

Supplementary Table 3: list of proteins which abundance is significantly modified in response to cell exposure to 1 micrometer 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 1 μm	Ratio 1μm/ctrl	B-I	SGoF+	SFisher	Q-value
Q9WU78	Pdcd6ip	Programmed cell death 6-interacting protein	1129.38	31.07	96024	17	8.0088E-07	1.61100723	0.0022865056	0	0	0.00085946485
Q9JKF1	Iqgap1	Ras GTPase-activating-like protein IQGAP1	4641.94	51.84	188742	74	3.2205E-06	1.7360297	0.004597332	0	0	0.0017280715
P56399	Usp5	Ubiquitin carboxyl-terminal hydrolase 5	1049.75	30.42	95833	19	1.2742E-05	1.70188276	0.0094435303	0	0	0.0035496884
Q8VVDJ3	Hdlbp	Vigilin	1815.6	30.21	141743	31	1.5877E-05	1.55190654	0.0094435303	0	0	0.0035496884
Q8BMT8	Flna	Filamin-A	4874.93	41.48	281222	76	1.9165E-05	1.97347942	0.0094435303	0	0	0.0035496884
P62192	Psmc1	26S proteasome regulatory subunit 4	390.91	17.05	49185	7	2.1103E-05	1.73080218	0.0094435303	0	0	0.0035496884
Q1HFZ0	Nsun2	tRNA (cytosine(34)-C(5))-methyltransferase	493	18.49	85452	10	2.5119E-05	2.27331095	0.0094435303	0	0	0.0035496884
Q61074	Ppm1g	Protein phosphatase 1G	272.87	11.25	58728	5	3.6924E-05	1.82391014	0.0094435303	0	0	0.0035496884
Q8R491	Ehd3	EH domain-containing protein 3	345.1	13.08	60791	7	3.7739E-05	2.20563171	0.0094435303	0	0	0.0035496884
Q71LX4	Tln2	Talin-2	594.96	3.75	253621	10	3.9602E-05	1.79939452	0.0094435303	0	0	0.0035496884
Q5PPK9	Eipr1	EARP and GARP complex-interacting protein 1	38.64	3.37	43157	1	4.5395E-05	24.4642068	0.0094435303	0	0	0.0035496884
Q5BJY6	Amdhd2	N-acetylglucosamine-6-phosphate deacetylase	148.98	8.31	43539	3	4.7918E-05	2.24541275	0.0094435303	0	0	0.0035496884
P61982	Ywhag	14-3-3 protein gamma	778.16	50.2	28303	14	5.5187E-05	3.30040113	0.0094435303	0	0	0.0035496884
F1LMZ8	Psmd11	26S proteasome non-ATPase regulatory subunit 11	740.08	34.36	47464	14	5.5729E-05	1.96156574	0.0094435303	0	0	0.0035496884
B2RQC6	Cad	CAD protein	1068.65	13.98	243238	23	5.5793E-05	1.95505877	0.0094435303	0	0	0.0035496884
Q5FVC2	Arhgef2	Rho guanine nucleotide exchange factor 2	452.36	11.37	111909	8	5.9712E-05	1.43892932	0.0094435303	0	0	0.0035496884
Q4KM73	Cmpk1	UMP-CMP kinase	380.87	47.45	22169	8	6.1307E-05	2.01510611	0.0094435303	0	0	0.0035496884
P68254	Ywhaq	14-3-3 protein theta	757.04	44.08	27778	12	6.3998E-05	3.97172384	0.0094435303	0	0	0.0035496884
Q9QXS1	Plec	Plectin	7877.069	38.39	534188	147	6.4825E-05	1.56663553	0.0094435303	0	0	0.0035496884
Q6A0A9	FAM120A	Constitutive coactivator of PPAR-gamma-like protein 1	371.15	9.71	121646	8	6.7606E-05	1.52395975	0.0094435303	0	0	0.0035496884
P63101	Ywhaz	14-3-3 protein zeta/delta	956.45	48.98	27771	14	7.388E-05	2.84336312	0.0094435303	0	0	0.0035496884
Q9CQV8	Ywhab	14-3-3 protein beta/alpha	847.91	48.37	28086	13	7.4442E-05	3.74242923	0.0094435303	0	0	0.0035496884
P68510	Ywhah	14-3-3 protein eta	540.26	32.52	28212	10	8.3016E-05	4.21242647	0.0094435303	0	0	0.0035496884
P11103	Parp1	Poly [ADP-ribose] polymerase 1	976.93	25.77	113100	18	8.5782E-05	1.64702984	0.0094435303	0	0	0.0035496884
O70456	Sfn	14-3-3 protein sigma	158.96	12.1	27706	4	9.1009E-05	4.86969911	0.0094435303	0	0	0.0035496884
Q6NZJ6	Eif4g1	Eukaryotic translation initiation factor 4 gamma 1	1620.48	22.81	176077	29	9.132E-05	1.81331346	0.0094435303	0	0	0.0035496884
Q91VR5	Ddx1	ATP-dependent RNA helicase DDX1	905.19	31.76	82500	16	9.1546E-05	1.8950926	0.0094435303	0	0	0.0035496884
Q8BKZ9	Pdhx	Pyruvate dehydrogenase protein X component, mitochondrial	104.79	3.39	53999	2	9.2616E-05	3.68147038	0.0094435303	0	0	0.0035496884
A2AIV8	Card9	Caspase recruitment domain-containing protein 9	50.62	1.87	62462	1	0.00011003	7.03379854	0.010832383	0	0	0.0040717382
Q9EQP2	Ehd4	EH domain-containing protein 4	849.75	35.86	61481	17	0.00011797	2.09590951	0.011226423	0	0	0.0042198523
P52293	Kpna2	Importin subunit alpha-1	1311.19	44.99	57928	19	0.00013263	1.52844409	0.011862522	0	0	0.0044589529
Q9CZD3	Gars	Glycine--tRNA ligase	1137.19	32.92	81878	21	0.00013296	2.07370076	0.011862522	0	0	0.0044589529
Q9D8T2	Gsdmcd1	Gasdermin-D	125.87	7.19	53238	3	0.00013879	2.2915925	0.011888679	0	0	0.0044687849
Q8BJY1	Psmd5	26S proteasome non-ATPase regulatory subunit 5	296.7	19.64	55972	7	0.00014158	2.84498042	0.011888679	0	0	0.0044687849
Q6P542	Abcf1	ATP-binding cassette sub-family F member 1	418.04	13.62	94945	8	0.00015925	1.77599128	0.012990497	0	0	0.0048829427
Q9JMA1	Usp14	Ubiquitin carboxyl-terminal hydrolase 14	1176.23	50.71	56002	20	0.00016632	2.13344111	0.013190419	0	0	0.0049580905
Q617R3	Isoc1	Isochorismatase domain-containing protein 1	115.24	8.42	32002	2	0.00017291	2.64186375	0.013342007	0	0	0.0050150702
Q9CR16	Ppid	Peptidyl-prolyl cis-trans isomerase D	365.23	17.3	40743	6	0.00019022	2.59762394	0.014291605	0	0	0.0053720105
P26039	Tln1	Talin-1	6208.992	49.82	269821	91	0.00019566	1.65167869	0.014323583	0	0	0.0053840307
P62334	Psmc6	26S proteasome regulatory subunit 10B	593.05	30.85	44173	10	0.00021547	2.31903171	0.014577742	0	0	0.0054795652
Q00422	Gabpa	GA-binding protein alpha chain	82.78	3.96	51344	2	0.00021839	3.40862091	0.014577742	0	0	0.0054795652
Q3UIA2	Arhgap17	Rho GTPase-activating protein 17	126.71	2.6	92202	2	0.00021863	1.69824467	0.014577742	0	0	0.0054795652
P42225	Stat1	Signal transducer and activator of transcription 1	206.83	6.54	87197	3	0.00021956	4.11852707	0.014577742	0	0	0.0054795652
P99029	Prdx5	Peroxisome oxidin-5, mitochondrial	730.88	57.14	21897	12	0.00023207	2.03440323	0.014733908	0	0	0.0055382659
Q9ZIQ9	Vars	Valine--tRNA ligase	2117.74	37.53	140215	37	0.00023223	1.91381929	0.014733908	0	0	0.0055382659
Q9ESH6	Glrx	Glutaredoxin-1	107.14	29.91	11879	3	0.00024223	2.32907707	0.015034112	0	0	0.0056511084
P49962	Srp9	Signal recognition particle 9 kDa protein	44.99	12.79	10194	1	0.00024891	4.88468117	0.015120233	0	0	0.00568348
Q9CQM9	Glrx3	Glutaredoxin-3	479.38	30.56	37778	8	0.00026678	2.03046773	0.015478635	0	0	0.0058181982
Q9CYR6	Pgm3	Phosphoacetylglucosamine mutase	43.72	1.48	59453	1	0.00027476	6.45273758	0.015478635	0	0	0.0058181982
Q9CZY3	Ube2v1	Ubiquitin-conjugating enzyme E2 variant 1	398.85	36.05	16355	7	0.00027511	1.97070951	0.015478635	0	0	0.0058181982

Q1AAU6	Asap1	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1	158.6	5.42	127088	3	0.00028003	2.36742577	0.015478635	0	0	0.0058181982
P59328	Wdhd1	WD repeat and HMG-box DNA-binding protein 1	159.33	4.3	124254	5	0.00028523	1.38040641	0.015478635	0	0	0.0058181982
Q61510	Trim25	E3 ubiquitin/ISG15 ligase TRIM25	236.25	8.68	71726	4	0.00028734	2.75031349	0.015478635	0	0	0.0058181982
Q8CFI2	Cdc34	Ubiquitin-conjugating enzyme E2 R1	34.63	2.98	26622	1	0.00030189	5.87799363	0.015716278	0	0	0.005907525
Q91YI0	Asl	Argininosuccinate lyase	446.52	23.28	51739	9	0.00030277	2.74060914	0.015716278	0	0	0.005907525
Q8CGF7	Tcerg1	Transcription elongation regulator 1	350.65	7.18	123788	7	0.00031221	1.93553296	0.015917363	0	0	0.0059831098
Q6P5F9	Xpo1	Exportin-1	608.3	12.23	123093	10	0.0003203	1.85073594	0.01596244	0	0	0.0060000537
Q61749	Eif2b4	Translation initiation factor eIF-2B subunit delta	211.27	9.92	57624	4	0.00032428	2.92507375	0.01596244	0	0	0.0060000537
P19096	Fasn	Fatty acid synthase	3753.07	37.9	272428	67	0.00033215	1.95658651	0.01607259	0	0	0.0060414573
Q69ZK0	Prex1	Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein	571.72	11.03	184935	13	0.00035493	2.49278647	0.016475138	0	0	0.0061927694
Q8JZK9	Hmgcs1	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	388.81	21.54	57569	7	0.0003623	3.08209764	0.016475138	0	0	0.0061927694
Q8BML9	Qars	Glutamine--tRNA ligase	806.47	29.68	87677	18	0.00036798	1.68521947	0.016475138	0	0	0.0061927694
Q99KC8	Vwa5a	von Willebrand factor A domain-containing protein 5A	1687.11	45.4	87143	28	0.00037269	1.68486842	0.016475138	0	0	0.0061927694
Q9R0P3	Esd	S-formylglutathione hydrolase	950.34	68.44	31320	14	0.00037422	1.67526692	0.016475138	0	0	0.0061927694
P0DP26	Calm1	Calmodulin-1	342.27	70.47	16838	5	0.00037835	3.40823433	0.016475138	0	0	0.0061927694
P70168	Kpnb1	Importin subunit beta-1	895.81	21.92	97184	16	0.00038455	1.38496811	0.016475138	0	0	0.0061927694
Q9DBC7	Prkar1a	cAMP-dependent protein kinase type I-alpha regulatory subunit	449.12	22.57	43185	8	0.00038663	1.63937819	0.016475138	0	0	0.0061927694
Q2PQA9	Kif5b	Kinesin-1 heavy chain	638.44	14.43	109531	10	0.00040319	2.43308373	0.016852468	0	0	0.0063346025
Q8BL66	Eea1	Early endosome antigen 1	586.06	10.84	160915	12	0.00040729	1.82991378	0.016852468	0	0	0.0063346025
P97386	Lig3	DNA ligase 3	45.7	0.99	113072	1	0.0004214	4.8856587	0.01718701	0	0	0.0064603519
Q9Z1G3	Atp6v1c1	V-type proton ATPase subunit C 1	516.22	26.18	43888	9	0.00043125	2.47400422	0.017341302	0	0	0.0065183482
Q641Z6	Ehd1	EH domain-containing protein 1	685.35	33.52	60603	13	0.00045043	1.9894657	0.017598298	0	0	0.0066149495
P46471	Psmc2	26S proteasome regulatory subunit 7	958.45	38.11	48648	16	0.00045676	1.59143158	0.017598298	0	0	0.0066149495
P17426	Ap2a1	AP-2 complex subunit alpha-1	767.87	23.64	107664	16	0.00048271	1.73992127	0.017598298	0	0	0.0066149495
P23591	Tsta3	GDP-L-fucose synthase	206.47	14.02	35878	4	0.00049312	4.19257283	0.017598298	0	0	0.0066149495
Q8BPU7	Elmo1	Engulfment and cell motility protein 1	219.22	11.69	83936	6	0.00049949	3.49749669	0.017598298	0	0	0.0066149495
P27546	Map4	Microtubule-associated protein 4	602.92	22.04	117429	15	0.00049979	1.73199516	0.017598298	0	0	0.0066149495
Q91XU1	Qki	Protein quaking	278.1	23.17	37643	5	0.00050254	1.5186154	0.017598298	0	0	0.0066149495
Q9D2V7	Coro7	Coronin-7	438.61	16.49	100812	9	0.00050504	1.89814402	0.017598298	0	0	0.0066149495
P45377	Akr1b8	Aldose reductase-related protein 2	863.46	55.7	36121	15	0.0005125	1.52763578	0.017598298	0	0	0.0066149495
O70199	Ugdh	UDP-glucose 6-dehydrogenase	51.94	1.83	54892	1	0.00051761	5.49470452	0.017598298	0	0	0.0066149495
P10518	Alad	Delta-aminolevulinic acid dehydratase	433.91	32.12	36024	7	0.00051783	2.68312291	0.017598298	0	0	0.0066149495
O35127	Grc10	Protein C10	38.07	14.29	13194	1	0.0005245	12.1591855	0.017598298	0	0	0.0066149495
Q9D2M8	Ube2v2	Ubiquitin-conjugating enzyme E2 variant 2	408.32	41.38	16367	8	0.00053926	2.0664603	0.017598298	0	0	0.0066149495
P54822	Adsl	Adenylosuccinate lyase	755.65	37.4	54866	12	0.00054216	1.92710433	0.017598298	0	0	0.0066149495
P02802	Mt1	Metallothionein-1	108.88	55.74	6018	2	0.00054754	2.68204055	0.017598298	0	0	0.0066149495
B0BN93	Psm13	26S proteasome non-ATPase regulatory subunit 13	355.53	21.01	42817	8	0.00054823	3.0741462	0.017598298	0	0	0.0066149495
Q64105	Spr	Sepiapterin reductase	763.56	59.39	27883	12	0.0005578	2.0902804	0.017598298	0	0	0.0066149495
Q3U5F4	Yrdc	YrdC domain-containing protein, mitochondrial	54.49	5	29454	1	0.00056143	16.8445368	0.017598298	0	0	0.0066149495
P20171	Hras	GTPase HRas	171.62	20.11	21298	3	0.00056221	0.58207744	0.017598298	0	0	0.0066149495
Q3UZ39	Lrrfp1	Leucine-rich repeat flightless-interacting protein 1	647.42	24.69	79249	12	0.00056818	1.71517977	0.017598298	0	0	0.0066149495
Q8BUM3	Ptpn7	Tyrosine-protein phosphatase non-receptor type 7	112.28	8.91	40351	2	0.00057152	3.38434311	0.017598298	0	0	0.0066149495
Q9CYG7	Tomm34	Mitochondrial import receptor subunit TOM34	300.82	26.54	34278	6	0.00057325	1.64963674	0.017598298	0	0	0.0066149495
Q61879	Myh10	Myosin-10	1022.24	10.12	228996	19	0.00059234	1.61552388	0.017990695	0	0	0.0067624456
Q6P5H2	Nes	Nestin	2852.46	35.3	207124	39	0.00060177	1.85194328	0.018051892	0	0	0.0067854489
Q8BFT2	Haus4	HAUS augmin-like complex subunit 4	40.47	7.16	42197	1	0.00060917	8.23616149	0.018051892	0	0	0.0067854489
B2RRE7	Otud4	OTU domain-containing protein 4	91.01	2.08	123055	2	0.00061332	7.84664184	0.018051892	0	0	0.0067854489
P62259	Ywhae	14-3-3 protein epsilon	1078.54	63.92	29174	19	0.00064385	2.28970962	0.018524103	0	0	0.0069629461
O35344	Kpna3	Importin subunit alpha-4	219.47	9.21	57773	3	0.00064438	1.86730798	0.018524103	0	0	0.0069629461
Q8R3C0	Mcmbp	Mini-chromosome maintenance complex-binding protein	370.98	17.45	72891	7	0.00064883	2.26161631	0.018524103	0	0	0.0069629461
P29391	Ftl1	Ferritin light chain 1	538.2	49.18	20802	9	0.00067923	1.8660712	0.019200152	0	0	0.0072170634

Q0VGB7	Ppp4r2	Serine/threonine-protein phosphatase 4 regulatory subunit 2	329.21	20.62	46479	6	0.00069505	1.65967756	0.019219198	0	0	0.0072242223
Q64152	Btf3	Transcription factor BTF3	627.07	41.67	22031	9	0.00070093	1.83701155	0.019219198	0	0	0.0072242223
Q5DW34	Ehmt1	Histone-lysine N-methyltransferase EHMT1	52.54	1.16	141999	1	0.00070432	4.41796394	0.019219198	0	0	0.0072242223
O88746	Tom1	Target of Myb protein 1	302.76	17.68	54325	6	0.00070974	2.0229722	0.019219198	0	0	0.0072242223
P56477	Irf5	Interferon regulatory factor 5	205.02	14.08	56005	4	0.00071357	3.23915843	0.019219198	0	0	0.0072242223
Q9D7A6	Srp19	Signal recognition particle 19 kDa protein	132.76	18.06	16191	2	0.00079687	3.1305094	0.021262361	0	0	0.0079922182
Q924C1	Xpo5	Exportin-5	293.84	6.64	136973	6	0.00081399	4.16114196	0.021517869	0	0	0.00808826
Q8BGQ7	Aars	Alanine--tRNA ligase, cytoplasmic	1526.94	40.19	106909	26	0.0008503	1.88856684	0.022271649	0	0	0.0083715955
Q9CZ04	Cops7a	COP9 signalosome complex subunit 7a	282.99	19.64	30224	4	0.00087024	2.03046402	0.022411729	0	0	0.0084242492
Q3THK7	Gmps	GMP synthase [glutamine-hydrolyzing]	1087.14	43.43	76723	20	0.00087572	2.16898576	0.022411729	0	0	0.0084242492
Q80TY0	Fnbp1	Formin-binding protein 1	434.16	17.05	71344	8	0.0008792	2.74140269	0.022411729	0	0	0.0084242492
Q9JLQ0	Cd2ap	CD2-associated protein	193.96	7.22	70450	4	0.00091011	2.11364916	0.022994246	0	0	0.0086432093
O35654	Pold2	DNA polymerase delta subunit 2	218.13	8.96	51355	3	0.00093902	2.20612421	0.02350936	0	0	0.0088368333
Q9WU28	Pfdn5	Prefoldin subunit 5	104.86	14.29	17356	2	0.00094696	1.7826222	0.02350936	0	0	0.0088368333
Q60854	Serpinb6	Serpin B6	986.41	53.17	42599	15	0.00097269	1.94466546	0.023703796	0	0	0.0089099188
P28352	Apex1	DNA-(apurinic or apyrimidinic site) lyase	455.02	35.33	35490	7	0.00100195	1.55098555	0.023703796	0	0	0.0089099188
Q8K1B8	Fermt3	Fermitin family homolog 3	1259.78	48.27	75635	23	0.00100907	1.58073608	0.023703796	0	0	0.0089099188
P97371	Psmc1	Proteasome activator complex subunit 1	295.29	24.9	28673	5	0.00101359	3.28665246	0.023703796	0	0	0.0089099188
Q8VLJ5	Oga	Protein O-GlcNAcase	77.43	2.18	102918	2	0.00101938	2.81887564	0.023703796	0	0	0.0089099188
P17918	Pcna	Proliferating cell nuclear antigen	1734.93	66.67	28785	22	0.00102015	1.61776563	0.023703796	0	0	0.0089099188
Q8VBW6	Nae1	NEDD8-activating enzyme E1 regulatory subunit	117.42	4.68	60274	2	0.00102076	3.68066202	0.023703796	0	0	0.0089099188
Q6PAR5	Gapvd1	GTPase-activating protein and VPS9 domain-containing protein 1	154.87	3.02	162402	3	0.00102121	3.30095853	0.023703796	0	0	0.0089099188
P26516	Psmc7	26S proteasome non-ATPase regulatory subunit 7	496.05	27.1	36540	8	0.0010331	1.81625517	0.023786279	0	0	0.0089409232
Q8BH69	Seph1	Selenide, water dikinase 1	178.57	14.03	42907	4	0.00105008	2.78164633	0.023803007	0	0	0.008947211
P60229	Eif3e	Eukaryotic translation initiation factor 3 subunit E	372.73	20.9	52221	8	0.00105346	1.91626213	0.023803007	0	0	0.008947211
Q9CPU0	Glo1	Lactoylglutathione lyase	326.04	51.63	20810	7	0.00106654	3.18301956	0.023803007	0	0	0.008947211
Q5SW19	Cluh	Clustered mitochondria protein homolog	186.59	3.88	148068	4	0.00106718	4.03640327	0.023803007	0	0	0.008947211
Q9JLV6	Pnkp	Bifunctional polynucleotide phosphatase/kinase	384.78	21.65	57223	6	0.001088	2.18189934	0.02384195	0	0	0.0089618492
P83953	Kpna1	Importin subunit alpha-5	184.16	7.99	60137	3	0.00109101	2.65644094	0.02384195	0	0	0.0089618492
P54823	Ddx6	Probable ATP-dependent RNA helicase DDX6	665.64	33.54	54192	11	0.00109397	1.81798438	0.02384195	0	0	0.0089618492
Q91YT0	Ndufv1	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	609.27	31.47	50834	9	0.00110638	0.60066373	0.023929688	0	0	0.0089948284
P63328	Ppp3ca	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform	374.49	16.51	58644	7	0.00113029	1.94839832	0.024064808	0	0	0.009045618
Q5SUR0	Pfas	Phosphoribosylformylglycinamide synthase	1007.33	19.67	144629	19	0.0011337	1.87691942	0.024064808	0	0	0.009045618
Q4V8K5	Brox	BRO1 domain-containing protein BROX	163.76	9.25	46192	3	0.00115663	4.43698052	0.024064808	0	0	0.009045618
Q04899	Cdk18	Cyclin-dependent kinase 18	160.51	8.87	51848	3	0.00117006	2.7094041	0.024064808	0	0	0.009045618
Q8BK64	Ahsa1	Activator of 90 kDa heat shock protein ATPase homolog 1	230.53	21.6	38117	6	0.0011837	2.14010469	0.024064808	0	0	0.009045618
Q3TW96	Uap111	UDP-N-acetylhexosamine pyrophosphorylase-like protein 1	706.45	30.37	56614	12	0.00118807	2.26128441	0.024064808	0	0	0.009045618
Q91VW3	Sh3bgrl3	SH3 domain-binding glutamic acid-rich-like protein 3	216.58	31.18	10477	4	0.00119583	2.03185548	0.024064808	0	0	0.009045618
Q8BMJ2	Lars	Leucine--tRNA ligase, cytoplasmic	1136.64	23.6	134192	22	0.00119685	2.12189156	0.024064808	0	0	0.009045618
P68101	Eif2s1	Eukaryotic translation initiation factor 2 subunit 1	875.77	56.19	36108	15	0.00120487	1.76006107	0.024064808	0	0	0.009045618
P50399	Gdi2	Rab GDP dissociation inhibitor beta	1995.58	69.89	50537	34	0.00120705	2.03459303	0.024064808	0	0	0.009045618
P35979	Rp112	60S ribosomal protein L12	472.11	49.7	17805	6	0.00121557	1.52298826	0.024064808	0	0	0.009045618
Q04207	Rela	Transcription factor p65	44.41	2.55	60212	1	0.00121559	1.76215981	0.024064808	0	0	0.009045618
Q9D967	Mdp1	Magnesium-dependent phosphatase 1	67.25	14.02	18582	1	0.00122221	8.21920345	0.024064808	0	0	0.009045618
Q93092	Taldo1	Transaldolase	1283.64	52.82	37387	25	0.0012433	1.77997271	0.024307753	0	0	0.0091369378
Q7TPR4	Actn1	Alpha-actinin-1	1152.69	26.46	103068	20	0.00125157	1.92855298	0.024307753	0	0	0.0091369378
Q8CFV9	Rfk	Riboflavin kinase	59.68	13.55	17437	1	0.00127649	7.79203793	0.024393415	0	0	0.0091691367
Q9CWM4	Pfdn1	Prefoldin subunit 1	102.01	15.57	14255	2	0.00127838	2.24527986	0.024393415	0	0	0.0091691367
P28658	Atxn10	Ataxin-10	477.58	22.11	53707	8	0.00128162	2.54799791	0.024393415	0	0	0.0091691367
Q3TXS7	Psmc1	26S proteasome non-ATPase regulatory subunit 1	1354.49	33.05	105730	23	0.00130772	1.58512923	0.024454082	0	0	0.0091919408

P41542	Uso1	General vesicular transport factor p115	208.86	6.26	107162	5	0.00131092	3.61815312	0.024454082	0	0	0.0091919408
Q99PP7	Trim33	E3 ubiquitin-protein ligase TRIM33	108.42	2.1	123843	2	0.00131527	3.07136167	0.024454082	0	0	0.0091919408
Q9WUP7	Uchl5	Ubiquitin carboxyl-terminal hydrolase isozyme L5	663.04	37.99	37617	14	0.00131906	2.24252157	0.024454082	0	0	0.0091919408
Q5X132	Capzb	F-actin-capping protein subunit beta	1198.29	56.62	30629	19	0.00133562	1.59108973	0.024601216	0	0	0.0092472464
Q8K124	Plekho2	Pleckstrin homology domain-containing family O member 2	133.36	9.29	53872	3	0.00136054	2.06956153	0.024815742	0	0	0.0093278835
O70200	Aif1	Allograft inflammatory factor 1	147.18	11.56	16911	1	0.00136723	5.26429513	0.024815742	0	0	0.0093278835
Q8CG72	Adprh2	Poly(ADP-ribose) glycohydrolase ARH3	121.31	10.54	39414	3	0.00137334	5.31537831	0.024815742	0	0	0.0093278835
Q91W50	Csde1	Cold shock domain-containing protein E1	1036.8	29.82	88791	18	0.0014012	1.50265867	0.025159901	0	0	0.0094572481
P25444	Rps2	40S ribosomal protein S2	884.65	40.27	31231	15	0.00141432	1.46942155	0.02523679	0	0	0.0094861495
Q01730	Rsu1	Ras suppressor protein 1	148.7	24.19	31550	3	0.00143004	2.77437088	0.025358869	0	0	0.0095320373
Q8JZY2	Comm10	COMM domain-containing protein 10	42.59	5.94	22812	1	0.00145113	7.21872514	0.025573949	0	0	0.0096128826
Q99JX4	Eif3m	Eukaryotic translation initiation factor 3 subunit M	513.85	28.61	42517	7	0.00150356	2.15231009	0.026325788	0	0	0.0098954882
O88685	Psme3	26S proteasome regulatory subunit 6A	957.78	43.89	49549	17	0.00152084	1.52752929	0.026325788	0	0	0.0098954882
Q9JHU4	Dync1h1	Cytoplasmic dynein 1 heavy chain 1	4449.2	23.32	532045	86	0.00152956	1.71181735	0.026325788	0	0	0.0098954882
Q3TC93	Hs1bp3	HCLS1-binding protein 3	64.99	7.09	43691	2	0.00153068	3.65552526	0.026325788	0	0	0.0098954882
O08663	Metap2	Methionine aminopeptidase 2	107.39	5.44	52922	2	0.00155724	11.611251	0.026387522	0	0	0.0099186933
Q9JJU8	Sh3bgr1	SH3 domain-binding glutamic acid-rich-like protein	362.73	70.18	12811	6	0.00158112	1.88170617	0.026387522	0	0	0.0099186933
O88377	Pip4k2b	Phosphatidylinositol 5-phosphate 4-kinase type-2 beta	62.76	3.37	47264	1	0.00159718	163976.969	0.026387522	0	0	0.0099186933
Q62465	Vat1	Synaptic vesicle membrane protein VAT-1 homolog	696.42	37.19	43097	12	0.00160321	1.94428401	0.026387522	0	0	0.0099186933
Q61584	Fxr1	Fragile X mental retardation syndrome-related protein 1	818.29	27.33	76222	14	0.00160419	1.35856376	0.026387522	0	0	0.0099186933
Q9QXB9	Drp2	Developmentally-regulated GTP-binding protein 2	211.09	12.09	40718	4	0.00160585	2.21668872	0.026387522	0	0	0.0099186933
P57780	Actn4	Alpha-actinin-4	1551.8	35.31	104977	25	0.00160951	1.8922955	0.026387522	0	0	0.0099186933
Q9WUM4	Coro1c	Coronin-1C	861.13	36.08	53121	13	0.00161111	1.47205383	0.026387522	0	0	0.0099186933
P42932	Cct8	T-complex protein 1 subunit theta	1788.49	55.11	59555	33	0.0016259	1.91387328	0.026387522	0	0	0.0099186933
P62774	Mtpn	Myotrophin	239.8	35.59	12861	3	0.00163008	2.80908485	0.026387522	0	0	0.0099186933
Q58A65	Spag9	C-Jun-amino-terminal kinase-interacting protein 4	117.93	2.8	146219	3	0.00164322	2.63528555	0.026387522	0	0	0.0099186933
P43274	Hist1h1e	Histone H1.4	777.19	34.25	21977	12	0.00167902	0.49320356	0.026387522	0	0	0.0099186933
Q9CX56	Psmd8	26S proteasome non-ATPase regulatory subunit 8	187.68	7.08	39930	3	0.00167934	1.61512242	0.026387522	0	0	0.0099186933
Q5X172	Eif4h	Eukaryotic translation initiation factor 4H	300.69	21.37	27324	5	0.00168428	1.6467154	0.026387522	0	0	0.0099186933
Q3TRM8	Hk3	Hexokinase-3	1098.27	25.49	100101	17	0.00168661	2.0000524	0.026387522	0	0	0.0099186933
P17220	Psma2	Proteasome subunit alpha type-2	707.3	41.45	25927	10	0.00168672	1.75570297	0.026387522	0	0	0.0099186933
Q9JHU0	Tmod3	Tropomodulin-3	319.1	29.26	39503	7	0.00169139	2.13759023	0.026387522	0	0	0.0099186933
Q99LC8	Eif2b1	Translation initiation factor eIF-2B subunit alpha	98.49	5.57	33816	1	0.00172047	4.46872015	0.026695362	0	0	0.010034406
A2ADY9	Ddi2	Protein DDI1 homolog 2	353.19	24.56	44591	6	0.00174024	2.78346621	0.026856112	0	0	0.010094829
P47856	Gfpt1	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1	162.85	5.02	78539	3	0.00178357	3.8759221	0.027376879	0	0	0.010290579
Q91WU5	As3mt	Arsenite methyltransferase	146.66	13.3	41794	3	0.0018034	2.93221593	0.027533207	0	0	0.01034934
P60122	Ruvb1	RuvB-like 1	962.43	46.05	50214	17	0.00182582	1.2779234	0.027619449	0	0	0.010381757
Q62446	Fkbp3	Peptidyl-prolyl cis-trans isomerase FKBP3	120.44	15.62	25148	3	0.0018284	2.31843332	0.027619449	0	0	0.010381757
P39749	Fen1	Flap endonuclease 1	554.75	21.43	42315	9	0.00186412	1.79222631	0.028010808	0	0	0.010528863
P81799	Nagk	N-acetyl-D-glucosamine kinase	56.74	2.92	37196	1	0.00190332	3.90399187	0.028181763	0	0	0.010593123
Q11011	Npepps	Puromycin-sensitive aminopeptidase	553.2	11.3	103325	10	0.00191186	2.11147298	0.028181763	0	0	0.010593123
P80314	Cct2	T-complex protein 1 subunit beta	2029.75	64.3	57477	32	0.00191255	1.7381214	0.028181763	0	0	0.010593123
P14131	Rps16	40S ribosomal protein S16	682.93	71.92	16445	14	0.00192758	1.37633362	0.028181763	0	0	0.010593123
Q8BU30	Iars	Isoleucine--tRNA ligase, cytoplasmic	391.51	7.21	144271	8	0.00194861	2.6659746	0.028181763	0	0	0.010593123
Q9Z2A0	Pdpk1	3-phosphoinositide-dependent protein kinase 1	43.49	3.04	63759	1	0.00195373	7.05318585	0.028181763	0	0	0.010593123
P21670	Psma4	Proteasome subunit alpha type-4	704.89	65.13	29498	14	0.00195821	1.77355237	0.028181763	0	0	0.010593123
P21300	Akr1b7	Aldose reductase-related protein 1	337.12	13.92	35988	7	0.00198853	1.41934951	0.028181763	0	0	0.010593123
Q8BV13	Cops7b	COP9 signalosome complex subunit 7b	38.11	7.2	29689	1	0.00199049	5.24463826	0.028181763	0	0	0.010593123
Q9DBG6	Rpn2	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	875.04	29.32	69063	13	0.00200038	0.57910741	0.028181763	0	0	0.010593123
Q62384	Zpr1	Zinc finger protein ZPR1	148.03	7.63	50715	3	0.00200199	1.94646891	0.028181763	0	0	0.010593123

O09061	Psmb1	Proteasome subunit beta type-1	902.13	54.17	26372	13	0.0020155	1.40486066	0.028181763	0	0	0.010593123
Q8CIG8	Prmt5	Protein arginine N-methyltransferase 5	73.3	2.04	72680	1	0.00202627	5.09344465	0.028181763	0	0	0.010593123
P61924	Copz1	Coatomer subunit zeta-1	104.24	22.03	20198	3	0.00203767	3.21401831	0.028181763	0	0	0.010593123
Q6AYH5	Dctn2	Dynactin subunit 2	166.19	8.21	44148	3	0.00203875	4.57825432	0.028181763	0	0	0.010593123
Q3U0V1	Khsrp	Far upstream element-binding protein 2	1259.83	42.91	76775	20	0.00205625	1.39133572	0.028181763	0	0	0.010593123
Q9CQE8	RTRAF	RNA transcription, translation and transport factor protein	48.88	12.3	28152	1	0.0020581	4.59837067	0.028181763	0	0	0.010593123
Q9JM14	Nt5c	5'(3)-deoxyribonucleotidase, cytosolic type	235.2	20	23076	4	0.00205913	1.79388089	0.028181763	0	0	0.010593123
Q9JJ28	Flii	Protein flightless-1 homolog	579.02	10.46	144803	11	0.00206304	1.4679406	0.028181763	0	0	0.010593123
P29351	Ptpn6	Tyrosine-protein phosphatase non-receptor type 6	1722.83	54.62	67559	30	0.00209218	1.30331399	0.028379283	0	0	0.010667368
P62994	Grb2	Growth factor receptor-bound protein 2	92.77	11.06	25206	2	0.00209738	3.29032498	0.028379283	0	0	0.010667368
Q9WVA4	Tagln2	Transgelin-2	1756.11	79.4	22395	24	0.00210889	1.67197219	0.028400411	0	0	0.01067531
Q9D819	Ppa1	Inorganic pyrophosphatase	241.96	17.3	32667	5	0.00221977	2.73310373	0.029723901	0	0	0.011172791
Q9CWQ0	Dph5	Diphthine methyl ester synthase	74.21	8.19	31218	1	0.00224398	2.81824319	0.029723901	0	0	0.011172791
Q9D211	Cdkn2aip1	CDKN2AIP N-terminal-like protein	78.86	18.97	13209	2	0.00224408	3.47603424	0.029723901	0	0	0.011172791
A0MZ67	Shtn1	Shootin-1	202.58	8.06	71446	4	0.00224881	2.37673604	0.029723901	0	0	0.011172791
P62320	Snrpd3	Small nuclear ribonucleoprotein Sm D3	385.4	54.76	13916	7	0.00228654	0.72532518	0.029964463	0	0	0.011263214
Q8VDD5	Myh9	Myosin-9	7869.631	52.91	226372	116	0.00229116	1.50193745	0.029964463	0	0	0.011263214
P97814	Pstpip1	Proline-serine-threonine phosphatase-interacting protein 1	136.51	8.92	47590	2	0.00230981	2.84721269	0.029964463	0	0	0.011263214
Q8BYW1	Arhgap25	Rho GTPase-activating protein 25	332.92	13.12	73383	6	0.00232506	2.40225259	0.029964463	0	0	0.011263214
Q80WS3	Fbl1l	rRNA/tRNA 2'-O-methyltransferase fibrillar-like protein 1	157.08	11.46	33339	3	0.0023452	0.50750332	0.029964463	0	0	0.011263214
P61290	Psme3	Proteasome activator complex subunit 3	520.16	29.13	29506	9	0.00235171	2.48131469	0.029964463	0	0	0.011263214
Q922D8	Mthfd1	C-1-tetrahydrofolate synthase, cytoplasmic	1267.38	30.05	101200	25	0.00235756	1.84931023	0.029964463	0	0	0.011263214
Q99KK7	Dpp3	Dipeptidyl peptidase 3	655.5	29.67	82898	12	0.00236496	2.1470463	0.029964463	0	0	0.011263214
Q924T2	Mrps2	28S ribosomal protein S2, mitochondrial	262.11	27.49	32313	5	0.00236873	1.7332089	0.029964463	0	0	0.011263214
Q91YQ5	Rpn1	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	1542.48	52.96	68528	26	0.00237197	0.69387136	0.029964463	0	0	0.011263214
O35263	Pafah1b3	Platelet-activating factor acetylhydrolase IB subunit gamma	65.54	3.88	25863	1	0.00242068	1.88590612	0.030076256	0	0	0.011305236
Q8R0H9	Gga1	ADP-ribosylation factor-binding protein GGA1	176.33	7.56	69972	4	0.00245565	2.51737435	0.030076256	0	0	0.011305236
Q6P8X1	Snx6	Sorting nexin-6	187.77	15.02	46649	4	0.00245634	2.5573875	0.030076256	0	0	0.011305236
Q9CQ75	Ndufa2	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	75.5	14.14	10916	1	0.00246301	0.77002219	0.030076256	0	0	0.011305236
P97360	Etv6	Transcription factor ETV6	50.2	1.44	56406	1	0.00246349	2.54978135	0.030076256	0	0	0.011305236
P62075	Timm13	Mitochondrial import inner membrane translocase subunit Tim13	105.98	14.74	10458	1	0.00249036	5.31997606	0.030076256	0	0	0.011305236
P04184	Tk1	Thymidine kinase, cytosolic	205.88	28.33	25776	5	0.00249319	1.65901809	0.030076256	0	0	0.011305236
P0C0A1	Vps25	Vacuolar protein-sorting-associated protein 25	121.19	21.02	20762	3	0.00249991	2.18546916	0.030076256	0	0	0.011305236
Q91V17	Rnh1	Ribonuclease inhibitor	2016.51	74.78	49816	24	0.00251054	2.13558322	0.030076256	0	0	0.011305236
Q9JM76	Arpc3	Actin-related protein 2/3 complex subunit 3	372.7	44.38	20525	7	0.00251276	1.65860434	0.030076256	0	0	0.011305236
P62329	Tmsb4x	Thymosin beta-4	241.93	68.18	5053	4	0.00251354	1.85855477	0.030076256	0	0	0.011305236
Q5U2Q7	Etf1	Eukaryotic peptide chain release factor subunit 1	304.23	22.43	49031	6	0.00251615	1.68008915	0.030076256	0	0	0.011305236
Q7TSC1	Prc2a	Protein PRC2A	65.12	0.97	229203	1	0.00251777	7.41641866	0.030076256	0	0	0.011305236
Q9QZQ8	H2afy	Core histone macro-H2A.1	453.21	32.53	39735	7	0.00253259	0.44854376	0.030127236	0	0	0.011324398
P97311	Mcm6	DNA replication licensing factor MCM6	1179.58	31.06	92867	20	0.00255667	1.33469709	0.030287514	0	0	0.011384645
Q9ES52	Inpp5d	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1	1091.19	24.43	133542	23	0.00259162	1.6717643	0.030574692	0	0	0.011492591
O35309	Nmi	N-myc-interactor	116.7	9.55	35236	2	0.00264707	2.08329381	0.030980663	0	0	0.011645189
P32921	Wars	Tryptophan--tRNA ligase, cytoplasmic	568.58	30.77	54358	10	0.00264773	2.35103623	0.030980663	0	0	0.011645189
Q6P9P6	Kif11	Kinesin-like protein KIF11	112.39	3.99	118027	3	0.00268442	2.54029491	0.031230642	0	0	0.011739153
P47754	Capza2	F-actin-capping protein subunit alpha-2	401.02	24.83	32967	7	0.00269612	1.66900955	0.031230642	0	0	0.011739153
Q5FWK3	Arhgap1	Rho GTPase-activating protein 1	140.86	7.06	50411	2	0.00270337	16.4619828	0.031230642	0	0	0.011739153
Q9DAK9	Phpt1	14 kDa phosphohistidine phosphatase	42.81	19.35	13997	1	0.00271285	4.81630133	0.031230642	0	0	0.011739153
P37996	Arl3	ADP-ribosylation factor-like protein 3	191.8	25.82	20457	4	0.00277201	2.81685125	0.031346933	0	0	0.011782865
Q9EQK5	Mvp	Major vault protein	1635.94	43.32	95924	27	0.00277484	1.38014116	0.031346933	0	0	0.011782865

P97834	Gps1	COP9 signalosome complex subunit 1	267.39	15.07	53428	6	0.00278338	1.88325713	0.031346933	0	0	0.011782865
Q9R1T2	Sae1	SUMO-activating enzyme subunit 1	772	46.57	38620	14	0.00278932	2.174579	0.031346933	0	0	0.011782865
P16110	Lgals3	Galectin-3	686.86	35.23	27515	12	0.00279538	1.76323258	0.031346933	0	0	0.011782865
Q8BP47	Nars	Asparagine--tRNA ligase, cytoplasmic	784.23	27.55	64279	15	0.00279874	1.67116886	0.031346933	0	0	0.011782865
Q5M7W1	Txnip	Thioredoxin-interacting protein	38.62	3.05	44018	1	0.00279981	6.47103293	0.031346933	0	0	0.011782865
Q9DBQ7	Scyl3	Protein-associating with the carboxyl-terminal domain of ezrin	38.24	1.5	81333	1	0.00282006	6.88743607	0.031450296	0	0	0.011821718
Q80TM9	Nisch	Nischarin	244.24	3.45	175012	4	0.00286403	2.46679126	0.03155532	0	0	0.011861195
Q68FL4	Ahcy12	Putative adenosylhomocysteinase 3	238.46	7.01	66899	5	0.00287117	3.34846301	0.03155532	0	0	0.011861195
P31750	Akt1	RAC-alpha serine/threonine-protein kinase	48.16	1.67	55707	1	0.0028756	2.63246496	0.03155532	0	0	0.011861195
P46664	Adss	Adenylosuccinate synthetase isozyme 2	769.26	35.31	50021	13	0.00287878	1.97666263	0.03155532	0	0	0.011861195
Q8K1R7	Nek9	Serine/threonine-protein kinase Nek9	179.81	5.39	107143	4	0.00289355	2.2724479	0.03155532	4.9406565e-324	0	0.011861195
P50516	Atp6v1a	V-type proton ATPase catalytic subunit A	1703.4	49.43	68326	26	0.00294102	1.49709679	0.03155532	1.9762626e-323	0	0.011861195
Q8R5H1	Usp15	Ubiquitin carboxyl-terminal hydrolase 15	176.33	5.71	112325	4	0.00294575	2.72789218	0.03155532	8.8931816e-323	0	0.011861195
O88545	Cops6	COP9 signalosome complex subunit 6	168.65	8.33	35880	4	0.00295817	2.46247323	0.03155532	4.1007449e-322	0	0.011861195
Q03265	Atp5f1a	ATP synthase subunit alpha, mitochondrial	2770.93	62.39	59753	40	0.00297033	6.07760753	0.03155532	1.8329835e-321	0	0.011861195
Q60902	Eps15l1	Epidermal growth factor receptor substrate 15-like 1	40.21	0.88	99309	1	0.00297321	6.90367382	0.03155532	8.211371e-321	0	0.011861195
Q6BB18	Ufc1	Ubiquitin-fold modifier-conjugating enzyme 1	102.15	28.14	19492	3	0.0029793	2.17569308	0.03155532	3.672884e-320	0	0.011861195
O70145	Ncf2	Neutrophil cytosol factor 2	518.48	29.14	59485	11	0.00298777	1.94973907	0.03155532	1.6400015e-319	0	0.011861195
E9PVA8	Gcn1	eIF-2-alpha kinase activator GCN1	214.6	2.47	293021	6	0.00300287	2.8777809	0.03155532	7.3128138e-319	0	0.011861195
Q8R570	Snap47	Synaptosomal-associated protein 47	51.85	3.63	46524	1	0.0030067	7.31971922	0.03155532	3.2562533e-318	0	0.011861195
Q62348	Tsn	Translin	380.23	31.14	26201	7	0.00302405	2.02021335	0.03155532	1.4479206e-317	0	0.011861195
Q6P1B1	Xpnpep1	Xaa-Pro aminopeptidase 1	556.77	26.32	69591	11	0.00303658	1.69168705	0.03155532	6.429298e-317	0	0.011861195
P47860	Pfkfb	ATP-dependent 6-phosphofructokinase, platelet type	723.76	13.58	85720	9	0.00304995	1.70476886	0.03155532	2.8508503e-316	0	0.011861195
Q8VEE4	Rpa1	Replication protein A 70 kDa DNA-binding subunit	669.48	23.76	69037	13	0.00305208	1.36794389	0.03155532	1.2623429e-315	0	0.011861195
Q9CXY6	Ilf2	Interleukin enhancer-binding factor 2	529.81	37.18	43062	9	0.00305853	0.56664056	0.03155532	5.5817751e-315	0	0.011861195
B0BNE2	Polr2e	DNA-directed RNA polymerases I, II, and III subunit RPABC1	117.41	11.43	24570	2	0.0030702	0.69076465	0.03155532	2.4646734e-314	0	0.011861195
P46467	Vps4b	Vacuolar protein sorting-associated protein 4B	376.17	22.07	49419	7	0.00307885	1.86326425	0.03155532	1.086772e-313	0	0.011861195
A2AAY5	Sh3pxd2b	SH3 and PX domain-containing protein 2B	186.02	4.74	101517	5	0.00309029	1.99192903	0.03155532	4.7853041e-313	0	0.011861195
Q9Z2Y8	Plpbp	Pyridoxal phosphate homeostasis protein	82.71	4.74	30049	1	0.00310046	4.2883222	0.03155532	2.1041304e-312	0	0.011861195
P50543	S100a11	Protein S100-A11	219.21	40.82	11083	4	0.00310384	1.50126577	0.03155532	9.2390597e-312	0	0.011861195
P50396	Gdi1	Rab GDP dissociation inhibitor alpha	467.39	18.79	50522	8	0.0031058	1.83836288	0.03155532	4.0511179e-311	0	0.011861195
P83940	Eloc	Elongin-C	257.95	37.5	12473	3	0.00311842	2.26777041	0.031571234	1.7738381e-310	0	0.011867177
P57776	Eef1d	Elongation factor 1-delta	1088.8	56.94	31293	16	0.00313951	1.84010517	0.031672432	7.7561291e-310	0	0.011905216
Q32PX2	Aimp2	Aminoacyl tRNA synthase complex-interacting multifunctional protein 2	201.97	16.88	35443	4	0.00315321	1.65525198	0.03169864	3.3866323e-309	0	0.011915067
Q91VX2	Ubap2	Ubiquitin-associated protein 2	204.92	5.57	117966	4	0.0031892	3.29481862	0.031947962	1.4766684e-308	0	0.012008783
Q8BG30	Nelfa	Negative elongation factor A	126.8	4.53	57585	2	0.00323023	1.94052967	0.032245806	6.4296874e-308	0	0.012120739
Q91YE6	Ipo9	Importin-9	336.01	8.84	116052	7	0.00327989	1.63690602	0.032602178	2.7956876e-307	0	0.012254694
Q8VB70	Tmx1	Thioredoxin-related transmembrane protein 1	171.11	12.59	31396	3	0.00329008	0.74068343	0.032602178	1.2138899e-306	0	0.012254694
Q6ZQ08	Cnot1	CCR4-NOT transcription complex subunit 1	124.51	1.22	266808	3	0.00330019	2.58478315	0.032602178	5.2633452e-306	0	0.012254694
P33174	Kif4	Chromosome-associated kinesin KIF4	101.93	2.11	139519	2	0.00333178	2.67373207	0.032708806	2.2789577e-305	0	0.012294774
P51855	Gss	Glutathione synthetase	236.54	14.14	52247	4	0.00333389	1.91726387	0.032708806	9.8537719e-305	0	0.012294774
Q6NVF4	Helb	DNA helicase B	41.27	0.74	121471	1	0.0033467	4.95719454	0.032722015	4.254618e-304	0	0.012299739
P70195	Psmb7	Proteasome subunit beta type-7	158.8	25.27	29891	4	0.00336174	1.90780928	0.032756901	1.8344693e-303	0	0.012312852
Q7M0E3	Dstn	Destrin	579.56	56.36	18534	10	0.0033767	1.5984852	0.032790738	7.8986358e-303	0	0.012325571
Q03963	Eif2ak2	Interferon-induced, double-stranded RNA-activated protein kinase	382.11	19.81	58280	6	0.00339122	1.88113268	0.032795996	3.3961394e-302	0	0.012327547
P63028	Tpt1	Translationally-controlled tumor protein	252.57	44.19	19462	4	0.00340094	3.82131594	0.032795996	1.4581784e-301	0	0.012327547
A2A5R2	Arfgef2	Brefeldin A-inhibited guanine nucleotide-exchange protein 2	120.78	2.01	202240	3	0.00342204	1.72755445	0.032795996	6.2521233e-301	0	0.012327547
P85972	Vcl	Vinculin	822.95	16.79	116615	16	0.00343084	2.24702026	0.032795996	2.6769244e-300	0	0.012327547
Q60865	Caprin1	Caprin-1	810.19	24.89	78169	14	0.00343468	2.03706762	0.032795996	1.1445542e-299	0	0.012327547
Q9WUA3	Pfkfb	ATP-dependent 6-phosphofructokinase, platelet type	1615	44.9	85455	23	0.00344987	1.78819363	0.032831219	4.8868416e-299	0	0.012340787
O55023	Impa1	Inositol monophosphatase 1	402.31	24.91	30436	8	0.00346333	1.7193419	0.032849817	2.0835877e-298	0	0.012347778

P03995	Gfap	Glial fibrillary acidic protein	164.37	6.05	49900	3	0.00348299	1.82536956	0.032894949	8.871293e-298	0	0.012364742
Q61655	Ddx19a	ATP-dependent RNA helicase DDX19A	562.17	30.54	53933	10	0.00349113	1.82853262	0.032894949	3.7718432e-297	0	0.012364742
Q92112	Klhdc4	Kelch domain-containing protein 4	38.72	2.57	64860	1	0.00354098	3.25676764	0.033254963	1.6014445e-296	0	0.012500066
Q8CG48	Smc2	Structural maintenance of chromosomes protein 2	717.19	15.03	134239	14	0.0036029	2.15783547	0.033725494	6.7898737e-296	0	0.012676932
Q9Z0H1	Wdr46	WD repeat-containing protein 46 2	425.78	22.19	69048	9	0.00366888	0.67848101	0.034079635	2.8747692e-295	0	0.012810049
Q9D1A2	Cndp2	Cytosolic non-specific dipeptidase	693.95	35.37	52767	13	0.00368463	1.97943954	0.034079635	1.2154462e-294	0	0.012810049
Q5U2Q3		Ester hydrolase C11orf54 homolog	54.76	8.89	34993	2	0.0036853	3.5502903	0.034079635	5.1316847e-294	0	0.012810049
Q8C151	Pdlim5	PDZ and LIM domain protein 5	341.34	16.24	63299	7	0.00369845	2.26256555	0.034079635	2.1635931e-293	0	0.012810049
Q99P31	Hspbp1	Hsp70-binding protein 1	459.18	32.21	39167	9	0.00370042	2.54920178	0.034079635	9.1092498e-293	0	0.012810049
Q9CQ16	Cotl1	Coactosin-like protein	599.88	76.06	15944	12	0.00372971	1.78222265	0.034238959	3.8298431e-292	0	0.012869936
Q8R016	Blmh	Bleomycin hydrolase	445.03	25.71	52511	9	0.00375562	2.60631235	0.034366356	1.6079431e-291	0	0.012917823
Q9D8N0	Eef1g	Elongation factor 1-gamma	1473.49	69.57	50061	24	0.0037747	1.57401246	0.034430589	6.7414246e-291	0	0.012941967
Q3TX08	Trmt1	tRNA (guanine(26)-N(2))-dimethyltransferase	123.71	6.49	72350	2	0.00379823	2.47355672	0.034495372	2.8224349e-290	0	0.012966319
Q68FL6	Mars	Methionine--tRNA ligase, cytoplasmic	821.32	21.4	101431	14	0.00380766	2.23174803	0.034495372	1.1800147e-289	0	0.012966319
Q5BJX0	Ntmt1	N-terminal Xaa-Pro-Lys N-methyltransferase 1	54.32	3.14	25464	1	0.00381805	2.79155857	0.034495372	4.9265412e-289	0	0.012966319
Q91VD9	Ndufs1	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	703.16	25.45	79777	15	0.00384501	0.73289326	0.034551141	2.0539411e-288	0	0.012987281
Q61316	Hspa4	Heat shock 70 kDa protein 4	2312.93	56.84	94133	39	0.00385508	1.65665032	0.034551141	8.5511587e-288	0	0.012987281
P37913	Lig1	DNA ligase 1	619.96	14.41	102290	11	0.00386053	1.66556534	0.034551141	3.5551101e-287	0	0.012987281
O08997	Atox1	Copper transport protein ATOX1	284	58.82	7338	4	0.00391191	2.17172252	0.03484342	1.4759519e-286	0	0.013097145
Q9QYB1	Clic4	Chloride intracellular channel protein 4	921.84	57.31	28729	13	0.00392684	2.08250765	0.03484342	6.1190271e-286	0	0.013097145
Q9CZH3	Psmg3	Proteasome assembly chaperone 3	90.16	27.05	13331	2	0.00393319	2.36630438	0.03484342	2.533282e-285	0	0.013097145
Q9CVB6	Arpc2	Actin-related protein 2/3 complex subunit 2	913.72	46.33	34357	15	0.00394201	1.75275136	0.03484342	1.047311e-284	0	0.013097145
Q9CT10	Ranbp3	Ran-binding protein 3	374.52	16.9	52573	6	0.00396731	2.44793293	0.034858777	4.3237313e-284	0	0.013102917
Q6P7P5	Bzw1	Basic leucine zipper and W2 domain-containing protein 1	165.36	12.65	48043	4	0.00396816	2.49533869	0.034858777	1.7825126e-283	0	0.013102917
P13439	Umps	Uridine 5'-monophosphate synthase	452.35	24.32	52292	9	0.00399282	1.90284907	0.03495461	7.338332e-283	0	0.013138939
Q62351	Tfrc	Transferrin receptor protein 1	1069.33	26.34	85731	20	0.0040118	0.71556726	0.03495461	3.0168443e-282	0	0.013138939
Q8CIE6	Copa	Coatamer subunit alpha	1255.51	23.2	138432	23	0.00401636	1.59443144	0.03495461	1.2385091e-281	0	0.013138939
P17427	Ap2a2	AP-2 complex subunit alpha-2	568.12	15.46	104017	11	0.00403846	1.89486185	0.03495461	5.0773399e-281	0	0.013138939
Q9QYI3	Dnajc7	DnaJ homolog subfamily C member 7	224.76	8.1	56476	3	0.00404674	2.18229088	0.03495461	2.0785666e-280	0	0.013138939
Q64261	Cdk6	Cyclin-dependent kinase 6	254.71	26.69	37028	6	0.00405253	2.62715599	0.03495461	8.497326e-280	0	0.013138939
Q68FD5	Clte	Clathrin heavy chain 1	4125.47	48.42	191557	66	0.00408221	1.42125781	0.035022951	3.4688954e-279	0	0.013164628
Q91WQ3	Yars	Tyrosine--tRNA ligase, cytoplasmic	429.69	22.92	59105	10	0.00408499	1.9734649	0.035022951	1.4141344e-278	0	0.013164628
A2AN08	Ubr4	E3 ubiquitin-protein ligase UBR4	309.76	1.31	572290	5	0.00410482	2.62825525	0.03508764	5.7567939e-278	0	0.013188944
Q6MGD0	Cuta	Protein CutA	41.44	7.91	18659	1	0.00413899	5.40698271	0.0352741	2.340244e-277	0	0.013259031
Q9CQM5	Txndc17	Thioredoxin domain-containing protein 17	175.45	43.9	14015	5	0.00417636	2.58708856	0.03535894	9.5001837e-277	0	0.013290921
Q8C2E7	Washc5	WASH complex subunit 5	55.02	0.95	134110	1	0.00418484	2.49111784	0.03535894	3.8511749e-276	0	0.013290921
Q922B2	Dars	Aspartate--tRNA ligase, cytoplasmic	1347.24	53.09	57147	25	0.00420408	1.73333781	0.03535894	1.5589953e-275	0	0.013290921
P70698	Ctps1	CTP synthase 1	300.54	13.54	66682	6	0.00420713	2.10254935	0.03535894	6.3021198e-275	0	0.013290921
Q8K2H2	Otud6b	Deubiquitinase OTUD6B	56.43	4.42	33758	1	0.00421087	1.82136054	0.03535894	2.5440095e-274	0	0.013290921
Q9DB29	Iah1	Isoamyl acetate-hydrolyzing esterase 1 homolog	51.6	4.42	27974	1	0.00422706	2.53459743	0.035390782	1.0255126e-273	0	0.01330289
P83870	Phf5a	PHD finger-like domain-containing protein 5A	325.33	47.27	12405	5	0.00428482	0.52952477	0.035743533	4.1281303e-273	0	0.013435484
P97494	Gclc	Glutamate--cysteine ligase catalytic subunit	249.43	10.36	72571	5	0.00429423	2.55359676	0.035743533	1.6594184e-272	0	0.013435484
Q9JKX6	Nudt5	ADP-sugar pyrophosphatase	97.17	13.3	23984	2	0.00432038	1.74407689	0.03575398	6.6611378e-272	0	0.013439411
O88543	Cops3	COP9 signalosome complex subunit 3	347.55	21.28	47832	7	0.00432053	1.65203403	0.03575398	2.6701209e-271	0	0.013439411
A2AGT5	Ckap5	Cytoskeleton-associated protein 5	457.24	5.81	225635	8	0.00437409	2.12821428	0.036010185	1.0688171e-270	0	0.013535715
Q9EP69	Sacm11	Phosphatidylinositol phosphatase SAC1	227.73	9.2	66944	5	0.00437672	0.58997235	0.036010185	4.2723391e-270	0	0.013535715
Q99MD9	Nasp	Nuclear autoantigenic sperm protein	531.58	14.88	83954	7	0.00443536	1.90488985	0.036287295	1.7053671e-269	0	0.013639877
Q9RON0	Galk1	Galactokinase	443.6	24.49	42295	9	0.00443582	2.34589072	0.036287295	6.7976661e-269	0	0.013639877
Q91V92	Acly	ATP-citrate synthase	1852.34	31.35	119728	28	0.00445394	1.72848713	0.036331403	2.7057739e-268	0	0.013656456
Q8BY71	Hat1	Histone acetyltransferase type B catalytic subunit	346.34	15.62	49278	5	0.00449582	2.90366523	0.036470685	1.075506e-267	0	0.013708811
P63312	Tmsb10	Thymosin beta-10	107.43	47.73	5026	2	0.00449656	1.47322954	0.036470685	4.268977e-267	0	0.013708811
P70218	Map4k1	Mitogen-activated protein kinase kinase kinase 1	41.66	1.09	91535	1	0.00453171	4.18298884	0.036516043	1.6920935e-266	0	0.01372586
P62627	Dynlrb1	Dynein light chain roadblock-type 1	100.5	26.04	10990	2	0.00453322	2.31896537	0.036516043	6.6975257e-266	0	0.01372586
Q8K298	Anln	Anillin	413.93	10.17	122794	7	0.00454052	2.03699755	0.036516043	2.6472434e-265	0	0.01372586

P29452	Casp1	Caspase-1	368.14	20.4	45640	7	0.00456577	1.97592971	0.036615939	1.0448712e-264	0	0.013763409
Q8R1F5	Hyi	Putative hydroxypyruvate isomerase	192.08	17.69	30449	4	0.0046053	2.68640608	0.036829531	4.1183285e-264	0	0.013843695
Q7TQH0	Atxn2l	Ataxin-2-like protein	476.95	12.2	110649	9	0.00467551	2.03439096	0.037193515	1.6209458e-263	0	0.013980512
Q2L4X1	Bzw2	Basic leucine zipper and W2 domain-containing protein 2 OS=Mus musculus molossinus (Japanese house mouse)	136.41	8.83	48063	3	0.00467761	1.65985865	0.037193515	6.3709649e-263	0	0.013980512
Q9DBL7	Coasy	Bifunctional coenzyme A synthase	248.51	14.03	62023	5	0.0046899	1.87399365	0.037193515	2.5005244e-262	0	0.013980512
Q91YR5	Mettl13	Methyltransferase-like protein 13	87.05	3.01	78757	2	0.00470925	2.4975636	0.037243515	9.8004514e-262	0	0.013999306
Q9D338	Mrpl19	39S ribosomal protein L19, mitochondrial	249.54	15.07	33578	5	0.00472933	0.66682781	0.037298973	3.8357484e-261	0	0.014020152
Q8K202	Polr1e	DNA-directed RNA polymerase 1 subunit RPA49	115.42	4.56	54034	2	0.00475722	0.37455363	0.037415585	1.4991432e-260	0	0.014063985
P63242	Eif5a	Eukaryotic translation initiation factor 5A-1	901.79	69.48	16832	14	0.00477579	1.7629956	0.037458442	5.8509318e-260	0	0.014080094
P22682	Cbl	E3 ubiquitin-protein ligase CBL	75.93	1.64	100564	1	0.00485069	4.40474508	0.037828349	2.2803201e-259	0	0.014219137
P97372	Psme2	Proteasome activator complex subunit 2	410.75	39.33	27057	6	0.00486189	1.76688724	0.037828349	8.8747349e-259	0	0.014219137
O08618	Prpsap2	Phosphoribosyl pyrophosphate synthase-associated protein 2	179.36	11.92	40867	3	0.0048627	2.06253887	0.037828349	3.4490833e-258	0	0.014219137
Q9CSU0	Rprd1b	Regulation of nuclear pre-mRNA domain-containing protein 1B	189.71	16.56	36884	4	0.00488359	1.66085243	0.037887641	1.3385687e-257	0	0.014241424
Q02053	Uba1	Ubiquitin-like modifier-activating enzyme 1	1796.89	34.5	117809	27	0.00490703	1.88356472	0.037966332	5.1875969e-257	0	0.014271003
O08638	Myh11	Myosin-11	590.56	5.48	227028	11	0.00499339	1.41159707	0.038530061	2.0076145e-256	0	0.014482901
P80315	Cct4	T-complex protein 1 subunit delta	2112.64	60.67	58066	29	0.00502424	1.73844345	0.038575321	7.7585915e-256	0	0.014499913
Q99J14	Psm6	26S proteasome non-ATPase regulatory subunit 6	490.5	28.79	45536	10	0.00503149	1.69713983	0.038575321	2.9941521e-255	0	0.014499913
P97823	Lypl1	Acyl-protein thioesterase 1	243.92	26.52	24688	4	0.00504534	2.35535751	0.038575321	1.1538601e-254	0	0.014499913
Q63468	Prpsap1	Phosphoribosyl pyrophosphate synthase-associated protein 1	397.12	25.84	39436	7	0.0050533	2.22854087	0.038575321	4.440386e-254	0	0.014499913
Q9Z0M5	Lipa	Lysosomal acid lipase/cholesterol ester hydrolase	105.58	4.79	45325	2	0.00509672	2.78353788	0.038803014	1.7063829e-253	0	0.0145855
Q6A0A2	Larp4b	La-related protein 4B	64.5	2.29	81627	1	0.0051671	5.86774309	0.039234263	6.5481768e-253	0	0.0147476
Q09200	B4galnt1	Beta-1,4 N-acetylgalactosaminyltransferase 1	113.11	9.94	59212	3	0.00520198	0.57649387	0.039311564	2.5092986e-252	0	0.014776656
Q9CPN8	Igf2bp3	Insulin-like growth factor 2 mRNA-binding protein 3	718.01	25.04	63575	12	0.00520482	1.58613127	0.039311564	9.6022342e-252	0	0.014776656
O08553	Dpysl2	Dihydropyrimidinase-related protein 2	1562.05	53.5	62278	23	0.00524517	1.31096077	0.039511735	3.6692741e-251	0	0.014851898
Q9WV03	Fam50a	Protein FAM50A	137.26	12.68	40252	3	0.00527148	1.90574902	0.039605481	1.4001542e-250	0	0.014887136
P05201	Got1	Aspartate aminotransferase, cytoplasmic	924.57	44.79	46248	16	0.00535063	1.71883766	0.040094628	5.3353062e-250	0	0.015070999
P42208	Sept2	Septin-2	584.36	35.73	41526	9	0.00538269	1.34656484	0.040229274	2.0301612e-249	0	0.015121611
P29067	Arb2	Beta-arrestin-2	574.04	23.17	46340	10	0.00540301	1.63185773	0.040275717	7.7141725e-249	0	0.015139068
P10711	Tcea1	Transcription elongation factor A protein 1	529.83	39.87	33880	9	0.00543404	2.29045707	0.040401554	2.9270875e-248	0	0.015186368
Q9WVA3	Bub3	Mitotic checkpoint protein BUB3	519.29	29.45	36955	9	0.00548172	1.32025427	0.040556638	1.1090971e-247	0	0.015244662
P97429	Anxa4	Annexin A4	1299.64	55.17	35916	18	0.00548331	0.71226128	0.040556638	4.1965345e-247	0	0.015244662
Q61792	Lasp1	LIM and SH3 domain protein 1	380.74	20.15	29994	6	0.00551118	1.79878452	0.040617986	1.585621e-246	0	0.015267722
Q4KM65	Nudt21	Cleavage and polyadenylation specificity factor subunit 5 =2	384.5	36.12	26240	7	0.00552006	1.36141504	0.040617986	5.9826722e-246	0	0.015267722
Q9ESL4	Map3k20	Mitogen-activated protein kinase kinase kinase	49.37	1.37	91720	1	0.00559181	2.37155768	0.04078946	2.2541261e-245	0	0.015332176
Q9CQX2	Cyb5b	Cytochrome b5 type B	95.89	15.75	16318	2	0.0055933	0.69418288	0.04078946	8.4810242e-245	0	0.015332176
Q5M823	Nudcd2	NudC domain-containing protein 2	356.7	43.95	17674	6	0.00560284	1.82210844	0.04078946	3.1864376e-244	0	0.015332176
P35444	Comp	Cartilage oligomeric matrix protein	38.6	1.06	82664	1	0.00563258	3.17840437	0.04078946	1.1954997e-243	0	0.015332176
Q6URW6	Myh14	Myosin-14	471.68	4.1	228586	9	0.00563287	1.40389211	0.04078946	4.478993e-243	0	0.015332176
P62482	Kcnab2	Voltage-gated potassium channel subunit beta-2	227.05	22.62	41021	5	0.00563724	2.82678233	0.04078946	1.675707e-242	0	0.015332176
P05063	Aldoc	Fructose-bisphosphate aldolase C	1552.97	64.74	39395	24	0.00564338	1.81975169	0.04078946	6.2604056e-242	0	0.015332176
Q9QXG4	Acss2	Acetyl-coenzyme A synthetase, cytoplasmic	195.12	6.42	78862	3	0.00567906	2.82906871	0.040849784	2.3355732e-241	0	0.015354851
Q8BMJ3	Eif1ax	Eukaryotic translation initiation factor 1A, X-chromosomal =2	257.75	36.81	16460	5	0.00569346	1.77958202	0.040849784	8.701037e-241	0	0.015354851
Q8R4X3	Rbm12	RNA-binding protein 12	166.15	4.03	102796	4	0.00569465	2.87740812	0.040849784	3.2369427e-240	0	0.015354851
P24547	Impdh2	Inosine-5'-monophosphate dehydrogenase 2	1327.83	39.49	55815	21	0.00576235	1.93530609	0.041130473	1.2025008e-239	0	0.015460358
P83732	Rpl24	60S ribosomal protein L24	525.09	37.58	17779	10	0.00576259	1.60988815	0.041130473	4.4608952e-239	0	0.015460358
Q8VE47	Uba5	Ubiquitin-like modifier-activating enzyme 5	172.25	12.16	44790	3	0.00584772	3.8229462	0.041530951	1.6525129e-238	0	0.015610892
Q9Z120	Mettl1	tRNA (guanine-N(7)-)-methyltransferase	51.03	5.6	36703	1	0.00584779	4.68577015	0.041530951	6.1129919e-238	0	0.015610892
P54103	Dnajc2	DnaJ homolog subfamily C member 2	106.76	5.64	71722	2	0.00587671	3.59983934	0.041614304	2.2581293e-237	0	0.015642224
Q3UFY7	Nt5c3b	7-methylguanosine phosphate-specific 5'-nucleotidase	74.92	6.67	34425	2	0.00588868	2.43508794	0.041614304	8.3297073e-237	0	0.015642224

P98078	Dab2	Disabled homolog 2	1050.78	29.63	82312	15	0.00603409	1.73381721	0.042412412	3.0682909e-236	0	0.015942221
Q9D8W5	Psm12	26S proteasome non-ATPase regulatory subunit 12	660.49	26.75	52895	12	0.0060445	1.73240867	0.042412412	1.1286235e-235	0	0.015942221
Q9D8E6	Rpl4	60S ribosomal protein L4	1231.25	43.44	47154	19	0.00605106	1.31501654	0.042412412	4.1455992e-235	0	0.015942221
P23492	Pnp	Purine nucleoside phosphorylase	615.23	31.83	32277	10	0.00606104	2.48730988	0.042412412	1.5205865e-234	0	0.015942221
Q9DCD0	Pgd	6-phosphogluconate dehydrogenase, decarboxylating	1873.08	56.52	53247	26	0.0061289	1.63372804	0.042669553	5.5695544e-234	0	0.016038877
O35129	Phb2	Prohibitin-2	1314.53	74.25	33296	22	0.00613952	0.67416531	0.042669553	2.0371133e-233	0	0.016038877
Q3ZAV8	Edc4	Enhancer of mRNA-decapping protein 4	254.96	5.12	152596	4	0.00614262	2.46379115	0.042669553	7.4403819e-233	0	0.016038877
Q64701	Rbl1	Retinoblastoma-like protein 1	57.19	0.85	119456	1	0.00615889	3.07850634	0.042678733	2.7136917e-232	0	0.016042327
D3ZZW6	Hils1	Spermatid-specific linker histone H1-like protein	37.27	4.14	18617	1	0.00619043	2.68735178	0.042711892	9.8835034e-232	0	0.016054791
Q00519	Xdh	Xanthine dehydrogenase/oxidase	738.76	15.43	146562	13	0.0061936	1.74644935	0.042711892	3.5945652e-231	0	0.016054791
O70325	Gpx4	Phospholipid hydroperoxide glutathione peroxidase	95.59	11.68	22229	2	0.00622928	1.89466517	0.042854442	1.3054696e-230	0	0.016108374
P61078	Ube2d3	Ubiquitin-conjugating enzyme E2 D3	189.62	36.05	16687	3	0.00637929	2.9361526	0.043780914	4.7344772e-230	0	0.016456621
Q9D0F9	Pgm1	Phosphoglucomutase-1	431.85	17.08	61418	7	0.00639796	1.82094558	0.043803784	1.7145969e-229	0	0.016465218
O70194	Eif3d	Eukaryotic translation initiation factor 3 subunit D	987.19	39.42	63989	16	0.00644004	1.84514978	0.043863657	6.2006429e-229	0	0.016487723
Q9CXW3	Cacybp	Calcyclin-binding protein	332.08	27.07	26510	6	0.00644162	2.10831289	0.043863657	2.2392159e-228	0	0.016487723
Q9JHR7	Ide	Insulin-degrading enzyme	208.6	6.18	117772	5	0.00645733	3.6663639	0.043863657	8.0749473e-228	0	0.016487723
Q8RIQ8	Dync1l1	Cytoplasmic dynein 1 light intermediate chain 1	437.14	22.18	56614	7	0.00646816	2.00165858	0.043863657	2.9078218e-227	0	0.016487723
Q9JM90	Stap1	Signal-transducing adaptor protein 1	307.24	36.03	34628	7	0.00650804	1.4104395	0.044029514	1.0456351e-226	0	0.016550067
Q9JUT0	Rcl1	RNA 3'-terminal phosphate cyclase-like protein	40.41	2.14	40841	1	0.00652937	2.28972131	0.044069418	3.7547127e-226	0	0.016565066
Q8OU87	Usp8	Ubiquitin carboxyl-terminal hydrolase 8	305.92	7.96	122611	7	0.00654616	2.05181841	0.04407852	1.346348e-225	0	0.016568487
Q8COC7	Farsa	Phenylalanine--tRNA ligase alpha subunit	426.86	15.94	57599	9	0.00657947	1.87635883	0.044198586	4.8208315e-225	0	0.016613618
Q9QXK3	Copg2	Coatomer subunit gamma-2	486.4	11.14	97681	8	0.00659819	1.81102758	0.044220267	1.7237348e-224	0	0.016621768
O54940	Bnip2	BCL2/adenovirus E1B 19 kDa protein-interacting protein 2	69.71	7.67	37769	2	0.00666301	2.28902636	0.044550092	6.1546407e-224	0	0.016745745
O54984	Asna1	ATPase Asna1	230.76	14.08	38823	5	0.00671416	1.86585275	0.044787207	2.1944144e-223	0	0.016834873
Q9EPB4	Pycard	Apoptosis-associated speck-like protein containing a CARD	168.67	25.39	21459	3	0.00675571	2.52268986	0.04482168	7.8130061e-223	0	0.01684783
P25113	Pgam1	Phosphoglycerate mutase 1	1504.19	77.17	28832	22	0.00681622	1.68173055	0.04482168	2.7778011e-222	0	0.01684783
P70697	Urod	Uroporphyrinogen decarboxylase	325.71	25.89	40692	6	0.00681714	1.45771733	0.04482168	9.8620569e-222	0	0.01684783
Q78PY7	Snd1	Staphylococcal nuclease domain-containing protein 1	2541.63	56.15	102088	42	0.00681769	1.46504178	0.04482168	3.4963678e-221	0	0.01684783
Q9Z0N1	Eif2s3x	Eukaryotic translation initiation factor 2 subunit 3, X-linked	1076	43.64	51065	18	0.00681801	1.43493524	0.04482168	1.2377983e-220	0	0.01684783
P43277	Hist1h1d	Histone H1.3	813.93	38.01	22100	13	0.00684338	0.50916791	0.04482168	4.3758831e-220	4.9406565e-324	0.01684783
Q78ZA7	Nap1l4	Nucleosome assembly protein 1-like 4	581.64	29.87	42679	8	0.00684464	1.66369498	0.04482168	1.5447723e-219	2.4703282e-323	0.01684783
Q80X50	Ubap2l	Ubiquitin-associated protein 2-like	395.32	10.03	116799	6	0.00684492	2.03690191	0.04482168	5.4456045e-219	1.5316035e-322	0.01684783
Q99LE6	Abcf2	ATP-binding cassette sub-family F member 2	124.97	5.57	71782	3	0.00690356	2.69060936	0.045065665	1.9169485e-218	9.0908079e-322	0.016939541
Q6P6U0	Fgr	Tyrosine-protein kinase Fgr	82.48	2.9	58821	2	0.00691375	1.7132148	0.045065665	6.7384095e-218	5.4594254e-321	0.016939541
Q4QQT6	Brix1	Ribosome biogenesis protein BRX1 homolog	199.78	13.07	41115	5	0.00696295	0.59448842	0.045282943	2.3653035e-217	3.2677502e-320	0.017021213
Q5U211	Snx3	Sorting nexin-3	327.21	52.47	18762	6	0.00698745	1.62607385	0.04533905	8.2908444e-217	1.9467669e-319	0.017042303
Q8VCN5	Cth	Cystathionine gamma-lyase	407.83	22.61	43567	7	0.00700793	1.80907322	0.045368816	2.9019702e-216	1.1567658e-318	0.017053491
Q5U2Z5	Cmtr1	Cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1	66.09	1.79	95619	2	0.00702654	2.9067964	0.045380525	1.0143067e-215	6.8571519e-318	0.017057892
Q3SWU3	Hnrmpd1	Heterogeneous nuclear ribonucleoprotein D-like	123.18	16.46	35294	3	0.00704577	0.65139699	0.045380525	3.5401995e-215	4.0557207e-317	0.017057892
Q64378	Fkbp5	Peptidyl-prolyl cis-trans isomerase FKBP5	520.51	25.44	50966	10	0.00712031	1.55158384	0.045380525	1.2338664e-214	2.3933204e-316	0.017057892
Q9JMH6	Txnrd1	Thioredoxin reductase 1, cytoplasmic	1055.88	42.09	67084	15	0.00713241	1.84782982	0.045380525	4.2942802e-214	1.4036648e-315	0.017057892
P42567	Eps15	Epidermal growth factor receptor substrate 15	51.17	1.23	98471	1	0.00714596	4.28713371	0.045380525	1.4924313e-213	8.2178841e-315	0.017057892
O89023	Tpp1	Tripeptidyl-peptidase 1	296.49	13.7	61342	5	0.0071549	1.62971152	0.045380525	5.179406e-213	4.8022768e-314	0.017057892
Q91YP3	Dera	Deoxyribose-phosphate aldolase	254.64	20.75	34975	5	0.00716126	1.89421225	0.045380525	1.7949281e-212	2.8019742e-313	0.017057892
P99027	Rplp2	60S acidic ribosomal protein P2	263.26	62.61	11651	3	0.00716341	2.17258442	0.045380525	6.2114867e-212	1.6326313e-312	0.017057892
O35593	Psm14	26S proteasome non-ATPase regulatory subunit 14	324.09	27.1	34577	6	0.007176	2.35039481	0.045380525	2.1464725e-211	9.5026509e-312	0.017057892
P62959	Hint1	Histidine triad nucleotide-binding protein 1	189.29	42.06	13777	4	0.00718104	2.4649992	0.045380525	7.4068962e-211	5.5210401e-311	0.017057892
Q9QUR6	Prep	Prolyl endopeptidase	725.52	24.23	80752	13	0.00719653	2.01997787	0.045380525	2.5522795e-210	3.2036304e-310	0.017057892
Q8BGD9	Eif4b	Eukaryotic translation initiation factor 4B	620.45	20.79	68840	10	0.00721203	1.39728324	0.045380525	8.7821554e-210	1.8552257e-309	0.017057892
Q8K214	Manba	Beta-mannosidase	285.63	6.6	100831	6	0.00721638	3.07340391	0.045380525	3.0175523e-209	1.0722218e-308	0.017057892

Q99N69	Lpxn	Leupaxin	263.87	17.88	43478	6	0.00725674	2.33403524	0.045534043	1.0353548e-208	6.1892449e-308	0.017115597
P15864	Hist1h1c	Histone H1.2	908.99	43.4	21267	14	0.00731404	0.51570212	0.045719444	3.5473508e-208	3.5595105e-307	0.017185287
O35226	Psmd4	26S proteasome non-ATPase regulatory subunit 4	465.89	32.45	40704	8	0.00731831	1.42849241	0.045719444	1.2136669e-207	2.0372966e-306	0.017185287
Q05D44	Eif5b	Eukaryotic translation initiation factor 5B	662.45	18.83	137616	14	0.00733704	2.01933919	0.045736365	4.1464386e-207	1.1646315e-305	0.017191647
Q60864	Stip1	Stress-induced-phosphoprotein 1	1023.65	37.57	62582	19	0.0073792	1.7885527	0.045898955	1.4145918e-206	6.6431034e-305	0.017252763
Q9JHU9	Isyn1	Inositol-3-phosphate synthase 1	818.03	29.62	60932	14	0.00741395	1.79778404	0.04593879	4.8191133e-206	3.7750625e-304	0.017267736
P53534	Pygb	Glycogen phosphorylase, brain form	585.22	16.71	96174	10	0.00741779	1.97380091	0.04593879	1.639393e-205	2.1383045e-303	0.017267736
Q8CHP8	Pgp	Glycerol-3-phosphate phosphatase	436.34	35.2	34541	8	0.00747113	2.33961052	0.046168979	5.5690211e-205	1.20976e-302	0.017354261
Q9CY64	Blvra	Biliverdin reductase A	357.3	18.64	33525	7	0.00750914	1.81834408	0.046303634	1.8890974e-204	6.8139047e-302	0.017404876
Q9Z0Y1	Dctn3	Dynactin subunit 3	38	4.3	20978	1	0.00755398	2.80869922	0.046479743	6.3989603e-204	3.8247862e-301	0.017471073
P11983	Tep1	T-complex protein 1 subunit alpha	2145.54	64.57	60449	31	0.00757772	1.61480301	0.04652556	2.164432e-203	2.1386836e-300	0.017488295
Q5XI41	Tram1	Translocating chain-associated membrane protein 1	194.05	6.95	43030	3	0.00761004	0.5845295	0.046623724	7.3106803e-203	1.19229285e-299	0.017525193
Q8BKC5	Ipo5	Importin-5	778.2	19.05	123591	14	0.00765254	1.74111687	0.046783724	2.4657602e-202	6.6339705e-299	0.017585335
Q64737	Gart	Trifunctional purine biosynthetic protein adenosine-3	1890.06	40.79	107503	29	0.00766986	1.76470249	0.046789453	8.3046814e-202	3.6757473e-298	0.017587488
Q9Z1D1	Eif3g	Eukaryotic translation initiation factor 3 subunit G	286.33	14.69	35638	5	0.00768709	1.52133001	0.046794549	2.79302e-201	2.0325169e-297	0.017589404
Q9CZ30	Ola1	Obg-like ATPase 1	564.72	28.03	44730	9	0.00776947	2.19304201	0.047023608	9.3800237e-201	1.1216125e-296	0.017675504
P67984	Rpl22	60S ribosomal protein L22	333.52	39.84	14759	5	0.00777038	1.71853035	0.047023608	3.1456653e-200	6.1515928e-296	0.017675504
Q6WVG3	Kctd12	BTB/POZ domain-containing protein KCTD12	561.19	42.2	35892	9	0.00778501	1.62230335	0.047023608	1.0534154e-199	3.3705834e-295	0.017675504
Q9WUK4	Rfc2	Replication factor C subunit 2	65.54	4.87	38725	2	0.00779866	2.4732084	0.047023608	3.5226152e-199	1.8434068e-294	0.017675504
Q9DBG5	Plin3	Perilipin-3	847.34	42.79	47262	13	0.00785389	1.72692256	0.047023608	1.1762755e-198	1.0063817e-293	0.017675504
Q7TSS2	Ube2q1	Ubiquitin-conjugating enzyme E2 Q1	38.05	1.9	46173	1	0.00785406	3.06128822	0.047023608	3.922212e-198	5.4702576e-293	0.017675504
Q9ERK4	Cse11	Exportin-2	802.11	18.54	110455	15	0.00789034	1.54449041	0.047023608	1.3059637e-197	2.9706041e-292	0.017675504
P62278	Rps13	40S ribosomal protein S13	404.73	43.71	17222	8	0.00790672	2.01241563	0.047023608	4.3421921e-197	1.6080674e-291	0.017675504
Q6P5G6	Ubxn7	UBX domain-containing protein 7	42.95	1.93	52164	1	0.00790766	3.25561281	0.047023608	1.4416662e-196	8.6880451e-291	0.017675504
O88456	Capns1	Calpain small subunit 1	189.41	15.99	28463	3	0.00792412	1.27678267	0.047023608	4.7796713e-196	4.6893229e-290	0.017675504
Q99J77	Nans	Sialic acid synthase	490.18	37.05	40024	9	0.00793508	2.24277646	0.047023608	1.5823729e-195	2.5261234e-289	0.017675504
P27870	Vav1	Proto-oncogene vav	383.45	11.12	98137	8	0.00795862	1.62161135	0.047023608	5.2311476e-195	1.3586318e-288	0.017675504
P29066	Arrb1	Beta-arrestin-1	217.49	11.96	47020	5	0.00798315	1.70536907	0.047023608	1.7268807e-194	7.2898573e-288	0.017675504
Q8R317	Ubqln1	Ubiquilin-1	106.21	5.5	61976	2	0.00798955	2.15652315	0.047023608	5.6925228e-194	3.9019553e-287	0.017675504
Q9Z0G0	Gipc1	PDZ domain-containing protein GIPC1	108.48	8.71	36129	2	0.00799121	3.43698779	0.047023608	1.873804e-193	2.0857875e-286	0.017675504
O35900	Lsm2	U6 snRNA-associated Sm-like protein LSm2	120.7	20	10835	1	0.00799141	2.13094294	0.047023608	6.1591435e-193	1.1137974e-285	0.017675504
Q9D8Y7	Tnfaip812	Tumor necrosis factor alpha-induced protein 8-like protein 2	57.02	7.61	20615	1	0.00800472	3.07808667	0.047023608	2.0215903e-192	5.9419417e-285	0.017675504
P63323	Rps12	40S ribosomal protein S12	632.64	62.88	14525	10	0.00802287	1.7334164	0.047033463	6.6258637e-192	3.1644024e-284	0.017679208
P80313	Cct7	T-complex protein 1 subunit eta	2365.11	69.49	59652	36	0.00804074	1.73947852	0.047068301	2.1685439e-191	1.6817827e-283	0.017692303
Q9JL35	Hmgn5	High mobility group nucleosome-binding domain-containing protein 5	149.55	10.1	45344	4	0.00807204	1.42439494	0.047068301	7.0871263e-191	8.9165702e-283	0.017692303
P80317	Cct6a	T-complex protein 1 subunit zeta	1456.67	53.3	58004	26	0.00807926	1.61717316	0.047068301	2.312854e-190	4.716014e-282	0.017692303
O54747	Pold1	DNA polymerase delta catalytic subunit 2	298.75	6.26	123601	7	0.00809476	1.8887157	0.047068301	7.537064e-190	2.4908874e-281	0.017692303
P05132	Prkaca	cAMP-dependent protein kinase catalytic subunit alpha	277.34	16.24	40571	5	0.0081253	1.86260395	0.047149833	2.4526298e-189	1.3131689e-280	0.01772295
P23198	Cbx3	Chromobox protein homolog 3	704.38	36.61	20855	10	0.00819582	0.80348985	0.047462603	7.969617e-189	6.9038002e-280	0.017840516
P35505	Fah	Fumarylacetoacetase	112.53	8.35	46176	2	0.00822505	2.38255824	0.047512778	2.5859398e-188	3.6111003e-279	0.017859376
P02798	Mt2	Metallothionein-2	66.51	19.67	6115	1	0.00823777	2.11729787	0.047512778	8.3786634e-188	1.8838106e-278	0.017859376
O88844	Idh1	Isocitrate dehydrogenase [NADP] cytoplasmic	804.68	35.27	46674	14	0.00825953	1.93935448	0.047542281	2.710855e-187	9.8107442e-278	0.017870465
Q6P9R2	Oxsr1	Serine/threonine-protein kinase OSR1	41.43	1.52	58214	1	0.00835677	2.44078635	0.048005192	8.7581608e-187	5.0980651e-277	0.018044467
Q9Z1F9	Uba2	SUMO-activating enzyme subunit 2	895.4	44.83	70569	16	0.00839548	1.99801439	0.048061956	2.8254944e-186	2.6318471e-276	0.018065804
Q3UM18	Lsg1	Large subunit GTPase 1 homolog	43.9	2.17	73157	1	0.00840032	2.90492971	0.048061956	9.1022923e-186	1.3543944e-275	0.018065804
P62196	Psmc5	26S proteasome regulatory subunit 8	759.97	40.39	45626	13	0.00841795	1.46347409	0.048066485	2.9280718e-185	6.9614611e-275	0.018067506
Q6PGG2	Gmip	GEM-interacting protein	94.61	1.03	107545	2	0.00847096	2.36276097	0.048187166	9.4056137e-185	3.571166e-274	0.018112868
Q9D0R2	Tars	Threonine--tRNA ligase, cytoplasmic	1509.11	42.52	83356	27	0.00847284	2.04525472	0.048187166	3.0169414e-184	1.8247604e-273	0.018112868
Q8BFQ8	Gatd1	Glutamine amidotransferase-like class 1 domain-containing protein 1	117.08	10.45	23277	2	0.0085287	2.29092412	0.048376425	9.663196e-184	9.3142059e-273	0.018184009
Q62192	Cd180	CD180 antigen	200.21	6.96	74302	3	0.00855097	2.57665573	0.048376425	3.0906421e-183	4.7349216e-272	0.018184009
P36876	Ppp2r2a	Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform	410.72	18.79	51678	8	0.00855695	1.87381665	0.048376425	9.8707583e-183	2.4017591e-271	0.018184009

Q99MZ7	Pecr	Peroxisomal trans-2-enoyl-CoA reductase	118.11	7.92	32410	2	0.00861991	1.5637501	0.048636066	3.147937e-182	1.2167216e-270	0.018281604
Q9Z255	Ube2a	Ubiquitin-conjugating enzyme E2 A	52.41	6.58	17315	1	0.00865117	3.67761422	0.04868249	1.0024786e-181	6.1365649e-270	0.018299054
Q62261	Sptbn1	Spectrin beta chain, non-erythrocytic 1	49.45	0.38	274223	1	0.00866224	2.99128282	0.04868249	3.1878477e-181	3.086747e-269	0.018299054
Q91YR9	Ptgr1	Prostaglandin reductase 1	402.74	27.36	35560	8	0.00868969	1.91291091	0.048725682	1.0122628e-180	1.5502529e-268	0.018315289
Q9ERS2	Ndufa13	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13	147.52	13.89	16860	3	0.00870406	0.77353867	0.048725682	3.2096826e-180	7.7667696e-268	0.018315289
O89053	Coro1a	Coronin-1A	1683.42	52.93	50989	27	0.00873765	1.28930416	0.048817969	1.0162577e-179	3.8844221e-267	0.018349978
Q64674	Srm	Spermidine synthase	395.57	28.48	33995	7	0.0088168	1.90474247	0.049117396	3.2130563e-179	1.9373457e-266	0.018462529
Q02356	Ampd2	AMP deaminase 2	86.4	2.43	94787	2	0.00882565	2.40834644	0.049117396	1.0143912e-178	9.6121093e-266	0.018462529
P50518	Atp6v1e1	V-type proton ATPase subunit E 1	463.81	41.59	26157	8	0.00890692	1.32786387	0.049473253	3.1979013e-178	4.762271e-265	0.018596291
P35564	Canx	Calnexin	1249.29	39.09	67278	21	0.00902048	0.753786	0.05000675	1.0066927e-177	2.3470015e-264	0.018796824
Q91YJ3	Thyn1	Thymocyte nuclear protein 1	78.47	6.64	26178	2	0.00907211	2.50987416	0.050195477	3.1644698e-177	1.1486807e-263	0.018867764
Q9CPV4	Glod4	Glyoxalase domain-containing protein 4	677.95	56.71	33317	16	0.00911942	2.00870778	0.050359663	9.93292e-177	5.6015309e-263	0.018929479
Q91X52	Dcxr	L-xylulose reductase	44.07	4.51	25746	1	0.0091447	1.92331926	0.050401793	3.113327e-176	2.7223294e-262	0.018945315
Q505F5	Lrrc47	Leucine-rich repeat-containing protein 47	210.41	12.39	63590	5	0.00918532	1.7244512	0.050514305	9.7441551e-176	1.3200838e-261	0.018987607
Q9EQH3	Vps35	Vacuolar protein sorting-associated protein 35	641.53	19.35	91713	10	0.00920537	1.93126834	0.050514305	3.0453353e-175	6.381879e-261	0.018987607
Q3V1L4	Nt5c2	Cytosolic purine 5'-nucleotidase	252.59	10.18	64809	5	0.0092182	2.43344306	0.050514305	9.5038018e-175	3.0792412e-260	0.018987607
Q80UG5	Sept9	Septin-9	280.17	15.09	65575	6	0.0092532	1.77628273	0.050530854	2.9616298e-174	1.4833658e-259	0.018993827
Q3TIR1	Trappe13	Trafficking protein particle complex subunit 13	96.87	8.87	46477	2	0.00925662	2.12968367	0.050530854	9.2158453e-174	7.1264209e-259	0.018993827
Q76MZ3	Ppp2r1a	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	1267.77	41.77	65323	20	0.00934005	1.6280552	0.050889026	2.8635871e-173	3.419897e-258	0.019128459
Q8VEE0	Rpe	Ribulose-phosphate 3-epimerase	100.14	8.33	24945	1	0.00939415	3.62069489	0.051086271	8.8849761e-173	1.632731e-257	0.019202601
P49138	Mapkapk2	MAP kinase-activated protein kinase 2	166.15	10.88	44050	4	0.00948927	1.83737216	0.051485898	2.7527871e-172	7.7666184e-257	0.019352815
P11440	Cdk1	Cyclin-dependent kinase 1	541.72	49.49	34107	12	0.0095037	2.17797979	0.051485898	8.5164638e-172	3.6735795e-256	0.019352815
P26638	Sars	Serine--tRNA ligase, cytoplasmic	726.71	29.69	58389	14	0.00955815	1.81522605	0.051609384	2.6309714e-171	1.7347398e-255	0.019399232
P62869	Elob	Elongin-B	518.34	66.95	13170	10	0.00958745	2.1082206	0.051609384	8.1160168e-171	8.1622938e-255	0.019399232
P22509	Fbl	rRNA 2'-O-methyltransferase fibrillarlin	918.82	58.1	34222	16	0.00958939	0.58978314	0.051609384	2.4999974e-170	3.8314595e-254	0.019399232
Q99KQ4	Nampt	Nicotinamide phosphoribosyltransferase	468.5	22.81	55447	9	0.0095988	2.38541165	0.051609384	7.6896363e-170	1.7966857e-253	0.019399232
Q53UA7	Taok3	Serine/threonine-protein kinase TAO3	164.73	5.01	105474	4	0.00966163	1.58426721	0.051849514	2.3617913e-169	8.4134964e-253	0.019489493
P27612	Plaa	Phospholipase A-2-activating protein	554.38	17.76	87221	10	0.00971758	2.20197639	0.052051946	7.2434674e-169	3.9242014e-252	0.019565584
Q61699	Hsph1	Heat shock protein 105 kDa	570.99	15.27	96407	10	0.00975393	2.16231721	0.052148801	2.2183018e-168	1.8236868e-251	0.019601991
Q9JK38	Gnpat1	Glucosamine 6-phosphate N-acetyltransferase	68.79	5.98	20791	1	0.00980558	4.51066399	0.052172983	6.7836541e-168	8.4525723e-251	0.01961108
Q920A5	Secep1	Retinoid-inducible serine carboxypeptidase	331.76	19.03	50965	7	0.00983286	2.06660727	0.052172983	2.0714551e-167	3.9043972e-250	0.01961108
Q9D8S9	Bola1	BoLA-like protein 1	105.43	17.52	14379	3	0.00984486	2.54467908	0.052172983	6.316201e-167	1.7995081e-249	0.01961108
P62702	Rps4x	40S ribosomal protein S4, X isoform	1362.98	65.78	29598	24	0.00984977	1.43164007	0.052172983	1.9231129e-166	8.2814061e-249	0.01961108
P51432	Plcb3	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3	298.04	7.46	139487	6	0.00984982	1.5697995	0.052172983	5.8468485e-166	3.8067127e-248	0.01961108
P86182	Ccdc22	Coiled-coil domain-containing protein 22	83.65	4.31	70855	2	0.00990692	3.48111012	0.052326846	1.7750352e-165	1.7481979e-247	0.019668915
Q8KZ24	Ncapd2	Condensin complex subunit 1	266.42	6.03	155665	6	0.00993117	1.96535389	0.052326846	5.3809627e-165	7.9994203e-247	0.019668915
Q9CQ08	Lsm7	U6 snRNA-associated Sm-like protein LSm7	97.25	15.53	11636	2	0.00994289	1.35739691	0.052326846	1.6288485e-164	3.6528212e-246	0.019668915
Q62167	Ddx3x	ATP-dependent RNA helicase DDX3X	1692.59	47.58	73101	27	0.00996668	1.35067254	0.052326846	4.923443e-164	1.6655415e-245	0.019668915
P62317	Snrpd2	Small nuclear ribonucleoprotein Sm D2	359.22	52.54	13527	7	0.00997535	0.69937996	0.052326846	1.4860194e-163	7.5787085e-245	0.019668915
O08739	Ampd3	AMP deaminase 3	42.12	0.91	88652	1	0.00998884	2.95916924	0.052326846	4.4786507e-163	3.4439263e-244	0.019668915
Q8CAY6	Acat2	Acetyl-CoA acetyltransferase, cytosolic	363.97	27.46	41298	6	0.01001431	1.71912307	0.052364217	1.3478355e-162	1.5625491e-243	0.019682963
Q04447	Ckb	Creatine kinase B-type	1790.38	66.4	42713	25	0.01004071	1.76684578	0.052384653	4.0503577e-162	7.07447e-243	0.019690644
Q9R1P4	Psmal1	Proteasome subunit alpha type-1	707.76	64.64	29547	15	0.01005492	1.78298285	0.052384653	1.2153923e-161	3.1960788e-242	0.019690644
P24155	Thop1	Thimet oligopeptidase	192.1	5.53	78385	4	0.01012575	2.77871981	0.052657568	3.6417152e-161	1.4416144e-241	0.019793229
Q8CI33	Cwf1911	CWF19-like protein 1	80.37	5.4	60193	2	0.01021588	2.49364198	0.053029713	1.0895865e-160	6.4753618e-241	0.019933113
Q8BGB7	Enoph1	Enolase-phosphatase E1	71.49	5.45	28600	2	0.0102522	1.80695207	0.053121676	3.2552438e-160	2.8939762e-240	0.019967681
Q9WUA2	Farsb	Phenylalanine--tRNA ligase beta subunit	563.32	21.9	65697	12	0.01028005	1.69248441	0.053169444	9.7111615e-160	1.2900571e-239	0.019985636
Q64514	Tpp2	Tripeptidyl-peptidase 2	987.35	24.25	139879	19	0.01032464	1.85295568	0.05323862	2.8928406e-159	5.7381782e-239	0.020011638
Q9CRB9	Chchd3	MICOS complex subunit Mic19	349.08	19.82	26335	6	0.01033072	0.69387607	0.05323862	8.6048505e-159	2.5448791e-238	0.020011638
P60892	Prps1	Ribose-phosphate pyrophosphokinase 1	692	38.99	34834	14	0.01036453	1.60037607	0.053255295	2.5558034e-158	1.1272926e-237	0.020017906
P54313	Gmb2	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	1122.22	60.29	37331	16	0.01037126	0.71657762	0.053255295	7.5801302e-158	4.9813463e-237	0.020017906
O88342	Wdr1	WD repeat-containing protein 1	1345.48	49.83	66407	20	0.01039161	1.64264009	0.053263996	2.244868e-157	2.1984685e-236	0.020021177
Q9QZE7	Tsnax	Translin-associated protein X	278.92	21.03	32926	5	0.01048432	2.31386257	0.053631741	6.6384955e-157	9.684898e-236	0.020159407

Q63945	Set	Protein SET	508.91	37.72	33406	9	0.01051679	1.59003892	0.053631741	1.9602572e-156	4.2451377e-235	0.020159407
Q99JW2	Acy1	Aminoacylase-1	645.02	33.09	45781	9	0.01051971	1.81407272	0.053631741	5.7799061e-156	1.8563772e-234	0.020159407
Q8C7X2	Emc1	ER membrane protein complex subunit 1	955.99	25.88	111605	17	0.01057493	0.70370891	0.053817157	1.7017379e-155	8.1092111e-234	0.020229102
Q6P3D0	Nudt16	U8 snoRNA-decapping enzyme	115.72	11.79	21825	2	0.01061106	2.60849582	0.053829062	5.0029767e-155	3.5305506e-233	0.020233577
P43275	Hist1h1a	Histone H1.1	511.19	36.15	21785	9	0.01061498	0.55716017	0.053829062	1.468683e-154	1.5332799e-232	0.020233577
Q60591	Nfatc2	Nuclear factor of activated T-cells, cytoplasmic 2	230.88	9.39	100020	5	0.01070606	1.9257825	0.054194706	4.3051789e-154	6.651505e-232	0.020371017
P0C0A2	Vps36	Vacuolar protein-sorting-associated protein 36	173.53	11.14	43718	4	0.01082761	1.77229739	0.05470511	1.2601368e-153	2.8715441e-231	0.020562871
P50247	Ahecy	Adenosylhomocysteinase	1277.03	48.15	47688	19	0.01084522	1.73920659	0.05470511	3.6830478e-153	1.2321596e-230	0.020562871
P70248	Myo1f	Unconventional myosin-I f	294.48	6.01	125947	7	0.01087168	1.61892479	0.054741883	1.07488e-152	5.2782791e-230	0.020576693
O70310	Nmt1	Glycylpeptide N-tetradecanoyltransferase 1	726.13	33.47	56888	12	0.01090775	1.38588789	0.054826826	3.1323867e-152	2.2564751e-229	0.020608622
Q63068	Phax	Phosphorylated adapter RNA export protein	46.11	2.86	43166	1	0.01092966	2.19356808	0.054840406	9.11493e-152	9.6229556e-229	0.020613727
P16409	Myl3	Myosin light chain 3	92.24	12	22156	2	0.0110027	2.18922783	0.055051224	2.6484615e-151	4.0962331e-228	0.02069297
Q9CWX9	Atic	Bifunctional purine biosynthesis protein PURH	2010.74	67.74	64217	32	0.01101045	1.7369973	0.055051224	7.6841555e-151	1.7367613e-227	0.02069297
Q6MG61	Clic1	Chloride intracellular channel protein 1	1265.48	61.41	26981	19	0.01102953	1.80366427	0.055051224	2.2261816e-150	7.3544804e-227	0.02069297
Q80V11	Trim56	E3 ubiquitin-protein ligase TRIM56	48.54	2.72	79513	1	0.01111466	3.63591993	0.055240427	6.4400139e-150	3.1089735e-226	0.020764089
Q63413	Ddx39b	Spliceosome RNA helicase Ddx39b	1416.09	64.02	49035	24	0.0111231	1.31607707	0.055240427	1.8602639e-149	1.3084628e-225	0.020764089
Q6DGG1	Abhd14b	Protein ABHD14B	72.93	10	22618	2	0.01113292	3.51425695	0.055240427	5.3656665e-149	5.499857e-225	0.020764089
Q99KP3	Cry11	Lambda-crystallin homolog	78.16	5.64	35209	1	0.01114483	3.57223015	0.055240427	1.5453752e-148	2.3086727e-224	0.020764089
O80539	Bin1	Myc box-dependent-interacting protein 1	257.22	14.12	64470	5	0.0111887	1.52600394	0.055269842	4.444318e-148	9.6773563e-224	0.020775145
Q8VD75	Hip1	Huntingtin-interacting protein 1	62.6	1.65	115202	1	0.01118964	5.31449526	0.055269842	1.2762538e-147	4.0455018e-223	0.020775145
O70551	Srpk1	SRSF protein kinase 1	288.67	11.27	73088	5	0.01120884	1.50903915	0.055269842	3.6595652e-147	1.6895253e-222	0.020775145
P62137	Ppp1ca	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	1025.09	49.09	37540	16	0.01138897	1.39964862	0.055968635	1.0478093e-146	7.0438924e-222	0.021037812
Q5XIG8	Strap	Serine-threonine kinase receptor-associated protein	524.02	46.57	38456	8	0.01138976	2.26597335	0.055968635	2.995678e-146	2.9129222e-221	0.021037812
P63280	Ube2i	SUMO-conjugating enzyme UBC9	275.56	27.85	18007	5	0.01147093	1.60569575	0.056270625	8.5520039e-146	1.2034459e-220	0.021151326
Q62698	Dync1li2	Cytoplasmic dynein 1 light intermediate chain 2	284.19	13.08	54745	5	0.01150579	1.6233118	0.056340074	2.4378127e-145	4.9514163e-220	0.02117743
Q9QZL0	Ripk3	Receptor-interacting serine/threonine-protein kinase 3	73.14	5.76	53322	2	0.0115275	2.0604972	0.056340074	6.9389261e-145	2.0325191e-219	0.02117743
O35303	Dnm1l	Dynamin-1-like protein	296.86	8.61	83908	6	0.01154429	2.30301187	0.056340074	1.9721659e-144	8.3284984e-219	0.02117743
Q99M31	Hspa14	Heat shock 70 kDa protein 14	198.91	10.81	54650	4	0.01162644	2.12728439	0.056644155	5.5969789e-144	3.4072937e-218	0.02129173
P01902	H2-K1	H-2 class I histocompatibility antigen, K-D alpha chain	430.13	23.1	41490	8	0.01165795	0.6008847	0.056700942	1.5860714e-143	1.3882379e-217	0.021313076
Q8CGI1	Fam193a	Protein FAM193A	37.06	0.81	136714	1	0.01169309	1.75439715	0.056717553	4.4879749e-143	5.6439869e-217	0.021319319
Q8BFY9	Tnpo1	Transportin-1	422.59	8.91	102357	8	0.0117011	2.14415203	0.056717553	1.2680504e-142	2.2893763e-216	0.021319319
Q810B6	Ankfy1	Rabankyrin-5	143.67	4.7	128653	4	0.01184922	1.72296151	0.057252893	3.5775093e-142	9.2749174e-216	0.021520546
Q9WVQ5	Apip	Methylthioribulose-1-phosphate dehydratase	149.19	15.35	26949	3	0.01185165	2.72759373	0.057252893	1.0078201e-141	3.7329467e-215	0.021520546
Q80YW0	Cyth4	Cytohesin-4	46.49	2.54	45285	1	0.01188443	2.69482828	0.057314266	2.8349343e-141	1.5008959e-214	0.021543615
Q9CS42	Prps2	Ribose-phosphate pyrophosphokinase 2	700.74	38.05	34786	13	0.0119677	1.62513729	0.057578943	7.9627031e-141	6.0215622e-214	0.021643104
Q9CWP6	Mospd2	Motile sperm domain-containing protein 2	103.84	3.47	59855	2	0.01197965	2.15775567	0.057578943	2.2332398e-140	2.4060763e-213	0.021643104
O35381	Anp32a	Acidic leucine-rich nuclear phosphoprotein 32 family member A	353.18	21.86	28538	6	0.01200003	1.87634178	0.057579952	6.2541355e-140	9.6009253e-213	0.021643483
P06801	Me1	NADP-dependent malic enzyme	94.39	3.15	63954	1	0.01210252	2.75799475	0.057974312	1.7488642e-139	3.8245799e-212	0.021791717
P61082	Ubc2m	NEDD8-conjugating enzyme Ubc12	183.33	30.05	20900	4	0.01215121	1.88287122	0.058073898	4.8831665e-139	1.5163678e-211	0.02182915
O35643	Ap1b1	AP-1 complex subunit beta-1	1039.42	27.47	103935	18	0.01216399	1.51999839	0.058073898	1.3614554e-138	5.9957892e-211	0.02182915
P08030	Aprt	Adenine phosphoribosyltransferase	923.16	78.89	19724	14	0.01227667	1.79366531	0.058420336	3.7901944e-138	2.3674581e-210	0.021959371
Q3UMY5	Eml4	Echinoderm microtubule-associated protein-like 4	105.37	3.64	110027	2	0.01230848	2.1701783	0.058420336	1.0535995e-137	9.3011191e-210	0.021959371
Q9D0B6	Pbdc1	Protein PBDC1	153.66	19.19	22223	3	0.01231399	2.24066499	0.058420336	2.9244578e-137	3.6465936e-209	0.021959371
Q8C052	Map1s	Microtubule-associated protein 1S	144.55	3.8	102939	3	0.0123184	2.17145469	0.058420336	8.1053298e-137	1.4280765e-208	0.021959371
B3GNI6	Septin11	Septin-11	380.63	20.88	49695	7	0.01239783	1.71428611	0.05869949	2.2431139e-136	5.5865504e-208	0.022064301
D2XV59	Gtpbp1	GTP-binding protein 1	230.46	10.01	72489	5	0.0124351	2.29960298	0.058778476	6.1985061e-136	2.1771877e-207	0.022093991
Q9JHW2	Nit2	Omega-amidase NIT2	523.68	35.87	30502	8	0.01248529	2.12730001	0.058826431	1.7103208e-135	8.4658036e-207	0.022112017
Q9ZZU0	PsmA7	Proteasome subunit alpha type-7	682.84	53.23	27855	12	0.01248645	1.72260325	0.058826431	4.7121895e-135	3.2829464e-206	0.022112017
Q9DB77	Uqcrc2	Cytochrome b-c1 complex subunit 2, mitochondrial	1094.11	41.94	48235	17	0.0125106	0.79083924	0.058843091	1.2963501e-134	1.2718587e-205	0.022118279
Q921M7	Fam49b	Protein FAM49B	700.82	35.49	36776	11	0.01258085	1.75199264	0.059076173	3.561033e-134	4.9185797e-205	0.022205891
Q9CQ65	Mtap	S-methyl-5'-thioadenosine phosphorylase	475.25	35.34	31062	8	0.01263748	1.89542819	0.0591214	9.7675047e-134	1.8956734e-204	0.022222891
Q9CQI7	Snrpb2	U2 small nuclear ribonucleoprotein B"	332.89	31.11	25323	8	0.0126376	0.76960361	0.0591214	2.6751303e-133	7.2849052e-204	0.022222891

A2BDX3	Mocs3	Adenylyltransferase and sulfurtransferase MOCS3	100.13	5.65	49375	3	0.01267218	2.1948769	0.0591214	7.3157644e-133	2.7969146e-203	0.022222891
O09131	Gsto1	Glutathione S-transferase omega-1	84.83	7.92	27498	2	0.01269984	2.35357993	0.0591214	1.9976882e-132	1.0715392e-202	0.022222891
Q9CQ60	Pgls	6-phosphogluconolactonase	786.36	87.16	27254	13	0.01270895	1.80419012	0.0591214	5.4468909e-132	4.0974723e-202	0.022222891
Q62422	Ostf1	Osteoclast-stimulating factor 1	344.67	34.42	23783	6	0.01271472	1.73464214	0.0591214	1.482936e-131	1.5648851e-201	0.022222891
Q8CGC7	Eprs	Bifunctional glutamate/proline--tRNA ligase	2295.82	34.06	170079	37	0.01281153	1.31936742	0.059387366	4.0313327e-131	5.969755e-201	0.022322864
O54988	Slk	STE20-like serine/threonine-protein kinase	481.02	11.03	141457	9	0.01281353	1.69198294	0.059387366	1.0942767e-130	2.2676662e-200	0.022322864
Q9CQA1	Trappc5	Trafficking protein particle complex subunit 5	105.25	19.15	20795	3	0.0129727	2.36419548	0.059969281	2.9659083e-130	8.6053152e-200	0.022541598
Q9ERF3	Wdr61	WD repeat-containing protein 61	97.8	12.46	33773	2	0.01298743	2.02274335	0.059969281	8.0267561e-130	3.2448913e-199	0.022541598
P62908	Rps3	40S ribosomal protein S3	1407.47	75.72	26674	25	0.01302561	1.61399595	0.059969281	2.169072e-129	1.2218402e-198	0.022541598
Q8CDG3	Vcpipl1	Deubiquitinating protein VCIPI135	100.37	2.54	134503	3	0.01303077	2.44878301	0.059969281	5.8527396e-129	4.590575e-198	0.022541598
Q91V12	Acot7	Cytosolic acyl coenzyme A thioester hydrolase	406.28	29.66	42537	8	0.01304695	1.78420048	0.059969281	1.5768686e-128	1.7228221e-197	0.022541598
O35626	Rasd1	Dexamethasone-induced Ras-related protein 1	38.44	2.5	31684	1	0.01306511	2.8785153	0.059969281	4.2421169e-128	6.4561457e-197	0.022541598
Q5SUF2	Luc7l3	Luc7-like protein 3	482.02	21.76	51450	7	0.01311282	1.44890002	0.059990123	1.1395158e-127	2.4156654e-196	0.022549432
Q9DCH4	Eif3f	Eukaryotic translation initiation factor 3 subunit F	516.21	24.93	37984	8	0.01311286	1.48395965	0.059990123	3.0563876e-127	9.0157913e-196	0.022549432
B5DF89	Cul3	Cullin-3	174.39	9.51	88932	4	0.01313269	3.3102099	0.059990123	8.185526e-127	3.3617387e-195	0.022549432
Q3UQ44	Iqgap2	Ras GTPase-activating-like protein IQGAP2	100.96	1.14	180528	2	0.01327023	1.69969628	0.060521586	2.1889438e-126	1.2515006e-194	0.022749201
Q9JHS3	Lamtor2	Ragulator complex protein LAMTOR2	72.28	8.8	13480	1	0.01336336	2.8526363	0.060849109	5.8448348e-126	4.6336513e-194	0.022872312
P13020	Gsn	Gelsolin	1715.16	48.85	85942	27	0.0133996	1.49176984	0.060916955	1.5583293e-125	1.7087984e-193	0.022897815
P22907	Hmbs	Porphobilinogen deaminase	323.75	17.73	39344	4	0.01349903	2.04810459	0.061197206	4.1485404e-125	6.2884449e-193	0.023003157
Q9Z2L0	Vdac1	Voltage-dependent anion-selective channel protein 1	1355.54	78.09	30756	18	0.01350411	0.52250336	0.061197206	1.1027582e-124	2.3046167e-192	0.023003157
P47758	Srprb	Signal recognition particle receptor subunit beta	333.17	31.97	29579	6	0.01357665	0.74200775	0.061428405	2.9269402e-124	8.4368377e-192	0.023090061
Q9CRC8	Lrrc40	Leucine-rich repeat-containing protein 40	133.78	4.32	68076	2	0.0137397	2.19980219	0.062010948	7.7570355e-124	3.0785711e-191	0.023309031
Q8K2T1	Nmrall1	NmrA-like family domain-containing protein 1	111.05	7.77	34376	3	0.01374884	2.53752836	0.062010948	2.0527016e-123	1.1165359e-190	0.023309031
Q63623	Scaf8	Protein SCAF8	74.72	0.95	139504	1	0.01380737	2.08475404	0.062176709	5.4238005e-123	4.0445493e-190	0.023371338
O08807	Prdx4	Peroxiredoxin-4	450.91	46.72	31053	10	0.01395586	2.76811746	0.062746412	1.4309656e-122	1.4610634e-189	0.023585482
P32067	Ssb	Lupus La protein homolog	849.81	33.49	47756	14	0.01404927	1.29962385	0.063067103	3.7696587e-122	5.248828e-189	0.023706025
Q9CYI4	Luc7l1	Putative RNA-binding protein Luc7-like 1	135.46	7.82	43934	3	0.01411179	1.65525478	0.063139667	9.9156677e-122	1.878484e-188	0.023733301
Q9CWZ7	Napg	Gamma-soluble NSF attachment protein	48.97	4.17	34732	1	0.0141369	1.67937104	0.063139667	2.6042863e-121	6.7025967e-188	0.023733301
P62715	PPP2cb	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	493.98	33.33	35575	9	0.01414021	1.85720761	0.063139667	6.8297069e-121	2.3879731e-187	0.023733301
Q8BH43	Wast2	Wiskott-Aldrich syndrome protein family member 2	243.43	10.66	54074	4	0.0141539	1.76279647	0.063139667	1.7883879e-120	8.4991136e-187	0.023733301
P61087	Ube2k	Ubiquitin-conjugating enzyme E2 K	373.07	50.5	22407	7	0.01423391	1.91908424	0.06339617	4.6759241e-120	3.0209103e-186	0.023829716
Q9CRA8	Exosc5	Exosome complex component RRP46	106.4	9.79	25194	2	0.01425812	0.01898853	0.06339617	1.2207282e-119	1.0701663e-185	0.023829716
P51859	Hdgf	Hepatoma-derived growth factor	430.74	49.37	26269	8	0.01427802	1.53840245	0.06339617	3.1821162e-119	3.7848512e-185	0.023829716
P70315	Was	Wiskott-Aldrich syndrome protein homolog	155.03	13.08	54192	3	0.01430815	2.08118404	0.063431327	8.2824414e-119	1.3365552e-184	0.023842931
P62814	Atp6v1b2	V-type proton ATPase subunit B, brain isoform	1654.45	68.3	56551	27	0.01434257	1.42240882	0.063485345	2.1525127e-118	4.7112098e-184	0.023863236
Q3UBX0	Tmem109	Transmembrane protein 109	111.18	11.52	26306	2	0.01440528	4.00209197	0.063664207	5.5857029e-118	1.657413e-183	0.023930468
Q9D7X3	Dusp3	Dual specificity protein phosphatase 3	600.66	59.46	20472	10	0.01453617	1.65690639	0.064143373	1.4472862e-117	5.8145781e-183	0.024110579
Q78JE5	Fbxo22	F-box only protein 22	41.06	2.24	44203	1	0.01466115	2.37868568	0.06459504	3.7443397e-117	2.0301479e-182	0.024280354
Q7TMB8	Cyfp1	Cytoplasmic FMR1-interacting protein 1	787.81	14.84	145241	17	0.01471263	1.25091146	0.064719565	9.6725286e-117	7.0558947e-182	0.024327162
O35095	Ncdn	Neurochondrin	96.84	4.39	78923	2	0.01474375	2.815497	0.064719565	2.4948733e-116	2.4464161e-181	0.024327162
P70202	Lxn	Latexin	127.05	9.46	25492	2	0.01476893	2.08135036	0.064719565	6.4254031e-116	8.4668237e-181	0.024327162
P59325	Eif5	Eukaryotic translation initiation factor 5	385.12	19.35	48968	8	0.01478009	1.78224297	0.064719565	1.6523248e-115	2.9254839e-180	0.024327162
Q8WTY4	Ciapin1	Anamorsin	240.31	22.33	33429	5	0.01484267	1.65625376	0.064894076	4.2426123e-115	1.0095721e-179	0.024392758
P61759	Vbp1	Prefoldin subunit 3	245.47	32.14	22436	5	0.01488227	3.02429811	0.064967699	1.0877119e-114	3.4745506e-179	0.024420432
Q8K0C9	Gmns	GDP-mannose 4,6 dehydratase	127.7	6.72	41985	2	0.01490694	3.41357701	0.06497606	2.784433e-114	1.1933568e-178	0.024423575
Q8BQM4	Heatr3	HEAT repeat-containing protein 3	196.51	7.22	74305	4	0.01497644	2.42281052	0.065055731	7.1170779e-114	4.0920228e-178	0.024453522
Q9D662	Sec23b	Protein transport protein Sec23B	697.68	21.51	86437	11	0.01500205	1.52518487	0.065055731	1.8163874e-113	1.3991063e-177	0.024453522
Q9Z0P5	Twf2	Twinfilin-2	386.7	32.95	39471	7	0.01501042	1.79281608	0.065055731	4.6286756e-113	4.7758468e-177	0.024453522
P61965	Wdr5	WD repeat-containing protein 5	83.17	4.19	36588	1	0.01504891	2.75348509	0.065055731	1.1777314e-112	1.6283514e-176	0.024453522
P97855	G3bp1	Ras GTPase-activating protein-binding protein 1	810.68	40.22	51829	15	0.01504985	1.63027786	0.065055731	2.9921045e-112	5.5408406e-176	0.024453522
P51807	Dynl1	Dynein light chain Tctex-type 1	61.35	15.93	12483	1	0.01506194	17.7155665	0.065055731	7.5901078e-112	1.8836109e-175	0.024453522
Q3UH60	Dip2b	Disco-interacting protein 2 homolog B	317.4	5.84	171126	6	0.01511714	1.79147728	0.065195541	1.9224699e-111	6.3952576e-175	0.024506074
Q8CAQ8	Immt	MICOS complex subunit Mic60	1617.9	46.24	83900	26	0.01519396	0.68102017	0.065427986	4.8619591e-111	2.1659728e-174	0.024593447
Q80UM3	Naa15	N-alpha-acetyltransferase 15, NatA auxiliary subunit	438.56	14.1	100961	9	0.0152971	2.01687204	0.065772931	1.2277301e-110	7.3133948e-174	0.024723107

Q8BWU5	Osgep	Probable tRNA N6-adenosine threonylcarbamoyltransferase	75.9	8.66	36301	2	0.01533964	2.81509265	0.065856669	3.0955234e-110	2.4600702e-173	0.024754583
Q9D7H3	RtcA	RNA 3'-terminal phosphate cyclase	185.8	12.02	39254	3	0.01548305	2.06913062	0.066372533	7.7929981e-110	8.2578801e-173	0.024948489
Q922Q8	Lrrc59	Leucine-rich repeat-containing protein 59	315.59	36.81	34877	7	0.01555039	1.54062892	0.06650003	1.9589081e-109	2.7586221e-172	0.024996413
Q8R4Y8	Rttm	Rotatin	42.11	0.31	248489	1	0.01557504	2.07710133	0.06650003	4.9165708e-109	9.1902324e-172	0.024996413
P49186	Mapk9	Mitogen-activated protein kinase 9	110.91	4.96	48017	2	0.01559938	3.311814	0.06650003	1.2321085e-108	3.0568497e-171	0.024996413
P59017	Bcl2l13	Bcl-2-like protein 13	41.92	6.45	46719	1	0.01560829	0.26098947	0.06650003	3.083002e-108	1.01517e-170	0.024996413
Q99KB8	Hagh	Hydroxyacylglutathione hydrolase, mitochondrial	132.61	21.36	34084	4	0.01562925	1.98663672	0.06650003	7.7025855e-108	3.3674421e-170	0.024996413
Q3UDE2	Ttl12	Tubulin--tyrosine ligase-like protein 12	345.5	12.36	74043	7	0.01576317	1.64064067	0.066970032	1.9214843e-107	1.1153663e-169	0.02517308
P07742	Rrm1	Ribonucleoside-diphosphate reductase large subunit	373.05	14.02	90210	7	0.01578926	1.60914388	0.066981198	4.7860193e-107	3.6777868e-169	0.025177277
Q9Z2U1	Psma5	Proteasome subunit alpha type-5	578.05	47.72	26411	8	0.01583882	1.58711045	0.067091749	1.1902798e-106	1.2107561e-168	0.025218832
B2RXC1	Trappc11	Trafficking protein particle complex subunit 11	47.95	0.79	128396	1	0.01586301	3.31444746	0.067094677	2.9557005e-106	3.9770375e-168	0.025219932
P97822	Anp32c	Acidic leucine-rich nuclear phosphoprotein 32 family member E	248.96	17.69	29622	4	0.01591827	2.07585116	0.067190838	7.3283837e-106	1.304328e-167	0.025256078
P31230	Aimp1	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1	401.65	45.16	33997	8	0.01594302	1.44267214	0.067190838	1.8142291e-105	4.2676153e-167	0.025256078
Q9QZB7	Actr10	Actin-related protein 10	165.92	7.43	46208	2	0.01595635	2.37493996	0.067190838	4.484478e-105	1.3941285e-166	0.025256078
P97930	Dtymk	Thymidylate kinase	129.43	16.04	23915	3	0.01606885	2.83954051	0.067564914	1.1067951e-104	4.5485057e-166	0.025396688
P04692	Tpm1	Tropomyosin alpha-1 chain	379.17	16.9	32681	7	0.01614003	2.10337603	0.067764402	2.7274564e-104	1.4783149e-165	0.025471673
D3ZYR1	Fcho2	F-BAR domain only protein 2	49.33	2.97	88712	1	0.01619426	4.95990748	0.067852396	6.7109401e-104	4.7914721e-165	0.025504748
Q8V175	Ipo4	Importin-4	163.73	3.51	119275	4	0.01621602	2.16938646	0.067852396	1.6487074e-103	1.5494145e-164	0.025504748
Q8R180	Ero1a	ERO1-like protein alpha	441.46	17.89	54084	8	0.01623229	2.30877581	0.067852396	4.0442518e-103	5.002936e-164	0.025504748
Q9J116	Akr1a1	Alcohol dehydrogenase [NADP(+)]	505.73	30.15	36587	10	0.0162974	1.88505218	0.06802498	9.9052823e-103	1.6132499e-163	0.02556962
P97825	Jpt1	Jupiter microtubule associated homolog 1	120.6	27.27	16081	2	0.01641496	2.64054647	0.06841565	2.4223077e-102	5.1887035e-163	0.025716467
P32233	Drg1	Developmentally-regulated GTP-binding protein 1	303.57	16.08	40512	5	0.01646357	1.73057007	0.068473111	5.9145979e-102	1.662367e-162	0.025738066
Q91VU7	Pus7	Pseudouridylylate synthase 7 homolog	118.04	6.52	74793	3	0.01647672	2.5797643	0.068473111	1.4419637e-101	5.3145417e-162	0.025738066
Q91Z53	Grhpr	Glyoxylate reductase/hydroxypyruvate reductase	235.94	19.51	35329	5	0.01651384	2.08089378	0.068527618	3.5100741e-101	1.6969225e-161	0.025758555
Q01405	Sec23a	Protein transport protein Sec23A	220.37	8.89	86162	4	0.01665716	2.37215928	0.069022036	8.5312137e-101	5.4082328e-161	0.025944399
O70593	Sgta	Small glutamine-rich tetratricopeptide repeat- containing protein alpha	316.14	23.89	34157	6	0.01669315	1.72117893	0.069070947	2.0703207e-100	1.7159509e-160	0.025962784
Q91VZ6	Smap1	Stromal membrane-associated protein 1	106.19	5.68	47660	2	0.01675411	2.68311641	0.06922286	5.0164488e-100	5.4346311e-160	0.026019886
Q9ET30	Tm9s3	Transmembrane 9 superfamily member 3	116.02	8.18	67545	3	0.01679848	0.5987049	0.069305854	1.2136314e-99	1.7170625e-159	0.026051082
Q8R5A3	Apbb1ip	Amyloid beta A4 precursor protein-binding family B member 1-interacting protein	68.3	5.07	74319	2	0.0168605	4.2251539	0.069461372	2.931626e-99	5.4141704e-159	0.026109539
Q9JK81	Myg1	UPF0160 protein MYG1, mitochondrial	436.13	21.32	42723	7	0.01689453	1.79718193	0.069501278	7.0706829e-99	1.7030311e-158	0.026124539
Q8BVY0	Rsl1d1	Ribosomal L1 domain-containing protein 1	1118.56	40.71	50421	14	0.0170327	0.61137556	0.069907069	1.7027265e-98	5.3475574e-158	0.02627707
Q9CZ13	Uqcr1	Cytochrome b-c1 complex subunit 1, mitochondrial	686.76	36.88	52852	12	0.01704214	0.7084771	0.069907069	4.0941037e-98	1.6720236e-157	0.02627707
P80316	Cct5	T-complex protein 1 subunit epsilon	1538.34	51.2	59624	25	0.01708744	1.62515589	0.069992303	9.8288545e-98	5.2219518e-157	0.026309109
Q8BVI4	Qdpr	Dihydropteridine reductase	199.9	26.56	25570	4	0.01711479	1.78978448	0.070003925	2.356008e-97	1.6276232e-156	0.026313477
Q62523	Zyx	Zyxin	398.79	21.99	60546	9	0.01714292	1.28669386	0.07000678	5.6387146e-97	5.065151e-156	0.02631455
Q6NSR8	Npepl1	Probable aminopeptidase NPEPL1	286.72	11.83	55940	5	0.01716453	2.30134053	0.07000678	1.3474499e-96	1.5737681e-155	0.02631455
P42227	Stat3	Signal transducer and activator of transcription 3	81.04	4.16	88054	2	0.01731568	1.95512811	0.070522493	3.2149484e-96	4.8827678e-155	0.0265084
Q4AE70	Carm1	Histone-arginine methyltransferase CARM1	184.16	9.06	70341	3	0.0174296	2.37955005	0.070819142	7.6588563e-96	1.5081437e-154	0.026619906
P58404	Strn4	Striatin-4	56.34	2.24	81645	1	0.01747234	3.38516958	0.070819142	1.8217218e-95	4.6415573e-154	0.026619906
P04256	Hnrnpa1	Heterogeneous nuclear ribonucleoprotein A1	1476.03	55.31	34212	21	0.01747623	0.68097114	0.070819142	4.3264143e-95	1.425789e-153	0.026619906
Q05816	Fabp5	Fatty acid-binding protein 5	1148.5	80	15137	16	0.01748774	1.8161267	0.070819142	1.0258922e-94	4.3753151e-153	0.026619906
O35142	Copb2	Coatomer subunit beta'	807.7	26.52	102551	15	0.0175581	1.68256182	0.070919966	2.4288609e-94	1.3410607e-152	0.026657804
Q5XJY5	Arcn1	Coatomer subunit delta	892.83	36.01	57229	18	0.01758785	1.57170575	0.070919966	5.7415678e-94	4.0999826e-152	0.026657804
B0BN18	Pfdn2	Prefoldin subunit 2 2	174.48	22.73	16580	3	0.01759836	1.68329694	0.070919966	1.3551425e-93	1.2514649e-151	0.026657804
Q9QUM9	Psma6	Proteasome subunit alpha type-6	783.67	64.63	27372	13	0.017612	1.71649876	0.070919966	3.1934915e-93	3.8154894e-151	0.026657804
P0C5H9	Manf	Mesencephalic astrocyte-derived neurotrophic factor	36.47	7.82	20388	1	0.0176572	2.83733187	0.071001853	7.514023e-93	1.1618362e-150	0.026688584
O70469	Dok2	Docking protein 2	161.91	9.22	45522	3	0.01768273	2.38547934	0.071004506	1.7652448e-92	3.5309285e-150	0.026689581
Q499W2	Gins4	DNA replication complex GINS protein SLD5	80.44	12.56	26062	2	0.01776032	2.10674748	0.071215897	4.1405943e-92	1.0714653e-149	0.02676904
Q9D8M4	Rpl7l1	60S ribosomal protein L7-like 1	216.52	19.92	28544	5	0.01788276	0.73673265	0.071379697	9.6971795e-92	3.2426472e-149	0.02683061
Q5U216	Ddx39a	ATP-dependent RNA helicase DDX39A =2	1069.77	50.12	49109	19	0.01788501	1.41957818	0.071379697	2.267529e-91	9.7773239e-149	0.02683061
Q6AYE2	Sh3glb1	Endophilin-B1 E=2	109.03	6.85	40787	2	0.01789076	2.15063206	0.071379697	5.2940084e-91	2.9452168e-148	0.02683061
Q62433	Ndrgl1	Protein NDRG1	343.89	26.14	43009	5	0.01790118	1.61292006	0.071379697	1.2340718e-90	8.862502e-148	0.02683061

P35738	Bckdhh	2-oxoisovalerate dehydrogenase subunit beta, mitochondrial	69.84	2.82	42823	1	0.01796007	3.43924875	0.071514639	2.8722344e-90	2.6637343e-147	0.026881333
Q9JHK5	Plek	Pleckstrin	545.19	45.14	39901	10	0.01812704	1.30661118	0.072047498	6.6745611e-90	7.9882286e-147	0.027081627
Q6NVF9	Cpsf6	Cleavage and polyadenylation specificity factor subunit 6	512.74	19.06	59153	8	0.01814436	1.3106189	0.072047498	1.5486332e-89	2.3845102e-146	0.027081627
P12382	Pfkf	ATP-dependent 6-phosphofructokinase, liver type	754.16	21.67	85360	13	0.01824917	1.58802836	0.072343258	3.5875428e-89	7.1085361e-146	0.027192799
Q91YL3	Uckl1	Uridine-cytidine kinase-like 1	82.25	3.28	60842	2	0.01830968	3.20306105	0.072343258	8.2978958e-89	2.1123226e-145	0.027192799
Q8BQ30	Ppp1r18	Phostensin	268.35	10.94	65630	6	0.01832528	1.4168226	0.072343258	1.9162884e-88	6.2627546e-145	0.027192799
Q9WTM5	Ruvb12	RuvB-like 2	874.24	33.26	51113	15	0.01833478	1.19119116	0.072343258	4.4185061e-88	1.8544769e-144	0.027192799
P18654	Rps6ka3	Ribosomal protein S6 kinase alpha-3	78.01	2.57	83694	2	0.01834554	2.08062546	0.072343258	1.0172118e-87	5.4851089e-144	0.027192799
P63168	Dynll1	Dynein light chain 1, cytoplasmic	36.26	12.36	10366	1	0.01837709	1.93827159	0.072367718	2.3381281e-87	1.6204824e-143	0.027201993
Q9EPU0	Upf1	Regulator of nonsense transcripts 1	1036.76	19.4	123967	21	0.01842643	1.57547892	0.072462056	5.365941e-87	4.7797219e-143	0.027237453
Q99K85	Psat1	Phosphoserine aminotransferase	1514.64	60.27	40473	25	0.01850544	1.8170888	0.072672654	1.2295432e-86	1.4070002e-142	0.027316614
P61222	Abce1	ATP-binding cassette sub-family E member 1	1040.79	34.89	67314	16	0.01855876	1.79291047	0.07272013	2.8129479e-86	4.1308961e-142	0.02733446
Q9JLT4	Txnr2	Thioredoxin reductase 2, mitochondrial	176.76	5.15	56603	2	0.01858993	1.47283462	0.07272013	6.4253858e-86	1.2103054e-141	0.02733446
P47226	Tesn	Testin	271.22	15.13	47983	5	0.01859394	1.57367213	0.07272013	1.4653994e-85	3.5404026e-141	0.02733446
P28063	Psmb8	Proteasome subunit beta type-8	602.14	42.39	30260	10	0.01865922	1.46406553	0.072875624	3.3368123e-85	1.0345893e-140	0.027392908
Q5U2R0	Mat2b	Methionine adenosyltransferase 2 subunit beta	152.24	9.58	37375	3	0.01868739	1.6369411	0.072885938	7.5862323e-85	3.0163113e-140	0.027396785
P17751	Tpi1	Triosephosphate isomerase	1513.19	74.25	32192	21	0.01885117	1.73955611	0.0734244	1.7220222e-84	8.7805108e-140	0.027599185
Q6NZQ2	Ddx31	Probable ATP-dependent RNA helicase DDX31	67.29	1.89	76913	1	0.01890878	2.57001832	0.073489454	3.9027367e-84	2.5448607e-139	0.027623638
Q3UMB9	Washc4	WASH complex subunit 4	106.43	1.11	136370	2	0.01893298	2.79761354	0.073489454	8.8311512e-84	7.3600688e-139	0.027623638
Q8CG45	Akr7a2	Aflatoxin B1 aldehyde reductase member 2	74.93	4.09	40675	1	0.01894509	1.97274119	0.073489454	1.9951823e-83	2.1255752e-138	0.027623638
Q99K01	Pdxdc1	Pyridoxal-dependent decarboxylase domain-containing protein 1	76.39	2.8	87335	2	0.01900477	2.46196601	0.073620922	4.5005409e-83	6.1313539e-138	0.027673055
Q9D019	Rars	Arginine--tRNA ligase, cytoplasmic	1329.99	40	75674	23	0.01906184	1.65611646	0.073741948	1.0135924e-82	1.764794e-137	0.027718547
Q8CBW3	Abi1	Abl interactor 1	99.73	6.44	52288	2	0.01912784	1.9328449	0.073897136	2.2791772e-82	5.0689132e-137	0.02777688
Q641Z4	Cdk9	Cyclin-dependent kinase 9	87.05	6.45	42762	2	0.01915403	2.05429533	0.073898315	5.1169202e-82	1.4525849e-136	0.027777323
P63036	Dnaj1	DnaJ homolog subfamily A member 1	276.26	19.9	44868	6	0.01917993	2.03156081	0.07389839	1.1469768e-81	4.1565151e-136	0.027777351
Q6IRU2	Tpm4	Tropomyosin alpha-4 chain	814.48	43.15	28468	12	0.01924349	1.73930885	0.074043347	2.5669399e-81	1.187629e-135	0.027831838
Q9DAR7	Dcps	m7GpppX diphosphatase	448.69	35.5	38988	9	0.01939035	2.11271681	0.074412533	5.7357667e-81	3.3858196e-135	0.02797061
Q8COM9	Asrg1	Isoaspartyl peptidase/L-asparaginase	169.81	11.04	33950	3	0.01939157	2.22358014	0.074412533	1.2796218e-80	9.6150605e-135	0.02797061
Q80X80	C2cd2l	Phospholipid transfer protein C2CD2L	53.79	1.42	76329	1	0.01959963	2.91523395	0.075109991	2.8502684e-80	2.7278687e-134	0.028232774
P49615	Cdk5	Cyclin-dependent-like kinase 5	85.69	5.14	33288	2	0.01967977	2.36344889	0.075315724	6.3387487e-80	7.6998927e-134	0.028310107
Q8R2E9	Ero1b	ERO1-like protein beta	223.18	8.99	53518	4	0.0198256	2.31144143	0.075735327	1.4074552e-79	2.16797e-133	0.028467829
Q61881	Mcm7	DNA replication licensing factor MCM7	972.8	33.52	81211	19	0.01984239	1.21701331	0.075735327	3.1201721e-79	6.0809622e-133	0.028467829
P67778	Phb	Prohibitin	1327.9	83.46	29820	20	0.01994326	0.71137331	0.076018701	6.906135e-79	1.7035152e-132	0.028574346
Q4KML4	Abrac1	Costars family protein ABRACL	312.09	51.85	9030	6	0.01998875	1.83959725	0.076090509	1.5261729e-78	4.7584231e-132	0.028601338
Q91YX0	Themis2	Protein THEMIS2	143.98	4.52	74378	2	0.02007359	1.96081155	0.07617388	3.367319e-78	1.3267659e-131	0.028632675
Q9DBR7	Ppp1r12a	Protein phosphatase 1 regulatory subunit 12A	49.74	0.97	114996	1	0.02007472	2.08558385	0.07617388	7.4178185e-78	3.6898726e-131	0.028632675
Q91W89	Man2c1	Alpha-mannosidase 2C1	183.08	4.33	115688	4	0.02010972	2.24548583	0.07617388	1.6314705e-77	1.0252177e-130	0.028632675
Q9QUJ7	Acs14	Long-chain-fatty-acid--CoA ligase 4	825.24	29.68	79077	16	0.02011737	1.47813783	0.07617388	3.5825558e-77	2.8439707e-130	0.028632675
Q8BMA6	Srp68	Signal recognition particle subunit SRP68	165.72	6.72	70574	3	0.0203037	1.50378622	0.076716687	7.8544726e-77	7.8807233e-130	0.028836709
P48758	Cbr1	Carbonyl reductase [NADPH] 1	218.57	23.1	30641	6	0.02031447	1.93500609	0.076716687	1.7192976e-76	2.1740046e-129	0.028836709
P06745	Gpi	Glucose-6-phosphate isomerase	2083.16	58.06	62767	34	0.02044202	1.69220508	0.077016811	3.7574627e-76	5.9905e-129	0.028949521
P62843	Rps15	40S ribosomal protein S15	323.18	39.31	17040	5	0.020456	2.03774884	0.077016811	8.1987474e-76	1.6451951e-128	0.028949521
Q8CCP0	Nemf	Nuclear export mediator factor Nemf	82.61	2.91	121188	2	0.02049413	2.01559918	0.077016811	1.786114e-75	4.5128904e-128	0.028949521
Q2TPA8	Hsd12	Hydroxysteroid dehydrogenase-like protein 2	36.84	2.86	54208	1	0.02050185	4.5647176	0.077016811	3.8848952e-75	1.2358858e-127	0.028949521
Q9QUR7	Pin1	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	134.52	20.61	18370	2	0.02062594	2.01168752	0.077381153	8.436407e-75	3.3809203e-127	0.029086472
P28740	Kif2a	Kinesin-like protein KIF2A	116.47	3.4	79756	2	0.02066024	2.90763025	0.077408109	1.8291252e-74	9.2190013e-127	0.029096604
Q80Y14	Glrx5	Glutaredoxin-related protein 5, mitochondrial	90.76	17.76	16292	2	0.0208472	2.2930128	0.078006231	3.9594666e-74	2.5098795e-126	0.02932143
Q4AEF8	Copg1	Coatomer subunit gamma-1	709.58	20.02	97614	12	0.02087532	1.83385605	0.078009209	8.5573021e-74	6.8033672e-126	0.029322549
Q9CQT1	Mri1	Methylthioribose-1-phosphate isomerase	419.89	29	39411	7	0.02115044	1.6592354	0.078934005	1.8464758e-73	1.8414889e-125	0.029670167
Q8BK67	Rcc2	Protein RCC2	1429.69	59.62	55983	24	0.02124164	1.32499114	0.079170857	3.9779244e-73	4.9550208e-125	0.029759196
Q9Z0S1	Bpnt1	3'(2'),5'-bisphosphate nucleotidase 1	407.94	30.19	33196	7	0.02143726	2.10314073	0.079795794	8.5560879e-73	1.3298765e-124	0.029994101
P40336	Vps26a	Vacuolar protein sorting-associated protein 26A	200.22	22.63	38114	5	0.02147438	2.03451697	0.079829903	1.8373816e-72	3.5535705e-124	0.030006922
Q8BP48	Metap1	Methionine aminopeptidase 1	273.95	24.35	43221	6	0.02159407	1.8809776	0.080067236	3.9393855e-72	9.4806081e-124	0.030096132

Q8VBT6	Apobr	Apolipoprotein B receptor	546.98	14.65	102705	12	0.02159432	1.60301839	0.080067236	8.4326145e-72	2.5217069e-123	0.030096132
Q62407	Speg	Striated muscle-specific serine/threonine-protein kinase	37.63	0.43	354343	1	0.02164927	56029.0338	0.080166867	1.8021886e-71	6.7012279e-123	0.030133582
Q64521	Gpd2	Glycerol-3-phosphate dehydrogenase, mitochondrial	650.57	22.01	80954	10	0.02185706	0.64080982	0.080831499	3.8454051e-71	1.7774556e-122	0.030383408
Q9ER72	Cars	Cysteine--tRNA ligase, cytoplasmic	507.15	14.56	94860	9	0.02188659	2.04807095	0.080835994	8.1919521e-71	4.6932873e-122	0.030385097
Q9JL18	Sart3	Squamous cell carcinoma antigen recognized by T-cells 3	366.2	9.88	109619	7	0.02191999	1.84836466	0.080854421	1.7423515e-70	1.2374809e-121	0.030392024
Q91ZJ5	Ugp2	UTP--glucose-1-phosphate uridylyltransferase	77.67	3.35	56979	2	0.02203003	1.5757605	0.081155797	3.699873e-70	3.2580254e-121	0.030505307
B2RYU6	Trappc21	Trafficking protein particle complex subunit 2-like protein PE=2	51.92	6.47	16032	1	0.02214906	2.85368965	0.081409885	7.8440461e-70	8.5536938e-121	0.030600815
D3ZLZ7	Impdh1	Inosine-5'-monophosphate dehydrogenase 1	229.12	6.61	55293	4	0.02215604	2.06092452	0.081409885	1.6603335e-69	2.239114e-120	0.030600815
P53564	Cux1	Homeobox protein cut-like 1	56.26	0.59	165596	1	0.02222401	4.55228004	0.08147911	3.5087466e-69	5.8553384e-120	0.030626836
Q9CR95	Necap1	Adaptin ear-binding coat-associated protein 1	132.55	17.45	29639	2	0.02223195	1.98034956	0.08147911	7.4030344e-69	1.5280303e-119	0.030626836
Q9JJ78	Pbk	Lymphokine-activated killer T-cell-originated protein kinase	54.25	3.94	36745	1	0.02231156	2.16334858	0.081666048	1.5594383e-68	3.9834327e-119	0.030697103
P70460	Vasp	Vasodilator-stimulated phosphoprotein	356.57	20.8	39667	7	0.02235922	1.51814856	0.081735691	3.2796457e-68	1.0361059e-118	0.030723281
P05555	Itgam	Integrin alpha-M	1525.94	24.02	127481	25	0.02242427	0.7133324	0.081868654	6.8862935e-68	2.6903391e-118	0.03077326
Q3UM45	Ppp1r7	Protein phosphatase 1 regulatory subunit 7	1027.28	55.12	41292	17	0.02247962	2.17191552	0.081921978	1.4435891e-67	6.9717353e-118	0.030793304
Q3U1J4	Ddb1	DNA damage-binding protein 1	1471.32	31.49	126853	28	0.02249972	1.34961454	0.081921978	3.021348e-67	1.8033395e-117	0.030793304
Q62448	Eif4g2	Eukaryotic translation initiation factor 4 gamma 2	512.45	14.68	102106	10	0.02252496	1.78972125	0.081921978	6.3133018e-67	4.6587747e-117	0.030793304
P07356	Anxa2	Annexin A2	1472.16	72.27	38676	26	0.02266175	0.78347043	0.082314619	1.3170753e-66	1.2019493e-116	0.030940891
Q9D906	Atg7	Ubiquitin-like modifier-activating enzyme ATG7	277.77	13.47	77520	7	0.02274053	2.07666246	0.082495833	2.743232e-66	3.0911703e-116	0.031009007
P54726	Rad23a	UV excision repair protein RAD23 homolog A	282.73	20.66	39706	4	0.02281707	2.1050761	0.08263106	5.7044252e-66	7.9323415e-116	0.031059837
Q8CIN4	Pak2	Serine/threonine-protein kinase PAK 2	936.55	36.45	57930	14	0.02283569	1.72904564	0.08263106	1.1842906e-65	2.0311416e-115	0.031059837
Q9JIK9	Mrps34	28S ribosomal protein S34, mitochondrial	151.62	13.76	25827	4	0.02293887	0.74423047	0.082870233	2.4547161e-65	5.1945723e-115	0.031149739
B0BN72	Mcrip1	Mapk-regulated corepressor-interacting protein 1	49.34	11.34	11101	1	0.02295984	2.94465505	0.082870233	5.0797282e-65	1.3250599e-114	0.031149739
P80318	Cct3	T-complex protein 1 subunit gamma	1368.41	40.92	60630	24	0.02316399	1.61826474	0.083501496	1.0494831e-64	3.3757971e-114	0.031387022
P46462	Vcp	Transitional endoplasmic reticulum ATPase	2920.47	60.79	89349	46	0.02322054	1.59397414	0.083517713	2.1647405e-64	8.5644074e-114	0.031393118
Q8BNU0	Armc6	Armadillo repeat-containing protein 6	90.76	4.49	50683	1	0.02326974	2.55676946	0.083517713	4.4579086e-64	2.1688556e-113	0.031393118
Q569Z6	Thrap3	Thyroid hormone receptor-associated protein 3	312.61	9.25	108178	6	0.0232733	0.50489851	0.083517713	9.1653916e-64	5.4831237e-113	0.031393118
Q9D358	Acp1	Low molecular weight phosphotyrosine protein phosphatase	444.4	60.76	18192	6	0.02331313	1.80703951	0.083517713	1.8813301e-63	1.3848534e-112	0.031393118
P17182	Eno1	Alpha-enolase	2960.96	79.26	47141	39	0.02331475	1.53084117	0.083517713	3.8554289e-63	3.4922717e-112	0.031393118
P70677	Casp3	Caspase-3	354.9	25.63	31475	6	0.02351185	1.68444416	0.083991522	7.8881227e-63	8.7983729e-112	0.031571216
Q75Q40	Tomm40	Mitochondrial import receptor subunit TOM40 homolog	539.18	39.34	37919	9	0.02353867	0.60987432	0.083991522	1.6112669e-62	2.2077744e-111	0.031571216
Q9ER81	Tor1aip2	Torsin-1A-interacting protein 2, isoform IFRG15	61.39	10.69	15278	1	0.02357921	2.05477229	0.083991522	3.2858953e-62	5.5325787e-111	0.031571216
Q3THS6	Mat2a	S-adenosylmethionine synthase isoform type-2	561.82	31.9	43689	12	0.02359826	1.78548524	0.083991522	6.6900903e-62	1.3842937e-110	0.031571216
Q9JLJ2	Aldh9a1	4-trimethylaminobutyraldehyde dehydrogenase	1201.15	61.94	53515	21	0.02360509	1.53585508	0.083991522	1.3598838e-61	3.4594061e-110	0.031571216
Q8COL6	Paox	Peroxisomal N(1)-acetyl-spermine/spermidine oxidase	82.37	3.17	55447	1	0.02364806	2.49629956	0.083991522	2.7597059e-61	8.6363269e-110	0.031571216
P0C7N9	Psmg4	Proteasome assembly chaperone 4	93.52	33.33	13974	2	0.02365295	2.31555497	0.083991522	5.5913221e-61	2.1526205e-109	0.031571216
B0LT89	Stk24	Serine/threonine-protein kinase 24	234.73	13.46	47990	5	0.02369246	1.69685673	0.084027298	1.1309841e-60	5.3600861e-109	0.031584663
Q642C0	Dnajc8	DnaJ homolog subfamily C member 8	79.54	15.81	29813	2	0.0237311	6.93741999	0.0840599	2.2839594e-60	1.3326306e-108	0.031596918
Q99J36	Thumpd1	THUMP domain-containing protein 1	161.73	10.86	38885	3	0.02395267	1.74716807	0.084739636	4.6047883e-60	3.3081681e-108	0.031852421
Q6PDY2	Ado	2-aminoethanethiol dioxygenase	132.57	16.8	28372	4	0.02402318	1.64780553	0.084883868	9.2687241e-60	8.1770314e-108	0.031906636
P40124	Cap1	Adenylyl cyclase-associated protein 1	2419.63	70.68	51565	33	0.02410714	1.53338733	0.085075266	1.8625966e-59	2.0171563e-107	0.03197858
Q04931	Ssrp1	FACT complex subunit SSRP1	254.85	11.42	80914	5	0.02416706	1.37458503	0.085181443	3.7368509e-59	4.9651588e-107	0.03201849
Q3THK3	Gtf2f1	General transcription factor IIF subunit 1	161.33	6.3	57241	2	0.0242775	2.52417377	0.085326347	7.4848039e-59	1.2199317e-106	0.03202957
Q6P6S4	Sil1	Nucleotide exchange factor SIL1	49.28	1.72	52350	1	0.02429618	2.73368817	0.085326347	1.4967261e-58	2.9896532e-106	0.03202957
P63174	Rpl38	60S ribosomal protein L38	218.48	48.57	8218	4	0.02429784	1.72946665	0.085326347	2.9880718e-58	7.3178744e-106	0.03202957
P70296	Pebp1	Phosphatidylethanolamine-binding protein 1	318.11	49.73	20830	5	0.02443297	1.59669048	0.085695474	5.9556079e-58	1.789552e-105	0.032211707
Q9JL16	Sely	Selenocysteine lyase	153.62	15.97	47174	4	0.02449783	1.8818543	0.085817564	1.1850784e-57	4.363338e-105	0.032257599
Q9CX86	Hnmpa0	Heterogeneous nuclear ribonucleoprotein A0	587.52	34.1	30530	10	0.02455168	0.74461971	0.085900807	2.3542553e-57	1.0619028e-104	0.032288888
Q6Y7W8	Gigyf2	GRB10-interacting GYF protein 2	200.37	5.58	149193	4	0.02461431	1.91101297	0.086014523	4.6692278e-57	2.57992e-104	0.032331633
Q6AYT3	Rtcb	tRNA-splicing ligase RtcB homolog	415.91	23.56	55249	9	0.02474555	1.69316881	0.086338592	9.2453029e-57	6.256458e-104	0.032453446
P16460	Ass1	Argininosuccinate synthase	287.23	13.11	46584	6	0.02476753	1.65638329	0.086338592	1.8276009e-56	1.5129361e-103	0.032453446

Q99K48	Nono	Non-POU domain-containing octamer-binding protein	1396.54	55.39	54541	25	0.02480958	0.72052812	0.086379712	3.6068267e-56	3.6540398e-103	0.032468902
P20108	Prdx3	Thioredoxin-dependent peroxide reductase, mitochondrial	191.54	26.46	28127	4	0.0249653	1.76134614	0.086815999	7.1064455e-56	8.8117129e-103	0.032632896
P12749	Rpl26	60S ribosomal protein L26	360.84	31.03	17277	8	0.02505362	1.37667322	0.087017138	1.3978558e-55	2.1182344e-102	0.032708501
P10649	Gstm1	Glutathione S-transferase Mu 1	454.27	40.83	25970	8	0.02545375	1.61944114	0.088299448	2.7450777e-55	5.0808817e-102	0.033190503
Q80X13	Eif4g3	Eukaryotic translation initiation factor 4 gamma 3	376.54	4.5	174890	9	0.02554031	1.88654612	0.088492209	5.3818152e-55	1.210739e-101	0.033262959
Q9Z0X1	Aifm1	Apoptosis-inducing factor 1, mitochondrial	728.87	28.92	66765	12	0.02560763	0.76414153	0.088617922	1.0533783e-54	2.8789943e-101	0.033310213
Q00612	G6pdx	Glucose-6-phosphate 1-dehydrogenase X	1594.54	58.83	59263	31	0.02568137	1.59424229	0.088669167	2.0583579e-54	6.8332676e-101	0.033329476
P31786	Dbi	Acyl-CoA-binding protein	83.72	32.18	10000	2	0.02568455	1.4148129	0.088669167	4.0154844e-54	1.6187371e-100	0.033329476
O54950	Prkag1	5'-AMP-activated protein kinase subunit gamma-1	155.82	13.33	37520	3	0.02594943	2.00884327	0.089475377	7.8205092e-54	3.8309703e-100	0.033632518
Q9JKB1	Uchl3	Ubiquitin carboxyl-terminal hydrolase isozyme L3	170.06	15.65	26152	3	0.02601706	1.93637101	0.089488799	1.5205885e-53	9.0253786e-100	0.033637563
Q9JK23	Psmg1	Proteasome assembly chaperone 1	190.57	13.15	33104	3	0.02602944	1.91547287	0.089488799	2.9516681e-53	2.1224012e-99	0.033637563
Q62393	Tpd52	Tumor protein D52	191.8	16.07	24313	3	0.02609633	1.98441487	0.089488799	5.7200785e-53	4.9856495e-99	0.033637563
Q3TIV5	Zc3h15	Zinc finger CCCH domain-containing protein 15	188.14	8.22	48327	3	0.02610916	1.63019419	0.089488799	1.1066611e-52	1.1690333e-98	0.033637563
P37727	Chm	Rab proteins geranylgeranyltransferase component A 1	43.48	1.38	72480	1	0.02611004	1.91791934	0.089488799	2.1374947e-52	2.738173e-98	0.033637563
P21708	Mapk3	Mitogen-activated protein kinase 3	385.13	23.16	43081	9	0.02614598	1.61092082	0.089504521	4.1216652e-52	6.4075637e-98	0.033643473
Q8R050	Gspt1	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A	416.34	21.7	68625	9	0.0262134	1.35544363	0.089573941	7.9344563e-52	1.4973283e-97	0.033669567
O35522	Psmb9	Proteasome subunit beta type-9	259.13	29.68	23427	5	0.02624169	1.51588457	0.089573941	1.524888e-51	3.4926076e-97	0.033669567
Q9Z2W0	Dnpep	Aspartyl aminopeptidase	418.5	23.68	52207	8	0.02626038	1.92758641	0.089573941	2.9257323e-51	8.136162e-97	0.033669567
Q3TBD2	Arhgap45	Rho GTPase-activating protein 45	175.73	3.94	122902	3	0.02632791	2.08733204	0.089618053	5.6041094e-51	1.8931355e-96	0.033686148
Q91VR2	Atp5f1c	ATP synthase subunit gamma, mitochondrial	482.45	28.52	32886	9	0.02634531	0.73268693	0.089618053	1.0716514e-50	4.3969687e-96	0.033686148
Q8BH60	Gopc	Golgi-associated PDZ and coiled-coil motif-containing protein	36.83	1.94	50662	1	0.02636748	3.04689177	0.089618053	2.0458551e-50	1.0200568e-95	0.033686148
P97379	G3bp2	Ras GTPase-activating protein-binding protein 2	349.52	11.83	54088	5	0.02645104	1.83545552	0.089795132	3.8991522e-50	2.3635595e-95	0.03375271
P47753	Capza1	F-actin-capping protein subunit alpha-1	320.89	34.27	32940	6	0.02665137	1.51700224	0.09036778	7.4188907e-50	5.4654729e-95	0.03396796
Q0P5W1	Vps8	Vacuolar protein sorting-associated protein 8 homolog	37.15	0.49	161146	1	0.02673245	2.10042688	0.090535182	1.4092264e-49	1.2593492e-94	0.034030884
Q78PB6	Ndel1	Nuclear distribution protein nudE-like 1	55.16	3.48	38366	1	0.02687793	2.45186026	0.090896964	2.6723606e-49	2.8960472e-94	0.034166873
Q9WTP7	Ak3	GTP:AMP phosphotransferase AK3, mitochondrial	259.55	31.72	25426	4	0.02691562	2.25021312	0.090896964	5.0591947e-49	6.6411985e-94	0.034166873
P56383	Atp5mc2	ATP synthase F(0) complex subunit C2, mitochondrial	220.62	26.03	15476	2	0.02693479	0.05645733	0.090896964	9.5617917e-49	1.520817e-93	0.034166873
P24049	Rpl17	60S ribosomal protein L17	485.37	44.57	21397	10	0.02697919	1.72506824	0.090933989	1.8041317e-48	3.4785675e-93	0.03418079
Q76N33	Stambp1	AMSH-like protease	75.02	4.59	49640	1	0.02704208	1.99439944	0.090933989	3.3983473e-48	7.9446684e-93	0.03418079
Q91ZX7	Lrp1	Prolow-density lipoprotein receptor-related protein 1	6453.88	32.48	504742	109	0.02707198	0.68148853	0.090933989	6.3905375e-48	1.8113423e-92	0.03418079
Q99L47	St13	Hsc70-interacting protein	396.37	22.64	41656	8	0.02707317	1.71001377	0.090933989	1.1997109e-47	4.1243754e-92	0.03418079
Q9ZOR6	Itsn2	Intersectin-2	44.16	0.72	188908	1	0.02712908	2.39817546	0.09093775	2.2484589e-47	9.3822523e-92	0.034182203
Q6ZQ58	Larp1	La-related protein 1	283.35	7.09	121125	5	0.02713799	1.50236572	0.09093775	4.2068975e-47	2.1308082e-91	0.034182203
Q9D1G2	Pmvk	Phosphomevalonate kinase	162.67	19.27	21916	3	0.02720366	2.07095327	0.091050933	7.8579095e-47	4.8342478e-91	0.034224747
Q3TCJ1	Abraxas2	BRISC complex subunit Abraxas 2	218.47	14.7	46943	4	0.02761151	1.97761788	0.092307788	1.4652771e-46	1.0948345e-90	0.034697181
P56480	Atp5f1b	ATP synthase subunit beta, mitochondrial	2393.99	69	56300	35	0.02765187	0.70452828	0.09233461	2.7277189e-46	2.464607e-90	0.034707263
Q63584	Tmed10	Transmembrane emp24 domain-containing protein 10	412.94	27.85	24858	7	0.02772931	0.83496116	0.092485015	5.0692782e-46	5.5402505e-90	0.034763799
Q69ZS7	Hbs11	HBS1-like protein	101.36	2.79	75100	2	0.02782663	2.39306433	0.092701318	9.4049997e-46	1.2430684e-89	0.034845104
P53811	Pitpnb	Phosphatidylinositol transfer protein beta isoform	221.46	27.68	31487	6	0.02792894	1.84734165	0.092877184	1.7419556e-45	2.7831727e-89	0.034911209
Q3V1V3	Esf1	ESF1 homolog	48.98	1.42	98048	1	0.02794448	1.88440495	0.092877184	3.2209243e-45	6.2178621e-89	0.034911209
Q32PX7	Fubp1	Far upstream element-binding protein 1	712.51	27.39	67197	14	0.02813214	1.35228736	0.093238117	5.945503e-45	1.3875841e-88	0.035046879
P97369	Ncf4	Neutrophil cytosol factor 4	670.34	50.74	38707	12	0.02814651	1.27098724	0.093238117	1.0956222e-44	3.0866514e-88	0.035046879
O88902	Ptpn23	Tyrosine-protein phosphatase non-receptor type 23	87.02	1.73	163454	2	0.02817442	2.56206607	0.093238117	2.0155644e-44	6.8586816e-88	0.035046879
P62852	Rps25	40S ribosomal protein S25	299.9	29.6	13742	5	0.02818371	1.60112109	0.093238117	3.7016525e-44	1.5221129e-87	0.035046879
P21107	Tpm3	Tropomyosin alpha-3 chain	568.34	22.46	32994	10	0.0282618	1.9159598	0.093291401	6.7866778e-44	3.37445e-87	0.035066907
Q8KOV4	Cnot3	CCR4-NOT transcription complex subunit 3	47.01	2.53	81946	1	0.02826517	7.01943922	0.093291401	1.2421697e-43	7.4670664e-87	0.035066907
Q61081	Cdc37	Hsp90 co-chaperone Cdc37	301.26	14.25	44593	5	0.02838747	1.73396215	0.093441033	2.2696883e-43	1.650733e-86	0.035123152
Q6PAM1	Txlna	Alpha-taxilin	167.46	6.14	62369	2	0.02838982	2.24038644	0.093441033	4.1401168e-43	3.6405521e-86	0.035123152
O09167	Rpl21	60S ribosomal protein L21	328.88	38.12	18562	6	0.02840869	1.45160673	0.093441033	7.5391005e-43	8.021254e-86	0.035123152

P58252	Eef2	Elongation factor 2	3752.25	61.07	95314	58	0.0285323	1.57033924	0.093739603	1.3705236e-42	1.765289e-85	0.03523538
Q8BLJ7	Rufy1	RUN and FYVE domain-containing protein 1	112.63	4.92	80376	2	0.02863511	1.82481593	0.093969232	2.4872135e-42	3.875703e-85	0.035321694
Q8BG52	Bola2	Bola-like protein 2	91.62	20.93	10215	2	0.02876429	2.02866144	0.094284791	4.5060772e-42	8.4909489e-85	0.035440309
P53996	Cnbp	Cellular nucleic acid-binding protein	330.92	43.26	19592	6	0.02886572	1.59774735	0.094508745	8.1497199e-42	1.8556769e-84	0.035524489
Q8BMP6	Acbd3	Golgi resident protein GCP60	395.69	20.76	60181	7	0.02897764	2.35181742	0.094668336	1.4714473e-41	4.0469983e-84	0.035584478
Q62084	Ppp1r14b	Protein phosphatase 1 regulatory subunit 14B	43.38	17.01	15957	1	0.02899727	2.06439252	0.094668336	2.6521875e-41	8.8063989e-84	0.035584478
Q9Z0U1	Tjp2	Tight junction protein ZO-2	87.57	2.66	131280	3	0.02901394	2.5689343	0.094668336	4.7722221e-41	1.9140899e-83	0.035584478
Q62189	Snrpa	U1 small nuclear ribonucleoprotein A	361.1	31.01	31835	8	0.02917755	0.8222546	0.095093495	8.5722235e-41	4.1556503e-83	0.035744289
Q5FVM3	Retreg1	Reticulophagy regulator 1 E=2	64.63	2.29	52782	1	0.02942384	3.24240832	0.095786832	1.5371711e-40	8.9969999e-83	0.036004904
Q8BGA9	Oxa11	Mitochondrial inner membrane protein OXA1L	40.43	2.08	48220	1	0.02961093	0.74373643	0.096210687	2.7517329e-40	1.9406133e-82	0.036164226
Q8R1B4	Eif3c	Eukaryotic translation initiation factor 3 subunit C	910.54	18.22	105531	16	0.02962143	1.47350258	0.096210687	4.9175093e-40	4.1731564e-82	0.036164226
Q07813	Bax	Apoptosis regulator BAX	354.61	40.62	21395	5	0.02968716	1.56337712	0.096314587	8.7728032e-40	8.9647639e-82	0.03620328
P56812	Pdcd5	Programmed cell death protein 5	259.72	45.24	14275	5	0.02981773	1.66146838	0.096332558	1.5623752e-39	1.9226178e-81	0.036210035
Q9D7E3	Ovca2	Esterase OVCA2	42.82	4.89	24246	1	0.02982408	2.52234383	0.096332558	2.7777013e-39	4.1135354e-81	0.036210035
Q9EPL8	Ipo7	Importin-7	346.48	5.39	119486	5	0.02984147	1.84332058	0.096332558	4.9299036e-39	8.7923678e-81	0.036210035
P84091	Ap2m1	AP-2 complex subunit mu	534.71	31.26	49655	12	0.02985574	1.59249466	0.096332558	8.734609e-39	1.8772012e-80	0.036210035
P33610	Prim2	DNA primase large subunit	253.3	11.09	58408	4	0.02986141	2.0696751	0.096332558	1.5448992e-38	4.0035413e-80	0.036210035
Q62885	Unc119	Protein unc-119 homolog A	107.48	9.17	27048	2	0.03004954	2.28171108	0.096830051	2.7277708e-38	8.5299523e-80	0.036397036
Q9DAW6	Prpf4	U4/U6 small nuclear ribonucleoprotein Prp4	181.96	9.98	58370	4	0.03010178	0.5732796	0.09688905	4.808019e-38	1.8119587e-79	0.036419212
P10605	Ctsb	Cathepsin B	1457.13	63.72	37280	21	0.03018029	1.48687771	0.097032363	8.4600798e-38	3.8432517e-79	0.036473082
P09528	Fth1	Ferritin heavy chain	51.69	3.85	21067	1	0.03027686	1.53851103	0.097233331	1.4860458e-37	8.1371946e-79	0.036548623
Q62418	Dbn1	Drebrin-like protein	700.57	32.34	48700	10	0.03040573	1.31533077	0.097396702	2.6057866e-37	1.7194622e-78	0.036610032
Q8VCT3	Rnpep	Aminopeptidase B	1093.15	38.46	72416	17	0.03043867	1.5129328	0.097396702	4.561355e-37	3.6249671e-78	0.036610032
Q99JF8	Psip1	PC4 and SFRS1-interacting protein	373.52	17.23	59697	7	0.03046361	0.80850161	0.097396702	7.9707044e-37	7.6323533e-78	0.036610032
P83868	Ptges3	Prostaglandin E synthase 3	99.75	18.75	18721	2	0.03046419	1.91945744	0.097396702	1.3904225e-36	1.6050647e-77	0.036610032
Q8BHG1	Nrde	Nardilysin	339.35	7.24	132891	6	0.03062023	2.19031052	0.097786078	2.4212722e-36	3.372241e-77	0.036756392
P30999	Ctnnd1	Catenin delta-1	200.81	6.18	104925	5	0.03076198	3.32916991	0.098128999	4.2090744e-36	7.066721e-77	0.036885292
Q80WJ7	Mtdh	Protein LYRIC	398.5	15.89	63846	7	0.03086256	0.80648447	0.098333663	7.3042426e-36	1.4772756e-76	0.036962222
Q07832	Plk1	Serine/threonine-protein kinase PLK1	52.95	2.16	68301	1	0.03089502	2.32259666	0.098333663	1.2653447e-35	3.0820619e-76	0.036962222
O88531	Ppt1	Palmitoyl-protein thioesterase 1	424.97	23.86	34490	6	0.03103069	1.52361431	0.09855658	2.1881998e-35	6.4219784e-76	0.037046013
P97310	Mcm2	DNA replication licensing factor MCM2	1505.4	35.95	102078	25	0.03107925	1.20006559	0.09855658	3.77754e-35	1.334986e-75	0.037046013
P62918	Rpl8	60S ribosomal protein L8	569.76	42.02	28025	11	0.03109805	1.33968107	0.09855658	6.5099033e-35	2.7711548e-75	0.037046013
P26450	Pik3r1	Phosphatidylinositol 3-kinase regulatory subunit alpha	48.96	1.66	83517	1	0.03110314	2.29803569	0.09855658	1.1199092e-34	5.7458579e-75	0.037046013
Q3MID3	Arfgap2	ADP-ribosylation factor GTPase-activating protein 2	226.48	11.92	56556	5	0.03130928	2.05298475	0.099099768	1.9232395e-34	1.1901994e-74	0.03725019
Q9D903	Ebna1bp2	Probable rRNA-processing protein EBP2 PE=2	147.95	10.46	34703	3	0.03138489	0.66016523	0.099229081	3.2970506e-34	2.4578572e-74	0.037298797
Q8R1S4	Mtss1	Metastasis suppressor protein 1	241.07	8.83	82408	5	0.0314965	1.84906017	0.099471808	5.6423366e-34	5.0670121e-74	0.037390034
Q9CRA5	Golph3	Golgi phosphoprotein 3	131.4	10.4	33752	2	0.03167397	1.93742197	0.099812001	9.639021e-34	1.0424322e-73	0.037517908
P62914	Rpl11	60S ribosomal protein L11	632.19	54.49	20252	11	0.03167414	1.36972972	0.099812001	1.643792e-33	2.1387417e-73	0.037517908
P11497	Acaca	Acetyl-CoA carboxylase 1	179.64	2.6	265194	4	0.03176953	2.03235397	0.099928308	2.7983383e-33	4.3839266e-73	0.037561626
Q9ERS5	Plekha2	Pleckstrin homology domain-containing family A member 2	91.66	5.65	47380	2	0.03180204	2.00530654	0.099928308	4.7554589e-33	8.9690463e-73	0.037561626
P61161	Actr2	Actin-related protein 2	1206.3	46.7	44761	18	0.03182779	1.53310206	0.099928308	8.0672019e-33	1.8326607e-72	0.037561626
P84228	Hist1h3b	Histone H3.2	804.84	61.76	15388	11	0.03185105	0.32791502	0.099928308	1.3661272e-32	3.7402406e-72	0.037561626
Q99K23	Ufsp2	Ufm1-specific protease 2	168.22	8.24	52515	4	0.03196669	1.75122294	0.10018101	2.3093857e-32	7.6244558e-72	0.037656614
Q4QQT4	Ppp2r1b	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform	570.71	14.98	66006	8	0.03207656	1.58537141	0.10034126	3.8970714e-32	1.5509987e-71	0.03771685
Q2YDW2	Msto1	Protein misato homolog 1	135.72	5.22	61230	3	0.03208812	1.83811967	0.10034126	6.5647204e-32	3.1487256e-71	0.03771685
Q6PGH2	Jpt2	Jupiter microtubule associated homolog 2	162.14	21.58	20020	3	0.0322535	1.40668341	0.10074806	1.1038994e-31	6.3855878e-71	0.03786976
Q8BZA9	Tigar	Fructose-2,6-bisphosphatase TIGAR	181.81	19.33	29191	3	0.03230321	1.53530782	0.10079308	1.8530093e-31	1.2916782e-70	0.037886681
Q922F4	Tubb6	Tubulin beta-6 chain	1790.93	61.97	50090	29	0.03250214	1.56218711	0.10125654	3.104988e-31	2.6090913e-70	0.038060888
P61750	Arf4	ADP-ribosylation factor 4	645.19	47.22	20397	9	0.03252268	1.46779995	0.10125654	5.1936886e-31	5.2550615e-70	0.038060888
Q8QZY1	Eif3l	Eukaryotic translation initiation factor 3 subunit L	823.12	24.82	66613	12	0.03262232	1.73697512	0.10145612	8.6721134e-31	1.0572387e-69	0.038135908
Q6ZQM8	Ugt1a7c	UDP-glucuronosyltransferase 1-7C	575.4	31.83	59758	14	0.03269925	0.78576611	0.10157587	1.4454613e-30	2.1229704e-69	0.038180921
P24063	Itegal	Integrin alpha-L	61.08	0.95	128328	1	0.03273198	0.64507843	0.10157587	2.4050266e-30	4.2558541e-69	0.038180921
Q9DBR1	Xrn2	5'-3' exoribonuclease 2	869.56	21.14	108687	16	0.03285145	1.17602624	0.10183594	3.9945201e-30	8.5209015e-69	0.038278677

Q61035	Hars	Histidine--tRNA ligase, cytoplasmic	569.23	30.45	57432	12	0.03293027	1.71915391	0.10193791	6.6227755e-30	1.7024794e-68	0.038317006
Q6AYA1	Gar1	H/ACA ribonucleoprotein complex subunit 1	104.08	9.73	23011	2	0.03295576	0.60757817	0.10193791	1.0960884e-29	3.3958255e-68	0.038317006
Q68FH4	Galk2	N-acetylgalactosamine kinase	108.72	5.02	50503	2	0.03300472	1.88578266	0.1019421	1.8108424e-29	6.7654307e-68	0.038318581
Q8C878	Uba3	NEDD8-activating enzyme E1 catalytic subunit	158.9	14.07	51737	3	0.03302853	2.28630695	0.1019421	2.9863771e-29	1.3459705e-67	0.038318581
P23116	Eif3a	Eukaryotic translation initiation factor 3 subunit A	910.71	14.21	161936	19	0.03316074	1.40494163	0.10222136	4.9162842e-29	2.6746576e-67	0.038423551
Q8CGY8	Ogt	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit	320.67	8.41	116952	6	0.03319061	1.7898405	0.10222136	8.0789895e-29	5.3033785e-67	0.038423551
Q80X41	Vrk1	Serine/threonine-protein kinase VRK1	203.91	16.82	49741	4	0.03323877	1.54397168	0.10225938	1.3252696e-28	1.0502807e-66	0.038437842
P49718	Mcm5	DNA replication licensing factor MCM5	1088.75	30.97	82343	22	0.03337235	1.32663044	0.10240836	2.1700911e-28	2.0770752e-66	0.038493841
O08579	Emd	Emerin	335.04	47.88	29436	7	0.03338261	0.7493132	0.10240836	3.5471343e-28	4.0987394e-66	0.038493841
Q91WD5	Ndufs2	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	338.61	16.41	52626	5	0.03339481	0.53582119	0.10240836	5.7876548e-28	8.0797056e-66	0.038493841
Q62048	Pea15	Astrocytic phosphoprotein PEA-15	156.7	16.92	15054	3	0.03345378	3.24375799	0.10247912	9.4265404e-28	1.5910328e-65	0.03852044
O88447	Klc1	Kinesin light chain 1	104.17	4.44	61450	2	0.03356468	1.92050885	0.10270865	1.5325906e-27	3.1283398e-65	0.038606716
Q62426	Cstb	Cystatin-B	245.11	66.33	11046	4	0.03361109	1.78493748	0.10274054	2.4872732e-27	6.138954e-65	0.038618705
O35841	Api5	Apoptosis inhibitor 5	603.03	27.18	56785	9	0.03374434	1.40528045	0.10303754	4.0294309e-27	1.2030321e-64	0.038730342
P35700	Prdx1	Peroxiredoxin-1	1457.55	86.43	22176	26	0.03384528	1.55136145	0.10321556	6.5160773e-27	2.3524532e-64	0.038797256
P28474	Adh5	Alcohol dehydrogenase class-3	971.23	54.01	39548	14	0.03390577	1.69835394	0.10321556	1.0518418e-26	4.5915069e-64	0.038797256
P60517	Gabarap	Gamma-aminobutyric acid receptor-associated protein	186.83	21.37	13918	3	0.0339111	1.7130242	0.10321556	1.6948671e-26	8.9482744e-64	0.038797256
P49717	Mcm4	DNA replication licensing factor MCM4	1020.22	25.87	96736	17	0.03397562	1.2346481	0.10330182	2.7260973e-26	1.7421589e-63	0.038829681
Q9CR00	Psmc9	26S proteasome non-ATPase regulatory subunit 9	49.21	5.41	24720	1	0.0340702	2.93308186	0.10347916	4.3769024e-26	3.3866473e-63	0.03889634
Q6AXS3	Dek	Protein DEK	210.5	10.58	42892	4	0.03425415	1.22273393	0.10384425	7.0147402e-26	6.5715898e-63	0.039033573
P14841	Cst3	Cystatin-C	118.42	17.14	15437	2	0.03428297	2.31517259	0.10384425	1.122212e-25	1.2718853e-62	0.039033573
P35434	Atp5f1d	ATP synthase subunit delta, mitochondrial	182.54	15.48	17595	3	0.03433022	0.75619665	0.10384425	1.7920751e-25	2.4586678e-62	0.039033573
Q8BVE3	Atp6v1h	V-type proton ATPase subunit H	268.1	13.04	55855	5	0.03434317	1.37942623	0.10384425	2.8566355e-25	4.746302e-62	0.039033573
Q27W01	Rbm8a	RNA-binding protein 8A	251.44	32.18	19889	4	0.03438252	0.64516697	0.10384425	4.54538e-25	9.1526051e-62	0.039033573
Q4G009	Mcts1	Malignant T-cell-amplified sequence 1	121.98	10.44	20550	1	0.03440864	1.08786286	0.10384425	7.2194092e-25	1.7626528e-61	0.039033573
Q9D892	Itpa	Inosine triphosphate pyrophosphatase	69.54	5.56	21897	1	0.03452095	1.94651247	0.1040732	1.1445864e-24	3.3905588e-61	0.039119631
Q9D270	Zdhhc21	Probable palmitoyltransferase ZDHHC21	49.75	3.02	31331	1	0.03461489	0.56551727	0.10424632	1.8113834e-24	6.5092767e-61	0.039184705
P68181	Prkacb	cAMP-dependent protein kinase catalytic subunit beta	261.26	16.24	40708	5	0.03482485	1.85278755	0.10476812	2.8614515e-24	1.2474474e-60	0.039380843
Q9JMH9	Myo18a	Unconventional myosin-XVIIIa	226.5	3.07	232755	5	0.03499721	1.93334044	0.10517583	4.5120715e-24	2.3840159e-60	0.039534094
Q8VC03	Eml3	Echinoderm microtubule-associated protein-like 3	142.55	4.12	95695	3	0.03516049	2.03618729	0.1055554	7.1019649e-24	4.5450605e-60	0.039676771
Q9QZ88	Vps29	Vacuolar protein sorting-associated protein 29	200.28	37.36	20496	5	0.03544596	1.98174118	0.10621304	1.1158181e-23	8.6447456e-60	0.039923968
Q3T1J9	Mob1a	MOB kinase activator 1A	183.3	18.98	25080	5	0.03545395	1.69509344	0.10621304	1.7499271e-23	1.6387265e-59	0.039923968
P20152	Vim	Vimentin	3985.31	85.19	53688	65	0.03554437	1.53903888	0.1063723	2.7394134e-23	3.1032547e-59	0.039983832
Q6AYT7	Abhd12	Monoacylglycerol lipase ABHD12	475.06	31.41	45296	10	0.03561373	0.63534647	0.10646826	4.2806095e-23	5.8665925e-59	0.040019902
Q8K2C9	Hacd3	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3	39.76	2.21	43131	1	0.0357367	0.04874584	0.10672415	6.676724e-23	1.1073604e-58	0.040116087
Q4QQR9	Memo1	Protein MEMO1	49.26	4.71	33679	1	0.03578646	2.68119828	0.10676106	1.0395141e-22	2.0860994e-58	0.040129961
Q9DCN2	Cyb5r3	NADH-cytochrome b5 reductase 3	772.85	35.88	34128	11	0.0359292	0.70086439	0.10702825	1.6154958e-22	3.9245295e-58	0.040230391
Q6PGL7	Washc2	WASH complex subunit 2	103.18	3.15	145311	2	0.03595099	2.60254957	0.10702825	2.5060467e-22	7.3674335e-58	0.040230391
Q9D706	Rpap3	RNA polymerase II-associated protein 3	131.8	4.39	74096	2	0.03623854	2.25650373	0.10767295	3.8804286e-22	1.3815029e-57	0.040472727
Q99L45	Eif2s2	Eukaryotic translation initiation factor 2 subunit 2	516.94	38.07	38092	10	0.03625873	1.32251233	0.10767295	5.9975904e-22	2.5820111e-57	0.040472727
P15429	Eno3	Beta-enolase	668.53	19.82	47014	7	0.03630315	1.62924079	0.10767295	9.252942e-22	4.8203564e-57	0.040472727
Q8VE10	Naa40	N-alpha-acetyltransferase 40	69.45	5.06	27229	1	0.03631841	1.77495335	0.10767295	1.4249124e-21	8.9873066e-57	0.040472727
Q8BYA0	Tbcd	Tubulin-specific chaperone D	135.78	3.09	133321	3	0.03644942	2.0881997	0.10794925	2.1902874e-21	1.6738269e-56	0.040576585
Q9ESX5	Dkc1	H/ACA ribonucleoprotein complex subunit DKC1	849.71	35.76	57402	16	0.03658754	0.58135948	0.10824604	3.3606094e-21	3.1111412e-56	0.040688143
Q5U3K5	Rabl6	Rab-like protein 6	54.02	1.52	79831	1	0.03678841	2.32154526	0.10872765	5.1468121e-21	5.7707906e-56	0.040869173
P12368	Prkar2a	cAMP-dependent protein kinase type II-alpha regulatory subunit	251.98	12.97	45480	4	0.03686259	1.80877584	0.10883421	7.8679441e-21	1.0676912e-55	0.040909228
P47857	Pfkm	ATP-dependent 6-phosphofructokinase, muscle type	268.67	7.56	85269	6	0.03698606	1.51295242	0.10886004	1.2005666e-20	1.9723666e-55	0.040918937
Q99LX0	Park7	Protein/nucleic acid deglycase DJ-1	862.06	85.71	20021	14	0.03701703	1.53238343	0.10886004	1.8285743e-20	3.6365932e-55	0.040918937
Q8CI71	Vps50	Syndetin	91.89	2.07	111174	2	0.03705705	1.79643795	0.10886004	2.7799674e-20	6.6970181e-55	0.040918937
Q60931	Vdac3	Voltage-dependent anion-selective channel protein 3	407.52	28.98	30753	6	0.03707122	0.66713182	0.10886004	4.2185855e-20	1.2317337e-54	0.040918937
Q9CQ71	Rpa3	Replication protein A 14 kDa subunit	72.45	30.58	13584	2	0.03708341	1.56500574	0.10886004	6.3898905e-20	2.2630141e-54	0.040918937

P62889	Rpl30	60S ribosomal protein L30	437.35	58.26	12784	7	0.03710011	1.60957385	0.10886004	9.6609255e-20	4.1533496e-54	0.040918937
P70582	Nup54	Nuclear pore complex protein Nup54	136.49	4.51	55745	2	0.03718479	0.69690095	0.1089965	1.4579484e-19	7.6143769e-54	0.040970228
P68433	Hist1h3a	Histone H3.1	745.88	61.76	15404	11	0.03723589	0.33432056	0.10903432	2.196155e-19	1.3936927e-53	0.040984448
P53042	Ppp5c	Serine/threonine-protein phosphatase 5	219.69	9.02	56917	3	0.03727723	2.25477655	0.10904355	3.3020269e-19	2.5474692e-53	0.040987915
Q8V BV7	Cops8	COP9 signalosome complex subunit 8	216.54	29.67	23256	4	0.03735951	1.7985526	0.10908828	4.9555782e-19	4.650422e-53	0.04100473
Q3TIU4	Pde12	2',5'-phosphodiesterase 12	76.18	4.11	67514	2	0.03740219	2.11884319	0.10908828	7.4234111e-19	8.4758194e-53	0.04100473
P14824	Anxa6	Annexin A6	682.14	21.25	75885	13	0.03741947	0.74069421	0.10908828	1.1099604e-18	1.5427942e-52	0.04100473
Q9WV85	Nme3	Nucleoside diphosphate kinase 3	75.17	10.06	19099	1	0.03744537	2.27534707	0.10908828	1.6565538e-18	2.8051385e-52	0.04100473
P29341	Pabpc1	Polyadenylate-binding protein 1	1989.39	60.22	70671	33	0.0375212	1.41387871	0.10919777	2.4677269e-18	5.0943816e-52	0.041045886
P97287	Mcl1	Induced myeloid leukemia cell differentiation protein Mcl-1 homolog	50.22	3.93	35217	1	0.03763424	120461.585	0.10923729	3.6692847e-18	9.2375256e-52	0.041060739
P04550	Ptms	Parathyromosin	73.71	10.78	11559	1	0.03768423	1.26577869	0.10923729	5.4457519e-18	1.6719625e-51	0.041060739
Q9D2Y4	Mlk1	Mixed lineage kinase domain-like protein	67.31	2.97	54317	1	0.03769801	1.75794588	0.10923729	8.0672543e-18	3.0221075e-51	0.041060739
P02301	H3f3c	Histone H3.3C 3	574.81	54.41	15315	9	0.03770303	0.33489212	0.10923729	1.1928461e-17	5.4566047e-51	0.041060739
O09117	Syp11	Synaptophysin-like protein 1	83.03	4.21	28899	2	0.03781233	0.70878187	0.10923729	1.7604886e-17	9.8421851e-51	0.041060739
Q6PCT3	Tpd5212	Tumor protein D54	361.36	32.73	23992	6	0.03783345	3.44835619	0.10923729	2.5934115e-17	1.7720696e-50	0.041060739
Q91VY9	Znf622	Zinc finger protein 622	61.8	4.41	53451	1	0.03788661	1.76899696	0.10923729	3.8132777e-17	3.1869393e-50	0.041060739
Q9CWU9	Nup37	Nucleoporin Nup37	133.98	10.12	36732	2	0.03795016	0.54609225	0.10923729	5.5964616e-17	5.723576e-50	0.041060739
Q99P69	Nuf2	Kinetochore protein Nuf2	35.47	2.38	54594	1	0.0379524	3.35243408	0.10923729	8.1981535e-17	1.0264283e-49	0.041060739
P62962	Pfn1	Profilin-1	1196.8	94.29	14957	18	0.03795342	1.61346034	0.10923729	1.1986857e-16	1.8388732e-49	0.041060739
P53994	Rab2a	Ras-related protein Rab-2A	478.13	38.68	23548	8	0.03796646	0.74945196	0.10923729	1.7493659e-16	3.2910889e-49	0.041060739
P11499	Hsp90ab1	Heat shock protein HSP 90-beta	4353.79	70.03	83281	63	0.03799392	1.62704511	0.10923729	2.5482463e-16	5.8837303e-49	0.041060739
Q9CR60	Golt1b	Vesicle transport protein GOT1B	151.02	10.87	15422	2	0.03830082	0.52854875	0.1100089	3.7049885e-16	2.10506178e-48	0.041350776
O08583	Alyref	THO complex subunit 4	441.15	47.06	26940	6	0.03853796	0.73920926	0.11048657	5.3767072e-16	1.8699924e-48	0.041530325
P62835	Rap1a	Ras-related protein Rap-1A	826	75	20987	13	0.03854453	0.86795704	0.11048657	7.7880597e-16	3.3194456e-48	0.041530325
P36916	Gnl1	Guanine nucleotide-binding protein-like 1	138.93	5.27	68771	3	0.03862605	2.27083925	0.1106092	1.1259649e-15	5.8862584e-48	0.041576421
P45376	Akr1b1	Aldose reductase	1012.93	50.32	35732	18	0.0387006	1.664188	0.11065913	1.6248095e-15	1.0421474e-47	0.04159519
Q9D2R0	Aacs	Acetoacetyl-CoA synthetase	118.49	4.17	75200	3	0.03872101	1.80063754	0.11065913	2.3402454e-15	1.842286e-47	0.04159519
O89110	Casp8	Caspase-8	116.36	4.38	55357	2	0.03887019	2.9419681	0.1109744	3.3643487e-15	3.2530359e-47	0.041713694
Q8BGA5	Krr1	KRR1 small subunit processome component homolog	129.86	7.89	43538	3	0.03898191	1.86222461	0.11110896	4.8274812e-15	5.7323366e-47	0.041764274
P84096	Rhog	Rho-related GTP-binding protein RhoG	599.43	58.12	21309	9	0.03899516	1.32644902	0.11110896	6.9138424e-15	1.0083281e-46	0.041764274
P62907	Rpl10a	60S ribosomal protein L10a	794.08	50.69	24831	15	0.03904798	1.23100169	0.11114853	9.8831863e-15	1.7717307e-46	0.041779146
P62982	Rps27a	Ubiquitin-40S ribosomal protein S27a	730.07	58.97	17951	12	0.03918236	0.71179528	0.11133812	1.4101082e-14	3.1088455e-46	0.041850413
O88738	Birc6	Baculoviral IAP repeat-containing protein 6	111.77	0.8	532170	3	0.03919258	1.76741588	0.11133812	2.0080991e-14	5.4445474e-46	0.041850413
Q3TDD9	Ppp1r21	Protein phosphatase 1 regulatory subunit 21	43.24	1.92	88338	1	0.03940278	1.67834526	0.111824	2.854266e-14	9.5248458e-46	0.042033048
Q3V300	Kif22	Kinesin-like protein KIF22	199.06	5.3	73190	3	0.03958963	2.48199654	0.11224269	4.0492972e-14	1.662236e-45	0.042190428
P54731	Faf1	FAS-associated factor 1	93.16	2	73863	2	0.03970739	1.9884257	0.11246487	5.7337675e-14	2.8942788e-45	0.042273943
Q91WT8	Rbm47	RNA-binding protein 47	42.72	3.39	64062	1	0.0398106	2.51921891	0.11263094	8.1035451e-14	5.0304598e-45	0.042336365
Q9EST4	Psmg2	Proteasome assembly chaperone 2	145.19	10.98	29524	4	0.03984492	2.21810937	0.11263094	1.1430991e-13	8.7284831e-45	0.042336365
P57716	Ncastn	Nicastrin	165.31	6.36	78492	4	0.03995348	0.63030523	0.1126784	1.6094071e-13	1.5126376e-44	0.042354204
E9Q555	Rnf213	E3 ubiquitin-protein ligase RNF213	48.5	0.14	584784	1	0.0400256	5.02314768	0.1126784	2.2616241e-13	2.61686e-44	0.042354204
Q9CZW4	Acs13	Long-chain-fatty-acid--CoA ligase 3	321.46	9.17	80492	5	0.04005057	1.94620571	0.1126784	3.1720992e-13	4.5204409e-44	0.042354204
Q5XI13	Grwd1	Glutamate-rich WD repeat-containing protein 1	82.53	6.74	49169	2	0.04008313	1.78621064	0.1126784	4.4406266e-13	7.7996264e-44	0.042354204
Q9JKP5	Mbnl1	Muscleblind-like protein 1	350.63	25.22	36976	6	0.04009072	1.49488041	0.1126784	6.2045774e-13	1.3441129e-43	0.042354204
Q8R1F1	Fam129b	Niban-like protein 1	398.35	12.28	84819	8	0.04009851	1.53728022	0.1126784	8.6526662e-13	2.3138611e-43	0.042354204
Q91VC3	Eif4a3	Eukaryotic initiation factor 4A-III	707.67	27.49	46840	11	0.04019697	0.83359075	0.11284399	1.2043613e-12	3.9790244e-43	0.042416447
Q6ZQI3	Mlec	Malectin	128.98	9.97	32342	2	0.04029815	0.70262675	0.11301691	1.6731392e-12	6.8311659e-43	0.042481443
Q62318	Trim28	Transcription intermediary factor 1-beta	1463.95	42.45	88847	24	0.04048653	1.16594065	0.1134338	2.3199313e-12	1.170807e-42	0.04263815
Q99JH1	Rpp251	Ribonuclease P protein subunit p25-like protein	38.46	5.52	17675	1	0.04058182	2.19308716	0.11354243	3.2105928e-12	2.0021849e-42	0.042678981
P27659	Rpl3	60S ribosomal protein L3	1300.46	45.16	46110	20	0.04060484	1.11288288	0.11354243	4.4346745e-12	3.4183434e-42	0.042678981
Q8R146	Apeh	Acylamino-acid-releasing enzyme	300.03	13.25	81581	5	0.04081602	2.18264891	0.11399119	6.1136981e-12	5.8293753e-42	0.042847662
Q3UHX2	Pdap1	28 kDa heat- and acid-stable phosphoprotein	353.81	22.65	20605	5	0.04084518	1.83354084	0.11399119	8.4122328e-12	9.9174597e-42	0.042847662
P54775	Psmc4	26S proteasome regulatory subunit 6B	397.47	23.92	47408	8	0.0408869	1.283073	0.1139962	1.1552686e-11	1.6852232e-41	0.042849547
Q3UEB3	Puf60	Poly(U)-binding-splicing factor PUF60	528.65	22.7	60249	8	0.04110564	1.22359627	0.11449423	1.583501e-11	2.8599445e-41	0.04303675
P41216	Acs11	Long-chain-fatty-acid--CoA ligase 1	132.42	29.61	77951	16	0.04132754	1.21530584	0.11500013	2.1662908e-11	4.8419043e-41	0.043226908
Q8BRN9	Cc2d1b	Coiled-coil and C2 domain-containing protein 1B	70.91	2.71	93091	1	0.04145188	2.24243709	0.1151501	2.9578596e-11	8.1776828e-41	0.043283281

P14882	Pcca	Propionyl-CoA carboxylase alpha chain, mitochondrial	41.72	2.04	81623	1	0.0414621	0.0541788	0.1151501	4.0308815e-11	1.378695e-40	0.043283281
P30904	Mif	Macrophage migration inhibitory factor	183.07	17.39	12477	3	0.0415687	1.67002505	0.11533396	5.482562e-11	2.3218718e-40	0.043352391
P13832	Rlc-a	Myosin regulatory light chain RLC-A	199.63	29.07	19895	4	0.04172783	2.11742542	0.11566307	7.4426473e-11	3.9037407e-40	0.043476099
Q61166	Mapre1	Microtubule-associated protein RP/EB family member 1	323.06	30.6	30016	6	0.04180373	1.29682673	0.11576105	1.0083958e-10	6.5502482e-40	0.04351293
P35123	Usp4	Ubiquitin carboxyl-terminal hydrolase 4	210.45	7.9	108343	5	0.04209273	2.35784899	0.11644839	1.3636209e-10	1.0974682e-39	0.04377129
Q9EST5	Anp32b	Acidic leucine-rich nuclear phosphoprotein 32 family member B	373.31	25.74	31079	8	0.042213	1.43818454	0.11666806	1.8404103e-10	1.8336771e-39	0.043853858
P82343	Renbp	N-acylglucosamine 2-epimerase	125.93	11.4	49771	3	0.04231596	2.26555958	0.11673745	2.4790963e-10	3.0584349e-39	0.043879942
Q9D883	U2af1	Splicing factor U2AF 35 kDa subunit	333.06	22.18	27815	5	0.04231988	1.43111939	0.11673745	3.332953e-10	5.0929297e-39	0.043879942
Q9JKB3	Ybx3	Y-box-binding protein 3	525.42	26.87	38814	7	0.0423714	1.70230774	0.11676673	4.4722018e-10	8.4719998e-39	0.04389095
Q9R1T4	Sept6	Septin-6	97.89	6.22	49620	3	0.0424341	2.2965471	0.11682675	5.9892074e-10	1.4074389e-38	0.043913511
P61027	Rab10	Ras-related protein Rab-10	504.11	34	22541	8	0.04288257	0.61273868	0.11794773	8.0052043e-10	2.334906e-38	0.04433487
P25206	Mcm3	DNA replication licensing factor MCM3	1298.46	33.5	91546	20	0.04303963	1.27138186	0.11826576	1.0678984e-09	3.8593988e-38	0.044454415
Q8CFE2	Hpf1	Histone PARylation factor 1	112.24	7.8	39291	2	0.04313649	1.91361806	0.11841797	1.4218091e-09	6.3669725e-38	0.044511627
Q8VII6	Sfpq	Splicing factor, proline- and glutamine-rich	1483.98	33.19	75442	24	0.04320463	0.77990621	0.11844469	1.8893213e-09	1.0487295e-37	0.04452167
P23514	Copb1	Coatomer subunit beta	657.7	17.52	107011	13	0.0432292	1.77929244	0.11844469	2.5056642e-09	1.7249801e-37	0.04452167
Q9R1P1	Psmb3	Proteasome subunit beta type-3	809.18	51.71	22965	13	0.04327078	1.48450621	0.11844496	3.3165902e-09	2.8340252e-37	0.04452177
Q99LC3	Ndufa10	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial	337.17	19.44	40603	6	0.0433896	0.61648904	0.1186191	4.3813912e-09	4.6502789e-37	0.04458723
P09411	Pgk1	Phosphoglycerate kinase 1	2549.8	77.94	44550	37	0.0434175	1.57687514	0.1186191	5.7767409e-09	7.6175912e-37	0.04458723
P48962	Slc25a4	ADP/ATP translocase 1	1241.76	60.07	32904	21	0.0434826	0.70042386	0.1186834	7.6015779e-09	1.2463665e-36	0.044611397
P16884	Nefh	Neurofilament heavy polypeptide	82.43	1.59	115378	2	0.0436048	2.11830561	0.11890325	9.9832972e-09	2.0364357e-36	0.044694037
Q61036	Pak3	Serine/threonine-protein kinase PAK 3	417.75	13.95	62398	7	0.0436953	1.61967733	0.11896607	1.3085581e-08	3.3216391e-36	0.044717649
Q8BLUK6	Hook3	Protein Hook homolog 3	81.27	3.62	83218	2	0.04371118	4.83274574	0.11896607	1.7118283e-08	5.4096578e-36	0.044717649
O08709	Prdx6	Peroxiredoxin-6	857.43	72.77	24871	15	0.04389868	1.70348817	0.11935746	2.2349865e-08	8.80045e-36	0.044864769
Q9JHI5	Ivd	Isovaleryl-CoA dehydrogenase, mitochondrial	323.11	16.75	46325	7	0.0439386	0.74509161	0.11935746	2.9123031e-08	1.428699e-35	0.044864769
Q64324	Stxbp2	Syntaxin-binding protein 2	290.05	16.69	66357	6	0.04410765	1.61157383	0.1197028	3.7874295e-08	2.316521e-35	0.044994576
Q99K51	Pls3	Plastin-3	1330.34	41.43	70742	22	0.04432725	1.67798431	0.1201659	4.9158462e-08	3.7487022e-35	0.04516865
P10639	Txn	Thioredoxin	234.83	35.24	11675	4	0.04438198	1.67043517	0.1201659	6.3679137e-08	6.0528174e-35	0.04516865
P11352	Gpx1	Glutathione peroxidase 1	119.38	15.92	22329	3	0.04440563	2.2799499	0.1201659	8.2326682e-08	9.7602503e-35	0.04516865
Q641Z8	Pefl1	Peflin	63.59	4.59	30012	1	0.04444665	2.22215035	0.1201659	1.0622532e-07	1.5720421e-34	0.04516865
P22892	Ap1g1	AP-1 complex subunit gamma-1	370.12	10.71	91350	7	0.04461443	1.43453615	0.12050539	1.3679142e-07	2.5288633e-34	0.045296259
Q63228	Gmfb	Glia maturation factor beta	271.63	35.21	16736	4	0.04469895	1.38261519	0.12061956	1.7580553e-07	4.060194e-34	0.045339172
Q9ZZX2	Psmd10	26S proteasome non-ATPase regulatory subunit 10	82.89	3.46	25084	1	0.04487895	2.83928713	0.12099094	2.25501e-07	6.509164e-34	0.04547877
P11167	Slc2a1	Solute carrier family 2, facilitated glucose transporter member 1	270.66	9.96	53963	4	0.04507204	0.58050465	0.1213813	2.8867298e-07	1.041453e-33	0.045625498
Q8K183	Pdxk	Pyridoxal kinase	258.76	17.31	35015	5	0.04510878	2.13307989	0.1213813	3.6881192e-07	1.6628893e-33	0.045625498
Q6GQT9	Nomo1	Nodal modulator 1	806.74	18.45	133420	14	0.0451961	0.48896775	0.12139343	4.7026689e-07	2.6519038e-33	0.045630059
P14733	Lmbn1	Lamin-B1	2214.53	59.69	66786	40	0.04523892	0.66284586	0.12139343	5.9844457e-07	4.22286e-33	0.045630059
Q80VD1	Fam98b	Protein FAM98B	252.46	13.29	45349	5	0.04524084	1.82458539	0.12139343	7.6005151e-07	6.7160167e-33	0.045630059
P62855	Rps26	40S ribosomal protein S26	194.42	24.35	13015	3	0.04533591	1.35787438	0.12153429	9.6338784e-07	1.0670018e-32	0.045683006
P52633	Stat6	Signal transducer and transcription activator 6	124.14	4.06	93497	3	0.04572805	2.06445754	0.12247054	1.2187028e-06	1.692602e-32	0.046034929
Q5M947	Rrp15	RRP15-like protein	54.1	3.93	30926	1	0.04577783	0.64374385	0.12248895	1.538624e-06	2.6767976e-32	0.046041848
Q61171	Prdx2	Peroxiredoxin-2	668.63	57.58	21779	11	0.04608273	1.45897023	0.12305941	1.9386736e-06	4.2278463e-32	0.046256278
P63245	Rack1	Receptor of activated protein C kinase 1	1567.29	81.07	35077	26	0.04612673	1.4491407	0.12305941	2.4378892e-06	6.6604095e-32	0.046256278
P70188	Kifap3	Kinesin-associated protein 3	42.04	2.52	91291	1	0.04613183	6.72135589	0.12305941	3.0595656e-06	1.0479506e-31	0.046256278
D3ZBE5	Nek7	Serine/threonine-protein kinase Nek7	60.98	7.95	34529	2	0.04616344	2.15346752	0.12305941	3.8321428e-06	1.6471136e-31	0.046256278
P97797	Sirpa	Tyrosine-protein phosphatase non-receptor type substrate 1	167.75	8.97	56425	3	0.04629281	0.78300758	0.12328916	4.7902617e-06	2.5857696e-31	0.046342637
E9Q4Z2	Acacb	Acetyl-CoA carboxylase 2	63.4	1.35	275750	2	0.04642434	2.74407605	0.12352422	5.9760194e-06	4.0525279e-31	0.046430995
Q66HG8	Ik	Protein Red	98.65	7.18	65588	3	0.04657352	1.93458884	0.12380577	7.4404555e-06	6.340579e-31	0.046536824
P60521	Gabarap2	Gamma-aminobutyric acid receptor-associated protein-like 2	179.61	36.75	13667	4	0.04685111	2.14044015	0.12429252	9.245308e-06	9.9028943e-31	0.046719786
Q60605	Myl6	Myosin light polypeptide 6	753.38	66.23	16930	11	0.04685827	1.18873988	0.12429252	1.1465082e-05	1.542956e-30	0.046719786
Q9EQ80	Nif3l1	NIF3-like protein 1	368.02	19.95	41746	7	0.04688723	1.65869462	0.12429252	1.4189481e-05	2.4015032e-30	0.046719786

Q9QZ73	Deun1d1	DCN1-like protein 1	45.08	5.02	30097	1	0.04694835	1.80065898	0.1243391	1.7526249e-05	3.7333913e-30	0.046737293
Q9DC69	Ndufa9	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial	366.92	23.61	42525	6	0.0470649	0.64375434	0.12447807	2.1604501e-05	5.7962313e-30	0.046789532
A1L1L2	Tmem214	Transmembrane protein 214	65.71	2.04	76566	1	0.04708803	0.53527204	0.12447807	2.6578588e-05	8.9844812e-30	0.046789532
Q4V7A6	Phf10	PHD finger protein 10	39.26	2.41	55884	1	0.0471534	2.15917081	0.12453557	3.2632599e-05	1.3910475e-29	0.046811146
Q8BMZ5	Tsen34	tRNA-splicing endonuclease subunit Sen34	86.17	7.59	34196	2	0.04733272	1.90708053	0.12489365	3.9985558e-05	2.1508164e-29	0.046945741
Q61210	Arhgef1	Rho guanine nucleotide exchange factor 1	523.33	12.83	102805	9	0.04737774	1.28649875	0.124897	4.8897437e-05	3.3192544e-29	0.046947001
P30285	Cdk4	Cyclin-dependent kinase 4	129.44	8.25	33751	2	0.04757625	1.60756841	0.1253046	5.9676066e-05	5.1160341e-29	0.047100212
O08788	Dctn1	Dynactin subunit 1	295.4	7.57	141676	6	0.04763409	1.27860571	0.12534131	7.2685056e-05	7.8698425e-29	0.047114012
D4A2Z8	Dhx36	ATP-dependent DNA/RNA helicase DHX36	220.46	6.4	113843	4	0.0479486	1.9701595	0.12605273	8.8352875e-05	1.2090072e-28	0.047381424
P24452	Capg	Macrophage-capping protein	1306.43	42.61	39240	16	0.04811746	1.52623626	0.1261418	0.00010718317	1.8526804e-28	0.047414903
Q9QY17	Pacsin2	Protein kinase C and casein kinase substrate in neurons 2 protein	164.27	8.4	55978	4	0.04814826	2.5481087	0.1261418	0.00012976652	2.8338795e-28	0.047414903
P05064	Aldoa	Fructose-bisphosphate aldolase A	2479.37	82.69	39356	35	0.04818029	1.47514655	0.1261418	0.00015679371	4.3296274e-28	0.047414903
O08560	Dgkz	Diacylglycerol kinase zeta	147.96	7.32	104009	4	0.04818768	1.75489267	0.1261418	0.00018907077	6.607004e-28	0.047414903
O54734	Ddost	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit	855.66	39.46	49028	13	0.04823851	0.79491894	0.1261418	0.0002275358	1.0071444e-27	0.047414903
P21619	LmnB2	Lamin-B2	520.9	15.94	67318	9	0.04824758	0.78205048	0.1261418	0.00027327791	1.5332904e-27	0.047414903
P54311	Gnb1	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	561.43	31.76	37377	9	0.04838997	0.71644009	0.12639832	0.00032755833	2.3317648e-27	0.047511326
Q9CWX8	Snx2	Sorting nexin-2	1284.68	44.12	58471	21	0.04848199	1.46433714	0.12652292	0.00039183392	3.5400432e-27	0.047558162
P51881	Slc25a5	ADP/ATP translocase 2	1922.33	78.19	32931	28	0.04856131	0.6802426	0.1266142	0.00046778316	5.3665629e-27	0.047592472
O08810	Eftud2	116 kDa U5 small nuclear ribonucleoprotein component	933.4	25.23	109361	19	0.04871467	1.49424915	0.12689816	0.00055733494	8.1240553e-27	0.04769921
Q3T114	Prrc1	Protein PRRC1 2	65.9	2.93	46295	1	0.04883931	2.15295752	0.12707561	0.00066270017	1.2277074e-26	0.047765911
P62254	Ube2g1	Ubiquitin-conjugating enzyme E2 G1	45.17	5.88	19509	1	0.04888212	1.76812537	0.12707561	0.00078640639	1.8523352e-26	0.047765911
Q3TJZ6	Fam98a	Protein FAM98A	182.92	8.35	55055	4	0.04891632	1.68482887	0.12707561	0.00093133552	2.7912923e-26	0.047765911
Q9CPS7	Pno1	RNA-binding protein PNO1	292.98	38.31	27454	7	0.04902705	1.55192702	0.12724749	0.0011007648	4.2011472e-26	0.047830516
Q7TNC4	Luc7l2	Putative RNA-binding protein Luc7-like 2	347.62	20.41	46583	7	0.04910451	1.46655696	0.12733277	0.0012984113	6.3133587e-26	0.047862571
P24135	Pleg2	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2	218.19	4.43	147735	6	0.04929108	1.70764486	0.12770057	0.0015284792	9.474296e-26	0.04800824
P35585	Ap1m1	AP-1 complex subunit mu-1	223.66	14.89	48543	5	0.04962847	1.79525547	0.12845811	0.001795711	1.4191276e-25	0.04828557
Q8C166	Cpne1	Copine-1	634.77	27.05	58887	12	0.04973723	0.79197995	0.12862299	0.0021054416	2.1203369e-25	0.048347549
Q3U9G9	Lbr	Lamin-B receptor	552.18	17.73	71440	10	0.04983745	0.47576062	0.12869866	0.0024636561	3.1632178e-25	0.048375992
Q9D1E6	Tbcb	Tubulin-folding cofactor B	44.83	8.2	27386	1	0.04985664	2.69318231	0.12869866	0.0028770498	4.712058e-25	0.048375992
Q9D4H8	Cul2	Cullin-2	49.27	1.74	86877	1	0.0499042	3.78866862	0.12870506	0.0033530912	7.0113093e-25	0.048378397