

Supplementary Table 2: list of proteins which abundance is significantly modified in response to cell exposure to 0.1 µm polystyrene particles

BH: false discovery rate according to Benjamini-Hochberg; SGoF: false discovery rate according to the sequential goodness of fit method; SFisher: false discovery rate according to the sequential Fisher method

acc number	gene_name	description	protein_set_score	coverage	MW (Da)	#peptides	T test 0.1 µm	Ratio 0.1 µm/ctrl	B-H	SGoF+	SFisher	Q-value
P11103	Parp1	Poly [ADP-ribose] polymerase 1	976.93	25.77	113100	18	1.2592E-05	1.422205831	0.034858734	0	0	0.014104291
Q8VDJ3	Hdlbp	Vigilin	1815.6	30.21	141743	31	5.1354E-05	1.514853456	0.034858734	0	0	0.014104291
Q8BH61	F13a1	Coagulation factor XIII A chain	43.47	2.19	83207	1	9.5774E-05	10.58213555	0.034858734	0	0	0.014104291
A0MZ67	Shtn1	Shootin-1	202.58	8.06	71446	4	0.00011686	2.543931415	0.034858734	0	0	0.014104291
P62196	Psmc5	26S proteasome regulatory subunit 8	759.97	40.39	45626	13	0.00012766	1.446230331	0.034858734	0	0	0.014104291
P56399	Usp5	Ubiquitin carboxyl-terminal hydrolase 5	1049.75	30.42	95833	19	0.00013156	1.376775551	0.034858734	0	0	0.014104291
Q91VR5	Ddx1	ATP-dependent RNA helicase DDX1	905.19	31.76	82500	16	0.00014368	1.822864849	0.034858734	0	0	0.014104291
Q9Z0M5	Lipa	Lysosomal acid lipase/cholesteryl ester hydrolase	105.58	4.79	45325	2	0.00014956	4.731283722	0.034858734	0	0	0.014104291
Q6NZJ6	Eif4g1	Eukaryotic translation initiation factor 4 gamma 1	1620.48	22.81	176077	29	0.00015127	1.748999602	0.034858734	0	0	0.014104291
P04184	Tk1	Thymidine kinase, cytosolic	205.88	28.33	25776	5	0.00015182	1.80759823	0.034858734	0	0	0.014104291
Q8BTM8	Flna	Filamin-A	4874.93	41.48	281222	76	0.00015826	1.719145858	0.034858734	0	0	0.014104291
P62192	Psmc1	26S proteasome regulatory subunit 4	390.91	17.05	49185	7	0.00016266	1.581846223	0.034858734	0	0	0.014104291
P62334	Psmc6	26S proteasome regulatory subunit 10B	593.05	30.85	44173	10	0.00016282	2.241310655	0.034858734	0	0	0.014104291
Q5PPK9	Eipr1	EARP and GARP complex-interacting protein 1	38.64	3.37	43157	1	0.00017467	19.51334278	0.034858734	0	0	0.014104291
F1LMZ8	Psmd11	26S proteasome non-ATPase regulatory subunit 11	740.08	34.36	47464	14	0.00018652	1.811181126	0.034858734	0	0	0.014104291
Q9QXS1	Plec	Plectin	7877.069	38.39	534188	147	0.00023562	1.418064064	0.034858734	0	0	0.014104291
Q6A0A9	FAM120A	Constitutive coactivator of PPAR-gamma-like protein1	371.15	9.71	121646	8	0.00024157	1.423592588	0.034858734	0	0	0.014104291
Q71LX4	Tln2	Talin-2	594.96	3.75	253621	10	0.00024868	1.588188615	0.034858734	0	0	0.014104291
Q8BPU7	Elmo1	Engulfment and cell motility protein 1	219.22	11.69	83936	6	0.00025563	3.294607965	0.034858734	0	0	0.014104291
Q1HFZ0	Nsun2	tRNA (cytosine(34)-C(5))-methyltransferase	493	18.49	85452	10	0.00025872	2.161725995	0.034858734	0	0	0.014104291
P26039	Tln1	Talin-1	6208.992	49.82	269821	91	0.00026858	1.502287501	0.034858734	0	0	0.014104291
Q03963	Eif2ak2	Interferon-induced, double-stranded RNA-activated protein kinase	382.11	19.81	58280	6	0.00027557	1.852538178	0.034858734	0	0	0.014104291
Q9EQP2	Ehd4	EH domain-containing protein 4	849.75	35.86	61481	17	0.00028082	1.912441099	0.034858734	0	0	0.014104291
B2RQC6	Cad	CAD protein	1068.65	13.98	243238	23	0.00032585	1.841212119	0.038209178	0	0	0.015459923
Q91XD7	Creld1	Cysteine-rich with EGF-like domain protein 1	54.31	2.62	45718	1	0.0003406	7.042567221	0.038209178	0	0	0.015459923
O88958	Gnpda1	Glucosamine-6-phosphate isomerase 1	43.28	9.69	32549	1	0.00034796	71931.61652	0.038209178	0	0	0.015459923
Q4G009	Mcts1	Malignant T-cell-amplified sequence 1	121.98	10.44	20550	1	0.00039476	10.36519779	0.041742531	0	0	0.016889563
Q6P542	Abcfl1	ATP-binding cassette sub-family F member 1	418.04	13.62	94945	8	0.00041499	1.666137949	0.042313818	0	0	0.017120713
Q9WU78	Pdcd6ip	Programmed cell death 6-interacting protein	1129.38	31.07	96024	17	0.00045116	1.493100616	0.042448882	0	0	0.017175362
Q99JX4	Eif3m	Eukaryotic translation initiation factor 3 subunit M	513.85	28.61	42517	7	0.00046471	2.294242043	0.042448882	0	0	0.017175362
Q4LDD4	Arap1	Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1	44.15	0.96	162276	1	0.00046882	8.534149648	0.042448882	0	0	0.017175362
Q641Z6	Ehd1	EH domain-containing protein 1	685.35	33.52	60603	13	0.00048001	2.001307076	0.042448882	0	0	0.017175362
Q8R4X3	Rbm12	RNA-binding protein 12	166.15	4.03	102796	4	0.00049065	3.566828275	0.042448882	0	0	0.017175362
Q61510	Trim25	E3 ubiquitin/ISG15 ligase TRIM25	236.25	8.68	71726	4	0.00050988	2.532866505	0.042815044	0	0	0.017323516
Q924T2	Mrps2	28S ribosomal protein S2, mitochondrial	262.11	27.49	32313	5	0.00054984	1.95207922	0.044851307	0	0	0.018147414
Q8R491	Ehd3	EH domain-containing protein 3	345.1	13.08	60791	7	0.00058548	2.153531606	0.046431622	0	0	0.01878683
Q61749	Eif2b4	Translation initiation factor eIF-2B subunit delta	211.27	9.92	57624	4	0.00066446	2.45929069	0.048673384	0	0	0.019693876
P25444	Rps2	40S ribosomal protein S2	884.65	40.27	31231	15	0.0006921	1.496190731	0.048673384	0	0	0.019693876
P32261	Serpinc1	Antithrombin-III	231.23	7.1	52004	4	0.00069939	2.102992566	0.048673384	0	0	0.019693876
Q8JZK9	Hmgcs1	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	388.81	21.54	57569	7	0.00070865	3.027030787	0.048673384	0	0	0.019693876
Q80TE0	Rpap1	RNA polymerase II-associated protein 1	57.46	0.92	155270	1	0.00073177	7.944219625	0.048673384	0	0	0.019693876
Q99LC8	Eif2b1	Translation initiation factor eIF-2B subunit alpha	98.49	5.57	33816	1	0.00074616	3.937646242	0.048673384	0	0	0.019693876
P54822	Adsl	Adenylosuccinate lyase	755.65	37.4	54866	12	0.00074764	1.851851557	0.048673384	0	0	0.019693876
Q8CFI2	Cdc34	Ubiquitin-conjugating enzyme E2 R1	34.63	2.98	26622	1	0.00075013	4.764926772	0.048673384	0	0	0.019693876
P61982	Ywhag	14-3-3 protein gamma	778.16	50.2	28303	14	0.0007996	2.708172693	0.050615098	0	0	0.020479518
Q61879	Myh10	Myosin-10	1022.24	10.12	228996	19	0.00083013	1.522674855	0.050615098	0	0	0.020479518
Q5BJY6	Amdhd2	N-acetylglucosamine-6-phosphate deacetylase	148.98	8.31	43539	3	0.00083324	1.719609791	0.050615098	0	0	0.020479518

Q8CGF7	Teerg1	Transcription elongation regulator 1	350.65	7.18	123788	7	0.00087383	1.796817497	0.051974666	0	0	0.021029616
P68254	Ywhaq	14-3-3 protein theta	757.04	44.08	27778	12	0.00095664	3.095829934	0.055339481	0	0	0.022391064
Q9CQV8	Ywhab	14-3-3 protein beta/alpha	847.91	48.37	28086	13	0.00096917	2.952427639	0.055339481	0	0	0.022391064
O70456	Sfn	14-3-3 protein sigma	158.96	12.1	27706	4	0.00101367	3.741910843	0.056745834	0	0	0.022960092
P68510	Ywhah	14-3-3 protein eta	540.26	32.52	28212	10	0.00104642	3.300183229	0.057107643	0	0	0.023106485
Q6AY79	Hgh1	Protein HGH1 homolog	39.73	3.31	43132	1	0.00106014	5.290292709	0.057107643	0	0	0.023106485
Q8BJY1	Psmd5	26S proteasome non-ATPase regulatory subunit 5	296.7	19.64	55972	7	0.00112156	2.600064665	0.059297277	0	0	0.023992439
P62320	Snrpd3	Small nuclear ribonucleoprotein Sm D3	385.4	54.76	13916	7	0.00119248	0.709073564	0.061279765	0	0	0.024794579
Q9CR16	Ppid	Peptidyl-prolyl cis-trans isomerase D	365.23	17.3	40743	6	0.00120198	2.331593479	0.061279765	0	0	0.024794579
P63101	Ywhaz	14-3-3 protein zeta/delta	956.45	48.98	27771	14	0.00127445	2.33946406	0.061790541	0	0	0.025001245
Q8R3C0	Mcmbp	Mini-chromosome maintenance complex-binding protein	370.98	17.45	72891	7	0.00128187	2.113015572	0.061790541	0	0	0.025001245
P46471	Psmc2	26S proteasome regulatory subunit 7	958.45	38.11	48648	16	0.00128873	1.430525706	0.061790541	0	0	0.025001245
P70168	Kpnb1	Importin subunit beta-1	895.81	21.92	97184	16	0.0013189	1.381945139	0.061790541	0	0	0.025001245
P35979	Rpl12	60S ribosomal protein L12	472.11	49.7	17805	6	0.00133828	1.539066078	0.061790541	0	0	0.025001245
P52293	Kpna2	Importin subunit alpha-1	1311.19	44.99	57928	19	0.00136242	1.471745591	0.061790541	0	0	0.025001245
Q8VIJ5	Oga	Protein O-GlcNAcase	77.43	2.18	102918	2	0.0013635	2.772569978	0.061790541	0	0	0.025001245
Q9JKF1	Iqgap1	Ras GTPase-activating-like protein IQGAP1	4641.94	51.84	188742	74	0.0014195	1.428720673	0.062413701	0	0	0.025253384
Q04899	Cdk18	Cyclin-dependent kinase 18	160.51	8.87	51848	3	0.00146011	2.704482031	0.062413701	0	0	0.025253384
P83953	Kpna1	Importin subunit alpha-5	184.16	7.99	60137	3	0.00146883	2.594799049	0.062413701	0	0	0.025253384
P61924	Copz1	Coatomer subunit zeta-1	104.24	22.03	20198	3	0.00150165	2.923971235	0.062413701	0	0	0.025253384
Q8VHI3	Pofut2	GDP-fucose protein O-fucosyltransferase 2	64.95	3.26	49429	1	0.00155143	93231.58652	0.062413701	0	0	0.025253384
Q9JMA1	Usp14	Ubiquitin carboxyl-terminal hydrolase 14	1176.23	50.71	56002	20	0.00155215	1.784583438	0.062413701	0	0	0.025253384
Q99N69	Lpxn	Leupaxin	263.87	17.88	43478	6	0.00155661	2.31247393	0.062413701	0	0	0.025253384
Q2PQA9	Kif5b	Kinesin-1 heavy chain	638.44	14.43	109531	10	0.00163541	2.081894835	0.062413701	0	0	0.025253384
Q61074	Ppm1g	Protein phosphatase 1G	272.87	11.25	58728	5	0.00164311	1.643377717	0.062413701	0	0	0.025253384
Q04207	Rela	Transcription factor p65	44.41	2.55	60212	1	0.00164795	1.755220127	0.062413701	0	0	0.025253384
Q91W50	Csde1	Cold shock domain-containing protein E1	1036.8	29.82	88791	18	0.00165552	1.488164759	0.062413701	0	0	0.025253384
P54823	Ddx6	Probable ATP-dependent RNA helicase DDX6	665.64	33.54	54192	11	0.00167014	1.763575273	0.062413701	0	0	0.025253384
Q64152	Btf3	Transcription factor BTF3	627.07	41.67	22031	9	0.00168054	1.745940549	0.062413701	0	0	0.025253384
Q9QXB9	Drg2	Developmentally-regulated GTP-binding protein 2	211.09	12.09	40718	4	0.0017335	2.041779697	0.062413701	0	0	0.025253384
P28658	Atxn10	Ataxin-10	477.58	22.11	53707	8	0.00175152	2.469846472	0.062413701	0	0	0.025253384
Q9Z255	Ube2a	Ubiquitin-conjugating enzyme E2 A	52.41	6.58	17315	1	0.00178822	4.193712913	0.062413701	0	0	0.025253384
Q8BL66	Eea1	Early endosome antigen 1	586.06	10.84	160915	12	0.00181134	1.637573273	0.062413701	0	0	0.025253384
Q2NL51	Gsk3a	Glycogen synthase kinase-3 alpha	158.97	8.16	51661	3	0.00182346	5.922986165	0.062413701	0	0	0.025253384
P16110	Lgals3	Galectin-3	686.86	35.23	27515	12	0.00183561	1.547134341	0.062413701	0	0	0.025253384
Q61655	Ddx19a	ATP-dependent RNA helicase DDX19A	562.17	30.54	53933	10	0.00183726	1.859192459	0.062413701	0	0	0.025253384
Q8BH69	Seph1	Selenide, water dikinase 1	178.57	14.03	42907	4	0.00191449	2.56096887	0.062413701	0	0	0.025253384
Q69ZK0	Prex1	Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein	571.72	11.03	184935	13	0.00191977	2.123023066	0.062413701	0	0	0.025253384
P47856	Gfpt1	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1	162.85	5.02	78539	3	0.00192644	3.925322241	0.062413701	0	0	0.025253384
P56477	Irf5	Interferon regulatory factor 5	205.02	14.08	56005	4	0.00193772	2.778690271	0.062413701	0	0	0.025253384
P17426	Ap2a1	AP-2 complex subunit alpha-1	767.87	23.64	107664	16	0.00196506	1.648471731	0.062413701	0	0	0.025253384
Q9D7A6	Srp19	Signal recognition particle 19 kDa protein	132.76	18.06	16191	2	0.00197052	2.807798443	0.062413701	0	0	0.025253384
Q64105	Spr	Sepiapterin reductase	763.56	59.39	27883	12	0.00197497	1.846305122	0.062413701	0	0	0.025253384
P97386	Lig3	DNA ligase 3	45.7	0.99	113072	1	0.00198937	4.044985631	0.062413701	0	0	0.025253384
Q9ESH6	Glrx	Glutaredoxin-1	107.14	29.91	11879	3	0.0020557	1.948928295	0.063199493	0	0	0.025571325
Q8BML9	Qars	Glutamine--tRNA ligase	806.47	29.68	87677	18	0.00205869	1.577066459	0.063199493	0	0	0.025571325
D3ZYR1	Fcho2	F-BAR domain only protein 2	49.33	2.97	88712	1	0.00209817	4.635448866	0.063242698	0	0	0.025588807
Q61584	Fxr1	Fragile X mental retardation syndrome-related protein 1	818.29	27.33	76222	14	0.00216319	1.34180864	0.063242698	0	0	0.025588807
Q9WUP7	Uchl5	Ubiquitin carboxyl-terminal hydrolase isozyme L5	663.04	37.99	37617	14	0.0021652	2.134822725	0.063242698	0	0	0.025588807

Q60902	Eps1511	Epidermal growth factor receptor substrate 15-like 1	40.21	0.88	99309	1	0.00217316	6.734794646	0.063242698	0	0	0.025588807
Q8K1B8	Fermt3	Fermitin family homolog 3	1259.78	48.27	75635	23	0.00217985	1.485028103	0.063242698	0	0	0.025588807
P43274	Hist1h1e	Histone H1.4	777.19	34.25	21977	12	0.00219742	0.49697065	0.063242698	0	0	0.025588807
Q8VBW6	Nae1	NEDD8-activating enzyme E1 regulatory subunit	117.42	4.68	60274	2	0.00222686	2.995960934	0.063242698	0	0	0.025588807
Q9Z1Q9	Vars	Valine--tRNA ligase	2117.74	37.53	140215	37	0.00224167	1.633089939	0.063242698	0	0	0.025588807
Q61704	Itih3	Inter-alpha-trypsin inhibitor heavy chain H3	125.95	2.47	99358	3	0.00225946	1.830728194	0.063242698	0	0	0.025588807
Q6P7P5	Bzw1	Basic leucine zipper and W2 domain-containing protein 1	165.36	12.65	48043	4	0.00230371	2.52230883	0.063855401	0	0	0.025836714
Q9CZD3	Gars	Glycine--tRNA ligase	1137.19	32.92	81878	21	0.00235426	1.766836302	0.064457485	0	0	0.026080325
Q8CG48	Smc2	Structural maintenance of chromosomes protein 2	717.19	15.03	134239	14	0.00237216	1.792148736	0.064457485	0	0	0.026080325
Q8BGQ7	Aars	Alanine--tRNA ligase, cytoplasmic	1526.94	40.19	106909	26	0.00241573	1.73975233	0.064457485	0	0	0.026080325
B0BN93	Psmd13	26S proteasome non-ATPase regulatory subunit 13	355.53	21.01	42817	8	0.00241574	2.560159645	0.064457485	0	0	0.026080325
Q8BMJ2	Lars	Leucine--tRNA ligase, cytoplasmic	1136.64	23.6	134192	22	0.00246804	1.878043129	0.06524317	0	0	0.026398223
P19096	Fasn	Fatty acid synthase	3753.07	37.9	272428	67	0.00250859	1.669027125	0.065706559	0	0	0.026585717
Q8BMJ3	Eif1ax	Eukaryotic translation initiation factor 1A, X-chromosomal	257.75	36.81	16460	5	0.00256936	1.879032645	0.06668645	4.9406565e-324	0	0.026982193
Q9QY13	Dnajc7	DnaJ homolog subfamily C member 7	224.76	8.1	56476	3	0.00267067	2.176428481	0.068581639	1.4821969e-323	0	0.027749011
P83940	Eloc	Elongin-C	257.95	37.5	12473	3	0.00269042	2.28927281	0.068581639	6.916919e-323	0	0.027749011
P39749	Fen1	Flap endonuclease 1	554.75	21.43	42315	9	0.00278405	1.64896842	0.06990517	3.1126136e-322	0	0.028284528
P97371	Psmc1	Proteasome activator complex subunit 1	295.29	24.9	28673	5	0.00279131	3.025891846	0.06990517	1.3537399e-321	0	0.028284528
Q3THK7	Gmps	GMP synthase [glutamine-hydrolyzing]	1087.14	43.43	76723	20	0.00285947	1.972658164	0.070561106	5.8843218e-321	0	0.028549928
Q6P5F9	Xpo1	Exportin-1	608.3	12.23	123093	10	0.00286693	1.71160778	0.070561106	2.5528372e-320	0	0.028549928
P60229	Eif3e	Eukaryotic translation initiation factor 3 subunit E	372.73	20.9	52221	8	0.00297193	2.133176962	0.070904714	1.1057683e-319	0	0.028688957
Q99PP7	Trim33	E3 ubiquitin-protein ligase TRIM33	108.42	2.1	123843	2	0.00299817	2.826132131	0.070904714	4.7825555e-319	0	0.028688957
Q5SUR0	Pfas	Phosphoribosylformylglycinamide synthase	1007.33	19.67	144629	19	0.00302342	1.794703467	0.070904714	2.0655995e-318	0	0.028688957
P28352	Apex1	DNA-(apurinic or apyrimidinic site) lyase	455.02	35.33	35490	7	0.00302843	1.442114093	0.070904714	8.9088188e-318	0	0.028688957
P50399	Gdi2	Rab GDP dissociation inhibitor beta	1995.58	69.89	50537	34	0.00305523	1.805024011	0.070904714	3.836894e-317	0	0.028688957
Q9WV03	Fam50a	Protein FAM50A	137.26	12.68	40252	3	0.0030894	1.919250302	0.070904714	1.6501578e-316	0	0.028688957
Q9CQ17	Snrpb2	U2 small nuclear ribonucleoprotein B"	332.89	31.11	25323	8	0.00308954	0.778381639	0.070904714	7.0869162e-316	0	0.028688957
P53996	Cnbp	Cellular nucleic acid-binding protein	330.92	43.26	19592	6	0.00319163	1.78562024	0.070904714	3.0393125e-315	0	0.028688957
Q9CZY3	Ube2v1	Ubiquitin-conjugating enzyme E2 variant 1	398.85	36.05	16355	7	0.00319165	1.692864128	0.070904714	1.3016065e-314	0	0.028688957
P37913	Lig1	DNA ligase 1	619.96	14.41	102290	11	0.0032039	1.733957715	0.070904714	5.5663496e-314	0	0.028688957
Q9Z0X1	Aifm1	Apoptosis-inducing factor 1, mitochondrial	728.87	28.92	66765	12	0.00321759	0.757824565	0.070904714	2.3771015e-313	0	0.028688957
Q9WTP7	Ak3	GTP:AMP phosphotransferase AK3, mitochondrial	259.55	31.72	25426	4	0.00327518	2.48598356	0.070904714	1.0137049e-312	0	0.028688957
Q3TW96	Uap111	UDP-N-acetylhexosamine pyrophosphorylase-like protein 1	706.45	30.37	56614	12	0.00327931	1.909778754	0.070904714	4.3168008e-312	0	0.028688957
P61750	Arf4	ADP-ribosylation factor 4	645.19	47.22	20397	9	0.00328631	1.945807601	0.070904714	1.8356894e-311	0	0.028688957
Q62167	Ddx3x	ATP-dependent RNA helicase DDX3X	1692.59	47.58	73101	27	0.00328671	1.44947427	0.070904714	7.7951274e-311	0	0.028688957
A2AAY5	Sh3pxd2b	SH3 and PX domain-containing protein 2B	186.02	4.74	101517	5	0.00330858	1.986079352	0.070904714	3.3054769e-310	0	0.028688957
Q5XI32	Capzb	F-actin-capping protein subunit beta	1198.29	56.62	30629	19	0.00331679	1.498820332	0.070904714	1.3996905e-309	0	0.028688957
Q6AYH5	Dctn2	Dynactin subunit 2	166.19	8.21	44148	3	0.00332793	3.288019461	0.070904714	5.9185721e-309	0	0.028688957
P61290	Psmc3	Proteasome activator complex subunit 3	520.16	29.13	29506	9	0.00337223	2.394517112	0.071252415	2.499131e-308	0	0.028829641
B0BNE2	Polr2e	DNA-directed RNA polymerases I, II, and III subunit RPABC1	117.41	11.43	24570	2	0.00339416	0.675642696	0.071252415	1.053776e-307	0	0.028829641
Q3TC93	Hs1bp3	HCLS1-binding protein 3	64.99	7.09	43691	2	0.0034517	3.012630509	0.071702807	4.4370558e-307	0	0.029011875
Q99KC8	Vwa5a	von Willebrand factor A domain-containing protein 5A	1687.11	45.4	87143	28	0.00348216	1.387514296	0.071702807	1.8656443e-306	0	0.029011875
P13439	Umps	Uridine 5'-monophosphate synthase	452.35	24.32	52292	9	0.00349096	1.929571256	0.071702807	7.8333987e-306	0	0.029011875
P45377	Akr1b8	Aldose reductase-related protein 2	863.46	55.7	36121	15	0.00353853	1.396482536	0.072160658	3.2844235e-305	0	0.029197128
Q2L4X1	Bzw2	Basic leucine zipper and W2 domain-containing protein 2	136.41	8.83	48063	3	0.0035787	1.751593079	0.072212976	1.3751677e-304	0	0.029218296
Q7TSC1	Prrc2a	Protein PRRC2A	65.12	0.97	229203	1	0.00359168	6.762634702	0.072212976	5.7496295e-304	0	0.029218296
P29391	Ftl1	Ferritin light chain 1	538.2	49.18	20802	9	0.00364122	1.654000895	0.07251889	2.4005558e-303	0	0.029342073

P27546	Map4	Microtubule-associated protein 4	602.92	22.04	117429	15	0.00367401	1.485603765	0.07251889	1.0008559e-302	0	0.029342073
Q80TY0	Fnbp1	Formin-binding protein 1	434.16	17.05	71344	8	0.0036831	2.391143417	0.07251889	4.1669589e-302	0	0.029342073
Q3UZ39	Lrrfp1	Leucine-rich repeat flightless-interacting protein 1	647.42	24.69	79249	12	0.00371449	1.560058625	0.072636106	1.7324266e-301	0	0.0293895
P63028	Tpt1	Translationally-controlled tumor protein	252.57	44.19	19462	4	0.00375839	2.831656902	0.072994502	7.1924775e-301	0	0.029534512
Q9D2M8	Ube2v2	Ubiquitin-conjugating enzyme E2 variant 2	408.32	41.38	16367	8	0.00380215	1.796173154	0.073345528	2.9818808e-300	0	0.029676541
Q9D819	Ppa1	Inorganic pyrophosphatase	241.96	17.3	32667	5	0.00385301	2.588435946	0.073600536	1.2344976e-299	0	0.029779721
Q60865	Caprin1	Caprin-1	810.19	24.89	78169	14	0.00388513	1.983765264	0.073600536	5.1036214e-299	0	0.029779721
P23591	Tsta3	GDP-L-fucose synthase	206.47	14.02	35878	4	0.00389952	3.070631781	0.073600536	2.1069536e-298	0	0.029779721
P62994	Grb2	Growth factor receptor-bound protein 2	92.77	11.06	25206	2	0.00396486	3.071235158	0.073600536	8.6860014e-298	0	0.029779721
Q8K298	Anln	Anillin	413.93	10.17	122794	7	0.00397209	1.99343935	0.073600536	3.5758004e-297	0	0.029779721
Q93092	Taldo1	Transaldolase	1283.64	52.82	37387	25	0.00398066	1.64866512	0.073600536	1.4699927e-296	0	0.029779721
Q4V8K5	Brox	BRO1 domain-containing protein BROX	163.76	9.25	46192	3	0.00402968	3.716133202	0.073600536	6.0345608e-296	0	0.029779721
Q8BYW1	Arhgap25	Rho GTPase-activating protein 25	332.92	13.12	73383	6	0.00404223	2.258308298	0.073600536	2.4738013e-295	0	0.029779721
P02802	Mt1	Metallothionein-1	108.88	55.74	6018	2	0.00404738	2.329337983	0.073600536	1.0126811e-294	0	0.029779721
Q9CPU0	Glo1	Lactoylglutathione lyase	326.04	51.63	20810	7	0.00411012	2.694480165	0.074072823	4.1397047e-294	0	0.029970814
Q9JHU4	Dync1h1	Cytoplasmic dynein 1 heavy chain 1	4449.2	23.32	532045	86	0.0041993	1.541452051	0.074072823	1.6898762e-293	0	0.029970814
P99029	Prdx5	Peroxiredoxin-5, mitochondrial	730.88	57.14	21897	12	0.00421257	1.838908664	0.074072823	6.888574e-293	0	0.029970814
P10711	Tcea1	Transcription elongation factor A protein 1	529.83	39.87	33880	9	0.00423073	2.125133974	0.074072823	2.8040952e-292	0	0.029970814
P35123	Usp4	Ubiquitin carboxyl-terminal hydrolase 4	210.45	7.9	108343	5	0.00424737	2.896945947	0.074072823	1.1398435e-291	0	0.029970814
P10518	Alad	Delta-aminolevulinic acid dehydratase	433.91	32.12	36024	7	0.00425123	2.193581045	0.074072823	4.6268646e-291	0	0.029970814
P42932	Cct8	T-complex protein 1 subunit theta	1788.49	55.11	59555	33	0.00426939	1.754216815	0.074072823	1.875502e-290	0	0.029970814
Q3TIR1	Trappc13	Trafficking protein particle complex subunit 13	96.87	8.87	46477	2	0.00428092	2.396192844	0.074072823	7.5916731e-290	0	0.029970814
A2AIV8	Card9	Caspase recruitment domain-containing protein 9	50.62	1.87	62462	1	0.00436375	4.912521754	0.074838237	3.0686458e-289	0	0.03028051
P22682	Cbl	E3 ubiquitin-protein ligase CBL	75.93	1.64	100564	1	0.00438174	4.061479572	0.074838237	1.2386408e-288	0	0.03028051
O88746	Tom1	Target of Myb protein 1	302.76	17.68	54325	6	0.00440379	1.731504208	0.074838237	4.992676e-288	0	0.03028051
Q9JKX6	Nudt5	ADP-sugar pyrophosphatase	97.17	13.3	23984	2	0.00447315	1.788082054	0.075567055	2.0096057e-287	0	0.0305754
Q7TQH0	Atxn2l	Ataxin-2-like protein	476.95	12.2	110649	9	0.00452857	2.005169719	0.075600956	8.0775168e-287	0	0.030589116
A2ADY9	Ddi2	Protein DDI1 homolog 2	353.19	24.56	44591	6	0.00455374	2.293560929	0.075600956	3.2421601e-286	0	0.030589116
Q8VDD5	Myh9	Myosin-9	7869.631	52.91	226372	116	0.0046121	1.444633645	0.075600956	1.2995132e-285	0	0.030589116
Q63486	Rrag	Ras-related GTP-binding protein A	115.7	6.71	36566	2	0.00462377	1.432738718	0.075600956	5.2013563e-285	0	0.030589116
Q91VX2	Ubap2	Ubiquitin-associated protein 2	204.92	5.57	117966	4	0.00466678	3.250231381	0.075600956	2.0789415e-284	0	0.030589116
Q8BY71	Hat1	Histone acetyltransferase type B catalytic subunit	346.34	15.62	49278	5	0.00468382	2.948676731	0.075600956	8.2977002e-284	0	0.030589116
Q3TXS7	Psmd1	26S proteasome non-ATPase regulatory subunit 1	1354.49	33.05	105730	23	0.00469633	1.480302501	0.075600956	3.3072199e-283	0	0.030589116
Q9CYG7	Tomm34	Mitochondrial import receptor subunit TOM34	300.82	26.54	34278	6	0.00479124	1.615412301	0.075600956	1.3163104e-282	0	0.030589116
Q60854	Serpinb6	Serpin B6	986.41	53.17	42599	15	0.00480689	1.660675316	0.075600956	5.2317083e-282	0	0.030589116
Q99MZ7	Pecr	Peroxisomal trans-2-enoyl-CoA reductase	118.11	7.92	32410	2	0.00485851	1.613726621	0.075600956	2.0764369e-281	0	0.030589116
P20171	Hras	GTPase HRas	171.62	20.11	21298	3	0.0048604	0.710101422	0.075600956	8.2297006e-281	0	0.030589116
Q99KP6	Prpf19	Pre-mRNA-processing factor 19	730.57	46.03	55239	15	0.00489168	1.193496656	0.075600956	3.2571627e-280	0	0.030589116
Q9JHJ0	Tmod3	Tropomodulin-3	319.1	29.26	39503	7	0.00491448	1.932427506	0.075600956	1.2873156e-279	0	0.030589116
P62259	Ywhae	14-3-3 protein epsilon	1078.54	63.92	29174	19	0.00495583	2.010238083	0.075600956	5.0806682e-279	0	0.030589116
O70145	Ncf2	Neutrophil cytosol factor 2	518.48	29.14	59485	11	0.00497782	1.84478308	0.075600956	2.0023819e-278	0	0.030589116
Q99JI4	Psmd6	26S proteasome non-ATPase regulatory subunit 6	490.5	28.79	45536	10	0.00501668	1.724035377	0.075600956	7.8806729e-278	0	0.030589116
P62317	Snrpd2	Small nuclear ribonucleoprotein Sm D2	359.22	52.54	13527	7	0.00504802	0.656273999	0.075600956	3.0972058e-277	0	0.030589116
Q9Z1D1	Eif3g	Eukaryotic translation initiation factor 3 subunit G	286.33	14.69	35638	5	0.00504867	1.73185838	0.075600956	1.2155343e-276	0	0.030589116
P17918	Pena	Proliferating cell nuclear antigen	1734.93	66.67	28785	22	0.00505533	1.455896989	0.075600956	4.7638148e-276	0	0.030589116
P31230	Aimp1	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1	401.65	45.16	33997	8	0.0050613	1.4865485	0.075600956	1.8643739e-275	0	0.030589116
P46664	Adss	Adenylosuccinate synthetase isozyme 2	769.26	35.31	50021	13	0.00507379	1.789608053	0.075600956	7.2862103e-275	0	0.030589116
Q64737	Gart	Trifunctional purine biosynthetic protein adenosine-3	1890.06	40.79	107503	29	0.00515051	1.799249498	0.075600956	2.8435508e-274	0	0.030589116
O35309	Nmi	N-myc-interactor	116.7	9.55	35236	2	0.00515331	1.981926593	0.075600956	1.1081816e-273	0	0.030589116
Q9JLV6	Pnkp	Bifunctional polynucleotide phosphatase/kinase	384.78	21.65	57223	6	0.0051578	1.872244598	0.075600956	4.3127229e-273	0	0.030589116
O70200	Aif1	Allograft inflammatory factor 1	147.18	11.56	16911	1	0.00515949	3.953518665	0.075600956	1.6760343e-272	0	0.030589116

Q9D8T2	Gsdmdc1	Gasdermin-D	125.87	7.19	53238	3	0.00520998	1.750831789	0.075600956	6.5043668e-272	0	0.030589116
Q9JLQ0	Cd2ap	CD2-associated protein	193.96	7.22	70450	4	0.00522584	1.698911944	0.075600956	2.5206815e-271	0	0.030589116
P17427	Ap2a2	AP-2 complex subunit alpha-2	568.12	15.46	104017	11	0.00525344	1.897214721	0.075600956	9.7548762e-271	0	0.030589116
P57776	Eef1d	Elongation factor 1-delta	1088.8	56.94	31293	16	0.00530318	1.740569744	0.075600956	3.7697839e-270	0	0.030589116
Q91VW3	Sh3bgrl3	SH3 domain-binding glutamic acid-rich-like protein 3	216.58	31.18	10477	4	0.00530673	1.776694253	0.075600956	1.454796e-269	0	0.030589116
P46467	Vps4b	Vacuolar protein sorting-associated protein 4B	376.17	22.07	49419	7	0.00530705	1.783948087	0.075600956	5.6063304e-269	0	0.030589116
A2VCX1	Tipr1	TIP41-like protein	102.7	10.7	31225	3	0.00532751	2.37288699	0.075600956	2.1574777e-268	0	0.030589116
P97814	Pstpip1	Proline-serine-threonine phosphatase-interacting protein 1	136.51	8.92	47590	2	0.00535192	2.571277801	0.075600956	8.2909633e-268	0	0.030589116
B2RRE7	Otud4	OTU domain-containing protein 4	91.01	2.08	123055	2	0.00537548	5.126799732	0.075600956	3.1816673e-267	0	0.030589116
O89053	Coro1a	Coronin-1A	1683.42	52.93	50989	27	0.00540547	1.245346174	0.075650098	1.2192581e-266	0	0.030609
P84083	Arf5	ADP-ribosylation factor 5	687.26	48.89	20530	9	0.0054682	1.760394192	0.075816912	4.6658173e-266	0	0.030676495
Q9D8N0	Eef1g	Elongation factor 1-gamma	1473.49	69.57	50061	24	0.00551659	1.513204513	0.075816912	1.7829986e-265	0	0.030676495
Q3MID3	Arfgap2	ADP-ribosylation factor GTPase-activating protein 2	226.48	11.92	56556	5	0.00555644	2.468174548	0.075816912	6.8040189e-265	0	0.030676495
Q6MGD0	Cuta	Protein CutA	41.44	7.91	18659	1	0.00558973	4.02884904	0.075816912	2.5928136e-264	0	0.030676495
Q617R3	Isoc1	Isochorismatase domain-containing protein 1	115.24	8.42	32002	2	0.00559431	2.160448297	0.075816912	9.8666195e-264	0	0.030676495
Q3TRM8	Hk3	Hexokinase-3	1098.27	25.49	100101	17	0.00559941	1.848582801	0.075816912	3.7493571e-263	0	0.030676495
Q8BKZ9	Pdhx	Pyruvate dehydrogenase protein X component, mitochondrial	104.79	3.39	53999	2	0.00560764	4.166178031	0.075816912	1.4227763e-262	0	0.030676495
Q6P5H2	Nes	Nestin	2852.46	35.3	207124	39	0.00564002	1.580068168	0.075816912	5.3914778e-262	0	0.030676495
Q99MD9	Nasp	Nuclear autoantigenic sperm protein	531.58	14.88	83954	7	0.00565787	1.862310238	0.075816912	2.0401893e-261	0	0.030676495
Q3UM18	Lsg1	Large subunit GTPase 1 homolog	43.9	2.17	73157	1	0.00573071	3.011161858	0.075816912	7.7094713e-261	0	0.030676495
O54984	Asna1	ATPase Asna1	230.76	14.08	38823	5	0.00573181	1.844745908	0.075816912	2.9091775e-260	0	0.030676495
P62774	Mtpn	Myotrophin	239.8	35.59	12861	3	0.00573606	2.364911775	0.075816912	1.0962443e-259	0	0.030676495
Q9ESS2	Inpp5d	Phosphatidylinositol 3,4,5-triphosphate 5-phosphatase 1	1091.19	24.43	133542	23	0.00580496	1.590119527	0.076097286	4.1251152e-259	0	0.030789938
P35738	Bckdhh	2-oxoisovalerate dehydrogenase subunit beta, mitochondrial	69.84	2.82	42823	1	0.00582005	4.267395059	0.076097286	1.5500881e-258	0	0.030789938
P0C0A2	Vps36	Vacuolar protein-sorting-associated protein 36	173.53	11.14	43718	4	0.00583723	1.882018533	0.076097286	5.816588e-258	0	0.030789938
Q9WU28	Pfdn5	Prefoldin subunit 5	104.86	14.29	17356	2	0.00588138	1.553477158	0.076324277	2.1795752e-257	0	0.030881781
Q99LE6	Abcf2	ATP-binding cassette sub-family F member 2	124.97	5.57	71782	3	0.00594491	2.656609225	0.076799659	8.1558101e-257	0	0.031074127
Q9R0P3	Esd	S-formylglutathione hydrolase	950.34	68.44	31320	14	0.00601052	1.391971596	0.0768069	3.0475725e-256	0	0.031077057
Q4KM73	Cmpk1	UMP-CMP kinase	380.87	47.45	22169	8	0.00602171	1.635676249	0.0768069	1.1371891e-255	0	0.031077057
Q1AAU6	Asap1	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1	158.6	5.42	127088	3	0.00602618	1.888644483	0.0768069	4.2374357e-255	0	0.031077057
Q9EPB4	Pycard	Apoptosis-associated speck-like protein containing a CARD	168.67	25.39	21459	3	0.00608977	2.296095695	0.076960515	1.576759e-254	0	0.031139212
E9PVA8	Gcn1	eIF-2-alpha kinase activator GCN1	214.6	2.47	293021	6	0.00609331	2.650327458	0.076960515	5.8589433e-254	4.9406565e-324	0.031139212
O88456	Capns1	Calpain small subunit 1	189.41	15.99	28463	3	0.00614198	1.276363711	0.076960515	2.1740279e-253	2.9643939e-323	0.031139212
Q6A0A2	Larp4b	La-related protein 4B	64.5	2.29	81627	1	0.00617027	5.674901646	0.076960515	8.0556903e-253	1.7292298e-322	0.031139212
Q5BJQ2	Mindy1	Ubiquitin carboxyl-terminal hydrolase MINDY-1	48	2.07	52729	1	0.00617302	2.11627285	0.076960515	2.9807962e-252	1.0474192e-321	0.031139212
Q99P31	Hspbp1	Hsp70-binding protein 1	459.18	32.21	39167	9	0.00626055	2.446992214	0.077712516	1.1014219e-251	6.3783875e-321	0.03144348
P62843	Rps15	40S ribosomal protein S15	323.18	39.31	17040	5	0.00631697	2.289703878	0.078073393	4.0641248e-251	3.8576646e-320	0.031589496
Q80TM9	Nisch	Nischarin	244.24	3.45	175012	4	0.00635717	2.200845109	0.078231558	1.4975188e-250	2.3196382e-319	0.031653492
P29351	Ptpn6	Tyrosine-protein phosphatase non-receptor type 6	1722.83	54.62	67559	30	0.00641511	1.229965748	0.078605724	5.5102272e-250	1.3892484e-318	0.031804884
Q9Z0H1	Wdr46	WD repeat-containing protein 46	425.78	22.19	69048	9	0.00647019	0.719912344	0.078652239	2.0246907e-249	8.2756638e-318	0.031823705
Q62261	Sptbn1	Spectrin beta chain, non-erythrocytic 1	49.45	0.38	274223	1	0.006474	3.083500281	0.078652239	7.4291626e-249	4.9045837e-317	0.031823705
Q5U2Z5	Cmtr1	Cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1	66.09	1.79	95619	2	0.00656304	3.138934336	0.0788112	2.7221562e-248	2.9030447e-316	0.031888022
P50516	Atp6v1a	V-type proton ATPase catalytic subunit A	1703.4	49.43	68326	26	0.00658536	1.426762814	0.0788112	9.9604339e-248	1.7053425e-315	0.031888022
Q8BP47	Nars	Asparagine--tRNA ligase, cytoplasmic	784.23	27.55	64279	15	0.00658537	1.585905564	0.0788112	3.6394479e-247	9.9915915e-315	0.031888022
Q80WS3	Fbll1	rRNA/tRNA 2'-O-methyltransferase fibrillar-like protein 1	157.08	11.46	33339	3	0.00662428	0.607542629	0.0788112	1.3279595e-246	5.848379e-314	0.031888022
P02798	Mt2	Metallothionein-2	66.51	19.67	6115	1	0.00662511	2.026552231	0.0788112	4.8386723e-246	3.4101872e-313	0.031888022

Q91YP3	Dera	Deoxyribose-phosphate aldolase	254.64	20.75	34975	5	0.00668626	1.879976199	0.078969743	1.7605959e-245	1.9864248e-312	0.031952171
Q8BMA6	Srp68	Signal recognition particle subunit SRP68	165.72	6.72	70574	3	0.00669376	1.466700781	0.078969743	6.3971315e-245	1.1508514e-311	0.031952171
P62702	Rps4x	40S ribosomal protein S4, X isoform	1362.98	65.78	29598	24	0.00672916	1.450766592	0.079060734	2.3211488e-244	6.6574795e-311	0.031988987
Q9CXY6	Ilf2	Interleukin enhancer-binding factor 2	529.81	37.18	43062	9	0.00675976	0.621517778	0.07909479	8.4103258e-244	3.8377336e-310	0.032002766
Q9CWX0	Dph5	Diphthine methyl ester synthase	74.21	8.19	31218	1	0.00681359	2.369195812	0.079290343	3.0430901e-243	2.2053096e-309	0.03208189
Q6P9P6	Kif11	Kinesin-like protein KIF11	112.39	3.99	118027	3	0.00686566	2.263323165	0.079290343	1.0995347e-242	1.2612071e-308	0.03208189
Q9CT10	Ranbp3	Ran-binding protein 3	374.52	16.9	52573	6	0.00686606	2.206150024	0.079290343	3.967302e-242	7.1794942e-308	0.03208189
P33174	Kif4	Chromosome-associated kinesin KIF4	101.93	2.11	139519	2	0.00688757	2.341186907	0.079290343	1.4294658e-241	4.0829076e-307	0.03208189
Q921I2	Klhdc4	Kelch domain-containing protein 4	38.72	2.57	64860	1	0.00692451	3.240211204	0.079395437	5.1433307e-241	2.3161827e-306	0.032124412
Q9JMW6	Arpc3	Actin-related protein 2/3 complex subunit 3	372.7	44.38	20525	7	0.00698978	1.428480969	0.079823322	1.8480228e-240	1.3093068e-305	0.03229754
Q9CQI6	Cot11	Coactosin-like protein	599.88	76.06	15944	12	0.00705879	1.673742932	0.079969993	6.6307467e-240	7.3610036e-305	0.032356885
P62075	Timm13	Mitochondrial import inner membrane translocase subunit Tim13	105.98	14.74	10458	1	0.0070811	4.866585746	0.079969993	2.3757993e-239	4.1150097e-304	0.032356885
Q0VGB7	PPP4r2	Serine/threonine-protein phosphatase 4 regulatory subunit 2	329.21	20.62	46479	6	0.00708666	1.547079082	0.079969993	8.5005947e-239	2.2947307e-303	0.032356885
O08638	Myh11	Myosin-11	590.56	5.48	227028	11	0.00713884	1.379180512	0.080101464	3.0372539e-238	1.2779461e-302	0.03241008
Q60591	Nfatc2	Nuclear factor of activated T-cells, cytoplasmic 2	230.88	9.39	100020	5	0.00715895	2.011202636	0.080101464	1.0836901e-237	7.0852073e-302	0.03241008
Q9CZ04	Cops7a	COP9 signalosome complex subunit 7a	282.99	19.64	30224	4	0.00718248	1.685608278	0.080101464	3.861192e-237	3.919153e-301	0.03241008
Q9CQE8	RTRAF	RNA transcription, translation and transport factor protein	48.88	12.3	28152	1	0.00723499	3.969283928	0.080106302	1.3738203e-236	2.1623938e-300	0.032412037
Q91V92	Acly	ATP-citrate synthase	1852.34	31.35	119728	28	0.0072692	1.663487297	0.080106302	4.8812463e-236	1.1878219e-299	0.032412037
Q6URW6	Myh14	Myosin-14	471.68	4.1	228586	9	0.00727889	1.378218392	0.080106302	1.7319039e-235	6.5039183e-299	0.032412037
Q3UBX0	Tmem109	Transmembrane protein 109	111.18	11.52	26306	2	0.00729514	6.908401959	0.080106302	6.1363357e-235	3.5555545e-298	0.032412037
P62278	Rps13	40S ribosomal protein S13	404.73	43.71	17222	8	0.00737892	2.038460654	0.080151123	2.1711344e-234	1.9398232e-297	0.032430172
O35643	Ap1b1	AP-1 complex subunit beta-1	1039.42	27.47	103935	18	0.00738988	1.573062883	0.080151123	7.6710812e-234	1.0515775e-296	0.032430172
Q9D2V7	Coro7	Coronin-7	438.61	16.49	100812	9	0.00739525	1.539269423	0.080151123	2.7065667e-233	5.6911387e-296	0.032430172
Q3UFY7	Nt5c3b	7-methylguanosine phosphate-specific 5'-nucleotidase	74.92	6.67	34425	2	0.00741152	2.358306064	0.080151123	9.536152e-233	3.0760399e-295	0.032430172
P14115	Rpl27a	60S ribosomal protein L27a	313.86	31.08	16605	5	0.00754182	1.424699159	0.081252492	3.3552113e-232	1.6592649e-294	0.0328758
Q9D4H8	Cul2	Cullin-2	49.27	1.74	86877	1	0.00757467	4.891115935	0.08129954	1.1788509e-231	8.8681315e-294	0.032894837
Q5SW19	Cluh	Clustered mitochondria protein homolog	186.59	3.88	148068	4	0.0076046	3.432640514	0.081315054	4.1360915e-231	4.7254294e-293	0.032901114
P80314	Cct2	T-complex protein 1 subunit beta	2029.75	64.3	57477	32	0.00773483	1.551934299	0.081850432	1.4491512e-230	2.5108847e-292	0.033117734
Q8BK64	Ahsa1	Activator of 90 kDa heat shock protein ATPase homolog 1	230.53	21.6	38117	6	0.00773516	1.881621764	0.081850432	5.0702518e-230	1.3222344e-291	0.033117734
Q9DBG6	Rpn2	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	875.04	29.32	69063	13	0.00775576	0.683550852	0.081850432	1.7714856e-229	6.9562127e-291	0.033117734
P97429	Anxa4	Annexin A4	1299.64	55.17	35916	18	0.00781038	0.734783679	0.081850432	6.1807051e-229	3.6515866e-290	0.033117734
P42225	Stat1	Signal transducer and activator of transcription 1	206.83	6.54	87197	3	0.0078638	3.404215028	0.081850432	2.1534296e-228	1.9087132e-289	0.033117734
Q5FVC2	Arhgef2	Rho guanine nucleotide exchange factor 2	452.36	11.37	111909	8	0.00788938	1.268108987	0.081850432	7.4923076e-228	9.9355759e-289	0.033117734
Q8K0C9	Gmcs	GDP-mannose 4,6 dehydratase	127.7	6.72	41985	2	0.00795831	3.704284365	0.081850432	2.6031116e-227	5.1590787e-288	0.033117734
Q91VI7	Rnh1	Ribonuclease inhibitor	2016.51	74.78	49816	24	0.00796054	1.882016435	0.081850432	9.0315487e-227	2.6653976e-287	0.033117734
Q8K124	Plekho2	Pleckstrin homology domain-containing family O member 2	133.36	9.29	53872	3	0.00797745	1.753500002	0.081850432	3.1291323e-226	1.3755867e-286	0.033117734
O70194	Eif3d	Eukaryotic translation initiation factor 3 subunit D	987.19	39.42	63989	16	0.00798843	1.808845684	0.081850432	1.0826246e-225	7.0855377e-286	0.033117734
P97311	Mcm6	DNA replication licensing factor MCM6	1179.58	31.06	92867	20	0.00801658	1.188515426	0.081850432	3.7404518e-225	3.6439207e-285	0.033117734
Q8R050	Gspt1	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A	416.34	21.7	68625	9	0.00801792	1.453585054	0.081850432	1.2905133e-224	1.8691243e-284	0.033117734
Q7TPR4	Actn1	Alpha-actinin-1	1152.69	26.46	103068	20	0.00802736	1.627300342	0.081850432	4.4462423e-224	9.5777885e-284	0.033117734
Q4V7A6	Phf10	PHD finger protein 10	39.26	2.41	55884	1	0.00814992	2.353776814	0.082804373	1.5297342e-223	4.9005304e-283	0.033503711
P50396	Gdi1	Rab GDP dissociation inhibitor alpha	467.39	18.79	50522	8	0.00824178	1.616221282	0.08332863	5.255706e-223	2.4872685e-282	0.033715833
P83732	Rpl24	60S ribosomal protein L24	525.09	37.58	17779	10	0.0082599	1.549158247	0.08332863	1.8031769e-222	1.2546213e-281	0.033715833
P43277	Hist1h1d	Histone H1.3	813.93	38.01	22100	13	0.00829423	0.506774997	0.083359388	6.1778561e-222	6.3161359e-281	0.033728277
O55023	Impa1	Inositol monophosphatase 1	402.31	24.91	30436	8	0.00832134	1.612557131	0.083359388	2.1136323e-221	3.1706021e-280	0.033728277
P97360	Etv6	Transcription factor ETV6	50.2	1.44	56406	1	0.00842292	2.423342425	0.083637623	7.2212642e-221	1.5876845e-279	0.033840855

Q3T1I4	Prrc1	Protein PRRC1	65.9	2.93	46295	1	0.00842624	2.839726999	0.083637623	2.4637078e-220	7.8980049e-279	0.033840855
Q61316	Hspa4	Heat shock 70 kDa protein 4	2312.93	56.84	94133	39	0.008437	1.550219884	0.083637623	8.3937744e-220	3.9245369e-278	0.033840855
P32921	Wars	Tryptophan--tRNA ligase, cytoplasmic	568.58	30.77	54358	10	0.00848322	2.008074519	0.083804846	2.8557325e-219	1.9471418e-277	0.033908515
P17220	Psma2	Proteasome subunit alpha type-2	707.3	41.45	25927	10	0.00855662	1.529568796	0.084032246	9.7021921e-219	9.6271023e-277	0.034000524
Q61183	Papola	Poly(A) polymerase alpha	94.89	2.84	82309	2	0.00856511	2.940383703	0.084032246	3.2916651e-218	4.7363665e-276	0.034000524
P35444	Comp	Cartilage oligomeric matrix protein	38.6	1.06	82664	1	0.00867321	3.216219202	0.084740033	1.1151951e-217	2.3269807e-275	0.034286904
P14131	Rps16	40S ribosomal protein S16	682.93	71.92	16445	14	0.00869661	1.33065254	0.084740033	3.7729362e-217	1.1355356e-274	0.034286904
P63036	Dnaj1	DnaJ homolog subfamily A member 1	276.26	19.9	44868	6	0.00879353	2.247284402	0.085392961	1.2746769e-216	5.5292237e-274	0.034551087
Q6P1B1	Xpnpep1	Xaa-Pro aminopeptidase 1	556.77	26.32	69591	11	0.00892801	1.531137051	0.085976222	4.3004392e-216	2.676016e-273	0.034787082
Q9CSU0	Rprd1b	Regulation of nuclear pre-mRNA domain-containing protein 1B	189.71	16.56	36884	4	0.00893427	1.57861466	0.085976222	1.4488304e-215	1.2848468e-272	0.034787082
Q642C0	Dnajc8	DnaJ homolog subfamily C member 8	79.54	15.81	29813	2	0.00900451	6.013343724	0.085976222	4.8743225e-215	6.161381e-272	0.034787082
Q9D8E6	Rpl4	60S ribosomal protein L4	1231.25	43.44	47154	19	0.00902844	1.296816251	0.085976222	1.6375817e-214	2.9412423e-271	0.034787082
Q80X50	Ubap2l	Ubiquitin-associated protein 2-like	395.32	10.03	116799	6	0.00906395	1.975278992	0.085976222	5.4939365e-214	1.401054e-270	0.034787082
P62908	Rps3	40S ribosomal protein S3	1407.47	75.72	26674	25	0.00916213	1.62840332	0.085976222	1.8405866e-213	6.6557093e-270	0.034787082
Q6GX84	Fignl1	Fidgetin-like protein 1	90.19	2.81	74197	2	0.00916245	1.741241589	0.085976222	6.1577323e-213	3.1432011e-269	0.034787082
P26516	Psmc7	26S proteasome non-ATPase regulatory subunit 7	496.05	27.1	36540	8	0.00916668	1.585138684	0.085976222	2.0572035e-212	1.483034e-268	0.034787082
P21670	Psma4	Proteasome subunit alpha type-4	704.89	65.13	29498	14	0.00921387	1.547374839	0.085976222	6.8631832e-212	6.9894312e-268	0.034787082
P70188	Kifap3	Kinesin-associated protein 3	42.04	2.52	91291	1	0.00922201	7.624738672	0.085976222	2.2864715e-211	3.2832995e-267	0.034787082
Q91YQ5	Rpn1	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	1542.48	52.96	68528	26	0.00922413	0.76775143	0.085976222	7.6067269e-211	1.5403123e-266	0.034787082
Q5U2Q7	Etf1	Eukaryotic peptide chain release factor subunit 1	304.23	22.43	49031	6	0.00924098	1.522296357	0.085976222	2.5270956e-210	7.2188341e-266	0.034787082
O08739	Ampd3	AMP deaminase 3	42.12	0.91	88652	1	0.00925168	2.930812699	0.085976222	8.3837307e-210	3.3772639e-265	0.034787082
Q3TX08	Trmt1	tRNA (guanine(26)-N(2))-dimethyltransferase	123.71	6.49	72350	2	0.00931073	2.19562155	0.085976222	2.7774403e-209	1.5777419e-264	0.034787082
Q5M823	Nudcd2	NudC domain-containing protein 2	356.7	43.95	17674	6	0.00934993	1.705211781	0.085976222	9.1884846e-209	7.3424025e-264	0.034787082
O88545	Cops6	COP9 signalosome complex subunit 6	168.65	8.33	35880	4	0.00935559	2.180480933	0.085976222	3.0355316e-208	3.4072621e-263	0.034787082
P15864	Hist1h1c	Histone H1.2	908.99	43.4	21267	14	0.00936554	0.521168101	0.085976222	1.0014225e-207	1.5792733e-262	0.034787082
P97372	Psme2	Proteasome activator complex subunit 2	410.75	39.33	27057	6	0.00939843	1.642349226	0.086001681	3.2990702e-207	7.3097303e-262	0.034797383
Q9WVA3	Bub3	Mitotic checkpoint protein BUB3	519.29	29.45	36955	9	0.00950476	1.249810604	0.086696756	1.0853191e-206	3.3748132e-261	0.035078619
Q9ERF3	Wdr61	WD repeat-containing protein 61	97.8	12.46	33773	2	0.00960496	2.096123878	0.086849911	3.5654546e-206	1.5486708e-260	0.035140588
P67984	Rpl22	60S ribosomal protein L22	333.52	39.84	14759	5	0.00964722	1.675056908	0.086849911	1.1696717e-205	7.06619e-260	0.035140588
Q9R1Q6	Tmem176b	Transmembrane protein 176B	48.2	5.7	28367	1	0.00967174	3.852785091	0.086849911	3.8318154e-205	3.2147372e-259	0.035140588
Q4QQT6	Brix1	Ribosome biogenesis protein BRX1 homolog	199.78	13.07	41115	5	0.00974651	0.651114948	0.086849911	1.2535357e-204	1.4595167e-258	0.035140588
Q6P8X1	Snx6	Sorting nexin-6	187.77	15.02	46649	4	0.00984359	2.212881454	0.086849911	4.0950606e-204	6.597051e-258	0.035140588
Q62192	Cd180	CD180 antigen	200.21	6.96	74302	3	0.00985371	2.540436445	0.086849911	1.3359045e-203	2.9657259e-257	0.035140588
P05132	Prkaca	cAMP-dependent protein kinase catalytic subunit alpha	277.34	16.24	40571	5	0.00994378	1.862775392	0.086849911	4.3519304e-203	1.3314335e-256	0.035140588
Q3UIA2	Arhgap17	Rho GTPase-activating protein 17	126.71	2.6	92202	2	0.00996226	1.396140403	0.086849911	1.4157281e-202	5.9472112e-256	0.035140588
Q6ZQ08	Cnot1	CCR4-NOT transcription complex subunit 1	124.51	1.22	266808	3	0.00996849	2.249877673	0.086849911	4.5990607e-202	2.651865e-255	0.035140588
Q68FL6	Mars	Methionine--tRNA ligase, cytoplasmic	821.32	21.4	101431	14	0.00998413	1.925223045	0.086849911	1.4919345e-201	1.1810756e-254	0.035140588
O70551	Srpk1	SRSF protein kinase 1	288.67	11.27	73088	5	0.00998488	1.563905204	0.086849911	4.8330541e-201	5.2517569e-254	0.035140588
Q9CVB6	Arpc2	Actin-related protein 2/3 complex subunit 2	913.72	46.33	34357	15	0.01002415	1.54101254	0.086849911	1.563453e-200	2.3330684e-253	0.035140588
Q9CPN8	Igf2bp3	Insulin-like growth factor 2 mRNA-binding protein 3	718.01	25.04	63575	12	0.01005202	1.494116234	0.086849911	5.0505565e-200	1.0336755e-252	0.035140588
Q4QQR9	Memo1	Protein MEMO1	49.26	4.71	33679	1	0.01007878	2.767981909	0.086849911	1.6292391e-199	4.5698541e-252	0.035140588
P68101	Eif2s1	Eukaryotic translation initiation factor 2 subunit 1	875.77	56.19	36108	15	0.01011524	1.501349032	0.086849911	5.2483355e-199	2.0160691e-251	0.035140588
Q9JM14	Nt5c	5'(3')-deoxyribonucleotidase, cytosolic type	235.2	20	23076	4	0.01017117	1.57538854	0.086849911	1.6882994e-198	8.8716813e-251	0.035140588
Q9WVQ5	Apip	Methylthioribulose-1-phosphate dehydratase	149.19	15.35	26949	3	0.01017985	2.793871005	0.086849911	5.4233598e-198	3.8907125e-250	0.035140588
Q9ESL4	Map3k20	Mitogen-activated protein kinase kinase kinase 20	49.37	1.37	91720	1	0.01020082	2.240271104	0.086849911	1.7397162e-197	1.7040985e-249	0.035140588
Q07813	Bax	Apoptosis regulator BAX	354.61	40.62	21395	5	0.01021255	1.475022101	0.086849911	5.5728765e-197	7.4501481e-249	0.035140588
Q6P9R2	Oxsr1	Serine/threonine-protein kinase OSR1	41.43	1.52	58214	1	0.01021707	2.338087595	0.086849911	1.7826718e-196	3.2525085e-248	0.035140588
Q64674	Srm	Spermidine synthase	395.57	28.48	33995	7	0.01023651	1.796408706	0.086849911	5.6944829e-196	1.4183834e-247	0.035140588
Q62448	Eif4g2	Eukaryotic translation initiation factor 4 gamma 2	512.45	14.68	102106	10	0.01028153	1.929547837	0.086849911	1.8164694e-195	6.1745222e-247	0.035140588
Q9CXW3	Cacybp	Calcyclin-binding protein	332.08	27.07	26510	6	0.010286	2.021613597	0.086849911	5.7861903e-195	2.6801517e-246	0.035140588

O09061	Psmbl	Proteasome subunit beta type-1	902.13	54.17	26372	13	0.01028911	1.305143385	0.086849911	1.8405523e-194	1.1620855e-245	0.035140588
Q3VIL4	Nt5c2	Cytosolic purine 5'-nucleotidase	252.59	10.18	64809	5	0.01030758	2.384178806	0.086849911	5.8464784e-194	5.0334354e-245	0.035140588
P97855	G3bp1	Ras GTPase-activating protein-binding protein 1	810.68	40.22	51829	15	0.01031248	1.724583854	0.086849911	1.8545189e-193	2.1764363e-244	0.035140588
Q9D8W5	Psm12	26S proteasome non-ATPase regulatory subunit 12	660.49	26.75	52895	12	0.01051386	1.653608991	0.088285489	5.8743371e-193	9.4002667e-244	0.035721441
Q5XI72	Eif4h	Eukaryotic translation initiation factor 4H	300.69	21.37	27324	5	0.01055014	1.441498867	0.088330352	1.8581343e-192	4.0212137e-243	0.035739593
Q9QXK3	Copg2	Coatmer subunit gamma-2	486.4	11.14	97681	8	0.01058971	1.569070552	0.088378799	5.8692945e-192	1.7159731e-242	0.035759196
Q62348	Tsn	Translin	380.23	31.14	26201	7	0.01062554	1.783048688	0.088378799	1.8513361e-191	7.3036899e-242	0.035759196
Q8R5H1	Usp15	Ubiquitin carboxyl-terminal hydrolase 15	176.33	5.71	112325	4	0.01067368	2.392315588	0.088378799	5.8314306e-191	3.1011648e-241	0.035759196
P47860	Pfkp	ATP-dependent 6-phosphofructokinase, platelet type	723.76	13.58	85720	9	0.0107005	1.542138429	0.088378799	1.8342368e-190	1.3129121e-240	0.035759196
Q8R016	Blmh	Bleomycin hydrolase	445.03	25.71	52511	9	0.01072846	2.29179313	0.088378799	5.7613746e-190	5.5471212e-240	0.035759196
P11440	Cdk1	Cyclin-dependent kinase 1	541.72	49.49	34107	12	0.01074166	2.15261071	0.088378799	1.8071208e-189	2.3388455e-239	0.035759196
P03995	Gfap	Glial fibrillary acidic protein	164.37	6.05	49900	3	0.01084924	1.657451952	0.089007432	5.6602882e-189	9.8470434e-239	0.036013548
Q9D0F9	Pgm1	Phosphoglucomutase-1	431.85	17.08	61418	7	0.01089535	1.72682847	0.089129611	1.7704358e-188	4.1236504e-238	0.036062984
Q63945	Set	Protein SET	508.91	37.72	33406	9	0.01094154	1.593779196	0.089251725	5.5298329e-188	1.7220468e-237	0.036112393
A2AGT5	Ckap5	Cytoskeleton-associated protein 5	457.24	5.81	225635	8	0.01101292	1.862634482	0.089578023	1.7247812e-187	7.1713047e-237	0.036244417
Q9DBL7	Coasy	Bifunctional coenzyme A synthase	248.51	14.03	62023	5	0.01107071	1.717738715	0.089792303	5.3721249e-187	2.9751008e-236	0.036331117
Q99KK7	Dpp3	Dipeptidyl peptidase 3	655.5	29.67	82898	12	0.01111488	1.802450696	0.089895167	1.6708916e-186	1.2302777e-235	0.036372737
P57780	Actn4	Alpha-actinin-4	1551.8	35.31	104977	25	0.01118874	1.605340687	0.090169088	5.1896782e-186	5.073954e-235	0.036483569
P61759	Vbp1	Prefoldin subunit 3	245.47	32.14	22436	5	0.01121192	3.137345959	0.090169088	1.609617e-185	2.0845937e-234	0.036483569
O35593	Psm14	26S proteasome non-ATPase regulatory subunit 14	324.09	27.1	34577	6	0.0112923	2.206318717	0.090522581	4.9853376e-185	8.5489033e-234	0.036626597
Q9DAA6	Exosc1	Exosome complex component CSL4	37.13	5.64	21424	1	0.01133414	2.817102252	0.090522581	1.5419008e-184	3.4916669e-233	0.036626597
P62329	Tmsb4x	Thymosin beta-4	241.93	68.18	5053	4	0.01135099	1.637573218	0.090522581	4.7622051e-184	1.4225126e-232	0.036626597
O35626	Rasd1	Dexamethasone-induced Ras-related protein 1	38.44	2.5	31684	1	0.01145799	2.815273321	0.09112133	1.4687555e-183	5.7863935e-232	0.036868859
Q64378	Fkbp5	Peptidyl-prolyl cis-trans isomerase FKBP5	520.51	25.44	50966	10	0.01150721	1.501077689	0.091258563	4.5235623e-183	2.341884e-231	0.036924385
Q8BGR9	Ublcp1	Ubiquitin-like domain-containing CTD phosphatase 1	96.65	6.6	36837	2	0.01156591	2.866447909	0.091470032	1.3912375e-182	9.4517753e-231	0.037009948
Q9QZE7	Tsnax	Translin-associated protein X	278.92	21.03	32926	5	0.01164503	2.273382889	0.091605462	4.2727901e-182	3.8027564e-230	0.037064745
P97823	Lypl1	Acyl-protein thioesterase 1	243.92	26.52	24688	4	0.01169479	2.054726799	0.091605462	1.3104225e-181	1.5240153e-229	0.037064745
Q8VEE4	Rpa1	Replication protein A 70 kDa DNA-binding subunit	669.48	23.76	69037	13	0.01169795	1.264874467	0.091605462	4.0132904e-181	6.0908645e-229	0.037064745
Q5U317	Fip11	Pre-mRNA 3'-end-processing factor FIP1	292.11	14.55	60188	5	0.01171138	0.634148817	0.091605462	1.2273805e-180	2.431842e-228	0.037064745
Q8CIG8	Prmt5	Protein arginine N-methyltransferase 5	73.3	2.04	72680	1	0.01185884	3.938578137	0.091757671	3.748411e-180	9.6959317e-228	0.037126331
P41542	Uso1	General vesicular transport factor p115	208.86	6.26	107162	5	0.011886	2.95517781	0.091757671	1.1431533e-179	3.8411457e-227	0.037126331
Q4KM65	Nudt21	Cleavage and polyadenylation specificity factor subunit 5	384.5	36.12	26240	7	0.011891	1.312374541	0.091757671	3.481376e-179	1.5188456e-226	0.037126331
Q9JJU8	Sh3bgrl	SH3 domain-binding glutamic acid-rich-like protein	362.73	70.18	12811	6	0.01193199	1.597588254	0.091757671	1.0587333e-178	5.9993724e-226	0.037126331
Q3ZAV8	Edc4	Enhancer of mRNA-decapping protein 4	254.96	5.12	152596	4	0.01198324	2.365578003	0.091757671	3.2152244e-178	2.3640588e-225	0.037126331
Q9WTM5	Ruvb12	RuvB-like 2	874.24	33.26	51113	15	0.01198862	1.194342529	0.091757671	9.7504588e-178	9.2898825e-225	0.037126331
Q9R1P4	Psm1	Proteasome subunit alpha type-1	707.76	64.64	29547	15	0.01199302	1.708186353	0.091757671	2.9527575e-177	3.646665e-224	0.037126331
P85972	Vcl	Vinculin	822.95	16.79	116615	16	0.01199627	1.974844077	0.091757671	8.9293412e-177	1.4299807e-223	0.037126331
O89023	Tpp1	Tripeptidyl-peptidase 1	296.49	13.7	61342	5	0.01202099	1.5266068	0.091757671	2.6964967e-176	5.6018385e-223	0.037126331
Q68FD5	Cltc	Clathrin heavy chain 1	4125.47	48.42	191557	66	0.01207601	1.334471014	0.091757671	8.1314718e-176	2.1905623e-222	0.037126331
Q8C0M9	Asrg11	Isoaspartyl peptidase/L-asparaginase	169.81	11.04	33950	3	0.01209901	2.237811035	0.091757671	2.4486524e-175	8.5413628e-222	0.037126331
Q8BFY9	Tnpo1	Transportin-1	422.59	8.91	102357	8	0.01215523	2.141972895	0.091757671	7.3633214e-175	3.3247087e-221	0.037126331
Q62465	Vat1	Synaptic vesicle membrane protein VAT-1 homolog	696.42	37.19	43097	12	0.01216195	1.65079689	0.091757671	2.211103e-174	1.2903718e-220	0.037126331
Q9D172	Gatd3a	Glutamine amidotransferase-like class 1 domain-containing protein 3A, mitochondrial	59.06	9.4	28090	2	0.01218079	2.570187868	0.091757671	6.6302925e-174	5.002514e-220	0.037126331
O70593	Sgta	Small glutamine-rich tetratricopeptide repeat-containing protein alpha	316.14	23.89	34157	6	0.01224964	1.779851008	0.091808029	1.9853855e-173	1.9363513e-219	0.037146706
P97369	Ncf4	Neutrophil cytosol factor 4	670.34	50.74	38707	12	0.01227834	1.241051812	0.091808029	5.9367041e-173	7.470096e-219	0.037146706
Q8R180	Ero1a	ERO1-like protein alpha	441.46	17.89	54084	8	0.01229108	2.394539632	0.091808029	1.772696e-172	2.8763455e-218	0.037146706
Q922D8	Mthfd1	C-1-tetrahydrofolate synthase, cytoplasmic	1267.38	30.05	101200	25	0.01233698	1.611785678	0.091808029	5.2858078e-172	1.1060527e-217	0.037146706
Q9R0N0	Galk1	Galactokinase	443.6	24.49	42295	9	0.01236571	2.012931414	0.091808029	1.5738982e-171	4.2424869e-217	0.037146706
O70469	Dok2	Docking protein 2	161.91	9.22	45522	3	0.01238042	2.768288342	0.091808029	4.6798293e-171	1.6242056e-216	0.037146706
P97379	G3bp2	Ras GTPase-activating protein-binding protein 2	349.52	11.83	54088	5	0.01244465	1.873710079	0.092045271	1.3895412e-170	6.2094423e-216	0.037242697

Q11011	Npepps	Puromycin-sensitive aminopeptidase	553.2	11.3	103325	10	0.01258513	1.749980169	0.092285329	4.1200338e-170	2.3664737e-215	0.037339828
Q8BFR5	Tufm	Elongation factor Tu, mitochondrial	851.21	41.81	49508	15	0.01260241	1.230423031	0.092285329	1.2198826e-169	8.9670035e-215	0.037339828
P27870	Vav1	Proto-oncogene vav	383.45	11.12	98137	8	0.01266437	1.555961195	0.092285329	3.6068085e-169	3.3927542e-214	0.037339828
Q8CIE6	Copa	Coatomer subunit alpha	1255.51	23.2	138432	23	0.01269316	1.465844437	0.092285329	1.0649173e-168	1.2798251e-213	0.037339828
D3ZBE5	Nek7	Serine/threonine-protein kinase Nek7	60.98	7.95	34529	2	0.01269672	2.216304485	0.092285329	3.1397593e-168	4.8188052e-213	0.037339828
Q3THS6	Mat2a	S-adenosylmethionine synthase isoform type-2	561.82	31.9	43689	12	0.01270424	1.940513197	0.092285329	9.2440952e-168	1.8125631e-212	0.037339828
Q32PX2	Aimp2	Aminoacyl tRNA synthase complex-interacting multifunctional protein 2	201.97	16.88	35443	4	0.01271971	1.605620431	0.092285329	2.7178155e-167	6.8100881e-212	0.037339828
P53811	Pitpnb	Phosphatidylinositol transfer protein beta isoform	221.46	27.68	31487	6	0.01276518	1.971403754	0.092285329	7.9792668e-167	2.5550529e-211	0.037339828
O54988	Slk	STE20-like serine/threonine-protein kinase	481.02	11.03	141457	9	0.01276802	1.724881252	0.092285329	2.3393401e-166	9.5629725e-211	0.037339828
O88685	Psmc3	26S proteasome regulatory subunit 6A	957.78	43.89	49549	17	0.01287581	1.390835914	0.092829409	6.8487453e-166	3.5756909e-210	0.037559969
Q61699	Hsph1	Heat shock protein 105 kDa	570.99	15.27	96407	10	0.01292059	2.120316466	0.092917603	2.0022388e-165	1.3309634e-209	0.037595654
P63323	Rps12	40S ribosomal protein S12	632.64	62.88	14525	10	0.01296183	1.655544558	0.092979938	5.8453143e-165	4.9424071e-209	0.037620875
Q6PDPV7	Rpl10	60S ribosomal protein L10	531.95	41.12	24604	10	0.01305406	1.312267926	0.093356625	1.7040679e-164	1.8311808e-208	0.037773288
Q9WUA3	Pfkp	ATP-dependent 6-phosphofructokinase, platelet type	1615	44.9	85455	23	0.01307974	1.59650442	0.093356625	4.9608137e-164	6.7579435e-208	0.037773288
Q9CQQ8	Lsm7	U6 snRNA-associated Sm-like protein LSm7	97.25	15.53	11636	2	0.01316136	1.279068842	0.093366749	1.4421347e-163	2.4897088e-207	0.037773384
P98078	Dab2	Disabled homolog 2	1050.78	29.63	82312	15	0.0131615	1.620524025	0.093366749	4.1864462e-163	9.1398366e-207	0.037773384
P25113	Pgam1	Phosphoglycerate mutase 1	1504.19	77.17	28832	22	0.01317926	1.57999024	0.093366749	1.2135899e-162	3.352315e-206	0.037773384
Q62189	Snrpa	U1 small nuclear ribonucleoprotein A	361.1	31.01	31835	8	0.01333266	0.811117624	0.093848351	3.5130556e-162	1.2277708e-205	0.037972246
Q9JHU9	Isyna1	Inositol-3-phosphate synthase 1	818.03	29.62	60932	14	0.01336193	1.675489287	0.093848351	1.0155111e-161	4.4704502e-205	0.037972246
O08618	Prpsap2	Phosphoribosyl pyrophosphate synthase-associated protein 2	179.36	11.92	40867	3	0.01336708	1.794322967	0.093848351	2.931371e-161	1.624787e-204	0.037972246
Q64701	Rb11	Retinoblastoma-like protein 1	57.19	0.85	119456	1	0.01337873	2.888143686	0.093848351	8.4497389e-161	5.8991479e-204	0.037972246
Q91YT0	Ndufv1	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	609.27	31.47	50834	9	0.01355862	0.755408764	0.094635108	2.4322158e-160	2.1391371e-203	0.038290578
P29452	Casp1	Caspase-1	368.14	20.4	45640	7	0.0135596	1.73820356	0.094635108	6.9911263e-160	7.7059409e-203	0.038290578
Q68FL4	Ahcy12	Putative adenosylhomocysteinase 3	238.46	7.01	66899	5	0.01365973	2.762220773	0.094635108	2.006681e-159	2.7734487e-202	0.038290578
Q80UM3	Naa15	N-alpha-acetyltransferase 15, NatA auxiliary subunit	438.56	14.1	100961	9	0.01366705	2.038778329	0.094635108	5.7516912e-159	9.9419302e-202	0.038290578
O35381	Anp32a	Acidic leucine-rich nuclear phosphoprotein 32 family member A	353.18	21.86	28538	6	0.01368392	1.845435835	0.094635108	1.6462612e-158	3.5599444e-201	0.038290578
P24547	Impdh2	Inosine-5'-monophosphate dehydrogenase 2	1327.83	39.49	55815	21	0.01368977	1.77809452	0.094635108	4.7053055e-158	1.2729396e-200	0.038290578
P08030	Aprt	Adenine phosphoribosyltransferase	923.16	78.89	19724	14	0.01384766	1.688244546	0.095335018	1.3429588e-157	4.5468771e-200	0.038573771
Q9EQK5	Mvp	Major vault protein	1635.94	43.32	95924	27	0.0138578	1.269221284	0.095335018	3.8275709e-157	1.6147997e-199	0.038573771
Q8K1J6	Trmt1	CCA tRNA nucleotidyltransferase 1, mitochondrial	112.86	6.45	49895	3	0.01389233	3.060591958	0.095342812	1.0893549e-156	5.7280991e-199	0.038576925
P60892	Prps1	Ribose-phosphate pyrophosphokinase 1	692	38.99	34834	14	0.01395034	1.557393981	0.095511309	3.096001e-156	2.0279824e-198	0.038645101
D2XV59	Gtbp1	GTP-binding protein 1	230.46	10.01	72489	5	0.01405486	2.186258029	0.095750572	8.7865463e-156	7.1609472e-198	0.03874191
O35344	Kpna3	Importin subunit alpha-4	219.47	9.21	57773	3	0.01405618	1.569498036	0.095750572	2.4901221e-155	2.5183897e-197	0.03874191
Q8R5A3	Apbb1ip	Amyloid beta A4 precursor protein-binding family B member 1-interacting protein	68.3	5.07	74319	2	0.01409451	4.370194673	0.095750572	7.0470661e-155	8.8487196e-197	0.03874191
Q8CI51	Pdlim5	PDZ and LIM domain protein 5	341.34	16.24	63299	7	0.01411944	1.940057445	0.095750572	1.991504e-154	3.1028349e-196	0.03874191
P63242	Eif5a	Eukaryotic translation initiation factor 5A-1	901.79	69.48	16832	14	0.01420672	1.604149053	0.095851823	5.6200359e-154	1.0862596e-195	0.038782877
Q91Y10	Asl	Argininosuccinate lyase	446.52	23.28	51739	9	0.01421357	2.57123115	0.095851823	1.5837329e-153	3.7896412e-195	0.038782877
Q8CHP8	Pgp	Glycerol-3-phosphate phosphatase	436.34	35.2	34541	8	0.01425761	2.144268351	0.095851823	4.4566619e-153	1.3206755e-194	0.038782877
Q99M31	Hspa14	Heat shock 70 kDa protein 14	198.91	10.81	54650	4	0.01426866	2.040493303	0.095851823	1.2523398e-152	4.5924901e-194	0.038782877
Q9CS42	Prps2	Ribose-phosphate pyrophosphokinase 2	700.74	38.05	34786	13	0.01434551	1.590754533	0.096141871	3.5141425e-152	1.5950694e-193	0.038900234
P70698	Ctps1	CTP synthase 1	300.54	13.54	66682	6	0.014408	1.852979669	0.096334544	9.8469365e-152	5.5226615e-193	0.038978192
Q91WU5	As3mt	Arsenite methyltransferase	146.66	13.3	41794	3	0.0145237	2.263371546	0.096654236	2.7552905e-151	1.9069692e-192	0.039107543
Q80UG5	Sept9	Septin-9	280.17	15.09	65575	6	0.01458151	1.70328967	0.096654236	7.6987111e-151	6.5569121e-192	0.039107543
Q9DCH4	Eif3f	Eukaryotic translation initiation factor 3 subunit F	516.21	24.93	37984	8	0.0145969	1.477170618	0.096654236	2.1480923e-150	2.2488107e-191	0.039107543
P84078	Arf1	ADP-ribosylation factor 1	972.12	64.64	20697	14	0.01462617	1.586575817	0.096654236	5.9851089e-150	7.7026017e-191	0.039107543
O08539	Bin1	Myc box-dependent-interacting protein 1	257.22	14.12	64470	5	0.01467834	1.434624411	0.096654236	1.6652339e-149	2.6337805e-190	0.039107543
Q8K2H2	Otud6b	Deubiquitinase OTUD6B	56.43	4.42	33758	1	0.01468648	1.646716623	0.096654236	4.6266052e-149	8.9845383e-190	0.039107543
Q9JHS3	Lamtor2	Ragulator complex protein LAMTOR2	72.28	8.8	13480	1	0.01471845	2.850891993	0.096654236	1.2836113e-148	3.0614958e-189	0.039107543

Q9Z1F9	Uba2	SUMO-activating enzyme subunit 2	895.4	44.83	70569	16	0.01479177	1.85577346	0.096654236	3.556218e-148	1.0413532e-188	0.039107543
O08807	Prdx4	Peroxiredoxin-4	450.91	46.72	31053	10	0.01479374	3.013614596	0.096654236	9.8384553e-148	3.5316816e-188	0.039107543
Q8VE47	Uba5	Ubiquitin-like modifier-activating enzyme 5	172.25	12.16	44790	3	0.01487708	3.093350543	0.096654236	2.7179974e-147	1.1966384e-187	0.039107543
Q6PA06	Atl2	Atlastin-2	214.69	10.29	66224	5	0.01491615	2.648799697	0.096654236	7.4981589e-147	4.0415403e-187	0.039107543
Q8C0C7	Farsa	Phenylalanine--tRNA ligase alpha subunit	426.86	15.94	57599	9	0.01493252	1.7222437	0.096654236	2.0655876e-146	1.3623156e-186	0.039107543
Q8K1R7	Nek9	Serine/threonine-protein kinase Nek9	179.81	5.39	107143	4	0.01496115	2.049770643	0.096654236	5.6821913e-146	4.585977e-186	0.039107543
Q9DBG5	Plin3	Perilipin-3	847.34	42.79	47262	13	0.01497033	1.591105056	0.096654236	1.5608863e-145	1.5412068e-185	0.039107543
Q5DU25	Iqsec2	IQ motif and SEC7 domain-containing protein 2	50.7	0.54	161787	1	0.01499547	2.714401805	0.096654236	4.2816357e-145	5.173687e-185	0.039107543
Q8BQM4	Heatr3	HEAT repeat-containing protein 3	196.51	7.22	74305	4	0.0150015	2.420776335	0.096654236	1.1728194e-144	1.7340299e-184	0.039107543
P62869	Elob	Elongin-B	518.34	66.95	13170	10	0.01505218	1.989303191	0.096654236	3.2080075e-144	5.8057767e-184	0.039107543
Q9R1T2	Sae1	SUMO-activating enzyme subunit 1	772	46.57	38620	14	0.01508876	1.790450819	0.096654236	8.7623856e-144	1.9394347e-183	0.039107543
Q5PPI1	Srsf9	Serine/arginine-rich splicing factor 9	71.68	8.6	25498	2	0.01509905	0.574515921	0.096654236	2.3899674e-143	6.466539e-183	0.039107543
Q99J77	Nans	Sialic acid synthase	490.18	37.05	40024	9	0.01523056	2.097083386	0.09727798	6.509447e-143	2.1535994e-182	0.039359918
Q5BJX0	Ntmt1	N-terminal Xaa-Pro-Lys N-methyltransferase 1	54.32	3.14	25464	1	0.01528418	2.347001052	0.097283936	1.7704295e-142	7.1403059e-182	0.039362328
Q922B2	Dars	Aspartate--tRNA ligase, cytoplasmic	1347.24	53.09	57147	25	0.01535837	1.568211678	0.097283936	4.8083432e-142	2.3618775e-181	0.039362328
Q78PY7	Snd1	Staphylococcal nuclease domain-containing protein 1	2541.63	56.15	102088	42	0.01536156	1.395057512	0.097283936	1.3040507e-141	7.7902029e-181	0.039362328
P21300	Akr1b7	Aldose reductase-related protein 1	337.12	13.92	35988	7	0.0153678	1.300217277	0.097283936	3.5316329e-141	2.5669863e-180	0.039362328
P05201	Got1	Aspartate aminotransferase, cytoplasmic	924.57	44.79	46248	16	0.01548456	1.572144793	0.097529059	9.5507748e-141	8.4497807e-180	0.039461508
P50518	Atp6v1e1	V-type proton ATPase subunit E 1	463.81	41.59	26157	8	0.01548741	1.258137771	0.097529059	2.5791909e-140	2.7703277e-179	0.039461508
Q8BPX9	Slc15a3	Solute carrier family 15 member 3	360.59	14.36	64051	7	0.01552365	1.469393289	0.097529059	6.955208e-140	9.0741153e-179	0.039461508
Q91WQ3	Yars	Tyrosine--tRNA ligase, cytoplasmic	429.69	22.92	59105	10	0.01554316	1.682643346	0.097529059	1.8729163e-139	2.9667379e-178	0.039461508
P49138	Mapkapk2	MAP kinase-activated protein kinase 2	166.15	10.88	44050	4	0.0157038	1.737699981	0.097801198	5.0362597e-139	9.6861028e-178	0.039571619
Q8VBT6	Apobr	Apolipoprotein B receptor	546.98	14.65	102705	12	0.01571384	1.622287044	0.097801198	1.3523193e-138	3.1463218e-177	0.039571619
Q8C052	Map1s	Microtubule-associated protein 1S	144.55	3.8	102939	3	0.01572284	2.093003653	0.097801198	3.6260322e-138	1.0208556e-176	0.039571619
Q4KLF8	Arpc5	Actin-related protein 2/3 complex subunit 5	252.9	16.56	16320	3	0.01572356	1.29619099	0.097801198	9.7087925e-138	3.3085961e-176	0.039571619
Q91XU1	Qki	Protein quaking	278.1	23.17	37643	5	0.01583223	1.438488108	0.098233359	2.5958514e-137	1.0713579e-175	0.039746477
P61965	Wdr5	WD repeat-containing protein 5	83.17	4.19	36588	1	0.01586185	2.711177705	0.098233359	6.9306719e-137	3.4563624e-175	0.039746477
Q80YW0	Cyth4	Cytohesin-4	46.49	2.54	45285	1	0.01592088	2.583297996	0.098385516	1.8477859e-136	1.1132475e-174	0.039808042
Q8C0L6	Paox	Peroxisomal N(1)-acetyl-spermine/spermidine oxidase	82.37	3.17	55447	1	0.01609777	2.590706516	0.099263791	4.9193605e-136	3.5770442e-174	0.040163403
Q6P3D0	Nudt16	U8 snoRNA-decapping enzyme	115.72	11.79	21825	2	0.01614746	2.508154119	0.099355572	1.3078147e-135	1.1431864e-173	0.040200539
P80315	Cct4	T-complex protein 1 subunit delta	2112.64	60.67	58066	29	0.01635686	1.544082576	0.10036827	3.471876e-135	3.6457419e-173	0.04061029
P50543	S100a11	Protein S100-A11	219.21	40.82	11083	4	0.01638235	1.452388593	0.10036827	9.2037014e-135	1.1555692e-172	0.04061029
Q920A5	Scepl	Retinoid-inducible serine carboxypeptidase	331.76	19.03	50965	7	0.01670195	1.898957588	0.10172341	2.4363576e-134	3.6572596e-172	0.041158595
Q9CWM4	Pfdn1	Prefoldin subunit 1	102.01	15.57	14255	2	0.01672014	1.809105217	0.10172341	6.4402037e-134	1.1474296e-171	0.041158595
Q8R1Q8	Dync1li1	Cytoplasmic dynein 1 light intermediate chain 1	437.14	22.18	56614	7	0.0167581	1.738242709	0.10172341	1.6999578e-133	3.5952904e-171	0.041158595
Q64261	Cdk6	Cyclin-dependent kinase 6	254.71	26.69	37028	6	0.01675877	2.179170596	0.10172341	4.4808096e-133	1.1245301e-170	0.041158595
Q9D0R2	Tars	Threonine--tRNA ligase, cytoplasmic	1509.11	42.52	83356	27	0.01678169	1.887279449	0.10172341	1.1793821e-132	3.5142306e-170	0.041158595
Q9JMH9	Myo18a	Unconventional myosin-XVIIIa	226.5	3.07	232755	5	0.01682722	2.144863053	0.10178327	3.0997893e-132	1.0966724e-169	0.041182816
Q5U211	Snx3	Sorting nexin-3	327.21	52.47	18762	6	0.01690616	1.498882594	0.10187098	8.1355936e-132	3.4156593e-169	0.041218304
Q8R317	Ubqln1	Ubiquilin-1	106.21	5.5	61976	2	0.01691308	1.97832078	0.10187098	2.1321887e-131	1.0609062e-168	0.041218304
Q9Z0N1	Eif2s3x	Eukaryotic translation initiation factor 2 subunit 3, X-linked	1076	43.64	51065	18	0.01695843	1.346701937	0.10192911	5.5800903e-131	3.291817e-168	0.041241824
Q62318	Trim28	Transcription intermediary factor 1-beta	1463.95	42.45	88847	24	0.01700383	1.211302134	0.10198728	1.4582631e-130	1.0194169e-167	0.041265363
Q8CAY6	Acat2	Acetyl-CoA acetyltransferase, cytosolic	363.97	27.46	41298	6	0.01714253	1.653123608	0.1026036	3.8054803e-130	3.1508408e-167	0.041514734
P11983	Tcp1	T-complex protein 1 subunit alpha	2145.54	64.57	60449	31	0.01718228	1.524304824	0.1026264	9.9165789e-130	9.6985155e-167	0.04152396
Q9D8S9	Bola1	BolA-like protein 1	105.43	17.52	14379	3	0.01750209	2.276564568	0.10431828	2.5804352e-129	2.9799395e-166	0.042208513
Q8BU30	Iars	Isoleucine--tRNA ligase, cytoplasmic	391.51	7.21	144271	8	0.01754628	2.069421204	0.10436383	6.7050585e-129	9.08058e-166	0.042226945
P24049	Rpl17	60S ribosomal protein L17	485.37	44.57	21397	10	0.01770633	1.605404349	0.10509682	1.7397651e-128	2.761929e-165	0.04252352
P36876	Ppp2r2a	Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform	410.72	18.79	51678	8	0.01778083	1.692154946	0.10516644	4.50772e-128	8.3629558e-165	0.04255169
Q9Z120	Mettl1	tRNA (guanine-N(7)-)-methyltransferase	51.03	5.6	30603	1	0.01779173	3.764931821	0.10516644	1.1662762e-127	2.5258644e-164	0.04255169
Q01730	Rsu1	Ras suppressor protein 1	148.7	24.19	31550	3	0.01792899	2.183149664	0.10575882	3.0131717e-127	7.6205989e-164	0.042791376
P54103	Dnajc2	DnaJ homolog subfamily C member 2	106.76	5.64	71722	2	0.01804721	2.611222091	0.10605204	7.773637e-127	2.2901565e-163	0.042910015

O70325	Gpx4	Phospholipid hydroperoxide glutathione peroxidase	95.59	11.68	22229	2	0.01806753	1.845724761	0.10605204	2.0026376e-126	6.8585847e-163	0.042910015
P20108	Prdx3	Thioredoxin-dependent peroxide reductase, mitochondrial	191.54	26.46	28127	4	0.01817626	1.827315015	0.10605204	5.1517894e-126	2.0513786e-162	0.042910015
P23116	Eif3a	Eukaryotic translation initiation factor 3 subunit A	910.71	14.21	161936	19	0.01818073	1.49489702	0.10605204	1.3234005e-125	6.1157873e-162	0.042910015
P29067	Arrb2	Beta-arrestin-2	574.04	23.17	46340	10	0.01820082	1.483095498	0.10605204	3.3947035e-125	1.8216052e-161	0.042910015
Q6P5G6	Ubxn7	UBX domain-containing protein 7	42.95	1.93	52164	1	0.01820158	2.850994192	0.10605204	8.6954007e-125	5.4187848e-161	0.042910015
Q60864	Stip1	Stress-induced-phosphoprotein 1	1023.65	37.57	62582	19	0.01830062	1.624422152	0.1062936	2.2241005e-124	6.105676e-160	0.043007753
P97287	Mcl1	Induced myeloid leukemia cell differentiation protein Mcl-1 homolog	50.22	3.93	35217	1	0.0183175	1.22658.1127	0.1062936	5.6806254e-124	4.7725762e-160	0.043007753
Q3UEB3	Puf60	Poly(U)-binding-splicing factor PUF60	528.65	22.7	60249	8	0.01843193	1.273415759	0.10670103	1.4488208e-123	1.4125505e-159	0.043172606
P70195	Psmb7	Proteasome subunit beta type-7	158.8	25.27	29891	4	0.01848791	1.623977844	0.10670103	3.6898596e-123	4.1669236e-159	0.043172606
Q03265	Atp5f1a	ATP synthase subunit alpha, mitochondrial	2770.93	62.39	59753	40	0.01852161	0.803160514	0.10670103	9.3838599e-123	1.2267068e-158	0.043172606
Q62048	Pea15	Astrocytic phosphoprotein PEA-15	156.7	16.92	15054	3	0.01854606	3.390208566	0.10670103	2.3830302e-122	3.6056955e-158	0.043172606
Q76MZ3	Ppp2r1a	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	1267.77	41.77	65323	20	0.01859034	1.529566389	0.10670103	6.0430169e-122	1.0583927e-157	0.043172606
Q78ZA7	Nap114	Nucleosome assembly protein 1-like 4	581.64	29.87	42679	8	0.01861195	1.530202097	0.10670103	1.530221e-121	3.1012054e-157	0.043172606
Q63468	Prpsap1	Phosphoribosyl pyrophosphate synthase-associated protein 1	397.12	25.84	39436	7	0.01865443	1.886034951	0.10673023	3.8692823e-121	9.0750819e-157	0.043184419
P62959	Hint1	Histidine triad nucleotide-binding protein 1	189.29	42.06	13777	4	0.01896049	2.158890302	0.10818261	9.7697282e-121	2.6510295e-156	0.043772073
Q505F5	Lrrc47	Leucine-rich repeat-containing protein 47	210.41	12.39	63590	5	0.01911416	1.51930946	0.10818261	2.4632596e-120	7.6881399e-156	0.043772073
O54940	Bnip2	BCL2/adenovirus E1B 19 kDa protein-interacting protein 2	69.71	7.67	37769	2	0.0191228	1.953139721	0.10818261	6.2017378e-120	2.2206679e-155	0.043772073
P81799	Nagk	N-acetyl-D-glucosamine kinase	56.74	2.92	37196	1	0.01914992	2.684006207	0.10818261	1.5591646e-119	6.4078109e-155	0.043772073
Q9Z0S1	Bpnt1	3'(2'),5'-biphosphate nucleotidase 1	407.94	30.19	33196	7	0.01921319	2.15883069	0.10818261	3.9142245e-119	1.8464336e-154	0.043772073
Q61035	Hars	Histidine--tRNA ligase, cytoplasmic	569.23	30.45	57432	12	0.01923937	1.753324524	0.10818261	9.8123846e-119	5.3092557e-154	0.043772073
Q53UA7	Taok3	Serine/threonine-protein kinase TAO3	164.73	5.01	105474	4	0.01928865	1.49265275	0.10818261	2.4562825e-118	1.524548e-153	0.043772073
Q99K01	Pdxdc1	Pyridoxal-dependent decarboxylase domain-containing protein 1	76.39	2.8	87335	2	0.01928968	2.560049129	0.10818261	6.1398366e-118	4.3697004e-153	0.043772073
Q62095	Ddx3y	ATP-dependent RNA helicase DDX3Y	1169.83	30.09	73428	20	0.01929652	1.386254839	0.10818261	1.5325333e-117	1.2513903e-152	0.043772073
Q9JJT0	Rcl1	RNA 3'-terminal phosphate cyclase-like protein	40.41	2.14	40841	1	0.01932852	2.357062674	0.10818261	3.8197726e-117	3.5802404e-152	0.043772073
Q4KLJ8	Pdcl3	Phosducin-like protein 3	126.27	9.17	27699	2	0.01935911	2.218979909	0.10818261	9.5069106e-117	1.0227924e-151	0.043772073
Q5XIG8	Strap	Serine-threonine kinase receptor-associated protein	524.02	46.57	38456	8	0.01936298	2.116043679	0.10818261	2.3627374e-116	2.9176387e-151	0.043772073
P29341	Pabpc1	Polyadenylate-binding protein 1	1989.39	60.22	70671	33	0.01941725	1.49075881	0.10827394	5.8636161e-116	8.3153148e-151	0.043809026
P31750	Akt1	RAC-alpha serine/threonine-protein kinase	48.16	1.67	55707	1	0.01948558	2.101212015	0.10844313	1.4530797e-115	2.3653052e-150	0.043877481
P97930	Dtymk	Thymidylate kinase	129.43	16.04	23915	3	0.01955781	2.75423001	0.10863336	3.5957299e-115	6.713305e-150	0.043954449
Q9R1J0	Nsdhl	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	96.75	8.29	40686	2	0.01960483	1.725257875	0.1086831	8.8850163e-115	1.9010577e-149	0.043974576
Q6Y7W8	Gigyf2	GRB10-interacting GYF protein 2	200.37	5.58	149193	4	0.01967332	1.972405634	0.10885139	2.1923141e-114	5.3738384e-149	0.044042667
Q8K2Z4	Ncapd2	Condensin complex subunit 1	266.42	6.03	155665	6	0.01972548	1.877431376	0.10888844	5.4015771e-114	1.5157269e-148	0.044057659
O08547	Sec22b	Vesicle-trafficking protein SEC22b	539.67	43.72	24741	9	0.01976658	1.153186636	0.10888844	1.3289586e-113	4.2672374e-148	0.044057659
Q9D1A2	Cndp2	Cytosolic non-specific dipeptidase	693.95	35.37	52767	13	0.01983001	1.697055812	0.10888844	3.2649403e-113	1.199384e-147	0.044057659
Q9Z0R6	Itsn2	Intersectin-2	44.16	0.72	188908	1	0.01983257	2.514512935	0.10888844	8.0096181e-113	3.3640776e-147	0.044057659
Q9CRB9	Chchd3	MICOS complex subunit Mic19	349.08	19.82	26335	6	0.01990358	0.746771043	0.10906858	1.9620993e-112	9.4273307e-147	0.044130547
Q3U5F4	Yrdc	YrdC domain-containing protein, mitochondrial	54.49	5	29454	1	0.02009463	1.26987.4061	0.10978761	4.7995728e-112	2.6360023e-146	0.044421477
P42227	Stat3	Signal transducer and activator of transcription 3	81.04	4.16	88054	2	0.02011297	1.91432035	0.10978761	1.1723478e-111	7.3372407e-146	0.044421477
O88844	Idh1	Isocitrate dehydrogenase [NADP] cytoplasmic	804.68	35.27	46674	14	0.02018182	1.723931528	0.10978761	2.85945e-111	2.0398803e-145	0.044421477
Q9Z2Y8	Plpbbp	Pyridoxal phosphate homeostasis protein	82.71	4.74	30049	1	0.02019238	3.726753885	0.10978761	6.9643487e-111	5.6590133e-145	0.044421477
Q91YT7	Ythdf2	YTH domain-containing family protein 2	163.47	5.53	62280	3	0.02022707	1.794045381	0.10978761	1.6937539e-110	1.5682917e-144	0.044421477
Q9CWX9	Atic	Bifunctional purine biosynthesis protein PURH	2010.74	67.74	64217	32	0.02030211	1.632426024	0.1099858	4.1133128e-110	4.3397285e-144	0.044501666
Q8VE10	Naa40	N-alpha-acetyltransferase 40	69.45	5.06	27229	1	0.02045268	1.987512418	0.11045439	9.9748103e-110	1.1981615e-144	0.044691261
Q9CR00	Psmd9	26S proteasome non-ATPase regulatory subunit 9	49.21	5.41	24720	1	0.02046598	3.19175454	0.11045439	2.4153989e-109	3.2958681e-143	0.044691261
O54941	Smarce1	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1	80.67	5.6	46638	2	0.02059125	2.171841029	0.11073379	5.8404222e-109	9.056371e-143	0.04480431

P97494	Gclc	Glutamate--cysteine ligase catalytic subunit	249.43	10.36	72571	5	0.02065185	2.032887831	0.11073379	1.4101672e-108	2.4806082e-142	0.04480431
P49186	Mapk9	Mitogen-activated protein kinase 9	110.91	4.96	48017	2	0.02072695	3.207386083	0.11073379	3.3999127e-108	6.781271e-142	0.04480431
Q9ERS5	Plekha2	Pleckstrin homology domain-containing family A member 2	91.66	5.65	47380	2	0.02074058	2.193345366	0.11073379	8.1853186e-108	1.8496873e-141	0.04480431
P80313	Cct7	T-complex protein 1 subunit eta	2365.11	69.49	59652	36	0.02074624	1.604942623	0.11073379	1.967768e-107	5.0398236e-141	0.04480431
Q9QYJ3	Dnajb1	DnaJ homolog subfamily B member 1	217.97	15.59	38167	4	0.02077183	2.262991641	0.11073379	4.7237021e-107	1.3719095e-140	0.04480431
Q8R0H9	Gga1	ADP-ribosylation factor-binding protein GGA1	176.33	7.56	69972	4	0.02078925	1.96944561	0.11073379	1.1322994e-106	3.7296536e-140	0.04480431
O35127	Grccl0	Protein C10	38.07	14.29	13194	1	0.02087886	10.35366153	0.11100398	2.710254e-106	1.0127672e-139	0.044913633
P51855	Gss	Glutathione synthetase	236.54	14.14	52247	4	0.02093064	1.561203631	0.11107245	6.4778149e-106	2.743307e-139	0.044941339
Q8BHG1	Nrdc	Nardilysin	339.35	7.24	132891	6	0.02102551	2.278538114	0.11130656	1.5460257e-105	7.4176449e-139	0.045036061
Q99JF8	Psip1	PC4 and SFRS1-interacting protein	373.52	17.23	59697	7	0.02109551	0.837239152	0.11130656	3.6844641e-105	2.0005366e-138	0.045036061
Q99KQ4	Nampt	Nicotinamide phosphoribosyltransferase	468.5	22.81	55447	9	0.02113686	2.159531889	0.11130656	8.7680144e-105	5.3841251e-138	0.045036061
Q8K2I4	Manba	Beta-mannosidase	285.63	6.6	100831	6	0.02114637	2.586377762	0.11130656	2.0835181e-104	1.4467653e-137	0.045036061
Q9WVA4	Tagln2	Transgelin-2	1756.11	79.4	22395	24	0.02116969	1.408230544	0.11130656	4.9438156e-104	3.8836865e-137	0.045036061
Q9WUA2	Farsb	Phenylalanine--tRNA ligase beta subunit	563.32	21.9	65697	12	0.02127068	1.55805299	0.11163199	1.1713751e-103	1.0412266e-136	0.045167734
Q6BBI8	Ufc1	Ubiquitin-fold modifier-conjugating enzyme 1	102.15	28.14	19492	3	0.02137967	1.792091929	0.11199807	2.7713944e-103	2.7841905e-136	0.045315855
P0C0A1	Vps25	Vacuolar protein-sorting-associated protein 25	121.19	21.02	20762	3	0.02151336	2.219872223	0.11233848	6.5474032e-103	7.4241873e-136	0.045453591
P28740	Kif2a	Kinesin-like protein KIF2A	116.47	3.4	79756	2	0.0215449	2.67771205	0.11233848	1.5445717e-102	1.9733867e-135	0.045453591
A1L314	Mpeg1	Macrophage-expressed gene 1 protein	498.09	19.21	78390	11	0.02156269	1.54743823	0.11233848	3.6384392e-102	5.2380973e-135	0.045453591
Q91YR9	Ptgr1	Prostaglandin reductase 1	402.74	27.36	35560	8	0.02186233	1.740165592	0.11369209	8.55835e-102	1.3887936e-134	0.046001276
Q921M7	Fam49b	Protein FAM49B	700.82	35.49	36776	11	0.02205364	1.663469164	0.11438051	2.0101695e-101	3.6599815e-134	0.04627982
Q80U87	Usp8	Ubiquitin carboxyl-terminal hydrolase 8	305.92	7.96	122611	7	0.02209117	1.807193222	0.11438051	4.7145781e-101	9.6058418e-134	0.04627982
Q5U3K5	Rab16	Rab-like protein 6	54.02	1.52	79831	1	0.0221149	2.483222434	0.11438051	1.1041303e-100	2.5174276e-133	0.04627982
Q3V1V3	Esf1	ESF1 homolog	48.98	1.42	98048	1	0.02223978	1.959103411	0.11471662	2.582052e-100	6.5894004e-133	0.046415816
P62482	Kcnab2	Voltage-gated potassium channel subunit beta-2	227.05	22.62	41021	5	0.02226025	2.333396836	0.11471662	6.0294351e-100	1.7197219e-132	0.046415816
P80317	Cct6a	T-complex protein 1 subunit zeta	1456.67	53.3	58004	26	0.02240464	1.474007851	0.11525271	1.405902e-99	4.4829474e-132	0.046632724
Q9Z2X2	Psm10	26S proteasome non-ATPase regulatory subunit 10	82.89	3.46	25084	1	0.02246421	3.198917576	0.11535129	3.2734078e-99	1.1648197e-131	0.046672613
Q9CQ75	Ndufa2	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	75.5	14.14	10916	1	0.02272733	0.857934213	0.11633405	7.6104719e-99	3.0211031e-131	0.047070247
Q9ERK4	Cse11	Exportin-2	802.11	18.54	110455	15	0.02273709	1.420790408	0.11633405	1.7668078e-98	7.7951366e-131	0.047070247
O35654	Pold2	DNA polymerase delta subunit 2	218.13	8.96	51355	3	0.02290647	1.866827098	0.11699102	4.0957467e-98	2.0093643e-130	0.047336067
Q9QZB7	Actr10	Actin-related protein 10	165.92	7.43	46208	2	0.02298739	2.046494643	0.1170059	9.4807511e-98	5.1610222e-130	0.047342089
Q8CI75	Dis3l2	DIS3-like exonuclease 2	39.65	1.15	97775	1	0.02301618	3.340715605	0.1170059	2.191382e-97	1.3227834e-129	0.047342089
O08997	Atox1	Copper transport protein ATOX1	284	58.82	7338	4	0.02303234	1.836007668	0.1170059	5.0577683e-97	3.3859984e-129	0.047342089
Q8BH43	Wasf2	Wiskott-Aldrich syndrome protein family member 2	243.43	10.66	54074	4	0.02319507	1.639563641	0.1176233	1.1656417e-96	8.6580157e-129	0.047591894
P24155	Thop1	Thimet oligopeptidase	192.1	5.53	78385	4	0.02328128	2.464753063	0.11781448	2.6824791e-96	2.2062726e-128	0.04766925
P12749	Rpl26	60S ribosomal protein L26	360.84	31.03	17277	8	0.02335172	1.387190016	0.11781448	6.1641408e-96	5.6098229e-128	0.04766925
Q9WUM4	Coro1c	Coronin-1C	861.13	36.08	53121	13	0.02335657	1.271436318	0.11781448	1.414404e-95	1.4236403e-127	0.04766925
P22509	Fbl	rRNA 2'-O-methyltransferase fibrillar	918.82	58.1	34222	16	0.02361586	0.67461054	0.11891229	3.2407011e-95	3.6096595e-127	0.048113439
Q9D662	Sec23b	Protein transport protein Sec23B	697.68	21.51	86437	11	0.02367749	1.458074836	0.11901275	7.4142772e-95	9.1075903e-127	0.048154087
P21708	Mapk3	Mitogen-activated protein kinase 3	385.13	23.16	43081	9	0.0238451	1.625443074	0.11961909	1.6938027e-94	2.2938867e-126	0.048399419
Q8BV13	Cops7b	COP9 signalosome complex subunit 7b	38.11	7.2	29689	1	0.02392061	3.853630623	0.11961909	3.8638549e-94	5.7578193e-126	0.048399419
Q61686	Cbx5	Chromobox protein homolog 5	248.3	26.18	22186	5	0.02395389	0.843003993	0.11961909	8.8012136e-94	1.4424094e-125	0.048399419
Q68FH4	Galk2	N-acetylgalactosamine kinase	108.72	5.02	50503	2	0.02396572	1.928622565	0.11961909	2.0018332e-93	3.6086767e-125	0.048399419
P62748	Hpcal1	Hippocalcin-like protein 1	58.64	16.58	22338	2	0.02401631	4.288970079	0.11966244	4.5464939e-93	9.0194433e-125	0.048416959
P10605	Ctsb	Cathepsin B	1457.13	63.72	37280	21	0.02411858	1.525920184	0.1199626	1.0310709e-92	2.2507374e-124	0.048538407
P60517	Gabarap	Gamma-aminobutyric acid receptor-associated protein	186.83	21.37	13918	3	0.02417201	1.81874297	0.12001927	2.3348739e-92	5.6032702e-124	0.048561337
Q3U0V1	Khsrp	Far upstream element-binding protein 2	1259.83	42.91	76775	20	0.0242542	1.234680417	0.12021831	5.2796011e-92	1.3926952e-123	0.048641869
Q91YJ3	Thyn1	Thymocyte nuclear protein 1	78.47	6.64	26178	2	0.02434082	2.155135562	0.12043857	1.192069e-91	3.4544602e-123	0.04873099
Q6AYA1	Gar1	H/ACA ribonucleoprotein complex subunit 1	104.08	9.73	23011	2	0.02443859	0.57667368	0.12051107	2.6875966e-91	8.5504221e-123	0.048760325
P27612	Plaa	Phospholipase A-2-activating protein	554.38	17.76	87221	10	0.0244399	1.977380649	0.12051107	6.0504677e-91	2.1115847e-122	0.048760325
Q0P5W1	Vps8	Vacuolar protein sorting-associated protein 8 homolog	37.15	0.49	161146	1	0.02453819	2.424932115	0.12074696	1.3601156e-90	5.2104189e-122	0.048855767
O88902	Ptpn23	Tyrosine-protein phosphatase non-receptor type 23	87.02	1.73	163454	2	0.02458962	2.659456077	0.12074696	3.0529836e-90	1.2827748e-121	0.048855767

Q8R2E9	Ero1b	ERO1-like protein beta	223.18	8.99	53518	4	0.02474293	2.256676376	0.12074696	6.8428137e-90	3.1531705e-121	0.048855767
P04256	Hnrnpa1	Heterogeneous nuclear ribonucleoprotein A1	1476.03	55.31	34212	21	0.02476358	0.704468116	0.12074696	1.5314624e-89	7.7269996e-121	0.048855767
Q02356	Ampd2	AMP deaminase 2	86.4	2.43	94787	2	0.02480312	2.176162769	0.12074696	3.4224661e-89	1.8914487e-120	0.048855767
Q3TIV5	Zc3h15	Zinc finger CCCH domain-containing protein 15	188.14	8.22	48327	3	0.02483894	1.634661912	0.12074696	7.6371786e-89	4.623573e-120	0.048855767
P51807	Dynl1	Dynein light chain Tctex-type 1	61.35	15.93	12483	1	0.02487123	9.549798492	0.12074696	1.7017177e-88	1.1287149e-119	0.048855767
Q5XI41	Tram1	Translocating chain-associated membrane protein 1	194.05	6.95	43030	3	0.0248784	0.697768865	0.12074696	3.786192e-88	2.7519261e-119	0.048855767
P43275	Hist1h1a	Histone H1.1	511.19	36.15	21785	9	0.02492405	0.649363956	0.12074696	8.4115903e-88	6.7033877e-119	0.048855767
Q9JLT4	Txnrd2	Thioredoxin reductase 2, mitochondrial	176.76	5.15	56603	2	0.02494514	1.431575687	0.12074696	1.866009e-87	1.6304706e-118	0.048855767
Q9QUR7	Pin1	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	134.52	20.61	18370	2	0.02495423	1.967077278	0.12074696	4.1334179e-87	3.9613936e-118	0.048855767
Q9CRC8	Lrrc40	Leucine-rich repeat-containing protein 40	133.78	4.32	68076	2	0.02501882	1.982218149	0.12074696	9.1424926e-87	9.6155613e-118	0.048855767
Q8CE96	Trmt6	tRNA (adenine(58)-N(1))-methyltransferase non-catalytic subunit TRM6	64.97	3.62	55518	1	0.02503755	3.06988675	0.12074696	2.0192005e-86	2.3299341e-117	0.048855767
Q9D7S7	Rpl22l1	60S ribosomal protein L22-like 1	294.61	45.08	14467	4	0.02509847	1.385402601	0.12083665	4.453009e-86	5.6395359e-117	0.04889206
Q9DAR7	Deprs	m7GpppX diphosphatase	448.69	35.5	38988	9	0.02539074	2.047188912	0.12156612	9.8058853e-86	1.3627301e-116	0.049187209
Q9CQN1	Trap1	Heat shock protein 75 kDa, mitochondrial	897.78	30.17	80209	15	0.0253917	1.350182907	0.12156612	2.1561498e-85	3.2765157e-116	0.049187209
Q8R4Y8	Rttm	Rotatin	42.11	0.31	248489	1	0.02544574	1.915096937	0.12156612	4.734016e-85	7.8715282e-116	0.049187209
Q9Z2L0	Vdac1	Voltage-dependent anion-selective channel protein 1	1355.54	78.09	30756	18	0.02553495	0.605348854	0.12156612	1.0378605e-84	1.8880928e-115	0.049187209
P25322	Cend1	G1/S-specific cyclin-D1	101.89	9.49	33429	2	0.02561405	1.993200957	0.12156612	2.2719903e-84	4.5195073e-115	0.049187209
Q8CGY8	Ogt	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit	320.67	8.41	116952	6	0.02561482	1.850018529	0.12156612	4.9662891e-84	1.0797583e-114	0.049187209
P26638	Sars	Serine--tRNA ligase, cytoplasmic	726.71	29.69	58389	14	0.02567245	1.621115816	0.12156612	1.0839652e-83	2.577549e-114	0.049187209
P70315	Was	Wiskott-Aldrich syndrome protein homolog	155.03	13.08	54192	3	0.02567498	1.92870939	0.12156612	2.3624154e-83	6.1430888e-114	0.049187209
P51859	Hdgf	Hepatoma-derived growth factor	430.74	49.37	26269	8	0.02571553	1.465266386	0.12156612	5.1410826e-83	1.4628508e-113	0.049187209
Q9JKP5	Mbnl1	Muscleblind-like protein 1	350.63	25.22	36976	6	0.02572509	1.563256583	0.12156612	1.1171463e-82	3.4786942e-113	0.049187209
Q9DCD0	Pgd	6-phosphogluconate dehydrogenase, decarboxylating	1873.08	56.52	53247	26	0.02581678	1.46010803	0.12156612	2.4239434e-82	8.2646092e-113	0.049187209
P18654	Rps6ka3	Ribosomal protein S6 kinase alpha-3	78.01	2.57	83694	2	0.02584691	1.99303192	0.12156612	5.2515995e-82	1.9594057e-112	0.049187209
O88342	Wdr1	WD repeat-containing protein 1	1345.48	49.83	66407	20	0.02592046	1.510883009	0.12156612	1.1361018e-81	4.6397336e-112	0.049187209
Q9CQH3	Ndufb5	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 5, mitochondrial	66.67	5.82	21710	1	0.02596111	1.928429808	0.12156612	2.4541389e-81	1.0966533e-111	0.049187209
Q9CQX2	Cyb5b	Cytochrome b5 type B	95.89	15.75	16318	2	0.02596132	0.785780299	0.12156612	5.2934291e-81	2.5885135e-111	0.049187209
Q61990	Pcbp2	Poly(rC)-binding protein 2	955.25	46.96	38222	13	0.02598166	1.298078726	0.12156612	1.1400684e-80	6.1048708e-111	0.049187209
Q91YR5	Mettl13	Methyltransferase-like protein 13	87.05	3.01	78757	2	0.02599988	2.136542902	0.12156612	2.4517732e-80	1.4382262e-110	0.049187209
Q00PI9	Hnrnpul2	Heterogeneous nuclear ribonucleoprotein U-like protein 2	689.28	17.58	84940	12	0.02601643	0.745208729	0.12156612	5.2648389e-80	3.384658e-110	0.049187209
Q05816	Fabp5	Fatty acid-binding protein 5	1148.5	80	15137	16	0.02618138	1.73604111	0.12213698	1.1288728e-79	7.9569872e-110	0.049418187
Q6PGL7	Washc2	WASH complex subunit 2	103.18	3.15	145311	2	0.02634122	2.459181842	0.12247801	2.4169068e-79	1.8649022e-109	0.049556172
P21956	Mfge8	Lactadherin	112.39	6.7	51241	3	0.02641544	1.524327136	0.12247801	5.1668931e-79	4.3578783e-109	0.049556172
Q9Z0P5	Twf2	Twinfilin-2	386.7	32.95	39471	7	0.02647635	1.689915749	0.12247801	1.1029442e-78	1.016504e-108	0.049556172
P00375	Dhfr	Dihydrofolate reductase	231.23	33.69	21606	5	0.0264804	2.536031041	0.12247801	2.3508874e-78	2.3672088e-108	0.049556172
Q9CPV4	Glod4	Glyoxalase domain-containing protein 4	677.95	56.71	33317	16	0.02653183	1.771280628	0.12247801	5.0033875e-78	5.5079034e-108	0.049556172
Q8BFT2	Haus4	HAUS augmin-like complex subunit 4	40.47	7.16	42197	1	0.02658017	6.84280266	0.12247801	1.0632864e-77	1.2796312e-107	0.049556172
Q6PGB6	Naa50	N-alpha-acetyltransferase 50	171.35	23.67	19144	3	0.02659503	1.951463188	0.12247801	2.2562639e-77	2.9685915e-107	0.049556172
Q02053	Uba1	Ubiquitin-like modifier-activating enzyme 1	1796.89	34.5	117809	27	0.02665266	1.600871245	0.12247801	4.7806053e-77	6.8797904e-107	0.049556172
Q9JLI6	Scly	Selenocysteine lyase	153.62	15.97	47174	4	0.02666113	1.879090016	0.12247801	1.011414e-76	1.5918947e-106	0.049556172
P56383	Atp5mc2	ATP synthase F(0) complex subunit C2, mitochondrial	220.62	26.03	15476	2	0.02676338	0.05713911	0.12247801	2.136623e-76	3.6800064e-106	0.049556172
Q9QYJ0	Dnaja2	DnaJ homolog subfamily A member 2	366.82	27.43	45746	7	0.0267656	1.400169143	0.12247801	4.5069158e-76	8.4887662e-106	0.049556172
O54747	Pold1	DNA polymerase delta catalytic subunit	298.75	6.26	123601	7	0.02676927	1.776973248	0.12247801	9.4925608e-76	1.9564601e-105	0.049556172
P62914	Rpl11	60S ribosomal protein L11	632.19	54.49	20252	11	0.02682726	1.388435072	0.12253582	1.9963629e-75	4.5052482e-105	0.049579566
Q8BUM3	Ptpn7	Tyrosine-protein phosphatase non-receptor type 7	112.28	8.91	40351	2	0.02690104	2.455930364	0.12253582	4.1922531e-75	1.0358108e-104	0.049579566
Q9CQW9	Ifitm3	Interferon-induced transmembrane protein 3	423.19	48.91	14954	6	0.0269421	1.520339537	0.12253582	8.7903707e-75	2.3772147e-104	0.049579566
Q9EPU0	Upf1	Regulator of nonsense transcripts 1	1036.76	19.4	123967	21	0.02701764	1.520928039	0.12253582	1.8404258e-74	5.4483794e-104	0.049579566

Q6NVF9	Cpsf6	Cleavage and polyadenylation specificity factor subunit 6	512.74	19.06	59153	8	0.02708624	1.286031944	0.12253582	3.8475179e-74	1.2464793e-103	0.049579566
Q8BFQ8	Gatd1	Glutamine amidotransferase-like class 1 domain-containing protein 1	117.08	10.45	23277	2	0.02719874	2.008931582	0.12253582	8.0314497e-74	2.8468315e-103	0.049579566
P58389	Ptpa	Serine/threonine-protein phosphatase 2A activator	93.03	5.88	36710	1	0.02719907	3.089302946	0.12253582	1.6740096e-73	6.4871802e-103	0.049579566
P54775	Psmc4	26S proteasome regulatory subunit 6B	397.47	23.92	47408	8	0.02722925	1.31879254	0.12253582	3.4839543e-73	1.4770309e-102	0.049579566
Q9D019	Rars	Arginine--tRNA ligase, cytoplasmic	1329.99	40	75674	23	0.02723894	1.597400697	0.12253582	7.2399768e-73	3.3589006e-102	0.049579566
P12368	Prkar2a	cAMP-dependent protein kinase type II-alpha regulatory subunit	251.98	12.97	45480	4	0.02724734	1.901796555	0.12253582	1.5022835e-72	7.6311702e-102	0.049579566
O35226	Psm4	26S proteasome non-ATPase regulatory subunit 4	465.89	32.45	40704	8	0.02725403	1.315059692	0.12253582	3.1125502e-72	1.73212e-101	0.049579566
Q8BVY0	Rsl1d1	Ribosomal L1 domain-containing protein 1	1118.56	40.71	50421	14	0.02740042	0.671782167	0.1229244	6.4391767e-72	3.9279529e-101	0.049736787
Q99K85	Psat1	Phosphoserine aminotransferase	1514.64	60.27	40473	25	0.02742656	1.736103205	0.1229244	1.3301284e-71	8.8836604e-101	0.049736787
O08663	Metap2	Methionine aminopeptidase 2	107.39	5.44	52922	2	0.02749677	7.968038359	0.12299706	2.7435054e-71	2.0068442e-100	0.049766187
P68181	Prkacb	cAMP-dependent protein kinase catalytic subunit beta	261.26	16.24	40708	5	0.02755713	1.923549361	0.12299706	5.6502392e-71	4.525767e-100	0.049766187
Q9D7H3	RtcA	RNA 3'-terminal phosphate cyclase	185.8	12.02	39254	3	0.02757937	1.925126275	0.12299706	1.1619204e-70	1.0190185e-99	0.049766187
Q9JL18	Sart3	Squamous cell carcinoma antigen recognized by T-cells 3	366.2	9.88	109619	7	0.02765219	1.786687111	0.12299706	2.3858007e-70	2.2918673e-99	0.049766187
P61222	Abce1	ATP-binding cassette sub-family E member 1	1040.79	34.89	67314	16	0.02765818	1.724647439	0.12299706	4.8914766e-70	5.1456734e-99	0.049766187
Q8BKC5	Ipo5	Importin-5	778.2	19.05	123591	14	0.02782527	1.670064973	0.12354768	1.0013677e-69	1.1542494e-98	0.049988977
Q9EP69	Sacm11	Phosphatidylinositol phosphatase SAC1	227.73	9.2	66944	5	0.02814734	0.755368493	0.12448275	2.0468908e-69	2.5816717e-98	0.050367318
P62889	Rpl30	60S ribosomal protein L30	437.35	58.26	12784	7	0.02816699	1.650379662	0.12448275	4.1777557e-69	5.7469481e-98	0.050367318
O35142	Copb2	Coatomer subunit beta'	807.7	26.52	102551	15	0.02818023	1.606557836	0.12448275	8.5140937e-69	1.2779405e-97	0.050367318
Q9QYB1	Clic4	Chloride intracellular channel protein 4	921.84	57.31	28729	13	0.02821028	1.684618142	0.12448275	1.7325292e-68	2.8389269e-97	0.050367318
Q8BG30	Nelfa	Negative elongation factor A	126.8	4.53	57585	2	0.02831355	1.604416043	0.12454753	3.5202152e-68	6.2991141e-97	0.050393526
Q9CQV5	Mrps24	28S ribosomal protein S24, mitochondrial	41.99	4.79	18901	1	0.02833895	2.613732175	0.12454753	7.1417411e-68	1.3947777e-96	0.050393526
Q9QUM9	Psm6	Proteasome subunit alpha type-6	783.67	64.63	27372	13	0.02839321	1.639288401	0.12454753	1.4467217e-67	3.084873e-96	0.050393526
Q91Z53	Grhpr	Glyoxylate reductase/hydroxypyruvate reductase	235.94	19.51	35329	5	0.02847094	1.919216752	0.12454753	2.9262512e-67	6.8128152e-96	0.050393526
P47197	Akt2	RAC-beta serine/threonine-protein kinase	47.76	1.66	55543	1	0.02847318	3.111483903	0.12454753	5.9099486e-67	1.50194e-95	0.050393526
Q9QZ88	Vps29	Vacuolar protein sorting-associated protein 29	200.28	37.36	20496	5	0.02849725	2.04685737	0.12454753	1.1917935e-66	3.3082989e-95	0.050393526
O35303	Dnm11	Dynamin-1-like protein	296.86	8.61	83908	6	0.02858712	1.981573939	0.12454753	2.3997351e-66	7.2789726e-95	0.050393526
Q9DAK9	Phpt1	14 kDa phosphohistidine phosphatase	42.81	19.35	13997	1	0.02864487	3.477900373	0.12454753	4.8246995e-66	1.5984954e-94	0.050393526
Q9D2R0	Aacs	Acetoacetyl-CoA synthetase	118.49	4.17	75200	3	0.0287363	1.868049208	0.12454753	9.6854919e-66	3.5050521e-94	0.050393526
Q80X80	C2cd2l	Phospholipid transfer protein C2CD2L	53.79	1.42	76329	1	0.0287533	2.436939498	0.12454753	1.94141e-65	7.6709486e-94	0.050393526
P49718	Mcm5	DNA replication licensing factor MCM5	1088.75	30.97	82343	22	0.02876108	1.326949926	0.12454753	3.8855882e-65	1.6770802e-93	0.050393526
Q8K2T1	Nmral1	NmrA-like family domain-containing protein 1	111.05	7.77	34376	3	0.02876229	2.282858621	0.12454753	7.7649724e-65	3.6631513e-93	0.050393526
D3ZLZ7	Impdh1	Inosine-5'-monophosphate dehydrogenase 1	229.12	6.61	55293	4	0.02879207	1.994765589	0.12454753	1.5494103e-64	7.9943752e-93	0.050393526
Q9D1G2	Pmvk	Phosphomevalonate kinase	162.67	19.27	21916	3	0.02889283	2.069611848	0.12479429	3.0869963e-64	1.7426005e-92	0.05049337
P62944	Ap2b1	AP-2 complex subunit beta	723.3	20.28	104553	14	0.02903564	1.175145279	0.1251133	6.1411345e-64	3.7908637e-92	0.050622447
Q99JW2	Acy1	Aminoacylase-1	645.02	33.09	45781	9	0.02905433	1.631961164	0.1251133	1.2198423e-63	8.2261846e-92	0.050622447
Q9JL35	Hmgn5	High mobility group nucleosome-binding domain-containing protein 5	149.55	10.1	45344	4	0.02915977	1.239013524	0.12537821	2.4193634e-63	1.7832e-91	0.050729631
Q9QY17	Pacsin2	Protein kinase C and casein kinase substrate in neurons 2 protein	164.27	8.4	55978	4	0.02948353	2.301096968	0.12657966	4.7911588e-63	3.857557e-91	0.051215754
Q8R1N4	Nudcd3	NudC domain-containing protein 3	40.24	3.31	40890	1	0.02957532	2.123557261	0.12665636	9.4737473e-63	8.3074276e-91	0.051246786
Q8CI33	Cwf19l1	CWF19-like protein 1	80.37	5.4	60193	2	0.02959012	2.180783535	0.12665636	1.8704433e-62	1.7857067e-90	0.051246786
P07742	Rrm1	Ribonucleoside-diphosphate reductase large subunit	373.05	14.02	90210	7	0.02971686	1.513783227	0.12665934	3.6873004e-62	3.8345897e-90	0.051247994
Q8R3C6	Rbm19	Probable RNA-binding protein 19	38.38	1.05	106083	1	0.02978767	2.028166299	0.12665934	7.2579416e-62	8.2158045e-90	0.051247994
P63085	Mapk1	Mitogen-activated protein kinase 1	413.33	29.89	41276	10	0.02980126	1.931498619	0.12665934	1.4264584e-61	1.7574252e-89	0.051247994
P84091	Ap2m1	AP-2 complex subunit mu	534.71	31.26	49655	12	0.02986191	1.586173198	0.12665934	2.7992724e-61	3.7555634e-89	0.051247994
Q3UNDO	Skap2	Src kinase-associated phosphoprotein 2	54.93	5.59	40712	2	0.02987756	1.475925453	0.12665934	5.4849335e-61	8.0134317e-89	0.051247994
Q9JMH6	Txnrd1	Thioredoxin reductase 1, cytoplasmic	1055.88	42.09	67084	15	0.02990972	1.565222587	0.12665934	1.0730932e-60	1.7081382e-88	0.051247994
P35601	Rfc1	Replication factor C subunit 1	78.45	1.06	125985	1	0.0299269	2.303124016	0.12665934	2.0962501e-60	3.6367132e-88	0.051247994
Q61081	Cdc37	Hsp90 co-chaperone Cdc37	301.26	14.25	44593	5	0.02994573	1.713940093	0.12665934	4.0887266e-60	7.7347773e-88	0.051247994

B2RYU6	Trappc21	Trafficking protein particle complex subunit 2-like protein	51.92	6.47	16032	1	0.03012437	2.755334313	0.12722645	7.9629151e-60	1.643353e-87	0.051477453
Q8BK67	Rcc2	Protein RCC2	1429.69	59.62	55983	24	0.0301801	1.295242455	0.12727353	1.5484417e-59	3.481779e-87	0.051496501
Q6DGG1	Abhd14b	Protein ABHD14B	72.93	10	22618	2	0.03036058	3.006772118	0.12753629	3.0064646e-59	7.366198e-87	0.051602818
Q80Y14	Glrx5	Glutaredoxin-related protein 5, mitochondrial	90.76	17.76	16292	2	0.03036602	2.171530936	0.12753629	5.8284831e-59	1.5540819e-86	0.051602818
P29066	Arrb1	Beta-arrestin-1	217.49	11.96	47020	5	0.03037642	1.505641196	0.12753629	1.1282177e-58	3.2757768e-86	0.051602818
Q6PDG5	Smarrcc2	SWI/SNF complex subunit SMARCC2	341.55	6.51	132604	6	0.03045108	1.17016569	0.12766201	2.1805592e-58	6.8982761e-86	0.051653688
Q9CZH3	Psmg3	Proteasome assembly chaperone 3	90.16	27.05	13331	2	0.03056945	1.925323026	0.12797033	4.2080436e-58	1.4502856e-85	0.051778438
P62918	Rp18	60S ribosomal protein L8	569.76	42.02	28025	11	0.030651	1.342726415	0.12812389	8.1082967e-58	3.0426534e-85	0.051840569
P97825	Jpt1	Jupiter microtubule associated homolog 1	120.6	27.27	16081	2	0.03082827	2.367525743	0.12867649	1.5599685e-57	6.3725001e-85	0.052064158
Q9CWU9	Nup37	Nucleoporin Nup37	133.98	10.12	36732	2	0.03087784	0.515836775	0.12869521	2.9966671e-57	1.3310351e-84	0.052071734
Q9D7X3	Dusp3	Dual specificity protein phosphatase 3	600.66	59.46	20472	10	0.03110593	1.560130602	0.12932065	5.7477435e-57	2.7763769e-84	0.052324794
Q8BNU0	Armc6	Armadillo repeat-containing protein 6	90.76	4.49	50683	1	0.03111849	2.394953209	0.12932065	1.1007589e-56	5.7725654e-84	0.052324794
Q9JHW2	Nit2	Omega-amidase NIT2	523.68	35.87	30502	8	0.03127174	1.89235957	0.12976865	2.1048571e-56	1.1990552e-83	0.05250606
Q3B7D1	Ube2z	Ubiquitin-conjugating enzyme E2 Z	50.67	2.25	38352	1	0.03133215	423672.444	0.12983062	4.0187261e-56	2.4846043e-83	0.052531135
Q3UQ44	Iqgap2	Ras GTPase-activating-like protein IQGAP2	100.96	1.14	180528	2	0.03140823	1.54440104	0.12990034	7.6610665e-56	5.1409329e-83	0.052559343
Q9QUJ7	Acs14	Long-chain-fatty-acid--CoA ligase 4	825.24	29.68	79077	16	0.03143998	1.422830082	0.12990034	1.458226e-55	1.0619992e-82	0.052559343
Q07797	Lgals3bp	Galectin-3-binding protein	389.03	17.85	64491	6	0.03150463	1.430030237	0.12997936	2.7713724e-55	2.1912996e-82	0.052591315
O70454	Bud31	Protein BUD31 homolog	180.02	20.83	17000	4	0.03157364	1.409016511	0.13003846	5.2589509e-55	4.5146987e-82	0.052615229
Q6PAR5	Gapvd1	GTPase-activating protein and VPS9 domain-containing protein 1	154.87	3.02	162402	3	0.03161005	2.352748704	0.13003846	9.9640806e-55	9.2872435e-82	0.052615229
P53534	Pygb	Glycogen phosphorylase, brain form	585.22	16.71	96174	10	0.03167476	1.670806994	0.13009574	1.8849895e-54	1.908183e-81	0.052638406
Q8CIN4	Pak2	Serine/threonine-protein kinase PAK 2	936.55	36.45	57930	14	0.03178667	1.672456123	0.13009574	3.5605241e-54	3.9147515e-81	0.052638406
Q8BSY0	Asph	Aspartyl/asparaginyl beta-hydroxylase	643.15	24.83	83042	14	0.03181171	1.172576826	0.13009574	6.7150913e-54	8.0155666e-81	0.052638406
P22907	Hmbs	Porphobilinogen deaminase	323.75	17.73	39344	4	0.03181983	1.816364687	0.13009574	1.264511e-53	1.6394197e-80	0.052638406
Q63068	Phax	Phosphorylated adapter RNA export protein	46.11	2.86	43166	1	0.0319652	1.927796638	0.13009574	2.3775283e-53	3.3500013e-80	0.052638406
Q9D906	Atg7	Ubiquitin-like modifier-activating enzyme ATG7	277.77	13.47	77520	7	0.03198312	1.954492995	0.13009574	4.4633495e-53	6.8297389e-80	0.052638406
Q76N33	Stambpl1	AMSH-like protease	75.02	4.59	49640	1	0.03200165	1.968581014	0.13009574	8.366193e-53	1.3909773e-79	0.052638406
Q8VD75	Hip1	Huntingtin-interacting protein 1	62.6	1.65	115202	1	0.03203105	4.138521799	0.13009574	1.5657642e-52	2.8300204e-79	0.052638406
O09131	Gsto1	Glutathione S-transferase omega-1	84.83	7.92	27498	2	0.03203408	2.006211721	0.13009574	2.925877e-52	5.7512914e-79	0.052638406
Q8VBV7	Cops8	COP9 signalosome complex subunit 8	216.54	29.67	23256	4	0.03208029	1.837692421	0.13009832	5.4590446e-52	1.1677775e-78	0.052639448
Q4AEF8	Copg1	Coatomer subunit gamma-1	709.58	20.02	97614	12	0.03220122	1.751845922	0.13024622	1.0169693e-51	2.3680356e-78	0.052699291
Q9D270	Zdhhc21	Probable palmitoyltransferase ZDHHC21	49.75	3.02	31331	1	0.03221068	0.555121929	0.13024622	1.8915999e-51	4.792166e-78	0.052699291
P80318	Cct3	T-complex protein 1 subunit gamma	1368.41	40.92	60630	24	0.03225362	1.553499566	0.13024622	3.5130209e-51	9.6887178e-78	0.052699291
P62715	Ppp2cb	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	493.98	33.33	35575	9	0.03233938	1.682386553	0.1302935	6.5142116e-51	1.9563609e-77	0.05271842
B2RXC1	Trappc11	Trafficking protein particle complex subunit 11	47.95	0.79	128396	1	0.0323566	2.921882543	0.1302935	1.2060696e-50	3.9436582e-77	0.05271842
O09167	Rpl21	60S ribosomal protein L21	328.88	38.12	18562	6	0.03242106	1.43800552	0.13036918	2.2295228e-50	7.9415767e-77	0.052749043
Q569Z6	Thrap3	Thyroid hormone receptor-associated protein 3	312.61	9.25	108178	6	0.03256746	0.551253388	0.13055139	4.1150984e-50	1.5968808e-76	0.052822765
Q6ZQ58	Larp1	La-related protein 1	283.35	7.09	121125	5	0.03261612	1.523359841	0.13055139	7.5836272e-50	3.203725e-76	0.052822765
Q9CQR4	Acot13	Acyl-coenzyme A thioesterase 13	263.81	37.86	15183	4	0.03263089	2.004275149	0.13055139	1.3954101e-49	6.4189632e-76	0.052822765
O08583	Alyref	THO complex subunit 4	441.15	47.06	26940	6	0.03264928	0.729695919	0.13055139	2.5636254e-49	1.2848197e-75	0.052822765
Q8BMP6	Acbd3	Golgi resident protein GCP60	395.69	20.76	60181	7	0.03279109	2.269769334	0.13093505	4.7025648e-49	2.5690431e-75	0.052978002
P58044	Idi1	Isopentenyl-diphosphate Delta-isomerase 1	213.48	29.07	26289	4	0.03287828	1.964976616	0.13097771	8.6127571e-49	5.1255777e-75	0.052995262
P0C7N9	Psmg4	Proteasome assembly chaperone 4	93.52	33.33	13974	2	0.03293792	2.206137679	0.13097771	1.5749853e-48	1.0209025e-74	0.052995262
P04692	Tpm1	Tropomyosin alpha-1 chain	379.17	16.9	32681	7	0.03299187	1.898366652	0.13097771	2.8756588e-48	2.0305313e-74	0.052995262
Q4KML4	Abracl	Costars family protein ABRACL	312.09	51.85	9030	6	0.03301908	1.732917153	0.13097771	5.2423313e-48	4.0331353e-74	0.052995262
Q80X41	Vrk1	Serine/threonine-protein kinase VRK1	203.91	16.82	49741	4	0.03303116	1.522253709	0.13097771	9.5419581e-48	8.0018898e-74	0.052995262
O09172	Gclm	Glutamate--cysteine ligase regulatory subunit	154.92	13.5	30535	3	0.03312297	1.364652566	0.13115961	1.7341081e-47	1.5860612e-73	0.05306886
P62907	Rpl10a	60S ribosomal protein L10a	794.08	50.69	24831	15	0.03330933	1.259724993	0.13171486	3.1465897e-47	3.1383512e-73	0.053293521
P0DP26	Calm1	Calmodulin-1	342.27	70.47	16838	5	0.03358916	1.958787033	0.13263769	5.7007114e-47	6.1938268e-73	0.053666909
Q5XJY5	Aren1	Coatomer subunit delta	892.83	36.01	57229	18	0.03381315	1.475675645	0.13308406	1.0311994e-46	1.2182233e-72	0.053847519
P49962	Srp9	Signal recognition particle 9 kDa protein	44.99	12.79	10194	1	0.03382904	4.096273945	0.13308406	1.8624327e-46	2.3891204e-72	0.053847519

Q922Q8	Lrrc59	Leucine-rich repeat-containing protein 59	315.59	36.81	34877	7	0.03384204	1.551379955	0.13308406	3.3584781e-46	4.6807709e-72	0.053847519
Q99P69	Nuf2	Kinetochore protein Nuf2	35.47	2.38	54594	1	0.03405218	3.625655083	0.13372624	6.0468355e-46	9.1616895e-72	0.05410735
Q3THK3	Gtf2f1	General transcription factor IIF subunit 1	161.33	6.3	57241	2	0.03421717	2.381257844	0.13390311	1.087019e-45	1.7883038e-71	0.054178915
P35505	Fah	Fumarylacetoacetase	112.53	8.35	46176	2	0.03422731	1.989595393	0.13390311	1.9510536e-45	3.4825466e-71	0.054178915
Q9D2X5	Mau2	MAU2 chromatid cohesion factor homolog	46.81	1.13	69579	1	0.03423792	4.063886916	0.13390311	3.4964228e-45	6.7755521e-71	0.054178915
Q9CQ71	Rpa3	Replication protein A 14 kDa subunit	72.45	30.58	13584	2	0.03440502	1.575043191	0.13436406	6.2560627e-45	1.3169883e-70	0.05436542
Q8WTKY4	Ciapin1	Anamorasin	240.31	22.33	33429	5	0.03463303	1.514180378	0.13436406	1.11176358e-44	2.5539141e-70	0.05436542
Q8VEJ4	Nle1	Notchless protein homolog 1	229.67	13.61	53134	5	0.0346349	1.366618639	0.13436406	1.9935229e-44	4.9384515e-70	0.05436542
Q62384	Zpr1	Zinc finger protein ZPR1	148.03	7.63	50715	3	0.03467827	1.582936648	0.13436406	3.5502879e-44	9.541138e-70	0.05436542
Q9CWP6	Mospd2	Motile sperm domain-containing protein 2	103.84	3.47	59855	2	0.034681	2.067554915	0.13436406	6.3128721e-44	1.841095e-69	0.05436542
Q9DBR7	Ppp1r12a	Protein phosphatase 1 regulatory subunit 12A	49.74	0.97	114996	1	0.03468503	1.924239336	0.13436406	1.1207562e-43	3.5495431e-69	0.05436542
Q9CQ60	Pgls	6-phosphogluconolactonase	786.36	87.16	27254	13	0.03468522	1.608879265	0.13436406	1.9866241e-43	6.8372749e-69	0.05436542
Q8R570	Snap47	Synaptosomal-associated protein 47	51.85	3.63	46524	1	0.03488237	7.668742161	0.13475142	3.515931e-43	1.315896e-68	0.054522153
Q6PDM2	Srsf1	Serine/arginine-rich splicing factor 1	544.95	33.47	27745	10	0.03489762	0.735483885	0.13475142	6.2127622e-43	2.526082e-68	0.054522153
Q9Z1G3	Atp6v1c1	V-type proton ATPase subunit C 1	516.22	26.18	43888	9	0.03492681	1.679908728	0.13475142	1.0960958e-42	4.8444577e-68	0.054522153
Q8JZY2	Comm10	COMM domain-containing protein 10	42.59	5.94	22812	1	0.03498156	5.736679258	0.13478051	1.9307737e-42	9.2802998e-68	0.054533921
Q9CQ65	Mtap	S-methyl-5'-thioadenosine phosphorylase	475.25	35.34	31062	8	0.03508562	1.674002839	0.13499927	3.3957286e-42	1.7754258e-67	0.054622434
P25799	Nfkb1	Nuclear factor NF-kappa-B p105 subunit	47.84	1.65	105615	1	0.03520527	1.768253374	0.13511345	5.9628373e-42	3.3906606e-67	0.054668633
O88447	Klc1	Kinesin light chain 1	104.17	4.44	61450	2	0.03520995	1.906389564	0.13511345	1.0454205e-41	6.4632633e-67	0.054668633
Q5U2Q3		Ester hydrolase C11orf54 homolog	54.76	8.89	34993	2	0.03527855	2.515023036	0.13514379	1.8299818e-41	1.2309194e-66	0.054680911
P51432	Plcb3	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3	298.04	7.46	139487	6	0.03537489	1.388125279	0.13514379	3.1983053e-41	2.3408967e-66	0.054680911
Q6WVG3	Kctd12	BTB/POZ domain-containing protein KCTD12	561.19	42.2	35892	9	0.03538933	1.413851119	0.13514379	5.5809753e-41	4.4443591e-66	0.054680911
Q924C1	Xpo5	Exportin-5	293.84	6.64	136973	6	0.03542043	3.192643843	0.13514379	9.7233737e-41	8.4296543e-66	0.054680911
Q8C147	Dock8	Dedicator of cytokinesis protein 8	98.39	1.19	238978	2	0.03545842	2.43533907	0.13514379	1.6913762e-40	1.5970658e-65	0.054680911
P61082	Ube2m	NEDD8-conjugating enzyme Ubc12	183.33	30.05	20900	4	0.03550187	1.687363275	0.13514379	2.9375106e-40	3.0221978e-65	0.054680911
P50247	Ahcy	Adenosylhomocysteinase	1277.03	48.15	47688	19	0.03561447	1.538857518	0.1353919	5.0937114e-40	5.7120244e-65	0.054781297
P97834	Gps1	COP9 signalosome complex subunit 1	267.39	15.07	53428	6	0.03579633	1.556291446	0.13553612	8.8186996e-40	1.0776439e-64	0.054839652
P60521	Gabarrpl2	Gamma-aminobutyric acid receptor-associated protein-like 2	179.61	36.75	13667	4	0.03580816	2.230807005	0.13553612	1.5243677e-39	2.028304e-64	0.054839652
Q6MG61	Clic1	Chloride intracellular channel protein 1	1265.48	61.41	26981	19	0.03583151	1.57434316	0.13553612	2.6308103e-39	3.8139365e-64	0.054839652
Q8BQ30	Ppp1r18	Phostensin	268.35	10.94	65630	6	0.0358423	1.348138476	0.13553612	4.5331868e-39	7.163987e-64	0.054839652
Q9CXF4	Tbc1d15	TBC1 domain family member 15	169.02	4.02	76527	3	0.03609488	2.078494358	0.13631068	7.7988688e-39	1.3443768e-63	0.05515305
Q9DBQ7	Scyl3	Protein-associating with the carboxyl-terminal domain of ezrin	38.24	1.5	81333	1	0.0362538	7.357021037	0.13667778	1.339594e-38	2.5154579e-63	0.055301584
A2AN08	Ubr4	E3 ubiquitin-protein ligase UBR4	309.76	1.31	572290	5	0.03628783	2.219892443	0.13667778	2.2973544e-38	4.6965577e-63	0.055301584
Q9CQJ2	Pih1d1	PIH1 domain-containing protein 1	83.14	10.69	32209	2	0.03646495	1.89456043	0.13716395	3.9336494e-38	8.7588724e-63	0.055498295
Q01405	Sec23a	Protein transport protein Sec23A	220.37	8.89	86162	4	0.03668994	2.103047886	0.13782866	6.7247452e-38	1.6297647e-62	0.055767244
P11438	Lamp1	Lysosome-associated membrane glycoprotein 1	538.1	18.72	43865	8	0.03705229	1.166319535	0.1388315	1.1478052e-37	3.0244733e-62	0.056173007
Q6P6S4	Sil1	Nucleotide exchange factor SIL1	49.28	1.72	52350	1	0.03705415	2.457252953	0.1388315	1.9560157e-37	5.5919294e-62	0.056173007
P47809	Map2k4	Dual specificity mitogen-activated protein kinase kinase 4	60.38	4.28	44114	1	0.03718528	1.782791091	0.1391402	3.3280354e-37	1.0329913e-61	0.056297909
Q9CYA0	Creld2	Cysteine-rich with EGF-like domain protein 2	150.97	12	38220	3	0.03724787	2.829022497	0.13919197	5.6534641e-37	1.9046531e-61	0.056318857
P16409	Myl3	Myosin light chain 3	92.24	12	22156	2	0.03738266	1.970710733	0.13951307	9.588531e-37	3.5071374e-61	0.056448777
Q64514	Tpp2	Tripeptidyl-peptidase 2	987.35	24.25	139879	19	0.03752324	1.601627505	0.13985491	1.6236779e-36	6.4456304e-61	0.056587089
Q60749	Khdrbs1	KH domain-containing, RNA-binding, signal transduction-associated protein 1	141.85	16.48	48371	4	0.03776413	0.751902132	0.14056923	2.7450972e-36	1.1823259e-60	0.056876114
Q9D338	Mrpl19	39S ribosomal protein L19, mitochondrial	249.54	15.07	33578	5	0.03790645	0.804453807	0.14091526	4.6336712e-36	2.162912e-60	0.05701612
P09528	Fth1	Ferritin heavy chain	51.69	3.85	21067	1	0.03803433	1.505713126	0.14099877	7.8091183e-36	3.9491368e-60	0.057049911
P12382	Pfk1	ATP-dependent 6-phosphofructokinase, liver type	754.16	21.67	85360	13	0.03805607	1.47055124	0.14099877	1.3139769e-35	7.1974295e-60	0.057049911
Q5U216	Ddx39a	ATP-dependent RNA helicase DDX39A	1069.77	50.12	49109	19	0.03810256	1.376261303	0.14099877	2.207405e-35	1.3104284e-59	0.057049911
P47754	Capza2	F-actin-capping protein subunit alpha-2	401.02	24.83	32967	7	0.03818559	1.406134161	0.14099877	3.7024101e-35	2.3830249e-59	0.057049911
Q62698	Dync1li2	Cytoplasmic dynein 1 light intermediate chain 2	284.19	13.08	54745	5	0.03822907	1.452767053	0.14099877	6.2000454e-35	4.3271749e-59	0.057049911

P58252	Eef2	Elongation factor 2	3752.25	61.07	95314	58	0.0382772	1.524523049	0.14099877	1.0366036e-34	7.8481947e-59	0.057049911
Q63413	Ddx39b	Spliceosome RNA helicase Ddx39b	1416.09	64.02	49035	24	0.03829357	1.261969543	0.14099877	1.7303646e-34	1.4217046e-58	0.057049911
Q62393	Tpd52	Tumor protein D52	191.8	16.07	24313	3	0.03840087	1.883210123	0.14099877	2.8838277e-34	2.5729151e-58	0.057049911
Q9WV85	Nme3	Nucleoside diphosphate kinase 3	75.17	10.06	19099	1	0.0384134	2.281036861	0.14099877	4.7985205e-34	4.6486342e-58	0.057049911
Q99K48	Nono	Non-POU domain-containing octamer-binding protein	1396.54	55.39	54541	25	0.03842278	0.754070805	0.14099877	7.9717085e-34	8.3909989e-58	0.057049911
P13020	Gsn	Gelsolin	1715.16	48.85	85942	27	0.03853502	1.365912964	0.1411139	1.322212e-33	1.5132114e-57	0.057096493
Q3UMB9	Washc4	WASH complex subunit 4	106.43	1.11	136370	2	0.03858686	2.472753307	0.1411139	2.1895559e-33	2.7242992e-57	0.057096493
B5DF89	Cul3	Cullin-3	174.39	9.51	88932	4	0.03862098	2.826804247	0.1411139	3.620061e-33	4.8986046e-57	0.057096493
Q8BV14	Qdpr	Dihydropteridine reductase	199.9	26.56	25570	4	0.0386828	1.632144203	0.1411139	5.9755825e-33	8.7984954e-57	0.057096493
O08553	Dpysl2	Dihydropyrimidinase-related protein 2	1562.05	53.5	62278	23	0.03870129	1.191981609	0.1411139	9.8480162e-33	1.5782475e-56	0.057096493
Q91YX0	Themis2	Protein THEMIS2	143.98	4.52	74378	2	0.03897686	1.806801444	0.14193741	1.6203955e-32	2.8281927e-56	0.057429695
P32233	Drg1	Developmentally-regulated GTP-binding protein 1	303.57	16.08	40512	5	0.03923894	1.548571108	0.14257588	2.6619304e-32	5.0536485e-56	0.057688028
P52633	Stat6	Signal transducer and transcription activator 6	124.14	4.06	93497	3	0.03925206	2.135317768	0.14257588	4.365916e-32	9.0056326e-56	0.057688028
Q5BJP6	Gfm2	Ribosome-releasing factor 2, mitochondrial	76.57	2.7	85914	2	0.03941526	1.941171833	0.14298674	7.1491876e-32	1.6032859e-55	0.057854271
Q6AXS5	Serbp1	Plasminogen activator inhibitor 1 RNA-binding protein	750.73	43.24	44754	14	0.03951473	1.492754673	0.1430867	1.1688002e-31	2.8486107e-55	0.057894712
Q91X52	Dcxr	L-xylulose reductase	44.07	4.51	25746	1	0.03955561	1.641702934	0.1430867	1.9077688e-31	5.0533426e-55	0.057894712
Q04447	Ckb	Creatine kinase B-type	1790.38	66.4	42713	25	0.03959317	1.513479652	0.1430867	3.1089427e-31	8.9542164e-55	0.057894712
Q2YDW2	Msto1	Protein misato homolog 1	135.72	5.22	61230	3	0.03967403	1.786682636	0.14319766	5.0582559e-31	1.5848549e-54	0.057939611
P62830	Rpl23	60S ribosomal protein L23	558.84	61.43	14865	9	0.03980129	1.264982526	0.14347562	8.2165524e-31	2.8011278e-54	0.058052078
P47713	Pla2g4a	Cytosolic phospholipase A2	290.87	10.56	85222	6	0.03986666	1.43684647	0.14353003	1.3325356e-30	4.9421813e-54	0.058074092
P07356	Anxa2	Annexin A2	1472.16	72.27	38676	26	0.04012568	0.824899479	0.14425306	2.1575853e-30	8.7083256e-54	0.058366638
Q9CPS7	Pno1	RNA-binding protein PNO1	292.98	38.31	27454	7	0.04017384	1.592975039	0.14425306	3.4878413e-30	1.5303928e-53	0.058366638
P37996	Arl3	ADP-ribosylation factor-like protein 3	191.8	25.82	20457	4	0.04021907	2.221767372	0.14425306	5.6291738e-30	2.6863093e-53	0.058366638
Q8VCN5	Cth	Cystathionine gamma-lyase	407.83	22.61	43567	7	0.04028802	1.528737481	0.14431908	9.0705041e-30	4.7098008e-53	0.058393349
Q91VU7	Pus7	Pseudouridylate synthase 7 homolog	118.04	6.52	74793	3	0.04041366	2.215728067	0.14449338	1.459206e-29	8.2465488e-53	0.058463874
Q9CQM5	Txndc17	Thioredoxin domain-containing protein 17	175.45	43.9	14015	5	0.04051021	1.92085276	0.14449338	2.3436883e-29	1.4414476e-52	0.058463874
Q61036	Pak3	Serine/threonine-protein kinase PAK 3	417.75	13.95	62398	7	0.04052632	1.633394334	0.14449338	3.7582074e-29	2.5157616e-52	0.058463874
O35343	Kpna4	Importin subunit alpha-3	216.89	7.1	57923	2	0.04053912	1.747565666	0.14449338	6.0167075e-29	4.3865173e-52	0.058463874
P83868	Ptges3	Prostaglandin E synthase 3	99.75	18.75	18721	2	0.04071934	1.7940601	0.14495477	9.616874e-29	7.6411517e-52	0.058650557
Q7M0E3	Dstn	Destrin	579.56	56.36	18534	10	0.04117704	1.319754244	0.14629103	1.5346362e-28	1.3283112e-51	0.059191227
Q6R5N8	Tlr13	Toll-like receptor 13	197.08	5.95	114443	4	0.04119719	1.914494797	0.14629103	2.4449672e-28	2.3001233e-51	0.059191227
Q61656	Ddx5	Probable ATP-dependent RNA helicase DDX5	1979.67	53.58	69290	35	0.0412524	1.141456585	0.14630508	3.8889856e-28	3.9790029e-51	0.059196913
Q8CGC7	Eprs	Bifunctional glutamate/proline--tRNA ligase	2295.82	34.06	170079	37	0.04137631	1.234981039	0.14647731	6.1758244e-28	6.8749397e-51	0.059266597
P70677	Casp3	Caspase-3	354.9	25.63	31475	6	0.04140357	1.581020251	0.14647731	9.7914824e-28	1.1858792e-50	0.059266597
Q8BVE3	Atp6v1h	V-type proton ATPase subunit H	268.1	13.04	55855	5	0.04146795	1.366607195	0.14652353	1.5498743e-27	2.0434467e-50	0.059285298
Q91V12	Acot7	Cytosolic acyl coenzyme A thioester hydrolase	406.28	29.66	42537	8	0.04156825	1.590833117	0.1466563	2.449281e-27	3.5166766e-50	0.059339022
Q80ZK0	Mtprs10	28S ribosomal protein S10, mitochondrial	48.64	11.25	18698	1	0.04160827	1.592797033	0.1466563	3.8643323e-27	6.0429269e-50	0.059339022
Q8VEE0	Rpe	Ribulose-phosphate 3-epimerase	100.14	8.33	24945	1	0.0417586	2.778025976	0.14700469	6.0870049e-27	1.0372359e-49	0.059479982
Q9DCB8	Isca2	Iron-sulfur cluster assembly 2 homolog, mitochondrial	99.04	20.78	16718	2	0.04202003	2.807446657	0.14774286	9.5725085e-27	1.7771155e-49	0.059778654
O35887	Calu	Calumenin	154.25	18.73	37064	3	0.04208812	1.933088652	0.14780022	1.5029357e-26	3.0370905e-49	0.059801865
Q922Y1	Ubxn1	UBX domain-containing protein 1	308.68	19.53	33573	5	0.04215537	1.895553703	0.14785451	2.3558474e-26	5.1837147e-49	0.059823833
P21107	Tpm3	Tropomyosin alpha-3 chain	568.34	22.46	32994	10	0.04228981	1.816894973	0.14796849	3.6867665e-26	8.8362568e-49	0.059869948
Q5FWK3	Arhgap1	Rho GTPase-activating protein 1	140.86	7.06	50411	2	0.04229152	9.597079275	0.14796849	5.7601717e-26	1.5036836e-48	0.059869948
P58681	Tlr7	Toll-like receptor 7	118.74	2.29	121837	2	0.04239818	2.610406782	0.1481601	8.98496e-26	2.556631e-48	0.059947477
Q00519	Xdh	Xanthine dehydrogenase/oxidase	738.76	15.43	146562	13	0.04245798	1.358740684	0.14818769	1.3992244e-25	4.3402777e-48	0.059958641
Q9CR95	Necap1	Adaptin ear-binding coat-associated protein 1	132.55	17.45	29639	2	0.04261839	1.824465749	0.14820877	2.1754481e-25	7.3592331e-48	0.059967168
P54276	Msh6	DNA mismatch repair protein Msh6	104.05	2.5	151084	2	0.04266101	2.287062593	0.14820877	3.3767568e-25	1.2454975e-47	0.059967168
Q8CCCH2	Nhlrc3	NHL repeat-containing protein 3	379.18	26.8	38195	6	0.0426643	1.572714598	0.14820877	5.2328723e-25	2.1055533e-47	0.059967168
Q9Z2U1	Psma5	Proteasome subunit alpha type-5	578.05	47.72	26411	8	0.04267167	1.449506859	0.14820877	8.0959792e-25	3.5563742e-47	0.059967168
Q9DBC7	Prkar1a	cAMP-dependent protein kinase type I-alpha regulatory subunit	449.12	22.57	43185	8	0.04283384	1.460675223	0.14849892	1.2505099e-24	6.0014282e-47	0.060084567
P70697	Urod	Uroporphyrinogen decarboxylase	325.71	25.89	40692	6	0.0428773	1.292094312	0.14849892	1.9283814e-24	1.0108707e-46	0.060084567

P17182	Eno1	Alpha-enolase	2960.96	79.26	47141	39	0.04291125	1.44789491	0.14849892	2.9688374e-24	1.700775e-46	0.060084567
Q6NSR8	Npepl1	Probable aminopeptidase NPEPL1	286.72	11.83	55940	5	0.04296953	2.031500998	0.14852058	4.5631754e-24	2.8584668e-46	0.060093333
Q6AYT3	Rtcb	tRNA-splicing ligase RtcB homolog	415.91	23.56	55249	9	0.04304905	1.572700866	0.14861553	7.0022041e-24	4.7983291e-46	0.060131751
P61087	Ube2k	Ubiquitin-conjugating enzyme E2 K	373.07	50.5	22407	7	0.04351856	1.655771364	0.14999981	1.072726e-23	8.0438114e-46	0.060691845
P20611	Acp2	Lysosomal acid phosphatase	119.29	4.49	48320	2	0.04364179	2.476270316	0.14999981	1.6406988e-23	1.3434957e-45	0.060691845
P63245	Rack1	Receptor of activated protein C kinase 1	1567.29	81.07	35077	26	0.04371634	1.456658379	0.14999981	2.5052701e-23	2.24037e-45	0.060691845
Q4KM92	Pus1	tRNA pseudouridine synthase A	56.88	2.36	47515	1	0.04372878	2.020361068	0.14999981	3.8191388e-23	3.7311156e-45	0.060691845
P63168	Dynl1	Dynein light chain 1, cytoplasmic	36.26	12.36	10366	1	0.04376004	1.750324181	0.14999981	5.8124753e-23	6.2080088e-45	0.060691845
Q9CZ30	Ola1	Obg-like ATPase 1	564.72	28.03	44730	9	0.04379448	1.74518376	0.14999981	8.8316362e-23	1.0318385e-44	0.060691845
Q9ER72	Cars	Cysteine--tRNA ligase, cytoplasmic	507.15	14.56	94860	9	0.04383337	1.864716118	0.14999981	1.3396927e-22	1.713201e-44	0.060691845
P80316	Cct5	T-complex protein 1 subunit epsilon	1538.34	51.2	59624	25	0.04387035	1.459222024	0.14999981	2.0288631e-22	2.8413865e-44	0.060691845
Q9D706	Rpap3	RNA polymerase II-associated protein 3	131.8	4.39	74096	2	0.04398423	2.189174219	0.15020932	3.067492e-22	4.7074114e-44	0.060776617
Q09200	B4galnt1	Beta-1,4 N-acetylgalactosaminyltransferase 1	113.11	9.94	59212	3	0.04420314	0.718873137	0.15077653	4.630169e-22	7.7869864e-44	0.061006116
Q9Z0G0	Gipc1	PDZ domain-containing protein GIPC1	108.48	8.71	36129	2	0.04444258	2.759900961	0.15141237	6.9773826e-22	1.2853764e-43	0.061263387
P84228	Hist1h3b	Histone H3.2	804.84	61.76	15388	11	0.04458144	0.39974697	0.15162398	1.0497119e-21	2.116989e-43	0.061349008
Q3UM45	Ppp1r7	Protein phosphatase 1 regulatory subunit 7	1027.28	55.12	41292	17	0.04461091	1.95425902	0.15162398	1.5766277e-21	3.4808736e-43	0.061349008
Q6PCT3	Tpd52l2	Tumor protein D54	361.36	32.73	23992	6	0.04476269	3.412201994	0.15195895	2.3641184e-21	5.7175592e-43	0.061484538
Q9EST4	Psmg2	Proteasome assembly chaperone 2	145.19	10.98	29524	4	0.0449341	2.181107472	0.1522159	3.5390761e-21	9.375294e-43	0.061588504
Q61210	Arhgef1	Rho guanine nucleotide exchange factor 1	523.33	12.83	102805	9	0.04494501	1.301702031	0.1522159	5.2892098e-21	1.5344948e-42	0.061588504
Q62084	Ppp1r14b	Protein phosphatase 1 regulatory subunit 14B	43.38	17.01	15957	1	0.04511261	1.936415556	0.15248347	7.8917163e-21	2.5092567e-42	0.061696768
P12970	Rpl7a	60S ribosomal protein L7a	1176.68	53.76	29977	20	0.045144	1.320668753	0.15248347	1.175524e-20	4.0958424e-42	0.061696768
Q91VD9	Ndufs1	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	703.16	25.45	79777	15	0.04526031	0.846885175	0.15248347	1.7481168e-20	6.6786841e-42	0.061696768
P48758	Cbr1	Carbonyl reductase [NADPH] 1	218.57	23.1	30641	6	0.04529502	1.722427533	0.15248347	2.595302e-20	1.087385e-41	0.061696768
Q3TIU4	Pde12	2',5'-phosphodiesterase 12	76.18	4.11	67514	2	0.04533644	2.056323192	0.15248347	3.846657e-20	1.7685495e-41	0.061696768
P30999	Ctnnd1	Catenin delta-1	200.81	6.18	104925	5	0.04534447	2.748995796	0.15248347	5.6918924e-20	2.8732671e-41	0.061696768
Q9D2Y4	Mlkl	Mixed lineage kinase domain-like protein	67.31	2.97	54317	1	0.0454153	1.726567481	0.15254199	8.4082796e-20	4.6637886e-41	0.061720445
P29595	Nedd8	NEDD8	173.17	41.98	8972	3	0.04614172	1.660406996	0.15425436	1.2400364e-19	7.5605885e-41	0.062413294
Q5XI13	Grwd1	Glutamate-rich WD repeat-containing protein 1	82.53	6.74	49169	2	0.04625158	1.744869727	0.15425436	1.8257364e-19	1.2197924e-40	0.062413294
Q99J09	Wdr77	Methylosome protein 50	124.01	11.4	36943	3	0.04626939	1.958630481	0.15425436	2.6835996e-19	1.9651167e-40	0.062413294
Q9DBR1	Xrn2	5'-3' exoribonuclease 2	869.56	21.14	108687	16	0.04636489	1.182641771	0.15425436	3.9379744e-19	3.1628392e-40	0.062413294
P23514	Copb1	Coatamer subunit beta	657.7	17.52	107011	13	0.04642483	1.762064478	0.15425436	5.7690349e-19	5.083607e-40	0.062413294
Q9JK81	Myg1	UPF0160 protein MYG1, mitochondrial	436.13	21.32	42723	7	0.04646068	1.591147986	0.15425436	8.4373901e-19	8.1612266e-40	0.062413294
Q9CY14	Luc7l	Putative RNA-binding protein Luc7-like 1	135.46	7.82	43934	3	0.04647774	1.419404529	0.15425436	1.2319338e-18	1.3088284e-39	0.062413294
P17047	Lamp2	Lysosome-associated membrane glycoprotein 2	373.35	14.46	45681	7	0.04649744	1.47884357	0.15425436	1.7957274e-18	2.09699e-39	0.062413294
Q9CQM9	Glxr3	Glutaredoxin-3	479.38	30.56	37778	8	0.04651796	1.381450288	0.15425436	2.6131652e-18	3.356522e-39	0.062413294
Q8C0E2	Vps26b	Vacuolar protein sorting-associated protein 26B	159.01	9.23	39125	3	0.04654577	1.786911594	0.15425436	3.7963505e-18	5.3673456e-39	0.062413294
Q9EQ80	Nif3l1	NIF3-like protein 1	368.02	19.95	41746	7	0.04655195	1.666720587	0.15425436	5.5060262e-18	8.574113e-39	0.062413294
Q9ER81	Tor1aip2	Torsin-1A-interacting protein 2, isoform IFRG15	61.39	10.69	15278	1	0.04659876	1.750912823	0.15425436	7.9722768e-18	1.3684434e-38	0.062413294
P60122	Ruvb1l	RuvB-like 1	962.43	46.05	50214	17	0.04664156	1.196088929	0.15425436	1.1523865e-17	2.1816227e-38	0.062413294
P62082	Rps7	40S ribosomal protein S7	473.09	40.21	22127	9	0.04673078	1.28179053	0.15425436	1.662973e-17	3.4742124e-38	0.062413294
Q8K183	Pdxk	Pyridoxal kinase	258.76	17.31	35015	5	0.04673556	2.122187282	0.15425436	2.3957586e-17	5.5252561e-38	0.062413294
Q9CPT4	Mydgf	Myeloid-derived growth factor	112.19	16.27	17982	2	0.04700819	2.159575484	0.15497502	3.4456513e-17	8.7792461e-38	0.062704882
Q62418	Dbnl	Drebrin-like protein	700.57	32.34	48700	10	0.047234	1.309333036	0.15506931	4.9473149e-17	1.3917882e-37	0.062743031
P35564	Canx	Calnexin	1249.29	39.09	67278	21	0.04724129	0.836420154	0.15506931	7.0914872e-17	2.2019612e-37	0.062743031
Q99L47	St13	Hsc70-interacting protein	396.37	22.64	41656	8	0.04734371	1.60315235	0.15506931	1.0147854e-16	3.4805757e-37	0.062743031
P97376	Frg1	Protein FRG1	73.39	5.04	29127	1	0.04734874	1.716504659	0.15506931	1.4497054e-16	5.4939888e-37	0.062743031
Q91YE6	Ipo9	Importin-9	336.01	8.84	116052	7	0.04737175	1.522953766	0.15506931	2.0675383e-16	8.6642963e-37	0.062743031
O08810	Eftud2	116 kDa U5 small nuclear ribonucleoprotein component	933.4	25.23	109361	19	0.04745569	1.498695761	0.15506931	2.943711e-16	1.3650465e-36	0.062743031
P70248	Myo1f	Unconventional myosin-1f	294.48	6.01	125947	7	0.04749891	1.542011702	0.15506931	4.1841204e-16	2.1478158e-36	0.062743031
P54726	Rad23a	UV excision repair protein RAD23 homolog A	282.73	20.66	39706	4	0.04754148	1.870938269	0.15506931	5.9371787e-16	3.3757527e-36	0.062743031
P99027	Rplp2	60S acidic ribosomal protein P2	263.26	62.61	11651	3	0.04754787	1.828150087	0.15506931	8.4105151e-16	5.2999196e-36	0.062743031

P63328	Ppp3ca	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform	374.49	16.51	58644	7	0.04757993	1.483485546	0.15506931	1.1894088e-15	8.3132428e-36	0.062743031
P62852	Rps25	40S ribosomal protein S25	299.9	29.6	13742	5	0.0476889	1.55594781	0.1552021	1.6792114e-15	1.3026209e-35	0.062796761
Q3U1J4	Ddb1	DNA damage-binding protein 1	1471.32	31.49	126853	28	0.0477294	1.286665768	0.1552021	2.3667089e-15	2.0382001e-35	0.062796761
P53564	Cux1	Homeobox protein cut-like 1	56.26	0.59	165596	1	0.04781955	4.90156058	0.15531833	3.3300372e-15	3.185691e-35	0.062843787
P61027	Rab10	Ras-related protein Rab-10	504.11	34	22541	8	0.0482625	0.619717495	0.15647422	4.6775421e-15	4.9725891e-35	0.063311478
D3ZZW6	Hils1	Spermatid-specific linker histone H1-like protein	37.27	4.14	18617	1	0.04828504	1.975916751	0.15647422	6.5591908e-15	7.7382132e-35	0.063311478
Q91ZX7	Lrp1	Prolow-density lipoprotein receptor-related protein 1	6453.88	32.48	504742	109	0.04853226	0.736777785	0.15709706	9.182191e-15	1.2030068e-34	0.063563484
Q91ZR2	Snx18	Sorting nexin-18	184.15	8.63	67904	4	0.04860602	1.265927395	0.15715764	1.2832328e-14	1.8663621e-34	0.063587998
P17095	Hmga1	High mobility group protein HMG-I/HMG-Y	98.23	23.36	11614	2	0.04871008	0.733217113	0.1572246	1.7903059e-14	2.8919293e-34	0.063615088
O54950	Prkag1	5'-AMP-activated protein kinase subunit gamma-1	155.82	13.33	37520	3	0.04873687	1.820035084	0.1572246	2.4935108e-14	4.4748766e-34	0.063615088
O88531	Ppt1	Palmitoyl-protein thioesterase 1	424.97	23.86	34490	6	0.04885753	1.456761241	0.15743594	3.4670255e-14	6.9172843e-34	0.0637006
Q9WUK4	Rfc2	Replication factor C subunit 2	65.54	4.87	38725	2	0.04920598	2.270102051	0.1583059	4.8124274e-14	1.0677225e-33	0.064052599
Q05D44	Eif5b	Eukaryotic translation initiation factor 5B	662.45	18.83	137616	14	0.0492384	1.600624803	0.1583059	6.6685632e-14	1.6439462e-33	0.064052599
Q99020	Hnmpab	Heterogeneous nuclear ribonucleoprotein A/B	674.26	35.09	30831	13	0.04944577	0.671898034	0.15865692	9.2248827e-14	2.528534e-33	0.064194623
B0BNG0	Emc2	ER membrane protein complex subunit 2	242.95	17.51	34870	5	0.04945872	1.424028623	0.15865692	1.2739416e-13	3.8819447e-33	0.064194623
Q8R1B4	Eif3c	Eukaryotic translation initiation factor 3 subunit C	910.54	18.22	105531	16	0.04958901	1.406820809	0.15889631	1.7562964e-13	5.9541741e-33	0.064291486
Q62885	Unc119	Protein unc-119 homolog A	107.48	9.17	27048	2	0.04988146	2.155063702	0.15965422	2.4171597e-13	9.119063e-33	0.064598144
Q8BP40	Acp6	Lysophosphatidic acid phosphatase type 6	274.33	20.33	47625	6	0.04999409	1.341226956	0.15983552	3.3210213e-13	1.3935274e-32	0.064671502