

Supplementary Table 4: list of proteins which abundance is significantly modified in response to cell exposure to 10 micrometers 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	#peptides	T test 10 μ m	ratio 10 μ m/ctrl	B-H	SGoF+	SFisher	Q-value
Q99KC8	Vwa5a	von Willebrand factor A domain-containing protein 5A	1687.11	45.4	87143	28	2.5264E-06	2.29677407	0.0033546647	0	0	0.0013087798
Q9QXS1	Plec	Plectin	7877.069	38.39	534188	147	2.617E-06	2.18292978	0.0033546647	0	0	0.0013087798
Q8BTM8	Flna	Filamin-A	4874.93	41.48	281222	76	3.525E-06	3.33355131	0.0033546647	0	0	0.0013087798
P11250	Rpl34	60S ribosomal protein L34	153.17	20.51	13507	3	1.2663E-05	0.34866962	0.005561507	0	0	0.0021697512
P51569	Gla	Alpha-galactosidase A	270.09	14.32	47643	4	1.3112E-05	3.79340336	0.005561507	0	0	0.0021697512
Q9EQP2	Ehd4	EH domain-containing protein 4	849.75	35.86	61481	17	1.7686E-05	2.61603399	0.005561507	0	0	0.0021697512
P19253	Rpl13a	60S ribosomal protein L13a	566.97	43.35	23464	11	1.7828E-05	0.51772024	0.005561507	0	0	0.0021697512
Q9QXG4	Acss2	Acetyl-coenzyme A synthetase, cytoplasmic	195.12	6.42	78862	3	1.8641E-05	3.91902394	0.005561507	0	0	0.0021697512
P97449	Anpep	Aminopeptidase N	185.55	3	109651	2	1.9124E-05	6.87677242	0.005561507	0	0	0.0021697512
P10605	Ctsb	Cathepsin B	1457.13	63.72	37280	21	2.0479E-05	2.99719308	0.005561507	0	0	0.0021697512
Q6P5F9	Xpo1	Exportin-1	608.3	12.23	123093	10	2.1428E-05	2.73045932	0.005561507	0	0	0.0021697512
Q62465	Vat1	Synaptic vesicle membrane protein VAT-1 homolog	696.42	37.19	43097	12	2.4693E-05	3.7232436	0.0057143615	0	0	0.0022293855
P50516	Atp6v1a	V-type proton ATPase catalytic subunit A	1703.4	49.43	68326	26	2.7492E-05	2.22112073	0.0057143615	0	0	0.0022293855
Q99P91	Gpnmb	Transmembrane glycoprotein NMB	156.74	7.67	63676	4	2.8021E-05	4.17719252	0.0057143615	0	0	0.0022293855
Q9JHU4	Dync1h1	Cytoplasmic dynein 1 heavy chain 1	4449.2	23.32	532045	86	3.5097E-05	2.45980167	0.006680107	0	0	0.0026061588
P97429	Anxa4	Annexin A4	1299.64	55.17	35916	18	4.3666E-05	1.68410592	0.0067134584	0	0	0.0026191704
Q8BPU7	Elmo1	Engulfment and cell motility protein 1	219.22	11.69	83936	6	4.5421E-05	4.46903257	0.0067134584	0	0	0.0026191704
P27870	Vav1	Proto-oncogene vav	383.45	11.12	98137	8	4.6431E-05	2.60801711	0.0067134584	0	0	0.0026191704
Q9WUM4	Coro1c	Coronin-1C	861.13	36.08	53121	13	4.791E-05	1.87862627	0.0067134584	0	0	0.0026191704
Q3TRM8	Hk3	Hexokinase-3	1098.27	25.49	100101	17	4.8967E-05	3.39965898	0.0067134584	0	0	0.0026191704
Q9DBC7	Prkar1a	cAMP-dependent protein kinase type I-alpha regulatory subunit	449.12	22.57	43185	8	4.9381E-05	2.06571075	0.0067134584	0	0	0.0026191704
Q8VDJ3	Hdlbp	Vigilin	1815.6	30.21	141743	31	5.4272E-05	1.51763907	0.0068374393	0	0	0.00266754
Q8BL66	Eea1	Early endosome antigen 1	586.06	10.84	160915	12	5.7191E-05	2.21606615	0.0068374393	0	0	0.00266754
Q9DBG5	Plin3	Perilipin-3	847.34	42.79	47262	13	5.7478E-05	2.69124804	0.0068374393	0	0	0.00266754
Q9EQK5	Mvp	Major vault protein	1635.94	43.32	95924	27	6.3272E-05	1.83480618	0.0069897969	0	0	0.0027269804
Q9CQ75	Ndufa2	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	75.5	14.14	10916	1	6.4274E-05	0.54986125	0.0069897969	0	0	0.0027269804
Q7TMB8	Cyfip1	Cytoplasmic FMR1-interacting protein 1	787.81	14.84	145241	17	6.6103E-05	1.68397519	0.0069897969	0	0	0.0027269804
Q8BVE3	Atp6v1h	V-type proton ATPase subunit H	268.1	13.04	55855	5	7.6532E-05	2.39097828	0.0074339205	0	0	0.0029002495
Q8VDD5	Myh9	Myosin-9	7869.631	52.91	226372	116	8.1524E-05	2.01893545	0.0074339205	0	0	0.0029002495
Q3TW96	Uap111	UDP-N-acetylhexosamine pyrophosphorylase-like protein 1	706.45	30.37	56614	12	8.1721E-05	2.75115883	0.0074339205	0	0	0.0029002495
B2RQC6	Cad	CAD protein	1068.65	13.98	243238	23	8.183E-05	1.93870205	0.0074339205	0	0	0.0029002495
Q6I7R3	Isoc1	Isochorismatase domain-containing protein 1	115.24	8.42	32002	2	8.3678E-05	2.72746043	0.0074339205	0	0	0.0029002495
P26039	Tln1	Talin-1	6208.992	49.82	269821	91	8.5926E-05	1.73523073	0.0074339205	0	0	0.0029002495
Q9D4H8	Cul2	Cullin-2	49.27	1.74	86877	1	9.065E-05	8.85064584	0.0074996089	0	0	0.002925877
Q91VR5	Ddx1	ATP-dependent RNA helicase DDX1	905.19	31.76	82500	16	9.4088E-05	2.04795075	0.0074996089	0	0	0.002925877
P62320	Snrpd3	Small nuclear ribonucleoprotein Sm D3	385.4	54.76	13916	7	9.4566E-05	0.53433226	0.0074996089	0	0	0.002925877
Q9R0P3	Esd	S-formylglutathione hydrolase	950.34	68.44	31320	14	0.00010263	2.05259751	0.007759221	0	0	0.0030271614
P85972	Vcl	Vinculin	822.95	16.79	116615	16	0.00010328	3.44406623	0.007759221	0	0	0.0030271614
Q6R5N8	Tlr13	Toll-like receptor 13	197.08	5.95	114443	4	0.00010883	4.14932128	0.0078343085	0	0	0.0030564558
Q3UMU9	Hdgf12	Hepatoma-derived growth factor-related protein 2	64.15	1.35	74291	1	0.00011114	0.10374275	0.0078343085	0	0	0.0030564558

Q6NZJ6	Eif4g1	Eukaryotic translation initiation factor 4 gamma 1	1620.48	22.81	176077	29	0.00011251	1.81216439	0.0078343085	0	0	0.0030564558
Q9CZD3	Gars	Glycine--tRNA ligase	1137.19	32.92	81878	21	0.00012623	2.10603807	0.0085696469	0	0	0.0033433388
Q05816	Fabp5	Fatty acid-binding protein 5	1148.5	80	15137	16	0.00012907	3.1508602	0.0085696469	0	0	0.0033433388
Q5BJQ2	Mindy1	Ubiquitin carboxyl-terminal hydrolase MINDY-1	48	2.07	52729	1	0.0001436	3.29930869	0.0089633865	0	0	0.0034969512
Q99N69	Lpxn	Leupaxin	263.87	17.88	43478	6	0.00014668	2.97384308	0.0089633865	0	0	0.0034969512
Q8BYW1	Arhgap25	Rho GTPase-activating protein 25	332.92	13.12	73383	6	0.00015009	3.38556248	0.0089633865	0	0	0.0034969512
Q00519	Xdh	Xanthine dehydrogenase/oxidase	738.76	15.43	146562	13	0.00015012	3.23680502	0.0089633865	0	0	0.0034969512
Q9D8T2	Gsdmcd1	Gasdermin-D	125.87	7.19	53238	3	0.00015122	2.43426786	0.0089633865	0	0	0.0034969512
Q5XI32	Capzb	F-actin-capping protein subunit beta	1198.29	56.62	30629	19	0.00015666	1.88935219	0.0089633865	0	0	0.0034969512
Q6VN19	Ranbp10	Ran-binding protein 10	143.56	4.19	67188	2	0.00015698	5.23600053	0.0089633865	0	0	0.0034969512
Q8BMJ2	Lars	Leucine--tRNA ligase, cytoplasmic	1136.64	23.6	134192	22	0.00017002	2.31277818	0.0093514692	0	0	0.0036483568
Q71LX4	Tln2	Talin-2	594.96	3.75	253621	10	0.00017292	1.89105696	0.0093514692	0	0	0.0036483568
P34960	Mmp12	Macrophage metalloelastase	47.02	1.69	54971	1	0.0001736	9.00525028	0.0093514692	0	0	0.0036483568
Q58A65	Spag9	C-Jun-amino-terminal kinase-interacting protein 4	117.93	2.8	146219	3	0.00017977	3.06330828	0.0094947373	0	0	0.003704251
P27546	Map4	Microtubule-associated protein 4	602.92	22.04	117429	15	0.00018291	1.89489099	0.0094947373	0	0	0.003704251
P56399	Usp5	Ubiquitin carboxyl-terminal hydrolase 5	1049.75	30.42	95833	19	0.00019166	1.6269215	0.0097711782	0	0	0.0038121009
O70325	Gpx4	Phospholipid hydroperoxide glutathione peroxidase	95.59	11.68	22229	2	0.00020075	2.7238284	0.0098367365	0	0	0.0038376777
E9PVA8	Gcn1	eIF-2-alpha kinase activator GCN1	214.6	2.47	293021	6	0.00020474	4.07370519	0.0098367365	0	0	0.0038376777
P23116	Eif3a	Eukaryotic translation initiation factor 3 subunit A	910.71	14.21	161936	19	0.00020487	2.20640573	0.0098367365	0	0	0.0038376777
P23198	Cbx3	Chromobox protein homolog 3	704.38	36.61	20855	10	0.00020673	0.59540188	0.0098367365	0	0	0.0038376777
Q69ZK0	Prex1	Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein	571.72	11.03	184935	13	0.00022379	2.74857743	0.010367922	0	0	0.0040449131
P81799	Nagk	N-acetyl-D-glucosamine kinase	56.74	2.92	37196	1	0.00022515	5.63744467	0.010367922	0	0	0.0040449131
O08638	Myh11	Myosin-11	590.56	5.48	227028	11	0.00022951	1.91686222	0.010400731	0	0	0.0040577129
Q6URW6	Myh14	Myosin-14	471.68	4.1	228586	9	0.00023434	1.91347792	0.010453706	0	0	0.0040783805
O08547	Sec22b	Vesicle-trafficking protein SEC22b	539.67	43.72	24741	9	0.00024022	1.22211997	0.010514513	0	0	0.0041021035
P50399	Gdi2	Rab GDP dissociation inhibitor beta	1995.58	69.89	50537	34	0.00024548	2.33538928	0.010514513	0	0	0.0041021035
Q9QXK3	Copg2	Coatomer subunit gamma-2	486.4	11.14	97681	8	0.00024675	2.04776473	0.010514513	0	0	0.0041021035
P05132	Prkaca	cAMP-dependent protein kinase catalytic subunit alpha	277.34	16.24	40571	5	0.00025125	3.02003462	0.010516437	0	0	0.004102854
P46471	Psmc2	26S proteasome regulatory subunit 7	958.45	38.11	48648	16	0.00025416	1.51080579	0.010516437	0	0	0.004102854
Q8R491	Ehd3	EH domain-containing protein 3	345.1	13.08	60791	7	0.0002678	3.0120143	0.010875354	0	0	0.0042428812
O08529	Capn2	Calpain-2 catalytic subunit	209.94	9.43	79872	5	0.00027046	3.32485605	0.010875354	0	0	0.0042428812
P31996	Cd68	Macrosialin	125.97	8.9	34818	3	0.00027466	1.97812635	0.010890878	0	0	0.0042489377
F1LMZ8	Psm11	26S proteasome non-ATPase regulatory subunit 11	740.08	34.36	47464	14	0.00030949	1.76065757	0.011430127	0	0	0.0044593186
P17426	Ap2a1	AP-2 complex subunit alpha-1	767.87	23.64	107664	16	0.0003118	2.09400527	0.011430127	0	0	0.0044593186
Q8VCN5	Cth	Cystathionine gamma-lyase	407.83	22.61	43567	7	0.00031213	2.50249452	0.011430127	0	0	0.0044593186
Q924C1	Xpo5	Exportin-5	293.84	6.64	136973	6	0.00031783	4.7852063	0.011430127	0	0	0.0044593186
Q5SW19	Cluh	Clustered mitochondria protein homolog	186.59	3.88	148068	4	0.00031844	3.92483771	0.011430127	0	0	0.0044593186
P28798	Grn	Granulins	729.37	37.18	63458	15	0.00031945	1.64649311	0.011430127	0	0	0.0044593186
Q6P1B1	Xpnpep1	Xaa-Pro aminopeptidase 1	556.77	26.32	69591	11	0.00032096	2.01432982	0.011430127	0	0	0.0044593186
Q3UZ39	Lrrfip1	Leucine-rich repeat flightless-interacting protein 1	647.42	24.69	79249	12	0.00032774	1.95232696	0.011430127	0	0	0.0044593186
Q9JMA1	Usp14	Ubiquitin carboxyl-terminal hydrolase 14	1176.23	50.71	56002	20	0.00033238	2.14326826	0.011430127	0	0	0.0044593186
Q641Z6	Ehd1	EH domain-containing protein 1	685.35	33.52	60603	13	0.00033326	2.92385195	0.011430127	0	0	0.0044593186
Q8BMA6	Srp68	Signal recognition particle subunit SRP68	165.72	6.72	70574	3	0.00033855	1.88335488	0.011430127	0	0	0.0044593186
Q2PQA9	Kif5b	Kinesin-1 heavy chain	638.44	14.43	109531	10	0.00033976	2.60312509	0.011430127	0	0	0.0044593186
O89023	Tpp1	Tripeptidyl-peptidase 1	296.49	13.7	61342	5	0.0003403	2.38501797	0.011430127	0	0	0.0044593186
P63081	Atp6v0c	V-type proton ATPase 16 kDa proteolipid subunit	322.64	31.61	15808	5	0.00034887	2.20209311	0.011581788	0	0	0.0045184874

P62317	Snrpd2	Small nuclear ribonucleoprotein Sm D2	359.22	52.54	13527	7	0.00036893	0.43743745	0.012106783	0	0	0.0047233073
P62814	Atp6v1b2	V-type proton ATPase subunit B, brain isoform	1654.45	68.3	56551	27	0.00039077	1.99419573	0.012677728	0	0	0.0049460545
O88456	Capns1	Calpain small subunit 1	189.41	15.99	28463	3	0.00040932	1.41212425	0.012975039	0	0	0.0050620464
Q920A5	Scpep1	Retinoid-inducible serine carboxypeptidase	331.76	19.03	50965	7	0.0004099	2.8752249	0.012975039	0	0	0.0050620464
Q9CYR6	Pgm3	Phosphoacetylglucosamine mutase	43.72	1.48	59453	1	0.00041357	6.80032891	0.012975039	0	0	0.0050620464
P0C0A1	Vps25	Vacuolar protein-sorting-associated protein 25	121.19	21.02	20762	3	0.00042836	1.93622525	0.013250681	0	0	0.0051695845
Q5U2Z5	Cmtr1	Cap-specific mRNA (nucleoside-2'-O)-methyltransferase 1	66.09	1.79	95619	2	0.00043544	5.22590944	0.013250681	0	0	0.0051695845
Q91YL3	Uck1l	Uridine-cytidine kinase-like 1	82.25	3.28	60842	2	0.00043627	4.9255624	0.013250681	0	0	0.0051695845
P28658	Atxn10	Ataxin-10	477.58	22.11	53707	8	0.00044372	3.58671612	0.013334834	0	0	0.0052024158
Q60854	Serpinb6	Serpin B6	986.41	53.17	42599	15	0.00046006	2.60329287	0.013578514	0	0	0.0052974846
Q9WTP7	Ak3	GTP:AMP phosphotransferase AK3, mitochondrial	259.55	31.72	25426	4	0.00046134	3.13276516	0.013578514	0	0	0.0052974846
Q99JF8	Psip1	PC4 and SFRS1-interacting protein	373.52	17.23	59697	7	0.00047579	0.72216714	0.013861143	0	0	0.0054077485
P70248	Myo1f	Unconventional myosin-I f	294.48	6.01	125947	7	0.00048511	2.78274901	0.013864949	0	0	0.0054092335
Q91YR9	Ptgr1	Prostaglandin reductase 1	402.74	27.36	35560	8	0.00049085	2.60948212	0.013864949	0	0	0.0054092335
Q9WU78	Pcded6ip	Programmed cell death 6-interacting protein	1129.38	31.07	96024	17	0.00049183	1.77795819	0.013864949	0	0	0.0054092335
P50396	Gdi1	Rab GDP dissociation inhibitor alpha	467.39	18.79	50522	8	0.00049535	2.05097132	0.013864949	0	0	0.0054092335
Q9JH6	Akr1a1	Alcohol dehydrogenase [NADP(+)]	505.73	30.15	36587	10	0.00052825	2.8175904	0.014401276	0	0	0.0056184748
Q8BML9	Qars	Glutamine--tRNA ligase	806.47	29.68	87677	18	0.00053185	2.09690338	0.014401276	0	0	0.0056184748
P68181	Prkacb	cAMP-dependent protein kinase catalytic subunit beta	261.26	16.24	40708	5	0.00053281	3.1200536	0.014401276	0	0	0.0056184748
P05201	Got1	Aspartate aminotransferase, cytoplasmic	924.57	44.79	46248	16	0.00053469	2.13319128	0.014401276	0	0	0.0056184748
Q03963	Eif2ak2	Interferon-induced, double-stranded RNA-activated protein kinase	382.11	19.81	58280	6	0.00054222	1.97793363	0.014436778	0	0	0.0056323253
Q9Z0H1	Wdr46	WD repeat-containing protein 46	425.78	22.19	69048	9	0.00054612	0.54431664	0.014436778	0	0	0.0056323253
Q9JMH6	Txnrd1	Thioredoxin reductase 1, cytoplasmic	1055.88	42.09	67084	15	0.00057595	2.31336997	0.015085733	0	0	0.0058855068
Q8BPX9	Slc15a3	Solute carrier family 15 member 3	360.59	14.36	64051	7	0.00059055	1.8663886	0.015095976	0	0	0.0058895031
Q9ES97	Rtn3	Reticulon-3	122.99	4.98	103879	2	0.00059138	1.96933003	0.015095976	0	0	0.0058895031
Q68FD5	Cltc	Clathrin heavy chain 1	4125.47	48.42	191557	66	0.00059639	1.74239566	0.015095976	0	0	0.0058895031
O08539	Bin1	Myc box-dependent-interacting protein 1	257.22	14.12	64470	5	0.00059749	1.70426064	0.015095976	0	0	0.0058895031
A2ADY9	Ddi2	Protein DDI1 homolog 2	353.19	24.56	44591	6	0.00064378	2.90977371	0.01582029	0	0	0.0061720849
Q62261	Sptbn1	Spectrin beta chain, non-erythrocytic 1	49.45	0.38	274223	1	0.00064678	6.6550757	0.01582029	0	0	0.0061720849
Q93092	Taldo1	Transaldolase	1283.64	52.82	37387	25	0.00064701	1.91553394	0.01582029	0	0	0.0061720849
Q9QXB9	Drp2	Developmentally-regulated GTP-binding protein 2	211.09	12.09	40718	4	0.00065295	2.28961486	0.01582029	0	0	0.0061720849
Q6P542	Abcf1	ATP-binding cassette sub-family F member 1	418.04	13.62	94945	8	0.00065387	1.71896806	0.01582029	0	0	0.0061720849
P45377	Akr1b8	Aldose reductase-related protein 2	863.46	55.7	36121	15	0.00067304	1.81505391	0.015872283	0	0	0.0061923693
P53534	Pygb	Glycogen phosphorylase, brain form	585.22	16.71	96174	10	0.00067332	2.75619703	0.015872283	0	0	0.0061923693
Q99LC8	Eif2b1	Translation initiation factor eIF-2B subunit alpha	98.49	5.57	33816	1	0.00067676	4.59845736	0.015872283	0	0	0.0061923693
Q8BGQ7	Aars	Alanine--tRNA ligase, cytoplasmic	1526.94	40.19	106909	26	0.00068751	1.99182707	0.015872283	0	0	0.0061923693
O35604	Npc1	NPC intracellular cholesterol transporter 1	57.72	0.94	142885	1	0.00068937	2.86849964	0.015872283	0	0	0.0061923693
Q8CG72	Adprhl2	Poly(ADP-ribose) glycohydrolase ARH3	121.31	10.54	39414	3	0.00068937	5.5573858	0.015872283	0	0	0.0061923693
Q62192	Cd180	CD180 antigen	200.21	6.96	74302	3	0.00070231	3.62070511	0.016040813	0	0	0.0062581192
Q99MZ7	Pecr	Peroxisomal trans-2-enoyl-CoA reductase	118.11	7.92	32410	2	0.00071807	1.87314676	0.016270655	0	0	0.0063477892
Q9EQH3	Vps35	Vacuolar protein sorting-associated protein 35	641.53	19.35	91713	10	0.00073203	2.7409542	0.016456168	0	0	0.0064201647
Q9Z1T1	Ap3b1	AP-3 complex subunit beta-1	60.43	1.72	122740	2	0.00074245	3.663269	0.016461606	0	0	0.0064222863
Q4V8K5	Brox	BRO1 domain-containing protein BROX	163.76	9.25	46192	3	0.00075232	4.95902496	0.016461606	0	0	0.0064222863
P86182	Ccdc22	Coiled-coil domain-containing protein 22	83.65	4.31	70855	2	0.00075468	3.89656577	0.016461606	0	0	0.0064222863
Q61686	Cbx5	Chromobox protein homolog 5	248.3	26.18	22186	5	0.00075623	0.57360415	0.016461606	0	0	0.0064222863

P11352	Gpx1	Glutathione peroxidase 1	119.38	15.92	22329	3	0.00076475	4.23718494	0.016461606	0	0	0.0064222863
Q9D1A2	Cndp2	Cytosolic non-specific dipeptidase	693.95	35.37	52767	13	0.00076686	2.58556017	0.016461606	0	0	0.0064222863
Q9DC61	Pmpca	Mitochondrial-processing peptidase subunit alpha	190.19	12.79	58279	4	0.0007781	1.88690031	0.01657819	0	0	0.0064677699
P62329	Tmsb4x	Thymosin beta-4	241.93	68.18	5053	4	0.00079647	2.2575374	0.016763531	0	0	0.0065400784
A2AAY5	Sh3pxd2b	SH3 and PX domain-containing protein 2B	186.02	4.74	101517	5	0.00079854	2.213445	0.016763531	0	0	0.0065400784
P31750	Akt1	RAC-alpha serine/threonine-protein kinase	48.16	1.67	55707	1	0.00081614	3.25913108	0.016772827	0	0	0.0065437051
Q99JI4	Psmc6	26S proteasome non-ATPase regulatory subunit 6	490.5	28.79	45536	10	0.00081689	2.05218475	0.016772827	0	0	0.0065437051
P54822	Adsl	Adenylosuccinate lyase	755.65	37.4	54866	12	0.00081981	1.95364977	0.016772827	0	0	0.0065437051
Q62407	Speg	Striated muscle-specific serine/threonine-protein kinase	37.63	0.43	354343	1	0.00082564	128888.64	0.016772827	0	0	0.0065437051
P42208	Sept2	Septin-2	584.36	35.73	41526	9	0.00083271	1.52465065	0.016772827	0	0	0.0065437051
P48036	Anxa5	Annexin A5	1600.34	69.91	35752	25	0.00085079	1.85406963	0.016772827	0	0	0.0065437051
Q04899	Cdk18	Cyclin-dependent kinase 18	160.51	8.87	51848	3	0.00085551	3.45216177	0.016772827	0	0	0.0065437051
Q80UM3	Naa15	N-alpha-acetyltransferase 15, NatA auxiliary subunit	438.56	14.1	100961	9	0.00085638	2.83885822	0.016772827	0	0	0.0065437051
P17427	Ap2a2	AP-2 complex subunit alpha-2	568.12	15.46	104017	11	0.0008633	2.23079091	0.016772827	0	0	0.0065437051
Q91V17	Rnh1	Ribonuclease inhibitor	2016.51	74.78	49816	24	0.00086427	2.99091945	0.016772827	0	0	0.0065437051
Q8K2Z4	Ncapd2	Condensin complex subunit 1	266.42	6.03	155665	6	0.00086854	2.5805551	0.016772827	0	0	0.0065437051
Q9R0N0	Galk1	Galactokinase	443.6	24.49	42295	9	0.00086948	2.79198867	0.016772827	0	0	0.0065437051
Q8BMD8	Slc25a24	Calcium-binding mitochondrial carrier protein SCaMC-1	381.77	27.37	52902	8	0.00088194	1.50571302	0.016898858	0	0	0.0065928744
O08739	Ampd3	AMP deaminase 3	42.12	0.91	88652	1	0.00089072	5.03781335	0.016953286	0	0	0.0066141091
Q9Z1Q9	Vars	Valine--tRNA ligase	2117.74	37.53	140215	37	0.00090304	1.76970927	0.016990111	0	0	0.0066284759
Q68FH4	Galk2	N-acetylgalactosamine kinase	108.72	5.02	50503	2	0.00091134	2.83970106	0.016990111	0	0	0.0066284759
Q8JZK9	Hmgcs1	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	388.81	21.54	57569	7	0.00091295	2.9756654	0.016990111	0	0	0.0066284759
Q8K1B8	Fermt3	Fermitin family homolog 3	1259.78	48.27	75635	23	0.00092504	1.58681723	0.016990111	0	0	0.0066284759
Q8BU30	Iars	Isoleucine--tRNA ligase, cytoplasmic	391.51	7.21	144271	8	0.00092738	2.9502803	0.016990111	0	0	0.0066284759
Q920Q4	Vps16	Vacuolar protein sorting-associated protein 16 homolog	165.2	6.2	94928	3	0.00092836	3.20800462	0.016990111	0	0	0.0066284759
P49962	Srp9	Signal recognition particle 9 kDa protein	44.99	12.79	10194	1	0.00094136	5.60311029	0.017011312	0	0	0.0066367469
Q6ZQ08	Cnot1	CCR4-NOT transcription complex subunit 1	124.51	1.22	266808	3	0.00094143	3.14599573	0.017011312	0	0	0.0066367469
Q6P5H2	Nes	Nestin	2852.46	35.3	207124	39	0.00096645	1.78401186	0.017103602	0	0	0.0066727528
P83953	Kpna1	Importin subunit alpha-5	184.16	7.99	60137	3	0.0009681	2.76113935	0.017103602	0	0	0.0066727528
Q9WUA3	Pfkp	ATP-dependent 6-phosphofructokinase, platelet type	1615	44.9	85455	23	0.00097149	2.02539639	0.017103602	0	0	0.0066727528
P46664	Adss	Adenylosuccinate synthetase isozyme 2	769.26	35.31	50021	13	0.00097788	2.10418493	0.017103602	0	0	0.0066727528
P17136	Snrpb	Small nuclear ribonucleoprotein-associated protein B	304.71	19.48	23656	6	0.00098075	0.5813711	0.017103602	0	0	0.0066727528
Q8BP47	Nars	Asparagine--tRNA ligase, cytoplasmic	784.23	27.55	64279	15	0.00099317	1.84823643	0.017103602	0	0	0.0066727528
O54783	Chkb	Choline/ethanolamine kinase	56.35	5.33	45100	1	0.00099418	5.16189275	0.017103602	0	0	0.0066727528
P10107	Anxa1	Annexin A1	1643.03	68.21	38734	26	0.00100283	1.52869975	0.017103602	0	0	0.0066727528
Q9Z1G3	Atp6v1c1	V-type proton ATPase subunit C 1	516.22	26.18	43888	9	0.00100687	3.77436925	0.017103602	0	0	0.0066727528
Q5PPK9	Eipr1	EARP and GARP complex-interacting protein 1	38.64	3.37	43157	1	0.00101954	21.816255	0.017103602	0	0	0.0066727528
Q8BKC5	Ipo5	Importin-5	778.2	19.05	123591	14	0.00103119	2.29716036	0.017103602	0	0	0.0066727528
Q8CHM7	Hac1	2-hydroxyacyl-CoA lyase 1	35.49	1.38	63616	1	0.00103131	114423.065	0.017103602	0	0	0.0066727528
Q8C2E7	Washc5	WASH complex subunit 5	55.02	0.95	134110	1	0.0010324	3.23950227	0.017103602	0	0	0.0066727528
P51146	Rab4b	Ras-related protein Rab-4B	197.1	18.78	23629	3	0.00103523	2.37296763	0.017103602	0	0	0.0066727528

Q80WS3	Fbll1	rRNA/tRNA 2'-O-methyltransferase fibrillar-like protein 1	157.08	11.46	33339	3	0.0010364	0.41582344	0.017103602	0	0	0.0066727528
P47856	Gfpt1	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1	162.85	5.02	78539	3	0.00106375	4.29294658	0.017454025	0	0	0.0068094659
Q9JLT4	Txnrd2	Thioredoxin reductase 2, mitochondrial	176.76	5.15	56603	2	0.00107655	2.67792653	0.017496641	0	0	0.0068260918
Q60866	Pter	Phosphotriesterase-related protein	149.41	11.75	39218	3	0.00107942	2.46095071	0.017496641	0	0	0.0068260918
P62278	Rps13	40S ribosomal protein S13	404.73	43.71	17222	8	0.00108896	2.49418337	0.017496641	0	0	0.0068260918
Q9JKB3	Ybx3	Y-box-binding protein 3	525.42	26.87	38814	7	0.00109086	1.9018808	0.017496641	0	0	0.0068260918
O88342	Wdr1	WD repeat-containing protein 1	1345.48	49.83	66407	20	0.00109779	2.06149052	0.017509365	0	0	0.0068310559
Q91V92	Acly	ATP-citrate synthase	1852.34	31.35	119728	28	0.00111092	1.94343303	0.017588866	0	0	0.0068620725
P51855	Gss	Glutathione synthetase	236.54	14.14	52247	4	0.00111509	2.0950239	0.017588866	0	0	0.0068620725
Q62446	Fkbp3	Peptidyl-prolyl cis-trans isomerase FKBP3	120.44	15.62	25148	3	0.00114635	2.005475	0.017734305	0	0	0.0069188136
Q9CX86	Hnrnpa0	Heterogeneous nuclear ribonucleoprotein A0	587.52	34.1	30530	10	0.00114948	0.53853952	0.017734305	0	0	0.0069188136
P55302	Lrpap1	Alpha-2-macroglobulin receptor-associated protein	260.71	15.28	42215	6	0.00115831	1.8812901	0.017734305	0	0	0.0069188136
P62075	Timm13	Mitochondrial import inner membrane translocase subunit Tim13	105.98	14.74	10458	1	0.00116629	6.77543311	0.017734305	0	0	0.0069188136
P47860	Pfkfb	ATP-dependent 6-phosphofructokinase, platelet type	723.76	13.58	85720	9	0.00116711	1.96167276	0.017734305	0	0	0.0069188136
Q9WVQ5	Apip	Methylthioribulose-1-phosphate dehydratase	149.19	15.35	26949	3	0.0011709	3.80861917	0.017734305	0	0	0.0069188136
Q8BGB7	Enoph1	Enolase-phosphatase E1	71.49	5.45	28600	2	0.00117496	2.32645953	0.017734305	0	0	0.0069188136
Q8CIE6	Copa	Coatomer subunit alpha	1255.51	23.2	138432	23	0.00117866	1.80398437	0.017734305	0	0	0.0069188136
Q8CGC7	Eprs	Bifunctional glutamate/proline--tRNA ligase	2295.82	34.06	170079	37	0.00118517	1.52717134	0.017734305	0	0	0.0069188136
Q7TPR4	Actn1	Alpha-actinin-1	1152.69	26.46	103068	20	0.00118987	2.20513805	0.017734305	0	0	0.0069188136
P31230	Aimp1	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1	401.65	45.16	33997	8	0.00119817	1.75613977	0.017734305	0	0	0.0069188136
P62994	Grb2	Growth factor receptor-bound protein 2	92.77	11.06	25206	2	0.0012012	3.58477589	0.017734305	0	0	0.0069188136
P83870	Phf5a	PHD finger-like domain-containing protein 5A	325.33	47.27	12405	5	0.00120506	0.37018503	0.017734305	0	0	0.0069188136
P68101	Eif2s1	Eukaryotic translation initiation factor 2 subunit 1	875.77	56.19	36108	15	0.00122016	1.77990786	0.017864403	0	0	0.0069695698
P21300	Akr1b7	Aldose reductase-related protein 1	337.12	13.92	35988	7	0.00124418	1.67543821	0.018123133	0	0	0.00707051
P62334	Psmc6	26S proteasome regulatory subunit 10B	593.05	30.85	44173	10	0.00125483	1.93117247	0.018185476	0	0	0.0070948323
Q9WUU7	Ctsz	Cathepsin Z	758.66	53.92	33996	13	0.00128586	1.46018619	0.018541011	0	0	0.0072335397
P29452	Casp1	Caspase-1	368.14	20.4	45640	7	0.00129632	2.20153931	0.018598009	0	0	0.0072557768
Q9CWQ0	Dph5	Diphthine methyl ester synthase	74.21	8.19	31218	1	0.00132034	2.80664959	0.018847895	0	0	0.0073532667
Q8BFR5	Tufm	Elongation factor Tu, mitochondrial	851.21	41.81	49508	15	0.00132962	1.33030249	0.01888594	0	0	0.0073681092
O08553	Dpysl2	Dihydropyrimidinase-related protein 2	1562.05	53.5	62278	23	0.00135738	1.43842065	0.019149989	0	0	0.0074711248
Q99KB8	Hagh	Hydroxyacylglutathione hydrolase, mitochondrial	132.61	21.36	34084	4	0.00136163	2.70111852	0.019149989	0	0	0.0074711248
Q91XU1	Qki	Protein quaking	278.1	23.17	37643	5	0.00137872	1.50317479	0.019181444	0	0	0.0074833964
A2AIV8	Card9	Caspase recruitment domain-containing protein 9	50.62	1.87	62462	1	0.00137941	6.82213758	0.019181444	0	0	0.0074833964
A1L314	Mpeg1	Macrophage-expressed gene 1 protein	498.09	19.21	78390	11	0.00138402	1.96827372	0.019181444	0	0	0.0074833964
P63312	Tmsb10	Thymosin beta-10	107.43	47.73	5026	2	0.00140171	1.6700749	0.019199495	0	0	0.0074904386
Q9D0I9	Rars	Arginine--tRNA ligase, cytoplasmic	1329.99	40	75674	23	0.0014037	2.28704016	0.019199495	0	0	0.0074904386
Q9D2V7	Coro7	Coronin-7	438.61	16.49	100812	9	0.0014055	1.8068298	0.019199495	0	0	0.0074904386
P26638	Sars	Serine--tRNA ligase, cytoplasmic	726.71	29.69	58389	14	0.00143947	2.23433598	0.019548196	0	0	0.0076264799
O88746	Tom1	Target of Myb protein 1	302.76	17.68	54325	6	0.00144472	2.34616447	0.019548196	0	0	0.0076264799
A2AGT5	Ckap5	Cytoskeleton-associated protein 5	457.24	5.81	225635	8	0.00148374	2.32080989	0.019981523	0	0	0.0077955371
P21708	Mapk3	Mitogen-activated protein kinase 3	385.13	23.16	43081	9	0.00149636	2.24713392	0.020056863	0	0	0.0078249299
Q91YR5	Metll3	Methyltransferase-like protein 13	87.05	3.01	78757	2	0.00152169	3.33328474	0.020301102	0	0	0.0079202169
Q11011	Npepps	Puromycin-sensitive aminopeptidase	553.2	11.3	103325	10	0.00153296	2.23537255	0.020356264	0	0	0.0079417377
P61314	Rpl15	60S ribosomal protein L15	571.13	48.04	24146	10	0.00154871	0.69380028	0.020470226	0	0	0.0079861984

Q9D906	Atg7	Ubiquitin-like modifier-activating enzyme ATG7	277.77	13.47	77520	7	0.00155614	2.74976396	0.020473622	0	0	0.0079875232
P26645	Marcks	Myristoylated alanine-rich C-kinase substrate	158.86	18.77	29661	4	0.00158242	2.1529555	0.020646357	0	0	0.0080549136
P61161	Actr2	Actin-related protein 2	1206.3	46.7	44761	18	0.00158373	2.06217535	0.020646357	0	0	0.0080549136
Q8K1X4	Nckap11	Nck-associated protein 1-like	521.71	11.11	128905	10	0.00161569	1.84236785	0.020967258	0	0	0.0081801089
P70168	Kpnb1	Importin subunit beta-1	895.81	21.92	97184	16	0.00163427	1.57888795	0.021112383	0	0	0.0082367278
Q62698	Dync1li2	Cytoplasmic dynein 1 light intermediate chain 2	284.19	13.08	54745	5	0.00165954	1.93592489	0.021303219	0	0	0.0083111798
O35639	Anxa3	Annexin A3	1492.23	53.25	36384	23	0.00166396	1.64168458	0.021303219	0	0	0.0083111798
Q8BK64	Ahsa1	Activator of 90 kDa heat shock protein ATPase homolog 1	230.53	21.6	38117	6	0.0016784	2.03269591	0.021392148	0	0	0.0083458744
O54747	Pold1	DNA polymerase delta catalytic subunit	298.75	6.26	123601	7	0.00171009	2.23122762	0.0216992	0	0	0.0084656671
P62843	Rps15	40S ribosomal protein S15	323.18	39.31	17040	5	0.00174931	2.65549357	0.022009319	0	0	0.0085866557
Q61510	Trim25	E3 ubiquitin/ISG15 ligase TRIM25	236.25	8.68	71726	4	0.00174995	3.05808393	0.022009319	0	0	0.0085866557
P23591	Tsta3	GDP-L-fucose synthase	206.47	14.02	35878	4	0.00176699	3.82543624	0.022126168	0	0	0.0086322431
Q8BJY1	Psmc5	26S proteasome non-ATPase regulatory subunit 5	296.7	19.64	55972	7	0.0018005	3.19524591	0.022384943	0	0	0.0087332008
P01897	H2-L	H-2 class I histocompatibility antigen, L-D alpha chain	177.68	13.81	40711	4	0.00180334	1.77200512	0.022384943	0	0	0.0087332008
Q61749	Eif2b4	Translation initiation factor eIF-2B subunit delta	211.27	9.92	57624	4	0.00183948	2.18878752	0.022734641	0	0	0.0088696309
Q80TM9	Nisch	Nischarin	244.24	3.45	175012	4	0.00185063	2.5337194	0.02277389	0	0	0.0088849435
Q99JX4	Eif3m	Eukaryotic translation initiation factor 3 subunit M	513.85	28.61	42517	7	0.00186623	2.05054997	0.022796848	0	0	0.0088939002
P35444	Comp	Cartilage oligomeric matrix protein	38.6	1.06	82664	1	0.00187529	4.27022256	0.022796848	0	0	0.0088939002
P17918	Pcna	Proliferating cell nuclear antigen	1734.93	66.67	28785	22	0.00187895	1.56623597	0.022796848	0	0	0.0088939002
Q58NB6	Dhrs9	Dehydrogenase/reductase SDR family member 9	52.71	3.76	35242	1	0.00188443	3.87583856	0.022796848	0	0	0.0088939002
Q8BSY0	Asph	Aspartyl/asparaginyl beta-hydroxylase	643.15	24.83	83042	14	0.00189478	1.39872833	0.022812956	0	0	0.0089001847
Q61879	Myh10	Myosin-10	1022.24	10.12	228996	19	0.00190762	1.97697627	0.022812956	0	0	0.0089001847
Q53UA7	Taok3	Serine/threonine-protein kinase TAO3	164.73	5.01	105474	4	0.00191131	1.61005469	0.022812956	0	0	0.0089001847
Q9D8W5	Psmc12	26S proteasome non-ATPase regulatory subunit 12	660.49	26.75	52895	12	0.00192831	2.01469473	0.022812956	0	0	0.0089001847
Q8JZY2	Comm10	COMM domain-containing protein 10	42.59	5.94	22812	1	0.00193122	7.19970388	0.022812956	0	0	0.0089001847
Q9Z0M5	Lipa	Lysosomal acid lipase/cholesteryl ester hydrolase	105.58	4.79	45325	2	0.00193371	3.26295786	0.022812956	0	0	0.0089001847
Q9Z0N1	Eif2s3x	Eukaryotic translation initiation factor 2 subunit 3, X-linked	1076	43.64	51065	18	0.00194641	1.55654939	0.022868273	0	0	0.0089217658
Q62433	Ndrp1	Protein NDRG1	343.89	26.14	43009	5	0.0019547	1.99323643	0.02287165	0	0	0.0089230834
Q9Z0J0	Npc2	NPC intracellular cholesterol transporter 2	125.05	24.83	16442	3	0.0019881	3.1105686	0.023167188	0	0	0.0090383839
P09811	Pygl	Glycogen phosphorylase, liver form	145.66	3.76	97483	3	0.00199619	2.36232798	0.023167188	0	0	0.0090383839
Q8CI51	Pdlim5	PDZ and LIM domain protein 5	341.34	16.24	63299	7	0.00201011	2.44149867	0.023234316	0	0	0.0090645729
Q8VIJ5	Oga	Protein O-GlcNAcase	77.43	2.18	102918	2	0.00204886	3.22469373	0.023586706	0	0	0.0092020535
Q9D0R2	Tars	Threonine--tRNA ligase, cytoplasmic	1509.11	42.52	83356	27	0.00208139	2.39805316	0.023732213	0	0	0.009258821
P51908	Apobec1	C->U-editing enzyme APOBEC-1	98.89	11.35	27522	2	0.00208591	2.64360409	0.023732213	0	0	0.009258821
Q02053	Uba1	Ubiquitin-like modifier-activating enzyme 1	1796.89	34.5	117809	27	0.00209868	2.06682097	0.023732213	0	0	0.009258821
O54984	Asna1	ATPase Asna1	230.76	14.08	38823	5	0.00211037	2.02492233	0.023732213	0	0	0.009258821
P20152	Vim	Vimentin	3985.31	85.19	53688	65	0.00211251	2.03010812	0.023732213	0	0	0.009258821
P63328	Ppp3ca	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform	374.49	16.51	58644	7	0.00211905	2.04558791	0.023732213	0	0	0.009258821
G3X982	Aox3	Aldehyde oxidase 3	63.4	1.27	146902	2	0.00211969	1.96049804	0.023732213	0	0	0.009258821
Q9CVB6	Arpc2	Actin-related protein 2/3 complex subunit 2	913.72	46.33	34357	15	0.00216966	2.00882027	0.024196763	0	0	0.0094400594
Q9D338	Mrpl19	39S ribosomal protein L19, mitochondrial	249.54	15.07	33578	5	0.00219165	0.62928712	0.024346929	0	0	0.0094986448
Q76MZ3	Ppp2r1a	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	1267.77	41.77	65323	20	0.0022453	1.86307563	0.02459404	0	0	0.0095950518
P41216	Acs11	Long-chain-fatty-acid--CoA ligase 1	832.42	29.61	77951	16	0.00224645	1.65104798	0.02459404	0	0	0.0095950518

Q6PB66	Lrpprc	Leucine-rich PPR motif-containing protein, mitochondrial	1213.73	19.76	156615	20	0.00224733	1.96143756	0.02459404	0	0	0.0095950518
Q62393	Tpd52	Tumor protein D52	191.8	16.07	24313	3	0.00227854	2.79002527	0.02459404	0	0	0.0095950518
Q8BFT2	Haus4	HAUS augmin-like complex subunit 4	40.47	7.16	42197	1	0.00228087	9.77083389	0.02459404	0	0	0.0095950518
Q99KQ4	Nampt	Nicotinamide phosphoribosyltransferase	468.5	22.81	55447	9	0.00228495	3.02127711	0.02459404	0	0	0.0095950518
P42932	Cct8	T-complex protein 1 subunit theta	1788.49	55.11	59555	33	0.00229178	1.90998455	0.02459404	0	0	0.0095950518
P56477	Irf5	Interferon regulatory factor 5	205.02	14.08	56005	4	0.00229471	2.77927689	0.02459404	0	0	0.0095950518
Q61584	Fxr1	Fragile X mental retardation syndrome-related protein 1	818.29	27.33	76222	14	0.00230117	1.38568437	0.02459404	0	0	0.0095950518
Q9CPN8	Igf2bp3	Insulin-like growth factor 2 mRNA-binding protein 3	718.01	25.04	63575	12	0.00231054	1.78544989	0.02459404	0	0	0.0095950518
Q68FL6	Mars	Methionine--tRNA ligase, cytoplasmic	821.32	21.4	101431	14	0.00231857	2.28413376	0.02459404	0	0	0.0095950518
Q5FVC2	Arhgef2	Rho guanine nucleotide exchange factor 2	452.36	11.37	111909	8	0.00232244	1.28074535	0.02459404	0	0	0.0095950518
Q9JKF1	Iqgap1	Ras GTPase-activating-like protein IQGAP1	4641.94	51.84	188742	74	0.00232999	2.15837632	0.02459404	0	0	0.0095950518
Q921F4	Hnrnp1l	Heterogeneous nuclear ribonucleoprotein L-like	420.45	17.77	64125	7	0.0023345	1.93666313	0.02459404	0	0	0.0095950518
Q07076	Anxa7	Annexin A7	656	21.6	49925	10	0.00237087	1.19845911	0.024885445	0	0	0.0097087401
Q4G009	Mcts1	Malignant T-cell-amplified sequence 1	121.98	10.44	20550	1	0.0023828	13.9927819	0.024918991	0	0	0.0097218274
Q924T2	Mrps2	28S ribosomal protein S2, mitochondrial	262.11	27.49	32313	5	0.00242046	1.74772484	0.025123281	0	0	0.0098015287
P57780	Actn4	Alpha-actinin-4	1551.8	35.31	104977	25	0.00242179	2.09795296	0.025123281	0	0	0.0098015287
P47754	Capza2	F-actin-capping protein subunit alpha-2	401.02	24.83	32967	7	0.00242873	1.96239845	0.025123281	0	0	0.0098015287
P35738	Bckdhb	2-oxoisovalerate dehydrogenase subunit beta, mitochondrial	69.84	2.82	42823	1	0.00245432	5.19677231	0.025296372	0	0	0.0098690579
Q9R1C7	Prpf40a	Pre-mRNA-processing factor 40 homolog A	172.11	5.14	108481	3	0.00247031	1.74094741	0.025369511	0	0	0.0098975922
P70188	Kifap3	Kinesin-associated protein 3	42.04	2.52	91291	1	0.00248435	18.0613651	0.025422311	0	0	0.0099181913
P09405	Ncl	Nucleolin	2666.021	42.15	76723	40	0.00250299	0.44677949	0.02544066	0	0	0.0099253498
Q8K202	Polr1e	DNA-directed RNA polymerase I subunit RPA49	115.42	4.56	54034	2	0.00250397	0.19827625	0.02544066	0	0	0.0099253498
P23780	Glb1	Beta-galactosidase	629.76	20.25	73121	11	0.0025192	1.60490304	0.025504631	0	0	0.0099503075
O35593	Psm14	26S proteasome non-ATPase regulatory subunit 14	324.09	27.1	34577	6	0.00252834	2.67970453	0.025506792	0	0	0.0099511507
Q810B6	Ankfy1	Rabankyrin-5	143.67	4.7	128653	4	0.00254197	1.89030319	0.02555395	0	0	0.0099695485
B0BN93	Psm13	26S proteasome non-ATPase regulatory subunit 13	355.53	21.01	42817	8	0.00256655	3.15510916	0.025710542	0	0	0.010030641
Q9D0B6	Pbdc1	Protein PBDC1	153.66	19.19	22223	3	0.00259817	2.72681347	0.025886014	0	0	0.010099099
O89079	Cope	Coatomer subunit epsilon	321.85	21.75	34567	4	0.0026022	2.55870457	0.025886014	0	0	0.010099099
P62482	Kcnab2	Voltage-gated potassium channel subunit beta-2	227.05	22.62	41021	5	0.00263218	3.19421431	0.026093341	0	0	0.010179985
Q2TPA8	Hsd12	Hydroxysteroid dehydrogenase-like protein 2	36.84	2.86	54208	1	0.00265067	6.60848349	0.026185692	0	0	0.010216015
Q9ES52	Inpp5d	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1	1091.19	24.43	133542	23	0.00269122	1.68175723	0.026444631	0	0	0.010317691
P62259	Ywhae	14-3-3 protein epsilon	1078.54	63.92	29174	19	0.00269558	2.51365826	0.026444631	0	0	0.010317691
Q5U2Q3		Ester hydrolase C11orf54 homolog	54.76	8.89	34993	2	0.00270843	4.05774483	0.026481417	0	0	0.010331388
Q4QQT6	Brix1	Ribosome biogenesis protein BRX1 homolog	199.78	13.07	41115	5	0.00274098	0.48632593	0.026634013	0	0	0.010390921
Q8C147	Dock8	Dedicator of cytokinesis protein 8	98.39	1.19	238978	2	0.0027427	3.38834678	0.026634013	0	0	0.010390921
Q9DBL7	Coasy	Bifunctional coenzyme A synthase	248.51	14.03	62023	5	0.00276322	1.97941254	0.026742395	0	0	0.010433205
P83940	Eloc	Elongin-C	257.95	37.5	12473	3	0.00277421	2.49937825	0.026758037	0	0	0.010439308
Q571E4	Galns	N-acetylgalactosamine-6-sulfatase	304.38	18.85	57673	7	0.00278567	1.86000638	0.02677805	4.9406565e-324	0	0.010447115
Q3ZAV8	Edc4	Enhancer of mRNA-decapping protein 4	254.96	5.12	152596	4	0.00282114	2.73189985	0.027028014	1.4821969e-323	0	0.010544636
Q8BUBK6	Hook3	Protein Hook homolog 3	81.27	3.62	83218	2	0.00285301	7.4480332	0.027241959	6.4228534e-323	0	0.010628104
O88545	Cops6	COP9 signalosome complex subunit 6	168.65	8.33	35880	4	0.00289024	2.50720209	0.027450951	2.8655807e-322	0	0.010709639
Q9D5V5	Cul5	Cullin-5	113.82	3.33	90974	2	0.00289413	1.91161365	0.027450951	1.3142146e-321	0	0.010709639
Q99LE6	Abcf2	ATP-binding cassette sub-family F member 2	124.97	5.57	71782	3	0.00291517	3.11045077	0.027501336	6.0226602e-321	0	0.010729296
Q8R1Q8	Dync1li1	Cytoplasmic dynein 1 light intermediate chain 1	437.14	22.18	56614	7	0.00291871	2.08694765	0.027501336	2.7603448e-320	0	0.010729296

P60892	Prps1	Ribose-phosphate pyrophosphokinase 1	692	38.99	34834	14	0.00293677	1.77954687	0.02756377	1.2635729e-319	0	0.010753654
Q8CCH2	Nhlrc3	NHL repeat-containing protein 3	379.18	26.8	38195	6	0.00294464	2.40921728	0.02756377	5.7755286e-319	0	0.010753654
O88844	Idh1	Isocitrate dehydrogenase [NADP] cytoplasmic	804.68	35.27	46674	14	0.00297626	2.12810284	0.027768696	2.6361663e-318	0	0.010833603
Q8K124	Plekho2	Pleckstrin homology domain-containing family O member 2	133.36	9.29	53872	3	0.00299181	1.93707901	0.027822904	1.2015588e-317	0	0.010854752
Q9JHW2	Nit2	Omega-amidase NIT2	523.68	35.87	30502	8	0.00300599	2.54664086	0.027863989	5.4689791e-317	0	0.010870781
O35344	Kpna3	Importin subunit alpha-4	219.47	9.21	57773	3	0.0030227	1.70229045	0.027889346	2.4857463e-316	0	0.010880674
Q7M0E3	Dstn	Destrin	579.56	56.36	18534	10	0.00302958	1.60938827	0.027889346	1.1282273e-315	0	0.010880674
Q99KK7	Dpp3	Dipeptidyl peptidase 3	655.5	29.67	82898	12	0.00303878	2.08946436	0.027889346	5.1135867e-315	0	0.010880674
Q4V7C7	Actr3	Actin-related protein 3	1214.16	60.05	47357	21	0.00305077	2.00344021	0.027889346	2.3144285e-314	0	0.010880674
P22682	Cbl	E3 ubiquitin-protein ligase CBL	75.93	1.64	100564	1	0.00305757	4.54954673	0.027889346	1.0460465e-313	0	0.010880674
Q8BLF1	Nceh1	Neutral cholesterol ester hydrolase 1	696.11	37.25	45740	11	0.00309767	2.21547622	0.028165084	4.7211436e-313	0	0.010988249
P35123	Usp4	Ubiquitin carboxyl-terminal hydrolase 4	210.45	7.9	108343	5	0.00312159	2.99738262	0.028260422	2.1278078e-312	0	0.011025444
P19096	Fasn	Fatty acid synthase	3753.07	37.9	272428	67	0.00312902	1.65457583	0.028260422	9.5764927e-312	0	0.011025444
Q8BFY9	Tnpo1	Transportin-1	422.59	8.91	102357	8	0.00314217	2.52869094	0.028260422	4.3039716e-311	0	0.011025444
Q9Z2A0	Pdpk1	3-phosphoinositide-dependent protein kinase 1	43.49	3.04	63759	1	0.00314775	7.78153661	0.028260422	1.9316172e-310	0	0.011025444
Q1AAU6	Asap1	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1	158.6	5.42	127088	3	0.00317527	2.35610375	0.028418161	8.6568813e-310	0	0.011086984
O55023	Impa1	Inositol monophosphatase 1	402.31	24.91	30436	8	0.00321843	1.77203565	0.028714418	3.8742754e-309	0	0.011202565
Q3UIA2	Arhgap17	Rho GTPase-activating protein 17	126.71	2.6	92202	2	0.00328174	1.67060298	0.029074815	1.7314426e-308	0	0.011343169
Q9CPU0	Glo1	Lactoylglutathione lyase	326.04	51.63	20810	7	0.00328572	3.023915	0.029074815	7.7270587e-308	0	0.011343169
Q61183	Papola	Poly(A) polymerase alpha	94.89	2.84	82309	2	0.00328937	3.38409254	0.029074815	3.4435689e-307	0	0.011343169
Q66H50	Far1	Fatty acyl-CoA reductase 1	278.78	15.53	59268	5	0.00330977	0.50237227	0.029164813	1.5324691e-306	0	0.011378281
Q62048	Pea15	Astrocytic phosphoprotein PEA-15	156.7	16.92	15054	3	0.00332339	4.70052465	0.029194687	6.8102487e-306	0	0.011389936
Q8CI71	Vps50	Syndetin	91.89	2.07	111174	2	0.00339968	2.39888879	0.029745019	3.0221949e-305	0	0.011604641
P97310	Mcm2	DNA replication licensing factor MCM2	1505.4	35.95	102078	25	0.00341655	1.26751669	0.029745019	1.3392762e-304	0	0.011604641
P46467	Vps4b	Vacuolar protein sorting-associated protein 4B	376.17	22.07	49419	7	0.00341729	1.86039094	0.029745019	5.9266043e-304	0	0.011604641
Q9CPP0	Npm3	Nucleoplasmin-3	196.37	21.14	19023	3	0.00345931	0.29316506	0.030019197	2.6189654e-303	0	0.011711608
O88531	Ppt1	Palmitoyl-protein thioesterase 1	424.97	23.86	34490	6	0.00348864	1.9568391	0.030136579	1.1556905e-302	0	0.011757403
Q9CPS7	Pno1	RNA-binding protein PNO1	292.98	38.31	27454	7	0.00349394	2.11890905	0.030136579	5.0926196e-302	0	0.011757403
E9PVX6	Mki67	Proliferation marker protein Ki-67	2692.99	22.88	350864	50	0.00353468	0.56124023	0.03037735	2.2409324e-301	0	0.011851337
Q9DCB8	Isca2	Iron-sulfur cluster assembly 2 homolog, mitochondrial	99.04	20.78	16718	2	0.00354314	4.25190854	0.03037735	9.847002e-301	0	0.011851337
Q921X6	Polr3f	DNA-directed RNA polymerase III subunit RPC6	38.8	3.48	35652	1	0.00363736	18.6971306	0.03105511	4.320828e-300	0	0.012115756
Q91YP3	Dera	Deoxyribose-phosphate aldolase	254.64	20.75	34975	5	0.00365743	2.0097772	0.03105511	1.8932917e-299	0	0.012115756
Q8R0H9	Gga1	ADP-ribosylation factor-binding protein GGA1	176.33	7.56	69972	4	0.00365921	2.41912544	0.03105511	8.2842966e-299	0	0.012115756
Q9JLQ0	Cd2ap	CD2-associated protein	193.96	7.22	70450	4	0.0036657	1.91550108	0.03105511	3.6197718e-298	0	0.012115756
P63085	Mapk1	Mitogen-activated protein kinase 1	413.33	29.89	41276	10	0.00371144	2.59690615	0.031374604	1.5794073e-297	0	0.012240403
O35263	Pafah1b3	Platelet-activating factor acetylhydrolase IB subunit gamma	65.54	3.88	25863	1	0.00373125	2.01723771	0.031423974	6.8816788e-297	0	0.012259664
D3ZBE5	Nek7	Serine/threonine-protein kinase Nek7	60.98	7.95	34529	2	0.00374869	2.59616697	0.03147801	2.9942074e-296	0	0.012280745
Q3TXS7	Psm1	26S proteasome non-ATPase regulatory subunit 1	1354.49	33.05	105730	23	0.00376801	1.73886725	0.031526503	1.3009378e-295	0	0.012299664
Q8K214	Manba	Beta-mannosidase	285.63	6.6	100831	6	0.00377655	3.89620192	0.031526503	5.6444061e-295	0	0.012299664
A2AN08	Ubr4	E3 ubiquitin-protein ligase UBR4	309.76	1.31	572290	5	0.00379788	2.69392161	0.03161206	2.4454961e-294	0	0.012333043
Q9JJU8	Sh3bgr1	SH3 domain-binding glutamic acid-rich-like protein	362.73	70.18	12811	6	0.00384538	1.7702329	0.031914389	1.0580413e-293	0	0.012450993
Q80X80	C2cd2l	Phospholipid transfer protein C2CD2L	53.79	1.42	76329	1	0.00386636	3.26660375	0.031936788	4.5711463e-293	0	0.012459732
P62627	Dynlrb1	Dynein light chain roadblock-type 1	100.5	26.04	10990	2	0.00387045	2.37773303	0.031936788	1.9721247e-292	0	0.012459732
Q80YW0	Cyth4	Cytohesin-4	46.49	2.54	45285	1	0.00389308	3.36576861	0.031976821	8.4963092e-292	0	0.01247535

Q9JHK5	Plek	Pleckstrin	545.19	45.14	39901	10	0.0038977	1.49055836	0.031976821	3.6552144e-291	0	0.01247535
Q7TMQ7	Wdr91	WD repeat-containing protein 91	206.18	7.22	83421	4	0.00393802	2.4190404	0.032215009	1.5702974e-290	0	0.012568276
Q14C51	Ptcd3	Pentatricopeptide repeat domain-containing protein 3, mitochondrial	76.14	3.5	77796	2	0.00395843	1.49459697	0.032289445	6.7365479e-290	0	0.012597316
Q8CGF7	Teerg1	Transcription elongation regulator 1	350.65	7.18	123788	7	0.00404304	1.61583704	0.032885698	2.8858865e-289	0	0.012829937
Q9CQI6	Cotl1	Coactosin-like protein	599.88	76.06	15944	12	0.00407215	1.79639873	0.032995274	1.2345463e-288	0	0.012872687
Q91V12	Acot7	Cytosolic acyl coenzyme A thioester hydrolase	406.28	29.66	42537	8	0.00408185	2.0363066	0.032995274	5.273776e-288	0	0.012872687
Q62639	Rheb	GTP-binding protein Rheb	119.81	23.37	20479	3	0.00409952	2.40209761	0.032995274	2.2496869e-287	0	0.012872687
P32921	Wars	Tryptophan--tRNA ligase, cytoplasmic	568.58	30.77	54358	10	0.00410563	2.16492565	0.032995274	9.5831548e-287	0	0.012872687
Q9WV85	Nme3	Nucleoside diphosphate kinase 3	75.17	10.06	19099	1	0.00412503	3.29895788	0.032995274	4.0764381e-286	0	0.012872687
P61750	Arf4	ADP-ribosylation factor 4	645.19	47.22	20397	9	0.00412807	1.76858598	0.032995274	1.731566e-285	0	0.012872687
P62944	Ap2b1	AP-2 complex subunit beta	723.3	20.28	104553	14	0.00413741	1.27693771	0.032995274	7.3448511e-285	0	0.012872687
P17047	Lamp2	Lysosome-associated membrane glycoprotein 2	373.35	14.46	45681	7	0.00415041	1.77640184	0.033006717	3.1110902e-284	0	0.012877151
P62192	Psmc1	26S proteasome regulatory subunit 4	390.91	17.05	49185	7	0.00417704	1.63303775	0.03312627	1.3159149e-283	0	0.012923793
Q8VI75	Ipo4	Importin-4	163.73	3.51	119275	4	0.00420794	2.59377613	0.033155764	5.5581271e-283	0	0.012935299
O55131	Sept7	Septin-7	558.53	28.67	50550	10	0.00421421	1.50803424	0.033155764	2.3443074e-282	0	0.012935299
P97360	Etv6	Transcription factor ETV6	50.2	1.44	56406	1	0.0042156	2.49828826	0.033155764	9.8738366e-282	0	0.012935299
Q8R317	Ubln1	Ubiquilin-1	106.21	5.5	61976	2	0.00425588	2.16641368	0.033234794	4.1528145e-281	0	0.012966132
Q9CQE8	RTRAF	RNA transcription, translation and transport factor protein	48.88	12.3	28152	1	0.00426771	5.14073433	0.033234794	1.7441517e-280	0	0.012966132
P10649	Gstm1	Glutathione S-transferase Mu 1	454.27	40.83	25970	8	0.00427884	1.93849821	0.033234794	7.3149441e-280	0	0.012966132
Q3UM18	Lsg1	Large subunit GTPase 1 homolog	43.9	2.17	73157	1	0.00428261	3.26366676	0.033234794	3.063534e-279	0	0.012966132
Q8BYA0	Tbcd	Tubulin-specific chaperone D	135.78	3.09	133321	3	0.00428385	2.88147278	0.033234794	1.2812068e-278	0	0.012966132
Q9Z2G9	Htatip2	Oxidoreductase HTATIP2	77.88	11.16	26870	2	0.00431992	2.11419566	0.03333467	5.350576e-278	0	0.013005098
Q5BJY6	Amdhd2	N-acetylglucosamine-6-phosphate deacetylase	148.98	8.31	43539	3	0.00432008	3.01615931	0.03333467	2.2313437e-277	0	0.013005098
D3ZYR1	Fcho2	F-BAR domain only protein 2	49.33	2.97	88712	1	0.00435618	4.28453116	0.033522597	9.2921665e-277	0	0.013078415
Q99LQ7	Tmem189	Transmembrane protein 189	37.2	3.69	31134	1	0.00438846	1.67376544	0.033610175	3.8641319e-276	0	0.013112582
A0MZ67	Shtn1	Shootin-1	202.58	8.06	71446	4	0.0043911	2.64304411	0.033610175	1.6046166e-275	0	0.013112582
P54823	Ddx6	Probable ATP-dependent RNA helicase DDX6	665.64	33.54	54192	11	0.0044389	1.58797437	0.033885223	6.6538786e-275	0	0.013219889
Q8QZY1	Eif3l	Eukaryotic translation initiation factor 3 subunit L	823.12	24.82	66613	12	0.00447965	2.3393491	0.034105053	2.7552604e-274	0	0.013305653
Q8R1F1	Fam129b	Niban-like protein 1	398.35	12.28	84819	8	0.00449751	2.43281201	0.034135514	1.1392905e-273	0	0.013317537
Q63486	Rraga	Ras-related GTP-binding protein A	115.7	6.71	36566	2	0.00450756	1.85855554	0.034135514	4.7042489e-273	0	0.013317537
P24270	Cat	Catalase	1157.96	48.39	59795	18	0.00453172	2.34327034	0.034227667	1.9396795e-272	0	0.013353489
Q3TIR1	Trappc13	Trafficking protein particle complex subunit 13	96.87	8.87	46477	2	0.00454496	2.36846054	0.034237114	7.9864436e-272	0	0.013357175
Q61462	Cyba	Cytochrome b-245 light chain	36.45	3.65	20748	1	0.00456931	0.56511364	0.034329948	3.2836779e-271	0	0.013393393
P62137	Ppp1ca	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	1025.09	49.09	37540	16	0.00459224	1.49100834	0.034342764	1.3481904e-270	0	0.013398393
O08788	Dctn1	Dynaactin subunit 1	295.4	7.57	141676	6	0.00459507	1.4949278	0.034342764	5.5274572e-270	0	0.013398393
Q9D8M4	Rpl7l1	60S ribosomal protein L7-like 1	216.52	19.92	28544	5	0.00466233	0.62974493	0.034754466	2.2629914e-269	0	0.013559013
P24547	Impdh2	Inosine-5'-monophosphate dehydrogenase 2	1327.83	39.49	55815	21	0.00467539	1.9612914	0.034761021	9.2517452e-269	0	0.01356157
P97369	Ncf4	Neutrophil cytosol factor 4	670.34	50.74	38707	12	0.00469536	1.29481554	0.034813501	3.7770052e-268	0	0.013582045
Q61792	Lasp1	LIM and SH3 domain protein 1	380.74	20.15	29994	6	0.00470683	1.87383639	0.034813501	1.5397654e-267	0	0.013582045
P26516	Psmc7	26S proteasome non-ATPase regulatory subunit 7	496.05	27.1	36540	8	0.00473427	1.78400374	0.034925912	6.2682232e-267	0	0.0136259
Q9JLJ2	Aldh9a1	4-trimethylaminobutylaldehyde dehydrogenase	1201.15	61.94	53515	21	0.00477154	1.83654448	0.035110151	2.5481042e-266	0	0.013697779
Q04207	Rela	Transcription factor p65	44.41	2.55	60212	1	0.00480968	1.58669207	0.035187874	1.0343622e-265	0	0.013728102
Q6WVG3	Kctd12	BTB/POZ domain-containing protein KCTD12	561.19	42.2	35892	9	0.00481228	1.70037067	0.035187874	4.1928636e-265	0	0.013728102
Q64324	Stxbp2	Syntaxin-binding protein 2	290.05	16.69	66357	6	0.00482805	2.03474253	0.035187874	1.6971934e-264	0	0.013728102
Q00PI9	Hnrmpu12	Heterogeneous nuclear ribonucleoprotein U-like protein 2	689.28	17.58	84940	12	0.00484287	0.60881606	0.035187874	6.8601611e-264	0	0.013728102

Q9CWP6	Mospd2	Motile sperm domain-containing protein 2	103.84	3.47	59855	2	0.00484372	2.42637039	0.035187874	2.7689786e-263	0	0.013728102
P97386	Lig3	DNA ligase 3	45.7	0.99	113072	1	0.00487882	3.57568585	0.035286615	1.1160587e-262	0	0.013766624
Q11136	Pepd	Xaa-Pro dipeptidase	613.22	24.75	55029	11	0.00490075	2.10540499	0.035286615	4.4919673e-262	0	0.013766624
Q4AEF8	Copg1	Coatomer subunit gamma-1	709.58	20.02	97614	12	0.00490394	2.22834477	0.035286615	1.8053777e-261	0	0.013766624
P07356	Anxa2	Annexin A2	1472.16	72.27	38676	26	0.00490676	1.408946	0.035286615	7.2457175e-261	0	0.013766624
P35980	Rpl18	60S ribosomal protein L18	472.26	30.85	21645	7	0.00494186	0.68155886	0.035449757	2.9038653e-260	0	0.013830272
Q9CQM9	Glxr3	Glutaredoxin-3	479.38	30.56	37778	8	0.00495524	1.7436533	0.035456645	1.1621258e-259	0	0.013832959
Q80UG5	Sept9	Septin-9	280.17	15.09	65575	6	0.00498564	1.90691751	0.035584997	4.6442043e-259	0	0.013883034
Q01405	Sec23a	Protein transport protein Sec23A	220.37	8.89	86162	4	0.00504031	2.80340493	0.035739534	1.853322e-258	0	0.013943325
Q8CFI2	Cdc34	Ubiquitin-conjugating enzyme E2 R1	34.63	2.98	26622	1	0.00504259	4.57327043	0.035739534	7.3853609e-258	0	0.013943325
P47738	Aldh2	Aldehyde dehydrogenase, mitochondrial	1529.5	57.23	56538	24	0.00504484	1.61126816	0.035739534	2.938825e-257	0	0.013943325
Q9QWR8	Naga	Alpha-N-acetylgalactosaminidase	395.16	23.61	47235	6	0.0050932	1.70618512	0.035807335	1.1677685e-256	0	0.013969776
Q8R1F5	Hyi	Putative hydroxypyruvate isomerase	192.08	17.69	30449	4	0.00514068	3.60380779	0.035807335	4.6336231e-256	0	0.013969776
Q64232	Tecr	Very-long-chain enoyl-CoA reductase	149.15	7.79	36123	3	0.00514171	0.33930562	0.035807335	1.8359695e-255	0	0.013969776
P11438	Lamp1	Lysosome-associated membrane glycoprotein 1	538.1	18.72	43865	8	0.00514333	1.40065624	0.035807335	7.2642519e-255	0	0.013969776
O70200	Aif1	Allograft inflammatory factor 1	147.18	11.56	16911	1	0.00514571	5.05678647	0.035807335	2.8700991e-254	0	0.013969776
B5DF89	Cul3	Cullin-3	174.39	9.51	88932	4	0.00514582	4.58092308	0.035807335	1.1323569e-253	0	0.013969776
Q8BKZ9	Pdhx	Pyruvate dehydrogenase protein X component, mitochondrial	104.79	3.39	53999	2	0.00514636	4.45909335	0.035807335	4.4611837e-253	0	0.013969776
Q91W86	Vps11	Vacuolar protein sorting-associated protein 11 homolog	73	3.51	107719	2	0.00515475	2.25663666	0.035807335	1.7550806e-252	0	0.013969776
Q91W50	Csde1	Cold shock domain-containing protein E1	1036.8	29.82	88791	18	0.00518433	1.39682819	0.035858038	6.8948387e-252	0	0.013989557
Q8K1J6	Trmt1	CCA tRNA nucleotidyltransferase 1, mitochondrial	112.86	6.45	49895	3	0.00518717	3.60233976	0.035858038	2.7047748e-251	0	0.013989557
Q9JM90	Stap1	Signal-transducing adaptor protein 1	307.24	36.03	34628	7	0.00524383	1.38644619	0.036162162	1.0595414e-250	0	0.014108208
Q8VE47	Uba5	Ubiquitin-like modifier-activating enzyme 5	172.25	12.16	44790	3	0.00536551	3.95120937	0.036912089	4.1446176e-250	0	0.014400782
Q8C0L0	Tmx4	Thioredoxin-related transmembrane protein 4	146.54	7.46	37131	2	0.00549224	1.32449091	0.037557005	1.6189394e-249	0	0.014652388
Q9DBG6	Rpn2	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	875.04	29.32	69063	13	0.00550502	0.64068671	0.037557005	6.3147499e-249	0	0.014652388
P61290	Psme3	Proteasome activator complex subunit 3	520.16	29.13	29506	9	0.00551922	2.2569562	0.037557005	2.4595806e-248	0	0.014652388
Q8R307	Vps18	Vacuolar protein sorting-associated protein 18 homolog	87.02	2.47	110219	2	0.00552191	2.32395024	0.037557005	9.5663254e-248	0	0.014652388
P04256	Hnrnpa1	Heterogeneous nuclear ribonucleoprotein A1	1476.03	55.31	34212	21	0.00553341	0.57075028	0.037557005	3.7154235e-247	0	0.014652388
P22509	Fbl	rRNA 2'-O-methyltransferase fibrillar	918.82	58.1	34222	16	0.00556789	0.51812812	0.037557005	1.4409551e-246	0	0.014652388
Q9JHJ0	Tmod3	Tropomodulin-3	319.1	29.26	39503	7	0.00557005	1.91867527	0.037557005	5.5804778e-246	0	0.014652388
P10711	Tcea1	Transcription elongation factor A protein 1	529.83	39.87	33880	9	0.00557099	2.10257811	0.037557005	2.1580972e-245	0	0.014652388
Q8BWU5	Osgep	Probable tRNA N6-adenosine threonylcarbamoyltransferase	75.9	8.66	36301	2	0.00557764	3.55636074	0.037557005	8.3339174e-245	0	0.014652388
Q8BH69	Sephs1	Selenide, water dikinase 1	178.57	14.03	42907	4	0.00559439	2.43586676	0.037581156	3.2137034e-244	0	0.01466181
Q9CQN1	Trap1	Heat shock protein 75 kDa, mitochondrial	897.78	30.17	80209	15	0.00562009	1.50827206	0.037665129	1.2374871e-243	0	0.014694571
P16110	Lgals3	Galectin-3	686.86	35.23	27515	12	0.00568	2.45041	0.03790348	4.7583212e-243	0	0.014787561
P04184	Tk1	Thymidine kinase, cytosolic	205.88	28.33	25776	5	0.00569512	1.81024888	0.03790348	1.8270265e-242	0	0.014787561
Q99J77	Nans	Sialic acid synthase	490.18	37.05	40024	9	0.00571753	2.30610314	0.03790348	7.0050918e-242	0	0.014787561
Q9D662	Sec23b	Protein transport protein Sec23B	697.68	21.51	86437	11	0.00573604	1.65128942	0.03790348	2.6820111e-241	0	0.014787561
P99029	Prdx5	Peroxiredoxin-5, mitochondrial	730.88	57.14	21897	12	0.00576186	1.77613827	0.03790348	1.0253802e-240	0	0.014787561
O35075	Dscr3	Down syndrome critical region protein 3 homolog	45.31	6.4	32970	1	0.00576954	3.95293499	0.03790348	3.9145947e-240	0	0.014787561
Q61207	Psap	Prosaposin	146.14	5.57	61422	3	0.00577969	2.00173867	0.03790348	1.4923339e-239	0	0.014787561
Q9D819	Ppa1	Inorganic pyrophosphatase	241.96	17.3	32667	5	0.00578835	2.46501332	0.03790348	5.6809693e-239	0	0.014787561
O35626	Rasd1	Dexamethasone-induced Ras-related protein 1	38.44	2.5	31684	1	0.0057892	3.20477177	0.03790348	2.1595136e-238	0	0.014787561

Q91ZJ5	Ugp2	UTP--glucose-1-phosphate uridylyltransferase	77.67	3.35	56979	2	0.00579896	1.80808068	0.03790348	8.1972161e-238	0	0.014787561
P05943	S100a10	Protein S100-A10	76.63	17.89	11075	1	0.00580994	2.48181249	0.03790348	3.1070885e-237	0	0.014787561
P51432	Plcb3	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3	298.04	7.46	139487	6	0.00581496	1.62950908	0.03790348	1.1760276e-236	0	0.014787561
Q9CS42	Prps2	Ribose-phosphate pyrophosphokinase 2	700.74	38.05	34786	13	0.00587493	1.71125473	0.038207118	4.4448586e-236	0	0.014906021
Q8K2H2	Otud6b	Deubiquitinase OTUD6B	56.43	4.42	33758	1	0.0058903	1.72767252	0.038220034	1.6775472e-235	0	0.01491106
D3ZZW6	Hils1	Spermatid-specific linker histone H1-like protein	37.27	4.14	18617	1	0.00591348	2.68232286	0.038283439	6.3221935e-235	0	0.014935797
Q9ESL4	Map3k20	Mitogen-activated protein kinase kinase kinase 20	49.37	1.37	91720	1	0.00596638	2.41320931	0.038370568	2.3792326e-234	0	0.014969789
O89017	Lgmn	Legumain	53.01	2.76	49373	1	0.00600115	3.92173995	0.038370568	8.9409154e-234	0	0.014969789
Q8BY71	Hat1	Histone acetyltransferase type B catalytic subunit	346.34	15.62	49278	5	0.00600157	2.87820968	0.038370568	3.3550799e-233	0	0.014969789
Q8C3J5	Dock2	Dedicator of cytokinesis protein 2	377.72	5.36	211704	8	0.00600651	2.06353638	0.038370568	1.2571856e-232	0	0.014969789
Q1HFZ0	Nsun2	tRNA (cytosine(34)-C(5))-methyltransferase	493	18.49	85452	10	0.00600721	1.95173314	0.038370568	4.7040451e-232	0	0.014969789
Q3THK7	Gmps	GMP synthase [glutamine-hydrolyzing]	1087.14	43.43	76723	20	0.00601656	1.79927283	0.038370568	1.7575954e-231	0	0.014969789
P80314	Cct2	T-complex protein 1 subunit beta	2029.75	64.3	57477	32	0.00602102	1.5886182	0.038370568	6.5575491e-231	0	0.014969789
Q8VCW8	Acsf2	Acyl-CoA synthetase family member 2, mitochondrial	249.2	13.33	67951	4	0.00604673	2.54824818	0.038448604	2.443089e-230	0	0.015000234
P35564	Canx	Calnexin	1249.29	39.09	67278	21	0.00607282	0.70920296	0.038528677	9.0889128e-230	0	0.015031473
O70145	Ncf2	Neutrophil cytosol factor 2	518.48	29.14	59485	11	0.00612114	1.82646108	0.038749146	3.3764426e-229	0	0.015117487
P80313	Cct7	T-complex protein 1 subunit eta	2365.11	69.49	59652	36	0.00613542	1.79371213	0.038753567	1.2525107e-228	0	0.015119211
B0BNG0	Emc2	ER membrane protein complex subunit 2	242.95	17.51	34870	5	0.00617306	1.69974962	0.038897505	4.6395725e-228	0	0.015175367
P14824	Anxa6	Annexin A6	682.14	21.25	75885	13	0.00618545	1.42647901	0.038897505	1.7161247e-227	0	0.015175367
Q4V886	Paf1	RNA polymerase II-associated factor 1 homolog	70.45	2.62	60546	1	0.00621353	7.51116E-06	0.038915271	6.3386077e-227	0	0.015182298
Q9D2R0	Aacs	Acetoacetyl-CoA synthetase	118.49	4.17	75200	3	0.00621554	2.28281804	0.038915271	2.3378301e-226	0	0.015182298
Q7TSV4	Pgm2	Phosphoglucomutase-2	95.08	3.23	68748	2	0.00628131	3.07168053	0.039241016	8.610054e-226	0	0.015309383
P53042	Ppp5c	Serine/threonine-protein phosphatase 5	219.69	9.02	56917	3	0.00629786	2.99414961	0.03925848	3.1664492e-225	4.9406565e-324	0.015316197
B0BNE2	Polr2e	DNA-directed RNA polymerases I, II, and III subunit RPABC1	117.41	11.43	24570	2	0.00634737	0.71244263	0.039480913	1.1628207e-224	3.4584595e-323	0.015402976
Q3UND0	Skap2	Src kinase-associated phosphoprotein 2	54.93	5.59	40712	2	0.00641339	1.56424109	0.039804865	4.26409e-224	2.1738888e-322	0.015529362
P39052	Dnm2	Dynamin-2	959.39	24.6	98230	19	0.00649374	1.48021129	0.040060754	1.5613966e-223	1.3685618e-321	0.015629194
O89112	Lanc11	LanC-like protein 1	112.57	6.02	45341	2	0.00649552	3.288913	0.040060754	5.7091729e-223	8.4831071e-321	0.015629194
Q9R0C8	Vav3	Guanine nucleotide exchange factor VAV3	65.16	3.54	97968	2	0.00650475	1.91878783	0.040060754	2.0845202e-222	5.2593288e-320	0.015629194
O35643	Ap1b1	AP-1 complex subunit beta-1	1039.42	27.47	103935	18	0.00651075	1.59468982	0.040060754	7.5999683e-222	3.2556456e-319	0.015629194
Q3UH60	Dip2b	Disco-interacting protein 2 homolog B	317.4	5.84	171126	6	0.00658312	1.95046962	0.040351382	2.7668784e-221	2.0124134e-318	0.015742579
P32233	Drg1	Developmentally-regulated GTP-binding protein 1	303.57	16.08	40512	5	0.00659155	1.86633573	0.040351382	1.0058677e-220	1.2358988e-317	0.015742579
Q09200	B4galnt1	Beta-1,4 N-acetylgalactosaminyltransferase 1	113.11	9.94	59212	3	0.00660038	0.57383532	0.040351382	3.6514378e-220	7.5779621e-317	0.015742579
P60229	Eif3e	Eukaryotic translation initiation factor 3 subunit E	372.73	20.9	52221	8	0.00664188	2.65007207	0.040518288	1.3236072e-219	4.6388753e-316	0.015807695
P42567	Eps15	Epidermal growth factor receptor substrate 15	51.17	1.23	98471	1	0.00672896	4.26915804	0.040962031	4.7910013e-219	2.8281219e-315	0.015980815
Q6NSR8	Npepl1	Probable aminopeptidase NPEPL1	286.72	11.83	55940	5	0.00674902	2.70859917	0.040996699	1.7316706e-218	1.7113945e-314	0.015994341
Q64261	Cdk6	Cyclin-dependent kinase 6	254.71	26.69	37028	6	0.00678524	2.52218393	0.041064236	6.2499412e-218	1.0331007e-313	0.01602069
Q9CQR4	Acot13	Acyl-coenzyme A thioesterase 13	263.81	37.86	15183	4	0.0067889	2.48767397	0.041064236	2.2524651e-217	6.2138844e-313	0.01602069
Q99K51	Pls3	Plastin-3	1330.34	41.43	70742	22	0.00688462	2.0927534	0.041523429	8.106092e-217	3.7329349e-312	0.016199838
Q8BTW3	Exosc6	Exosome complex component MTR3	56.69	5.86	28370	1	0.00691842	0.39687868	0.041523429	2.9129709e-216	2.2248534e-311	0.016199838
Q8VDM4	Psmc2	26S proteasome non-ATPase regulatory subunit 2	1200.03	30.95	100203	20	0.00692264	1.85454293	0.041523429	1.0452779e-215	1.3215541e-310	0.016199838
Q9D8Y7	Tnfaip8l2	Tumor necrosis factor alpha-induced protein 8-like protein 2	57.02	7.61	20615	1	0.006923	3.07061172	0.041523429	3.7454e-215	7.8401195e-310	0.016199838
O08700	Vps45	Vacuolar protein sorting-associated protein 45	226.2	8.95	64894	4	0.00696473	2.28487688	0.041686159	1.3400942e-214	4.6465849e-309	0.016263325
Q9ERK4	Cse11	Exportin-2	802.11	18.54	110455	15	0.00698213	2.79270048	0.041696537	4.7878761e-214	2.7430707e-308	0.016267374
P27612	Plaa	Phospholipase A-2-activating protein	554.38	17.76	87221	10	0.00699567	2.30887631	0.041696537	1.7081296e-213	1.6158023e-307	0.016267374
Q9JKX6	Nudt5	ADP-sugar pyrophosphatase	97.17	13.3	23984	2	0.00701588	1.68523625	0.041729884	6.0851164e-213	9.4996446e-307	0.016280383

Q07813	Bax	Apoptosis regulator BAX	354.61	40.62	21395	5	0.00703195	1.53482362	0.041738517	2.1646463e-212	5.571741e-306	0.016283752
Q9QVP9	Ptk2b	Protein-tyrosine kinase 2-beta	324.75	7.63	115794	6	0.00707352	2.14264294	0.041898113	7.6890877e-212	3.2611218e-305	0.016346016
Q9D0F9	Pgm1	Phosphoglucomutase-1	431.85	17.08	61418	7	0.00712609	1.80880529	0.042073413	2.7272963e-211	1.9013555e-304	0.016414407
A2A5R2	Arfgef2	Brefeldin A-inhibited guanine nucleotide-exchange protein 2	120.78	2.01	202240	3	0.00714558	2.0467609	0.042073413	9.6596034e-211	1.1034624e-303	0.016414407
Q498R3	Dnajc10	DnaJ homolog subfamily C member 10	74.22	2.14	90747	2	0.00714732	2.76740814	0.042073413	3.4162966e-210	6.3892786e-303	0.016414407
Q8BMP6	Acbd3	Golgi resident protein GCP60	395.69	20.76	60181	7	0.00724925	3.0110474	0.042585644	1.2064823e-209	3.6955387e-302	0.016614247
Q8VBT6	Apobr	Apolipoprotein B receptor	546.98	14.65	102705	12	0.00726428	1.75178986	0.042586272	4.2545663e-209	2.1206123e-301	0.016614492
P50518	Atp6v1e1	V-type proton ATPase subunit E 1	463.81	41.59	26157	8	0.00731144	1.31380036	0.042714487	1.4981607e-208	1.214475e-300	0.016664514
Q9QUJ7	Acsl4	Long-chain-fatty-acid--CoA ligase 4	825.24	29.68	79077	16	0.00733325	1.63895862	0.042714487	5.2678101e-208	6.9266083e-300	0.016664514
P24135	Plcg2	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2	218.19	4.43	147735	6	0.00734223	2.23279835	0.042714487	1.8495677e-207	3.9409737e-299	0.016664514
Q99P31	Hspbp1	Hsp70-binding protein 1	459.18	32.21	39167	9	0.0073778	2.44276334	0.042714487	6.4845314e-207	2.2387801e-298	0.016664514
Q61RU2	Tpm4	Tropomyosin alpha-4 chain	814.48	43.15	28468	12	0.00738493	1.88688154	0.042714487	2.2701525e-206	1.2675801e-297	0.016664514
Q61316	Hspa4	Heat shock 70 kDa protein 4	2312.93	56.84	94133	39	0.00742662	1.56171764	0.042714487	7.9359576e-206	7.1667003e-297	0.016664514
Q61699	Hsph1	Heat shock protein 105 kDa	570.99	15.27	96407	10	0.00742817	2.21300297	0.042714487	2.7702015e-205	4.0369265e-296	0.016664514
Q3THS6	Mat2a	S-adenosylmethionine synthase isoform type-2	561.82	31.9	43689	12	0.00743236	2.05894028	0.042714487	9.6558585e-205	2.2715548e-295	0.016664514
P27601	Gna13	Guanine nucleotide-binding protein subunit alpha-13	45.3	2.65	44055	1	0.00744753	3.99742208	0.042714487	3.3607621e-204	1.2766151e-294	0.016664514
Q4KLJ8	Pdcl3	Phosducin-like protein 3	126.27	9.17	27699	2	0.00744758	2.57463968	0.042714487	1.1680241e-203	7.1605649e-294	0.016664514
Q00612	G6pdx	Glucose-6-phosphate 1-dehydrogenase X	1594.54	58.83	59263	31	0.00745981	1.82258473	0.042714487	4.0535248e-203	4.0125087e-293	0.016664514
Q9CT10	Ranbp3	Ran-binding protein 3	374.52	16.9	52573	6	0.00748718	2.19859907	0.042714487	1.4046905e-202	2.2444952e-292	0.016664514
Q9QUR6	Prep	Prolyl endopeptidase	725.52	24.23	80752	13	0.00748951	1.96475625	0.042714487	4.8606581e-202	1.2520655e-291	0.016664514
Q9ET30	Tm9sf3	Transmembrane 9 superfamily member 3	116.02	8.18	67545	3	0.00749561	0.51363566	0.042714487	1.6794842e-201	6.9767065e-291	0.016664514
Q6P5D8	Smchd1	Structural maintenance of chromosomes flexible hinge domain-containing protein 1	692.49	7.32	225648	12	0.00755937	0.34586263	0.042992008	5.794594e-201	3.8822363e-290	0.016772785
Q6NVF4	Helb	DNA helicase B	41.27	0.74	121471	1	0.00759081	4.47623684	0.043085006	1.9963476e-200	2.1493267e-289	0.016809067
Q8BMF4	Dlat	Dihydropyridyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	479.33	18.85	67942	9	0.00762104	1.28251584	0.043170798	6.8677608e-200	1.186388e-288	0.016842538
P22892	Ap1g1	AP-1 complex subunit gamma-1	370.12	10.71	91350	7	0.00766437	1.73593007	0.043330274	2.3591733e-199	6.5296922e-288	0.016904755
P12368	Prkar2a	cAMP-dependent protein kinase type II-alpha regulatory subunit	251.98	12.97	45480	4	0.0076977	2.19849552	0.043361306	8.0922636e-199	3.5804989e-287	0.016916862
P61965	Wdr5	WD repeat-containing protein 5	83.17	4.19	36588	1	0.00770024	3.20484955	0.043361306	2.7716954e-198	1.9573168e-286	0.016916862
Q5DW34	Ehmt1	Histone-lysine N-methyltransferase EHMT1	52.54	1.16	141999	1	0.00772537	11.2651619	0.043417207	9.4795142e-198	1.0687862e-285	0.016938671
Q80VA0	Galnt7	N-acetylgalactosaminyltransferase 7	196.84	8.98	75419	4	0.00776906	1.87753973	0.04349956	3.2373644e-197	5.8212343e-285	0.0169708
P84083	Arf5	ADP-ribosylation factor 5	687.26	48.89	20530	9	0.00777684	1.68582208	0.04349956	1.1039815e-196	3.158882e-284	0.0169708
Q9CPV4	Glod4	Glyoxalase domain-containing protein 4	677.95	56.71	33317	16	0.00779255	2.2280222	0.04349956	3.7592099e-196	1.7116793e-283	0.0169708
P70698	Ctps1	CTP synthase 1	300.54	13.54	66682	6	0.00780097	1.9806349	0.04349956	1.2781908e-195	9.2569454e-283	0.0169708
P51859	Hdgf	Hepatoma-derived growth factor	430.74	49.37	26269	8	0.007835	1.62608083	0.043604121	4.3396923e-195	4.9988009e-282	0.017011593
P43274	Hist1h1e	Histone H1.4	777.19	34.25	21977	12	0.00789738	0.61398814	0.043694806	1.4712489e-194	2.6911003e-281	0.017046973
Q91X52	Dcxr	L-xylulose reductase	44.07	4.51	25746	1	0.00790074	2.48875894	0.043694806	4.9805476e-194	1.441818e-280	0.017046973
P62748	Hpcal1	Hippocalcin-like protein 1	58.64	16.58	22338	2	0.00790613	3.51028734	0.043694806	1.6835717e-193	7.7158209e-280	0.017046973
P63101	Ywhaz	14-3-3 protein zeta/delta	956.45	48.98	27771	14	0.00791251	2.90642923	0.043694806	5.6826316e-193	4.1237328e-279	0.017046973
Q92111	Tf	Serotransferrin	119.06	4.3	76724	3	0.00793863	1.65656428	0.043754438	1.9152724e-192	2.2009417e-278	0.017070237
Q5DU25	Iqsec2	IQ motif and SEC7 domain-containing protein 2	50.7	0.54	161787	1	0.00797284	2.84902321	0.043779416	6.4457666e-192	1.1716963e-277	0.017079982
D3ZLZ7	Impdh1	Inosine-5'-monophosphate dehydrogenase 1	229.12	6.61	55293	4	0.00797383	2.38931879	0.043779416	2.1661142e-191	6.2187164e-277	0.017079982
Q5M947	Rrp15	RRP15-like protein	54.1	3.93	30926	1	0.00809593	0.35165675	0.044266744	7.268599e-191	3.2971456e-276	0.017270107
Q91WQ3	Yars	Tyrosine--tRNA ligase, cytoplasmic	429.69	22.92	59105	10	0.00811271	1.82973205	0.044266744	2.435468e-190	1.7337307e-275	0.017270107

O70310	Nmt1	Glycylpeptide N-tetradecanoyltransferase 1	726.13	33.47	56888	12	0.0081221	1.4438214	0.044266744	8.1484746e-190	9.0985749e-275	0.017270107
Q5SUR0	Pfas	Phosphoribosylformylglycinamide synthase	1007.33	19.67	144629	19	0.00814288	1.60053424	0.044266744	2.722276e-189	4.7676419e-274	0.017270107
Q9CXY6	Ilf2	Interleukin enhancer-binding factor 2	529.81	37.18	43062	9	0.00815448	0.66749114	0.044266744	9.0813364e-189	2.4927617e-273	0.017270107
Q6GX84	Fignl1	Fidgetin-like protein 1	90.19	2.81	74197	2	0.00815562	1.74604472	0.044266744	3.0250247e-188	1.3011877e-272	0.017270107
Q8R4X3	Rbm12	RNA-binding protein 12	166.15	4.03	102796	4	0.00823532	2.65476049	0.044561968	1.0061655e-187	6.7849676e-272	0.017385285
P47197	Akt2	RAC-beta serine/threonine-protein kinase	47.76	1.66	55543	1	0.00824123	4.43865191	0.044561968	3.3417279e-187	3.5181306e-271	0.017385285
Q3UGP9	Lrrc58	Leucine-rich repeat-containing protein 58	61.05	6.01	40139	2	0.00829761	0.48185285	0.044721368	1.1082396e-186	1.8218202e-270	0.017447473
Q8C052	Map1s	Microtubule-associated protein 1S	144.55	3.8	102939	3	0.00831686	2.34691435	0.044721368	3.6699235e-186	9.3942528e-270	0.017447473
P68368	Tuba4a	Tubulin alpha-4A chain	2081.07	60.27	49924	30	0.0083177	1.74684098	0.044721368	1.213503e-185	4.8341145e-269	0.017447473
Q91VW3	Sh3bgrl3	SH3 domain-binding glutamic acid-rich-like protein 3	216.58	31.18	10477	4	0.0083763	1.75594361	0.04495176	4.0066833e-185	2.4850131e-268	0.017537358
Q9WV03	Fam50a	Protein FAM50A	137.26	12.68	40252	3	0.00841496	2.0112012	0.045074527	1.3209588e-184	1.2719326e-267	0.017585254
P62908	Rps3	40S ribosomal protein S3	1407.47	75.72	26674	25	0.00847714	1.6575241	0.045322562	4.3486399e-184	6.4897016e-267	0.017682021
P35700	Prdx1	Peroxiredoxin-1	1457.55	86.43	22176	26	0.00851502	1.7836262	0.045358962	1.4294774e-183	3.2964129e-266	0.017696222
Q9CX56	Psm8	26S proteasome non-ATPase regulatory subunit 8	187.68	7.08	39930	3	0.00851573	1.45787063	0.045358962	4.6920281e-183	1.6692328e-265	0.017696222
Q64701	Rbl1	Retinoblastoma-like protein 1	57.19	0.85	119456	1	0.00853333	3.37485456	0.045368082	1.5378118e-182	8.4441221e-265	0.01769978
Q2NL51	Gsk3a	Glycogen synthase kinase-3 alpha	158.97	8.16	51661	3	0.00860333	5.96627909	0.045655236	5.0327435e-182	4.263287e-264	0.01781181
Q8VEE4	Rpa1	Replication protein A 70 kDa DNA-binding subunit	669.48	23.76	69037	13	0.00864025	1.28815915	0.045766094	1.6446188e-181	2.1420442e-263	0.01785506
P50247	Ahcy	Adenosylhomocysteinase	1277.03	48.15	47688	19	0.00865937	1.81062348	0.045782389	5.3664158e-181	1.0730241e-262	0.017861417
Q9R1T2	Sae1	SUMO-activating enzyme subunit 1	772	46.57	38620	14	0.00873978	2.02017821	0.046057779	1.7484845e-180	5.3643262e-262	0.017968857
Q6ZQM8	Ugt1a7c	UDP-glucuronosyltransferase 1-7C	575.4	31.83	59758	14	0.00874372	1.75032137	0.046057779	5.6884957e-180	2.6674631e-261	0.017968857
Q922L6	Nelfcd	Negative elongation factor D	77.28	3.05	66276	2	0.00876471	3.16344213	0.046079438	1.8479536e-179	1.3248596e-260	0.017977307
O70593	Sgta	Small glutamine-rich tetratricopeptide repeat-containing protein alpha	316.14	23.89	34157	6	0.00879279	1.81703353	0.046079438	5.9943544e-179	6.5664171e-260	0.017977307
P80317	Cct6a	T-complex protein 1 subunit zeta	1456.67	53.3	58004	26	0.00881098	1.62161497	0.046079438	1.9415622e-178	3.2464596e-259	0.017977307
Q8C1Y8	Cez1	Vacuolar fusion protein CCZ1 homolog	43.23	2.71	55505	1	0.00881627	3.09008039	0.046079438	6.2793908e-178	1.6019421e-258	0.017977307
Q922B2	Dars	Aspartate--tRNA ligase, cytoplasmic	1347.24	53.09	57147	25	0.00882853	1.64928121	0.046079438	2.0278732e-177	7.8947668e-258	0.017977307
O08759	Ube3a	Ubiquitin-protein ligase E3A	54.96	3.33	99819	2	0.00889535	2.37493975	0.046263788	6.5391448e-177	3.8844099e-257	0.018049229
Q8K183	Pdxk	Pyridoxal kinase	258.76	17.31	35015	5	0.00889626	2.83510027	0.046263788	2.1055122e-176	1.9025883e-256	0.018049229
P23514	Copb1	Coatomer subunit beta	657.7	17.52	107011	13	0.00894391	2.20636821	0.046427042	6.7694124e-176	9.3094049e-256	0.01811292
Q64674	Srm	Spermidine synthase	395.57	28.48	33995	7	0.008966	1.90247721	0.046457205	2.1732035e-175	4.5392536e-255	0.018124688
P43275	Hist1h1a	Histone H1.1	511.19	36.15	21785	9	0.00899657	0.54657376	0.046531161	6.9663579e-175	2.2086206e-254	0.018153541
P51174	Acadl	Long-chain specific acyl-CoA dehydrogenase, mitochondrial	1052.21	40.47	47908	18	0.00904715	1.68121502	0.046670692	2.2298052e-174	1.0718661e-253	0.018207977
Q5U317	Fip1l1	Pre-mRNA 3'-end-processing factor FIP1	292.11	14.55	60188	5	0.00905624	0.62775349	0.046670692	7.1266195e-174	5.1831511e-253	0.018207977
Q9WUP7	Uchl5	Ubiquitin carboxyl-terminal hydrolase isozyme L5	663.04	37.99	37617	14	0.00918017	2.19321169	0.047192963	2.2743407e-173	2.5027677e-252	0.018411734
P99028	Uqcrh	Cytochrome b-c1 complex subunit 6, mitochondrial	49.72	20.22	10435	1	0.00919064	0.54476739	0.047192963	7.2474051e-173	1.199656e-251	0.018411734
Q8CI08	Slain2	SLAIN motif-containing protein 2	79.49	4.13	62378	2	0.00925236	3.62775023	0.047370802	2.306027e-172	5.7417064e-251	0.018481116
P24155	Thop1	Thimet oligopeptidase	192.1	5.53	78385	4	0.00927121	2.92439622	0.047370802	7.3265724e-172	2.736633e-250	0.018481116
P17439	Gba	Glucosylceramidase	214.42	21.55	57622	5	0.00927505	1.77693728	0.047370802	2.3242973e-171	1.3019256e-249	0.018481116
Q3UHX2	Pdap1	28 kDa heat- and acid-stable phosphoprotein	353.81	22.65	20605	5	0.00935367	2.23264295	0.047686992	7.3626924e-171	6.1865894e-249	0.018604474
P11103	Parp1	Poly [ADP-ribose] polymerase 1	976.93	25.77	113100	18	0.00937351	1.33999928	0.047702986	2.328818e-170	2.9253847e-248	0.018610713
P40336	Vps26a	Vacuolar protein sorting-associated protein 26A	200.22	22.63	38114	5	0.00943266	2.28137785	0.047918563	7.3550921e-170	1.3805916e-247	0.018694818
Q6A0A2	Larp4b	La-related protein 4B	64.5	2.29	81627	1	0.0096202	5.40469251	0.048784471	2.3194987e-169	6.4901253e-247	0.019032641
P56380	Nudt2	Bis(5'-nucleosyl)-tetraphosphatase [asymmetrical]	58.76	5.44	16989	1	0.00967413	2.79225382	0.04897099	7.3038753e-169	3.0202055e-246	0.019105409
Q9CWK8	Snx2	Sorting nexin-2	1284.68	44.12	58471	21	0.00969647	1.74338279	0.048997208	2.2964953e-168	1.4004721e-245	0.019115637
Q9CYG7	Tom34	Mitochondrial import receptor subunit TOM34	300.82	26.54	34278	6	0.0097182	1.72660016	0.049020256	7.2099207e-168	6.480853e-245	0.019124629

Q91W89	Man2c1	Alpha-mannosidase 2C1	183.08	4.33	115688	4	0.00981014	2.52637608	0.049323746	2.2602055e-167	2.9931144e-244	0.019243032
P97823	Lypla1	Acyl-protein thioesterase 1	243.92	26.52	24688	4	0.00981292	2.20438901	0.049323746	7.0748565e-167	1.374989e-243	0.019243032
Q62448	Eif4g2	Eukaryotic translation initiation factor 4 gamma 2	512.45	14.68	102106	10	0.00983686	1.94889311	0.049357167	2.2112577e-166	6.3096459e-243	0.019256071
Q91Y10	Asl	Argininosuccinate lyase	446.52	23.28	51739	9	0.00986581	4.56989509	0.049415604	6.9010135e-166	2.889387e-242	0.01927887
Q6AYE2	Sh3glb1	Endophilin-B1	109.03	6.85	40787	2	0.00990486	2.39746185	0.049524303	2.1504925e-165	1.3200797e-241	0.019321277
Q9ER72	Cars	Cysteine--tRNA ligase, cytoplasmic	507.15	14.56	94860	9	0.00992589	2.33597751	0.049542707	6.6913585e-165	6.0143013e-241	0.019328457
P46460	Nsf	Vesicle-fusing ATPase	1002.63	26.75	82613	17	0.00995622	1.26470001	0.049572733	2.0789389e-164	2.7348227e-240	0.019340171
O35303	Dnm1l	Dynamin-1-like protein	296.86	8.61	83908	6	0.00996664	2.26018515	0.049572733	6.4494097e-164	1.2406388e-239	0.019340171
P56135	Atp5mf	ATP synthase subunit f, mitochondrial	131.47	23.86	10344	3	0.01000115	1.42431291	0.049657904	1.9977851e-163	5.6200018e-239	0.0193734
Q91VZ6	Smap1	Stromal membrane-associated protein 1	106.19	5.68	47660	2	0.01005484	2.97474016	0.049837784	6.1791384e-163	2.539324e-238	0.019443577
Q8CFV9	Rfk	Riboflavin kinase	59.68	13.55	17437	1	0.01020291	4.88295617	0.050484058	1.9083461e-162	1.143433e-237	0.019695713
Q9CWZ7	Napg	Gamma-soluble NSF attachment protein	48.97	4.17	34732	1	0.01024024	1.71508966	0.050581116	5.884861e-162	5.109279e-237	0.019733579
Q7TSS2	Ube2q1	Ubiquitin-conjugating enzyme E2 Q1	38.05	1.9	46173	1	0.01029236	3.67344469	0.050682277	1.8120278e-161	2.2770127e-236	0.019773046
Q8BV14	Qdpr	Dihydropteridine reductase	199.9	26.56	25570	4	0.01029954	1.90806325	0.050682277	5.5711244e-161	1.0114487e-235	0.019773046
Q9JL16	Scly	Selenocysteine lyase	153.62	15.97	47174	4	0.01032159	2.1785711	0.050682277	1.7102907e-160	4.4871575e-235	0.019773046
Q9Z0R6	Its2	Intersectin-2	44.16	0.72	188908	1	0.01033173	2.76783894	0.050682277	5.2425897e-160	1.9868235e-234	0.019773046
Q80U87	Usp8	Ubiquitin carboxyl-terminal hydrolase 8	305.92	7.96	122611	7	0.01038526	1.98851831	0.050857504	1.6046133e-159	8.7849359e-234	0.019841408
Q8R180	Ero1a	ERO1-like protein alpha	441.46	17.89	54084	8	0.01043578	2.48756702	0.051017362	4.9039186e-159	3.871451e-233	0.019903775
P42225	Stat1	Signal transducer and activator of transcription 1	206.83	6.54	87197	3	0.01049524	2.8001083	0.051067819	1.4964568e-158	1.7007052e-232	0.01992346
Q9D903	Ebna1bp2	Probable rRNA-processing protein EBP2	147.95	10.46	34703	3	0.01050731	0.53196447	0.051067819	4.5596654e-158	7.4445838e-232	0.01992346
Q8CBW3	Abi1	Abl interactor 1	99.73	6.44	52288	2	0.01054079	2.09126469	0.051067819	1.3872328e-157	3.2539503e-231	0.01992346
P61202	Cops2	COP9 signalosome complex subunit 2	73.66	2.93	51597	1	0.01055102	3.59443156	0.051067819	4.2141794e-157	1.4188494e-230	0.01992346
Q3V1V3	Esf1	ESF1 homolog	48.98	1.42	98048	1	0.01055273	2.18722877	0.051067819	1.2782735e-156	6.1781164e-230	0.01992346
P48193	Epb41	Protein 4.1	214.64	8.16	95911	6	0.01055574	1.349381	0.051067819	3.8715185e-156	2.6873857e-229	0.01992346
Q64737	Gart	Trifunctional purine biosynthetic protein adenosine-3	1890.06	40.79	107503	29	0.01057131	1.70642623	0.051067819	1.1708074e-155	1.1677037e-228	0.01992346
P47753	Capza1	F-actin-capping protein subunit alpha-1	320.89	34.27	32940	6	0.01062661	1.68157705	0.051248248	3.535378e-155	5.0655607e-228	0.019993852
Q80X13	Eif4g3	Eukaryotic translation initiation factor 4 gamma 3	376.54	4.5	174890	9	0.01064948	2.12805172	0.051271965	1.0659389e-154	2.1901447e-227	0.020003105
Q9CZ30	Ola1	Obg-like ATPase 1	564.72	28.03	44730	9	0.01069915	0.28774723	0.051424371	3.2090355e-154	9.4509775e-227	0.020062564
Q05144	Rac2	Ras-related C3 botulinum toxin substrate 2	569.5	55.21	21441	10	0.01077756	1.56689397	0.051714186	9.6463332e-154	4.0657846e-226	0.020175632
P63028	Tpt1	Translationally-controlled tumor protein	252.57	44.19	19462	4	0.01081335	3.1603284	0.051798862	2.8953112e-153	1.7416201e-225	0.020208667
Q8BVY0	Rsl1d1	Ribosomal L1 domain-containing protein 1	1118.56	40.71	50421	14	0.01085156	0.56861849	0.05189481	8.6770723e-153	7.4420608e-225	0.0202461
P46737	Brec3	Lys-63-specific deubiquitinase BRCC36	128.43	8.25	33340	2	0.01090307	3.6474222	0.052053938	2.5965453e-152	3.1719213e-224	0.020308182
P61982	Ywhag	14-3-3 protein gamma	778.16	50.2	28303	14	0.01102109	3.43726853	0.052529547	7.7582374e-152	1.3477315e-223	0.020493735
Q9CY64	Blvra	Biliverdin reductase A	357.3	18.64	33525	7	0.01106153	1.75723674	0.052600291	2.3145918e-151	5.6931086e-223	0.020521335
Q3UQ44	Iqgap2	Ras GTPase-activating-like protein IQGAP2	100.96	1.14	180528	2	0.01107308	2.46881522	0.052600291	6.8949273e-151	2.3986256e-222	0.020521335
P52760	Rida	2-iminobutanoate/2-iminopropanoate deaminase	141.2	29.63	14255	3	0.01109614	2.70692612	0.052600291	2.0508251e-150	1.0091554e-221	0.020521335
Q8R016	Blmh	Bleomycin hydrolase	445.03	25.71	52511	9	0.01110962	3.00131526	0.052600291	6.0907524e-150	4.2377153e-221	0.020521335
O09131	Gsto1	Glutathione S-transferase omega-1	84.83	7.92	27498	2	0.01124545	2.38148677	0.053126803	1.8061607e-149	1.7768622e-220	0.020726747
Q9CQV8	Ywhab	14-3-3 protein beta/alpha	847.91	48.37	28086	13	0.01125804	3.72619374	0.053126803	5.3479174e-149	7.402486e-220	0.020726747
O55142	Rpl35a	60S ribosomal protein L35a	172.8	28.18	12554	5	0.01128631	0.79779313	0.053172281	1.5810863e-148	3.0794321e-219	0.020744489
Q9JHU9	Isyn1	Inositol-3-phosphate synthase 1	818.03	29.62	60932	14	0.01135643	1.69839714	0.053414527	4.6673326e-148	1.2783813e-218	0.020838999
Q9CY94	Gins3	DNA replication complex GINS protein PSF3	56.5	7.41	24577	2	0.01137787	3.09364573	0.053427312	1.3757007e-147	5.2871956e-218	0.020843986
Q6PGG2	Gmip	GEM-interacting protein	94.61	1.03	107545	2	0.01142119	2.74148634	0.053455035	4.0487498e-147	2.1827801e-217	0.020854802
P62331	Arf6	ADP-ribosylation factor 6	340.18	30.29	20082	5	0.01142122	1.98198103	0.053455035	1.1897601e-146	8.9875195e-217	0.020854802
P68254	Ywhaq	14-3-3 protein theta	757.04	44.08	27778	12	0.01149333	3.86422706	0.053704503	3.4909134e-146	3.6970656e-216	0.020952129
O89053	Coro1a	Coronin-1A	1683.42	52.93	50989	27	0.01153418	1.26428259	0.053807344	1.0227269e-145	1.5150724e-215	0.020992251
B2RXC1	Trappc11	Trafficking protein particle complex subunit 11	47.95	0.79	128396	1	0.01158165	3.67539798	0.053940622	2.99172e-145	6.1930647e-215	0.021044248

Q91YQ5	Rpn1	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	1542.48	52.96	68528	26	0.01164191	0.77430334	0.054132984	8.7382121e-145	2.5244438e-214	0.021119295
Q3TC93	Hs1bp3	HCLS1-binding protein 3	64.99	7.09	43691	2	0.0118285	4.3982344	0.054817744	2.5483807e-144	1.0256605e-213	0.021386446
Q8C0M9	Asrgl1	Isoaspartyl peptidase/L-asparaginase	169.81	11.04	33950	3	0.01183379	2.24578458	0.054817744	7.420717e-144	4.1336899e-213	0.021386446
P68510	Ywhah	14-3-3 protein eta	540.26	32.52	28212	10	0.01185252	4.24173441	0.054817744	2.1575802e-143	1.6640927e-212	0.021386446
P36876	Ppp2r2a	Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform	410.72	18.79	51678	8	0.01187824	1.80279655	0.054817744	6.2636473e-143	6.6880803e-212	0.021386446
P61924	Copz1	Coatomer subunit zeta-1	104.24	22.03	20198	3	0.01188518	2.8487158	0.054817744	1.8156269e-142	2.6828462e-211	0.021386446
Q60902	Eps15l1	Epidermal growth factor receptor substrate 15-like 1	40.21	0.88	99309	1	0.01196475	7.58522997	0.055067625	5.2549018e-142	1.0748981e-210	0.021483934
Q8VHI3	Pofut2	GDP-fucose protein O-fucosyltransferase 2	64.95	3.26	49429	1	0.01197793	81467.5223	0.055067625	1.5185917e-141	4.289789e-210	0.021483934
Q9D7H3	RtcA	RNA 3'-terminal phosphate cyclase	185.8	12.02	39254	3	0.01219012	2.12236153	0.05595304	4.38183e-141	1.7095505e-209	0.021829367
P14152	Mdh1	Malate dehydrogenase, cytoplasmic	504.53	44.61	36511	9	0.01223572	1.96131455	0.05607218	1.2624316e-140	6.7533919e-209	0.021875848
Q3UDE2	Till12	Tubulin--tyrosine ligase-like protein 12	345.5	12.36	74043	7	0.01225825	1.69537235	0.056085418	3.6315979e-140	2.6609381e-208	0.021881012
Q9JM76	Arpc3	Actin-related protein 2/3 complex subunit 3	372.7	44.38	20525	7	0.01232484	1.38658435	0.056224135	1.0430975e-139	1.0466143e-207	0.021935131
O88569	Hnrnpa2b1	Heterogeneous nuclear ribonucleoproteins A2/B1	2156.49	66.86	37403	28	0.01232795	0.58024091	0.056224135	2.9914998e-139	4.1028654e-207	0.021935131
Q61655	Ddx19a	ATP-dependent RNA helicase DDX19A	562.17	30.54	53933	10	0.01236185	1.59606029	0.056233421	8.5662304e-139	1.6066954e-206	0.021938754
P12382	Pfkf	ATP-dependent 6-phosphofructokinase, liver type	754.16	21.67	85360	13	0.01240803	1.67711805	0.056233421	2.4492149e-138	6.2783351e-206	0.021938754
Q9EPB5	Serhl	Serine hydrolase-like protein	45.97	2.89	35311	1	0.01241235	1.52568388	0.056233421	6.9919793e-138	2.4469833e-205	0.021938754
P20650	Ppm1a	Protein phosphatase 1A	62.49	3.14	42417	1	0.01242056	1.70081605	0.056233421	1.9930086e-137	9.5267296e-205	0.021938754
Q9QXZ0	Macf1	Microtubule-actin cross-linking factor 1	609.27	2.18	831878	12	0.01242847	1.80689626	0.056233421	5.6722282e-137	3.7044361e-204	0.021938754
P53811	Pitpnb	Phosphatidylinositol transfer protein beta isoform	221.46	27.68	31487	6	0.01257108	1.96824696	0.056788657	1.6118827e-136	1.4386977e-203	0.022155372
O08807	Prdx4	Peroxiredoxin-4	450.91	46.72	31053	10	0.01262152	3.79366089	0.05692646	4.5734935e-136	5.5541699e-203	0.022209135
Q9WUB4	Dctn6	Dynalectin subunit 6	40.93	9.47	20670	1	0.01264455	2.39060875	0.05694037	1.2956787e-135	2.1384266e-202	0.022214561
Q922F4	Tubb6	Tubulin beta-6 chain	1790.93	61.97	50090	29	0.01274971	1.72202415	0.057305865	3.6650582e-135	8.2189013e-202	0.022357154
Q8R323	Rfc3	Replication factor C subunit 3	205.16	11.24	40526	3	0.01276586	1.67081911	0.057305865	1.0351385e-134	3.1444253e-201	0.022357154
Q8K1R7	Nek9	Serine/threonine-protein kinase Nek9	179.81	5.39	107143	4	0.01282458	2.26772634	0.057479063	2.9191051e-134	1.2012159e-200	0.022424725
Q4QRB4	Tubb3	Tubulin beta-3 chain	1717.98	38.89	50419	26	0.01288737	1.77290912	0.057669955	8.2192922e-134	4.5752824e-200	0.0224992
Q9D8E6	Rpl4	60S ribosomal protein L4	1231.25	43.44	47154	19	0.01293427	0.79103727	0.057789274	2.3107461e-133	1.7373068e-199	0.02254575
P62960	Ybx1	Nuclease-sensitive element-binding protein 1	954.34	49.07	35730	11	0.01295742	1.49139137	0.057802247	6.4863866e-133	6.5801647e-199	0.022550812
O88447	Klc1	Kinesin light chain 1	104.17	4.44	61450	2	0.01298295	2.19436592	0.057825768	1.8179668e-132	2.4880027e-198	0.022559988
P61759	Vbp1	Prefoldin subunit 3	245.47	32.14	22436	5	0.01306699	3.14104236	0.058010568	5.0874628e-132	9.3904037e-198	0.022632085
Q9JIK9	Mrps34	28S ribosomal protein S34, mitochondrial	151.62	13.76	25827	4	0.01307261	0.74933054	0.058010568	1.4215052e-131	3.530887e-197	0.022632085
P47857	Pfkf	ATP-dependent 6-phosphofructokinase, muscle type	268.67	7.56	85269	6	0.01308863	1.67242374	0.058010568	3.9657672e-131	1.3261607e-196	0.022632085
Q64152	Btf3	Transcription factor BTF3	627.07	41.67	22031	9	0.01310571	1.50626455	0.058010568	1.104682e-130	4.9735849e-196	0.022632085
O35130	Emg1	Ribosomal RNA small subunit methyltransferase NEP1	311.22	40.16	26974	6	0.01316299	0.52782021	0.058173884	3.0724037e-130	1.8624662e-195	0.022695801
Q9JLV6	Pnkp	Bifunctional polynucleotide phosphatase/kinase	384.78	21.65	57223	6	0.01333075	1.90586569	0.058771562	8.5319825e-130	6.95461e-195	0.022928978
P84096	Rhog	Rho-related GTP-binding protein RhoG	599.43	58.12	21309	9	0.01333939	1.43441509	0.058771562	2.3656581e-129	2.5801828e-194	0.022928978
B0LT89	Stk24	Serine/threonine-protein kinase 24	234.73	13.46	47990	5	0.01339046	1.80470072	0.058875805	6.5491362e-129	9.5609508e-194	0.022969646
P29391	Ftl1	Ferritin light chain 1	538.2	49.18	20802	9	0.01340982	1.56457006	0.058875805	1.8102801e-128	3.5336522e-193	0.022969646
P32261	Serpinc1	Antithrombin-III	231.23	7.1	52004	4	0.01342492	1.62229342	0.058875805	4.9961671e-128	1.3039719e-192	0.022969646
P01896		H-2 class I histocompatibility antigen, alpha chain	182.26	27.03	20454	4	0.01360889	1.66189179	0.059591089	1.3767568e-127	4.8050116e-192	0.023248705
O35691	Pnn	Pinin	286.07	7.17	82436	6	0.01367147	0.65456988	0.059773444	3.7879676e-127	1.7585167e-191	0.023319849
Q8VBV7	Cops8	COP9 signalosome complex subunit 8	216.54	29.67	23256	4	0.0137117	2.06696369	0.05983349	1.0405998e-126	6.4169778e-191	0.023343275
Q9DB29	Iah1	Isoamyl acetate-hydrolyzing esterase 1 homolog	51.6	4.42	27974	1	0.01373101	2.4639688	0.05983349	2.8542327e-126	2.3364602e-190	0.023343275
Q3V0K9	Pls1	Plastin-1	651.95	7.3	70408	11	0.01378457	2.38292608	0.05983349	7.8166889e-126	8.4941225e-190	0.023343275
P61967	Ap1s1	AP-1 complex subunit sigma-1A	35.15	4.43	18733	1	0.01378897	3.27431889	0.05983349	2.13739e-125	3.0799454e-189	0.023343275

P97311	Mcm6	DNA replication licensing factor MCM6	1179.58	31.06	92867	20	0.01379	1.12479118	0.05983349	5.8354171e-125	1.1155889e-188	0.023343275
Q80X41	Vrk1	Serine/threonine-protein kinase VRK1	203.91	16.82	49741	4	0.01386292	1.69121135	0.05998358	1.5906949e-124	4.0368909e-188	0.023401831
O70456	Sfn	14-3-3 protein sigma	158.96	12.1	27706	4	0.01386661	4.77773204	0.05998358	4.3294069e-124	1.456114e-187	0.023401831
B0BNF1	Sept8	Septin-8	301.53	17.42	51252	6	0.01391366	2.72820171	0.06002254	1.1765114e-123	5.2467334e-187	0.023417031
P80315	Cct4	T-complex protein 1 subunit delta	2112.64	60.67	58066	29	0.01391766	1.57542115	0.06002254	3.1921974e-123	1.8860039e-186	0.023417031
P23249	Mov10	Putative helicase MOV-10	135.6	4.88	113583	3	0.01394547	1.99387735	0.060051755	8.6478652e-123	6.7723066e-186	0.023428428
Q9WV32	Arpc1b	Actin-related protein 2/3 complex subunit 1B	943.68	56.18	41064	16	0.01401055	1.35958458	0.060241161	2.3391243e-122	2.4274528e-185	0.023502323
P97814	Pstpip1	Proline-serine-threonine phosphatase-interacting protein 1	136.51	8.92	47590	2	0.01404523	3.13393141	0.060299465	6.3171706e-122	8.6753757e-185	0.023525069
Q9WUA2	Farsb	Phenylalanine--tRNA ligase beta subunit	563.32	21.9	65697	12	0.01407065	1.63949902	0.060317883	1.7033994e-121	3.0942666e-184	0.023532255
Q9JIK5	Ddx21	Nucleolar RNA helicase 2	2381.58	52.53	93551	39	0.01418107	0.79888927	0.060700066	4.5860057e-121	1.1017499e-183	0.023681359
Q922D8	Mthfd1	C-1-tetrahydrofolate synthase, cytoplasmic	1267.38	30.05	101200	25	0.01425468	1.60915838	0.060742153	1.2327546e-120	3.9061146e-183	0.023697779
Q9Z2X2	Psm10	26S proteasome non-ATPase regulatory subunit 10	82.89	3.46	25084	1	0.01427506	3.52656052	0.060742153	3.3085844e-120	1.3805031e-182	0.023697779
Q6P7P5	Bzw1	Basic leucine zipper and W2 domain-containing protein 1	165.36	12.65	48043	4	0.01429354	2.59191696	0.060742153	8.8660681e-120	4.8714534e-182	0.023697779
P37996	Arl3	ADP-ribosylation factor-like protein 3	191.8	25.82	20457	4	0.01430676	2.30452968	0.060742153	2.3721537e-119	1.7164578e-181	0.023697779
P62982	Rps27a	Ubiquitin-40S ribosomal protein S27a	730.07	58.97	17951	12	0.01431382	0.76184476	0.060742153	6.3369043e-119	6.0398935e-181	0.023697779
Q921M7	Fam49b	Protein FAM49B	700.82	35.49	36776	11	0.01431855	1.75724807	0.060742153	1.690183e-118	2.1228842e-180	0.023697779
P58404	Strn4	Striatin-4	56.34	2.24	81645	1	0.01439822	3.36688291	0.060920334	4.5010329e-118	7.4533842e-180	0.023767294
Q8CG48	Smc2	Structural maintenance of chromosomes protein 2	717.19	15.03	134239	14	0.01440702	1.64848593	0.060920334	1.1967742e-117	2.6082196e-179	0.023767294
P05063	Aldoc	Fructose-bisphosphate aldolase C	1552.97	64.74	39395	24	0.01442457	1.67181785	0.060920334	3.1771189e-117	9.11618e-179	0.023767294
P55770	Snu13	NHP2-like protein 1	375.77	44.53	14174	7	0.01446369	0.74222834	0.060995326	8.4212315e-117	3.1816098e-178	0.023796551
Q62087	Pon3	Serum paraoxonase/lactonase 3	584.62	21.19	39351	8	0.01454023	1.61671407	0.06116052	2.2286316e-116	1.1080784e-177	0.023860999
P84078	Arfl	ADP-ribosylation factor 1	972.12	64.64	20697	14	0.01454571	1.61426357	0.06116052	5.8887232e-116	3.8468913e-177	0.023860999
Q9D8U8	Snx5	Sorting nexin-5	737.63	47.77	46797	15	0.01457515	1.5952763	0.06119419	1.5535451e-115	1.3340431e-176	0.023874135
P41542	Uso1	General vesicular transport factor p115	208.86	6.26	107162	5	0.01459747	5.60508157	0.061197904	4.0920986e-115	4.6179212e-176	0.023875584
Q3T114	Prrc1	Protein PRRC1	65.9	2.93	46295	1	0.01471589	2.61174957	0.061553326	1.0761863e-114	1.5959902e-175	0.024014247
Q99JW2	Acy1	Aminoacylase-1	645.02	33.09	45781	9	0.01472537	1.79324325	0.061553326	2.8258407e-114	5.4918287e-175	0.024014247
Q6AYA1	Gar1	H/ACA ribonucleoprotein complex subunit 1	104.08	9.73	23011	2	0.01487469	0.50046505	0.062086614	7.4084326e-114	1.8874479e-174	0.024222303
Q8K0C9	Gmcs	GDP-mannose 4,6 dehydratase	127.7	6.72	41985	2	0.01497472	4.15792285	0.062382439	1.9392023e-113	6.4531333e-174	0.024337715
Q5M7W1	Txnip	Thioredoxin-interacting protein	38.62	3.05	44018	1	0.01498927	4.92195318	0.062382439	5.0680123e-113	2.1980054e-173	0.024337715
B3GNI6	Sept11	Septin-11	380.63	20.88	49695	7	0.01503041	1.66858507	0.062431541	1.3224206e-112	7.4765449e-173	0.024356872
Q8VBW6	Nae1	NEDD8-activating enzyme E1 regulatory subunit	117.42	4.68	60274	2	0.0150448	4.29605847	0.062431541	3.4452332e-112	2.5378316e-172	0.024356872
Q9CR68	Uqcrrf1	Cytochrome b-c1 complex subunit Rieske, mitochondrial	468.94	44.89	29368	7	0.01507219	0.39010988	0.062454439	8.9615751e-112	8.6028171e-172	0.024365805
Q9ERS5	Plekha2	Pleckstrin homology domain-containing family A member 2	91.66	5.65	47380	2	0.01513436	2.48156028	0.062604413	2.3273753e-111	2.9112301e-171	0.024424316
Q9D2X5	Mau2	MAU2 chromatid cohesion factor homolog	46.81	1.13	69579	1	0.01515224	4.83628216	0.062604413	6.0348224e-111	9.8254164e-171	0.024424316
P12265	Gusb	Beta-glucuronidase	1068.84	36.27	74195	19	0.01538065	1.53805747	0.063456297	1.5623495e-110	3.3113121e-170	0.024756667
Q9CR16	Ppid	Peptidyl-prolyl cis-trans isomerase D	365.23	17.3	40743	6	0.01543977	1.8817826	0.063575934	4.0383801e-110	1.1079332e-169	0.024803342
Q9DCD0	Pgd	6-phosphogluconate dehydrogenase, decarboxylating	1873.08	56.52	53247	26	0.01545419	1.52022219	0.063575934	1.0422001e-109	3.6976183e-169	0.024803342
Q4QQT4	Ppp2r1b	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform	570.71	14.98	66006	8	0.01550108	1.70825402	0.063677101	2.6854036e-109	1.2324071e-168	0.024842811
Q9QZ88	Vps29	Vacuolar protein sorting-associated protein 29	200.28	37.36	20496	5	0.01554225	2.23149234	0.063754497	6.9084757e-109	4.098533e-168	0.024873006
Q60865	Caprin1	Caprin-1	810.19	24.89	78169	14	0.01561813	1.84725197	0.063967055	1.7744703e-108	1.3602344e-167	0.024955933
O35405	Pld3	Phospholipase D3	119.57	6.97	54389	2	0.01563888	1.44538782	0.063967055	4.5506005e-108	4.5009923e-167	0.024955933
Q9EQ06	Hsd17b11	Estradiol 17-beta-dehydrogenase 11	108.06	11.74	32881	2	0.01566954	1.51610485	0.064000771	1.1651499e-107	1.4871508e-166	0.024969087
Q3V1L4	Nt5c2	Cytosolic purine 5'-nucleotidase	252.59	10.18	64809	5	0.01572653	2.27276323	0.064141787	2.9785687e-107	4.9050035e-166	0.025024103

P10518	Alad	Delta-aminolevulinic acid dehydratase	433.91	32.12	36024	7	0.01575555	2.45162431	0.064168477	7.6023143e-107	1.6138339e-165	0.025034515
Q80X50	Ubap2l	Ubiquitin-associated protein 2-like	395.32	10.03	116799	6	0.01578892	1.87205897	0.064212756	1.9372962e-106	5.3007467e-165	0.02505179
Q8BQM4	Hear3	HEAT repeat-containing protein 3	196.51	7.22	74305	4	0.01583844	2.39157976	0.064322523	4.9289892e-106	1.7378998e-164	0.025094614
Q9QYB1	Clic4	Chloride intracellular channel protein 4	921.84	57.31	28729	13	0.0158789	1.99627491	0.064390393	1.2520768e-105	5.6851067e-164	0.025121093
Q9WVAA4	Tagln2	Transgelin-2	1756.11	79.4	22395	24	0.01591698	1.46577594	0.064390393	3.1755209e-105	1.8560242e-163	0.025121093
P62869	Elob	Elongin-B	518.34	66.95	13170	10	0.01592281	2.12597761	0.064390393	8.0409897e-105	6.047671e-163	0.025121093
P24369	Ppib	Peptidyl-prolyl cis-trans isomerase B	682.61	51.39	23713	13	0.01595769	1.60267003	0.064440196	2.0328914e-104	1.9684164e-162	0.025140523
Q8K4Z3	Naxe	NAD(P)H-hydrate epimerase	233.85	24.82	30973	4	0.01607626	1.7556786	0.064827306	5.1313144e-104	6.3950197e-162	0.025291549
Q9D172	Gatd3a	Glutamine amidotransferase-like class 1 domain-containing protein 3A, mitochondrial	59.06	9.4	28090	2	0.01623338	2.43630946	0.065243912	1.2931606e-103	2.0693179e-161	0.025454083
P35979	Rpl12	60S ribosomal protein L12	472.11	49.7	17805	6	0.0162397	1.32336812	0.065243912	3.2537586e-103	6.6628367e-161	0.025454083
O88712	Ctbp1	C-terminal-binding protein 1	228.09	13.83	47745	5	0.01624813	1.52507257	0.065243912	8.1738531e-103	2.1429583e-160	0.025454083
P05064	Aldoa	Fructose-bisphosphate aldolase A	2479.37	82.69	39356	35	0.01629742	1.65156301	0.065349889	2.0501073e-102	6.8844106e-160	0.025495428
P43277	Hist1h1d	Histone H1.3	813.93	38.01	22100	13	0.01634447	0.59091289	0.065409423	5.1337442e-102	2.2068299e-159	0.025518655
P16446	Pitpna	Phosphatidylinositol transfer protein alpha isoform	271.48	28.78	31907	5	0.01635808	1.86273373	0.065409423	1.2835103e-101	7.0590516e-159	0.025518655
Q6PDY2	Ado	2-aminoethanethiol dioxygenase	132.57	16.8	28372	4	0.01639533	1.7175571	0.065466654	3.2038459e-101	2.2550987e-158	0.025540982
Q9CWU9	Nup37	Nucleoporin Nup37	133.98	10.12	36732	2	0.01648098	0.42865755	0.065716758	7.984553e-101	7.1906597e-158	0.025638557
P23492	Pnp	Purine nucleoside phosphorylase	615.23	31.83	32277	10	0.0166133	2.19203921	0.066016445	1.9867167e-100	2.2857724e-157	0.025755477
P56812	Pdcd5	Programmed cell death protein 5	259.72	45.24	14275	5	0.01663315	1.76776734	0.066016445	4.9354553e-100	7.2354267e-157	0.025755477
P62305	Snrpe	Small nuclear ribonucleoprotein E	296.15	69.57	10804	6	0.01667005	0.5738766	0.066016445	1.2241202e-99	2.2870434e-156	0.025755477
Q922Q8	Lrrc59	Leucine-rich repeat-containing protein 59	315.59	36.81	34877	7	0.01667011	1.78825333	0.066016445	3.0312804e-99	7.2157535e-156	0.025755477
Q68FL4	Ahcy12	Putative adenosylhomocysteinase 3	238.46	7.01	66899	5	0.01670437	2.65994044	0.066016445	7.4943323e-99	2.2744614e-155	0.025755477
Q99M31	Hspa14	Heat shock 70 kDa protein 14	198.91	10.81	54650	4	0.01671701	2.00172747	0.066016445	1.8498826e-98	7.1565005e-155	0.025755477
Q9DAW6	Prpf4	U4/U6 small nuclear ribonucleoprotein Prp4	181.96	9.98	58370	4	0.01673481	0.47987898	0.066016445	4.5588931e-98	2.2489385e-154	0.025755477
Q9EQ80	Nif311	NIF3-like protein 1	368.02	19.95	41746	7	0.01674472	1.89863458	0.066016445	1.121704e-97	7.0575508e-154	0.025755477
Q9Z0S1	Bpnt1	3'(2'),5'-bisphosphate nucleotidase 1	407.94	30.19	33196	7	0.01681864	2.21436274	0.066016445	2.7554994e-97	2.2121414e-153	0.025755477
Q62418	Dbn1	Drebrin-like protein	700.57	32.34	48700	10	0.01682224	1.37300291	0.066016445	6.7581094e-97	6.9148097e-153	0.025755477
Q5FWK3	Arhgap1	Rho GTPase-activating protein 1	140.86	7.06	50411	2	0.01685281	11.1369596	0.066016445	1.6548267e-96	2.1592173e-152	0.025755477
Q91YE6	Ipo9	Impartin-9	336.01	8.84	116052	7	0.01685411	1.82242043	0.066016445	4.04559e-96	6.7309752e-152	0.025755477
Q6PDI5	Ecpas	Proteasome adapter and scaffold protein ECM29	95.38	0.98	203703	2	0.01685674	2.61295134	0.066016445	9.8744481e-96	2.0961917e-151	0.025755477
P53563	Bcl2l1	Bcl-2-like protein 1	131.51	14.16	26158	2	0.01703365	1.41257646	0.06661791	2.4062737e-95	6.5213934e-151	0.02599013
Q8BLN5	Lss	Lanosterol synthase	50.39	1.64	83141	1	0.01711236	2.59881896	0.066834193	5.8543413e-95	2.0183586e-150	0.02607451
P11983	Tcp1	T-complex protein 1 subunit alpha	2145.54	64.57	60449	31	0.01716887	1.5139812	0.066963294	1.4220389e-94	6.2292002e-150	0.026124878
O08618	Prpsap2	Phosphoribosyl pyrophosphate synthase-associated protein 2	179.36	11.92	40867	3	0.01744194	1.76333784	0.067898239	3.4486166e-94	1.9181116e-149	0.026489634
Q91WU5	As3mt	Arsenite methyltransferase	146.66	13.3	41794	3	0.01745615	2.60141817	0.067898239	8.3498365e-94	5.8632324e-149	0.026489634
Q01730	Rsu1	Ras suppressor protein 1	148.7	24.19	31550	3	0.01753895	2.17210426	0.068080777	2.0184139e-93	1.7899786e-148	0.026560849
E9Q555	Rnf213	E3 ubiquitin-protein ligase RNF213	48.5	0.14	584784	1	0.01755077	4.69285041	0.068080777	4.8712596e-93	5.4490461e-148	0.026560849
P15864	Hist1h1c	Histone H1.2	908.99	43.4	21267	14	0.01757661	0.59979847	0.068088504	1.1737368e-92	1.656781e-147	0.026563864
Q27W01	Rbm8a	RNA-binding protein 8A	251.44	32.18	19889	4	0.01764841	0.57499464	0.068261595	2.8235672e-92	5.0296972e-147	0.026631393
Q61703	Itih2	Inter-alpha-trypsin inhibitor heavy chain H2	136.59	4.44	105928	3	0.01766911	2.39201642	0.068261595	6.7814582e-92	1.5229868e-146	0.026631393
Q9CRC8	Lrrc40	Leucine-rich repeat-containing protein 40	133.78	4.32	68076	2	0.017739	2.08485868	0.068359368	1.6260923e-91	4.6050549e-146	0.026669538
P26041	Msn	Moesin	3455.891	67.94	67767	55	0.01774231	1.50229486	0.068359368	3.8928176e-91	1.3889112e-145	0.026669538
Q9QYI3	Dnajc7	DnaJ homolog subfamily C member 7	224.76	8.1	56476	3	0.01779663	1.90192445	0.068394196	9.3042039e-91	4.1847524e-145	0.026683126
Q8BP48	Metap1	Methionine aminopeptidase 1	273.95	24.35	43221	6	0.01784897	1.93055878	0.068394196	2.2201907e-90	1.2581176e-144	0.026683126
Q922K7	Nop2	Probable 28S rRNA (cytosine-C(5))-methyltransferase	857.22	24.84	86752	15	0.01785066	0.67193534	0.068394196	5.2892834e-90	3.77442e-144	0.026683126
P26817	Grk2	Beta-adrenergic receptor kinase 1	417.71	14.22	79785	9	0.01786779	1.54137887	0.068394196	1.2580516e-89	1.1312264e-143	0.026683126
P51863	Atp6v0d1	V-type proton ATPase subunit d 1	399.27	25.36	40301	8	0.01787113	1.91353315	0.068394196	2.9874091e-89	3.3858556e-143	0.026683126

Q9JHR7	Ide	Insulin-degrading enzyme	208.6	6.18	117772	5	0.0180603	2.96599508	0.068873603	7.082477e-89	1.0123714e-142	0.02687016
P53564	Cux1	Homeobox protein cut-like 1	56.26	0.59	165596	1	0.01806286	5.14078699	0.068873603	1.6763683e-88	3.0114539e-142	0.02687016
Q6PEC4	Skp1	S-phase kinase-associated protein 1	199.83	20.86	18672	2	0.01806877	0.57972029	0.068873603	3.9613853e-88	8.9489991e-142	0.02687016
P27659	Rpl3	60S ribosomal protein L3	1300.46	45.16	46110	20	0.01813519	0.83956253	0.069003858	9.3458255e-88	2.6564491e-141	0.026920978
Q91VD9	Ndufs1	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	703.16	25.45	79777	15	0.01820928	0.8092941	0.069003858	2.2013078e-87	7.8664873e-141	0.026920978
P62774	Mtpn	Myotrophin	239.8	35.59	12861	3	0.01822485	2.01811078	0.069003858	5.176497e-87	2.3235025e-140	0.026920978
P54276	Msh6	DNA mismatch repair protein Msh6	104.05	2.5	151084	2	0.01822682	2.51407661	0.069003858	1.2152981e-86	6.8539852e-140	0.026920978
Q8BG07	Pld4	Phospholipase D4	797.23	31.41	56154	12	0.01824432	1.59742702	0.069003858	2.8485307e-86	2.0198e-139	0.026920978
Q64105	Spr	Sepiapterin reductase	763.56	59.39	27883	12	0.01825109	1.68781506	0.069003858	6.6657618e-86	5.9441747e-139	0.026920978
Q91YJ3	Thyn1	Thymocyte nuclear protein 1	78.47	6.64	26178	2	0.01829602	2.22878817	0.069003858	1.5572884e-85	1.7474027e-138	0.026920978
P24063	Itgal	Integrin alpha-L	61.08	0.95	128328	1	0.01829629	0.57845494	0.069003858	3.6322707e-85	5.1268956e-138	0.026920978
Q9D771	Tmem206	Transmembrane protein 206	155.94	21.14	40178	4	0.01838677	1.7684349	0.069253601	8.4581791e-85	1.5027747e-137	0.027018412
P28474	Adh5	Alcohol dehydrogenase class-3	971.23	54.01	39548	14	0.01856007	1.82553948	0.069748128	1.9663671e-84	4.3920793e-137	0.027211345
Q3TDN2	Faf2	FAS-associated factor 2	64.36	2.7	52471	1	0.01856693	1.92676694	0.069748128	4.5639506e-84	1.2776916e-136	0.027211345
Q3UM45	Ppp1r7	Protein phosphatase 1 regulatory subunit 7	1027.28	55.12	41292	17	0.01864154	2.246219	0.069812974	1.0575611e-83	3.7127956e-136	0.027236644
P06801	Me1	NADP-dependent malic enzyme	94.39	3.15	63954	1	0.01864854	2.83383716	0.069812974	2.4465703e-83	1.0761538e-135	0.027236644
Q99N27	Snx1	Sorting nexin-1	517.91	18.39	59044	9	0.01865755	1.88332886	0.069812974	5.6506348e-83	3.1157685e-135	0.027236644
Q9WTM5	Ruvbl2	RuvB-like 2	874.24	33.26	51113	15	0.01870116	1.19455657	0.069884564	1.3029376e-82	9.0106119e-135	0.027264574
P61078	Ube2d3	Ubiquitin-conjugating enzyme E2 D3	189.62	36.05	16687	3	0.01874309	2.21073455	0.069949701	2.999414e-82	2.600917e-134	0.027289986
Q920B9	Supt16h	FACT complex subunit SPT16	687.13	16.62	119825	13	0.01880479	1.19954467	0.070018293	6.8934267e-82	7.4937297e-134	0.027316746
Q9CRB2	Nhp2	H/ACA ribonucleoprotein complex subunit 2	198.85	23.53	17247	3	0.01881052	0.28320519	0.070018293	1.5816829e-81	2.1542276e-133	0.027316746
P70582	Nup54	Nuclear pore complex protein Nup54	136.49	4.51	55745	2	0.01884624	0.59811643	0.07005993	3.6231701e-81	6.1860337e-133	0.027332991
P62196	Psmc5	26S proteasome regulatory subunit 8	759.97	40.39	45626	13	0.01892546	1.19654694	0.070262913	8.2859565e-81	1.7733314e-132	0.027412182
Q64514	Tip2	Tripeptidyl-peptidase 2	987.35	24.25	139879	19	0.0190834	1.7309961	0.070714645	1.891824e-80	5.0703345e-132	0.027588419
Q9Z2Y8	Plpbp	Pyridoxal phosphate homeostasis protein	82.71	4.74	30049	1	0.01910448	3.34310623	0.070714645	4.3122358e-80	1.4436414e-131	0.027588419
Q8CHP8	Pgp	Glycerol-3-phosphate phosphatase	436.34	35.2	34541	8	0.01912144	2.04701376	0.070714645	9.8131294e-80	4.1046425e-131	0.027588419
Q6A0A9	FAM120A	Constitutive coactivator of PPAR-gamma-like protein 1	371.15	9.71	121646	8	0.01917921	1.41516103	0.070836555	2.2294377e-79	1.1655221e-130	0.027635981
Q91VX2	Ubap2	Ubiquitin-associated protein 2	204.92	5.57	117966	4	0.01922225	2.52669895	0.070903767	5.0566802e-79	3.3024499e-130	0.027662203
Q9Z0Y1	Dctn3	Dynactin subunit 3	38	4.3	20978	1	0.01930805	2.44029941	0.071128351	1.1450317e-78	9.3401357e-130	0.027749822
Q78JE5	Fbxo22	F-box only protein 22	41.06	2.24	44203	1	0.01935863	2.27460151	0.071209249	2.5885166e-78	2.6345131e-129	0.027781383
Q6PAR5	Gapvd1	GTPase-activating protein and VPS9 domain-containing protein 1	154.87	3.02	162402	3	0.01937989	3.31629416	0.071209249	5.842051e-78	7.4162926e-129	0.027781383
Q9CXF4	Tbc1d15	TBC1 domain family member 15	169.02	4.02	76527	3	0.01947431	2.28034622	0.071464198	1.3163162e-77	2.0848123e-128	0.027880848
Q9Z1F9	Uba2	SUMO-activating enzyme subunit 2	895.4	44.83	70569	16	0.0196474	1.80132431	0.071916473	2.9609776e-77	5.8440137e-128	0.028057297
Q9D855	Uqcrb	Cytochrome b-c1 complex subunit 7	38.76	9.01	13527	1	0.01964793	3.20467027	0.071916473	6.6495093e-77	1.631004e-127	0.028057297
Q8R404	Mic13	MICOS complex subunit MIC13	72.83	33.61	13373	2	0.01978335	1.9633823	0.072270185	1.4908129e-76	4.5475086e-127	0.028195294
Q7TNG5	Eml2	Echinoderm microtubule-associated protein-like 2	152.47	9.4	70734	3	0.0197952	2.16611198	0.072270185	3.3368397e-76	1.2633558e-126	0.028195294
P70699	Gaa	Lysosomal alpha-glucosidase	769.46	20.25	106248	12	0.01982544	1.49557536	0.072288155	7.4563396e-76	3.5055612e-126	0.028202304
P70677	Casp3	Caspase-3	354.9	25.63	31475	6	0.019862	1.72863752	0.072327975	1.6633885e-75	9.7121203e-126	0.02821784
Q6P069	Sri	Sorcini	114.87	11.62	21627	2	0.01990951	2.53468565	0.072327975	3.7045796e-75	2.6862249e-125	0.02821784
P03995	Gfap	Glial fibrillary acidic protein	164.37	6.05	49900	3	0.01991236	3.11645348	0.072327975	8.2368452e-75	7.4156913e-125	0.02821784
P84091	Ap2m1	AP-2 complex subunit mu	534.71	31.26	49655	12	0.01998741	1.65306408	0.072508327	1.8283492e-74	2.0450979e-124	0.028288202
Q8CDG3	Vcpip1	Deubiquitinating protein VCIP135	100.37	2.54	134503	3	0.02001604	2.29048267	0.072520039	4.0516615e-74	5.626389e-124	0.028292771
Q5XIG8	Strap	Serine-threonine kinase receptor-associated protein	524.02	46.57	38456	8	0.02005119	2.11047004	0.072555315	8.9636001e-74	1.545556e-123	0.028306533
P11240	Cox5a	Cytochrome c oxidase subunit 5A, mitochondrial	231.57	16.44	16130	4	0.02017298	1.41123881	0.072903622	1.979733e-73	4.2386284e-123	0.028442421
P49718	Mcm5	DNA replication licensing factor MCM5	1088.75	30.97	82343	22	0.02021719	1.35439576	0.072971033	4.3652097e-73	1.1586221e-122	0.028468721
P51807	Dynl1	Dynein light chain Tctex-type 1	61.35	15.93	12483	1	0.0203321	7.64231856	0.073216971	9.608984e-73	3.1613557e-122	0.02856467

Q9QZQ8	H2afy	Core histone macro-H2A.1	453.21	32.53	39735	7	0.02033662	0.63916085	0.073216971	2.1116562e-72	8.5989936e-122	0.02856467
P08030	Aprt	Adenine phosphoribosyltransferase	923.16	78.89	19724	14	0.02040937	1.85381064	0.07338633	4.6327817e-72	2.3364776e-121	0.028630743
Q60749	Khdrbs1	KH domain-containing, RNA-binding, signal transduction-associated protein 1	141.85	16.48	48371	4	0.02063174	0.6938005	0.074092604	1.0146888e-71	6.3338025e-121	0.028906287
Q9CQX2	Cyb5b	Cytochrome b5 type B	95.89	15.75	16318	2	0.02075421	0.47104351	0.074420771	2.2186859e-71	1.7083044e-120	0.029034318
P54726	Rad23a	UV excision repair protein RAD23 homolog A	282.73	20.66	39706	4	0.02078726	2.10686412	0.074420771	4.8431755e-71	4.5927677e-120	0.029034318
B0BN72	Mcrip1	Mapk-regulated corepressor-interacting protein 1	49.34	11.34	11101	1	0.02080132	2.98865037	0.074420771	1.0554448e-70	1.2328281e-119	0.029034318
Q9D051	Pdhb	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial	542.36	25.07	38937	8	0.0208454	1.22011726	0.074485117	2.2962084e-70	3.3052067e-119	0.029059421
Q99MD9	Nasp	Nuclear autoantigenic sperm protein	531.58	14.88	83954	7	0.02105134	1.63055917	0.075068346	4.9872026e-70	8.8455893e-119	0.02928696
Q9CWK3	Cd2bp2	CD2 antigen cytoplasmic tail-binding protein 2	89.39	7.02	37694	2	0.02106895	0.71399831	0.075068346	1.0813647e-69	2.35629e-118	0.02928696
Q3TCN2	Pldb2	Putative phospholipase B-like 2	104.71	4.55	66289	2	0.0210875	2.15194453	0.075068346	2.3407569e-69	6.2686524e-118	0.02928696
Q9JKB1	Uchl3	Ubiquitin carboxyl-terminal hydrolase isozyme L3	170.06	15.65	26152	3	0.02115805	1.99235708	0.075225691	5.0583503e-69	1.6655409e-117	0.029348347
Q8R050	Gspt1	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A	416.34	21.7	68625	9	0.02168708	1.36202467	0.077002986	1.0912631e-68	4.415415e-117	0.030041736
Q3UMB9	Washc4	WASH complex subunit 4	106.43	1.11	136370	2	0.02172397	3.52350083	0.077002986	2.3502684e-68	1.1586606e-116	0.030041736
Q4KLF8	Arpc5	Actin-related protein 2/3 complex subunit 5	252.9	16.56	16320	3	0.02174808	1.34287018	0.077002986	5.0532691e-68	3.0356481e-116	0.030041736
Q9DCL9	Paics	Multifunctional protein ADE2	593.84	32.71	47006	12	0.0217679	1.61987506	0.077002986	1.0846605e-67	7.9424126e-116	0.030041736
Q6P8X1	Snx6	Sorting nexin-6	187.77	15.02	46649	4	0.02179279	2.64103636	0.077002986	2.3242412e-67	2.0753478e-115	0.030041736
P70202	Lxn	Latexin	127.05	9.46	25492	2	0.02184047	1.99527551	0.07707607	4.972033e-67	5.4153751e-115	0.030070248
P01900	H2-D1	H-2 class I histocompatibility antigen, D-D alpha chain	494.02	31.23	41110	10	0.02204534	1.29223611	0.077610214	1.061822e-66	1.4105763e-114	0.030278638
Q9R0Q9	Mpdu1	Mannose-P-dolichol utilization defect 1 protein	113.79	10.12	26498	2	0.02204619	2.17943983	0.077610214	2.2637782e-66	3.6579861e-114	0.030278638
P26450	Pik3r1	Phosphatidylinositol 3-kinase regulatory subunit alpha	48.96	1.66	83517	1	0.02208042	2.43028405	0.077634984	4.8181458e-66	9.4769019e-114	0.030288302
Q64522	Hist2h2ab	Histone H2A type 2-B	594.15	57.69	14013	7	0.02214729	0.15431597	0.077774294	1.0237393e-65	2.4514617e-113	0.030342652
Q62348	Tsn	Translin	380.23	31.14	26201	7	0.0222828	1.71803743	0.078154054	2.1715094e-65	6.3282173e-113	0.03049081
Q8R5A6	Tbc1d22a	TBC1 domain family member 22A	40.01	1.55	59362	1	0.02233927	3.29630895	0.078255982	4.5982906e-65	1.6283283e-112	0.030530576
O54940	Bnip2	BCL2/adenovirus E1B 19 kDa protein-interacting protein 2	69.71	7.67	37769	2	0.02238415	1.91530514	0.07831708	9.7205972e-65	4.181973e-112	0.030554413
P70290	Mpp1	55 kDa erythrocyte membrane protein	264.75	13.73	52227	5	0.02243023	1.86847418	0.078382259	2.0514022e-64	1.0722187e-111	0.030579842
P47226	Tes	Testin	271.22	15.13	47983	5	0.02250303	1.59449903	0.078540529	4.3218479e-64	2.7443558e-111	0.030641589
O54950	Prkg1	5'-AMP-activated protein kinase subunit gamma-1	155.82	13.33	37520	3	0.02267605	2.02648124	0.079028904	9.0896766e-64	7.0091151e-111	0.030832122
P18654	Rps6ka3	Ribosomal protein S6 kinase alpha-3	78.01	2.57	83694	2	0.02269832	2.04322164	0.079028904	1.9084779e-63	1.7833941e-110	0.030832122
P13084	Npm1	Nucleophosmin	1367.38	54.45	32560	20	0.02272755	0.70893111	0.079034309	4.0002311e-63	4.5316895e-110	0.030834231
Q63623	Scaf8	Protein SCAF8	74.72	0.95	139504	1	0.02278359	1.99302656	0.079132775	8.3703137e-63	1.1498797e-109	0.030872646
O09044	Snap23	Synaptosomal-associated protein 23	61.12	6.67	23261	1	0.02286721	1.91126916	0.07918377	1.7484635e-62	2.9123044e-109	0.030892541
Q4FZY0	Efh2	EF-hand domain-containing protein D2	1133.68	59	26759	18	0.02286848	1.60812696	0.07918377	3.6461039e-62	7.3590661e-109	0.030892541
Q9JLI8	Sart3	Squamous cell carcinoma antigen recognized by T-cells 3	366.2	9.88	109619	7	0.02288147	1.81526031	0.07918377	7.5902944e-62	1.8577334e-108	0.030892541
Q03265	Atp5f1a	ATP synthase subunit alpha, mitochondrial	2770.93	62.39	59753	40	0.023085	0.79802334	0.079791373	1.5774107e-61	4.6842114e-108	0.031129589
Q8CI33	Cwf1911	CWF19-like protein 1	80.37	5.4	60193	2	0.02319798	2.53810028	0.080084912	3.2725555e-61	1.1761693e-107	0.03124411
P28867	Prked	Protein kinase C delta type	295.61	10.53	77547	6	0.02323535	1.7558747	0.080117048	6.7777375e-61	2.9452032e-107	0.031256647
O89110	Casp8	Caspase-8	116.36	4.38	55357	2	0.02348823	3.24856085	0.080891305	1.4013204e-60	7.3636115e-107	0.031558714
P31786	Dbi	Acyl-CoA-binding protein	83.72	32.18	10000	2	0.0236376	1.67326236	0.081307649	2.8923083e-60	1.8320763e-106	0.031721145
Q7TQH0	Atxn2l	Ataxin-2-like protein	476.95	12.2	110649	9	0.02367249	1.68172305	0.081329676	5.9594422e-60	4.5434384e-106	0.031729739
Q8R127	Scepdh	Saccharopine dehydrogenase-like oxidoreductase	189.76	13.75	47129	4	0.02376021	1.88335971	0.081532945	1.2258011e-59	1.1250753e-105	0.031809042
Q0P5W1	Vps8	Vacuolar protein sorting-associated protein 8 homolog	37.15	0.49	161146	1	0.02395222	2.12453747	0.082093158	2.517023e-59	2.7796154e-105	0.032027602

O70404	Vamp8	Vesicle-associated membrane protein 8	70.24	16.83	11451	2	0.02411946	1.38383685	0.082567206	5.1594882e-59	6.8408879e-105	0.032212545
Q9ESX5	Dkc1	H/ACA ribonucleoprotein complex subunit DKC1	849.71	35.76	57402	16	0.02420669	0.52563732	0.08276657	1.0557906e-58	1.6777963e-104	0.032290325
O88902	Ptpn23	Tyrosine-protein phosphatase non-receptor type 23	87.02	1.73	163454	2	0.02444372	3.3556974	0.083477054	2.1567515e-58	4.1057433e-104	0.032567511
Q8JZN5	Acad9	Acyl-CoA dehydrogenase family member 9, mitochondrial	411.4	13.6	68722	8	0.02447541	1.69731438	0.083485428	4.3981804e-58	1.0002579e-103	0.032570778
P0C0A2	Vps36	Vacuolar protein-sorting-associated protein 36	173.53	11.14	43718	4	0.02453385	2.09247278	0.08355716	8.9535659e-58	2.4334558e-103	0.032598763
Q8R3C0	Mcmbp	Mini-chromosome maintenance complex-binding protein	370.98	17.45	72891	7	0.02455498	1.76461179	0.08355716	1.819569e-57	5.9091679e-103	0.032598763
Q6P6U0	Fgr	Tyrosine-protein kinase Fgr	82.48	2.9	58821	2	0.02459005	1.76626811	0.083576888	3.6913905e-57	1.4332349e-102	0.03260646
Q8BP40	Acp6	Lysophosphatidic acid phosphatase type 6	274.33	20.33	47625	6	0.02465363	1.64330606	0.08358021	7.4758372e-57	3.4711885e-102	0.032607756
Q9QYR9	Acot2	Acyl-coenzyme A thioesterase 2, mitochondrial	199.17	11.48	49657	4	0.02467854	1.62563695	0.08358021	1.5113934e-56	8.3912949e-102	0.032607756
O08583	Alyref	THO complex subunit 4	441.15	47.06	26940	6	0.02467885	0.70762516	0.08358021	3.0502994e-56	2.0258813e-101	0.032607756
Q9CRB9	Chchd3	MICOS complex subunit Mic19	349.08	19.82	26335	6	0.02477653	0.73182971	0.083694544	6.1454564e-56	4.8863809e-101	0.032652362
Q8BH43	Wasf2	Wiskott-Aldrich syndrome protein family member 2	243.43	10.66	54074	4	0.02479965	1.64335568	0.083694544	1.2359815e-55	1.1758128e-100	0.032652362
Q9D2Y4	Mlk1	Mixed lineage kinase domain-like protein	67.31	2.97	54317	1	0.02480055	1.85679304	0.083694544	2.4815062e-55	2.8257531e-100	0.032652362
P80318	Cct3	T-complex protein 1 subunit gamma	1368.41	40.92	60630	24	0.02494954	1.602542	0.083991984	4.9735191e-55	6.7844277e-100	0.032768404
P56383	Atp5mc2	ATP synthase F(0) complex subunit C2, mitochondrial	220.62	26.03	15476	2	0.02495472	0.03492645	0.083991984	9.9507693e-55	1.6238873e-99	0.032768404
Q9D967	Mdp1	Magnesium-dependent phosphatase 1	67.25	14.02	18582	1	0.02503039	6.32807386	0.083991984	1.9874372e-54	3.8828906e-99	0.032768404
Q68FR7	Ltv1	Protein LTV1 homolog	57.63	2.55	53562	1	0.02503165	3.09972878	0.083991984	3.9625382e-54	9.2656536e-99	0.032768404
Q62384	Zpr1	Zinc finger protein ZPR1	148.03	7.63	50715	3	0.02504749	1.55288962	0.083991984	7.8867168e-54	2.208903e-98	0.032768404
O08730	Gyg1	Glycogenin-1	50.71	3	37378	1	0.02506521	2.46067477	0.083991984	1.5669718e-53	5.259766e-98	0.032768404
P60517	Gabarap	Gamma-aminobutyric acid receptor-associated protein	186.83	21.37	13918	3	0.02510424	1.84957362	0.08402416	3.1079049e-53	1.2509305e-97	0.032780957
Q9Z204	Hnrmpc	Heterogeneous nuclear ribonucleoproteins C1/C2	786.93	37.7	34385	12	0.02524308	0.68455267	0.084389931	6.1534015e-53	2.9706135e-97	0.032923658
Q9JL35	Hmgn5	High mobility group nucleosome-binding domain-containing protein 5	149.55	10.1	45344	4	0.02527542	0.50740918	0.08439707	1.216195e-52	7.0339581e-97	0.032926444
Q8CFE2	Hpf1	Histone PARylation factor 1	112.24	7.8	39291	2	0.02530434	2.072533	0.08439707	2.3995566e-52	1.6631932e-96	0.032926444
Q9D0G0	Mrps30	28S ribosomal protein S30, mitochondrial	146.17	7.69	49939	3	0.02544097	0.61952284	0.084706249	4.7260471e-52	3.9273114e-96	0.033047066
P80316	Cct5	T-complex protein 1 subunit epsilon	1538.34	51.2	59624	25	0.02545638	1.56915029	0.084706249	9.2918837e-52	9.2472199e-96	0.033047066
P62715	Ppp2cb	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	493.98	33.33	35575	9	0.02554984	1.71768905	0.084832536	1.8236755e-51	2.1747994e-95	0.033096335
Q8K2T1	Nmral1	NmrA-like family domain-containing protein 1	111.05	7.77	34376	3	0.02557357	2.31253356	0.084832536	3.5729659e-51	5.1033319e-95	0.033096335
Q8VDV3	Rab3il1	Guanine nucleotide exchange factor for Rab-3A	173.82	8.09	42713	2	0.02560533	1.89937402	0.084832536	6.9879064e-51	1.1959997e-94	0.033096335
Q3UW53	Fam129a	Protein Niban	859.21	21.6	102649	18	0.02561319	1.29952012	0.084832536	1.364274e-50	2.7990004e-94	0.033096335
Q8R2E9	Ero1b	ERO1-like protein beta	223.18	8.99	53518	4	0.02575067	2.36895812	0.085134393	2.6588378e-50	6.5435044e-94	0.033214101
O70194	Eif3d	Eukaryotic translation initiation factor 3 subunit D	987.19	39.42	63989	16	0.02576396	1.59469095	0.085134393	5.172699e-50	1.525421e-93	0.033214101
Q6AYH5	Dctn2	Dynactin subunit 2	166.19	8.21	44148	3	0.02587724	4.18954422	0.085355073	1.0045628e-49	3.5519995e-93	0.033300196
P54775	Psmc4	26S proteasome regulatory subunit 6B	397.47	23.92	47408	8	0.02589231	1.32897337	0.085355073	1.9474706e-49	8.2504117e-93	0.033300196
Q60864	Stip1	Stress-induced-phosphoprotein 1	1023.65	37.57	62582	19	0.02592044	1.57235119	0.085355073	3.7687564e-49	1.9141324e-92	0.033300196
Q63468	Prpsap1	Phosphoribosyl pyrophosphate synthase-associated protein 1	397.12	25.84	39436	7	0.02607853	1.80693771	0.085776731	7.2804452e-49	4.4349161e-92	0.033464701
Q6DGG1	Abhd14b	Protein ABHD14B	72.93	10	22618	2	0.02615834	3.04490544	0.085940228	1.4039445e-48	1.0243903e-91	0.033528487
Q9CR59	Gadd45gip1	Growth arrest and DNA damage-inducible proteins-interacting protein 1 1	51.98	4.05	25820	1	0.02625971	1.64051839	0.08617412	2.7025482e-48	2.3613919e-91	0.033619737
P45952	Acadm	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial	522.56	31.12	46481	11	0.02634563	1.44040644	0.086356799	5.193114e-48	5.430905e-91	0.033691007
P04692	Tpm1	Tropomyosin alpha-1 chain	379.17	16.9	32681	7	0.02640114	2.43778701	0.086439517	9.961221e-48	1.2464329e-90	0.033723278

Q8R1B4	Eif3c	Eukaryotic translation initiation factor 3 subunit C	910.54	18.22	105531	16	0.02649007	1.49482651	0.086561235	1.907335e-47	2.8558303e-90	0.033770765
Q99K23	Ufsp2	Ufm1-specific protease 2	168.22	8.24	52515	4	0.02649896	1.99203217	0.086561235	3.6456121e-47	6.5294274e-90	0.033770765
Q99KP3	Cry11	Lambda-crystallin homolog	78.16	5.64	35209	1	0.02661056	3.030139	0.086826455	6.9557248e-47	1.4912439e-89	0.033874237
O35955	Psmb10	Proteasome subunit beta type-10	329.37	28.57	29063	5	0.02669771	0.76397497	0.087011363	1.3247751e-46	3.3976366e-89	0.033946377
P49615	Cdk5	Cyclin-dependent-like kinase 5	85.69	5.14	33288	2	0.02673236	2.28012899	0.087024947	2.5186578e-46	7.7250217e-89	0.033951676
P0CC09	Hist2h2aa3	Histone H2A type 2-A 3	783.08	58.46	14095	9	0.02677283	0.23753055	0.08705743	4.7799437e-46	1.7539225e-88	0.033964349
Q9CPQ1	Cox6c	Cytochrome c oxidase subunit 6C	148.04	48.68	8469	3	0.02699581	1.51952271	0.087682625	9.0552903e-46	3.9762768e-88	0.034208261
Q9DBH5	Lman2	Vesicular integral-membrane protein VIP36	239.28	20.67	40430	5	0.02705431	1.67948783	0.087772778	1.7124083e-45	8.9803806e-88	0.034243433
C0HKD8	Mfap1a	Microfibrillar-associated protein 1A	146.5	9.57	51954	3	0.02727233	0.47624901	0.088382834	3.2324887e-45	2.0247629e-87	0.034481439
P21107	Tpm3	Tropomyosin alpha-3 chain	568.34	22.46	32994	10	0.02733401	1.98969991	0.088479142	6.091031e-45	4.5482551e-87	0.034519012
Q80TY0	Fnbp1	Formin-binding protein 1	434.16	17.05	71344	8	0.02739869	2.53916906	0.088588079	1.1456925e-44	1.0199306e-86	0.034561512
Q9CQH3	Ndufb5	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 5, mitochondrial	66.67	5.82	21710	1	0.02747094	1.99035374	0.08867058	2.1511377e-44	2.2831321e-86	0.034593699
Q569Z6	Thrap3	Thyroid hormone receptor-associated protein 3	312.61	9.25	108178	6	0.02748633	0.52883361	0.08867058	4.0317217e-44	5.1013684e-86	0.034593699
Q5XJY5	Arcn1	Coatomer subunit delta	892.83	36.01	57229	18	0.02753361	1.50215053	0.08872285	7.5428326e-44	1.138524e-85	0.034614092
Q80W54	Zmpste24	CAAX prenyl protease 1 homolog	109.11	7.37	54735	3	0.02756925	1.80146834	0.088728771	1.4086378e-43	2.5370371e-85	0.034616401
P28740	Kif2a	Kinesin-like protein KIF2A	116.47	3.4	79756	2	0.02761306	2.45429703	0.088728771	2.6259382e-43	5.6455029e-85	0.034616401
Q8BL97	Srsf7	Serine/arginine-rich splicing factor 7	374.51	22.1	30818	8	0.02762868	0.5454023	0.088728771	4.8864037e-43	1.2543715e-84	0.034616401
Q9CPQ8	Atp5mg	ATP synthase subunit g, mitochondrial	227	33.01	11425	4	0.0276785	1.62758949	0.088758205	9.0763913e-43	2.7838538e-84	0.034627885
P43247	Msh2	DNA mismatch repair protein Msh2	690.67	13.48	104151	11	0.02770002	1.69006561	0.088758205	1.682889e-42	6.1685392e-84	0.034627885
P97834	Gps1	COP9 signalosome complex subunit 1	267.39	15.07	53428	6	0.02776538	1.66369159	0.08886788	3.1146945e-42	1.3651576e-83	0.034670673
Q4KM73	Cmpk1	UMP-CMP kinase	380.87	47.45	22169	8	0.02787168	1.43788524	0.089022113	5.7543004e-42	3.0159043e-83	0.034730845
P35279	Rab6a	Ras-related protein Rab-6A	581.69	35.58	23590	10	0.02788064	1.45661079	0.089022113	1.0611727e-41	6.6477432e-83	0.034730845
O35382	Exoc4	Exocyst complex component 4	109.49	3.38	110545	2	0.02791135	2.24808361	0.089022113	1.9534188e-41	1.4637307e-82	0.034730845
Q4QQR9	Memo1	Protein MEMO1	49.26	4.71	33679	1	0.02793829	2.69034494	0.089022113	3.5893831e-41	3.2185813e-82	0.034730845
Q9R1T4	Sept6	Septin-6	97.89	6.22	49620	3	0.02803327	2.47040071	0.089223352	6.583529e-41	7.0681102e-82	0.034809356
Q61543	Glg1	Golgi apparatus protein 1	951.04	17.45	133734	16	0.02830048	1.17886713	0.089932732	1.2053454e-40	1.5489214e-81	0.035086112
P53996	Cnbp	Cellular nucleic acid-binding protein	330.92	43.26	19592	6	0.02834141	1.49134195	0.089932732	2.2028121e-40	3.3803342e-81	0.035086112
P98078	Dab2	Disabled homolog 2	1050.78	29.63	82312	15	0.02835007	1.513779	0.089932732	4.0184253e-40	7.3664592e-81	0.035086112
P97930	Dtymk	Thymidylate kinase	129.43	16.04	23915	3	0.02853903	2.63740429	0.090431661	7.3172215e-40	1.6035784e-80	0.035280762
Q8CE96	Trmt6	tRNA (adenine(58)-N(1))-methyltransferase non-catalytic subunit TRM6	64.97	3.62	55518	1	0.02876752	3.03989515	0.091054622	1.3299879e-39	3.4797137e-80	0.035523803
Q9Z1D1	Eif3g	Eukaryotic translation initiation factor 3 subunit G	286.33	14.69	35638	5	0.02892087	1.65160598	0.09143862	2.4130131e-39	7.5236884e-80	0.035673615
Q9EPL8	Ipo7	Importin-7	346.48	5.39	119486	5	0.02901933	2.06970152	0.091648434	4.370001e-39	1.6223181e-79	0.035755471
Q9Z2W0	Dnpep	Aspartyl aminopeptidase	418.5	23.68	52207	8	0.02914307	1.93444471	0.091827676	7.899736e-39	3.4908821e-79	0.0358254
O55126	Nipsnap2	Protein NipSnap homolog 2	74.39	9.25	32933	2	0.02915366	1.8834629	0.091827676	1.4254505e-38	7.4938842e-79	0.0358254
Q8C0C7	Farsa	Phenylalanine--tRNA ligase alpha subunit	426.86	15.94	57599	9	0.02917258	1.60787486	0.091827676	2.5674354e-38	1.606968e-78	0.0358254
P46462	Vcp	Transitional endoplasmic reticulum ATPase	2920.47	60.79	89349	46	0.02923559	1.56080871	0.091924665	4.6158754e-38	3.4418691e-78	0.035863239
O35459	Ech1	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial	213.73	10.4	36118	3	0.02929722	1.29278301	0.092017112	8.2835238e-38	7.3595818e-78	0.035899306
Q9JJ28	Flii	Protein flightless-1 homolog	579.02	10.46	144803	11	0.02939512	1.41215061	0.092152338	1.4838226e-37	1.5710537e-77	0.035952063
Q8BJ71	Nup93	Nuclear pore complex protein Nup93	489.85	12.7	93281	10	0.0294241	1.5971349	0.092152338	2.6531021e-37	3.3468315e-77	0.035952063
Q8BGD9	Eif4b	Eukaryotic translation initiation factor 4B	620.45	20.79	68840	10	0.02944078	1.27314858	0.092152338	4.7351134e-37	7.1205715e-77	0.035952063
Q09014	Ncf1	Neutrophil cytosol factor 1	306.56	13.85	44667	4	0.02946938	1.44938631	0.092152338	8.4354952e-37	1.5131869e-76	0.035952063
P28352	Apex1	DNA-(apurinic or apyrimidinic site) lyase	455.02	35.33	35490	7	0.02956896	1.34403452	0.092362573	1.5000089e-36	3.2115084e-76	0.036034083
P70315	Was	Wiskott-Aldrich syndrome protein homolog	155.03	13.08	54192	3	0.02972752	1.89485362	0.092756368	2.662438e-36	6.8018243e-76	0.036187717
Q8C0E2	Vps26b	Vacuolar protein sorting-associated protein 26B	159.01	9.23	39125	3	0.02985381	1.90740554	0.092962277	4.7170107e-36	1.4366959e-75	0.03626805
Q62625	Map1lc3b	Microtubule-associated proteins 1A/1B light chain 3B	59.17	9.86	16394	2	0.02985878	2.03107769	0.092962277	8.3417127e-36	3.027507e-75	0.03626805

P05964	S100a6	Protein S100-A6	256.42	40.45	10035	4	0.0298912	1.7135163	0.092962277	1.4724613e-35	6.3732156e-75	0.03626805
Q99K01	Pdxdc1	Pyridoxal-dependent decarboxylase domain-containing protein 1	76.39	2.8	87335	2	0.02999661	2.90676381	0.093188606	2.5943717e-35	1.3398479e-74	0.03635635
P57716	Nestn	Nicastrin	165.31	6.36	78492	4	0.03003056	0.5977614	0.093192675	4.5626737e-35	2.8108321e-74	0.036357937
Q9CR95	Necap1	Adaptin ear-binding coat-associated protein 1	132.55	17.45	29639	2	0.03013629	1.96537292	0.093328178	8.0094896e-35	5.8888593e-74	0.036410802
Q5U211	Snx3	Sorting nexin-3	327.21	52.47	18762	6	0.03013961	1.43317384	0.093328178	1.4034204e-34	1.231152e-73	0.036410802
Q8BFQ8	Gatd1	Glutamine amidotransferase-like class 1 domain-containing protein 1	117.08	10.45	23277	2	0.03049839	1.95600172	0.094336837	2.4545256e-34	2.5712898e-73	0.036804317
O35326	Srsf5	Serine/arginine-rich splicing factor 5	196.89	14.5	30891	4	0.03062226	0.67863118	0.09455355	4.2849271e-34	5.3446506e-73	0.036888865
Q8VD75	Hip1	Huntingtin-interacting protein 1	62.6	1.65	115202	1	0.03063469	4.19969695	0.09455355	7.4664596e-34	1.108414e-72	0.036888865
Q99L04	Dhrs1	Dehydrogenase/reductase SDR family member 1	287.44	28.12	34005	6	0.03069634	1.56323738	0.094626897	1.2986158e-33	2.2961784e-72	0.036917481
Q9JK81	Myg1	UPF0160 protein MYG1, mitochondrial	436.13	21.32	42723	7	0.03072474	1.67905327	0.094626897	2.2544502e-33	4.7490551e-72	0.036917481
Q8R5A3	Apbb1ip	Amyloid beta A4 precursor protein-binding family B member 1-interacting protein	68.3	5.07	74319	2	0.03086109	3.78145633	0.094944412	3.9065545e-33	9.8097224e-72	0.037041355
Q3TIV5	Zc3h15	Zinc finger CCCH domain-containing protein 15	188.14	8.22	48327	3	0.03092117	1.60340225	0.095026855	6.7567783e-33	2.0214847e-71	0.037073519
Q9DBB8	Dhdh	Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase	57.41	3.6	36301	1	0.03095805	2.53325757	0.095037898	1.16648e-32	4.1590277e-71	0.037077827
Q8BGH2	Samm50	Sorting and assembly machinery component 50 homolog	636.53	35.18	51864	13	0.03099964	1.50254686	0.095063356	2.0100462e-32	8.5452393e-71	0.03708776
Q8K2C9	Hacd3	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3	39.76	2.21	43131	1	0.03103817	1.9784E-06	0.095079386	3.4572054e-32	1.7532609e-70	0.037094013
Q6NV83	U2surp	U2 snRNP-associated SURP motif-containing protein	284.9	6.9	118261	7	0.03113387	1.40876739	0.095270319	5.9351815e-32	3.5922961e-70	0.037168504
Q61390	Cct6b	T-complex protein 1 subunit zeta-2	295.82	13.75	58185	7	0.03118866	1.49573849	0.095325077	1.0170253e-31	7.3459712e-70	0.037189867
Q5DQR4	Stxbp5l	Syntaxin-binding protein 5-like	39.04	0.93	131844	1	0.03121855	1.92836955	0.095325077	1.7394733e-31	1.4998882e-69	0.037189867
P18665	Mrpl3	39S ribosomal protein L3, mitochondrial	51.24	2.02	38253	1	0.0315131	2.95230005	0.09612169	2.9695543e-31	3.0585119e-69	0.037500655
P39749	Fen1	Flap endonuclease 1	554.75	21.43	42315	9	0.03165576	1.41058337	0.09645379	5.0600119e-31	6.2123221e-69	0.03763022
Q8R1S4	Mtss1	Metastasis suppressor protein 1	241.07	8.83	82408	5	0.03179857	1.85792331	0.096785634	8.6059306e-31	1.2588029e-68	0.037759684
Q4V7A6	Phf10	PHD finger protein 10	39.26	2.41	55884	1	0.03185501	2.99353673	0.096804326	1.4609301e-30	2.5446331e-68	0.037766977
Q9D8N0	Eef1g	Elongation factor 1-gamma	1473.49	69.57	50061	24	0.03189915	1.34002173	0.096804326	2.4754013e-30	5.1360315e-68	0.037766977
Q8QZZ7	Tprkb	EKC/KEOPS complex subunit Tprkb	127.57	10.29	19556	2	0.03190643	2.66133625	0.096804326	4.186447e-30	1.0351844e-67	0.037766977
Q62825	Exoc3	Exocyst complex component 3	39.4	1.46	86497	1	0.03223375	1.89177819	0.097693575	7.0668957e-30	2.0842562e-67	0.038113906
Q9EPB4	Pycard	Apoptosis-associated speck-like protein containing a CARD	168.67	25.39	21459	3	0.03232989	1.98337564	0.097872118	1.1906774e-29	4.1790805e-67	0.038183562
Q9D7X3	Dusp3	Dual specificity protein phosphatase 3	600.66	59.46	20472	10	0.03236122	1.52825599	0.097872118	2.0023553e-29	8.3634487e-67	0.038183562
Q99K85	Psat1	Phosphoserine aminotransferase	1514.64	60.27	40473	25	0.03240678	1.71207157	0.097906209	3.3610039e-29	1.6716139e-66	0.038196862
Q3ULJ0	Gpd1l	Glycerol-3-phosphate dehydrogenase 1-like protein	152.89	10.54	38226	3	0.03245336	1.82724	0.097943281	5.6308896e-29	3.3363603e-66	0.038211325
Q8K298	Anln	Anillin	413.93	10.17	122794	7	0.03257044	1.69697771	0.098054939	9.4159548e-29	6.649547e-66	0.038254888
Q9D8B3	Chmp4b	Charged multivesicular body protein 4b	299.1	21.43	24936	4	0.03258381	1.56955104	0.098054939	1.5715577e-28	1.322523e-65	0.038254888
P97371	Psme1	Proteasome activator complex subunit 1	295.29	24.9	28673	5	0.03262202	3.19165899	0.098054939	2.6180271e-28	2.6274462e-65	0.038254888
A2BDX3	Mocs3	Adenylyltransferase and sulfurtransferase MOCS3	100.13	5.65	49375	3	0.03262774	2.01815533	0.098054939	4.3530639e-28	5.2129221e-65	0.038254888
Q6PFR5	Tra2a	Transformer-2 protein homolog alpha	175.87	11.39	32316	3	0.03268065	0.51124908	0.098110666	7.2242422e-28	1.0331841e-64	0.038276628
Q9QY17	Pacsin2	Protein kinase C and casein kinase substrate in neurons 2 protein	164.27	8.4	55978	4	0.03278299	2.65403605	0.098314523	1.1966444e-27	2.0447016e-64	0.038356161
Q8R5J9	Arl6ip5	PRA1 family protein 3	78.42	19.68	21558	2	0.03296697	2.0875106	0.09857753	1.978394e-27	4.038664e-64	0.03845877
P28271	Aco1	Cytoplasmic aconitate hydratase	242.46	7.76	98126	5	0.03298348	1.75288802	0.09857753	3.2646339e-27	7.956282e-64	0.03845877
P59325	Eif5	Eukaryotic translation initiation factor 5	385.12	19.35	48968	8	0.03302956	1.63705667	0.09857753	5.3768695e-27	1.5653692e-63	0.03845877
P45376	Akr1b1	Aldose reductase	1012.93	50.32	35732	18	0.03303845	1.69751621	0.09857753	8.8388757e-27	3.0757104e-63	0.03845877
Q9DAR7	Dcps	m7GpppX diphosphatase	448.69	35.5	38988	9	0.03304333	1.95285444	0.09857753	1.4502281e-26	6.0368266e-63	0.03845877

P40142	Tkt	Transketolase	2339.46	60.51	67630	35	0.03312203	1.55656044	0.098709186	2.3749069e-26	1.1836448e-62	0.038510134
Q6MG61	Clic1	Chloride intracellular channel protein 1	1265.48	61.41	26981	19	0.03330939	1.5954734	0.099164034	3.8817456e-26	2.3168026e-62	0.038687587
Q5SF07	Igf2bp2	Insulin-like growth factor 2 mRNA-binding protein 2	167.13	5.74	65584	4	0.03346174	1.56202421	0.099513814	6.3325262e-26	4.5225556e-62	0.038824049
Q8C0L6	Paox	Peroxisomal N(1)-acetyl-spermine/spermidine oxidase	82.37	3.17	55447	1	0.03364952	2.5670389	0.099826483	1.0310876e-25	8.8074373e-62	0.038946033
Q91XD7	Creld1	Cysteine-rich with EGF-like domain protein 1	54.31	2.62	45718	1	0.03369594	6.71837951	0.099826483	1.6756451e-25	1.7106163e-61	0.038946033
Q9DAA6	Exosc1	Exosome complex component CSL4	37.13	5.64	21424	1	0.0337399	2.30208604	0.099826483	2.7179135e-25	3.3177684e-61	0.038946033
Q9JK91	Mlh1	DNA mismatch repair protein Mlh1	40.28	1.05	84670	1	0.03374073	3.18003247	0.099826483	4.4000289e-25	6.4259796e-61	0.038946033
Q9JIY5	Htra2	Serine protease HTRA2, mitochondrial	173.32	17.47	49348	4	0.0337417	1.73349812	0.099826483	7.1095311e-25	1.2433644e-60	0.038946033
Q6P9P6	Kif11	Kinesin-like protein KIF11	112.39	3.99	118027	3	0.03385794	1.92335581	0.10006669	1.1465451e-24	2.4033748e-60	0.039039746
P08905	Lyz2	Lysozyme C-2	288.13	31.76	16689	3	0.03393092	1.57482452	0.10017867	1.8454628e-24	4.63262306e-60	0.039083434
P35276	Rab3d	Ras-related protein Rab-3D	254.56	17.81	24416	4	0.03408198	1.53232201	0.10041668	2.9647128e-24	8.9288689e-60	0.039176291
Q6P9R2	Oxsr1	Serine/threonine-protein kinase OSR1	41.43	1.52	58214	1	0.03410695	1.99127624	0.10041668	4.7535968e-24	1.7156159e-59	0.039176291
Q9CR51	Atp6v1g1	V-type proton ATPase subunit G 1	237.23	36.44	13724	3	0.03411705	1.36159699	0.10041668	7.6071792e-24	3.2924267e-59	0.039176291
P61222	Abce1	ATP-binding cassette sub-family E member 1	1040.79	34.89	67314	16	0.0344203	1.67962367	0.1010968	1.2150265e-23	6.3116075e-59	0.039441631
Q8K411	Pitrm1	Presequence protease, mitochondrial	253.68	9.46	117372	6	0.03442228	2.09191227	0.1010968	1.9369029e-23	1.2055656e-58	0.039441631
A2A432	Cul4b	Cullin-4B	188.72	3.2	110699	4	0.03445436	1.43655863	0.1010968	3.0816914e-23	2.3003913e-58	0.039441631
Q9CY57	Chtop	Chromatin target of PRMT1 protein	264.65	10.44	26585	3	0.03460368	0.53418231	0.10143071	4.8936042e-23	4.383887e-58	0.0395719
P70460	Vasp	Vasodilator-stimulated phosphoprotein	356.57	20.8	39667	7	0.03474841	1.45818385	0.10165983	7.7557916e-23	8.3354497e-58	0.039661289
F1LQ48	Hnrnp1	Heterogeneous nuclear ribonucleoprotein L	1818.88	60.03	67903	26	0.03475306	0.61432382	0.10165983	1.2268182e-22	1.5813631e-57	0.039661289
Q9DCH4	Eif3f	Eukaryotic translation initiation factor 3 subunit F	516.21	24.93	37984	8	0.0348276	1.39231244	0.10175933	1.9368246e-22	2.9969776e-57	0.03970011
Q6NZQ2	Ddx31	Probable ATP-dependent RNA helicase DDX31	67.29	1.89	76913	1	0.03485931	2.33499103	0.10175933	3.0517963e-22	5.670585e-57	0.03970011
A9UMV8	H2afj	Histone H2A.J	646.79	58.91	14045	8	0.03489401	0.26332684	0.10175933	4.7992699e-22	1.0715721e-56	0.03970011
O35092	Timm17a	Mitochondrial import inner membrane translocase subunit Tim17-A	93.75	29.82	18038	2	0.03505455	0.42592945	0.10212319	7.5326598e-22	2.0223329e-56	0.039842065
Q78PY7	Snd1	Staphylococcal nuclease domain-containing protein 1	2541.63	56.15	102088	42	0.03513285	1.30835456	0.10224699	1.179979e-21	3.8077277e-56	0.039890364
Q9D6Y9	Gbe1	1,4-alpha-glucan-branching enzyme	37.14	1.85	80364	1	0.03524366	2.91185944	0.10246502	1.8448121e-21	7.1574923e-56	0.039975423
Q66HA6	Arl8b	ADP-ribosylation factor-like protein 8B	614.67	67.2	21539	12	0.03531184	1.57869756	0.10255882	2.8785986e-21	1.3428334e-55	0.040012018
Q91WM3	Rrp9	U3 small nucleolar RNA-interacting protein 2	255.29	12.63	52107	6	0.03537476	0.46356213	0.10263715	4.4829138e-21	2.5153796e-55	0.040042577
O88544	Cops4	COP9 signalosome complex subunit 4	427.04	26.11	46285	7	0.03545119	1.73882914	0.10275447	6.967695e-21	4.7046164e-55	0.040088349
Q8VE97	Srsf4	Serine/arginine-rich splicing factor 4	149.19	6.95	55979	3	0.03553438	0.65148786	0.10285441	1.0808528e-20	8.7848967e-55	0.040127339
Q641Z4	Cdk9	Cyclin-dependent kinase 9	87.05	6.45	42762	2	0.03555772	1.87489985	0.10285441	1.6733692e-20	1.6376374e-54	0.040127339
Q9CZY3	Ube2v1	Ubiquitin-conjugating enzyme E2 variant 1	398.85	36.05	16355	7	0.03562241	1.37253271	0.10293723	2.5856159e-20	3.0491486e-54	0.040159653
O70370	Ctss	Cathepsin S	640.11	39.12	38475	8	0.03597166	1.4549338	0.10384135	3.9873324e-20	5.6685695e-54	0.040512383
Q6P7Q1	Babam2	BRISC and BRCA1-A complex member 2	156.94	10.18	43559	3	0.03605698	2.01016288	0.10392794	6.13686e-20	1.0498172e-53	0.040546165
P02262		Histone H2A type 1	644.55	58.46	14077	8	0.03607446	0.26000611	0.10392794	9.4265877e-20	1.9409879e-53	0.040546165
Q64012	Raly	RNA-binding protein Raly	512.55	32.37	33188	9	0.03612064	0.50908117	0.10395607	1.4451286e-19	3.5845526e-53	0.040557139
P13832	Rlc-a	Myosin regulatory light chain RLC-A	199.63	29.07	19895	4	0.03621968	2.33178649	0.10413613	2.2110642e-19	6.6107489e-53	0.040627388
P30999	Ctnnd1	Catenin delta-1	200.81	6.18	104925	5	0.03626734	2.15984194	0.10416826	3.3762782e-19	1.216996e-52	0.040639921
O35142	Copb2	Coatomer subunit beta'	807.7	26.52	102551	15	0.03646716	1.57487994	0.10463693	5.1453662e-19	2.2373118e-52	0.040822768
P39032	Rpl36	60S ribosomal protein L36	155.51	19.05	12268	3	0.03664268	0.69475546	0.105035	7.8259074e-19	4.1024907e-52	0.040978068
Q5M823	Nudcd2	NudC domain-containing protein 2	356.7	43.95	17674	6	0.03673043	1.49592356	0.10518093	1.1879349e-18	7.5048156e-52	0.041035004
Q505F5	Lrrc47	Leucine-rich repeat-containing protein 47	210.41	12.39	63590	5	0.0368914	1.43892369	0.10541549	1.7996549e-18	1.3705706e-51	0.041126513
O70551	Srpk1	SRSF protein kinase 1	288.67	11.27	73088	5	0.03694438	1.39154269	0.10541549	2.7209694e-18	2.4974075e-51	0.041126513
Q922Y1	Ubxn1	UBX domain-containing protein 1	308.68	19.53	33573	5	0.03696548	2.01860216	0.10541549	4.1057743e-18	4.5442781e-51	0.041126513
Q6URK4	Hnrnpa3	Heterogeneous nuclear ribonucleoprotein A3	1382.9	50.66	39652	24	0.03699614	0.67466464	0.10541549	6.1830483e-18	8.2591034e-51	0.041126513
P16045	Lgals1	Galectin-1	590.81	54.07	14866	7	0.03699696	1.76094566	0.10541549	9.2927765e-18	1.4992051e-50	0.041126513

Q8CIN4	Pak2	Serine/threonine-protein kinase PAK 2	936.55	36.45	57930	14	0.03739615	1.62742915	0.10644667	1.3938717e-17	2.7186081e-50	0.041528815
P59999	Arpc4	Actin-related protein 2/3 complex subunit 4	556.58	51.79	19667	9	0.03748189	1.3885504	0.10658446	2.0865736e-17	4.9100845e-50	0.041582572
Q9EPL9	Acox3	Peroxisomal acyl-coenzyme A oxidase 3	253.98	11.71	78404	6	0.03756495	2.27338738	0.10665933	3.1172911e-17	8.8535287e-50	0.041611783
Q9WVA3	Bub3	Mitotic checkpoint protein BUB3	519.29	29.45	36955	9	0.03758294	1.16280411	0.10665933	4.6478586e-17	1.5938169e-49	0.041611783
P62959	Hint1	Histidine triad nucleotide-binding protein 1	189.29	42.06	13777	4	0.03772266	1.96953401	0.10694954	6.9160721e-17	2.8659228e-49	0.041725001
P40124	Cap1	Adenylyl cyclase-associated protein 1	2419.63	70.68	51565	33	0.03778533	1.46494874	0.10698471	1.0270612e-16	5.1428571e-49	0.041738724
Q9CQA1	Trappc5	Trafficking protein particle complex subunit 5	105.25	19.15	20795	3	0.03781001	2.32439099	0.10698471	1.5221675e-16	9.2152261e-49	0.041738724
Q5I0E7	Tmed9	Transmembrane emp24 domain-containing protein 9	314	20	27028	6	0.03796479	1.28257335	0.10719455	2.2514228e-16	1.6492621e-48	0.041820589
O88958	Gnpda1	Glucosamine-6-phosphate isomerase 1	43.28	9.69	32549	1	0.03796751	130176.145	0.10719455	3.3233746e-16	2.9453964e-48	0.041820589
Q9CQ62	Decr1	2,4-dienoyl-CoA reductase, mitochondrial	110.5	9.25	36214	2	0.03799681	1.89381909	0.10719455	4.8958523e-16	5.2547154e-48	0.041820589
Q8BX09	Rbbp5	Retinoblastoma-binding protein 5	134.19	5.58	59098	3	0.03816977	0.76423784	0.10757621	7.1978572e-16	9.3631355e-48	0.041969488
Q8BK72	Mrps27	28S ribosomal protein S27, mitochondrial	146.92	9.16	47779	3	0.03844309	2.15657913	0.10823966	1.0560955e-15	1.6646026e-47	0.042228326
O35127	Grc10	Protein C10	38.07	14.29	13194	1	0.03848278	1.19008198	0.10824466	1.5464196e-15	2.9506032e-47	0.042230277
P68369	Tuba1a	Tubulin alpha-1A chain	2545.34	75.61	50136	37	0.03867877	1.52460803	0.1086546	2.2598251e-15	5.2233496e-47	0.042390209
Q6ZQL4	Wdr43	WD repeat-containing protein 43	573.44	24.82	75381	11	0.03870463	0.54005507	0.1086546	3.2956779e-15	9.224565e-47	0.042390209
Q8VE37	Rcc1	Regulator of chromosome condensation	719.9	32.54	44931	11	0.03905085	0.58031362	0.10951883	4.796631e-15	1.6271376e-46	0.04272738
Q91YU8	Ppan	Suppressor of SWI4 1 homolog	200.54	9.36	52756	4	0.03920366	0.64911872	0.1097604	6.9670444e-15	2.860308e-46	0.042821622
P60521	Gabarapl2	Gamma-aminobutyric acid receptor-associated protein-like 2	179.61	36.75	13667	4	0.03921387	2.22170779	0.1097604	1.0099055e-14	5.017696e-46	0.042821622
P35821	Ptpn1	Tyrosine-protein phosphatase non-receptor type 1	289.01	15.51	49593	5	0.03930394	1.2438258	0.10990476	1.4609383e-14	8.7928175e-46	0.042877944
Q61171	Prdx2	Peroxiredoxin-2	668.63	57.58	21779	11	0.03942907	1.47925573	0.11010948	2.1091194e-14	1.5383125e-45	0.042957812
Q922U1	Prpf3	U4/U6 small nuclear ribonucleoprotein Prp3	179.75	6.15	77455	4	0.03945429	0.72419451	0.11010948	3.0386992e-14	2.686277e-45	0.042957812
Q9D6F9	Tubb4a	Tubulin beta-4A chain	2308.44	71.62	49586	36	0.03966064	1.5635388	0.11055768	4.3690868e-14	4.6853691e-45	0.043132673
Q4V8K2	Ctnnb1	Beta-catenin-like protein 1	89.81	2.84	64948	2	0.03969234	1.48692809	0.11055768	6.2691573e-14	8.152482e-45	0.043132673
Q8R1I1	Uqcr10	Cytochrome b-c1 complex subunit 9	48.11	10.94	7446	1	0.03995045	1.78206292	0.11116817	8.9772294e-14	1.4167868e-44	0.043370848
Q62426	Cstb	Cystatin-B	245.11	66.33	11046	4	0.04003745	1.63253757	0.11130178	1.2828896e-13	2.4554326e-44	0.043422975
Q62167	Ddx3x	ATP-dependent RNA helicase DDX3X	1692.59	47.58	73101	27	0.0403282	1.25286044	0.11200097	1.8295706e-13	4.2487577e-44	0.043695755
Q8BIJ7	Rufy1	RUN and FYVE domain-containing protein 1	112.63	4.92	80376	2	0.04039772	1.7493018	0.1120408	2.6038809e-13	7.3303075e-44	0.043711291
Q5EGY4	Ykt6	Synaptobrevin homolog YKT6	151.14	22.73	22369	3	0.04042102	2.02952281	0.1120408	3.698318e-13	1.2628385e-43	0.043711291
Q91YJ2	Snx4	Sorting nexin-4	51.9	2	51778	1	0.0404853	2.01679753	0.11211013	5.2420083e-13	2.1730537e-43	0.043738341
O54774	Ap3d1	AP-3 complex subunit delta-1	99.76	2.75	135081	2	0.04057704	1.98563121	0.11225529	7.41482e-13	3.7339888e-43	0.043794973
Q810F4	Fam3c	Protein FAM3C	125.28	11.01	24714	2	0.04084438	1.40936965	0.11288549	1.0466756e-12	6.4058683e-43	0.044040837
P60898	Polr2i	DNA-directed RNA polymerase II subunit RPB9	38.02	5.6	14523	1	0.04104141	0.34710532	0.11332033	1.4744543e-12	1.0959578e-42	0.044210486
Q99K48	Nono	Non-POU domain-containing octamer-binding protein	1396.54	55.39	54541	25	0.04139219	0.75819945	0.11417845	2.0727998e-12	1.8707852e-42	0.044545271
Q9ERG0	Lima1	LIM domain and actin-binding protein 1	277.7	10.89	84060	6	0.04149077	1.56584397	0.11433992	2.9079663e-12	3.1830937e-42	0.044608265
Q61464	Znf638	Zinc finger protein 638	65.49	0.66	218134	1	0.04169636	0.19232157	0.11472483	4.071238e-12	5.4071881e-42	0.044758432
Q8R4R6	Nup35	Nucleoporin NUP35	284.53	29.54	34786	6	0.04171081	0.49001616	0.11472483	5.6881083e-12	9.1643114e-42	0.044758432
D2XV59	Gtppb1	GTP-binding protein 1	230.46	10.01	72489	5	0.04183858	1.88486314	0.11496	7.9307196e-12	1.5515171e-41	0.044850183
Q8BH60	Gopc	Golgi-associated PDZ and coiled-coil motif-containing protein	36.83	1.94	50662	1	0.04187685	2.79915149	0.11496	1.1034682e-11	2.6220107e-41	0.044850183
Q9CXW2	Mrps22	28S ribosomal protein S22, mitochondrial	119.39	5.57	41192	2	0.04226864	1.41285381	0.11592408	1.5321762e-11	4.4256378e-41	0.045226305
Q3UQ84	Tars2	Threonine--tRNA ligase, mitochondrial	96.72	2.63	81700	2	0.04232756	1.90073177	0.11597426	2.1230409e-11	7.4445111e-41	0.045245884
Q9WU81	Slc37a2	Glucose-6-phosphate exchanger SLC37A2	280.73	14.37	55073	5	0.04250166	1.38100869	0.11631486	2.9356747e-11	1.2505727e-40	0.045378764
O35309	Nmi	N-myc-interactor	116.7	9.55	35236	2	0.04253335	1.70346164	0.11631486	4.0509468e-11	2.0964779e-40	0.045378764
Q9Z0P5	Twf2	Twinfilin-2	386.7	32.95	39471	7	0.04269537	1.64708903	0.11664621	5.5783189e-11	3.5104033e-40	0.045508036
Q80V11	Trim56	E3 ubiquitin-protein ligase TRIM56	48.54	2.72	79513	1	0.042827	2.94134275	0.11688231	7.6656229e-11	5.8663458e-40	0.045600145
Q5U2Q7	Etf1	Eukaryotic peptide chain release factor subunit 1	304.23	22.43	49031	6	0.04286367	1.34441247	0.11688231	1.0512065e-10	9.7859751e-40	0.045600145

O89001	Cpd	Carboxypeptidase D	87.69	1.6	152406	2	0.0429091	1.81051446	0.11689453	1.4385475e-10	1.6304738e-39	0.045604916
O08917	Flot1	Flotillin-1	182.81	13.08	47513	4	0.04305257	1.61431943	0.11717359	1.9645141e-10	2.7131484e-39	0.045713785
Q9WTX6	Cul1	Cullin-1	158.66	8.51	89692	4	0.04313887	1.42736334	0.1171993	2.6771949e-10	4.5064123e-39	0.045723818
Q9CQZ6	Ndufb3	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3	41.01	10.58	11692	1	0.04315781	2.24488739	0.1171993	3.6408088e-10	7.4736758e-39	0.045723818
P82343	Renbp	N-acylglucosamine 2-epimerase	125.93	11.4	49771	3	0.04318517	2.96801481	0.1171993	4.9409215e-10	1.2380997e-38	0.045723818
Q80Y81	Elac2	Zinc phosphodiesterase ELAC protein 2	257.12	11.07	92719	7	0.04372088	1.43106051	0.11854046	6.6912826e-10	2.048673e-38	0.046247055
Q9EPU0	Upf1	Regulator of nonsense transcripts 1	1036.76	19.4	123967	21	0.04376353	1.45405509	0.11854353	9.0427659e-10	3.3760086e-38	0.046248251
Q9D706	Rpap3	RNA polymerase II-associated protein 3	131.8	4.39	74096	2	0.04391325	2.20376233	0.11868588	1.219503e-09	5.5564398e-38	0.046303785
Q8BTY2	Slc4a7	Sodium bicarbonate cotransporter 3	137	3.87	116514	3	0.04391624	4.71258204	0.11868588	1.6411688e-09	9.1282002e-38	0.046303785
Q9QXX4	Slc25a13	Calcium-binding mitochondrial carrier protein Aralar2	1066.73	39.5	74467	20	0.0439408	1.25555229	0.11868588	2.2040002e-09	1.4980781e-37	0.046303785
Q64518	Atp2a3	Sarcoplasmic/endoplasmic reticulum calcium ATPase 3	533.94	8	113638	7	0.0440043	1.33028394	0.11874442	2.9536372e-09	2.4557827e-37	0.046326627
Q8R4Y8	Rtnn	Rotatin	42.11	0.31	248489	1	0.04408714	1.79529634	0.11874442	3.9499261e-09	4.0202657e-37	0.046326627
Q99J36	Thumpd1	THUMP domain-containing protein 1	161.73	10.86	38885	3	0.04408725	1.66389712	0.11874442	5.2711611e-09	6.5717562e-37	0.046326627
Q9D7B6	Acad8	Isobutyryl-CoA dehydrogenase, mitochondrial	94.39	6.54	45020	2	0.04415912	2.19051531	0.1188259	7.0195337e-09	1.0731799e-36	0.046358415
Q922Q1	Marc2	Mitochondrial amidoxime reducing component 2	395.54	36.09	38194	9	0.04424054	0.69197073	0.11893291	9.3281189e-09	1.750055e-36	0.046400164
Q8R164	Bphl	Valacyclovir hydrolase	82.81	7.9	32851	2	0.0443709	2.18883308	0.11909434	1.2369806e-08	2.8496784e-36	0.046463143
Q9Z219	Sucla2	Succinate--CoA ligase [ADP-forming] subunit beta, mitochondrial	277.61	12.74	50114	6	0.04442315	1.37805426	0.11909434	1.6368691e-08	4.6321987e-36	0.046463143
P55194	Sh3bp1	SH3 domain-binding protein 1	114.68	4.71	74172	2	0.04446756	1.84272858	0.11909434	2.161456e-08	7.5199527e-36	0.046463143
P84228	Hist1h3b	Histone H3.2	804.84	61.76	15388	11	0.04447161	0.39996312	0.11909434	2.8481276e-08	1.2192648e-35	0.046463143
P63036	Dnaja1	DnaJ homolog subfamily A member 1	276.26	19.9	44868	6	0.04450916	1.81655888	0.11909434	3.745004e-08	1.9748402e-35	0.046463143
P68372	Tubb4b	Tubulin beta-4B chain	2882.93	83.6	49831	44	0.04463704	1.56084533	0.11932467	4.9138753e-08	3.1947408e-35	0.046553004
Q8BUM3	Ptpn7	Tyrosine-protein phosphatase non-receptor type 7	112.28	8.91	40351	2	0.0448619	2.68650473	0.1198136	6.4338984e-08	5.1593373e-35	0.046743751
Q62885	Unc119	Protein unc-119 homolog A	107.48	9.17	27048	2	0.04498137	2.14743468	0.12002038	8.4062383e-08	8.3134225e-35	0.046824424
P17182	Eno1	Alpha-enolase	2960.96	79.26	47141	39	0.04508769	1.43658738	0.12019175	1.0959881e-07	1.3373499e-34	0.046891282
O08560	Dgkz	Diacylglycerol kinase zeta	147.96	7.32	104009	4	0.04516644	1.77699884	0.12028935	1.4258896e-07	2.1479365e-34	0.04692936
P26350	Ptma	Prothymosin alpha	549.84	36.04	12254	6	0.04522971	0.50516499	0.12034559	1.8511477e-07	3.4448795e-34	0.0469513
Q80UU2	Rpp38	Ribonuclease P protein subunit p38	42.67	3.57	31129	1	0.04530645	2.78405564	0.12037894	2.3981184e-07	5.5174553e-34	0.046964312
Q9CR00	Psmid9	26S proteasome non-ATPase regulatory subunit 9	49.21	5.41	24720	1	0.04532657	2.75849161	0.12037894	3.1000863e-07	8.8243888e-34	0.046964312
Q9CWJ9	Atic	Bifunctional purine biosynthesis protein PURH	2010.74	67.74	64217	32	0.04548552	1.50153227	0.1206888	3.9989854e-07	1.4097485e-33	0.047085201
Q9ER88	Dap3	28S ribosomal protein S29, mitochondrial	255.45	13.3	44699	4	0.04578958	1.55736428	0.12138277	5.1475194e-07	2.2479739e-33	0.047355944
Q9D2M8	Ube2v2	Ubiquitin-conjugating enzyme E2 variant 2	408.32	41.38	16367	8	0.04619601	1.41152097	0.12234658	6.6117676e-07	3.5752549e-33	0.047731964
Q6P6S4	Sil1	Nucleotide exchange factor SIL1	49.28	1.72	52350	1	0.046246	2.565896	0.12236546	8.4743787e-07	5.6684939e-33	0.047739327
O54988	Slk	STE20-like serine/threonine-protein kinase	481.02	11.03	141457	9	0.04645911	1.50117884	0.12275277	1.0838474e-06	8.9759075e-33	0.047890431
P27661	H2afx	Histone H2AX	530.51	52.45	15143	7	0.04647837	0.24446847	0.12275277	1.3832405e-06	1.4183281e-32	0.047890431
Q61210	Arhgef1	Rho guanine nucleotide exchange factor 1	523.33	12.83	102805	9	0.04669278	1.27927069	0.12320506	1.7615536e-06	2.238691e-32	0.048066889
Q9Z0H3	Smarcb1	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily B member 1	145.36	7.79	44141	2	0.04680762	0.61691396	0.12339404	2.238525e-06	3.5261501e-32	0.048140617
P14841	Cst3	Cystatin-C	118.42	17.14	15437	2	0.04685911	2.23368107	0.12341584	2.8385417e-06	5.5452088e-32	0.048149121
Q78PB6	Ndel1	Nuclear distribution protein nudE-like 1	55.16	3.48	38366	1	0.0470808	2.22967039	0.12376821	3.5916599e-06	8.7093185e-32	0.048286592
P35922	Fmr1	Synaptic functional regulator FMR1	186.6	6.03	68989	3	0.04709514	1.34285042	0.12376821	4.5348307e-06	1.3649951e-31	0.048286592
Q18PI6	Cd84	SLAM family member 5	48.89	3.34	37378	1	0.04717218	2.23764112	0.12376821	5.7133688e-06	2.1370197e-31	0.048286592
Q8BP27	Sfr1	Swi5-dependent recombination DNA repair protein 1 homolog	39.05	3.76	35183	1	0.04720824	2.28584286	0.12376821	7.1827066e-06	3.3410328e-31	0.048286592
P14106	C1qb	Complement C1q subcomponent subunit B	220.41	16.6	26717	4	0.04720966	0.65262134	0.12376821	9.0104832e-06	5.2171751e-31	0.048286592

Q3TIU4	Pde12	2',5'-phosphodiesterase 12	76.18	4.11	67514	2	0.04727068	2.04270056	0.12381448	1.1279024e-05	8.1385232e-31	0.048304643
Q8BG51	Rhot1	Mitochondrial Rho GTPase 1	172.8	5.71	72242	4	0.04731649	0.75475694	0.12382088	1.4088276e-05	1.267895e-30	0.04830714
A2VCX1	Tipr1	TIP41-like protein	102.7	10.7	31225	3	0.04760986	1.97258522	0.12447449	1.7559274e-05	1.972788e-30	0.04856214
F1M775	Diaph1	Protein diaphanous homolog 1	115.93	2.69	140409	2	0.047943	2.20412846	0.12523081	2.1838209e-05	3.0620742e-30	0.048857207
Q4AE70	Carm1	Histone-arginine methyltransferase CARM1	184.16	9.06	70341	3	0.04813648	2.16180176	0.12562124	2.7101214e-05	4.7403846e-30	0.04900953
P0C0S6	H2afz	Histone H2A.Z	523.12	56.25	13553	8	0.04821317	0.23534126	0.12570649	3.3559943e-05	7.324376e-30	0.049042788
D3ZU57	Riox1	Ribosomal oxygenase 1	36.43	2.01	67455	1	0.0483792	0.16287133	0.1259868	4.1468079e-05	1.1301339e-29	0.049152148
Q0P678	Zc3h18	Zinc finger CCCH domain-containing protein 18	36.96	2.64	105694	1	0.04840894	0.08796529	0.1259868	5.1128892e-05	1.7406391e-29	0.049152148
P26043	Rdx	Radixin	1456.89	34.82	68543	26	0.04860993	1.48873192	0.12639466	6.2903982e-05	2.6778532e-29	0.04931127
Q2L4X1	Bzw2	Basic leucine zipper and W2 domain-containing protein 2	136.41	8.83	48063	3	0.04870979	1.38972401	0.12653908	7.7223371e-05	4.1116484e-29	0.049367611
P05213	Tuba1b	Tubulin alpha-1B chain	2653.02	78.71	50152	39	0.04889328	1.50004837	0.1269003	9.4597094e-05	6.303812e-29	0.049508537
P26040	Ezr	Ezrin	1063.09	20.48	69407	17	0.0491082	1.47419035	0.12707307	0.00011562849	9.646765e-29	0.04957594
Q6PA06	Atl2	Atlastin-2	214.69	10.29	66224	5	0.04911771	3.50298446	0.12707307	0.00014102938	1.4733017e-28	0.04957594
Q9CSU0	Rprd1b	Regulation of nuclear pre-mRNA domain-containing protein 1B	189.71	16.56	36884	4	0.04913131	1.73028017	0.12707307	0.00017163728	2.2477254e-28	0.04957594
Q04447	Ckb	Creatine kinase B-type	1790.38	66.4	42713	25	0.0491478	1.47892056	0.12707307	0.00020843499	3.4255244e-28	0.04957594
Q91VM9	Ppa2	Inorganic pyrophosphatase 2, mitochondrial	78.7	8.18	38115	2	0.04918984	1.76498144	0.12707307	0.00025257263	5.2147826e-28	0.04957594
O70133	Dhx9	ATP-dependent RNA helicase A	2133.99	27.17	149475	37	0.0492269	0.71232173	0.12707307	0.00030539248	7.9290179e-28	0.04957594
P18242	Ctsd	Cathepsin D	1911.02	69.27	44954	30	0.04931034	1.87718289	0.12710109	0.00036845675	1.2041642e-27	0.049586872
P24527	Lta4h	Leukotriene A-4 hydrolase	376.51	15.06	69051	7	0.0493268	1.95638808	0.12710109	0.00044357864	1.8261816e-27	0.049586872
P11440	Cdk1	Cyclin-dependent kinase 1	541.72	49.49	34107	12	0.04942752	1.76354296	0.12724578	0.00053285672	2.7664595e-27	0.049643323
O88685	Psmc3	26S proteasome regulatory subunit 6A	957.78	43.89	49549	17	0.04965019	1.22943331	0.12770388	0.00063871312	4.1846836e-27	0.049822043
Q6A065	Cep170	Centrosomal protein of 170 kDa	124.31	1.57	175050	3	0.04973787	1.78590461	0.12781424	0.00076393544	6.3172077e-27	0.049865102
P49186	Mapk9	Mitogen-activated protein kinase 9	110.91	4.96	48017	2	0.04993052	2.68130885	0.12809803	0.00091172281	9.5229917e-27	0.049975819
Q9D2L9	Fam111a	Protein FAM111A	73	2.12	69949	1	0.04993804	0.84097345	0.12809803	0.0010857361	1.4328747e-26	0.049975819