

Supplementary Table 5: list of proteins which abundance is significantly modified in response to cell exposure to polystyrene particles of all sizes

acc number	gene_name	description	protein_set_score	coverage	MW	#peptides	T test 10 μm	ratio 10μm/ctrl	T test 1 μm	Ratio 1 μm/ctrl	T test 0.1 μm	Ratio 0.1 μm/ctrl
Q8VDJ3	Hdlbp	Vigilin	1815.6	30.21	141743	31	5.4272E-05	1.51763907	1.5877E-05	1.55190654	5.1354E-05	1.51485346
Q91VR5	Ddx1	ATP-dependent RNA helicase DDX1	905.19	31.76	82500	16	9.4088E-05	2.04795075	9.1546E-05	1.8950926	0.00014368	1.82286485
Q6NZJ6	Eif4g1	Eukaryotic translation initiation factor 4 gamma 1	1620.48	22.81	176077	29	0.00011251	1.81216439	9.132E-05	1.81331346	0.00015127	1.7489996
Q8BTM8	Flna	Filamin-A	4874.93	41.48	281222	76	3.525E-06	3.33355131	1.9165E-05	1.97347942	0.00015826	1.71914586
P56399	Usp5	Ubiquitin carboxyl-terminal hydrolase 5	1049.75	30.42	95833	19	0.00019166	1.6269215	1.2742E-05	1.70188276	0.00013156	1.37677555
Q9QXS1	Plec	Plectin	7877.069	38.39	534188	147	2.617E-06	2.18292978	6.4825E-05	1.56663553	0.00023562	1.41806406
Q71LX4	Tln2	Talin-2	594.96	3.75	253621	10	0.00017292	1.89105696	3.9602E-05	1.79939452	0.00024868	1.58818862
P26039	Tln1	Talin-1	6208.992	49.82	269821	91	8.5926E-05	1.73523073	0.00019566	1.65167869	0.00026858	1.5022875
Q9EQP2	Ehd4	EH domain-containing protein 4	849.75	35.86	61481	17	1.7686E-05	2.61603399	0.00011797	2.09590951	0.00028082	1.9124411
F1LMZ8	Psmd11	26S proteasome non-ATPase regulatory subunit 11	740.08	34.36	47464	14	0.00030949	1.76065757	5.5729E-05	1.96156574	0.00018652	1.81118113
B2RQC6	Cad	CAD protein	1068.65	13.98	243238	23	8.183E-05	1.93870205	5.5793E-05	1.95505877	0.00032585	1.84121212
Q641Z6	Ehd1	EH domain-containing protein 1	685.35	33.52	60603	13	0.00033326	2.92385195	0.00045043	1.9894657	0.00048001	2.00130708
Q9WU78	Pded6ip	Programmed cell death 6-interacting protein	1129.38	31.07	96024	17	0.00049183	1.77795819	8.0088E-07	1.61100723	0.00045116	1.49310062
Q8BPU7	Elmo1	Engulfment and cell motility protein 1	219.22	11.69	83936	6	4.5421E-05	4.46903257	0.00049949	3.49749669	0.00025563	3.29460797
Q8R491	Ehd3	EH domain-containing protein 3	345.1	13.08	60791	7	0.0002678	3.0120143	3.7739E-05	2.20563171	0.00058548	2.15353161
Q6P542	Abcf1	ATP-binding cassette sub-family F member 1	418.04	13.62	94945	8	0.00065387	1.71896806	0.00015925	1.77599128	0.00041499	1.66613795
P54822	Adsl	Adenylosuccinate lyase	755.65	37.4	54866	12	0.00081981	1.95364977	0.00054216	1.92710433	0.00074764	1.85185156
Q8JZK9	Hmgcs1	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	388.81	21.54	57569	7	0.00091295	2.9756654	0.0003623	3.08209764	0.00070865	3.02703079
Q5PPK9	Eipr1	EARP and GARP complex-interacting protein 1	38.64	3.37	43157	1	0.00101954	21.816255	4.5395E-05	24.4642068	0.00017467	19.5133428
P62334	Psmc6	26S proteasome regulatory subunit 10B	593.05	30.85	44173	10	0.00125483	1.93117247	0.00021547	2.31903171	0.00016282	2.24131066
P46471	Psmc2	26S proteasome regulatory subunit 7	958.45	38.11	48648	16	0.00025416	1.51080579	0.00045676	1.59143158	0.00128873	1.43052571
Q04899	Cdk18	Cyclin-dependent kinase 18	160.51	8.87	51848	3	0.00085551	3.45216177	0.00117006	2.7094041	0.00146011	2.70448203
P83953	Kpna1	Importin subunit alpha-5	184.16	7.99	60137	3	0.0009681	2.76113935	0.00109101	2.65644094	0.00146883	2.59479905
Q9JMA1	Usp14	Ubiquitin carboxyl-terminal hydrolase 14	1176.23	50.71	56002	20	0.00033238	2.14326826	0.00016632	2.13344111	0.00155215	1.78458344
P70168	Kpnb1	Importin subunit beta-1	895.81	21.92	97184	16	0.00163427	1.57888795	0.00038455	1.38496811	0.0013189	1.38194514
Q2PQA9	Kif5b	Kinesin-1 heavy chain	638.44	14.43	109531	10	0.00033976	2.60312509	0.00040319	2.43308373	0.00163541	2.08189484
Q99LC8	Eif2b1	Translation initiation factor eIF-2B subunit alpha	98.49	5.57	33816	1	0.00067676	4.59845736	0.00172047	4.46872015	0.00074616	3.93764624
Q9QXB9	Drg2	Developmentally-regulated GTP-binding protein 2	211.09	12.09	40718	4	0.00065295	2.28961486	0.00160585	2.21668872	0.0017335	2.0417797
Q61510	Trim25	E3 ubiquitin/ISG15 ligase TRIM25	236.25	8.68	71726	4	0.00174995	3.05808393	0.00028734	2.75031349	0.00050988	2.53286651
P28658	Atxn10	Ataxin-10	477.58	22.11	53707	8	0.00044372	3.58671612	0.00128162	2.54799791	0.00175152	2.46984647
Q8BJY1	Psmd5	26S proteasome non-ATPase regulatory subunit 5	296.7	19.64	55972	7	0.0018005	3.19524591	0.00014158	2.84498042	0.00112156	2.60006467
Q8BL66	Eea1	Early endosome antigen 1	586.06	10.84	160915	12	5.7191E-05	2.21606615	0.00040729	1.82991378	0.00181134	1.63757327

Q61749	Eif2b4	Translation initiation factor eIF-2B subunit delta	211.27	9.92	57624	4	0.00183948	2.18878752	0.00032428	2.92507375	0.00066446	2.45929069
Q99JX4	Eif3m	Eukaryotic translation initiation factor 3 subunit M	513.85	28.61	42517	7	0.00186623	2.05054997	0.00150356	2.15231009	0.00046471	2.29424204
Q61879	Myh10	Myosin-10	1022.24	10.12	228996	19	0.00190762	1.97697627	0.00059234	1.61552388	0.00083013	1.52267486
Q69ZK0	Prex1	Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein	571.72	11.03	184935	13	0.00022379	2.74857743	0.00035493	2.49278647	0.00191977	2.12302307
P47856	Gfpt1	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1	162.85	5.02	78539	3	0.00106375	4.29294658	0.00178357	3.8759221	0.00192644	3.92532224
P17426	Ap2a1	AP-2 complex subunit alpha-1	767.87	23.64	107664	16	0.0003118	2.09400527	0.00048271	1.73992127	0.00196506	1.64847173
Q8VIJ5	Oga	Protein O-GlcNAcase	77.43	2.18	102918	2	0.00204886	3.22469373	0.00101938	2.81887564	0.0013635	2.77256998
Q8BML9	Qars	Glutamine--tRNA ligase	806.47	29.68	87677	18	0.00053185	2.09690338	0.00036798	1.68521947	0.00205869	1.57706646
Q8K1B8	Fermt3	Fermitin family homolog 3	1259.78	48.27	75635	23	0.00092504	1.58681723	0.00100907	1.58073608	0.00217985	1.4850281
Q9Z1Q9	Vars	Valine--tRNA ligase	2117.74	37.53	140215	37	0.00090304	1.76970927	0.00023223	1.91381929	0.00224167	1.63308994
P62320	Snrpd3	Small nuclear ribonucleoprotein Sm D3	385.4	54.76	13916	7	9.4566E-05	0.53433226	0.00228654	0.72532518	0.00119248	0.70907356
P56477	Irf5	Interferon regulatory factor 5	205.02	14.08	56005	4	0.00229471	2.77927689	0.00071357	3.23915843	0.00193772	2.77869027
Q61584	Fxr1	Fragile X mental retardation syndrome-related protein 1	818.29	27.33	76222	14	0.00230117	1.38568437	0.00160419	1.35856376	0.00216319	1.34180864
Q9JKF1	Iqgap1	Ras GTPase-activating-like protein IQGAP1	4641.94	51.84	188742	74	0.00232999	2.15837632	3.2205E-06	1.7360297	0.0014195	1.42872067
Q9CZD3	Gars	Glycine--tRNA ligase	1137.19	32.92	81878	21	0.00012623	2.10603807	0.00013296	2.07370076	0.00235426	1.7668363
Q8BGQ7	Aars	Alanine--tRNA ligase, cytoplasmic	1526.94	40.19	106909	26	0.00068751	1.99182707	0.0008503	1.88856684	0.00241573	1.73975233
Q924T2	Mrps2	28S ribosomal protein S2, mitochondrial	262.11	27.49	32313	5	0.00242046	1.74772484	0.00236873	1.7332089	0.00054984	1.95207922
Q8BMJ2	Lars	Leucine--tRNA ligase, cytoplasmic	1136.64	23.6	134192	22	0.00017002	2.31277818	0.00119685	2.12189156	0.00246804	1.87804313
B0BN93	Psmd13	26S proteasome non-ATPase regulatory subunit 13	355.53	21.01	42817	8	0.00256655	3.15510916	0.00054823	3.0741462	0.00241574	2.56015965
Q6P5F9	Xpo1	Exportin-1	608.3	12.23	123093	10	2.1428E-05	2.73045932	0.0003203	1.85073594	0.00286693	1.71160778
P50399	Gdi2	Rab GDP dissociation inhibitor beta	1995.58	69.89	50537	34	0.00024548	2.33538928	0.00120705	2.03459303	0.00305523	1.80502401
P83940	Eloc	Elongin-C	257.95	37.5	12473	3	0.00277421	2.49937825	0.00311842	2.26777041	0.00269042	2.28927281
P19096	Fasn	Fatty acid synthase	3753.07	37.9	272428	67	0.00312902	1.65457583	0.00033215	1.95658651	0.00250859	1.66902713
Q3TW96	Uap111	UDP-N-acetylhexosamine pyrophosphorylase-like protein 1	706.45	30.37	56614	12	8.1721E-05	2.75115883	0.00118807	2.26128441	0.00327931	1.90977875
A2AAY5	Sh3pxd2b	SH3 and PX domain-containing protein 2B	186.02	4.74	101517	5	0.00079854	2.213445	0.00309029	1.99192903	0.00330858	1.98607935
Q5XI32	Capzb	F-actin-capping protein subunit beta	1198.29	56.62	30629	19	0.00015666	1.88935219	0.00133562	1.59108973	0.00331679	1.49882033
Q03963	Eif2ak2	Interferon-induced, double-stranded RNA-activated protein kinase	382.11	19.81	58280	6	0.00054222	1.97793363	0.00339122	1.88113268	0.00027557	1.85253818
Q99KC8	Vwa5a	von Willebrand factor A domain-containing protein 5A	1687.11	45.4	87143	28	2.5264E-06	2.29677407	0.00037269	1.68486842	0.00348216	1.3875143
P45377	Akr1b8	Aldose reductase-related protein 2	863.46	55.7	36121	15	0.00067304	1.81505391	0.0005125	1.52763578	0.00353853	1.39648254
P27546	Map4	Microtubule-associated protein 4	602.92	22.04	117429	15	0.00018291	1.89489099	0.00049979	1.73199516	0.00367401	1.48560377
Q3UZ39	Lrrfp1	Leucine-rich repeat flightless-interacting protein 1	647.42	24.69	79249	12	0.00032774	1.95232696	0.00056818	1.71517977	0.00371449	1.56005862
P23591	Tsta3	GDP-L-fucose synthase	206.47	14.02	35878	4	0.00176699	3.82543624	0.00049312	4.19257283	0.00389952	3.07063178

P62994	Grb2	Growth factor receptor-bound protein 2	92.77	11.06	25206	2	0.0012012	3.58477589	0.00209738	3.29032498	0.00396486	3.07123516
Q93092	Taldo1	Transaldolase	1283.64	52.82	37387	25	0.00064701	1.91553394	0.0012433	1.77997271	0.00398066	1.64866512
Q4V8K5	Brox	BRO1 domain-containing protein BROX	163.76	9.25	46192	3	0.00075232	4.95902496	0.00115663	4.43698052	0.00402968	3.7161332
Q8BYW1	Arhgap25	Rho GTPase-activating protein 25	332.92	13.12	73383	6	0.00015009	3.38556248	0.00232506	2.40225259	0.00404223	2.2583083
Q8CGF7	Tcerg1	Transcription elongation regulator 1	350.65	7.18	123788	7	0.00404304	1.61583704	0.00031221	1.93553296	0.00087383	1.7968175
Q9CPU0	Glo1	Lactoylglutathione lyase	326.04	51.63	20810	7	0.00328572	3.023915	0.00106654	3.18301956	0.00411012	2.69448017
P62192	Psmc1	26S proteasome regulatory subunit 4	390.91	17.05	49185	7	0.00417704	1.63303775	2.1103E-05	1.73080218	0.00016266	1.58184622
Q9JHU4	Dync1h1	Cytoplasmic dynein 1 heavy chain 1	4449.2	23.32	532045	86	3.5097E-05	2.45980167	0.00152956	1.71181735	0.0041993	1.54145205
P42932	Cct8	T-complex protein 1 subunit theta	1788.49	55.11	59555	33	0.00229178	1.90998455	0.0016259	1.91387328	0.00426939	1.75421682
Q5BJY6	Amdhd2	N-acetylglucosamine-6-phosphate deacetylase	148.98	8.31	43539	3	0.00432008	3.01615931	4.7918E-05	2.24541275	0.00083324	1.71960979
A2AIV8	Card9	Caspase recruitment domain-containing protein 9	50.62	1.87	62462	1	0.00137941	6.82213758	0.00011003	7.03379854	0.00436375	4.91252175
A0MZ67	Shtn1	Shootin-1	202.58	8.06	71446	4	0.0043911	2.64304411	0.00224881	2.37673604	0.00011686	2.54393141
O88746	Tom1	Target of Myb protein 1	302.76	17.68	54325	6	0.00144472	2.34616447	0.00070974	2.0229722	0.00440379	1.73150421
P54823	Ddx6	Probable ATP-dependent RNA helicase DDX6	665.64	33.54	54192	11	0.0044389	1.58797437	0.00109397	1.81798438	0.00167014	1.76357527
A2ADY9	Ddi2	Protein DDI1 homolog 2	353.19	24.56	44591	6	0.00064378	2.90977371	0.00174024	2.78346621	0.00455374	2.29356093
Q8VDD5	Myh9	Myosin-9	7869.631	52.91	226372	116	8.1524E-05	2.01893545	0.00229116	1.50193745	0.0046121	1.44463364
Q3TXS7	Psmd1	26S proteasome non-ATPase regulatory subunit 1	1354.49	33.05	105730	23	0.00376801	1.73886725	0.00130772	1.58512923	0.00469633	1.4803025
Q60854	Serpnb6	Serpin B6	986.41	53.17	42599	15	0.00046006	2.60329287	0.00097269	1.94466546	0.00480689	1.66067532
Q04207	Rela	Transcription factor p65	44.41	2.55	60212	1	0.00480968	1.58669207	0.00121559	1.76215981	0.00164795	1.75522013
P22682	Cbl	E3 ubiquitin-protein ligase CBL	75.93	1.64	100564	1	0.00305757	4.54954673	0.00485069	4.40474508	0.00438174	4.06147957
P97386	Lig3	DNA ligase 3	45.7	0.99	113072	1	0.00487882	3.57568585	0.0004214	4.8856587	0.00198937	4.04498563
P62259	Ywhae	14-3-3 protein epsilon	1078.54	63.92	29174	19	0.00269558	2.51365826	0.00064385	2.28970962	0.00495583	2.01023808
Q99JI4	Psmd6	26S proteasome non-ATPase regulatory subunit 6	490.5	28.79	45536	10	0.00081689	2.05218475	0.00503149	1.69713983	0.00501668	1.72403538
Q8CFI2	Cdc34	Ubiquitin-conjugating enzyme E2 R1	34.63	2.98	26622	1	0.00504259	4.57327043	0.00030189	5.87799363	0.00075013	4.76492677
P17918	Pcna	Proliferating cell nuclear antigen	1734.93	66.67	28785	22	0.00187895	1.56623597	0.00102015	1.61776563	0.00505533	1.45589699
P46664	Adss	Adenylosuccinate synthetase isozyme 2	769.26	35.31	50021	13	0.00097788	2.10418493	0.00287878	1.97666263	0.00507379	1.78960805
Q9Z0M5	Lipa	Lysosomal acid lipase/cholesteryl ester hydrolase	105.58	4.79	45325	2	0.00193371	3.26295786	0.00509672	2.78353788	0.00014956	4.73128372
O70200	Aif1	Allograft inflammatory factor 1	147.18	11.56	16911	1	0.00514571	5.05678647	0.00136723	5.26429513	0.00515949	3.95351866
Q91W50	Csde1	Cold shock domain-containing protein E1	1036.8	29.82	88791	18	0.00518433	1.39682819	0.0014012	1.50265867	0.00165552	1.48816476
Q9D8T2	Gsdmcd1	Gasdermin-D	125.87	7.19	53238	3	0.00015122	2.43426786	0.00013879	2.2915925	0.00520998	1.75083179
Q9JLQ0	Cd2ap	CD2-associated protein	193.96	7.22	70450	4	0.0036657	1.91550108	0.00091011	2.11364916	0.00522584	1.69891194
P17427	Ap2a2	AP-2 complex subunit alpha-2	568.12	15.46	104017	11	0.0008633	2.23079091	0.00403846	1.89486185	0.00525344	1.89721472
P46467	Vps4b	Vacuolar protein sorting-associated protein 4B	376.17	22.07	49419	7	0.00341729	1.86039094	0.00307885	1.86326425	0.00530705	1.78394809
P61290	Psme3	Proteasome activator complex subunit 3	520.16	29.13	29506	9	0.00551922	2.2569562	0.00235171	2.48131469	0.00337223	2.39451711
Q9JHJ0	Tmod3	Tropomodulin-3	319.1	29.26	39503	7	0.00557005	1.91867527	0.00169139	2.13759023	0.00491448	1.93242751
P10711	Tcea1	Transcription elongation factor A protein 1	529.83	39.87	33880	9	0.00557099	2.10257811	0.00543404	2.29045707	0.00423073	2.12513397

Q6I7R3	Isoc1	Isochorismatase domain-containing protein 1	115.24	8.42	32002	2	8.3678E-05	2.72746043	0.00017291	2.64186375	0.00559431	2.1604483
Q8BH69	Sephs1	Selenide, water dikinase 1	178.57	14.03	42907	4	0.00559439	2.43586676	0.00105008	2.78164633	0.00191449	2.56096887
Q3TRM8	Hk3	Hexokinase-3	1098.27	25.49	100101	17	4.8967E-05	3.39965898	0.00168661	2.0000524	0.00559941	1.8485828
Q8BKZ9	Pdhx	Pyruvate dehydrogenase protein X component, mitochondrial	104.79	3.39	53999	2	0.00514636	4.45909335	9.2616E-05	3.68147038	0.00560764	4.16617803
Q6P5H2	Nes	Nestin	2852.46	35.3	207124	39	0.00096645	1.78401186	0.00060177	1.85194328	0.00564002	1.58006817
P16110	Lgals3	Galectin-3	686.86	35.23	27515	12	0.00568	2.45041	0.00279538	1.76323258	0.00183561	1.54713434
P04184	Tk1	Thymidine kinase, cytosolic	205.88	28.33	25776	5	0.00569512	1.81024888	0.00249319	1.65901809	0.00015182	1.80759823
P99029	Prdx5	Peroxiredoxin-5, mitochondrial	730.88	57.14	21897	12	0.00576186	1.77613827	0.00023207	2.03440323	0.00421257	1.83890866
Q9D819	Ppa1	Inorganic pyrophosphatase	241.96	17.3	32667	5	0.00578835	2.46501332	0.00221977	2.73310373	0.00385301	2.58843595
Q9ES52	Inpp5d	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1	1091.19	24.43	133542	23	0.00269122	1.68175723	0.00259162	1.6717643	0.00580496	1.59011953
Q8BY71	Hat1	Histone acetyltransferase type B catalytic subunit	346.34	15.62	49278	5	0.00600157	2.87820968	0.00449582	2.90366523	0.00468382	2.94867673
Q1HFZ0	Nsun2	tRNA (cytosine(34)-C(5))-methyltransferase	493	18.49	85452	10	0.00600721	1.95173314	2.5119E-05	2.27331095	0.00025872	2.161726
Q9R0P3	Esd	S-formylglutathione hydrolase	950.34	68.44	31320	14	0.00010263	2.05259751	0.00037422	1.67526692	0.00601052	1.3919716
Q3THK7	Gmps	GMP synthase [glutamine-hydrolyzing]	1087.14	43.43	76723	20	0.00601656	1.79927283	0.00087572	2.16898576	0.00285947	1.97265816
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	0.00028003	2.36742577	0.00602618	1.88864448
E9PVA8	Gcn1	eIF-2-alpha kinase activator GCN1	214.6	2.47	293021	6	0.00020474	4.07370519	0.00300287	2.8777809	0.00609331	2.65032746
O70145	Ncf2	Neutrophil cytosol factor 2	518.48	29.14	59485	11	0.00612114	1.82646108	0.00298777	1.94973907	0.00497782	1.84478308
B0BNE2	Polr2e	DNA-directed RNA polymerases I, II, and III subunit RPABC1	117.41	11.43	24570	2	0.00634737	0.71244263	0.0030702	0.69076465	0.00339416	0.6756427
Q80TM9	Nisch	Nischarin	244.24	3.45	175012	4	0.00185063	2.5337194	0.00286403	2.46679126	0.00635717	2.20084511
Q9Z0H1	Wdr46	WD repeat-containing protein 46	425.78	22.19	69048	9	0.00054612	0.54431664	0.00366888	0.67848101	0.00647019	0.71991234
P50516	Atp6v1a	V-type proton ATPase catalytic subunit A	1703.4	49.43	68326	26	2.7492E-05	2.22112073	0.00294102	1.49709679	0.00658536	1.42676281
Q8BP47	Nars	Asparagine--tRNA ligase, cytoplasmic	784.23	27.55	64279	15	0.00099317	1.84823643	0.00279874	1.67116886	0.00658537	1.58590556
Q80WS3	Fbll1	rRNA/tRNA 2'-O-methyltransferase fibrillar-like protein 1	157.08	11.46	33339	3	0.0010364	0.41582344	0.0023452	0.50750332	0.00662428	0.60754263
P60229	Eif3e	Eukaryotic translation initiation factor 3 subunit E	372.73	20.9	52221	8	0.00664188	2.65007207	0.00105346	1.91626213	0.00297193	2.13317696
O54984	Asna1	ATPase Asna1	230.76	14.08	38823	5	0.00211037	2.02492233	0.00671416	1.86585275	0.00573181	1.84474591
Q9CQW0	Dph5	Diphthine methyl ester synthase	74.21	8.19	31218	1	0.00132034	2.80664959	0.00224398	2.81824319	0.00681359	2.36919581
Q99LE6	Abcf2	ATP-binding cassette sub-family F member 2	124.97	5.57	71782	3	0.00291517	3.11045077	0.00690356	2.69060936	0.00594491	2.65660923
Q9JKX6	Nudt5	ADP-sugar pyrophosphatase	97.17	13.3	23984	2	0.00701588	1.68523625	0.00432038	1.74407689	0.00447315	1.78808205
Q5U2Z5	Cmtr1	Cap-specific mRNA (nucleoside-2'-O)-methyltransferase 1	66.09	1.79	95619	2	0.00043544	5.22590944	0.00702654	2.9067964	0.00656304	3.13893434
Q9CQI6	Cotl1	Coactosin-like protein	599.88	76.06	15944	12	0.00407215	1.79639873	0.00372971	1.78222265	0.00705879	1.67374293
P62075	Timm13	Mitochondrial import inner membrane translocase subunit Tim13	105.98	14.74	10458	1	0.00116629	6.77543311	0.00249036	5.31997606	0.0070811	4.86658575
O08638	Myh11	Myosin-11	590.56	5.48	227028	11	0.00022951	1.91686222	0.00499339	1.41159707	0.00713884	1.37918051



Q91YP3	Dera	Deoxyribose-phosphate aldolase	254.64	20.75	34975	5	0.00365743	2.0097772	0.00716126	1.89421225	0.00668626	1.8799762
Q9CQE8	RTRAF	RNA transcription, translation and transport factor protein	48.88	12.3	28152	1	0.00426771	5.14073433	0.0020581	4.59837067	0.00723499	3.96928393
Q99N69	Lpxn	Leupaxin	263.87	17.88	43478	6	0.00014668	2.97384308	0.00725674	2.33403524	0.00155661	2.31247393
Q91V92	Acly	ATP-citrate synthase	1852.34	31.35	119728	28	0.00111092	1.94343303	0.00445394	1.72848713	0.0072692	1.6634873
Q6URW6	Myh14	Myosin-14	471.68	4.1	228586	9	0.00023434	1.91347792	0.00563287	1.40389211	0.00727889	1.37821839
Q99P31	Hspbp1	Hsp70-binding protein 1	459.18	32.21	39167	9	0.0073778	2.44276334	0.00370042	2.54920178	0.00626055	2.44699221
Q9D2V7	Coro7	Coronin-7	438.61	16.49	100812	9	0.0014055	1.8068298	0.00050504	1.89814402	0.00739525	1.53926942
Q9CT10	Ranbp3	Ran-binding protein 3	374.52	16.9	52573	6	0.00748718	2.19859907	0.00396731	2.44793293	0.00686606	2.20615002
Q5SW19	Cluh	Clustered mitochondria protein homolog	186.59	3.88	148068	4	0.00031844	3.92483771	0.00106718	4.03640327	0.0076046	3.43264051
P80314	Cct2	T-complex protein 1 subunit beta	2029.75	64.3	57477	32	0.00602102	1.5886182	0.00191255	1.7381214	0.00773483	1.5519343
Q8BK64	Ahsa1	Activator of 90 kDa heat shock protein ATPase homolog 1	230.53	21.6	38117	6	0.0016784	2.03269591	0.0011837	2.14010469	0.00773516	1.88162176
Q9DBG6	Rpn2	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	875.04	29.32	69063	13	0.00550502	0.64068671	0.00200038	0.57910741	0.00775576	0.68355085
P97429	Anxa4	Annexin A4	1299.64	55.17	35916	18	4.3666E-05	1.68410592	0.00548331	0.71226128	0.00781038	0.73478368
Q5FVC2	Arhgef2	Rho guanine nucleotide exchange factor 2	452.36	11.37	111909	8	0.00232244	1.28074535	5.9712E-05	1.43892932	0.00788938	1.26810899
P43274	Hist1h1e	Histone H1.4	777.19	34.25	21977	12	0.00789738	0.61398814	0.00167902	0.49320356	0.00219742	0.49697065
P62278	Rps13	40S ribosomal protein S13	404.73	43.71	17222	8	0.00108896	2.49418337	0.00790672	2.01241563	0.00737892	2.03846065
P63101	Ywhaz	14-3-3 protein zeta/delta	956.45	48.98	27771	14	0.00791251	2.90642923	7.388E-05	2.84336312	0.00127445	2.33946406
O88456	Capns1	Calpain small subunit 1	189.41	15.99	28463	3	0.00040932	1.41212425	0.00792412	1.27678267	0.00614198	1.27636371
Q91VI7	Rnh1	Ribonuclease inhibitor	2016.51	74.78	49816	24	0.00086427	2.99091945	0.00251054	2.13558322	0.00796054	1.88201643
Q8K124	Plekho2	Pleckstrin homology domain-containing family O member 2	133.36	9.29	53872	3	0.00299181	1.93707901	0.00136054	2.06956153	0.00797745	1.7535
Q7TPR4	Actn1	Alpha-actinin-1	1152.69	26.46	103068	20	0.00118987	2.20513805	0.00125157	1.92855298	0.00802736	1.62730034
Q5SUR0	Pfas	Phosphoribosylformylglycinamide synthase	1007.33	19.67	144629	19	0.00814288	1.60053424	0.0011337	1.87691942	0.00302342	1.79470347
Q9CXY6	Ilf2	Interleukin enhancer-binding factor 2	529.81	37.18	43062	9	0.00815448	0.66749114	0.00305853	0.56664056	0.00675976	0.62151778
Q8R4X3	Rbm12	RNA-binding protein 12	166.15	4.03	102796	4	0.00823532	2.65476049	0.00569465	2.87740812	0.00049065	3.56682828
P50396	Gdi1	Rab GDP dissociation inhibitor alpha	467.39	18.79	50522	8	0.00049535	2.05097132	0.0031058	1.83836288	0.00824178	1.61622128
O55023	Impa1	Inositol monophosphatase 1	402.31	24.91	30436	8	0.00321843	1.77203565	0.00346333	1.7193419	0.00832134	1.61255713
Q91VW3	Sh3bgrl3	SH3 domain-binding glutamic acid-rich-like protein 3	216.58	31.18	10477	4	0.0083763	1.75594361	0.00119583	2.03185548	0.00530673	1.77669425
Q3UM18	Lsg1	Large subunit GTPase 1 homolog	43.9	2.17	73157	1	0.00428261	3.26366676	0.00840032	2.90492971	0.00573071	3.01116186
Q9WV03	Fam50a	Protein FAM50A	137.26	12.68	40252	3	0.00841496	2.0112012	0.00527148	1.90574902	0.0030894	1.9192503
P97360	Etv6	Transcription factor ETV6	50.2	1.44	56406	1	0.0042156	2.49828826	0.00246349	2.54978135	0.00842292	2.42334243
Q61316	Hspa4	Heat shock 70 kDa protein 4	2312.93	56.84	94133	39	0.00742662	1.56171764	0.00385508	1.65665032	0.008437	1.55021988
P32921	Wars	Tryptophan--tRNA ligase, cytoplasmic	568.58	30.77	54358	10	0.00410563	2.16492565	0.00264773	2.35103623	0.00848322	2.00807452
Q99MZ7	Peer	Peroxisomal trans-2-enoyl-CoA reductase	118.11	7.92	32410	2	0.00071807	1.87314676	0.00861991	1.5637501	0.00485851	1.61372662
Q62261	Sptbn1	Spectrin beta chain, non-erythrocytic 1	49.45	0.38	274223	1	0.00064678	6.6550757	0.00866224	2.99128282	0.006474	3.08350028
P35444	Comp	Cartilage oligomeric matrix protein	38.6	1.06	82664	1	0.00187529	4.27022256	0.00563258	3.17840437	0.00867321	3.2162192
Q6P1B1	Xpnpep1	Xaa-Pro aminopeptidase 1	556.77	26.32	69591	11	0.00032096	2.01432982	0.00303658	1.69168705	0.00892801	1.53113705

P26516	Psmid7	26S proteasome non-ATPase regulatory subunit 7	496.05	27.1	36540	8	0.00473427	1.78400374	0.0010331	1.81625517	0.0091668	1.58513868
Q9WUP7	Uchl5	Ubiquitin carboxyl-terminal hydrolase isozyme L5	663.04	37.99	37617	14	0.00918017	2.19321169	0.00131906	2.24252157	0.0021652	2.13482273
Q3TIR1	Trappc13	Trafficking protein particle complex subunit 13	96.87	8.87	46477	2	0.00454496	2.36846054	0.00925662	2.12968367	0.00428092	2.39619284
O88545	Cops6	COP9 signalosome complex subunit 6	168.65	8.33	35880	4	0.00289024	2.50720209	0.00295817	2.46247323	0.00935559	2.18048093
P11103	Parp1	Poly [ADP-ribose] polymerase 1	976.93	25.77	113100	18	0.00937351	1.33999928	8.5782E-05	1.64702984	1.2592E-05	1.42220583
Q6A0A2	Larp4b	La-related protein 4B	64.5	2.29	81627	1	0.0096202	5.40469251	0.0051671	5.86774309	0.00617027	5.67490165
Q9CYG7	Tomm34	Mitochondrial import receptor subunit TOM34	300.82	26.54	34278	6	0.0097182	1.72660016	0.00057325	1.64963674	0.00479124	1.6154123
Q4QQT6	Brix1	Ribosome biogenesis protein BRX1 homolog	199.78	13.07	41115	5	0.00274098	0.48632593	0.00696295	0.59448842	0.00974651	0.65111495
Q62192	Cd180	CD180 antigen	200.21	6.96	74302	3	0.00070231	3.62070511	0.00855097	2.57665573	0.00985371	2.54043644
P05132	Prkaca	cAMP-dependent protein kinase catalytic subunit alpha	277.34	16.24	40571	5	0.00025125	3.02003462	0.0081253	1.86260395	0.00994378	1.86277539
Q3UIA2	Arhgap17	Rho GTPase-activating protein 17	126.71	2.6	92202	2	0.00328174	1.67060298	0.00021863	1.69824467	0.00996226	1.3961404
Q6ZQ08	Cnot1	CCR4-NOT transcription complex subunit 1	124.51	1.22	266808	3	0.00094143	3.14599573	0.00330019	2.58478315	0.00996849	2.24987767
P62317	Snrpd2	Small nuclear ribonucleoprotein Sm D2	359.22	52.54	13527	7	0.00036893	0.43743745	0.00997535	0.69937996	0.00504802	0.656274
Q68FL6	Mars	Methionine--tRNA ligase, cytoplasmic	821.32	21.4	101431	14	0.00231857	2.28413376	0.00380766	2.23174803	0.00998413	1.92522304
O08739	Ampd3	AMP deaminase 3	42.12	0.91	88652	1	0.00089072	5.03781335	0.00998884	2.95916924	0.00925168	2.9308127
Q9CVB6	Arpc2	Actin-related protein 2/3 complex subunit 2	913.72	46.33	34357	15	0.00216966	2.00882027	0.00394201	1.75275136	0.01002415	1.54101254
Q9CPN8	Igf2bp3	Insulin-like growth factor 2 mRNA-binding protein 3	718.01	25.04	63575	12	0.00231054	1.78544989	0.00520482	1.58613127	0.01005202	1.49411623
P68101	Eif2s1	Eukaryotic translation initiation factor 2 subunit 1	875.77	56.19	36108	15	0.00122016	1.77990786	0.00120487	1.76006107	0.01011524	1.50134903
Q9ESL4	Map3k20	Mitogen-activated protein kinase kinase kinase 20	49.37	1.37	91720	1	0.00596638	2.41320931	0.00559181	2.37155768	0.01020082	2.2402711
Q64674	Srm	Spermidine synthase	395.57	28.48	33995	7	0.008966	1.90247721	0.0088168	1.90474247	0.01023651	1.79640871
P42225	Stat1	Signal transducer and activator of transcription 1	206.83	6.54	87197	3	0.01049524	2.8001083	0.00021956	4.11852707	0.0078638	3.40421503
Q9D8W5	Psmid12	26S proteasome non-ATPase regulatory subunit 12	660.49	26.75	52895	12	0.00192831	2.01469473	0.0060445	1.73240867	0.01051386	1.65360899
Q64737	Gart	Trifunctional purine biosynthetic protein adenosine-3	1890.06	40.79	107503	29	0.01057131	1.70642623	0.00766986	1.76470249	0.00515051	1.7992495
Q9QXK3	Copg2	Coatomer subunit gamma-2	486.4	11.14	97681	8	0.00024675	2.04776473	0.00659819	1.81102758	0.01058971	1.56907055
P47860	Pfklp	ATP-dependent 6-phosphofructokinase, platelet type	723.76	13.58	85720	9	0.00116711	1.96167276	0.00304995	1.70476886	0.0107005	1.54213843
P63028	Tpt1	Translationally-controlled tumor protein	252.57	44.19	19462	4	0.01081335	3.1603284	0.00340094	3.82131594	0.00375839	2.8316569
Q9D0F9	Pgm1	Phosphoglucomutase-1	431.85	17.08	61418	7	0.00712609	1.80880529	0.00639796	1.82094558	0.01089535	1.72682847
A2AGT5	Ckap5	Cytoskeleton-associated protein 5	457.24	5.81	225635	8	0.00148374	2.32080989	0.00437409	2.12821428	0.01101292	1.86263448
P61982	Ywhag	14-3-3 protein gamma	778.16	50.2	28303	14	0.01102109	3.43726853	5.5187E-05	3.30040113	0.0007996	2.70817269
Q9DBL7	Coasy	Bifunctional coenzyme A synthase	248.51	14.03	62023	5	0.00276322	1.97941254	0.0046899	1.87399365	0.01107071	1.71773872
Q8R016	Blmh	Bleomycin hydrolase	445.03	25.71	52511	9	0.01110962	3.00131526	0.00375562	2.60631235	0.01072846	2.29179313

Q99KK7	Dpp3	Dipeptidyl peptidase 3	655.5	29.67	82898	12	0.00303878	2.08946436	0.00236496	2.1470463	0.01111488	1.8024507
P57780	Actn4	Alpha-actinin-4	1551.8	35.31	104977	25	0.00242179	2.09795296	0.00160951	1.8922955	0.01118874	1.60534069
Q9CQV8	Ywhab	14-3-3 protein beta/alpha	847.91	48.37	28086	13	0.01125804	3.72619374	7.4442E-05	3.74242923	0.00096917	2.95242764
O35593	Psm14	26S proteasome non-ATPase regulatory subunit 14	324.09	27.1	34577	6	0.00252834	2.67970453	0.007176	2.35039481	0.0112923	2.20631872
P62329	Tmsb4x	Thymosin beta-4	241.93	68.18	5053	4	0.00079647	2.2575374	0.00251354	1.85855477	0.01135099	1.63757322
P68254	Ywhaq	14-3-3 protein theta	757.04	44.08	27778	12	0.01149333	3.86422706	6.3998E-05	3.97172384	0.00095664	3.09582993
O89053	Coro1a	Coronin-1A	1683.42	52.93	50989	27	0.01153418	1.26428259	0.00873765	1.28930416	0.00540547	1.24534617
Q91YQ5	Rpn1	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	1542.48	52.96	68528	26	0.01164191	0.77430334	0.00237197	0.69387136	0.00922413	0.76775143
P97823	Lypl1	Acyl-protein thioesterase 1	243.92	26.52	24688	4	0.00981292	2.20438901	0.00504534	2.35535751	0.01169479	2.0547268
Q8VEE4	Rpa1	Replication protein A 70 kDa DNA-binding subunit	669.48	23.76	69037	13	0.00864025	1.28815915	0.00305208	1.36794389	0.01169795	1.26487447
Q3TC93	Hs1bp3	HCLS1-binding protein 3	64.99	7.09	43691	2	0.0118285	4.3982344	0.00153068	3.65552526	0.0034517	3.01263051
Q9WVQ5	Apip	Methylthioribulose-1-phosphate dehydratase	149.19	15.35	26949	3	0.0011709	3.80861917	0.01185165	2.72759373	0.01017985	2.793871
P68510	Ywhah	14-3-3 protein eta	540.26	32.52	28212	10	0.01185252	4.24173441	8.3016E-05	4.21242647	0.00104642	3.30018323
P61924	Copz1	Coatomer subunit zeta-1	104.24	22.03	20198	3	0.01188518	2.8487158	0.00203767	3.21401831	0.00150165	2.92397124
Q9JJU8	Sh3bgr1	SH3 domain-binding glutamic acid-rich-like protein	362.73	70.18	12811	6	0.00384538	1.7702329	0.00158112	1.88170617	0.01193199	1.59758825
Q60902	Eps15l1	Epidermal growth factor receptor substrate 15-like 1	40.21	0.88	99309	1	0.01196475	7.58522997	0.00297321	6.90367382	0.00217316	6.73479465
Q3ZAV8	Edc4	Enhancer of mRNA-decapping protein 4	254.96	5.12	152596	4	0.00282114	2.73189985	0.00614262	2.46379115	0.01198324	2.365578
P85972	Vcl	Vinculin	822.95	16.79	116615	16	0.00010328	3.34406623	0.00343084	2.24702026	0.01199627	1.97484408
O89023	Tpp1	Tripeptidyl-peptidase 1	296.49	13.7	61342	5	0.0003403	2.38501797	0.0071549	1.62971152	0.01202099	1.5266068
Q68FD5	Cltc	Clathrin heavy chain 1	4125.47	48.42	191557	66	0.00059639	1.74239566	0.00408221	1.42125781	0.01207601	1.33447101
Q8BFY9	Tnpo1	Transportin-1	422.59	8.91	102357	8	0.00314217	2.52869094	0.0117011	2.14415203	0.01215523	2.14197289
Q62465	Vat1	Synaptic vesicle membrane protein VAT-1 homolog	696.42	37.19	43097	12	2.4693E-05	3.7232436	0.00160321	1.94428401	0.01216195	1.65079689
O35643	Ap1b1	AP-1 complex subunit beta-1	1039.42	27.47	103935	18	0.00651075	1.59468982	0.01216399	1.51999839	0.00738988	1.57306288
Q9JM76	Arcp3	Actin-related protein 2/3 complex subunit 3	372.7	44.38	20525	7	0.01232484	1.38658435	0.00251276	1.65860434	0.00698978	1.42848097
Q61655	Ddx19a	ATP-dependent RNA helicase DDX19A	562.17	30.54	53933	10	0.01236185	1.59606029	0.00349113	1.82853262	0.00183726	1.85919246
Q9R0N0	Galk1	Galactokinase	443.6	24.49	42295	9	0.00086948	2.79198867	0.00443582	2.34589072	0.01236571	2.01293141
Q11011	Npepps	Puromycin-sensitive aminopeptidase	553.2	11.3	103325	10	0.00153296	2.23537255	0.00191186	2.11147298	0.01258513	1.74998017
P27870	Vav1	Proto-oncogene vav	383.45	11.12	98137	8	4.6431E-05	2.60801711	0.00795862	1.62161135	0.01266437	1.55596119
Q8CIE6	Copa	Coatomer subunit alpha	1255.51	23.2	138432	23	0.00117866	1.80398437	0.00401636	1.59443144	0.01269316	1.46584444
Q61699	Hsph1	Heat shock protein 105 kDa	570.99	15.27	96407	10	0.00742817	2.21300297	0.00975393	2.16231721	0.01292059	2.12031647
Q9D8E6	Rpl4	60S ribosomal protein L4	1231.25	43.44	47154	19	0.01293427	0.79103727	0.00605106	1.31501654	0.00902844	1.29681625
P62908	Rps3	40S ribosomal protein S3	1407.47	75.72	26674	25	0.00847714	1.6575241	0.01302561	1.61399595	0.00916213	1.62840332
O35626	Rasd1	Dexamethasone-induced Ras-related protein 1	38.44	2.5	31684	1	0.0057892	3.20477177	0.01306511	2.8785153	0.01145799	2.81527332
Q9WUA3	Pfkl	ATP-dependent 6-phosphofructokinase, platelet type	1615	44.9	85455	23	0.00097149	2.02539639	0.00344987	1.78819363	0.01307974	1.59650442
Q64152	Btf3	Transcription factor BTF3	627.07	41.67	22031	9	0.01310571	1.50626455	0.00070093	1.83701155	0.00168054	1.74594055

Q9JLV6	Pnkp	Bifunctional polynucleotide phosphatase/kinase	384.78	21.65	57223	6	0.01333075	1.90586569	0.001088	2.18189934	0.0051578	1.8722446
Q9JHU9	Isyna1	Inositol-3-phosphate synthase 1	818.03	29.62	60932	14	0.01135643	1.69839714	0.00741395	1.79778404	0.01336193	1.67548929
Q64701	Rbl1	Retinoblastoma-like protein 1	57.19	0.85	119456	1	0.00853333	3.37485456	0.00615889	3.07850634	0.01337873	2.88814369
P29391	Ftl1	Ferritin light chain 1	538.2	49.18	20802	9	0.01340982	1.56457006	0.00067923	1.8660712	0.00364122	1.6540009
P29452	Casp1	Caspase-1	368.14	20.4	45640	7	0.00129632	2.20153931	0.00456577	1.97592971	0.0135596	1.73820356
P24547	Impdh2	Inosine-5'-monophosphate dehydrogenase 2	1327.83	39.49	55815	21	0.00467539	1.9612914	0.00576235	1.93530609	0.01368977	1.77809452
P97311	Mcm6	DNA replication licensing factor MCM6	1179.58	31.06	92867	20	0.01379	1.12479118	0.00255667	1.33469709	0.00801658	1.18851543
Q9EQK5	Mvp	Major vault protein	1635.94	43.32	95924	27	6.3272E-05	1.83480618	0.00277484	1.38014116	0.0138578	1.26922128
O70456	Sfn	14-3-3 protein sigma	158.96	12.1	27706	4	0.01386661	4.77773204	9.1009E-05	4.86969911	0.00101367	3.74191084
P60892	Prps1	Ribose-phosphate pyrophosphokinase 1	692	38.99	34834	14	0.00293677	1.77954687	0.01036453	1.60037607	0.01395034	1.55739398
P97814	Pstpip1	Proline-serine-threonine phosphatase-interacting protein 1	136.51	8.92	47590	2	0.01404523	3.13393141	0.00230981	2.84721269	0.00535192	2.5712778
O35344	Kpna3	Importin subunit alpha-4	219.47	9.21	57773	3	0.0030227	1.70229045	0.00064438	1.86730798	0.01405618	1.56949804
Q8CI51	Pdlim5	PDZ and LIM domain protein 5	341.34	16.24	63299	7	0.00201011	2.44149867	0.00369845	2.26256555	0.01411944	1.94005745
Q91YI0	Asl	Argininosuccinate lyase	446.52	23.28	51739	9	0.00986581	4.56989509	0.00030277	2.74060914	0.01421357	2.57123115
Q922D8	Mthfd1	C-1-tetrahydrofolate synthase, cytoplasmic	1267.38	30.05	101200	25	0.01425468	1.60915838	0.00235756	1.84931023	0.01233698	1.61178568
Q6P7P5	Bzw1	Basic leucine zipper and W2 domain-containing protein 1	165.36	12.65	48043	4	0.01429354	2.59191696	0.00396816	2.49533869	0.00230371	2.52230883
Q9CS42	Prps2	Ribose-phosphate pyrophosphokinase 2	700.74	38.05	34786	13	0.00587493	1.71125473	0.0119677	1.62513729	0.01434551	1.59075453
Q8CG48	Smc2	Structural maintenance of chromosomes protein 2	717.19	15.03	134239	14	0.01440702	1.64848593	0.0036029	2.15783547	0.00237216	1.79214874
P70698	Ctps1	CTP synthase 1	300.54	13.54	66682	6	0.00780097	1.9806349	0.00420713	2.10254935	0.014408	1.85297967
Q80UG5	Sept9	Septin-9	280.17	15.09	65575	6	0.00498564	1.90691751	0.0092532	1.77628273	0.01458151	1.70328967
P41542	Uso1	General vesicular transport factor p115	208.86	6.26	107162	5	0.01459747	5.60508157	0.00131092	3.61815312	0.011886	2.95517781
O08539	Bin1	Myc box-dependent-interacting protein 1	257.22	14.12	64470	5	0.00059749	1.70426064	0.0111887	1.52600394	0.01467834	1.43462441
Q8K2H2	Otud6b	Deubiquitinase OTUD6B	56.43	4.42	33758	1	0.0058903	1.72767252	0.00421087	1.82136054	0.01468648	1.64671662
O08807	Prdx4	Peroxiredoxin-4	450.91	46.72	31053	10	0.01262152	3.79366089	0.01395586	2.76811746	0.01479374	3.0136146
Q8VE47	Uba5	Ubiquitin-like modifier-activating enzyme 5	172.25	12.16	44790	3	0.00536551	3.95120937	0.00584772	3.8229462	0.01487708	3.09335054
P61759	Vbp1	Prefoldin subunit 3	245.47	32.14	22436	5	0.01306699	3.14104236	0.01488227	3.02429811	0.01121192	3.13734596
Q8K1R7	Nek9	Serine/threonine-protein kinase Nek9	179.81	5.39	107143	4	0.01282458	2.26772634	0.00289355	2.2724479	0.01496115	2.04977064
Q9DBG5	Plin3	Perilipin-3	847.34	42.79	47262	13	5.7478E-05	2.69124804	0.00785389	1.72692256	0.01497033	1.59110506
Q8K0C9	Gmds	GDP-mannose 4,6 dehydratase	127.7	6.72	41985	2	0.01497472	4.15792285	0.01490694	3.41357701	0.00795831	3.70428436
Q8VBW6	Nae1	NEDD8-activating enzyme E1 regulatory subunit	117.42	4.68	60274	2	0.0150448	4.29605847	0.00102076	3.68066202	0.00222686	2.99596093
Q9R1T2	Sae1	SUMO-activating enzyme subunit 1	772	46.57	38620	14	0.00873978	2.02017821	0.00278932	2.1745769	0.01508876	1.79045082
Q99J77	Nans	Sialic acid synthase	490.18	37.05	40024	9	0.00571753	2.30610314	0.00793508	2.24277646	0.01523056	2.09708339
Q80UM3	Naa15	N-alpha-acetyltransferase 15, NatA auxiliary subunit	438.56	14.1	100961	9	0.00085638	2.83885822	0.0152971	2.01687204	0.01366705	2.03877833
Q922B2	Dars	Aspartate--tRNA ligase, cytoplasmic	1347.24	53.09	57147	25	0.00882853	1.64928121	0.00420408	1.73333781	0.01535837	1.56821168
P21300	Akr1b7	Aldose reductase-related protein 1	337.12	13.92	35988	7	0.00124418	1.67543821	0.00198853	1.41934951	0.0153678	1.30021728



Q9CR16	Ppid	Peptidyl-prolyl cis-trans isomerase D	365.23	17.3	40743	6	0.01543977	1.8817826	0.00019022	2.59762394	0.00120198	2.33159348
P05201	Got1	Aspartate aminotransferase, cytoplasmic	924.57	44.79	46248	16	0.00053469	2.13319128	0.00535063	1.71883766	0.01548456	1.57214479
P50518	Atp6v1e1	V-type proton ATPase subunit E 1	463.81	41.59	26157	8	0.00731144	1.31380036	0.00890692	1.32786387	0.01548741	1.25813777
Q91WQ3	Yars	Tyrosine--tRNA ligase, cytoplasmic	429.69	22.92	59105	10	0.00811271	1.82973205	0.00408499	1.9734649	0.01554316	1.68264335
Q60865	Caprin1	Caprin-1	810.19	24.89	78169	14	0.01561813	1.84725197	0.00343468	2.03706762	0.00388513	1.98376526
Q8C052	Map1s	Microtubule-associated protein 1S	144.55	3.8	102939	3	0.00831686	2.34691435	0.0123184	2.17145469	0.01572284	2.09300365
Q3V1L4	Nt5c2	Cytosolic purine 5'-nucleotidase	252.59	10.18	64809	5	0.01572653	2.27276323	0.0092182	2.43344306	0.01030758	2.38417881
P10518	Alad	Delta-aminolevulinic acid dehydratase	433.91	32.12	36024	7	0.01575555	2.45162431	0.00051783	2.68312291	0.00425123	2.19358104
Q80X50	Ubap2l	Ubiquitin-associated protein 2-like	395.32	10.03	116799	6	0.01578892	1.87205897	0.00684492	2.03690191	0.00906395	1.97527899
Q91XU1	Qki	Protein quaking	278.1	23.17	37643	5	0.00137872	1.50317479	0.00050254	1.5186154	0.01583223	1.43848811
Q8BQM4	Heatr3	HEAT repeat-containing protein 3	196.51	7.22	74305	4	0.01583844	2.39157976	0.01497644	2.42281052	0.0150015	2.42077633
P61965	Wdr5	WD repeat-containing protein 5	83.17	4.19	36588	1	0.00770024	3.20484955	0.01504891	2.75348509	0.01586185	2.71117771
Q80YW0	Cyth4	Cytohesin-4	46.49	2.54	45285	1	0.00389308	3.36576861	0.01188443	2.69482828	0.01592088	2.583298
P62869	Elob	Elongin-B	518.34	66.95	13170	10	0.01592281	2.12597761	0.00958745	2.1082206	0.01505218	1.98930319
P31230	Aimp1	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1	401.65	45.16	33997	8	0.00119817	1.75613977	0.01594302	1.44267214	0.0050613	1.4865485
D3ZYR1	Fcho2	F-BAR domain only protein 2	49.33	2.97	88712	1	0.00435618	4.28453116	0.01619426	4.95990748	0.00209817	4.63544887
Q8R180	Ero1a	ERO1-like protein alpha	441.46	17.89	54084	8	0.01043578	2.48756702	0.01623229	2.30877581	0.01229108	2.39453963
P35979	Rpl12	60S ribosomal protein L12	472.11	49.7	17805	6	0.0162397	1.32336812	0.00121557	1.52298826	0.00133828	1.53906608
P43277	Hist1h1d	Histone H1.3	813.93	38.01	22100	13	0.01634447	0.59091289	0.00684338	0.50916791	0.00829423	0.506775
P80315	Cct4	T-complex protein 1 subunit delta	2112.64	60.67	58066	29	0.01391766	1.57542115	0.00502424	1.73844345	0.01635686	1.54408258
O70593	Sgta	Small glutamine-rich tetratricopeptide repeat-containing protein alpha	316.14	23.89	34157	6	0.00879279	1.81703353	0.01669315	1.72117893	0.01224964	1.77985101
Q920A5	Scepe1	Retinoid-inducible serine carboxypeptidase	331.76	19.03	50965	7	0.0004099	2.8752249	0.00983286	2.06660727	0.01670195	1.89895759
Q68FL4	Ahcyl2	Putative adenosylhomocysteinase 3	238.46	7.01	66899	5	0.01670437	2.65994044	0.00287117	3.34846301	0.01365973	2.76222077
Q99M31	Hspa14	Heat shock 70 kDa protein 14	198.91	10.81	54650	4	0.01671701	2.00172747	0.01162644	2.12728439	0.01426866	2.0404933
Q8R1Q8	Dync1li1	Cytoplasmic dynein 1 light intermediate chain 1	437.14	22.18	56614	7	0.00291871	2.08694765	0.00646816	2.00165858	0.0167581	1.73824271
Q64261	Cdk6	Cyclin-dependent kinase 6	254.71	26.69	37028	6	0.00678524	2.52218393	0.00405253	2.62715599	0.01675877	2.1791706
Q9D0R2	Tars	Threonine--tRNA ligase, cytoplasmic	1509.11	42.52	83356	27	0.00208139	2.39805316	0.00847284	2.04525472	0.01678169	1.88727945
Q8R317	Ubqln1	Ubiquilin-1	106.21	5.5	61976	2	0.00425588	2.16641368	0.00798955	2.15652315	0.01691308	1.97832078
Q9Z0N1	Eif2s3x	Eukaryotic translation initiation factor 2 subunit 3, X-linked	1076	43.64	51065	18	0.00194641	1.55654939	0.00681801	1.43493524	0.01695843	1.34670194
P11983	Tcp1	T-complex protein 1 subunit alpha	2145.54	64.57	60449	31	0.01716887	1.5139812	0.00757772	1.61480301	0.01718228	1.52430482
O08618	Prpsap2	Phosphoribosyl pyrophosphate synthase-associated protein 2	179.36	11.92	40867	3	0.01744194	1.76333784	0.0048627	2.06253887	0.01336708	1.79432297
Q91WU5	As3mt	Arsenite methyltransferase	146.66	13.3	41794	3	0.01745615	2.60141817	0.0018034	2.93221593	0.0145237	2.26337155
Q8BU30	Iars	Isoleucine--tRNA ligase, cytoplasmic	391.51	7.21	144271	8	0.00092738	2.9502803	0.00194861	2.6659746	0.01754628	2.0694212
P15864	Hist1h1c	Histone H1.2	908.99	43.4	21267	14	0.01757661	0.59979847	0.00731404	0.51570212	0.00936554	0.5211681
P36876	Ppp2r2a	Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform	410.72	18.79	51678	8	0.01187824	1.80279655	0.00855695	1.87381665	0.01778083	1.69215495
Q9QYI3	Dnajc7	DnaJ homolog subfamily C member 7	224.76	8.1	56476	3	0.01779663	1.90192445	0.00404674	2.18229088	0.00267067	2.17642848
Q01730	Rsu1	Ras suppressor protein 1	148.7	24.19	31550	3	0.01753895	2.17210426	0.00143004	2.77437088	0.01792899	2.18314966

P35738	Bckdhb	2-oxoisovalerate dehydrogenase subunit beta, mitochondrial	69.84	2.82	42823	1	0.00245432	5.19677231	0.01796007	3.43924875	0.00582005	4.26739506
O70325	Gpx4	Phospholipid hydroperoxide glutathione peroxidase	95.59	11.68	22229	2	0.00020075	2.7238284	0.00622928	1.89466517	0.01806753	1.84572476
P62774	Mtpn	Myotrophin	239.8	35.59	12861	3	0.01822485	2.01811078	0.00163008	2.80908485	0.00573606	2.36491178
Q64105	Spr	Sepiapterin reductase	763.56	59.39	27883	12	0.01825109	1.68781506	0.0005578	2.0902804	0.00197497	1.84630512
Q76MZ3	Ppp2r1a	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	1267.77	41.77	65323	20	0.0022453	1.86307563	0.00934005	1.6280552	0.01859034	1.52956639
Q9WTM5	Ruvbl2	RuvB-like 2	874.24	33.26	51113	15	0.01870116	1.19455657	0.01833478	1.19119116	0.01198862	1.19434253
P62196	Psmc5	26S proteasome regulatory subunit 8	759.97	40.39	45626	13	0.01892546	1.19654694	0.00841795	1.46347409	0.00012766	1.44623033
Q8CHP8	Pgp	Glycerol-3-phosphate phosphatase	436.34	35.2	34541	8	0.01912144	2.04701376	0.00747113	2.33961052	0.01425761	2.14426835
P81799	Nagk	N-acetyl-D-glucosamine kinase	56.74	2.92	37196	1	0.00022515	5.63744467	0.00190332	3.90399187	0.01914992	2.68400621
Q6A0A9	FAM120A	Constitutive coactivator of PPAR-gamma-like protein 1	371.15	9.71	121646	8	0.01917921	1.41516103	6.7606E-05	1.52395975	0.00024157	1.42359259
Q91VX2	Ubap2	Ubiquitin-associated protein 2	204.92	5.57	117966	4	0.01922225	2.52669895	0.0031892	3.29481862	0.0046678	3.25023138
Q53UA7	Taok3	Serine/threonine-protein kinase TAO3	164.73	5.01	105474	4	0.00191131	1.61005469	0.00966163	1.58426721	0.01928865	1.49265275
Q8C0M9	Asrg11	Isoaspartyl peptidase/L-asparaginase	169.81	11.04	33950	3	0.01183379	2.24578458	0.01939157	2.22358014	0.01209901	2.23781103
P31750	Akt1	RAC-alpha serine/threonine-protein kinase	48.16	1.67	55707	1	0.00081614	3.25913108	0.0028756	2.63246496	0.01948558	2.10121201
Q9Z1F9	Uba2	SUMO-activating enzyme subunit 2	895.4	44.83	70569	16	0.0196474	1.80132431	0.00839548	1.99801439	0.01479177	1.85577346
Q8K2Z4	Ncapd2	Condensin complex subunit 1	266.42	6.03	155665	6	0.00086854	2.5805551	0.00993117	1.96535389	0.01972548	1.87743138
Q9D1A2	Cndp2	Cytosolic non-specific dipeptidase	693.95	35.37	52767	13	0.00076686	2.58556017	0.00368463	1.97943954	0.01983001	1.69705581
P03995	Gfap	Glial fibrillary acidic protein	164.37	6.05	49900	3	0.01991236	3.11645348	0.00348299	1.82536956	0.01084924	1.65745195
Q5XIG8	Strap	Serine-threonine kinase receptor-associated protein	524.02	46.57	38456	8	0.02005119	2.11047004	0.01138976	2.26597335	0.01936298	2.11604368
O88844	Idh1	Isocitrate dehydrogenase [NADP] cytoplasmic	804.68	35.27	46674	14	0.00297626	2.12810284	0.00825953	1.93935448	0.02018182	1.72393153
Q9Z2Y8	Plpbp	Pyridoxal phosphate homeostasis protein	82.71	4.74	30049	1	0.01910448	3.34310623	0.00310046	4.2883222	0.02019238	3.72675389
Q8BMA6	Srp68	Signal recognition particle subunit SRP68	165.72	6.72	70574	3	0.00033855	1.88335488	0.0203037	1.50378622	0.00669376	1.46670078
P08030	Aprt	Adenine phosphoribosyltransferase	923.16	78.89	19724	14	0.02040937	1.85381064	0.01227667	1.79366531	0.01384766	1.68824455
P62843	Rps15	40S ribosomal protein S15	323.18	39.31	17040	5	0.00174931	2.65549357	0.020456	2.03774884	0.00631697	2.28970388
P80313	Cct7	T-complex protein 1 subunit eta	2365.11	69.49	59652	36	0.00613542	1.79371213	0.0080474	1.73947852	0.02074624	1.60494262
Q8R0H9	Gga1	ADP-ribosylation factor-binding protein GGA1	176.33	7.56	69972	4	0.00365921	2.41912544	0.00245565	2.51737435	0.02078925	1.96944561
P51855	Gss	Glutathione synthetase	236.54	14.14	52247	4	0.00111509	2.0950239	0.00333389	1.91726387	0.02093064	1.56120363
Q99MD9	Nasp	Nuclear autoantigenic sperm protein	531.58	14.88	83954	7	0.02105134	1.63055917	0.00443536	1.90488985	0.00565787	1.86231024
Q99KQ4	Nampt	Nicotinamide phosphoribosyltransferase	468.5	22.81	55447	9	0.00228495	3.02127711	0.0095988	2.38541165	0.02113686	2.15953189
Q8K2I4	Manba	Beta-mannosidase	285.63	6.6	100831	6	0.00377655	3.89620192	0.00721638	3.07340391	0.02114637	2.58637776
Q9WVA4	Tagln2	Transgelin-2	1756.11	79.4	22395	24	0.01591698	1.46577594	0.00210889	1.67197219	0.02116969	1.40823054
Q9WUA2	Farsb	Phenylalanine--tRNA ligase beta subunit	563.32	21.9	65697	12	0.01407065	1.63949902	0.01028005	1.69248441	0.02127068	1.55805299
Q9Z0S1	Bpnt1	3'(2'),5'-bisphosphate nucleotidase 1	407.94	30.19	33196	7	0.01681864	2.21436274	0.02143726	2.10314073	0.01921319	2.15883069
P0C0A1	Vps25	Vacuolar protein-sorting-associated protein 25	121.19	21.02	20762	3	0.00042836	1.93622525	0.00249991	2.18546916	0.02151336	2.21987222

Q8VBT6	Apobr	Apolipoprotein B receptor	546.98	14.65	102705	12	0.00726428	1.75178986	0.02159432	1.60301839	0.01571384	1.62228704
Q6P8X1	Snx6	Sorting nexin-6	187.77	15.02	46649	4	0.02179279	2.64103636	0.00245634	2.5573875	0.00984359	2.21288145
Q91YR9	Ptgr1	Prostaglandin reductase 1	402.74	27.36	35560	8	0.00049085	2.60948212	0.00868969	1.91291091	0.02186233	1.74016559
Q921M7	Fam49b	Protein FAM49B	700.82	35.49	36776	11	0.01431855	1.75724807	0.01258085	1.75199264	0.02205364	1.66346916
Q80U87	Usp8	Ubiquitin carboxyl-terminal hydrolase 8	305.92	7.96	122611	7	0.01038526	1.98851831	0.00654616	2.05181481	0.02209117	1.80719322
P62482	Kcnab2	Voltage-gated potassium channel subunit beta-2	227.05	22.62	41021	5	0.00263218	3.19421431	0.00563724	2.82678233	0.02226025	2.33339684
Q62348	Tsn	Translin	380.23	31.14	26201	7	0.0222828	1.71803743	0.00302405	2.02021335	0.01062554	1.78304869
O54940	Bnip2	BCL2/adenovirus E1B 19 kDa protein-interacting protein 2	69.71	7.67	37769	2	0.02238415	1.91530514	0.00666301	2.28902636	0.0191228	1.95313972
P80317	Cct6a	T-complex protein 1 subunit zeta	1456.67	53.3	58004	26	0.00881098	1.62161497	0.00807926	1.61717316	0.02240464	1.47400785
Q62448	Eif4g2	Eukaryotic translation initiation factor 4 gamma 2	512.45	14.68	102106	10	0.00983686	1.94889311	0.02252496	1.78972125	0.01028153	1.92954784
Q9CQ75	Ndufa2	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	75.5	14.14	10916	1	6.4274E-05	0.54986125	0.00246301	0.77002219	0.02272733	0.85793421
Q9ERK4	Cse1l	Exportin-2	802.11	18.54	110455	15	0.00698213	2.79270048	0.00789034	1.54449041	0.02273709	1.42079041
Q03265	Atp5f1a	ATP synthase subunit alpha, mitochondrial	2770.93	62.39	59753	40	0.023085	0.79802334	0.00297033	0.67760753	0.01852161	0.80316051
P24155	Thop1	Thimet oligopeptidase	192.1	5.53	78385	4	0.00927121	2.92439622	0.01012575	2.77871981	0.02328128	2.46475306
Q9WUM4	Coro1c	Coronin-1C	861.13	36.08	53121	13	4.791E-05	1.87862627	0.00161111	1.47205383	0.02335657	1.27143632
Q3THS6	Mat2a	S-adenosylmethionine synthase isoform type-2	561.82	31.9	43689	12	0.00743236	2.05894028	0.02359826	1.78548524	0.01270424	1.9405132
P22509	Fbl	rRNA 2'-O-methyltransferase fibrillarin	918.82	58.1	34222	16	0.00556789	0.51812812	0.00958939	0.58978314	0.02361586	0.67461054
Q7TQH0	Atxn2l	Ataxin-2-like protein	476.95	12.2	110649	9	0.02367249	1.68172305	0.00467551	2.03439096	0.00452857	2.00516972
Q9D662	Sec23b	Protein transport protein Sec23B	697.68	21.51	86437	11	0.00573604	1.65128942	0.01500205	1.52518487	0.02367749	1.45807484
Q91YJ3	Thyn1	Thymocyte nuclear protein 1	78.47	6.64	26178	2	0.01829602	2.22878817	0.00907211	2.50987416	0.02434082	2.15513556
P27612	Plaa	Phospholipase A-2-activating protein	554.38	17.76	87221	10	0.00699567	2.30887631	0.00971758	2.20197639	0.0244399	1.97738065
P0C0A2	Vps36	Vacuolar protein-sorting-associated protein 36	173.53	11.14	43718	4	0.0245385	2.09247278	0.01082761	1.77229739	0.00583723	1.88201853
Q8R3C0	Mcmbp	Mini-chromosome maintenance complex-binding protein	370.98	17.45	72891	7	0.02455498	1.76461179	0.00064883	2.26161631	0.00128187	2.11301557
P04256	Hnrnpa1	Heterogeneous nuclear ribonucleoprotein A1	1476.03	55.31	34212	21	0.00553341	0.57075028	0.01747623	0.68097114	0.02476358	0.70446812
Q9CRB9	Chchd3	MICOS complex subunit Mic19	349.08	19.82	26335	6	0.02477653	0.73182971	0.01033072	0.69387607	0.01990358	0.74677104
Q8BH43	Wasf2	Wiskott-Aldrich syndrome protein family member 2	243.43	10.66	54074	4	0.02479965	1.64335568	0.0141539	1.76279647	0.02319507	1.63956364
P51807	Dynl1	Dynein light chain Tctex-type 1	61.35	15.93	12483	1	0.0203321	7.64231856	0.01506194	17.7155665	0.02487123	9.54979849
P43275	Hist1h1a	Histone H1.1	511.19	36.15	21785	9	0.00899657	0.54657376	0.01061498	0.55716017	0.02492405	0.64936396
Q9JLT4	Txnr2	Thioredoxin reductase 2, mitochondrial	176.76	5.15	56603	2	0.00107655	2.67792653	0.01858993	1.47283462	0.02494514	1.43157569
Q9CRC8	Lrrc40	Leucine-rich repeat-containing protein 40	133.78	4.32	68076	2	0.017739	2.08485868	0.0137397	2.19980219	0.02501882	1.98221815
P26638	Sars	Serine--tRNA ligase, cytoplasmic	726.71	29.69	58389	14	0.00143947	2.23433598	0.00955815	1.81522605	0.02567245	1.62111582
P51859	Hdgf	Hepatoma-derived growth factor	430.74	49.37	26269	8	0.007835	1.62608083	0.01427802	1.53840245	0.02571553	1.46526639
Q8R2E9	Ero1b	ERO1-like protein beta	223.18	8.99	53518	4	0.02575067	2.36895812	0.0198256	2.31144143	0.02474293	2.25667638

O70194	Eif3d	Eukaryotic translation initiation factor 3 subunit D	987.19	39.42	63989	16	0.02576396	1.59469095	0.00644004	1.84514978	0.00798843	1.80884568
Q9DCD0	Pgd	6-phosphogluconate dehydrogenase, decarboxylating	1873.08	56.52	53247	26	0.01545419	1.52022219	0.0061289	1.63372804	0.02581678	1.46010803
P18654	Rps6ka3	Ribosomal protein S6 kinase alpha-3	78.01	2.57	83694	2	0.02269832	2.04322164	0.01834554	2.08062546	0.02584691	1.99303192
Q6AYH5	Dctn2	Dynactin subunit 2	166.19	8.21	44148	3	0.02587724	4.18954422	0.00203875	4.57825432	0.00332793	3.28801946
Q60864	Stip1	Stress-induced-phosphoprotein 1	1023.65	37.57	62582	19	0.02592044	1.57235119	0.0073792	1.7885527	0.01830062	1.62442215
O88342	Wdr1	WD repeat-containing protein 1	1345.48	49.83	66407	20	0.00109779	2.06149052	0.01039161	1.64264009	0.02592046	1.51088301
Q9CQX2	Cyb5b	Cytochrome b5 type B	95.89	15.75	16318	2	0.02075421	0.47104351	0.0055933	0.69418288	0.02596132	0.7857803
Q91YR5	Mettl13	Methyltransferase-like protein 13	87.05	3.01	78757	2	0.00152169	3.33328474	0.00470925	2.4975636	0.02599988	2.1365429
Q63468	Prpsap1	Phosphoribosyl pyrophosphate synthase-associated protein 1	397.12	25.84	39436	7	0.02607853	1.80693771	0.0050533	2.22854087	0.01865443	1.88603495
P21708	Mapk3	Mitogen-activated protein kinase 3	385.13	23.16	43081	9	0.00149636	2.24713392	0.02614598	1.61092082	0.0238451	1.62544307
Q05816	Fabp5	Fatty acid-binding protein 5	1148.5	80	15137	16	0.00012907	3.1508602	0.01748774	1.8161267	0.02618138	1.73604111
Q8R050	Gspt1	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A	416.34	21.7	68625	9	0.02168708	1.36202467	0.0262134	1.35544363	0.00801792	1.45358505
Q9CPV4	Glod4	Glyoxalase domain-containing protein 4	677.95	56.71	33317	16	0.00779255	2.2280222	0.00911942	2.00870778	0.02653183	1.77128063
Q8BFT2	Haus4	HAUS augmin-like complex subunit 4	40.47	7.16	42197	1	0.00228087	9.77083389	0.00060917	8.23616149	0.02658017	6.84280266
Q02053	Uba1	Ubiquitin-like modifier-activating enzyme 1	1796.89	34.5	117809	27	0.00209868	2.06682097	0.00490703	1.88356472	0.02665266	1.60087125
Q9JL16	Scly	Selenocysteine lyase	153.62	15.97	47174	4	0.01032159	2.1785711	0.02449783	1.8818543	0.02666113	1.87909002
Q0P5W1	Vps8	Vacuolar protein sorting-associated protein 8 homolog	37.15	0.49	161146	1	0.02395222	2.12453747	0.02673245	2.10042688	0.02453819	2.42493212
O54747	Pold1	DNA polymerase delta catalytic subunit	298.75	6.26	123601	7	0.00171009	2.23122762	0.00809476	1.8887157	0.02676927	1.77697325
Q9WTP7	Ak3	GTP:AMP phosphotransferase AK3, mitochondrial	259.55	31.72	25426	4	0.00046134	3.13276516	0.02691562	2.25021312	0.00327518	2.48598356
P56383	Atp5mc2	ATP synthase F(0) complex subunit C2, mitochondrial	220.62	26.03	15476	2	0.02495472	0.03492645	0.02693479	0.05645733	0.02676338	0.05713911
Q9Z0R6	Itsn2	Intersectin-2	44.16	0.72	188908	1	0.01033173	2.76783894	0.02712908	2.39817546	0.01983257	2.51451294
Q9D0I9	Rars	Arginine--tRNA ligase, cytoplasmic	1329.99	40	75674	23	0.0014037	2.28704016	0.01906184	1.65611646	0.02723894	1.5974007
Q80TY0	Fnbp1	Formin-binding protein 1	434.16	17.05	71344	8	0.02739869	2.53916906	0.0008792	2.74140269	0.0036831	2.39114342
Q8BVY0	Rsl1d1	Ribosomal L1 domain-containing protein 1	1118.56	40.71	50421	14	0.01085156	0.56861849	0.0170327	0.61137556	0.02740042	0.67178217
Q9D7H3	RtcA	RNA 3'-terminal phosphate cyclase	185.8	12.02	39254	3	0.01219012	2.12236153	0.01548305	2.06913062	0.02757937	1.92512627
P28740	Kif2a	Kinesin-like protein KIF2A	116.47	3.4	79756	2	0.02761306	2.45429703	0.02066024	2.90763025	0.0215449	2.67771205
Q9JL18	Sart3	Squamous cell carcinoma antigen recognized by T-cells 3	366.2	9.88	109619	7	0.02288147	1.81526031	0.0219199	1.84836466	0.02765219	1.78668711
Q8BKC5	Ipo5	Importin-5	778.2	19.05	123591	14	0.00103119	2.29716036	0.00765254	1.74111687	0.02782527	1.67006497
Q4KM73	Cmpk1	UMP-CMP kinase	380.87	47.45	22169	8	0.02787168	1.43788524	6.1307E-05	2.01510611	0.00602171	1.63567625
P53811	Pitpnb	Phosphatidylinositol transfer protein beta isoform	221.46	27.68	31487	6	0.01257108	1.96824696	0.02792894	1.84734165	0.01276518	1.97140375
Q3V1V3	Esf1	ESF1 homolog	48.98	1.42	98048	1	0.01055273	2.18722877	0.02794448	1.88440495	0.02223978	1.95910341
P97369	Ncf4	Neutrophil cytosol factor 4	670.34	50.74	38707	12	0.00469536	1.29481554	0.02814651	1.27098724	0.01227834	1.24105181
O88902	Ptpn23	Tyrosine-protein phosphatase non-receptor type 23	87.02	1.73	163454	2	0.02444372	3.3556974	0.02817442	2.56206067	0.02458962	2.65945608
Q9QYB1	Clic4	Chloride intracellular channel protein 4	921.84	57.31	28729	13	0.0158789	1.99627491	0.00392684	2.08250765	0.02821028	1.68461814



P98078	Dab2	Disabled homolog 2	1050.78	29.63	82312	15	0.02835007	1.513779	0.00603409	1.73381721	0.0131615	1.62052403
P97930	Dtymk	Thymidylate kinase	129.43	16.04	23915	3	0.02853903	2.63740429	0.01606885	2.83954051	0.01955781	2.75423001
O35303	Dnm1l	Dynamin-1-like protein	296.86	8.61	83908	6	0.00996664	2.26018515	0.01154429	2.30301187	0.02858712	1.98157394
Q80X80	C2cd2l	Phospholipid transfer protein C2CD2L	53.79	1.42	76329	1	0.00386636	3.26660375	0.01959963	2.91523395	0.0287533	2.4369395
Q8K2T1	Nmral1	NmrA-like family domain-containing protein 1	111.05	7.77	34376	3	0.02557357	2.31253356	0.01374884	2.53752836	0.02876229	2.28285862
D3ZLZ7	Impdh1	Inosine-5'-monophosphate dehydrogenase 1	229.12	6.61	55293	4	0.00797383	2.38931879	0.02215604	2.06092452	0.02879207	1.99476559
P53996	Cnbp	Cellular nucleic acid-binding protein	330.92	43.26	19592	6	0.02834141	1.49134195	0.02886572	1.59774735	0.00319163	1.78562024
Q9Z1D1	Eif3g	Eukaryotic translation initiation factor 3 subunit G	286.33	14.69	35638	5	0.02892087	1.65160598	0.00768709	1.52133001	0.00504867	1.73185838
Q99JW2	Acy1	Aminoacylase-1	645.02	33.09	45781	9	0.01472537	1.79324325	0.01051971	1.81407272	0.02905433	1.63196116
Q9JL35	Hmgn5	High mobility group nucleosome-binding domain-containing protein 5	149.55	10.1	45344	4	0.02527542	0.50740918	0.00807204	1.42439494	0.02915977	1.23901352
Q8C0C7	Farsa	Phenylalanine--tRNA ligase alpha subunit	426.86	15.94	57599	9	0.02917258	1.60787486	0.00657947	1.87635883	0.01493252	1.7222437
P28352	Apex1	DNA-(apurinic or apyrimidinic site) lyase	455.02	35.33	35490	7	0.02956896	1.34403452	0.00100195	1.55098555	0.00302843	1.44211409
Q8CI33	Cwf19l1	CWF19-like protein 1	80.37	5.4	60193	2	0.02319798	2.53810028	0.01021588	2.49364198	0.02959012	2.18078353
Q07813	Bax	Apoptosis regulator BAX	354.61	40.62	21395	5	0.00703195	1.53482362	0.02968716	1.56337712	0.01021255	1.4750221
P70315	Was	Wiskott-Aldrich syndrome protein homolog	155.03	13.08	54192	3	0.02972752	1.89485362	0.01430815	2.08118404	0.02567498	1.92870939
P84091	Ap2m1	AP-2 complex subunit mu	534.71	31.26	49655	12	0.01998741	1.65306408	0.02985574	1.59249466	0.02986191	1.5861732
Q9JMH6	Txnrd1	Thioredoxin reductase 1, cytoplasmic	1055.88	42.09	67084	15	0.00057595	2.31336997	0.00713241	1.84782982	0.02990972	1.56522259
Q99K01	Pdxcl	Pyridoxal-dependent decarboxylase domain-containing protein 1	76.39	2.8	87335	2	0.02999661	2.90676381	0.01900477	2.46196601	0.01928968	2.56004913
Q5U211	Snx3	Sorting nexin-3	327.21	52.47	18762	6	0.03013961	1.43317384	0.00698745	1.62607385	0.01690616	1.49888259
P10605	Ctsb	Cathepsin B	1457.13	63.72	37280	21	2.0479E-05	2.99719308	0.03018029	1.48687771	0.02411858	1.52592018
Q6DGG1	Abhd14b	Protein ABHD14B	72.93	10	22618	2	0.02615834	3.04490544	0.01113292	3.51425695	0.03036058	3.00677212
Q99JF8	Psip1	PC4 and SFRS1-interacting protein	373.52	17.23	59697	7	0.00047579	0.72216714	0.03046361	0.80850161	0.02109551	0.83723915
Q8BFQ8	Gatd1	Glutamine amidotransferase-like class 1 domain-containing protein 1	117.08	10.45	23277	2	0.03049839	1.95600172	0.0085287	2.29092412	0.02719874	2.00893158
Q8R5A3	Apbb1ip	Amyloid beta A4 precursor protein-binding family B member 1-interacting protein	68.3	5.07	74319	2	0.03086109	3.78145633	0.0168605	4.2251539	0.01409451	4.37019467
Q3TIV5	Zc3h15	Zinc finger CCCH domain-containing protein 15	188.14	8.22	48327	3	0.03092117	1.60340225	0.02610916	1.63019419	0.02483894	1.63466191
Q9JHW2	Nit2	Omega-amidase NIT2	523.68	35.87	30502	8	0.00300599	2.54664086	0.01248529	2.12730001	0.03127174	1.89235957
Q3UQ44	Iqgap2	Ras GTPase-activating-like protein IQGAP2	100.96	1.14	180528	2	0.01107308	2.46881522	0.01327023	1.69969628	0.03140823	1.54440104
Q9QUJ7	Acsl4	Long-chain-fatty-acid--CoA ligase 4	825.24	29.68	79077	16	0.00733325	1.63895862	0.02011737	1.47813783	0.03143998	1.42283008
Q6PAR5	Gapvd1	GTPase-activating protein and VPS9 domain-containing protein 1	154.87	3.02	162402	3	0.01937989	3.31629416	0.00102121	3.30095853	0.03161005	2.3527487
P39749	Fen1	Flap endonuclease 1	554.75	21.43	42315	9	0.03165576	1.41058337	0.00186412	1.79222631	0.00278405	1.64896842
P53534	Pygb	Glycogen phosphorylase, brain form	585.22	16.71	96174	10	0.00067332	2.75619703	0.00741779	1.97380091	0.03167476	1.67080699

Q9ERS5	Plekha2	Pleckstrin homology domain-containing family A member 2	91.66	5.65	47380	2	0.01513436	2.48156028	0.03180204	2.00530654	0.02074058	2.19334537
Q9D8N0	Eef1g	Elongation factor 1-gamma	1473.49	69.57	50061	24	0.03189915	1.34002173	0.00377747	1.57401246	0.00551659	1.51320451
Q9D906	Atg7	Ubiquitin-like modifier-activating enzyme ATG7	277.77	13.47	77520	7	0.00155614	2.74976396	0.02274053	2.07666246	0.03198312	1.95449299
Q8VD75	Hip1	Huntingtin-interacting protein 1	62.6	1.65	115202	1	0.03063469	4.19969695	0.01118964	5.31449526	0.03203105	4.1385218
O09131	Gsto1	Glutathione S-transferase omega-1	84.83	7.92	27498	2	0.01124545	2.38148677	0.01269984	2.35357993	0.03203408	2.00621172
Q4AEF8	Copg1	Coatomer subunit gamma-1	709.58	20.02	97614	12	0.00490394	2.22834477	0.02087532	1.83385605	0.03220122	1.75184592
P80318	Cct3	T-complex protein 1 subunit gamma	1368.41	40.92	60630	24	0.02494954	1.602542	0.02316399	1.61826474	0.03225362	1.55349957
Q9EPB4	Pycard	Apoptosis-associated speck-like protein containing a CARD	168.67	25.39	21459	3	0.03232989	1.98337564	0.00675571	2.52268986	0.00608977	2.29609569
P62715	Ppp2cb	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	493.98	33.33	35575	9	0.02554984	1.71768905	0.01414021	1.85720761	0.03233938	1.68238655
B2RXC1	Trappc11	Trafficking protein particle complex subunit 11	47.95	0.79	128396	1	0.01158165	3.67539798	0.01586301	3.31444746	0.03235666	2.92188254
Q9D7X3	Dusp3	Dual specificity protein phosphatase 3	600.66	59.46	20472	10	0.03236122	1.52825599	0.01453617	1.65690639	0.03110593	1.5601306
Q99K85	Psat1	Phosphoserine aminotransferase	1514.64	60.27	40473	25	0.03240678	1.71207157	0.01850544	1.8170888	0.02742656	1.73610321
P61750	Arf4	ADP-ribosylation factor 4	645.19	47.22	20397	9	0.00412807	1.76858598	0.03252268	1.46779995	0.00328631	1.9458076
Q569Z6	Thrap3	Thyroid hormone receptor-associated protein 3	312.61	9.25	108178	6	0.02748633	0.52883361	0.0232733	0.50489851	0.03256746	0.55125339
Q8K298	Anln	Anillin	413.93	10.17	122794	7	0.03257044	1.69697771	0.00454052	2.03699755	0.00397209	1.99343935
P97371	Psme1	Proteasome activator complex subunit 1	295.29	24.9	28673	5	0.03262202	3.19165899	0.00101359	3.28665246	0.00279131	3.02589185
Q8BMP6	Acbd3	Golgi resident protein GCP60	395.69	20.76	60181	7	0.00724925	3.0110474	0.02897764	2.35181742	0.03279109	2.26976933
Q6AYA1	Gar1	H/ACA ribonucleoprotein complex subunit 1	104.08	9.73	23011	2	0.01487469	0.50046505	0.03295576	0.60757817	0.02443859	0.57667368
P04692	Tpm1	Tropomyosin alpha-1 chain	379.17	16.9	32681	7	0.02640114	2.43778701	0.01614003	2.10337603	0.03299187	1.89836652
Q68FH4	Galk2	N-acetylgalactosamine kinase	108.72	5.02	50503	2	0.00091134	2.83970106	0.03300472	1.88578266	0.02396572	1.92862257
Q9DAR7	Dcps	m7GpppX diphosphatase	448.69	35.5	38988	9	0.03304333	1.95285444	0.01939035	2.11271681	0.02539074	2.04718891
P23116	Eif3a	Eukaryotic translation initiation factor 3 subunit A	910.71	14.21	161936	19	0.00020487	2.20640573	0.03316074	1.40494163	0.01818073	1.49489702
Q80X41	Vrk1	Serine/threonine-protein kinase VRK1	203.91	16.82	49741	4	0.01386292	1.69121135	0.03323877	1.54397168	0.03303116	1.52225371
P49718	Mcm5	DNA replication licensing factor MCM5	1088.75	30.97	82343	22	0.02021719	1.35439576	0.03337235	1.32663044	0.02876108	1.32694993
Q62048	Pea15	Astrocytic phosphoprotein PEA-15	156.7	16.92	15054	3	0.00332339	4.70052465	0.03345378	3.24375799	0.01854606	3.39020857
Q8C0L6	Paox	Peroxisomal N(1)-acetyl-spermine/spermidine oxidase	82.37	3.17	55447	1	0.03364952	2.5670389	0.02364806	2.49629956	0.01609777	2.59070652
Q5XJY5	Arcn1	Coatomer subunit delta	892.83	36.01	57229	18	0.02753361	1.50215053	0.01758785	1.57170575	0.03381315	1.47567564
P49962	Srp9	Signal recognition particle 9 kDa protein	44.99	12.79	10194	1	0.00094136	5.60311029	0.00024891	4.88468117	0.03382904	4.09627394
Q922Q8	Lrrc59	Leucine-rich repeat-containing protein 59	315.59	36.81	34877	7	0.01667011	1.78825333	0.01555039	1.54062892	0.03384204	1.55137995
Q6P9P6	Kif11	Kinesin-like protein KIF11	112.39	3.99	118027	3	0.03385794	1.92335581	0.00268442	2.54029491	0.00686566	2.26332316
P60517	Gabarap	Gamma-aminobutyric acid receptor-associated protein	186.83	21.37	13918	3	0.02510424	1.84957362	0.03391111	1.7130242	0.02417201	1.81874297
Q6P9R2	Oxsr1	Serine/threonine-protein kinase OSR1	41.43	1.52	58214	1	0.03410695	1.99127624	0.00835677	2.44078635	0.01021707	2.3380876

Q4G009	Mcts1	Malignant T-cell-amplified sequence 1	121.98	10.44	20550	1	0.0023828	13.9927819	0.03440864	10.8786286	0.00039476	10.3651978
P61222	Abce1	ATP-binding cassette sub-family E member 1	1040.79	34.89	67314	16	0.0344203	1.67962367	0.01855876	1.79291047	0.02765818	1.72464744
Q62384	Zpr1	Zinc finger protein ZPR1	148.03	7.63	50715	3	0.02504749	1.55288962	0.00200199	1.94646891	0.03467827	1.58293665
Q9CWP6	Mospd2	Motile sperm domain-containing protein 2	103.84	3.47	59855	2	0.00484372	2.42637039	0.01197965	2.15775567	0.034681	2.06755492
P68181	Prkacb	cAMP-dependent protein kinase catalytic subunit beta	261.26	16.24	40708	5	0.00053281	3.1200536	0.03482485	1.85278755	0.02755713	1.92354936
Q9DCH4	Eif3f	Eukaryotic translation initiation factor 3 subunit F	516.21	24.93	37984	8	0.0348276	1.39231244	0.01311286	1.48395965	0.0145969	1.47717062
Q9Z1G3	Atp6v1c1	V-type proton ATPase subunit C 1	516.22	26.18	43888	9	0.00100687	3.77436925	0.00043125	2.47400422	0.03492681	1.67990873
Q8JZY2	Commd10	COMM domain-containing protein 10	42.59	5.94	22812	1	0.00193122	7.19970388	0.00145113	7.21872514	0.03498156	5.73667926
Q78PY7	Snd1	Staphylococcal nuclease domain-containing protein 1	2541.63	56.15	102088	42	0.03513285	1.30835456	0.00681769	1.46504178	0.01536156	1.39505751
O88447	Klc1	Kinesin light chain 1	104.17	4.44	61450	2	0.01298295	2.19436592	0.03356468	1.92050885	0.03520995	1.90638956
Q5U2Q3		Ester hydrolase C11orf54 homolog	54.76	8.89	34993	2	0.00270843	4.05774483	0.0036853	3.5502903	0.03527855	2.51502304
P51432	Plcb3	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3	298.04	7.46	139487	6	0.00581496	1.62950908	0.00984982	1.5697995	0.03537489	1.38812528
Q6WVG3	Kctd12	BTB/POZ domain-containing protein KCTD12	561.19	42.2	35892	9	0.00481228	1.70037067	0.00778501	1.62230335	0.03538933	1.41385112
Q924C1	Xpo5	Exportin-5	293.84	6.64	136973	6	0.00031783	4.7852063	0.00081399	4.16114196	0.03542043	3.19264384
Q9QZ88	Vps29	Vacuolar protein sorting-associated protein 29	200.28	37.36	20496	5	0.01554225	2.23149234	0.03544596	1.98174118	0.02849725	2.04685737
P50247	Ahcy	Adenosylhomocysteinase	1277.03	48.15	47688	19	0.00865937	1.81062348	0.01084522	1.73920659	0.03561447	1.53885752
Q9CZY3	Ube2v1	Ubiquitin-conjugating enzyme E2 variant 1	398.85	36.05	16355	7	0.03562241	1.37253271	0.0002751	1.97070951	0.00319165	1.69286413
Q4QQR9	Memo1	Protein MEMO1	49.26	4.71	33679	1	0.02793829	2.69034494	0.03578646	2.68119828	0.01007878	2.76798191
P97834	Gps1	COP9 signalosome complex subunit 1	267.39	15.07	53428	6	0.02776538	1.66369159	0.00278338	1.88325713	0.03579633	1.55629145
Q6MG61	Clic1	Chloride intracellular channel protein 1	1265.48	61.41	26981	19	0.03330939	1.5954734	0.01102953	1.80366427	0.03583151	1.57434316
A2AN08	Ubr4	E3 ubiquitin-protein ligase UBR4	309.76	1.31	572290	5	0.00379788	2.69392161	0.00410482	2.62825525	0.03628783	2.21989244
O35142	Copb2	Coatomer subunit beta'	807.7	26.52	102551	15	0.03646716	1.57487994	0.0175581	1.68256182	0.02818023	1.60655784
Q01405	Sec23a	Protein transport protein Sec23A	220.37	8.89	86162	4	0.00504031	2.80340493	0.01665716	2.37215928	0.03668994	2.10304789
Q5M823	Nudcd2	NudC domain-containing protein 2	356.7	43.95	17674	6	0.03673043	1.49592356	0.00560284	1.82210844	0.00934993	1.70521178
P12368	Prkar2a	cAMP-dependent protein kinase type II-alpha regulatory subunit	251.98	12.97	45480	4	0.0076977	2.19849552	0.03686259	1.80877584	0.02724734	1.90179655
Q505F5	Lrrc47	Leucine-rich repeat-containing protein 47	210.41	12.39	63590	5	0.0368914	1.43892369	0.00918532	1.7244512	0.01911416	1.51930946
O70551	Srpk1	SRSF protein kinase 1	288.67	11.27	73088	5	0.03694438	1.39154269	0.01120884	1.50903915	0.00998488	1.5639052
Q8VBV7	Cops8	COP9 signalosome complex subunit 8	216.54	29.67	23256	4	0.0137117	2.06696369	0.03735951	1.7985526	0.03208029	1.83769242
Q8CIN4	Pak2	Serine/threonine-protein kinase PAK 2	936.55	36.45	57930	14	0.03739615	1.62742915	0.02283569	1.72904564	0.03178667	1.67245612
Q64514	Tpp2	Tripeptidyl-peptidase 2	987.35	24.25	139879	19	0.0190834	1.7309961	0.01032464	1.85295568	0.03752324	1.60162751
Q9WVA3	Bub3	Mitotic checkpoint protein BUB3	519.29	29.45	36955	9	0.03758294	1.16280411	0.00548172	1.32025427	0.00950476	1.2498106
P62959	Hint1	Histidine triad nucleotide-binding protein 1	189.29	42.06	13777	4	0.03772266	1.96953401	0.00718104	2.4649992	0.01896049	2.1588903

Q9D338	Mrpl19	39S ribosomal protein L19, mitochondrial	249.54	15.07	33578	5	0.00219165	0.62928712	0.00472933	0.66682781	0.03790645	0.80445381
Q9CWU9	Nup37	Nucleoporin Nup37	133.98	10.12	36732	2	0.01648098	0.42865755	0.03795016	0.54609225	0.03087784	0.51583678
P12382	Pfkl	ATP-dependent 6-phosphofructokinase, liver type	754.16	21.67	85360	13	0.01240803	1.67711805	0.01824917	1.58802836	0.03805607	1.47055124
P47754	Capza2	F-actin-capping protein subunit alpha-2	401.02	24.83	32967	7	0.00242873	1.96239845	0.00269612	1.66900955	0.03818559	1.40613416
Q62698	Dync1li2	Cytoplasmic dynein 1 light intermediate chain 2	284.19	13.08	54745	5	0.00165954	1.93592489	0.01150579	1.6233118	0.03822907	1.45276705
Q62393	Tpd52	Tumor protein D52	191.8	16.07	24313	3	0.00227854	2.79002527	0.02609633	1.98441487	0.03840087	1.88321012
Q9WV85	Nme3	Nucleoside diphosphate kinase 3	75.17	10.06	19099	1	0.00412503	3.29895788	0.03744537	2.27534707	0.0384134	2.28103686
O35127	Grec10	Protein C10	38.07	14.29	13194	1	0.03848278	8.19008198	0.0005245	12.1591855	0.02087886	10.3536615
O08583	Alyref	THO complex subunit 4	441.15	47.06	26940	6	0.02467885	0.70762516	0.03853796	0.73920926	0.03264928	0.72969592
Q3UMB9	Washc4	WASH complex subunit 4	106.43	1.11	136370	2	0.02172397	3.52350083	0.01893298	2.79761354	0.03858686	2.47275331
B5DF89	Cul3	Cullin-3	174.39	9.51	88932	4	0.00514582	4.58092308	0.01313269	3.3102099	0.03862098	2.82680425
Q8BV14	Qdpr	Dihydropteridine reductase	199.9	26.56	25570	4	0.01029954	1.90806325	0.01711479	1.78978448	0.0386828	1.6321442
O08553	Dpysl2	Dihydropyrimidinase-related protein 2	1562.05	53.5	62278	23	0.00135738	1.43842065	0.00524517	1.31096077	0.03870129	1.19198161
Q9D2R0	Aacs	Acetoacetyl-CoA synthetase	118.49	4.17	75200	3	0.00621554	2.28281804	0.03872101	1.80063754	0.0287363	1.86804921
P32233	Drg1	Developmentally-regulated GTP-binding protein 1	303.57	16.08	40512	5	0.00659155	1.86633573	0.01646357	1.73057007	0.03923894	1.54857111
Q91X52	Dcxr	L-xylulose reductase	44.07	4.51	25746	1	0.00790074	2.48875894	0.0091447	1.92331926	0.03955561	1.64170293
P07356	Anxa2	Annexin A2	1472.16	72.27	38676	26	0.00490676	1.408946	0.02266175	0.78347043	0.04012568	0.82489948
P37996	Arl3	ADP-ribosylation factor-like protein 3	191.8	25.82	20457	4	0.01430676	2.30452968	0.00277201	2.81685125	0.04021907	2.22176737
Q8VCN5	Cth	Cystathionine gamma-lyase	407.83	22.61	43567	7	0.00031213	2.50249452	0.00700793	1.80907322	0.04028802	1.52873748
Q62167	Ddx3x	ATP-dependent RNA helicase DDX3X	1692.59	47.58	73101	27	0.0403282	1.25286044	0.00996668	1.35067254	0.00328671	1.44947427
P54775	Psmc4	26S proteasome regulatory subunit 6B	397.47	23.92	47408	8	0.02589231	1.32897337	0.0408869	1.283073	0.02722925	1.31879254
Q7M0E3	Dstn	Destrin	579.56	56.36	18534	10	0.00302958	1.60938827	0.0033767	1.5984852	0.04117704	1.31975424
Q8CGC7	Eprs	Bifunctional glutamate/proline--tRNA ligase	2295.82	34.06	170079	37	0.00118517	1.52717134	0.01281153	1.31936742	0.04137631	1.23498104
Q99K48	Nono	Non-POU domain-containing octamer-binding protein	1396.54	55.39	54541	25	0.04139219	0.75819945	0.02480958	0.72052812	0.03842278	0.7540708
P70677	Casp3	Caspase-3	354.9	25.63	31475	6	0.019862	1.72863752	0.02351185	1.68444416	0.04140357	1.58102025
Q8BVE3	Atp6v1h	V-type proton ATPase subunit H	268.1	13.04	55855	5	7.6532E-05	2.39097828	0.03434317	1.37942623	0.04146795	1.3666072
Q91V12	Acot7	Cytosolic acyl coenzyme A thioester hydrolase	406.28	29.66	42537	8	0.00408185	2.0363066	0.01304695	1.78420048	0.04156825	1.59083312
D2XV59	Gtpbp1	GTP-binding protein 1	230.46	10.01	72489	5	0.04183858	1.88486314	0.0124351	2.29960298	0.01405486	2.18625803
P35123	Usp4	Ubiquitin carboxyl-terminal hydrolase 4	210.45	7.9	108343	5	0.00312159	2.99738262	0.04209273	2.35784899	0.00424737	2.89694595
P21107	Tpm3	Tropomyosin alpha-3 chain	568.34	22.46	32994	10	0.02733401	1.98969991	0.0282618	1.9159598	0.04228981	1.81689497
Q5FWK3	Arhgap1	Rho GTPase-activating protein 1	140.86	7.06	50411	2	0.01685281	11.1369596	0.00270337	16.4619828	0.04229152	9.59707927
Q00519	Xdh	Xanthine dehydrogenase/oxidase	738.76	15.43	146562	13	0.00015012	3.23680502	0.0061936	1.74644935	0.04245798	1.35874068
O35309	Nmi	N-myc-interactor	116.7	9.55	35236	2	0.04253335	1.70346164	0.00264707	2.08329381	0.00515331	1.98192659
Q9CR95	Necap1	Adaptin ear-binding coat-associated protein 1	132.55	17.45	29639	2	0.03013629	1.96537292	0.02223195	1.98034956	0.04261839	1.82446575
Q9Z0P5	Twf2	Twinfilin-2	386.7	32.95	39471	7	0.04269537	1.64708903	0.01501042	1.79281608	0.02647635	1.68991575
Q9DBC7	Prkar1a	cAMP-dependent protein kinase type I-alpha regulatory subunit	449.12	22.57	43185	8	4.9381E-05	2.06571075	0.00038663	1.63937819	0.04283384	1.46067522



Q5U2Q7	Etf1	Eukaryotic peptide chain release factor subunit 1	304.23	22.43	49031	6	0.04286367	1.34441247	0.00251615	1.68008915	0.00924098	1.52229636
Q6NSR8	Npepl1	Probable aminopeptidase NPEPL1	286.72	11.83	55940	5	0.00674902	2.70859917	0.01716453	2.30134053	0.04296953	2.031501
Q9EPU0	Upf1	Regulator of nonsense transcripts 1	1036.76	19.4	123967	21	0.04376353	1.45405509	0.01842643	1.57547892	0.02701764	1.52092804
Q9CZ30	Ola1	Obg-like ATPase 1	564.72	28.03	44730	9	0.01069915	2.08774723	0.00776947	2.19304201	0.04379448	1.74518376
Q9ER72	Cars	Cysteine--tRNA ligase, cytoplasmic	507.15	14.56	94860	9	0.00992589	2.33597751	0.02188659	2.04807095	0.04383337	1.86471612
P80316	Cct5	T-complex protein 1 subunit epsilon	1538.34	51.2	59624	25	0.02545638	1.56915029	0.01708744	1.62515589	0.04387035	1.45922202
Q9D706	Rpap3	RNA polymerase II-associated protein 3	131.8	4.39	74096	2	0.04391325	2.20376233	0.03623854	2.25650373	0.04398423	2.18917422
Q8R4Y8	Rttm	Rotatin	42.11	0.31	248489	1	0.04408714	1.79529634	0.01557504	2.07710133	0.02544574	1.91509694
Q09200	B4galnt1	Beta-1,4 N-acetylgalactosaminyltransferase 1	113.11	9.94	59212	3	0.00660038	0.57383532	0.00520198	0.57649387	0.04420314	0.71887314
P63036	Dnaja1	DnaJ homolog subfamily A member 1	276.26	19.9	44868	6	0.04450916	1.81655888	0.01917993	2.03156081	0.00879353	2.2472844
P84228	Hist1h3b	Histone H3.2	804.84	61.76	15388	11	0.04447161	0.39996312	0.03185105	0.32791502	0.04458144	0.39974697
Q3UM45	Ppp1r7	Protein phosphatase 1 regulatory subunit 7	1027.28	55.12	41292	17	0.01864154	2.246219	0.02247962	2.17191552	0.04461091	1.95425902
Q8BUM3	Ptpn7	Tyrosine-protein phosphatase non-receptor type 7	112.28	8.91	40351	2	0.0448619	2.68650473	0.00057152	3.38434311	0.02690104	2.45593036
Q9Z2X2	Psmd10	26S proteasome non-ATPase regulatory subunit 10	82.89	3.46	25084	1	0.01427506	3.52656052	0.04487895	2.83928713	0.02246421	3.19891758
P17182	Eno1	Alpha-enolase	2960.96	79.26	47141	39	0.04508769	1.43658738	0.02331475	1.53084117	0.04291125	1.44789491
Q91VD9	Ndufs1	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	703.16	25.45	79777	15	0.01820928	0.8092941	0.00384501	0.73289326	0.04526031	0.84688518
Q9CR00	Psmd9	26S proteasome non-ATPase regulatory subunit 9	49.21	5.41	24720	1	0.04532657	2.75849161	0.0340702	2.93308186	0.02046598	3.19175454
P30999	Ctnnd1	Catenin delta-1	200.81	6.18	104925	5	0.03626734	2.15984194	0.03076198	3.32916991	0.04534447	2.7489958
Q9D2Y4	Mlkl	Mixed lineage kinase domain-like protein	67.31	2.97	54317	1	0.02480055	1.85679304	0.03769801	1.75794588	0.0454153	1.72656748
Q9CWJ9	Atic	Bifunctional purine biosynthesis protein PURH	2010.74	67.74	64217	32	0.04548552	1.50153227	0.01101045	1.7369973	0.02030211	1.63242602
P70188	Kifap3	Kinesin-associated protein 3	42.04	2.52	91291	1	0.00248435	18.0613651	0.04613183	6.72135589	0.00922201	7.62473867
D3ZBE5	Nek7	Serine/threonine-protein kinase Nek7	60.98	7.95	34529	2	0.00374869	2.59616697	0.04616344	2.15346752	0.01269672	2.21630448
Q9D2M8	Ube2v2	Ubiquitin-conjugating enzyme E2 variant 2	408.32	41.38	16367	8	0.04619601	1.41152097	0.00053926	2.0664603	0.00380215	1.79617315
Q6P6S4	Sil1	Nucleotide exchange factor SIL1	49.28	1.72	52350	1	0.046246	2.565896	0.02429618	2.73368817	0.03705415	2.45725295
P23514	Copb1	Coatomer subunit beta	657.7	17.52	107011	13	0.00894391	2.20636821	0.0432292	1.77929244	0.04642483	1.76206448
O54988	Slk	STE20-like serine/threonine-protein kinase	481.02	11.03	141457	9	0.04645911	1.50117884	0.01281353	1.69198294	0.01276802	1.72488125
Q9JK81	Myg1	UPF0160 protein MYG1, mitochondrial	436.13	21.32	42723	7	0.03072474	1.67905327	0.01689453	1.79718193	0.04646068	1.59114799
Q9CQM9	Glrx3	Glutaredoxin-3	479.38	30.56	37778	8	0.00495524	1.7436533	0.00026678	2.03046773	0.04651796	1.38145029
Q8K183	Pdxk	Pyridoxal kinase	258.76	17.31	35015	5	0.00889626	2.83510027	0.04510878	2.13307989	0.04673556	2.12218728
P60521	Gabarapl2	Gamma-aminobutyric acid receptor-associated protein-like 2	179.61	36.75	13667	4	0.03921387	2.22170779	0.04685111	2.14044015	0.03580816	2.23080701
Q9EQ80	Nif311	NIF3-like protein 1	368.02	19.95	41746	7	0.01674472	1.89863458	0.04688723	1.65869462	0.04655195	1.66672059
Q4V7A6	Phf10	PHD finger protein 10	39.26	2.41	55884	1	0.03185501	2.99353673	0.0471534	2.15917081	0.00814992	2.35377681
Q62418	Dbnl	Drebrin-like protein	700.57	32.34	48700	10	0.01682224	1.37300291	0.03040573	1.31533077	0.047234	1.30933304

P35564	Canx	Calnexin	1249.29	39.09	67278	21	0.00607282	0.70920296	0.00902048	0.753786	0.04724129	0.83642015
Q3TIU4	Pde12	2',5'-phosphodiesterase 12	76.18	4.11	67514	2	0.04727068	2.04270056	0.03740219	2.11884319	0.04533644	2.05632319
Q91YE6	Ipo9	Importin-9	336.01	8.84	116052	7	0.01685411	1.82242043	0.00327989	1.63690602	0.04737175	1.52295377
Q61210	Arhgef1	Rho guanine nucleotide exchange factor 1	523.33	12.83	102805	9	0.04669278	1.27927069	0.04737774	1.28649875	0.04494501	1.30170203
P70248	Myo1f	Unconventional myosin-I <sub>f</sub>	294.48	6.01	125947	7	0.00048511	2.78274901	0.01087168	1.61892479	0.04749891	1.5420117
P54726	Rad23a	UV excision repair protein RAD23 homolog A	282.73	20.66	39706	4	0.02078726	2.10686412	0.02281707	2.1050761	0.04754148	1.87093827
P63328	Ppp3ca	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform	374.49	16.51	58644	7	0.00211905	2.04558791	0.00113029	1.94839832	0.04757993	1.48348555
P53564	Cux1	Homeobox protein cut-like 1	56.26	0.59	165596	1	0.01806286	5.14078699	0.02222401	4.55228004	0.04781955	4.90156058
Q9QY17	Pacsin2	Protein kinase C and casein kinase substrate in neurons 2 protein	164.27	8.4	55978	4	0.03278299	2.65403605	0.04814826	2.5481087	0.02948353	2.30109697
D3ZZW6	Hils1	Spermatid-specific linker histone H1-like protein	37.27	4.14	18617	1	0.00591348	2.68232286	0.00619043	2.68735178	0.04828504	1.97591675
Q2L4X1	Bzw2	Basic leucine zipper and W2 domain-containing protein 2	136.41	8.83	48063	3	0.04870979	1.38972401	0.00467761	1.65985865	0.0035787	1.75159308
O54950	Prkag1	5'-AMP-activated protein kinase subunit gamma-1	155.82	13.33	37520	3	0.02267605	2.02648124	0.02594943	2.00884327	0.04873687	1.82003508
Q3T114	Prrc1	Protein PRRC1	65.9	2.93	46295	1	0.01471589	2.61174957	0.04883931	2.15295752	0.00842624	2.839727
O88531	Ppt1	Palmitoyl-protein thioesterase 1	424.97	23.86	34490	6	0.00348864	1.9568391	0.03103069	1.52361431	0.04885753	1.45676124
Q9CPS7	Pno1	RNA-binding protein PNO1	292.98	38.31	27454	7	0.00349394	2.11890905	0.04902705	1.55192702	0.04017384	1.59297504
Q9CSU0	Rprd1b	Regulation of nuclear pre-mRNA domain-containing protein 1B	189.71	16.56	36884	4	0.04913131	1.73028017	0.00488359	1.66085243	0.00893427	1.57861466
Q04447	Ckb	Creatine kinase B-type	1790.38	66.4	42713	25	0.0491478	1.47892056	0.01004071	1.76684578	0.03959317	1.51347965
P11440	Cdk1	Cyclin-dependent kinase 1	541.72	49.49	34107	12	0.04942752	1.76354296	0.0095037	2.17797979	0.01074166	2.15261071
Q8R1B4	Eif3c	Eukaryotic translation initiation factor 3 subunit C	910.54	18.22	105531	16	0.02649007	1.49482651	0.02962143	1.47350258	0.04958901	1.40682081
O88685	Psmc3	26S proteasome regulatory subunit 6A	957.78	43.89	49549	17	0.04965019	1.22943331	0.00152084	1.52752929	0.01287581	1.39083591
Q62885	Unc119	Protein unc-119 homolog A	107.48	9.17	27048	2	0.04498137	2.14743468	0.03004954	2.28171108	0.04988146	2.1550637
Q9D4H8	Cul2	Cullin-2	49.27	1.74	86877	1	9.065E-05	8.85064584	0.0499042	3.78866862	0.00757467	4.89111594
P49186	Mapk9	Mitogen-activated protein kinase 9	110.91	4.96	48017	2	0.04993052	2.68130885	0.01559938	3.311814	0.02072695	3.20738608