

Supplementary Table 2. The downregulated and upregulated proteins in PCD/NC sperms

Protein accession	PCD/NC Ratio	Regulated Type	PCD/NC P value	Gene name	MW [kDa]	Score	Coverage [%]
O96007	4.598	Up	0.035879	MOCS2	20.944	7.9502	8
O95473	4.004	Up	0.0075602	SYNGR4	25.82	92.623	9.4
P49914	3.881	Up	0.0058961	MTHFS	23.255	18.3	24.6
O95352	3.325	Up	0.00156415	ATG7	77.959	11.102	7.5
P68871	3.307	Up	0.000097249	HBB	15.998	99.228	61.2
Q9H0N0	3.18	Up	0.000178678	RAB6C	28.355	65.651	12.2
Q9Y5E2	3.146	Up	0.00038351	PCDHB7	86.706	1.9804	1.4
P04264	3.089	Up	1.69E-05	KRT1	66.038	323.31	45.5
P02042	3.061	Up	0.000023214	HBD	16.055	46.705	50.3
Q9UKA8	3.059	Up	0.00125871	RCAN3	27.491	22.953	24.5
Q9UBI6	2.986	Up	1.90E-06	GNG12	8.0061	25.034	76.4
Q8NEP9	2.843	Up	0.0076404	ZNF555	73.084	-2	1.4
Q7Z7B7	2.676	Up	0.000044594	DEFB132	10.61	2.8519	10.5
Q9P2E3	2.675	Up	0.000078625	ZNFX1	220.22	-2	0.5
Q02224	2.567	Up	0.00199611	CENPE	316.41	2.6568	0.6
Q14012	2.557	Up	1.71E-05	CAMK1	41.337	141.54	33
Q9NQS7	2.55	Up	0.0181424	INCENP	105.43	3.7385	1.3
O43150	2.515	Up	0.00074057	ASAP2	111.65	2.1667	1.4
Q9ULC3	2.479	Up	0.00040092	RAB23	26.659	65.002	25.3
O94885	2.476	Up	0.00067541	SASH1	136.65	1.8742	0.8
P08473	2.468	Up	1.33E-06	MME	85.513	323.31	38.9
Q6UW15	2.466	Up	1.58E-05	REG3G	19.33	20.754	31.4
P20336	2.463	Up	0.000118259	RAB3A	24.984	61.303	15.9
Q86VY4	2.42	Up	0.00024373	TSPYL5	45.143	45.208	8.4
P34913	2.347	Up	0.000138599	EPHX2	62.615	185.49	35.5
Q9NWW6	2.271	Up	0.00022096	NMRK1	23.193	3.5277	6.5
P30041	2.254	Up	4.82E-07	PRDX6	25.035	323.31	58.9
P62834	2.244	Up	4.38E-06	RAP1A	20.987	60.554	47.3
Q8TDR0	2.195	Up	0.00084391	TRAF3IP1	78.631	11.169	6.8
P31151	2.179	Up	1.53E-06	S100A7	11.471	12.077	23.8
P54107	2.166	Up	0.000063204	CRISP1	28.481	308.57	36.5
P06730	2.164	Up	0.00054454	EIF4E	25.097	18.055	15.2
P52788	2.157	Up	0.00035991	SMS	41.268	72.89	31.7
Q9H0W9	2.071	Up	1.19E-06	C11orf54	35.117	73.79	29.2
Q8NG35	2.07	Up	0.0060038	DEFB105A	8.9225	3.2151	17.9
Q53EL6	2.069	Up	0.000140497	PDCD4	51.735	37.399	11.3
Q14508	2.046	Up	0.035404	WFDC2	12.993	16.276	21.8
Q6IAN0	2.038	Up	0.000040364	DHRS7B	35.119	20.372	12.6
Q9UBS8	2.036	Up	4.94E-06	RNF14	53.837	6.3123	9.3
B1AK53	2.029	Up	0.00162237	ESPN	91.732	62.291	11
Q9BRA2	2.026	Up	1.73E-06	TXNDC17	13.941	97.36	30.1
P84085	2.016	Up	0.00003504	ARF5	20.529	7.718	25.6
Q9UJC5	1.999	Up	0.0002429	SH3BGRL2	12.326	8.3103	11.2

P49223	1.982	Up	1.53E-05	SPINT3	10.252	34.157	29.2
Q9NRX4	1.978	Up	0.000022638	PHPT1	13.832	45.606	34.4
Q9UN36	1.967	Up	0.000057684	NDRG2	40.798	11.757	9.2
Q9H477	1.953	Up	0.0080773	RBKS	34.143	2.0916	3.1
Q687X5	1.952	Up	0.00012327	STEAP4	51.981	117.96	27.2
P78356	1.952	Up	0.000036779	PIP4K2B	47.377	22.559	17.3
P28161	1.948	Up	0.000081383	GSTM2	25.744	16.959	45
P02751	1.947	Up	1.58E-05	FN1	262.62	323.31	42.6
P21964	1.935	Up	0.000080428	COMT	30.037	82.715	37.3
Q7L5Y1	1.933	Up	1.63E-07	ENOSF1	49.786	78.575	36.3
P19801	1.929	Up	0.000082145	AOC1	85.377	74.553	20
P04424	1.927	Up	0.000102437	ASL	51.657	34.903	20
P53992	1.905	Up	1.92E-05	SEC24C	118.32	35.973	8.1
Q7LG56	1.894	Up	0.000035905	RRM2B	40.736	6.9679	8.5
Q9BR76	1.889	Up	0.000137404	CORO1B	54.234	71.177	29.9
Q9NVJ2	1.88	Up	0.00056006	ARL8B	21.539	42.6	24.2
P63096	1.873	Up	0.00042333	GNAI1	40.361	2.7863	21.2
Q7Z6K5	1.869	Up	3.00E-06	ARPIN	24.943	23.196	17.7
P63241	1.868	Up	0.000061267	EIF5A	16.832	36.063	39
Q9BUP0	1.865	Up	0.0000846	EFHD1	26.927	5.8788	17.6
P16455	1.86	Up	0.0105386	MGMT	21.646	2.2634	6.3
Q96QF0	1.853	Up	0.002317	RAB3IP	53.021	4.4061	4.2
Q9UHY7	1.85	Up	0.000082557	ENOPH1	28.932	80.239	30.3
P35222	1.844	Up	0.0002441	CTNNB1	85.496	59.2	12.4
Q9NUU7	1.843	Up	0.0119185	DDX19A	53.974	12.617	27.8
A6NIH7	1.842	Up	0.0013958	UNC119B	28.136	20.379	15.9
P49407	1.841	Up	0.000040264	ARRB1	47.065	19.136	14.4
Q01415	1.839	Up	9.44E-07	GALK2	50.378	9.9737	7
P80723	1.832	Up	2.35E-07	BASP1	22.693	323.31	87.2
P12036	1.824	Up	0.00003548	NEFH	112.48	137.09	23.1
O75828	1.822	Up	6.24E-07	CBR3	30.85	4.4121	23.8
Q9P287	1.818	Up	0.000175391	BCCIP	35.979	2.2005	5.1
Q9BWD1	1.814	Up	9.88E-07	ACAT2	41.35	141.42	22.4
P27348	1.81	Up	0.000043661	YWHAQ	27.764	140.03	46.1
Q86X27	1.805	Up	0.006698	RALGPS2	65.166	23.125	13.4
Q13938	1.803	Up	0.000022871	CAPS	20.967	33.198	30.2
Q8NEZ3	1.802	Up	0.0000421	WDR19	151.58	48.213	9.5
P61077	1.8	Up	0.000064485	UBE2D3	16.687	5.7221	12.2
P11766	1.796	Up	7.20E-07	ADH5	39.724	196.29	39
Q5TFE4	1.795	Up	0.000060568	NT5DC1	51.844	17.635	7.7
P62495	1.793	Up	0.000024282	ETF1	49.03	20.191	14.2
Q05639	1.791	Up	0.00036384	EEF1A2	50.47	16.09	36.9
P23526	1.79	Up	0.000044662	AHCY	47.716	97.284	45.4
P63098	1.79	Up	0.000039264	PPP3R1	19.3	7.7039	12.9
Q86TX2	1.785	Up	0.000061554	ACOT1	46.277	19.316	13.8
P49773	1.784	Up	0.00028426	HINT1	13.802	62.858	40.5
Q14019	1.782	Up	0.000039661	COTL1	15.945	130.8	61.3

Q14232	1.781	Up	0.0034185	EIF2B1	33.712	13.045	16.1
P61278	1.772	Up	0.00100332	SST	12.735	4.6079	9.5
Q12800	1.771	Up	0.00022483	TFCP2	57.255	34.396	10.2
P53384	1.766	Up	0.000035951	NUBP1	34.534	109.52	19.4
P04792	1.765	Up	0.000064469	HSPB1	22.782	263.96	56.6
P43487	1.764	Up	0.000100641	RANBP1	23.31	52.755	43.8
P25098	1.764	Up	0.0026605	GRK2	79.573	21.79	10.2
P52943	1.761	Up	2.77E-06	CRIP2	22.492	101.66	30.3
P12081	1.756	Up	0.000035227	HARS	57.41	31.158	17.9
Q9UPN3	1.755	Up	2.42E-06	MACF1	838.3	7.7101	0.4
Q9UHR4	1.754	Up	0.000060026	BAIAP2L1	56.882	29.285	11
Q9Y4E6	1.752	Up	0.00051951	WDR7	163.81	82.581	6.8
Q6GMV3	1.75	Up	0.00008115	PTRHD1	15.805	26.304	21.4
Q8N8N7	1.749	Up	0.00091536	PTGR2	38.499	66.592	15.7
P23528	1.746	Up	1.26E-07	CFL1	18.502	146.16	65.7
P30086	1.738	Up	0.000037234	PEBP1	21.057	102.98	62.6
O14745	1.738	Up	0.00090374	SLC9A3R1	38.868	57.74	32.7
Q15311	1.738	Up	0.0100376	RALBP1	76.063	10.558	9.6
P48506	1.737	Up	0.000036762	GCLC	72.765	169.57	25
Q8NCW5	1.737	Up	0.0028776	NAXE	31.674	27.119	28.8
P29992	1.734	Up	1.19E-06	GNA11	42.123	31.219	17.8
O95433	1.733	Up	0.000137233	AHSA1	38.274	176.73	34.3
Q12774	1.732	Up	0.00053938	ARHGEF5	176.8	5.989	2.3
P31939	1.731	Up	0.0045245	ATIC	64.615	151.98	30.1
Q9BVG4	1.731	Up	0.000199674	PBDC1	26.056	35.171	22.7
O96033	1.725	Up	0.0029424	MOCS2	9.7552	4.6769	21.6
Q8NFU3	1.724	Up	2.03E-06	TSTD1	12.53	36.511	40
P53004	1.722	Up	0.000022404	BLVRA	33.428	33.415	27.7
Q8TBC4	1.722	Up	0.000143069	UBA3	51.852	24.828	12.3
O75874	1.721	Up	0.00020145	IDH1	46.659	323.31	53.6
P13796	1.715	Up	0.000024779	LCP1	70.288	323.31	55.3
Q14166	1.713	Up	0.000022408	TTLL12	74.403	168	30.9
P14550	1.71	Up	0.000036761	AKR1A1	36.573	184.1	54.5
P53602	1.71	Up	0.0004812	MVD	43.404	25.159	18.5
Q53GD3	1.71	Up	0.00024131	SLC44A4	79.253	27.82	5.2
P62258	1.706	Up	0.000056847	YWHAE	29.174	298.51	64.7
Q86SZ2	1.702	Up	0.000059149	TRAPPC6B	17.983	1.7635	5.1
Q9UP83	1.7	Up	0.00042353	COG5	92.742	11.274	7
Q8TC12	1.697	Up	0.00048157	RDH11	35.386	87.244	32.4
O75610	1.694	Up	0.0176236	LEFTY1	40.88	40.39	23
Q92783	1.694	Up	0.00068358	STAM	59.179	34.987	11.5
P62820	1.689	Up	0.00036466	RAB1A	22.677	256.81	66.8
P23409	1.687	Up	0.0029757	MYF6	26.952	1.8056	2.9
P30043	1.685	Up	0.000083022	BLVRB	22.119	137.94	45.6
P32119	1.684	Up	0.000161499	PRDX2	21.892	75.328	38.9
O94760	1.683	Up	0.00025808	DDAH1	31.121	95.416	43.5
P07108	1.682	Up	0.000081816	DBI	10.044	85.995	74.7

P31749	1.682	Up	0.00002032	AKT1	55.686	113.77	25
Q9NQW7	1.681	Up	1.71E-05	XPNPEP1	69.917	171.29	30.2
Q86X10	1.68	Up	0.00082275	RALGAPB	166.8	24.512	4.9
Q6VY07	1.678	Up	0.0054022	PACS1	104.9	28.75	6.2
P51580	1.677	Up	1.51E-05	TPMT	28.18	11.247	24.9
Q96C11	1.677	Up	0.003019	FGGY	59.992	3.1646	3.1
Q03426	1.676	Up	2.77E-06	MVK	42.45	66.636	23.2
P68036	1.675	Up	0.00068132	UBE2L3	17.861	4.3114	11.7
Q9H4A4	1.674	Up	0.002403	RNPEP	72.595	238.06	36
Q13451	1.672	Up	4.48E-06	FKBP5	51.212	226.15	49.9
Q5TZA2	1.671	Up	0.0112818	CROCC	228.52	1.7154	0.4
O15145	1.67	Up	0.0101244	ARPC3	20.546	16.39	34.8
P13693	1.669	Up	1.88E-05	TPT1	19.595	64.848	40.1
P49419	1.667	Up	0.00169836	ALDH7A1	58.486	165.28	37.7
P54578	1.665	Up	3.54E-06	USP14	56.068	323.31	37.2
P37802	1.665	Up	1.73E-05	TAGLN2	22.391	69.555	53.3
Q9Y617	1.665	Up	0.00014479	PSAT1	40.422	97.191	33.2
P00390	1.665	Up	0.000057561	GSR	56.256	110.08	24.3
Q13098	1.665	Up	0.0026201	GPS1	55.536	90.081	20.8
P09211	1.662	Up	1.68E-05	GSTP1	23.356	90.753	46.7
Q14738	1.662	Up	0.000156346	PPP2R5D	69.991	80.283	23.4
Q8IW41	1.662	Up	1.82E-05	MAPKAPK5	54.22	1.6423	1.7
Q8IWU2	1.662	Up	0.0080963	LMTK2	164.9	1.7814	0.9
Q9BW83	1.66	Up	0.000157666	IFT27	20.48	44.831	38.2
Q9HC38	1.658	Up	3.41E-06	GLOD4	34.793	83.36	35.1
P00558	1.653	Up	0.000042063	PGK1	44.614	323.31	72.9
P13797	1.653	Up	4.09E-06	PLS3	70.81	173.9	35.6
Q9Y5K6	1.653	Up	0.00052093	CD2AP	71.45	32.144	12.8
Q15185	1.65	Up	1.00E-06	PTGES3	18.697	118.41	37.5
Q92597	1.649	Up	0.000039809	NDRG1	42.835	149.99	29.2
Q14247	1.648	Up	3.29E-06	CTTN	61.585	51.658	20.7
O60343	1.646	Up	0.000037802	TBC1D4	146.56	153.48	18.1
Q06323	1.646	Up	0.000040024	PSME1	28.723	55.143	50.2
P15311	1.643	Up	5.59E-07	EZR	69.412	277.54	50.7
O60701	1.641	Up	0.00070035	UGDH	55.023	234.65	30.8
P47895	1.639	Up	1.54E-05	ALDH1A3	56.108	156.91	39.5
Q9Y5X2	1.639	Up	0.0113784	SNX8	52.569	23.179	18.9
O95685	1.638	Up	0.000120837	PPP1R3D	32.559	28.461	26.1
Q6ZSS7	1.637	Up	0.030418	MFSD6	88.087	15.994	3.5
P31949	1.636	Up	0.000064767	S100A11	11.74	24.756	52.4
P50454	1.636	Up	0.0024616	SERPINH1	46.44	12.846	13.9
O14896	1.635	Up	0.00074007	IRF6	53.129	47.189	16.9
Q5VT25	1.635	Up	0.00002043	CDC42BPA	197.3	2.954	3.3
Q9NQ R4	1.634	Up	0.000184206	NIT2	30.608	107.5	23.6
P13489	1.632	Up	1.03E-06	RNH1	49.973	323.31	41
Q9Y6Q5	1.626	Up	0.00020103	AP1M2	48.108	52.011	21
Q9H8M7	1.626	Up	0.0031206	MINDY3	49.724	24.075	8.3

Q8NB37	1.624	Up	0.00032286	GATD1	23.297	6.5047	10.5
O00299	1.623	Up	0.000037581	CLIC1	26.922	323.31	66
O94903	1.622	Up	0.00027968	PLPBP	30.344	17.363	16
P41743	1.616	Up	1.90E-06	PRKCI	68.262	19.305	6.9
P45974	1.615	Up	0.000041935	USP5	95.785	216.83	27
Q9Y5Z4	1.614	Up	0.000081001	HEBP2	22.875	27.081	30.7
P61224	1.612	Up	1.65E-05	RAP1B	20.825	15.229	36.4
Q00796	1.608	Up	0.00023638	SORD	38.324	323.31	64.4
Q9BSD7	1.608	Up	0.0038953	NTPCR	20.713	16.878	25.3
Q9NQ79	1.605	Up	0.00127528	CRTAC1	71.42	34.395	14.1
P68104	1.604	Up	0.000180423	EEF1A1	50.14	305.34	49.4
Q3MIR4	1.604	Up	0.0033183	TMEM30B	38.941	2.7218	6
P06753	1.603	Up	0.00053609	TPM3	32.95	28.799	26.7
Q15034	1.603	Up	0.006663	HERC3	117.19	2.5592	1
Q7RTZ1	1.597	Up	0.00112287	OVCH2	62.641	40.572	12.4
P61586	1.595	Up	0.0054817	RHOA	21.768	16.157	34.7
O94830	1.593	Up	0.0059156	DDHD2	81.031	5.5413	5.2
Q9NXC5	1.593	Up	0.0110617	MIOS	98.583	3.4663	1.7
P22314	1.592	Up	0.00040366	UBA1	117.85	323.31	34.9
P35625	1.592	Up	0.0047823	TIMP3	24.145	47.825	35.5
O43396	1.591	Up	0.000036738	TXNL1	32.251	243.56	58.8
Q14894	1.591	Up	0.0002629	CRYM	33.775	73.472	36.9
P49427	1.587	Up	0.0027244	CDC34	26.736	3.6151	4.7
Q96A49	1.586	Up	0.000064084	SYAP1	39.933	9.5633	13.4
Q13526	1.586	Up	0.0149834	PIN1	18.243	40.953	21.5
P49354	1.583	Up	0.000156137	FNTA	44.408	13.303	13.7
O14990	1.583	Up	0.0055775	PPP1R2C	22.659	52.304	15.8
Q08209	1.582	Up	0.00007709	PPP3CA	58.687	48.305	20.7
P00491	1.582	Up	1.62E-05	PNP	32.118	85.331	34.3
Q9Y6E0	1.582	Up	0.0184044	STK24	49.307	66.344	23.3
P42566	1.581	Up	1.15E-06	EPS15	98.655	102.93	22.1
Q96IU4	1.579	Up	0.020978	ABHD14B	22.345	80.476	32.9
P02730	1.579	Up	0.0062395	SLC4A1	101.79	4.7125	1.4
Q8IUZ5	1.578	Up	0.0104998	PHYKPL	49.71	5.4084	4.9
P38571	1.578	Up	0.000159266	LIPA	45.418	30.276	6.8
Q14185	1.576	Up	0.0053604	DOCK1	215.34	12.832	4.8
P61981	1.575	Up	0.00150349	YWHAG	28.302	60.921	38.5
B3GLJ2	1.573	Up	0.0003363	PATE3	11.747	34.864	41.8
Q8I WV7	1.573	Up	0.0063235	UBR1	200.21	14.315	2.1
Q9Y3F4	1.571	Up	0.000096781	STRAP	38.438	191.93	41.4
Q9UJU6	1.571	Up	0.000124224	DBNL	48.207	155.83	23
O43741	1.565	Up	0.00002167	PRKAB2	30.302	2.7598	4
O43657	1.564	Up	0.000060238	TSPAN6	27.563	61.571	15.1
P51812	1.561	Up	0.000155702	RPS6KA3	83.735	67.057	31.9
Q7Z4W1	1.561	Up	0.0010784	DCXR	25.913	190.48	60.7
O43520	1.561	Up	0.00020326	ATP8B1	143.69	35.218	5
P0DMV9	1.56	Up	0.000117339	HSPA1B	70.051	323.31	51.8

P35573	1.559	Up	0.000022978	AGL	174.76	169.23	22.6
Q8IYB7	1.559	Up	0.0137635	DIS3L2	99.278	6.0213	5.6
Q9Y5P6	1.557	Up	0.000039215	GMPPB	39.834	87.222	31.1
Q02750	1.557	Up	0.000136446	MAP2K1	43.439	10.866	13.5
O15327	1.557	Up	0.0139962	INPP4B	104.74	33.433	10.3
P09543	1.556	Up	2.08E-06	CNP	47.578	175.16	39.7
Q969M3	1.555	Up	0.0072956	YIPF5	27.989	2.2946	4.7
Q9NQX4	1.554	Up	0.00030194	MYO5C	202.81	28.543	6.1
P55327	1.554	Up	0.000036474	TPD52	24.327	25.113	19.2
Q9HA65	1.554	Up	0.00002419	TBC1D17	72.727	42.145	5.6
P60981	1.553	Up	0.000064985	DSTN	18.506	61.726	35.2
P08134	1.552	Up	0.0086218	RHOC	22.006	33.865	35.2
P40121	1.552	Up	0.000040097	CAPG	38.498	65.699	23.3
O00571	1.548	Up	0.038941	DDX3X	73.243	57.015	17.2
P02794	1.547	Up	0.0084832	FTH1	21.225	73.962	47
P31153	1.546	Up	0.0093043	MAT2A	43.66	48.356	27.3
P08697	1.546	Up	0.0145197	SERPINF2	54.565	17.72	11.4
O95786	1.545	Up	0.0044761	DDX58	106.6	13.92	7.6
Q9UHY1	1.544	Up	0.0063791	NRBP1	59.844	38.885	13.5
Q6ZS30	1.544	Up	0.0083008	NBEAL1	307.23	4.1604	0.7
Q14914	1.542	Up	0.000035908	PTGR1	35.869	126.89	30.4
P49588	1.541	Up	1.35E-06	AARS	106.81	263.48	36.4
P62937	1.541	Up	0.00052271	PPIA	18.012	82.332	51.5
O95671	1.541	Up	0.000104465	ASMTL	68.856	63.239	15.5
Q08257	1.539	Up	0.000036018	CRYZ	35.206	35.601	32.8
Q9H2K8	1.538	Up	0.0002607	TAOK3	105.4	144.84	24.1
P34949	1.538	Up	0.00103825	MPI	46.655	130.78	14.9
Q9H299	1.538	Up	0.00053654	SH3BGRL3	10.438	9.1263	36.6
Q04637	1.537	Up	0.000098883	EIF4G1	175.49	155.78	22.3
O95394	1.535	Up	0.000084593	PGM3	59.851	145.94	36.3
Q8NHP8	1.535	Up	0.036739	PLBD2	65.471	12.572	2.2
P20337	1.534	Up	0.00088087	RAB3B	24.758	143.26	35.2
Q15847	1.533	Up	0.00041825	ADIRF	7.8547	128.13	80.3
Q9NR45	1.532	Up	0.0008975	NANS	40.307	111.99	41.5
Q92905	1.532	Up	4.88E-06	COPS5	37.578	92.613	26.3
Q92743	1.529	Up	0.0037177	HTRA1	51.286	52.139	20.8
P35080	1.529	Up	1.83E-05	PFN2	15.046	216.15	33.6
Q9NZL9	1.528	Up	0.000175746	MAT2B	37.551	135.16	29.3
Q9Y696	1.525	Up	0.00075943	CLIC4	28.772	149.36	35.6
Q9BQG2	1.525	Up	3.98E-06	NUDT12	52.075	6.0539	7.8
Q9NP61	1.524	Up	0.000178068	ARFGAP3	56.928	56.726	22.7
P56851	1.523	Up	0.000017228	EDDM3B	17.584	71.819	44.2
O43813	1.523	Up	0.00080405	LANCL1	45.283	17.78	18.5
Q8N335	1.522	Up	0.000101877	GPD1L	38.418	101.8	42.5
Q9Y3C8	1.522	Up	0.00045583	UFC1	19.458	4.5868	11.4
Q96QK1	1.521	Up	0.000062458	VPS35	91.706	135.64	23.5
Q96DH6	1.52	Up	0.0119013	MSI2	35.196	9.5477	10.1

P08865	1.519	Up	0.000175667	RPSA	32.854	191.83	:
Q9P2X3	1.519	Up	9.13E-07	IMPACT	36.476	75.166	:
Q9NSY2	1.519	Up	0.00121879	STARD5	23.794	3.2251	:
P51888	1.517	Up	0.000055142	PRELP	43.809	19.941	:
O60763	1.513	Up	0.000075802	USO1	107.89	323.31	:
Q16222	1.513	Up	0.00034071	UAP1	58.768	48.924	:
Q7L1Q6	1.512	Up	0.000024468	BZW1	48.043	25.84	:
Q9HAB8	1.512	Up	0.0045177	PPCS	34.005	18.806	:
O43681	1.512	Up	0.000020611	ASNA1	38.792	21.492	:
P0CG33	1.511	Up	0.0052838	GOLGA6D	79.895	50.369	:
Q9UEW8	1.511	Up	0.000163368	STK39	59.473	94.599	:
P35754	1.508	Up	0.00030219	GLRX	11.776	5.5022	:
Q8IYW4	1.507	Up	0.004299	ENTHD1	67.537	4.6358	:
O95372	1.506	Up	0.00031509	LYPLA2	24.737	36.067	:
P57076	1.505	Up	0.00099504	C21orf59	33.224	12.37	:
P20042	1.504	Up	0.00168367	EIF2S2	38.388	76.122	:
O95716	1.503	Up	0.00073705	RAB3D	24.267	97.392	:
Q9GZZ9	1.503	Up	0.0033381	UBA5	44.863	20.02	:
P62942	1.503	Up	0.00039976	FKBP1A	11.951	89.12	:
P28482	1.502	Up	0.000080778	MAPK1	41.389	51.677	:
Q96DG6	1.502	Up	0.00002231	CMBL	28.048	17.68	:
P35237	1.5	Up	0.00029868	SERPINB6	42.621	292.47	:
Q93099	1.5	Up	0.0093005	HGD	49.963	64.65	:
O43175	1.499	Up	0.000075352	PHGDH	56.65	323.31	:
P52565	1.496	Up	0.000156491	ARHGDI	23.207	187.25	:
Q9UNS2	1.494	Up	0.00086097	COPS3	47.873	45.865	:
O75663	1.494	Up	0.00025975	TIPRL	31.444	27.781	:
P14324	1.494	Up	1.58E-05	FDPS	48.275	57.579	:
Q8NBF2	1.493	Up	0.0002824	NHLRC2	79.443	110.7	:
O60547	1.493	Up	0.00024241	GMDS	41.949	65.934	:
Q16890	1.493	Up	0.0052447	TPD52L1	22.449	12.404	:
P09382	1.492	Up	0.00022271	LGALS1	14.716	20.412	:
Q9UGI8	1.491	Up	0.000036161	TES	47.996	72.906	:
O75347	1.491	Up	0.000181444	TBCA	12.855	61.332	:
O76003	1.491	Up	0.00117694	GLRX3	37.432	30.814	:
Q8IVD9	1.491	Up	0.0003392	NUDCD3	40.822	13.134	:
Q2TAA2	1.491	Up	0.0026581	IAH1	27.598	2.2195	:
P31947	1.49	Up	0.000039988	SFN	27.774	56.925	:
Q07960	1.49	Up	0.0006378	ARHGAP1	50.435	46.074	:
Q9BZE9	1.49	Up	0.00115856	ASPSCR1	60.182	12.359	:
Q86V88	1.49	Up	0.0029029	MDP1	20.109	3.0182	:
P16152	1.489	Up	0.00022206	CBR1	30.375	249.3	:
Q9UK22	1.487	Up	0.0095832	FBXO2	33.327	17.175	:
P60953	1.486	Up	0.000124739	CDC42	21.258	51.721	:
P27487	1.485	Up	0.00087764	DPP4	88.278	285.44	:
Q9Y2Z0	1.484	Up	0.0115646	SUGT1	41.024	100.62	:
Q15121	1.483	Up	0.00092345	PEA15	15.04	7.9454	:

P55212	1.481	Up	0.000179256	CASP6	33.31	21.633	20.8
Q15181	1.48	Up	0.00023645	PPA1	32.66	150.51	50.2
Q16204	1.48	Up	0.020159	CCDC6	53.29	78.233	17.5
Q96HC4	1.479	Up	0.00023792	PDLIM5	63.944	126.76	27.7
Q14117	1.479	Up	0.00034086	DPYS	56.629	5.9315	7.5
Q0PNE2	1.478	Up	0.00075834	ELP6	29.793	6.2502	13.5
P13639	1.477	Up	0.00160211	EEF2	95.337	323.31	43.7
Q13409	1.477	Up	0.00097886	DYNC1I2	71.456	83.008	10.8
Q5R3I4	1.477	Up	0.000080882	TTC38	52.787	12.768	9.4
Q9GZP4	1.477	Up	0.0034423	PITHD1	24.178	101.38	19.9
P22234	1.476	Up	6.60E-08	PAICS	47.079	132.35	30.4
P63027	1.476	Up	0.003836	VAMP2	12.663	72.613	34.5
Q96EB1	1.475	Up	0.041564	ELP4	46.587	8.1915	6.6
P46109	1.474	Up	0.0031396	CRKL	33.777	23.918	11.6
Q7Z3C6	1.473	Up	0.0021422	ATG9A	94.446	4.5465	2.9
P41567	1.472	Up	0.0109439	EIF1	12.732	10.947	13.3
P61758	1.471	Up	0.00044445	VBP1	22.658	8.1442	18.3
Q6PD74	1.47	Up	0.0027018	AAGAB	34.593	7.1497	7
P62879	1.469	Up	0.000037245	GNB2	37.331	108.53	26.5
O95865	1.469	Up	0.000023452	DDAH2	29.644	57.649	37.9
Q9UHD1	1.469	Up	0.000161037	CHORDC1	37.489	41.395	28
Q5T6V5	1.469	Up	1.68E-05	C9orf64	39.028	19.042	13.5
Q8NA61	1.468	Up	0.000056228	SPERT	51.57	154.59	45.5
Q99426	1.467	Up	0.0007756	TBCB	27.325	52.721	30.3
Q9BUT1	1.467	Up	0.0042583	BDH2	26.724	9.156	13.9
P36959	1.465	Up	2.87E-06	GMPR	37.418	102.34	36.2
Q00688	1.464	Up	0.0003965	FKBP3	25.177	25.953	25.9
Q99873	1.464	Up	0.000178173	PRMT1	42.461	38.986	19.7
Q8N0X7	1.462	Up	0.0067624	SPART	72.832	24.363	12
P49327	1.46	Up	0.000020068	FASN	273.42	323.31	38.6
Q96KP1	1.46	Up	0.0035411	EXOC2	104.07	35.328	9
Q9Y366	1.46	Up	0.0090979	IFT52	49.706	9.1951	7.3
P62633	1.46	Up	0.0068791	CNBP	19.463	15.67	8.5
Q96FC7	1.46	Up	0.0158434	PHYHIPL	42.486	6.0137	5.9
Q8TCT9	1.459	Up	0.00024203	HM13	41.488	102.3	12.7
P17707	1.459	Up	0.00025805	AMD1	38.339	5.6989	3.9
O43776	1.458	Up	6.23E-07	NARS	62.942	155.88	27.6
P11142	1.457	Up	1.66E-06	HSPA8	70.897	323.31	66.7
Q08499	1.457	Up	0.00029544	PDE4D	91.114	8.1689	4.8
Q9Y6G9	1.455	Up	0.000020879	DYNC1LI1	56.578	75.796	26.4
P63208	1.455	Up	0.000076382	SKP1	18.658	39.217	28.8
Q9UBQ7	1.453	Up	0.000135495	GRHPR	35.668	99.979	36.3
Q14444	1.453	Up	0.000021706	CAPRIN1	78.365	22.497	6.2
Q8WUM4	1.452	Up	1.76E-06	PDCD6IP	96.022	297.61	45.7
P62917	1.452	Up	0.001921	RPL8	28.024	109.61	34.2
Q9NRY4	1.452	Up	0.0174162	ARHGAP35	170.51	17.038	4.9
Q9HAD4	1.452	Up	0.04074	WDR41	51.727	33.276	7.4

Q9UNH7	1.451	Up	0.00032107	SNX6	46.648	75.276	32.8
P07737	1.451	Up	0.000076529	PFN1	15.054	124.46	65
P10768	1.451	Up	0.00085843	ESD	31.462	26.412	23.8
Q8N3R9	1.451	Up	0.0063802	MPP5	77.293	36.36	14.8
O75312	1.45	Up	0.026558	ZPR1	50.925	13.241	11.1
Q14204	1.449	Up	5.60E-08	DYNC1H1	532.4	323.31	35.5
P46776	1.449	Up	0.0028001	RPL27A	16.561	56.685	28.4
Q92734	1.449	Up	4.52E-06	TFG	43.447	12.827	11.8
P53396	1.448	Up	0.000021478	ACLY	120.84	323.31	37.1
Q6DKJ4	1.448	Up	0.0156385	NXN	48.392	48.739	7.8
O95999	1.448	Up	0.0041021	BCL10	26.251	3.7071	8.6
P61088	1.447	Up	0.000180292	UBE2N	17.138	46.204	44.7
Q9Y4X5	1.447	Up	0.00021776	ARIH1	64.117	45.758	24.1
P55210	1.447	Up	0.0021797	CASP7	34.276	10.768	6.9
Q9Y508	1.447	Up	0.00055959	RNF114	25.694	8.4524	9.6
O43237	1.446	Up	0.00085932	DYNC1LI2	54.099	25.6	18.7
O60684	1.445	Up	0.0093007	KPNA6	60.029	102.05	17.4
Q9P260	1.445	Up	0.00037956	KIAA1468	134.63	17.903	6.2
Q5SRH9	1.445	Up	0.003163	TTC39A	69.778	9.6436	4.6
P07384	1.444	Up	0.00052276	CAPN1	81.889	113.28	25.4
O43747	1.443	Up	0.00032058	AP1G1	91.35	169.52	16.1
P22392	1.443	Up	0.00031705	NME2	17.298	6.1749	46.1
P51993	1.443	Up	0.0137641	FUT6	41.859	36.467	12.3
Q96KP4	1.442	Up	0.000023716	CNDP2	52.878	257.57	43.6
O43692	1.442	Up	0.043495	PII5	29.065	38.272	11.2
P36915	1.441	Up	0.00057805	GNL1	68.66	83.675	22.7
P61201	1.441	Up	4.95E-06	COPS2	51.596	92.988	24.6
P30626	1.44	Up	0.00115666	SRI	21.676	42.535	46
Q9NR19	1.439	Up	0.000081959	ACSS2	78.579	68.486	14.8
P49591	1.437	Up	0.00134111	SARS	58.777	48.796	19.1
P15531	1.437	Up	0.00089557	NME1	17.149	37.816	48
P51178	1.437	Up	0.031459	PLCD1	85.664	4.4582	2.9
Q9C0I1	1.437	Up	0.0031799	MTMR12	86.147	35.14	4.1
P54803	1.435	Up	0.00162026	GALC	77.063	51.152	6.6
P26639	1.434	Up	1.75E-05	TARS	83.434	89.056	25.7
Q9ULR3	1.434	Up	0.0134574	PPM1H	56.447	20.778	15
Q6ZNW5	1.434	Up	0.0037156	GDPGP1	42.362	6.1781	10.1
Q9H0I9	1.433	Up	0.000021521	TKTL2	67.876	186.28	27.8
Q10567	1.432	Up	1.97E-05	AP1B1	104.64	114.9	23.6
Q9H8Y8	1.432	Up	0.00097585	GORASP2	47.145	4.7883	4.4
P21399	1.431	Up	0.000040759	ACO1	98.398	90.119	22.7
Q9BXS5	1.431	Up	0.0172441	AP1M1	48.586	17.953	18.2
Q8WXR4	1.431	Up	0.00086457	MYO3B	151.83	14.844	4.8
Q58FF8	1.43	Up	0.0035607	HSP90AB2P	44.348	2.3616	25.2
Q96T51	1.429	Up	0.0115362	RUFY1	79.817	53.764	16.7
Q53T59	1.429	Up	0.00027686	HS1BP3	42.78	45.5	20.7
P20936	1.429	Up	0.00080328	RASA1	116.4	13.611	3.2

Q9BZK7	1.429	Up	0.00038216	TBL1XR1	55.594	9.686	5.1
O75928	1.429	Up	0.0057811	PIAS2	68.24	3.2242	2.4
P43490	1.428	Up	0.000176292	NAMPT	55.52	132.08	34
Q9Y4B6	1.428	Up	0.0117162	DCAF1	169.01	13.193	3
P12273	1.427	Up	0.00030486	PIP	16.572	141.85	54.8
P51159	1.427	Up	0.00013849	RAB27A	24.868	62.1	32.1
Q13443	1.427	Up	0.020835	ADAM9	90.555	83.309	11.6
P05783	1.426	Up	0.0031009	KRT18	48.057	127.16	39.1
O00159	1.425	Up	0.000063034	MYO1C	121.68	123.79	17.6
Q9NRV9	1.424	Up	0.0001964	HEBP1	21.097	40.99	31.2
Q9UDY2	1.423	Up	0.0012426	TJP2	133.96	66.559	10.8
Q6UWE0	1.423	Up	0.00548	LRSAM1	83.593	56.366	15.8
P53611	1.423	Up	0.041582	RABGGTB	36.924	3.7018	6
P50502	1.422	Up	0.000057453	ST13	41.331	123.29	31.2
Q14689	1.422	Up	0.015497	DIP2A	170.37	24.607	5.1
Q96RR4	1.422	Up	0.00086398	CAMKK2	64.745	10.797	9
O14772	1.422	Up	0.045498	FPGT	66.598	8.0755	4.7
Q9H0U4	1.421	Up	2.44E-06	RAB1B	22.171	84.237	66.7
Q16348	1.421	Up	0.00180439	SLC15A2	81.783	20.418	10.2
P18077	1.421	Up	0.00071905	RPL35A	12.538	9.91	52.7
Q3ZCW2	1.421	Up	0.00031875	LGALS1	18.986	7.124	11.6
P61960	1.42	Up	0.000060278	UFM1	9.1175	14.676	17.6
Q9Y3A6	1.42	Up	0.0026208	TMED5	26.005	2.9769	4.4
Q02790	1.419	Up	1.84E-05	FKBP4	51.804	242.87	47.5
Q13237	1.419	Up	0.000144514	PRKG2	87.431	35.163	12.9
Q9NR09	1.419	Up	0.008143	BIRC6	530.25	71.254	2.7
Q5VZK9	1.419	Up	0.00105609	CARMIL1	151.56	25.11	3.7
Q13277	1.419	Up	0.0003785	STX3	33.155	7.8233	10.4
P09417	1.418	Up	0.0024166	QDPR	25.789	86.239	46.7
Q9NWW4	1.418	Up	0.00096219	C1orf123	18.048	33.617	35.6
Q8IY31	1.418	Up	0.0020825	IFT20	15.28	21.509	22
P09110	1.417	Up	0.00163638	ACAA1	44.292	132.14	30.7
Q9H1M3	1.416	Up	0.0099183	DEFB129	20.298	19.067	11.5
P63104	1.415	Up	0.000081714	YWHAZ	27.745	173.13	51.8
Q9HB71	1.415	Up	0.000020474	CACYBP	26.21	79.192	28.5
Q01518	1.414	Up	0.00062339	CAP1	51.901	128.86	44.4
Q14258	1.414	Up	0.0034031	TRIM25	70.973	71.703	16.7
P09874	1.414	Up	0.00027612	PARP1	113.08	7.135	2.6
Q12765	1.413	Up	0.00045544	SCRN1	46.382	51.805	14
Q9NZZ3	1.413	Up	0.00006046	CHMP5	24.57	67.913	34.7
P15170	1.412	Up	0.00024368	GSPT1	55.755	103.63	30.7
P07902	1.412	Up	0.0049596	GALT	43.363	19.195	10.8
P01133	1.412	Up	0.0023398	EGF	133.99	2.6233	1.9
Q9UL33	1.412	Up	0.00143936	TRAPPC2L	16.145	3.8884	12.9
P35813	1.41	Up	0.00194181	PPM1A	42.447	32.198	26.7
P54725	1.41	Up	0.042605	RAD23A	39.609	7.9459	14.9
Q13596	1.409	Up	4.12E-06	SNX1	59.069	69.57	24.9

Q8IUC4	1.408	Up	0.0141361	RHPN2	76.992	30.089	14
Q8NC51	1.408	Up	0.0042812	SERBP1	44.965	17.221	17.2
Q9BTW9	1.407	Up	0.00029718	TBCD	132.6	91.9	13.1
P42025	1.407	Up	0.0018426	ACTR1B	42.293	78.703	29.8
Q9NV70	1.407	Up	0.00020239	EXOC1	101.98	17.561	6.6
O95989	1.407	Up	0.000064833	NUDT3	19.471	15.78	16.9
O00410	1.405	Up	1.56E-05	IPO5	123.63	318.26	28.2
O15296	1.405	Up	1.87E-05	ALOX15B	75.856	149.37	25
Q66K79	1.404	Up	0.00195518	CPZ	73.655	198.59	26.7
Q8WVM8	1.404	Up	0.000035155	SCFD1	72.379	189.52	30.1
Q9NTK5	1.404	Up	0.00023655	OLA1	44.743	58.352	30.8
P63010	1.403	Up	0.00100339	AP2B1	104.55	38.547	18.9
Q92973	1.403	Up	0.000075517	TNPO1	102.35	44.072	11
O00204	1.403	Up	0.00049538	SULT2B1	41.307	41.478	20.5
Q92882	1.403	Up	0.0139361	OSTF1	23.787	49.21	15.4
P63000	1.402	Up	0.0090441	RAC1	21.45	41.722	47.9
O43765	1.402	Up	0.000058973	SGTA	34.063	47.702	14.4
P55263	1.402	Up	0.000155558	ADK	40.545	12.153	12.4
Q99471	1.402	Up	0.00071628	PFDN5	17.328	30.026	31.2
Q7Z4S6	1.401	Up	0.0004993	KIF21A	187.18	36.597	6.9
Q9P0L0	0.714	Down	0.000103858	VAPA	27.893	42.798	51
P07954	0.713	Down	4.22E-06	FH	54.636	209.22	34.3
Q8NBJ4	0.713	Down	0.0033183	GOLM1	45.333	17.244	12.2
Q8ND07	0.713	Down	0.00098203	BBOF1	61.986	12.709	11.5
B4DYI2	0.712	Down	0.037244	SPATA31C2	124.43	106.32	17.4
Q5JX71	0.712	Down	0.00057952	FAM209A	19.603	25.313	33.9
O75439	0.712	Down	0.00059885	PMPCB	54.366	2.701	3.5
Q9NWU1	0.712	Down	0.000095812	OXSM	48.842	21.5	5.7
O75976	0.711	Down	0.000160274	CPD	152.93	243.74	20
P13804	0.711	Down	0.00166083	ETFA	35.079	157.68	46.8
Q7Z4H3	0.711	Down	0.000023202	HDDC2	23.39	69.113	39.2
Q86YB8	0.711	Down	0.000123742	ERO1B	53.543	45.653	20.8
Q7L266	0.71	Down	0.0060784	ASRGL1	32.054	191.74	44.2
P98187	0.71	Down	0.0085177	CYP4F8	59.994	8.3943	8.1
Q9BQS8	0.71	Down	0.026182	FYCO1	166.98	17.31	3.2
Q96JN2	0.709	Down	0.0011224	CCDC136	134.04	323.31	33.2
O75694	0.709	Down	4.15E-06	NUP155	155.2	323.31	25.9
P11169	0.709	Down	0.00052372	SLC2A3	53.924	308.24	14.3
P21796	0.709	Down	0.00024469	VDAC1	30.772	64.093	26.1
P09237	0.709	Down	0.00088303	MMP7	29.676	6.9121	12
O43772	0.709	Down	0.00038151	SLC25A20	32.943	21.748	19.3
P42898	0.709	Down	0.00023853	MTHFR	74.596	10.973	7.3
Q9UIJ7	0.709	Down	0.0026779	AK3	25.565	13.778	20.7
Q4G1C9	0.709	Down	0.027622	GLIPR1L2	40.179	13.173	11.6
Q5JQC9	0.708	Down	1.88E-05	AKAP4	94.476	323.31	82.9
Q6X784	0.708	Down	0.00082307	ZBP2	38.652	69.084	22.8
Q9BY14	0.708	Down	0.00062242	TEX101	26.667	24.399	12.9

Q4V328	0.708	Down	0.0057995	GRIPAP1	95.988	34.379	6.5
P67812	0.707	Down	0.00052325	SEC11A	20.625	35.777	35.2
Q13547	0.707	Down	0.0092811	HDAC1	55.102	3.6848	4.1
O75969	0.706	Down	3.53E-06	AKAP3	94.75	323.31	59.8
P63167	0.706	Down	0.0048837	DYNLL1	10.366	70.445	64
Q9Y5B8	0.706	Down	0.000157316	NME7	42.491	120.05	42.8
P10398	0.706	Down	0.0109037	ARAF	67.585	35.961	14.5
A6NF34	0.705	Down	0.0029605	ANTXRL	70.628	15.37	6.2
Q13748	0.704	Down	0.000137206	TUBA3C	49.959	323.31	51.6
Q86XH1	0.704	Down	0.00124414	IQCA1	95.34	9.8277	5.1
P28331	0.703	Down	0.00172176	NDUFS1	79.467	137.83	33.7
Q8WYR4	0.703	Down	0.000141013	RSPH1	35.123	143.89	35.6
Q8WXX0	0.702	Down	0.000123918	DNAH7	461.15	323.31	19.9
P31930	0.702	Down	0.000117455	UQCRC1	52.645	249.77	40.4
P57678	0.702	Down	4.58E-06	GEMIN4	120.04	28.005	5.6
B1ANS9	0.702	Down	0.0021584	WDR64	123.63	18.487	3.9
Q6PGQ1	0.702	Down	0.023458	DRICH1	25.064	48.112	14.8
Q8NEY3	0.702	Down	0.0125959	SPATA4	34.751	24.751	13.8
Q9BUK6	0.702	Down	0.00122433	MSTO1	61.835	30.92	6.3
O95399	0.702	Down	0.0074244	UTS2	14.295	2.08	6.5
Q8NFH5	0.701	Down	0.00062166	NUP35	34.773	55.412	32.2
P13637	0.7	Down	0.00004232	ATP1A3	111.75	71.075	26.2
Q9UFE4	0.7	Down	0.000117212	CCDC39	109.9	68.039	17.2
P31942	0.7	Down	0.0134206	HNRNPH3	36.926	22.271	19.4
O00534	0.7	Down	0.014243	VWA5A	86.488	6.6609	3.1
Q8NF37	0.7	Down	0.0058424	LPCAT1	59.151	2.3166	1.5
O75363	0.699	Down	0.0208	BCAS1	61.708	50.244	16.1
Q8NA54	0.699	Down	0.000080963	IQUB	92.58	18.939	8.8
Q9Y3Q0	0.699	Down	0.0059968	NAALAD2	83.59	11.68	9.7
P02766	0.699	Down	0.000144733	TTR	15.887	14.524	9.5
Q00013	0.699	Down	0.00064217	MPP1	52.296	3.0881	2.6
P61019	0.698	Down	0.000077757	RAB2A	23.545	323.31	80.7
Q8TD57	0.698	Down	0.000177673	DNAH3	470.77	180.55	11.4
Q8N7X0	0.698	Down	1.84E-05	ADGB	189.71	22.938	3.1
Q9Y2C4	0.698	Down	0.0063181	EXOGL	41.084	43.813	9.5
Q8N5Q1	0.697	Down	0.00117766	FAM71E2	99.913	68.753	19.7
A2RUT3	0.697	Down	0.0045767	TMEM89	17.571	101.61	34
O95881	0.697	Down	0.00116059	TXNDC12	19.206	14.907	19.2
Q9NSE4	0.696	Down	0.000038324	IARS2	113.79	109.32	19.6
P30042	0.696	Down	0.0048765	C21orf33	28.17	156.24	51.1
P49901	0.696	Down	0.00087549	SMCP	12.767	232.13	87.9
Q6P2Q9	0.696	Down	0.0080419	PRPF8	273.6	2.1819	0.6
Q9BY50	0.696	Down	0.0030844	SEC11C	21.542	2.7849	7.8
Q8IYT1	0.694	Down	0.00031953	FAM71A	63.177	254.55	37.5
P22695	0.694	Down	1.96E-05	UQCRC2	48.442	266.96	41.1
O43615	0.693	Down	0.0034807	TIMM44	51.355	24.56	7.3
Q96M34	0.692	Down	0.0052625	C3orf30	60.162	32.187	11.2

P30048	0.692	Down	0.00170358	PRDX3	27.692	46.515	28.9
P38646	0.691	Down	0.000044102	HSPA9	73.68	323.31	44.3
Q4G0X9	0.691	Down	0.000022735	CCDC40	130.11	76.744	15.9
Q8NHS0	0.691	Down	0.000097485	DNAJB8	25.686	96.986	43.5
P60673	0.691	Down	0.00160177	PFN3	14.596	45.427	27
P0C0L4	0.691	Down	0.00079977	C4A	192.78	42.132	6.5
Q32P41	0.691	Down	0.0029394	TRMT5	58.246	1.9289	3.5
Q53SZ7	0.691	Down	0.00107795	PRR30	44.689	33.947	14.3
P29373	0.691	Down	0.0002422	CRABP2	15.693	19.278	30.4
Q9Y6B7	0.691	Down	0.000163485	AP4B1	83.259	3.6659	4.1
A8MYV0	0.69	Down	0.000196907	DCDC2C	40.424	14.61	14.1
Q6NVY1	0.69	Down	0.00021752	HIBCH	43.482	17.859	15.5
P16104	0.689	Down	0.0041356	H2AFX	15.144	18.195	28.7
O95427	0.689	Down	0.0056983	PIGN	105.81	2.1674	1.1
Q8IYX7	0.688	Down	0.000084659	SAXO1	54.621	270.75	73.2
P05091	0.688	Down	0.0026968	ALDH2	56.381	5.599	10.4
P24821	0.688	Down	0.00042222	TNC	240.85	34.108	2.3
P30533	0.688	Down	0.000056842	LRPAP1	41.465	12.269	14
Q8IZQ1	0.688	Down	0.0063578	WDFY3	395.25	2.5479	0.8
P55809	0.687	Down	1.99E-05	OXCT1	56.157	199.47	37.1
P16562	0.687	Down	0.000061182	CRISP2	27.259	46.296	32.5
Q9NU02	0.687	Down	0.0129154	ANKEF1	86.663	21.566	6.3
Q8IWG1	0.686	Down	0.00061725	WDR63	102.93	39.982	10.1
Q9NZ08	0.686	Down	0.000055569	ERAP1	107.23	52.818	9.1
Q5JST6	0.685	Down	9.20E-08	EFHC2	87.396	150.23	25.5
Q9NXE4	0.685	Down	0.0022991	SMPD4	97.809	65.41	17.6
O14684	0.685	Down	0.00046201	PTGES	17.102	8.7436	12.5
O95571	0.685	Down	0.000084932	ETHE1	27.873	3.8853	9.1
Q9P2D7	0.684	Down	0.000142832	DNAH1	493.95	234.08	11.1
P43304	0.684	Down	0.00041632	GPD2	80.852	44.434	18.3
Q9NZ01	0.684	Down	0.00048165	TECR	36.034	12.664	14.9
P05496	0.684	Down	0.004185	ATP5G1	14.277	1.715	5.1
Q13835	0.684	Down	0.00052251	PKP1	82.86	4.2388	2.8
P62072	0.684	Down	0.000178347	TIMM10	10.333	1.7837	7.8
Q96S15	0.684	Down	3.92E-07	WDR24	101.99	-2	0.9
Q8IVF4	0.683	Down	3.66E-06	DNAH10	514.83	323.31	15.9
Q9NUJ1	0.683	Down	0.000022495	ABHD10	33.932	87.862	34.6
Q02218	0.682	Down	0.000160017	OGDH	115.93	135.12	22.6
P11047	0.682	Down	0.00182336	LAMC1	177.6	123.66	13.5
Q99623	0.682	Down	0.000020005	PHB2	33.296	108.6	38.8
Q9Y697	0.682	Down	0.0075592	NFS1	50.195	76.731	25.2
O75425	0.682	Down	0.0027042	MOSPD3	25.518	46.384	32.3
P16444	0.682	Down	0.0042997	DPEP1	45.673	3.2071	5.4
Q9Y4P1	0.682	Down	0.020541	ATG4B	44.294	25.95	5.6
P00568	0.681	Down	0.00081764	AK1	21.635	83.646	38.7
Q16775	0.681	Down	0.0327	HAGH	33.805	56.531	22.4
Q9H7T0	0.681	Down	0.00117642	CATSPERB	126.92	11.183	4.1

Q9Y6R7	0.68	Down	1.98E-06	FCGBP	572.01	39.651	2
Q9UDR5	0.68	Down	1.53E-05	AASS	102.13	15.075	5.9
Q95994	0.679	Down	0.0021594	AGR2	19.979	121.75	22.3
Q8NDV3	0.679	Down	0.00113813	SMC1B	143.91	2.3231	1.9
Q96S16	0.679	Down	0.000163714	JMJD8	36.869	2.1941	4.8
Q9Y333	0.679	Down	0.027885	LSM2	10.834	25.848	20
Q86VS3	0.679	Down	0.017202	IQCH	117.35	22.052	1.7
Q86UC2	0.678	Down	0.00126264	RSPH3	63.686	25.05	10.2
P08708	0.678	Down	0.0020773	RPS17	15.55	28.411	32.6
P24557	0.678	Down	0.01362	TBXAS1	60.518	5.1912	4.1
Q6UXN7	0.678	Down	0.0083421	TOMM20L	17.699	3.5313	12.5
P38117	0.677	Down	0.00153608	ETFB	27.843	59.171	30.6
Q8NCN5	0.677	Down	0.00094386	PDPR	99.363	34.09	7.7
Q12913	0.677	Down	2.94E-06	PTPRJ	145.94	34.756	5.2
Q9Y512	0.677	Down	0.00043504	SAMM50	51.976	13.624	8.5
Q9NZ45	0.676	Down	0.00077611	CISD1	12.199	80.297	49.1
Q8WUN7	0.676	Down	0.00035772	UBTD2	26.189	64.42	27.8
P22033	0.676	Down	0.000123544	MUT	83.134	24.619	8.8
P78318	0.676	Down	0.00031922	IGBP1	39.221	21.234	20.6
P14543	0.676	Down	0.00136116	NID1	136.38	16.361	5.5
A2RU54	0.676	Down	0.0004802	HMX2	29.598	1.7211	3.3
Q6PEW0	0.675	Down	0.00020487	PRSS54	43.832	10.78	8.9
Q96LK8	0.675	Down	0.0116551	SPATA32	42.325	66.167	20.6
Q9H7Z7	0.675	Down	0.0003838	PTGES2	41.943	4.1371	6.1
P00505	0.674	Down	0.00028427	GOT2	47.517	98.557	34.9
P52948	0.674	Down	0.00029689	NUP98	197.58	104.59	11.5
Q1ZYL8	0.674	Down	0.000043964	IZUMO4	26.51	18.528	18.5
Q2M329	0.674	Down	0.00026257	CCDC96	62.71	17.463	10.5
L0R6Q1	0.674	Down	0.0125357	SLC35A4	11.133	12.77	22.3
Q8N1V2	0.673	Down	0.000083513	CFAP52	68.297	170.31	28.2
P17568	0.673	Down	1.30E-06	NDUFB7	16.402	19.435	33.6
Q9NR28	0.673	Down	0.0039364	DIABLO	27.131	9.0254	16.3
P98095	0.672	Down	0.00023549	FBLN2	126.57	24.866	4.5
Q9NTI2	0.672	Down	0.00159553	ATP8A2	129.24	5.111	2.9
Q96HD1	0.672	Down	0.0023644	CRELD1	45.439	19.221	9.5
P01876	0.671	Down	0.00171952	IGHA1	37.654	47.87	24.6
Q13505	0.671	Down	0.00050385	MTX1	51.462	55.621	13.7
Q9BSF0	0.671	Down	0.022696	C2orf88	10.97	37.649	32.6
A6NFZ4	0.671	Down	0.0025561	FAM24A	11.258	40.184	41.9
Q5J5C9	0.671	Down	0.000097285	DEFB121	8.4561	11.616	31.6
Q68DN1	0.67	Down	0.0067582	C2orf16	224.32	221.56	20
Q08722	0.67	Down	0.00004158	CD47	35.213	16.96	8.7
P63172	0.67	Down	0.045063	DYNLT1	12.452	22.047	14.2
Q9NUQ2	0.669	Down	0.0024376	AGPAT5	42.072	12.543	13.2
P36776	0.668	Down	0.0095224	LONP1	106.49	54.96	13
Q8NHG7	0.667	Down	0.000022243	SVIP	8.4426	14.092	32.5
Q6Y7W6	0.667	Down	0.00043748	GIGYF2	150.07	3.0257	2.5

P02788	0.666	Down	8.80E-07	LTF	78.181	323.31	80.3
O95831	0.666	Down	0.000157594	AIFM1	66.9	83.439	25.4
Q96M83	0.665	Down	0.000117437	CCDC7	157.45	10.085	4.3
Q9P0V3	0.665	Down	0.0071576	SH3BP4	107.49	8.3762	5.2
P24752	0.664	Down	0.00025808	ACAT1	45.199	323.31	45.2
P04899	0.664	Down	0.00050444	GNAI2	40.45	188	45.6
P07858	0.664	Down	0.00020058	CTSB	37.821	25.212	12.7
P15586	0.664	Down	0.00080252	GNS	62.081	18.32	13.6
Q9P225	0.663	Down	1.66E-06	DNAH2	507.69	244.47	8.6
P06576	0.662	Down	4.35E-06	ATP5F1B	56.559	323.31	45.6
Q9HAT0	0.662	Down	0.0115182	ROPN1	23.892	99.229	41
Q9BTX1	0.662	Down	4.23E-06	NDC1	76.304	70.367	17.8
P31937	0.662	Down	0.000083159	HIBADH	35.329	129.39	25
Q96KX2	0.661	Down	0.000157434	CAPZA3	35.024	117.17	32.8
P08559	0.661	Down	0.00052397	PDHA1	43.295	30.721	21.5
Q96T59	0.661	Down	0.00176368	CDRT15	20.651	48.042	31.4
P02790	0.661	Down	0.000138284	HPX	51.676	91.835	14.9
Q0P670	0.661	Down	0.0023351	SPEM2	57.13	51.556	12.2
Q16822	0.661	Down	0.041176	PCK2	70.698	21.651	8.9
P55084	0.66	Down	0.000040496	HADHB	51.294	216.87	42
Q15120	0.66	Down	0.0065161	PKD3	46.938	11.306	6.2
P38567	0.659	Down	0.00014099	SPAM1	57.847	78.105	15.5
P09622	0.659	Down	1.00E-06	DLD	54.177	35.465	16.7
Q14409	0.658	Down	0.000138454	GK3P	60.597	105.91	31.3
Q9Y6C9	0.658	Down	0.00163828	MTCH2	33.331	123.38	34.3
P18859	0.657	Down	0.00011718	ATP5J	12.587	167.76	55.6
Q9Y5K3	0.657	Down	0.0166594	PCYT1B	41.94	8.797	13.8
Q5T440	0.657	Down	0.00044374	IBA57	38.155	9.1715	7
Q8IY92	0.657	Down	0.000077409	SLX4	200.01	1.5916	0.4
Q00839	0.656	Down	0.036935	HNRNPU	90.583	140.31	11.2
Q5VTT2	0.655	Down	0.000198737	C9orf135	26.445	27.133	23.1
Q7Z4T9	0.654	Down	0.00020094	MAATS1	89.954	71.951	15
Q9NPE6	0.654	Down	3.41E-06	SPAG4	48.165	57.005	18.1
P29803	0.653	Down	0.000157786	PDHA2	42.933	144.14	35.1
O75843	0.653	Down	0.0024429	AP1G2	87.116	24.32	5
Q8TCT7	0.653	Down	0.000081953	SPPL2B	64.643	20.649	7.1
P31040	0.652	Down	0.000058903	SDHA	72.691	202.04	35.2
O95202	0.652	Down	0.00054112	LETM1	83.353	92.096	18.8
Q15836	0.652	Down	0.00034217	VAMP3	11.309	292.93	41
Q6PI48	0.652	Down	0.000056632	DARS2	73.562	37.123	10.9
P40926	0.651	Down	1.78E-05	MDH2	35.503	323.31	55.3
Q5T655	0.651	Down	0.000057268	CFAP58	103.42	253.16	34.3
Q9NX63	0.651	Down	0.00032302	CHCHD3	26.152	11.979	36.1
Q17RY6	0.651	Down	0.00041929	LY6K	18.673	11.706	24.8
P33316	0.651	Down	0.000058189	DUT	26.563	7.132	20.6
P56134	0.651	Down	0.0190189	ATP5J2	10.918	16.487	25.5
P62805	0.65	Down	0.00002078	HIST1H4A	11.367	147.95	58.3

Q92621	0.65	Down	1.90E-06	NUP205	227.92	100.82	12.4
Q00325	0.65	Down	0.000022067	SLC25A3	40.094	87.377	25.4
O75688	0.65	Down	0.0061247	PPM1B	52.642	14.622	12.1
P53597	0.649	Down	0.00025715	SUCLG1	36.249	86.729	28
P98160	0.649	Down	0.00071827	HSPG2	468.83	77.795	4.3
Q5SRN2	0.649	Down	0.00025876	C6orf10	61.625	73.98	29
Q9NPC4	0.649	Down	0.0140618	A4GALT	40.499	6.3816	7.4
P08910	0.649	Down	0.0046388	ABHD2	48.314	4.4199	5.2
P40939	0.648	Down	8.17E-08	HADHA	82.999	323.31	45.7
Q14254	0.648	Down	0.000055481	FLOT2	47.064	52.639	31.5
Q9UBX1	0.648	Down	0.000104231	CTSF	53.365	60.998	20.7
P42126	0.648	Down	2.94E-07	ECI1	32.816	107.93	20.2
Q96I99	0.648	Down	0.000062368	SUCLG2	46.51	63.313	24.5
P07910	0.648	Down	0.00026397	HNRNPC	33.67	20.958	19
O95822	0.648	Down	0.000178516	MLYCD	55.003	9.1129	8.9
P23434	0.648	Down	0.000039353	GCSH	18.884	44.606	17.3
Q6P047	0.648	Down	0.00065988	C8orf74	33.735	4.3728	7.8
Q9HCP0	0.647	Down	0.00068383	CSNK1G1	48.511	15.059	16.8
Q8NEA4	0.647	Down	0.0023236	FBXO36	22.105	1.8041	5.3
P25705	0.646	Down	0.00012274	ATP5F1A	59.75	323.31	45.6
Q5JU67	0.646	Down	0.000164142	CFAP157	60.533	44.252	22.7
Q9H3G5	0.646	Down	0.000038858	CPVL	54.163	57.447	16.8
P51970	0.646	Down	0.00047716	NDUFA8	20.105	18.843	37.2
O60264	0.646	Down	0.0037226	SMARCA5	121.9	4.6365	2.5
B2RV13	0.646	Down	0.000183437	CFAP97D1	19.546	7.2631	18.3
Q8NCE2	0.646	Down	0.0068401	MTMR14	72.203	13.474	2.9
Q13885	0.645	Down	0.00044337	TUBB2A	49.906	29.456	44.3
Q6ZR08	0.645	Down	0.000036604	DNAH12	356.94	128.84	10.4
P11177	0.645	Down	2.15E-06	PDHB	39.233	92.342	30.1
P14649	0.645	Down	0.000078904	MYL6B	22.764	21.061	34.6
P50897	0.645	Down	0.00062346	PPT1	34.193	39.531	9.2
P11310	0.644	Down	0.00016046	ACADM	46.588	137.83	39.4
O95995	0.644	Down	1.37E-06	GAS8	56.355	96.746	32.8
Q8TC36	0.644	Down	0.00095723	SUN5	43.081	195.69	37.7
Q16836	0.644	Down	3.93E-07	HADH	34.293	47.468	22.3
O00622	0.644	Down	0.025755	CYR61	42.026	33.467	21.5
O75306	0.644	Down	0.0051961	NDUFS2	52.545	26.168	15.3
Q8WWB3	0.644	Down	0.0001567	DYDC1	20.893	48.266	44.6
Q9UBR2	0.644	Down	0.0031402	CTSZ	33.868	17.141	13.9
O14645	0.643	Down	0.00023841	DNALI1	29.662	102.04	60.9
O75251	0.643	Down	9.44E-07	NDUFS7	23.563	14.563	15.5
Q8TC56	0.642	Down	2.61E-06	FAM71B	64.755	323.31	49.1
Q53EV4	0.642	Down	0.000135901	LRRC23	39.76	80.655	28.6
O75190	0.642	Down	0.00060156	DNAJB6	36.087	24.633	22.7
Q8TC27	0.641	Down	1.65E-05	ADAM32	87.947	274.06	20.3
P54709	0.64	Down	0.000117577	ATP1B3	31.512	76.072	34.8
Q96M98	0.64	Down	0.000064184	PACRG	33.341	30.791	28

Q96AB3	0.64	Down	1.56E-05	ISOC2	22.337	39.394	17.6
Q9BTT6	0.64	Down	0.0024567	LRRC1	59.241	17.206	7.3
Q9BQ24	0.64	Down	0.00130408	ZFYVE21	26.505	10.681	11.5
A4FU69	0.639	Down	0.000077062	EFCAB5	173.4	55.122	11.9
P05060	0.639	Down	6.96E-07	CHGB	78.275	30.998	10.5
Q10713	0.639	Down	0.0047038	PMPCA	58.252	24.33	10.7
P08571	0.639	Down	0.00078135	CD14	40.076	24.161	11.7
P22352	0.639	Down	0.000101373	GPX3	25.552	5.1975	8.4
Q8N8K9	0.639	Down	4.81E-07	KIAA1958	79.211	1.735	1
Q9UL16	0.638	Down	2.39E-06	CFAP45	65.729	168.45	41.2
Q9H0K4	0.638	Down	0.000103343	RSPH6A	80.912	134.99	18.4
Q9P2R7	0.637	Down	0.000117569	SUCLA2	50.317	208.98	32.8
P00403	0.637	Down	0.000082769	MT-CO2	25.565	55.361	30.8
Q13636	0.637	Down	0.0004766	RAB31	21.569	15.224	19.6
Q96M91	0.636	Down	0.000082485	CFAP53	61.834	45.483	21.6
A1A519	0.636	Down	0.00044125	FAM170A	37.158	180.54	43
Q9BXA6	0.636	Down	1.63E-05	TSSK6	30.331	25.98	22
A8MV24	0.636	Down	0.0187376	C17orf98	17.564	5.3222	18.8
A6NK58	0.636	Down	0.0060952	LIPT2	25.195	15.195	9.5
Q5JVL4	0.635	Down	2.48E-06	EFHC1	73.989	171.32	38.3
Q75WM6	0.635	Down	0.000002465	H1FNT	28.116	71.978	40.4
P48059	0.635	Down	0.0050018	LIMS1	37.251	64.379	20
P57737	0.635	Down	0.032436	CORO7	100.6	48.729	7.7
Q92688	0.635	Down	0.00042193	ANP32B	28.787	4.759	4.4
P33991	0.635	Down	0.000058914	MCM4	96.557	1.9313	1
O15230	0.634	Down	7.60E-07	LAMA5	399.73	323.31	14.6
P22732	0.634	Down	0.00068396	SLC2A5	54.973	63.933	10.4
P05023	0.633	Down	2.22E-06	ATP1A1	112.89	182.29	25.8
Q96MR6	0.633	Down	3.30E-07	CFAP57	144.96	85.589	23
Q76KD6	0.633	Down	0.000059981	SPATC1	62.398	202.71	28.6
Q5H943	0.633	Down	0.00055598	CT83	12.784	17.033	20.4
Q86Y39	0.633	Down	0.000144986	NDUFA11	14.852	9.8152	18.4
P39210	0.633	Down	0.00121644	MPV17	19.733	3.1678	4
Q8WXX5	0.632	Down	0.00026128	DNAJC9	29.909	5.8838	13.8
Q8IZ96	0.631	Down	0.00078281	CMTM1	18.576	21.246	16.6
Q8NCR6	0.63	Down	4.28E-06	SMRP1	30.166	146.07	68.7
P49411	0.63	Down	4.20E-06	TUFM	49.541	92.846	36.5
Q9H3U7	0.63	Down	0.00043655	SMOC2	49.674	43.101	15.9
O95169	0.63	Down	0.00023615	NDUFB8	21.766	19.79	26.3
O95168	0.63	Down	0.0034208	NDUFB4	15.208	53.267	23.3
Q06828	0.63	Down	0.000118345	FMOD	43.178	32.236	11.7
Q9H6K4	0.63	Down	0.00096154	OPA3	19.996	1.6749	5
A6NNW6	0.629	Down	0.00039814	ENO4	68.82	4.1463	3.2
Q16891	0.627	Down	9.91E-07	IMMT	83.677	314.72	43.8
Q6ZU69	0.627	Down	0.000020511	FAM205A	148.09	183.53	15.5
P36542	0.627	Down	0.00003866	ATP5F1C	32.996	74.414	26.5
Q8NE09	0.627	Down	0.000060497	RGS22	147.16	45.647	10.2

Q68CQ1	0.627	Down	0.00007524	MROH7	145.65	30.512	6
Q9H300	0.627	Down	0.000160013	PARL	42.19	3.9458	5.8
Q9UK85	0.627	Down	0.000039054	DKKL1	27.006	8.2675	5.4
Q96NL1	0.627	Down	0.000075996	TMEM74	33.338	-2	2.6
Q13939	0.626	Down	7.32E-07	CCIN	66.581	323.31	44.6
P24539	0.626	Down	0.00000141	ATP5F1	28.908	111.7	36.7
Q5T124	0.626	Down	0.000121013	UBXN11	57.373	80.296	27.7
O95299	0.626	Down	0.00022301	NDUFA10	40.75	37.053	18.6
Q8IXA5	0.625	Down	1.83E-05	SPACA3	23.431	191.47	40.5
Q8N443	0.625	Down	4.43E-06	RIBC1	44.014	39.145	25.9
Q2TAA8	0.625	Down	0.00092133	TSNAXIP1	76.772	52.692	10.3
Q9BX68	0.625	Down	0.00093932	HINT2	17.162	25.334	24.5
Q5T9A4	0.625	Down	0.00145886	ATAD3B	72.572	19.955	6.6
P21333	0.624	Down	0.00140289	FLNA	280.74	53.987	9.1
Q494V2	0.624	Down	0.00043917	CFAP100	71.116	31.864	13.7
P14927	0.623	Down	0.000164736	UQCRB	13.53	55.43	58.6
Q9BXW7	0.623	Down	0.00163791	HDHD5	46.321	16.66	10.4
Q9UH99	0.623	Down	0.00038326	SUN2	80.31	30.959	7.1
Q53GL7	0.623	Down	0.00124032	PARP10	110	9.4073	4.4
Q96LP2	0.623	Down	0.0057953	FAM81B	52.032	20.205	6.2
P27482	0.622	Down	0.00042291	CALML3	16.891	30.248	27.5
Q8TF09	0.622	Down	0.000042366	DYNLRB2	10.855	26.049	29.2
O75521	0.621	Down	0.00012225	ECI2	43.585	187.1	36
Q99985	0.621	Down	4.01E-06	SEMA3C	85.206	26.463	15.6
Q9Y581	0.621	Down	0.00090416	INSL6	24.859	8.6385	9.9
Q92667	0.62	Down	0.0092354	AKAP1	97.34	5.9623	3.3
P12236	0.619	Down	0.000143142	SLC25A6	32.866	24.558	36.9
Q9UJS0	0.619	Down	0.000036039	SLC25A13	74.175	53.131	15.6
Q16795	0.619	Down	0.0160366	NDUFA9	42.509	23.351	20.7
Q86SX6	0.619	Down	0.00092405	GLRX5	16.628	49.901	33.1
Q96B49	0.619	Down	0.012342	TOMM6	8.0019	9.6379	18.9
Q5VTU8	0.618	Down	0.00057974	ATP5EP2	5.8068	4.1143	45.1
P07339	0.617	Down	3.80E-06	CTSD	44.552	72.694	35.4
O75955	0.617	Down	0.00032025	FLOT1	47.355	144.61	35.1
Q5T681	0.617	Down	0.000158858	C10orf62	25.128	25.928	18.4
Q9H1K1	0.617	Down	0.0020005	ISCU	17.999	10.39	20.4
Q5VZ52	0.617	Down	0.0033237	MORN5	18.731	18.709	14.9
Q8NA47	0.616	Down	1.52E-05	CCDC63	66.25	90.165	30.2
Q9NVV0	0.616	Down	0.00175607	TMEM38B	32.509	12.004	8.2
P24311	0.616	Down	0.000120544	COX7B	9.1604	2.5589	10
Q9UIF3	0.615	Down	0.000020827	TEKT2	49.672	307.52	45.6
Q96QH8	0.615	Down	0.000039716	SPACA5	17.896	22.857	27
Q6J272	0.614	Down	0.000075546	FAM166A	36.165	181.64	60.3
P26440	0.614	Down	0.000103877	IVD	46.319	34.805	21.7
P07948	0.614	Down	0.0050978	LYN	58.573	15.793	10.9
O60423	0.614	Down	0.0132785	ATP8B3	146.75	14.132	2.2
Q8WW14	0.613	Down	3.21E-06	C10orf82	26.343	123.09	54.3

Q9UF47	0.613	Down	0.00089627	DNAJC5B	22.496	8.0551	7.5
Q9UKX7	0.613	Down	0.00073661	NUP50	50.144	8.3972	5.3
P15291	0.612	Down	0.0022614	B4GALT1	43.92	72.463	17.6
Q9BRQ6	0.612	Down	9.17E-07	CHCHD6	26.457	20.823	19.1
Q9BPW8	0.612	Down	0.00130311	NIPSNAP1	33.31	41.948	12.7
P19404	0.611	Down	0.00034263	NDUFV2	27.391	91.757	39.8
Q9Y305	0.611	Down	0.021044	ACOT9	49.901	16.179	12.5
P43897	0.61	Down	0.00063999	TSFM	35.39	31.8	20
Q8WY22	0.61	Down	0.00108338	BRI3BP	27.835	64.604	9.2
P02647	0.609	Down	0.000124252	APOA1	30.777	108.85	50.2
Q5TH74	0.609	Down	0.0022954	STPG1	36.786	16.151	9.3
O96000	0.608	Down	4.40E-06	NDUFB10	20.776	58.939	33.7
Q5EBM0	0.608	Down	0.000075123	CMPK2	49.447	25.032	15.1
Q9HBL7	0.608	Down	0.000075321	PLGRKT	17.201	8.6656	8.8
Q92485	0.607	Down	0.024859	SMPDL3B	50.813	35.313	12.7
Q5THR3	0.606	Down	0.000015262	EFCAB6	172.93	217.74	25.4
Q96PU9	0.606	Down	0.00030315	ODF3	27.71	115.6	56.7
P02649	0.606	Down	0.000058823	APOE	36.154	134.53	39.7
Q8N7B9	0.606	Down	0.000024966	EFCAB3	50.146	65.976	18.7
Q96EY8	0.606	Down	0.00031684	MMAB	27.388	58.202	26.4
O00468	0.605	Down	0.000055436	AGRN	217.23	323.31	31.9
Q6ZQQ2	0.605	Down	1.95E-05	SPATA31D1	175.62	66.522	12.8
P14406	0.605	Down	0.00064031	COX7A2	9.3959	7.6035	27.7
Q8IZ07	0.605	Down	0.0027047	ANKRD13A	67.618	2.2352	2
Q96MC2	0.604	Down	4.64E-06	DRC1	87.133	34.65	16.6
Q96E40	0.604	Down	0.00047525	SPACA9	25.166	125.56	27.5
Q6NUK1	0.604	Down	0.00005904	SLC25A24	53.354	20.81	15.9
A0A1B0GU33	0.604	Down	0.000097649	TEX53	8.1274	3.209	11.4
Q9BUN1	0.603	Down	1.73E-05	MENT	36.769	323.31	60.4
Q9HBV2	0.603	Down	0.000095684	SPACA1	32.143	323.31	49
P48047	0.603	Down	1.57E-05	ATP5O	23.277	96.65	48.8
Q9Y4W6	0.603	Down	0.000020093	AFG3L2	88.583	41.886	17.4
Q13733	0.602	Down	2.11E-06	ATP1A4	114.17	323.31	29.6
P21912	0.602	Down	0.00009769	SDHB	31.629	84.712	41.4
P50213	0.602	Down	0.00091625	IDH3A	39.591	35.627	24.9
Q02978	0.602	Down	0.00024492	SLC25A11	34.061	51.672	23.2
P22570	0.602	Down	0.0028836	FDXR	53.836	28.317	15.3
Q8WW43	0.602	Down	0.000059274	APH1B	28.46	2.4456	4.7
P43155	0.601	Down	0.00034296	CRAT	70.857	74.528	28.6
A0A1B0GUW6	0.6	Down	9.96E-07	SPEM3	128.65	323.31	31.8
Q5TCS8	0.6	Down	0.00029963	AK9	221.41	16.859	5.4
Q9HC21	0.599	Down	1.66E-06	SLC25A19	35.511	60.395	35
P13073	0.598	Down	7.50E-07	COX4I1	19.576	79.337	43.8
Q5JX69	0.598	Down	0.000024144	FAM209B	19.498	60.848	55
Q9BQ16	0.598	Down	0.0048434	SPOCK3	49.428	70.413	20.2
O75390	0.597	Down	0.000024904	CS	51.712	104.99	27.7
Q08830	0.597	Down	0.000140092	FGL1	36.379	26.118	14.7

Q969V4	0.595	Down	1.63E-05	TEKT1	48.283	62.019	40.4
P42765	0.595	Down	0.00112488	ACAA2	41.924	234.63	43.1
Q9Y6A4	0.595	Down	1.54E-05	CFAP20	22.774	26.084	25.4
Q5KU26	0.595	Down	0.000099508	COLEC12	81.514	15.357	4
H3BRN8	0.595	Down	0.0056214	C15orf65	13.763	14.039	23.1
P23786	0.594	Down	3.35E-06	CPT2	73.776	245.52	38.9
Q13423	0.594	Down	0.0057355	NNT	113.89	22.739	10.5
Q96SK2	0.594	Down	0.000063226	TMEM209	62.921	108.61	13.7
Q96RQ3	0.594	Down	0.0097786	MCCC1	80.472	34.214	6.9
Q06190	0.594	Down	0.00050161	PPP2R3A	130.28	-2	1
O00330	0.593	Down	0.000023381	PDHX	54.122	144.46	33.1
P04233	0.593	Down	0.00058029	CD74	33.515	10.771	7.8
Q9H0C2	0.592	Down	1.91E-05	SLC25A31	35.021	69.707	47.6
O75604	0.592	Down	0.000075421	USP2	68.071	15.662	9.6
Q5I0G3	0.591	Down	0.000040791	MDH1B	58.65	8.1925	6.6
P61604	0.59	Down	4.13E-06	HSPE1	10.932	43.582	78.4
O75323	0.59	Down	0.000196623	NIPSNAP2	33.742	29.921	13.3
Q6S8J3	0.589	Down	0.00049565	POTEE	121.36	-2	8.5
Q9H4K1	0.588	Down	4.68E-07	RIBC2	37.059	71.267	37.5
Q96M95	0.588	Down	1.77E-07	CCDC42	38.019	76.35	31
Q9H4Y5	0.588	Down	0.000096077	GSTO2	28.254	21.741	20.2
Q5VTH9	0.588	Down	0.000099507	WDR78	94.572	20.86	7.5
P36957	0.587	Down	0.000116787	DLST	48.755	88.114	19
P20674	0.587	Down	0.00069823	COX5A	16.762	37.717	38
Q9H1X1	0.587	Down	0.0041228	RSPH9	31.291	65.344	25
Q5VU69	0.586	Down	0.0002414	C1orf189	12.131	21.315	43.6
Q9C005	0.586	Down	0.000099363	DPY30	11.25	5.9937	18.2
Q6ZUB1	0.585	Down	0.000023275	SPATA31E1	157.13	135.78	19.9
Q8TCU4	0.585	Down	0.00010387	ALMS1	461.06	34.495	2.4
Q495T6	0.585	Down	0.00110325	MMEL1	89.366	17.158	6.5
Q9UKF5	0.585	Down	0.000022298	ADAM29	92.758	66.408	7.9
Q16740	0.585	Down	0.0064447	CLPP	30.18	13.74	18.1
Q8WWF5	0.584	Down	0.000021073	ZNRF4	46.958	10.383	8.6
Q07955	0.583	Down	0.00118082	SRSF1	27.744	17.135	23
P01834	0.582	Down	0.008399	IGKC	11.765	112.36	48.6
Q96QE4	0.581	Down	0.00025545	LRRC37B	105.57	323.31	28.3
Q15506	0.581	Down	0.00020106	SPA17	17.406	121.94	68.9
Q8IYX3	0.581	Down	0.00018248	CCDC116	56.939	18.77	10.1
Q8NDM7	0.58	Down	1.77E-05	CFAP43	191.98	55.65	13.1
P19367	0.579	Down	2.43E-06	HK1	102.48	323.31	44.8
P35232	0.579	Down	0.000040064	PHB	29.804	123.42	44.1
Q16629	0.579	Down	0.000161139	SRSF7	27.366	55.013	26.5
O75071	0.579	Down	0.00075999	EFCAB14	55.031	20.431	9.1
Q9HC84	0.578	Down	1.92E-05	MUC5B	596.33	323.31	8.4
Q96RQ9	0.578	Down	0.000037798	IL4I1	62.88	109.99	27.9
P59910	0.578	Down	1.98E-05	DNAJB13	36.118	110.77	40.8
Q96IX5	0.578	Down	0.0002356	USMG5	6.4575	48.89	44.8

Q9H0J4	0.577	Down	0.000036467	QRICH2	180.82	195.67	13
Q8TBZ2	0.577	Down	0.00135743	MYCBPAP	108.15	11.971	3.6
Q8TC29	0.575	Down	3.02E-06	ENKUR	29.454	63.125	46.1
Q9NRY7	0.575	Down	0.0023188	PLSCR2	33.503	15.228	5.1
P55795	0.574	Down	1.65E-05	HNRNPH2	49.263	16.704	14.3
Q9NT22	0.574	Down	0.0001587	EMILIN3	82.646	17.08	5.7
Q8N3J2	0.574	Down	0.000120861	METTL4	54.041	-2	1.7
Q8IYE0	0.573	Down	4.77E-06	CCDC146	112.81	24.763	9.3
A6NJV1	0.573	Down	0.000062873	C2orf70	23.421	43.618	22.4
O75431	0.573	Down	0.00033777	MTX2	29.763	22.923	20.5
P30049	0.573	Down	0.000119824	ATP5F1D	17.49	142.35	13.7
Q8NHU2	0.573	Down	0.0024005	CFAP61	141.35	9.8665	4.6
Q9Y639	0.573	Down	0.00033844	NPTN	44.387	10.732	6
Q99798	0.572	Down	2.78E-06	ACO2	85.424	323.31	38.1
Q6UW49	0.572	Down	0.000098301	SPESP1	38.931	323.31	42.3
Q5T2S8	0.572	Down	8.67E-07	ARMC4	115.68	173.79	20.2
P10809	0.571	Down	1.88E-05	HSPD1	61.054	323.31	49.4
Q9BS86	0.571	Down	0.000042726	ZBPB	40.141	184.91	37.9
Q5JTV8	0.571	Down	0.00048253	TOR1AIP1	66.248	66.671	20.6
Q9UKR8	0.571	Down	0.00131965	TSPAN16	26.265	26.308	15.5
Q0VAA2	0.571	Down	0.000081533	LRRC74A	54.534	3.742	3.7
Q15942	0.571	Down	0.000158906	ZYX	61.277	6.8138	4.7
Q96JB1	0.57	Down	3.94E-06	DNAH8	514.66	323.31	23
Q8TDY3	0.57	Down	0.000004143	ACTRT2	41.701	100.29	30
P30740	0.57	Down	0.00045638	SERPINB1	42.741	30.45	20.1
O75400	0.57	Down	4.00E-08	PRPF40A	108.8	3.3086	2.6
O00217	0.569	Down	0.000100841	NDUFS8	23.705	26.701	30.5
Q5BN46	0.569	Down	0.00054024	C9orf116	15.26	20.449	28.7
Q9UFH2	0.568	Down	1.62E-06	DNAH17	511.78	323.31	27.2
Q0VFZ6	0.568	Down	1.39E-06	CCDC173	66.402	134.41	37.5
Q5VZ72	0.568	Down	0.000036492	IZUMO3	27.768	12.347	19.2
O75594	0.568	Down	0.00073919	PGLYRP1	21.731	37.921	12.2
Q53QW1	0.568	Down	0.0036782	TEX44	41.589	6.3507	4.3
O14548	0.568	Down	0.0020617	COX7A2L	12.615	8.2165	11.4
Q8NEH6	0.567	Down	0.000103542	MNS1	60.571	104.34	37.2
Q14093	0.567	Down	2.11E-08	CYLC2	39.078	139.69	31.9
Q5TEZ5	0.566	Down	0.000020124	C6orf163	38.553	43.131	31.6
Q4LDG9	0.566	Down	0.000020172	DNAL1	21.533	46.868	41.1
P02774	0.566	Down	0.000160682	GC	52.963	157.08	21.1
O43181	0.566	Down	1.80E-05	NDUFS4	20.108	2.5723	5.1
Q9UII2	0.565	Down	0.000020293	ATPIF1	12.249	19.666	41.5
Q96LM6	0.564	Down	0.000160235	TEX37	20.614	22.358	32.8
Q8WW24	0.563	Down	2.48E-06	TEKT4	50.648	323.31	59.1
P58340	0.563	Down	0.00074434	MLF1	30.627	77.747	41.8
Q9C002	0.563	Down	0.00020411	NMES1	9.6172	15.563	27.7
P30084	0.562	Down	0.00032171	ECHS1	31.387	94.375	25.5
Q9H0B3	0.561	Down	1.80E-06	IQCN	127.69	323.31	52.2

O75489	0.561	Down	0.00128437	NDUFS3	30.241	45.793	37.1
Q8N4L4	0.56	Down	0.00120258	SPEM1	34.773	90.558	23.6
Q6P4A8	0.56	Down	0.000138365	PLBD1	63.254	8.0269	7.1
O95167	0.56	Down	0.0000395	NDUFA3	9.2787	46.549	50
Q9H9A6	0.559	Down	0.000097262	LRRC40	68.249	10.247	9
Q8IYV9	0.557	Down	0.00158257	IZUMO1	38.93	15.734	13.7
P04179	0.555	Down	2.39E-06	SOD2	24.75	64.783	31.1
O75923	0.555	Down	0.00101937	DYSF	237.29	21.28	3.5
Q9NQ60	0.554	Down	0.00047837	EQTN	32.839	233.39	21.4
Q6TDU7	0.554	Down	0.0054422	CASC1	83.159	50.053	10.6
Q12798	0.554	Down	0.000022931	CETN1	19.57	10.593	14.5
Q8TE73	0.553	Down	0.000178303	DNAH5	529.01	2.8356	2.1
Q9UKV3	0.553	Down	0.0171026	ACIN1	151.86	12.618	2.1
Q96KX0	0.551	Down	0.000001482	LYZL4	16.433	89.663	53.4
Q5T5A4	0.551	Down	1.59E-05	C1orf194	19.349	93.609	47.3
Q5JRM2	0.551	Down	0.00063614	CXorf66	39.943	41.887	23.5
Q6ZUB0	0.55	Down	0.000024516	SPATA31D4	102.3	75.048	18.3
P14854	0.55	Down	3.17E-06	COX6B1	10.192	64.156	75.6
Q9H5F2	0.55	Down	0.0061635	C11orf1	17.785	30.738	31.3
Q9NRG7	0.55	Down	2.03E-06	SDR39U1	34.747	8.6419	10.7
Q5T871	0.549	Down	0.000075465	LELP1	10.697	30.286	45.9
Q5T5S1	0.548	Down	0.000120361	CCDC183	62.689	46.709	27.3
Q9Y615	0.548	Down	0.00033779	ACTL7A	48.643	89.437	35.6
O43837	0.548	Down	0.000163118	IDH3B	42.183	76.313	21
Q5VUJ9	0.548	Down	0.00054043	EFCAB2	29.713	1.7488	3.3
P10323	0.546	Down	1.82E-05	ACR	45.846	258.67	31.6
P26436	0.546	Down	0.000117713	ACRV1	28.156	52.972	14.3
Q8NA69	0.546	Down	0.0049806	TEX45	57.33	13.348	16.4
P13284	0.546	Down	0.0075248	IFI30	27.963	-2	4.4
O75356	0.545	Down	0.00043551	ENTPD5	47.517	25.786	6.3
Q96NG3	0.544	Down	1.59E-05	TTC25	76.654	291.03	33.2
P07919	0.544	Down	0.00009973	UQCRH	10.739	58.685	61.5
O75964	0.542	Down	0.0021965	ATP5L	11.428	9.4634	23.3
Q13421	0.541	Down	0.0031816	MSLN	68.985	38.109	14
P0DOX5	0.541	Down	0.00117908	---	48.986	14.21	13.4
P00450	0.541	Down	0.00066464	CP	122.2	15.552	6.3
A0A0B4J2F0	0.54	Down	1.54E-05	PIGBOS1	6.3133	3.7919	18.5
A7E2U8	0.539	Down	2.11E-06	C4orf47	34.376	77.307	32
P35663	0.538	Down	2.92E-07	CYLC1	74.241	163.49	25.5
Q96M32	0.538	Down	0.000021355	AK7	82.657	8.438	4.7
P30405	0.537	Down	1.90E-05	PPIF	22.04	7.3452	23.7
Q9NY87	0.536	Down	0.000104428	SPANXC	10.982	172.5	64.9
Q8TDL5	0.536	Down	0.00031758	BPIFB1	52.441	39.639	14.3
P26583	0.536	Down	4.89E-06	HMGB2	24.033	19.602	17.7
P02654	0.536	Down	0.0002831	APOC1	9.3318	3.7221	21.7
Q16698	0.535	Down	0.000020087	DECR1	36.067	239.13	40.6
O75951	0.535	Down	0.0040418	LYZL6	16.956	79.969	25

Q8TAQ9	0.533	Down	0.000198125	SUN3	40.503	54.759	19.3
Q8N456	0.533	Down	0.00143871	LRRC18	29.737	9.2049	11.5
P09466	0.532	Down	0.000043429	PAEP	20.624	22.211	22.2
Q14156	0.532	Down	0.000022887	EFR3A	92.923	62.938	7.4
Q6ZVS7	0.532	Down	0.000064214	FAM183BP	16.193	15.616	17.8
Q8N7U6	0.531	Down	2.61E-06	EFHB	93.801	149.77	19.6
Q8TC94	0.531	Down	9.42E-07	ACTL9	45.627	178.45	38.9
Q16718	0.531	Down	0.000057707	NDUFA5	13.459	37.772	44
Q08477	0.53	Down	0.0095413	CYP4F3	59.846	14.334	10.4
Q8IYK2	0.527	Down	4.33E-06	CCDC105	56.908	111.02	40.7
P10606	0.527	Down	1.92E-05	COX5B	13.696	46.977	51.2
Q3ZCV2	0.527	Down	0.000038529	LEXM	47.583	9.745	9.1
O95631	0.527	Down	0.00057855	NTN1	67.748	18.259	7.6
P01833	0.526	Down	1.12E-06	PIGR	83.283	31.903	10.9
Q6URK8	0.525	Down	0.000021414	TEPP	30.717	38.633	48.7
Q8N865	0.525	Down	0.000056444	C7orf31	68.464	104.79	26.6
P43405	0.525	Down	0.000141471	SYK	72.065	41.379	11.2
Q9UI09	0.525	Down	9.21E-07	NDUFA12	17.114	47.789	50.3
Q53TS8	0.524	Down	0.002201	C2CD6	71.158	4.3408	3.2
Q6NXR0	0.523	Down	4.58E-07	IRGC	50.288	159.71	32.4
A6NCJ1	0.523	Down	0.0027355	C19orf71	24.176	45.841	41.1
O43247	0.521	Down	0.000044621	TEX33	30.724	22.859	27.5
Q8NEB7	0.52	Down	1.05E-06	ACRBP	61.358	296.81	40.3
Q99417	0.519	Down	0.000160452	MYCBP	11.967	37.444	54.4
Q6Q759	0.517	Down	1.84E-05	SPAG17	251.74	68.101	6.3
O43920	0.517	Down	1.77E-05	NDUFS5	12.517	10.823	44.3
O75947	0.516	Down	0.00053955	ATP5H	18.491	26.508	57.8
O14949	0.516	Down	1.69E-05	UQCRQ	9.9062	12.973	51.2
Q6P656	0.516	Down	0.000019806	CFAP161	34.294	49.248	22.3
P02749	0.516	Down	0.00062291	APOH	38.298	108.81	11
P0DKB6	0.516	Down	0.0064998	MPC1L	15.137	24.561	25
Q8N1D5	0.515	Down	0.000040897	C1orf158	23.067	29.039	34
Q15233	0.514	Down	0.000023505	NONO	54.231	11.292	10.4
O75746	0.513	Down	4.96E-06	SLC25A12	74.761	36.316	14.9
O96015	0.513	Down	0.000038073	DNAL4	12.009	4.1878	17.1
P21741	0.512	Down	4.31E-06	MDK	15.585	196.95	55.2
P09669	0.512	Down	1.82E-07	COX6C	8.7813	22.399	50.7
Q8NEA5	0.512	Down	0.0127396	C19orf18	24.151	13.227	9.3
Q9Y2R0	0.512	Down	1.79E-05	COA3	11.731	5.313	26.4
P04004	0.511	Down	0.00103898	VTN	54.305	54.37	15.1
Q6ZN84	0.511	Down	0.000199789	CCDC81	76.083	31.972	16.7
Q9Y6N5	0.51	Down	0.000143578	SQOR	49.96	37.709	21.1
P01008	0.508	Down	0.000024894	SERPINC1	52.602	18.19	9.3
P47985	0.507	Down	9.20E-07	UQCRFS1	29.668	77.389	21.5
Q8WTU0	0.507	Down	0.00167728	DDI1	44.124	18.975	16.9
Q8N6K0	0.506	Down	0.000141544	TEX29	16.649	2.8505	8.6
Q58FG1	0.504	Down	0.000077486	HSP90AA4P	47.711	15.964	8.9

P05186	0.504	Down	1.58E-05	ALPL	57.304	27.781	13.2
Q9NS26	0.503	Down	3.56E-07	SPANXA1	11.038	68.269	64.9
Q00059	0.502	Down	0.000040675	TFAM	29.096	59.473	39
Q8TDB8	0.501	Down	2.95E-06	SLC2A14	56.319	30.658	13.7
Q2KJY2	0.501	Down	1.82E-05	KIF26B	223.88	3.381	0.7
Q9HAE3	0.498	Down	0.0039963	EFCAB1	24.488	9.8836	14.2
Q12846	0.498	Down	0.000079162	STX4	34.18	30.874	6.4
P28799	0.497	Down	0.000023855	GRN	63.544	8.8772	6.6
O75764	0.497	Down	0.0025755	TCEA3	38.971	-2	2
P82909	0.496	Down	0.000021768	MRPS36	11.466	21.419	41.7
Q5T1C6	0.496	Down	0.000035068	THEM4	27.129	20.816	16.7
Q9UIK5	0.493	Down	0.00003542	TMEFF2	41.428	11.075	7.8
Q9GZS0	0.491	Down	1.26E-06	DNAI2	68.821	36.864	13.2
P48730	0.488	Down	0.0038631	CSNK1D	47.33	3.7151	6.3
Q99988	0.488	Down	0.000135401	GDF15	34.14	49.577	9.7
Q5T0N1	0.486	Down	0.000058729	CFAP70	125.72	7.9484	4.9
Q7Z4W2	0.485	Down	0.0038359	LYZL2	16.656	86.566	26.4
Q6V702	0.485	Down	0.000122362	C4orf22	26.869	30.557	17.2
P42167	0.485	Down	0.00021735	TMPO	50.67	76.781	14.5
Q9Y6M9	0.485	Down	0.0002825	NDUFB9	21.831	6.4789	14.5
Q8WW32	0.484	Down	1.97E-05	HMGB4	22.49	39.297	34.9
P00747	0.484	Down	0.00023946	PLG	90.568	65.476	12
P0DJG4	0.483	Down	0.000079629	THEGL	53.028	2.1004	1.7
P05141	0.482	Down	0.000056036	SLC25A5	32.852	50.4	37.2
Q7Z5V6	0.482	Down	7.99E-07	PPP1R32	47.294	167.41	26.8
Q9BXF9	0.48	Down	2.19E-06	TEKT3	56.635	216.01	55.7
Q9UI46	0.48	Down	1.63E-05	DNAI1	79.282	210.07	25.9
Q5CZC0	0.479	Down	2.88E-07	FSIP2	780.6	323.31	13.2
Q96HE7	0.479	Down	0.00002102	ERO1A	54.392	19.996	16.5
Q9BPU6	0.479	Down	0.000058212	DPYSL5	61.421	1.7417	1.2
P01024	0.478	Down	0.0022973	C3	187.15	100.03	10.5
Q8IXM7	0.478	Down	4.69E-06	ODF3L1	31.065	73.368	25.9
Q9Y3E0	0.477	Down	3.60E-06	GOLT1B	15.425	2.9156	9.4
P00751	0.474	Down	3.86E-06	CFB	85.532	34.533	13.1
A4D263	0.472	Down	1.55E-05	SPATA48	49.672	31.103	15.5
Q86UB9	0.472	Down	0.00061586	TMEM135	52.29	3.6416	4.8
P42858	0.471	Down	1.07E-06	HTT	347.6	6.8405	1.6
P84103	0.471	Down	0.000042583	SRSF3	19.329	43.231	22.6
Q6ZQR2	0.47	Down	5.60E-07	CFAP77	36.499	64.552	34.1
Q9BYC5	0.468	Down	0.000037664	FUT8	66.515	18.256	14.6
Q8IXY8	0.466	Down	0.000021184	PPIL6	35.228	4.6016	12.5
P02787	0.465	Down	1.91E-05	TF	77.063	259.69	37.7
Q86UX7	0.465	Down	0.0030562	FERMT3	75.952	44.562	10.9
Q5VTH2	0.465	Down	0.000198809	CFAP126	19.293	9.7296	16.9
P16070	0.463	Down	1.88E-06	CD44	81.537	5.237	3.4
P01023	0.456	Down	0.043139	A2M	163.29	175.37	6.6
P04217	0.45	Down	4.25E-06	A1BG	54.253	1.5997	1.6

Q9P2T0	0.449	Down	4.06E-06	THEG	43.443	15.191	19.8
P52566	0.449	Down	3.82E-06	ARHGDIB	22.988	11.701	13.4
O00160	0.446	Down	1.69E-05	MYO1F	124.84	19.852	9.3
P0C7N4	0.446	Down	0.000058603	TMEM191B	39.064	33.576	19.1
Q92522	0.446	Down	0.000115093	H1FX	22.487	11.12	16.4
P27918	0.446	Down	0.00046033	CFP	51.276	3.6193	4.7
Q6UWM5	0.443	Down	9.69E-07	GLIPR1L1	27.151	93.085	30.2
Q13185	0.442	Down	0.000020133	CBX3	20.811	9.5526	13.7
Q96SF2	0.44	Down	0.000022022	CCT8L2	59.387	6.9858	7.9
P43353	0.439	Down	0.000021085	ALDH3B1	51.839	8.7336	7.3
P07305	0.434	Down	0.000037602	H1F0	20.863	12.805	27.3
P38159	0.434	Down	0.0102208	RBMX	42.331	2.0908	7.4
P19338	0.433	Down	4.68E-06	NCL	76.613	82.809	15.2
O75380	0.432	Down	0.00025713	NDUFS6	13.711	24.981	33.9
Q03252	0.43	Down	0.000039666	LMNB2	69.948	4.5826	9.8
Q8NG31	0.43	Down	0.00057976	KNL1	265.39	2.1482	0.4
Q9HAQ2	0.429	Down	0.000039168	KIF9	89.985	45.79	11
Q6UXK2	0.429	Down	0.000122842	ISLR2	78.989	2.0983	1.9
A5D8V7	0.425	Down	0.000077681	CCDC151	69.139	68.224	26.4
P13498	0.425	Down	1.97E-06	CYBA	21.012	6.824	20
Q9H1E3	0.424	Down	0.000143707	NUCKS1	27.296	1.7651	3.7
P14555	0.421	Down	1.90E-05	PLA2G2A	16.083	135.65	45.8
Q5SSJ5	0.421	Down	0.000038469	HP1BP3	61.206	22.585	10.7
P30273	0.419	Down	0.000042264	FCER1G	9.6674	8.9489	26.7
Q9P241	0.419	Down	0.000139647	ATP10D	160.27	1.6878	0.6
Q96A26	0.418	Down	0.000041871	FAM162A	17.342	1.7395	5.2
Q96LQ0	0.416	Down	0.00112233	PPP1R36	49.44	3.93	5
Q6ZTR5	0.415	Down	0.000124013	CFAP47	361.62	23.04	2.1
Q15080	0.408	Down	0.0100567	NCF4	39.031	9.9419	12.1
P49959	0.405	Down	0.000084293	MRE11	80.592	8.3318	4.8
Q8N6G2	0.402	Down	0.00054119	TEX26	33.595	7.3639	7.3
Q01130	0.402	Down	0.000157835	SRSF2	25.476	2.0078	3.6
Q15413	0.401	Down	0.00034376	RYR3	552.04	2.3867	0.3
P27105	0.4	Down	0.00140446	STOM	31.73	86.291	31.6
Q2M243	0.399	Down	0.000024045	CCDC27	75.354	73.32	13.3
P20700	0.398	Down	0.00075519	LMNB1	66.408	126.02	31.7
Q5TZF3	0.395	Down	0.000080787	ANKRD45	31.809	4.7072	4.6
Q96M63	0.393	Down	0.000001948	CCDC114	75.045	44.229	15.2
O75602	0.391	Down	0.00001849	SPAG6	55.476	62.062	17.3
O00423	0.39	Down	3.92E-07	EML1	89.86	5.9456	1.7
Q9UBX7	0.389	Down	0.000057121	KLK11	31.059	73.677	17
Q9UHI8	0.382	Down	1.33E-07	ADAMTS1	105.36	126.05	9.6
P49221	0.381	Down	9.78E-07	TGM4	77.144	323.31	37.6
P52790	0.38	Down	0.000063379	HK3	99.024	16.61	8
P08670	0.379	Down	1.58E-06	VIM	53.651	323.31	53.4
P22087	0.379	Down	0.000022028	FBL	33.784	8.8734	5.9
Q96M29	0.376	Down	1.99E-08	TEKT5	56.294	323.31	56.1

Q5W041	0.376	Down	1.68E-06	ARMC3	96.404	23.408	10.4
O00193	0.376	Down	0.000182318	SMAP	20.332	1.6768	3.8
P19878	0.375	Down	0.000084243	NCF2	59.761	16.785	8.9
Q8IZS6	0.372	Down	0.000139786	TCTE3	23.175	29.228	18.2
P00738	0.371	Down	3.16E-06	HP	45.205	52.373	25.1
Q9Y6V0	0.369	Down	1.51E-05	PCLO	560.69	2.407	0.3
P28676	0.356	Down	1.91E-05	GCA	24.01	69.374	33.6
P18084	0.352	Down	3.00E-06	ITGB5	88.053	2.3719	1.1
P09769	0.348	Down	0.00029684	FGR	59.478	4.1495	5.1
P02671	0.344	Down	0.00138319	FGA	94.972	3.3274	1.4
P24158	0.343	Down	0.000057317	PRTN3	27.807	-2	6.6
A4D1T9	0.342	Down	0.00025978	PRSS37	26.444	56.746	24.3
Q4G0P3	0.338	Down	1.77E-05	HYDIN	575.89	26.468	2.6
Q71DI3	0.334	Down	0.000021807	HIST2H3A	15.388	1.7651	36
P31146	0.333	Down	1.55E-05	CORO1A	51.026	80.971	14.8
P09917	0.333	Down	0.00054112	ALOX5	77.982	33.73	6.2
Q8TE04	0.325	Down	4.38E-06	PANK1	64.339	-2	4
Q9NS25	0.323	Down	1.08E-06	SPANXB1	11.84	323.31	86.4
Q8NBQ5	0.322	Down	1.04E-06	HSD17B11	32.935	22.671	18
P22894	0.314	Down	0.00180227	MMP8	53.411	30.159	10.1
Q9UBG3	0.311	Down	2.54E-06	CRNN	53.533	43.351	10.7
P00734	0.311	Down	7.27E-07	F2	70.036	26.029	3.2
P48960	0.31	Down	0.00120484	CD97	91.868	13.6	5.5
Q5T0W9	0.31	Down	1.37E-06	FAM83B	114.8	1.6203	0.9
Q16099	0.308	Down	0.00059844	GRIK4	107.24	-2	1.5
P06703	0.306	Down	1.80E-05	S100A6	10.18	3.3456	24.4
O15226	0.305	Down	8.70E-07	NKRF	77.672	1.8774	1.3
P25815	0.304	Down	0.000100158	S100P	10.4	13.782	24.2
O95139	0.302	Down	0.000115342	NDUFB6	15.489	32.941	19.5
O75367	0.299	Down	0.00039641	H2AFY	39.617	49.377	11.6
P19174	0.299	Down	0.0056442	PLCG1	148.53	-2	0.6
Q9C093	0.298	Down	1.95E-06	SPEF2	209.81	17.879	5
P14598	0.297	Down	0.000083378	NCF1	44.651	18.284	10.8
P20292	0.295	Down	1.72E-05	ALOX5AP	18.157	1.7483	5.6
Q9P2G3	0.29	Down	0.028841	KLHL14	70.713	3.1633	3.3
Q14956	0.29	Down	3.38E-08	GNPMB	63.922	2.5836	1.6
P08575	0.289	Down	0.000021311	PTPRC	147.48	49.196	10.9
Q9HD89	0.289	Down	1.64E-05	RETN	11.419	100.97	59.3
P05771	0.289	Down	0.000082584	PRKCB	76.868	3.3611	4
P21730	0.289	Down	2.09E-06	C5AR1	39.335	2.5938	2.9
P04839	0.287	Down	0.00004306	CYBB	65.335	35.155	10.9
P53999	0.28	Down	3.55E-07	SUB1	14.395	11.51	17.3
O95466	0.28	Down	0.000062851	FMNL1	121.85	1.9657	1
Q8NCH0	0.277	Down	1.79E-06	CHST14	42.996	10.855	7.4
Q96QU1	0.275	Down	0.000038575	PCDH15	216.07	-2	0.7
Q5SSQS8	0.273	Down	0.00186349	C10orf120	39.268	4.6163	8.1
P32942	0.273	Down	0.000175685	ICAM3	59.54	2.669	1.5

Q9H329	0.269	Down	2.05E-07	EPB41L4B	99.711	-2	0.8
Q10588	0.265	Down	0.00043954	BST1	35.724	12.656	12.9
A5D8W1	0.264	Down	0.031655	CFAP69	105.88	76.908	8
P14780	0.256	Down	1.89E-05	MMP9	78.457	123.02	25.6
P08246	0.251	Down	9.33E-07	ELANE	28.518	9.5136	9.7
P41218	0.249	Down	1.68E-05	MNDA	45.836	112.85	22.9
A1A4V9	0.248	Down	0.000123625	CCDC189	37.921	24.65	8.2
P05107	0.247	Down	0.0037627	ITGB2	84.781	139.04	27.7
P17213	0.247	Down	0.00093606	BPI	53.899	77.083	16.4
P11215	0.241	Down	2.92E-06	ITGAM	127.18	258.13	24.9
P10176	0.241	Down	0.00051533	COX8A	7.579	1.7355	13
Q496Y0	0.241	Down	5.51E-07	LONRF3	84.489	-2	0.9
P05164	0.236	Down	4.40E-08	MPO	83.868	265.85	36.9
P30711	0.231	Down	0.000022987	GSTT1	27.335	5.7329	9.2
P61626	0.23	Down	0.000001316	LYZ	16.537	25.657	49.3
P12724	0.229	Down	0.006015	RNASE3	18.385	57.176	21.9
P04003	0.228	Down	0.0054445	C4BPA	67.033	9.4953	2.3
P26022	0.226	Down	0.000042966	PTX3	41.975	3.0188	2.6
Q32M84	0.219	Down	3.76E-07	BTBD16	58.48	4.3379	5.9
Q9Y5U8	0.214	Down	2.09E-07	MPC1	12.347	2.6723	15.6
P08311	0.212	Down	1.63E-06	CTSG	28.837	126.62	42
P80188	0.198	Down	0.0002563	LCN2	22.588	86.84	45.5
P16401	0.186	Down	9.34E-07	HIST1H1B	22.58	37.74	27.4
O95498	0.181	Down	3.83E-06	VNN2	58.502	10.032	4.2
Q9Y4K1	0.178	Down	1.71E-05	CRYBG1	188.67	6.9781	2.8
Q502W6	0.169	Down	0.000155345	VWA3B	145.75	3.6818	1.6
Q9NW08	0.167	Down	9.77E-07	POLR3B	127.78	1.792	0.7
P08631	0.156	Down	6.57E-07	HCK	59.599	6.4977	8.9
Q9NRL3	0.146	Down	0.0061026	STRN4	80.595	13.243	3.2
O75015	0.144	Down	0.000041324	FCGR3B	26.216	5.6043	5.2
P06702	0.139	Down	0.00115966	S100A9	13.242	271.67	74.6
P05109	0.132	Down	6.65E-07	S100A8	10.834	140.43	63.4
Q9UPZ3	0.13	Down	3.84E-06	HPS5	127.45	-2	0.8
Q9C035	0.123	Down	0.000064098	TRIM5	56.338	7.8562	7.3
Q9H195	0.119	Down	2.90E-06	MUC3B	131.4	1.8776	2.6
P09497	0.097	Down	0.000042214	CLTB	25.19	3.3309	10
Q29983	0.095	Down	0.00106291	MICA	42.915	-2	1.8
Q6ZS02	0.094	Down	0.000041665	DNM1P46	23.739	-2	4.5
O15018	0.069	Down	2.46E-07	PDZD2	301.64	2.324	0.4
Q86Y34	0.062	Down	0.000004049	ADGRG3	60.86	6.8931	2.6
P80511	0.06	Down	1.98E-07	S100A12	10.575	18.416	31.5
Q96A54	0.059	Down	0.000044662	ADIPOR1	42.615	-2	3.2
Q8WWQ0	0.039	Down	1.19E-07	PHIP	206.69	2.9061	0.8
Q01740	0.038	Down	7.17E-07	FMO1	60.31	1.6055	2.1