

Genes significantly changed in expression (Q<0.05) upon KDM3A stable knockdown in RD cells

Gene	Common_name	Control (Scrambled)	Treatment (shKDM3A)	Fold-change	P-value	Q-value
		mean	mean			
ENSG00000237580	GCSHP3	5.45	0.21	-25.95	0.019397409	0.028330362
ENSG00000273338	RP11-386I14.4	17.62	1.91	-9.23	0.019120419	0.027974585
ENSG00000128564	VGF	13.97	2.14	-6.53	1.88E-05	0.000454842
ENSG00000139219	COL2A1	40.53	8.75	-4.63	3.71E-05	0.000585791
ENSG00000187772	LIN28B	11.9	2.69	-4.42	1.35E-05	0.000391428
ENSG00000101210	EEF1A2	16.89	3.96	-4.27	3.23E-05	0.000557292
ENSG00000154146	NRGN	10.31	2.63	-3.92	0.000802048	0.002877379
ENSG00000125931	CITED1	16.59	4.8	-3.46	4.48E-06	0.000285384
ENSG00000214578	HMG2P15	7.98	2.34	-3.41	0.023282095	0.032937564
ENSG00000162840	MT2P1	129.78	38.62	-3.36	0.000706679	0.00270141
ENSG00000090889	KIF4A	22.7	6.9	-3.29	1.07E-05	0.000361964
ENSG00000141753	IGFBP4	12.61	3.87	-3.26	3.05E-06	0.000266942
ENSG00000185236	RAB11B	129.5	40.16	-3.22	2.94E-05	0.00053756
ENSG00000258445	RP11-307P22.1	29.5	9.24	-3.19	0.000419917	0.001998749
ENSG00000169398	PTK2	158.95	49.92	-3.18	1.95E-05	0.000460365
ENSG00000198924	DCLRE1A	7.35	2.31	-3.18	0.000550015	0.002300491
ENSG00000131409	LRRC4B	10.6	3.41	-3.11	0.000192304	0.001291084
ENSG00000250927	MESTP3	48.91	15.81	-3.09	4.35E-05	0.000630393
ENSG00000120539	MASTL	23.03	7.48	-3.08	7.69E-07	0.000214752
ENSG00000100285	NEFH	16.44	5.38	-3.06	4.19E-06	0.000284402
ENSG00000164172	MOCS2	56.26	18.92	-2.97	8.00E-06	0.000345738
ENSG00000111196	MAGOHB	57.9	19.64	-2.95	2.45E-05	0.00050325
ENSG00000164109	MAD2L1	110.62	37.45	-2.95	2.30E-05	0.000489245
ENSG00000106484	MEST	975.65	333.04	-2.93	1.30E-06	0.000228911
ENSG00000220884	MESTP1	246.94	85.77	-2.88	1.95E-06	0.000228911

ENSG00000215004	MESTP4	29.12	10.27	-2.84	4.10E-05	0.000611789
ENSG00000214018	RRM2P3	44.93	15.93	-2.82	4.25E-06	0.000284402
ENSG00000139200	PIANP	15.07	5.37	-2.81	0.0001368	0.001101612
ENSG00000171848	RRM2	225.88	80.44	-2.81	7.48E-06	0.000336873
ENSG00000262904	TMPOP2	8.87	3.18	-2.79	0.000119406	0.001045798
ENSG00000101198	NKAIN4	27.67	10	-2.77	8.73E-06	0.000345955
ENSG00000115548	KDM3A	33.53	12.17	-2.76	0.000110489	0.001004506
ENSG00000267119	RPL10P15	10.04	3.64	-2.76	0.01519946	0.023156569
ENSG00000151233	GXYLT1	30.4	11.04	-2.75	0.000125441	0.001066071
ENSG00000270953	RP11-2E11.9	11.22	4.1	-2.74	0.000229044	0.001398391
ENSG00000081087	OSTM1	52.48	19.34	-2.71	0.000159837	0.00117312
ENSG00000259558	MESTP2	20.75	7.84	-2.65	0.000946179	0.003205981
ENSG00000135776	ABCB10	9.39	3.56	-2.64	0.000167525	0.001211306
ENSG00000024526	DEPDC1	48.88	18.56	-2.63	0.000156301	0.001168105
ENSG00000187867	PALM3	26.85	10.2	-2.63	2.66E-05	0.000519138
ENSG00000167220	HDHD2	46.73	17.98	-2.6	0.000122672	0.001061712
ENSG00000095370	SH2D3C	13.09	5.06	-2.59	0.000332834	0.001730063
ENSG00000163808	KIF15	14.33	5.54	-2.59	0.000470922	0.002120957
ENSG00000270975	MAGOH3P	12.99	5.02	-2.59	0.000692228	0.0026723
ENSG00000075218	GTSE1	38.16	14.79	-2.58	1.68E-06	0.000228911
ENSG00000112984	KIF20A	61.35	23.77	-2.58	3.83E-05	0.000588328
ENSG00000107560	RAB11FIP2	9.27	3.67	-2.53	0.000264718	0.001526361
ENSG00000186193	SAPCD2	38.94	15.58	-2.5	5.78E-06	0.000311945
ENSG00000006016	CRLF1	24.17	9.73	-2.48	0.000139907	0.001108671
ENSG00000105486	LIG1	84.8	34.16	-2.48	3.49E-05	0.000574658
ENSG00000100162	CENPM	33.83	13.69	-2.47	2.99E-05	0.000540499
ENSG00000163359	COL6A3	38.64	15.73	-2.46	7.14E-07	0.000209402
ENSG00000188662	HILS1	12.57	5.1	-2.46	0.000820012	0.00291722

ENSG00000189057	FAM111B	12.34	5.01	-2.46	0.000272112	0.001544123
ENSG00000141542	RAB40B	11.65	4.76	-2.45	0.002389277	0.005867136
ENSG00000107859	PITX3	22.33	9.15	-2.44	0.00047917	0.002144924
ENSG00000168505	GBX2	9.57	3.93	-2.44	2.18E-05	0.00048011
ENSG00000253092	SNORA81	9.03	3.72	-2.43	0.005495733	0.010713755
ENSG00000127022	CANX	465	192.36	-2.42	2.91E-05	0.000534439
ENSG00000183856	IQGAP3	24.73	10.21	-2.42	0.00014741	0.001132123
ENSG00000113368	LMNB1	142.51	59.19	-2.41	1.34E-05	0.000389549
ENSG00000118729	CASQ2	10.47	4.37	-2.4	0.000730717	0.002762683
ENSG00000106333	PCOLCE	65.69	27.43	-2.39	0.000116485	0.001033383
ENSG00000154133	ROBO4	9.09	3.82	-2.38	0.015118124	0.023044627
ENSG00000134954	ETS1	74.78	31.91	-2.34	2.46E-06	0.000251614
ENSG00000165244	ZNF367	10.05	4.29	-2.34	1.19E-05	0.000378774
ENSG00000176890	TYMS	232.44	99.91	-2.33	2.26E-06	0.000248614
ENSG00000177733	HNRNPA0	47.45	20.39	-2.33	1.77E-06	0.000228911
ENSG00000178999	AURKB	147.19	63.51	-2.32	7.88E-05	0.000848252
ENSG00000123485	HJURP	154.66	66.93	-2.31	0.000103455	0.000966021
ENSG00000152253	SPC25	53.55	23.33	-2.3	0.000256861	0.001495764
ENSG00000147813	NAPRT	14.73	6.44	-2.29	0.003879608	0.008355869
ENSG00000198901	PRC1	187.15	82.19	-2.28	2.95E-07	0.00018778
ENSG00000129195	FAM64A	68.07	29.98	-2.27	3.44E-05	0.000571513
ENSG00000131668	BARX1	14.81	6.52	-2.27	0.000127057	0.001072168
ENSG00000189060	H1FO	272.4	119.74	-2.27	4.19E-06	0.000284402
ENSG00000224834	BTF3P9	10.68	4.71	-2.27	0.015828061	0.023903103
ENSG00000138376	BARD1	38.66	17.11	-2.26	0.032261603	0.043360541
ENSG00000269352	PTOV1-AS2	10.9	4.82	-2.26	0.002168036	0.005469138
ENSG00000090006	LTBP4	28.19	12.54	-2.25	0.000867382	0.00302218
ENSG00000135114	OASL	20.5	9.11	-2.25	0.000123259	0.001061712

ENSG00000142303	ADAMTS10	9.89	4.4	-2.25	0.005338849	0.010481088
ENSG00000143228	NUF2	45.29	20.11	-2.25	0.000270806	0.00154106
ENSG00000131747	TOP2A	158.84	70.84	-2.24	2.63E-05	0.000519138
ENSG00000148229	POLE3	123.23	55.07	-2.24	6.08E-07	0.00018778
ENSG00000169139	UBE2V2	103.26	46.24	-2.23	0.000101951	0.000961157
ENSG00000114854	TNNC1	43.07	19.38	-2.22	1.25E-05	0.000382441
ENSG00000125538	IL1B	58.95	26.59	-2.22	2.29E-06	0.000248614
ENSG00000167513	CDT1	25	11.28	-2.22	2.53E-05	0.000511182
ENSG00000065328	MCM10	28.99	13.11	-2.21	0.000533904	0.002263784
ENSG00000164104	HMGB2	339.23	153.83	-2.21	2.58E-06	0.000251614
ENSG00000167202	TBC1D2B	21.31	9.65	-2.21	0.001062147	0.003439222
ENSG00000167771	RCOR2	9.66	4.37	-2.21	1.74E-05	0.000439669
ENSG00000122490	PQLC1	19.94	9.05	-2.2	0.000216716	0.001365008
ENSG00000168078	PBK	85.8	38.95	-2.2	0.000324542	0.001710847
ENSG00000111665	CDCA3	58.44	26.72	-2.19	0.000314947	0.001682013
ENSG00000008282	SYPL1	106.65	48.9	-2.18	2.09E-05	0.00046931
ENSG00000130332	LSM7	346.99	159.26	-2.18	9.57E-05	0.000930866
ENSG00000166326	TRIM44	44.38	20.33	-2.18	0.000138267	0.001104399
ENSG00000113300	CNOT6	23.89	11	-2.17	0.000521464	0.002230391
ENSG00000126787	DLGAP5	56.58	26.19	-2.16	6.42E-05	0.000757444
ENSG00000145860	RNF145	77.49	35.83	-2.16	1.61E-05	0.000422179
ENSG00000035499	DEPDC1B	25.37	11.78	-2.15	0.000220706	0.001366652
ENSG00000115163	CENPA	39.71	18.49	-2.15	3.79E-05	0.000587189
ENSG00000121152	NCAPH	59.27	27.55	-2.15	0.000102129	0.00096129
ENSG00000135362	PRR5L	25.52	12	-2.13	0.003174182	0.007220094
ENSG00000159055	MIS18A	35.36	16.59	-2.13	0.000327395	0.001717572
ENSG00000188266	HYKK	13.1	6.15	-2.13	4.37E-05	0.000630547
ENSG00000244563	AC006011.4	51.36	24.09	-2.13	0.004118163	0.008711726

ENSG00000271482	CTB-152G17.4	21.75	10.25	-2.12	0.025294656	0.035316157
ENSG00000172716	SLFN11	23.77	11.28	-2.11	0.001266509	0.003848088
ENSG00000231503	PTMAP4	20.59	9.74	-2.11	0.023352203	0.033012854
ENSG00000051341	POLQ	16.89	8.06	-2.1	0.000116106	0.001031586
ENSG00000109805	NCAPG	60.18	28.63	-2.1	0.000227136	0.001393226
ENSG00000145386	CCNA2	58.77	27.98	-2.1	1.13E-06	0.000228911
ENSG00000169607	CKAP2L	59.85	28.53	-2.1	0.000132213	0.001085967
ENSG00000196584	XRCC2	16.49	7.84	-2.1	3.42E-05	0.000570354
ENSG00000214182	PTMAP5	764.47	364.43	-2.1	0.003064858	0.007047971
ENSG00000241993	RPL38P1	13.38	6.38	-2.1	0.004203666	0.00884157
ENSG00000119917	IFIT3	113.99	54.55	-2.09	1.53E-07	0.000149832
ENSG00000158321	AUTS2	20.59	9.83	-2.09	3.10E-05	0.00054326
ENSG00000184897	H1FX	99.37	47.52	-2.09	8.73E-05	0.000890316
ENSG00000224908	TIMM8BP2	25.54	12.26	-2.08	0.017829018	0.026401354
ENSG00000233125	ACTBP12	10.03	4.83	-2.08	0.006436474	0.012001107
ENSG00000117650	NEK2	31.41	15.2	-2.07	7.46E-05	0.000825292
ENSG00000136122	BORA	12.87	6.22	-2.07	0.000664783	0.002604067
ENSG00000186185	KIF18B	46.09	22.22	-2.07	0.000109033	0.000995907
ENSG00000237649	KIFC1	78.07	37.67	-2.07	2.62E-06	0.000251614
ENSG00000105011	ASF1B	53	25.73	-2.06	3.40E-05	0.000570354
ENSG00000122483	CCDC18	19.99	9.69	-2.06	0.000363714	0.001818259
ENSG00000135476	ESPL1	25.2	12.26	-2.06	0.001153214	0.003620152
ENSG00000159164	SV2A	31.87	15.49	-2.06	5.81E-06	0.000311945
ENSG00000160949	TONSL	19.04	9.24	-2.06	0.000210708	0.001344498
ENSG00000169679	BUB1	95.19	46.18	-2.06	7.14E-06	0.000336488
ENSG00000134049	IER3IP1	22.94	11.17	-2.05	3.99E-05	0.000602991
ENSG00000163399	ATP1A1	181.48	88.45	-2.05	6.53E-09	2.31E-05
ENSG00000165490	DDIAS	22.35	10.92	-2.05	0.000128951	0.00108067

ENSG00000170085	SIMC1	10.54	5.14	-2.05	0.001728812	0.004673928
ENSG00000099849	RASSF7	13.74	6.72	-2.04	0.00012499	0.001065318
ENSG00000101057	MYBL2	53.91	26.42	-2.04	9.52E-05	0.000929325
ENSG00000148773	MKI67	49.42	24.23	-2.04	0.00194693	0.00505477
ENSG00000158164	TMSB15A	125.06	61.4	-2.04	2.06E-06	0.000236581
ENSG00000101447	FAM83D	41.22	20.28	-2.03	1.80E-05	0.00044469
ENSG00000106462	EZH2	77.35	38.05	-2.03	5.76E-06	0.000311945
ENSG00000113328	CCNG1	45.72	22.51	-2.03	0.000806825	0.002886551
ENSG00000144451	SPAG16	11.16	5.51	-2.03	9.32E-05	0.000927438
ENSG00000198719	DLL1	28.3	13.92	-2.03	3.40E-05	0.000570354
ENSG00000243014	PTMAP8	32	15.73	-2.03	0.004313661	0.00902759
ENSG00000109685	WHSC1	57.42	28.43	-2.02	1.67E-05	0.000427983
ENSG00000111906	HDDC2	108.54	53.83	-2.02	3.82E-06	0.000283875
ENSG00000085999	RAD54L	22.26	11.09	-2.01	0.00094812	0.003208178
ENSG00000121716	PILRB	17.72	8.81	-2.01	0.003336537	0.007477973
ENSG00000165480	SKA3	32.27	16.09	-2.01	3.05E-05	0.000542982
ENSG00000175305	CCNE2	17.44	8.69	-2.01	7.40E-05	0.000820289
ENSG00000186871	ERCC6L	11.16	5.54	-2.01	7.44E-06	0.000336873
ENSG00000066056	TIE1	18.49	9.26	-2	0.001493437	0.004257356
ENSG00000077348	EXOSC5	61.13	30.55	-2	0.00050103	0.002181919
ENSG00000162063	CCNF	17.12	8.55	-2	4.77E-05	0.00065684
ENSG00000164305	CASP3	86.16	42.99	-2	9.89E-06	0.000351483
ENSG00000235636	NUS1P1	20.21	10.08	-2	0.000302215	0.001643832
ENSG00000013810	TACC3	89.28	44.84	-1.99	0.000408162	0.001961855
ENSG00000087586	AURKA	148.43	74.77	-1.99	5.22E-07	0.00018778
ENSG00000110090	CPT1A	16.22	8.17	-1.99	1.74E-06	0.000228911
ENSG00000136943	CTSV	22.85	11.46	-1.99	3.63E-05	0.000579064
ENSG00000101040	ZMYND8	58.49	29.58	-1.98	0.000148551	0.00113425

ENSG00000131470	PSMC3IP	44.79	22.63	-1.98	5.63E-06	0.000311945
ENSG00000149948	HMGA2	167.29	84.69	-1.98	1.22E-05	0.000382441
ENSG00000166582	CENPV	93.48	47.1	-1.98	9.68E-05	0.00093253
ENSG00000169684	CHRNA5	15.99	8.06	-1.98	0.002731411	0.006458465
ENSG00000185885	IFITM1	62.6	31.66	-1.98	7.73E-05	0.000844517
ENSG00000213390	ARHGAP19	21.06	10.61	-1.98	7.95E-05	0.000850026
ENSG00000119922	IFIT2	75.77	38.49	-1.97	6.52E-06	0.000330214
ENSG00000135903	PAX3	16.08	8.16	-1.97	0.003157812	0.007194021
ENSG00000213033	AURKAPS1	12.57	6.38	-1.97	0.002941532	0.006817842
ENSG00000071539	TRIP13	48.11	24.49	-1.96	1.56E-05	0.000416582
ENSG00000080986	NDC80	36.8	18.74	-1.96	0.000714993	0.002722033
ENSG00000109084	TMEM97	45.25	23.13	-1.96	0.00033309	0.001730063
ENSG00000137656	BUD13	21.18	10.81	-1.96	5.97E-07	0.00018778
ENSG00000167325	RRM1	143.79	73.29	-1.96	0.000143731	0.001125767
ENSG00000170312	CDK1	76.97	39.21	-1.96	3.00E-05	0.000540499
ENSG00000171320	ESCO2	25.86	13.22	-1.96	0.001207268	0.003731902
ENSG00000111206	FOXM1	124.61	64.05	-1.95	2.98E-05	0.000540499
ENSG00000197744	PTMAP2	716.94	368.11	-1.95	0.000205345	0.001326146
ENSG00000127564	PKMYT1	34.61	17.82	-1.94	0.002159723	0.005456534
ENSG00000130299	GTPBP3	38.12	19.61	-1.94	0.000316455	0.001686994
ENSG00000137804	NUSAP1	82.39	42.57	-1.94	0.000550747	0.002301909
ENSG00000196911	KPNA5	11.93	6.14	-1.94	0.006104787	0.011533012
ENSG00000197724	PHF2	19.5	10.03	-1.94	7.85E-05	0.000848252
ENSG00000225972	MTND1P23	1056.17	545.33	-1.94	0.002284161	0.005685195
ENSG00000089685	BIRC5	130.52	67.7	-1.93	2.00E-05	0.000461014
ENSG00000105409	ATP1A3	22.74	11.76	-1.93	6.78E-05	0.000783618
ENSG00000112941	PAPD7	16.56	8.57	-1.93	0.00020112	0.001310406
ENSG00000129534	MIS18BP1	22.21	11.49	-1.93	0.001067522	0.003450908

ENSG00000134057	CCNB1	257.8	133.66	-1.93	1.27E-05	0.000382441
ENSG00000134222	PSRC1	79.6	41.15	-1.93	1.03E-05	0.000352366
ENSG00000165672	PRDX3	271.73	141.07	-1.93	1.45E-06	0.000228911
ENSG00000196739	COL27A1	17.95	9.32	-1.93	0.000137334	0.001101675
ENSG00000103351	CLUAP1	20.22	10.51	-1.92	0.000216665	0.001365008
ENSG00000134690	CDCA8	95.55	49.89	-1.92	1.78E-05	0.00044469
ENSG00000231300	EZH2P1	44.6	23.21	-1.92	0.00338898	0.007562017
ENSG00000233966	UBE2SP1	65.75	34.31	-1.92	0.001158528	0.003631003
ENSG00000120802	TMPO	126.25	66.08	-1.91	7.97E-05	0.000850026
ENSG00000131153	GINS2	35.63	18.7	-1.91	0.000358545	0.00180628
ENSG00000187514	PTMA	1115.25	586.4	-1.9	3.57E-06	0.000283268
ENSG00000232794	HNRNPDP1	36.92	19.42	-1.9	5.20E-05	0.000685605
ENSG00000267736	HMGB2P1	12.47	6.55	-1.9	0.005974763	0.011360574
ENSG00000115738	ID2	44.42	23.52	-1.89	0.000592315	0.00240203
ENSG00000184661	CDCA2	34.22	18.15	-1.89	4.10E-05	0.000611789
ENSG00000117906	RCN2	120.18	63.77	-1.88	8.36E-05	0.000870649
ENSG00000138646	HERC5	41.15	21.84	-1.88	2.78E-05	0.000525384
ENSG00000145016	KIAA0226	21.34	11.37	-1.88	0.003932113	0.008430681
ENSG00000158402	CDC25C	23.81	12.68	-1.88	5.85E-06	0.000311945
ENSG00000125148	MT2A	145.21	77.69	-1.87	0.001652353	0.004519309
ENSG00000139437	TCHP	13.89	7.42	-1.87	0.004627548	0.009458327
ENSG00000173011	TADA2B	15.72	8.41	-1.87	0.000419991	0.001998749
ENSG00000224837	GCSHP5	61.94	33.16	-1.87	0.00058459	0.00238625
ENSG00000085872	CHERP	76.37	40.99	-1.86	3.10E-05	0.00054326
ENSG00000104081	BMF	16.14	8.69	-1.86	0.001087399	0.003493976
ENSG00000108106	UBE2S	198.39	106.49	-1.86	0.000110126	0.001003985
ENSG00000184990	SIVA1	133.13	71.61	-1.86	8.75E-05	0.000890316
ENSG00000198826	ARHGAP11A	37.19	20.04	-1.86	6.15E-05	0.000747068



ENSG00000117407	ARTN	14.48	7.81	-1.85	0.001596591	0.004444801
ENSG00000123136	DDX39A	234.28	126.34	-1.85	1.93E-06	0.000228911
ENSG00000132773	TOE1	29.31	15.85	-1.85	0.00090182	0.003103447
ENSG00000143401	ANP32E	202.76	109.67	-1.85	0.000184996	0.001267502
ENSG00000153721	CNKSR3	39.99	21.58	-1.85	1.31E-05	0.000388004
ENSG00000171241	SHCBP1	64.91	35.14	-1.85	0.00143837	0.004154977
ENSG00000198888	MT-ND1	11636.93	6282.09	-1.85	0.000476047	0.002138487
ENSG00000230356	NCAPD2P1	13.15	7.1	-1.85	9.83E-06	0.000351311
ENSG00000234664	HMGN2P5	914.7	495.63	-1.85	5.39E-05	0.000702266
ENSG00000092470	WDR76	13.46	7.32	-1.84	2.32E-05	0.000491902
ENSG00000121211	MND1	13.61	7.39	-1.84	0.001368959	0.004040048
ENSG00000133193	FAM104A	71.79	39.05	-1.84	3.53E-05	0.000577588
ENSG00000143632	ACTA1	14.13	7.66	-1.84	0.023040464	0.032650865
ENSG00000175899	A2M	23.38	12.69	-1.84	0.000596675	0.002409713
ENSG00000197299	BLM	13.73	7.46	-1.84	0.001008485	0.003339217
ENSG00000245910	SNHG6	230.85	125.45	-1.84	0.000336632	0.001739648
ENSG00000003137	CYP26B1	22.87	12.51	-1.83	0.000798463	0.002876036
ENSG00000068489	PRR11	103.35	56.34	-1.83	0.000302599	0.001643832
ENSG00000114115	RBP1	159.31	87.11	-1.83	0.000246124	0.00145763
ENSG00000134602	STK26	57.09	31.16	-1.83	5.81E-05	0.00072139
ENSG00000151725	CENPU	49.42	26.96	-1.83	0.000217037	0.001365561
ENSG00000153989	NUS1	15.49	8.45	-1.83	4.22E-05	0.000619276
ENSG00000158163	DZIP1L	11.21	6.12	-1.83	0.006674263	0.012333695
ENSG00000161692	DBF4B	43.58	23.77	-1.83	7.58E-05	0.000835632
ENSG00000176788	BASP1	26.32	14.35	-1.83	0.00029655	0.001625189
ENSG00000213148	AC073465.1	25.32	13.86	-1.83	0.001983735	0.005129022
ENSG00000231468	PRDX3P2	15.72	8.59	-1.83	0.007625819	0.013554956
ENSG00000258741	RP11-386M24.4	149.74	81.72	-1.83	0.000270565	0.00154106

ENSG00000010292	NCAPD2	114.96	63.32	-1.82	4.43E-05	0.00063368
ENSG00000092853	CLSPN	41.49	22.84	-1.82	0.000163646	0.001191168
ENSG00000144677	CTDSPL	16.46	9.03	-1.82	8.04E-05	0.000850026
ENSG00000175063	UBE2C	292.67	160.64	-1.82	3.22E-05	0.000557292
ENSG00000184216	IRAK1	154.18	84.76	-1.82	9.41E-05	0.00092777
ENSG00000231007	CDC20P1	55.46	30.54	-1.82	2.85E-05	0.000529753
ENSG00000007062	PROM1	14.59	8.05	-1.81	4.77E-05	0.00065684
ENSG00000077458	FAM76B	16.81	9.3	-1.81	0.001499528	0.004262351
ENSG00000157870	FAM213B	26.95	14.85	-1.81	4.15E-06	0.000284402
ENSG00000185745	IFIT1	137	75.79	-1.81	4.32E-06	0.000284402
ENSG00000250254	PTTG2	16.39	9.04	-1.81	0.004947622	0.009917421
ENSG00000062822	POLD1	53.76	29.81	-1.8	0.001566537	0.004388998
ENSG00000076382	SPAG5	94.7	52.5	-1.8	0.000298859	0.00163176
ENSG00000105939	ZC3HAV1	75.98	42.29	-1.8	3.45E-06	0.000280613
ENSG00000109063	MYH3	105.85	58.76	-1.8	0.000565674	0.002331148
ENSG00000112559	MDFI	69.74	38.78	-1.8	6.10E-05	0.000747068
ENSG00000140451	PIF1	19.88	11.06	-1.8	0.020090038	0.029199745
ENSG00000163956	LRPAP1	142.85	79.43	-1.8	1.66E-05	0.000427983
ENSG00000166508	MCM7	327.24	181.81	-1.8	3.19E-06	0.000274065
ENSG00000166851	PLK1	93.42	51.83	-1.8	3.78E-05	0.000587189
ENSG00000204681	GABBR1	18.93	10.53	-1.8	0.000948827	0.003208351
ENSG00000217897	HSPE1P8	36.52	20.24	-1.8	0.014452839	0.022250315
ENSG00000229598	PRDX3P1	21.24	11.8	-1.8	0.000237971	0.001423942
ENSG00000079616	KIF22	97.6	54.4	-1.79	8.14E-05	0.000856588
ENSG00000115687	PASK	14.45	8.06	-1.79	0.029203185	0.039880642
ENSG00000119630	PGF	218.28	121.72	-1.79	1.54E-05	0.000415869
ENSG00000133026	MYH10	69.57	38.97	-1.79	7.29E-05	0.000817745
ENSG00000133055	MYBPH	112.86	62.95	-1.79	1.97E-05	0.000461014

ENSG00000138131	LOXL4	112.9	63.11	-1.79	6.05E-06	0.000319371
ENSG00000138668	HNRNPD	665	371.65	-1.79	4.98E-06	0.000301157
ENSG00000142945	KIF2C	66.74	37.35	-1.79	0.000108286	0.000992168
ENSG00000173272	MZT2A	350.71	196.12	-1.79	0.000787553	0.002852508
ENSG00000178295	GEN1	20.15	11.24	-1.79	0.000976084	0.003266289
ENSG00000198056	PRIM1	25.85	14.45	-1.79	0.002167495	0.005469138
ENSG00000259179	UBE2CP4	30.03	16.81	-1.79	0.003734187	0.008137224
ENSG00000112029	FBXO5	52.97	29.72	-1.78	7.79E-06	0.000343336
ENSG00000117399	CDC20	208.44	117.09	-1.78	0.000286818	0.001593935
ENSG00000132182	NUP210	15.7	8.8	-1.78	2.00E-05	0.000461014
ENSG00000180370	PAK2	41.1	23.15	-1.78	6.27E-05	0.00075051
ENSG00000009709	PAX7	25.19	14.27	-1.77	1.84E-05	0.000448379
ENSG00000069956	MAPK6	26.93	15.24	-1.77	0.001193393	0.003704636
ENSG00000159173	TNNI1	371.8	209.65	-1.77	2.51E-05	0.000508768
ENSG00000174371	EXO1	13.9	7.84	-1.77	0.023389107	0.033046031
ENSG00000179361	ARID3B	12.8	7.23	-1.77	0.000417623	0.001994253
ENSG00000187951	ARHGAP11B	12.51	7.07	-1.77	0.000851879	0.00298412
ENSG00000198830	HMG2	115.51	65.25	-1.77	0.000644724	0.002556979
ENSG00000086712	TXLNG	13.25	7.51	-1.76	3.05E-05	0.000542982
ENSG00000107957	SH3PXD2A	25.85	14.69	-1.76	5.33E-06	0.000311945
ENSG00000119681	LTBP2	63.85	36.25	-1.76	0.000586805	0.002386286
ENSG00000134480	CCNH	88.18	50.18	-1.76	0.001042949	0.00340337
ENSG00000156802	ATAD2	55.86	31.81	-1.76	2.21E-05	0.000481097
ENSG00000198554	WDHD1	25.69	14.6	-1.76	0.005641918	0.010936927
ENSG00000250317	SMIM20	18.49	10.53	-1.76	0.001413853	0.004114557
ENSG00000257779	RP11-848D3.4	19.7	11.21	-1.76	0.001605904	0.004452491
ENSG00000066279	ASPM	34.53	19.73	-1.75	0.000202785	0.001316869
ENSG00000085840	ORC1	38.94	22.29	-1.75	2.06E-05	0.000468431

ENSG00000104147	OIP5	19.91	11.4	-1.75	0.001180995	0.003677831
ENSG00000104879	CKM	30.43	17.36	-1.75	0.000680961	0.002642723
ENSG00000119403	PHF19	233.82	133.78	-1.75	0.000405919	0.001954277
ENSG00000123737	EXOSC9	38.01	21.72	-1.75	0.000327861	0.001717572
ENSG00000127191	TRAF2	28.18	16.12	-1.75	0.005796142	0.011140499
ENSG00000135451	TROAP	56.31	32.16	-1.75	0.000178343	0.00124068
ENSG00000138160	KIF11	30.72	17.56	-1.75	0.00018524	0.001267502
ENSG00000149503	INCENP	46.18	26.38	-1.75	5.34E-05	0.000700058
ENSG00000160072	ATAD3B	35.78	20.42	-1.75	0.001208187	0.003732509
ENSG00000163909	HEYL	35.97	20.55	-1.75	1.58E-06	0.000228911
ENSG00000165502	RPL36AL	280.81	160.88	-1.75	3.27E-05	0.000558765
ENSG00000247556	OIP5-AS1	29.48	16.87	-1.75	4.24E-05	0.000619358
ENSG00000075303	SLC25A40	19.33	11.1	-1.74	0.000270097	0.001540712
ENSG00000158290	CUL4B	34.62	19.9	-1.74	0.000125994	0.001069216
ENSG00000160957	RECQL4	87.97	50.51	-1.74	0.00160124	0.004450986
ENSG00000168077	SCARA3	20.11	11.55	-1.74	8.62E-05	0.00088852
ENSG00000170791	CHCHD7	58.91	33.8	-1.74	0.000568102	0.002337791
ENSG00000250347	AC005740.4	20.26	11.63	-1.74	0.002318785	0.005744553
ENSG00000067057	PFKP	58.07	33.6	-1.73	0.000117247	0.001033451
ENSG00000093009	CDC45	22.62	13.05	-1.73	0.0013816	0.00405738
ENSG00000117724	CENPF	106.2	61.41	-1.73	0.000538819	0.002273119
ENSG00000137965	IFI44	213.92	123.53	-1.73	0.000130129	0.001082377
ENSG00000157985	AGAP1	27.89	16.15	-1.73	0.001236625	0.003788698
ENSG00000169764	UGP2	95.99	55.63	-1.73	0.000332978	0.001730063
ENSG00000184058	TBX1	23.85	13.78	-1.73	0.001341128	0.003988019
ENSG00000253954	HMG1P38	139.62	80.74	-1.73	0.000699631	0.002693787
ENSG00000100410	PHF5A	158.82	92.08	-1.72	0.000206418	0.001327925
ENSG00000129493	HEATR5A	18.4	10.7	-1.72	0.005267448	0.010400107

ENSG00000130203	APOE	74.25	43.1	-1.72	0.000326564	0.001715925
ENSG00000130844	ZNF331	13.09	7.61	-1.72	0.001491445	0.004253809
ENSG00000133321	RARRES3	18.61	10.82	-1.72	0.004568691	0.009387107
ENSG00000154839	SKA1	17.85	10.36	-1.72	9.20E-06	0.000347826
ENSG00000168795	ZBTB5	12.56	7.31	-1.72	2.49E-05	0.000507558
ENSG00000215472	RPL17-C18orf32	30.7	17.81	-1.72	0.002794661	0.006573564
ENSG00000224126	UBE2SP2	140.25	81.68	-1.72	6.89E-05	0.000783618
ENSG0000036549	ZZZ3	50.82	29.74	-1.71	0.000485402	0.002152596
ENSG00000104442	ARMC1	44.27	25.92	-1.71	0.000199721	0.001304193
ENSG00000122966	CIT	27.56	16.09	-1.71	0.002226869	0.005580366
ENSG00000144231	POLR2D	81.78	47.88	-1.71	0.000123778	0.001062083
ENSG00000180178	FAR2P1	13.9	8.12	-1.71	0.012600884	0.019954137
ENSG00000198677	TTC37	46.93	27.52	-1.71	0.000420721	0.001998749
ENSG00000237161	RP11-32B5.1	13.43	7.85	-1.71	0.000289752	0.001602928
ENSG0000040275	SPDL1	53.36	31.45	-1.7	0.000147173	0.001132123
ENSG00000100416	TRMU	55.36	32.51	-1.7	7.70E-05	0.000842636
ENSG00000106976	DNM1	32.19	18.92	-1.7	0.000476648	0.002138487
ENSG00000112972	HMGCS1	80.76	47.42	-1.7	0.001265243	0.003848088
ENSG00000113810	SMC4	176.99	103.87	-1.7	0.00188994	0.004955413
ENSG00000116962	NID1	73.59	43.33	-1.7	4.73E-05	0.00065684
ENSG00000124207	CSE1L	108.77	64.08	-1.7	8.79E-06	0.000346033
ENSG00000126878	AIF1L	13.36	7.87	-1.7	0.000570361	0.00234544
ENSG00000129757	CDKN1C	19.96	11.74	-1.7	0.001368885	0.004040048
ENSG00000138829	FBN2	17.14	10.06	-1.7	0.00016801	0.001211823
ENSG00000140525	FANCI	40.32	23.72	-1.7	2.93E-05	0.00053689
ENSG00000163507	KIAA1524	60.18	35.47	-1.7	0.001735374	0.00468088
ENSG00000198805	PNP	40.71	23.88	-1.7	0.000137321	0.001101675
ENSG00000226950	DANCR	99.69	58.78	-1.7	1.29E-06	0.000228911

ENSG00000090447	TFAP4	37.25	21.99	-1.69	0.004429119	0.0091905
ENSG00000106538	RARRES2	49.31	29.21	-1.69	0.002323662	0.005753932
ENSG00000109062	SLC9A3R1	57	33.69	-1.69	0.000504148	0.002184515
ENSG00000130595	TNNT3	23.51	13.93	-1.69	0.012849751	0.020264527
ENSG00000132646	PCNA	158.81	94.12	-1.69	4.24E-06	0.000284402
ENSG00000136490	LIMD2	150.28	88.75	-1.69	0.000857034	0.002995442
ENSG00000165304	MELK	43.07	25.53	-1.69	0.000585575	0.00238625
ENSG00000167874	TMEM88	73.84	43.76	-1.69	0.000342757	0.001760004
ENSG00000179750	APOBEC3B	30.6	18.16	-1.69	9.42E-05	0.00092777
ENSG00000187608	ISG15	276.42	163.69	-1.69	3.62E-05	0.000579064
ENSG00000204536	CCHCR1	21.36	12.64	-1.69	0.004420925	0.009181113
ENSG00000102317	RBM3	148.9	88.53	-1.68	1.31E-05	0.000388004
ENSG00000104738	MCM4	333.43	198.72	-1.68	5.01E-05	0.000673902
ENSG00000111752	PHC1	15.83	9.44	-1.68	0.012725061	0.020118565
ENSG00000136715	SAP130	38.93	23.18	-1.68	5.53E-05	0.000704801
ENSG00000148400	NOTCH1	30.41	18.11	-1.68	0.000192163	0.001291084
ENSG00000149532	CPSF7	99.91	59.5	-1.68	0.004322937	0.009030888
ENSG00000092036	HAUS4	18.01	10.79	-1.67	0.004839422	0.009762082
ENSG00000100908	EMC9	30.57	18.28	-1.67	3.08E-05	0.000542982
ENSG00000108406	DHX40	44.64	26.69	-1.67	0.000614804	0.002460895
ENSG00000114956	DGUOK	150.33	90.08	-1.67	0.001487982	0.004252008
ENSG00000127586	CHTF18	20.98	12.54	-1.67	0.002483872	0.006032455
ENSG00000134824	FADS2	61.88	36.98	-1.67	0.000266495	0.001529084
ENSG00000139880	CDH24	14.68	8.8	-1.67	2.82E-05	0.000527667
ENSG00000141068	KSR1	33.5	20.08	-1.67	0.016329623	0.024480136
ENSG00000158869	FCER1G	15.77	9.45	-1.67	0.002402894	0.005883328
ENSG00000167670	CHAF1A	51.18	30.58	-1.67	0.002326228	0.005755697
ENSG00000168496	FEN1	83.22	49.91	-1.67	0.000199462	0.001303954

ENSG00000258648	UBE2CP1	36.05	21.56	-1.67	0.00622439	0.011706166
ENSG00000273173	SNURF	125.97	75.31	-1.67	0.014457176	0.02225115
ENSG00000079459	FDFT1	336.91	203.3	-1.66	1.26E-06	0.000228911
ENSG00000088325	TPX2	134.29	80.82	-1.66	5.72E-06	0.000311945
ENSG00000103540	CCP110	15.89	9.59	-1.66	0.029012465	0.039675628
ENSG00000163131	CTSS	56.63	34.09	-1.66	5.94E-05	0.000731812
ENSG00000166181	API5	53.08	31.91	-1.66	0.000195152	0.001293075
ENSG00000169750	RAC3	87.45	52.58	-1.66	0.000152003	0.001152952
ENSG00000221829	FANCG	55.87	33.58	-1.66	0.004455248	0.009231653
ENSG00000235554	AC005822.1	23.55	14.19	-1.66	0.000177138	0.001238064
ENSG00000119333	WDR34	83.06	50.32	-1.65	0.000299875	0.001634265
ENSG00000119866	BCL11A	15.38	9.34	-1.65	0.009906094	0.016625454
ENSG00000122643	NT5C3A	47.87	29.02	-1.65	0.001021282	0.003372071
ENSG00000135424	ITGA7	68.63	41.7	-1.65	0.000805544	0.002883827
ENSG00000153885	KCTD15	20.82	12.64	-1.65	0.000360339	0.001809098
ENSG00000185838	GNB1L	16.93	10.25	-1.65	0.01079434	0.017695837
ENSG00000196591	HDAC2	360.39	218.84	-1.65	0.000112289	0.001011463
ENSG00000205581	HMGN1	259.91	157.78	-1.65	0.000141286	0.001118082
ENSG00000100034	PPM1F	57.53	35.05	-1.64	0.000166387	0.001205827
ENSG00000109083	IFT20	25.79	15.68	-1.64	0.003823638	0.008264583
ENSG00000121940	CLCC1	30.37	18.56	-1.64	0.000323581	0.001709439
ENSG00000138758	11-Sep	592.4	360.73	-1.64	0.000189973	0.001281934
ENSG00000146670	CDCA5	81.74	49.88	-1.64	9.48E-06	0.000347826
ENSG00000151640	DPYSL4	14.62	8.89	-1.64	0.001860723	0.00491499
ENSG00000167244	IGF2	5031.6	3069.89	-1.64	0.000389855	0.001903506
ENSG00000167900	TK1	149.89	91.49	-1.64	0.001112983	0.003541255
ENSG00000174547	MRPL11	97.09	59.05	-1.64	7.90E-05	0.000848252
ENSG00000185686	PRAME	360.74	219.33	-1.64	2.76E-05	0.000524747

ENSG00000187741	FANCA	35	21.37	-1.64	0.006228693	0.011706749
ENSG00000088882	CPXM1	33.56	20.57	-1.63	0.00067642	0.002630322
ENSG00000104375	STK3	25.22	15.43	-1.63	0.000160241	0.00117312
ENSG00000106689	LHX2	16.29	10.01	-1.63	0.001240582	0.003798837
ENSG00000124767	GLO1	275.41	168.5	-1.63	4.59E-05	0.000648863
ENSG00000154920	EME1	24.59	15.05	-1.63	0.000114908	0.001028731
ENSG00000162775	RBM15	15.89	9.77	-1.63	7.14E-05	0.000805513
ENSG00000164611	PTTG1	178.67	109.52	-1.63	9.97E-05	0.000950166
ENSG00000165501	LRR1	31.44	19.24	-1.63	0.000157426	0.001172993
ENSG00000168389	MFSD2A	13.98	8.6	-1.63	0.001656821	0.004520987
ENSG00000198336	MYL4	200.6	123.35	-1.63	0.000144077	0.001125767
ENSG00000204219	TCEA3	18.7	11.5	-1.63	0.00125912	0.003835573
ENSG00000232531	AC027612.1	17.18	10.55	-1.63	0.002594941	0.006213448
ENSG00000234819	RP11-336N8.4	50.02	30.66	-1.63	0.006479198	0.012061593
ENSG00000249014	HMG2P4	15.99	9.81	-1.63	0.021642042	0.031046964
ENSG00000118193	KIF14	20.39	12.55	-1.62	0.00040804	0.001961855
ENSG00000123473	STIL	38.87	23.99	-1.62	0.000427264	0.002009711
ENSG00000153179	RASSF3	23.33	14.41	-1.62	2.77E-05	0.000524747
ENSG00000171475	WIPF2	20.7	12.76	-1.62	0.000360717	0.001809448
ENSG00000214223	HNRNPA1P10	26.98	16.65	-1.62	0.011186214	0.018145494
ENSG00000138035	PNPT1	60.34	37.4	-1.61	0.023195416	0.032822856
ENSG00000140332	TLE3	31.42	19.49	-1.61	0.029048505	0.039715652
ENSG00000141556	TBCD	45.39	28.19	-1.61	0.00452829	0.009323698
ENSG00000146263	MMS22L	17.93	11.14	-1.61	0.005331483	0.010480742
ENSG00000206418	RAB12	29.36	18.23	-1.61	0.000507746	0.002195741
ENSG00000229806	RPS15P5	13.23	8.2	-1.61	0.008919021	0.015315121
ENSG00000010219	DYRK4	27.96	17.48	-1.6	0.0007831	0.002845061
ENSG00000104331	IMPAD1	61.4	38.44	-1.6	0.000461344	0.002098277



ENSG00000105767	CADM4	39.83	24.9	-1.6	5.53E-05	0.000704801
ENSG00000124532	MRS2	23.65	14.77	-1.6	0.000454001	0.002083146
ENSG00000125445	MRPS7	161.09	100.74	-1.6	0.000173523	0.001225953
ENSG00000138796	HADH	25.98	16.22	-1.6	4.85E-05	0.000659253
ENSG00000140320	BAHD1	16.39	10.26	-1.6	4.62E-05	0.000649637
ENSG00000140365	COMMD4	62.39	38.94	-1.6	0.000506759	0.002193088
ENSG00000156970	BUB1B	60.91	38.15	-1.6	0.002171147	0.005473604
ENSG00000163939	PBRM1	38.52	24.03	-1.6	0.00320498	0.007273221
ENSG00000166272	WBP1L	28.56	17.89	-1.6	1.48E-05	0.000414267
ENSG00000236801	RPL24P8	193.56	120.73	-1.6	0.000393135	0.001916327
ENSG00000006042	TMEM98	44.62	28.14	-1.59	0.000204161	0.001321415
ENSG00000070018	LRP6	18.45	11.59	-1.59	0.003880121	0.008355869
ENSG00000105341	ATP5SL	120.21	75.71	-1.59	1.50E-05	0.000414267
ENSG00000114770	ABCC5	52.44	33.06	-1.59	0.002124455	0.005392988
ENSG00000116133	DHCR24	76.44	48.1	-1.59	2.62E-06	0.000251614
ENSG00000124275	MTRR	27.72	17.46	-1.59	0.014579723	0.022398611
ENSG00000132463	GRSF1	121.38	76.55	-1.59	6.61E-05	0.000773331
ENSG00000138180	CEP55	59.06	37.1	-1.59	0.000990075	0.003291268
ENSG00000146918	NCAPG2	58.96	37.15	-1.59	0.00281327	0.006601446
ENSG00000152082	MZT2B	370.62	233.43	-1.59	0.00019432	0.001292674
ENSG00000162607	USP1	50.28	31.57	-1.59	0.000138423	0.001104399
ENSG00000164086	DUSP7	21.16	13.35	-1.59	0.001497777	0.004261505
ENSG00000173706	HEG1	48.94	30.82	-1.59	0.005424061	0.010602231
ENSG00000189159	HN1	706.44	445.47	-1.59	0.000205344	0.001326146
ENSG00000213005	PTTG3P	13.54	8.53	-1.59	0.002556771	0.006155401
ENSG00000255397	AC022182.2	30.17	18.99	-1.59	5.67E-05	0.000710425
ENSG00000105983	LMBR1	46.81	29.7	-1.58	3.56E-05	0.000579064
ENSG00000136108	CKAP2	27.66	17.53	-1.58	0.000796243	0.002871569

ENSG00000137310	TCF19	18.14	11.51	-1.58	0.000522509	0.002233196
ENSG00000137807	KIF23	47.96	30.32	-1.58	0.000345041	0.001767094
ENSG00000141577	CEP131	18.56	11.78	-1.58	0.001762182	0.004735764
ENSG00000144554	FANCD2	20.51	12.95	-1.58	0.005801572	0.011140499
ENSG00000149485	FADS1	75.11	47.42	-1.58	1.38E-05	0.000395688
ENSG00000166803	KIAA0101	195.33	124.01	-1.58	1.26E-05	0.000382441
ENSG00000169288	MRPL1	65.86	41.77	-1.58	0.008351837	0.014554287
ENSG00000172086	KRCC1	31.23	19.8	-1.58	1.50E-05	0.000414267
ENSG00000215252	GOLGA8B	31.88	20.23	-1.58	0.000780394	0.002841795
ENSG00000240801	AC132217.4	5915.69	3750.6	-1.58	0.003264411	0.007379533
ENSG00000011426	ANLN	129.37	82.2	-1.57	0.003979308	0.008516299
ENSG00000099864	PALM	42.83	27.21	-1.57	0.005197302	0.010296694
ENSG00000099901	RANBP1	246.08	156.7	-1.57	1.51E-05	0.000414267
ENSG00000100526	CDKN3	35.55	22.62	-1.57	0.00168495	0.004570095
ENSG00000112893	MAN2A1	46.92	29.87	-1.57	0.003638908	0.00797703
ENSG00000115457	IGFBP2	707.78	451.2	-1.57	2.58E-05	0.000514481
ENSG00000120437	ACAT2	141.18	90	-1.57	3.49E-06	0.000280699
ENSG00000137094	DNAJB5	15.56	9.93	-1.57	0.000402229	0.001940929
ENSG00000138778	CENPE	20.08	12.76	-1.57	0.038088597	0.049686544
ENSG00000139624	CERS5	81.63	51.84	-1.57	0.001261416	0.003840572
ENSG00000142731	PLK4	36.18	23.02	-1.57	0.002129321	0.005403003
ENSG00000148908	RGS10	69.65	44.49	-1.57	0.000350294	0.001783145
ENSG00000170891	CYTL1	23.27	14.78	-1.57	0.003582209	0.00789317
ENSG00000173153	ESRRA	18.76	11.93	-1.57	0.006088587	0.011509824
ENSG00000173226	IQCB1	30.36	19.37	-1.57	0.000247474	0.001462893
ENSG00000178188	SH2B1	39.54	25.16	-1.57	0.011068753	0.018004762
ENSG00000183955	SETD8	22.75	14.48	-1.57	0.000698103	0.002691439
ENSG00000188375	H3F3C	49.36	31.51	-1.57	0.003004077	0.006940861

ENSG00000204209	DAXX	104.32	66.44	-1.57	0.00035615	0.001801374
ENSG00000005022	SLC25A5	293.27	187.58	-1.56	3.07E-05	0.000542982
ENSG00000130312	MRPL34	116.29	74.62	-1.56	0.001218801	0.003753702
ENSG00000139842	CUL4A	70.08	45	-1.56	0.003344914	0.007492198
ENSG00000149929	HIRIP3	21.75	13.94	-1.56	0.001177883	0.003670089
ENSG00000150593	PDCD4	78.73	50.35	-1.56	0.006306082	0.011821888
ENSG00000158623	COPG2	40.43	25.88	-1.56	6.36E-05	0.000755239
ENSG00000163132	MSX1	19.91	12.75	-1.56	0.000928142	0.003169534
ENSG00000163535	SGOL2	52.4	33.55	-1.56	0.000172499	0.001224987
ENSG00000230823	CBX1P1	26.18	16.77	-1.56	0.005033577	0.010046594
ENSG00000236319	CTD-2033D24.2	47.53	30.42	-1.56	3.37E-05	0.000568725
ENSG00000249115	HAUS5	15.44	9.88	-1.56	0.008188494	0.014316436
ENSG00000250654	RP11-834C11.7	25.03	16.04	-1.56	0.037274333	0.048800333
ENSG00000258608	DNAJC19P9	28.96	18.54	-1.56	0.008847566	0.015205781
ENSG00000064199	SPA17	16.29	10.53	-1.55	0.008742417	0.015095857
ENSG00000104728	ARHGEF10	46.74	30.22	-1.55	0.00115271	0.003620152
ENSG00000105290	APLP1	38.38	24.74	-1.55	0.001551262	0.004362877
ENSG00000106624	AEBP1	119.73	77.41	-1.55	0.001538208	0.004338648
ENSG00000111231	GPN3	70.22	45.41	-1.55	0.000236	0.001416484
ENSG00000137760	ALKBH8	16.52	10.65	-1.55	0.002590783	0.006206025
ENSG00000151239	TWF1	62.61	40.39	-1.55	0.000559839	0.002321259
ENSG00000152518	ZFP36L2	83.4	53.64	-1.55	1.40E-05	0.000397527
ENSG00000157456	CCNB2	28.66	18.55	-1.55	0.000159876	0.00117312
ENSG00000158711	ELK4	14.37	9.25	-1.55	0.025912883	0.036007855
ENSG00000180574	EIF2S3L	32.96	21.27	-1.55	0.00055731	0.002317174
ENSG00000184557	SOCS3	41.96	27.14	-1.55	0.000759015	0.002811516
ENSG00000198561	CTNND1	105.36	67.79	-1.55	6.83E-05	0.000783618
ENSG00000203914	HSP90B3P	61.01	39.26	-1.55	0.000129379	0.00108067

ENSG00000255717	SNHG1	236.58	152.39	-1.55	0.000344557	0.001766156
ENSG00000256663	RP11-424C20.2	157.43	101.84	-1.55	0.000125233	0.001065842
ENSG00000259397	RP11-323I15.2	50.24	32.44	-1.55	0.000751066	0.002792804
ENSG00000276043	UHRF1	107.33	69.39	-1.55	7.46E-06	0.000336873
ENSG00000067064	IDI1	76.82	49.8	-1.54	5.56E-06	0.000311945
ENSG00000090621	PABPC4	329.97	214.67	-1.54	8.24E-05	0.000862514
ENSG00000100483	VCPKMT	14.43	9.34	-1.54	0.004052066	0.008612292
ENSG00000100726	TELO2	17.1	11.09	-1.54	0.002154763	0.005448699
ENSG00000108179	PPIF	95.57	62.17	-1.54	8.74E-05	0.000890316
ENSG00000122952	ZWINT	175.23	113.79	-1.54	0.000138697	0.001104399
ENSG00000134453	RBM17	102.58	66.47	-1.54	0.003101794	0.007113382
ENSG00000135912	TTLL4	98.12	63.59	-1.54	0.001510071	0.004284014
ENSG00000138092	CENPO	67.02	43.64	-1.54	0.002392662	0.005870531
ENSG00000148019	CEP78	20.58	13.35	-1.54	0.000610877	0.002448519
ENSG00000148291	SURF2	41.44	26.89	-1.54	0.000859364	0.002997805
ENSG00000160447	PKN3	20.82	13.52	-1.54	0.000382323	0.001874545
ENSG00000160752	FDPS	329.05	213.78	-1.54	0.000192576	0.001291084
ENSG00000163527	STT3B	100.02	64.89	-1.54	0.006114786	0.011548181
ENSG00000183072	NKX2-5	15.85	10.32	-1.54	0.000175792	0.001237331
ENSG00000213160	KLHL23	40.04	25.96	-1.54	0.000120816	0.001054263
ENSG00000227183	HDGFP1	30.38	19.74	-1.54	0.036195754	0.047632832
ENSG00000249859	PVT1	33.3	21.66	-1.54	0.023325725	0.032983374
ENSG00000258734	RP11-112J1.3	15.11	9.82	-1.54	0.019214703	0.028098508
ENSG00000105202	FBL	478.29	313.56	-1.53	2.45E-05	0.00050325
ENSG00000105655	ISYNA1	152.11	99.41	-1.53	0.000421449	0.001998749
ENSG00000117461	PIK3R3	32.92	21.5	-1.53	0.00022755	0.00139431
ENSG00000129910	CDH15	72.37	47.33	-1.53	0.000493963	0.002166492
ENSG00000136888	ATP6V1G1	253.34	165.11	-1.53	3.72E-05	0.000585791

ENSG00000141013	GAS8	33.36	21.86	-1.53	0.000501511	0.002181919
ENSG00000154124	OTULIN	18.74	12.21	-1.53	0.004715081	0.00958379
ENSG00000164329	PAPD4	35.95	23.57	-1.53	0.000163725	0.001191168
ENSG00000173065	FAM222B	30.05	19.58	-1.53	0.002431317	0.005928167
ENSG00000185262	UBALD2	92.82	60.54	-1.53	0.000398742	0.001932417
ENSG00000186834	HEXIM1	40.7	26.64	-1.53	8.64E-06	0.000345955
ENSG00000080608	KIAA0020	34.66	22.85	-1.52	0.007181019	0.012955948
ENSG00000094804	CDC6	66.33	43.59	-1.52	0.002345396	0.005790906
ENSG00000100564	PIGH	28.32	18.58	-1.52	0.002709301	0.006421723
ENSG00000111247	RAD51AP1	39.45	25.97	-1.52	0.004490597	0.009275399
ENSG00000124193	SRSF6	134.44	88.36	-1.52	3.76E-05	0.000586373
ENSG00000128928	IVD	54.75	36.03	-1.52	0.006134388	0.011577744
ENSG00000129353	SLC44A2	130.08	85.79	-1.52	0.005138416	0.010200294
ENSG00000131370	SH3BP5	43.55	28.61	-1.52	7.97E-05	0.000850026
ENSG00000144354	CDCA7	48.8	32.2	-1.52	0.000176318	0.001238064
ENSG00000153443	UBALD1	36.29	23.94	-1.52	0.000769919	0.002823519
ENSG00000174238	PITPNA	76.34	50.15	-1.52	0.00030803	0.001661806
ENSG00000177084	POLE	50.99	33.51	-1.52	0.015905832	0.02398966
ENSG00000178773	CPNE7	16.29	10.7	-1.52	0.000322806	0.001708426
ENSG00000183048	SLC25A10	16.03	10.57	-1.52	0.006333893	0.011862648
ENSG00000196233	LCOR	14.79	9.72	-1.52	0.009257388	0.015712105
ENSG00000196368	NUDT11	15.68	10.33	-1.52	0.001282666	0.00387909
ENSG00000197119	SLC25A29	38.09	25.07	-1.52	0.000415937	0.001989439
ENSG00000198885	ITPRIPL1	14.99	9.83	-1.52	0.000228087	0.001396141
ENSG00000228519	RP11-298C3.2	135.75	89.28	-1.52	0.000655642	0.002580218
ENSG00000102879	CORO1A	18.9	12.48	-1.51	0.011186183	0.018145494
ENSG00000112130	RNF8	27.29	18.12	-1.51	0.017222533	0.025656087
ENSG00000112312	GMNN	44.07	29.27	-1.51	0.000332825	0.001730063

ENSG00000128596	CCDC136	34.7	23.04	-1.51	0.00097552	0.003266289
ENSG00000138346	DNA2	23.84	15.84	-1.51	0.008101712	0.014190096
ENSG00000154734	ADAMTS1	156.84	103.54	-1.51	0.000946377	0.003205981
ENSG00000160753	RUSC1	61.91	40.9	-1.51	6.80E-05	0.000783618
ENSG00000167693	NXN	53.8	35.73	-1.51	0.00077814	0.002836111
ENSG00000168476	REEP4	69.23	45.9	-1.51	0.001677904	0.004559422
ENSG00000178082	TWF1P1	31.16	20.62	-1.51	0.001186555	0.003692839
ENSG00000182871	COL18A1	84.45	55.75	-1.51	0.001950144	0.005057781
ENSG00000213186	TRIM59	30.91	20.42	-1.51	0.01230188	0.019629449
ENSG00000214322	CBX1P2	18.02	11.93	-1.51	0.020506183	0.029676273
ENSG00000215492	HNRNPA1P7	185.84	123.2	-1.51	3.81E-05	0.000587629
ENSG00000255248	RP11-166D19.1	56.72	37.52	-1.51	0.004530431	0.009324832
ENSG00000057252	SOAT1	68.5	45.7	-1.5	0.003913853	0.008403802
ENSG00000075702	WDR62	18.05	12.05	-1.5	0.000117044	0.001033451
ENSG00000099284	H2AFY2	25.94	17.28	-1.5	0.000377913	0.001860688
ENSG00000105997	HOXA3	16.67	11.15	-1.5	0.02208394	0.031542694
ENSG00000120093	HOXB3	72.07	48.15	-1.5	0.000616101	0.002461048
ENSG00000130741	EIF2S3	75.18	50.14	-1.5	3.05E-05	0.000542982
ENSG00000131876	SNRPA1	120.57	80.55	-1.5	0.004143273	0.00874324
ENSG00000132436	FIGNL1	38.35	25.57	-1.5	0.001565532	0.004388998
ENSG00000132780	NASP	273.24	181.71	-1.5	0.000135781	0.001101612
ENSG00000134046	MBD2	110.55	73.75	-1.5	0.009127396	0.015586211
ENSG00000143476	DTL	33.91	22.55	-1.5	0.001232339	0.003779516
ENSG00000165669	FAM204A	68.7	45.87	-1.5	0.001023923	0.003374702
ENSG00000166598	HSP90B1	965.26	643.43	-1.5	8.40E-05	0.000873719
ENSG00000171223	JUNB	26.76	17.87	-1.5	0.000162631	0.001187629
ENSG00000177425	PAWR	37.85	25.22	-1.5	0.005812703	0.011150045
ENSG00000180398	MCFD2	194.73	129.73	-1.5	0.000149225	0.001137912

ENSG00000196656	AC004057.1	56.51	37.75	-1.5	0.022844092	0.032435292
ENSG00000259706	HSP90B2P	67.09	44.59	-1.5	3.68E-06	0.000283875
ENSG00000058804	NDC1	56.44	37.81	-1.49	9.39E-05	0.00092777
ENSG00000077152	UBE2T	138.98	93.19	-1.49	4.84E-05	0.000659253
ENSG00000103064	SLC7A6	27.44	18.47	-1.49	0.000306897	0.001661358
ENSG00000108468	CBX1	228.37	153.75	-1.49	1.90E-05	0.000455901
ENSG00000113595	TRIM23	15.6	10.47	-1.49	0.011505937	0.018541031
ENSG00000120708	TGFBI	30.87	20.67	-1.49	0.000485431	0.002152596
ENSG00000146457	WTAP	141.88	95.2	-1.49	0.000194107	0.001292674
ENSG00000150779	TIMM8B	99.76	66.87	-1.49	0.000196109	0.00129443
ENSG00000151617	EDNRA	43.82	29.45	-1.49	0.001939243	0.005044683
ENSG00000163605	PPP4R2	27.1	18.14	-1.49	0.027619961	0.038046383
ENSG00000175265	GOLGA8A	23.56	15.84	-1.49	0.008447438	0.014699044
ENSG00000178921	PFAS	53.21	35.73	-1.49	0.000428803	0.002010032
ENSG00000180376	CCDC66	16.85	11.29	-1.49	0.011270123	0.018256354
ENSG00000185697	MYBL1	16.07	10.8	-1.49	0.003584501	0.00789317
ENSG00000205542	TMSB4X	2792.68	1868.41	-1.49	0.000103696	0.00096673
ENSG00000224578	HNRNPA1P48	154.84	103.91	-1.49	0.0004357	0.002029972
ENSG00000250669	RP11-83M16.3	20.75	13.91	-1.49	0.029291695	0.039973586
ENSG00000264168	MTND1P15	129.22	86.79	-1.49	0.019903385	0.028982729
ENSG00000069275	NUCKS1	571.92	387.27	-1.48	0.002508916	0.006069425
ENSG00000099783	HNRNPM	366.65	247.68	-1.48	0.000198128	0.00129958
ENSG00000100479	POLE2	20.64	13.91	-1.48	0.002489426	0.006037218
ENSG00000105968	H2AFV	365.7	246.76	-1.48	1.30E-06	0.000228911
ENSG00000115825	PRKD3	69.97	47.29	-1.48	0.003336662	0.007477973
ENSG00000118495	PLAGL1	79.58	53.77	-1.48	0.000136776	0.001101612
ENSG00000119640	ACYP1	26.01	17.6	-1.48	0.003786856	0.008203643
ENSG00000124299	PEPD	170.85	115.39	-1.48	0.00042047	0.001998749

ENSG00000126970	ZC4H2	38.01	25.68	-1.48	0.005764429	0.011111969
ENSG00000131149	GSE1	30.51	20.56	-1.48	0.000710748	0.002709898
ENSG00000131351	HAUS8	63.28	42.69	-1.48	0.000443818	0.00204925
ENSG00000133657	ATP13A3	80.11	54.17	-1.48	0.025493624	0.035551632
ENSG00000136982	DSCC1	24.4	16.52	-1.48	0.000571587	0.002348323
ENSG00000143537	ADAM15	55.14	37.2	-1.48	0.024678436	0.034579294
ENSG00000144668	ITGA9	18.09	12.21	-1.48	0.017834791	0.026403235
ENSG00000151849	CENPJ	19.84	13.44	-1.48	8.98E-06	0.000346383
ENSG00000161547	SRSF2	364.16	245.97	-1.48	0.000114651	0.001028003
ENSG00000167842	MIS12	26.55	17.91	-1.48	0.000268335	0.001534099
ENSG00000176108	CHMP6	17.06	11.53	-1.48	0.003715859	0.008106324
ENSG00000177565	TBL1XR1	65.66	44.43	-1.48	0.002886143	0.006722195
ENSG00000181524	RPL24P4	300.93	203.4	-1.48	0.000155379	0.001168039
ENSG00000183684	ALYREF	241.73	163.88	-1.48	5.13E-05	0.000685159
ENSG00000188021	UBQLN2	20.02	13.57	-1.48	0.000386509	0.001891892
ENSG00000232864	CTD-2090I13.2	24.81	16.75	-1.48	0.031013628	0.04196214
ENSG00000236646	LAMTOR5P1	107.77	73.03	-1.48	4.95E-05	0.000668714
ENSG00000033178	UBA6	81.25	55.21	-1.47	0.007149522	0.012921827
ENSG00000049656	CLPTM1L	223.09	152.03	-1.47	0.00026816	0.001534099
ENSG00000056586	RC3H2	40.67	27.76	-1.47	0.005995915	0.011378947
ENSG00000073111	MCM2	88.53	60.42	-1.47	0.000281263	0.001573785
ENSG00000108578	BLMH	77.6	52.7	-1.47	0.006279312	0.011779234
ENSG00000112110	MRPL18	111.16	75.65	-1.47	8.61E-07	0.000228911
ENSG00000112739	PRPF4B	22.06	14.96	-1.47	0.003780382	0.008195252
ENSG00000114391	RPL24	850.37	579.36	-1.47	6.81E-06	0.000330214
ENSG00000117877	CD3EAP	39.6	26.89	-1.47	0.00015217	0.001152952
ENSG00000130713	EXOSC2	76.35	51.83	-1.47	3.45E-07	0.00018778
ENSG00000132967	HMGB1P5	83.04	56.67	-1.47	0.000113813	0.001022837



ENSG00000140350	ANP32A	319.96	218.11	-1.47	6.83E-05	0.000783618
ENSG00000144158	RP11-395L14.17	30.94	21	-1.47	0.000469045	0.002114128
ENSG00000173041	ZNF680	18.24	12.43	-1.47	0.003243208	0.007348599
ENSG00000173894	CBX2	31.92	21.67	-1.47	0.000144222	0.001125767
ENSG00000176619	LMNB2	212.81	144.78	-1.47	0.000260403	0.00150965
ENSG00000183763	TRAIP	23.64	16.03	-1.47	0.000598465	0.002415279
ENSG00000186480	INSIG1	34.22	23.22	-1.47	0.000160244	0.00117312
ENSG00000187742	SECISBP2	33.74	22.98	-1.47	0.003913049	0.008403802
ENSG00000232702	RP3-437C15.1	47.31	32.17	-1.47	0.000290088	0.001603274
ENSG00000254270	ERHP1	237.71	161.32	-1.47	0.000533723	0.002263784
	STAG3L5P-PVRIG2P-					
ENSG00000272752	PILRB	21.21	14.41	-1.47	0.006493272	0.012072462
ENSG0000029993	HMGB3	67.86	46.59	-1.46	0.001322941	0.003948793
ENSG00000106771	TMEM245	89.36	61.39	-1.46	0.00068309	0.002649232
ENSG00000115282	TTC31	16.08	10.98	-1.46	0.00291828	0.006771981
ENSG00000116560	SFPQ	514.37	353.09	-1.46	7.36E-05	0.000820289
ENSG00000123219	CENPK	41.77	28.54	-1.46	0.014613238	0.022444219
ENSG00000126215	XRCC3	20.92	14.31	-1.46	0.007488684	0.013381276
ENSG00000135018	UBQLN1	139.97	95.97	-1.46	0.000565582	0.002331148
ENSG00000147164	SNX12	55.97	38.32	-1.46	0.000184515	0.001267502
ENSG00000152240	HAUS1	44	30.11	-1.46	0.005482831	0.010696744
ENSG00000163362	C1orf106	22.92	15.65	-1.46	0.00229803	0.005712441
ENSG00000170043	TRAPPC1	316.6	217.56	-1.46	0.000872402	0.003034263
ENSG00000176894	PXMP2	29.93	20.45	-1.46	0.00638771	0.011938466
ENSG00000182973	CNOT10	22.64	15.54	-1.46	0.030629495	0.041499851
ENSG00000188985	DHFRP1	62.97	43.03	-1.46	0.000287203	0.001593935
ENSG00000235651	AC064850.4	34.56	23.61	-1.46	0.000845255	0.002971065
ENSG00000239306	RBM14	58.25	39.98	-1.46	7.78E-05	0.00084489

ENSG0000004478	FKBP4	85.69	58.92	-1.45	0.000459006	0.00209301
ENSG00000112742	TTK	26.87	18.51	-1.45	7.32E-05	0.000817745
ENSG00000115875	SRSF7	312.96	215.28	-1.45	8.19E-06	0.000345738
ENSG00000123080	CDKN2C	51.71	35.77	-1.45	9.65E-05	0.00093253
ENSG00000128228	SDF2L1	36.7	25.36	-1.45	0.001319023	0.00394429
ENSG00000130520	LSM4	354.36	244.63	-1.45	7.39E-05	0.000820289
ENSG00000132475	H3F3B	1183.18	813.21	-1.45	3.61E-05	0.000579064
ENSG00000134248	LAMTOR5	278.41	191.44	-1.45	0.000156166	0.001168105
ENSG00000134574	DDB2	17.64	12.19	-1.45	0.007650703	0.013590949
ENSG00000136811	ODF2	53.2	36.69	-1.45	0.000497653	0.00217779
ENSG00000143147	GPR161	21.1	14.57	-1.45	0.000425011	0.002009711
ENSG00000145833	DDX46	97.23	66.87	-1.45	0.004876083	0.009810742
ENSG00000147853	AK3	18.99	13.13	-1.45	0.003099115	0.00711002
ENSG00000153048	CARHSP1	173.13	119.36	-1.45	0.000561423	0.002323176
ENSG00000161800	RACGAP1	104.64	72.02	-1.45	0.000202011	0.001313293
ENSG00000169857	AVEN	20.45	14.08	-1.45	0.002044422	0.005237436
ENSG00000180818	HOXC10	48.51	33.39	-1.45	0.00083756	0.00294628
ENSG00000183207	RUVBL2	168.83	116.28	-1.45	0.001002246	0.003326074
ENSG00000185201	IFITM2	693.41	478.64	-1.45	0.001047165	0.003409536
ENSG00000185347	C14orf80	23.54	16.26	-1.45	0.003278939	0.007401889
ENSG00000216866	RPS2P55	29.62	20.47	-1.45	0.000415211	0.001987589
ENSG00000225267	RPL8P2	63.23	43.62	-1.45	0.003395308	0.007573255
ENSG00000257218	GATC	23.28	16.01	-1.45	0.001006938	0.003335982
ENSG00000261061	RP11-303E16.2	19.71	13.61	-1.45	0.008390407	0.014612815
ENSG00000267228	RP11-49K24.6	31.89	22.02	-1.45	0.003510315	0.007770663
ENSG00000270647	TAF15	134.95	92.8	-1.45	0.008000415	0.014088418
ENSG00000005884	ITGA3	52.27	36.32	-1.44	0.022086767	0.031542694
ENSG00000025772	TOMM34	60.27	41.79	-1.44	0.000124707	0.001065318

ENSG00000076706	MCAM	73.24	50.74	-1.44	1.73E-06	0.000228911
ENSG00000083720	OXCT1	34.61	23.99	-1.44	4.35E-05	0.000630393
ENSG00000104872	PIH1D1	117.98	81.71	-1.44	0.000439066	0.002035325
ENSG00000105251	SHD	84.85	58.93	-1.44	0.000111828	0.001009956
ENSG00000111602	TIMELESS	48	33.3	-1.44	0.00040228	0.001940929
ENSG00000112096	SOD2	443.61	307.41	-1.44	0.00033097	0.001725162
ENSG00000113161	HMGCR	96.57	66.93	-1.44	0.001030012	0.003387542
ENSG00000125347	IRF1	29.85	20.71	-1.44	0.001503401	0.004271291
ENSG00000128944	KNSTRN	74.2	51.35	-1.44	1.28E-05	0.000382441
ENSG00000135486	HNRNPA1	415.44	288.69	-1.44	0.001576105	0.004407382
ENSG00000136636	KCTD3	27.86	19.37	-1.44	0.012466432	0.019784346
ENSG00000138449	SLC40A1	28.07	19.53	-1.44	0.004608864	0.009439534
ENSG00000143793	C1orf35	24.36	16.89	-1.44	0.005040481	0.010056952
ENSG00000160193	WDR4	28.96	20.11	-1.44	0.000324193	0.001710847
ENSG00000164167	LSM6	39.41	27.4	-1.44	0.034292449	0.045547207
ENSG00000168264	IRF2BP2	90.64	62.73	-1.44	6.39E-05	0.000755493
ENSG00000169375	SIN3A	33.99	23.67	-1.44	0.001248635	0.003811553
ENSG00000172927	MYEOV	33.55	23.25	-1.44	0.026997969	0.037338701
ENSG00000186854	TRABD2A	49.02	34.13	-1.44	0.000389437	0.00190305
ENSG00000188229	TUBB4B	925.77	641.67	-1.44	0.000103223	0.000966021
ENSG00000205730	ITPRIPL2	23.14	16.03	-1.44	0.002186405	0.005504973
ENSG00000232112	TMA7	190.83	132.67	-1.44	0.001072092	0.003460102
ENSG00000257199	RP11-669B18.1	19.34	13.4	-1.44	0.001536371	0.004335553
ENSG00000259516	ANP32AP1	24.73	17.22	-1.44	0.000417429	0.001994253
ENSG00000039650	PNKP	45.1	31.55	-1.43	0.001781523	0.004765436
ENSG00000069011	PITX1	21.3	14.85	-1.43	9.63E-06	0.000347826
ENSG00000087087	SRRT	230.42	161.28	-1.43	0.000851727	0.00298412
ENSG00000092140	G2E3	17.53	12.24	-1.43	0.001024424	0.003374702

ENSG00000092445	TYRO3	21.32	14.9	-1.43	0.000115942	0.001031586
ENSG00000103978	TMEM87A	66.93	46.7	-1.43	0.000206037	0.001327925
ENSG00000104313	EYA1	21.18	14.86	-1.43	9.90E-05	0.000947182
ENSG00000115884	SDC1	73.83	51.74	-1.43	0.000781049	0.002841795
ENSG00000129810	SGOL1	17.12	11.99	-1.43	5.22E-05	0.000685888
ENSG00000131941	RHPN2	18.4	12.84	-1.43	0.005306066	0.010455233
ENSG00000136450	SRSF1	385.12	269.79	-1.43	4.14E-05	0.000613447
ENSG00000137818	RPLP1	1588.15	1111.95	-1.43	6.14E-05	0.000747068
ENSG00000162650	ATXN7L2	19.38	13.59	-1.43	5.49E-05	0.000704194
ENSG00000164045	CDC25A	35.43	24.84	-1.43	0.00010893	0.000995907
ENSG00000183765	CHEK2	57	39.76	-1.43	0.002778618	0.006546331
ENSG00000184009	ACTG1	4687.42	3274.66	-1.43	0.000308461	0.001661806
ENSG00000187607	ZNF286A	41.98	29.32	-1.43	0.006361393	0.011900857
ENSG00000072832	CRMP1	59.06	41.59	-1.42	0.000434252	0.002027431
ENSG00000073792	IGF2BP2	82.7	58.32	-1.42	8.70E-05	0.000890316
ENSG00000095002	MSH2	56.86	40	-1.42	2.67E-05	0.000519138
ENSG00000100997	ABHD12	43.51	30.72	-1.42	0.011170938	0.018145494
ENSG00000112983	BRD8	96.1	67.76	-1.42	0.00160235	0.004450986
ENSG00000123374	CDK2	81.21	57.33	-1.42	0.000666519	0.002606755
ENSG00000130703	OSBPL2	35.03	24.71	-1.42	0.00504924	0.010067577
ENSG00000131116	ZNF428	103.52	72.77	-1.42	0.000220651	0.001366652
ENSG00000151692	RNF144A	20.57	14.46	-1.42	1.51E-05	0.000414267
ENSG00000159167	STC1	19.66	13.86	-1.42	0.000497484	0.00217779
ENSG00000169045	HNRNPH1	1040.44	732.45	-1.42	9.61E-05	0.00093253
ENSG00000170364	SETMAR	17.31	12.17	-1.42	0.003726808	0.008126353
ENSG00000182263	FIGN	20.99	14.82	-1.42	0.01444624	0.022250315
ENSG00000183963	SMTN	21.21	14.89	-1.42	0.028463859	0.039025502
ENSG00000197771	MCMBP	85.38	60.06	-1.42	0.000329856	0.001720885

ENSG00000213397	HAUS7	34.13	24.05	-1.42	0.011884174	0.019061487
ENSG00000226525	RPS7P10	39.98	28.09	-1.42	0.005277481	0.010412902
ENSG00000278259	MYO19	64.42	45.29	-1.42	0.00241668	0.005909681
ENSG00000008294	SPAG9	133.84	94.74	-1.41	0.000500736	0.002181919
ENSG00000054356	PTPRN	21.19	15.08	-1.41	0.003628962	0.00796118
ENSG00000071054	MAP4K4	387.51	274.15	-1.41	0.000553166	0.002307088
ENSG00000071626	DAZAP1	97.65	69.39	-1.41	0.000492072	0.002164675
ENSG00000072571	HMMR	22.02	15.61	-1.41	0.009449251	0.016005317
ENSG00000077942	FBLN1	167.96	119.18	-1.41	0.000337047	0.001739828
ENSG00000088247	KHSRP	631.4	446.84	-1.41	4.68E-06	0.000289445
ENSG00000107798	LIPA	91.48	64.67	-1.41	0.00077381	0.002830705
ENSG00000112118	MCM3	115.58	82	-1.41	2.85E-05	0.000529753
ENSG00000112290	WASF1	55.21	39.11	-1.41	0.000436683	0.002029972
ENSG00000119969	HELLS	41.86	29.75	-1.41	0.006071343	0.011489388
ENSG00000122694	GLIPR2	72.5	51.34	-1.41	8.26E-05	0.000863233
ENSG00000136875	PRPF4	61.11	43.19	-1.41	9.20E-06	0.000347826
ENSG00000138166	DUSP5	32.44	23.07	-1.41	0.000492775	0.002164915
ENSG00000139428	MMAB	26.56	18.8	-1.41	0.000508956	0.002196282
ENSG00000166483	WEE1	49.24	35	-1.41	0.000851721	0.00298412
ENSG00000167747	C19orf48	115.66	82.11	-1.41	0.001371134	0.004042399
ENSG00000170234	PWWP2A	17.75	12.55	-1.41	0.003324572	0.007466598
ENSG00000172687	ZNF738	31.03	22.05	-1.41	0.000212779	0.001350363
ENSG00000183828	NUDT14	127.07	89.88	-1.41	0.001882443	0.004941775
ENSG00000185920	PTCH1	25.05	17.8	-1.41	0.020499454	0.029673858
ENSG00000187522	HSPA14	48.74	34.49	-1.41	0.00015854	0.00117312
ENSG00000225536	STIP1P3	45.72	32.43	-1.41	0.000224428	0.001381333
ENSG00000101193	GID8	32.14	22.92	-1.4	0.000314686	0.001682013
ENSG00000101412	E2F1	40.77	29.13	-1.4	0.001111044	0.003538936

ENSG00000109920	FNBP4	81.24	58.14	-1.4	0.000198744	0.001302163
ENSG00000112697	TMEM30A	125.47	89.72	-1.4	0.006628327	0.012272974
ENSG00000122376	FAM35A	18.02	12.9	-1.4	0.001218536	0.003753702
ENSG00000131473	ACLY	184.02	131.88	-1.4	4.24E-06	0.000284402
ENSG00000131779	PEX11B	36.64	26.22	-1.4	0.00048395	0.002152596
ENSG00000132781	MUTYH	25.35	18.05	-1.4	0.000476821	0.002138487
ENSG00000133226	SRRM1	74.42	53.07	-1.4	0.000846039	0.002971065
ENSG00000134153	EMC7	137.5	98.56	-1.4	0.000314134	0.001682013
ENSG00000137075	RNF38	18.85	13.47	-1.4	0.00025453	0.001486618
ENSG00000137285	TUBB2B	56.07	40.1	-1.4	0.000739288	0.002777824
ENSG00000140400	MAN2C1	34	24.28	-1.4	0.027201628	0.037549516
ENSG00000145781	COMMD10	19.2	13.71	-1.4	0.008011709	0.014099839
ENSG00000145907	G3BP1	149.32	106.98	-1.4	0.000193227	0.001292002
ENSG00000161813	LARP4	31.51	22.46	-1.4	0.001332874	0.003969515
ENSG00000167394	ZNF668	64.28	45.84	-1.4	0.011255055	0.018236984
ENSG00000167615	LENG8	48.8	34.77	-1.4	0.018060748	0.026663703
ENSG00000169919	GUSB	52.56	37.5	-1.4	0.00421174	0.008855376
ENSG00000177192	PUS1	28.48	20.33	-1.4	0.001093444	0.003496869
ENSG00000177613	CSTF2T	32.7	23.43	-1.4	5.44E-05	0.000702266
ENSG00000180198	RCC1	92.26	65.7	-1.4	0.000421443	0.001998749
ENSG00000198763	MT-ND2	4903.79	3513.44	-1.4	0.003802062	0.008232361
ENSG00000219201	RP11-181C21.4	42.26	30.18	-1.4	0.001144855	0.00360356
ENSG00000221968	FADS3	36.72	26.15	-1.4	0.001092875	0.003496869
ENSG00000236562	RP11-396M11.1	24.04	17.17	-1.4	0.022504411	0.032022778
ENSG00000255823	MTRNR2L8	267.41	191.09	-1.4	0.000810638	0.002896409
ENSG00000004487	KDM1A	134.39	96.81	-1.39	0.001566084	0.004388998
ENSG00000005302	MSL3	23.09	16.57	-1.39	0.000203207	0.001318151
ENSG00000099194	SCD	179.29	129.3	-1.39	9.48E-05	0.000929324

ENSG00000100749	VRK1	48.25	34.8	-1.39	0.003200152	0.00726789
ENSG00000105323	HNRNPUL1	332.53	238.85	-1.39	2.21E-05	0.000481097
ENSG00000106144	CASP2	35.76	25.77	-1.39	0.000423515	0.002004434
ENSG00000111445	RFC5	19.58	14.06	-1.39	0.00222077	0.005569973
ENSG00000122140	MRPS2	110.6	79.41	-1.39	0.00330214	0.007437332
ENSG00000129473	BCL2L2	26.88	19.37	-1.39	0.005606669	0.010886592
ENSG00000133789	SWAP70	20.81	14.97	-1.39	0.000170636	0.001220256
ENSG00000139292	LGR5	21.29	15.37	-1.39	3.61E-05	0.000579064
ENSG00000163781	TOPBP1	65.38	47.13	-1.39	0.004905363	0.009851045
ENSG00000171617	ENC1	53.22	38.23	-1.39	0.002392405	0.005870531
ENSG00000175455	CCDC14	50.33	36.24	-1.39	0.023864423	0.033615415
ENSG00000182944	EWSR1	210.38	151.72	-1.39	0.00103838	0.003397912
ENSG00000197457	STMN3	145.94	105.24	-1.39	0.000199342	0.001303954
ENSG00000213683	AC002056.3	21.36	15.42	-1.39	0.010017462	0.016750041
ENSG00000225630	MTND2P28	1752	1259.08	-1.39	0.003991795	0.008527462
ENSG00000228716	DHFR	27.02	19.5	-1.39	8.64E-05	0.000888919
ENSG00000244331	CTB-47B8.1	62.15	44.64	-1.39	0.03252761	0.043588187
ENSG00000254319	RP11-134O21.1	19.22	13.82	-1.39	0.001795852	0.004793298
ENSG00000277443	MARCKS	116.12	83.25	-1.39	0.000376678	0.001857727
ENSG00000100982	PCIF1	32.92	23.88	-1.38	0.005464101	0.010669827
ENSG00000102974	CTCF	33.43	24.24	-1.38	3.49E-05	0.000574658
ENSG00000103121	CMC2	128.43	92.81	-1.38	0.000356678	0.001801516
ENSG00000104731	KLHDC4	39.76	28.72	-1.38	0.00138007	0.00405738
ENSG00000105825	TFPI2	213.71	154.77	-1.38	0.000709781	0.002707975
ENSG00000106344	RBM28	111.14	80.46	-1.38	0.00016543	0.001200597
ENSG00000107566	ERLIN1	54.75	39.79	-1.38	1.40E-05	0.000397517
ENSG00000108515	ENO3	173.3	125.3	-1.38	0.002309873	0.005729735
ENSG00000111450	STX2	23.53	17.11	-1.38	6.11E-06	0.000320086

ENSG00000120656	TAF12	40.85	29.52	-1.38	0.001634893	0.004497681
ENSG00000124571	XPO5	103.54	75.03	-1.38	0.018633004	0.027411926
ENSG00000126216	TUBGCP3	26.94	19.54	-1.38	0.002873876	0.006716166
ENSG00000138095	LRPPRC	146.56	106.42	-1.38	0.001163394	0.003638477
ENSG00000159217	IGF2BP1	76	54.97	-1.38	0.000175346	0.001235854
ENSG00000160199	PKNOX1	19.21	13.97	-1.38	0.002138998	0.005418179
ENSG00000160299	PCNT	26.45	19.16	-1.38	0.004613505	0.009439534
ENSG00000162227	TAF6L	20.49	14.9	-1.38	0.021402664	0.030768624
ENSG00000163900	TMEM41A	22.63	16.38	-1.38	0.000287311	0.001593935
ENSG00000163918	RFC4	71.56	51.91	-1.38	0.002276686	0.005673816
ENSG00000175198	PCCA	36.62	26.54	-1.38	0.004732407	0.009612343
ENSG00000203760	CENPW	45.16	32.82	-1.38	0.002079308	0.00531539
ENSG00000215835	RP11-9L18.2	43.29	31.45	-1.38	0.001316626	0.003943154
ENSG00000224061	AC092106.1	19.04	13.75	-1.38	0.001250899	0.003812512
ENSG00000281398	SNHG4	27.34	19.8	-1.38	0.001150588	0.00361772
ENSG00000054148	PHPT1	145.19	106.2	-1.37	0.004511803	0.009299547
ENSG00000055044	NOP58	150.97	110.39	-1.37	0.000336544	0.001739648
ENSG00000073584	SMARCE1	124.71	91.05	-1.37	2.14E-05	0.000473144
ENSG00000077312	SNRPA	170.58	124.91	-1.37	0.009087726	0.015550168
ENSG00000090060	PAPOLA	118.89	86.94	-1.37	0.000691231	0.002670208
ENSG00000108262	GIT1	44.11	32.26	-1.37	0.000922454	0.003155279
ENSG00000108389	MTMR4	51.97	37.94	-1.37	0.001882075	0.004941775
ENSG00000110492	MDK	871.53	635.37	-1.37	0.000496168	0.002174537
ENSG00000113456	RAD1	31.99	23.4	-1.37	0.00148965	0.004252828
ENSG00000120334	CENPL	43.61	31.9	-1.37	0.000635704	0.002527299
ENSG00000125534	PPDPF	132.45	96.65	-1.37	0.008220339	0.01436783
ENSG00000128973	CLN6	31.79	23.2	-1.37	0.001149038	0.003614784
ENSG00000129422	MTUS1	62.06	45.34	-1.37	0.000645917	0.002559226



ENSG00000133028	SCO1	47.78	34.75	-1.37	0.001053189	0.003423448
ENSG00000140632	GLYR1	82.23	60.24	-1.37	0.000191295	0.001289374
ENSG00000147536	GINS4	28.45	20.82	-1.37	0.006419551	0.01197717
ENSG00000153487	ING1	21.97	16.05	-1.37	0.000898107	0.003098053
ENSG00000164930	FZD6	20.68	15.12	-1.37	0.00827726	0.014454393
ENSG00000165272	AQP3	28.37	20.69	-1.37	0.001126988	0.003556866
ENSG00000167508	MVD	61.76	45.15	-1.37	0.009460288	0.016019384
ENSG00000167815	PRDX2	545.36	399.11	-1.37	0.000277888	0.001565355
ENSG00000171792	RHNO1	68.31	49.84	-1.37	0.000348241	0.001777674
ENSG00000173653	RCE1	31	22.56	-1.37	0.00134673	0.003996571
ENSG00000175592	FOSL1	134.54	98.12	-1.37	0.004473837	0.009249066
ENSG00000196730	DAPK1	45.34	33.17	-1.37	0.000451063	0.002076166
ENSG00000217241	CBX3P9	252.04	184.49	-1.37	0.000436873	0.002029972
ENSG00000225462	FDPSP1	25.85	18.93	-1.37	0.002228721	0.005580366
ENSG00000233016	SNHG7	67.75	49.28	-1.37	0.003114752	0.007131944
ENSG00000244462	RBM12	74.71	54.73	-1.37	0.001997778	0.005149438
ENSG00000254244	PAICSP4	40.67	29.75	-1.37	0.013378894	0.020837672
ENSG00000258581	RP11-638I2.10	106.89	78.05	-1.37	0.001797919	0.004796632
ENSG00000014138	POLA2	38.9	28.63	-1.36	0.003006891	0.006944626
ENSG00000015133	CCDC88C	30.52	22.42	-1.36	0.006062271	0.011482286
ENSG00000051825	MPHOSPH9	24.11	17.67	-1.36	0.017872243	0.026445327
ENSG00000092199	HNRNPC	956.77	702.77	-1.36	0.000285572	0.001590996
ENSG00000100376	FAM118A	28.48	20.87	-1.36	0.009723039	0.016374468
ENSG00000100632	ERH	361.29	264.99	-1.36	1.94E-05	0.000459957
ENSG00000100664	EIF5	342.86	252.78	-1.36	0.001347999	0.003998313
ENSG00000100697	DICER1	36.81	27.03	-1.36	0.022362026	0.03187251
ENSG00000108312	UBTF	89.49	65.66	-1.36	0.000893219	0.003090169
ENSG00000113369	ARRDC3	18.85	13.83	-1.36	2.11E-05	0.00046931

ENSG00000118007	STAG1	25.73	18.9	-1.36	0.001372076	0.004043142
ENSG00000119616	FCF1	52.33	38.5	-1.36	0.001439432	0.004155998
ENSG00000129103	SUMF2	138.11	101.77	-1.36	0.000105124	0.000975847
ENSG00000134884	ARGLU1	64.41	47.45	-1.36	0.010474427	0.017277648
ENSG00000136143	SUCLA2	35.68	26.14	-1.36	0.003983479	0.008522116
ENSG00000142541	RPL13A	379.35	279.12	-1.36	0.000796764	0.00287168
ENSG00000146909	NOM1	20.87	15.37	-1.36	0.002332261	0.005765757
ENSG00000148704	VAX1	22.8	16.75	-1.36	0.000467982	0.002112585
ENSG00000164754	RAD21	178.17	131.2	-1.36	0.000237829	0.001423942
ENSG00000165704	HPRT1	26.21	19.33	-1.36	0.001120576	0.003553846
ENSG00000180581	SRP9P1	216.4	159.03	-1.36	0.00218202	0.00549629
ENSG00000185834	RPL12P4	96.34	71.03	-1.36	0.006343238	0.011872565
ENSG00000198858	R3HDM4	49.51	36.53	-1.36	0.00086118	0.003002356
ENSG00000204256	BRD2	180.05	131.93	-1.36	0.00187629	0.004941775
ENSG00000204590	GNL1	129.12	94.73	-1.36	0.000792309	0.0028609
ENSG00000217835	RP6-159A1.2	22.49	16.58	-1.36	0.003996085	0.008530671
ENSG00000223551	TMSB4XP4	59.85	43.97	-1.36	0.005902254	0.01125555
ENSG00000224411	HSP90AA2P	104.57	76.78	-1.36	0.000858866	0.002997805
ENSG00000227203	SUB1P1	89.69	65.9	-1.36	0.013104049	0.020542425
ENSG00000243781	RP11-193H5.2	23.51	17.26	-1.36	0.03024207	0.04104131
ENSG00000245532	NEAT1	37.92	27.83	-1.36	0.008115771	0.014210475
ENSG00000060339	CCAR1	121.5	89.67	-1.35	0.004457836	0.00923236
ENSG00000064666	CNN2	175.12	129.63	-1.35	0.003051252	0.007022191
ENSG00000065057	NTHL1	41.43	30.62	-1.35	0.001039189	0.003398663
ENSG00000080824	HSP90AA1	943.94	701.37	-1.35	0.000283516	0.001583368
ENSG00000100519	PSMC6	93.55	69.39	-1.35	0.002711157	0.006423188
ENSG00000127337	YEATS4	29.32	21.76	-1.35	0.016294436	0.024443738
ENSG00000139645	ANKRD52	26.27	19.47	-1.35	0.000245114	0.001453337

ENSG00000145349	CAMK2D	54.54	40.53	-1.35	0.001191438	0.003700525
ENSG00000147274	RBMX	245.85	182.18	-1.35	4.70E-05	0.000656395
ENSG00000147471	PROSC	72.37	53.78	-1.35	0.01445158	0.022250315
ENSG00000153187	HNRNPU	461.77	341.5	-1.35	0.000501585	0.002181919
ENSG00000159720	ATP6V0D1	128.44	94.83	-1.35	0.001398442	0.004094091
ENSG00000164134	NAA15	39.35	29.24	-1.35	0.008765906	0.015118609
ENSG00000168439	STIP1	315.75	233.91	-1.35	0.000468806	0.002114128
ENSG00000169813	HNRNPF	191	141.5	-1.35	9.35E-05	0.000927718
ENSG00000175279	APITD1	22.3	16.49	-1.35	0.011101201	0.018047531
ENSG00000179409	GEMIN4	52.88	39.14	-1.35	3.66E-05	0.000580923
ENSG00000182742	HOXB4	20.69	15.38	-1.35	0.000911048	0.00312603
ENSG00000184967	NOC4L	23.5	17.45	-1.35	0.006724473	0.012389358
ENSG00000186063	AIDA	36.54	27.12	-1.35	0.001013555	0.003350332
ENSG00000188486	H2AFX	93.93	69.73	-1.35	0.001683534	0.004569413
ENSG00000223722	RP11-467L13.5	34.87	25.77	-1.35	0.036529981	0.048010111
ENSG00000227939	RPL3P2	58.65	43.57	-1.35	0.002982902	0.006900093
ENSG00000234741	GAS5	333.32	246.97	-1.35	0.00109204	0.003496869
ENSG00000242125	SNHG3	90.9	67.47	-1.35	0.004039844	0.008595663
ENSG00000256618	MTRNR2L1	214.95	158.91	-1.35	0.000119551	0.001045798
ENSG0000035115	SH3YL1	24.52	18.27	-1.34	0.014771747	0.022628403
ENSG00000100625	SIX4	36.01	26.8	-1.34	0.00304825	0.007018036
ENSG00000100941	PNN	85.99	64.14	-1.34	0.000136881	0.001101612
ENSG00000105248	CCDC94	25.51	19.02	-1.34	0.000899095	0.003098053
ENSG00000105988	NHP2P1	39.44	29.33	-1.34	0.001656107	0.004520987
ENSG00000112081	SRSF3	449.1	334.66	-1.34	0.000745899	0.002781934
ENSG00000113387	SUB1	212.41	158.54	-1.34	0.001322953	0.003948793
ENSG00000117632	STMN1	1322.05	988.68	-1.34	0.000531344	0.002256193
ENSG00000120253	NUP43	47.56	35.59	-1.34	0.001383826	0.00405738

ENSG00000133104	SPG20	78.15	58.13	-1.34	1.36E-05	0.000392404
ENSG00000146576	C7orf26	25.76	19.21	-1.34	0.003119609	0.007140276
ENSG00000161791	FMNL3	20.93	15.59	-1.34	0.000827008	0.002933803
ENSG00000163946	FAM208A	50.53	37.68	-1.34	0.002308546	0.005728867
ENSG00000164904	ALDH7A1	146.18	109.27	-1.34	0.00054312	0.002279784
ENSG00000168209	DDIT4	29.99	22.46	-1.34	0.003316866	0.007457029
ENSG00000185090	MANEAL	29.77	22.26	-1.34	0.00582486	0.011158766
ENSG00000196419	XRCC6	409.91	305.78	-1.34	7.58E-05	0.000835632
ENSG00000204253	HNRNPCP2	306.65	228.68	-1.34	2.74E-05	0.000524747
ENSG00000218175	AC016739.2	1458.27	1091.95	-1.34	0.001365231	0.004034934
ENSG00000229835	KHSRPP1	37.51	27.89	-1.34	0.001646556	0.004513981
ENSG00000231397	AC004941.5	65.86	49.05	-1.34	0.026269365	0.036451386
ENSG00000231579	RPL7P21	35.44	26.51	-1.34	0.020649111	0.029824233
ENSG00000236456	RP4-785G19.2	30.41	22.63	-1.34	0.00360836	0.007927004
ENSG00000251400	ALDH7A1P1	43.23	32.17	-1.34	5.30E-06	0.000311945
ENSG00000264350	SNRPGP2	104.7	78.25	-1.34	0.001342149	0.003989032
ENSG00000006634	DBF4	58.03	43.65	-1.33	0.002905539	0.006755782
ENSG00000031003	FAM13B	22.72	17.12	-1.33	0.020133976	0.029245885
ENSG00000066629	EML1	31.52	23.66	-1.33	0.007615568	0.01354084
ENSG00000100568	VTI1B	129.99	97.94	-1.33	0.007787925	0.013776287
ENSG00000126001	CEP250	64.62	48.73	-1.33	0.013141351	0.020581293
ENSG00000129968	ABHD17A	31.25	23.48	-1.33	0.009018252	0.015440302
ENSG00000131652	THOC6	28.99	21.83	-1.33	0.000478686	0.002144398
ENSG00000134758	RNF138	24.97	18.84	-1.33	0.014433866	0.02223862
ENSG00000136527	TRA2B	259.83	195.12	-1.33	0.00017713	0.001238064
ENSG00000136720	HS6ST1	22.11	16.61	-1.33	4.08E-05	0.000611734
ENSG00000137337	MDC1	50.8	38.09	-1.33	0.005996068	0.011378947
ENSG00000138398	PPIG	82.41	61.87	-1.33	0.000226662	0.001393226

ENSG00000154832	CXXC1	65.19	48.95	-1.33	0.005371204	0.010523468
ENSG00000160271	RALGDS	87.59	66.03	-1.33	0.001057621	0.003430249
ENSG00000162613	FUBP1	96.85	72.68	-1.33	0.000189343	0.001281934
ENSG00000162783	IER5	50.66	38.01	-1.33	0.000156161	0.001168105
ENSG00000163597	SNHG16	96.57	72.74	-1.33	0.002327336	0.00575601
ENSG00000166197	NOLC1	138.19	103.6	-1.33	2.38E-05	0.000496562
ENSG00000166451	CENPN	34.14	25.63	-1.33	0.025900435	0.035999088
ENSG00000167565	SERTAD3	61.48	46.4	-1.33	0.011615098	0.01870152
ENSG00000168066	SF1	341.04	257.36	-1.33	0.000170415	0.001220165
ENSG00000171456	ASXL1	66.64	50.24	-1.33	1.78E-05	0.00044469
ENSG00000172167	MTBP	24.88	18.75	-1.33	0.001909223	0.005000305
ENSG00000172936	MYD88	45.2	33.97	-1.33	0.000358466	0.00180628
ENSG00000178074	C2orf69	20.62	15.45	-1.33	0.004703138	0.009566633
ENSG00000197785	ATAD3A	27.49	20.69	-1.33	0.000231049	0.001402393
ENSG00000225712	ATP5G2P1	25.74	19.39	-1.33	0.024949486	0.034892389
ENSG00000234825	XRCC6P2	79.65	59.93	-1.33	2.49E-06	0.000251614
ENSG00000248546	ANP32C	22.84	17.13	-1.33	0.001656734	0.004520987
ENSG00000269858	EGLN2	104.23	78.65	-1.33	0.002563449	0.006165736
ENSG00000005448	WDR54	40.37	30.51	-1.32	0.007500345	0.0133969
ENSG00000066654	THUMPD1	27.84	21.06	-1.32	0.002302339	0.005720728
ENSG00000072501	SMC1A	85.71	65.15	-1.32	0.005293235	0.010433455
ENSG00000072864	NDE1	42.75	32.43	-1.32	0.013745167	0.021334479
ENSG00000089280	FUS	463.63	350.77	-1.32	0.001272328	0.003855777
ENSG00000099869	IGF2-AS	21.22	16.03	-1.32	0.001087234	0.003493976
ENSG00000101361	NOP56	389.21	294.99	-1.32	0.00013069	0.001083968
ENSG00000101391	CDK5RAP1	89.3	67.75	-1.32	0.007233182	0.013014845
ENSG00000102178	UBL4A	45.05	34.15	-1.32	0.000789066	0.002856071
ENSG00000104356	POP1	22.27	16.91	-1.32	0.000585357	0.00238625

ENSG00000104907	TRMT1	104.5	79.02	-1.32	0.009216035	0.015687324
ENSG00000111875	ASF1A	35.3	26.73	-1.32	0.004447995	0.009223142
ENSG00000116161	CACYBP	360.48	273.71	-1.32	0.00144709	0.004167846
ENSG00000123545	NDUFAF4	53.3	40.49	-1.32	0.000314085	0.001682013
ENSG00000125835	SNRPB	416.33	315.31	-1.32	0.001066782	0.003450421
ENSG00000127124	HIVEP3	31.38	23.81	-1.32	0.006329885	0.011858929
ENSG00000130816	DNMT1	335.36	254.04	-1.32	0.000261417	0.001511782
ENSG00000131778	CHD1L	41.88	31.61	-1.32	0.007180957	0.012955948
ENSG00000135596	MICAL1	33.27	25.2	-1.32	0.017384286	0.025840673
ENSG00000137726	FXVD6	122.77	92.84	-1.32	0.001430842	0.004141202
ENSG00000144580	RQCD1	134.15	101.61	-1.32	0.000833805	0.002942626
ENSG00000145794	MEGF10	50.92	38.67	-1.32	0.008042423	0.01412422
ENSG00000160208	RRP1B	40.27	30.6	-1.32	0.000167778	0.001211638
ENSG00000165156	ZHX1	37.32	28.24	-1.32	0.01326568	0.020721883
ENSG00000165209	STRBP	32.62	24.66	-1.32	0.013019691	0.02044771
ENSG00000165801	ARHGGEF40	31.51	23.82	-1.32	0.000116886	0.001033451
ENSG00000169429	CXCL8	80.94	61.3	-1.32	0.002513	0.006071789
ENSG00000170017	ALCAM	23.27	17.61	-1.32	0.001916633	0.005008166
ENSG00000173848	NET1	101.55	76.91	-1.32	0.001631081	0.004494672
ENSG00000177700	POLR2L	239.83	181.18	-1.32	0.002600159	0.006223402
ENSG00000183386	FHL3	34.58	26.16	-1.32	0.000183093	0.001263124
ENSG00000185000	DGAT1	33.04	25.09	-1.32	0.000456288	0.002089413
ENSG00000185842	DNAH14	22.38	17.01	-1.32	0.015073669	0.023006766
ENSG00000197989	SNHG12	41.14	31.17	-1.32	0.035654864	0.047079515
ENSG00000210082	MT-RNR2	7019.19	5308.4	-1.32	0.000159749	0.00117312
ENSG00000211459	MT-RNR1	1034.97	781.43	-1.32	0.000203807	0.001320582
ENSG00000213177	PRDX2P4	22.73	17.17	-1.32	0.028876711	0.039499191
ENSG00000225093	RPL3P7	63.19	47.96	-1.32	0.034168405	0.04541331

ENSG00000230911	PPIHP1	40.29	30.53	-1.32	0.000391695	0.001910897
ENSG00000240395	RPL5P23	27.49	20.81	-1.32	0.000565693	0.002331148
ENSG00000249485	RBBP4P1	70.85	53.79	-1.32	0.000850767	0.00298412
ENSG00000263606	RP11-737O24.3	25.81	19.6	-1.32	0.006707949	0.012377411
ENSG00000002549	LAP3	41.09	31.25	-1.31	0.000669619	0.002614279
ENSG00000054118	THRAP3	99.75	76.19	-1.31	0.000453986	0.002083146
ENSG00000070814	TCOF1	59.82	45.62	-1.31	0.000121492	0.001058585
ENSG00000089006	SNX5	119.33	91.37	-1.31	0.000438216	0.002032992
ENSG00000100316	RPL3	1845.44	1405.29	-1.31	0.001043592	0.003403571
ENSG00000100938	GMPR2	157.17	120.11	-1.31	0.0129847	0.020413479
ENSG00000102606	ARHGEF7	31.71	24.13	-1.31	8.58E-06	0.000345955
ENSG00000104889	RNASEH2A	69.37	52.99	-1.31	0.000802522	0.002877379
ENSG00000106009	BRAT1	40.94	31.25	-1.31	0.000358304	0.00180628
ENSG00000115392	FANCL	33.95	25.86	-1.31	0.003803115	0.008232361
ENSG00000121067	SPOP	86.77	66.38	-1.31	0.016348146	0.024492981
ENSG00000121621	KIF18A	21.89	16.7	-1.31	0.004916314	0.009869656
ENSG00000124795	DEK	135.61	103.59	-1.31	0.003583621	0.00789317
ENSG00000125484	GTF3C4	24.21	18.54	-1.31	0.004496548	0.009276525
ENSG00000125944	HNRNPR	272.2	208.15	-1.31	0.000170114	0.001219493
ENSG00000128191	DGCR8	33.71	25.73	-1.31	0.002606	0.006229754
ENSG00000132485	ZRANB2	103.74	79.43	-1.31	0.000216576	0.001365008
ENSG00000140830	TXNL4B	24.94	18.98	-1.31	0.004070984	0.008636849
ENSG00000143553	SNAPIN	69.64	53.06	-1.31	0.001031153	0.003389394
ENSG00000144040	SFXN5	32.6	24.97	-1.31	0.00532898	0.010480742
ENSG00000147548	WHSC1L1	53.31	40.75	-1.31	0.012523829	0.019859311
ENSG00000166783	KIAA0430	25.66	19.53	-1.31	0.015473437	0.023500709
ENSG00000166788	SAAL1	46.17	35.16	-1.31	0.001487142	0.004251877
ENSG00000171863	RPS7	690.93	528.42	-1.31	0.003121894	0.007142718

ENSG00000188157	AGRN	30.09	22.92	-1.31	0.028696787	0.039291777
ENSG00000196914	ARHGEF12	26.15	20.02	-1.31	0.006488405	0.012067239
ENSG00000213024	NUP62	155.73	118.84	-1.31	0.000122985	0.001061712
ENSG00000218748	DBIP1	112.48	85.92	-1.31	0.00715636	0.012924205
ENSG00000242457	RBBP4P2	23.67	18.05	-1.31	0.006719789	0.012389358
ENSG00000248854	HNRNPH1P3	27.36	20.89	-1.31	0.000985309	0.003286606
ENSG00000255977	RP11-444J21.2	26.21	20.07	-1.31	0.003493486	0.007739253
ENSG00000257043	RP11-137N23.1	44.52	34.02	-1.31	0.015650082	0.023695348
ENSG00000257511	RP11-278C7.1	50.52	38.71	-1.31	0.00046177	0.002098277
ENSG00000004975	DVL2	50.33	38.6	-1.3	0.002212839	0.005559592
ENSG00000011260	UTP18	43.72	33.68	-1.3	0.001033332	0.003390642
ENSG00000070761	CFAP20	102.99	79.41	-1.3	0.021552152	0.03093045
ENSG00000082153	BZW1	385.05	296.47	-1.3	0.002834761	0.0066439
ENSG00000087245	MMP2	54.99	42.4	-1.3	0.015387879	0.023395003
ENSG00000088205	DDX18	91.58	70.22	-1.3	0.000166562	0.001205827
ENSG00000110172	CHORDC1	83.46	64.06	-1.3	0.000338342	0.00174287
ENSG00000114767	RRP9	55.51	42.79	-1.3	0.002963551	0.006863454
ENSG00000115761	NOL10	51.63	39.64	-1.3	0.001034876	0.003390642
ENSG00000116406	EDEM3	46.98	36.11	-1.3	0.037941244	0.049529709
ENSG00000116750	UCHL5	91.38	70.53	-1.3	0.006362412	0.011900857
ENSG00000122566	HNRNPA2B1	1601.94	1228.18	-1.3	2.81E-05	0.000527667
ENSG00000122705	CLTA	269.01	206.64	-1.3	0.001249789	0.003812454
ENSG00000124126	PREX1	29.43	22.62	-1.3	0.002819614	0.006613687
ENSG00000125450	NUP85	152.61	117.69	-1.3	0.009785897	0.016470596
ENSG00000125863	MKKS	36.26	27.84	-1.3	0.005327693	0.010480742
ENSG00000129946	SHC2	29.46	22.69	-1.3	0.026794698	0.037106547
ENSG00000131269	ABCB7	25.66	19.78	-1.3	0.007971881	0.014042388
ENSG00000132661	NXT1	36.51	28.16	-1.3	0.001338692	0.003984819



ENSG00000135365	PHF21A	31.65	24.3	-1.3	0.011207413	0.018169828
ENSG00000136938	ANP32B	336.99	258.92	-1.3	0.000953647	0.003217599
ENSG00000139998	RAB15	69.23	53.08	-1.3	0.000701783	0.002698527
ENSG00000141480	ARRB2	21.69	16.69	-1.3	0.007666381	0.013614676
ENSG00000143033	MTF2	50.97	39.14	-1.3	0.000171052	0.00122174
ENSG00000143977	SNRPG	362.01	279.38	-1.3	0.000591284	0.00239951
ENSG00000160633	SAFB	86.57	66.61	-1.3	0.000689451	0.00266509
ENSG00000160679	CHTOP	123.63	95.29	-1.3	0.000485019	0.002152596
ENSG00000161267	BDH1	26.46	20.31	-1.3	0.018649232	0.027428917
ENSG00000163655	GMPS	49.16	37.92	-1.3	0.000410336	0.001970492
ENSG00000166037	CEP57	38.94	29.84	-1.3	0.005757052	0.011105049
ENSG00000168874	ATOH8	30.14	23.24	-1.3	0.003833499	0.008274693
ENSG00000169689	STRA13	129.37	99.3	-1.3	0.014421363	0.022231039
ENSG00000171163	ZNF692	34.5	26.52	-1.3	0.004069505	0.008636835
ENSG00000175334	BANF1	269.13	207.28	-1.3	0.00418249	0.008816003
ENSG00000176624	MEX3C	41.13	31.76	-1.3	0.027126366	0.037480917
ENSG00000183696	UPP1	38.47	29.56	-1.3	0.001497703	0.004261505
ENSG00000185115	NDNL2	27.23	20.95	-1.3	0.001622623	0.00448612
ENSG00000198917	C9orf114	83.08	63.9	-1.3	0.00712288	0.012890818
ENSG00000213516	RBMXL1	30.86	23.67	-1.3	0.009236882	0.015694003
ENSG00000214973	CHCHD3P3	76.85	59.14	-1.3	0.005803926	0.011140499
ENSG00000230979	AC079250.1	34.59	26.7	-1.3	0.001597066	0.004444801
ENSG00000241547	ACTG1P20	61.46	47.15	-1.3	0.013915223	0.021575587
ENSG00000259461	ANP32BP3	40.91	31.5	-1.3	0.006914192	0.012630786
ENSG00000263266	RPS7P1	931.78	716.93	-1.3	0.002057362	0.005268285
ENSG00000038274	MAT2B	59.02	45.79	-1.29	0.000187764	0.001277318
ENSG00000081870	HSPB11	104.07	80.49	-1.29	0.002788613	0.00656197
ENSG00000089094	KDM2B	24.5	18.92	-1.29	0.003305897	0.007438903

ENSG00000096063	SRPK1	38.37	29.68	-1.29	0.000665492	0.002605104
ENSG00000100065	CARD10	31.38	24.35	-1.29	0.027090053	0.037439564
ENSG00000104976	SNAPC2	40.04	30.97	-1.29	0.009253813	0.015710585
ENSG00000106799	TGFBR1	94.49	73.13	-1.29	0.014510707	0.022315968
ENSG00000108518	PFN1	1329.08	1028.77	-1.29	0.006336838	0.011864374
ENSG00000111605	CPSF6	67.94	52.74	-1.29	0.005210607	0.010315666
ENSG00000112237	CCNC	54.88	42.68	-1.29	0.023098143	0.03271679
ENSG00000113360	DROSHA	98.32	76.23	-1.29	0.007291722	0.013092057
ENSG00000113648	H2AFY	152.94	118.2	-1.29	0.000482681	0.002152596
ENSG00000115947	ORC4	63.98	49.66	-1.29	0.007183114	0.012955948
ENSG00000119523	ALG2	57.56	44.59	-1.29	0.001464129	0.004204531
ENSG00000119787	ATL2	77.01	59.47	-1.29	0.004474693	0.009249066
ENSG00000125901	MRPS26	38.22	29.56	-1.29	0.013086083	0.020528836
ENSG00000139726	DENR	63.94	49.59	-1.29	0.000208596	0.001338303
ENSG00000139746	RBM26	52.72	40.84	-1.29	0.001828676	0.004858792
ENSG00000146223	RPL7L1	85.64	66.29	-1.29	0.000185829	0.001268567
ENSG00000146731	CCT6A	471.25	365.88	-1.29	0.007237824	0.013019202
ENSG00000149136	SSRP1	204.09	157.92	-1.29	5.39E-05	0.000702266
ENSG00000162614	NEXN	48.39	37.58	-1.29	0.001407954	0.00410554
ENSG00000163479	SSR2	592.68	460.38	-1.29	9.27E-07	0.000228911
ENSG00000164758	MED30	33.65	26.13	-1.29	0.00199405	0.005144039
ENSG00000165912	PACSIN3	36.54	28.26	-1.29	0.018729104	0.027532582
ENSG00000166741	NNMT	590.3	456.39	-1.29	0.000195762	0.001294191
ENSG00000168411	RFWD3	49.04	38.14	-1.29	0.002557053	0.006155401
ENSG00000171208	NETO2	83.23	64.72	-1.29	0.000765797	0.002815443
ENSG00000172292	CERS6	36.77	28.53	-1.29	0.003664352	0.008020814
ENSG00000177302	TOP3A	24.3	18.82	-1.29	0.00808809	0.014174247
ENSG00000179041	RRS1	54.2	41.87	-1.29	0.000295208	0.001625189

ENSG00000182004	SNRPE	157.44	121.98	-1.29	0.006823543	0.012511963
ENSG00000189403	HMGB1	115.9	90.17	-1.29	0.007271918	0.013072509
ENSG00000198824	CHAMP1	30.83	23.85	-1.29	0.00090093	0.003102204
ENSG00000214612	RPS19P1	289.15	223.92	-1.29	0.001733117	0.004679096
ENSG00000215021	PHB2	270.11	209.71	-1.29	0.001421855	0.00412352
ENSG00000216490	IFI30	25.87	20.11	-1.29	0.005797578	0.011140499
ENSG00000231205	ZNF826P	25.68	19.93	-1.29	0.003544454	0.007828504
ENSG00000232727	YWHAEP1	36.99	28.62	-1.29	0.007803156	0.013799067
ENSG00000240972	MIF	621.53	481.26	-1.29	0.014211271	0.021953344
ENSG00000241741	RPL7AP30	91.4	70.69	-1.29	0.000559401	0.002321259
ENSG00000250896	RNPS1P1	38.52	29.88	-1.29	0.004315662	0.00902818
ENSG00000259790	ANP32BP1	36.74	28.47	-1.29	0.005913488	0.011273307
ENSG00000267422	CTD-2554C21.1	45.65	35.52	-1.29	0.001166696	0.003646859
ENSG00000280789	PAGR1	32.83	25.42	-1.29	0.019313603	0.028229054
ENSG00000005100	DHX33	23.51	18.43	-1.28	0.004021277	0.00856237
ENSG00000006015	C19orf60	28.49	22.29	-1.28	0.030993803	0.041944994
ENSG00000011304	PTBP1	284.79	222.53	-1.28	0.002092316	0.00534379
ENSG00000078369	GNB1	384.04	299.74	-1.28	0.000214962	0.001361273
ENSG00000078674	PCM1	123.41	96.59	-1.28	0.018909279	0.027727935
ENSG00000091483	FH	64.29	50.39	-1.28	0.020608442	0.029798717
ENSG00000100422	CERK	42.02	32.95	-1.28	0.011844592	0.019013602
ENSG00000100968	NFATC4	42.15	33.05	-1.28	0.000428057	0.002009711
ENSG00000105048	TNNT1	723.04	564.43	-1.28	0.000338906	0.001743287
ENSG00000111530	CAND1	112.72	87.8	-1.28	0.005197512	0.010296694
ENSG00000115159	GPD2	64.8	50.76	-1.28	0.007551339	0.013470391
ENSG00000117481	NSUN4	26.07	20.37	-1.28	0.000206526	0.001327925
ENSG00000119402	FBXW2	78.64	61.55	-1.28	0.000255714	0.001490561
ENSG00000123975	CKS2	233.12	181.45	-1.28	0.002743183	0.006478463

ENSG00000125755	SYMPK	85.42	66.49	-1.28	0.009177133	0.015633355
ENSG00000129911	KLF16	25.87	20.17	-1.28	0.010514349	0.017328876
ENSG00000134072	CAMK1	28.03	21.92	-1.28	0.003202511	0.007270431
ENSG00000134262	AP4B1	45.09	35.36	-1.28	0.013610837	0.021153976
ENSG00000135914	HTR2B	129.74	101.64	-1.28	0.002617091	0.006243539
ENSG00000136861	CDK5RAP2	48.23	37.67	-1.28	0.000152302	0.001152952
ENSG00000140307	GTF2A2	112.46	88.17	-1.28	0.005568332	0.010822903
ENSG00000144713	RPL32	898.12	700.58	-1.28	0.00032519	0.001711177
ENSG00000148153	INIP	37.19	29.12	-1.28	0.029249089	0.039924734
ENSG00000152193	RNF219	23.47	18.36	-1.28	0.00159397	0.0044404
ENSG00000154978	VOPP1	45.39	35.52	-1.28	5.79E-05	0.000720277
ENSG00000160867	FGFR4	114.94	89.55	-1.28	0.002021891	0.005197257
ENSG00000163882	POLR2H	108.33	84.37	-1.28	0.001351439	0.004004466
ENSG00000165716	FAM69B	34.06	26.51	-1.28	0.004608218	0.009439534
ENSG00000166226	CCT2	381.84	297.22	-1.28	0.000721266	0.002739317
ENSG00000166747	AP1G1	68.99	53.82	-1.28	0.0032934	0.007426065
ENSG00000170759	KIF5B	112.68	87.85	-1.28	0.000819527	0.00291722
ENSG00000177426	TGIF1	123.25	95.94	-1.28	0.001218696	0.003753702
ENSG00000177855	CACYBPP2	113.46	88.87	-1.28	0.002887655	0.006722195
ENSG00000182054	IDH2	82.61	64.73	-1.28	0.000762897	0.002813905
ENSG00000182872	RBM10	32.41	25.31	-1.28	0.00092762	0.003169534
ENSG00000184634	MED12	36.96	28.96	-1.28	0.004746036	0.009626689
ENSG00000185104	FAF1	119.46	93.46	-1.28	0.00022917	0.001398391
ENSG00000187837	HIST1H1C	75.22	58.92	-1.28	8.67E-05	0.000890316
ENSG00000198406	BZW1P2	194.81	151.85	-1.28	0.001093666	0.003496869
ENSG00000225568	RP11-384B12.3	30.46	23.76	-1.28	0.012808933	0.020207583
ENSG00000227097	RPS28P7	1215.54	946.99	-1.28	0.003673126	0.008033615
ENSG00000234127	TRIM26	37.86	29.47	-1.28	0.000288707	0.001598655

ENSG00000235173	HGH1	23.73	18.57	-1.28	0.003302663	0.007437332
ENSG00000235508	RPS2P7	49.89	39.01	-1.28	0.005413234	0.010587374
ENSG00000235912	RP1-159A19.3	654.28	510.11	-1.28	0.01788324	0.026454924
ENSG00000236530	AC097711.1	24.6	19.26	-1.28	0.002505078	0.00606264
ENSG00000241007	SEPT7P6	40.03	31.19	-1.28	0.000312955	0.001680559
ENSG00000242071	RPL7AP6	474.73	371.11	-1.28	0.011879444	0.019059114
ENSG00000249353	NPM1P27	661.66	518.2	-1.28	0.000176629	0.001238064
ENSG00000258890	CEP95	37.33	29.12	-1.28	0.032403602	0.04348163
ENSG00000015171	ZMYND11	30.47	23.9	-1.27	0.002163887	0.005464699
ENSG00000028310	BRD9	31.4	24.77	-1.27	0.006877174	0.012590617
ENSG00000074071	MRPS34	205.7	162.34	-1.27	0.001061851	0.003439222
ENSG00000079134	THOC1	52.31	41.31	-1.27	0.002740578	0.00647753
ENSG00000100075	SLC25A1	48.67	38.38	-1.27	0.004200563	0.008838214
ENSG00000100258	LMF2	44.33	34.97	-1.27	0.001383827	0.00405738
ENSG00000103005	USB1	67.68	53.21	-1.27	0.002424134	0.005916962
ENSG00000105821	DNAJC2	97.74	77.07	-1.27	0.000364165	0.00181888
ENSG00000106683	LIMK1	90.5	71.03	-1.27	0.004804288	0.009717953
ENSG00000107929	LARP4B	32.71	25.71	-1.27	0.001577754	0.004409889
ENSG00000110321	EIF4G2	2110.6	1659.48	-1.27	0.006434272	0.012000817
ENSG00000114251	WNT5A	43.22	33.91	-1.27	0.021980306	0.031429534
ENSG00000114857	NKTR	24.78	19.57	-1.27	0.032091792	0.043152091
ENSG00000115053	NCL	2697.44	2125.9	-1.27	6.77E-05	0.000783618
ENSG00000119013	NDUFB3	267.41	210.9	-1.27	0.000257707	0.001499198
ENSG00000121390	PSPC1	92.3	72.95	-1.27	3.29E-05	0.00055912
ENSG00000125354	6-Sep	54.72	43.21	-1.27	0.005570645	0.010823811
ENSG00000126653	NSRP1	29.59	23.35	-1.27	2.30E-05	0.000489245
ENSG00000126746	ZNF384	79.58	62.58	-1.27	0.001815636	0.004832906
ENSG00000128951	DUT	24.88	19.54	-1.27	0.013615603	0.021155775

ENSG00000132300	PTCD3	101.15	79.44	-1.27	0.000989643	0.003291268
ENSG00000132424	PNISR	56.59	44.61	-1.27	0.000158185	0.00117312
ENSG00000134186	PRPF38B	68.97	54.28	-1.27	0.00013695	0.001101612
ENSG00000135372	NAT10	36.21	28.48	-1.27	0.001344136	0.003991457
ENSG00000137831	UACA	86.22	68	-1.27	0.00725029	0.013037626
ENSG00000141499	WRAP53	26.82	21.13	-1.27	0.028864056	0.039491093
ENSG00000144048	DUSP11	45.98	36.11	-1.27	0.001556382	0.004373082
ENSG00000148303	RPL7A	1145.74	904.69	-1.27	0.00342783	0.00761887
ENSG00000154473	BUB3	210.11	165.31	-1.27	0.001399287	0.004094522
ENSG00000155368	DBI	480.07	378.57	-1.27	0.000189471	0.001281934
ENSG00000159128	IFNGR2	33.8	26.59	-1.27	0.006769942	0.012429224
ENSG00000162521	RBBP4	284.01	224.33	-1.27	0.000536312	0.002265801
ENSG00000167685	ZNF444	39.61	31.28	-1.27	0.004197475	0.00883806
ENSG00000170779	CDCA4	45.63	35.83	-1.27	0.000465955	0.002106679
ENSG00000179314	WSCD1	47.36	37.26	-1.27	0.001042833	0.00340337
ENSG00000182149	IST1	153.32	120.71	-1.27	0.00431819	0.00902818
ENSG00000187147	RNF220	61.12	48.08	-1.27	0.00131828	0.003944077
ENSG00000189306	RRP7A	49.05	38.56	-1.27	0.012328604	0.019655777
ENSG00000197114	ZGPAT	35.02	27.47	-1.27	0.018094135	0.026699549
ENSG00000205664	RP11-706O15.1	36.73	28.91	-1.27	0.010675346	0.017539992
ENSG00000213551	DNAJC9	39.45	30.95	-1.27	0.000757957	0.002809521
ENSG00000214535	RPS15AP1	149.23	117.52	-1.27	0.001282439	0.00387909
ENSG00000225422	RBMS1P1	71.55	56.2	-1.27	0.005625146	0.010918854
ENSG00000234354	RPS26P47	75.42	59.38	-1.27	0.006150444	0.011604313
ENSG00000244226	ILF2P1	36.59	28.92	-1.27	0.002911799	0.006763944
ENSG00000244687	UBE2V1	227.45	178.62	-1.27	2.10E-05	0.00046931
ENSG00000259051	HNRNPUP1	146.11	114.77	-1.27	0.004462696	0.009237291
ENSG00000259917	HNRNPLP2	90.97	71.68	-1.27	0.00049132	0.002164615

ENSG00000011295	TTC19	25.1	19.91	-1.26	0.001021867	0.003372104
ENSG00000023909	GCLM	73.99	58.77	-1.26	0.0264695	0.036694361
ENSG00000069998	CECR5	60.65	48.29	-1.26	0.004650419	0.009494663
ENSG00000071564	TCF3	249.01	196.93	-1.26	0.00167244	0.004546681
ENSG00000075131	TIPIN	47.09	37.25	-1.26	0.003759079	0.008167187
ENSG00000075426	FOSL2	45.83	36.23	-1.26	0.004375637	0.009111767
ENSG00000101546	RBFA	28.41	22.5	-1.26	3.82E-05	0.000587629
ENSG00000105372	RPS19	2168.52	1724.86	-1.26	0.008531408	0.014823163
ENSG00000108384	RAD51C	69.89	55.39	-1.26	0.005504352	0.010723578
ENSG00000108443	RPS6KB1	43.7	34.7	-1.26	0.036099007	0.04753752
ENSG00000109118	PHF12	64.21	50.96	-1.26	6.77E-05	0.000783618
ENSG00000113649	TCERG1	69.5	55.02	-1.26	0.035276124	0.046635254
ENSG00000115268	RPS15	705.87	561.02	-1.26	0.016876787	0.025194877
ENSG00000126457	PRMT1	269.03	214.11	-1.26	0.001787668	0.004775802
ENSG00000127824	TUBA4A	508.39	403.64	-1.26	0.009442897	0.015999175
ENSG00000127884	ECHS1	139.07	110.5	-1.26	0.00122107	0.003754773
ENSG00000130305	NSUN5	48.45	38.44	-1.26	0.001268342	0.003851661
ENSG00000131089	ARHGEF9	26.18	20.75	-1.26	0.015511075	0.023539582
ENSG00000134871	COL4A2	465.93	370.97	-1.26	0.000814851	0.002906501
ENSG00000137713	PPP2R1B	39.5	31.41	-1.26	0.000463485	0.002101991
ENSG00000137814	HAUS2	32.36	25.62	-1.26	0.011181119	0.018145494
ENSG00000139044	B4GALNT3	28.86	22.93	-1.26	0.00568133	0.010995154
ENSG00000139697	SBNO1	30.76	24.34	-1.26	0.003558866	0.007854419
ENSG00000140937	CDH11	92.95	73.8	-1.26	0.009249667	0.015708094
ENSG00000141543	EIF4A3	213.28	169.82	-1.26	0.007925923	0.013978229
ENSG00000143384	MCL1	157.25	124.57	-1.26	0.00143264	0.004141202
ENSG00000144381	HSPD1	930.72	741.04	-1.26	0.000209674	0.001339357
ENSG00000154370	TRIM11	29.92	23.79	-1.26	0.001874839	0.004941775

ENSG00000158411	MITD1	61.61	48.98	-1.26	0.003160662	0.007197717
ENSG00000158941	CCAR2	278.77	221.93	-1.26	0.00687618	0.012590617
ENSG00000159079	C21orf59	50.53	40.15	-1.26	0.000557619	0.002317174
ENSG00000159263	SIM2	24.12	19.09	-1.26	0.000944592	0.003203637
ENSG00000161970	RPL26	892.98	710	-1.26	0.003151599	0.007189183
ENSG00000164087	POC1A	26.9	21.28	-1.26	0.002381801	0.005851249
ENSG00000173273	TNKS	25.62	20.35	-1.26	0.021670113	0.031061731
ENSG00000175931	UBE2O	48.36	38.36	-1.26	0.003451677	0.007664004
ENSG00000176973	FAM89B	45.35	36.13	-1.26	0.004405512	0.009157717
ENSG00000187109	NAP1L1	449.85	355.76	-1.26	0.007150636	0.012921827
ENSG00000196227	FAM217B	34.34	27.24	-1.26	0.010839089	0.017739442
ENSG00000198563	DDX39B	632.83	504.02	-1.26	0.000535668	0.002264713
ENSG00000205937	RNPS1	175.08	138.51	-1.26	0.00104161	0.003402785
ENSG00000213443	RP11-75L1.2	55.4	43.91	-1.26	0.000742745	0.002781934
ENSG00000214019	RP6-218J18.2	26.33	20.85	-1.26	0.010986318	0.017905439
ENSG00000227008	RP3-417G15.1	392.87	312.66	-1.26	0.01723127	0.025658753
ENSG00000228002	DHX9P1	26.67	21.15	-1.26	0.005012056	0.010020484
ENSG00000232573	RPL3P4	1804.39	1429.31	-1.26	0.00023341	0.001412505
ENSG00000234145	NAP1L4P3	31.55	25.04	-1.26	0.028696166	0.039291777
ENSG00000235655	H3F3AP4	337.35	267.29	-1.26	7.88E-05	0.000848252
ENSG00000242259	C22orf39	27.92	22.14	-1.26	0.015645474	0.023694488
ENSG00000257576	RP11-153M3.1	48.75	38.83	-1.26	0.007720995	0.013690933
ENSG00000269028	MTRNR2L12	292.34	231.49	-1.26	0.019346603	0.028270241
ENSG00000271936	RP11-443B20.1	25.23	20.09	-1.26	0.003376049	0.007544645
ENSG00000001497	LAS1L	41.99	33.68	-1.25	0.022773437	0.032358477
ENSG00000070047	PHRF1	24.99	19.94	-1.25	0.003765213	0.008174458
ENSG00000070423	RNF126	53.96	43.31	-1.25	0.010589666	0.017418739
ENSG00000071894	CPSF1	96.11	76.96	-1.25	0.027687448	0.038121435



ENSG00000073050	XRCC1	70.2	56.07	-1.25	0.001082848	0.003486997
ENSG00000089048	ESF1	28.39	22.66	-1.25	0.00206825	0.005291544
ENSG00000095485	CWF19L1	33.01	26.5	-1.25	0.011702054	0.018831186
ENSG00000100320	RBFOX2	124.22	99.53	-1.25	0.000500522	0.002181919
ENSG00000103769	RAB11A	236.55	189.51	-1.25	0.003841752	0.008282366
ENSG00000106723	SPIN1	88.39	70.85	-1.25	0.003538094	0.007820349
ENSG00000109536	FRG1	26.69	21.37	-1.25	0.009891934	0.016611197
ENSG00000117308	GALE	67.31	53.65	-1.25	0.003249825	0.007355066
ENSG00000117335	CD46	86.72	69.59	-1.25	0.007057782	0.012805331
ENSG00000121644	DESI2	33.35	26.76	-1.25	0.001940128	0.005044683
ENSG00000122565	CBX3	234.99	187.4	-1.25	0.00039442	0.001917812
ENSG00000124006	OBSL1	109.11	87.01	-1.25	0.002119834	0.005388257
ENSG00000125630	POLR1B	35.54	28.51	-1.25	0.004613524	0.009439534
ENSG00000126261	UBA2	139.46	111.23	-1.25	0.00077558	0.002831883
ENSG00000129474	AJUBA	28.72	23.03	-1.25	0.007902882	0.013945982
ENSG00000130939	UBE4B	35.58	28.41	-1.25	0.000898851	0.003098053
ENSG00000138794	CASP6	59.43	47.58	-1.25	0.031783932	0.042827501
ENSG00000143258	USP21	39.9	32	-1.25	0.004428969	0.0091905
ENSG00000143390	RFX5	57.29	45.83	-1.25	0.002214087	0.005560346
ENSG00000147403	RPL10	1075.98	861.15	-1.25	0.012118879	0.019395499
ENSG00000147526	TACC1	46.48	37.04	-1.25	0.036114055	0.047546658
ENSG00000150753	CCT5	448.2	357.22	-1.25	0.000382325	0.001874545
ENSG00000161016	RPL8	4378.5	3500.48	-1.25	0.000987604	0.003291268
ENSG00000164985	PSIP1	42.5	33.95	-1.25	0.000194921	0.001293075
ENSG00000168393	DTYMK	197.46	157.62	-1.25	5.10E-05	0.000682357
ENSG00000169105	CHST14	29.23	23.46	-1.25	0.001154866	0.003623399
ENSG00000173473	SMARCC1	76.51	61.43	-1.25	0.002115992	0.005386145
ENSG00000178464	CTD-2192J16.15	441.17	352.09	-1.25	0.033562704	0.044740099

ENSG00000182196	ARL6IP4	124.27	99.37	-1.25	0.004890488	0.009831273
ENSG00000182481	KPNA2	364.61	292.48	-1.25	0.000159194	0.00117312
ENSG00000184164	CRELD2	39.5	31.67	-1.25	0.007459091	0.013347607
ENSG00000197958	RPL12	1171.51	940.21	-1.25	0.000518936	0.002222474
ENSG00000198755	RPL10A	527.9	423.09	-1.25	0.004019105	0.00856237
ENSG00000198840	MT-ND3	6990.48	5571.78	-1.25	0.003076268	0.007071438
ENSG00000213430	HSPD1P1	101.71	81.66	-1.25	0.00718507	0.012955948
ENSG00000213609	RP11-170M17.2	69.89	55.87	-1.25	0.010418792	0.017212498
ENSG00000228887	EEF1DP1	58.09	46.55	-1.25	6.13E-05	0.000747068
ENSG00000232677	LINC00665	40.54	32.51	-1.25	0.002016326	0.005188125
ENSG00000233225	AC004987.9	45.51	36.33	-1.25	0.010103524	0.016845264
ENSG00000233927	RPS28	25.44	20.33	-1.25	0.001636677	0.004499518
ENSG00000243445	RP11-715J22.1	155.11	123.79	-1.25	0.016266132	0.02442002
ENSG00000256222	MTRNR2L3	90.24	71.94	-1.25	0.006714223	0.012385091
ENSG00000275700	AATF	36.74	29.36	-1.25	0.034356081	0.045611062
ENSG00000007047	MARK4	30.74	24.86	-1.24	0.036761812	0.048267667
ENSG00000010803	SCMH1	47.93	38.68	-1.24	0.026864041	0.037179783
ENSG00000066044	ELAVL1	145.44	117.57	-1.24	0.000487607	0.002154729
ENSG00000076928	ARHGEF1	66.09	53.33	-1.24	0.005261571	0.010392002
ENSG00000078399	HOXA9	82.1	65.98	-1.24	0.000241693	0.001437413
ENSG00000083312	TNPO1	123.34	99.49	-1.24	0.010265687	0.017019505
ENSG00000104320	NBN	42.78	34.37	-1.24	0.007901314	0.013945982
ENSG00000105135	ILVBL	51.91	41.72	-1.24	0.018482	0.0271966
ENSG00000108107	RPL28	1085.05	875.67	-1.24	0.004017647	0.00856237
ENSG00000112242	E2F3	26.96	21.78	-1.24	3.73E-05	0.000586126
ENSG00000114520	SNX4	45.88	37	-1.24	0.021499165	0.030877076
ENSG00000115484	CCT4	412.56	333.1	-1.24	0.000307113	0.001661358
ENSG00000115486	GCX	102.8	83.14	-1.24	0.006910905	0.012630786

ENSG00000115816	CEBPZ	105.14	84.61	-1.24	0.001036551	0.003393823
ENSG00000116213	WRAP73	30.68	24.69	-1.24	0.002567417	0.006172286
ENSG00000117410	ATP6V0B	285.87	230.78	-1.24	0.003887848	0.008369435
ENSG00000120705	ETF1	130.32	104.92	-1.24	0.002324534	0.005753932
ENSG00000128602	SMO	31.35	25.37	-1.24	0.000334062	0.001733574
ENSG00000130702	LAMA5	66.54	53.59	-1.24	0.003914715	0.008403802
ENSG00000135829	DHX9	245.02	198.01	-1.24	0.001270984	0.003855689
ENSG00000135862	LAMC1	465.8	376.51	-1.24	0.001481493	0.004241748
ENSG00000137309	HMGA1	353.11	285.35	-1.24	0.001308671	0.00393339
ENSG00000137815	RTF1	40.1	32.45	-1.24	0.031467968	0.04248864
ENSG00000143621	ILF2	620.28	500.11	-1.24	0.001123846	0.003556866
ENSG00000144355	DLX1	35.88	28.87	-1.24	0.001553652	0.004367504
ENSG00000146677	AC004453.8	563.36	453.42	-1.24	0.001721372	0.004660261
ENSG00000147601	TERF1	27.72	22.35	-1.24	0.008503148	0.014782823
ENSG00000152558	TMEM123	308.78	249.13	-1.24	0.007589339	0.01351059
ENSG00000160049	DFFA	50.72	40.96	-1.24	0.0034613	0.007679556
ENSG00000162385	MAGOH	161.3	130.6	-1.24	0.003420872	0.007611803
ENSG00000163516	ANKZF1	46.55	37.65	-1.24	0.001573495	0.004402182
ENSG00000163811	WDR43	72.12	58.12	-1.24	0.03400818	0.045241372
ENSG00000167306	MYO5B	29.3	23.72	-1.24	0.000396393	0.001922619
ENSG00000167526	RPL13	751.83	604.08	-1.24	0.006443243	0.01200991
ENSG00000169710	FASN	301.14	242.98	-1.24	0.013075432	0.020517617
ENSG00000171793	CTPS1	75.26	60.66	-1.24	0.000600287	0.002417639
ENSG00000176454	LPCAT4	85.74	69.29	-1.24	0.008652519	0.01498037
ENSG00000176909	MAMSTR	28.15	22.79	-1.24	0.002468774	0.006004518
ENSG00000178860	MSC	195.9	157.88	-1.24	0.015618672	0.023666122
ENSG00000180209	MYLPF	263.66	211.99	-1.24	0.002638661	0.006284772
ENSG00000181163	NPM1	1474.37	1191.79	-1.24	0.000268629	0.001534099

ENSG00000203875	SNHG5	438.44	353.18	-1.24	0.00212171	0.005388354
ENSG00000214192	UBE2V1P2	85.6	69.01	-1.24	0.010536248	0.017350339
ENSG00000217555	CKLF	85.16	68.65	-1.24	0.000807289	0.002886551
ENSG00000220472	RP11-69L16.5	202.12	163.39	-1.24	0.002601576	0.006224251
ENSG00000225259	ST13P6	33.1	26.68	-1.24	0.00104532	0.003407313
ENSG00000234009	RPL5P34	84.77	68.17	-1.24	0.002620372	0.006248825
ENSG00000240950	RP11-372E1.1	89.97	72.32	-1.24	0.005002281	0.010006751
ENSG00000249855	EEF1A1P19	26.96	21.75	-1.24	0.029170133	0.039844784
ENSG00000250526	CCT6P2	60.03	48.39	-1.24	0.003727812	0.008126353
ENSG00000253293	HOXA10	41.17	33.31	-1.24	0.007489316	0.013381276
ENSG00000258427	RBM8B	169.5	136.25	-1.24	0.001458011	0.004189298
ENSG00000005156	LIG3	29.36	23.85	-1.23	0.016226053	0.024372329
ENSG00000069482	GAL	40.75	33.21	-1.23	0.005991291	0.011378947
ENSG00000076003	MCM6	107.99	87.98	-1.23	0.004381873	0.009121514
ENSG00000088367	EPB41L1	33.08	26.88	-1.23	0.006891595	0.012609146
ENSG00000104529	EEF1D	879.71	717.03	-1.23	0.009114709	0.015573617
ENSG00000104824	HNRNPL	420.79	341.34	-1.23	0.008786053	0.015143374
ENSG00000104897	SF3A2	91.81	74.5	-1.23	0.020327753	0.029476246
ENSG00000105053	VRK3	48.5	39.55	-1.23	0.011502042	0.01853985
ENSG00000105173	CCNE1	36.18	29.37	-1.23	3.82E-05	0.000587629
ENSG00000111011	RSRC2	104.46	84.61	-1.23	0.000359173	0.001807889
ENSG00000112592	TBP	34.82	28.3	-1.23	0.024540447	0.034418842
ENSG00000114978	MOB1A	98.73	80.38	-1.23	0.018026577	0.026640082
ENSG00000115461	IGFBP5	35.43	28.75	-1.23	0.007177333	0.012955948
ENSG00000115568	ZNF142	35.24	28.68	-1.23	0.006746811	0.012409923
ENSG00000116754	SRSF11	221.66	180.42	-1.23	0.004814735	0.009725666
ENSG00000119446	RBM18	62.34	50.5	-1.23	0.000952648	0.003216078
ENSG00000120438	TCP1	508.56	412.27	-1.23	0.00077512	0.002831883

ENSG00000122257	RBBP6	31.46	25.57	-1.23	0.006190672	0.011657708
ENSG00000131711	MAP1B	56.99	46.39	-1.23	0.03058459	0.041458169
ENSG00000132382	MYBBP1A	78.36	63.92	-1.23	0.000707488	0.002702741
ENSG00000134419	RPS15A	1023.41	829.15	-1.23	0.002545453	0.006137137
ENSG00000135521	LTV1	42.95	34.8	-1.23	0.00145811	0.004189298
ENSG00000136940	PDCL	33.79	27.54	-1.23	2.66E-05	0.000519138
ENSG00000137404	NRM	44.85	36.36	-1.23	0.000484897	0.002152596
ENSG00000138074	SLC5A6	115.55	93.74	-1.23	0.002348207	0.005795407
ENSG00000139722	VPS37B	41.26	33.51	-1.23	0.000429718	0.002012672
ENSG00000141428	C18orf21	27.05	22	-1.23	0.012341844	0.019655777
ENSG00000143207	RFWD2	54.58	44.53	-1.23	0.012575058	0.019929768
ENSG00000143815	LBR	62.64	50.86	-1.23	0.02963247	0.040344743
ENSG00000145220	LYAR	45.83	37.17	-1.23	0.00153023	0.004324468
ENSG00000146540	C7orf50	122.71	99.86	-1.23	0.006270067	0.011769421
ENSG00000152767	FARP1	57.53	46.86	-1.23	0.004738796	0.009620088
ENSG00000155906	RMND1	59.52	48.49	-1.23	0.000959743	0.003232588
ENSG00000158796	DEDD	69.11	56.22	-1.23	0.003986737	0.008525608
ENSG00000159251	ACTC1	680.13	551.12	-1.23	0.001160209	0.003634329
ENSG00000160818	GPATCH4	106.32	86.14	-1.23	0.004085589	0.0086647
ENSG00000162714	ZNF496	32.79	26.6	-1.23	0.023015824	0.032632256
ENSG00000162729	IGSF8	37.15	30.29	-1.23	0.013052428	0.020487001
ENSG00000169230	PRELID1	77.61	62.95	-1.23	0.00367431	0.008033615
ENSG00000174775	HRAS	172.96	140.33	-1.23	0.012335662	0.019655777
ENSG00000175886	RPL7AP66	143.13	116.58	-1.23	0.00036286	0.001815537
ENSG00000179051	RCC2	137.61	111.89	-1.23	0.005666159	0.010980289
ENSG00000183808	RBM12B	29.78	24.14	-1.23	0.004120279	0.00871306
ENSG00000184470	TXNRD2	162.77	132.33	-1.23	0.012801222	0.02020629
ENSG00000185163	DDX51	33.91	27.5	-1.23	0.013912282	0.021575587

ENSG00000186468	RPS23	2227.16	1813.65	-1.23	0.036687064	0.048192863
ENSG00000214114	MYCBP	86.28	70.3	-1.23	0.004464397	0.009237553
ENSG00000226360	RPL10AP6	163.08	132.26	-1.23	0.003421677	0.007611803
ENSG00000230457	PA2G4P4	40.97	33.4	-1.23	0.004637241	0.009474837
ENSG00000230777	RP11-318C24.1	1359.52	1102.38	-1.23	0.019858862	0.028932264
ENSG00000230956	RP3-452M16.1	29.12	23.71	-1.23	0.000754369	0.002797987
ENSG00000233270	SNRPEP4	512.36	417.72	-1.23	0.022031233	0.031494673
ENSG00000236480	PKMP1	103.2	84.08	-1.23	0.001736985	0.004683072
ENSG00000236814	RP11-446E9.1	86.82	70.38	-1.23	0.002869753	0.006712498
ENSG00000250471	GMPSP1	26.99	21.99	-1.23	0.016597521	0.024828536
ENSG00000256238	RP11-473N11.2	27.59	22.45	-1.23	0.001814846	0.004832906
ENSG00000001167	NFYA	45.96	37.61	-1.22	0.002004172	0.005161381
ENSG00000074181	NOTCH3	116.54	95.36	-1.22	0.001661242	0.004528834
ENSG00000082014	SMARCD3	125.05	102.53	-1.22	0.015095463	0.023026568
ENSG00000091651	ORC6	57.56	47.22	-1.22	0.002429183	0.005925429
ENSG00000099995	SF3A1	246.48	202.47	-1.22	0.00248594	0.006032455
ENSG00000100030	MAPK1	168.01	137.77	-1.22	0.009484263	0.016041185
ENSG00000105193	RPS16	1523.39	1252.98	-1.22	0.000582495	0.002380313
ENSG00000105364	MRPL4	89.98	73.63	-1.22	0.021842038	0.031262316
ENSG00000105618	PRPF31	123.02	100.64	-1.22	0.009572362	0.016159444
ENSG00000105879	CBLL1	48.12	39.35	-1.22	0.027802689	0.038235218
ENSG00000106615	RHEB	126.72	103.86	-1.22	0.000353773	0.001793076
ENSG00000109445	ZNF330	35.88	29.49	-1.22	0.008979929	0.015397166
ENSG00000111581	NUP107	81.86	67.12	-1.22	0.018338835	0.027019831
ENSG00000113460	BRIX1	56.72	46.43	-1.22	0.011184155	0.018145494
ENSG00000115364	MRPL19	65.04	53.17	-1.22	0.000731491	0.00276383
ENSG00000116918	TSNAX	31.72	26.04	-1.22	0.013294332	0.020735915
ENSG00000117394	SLC2A1	166.62	136.63	-1.22	0.00320623	0.007273244

ENSG00000119707	RBM25	60.59	49.5	-1.22	0.001476807	0.004231184
ENSG00000120526	NUDCD1	58.54	48.06	-1.22	0.000972565	0.003262656
ENSG00000122406	RPL5	844.37	692.54	-1.22	0.001776587	0.004759207
ENSG00000122545	7-Sep	311.23	254.68	-1.22	2.59E-05	0.000514617
ENSG00000124222	STX16	43.77	35.9	-1.22	0.005853758	0.01119949
ENSG00000124422	USP22	87.78	72.21	-1.22	0.024187862	0.034013819
ENSG00000126814	TRMT5	31.36	25.67	-1.22	0.01087099	0.017781726
ENSG00000131051	RBM39	409.77	336.14	-1.22	0.002665034	0.006337291
ENSG00000132323	ILKAP	88.38	72.33	-1.22	0.000704878	0.002700493
ENSG00000133612	AGAP3	91.4	74.87	-1.22	0.010645417	0.017505532
ENSG00000135720	DYNC1LI2	121.76	99.66	-1.22	0.012884694	0.020289682
ENSG00000137970	RPL7P9	409.18	334.95	-1.22	0.0102461	0.017001452
ENSG00000138764	CCNG2	32.48	26.62	-1.22	0.020571136	0.029755585
ENSG00000141456	PELP1	61.51	50.24	-1.22	0.004850376	0.009777451
ENSG00000149294	NCAM1	81.03	66.26	-1.22	0.005731795	0.011063611
ENSG00000149554	CHEK1	52.6	43.16	-1.22	0.018966827	0.02778453
ENSG00000156531	PHF6	31.48	25.78	-1.22	0.00448613	0.009269438
ENSG00000162231	NXF1	84.79	69.4	-1.22	0.015175065	0.023125411
ENSG00000163714	U2SURP	76.64	62.59	-1.22	0.001648727	0.004514508
ENSG00000164548	TRA2A	152.83	125.09	-1.22	0.00258765	0.00620359
ENSG00000164919	COX6C	752.51	619.02	-1.22	0.011767772	0.018921365
ENSG00000165119	HNRNPK	568.56	465.6	-1.22	0.000491936	0.002164675
ENSG00000166881	NEMP1	36.91	30.17	-1.22	0.003009324	0.006947511
ENSG00000168906	MAT2A	283.35	232.76	-1.22	0.000334357	0.001733574
ENSG00000170515	PA2G4	127.28	104.41	-1.22	0.002138701	0.005418179
ENSG00000173207	CKS1B	111.22	91.33	-1.22	0.003831467	0.008274693
ENSG00000181904	C5orf24	55.36	45.28	-1.22	0.02205571	0.031521826
ENSG00000182628	SKA2	190.16	155.57	-1.22	0.027465585	0.037860411

ENSG00000184436	THAP7	40.56	33.23	-1.22	0.00469518	0.009556591
ENSG00000185728	YTHDF3	86.3	70.97	-1.22	0.008660564	0.01498215
ENSG00000197343	ZNF655	62.03	50.65	-1.22	0.007873911	0.013903225
ENSG00000197905	TEAD4	50.69	41.69	-1.22	0.000897034	0.003097883
ENSG00000198586	TLK1	38.76	31.84	-1.22	0.005333973	0.010480742
ENSG00000204196	AC011737.2	1217.49	999.57	-1.22	0.001849878	0.004899587
ENSG00000205208	C4orf46	30.99	25.48	-1.22	0.019450606	0.028386848
ENSG00000226015	CCT8P1	85.61	70.45	-1.22	0.000480461	0.002147883
ENSG00000234645	YWHAEP5	79.44	65.29	-1.22	0.016701095	0.02496437
ENSG00000237668	RPS15AP38	211.31	173.46	-1.22	0.002228116	0.005580366
ENSG00000241081	RP11-488C13.1	49.63	40.71	-1.22	0.029683286	0.040385798
ENSG00000242086	LINC00969	35.51	29.07	-1.22	0.020097232	0.029199745
ENSG00000261236	BOP1	106.25	87.41	-1.22	0.031238127	0.042209973
ENSG00000265241	RBM8A	360.14	294.12	-1.22	0.001812362	0.004828575
ENSG00000270706	PRMT1P1	38.95	31.92	-1.22	0.008914171	0.015311276
ENSG00000276256	AC011043.1	32.49	26.58	-1.22	0.000425346	0.002009711
ENSG00000005483	KMT2E	40.97	33.74	-1.21	0.015969443	0.024066266
ENSG00000011422	PLAUR	247.69	204.66	-1.21	0.012569303	0.019926033
ENSG00000035141	FAM136A	95.65	78.86	-1.21	0.00083158	0.002939956
ENSG00000039560	RAI14	79.11	65.24	-1.21	0.008076917	0.014172064
ENSG00000048162	NOP16	112.86	93.33	-1.21	0.010982317	0.017903894
ENSG00000063177	RPL18	1727.34	1422.8	-1.21	0.003831525	0.008274693
ENSG00000079462	PAFAH1B3	206.92	170.99	-1.21	0.005692833	0.011013781
ENSG00000100220	RTCB	140.13	115.8	-1.21	0.017174246	0.025612864
ENSG00000102054	RBBP7	202.68	167.28	-1.21	0.001704159	0.004617926
ENSG00000102119	EMD	92.94	76.93	-1.21	0.01164439	0.018743536
ENSG00000102921	N4BP1	41.03	33.93	-1.21	0.00065052	0.002572253
ENSG00000105443	CYTH2	73.39	60.52	-1.21	0.014908454	0.022808028



ENSG00000106603	COA1	115.48	95.29	-1.21	0.001432895	0.004141202
ENSG00000107789	MINPP1	40.18	33.26	-1.21	0.027082773	0.037438327
ENSG00000108848	LUC7L3	133.21	110.12	-1.21	0.018744341	0.027548074
ENSG00000112306	RPS12	598.31	493.71	-1.21	0.001024066	0.003374702
ENSG00000115946	PNO1	52.88	43.79	-1.21	0.000185563	0.001268227
ENSG00000117614	SYF2	76.54	63.45	-1.21	0.001569015	0.004393842
ENSG00000119408	NEK6	98.95	81.76	-1.21	0.001313954	0.003942344
ENSG00000129187	DCTD	105.14	87.05	-1.21	0.001770408	0.004748456
ENSG00000130726	TRIM28	651.32	539.6	-1.21	0.037611268	0.049186546
ENSG00000131508	UBE2D2	81.08	66.99	-1.21	0.024855363	0.034785644
ENSG00000133136	GNG5P2	213.23	176.31	-1.21	0.035910333	0.047363516
ENSG00000138326	RPS24	1171.85	967.19	-1.21	0.011871528	0.019051626
ENSG00000141198	TOM1L1	35.2	29.17	-1.21	0.0086576	0.01498215
ENSG00000141564	RPTOR	30.26	24.91	-1.21	0.001609522	0.004460147
ENSG00000141971	MVB12A	60.82	50.39	-1.21	0.002637496	0.00628455
ENSG00000144029	MRPS5	103.59	85.4	-1.21	4.82E-05	0.000659171
ENSG00000145912	NHP2	111.97	92.59	-1.21	0.0102962	0.017055626
ENSG00000148297	MED22	30.96	25.59	-1.21	0.006858404	0.012564099
ENSG00000148688	RPP30	55.09	45.4	-1.21	0.005030596	0.010046594
ENSG00000153774	CFDP1	92.45	76.14	-1.21	0.034017348	0.045243304
ENSG00000155438	NIFK	181.99	150.24	-1.21	0.01285194	0.020264527
ENSG00000159086	PAXBP1	29.99	24.7	-1.21	0.002915038	0.006767134
ENSG00000159593	NAE1	77.53	63.84	-1.21	0.016330367	0.024480136
ENSG00000160917	CPSF4	79.91	65.79	-1.21	0.002104286	0.005367349
ENSG00000162368	CMPK1	92.51	76.61	-1.21	0.012009976	0.019247471
ENSG00000163938	GNL3	111.46	91.86	-1.21	0.004776214	0.009677856
ENSG00000164032	H2AFZ	775.38	642.34	-1.21	0.00594057	0.011306557
ENSG00000164880	INTS1	69.04	57.26	-1.21	0.038146717	0.049742572

ENSG00000169221	TBC1D10B	35.86	29.67	-1.21	0.005734836	0.011065837
ENSG00000170540	ARL6IP1	168.46	139.13	-1.21	2.66E-05	0.000519138
ENSG00000183431	SF3A3	189.59	156.51	-1.21	0.010186234	0.016921839
ENSG00000184702	5-Sep	35.71	29.56	-1.21	0.024294889	0.034139584
ENSG00000185989	RASA3	36.85	30.41	-1.21	0.000706579	0.00270141
ENSG00000188313	PLSCR1	60.13	49.69	-1.21	0.003645775	0.007989098
ENSG00000188529	SRSF10	151.59	124.84	-1.21	0.010185095	0.016921839
ENSG00000188976	NOC2L	89.55	73.84	-1.21	0.005672634	0.010983114
ENSG00000188986	NELFB	53.93	44.47	-1.21	0.001603084	0.004450986
ENSG00000189266	PNRC2	43.01	35.53	-1.21	0.003543678	0.007828504
ENSG00000198467	TPM2	900.74	745.71	-1.21	0.0006988	0.002692353
ENSG00000205220	PSMB10	37.81	31.14	-1.21	0.005875752	0.011226918
ENSG00000213178	RP11-641D5.1	749.94	618.33	-1.21	0.001521862	0.004307047
ENSG00000225369	AC009506.2	71	58.53	-1.21	0.003990364	0.008527462
ENSG00000225573	RPL35P5	355.72	292.98	-1.21	0.021649221	0.031046964
ENSG00000227615	RP11-864N7.2	733.5	608.62	-1.21	0.001845431	0.004894441
ENSG00000232176	RP11-146N23.1	33.69	27.91	-1.21	0.015336623	0.023335225
ENSG00000233762	AC007969.5	365.11	300.96	-1.21	0.025072227	0.035038975
ENSG00000235587	GAPDHP65	92.77	76.63	-1.21	0.033158703	0.044332566
ENSG00000237214	RP11-12M9.3	83.82	69.28	-1.21	0.004600491	0.009429317
ENSG00000242358	RPS21P4	291.99	240.62	-1.21	0.032005044	0.043055191
ENSG00000243547	HNRNPKP4	144.08	119.42	-1.21	0.001971144	0.005100966
ENSG00000253506	NACA2	47.3	39.06	-1.21	0.016331223	0.024480136
ENSG00000001631	KRIT1	72.15	60.22	-1.2	0.002401835	0.005883192
ENSG00000006712	PAF1	103.28	86.07	-1.2	0.003596809	0.007911361
ENSG00000038427	VCAN	111.39	92.74	-1.2	0.012023096	0.019263234
ENSG00000055208	TAB2	34.09	28.32	-1.2	0.0063977	0.011951613
ENSG00000067225	PKM	2077.57	1727.03	-1.2	0.003530797	0.007807161

ENSG00000097021	ACOT7	79.09	66.03	-1.2	0.012908349	0.020320687
ENSG00000100304	TLL12	45.93	38.29	-1.2	0.001729833	0.004674536
ENSG00000104549	SQLE	76.81	64.23	-1.2	0.014010517	0.021694592
ENSG00000106268	NUDT1	89.25	74.28	-1.2	0.020344255	0.029492883
ENSG00000106554	CHCHD3	248.1	206.46	-1.2	0.006165793	0.01161832
ENSG00000107371	EXOSC3	108.09	89.88	-1.2	0.00576704	0.011113349
ENSG00000107672	NSMCE4A	70.67	59.08	-1.2	0.022958416	0.032581837
ENSG00000108064	TFAM	47.07	39.38	-1.2	0.004421464	0.009181113
ENSG00000115241	PPM1G	196.65	163.48	-1.2	0.004497469	0.009276525
ENSG00000115317	HTRA2	85.37	71.24	-1.2	0.001034803	0.003390642
ENSG00000115758	ODC1	180.55	149.84	-1.2	0.000818936	0.00291722
ENSG00000116285	ERRFI1	197.11	164.19	-1.2	0.000535047	0.002264713
ENSG00000116698	SMG7	47.82	39.88	-1.2	0.006800811	0.01248199
ENSG00000118246	FASTKD2	52.72	43.86	-1.2	0.000928591	0.003169534
ENSG00000119718	EIF2B2	124.45	103.58	-1.2	0.000515917	0.002214742
ENSG00000120053	GOT1	83.01	69.22	-1.2	0.012003826	0.019242875
ENSG00000125817	CENPB	43.68	36.26	-1.2	0.009595397	0.016192061
ENSG00000129351	ILF3	370.15	308.76	-1.2	0.000161922	0.001183928
ENSG00000130826	DKC1	87.76	73.38	-1.2	0.037129538	0.048654214
ENSG00000136699	SMPD4	132.72	110.79	-1.2	0.003022144	0.006971619
ENSG00000141644	MBD1	65.81	54.97	-1.2	0.003778499	0.008195252
ENSG00000145050	MANF	284.79	238.15	-1.2	0.004493454	0.00927587
ENSG00000146676	PURB	38.32	31.82	-1.2	0.010976332	0.017899114
ENSG00000148399	DPH7	72.54	60.43	-1.2	0.020792135	0.02999387
ENSG00000150275	PCDH15	30.5	25.48	-1.2	0.015835968	0.023908887
ENSG00000151468	CCDC3	35.45	29.6	-1.2	0.004067142	0.008634946
ENSG00000156261	CCT8	299.49	249.22	-1.2	0.000396029	0.001922448
ENSG00000164402	8-Sep	38.09	31.61	-1.2	0.005074532	0.010097406

ENSG00000164683	HEY1	208.05	172.89	-1.2	0.000145163	0.001125972
ENSG00000168137	SETD5	95.75	79.58	-1.2	0.009479264	0.01603923
ENSG00000168259	DNAJC7	226.92	188.84	-1.2	0.02314921	0.032773291
ENSG00000169515	CCDC8	40.03	33.43	-1.2	0.002353283	0.005805018
ENSG00000171861	RNMTL1	36.71	30.65	-1.2	0.036711889	0.048214674
ENSG00000172164	SNTB1	51.29	42.8	-1.2	0.003895648	0.008380073
ENSG00000172809	RPL38	793.06	660.35	-1.2	0.000662206	0.002597443
ENSG00000182492	BGN	132.02	110.2	-1.2	0.003296011	0.007428059
ENSG00000183258	DDX41	42.51	35.52	-1.2	0.015340904	0.023335684
ENSG00000185298	CCDC137	56	46.73	-1.2	0.010544394	0.017358878
ENSG00000198034	RPS4X	617.36	514.55	-1.2	0.000303983	0.001648986
ENSG00000203791	METTL10	33.33	27.78	-1.2	0.017251456	0.025677759
ENSG00000213300	HNRNPA3P6	426.31	355.42	-1.2	0.000777186	0.002835981
ENSG00000213741	RPS29	1269.42	1060.3	-1.2	0.016842032	0.025149396
ENSG00000225383	SFTA1P	184.76	153.79	-1.2	0.003834788	0.008274693
ENSG00000231167	YBX1P2	35.61	29.56	-1.2	0.005556837	0.01080664
ENSG00000233328	PFN1P1	262.13	217.69	-1.2	0.010855526	0.017761386
ENSG00000236852	RP11-3D23.1	30.31	25.17	-1.2	0.038095277	0.049686544
ENSG00000254332	GS1-44D20.1	79.79	66.72	-1.2	0.037104252	0.048631947
ENSG00000000419	DPM1	99.19	83.62	-1.19	0.002771649	0.006532536
ENSG00000012660	ELOVL5	92.14	77.25	-1.19	0.001400875	0.004095079
ENSG00000035403	VCL	182.45	153.51	-1.19	6.22E-05	0.00074871
ENSG00000052802	MSMO1	81.87	68.59	-1.19	0.011094594	0.018041792
ENSG00000064995	TAF11	54.79	45.98	-1.19	0.002781948	0.006550008
ENSG00000075415	SLC25A3	521.35	439.37	-1.19	0.012440235	0.019759235
ENSG00000092094	OSGEP	41.74	35.04	-1.19	0.02729066	0.037663551
ENSG00000099800	TIMM13	205.64	172.38	-1.19	0.007187193	0.012955948
ENSG00000105705	SUGP1	68.95	57.9	-1.19	0.033402317	0.044587112

ENSG00000109332	UBE2D3	264.07	221.95	-1.19	0.011578113	0.018652212
ENSG00000109586	GALNT7	100.07	84.15	-1.19	0.010388989	0.017175368
ENSG00000112245	PTP4A1	52.15	43.83	-1.19	0.028184333	0.038696542
ENSG00000116251	RPL22	452	378.87	-1.19	0.012865591	0.020280599
ENSG00000116793	PHTF1	50.08	42.08	-1.19	0.007027397	0.012776621
ENSG00000119559	C19orf25	49.63	41.6	-1.19	0.002271384	0.005663008
ENSG00000119725	ZNF410	38.39	32.24	-1.19	0.003257273	0.007366236
ENSG00000122203	KIAA1191	136.82	115	-1.19	0.010186578	0.016921839
ENSG00000122591	FAM126A	56.69	47.59	-1.19	0.025543365	0.035604062
ENSG00000122861	PLAU	719	604.39	-1.19	0.00093364	0.003179363
ENSG00000124614	RPS10	682.94	576.05	-1.19	0.000276368	0.001559792
ENSG00000125743	SNRPD2	1030.35	868.24	-1.19	0.013103377	0.020542425
ENSG00000126226	PCID2	112.95	95.26	-1.19	0.000493234	0.002164915
ENSG00000128591	FLNC	223.85	188.46	-1.19	0.001070683	0.00345922
ENSG00000129152	MYOD1	133.8	112.84	-1.19	0.003744899	0.008145432
ENSG00000134369	NAV1	66.77	56.15	-1.19	0.027764031	0.03819101
ENSG00000136942	RPL35	2946.4	2481.61	-1.19	0.000781203	0.002841795
ENSG00000137492	PRKRIR	31.96	26.75	-1.19	0.005408417	0.010585768
ENSG00000138385	SSB	371.41	312.69	-1.19	0.008052474	0.014137636
ENSG00000143179	UCK2	91.51	76.83	-1.19	0.020611118	0.029798717
ENSG00000144034	TPRKB	100.41	84.6	-1.19	0.015891439	0.023974119
ENSG00000151846	PABPC3	54.23	45.58	-1.19	0.003170529	0.007216212
ENSG00000155660	PDIA4	350.05	294.74	-1.19	2.81E-05	0.000527667
ENSG00000156304	SCAF4	36.71	30.9	-1.19	0.000675642	0.002630322
ENSG00000160087	UBE2J2	82.49	69.03	-1.19	0.013020421	0.02044771
ENSG00000166562	SEC11C	34.11	28.68	-1.19	0.027698241	0.038127344
ENSG00000167005	NUDT21	88.31	74.16	-1.19	0.034402389	0.045639198
ENSG00000171858	RPS21	994.86	836.28	-1.19	0.024881467	0.034813868

ENSG00000172336	POP7	106.7	89.61	-1.19	0.012415112	0.019729598
ENSG00000172757	CFL1	1802.87	1510.69	-1.19	0.002569295	0.006172286
ENSG00000172922	RNASEH2C	50.96	42.84	-1.19	0.01876934	0.027577903
ENSG00000178715	RP11-169K16.8	81.17	68.05	-1.19	0.035750667	0.047184766
ENSG00000179918	SEPHS2	83.95	70.56	-1.19	0.007015054	0.012759392
ENSG00000180900	SCRIB	79.08	66.46	-1.19	0.01805547	0.026662623
ENSG00000184047	DIABLO	107.01	89.83	-1.19	0.00111481	0.003543223
ENSG00000185650	ZFP36L1	162.55	137.14	-1.19	0.027357661	0.037747135
ENSG00000196262	PPIA	1570.48	1320.2	-1.19	0.014657597	0.022471401
ENSG00000197622	CDC42SE1	85.26	71.37	-1.19	0.000211781	0.001348408
ENSG00000214022	REPIN1	91.47	76.93	-1.19	0.006179901	0.011641163
ENSG00000228205	RP11-778D9.4	170.3	142.84	-1.19	0.006240132	0.011724489
ENSG00000233954	UQCRHL	68.4	57.67	-1.19	0.000493045	0.002164915
ENSG00000236552	RPL13AP5	1286.94	1082.56	-1.19	0.015446424	0.02346576
ENSG00000237550	UBE2Q2P6	677.88	568.25	-1.19	0.005361112	0.010510719
ENSG00000244313	RP11-425L10.1	1025.81	864.25	-1.19	0.03652024	0.048010111
ENSG00000264176	MAGOH2P	66.63	55.79	-1.19	0.001114312	0.003543223
ENSG00000011485	PPP5C	137.59	116.76	-1.18	0.006961827	0.012698026
ENSG00000034510	TMSB10	10874.5	9240.26	-1.18	0.017383952	0.025840673
ENSG00000064961	HMG20B	68.38	57.98	-1.18	0.021891578	0.031325577
ENSG00000065183	WDR3	62.81	53.12	-1.18	0.01250512	0.019840347
ENSG00000070756	PABPC1	2089.79	1776.61	-1.18	0.005994839	0.011378947
ENSG00000100445	SDR39U1	55.36	46.78	-1.18	0.032358446	0.043450866
ENSG00000101246	ARFRP1	41.39	35.2	-1.18	0.013139268	0.020581293
ENSG00000102572	STK24	61.15	51.9	-1.18	0.007710016	0.0136756
ENSG00000103202	NME4	171.66	145.19	-1.18	0.015885931	0.023971977
ENSG00000105928	DFNA5	69.56	58.9	-1.18	0.0086467	0.014979099
ENSG00000108773	KAT2A	37.04	31.39	-1.18	0.033604834	0.044775874

ENSG00000109861	CTSC	326.22	277.56	-1.18	0.004972223	0.009958031
ENSG00000112701	SENP6	36.27	30.62	-1.18	0.022287377	0.031798827
ENSG00000116670	MAD2L2	71.54	60.42	-1.18	0.006001701	0.011385951
ENSG00000121774	KHDRBS1	187.1	159.02	-1.18	6.57E-06	0.000330214
ENSG00000123983	ACSL3	137.96	117.25	-1.18	0.004284141	0.008984152
ENSG00000128708	HAT1	125.72	106.71	-1.18	0.000334948	0.001735099
ENSG00000133773	CCDC59	73.92	62.4	-1.18	0.001728808	0.004673928
ENSG00000134287	ARF3	218.74	185.12	-1.18	0.004672427	0.009516884
ENSG00000136802	LRRC8A	48.67	41.34	-1.18	0.004801915	0.009716503
ENSG00000136877	FPGS	47.93	40.7	-1.18	0.027140386	0.037482625
ENSG00000137054	POLR1E	34.84	29.6	-1.18	0.000914898	0.003137403
ENSG00000139496	NUPL1	36.69	31.17	-1.18	0.026030892	0.036163267
ENSG00000142856	ITGB3BP	58.29	49.4	-1.18	0.020416624	0.029583169
ENSG00000145494	NDUFS6	86.14	72.97	-1.18	0.001091299	0.003496869
ENSG00000146963	C7orf55-LUC7L2	72.33	61.25	-1.18	0.002515874	0.006076229
ENSG00000147224	PRPS1	51.32	43.62	-1.18	0.001405557	0.004104674
ENSG00000153250	RBMS1	149.32	126.42	-1.18	0.000959611	0.003232588
ENSG00000153560	UBP1	72.81	61.7	-1.18	0.010351399	0.017122878
ENSG00000154719	MRPL39	54.81	46.41	-1.18	0.007595295	0.01351709
ENSG00000156482	RPL30	2457.26	2089.09	-1.18	0.000129804	0.001081208
ENSG00000156860	FBRS	47.09	39.99	-1.18	0.003267294	0.007383203
ENSG00000158545	ZC3H18	45.14	38.32	-1.18	0.032295737	0.043396472
ENSG00000159216	RUNX1	60.6	51.54	-1.18	0.021466053	0.03084463
ENSG00000159658	EFCAB14	55.53	47.04	-1.18	0.013931767	0.021584117
ENSG00000160014	CALM3	358.71	303.77	-1.18	0.000949333	0.003208351
ENSG00000164091	WDR82	81.98	69.52	-1.18	3.13E-05	0.000547068
ENSG00000167088	SNRPD1	143.53	121.52	-1.18	0.013037003	0.020468269
ENSG00000167283	ATP5L	331.28	280.23	-1.18	0.001940668	0.005044683

ENSG00000174915	PTDSS2	51.13	43.43	-1.18	0.016031006	0.024128804
ENSG00000175029	CTBP2	102.9	87.35	-1.18	0.005028331	0.010046383
ENSG00000175792	RUVBL1	121.21	102.59	-1.18	0.000885671	0.003073122
ENSG00000196531	NACA	1070.26	904.83	-1.18	0.001378784	0.00405738
ENSG00000197150	ABCB8	38.49	32.74	-1.18	0.009532751	0.016104883
ENSG00000198242	RPL23A	104.03	88.13	-1.18	0.034403659	0.045639198
ENSG00000198369	SPRED2	74.7	63.46	-1.18	0.003090959	0.007102422
ENSG00000198815	FOXJ3	49.62	41.9	-1.18	0.001714638	0.004644174
ENSG00000205339	IPO7	73.99	62.79	-1.18	0.020632653	0.029815149
ENSG00000213079	SCAF8	33.8	28.75	-1.18	0.00585632	0.011200737
ENSG00000213684	LDHBP2	127.3	107.52	-1.18	0.012805972	0.020207583
ENSG00000214881	TMEM14D	43.53	36.81	-1.18	0.023023053	0.032634078
ENSG00000214975	PPIAP29	361.19	306.32	-1.18	0.001118645	0.003551562
ENSG00000224877	C17orf89	135.89	115.54	-1.18	0.003701206	0.008086391
ENSG00000227347	HNRNPKP2	38.57	32.79	-1.18	0.027428403	0.037826942
ENSG00000232499	RP11-512F24.1	44.81	38.02	-1.18	0.006263228	0.011762353
ENSG00000237676	RPL30P4	318.43	270.45	-1.18	0.034625731	0.045869347
ENSG00000270983	RP11-137J7.3	45.27	38.26	-1.18	0.015045274	0.022975387
ENSG00000273841	TAF9	155.02	131.46	-1.18	0.009968853	0.016692563
ENSG00000005075	POLR2J	100.74	86.06	-1.17	0.001911675	0.005004492
ENSG00000006744	ELAC2	90.25	76.9	-1.17	0.023392578	0.033046031
ENSG00000009954	BAZ1B	91.36	78.19	-1.17	0.000804324	0.002881218
ENSG00000013441	CLK1	115.34	98.75	-1.17	0.009918779	0.01663012
ENSG00000047410	TPR	94.38	80.7	-1.17	0.001790983	0.00478248
ENSG00000068796	KIF2A	36.23	31.09	-1.17	0.03596963	0.047421668
ENSG00000087269	NOP14	39.25	33.62	-1.17	0.007727149	0.013697703
ENSG00000100379	KCTD17	48.78	41.64	-1.17	0.012444219	0.019759789
ENSG00000100600	LGMN	38.92	33.3	-1.17	0.013015094	0.02044771



ENSG00000100650	SRSF5	215.09	183.87	-1.17	0.003965185	0.008498134
ENSG00000101161	PRPF6	57.52	49.17	-1.17	0.00683144	0.012522526
ENSG00000101972	STAG2	37.85	32.26	-1.17	0.006608243	0.012239651
ENSG00000105819	PMPCB	63.53	54.52	-1.17	0.00845232	0.014703175
ENSG00000108055	SMC3	44.26	37.71	-1.17	0.003654376	0.008001964
ENSG00000108559	NUP88	156.13	133.22	-1.17	0.004939614	0.009909646
ENSG00000109971	HSPA8	2119.64	1809.81	-1.17	1.54E-05	0.000415869
ENSG00000112769	LAMA4	83.85	71.8	-1.17	0.010329031	0.017095524
ENSG00000115355	CCDC88A	69.19	59.1	-1.17	0.010532543	0.01734911
ENSG00000116830	TTF2	51.97	44.52	-1.17	0.005185482	0.010283282
ENSG00000118194	TNNT2	437.26	374.39	-1.17	0.003573682	0.007878222
ENSG00000120913	PDLIM2	108.68	93.01	-1.17	0.024483923	0.034355999
ENSG00000120948	TARDBP	405.35	345.83	-1.17	0.001561501	0.004383265
ENSG00000130204	TOMM40	143.37	122.93	-1.17	0.001378454	0.00405738
ENSG00000130810	PPAN	86.14	73.63	-1.17	0.000486571	0.002153397
ENSG00000133997	MED6	86.65	74.26	-1.17	0.027496376	0.037893948
ENSG00000134697	GNL2	150.51	128.78	-1.17	0.005673091	0.010983114
ENSG00000136261	BZW2	114.05	97.58	-1.17	0.001066316	0.003450421
ENSG00000141030	COPS3	161.44	138.32	-1.17	0.001175281	0.003663928
ENSG00000141867	BRD4	56.46	48.09	-1.17	0.006724175	0.012389358
ENSG00000143742	SRP9	191.91	164.15	-1.17	0.005780901	0.011132743
ENSG00000145337	PYURF	74.1	63.34	-1.17	0.00999311	0.016723089
ENSG00000147383	NSDHL	37.45	31.95	-1.17	0.000302752	0.001643832
ENSG00000149187	CELF1	47.59	40.71	-1.17	0.013287432	0.020735915
ENSG00000149428	HYOU1	177.17	150.85	-1.17	0.000783556	0.002845061
ENSG00000152332	UHMK1	35.52	30.23	-1.17	0.016290854	0.024443738
ENSG00000154813	DPH3	65.03	55.74	-1.17	0.030353129	0.041163448
ENSG00000163682	RPL9	75.81	64.64	-1.17	0.005818067	0.011153039

ENSG00000168286	THAP11	41.48	35.5	-1.17	0.010112443	0.016848839
ENSG00000169905	TOR1AIP2	50.5	43.29	-1.17	0.000801166	0.002877325
ENSG00000170577	SIX2	106.75	91.52	-1.17	0.028026625	0.038516084
ENSG00000170889	RPS9	946.51	810.39	-1.17	0.0052592	0.010390819
ENSG00000171316	CHD7	74	63.44	-1.17	0.013311877	0.020749827
ENSG00000174780	SRP72	102.88	88.15	-1.17	0.003288834	0.007420439
ENSG00000175274	TP53I11	42.47	36.17	-1.17	0.001578722	0.004410494
ENSG00000176393	RNPEP	84.44	72.25	-1.17	0.008986362	0.015399189
ENSG00000181472	ZBTB2	36.74	31.31	-1.17	0.014221971	0.021964087
ENSG00000185721	DRG1	138.94	119.1	-1.17	0.018851278	0.027670562
ENSG00000186660	ZFP91	42.86	36.69	-1.17	0.005109629	0.010150023
ENSG00000198736	MSRB1	42.6	36.33	-1.17	0.030670497	0.041545807
ENSG00000198856	OSTC	156.66	133.7	-1.17	0.000826463	0.002933644
ENSG00000204264	PSMB8	48.42	41.21	-1.17	0.017225105	0.025656087
ENSG00000213846	AC098614.2	192.72	165.04	-1.17	0.008035345	0.014120246
ENSG00000214485	RPL7P1	50.46	43.27	-1.17	0.0298189	0.040532691
ENSG00000215007	DNAJA1P3	61.76	52.77	-1.17	0.009149015	0.015609491
ENSG00000229638	RPL4P4	264.22	226	-1.17	0.006447179	0.012013428
ENSG00000240342	RPS2P5	767.66	654.81	-1.17	0.007395841	0.013249768
ENSG00000272888	LINC01578	64.17	54.99	-1.17	0.003033731	0.006992844
ENSG00000048991	R3HDM1	42.13	36.21	-1.16	0.010834889	0.017737518
ENSG00000070081	NUCB2	43.56	37.58	-1.16	0.011786126	0.018935299
ENSG00000092201	SUPT16H	145.91	125.72	-1.16	0.000165179	0.001200261
ENSG00000104852	SNRNP70	241.45	207.83	-1.16	0.000122902	0.001061712
ENSG00000105258	POLR2I	142.31	122.71	-1.16	0.009994566	0.016723089
ENSG00000108010	GLRX3	141.24	121.33	-1.16	0.015992536	0.024078918
ENSG00000108298	RPL19	1180.41	1014.94	-1.16	0.004350502	0.009069088
ENSG00000108424	KPNB1	610.79	527.44	-1.16	0.000403362	0.001943563

ENSG00000108561	C1QBP	421.45	363.8	-1.16	0.007283668	0.013085609
ENSG00000110811	P3H3	43.68	37.71	-1.16	0.002766304	0.00652256
ENSG00000111641	NOP2	100.43	86.61	-1.16	0.000742745	0.002781934
ENSG00000120533	ENY2	162.31	139.43	-1.16	0.032313869	0.043410888
ENSG00000120733	KDM3B	38.92	33.58	-1.16	0.001682569	0.004569413
ENSG00000124789	NUP153	49.22	42.34	-1.16	0.011463155	0.018497975
ENSG00000128581	IFT22	70.8	60.85	-1.16	0.007552975	0.013470391
ENSG00000133872	SARAF	474.2	408.51	-1.16	9.33E-05	0.000927438
ENSG00000134001	EIF2S1	219.13	189.32	-1.16	0.003924253	0.008416905
ENSG00000135390	ATP5G2	582.84	503.29	-1.16	0.004318562	0.00902818
ENSG00000136891	TEX10	48.75	42.13	-1.16	0.006745103	0.012409923
ENSG00000139239	RPL14P1	481.26	416.23	-1.16	0.012380282	0.019690255
ENSG00000143320	CRABP2	650.73	559.77	-1.16	0.008347832	0.014551631
ENSG00000143799	PARP1	168.82	145.88	-1.16	0.008090247	0.014174247
ENSG00000147454	SLC25A37	54.91	47.41	-1.16	0.009178998	0.015633355
ENSG00000149257	SERPINH1	378.65	326.01	-1.16	0.006728971	0.012390098
ENSG00000165283	STOML2	155.18	134.31	-1.16	0.004655501	0.009495603
ENSG00000167460	TPM4	603.55	519.47	-1.16	0.012380201	0.019690255
ENSG00000169564	PCBP1	436.39	376.25	-1.16	3.69E-06	0.000283875
ENSG00000174444	RPL4	2470.91	2135	-1.16	0.005935882	0.011301302
ENSG00000180530	NRIP1	38.21	32.99	-1.16	0.025773095	0.035881631
ENSG00000196363	WDR5	57.41	49.64	-1.16	4.41E-05	0.000633079
ENSG00000196510	ANAPC7	138.74	120.05	-1.16	0.004326504	0.009035121
ENSG00000198900	TOP1	130.34	112.79	-1.16	0.002039149	0.005228497
ENSG00000204392	LSM2	91.37	78.63	-1.16	0.015228701	0.023195091
ENSG00000212907	MT-ND4L	14643.6	12570.83	-1.16	0.015322458	0.023319724
ENSG00000227671	RP11-488L18.4	47.76	41.03	-1.16	0.00074327	0.002781934
ENSG00000232472	EEF1B2P3	315.12	270.85	-1.16	0.01106358	0.018004762

ENSG00000233514	RP11-570P14.1	101.39	87.28	-1.16	0.004458739	0.00923236
ENSG00000234851	RPL23AP42	939.25	807.04	-1.16	0.006998328	0.012742862
ENSG00000236048	AC013470.6	38.94	33.56	-1.16	0.0054145	0.010587374
ENSG00000242299	RP11-234A1.1	1090.46	943.06	-1.16	0.035186716	0.046545207
ENSG00000244398	RP11-466H18.1	1300.54	1117.07	-1.16	0.010954518	0.017883434
ENSG00000006282	SPATA20	43.87	38.19	-1.15	0.035278647	0.046635254
ENSG00000037897	METTL1	51.68	45.01	-1.15	0.011740498	0.018887869
ENSG00000049541	RFC2	122.3	106.34	-1.15	0.010077374	0.01683291
ENSG00000059691	GATB	43.48	37.91	-1.15	0.003052904	0.007023235
ENSG00000068438	FTSJ1	47.6	41.52	-1.15	0.037175441	0.048692604
ENSG00000085662	AKR1B1	302.21	261.8	-1.15	0.015276069	0.023261197
ENSG00000095906	NUBP2	51.73	44.99	-1.15	0.037776333	0.049347386
ENSG00000100380	ST13	149.23	129.82	-1.15	0.009161342	0.015621683
ENSG00000100813	ACIN1	251.96	219.92	-1.15	0.032493496	0.043562382
ENSG00000101052	IFT52	56.06	48.96	-1.15	0.019146319	0.028005491
ENSG00000102900	NUP93	203.9	177.61	-1.15	0.014162619	0.021883953
ENSG00000104472	CHRAC1	55.2	47.92	-1.15	0.030750277	0.041644255
ENSG00000110107	PRPF19	130.97	114.08	-1.15	0.004320413	0.009028832
ENSG00000111716	LDHB	1091.91	946.15	-1.15	0.000272447	0.001544123
ENSG00000112183	RBM24	52.28	45.28	-1.15	0.012885194	0.020289682
ENSG00000116062	MSH6	63.19	54.84	-1.15	0.025428667	0.035477921
ENSG00000116489	CAPZA1	170.54	148	-1.15	0.000186695	0.001271518
ENSG00000119772	DNMT3A	83.68	72.93	-1.15	0.00817699	0.014300587
ENSG00000120875	DUSP4	132.96	115.93	-1.15	0.000488438	0.002155373
ENSG00000126602	TRAP1	77.26	67	-1.15	0.023016203	0.032632256
ENSG00000130164	LDLR	68.16	59.44	-1.15	0.010513038	0.017328876
ENSG00000130511	SSBP4	74.1	64.43	-1.15	0.005072273	0.010096337
ENSG00000130560	UBAC1	94.35	81.7	-1.15	0.024458444	0.034328463

ENSG00000132429	POPDC3	111.18	96.61	-1.15	0.000373323	0.001852086
ENSG00000135316	SYNCRIP	177.77	154.86	-1.15	0.026762102	0.037073699
ENSG00000135821	GLUL	233.19	202	-1.15	0.017770788	0.026325872
ENSG00000135972	MRPS9	62.99	54.8	-1.15	0.000825202	0.002930943
ENSG00000139546	TARBP2	66.48	57.93	-1.15	0.003988019	0.008525608
ENSG00000140688	C16orf58	37.76	32.7	-1.15	0.003870178	0.008340581
ENSG00000141858	SAMD1	41.74	36.28	-1.15	0.033258522	0.044445756
ENSG00000142230	SAE1	278.11	242.07	-1.15	0.000295751	0.001625189
ENSG00000143321	HDGF	1020.48	890.51	-1.15	0.004274792	0.008968652
ENSG00000148337	CIZ1	218.83	190.98	-1.15	0.033419837	0.044590199
ENSG00000148834	GSTO1	106.44	92.76	-1.15	0.032879629	0.044009619
ENSG00000149273	RPS3	1726.43	1496.45	-1.15	0.01768457	0.026220561
ENSG00000150403	TMCO3	65.97	57.14	-1.15	0.001916904	0.005008166
ENSG00000152291	TGOLN2	144.45	125.57	-1.15	0.000549152	0.00229852
ENSG00000156469	MTERF3	45.33	39.52	-1.15	0.015537115	0.023567641
ENSG00000157778	PSMG3	113.99	99.02	-1.15	0.022817299	0.032405095
ENSG00000159140	SON	109.19	95.31	-1.15	0.004812249	0.009723993
ENSG00000159479	MED8	90.87	78.69	-1.15	0.010089957	0.016837651
ENSG00000183077	AFMID	90.08	78.39	-1.15	0.002188659	0.005506656
ENSG00000186340	THBS2	81.54	70.79	-1.15	0.014521275	0.022326365
ENSG00000187498	COL4A1	360.6	312.66	-1.15	0.000266377	0.001529084
ENSG00000198231	DDX42	155.56	135.85	-1.15	0.009718277	0.016372104
ENSG00000206503	HLA-A	180.28	156.14	-1.15	4.12E-05	0.000611881
ENSG00000216657	GLRX3P2	45.74	39.72	-1.15	0.023089648	0.03271266
ENSG00000221978	CCNL2	116.43	100.93	-1.15	0.019061867	0.027902842
ENSG00000226221	RPL26P19	726.34	634.22	-1.15	0.008954174	0.015366484
ENSG00000228929	RPS13P2	548.59	478.58	-1.15	0.006724988	0.012389358
ENSG00000230202	RP11-632C17__A.1	466.42	405.18	-1.15	0.00324658	0.007352337

ENSG00000236603	RANP1	254.65	221.5	-1.15	0.016133695	0.02425224
ENSG00000241680	RPL31P49	44.18	38.52	-1.15	0.016461687	0.024644201
ENSG00000243829	CTB-33G10.1	49.49	43.19	-1.15	0.004164598	0.008781447
ENSG00000249921	CTC-329H14.1	74.28	64.87	-1.15	0.030604075	0.041474993
ENSG00000253729	PRKDC	280.1	243.77	-1.15	0.024596042	0.034488568
ENSG00000254023	PKMP4	158.21	137.47	-1.15	0.022971457	0.032592457
ENSG00000255642	PABPC1P4	65.81	57.27	-1.15	0.006974338	0.012708987
ENSG00000262814	MRPL12	136.79	118.79	-1.15	0.000615734	0.002461048
ENSG00000010322	NISCH	55.15	48.24	-1.14	0.034277225	0.045537302
ENSG00000062650	WAPAL	42.94	37.51	-1.14	0.036009046	0.04744036
ENSG00000085117	CD82	166.9	146.28	-1.14	0.019665401	0.028671783
ENSG00000089737	DDX24	189.4	165.58	-1.14	0.004615667	0.009440626
ENSG00000092010	PSME1	123.49	108.63	-1.14	0.022977483	0.032593121
ENSG00000096384	HSP90AB1	1092.48	954.71	-1.14	0.003966472	0.008498134
ENSG00000100811	YY1	89.05	78.41	-1.14	0.004599931	0.009429317
ENSG00000101146	RAE1	74.58	65.66	-1.14	7.32E-06	0.000336873
ENSG00000106153	CHCHD2	692.75	610.07	-1.14	0.003761708	0.008169873
ENSG00000108953	YWHAE	1451.44	1271.92	-1.14	0.002801032	0.006583268
ENSG00000112996	MRPS30	46.2	40.41	-1.14	0.033327245	0.044527446
ENSG00000114867	EIF4G1	340.36	298.28	-1.14	0.005721488	0.01105099
ENSG00000115540	MOB4	79.35	69.33	-1.14	0.012339754	0.019655777
ENSG00000115694	STK25	873.19	766.53	-1.14	0.003738611	0.008140814
ENSG00000124160	NCOA5	57.4	50.24	-1.14	0.001292373	0.003904419
ENSG00000125968	ID1	68.2	59.64	-1.14	0.007487358	0.013381276
ENSG00000130024	PHF10	76.12	66.92	-1.14	0.003347032	0.00749408
ENSG00000134013	LOXL2	227.6	198.99	-1.14	0.008632967	0.014959727
ENSG00000135931	ARMC9	198.89	174.88	-1.14	0.007080574	0.012835483
ENSG00000140395	WDR61	75	66.01	-1.14	0.029409058	0.040105748

ENSG00000140943	MBTPS1	79.73	69.84	-1.14	0.001467119	0.00420786
ENSG00000143442	POGZ	68.72	60.37	-1.14	0.024928444	0.034871277
ENSG00000149100	EIF3M	196.19	171.46	-1.14	0.017252791	0.025677759
ENSG00000149636	DSN1	50.69	44.64	-1.14	0.004741235	0.009620279
ENSG00000149658	YTHDF1	66.45	58.32	-1.14	0.00205925	0.005270818
ENSG00000160113	NR2F6	51.2	44.98	-1.14	0.022321672	0.031840011
ENSG00000160285	LSS	86.72	76.2	-1.14	0.028003267	0.038493004
ENSG00000162745	OLFML2B	265.8	232.52	-1.14	0.025132839	0.035106948
ENSG00000163541	SUCLG1	104.49	91.7	-1.14	0.002168442	0.005469138
ENSG00000163950	SLBP	97.44	85.45	-1.14	0.001666379	0.004538618
ENSG00000165724	ZMYND19	54.73	48.01	-1.14	0.011830283	0.018995832
ENSG00000167118	URM1	74.7	65.45	-1.14	0.007556278	0.013472184
ENSG00000167674	HDGFRP2	92.88	81.69	-1.14	0.0199435	0.029026728
ENSG00000168005	C11orf84	57.81	50.93	-1.14	0.002719754	0.00643719
ENSG00000168101	NUDT16L1	44.37	38.78	-1.14	0.012199159	0.019497375
ENSG00000169032	MAP2K1	288.64	253.11	-1.14	0.00383576	0.008274693
ENSG00000171490	RSL1D1	222.38	194.81	-1.14	0.022553927	0.03208545
ENSG00000171960	PPIH	67.3	59.14	-1.14	0.013571195	0.021109147
ENSG00000180228	PRKRA	98.23	86.05	-1.14	0.01146424	0.018497975
ENSG00000182899	RPL35A	789.85	690.01	-1.14	0.00653784	0.012143773
ENSG00000183199	HSP90AB3P	140.04	123.14	-1.14	0.003519417	0.007787872
ENSG00000204628	GNB2L1	2847.4	2495.67	-1.14	0.001304843	0.00392663
ENSG00000001630	CYP51A1	78.52	69.39	-1.13	0.005495073	0.010713755
ENSG00000030066	NUP160	67.46	59.88	-1.13	0.022060978	0.031521826
ENSG00000037474	NSUN2	92.1	81.23	-1.13	0.003638182	0.00797703
ENSG00000067334	DNTTIP2	117.95	104.3	-1.13	0.03185232	0.042889094
ENSG00000074582	BCS1L	117.28	104.09	-1.13	0.032839726	0.043966245
ENSG00000075856	SART3	69.71	61.45	-1.13	0.030412414	0.041234311

ENSG00000076924	XAB2	76.66	68.12	-1.13	0.015977144	0.024066266
ENSG00000078618	NRD1	186.16	165.44	-1.13	0.003210583	0.007280301
ENSG00000083845	RPS5	902.38	795.07	-1.13	0.014823287	0.02268792
ENSG00000084090	STARD7	177.31	157.15	-1.13	0.008538628	0.014826921
ENSG00000091140	DLD	100.68	89.33	-1.13	0.02048959	0.029666902
ENSG00000100796	SMEK1	88.14	78.16	-1.13	0.002547755	0.00613806
ENSG00000100911	PSME2	206.89	182.98	-1.13	0.010241259	0.016998229
ENSG00000101138	CSTF1	67	59.08	-1.13	0.013581362	0.02111936
ENSG00000101182	PSMA7	902.83	796.44	-1.13	0.007481342	0.013379258
ENSG00000101470	TNNC2	170.86	151.19	-1.13	0.004526135	0.009322534
ENSG00000107816	LZTS2	110.29	97.93	-1.13	0.017606316	0.026130964
ENSG00000108883	EFTUD2	322.87	285.43	-1.13	0.012773589	0.020176873
ENSG00000113575	PPP2CA	298.22	264.32	-1.13	0.00551233	0.010735404
ENSG00000116688	MFN2	62.15	54.79	-1.13	0.027151259	0.037488812
ENSG00000119689	DLST	61.23	53.98	-1.13	0.005924102	0.011286204
ENSG00000121058	COIL	51.26	45.49	-1.13	0.010113901	0.016848839
ENSG00000123416	TUBA1B	1613.12	1423.86	-1.13	0.023368213	0.033027524
ENSG00000127837	AAMP	531.42	468.33	-1.13	0.00933916	0.015837142
ENSG00000129235	TXNDC17	157.24	138.93	-1.13	0.031239987	0.042209973
ENSG00000130717	UCK1	66.79	58.96	-1.13	0.001046764	0.003409536
ENSG00000130935	NOL11	117.4	103.87	-1.13	0.022783395	0.032364784
ENSG00000132153	DHX30	65.74	58.23	-1.13	0.013529058	0.021054777
ENSG00000132341	RAN	1025.56	908.47	-1.13	0.014127943	0.021847642
ENSG00000136448	NMT1	120.7	106.39	-1.13	0.010953015	0.017883434
ENSG00000137168	PPIL1	68.23	60.62	-1.13	0.007201645	0.012970039
ENSG00000160783	PMF1	74.02	65.68	-1.13	0.020437385	0.029598624
ENSG00000162244	RPL29	508.97	448.54	-1.13	0.005102506	0.010142744
ENSG00000166260	COX11	61.46	54.27	-1.13	0.021713121	0.031100572



ENSG00000167775	CD320	164.37	145.89	-1.13	0.009652088	0.01628304
ENSG00000169100	SLC25A6	167.46	148.33	-1.13	0.007612993	0.013540368
ENSG00000172845	SP3	91.33	80.93	-1.13	0.031616565	0.042679452
ENSG00000176731	C8orf59	165.35	146.47	-1.13	0.002698723	0.006407009
ENSG00000179950	PUF60	279.73	247.25	-1.13	0.002022503	0.005197257
ENSG00000184787	UBE2G2	69.61	61.65	-1.13	0.021776333	0.031175883
ENSG00000198546	ZNF511	59.85	53.02	-1.13	0.031940497	0.042988082
ENSG00000213740	SERBP1P1	77.67	68.76	-1.13	0.024987308	0.034928624
ENSG00000218426	RP11-475C16.1	933.01	822.74	-1.13	0.000704904	0.002700493
ENSG00000227973	PIN4P1	55.64	49.18	-1.13	0.015005546	0.022920688
ENSG00000231500	RPS18	1456.67	1294.66	-1.13	0.011311351	0.01830572
ENSG00000243678	NME1-NME2	958.78	846.27	-1.13	0.014392474	0.022192339
ENSG00000008988	RPS20	1966.93	1756.76	-1.12	0.017566395	0.026078314
ENSG00000084234	APLP2	136.72	122.11	-1.12	0.001003522	0.003328423
ENSG00000086061	DNAJA1	254.99	228.19	-1.12	0.005229259	0.01033863
ENSG00000092820	EZR	124.42	111.36	-1.12	3.90E-05	0.000593667
ENSG00000100473	COCH	63.34	56.67	-1.12	0.000195087	0.001293075
ENSG00000100836	PABPN1	147.11	131.01	-1.12	0.034869279	0.046156535
ENSG00000106443	PHF14	56.29	50.12	-1.12	0.007783561	0.013772723
ENSG00000116679	IVNS1ABP	70.44	62.8	-1.12	0.000683981	0.002650093
ENSG00000116857	TMEM9	110.69	98.86	-1.12	0.027551619	0.037961159
ENSG00000121766	ZCCHC17	75.7	67.53	-1.12	0.007956182	0.014022308
ENSG00000122034	GTF3A	53.66	48.07	-1.12	0.000705057	0.002700493
ENSG00000127445	PIN1	130.21	116.29	-1.12	0.032662533	0.043758989
ENSG00000134748	PRPF38A	62.47	55.62	-1.12	0.005353887	0.010503578
ENSG00000135916	ITM2C	400.66	357.24	-1.12	0.003479171	0.007710453
ENSG00000140416	TPM1	150.47	133.83	-1.12	0.000141739	0.0011195
ENSG00000140988	RPS2	2431.1	2167.03	-1.12	0.005108304	0.010150023

ENSG00000143569	UBAP2L	196.98	176.23	-1.12	0.008734679	0.015086939
ENSG00000146834	MEPCE	58.27	51.94	-1.12	0.002604022	0.006227564
ENSG00000147533	GOLGA7	91.07	81.04	-1.12	0.027442547	0.037837549
ENSG00000147586	MRPS28	184.83	165.05	-1.12	0.001848051	0.004899172
ENSG00000148331	ASB6	50.11	44.73	-1.12	0.00700162	0.012742862
ENSG00000154518	ATP5G3	701.9	627.61	-1.12	0.000869272	0.003025168
ENSG00000166012	TAF1D	116.8	103.85	-1.12	0.03379827	0.044985057
ENSG00000171604	CXXC5	46.94	41.93	-1.12	0.031390385	0.042393647
ENSG00000173113	TRMT112	309.92	275.89	-1.12	0.002910208	0.006763944
ENSG00000177889	UBE2N	176.67	157.24	-1.12	0.011289082	0.018276967
ENSG00000178381	ZFAND2A	93.99	84.17	-1.12	0.020042841	0.029164074
ENSG00000189343	RPS2P46	210.37	187.33	-1.12	0.006562728	0.01217843
ENSG00000198618	PPIAP22	2926.82	2613.9	-1.12	0.020177572	0.029294697
ENSG00000204574	ABCF1	89.04	79.82	-1.12	0.0002406	0.001433817
ENSG00000239900	ADSL	106.88	95.13	-1.12	0.033612449	0.044775874
ENSG00000249565	SERBP1P5	118.78	106.36	-1.12	0.002700684	0.006409069
ENSG00000275052	SMEK2	51.18	45.6	-1.12	0.004620324	0.009446854
ENSG00000060688	SNRNP40	166.6	150.26	-1.11	0.00832043	0.014516811
ENSG00000063046	EIF4B	87.23	78.29	-1.11	0.023506782	0.033191373
ENSG00000087460	GNAS	1291.31	1166.96	-1.11	0.000221481	0.001369894
ENSG00000088930	XRN2	63.72	57.44	-1.11	0.001947259	0.00505477
ENSG00000090273	NUDC	175.18	157.4	-1.11	0.013689464	0.021253645
ENSG00000096746	HNRNPH3	258.72	232.09	-1.11	0.006966573	0.012698782
ENSG00000101158	NELFCD	118.96	106.71	-1.11	0.023607856	0.033318042
ENSG00000102172	SMS	96.03	86.65	-1.11	0.005400152	0.010576651
ENSG00000106588	PSMA2	432.35	388.05	-1.11	0.025888234	0.035999088
ENSG00000109390	NDUFC1	98.2	88.59	-1.11	0.019443817	0.028384004
ENSG00000110104	CCDC86	83.99	75.6	-1.11	0.008990563	0.015401887

ENSG00000111237	VPS29	112	100.48	-1.11	0.015593573	0.023640309
ENSG00000113048	MRPS27	66.45	59.85	-1.11	0.007851868	0.01387684
ENSG00000113282	CLINT1	103.71	93.38	-1.11	0.010097172	0.016844898
ENSG00000116871	MAP7D1	238.6	215.46	-1.11	0.029629395	0.040344743
ENSG00000117713	ARID1A	48.56	43.56	-1.11	0.012398013	0.019713109
ENSG00000119414	PPP6C	75.24	67.61	-1.11	0.031032365	0.041977805
ENSG00000125107	CNOT1	181.22	162.65	-1.11	0.034981491	0.046284175
ENSG00000126777	KTN1	88.89	80.19	-1.11	0.007068971	0.012821666
ENSG00000132305	IMMT	184.77	166.37	-1.11	0.000887872	0.003078937
ENSG00000132383	RPA1	104.94	94.2	-1.11	0.000787081	0.002852508
ENSG00000132716	DCAF8	133.18	119.98	-1.11	0.006763481	0.012425142
ENSG00000137210	TMEM14B	61.5	55.16	-1.11	0.038324755	0.04996362
ENSG00000144028	SNRNP200	254.52	229.57	-1.11	0.004131564	0.008730628
ENSG00000150687	PRSS23	114.16	102.81	-1.11	0.012884418	0.020289682
ENSG00000152795	HNRNPDL	381.16	344.66	-1.11	0.001513746	0.004292364
ENSG00000173917	HOXB2	142.04	127.99	-1.11	0.008815099	0.015172216
ENSG00000188186	LAMTOR4	191.47	171.84	-1.11	0.000456923	0.002089413
ENSG00000197111	PCBP2	406.05	364.6	-1.11	0.009786948	0.016470596
ENSG00000197461	PDGFA	54.03	48.68	-1.11	0.00719781	0.012970039
ENSG00000198225	FKBP1C	52.96	47.63	-1.11	0.023924589	0.033683983
ENSG00000211460	TSN	137.94	124.29	-1.11	0.009806622	0.01648702
ENSG00000225022	UBE2D3P1	96.95	87.58	-1.11	0.000687964	0.002661594
ENSG00000228474	OST4	782.8	705.63	-1.11	0.005700851	0.011022865
ENSG00000234797	RPS3AP6	514.96	463.7	-1.11	0.015703736	0.023758181
ENSG00000239809	RP11-51L5.2	68.15	61.65	-1.11	0.025663581	0.035754388
ENSG00000006125	AP2B1	106.57	96.65	-1.1	0.004806928	0.009718219
ENSG000000065150	IPO5	140.32	127.8	-1.1	0.005358232	0.010508586
ENSG000000065978	YBX1	1045.21	952.16	-1.1	0.00682041	0.01251013

ENSG00000084207	GSTP1	525.69	478.06	-1.1	0.003591909	0.007903547
ENSG00000106263	EIF3B	265.83	240.85	-1.1	0.011455603	0.018495501
ENSG00000106305	AIMP2	78.97	71.54	-1.1	0.022426309	0.03193489
ENSG00000110700	RPS13	686.24	623.06	-1.1	0.001637937	0.004500872
ENSG00000117862	TXNDC12	102.45	93.3	-1.1	0.033714242	0.044901275
ENSG00000120963	ZNF706	128.84	117.39	-1.1	0.034974224	0.046284175
ENSG00000123009	NME2P1	1161.62	1051.42	-1.1	0.001756877	0.004726756
ENSG00000126254	RBM42	111.84	101.47	-1.1	0.019073473	0.027912865
ENSG00000127184	COX7C	556.67	504.73	-1.1	0.010125347	0.016863116
ENSG00000127589	TUBBP1	226.72	206.55	-1.1	0.018451655	0.027158761
ENSG00000127948	POR	101.91	92.58	-1.1	0.002373348	0.005840249
ENSG00000128309	MPST	70.48	63.8	-1.1	0.005717011	0.011045982
ENSG00000136026	CKAP4	147.17	133.28	-1.1	0.000761673	0.002813905
ENSG00000136193	SCRN1	296.89	269.57	-1.1	0.015695952	0.023752533
ENSG00000136485	DCAF7	61.59	56.14	-1.1	0.012592329	0.019946358
ENSG00000136758	YME1L1	154.12	140.14	-1.1	0.019412754	0.028345714
ENSG00000142864	SERBP1	462.78	418.95	-1.1	0.002751828	0.006493649
ENSG00000151465	CDC123	164.43	149.22	-1.1	0.015644689	0.023694488
ENSG00000167635	ZNF146	115.83	105.06	-1.1	0.01438333	0.022184074
ENSG00000168958	MFF	104.1	95.03	-1.1	0.00594569	0.01131263
ENSG00000182774	RPS17	1292.37	1175.92	-1.1	0.01474173	0.022588322
ENSG00000183527	PSMG1	104.98	95.71	-1.1	0.008945212	0.015355598
ENSG00000185627	PSMD13	266.45	242.36	-1.1	0.037368699	0.048902042
ENSG00000196497	IPO4	58.25	52.82	-1.1	0.009901045	0.016621737
ENSG00000196756	SNHG17	96.72	87.57	-1.1	0.013773863	0.021373361
ENSG00000214078	CPNE1	489.33	446.18	-1.1	0.020568267	0.029755585
ENSG00000214736	TOMM6	235.79	214.26	-1.1	0.028094015	0.038590607
ENSG00000254598	CSNK2A3	74.37	67.68	-1.1	0.029551404	0.040262414

ENSG00000086589	RBM22	65.98	60.7	-1.09	0.00609511	0.011518443
ENSG00000100353	EIF3D	204.67	187.46	-1.09	0.034771853	0.046048362
ENSG00000100413	POLR3H	80.97	74.14	-1.09	0.001860289	0.00491499
ENSG00000107949	BCCIP	183.32	168.14	-1.09	0.013921251	0.021579227
ENSG00000115541	HSPE1	593.45	543.66	-1.09	0.024428443	0.034302776
ENSG00000126768	TIMM17B	73.76	67.38	-1.09	0.013212954	0.020661537
ENSG00000127452	FBXL12	63.93	58.92	-1.09	0.026144352	0.036300932
ENSG00000130255	RPL36	942.07	860.49	-1.09	0.017364098	0.025823757
ENSG00000133639	BTG1	83.16	76.62	-1.09	0.018237252	0.026883671
ENSG00000138363	ATIC	457.81	418.74	-1.09	0.018919744	0.027729413
ENSG00000141552	ANAPC11	168.55	154.21	-1.09	0.029567943	0.04027559
ENSG00000142676	RPL11	1411.19	1299.59	-1.09	0.002744989	0.006480119
ENSG00000143314	MRPL24	159.36	146.81	-1.09	0.010727206	0.017601245
ENSG00000172115	CYCS	297.32	272.25	-1.09	0.005861538	0.011207062
ENSG00000174437	ATP2A2	188.29	172.51	-1.09	7.62E-05	0.000836456
ENSG00000176014	TUBB6	224.49	205.5	-1.09	0.00049131	0.002164615
ENSG00000182636	NDN	88.72	81.06	-1.09	0.004958837	0.009934615
ENSG00000189043	NDUFA4	240.2	220.01	-1.09	0.036810444	0.048300838
ENSG00000224550	RP11-270C12.3	1404.42	1293.95	-1.09	0.032892048	0.044016196
ENSG00000234518	PTGES3P1	150.18	137.97	-1.09	0.02209172	0.031542694
ENSG00000244716	RP11-20O24.4	211.59	193.72	-1.09	0.03027909	0.041082042
ENSG00000253341	RP11-730G20.2	182.4	167.31	-1.09	0.005632538	0.010928526
ENSG00000006625	GGCT	105.23	97.01	-1.08	0.010730637	0.017601245
ENSG00000008018	PSMB1	639.3	590.92	-1.08	0.005637878	0.01093271
ENSG00000088986	DYNLL1	600.51	554.94	-1.08	0.000297019	0.001625189
ENSG00000089157	RPLP0	498.43	461.84	-1.08	0.025884232	0.035999088
ENSG00000102226	USP11	82.95	76.68	-1.08	0.012508486	0.019840347
ENSG00000104723	TUSC3	225.9	208.32	-1.08	0.020754144	0.029968554

ENSG00000110958	PTGES3	318.11	294.17	-1.08	0.0065402	0.01214431
ENSG00000112655	PTK7	108.21	100.53	-1.08	0.014042991	0.021733465
ENSG00000135052	GOLM1	99.06	91.54	-1.08	0.003898707	0.008383579
ENSG00000136205	TNS3	102.75	95.14	-1.08	0.00676865	0.012429224
ENSG00000136997	MYC	98.88	91.82	-1.08	0.004273624	0.008968652
ENSG00000137154	RPS6	742.41	686.19	-1.08	0.010909754	0.017830212
ENSG00000141076	CIRH1A	76.06	70.31	-1.08	0.036539755	0.048010111
ENSG00000143549	TPM3	516.44	476.86	-1.08	0.017059014	0.02545396
ENSG00000154553	PDLIM3	322.31	298.3	-1.08	0.022436184	0.031941195
ENSG00000167085	PHB	602.48	558.08	-1.08	0.006664341	0.012320208
ENSG00000171314	PGAM1	87.86	81.26	-1.08	0.007031063	0.012776621
ENSG00000172893	DHCR7	122.06	113.23	-1.08	0.019037884	0.027874695
ENSG00000174886	NDUFA11	600.03	556.52	-1.08	0.035206976	0.046561503
ENSG00000176946	THAP4	99.78	92.14	-1.08	0.015104447	0.023029765
ENSG00000178035	IMPDH2	196.21	182.49	-1.08	0.029702874	0.040403074
ENSG00000180817	PPA1	150.97	140.26	-1.08	0.011333745	0.018324077
ENSG00000196230	TUBB	1496.43	1380.04	-1.08	0.014159801	0.021883953
ENSG00000198700	IPO9	99.58	92.04	-1.08	0.005334711	0.010480742
ENSG00000215030	RPL13P12	514.16	477.95	-1.08	0.01992922	0.029013145
ENSG00000278311	GGNBP2	72.42	67.19	-1.08	0.038050887	0.049650735
ENSG00000278615	C11orf98	107.72	99.4	-1.08	0.006845236	0.012543895
ENSG00000081154	PCNP	78.33	72.88	-1.07	0.005439815	0.010629483
ENSG00000084774	CAD	112.56	104.79	-1.07	0.008828952	0.015185969
ENSG00000087365	SF3B2	209.62	196.26	-1.07	0.037476571	0.049032266
ENSG00000100138	NHP2L1	375.27	350.07	-1.07	0.007383936	0.013233313
ENSG00000103035	PSMD7	128.24	119.6	-1.07	0.024797363	0.034712757
ENSG00000114416	FXR1	169.06	158.04	-1.07	0.036768702	0.048267667
ENSG00000123562	MORF4L2	438.68	409.88	-1.07	0.010798411	0.017697564

ENSG00000127616	SMARCA4	227.01	211.93	-1.07	0.015816058	0.02389113
ENSG00000135624	CCT7	864.22	805.91	-1.07	0.008754554	0.015105285
ENSG00000143933	CALM2	896.89	834.87	-1.07	0.037822775	0.049397049
ENSG00000156467	UQCRB	379.01	354	-1.07	0.009718843	0.016372104
ENSG00000044574	HSPA5	612.34	578.16	-1.06	0.006483119	0.012065062
ENSG00000100028	SNRPD3	261.9	246.19	-1.06	0.020765717	0.029970506
ENSG00000116774	OLFML3	320.21	303.38	-1.06	0.004016826	0.00856237
ENSG00000144043	TEX261	135.16	127.37	-1.06	0.013295027	0.020735915
ENSG00000156976	EIF4A2	527.33	497.88	-1.06	0.020217849	0.029345908
ENSG00000158417	EIF5B	116.99	109.89	-1.06	0.000147495	0.001132123
ENSG00000170606	HSPA4	185.65	174.37	-1.06	0.031723658	0.042774783
ENSG00000175061	LRRC75A-AS1	472.03	445.49	-1.06	0.022683182	0.032261504
ENSG00000014641	MDH1	389.32	369.16	-1.05	0.020051553	0.029169514
ENSG00000113013	HSPA9	346.7	329.84	-1.05	0.001917676	0.005008166
ENSG00000136810	TXN	397.05	378.55	-1.05	0.010885428	0.017800376
ENSG00000161057	PSMC2	132.73	126.92	-1.05	0.006052752	0.011468608
ENSG00000180867	PDIA3P1	227.41	216.18	-1.05	0.008258023	0.014429394
ENSG00000266412	NCOA4	102.65	97.49	-1.05	0.014917903	0.022816479
ENSG00000074696	HACD3	137.57	132.35	-1.04	0.005137576	0.010200294
ENSG00000144136	SLC20A1	153.26	146.78	-1.04	0.004113499	0.008705002
ENSG00000254772	EEF1G	542.95	523.39	-1.04	0.005157233	0.010234184
ENSG00000107581	EIF3A	180.35	174.96	-1.03	0.025589504	0.035659899
ENSG00000140612	SEC11A	192.43	198.27	1.03	0.012976108	0.020410916
ENSG00000183255	PTTG1IP	197.75	203.94	1.03	0.000720742	0.002739102
ENSG00000106028	SSBP1	231.04	241.66	1.05	0.028796767	0.039408224
ENSG00000116752	BCAS2	120.1	126.26	1.05	0.025669505	0.035754388
ENSG00000136522	MRPL47	95.62	100.63	1.05	0.02829051	0.038833228
ENSG00000087302	C14orf166	248.89	263.17	1.06	0.033572856	0.044743461

ENSG00000101150	TPD52L2	203.02	216.01	1.06	0.018365369	0.027052128
ENSG00000101608	MYL12A	664.84	707.06	1.06	0.015442993	0.02346576
ENSG00000116898	MRPS15	181.88	192.18	1.06	0.028055477	0.0385467
ENSG00000125844	RRBP1	126.4	133.5	1.06	0.000246336	0.00145763
ENSG00000142871	CYR61	176.99	187.32	1.06	0.030331158	0.041143167
ENSG00000158470	B4GALT5	121.11	128.5	1.06	0.019801665	0.028856105
ENSG00000167315	ACAA2	135.93	144.76	1.06	0.029992282	0.040721173
ENSG00000082641	NFE2L1	372.45	398.75	1.07	0.011605019	0.018690424
ENSG00000085377	PREP	89.21	95.62	1.07	0.009361007	0.015869599
ENSG00000086232	EIF2AK1	126.95	136.42	1.07	0.0331177	0.044287844
ENSG00000089248	ERP29	186.22	200.05	1.07	0.032420665	0.043494574
ENSG00000100528	CNIH1	182.24	194.9	1.07	0.032731491	0.043841358
ENSG00000133983	COX16	86.99	93.04	1.07	0.017268812	0.025695081
ENSG00000136732	GYPC	163.77	174.56	1.07	0.023495344	0.033183212
ENSG00000136950	ARPC5L	86.56	93.02	1.07	0.00302938	0.006985562
ENSG00000159377	PSMB4	421.55	451.36	1.07	0.034395612	0.045639198
ENSG00000166136	NDUFB8	411.07	440.31	1.07	0.031776996	0.042827501
ENSG00000168710	AHCYL1	72.72	77.74	1.07	0.028698274	0.039291777
ENSG00000182916	TCEAL7	75.37	80.48	1.07	0.007142658	0.01291537
ENSG00000213593	TMX2	91.85	98.33	1.07	0.001295915	0.003911089
ENSG00000215414	PSMA6P1	70.79	75.85	1.07	0.032049617	0.043105265
ENSG00000244457	ENO1P1	151.33	161.59	1.07	0.02946497	0.040163316
ENSG00000031698	SARS	186.01	201.53	1.08	0.004020321	0.00856237
ENSG00000065802	ASB1	66.85	72.22	1.08	0.016995182	0.025365168
ENSG00000070831	CDC42	101.31	109.8	1.08	0.001171046	0.003656557
ENSG00000090863	GLG1	113.61	122.92	1.08	0.012455854	0.01977291
ENSG00000100401	RANGAP1	113.39	121.94	1.08	0.001918203	0.005008166
ENSG00000119705	SLIRP	159.07	171.44	1.08	0.006978851	0.012713259



ENSG00000125970	RALY	252.73	273.71	1.08	0.010307084	0.017068833
ENSG00000137575	SDCBP	249.33	269.04	1.08	0.008561845	0.014862836
ENSG00000143924	EML4	74.84	80.84	1.08	0.022723212	0.032294938
ENSG00000148672	GLUD1	80.58	87.26	1.08	0.010160917	0.016898361
ENSG00000164122	ASB5	329.24	356.53	1.08	0.037039792	0.048580036
ENSG00000169604	ANTXR1	166.99	180.04	1.08	0.018847074	0.027670562
ENSG00000171033	PKIA	77.54	83.87	1.08	0.017757198	0.026314937
ENSG00000174744	BRMS1	71.67	77.54	1.08	0.021300068	0.03064367
ENSG00000175324	LSM1	100.19	108.47	1.08	0.034543371	0.045795247
ENSG00000214046	SMIM7	125.14	134.76	1.08	0.032524579	0.043588187
ENSG00000036257	CUL3	143.13	156.36	1.09	0.034791055	0.046063389
ENSG00000064490	RFXANK	127.44	139.52	1.09	0.022186615	0.031662767
ENSG00000070087	PFN2	316.46	346.09	1.09	0.0127337	0.020126797
ENSG00000077235	GTF3C1	130.31	142	1.09	0.035979409	0.047421668
ENSG00000101367	MAPRE1	143.12	155.45	1.09	0.016130185	0.02425224
ENSG00000103423	DNAJA3	61.1	66.49	1.09	0.014467191	0.022260721
ENSG00000112695	COX7A2	681.85	744.72	1.09	0.037498936	0.049050582
ENSG00000115415	STAT1	96.05	105.13	1.09	0.018865641	0.027683747
ENSG00000116459	ATP5F1	342.37	373.62	1.09	0.002448997	0.005966314
ENSG00000124226	RNF114	69.99	76.15	1.09	0.00681825	0.01251008
ENSG00000142669	SH3BGRL3	534.21	584	1.09	0.035981533	0.047421668
ENSG00000143641	GALNT2	108.2	117.67	1.09	0.016563769	0.024784369
ENSG00000147065	MSN	194.27	211.6	1.09	0.01314409	0.020581293
ENSG00000162642	C1orf52	74.66	81.54	1.09	0.020791901	0.02999387
ENSG00000163466	ARPC2	846.51	920.89	1.09	0.024736295	0.03464381
ENSG00000164244	PRRC1	65.06	71.09	1.09	0.017680377	0.026220561
ENSG00000183853	KIRREL	69.04	75.34	1.09	0.001767224	0.004744963
ENSG00000185222	WBP5	213.28	232.23	1.09	0.013336062	0.020782

ENSG00000188643	S100A16	553.62	604.23	1.09	0.018800793	0.02761028
ENSG00000213401	MAGEA12	80.57	87.63	1.09	0.003304747	0.007438903
ENSG00000225137	DYNC1I2P1	104.09	113.41	1.09	0.009225652	0.015691638
ENSG00000259032	ENSAP2	135.13	147.64	1.09	0.001937225	0.005044355
ENSG00000056097	ZFR	102.24	112.41	1.1	0.031255041	0.042220585
ENSG00000072958	AP1M1	159.35	175.81	1.1	0.00795809	0.014022308
ENSG00000084073	ZMPSTE24	58.57	64.22	1.1	0.011783489	0.018935299
ENSG00000087274	ADD1	135.75	149.78	1.1	0.031837845	0.042879449
ENSG00000090266	NDUFB2	257.08	281.61	1.1	0.017991471	0.026607478
ENSG00000100983	GSS	66.24	72.59	1.1	0.026605524	0.036874212
ENSG00000104341	LAPTM4B	166.6	183.86	1.1	9.67E-06	0.000347826
ENSG00000105058	FAM32A	153.25	168.35	1.1	0.001655787	0.004520987
ENSG00000110906	KCTD10	61.1	67.22	1.1	0.001548803	0.004358053
ENSG00000124164	VAPB	89.63	98.66	1.1	0.000279491	0.001566858
ENSG00000127540	UQCR11	448.33	491.99	1.1	0.028001324	0.038493004
ENSG00000129084	PSMA1	301.58	331.98	1.1	0.025313761	0.03533442
ENSG00000140157	NIPA2	71.83	78.84	1.1	0.012152544	0.019433465
ENSG00000140319	SRP14	406.18	447.73	1.1	0.031222022	0.042205149
ENSG00000143198	MGST3	187.21	205.08	1.1	0.010968408	0.017891166
ENSG00000153395	LPCAT1	51.95	57.2	1.1	0.014079966	0.021779192
ENSG00000162813	BPNT1	63.71	69.81	1.1	0.002026956	0.005204059
ENSG00000163156	SCNM1	78.37	85.89	1.1	0.029145968	0.039821052
ENSG00000164039	BDH2	66	72.85	1.1	0.019887685	0.02896706
ENSG00000164944	KIAA1429	88.67	97.11	1.1	0.00555799	0.01080664
ENSG00000172586	CHCHD1	59.47	65.55	1.1	0.006937238	0.012664995
ENSG00000172974	AC007318.5	216.68	237.49	1.1	0.037170069	0.048692604
ENSG00000173402	DAG1	90.11	98.84	1.1	0.005466994	0.010671922
ENSG00000175183	CSRP2	259.44	286.27	1.1	0.000374439	0.001856052

ENSG00000178988	MRFAP1L1	94.77	104.01	1.1	0.000739554	0.002777824
ENSG00000185122	HSF1	90.67	99.41	1.1	0.000949812	0.003208351
ENSG00000197043	ANXA6	394.61	433.72	1.1	0.022143435	0.031608837
ENSG00000197157	SND1	189.53	208.58	1.1	0.005864346	0.011208777
ENSG00000213614	HEXA	133.69	146.63	1.1	0.016052814	0.024155428
ENSG00000267809	NDUFV2P1	56.02	61.82	1.1	0.035780469	0.047213472
ENSG00000000003	TSPAN6	55.89	62.02	1.11	0.005504429	0.010723578
ENSG00000025800	KPNA6	52.69	58.67	1.11	0.002641221	0.006285762
ENSG00000095261	PSMD5	75.09	83.54	1.11	0.036411237	0.047894906
ENSG00000102401	ARMCX3	49.96	55.47	1.11	0.000834019	0.002942626
ENSG00000107821	KAZALD1	67.27	74.58	1.11	0.006404133	0.01195982
ENSG00000111481	COPZ1	112.22	124.76	1.11	0.000464479	0.002102785
ENSG00000115641	FHL2	64.16	71.24	1.11	0.004187423	0.008823229
ENSG00000121064	SCPEP1	163.54	182.07	1.11	0.001297974	0.003915288
ENSG00000126067	PSMB2	361.21	399.23	1.11	0.015655163	0.023696921
ENSG00000134375	TIMM17A	140.07	155.4	1.11	0.001245485	0.003809101
ENSG00000136827	TOR1A	83.65	92.84	1.11	0.011313085	0.01830572
ENSG00000141101	NOB1	75.8	84.06	1.11	0.001877126	0.004941775
ENSG00000141522	ARHGDIA	602.07	671.27	1.11	0.010217051	0.016967654
ENSG00000143543	JTB	126.66	140.65	1.11	0.021648015	0.031046964
ENSG00000147669	POLR2K	71.7	79.53	1.11	0.020934357	0.030176762
ENSG00000147912	FBXO10	49.74	55.32	1.11	0.023634247	0.033331222
ENSG00000157954	WIPI2	92.11	102	1.11	0.021054844	0.03033553
ENSG00000159352	PSMD4	435.52	482.52	1.11	0.024239674	0.034078506
ENSG00000163902	RPN1	254.47	283.25	1.11	0.004610771	0.009439534
ENSG00000168002	POLR2G	69.99	77.96	1.11	0.033227765	0.044414775
ENSG00000168615	ADAM9	120.5	133.56	1.11	0.00869257	0.015023056
ENSG00000170175	CHRN1	89.06	99.24	1.11	0.005196814	0.010296694

ENSG00000170445	HARS	137.87	152.71	1.11	0.007575999	0.013495036
ENSG00000173457	PPP1R14B	570.07	630.65	1.11	0.002510771	0.006071406
ENSG00000173812	EIF1	516.74	572.39	1.11	0.011773296	0.018925058
ENSG00000174903	RAB1B	146.68	162.26	1.11	0.009995639	0.016723089
ENSG00000176978	DPP7	115.23	128.31	1.11	0.025727073	0.035826064
ENSG00000177370	TIMM22	45.38	50.59	1.11	0.002724975	0.006445847
ENSG00000182013	PNMAL1	92.61	102.34	1.11	0.000540509	0.002275389
ENSG00000185043	CIB1	66.46	74.07	1.11	0.001424999	0.004129092
ENSG00000196776	CD47	91.34	100.96	1.11	0.018392337	0.027085049
ENSG00000197912	SPG7	63.37	70.26	1.11	0.017429559	0.025901403
ENSG00000204356	NELFE	122.43	135.86	1.11	0.004063807	0.00863099
ENSG00000204394	VAR5	113.33	125.81	1.11	0.024967383	0.034909092
ENSG00000205250	E2F4	61.26	67.98	1.11	0.017773555	0.026325872
ENSG00000232320	AC009299.5	68.39	75.64	1.11	0.011114594	0.018064296
ENSG00000233276	GPX1	2107.85	2337.21	1.11	0.021391657	0.030760342
ENSG00000004059	ARF5	109.19	121.9	1.12	0.000435251	0.002029972
ENSG00000011028	MRC2	86.46	97.15	1.12	0.005701287	0.011022865
ENSG00000026025	VIM	3406.4	3816.03	1.12	0.000101008	0.000956881
ENSG00000031823	RANBP3	159.69	179.36	1.12	0.003046528	0.007016826
ENSG00000063854	HAGH	47.99	53.55	1.12	0.008343692	0.014548739
ENSG00000064300	NGFR	570.51	637.43	1.12	0.002041494	0.00523222
ENSG00000091732	ZC3HC1	76.11	85.51	1.12	0.000379919	0.001865866
ENSG00000095380	NANS	57.61	64.69	1.12	0.014783356	0.022634361
ENSG00000103495	MAZ	168.08	188.86	1.12	0.007673032	0.013622362
ENSG00000105993	DNAJB6	105.83	118.51	1.12	0.001054576	0.003425276
ENSG00000109929	SC5D	64.43	72.44	1.12	0.008265174	0.014437587
ENSG00000114784	EIF1B	63.66	71.42	1.12	0.008152083	0.014269795
ENSG00000115084	SLC35F5	97.7	109.76	1.12	0.013432311	0.020909762

ENSG00000115446	UNC50	48.15	54.1	1.12	0.022365391	0.03187251
ENSG00000115661	STK16	44.64	49.91	1.12	0.004679421	0.009527822
ENSG00000118418	HMG3	102.04	114.08	1.12	0.035296268	0.04663752
ENSG00000118523	CTGF	206.6	230.79	1.12	0.005289824	0.010430238
ENSG00000128463	EMC4	148.94	167.43	1.12	0.006604828	0.012239651
ENSG00000129083	COPB1	158.62	177.71	1.12	0.000989102	0.003291268
ENSG00000130638	ATXN10	146.97	165.25	1.12	0.034549484	0.045795247
ENSG00000132386	SERPINF1	253.48	282.72	1.12	0.007918561	0.013969447
ENSG00000138443	ABI2	80.52	90.34	1.12	0.029749089	0.040456553
ENSG00000140259	MFAP1	47.75	53.34	1.12	0.008682929	0.015010818
ENSG00000143418	CERS2	305.9	341.1	1.12	0.00074556	0.002781934
ENSG00000146425	DYNLT1	320.72	360.58	1.12	0.004901975	0.009847613
ENSG00000151929	BAG3	60.59	67.72	1.12	0.006675844	0.012333695
ENSG00000155959	VBP1	63.39	71.19	1.12	0.001407785	0.00410554
ENSG00000156515	HK1	81.59	91.36	1.12	0.0007465	0.002781934
ENSG00000159842	ABR	103.58	116.52	1.12	0.013283894	0.020735915
ENSG00000160691	SHC1	301.85	336.97	1.12	0.023994768	0.033758474
ENSG00000162517	PEF1	101.74	113.6	1.12	0.008014225	0.014100035
ENSG00000163866	SMIM12	86.36	96.87	1.12	0.012379403	0.019690255
ENSG00000164713	BRI3	169.68	190.31	1.12	0.008074554	0.014172064
ENSG00000164885	CDK5	71.41	79.85	1.12	0.029078543	0.03973819
ENSG00000166681	NGFRAP1	380.17	425.68	1.12	0.003111745	0.007127841
ENSG00000168003	SLC3A2	90.28	101.38	1.12	0.010830314	0.017734979
ENSG00000170242	USP47	45.51	51.12	1.12	0.00897639	0.015395599
ENSG00000170581	STAT2	55.59	62.46	1.12	0.000904934	0.00311051
ENSG00000175550	DRAP1	127.85	143.31	1.12	0.037844442	0.049414341
ENSG00000179134	SAMD4B	160.88	179.51	1.12	0.013222459	0.020665378
ENSG00000181019	NQO1	403.63	451.86	1.12	0.009869092	0.016577587

ENSG00000182473	EXOC7	130.12	145.33	1.12	0.012102529	0.019374619
ENSG00000187955	COL14A1	114.21	127.51	1.12	0.00238181	0.005851249
ENSG00000197265	GTF2E2	90.5	101.07	1.12	0.023731022	0.033448455
ENSG00000197694	SPTAN1	320.44	358.58	1.12	0.012980303	0.02041204
ENSG00000198930	CSAG1	164.92	185.5	1.12	0.00130187	0.003921242
ENSG00000214552	COPS8P2	105.96	119.16	1.12	0.000802761	0.002877379
ENSG00000218739	CEBPZOS	54.79	61.12	1.12	0.010043297	0.016788454
ENSG00000243943	ZNF512	51.33	57.63	1.12	0.017565462	0.026078314
ENSG00000244405	ETV5	44.99	50.38	1.12	0.002453742	0.005975078
ENSG00000002330	BAD	76.57	86.85	1.13	0.012316222	0.019641645
ENSG00000013583	HEBP1	37.56	42.62	1.13	0.007536644	0.013454008
ENSG00000014216	CAPN1	107.39	121.16	1.13	0.002407126	0.005888772
ENSG00000026508	CD44	364.43	413.42	1.13	0.000585302	0.00238625
ENSG00000050426	LETMD1	37.66	42.69	1.13	0.018070428	0.026671278
ENSG00000068654	POLR1A	51.13	57.9	1.13	0.005033127	0.010046594
ENSG00000080822	CLDND1	74.37	83.97	1.13	0.022721411	0.032294938
ENSG00000115207	GTF3C2	128.23	144.57	1.13	0.011198388	0.018160218
ENSG00000115233	PSMD14	178.44	202.15	1.13	0.001506311	0.004277486
ENSG00000115963	RND3	379.47	429.93	1.13	0.007048788	0.012796933
ENSG00000117362	APH1A	198.37	224.09	1.13	0.010943422	0.017875272
ENSG00000119682	AREL1	38.98	44.09	1.13	0.02123236	0.030559069
ENSG00000119760	SUPT7L	77.06	87.11	1.13	0.008624554	0.014949567
ENSG00000128606	LRRC17	596.72	676.51	1.13	0.006565724	0.012180135
ENSG00000131236	CAP1	320.86	363.97	1.13	0.000262638	0.001517348
ENSG00000131462	TUBG1	71.63	81.01	1.13	0.012287885	0.019612784
ENSG00000132155	RAF1	107.78	122.12	1.13	0.002216454	0.005563907
ENSG00000134077	THUMPD3	40.94	46.32	1.13	0.012791153	0.020195832
ENSG00000134910	STT3A	250.52	282.55	1.13	0.024494988	0.034363303

ENSG00000135940	COX5B	188.75	213.92	1.13	0.002805406	0.006585628
ENSG00000137845	ADAM10	74.47	83.85	1.13	0.004493988	0.00927587
ENSG00000139926	FRMD6	51.71	58.2	1.13	0.015376416	0.023383636
ENSG00000140374	ETFA	193.39	218.52	1.13	0.023147871	0.032773291
ENSG00000142168	SOD1	217.72	246.54	1.13	0.022340593	0.03185925
ENSG00000147872	PLIN2	62.82	71.26	1.13	0.004730227	0.009611244
ENSG00000148926	ADM	79.23	89.14	1.13	0.003807166	0.008236493
ENSG00000155115	GTF3C6	123.65	140.07	1.13	0.015716645	0.023771577
ENSG00000160932	LY6E	133.63	151.21	1.13	0.017520293	0.02602305
ENSG00000164961	KIAA0196	56.51	64	1.13	0.028710837	0.039299801
ENSG00000165678	GHITM	114.72	130.08	1.13	0.002640917	0.006285762
ENSG00000168282	MGAT2	38.04	43.07	1.13	0.006264296	0.011762353
ENSG00000169189	NSMCE1	69.32	78.33	1.13	0.025803185	0.035906473
ENSG00000169714	CNBP	383.65	431.78	1.13	0.00054188	0.002279472
ENSG00000169976	SF3B5	180.58	203.73	1.13	0.010345805	0.017118454
ENSG00000170027	YWHAG	303.45	342.7	1.13	0.000535352	0.002264713
ENSG00000170473	WIBG	47.98	54.4	1.13	0.003476064	0.007706479
ENSG00000175224	ATG13	77.96	87.86	1.13	0.031901483	0.042945431
ENSG00000187954	CYHR1	49.9	56.21	1.13	0.001920771	0.00501041
ENSG00000188725	SMIM15	75.97	85.65	1.13	0.004934566	0.009902908
ENSG00000197702	PARVA	45.5	51.52	1.13	0.001920359	0.00501041
ENSG00000198054	DSCR8	87.89	99.32	1.13	0.012180211	0.019472399
ENSG00000204120	GIGYF2	69.25	78.56	1.13	0.012765988	0.020172394
ENSG00000219200	RNASEK	200.62	226.07	1.13	0.029462481	0.040163316
ENSG00000257727	CNPY2	321.16	363.29	1.13	0.011180854	0.018145494
ENSG00000274523	WBSCR16	85.09	96.13	1.13	0.005310296	0.010460052
ENSG00000058091	CDK14	40.55	46.4	1.14	0.023598294	0.033312565
ENSG00000068308	OTUD5	52.17	59.57	1.14	0.006729615	0.012390098

ENSG00000099341	PSMD8	334.71	380.94	1.14	0.001425185	0.004129092
ENSG00000101346	POFUT1	72.5	82.46	1.14	0.000684216	0.002650093
ENSG00000104067	TJP1	37.31	42.46	1.14	0.02394091	0.033690784
ENSG00000110048	OSBP	35.86	40.96	1.14	0.034158533	0.045410482
ENSG00000110911	SLC11A2	39.91	45.36	1.14	0.00162634	0.004489043
ENSG00000115129	TP53I3	151.6	173.51	1.14	0.00867354	0.014999008
ENSG00000115234	SNX17	104.3	118.44	1.14	0.000960736	0.003234072
ENSG00000120742	SERP1	65.19	74.24	1.14	0.018434405	0.027140183
ENSG00000122218	COPA	213.46	242.72	1.14	0.000593784	0.002403003
ENSG00000124214	STAU1	115.58	131.86	1.14	6.70E-05	0.000781535
ENSG00000125651	GTF2F1	166.32	189.31	1.14	0.00948684	0.016041185
ENSG00000126214	KLC1	130.36	148.93	1.14	0.006048711	0.011468608
ENSG00000128699	ORMDL1	206.95	236.12	1.14	0.002986777	0.006906333
ENSG00000130725	UBE2M	125.93	143.16	1.14	0.000512667	0.002205634
ENSG00000132912	DCTN4	57.52	65.32	1.14	0.003334797	0.007477973
ENSG00000135698	MPHOSPH6	66.75	75.77	1.14	0.002365294	0.00582532
ENSG00000137962	ARHGAP29	54.36	62.13	1.14	0.028364651	0.038907675
ENSG00000138081	FBXO11	54.35	61.82	1.14	0.032322485	0.043412518
ENSG00000143222	UFC1	157.55	179.84	1.14	0.009110168	0.015570396
ENSG00000143420	ENSA	195.58	222.41	1.14	0.00703009	0.012776621
ENSG00000146535	GNA12	60.31	69.04	1.14	0.007036119	0.012781847
ENSG00000158526	TSR2	54.19	61.77	1.14	0.005916551	0.011275481
ENSG00000160075	SSU72	148.8	169.71	1.14	0.001138683	0.003587983
ENSG00000161847	RAVER1	52.88	60.54	1.14	0.037708628	0.049291885
ENSG00000165661	QSOX2	52.67	60.13	1.14	0.026976914	0.037318382
ENSG00000166228	PCBD1	136.87	156.62	1.14	0.008706999	0.01504356
ENSG00000166794	PPIB	849.22	969.69	1.14	0.001429778	0.004140354
ENSG00000170296	GABARAP	590.47	670.96	1.14	0.028174867	0.038692605



ENSG00000171206	TRIM8	45.46	51.86	1.14	0.010402315	0.017192552
ENSG00000173821	RNF213	47.27	53.85	1.14	0.021178123	0.030505653
ENSG00000175215	CTDSP2	107.44	122.31	1.14	0.004708358	0.009573444
ENSG00000182287	AP1S2	42.92	49.12	1.14	0.006486115	0.012066808
ENSG00000196396	PTPN1	44.05	50.21	1.14	0.000836058	0.00294628
ENSG00000198860	TSEN15	62.75	71.6	1.14	0.002643861	0.006289494
ENSG00000198954	KIF1BP	39.52	44.86	1.14	0.006889501	0.012609146
ENSG00000204272	LINC01420	61.25	69.88	1.14	0.008972397	0.015393252
ENSG00000261461	UBE2MP1	94.57	107.43	1.14	0.014722377	0.022564563
ENSG00000050130	JKAMP	68.6	79.03	1.15	0.000119667	0.001045798
ENSG00000062485	CS	173.6	199.85	1.15	0.009961495	0.016685006
ENSG00000064042	LIMCH1	47.01	54.19	1.15	0.001653498	0.004520332
ENSG00000067066	SP100	63.21	72.86	1.15	0.008747693	0.015100521
ENSG00000076108	BAZ2A	69.86	80.35	1.15	0.015495742	0.023522401
ENSG00000077380	DYNC1I2	124.95	143.46	1.15	0.008418378	0.014652826
ENSG00000078142	PIK3C3	61.18	70.25	1.15	0.01574952	0.023802883
ENSG00000086289	EPDR1	67.68	78.03	1.15	0.009124351	0.015585551
ENSG00000089053	ANAPC5	127.35	146.23	1.15	0.002142963	0.005423538
ENSG00000102699	PARP4	48.72	56.01	1.15	0.001640333	0.004505345
ENSG00000104490	NCALD	59.71	68.84	1.15	0.020915595	0.03015713
ENSG00000106245	BUD31	255.57	295.06	1.15	0.01127498	0.018259177
ENSG00000117519	CNN3	647.03	741.25	1.15	0.00329386	0.007426065
ENSG00000117640	MTFR1L	41.98	48.3	1.15	0.001052978	0.003423448
ENSG00000119185	ITGB1BP1	221.69	255.83	1.15	0.004305686	0.009014117
ENSG00000120333	MRPS14	60.84	69.82	1.15	0.001588408	0.004430068
ENSG00000121022	COPS5	121.65	140.01	1.15	0.003268869	0.007383917
ENSG00000124357	NAGK	131.05	150.41	1.15	0.020369602	0.029522329
ENSG00000125304	TM9SF2	64.57	74.03	1.15	0.009480213	0.01603923

ENSG00000125398	SOX9	39.26	45.21	1.15	0.003691506	0.008068204
ENSG00000126934	MAP2K2	178.43	205.93	1.15	0.003628794	0.00796118
ENSG00000127870	RNF6	37.06	42.72	1.15	0.020645942	0.029824233
ENSG00000131504	DIAPH1	66.02	75.75	1.15	0.031790965	0.042827501
ENSG00000131966	ACTR10	118.82	136.16	1.15	0.034059225	0.045288729
ENSG00000133318	RTN3	97.3	112	1.15	0.006272762	0.011770712
ENSG00000136436	CALCOCO2	92.8	106.59	1.15	0.002369997	0.005834451
ENSG00000136830	FAM129B	298.57	344.59	1.15	0.014143235	0.021865523
ENSG00000137936	BCAR3	89.42	102.48	1.15	0.013156358	0.020595004
ENSG00000139644	TMBIM6	370.19	425.17	1.15	0.001032949	0.003390642
ENSG00000144867	SRPRB	52.93	60.86	1.15	0.03242834	0.04349492
ENSG00000147457	CHMP7	75.7	86.8	1.15	0.009097279	0.015552899
ENSG00000147684	NDUFB9	281.85	324.75	1.15	0.00121988	0.003753964
ENSG00000150991	UBC	1326.38	1521.66	1.15	0.008082937	0.014174145
ENSG00000155975	VPS37A	48.46	55.82	1.15	0.003438744	0.00763818
ENSG00000156502	SUPV3L1	59.52	68.16	1.15	0.005828784	0.011162636
ENSG00000159069	FBXW5	60.53	69.67	1.15	0.016826644	0.02513911
ENSG00000160991	ORAI2	48.53	55.67	1.15	0.02120507	0.030536968
ENSG00000164828	SUN1	147.62	170.39	1.15	0.003386177	0.007558638
ENSG00000168872	DDX19A	39.3	45.27	1.15	0.001035002	0.003390642
ENSG00000170142	UBE2E1	139.28	160.54	1.15	0.013341636	0.020785163
ENSG00000170876	TMEM43	102.45	117.33	1.15	0.000214045	0.001356931
ENSG00000173905	GOLIM4	38.72	44.4	1.15	0.014649722	0.022470827
ENSG00000178202	KDELC2	102.98	118.13	1.15	0.02770621	0.038129363
ENSG00000181038	METTL23	34.75	39.87	1.15	0.03179197	0.042827501
ENSG00000183978	COA3	92.97	107.3	1.15	0.003424211	0.007614552
ENSG00000188554	NBR1	45.27	52.16	1.15	0.007778721	0.013768312
ENSG00000189050	RNFT1	38.55	44.34	1.15	0.028349473	0.038895954

ENSG00000196182	STK40	81.55	93.64	1.15	0.000995092	0.003306075
ENSG00000196305	IARS	266.84	305.62	1.15	0.000958339	0.003231569
ENSG00000205155	PSENE1	140.39	161.46	1.15	0.002218074	0.005565591
ENSG00000235106	LINC00094	34.53	39.86	1.15	0.034408406	0.045639198
ENSG00000237264	FTH1P11	117.37	135.08	1.15	0.025838476	0.035947051
ENSG00000244187	TMEM141	43.74	50.31	1.15	0.025085792	0.03504958
ENSG00000249915	PDCD6	105.62	121.95	1.15	0.002837957	0.006648733
ENSG00000253570	RNF5P1	62.5	72.02	1.15	0.034323625	0.045578292
ENSG00000254999	BRK1	213.05	246.07	1.15	0.002362288	0.005821334
ENSG00000255302	EID1	137.21	157.96	1.15	0.001024956	0.003374702
ENSG00000260747	RP11-421N8.1	85.29	98.2	1.15	0.005456908	0.01065933
ENSG00000278845	MRPL45	47.71	54.72	1.15	0.002110406	0.005377026
ENSG00000008394	MGST1	34.95	40.7	1.16	0.014377826	0.022181418
ENSG00000061676	NCKAP1	209.19	241.99	1.16	0.007084997	0.01283882
ENSG00000065308	TRAM2	45.23	52.25	1.16	0.0031551	0.007190637
ENSG00000066322	ELOVL1	184.77	214.38	1.16	0.010089233	0.016837651
ENSG00000070367	EXOC5	54.28	62.96	1.16	0.035726893	0.047164003
ENSG00000074319	TSG101	148.39	172.29	1.16	0.006284868	0.011785885
ENSG00000075420	FNDC3B	66.72	77.37	1.16	0.006902894	0.01262235
ENSG00000078246	TULP3	33.12	38.41	1.16	0.007817749	0.013820706
ENSG00000085231	AK6	74.03	85.74	1.16	0.002447768	0.005965798
ENSG00000102316	MAGED2	293.29	340.28	1.16	0.005336885	0.010480742
ENSG00000105669	COPE	333.6	387.29	1.16	0.029056912	0.039717887
ENSG00000106609	TMEM248	96.73	112.47	1.16	0.003563234	0.007861099
ENSG00000108001	EBF3	57.63	66.6	1.16	0.020076989	0.029192458
ENSG00000108691	CCL2	41.77	48.26	1.16	0.018957185	0.027777344
ENSG00000109572	CLCN3	32.08	37.17	1.16	0.031643421	0.042705873
ENSG00000112759	SLC29A1	79.84	92.98	1.16	0.000534954	0.002264713

ENSG00000113407	TARS	188.35	219	1.16	0.008163244	0.014285068
ENSG00000115464	USP34	73.08	85.1	1.16	0.006413857	0.011974166
ENSG00000117054	ACADM	68.81	80.05	1.16	0.010105624	0.016845264
ENSG00000117419	ERI3	89.5	103.82	1.16	0.004871128	0.009806729
ENSG00000119383	PPP2R4	284.77	329.53	1.16	0.002398525	0.005877538
ENSG00000119421	NDUFA8	203.64	236.21	1.16	0.014947212	0.02284944
ENSG00000119638	NEK9	49.88	57.94	1.16	0.024759483	0.034668006
ENSG00000126088	UROD	155.77	180.41	1.16	0.026148556	0.036300932
ENSG00000130479	MAP1S	33.78	39.32	1.16	0.027134454	0.037482625
ENSG00000131873	CHSY1	46.65	53.96	1.16	0.001726867	0.004672979
ENSG00000136933	RABEPK	39.25	45.35	1.16	0.004227048	0.008884376
ENSG00000136986	DERL1	109.69	127.35	1.16	0.032135593	0.043201082
ENSG00000137692	DCUN1D5	58.04	67.46	1.16	0.00101794	0.003362928
ENSG00000138379	MSTN	232.62	269.75	1.16	0.026449586	0.036675426
ENSG00000140264	SERF2	929.35	1077.24	1.16	0.003609328	0.007927004
ENSG00000145740	SLC30A5	46.34	53.56	1.16	0.023887526	0.033639878
ENSG00000145817	YIPF5	60.8	70.72	1.16	0.034628854	0.045869347
ENSG00000148110	HIATL1	52.17	60.69	1.16	5.54E-05	0.000704801
ENSG00000148300	REXO4	42.77	49.61	1.16	0.001271977	0.003855777
ENSG00000160408	ST6GALNAC6	73.46	84.91	1.16	0.001454361	0.004184677
ENSG00000163162	RNF149	81.27	94.49	1.16	0.010523221	0.017338625
ENSG00000163565	IFI16	69.47	80.91	1.16	0.009573313	0.016159444
ENSG00000164096	C4orf3	84.03	97.34	1.16	0.035986771	0.047421668
ENSG00000166780	C16orf45	122.29	141.25	1.16	0.002632673	0.006275609
ENSG00000183283	DAZAP2	128	148.85	1.16	0.006636444	0.012284125
ENSG00000183648	NDUFB1	287.09	333.29	1.16	0.000236632	0.001418823
ENSG00000184076	UQCR10	171.07	198.91	1.16	9.56E-05	0.000930866
ENSG00000186283	TOR3A	44.83	52.09	1.16	0.001999078	0.005150524

ENSG00000187735	TCEA1	56.17	64.92	1.16	0.00439193	0.009135963
ENSG00000197448	GSTK1	70.43	81.85	1.16	0.000155566	0.001168039
ENSG00000198522	GPN1	74.61	86.58	1.16	0.000932144	0.003177671
ENSG00000204316	MRPL38	172.79	201.17	1.16	0.024631477	0.034529999
ENSG00000228264	PSMD8P1	37.81	43.96	1.16	0.035294248	0.04663752
ENSG00000233111	RAB1C	54.97	63.75	1.16	0.032401054	0.04348163
ENSG0000023572	GLRX2	57.61	67.26	1.17	0.011469754	0.018497975
ENSG00000049860	HEXB	108	126.73	1.17	0.019010953	0.027842214
ENSG00000079308	TNS1	37.8	44.35	1.17	0.006117902	0.011550348
ENSG00000100417	PMM1	43.83	51.08	1.17	0.005097018	0.010135271
ENSG00000105171	POP4	97.08	113.81	1.17	0.021723933	0.03110846
ENSG00000106400	ZNHIT1	121.9	142.95	1.17	0.000976027	0.003266289
ENSG00000106617	PRKAG2	61.29	71.94	1.17	0.029769208	0.040474527
ENSG00000107341	UBE2R2	37.41	43.89	1.17	0.002876819	0.006716166
ENSG00000108094	CUL2	64.83	76.11	1.17	0.000123299	0.001061712
ENSG00000110917	MLEC	92.24	107.61	1.17	0.000745625	0.002781934
ENSG00000113719	ERGIC1	118.21	138.72	1.17	0.000308201	0.001661806
ENSG00000114999	TTL	60.31	70.28	1.17	0.000548978	0.00229852
ENSG00000117118	SDHB	212.22	249.28	1.17	0.021517529	0.030895885
ENSG00000119522	DENND1A	33.13	38.73	1.17	0.008830858	0.015185969
ENSG00000120068	HOXB8	88.42	103.35	1.17	0.023734486	0.033448455
ENSG00000121769	FABP3	147.06	172.55	1.17	0.033458894	0.044622004
ENSG00000135070	ISCA1	39.34	45.95	1.17	0.007014659	0.012759392
ENSG00000135932	CAB39	85.22	99.93	1.17	0.024300584	0.034139584
ENSG00000137996	RTCA	62.83	73.79	1.17	0.012440501	0.019759235
ENSG00000140941	MAP1LC3B	102.04	119.52	1.17	0.000132035	0.001085967
ENSG00000143570	SLC39A1	173.14	203.35	1.17	0.002782413	0.006550008
ENSG00000148248	SURF4	401.65	469.02	1.17	0.001370429	0.004042351

ENSG00000150093	ITGB1	298.86	350.84	1.17	0.003408002	0.007595789
ENSG00000154096	THY1	283.39	331.84	1.17	0.008828532	0.015185969
ENSG00000155099	TMEM55A	65.25	76.49	1.17	0.03341887	0.044590199
ENSG00000158019	BRE	50.94	59.55	1.17	0.013116487	0.020554538
ENSG00000159346	ADIPOR1	139.72	163.02	1.17	0.000596665	0.002409713
ENSG00000160613	PCSK7	34.19	39.94	1.17	0.017219707	0.025656087
ENSG00000161526	SAP30BP	127.16	148.72	1.17	0.004288317	0.008987381
ENSG00000161533	ACOX1	44.05	51.53	1.17	0.022422291	0.03193489
ENSG00000163170	BOLA3	86.83	101.4	1.17	0.000155517	0.001168039
ENSG00000165699	TSC1	34.35	40.09	1.17	0.000379247	0.001864127
ENSG00000168090	COPS6	268.09	312.73	1.17	0.00023847	0.001425291
ENSG00000168214	RBPJ	46.54	54.27	1.17	0.008297025	0.014481514
ENSG00000168542	COL3A1	2888.83	3384.92	1.17	0.001126553	0.003556866
ENSG00000175197	DDIT3	60.69	71.26	1.17	0.008774219	0.015128498
ENSG00000175470	PPP2R2D	31.29	36.62	1.17	0.002495333	0.006046542
ENSG00000179222	MAGED1	284.82	332.84	1.17	0.005351265	0.010501947
ENSG00000187239	FNBP1	34.05	39.85	1.17	0.000389138	0.00190305
ENSG00000197903	HIST1H2BK	204.26	239.35	1.17	0.006456333	0.012026663
ENSG00000198612	COPS8	142.24	166.81	1.17	0.002194645	0.005516245
ENSG00000204304	PBX2	46.7	54.59	1.17	0.001394507	0.00408461
ENSG00000224831	RP11-651P23.4	31.46	36.89	1.17	0.008590108	0.014903075
ENSG00000238244	GABARAPL3	41.5	48.41	1.17	0.015541621	0.023567641
ENSG00000262664	OVCA2	39.45	46.23	1.17	0.02640135	0.036617199
ENSG00000269378	ITGB1P1	247.48	288.56	1.17	0.002502577	0.006059089
ENSG00000005486	RHBDD2	104.6	123.87	1.18	0.012206398	0.019503629
ENSG00000006451	RALA	66.72	78.99	1.18	0.001969488	0.005099015
ENSG00000006530	AGK	31.91	37.71	1.18	0.017667585	0.026208631
ENSG00000022277	RTFDC1	143.09	169.45	1.18	0.001026175	0.003376817

ENSG00000064601	CTSA	252.16	296.33	1.18	0.00605118	0.011468608
ENSG00000068697	LAPTM4A	537.26	633.68	1.18	0.009495615	0.016048915
ENSG00000080371	RAB21	35.69	42.08	1.18	0.011398674	0.018423876
ENSG00000094880	CDC23	53.9	63.77	1.18	0.003464229	0.007683146
ENSG00000104756	KCTD9	38.85	45.67	1.18	0.004143497	0.00874324
ENSG00000105953	OGDH	50.72	59.91	1.18	0.000142214	0.00111195
ENSG00000106605	BLVRA	48.95	57.56	1.18	0.014059397	0.021753115
ENSG00000107175	CREB3	31.77	37.35	1.18	0.013292918	0.020735915
ENSG00000108061	SHOC2	28.37	33.52	1.18	0.029659146	0.040371689
ENSG00000111653	ING4	30.1	35.53	1.18	0.003608355	0.007927004
ENSG00000113384	GOLPH3	51.95	61.18	1.18	0.004136886	0.008738136
ENSG00000114209	PDCD10	75.23	88.93	1.18	0.029670397	0.04037763
ENSG00000114354	TFG	50.55	59.88	1.18	0.005000416	0.010006751
ENSG00000114503	NCBP2	106.86	126.58	1.18	0.002026244	0.005204059
ENSG00000114554	PLXNA1	40.75	48.02	1.18	0.03768028	0.04926581
ENSG00000115525	ST3GAL5	122.4	143.83	1.18	1.92E-05	0.000458188
ENSG00000116044	NFE2L2	180.35	212.58	1.18	0.010959176	0.017886059
ENSG00000119321	FKBP15	33.85	40.06	1.18	0.008538611	0.014826921
ENSG00000123472	ATPAF1	49.33	58.29	1.18	0.00127023	0.003855398
ENSG00000124155	PIGT	106.82	125.98	1.18	0.008080787	0.014174145
ENSG00000125841	NRSN2	58.41	69.05	1.18	0.005713175	0.011042208
ENSG00000126890	CTAG2	92.19	108.63	1.18	0.01668298	0.024943649
ENSG00000134371	CDC73	28.87	34.18	1.18	0.011444017	0.018481882
ENSG00000135069	PSAT1	96.03	113.52	1.18	1.18E-05	0.000378774
ENSG00000136238	RAC1	163.47	193.63	1.18	0.00022697	0.001393226
ENSG00000137501	SYTL2	230.26	270.77	1.18	0.00093713	0.003183752
ENSG00000138801	PAPSS1	137.41	162.35	1.18	0.015098423	0.023026568
ENSG00000140859	KIFC3	50.45	59.62	1.18	0.014265739	0.022020082

ENSG00000143324	XPR1	36.18	42.73	1.18	0.008579904	0.014889777
ENSG00000143653	SCCPDH	31.53	37.06	1.18	0.005231362	0.010339301
ENSG00000144566	RAB5A	46.73	55.01	1.18	0.006661213	0.012318307
ENSG00000158435	CNOT11	86.98	102.77	1.18	0.004436275	0.009202093
ENSG00000158850	B4GALT3	170.7	201.99	1.18	0.002269133	0.005659802
ENSG00000161217	PCYT1A	70.52	83.04	1.18	0.003667107	0.008023849
ENSG00000161981	SNRNP25	50.81	60.07	1.18	0.024119609	0.033925975
ENSG00000162298	SYVN1	30.93	36.36	1.18	0.019598965	0.028589138
ENSG00000164751	PEX2	73.13	85.99	1.18	0.002117764	0.005386145
ENSG00000165219	GAPVD1	28.26	33.46	1.18	0.003190142	0.007253584
ENSG00000167272	POP5	46.01	54.08	1.18	0.009707052	0.016361642
ENSG00000171940	ZNF217	36.67	43.16	1.18	0.010827022	0.017734541
ENSG00000172432	GTPBP2	39.22	46.3	1.18	0.022894391	0.032498841
ENSG00000173171	MTX1	29.05	34.28	1.18	0.014252126	0.022004862
ENSG00000182108	DEXI	29.21	34.55	1.18	0.01042502	0.017215522
ENSG00000185619	PCGF3	44.82	52.79	1.18	0.005483358	0.010696744
ENSG00000186469	GNG2	145.17	170.64	1.18	0.024650736	0.034548737
ENSG00000187838	TMEM256-PLSCR3	64.23	75.73	1.18	0.013254999	0.020710716
ENSG00000188343	FAM92A1	31.35	37.03	1.18	0.016232174	0.02437528
ENSG00000213923	CSNK1E	155.42	183.77	1.18	0.013666753	0.021229626
ENSG00000214655	ZSWIM8	61.32	72.55	1.18	0.019354504	0.028274742
ENSG00000218283	MORF4L1P1	288.74	340.44	1.18	0.00065297	0.002573225
ENSG00000260027	HOXB7	86.76	101.97	1.18	0.036848282	0.04833967
ENSG00000005893	LAMP2	118.65	141.48	1.19	0.000557955	0.002317174
ENSG000000055070	SZRD1	109.06	130.13	1.19	0.005727101	0.011058189
ENSG000000063245	EPN1	117.44	139.65	1.19	0.008016663	0.014100094
ENSG000000065911	MTHFD2	105.28	124.8	1.19	0.000852562	0.002984732
ENSG000000068028	RASSF1	35.57	42.42	1.19	0.001400745	0.004095079



ENSG00000070010	UFD1L	154.01	182.96	1.19	0.006159951	0.011614775
ENSG00000072195	SPEG	61.76	73.44	1.19	0.005964718	0.011345154
ENSG00000086065	CHMP5	79.36	94.05	1.19	0.005991808	0.011378947
ENSG00000095139	ARCN1	139.63	165.82	1.19	0.000536939	0.00226682
ENSG00000097007	ABL1	75.16	89.18	1.19	0.000938186	0.003183752
ENSG00000104823	ECH1	356.45	423.38	1.19	0.002708287	0.006421723
ENSG00000105220	GPI	276.53	328.41	1.19	0.001197782	0.003708444
ENSG00000105426	PTPRS	60.28	71.48	1.19	0.008024873	0.01410723
ENSG00000105429	MEGF8	29.36	35.03	1.19	0.01433633	0.022123221
ENSG00000105700	KXD1	129.82	154.41	1.19	0.005081259	0.010107362
ENSG00000106665	CLIP2	44.63	52.89	1.19	0.025509429	0.035565215
ENSG00000114126	TFDP2	89.18	106.33	1.19	0.016447215	0.024628823
ENSG00000117868	ESYT2	57.65	68.52	1.19	0.007308291	0.013109765
ENSG00000123384	LRP1	54.37	64.64	1.19	0.001092978	0.003496869
ENSG00000127920	GNG11	63.76	75.96	1.19	0.005057205	0.010076606
ENSG00000130382	MLLT1	59.3	70.39	1.19	0.011048099	0.017991128
ENSG00000131475	VPS25	77.64	92.51	1.19	0.007302892	0.0131081
ENSG00000132768	DPH2	52.13	61.91	1.19	0.027368021	0.037752547
ENSG00000132842	AP3B1	52.61	62.47	1.19	0.003768035	0.008177557
ENSG00000134330	IAH1	70.84	84.46	1.19	0.031973067	0.043022043
ENSG00000136247	ZDHHC4	59.55	70.97	1.19	0.007609452	0.013538175
ENSG00000137331	IER3	41.9	49.91	1.19	0.008755604	0.015105285
ENSG00000138029	HADHB	111.96	133.56	1.19	0.000739932	0.002777824
ENSG00000139289	PHLDA1	94.74	112.61	1.19	0.000177066	0.001238064
ENSG00000141759	TXNL4A	233.03	276.54	1.19	2.46E-05	0.000503586
ENSG00000142892	PIGK	107.32	127.38	1.19	0.036162775	0.047600115
ENSG00000143515	ATP8B2	80.47	95.98	1.19	0.009161488	0.015621683
ENSG00000144369	FAM171B	78.56	93.67	1.19	0.029249086	0.039924734

ENSG00000145431	PDGFC	54.5	65	1.19	0.006959402	0.012697552
ENSG00000151729	SLC25A4	34.18	40.76	1.19	0.000611911	0.002450988
ENSG00000159579	RSPRY1	33.93	40.43	1.19	0.033800164	0.044985057
ENSG00000165410	CFL2	368.33	436.59	1.19	0.004889044	0.009831273
ENSG00000167110	GOLGA2	117.94	140.9	1.19	0.037753181	0.049339124
ENSG00000168785	TSPAN5	29.14	34.72	1.19	0.036779074	0.048270477
ENSG00000169223	LMAN2	113.03	134.24	1.19	0.00356557	0.007863295
ENSG00000169439	SDC2	241.68	286.53	1.19	0.028470535	0.03902553
ENSG00000169599	NFU1	122.25	145.8	1.19	0.010078504	0.01683291
ENSG00000170899	GSTA4	71.52	85.12	1.19	0.001466133	0.00420786
ENSG00000173926	3-Mar	67.97	81.13	1.19	0.005367067	0.010518878
ENSG00000176105	YES1	43.98	52.38	1.19	0.019586108	0.028577492
ENSG00000179632	MAF1	135.36	161.35	1.19	0.0197488	0.02878622
ENSG00000183520	UTP11L	54.84	65.16	1.19	0.021928317	0.031370492
ENSG00000185624	P4HB	1466.4	1741.4	1.19	0.002765251	0.00652256
ENSG00000196547	MAN2A2	33.69	40.22	1.19	0.015975706	0.024066266
ENSG00000197780	TAF13	158.83	188.93	1.19	0.002354081	0.005805018
ENSG00000197930	ERO1L	42.22	50.13	1.19	0.02932377	0.040008047
ENSG00000197965	MPZL1	90.98	108.5	1.19	8.70E-06	0.000345955
ENSG00000198898	CAPZA2	112.5	133.68	1.19	0.007224191	0.013002658
ENSG00000225026	AC091492.2	41.9	49.83	1.19	0.010106009	0.016845264
ENSG00000225099	ATP6V1E1P1	35.69	42.47	1.19	0.018869702	0.027683747
ENSG00000241889	RP11-435F17.3	27.82	33.02	1.19	0.008661236	0.01498215
ENSG00000006194	ZNF263	25.93	31.16	1.2	0.001882219	0.004941775
ENSG00000008952	SEC62	58.79	70.67	1.2	0.001419279	0.004121805
ENSG00000017260	ATP2C1	58.08	69.92	1.2	0.012941084	0.020366752
ENSG00000030582	GRN	482.39	580.21	1.2	0.019636187	0.028636309
ENSG00000035862	TIMP2	303.31	364.5	1.2	0.00043041	0.0020127

ENSG00000072110	ACTN1	141.75	170.31	1.2	0.010963498	0.017888134
ENSG00000077721	UBE2A	64.47	77.31	1.2	0.004089275	0.008668693
ENSG00000084754	HADHA	176.19	212.05	1.2	0.001642412	0.004508944
ENSG00000100097	LGALS1	1781.48	2139.94	1.2	0.003921466	0.008414004
ENSG00000101079	NDRG3	74.24	88.93	1.2	0.000371037	0.001846912
ENSG00000103415	HMOX2	82.88	99.57	1.2	0.002945418	0.006824153
ENSG00000104980	TIMM44	102.44	123.26	1.2	0.001109011	0.003536499
ENSG00000107874	CUEDC2	95.85	115.39	1.2	0.007571834	0.013491715
ENSG00000108587	GOSR1	31.12	37.19	1.2	0.010993238	0.017906764
ENSG00000112511	PHF1	44.07	53.09	1.2	0.000280588	0.001571505
ENSG00000113194	FAF2	46.01	55.15	1.2	0.001963757	0.005088585
ENSG00000114850	SSR3	256.94	309.37	1.2	0.007154147	0.01292419
ENSG00000116741	RGS2	52.94	63.4	1.2	0.011063849	0.018004762
ENSG00000117280	RAB29	39.92	47.84	1.2	0.000910912	0.00312603
ENSG00000121579	NAA50	131.53	157.55	1.2	0.001499466	0.004262351
ENSG00000124762	CDKN1A	40.51	48.67	1.2	0.000421445	0.001998749
ENSG00000126947	ARMCX1	53.45	64.39	1.2	0.003134401	0.007162949
ENSG00000127481	UBR4	133.94	160.76	1.2	0.00332889	0.007472676
ENSG00000131171	SH3BGRL	79.44	95.47	1.2	0.002882093	0.006719918
ENSG00000131844	MCCC2	32.58	39	1.2	9.31E-05	0.000927438
ENSG00000133687	TMTC1	53.62	64.17	1.2	0.032456973	0.043523369
ENSG00000134717	BTF3L4	72.16	86.95	1.2	0.000726611	0.002756047
ENSG00000135631	RAB11FIP5	46.77	55.96	1.2	0.023315083	0.032976277
ENSG00000136158	SPRY2	215.16	258.36	1.2	0.000115172	0.001029528
ENSG00000136451	VEZF1	39.39	47.46	1.2	0.000891614	0.00308826
ENSG00000138069	RAB1A	291.57	350.27	1.2	0.00096751	0.003249417
ENSG00000138785	INTS12	35.48	42.66	1.2	0.006903116	0.01262235
ENSG00000139112	GABARAPL1	104.77	126.21	1.2	0.002406649	0.005888772

ENSG00000139990	DCAF5	36.21	43.53	1.2	0.000976433	0.003266289
ENSG00000144283	PKP4	42.94	51.56	1.2	0.001782306	0.004765436
ENSG00000145495	6-Mar	64.64	77.69	1.2	0.00034832	0.001777674
ENSG00000155760	FZD7	72.2	86.33	1.2	0.000248217	0.001463384
ENSG00000156253	RWDD2B	32.34	38.67	1.2	0.000117373	0.001033451
ENSG00000158864	NDUFS2	161.3	192.96	1.2	0.030968363	0.04192024
ENSG00000164062	APEH	39.95	47.8	1.2	0.009958688	0.016685006
ENSG00000166224	SGPL1	31.03	37.19	1.2	0.014631719	0.022455209
ENSG00000167552	TUBA1A	1352.99	1618.4	1.2	0.001741666	0.004691378
ENSG00000168288	MMADHC	164.18	196.65	1.2	0.001247154	0.003809101
ENSG00000171109	MFN1	26.55	31.89	1.2	0.010820338	0.017728546
ENSG00000171130	ATP6VOE2	80.15	95.85	1.2	0.010322964	0.017090305
ENSG00000173511	VEGFB	96.78	115.8	1.2	0.023628784	0.033331222
ENSG00000176986	SEC24C	63.48	76.09	1.2	0.000124172	0.001062981
ENSG00000177830	CHID1	117.21	140.35	1.2	0.027032989	0.037378318
ENSG00000177879	AP3S1	51.53	61.58	1.2	0.024445762	0.034318876
ENSG00000182534	MXRA7	233.75	281.12	1.2	0.000745337	0.002781934
ENSG00000184319	RPL23AP82	31.55	37.89	1.2	0.000827855	0.002934966
ENSG00000185070	FLRT2	43.34	51.86	1.2	0.004193209	0.008832248
ENSG00000198000	NOL8	54.25	64.88	1.2	0.010140569	0.016878881
ENSG00000204351	SKIV2L	43.61	52.38	1.2	0.031693985	0.042754435
ENSG00000212802	RPL15P3	423.25	506.73	1.2	0.005881012	0.011233308
ENSG00000213189	BTF3L4P2	146.05	175.41	1.2	0.010150778	0.016886287
ENSG00000213699	SLC35F6	28.25	33.88	1.2	0.003105789	0.007116977
ENSG00000237973	RP5-857K21.6	484.3	580.28	1.2	0.004948563	0.009917421
ENSG00000008283	CYB561	33.29	40.38	1.21	0.000745714	0.002781934
ENSG00000065154	OAT	169.07	204.42	1.21	0.002873805	0.006716166
ENSG00000066117	SMARCD1	103.99	125.52	1.21	0.008337953	0.014543056

ENSG00000072786	STK10	54.08	65.44	1.21	0.00841242	0.014646803
ENSG00000075711	DLG1	63.58	77.18	1.21	0.020630149	0.029815149
ENSG00000075945	KIFAP3	32.35	39.24	1.21	0.006585382	0.012209517
ENSG00000077232	DNAJC10	132.63	160.6	1.21	0.002609107	0.006232098
ENSG00000102024	PLS3	88.62	106.81	1.21	0.000828337	0.002934966
ENSG00000103187	COTL1	184.6	223.02	1.21	0.000173162	0.001224987
ENSG00000105778	AVL9	36.83	44.41	1.21	0.000235234	0.001416484
ENSG00000109270	LAMTOR3	47.74	57.88	1.21	0.004642496	0.009482269
ENSG00000110841	PPFIBP1	68.75	83.23	1.21	0.000197562	0.001297313
ENSG00000114988	LMAN2L	59.19	71.56	1.21	0.007397636	0.013249768
ENSG00000118816	CCNI	186.21	225.3	1.21	0.004260859	0.008945821
ENSG00000119326	CTNNAL1	64.01	77.47	1.21	0.013987961	0.021665452
ENSG00000123240	OPTN	31.99	38.79	1.21	0.005790088	0.011135807
ENSG00000124098	FAM210B	27.18	32.9	1.21	0.000656055	0.002580218
ENSG00000126062	TMEM115	46.78	56.38	1.21	0.014571565	0.022391944
ENSG00000126247	CAPNS1	999.83	1205.14	1.21	0.003969308	0.008501103
ENSG00000134058	CDK7	34.53	41.93	1.21	0.008808108	0.015164634
ENSG00000134575	ACP2	37.48	45.19	1.21	0.004090753	0.008668693
ENSG00000135900	MRPL44	54.51	65.96	1.21	0.002110831	0.005377026
ENSG00000136710	CCDC115	53.75	65.22	1.21	5.06E-05	0.000679502
ENSG00000140718	FTO	24.66	29.96	1.21	0.001881365	0.004941775
ENSG00000148218	ALAD	45.51	55.15	1.21	0.009376506	0.01589128
ENSG00000152684	PELO	37.13	44.77	1.21	0.00554421	0.010790324
ENSG00000153037	SRP19	124.98	151.77	1.21	0.003407677	0.007595789
ENSG00000154380	ENAH	109.37	131.95	1.21	0.001987704	0.005134756
ENSG00000154945	ANKRD40	47.33	57.23	1.21	0.000650489	0.002572253
ENSG00000157538	DSCR3	44.53	54.03	1.21	0.007123623	0.012890818
ENSG00000162694	EXTL2	65.29	79.08	1.21	0.000452238	0.00207994

ENSG00000164543	STK17A	28.47	34.37	1.21	0.012142466	0.019422645
ENSG00000165660	FAM175B	24.92	30.22	1.21	0.000180651	0.001250696
ENSG00000167863	ATP5H	328.56	399.17	1.21	0.000350608	0.001783145
ENSG00000169733	RFNG	42.3	51.29	1.21	0.007291132	0.013092057
ENSG00000173221	GLRX	201.73	243.83	1.21	0.000734753	0.002769019
ENSG00000173581	CCDC106	26.83	32.46	1.21	0.010586985	0.017418739
ENSG00000174748	RPL15	220.74	266	1.21	0.000115929	0.001031586
ENSG00000174917	C19orf70	120.91	146.23	1.21	0.016119255	0.024242962
ENSG00000176871	WSB2	46.79	56.74	1.21	0.001315592	0.003942344
ENSG00000177200	CHD9	29.9	36.29	1.21	0.020762536	0.029970506
ENSG00000180543	TSPYL5	55.14	66.84	1.21	0.000241498	0.001437413
ENSG00000183726	TMEM50A	94.57	114.14	1.21	0.008025532	0.01410723
ENSG00000185963	BICD2	36.75	44.56	1.21	0.001467441	0.00420786
ENSG00000196449	YRDC	49.26	59.36	1.21	0.006524744	0.012123288
ENSG00000197102	DYNC1H1	345.9	417.85	1.21	0.009226597	0.015691638
ENSG00000203879	GDI1	149.79	180.8	1.21	0.006965495	0.012698782
ENSG00000213977	TAX1BP3	108.3	131.28	1.21	0.013167047	0.020606236
ENSG00000231074	HCG18	32.4	39.26	1.21	0.026910347	0.037235082
ENSG00000232388	LINC00493	42.48	51.39	1.21	0.014635711	0.022455209
ENSG00000242265	PEG10	417.19	506.82	1.21	0.007377928	0.013226589
ENSG00000272391	POM121C	65.18	79.19	1.21	0.00338545	0.007558638
ENSG00000035687	ADSS	70.25	85.5	1.22	0.001220166	0.003753964
ENSG00000044115	CTNNA1	364.08	445.17	1.22	0.008652543	0.01498037
ENSG00000049449	RCN1	221	268.63	1.22	0.002233726	0.00558587
ENSG00000051108	HERPUD1	76.24	93.11	1.22	0.012095616	0.019368839
ENSG00000054116	TRAPPC3	137.35	167.44	1.22	0.009920218	0.01663012
ENSG00000058262	SEC61A1	225.31	275.65	1.22	5.55E-05	0.000704801
ENSG00000079432	CIC	34.58	42.31	1.22	0.01592925	0.024018803

ENSG00000087077	TRIP6	104.97	127.79	1.22	0.007200747	0.012970039
ENSG00000087111	PIGS	62.23	75.9	1.22	0.008474748	0.014737817
ENSG00000100225	FBXO7	74.72	90.79	1.22	0.000129179	0.00108067
ENSG00000104671	DCTN6	47.78	58.09	1.22	0.000464342	0.002102785
ENSG00000104936	DMPK	158.5	193.45	1.22	0.014921759	0.022816479
ENSG00000105568	PPP2R1A	385.15	471.6	1.22	0.009788545	0.016470596
ENSG00000108395	TRIM37	37.91	46.38	1.22	0.001605553	0.004452491
ENSG00000108946	PRKAR1A	247.45	302.08	1.22	0.006210237	0.011687044
ENSG00000110651	CD81	311.81	381.49	1.22	0.005003375	0.010006751
ENSG00000111961	SASH1	24.32	29.79	1.22	0.006655882	0.012312331
ENSG00000112414	ADGRG6	36	43.88	1.22	0.034226134	0.04547973
ENSG00000115561	CHMP3	153.67	187.69	1.22	8.92E-05	0.000897211
ENSG00000116128	BCL9	26.9	32.87	1.22	0.001125478	0.003556866
ENSG00000116455	WDR77	84.3	102.57	1.22	0.001669826	0.004543785
ENSG00000116641	DOCK7	42.91	52.31	1.22	0.023666094	0.033368111
ENSG00000116786	PLEKHM2	32.2	39.33	1.22	0.032775781	0.043890655
ENSG00000116791	CRYZ	67.87	82.51	1.22	0.015969203	0.024066266
ENSG00000124145	SDC4	73.06	88.98	1.22	3.25E-05	0.000557762
ENSG00000124831	LRRFIP1	124.04	150.76	1.22	0.000377195	0.001858715
ENSG00000125447	GGA3	53.71	65.76	1.22	0.002841052	0.006653327
ENSG00000126458	RRAS	51.28	62.45	1.22	0.000486124	0.002153045
ENSG00000126524	SBDS	243.06	297.48	1.22	0.020077282	0.029192458
ENSG00000128829	EIF2AK4	28.2	34.36	1.22	0.01799717	0.026607478
ENSG00000130706	ADRM1	153.89	187.85	1.22	0.016830857	0.02513911
ENSG00000131100	ATP6V1E1	137.82	168.29	1.22	0.005816946	0.011153039
ENSG00000132670	PTPRA	40.42	49.17	1.22	0.004844571	0.009769107
ENSG00000134313	KIDINS220	39.38	47.95	1.22	0.001225142	0.003765322
ENSG00000134970	TMED7	73.89	90.3	1.22	0.003384039	0.007558638

ENSG00000141934	PPAP2C	72.87	88.98	1.22	0.005333369	0.010480742
ENSG00000142039	CCDC97	49.73	60.75	1.22	0.000437909	0.002032992
ENSG00000143155	TIPRL	36.64	44.8	1.22	0.020262227	0.029403044
ENSG00000148484	RSU1	99.05	120.5	1.22	0.000556365	0.002317174
ENSG00000148848	ADAM12	46.19	56.48	1.22	0.00074844	0.002786574
ENSG00000155329	ZCCHC10	36.5	44.45	1.22	0.037976077	0.049564147
ENSG00000159228	CBR1	63.5	77.42	1.22	0.007124683	0.012890818
ENSG00000160097	FNDC5	228.47	279.33	1.22	0.001991411	0.005142066
ENSG00000161011	SQSTM1	256.75	314.16	1.22	0.004772166	0.009672997
ENSG00000165516	KLHDC2	29.69	36.1	1.22	0.005783879	0.011133835
ENSG00000168528	SERINC2	26.77	32.69	1.22	0.005977312	0.011361737
ENSG00000170558	CDH2	122.05	148.83	1.22	0.000970461	0.003257462
ENSG00000171603	CLSTN1	95.29	116.64	1.22	0.000609318	0.002443942
ENSG00000175203	DCTN2	240.26	293.09	1.22	0.000688093	0.002661594
ENSG00000176623	RMDN1	53.96	65.85	1.22	0.00787037	0.01390116
ENSG00000177469	PTRF	161.25	197.47	1.22	2.61E-07	0.00018778
ENSG00000182809	CRIP2	153.61	187.55	1.22	0.001161586	0.0036367
ENSG00000188739	RBM34	153.8	187.91	1.22	0.003104512	0.007116833
ENSG00000198060	5-Mar	39.11	47.56	1.22	0.004199776	0.008838214
ENSG00000204310	AGPAT1	82.83	101.35	1.22	0.005272066	0.010405719
ENSG00000215284	RP11-198M15.1	65.72	80.04	1.22	0.007858136	0.013883733
ENSG00000230989	HSBP1	164.62	200.65	1.22	3.87E-05	0.000592602
ENSG00000241258	CRCP	45.54	55.52	1.22	0.000647397	0.00256336
ENSG00000262879	RP11-156P1.3	24.64	30.16	1.22	0.018919716	0.027729413
ENSG00000265273	PGDP1	24.28	29.67	1.22	0.022714426	0.032294938
ENSG00000272617	RP11-343C2.12	29.96	36.66	1.22	0.001950114	0.005057781
ENSG0000022840	RNF10	170.45	209.25	1.23	0.001415363	0.004116908
ENSG00000051128	HOMER3	126.7	155.4	1.23	0.002307112	0.005727732



ENSG00000064726	BTBD1	69.8	85.54	1.23	0.012582939	0.019936869
ENSG00000078808	SDF4	226.74	278.88	1.23	0.018216704	0.026866889
ENSG00000085063	CD59	362.57	444.72	1.23	0.000430175	0.0020127
ENSG00000092871	RFFL	23.61	29.09	1.23	0.000601749	0.002421862
ENSG00000093010	COMT	119.89	147.67	1.23	0.006510632	0.012100902
ENSG00000100242	SUN2	47.88	58.98	1.23	0.011759481	0.018913219
ENSG00000100372	SLC25A17	48.79	60.09	1.23	0.002720218	0.00643719
ENSG00000100865	CINP	49.21	60.73	1.23	0.004257491	0.00894195
ENSG00000102007	PLP2	105.56	130.32	1.23	0.000253439	0.001483201
ENSG00000102038	SMARCA1	72.04	88.43	1.23	0.004554318	0.009364138
ENSG00000103024	NME3	34.89	42.97	1.23	0.000145112	0.001125972
ENSG00000104221	BRF2	27.36	33.59	1.23	0.006706579	0.012377411
ENSG00000104635	SLC39A14	91.18	111.88	1.23	0.00225847	0.005640405
ENSG00000104695	PPP2CB	179.79	220.6	1.23	0.009910445	0.016627996
ENSG00000104853	CLPTM1	115.06	141.65	1.23	0.006156271	0.011611571
ENSG00000105619	TFPT	67.31	82.69	1.23	0.006644442	0.012295049
ENSG00000105829	BET1	62.72	77.07	1.23	0.003141333	0.00717509
ENSG00000107959	PITRM1	23.32	28.71	1.23	0.028571141	0.039145134
ENSG00000109099	PMP22	66.41	81.74	1.23	2.96E-05	0.000538402
ENSG00000111540	RAB5B	73.97	90.77	1.23	0.000173124	0.001224987
ENSG00000116237	ICMT	90.91	111.69	1.23	0.000593111	0.00240235
ENSG00000118971	CCND2	51.39	63.21	1.23	0.001946864	0.00505477
ENSG00000119335	SET	240.01	295.5	1.23	0.000152545	0.001152952
ENSG00000135318	NT5E	141.12	173.04	1.23	0.003094008	0.007106644
ENSG00000135506	OS9	172.02	211.21	1.23	0.001353135	0.004007468
ENSG00000136231	IGF2BP3	109.6	134.58	1.23	0.007215145	0.012990363
ENSG00000142192	APP	566.68	699.4	1.23	0.000984558	0.003285968
ENSG00000143575	HAX1	100.63	124.02	1.23	0.009238693	0.015694003

ENSG00000145687	SSBP2	36.96	45.51	1.23	0.004595498	0.009425674
ENSG00000145715	RASA1	28.49	35.18	1.23	0.004580066	0.009403889
ENSG00000148180	GSN	265.15	325.08	1.23	0.003036746	0.006997044
ENSG00000151092	NGLY1	28.36	34.93	1.23	0.003619716	0.007946841
ENSG00000151694	ADAM17	61.14	75.13	1.23	0.001882661	0.004941775
ENSG00000155366	RHOC	638.02	781.82	1.23	0.000220525	0.001366652
ENSG00000155876	RRAGA	34.23	42.15	1.23	0.000326219	0.001715647
ENSG00000156026	MCU	45.93	56.29	1.23	0.00291251	0.006763944
ENSG00000161904	LEMD2	59.42	72.8	1.23	0.004762943	0.009657641
ENSG00000163344	PMVK	55.91	68.77	1.23	0.010239823	0.016998229
ENSG00000165629	ATP5C1	144.85	178.81	1.23	0.003752807	0.008156583
ENSG00000166411	IDH3A	58.94	72.65	1.23	0.023621251	0.033328926
ENSG00000167193	CRK	83.39	102.82	1.23	0.000937753	0.003183752
ENSG00000167363	FN3K	35.35	43.43	1.23	0.000659546	0.002590475
ENSG00000167380	ZNF226	25.9	31.76	1.23	0.003915278	0.008403802
ENSG00000168488	ATXN2L	143.06	175.63	1.23	0.003357306	0.007509366
ENSG00000169504	CLIC4	130.71	160.76	1.23	0.011333804	0.018324077
ENSG00000175221	MED16	53.2	65.67	1.23	0.017328763	0.025777744
ENSG00000176697	BDNF	34.41	42.33	1.23	0.001305082	0.00392663
ENSG00000182197	EXT1	102.79	126	1.23	8.76E-05	0.000890316
ENSG00000182247	UBE2E2	53.58	65.88	1.23	0.020424704	0.029587565
ENSG00000182544	MFSD5	39.88	49.09	1.23	0.010131876	0.0168692
ENSG00000182551	ADI1	206.45	254.42	1.23	0.001111047	0.003538936
ENSG00000186501	TMEM222	52.02	63.78	1.23	0.007436161	0.013314701
ENSG00000196961	AP2A1	57.38	70.68	1.23	0.002579516	0.006186619
ENSG00000198146	ZNF770	23.05	28.46	1.23	0.009091665	0.015552371
ENSG00000198804	MT-CO1	9014.37	11097.43	1.23	0.002147678	0.005433126
ENSG00000198910	L1CAM	136.75	168.33	1.23	0.002311592	0.005731575

ENSG00000213719	CLIC1	665.93	817.64	1.23	0.000201379	0.001310637
ENSG00000217416	ISCA1P1	44.98	55.29	1.23	0.015870915	0.023955482
ENSG00000230626	RP11-286H14.4	89.22	109.7	1.23	0.008913289	0.015311276
ENSG00000231245	C1DP1	63.16	77.79	1.23	0.00191342	0.005006824
ENSG00000241685	ARPC1A	229.61	283.47	1.23	0.005900955	0.01125555
ENSG00000244509	APOBEC3C	25.37	31.18	1.23	0.001382548	0.00405738
ENSG00000260032	LINC00657	115.8	142.18	1.23	0.003714058	0.008106026
ENSG0000023191	RNH1	163.08	201.44	1.24	0.001232017	0.003779516
ENSG0000029639	TFB1M	33.48	41.38	1.24	0.001350149	0.004002665
ENSG0000032389	TSSC1	66.8	82.57	1.24	0.02123278	0.030559069
ENSG0000035681	NSMAF	52.95	65.78	1.24	0.001187704	0.003692839
ENSG0000071553	ATP6AP1	104.47	129.39	1.24	0.002090096	0.005340446
ENSG0000089234	BRAP	23.19	28.68	1.24	0.00167194	0.004546681
ENSG00000101473	ACOT8	46.48	57.42	1.24	0.014973651	0.022883892
ENSG00000103549	RNF40	93.76	115.98	1.24	0.001339499	0.003985198
ENSG00000103550	KNOP1	43.54	53.97	1.24	0.003019316	0.006967834
ENSG00000103742	IGDCC4	26.35	32.69	1.24	0.001096087	0.003502699
ENSG00000105404	RABAC1	164.89	205.07	1.24	0.001902168	0.004984055
ENSG00000106052	TAX1BP1	105.49	131.06	1.24	0.00046195	0.002098277
ENSG00000106397	PLOD3	258.73	319.66	1.24	0.004124122	0.008718044
ENSG00000109452	INPP4B	23.42	28.93	1.24	0.023168575	0.032792788
ENSG00000113732	ATP6VOE1	364.21	450.41	1.24	0.000142228	0.0011195
ENSG00000115073	ACTR1B	40.84	50.62	1.24	0.000725251	0.002752668
ENSG00000115183	TANC1	43.97	54.61	1.24	0.000705789	0.00270141
ENSG00000115520	COQ10B	44.01	54.56	1.24	0.005785265	0.011133835
ENSG00000115762	PLEKHB2	90.68	112.86	1.24	1.57E-05	0.000416582
ENSG00000119541	VPS4B	34.89	43.23	1.24	0.014826076	0.02268792
ENSG00000122729	ACO1	27.75	34.36	1.24	0.000394114	0.001917812

ENSG00000125037	EMC3	112.39	139.47	1.24	0.000111807	0.001009956
ENSG00000126461	SCAF1	34.08	42.14	1.24	0.007339522	0.013161761
ENSG00000129625	REEP5	84.27	104.38	1.24	0.00829773	0.014481514
ENSG00000134686	PHC2	249.24	309.12	1.24	0.000920252	0.003150239
ENSG00000134851	TMEM165	70.79	87.72	1.24	0.002742134	0.006478463
ENSG00000136156	ITM2B	150.3	185.88	1.24	0.012604045	0.019954137
ENSG00000136628	EPRS	120.05	149.17	1.24	0.02845685	0.039025016
ENSG00000143333	RGS16	130.68	162.04	1.24	0.000513423	0.002207266
ENSG00000144224	UBXN4	95.58	118.46	1.24	0.00056297	0.002326467
ENSG00000144583	4-Mar	38.33	47.72	1.24	0.001940792	0.005044683
ENSG00000148290	SURF1	45.97	56.79	1.24	0.002028722	0.005206314
ENSG00000149932	TMEM219	60.75	75.04	1.24	0.02393592	0.033690784
ENSG00000152952	PLOD2	85.1	105.82	1.24	0.018781647	0.027589073
ENSG00000160211	G6PD	86.83	107.78	1.24	0.003997405	0.008530671
ENSG00000160445	ZER1	35.14	43.57	1.24	0.02667717	0.036964774
ENSG00000162734	PEA15	476.72	589.61	1.24	0.004341027	0.009057699
ENSG00000162909	CAPN2	205.75	256.07	1.24	0.001623557	0.004486587
ENSG00000163191	S100A11	1910.35	2363.5	1.24	0.001825501	0.004852554
ENSG00000163659	TIPARP	36.24	45.04	1.24	0.033444991	0.044613609
ENSG00000164081	TEX264	45.99	57.21	1.24	0.01360468	0.021150012
ENSG00000164294	GPX8	85.7	106.69	1.24	0.00222826	0.005580366
ENSG00000164610	RP9	33.81	41.89	1.24	0.002667484	0.006337976
ENSG00000167779	IGFBP6	266.67	331	1.24	0.00286005	0.006692471
ENSG00000168216	LMBRD1	22.94	28.38	1.24	0.00980674	0.01648702
ENSG00000185404	SP140L	30.66	38.12	1.24	0.033398692	0.044587112
ENSG00000188690	UROS	87	107.8	1.24	0.00044245	0.002045106
ENSG00000196235	SUPT5H	119.74	148.12	1.24	0.021696347	0.031084139
ENSG00000198363	ASPH	211.73	261.67	1.24	0.004343959	0.009058669

ENSG00000198961	PJA2	61.86	76.84	1.24	0.001876235	0.004941775
ENSG00000206527	HACD2	23.03	28.46	1.24	0.000605133	0.002432146
ENSG00000213722	DDAH2	105.57	131.42	1.24	0.010452185	0.017255098
ENSG00000235162	C12orf75	36.92	45.65	1.24	0.004390557	0.009135963
ENSG00000011454	RABGAP1	49.19	61.27	1.25	0.010920026	0.017842026
ENSG00000030304	MUSK	23.78	29.77	1.25	0.015611383	0.023661192
ENSG00000037241	RPL26L1	56.79	70.8	1.25	0.010574775	0.017404008
ENSG00000058668	ATP2B4	39.93	49.91	1.25	0.016180977	0.024317081
ENSG00000063322	MED29	33.93	42.43	1.25	1.23E-05	0.000382441
ENSG00000066557	LRRC40	43.41	54.26	1.25	0.006084487	0.011505783
ENSG00000085982	USP40	35.31	44.08	1.25	0.028344691	0.038895954
ENSG00000090674	MCOLN1	31.19	38.88	1.25	0.033341662	0.044536561
ENSG00000091947	TMEM101	43.98	55.04	1.25	0.006761917	0.012425142
ENSG00000092330	TINF2	38.52	48.13	1.25	0.003971908	0.008503566
ENSG00000099250	NRP1	34.17	42.88	1.25	0.01124119	0.018219551
ENSG00000103591	AAGAB	60.42	75.49	1.25	0.002297551	0.005712441
ENSG00000110756	HPS5	31.62	39.56	1.25	0.001379341	0.00405738
ENSG00000116954	RRAGC	68.78	86.18	1.25	0.000265618	0.001527046
ENSG00000117984	CTSD	346.35	432.05	1.25	0.00185405	0.004902772
ENSG00000122644	ARL4A	39.81	49.86	1.25	0.002317918	0.005744553
ENSG00000124444	ZNF576	28.92	36.09	1.25	0.011468164	0.018497975
ENSG00000126432	PRDX5	268.62	334.63	1.25	0.00140329	0.004100095
ENSG00000132581	SDF2	121	150.67	1.25	0.033371166	0.04456582
ENSG00000136240	KDEL2	368.78	461.98	1.25	0.00451868	0.00931045
ENSG00000136521	NDUFB5	94.89	118.61	1.25	0.023837382	0.033585394
ENSG00000140992	PDPK1	24.09	30.09	1.25	0.000837375	0.00294628
ENSG00000141012	GALNS	67.23	84.02	1.25	0.004468143	0.009242043
ENSG00000142627	EPHA2	60.44	75.83	1.25	0.000640181	0.002541654

ENSG00000145022	TCTA	26.99	33.62	1.25	0.007536906	0.013454008
ENSG00000147010	SH3KBP1	72.79	90.64	1.25	1.89E-05	0.000454842
ENSG00000148154	UGCG	155.66	194.17	1.25	0.009166082	0.015624972
ENSG00000148358	GPR107	46.84	58.72	1.25	0.00010575	0.000978106
ENSG00000152818	UTRN	36.62	45.74	1.25	0.026388342	0.036607816
ENSG00000153936	HS2ST1	39.99	50.17	1.25	0.022414184	0.031933133
ENSG00000154710	RABGEF1	26.52	33.2	1.25	0.001765776	0.004743247
ENSG00000156171	DRAM2	40.37	50.42	1.25	0.003751844	0.008156583
ENSG00000157191	NECAP2	58.68	73.14	1.25	0.000242389	0.001438633
ENSG00000160714	UBE2Q1	297.51	372.33	1.25	0.018228466	0.026877477
ENSG00000164970	FAM219A	24.36	30.56	1.25	0.003411334	0.007600328
ENSG00000165424	ZCCHC24	28.55	35.69	1.25	0.002009642	0.005173196
ENSG00000172037	LAMB2	173.8	217.97	1.25	0.003315476	0.007457029
ENSG00000173621	LRFN4	24.97	31.24	1.25	0.03373069	0.04491298
ENSG00000176903	PNMA1	63.53	79.5	1.25	0.000324722	0.001710847
ENSG00000182199	SHMT2	139.17	174.45	1.25	0.000615608	0.002461048
ENSG00000182718	ANXA2	491.96	614.05	1.25	0.001588751	0.004430068
ENSG00000185787	MORF4L1	109.18	136.72	1.25	0.000106675	0.000981758
ENSG00000189184	PCDH18	20.17	25.22	1.25	0.024322587	0.034162311
ENSG00000197879	MYO1C	95.51	119.81	1.25	0.005930595	0.011294904
ENSG00000198042	MAK16	32.61	40.9	1.25	0.003907361	0.008399107
ENSG00000204619	PPP1R11	37.55	47.09	1.25	0.000189963	0.001281934
ENSG00000213209	AC005229.7	46.46	57.97	1.25	0.02948565	0.040182164
ENSG00000213985	AC078899.1	44.73	55.96	1.25	0.009496885	0.016048915
ENSG00000227877	MRLN	63.81	79.54	1.25	0.020293938	0.029434493
ENSG00000231313	CLIC1P1	53.79	67.43	1.25	0.001355564	0.00401061
ENSG00000231991	ANXA2P2	328.01	409.06	1.25	5.69E-05	0.000710425
ENSG00000244213	ZFAND6P1	21.99	27.5	1.25	0.037057485	0.048592374

ENSG00000257923	CUX1	28.12	35.13	1.25	0.014431531	0.02223862
ENSG00000265808	SEC22B	21.16	26.41	1.25	0.001521424	0.004307047
ENSG00000003436	TFPI	474.77	595.94	1.26	0.004946036	0.009917421
ENSG00000048140	TSPAN17	41.25	51.9	1.26	0.001156198	0.00362564
ENSG00000064651	SLC12A2	20.65	25.94	1.26	0.022486571	0.032005159
ENSG00000070366	SMG6	52.52	66.33	1.26	0.000906588	0.003114373
ENSG00000070404	FSTL3	23.54	29.56	1.26	0.000817748	0.002915059
ENSG00000071051	NCK2	54.95	69.39	1.26	0.00880629	0.015164634
ENSG00000075223	SEMA3C	28.91	36.42	1.26	0.013220406	0.020665378
ENSG00000077238	IL4R	48.16	60.9	1.26	0.01330663	0.020747162
ENSG00000080845	DLGAP4	93.03	116.77	1.26	0.001233234	0.003780284
ENSG00000085733	CTTN	128.16	161.08	1.26	0.006201101	0.011673598
ENSG00000086666	ZFAND6	86.89	109.65	1.26	0.001634129	0.004497681
ENSG00000095321	CRAT	33.47	42.22	1.26	0.004339222	0.009057699
ENSG00000102181	CD99L2	26.92	34.04	1.26	0.001099243	0.003508962
ENSG00000104884	ERCC2	48.11	60.6	1.26	0.005787591	0.011134657
ENSG00000107862	GBF1	44.73	56.17	1.26	0.000399856	0.001936214
ENSG00000109654	TRIM2	21.54	27.15	1.26	0.025449403	0.035498407
ENSG00000111412	C12orf49	35.76	45.08	1.26	0.006071625	0.011489388
ENSG00000112335	SNX3	214.87	271.19	1.26	0.001410515	0.004106882
ENSG00000112715	VEGFA	30.15	37.88	1.26	0.00758198	0.013501589
ENSG00000116704	SLC35D1	23.1	29.01	1.26	0.006312372	0.011829897
ENSG00000117298	ECE1	91.38	115.46	1.26	0.005013659	0.010020484
ENSG00000117318	ID3	174.96	220.06	1.26	0.016081379	0.024192203
ENSG00000127463	EMC1	115.03	144.93	1.26	0.012374805	0.019690255
ENSG00000134440	NARS	177.71	224.53	1.26	1.09E-05	0.000366775
ENSG00000135404	CD63	1568.71	1977.04	1.26	0.000515701	0.002214742
ENSG00000136840	ST6GALNAC4	48.91	61.65	1.26	0.010746844	0.017622901

ENSG00000136868	SLC31A1	36.39	45.96	1.26	6.19E-05	0.00074871
ENSG00000137817	PARP6	45.16	57.01	1.26	0.009234719	0.015694003
ENSG00000140323	DISP2	20.82	26.26	1.26	0.037329427	0.048861553
ENSG00000140682	TGFB1I1	42.48	53.32	1.26	0.000653399	0.002573225
ENSG00000141627	DYM	27.62	34.86	1.26	0.020285003	0.029428811
ENSG00000142657	PGD	189.07	238.28	1.26	3.74E-05	0.000586126
ENSG00000143164	DCAF6	52.27	65.72	1.26	0.021969146	0.031421238
ENSG00000145555	MYO10	40.56	51.08	1.26	0.005772728	0.011120657
ENSG00000145979	TBC1D7	25.23	31.8	1.26	0.010167615	0.016904705
ENSG00000146416	AIG1	28.27	35.74	1.26	0.000868711	0.003025013
ENSG00000156599	ZDHHC5	36.72	46.41	1.26	0.000329618	0.001720885
ENSG00000158747	NBL1	20.21	25.42	1.26	0.001615784	0.004471429
ENSG00000162627	SNX7	32.5	40.9	1.26	4.67E-05	0.000653638
ENSG00000162959	MEMO1	30.73	38.65	1.26	0.018187438	0.026830475
ENSG00000174028	FAM3C2	126.38	159.09	1.26	0.002802914	0.006585051
ENSG00000175416	CLTB	54.52	68.55	1.26	0.010355703	0.017125167
ENSG00000176087	SLC35A4	81.76	102.94	1.26	0.000158593	0.00117312
ENSG00000176170	SPHK1	38.87	49.03	1.26	0.001173364	0.003661844
ENSG00000177239	MAN1B1	105.01	131.91	1.26	0.000764419	0.002813905
ENSG00000182934	SRPR	78.1	98.4	1.26	0.000578043	0.002368726
ENSG00000184432	COPB2	194.81	246.27	1.26	0.000716772	0.002725781
ENSG00000185187	SIGIRR	72.77	92	1.26	0.026154939	0.036301198
ENSG00000188243	COMMD6	154.85	195.59	1.26	0.000439894	0.002037549
ENSG00000196954	CASP4	81.36	102.55	1.26	0.001247182	0.003809101
ENSG00000213928	IRF9	47.34	59.44	1.26	0.001054919	0.003425276
ENSG00000220517	ASS1P1	19.8	24.91	1.26	0.00128653	0.003888769
ENSG00000226054	MEMO1P1	21.46	27.09	1.26	0.006748848	0.012409923
ENSG00000234745	HLA-B	78.27	98.36	1.26	0.001197167	0.003708444



ENSG00000237651	C2orf74	46.55	58.84	1.26	0.01465776	0.022471401
ENSG00000242364	RP11-451J24.1	35.74	44.92	1.26	0.008844243	0.015204528
ENSG00000005436	GCFC2	20.6	26.07	1.27	0.021548123	0.03093045
ENSG00000011009	LYPLA2	85.71	109.07	1.27	0.009917363	0.01663012
ENSG00000011451	WIZ	46.22	58.77	1.27	0.002306169	0.005727732
ENSG00000027697	IFNGR1	22	27.95	1.27	0.001770435	0.004748456
ENSG00000042286	AIFM2	22.42	28.45	1.27	0.000369375	0.00184185
ENSG00000086062	B4GALT1	28.23	35.73	1.27	0.000771089	0.002824515
ENSG00000087502	ERGIC2	144.48	184.13	1.27	0.004779669	0.00967817
ENSG00000092108	SCFD1	49.3	62.69	1.27	0.004739501	0.009620088
ENSG00000094631	HDAC6	30.06	38.15	1.27	0.011322922	0.018316584
ENSG00000103479	RBL2	22.29	28.23	1.27	0.005205329	0.010308697
ENSG00000105887	MTPN	215.49	273.88	1.27	0.000977534	0.003268107
ENSG00000106991	ENG	184.22	233.43	1.27	0.002454632	0.005975078
ENSG00000109065	NAT9	51.38	65.28	1.27	0.026832144	0.037144403
ENSG00000110218	PANX1	19.97	25.32	1.27	0.009069184	0.01552297
ENSG00000111817	DSE	22.29	28.36	1.27	0.000855205	0.002992197
ENSG00000112186	CAP2	81.5	103.73	1.27	0.000133984	0.001096069
ENSG00000114902	SPCS1	115.52	146.88	1.27	1.25E-05	0.000382441
ENSG00000115944	COX7A2L	215.58	274.53	1.27	3.82E-06	0.000283875
ENSG00000117020	AKT3	27.33	34.8	1.27	0.013105254	0.020542425
ENSG00000117682	DHDDS	26.08	33.21	1.27	0.015000163	0.022918436
ENSG00000123131	PRDX4	117.93	149.65	1.27	0.000811044	0.002896409
ENSG00000127955	GNAI1	81.38	103.51	1.27	0.005525824	0.010758112
ENSG00000128185	DGCR6L	33.23	42.31	1.27	6.08E-05	0.000747068
ENSG00000128272	ATF4	341.89	433.3	1.27	0.000248208	0.001463384
ENSG00000129562	DAD1	331.15	419.8	1.27	0.000594967	0.002406129
ENSG00000133812	SBF2	19.4	24.61	1.27	0.025341308	0.035364453

ENSG00000135211	TMEM60	36.83	46.92	1.27	0.000932601	0.003177671
ENSG00000135535	CD164	241.1	306.15	1.27	0.0061643	0.01161832
ENSG00000138071	ACTR2	186.81	237.78	1.27	0.001040745	0.003401854
ENSG00000138107	ACTR1A	166.15	211.84	1.27	0.000231261	0.001402393
ENSG00000143183	TMCO1	217.45	275.09	1.27	6.73E-06	0.000330214
ENSG00000147592	LACTB2	29.37	37.36	1.27	0.036537595	0.048010111
ENSG00000149179	C11orf49	31.74	40.38	1.27	0.001124671	0.003556866
ENSG00000153485	TMEM251	18.95	24.14	1.27	0.003098567	0.00711002
ENSG00000154305	MIA3	68.68	87.17	1.27	0.002134106	0.005412802
ENSG00000155542	SETD9	21.23	26.87	1.27	0.006384575	0.011938466
ENSG00000160310	PRMT2	103.48	131.5	1.27	8.10E-06	0.000345738
ENSG00000164830	OXR1	22.49	28.53	1.27	0.002577415	0.006186619
ENSG00000164896	FASTK	82.78	105.18	1.27	0.016723709	0.024991802
ENSG00000166199	ALKBH3	30.18	38.3	1.27	0.03171059	0.042766996
ENSG00000166908	PIP4K2C	35.23	44.9	1.27	0.002539385	0.006127964
ENSG00000167767	KRT80	18.79	23.84	1.27	0.000651847	0.002572293
ENSG00000168610	STAT3	71.5	90.96	1.27	0.001526892	0.004317113
ENSG00000168894	RNF181	145.32	184.15	1.27	0.002611576	0.006235458
ENSG00000172331	BPGM	24.55	31.17	1.27	0.004547236	0.009352855
ENSG00000175866	BAIAP2	37.81	47.85	1.27	0.021236051	0.030559069
ENSG00000177189	RPS6KA3	91.63	116.35	1.27	0.005822781	0.011158428
ENSG00000177556	ATOX1	209.92	266.36	1.27	2.56E-05	0.000512711
ENSG00000178913	TAF7	100.26	126.9	1.27	0.000103349	0.000966021
ENSG00000181924	COA4	93.97	119.79	1.27	0.000231098	0.001402393
ENSG00000184840	TMED9	133.22	169.09	1.27	0.001089743	0.003496869
ENSG00000185808	PIGP	22.07	27.99	1.27	0.002707672	0.006421723
ENSG00000187446	CHP1	39.61	50.35	1.27	0.000937044	0.003183752
ENSG00000213025	COX20P1	58.84	74.49	1.27	0.015742662	0.02379967

ENSG00000213036	RP11-365D23.4	39.35	50.08	1.27	0.006071899	0.011489388
ENSG00000214063	TSPAN4	39.7	50.39	1.27	0.027741517	0.038168995
ENSG00000228285	LYPLA2P1	24.94	31.77	1.27	0.000180417	0.001250548
ENSG00000233247	GS1-257G1.1	91.7	116.66	1.27	0.004703377	0.009566633
ENSG00000236281	AC093106.5	81.45	103.4	1.27	0.001315072	0.003942344
ENSG00000248487	ABHD14A	19.11	24.31	1.27	0.035820635	0.047255839
ENSG00000251017	RP11-629B11.4	21.99	27.96	1.27	0.00440867	0.009161035
ENSG00000004399	PLXND1	211.79	270.27	1.28	0.000222399	0.001372785
ENSG00000042445	RETSAT	22.74	29.11	1.28	0.012288091	0.019612784
ENSG00000047932	GOPC	28.16	35.93	1.28	0.000586201	0.002386286
ENSG00000064393	HIPK2	22.47	28.75	1.28	0.017737794	0.026292826
ENSG00000087074	PPP1R15A	87.59	112.03	1.28	0.000231862	0.001404585
ENSG00000089050	RBBP9	20.68	26.51	1.28	0.031040005	0.041978457
ENSG00000089159	PXN	138.04	177.07	1.28	2.11E-05	0.00046931
ENSG00000091986	CCDC80	206.3	264.9	1.28	0.000586774	0.002386286
ENSG00000100284	TOM1	26.11	33.39	1.28	1.07E-05	0.000361294
ENSG00000101974	ATP11C	25.06	32.03	1.28	0.010488586	0.017296139
ENSG00000109133	TMEM33	38.52	49.31	1.28	0.012658287	0.020021563
ENSG00000109790	KLHL5	23.94	30.69	1.28	0.012256384	0.019578163
ENSG00000111275	ALDH2	39.55	50.66	1.28	0.002265062	0.005652051
ENSG00000111328	CDK2AP1	166.28	213.54	1.28	0.000831253	0.002939956
ENSG00000112276	BVES	56.39	71.96	1.28	0.009094461	0.015552615
ENSG00000114631	PODXL2	25.39	32.54	1.28	0.004228786	0.008884845
ENSG00000118242	MREG	18.74	24.04	1.28	0.028531772	0.03910033
ENSG00000127314	RAP1B	45.03	57.75	1.28	0.012078625	0.019346916
ENSG00000127952	STYXL1	68.86	88.18	1.28	0.000987915	0.003291268
ENSG00000129472	RAB2B	31.49	40.16	1.28	0.000146325	0.001131181
ENSG00000130528	HRC	29.86	38.36	1.28	0.005805994	0.01114082

ENSG00000130707	ASS1	488.22	623.18	1.28	0.001740911	0.004691378
ENSG00000134202	GSTM3	134.24	171.95	1.28	0.008039194	0.014122778
ENSG00000134247	PTGFRN	58.59	74.88	1.28	0.000212457	0.001349782
ENSG00000134986	NREP	57.58	73.94	1.28	0.000362163	0.001813598
ENSG00000135924	DNAJB2	69.25	88.48	1.28	0.000729663	0.002760481
ENSG00000140743	CDR2	36.63	46.78	1.28	0.000811528	0.002896409
ENSG00000141696	P3H4	46.92	60.19	1.28	0.005061751	0.010078814
ENSG00000141699	FAM134C	28.65	36.71	1.28	0.002396946	0.005876125
ENSG00000146282	RARS2	25.54	32.59	1.28	0.004998538	0.010006751
ENSG00000146433	TMEM181	27.78	35.69	1.28	0.00035059	0.001783145
ENSG00000150938	CRIM1	107.8	137.75	1.28	0.003152011	0.007189183
ENSG00000152977	ZIC1	56.79	72.96	1.28	0.005836484	0.011173732
ENSG00000153130	SCOC	45.46	58.28	1.28	0.000857929	0.002996364
ENSG00000160194	NDUFV3	22.61	29	1.28	0.001659205	0.004525386
ENSG00000160360	GPSM1	48.13	61.56	1.28	0.006053094	0.011468608
ENSG00000161091	MFSD12	142.16	182.62	1.28	0.00241883	0.005912472
ENSG00000163110	PDLIM5	92.44	118.16	1.28	0.017187619	0.02562629
ENSG00000164442	CITED2	172.71	220.66	1.28	0.002079384	0.00531539
ENSG00000170035	UBE2E3	188.45	240.36	1.28	0.000530517	0.002255732
ENSG00000171552	BCL2L1	116.91	149.58	1.28	0.001626742	0.004489043
ENSG00000172380	GNG12	113.58	145.21	1.28	0.001687258	0.004574241
ENSG00000177951	BET1L	51.32	65.59	1.28	0.0004276	0.002009711
ENSG00000179820	MYADM	108.16	137.95	1.28	0.001980744	0.005123549
ENSG00000181610	MRPS23	94.21	120.4	1.28	0.002341005	0.005782501
ENSG00000182220	ATP6AP2	87.34	111.44	1.28	0.00089138	0.00308826
ENSG00000185475	TMEM179B	62.47	80.18	1.28	0.004285244	0.008984152
ENSG00000186815	TPCN1	22.88	29.26	1.28	0.004370701	0.009104722
ENSG00000187713	TMEM203	44.2	56.38	1.28	0.000464736	0.002102785

ENSG00000188641	DPYD	24.02	30.8	1.28	7.13E-05	0.000805513
ENSG00000196998	WDR45	59.31	76.11	1.28	0.005059732	0.010078217
ENSG00000214455	RCN1P2	132	169.26	1.28	0.005162916	0.010241996
ENSG00000230916	RP11-10B2.1	168.39	215.42	1.28	0.016384607	0.024541338
ENSG00000234608	MAPKAPK5-AS1	27.34	34.87	1.28	0.020166207	0.029285448
ENSG00000240489	SETP14	120.63	154.52	1.28	0.002679974	0.006365074
ENSG00000241553	ARPC4	168.06	215.05	1.28	0.000221697	0.001369894
ENSG00000267855	NDUFA7	94.27	120.52	1.28	0.001307083	0.003930633
ENSG00000066455	GOLGA5	23.63	30.59	1.29	0.005848528	0.011193136
ENSG00000068120	COASY	70.66	91.4	1.29	0.004895965	0.00983891
ENSG00000070501	POLB	58.32	75.39	1.29	0.029847476	0.040562132
ENSG00000081665	ZNF506	33.15	42.61	1.29	0.026104481	0.03625691
ENSG00000099246	RAB18	57.52	74.4	1.29	0.000106815	0.000981758
ENSG00000100234	TIMP3	67.74	87.38	1.29	6.90E-05	0.000783618
ENSG00000102390	PBDC1	24.87	32.09	1.29	0.000995777	0.003306476
ENSG00000105063	PPP6R1	77.73	100.08	1.29	0.00254478	0.006137137
ENSG00000106636	YKT6	159.82	205.81	1.29	3.27E-06	0.000274065
ENSG00000111667	USP5	78.48	101.58	1.29	0.001318104	0.003944077
ENSG00000111897	SERINC1	175.36	225.4	1.29	0.000428811	0.002010032
ENSG00000112576	CCND3	227.37	293.64	1.29	0.000106794	0.000981758
ENSG00000114982	KANSL3	37.44	48.14	1.29	8.90E-05	0.000896229
ENSG00000115170	ACVR1	76.84	99.16	1.29	0.000834513	0.002942626
ENSG00000115677	HDLBP	1072.01	1379.08	1.29	0.001050536	0.003418615
ENSG00000117385	P3H1	197.61	254.62	1.29	0.004058298	0.008622413
ENSG00000119801	YPEL5	47.9	62.03	1.29	0.000307826	0.001661806
ENSG00000122873	CISD1	60.59	78.13	1.29	0.004008156	0.008549956
ENSG00000123353	ORMDL2	46.61	60.35	1.29	0.005897378	0.01125555
ENSG00000124333	VAMP7	26.15	33.77	1.29	2.54E-05	0.000511182

ENSG00000125977	EIF2S2	90.91	117.56	1.29	0.000189931	0.001281934
ENSG00000130958	SLC35D2	54.07	69.53	1.29	0.012281533	0.019612784
ENSG00000133818	RRAS2	53.09	68.27	1.29	0.006925545	0.012647585
ENSG00000136826	KLF4	20.17	26.01	1.29	0.000653154	0.002573225
ENSG00000137500	CCDC90B	61.88	80.01	1.29	0.007943909	0.014005737
ENSG00000143819	EPHX1	20.99	26.98	1.29	0.018319043	0.026997454
ENSG00000154144	TBRG1	19.4	25.02	1.29	0.001072136	0.003460102
ENSG00000155506	LARP1	73.4	94.65	1.29	0.00105575	0.003426074
ENSG00000163867	ZMYM6	18.19	23.4	1.29	0.01329588	0.020735915
ENSG00000169241	SLC50A1	82.33	106.4	1.29	0.005591004	0.01085977
ENSG00000170266	GLB1	106.09	137.06	1.29	0.001648624	0.004514508
ENSG00000171103	TRMT61B	29.98	38.73	1.29	0.002969732	0.006875053
ENSG00000177683	THAP5	23.9	30.75	1.29	0.013567129	0.021108423
ENSG00000184277	TM2D3	39.91	51.6	1.29	0.000801177	0.002877325
ENSG00000184575	XPOT	39.86	51.24	1.29	0.006082729	0.011505783
ENSG00000187164	SHTN1	18.01	23.28	1.29	0.010143758	0.016879398
ENSG00000197121	PGAP1	21.07	27.23	1.29	0.012657891	0.020021563
ENSG00000204054	LINC00963	22.75	29.34	1.29	0.015052645	0.022980659
ENSG00000018610	CXorf56	21.15	27.51	1.3	0.001217937	0.003753702
ENSG00000054965	FAM168A	29.39	38.32	1.3	0.000105191	0.000975847
ENSG00000071859	FAM50A	67.96	88.35	1.3	3.33E-05	0.000565008
ENSG00000072042	RDH11	92.52	120.24	1.3	0.000733453	0.002767284
ENSG00000076685	NT5C2	110.98	144.79	1.3	0.005288166	0.010430238
ENSG00000085832	EPS15	26.61	34.57	1.3	0.01462759	0.022455209
ENSG00000089327	FXD5	330.25	430.79	1.3	0.003193175	0.007257665
ENSG00000089486	CDIP1	52.62	68.28	1.3	0.000485656	0.002152596
ENSG00000099260	PALMD	87.7	114.05	1.3	0.000607728	0.002440901
ENSG00000099904	ZDHHC8	32.02	41.68	1.3	0.025895842	0.035999088

ENSG00000103034	NDRG4	62.33	81.05	1.3	0.000671229	0.002617077
ENSG00000103512	NOMO1	94.88	123.63	1.3	0.03710239	0.048631947
ENSG00000107130	NCS1	56.42	73.4	1.3	0.001646305	0.004513981
ENSG00000111321	LTBR	92.24	120.24	1.3	0.000378511	0.00186207
ENSG00000113269	RNF130	60.61	78.87	1.3	5.43E-05	0.000702266
ENSG00000118096	IFT46	29.71	38.76	1.3	0.020996832	0.030259381
ENSG00000124942	AHNAK	57.46	74.96	1.3	0.004533767	0.009328424
ENSG00000128692	EIF2S2P4	66.37	86.29	1.3	0.000217339	0.001365995
ENSG00000139531	SUOX	18.32	23.89	1.3	0.002031963	0.00521235
ENSG00000141741	MIEN1	54.95	71.3	1.3	0.002396093	0.005876125
ENSG00000142166	IFNAR1	18.48	23.98	1.3	0.005888329	0.011243622
ENSG00000143507	DUSP10	17.74	23.02	1.3	0.000759591	0.002811516
ENSG00000144468	RHBDD1	36.57	47.7	1.3	0.016557645	0.024781529
ENSG00000154721	JAM2	17.99	23.32	1.3	0.001112149	0.003540523
ENSG00000157227	MMP14	111.17	144.39	1.3	9.68E-05	0.00093253
ENSG00000162144	CYB561A3	40.01	52.07	1.3	0.001321494	0.003948793
ENSG00000162923	WDR26	67.12	87.05	1.3	0.002905242	0.006755782
ENSG00000163719	MTMR14	25.92	33.57	1.3	0.010692752	0.017563669
ENSG00000163754	GYG1	37.45	48.55	1.3	6.60E-05	0.000773331
ENSG00000165322	ARHGAP12	23.42	30.52	1.3	0.010250501	0.017003944
ENSG00000165389	SPTSSA	17.03	22.08	1.3	0.000830015	0.002939134
ENSG00000168530	MYL1	434.7	566.72	1.3	0.000305477	0.001655559
ENSG00000169902	TPST1	53.58	69.49	1.3	0.002924457	0.00678363
ENSG00000173818	ENDOV	25.71	33.35	1.3	0.000708375	0.002704371
ENSG00000178397	FAM220A	25.35	33.02	1.3	0.001781289	0.004765436
ENSG00000179889	PDXDC1	43.1	56.12	1.3	0.003358223	0.007509366
ENSG00000183597	TANGO2	17.22	22.44	1.3	0.033065581	0.044238322
ENSG00000187531	SIRT7	30.92	40.2	1.3	0.002189202	0.005506656

ENSG00000204227	RING1	23.34	30.37	1.3	0.004303832	0.009013453
ENSG00000214530	STARD10	58.19	75.66	1.3	0.017868632	0.026445327
ENSG00000242247	ARFGAP3	47.05	61.18	1.3	0.000453407	0.002083146
ENSG00000255112	CHMP1B	26.8	34.73	1.3	0.001601637	0.004450986
ENSG00000082781	ITGB5	137.51	180.18	1.31	0.009800451	0.016485899
ENSG00000083857	FAT1	122.44	160.65	1.31	0.002110493	0.005377026
ENSG00000090097	PCBP4	52.48	68.81	1.31	0.000483667	0.002152596
ENSG00000104866	PPP1R37	22.89	29.96	1.31	0.003247366	0.007352337
ENSG00000108958	AC016292.3	19.12	25.02	1.31	0.03237083	0.043457543
ENSG00000112079	STK38	48.97	64.37	1.31	0.00022034	0.001366652
ENSG00000117122	MFAP2	75.99	99.61	1.31	0.007307167	0.013109765
ENSG00000119669	IRF2BPL	25.24	33.15	1.31	0.001281357	0.00387909
ENSG00000123143	PKN1	66.76	87.48	1.31	0.009304661	0.015783203
ENSG00000124191	TOX2	25.85	33.79	1.31	0.004291924	0.008991727
ENSG00000126391	FRMD8	18.84	24.65	1.31	0.001987358	0.005134756
ENSG00000126581	BECN1	73.59	96.37	1.31	0.000766978	0.00281802
ENSG00000128335	APOL2	45.92	60.01	1.31	0.000276675	0.001560024
ENSG00000128609	NDUFA5	82.33	107.68	1.31	0.000173178	0.001224987
ENSG00000132481	TRIM47	76.11	99.47	1.31	0.000799075	0.002876474
ENSG00000135845	PIGC	48.94	64.35	1.31	2.94E-06	0.000266942
ENSG00000136478	TEX2	36.69	48	1.31	0.000296236	0.001625189
ENSG00000136813	KIAA0368	84.17	110.14	1.31	0.000250288	0.001472104
ENSG00000144597	EAF1	19.27	25.2	1.31	0.000630349	0.002514536
ENSG00000147419	CCDC25	44.31	57.83	1.31	0.006689418	0.012354882
ENSG00000152127	MGAT5	52.21	68.25	1.31	0.006941925	0.012669607
ENSG00000153944	MSI2	44.04	57.69	1.31	0.00136585	0.004034934
ENSG00000161677	JOSD2	50.21	65.74	1.31	0.003171245	0.007216212
ENSG00000167191	GPRC5B	42.31	55.53	1.31	0.00097326	0.00326312



ENSG00000167566	NCKAP5L	35.26	46.36	1.31	0.000762411	0.002813905
ENSG00000170310	STX8	32.88	43.07	1.31	0.003357131	0.007509366
ENSG00000180901	KCTD2	32.94	43.06	1.31	0.000116071	0.001031586
ENSG00000183155	RABIF	25.77	33.63	1.31	0.001117123	0.003548652
ENSG00000198015	MRPL42	64.82	84.84	1.31	0.000989804	0.003291268
ENSG00000203950	FAM127B	79.54	104.25	1.31	0.002877048	0.006716166
ENSG00000205133	TRIQQ	16.44	21.49	1.31	0.036066874	0.047505873
ENSG00000223802	CERS1	17.93	23.43	1.31	0.015399442	0.023406513
ENSG00000228974	AC006483.5	93.29	122.42	1.31	0.006912745	0.012630786
ENSG00000244043	RPS27P27	65.87	86.42	1.31	0.010005771	0.016735266
ENSG00000264364	DYNLL2	33.7	44.19	1.31	0.000228685	0.001398339
ENSG00000014919	COX15	37.49	49.39	1.32	0.000401382	0.001940398
ENSG00000015532	XYLT2	17.99	23.76	1.32	0.002887554	0.006722195
ENSG00000040487	PQLC2	33.05	43.64	1.32	0.009170816	0.015628499
ENSG00000064115	TM7SF3	142.7	187.86	1.32	0.001863077	0.004918992
ENSG00000091592	NLRP1	24.3	32.05	1.32	0.00074672	0.002781934
ENSG00000092964	DPYSL2	64.19	84.94	1.32	7.32E-05	0.000817745
ENSG00000100350	FOXRED2	31.3	41.18	1.32	0.007741731	0.013715261
ENSG00000100814	CCNB1IP1	58.85	77.88	1.32	0.000512025	0.002204488
ENSG00000103353	UBFD1	66.38	87.51	1.32	0.000171497	0.001223428
ENSG00000106477	CEP41	19.02	25.13	1.32	0.035433625	0.046808466
ENSG00000111913	FAM65B	31.63	41.64	1.32	3.75E-06	0.000283875
ENSG00000115756	HPCAL1	119.65	157.5	1.32	0.00019646	0.00129443
ENSG00000115866	DARS	86.17	113.42	1.32	0.007139198	0.012913095
ENSG00000116266	STXBP3	43.82	57.7	1.32	0.000581379	0.002377411
ENSG00000118600	TMEM5	18.93	25	1.32	0.008984073	0.015399189
ENSG00000120314	WDR55	29.54	38.93	1.32	3.76E-05	0.000586373
ENSG00000120509	PDZD11	63.98	84.68	1.32	0.00196952	0.005099015

ENSG00000121653	MAPK8IP1	19.39	25.51	1.32	0.000540521	0.002275389
ENSG00000124260	MAGEA10	63.4	83.99	1.32	0.000178358	0.00124068
ENSG00000125520	SLC2A4RG	79.49	104.62	1.32	0.036352802	0.047828771
ENSG00000128311	TST	16.41	21.58	1.32	0.002492939	0.006043239
ENSG00000132541	HRSP12	55.77	73.85	1.32	0.00120529	0.003727755
ENSG00000136754	ABI1	49.21	64.73	1.32	0.002931153	0.006796472
ENSG00000137124	ALDH1B1	31.84	41.95	1.32	0.000239323	0.00142766
ENSG00000143494	VASH2	23.2	30.54	1.32	0.006697845	0.01236655
ENSG00000143751	SDE2	17.5	23.03	1.32	0.000771483	0.002824515
ENSG00000151445	VIPAS39	18.51	24.51	1.32	0.001629261	0.004493879
ENSG00000152556	PFKM	82.95	109.45	1.32	0.000136573	0.001101612
ENSG00000156110	ADK	35.69	47.1	1.32	0.006388627	0.011938466
ENSG00000159884	CCDC107	16.31	21.48	1.32	0.000504108	0.002184515
ENSG00000162704	ARPC5	147.98	195.11	1.32	4.60E-05	0.000648863
ENSG00000168374	ARF4	405.27	536.5	1.32	0.000123886	0.001062083
ENSG00000169718	DUS1L	66.75	87.98	1.32	0.008788012	0.015143374
ENSG00000173120	KDM2A	44.38	58.79	1.32	0.005633856	0.010928526
ENSG00000178980	SEPW1	974.68	1284.72	1.32	0.005763275	0.011111969
ENSG00000179611	DGKZP1	25.75	34.11	1.32	0.001849137	0.004899587
ENSG00000181789	COPG1	151.56	199.54	1.32	0.000457148	0.002089413
ENSG00000196535	MYO18A	112.68	148.98	1.32	0.001096818	0.003503126
ENSG00000204525	HLA-C	85.77	112.95	1.32	0.000703758	0.002700493
ENSG00000239474	KLHL41	158.95	209.57	1.32	8.73E-05	0.000890316
ENSG00000239779	WBP1	64.17	84.68	1.32	6.77E-06	0.000330214
ENSG00000254612	RP11-676M6.1	110.97	146.01	1.32	4.98E-05	0.000670772
ENSG00000003402	CFLAR	44.02	58.66	1.33	0.000557691	0.002317174
ENSG00000006715	VPS41	76.22	101.45	1.33	0.020096527	0.029199745
ENSG00000058799	YIPF1	46.23	61.62	1.33	0.000356343	0.001801374

ENSG00000066697	MSANTD3	58.92	78.37	1.33	0.000321207	0.001704575
ENSG00000089639	GMIP	15.88	21.09	1.33	0.029949009	0.040681257
ENSG00000089876	DHX32	31.68	42.23	1.33	0.000635607	0.002527299
ENSG00000090487	SPG21	105	139.3	1.33	0.000177436	0.00123867
ENSG00000091317	CMTM6	55.93	74.66	1.33	0.000160003	0.00117312
ENSG00000100219	XBP1	100.6	134.19	1.33	0.000189425	0.001281934
ENSG00000107679	PLEKHA1	17.59	23.41	1.33	0.00271211	0.006423188
ENSG00000108797	CNTNAP1	24.92	33.14	1.33	0.001004325	0.003329203
ENSG00000112473	SLC39A7	149	198.01	1.33	0.001092365	0.003496869
ENSG00000115652	UXS1	52.97	70.22	1.33	0.000278888	0.001566806
ENSG00000115840	SLC25A12	36.2	48.22	1.33	2.22E-05	0.000481097
ENSG00000123146	ADGRE5	40.31	53.72	1.33	0.000700606	0.002695771
ENSG00000131016	AKAP12	87.45	116.52	1.33	0.000557124	0.002317174
ENSG00000131669	NINJ1	23.95	31.75	1.33	0.000503363	0.002184515
ENSG00000132254	ARFIP2	77.75	103.46	1.33	0.000375559	0.001857727
ENSG00000132635	PCED1A	28.17	37.56	1.33	0.029985384	0.040721173
ENSG00000132824	SERINC3	99.89	132.4	1.33	0.001565864	0.004388998
ENSG00000135636	DYSF	95.72	127.6	1.33	0.000542606	0.002279784
ENSG00000137720	C11orf1	30.67	40.89	1.33	0.003358981	0.007509366
ENSG00000139168	ZCRB1	54.22	72.02	1.33	0.010651667	0.017510898
ENSG00000141179	PCTP	17.19	22.87	1.33	0.000252463	0.00147914
ENSG00000146242	TPBG	28.43	37.71	1.33	1.38E-05	0.000395688
ENSG00000150961	SEC24D	76.59	101.62	1.33	0.002378848	0.005848873
ENSG00000159176	CSRP1	645.36	859.77	1.33	0.000218823	0.001366652
ENSG00000160213	CSTB	62.24	83.08	1.33	5.20E-05	0.000685605
ENSG00000162735	PEX19	97.96	130.71	1.33	0.001496327	0.004261505
ENSG00000166337	TAF10	153.05	202.87	1.33	0.000454903	0.002085652
ENSG00000167977	KCTD5	33.87	45.08	1.33	7.37E-05	0.000820289

ENSG00000169855	ROBO1	53.32	70.68	1.33	0.003807833	0.008236493
ENSG00000171148	TADA3	66.36	88.57	1.33	4.21E-05	0.000619198
ENSG00000175832	ETV4	112.64	150.04	1.33	0.000169045	0.001216292
ENSG00000178104	PDE4DIP	38.41	51.01	1.33	0.006416763	0.01197578
ENSG00000182400	TRAPPC6B	17.4	23.2	1.33	0.012660293	0.020021563
ENSG00000196937	FAM3C	63.23	83.91	1.33	0.012306713	0.019631819
ENSG00000198960	ARMCX6	39.8	52.93	1.33	0.003096726	0.00711002
ENSG00000204262	COL5A2	419.75	559.87	1.33	2.11E-05	0.00046931
ENSG00000213190	MLLT11	119.21	158.84	1.33	1.48E-05	0.000414267
ENSG00000213366	GSTM2	45.83	60.8	1.33	0.008009903	0.014099839
ENSG00000227934	RP11-423F24.3	17.95	23.92	1.33	0.006744791	0.012409923
ENSG00000251003	ZFPM2-AS1	49.19	65.56	1.33	0.004100749	0.008681153
ENSG00000271525	ARF4P1	78.96	105.01	1.33	0.003194651	0.007258207
ENSG00000000971	CFH	91.09	122	1.34	0.000347165	0.001774871
ENSG00000033627	ATP6VOA1	57.04	76.37	1.34	0.000703843	0.002700493
ENSG00000068615	REEP1	47.73	64.08	1.34	0.000456581	0.002089413
ENSG00000076321	KLHL20	21.14	28.43	1.34	0.004370455	0.009104722
ENSG00000085998	POMGNT1	72.5	96.99	1.34	0.008791109	0.015144261
ENSG00000102218	RP2	14.91	19.97	1.34	0.001644883	0.004513615
ENSG00000106049	HIBADH	42.06	56.57	1.34	0.000163174	0.001190113
ENSG00000108784	NAGLU	25.51	34.26	1.34	0.004864944	0.009803447
ENSG00000109919	MTCH2	205.75	276.19	1.34	0.002486301	0.006032455
ENSG00000120910	PPP3CC	15.69	20.99	1.34	0.004778785	0.00967817
ENSG00000124570	SERPINB6	43.65	58.63	1.34	0.002876068	0.006716166
ENSG00000125734	GPR108	59.63	80.19	1.34	0.001610186	0.004460147
ENSG00000128524	ATP6V1F	340.65	456.98	1.34	7.88E-06	0.000344819
ENSG00000138435	CHRNA1	1074.44	1435.58	1.34	0.000106298	0.000981626
ENSG00000141385	AFG3L2	32.18	43.23	1.34	0.000519234	0.002222474

ENSG00000142687	KIAA0319L	48.46	64.9	1.34	0.000146413	0.001131181
ENSG00000156345	CDK20	15.86	21.32	1.34	0.002464369	0.005996291
ENSG00000162585	FAAP20	68.24	91.13	1.34	0.003836782	0.008274693
ENSG00000164898	C7orf55	66.95	89.44	1.34	0.022366197	0.03187251
ENSG00000168273	SMIM4	31.61	42.21	1.34	0.02579117	0.035898272
ENSG00000168994	PXDC1	16.66	22.39	1.34	0.001635241	0.004497681
ENSG00000169019	COMMD8	25.16	33.67	1.34	0.000763129	0.002813905
ENSG00000178719	GRINA	156.39	210.22	1.34	0.000801274	0.002877325
ENSG00000184743	ATL3	23.16	30.93	1.34	0.001605695	0.004452491
ENSG00000188766	SPRED3	29.27	39.21	1.34	2.42E-05	0.000501966
ENSG00000198883	PNMA5	16.25	21.83	1.34	0.001548042	0.004358053
ENSG00000243317	C7orf73	37.28	50	1.34	0.004401317	0.009152241
ENSG00000261239	ANKRD26P1	30.81	41.39	1.34	0.003329827	0.007472676
ENSG00000269994	RP11-276H19.2	29.7	39.84	1.34	0.001733078	0.004679096
ENSG0000029534	ANK1	47.36	63.77	1.35	0.00045856	0.002092603
ENSG0000030110	BAK1	21.83	29.53	1.35	0.005224867	0.010336917
ENSG0000033100	CHPF2	67.08	90.36	1.35	0.000279214	0.001566806
ENSG0000043093	DCUN1D1	24.16	32.7	1.35	0.02679847	0.037106547
ENSG0000065485	PDIA5	26.61	35.92	1.35	0.015284242	0.023267599
ENSG0000068001	HYAL2	57.62	77.98	1.35	0.000733821	0.002767284
ENSG00000100348	TXN2	131.09	177.23	1.35	0.000320913	0.001704575
ENSG00000103485	QPRT	116.99	158.33	1.35	0.001431832	0.004141202
ENSG00000111880	RNGTT	14.78	19.99	1.35	0.002805232	0.006585628
ENSG00000113615	SEC24A	17.44	23.61	1.35	0.003556557	0.007852277
ENSG00000123159	GIPC1	154.13	208.67	1.35	0.000732111	0.00276439
ENSG00000125821	DTD1	35.06	47.43	1.35	0.000152573	0.001152952
ENSG00000128595	CALU	434.4	587.53	1.35	0.000143626	0.001125767
ENSG00000137207	YIPF3	142.27	191.78	1.35	0.001993417	0.005144039

ENSG00000137221	TJAP1	22.82	30.79	1.35	0.007732402	0.013702872
ENSG00000140391	TSPAN3	278.15	376.02	1.35	7.76E-05	0.00084489
ENSG00000146574	CCZ1B	58.48	78.9	1.35	0.002666941	0.006337976
ENSG00000151914	DST	180.11	243.4	1.35	0.005673235	0.010983114
ENSG00000153113	CAST	105.24	142.48	1.35	0.006585727	0.012209517
ENSG00000160789	LMNA	454.41	613.76	1.35	0.000635583	0.002527299
ENSG00000164733	CTSB	636.43	858.78	1.35	0.000937873	0.003183752
ENSG00000165434	PGM2L1	15.3	20.66	1.35	0.001778444	0.004762007
ENSG00000170275	CRTAP	137.86	185.91	1.35	0.000876355	0.003044399
ENSG00000172465	TCEAL1	16.79	22.72	1.35	0.002281991	0.00568462
ENSG00000174132	FAM174A	14.34	19.4	1.35	0.00466385	0.009508993
ENSG00000178585	CTNNBIP1	47.57	64.05	1.35	0.001935275	0.005041515
ENSG00000179295	PTPN11	41.46	55.83	1.35	0.000372065	0.001848976
ENSG00000179933	C14orf119	100.54	135.24	1.35	0.000278293	0.001566131
ENSG00000182768	NGRN	88.14	119.02	1.35	1.70E-06	0.000228911
ENSG00000197355	UAP1L1	24.39	32.94	1.35	0.001524493	0.00431241
ENSG00000198816	ZNF358	78.98	106.69	1.35	0.000371335	0.001846912
ENSG00000198833	UBE2J1	52.09	70.46	1.35	0.001299014	0.003916411
ENSG00000213949	ITGA1	25.64	34.71	1.35	0.015492271	0.023522401
ENSG00000224437	PIGUP1	16.59	22.44	1.35	0.001409699	0.004106882
ENSG00000235105	RP11-329A14.1	56.66	76.69	1.35	0.00036214	0.001813598
ENSG00000240184	PCDHGC3	173.05	233.8	1.35	0.000336716	0.001739648
ENSG00000242162	RP11-128A6.3	36.65	49.33	1.35	0.012775704	0.020176873
ENSG00000262902	RP11-750B16.1	472.67	637.58	1.35	0.001921625	0.00501041
ENSG00000276023	DUSP14	31.48	42.43	1.35	0.010420254	0.017212498
ENSG00000007376	RPUSD1	32.37	44.07	1.36	0.00186994	0.00493293
ENSG00000049323	LTBP1	28.85	39.38	1.36	0.001175103	0.003663928
ENSG00000083123	BCKDHB	16.37	22.19	1.36	0.000528342	0.002248327

ENSG00000100592	DAAM1	22.56	30.69	1.36	0.015806411	0.023882709
ENSG00000100711	ZFYVE21	24.62	33.4	1.36	0.000484333	0.002152596
ENSG00000103148	NPRL3	32.74	44.4	1.36	0.001917048	0.005008166
ENSG00000103502	CDIPT	81.97	111.71	1.36	0.000135168	0.001099344
ENSG00000107960	OBFC1	47.72	64.75	1.36	0.001836675	0.004876288
ENSG00000107984	DKK1	182.95	248.79	1.36	0.00049977	0.002181919
ENSG00000108509	CAMTA2	22.32	30.36	1.36	0.034495137	0.04574389
ENSG00000108828	VAT1	323.96	440.35	1.36	0.000209444	0.001339342
ENSG00000112308	C6orf62	69.48	94.17	1.36	0.002559251	0.006158165
ENSG00000115275	MOGS	83.95	114.09	1.36	5.17E-05	0.000685605
ENSG00000115419	GLS	259.25	353.4	1.36	0.015743336	0.02379967
ENSG00000116005	PCYOX1	45.46	61.62	1.36	0.007108322	0.012877108
ENSG00000121413	ZSCAN18	58.68	79.74	1.36	0.01721594	0.025656087
ENSG00000126005	MMP24-AS1	31.45	42.87	1.36	5.42E-05	0.000702266
ENSG00000133065	SLC41A1	34.82	47.38	1.36	0.000750626	0.002792804
ENSG00000137274	BPHL	15.12	20.58	1.36	0.001599822	0.00445036
ENSG00000138279	ANXA7	128.99	175.63	1.36	0.000275992	0.001559167
ENSG00000141447	OSBPL1A	30.32	41.13	1.36	0.000338516	0.00174287
ENSG00000146426	TIAM2	14.6	19.9	1.36	0.004138098	0.008738136
ENSG00000147027	TMEM47	22.04	30.05	1.36	0.002512855	0.006071789
ENSG00000148700	ADD3	92.06	125.41	1.36	0.021492605	0.030875217
ENSG00000158882	TOMM40L	18.87	25.57	1.36	0.001744661	0.004697287
ENSG00000159322	ADPGK	82.27	111.58	1.36	0.000248754	0.001464551
ENSG00000159921	GNE	19.2	26.12	1.36	0.002608158	0.006232098
ENSG00000164574	GALNT10	32.02	43.69	1.36	0.00027545	0.001557605
ENSG00000165072	MAMDC2	26.38	35.79	1.36	0.000359781	0.001808638
ENSG00000171202	TMEM126A	34.06	46.4	1.36	0.001649278	0.004514508
ENSG00000175582	RAB6A	82.28	112.1	1.36	0.001613397	0.004466931

ENSG00000177409	SAMD9L	15.06	20.53	1.36	0.00533663	0.010480742
ENSG00000177542	SLC25A22	27.05	36.86	1.36	0.013419952	0.020896069
ENSG00000180891	CUEDC1	36.18	49.21	1.36	0.013198966	0.020650677
ENSG00000181027	FKRP	36.69	49.78	1.36	0.00019287	0.001291084
ENSG00000197217	ENTPD4	46.39	62.94	1.36	0.014778645	0.022633056
ENSG00000197555	SIPA1L1	21.9	29.69	1.36	0.000934435	0.003180224
ENSG00000197586	ENTPD6	40.73	55.39	1.36	0.002229864	0.005580847
ENSG00000198648	STK39	34.57	46.91	1.36	0.000142144	0.0011195
ENSG00000240583	AQP1	26.12	35.64	1.36	0.000487439	0.002154729
ENSG00000259079	RP1-261D10.1	30.29	41.17	1.36	0.009688026	0.016334269
ENSG00000267673	FDX1L	77.92	105.89	1.36	0.000127122	0.001072168
ENSG00000047230	CTPS2	15.84	21.73	1.37	0.003318441	0.007457029
ENSG00000064012	CASP8	26.16	35.76	1.37	0.001194113	0.003704909
ENSG00000071575	TRIB2	84	114.69	1.37	0.000285696	0.001590996
ENSG00000075213	SEMA3A	138.64	189.32	1.37	0.001420561	0.004121805
ENSG00000079950	STX7	25.27	34.71	1.37	0.034567523	0.045808803
ENSG00000081189	MEF2C	28.67	39.36	1.37	0.009136668	0.015595862
ENSG00000085449	WDFY1	46.92	64.08	1.37	0.008170028	0.014292674
ENSG00000088888	MAVS	18.2	24.9	1.37	2.90E-05	0.000534439
ENSG00000097033	SH3GLB1	84.04	115.55	1.37	0.00083718	0.00294628
ENSG00000099203	TMED1	65.23	89.48	1.37	0.002121462	0.005388354
ENSG00000100324	TAB1	13.87	19.05	1.37	0.000143831	0.001125767
ENSG00000100934	SEC23A	102.42	140.8	1.37	0.021334974	0.030686359
ENSG00000101928	MOSPD1	20.93	28.7	1.37	0.016191977	0.024327377
ENSG00000116521	SCAMP3	151.18	206.47	1.37	0.000768465	0.002821716
ENSG00000118640	VAMP8	18.65	25.46	1.37	0.001782975	0.004765436
ENSG00000119655	NPC2	325.69	444.61	1.37	0.001445245	0.004164765
ENSG00000127603	MACF1	254.43	347.89	1.37	0.001517464	0.004298749



ENSG00000127914	AKAP9	37.95	51.86	1.37	0.001759912	0.004731832
ENSG00000129255	MPDU1	100.01	136.6	1.37	0.00018304	0.001263124
ENSG00000131653	TRAF7	32.24	44.02	1.37	0.013004869	0.020439708
ENSG00000133195	SLC39A11	21.56	29.45	1.37	0.00982167	0.016507387
ENSG00000134508	CABLES1	34.45	47.36	1.37	0.000193942	0.001292674
ENSG00000138119	MYOF	207.75	285.5	1.37	0.000100329	0.000953528
ENSG00000138162	TACC2	52.8	72.58	1.37	0.015993756	0.024078918
ENSG00000140575	IQGAP1	158.45	216.83	1.37	3.60E-05	0.000579064
ENSG00000152601	MBNL1	49.97	68.49	1.37	0.009182128	0.015634145
ENSG00000167216	KATNAL2	13.46	18.47	1.37	0.0002304	0.001402393
ENSG00000176485	PLA2G16	106.32	145.88	1.37	0.000329382	0.001720885
ENSG00000180596	HIST1H2BC	13.74	18.81	1.37	0.014014173	0.021694592
ENSG00000184857	TMEM186	13.88	19.05	1.37	0.030240286	0.04104131
ENSG00000186104	CYP2R1	16.08	22.1	1.37	0.033911324	0.04512276
ENSG00000187840	EIF4EBP1	278.52	382.65	1.37	0.000834272	0.002942626
ENSG00000197757	HOXC6	29.23	39.96	1.37	0.008085597	0.014174247
ENSG00000204237	OXLD1	23.38	31.95	1.37	0.014494653	0.022297126
ENSG00000204520	MICA	36.26	49.77	1.37	0.00076563	0.002815443
ENSG00000204673	AKT1S1	124.97	171.74	1.37	0.000238683	0.001425291
ENSG00000213523	SRA1	62.16	85.44	1.37	0.002422345	0.00591613
ENSG00000229364	SLC39A9	25.62	35.28	1.38	0.000219934	0.001366652
ENSG000002068912	ERLEC1	37.06	51.24	1.38	1.18E-05	0.000378774
ENSG000002079931	MOXD1	43.2	59.55	1.38	0.006227467	0.011706749
ENSG000002101166	SLMO2	72.46	100.01	1.38	0.000321047	0.001704575
ENSG000002102359	SRPX2	38.28	52.97	1.38	0.000192802	0.001291084
ENSG000002104325	DECR1	63.12	86.96	1.38	0.0003215	0.001704591
ENSG000002104365	IKBKB	39.59	54.59	1.38	0.012341004	0.019655777
ENSG000002111666	CHPT1	14.99	20.74	1.38	0.000820754	0.00291722

ENSG00000114745	GORASP1	42.55	58.8	1.38	0.004091907	0.008668693
ENSG00000120690	ELF1	16.59	22.9	1.38	0.004667547	0.009510249
ENSG00000122592	HOXA7	29.71	40.86	1.38	0.000560127	0.002321259
ENSG00000130724	CHMP2A	184.54	253.76	1.38	1.67E-05	0.000427983
ENSG00000131375	CAPN7	20.48	28.33	1.38	0.010721876	0.017601245
ENSG00000131408	NR1H2	27.79	38.48	1.38	0.000667457	0.002607575
ENSG00000131981	LGALS3	74.74	102.78	1.38	8.99E-05	0.000903099
ENSG00000135148	TRAFD1	19.46	26.87	1.38	4.07E-05	0.000611734
ENSG00000135956	TMEM127	42.86	59.28	1.38	8.97E-06	0.000346383
ENSG00000138347	MYPN	18.49	25.59	1.38	3.93E-05	0.000595346
ENSG00000139433	GLTP	32.01	44.33	1.38	1.19E-05	0.000378774
ENSG00000140945	CDH13	137.39	189.33	1.38	0.000651478	0.002572293
ENSG00000141349	G6PC3	98.21	135.07	1.38	0.0040475	0.008605708
ENSG00000141756	FKBP10	136.85	188.64	1.38	0.001994806	0.005144039
ENSG00000141985	SH3GL1	137.94	190.26	1.38	0.000170094	0.001219493
ENSG00000142686	C1orf216	50.9	70.16	1.38	0.000110847	0.001006202
ENSG00000143353	LYPLAL1	15.47	21.39	1.38	0.037773065	0.049347386
ENSG00000143891	GALM	23.81	32.88	1.38	0.001626258	0.004489043
ENSG00000148468	FAM171A1	19.48	26.93	1.38	0.000252474	0.00147914
ENSG00000149089	APIP	21.95	30.4	1.38	0.000260533	0.00150965
ENSG00000149357	LAMTOR1	133.12	183.69	1.38	0.000314733	0.001682013
ENSG00000161021	MAML1	18.72	25.82	1.38	0.010269454	0.017020937
ENSG00000167323	STIM1	14.07	19.39	1.38	0.001630874	0.004494672
ENSG00000167785	ZNF558	17.49	24.12	1.38	0.000400604	0.001938234
ENSG00000169359	SLC33A1	26.68	36.73	1.38	0.001482152	0.004241748
ENSG00000169756	LIMS1	125.33	173.24	1.38	0.001361031	0.004024754
ENSG00000169814	BTD	28.86	39.91	1.38	0.000664035	0.002602874
ENSG00000170425	ADORA2B	29.28	40.38	1.38	5.42E-05	0.000702266

ENSG00000179431	FJX1	26.46	36.4	1.38	5.63E-05	0.000710425
ENSG00000185482	STAC3	152.78	210.2	1.38	0.000302538	0.001643832
ENSG00000204386	NEU1	81.88	113.16	1.38	0.000353784	0.001793076
ENSG00000016864	GLT8D1	63.51	88.46	1.39	0.00487159	0.009806729
ENSG00000068976	PYGM	19.03	26.39	1.39	0.005217518	0.010325861
ENSG00000072415	MPP5	13	18.1	1.39	0.001854268	0.004902772
ENSG00000101337	TM9SF4	62.3	86.3	1.39	5.55E-05	0.000704801
ENSG00000109917	ZPR1	61.07	85.04	1.39	0.000931122	0.003176323
ENSG00000117266	CDK18	18.04	25.1	1.39	0.008507246	0.014785563
ENSG00000118515	SGK1	87.82	121.65	1.39	0.001532733	0.004327992
ENSG00000138640	FAM13A	25.43	35.25	1.39	0.002798848	0.006580772
ENSG00000152104	PTPN14	22.79	31.78	1.39	0.017458904	0.025938437
ENSG00000164941	INTS8	47.16	65.4	1.39	0.01237535	0.019690255
ENSG00000165312	OTUD1	19	26.37	1.39	9.33E-05	0.000927438
ENSG00000168734	PKIG	71.02	98.97	1.39	9.83E-05	0.000941715
ENSG00000181817	LSM10	89.23	123.94	1.39	0.00327935	0.007401889
ENSG00000182253	SYNM	14.44	20.09	1.39	1.92E-06	0.000228911
ENSG00000185340	GAS2L1	13.34	18.53	1.39	0.000636918	0.002530413
ENSG00000196352	CD55	48.4	67.12	1.39	0.00021911	0.001366652
ENSG00000197746	PSAP	849.53	1184.45	1.39	0.000172681	0.001224987
ENSG00000198040	ZNF84	17.55	24.34	1.39	0.000364458	0.00181888
ENSG00000198431	TXNRD1	742.67	1029.02	1.39	0.000107664	0.000988013
ENSG00000256060	TRAPPC2B	26.48	36.84	1.39	0.000552925	0.002307088
ENSG00000032444	PNPLA6	60.97	85.21	1.4	0.001416701	0.004118757
ENSG00000049245	VAMP3	122.46	171.02	1.4	0.002362683	0.005821334
ENSG00000050165	DKK3	125.34	175.61	1.4	0.004582867	0.009406346
ENSG00000075618	FSCN1	237.46	332.56	1.4	0.00022387	0.001380411
ENSG00000081320	STK17B	41.49	58.12	1.4	0.010457795	0.017255098

ENSG00000082213	C5orf22	21.14	29.7	1.4	0.001081462	0.003484448
ENSG00000100403	ZC3H7B	29.92	41.93	1.4	0.000144369	0.001125767
ENSG00000102897	LYRM1	30.51	42.71	1.4	0.001683919	0.004569413
ENSG00000104343	UBE2W	26.29	36.92	1.4	0.000248306	0.001463384
ENSG00000106404	CLDN15	22.99	32.28	1.4	0.000118129	0.001037324
ENSG00000108823	SGCA	192.83	269.11	1.4	0.00149414	0.004257356
ENSG00000109436	TBC1D9	17.21	24.07	1.4	0.002189891	0.005506656
ENSG00000111843	TMEM14C	68.85	96.18	1.4	1.64E-05	0.000424259
ENSG00000115107	STEAP3	29.26	40.86	1.4	3.91E-05	0.000593667
ENSG00000116584	ARHGEF2	244.26	342.65	1.4	0.004561372	0.009375355
ENSG00000119777	TMEM214	79.01	110.45	1.4	0.002093868	0.005345425
ENSG00000121680	PEX16	21.23	29.77	1.4	0.030769374	0.041660496
ENSG00000124380	SNRNP27	51.91	72.69	1.4	0.004510758	0.009299547
ENSG00000124574	ABCC10	22.92	32.13	1.4	0.01389988	0.0215632
ENSG00000133110	POSTN	21.72	30.35	1.4	0.001836924	0.004876288
ENSG00000134684	YARS	146.43	205.24	1.4	0.00027906	0.001566806
ENSG00000135090	TAOK3	20.27	28.41	1.4	0.003736201	0.008138589
ENSG00000136021	SCYL2	23.77	33.23	1.4	0.001889397	0.004955413
ENSG00000138078	PREPL	75.88	106.45	1.4	0.001119505	0.003552369
ENSG00000138459	SLC35A5	25.82	36.06	1.4	0.003894958	0.008380073
ENSG00000139921	TMX1	32.6	45.75	1.4	0.000310146	0.001667
ENSG00000141736	ERBB2	22.54	31.47	1.4	1.26E-05	0.000382441
ENSG00000142227	EMP3	500.26	699.97	1.4	2.44E-05	0.00050325
ENSG00000144455	SUMF1	21.65	30.21	1.4	0.000789511	0.002856071
ENSG00000163728	TTC14	16.12	22.61	1.4	0.035450776	0.046820574
ENSG00000171155	C1GALT1C1	26.15	36.64	1.4	0.000693546	0.002675629
ENSG00000172348	RCAN2	30.49	42.6	1.4	2.88E-05	0.000532008
ENSG00000178498	DTX3	33.74	47.24	1.4	0.001138434	0.003587983

ENSG00000196950	SLC39A10	18.21	25.53	1.4	0.001881176	0.004941775
ENSG00000197063	MAFG	36.07	50.36	1.4	4.77E-05	0.00065684
ENSG00000255749	GNAI2P1	23.26	32.65	1.4	0.012949294	0.020374205
ENSG00000010404	IDS	57.14	80.58	1.41	0.004450505	0.009225084
ENSG00000100246	DNAL4	17.66	24.92	1.41	0.000346909	0.001774871
ENSG00000101310	SEC23B	51.28	72.27	1.41	0.000567003	0.002334907
ENSG00000108639	SYNGR2	58.15	82.09	1.41	0.000477002	0.002138487
ENSG00000110011	DNAJC4	22.12	31.19	1.41	0.002472671	0.006011502
ENSG00000113312	TTC1	70.43	99.61	1.41	1.70E-05	0.00043134
ENSG00000116337	AMPD2	143.48	202.67	1.41	3.41E-05	0.000570354
ENSG00000116717	GADD45A	64.35	90.58	1.41	0.000146988	0.001132123
ENSG00000127526	SLC35E1	50.65	71.55	1.41	8.03E-05	0.000850026
ENSG00000131238	PPT1	264.55	373.24	1.41	0.000134579	0.001096069
ENSG00000136153	LMO7	132.28	186.3	1.41	0.00032185	0.001704902
ENSG00000137177	KIF13A	15.8	22.29	1.41	0.002473853	0.006011882
ENSG00000137509	PRCP	63.55	89.73	1.41	0.000316451	0.001686994
ENSG00000140474	ULK3	15.23	21.53	1.41	0.020816976	0.030022318
ENSG00000140497	SCAMP2	58.64	82.69	1.41	0.001136136	0.00358381
ENSG00000140650	PMM2	25.1	35.38	1.41	0.005558122	0.01080664
ENSG00000150787	PTS	18.26	25.7	1.41	0.005414655	0.010587374
ENSG00000152894	PTPRK	26.99	38.19	1.41	0.007118761	0.012890818
ENSG00000156265	MAP3K7CL	193.82	274.13	1.41	0.000275224	0.001557605
ENSG00000163513	TGFBR2	54.03	76.17	1.41	3.16E-05	0.000549353
ENSG00000166974	MAPRE2	22.91	32.26	1.41	0.000421632	0.001998749
ENSG00000171503	ETFDH	15.22	21.48	1.41	0.011948829	0.019159948
ENSG00000183117	CSMD1	17.15	24.16	1.41	0.00211678	0.005386145
ENSG00000183722	LHFP	20.42	28.8	1.41	0.000420743	0.001998749
ENSG00000189077	TMEM120A	74.77	105.59	1.41	0.00079373	0.002864265

ENSG00000198792	TMEM184B	81.64	114.84	1.41	0.000286179	0.001592174
ENSG00000198892	SHISA4	29.5	41.58	1.41	0.001491198	0.004253809
ENSG00000219545	UMAD1	20.05	28.2	1.41	0.003153635	0.007190091
ENSG00000223886	RP11-251G23.2	24.18	34.09	1.41	0.0015483	0.004358053
ENSG00000239382	ALKBH6	36.56	51.54	1.41	0.000962393	0.003237794
ENSG00000241134	BET1P1	17.26	24.35	1.41	0.029341017	0.040022266
ENSG00000243646	IL10RB	14.35	20.23	1.41	0.000339243	0.00174349
ENSG00000009335	UBE3C	82.72	117.72	1.42	5.82E-05	0.00072139
ENSG00000047648	ARHGAP6	13.27	18.81	1.42	0.004797134	0.009710181
ENSG00000063978	RNF4	38.47	54.51	1.42	0.000895249	0.003093542
ENSG00000072422	RHOBTB1	14.66	20.79	1.42	0.003455987	0.00767067
ENSG00000072682	P4HA2	64.3	91.32	1.42	6.36E-05	0.000755239
ENSG00000079393	DUSP13	100.35	142.16	1.42	0.001590559	0.004433003
ENSG00000082146	STRADB	131.31	186.92	1.42	0.000154889	0.001167442
ENSG00000090013	BLVRB	87.29	123.77	1.42	0.001187327	0.003692839
ENSG00000100612	DHRS7	57.55	81.46	1.42	0.000113901	0.001022837
ENSG00000102100	SLC35A2	44.56	63.19	1.42	0.001452662	0.004181841
ENSG00000102882	MAPK3	72.01	101.94	1.42	0.001581125	0.004413001
ENSG00000105223	PLD3	757.48	1075.15	1.42	0.000963583	0.003239937
ENSG00000105402	NAPA	136.67	193.56	1.42	0.000922801	0.003155279
ENSG00000105971	CAV2	59.3	84.21	1.42	0.000591012	0.00239951
ENSG00000110931	CAMKK2	13.94	19.84	1.42	0.008615652	0.014938552
ENSG00000116260	QSOX1	153.29	217.61	1.42	0.000242064	0.001438157
ENSG00000119938	PPP1R3C	26.53	37.77	1.42	5.40E-05	0.000702266
ENSG00000130429	ARPC1B	237	335.69	1.42	0.003147949	0.00718551
ENSG00000130529	TRPM4	15.15	21.52	1.42	0.001204828	0.003727755
ENSG00000151135	TMEM263	59.82	85.09	1.42	0.000917379	0.003142236
ENSG00000151327	FAM177A1	37.61	53.31	1.42	0.00012699	0.001072168

ENSG00000152102	FAM168B	101.68	144.1	1.42	1.54E-05	0.000415869
ENSG00000157168	NRG1	21.53	30.55	1.42	0.002546326	0.006137137
ENSG00000157823	AP3S2	48.33	68.7	1.42	0.007450363	0.013336059
ENSG00000159840	ZYX	201.88	287.3	1.42	8.10E-05	0.000853832
ENSG00000161013	MGAT4B	221.48	315.02	1.42	0.002589698	0.006205963
ENSG00000174574	AKIRIN1	119	169.29	1.42	7.77E-05	0.00084489
ENSG00000184903	IMMP2L	28.4	40.29	1.42	0.031051434	0.04198423
ENSG00000213194	AC016732.2	14.41	20.51	1.42	0.024735722	0.03464381
ENSG00000229738	AC010240.3	20.24	28.64	1.42	0.024299947	0.034139584
ENSG00000240849	TMEM189	47.4	67.5	1.42	3.42E-05	0.000570354
ENSG00000002586	CD99	186.22	266.21	1.43	6.91E-05	0.000783777
ENSG00000068323	TFE3	47.77	68.47	1.43	0.000737789	0.002775108
ENSG00000104133	SPG11	17.08	24.41	1.43	0.019264525	0.028164342
ENSG00000104213	PDGFRL	29.16	41.79	1.43	0.000169667	0.001219273
ENSG00000108469	RECQL5	34.55	49.46	1.43	0.005900148	0.01125555
ENSG00000109089	CDR2L	26.32	37.52	1.43	0.000265482	0.001527046
ENSG00000120885	CLU	1363.01	1953.21	1.43	3.58E-05	0.000579064
ENSG00000132471	WBP2	122.31	174.44	1.43	0.004100703	0.008681153
ENSG00000133422	MORC2	48.18	69.1	1.43	0.001775783	0.004759207
ENSG00000135902	CHRND	105.09	150.09	1.43	0.000349286	0.001781053
ENSG00000136560	TANK	89.9	128.56	1.43	0.000846125	0.002971065
ENSG00000139579	NABP2	15.57	22.33	1.43	0.001126678	0.003556866
ENSG00000141569	TRIM65	30.12	43.02	1.43	0.000130431	0.00108335
ENSG00000143337	TOR1AIP1	65.87	94.31	1.43	0.001488638	0.004252008
ENSG00000143622	RIT1	69.99	100.34	1.43	0.000145159	0.001125972
ENSG00000148481	FAM188A	25.01	35.77	1.43	0.001109076	0.003536499
ENSG00000150630	VEGFC	45.29	64.6	1.43	0.00021927	0.001366652
ENSG00000156795	WDYHV1	16.43	23.45	1.43	0.007647845	0.013589988

ENSG00000160746	ANO10	29.44	42.13	1.43	0.001580937	0.004413001
ENSG00000163297	ANTXR2	159.05	227.55	1.43	7.28E-05	0.000817745
ENSG00000166557	TMED3	108.65	155.68	1.43	8.50E-05	0.000879222
ENSG00000167291	TBC1D16	37.35	53.27	1.43	6.15E-05	0.000747068
ENSG00000167578	RAB4B	17.27	24.65	1.43	0.010657938	0.017516298
ENSG00000183691	NOG	35.41	50.48	1.43	0.001735002	0.00468088
ENSG00000197956	S100A6	1063.81	1519.01	1.43	0.00012277	0.001061712
ENSG00000197982	C1orf122	47.22	67.73	1.43	0.002578896	0.006186619
ENSG00000213563	C8orf82	15.5	22.18	1.43	0.009302462	0.015783203
ENSG00000215717	TMEM167B	36	51.32	1.43	0.001061719	0.003439222
ENSG00000235272	FAM103A2P	52.39	74.85	1.43	0.001382952	0.00405738
ENSG00000236453	AC003092.1	37.2	53.05	1.43	0.001085664	0.003493976
ENSG00000260025	RP11-490M8.1	13.71	19.57	1.43	0.00371434	0.008106026
ENSG00000006007	GDE1	75.3	108.59	1.44	0.000651761	0.002572293
ENSG00000054282	SDCCAG8	17.35	24.92	1.44	0.010083604	0.016836632
ENSG00000067798	NAV3	16.49	23.75	1.44	0.002572347	0.006177005
ENSG00000070718	AP3M2	22.06	31.67	1.44	0.000509744	0.002196282
ENSG00000099377	HSD3B7	16.92	24.41	1.44	0.000191766	0.001291065
ENSG00000111670	GNPTAB	11.96	17.25	1.44	0.001532954	0.004327992
ENSG00000113273	ARSB	20.19	29.12	1.44	0.000158329	0.00117312
ENSG00000118508	RAB32	32.18	46.3	1.44	0.000134039	0.001096069
ENSG00000122359	ANXA11	177.19	255.44	1.44	0.01392965	0.021584117
ENSG00000122674	CCZ1	41.18	59.1	1.44	0.001817377	0.004835345
ENSG00000135047	CTSL	160.73	232.01	1.44	0.000715323	0.002722033
ENSG00000136295	TTYH3	142.98	206.08	1.44	0.000185114	0.001267502
ENSG00000137507	LRRC32	16.62	23.99	1.44	0.00029801	0.00162864
ENSG00000153071	DAB2	47.08	67.79	1.44	6.33E-05	0.000754434
ENSG00000155330	C16orf87	12.82	18.52	1.44	0.011422473	0.018457256



ENSG00000157978	LDLRAP1	16.68	24.05	1.44	0.025283313	0.035308727
ENSG00000162645	GBP2	13.42	19.36	1.44	0.001616688	0.00447182
ENSG00000162736	NCSTN	111.61	161.05	1.44	8.45E-05	0.000876894
ENSG00000168487	BMP1	39.85	57.31	1.44	0.000216338	0.001365008
ENSG00000168495	POLR3D	44.62	64.38	1.44	0.002283153	0.005685099
ENSG00000175115	PACS1	25.88	37.29	1.44	0.000230591	0.001402393
ENSG00000180979	LRRC57	22.9	33.09	1.44	0.003812907	0.008244427
ENSG00000181938	GIN53	14.69	21.09	1.44	0.000563684	0.002327776
ENSG00000186106	ANKRD46	32.87	47.44	1.44	0.011806502	0.018962839
ENSG00000197046	SIGLEC15	13.13	18.85	1.44	0.001266112	0.003848088
ENSG00000198925	ATG9A	83.15	119.34	1.44	0.010993026	0.017906764
ENSG00000198964	SGMS1	14.32	20.65	1.44	0.003997661	0.008530671
ENSG00000011198	ABHD5	15.3	22.14	1.45	0.000978789	0.003270439
ENSG00000059122	FLYWCH1	24.46	35.53	1.45	0.004651802	0.009494663
ENSG00000071889	FAM3A	17.55	25.5	1.45	0.001125264	0.003556866
ENSG00000091542	ALKBH5	24.82	36.05	1.45	0.000287819	0.001595248
ENSG00000105889	STEAP1B	11.21	16.24	1.45	0.008369281	0.014580352
ENSG00000107521	HPS1	27.86	40.44	1.45	0.000588016	0.002389553
ENSG00000112787	FBRSL1	42.36	61.43	1.45	0.018682694	0.027471243
ENSG00000112852	PCDHB2	39.78	57.58	1.45	0.00756361	0.013481158
ENSG00000117758	STX12	39.24	56.79	1.45	0.000181403	0.001254418
ENSG00000122557	HERPUD2	28.2	41.03	1.45	0.017999977	0.026607478
ENSG00000129636	ITFG1	66.6	96.75	1.45	0.001076748	0.003473074
ENSG00000134255	CEPT1	24.25	35.11	1.45	0.001649828	0.004514508
ENSG00000136235	GPNMB	22.43	32.52	1.45	0.00046025	0.00209705
ENSG00000136280	CCM2	55.48	80.19	1.45	0.000481602	0.002150886
ENSG00000142599	RERE	44.99	65.43	1.45	0.010901815	0.017822203
ENSG00000143862	ARL8A	50.27	73.01	1.45	0.004826684	0.009743089

ENSG00000144306	SCRN3	26.65	38.62	1.45	1.99E-05	0.000461014
ENSG00000145730	PAM	272.76	395.68	1.45	0.000193959	0.001292674
ENSG00000148690	FRA10AC1	19.18	27.83	1.45	0.01887604	0.027686117
ENSG00000152402	GUCY1A2	12.17	17.63	1.45	0.002336567	0.00577397
ENSG00000166963	MAP1A	77.76	112.72	1.45	4.58E-05	0.000648863
ENSG00000168575	SLC20A2	107.55	156.38	1.45	0.000518116	0.002222474
ENSG00000171307	ZDHHC16	55.5	80.34	1.45	0.000260859	0.001510044
ENSG00000175220	ARHGAP1	42.54	61.54	1.45	5.17E-05	0.000685605
ENSG00000181704	YIPF6	23.12	33.49	1.45	1.56E-05	0.000416582
ENSG00000198513	ATL1	18.1	26.21	1.45	0.003505096	0.00776204
ENSG00000248702	RP11-294J22.5	29.66	43.09	1.45	0.007045107	0.012794211
ENSG00000269958	RP11-73M18.8	13.39	19.42	1.45	0.00505302	0.010071689
ENSG00000008256	CYTH3	39.26	57.38	1.46	0.001440623	0.004157388
ENSG00000023697	DERA	23.9	34.84	1.46	0.002500108	0.006055611
ENSG00000069702	TGFBR3	20.66	30.08	1.46	0.000600068	0.002417639
ENSG00000084070	SMAP2	40.3	58.74	1.46	4.69E-06	0.000289445
ENSG00000103194	USP10	38.86	56.71	1.46	0.009868689	0.016577587
ENSG00000105270	CLIP3	58.25	85.2	1.46	0.00018397	0.001267502
ENSG00000111215	PRR4	18.2	26.49	1.46	0.010707982	0.01758376
ENSG00000118855	MFSD1	29.61	43.33	1.46	0.000314397	0.001682013
ENSG00000124209	RAB22A	11.91	17.43	1.46	8.78E-05	0.00089097
ENSG00000138382	METTL5	71.78	104.47	1.46	0.000741471	0.002781822
ENSG00000149091	DGKZ	40.49	59.23	1.46	0.001189459	0.003696337
ENSG00000152413	HOMER1	14.37	21	1.46	0.036459631	0.047947808
ENSG00000166925	TSC22D4	44.14	64.56	1.46	0.00150866	0.004282081
ENSG00000167904	TMEM68	17.83	26.12	1.46	0.001121804	0.003555815
ENSG00000167985	SDHAF2	80.46	117.17	1.46	0.000753791	0.002797987
ENSG00000171150	SOCS5	20.94	30.51	1.46	6.77E-06	0.000330214

ENSG00000177697	CD151	163.9	238.57	1.46	0.000543758	0.002280829
ENSG00000196792	STRN3	40.11	58.71	1.46	0.002102945	0.005366261
ENSG00000203778	FAM229B	42.65	62.17	1.46	0.000376438	0.001857727
ENSG00000213076	yR211F11.2	16.05	23.51	1.46	0.002424703	0.005916962
ENSG00000243279	PRAF2	48.22	70.28	1.46	0.000580966	0.002377378
ENSG00000013588	GPRC5A	16.73	24.6	1.47	0.01634519	0.024492981
ENSG00000059573	ALDH18A1	81.21	119.61	1.47	0.000427953	0.002009711
ENSG00000082126	MPP4	46.58	68.59	1.47	0.000727318	0.002756942
ENSG00000092531	SNAP23	57.33	84.29	1.47	0.00107843	0.003476588
ENSG00000104324	CPQ	34.22	50.25	1.47	9.46E-05	0.000929238
ENSG00000105647	PIK3R2	31.59	46.58	1.47	0.000427827	0.002009711
ENSG00000105855	ITGB8	20.43	29.96	1.47	0.003229614	0.007320625
ENSG00000109066	TMEM104	33.41	49.06	1.47	0.010457814	0.017255098
ENSG00000113621	TXNDC15	67.39	98.91	1.47	0.000982135	0.003279749
ENSG00000124508	BTN2A2	14.42	21.24	1.47	0.000561318	0.002323176
ENSG00000129038	LOXL1	128.16	187.93	1.47	0.001668777	0.00454304
ENSG00000129226	CD68	15.37	22.65	1.47	0.00156131	0.004383265
ENSG00000133315	MACROD1	64.27	94.57	1.47	1.43E-06	0.000228911
ENSG00000141376	BCAS3	13.44	19.7	1.47	0.037255227	0.048786211
ENSG00000143158	MPC2	87.73	129.19	1.47	0.000754029	0.002797987
ENSG00000144824	PHLDB2	63.42	93.11	1.47	0.002879921	0.006717525
ENSG00000150636	CCDC102B	30.07	44.22	1.47	0.002421572	0.00591613
ENSG00000177628	GBA	210.76	309.66	1.47	0.000144997	0.001125972
ENSG00000181666	HKR1	39.57	58.31	1.47	0.000704911	0.002700493
ENSG00000213465	ARL2	46.75	68.77	1.47	0.000679194	0.00263761
ENSG00000259153	RP6-65G23.3	17.76	26.05	1.47	0.012878973	0.020289682
ENSG00000004142	POLDIP2	73.85	109.08	1.48	8.22E-05	0.000862514
ENSG00000042493	CAPG	241.99	357.63	1.48	0.000130972	0.001084771

ENSG00000105854	PON2	212.91	314.89	1.48	2.24E-05	0.000483013
ENSG00000115042	FAHD2A	17.61	26.09	1.48	0.000893814	0.003090403
ENSG00000122507	BBS9	11.81	17.5	1.48	0.000784179	0.002845562
ENSG00000129480	DTD2	19.32	28.65	1.48	0.000268141	0.001534099
ENSG00000135046	ANXA1	434.33	641.46	1.48	7.79E-05	0.00084489
ENSG00000141503	MINK1	25.34	37.52	1.48	0.001329548	0.00396162
ENSG00000143393	PI4KB	86.94	128.88	1.48	9.43E-05	0.00092777
ENSG00000146376	ARHGAP18	43.31	63.99	1.48	0.001196734	0.003708444
ENSG00000149743	TRPT1	30.8	45.61	1.48	0.000714889	0.002722033
ENSG00000149761	NUDT22	27.95	41.32	1.48	0.014635281	0.022455209
ENSG00000153066	TXNDC11	23.28	34.45	1.48	0.000483895	0.002152596
ENSG00000166167	BTRC	18.16	26.95	1.48	0.001800678	0.004801808
ENSG00000169446	MMGT1	17.71	26.21	1.48	0.000235873	0.001416484
ENSG00000170776	AKAP13	20.56	30.48	1.48	0.001957072	0.005073507
ENSG00000173064	HECTD4	15.03	22.27	1.48	0.006221367	0.011704233
ENSG00000176390	CRLF3	17.9	26.48	1.48	0.011066717	0.018004762
ENSG00000215039	CD27-AS1	27.84	41.24	1.48	0.004826143	0.009743089
ENSG00000215900	SEPW1P	82.75	122.26	1.48	0.00434195	0.009057699
ENSG00000226138	RP1-228P16.7	21.09	31.15	1.48	0.007678948	0.013628738
ENSG00000231365	RP11-418J17.1	11.49	17.06	1.48	0.000297101	0.001625189
ENSG00000236105	AC000110.1	16.56	24.58	1.48	0.000402485	0.001940929
ENSG00000238227	C9orf69	30.6	45.4	1.48	1.11E-05	0.000368284
ENSG00000271361	HTATSF1P2	11.35	16.81	1.48	0.000670635	0.002616502
ENSG00000088298	EDEM2	30.99	46.11	1.49	1.18E-05	0.000378774
ENSG00000102189	EEA1	13.29	19.8	1.49	0.021691377	0.031084139
ENSG00000108960	MMD	39.73	59.25	1.49	0.000258156	0.001500323
ENSG00000109689	STIM2	31.86	47.6	1.49	0.000448314	0.002068381
ENSG00000116171	SCP2	141.52	211	1.49	0.000235395	0.001416484

ENSG00000130635	COL5A1	62.7	93.66	1.49	8.86E-05	0.000895164
ENSG00000134109	EDEM1	12.39	18.45	1.49	0.001819834	0.004839686
ENSG00000134531	EMP1	438.34	653.62	1.49	2.27E-06	0.000248614
ENSG00000138036	DYNC2LI1	24.92	37.18	1.49	6.57E-05	0.000771824
ENSG00000138835	RGS3	101.04	150.96	1.49	0.000179594	0.001247798
ENSG00000140545	MFGE8	86.88	129.69	1.49	0.000371171	0.001846912
ENSG00000145391	SETD7	43.63	64.97	1.49	0.000736684	0.002774158
ENSG00000152192	POU4F1	41.77	62.29	1.49	6.43E-05	0.000757444
ENSG00000166340	TPP1	69.49	103.41	1.49	0.003319039	0.007457029
ENSG00000166579	NDEL1	37.42	55.84	1.49	0.000299487	0.001633667
ENSG00000173166	RAPH1	36.33	54.06	1.49	0.001890392	0.004955413
ENSG00000176022	B3GALT6	19.82	29.54	1.49	1.24E-05	0.000382441
ENSG00000181523	SGSH	37.69	56.24	1.49	0.003711617	0.008106026
ENSG00000181788	SIAH2	21.08	31.42	1.49	0.008614491	0.014938552
ENSG00000181830	SLC35C1	14.21	21.19	1.49	0.004575032	0.009396844
ENSG00000183631	PRR32	42.85	64.03	1.49	0.000124818	0.001065318
ENSG00000186001	LRCH3	29.65	44.1	1.49	0.02768686	0.038121435
ENSG00000197324	LRP10	29.16	43.38	1.49	0.00012771	0.001072906
ENSG00000197928	ZNF677	24.81	36.95	1.49	0.000413263	0.001979879
ENSG00000242732	RGAG4	11.67	17.35	1.49	0.000209386	0.001339342
ENSG00000068903	SIRT2	136.14	203.75	1.5	7.99E-05	0.000850026
ENSG00000088256	GNA11	38.75	58.02	1.5	0.000272539	0.001544123
ENSG00000089063	TMEM230	112.24	168.27	1.5	0.000122236	0.001061712
ENSG00000115657	ABCB6	43.31	64.93	1.5	0.009007167	0.015425826
ENSG00000116209	TMEM59	479.85	720.49	1.5	4.60E-05	0.000648863
ENSG00000117151	CTBS	16.07	24.12	1.5	0.000320811	0.001704575
ENSG00000121578	B4GALT4	11.76	17.65	1.5	0.01028951	0.01704936
ENSG00000123989	CHPF	78.62	117.81	1.5	0.000857154	0.002995442

ENSG00000135048	TMEM2	55.71	83.69	1.5	0.000132227	0.001085967
ENSG00000135919	SERPINE2	1069.28	1606.99	1.5	5.68E-05	0.000710425
ENSG00000136908	DPM2	61.49	92.52	1.5	0.000580203	0.002375917
ENSG00000144366	GULP1	65.69	98.73	1.5	0.002486433	0.006032455
ENSG00000148175	STOM	53.05	79.71	1.5	0.001354231	0.004008688
ENSG00000153823	PID1	19.61	29.42	1.5	8.04E-05	0.000850026
ENSG00000157613	CREB3L1	24.6	36.87	1.5	0.000916597	0.003141395
ENSG00000158828	PINK1	24.68	37.04	1.5	0.000475312	0.002138487
ENSG00000163364	LINC01116	20.84	31.29	1.5	0.00125023	0.003812454
ENSG00000165861	ZFYVE1	15.62	23.39	1.5	0.015538974	0.023567641
ENSG00000172935	MRGPRF	23.77	35.61	1.5	0.00013878	0.001104399
ENSG00000175573	C11orf68	50.44	75.73	1.5	0.000212081	0.001348851
ENSG00000182606	TRAK1	14.04	21.13	1.5	8.05E-05	0.000850026
ENSG00000198663	C6orf89	16.36	24.62	1.5	0.000572759	0.002350356
ENSG00000241878	PISD	46.53	69.95	1.5	0.000883804	0.003068458
ENSG00000272831	RP11-792A8.4	16.33	24.48	1.5	0.012126706	0.019402729
ENSG00000083444	PLOD1	112.9	170.47	1.51	0.000101485	0.000959851
ENSG00000104219	ZDHHC2	38.89	58.81	1.51	0.000293059	0.001617873
ENSG00000104763	ASAH1	162.83	245.97	1.51	0.000147701	0.001132178
ENSG00000113319	RASGRF2	16.8	25.39	1.51	0.02166618	0.031061731
ENSG00000114353	GNAI2	162.64	245.95	1.51	1.86E-06	0.000228911
ENSG00000123600	METTL8	62.7	94.73	1.51	0.000728017	0.002757812
ENSG00000136816	TOR1B	55.22	83.47	1.51	6.38E-05	0.000755239
ENSG00000143153	ATP1B1	48.96	73.77	1.51	4.44E-05	0.000633952
ENSG00000144746	ARL6IP5	56.66	85.81	1.51	0.000831751	0.002939956
ENSG00000147535	PPAPDC1B	48.28	72.91	1.51	0.000172957	0.001224987
ENSG00000153879	CEBPG	19.9	29.97	1.51	1.78E-05	0.00044469
ENSG00000168591	TMUB2	36.07	54.41	1.51	8.87E-05	0.000895164

ENSG00000185883	ATP6V0C	116.09	175.09	1.51	0.001325654	0.003952027
ENSG00000186665	C17orf58	13.88	20.98	1.51	0.000771636	0.002824515
ENSG00000198168	SVIP	44.14	66.54	1.51	0.007479365	0.013379258
ENSG00000204592	HLA-E	25.78	38.93	1.51	0.000632637	0.002520235
ENSG00000221926	TRIM16	42.27	63.91	1.51	0.000102467	0.000962927
ENSG00000281903	AF127936.7	11.67	17.58	1.51	0.016646496	0.024895449
ENSG00000001036	FUCA2	41.1	62.55	1.52	0.000179873	0.001248256
ENSG00000005882	PDK2	24.58	37.24	1.52	0.001925009	0.005017002
ENSG00000047849	MAP4	154.31	235.25	1.52	6.08E-07	0.00018778
ENSG00000095303	PTGS1	10.41	15.85	1.52	0.000252493	0.00147914
ENSG00000105612	DNASE2	73.18	111.46	1.52	0.001770954	0.004748456
ENSG00000107021	TBC1D13	55.52	84.6	1.52	5.69E-05	0.000710425
ENSG00000130733	YIPF2	64.07	97.49	1.52	0.000542835	0.002279784
ENSG00000135677	GNS	114.13	173.02	1.52	0.000282026	0.001576552
ENSG00000137216	TMEM63B	14	21.34	1.52	0.000436706	0.002029972
ENSG00000142552	RCN3	279.48	425.13	1.52	9.49E-05	0.000929324
ENSG00000143028	SYPL2	10.05	15.32	1.52	0.000677843	0.002634108
ENSG00000143612	C1orf43	292.49	445.59	1.52	1.81E-05	0.00044718
ENSG00000146281	PM20D2	10.23	15.57	1.52	0.000501144	0.002181919
ENSG00000147475	ERLIN2	38.04	57.97	1.52	0.000200343	0.001306799
ENSG00000163492	CCDC141	23.98	36.39	1.52	0.000965123	0.003243255
ENSG00000164983	TMEM65	11.17	16.96	1.52	0.000540152	0.002275389
ENSG00000165915	SLC39A13	22.35	33.87	1.52	0.006559919	0.01217707
ENSG00000166848	TERF2IP	81.01	122.89	1.52	0.00011193	0.001009956
ENSG00000171492	LRRC8D	54.05	81.95	1.52	0.000132467	0.001086412
ENSG00000173020	ADRBK1	37.33	56.58	1.52	7.70E-06	0.000342117
ENSG00000178234	GALNT11	26.3	39.85	1.52	0.001410034	0.004106882
ENSG00000178761	FAM219B	41.75	63.39	1.52	0.000394833	0.001918227

ENSG00000185973	TMLHE	11.25	17.12	1.52	0.017636391	0.026168978
ENSG00000197892	KIF13B	33.77	51.24	1.52	0.000145563	0.001127581
ENSG00000211455	STK38L	14.13	21.53	1.52	0.000136691	0.001101612
ENSG00000235423	RP11-282O18.3	9.91	15.1	1.52	0.00923602	0.015694003
ENSG00000005243	COPZ2	52.66	80.57	1.53	0.000604955	0.002432146
ENSG00000018408	WWTR1	188.49	289.21	1.53	8.61E-05	0.00088852
ENSG00000049130	KITLG	14.73	22.57	1.53	0.002156486	0.005450705
ENSG00000051620	HEBP2	43.46	66.5	1.53	0.000666803	0.002606755
ENSG00000073008	PVR	56.05	85.48	1.53	2.36E-05	0.000494413
ENSG00000079150	FKBP7	75.91	116.1	1.53	2.00E-05	0.000461014
ENSG00000091129	NRCAM	30.92	47.16	1.53	0.001634776	0.004497681
ENSG00000100599	RIN3	15.94	24.42	1.53	0.00132334	0.003948793
ENSG00000106351	AGFG2	11.08	16.98	1.53	0.001384717	0.004057961
ENSG00000108439	PNPO	24.96	38.14	1.53	0.000527756	0.002247468
ENSG00000109738	GLRB	16.79	25.69	1.53	0.001226697	0.003768126
ENSG00000113742	CPEB4	10.51	16.06	1.53	0.000254183	0.00148607
ENSG00000138768	USO1	34.3	52.43	1.53	0.000631171	0.002516103
ENSG00000151689	INPP1	23.41	35.93	1.53	0.000449794	0.002073579
ENSG00000162604	TM2D1	77.24	118.52	1.53	0.000518617	0.002222474
ENSG00000162623	TYW3	27.73	42.32	1.53	0.000480563	0.002147883
ENSG00000166173	LARP6	58.78	90.22	1.53	0.000769861	0.002823519
ENSG00000171067	C11orf24	66.58	101.69	1.53	0.000353239	0.001793076
ENSG00000172594	SMPDL3A	13.47	20.63	1.53	0.000265392	0.001527046
ENSG00000178449	COX14	51.15	78.2	1.53	0.000561778	0.002323176
ENSG00000180694	TMEM64	21.22	32.41	1.53	0.0001475	0.001132123
ENSG00000197429	IPP	15.55	23.82	1.53	0.002246233	0.005614626
ENSG00000232533	AC093673.5	29.99	45.82	1.53	0.000778189	0.002836111
ENSG00000237187	NR2F1-AS1	36.73	56.09	1.53	0.000525725	0.002240444



ENSG00000266094	RASSF5	10.39	15.92	1.53	0.000338528	0.00174287
ENSG00000002919	SNX11	24.04	37.01	1.54	0.00055178	0.002304587
ENSG00000080823	MOK	12.02	18.55	1.54	0.001012873	0.003349964
ENSG00000099785	2-Mar	18.65	28.79	1.54	0.007054243	0.012802873
ENSG00000120725	SIL1	63.18	97.41	1.54	0.000126389	0.001071017
ENSG00000120820	GLT8D2	25.17	38.76	1.54	0.001209374	0.003732509
ENSG00000122585	NPY	93.01	143.6	1.54	0.000375954	0.001857727
ENSG00000144320	KIAA1715	57.54	88.82	1.54	0.004654652	0.009495603
ENSG00000151553	FAM160B1	13.04	20.11	1.54	0.013205887	0.020655994
ENSG00000160325	CACFD1	13.26	20.45	1.54	0.000544661	0.002282981
ENSG00000164117	FBXO8	12.82	19.69	1.54	0.001245313	0.003809101
ENSG00000182195	LDOC1	40.7	62.54	1.54	0.000508834	0.002196282
ENSG00000185088	RPS27L	79.32	122.48	1.54	0.000743526	0.002781934
ENSG00000188493	C19orf54	11.3	17.44	1.54	0.001419889	0.004121805
ENSG00000198722	UNC13B	12.42	19.18	1.54	1.83E-05	0.000448379
ENSG00000203727	SAMD5	36.19	55.8	1.54	0.000423116	0.002004163
ENSG00000256646	PSMA2	17.08	26.33	1.54	0.001011284	0.003346596
ENSG00000067836	ROGDI	11.57	17.88	1.55	0.016284791	0.024441775
ENSG00000078098	FAP	12.13	18.86	1.55	0.007771146	0.013759058
ENSG00000117305	HMGCL	25.11	38.99	1.55	0.000782259	0.002843875
ENSG00000131378	RFTN1	22.38	34.69	1.55	0.000127637	0.001072906
ENSG00000134996	OSTF1	11.32	17.59	1.55	0.000134468	0.001096069
ENSG00000142961	MOB3C	12.42	19.22	1.55	0.000573877	0.002353297
ENSG00000148343	FAM73B	16.14	25.05	1.55	0.001757218	0.004726756
ENSG00000161277	THAP8	18.76	29.06	1.55	9.98E-05	0.000950166
ENSG00000161671	EMC10	59.36	91.93	1.55	2.68E-05	0.000519505
ENSG00000162616	DNAJB4	59.8	92.86	1.55	0.001246115	0.003809101
ENSG00000164741	DLC1	22.65	35.21	1.55	0.002612808	0.006235858

ENSG00000182986	ZNF320	22.22	34.41	1.55	0.000488487	0.002155373
ENSG00000213435	ATP6V0CP3	9.57	14.81	1.55	0.007080967	0.012835483
ENSG00000240225	ZNF542P	24.55	38.09	1.55	0.003428751	0.00761887
ENSG00000250722	SEPP1	209.12	324.1	1.55	0.000525045	0.002239172
ENSG00000261824	LINC00662	37.09	57.5	1.55	2.70E-05	0.000520448
ENSG00000271601	LIX1L	23.64	36.55	1.55	5.55E-06	0.000311945
ENSG00000011105	TSPAN9	60.78	94.54	1.56	9.02E-05	0.000903767
ENSG00000013364	MVP	175.25	272.88	1.56	0.000609105	0.002443942
ENSG000000111252	SH2B3	30.31	47.17	1.56	5.66E-05	0.000710425
ENSG000000121851	POLR3GL	27.6	43.16	1.56	5.68E-05	0.000710425
ENSG000000151414	NEK7	28	43.67	1.56	0.000293281	0.001617873
ENSG000000164054	SHISA5	186.6	291.34	1.56	0.001162717	0.003638299
ENSG000000164823	OSGIN2	14.36	22.42	1.56	0.004876929	0.009810742
ENSG000000261559	FSCN1P1	18.5	28.85	1.56	0.000101937	0.000961157
ENSG00000013561	RNF14	48.39	76.17	1.57	9.47E-06	0.000347826
ENSG00000064999	ANKS1A	29.75	46.81	1.57	4.33E-06	0.000284402
ENSG000000102471	NDFIP2	33.66	52.75	1.57	0.00127545	0.003863243
ENSG000000109323	MANBA	18.73	29.47	1.57	0.00072891	0.002759412
ENSG000000110047	EHD1	93.12	146.54	1.57	0.000211115	0.00134563
ENSG000000112378	PERP	20.1	31.62	1.57	4.89E-05	0.000661646
ENSG000000122642	FKBP9	140.8	220.7	1.57	2.88E-06	0.000266942
ENSG000000122884	P4HA1	71.13	111.78	1.57	3.08E-05	0.000542982
ENSG000000126351	THRA	11.93	18.71	1.57	1.26E-05	0.000382441
ENSG000000133019	CHRM3	12.39	19.51	1.57	0.002830209	0.006635884
ENSG000000140961	OSGIN1	11.25	17.64	1.57	0.001086816	0.003493976
ENSG000000145390	USP53	18.19	28.58	1.57	0.003529502	0.007807161
ENSG000000159200	RCAN1	109.54	171.72	1.57	0.00062946	0.002512697
ENSG000000162889	MAPKAPK2	54.14	84.86	1.57	7.31E-05	0.000817745

ENSG00000170365	SMAD1	55.17	86.56	1.57	0.000737063	0.002774158
ENSG00000171928	TVP23B	12.59	19.75	1.57	0.004833218	0.009752922
ENSG00000197576	HOXA4	13	20.41	1.57	0.000673892	0.002625717
ENSG00000204611	ZNF616	12.48	19.61	1.57	0.000661025	0.002594544
ENSG00000214194	LINC00998	69.53	109.25	1.57	6.89E-05	0.000783618
ENSG00000071282	LMCD1	22.03	34.7	1.58	0.0002855	0.001590996
ENSG00000076356	PLXNA2	17.52	27.69	1.58	0.000159179	0.00117312
ENSG00000101335	MYL9	268.43	424.43	1.58	0.000270947	0.00154106
ENSG00000119632	IFI27L2	38.89	61.41	1.58	0.000410631	0.001970492
ENSG00000120860	CCDC53	26.57	42.07	1.58	0.00010442	0.000971931
ENSG00000132563	REEP2	17.55	27.69	1.58	0.001810259	0.004825163
ENSG00000149582	TMEM25	15.51	24.48	1.58	0.001852658	0.004902772
ENSG00000152683	SLC30A6	20.57	32.48	1.58	0.000234212	0.001415894
ENSG00000166147	FBN1	39.58	62.67	1.58	0.001315683	0.003942344
ENSG00000168936	TMEM129	14.88	23.46	1.58	0.000159306	0.00117312
ENSG00000172663	TMEM134	32.36	51.17	1.58	0.001420302	0.004121805
ENSG00000179598	PLD6	9.19	14.56	1.58	0.001170437	0.003656557
ENSG00000181751	C5orf30	18.62	29.4	1.58	2.97E-06	0.000266942
ENSG00000185339	TCN2	9.39	14.87	1.58	0.001515376	0.004294909
ENSG0000013563	DNASE1L1	22	34.99	1.59	0.033557139	0.044740099
ENSG00000108219	TSPAN14	48.88	77.6	1.59	8.60E-06	0.000345955
ENSG00000115295	CLIP4	23.32	37.01	1.59	0.00126472	0.003848088
ENSG00000121316	PLBD1	46.37	73.86	1.59	0.003129135	0.007153704
ENSG00000140105	WARS	190.96	303.4	1.59	1.57E-05	0.000416582
ENSG00000160446	ZDHHC12	36.67	58.23	1.59	0.001196556	0.003708444
ENSG00000162104	ADCY9	9.35	14.82	1.59	0.001406962	0.00410554
ENSG00000164300	SERINC5	9.58	15.19	1.59	0.000467944	0.002112585
ENSG00000166734	CASC4	28.54	45.41	1.59	6.24E-05	0.00074871

ENSG00000166946	CCNDBP1	20.61	32.76	1.59	0.00020638	0.001327925
ENSG00000179387	ELMOD2	9.6	15.26	1.59	0.000255176	0.001488908
ENSG00000187678	SPRY4	56.29	89.36	1.59	2.75E-05	0.000524747
ENSG00000196754	S100A2	237.63	376.76	1.59	0.000791605	0.002860119
ENSG00000076984	MAP2K7	25.71	41.21	1.6	0.000899196	0.003098053
ENSG00000087085	ACHE	10.32	16.53	1.6	0.004665309	0.009508993
ENSG00000100139	MICALL1	29.75	47.57	1.6	0.000184744	0.001267502
ENSG00000101439	CST3	141.17	225.45	1.6	0.000184323	0.001267502
ENSG00000116017	ARID3A	17.18	27.44	1.6	0.001301954	0.003921242
ENSG00000120306	CYSTM1	25.99	41.65	1.6	0.002136109	0.00541554
ENSG00000148444	COMMD3	37.41	59.73	1.6	0.007278226	0.01307984
ENSG00000159348	CYB5R1	82.49	132.15	1.6	0.000309238	0.001663643
ENSG00000163683	SMIM14	25.21	40.44	1.6	0.00022997	0.001401812
ENSG00000167555	ZNF528	14.04	22.52	1.6	0.004025076	0.008567349
ENSG00000174282	ZBTB4	13.76	21.97	1.6	3.50E-05	0.000574698
ENSG00000174456	C12orf76	12.57	20.08	1.6	0.000762439	0.002813905
ENSG00000183010	PYCR1	116.67	186.79	1.6	0.000259123	0.001504451
ENSG00000197747	S100A10	698.23	1116.37	1.6	5.62E-06	0.000311945
ENSG00000212747	FAM127C	26.52	42.36	1.6	0.000327778	0.001717572
ENSG00000254615	RP11-395G23.3	38.3	61.41	1.6	0.000189648	0.001281934
ENSG00000062524	LTK	11.4	18.3	1.61	0.001845234	0.004894441
ENSG00000115310	RTN4	599.36	965.86	1.61	2.29E-05	0.000489245
ENSG00000119950	MXI1	14.85	23.94	1.61	0.000215258	0.001361677
ENSG00000135926	TMBIM1	106.8	172.13	1.61	5.19E-05	0.000685605
ENSG00000149115	TNKS1BP1	79.48	128.25	1.61	0.001090879	0.003496869
ENSG00000175854	SWI5	43.18	69.43	1.61	0.00035529	0.001799152
ENSG00000102931	ARL2BP	46.39	74.99	1.62	2.39E-05	0.000496755
ENSG00000106992	AK1	289.14	467.28	1.62	0.000217865	0.001366437

ENSG00000108176	DNAJC12	15.04	24.3	1.62	0.000462317	0.002098316
ENSG00000131018	SYNE1	40.8	66.25	1.62	0.002989277	0.006909388
ENSG00000136867	SLC31A2	52.98	85.63	1.62	8.97E-06	0.000346383
ENSG00000146072	TNFRSF21	37.15	60.2	1.62	1.02E-05	0.000351724
ENSG00000165169	DYNLT3	27.2	44.04	1.62	0.000207634	0.00133359
ENSG00000166986	MARS	206.81	335.19	1.62	0.002177307	0.005486776
ENSG00000181929	PRKAG1	38.34	62	1.62	0.002523337	0.006091745
ENSG00000197568	HHLA3	8.69	14.09	1.62	0.001153082	0.003620152
ENSG00000233184	RP11-421L21.3	11.26	18.27	1.62	4.38E-05	0.000630547
ENSG00000256148	RP11-809N8.5	155.14	251.23	1.62	0.01367919	0.021243319
ENSG00000272622	RP11-395N3.2	8.46	13.71	1.62	0.000530851	0.002255732
ENSG00000103642	LACTB	10.37	16.92	1.63	0.00256933	0.006172286
ENSG00000109686	SH3D19	16.6	26.98	1.63	0.001033738	0.003390642
ENSG00000130517	PGPEP1	24.28	39.66	1.63	0.000353663	0.001793076
ENSG00000130779	CLIP1	25.01	40.77	1.63	0.00078601	0.002850441
ENSG00000132561	MATN2	9.3	15.13	1.63	0.00540529	0.010583178
ENSG00000162852	CNST	16.26	26.45	1.63	0.00011026	0.001003985
ENSG00000170271	FAXDC2	12.17	19.89	1.63	0.000235933	0.001416484
ENSG00000188015	S100A3	16.41	26.68	1.63	0.002891995	0.006729627
ENSG00000258643	BCL2L2-PABPN1	11.77	19.15	1.63	0.010263368	0.017019505
ENSG00000010278	CD9	37.48	61.59	1.64	0.000571863	0.002348323
ENSG00000067113	PPAP2A	15.77	25.8	1.64	0.000359939	0.001808638
ENSG00000069849	ATP1B3	193.19	317.49	1.64	6.81E-05	0.000783618
ENSG00000103227	LMF1	10.59	17.33	1.64	0.001477018	0.004231184
ENSG00000106772	PRUNE2	30.3	49.69	1.64	3.48E-05	0.000574658
ENSG00000113140	SPARC	2799.23	4589.67	1.64	1.60E-05	0.000420988
ENSG00000115993	TRAK2	63.36	104.18	1.64	2.35E-05	0.000494413
ENSG00000141380	SS18	113.26	185.25	1.64	0.002976325	0.006887597

ENSG00000153904	DDAH1	56.1	92.11	1.64	1.99E-05	0.000461014
ENSG00000156639	ZFAND3	85.46	140.56	1.64	4.56E-05	0.000648656
ENSG00000158292	GPR153	18.42	30.22	1.64	0.001870038	0.00493293
ENSG00000159713	TPPP3	214.61	351.82	1.64	4.90E-06	0.000299336
ENSG00000168890	TMEM150A	25.44	41.75	1.64	0.010066564	0.016822551
ENSG00000197496	SLC2A10	18.29	30	1.64	0.000436759	0.002029972
ENSG00000232098	CTD-2619J13.14	14.76	24.27	1.64	0.003740961	0.008142909
ENSG00000067715	SYT1	8.03	13.24	1.65	0.000159514	0.00117312
ENSG00000076067	RBMS2	8.81	14.54	1.65	6.87E-05	0.000783618
ENSG00000100418	DESI1	57.49	94.58	1.65	0.007746813	0.013720119
ENSG00000116132	PRRX1	50.28	83.01	1.65	0.000272172	0.001544123
ENSG00000132718	SYT11	86.24	142.56	1.65	1.89E-05	0.000454842
ENSG00000137414	FAM8A1	9.11	15.04	1.65	6.21E-05	0.00074871
ENSG00000149218	ENDOD1	18.44	30.39	1.65	9.92E-05	0.000947313
ENSG00000163472	TMEM79	8.54	14.08	1.65	0.00154031	0.004342489
ENSG00000171428	NAT1	9.23	15.27	1.65	0.009542973	0.01611751
ENSG00000184117	NIPSNAP1	64.68	106.72	1.65	3.32E-06	0.000274065
ENSG00000237945	LINC00649	8.75	14.45	1.65	0.007682857	0.013631551
ENSG00000267303	CTD-2369P2.12	18.11	29.92	1.65	0.000458087	0.002092073
ENSG00000005020	SKAP2	22.25	37.04	1.66	0.009225361	0.015691638
ENSG00000006327	TNFRSF12A	135.46	224.48	1.66	4.72E-07	0.00018778
ENSG00000020577	SAMD4A	20.97	34.8	1.66	0.000442044	0.002045106
ENSG00000087303	NID2	23.21	38.59	1.66	0.000384151	0.001881925
ENSG00000107438	PDLIM1	7.81	13	1.66	0.000820841	0.00291722
ENSG00000130827	PLXNA3	25.1	41.79	1.66	0.003256117	0.007366236
ENSG00000133243	BTBD2	79.77	132.12	1.66	0.000442572	0.002045106
ENSG00000135679	MDM2	26.91	44.77	1.66	0.010728757	0.017601245
ENSG00000152620	NADK2	13.21	21.9	1.66	0.000450878	0.002076166

ENSG00000182985	CADM1	11.3	18.71	1.66	0.005319781	0.010475218
ENSG00000184678	HIST2H2BE	12.31	20.48	1.66	0.001545866	0.00435606
ENSG00000243960	RP11-552M11.4	46.57	77.48	1.66	0.003337288	0.007477973
ENSG00000271707	ATP1B3P1	24.54	40.72	1.66	0.000320218	0.001704575
ENSG00000107902	LHPP	7.88	13.14	1.67	0.031659698	0.04271801
ENSG00000130309	COLGALT1	109.23	182.92	1.67	2.35E-05	0.000494413
ENSG00000130522	JUND	78.03	130.68	1.67	0.002140107	0.005418647
ENSG00000134590	FAM127A	137.44	229.19	1.67	9.37E-05	0.000927718
ENSG00000136878	USP20	16.97	28.42	1.67	0.000774333	0.002830853
ENSG00000140092	FBLN5	13.76	23.02	1.67	1.79E-05	0.00044469
ENSG00000148344	PTGES	25.26	42.14	1.67	0.001665257	0.00453767
ENSG00000149084	HSD17B12	26.37	44.1	1.67	0.000297029	0.001625189
ENSG00000204852	TCTN1	17.01	28.34	1.67	0.006460861	0.012031276
ENSG00000221923	ZNF880	11.95	19.9	1.67	0.00144531	0.004164765
ENSG00000225190	PLEKHM1	20.6	34.47	1.67	0.00504533	0.010063202
ENSG00000254337	RP11-865I6.2	8.22	13.75	1.67	0.002878853	0.006717525
ENSG00000260772	RP11-311C24.1	13.41	22.35	1.67	0.018040238	0.02664684
ENSG00000143452	HORMAD1	19.29	32.49	1.68	0.00676273	0.012425142
ENSG00000162772	ATF3	24.39	40.92	1.68	0.001323896	0.003948793
ENSG00000197077	KIAA1671	10.91	18.31	1.68	0.000197495	0.001297313
ENSG00000235013	COX20P2	11.1	18.64	1.68	0.033094131	0.04426642
ENSG00000012232	EXTL3	35.58	59.99	1.69	0.000218433	0.001366652
ENSG00000099968	BCL2L13	46.24	77.98	1.69	0.000131766	0.001085967
ENSG00000107738	C10orf54	28.39	47.88	1.69	9.78E-05	0.000938555
ENSG00000163536	SERPINI1	31.28	52.93	1.69	0.003416665	0.007606425
ENSG00000164414	SLC35A1	9.66	16.32	1.69	0.002858369	0.006691208
ENSG00000170088	TMEM192	18.45	31.12	1.69	0.000754192	0.002797987
ENSG00000182158	CREB3L2	30.88	52.24	1.69	0.000144302	0.001125767

ENSG00000212978	AC016747.3	15.21	25.68	1.69	0.002264052	0.005651938
ENSG00000222009	BTBD19	11.02	18.59	1.69	0.001442728	0.004161416
ENSG00000104432	IL7	7.18	12.22	1.7	0.000644913	0.002556979
ENSG00000107537	PHYH	14.81	25.12	1.7	0.000376622	0.001857727
ENSG00000115935	WIPF1	81.11	137.53	1.7	5.46E-05	0.000702266
ENSG00000129667	RHBDF2	37.32	63.33	1.7	0.001312397	0.00394055
ENSG00000143878	RHOB	22.42	38.03	1.7	9.51E-05	0.000929325
ENSG00000157110	RBPMS	36.54	62.26	1.7	8.50E-05	0.000879222
ENSG00000197852	FAM212B	27.06	46.09	1.7	0.000129555	0.00108067
ENSG00000250479	CHCHD10	70.61	120.09	1.7	0.000111949	0.001009956
ENSG00000034152	MAP2K3	11.73	20	1.71	0.000427001	0.002009711
ENSG00000103381	CPPED1	24.63	42.12	1.71	6.24E-05	0.00074871
ENSG00000112304	ACOT13	26.81	45.95	1.71	0.000499056	0.002181919
ENSG00000131459	GFPT2	36.39	62.21	1.71	0.000103171	0.000966021
ENSG00000152422	XRCC4	19.09	32.65	1.71	2.25E-05	0.000483013
ENSG00000204381	LAYN	23.37	39.96	1.71	1.02E-05	0.000351724
ENSG00000224208	AL590762.6	9.92	16.95	1.71	8.86E-05	0.000895164
ENSG00000139970	RTN1	50.29	86.74	1.72	0.000764083	0.002813905
ENSG00000174851	YIF1A	84.23	145.21	1.72	0.000676342	0.002630322
ENSG00000178752	FAM132B	33.23	57.3	1.72	7.89E-05	0.000848252
ENSG00000181852	RNF41	40.91	70.47	1.72	1.63E-05	0.000424259
ENSG00000197712	FAM114A1	36.64	63.2	1.72	0.000127256	0.001072168
ENSG00000204580	DDR1	51.09	87.89	1.72	0.003589875	0.007902038
ENSG00000256940	RP11-783K16.5	14.39	24.77	1.72	0.002883945	0.006721562
ENSG00000106105	GARS	354.89	613.08	1.73	6.21E-05	0.00074871
ENSG00000121691	CAT	13.97	24.2	1.73	0.00378705	0.008203643
ENSG00000137573	SULF1	98.82	170.88	1.73	8.24E-05	0.000862514
ENSG00000139174	PRICKLE1	9.57	16.51	1.73	0.009670568	0.016309523



ENSG00000177674	AGTRAP	25.49	44	1.73	6.86E-05	0.000783618
ENSG00000198715	GLMP	25.39	43.86	1.73	0.000411456	0.001972835
ENSG00000215440	NPEPL1	10.82	18.69	1.73	0.011439152	0.018479115
ENSG00000224051	CPTP	10.42	18	1.73	0.000328049	0.001717572
ENSG00000256235	SMIM3	36.75	63.69	1.73	3.80E-07	0.00018778
ENSG00000100364	KIAA0930	35.39	61.62	1.74	0.00037242	0.001849169
ENSG00000104368	PLAT	212.55	369.5	1.74	2.84E-05	0.000529753
ENSG00000108854	SMURF2	80.64	140.24	1.74	1.32E-05	0.000389549
ENSG00000139514	SLC7A1	10.43	18.19	1.74	4.75E-05	0.00065684
ENSG00000165832	TRUB1	19.05	33.08	1.74	0.000504291	0.002184515
ENSG00000250565	ATP6V1E2	7.01	12.23	1.74	0.001344326	0.003991457
ENSG00000013016	EHD3	14.78	25.88	1.75	2.22E-05	0.000481097
ENSG00000152137	HSPB8	28.6	50.19	1.75	4.96E-07	0.00018778
ENSG00000159792	PSKH1	23.97	41.84	1.75	9.55E-06	0.000347826
ENSG00000223969	AC002456.2	9.38	16.45	1.75	0.029940412	0.040679003
ENSG00000050405	LIMA1	115.58	203.09	1.76	1.01E-05	0.000351724
ENSG00000090861	AARS	95.96	169.28	1.76	7.98E-05	0.000850026
ENSG00000125827	TMX4	8.86	15.6	1.76	0.000344343	0.001766156
ENSG00000132294	EFR3A	18.55	32.63	1.76	0.000876153	0.003044399
ENSG00000138613	APH1B	9.75	17.19	1.76	3.89E-05	0.000593667
ENSG00000141526	SLC16A3	42.1	74.1	1.76	0.000296948	0.001625189
ENSG00000146147	MLIP	77.9	137.3	1.76	0.001209159	0.003732509
ENSG00000167930	ITFG3	47.42	83.28	1.76	0.000175978	0.001237331
ENSG00000198252	STYX	8.17	14.34	1.76	0.000800618	0.002877325
ENSG00000092621	PHGDH	129.8	230.23	1.77	4.80E-05	0.000658567
ENSG00000095794	CREM	40.9	72.53	1.77	0.000196253	0.00129443
ENSG00000107819	SFXN3	34.79	61.49	1.77	0.000509492	0.002196282
ENSG00000145362	ANK2	22.7	40.07	1.77	0.000504405	0.002184515

ENSG00000151320	AKAP6	16.5	29.15	1.77	0.011151353	0.018119017
ENSG00000158467	AHCYL2	17.26	30.51	1.77	4.20E-05	0.000619198
ENSG00000230082	PRRT3-AS1	8.23	14.58	1.77	0.015094552	0.023026568
ENSG00000106236	NPTX2	223.19	398.06	1.78	1.08E-06	0.000228911
ENSG00000146674	IGFBP3	52	92.8	1.78	2.04E-05	0.000464897
ENSG00000164933	SLC25A32	29.79	53.13	1.78	0.000129263	0.00108067
ENSG00000108861	DUSP3	46.68	83.67	1.79	7.86E-09	2.31E-05
ENSG00000152689	RASGRP3	7.19	12.88	1.79	0.002022534	0.005197257
ENSG00000238165	AC007560.1	48.57	87.02	1.79	0.004868152	0.009806542
ENSG00000005238	FAM214B	18.59	33.37	1.8	0.000308613	0.001661806
ENSG00000102575	ACP5	6.83	12.32	1.8	0.007549927	0.013470391
ENSG00000198933	TBKBP1	12.71	22.86	1.8	7.61E-05	0.000836456
ENSG00000024422	EHD2	91	164.34	1.81	5.46E-05	0.000702266
ENSG00000137502	RAB30	13.68	24.79	1.81	0.000118167	0.001037324
ENSG00000161714	PLCD3	51.91	94.04	1.81	0.003650097	0.007995579
ENSG00000167123	CERCAM	51.86	93.94	1.81	6.66E-05	0.000778439
ENSG00000169126	ARMC4	6.31	11.42	1.81	0.001456941	0.004189298
ENSG00000228175	GEMIN8P4	7.4	13.4	1.81	0.000138872	0.001104399
ENSG00000063176	SPHK2	29.77	54.05	1.82	0.000235184	0.001416484
ENSG00000078018	MAP2	31.59	57.58	1.82	0.000657622	0.002584648
ENSG00000078804	TP53INP2	25.55	46.47	1.82	4.29E-05	0.00062413
ENSG00000106366	SERPINE1	190.41	347.46	1.82	3.88E-07	0.00018778
ENSG00000161638	ITGA5	93.74	170.36	1.82	4.42E-05	0.000633079
ENSG00000169964	TMEM42	6.68	12.19	1.82	0.004043608	0.00860055
ENSG00000182752	PAPPA	11.57	21.01	1.82	0.000759934	0.002811516
ENSG00000185585	OLFML2A	59.14	107.9	1.82	9.62E-08	0.000112797
ENSG00000186866	POFUT2	62.16	113.14	1.82	6.90E-06	0.000331476
ENSG00000196569	LAMA2	24.12	43.9	1.82	0.005802327	0.011140499

ENSG00000038002	AGA	8.75	16.01	1.83	0.011495953	0.01853513
ENSG00000041880	PARP3	18.98	34.67	1.83	0.000217875	0.001366437
ENSG00000090530	P3H2	45.38	82.83	1.83	0.001293941	0.003907142
ENSG00000171451	DSEL	10.85	19.88	1.83	0.000219922	0.001366652
ENSG00000150051	MKX	6.46	11.89	1.84	0.001854425	0.004902772
ENSG00000164111	ANXA5	795.71	1463.92	1.84	0.000219125	0.001366652
ENSG00000172071	EIF2AK3	17.92	33.04	1.84	0.009138367	0.015595862
ENSG00000079313	REXO1	39.2	72.4	1.85	0.000460613	0.002097079
ENSG00000100196	KDELR3	35.67	66.16	1.85	4.04E-06	0.000284402
ENSG00000110400	PVRL1	25.92	47.84	1.85	0.000136302	0.001101612
ENSG00000162885	B3GALNT2	13.58	25.12	1.85	0.000168217	0.001211823
ENSG00000178537	SLC25A20	25.78	47.6	1.85	4.73E-05	0.00065684
ENSG00000257605	RP11-680A11.5	6.63	12.25	1.85	0.000209409	0.001339342
ENSG00000260916	CCPG1	14.53	26.95	1.85	6.14E-05	0.000747068
ENSG00000100439	ABHD4	29.93	55.68	1.86	0.000197135	0.001297313
ENSG00000183091	NEB	85.34	158.4	1.86	1.58E-05	0.000418214
ENSG00000103175	WFDC1	6.35	11.86	1.87	0.001144387	0.00360356
ENSG00000127419	TMEM175	13.07	24.46	1.87	0.018033254	0.026643235
ENSG00000138760	SCARB2	91.36	171.04	1.87	0.000100831	0.000956753
ENSG00000185567	AHNAK2	29.7	55.57	1.87	0.00013793	0.001104399
ENSG00000196511	TPK1	8.01	14.97	1.87	0.00378004	0.008195252
ENSG00000261295	RP11-524D16__A.3	10.54	19.71	1.87	0.004591421	0.009420607
ENSG00000110619	CARS	50.93	95.51	1.88	2.72E-05	0.000523307
ENSG00000149591	TAGLN	36.4	68.56	1.88	4.87E-05	0.00066087
ENSG00000173114	LRRN3	14.54	27.28	1.88	8.33E-05	0.000869668
ENSG00000231312	AC007246.3	11.45	21.55	1.88	9.66E-05	0.00093253
ENSG00000256664	RP11-611O2.3	7.63	14.34	1.88	0.012636528	0.020000162
ENSG00000008517	IL32	6.79	12.82	1.89	0.002374583	0.005840838

ENSG00000170634	ACYP2	8.75	16.52	1.89	0.003742639	0.008143537
ENSG00000239282	GATSL3	9.23	17.43	1.89	0.005228926	0.01033863
ENSG00000003056	M6PR	197.94	375.78	1.9	2.55E-06	0.000251614
ENSG00000074416	MGLL	34.09	64.66	1.9	1.31E-06	0.000228911
ENSG00000084731	KIF3C	42.51	80.81	1.9	7.63E-05	0.000836456
ENSG00000103855	CD276	79.12	149.97	1.9	0.000116958	0.001033451
ENSG00000123094	RASSF8	15.85	30.15	1.9	0.017105295	0.025516523
ENSG00000158109	TPRG1L	28.59	54.3	1.9	7.47E-06	0.000336873
ENSG00000164125	FAM198B	35.3	66.93	1.9	0.000892384	0.003089103
ENSG00000186577	C6orf1	23.87	45.4	1.9	0.001312041	0.00394055
ENSG00000107829	FBXW4	14.48	27.72	1.91	0.003142161	0.00717509
ENSG00000113083	LOX	353.1	675.93	1.91	1.03E-05	0.000352695
ENSG00000145246	ATP10D	19.4	37.11	1.91	0.001572476	0.004401432
ENSG00000166825	ANPEP	45.29	86.7	1.91	0.000329338	0.001720885
ENSG00000277586	NEFL	5.86	11.22	1.91	0.000791318	0.002860119
ENSG00000115414	FN1	1538.81	2958.43	1.92	4.39E-06	0.000284402
ENSG00000147883	CDKN2B	25.88	49.65	1.92	0.000149927	0.00114178
ENSG00000231925	TAPBP	27.79	53.46	1.92	2.09E-05	0.00046931
ENSG00000124702	KLHDC3	38.39	74.02	1.93	6.26E-06	0.000324862
ENSG00000175938	ORAI3	6.24	12.03	1.93	0.000509459	0.002196282
ENSG00000008441	NFIX	9.38	18.18	1.94	0.000376405	0.001857727
ENSG00000127863	TNFRSF19	16.03	31.14	1.94	6.29E-05	0.00075144
ENSG00000168938	PPIC	32.93	64.02	1.94	2.63E-05	0.000519138
ENSG00000068079	IFI35	15	29.25	1.95	1.21E-05	0.000382441
ENSG00000140564	FURIN	28.63	55.72	1.95	0.00018649	0.001271518
ENSG00000215386	MIR99AHG	6.34	12.38	1.95	0.000598963	0.002415625
ENSG00000223658	C1GALT1C1L	7.45	14.52	1.95	0.004155018	0.008764397
ENSG00000269834	ZNF528-AS1	6.15	11.99	1.95	0.000235164	0.001416484

ENSG00000177432	NAP1L5	10.14	19.91	1.96	9.04E-06	0.000346383
ENSG00000181804	SLC9A9	7.82	15.37	1.97	0.003603385	0.007922853
ENSG00000205312	KRT17P4	5.39	10.61	1.97	0.004807734	0.009718219
ENSG00000138061	CYP1B1	11.56	22.89	1.98	0.000138992	0.001104399
ENSG00000138411	HECW2	5.56	10.99	1.98	0.009464061	0.016021147
ENSG00000138641	HERC3	7.66	15.13	1.98	0.000219605	0.001366652
ENSG00000178031	ADAMTSL1	8.43	16.73	1.98	9.76E-05	0.000938287
ENSG00000197769	MAP1LC3C	7.97	15.81	1.98	0.00076417	0.002813905
ENSG00000126790	L3HYPDH	25.47	50.75	1.99	8.69E-06	0.000345955
ENSG00000227811	FAM212B-AS1	10.06	19.98	1.99	6.60E-06	0.000330214
ENSG00000111305	GSG1	6.98	14	2.01	0.001230543	0.00377796
ENSG00000130734	ATG4D	23.98	48.16	2.01	0.000131899	0.001085967
ENSG00000140931	CMTM3	64.54	129.73	2.01	3.04E-06	0.000266942
ENSG00000158296	SLC13A3	12.69	25.54	2.01	0.000522882	0.002233196
ENSG00000253276	CCDC71L	11.68	23.43	2.01	0.000171978	0.001224987
ENSG00000196743	GM2A	11.84	23.91	2.02	8.16E-06	0.000345738
ENSG00000123091	RNF11	73.98	149.82	2.03	0.00019443	0.001292674
ENSG00000132821	VSTM2L	5.57	11.33	2.03	0.002250295	0.005622382
ENSG00000106080	FKBP14	59.61	121.76	2.04	0.000175228	0.001235854
ENSG00000139278	GLIPR1	9.43	19.26	2.04	0.000156476	0.001168105
ENSG00000153214	TMEM87B	12.45	25.35	2.04	0.001122934	0.003556866
ENSG00000162976	PQLC3	7.53	15.4	2.05	0.003129062	0.007153704
ENSG00000168256	NKIRAS2	36.97	75.85	2.05	1.91E-06	0.000228911
ENSG00000138744	NAAA	28.35	58.48	2.06	4.11E-05	0.000611789
ENSG00000187957	DNER	6.62	13.66	2.06	0.002118085	0.005386145
ENSG00000116194	ANGPTL1	12.41	25.64	2.07	0.002293197	0.005705263
ENSG00000183741	CBX6	23.53	48.61	2.07	1.89E-06	0.000228911
ENSG00000198113	TOR4A	5.97	12.38	2.07	0.000148146	0.001133611

ENSG00000041982	TNC	306.9	638.1	2.08	1.33E-05	0.000389549
ENSG00000171867	PRNP	48.08	100.13	2.08	4.27E-05	0.000623099
ENSG00000136783	NIPSNAP3A	33.92	71.04	2.09	5.81E-07	0.00018778
ENSG00000170873	MTSS1	14.16	29.58	2.09	0.000250656	0.001472791
ENSG00000172318	B3GALT1	6.46	13.48	2.09	2.66E-05	0.000519138
ENSG00000198739	LRRTM3	14.35	30.06	2.09	0.000476787	0.002138487
ENSG00000041353	RAB27B	12.73	26.72	2.1	3.59E-05	0.000579064
ENSG00000135218	CD36	25.85	54.36	2.1	5.49E-06	0.000311945
ENSG00000136052	SLC41A2	7.27	15.25	2.1	0.000122399	0.001061712
ENSG00000158604	TMED4	78.69	165.39	2.1	2.78E-06	0.000262762
ENSG00000278948	RP5-1039K5.12	6.58	13.8	2.1	0.000394137	0.001917812
ENSG00000100243	CYB5R3	179.33	379.58	2.12	5.60E-05	0.000709207
ENSG00000154589	LY96	8.79	18.61	2.12	0.000156571	0.001168105
ENSG00000160058	BSDC1	57.98	122.91	2.12	5.94E-05	0.000731812
ENSG00000119242	CCDC92	19.86	42.39	2.13	5.89E-05	0.000728105
ENSG00000138395	CDK15	19.03	40.51	2.13	1.00E-05	0.000351724
ENSG00000224184	AC096559.1	6.2	13.22	2.13	0.001381283	0.00405738
ENSG00000261487	AC135048.13	4.71	10.03	2.13	0.005801846	0.011140499
ENSG00000078902	TOLLIP	26.29	56.34	2.14	9.18E-05	0.000918571
ENSG00000134769	DTNA	11.31	24.25	2.14	1.69E-05	0.00043134
ENSG00000146733	PSPH	57.31	122.73	2.14	1.93E-06	0.000228911
ENSG00000156603	MED19	15.96	34.1	2.14	9.68E-05	0.00093253
ENSG00000171160	MORN4	10.88	23.25	2.14	0.000131555	0.001085967
ENSG00000267013	CTD-2171N6.1	6.39	13.69	2.14	1.13E-05	0.00037471
ENSG00000130311	DDA1	34.71	74.5	2.15	0.000263139	0.001518745
ENSG00000184838	PRR16	18.77	40.35	2.15	0.000123572	0.001062083
ENSG00000129170	CSRP3	10.4	22.44	2.16	0.000295049	0.001625189
ENSG00000105698	USF2	47.72	104.72	2.19	3.24E-05	0.000557292

ENSG00000106066	CPVL	30.84	67.58	2.19	6.96E-06	0.000331616
ENSG00000119514	GALNT12	7.85	17.21	2.19	0.000177864	0.001240185
ENSG00000070669	ASNS	43.37	95.39	2.2	7.38E-08	0.000108128
ENSG00000213110	AC019178.2	4.18	9.24	2.21	0.000523746	0.002235258
ENSG00000166482	MFAP4	4.15	9.22	2.22	0.000902911	0.003105378
ENSG00000196154	S100A4	287.68	638.79	2.22	4.56E-06	0.000287486
ENSG00000205809	KLRC2	9.8	21.98	2.24	3.23E-05	0.000557292
ENSG00000223485	RP11-417E7.1	11.09	24.88	2.24	0.002233776	0.00558587
ENSG00000080573	COL5A3	8.83	19.86	2.25	1.99E-05	0.000461014
ENSG00000125848	FLRT3	9.65	21.73	2.25	0.00022449	0.001381333
ENSG00000060718	COL11A1	20.8	47.16	2.27	0.000426651	0.002009711
ENSG00000153406	NMRAL1	5.06	11.48	2.27	1.18E-05	0.000378774
ENSG00000174059	CD34	6.92	15.69	2.27	0.000134206	0.001096069
ENSG00000112977	DAP	67.22	153.76	2.29	4.95E-07	0.00018778
ENSG00000064989	CALCRL	8.94	20.54	2.3	0.006999713	0.012742862
ENSG00000236753	MKLN1-AS	4.69	10.77	2.3	0.003416049	0.007606425
ENSG00000113070	HBEGF	21.61	50.19	2.32	1.46E-05	0.000411356
ENSG00000124116	WFDC3	5.6	13.04	2.33	0.001880917	0.004941775
ENSG00000114200	BCHE	86.09	203.12	2.36	4.66E-05	0.000653638
ENSG00000186111	PIP5K1C	23.49	55.64	2.37	2.36E-06	0.000251614
ENSG00000113211	PCDHB6	4.65	11.05	2.38	3.71E-05	0.000585791
ENSG00000044524	EPHA3	5.97	14.31	2.4	3.02E-05	0.000542982
ENSG00000272405	RP11-284F21.10	7.14	17.15	2.4	4.21E-05	0.000619198
ENSG00000196975	ANXA4	16.38	39.44	2.41	0.000426171	0.002009711
ENSG00000170962	PDGFD	4.04	9.78	2.42	1.19E-05	0.000378774
ENSG00000108821	COL1A1	124.78	303.26	2.43	9.50E-06	0.000347826
ENSG00000119899	SLC17A5	15.22	37.17	2.44	3.08E-05	0.000542982
ENSG00000253408	RP11-231D20.2	3.82	9.35	2.45	0.006607918	0.012239651

ENSG00000108679	LGALS3BP	354.06	875.02	2.47	4.07E-05	0.000611734
ENSG00000135824	RGS8	3.88	9.58	2.47	0.000501945	0.002181919
ENSG00000068971	PPP2R5B	10.37	25.76	2.48	0.000154527	0.001166208
ENSG00000123643	SLC36A1	5.45	13.51	2.48	6.71E-06	0.000330214
ENSG00000021300	PLEKHB1	7.06	17.78	2.52	0.000195433	0.001293472
ENSG00000196159	FAT4	3.5	8.84	2.53	0.000268677	0.001534099
ENSG00000104722	NEFM	17.49	44.75	2.56	2.55E-05	0.000511182
ENSG00000155254	MARVELD1	17.16	44.13	2.57	3.63E-05	0.000579064
ENSG00000249992	TMEM158	23.69	61.15	2.58	7.17E-06	0.000336488
ENSG00000139173	TMEM117	5.24	13.6	2.6	0.000139245	0.001104918
ENSG00000172399	MYOZ2	4.97	12.92	2.6	1.64E-06	0.000228911
ENSG00000213626	LBH	17.06	44.78	2.62	6.88E-05	0.000783618
ENSG00000105520	LPPR2	26.59	69.9	2.63	2.03E-05	0.000464897
ENSG00000111266	DUSP16	4.83	12.86	2.66	0.000593213	0.00240235
ENSG00000148935	GAS2	4.19	11.19	2.67	0.00148703	0.004251877
ENSG00000256043	CTSO	4.92	13.2	2.68	8.56E-06	0.000345955
ENSG00000163661	PTX3	51.51	138.65	2.69	1.46E-06	0.000228911
ENSG00000153029	MR1	10.79	29.16	2.7	1.35E-06	0.000228911
ENSG00000166311	SMPD1	17.68	47.92	2.71	4.41E-06	0.000284402
ENSG00000104946	TBC1D17	13.92	37.91	2.72	9.41E-06	0.000347826
ENSG00000153993	SEMA3D	24.58	66.83	2.72	0.00032331	0.001709439
ENSG00000197479	PCDHB11	3.3	9.05	2.74	3.93E-06	0.000284402
ENSG00000138161	CUZD1	13.15	36.26	2.76	0.000430982	0.002013768
ENSG00000261040	WFDC21P	21.96	62.06	2.83	0.000148274	0.001133611
ENSG00000185924	RTN4RL1	4.09	11.67	2.85	1.64E-06	0.000228911
ENSG00000258509	RP11-857B24.3	46.33	131.98	2.85	1.87E-05	0.000453964
ENSG00000213965	NUDT19	6.27	18.09	2.89	8.20E-06	0.000345738
ENSG00000268083	AC104534.3	10.13	29.46	2.91	0.012401763	0.019713726



ENSG00000128965	CHAC1	8.62	25.58	2.97	5.20E-05	0.000685605
ENSG00000139269	INHBE	2.47	7.66	3.1	0.000947102	0.003206586
ENSG00000151012	SLC7A11	2.69	8.5	3.16	3.57E-05	0.000579064
ENSG00000128510	CPA4	76.09	242.54	3.19	1.32E-06	0.000228911
ENSG00000233971	RPS20P10	4.3	13.74	3.2	0.00993799	0.016655152
ENSG00000231107	LINC01508	2.55	8.57	3.36	0.000150145	0.001141956
ENSG00000110025	SNX15	11.2	38.04	3.4	1.28E-05	0.000382441
ENSG00000139329	LUM	20.65	71.9	3.48	2.19E-05	0.000481097
ENSG00000159450	TCHH	3.1	11.25	3.63	8.66E-06	0.000345955
ENSG00000084764	MAPRE3	7.19	26.42	3.67	6.95E-05	0.000786535
ENSG00000211448	DIO2	2.2	8.22	3.74	0.014570377	0.022391944
ENSG00000072506	HSD17B10	43.57	172.84	3.97	1.20E-08	2.34E-05
ENSG00000074527	NTN4	4.88	19.64	4.02	9.64E-06	0.000347826
ENSG00000142459	EVI5L	4.78	19.44	4.07	0.00010534	0.000975847
ENSG00000125971	DYNLRB1	54.95	260.94	4.75	3.30E-06	0.000274065
ENSG00000130513	GDF15	8.81	41.93	4.76	1.00E-05	0.000351724
ENSG00000136010	ALDH1L2	2.08	10.08	4.85	4.81E-05	0.000659084
ENSG00000128165	ADM2	1.85	9.03	4.88	5.40E-06	0.000311945
ENSG00000177363	LRRN4CL	2.15	11.22	5.22	7.53E-06	0.000336873
ENSG00000237232	ZNF295-AS1	0.95	6.53	6.87	3.28E-05	0.000558765
ENSG00000196517	SLC6A9	1.14	8.58	7.53	8.32E-06	0.000345955
ENSG00000267952	CTD-2207O23.12	0.11	5.4	49.09	0.021459353	0.03084256

**Genes significantly changed in expression (Q<0.05) upon KDM3A stable knockdown in Rh30 cells**

Gene	Common_name	Control (Scrambled)	Treatment (shKDM3A)	Fold-change	P-value	Q-value
		mean	mean			
ENSG00000170498	KISS1	5.59	0.23	-24.3	5.38E-05	0.001290139
ENSG00000201998	SNORA23	8.62	0.71	-12.14	0.02241285	0.038773875
ENSG00000101198	NKAIN4	42.85	5.33	-8.04	1.50E-05	0.000773231
ENSG00000236876	TMSB4XP1	8.06	0	-8	0.000439532	0.003169064
ENSG00000005884	ITGA3	9.32	1.2	-7.77	0.000150874	0.001920698
ENSG00000099860	GADD45B	21.31	4.54	-4.69	6.22E-05	0.00134622
ENSG00000114854	TNNC1	42.62	9.37	-4.55	1.43E-05	0.000769336
ENSG00000128342	LIF	6.77	1.57	-4.31	0.000242293	0.00235463
ENSG00000120937	NPPB	14.55	3.38	-4.3	0.000333932	0.002771815
ENSG00000148677	ANKRD1	25.59	5.96	-4.29	1.01E-05	0.000693295
ENSG00000081087	OSTM1	59.01	14.55	-4.06	3.96E-06	0.000634025
ENSG00000220113	MTCYBP4	9.2	2.29	-4.02	0.028905768	0.046562735
ENSG00000110195	FOLR1	9.63	2.61	-3.69	0.000463556	0.003287352
ENSG00000187772	LIN28B	8.59	2.39	-3.59	5.43E-06	0.000670828
ENSG00000142871	CYR61	118.28	34.14	-3.46	5.40E-07	0.000509738
ENSG00000179772	FOXS1	20.96	6.35	-3.3	0.000104066	0.001681039
ENSG00000133083	DCLK1	20.48	6.27	-3.27	2.05E-05	0.000888107
ENSG00000180209	MYLPF	43.89	13.55	-3.24	4.67E-05	0.001232878
ENSG00000149591	TAGLN	16.95	5.44	-3.12	4.37E-05	0.001201671
ENSG00000151892	GFRA1	23.17	7.61	-3.04	3.10E-05	0.001103688
ENSG00000140416	TPM1	279.52	92.46	-3.02	2.12E-06	0.000556621
ENSG00000167601	AXL	79.13	26.4	-3	2.12E-05	0.000888107
ENSG00000054392	HHAT	19.75	6.63	-2.98	8.56E-06	0.000670828
ENSG00000107738	C10orf54	10.72	3.67	-2.92	0.000991498	0.004901335
ENSG00000120913	PDLIM2	16.37	5.6	-2.92	0.000968541	0.004861231

ENSG00000105767	CADM4	15.38	5.34	-2.88	0.004603331	0.012744158
ENSG00000118523	CTGF	22.42	7.78	-2.88	2.53E-06	0.000569535
ENSG00000134107	BHLHE40	15.64	5.61	-2.79	0.000348695	0.002822328
ENSG00000242262	RP11-100N21.1	25.58	9.21	-2.78	0.031101549	0.049078723
ENSG00000175592	FOSL1	10.9	3.97	-2.75	0.000276099	0.002507953
ENSG00000120708	TGFBI	8.43	3.08	-2.74	0.000324538	0.002740441
ENSG00000150938	CRIM1	21.53	7.92	-2.72	0.002185118	0.007944814
ENSG00000151233	GXYLT1	54.3	20.11	-2.7	1.07E-05	0.000699672
ENSG00000168386	FILIP1L	19.71	7.31	-2.7	1.81E-05	0.000854027
ENSG00000165072	MAMDC2	22.58	8.46	-2.67	0.000181563	0.00203624
ENSG00000156265	MAP3K7CL	87.17	33.84	-2.58	1.33E-05	0.00075304
ENSG00000129521	EGLN3	61.62	24.28	-2.54	2.38E-06	0.000569535
ENSG00000225383	SFTA1P	8.39	3.31	-2.53	0.000665671	0.003997208
ENSG00000164172	MOCS2	56.45	22.4	-2.52	5.68E-05	0.001303409
ENSG00000139926	FRMD6	34.15	13.6	-2.51	3.47E-05	0.001111113
ENSG00000138758	11-Sep	506.09	202.18	-2.5	6.26E-06	0.000670828
ENSG00000188765	TMSB4XP2	38.06	15.22	-2.5	0.009633967	0.021302072
ENSG00000110092	CCND1	134.08	54.14	-2.48	1.50E-05	0.000773231
ENSG00000139998	RAB15	82.8	33.86	-2.45	1.76E-05	0.00083736
ENSG00000076706	MCAM	101.44	41.9	-2.42	5.06E-05	0.001257003
ENSG00000136068	FLNB	16.31	6.79	-2.4	0.000205713	0.002155667
ENSG00000259207	ITGB3	10.54	4.39	-2.4	4.30E-06	0.000634025
ENSG00000169398	PTK2	111.88	47.22	-2.37	0.001136613	0.005368222
ENSG00000149131	SERPING1	34.44	14.57	-2.36	0.000297469	0.002618291
ENSG00000151320	AKAP6	11.37	4.83	-2.35	8.07E-05	0.001489601
ENSG00000271482	CTB-152G17.4	22.37	9.58	-2.34	0.001553786	0.006471368
ENSG00000128606	LRRC17	192.45	82.92	-2.32	3.51E-05	0.001111113
ENSG00000007062	PROM1	47.45	20.59	-2.3	1.90E-05	0.000866569

ENSG00000115221	ITGB6	15.59	6.8	-2.29	0.000898709	0.0046644
ENSG00000214517	PPME1	184.65	80.48	-2.29	8.81E-06	0.000670828
ENSG00000106483	SFRP4	29.3	12.94	-2.26	0.00046862	0.003288698
ENSG00000135362	PRR5L	12.7	5.64	-2.25	0.003263058	0.010193525
ENSG00000273338	RP11-386I14.4	11.98	5.33	-2.25	0.00850244	0.01954113
ENSG00000276170	AC124789.1	19.84	8.82	-2.25	0.000326671	0.002740441
ENSG00000270236	RP11-265B8.5	12.67	5.65	-2.24	0.020344942	0.036123745
ENSG00000164305	CASP3	40.72	18.27	-2.23	1.91E-05	0.000866569
ENSG00000137801	THBS1	75.34	34.15	-2.21	4.17E-05	0.001186335
ENSG00000135048	TMEM2	90.99	41.49	-2.19	0.000208996	0.002156943
ENSG00000038427	VCAN	61.81	28.53	-2.17	1.53E-08	7.23E-05
ENSG00000130702	LAMA5	76.88	35.35	-2.17	3.77E-05	0.001159681
ENSG00000112697	TMEM30A	83.33	38.61	-2.16	0.000854728	0.004550164
ENSG00000134013	LOXL2	135.73	62.9	-2.16	5.03E-05	0.001257003
ENSG00000108821	COL1A1	12.57	5.86	-2.15	0.013116217	0.026304837
ENSG00000135636	DYSF	56.29	26.19	-2.15	0.000104283	0.001681039
ENSG00000112149	CD83	14.14	6.61	-2.14	9.70E-05	0.001648018
ENSG00000165272	AQP3	73.19	34.21	-2.14	3.97E-05	0.001159681
ENSG00000166741	NNMT	295.03	137.66	-2.14	1.04E-05	0.000699672
ENSG00000076716	GPC4	27.77	13.05	-2.13	2.86E-06	0.000614347
ENSG00000143369	ECM1	17.64	8.3	-2.13	0.000411781	0.003077624
ENSG00000215472	RPL17-C18orf32	34.04	16.04	-2.12	0.000910304	0.004714214
ENSG00000070961	ATP2B1	180.85	85.7	-2.11	0.000163401	0.001983916
ENSG00000081051	AFP	23.39	11.07	-2.11	0.002867709	0.009478089
ENSG00000197872	FAM49A	43.57	20.63	-2.11	0.000114321	0.001718086
ENSG00000115548	KDM3A	29.65	14.13	-2.1	0.000277636	0.002507953
ENSG00000178082	TWF1P1	34.89	16.6	-2.1	9.46E-05	0.001613118
ENSG00000123329	ARHGAP9	20.16	9.65	-2.09	5.47E-05	0.001303409

ENSG00000175832	ETV4	55.12	26.41	-2.09	0.000131842	0.001793011
ENSG00000229598	PRDX3P1	20.04	9.65	-2.08	0.002817668	0.009383115
ENSG00000069869	NEDD4	27.69	13.44	-2.06	2.37E-05	0.000933785
ENSG00000070404	FSTL3	17	8.24	-2.06	0.000246566	0.002386337
ENSG00000142949	PTPRF	105.31	51.11	-2.06	0.00034313	0.00279897
ENSG00000128567	PODXL	91.12	44.38	-2.05	8.24E-06	0.000670828
ENSG00000139219	COL2A1	175.87	85.71	-2.05	0.000159619	0.001958126
ENSG00000091482	SMPX	20.12	9.9	-2.03	0.000858394	0.004550164
ENSG00000274012	Metazoa_SRP	66.54	32.75	-2.03	0.016014375	0.030266464
ENSG00000074590	NUAK1	27.99	13.86	-2.02	6.25E-05	0.00134622
ENSG00000117906	RCN2	141.86	70.1	-2.02	7.50E-05	0.001423144
ENSG00000151239	TWF1	70.13	34.67	-2.02	0.000118219	0.001751806
ENSG00000137193	PIM1	30.26	15.03	-2.01	0.000326328	0.002740441
ENSG00000231468	PRDX3P2	16.05	7.97	-2.01	0.003472682	0.010620738
ENSG00000113070	HBEGF	10.68	5.33	-2	5.24E-05	0.001269669
ENSG00000118194	TNNT2	575.12	287.57	-2	1.21E-06	0.00054952
ENSG00000162511	LAPTM5	83.94	42.22	-1.99	2.11E-06	0.000556621
ENSG00000198668	CALM1	299.2	150.08	-1.99	7.06E-05	0.001407264
ENSG00000226400	CTD-2269E23.2	14.93	7.51	-1.99	0.028332233	0.045826416
ENSG00000198924	DCLRE1A	11.6	5.85	-1.98	9.46E-06	0.000670828
ENSG00000226549	SCDP1	26.95	13.62	-1.98	0.000156507	0.001941991
ENSG00000138379	MSTN	241.6	122.43	-1.97	6.00E-05	0.001325058
ENSG00000148426	PROSER2	22.8	11.57	-1.97	2.55E-05	0.000962349
ENSG00000186594	MIR22HG	10.63	5.39	-1.97	0.000136496	0.001817797
ENSG00000215016	RPL24P7	34.92	17.75	-1.97	0.023231109	0.039707275
ENSG00000243444	PALM2	16.25	8.26	-1.97	0.002923537	0.00956886
ENSG00000164176	EDIL3	22.12	11.27	-1.96	0.000736547	0.004206424
ENSG00000223467	CALM1P1	25.03	12.74	-1.96	0.000253579	0.00240204

ENSG00000235636	NUS1P1	13.69	6.98	-1.96	0.00041881	0.003100377
ENSG00000237819	AC002454.1	35.36	18.01	-1.96	0.003574827	0.010795338
ENSG00000111196	MAGOHB	60.63	31.09	-1.95	0.00042393	0.003112614
ENSG00000148154	UGCG	99.23	50.91	-1.95	2.12E-05	0.000888107
ENSG00000165156	ZHX1	21.98	11.25	-1.95	0.000208551	0.002156943
ENSG00000272405	RP11-284F21.10	11.24	5.76	-1.95	0.000187685	0.002066289
ENSG00000166341	DCHS1	13.32	6.87	-1.94	6.98E-05	0.001407264
ENSG00000224410	AC097499.2	25.14	12.94	-1.94	0.026229761	0.043361275
ENSG00000005102	MEOX1	17.68	9.14	-1.93	9.80E-06	0.000681002
ENSG00000085741	WNT11	12.53	6.49	-1.93	0.001736556	0.006903832
ENSG00000130755	GMFG	14.97	7.76	-1.93	0.01092375	0.023250506
ENSG00000167646	DNAAF3	29.26	15.13	-1.93	0.000166367	0.001999724
ENSG00000237161	RP11-32B5.1	13.41	6.95	-1.93	0.003057101	0.009854722
ENSG00000121769	FABP3	10.57	5.5	-1.92	0.00064388	0.003934084
ENSG00000127022	CANX	353.14	184.31	-1.92	0.000186898	0.002066289
ENSG00000095752	IL11	45.94	24.03	-1.91	2.18E-05	0.00089688
ENSG00000106624	AEBP1	47.21	24.73	-1.91	6.67E-05	0.001387738
ENSG00000134602	STK26	43.2	22.57	-1.91	7.03E-05	0.001407264
ENSG00000145287	PLAC8	17.79	9.29	-1.91	0.021500176	0.037749194
ENSG00000153179	RASSF3	25.25	13.2	-1.91	4.46E-05	0.001201671
ENSG00000180370	PAK2	40.42	21.29	-1.9	0.000109158	0.00169706
ENSG00000122861	PLAU	93.27	49.46	-1.89	6.94E-06	0.000670828
ENSG00000139318	DUSP6	67.48	35.61	-1.89	0.000221627	0.002236637
ENSG00000169764	UGP2	177.12	93.48	-1.89	0.000137982	0.001830586
ENSG00000259558	MESTP2	29.19	15.43	-1.89	0.000751917	0.004247973
ENSG00000138829	FBN2	30.73	16.34	-1.88	5.11E-05	0.001257474
ENSG00000187678	SPRY4	25.1	13.37	-1.88	0.000226795	0.002259004
ENSG00000103966	EHD4	59.96	31.99	-1.87	0.000131434	0.001793011

ENSG00000143322	ABL2	16.21	8.69	-1.87	0.000114951	0.001718086
ENSG00000160097	FNDC5	202.63	108.56	-1.87	0.000153838	0.001941991
ENSG00000165672	PRDX3	247.44	132.31	-1.87	1.35E-05	0.00075304
ENSG00000177733	HNRNPA0	77.89	41.65	-1.87	1.85E-05	0.000856079
ENSG00000215004	MESTP4	41.33	22.12	-1.87	5.08E-05	0.001257003
ENSG00000258445	RP11-307P22.1	72.67	38.93	-1.87	0.001525717	0.006405477
ENSG00000130164	LDLR	52.2	28.12	-1.86	0.000643128	0.003934084
ENSG00000230564	CALM1P2	15.24	8.19	-1.86	0.008879213	0.020116369
ENSG00000198121	LPAR1	11.41	6.16	-1.85	0.000493651	0.003388829
ENSG00000120539	MASTL	54.63	29.73	-1.84	0.000776883	0.004333915
ENSG00000128591	FLNC	211.34	115.8	-1.83	0.000311396	0.002682297
ENSG00000164122	ASB5	16.59	9.08	-1.83	0.000124357	0.00177759
ENSG00000159363	ATP13A2	63.35	34.77	-1.82	0.002840094	0.009419778
ENSG00000167244	IGF2	2229.86	1224.62	-1.82	0.000217029	0.00220436
ENSG00000249119	MTND6P4	61.01	33.45	-1.82	0.001387314	0.006008441
ENSG00000069956	MAPK6	54.62	30.15	-1.81	3.33E-05	0.001111113
ENSG00000113300	CNOT6	35.56	19.66	-1.81	0.000176411	0.002031195
ENSG00000137094	DNAJB5	28.69	15.85	-1.81	2.81E-05	0.001039744
ENSG00000139209	SLC38A4	15.12	8.34	-1.81	0.000187609	0.002066289
ENSG00000159055	MIS18A	53.08	29.36	-1.81	0.000353131	0.002841295
ENSG00000220884	MESTP1	327.88	181.22	-1.81	2.65E-05	0.000991544
ENSG00000221968	FADS3	97.65	53.97	-1.81	0.001558201	0.006478331
ENSG00000107551	RASSF4	43.13	23.93	-1.8	0.000212749	0.002179626
ENSG00000117335	CD46	89.65	49.89	-1.8	0.000186052	0.002066289
ENSG00000163399	ATP1A1	125.81	69.91	-1.8	3.03E-06	0.000622895
ENSG00000166326	TRIM44	73.22	40.69	-1.8	0.0007189	0.004145742
ENSG00000104368	PLAT	69.85	39.12	-1.79	9.95E-05	0.001671236
ENSG00000107831	FGF8	173.11	96.67	-1.79	0.000485925	0.003360922

ENSG00000114529	C3orf52	14.8	8.26	-1.79	0.001042685	0.00508215
ENSG00000131650	KREMEN2	19.29	10.79	-1.79	0.000598442	0.003768587
ENSG00000134954	ETS1	118.52	66.21	-1.79	6.50E-07	0.000511469
ENSG00000153989	NUS1	12.96	7.26	-1.79	0.000282715	0.002533708
ENSG00000162433	AK4	14.27	8.03	-1.78	0.0004128	0.003077624
ENSG00000182010	RTKN2	18.94	10.63	-1.78	0.00014609	0.001897273
ENSG00000224163	RP11-309L24.6	12.22	6.87	-1.78	0.003109853	0.009944371
ENSG00000158290	CUL4B	40.43	22.87	-1.77	0.000119371	0.001756358
ENSG00000164109	MAD2L1	264.08	148.91	-1.77	0.000382827	0.002959235
ENSG00000167767	KRT80	142.83	80.7	-1.77	1.13E-05	0.000712652
ENSG00000168497	SDPR	37.16	21.04	-1.77	8.07E-06	0.000670828
ENSG00000229000	SEPT7P8	15.6	8.8	-1.77	0.00122182	0.005641172
ENSG00000250927	MESTP3	64.32	36.44	-1.77	9.31E-06	0.000670828
ENSG00000275832	ARHGAP23	34.81	19.63	-1.77	0.000467497	0.003288698
ENSG00000162434	JAK1	73.17	41.55	-1.76	4.30E-05	0.001201671
ENSG00000107560	RAB11FIP2	14.07	8.04	-1.75	0.022035532	0.038391321
ENSG00000115318	LOXL3	20.75	11.88	-1.75	0.000507358	0.003428111
ENSG00000134352	IL6ST	40.85	23.4	-1.75	0.002975557	0.009684068
ENSG00000145349	CAMK2D	28.99	16.59	-1.75	0.002567042	0.008807924
ENSG00000112655	PTK7	157.7	90.6	-1.74	7.13E-05	0.001409481
ENSG00000120137	PANK3	77.42	44.56	-1.74	0.006838574	0.016901406
ENSG00000134153	EMC7	86.44	49.78	-1.74	0.00082475	0.004467081
ENSG00000136490	LIMD2	50.21	28.78	-1.74	0.000774199	0.004327267
ENSG00000157985	AGAP1	24.72	14.2	-1.74	0.004621999	0.012777703
ENSG00000223551	TMSB4XP4	54.41	31.29	-1.74	0.005476148	0.01441686
ENSG00000039560	RAI14	71.38	41.3	-1.73	6.76E-05	0.001396609
ENSG00000106868	SUSD1	20.38	11.76	-1.73	0.001157764	0.005431339
ENSG00000113328	CCNG1	128.72	74.35	-1.73	0.000157422	0.001941991



ENSG00000143367	TUFT1	18.97	10.99	-1.73	1.40E-06	0.00054952
ENSG00000173011	TADA2B	17.7	10.25	-1.73	0.000312492	0.002682297
ENSG00000198695	MT-ND6	196.71	113.46	-1.73	0.012192183	0.024917213
ENSG00000065320	NTN1	14.64	8.49	-1.72	0.001543134	0.006449754
ENSG00000106484	MEST	1363.28	793.94	-1.72	1.64E-05	0.000811424
ENSG00000111752	PHC1	23.82	13.81	-1.72	0.016238766	0.030507434
ENSG00000156017	C9orf41	17.12	9.93	-1.72	0.00107012	0.005173162
ENSG00000170891	CYTL1	22.13	12.83	-1.72	0.000465931	0.003288698
ENSG00000185236	RAB11B	81.68	47.39	-1.72	0.000302389	0.002635026
ENSG00000136888	ATP6V1G1	133.31	78.03	-1.71	0.000132289	0.001793011
ENSG00000144802	NFKBIZ	15.6	9.14	-1.71	0.000688518	0.004052022
ENSG00000153904	DDAH1	50.16	29.38	-1.71	9.85E-05	0.001660776
ENSG00000171552	BCL2L1	67.07	39.18	-1.71	0.000172286	0.002023774
ENSG00000173706	HEG1	49.38	28.95	-1.71	0.003361648	0.010377166
ENSG00000184557	SOCS3	35.03	20.47	-1.71	6.36E-06	0.000670828
ENSG00000241852	C8orf58	21.74	12.7	-1.71	0.000148484	0.001910869
ENSG00000092969	TGFB2	28.55	16.84	-1.7	0.003484174	0.01062347
ENSG00000134824	FADS2	16.8	9.89	-1.7	0.002280082	0.008126581
ENSG00000136830	FAM129B	123.91	72.89	-1.7	0.000357509	0.002857044
ENSG00000138449	SLC40A1	29.72	17.5	-1.7	0.000407103	0.0030617
ENSG00000139182	CLSTN3	20.09	11.82	-1.7	0.001805275	0.00708743
ENSG00000144824	PHLDB2	106.7	62.69	-1.7	0.000149711	0.001911037
ENSG00000145332	KLHL8	20.6	12.13	-1.7	0.000405988	0.003061257
ENSG00000163935	SFMBT1	12.7	7.49	-1.7	0.000395286	0.003030562
ENSG00000173442	EHBP1L1	20.95	12.35	-1.7	0.000323964	0.002740441
ENSG00000187550	SBK2	17.51	10.31	-1.7	0.000335943	0.002773497
ENSG00000232742	RHOQP2	29.89	17.6	-1.7	0.002477186	0.008628133
ENSG00000250588	IQCJ-SCHIP1	18.6	10.96	-1.7	0.010915626	0.02324369

ENSG00000024526	DEPDC1	38.13	22.62	-1.69	0.000518993	0.003453973
ENSG00000135862	LAMC1	194.46	115.01	-1.69	6.27E-06	0.000670828
ENSG00000149948	HMGA2	62.52	37.03	-1.69	1.15E-05	0.000713208
ENSG00000223508	RPL23AP53	15.1	8.95	-1.69	0.009282175	0.020747616
ENSG00000091986	CCDC80	24.11	14.33	-1.68	0.004244121	0.012127466
ENSG00000144868	TMEM108	43.97	26.19	-1.68	0.000182369	0.00203624
ENSG00000172164	SNTB1	25.36	15.08	-1.68	7.02E-06	0.000670828
ENSG00000256618	MTRNR2L1	174.02	103.4	-1.68	0.000165223	0.001995771
ENSG00000104331	IMPAD1	43.28	25.91	-1.67	4.38E-07	0.000509738
ENSG00000122591	FAM126A	46.16	27.65	-1.67	0.000406277	0.003061257
ENSG00000173221	GLRX	59.99	35.92	-1.67	0.002950956	0.009631902
ENSG00000206418	RAB12	36.12	21.66	-1.67	0.000375784	0.002932508
ENSG00000099194	SCD	303.12	182.86	-1.66	1.37E-05	0.00075304
ENSG00000103642	LACTB	15.81	9.52	-1.66	0.014474429	0.028121237
ENSG00000122694	GLIPR2	41.91	25.25	-1.66	0.000103431	0.001681039
ENSG00000145860	RNF145	81.61	49.22	-1.66	0.000228396	0.002259004
ENSG00000188662	HILS1	22.36	13.5	-1.66	0.000806107	0.004423576
ENSG00000196233	LCOR	13.81	8.31	-1.66	0.005047602	0.013626259
ENSG00000235582	RP11-448G4.2	12.79	7.71	-1.66	0.025747495	0.042713529
ENSG00000049656	CLPTM1L	136.28	82.43	-1.65	0.000376608	0.002932508
ENSG00000091409	ITGA6	34.38	20.81	-1.65	0.000654497	0.003971111
ENSG00000106771	TMEM245	50.47	30.64	-1.65	1.13E-05	0.000712652
ENSG00000113739	STC2	286.96	173.78	-1.65	0.001474132	0.006238645
ENSG00000130202	PVRL2	94.09	56.93	-1.65	0.000267228	0.002461818
ENSG00000133193	FAM104A	68.35	41.32	-1.65	9.52E-06	0.000670828
ENSG00000137285	TUBB2B	44.9	27.18	-1.65	0.000103863	0.001681039
ENSG00000139263	LRIG3	50.21	30.41	-1.65	0.00106677	0.005162246
ENSG00000163697	APBB2	72.9	44.08	-1.65	0.001317188	0.005835909

ENSG00000172123	SLFN12	27.14	16.47	-1.65	0.002369086	0.00833527
ENSG00000008282	SYPL1	75.74	46.24	-1.64	0.000277717	0.002507953
ENSG00000079459	FDFT1	237.35	144.76	-1.64	3.25E-05	0.00110418
ENSG00000122490	PQLC1	15.79	9.64	-1.64	0.001478131	0.006249969
ENSG00000153012	LGI2	14.43	8.79	-1.64	0.001405186	0.006049959
ENSG00000166272	WBP1L	43.8	26.71	-1.64	3.59E-06	0.000634025
ENSG00000168209	DDIT4	50.78	30.88	-1.64	0.000143458	0.001882088
ENSG00000228380	MYL6BP1	18.41	11.22	-1.64	0.016150218	0.030389434
ENSG00000063601	MTMR1	24.46	15.03	-1.63	0.00079163	0.004367439
ENSG00000075303	SLC25A40	42.82	26.19	-1.63	0.000987163	0.004892309
ENSG00000103064	SLC7A6	25.42	15.57	-1.63	0.000425537	0.003112614
ENSG00000130513	GDF15	26.57	16.32	-1.63	0.000586992	0.003721296
ENSG00000132463	GRSF1	158.82	97.54	-1.63	0.000302354	0.002635026
ENSG00000134480	CCNH	75.66	46.33	-1.63	0.000506801	0.003428111
ENSG00000140859	KIFC3	29.63	18.22	-1.63	0.001418677	0.00608742
ENSG00000159164	SV2A	20.08	12.33	-1.63	2.50E-06	0.000569535
ENSG00000256222	MTRNR2L3	49.85	30.67	-1.63	0.001289146	0.005771218
ENSG00000060982	BCAT1	197.36	121.76	-1.62	7.19E-05	0.001409481
ENSG00000135902	CHRND	99.43	61.3	-1.62	2.01E-05	0.000888107
ENSG00000144451	SPAG16	15.74	9.7	-1.62	0.000220703	0.002232077
ENSG00000197747	S100A10	181.48	111.9	-1.62	9.11E-05	0.001583918
ENSG00000205542	TMSB4X	1648.96	1015.68	-1.62	0.000206984	0.002155667
ENSG00000109265	KIAA1211	24.65	15.28	-1.61	0.025225813	0.042054894
ENSG00000162522	KIAA1522	14.9	9.23	-1.61	0.00022675	0.002259004
ENSG00000169139	UBE2V2	80.07	49.58	-1.61	0.0012721	0.005728291
ENSG00000090889	KIF4A	44.03	27.52	-1.6	0.000120087	0.001758733
ENSG00000100644	HIF1A	181.24	113.46	-1.6	0.00025242	0.002398747
ENSG00000109586	GALNT7	49.06	30.67	-1.6	0.000787775	0.004365428

ENSG00000132109	TRIM21	14.63	9.15	-1.6	0.003256157	0.010193525
ENSG00000135776	ABCB10	14.24	8.91	-1.6	0.00096071	0.004837441
ENSG00000139350	NEDD1	26.34	16.47	-1.6	2.23E-05	0.000908268
ENSG00000172927	MYEOV	20.02	12.55	-1.6	0.029659899	0.047486
ENSG00000040341	STAU2	32.28	20.33	-1.59	0.004326197	0.012259818
ENSG00000100997	ABHD12	53.05	33.3	-1.59	6.35E-05	0.001356606
ENSG00000131389	SLC6A6	20.74	13.02	-1.59	0.016854677	0.031359543
ENSG00000154310	TNIK	14.83	9.3	-1.59	0.000277039	0.002507953
ENSG00000154734	ADAMTS1	301.92	189.64	-1.59	8.61E-05	0.001546855
ENSG00000159173	TNNI1	1572.13	990.93	-1.59	0.000322336	0.002738115
ENSG00000169032	MAP2K1	78.13	49.22	-1.59	3.50E-05	0.001111113
ENSG00000170522	ELOVL6	67.58	42.6	-1.59	3.98E-05	0.001159681
ENSG00000075420	FNDC3B	44.38	28.04	-1.58	7.27E-05	0.001414125
ENSG00000104549	SQLE	60.97	38.47	-1.58	0.001273493	0.005728291
ENSG00000114251	WNT5A	23.87	15.15	-1.58	0.000127952	0.00177759
ENSG00000116774	OLFML3	123.8	78.39	-1.58	5.08E-06	0.000670828
ENSG00000127328	RAB3IP	18.98	12	-1.58	0.00741189	0.01780223
ENSG00000130703	OSBPL2	58.13	36.86	-1.58	0.000180177	0.002031195
ENSG00000157193	LRP8	28.83	18.27	-1.58	0.00308233	0.009901031
ENSG00000234558	API5P1	15.67	9.89	-1.58	0.005687423	0.014857135
ENSG00000111906	HDDC2	90.23	57.31	-1.57	0.000707346	0.00410417
ENSG00000114127	XRN1	108.69	69.24	-1.57	0.005670343	0.014837136
ENSG00000123384	LRP1	87.93	56.15	-1.57	0.00099845	0.004912745
ENSG00000138759	FRAS1	39.1	24.98	-1.57	0.00255016	0.008775465
ENSG00000179361	ARID3B	21.21	13.5	-1.57	0.000253783	0.00240204
ENSG00000228415	PTMAP1	14.38	9.15	-1.57	0.017207577	0.031883636
ENSG00000231397	AC004941.5	75.69	48.34	-1.57	0.022452685	0.038801329
ENSG00000112893	MAN2A1	34.16	21.87	-1.56	0.000161957	0.001973676

ENSG00000115457	IGFBP2	235.1	150.41	-1.56	0.000195342	0.002130717
ENSG00000117461	PIK3R3	17.38	11.12	-1.56	0.000252065	0.002398747
ENSG00000135046	ANXA1	89.86	57.71	-1.56	0.000182344	0.00203624
ENSG00000138435	CHRNA1	456.29	291.93	-1.56	9.07E-06	0.000670828
ENSG00000166086	JAM3	297.69	190.6	-1.56	2.30E-05	0.000921591
ENSG00000183873	SCN5A	27.73	17.81	-1.56	0.008303893	0.019196909
ENSG00000046653	GPM6B	126	81.41	-1.55	7.40E-05	0.001420527
ENSG00000073792	IGF2BP2	56.71	36.58	-1.55	0.001036262	0.00505606
ENSG00000135069	PSAT1	126.24	81.63	-1.55	0.000125445	0.00177759
ENSG00000167202	TBC1D2B	69.95	45.2	-1.55	0.010351732	0.02234517
ENSG00000267279	RP11-879F14.2	18.99	12.28	-1.55	0.00074326	0.004224328
ENSG00000050165	DKK3	25.88	16.79	-1.54	0.010436503	0.022456312
ENSG00000131378	RFTN1	32.68	21.27	-1.54	0.000674948	0.004010178
ENSG00000141542	RAB40B	20.87	13.55	-1.54	0.000893935	0.004654966
ENSG00000210082	MT-RNR2	4598.57	2977.51	-1.54	7.14E-05	0.001409481
ENSG00000235734	HMGN1P36	19.11	12.37	-1.54	0.02589866	0.042919077
ENSG00000070614	NDST1	59.21	38.66	-1.53	0.007259238	0.017618388
ENSG00000072310	SREBF1	97.44	63.79	-1.53	0.004574989	0.012680558
ENSG00000100034	PPM1F	54.61	35.77	-1.53	0.002601466	0.008884109
ENSG00000108582	CPD	52.72	34.36	-1.53	0.023271892	0.039710822
ENSG00000125347	IRF1	29.42	19.26	-1.53	0.00041989	0.003103508
ENSG00000128656	CHN1	116.3	76.17	-1.53	3.90E-06	0.000634025
ENSG00000131473	ACLY	155.84	102.06	-1.53	1.75E-06	0.00054952
ENSG00000134243	SORT1	39.27	25.62	-1.53	3.46E-05	0.001111113
ENSG00000164442	CITED2	63.2	41.26	-1.53	0.00393544	0.011537605
ENSG00000166181	API5	79.83	52.22	-1.53	0.000167993	0.002004805
ENSG00000196591	HDAC2	542.59	355.24	-1.53	3.13E-05	0.001103688
ENSG00000197324	LRP10	17.17	11.25	-1.53	0.004657916	0.012820126

ENSG00000099869	IGF2-AS	21.71	14.31	-1.52	7.56E-05	0.001423144
ENSG00000112972	HMGCS1	105.24	69.12	-1.52	6.77E-05	0.001396609
ENSG00000137331	IER3	28.91	19.05	-1.52	0.000328109	0.002747622
ENSG00000142627	EPHA2	89.53	58.8	-1.52	0.00295642	0.009636418
ENSG00000180574	EIF2S3L	69.81	45.98	-1.52	0.000204325	0.002155667
ENSG00000231607	DLEU2	43.03	28.31	-1.52	0.000110464	0.00169706
ENSG00000254013	MAP2K1P1	19.44	12.77	-1.52	0.000146222	0.001897273
ENSG00000255823	MTRNR2L8	166.76	109.96	-1.52	0.001254355	0.005680234
ENSG00000100345	MYH9	201.59	133.26	-1.51	0.00656573	0.016494651
ENSG00000100426	ZBED4	37.46	24.87	-1.51	1.40E-05	0.000761362
ENSG00000104442	ARMC1	33.18	22.02	-1.51	5.86E-05	0.001305099
ENSG00000108406	DHX40	24.19	15.97	-1.51	0.000595764	0.003756735
ENSG00000109079	TNFAIP1	30.85	20.37	-1.51	0.000225498	0.002259004
ENSG00000117394	SLC2A1	101.24	67.17	-1.51	0.000689459	0.004052022
ENSG00000124145	SDC4	83.37	55.11	-1.51	0.000115459	0.001720224
ENSG00000137267	TUBB2A	16.95	11.26	-1.51	0.004524213	0.012576726
ENSG00000164951	PDP1	19.31	12.8	-1.51	0.019416783	0.034868999
ENSG00000165490	DDIAS	51.59	34.21	-1.51	0.000453387	0.003244465
ENSG00000240801	AC132217.4	2336.88	1546.58	-1.51	0.00186698	0.007203488
ENSG00000261774	RP11-328J14.2	20.44	13.55	-1.51	0.017515518	0.032276938
ENSG00000091527	CDV3	198.41	132.05	-1.5	0.000170807	0.002023774
ENSG00000104375	STK3	30.01	20.03	-1.5	0.003286425	0.010218424
ENSG00000110042	DTX4	28.74	19.2	-1.5	0.000122054	0.001767664
ENSG00000112715	VEGFA	25.36	16.94	-1.5	0.000741371	0.004222645
ENSG00000135439	AGAP2	38.92	25.93	-1.5	6.32E-06	0.000670828
ENSG00000137936	BCAR3	34.65	23.03	-1.5	0.002170233	0.007921183
ENSG00000151693	ASAP2	37.02	24.64	-1.5	4.91E-05	0.001257003
ENSG00000169857	AVEN	24.39	16.31	-1.5	0.001124696	0.005327925

ENSG00000170043	TRAPPC1	183.35	122.37	-1.5	0.002181995	0.00794036
ENSG00000173402	DAG1	87.37	58.3	-1.5	0.00017735	0.002031195
ENSG00000236646	LAMTOR5P1	80.23	53.37	-1.5	0.000356789	0.002856127
ENSG00000261612	SUB1P3	93.81	62.54	-1.5	0.006418538	0.016272011
ENSG00000277734	TRAC	16.47	10.99	-1.5	0.011831572	0.024508998
ENSG00000002834	LASP1	77.38	51.96	-1.49	7.68E-07	0.000518409
ENSG00000035403	VCL	41.05	27.54	-1.49	0.000456554	0.003262189
ENSG00000106683	LIMK1	47.42	31.75	-1.49	0.000113392	0.001711028
ENSG00000113387	SUB1	274.63	183.84	-1.49	0.004845314	0.013213466
ENSG00000129657	SEC14L1	90.28	60.65	-1.49	0.000365165	0.002884071
ENSG00000131711	MAP1B	26.07	17.5	-1.49	3.50E-05	0.001111113
ENSG00000135424	ITGA7	42.2	28.3	-1.49	0.008293316	0.019181848
ENSG00000154736	ADAMTS5	41.25	27.63	-1.49	0.000108486	0.00169706
ENSG00000155100	OTUD6B	15.47	10.37	-1.49	0.002327423	0.008234023
ENSG00000165502	RPL36AL	423.4	284.72	-1.49	0.000129382	0.001786754
ENSG00000198561	CTNND1	94.45	63.33	-1.49	1.08E-05	0.000699672
ENSG00000241007	SEPT7P6	26.99	18.07	-1.49	0.000979645	0.004873096
ENSG00000243781	RP11-193H5.2	25.6	17.21	-1.49	8.15E-05	0.001497916
ENSG00000067064	IDI1	76.85	51.91	-1.48	0.000573684	0.003663793
ENSG00000134049	IER3IP1	17.51	11.83	-1.48	0.000836137	0.004495164
ENSG00000134531	EMP1	17.96	12.12	-1.48	0.000863731	0.004573322
ENSG00000145911	N4BP3	56.92	38.49	-1.48	0.000531407	0.003510257
ENSG00000146966	DENND2A	18.31	12.35	-1.48	0.000390217	0.003006515
ENSG00000147853	AK3	33.36	22.59	-1.48	0.000768891	0.004307797
ENSG00000180182	MED14	28.5	19.28	-1.48	0.004102593	0.01183662
ENSG00000198677	TTC37	38.1	25.79	-1.48	0.003241665	0.010173012
ENSG00000230956	RP3-452M16.1	16.2	10.93	-1.48	0.00637355	0.016193284
ENSG00000237931	CLIC4P3	16.81	11.32	-1.48	0.001441818	0.006145946

ENSG00000108443	RPS6KB1	24.59	16.71	-1.47	0.00031951	0.002719003
ENSG00000117122	MFAP2	24.11	16.41	-1.47	0.004233949	0.012112018
ENSG00000121486	TRMT1L	23.47	15.93	-1.47	0.005272433	0.014021227
ENSG00000123983	ACSL3	94.89	64.65	-1.47	0.000110927	0.00169706
ENSG00000124762	CDKN1A	99.54	67.6	-1.47	0.000114808	0.001718086
ENSG00000139163	ETNK1	27.08	18.36	-1.47	2.48E-05	0.000943991
ENSG00000158258	CLSTN2	25.59	17.42	-1.47	6.58E-05	0.001387738
ENSG00000168621	GDNF	16.2	11.02	-1.47	0.004780298	0.01307316
ENSG00000169750	RAC3	24.43	16.61	-1.47	0.000616861	0.003847131
ENSG00000177707	PVRL3	44.24	30.13	-1.47	0.001123747	0.005327925
ENSG00000184216	IRAK1	145.15	98.78	-1.47	0.001595307	0.006580468
ENSG00000184254	ALDH1A3	57.91	39.5	-1.47	0.000675014	0.004010178
ENSG00000185442	FAM174B	21.71	14.79	-1.47	0.002926187	0.0095709
ENSG00000189060	H1FO	197.34	133.87	-1.47	1.92E-06	0.000556621
ENSG00000213236	YWHAZP2	43.4	29.43	-1.47	0.004570016	0.012674214
ENSG00000221988	PPT2	77.16	52.44	-1.47	0.025482733	0.04234868
ENSG00000227203	SUB1P1	112.41	76.23	-1.47	0.002920132	0.009564345
ENSG00000269028	MTRNR2L12	208.4	141.72	-1.47	0.001466273	0.006216525
ENSG00000071539	TRIP13	32.37	22.14	-1.46	1.37E-05	0.00075304
ENSG00000072062	PRKACA	233.31	160.26	-1.46	8.02E-05	0.00148547
ENSG00000100410	PHF5A	150.1	102.48	-1.46	0.010834758	0.023123617
ENSG00000100554	ATP6V1D	91.5	62.73	-1.46	0.001503056	0.006343997
ENSG00000118495	PLAGL1	126.28	86.46	-1.46	8.98E-05	0.001583918
ENSG00000143641	GALNT2	74.58	51.22	-1.46	6.13E-05	0.001339974
ENSG00000148120	C9orf3	142.18	97.15	-1.46	6.85E-05	0.001406343
ENSG00000167220	HDHD2	38.44	26.34	-1.46	0.000815301	0.004441367
ENSG00000168014	C2CD3	42.91	29.49	-1.46	0.000973861	0.004873096
ENSG00000196465	MYL6B	386.49	265.33	-1.46	6.88E-05	0.001406343



ENSG00000011426	ANLN	165.29	113.83	-1.45	0.002002247	0.007492661
ENSG00000051108	HERPUD1	168.43	116.5	-1.45	0.003183474	0.010052695
ENSG00000052802	MSMO1	27.35	18.87	-1.45	0.007728366	0.018268806
ENSG00000067082	KLF6	24.73	17.07	-1.45	0.000857573	0.004550164
ENSG00000084234	APLP2	78.86	54.26	-1.45	6.60E-05	0.001387738
ENSG00000136193	SCRN1	219.16	151.66	-1.45	1.28E-05	0.00075304
ENSG00000140320	BAHD1	21.79	15	-1.45	0.000233821	0.002296314
ENSG00000144231	POLR2D	95.87	66.26	-1.45	0.000642223	0.003934084
ENSG00000147164	SNX12	94.48	65.31	-1.45	0.000228627	0.002259004
ENSG00000157514	TSC22D3	55.74	38.35	-1.45	0.000127965	0.00177759
ENSG00000157870	FAM213B	29.82	20.59	-1.45	0.000247999	0.002390409
ENSG00000169057	MECP2	54.14	37.39	-1.45	0.0052551	0.013990889
ENSG00000171475	WIPF2	17.81	12.27	-1.45	0.003308561	0.010273723
ENSG00000173065	FAM222B	31.82	21.92	-1.45	0.005291129	0.014047218
ENSG00000182197	EXT1	47.32	32.69	-1.45	0.001083504	0.005215061
ENSG00000185201	IFITM2	112.11	77.08	-1.45	0.00033696	0.002773497
ENSG00000197905	TEAD4	48.89	33.76	-1.45	0.001048621	0.005100552
ENSG00000203867	RBM20	18.01	12.42	-1.45	0.001358159	0.005935149
ENSG00000213683	AC002056.3	43.25	29.74	-1.45	0.001299075	0.005798937
ENSG00000033178	UBA6	80.93	56.26	-1.44	0.00176639	0.006982742
ENSG00000056586	RC3H2	57.7	40.18	-1.44	0.000167821	0.002004805
ENSG00000112419	PHACTR2	16.52	11.44	-1.44	0.011681314	0.024318904
ENSG00000119630	PGF	166.18	115.12	-1.44	0.000298251	0.002618291
ENSG00000131089	ARHGEF9	45.55	31.65	-1.44	0.001956957	0.007394165
ENSG00000152767	FARP1	36.7	25.5	-1.44	0.004911694	0.013347487
ENSG00000179241	LDLRAD3	39.76	27.68	-1.44	7.33E-06	0.000670828
ENSG00000109787	KLF3	18.77	13.16	-1.43	0.000375836	0.002932508
ENSG00000118939	UCHL3	45.21	31.54	-1.43	0.004966794	0.013450784

ENSG00000129493	HEATR5A	23.87	16.65	-1.43	0.004759959	0.013040191
ENSG00000133657	ATP13A3	134.54	94.2	-1.43	4.73E-05	0.001240979
ENSG00000144158	RP11-395L14.17	61.36	42.79	-1.43	0.00201696	0.00751863
ENSG00000144834	TAGLN3	22.39	15.66	-1.43	0.001224265	0.005641172
ENSG00000154978	VOPP1	51.33	35.93	-1.43	7.42E-06	0.000670828
ENSG00000158711	ELK4	22.22	15.56	-1.43	0.00216033	0.007906212
ENSG00000170871	KIAA0232	18.29	12.81	-1.43	5.38E-05	0.001290139
ENSG00000184916	JAG2	28.77	20.14	-1.43	0.000266518	0.002461818
ENSG00000188811	NHLRC3	28.13	19.74	-1.43	0.02514627	0.04198156
ENSG00000232702	RP3-437C15.1	69.82	48.91	-1.43	0.002088282	0.007704106
ENSG00000100564	PIGH	20.76	14.66	-1.42	0.010652712	0.022838292
ENSG00000104728	ARHGEF10	17.48	12.35	-1.42	0.003275304	0.010204038
ENSG00000109083	IFT20	33.79	23.8	-1.42	4.04E-05	0.001162296
ENSG00000139266	9-Mar	246.99	174.41	-1.42	1.55E-05	0.000776766
ENSG00000145632	PLK2	155.56	109.53	-1.42	0.000362328	0.002880156
ENSG00000149428	HYOU1	79.89	56.2	-1.42	0.000313493	0.002682297
ENSG00000152291	TGOLN2	126.34	88.88	-1.42	9.12E-06	0.000670828
ENSG00000152518	ZFP36L2	19.66	13.82	-1.42	9.46E-05	0.001613118
ENSG00000154813	DPH3	43.81	30.96	-1.42	0.001832173	0.007110398
ENSG00000163131	CTSS	21.68	15.24	-1.42	0.00806335	0.018797237
ENSG00000163430	FSTL1	232.79	163.89	-1.42	0.000714315	0.004134448
ENSG00000163939	PBRM1	49.69	34.99	-1.42	3.25E-05	0.00110418
ENSG00000171033	PKIA	29.28	20.6	-1.42	0.008811114	0.020036059
ENSG00000186038	HTR3E	20.53	14.43	-1.42	0.001220071	0.005641172
ENSG00000186480	INSIG1	30.75	21.64	-1.42	0.001281948	0.005744441
ENSG00000225422	RBMS1P1	27.14	19.13	-1.42	0.000888143	0.004648873
ENSG00000258734	RP11-112J1.3	24.19	17.08	-1.42	0.008683589	0.019841601
ENSG00000006468	ETV1	47.64	33.77	-1.41	0.011281437	0.023776093

ENSG00000031003	FAM13B	32.28	22.82	-1.41	0.000444199	0.003183535
ENSG00000076604	TRAF4	192.33	136.17	-1.41	0.00186409	0.007198771
ENSG00000100065	CARD10	66.51	47.08	-1.41	0.000918412	0.004738236
ENSG00000108639	SYNGR2	33.66	23.87	-1.41	0.006734936	0.016741633
ENSG00000120254	MTHFD1L	41.16	29.28	-1.41	0.000100175	0.001671236
ENSG00000124767	GLO1	310.34	220.38	-1.41	0.00031917	0.002719003
ENSG00000130508	PXDN	449.69	319.03	-1.41	0.001900979	0.007240584
ENSG00000135018	UBQLN1	202.71	143.81	-1.41	0.00285207	0.009433003
ENSG00000138835	RGS3	36.64	25.98	-1.41	0.000525051	0.003482887
ENSG00000141026	MED9	71.92	50.99	-1.41	4.48E-05	0.001201671
ENSG00000163605	PPP4R2	48.77	34.65	-1.41	0.016144273	0.030389434
ENSG00000163956	LRPAP1	154.93	110.05	-1.41	0.000510645	0.003430228
ENSG00000168615	ADAM9	27.6	19.57	-1.41	0.001406491	0.006049959
ENSG00000171004	HS6ST2	72.93	51.73	-1.41	0.00011052	0.00169706
ENSG00000181904	C5orf24	48.61	34.57	-1.41	0.003024562	0.009804398
ENSG00000214114	MYCBP	105.61	74.74	-1.41	0.002015103	0.00751764
ENSG00000241547	ACTG1P20	64.28	45.47	-1.41	0.003591162	0.010817001
ENSG00000270230	RP11-475J5.11	24.25	17.16	-1.41	0.03000494	0.047811516
ENSG00000061337	LZTS1	22.83	16.32	-1.4	0.001011137	0.004948811
ENSG00000070778	PTPN21	29.79	21.29	-1.4	0.000980191	0.004873096
ENSG00000088826	SMOX	29.17	20.87	-1.4	0.026831712	0.044094006
ENSG00000100320	RBFOX2	103.88	74.46	-1.4	7.36E-05	0.001420527
ENSG00000101040	ZMYND8	44.56	31.89	-1.4	0.005626355	0.014730196
ENSG00000106392	C1GALT1	33.3	23.71	-1.4	0.003480317	0.01062347
ENSG00000131759	RARA	66.28	47.43	-1.4	0.001679507	0.006820558
ENSG00000135074	ADAM19	48.21	34.4	-1.4	0.000124535	0.00177759
ENSG00000136731	UGGT1	32.7	23.36	-1.4	0.024772822	0.041490084
ENSG00000162614	NEXN	21.87	15.57	-1.4	0.021474164	0.037717544

ENSG00000162775	RBM15	20.27	14.48	-1.4	0.001001422	0.004916546
ENSG00000172965	MIR4435-2HG	70.64	50.46	-1.4	0.006933246	0.017081753
ENSG00000211677	IGLC2	408.37	291.62	-1.4	0.000228214	0.002259004
ENSG00000222041	LINC00152	122.71	87.96	-1.4	9.10E-05	0.001583918
ENSG00000006042	TMEM98	74.8	53.83	-1.39	0.000287596	0.002562162
ENSG00000072274	TFRC	219.63	157.71	-1.39	0.000206598	0.002155667
ENSG00000092820	EZR	33.69	24.22	-1.39	7.94E-05	0.001477313
ENSG00000108256	NUFIP2	104.05	75.05	-1.39	0.001113465	0.005309223
ENSG00000119314	PTBP3	57.77	41.46	-1.39	0.002003648	0.007492661
ENSG00000122545	7-Sep	214.56	154.21	-1.39	0.000325182	0.002740441
ENSG00000134248	LAMTOR5	184.25	132.22	-1.39	0.001696861	0.006842897
ENSG00000136875	PRPF4	63.86	45.87	-1.39	3.39E-05	0.001111113
ENSG00000138035	PNPT1	68.78	49.54	-1.39	0.027847755	0.045275369
ENSG00000142089	IFITM3	279.86	202.02	-1.39	0.001242281	0.005680234
ENSG00000150093	ITGB1	271.21	194.42	-1.39	0.003720867	0.01106998
ENSG00000150867	PIP4K2A	39.03	28.18	-1.39	0.00465522	0.012820126
ENSG00000157654	PALM2-AKAP2	23.06	16.55	-1.39	0.003056623	0.009854722
ENSG00000186871	ERCC6L	31.24	22.49	-1.39	0.001701611	0.006845579
ENSG00000189159	HN1	748.98	538.44	-1.39	0.000396526	0.003030562
ENSG00000198843	SELT	191.37	137.87	-1.39	0.000663971	0.003994823
ENSG00000198901	PRC1	266.57	192.29	-1.39	0.001384367	0.006007875
ENSG00000213478	CFL1P2	31.92	22.99	-1.39	0.006499255	0.016369129
ENSG00000236319	CTD-2033D24.2	20.65	14.84	-1.39	0.000723381	0.004158813
ENSG00000085872	CHERP	104.33	75.87	-1.38	0.003815894	0.011278141
ENSG00000105983	LMBR1	35.35	25.55	-1.38	0.003542121	0.010717248
ENSG00000106003	LFNG	37.47	27.19	-1.38	0.003921935	0.011512306
ENSG00000111145	ELK3	34.2	24.77	-1.38	0.001648981	0.006725508
ENSG00000137656	BUD13	24.97	18.05	-1.38	0.000217533	0.002204735

ENSG00000139793	MBNL2	18.43	13.36	-1.38	0.000844062	0.004519849
ENSG00000145687	SSBP2	28.06	20.36	-1.38	0.006003174	0.015459645
ENSG00000149257	SERPINH1	204.3	148.14	-1.38	0.000126167	0.00177759
ENSG00000153071	DAB2	26.4	19.14	-1.38	0.001358548	0.005935149
ENSG00000164161	HHIP	142.73	103.5	-1.38	9.45E-05	0.001613118
ENSG00000170791	CHCHD7	35.61	25.89	-1.38	0.016282886	0.030566006
ENSG00000186834	HEXIM1	26.13	18.94	-1.38	7.06E-05	0.001407264
ENSG00000196754	S100A2	45.17	32.76	-1.38	0.005880719	0.015235676
ENSG00000213977	TAX1BP3	62.14	44.96	-1.38	0.001326763	0.005867836
ENSG00000223612	RP11-289I10.2	22.79	16.57	-1.38	0.003132795	0.009983934
ENSG00000225369	AC009506.2	34.7	25.1	-1.38	0.001821229	0.007091232
ENSG00000232864	CTD-2090I13.2	31.06	22.49	-1.38	0.009090907	0.020447443
ENSG00000235162	C12orf75	55.02	39.79	-1.38	0.001193531	0.005559217
ENSG00000035862	TIMP2	162.07	118.5	-1.37	7.56E-06	0.000670828
ENSG00000041982	TNC	543.76	397.26	-1.37	8.61E-05	0.001546855
ENSG00000057252	SOAT1	23.65	17.21	-1.37	0.008239442	0.01910581
ENSG00000087008	ACOX3	29.01	21.23	-1.37	0.000930995	0.004760142
ENSG00000100697	DICER1	59.24	43.26	-1.37	0.006822493	0.016888174
ENSG00000100979	PLTP	23.33	17.04	-1.37	0.005530281	0.014518909
ENSG00000110172	CHORDC1	40.39	29.5	-1.37	0.004327147	0.012259818
ENSG00000114956	DGUOK	129.54	94.6	-1.37	0.001766411	0.006982742
ENSG00000116133	DHCR24	36.97	26.96	-1.37	7.48E-06	0.000670828
ENSG00000122884	P4HA1	52.59	38.45	-1.37	5.85E-05	0.001305099
ENSG00000129128	SPCS3	52.11	38.12	-1.37	0.000213209	0.002179626
ENSG00000129353	SLC44A2	92.54	67.42	-1.37	0.006489507	0.01636409
ENSG00000136715	SAP130	35.26	25.75	-1.37	0.000107895	0.00169706
ENSG00000136840	ST6GALNAC4	39.01	28.51	-1.37	0.004294682	0.01221179
ENSG00000139734	DIAPH3	35.47	25.91	-1.37	5.58E-05	0.001303409

ENSG00000143384	MCL1	128.21	93.53	-1.37	2.08E-05	0.000888107
ENSG00000144048	DUSP11	40.38	29.44	-1.37	0.013869545	0.027325454
ENSG00000149294	NCAM1	91.34	66.72	-1.37	0.000766011	0.004301866
ENSG00000162174	ASRGL1	30.01	21.89	-1.37	0.000638442	0.003921146
ENSG00000163485	ADORA1	69.76	50.78	-1.37	0.003926612	0.011518876
ENSG00000169288	MRPL1	97.86	71.33	-1.37	0.002703181	0.009125893
ENSG00000174403	C20orf166-AS1	20.59	15.02	-1.37	0.017807821	0.032691855
ENSG00000047634	SCML1	32.12	23.69	-1.36	0.000672973	0.004010178
ENSG00000075426	FOSL2	33.81	24.81	-1.36	0.006739576	0.016744355
ENSG00000116962	NID1	32.86	24.15	-1.36	0.000155031	0.001941991
ENSG00000119729	RHOQ	55.09	40.47	-1.36	0.003019482	0.009794651
ENSG00000124422	USP22	507.83	374.23	-1.36	0.000155452	0.001941991
ENSG00000125354	6-Sep	79.29	58.26	-1.36	0.000126806	0.00177759
ENSG00000136143	SUCLA2	82.09	60.43	-1.36	0.002895052	0.009515192
ENSG00000153317	ASAP1	69.39	50.92	-1.36	0.000779691	0.004342549
ENSG00000168758	SEMA4C	53.94	39.68	-1.36	0.002832045	0.009399682
ENSG00000173166	RAPH1	21.11	15.47	-1.36	0.000364788	0.002884071
ENSG00000182541	LIMK2	38.19	28	-1.36	0.003471742	0.010620738
ENSG00000187607	ZNF286A	110.27	81.32	-1.36	0.000821191	0.004458028
ENSG00000229097	CALM2P2	195.94	144.52	-1.36	1.54E-05	0.000776766
ENSG00000244405	ETV5	43.05	31.62	-1.36	0.003434139	0.010545799
ENSG00000264168	MTND1P15	85.37	62.77	-1.36	0.010053736	0.021904949
ENSG00000072110	ACTN1	154.63	114.53	-1.35	0.004404012	0.012366319
ENSG00000074181	NOTCH3	69.86	51.8	-1.35	0.014956331	0.028767607
ENSG00000092010	PSME1	74.54	55.2	-1.35	0.001985685	0.00746687
ENSG00000106799	TGFBR1	71.47	53	-1.35	0.001119628	0.00532528
ENSG00000115486	GGCX	52.47	38.87	-1.35	0.007229599	0.017573545
ENSG00000122203	KIAA1191	147.7	109.69	-1.35	7.47E-05	0.001423144

ENSG00000129474	AJUBA	92.58	68.62	-1.35	8.18E-05	0.001497916
ENSG00000130396	MLLT4	38.69	28.75	-1.35	0.001387933	0.006008441
ENSG00000134046	MBD2	126.92	94.33	-1.35	0.007297441	0.017640261
ENSG00000136026	CKAP4	96.91	71.95	-1.35	3.97E-05	0.001159681
ENSG00000136732	GYPC	22.77	16.84	-1.35	0.015245737	0.029175695
ENSG00000143333	RGS16	85.49	63.29	-1.35	3.83E-05	0.001159681
ENSG00000152332	UHMK1	23.82	17.61	-1.35	0.001342699	0.005899134
ENSG00000156531	PHF6	42.41	31.43	-1.35	0.003996581	0.011635286
ENSG00000162368	CMPK1	77.19	57.16	-1.35	0.001246215	0.005680234
ENSG00000167325	RRM1	207.45	153.63	-1.35	0.000349579	0.002822328
ENSG00000167771	RCOR2	19.7	14.63	-1.35	0.000581118	0.003689009
ENSG00000169105	CHST14	65.52	48.64	-1.35	0.000992743	0.004901335
ENSG00000171208	NETO2	38.15	28.28	-1.35	0.014143979	0.027753225
ENSG00000172795	DCP2	29.24	21.58	-1.35	0.003184169	0.010052695
ENSG00000174233	ADCY6	30.41	22.45	-1.35	0.009196835	0.020605623
ENSG00000177469	PTRF	84.98	63.17	-1.35	0.000109929	0.00169706
ENSG00000188375	H3F3C	49.94	36.93	-1.35	0.000576859	0.003666898
ENSG00000198862	LTN1	21.06	15.64	-1.35	0.00066239	0.003994823
ENSG00000215319	EIF5P1	23.02	17.1	-1.35	0.001403818	0.006049959
ENSG00000235651	AC064850.4	37.62	27.86	-1.35	0.00349055	0.010629187
ENSG00000236570	RAD23BP1	28.38	21.05	-1.35	0.002100939	0.007740043
ENSG00000256940	RP11-783K16.5	28.67	21.23	-1.35	0.017578188	0.032354553
ENSG00000001167	NFYA	39.1	29.11	-1.34	0.000142113	0.001869642
ENSG00000018408	WWTR1	70.35	52.38	-1.34	0.001385258	0.006007875
ENSG00000078369	GNB1	487.65	364.53	-1.34	5.64E-05	0.001303409
ENSG00000120656	TAF12	30.81	22.97	-1.34	0.003481989	0.01062347
ENSG00000131374	TBC1D5	29.78	22.26	-1.34	0.000991638	0.004901335
ENSG00000145901	TNIP1	71.4	53.32	-1.34	0.000496596	0.0034041

ENSG00000148516	ZEB1	60.62	45.13	-1.34	0.001565924	0.006498999
ENSG00000161791	FMNL3	27.67	20.58	-1.34	0.000739341	0.004217278
ENSG00000163808	KIF15	22.7	16.92	-1.34	0.007158907	0.017446869
ENSG00000165886	UBTD1	19.94	14.88	-1.34	0.004566427	0.0126717
ENSG00000168505	GBX2	21.22	15.84	-1.34	0.01593445	0.030187888
ENSG00000169379	ARL13B	23.32	17.4	-1.34	0.022155506	0.038499063
ENSG00000170903	MSANTD4	20.09	15.04	-1.34	0.021331376	0.037480688
ENSG00000189362	NEMP2	22.07	16.44	-1.34	0.002307105	0.008186668
ENSG00000203914	HSP90B3P	37.97	28.38	-1.34	0.000440837	0.003169064
ENSG00000204209	DAXX	110.95	82.91	-1.34	0.000267396	0.002461818
ENSG00000228305	AC016734.2	77.93	58.33	-1.34	0.001227025	0.005645875
ENSG00000229932	YWHAZP3	68.28	50.92	-1.34	0.000979113	0.004873096
ENSG00000250317	SMIM20	35.15	26.18	-1.34	0.000771541	0.004317524
ENSG00000253954	HMG1N1P38	263.07	196.91	-1.34	0.005977539	0.015410434
ENSG00000056998	GYG2	29.93	22.44	-1.33	0.001246897	0.005680234
ENSG00000068366	ACSL4	25.28	18.94	-1.33	0.008572784	0.019654981
ENSG00000109062	SLC9A3R1	65.99	49.53	-1.33	0.003036311	0.009822257
ENSG00000110321	EIF4G2	2559.84	1921.87	-1.33	0.001545822	0.006450673
ENSG00000114030	KPNA1	97.56	73.57	-1.33	0.000127962	0.00177759
ENSG00000115825	PRKD3	65.42	49.29	-1.33	0.008758122	0.019982902
ENSG00000116489	CAPZA1	87.9	66.23	-1.33	0.00075507	0.004260687
ENSG00000124126	PREX1	64.33	48.31	-1.33	0.001640227	0.006695586
ENSG00000128596	CCDC136	20.25	15.24	-1.33	0.019987846	0.035650527
ENSG00000132906	CASP9	45.73	34.45	-1.33	4.93E-05	0.001257003
ENSG00000138795	LEF1	71.6	53.75	-1.33	0.003589909	0.010817001
ENSG00000145907	G3BP1	169.68	127.54	-1.33	0.00112191	0.005327925
ENSG00000147526	TACC1	44.83	33.65	-1.33	0.003099234	0.009923852
ENSG00000148229	POLE3	142.04	107.13	-1.33	1.40E-06	0.00054952



ENSG00000153250	RBMS1	53.33	40.22	-1.33	0.000227294	0.002259004
ENSG00000160199	PKNOX1	40.98	30.71	-1.33	0.002391753	0.008397909
ENSG00000161813	LARP4	45.51	34.29	-1.33	0.00074207	0.004222645
ENSG00000165801	ARHGEF40	38.74	29.03	-1.33	0.000812116	0.004438553
ENSG00000177614	PGBD5	51.93	39.04	-1.33	0.001731024	0.006901975
ENSG00000180398	MCFD2	102.07	76.92	-1.33	0.000549857	0.003577099
ENSG00000185070	FLRT2	38.52	28.92	-1.33	0.01203805	0.024709131
ENSG00000188549	C15orf52	22.04	16.51	-1.33	0.022044731	0.038391321
ENSG00000213763	ACTBP2	49.47	37.21	-1.33	0.007396815	0.017796819
ENSG00000213846	AC098614.2	140.68	106.11	-1.33	0.00034704	0.002821118
ENSG00000217325	PRELID1P1	37.17	27.86	-1.33	0.00337505	0.010411732
ENSG00000238116	RP3-347M6.2	20.54	15.46	-1.33	0.000693622	0.004059452
ENSG00000254332	GS1-44D20.1	58.56	44.08	-1.33	0.000131907	0.001793011
ENSG0000035499	DEPDC1B	28.06	21.19	-1.32	0.004466137	0.012466645
ENSG0000078237	TIGAR	31.32	23.68	-1.32	0.000122385	0.001767664
ENSG00000100625	SIX4	39.02	29.48	-1.32	0.003055679	0.009854722
ENSG00000104765	BNIP3L	62.29	47.05	-1.32	4.46E-05	0.001201671
ENSG00000108599	AKAP10	76.42	57.7	-1.32	0.013918481	0.027369122
ENSG00000111684	LPCAT3	24.92	18.86	-1.32	0.003842806	0.011336399
ENSG00000114554	PLXNA1	66.95	50.61	-1.32	0.000332848	0.00277107
ENSG00000116871	MAP7D1	217.09	163.97	-1.32	0.000511448	0.003430228
ENSG00000128573	FOXP2	38.01	28.86	-1.32	0.028100285	0.045544834
ENSG00000130741	EIF2S3	148.21	112.14	-1.32	0.000428956	0.00312648
ENSG00000134369	NAV1	52.55	39.8	-1.32	0.01439157	0.027983279
ENSG00000136205	TNS3	55.19	41.77	-1.32	0.000519229	0.003453973
ENSG00000138767	CNOT6L	29.97	22.76	-1.32	0.002168649	0.007921183
ENSG00000139269	INHBE	56.54	42.83	-1.32	0.006622769	0.016558675
ENSG00000154277	UCHL1	357.85	271.02	-1.32	0.000196373	0.002132118

ENSG00000163513	TGFBR2	21.43	16.2	-1.32	4.90E-05	0.001257003
ENSG00000170759	KIF5B	193.52	146.68	-1.32	0.000728615	0.004181348
ENSG00000197724	PHF2	30.28	22.97	-1.32	0.001527514	0.006407148
ENSG00000198554	WDHD1	35.68	26.93	-1.32	0.002262549	0.008094416
ENSG00000224837	GCSHP5	58.31	44.27	-1.32	0.002499998	0.008688365
ENSG00000018625	ATP1A2	74.67	57.12	-1.31	0.002022402	0.007532871
ENSG00000100030	MAPK1	171.17	130.38	-1.31	3.14E-05	0.001103688
ENSG00000101608	MYL12A	360.23	274.86	-1.31	0.011311992	0.02380074
ENSG00000101670	LIPG	21.78	16.57	-1.31	0.005732875	0.014959025
ENSG00000103769	RAB11A	219.7	168.31	-1.31	0.003508947	0.01066458
ENSG00000111231	GPN3	72.49	55.14	-1.31	0.002766367	0.009240134
ENSG00000116285	ERRFI1	200.06	152.53	-1.31	0.000149599	0.001911037
ENSG00000119812	FAM98A	121.15	92.21	-1.31	0.002552735	0.008775465
ENSG00000141279	NPEPPS	99.14	75.95	-1.31	0.002000494	0.007492661
ENSG00000164924	YWHAZ	399.76	305.07	-1.31	0.002955416	0.009636418
ENSG00000165914	TTC7B	56.99	43.38	-1.31	0.012719859	0.025684435
ENSG00000184584	TMEM173	22.74	17.33	-1.31	0.001083373	0.005215061
ENSG00000198380	GFPT1	61.12	46.62	-1.31	0.00675587	0.01675839
ENSG00000231300	EZH2P1	52.01	39.8	-1.31	0.007811902	0.018410985
ENSG00000251400	ALDH7A1P1	35.98	27.39	-1.31	0.000460822	0.003278668
ENSG00000010810	FYN	105.47	81.31	-1.3	0.006891878	0.016997566
ENSG00000036549	ZZZ3	28.12	21.58	-1.3	0.012152958	0.02485081
ENSG00000069275	NUCKS1	776.46	596.47	-1.3	0.013373247	0.026583269
ENSG00000075568	TMEM131	30.1	23.19	-1.3	0.021098518	0.037154474
ENSG00000082153	BZW1	237.27	182.17	-1.3	0.000627077	0.003891835
ENSG00000111186	WNT5B	30.7	23.55	-1.3	0.006493025	0.016364225
ENSG00000116918	TSNAX	35.13	26.99	-1.3	0.000523158	0.003475213
ENSG00000125633	CCDC93	24.99	19.23	-1.3	0.01021047	0.022090724

ENSG00000130598	TNNI2	33.09	25.47	-1.3	0.004920812	0.013356893
ENSG00000134318	ROCK2	41.66	31.96	-1.3	0.000985362	0.004891747
ENSG00000138606	SHF	42.98	33.08	-1.3	0.011819076	0.024493855
ENSG00000139624	CERS5	122.56	94.46	-1.3	0.009053312	0.020390459
ENSG00000139687	RB1	47.75	36.6	-1.3	0.02886486	0.046512703
ENSG00000151388	ADAMTS12	27.09	20.81	-1.3	3.63E-05	0.001143035
ENSG00000160752	FDPS	194.87	149.35	-1.3	0.000604501	0.003791579
ENSG00000163527	STT3B	53.77	41.49	-1.3	0.016426213	0.030786113
ENSG00000167552	TUBA1A	677.17	522.48	-1.3	0.000157892	0.001941991
ENSG00000169299	PGM2	37.21	28.69	-1.3	0.0023772	0.008353806
ENSG00000169641	LUZP1	34.22	26.26	-1.3	0.000915002	0.004733355
ENSG00000169914	OTUD3	52.42	40.21	-1.3	0.003722026	0.01106998
ENSG00000170175	CHRN1	78.02	60.13	-1.3	0.000284779	0.002547373
ENSG00000184009	ACTG1	4090.25	3136.56	-1.3	0.007800755	0.01839448
ENSG00000185164	NOMO2	24.6	18.93	-1.3	0.001395742	0.00603671
ENSG00000188229	TUBB4B	940.34	725.73	-1.3	0.000476712	0.003315924
ENSG00000188643	S100A16	107.99	82.9	-1.3	0.000610853	0.00382634
ENSG00000189079	ARID2	26.35	20.21	-1.3	0.000893927	0.004654966
ENSG00000196428	TSC22D2	71.17	54.92	-1.3	0.001016932	0.004972021
ENSG00000214222	TUBBP2	32.05	24.56	-1.3	0.011995528	0.024643271
ENSG00000214820	MPRIPP1	54.78	42.24	-1.3	0.020335657	0.036120838
ENSG00000226986	RP11-543B16.2	24.24	18.61	-1.3	0.019486413	0.034940899
ENSG00000228818	RP11-567G24.1	44.1	33.97	-1.3	0.000300858	0.002631391
ENSG00000232387	SKA2P1	29.56	22.69	-1.3	0.030790031	0.04871736
ENSG00000071282	LMCD1	100.81	78.42	-1.29	0.002679438	0.009078183
ENSG00000100664	EIF5	481.52	374.33	-1.29	3.92E-05	0.001159681
ENSG00000103005	USB1	81.62	63.18	-1.29	0.000974391	0.004873096
ENSG00000106665	CLIP2	26.72	20.7	-1.29	0.001990528	0.007471541

ENSG00000109180	OCIAD1	118.88	92.43	-1.29	0.002656849	0.009034053
ENSG00000111450	STX2	26.86	20.9	-1.29	0.027707475	0.045124967
ENSG00000112110	MRPL18	102.68	79.81	-1.29	0.002266163	0.008094416
ENSG00000117143	UAP1	52.32	40.57	-1.29	0.004024903	0.011674201
ENSG00000119801	YPEL5	55.21	42.76	-1.29	0.01040463	0.022428601
ENSG00000127947	PTPN12	114.77	88.8	-1.29	7.39E-05	0.001420527
ENSG00000128245	YWHAH	149.16	115.55	-1.29	0.000961753	0.004837441
ENSG00000131470	PSMC3IP	40.3	31.15	-1.29	0.000492719	0.003387354
ENSG00000131876	SNRPA1	226.36	175.47	-1.29	0.001583659	0.006552714
ENSG00000134287	ARF3	192.91	149.31	-1.29	0.001254774	0.005680234
ENSG00000139645	ANKRD52	24.21	18.8	-1.29	0.000288399	0.002562162
ENSG00000151718	WWC2	25.35	19.6	-1.29	0.029904585	0.047732123
ENSG00000163349	HIPK1	34.74	26.88	-1.29	0.00088053	0.004625966
ENSG00000165669	FAM204A	53.46	41.34	-1.29	0.001748784	0.006934936
ENSG00000167306	MYO5B	68.56	53.1	-1.29	3.05E-05	0.001103688
ENSG00000167470	MIDN	23.3	18.04	-1.29	0.002897537	0.009516736
ENSG00000168795	ZBTB5	23.78	18.46	-1.29	1.31E-06	0.00054952
ENSG00000177425	PAWR	26.72	20.78	-1.29	0.012097723	0.024799283
ENSG00000187231	SESTD1	81.5	62.95	-1.29	4.29E-06	0.000634025
ENSG00000196968	FUT11	24	18.63	-1.29	0.004459308	0.012464219
ENSG00000197081	IGF2R	167.94	130.37	-1.29	0.002008695	0.007505589
ENSG00000259706	HSP90B2P	40.11	31.01	-1.29	0.011654944	0.024281561
ENSG00000054118	THRAP3	97.36	76.14	-1.28	4.58E-05	0.001215094
ENSG00000072501	SMC1A	117.15	91.57	-1.28	0.000177282	0.002031195
ENSG00000077782	FGFR1	57.79	45.1	-1.28	0.007063674	0.017294833
ENSG00000083312	TNPO1	101.26	78.95	-1.28	0.002580863	0.008832911
ENSG00000095002	MSH2	100.62	78.65	-1.28	0.000647228	0.003949426
ENSG00000100614	PPM1A	37.96	29.74	-1.28	0.025572561	0.042468075

ENSG00000120889	TNFRSF10B	63.12	49.25	-1.28	0.004366477	0.012290426
ENSG00000120896	SORBS3	27.1	21.19	-1.28	0.021193194	0.0372795
ENSG00000123146	ADGRE5	38.22	29.93	-1.28	0.013329273	0.026551733
ENSG00000137845	ADAM10	300.35	234.09	-1.28	0.000787224	0.004365428
ENSG00000138686	BBS7	23.24	18.11	-1.28	0.003267486	0.010193525
ENSG00000149532	CPSF7	122.67	95.93	-1.28	0.028054598	0.045502014
ENSG00000149782	PLCB3	26.12	20.42	-1.28	0.022884302	0.039259919
ENSG00000151348	EXT2	84.69	66.23	-1.28	0.000290239	0.002571857
ENSG00000152952	PLOD2	37.42	29.17	-1.28	0.020106967	0.035795403
ENSG00000153310	FAM49B	80.32	62.69	-1.28	0.000460943	0.003278668
ENSG00000155368	DBI	469.33	365.86	-1.28	0.002221979	0.008014497
ENSG00000158321	AUTS2	70.73	55.43	-1.28	0.005236891	0.013950274
ENSG00000175274	TP53I11	29.77	23.3	-1.28	0.004154117	0.01194878
ENSG00000187498	COL4A1	186	144.87	-1.28	9.04E-05	0.001583918
ENSG00000196656	AC004057.1	69.48	54.33	-1.28	0.014658381	0.028361955
ENSG00000198406	BZW1P2	118.22	92.37	-1.28	0.000180197	0.002031195
ENSG00000205581	HMG1	492.39	385.45	-1.28	0.000233363	0.002296314
ENSG00000226421	SLC25A5P5	30.21	23.51	-1.28	0.014924116	0.028723145
ENSG00000235282	DYNLL1P3	41.87	32.77	-1.28	0.009717987	0.021427661
ENSG00000000971	CFH	63.69	50.19	-1.27	0.00196507	0.00741607
ENSG00000034510	TMSB10	2837.36	2240.45	-1.27	0.001326879	0.005867836
ENSG00000086712	TXLNG	27.77	21.85	-1.27	0.000828188	0.004475438
ENSG00000101474	APMAP	135.19	106.05	-1.27	0.000661452	0.003994823
ENSG00000101782	RIOK3	23.67	18.66	-1.27	0.009658658	0.021326715
ENSG00000104660	LEPROTL1	27.09	21.37	-1.27	0.013093915	0.026271266
ENSG00000110675	ELMOD1	44.06	34.78	-1.27	0.00520274	0.01389064
ENSG00000111087	GLI1	162.93	128.75	-1.27	0.020579076	0.03645723
ENSG00000113161	HMGCR	99.72	78.55	-1.27	0.00153643	0.006433119

ENSG00000115525	ST3GAL5	73.69	57.99	-1.27	0.000178833	0.002031195
ENSG00000122068	FYTTD1	53.99	42.51	-1.27	0.007511571	0.017963114
ENSG00000128585	MKLN1	40.23	31.77	-1.27	0.029505898	0.047271491
ENSG00000132475	H3F3B	1131.79	887.98	-1.27	0.000199362	0.00214271
ENSG00000134294	SLC38A2	236.98	186.1	-1.27	9.12E-05	0.001583918
ENSG00000136717	BIN1	113.09	89.31	-1.27	0.002354029	0.008300411
ENSG00000146457	WTAP	130.66	103.06	-1.27	0.008197929	0.019035801
ENSG00000148688	RPP30	30.56	23.99	-1.27	0.002411649	0.008442441
ENSG00000159217	IGF2BP1	94.49	74.19	-1.27	7.62E-05	0.001423144
ENSG00000160691	SHC1	150.65	118.54	-1.27	0.000600286	0.003771663
ENSG00000166265	CYR1	45.08	35.48	-1.27	0.000571255	0.003660836
ENSG00000166780	C16orf45	85.6	67.29	-1.27	0.000792068	0.004367439
ENSG00000169230	PRELID1	287.33	226.15	-1.27	0.000569681	0.00365882
ENSG00000172893	DHCR7	72.71	57.35	-1.27	0.002071429	0.007661206
ENSG00000179456	ZBTB18	39.97	31.45	-1.27	6.27E-05	0.00134622
ENSG00000186063	AIDA	47.74	37.73	-1.27	0.001432533	0.006122458
ENSG00000198826	ARHGAP11A	97.71	76.65	-1.27	5.47E-06	0.000670828
ENSG00000211450	C11orf31	712.38	559.43	-1.27	0.019655173	0.035176727
ENSG00000213160	KLHL23	40.9	32.17	-1.27	0.005491509	0.0144412
ENSG00000219201	RP11-181C21.4	54.18	42.57	-1.27	0.001510024	0.006362036
ENSG00000224126	UBE2SP2	186.66	147	-1.27	0.015347026	0.029333875
ENSG00000262246	CORO7	39.88	31.44	-1.27	0.019712042	0.035239745
ENSG00000269378	ITGB1P1	215.45	169.75	-1.27	0.001661328	0.006758356
ENSG00000273749	CYFIP1	75.55	59.32	-1.27	0.001084309	0.005215061
ENSG00000003436	TFPI	104.78	82.88	-1.26	0.009503855	0.021073571
ENSG00000005332	EIF2AK2	26.28	20.93	-1.26	0.026987059	0.044287658
ENSG000000063660	GPC1	151.69	120.81	-1.26	0.015941175	0.030188519
ENSG000000075151	EIF4G3	76.99	61.28	-1.26	0.014350253	0.027960497

ENSG00000077348	EXOSC5	86.03	68.02	-1.26	0.002215617	0.008000275
ENSG00000085491	SLC25A24	66.68	53.07	-1.26	0.004302875	0.012227725
ENSG000000102753	KPNA3	59.71	47.46	-1.26	0.000952442	0.004822312
ENSG000000105737	GRIK5	33.46	26.56	-1.26	0.004101989	0.01183662
ENSG000000120802	TMPO	184.35	145.75	-1.26	0.000955326	0.004830839
ENSG000000121064	SCPEP1	36.54	29.03	-1.26	0.000673956	0.004010178
ENSG000000124207	CSE1L	239.51	189.92	-1.26	0.0050489	0.013626259
ENSG000000130312	MRPL34	97.68	77.3	-1.26	0.019204686	0.034540645
ENSG000000135916	ITM2C	29.72	23.51	-1.26	0.004287893	0.01221179
ENSG000000138448	ITGAV	164.95	130.9	-1.26	0.010194546	0.022082666
ENSG000000156273	BACH1	24.96	19.75	-1.26	0.027479437	0.044815394
ENSG000000156515	HK1	33.5	26.65	-1.26	0.000702984	0.004093948
ENSG000000162512	SDC3	165.55	130.95	-1.26	0.002504102	0.008693519
ENSG000000163558	PRKCI	33.31	26.54	-1.26	0.030209412	0.048104873
ENSG000000164506	STXBP5	24.08	19.07	-1.26	0.004891712	0.013300837
ENSG000000166165	CKB	311.93	248.33	-1.26	0.000673633	0.004010178
ENSG000000166170	BAG5	35.56	28.3	-1.26	0.000549583	0.003577099
ENSG000000169504	CLIC4	138.64	110.45	-1.26	0.00274747	0.009208022
ENSG000000173457	PPP1R14B	977.32	774.16	-1.26	0.000209164	0.002156943
ENSG000000174891	RSRC1	29.63	23.54	-1.26	0.011923469	0.024593288
ENSG000000177426	TGIF1	111.71	88.76	-1.26	0.001988968	0.007471541
ENSG000000177485	ZBTB33	33.83	26.82	-1.26	0.002027203	0.007533031
ENSG000000179314	WSCD1	87.46	69.59	-1.26	0.001776775	0.006998924
ENSG000000179967	PPP1R14BP3	713.39	566.37	-1.26	0.000618245	0.003847131
ENSG000000182580	EPHB3	26.4	21.02	-1.26	0.020941428	0.036963917
ENSG000000184047	DIABLO	125.3	99.35	-1.26	0.000277491	0.002507953
ENSG000000185347	C14orf80	34.41	27.4	-1.26	0.027033516	0.044348488
ENSG000000186416	NKRF	38.36	30.52	-1.26	0.000205444	0.002155667

ENSG00000197694	SPTAN1	192.97	153.21	-1.26	0.00010139	0.001674359
ENSG00000198586	TLK1	24.07	19.07	-1.26	0.000157797	0.001941991
ENSG00000198888	MT-ND1	6021.22	4780.04	-1.26	0.000706503	0.00410417
ENSG00000204542	C6orf15	28.21	22.45	-1.26	0.004708991	0.012915542
ENSG00000204590	GNL1	133.91	106.36	-1.26	0.005735929	0.014959025
ENSG00000221823	PPP3R1	112.24	89.29	-1.26	0.000764524	0.004298626
ENSG00000232794	HNRNPDP1	72.56	57.46	-1.26	0.004360668	0.012290426
ENSG00000234645	YWHAEP5	42.7	34	-1.26	0.000806415	0.004423576
ENSG00000257043	RP11-137N23.1	67.91	54.04	-1.26	0.017576821	0.032354553
ENSG00000073584	SMARCE1	156.74	125.28	-1.25	0.000689779	0.004052022
ENSG00000082641	NFE2L1	207.17	165.08	-1.25	0.002748165	0.009208022
ENSG00000091136	LAMB1	165.4	132.7	-1.25	0.005231199	0.013950274
ENSG00000094804	CDC6	122.83	98.32	-1.25	0.000510687	0.003430228
ENSG00000101868	POLA1	34.25	27.31	-1.25	0.007877841	0.018494573
ENSG00000105953	OGDH	39.14	31.37	-1.25	0.001269698	0.005727587
ENSG00000110880	CORO1C	187.23	150.19	-1.25	0.016837531	0.031357176
ENSG00000120437	ACAT2	137.93	110.23	-1.25	0.00054271	0.003555091
ENSG00000120705	ETF1	138.53	111.11	-1.25	0.00250907	0.008693519
ENSG00000137942	FNBP1L	25.79	20.57	-1.25	0.01727589	0.031969864
ENSG00000138757	G3BP2	336.02	268.3	-1.25	0.006600764	0.01652991
ENSG00000143401	ANP32E	153.65	122.55	-1.25	0.001243136	0.005680234
ENSG00000147862	NFIB	26.01	20.73	-1.25	0.012130675	0.024845265
ENSG00000155090	KLF10	39.69	31.85	-1.25	0.000244674	0.002372882
ENSG00000165244	ZNF367	26.65	21.33	-1.25	0.000750979	0.004247753
ENSG00000165501	LRR1	49.25	39.46	-1.25	0.011843484	0.024522917
ENSG00000166313	APBB1	32	25.55	-1.25	0.011859354	0.024534267
ENSG00000166444	ST5	111.02	88.81	-1.25	0.022407487	0.038773875
ENSG00000167721	TSR1	44.17	35.29	-1.25	0.005153078	0.013811354



ENSG00000170364	SETMAR	25.82	20.72	-1.25	0.006072683	0.015579187
ENSG00000172057	ORMDL3	64.3	51.62	-1.25	0.028297533	0.045826416
ENSG00000182963	GJC1	56.7	45.33	-1.25	0.002968364	0.009668678
ENSG00000185090	MANEAL	36.33	29.1	-1.25	8.80E-05	0.001568305
ENSG00000196549	MME	78.82	63.26	-1.25	0.015677119	0.029832005
ENSG00000214192	UBE2V1P2	109.42	87.39	-1.25	0.001978583	0.007451643
ENSG00000216285	RP11-490H24.5	77.58	62.09	-1.25	0.000132492	0.001793011
ENSG00000232177	MTND4P24	75.91	60.49	-1.25	0.021554661	0.037816739
ENSG00000233328	PFN1P1	314.66	252.63	-1.25	0.020327348	0.036120838
ENSG00000253676	TAGLN2P1	90.05	71.81	-1.25	0.003520419	0.010687446
ENSG00000258741	RP11-386M24.4	179.5	143.17	-1.25	0.018297589	0.033379495
ENSG00000009844	VTA1	64.84	52.25	-1.24	0.001691475	0.006839757
ENSG00000029534	ANK1	99.69	80.64	-1.24	0.021576344	0.037827737
ENSG00000057935	MTA3	67.09	54.12	-1.24	0.030384531	0.048299148
ENSG00000061938	TNK2	52.99	42.86	-1.24	0.030080118	0.047915142
ENSG00000062650	WAPAL	36.93	29.82	-1.24	0.020998671	0.037033877
ENSG00000090060	PAPOLA	124.38	99.97	-1.24	0.001546247	0.006450673
ENSG00000100234	TIMP3	33.51	27	-1.24	0.000575595	0.003663793
ENSG00000105341	ATP5SL	145.5	117.79	-1.24	0.011168845	0.023644311
ENSG00000119402	FBXW2	65.06	52.42	-1.24	0.000288603	0.002562162
ENSG00000119408	NEK6	47.33	38.27	-1.24	0.000168517	0.002004805
ENSG00000120253	NUP43	42.69	34.3	-1.24	0.006016221	0.015471569
ENSG00000125148	MT2A	249.49	201.69	-1.24	0.003975799	0.011601349
ENSG00000125445	MRPS7	189.34	153.26	-1.24	0.0005373	0.003529439
ENSG00000129925	TMEM8A	54.12	43.67	-1.24	0.001000693	0.004916546
ENSG00000132003	ZSWIM4	28.77	23.28	-1.24	0.00877294	0.01999183
ENSG00000134871	COL4A2	299.94	241.27	-1.24	0.009699564	0.02139703
ENSG00000136758	YME1L1	223.22	179.33	-1.24	9.24E-05	0.001598631

ENSG00000138604	GLCE	30.58	24.6	-1.24	0.001774612	0.006996237
ENSG00000139842	CUL4A	46.58	37.52	-1.24	0.0163377	0.030644542
ENSG00000143933	CALM2	1007.79	809.8	-1.24	0.012829949	0.025840448
ENSG00000151327	FAM177A1	36.37	29.33	-1.24	0.022022425	0.038391321
ENSG00000157570	TSPAN18	59.27	47.76	-1.24	0.000714164	0.004134448
ENSG00000160285	LSS	54.66	44.07	-1.24	0.022621581	0.03896489
ENSG00000167394	ZNF668	40.83	32.89	-1.24	0.010393413	0.022418857
ENSG00000167693	NXN	35.89	29.05	-1.24	0.030604098	0.04854558
ENSG00000171302	CANT1	116.18	93.78	-1.24	0.023767283	0.0401622
ENSG00000176014	TUBB6	123.03	99.29	-1.24	0.000561992	0.003636011
ENSG00000189057	FAM111B	37.54	30.33	-1.24	0.006685312	0.016653338
ENSG00000213190	MLLT11	33.41	26.98	-1.24	0.005810981	0.015104712
ENSG00000215007	DNAJA1P3	64.11	51.7	-1.24	0.00659016	0.016520874
ENSG00000231579	RPL7P21	34.7	28.08	-1.24	0.013243511	0.026503857
ENSG00000257199	RP11-669B18.1	34.05	27.42	-1.24	0.018838586	0.034111276
ENSG00000006327	TNFRSF12A	134.17	108.74	-1.23	0.000138443	0.001831563
ENSG00000011295	TTC19	47.97	39.14	-1.23	0.002851503	0.009433003
ENSG00000015171	ZMYND11	27.82	22.69	-1.23	6.73E-06	0.000670828
ENSG00000065308	TRAM2	31.06	25.26	-1.23	0.00046761	0.003288698
ENSG00000089022	MAPKAPK5	33.16	27.04	-1.23	0.003594996	0.010821647
ENSG00000090621	PABPC4	492.46	400.93	-1.23	0.010194049	0.022082666
ENSG00000090924	PLEKHG2	61.18	49.55	-1.23	0.017719832	0.032564501
ENSG00000109685	WHSC1	123.49	100.28	-1.23	0.004365348	0.012290426
ENSG00000110047	EHD1	98.56	80.09	-1.23	0.019395789	0.034857805
ENSG00000114019	AMOTL2	52.06	42.26	-1.23	0.001699386	0.006842897
ENSG00000115540	MOB4	46.3	37.75	-1.23	0.00354216	0.010717248
ENSG00000117298	ECE1	99.76	81.03	-1.23	0.002300008	0.008172053
ENSG00000118971	CCND2	220.13	178.68	-1.23	0.000238719	0.002334302

ENSG00000122786	CALD1	182.53	148.06	-1.23	0.000880419	0.004625966
ENSG00000130402	ACTN4	275.65	223.36	-1.23	0.019799729	0.035381809
ENSG00000130511	SSBP4	38.47	31.33	-1.23	0.012407604	0.02522648
ENSG00000130635	COL5A1	37.52	30.47	-1.23	0.012083835	0.024792335
ENSG00000133026	MYH10	59.64	48.42	-1.23	0.001253308	0.005680234
ENSG00000143228	NUF2	48.64	39.61	-1.23	0.017837584	0.032691855
ENSG00000145781	COMMD10	33.44	27.27	-1.23	0.008633165	0.019745491
ENSG00000164056	SPRY1	36.29	29.51	-1.23	0.000826972	0.004473983
ENSG00000185115	NDNL2	35.76	29.09	-1.23	0.009782521	0.021489696
ENSG00000198910	L1CAM	75.6	61.5	-1.23	0.00297924	0.009684068
ENSG00000214941	ZSWIM7	99.04	80.35	-1.23	0.004512456	0.012566231
ENSG00000215057	PKMP5	40.7	32.97	-1.23	0.006683287	0.016653338
ENSG00000225972	MTND1P23	529.15	428.87	-1.23	0.024422195	0.041082678
ENSG00000235554	AC005822.1	32.74	26.6	-1.23	0.001129994	0.005347657
ENSG00000236480	PKMP1	145	118	-1.23	0.000553817	0.00359487
ENSG00000248854	HNRNPH1P3	37.74	30.63	-1.23	0.002528309	0.008722573
ENSG00000050820	BCAR1	36.02	29.49	-1.22	0.010846443	0.023138098
ENSG00000100422	CERK	69.53	57.02	-1.22	0.006645476	0.016595784
ENSG00000103994	ZNF106	77.69	63.82	-1.22	0.002301256	0.008172053
ENSG00000106723	SPIN1	61.87	50.68	-1.22	0.002057237	0.007620653
ENSG00000110925	CSRNP2	92.63	76.21	-1.22	6.00E-05	0.001325058
ENSG00000112339	HBS1L	113.12	93.03	-1.22	0.000512	0.003430228
ENSG00000113368	LMNB1	301.31	247.77	-1.22	0.001621876	0.006655188
ENSG00000115419	GLS	351.8	288.96	-1.22	0.008614923	0.019722869
ENSG00000119414	PPP6C	68.43	56.21	-1.22	0.018808956	0.034101612
ENSG00000119523	ALG2	38.24	31.37	-1.22	0.007597487	0.018095275
ENSG00000119616	FCF1	37	30.28	-1.22	0.023984229	0.040456255
ENSG00000120526	NUDCD1	35.22	28.84	-1.22	0.007936859	0.01859414

ENSG00000125398	SOX9	60.81	49.68	-1.22	0.000298249	0.002618291
ENSG00000128641	MYO1B	190.41	156.69	-1.22	0.002603448	0.008884455
ENSG00000129187	DCTD	84.05	68.8	-1.22	0.000380282	0.002949211
ENSG00000137055	PLAA	43.44	35.52	-1.22	0.009319787	0.020772702
ENSG00000137814	HAUS2	38.88	31.97	-1.22	0.001004047	0.004924315
ENSG00000138398	PPIG	52.29	42.73	-1.22	0.000539821	0.003541075
ENSG00000139641	ESYT1	80.14	65.93	-1.22	0.027534725	0.044874572
ENSG00000140307	GTF2A2	341.06	279.37	-1.22	0.027995392	0.045452814
ENSG00000141127	PRPSAP2	143.87	118.13	-1.22	0.014253475	0.027884112
ENSG00000145050	MANF	220.88	181.4	-1.22	0.01481192	0.028565415
ENSG00000147224	PRPS1	67.84	55.5	-1.22	0.001331752	0.00588103
ENSG00000150593	PDCD4	80.1	65.9	-1.22	0.003387343	0.010436023
ENSG00000158710	TAGLN2	323.85	265.5	-1.22	0.00421143	0.012069529
ENSG00000164134	NAA15	43.8	36.04	-1.22	0.00683263	0.016895556
ENSG00000167460	TPM4	456.8	372.97	-1.22	0.004448719	0.012447452
ENSG00000168522	FNTA	62.32	50.93	-1.22	0.012636361	0.025559543
ENSG00000169604	ANTXR1	91.17	74.52	-1.22	0.000119222	0.001756358
ENSG00000169679	BUB1	85.84	70.45	-1.22	8.67E-05	0.001551115
ENSG00000175166	PSMD2	396.29	324.88	-1.22	0.000502407	0.003421387
ENSG00000175416	CLTB	46.85	38.39	-1.22	0.004974648	0.013464333
ENSG00000187522	HSPA14	57.96	47.51	-1.22	0.00251275	0.008694299
ENSG00000214530	STARD10	28.74	23.57	-1.22	0.013605997	0.026948793
ENSG00000229835	KHSRPP1	30.76	25.15	-1.22	0.013928807	0.027376511
ENSG00000233966	UBE2SP1	85.54	69.99	-1.22	0.004164309	0.011970803
ENSG00000259397	RP11-323I15.2	86.48	70.72	-1.22	0.003807092	0.01125917
ENSG00000004478	FKBP4	97.95	80.89	-1.21	0.000979147	0.004873096
ENSG00000004487	KDM1A	182.66	150.8	-1.21	0.003077396	0.009894174
ENSG00000007384	RHBDF1	32.61	26.9	-1.21	0.023849377	0.040257544

ENSG00000023902	PLEKHO1	92.66	76.33	-1.21	0.003641695	0.010934346
ENSG00000077147	TM9SF3	85.6	70.97	-1.21	0.004473712	0.012480415
ENSG00000106144	CASP2	34.47	28.51	-1.21	0.000472479	0.003301062
ENSG00000107566	ERLIN1	52.75	43.53	-1.21	0.000729584	0.004181829
ENSG00000108468	CBX1	254.95	210.21	-1.21	0.002559028	0.00879003
ENSG00000111530	CAND1	151.97	125.81	-1.21	0.007459133	0.01785086
ENSG00000113456	RAD1	55.96	46.2	-1.21	0.002697571	0.009125648
ENSG00000115761	NOL10	44.23	36.69	-1.21	0.003870014	0.011402418
ENSG00000119318	RAD23B	122.33	101.1	-1.21	0.003063012	0.009861352
ENSG00000129473	BCL2L2	35.59	29.46	-1.21	0.003541466	0.010717248
ENSG00000133789	SWAP70	33.21	27.4	-1.21	0.000642199	0.003934084
ENSG00000135723	FHOD1	51.71	42.57	-1.21	0.028505013	0.046027069
ENSG00000143494	VASH2	243.35	200.74	-1.21	2.82E-05	0.001039744
ENSG00000144283	PKP4	78.83	65.12	-1.21	0.005110226	0.013752477
ENSG00000146918	NCAPG2	112.55	92.88	-1.21	0.003181311	0.010052695
ENSG00000148019	CEP78	36.54	30.22	-1.21	0.003806738	0.01125917
ENSG00000150991	UBC	708.75	585.83	-1.21	0.000857801	0.004550164
ENSG00000152284	TCF7L1	88.52	72.95	-1.21	0.007638803	0.018140255
ENSG00000159200	RCAN1	61.03	50.3	-1.21	0.000389623	0.003006515
ENSG00000159658	EFCAB14	38.86	32.03	-1.21	0.021890769	0.03821913
ENSG00000163171	CDC42EP3	219.41	181.48	-1.21	0.000475501	0.003312374
ENSG00000166598	HSP90B1	555.34	458.59	-1.21	0.017408049	0.03211649
ENSG00000171365	CLCN5	44.09	36.56	-1.21	0.001311202	0.005820307
ENSG00000173744	AGFG1	67.38	55.74	-1.21	0.000409959	0.003073394
ENSG00000175348	TMEM9B	44.76	36.89	-1.21	0.007713273	0.018251784
ENSG00000175928	LRRN1	51.46	42.7	-1.21	0.002399461	0.008413255
ENSG00000177119	ANO6	31.73	26.28	-1.21	0.000394531	0.003029873
ENSG00000177885	GRB2	168.04	139.34	-1.21	0.003541722	0.010717248

ENSG00000177963	RIC8A	173.16	143.28	-1.21	0.004864275	0.013249119
ENSG00000178921	PFAS	51.54	42.74	-1.21	0.000696101	0.004063888
ENSG00000186076	RP11-887P2.3	64.52	53.45	-1.21	7.97E-06	0.000670828
ENSG00000196182	STK40	44.64	36.89	-1.21	0.000763556	0.004298301
ENSG00000206560	ANKRD28	33.43	27.57	-1.21	0.001435012	0.006122458
ENSG00000214018	RRM2P3	90.8	75.26	-1.21	0.002459865	0.008580459
ENSG00000225137	DYNC1I2P1	47.78	39.47	-1.21	0.001628306	0.006675771
ENSG00000247556	OIP5-AS1	51.4	42.49	-1.21	0.01796479	0.032891448
ENSG00000259516	ANP32AP1	46.56	38.45	-1.21	0.009780792	0.021489696
ENSG00000011007	TCEB3	61.44	51.32	-1.2	0.000398824	0.003038141
ENSG00000058804	NDC1	51.22	42.84	-1.2	0.001299204	0.005798937
ENSG00000083720	OXCT1	100.76	84.2	-1.2	0.019147353	0.034476916
ENSG00000092853	CLSPN	61.1	50.82	-1.2	0.008016601	0.018734254
ENSG00000101193	GID8	94.76	79.06	-1.2	0.001459163	0.00619194
ENSG00000105048	TNNT1	1517.22	1265.96	-1.2	0.002025564	0.007532871
ENSG00000107745	MICU1	57.79	48.33	-1.2	0.003713281	0.011068249
ENSG00000115275	MOGS	68.67	57.3	-1.2	0.020976646	0.037008854
ENSG00000117877	CD3EAP	37.73	31.45	-1.2	0.009300883	0.020748382
ENSG00000121644	DESI2	31	25.8	-1.2	0.012852594	0.025863997
ENSG00000124205	EDN3	84.88	70.66	-1.2	0.000723206	0.004158813
ENSG00000127589	TUBBP1	342.92	285.56	-1.2	0.000993135	0.004901335
ENSG00000127824	TUBA4A	458.75	383.84	-1.2	0.00629952	0.016082505
ENSG00000130332	LSM7	188.01	156.05	-1.2	0.029949101	0.047754761
ENSG00000132773	TOE1	31.36	26.21	-1.2	0.03027947	0.048175656
ENSG00000134970	TMED7	58.22	48.69	-1.2	0.014702819	0.028421933
ENSG00000139726	DENR	65.7	54.95	-1.2	0.002567968	0.008807924
ENSG00000141040	ZNF287	31.09	25.81	-1.2	0.026866082	0.044135132
ENSG00000142192	APP	564.87	469.59	-1.2	0.000368384	0.002892044

ENSG00000143033	MTF2	37.29	31.07	-1.2	0.005568656	0.014603423
ENSG00000148153	INIP	35.31	29.38	-1.2	0.029220795	0.046926153
ENSG00000148660	CAMK2G	33.74	28.07	-1.2	0.002894286	0.009515192
ENSG00000155366	RHOC	181.42	151.5	-1.2	0.013694049	0.027061503
ENSG00000157227	MMP14	124.84	103.77	-1.2	0.005682194	0.014851689
ENSG00000166333	ILK	123.28	103	-1.2	0.010526022	0.022638616
ENSG00000168078	PBK	87.65	72.78	-1.2	0.009644951	0.021306409
ENSG00000169851	PCDH7	107.83	90.15	-1.2	0.002578704	0.008831921
ENSG00000172757	CFL1	1389.98	1156.83	-1.2	0.00085718	0.004550164
ENSG00000177731	FLII	565.59	473.22	-1.2	0.003942275	0.011550475
ENSG00000185104	FAF1	126.98	105.93	-1.2	0.010418441	0.022437891
ENSG00000185728	YTHDF3	40.66	33.75	-1.2	0.009850715	0.021589294
ENSG00000196924	FLNA	309.84	257.16	-1.2	0.004665672	0.012822117
ENSG00000198369	SPRED2	40.28	33.69	-1.2	0.001455564	0.006185
ENSG00000198824	CHAMP1	39.48	32.83	-1.2	0.002886936	0.009501743
ENSG00000205339	IPO7	149.28	123.97	-1.2	0.006320885	0.016110923
ENSG00000211459	MT-RNR1	893.12	745.32	-1.2	0.004118269	0.011867348
ENSG00000234241	RP4-775C13.1	39.92	33.38	-1.2	0.003349077	0.010356327
ENSG00000261824	LINC00662	34.4	28.71	-1.2	0.007445713	0.01783547
ENSG00000004961	HCCS	91.15	76.75	-1.19	0.000833459	0.004493636
ENSG00000005022	SLC25A5	882.75	744.01	-1.19	0.000889812	0.004648873
ENSG00000010292	NCAPD2	234.68	197.49	-1.19	0.000701935	0.004092886
ENSG00000025039	RRAGD	51.05	43.05	-1.19	0.010958112	0.023292152
ENSG00000064666	CNN2	186.94	157.24	-1.19	0.001933134	0.007333488
ENSG00000065911	MTHFD2	163.16	137.03	-1.19	0.003668582	0.010980171
ENSG00000074695	LMAN1	46.84	39.4	-1.19	0.009112244	0.020464636
ENSG00000075218	GTSE1	84.14	70.68	-1.19	0.007530447	0.017990035
ENSG00000082781	ITGB5	184.79	155.59	-1.19	0.016639108	0.031049589

ENSG00000100075	SLC25A1	42.42	35.59	-1.19	0.030622574	0.048549988
ENSG00000104723	TUSC3	123.16	103.1	-1.19	0.002721992	0.009167164
ENSG00000104774	MAN2B1	42.62	35.86	-1.19	0.01920313	0.034540645
ENSG00000107758	PPP3CB	71.74	60.33	-1.19	0.000998409	0.004912745
ENSG00000108106	UBE2S	234.72	197.77	-1.19	0.007243555	0.01759841
ENSG00000108179	PPIF	143.32	120.41	-1.19	7.02E-05	0.001407264
ENSG00000115364	MRPL19	56.52	47.58	-1.19	0.001357949	0.005935149
ENSG00000115652	UXS1	54.24	45.59	-1.19	0.004060344	0.011750615
ENSG00000117308	GALE	50.52	42.58	-1.19	0.011600072	0.024227606
ENSG00000118680	MYL12B	193.2	162.41	-1.19	0.019961232	0.035616508
ENSG00000128272	ATF4	305.27	256.22	-1.19	9.34E-05	0.001610185
ENSG00000128739	SNRPN	61.68	51.96	-1.19	0.001686461	0.006834602
ENSG00000133121	STARD13	32.67	27.49	-1.19	0.008810978	0.020036059
ENSG00000135407	AVIL	198.19	167.05	-1.19	0.002846076	0.009432993
ENSG00000138180	CEP55	39.03	32.72	-1.19	0.005865711	0.015221843
ENSG00000138663	COPS4	75.38	63.49	-1.19	0.015983615	0.030220422
ENSG00000144136	SLC20A1	72.57	60.9	-1.19	1.99E-05	0.000888107
ENSG00000146676	PURB	66.82	56	-1.19	0.004025274	0.011674201
ENSG00000152558	TMEM123	212.1	178.23	-1.19	0.000309256	0.002670319
ENSG00000154553	PDLIM3	137.4	115.32	-1.19	0.002204829	0.007985742
ENSG00000156642	NPTN	203.86	171.77	-1.19	0.001301493	0.005798937
ENSG00000158623	COPG2	46.81	39.38	-1.19	0.013031824	0.026180053
ENSG00000160208	RRP1B	67.08	56.46	-1.19	0.000198172	0.002138411
ENSG00000164828	SUN1	64.67	54.36	-1.19	0.020155206	0.035867761
ENSG00000165806	CASP7	43.64	36.65	-1.19	0.029156982	0.0468396
ENSG00000166788	SAAL1	83.67	70.44	-1.19	0.000653739	0.003971111
ENSG00000182481	KPNA2	298.5	250.95	-1.19	0.001768232	0.006982742
ENSG00000182718	ANXA2	386.69	324.71	-1.19	0.001687306	0.006834602



ENSG00000183255	PTTG1P	238.81	200.53	-1.19	0.000101951	0.001677746
ENSG00000196470	SIAH1	34.03	28.53	-1.19	0.000348384	0.002822328
ENSG00000197601	FAR1	58.36	48.94	-1.19	0.007286449	0.017640261
ENSG00000231991	ANXA2P2	250.96	211.01	-1.19	0.003998321	0.011635286
ENSG00000234825	XRCC6P2	88.51	74.44	-1.19	0.001153907	0.005426974
ENSG00000239264	TXNDC5	148.33	124.35	-1.19	0.000233861	0.002296314
ENSG00000254598	CSNK2A3	83.59	70.39	-1.19	0.001220479	0.005641172
ENSG00000006744	ELAC2	241.82	204.41	-1.18	0.023630518	0.040031182
ENSG00000067225	PKM	2951.31	2504.75	-1.18	0.003799174	0.011249844
ENSG00000071054	MAP4K4	163.48	137.96	-1.18	0.005197822	0.01388592
ENSG00000091140	DLD	92.72	78.88	-1.18	0.023754875	0.0401622
ENSG00000101182	PSMA7	1465.93	1241.46	-1.18	0.003350512	0.010356327
ENSG00000105329	TGFB1	62.56	52.88	-1.18	0.011112201	0.02355607
ENSG00000105810	CDK6	80.34	68.1	-1.18	0.005743671	0.014970948
ENSG00000108424	KPNB1	675.28	571.68	-1.18	0.0011126	0.005309223
ENSG00000108559	NUP88	132.27	112	-1.18	0.017832983	0.032691855
ENSG00000113407	TARS	251.34	212.46	-1.18	0.008586834	0.01967764
ENSG00000115946	PNO1	51.2	43.51	-1.18	0.008900667	0.02013307
ENSG00000116212	LRRC42	60.75	51.56	-1.18	0.017711397	0.03256167
ENSG00000120685	PROSER1	69.1	58.48	-1.18	0.011242905	0.023750366
ENSG00000124795	DEK	161.82	137.35	-1.18	0.001222897	0.005641172
ENSG00000130939	UBE4B	36.57	31.1	-1.18	0.016134392	0.030383865
ENSG00000131626	PPFIA1	37.47	31.86	-1.18	0.002699244	0.009125648
ENSG00000131747	TOP2A	340.17	289.2	-1.18	0.012532268	0.025436143
ENSG00000133030	MPRIP	414.9	350.7	-1.18	0.000845854	0.004520471
ENSG00000133961	NUMB	38.32	32.49	-1.18	0.006482847	0.016361534
ENSG00000134108	ARL8B	53.06	44.95	-1.18	0.023049819	0.039500832
ENSG00000134684	YARS	141.04	119.98	-1.18	0.011911345	0.02459186

ENSG00000135052	GOLM1	135.92	115.09	-1.18	0.000250599	0.002398747
ENSG00000135316	SYNCRIP	179.84	152.45	-1.18	0.023467948	0.039870186
ENSG00000135454	B4GALNT1	127.59	107.92	-1.18	0.003977661	0.011601349
ENSG00000136802	LRR8A	42.18	35.71	-1.18	0.014606034	0.028272253
ENSG00000138092	CENPO	102.77	86.96	-1.18	0.001359693	0.005935149
ENSG00000138668	HNRNPD	1198.49	1016.86	-1.18	0.003716135	0.011068249
ENSG00000140632	GLYR1	70.38	59.62	-1.18	0.006608922	0.016538768
ENSG00000140945	CDH13	47.18	39.84	-1.18	0.001421559	0.006092578
ENSG00000142669	SH3BGL3	226.25	192.51	-1.18	0.006387807	0.0162028
ENSG00000143179	UCK2	75.85	64.1	-1.18	0.006307728	0.016088029
ENSG00000147416	ATP6V1B2	64.59	54.86	-1.18	0.011854463	0.024534267
ENSG00000151502	VPS26B	40.55	34.49	-1.18	0.007159016	0.017446869
ENSG00000160867	FGFR4	521.58	441.91	-1.18	0.03159024	0.049743349
ENSG00000168214	RBPJ	87.03	73.86	-1.18	0.005475666	0.01441686
ENSG00000168439	STIP1	336.84	285.18	-1.18	0.000439404	0.003169064
ENSG00000171314	PGAM1	110.8	93.94	-1.18	0.004269468	0.012183119
ENSG00000171617	ENC1	83.52	70.9	-1.18	0.000326489	0.002740441
ENSG00000174437	ATP2A2	167.63	142.31	-1.18	0.000299456	0.002623986
ENSG00000186660	ZFP91	49.45	41.9	-1.18	0.002211081	0.007996124
ENSG00000197713	RPE	48.99	41.61	-1.18	0.013343671	0.026558011
ENSG00000197744	PTMAP2	718.65	608.69	-1.18	0.009569462	0.021189202
ENSG00000213719	CLIC1	361.26	306.77	-1.18	0.000127214	0.00177759
ENSG00000225536	STIP1P3	48.24	40.95	-1.18	0.001935574	0.00733485
ENSG00000225568	RP11-384B12.3	39.77	33.63	-1.18	0.025292441	0.042151094
ENSG00000229944	EIF4EP2	137.16	116.27	-1.18	0.025858343	0.042882358
ENSG00000232112	TMA7	239.74	203.23	-1.18	0.025497992	0.042359133
ENSG00000251593	MSNP1	35.95	30.57	-1.18	0.016593195	0.03097615
ENSG00000265241	RBM8A	242.58	205.15	-1.18	0.001698081	0.006842897

ENSG00000015133	CCDC88C	46.45	39.65	-1.17	0.023930989	0.040380872
ENSG00000071967	CYBRD1	67.52	57.62	-1.17	0.001875839	0.007220229
ENSG00000075624	ACTB	3343.5	2865.74	-1.17	0.008434286	0.019450749
ENSG00000085117	CD82	204.92	175.78	-1.17	0.02456777	0.041234392
ENSG00000085377	PREP	63.76	54.4	-1.17	0.017343841	0.032048107
ENSG00000102172	SMS	118.15	101.09	-1.17	0.004319077	0.012259818
ENSG00000105443	CYTH2	47.04	40.21	-1.17	0.007828647	0.018431714
ENSG00000106829	TLE4	65.71	56.18	-1.17	0.010744595	0.022976918
ENSG00000110713	NUP98	139.17	118.48	-1.17	0.007832405	0.018431714
ENSG00000114867	EIF4G1	426.56	365.52	-1.17	0.009755644	0.0214706
ENSG00000116161	CACYBP	244.34	209.33	-1.17	0.015273971	0.029217889
ENSG00000116863	ADPRHL2	35.56	30.46	-1.17	0.003240923	0.010173012
ENSG00000117697	NSL1	70.44	60.14	-1.17	0.005035273	0.013612818
ENSG00000121892	PDS5A	67.09	57.34	-1.17	0.022522455	0.038879223
ENSG00000123268	ATF1	48.54	41.44	-1.17	0.017281191	0.031969864
ENSG00000124783	SSR1	75.13	63.99	-1.17	0.018672458	0.033895422
ENSG00000127946	HIP1	36.47	31.22	-1.17	0.003167763	0.010041171
ENSG00000130520	LSM4	339.16	290.94	-1.17	0.004859356	0.013243358
ENSG00000132688	NES	658.12	563.28	-1.17	0.000565168	0.003641591
ENSG00000136891	TEX10	66.17	56.45	-1.17	0.00212321	0.007797763
ENSG00000141367	CLTC	178.47	152.06	-1.17	0.002347553	0.008286616
ENSG00000141543	EIF4A3	439.66	377.23	-1.17	0.002139578	0.007851768
ENSG00000146223	RPL7L1	87.28	74.62	-1.17	0.002878224	0.00949111
ENSG00000162745	OLFML2B	142.92	121.94	-1.17	0.020056964	0.035719849
ENSG00000165304	MELK	58.81	50.37	-1.17	0.00577178	0.015027627
ENSG00000171456	ASXL1	81.14	69.61	-1.17	0.009992363	0.021828831
ENSG00000171604	CXXC5	81.57	69.74	-1.17	0.018959005	0.034240968
ENSG00000171848	RRM2	453.81	386.65	-1.17	0.003267626	0.010193525

ENSG00000183684	ALYREF	531.56	453.83	-1.17	0.002493514	0.008672214
ENSG00000183943	PRKX	52.53	44.98	-1.17	0.004292379	0.01221179
ENSG00000187079	TEAD1	63.37	53.94	-1.17	0.009940818	0.021746404
ENSG00000197702	PARVA	51.59	44.09	-1.17	0.002257669	0.008094416
ENSG00000198420	TCAF1	63.01	53.79	-1.17	0.005787809	0.01505345
ENSG00000198911	SREBF2	114.7	98.11	-1.17	0.004672213	0.012822117
ENSG00000217094	PPIAP31	73	62.62	-1.17	0.005339035	0.014118848
ENSG00000244687	UBE2V1	302.08	257.77	-1.17	0.007651323	0.018150274
ENSG00000005893	LAMP2	178.38	153.21	-1.16	0.002611201	0.008898053
ENSG00000025772	TOMM34	48.25	41.46	-1.16	0.010136638	0.022029543
ENSG00000056097	ZFR	115.61	100.02	-1.16	0.008670345	0.019820929
ENSG00000065150	IPO5	221.3	191.36	-1.16	0.012522038	0.025433573
ENSG00000089280	FUS	651.01	563.11	-1.16	0.001444357	0.006151215
ENSG00000091483	FH	90.43	77.73	-1.16	0.001698	0.006842897
ENSG00000092841	MYL6	1071.89	925.11	-1.16	0.011457641	0.023997533
ENSG00000101084	C20orf24	170.9	147.59	-1.16	0.008097173	0.018848175
ENSG00000102178	UBL4A	54.07	46.76	-1.16	0.000921672	0.004739669
ENSG00000103018	CYB5B	114.14	98.19	-1.16	0.015741022	0.029893385
ENSG00000111371	SLC38A1	110.74	95.49	-1.16	0.002544529	0.008765726
ENSG00000113845	TIMMDC1	99.39	86.04	-1.16	0.002702227	0.009125893
ENSG00000122882	ECD	54.13	46.66	-1.16	0.004932014	0.013371931
ENSG00000131263	RLIM	51.34	44.22	-1.16	0.007934317	0.01859414
ENSG00000132429	POPDC3	53.27	46.07	-1.16	0.016059001	0.030287382
ENSG00000136153	LMO7	140.59	121.02	-1.16	0.015795891	0.029974331
ENSG00000138698	RAP1GDS1	48.4	41.7	-1.16	0.023703841	0.040112232
ENSG00000140525	FANCI	98.56	85.06	-1.16	0.006777286	0.016793873
ENSG00000143319	ISG20L2	63.06	54.27	-1.16	0.018289776	0.033378135
ENSG00000149503	INCENP	92.22	79.49	-1.16	0.018824033	0.03411043

ENSG00000153207	AHCTF1	52.76	45.55	-1.16	0.029140654	0.046832221
ENSG00000154719	MRPL39	82.47	70.89	-1.16	0.015652654	0.029797455
ENSG00000159079	C21orf59	44.23	38.14	-1.16	0.008046506	0.018767233
ENSG00000159720	ATP6V0D1	107.39	92.41	-1.16	0.004339483	0.012274726
ENSG00000170027	YWHAG	282.34	243.29	-1.16	6.49E-05	0.001380757
ENSG00000171603	CLSTN1	82.61	71.12	-1.16	0.000749923	0.004247753
ENSG00000173848	NET1	113.59	97.94	-1.16	0.002264605	0.008094416
ENSG00000175792	RUVBL1	161.2	138.96	-1.16	0.002215278	0.008000275
ENSG00000177189	RPS6KA3	116.79	100.99	-1.16	0.015160043	0.029035231
ENSG00000182175	RGMA	85.55	73.72	-1.16	0.013938597	0.027384358
ENSG00000182534	MXRA7	251.32	217.16	-1.16	0.018843176	0.034111276
ENSG00000187742	SECISBP2	36.54	31.46	-1.16	0.004669357	0.012822117
ENSG00000197622	CDC42SE1	64.42	55.57	-1.16	7.25E-06	0.000670828
ENSG00000227105	PARP1P1	47.73	40.99	-1.16	0.000368624	0.002892044
ENSG00000238000	RP11-274E7.2	44.61	38.51	-1.16	0.00053632	0.003529439
ENSG00000243547	HNRNPKP4	216.16	186.01	-1.16	0.000201501	0.002148284
ENSG00000250562	RPL38P4	215.43	185.54	-1.16	0.011012999	0.023387766
ENSG00000256663	RP11-424C20.2	141.17	121.6	-1.16	0.011986299	0.024636805
ENSG00000015153	YAF2	48.66	42.48	-1.15	0.027203237	0.044535678
ENSG00000073921	PICALM	261.7	227.16	-1.15	0.001234409	0.005660305
ENSG00000085224	ATRX	40.28	35.01	-1.15	0.020404817	0.036202837
ENSG00000086061	DNAJA1	263.02	229.36	-1.15	0.013896255	0.027358071
ENSG00000087157	PGS1	79.38	68.8	-1.15	0.025890435	0.042919077
ENSG00000100911	PSME2	201.73	175.13	-1.15	0.002750069	0.009208022
ENSG00000101152	DNAJC5	87.59	75.96	-1.15	0.011633654	0.024247904
ENSG00000102572	STK24	74.07	64.51	-1.15	0.026520076	0.043744229
ENSG00000102974	CTCF	44.2	38.29	-1.15	0.001043784	0.005082259
ENSG00000103035	PSMD7	77.19	67.33	-1.15	0.000406396	0.003061257

ENSG00000103855	CD276	182.04	157.97	-1.15	0.011429585	0.023949392
ENSG00000105879	CBLL1	38.37	33.27	-1.15	0.012312342	0.025119304
ENSG00000106462	EZH2	83.55	72.9	-1.15	0.022635857	0.038975266
ENSG00000107262	BAG1	83.59	72.89	-1.15	0.016076695	0.030299374
ENSG00000107263	RAPGEF1	111.09	96.35	-1.15	0.010125334	0.022017473
ENSG00000107672	NSMCE4A	65.28	56.59	-1.15	0.004026524	0.011674201
ENSG00000111605	CPSF6	85.56	74.71	-1.15	0.000239913	0.002341136
ENSG00000113575	PPP2CA	350.73	303.78	-1.15	0.002667879	0.009058514
ENSG00000114978	MOB1A	129.12	112.36	-1.15	0.000691847	0.004054086
ENSG00000116062	MSH6	131.3	114.5	-1.15	0.011279137	0.023776093
ENSG00000117632	STMN1	1981.78	1719.46	-1.15	0.003689953	0.011037142
ENSG00000123219	CENPK	90.19	78.47	-1.15	0.019102073	0.034421629
ENSG00000126787	DLGAP5	67.86	59.25	-1.15	0.000998568	0.004912745
ENSG00000128607	KLHDC10	40.37	35.19	-1.15	0.004321287	0.012259818
ENSG00000132964	CDK8	41.82	36.35	-1.15	0.019202546	0.034540645
ENSG00000134453	RBM17	100.16	87.27	-1.15	0.00050651	0.003428111
ENSG00000137804	NUSAP1	247.57	216.04	-1.15	0.000205572	0.002155667
ENSG00000141540	TTYH2	57.07	49.67	-1.15	0.010061459	0.021904949
ENSG00000142634	EFHD2	169.29	146.92	-1.15	0.029825594	0.047672307
ENSG00000145604	SKP2	647.81	563.3	-1.15	0.000830646	0.004483589
ENSG00000147257	GPC3	50.67	44.21	-1.15	0.009897241	0.021671149
ENSG00000154380	ENAH	272.15	236.69	-1.15	0.000575076	0.003663793
ENSG00000155660	PDIA4	235.54	205.25	-1.15	7.59E-05	0.001423144
ENSG00000164754	RAD21	277.07	241.27	-1.15	0.006442281	0.016288486
ENSG00000168066	SF1	442.7	386.57	-1.15	0.007446866	0.01783547
ENSG00000169439	SDC2	173.83	150.79	-1.15	0.011987165	0.024636805
ENSG00000173473	SMARCC1	89.24	77.85	-1.15	0.000303516	0.002638286
ENSG00000175110	MRPS22	79.43	69.37	-1.15	0.00766417	0.018171625

ENSG00000180730	SHISA2	40.13	34.88	-1.15	0.000442218	0.00317416
ENSG00000197771	MCMBP	86.53	75.21	-1.15	0.003280886	0.010211251
ENSG00000198604	BAZ1A	77.24	67.37	-1.15	0.000935173	0.004764643
ENSG00000228519	RP11-298C3.2	209.68	183.04	-1.15	0.001272759	0.005728291
ENSG00000244457	ENO1P1	266.41	232.11	-1.15	0.003264594	0.010193525
ENSG00000254244	PAICSP4	64.52	56.18	-1.15	0.015712011	0.029874327
ENSG00000258427	RBM8B	117.99	102.7	-1.15	0.000241796	0.00235463
ENSG00000008405	CRY1	51.04	44.96	-1.14	0.009750598	0.021469499
ENSG00000048740	CELF2	45.9	40.35	-1.14	0.003876052	0.011413089
ENSG00000064309	CDON	66.82	58.76	-1.14	0.008517762	0.019566824
ENSG00000066044	ELAVL1	145.54	127.53	-1.14	8.89E-06	0.000670828
ENSG00000067560	RHOA	608.81	534.49	-1.14	0.004283997	0.012210812
ENSG00000076043	REXO2	89.22	78.39	-1.14	0.012568307	0.025465514
ENSG00000081320	STK17B	108.56	95.57	-1.14	0.025922534	0.042943573
ENSG00000082068	WDR70	51.66	45.29	-1.14	0.00171943	0.006887928
ENSG00000099901	RANBP1	401.85	351.3	-1.14	0.001874831	0.007220229
ENSG00000105993	DNAJB6	48.23	42.14	-1.14	0.015706067	0.029874327
ENSG00000107833	NPM3	435.32	382.28	-1.14	0.024762494	0.041490084
ENSG00000108518	PFN1	1479.33	1293.73	-1.14	0.023237541	0.039707275
ENSG00000108654	DDX5	1191.67	1048.6	-1.14	0.000707346	0.00410417
ENSG00000109113	RAB34	263.2	231.22	-1.14	0.000205758	0.002155667
ENSG00000113068	PFDN1	131.8	115.17	-1.14	0.003589532	0.010817001
ENSG00000113460	BRIX1	87.67	77.12	-1.14	0.009972111	0.02179467
ENSG00000123130	ACOT9	114.4	100.02	-1.14	0.003263054	0.010193525
ENSG00000125944	HNRNPR	510.1	448.68	-1.14	0.000695339	0.004063888
ENSG00000127884	ECHS1	90.18	79.19	-1.14	0.001255593	0.005680234
ENSG00000131446	MGAT1	98.33	86.01	-1.14	0.004407931	0.01236997
ENSG00000133275	CSNK1G2	68.95	60.42	-1.14	0.003323874	0.01030772

ENSG00000135720	DYNC1LI2	246.37	216.78	-1.14	0.005907574	0.01527174
ENSG00000135912	TTL4	61.54	54.09	-1.14	0.009007929	0.020336735
ENSG00000136108	CKAP2	93.47	82.08	-1.14	0.026243322	0.043365251
ENSG00000141219	C17orf80	51.26	45.13	-1.14	0.000971182	0.004869314
ENSG00000143549	TPM3	187.23	164.1	-1.14	0.000263769	0.002452321
ENSG00000148843	PDCD11	75.98	66.68	-1.14	0.025411866	0.042272057
ENSG00000162813	BPNT1	53.2	46.52	-1.14	0.02738495	0.04473854
ENSG00000163507	KIAA1524	89.03	78.13	-1.14	0.013515744	0.026810105
ENSG00000164904	ALDH7A1	113.37	99.61	-1.14	0.00426734	0.012183119
ENSG00000166200	COPS2	96.12	84.45	-1.14	0.02610795	0.043205272
ENSG00000166747	AP1G1	50.27	44.2	-1.14	0.027352243	0.04473854
ENSG00000166860	ZBTB39	98.44	86.22	-1.14	0.000808018	0.004427224
ENSG00000168036	CTNNB1	215.5	189.04	-1.14	0.000686903	0.004052022
ENSG00000168496	FEN1	144.9	127.12	-1.14	0.000618147	0.003847131
ENSG00000168610	STAT3	93.15	81.93	-1.14	0.000366516	0.002889906
ENSG00000169554	ZEB2	54.97	48.12	-1.14	0.003710557	0.011068249
ENSG00000173511	VEGFB	91.69	80.08	-1.14	0.010593526	0.022752716
ENSG00000175582	RAB6A	65.84	57.59	-1.14	0.018673701	0.033895422
ENSG00000176619	LMNB2	162.14	142.77	-1.14	0.00108736	0.005224416
ENSG00000176624	MEX3C	74.32	64.92	-1.14	0.00323111	0.010153382
ENSG00000196419	XRCC6	450.32	393.82	-1.14	0.001456218	0.006185
ENSG00000198728	LDB1	98.46	86.73	-1.14	0.005529798	0.014518909
ENSG00000198752	CDC42BPB	56.27	49.24	-1.14	0.018879631	0.034143173
ENSG00000214110	LDHAP4	145.63	127.31	-1.14	0.00760716	0.018100059
ENSG00000214391	TUBAP2	257.11	225.99	-1.14	0.005765505	0.015019569
ENSG00000226015	CCT8P1	105.58	92.82	-1.14	0.001843276	0.007147613
ENSG00000235655	H3F3AP4	976.19	852.68	-1.14	0.001338396	0.005891186
ENSG00000249485	RBBP4P1	78.58	68.78	-1.14	0.00755762	0.018045823



ENSG00000250526	CCT6P2	66.4	58.16	-1.14	0.007589903	0.018086332
ENSG00000253173	RP11-152C15.1	367.69	322.91	-1.14	0.002264042	0.008094416
ENSG00000265574	WDR45BP1	44.77	39.44	-1.14	0.004332435	0.012267441
ENSG00000004897	CDC27	155.09	137.45	-1.13	0.00799151	0.018694354
ENSG00000015475	BID	89.42	78.95	-1.13	0.022584733	0.038944029
ENSG00000023228	NDUFS1	90.05	79.74	-1.13	0.016829027	0.031354436
ENSG00000035141	FAM136A	86.59	76.43	-1.13	0.002048465	0.007600078
ENSG00000044574	HSPA5	393.73	346.93	-1.13	0.006342092	0.016138847
ENSG00000077380	DYNC1I2	54.51	48.08	-1.13	0.000422447	0.003107817
ENSG00000079246	XRCC5	431.28	383.13	-1.13	0.016843776	0.031357176
ENSG00000079616	KIF22	147.99	131.1	-1.13	0.009330021	0.020785701
ENSG00000095319	NUP188	136.55	120.94	-1.13	0.001946928	0.007362163
ENSG00000100416	TRMU	108.27	96.12	-1.13	0.002878911	0.00949111
ENSG00000102316	MAGED2	115.11	102.28	-1.13	0.007365067	0.017753786
ENSG00000104067	TJP1	47.45	42.06	-1.13	0.006468404	0.016345786
ENSG00000108018	SORCS1	50.33	44.46	-1.13	0.006485029	0.016361534
ENSG00000108262	GIT1	69.79	62.01	-1.13	0.009835272	0.021575471
ENSG00000108671	PSMD11	226.74	200.21	-1.13	0.020847234	0.036857763
ENSG00000108883	EFTUD2	246.1	218.18	-1.13	0.027448727	0.044794862
ENSG00000109805	NCAPG	97.43	86.03	-1.13	0.016909657	0.031442641
ENSG00000116237	ICMT	110.29	97.73	-1.13	0.000224477	0.002255756
ENSG00000117859	OSBPL9	82.23	72.58	-1.13	0.000734392	0.004201276
ENSG00000123545	NDUFAF4	58.57	51.8	-1.13	0.030661127	0.048562208
ENSG00000130816	DNMT1	267.52	235.73	-1.13	0.021779475	0.038097948
ENSG00000133997	MED6	58.6	51.87	-1.13	0.003127152	0.00998375
ENSG00000134086	VHL	43.93	38.83	-1.13	0.001337352	0.005891186
ENSG00000134186	PRPF38B	60.84	53.9	-1.13	0.004629159	0.012777703
ENSG00000134333	LDHA	853.99	754.85	-1.13	0.013608484	0.026948793

ENSG00000136158	SPRY2	176.72	156.82	-1.13	0.002192161	0.007958169
ENSG00000138413	IDH1	57.36	50.84	-1.13	0.001114004	0.005309223
ENSG00000139746	RBM26	71.4	63.39	-1.13	0.023691809	0.040106241
ENSG00000141867	BRD4	91.1	80.88	-1.13	0.022129994	0.038483049
ENSG00000145293	ENOPH1	114.06	100.59	-1.13	0.009628426	0.021299792
ENSG00000149136	SSRP1	324.72	288.39	-1.13	0.000961141	0.004837441
ENSG00000150403	TMCO3	48.2	42.69	-1.13	0.001994939	0.007477856
ENSG00000150753	CCT5	321.97	284.37	-1.13	0.001635628	0.006694074
ENSG00000156802	ATAD2	69.47	61.72	-1.13	0.02237692	0.038764595
ENSG00000158615	PPP1R15B	60.58	53.8	-1.13	0.003213316	0.01011766
ENSG00000159176	CSRP1	208.43	185.25	-1.13	0.003361207	0.010377166
ENSG00000161013	MGAT4B	163.53	144.43	-1.13	0.02351588	0.039908553
ENSG00000163166	IWS1	77.68	68.85	-1.13	0.004524181	0.012576726
ENSG00000163531	NFASC	84.99	75.25	-1.13	0.007180642	0.017472525
ENSG00000165480	SKA3	58.82	51.83	-1.13	0.011401093	0.023910907
ENSG00000167553	TUBA1C	449.59	396.13	-1.13	0.004095941	0.011831883
ENSG00000168385	2-Sep	690.56	612.66	-1.13	0.003498302	0.010639072
ENSG00000169564	PCBP1	526.89	466.56	-1.13	0.001828626	0.007102466
ENSG00000171735	CAMTA1	155.55	138.23	-1.13	0.029826734	0.047672307
ENSG00000173812	EIF1	774.84	684.93	-1.13	0.002446408	0.008539826
ENSG00000173894	CBX2	105.78	93.8	-1.13	0.012848827	0.025863997
ENSG00000174780	SRP72	128.89	114.4	-1.13	0.00035088	0.002827995
ENSG00000180992	MRPL14	105.85	94.06	-1.13	0.005381044	0.014221976
ENSG00000182149	IST1	153.37	135.28	-1.13	0.023558872	0.039952801
ENSG00000182199	SHMT2	2001.28	1774.57	-1.13	0.014258388	0.027884112
ENSG00000198492	YTHDF2	97.1	85.92	-1.13	0.007025741	0.017210878
ENSG00000198900	TOP1	146.25	129.44	-1.13	0.025195365	0.042033807
ENSG00000214973	CHCHD3P3	78.26	69.35	-1.13	0.028566329	0.046094558

ENSG00000236814	RP11-446E9.1	62.72	55.6	-1.13	0.007428062	0.017826595
ENSG00000249936	RAC1P2	224.85	199.16	-1.13	0.001606266	0.006608359
ENSG00000271525	ARF4P1	45.43	40.29	-1.13	0.019005602	0.034287036
ENSG00000006125	AP2B1	94.1	83.67	-1.12	0.005020041	0.013579413
ENSG00000009307	CSDE1	627.21	559.37	-1.12	0.0119055	0.02459186
ENSG00000010270	STARD3NL	108.53	97.09	-1.12	0.003124434	0.00998375
ENSG00000022267	FHL1	64.06	57.38	-1.12	0.022442784	0.038798415
ENSG00000031698	SARS	101.32	90.43	-1.12	0.002362195	0.008319646
ENSG00000034713	GABARAPL2	61.7	55.02	-1.12	0.025212395	0.042047367
ENSG00000080845	DLGAP4	67.5	60.02	-1.12	0.01340761	0.026629159
ENSG00000087087	SRRT	309.18	275.92	-1.12	0.007727109	0.018268806
ENSG00000087586	AURKA	267.07	238.62	-1.12	0.005163484	0.013824906
ENSG00000088205	DDX18	76.57	68.23	-1.12	0.000945917	0.004807959
ENSG00000099331	MYO9B	53.65	47.71	-1.12	0.020018688	0.03567859
ENSG00000105968	H2AFV	471.61	420.24	-1.12	0.007836986	0.018433309
ENSG00000112183	RBM24	46.94	41.89	-1.12	0.00130128	0.005798937
ENSG00000115091	ACTR3	146.58	131.31	-1.12	0.005277616	0.014027112
ENSG00000116584	ARHGEF2	173.78	155.61	-1.12	0.006501903	0.016369129
ENSG00000116688	MFN2	87.16	77.62	-1.12	0.015979083	0.030220422
ENSG00000116750	UCHL5	47.51	42.36	-1.12	0.029923657	0.047741525
ENSG00000121152	NCAPH	67.99	60.95	-1.12	0.014386154	0.027983279
ENSG00000123200	ZC3H13	47.95	42.92	-1.12	0.001261907	0.005703339
ENSG00000126778	SIX1	67.33	59.93	-1.12	0.002671408	0.00906398
ENSG00000130024	PHF10	115.87	103.2	-1.12	0.01135913	0.02386529
ENSG00000131236	CAP1	195.54	174.09	-1.12	0.030502296	0.048434582
ENSG00000140350	ANP32A	545.01	485.06	-1.12	0.003461499	0.010609125
ENSG00000143398	PIP5K1A	79.54	71.26	-1.12	0.010587795	0.022750752
ENSG00000143815	LBR	147.76	132.4	-1.12	0.001666719	0.006774451

ENSG00000158470	B4GALT5	131.6	117.81	-1.12	5.07E-05	0.001257003
ENSG00000164292	RHOBTB3	104.8	93.75	-1.12	0.005987932	0.015428808
ENSG00000166483	WEE1	86.5	77.03	-1.12	0.000758899	0.004277186
ENSG00000170745	KCNS3	71.77	64.22	-1.12	0.006008601	0.015465188
ENSG00000178860	MSC	187.32	167.3	-1.12	0.022382183	0.038764595
ENSG00000179195	ZNF664	86.11	76.79	-1.12	0.005167603	0.013828096
ENSG00000227347	HNRNPKP2	53.06	47.33	-1.12	0.00308806	0.009901499
ENSG00000229161	TCP1P1	75.08	67.17	-1.12	0.026784244	0.044075982
ENSG00000275400	RP4-756H11.5	59.95	53.51	-1.12	0.011778179	0.024419815
ENSG00000040633	PHF23	67.39	60.7	-1.11	0.006844504	0.016907214
ENSG00000074319	TSG101	153.22	138.58	-1.11	0.019126104	0.034451789
ENSG00000075336	TIMM21	63.56	57.19	-1.11	0.02361886	0.040025789
ENSG00000078140	UBE2K	90.73	82.03	-1.11	0.011911432	0.02459186
ENSG00000078618	NRD1	138.97	125.51	-1.11	0.019573906	0.035057853
ENSG00000101019	UQCC1	132.09	119.38	-1.11	0.011621106	0.024243146
ENSG00000102401	ARMCX3	61.78	55.57	-1.11	0.000573024	0.003663793
ENSG00000112984	KIF20A	86.56	77.69	-1.11	0.03176158	0.049903508
ENSG00000115875	SRSF7	412.73	372.45	-1.11	0.017819452	0.032691855
ENSG00000116478	HDAC1	151.54	137.09	-1.11	0.00332808	0.010310235
ENSG00000119707	RBM25	67.43	60.9	-1.11	0.001891726	0.007228659
ENSG00000124193	SRSF6	203.39	182.67	-1.11	0.000660475	0.003994142
ENSG00000131467	PSME3	135.51	122.16	-1.11	0.000589673	0.00372828
ENSG00000132383	RPA1	82.82	74.91	-1.11	0.019871301	0.035469446
ENSG00000132386	SERPINF1	201.95	181.73	-1.11	0.000175843	0.002031195
ENSG00000132661	NXT1	71.93	65.03	-1.11	0.013811129	0.027224525
ENSG00000136450	SRSF1	453.28	408.28	-1.11	0.000666907	0.003997208
ENSG00000138381	ASNSD1	114.55	103.61	-1.11	0.014920116	0.028723145
ENSG00000144029	MRPS5	72.06	65.02	-1.11	0.003076815	0.009894174

ENSG00000149485	FADS1	87.99	79.16	-1.11	0.000292757	0.002584466
ENSG00000160408	ST6GALNAC6	103.68	93.56	-1.11	0.010427826	0.022447867
ENSG00000162521	RBBP4	326.93	295.71	-1.11	0.011548546	0.0241451
ENSG00000162923	WDR26	75.6	68.1	-1.11	0.019470487	0.034938872
ENSG00000163191	S100A11	1110.69	1003.47	-1.11	0.012407587	0.02522648
ENSG00000165119	HNRNPK	780.36	705.93	-1.11	0.007274614	0.017640261
ENSG00000168264	IRF2BP2	80.6	72.92	-1.11	0.026526249	0.043744229
ENSG00000168374	ARF4	234.25	211.98	-1.11	0.024477872	0.041128457
ENSG00000169045	HNRNPH1	1367.42	1226.64	-1.11	0.021041635	0.037095798
ENSG00000169375	SIN3A	61.19	55.13	-1.11	0.015370217	0.029342578
ENSG00000170852	KBTBD2	68.92	62.06	-1.11	0.028137481	0.045589476
ENSG00000184575	XPOT	50.47	45.33	-1.11	0.002414935	0.008442441
ENSG00000196230	TUBB	2171.06	1957.69	-1.11	0.015082294	0.028943091
ENSG00000198231	DDX42	146.38	131.71	-1.11	0.021125519	0.037188158
ENSG00000204256	BRD2	258.74	233.91	-1.11	0.0041081	0.011845273
ENSG00000213782	DDX47	84.13	75.81	-1.11	0.031476195	0.049603627
ENSG00000215301	DDX3X	128.03	115.42	-1.11	0.011933027	0.024593288
ENSG00000223361	FTH1P10	61.71	55.84	-1.11	0.013166547	0.026381363
ENSG00000224411	HSP90AA2P	124.01	111.92	-1.11	0.013223659	0.026475347
ENSG00000243927	MRPS6	54.65	49.38	-1.11	0.025038502	0.041844667
ENSG00000254270	ERHP1	257.19	232.01	-1.11	0.014881924	0.028677
ENSG00000255642	PABPC1P4	86.21	77.83	-1.11	0.001855116	0.007181732
ENSG00000007923	DNAJC11	115.07	105.02	-1.1	0.022699075	0.039034726
ENSG00000079462	PAFAH1B3	102.89	93.8	-1.1	0.030602079	0.04854558
ENSG00000088325	TPX2	163.39	148.01	-1.1	0.001817408	0.00708804
ENSG00000088833	NSFL1C	120.91	109.77	-1.1	0.00322958	0.010153382
ENSG00000106615	RHEB	96.1	87.55	-1.1	0.014536879	0.028169559
ENSG00000108953	YWHAE	735.23	667.9	-1.1	0.007432888	0.017829117

ENSG00000111011	RSRC2	110.91	101.01	-1.1	0.009970643	0.02179467
ENSG00000112081	SRSF3	658.43	596.8	-1.1	0.017265113	0.031965163
ENSG00000113648	H2AFY	313.77	285.46	-1.1	0.009997225	0.021829354
ENSG00000115241	PPM1G	223.6	203.12	-1.1	0.007280403	0.017640261
ENSG00000115306	SPTBN1	102.38	93.02	-1.1	0.022936908	0.039321603
ENSG00000120733	KDM3B	59.48	54.06	-1.1	0.005404987	0.014277267
ENSG00000135821	GLUL	184.9	168.32	-1.1	0.001254279	0.005680234
ENSG00000140157	NIPA2	86.31	78.28	-1.1	0.018379777	0.033490621
ENSG00000141030	COPS3	476.86	431.89	-1.1	0.011583435	0.024207328
ENSG00000142230	SAE1	209.62	190.87	-1.1	0.010750177	0.022976918
ENSG00000147065	MSN	222.81	202.18	-1.1	0.008286556	0.019175603
ENSG00000151846	PABPC3	68.3	62	-1.1	0.010855487	0.023138672
ENSG00000156261	CCT8	364.99	333	-1.1	0.011690964	0.024318904
ENSG00000159202	UBE2Z	93.07	84.95	-1.1	7.58E-06	0.000670828
ENSG00000159251	ACTC1	2952.54	2672.26	-1.1	0.001179787	0.005516962
ENSG00000163291	PAQR3	60.04	54.47	-1.1	0.019507637	0.034965681
ENSG00000163811	WDR43	86.45	78.54	-1.1	0.013283382	0.026531915
ENSG00000171766	GATM	199.6	180.73	-1.1	0.023352044	0.039744757
ENSG00000175029	CTBP2	62.09	56.25	-1.1	0.012712839	0.025681241
ENSG00000176871	WSB2	82.78	75.33	-1.1	0.001254662	0.005680234
ENSG00000187514	PTMA	1132.3	1032.93	-1.1	0.025354763	0.042215058
ENSG00000198408	MGEA5	133.54	121.71	-1.1	0.005080683	0.01368857
ENSG00000198815	FOXJ3	56.88	51.5	-1.1	0.007674524	0.018177923
ENSG00000213585	VDAC1	288.1	262.57	-1.1	0.006789855	0.016816195
ENSG00000214121	PRDX1P1	102.54	92.81	-1.1	0.023737094	0.040154116
ENSG00000013810	TACC3	170.15	155.97	-1.09	0.030647931	0.048562208
ENSG00000044115	CTNNA1	279.07	255.47	-1.09	0.003895125	0.011440718
ENSG00000050405	LIMA1	117.58	108.09	-1.09	0.007412271	0.01780223

ENSG00000064042	LIMCH1	60.65	55.45	-1.09	0.014963395	0.028767607
ENSG00000088930	XRN2	77.15	70.59	-1.09	0.022042274	0.038391321
ENSG00000099942	CRKL	64.9	59.62	-1.09	0.001790312	0.007046371
ENSG00000102144	PGK1	393.82	360.57	-1.09	0.025034696	0.041844667
ENSG00000112096	SOD2	133.76	122.23	-1.09	0.027406631	0.044754624
ENSG00000119203	CPSF3	83.55	76.53	-1.09	0.000612081	0.003828955
ENSG00000120438	TCP1	576.24	529.56	-1.09	0.011240522	0.023750366
ENSG00000124160	NCOA5	71.95	66.03	-1.09	0.020004676	0.035667077
ENSG00000124164	VAPB	137.58	125.74	-1.09	0.002826	0.009386215
ENSG00000140262	TCF12	114.22	104.89	-1.09	0.001906012	0.007248253
ENSG00000143799	PARP1	569.41	521.86	-1.09	0.001602733	0.006605332
ENSG00000143924	EML4	86.31	79.31	-1.09	0.018504754	0.033679365
ENSG00000147155	EBP	92.04	84.56	-1.09	0.009210953	0.020627468
ENSG00000161547	SRSF2	572.32	523.89	-1.09	0.002189766	0.007955589
ENSG00000163479	SSR2	247.22	227.67	-1.09	0.016418314	0.030783525
ENSG00000166595	FAM96B	224.95	205.79	-1.09	0.009774798	0.021489696
ENSG00000180228	PRKRA	86.97	79.9	-1.09	0.022223777	0.038603494
ENSG00000185624	P4HB	1370.37	1256.94	-1.09	2.18E-05	0.00089688
ENSG00000185651	UBE2L3	68.43	62.98	-1.09	0.008744918	0.01996242
ENSG00000205937	RNPS1	293.95	270.85	-1.09	0.00523596	0.013950274
ENSG00000225630	MTND2P28	1480.47	1363.95	-1.09	0.017493173	0.032248344
ENSG00000008018	PSMB1	400.5	370.63	-1.08	0.01719417	0.031871297
ENSG00000010244	ZNF207	343.49	317.9	-1.08	0.003159713	0.010022403
ENSG00000061794	MRPS35	68.25	62.92	-1.08	0.004770166	0.013053009
ENSG00000070770	CSNK2A2	122.46	113.1	-1.08	0.006382097	0.016197013
ENSG00000113282	CLINT1	98.78	91.77	-1.08	0.01371996	0.027101368
ENSG00000116560	SFPQ	604.48	560.38	-1.08	0.004078086	0.011787515
ENSG00000123562	MORF4L2	1199.22	1112.27	-1.08	0.023325615	0.039733876

ENSG00000134308	YWHAQ	460.5	424.44	-1.08	0.020844609	0.036857763
ENSG00000134440	NARS	98.39	91.45	-1.08	0.000512615	0.003430228
ENSG00000134686	PHC2	135.16	125.43	-1.08	0.00643635	0.016288486
ENSG00000134748	PRPF38A	93.1	86.34	-1.08	0.018136976	0.033153307
ENSG00000136527	TRA2B	382.77	354.16	-1.08	0.003472406	0.010620738
ENSG00000137312	FLOT1	198.39	183.94	-1.08	0.018991362	0.034274437
ENSG00000141580	WDR45B	197.9	183.49	-1.08	0.018965567	0.034240968
ENSG00000154473	BUB3	148.63	138.26	-1.08	0.017188578	0.031871297
ENSG00000156471	PTDSS1	113.26	104.63	-1.08	0.004562612	0.012668559
ENSG00000166197	NOLC1	257.13	238.35	-1.08	0.002199186	0.007977537
ENSG00000182512	GLRX5	145.88	135.06	-1.08	0.006753484	0.01675839
ENSG00000259051	HNRNPUP1	204.5	189.18	-1.08	0.007890329	0.018512681
ENSG00000087460	GNAS	3316.37	3102.45	-1.07	0.001416642	0.00608742
ENSG00000111786	SRSF9	215.41	200.83	-1.07	0.02737555	0.04473854
ENSG00000113712	CSNK1A1	180.59	169.07	-1.07	0.006944878	0.017101491
ENSG00000113732	ATP6V0E1	175.52	164.06	-1.07	0.010930917	0.023255281
ENSG00000115053	NCL	2611.07	2440.64	-1.07	0.016937124	0.031481322
ENSG00000117395	EBNA1BP2	138.83	129.26	-1.07	0.011929941	0.024593288
ENSG00000124831	LRRFIP1	89.55	83.91	-1.07	0.019677389	0.035203147
ENSG00000129083	COPB1	141.92	132.34	-1.07	0.003478201	0.01062347
ENSG00000140105	WARS	155.89	145.07	-1.07	0.017215474	0.031885757
ENSG00000143870	PDIA6	324.54	302.06	-1.07	0.015337893	0.029328288
ENSG00000155380	SLC16A1	97.1	90.63	-1.07	0.019525905	0.034985147
ENSG00000160087	UBE2J2	140.95	131.2	-1.07	0.018363506	0.033473887
ENSG00000166508	MCM7	443.34	414.95	-1.07	0.008852341	0.020081463
ENSG00000175093	SPSB4	77.68	72.66	-1.07	0.002208024	0.007991187
ENSG00000175183	CSRP2	143.19	133.31	-1.07	0.006439036	0.016288486
ENSG00000249565	SERBP1P5	103.66	96.68	-1.07	0.004481091	0.01249362



ENSG00000101158	NELFCD	314.49	296.99	-1.06	0.027382469	0.04473854
ENSG00000101361	NOP56	566.32	532.55	-1.06	0.031676281	0.049819206
ENSG00000108561	C1QBP	336.28	316.44	-1.06	0.008019068	0.018734254
ENSG00000109971	HSPA8	1665.27	1566.22	-1.06	0.017032644	0.031596691
ENSG00000140391	TSPAN3	389.52	368.38	-1.06	0.011603397	0.024227606
ENSG00000160679	CHTOP	103.08	97.24	-1.06	0.031722574	0.049875405
ENSG00000108946	PRKAR1A	336.47	320.47	-1.05	0.025014508	0.041844667
ENSG00000148773	MKI67	114.28	108.84	-1.05	0.010950923	0.023287352
ENSG00000236603	RANP1	282.63	271.3	-1.04	0.024766913	0.041490084
ENSG00000070756	PABPC1	2504.42	2422.02	-1.03	0.014345629	0.027960497
ENSG00000175216	CKAP5	208.72	216.93	1.04	0.021630204	0.037892972
ENSG00000105058	FAM32A	122.42	128.25	1.05	0.010751427	0.022976918
ENSG00000113140	SPARC	2269.18	2392.4	1.05	0.013919121	0.027369122
ENSG00000197746	PSAP	301.59	318.16	1.05	0.022125846	0.038483049
ENSG00000213860	RPL21P75	114.97	120.44	1.05	0.030659054	0.048562208
ENSG00000270647	TAF15	205.75	215.71	1.05	0.001153502	0.005426974
ENSG00000124226	RNF114	109.63	116.7	1.06	0.00268954	0.009105878
ENSG00000141698	NT5C3B	146.85	155.33	1.06	0.026007923	0.043069923
ENSG00000143321	HDGF	556.48	589.5	1.06	0.008886009	0.020116369
ENSG00000144028	SNRNP200	254.03	268.28	1.06	0.022901761	0.039275605
ENSG00000179218	CALR	945.93	998.94	1.06	0.002118777	0.007787537
ENSG00000197043	ANXA6	527.06	559.18	1.06	0.014206474	0.027841153
ENSG00000198176	TFDP1	154.65	164.05	1.06	0.017557008	0.032340776
ENSG00000086504	MRPL28	117.31	125.81	1.07	0.009275873	0.020743347
ENSG00000106153	CHCHD2	761.92	815.75	1.07	0.02625053	0.043365251
ENSG00000138069	RAB1A	191.65	204.14	1.07	0.024546743	0.041213747
ENSG00000163950	SLBP	169.39	181.71	1.07	0.020909076	0.036944843
ENSG00000166908	PIP4K2C	153.19	163.97	1.07	2.02E-05	0.000888107

ENSG00000168288	MMADHC	93.36	99.98	1.07	0.029068763	0.046777433
ENSG00000176974	SHMT1	94.25	100.93	1.07	0.000268687	0.002463091
ENSG00000215021	PHB2	374.36	398.78	1.07	0.00085113	0.004542244
ENSG00000232888	RPS11P5	1282.01	1375.67	1.07	0.030235536	0.048130245
ENSG00000242071	RPL7AP6	1017.85	1091.77	1.07	0.031081047	0.049062762
ENSG00000089685	BIRC5	206.2	222.66	1.08	0.012556121	0.025451743
ENSG00000091640	SPAG7	80.41	86.59	1.08	0.005702843	0.01488918
ENSG00000106803	SEC61B	265.56	285.99	1.08	0.03179347	0.049937
ENSG00000112695	COX7A2	675.65	732.6	1.08	0.029930691	0.047741525
ENSG00000113719	ERGIC1	64.19	69.35	1.08	0.001619908	0.006652891
ENSG00000115310	RTN4	294.1	318.32	1.08	0.018568174	0.033742781
ENSG00000117362	APH1A	110.99	119.93	1.08	0.016116264	0.030361833
ENSG00000117592	PRDX6	380.9	409.89	1.08	0.010319689	0.022296382
ENSG00000118816	CCNI	566.46	612.46	1.08	0.007167158	0.017451333
ENSG00000125743	SNRPD2	841.67	912.37	1.08	0.022283908	0.038654111
ENSG00000142534	RPS11	3201.23	3460.67	1.08	0.02607651	0.04316837
ENSG00000143420	ENSA	126.88	136.56	1.08	0.012764678	0.025763921
ENSG00000143570	SLC39A1	107.68	116.54	1.08	0.012685562	0.025648078
ENSG00000162878	PKDCC	605	655.11	1.08	0.010727318	0.022966964
ENSG00000165792	METTL17	69.35	74.83	1.08	0.023447058	0.039863374
ENSG00000168028	RPSA	545.06	591.15	1.08	0.001814445	0.00708804
ENSG00000175886	RPL7AP66	304.47	329.1	1.08	0.02269734	0.039034726
ENSG00000196396	PTPN1	62.65	67.78	1.08	0.013873902	0.027325454
ENSG00000198467	TPM2	738.77	800.03	1.08	0.026151624	0.043259998
ENSG00000198727	MT-CYB	6967.75	7535.77	1.08	0.021764719	0.038086242
ENSG00000225093	RPL3P7	119.41	128.68	1.08	0.005131867	0.013771483
ENSG00000225573	RPL35P5	644.67	693.41	1.08	0.010197395	0.022082666
ENSG00000243504	RPS23P1	129.97	140.99	1.08	0.030731735	0.048657722

ENSG00000244754	N4BP2L2	121.61	130.83	1.08	0.004931094	0.013371931
ENSG00000244921	CTB-36O1.7	414.82	448.99	1.08	0.012622733	0.025542918
ENSG00000084652	TXLNA	57.51	62.81	1.09	0.002811447	0.009377446
ENSG00000085662	AKR1B1	279.44	304.43	1.09	0.013629513	0.026979124
ENSG00000090971	NAT14	58.03	63.34	1.09	0.007009535	0.017197939
ENSG00000095139	ARCN1	96.05	104.46	1.09	0.02241342	0.038773875
ENSG00000101181	MTG2	152.74	166.6	1.09	0.026824511	0.044094006
ENSG00000101294	HM13	198.22	215.78	1.09	0.023495558	0.039888398
ENSG00000101365	IDH3B	117.82	128.9	1.09	0.004323839	0.012259818
ENSG00000102103	PQBP1	72.34	78.92	1.09	0.01602297	0.030270596
ENSG00000115307	AUP1	176.39	192.58	1.09	0.014589649	0.028252117
ENSG00000134419	RPS15A	2261.52	2474.17	1.09	0.024190413	0.040774918
ENSG00000145782	ATG12	74.27	80.7	1.09	0.001683359	0.006830329
ENSG00000160075	SSU72	250.31	271.99	1.09	0.002479364	0.008629356
ENSG00000168887	C2orf68	61.63	67.39	1.09	0.00015427	0.001941991
ENSG00000172053	QARS	187.08	203.86	1.09	0.025174663	0.04201411
ENSG00000176986	SEC24C	80.91	88.26	1.09	0.002677614	0.009078183
ENSG00000178952	TUFM	230.09	251.63	1.09	0.010056176	0.021904949
ENSG00000183283	DAZAP2	206.7	225.59	1.09	0.000747343	0.004242431
ENSG00000235552	RPL6P27	1223.55	1331.23	1.09	0.020203696	0.035926979
ENSG00000242327	CTD-2184D3.1	133.48	145.2	1.09	0.022711714	0.039034726
ENSG00000262179	RP1-302G2.5	105.96	115.57	1.09	0.014522713	0.028169559
ENSG00000026025	VIM	1175.8	1292.34	1.1	0.000107575	0.00169706
ENSG00000037241	RPL26L1	70.59	77.72	1.1	0.019638374	0.035159985
ENSG00000072832	CRMP1	143.68	158.68	1.1	0.014335875	0.027960497
ENSG00000085998	POMGNT1	66.72	73.59	1.1	0.01589515	0.030126137
ENSG00000100836	PABPN1	228.68	252.3	1.1	0.018749825	0.034020524
ENSG00000102931	ARL2BP	55.32	60.93	1.1	0.030877202	0.048822573

ENSG00000104341	LAPTM4B	139.19	153.8	1.1	0.010612552	0.022765413
ENSG00000110108	TMEM109	116.81	128.37	1.1	0.000961084	0.004837441
ENSG00000114942	EEF1B2	634.78	701.16	1.1	0.031027435	0.049010895
ENSG00000115392	FANCL	73	80.45	1.1	0.027120147	0.044444293
ENSG00000126088	UROD	106.21	116.66	1.1	0.001936599	0.00733485
ENSG00000133142	TCEAL4	236.92	260.55	1.1	0.018511939	0.033679465
ENSG00000135451	TROAP	117.76	129.04	1.1	0.023360504	0.039744834
ENSG00000136942	RPL35	5135.36	5654.95	1.1	0.01129289	0.023789616
ENSG00000140264	SERF2	962.65	1055.61	1.1	0.030392773	0.048299148
ENSG00000140319	SRP14	382.25	420.04	1.1	0.004754894	0.013033873
ENSG00000140990	NDUFB10	91.42	100.38	1.1	0.003716757	0.011068249
ENSG00000146834	MEPCE	59.43	65.45	1.1	0.001809246	0.00708743
ENSG00000152795	HNRNPDL	414.38	453.76	1.1	0.000952619	0.004822312
ENSG00000159352	PSMD4	265.83	293.56	1.1	0.016481517	0.030862754
ENSG00000159377	PSMB4	257.55	282.76	1.1	0.016264616	0.03054385
ENSG00000161091	MFSD12	65.81	72.12	1.1	0.027949878	0.045394524
ENSG00000169223	LMAN2	214.74	235.57	1.1	0.008731175	0.019940687
ENSG00000169813	HNRNPF	71.5	78.99	1.1	0.002178974	0.00794036
ENSG00000170906	NDUFA3	175.44	192.59	1.1	0.027457363	0.044794862
ENSG00000171867	PRNP	59.42	65.17	1.1	0.009015083	0.020339078
ENSG00000179933	C14orf119	93.09	102.35	1.1	0.014705607	0.028421933
ENSG00000185359	HGS	140.44	153.94	1.1	0.031836983	0.049972108
ENSG00000214736	TOMM6	279.11	307.5	1.1	0.023679153	0.04009919
ENSG00000221983	UBA52	1407.09	1550.9	1.1	0.010055341	0.021904949
ENSG00000225178	RPSAP58	765.81	843.21	1.1	0.011977419	0.024636805
ENSG00000232176	RP11-146N23.1	137.47	150.68	1.1	0.015368249	0.029342578
ENSG00000232472	EEF1B2P3	466.29	513.05	1.1	0.024436728	0.041087456
ENSG00000248527	MTATP6P1	5588.25	6162.13	1.1	0.020698174	0.036640733

ENSG00000010803	SCMH1	60.3	66.83	1.11	0.000734756	0.004201276
ENSG00000057757	PITHD1	53.22	59.2	1.11	0.023447009	0.039863374
ENSG00000084754	HADHA	153.91	171.02	1.11	0.002267396	0.008094416
ENSG00000089248	ERP29	86.85	96.04	1.11	0.003661932	0.010968478
ENSG00000100225	FBXO7	70.69	78.69	1.11	0.015445371	0.029450339
ENSG00000100401	RANGAP1	84.34	93.49	1.11	0.000558517	0.003618485
ENSG00000100412	ACO2	52.18	57.83	1.11	0.025092381	0.041906405
ENSG00000100442	FKBP3	142.66	158.99	1.11	0.020173016	0.035885934
ENSG00000101166	SLMO2	188.25	209.13	1.11	0.027413747	0.044754624
ENSG00000101825	MXRA5	62.97	69.89	1.11	0.008501898	0.01954113
ENSG00000105135	ILVBL	56.12	62.22	1.11	0.012781605	0.025776055
ENSG00000106305	AIMP2	67.32	74.53	1.11	0.009736035	0.021457441
ENSG00000106636	YKT6	122.07	135.21	1.11	0.010876631	0.023171101
ENSG00000108298	RPL19	2208.12	2452.67	1.11	0.016553451	0.030938643
ENSG00000110958	PTGES3	361.11	401.13	1.11	0.010746351	0.022976918
ENSG00000116729	WLS	79.56	88.36	1.11	0.015948158	0.030189639
ENSG00000118363	SPCS2	52.45	58.34	1.11	0.029966932	0.047767067
ENSG00000119421	NDUFA8	173.89	193.15	1.11	0.023767383	0.0401622
ENSG00000120686	UFM1	53.72	59.54	1.11	0.024327658	0.0409478
ENSG00000121579	NAA50	187.41	208.83	1.11	0.000723808	0.004158813
ENSG00000123159	GIPC1	108.76	120.87	1.11	0.030816631	0.048743118
ENSG00000127952	STYXL1	83.01	92.39	1.11	0.027840082	0.045275369
ENSG00000130810	PPAN	62.32	69.05	1.11	0.029864837	0.047694858
ENSG00000131469	RPL27	2391.02	2658.36	1.11	0.022542332	0.038895999
ENSG00000131844	MCCC2	52.89	58.74	1.11	0.005874464	0.015227824
ENSG00000133316	WDR74	69.91	77.54	1.11	0.023783513	0.040175083
ENSG00000133318	RTN3	52.17	57.87	1.11	0.030940435	0.048889821
ENSG00000136146	MED4	79.75	88.59	1.11	0.003977728	0.011601349

ENSG00000137207	YIPF3	75.99	84.24	1.11	0.014171341	0.027792872
ENSG00000138674	SEC31A	148.31	164.8	1.11	0.001809038	0.00708743
ENSG00000142657	PGD	296.53	328.86	1.11	0.007777045	0.018356314
ENSG00000143727	ACP1	164	182.1	1.11	0.006020907	0.015471569
ENSG00000145861	C1QTNF2	52.01	57.52	1.11	0.022612829	0.03896489
ENSG00000148396	SEC16A	58.72	65.07	1.11	0.008842825	0.020079164
ENSG00000156482	RPL30	3107.53	3464.04	1.11	0.013023072	0.026173603
ENSG00000158526	TSR2	50.39	55.77	1.11	0.002281568	0.008126581
ENSG00000165280	VCP	337.62	376.24	1.11	0.003982832	0.011604513
ENSG00000166295	ANAPC16	79.69	88.28	1.11	0.025036873	0.041844667
ENSG00000167315	ACAA2	133.44	148.66	1.11	0.013285525	0.026531915
ENSG00000168090	COPS6	222.92	246.64	1.11	0.00445999	0.012464219
ENSG00000170315	UBB	3068.27	3394.21	1.11	0.007297619	0.017640261
ENSG00000175203	DCTN2	151.81	168.33	1.11	0.013305796	0.026538545
ENSG00000178464	CTD-2192J16.15	814.72	904.89	1.11	0.007085561	0.017315188
ENSG00000184900	SUMO3	105.16	117.09	1.11	0.031550717	0.049704482
ENSG00000196535	MYO18A	288.02	320.78	1.11	0.014370448	0.027983279
ENSG00000198356	ASNA1	107.26	119.58	1.11	0.013292534	0.026531915
ENSG00000198938	MT-CO3	18700.97	20735.57	1.11	0.016998383	0.031557926
ENSG00000213178	RP11-641D5.1	1962.55	2180.56	1.11	0.021852048	0.03818729
ENSG00000213569	RP13-383K5.4	52.09	57.59	1.11	0.008460972	0.019475341
ENSG00000213593	TMX2	100.54	111.29	1.11	0.001509827	0.006362036
ENSG00000224631	RP11-51O6.1	1140.44	1261.65	1.11	0.012279649	0.025074269
ENSG00000224877	C17orf89	283.91	314.06	1.11	0.02565436	0.042588943
ENSG00000226950	DANCR	395.64	440.71	1.11	0.016219526	0.030495549
ENSG00000228205	RP11-778D9.4	450.61	502.41	1.11	0.01515519	0.029035231
ENSG00000234851	RPL23AP42	2676.63	2976.48	1.11	0.011913228	0.02459186
ENSG00000243746	EEF1A1P10	66.87	74.2	1.11	0.00655673	0.016480808

ENSG00000062582	MRPS24	168.29	187.95	1.12	0.009379086	0.020875318
ENSG00000103353	UBFD1	44.01	49.51	1.12	0.026375728	0.043526402
ENSG00000112308	C6orf62	58.37	65.6	1.12	0.024605736	0.041283443
ENSG00000112759	SLC29A1	81.05	90.91	1.12	0.002585526	0.008842462
ENSG00000116251	RPL22	1144.09	1277.59	1.12	0.005301268	0.014051855
ENSG00000116670	MAD2L2	152.22	171.13	1.12	0.018149759	0.033161049
ENSG00000117523	PRRC2C	65.01	72.63	1.12	0.008420924	0.019438917
ENSG00000119760	SUPT7L	74.86	83.88	1.12	0.000928845	0.004760142
ENSG00000120509	PDZD11	87.43	98.18	1.12	0.00845321	0.019475341
ENSG00000122218	COPA	96.2	107.91	1.12	0.025418726	0.042272057
ENSG00000122406	RPL5	1349.2	1514.38	1.12	0.016858327	0.031359543
ENSG00000129562	DAD1	282.28	315.37	1.12	0.002162784	0.007906212
ENSG00000132842	AP3B1	48.94	54.61	1.12	0.003957164	0.011586909
ENSG00000134825	TMEM258	160.35	180.15	1.12	0.011204553	0.023698657
ENSG00000137970	RPL7P9	743.88	829.5	1.12	0.024995774	0.04183382
ENSG00000140259	MFAP1	61.27	68.35	1.12	0.00637377	0.016193284
ENSG00000143575	HAX1	67.72	75.53	1.12	0.02752299	0.044870929
ENSG00000143811	PYCR2	84.37	94.31	1.12	0.002472255	0.008617314
ENSG00000144567	FAM134A	52.96	59.11	1.12	0.004463114	0.012465575
ENSG00000145592	RPL37	7068.28	7898.75	1.12	0.006855851	0.016926389
ENSG00000152102	FAM168B	98.43	110.47	1.12	0.003972968	0.011601349
ENSG00000153944	MSI2	50.87	56.81	1.12	0.003058195	0.009854722
ENSG00000169714	CNBP	492.82	550.57	1.12	0.011885178	0.024576924
ENSG00000169957	ZNF768	70.19	78.75	1.12	0.024829471	0.041570221
ENSG00000170275	CRTAP	75.03	84.14	1.12	0.005155498	0.013811354
ENSG00000172432	GTPBP2	62.39	69.79	1.12	0.013775393	0.02716542
ENSG00000181026	AEN	56.28	62.76	1.12	0.007336234	0.017705179
ENSG00000181991	MRPS11	83.31	93.39	1.12	0.003793066	0.011238804

ENSG00000182180	MRPS16	120.64	135.09	1.12	0.012774968	0.025773675
ENSG00000198034	RPS4X	2615.01	2917.35	1.12	0.010064311	0.021904949
ENSG00000213018	AL590762.11	76.62	85.93	1.12	0.030284464	0.048175656
ENSG00000214612	RPS19P1	620.58	693.71	1.12	0.03089123	0.048828406
ENSG00000219451	AC005251.3	479.14	534.53	1.12	0.001279917	0.005740786
ENSG00000227615	RP11-864N7.2	1654.96	1856.43	1.12	0.029467628	0.047226198
ENSG00000233276	GPX1	974.6	1089.45	1.12	0.02668114	0.043953618
ENSG00000255717	SNHG1	314.86	353.68	1.12	0.01653644	0.030931329
ENSG00000279117	CTD-2562J17.6	120.33	134.42	1.12	0.011134427	0.023592597
ENSG00000014919	COX15	42.59	48.11	1.13	0.006360986	0.016178211
ENSG00000018610	CXorf56	45.02	50.95	1.13	0.004069817	0.011770817
ENSG00000068745	IP6K2	101.59	114.59	1.13	0.001159026	0.005431339
ENSG00000068903	SIRT2	57.79	65.03	1.13	0.011490833	0.024056385
ENSG00000072849	DERL2	76.83	87.15	1.13	0.004394271	0.012351883
ENSG00000076248	UNG	100.24	113.49	1.13	0.008024433	0.018734254
ENSG00000094631	HDAC6	39.18	44.35	1.13	0.009304483	0.020748382
ENSG00000095059	DHPS	186.39	209.82	1.13	0.013318742	0.026551733
ENSG00000100219	XBP1	54.58	61.83	1.13	0.0043497	0.012286862
ENSG00000107130	NCS1	75.57	85.76	1.13	0.029240828	0.046942363
ENSG00000111667	USP5	72.02	81.15	1.13	0.011151153	0.023617442
ENSG00000112306	RPS12	1309.7	1481.1	1.13	0.021576948	0.037827737
ENSG00000113141	IK	72.49	82.16	1.13	0.028482114	0.046021562
ENSG00000115204	MPV17	95.9	108.48	1.13	0.012543461	0.025447923
ENSG00000116455	WDR77	73.86	83.24	1.13	0.012034144	0.024709131
ENSG00000123472	ATPAF1	54.98	62.03	1.13	0.009088304	0.020447443
ENSG00000126767	ELK1	48.36	54.46	1.13	0.018334201	0.033433372
ENSG00000129518	EAPP	45.02	50.86	1.13	0.016228386	0.030500067
ENSG00000129625	REEP5	55.06	62.06	1.13	0.030439008	0.048356352



ENSG00000136271	DDX56	122.26	138.01	1.13	0.002999622	0.009743613
ENSG00000136451	VEZF1	50.7	57.34	1.13	0.005127298	0.013767043
ENSG00000139239	RPL14P1	764.81	865.14	1.13	0.001897626	0.007240428
ENSG00000147677	EIF3H	401.14	453.76	1.13	0.004292073	0.01221179
ENSG00000152556	PFKM	70.28	79.68	1.13	0.007080769	0.017315188
ENSG00000155876	RRAGA	60.97	69	1.13	0.000406199	0.003061257
ENSG00000158864	NDUFS2	86.26	97.44	1.13	0.003252899	0.010193525
ENSG00000159348	CYB5R1	76.96	86.66	1.13	0.001383961	0.006007875
ENSG00000160294	MCM3AP	51.87	58.83	1.13	0.019012977	0.034287244
ENSG00000164190	NIPBL	64.4	72.45	1.13	0.014236528	0.027876916
ENSG00000167110	GOLGA2	90.91	102.52	1.13	0.014226514	0.027868861
ENSG00000167130	DOLPP1	47.29	53.6	1.13	0.00959588	0.021237741
ENSG00000167548	KMT2D	73.65	82.97	1.13	0.010832745	0.023123617
ENSG00000167792	NDUFV1	120.41	136.16	1.13	0.028830102	0.04647255
ENSG00000168389	MFSD2A	53.44	60.29	1.13	0.018403713	0.033521302
ENSG00000170089	RP11-423H2.1	44.03	49.94	1.13	0.000128447	0.001779043
ENSG00000178715	RP11-169K16.8	260.57	294.82	1.13	0.03173524	0.049878715
ENSG00000182533	CAV3	79.96	90.74	1.13	0.007650457	0.018150274
ENSG00000204628	GNB2L1	5094.37	5737.3	1.13	0.007298605	0.017640261
ENSG00000218426	RP11-475C16.1	1673.56	1887.06	1.13	0.017291904	0.031977159
ENSG00000223803	RPS20P14	515.04	581.88	1.13	0.014104239	0.027698263
ENSG00000234882	EIF3EP1	106.52	120.86	1.13	0.014389977	0.027983279
ENSG00000241685	ARPC1A	142.59	161.11	1.13	0.027793843	0.045234431
ENSG00000253352	TUG1	58.68	66.07	1.13	0.011412614	0.023924446
ENSG00000012660	ELOVL5	54.78	62.53	1.14	0.003889808	0.011439198
ENSG00000025770	NCAPH2	82.64	94.16	1.14	0.022335664	0.038712418
ENSG00000071082	RPL31	3031.6	3453.18	1.14	0.011192115	0.023682957
ENSG00000082014	SMARCD3	118.47	134.92	1.14	0.030508762	0.048434582

ENSG00000094880	CDC23	72.09	82.4	1.14	0.008086682	0.018833036
ENSG00000100029	PES1	83.77	95.78	1.14	0.022144174	0.038493535
ENSG00000102882	MAPK3	75.89	86.49	1.14	0.013250502	0.026506617
ENSG00000105173	CCNE1	60.19	68.52	1.14	0.003661564	0.010968478
ENSG00000105220	GPI	184.47	210.6	1.14	0.019440902	0.034899042
ENSG00000105372	RPS19	4406.53	5035.26	1.14	0.021166107	0.037245725
ENSG00000106268	NUDT1	115.5	131.3	1.14	0.023346907	0.039744757
ENSG00000109919	MTCH2	166.46	190.53	1.14	0.007818089	0.018416375
ENSG00000110442	COMMD9	106.55	121.35	1.14	0.007955597	0.018628797
ENSG00000116221	MRPL37	95.67	109.16	1.14	0.002725111	0.009167164
ENSG00000116649	SRM	197.41	225.55	1.14	0.028331383	0.045826416
ENSG00000117360	PRPF3	63.26	71.9	1.14	0.008270945	0.01914886
ENSG00000122026	RPL21	115.71	132.25	1.14	0.001635634	0.006694074
ENSG00000128694	OSGEPL1	42.64	48.57	1.14	0.002636231	0.008970402
ENSG00000132768	DPH2	55.43	63.28	1.14	0.007801004	0.01839448
ENSG00000137076	TLN1	142.65	162.17	1.14	0.012318373	0.025120758
ENSG00000137404	NRM	58.51	66.8	1.14	0.007621001	0.018123862
ENSG00000140299	BNIP2	59.37	67.94	1.14	0.012692462	0.025651048
ENSG00000140988	RPS2	2789.89	3188.4	1.14	0.003788094	0.011231115
ENSG00000144381	HSPD1	669.42	765.96	1.14	0.001991673	0.007471541
ENSG00000145741	BTF3	969.48	1105.04	1.14	0.015406667	0.029400277
ENSG00000148700	ADD3	39.34	44.84	1.14	0.022285654	0.038654111
ENSG00000149273	RPS3	4581.7	5232.72	1.14	0.009874453	0.02163128
ENSG00000154640	BTG3	70.12	80.16	1.14	0.007745798	0.018300852
ENSG00000159199	ATP5G1	463.03	526.77	1.14	0.022860245	0.03924716
ENSG00000166794	PPIB	587.38	667.44	1.14	0.008184408	0.019013753
ENSG00000170779	CDCA4	88.69	101.38	1.14	0.004800459	0.01311311
ENSG00000170889	RPS9	1461.36	1662.87	1.14	0.007932153	0.01859414

ENSG00000173113	TRMT112	247.96	282.66	1.14	0.009482639	0.021066878
ENSG00000177556	ATOX1	155.75	177.48	1.14	0.017006901	0.031561334
ENSG00000177628	GBA	62.02	70.77	1.14	0.023813624	0.040211565
ENSG00000182774	RPS17	3168.3	3615.67	1.14	0.022705319	0.039034726
ENSG00000182827	ACBD3	42.91	48.76	1.14	0.027913382	0.045350844
ENSG00000183978	COA3	123.76	140.89	1.14	0.017458316	0.032196653
ENSG00000186468	RPS23	4992.29	5679.19	1.14	0.029398753	0.047147814
ENSG00000204438	GPANK1	40.82	46.34	1.14	0.013326332	0.026551733
ENSG00000240376	RP11-36C20.1	454.82	516.51	1.14	0.000403636	0.003060101
ENSG00000240682	ISY1	84.86	97.09	1.14	0.011764684	0.024402548
ENSG00000240849	TMEM189	78.23	88.95	1.14	0.013369728	0.026583269
ENSG00000006695	COX10	49.76	57.18	1.15	0.005226083	0.01394508
ENSG00000041988	THAP3	42.92	49.32	1.15	0.015735827	0.029893385
ENSG00000062194	GPBP1	63.36	72.56	1.15	0.01234871	0.025139206
ENSG00000063046	EIF4B	138.05	159.02	1.15	0.001811249	0.00708743
ENSG00000066117	SMARCD1	138.16	158.91	1.15	0.013061506	0.026228526
ENSG00000069998	CECR5	61.2	70.22	1.15	0.007410161	0.01780223
ENSG00000072134	EPN2	44.12	50.54	1.15	0.010611881	0.022765413
ENSG00000089220	PEBP1	256.41	293.93	1.15	0.000924649	0.004746865
ENSG00000093144	ECHDC1	104.07	119.34	1.15	0.023281657	0.039710822
ENSG00000104853	CLPTM1	66.42	76.4	1.15	0.006951197	0.017108131
ENSG00000106399	RPA3	151.18	173.61	1.15	0.012147851	0.02485081
ENSG00000106992	AK1	101.07	116.26	1.15	0.024304556	0.0409235
ENSG00000120647	CCDC77	42.1	48.53	1.15	0.024668074	0.041373336
ENSG00000121900	TMEM54	42.15	48.51	1.15	0.023206572	0.039707275
ENSG00000124380	SNRNP27	62.29	71.9	1.15	0.005583455	0.014634105
ENSG00000125691	RPL23	4235.21	4863.51	1.15	0.006690467	0.016656034
ENSG00000125970	RALY	271.86	312.87	1.15	0.00234188	0.008272773

ENSG00000127054	CPSF3L	88.5	102.08	1.15	0.005174938	0.013839881
ENSG00000131238	PPT1	201.92	231.72	1.15	0.013571867	0.026898836
ENSG00000132128	LRRC41	90.38	104.26	1.15	0.013271192	0.026531915
ENSG00000136247	ZDHHC4	81.28	93.41	1.15	0.007445038	0.01783547
ENSG00000136925	TSTD2	39.17	45.04	1.15	0.020627722	0.036529708
ENSG00000137106	GRHPR	60.06	68.96	1.15	0.000932037	0.004760142
ENSG00000137154	RPS6	3238.93	3739.28	1.15	0.002230494	0.008014497
ENSG00000137200	CMTR1	34.97	40.38	1.15	0.001160299	0.005431339
ENSG00000138279	ANXA7	85.22	97.99	1.15	0.0007178	0.004144461
ENSG00000139620	KANSL2	60.67	69.53	1.15	0.023328824	0.039733876
ENSG00000140521	POLG	60.3	69.3	1.15	0.011106972	0.023555559
ENSG00000142676	RPL11	3453.23	3976.53	1.15	0.003474283	0.010620738
ENSG00000143013	LMO4	61.81	70.83	1.15	0.008391531	0.019387302
ENSG00000143368	SF3B4	102.69	118.11	1.15	0.003157346	0.010022403
ENSG00000144366	GULP1	43.9	50.38	1.15	0.008461444	0.019475341
ENSG00000145740	SLC30A5	50.4	58.14	1.15	0.029810689	0.047672307
ENSG00000147604	RPL7	246.36	282.55	1.15	0.026159338	0.043259998
ENSG00000147684	NDUFB9	119.94	138.03	1.15	0.014346466	0.027960497
ENSG00000161956	SENP3	80.67	92.78	1.15	0.015367431	0.029342578
ENSG00000161981	SNRNP25	71.31	82.36	1.15	0.002336363	0.008259462
ENSG00000166260	COX11	56.4	64.7	1.15	0.005135235	0.013772694
ENSG00000166441	RPL27A	1718.62	1968.01	1.15	0.021067874	0.037128198
ENSG00000171928	TVP23B	51.9	59.76	1.15	0.021884468	0.03821913
ENSG00000173918	C1QTNF1	48.94	56.36	1.15	0.017882596	0.032761638
ENSG00000178982	EIF3K	275.92	317.62	1.15	0.001134897	0.005365482
ENSG00000178988	MRFAP1L1	113.88	130.67	1.15	0.013078888	0.026252268
ENSG00000180211	RP1-278E11.3	657.32	753.58	1.15	0.001980058	0.007451643
ENSG00000188938	FAM120AOS	39.48	45.38	1.15	0.000936235	0.004764913

ENSG00000215030	RPL13P12	1774.07	2041.78	1.15	0.010196461	0.022082666
ENSG00000220793	RPL21P119	87.28	100.76	1.15	0.002229872	0.008014497
ENSG00000226098	SEC11B	54.92	63.25	1.15	0.031815498	0.049954986
ENSG00000228929	RPS13P2	1391.62	1602.03	1.15	0.002526358	0.008722573
ENSG00000230629	RPS23P8	1365.47	1575.81	1.15	0.009939739	0.021746404
ENSG00000231500	RPS18	3056.8	3530.14	1.15	0.01211785	0.024829765
ENSG00000232573	RPL3P4	3018.66	3465.4	1.15	0.004631681	0.012777703
ENSG00000233016	SNHG7	94.52	109.16	1.15	0.02737997	0.04473854
ENSG00000233913	CTC-575D19.1	259.12	297.44	1.15	0.023483288	0.039881902
ENSG00000234797	RPS3AP6	1072.24	1228.29	1.15	0.018882483	0.034143173
ENSG00000242299	RP11-234A1.1	2364.47	2729.69	1.15	0.00589604	0.015258629
ENSG00000243317	C7orf73	39.57	45.66	1.15	0.002393306	0.008397909
ENSG00000064601	CTSA	154.59	179.06	1.16	0.003281956	0.010211251
ENSG00000082516	GEMIN5	38.64	44.63	1.16	0.005301801	0.014051855
ENSG00000100129	EIF3L	588.06	679.53	1.16	0.018558388	0.033737979
ENSG00000100316	RPL3	3058.19	3558.73	1.16	0.004169322	0.011975074
ENSG00000107874	CUEDC2	209.25	242.75	1.16	0.017680725	0.032530606
ENSG00000112651	MRPL2	81.19	94.31	1.16	0.022475224	0.038821471
ENSG00000120697	ALG5	41.88	48.47	1.16	0.026802079	0.044075982
ENSG00000124562	SNRPC	208.21	242.36	1.16	0.030327813	0.048228371
ENSG00000125744	RTN2	72.8	84.13	1.16	0.021854805	0.03818729
ENSG00000135972	MRPS9	55.01	63.83	1.16	0.013765785	0.02716542
ENSG00000136280	CCM2	32.58	37.79	1.16	0.012370246	0.025172198
ENSG00000147403	RPL10	1881.98	2188.53	1.16	2.47E-05	0.000943991
ENSG00000148450	MSRB2	49.9	57.96	1.16	0.002295022	0.008162192
ENSG00000149792	MRPL49	57.24	66.67	1.16	0.002906066	0.009524879
ENSG00000152904	GGPS1	40.97	47.51	1.16	0.000250216	0.002398747
ENSG00000156171	DRAM2	38.59	44.87	1.16	0.003774348	0.011197392

ENSG00000163348	PYGO2	36.96	42.85	1.16	0.005612797	0.01470285
ENSG00000165917	RAPSN	131.95	153.08	1.16	0.017976921	0.032896163
ENSG00000166833	NAV2	73.09	85.03	1.16	0.020851989	0.036857763
ENSG00000167862	ICT1	36.2	42.17	1.16	0.01775677	0.03261969
ENSG00000167977	KCTD5	39.16	45.29	1.16	0.00089246	0.004654966
ENSG00000173914	RBM4B	36.01	41.7	1.16	0.02248078	0.038821471
ENSG00000175197	DDIT3	162.36	187.61	1.16	0.00312851	0.00998375
ENSG00000176087	SLC35A4	99.41	115.07	1.16	0.012829054	0.025840448
ENSG00000176340	COX8A	701.88	816.97	1.16	0.029685195	0.047510394
ENSG00000178429	RPS3AP5	118.78	137.58	1.16	0.025453973	0.042315774
ENSG00000178741	COX5A	369.35	427.81	1.16	0.012154429	0.02485081
ENSG00000183520	UTP11L	55.73	64.73	1.16	0.001882268	0.007223815
ENSG00000183963	SMTN	49.85	57.89	1.16	0.019404916	0.034860943
ENSG00000184787	UBE2G2	99	114.55	1.16	0.015466181	0.029466225
ENSG00000189067	LITAF	52.06	60.35	1.16	0.008215091	0.019066278
ENSG00000189241	TSPYL1	43.05	50.08	1.16	0.001582844	0.006552714
ENSG00000197912	SPG7	141.17	164.02	1.16	0.011730783	0.024364331
ENSG00000213614	HEXA	78.81	91.15	1.16	0.006061897	0.015559966
ENSG00000214046	SMIM7	113.88	132.35	1.16	0.002623965	0.008935101
ENSG00000220583	RPL35P2	205.53	238.87	1.16	0.003834169	0.011317987
ENSG00000223877	RP11-2F9.3	187.08	217.55	1.16	0.008525787	0.019575737
ENSG00000225826	LINC00626	87.39	101.39	1.16	0.007228626	0.017573545
ENSG00000237190	CDKN2AIPNL	40.79	47.43	1.16	0.006826825	0.016890043
ENSG00000241258	CRCP	36	41.64	1.16	0.007518823	0.017971357
ENSG00000255302	EID1	229.81	265.54	1.16	0.01353922	0.026845396
ENSG00000258289	CHURC1	34.45	39.83	1.16	0.022248069	0.038631481
ENSG00000259079	RP1-261D10.1	39.67	45.83	1.16	0.016977359	0.031531289
ENSG00000266472	MRPS21	47.18	54.86	1.16	4.41E-05	0.001201671

ENSG0000008441	NFIX	31.97	37.51	1.17	0.027550405	0.044884636
ENSG00000051596	THOC3	62.68	73.16	1.17	0.010164749	0.022057441
ENSG00000088038	CNOT3	55	64.58	1.17	0.018774251	0.034051763
ENSG00000096080	MRPS18A	69.98	81.74	1.17	0.004814598	0.013144413
ENSG00000103549	RNF40	116.29	136.3	1.17	0.00220478	0.007985742
ENSG00000109084	TMEM97	168.21	196.4	1.17	0.00078842	0.004365428
ENSG00000111012	CYP27B1	143.36	168.35	1.17	0.02667419	0.043953618
ENSG00000116679	IVNS1ABP	55.75	65.21	1.17	0.027081915	0.044397044
ENSG00000116922	C1orf109	68.82	80.54	1.17	0.014418446	0.028024
ENSG00000119640	ACYP1	47.31	55.31	1.17	0.007760515	0.018326455
ENSG00000125991	ERGIC3	328.25	385.5	1.17	0.014113506	0.027704941
ENSG00000132680	KIAA0907	47.49	55.37	1.17	0.005091958	0.013711129
ENSG00000135441	BLOC1S1	124.92	145.68	1.17	0.004195863	0.012032215
ENSG00000137288	UQCC2	150.84	176.4	1.17	0.013352679	0.026564744
ENSG00000141858	SAMD1	130.4	152.14	1.17	0.014322625	0.027960497
ENSG00000142541	RPL13A	663.21	777.96	1.17	0.001124468	0.005327925
ENSG00000148300	REXO4	49.33	57.65	1.17	0.003650776	0.010954649
ENSG00000153037	SRP19	98.37	115.49	1.17	0.008884385	0.020116369
ENSG00000158109	TPRG1L	34.12	40.08	1.17	0.012095465	0.024799283
ENSG00000160049	DFFA	61.49	71.97	1.17	0.019850115	0.035445026
ENSG00000162244	RPL29	1361.29	1587.73	1.17	0.002408024	0.008437014
ENSG00000162517	PEF1	80.44	94.12	1.17	0.000164348	0.001990294
ENSG00000162889	MAPKAPK2	89.75	104.97	1.17	0.000437126	0.003169064
ENSG00000163382	APOA1BP	36.07	42.38	1.17	0.024752844	0.041490084
ENSG00000167658	EEF2	2503.62	2932.2	1.17	0.029314611	0.047040648
ENSG00000169976	SF3B5	201.95	236.53	1.17	0.001881607	0.007223815
ENSG00000172301	COPRS	139.57	163.98	1.17	0.004878016	0.013278889
ENSG00000172831	CES2	33.51	39.36	1.17	0.013289169	0.026531915

ENSG00000174574	AKIRIN1	93.94	110.06	1.17	0.000200071	0.00214271
ENSG00000174744	BRMS1	55.6	64.96	1.17	0.001275932	0.005733805
ENSG00000176953	NFATC2IP	49.28	57.61	1.17	0.010140213	0.022029543
ENSG00000177971	IMP3	64.59	75.41	1.17	0.001541267	0.006447656
ENSG00000181523	SGSH	36.71	42.9	1.17	0.029843624	0.047683165
ENSG00000181924	COA4	96.74	112.92	1.17	2.42E-05	0.000936719
ENSG00000183722	LHFP	43.77	51.24	1.17	0.020052709	0.035719849
ENSG00000184076	UQCR10	156.67	182.83	1.17	0.001975194	0.007445203
ENSG00000185482	STAC3	3013.94	3521.84	1.17	0.003329051	0.010310235
ENSG00000189343	RPS2P46	243.23	283.42	1.17	0.009480584	0.021066878
ENSG00000198301	SDAD1	42.08	49.16	1.17	0.000309266	0.002670319
ENSG00000234488	AC096664.1	479.38	558.57	1.17	0.016486709	0.030862754
ENSG00000234608	MAPKAPK5-AS1	38.57	45.08	1.17	0.015226911	0.02915148
ENSG00000240344	PPIL3	37.03	43.24	1.17	0.001888182	0.00722681
ENSG00000253719	ATXN7L3B	38.25	44.67	1.17	0.001800912	0.007082188
ENSG00000258645	HSPE1P2	221.83	258.47	1.17	0.028758591	0.046373105
ENSG00000008988	RPS20	2180.82	2575.71	1.18	0.00862334	0.019732574
ENSG00000025800	KPNA6	29.1	34.42	1.18	0.000333255	0.00277107
ENSG00000054116	TRAPPC3	95.8	112.74	1.18	0.003178524	0.010052695
ENSG00000060971	ACAA1	33.23	39.31	1.18	0.016535665	0.030931329
ENSG00000077235	GTF3C1	136.46	160.94	1.18	0.016679197	0.031099822
ENSG00000083857	FAT1	72.43	85.12	1.18	0.022420379	0.038773875
ENSG00000085449	WDFY1	59.81	70.54	1.18	0.002115535	0.007781675
ENSG00000097033	SH3GLB1	60.8	71.77	1.18	0.00370657	0.011065821
ENSG00000099622	CIRBP	113.5	133.51	1.18	0.007168238	0.017451333
ENSG00000100934	SEC23A	92.78	109.93	1.18	0.031406337	0.049526587
ENSG00000104408	EIF3E	373.99	442.12	1.18	0.004768258	0.013053009
ENSG00000104889	RNASEH2A	102.27	120.54	1.18	0.004226034	0.012104039



ENSG00000105193	RPS16	3736.31	4408.69	1.18	0.002040972	0.00757823
ENSG00000105640	RPL18A	449.6	532.55	1.18	0.009848736	0.021589294
ENSG00000107223	EDF1	556.05	656.03	1.18	0.003144258	0.010006762
ENSG00000108773	KAT2A	46.13	54.23	1.18	0.008443981	0.019463604
ENSG00000111052	LIN7A	31.69	37.27	1.18	0.005198032	0.01388592
ENSG00000111678	C12orf57	233.21	274.56	1.18	0.025357637	0.042215058
ENSG00000112559	MDFI	154.11	181.24	1.18	0.010070564	0.021908463
ENSG00000114544	SLC41A3	34.94	41.35	1.18	0.001352132	0.005930313
ENSG00000115468	EFHD1	39.86	47.07	1.18	0.002537465	0.008747773
ENSG00000116586	LAMTOR2	42.44	50.06	1.18	0.015822892	0.030012658
ENSG00000125826	RBCK1	40	47.25	1.18	0.011316725	0.02380074
ENSG00000128626	MRPS12	67.76	79.98	1.18	0.028316317	0.045826416
ENSG00000129255	MPDU1	63.34	74.44	1.18	0.027204199	0.044535678
ENSG00000129355	CDKN2D	27.31	32.34	1.18	0.007390684	0.017791131
ENSG00000130764	LRRC47	82.69	97.62	1.18	0.000149408	0.001911037
ENSG00000130770	ATPIF1	137.93	162.89	1.18	0.000896244	0.004656725
ENSG00000131652	THOC6	28.92	34.04	1.18	0.007605059	0.018100059
ENSG00000140682	TGFB11	31.02	36.59	1.18	0.005952398	0.015354001
ENSG00000141741	MIEN1	47.21	55.84	1.18	0.012310563	0.025119304
ENSG00000142945	KIF2C	75.88	89.57	1.18	0.000148017	0.001910062
ENSG00000144224	UBXN4	99.54	117.38	1.18	0.000922243	0.004739669
ENSG00000148187	MRRF	46.83	55.07	1.18	0.011753614	0.024390298
ENSG00000161011	SQSTM1	116.81	138.04	1.18	0.023232217	0.039707275
ENSG00000162601	MYSM1	29.26	34.55	1.18	0.02202844	0.038391321
ENSG00000162735	PEX19	58.37	69.04	1.18	0.009776004	0.021489696
ENSG00000164258	NDUFS4	68.95	81.43	1.18	0.007305798	0.017640738
ENSG00000166886	NAB2	61.82	72.88	1.18	0.005678756	0.014850922
ENSG00000167272	POP5	58.28	69.04	1.18	0.016055003	0.030287382

ENSG00000168701	TMEM208	68.45	80.47	1.18	0.017373206	0.032064733
ENSG00000174109	C16orf91	29.57	34.92	1.18	0.023247932	0.039710663
ENSG00000182473	EXOC7	95.06	112.06	1.18	0.014760163	0.028512167
ENSG00000183044	ABAT	68.29	80.52	1.18	0.005315883	0.014081275
ENSG00000184277	TM2D3	55.34	65.33	1.18	0.00027082	0.00247405
ENSG00000186184	POLR1D	196.25	231.82	1.18	0.007961161	0.018632589
ENSG00000196507	TCEAL3	48.87	57.88	1.18	0.013919253	0.027369122
ENSG00000197136	PCNXL3	28.34	33.56	1.18	0.011041136	0.023428737
ENSG00000204272	LINC01420	32.95	38.78	1.18	0.002310802	0.008193631
ENSG00000204316	MRPL38	183.35	216.04	1.18	0.005858955	0.015221037
ENSG00000213741	RPS29	1865.31	2201.36	1.18	0.012512112	0.025428014
ENSG00000218510	LINC00339	44.53	52.44	1.18	0.002228217	0.008014497
ENSG00000224114	RP11-343H5.4	160.55	188.91	1.18	0.011496798	0.024058208
ENSG00000224864	CTC-260E6.2	480.33	567.26	1.18	0.021076565	0.037129659
ENSG00000226084	RP4-706A16.3	187.64	221.62	1.18	0.009547139	0.021159327
ENSG00000236552	RPL13AP5	2452.34	2889.32	1.18	0.006750818	0.01675839
ENSG00000244192	RP11-114H7.1	494.36	582.18	1.18	0.0063795	0.016197013
ENSG00000249915	PDCD6	51.59	61.06	1.18	0.002108573	0.007762113
ENSG00000257698	RP11-620J15.3	396.37	468.25	1.18	0.00587294	0.015227824
ENSG00000004142	POLDIP2	102.42	122.27	1.19	9.00E-05	0.001583918
ENSG00000034152	MAP2K3	55.38	65.96	1.19	0.002025566	0.007532871
ENSG00000063177	RPL18	2478.51	2945.57	1.19	0.004669534	0.012822117
ENSG00000067829	IDH3G	49.04	58.4	1.19	0.005410146	0.014282907
ENSG00000083444	PLOD1	80.37	95.85	1.19	0.015033956	0.028887459
ENSG00000087884	AAMDC	30.98	37.01	1.19	0.001709302	0.006858992
ENSG00000100241	SBF1	100.95	119.97	1.19	0.029439832	0.047197667
ENSG00000100242	SUN2	81.47	97.23	1.19	0.02317613	0.039674108
ENSG00000100865	CINP	46.21	55.16	1.19	0.020823483	0.036848749

ENSG00000103479	RBL2	52.5	62.39	1.19	0.006648152	0.016595784
ENSG00000105197	TIMM50	153.15	181.64	1.19	0.001817344	0.00708804
ENSG00000105393	BABAM1	115.77	137.31	1.19	0.003093195	0.009911235
ENSG00000106245	BUD31	187.55	222.58	1.19	0.002732506	0.009185498
ENSG00000108474	PIGL	31.05	36.92	1.19	0.016548158	0.030938643
ENSG00000110700	RPS13	1748.67	2078.47	1.19	0.009693963	0.021394666
ENSG00000111328	CDK2AP1	377.54	447.47	1.19	0.001819136	0.007088927
ENSG00000114902	SPCS1	90.25	106.98	1.19	0.004043978	0.011717613
ENSG00000118181	RPS25	532.17	632	1.19	0.008429792	0.019449881
ENSG00000121440	PDZRN3	42.46	50.53	1.19	0.018167836	0.033181241
ENSG00000124535	WRNIP1	80.67	95.79	1.19	0.000502098	0.003421387
ENSG00000126756	UXT	145.94	173.08	1.19	0.004391904	0.012351883
ENSG00000134986	NREP	88.42	105.53	1.19	0.010160279	0.022057441
ENSG00000135940	COX5B	143.69	171.25	1.19	0.002074444	0.007666354
ENSG00000139579	NABP2	39.05	46.48	1.19	0.001252542	0.005680234
ENSG00000149639	SOGA1	29.33	34.82	1.19	0.01546618	0.029466225
ENSG00000155463	OXA1L	104.73	124.47	1.19	0.002430962	0.008492183
ENSG00000156873	PHKG2	31.5	37.37	1.19	0.028049402	0.045502014
ENSG00000160211	G6PD	43.78	52.27	1.19	0.000977771	0.004873096
ENSG00000162236	STX5	27.02	32.03	1.19	0.008889025	0.020116369
ENSG00000163468	CCT3	362.49	430.83	1.19	0.000265712	0.002461818
ENSG00000179134	SAMD4B	170.64	203.73	1.19	0.021300921	0.037455044
ENSG00000179222	MAGED1	154.74	184.49	1.19	0.003883967	0.011429269
ENSG00000198755	RPL10A	1137.93	1353.83	1.19	0.00176686	0.006982742
ENSG00000198890	PRMT6	32.7	38.95	1.19	0.000470637	0.003297948
ENSG00000204576	PRR3	33.68	39.95	1.19	0.00122385	0.005641172
ENSG00000214389	RPS3AP26	459.84	548.5	1.19	0.008568984	0.019654981
ENSG00000224870	RP4-758J18.2	28.83	34.4	1.19	0.031162934	0.049159163

ENSG00000226360	RPL10AP6	345.52	409.97	1.19	0.001863746	0.007198771
ENSG00000237493	RP11-603J24.7	75.74	90.17	1.19	0.006760184	0.016760289
ENSG00000254772	EEF1G	1045.58	1243.68	1.19	0.000967092	0.004859124
ENSG00000266173	STRADA	26.89	31.98	1.19	0.01481102	0.028565415
ENSG00000008517	IL32	129.72	155.76	1.2	0.011969797	0.024636805
ENSG00000008838	MED24	68.16	81.98	1.2	0.009034941	0.020359474
ENSG000000085733	CTTN	61.51	73.97	1.2	0.024488544	0.041130652
ENSG000000089250	NOS1	50.4	60.56	1.2	0.007713436	0.018251784
ENSG000000093000	NUP50	31.86	38.31	1.2	0.000277235	0.002507953
ENSG00000102225	CDK16	80.38	96.51	1.2	0.004428571	0.012405778
ENSG00000105518	TMEM205	54.37	65.51	1.2	0.011632848	0.024247904
ENSG00000105700	KXD1	80.41	96.25	1.2	0.022734086	0.039058963
ENSG00000115365	LANCL1	36.85	44.38	1.2	0.000466774	0.003288698
ENSG00000120616	EPC1	28.36	34.12	1.2	0.011277507	0.023776093
ENSG00000135333	EPHA7	42.62	51.17	1.2	5.86E-05	0.001305099
ENSG00000136149	RPL13AP25	273.82	328.39	1.2	0.019829995	0.03542249
ENSG00000139637	C12orf10	43.5	52.4	1.2	0.0023188	0.008209666
ENSG00000140451	PIF1	35.93	43.25	1.2	0.000402118	0.003058298
ENSG00000142937	RPS8	1695.91	2033.57	1.2	0.00237016	0.00833527
ENSG00000152193	RNF219	46.54	56.02	1.2	0.004018839	0.011674201
ENSG00000159713	TPPP3	124.09	148.59	1.2	0.021897304	0.03821913
ENSG00000163257	DCAF16	39.63	47.68	1.2	0.00588742	0.015244674
ENSG00000168743	NPNT	35	42.1	1.2	0.03160997	0.049748047
ENSG00000169592	INO80E	51.79	62.15	1.2	0.008862091	0.02009393
ENSG00000173120	KDM2A	42.71	51.12	1.2	0.00807786	0.018821773
ENSG00000178585	CTNNBIP1	43.41	52.11	1.2	0.016664084	0.031083913
ENSG00000181610	MRPS23	58.7	70.48	1.2	0.008778966	0.01999183
ENSG00000182934	SRPR	52.21	62.75	1.2	0.001303315	0.005798937

ENSG00000184402	SS18L1	50.86	60.98	1.2	0.011684511	0.024318904
ENSG00000198546	ZNF511	49.37	59.35	1.2	0.001228871	0.005645875
ENSG00000212664	RP11-592N21.1	67.09	80.4	1.2	0.008394459	0.019387302
ENSG00000213442	RPL18AP3	2972.87	3555.49	1.2	0.010978532	0.023325059
ENSG00000214113	LYRM4	53.34	63.91	1.2	0.003187557	0.010056668
ENSG00000218739	CEBPZOS	40.97	49.28	1.2	0.011934748	0.024593288
ENSG00000231234	SKP1P1	137.93	165.39	1.2	0.023149339	0.039642613
ENSG00000259956	RBM15B	32.56	39.2	1.2	0.000153159	0.001941991
ENSG00000265681	RPL17	1197.99	1432.24	1.2	0.00226136	0.008094416
ENSG00000280789	PAGR1	30.78	36.81	1.2	0.000144105	0.001885335
ENSG00000003096	KLHL13	42.01	50.86	1.21	0.000337071	0.002773497
ENSG00000011451	WIZ	51.99	63.15	1.21	0.031428826	0.04954551
ENSG00000023697	DERA	31.8	38.4	1.21	0.006657898	0.016611334
ENSG00000036257	CUL3	187.23	226.58	1.21	0.002879687	0.00949111
ENSG00000064490	RFXANK	70.8	85.77	1.21	0.023311368	0.039733876
ENSG00000101464	PIGU	48.21	58.49	1.21	0.005117189	0.01375554
ENSG00000101901	ALG13	97.95	118.99	1.21	0.002291543	0.008155959
ENSG00000105397	TYK2	77.98	94.25	1.21	0.017831638	0.032691855
ENSG00000109270	LAMTOR3	33.25	40.31	1.21	0.028045029	0.045502014
ENSG00000109436	TBC1D9	24.05	29.13	1.21	0.003044124	0.009840793
ENSG00000120860	CCDC53	26.07	31.43	1.21	0.031078734	0.049062762
ENSG00000121073	SLC35B1	101.2	122.44	1.21	0.023281633	0.039710822
ENSG00000125351	UPF3B	60.24	73.04	1.21	4.38E-05	0.001201671
ENSG00000126453	BCL2L12	70.14	84.82	1.21	0.021830243	0.038172617
ENSG00000127125	PPCS	24.37	29.49	1.21	0.007156484	0.017446869
ENSG00000129152	MYOD1	769.69	930.49	1.21	0.025332431	0.042202847
ENSG00000130706	ADRM1	165.15	200.16	1.21	0.024264799	0.04088571
ENSG00000132912	DCTN4	39.37	47.82	1.21	0.000139785	0.00184415

ENSG00000134590	FAM127A	162.75	196.47	1.21	1.51E-05	0.000773231
ENSG00000135924	DNAJB2	37.72	45.54	1.21	0.018030356	0.032981167
ENSG00000138768	USO1	40.71	49.13	1.21	0.022002724	0.038388941
ENSG00000140285	FGF7	51.41	62.04	1.21	0.001089735	0.00522721
ENSG00000143545	RAB13	83.85	101.66	1.21	0.000507062	0.003428111
ENSG00000146066	HIGD2A	191.11	232.04	1.21	0.007878696	0.018494573
ENSG00000148824	MTG1	26.37	31.86	1.21	0.012345174	0.025139206
ENSG00000149115	TNKS1BP1	79.78	96.87	1.21	0.010045822	0.021904949
ENSG00000149823	VPS51	60.98	73.96	1.21	0.003086766	0.009901499
ENSG00000153048	CARHSP1	345.33	419.57	1.21	0.005078109	0.01368857
ENSG00000157911	PEX10	27.4	33.27	1.21	0.000259161	0.002433433
ENSG00000167113	COQ4	32.7	39.63	1.21	0.004366575	0.012290426
ENSG00000171067	C11orf24	41.91	50.64	1.21	0.008163224	0.018973871
ENSG00000171307	ZDHHC16	56.25	68.02	1.21	0.002724376	0.009167164
ENSG00000178035	IMPDH2	205.91	249.28	1.21	0.000134719	0.001812762
ENSG00000182768	NGRN	76.4	92.39	1.21	0.000216512	0.002203854
ENSG00000186185	KIF18B	62.62	76.04	1.21	0.007374387	0.017760953
ENSG00000186654	PRR5	44.3	53.75	1.21	0.003702944	0.011063882
ENSG00000187325	TAF9B	24.02	29.05	1.21	0.018460166	0.033611167
ENSG00000188186	LAMTOR4	131.83	158.94	1.21	0.013296854	0.026531915
ENSG00000189339	SLC35E2B	28.97	34.92	1.21	0.006326433	0.016116365
ENSG00000196104	SPOCK3	41.39	49.88	1.21	0.003973454	0.011601349
ENSG00000204388	HSPA1B	25.65	31.14	1.21	0.004354924	0.012288246
ENSG00000204568	MRPS18B	55.58	67.23	1.21	0.003633416	0.010916428
ENSG00000204673	AKT1S1	58.48	70.84	1.21	0.024068125	0.040583276
ENSG00000225200	AB019441.29	193.05	234.03	1.21	0.010684752	0.022886965
ENSG00000238227	C9orf69	26.53	32.23	1.21	0.009487455	0.021066878
ENSG00000239382	ALKBH6	24.8	30.12	1.21	0.015067896	0.028929135

ENSG00000260032	LINC00657	95.82	115.96	1.21	0.000632092	0.003912671
ENSG00000277998	RP11-452N17.1	274.23	331.42	1.21	0.00314129	0.010004255
ENSG00000047849	MAP4	121.97	149.14	1.22	4.99E-05	0.001257003
ENSG00000076924	XAB2	35.72	43.63	1.22	0.003083722	0.009901031
ENSG00000078725	BRINP1	36.92	45.15	1.22	0.000919092	0.004738236
ENSG00000090487	SPG21	89.36	108.68	1.22	0.001021455	0.00498897
ENSG00000090861	AARS	41.96	51.13	1.22	0.000677476	0.004019745
ENSG00000100023	PPIL2	27.39	33.38	1.22	0.010243967	0.022153047
ENSG00000100711	ZFYVE21	29.81	36.5	1.22	0.022548644	0.038895999
ENSG00000103550	KNOP1	38.29	46.8	1.22	0.004355394	0.012288246
ENSG00000108591	DRG2	100.38	122.25	1.22	0.000812149	0.004438553
ENSG00000115944	COX7A2L	310.17	378.49	1.22	0.002527657	0.008722573
ENSG00000124006	OBSL1	62.9	76.47	1.22	0.010036489	0.021904949
ENSG00000129173	E2F8	25.64	31.31	1.22	0.002231434	0.008014497
ENSG00000130313	PGLS	34.41	41.94	1.22	0.006219769	0.015904694
ENSG00000130711	PRDM12	85.9	105.08	1.22	0.009425021	0.020967674
ENSG00000132254	ARFIP2	55.57	67.57	1.22	0.001398719	0.006044051
ENSG00000132478	UNK	46.51	56.57	1.22	0.002746081	0.009208022
ENSG00000135148	TRAFD1	24.01	29.32	1.22	0.001406114	0.006049959
ENSG00000136371	MTHFS	27.85	34.05	1.22	0.027154	0.044484337
ENSG00000139514	SLC7A1	48.48	59.35	1.22	0.000269099	0.002463091
ENSG00000140650	PMM2	23.35	28.57	1.22	0.003148433	0.010006762
ENSG00000145284	SCD5	31.24	38.03	1.22	0.000414433	0.003077624
ENSG00000146707	POMZP3	35.17	42.92	1.22	0.014389901	0.027983279
ENSG00000147955	SIGMAR1	110.85	135.22	1.22	0.002876847	0.00949111
ENSG00000155957	TMBIM4	52.17	63.68	1.22	0.026798424	0.044075982
ENSG00000160213	CSTB	42.72	52.02	1.22	0.003205645	0.010105958
ENSG00000164081	TEX264	48.12	58.92	1.22	0.008155257	0.018964686

ENSG00000172500	FIBP	75.25	91.75	1.22	0.022306988	0.038676911
ENSG00000172992	DCAKD	29.78	36.27	1.22	0.011302553	0.023799356
ENSG00000176390	CRLF3	22.41	27.41	1.22	0.00026016	0.00243797
ENSG00000177951	BET1L	38.57	47.18	1.22	0.000654985	0.003971111
ENSG00000178449	COX14	49.01	60.02	1.22	0.006192098	0.015859696
ENSG00000179348	GATA2	50.27	61.5	1.22	0.025384634	0.042245111
ENSG00000179632	MAF1	126.4	154.21	1.22	0.006576304	0.016494892
ENSG00000183586	HMG3P1	723.95	883.98	1.22	0.008240215	0.01910581
ENSG00000185324	CDK10	35.66	43.42	1.22	0.009345999	0.020811481
ENSG00000187954	CYHR1	37.8	46.12	1.22	0.000207214	0.002155667
ENSG00000197448	GSTK1	30.69	37.46	1.22	0.000750742	0.004247753
ENSG00000198837	DENND4B	30.55	37.35	1.22	0.029321971	0.047040648
ENSG00000198960	ARMCX6	47.29	57.87	1.22	0.003766897	0.011182309
ENSG00000214293	APTR	31.72	38.72	1.22	0.018828264	0.03411043
ENSG00000224469	AC009517.2	34.71	42.3	1.22	0.029097037	0.046806984
ENSG00000227934	RP11-423F24.3	26.74	32.71	1.22	0.01496549	0.028767607
ENSG00000233247	GS1-257G1.1	36.58	44.72	1.22	0.012344354	0.025139206
ENSG00000233426	EIF3FP3	161.99	197.83	1.22	6.65E-05	0.001387738
ENSG00000235297	FAUP1	236.7	289.54	1.22	0.00290399	0.009524879
ENSG00000244716	RP11-20024.4	412.14	503.27	1.22	0.00208329	0.007693024
ENSG00000254586	RP11-358H18.3	163.65	200.09	1.22	0.001251893	0.005680234
ENSG00000071655	MBD3	102.4	125.96	1.23	0.008775494	0.01999183
ENSG00000072682	P4HA2	152.92	188.47	1.23	5.57E-05	0.001303409
ENSG00000091542	ALKBH5	164.38	202.94	1.23	0.000182132	0.00203624
ENSG00000106638	TBL2	43.26	53.15	1.23	0.001564635	0.006498999
ENSG00000108528	SLC25A11	54.84	67.23	1.23	0.014175954	0.027792872
ENSG00000110200	ANAPC15	82.75	101.53	1.23	0.018863765	0.034135464
ENSG00000125651	GTF2F1	79.45	97.96	1.23	0.007118496	0.017384



ENSG00000127804	METTL16	21.66	26.7	1.23	0.008816028	0.020037585
ENSG00000130811	EIF3G	214.3	262.93	1.23	0.007414141	0.01780223
ENSG00000132330	SCLY	32.38	39.75	1.23	0.016044724	0.030287382
ENSG00000135452	TSPAN31	236.21	290.2	1.23	5.68E-05	0.001303409
ENSG00000137726	FXVD6	99.61	122.31	1.23	0.000819451	0.004458028
ENSG00000140263	SORD	25.91	31.84	1.23	0.011318328	0.02380074
ENSG00000140474	ULK3	25.49	31.45	1.23	0.026643382	0.043922056
ENSG00000141101	NOB1	36.41	44.61	1.23	0.006644711	0.016595784
ENSG00000142168	SOD1	265.25	327.2	1.23	0.001419066	0.00608742
ENSG00000142546	NOSIP	75.95	93.17	1.23	0.019712769	0.035239745
ENSG00000148334	PTGES2	74.05	91.23	1.23	0.014892061	0.028684831
ENSG00000151135	TMEM263	28.94	35.71	1.23	0.003759454	0.011167234
ENSG00000158457	TSPAN33	65.76	81.1	1.23	0.002517613	0.00870475
ENSG00000163297	ANTXR2	55.16	67.86	1.23	0.00315972	0.010022403
ENSG00000166803	KIAA0101	438.13	540.24	1.23	0.011725522	0.024364331
ENSG00000170854	MINA	47.52	58.64	1.23	0.000136633	0.001817797
ENSG00000171148	TADA3	81.39	100.11	1.23	0.000425736	0.003112614
ENSG00000174606	ANGEL2	40.36	49.45	1.23	0.00701645	0.017198824
ENSG00000175220	ARHGAP1	27.82	34.3	1.23	0.000648376	0.003951326
ENSG00000183762	KREMEN1	34.06	41.89	1.23	0.000666256	0.003997208
ENSG00000185641	CTD-2287O16.1	957.21	1175.73	1.23	0.013682922	0.027050834
ENSG00000188846	RPL14	895.72	1100.17	1.23	0.001689787	0.006838787
ENSG00000196781	TLE1	69.96	86.34	1.23	0.000268022	0.002462782
ENSG00000197852	FAM212B	27.13	33.47	1.23	0.001403019	0.006049959
ENSG00000204304	PBX2	47.72	58.9	1.23	0.004126371	0.011883446
ENSG00000214706	IFRD2	103.06	126.56	1.23	0.007868524	0.018489074
ENSG00000234985	RP11-3L10.3	51.62	63.71	1.23	0.001586305	0.006554783
ENSG00000235508	RPS2P7	50.35	62.08	1.23	0.020330979	0.036120838

ENSG0000003056	M6PR	261.89	323.72	1.24	0.002940358	0.009610597
ENSG0000005513	SOX8	129.15	160.54	1.24	0.006019549	0.015471569
ENSG00000013573	DDX11	45.51	56.53	1.24	0.001824583	0.007096798
ENSG00000019549	SNAI2	132.94	165.49	1.24	7.19E-05	0.001409481
ENSG00000049540	ELN	58.78	72.82	1.24	0.008245791	0.019109358
ENSG00000085063	CD59	123.55	153.2	1.24	0.001810357	0.00708743
ENSG00000100372	SLC25A17	42.02	52.17	1.24	0.002848895	0.009433003
ENSG00000103657	HERC1	46.46	57.7	1.24	0.022119031	0.038483049
ENSG00000104047	DTWD1	24.4	30.23	1.24	0.001332798	0.00588103
ENSG00000106733	NMRK1	56.43	69.8	1.24	0.001187513	0.005547603
ENSG00000108465	CDK5RAP3	43.02	53.5	1.24	0.003310785	0.010273875
ENSG00000108960	MMD	38.72	47.89	1.24	0.004631029	0.012777703
ENSG00000130147	SH3BP4	24.69	30.61	1.24	0.000815062	0.004441367
ENSG00000133422	MORC2	54.21	67.44	1.24	0.000304042	0.002638286
ENSG00000134363	FST	33.24	41.34	1.24	0.012263824	0.025052786
ENSG00000135845	PIGC	29.94	37.15	1.24	0.020523136	0.036371772
ENSG00000144354	CDCA7	43.12	53.63	1.24	0.003253798	0.010193525
ENSG00000151468	CCDC3	83.1	102.82	1.24	3.88E-05	0.001159681
ENSG00000154305	MIA3	86.79	107.51	1.24	0.001200767	0.005581911
ENSG00000159388	BTG2	40.24	49.75	1.24	0.000334532	0.002771923
ENSG00000167766	ZNF83	23.71	29.36	1.24	0.006277903	0.016040347
ENSG00000168002	POLR2G	60.9	75.52	1.24	0.022085015	0.0384473
ENSG00000169016	E2F6	27.08	33.48	1.24	0.002607174	0.008890745
ENSG00000174365	SNHG11	25.28	31.23	1.24	0.010685107	0.022886965
ENSG00000175573	C11orf68	30.78	38.21	1.24	0.002354976	0.008300411
ENSG00000196814	MVB12B	23.17	28.7	1.24	0.029871139	0.047694858
ENSG00000197982	C1orf122	54.38	67.58	1.24	0.023537097	0.039930212
ENSG00000204231	RXRβ	37.06	45.83	1.24	0.001467792	0.006217382

ENSG00000223640	RPL30P3	64.06	79.73	1.24	0.005900496	0.015261797
ENSG00000226396	RP5-1056L3.3	622.17	771.85	1.24	0.028612898	0.046153933
ENSG00000234741	GAS5	276.2	342.07	1.24	0.000190068	0.002087655
ENSG00000236088	COX10-AS1	43.73	54.11	1.24	0.001731704	0.006901975
ENSG00000255769	GOLGA2P10	22.09	27.5	1.24	0.009183833	0.020586258
ENSG00000261395	HSPE1P5	46.06	57.15	1.24	0.029067719	0.046777433
ENSG00000099968	BCL2L13	44.97	56.01	1.25	0.001851305	0.007172859
ENSG00000104517	UBR5	49.49	61.75	1.25	0.000223174	0.002247444
ENSG00000107959	PITRM1	35.39	44.34	1.25	0.013748338	0.027146071
ENSG00000114054	PCCB	26.71	33.32	1.25	0.00017348	0.002028089
ENSG00000116786	PLEKHM2	33.23	41.63	1.25	0.013771877	0.02716542
ENSG00000124570	SERPINB6	79.66	99.77	1.25	0.002508769	0.008693519
ENSG00000126247	CAPNS1	705.51	883.32	1.25	0.003421341	0.010527031
ENSG00000128524	ATP6V1F	174.9	218.9	1.25	0.004951342	0.01341663
ENSG00000133687	TMTC1	87.58	109.56	1.25	0.00122874	0.005645875
ENSG00000137710	RDX	75.17	94.16	1.25	0.006600459	0.01652991
ENSG00000143633	C1orf131	21.07	26.24	1.25	0.005295405	0.014050674
ENSG00000151914	DST	66.22	82.48	1.25	0.000801841	0.004408725
ENSG00000163565	IFI16	49.6	62.23	1.25	0.00930018	0.020748382
ENSG00000164587	RPS14	3050.94	3825.22	1.25	0.002230774	0.008014497
ENSG00000164896	FASTK	68.91	86.02	1.25	0.016945472	0.031484447
ENSG00000164898	C7orf55	70.79	88.28	1.25	0.029142473	0.046832221
ENSG00000168818	STX18	34.59	43.18	1.25	0.004641524	0.012797385
ENSG00000170581	STAT2	25.6	32.08	1.25	0.000781622	0.004348176
ENSG00000176485	PLA2G16	24.32	30.43	1.25	0.022279413	0.038654111
ENSG00000178498	DTX3	166.93	208.09	1.25	0.001090155	0.00522721
ENSG00000184428	TOP1MT	42.36	52.88	1.25	0.012963243	0.026075552
ENSG00000187193	MT1X	36.58	45.83	1.25	0.020384967	0.03618121

ENSG00000198131	ZNF544	22.61	28.21	1.25	0.014320132	0.027960497
ENSG00000009830	POMT2	78.47	99.26	1.26	0.003614572	0.010866724
ENSG00000018189	RUFY3	53.38	67.33	1.26	0.026270361	0.043382837
ENSG00000089289	IGBP1	45.78	57.85	1.26	0.002055274	0.007619357
ENSG00000089335	ZNF302	41	51.73	1.26	0.001742739	0.006916771
ENSG00000104885	DOT1L	22.07	27.7	1.26	0.02268274	0.039034726
ENSG00000115289	PCGF1	33.12	41.79	1.26	0.003732258	0.011093427
ENSG00000116521	SCAMP3	54.05	68.27	1.26	0.000865562	0.004577882
ENSG00000117691	NENF	90.78	114.12	1.26	0.000881977	0.00462842
ENSG00000119335	SET	331.53	418.39	1.26	0.001113517	0.005309223
ENSG00000125676	THOC2	126.29	158.65	1.26	0.000489495	0.003375015
ENSG00000131043	AAR2	89	111.94	1.26	4.98E-05	0.001257003
ENSG00000134508	CABLES1	23.4	29.6	1.26	0.000262715	0.002447343
ENSG00000135900	MRPL44	44.03	55.26	1.26	0.000131403	0.001793011
ENSG00000136859	ANGPTL2	28.27	35.73	1.26	0.006434855	0.016288486
ENSG00000136997	MYC	55.49	69.71	1.26	0.000479257	0.003328724
ENSG00000137501	SYTL2	449.26	563.85	1.26	0.000421434	0.003107817
ENSG00000138101	DTNB	25.81	32.61	1.26	0.016303055	0.030591707
ENSG00000146729	GBAS	33.46	42.13	1.26	0.002315255	0.008203262
ENSG00000148290	SURF1	35.93	45.43	1.26	0.006693447	0.016656034
ENSG00000149016	TUT1	22.52	28.34	1.26	0.009500147	0.021073571
ENSG00000151500	THYN1	95.19	120.05	1.26	0.005788072	0.01505345
ENSG00000161021	MAML1	25.01	31.58	1.26	0.001219863	0.005641172
ENSG00000163463	KRTCAP2	108.5	136.29	1.26	0.002012541	0.007514017
ENSG00000168256	NKIRAS2	74.33	93.52	1.26	0.001074172	0.005187439
ENSG00000170604	IRF2BP1	24.63	31.05	1.26	0.014767336	0.028514361
ENSG00000175390	EIF3F	157.3	197.47	1.26	0.000638009	0.003921146
ENSG00000177606	JUN	171.86	216.9	1.26	0.00397929	0.011601349

ENSG00000188613	NANOS1	30.51	38.36	1.26	0.017813723	0.032691855
ENSG00000188735	TMEM120B	23.83	29.95	1.26	0.008932832	0.020184659
ENSG00000188739	RBM34	109.74	138.48	1.26	0.006921203	0.017060983
ENSG00000198816	ZNF358	48.63	61.31	1.26	0.010613898	0.022765413
ENSG00000203993	ARRDC1-AS1	30.09	37.84	1.26	0.000468605	0.003288698
ENSG00000212694	LINC01089	19.63	24.65	1.26	0.014541051	0.028169559
ENSG00000213762	ZNF134	20.06	25.33	1.26	0.000109478	0.00169706
ENSG00000228158	TLE1P1	37.91	47.83	1.26	0.005115735	0.01375554
ENSG00000255529	POLR2M	53.87	67.94	1.26	0.000336984	0.002773497
ENSG0000033627	ATP6V0A1	23.18	29.52	1.27	0.002714612	0.009157936
ENSG00000100304	TTL12	70.73	90.16	1.27	0.022807368	0.039170617
ENSG00000100417	PMM1	20.94	26.63	1.27	0.006971993	0.017139559
ENSG00000101220	C2orf27	74.08	94.36	1.27	0.028524044	0.046042057
ENSG00000105402	NAPA	128.36	163.31	1.27	0.028498953	0.046027069
ENSG00000114353	GNAI2	67.11	85.23	1.27	0.000267376	0.002461818
ENSG00000115170	ACVR1	24.33	30.93	1.27	0.00012559	0.00177759
ENSG00000115641	FHL2	33.27	42.38	1.27	0.000198311	0.002138411
ENSG00000118640	VAMP8	79.48	101.18	1.27	0.006308497	0.016088029
ENSG00000129682	FGF13	41.97	53.19	1.27	0.026735201	0.044011974
ENSG00000133805	AMPD3	20.01	25.44	1.27	0.005479318	0.014417171
ENSG00000140497	SCAMP2	54.52	69.36	1.27	0.025737803	0.042712454
ENSG00000143486	EIF2D	43.95	55.96	1.27	0.003966865	0.011601349
ENSG00000148218	ALAD	23.53	29.77	1.27	0.009638763	0.021302704
ENSG00000159063	ALG8	57.97	73.41	1.27	0.013647566	0.027003542
ENSG00000160710	ADAR	107.93	137.41	1.27	3.46E-05	0.001111113
ENSG00000161999	JMJD8	30.12	38.33	1.27	0.00605198	0.01554296
ENSG00000167863	ATP5H	376.7	479.87	1.27	0.00466245	0.012822117
ENSG00000174442	ZWILCH	47.22	60.01	1.27	0.003176913	0.010052695

ENSG00000174748	RPL15	1054.27	1335.33	1.27	0.000440494	0.003169064
ENSG00000175130	MARCKSL1	284.97	361.4	1.27	0.001734843	0.006902833
ENSG00000178882	FAM101A	56.77	72.13	1.27	0.006125201	0.015705388
ENSG00000178927	C17orf62	94.83	120.03	1.27	0.001197404	0.005571763
ENSG00000183036	PCP4	25.13	31.88	1.27	0.02706091	0.044378013
ENSG00000188321	ZNF559	21.53	27.39	1.27	0.006279611	0.016040347
ENSG00000203875	SNHG5	855.03	1089.78	1.27	0.002978331	0.009684068
ENSG00000204348	DXO	23.78	30.11	1.27	0.011256982	0.023764425
ENSG00000204356	NELFE	98.32	125.03	1.27	0.000411843	0.003077624
ENSG00000219665	CTD-2006C1.2	32.8	41.76	1.27	0.029651666	0.047486
ENSG00000244187	TMEM141	30.92	39.41	1.27	0.006974853	0.017139559
ENSG00000265972	TXNIP	68.75	87.53	1.27	0.002161815	0.007906212
ENSG00000275023	MLLT6	26.59	33.65	1.27	0.025046554	0.041844667
ENSG00000278845	MRPL45	34.28	43.56	1.27	0.009551489	0.021159327
ENSG00000005486	RHBDD2	52.76	67.46	1.28	0.004025798	0.011674201
ENSG00000010361	FUZ	28.21	36.22	1.28	0.013475567	0.02674164
ENSG00000024422	EHD2	21.37	27.26	1.28	0.000439999	0.003169064
ENSG00000079393	DUSP13	33.33	42.76	1.28	0.011260805	0.023764425
ENSG00000079739	PGM1	59.81	76.31	1.28	0.000600527	0.003771663
ENSG00000090263	MRPS33	90.79	116.4	1.28	0.004340206	0.012274726
ENSG00000104231	ZFAND1	33.99	43.44	1.28	0.000376886	0.002932508
ENSG00000105750	ZNF85	18.28	23.45	1.28	0.02831469	0.045826416
ENSG00000109016	DHRS7B	32.17	41.1	1.28	0.001119404	0.00532528
ENSG00000109065	NAT9	82.17	104.96	1.28	0.000288353	0.002562162
ENSG00000109917	ZPR1	39.06	49.95	1.28	0.028455868	0.045994888
ENSG00000124785	NRN1	121.89	155.77	1.28	3.73E-05	0.001158114
ENSG00000127564	PKMYT1	71.05	91.14	1.28	0.016459802	0.030836828
ENSG00000134056	MRPS36	78.73	100.61	1.28	0.015796339	0.029974331

ENSG00000136710	CCDC115	26.7	34.26	1.28	0.00010952	0.00169706
ENSG00000140612	SEC11A	242.69	310.71	1.28	0.002160463	0.007906212
ENSG00000143612	C1orf43	184.19	236.37	1.28	0.003267566	0.010193525
ENSG00000147687	TATDN1	30.21	38.57	1.28	0.001592481	0.006574551
ENSG00000148341	SH3GLB2	26.74	34.28	1.28	0.030609514	0.04854558
ENSG00000159111	MRPL10	56.09	71.69	1.28	0.000868413	0.0045827
ENSG00000166337	TAF10	172.47	221.3	1.28	0.006510612	0.016382324
ENSG00000167985	SDHAF2	52.01	66.7	1.28	0.00272447	0.009167164
ENSG00000184924	PTRHD1	132.57	169.28	1.28	0.001525759	0.006405477
ENSG00000204262	COL5A2	207.88	266.05	1.28	1.47E-05	0.000773231
ENSG00000212802	RPL15P3	2129.94	2729.73	1.28	0.000617422	0.003847131
ENSG00000213015	ZNF580	20.83	26.62	1.28	0.011042212	0.023428737
ENSG00000214022	REPIN1	143.54	183.78	1.28	0.006866029	0.016942663
ENSG00000214194	LINC00998	163.12	209.24	1.28	0.001638767	0.006695411
ENSG00000214655	ZSWIM8	51.28	65.39	1.28	0.018889872	0.034143461
ENSG00000234925	ATP5HP4	84.33	108	1.28	0.01621549	0.030495549
ENSG00000255112	CHMP1B	18.08	23.13	1.28	0.000382575	0.002959235
ENSG00000260708	CTA-29F11.1	22.22	28.48	1.28	0.018938037	0.034217426
ENSG00000273018	CTD-2303H24.2	22.54	28.81	1.28	0.019481547	0.034940899
ENSG0000033030	ZCCHC8	24.07	31.02	1.29	0.003487625	0.010627132
ENSG00000069011	PITX1	45.62	58.81	1.29	0.001774037	0.006996237
ENSG00000085982	USP40	28.29	36.63	1.29	0.028367323	0.045867465
ENSG00000100297	MCM5	120.75	156.03	1.29	0.000932274	0.004760142
ENSG00000105854	PON2	176.89	228.91	1.29	0.000679047	0.004024017
ENSG00000105974	CAV1	70.04	90.61	1.29	0.014530039	0.028169559
ENSG00000121851	POLR3GL	19.69	25.39	1.29	0.003058866	0.009854722
ENSG00000135334	AKIRIN2	82.5	106.17	1.29	0.000635953	0.003918525
ENSG00000143751	SDE2	17.91	23.04	1.29	4.41E-05	0.001201671

ENSG00000163322	FAM175A	19.05	24.53	1.29	0.005926566	0.015304084
ENSG00000165915	SLC39A13	20.02	25.82	1.29	0.010292275	0.02224733
ENSG00000165973	NELL1	49.47	63.73	1.29	0.001141177	0.005384395
ENSG00000167513	CDT1	21.04	27.13	1.29	0.026925576	0.044217487
ENSG00000169184	MN1	50.06	64.37	1.29	0.01509754	0.028950744
ENSG00000169189	NSMCE1	49.84	64.28	1.29	0.00255293	0.008775465
ENSG00000178057	NDUFAF3	49.28	63.37	1.29	0.027835203	0.045275369
ENSG00000186767	SPIN4	23.74	30.64	1.29	0.000178942	0.002031195
ENSG00000213363	RPS3P6	20.63	26.56	1.29	0.023617316	0.040025789
ENSG00000215717	TMEM167B	23.34	30.1	1.29	1.83E-05	0.000856079
ENSG00000223501	VPS52	34.7	44.62	1.29	0.001366693	0.005954697
ENSG00000240489	SETP14	167.26	215.16	1.29	0.000474894	0.003312374
ENSG00000251562	MALAT1	35.4	45.59	1.29	0.023274262	0.039710822
ENSG00000278259	MYO19	91.65	118.61	1.29	0.000251971	0.002398747
ENSG00000099899	TRMT2A	44.82	58.26	1.3	0.021313757	0.037463667
ENSG00000099977	DDT	147.53	191.93	1.3	0.00029103	0.002574037
ENSG00000101104	PABPC1L	23.24	30.26	1.3	0.016568247	0.030954047
ENSG00000103495	MAZ	352.34	457.98	1.3	0.000480917	0.003335349
ENSG00000112855	HARS2	26.76	34.68	1.3	0.001190095	0.005554168
ENSG00000118418	HMG3	232.4	301.83	1.3	0.000878999	0.004625966
ENSG00000125124	BBS2	19.53	25.4	1.3	0.009302306	0.020748382
ENSG00000125734	GPR108	42.13	54.76	1.3	0.007086652	0.017315188
ENSG00000128045	RASL11B	39.2	50.92	1.3	0.001434987	0.006122458
ENSG00000132471	WBP2	86.46	112.4	1.3	0.001706159	0.0068522
ENSG00000138031	ADCY3	104.42	136.16	1.3	0.006340432	0.016138847
ENSG00000143337	TOR1AIP1	31.2	40.47	1.3	0.000767678	0.004306109
ENSG00000145022	TCTA	19.75	25.64	1.3	0.001761312	0.006978757
ENSG00000145362	ANK2	43.97	57.23	1.3	0.007292883	0.017640261



ENSG00000146540	C7orf50	27.61	35.76	1.3	0.02094335	0.036963917
ENSG00000146842	TMEM209	16.75	21.78	1.3	0.002182212	0.00794036
ENSG00000149806	FAU	706.34	916.17	1.3	0.010167065	0.022057441
ENSG00000149932	TMEM219	39.96	51.92	1.3	0.000822249	0.00445865
ENSG00000163517	HDAC11	27	35.11	1.3	0.013171131	0.026381363
ENSG00000164885	CDK5	38.2	49.68	1.3	0.009813485	0.021537682
ENSG00000165138	ANKS6	48.23	62.69	1.3	0.002752113	0.009208022
ENSG00000179943	FIZ1	21.96	28.58	1.3	0.008766177	0.019991625
ENSG00000211455	STK38L	17.6	22.82	1.3	0.02427712	0.040891883
ENSG00000213553	RPLPOP6	927.63	1209.87	1.3	0.000102943	0.001681039
ENSG00000214021	TLL3	17.81	23.07	1.3	0.010395363	0.022418857
ENSG00000237499	RP11-356I2.4	47.19	61.16	1.3	0.000889547	0.004648873
ENSG00000249550	LINC01234	29.44	38.4	1.3	0.002413652	0.008442441
ENSG00000044446	PHKA2	39.67	52.14	1.31	0.019088745	0.034410742
ENSG00000059573	ALDH18A1	41.23	54.1	1.31	0.001501637	0.006343677
ENSG00000064545	TMEM161A	28.38	37.15	1.31	0.027308484	0.044690912
ENSG00000089486	CDIP1	51.51	67.48	1.31	0.001373095	0.005971574
ENSG00000123064	DDX54	79.66	104.15	1.31	0.006573545	0.016494892
ENSG00000123091	RNF11	87.36	114.75	1.31	0.006429737	0.016288486
ENSG00000135185	TMEM243	62.55	81.99	1.31	0.000171212	0.002023774
ENSG00000135835	KIAA1614	44.08	57.78	1.31	0.018637954	0.03385656
ENSG00000136783	NIPSNAP3A	16.14	21.18	1.31	0.005442576	0.014360495
ENSG00000136908	DPM2	64.83	85.13	1.31	0.000257665	0.002424204
ENSG00000140092	FBLN5	51.68	67.66	1.31	0.000502845	0.003421387
ENSG00000144485	HES6	70.01	91.94	1.31	0.001814022	0.00708804
ENSG00000146833	TRIM4	15.99	21	1.31	0.000362453	0.002880156
ENSG00000161847	RAVER1	43.11	56.62	1.31	0.009162168	0.020547445
ENSG00000164967	RPP25L	23.42	30.7	1.31	0.020453362	0.036275339

ENSG00000168936	TMEM129	19.8	25.88	1.31	0.015413233	0.029400929
ENSG00000169100	SLC25A6	698.02	915.91	1.31	0.005469579	0.014415637
ENSG00000179761	PIPOX	76.61	100.51	1.31	0.000853999	0.004550164
ENSG00000183010	PYCR1	184.33	242.22	1.31	0.004628412	0.012777703
ENSG00000185585	OLFML2A	18.44	24.14	1.31	0.000171644	0.002023774
ENSG00000188243	COMMD6	191.01	249.27	1.31	0.008916757	0.020159809
ENSG00000198521	ZNF43	22.32	29.32	1.31	0.001825664	0.007096798
ENSG00000236819	LINC01563	57.3	75.32	1.31	0.00108404	0.005215061
ENSG00000245532	NEAT1	37.2	48.76	1.31	0.005456522	0.014389254
ENSG00000260807	RP11-161M6.2	72.61	94.95	1.31	0.000867368	0.004582304
ENSG00000269893	SNHG8	196.33	256.67	1.31	0.00909974	0.020456008
ENSG00000002919	SNX11	22.4	29.56	1.32	0.001516025	0.006381627
ENSG00000016864	GLT8D1	34.16	45.04	1.32	0.001340125	0.005893307
ENSG00000029993	HMGB3	165.54	218.27	1.32	0.000255459	0.002412461
ENSG00000077274	CAPN6	207.11	274.35	1.32	3.21E-05	0.00110418
ENSG00000077279	DCX	95.63	126.63	1.32	2.30E-05	0.000921591
ENSG00000089157	RPLP0	748.97	991.82	1.32	0.000179802	0.002031195
ENSG00000100243	CYB5R3	159.93	211.87	1.32	0.001160326	0.005431339
ENSG00000102024	PLS3	287.16	378.52	1.32	0.000874794	0.004611221
ENSG00000105607	GCDH	24.87	32.92	1.32	0.00089604	0.004656725
ENSG00000106628	POLD2	192.93	255.34	1.32	0.001431801	0.006122458
ENSG00000114993	RTKN	46.37	61.35	1.32	0.001724558	0.006896772
ENSG00000116016	EPAS1	18.58	24.52	1.32	0.009105721	0.020459716
ENSG00000120694	HSPH1	223.27	294.57	1.32	0.000315735	0.002696596
ENSG00000123427	METTL21B	69.34	91.8	1.32	2.04E-05	0.000888107
ENSG00000124399	RP11-663P9.2	43.7	57.88	1.32	0.030774994	0.048709885
ENSG00000125458	NT5C	48.24	63.89	1.32	0.006209996	0.015896915
ENSG00000127481	UBR4	104.41	138.08	1.32	0.000663192	0.003994823

ENSG00000137573	SULF1	72.24	95.05	1.32	0.000362261	0.002880156
ENSG00000143493	INTS7	41.79	55.04	1.32	0.006554495	0.016480808
ENSG00000161888	SPC24	39.5	52.3	1.32	0.001368496	0.005957057
ENSG00000174446	SNAPC5	23.1	30.4	1.32	0.00756581	0.018047132
ENSG00000182551	ADI1	71.67	94.94	1.32	3.46E-05	0.001111113
ENSG00000187955	COL14A1	85.09	112.33	1.32	0.003520996	0.010687446
ENSG00000197885	NKIRAS1	27.69	36.47	1.32	0.004229228	0.012105845
ENSG00000225138	CTD-2228K2.7	17.01	22.4	1.32	0.021668125	0.037945329
ENSG00000243517	RP11-627K11.1	67.34	89.08	1.32	0.022870484	0.039250471
ENSG00000255737	AGAP2-AS1	185.02	244.5	1.32	0.00528696	0.014044044
ENSG00000259132	RP11-298I3.5	18.81	24.9	1.32	0.012333281	0.025139206
ENSG00000067113	PPAP2A	22.99	30.68	1.33	0.011244086	0.023750366
ENSG00000091947	TMEM101	46.3	61.66	1.33	0.003377993	0.010414008
ENSG00000092531	SNAP23	49.82	66.06	1.33	0.001584416	0.006552714
ENSG00000108001	EBF3	17.5	23.27	1.33	0.004890331	0.013300837
ENSG00000114200	BCHE	83.63	110.88	1.33	0.003550906	0.010736831
ENSG00000119865	CNRIP1	21.76	28.87	1.33	0.000251335	0.002398747
ENSG00000143772	ITPKB	29.37	39.01	1.33	0.000178273	0.002031195
ENSG00000154330	PGM5	68.97	92.02	1.33	0.002821093	0.009383115
ENSG00000155506	LARP1	83.56	110.78	1.33	4.00E-05	0.001159681
ENSG00000161671	EMC10	49.02	65.22	1.33	0.000649217	0.003951357
ENSG00000166166	TRMT61A	17.66	23.45	1.33	0.014271054	0.027886713
ENSG00000170899	GSTA4	24.26	32.38	1.33	0.001154645	0.005426974
ENSG00000173020	ADRBK1	45.1	59.88	1.33	0.00443807	0.012425018
ENSG00000173276	ZBTB21	21.6	28.7	1.33	0.02321894	0.039707275
ENSG00000177410	ZFAS1	324.75	432.83	1.33	0.001062162	0.005150504
ENSG00000184162	NR2C2AP	25.51	33.83	1.33	0.004588392	0.012710251
ENSG00000185049	NELFA	29.95	39.75	1.33	0.026294497	0.043407518

ENSG00000197903	HIST1H2BK	26.51	35.35	1.33	0.011328501	0.023811531
ENSG00000214026	MRPL23	27.39	36.48	1.33	0.013389667	0.02660471
ENSG00000239779	WBP1	53.33	70.87	1.33	0.010783939	0.023035977
ENSG00000260260	SNHG19	79.78	106.17	1.33	0.003597771	0.010823102
ENSG00000270170	NCBP2-AS2	30.72	40.93	1.33	0.005932224	0.015310325
ENSG00000063978	RNF4	54.95	73.42	1.34	0.000687581	0.004052022
ENSG00000064300	NGFR	194.64	261.57	1.34	0.00046497	0.003288698
ENSG00000088256	GNA11	31.79	42.69	1.34	0.001660049	0.006758356
ENSG00000104835	SARS2	44.74	59.75	1.34	0.011982535	0.024636805
ENSG00000106266	SNX8	61.86	82.98	1.34	0.011729192	0.024364331
ENSG00000108448	TRIM16L	17.66	23.6	1.34	0.00013661	0.001817797
ENSG00000111843	TMEM14C	67.49	90.65	1.34	0.004419662	0.012395524
ENSG00000117419	ERI3	68.95	92.32	1.34	0.000172503	0.002023774
ENSG00000127220	ABHD8	17.28	23.17	1.34	0.021753148	0.038080103
ENSG00000131016	AKAP12	50.79	68.05	1.34	4.08E-06	0.000634025
ENSG00000137038	TMEM261	89.32	119.42	1.34	0.002904743	0.009524879
ENSG00000153044	CENPH	48.54	65.14	1.34	0.001575523	0.006533097
ENSG00000184117	NIPSNAP1	30.24	40.44	1.34	0.000509688	0.003430228
ENSG00000184343	SRPK3	27.04	36.26	1.34	0.014780601	0.028528311
ENSG00000204619	PPP1R11	42.15	56.64	1.34	0.000786761	0.004365428
ENSG00000204822	MRPL53	155.56	209	1.34	0.001450227	0.006170652
ENSG00000227500	SCAMP4	32.09	42.9	1.34	0.005126801	0.013767043
ENSG00000233327	USP32P2	21.42	28.64	1.34	0.003427649	0.010532717
ENSG00000240583	AQP1	92.53	123.79	1.34	0.000261965	0.002447343
ENSG00000240674	RP11-366M4.1	39.13	52.29	1.34	0.022620411	0.03896489
ENSG00000242950	ERVW-1	122.81	164.27	1.34	5.19E-05	0.001262441
ENSG00000256514	AP003419.11	34.27	45.9	1.34	0.015735408	0.029893385
ENSG00000267673	FDX1L	39.13	52.31	1.34	0.017697733	0.032549218

ENSG00000003989	SLC7A2	20.17	27.2	1.35	0.000168159	0.002004805
ENSG00000083845	RPS5	1165.59	1574	1.35	0.000499078	0.003416156
ENSG00000100814	CCNB1IP1	89.14	120.17	1.35	0.000503465	0.003421387
ENSG00000138760	SCARB2	65.81	88.61	1.35	1.33E-05	0.00075304
ENSG00000142686	C1orf216	17.99	24.22	1.35	0.000108903	0.00169706
ENSG00000143222	UFC1	58.41	78.83	1.35	0.000121827	0.001767664
ENSG00000151353	TMEM18	32.58	44.13	1.35	0.002823548	0.00938467
ENSG00000169169	CPT1C	24.12	32.58	1.35	0.001965894	0.00741607
ENSG00000169696	ASPSCR1	35.65	48.01	1.35	0.017337373	0.032048107
ENSG00000173209	AHSA2	34.35	46.29	1.35	0.002230088	0.008014497
ENSG00000175061	LRR75A-AS1	2950.04	3980.64	1.35	0.000120278	0.001758733
ENSG00000198925	ATG9A	37.49	50.57	1.35	0.01939368	0.034857805
ENSG00000214548	MEG3	350.2	473.35	1.35	0.003222581	0.010140072
ENSG00000215126	CBWD7	24.42	33.02	1.35	0.014837214	0.028602516
ENSG00000229119	CTB-63M22.1	660.07	894.03	1.35	0.00153547	0.006433119
ENSG00000247134	RP11-11N9.4	16	21.53	1.35	0.008596238	0.019689637
ENSG00000277161	PIGW	29.75	40.12	1.35	0.001723752	0.006896772
ENSG00000076513	ANKRD13A	33.91	46.15	1.36	0.000527468	0.003489119
ENSG00000078018	MAP2	21.76	29.7	1.36	0.009290043	0.020748382
ENSG00000101439	CST3	83.83	114.16	1.36	0.00043951	0.003169064
ENSG00000101940	WDR13	21.6	29.33	1.36	0.000341348	0.002794086
ENSG00000103145	HCFC1R1	55.14	74.89	1.36	0.006214802	0.0159006
ENSG00000112159	MDN1	31.03	42.05	1.36	0.003132461	0.009983934
ENSG00000122592	HOXA7	41.59	56.58	1.36	0.000842703	0.00451769
ENSG00000130844	ZNF331	23.39	31.81	1.36	0.023324539	0.039733876
ENSG00000131018	SYNE1	19.28	26.15	1.36	0.006479309	0.016361534
ENSG00000134253	TRIM45	19.21	26.21	1.36	0.000486028	0.003360922
ENSG00000142039	CCDC97	42.04	57.19	1.36	0.006611305	0.016538768

ENSG00000176022	B3GALT6	20.16	27.45	1.36	0.000379114	0.002944992
ENSG00000180447	GAS1	166.1	226.44	1.36	0.000124799	0.00177759
ENSG00000185800	DMWD	37.59	51.05	1.36	0.008559372	0.019643301
ENSG00000256060	TRAPPC2B	19.39	26.34	1.36	0.006182002	0.015842428
ENSG00000008394	MGST1	40.43	55.53	1.37	0.004518947	0.012576726
ENSG00000064999	ANKS1A	15.34	21.01	1.37	0.000204008	0.002155667
ENSG00000071889	FAM3A	16.04	22	1.37	0.009159273	0.020547445
ENSG00000089063	TMEM230	102.61	140.87	1.37	0.000157261	0.001941991
ENSG00000103485	QPRT	102.06	139.89	1.37	3.40E-05	0.001111113
ENSG00000104823	ECH1	133.68	182.83	1.37	0.003207459	0.010105958
ENSG00000117543	DPH5	57.32	78.71	1.37	0.01550938	0.029536613
ENSG00000157240	FZD1	13.62	18.69	1.37	0.000836183	0.004495164
ENSG00000160180	TFF3	39.76	54.48	1.37	0.008109544	0.018867673
ENSG00000166140	ZFYVE19	13.79	18.86	1.37	0.005047867	0.013626259
ENSG00000168734	PKIG	15.72	21.5	1.37	0.009486536	0.021066878
ENSG00000174851	YIF1A	56.36	77	1.37	0.014707433	0.028421933
ENSG00000178605	GTPBP6	32.12	44.03	1.37	0.010409786	0.022429479
ENSG00000182362	YBEY	14.49	19.79	1.37	0.003106987	0.009941936
ENSG00000198189	HSD17B11	54.83	75.32	1.37	0.002754803	0.009208022
ENSG00000212747	FAM127C	28.09	38.36	1.37	0.000108094	0.00169706
ENSG00000227115	RP11-267C16.1	14.08	19.31	1.37	0.003275317	0.010204038
ENSG00000232388	LINC00493	60.9	83.43	1.37	0.000900032	0.004666136
ENSG00000100288	CHKB	25.81	35.59	1.38	0.021554047	0.037816739
ENSG00000100348	TXN2	110.13	152.09	1.38	0.004150657	0.011946102
ENSG00000116819	TFAP2E	19.59	27	1.38	0.003008852	0.009766878
ENSG00000122481	RWDD3	29.14	40.16	1.38	0.003035686	0.009822257
ENSG00000124596	OARD1	39.02	53.84	1.38	0.003495199	0.010636485
ENSG00000132635	PCED1A	15.29	21.06	1.38	0.016030553	0.030272811

ENSG00000135903	PAX3	55.49	76.8	1.38	0.014343427	0.027960497
ENSG00000137124	ALDH1B1	63.58	87.46	1.38	1.65E-05	0.000811424
ENSG00000204227	RING1	24.4	33.76	1.38	0.001277464	0.00573523
ENSG00000231686	RP1-203P18.1	27.25	37.71	1.38	0.001637022	0.006694074
ENSG00000233558	RP3-486I3.4	297.49	409.4	1.38	0.000312945	0.002682297
ENSG00000255135	RP11-111M22.3	23.18	31.92	1.38	0.026695571	0.043962058
ENSG00000064961	HMG20B	36.84	51.15	1.39	0.01333933	0.026558011
ENSG00000105726	ATP13A1	43.67	60.71	1.39	0.001890098	0.007228285
ENSG00000119772	DNMT3A	43.42	60.17	1.39	0.00278475	0.009294963
ENSG00000123353	ORMDL2	33	45.79	1.39	0.012551204	0.025451743
ENSG00000130669	PAK4	26.27	36.44	1.39	0.01195601	0.024626356
ENSG00000132781	MUTYH	17.79	24.76	1.39	0.004271701	0.012183119
ENSG00000137133	HINT2	41.68	57.73	1.39	0.000174653	0.002031195
ENSG00000143303	RRNAD1	13.3	18.55	1.39	0.027761506	0.045197379
ENSG00000152078	TMEM56	23.37	32.41	1.39	0.001231368	0.005651846
ENSG00000167965	MLST8	29.76	41.28	1.39	0.009091601	0.020447443
ENSG00000171094	ALK	33.89	47.09	1.39	4.50E-05	0.001201671
ENSG00000177595	PIDD1	14.44	20.12	1.39	0.001733562	0.006902833
ENSG00000180879	SSR4	173.55	240.78	1.39	0.000566031	0.003642183
ENSG00000183648	NDUFB1	186.33	258.84	1.39	0.014263818	0.027884112
ENSG00000196313	POM121	26.48	36.93	1.39	0.000564226	0.003641591
ENSG00000223403	MEG9	17.99	25.08	1.39	0.002753996	0.009208022
ENSG00000231419	LINC00689	28.03	39.1	1.39	0.000977749	0.004873096
ENSG00000256646	PSMA2	12.91	17.98	1.39	0.004346049	0.012283895
ENSG00000267855	NDUFA7	85.28	118.52	1.39	0.001604728	0.006607785
ENSG00000112319	EYA4	20.69	29.02	1.4	0.001352307	0.005930313
ENSG00000127914	AKAP9	36.11	50.48	1.4	0.00187729	0.007220229
ENSG00000141385	AFG3L2	32.35	45.37	1.4	0.000986014	0.004891747

ENSG00000168938	PPIC	34.65	48.35	1.4	0.00016214	0.001973676
ENSG00000175309	PHYKPL	19.75	27.58	1.4	0.001105047	0.00528788
ENSG00000178104	PDE4DIP	40.24	56.33	1.4	0.003577639	0.010796925
ENSG00000185883	ATP6VOC	69.38	97.17	1.4	0.008041048	0.018763769
ENSG00000196123	KIAA0895L	32.25	44.99	1.4	0.007564144	0.018047132
ENSG00000213339	QTRT1	12.94	18.11	1.4	0.001316352	0.005835909
ENSG00000255931	RP11-286N22.10	16.03	22.51	1.4	0.000279131	0.002511116
ENSG00000269951	RP11-797A18.6	27.92	39.04	1.4	0.001704581	0.006851692
ENSG00000072195	SPEG	28.34	40.09	1.41	0.007301866	0.017640261
ENSG00000095321	CRAT	16.95	23.98	1.41	0.002665337	0.009056393
ENSG00000105404	RABAC1	114.52	161.47	1.41	0.00927494	0.020743347
ENSG00000130222	GADD45G	28.08	39.7	1.41	0.021598153	0.037850863
ENSG00000167232	ZNF91	19.01	26.72	1.41	0.000957687	0.004837441
ENSG00000167476	JSRP1	39.85	56.18	1.41	0.007002579	0.017189802
ENSG00000167578	RAB4B	15.1	21.23	1.41	0.007082075	0.017315188
ENSG00000172613	RAD9A	13.52	19.03	1.41	0.013679617	0.027050834
ENSG00000236144	TMEM147-AS1	18.06	25.41	1.41	0.003300253	0.010254668
ENSG00000243279	PRAF2	30.64	43.16	1.41	0.000153678	0.001941991
ENSG00000013619	MAMLD1	16.8	23.83	1.42	0.000127875	0.00177759
ENSG00000140939	NOL3	23.79	33.78	1.42	0.006982994	0.01715064
ENSG00000149476	TKFC	19.04	27.07	1.42	0.014249154	0.027884112
ENSG00000152192	POU4F1	91.27	129.34	1.42	9.19E-06	0.000670828
ENSG00000156858	PRR14	12.49	17.74	1.42	0.000172683	0.002023774
ENSG00000162542	TMCO4	17.7	25.15	1.42	0.018138502	0.033153307
ENSG00000169609	C15orf40	21.4	30.41	1.42	0.024425188	0.041082678
ENSG00000173818	ENDOV	17.39	24.63	1.42	0.020941554	0.036963917
ENSG00000174917	C19orf70	63.24	89.75	1.42	0.007639417	0.018140255
ENSG00000185808	PIGP	21.36	30.34	1.42	0.010532516	0.022642274



ENSG00000235194	PPP1R3E	11.87	16.87	1.42	0.023465839	0.039870186
ENSG00000100439	ABHD4	17.71	25.26	1.43	0.001883353	0.007223815
ENSG00000105373	GLTSCR2	158.88	227.93	1.43	0.000636186	0.003918525
ENSG00000110171	TRIM3	19.56	27.89	1.43	0.007588091	0.018086332
ENSG00000130684	ZNF337	18.1	25.87	1.43	5.15E-05	0.001259689
ENSG00000148362	C9orf142	40.09	57.33	1.43	0.004530266	0.012586145
ENSG00000149357	LAMTOR1	79.25	113.01	1.43	0.001887814	0.00722681
ENSG00000152104	PTPN14	21.75	31	1.43	0.000946798	0.004807959
ENSG00000161267	BDH1	41.39	58.99	1.43	0.004798779	0.01311311
ENSG00000162585	FAAP20	87.86	125.75	1.43	0.009744323	0.021465688
ENSG00000179818	PCBP1-AS1	58.9	84.37	1.43	0.008936295	0.020184659
ENSG00000181929	PRKAG1	46.88	66.84	1.43	0.001253946	0.005680234
ENSG00000063322	MED29	28.73	41.28	1.44	0.000195864	0.002131491
ENSG00000137221	TJAP1	28.78	41.37	1.44	0.00171346	0.006869838
ENSG00000144591	GMPPA	19.7	28.39	1.44	0.01606392	0.030287382
ENSG00000145819	ARHGAP26	14.38	20.72	1.44	5.74E-05	0.001304455
ENSG00000158292	GPR153	51.67	74.53	1.44	0.000342447	0.00279823
ENSG00000161265	U2AF1L4	18.19	26.12	1.44	0.028992092	0.046685867
ENSG00000169718	DUS1L	146.17	210.56	1.44	0.001912156	0.007259738
ENSG00000180901	KCTD2	42.84	61.71	1.44	1.31E-05	0.00075304
ENSG00000196843	ARID5A	23.67	34.04	1.44	0.004508356	0.012562222
ENSG00000213689	TREX1	14.47	20.87	1.44	0.002275332	0.008116611
ENSG00000259431	THTPA	13.57	19.49	1.44	0.00484559	0.013213466
ENSG00000263072	ZNF213-AS1	11.87	17.09	1.44	0.000777223	0.004333915
ENSG00000100983	GSS	49.67	72.13	1.45	0.000185768	0.002066289
ENSG00000123179	EBPL	36.8	53.21	1.45	0.006684579	0.016653338
ENSG00000142700	DMRTA2	25.7	37.14	1.45	0.001652145	0.006732598
ENSG00000143801	PSEN2	45.09	65.3	1.45	0.000546183	0.003572886

ENSG00000152620	NADK2	45.88	66.45	1.45	0.007673373	0.018177923
ENSG00000166311	SMPD1	16.7	24.16	1.45	0.000791118	0.004367439
ENSG00000180178	FAR2P1	17.02	24.65	1.45	0.014538114	0.028169559
ENSG00000182379	NXP4	103.91	150.99	1.45	0.000589449	0.00372828
ENSG00000197576	HOXA4	11.33	16.38	1.45	0.008022251	0.018734254
ENSG00000213676	ATF6B	51.72	75.22	1.45	0.005513813	0.014491785
ENSG00000215386	MIR99AHG	24.91	36.01	1.45	0.003849384	0.011348715
ENSG00000221986	MYBPHL	13.73	19.89	1.45	0.012979055	0.026096244
ENSG00000238041	RP11-59K5.1	30.8	44.74	1.45	0.026984083	0.044287658
ENSG00000260521	CTD-2576F9.1	30.43	44.03	1.45	0.0018065	0.00708743
ENSG00000266094	RASSF5	11.37	16.53	1.45	0.000459195	0.0032761
ENSG00000007376	RPUSD1	31.23	45.48	1.46	0.012797327	0.025796746
ENSG00000065361	ERBB3	51.67	75.24	1.46	0.016705595	0.031136751
ENSG00000072422	RHOBTB1	23.39	34.22	1.46	4.97E-05	0.001257003
ENSG00000103148	NPRL3	29.92	43.61	1.46	0.002594493	0.008866709
ENSG00000106538	RARRES2	144.42	211.14	1.46	0.00491476	0.013348137
ENSG00000108479	GALK1	35.41	51.54	1.46	0.00746085	0.01785086
ENSG00000123600	METTL8	29.6	43.2	1.46	0.003147997	0.010006762
ENSG00000125652	ALKBH7	27.91	40.65	1.46	0.006955159	0.017108968
ENSG00000130159	ECSIT	34.19	50.05	1.46	0.002946458	0.009623873
ENSG00000135047	CTSL	28.31	41.26	1.46	0.000355231	0.002848483
ENSG00000160058	BSDC1	46.25	67.7	1.46	4.29E-06	0.000634025
ENSG00000161149	TUBA3FP	19.61	28.69	1.46	0.001209819	0.00561846
ENSG00000167123	CERCAM	36.32	52.92	1.46	0.003176125	0.010052695
ENSG00000168874	ATOH8	178.31	261.14	1.46	0.000717436	0.004144461
ENSG00000175482	POLD4	45.73	66.72	1.46	0.007252284	0.017610559
ENSG00000180891	CUEDC1	47.37	69.11	1.46	0.001615454	0.006640375
ENSG00000189077	TMEM120A	38.09	55.68	1.46	0.007847556	0.018448984

ENSG00000196878	LAMB3	12.98	18.92	1.46	0.000554111	0.00359487
ENSG00000249780	RP11-352E6.2	128.85	187.66	1.46	0.004054154	0.011739895
ENSG00000255794	RMST	13.55	19.84	1.46	0.000518505	0.003453973
ENSG00000269837	IPO5P1	23.19	33.83	1.46	0.012587296	0.025493053
ENSG00000272752	STAG3L5P-PVRIG2P-PILRB	11.02	16.05	1.46	0.000397953	0.003036401
ENSG00000079313	REXO1	33.84	49.79	1.47	0.005547102	0.014554978
ENSG00000086062	B4GALT1	22.55	33.06	1.47	0.000177864	0.002031195
ENSG00000100577	GSTZ1	12.05	17.77	1.47	0.000396546	0.003030562
ENSG00000100629	CEP128	13.79	20.21	1.47	0.027876331	0.045306233
ENSG00000103168	TAF1C	14.25	20.94	1.47	0.010340372	0.022330855
ENSG00000122180	MYOG	690.57	1016.85	1.47	0.000354597	0.002848232
ENSG00000137203	TFAP2A	17.31	25.42	1.47	0.006715737	0.016702699
ENSG00000156795	WDYHV1	21.24	31.16	1.47	0.002089553	0.007704106
ENSG00000232442	CTD-3184A7.4	16.59	24.31	1.47	0.000838277	0.004499072
ENSG00000237437	ASS1P12	12.33	18.16	1.47	0.000422181	0.003107817
ENSG00000256664	RP11-611O2.3	14.68	21.62	1.47	0.008482104	0.019513384
ENSG00000125967	NECAB3	25.49	37.76	1.48	0.003402536	0.010475996
ENSG00000163162	RNF149	20.06	29.71	1.48	0.00464828	0.012808534
ENSG00000164879	CA3	110.92	164.6	1.48	5.62E-05	0.001303409
ENSG00000167081	PBX3	17.13	25.38	1.48	0.009146796	0.02053247
ENSG00000204387	C6orf48	158.72	234.45	1.48	0.000490364	0.003376081
ENSG00000007314	SCN4A	13.03	19.39	1.49	0.000793407	0.004367439
ENSG00000133027	PEMT	46.82	69.92	1.49	0.003824773	0.011297313
ENSG00000141349	G6PC3	54.22	80.99	1.49	4.37E-05	0.001201671
ENSG00000151131	C12orf45	19.65	29.34	1.49	0.001699496	0.006842897
ENSG00000162086	ZNF75A	21.2	31.54	1.49	0.011741382	0.024375624
ENSG00000172663	TMEM134	20.63	30.78	1.49	0.01796738	0.032891448
ENSG00000182986	ZNF320	19.6	29.13	1.49	0.00657126	0.016494892

ENSG00000240225	ZNF542P	17.42	25.98	1.49	0.000414266	0.003077624
ENSG00000100350	FOXRED2	22.44	33.57	1.5	0.001065568	0.005161721
ENSG00000102781	KATNAL1	10.44	15.7	1.5	0.00152535	0.006405477
ENSG00000103187	COTL1	35.75	53.45	1.5	4.11E-05	0.001176568
ENSG00000105698	USF2	82.48	124.09	1.5	5.57E-05	0.001303409
ENSG00000124702	KLHDC3	67.32	101.31	1.5	2.89E-05	0.001056303
ENSG00000130382	MLLT1	39.99	59.89	1.5	0.000134522	0.001812762
ENSG00000141447	OSBPL1A	11.07	16.61	1.5	0.007146271	0.017442811
ENSG00000155254	MARVELD1	26.94	40.39	1.5	0.000113184	0.001711028
ENSG00000164093	PITX2	144.23	216.96	1.5	0.000636356	0.003918525
ENSG00000175854	SWI5	30.66	46.06	1.5	0.000438609	0.003169064
ENSG00000182195	LDOC1	49.93	74.85	1.5	0.000333256	0.00277107
ENSG00000237187	NR2F1-AS1	10.69	16.07	1.5	0.009229277	0.020658708
ENSG00000239474	KLHL41	19.82	29.72	1.5	0.000792753	0.004367439
ENSG00000059122	FLYWCH1	10.89	16.49	1.51	0.008842748	0.020079164
ENSG00000107021	TBC1D13	28.35	42.83	1.51	0.000364192	0.002884071
ENSG00000130707	ASS1	1230.56	1854.37	1.51	0.000144823	0.001889497
ENSG00000167106	FAM102A	10.59	16	1.51	0.007361447	0.017753786
ENSG00000172456	FGGY	25.49	38.61	1.51	0.01085651	0.023138672
ENSG00000177108	ZDHHC22	16.26	24.5	1.51	5.19E-06	0.000670828
ENSG00000196976	LAGE3	41.02	62.05	1.51	0.003703578	0.011063882
ENSG00000197124	ZNF682	13.77	20.81	1.51	0.015087421	0.028943091
ENSG00000245937	LINC01184	11.5	17.31	1.51	0.000503008	0.003421387
ENSG00000272573	MUSTN1	112.77	169.85	1.51	0.000208879	0.002156943
ENSG00000049130	KITLG	17.56	26.67	1.52	0.000177923	0.002031195
ENSG00000066468	FGFR2	28.94	43.92	1.52	5.55E-05	0.001303409
ENSG00000108823	SGCA	74.16	113.04	1.52	0.000106749	0.00169706
ENSG00000115129	TP53I3	87.5	132.96	1.52	0.002181102	0.00794036

ENSG00000132854	KANK4	33.49	51.04	1.52	0.000113011	0.001711028
ENSG00000159110	IFNAR2	25.83	39.29	1.52	0.001366349	0.005954697
ENSG00000162066	AMDHD2	12.49	18.99	1.52	0.028093259	0.045544834
ENSG00000166340	TPP1	35.79	54.29	1.52	0.009793563	0.021503951
ENSG00000181938	GINS3	31.73	48.28	1.52	0.000346398	0.002820756
ENSG00000198931	APRT	83.82	127.71	1.52	0.000197951	0.002138411
ENSG00000224361	AC011239.1	24.81	37.74	1.52	0.001059145	0.005141151
ENSG00000225190	PLEKHM1	16.94	25.74	1.52	0.031596453	0.049743349
ENSG00000260442	ATP2A1-AS1	16.47	25.02	1.52	0.010206093	0.022090724
ENSG00000276345	AC004556.1	9.87	15.03	1.52	0.024478529	0.041128457
ENSG00000076984	MAP2K7	17.99	27.46	1.53	0.002159622	0.007906212
ENSG00000124216	SNAI1	83.72	128.01	1.53	0.000121989	0.001767664
ENSG00000125968	ID1	57.94	88.61	1.53	0.000512755	0.003430228
ENSG00000157693	C9orf91	9.84	15.04	1.53	0.001268845	0.005727587
ENSG00000172594	SMPDL3A	18.15	27.71	1.53	0.005071337	0.013678998
ENSG00000182158	CREB3L2	16.52	25.21	1.53	1.67E-05	0.000811424
ENSG00000225308	ASS1P11	30.4	46.4	1.53	0.000340363	0.002794086
ENSG00000244270	RPL32P29	19.39	29.58	1.53	0.005262016	0.01400141
ENSG00000264364	DYNLL2	16.67	25.53	1.53	2.10E-05	0.000888107
ENSG00000100429	HDAC10	15	23.11	1.54	0.008258796	0.01913011
ENSG00000112304	ACOT13	12.86	19.83	1.54	0.004185219	0.012008984
ENSG00000123636	BAZ2B	14.66	22.53	1.54	0.004424179	0.012400828
ENSG00000131408	NR1H2	16.28	25.13	1.54	0.000548234	0.003577099
ENSG00000135502	SLC26A10	15.24	23.54	1.54	0.00763692	0.018140255
ENSG00000137720	C11orf1	19.54	30.03	1.54	0.008810087	0.020036059
ENSG00000141198	TOM1L1	10.22	15.69	1.54	0.004396256	0.012351883
ENSG00000168273	SMIM4	34.86	53.53	1.54	0.02046868	0.03628888
ENSG00000232445	RP11-132A1.4	25.02	38.62	1.54	0.004244485	0.012127466

ENSG00000272831	RP11-792A8.4	9.29	14.3	1.54	0.01658169	0.030966913
ENSG00000167778	SPRYD3	9.09	14.13	1.55	0.000349471	0.002822328
ENSG00000174456	C12orf76	10.07	15.57	1.55	0.000403651	0.003060101
ENSG00000175161	CADM2	13.17	20.39	1.55	0.01597872	0.030220422
ENSG00000176155	CCDC57	59.62	92.23	1.55	0.00901758	0.020339078
ENSG00000197077	KIAA1671	30.49	47.23	1.55	4.00E-05	0.001159681
ENSG00000204592	HLA-E	24.61	38.23	1.55	6.25E-05	0.00134622
ENSG00000221923	ZNF880	12.57	19.54	1.55	0.001910767	0.007259738
ENSG00000223749	MIR503HG	33.8	52.44	1.55	0.005334183	0.014113919
ENSG00000231884	NDUFB1P1	24.11	37.47	1.55	0.012525617	0.025433573
ENSG00000233968	RP11-354E11.2	13.59	21.01	1.55	0.012619447	0.025542918
ENSG00000249042	CTD-2015H6.3	23.54	36.48	1.55	0.000104286	0.001681039
ENSG00000267100	ILF3-AS1	16.73	25.97	1.55	0.000111029	0.00169706
ENSG00000064655	EYA2	58.05	90.47	1.56	8.97E-05	0.001583918
ENSG00000115042	FAHD2A	16.11	25.1	1.56	0.002239415	0.008037049
ENSG00000115274	INO80B	17.67	27.48	1.56	0.009497294	0.021073571
ENSG00000119632	IFI27L2	48.56	75.9	1.56	0.00281947	0.009383115
ENSG00000126005	MMP24-AS1	41.74	64.97	1.56	0.000689557	0.004052022
ENSG00000130005	GAMT	14.97	23.28	1.56	0.004013678	0.011672785
ENSG00000130724	CHMP2A	63.16	98.74	1.56	1.23E-05	0.000733159
ENSG00000184481	FOXO4	9.51	14.82	1.56	0.002746092	0.009208022
ENSG00000050426	LETMD1	39.68	62.39	1.57	0.000206964	0.002155667
ENSG00000084628	NKAIN1	9.35	14.67	1.57	0.000846093	0.004520471
ENSG00000158604	TMED4	55.75	87.25	1.57	7.91E-06	0.000670828
ENSG00000164933	SLC25A32	17.94	28.13	1.57	0.000434368	0.003161051
ENSG00000177674	AGTRAP	12.62	19.76	1.57	0.003460558	0.010609125
ENSG00000183741	CBX6	18.4	28.84	1.57	0.000332774	0.00277107
ENSG00000205544	TMEM256	72.14	113.02	1.57	3.70E-05	0.00115674

ENSG00000231789	PIK3CD-AS2	9.32	14.6	1.57	0.013136442	0.026334217
ENSG00000269186	LINC01082	31.9	50.24	1.57	0.000373023	0.002921704
ENSG00000279088	RP11-574K11.24	13.78	21.58	1.57	0.001193529	0.005559217
ENSG00000106610	STAG3L4	11.06	17.53	1.58	0.013469454	0.026740744
ENSG00000114779	ABHD14B	15.39	24.28	1.58	0.000278785	0.002511116
ENSG00000132185	FCRLA	147.74	232.98	1.58	2.33E-05	0.000925111
ENSG00000136630	HLX	17.73	27.98	1.58	0.008848541	0.020081463
ENSG00000205707	LYRM5	17.57	27.83	1.58	0.00105027	0.00510332
ENSG00000237745	AC009963.5	35.32	55.7	1.58	0.005926528	0.015304084
ENSG00000274943	RP11-351C21.2	12.39	19.54	1.58	0.000228547	0.002259004
ENSG00000105223	PLD3	617.83	983.01	1.59	0.000535042	0.003529332
ENSG00000104081	BMF	11.25	17.95	1.6	0.002510684	0.008693519
ENSG00000105379	ETFB	23.09	36.92	1.6	0.001104131	0.00528788
ENSG00000108439	PNPO	8.55	13.69	1.6	0.001250136	0.005680234
ENSG00000158525	CPA5	10.46	16.76	1.6	0.029718487	0.047547566
ENSG00000172346	CSDC2	8.33	13.36	1.6	0.001730692	0.006901975
ENSG00000176435	CLEC14A	38.41	61.46	1.6	3.89E-05	0.001159681
ENSG00000197381	ADARB1	15.72	25.1	1.6	0.001431373	0.006122458
ENSG00000090238	YPEL3	14.74	23.72	1.61	0.000536558	0.003529439
ENSG00000108641	B9D1	15.97	25.71	1.61	0.001008357	0.004940322
ENSG00000140564	FURIN	14.54	23.37	1.61	0.003539909	0.010717248
ENSG00000168000	BSCL2	14.99	24.16	1.61	0.000570165	0.00365882
ENSG00000224032	EPB41L4A-AS1	67.22	108.02	1.61	0.011693464	0.024318904
ENSG00000224051	CPTP	11.65	18.75	1.61	0.005863075	0.015221843
ENSG00000235423	RP11-282O18.3	8.6	13.82	1.61	0.002570527	0.008810303
ENSG00000091622	PITPNM3	33.9	55.02	1.62	0.000341223	0.002794086
ENSG00000106404	CLDN15	9.64	15.66	1.62	0.015111819	0.028966365
ENSG00000108469	RECQL5	27.73	44.79	1.62	0.000427929	0.003123818

ENSG00000110888	CAPRIN2	21.58	35.03	1.62	0.003427617	0.010532717
ENSG00000140332	TLE3	47.44	76.9	1.62	0.000250397	0.002398747
ENSG00000187699	C2orf88	16.25	26.25	1.62	0.000575377	0.003663793
ENSG00000241990	PRR34-AS1	15.82	25.67	1.62	0.011619464	0.024243146
ENSG00000273036	FAM95C	14.48	23.42	1.62	0.004626869	0.012777703
ENSG00000116990	MYCL	15.21	24.79	1.63	7.28E-05	0.001414125
ENSG00000132481	TRIM47	15.59	25.37	1.63	0.018553852	0.033737979
ENSG00000135473	PAN2	23.39	38.21	1.63	0.003454813	0.010602393
ENSG00000173114	LRRN3	17.32	28.26	1.63	0.00011832	0.001751806
ENSG00000177675	CD163L1	23.82	38.79	1.63	0.011389915	0.023908697
ENSG00000237732	AC010980.2	35.1	57.26	1.63	0.000391009	0.003007711
ENSG00000242265	PEG10	487.14	792.63	1.63	0.000147713	0.001910062
ENSG00000115657	ABCB6	21.01	34.47	1.64	0.005332446	0.014113919
ENSG00000143512	HHIPL2	35.36	57.96	1.64	0.023115947	0.039599788
ENSG00000156603	MED19	22.67	37.09	1.64	0.001301097	0.005798937
ENSG00000162885	B3GALNT2	16.63	27.32	1.64	9.59E-07	0.00054952
ENSG00000211747	TRBV20-1	33.48	55.07	1.64	0.001857737	0.007185989
ENSG00000100292	HMOX1	13.76	22.68	1.65	9.28E-06	0.000670828
ENSG00000112977	DAP	27.79	45.8	1.65	0.000526633	0.003488479
ENSG00000113504	SLC12A7	21.55	35.5	1.65	0.000175626	0.002031195
ENSG00000113838	TBCCD1	9.68	15.98	1.65	0.00012512	0.00177759
ENSG00000144026	ZNF514	9.44	15.56	1.65	0.007017178	0.017198824
ENSG00000166619	BLCAP	237.54	390.93	1.65	8.35E-05	0.001522897
ENSG00000167555	ZNF528	11.51	19.03	1.65	0.031653858	0.049800524
ENSG00000196569	LAMA2	8.64	14.27	1.65	0.000947747	0.004807959
ENSG00000228106	RP11-452F19.3	21.07	34.83	1.65	0.004170865	0.011975074
ENSG00000256073	URB1-AS1	8.02	13.27	1.65	0.000255906	0.002412461
ENSG00000106066	CPVL	8.53	14.16	1.66	0.002506516	0.008693519



ENSG00000169116	PARM1	62.37	103.31	1.66	2.76E-07	0.000434796
ENSG00000181666	HKR1	22.85	37.86	1.66	0.003028755	0.009811255
ENSG00000107829	FBXW4	46.21	77.01	1.67	6.97E-05	0.001407264
ENSG00000135679	MDM2	34.29	57.18	1.67	0.011376425	0.023890998
ENSG00000162144	CYB561A3	16.75	28.08	1.68	0.000199851	0.00214271
ENSG00000148343	FAM73B	16.21	27.45	1.69	3.95E-05	0.001159681
ENSG00000151746	BICD1	13.55	22.91	1.69	8.42E-05	0.001529234
ENSG00000253982	CTD-2336O2.1	10.74	18.14	1.69	0.001333598	0.00588103
ENSG00000108679	LGALS3BP	126.25	214.74	1.7	0.000214795	0.002191098
ENSG00000129009	ISLR	23.85	40.66	1.7	0.000247602	0.002390409
ENSG00000196562	SULF2	160.72	272.5	1.7	5.01E-05	0.001257003
ENSG00000198838	RYR3	12.42	21.3	1.71	0.000836597	0.004495164
ENSG00000215039	CD27-AS1	22.91	39.16	1.71	0.003892185	0.011439198
ENSG00000114790	ARHGFE26	9.93	17.05	1.72	5.72E-05	0.001304455
ENSG00000135549	PKIB	7.62	13.09	1.72	0.001897872	0.007240428
ENSG00000160606	TLCD1	8.74	15.03	1.72	0.014512152	0.028169559
ENSG00000168542	COL3A1	24.26	41.78	1.72	0.000691071	0.004054086
ENSG00000239911	PRKAG2-AS1	9.99	17.19	1.72	0.000919958	0.004738236
ENSG00000243646	IL10RB	7.19	12.37	1.72	0.000549669	0.003577099
ENSG00000251580	RP11-539L10.3	8.07	13.87	1.72	0.002817495	0.009383115
ENSG00000159184	HOXB13	8.64	14.92	1.73	0.000312385	0.002682297
ENSG00000204410	MSH5	7.65	13.25	1.73	0.0113959	0.023910634
ENSG00000130311	DDA1	27.89	48.51	1.74	0.000812905	0.004438553
ENSG00000135919	SERPINE2	113.47	196.98	1.74	6.81E-06	0.000670828
ENSG00000188242	PP7080	13.19	22.99	1.74	0.000191757	0.002096453
ENSG00000189056	RELN	33.59	58.33	1.74	0.000213101	0.002179626
ENSG00000204946	ZNF783	8.45	14.68	1.74	0.001906062	0.007248253
ENSG00000258675	RP11-299L17.3	8.48	14.77	1.74	0.015052117	0.028910593

ENSG00000278254	RP4-668E10.4	9.99	17.34	1.74	7.52E-05	0.001423144
ENSG00000063176	SPHK2	18.03	31.64	1.75	0.000634607	0.003918525
ENSG00000101445	PPP1R16B	24.3	42.49	1.75	1.59E-06	0.00054952
ENSG00000121413	ZSCAN18	18.24	31.86	1.75	0.001899979	0.007240584
ENSG00000128285	MCHR1	13.36	23.4	1.75	0.000100847	0.001671236
ENSG00000141519	CCDC40	13.17	23.07	1.75	0.00056493	0.003641591
ENSG00000081189	MEF2C	55.94	98.23	1.76	0.000176736	0.002031195
ENSG00000151689	INPP1	65.23	114.86	1.76	3.98E-06	0.000634025
ENSG00000161677	JOSD2	29.04	51.05	1.76	0.001304815	0.005798937
ENSG00000186111	PIP5K1C	12.28	21.74	1.77	0.000107235	0.00169706
ENSG00000231680	AP003774.6	15.16	26.88	1.77	0.000368056	0.002892044
ENSG00000279930	LA16c-312E8.4	40.06	70.8	1.77	0.000683401	0.004044742
ENSG00000253299	RP11-316J7.4	15.22	27.02	1.78	0.017358638	0.032051766
ENSG00000125746	EML2	8.81	15.78	1.79	0.011522196	0.024100678
ENSG00000160446	ZDHHC12	27.34	49	1.79	0.000106001	0.00169706
ENSG00000170161	RP11-262H14.4	21.96	39.36	1.79	0.015895476	0.030126137
ENSG00000064989	CALCRL	7.47	13.51	1.81	0.000931373	0.004760142
ENSG00000117318	ID3	337.84	610.77	1.81	0.00021137	0.002174947
ENSG00000166482	MFAP4	85.48	154.77	1.81	0.000113248	0.001711028
ENSG00000183091	NEB	58.52	105.78	1.81	4.37E-05	0.001201671
ENSG00000241484	ARHGAP8	30.68	55.57	1.81	0.000413599	0.003077624
ENSG00000062524	LTK	9.03	16.46	1.82	0.000820263	0.004458028
ENSG00000139508	SLC46A3	13.42	24.43	1.82	6.62E-05	0.001387738
ENSG00000173641	HSPB7	72.04	130.76	1.82	0.00130516	0.005798937
ENSG00000255327	RP11-555G19.1	6.37	11.61	1.82	0.003334849	0.010321424
ENSG00000071991	CDH19	11.17	20.44	1.83	7.02E-06	0.000670828
ENSG00000133250	ZNF414	13.03	23.85	1.83	0.007280839	0.017640261
ENSG00000137834	SMAD6	6.79	12.43	1.83	0.000917335	0.004738236

ENSG00000226562	CYP4F26P	6.08	11.15	1.83	0.001547451	0.006450673
ENSG00000267034	RP11-384O8.1	23.22	42.58	1.83	0.000201309	0.002148284
ENSG00000049323	LTBP1	43.78	80.73	1.84	0.000187132	0.002066289
ENSG00000112773	FAM46A	6.93	12.75	1.84	0.000190603	0.002088675
ENSG00000133216	EPHB2	24.65	45.33	1.84	0.000234659	0.002299363
ENSG00000104043	ATP8B4	11.59	21.45	1.85	0.00067459	0.004010178
ENSG00000185633	NDUFA4L2	9.12	16.84	1.85	0.012151333	0.02485081
ENSG00000188493	C19orf54	15.07	27.87	1.85	0.000408175	0.003064882
ENSG00000237172	B3GNT9	11.91	22.08	1.85	2.40E-05	0.000936719
ENSG00000120693	SMAD9	15.52	29.02	1.87	0.001868362	0.007203488
ENSG00000251418	RP11-655B23.1	8.36	15.85	1.9	0.018229772	0.03328149
ENSG00000101144	BMP7	24.86	47.47	1.91	0.000262469	0.002447343
ENSG00000258509	RP11-857B24.3	35.81	68.54	1.91	0.000591758	0.003736463
ENSG00000268518	CTD-2545M3.8	39.95	76.45	1.91	0.003662352	0.010968478
ENSG00000078902	TOLLIP	24.25	46.46	1.92	0.000933866	0.00476312
ENSG00000164674	SYTL3	7.69	14.93	1.94	5.83E-05	0.001305099
ENSG00000013563	DNASE1L1	18.6	36.29	1.95	0.000672985	0.004010178
ENSG00000099957	P2RX6	8.12	15.84	1.95	0.001556312	0.006476178
ENSG00000168890	TMEM150A	6.17	12.02	1.95	0.00172707	0.006900974
ENSG00000104946	TBC1D17	7.23	14.14	1.96	0.000463263	0.003287352
ENSG00000088053	GP6	15.43	30.33	1.97	0.000884659	0.00463734
ENSG00000155657	TTN	11.16	22.04	1.97	0.000304439	0.002638286
ENSG00000176978	DPP7	14.07	28.21	2	0.014518774	0.028169559
ENSG00000133243	BTBD2	17.9	36.14	2.02	0.001942027	0.007349515
ENSG00000157168	NRG1	5.91	12.18	2.06	1.73E-05	0.000831758
ENSG00000227877	MRLN	6.85	14.08	2.06	0.00188434	0.007223815
ENSG00000110400	PVRL1	67.69	140.88	2.08	0.00010075	0.001671236
ENSG00000151117	TMEM86A	7.42	15.45	2.08	0.000100698	0.001671236

ENSG00000198933	TBKBP1	11.8	24.58	2.08	0.00173903	0.006907853
ENSG00000235475	LINC01372	4.69	9.74	2.08	0.009035244	0.020359474
ENSG00000276771	HOTAIRM1_2	6.43	13.43	2.09	0.017359394	0.032051766
ENSG00000250479	CHCHD10	25.54	54.05	2.12	0.00036284	0.002880156
ENSG00000131398	KCNC3	4.96	10.59	2.14	6.04E-05	0.001326895
ENSG00000164920	OSR2	5.07	10.83	2.14	0.000161066	0.001970765
ENSG00000225129	RP4-614C15.2	4.65	9.99	2.15	0.000628928	0.003898197
ENSG00000187634	SAMD11	44.47	96.14	2.16	0.000206449	0.002155667
ENSG00000125266	EFNB2	9.1	19.83	2.18	4.86E-06	0.000670828
ENSG00000153993	SEMA3D	4.73	10.45	2.21	0.00062127	0.003860863
ENSG00000198125	MB	4.27	9.5	2.22	0.000425679	0.003112614
ENSG00000082196	C1QTNF3	21.01	47.11	2.24	9.76E-05	0.001651757
ENSG00000181408	UTS2R	5.28	11.83	2.24	0.007367652	0.017753786
ENSG00000223969	AC002456.2	29	65.32	2.25	0.002883846	0.009498191
ENSG00000102878	HSF4	4.2	9.75	2.32	0.029116384	0.04682216
ENSG00000143171	RXRG	31.32	72.7	2.32	1.05E-05	0.000699672
ENSG00000147100	SLC16A2	23.16	53.72	2.32	3.67E-06	0.000634025
ENSG00000241288	RP11-379B18.5	4.11	9.6	2.34	1.21E-05	0.000733159
ENSG00000072506	HSD17B10	91.48	216.29	2.36	8.58E-05	0.001546855
ENSG00000236654	AC079780.3	6.49	15.4	2.37	0.001216798	0.005641172
ENSG00000129170	CSRP3	3.55	8.64	2.43	0.000472461	0.003301062
ENSG00000145358	DDIT4L	7.53	18.69	2.48	3.12E-05	0.001103688
ENSG00000153404	PLEKHG4B	10.47	26.15	2.5	7.60E-05	0.001423144
ENSG00000188505	NCCRP1	9.85	24.6	2.5	0.000281479	0.00252742
ENSG00000227157	AC068535.2	34.29	85.75	2.5	3.19E-05	0.00110418
ENSG00000187398	LUZP2	7.94	20.74	2.61	7.10E-06	0.000670828
ENSG00000173762	CD7	23.57	62.09	2.63	0.000656965	0.003978004
ENSG00000228214	LINC00693	5.15	13.52	2.63	0.003566556	0.010777251

ENSG00000133315	MACROD1	19.75	52.83	2.67	0.001154798	0.005426974
ENSG00000122644	ARL4A	3.5	9.56	2.73	0.000166397	0.001999724
ENSG00000223764	RP11-54O7.3	3.52	9.74	2.77	0.000155222	0.001941991
ENSG00000103522	IL21R	16.11	45.54	2.83	3.15E-05	0.001103688
ENSG00000232524	RP11-332K15.1	10.3	29.17	2.83	0.001359066	0.005935149
ENSG00000213965	NUDT19	5.57	15.82	2.84	0.00013176	0.001793011
ENSG00000259712	CTD-2184D3.5	4.84	13.83	2.86	0.000323076	0.002739472
ENSG00000110025	SNX15	7.03	20.41	2.9	1.74E-06	0.00054952
ENSG00000145626	UGT3A1	9.04	28.8	3.19	0.000136439	0.001817797
ENSG00000211448	DIO2	31.1	99.5	3.2	0.000418693	0.003100377
ENSG00000111341	MGP	13.62	47.73	3.5	1.17E-05	0.000718571
ENSG00000125971	DYNLRB1	85.01	328.69	3.87	1.13E-07	0.000265913
ENSG00000149295	DRD2	4.49	17.39	3.87	0.000156667	0.001941991
ENSG00000248869	RP11-138I17.1	1.73	6.85	3.96	0.002060293	0.007625992
ENSG00000158050	DUSP2	1.73	7.02	4.06	0.000488681	0.003374328
ENSG00000201772	SNORA5C	0	8.11	8	0.000514304	0.003435727

## Supplementary Table S2: Primers used

### ChIP

EBSR F	GATTGAATCGGGGGAAGC
EBSR R	GGTCAGGTGCGAAGGACA
NCR F	AAGTGTTCCCTCCCACCTCAG
NCR R	GTGTGATGATGCATGCCTGT

### qRT-PCR

FYN F	GGTGTGAACTCTTCGTCTCATAC
FYN R	CTTCTGTCCGTGCTTCATAGTC
AXL F	CGTGGAGAACAGCGAGATTTA
AXL R	GACATCAAGGCATACAGTCCA
LOXL2 F	CTATGACCTGCTGAACCTCAAT
LOXL2 R	ATTCTTCTGGATGTCTCCTTCAC
PLAU F	GACAGTGCCTGGGAATGTATTA
PLAU R	AGGGATAACTGGCCAAGAAAG