

Supplementary Table 1. List of proteins detected and quantified by the proteomic screen

acc name	gene name	UniProt description	protein_set_score	coverage	MW (Da)	#peptides	ab PS10 a	ab PS10 b	ab PS10 d	ab PS10 e	ab PS1 a	ab PS1 b	ab PS1 c	ab PS1 d	ab PS1 e	ab PS1 a.b	ab PS1 a.c	ab PS1 a.d	ab PS1 a.e						
P58742	Aaas	Aladin	195.6	8.24	59431	4	18564.5452	14188.3231	16001.3734	42442.7092	42347.4131	5421.66248	28524.1431	33127.1072	34083.0709	20876.2188	28762.2307	16494.913	29977.192	41759.0925	31515.7146	21625.1329	14095.9808	11794.8825	31992.5581
Q9D280	Aaacs	Acetylacetyl-CoA synthetase	118.49	4.17	75200	3	10735.4207	47456.7698	4137.0687	11599.6369	28765.9182	71955.812	69030.3845	59098.0748	63565.0013	47968.9943	51568.5075	53677.6182	53147.6846	45304.4125	55626.9791	44468.1738	55646.3328	56315.4448	49031.8081
Q8BQ27	Aar	Adenylyl-RNA ligase, cytoplasmic	1526.94	40.19	106069	26	24075.327	25394.128	28734.838	16411.61	13830.901	42274.009	44151.022	4276.912	42344.62	42338.48	48537.349	38185.451	43909.319	26250.432	48348.81	41308.397	38214.536	32151.31	33004.64
Q3HT09	Aarsd1	Alanyl-tRNA editing protein Aarsd1	286.5	16.26	44971	5	95285.7661	25988.5102	26079.7747	10990.5737	14391.7872	36916.6102	60060.5465	60277.6617	62292.6717	11737.1061	31343.9388	40859.790	79292.3418	43016.1874	61344.1001	42401.0213	35396.2566	42495.1917	40895.1748
Q61102	Abec7	ATP-binding cassette sub-family B member 7, mitochondrial	168.81	5.32	82581	3	0.04731231	27342.1951	27968.5511	47116.497	16755.8092	40508.9701	29720.0687	23299.7227	28412.9185	18198.8363	26822.3086	18354.0655	10027.1928	22339.7724	38167.2268	23356.6225	22021.1626	20769.4665	26952.699
B2R2X1	Abec3	Canicular-specific organic anion transporter 2	198.57	3.81	169124	1	0.04731231	19077.2427	23498.2522	55966.8766	45317.4169	13577.9138	10409.4344	11157.3798	11893.0967	14048.2327	18314.6201	21463.6947	14086.7722	24097.5845	31912.447	12699.8255	21550.3855	8160.58356	20315.077
P55096	Abcd3	ATP-binding cassette sub-family D member 3	62.71	2.58	75475	1	0.04731231	9074.37903	1140.68387	4826.32639	2153.72197	549.82757	622.822868	732.978308	557.45403	746.11786	1724.88533	2031.07999	3499.65622	1425.61211	13978.0020	11029.82595	1484.3102	1640.79	6731.4
Q8BQ27	Abcd1	ATP-binding cassette sub-family E member 1	1526.94	40.19	106069	26	24075.327	25394.128	28734.838	16411.61	13830.901	42274.009	44151.022	4276.912	42344.62	42338.48	48537.349	38185.451	43909.319	26250.432	48348.81	41308.397	38214.536	32151.31	33004.64
Q6P546	Abcf1	ATP-binding cassette sub-family F member 1	414.04	13.62	94945	8	86690.934	115927.041	85438.4239	79068.2004	69949.8473	142231.738	160778.734	146047.493	133395.997	160874.529	14736.2366	149496.948	163927.529	134055.148	150625.946	161257.261	131365.863	150598.21	132479.056
Q9JLE6	Abcf2	ATP-binding cassette sub-family F member 2	124.97	5.57	71782	3	0.04731231	16258.005	18013.2759	5113.6297	9899.5344	28257.1855	26173.8343	40210.6143	28065.1294	27299.4647	26250.7612	24674.8292	28531.265	25824.407	25045.4593	30118.0647	22512.2845	26581.7907	26710.74
Q6AVY7	Abhd12	Monooxygenylipase ABHD12	475.06	31.41	42560	10	200610.105	175839.2	155691.590	292007.412	267553.776	273565.61	230157.106	263337.089	298339.926	108139.106	156667.823	139416.458	120230.707	169376.605	163975.921	167976.659	136371.249	140566.222	183397.761
Q6QD61	Abhd14b	Protein ABHD14b	72.93	10	22618	2	0.04731231	3498.9702	25966.9200	10.0251027	4076.58324	4729.31411	3501.34041	3113.04566	4664.57913	3949.01841	4055.07858	3605.91583	6072.91497	3591.6628	4315.86973	3792.78149	3706.87791	3173.16702	
Q8CB39	Abi1	Abi1 interactor 1	99.73	6.44	52288	2	2089.15924	27262.9013	27888.6165	14342.3101	20524.1777	39911.3834	34437.462	42899.1297	36484.3596	42330.3299	35349.1561	35290.7962	33810.4241	31102.1753	33967.2573	29453.314	31081.8496	31637.761	29882.8541
Q4MKM4	Abracl	Costs family protein ABRACL	312.09	51.85	9030	6	27951.7549	65577.9422	71265.9113	17616.3736	38455.8877	57571.7005	61357.4240	94682.0544	70060.8713	17149.4618	87511.6077	82035.9374	80208.2388	88239.0221	66426.4924	65137.3971	82734.5683		
Q3TC21	Abra2a2	BRIC complex subunit Abra2a2	218.47	14.7	46943	4	18777.0203	14186.0304	17786.4109	0.02587718	11240.723	11599.5593	25957.9625	20929.1136	21671.932	14616.4752	25663.8908	31406.1087	21385.9759	28588.4626	16668.1495	31619.205	18188.3949	24884.0776	17230.0589
Q921H8	Acala1	3-ketocetyl-CoA thiolase A, peroxisomal	994.73	60.14	43933	15	318066.844	324803.614	335800.938	134949.012	140218.645	233690.592	247636.153	204080.015	263555.348	259031.424	328313.374	289095.919	227933.506	22507.262	33045.376	297674.833	264684.619	236693.138	332656.314
Q8WB71	Aca2	3-ketocetyl-CoA thiolase, mitochondrial	76.16	6.05	41950	1	0.04731231	8229.259	10145.1519	12326.6097	3755.23868	5687.2913	4925.32669	6034.59392	6010.414829	28533.0633	11195.1392	6271.74508	7399.79028	6879.8647	8798.2939	5926.12585	6037.5899	6070.78217	
P11497	Aca3	Acetyl-CoA carboxylase 1	179.64	2.6	265194	4	0.04731231	2979.5179	8479.7565	8182.4968	11148.5808	21692.0012	14910.8711	16341.3209	12152.116	22344.1147	24547.977	15113.1926	5101.7836	13243.9596	19400.7666	19256.63075	10907.0086	14377.2819	16093.5752
E9Q42Z	Aca4	Acetyl-CoA carboxylase 2	63.4	1.35	275750	1	0.04731231	5898.3305	0.03207024	0.02587718	5097.73914	7457.33865	6154.2345	4864.1348	2029.8782	6253.21009	6388.47734	5793.0212	6294.06481	6453.56994	8198.52409	5202.25262	0.03396139	5376.54373	6097.09876
Q9D7B6	Aca8	Isobutyryl-CoA dehydrogenase, mitochondrial	94.39	6.54	45020	2	0.04731231	7232.17439	8876.45935	7328.13822	0.0251027	7976.38443	9257.40033	11177.4278	12659.8006	8482.40451	6573.1247	8494.08181	4836.35003	3589.46215	5231.7695	6755.31	6310.09704	6875.53608	6511.93864
Q8JZNS	Aca9	Acyl-CoA dehydrogenase family member 9, mitochondrial	411.4	13.6	68722	8	28245.372	73349.412	54811.0822	7850.2439	32681.0816	68711.4002	69429.6698	80823.7622	77306.3977	56800.9891	71481.7136	62052.2469	64007.971	5905.2224	68831.1872	81423.1854	57784.8432	61155.4784	68804.0028
PS1174	Acad1	Long-chain specific acyl-CoA dehydrogenase, mitochondrial	1052.21	40.47	47908	18	381749.419	514596.902	520996.879	289203.335	237433.11	635647.074	636908.361	660418.197	681624.588	368842.2	399162.088	360882.998	374874.648	331621.287	429130.189	433379.339	433541.536	365514.532	382395.575
P45952	Acadm	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial	522.56	31.12	46481	11	188548.351	265181.376	233655.511	193179.604	110211.462	272729.196	286435.095	277085.028	305342.802	209514.32	195412.389	209331.305	199150.891	179572.689	230031.767	219730.238	197228.995	203317.227	198957.771
Q07417	Acads	Short-chain specific acyl-CoA dehydrogenase, mitochondrial	395	21.84	44890	7	30035.957	98336.1056	99463.3212	69629.1033	65709.315	94201.8457	88386.9405	82645.4462	88703.2304	63853.2483	65236.5511	58007.3111	58995.5957	45574.0705	52035.2225	79732.3428	76897.4039	78377.2597	73509.9183
P70584	Acadb5	Short branched chain specific acyl-CoA dehydrogenase, mitochondrial	217.51	10.19	47824	4	69970.8106	61940.9624	66004.6487	54920.9872	36596.2983	51333.2039	59354.9538	86081.2156	40471.2879	53329.6699	51883.3751	42312.3777	43788.2321	39091.9497	54993.2276	47186.7604	55087.1416	48888.6623	57509.4143
P50544	Acadv1	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	330.04	12.65	70875	5	49789.3104	61940.9624	66004.6487	54920.9872	36596.2983	51333.2039	59354.9538	86081.2156	40471.2879	53329.6699	51883.3751	42312.3777	43788.2321	39091.9497	54993.2276	47186.7604	55087.1416	48888.6623	57509.4143
Q8QZT1	Acad1	Acetyl-CoA acetyltransferase, mitochondrial	761.55	38.44	44816	11	717283.077	528427.184	444019.813	269002.157	214628.4	375058.033	411104.387	403181.183	407252.916	462380.093	536358.002	492759.818	469231.367	335690.953	497378.718	525763.645	374314.709	449873.75	530733.594
Q8QAY6	Acad2	Acetyl-CoA acetyltransferase, cytosolic	1029.67	27.46	41298	6	62736.6636	96616.2193	84855.1313	37601.1693	43216.4635	86587.7774	104302.071	96214.1202	92366.054	152860.865	127342.862	102873.788	119589.826	102883.017	126178.286	136065.336	101858.268	110797.487	84399.4296
Q8BMP6	Achd3	Golgi resident protein GCP60	395.69	20.76	60181	7	1060.16915	1609.5929	54021.3798	13266.7654	12151.1484	73322.0686	66714.4748	73017.7374	68037.1162	50019.0131	60173.5708	55510.0027	5102.1188	52228.9599	39693.2987	64742.6879	58754.6022	47697.0017	53971.197
Q9JIX8	Acin1	Acidic chromatin condensation inducer in the nucleus	615.89	9.64	150719	11	68789.7698	75280.0719	56890.6454	100998.898	97350.1867	52613.1662	60801.3223	75023.7613	71404.877	59761.7102	57027.7934	65851.0902	61562.8198	72622.7823	61223.8974	83175.3783	52758.6342	70272.0591	65811.6875
Q9V192	Acy	ATP citrate lyase	1852.34	31.35	119728	28	318984.97	486199.786	397203.476	25455.933	226859.607	611296.144	727472.676	672071.02	599952.103	693116.128	568550.15	561898.461	618771.879	459034.554	519573.146	660608.914	528009.083	557756.182	522045.423
Q9V190	Acyl1	Cytoplasmic acylase	242.46	7.76	98126	5	7935.63827	76861.8857	46285.1728	50493.2179	47907.3184	65958.7865	91869.052												

QBWV1	Arhg20	Rho GTPase-activating protein 25	332.92	13.12	73383	6	24642.370	46590.7204	35181.1406	9435.56884	16138.2572	82320.0223	92194.4260	97658.0095	83848.0105	71011.0706	50487.5313	59201.3486	70384.2877	64687.2379	58406.9177	74065.9367	47783.1635	58006.1404	55888.0575	18298.0343			
G6V0N3	Arhg30	Rho GTPase-activating protein 30	118.31	2.54	120114	3	40731.231	41139.9453	119224.4142	56688.2434	14808.4833	17890.4383	14770.5787	13789.8615	16564.5244	13877.4146	13978.0616	17358.1999	17032.0099	17839.7407	14427.1305	17363.9327	12644.8032	13839.7482	12588.0543				
Q3TBTD	Arhg45	Rho GTPase-activating protein 45	175.73	3.94	122902	3	52620.730	4863.8171	2846.4759	10599.951	4171.99754	4569.03835	3680.10265	12623.3101	7012.8193	16079.2201	13241.6085	7007.98782	13808.9321	8324.43132	6791.13007	18213.1927	4487.7243	13033.422	7926.3801				
Q5X173	Arhg4	Rho GDP-dissociation inhibitor 1	873.93	71.08	123407	13	21520.6328	1375.6557	671129.479	538665.709	640905.261	171955.627	163366.914	1068189.15	162594.9415	711029.25	1749865.61	1743099.91	1611637.18	1584516.41	166392.967	149555.75	1459888.01	1510248.95					
Q61599	Arhgdb	Rho GDP-dissociation inhibitor 2	747.94	73	122851	13	1139847.77	1051223.03	949977.734	400744.107	549015.791	1139984.67	1783791.74	97361.984	1053661.21	1315665.60	1136999.18	1117225.8	1128034.25	958939.915	737974.237	1210744.88	1086229.97	1141580.97	1189845.87				
Q61210	Arhgf1	Rho guanine nucleotide exchange factor 1	525.33	12.83	120805	9	92539.4178	58703.243	59897.436	63072.706	57888.3983	21326.2223	83771.8411	7877.7339	86396.4752	69385.0405	88221.1335	92447.2508	85451.4755	9238.1567	97761.5872	93007.7691	68436.5099	8446.7886	89245.3066				
Q5FV42	Arhgf2	Rho guanine nucleotide exchange factor 2	452.36	11.37	118140	8	52964.3469	61537.5617	65110.8669	52981.7835	60658.0971	7007.4478	78140.678	85736.5982	72348.1662	94153.719	90207.0716	82136.1213	87791.1203	80277.1469	6734.1291	87975.3766	72919.904	83793.57	76230.7337				
Q5O543	Arhgf7	Rho guanine nucleotide exchange factor 7	46.31	3.1	73140	1	40731.231	2552.8551	64107.9759	5879.3671	56573.6134	3085.00214	9737.12012	5180.4879	8341.558	138.77759	9503500.71	7475.39072	5156.31773	5277.57939	4034888.12	5936.45454	5630.77113	5801.89764	7237.36987				
AZBH40	Arid1a	AT-rich interactive domain-containing protein 1A	249.23	1.01	242902	2	21354.390	19584.8798	94620.7230	23834.971	32086.0793	6235.0954	9732.8809	427.8146	21862.4395	202594.7767	754.454433	27627.7093	6524.78836	29507.1406	621257.5512	27594.6723	24976.1175	24895.4467	768.623924				
EQ7E2E	Arid2	AT-rich interactive domain-containing protein 2	49.8	4.09	195988	1	40731.231	9659.1047	7420.83315	0.02587718	11475.6196	9838.67236	7820.45053	6175.43944	6685.3493	9665.16642	6608.65676	11070.862	11701.2945	6465.59494	6817.33315	8391.16603	9503.55105	7664.89923	9810.48907				
P61211	Arl1	ADP-ribosylation factor-like protein 1	127.04	18.78	20412	2	40731.231	5715.6012	4240.0053	2682.558	21307.3497	78717.3497	48284.2180	52403.9042	38609.1898	42224.8194	57785.6183	28105.3796	46873.6478	60665.6351	57726.6652	45574.6035	41427.0285	48493.632					
O08697	Arl2	ADP-ribosylation factor-like protein 2	120.24	15.22	20836	3	58116.975	18271.1717	14399.5984	0.02587718	6534.89660	27640.1902	18925.6556	24276.6598	21960.8847	23083.2325	22507.8648	25367.6446	21187.9235	16508.0715	21151.5393	21291.9505	14091.2039	21864.3227	17736.6586				
P79796	Arl3	ADP-ribosylation factor-like protein 3	191.8	25.82	20457	4	5905.5818	12783.2021	24573.6212	2141.30007	12229.768	28757.5426	31856.6624	2272.94426	2772.94407	32271.3734	39490.0216	34952.5548	81910.3718	22308.6553	25503.7977	37106.883	22274.7076	30645.9199	11733.6871				
Q8RS59	Arlp5	PEA1 family protein 3	78.42	19.68	21558	2	40731.231	7278.25267	3708.1394	8647.8987	4176.467	7341.41285	13315.7655	9489.59492	9617.48222	8592.01577	7327.62968	5300.12075	6572.3153	6451.17163	7376.40397	10702.9978	4752.08271	7043.04577	7543.09467				
Q8VEH3	Arl8a	ADP-ribosylation factor-like protein 8A	300.78	44.09	21390	7	198240.657	11153.2416	40241.2323	72803.871	55553.955	134020.577	14589.454	16984.91	155612.997	76938.8152	84877.3734	82671.2103	82208.4093	74502.0524	89301.0779	115508.009	96364.8611	70895.6438	98507.8638				
Q66HA6	Arl8b	ADP-ribosylation factor-like protein 8B	614.67	62.2	21539	12	28082.832	11230.3308	131822.922	142398.613	136423.269	28198.915	214594.958	217881.419	265687.983	139091.308	168272.43	163835.275	1484828.016	148428.81	158651.951	129919.05	129919.05	185668.287					
Q8BNU0	Arlm6	Armadillo repeat-containing protein 6	90.76	4.49	50683	1	40731.231	2886.17245	5353.65079	0.02587718	4592.8603	4780.57545	5266.47808	6145.68279	6698.05668	7322.74979	4566.35227	9420.81699	5213.29632	7297.71352	7111.74808	6974.22161	5620.52906	5874.87173	6014.75015				
Q9P9D4	Arlpca	Actin-related protein 2/3 complex subunit A	167.98	9.46	41999	3	13725.355	86584.9971	103335.338	72801.2854	70602.8131	92878.7446	90396.5225	72451.0326	89954.4028	98808.8817	104053.167	106270.358	94834.8656	136548.078	109088.583	103074.173	96444.7468	91528.1198	87313.2124				
Q9W372	Arlpb	Actin-related protein 2/3 complex subunit 1B	943.68	56.18	41064	16	986173.68	851056.548	863359.273	601961.659	637679.619	1136623.67	1329979.49	1017858.4	1001461.35	964438.771	913894.57	947225.529	99127.426	112174.79	990697.052	918417.151	811873.64	986946.469	747981.668				
Q9CVB6	Arlpc	Actin-related protein 2/3 complex subunit 2	913.72	46.33	41064	15	253902.042	408777.093	346917.7	233574.452	216464.082	500041.566	723991.672	589926.604	649920.404	439773.433	433433.311	396928.569	508423.316	460818.896	58774.917	418301.227	432443.559	411766.275					
Q9JW76	Arlpd	Actin-related protein 2/3 complex subunit 3	372.7	44.38	20525	7	290887.987	387307.034	336888.667	253077.236	275752.554	412720.033	409381.723	443357.283	36715.576	583068.032	525755.182	508411.581	538476.509	373233.967	492574.065	486824.979	381132.526	47802.713	366864.851				
P59999	Arlpe	Actin-related protein 2/3 complex subunit 4	556.58	51.79	19667	4	1838321.93	1889575.75	153132.172	1015966.97	1023576.72	2244637.3	2012650.84	1958177.07	189252.51	1944838.76	1807507.78	1950254.35	1853969.83	177149.01	1946259.78	1821546.79	1585118.07	916482.84	1561043.14				
Q4KL78	Arlpf	Actin-related protein 2/3 complex subunit 5	202.59	16.56	19626	3	28730.765	341857.062	303205.2609	215699.931	382419.932	392114.537	420620.236	377345.494	307925.62	187620.466	180476.918	405699.172	1689325.21	457845.953	330308.395	354565.918	366302.70	407455.327	350997.603				
P29066	Arlb	Beta-actinin-1	217.49	11.96	46720	10	87330.596	97273.0531	79509.761	34787.9088	58436.5284	95919.459	103489.788	96109.3231	86074.574	137449.57	115224.748	113459.717	124417.15	119634.726	108539.906	109716.49	103028.179	115861.557	101576.575				
P29067	Arlb	Beta-actinin-2	50.74	23.17	46720	10	254131.452	27621.988	228387.198	131753.672	158529.948	281062.141	281015.285	1074075.76	225395.501	371627.429	317856.469	313989.805	381435.006	320484.22	305314.928	341080.045	282098.3	326097.323	294526.764				
P50429	Arsb	Arylsulfatase B	51.87	15.54	59647	8	215479.207	43465.501	309574.965	230201.108	256917.442	335431.022	356161.762	289798.143	312556.294	309422.56	235553.927	248806.412	308991.767	264783.721	316490.343	363499.012	293270.645	323590.019	322991.203				
Q91WU5	As3mt	Arsenite methyltransferase	146.66	13.3	41794	3	40731.231	20565.0059	12403.5753	5177.50665	3996.03464	9159.4678	19086.6043	16249.4184	19156.2949	12654.4909	19350.4336	16666.498	17473.1997	20094.6659	16509.7877	9986.66259	11132.526	10520.532	14940.1944				
Q9W454	Asa1l	Arif-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1	788.35	36.29	44670	13	207130.012	123531.377	118333.377	101221.334	80118.9468	152011.993	187516.055	156093.292	197976.402	125863.217	135272.971	35559.297	127903.689	128519.502	130073.737	133317.081	123401.021	110429.592	146459.838				
Q1AA06	Asp1	Arg-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1	158.6	5.42	127088	3	11780.2132	6796.6596	9582.86146	18096.6878	15787.407	21925.3	29330.0371	28487.956	34570.0815	27127.9387	22528.8882	27336.0245	26756.3732	34882.535	22359.481	21064.3411	19169.2295	24196.954	31942.0313				
Q91Y10	Asl	Argininosuccinate lyase	446.52	23.28	51739	9	76320.837	34501.8877	30573.1316	15470.1348	12943.1408	70859.608	134558.409	78304.2312	107859.564	11696.1874	49149.2237	54219.2271	70147.441	54112.0399	31739.3039	59305.5956	85174.0574	50790.807	48392.4407				
OS4984	Asna1	ATPase Aa1	230.76	14.08	38823	5	103070.841	85708.5255	72289.2332	28112.1522	44328.0831	123626.396	13347.615	122135.455	108136.96	61799.1319	114908.673	108825.132	110029.617	113133.098	117302.948	124783.987	91161.0256	91079.608	1302				

Q6PTQ1	Baham2	BRISC and BRCA1-A complex member 2	156.94	10.18	43559	3	30569.149	13554.858	10820.8174	6019.24447	6617.29577	30258.5679	20316.122	28940.8959	29164.0548	14475.7349	21509.7595	23005.1437	13603.569	15437.9839	10393.3483	21631.6388	19281.2299	17479.5426	14305.2592	
Q9Z1R2	Bag6	Large proline-rich protein BAG6	117.64	5.2	21037	3	5869.0303	12811.2886	17186.8097	32995.859	15977.1933	16527.7194	19750.0582	21723.9339	17818.8636	13116.3765	19695.6544	17012.2365	15408.52	18543.3692	11272.298	18630.7157	19363.8475	15477.7395	10212.3821	
OS4962	Ban1f	Barricade autoinhibitory factor	195.52	66.67	10103	4	65865.2241	40524.0957	49171.7207	77182.2341	93021.7396	36738.7671	43606.0755	50282.8721	53036.5428	57423.1289	66027.1976	66432.545	75309.367	103859.471	70833.9398	71809.2105	47518.4133	68795.4135	66918.606	
Q9X1X3	Basp1	Brain-to-soluble protein 1	834.73	78.32	10202	12	548429.251	285846.646	425319.51	597165.478	412027.348	584938.833	591330.589	524030.861	660078.951	32759.269	332402.964	503850.218	330096.807	425713.68	276647.602	34829.552	460006.831	288704.677	466950.492	
Q9Z713	Bax	Apoptosis regulator BAX	356.61	40.62	21395	5	147327.686	1221.9453	103995.824	81708.6514	90010.1888	138977.568	186190.501	169890.344	174366.946	197519.013	192590.194	201376.602	160442.253	100423.251	100321.529	162525.943	166903.833	122785.242	168872.585	183062.197
Q9Z277	Baz1b	Tyrosine-protein kinase BAZ1B	354.54	1.83	170651	2	0.47321321	4988.5859	5947.2593	0.02378711	3858.2174	0.03665204	4607.07612	0.03837823	0.0327065	2665.73384	4005.68903	4867.06734	7986.47003	0.03042376	4409.1032	0.03808805	4841.64058	4645.3827	3245.3509	
OS3855	Bca2	Branched-chain-amino-acid aminotransferase, mitochondrial	344.26	17.56	44127	6	103640.441	22136.146	199095.797	98470.0009	66156.957	181329.536	18891.1448	219492.963	180055.249	148332.693	3151674.982	138749.713	142800.656	79861.1874	143598.205	173731.385	154722.99	146812.292	141724.724	
Q9CW13	Bcep	BRCA2 and CDKN1A interacting protein, mitochondrial	37.34	3.8	35942	1	103650.5227	4609.1923	5433.7811	4157.90213	0.02510227	0.03665204	5681.43695	3959.58668	27.37631	0.033949434	4242.3615	0.03548508	7054.91648	6981.40515	0.03488812	4432.59511	5105.42103	0.03434898	4533.72211	
B57538	Bckdhb	2-oxoisovalerate dehydrogenase subunit beta, mitochondrial	69.84	2.82	42823	1	2182.0688	10108.4588	0.03070204	0.02587718	1722.25872	14273.2731	13657.1095	14337.3059	19589.8238	10873.3204	10170.7538	12091.9981	8919.87016	6137.70999	16045.0235	13217.9569	7956.69898	8870.16691	13708.8504	
OS5028	Bckdk	[3-methyl]-2-oxobutanate dehydrogenase [liponamide]] kinase, mitochondrial	112.5	7.28	46588	2	19009.8243	30245.5928	32181.9413	27973.0397	15981.23	21678.5827	16460.527	12300.8846	26594.5905	24943.0508	24339.0213	34211.9176	27745.1106	24009.8391	37525.9875	27901.1713	23380.8724	31497.7873	24752.2475	
P53563	Bcl2l1	Bcl-2-like protein 1	131.51	14.16	26158	2	18007.9232	11515.6418	13044.139	12419.2181	9344.32393	16648.0766	17750.9788	19276.6705	19022.5171	15999.5761	18721.0124	17711.6327	12928.3349	17101.8569	15852.9841	17452.2888	14231.5504	12812.7255	17963.9059	
P59017	Bcl2l13	Bcl-2-like protein 13	41.92	4.65	46719	1	11221.3522	1188.12776	1127.2075	18499.9888	13529.0741	11347.1285	0.03877705	1604.64784	16781.7693	2700.162	0.03500571	12137.7236	1230.05765	0.03502376	14497.5685	1855.9059	10762.1102	5983.8047	11430.4719	
Q8K019	Bclaf1	Bcl-2-associated transcription factor 1	121.98	2.61	106002	2	0.47321321	7120.6449	20223.2509	37938.7112	36975.8917	12622.0711	9196.61788	11471.1574	12410.1746	11998.0277	1188.0316	13978.3202	9697.7265	13624.1962	11141.1785	13652.1194	12814.7599	12726.0041	16018.3797	
Q9CZ95	Bcs1l	Mitochondrial chaperone BCS1	65.91	4.55	47406	1	0.68221231	1778.95276	4241.1663	6929.16538	3688.7221	4285.7767	3189.6731	2557.0827	2996.25931	1774.7124	1962.69137	2109.73667	0.03620746	3199.12667	2570.3472	1983.08493	2526.61401	1937.48391	2390.73561	
Q80539	Bcl2	Myc box-dependent-interacting protein 1	257.22	14.12	64470	5	4626.51017	128748.016	13792.8433	49560.3607	69032.324	162823.9294	127138.763	161101.728	166049.217	17170.111	158700.12	15249.975	163740.843	136678.769	147612.118	166628.342	161775.904	166657.657	16022.1631	
B2Z6Q9	Bcl2ip	Bridging integrator 2	201.39	9.2	52554	4	0.6822.4409	4065.6454	2401.1877	26388.3454	40097.0955	36108.9306	21599.3743	40141.9139	38297.2911	50166.368	48549.922	62873.6266	60688.6218	52189.2877	40531.9525	55734.2367	51243.6506	49939.5738	44441.9195	
OT2021	Brc5	Baculoviral IAP repeat-containing protein 5	39.52	10	16298	1	0.47321321	2347.79399	2963.76317	9228.6331	2645.09561	0.03665204	0.03877705	0.03837823	1920.72048	2321.2776	2534.43004	2790.95411	2546.43428	3869.34283	0.03488812	3002.09497	1883.27086	2707.145	2953.4312	
OS8738	Brc6	Baculoviral IAP repeat-containing protein 6	111.77	0.8	53200	3	0.47321321	11654.4632	1161.7553	10275.4336	19210.9476	18698.1189	13220.8056	13652.9516	17371.2311	16970.3956	20363.6814	16295.1943	14180.0687	18805.7847	18254.4144	16377.5786	15634.5784	11949.614	19343.7826	
Q8R016	Blmh	Bleomycin hydrolase	445.03	25.71	52511	9	1.7423.798	11702.1164	40005.691	17067.3504	26945.831	72160.137	146965.99	132929.549	74545.1272	111236.916	102038.956	84300.3849	97136.6917	83662.2991	105626.411	102693.454	74194.7906	62745.0763	37781.1276	
Q9CY64	Bhva	Biriverdin reductase A	357.3	18.64	33525	7	261829.2165	222924.076	199252.7481	4681.9859	3922.109332	1732	315639.348	325806.616	3126.953	182939.971	344686.342	333665.702	293438.825	351205.24	294304.416	277584.366	318724.8	137344.865	208382.297	27788.588
Q9Z3D2	Bhvb	Flavin reductase (NADPH)	862.01	69.42	22197	11	442573.729	177758.028	217023.835	178006.3328	83700.4341	308173.1782	310551.184	259975.795	28511.211	255945.182	260950.353	238035.417	234789.063	237933.698	268411.737	229167.656	246247.826	221301.702	20618.367	
OS4940	Bnip2	BCL2 adenovirus E1B 19 kDa protein-interacting protein	69.71	6.72	37549	2	0.47321321	7371.2483	6895.3949	39071.5252	4484.1034	10234.7078	111661.6103	40655.8069	4881.17806	11406.9256	12365.949	10800.1063	19024.1715	12582.6759	10906.2169	12663.0827	6777.4202	10387.845	10822.7991	
Q9D8S9	Bola1	Bola-like protein 1	105.43	17.52	14379	3	0.47321321	19419.8674	16792.3404	9048.46622	5809.36816	7216.24826	15223.4176	18996.1598	21079.7615	30932.6555	19939.96	19607.4886	34683.0104	24794.2378	19937.4565	27210.6518	22347.5167	18279.629	28489.1023	
Q8B522	Bola2	Bola-like protein 2	91.62	20.93	10215	2	5690.30273	33764.9609	28909.6692	7255.25177	13916.6201	24775.6834	23100.348	24935.0215	24240.8801	4072.2771	33421.4924	31845.1086	34084.2204	41560.5691	28978.0442	31784.8665	21808.9845	37344.5532	22523.3895	
P97452	Bop1	Ribosome biogenesis protein BOP1	197.89	6.42	82546	4	0.47321321	33719.6238	32530.6412	95854.4005	88039.761	39191.2887	34237.8349	349033.9988	29843.4826	29632.8815	53092.7634	34172.6833	36102.9811	52627.6189	32771.9269	37607.9895	38261.3497	37615.2798	42536.8121	
Q8R164	Bph1	Valsalvacyclovir hydrolase	82.81	7.9	23851	2	0.47321321	34419.2239	105622.4973	4810.69313	2183.84842	16699.8233	24685.9411	1116029.379	13444.682	10700.7459	7199.78566	10127.4899	9290.12551	11241.512	11564.3399	11462.2866	9263.7516	10632.6117	12007.0826	
Q9Z811	Bpnl	3(2',5'-bisphosphosphate nucleoside)1	407.94	30.19	33196	7	4626.51017	128748.016	13792.8433	49560.3607	69032.324	162823.9294	127138.763	161101.728	166049.217	17170.111	158700.12	15249.975	163740.843	136678.769	147612.118	166628.342	161775.904	166657.657	16022.1631	
P46732	Brc3	Lysine-specific demethylase BRCC36	128.43	8.25	8330	2	0.47321321	10387.7649	6997.2322	0.02587718	0.02510227	10081.4168	13953.8278	13198.609	12911.1396	2637.75409	8231.36483	8856.55592	6734.32524	5929.8206	7160.52831	8460.70858	8418.05272	11782.3435	6229.16161	
Q6MG49	Brd2	Bromodomain-containing protein 2	108.11	4.26	38040	3	0.47321321	24389.3234	24932.4906	4244.1964	23672.3993	24337.1725	15218.5839	13262.3733	21529.7465	23397.5162	23047.3384	26927.8378	13866.607	31513.3543	23084.5026	31000.3289	22786.3608	21236.1941	26753.8539	
Q9ESU6	Brd4	Bromodomain-containing protein 4	86.07	1.5	155895	2	8584.85431	9837.0791	20505.0206	26695.4299	18870.3502	20391.7403	16006.1278	5475.16374	14626.3808	11759.739	17420.511	19257.6569	8255.13296	25420.488	17287.0788	21968.6275	16133.9177	13973.9175	16833.5126	
Q4Q0T6	Brx1	Ribosome biogenesis protein BRX1 homolog	199.78	13.07	41115	5	11818.0101	7907.7624	84085.8153	11581.7394	108382.244	45784.8861	48666.2434	53665.2949	54012.5519	5739.927	63825.0292	58770.564	61333.0739	5640.0621	55618.5797	84416.2678	52946.7081	68408.2103	62494.2726	
Q4V8K5	Brox	BROX domain-containing protein BROX	163.76	9.25	46192	3	0.47321321	26129.9374	13097.0596	0.02587718	0.02587718	39911.9829	56228.4689	45813.69	38987.6269	6098.5995	39364.7963	32914.5975	46951.0038	32189.1291	34954.8396	42431.7917	24637.3589	32989.7268	34167.0861	
P18572	Bsg	Basin	160.59	8.74	42445																					

QSU2U0	Ctpx	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial	125	5.53	69208	3	612208.959	32656.9776	33504.4526	18054.2721	20260.4532	36066.9613	24537.0406	27927.7058	25949.0815	26346.446	29955.0261	20605.6489	9971.73767	33339.6072	33755.8897	36693.2325	27774.1707	26282.8217	26840.7402
O0885S	Cita	Citruhrin light chain A	169.2	10.44	25604	4	160220.978	124089.385	117824.282	49465.702	47206.8717	145978.102	138743.442	150598.489	120041.522	138350.661	253053.5808	11966.187	130337.371	99827.7889	110490.676	145893.477	155002.882	134818.87	2112682.903
O068D5	Clec	Citruhrin heavy chain 1	4125.47	48.42	191557	66	1692370.43	1874883.39	1649234.68	1244737.82	1359879.46	2839099.04	2751414.03	2734587.3	2776992.92	2254584.97	236441.44	2143508.82	2145428.02	2321805.51	2250942.22	2398034.64	1827837.94	1979405.37	1174660.61
QSS5V9	Cluh	Clustered mitochondria protein homolog	186.59	3.88	184008	4	773.82026	2001.8568	6654.2423	3836.18588	0.02510227	14058.7008	16682.1849	18464.4124	14305.1251	18974.3498	11842.8428	11796.484	20903.6427	15047.2986	20781.5208	15198.9417	7909.60139	10491.1671	1941.7621
Q508K3	Clyd	Clydomycin A lyase, mitochondrial	80	13.02	3723	2	0.04731231	4071.4173	3684.89581	2860.82741	2463.90654	3772.66244	3734.34593	2081.87196	5856.37713	2787.18485	1534.87735	5302.68313	3884.01629	3206.66204	3509.02662	3889.89131	2879.67286	2899.1024	3885.40698
O99PK2	Cmas	N-acetylmuraminic acid cytidylyltransferase	283.52	15.51	48058	5	8443.9219	68598.7288	60384.812	8802.6357	52904.7098	76502.4508	62180.7902	63908.4697	72572.0348	14136.9947	81554.5968	69907.0175	80510.7681	60981.6667	64637.3382	47610.422	70438.7229	69147.0354	637838.3098
Q4K473	Cmpk1	UMP-CMP kinase	380.87	47.45	22169	8	0.11884.007	103958.529	84696.4708	72181.5398	64449.0304	12312.263	150728.11	115782.178	1101694.112	187427.525	186188.351	153817.801	150654.35	182793.99	152469.888	169226.271	99044.0411	140005.07	137967.862
Q9C266	Cnmf6	CKLF-like MARVEL transmembrane domain-containing protein 6	52.11	6.01	19824	1	6321.33996	5561.64847	5425.54344	9687.36737	8203.48148	5294.12443	4724.77887	4242.3742	5043.60557	5005.73937	4263.40588	6668.36255	5441.71498	0.03502376	7254.46126	6624.43833	4798.91716	3854.47814	4883.70259
Q5U2Z5	Cnmr1	Cap-specific mRNA (nucleoside-2'-O)-methyltransferase 1	66.09	1.79	95169	2	0.04731231	12290.401	11813.8473	41914.3529	32487.8757	22915.7449	21924.3998	14532.7481	15015.8724	16033.7541	11428.2476	9192.02933	14362.7638	13765.6183	18940.8469	20808.7136			
P53996	Cnbp	Cellular nucleic acid-binding protein	330.92	43.26	19592	6	119473.039	169193.453	138278.055	69000.7307	91826.4134	167493.559	184064.668	176901.153	172906.644	195258.605	203677.832	249538.958	147676.371	142690.5	189067.511	226269.498	206602.779	184933.772	242665.205
Q9D1A2	Cndp2	Cytosolic non-specific dipeptidase 2	63.925	35.37	52767	13	2.25731.927	289912.558	263695.304	118110.448	106798.374	506349.29	550766.65	512948.11	525888.605	4953970.970	41267.432	390511.662	425194.222	317779.45	323263.759	370982.856	317154.55	347718.53	351064.256
Q6Z008	Cnot1	CCR4-NOT transcription complex subunit 1	124.51	1.22	266808	3	0.04731231	12866.681	11260.1444	7146.5070	5473.53838	25167.5431	25987.4404	22487.3274	23775.1285	20656.462	21689.0785	20831.7296	20165.3456	16706.41	20170.0012	21399.9254	16618.273	11260.9917	17636.695
Q8K0V4	Cnot3	CCR4-NOT transcription complex subunit 3	47.01	2.53	81946	1	0.04731231	10311.1494	3123.31167	0.02587718	0.03665024	6369.92526	7076.94673	6534.22147	5810.930	967.96002	0.03545808	5069.5527	4386.32651	5287.20934	4915.89241	2030.93464	0.03434898	5558.5137	
P13223	Cnp	2',3'-cyclic-nucleotide 3'-phosphodiesterase	70.8	2.62	47268	1	0.04731231	6434.85488	7270.69201	8656.81662	6462.52534	8461.36967	5730.13841	5506.28446	9885.5441	7605.97092	5913.30531	6277.56914	3797.88109	5338.7446	7776.37659	5775.18861	6071.29058	3420.35283	710.27611
Q9XK70	Cnp2	Protein capony homolog 2	164.08	15.38	20767	2	0.04731231	22775.902	209292.4729	0.02587718	12160.856	32349.7494	28018.2916	32246.8618	18315.4648	25451.5477	30159.6695	15206.8485	25811.0485	30374.202	261.13	8514.23117	4416.216	23154.8129	25877.4608
O9DAU1	Cnp3	Protein capony homolog 3	245.03	10.87	30538	3	0.04731231	23956.2396	63249.6277	5802.9255	13990.792	60365.4335	35678.7255	13990.792	10040.8401	14136.9947	10064.8003	11599.2184	31755.7208	35496.7918	25183.7467	28361.5322	28012.9442		
Q9D8L7	Coas	Bifunctional coenzyme A synthase	248.51	14.03	62023	5	18004.9366	40951.7939	45488.1442	27071.2975	21581.7693	69839.3732	56646.0158	54291.6473	62529.744	56167.2009	36711.5564	5338.6331	53231.9032	62725.602	58328.4187	51121.064	5083.0245	95970.7108	43149.0615
Q5U7L3	Coil	Coilin	49.94	1.75	61917	3	0.04731231	2399.2333	2131.7294	6055.2921	5101.1545	3506.7214	3666.50819	2647.6259	5499.80134	4688.8411	3621.38758	3959.9497	2489.05827	5887.30933	5541.2582	3484.81543	3917.90119	2100.51478	4195.43688
Q8K408	Colec12	Collecitin-12	588.97	14.96	81304	10	90002.1219	171636.308	195536.641	242041.73	251125.06	197205.227	199822.806	192077.99	209808.882	137943.054	122708.81	199350.459	174943.269	156097.976	182756.372	216896.03	173487.03	174231.952	225271.84
Q8K297	Colgal1	Procollagen galactosyltransferase 1	564.14	21.07	71061	11	23491.971	24336.808	21607.4199	115746.099	93862.589	223455.446	209774.549	173104.946	223994.236	211391.042	185283.654	208521.762	19512.273	282509.731	220872.765	1906443.406	197256.161	190909.437	
Q3J2V7	Comm10	COMM domain-containing protein 10	42.59	5.94	22812	1	0.04731231	3465.20865	0.03700274	0.02587718	0.02510227	5333.89902	5598.5479	4976.18769	4209.89229	6152.73217	4458.3035	4002.87968	5302.19759	5099.20722	0.03488812	2546.97118	3968.41502	4591.6994	5862.41836
Q88YX6	Comm2	COMM domain-containing protein 2	61.63	2.84	22848	2	0.04731231	27384.8303	30631.4498	57932.954	16367.4489	33064.1756	30570.0236	31114.433	39940.9936	28973.278	28130.8152	23406.2806	30993.0194	2077.9	1904.53	33196.8557	32529.058	33465.7029	21504.1305
Q83289	Comm3	COMM domain-containing protein 3	75.8	12.31	20337	2	0.04731231	4969.0969	4557.47181	4877.29853	5941.91515	3883.97925	5830.98179	5398.4228	5489.5178	6023.42988	7419.46466	36753.6553	7007.20899	4732.72259	6688.32151	5581.76675	6560.36424	4334.74363	
P35444	Comp	Cartilage oligomeric matrix protein	38.6	1.06	82664	1	0.04731231	20915.4628	15248.9758	0.02587718	8024.71328	28354.1847	28236.7949	44564.7034	36268.7493	20516.1791	28136.1582	24179.4798	28165.9409	27243.066	25235.6127	20160.469	18996.7035	25589.4296	39784.3455
O88587	Cont	Catechol O-methyltransferase	107.45	14.34	24986	2	7337.433	17075.14578	25270.2069	27492.536	21945.2988	30603.9414	24710.9919	27110.0237	33172.0032	33777.1944	24710.9919	34060.937	30045.0133	34474.6749	25330.2642	19851.2999	24169.2883	26452.5445	28046.4494
Q8B1G7	Contd1	Catechol O-methyltransferase domain-containing protein 1	238.91	26.34	28961	4	0.04731231	30754.333	10756.2233	23063.0255	69958.6336	47621.4386	19446.6871	27441.3911	29395.8481	17303.5264	19272.4641	18620.5529	16112.6692	22038.1017	19001.0746	32266.7304	28587.4144	8429.95035	3831.06216
Q8C1E6	Copa	Coatomer subunit alpha	1255.51	23.2	138432	23	12636.933	105437.15	230653.978	175302.699	194221.259	354979.272	395356.134	296655.118	389797.15	386832.236	321479.175	302255.47	377599.515	307443.472	322625.716	336719.345	292362.11	321919.528	285236.065
P23514	Coph1	Coatomer subunit beta	65.77	1.27	107011	13	3064.39261	151552.166	92620.7047	115961.022	87233.6016	194272.072	200146.247	220487.177	180139.48	157282.186	121042.548	186071.515	168362.69	150691.112	152825.99	169999.974	166141.352	129436.22	169682.488
O5142	Coph2	Coatomer subunit beta'	80.77	26.52	102551	15	10064.127	219624.834	197948.307	87472.0885	109534.835	231453.54	222349.531	231676.295	288548.024	235887.47	233384.63	255902.014	190222.383	254227.253	284300.025	203531.001	201612.759	206255.358	
O89079	Cope	Coatomer subunit epsilon	321.85	21.75	34567	4	9894.95738	7197.56256	7102.77927	0.02587718	5380.94182	17497.7412	15747.1866	12400.6392	16046.2699	13045.7644	16875.3452	12637.0553	2174.01859	10576.7609	13309.9201	10430.9136	8333.0134	4937.55789	5868.91381
Q4AEF8	Copp1	Coatomer subunit gamma-1	709.58	20.02	97614	12	152791.04	91457.6022	81699.8063	40441.4294	51466.2901	177621.577	176286.254	189715.253	20107.3388	135745.784	157461.25	167674.02	139519.101	116844.443	159381.888	174483.583	98763.4181	148668.666	150651.819
P91203	Copp2	Coatomer subunit gamma-2	486.4	11.14	97681	8	121617.559	125654.957	992372.7027	70287.8896	74316.7453	219404.367	173513.41	204051.73	208835.152	136669.007	187233.691	165541.394	162535.805	239479.279	151614.972	181447.658	111309.774	175607.92	151530.638
O88543	Copp3	COP9 signalosome complex subunit 2	73.66	2.93	51597	1	0.04731231	8293.57266	0.03700274	0.02587718	0.02510227	13629.3802	11719.6629	8197.8259	11719.6629	10607									

Q91W50	Csd1	Cold shock domain-containing protein E1	1036.8	29.82	88791	18	260788.105	122193.381	237276.517	172501.072	174844.001	303189.171	295346.838	321346.663	272782.955	345303.694	284108.518	326320.129	333280.239	314772.124	283109.684	361945.172	313500.731	319673.822	313085.609	
Q9ERK4	Cse11	Exor-skp2	802.11	18.54	110455	15	69818.43712	12660.394	101157.774	120948.474	71322.9859	191734.08	315604.823	321910.483	257570.23	127731.356	51484.534	34222.691	149586.278	138293.715	119097.148	156901.522	151045.803	127372.872	114163.607	
P09581	Csk	Yeast protein kinase-stimulating factor 1 receptor	539.56	14.84	109179	11	47860.9382	158218.356	184622.364	203475.789	221817.063	158117.091	117374.814	129897.778	152479.084	116500.546	84561.5345	141191.17	124358.629	132328.66	157015.426	152875.692	146667.382	154265.334	160999.125	
P41241	Csk1	Tyrosine-protein kinase CSK	210.22	11.56	50716	6	85881.1394	5137.9061	64795.951	32341.48	40572.0272	83722.460	158729.724	118823.700	70127.880	71731.6281	11529.7949	20561.5046	77407.2999	58997.2371	69500.0561	74447.4803	64409.4691	69007.5923		
Q04686	Csk1d	Casein kinase I isoform delta	86.58	6.75	47316	2	0.04731231	10296.1653	92020.13026	11162.4897	14219.184	4667.16386	11495.4596	10501.382	4961.29576	12439.5418	12877.466	12965.197	12206.5477	13102.3663	12147.8765	16787.3322	11706.5159	12379.944	15042.3098	
P19139	Csk2a1	Casein kinase II subunit alpha	214.33	19.18	45073	5	105325.281	73899.2607	89748.2529	107143.243	59821.3759	80653.8018	141.3422	6788.17348	73438.9508	84623.31	92209.94	62962.3129	59704.9058	64594.3723	87081.0769	62808.1294	68453.6169	57944.3061	75946.2062	
Csk2b2	Csk2b	Casein kinase II subunit beta	45.6	4.27	41515	1	0.04731231	2105.4035	551.18529	3927.76204	2007.0879	101.248198	1208.43799	669.886578	563.78274	209.911318	1373.949488	631.969098	1989.42299	0.0352762	1571.5688	758.74055	206.82075	149.0474	95859.59	
P67871	Csk2b	Casein kinase II subunit beta	171.69	20.93	24942	4	72197.2323	64713.9658	67781.683	52275.7278	53156.800	51675.7657	62062.4782	47900.6291	59899.8019	78306.9601	55622.8059	63252.31	63435.3923	54549.1496	72185.5057	52750.0003	60814.7721	61170.8241	48707.0184	
P97315	Cerp1	Cysteine and glycine-rich protein 1	260.59	41.97	20583	6	82439.3904	51315.0034	51613.5035	26952.8657	37611.3651	56038.6831	52906.7337	48837.2177	70317.2868	6066.1399	61805.885	65894.4332	60218.305	55429.8002	38232.6172	68341.1131	45493.283	62607.3271	59510.3936	
P14241	Cat3	Cystatin-C	118.42	17.14	15437	2	0.04731231	21093.3999	11604.8879	7044.3156	5408.11666	15981.9036	20503.2333	18181.6927	7863.30523	17731.5861	19418.4267	5829.82172	15314.641	22719.8065	13193.6522	10353.7708	4244.13955	15465.1678	17030.5434	
Q62426	Catb	Cystatin-B	245.11	66.33	11046	4	1.68960.343	11095.7667	215013.45	82006.872	63834.236	279237.327	242776.767	239576.637	204681.9	349666.588	272.956	219256.5	281615.938	304422.602	336002.59	165690.672	140712.244	256620.46	95801.2665	
Q8BI05	Catf2	Cleavage stimulation factor subunit 2	199.91	12.24	61341	0	43414.939	5277.05862	931.61559	19730.3157	20310.2368	2315.0746	6811.19968	1161.9968	1161.9968	17157.6265	16571.1507	8155.32701	12489.1153	13538.1828	16250.677	11808.5077	9979.30002	15367.4027	62397.9392	
P09917	Catf3	Cleavage stimulation factor subunit 3	244.03	9.34	82877	7	23349.0505	24692.4716	23359.7150	23574.3055	30430.2260	2615.1264	2801.6754	22786.044	26546.255	53636.257	57.127	19289.2809	2653.6517	58888.1037	27789.2337	30294.7742	32641.048	28228.9265	28926.3586	
Q9R511	Ctpe2	Cytoplasmic reticulum export factor CTAGES	59.11	1.8	87718	1	0.04731231	4093.2764	4565.46091	4388.03982	4340.93444	0.03665024	6622.80865	9124.26485	6490.33304	4212.20097	4396.42997	5532.18111	3004.24267	4917.73648	5012.4338	6055.88124	6304.65728	4803.39935	5697.44173	
Q88712	Ctbp1	C-terminal-binding protein 1	228.09	13.83	47745	5	43442.9245	86236.5945	86420.2367	50122.7495	60435.692	94069.0344	106181.943	102335.242	96016.748	93728.9490	97200.6731	88852.8211	99843.29	38010.8186	41483.4257	121181.35	83968.097	85448.0235	96048.2541	
P56546	Ctbp2	C-terminal-binding protein 2	208.41	16.4	48957	7	5189.271	113524.858	118214.712	116762.6511	77610.2197	123631.207	131365.051	112606.37	111085.114	117322.766	116727.876	117053.482	132271.888	80649.8175	86387.754	137794.216	131640.351	114645.346	127371.447	
Q9VCN5	Ctn	Cystathionine gamma-lyase	407.83	22.61	43567	6	55253.5272	95454.4141	71551.4479	34611.7208	45652.6357	165300.958	154726.218	124683.8	143337.916	114004.595	134617.944	88185.0213	112243.033	98401.6388	116101.994	98103.4259	79154.0278	89790.5851	79468.471	
P64824	Cnmb1	Beta-catenin-like protein 1	89.81	2.84	64948	2	17759.7066	21457.735	12764.0913	17287.5749	11568.9821	28865.5678	27254.8975	21882.8782	18333.4891	22608.4228	10601.8176	17048.2231	19320.7920	14703.9811	14046.6975	20035.9233	20590.1108	13996.0426	24760.7137	
P30999	Cnmd1	Catenin delta1	200.81	6.18	104925	5	0.04731231	18658.5138	8128.8478	5561.3707	8582.93367	12542.0372	22666.0551	18658.7208	17458.0115	22200.877	18959.7577	51053.541	19513.204	2451.2459	40537.8529	25934.0786	16671.6836	14821.8285	14555.667	
P70698	Cps1	GTP synthase-1	300.54	13.54	66682	6	26875.1695	42401.9643	315430.7908	26784.0597	33754.7688	15129.9298	44038.9147	45645.4382	39902.0057	57999.4060	62655.6769	64077.7597	7632.0532	65128.3093	94284.1463	33539.2456	56344.8414	77489.5885	47811.9797	
P16675	Csa	Lysosomal protective protein	1182.56	38.61	53844	19	97399.749	1317556.87	150296.11	1111506.97	995334.253	156995.13	1436583.9	1282838.64	1384459.12	1106684.1	1166238.19	1191929.16	1184740.46	108444.46	108264.784	1285203.88	133946.68	1122599.6	1160295.95	
P10605	Csb	Cathepsin B	1457.13	63.72	37280	21	49441.256	425383.263	473219.537	328905.235	266790.265	107496.84	1305461.32	112022.46	1130842.4	498882.132	586521.624	83765.144	62734.609	60838.287	556693.446	651447.834	592345.258	576604.53	60411.8432	
P97821	Csd	Dipeptidyl peptidase 1	372.14	11.04	52376	5	62799.1081	193281.149	185465.667	97635.5459	94974.620	112875.805	135798.072	12920.564	122357.931	17014.564	135759.013	132697.794	163215.944	157100.093	142484.698	205553.011	188637.12	184178.232	211590.583	
P18242	Csd	Cathepsin D	1911.02	69.27	44954	30	24811.7574	226549.922	219426.349	1306699.7	1019315.46	1868152.74	425196.124	393046.594	386644.178	2454913.29	2609947.65	2180340.69	261063.63	2279856	1201142.7	2845294.94	1970797.99	261508.49	27548.918	
P06797	Csl	Cathepsin L1	90.76	9.58	37547	2	0.04731231	10331.1494	3732.36392	0.02587718	0.02510227	5510.36412	4656.17745	4922.7638	0.03727605	0.03074934	0.03500571	0.03545808	7430.6261	5391.27319	0.03488812	4680.37327	0.03396139	0.03434898	0.03500218	
O70370	Cst	Cathepsin S	1140.0	39.12	38475	8	901562.881	182758.931	17170.44	98998.9788	100306.801	188812.067	253432.812	200376.602	263025.462	157288.106	139770.338	150033.608	151995.269	161351.085	187016.456	1758285.805	126807.944	135761.563	159736.734	
Q9W107	Cts	cathepsin Z	758.66	53.92	33996	13	28156.817	123711.64	13720.78	16275.316	94270.570	16798.32	12325.417	84773.86	161018.76	104187.66	104187.66	104187.66	104187.66	104187.66	104187.66	104187.66	104187.66	104187.66	104187.66	104187.66
Q9W107	Ctsh	C-terminal-like protein	71.75	2.1	69841	1	0.04731231	4006.1278	0.037788	0.037788	0.037788	0.037788	0.037788	0.037788	0.037788	0.037788	0.037788	0.037788	0.037788	0.037788	0.037788	0.037788	0.037788	0.037788	0.037788	
Q9XCX9	Cued2	CUE domain-containing protein 2	47.29	3.17	81852	1	0.04731231	5357.17664	2334.93002	402.40955	25041.021	6865.53702	3362.52378	8823.39020	7130.41609	3102.002	2017.054	9026.4231	15910.195	9172.6808	6607.8067	7371.28519	6752.40407	8041.61671	7968.31616	
Q9W726	Cul1	Cullin-1	158.66	6.1	31962	4	48124.8588	24897.1599	2441210.96	20485.908	39724.4328	73668.8847	28847.4620	7100.4625	1110.568	28180.552	24841.82	27555.9287	3414.8942	28251.4729	25110.477	25607.2832	19712.3995	30929.8257	13472.566	
Q9D4H8	Cul2	Cullin-2	49.27	1.74	86877	1	685.537937	1395.82591	0.03702004	0.02587718	0.02510227	4743.29501	4687.38041	4281.58927	5922.94491	2533.67988	0.03500571	2566.07543	2624.69197	2394.73955	1708.75134	3067.05166	2517.29823	1736.06251	407.18606	
BSD34	Cul3	Cullin-3	174.39	9.51	88329	4	0.04731231	7396.15357	9672.58432	0.02587718	864.004698	14272.5571	15701.1277	14326.2939	23417.682	12967.427	911327.3947	13749.2112	10112.1593	11175.1945	4171.69877	9964.73077	13872.6581	10808.627	11874.854	
Q3TCH7	Cul4a	Cullin-4a	145.64	3.82	87753	3	39306.3497	4071.314807	28066.6723	27610.2661	49471.9454	43539.631	41198.3453	34273.3151	44273.9478	9473.1777	35743.2529	39747.3420	36544.6668	30918.2962	31581.7578	38279.9614	36341.0115	40278.7196	39350.2384	
Q34432	Cul4b	Cullin-4B	138.72	3.2	106909	4	3195.1649	42401.9643	315430.7908	26784.0597	33754.7688	15129.9298	44038.9147	45645.4382	39902.0057	57999.4060	62655.6769	64077.7597	7632.0532	65128.3093	94284.1463	33539.2456	56344.8414	77489.5885	47811.9797	
Q9D335	Cul5	Cullin-5	161.96	23.3	90974	2	5161.96209	7183.30495	1171.92584	8860.0021	32974.8863	16615.2316	8940.8258	13178.1209	4427.9138	11933.4778	10093.8207	8909.29936	6546.88785	4010.9707	7259.25484	8216.83012	5735.05804	5537.67999	3279.23912	
Q6MGD0	Cuta	Protein Cuta	41.44	7.91	18659	1	0.04731231	7186.42266	4814.70676	0.02587718	0.02510227															

Q81047	Dds42	ATP-dependent RNA helicase DDX42	329.58	8.29	101965	7	20211.2664	8956.2488	43848.3983	48001.199	52532.5978	40909.8387	40913.3149	58507.402	48028.0952	44550.8172	55266.9778	50233.8574	41758.3351	55411.8415	57922.4187	46907.5116	50863.1921	42804.1368	
P56925	Ddx46	Probable ATP-dependent RNA helicase DDX46	518.01	12.21	117448	12	289252.885	81635.0737	74835.4684	111356.229	91537.2854	96903.427	95062.2388	10191.347	9475.0361	114270.731	103250.538	96181.9172	101204.79	90993.4734	74048.4268	104145.285	95546.4766	110688.864	104910.839
Q9CWX9	Ddx47	Probable ATP-dependent RNA helicase DDX47	292.8	11.65	50639	5	13774.9819	53944.5274	36702.2432	54717.6249	56512.885	36532.3148	42869.7623	38083.5739	45284.113	50808.067	59296.6035	56073.9062	48049.2666	59359.0069	50510.2477	52342.7438	43043.6735	43984.7311	51177.2549
Q4FEZ3	Ddx49	Probable ATP-dependent RNA helicase DDX49	56.8	2.08	50494	1	26749.7145	10181.6771	9459.7155	6453.2008	6709.897	10998.48	10112.9487	9755.45053	9607.45671	8771.0678	9079.47265	11137.6938	11097.7229	8866.25999	10317.6466	8793.7738	7761.2899	9493.7231	28666.9828
Q61656	Ddx5	Probable ATP-dependent RNA helicase DDX5	1979.67	53.58	69290	35	2409494.05	2022091.19	2054484.24	2122748.33	1990284.12	2149797.05	2179906.64	2254402.54	228416.71	252214.78	2012719.91	217569.675	2375189.3	2318169.48	217569.675	2551240.61	2102574.43	2430345.35	2338426.88
Q99499	Ddx50	ATP-dependent RNA helicase DDX50	62.71	2.59	82175	2	4388.24938	17544.8944	13953.6892	20337.0132	226608.1259	135664.4311	13244.3363	4609.5398	79255.3984	18823.7924	17693.7851	16999.2244	14336.7962	16660.5333	16869.5333	14538.1228	15764.7895	16873.3538	15105.2922
Q8K101	Ddx52	Probable ATP-dependent RNA helicase DDX52	36.85	2.24	67474	1	0.04731231	8318.60277	6177.45508	1186.1567	8082.92012	10922.602	10765.5908	9745.4248	11353.4111	8777.10524	14725.5648	10464.2669	9838.1563	9907.1399	11003.121	8201.86199	9688.13343	12306.7332	
Q8K410	Ddx54	ATP-dependent RNA helicase DDX54	265.75	8.35	97748	6	0.04731231	51103.7135	38439.964	53244.8485	46627.58428	42555.6882	44747.6525	36315.0168	39952.7667	47752.0126	38004.1485	35175.5397	45913.3975	40227.9893	40384.5283	44317.207	37600.3816	51596.9208	34544.6657
Q9D044	Ddx56	Probable ATP-dependent RNA helicase DDX56	105.90	9.89	61212	4	7626.996321	4141.7057	26482.8048	60649.1068	56607.57847	40556.225	32679.2303	36473.5189	39479.8797	39634.654	42986.2001	43820.260	36794.6204	43165.1785	49577.5007	43419.0005	41060.494	49663.9315	40138.4932
P54823	Ddx6	ATP-dependent RNA helicase DDX6	665.64	33.54	54192	11	8057.9538	11793.768	91548.6126	63281.8271	71832.2293	121453.156	145965.358	149999.481	121399.903	162892.656	150097.73	158795.92	152316.448	147748.678	150218.261	180720.538	115866.424	148697.948	153248.09
Q9CQ62	Dceer1	2,4-dienoyl-CoA reductase, mitochondrial	110.5	2.25	36214	2	0.04731231	28370.97	16428.6232	16737.901	13446.2282	26874.5416	31275.724	30703.6027	25952.783	26189.668	19754.0768	24984.7127	20574.2589	21110.5148	28965.6917	25120.3418	22999.1295	24421.268	23679.2513
Q90905	Degs1	Sphingolipid delta(4)-desaturase DES1	43.48	5.57	38241	1	0.04731231	7189.0666	12436.348	11125.3276	10519.1973	3936.89673	3626.03697	3978.05467	5578.93514	4926.43645	7285.0707	5273.48659	7772.42111	7351.6594	8571.61716	5516.4688	4551.6935	5067.4732	6390.12789
Q6AAX3	Dek	Protein DEK	210.5	10.38	42892	4	61196.1787	8281.7459	7650.23362	94511.98813	136643.4659	76823.3573	68523.9451	98813.3645	4099.5398	10653.448	10653.448	9603.8439	91688.5988	94975.8758	11008.922	8561.2431	10244.916	18222.6199	
Q9CQ16	Dendr	Density-regulated protein	159.59	17.68	22166	2	0.04731231	8588.23709	9447.73142	10713.1666	9782.72901	9735.71158	13145.3348	9923.67499	10521.801	12327.8080	11923.1853	14460.316	10497.8022	8306.6114	9279.26167	9479.17713	14000.3907	10596.2563	10258.0159
Q91Y13	Dera	Deoxyribose-phosphate aldolase	254.4	20.75	34975	5	17328.2373	4670.8493	39168.8398	8122.1496	20581.1661	51401.7777	61207.9443	52737.5125	48609.9156	49146.1988	44611.4808	56897.866	54525.5596	50164.148	43138.052	95585.8763	55505.5714	43082.9973	54191.2626
O85650	Dgkz	Diacetylglycerol kinase zeta	147.96	7.32	104050	6	0.04731231	20315.0434	25154.3589	15813.8468	21978.7773	30997.2672	31911.5681	32037.6977	29197.5115	29191.4299	33022.4974	29158.9819	29014.5671	32748.0974	34844.5495	32988.1084	26877.3736	29199.9246	23529.2676
Q8B186	Dgkyl	D-glutamylase kinase, mitochondrial	146.82	6	66366	3	5763.7208	2628.9252	21190.7012	15979.6645	4580.88967	11991.2564	14798.4444	16286.3152	16231.0373	19539.047	20428.9626	19821.7109	17122.9513	16132.6495	25096.1998	16230.3835	20866.2673	28906.6489	23478.671
Q9XQ60	Dgkuc	Deoxyguanosine kinase, mitochondrial	39.78	3.25	32281	1	0.04731231	16342.1247	16773.7273	14457.3527	8683.45571	20598.1566	14238.2097	16745.3848	18902.48	11325.2872	11489.41	16109.3398	11555.4355	12598.5492	10543.3205	10199.3406	10691.7836	12478.803	11099.7451
O8B445	Dher7	7-dehydrocholesterol reductase	138.28	5.1	53919	2	8123.32339	27807.6759	240822.7115	43597.5134	37621.2617	21140.8389	14459.866	16438.0176	19452.8577	17412.2435	33123.2023	22628.1534	14238.5143	22602.6783	27345.0576	26230.1536	19356.395	18878.504	16971.3632
O8B458	Dhdh	Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase	57.41	3.6	36301	1	0.04731231	6109.98125	5440.16959	6025.87718	4642.55265	14855.4356	7022.96681	8741.04188	8596.9322	5432.80409	6926.94947	5853.9692	5717.69343	9625.15544	9255.28994	7340.37037	5306.58676	6040.11749	5740.258
P00375	Dhfr	Dihydroorotate dehydrogenase (quinone), mitochondrial	233.1	33.69	42106	5	4421.32281	31790.9229	21616.1642	4592.80674	3427.0007	28572.9182	43729.6551	37638.6963	18217.4994	52063.9947	33554.6191	27539.1682	31127.3923	21578.4477	46647.8535	35196.4438	29775.148	35091.8224	33765.9326
O35445	Dhohd	Dihydroxyacetone dehydrogenase (quinone), mitochondrial	167.87	9.62	42700	3	12280.9224	23106.522	27664.8685	38504.684	16050.1294	11997.5084	18817.8446	19697.5947	27947.7364	20629.9949	13754.4269	20910.3277	17410.3265	18972.0863	20925.6125	21194.9045	14357.6937	16930.562	15494.6387
Q99104	Dhrs1	Dehydrogenase/reductase SDR family member 1	287.44	28.12	34005	6	18552.0429	31934.5294	42440.6601	42420.5292	40200.5373	61652.7525	39160.5534	62975.8163	58803.8524	27076.3981	44473.6384	40678.2612	36075.1918	40008.8105	43659.3674	41517.112	42240.7074	30762.3842	48982.116
Q99182	Dhrs1	Dehydrogenase/reductase SDR family member 4	400.76	36.2	29885	8	58661.0311	89248.6594	80572.7243	33070.2041	41154.8643	77467.8242	79635.3626	70634.2838	69129.8105	81605.8147	69580.2004	72795.3687	78474.9945	60822.0583	94501.7806	78833.9506	75526.7393	81574.5755	83270.4342
Q99147	Dhrs7b	Dehydrogenase/reductase SDR family member 7B	231.71	17.03	34987	4	0.04731231	25826.7465	29808.9731	39923.6917	31061.003	38237.6908	2710.6267	29283.1344	37306.8656	26063.2645	29410.9085	24327.3689	18432.0061	36156.5511	33992.1782	30553.6015	23234.8809	19712.4195	28561.292
Q58N86	Dhrs9	Dehydrogenase/reductase SDR family member 9	55.21	3.76	35242	1	0.04731231	4324.40801	6233.0449	6025.87718	11188.1668	15783.7598	1930.6127	11884.3798	13895.7123	5325.552468	9948.6354	71.1099248	7571.71464	10356.7077	6758.48247	0.035808005	0.03396139	6630.89026	0.03500218
O35286	Dhxs15	Pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	129.57	30.31	91007	23	295026.727	408122.185	389265.618	519994.131	539106.92	423227.216	426768.191	416027.145	418107.248	513623.661	440649.171	467891.365	476141.742	420717.05	452751.855	487626.085	434295.343	4148683.887	389320.232
Q5B180	Dhx30	ATP-dependent RNA helicase DHX30	110.67	2.36	13997	3	0.04731231	12783.1933	12953.6557	6481.0666	12866.3929	12891.7686	15767.1818	11834.5314	14848.7071	13612.8790	146407.8543	15778.405	10895.778	18621.949	16521.6106	15162.8246	9019.2946	11552.853	14349.3651
D4A228	Dhx36	ATP-dependent DNA/RNA helicase DHX36	220.64	6.4	118348	4	0.04731231	23634.9369	148371.1178	6269.9302	12259.8737	23561.7863	22609.2297	19242.364	23833.1194	26033.2986	21131.6115	21676.4609	19041.5677	23367.9277	16020.0175	23510.9362	20297.291	16338.9577	27019.564
Q6PD53	Dhx57	Putative ATP-dependent RNA helicase DHX57	44.62	0.79	155762	1	21856.2285	3268.78576	3941.92865	6025877.118	1025310227	6174.50653	5275.76945	7108.78685	6229.3168	3385.9922	5154.23197	4972.97335	5351.01883	3998.87489	5423.04311	4712.83419	3559.31801	4696.50602	4138.88438
Q70133	Dhx9	ATP-dependent RNA helicase A	2133.99	27.17	149475	37	913302.591	902547.36	807842.366	1400022.54	114854.515	747649.536	686164.441	764916.278	7486.114	93838.538	657324.586	724579.308	799825.338	7314409.501	817253.96	869066.623	751063.6	948482.042	788378.385
F1M775	Diah1	Protein diaphanous homolog 1	115.93	2.69	140409	2	396.41908	5700.18297	5059.41491	70131.2514	6461.53844	9458.92093	5579.24894	6242.8208	11044.3338	634.84566	6992.97468	5094.82734	5214.19825	10500.6602	5731.47033	6271.20256	5617.65456	1437.52708	5900.56566
Q8C9B9	Dibd1	Death-inducible oligomer 1	92.65	1.37	47176	2																			

Q8RIQ8	Dync1l1	Cytoplasmic dynein 1 light intermediate chain 1	437.14	22.18	56614	7	14588.0618	54420.5354	56953.2161	36021.0558	33899.7027	9131.6997	73894.9817	84001.8786	77428.8021	41690.524	80070.4949	75365.7824	77192.662	82300.6101	77470.7161	62949.2504	62437.6213	69638.2087	67995.6923
Q62968	Dync1l2	Cytoplasmic dynein 1 light intermediate chain 2	284.19	13.08	54745	5	14748.9368	36012.9227	29416.7661	20701.4124	21094.4339	41029.2706	49455.9616	50040.8096	48327.2384	71690.574	52105.0838	41000.4244	44254.5933	40940.9461	38477.766	32895.6282	36238.6519	38347.96	31148.5627
P63167	Dynll1	Dynem light chain 1, cytoplasmic	36.26	12.36	10366	1	0.04731231	2184.9034	2133.4079	16352.807	22735.3442	22044.7253	31656.8717	26785.7496	14878.7615	29710.5558	23273.3692	23239.2091	35326.96	35420.5156	20767.7481	35967.0316	26927.8467	31021.734	28960.3891
P02920	Dynrlb1	Dynem light chain rod-type 1	100.25	26.04	10990	2	0.04731231	9295.3227	6173.07945	6853.09863	6704.52842	11400.3065	15448.848	13690.7929	14787.1465	11458.2221	15728.9061	12433.1137	11492.6569	16336.7133	9778.7362	10542.834	8234.16454	8998.77431	11953.1438
P51807	Dynhl1	Dynem light chain Fceta-type 1	61.35	15.93	12483	1	0.04731231	1328.81166	0.030770204	0.02587718	0.02510227	1946.45666	3265.22212	1830.83322	1082.4372	2779.4183	4766.68485	2160.69333	5290.78899	8545.3704	2603.44033	3226.39337	0.03396139	4012.7446	2848.3011
P09193	Ebn1	Protein RNA-processing protein EBP2	147.95	10.46	34703	3	59534.4993	5119.7066	36807.11726	69745.602	60598.6106	29462.4997	26635.3297	31746.5967	34392.9428	43244.0154	38641.7534	38062.7669	88002.6056	30231.4452	37556.4797	56873.2359	36837.1874	44562.2466	61433.4911
O35459	Ech1	Elongation factor 1, diacylglycerol-CoA isomerase, mitochondrial	213.73	10.4	36118	3	36152.13	52728.8704	59783.3268	43333.3371	35490.1027	58055.628	64527.9421	62651.7457	70919.9459	46726.239	61238.6544	46759.2684	48434.17	35279.7464	36617.1388	63921.6905	44572.4327	41813.9658	58729.0131
P14604	Echs1	Enoyl-CoA hydratase, mitochondrial	225.57	22.41	31516	4	25104.3637	34016.5179	24620.8605	33958.9365	10504.4144	61840.2185	56581.2166	46073.2296	49425.1498	48522.9452	10585.1606	50476.6402	56042.5346	46985.6276	42569.7677	47654.1293	46537.0395	50916.6474	44554.8541
P42125	Eci1	Enoyl-CoA delta isomerase 1, mitochondrial	527.1	41.87	32250	8	132046.53	152673.438	138420.098	105896.429	58650.5504	141302.439	156004.887	133917.841	166581.871	140644.465	131725.493	116892.024	137662.935	1206609.029	112372.559	141215.161	105969.617	136026.78	134169.259
Q5X1C0	Eci2	Enoyl-CoA delta isomerase 2, mitochondrial	69.63	2.3	43021	1	16840.1414	5213.6107	10575.0122	80877.822	105898.427	7443.47002	8046.55551	7920.8194	9426.86607	6277.12739	10332.7471	7596.08825	6948.58312	6018.41309	9312.87847	7946.50466	7443.24626	6598.12511	83169.522
Q6P915	Ecpas	Proteasome adapter and scaffolding protein ECM29	95.38	0.98	203703	2	25972.3763	14416.2236	12451.58171	2357.12961	0.02510227	3114.5846	25719.7818	29842.8637	28630.3719	23985.3521	20976.0712	16132.2778	16226.897	15930.1444	17450.0239	24651.5066	10964.7038	18093.537	19834.2447
Q3ZAV8	Ecd4	Enhancer of mRNA-metabolism protein 4	254.96	5.12	125396	4	0.04731231	23431.8089	27675.1567	8258.9565	20844.0214	45142.0685	39066.0343	35892.3597	44479.1647	29939.367	45247.9647	40331.0335	27847.3176	42117.7987	50530.1383	36229.5249	24664.6958	30456.9833	36246.6765
P69736	Edf1	Endothelial differentiation-related factor 1	104.07	16.89	16369	2	94336.5332	32997.6916	42252.28	21814.7959	38766.6686	37878.2433	38221.4508	33948.6581	30574.4884	33986.5282	36010.7243	31950.3814	37699.9006	31785.2526	31971.213	26367.3407	31665.6521	31723.3637	37407.37
Q81B16	Eed1	Early endosome antigen 1	586.06	10.84	160915	12	59736.7298	115325.271	102767.781	84816.2163	78336.3091	194407.33	204629.358	199077.22	180488.185	187177.927	152863.251	171239.631	149372.491	143008.798	131086.007	134161.607	153913.571	156210.483	143188.266
Q92126	Eef1	Polycomb target protein EED	90.1	6.58	10918	2	19529.499	4657.77928	5251.87888	6729.94187	11648.0259	5395.8568	940.97989	6432.07249	13798.442	5730.1058	6682.38595	7788.73376	14384.4904	4915.82744	11910.997	5160.67895	11418.9798	9609.30256	14561.6841
O10126	Eef1a1	Elongation factor 1-alpha 1	2187.86	65.58	50114	32	25730804.8	19486717.1	19168700.7	11686624	15767993	20441472.2	20982994.2	18596411.7	19393894.4	22946346.8	19359647.7	20087865	22084848.8	2212026.6	21137564.8	21988363.9	22220935.1	22051478.9	2048962.1
O70251	Eef1b	Elongation factor 1-beta	362.5	28.89	24694	5	1233231.67	4213.1163	4455789.316	220561.004	238671.455	41344.628	426333.996	455583.93	392227.141	611989.855	516026.293	555743.577	578725.267	522529.102	505567.17	60109.982	541792.985	548974.338	449007.957
P57776	Eef1d	Elongation factor 1-delta	1088.8	56.94	31233	16	909210.738	974664.46	831348.655	396511.299	561632.191	970626.935	1226647.1	1101988.21	954745.868	1410551.4	1378459.22	1189638.7	1380676.3	1400988.57	1153015.86	1420398.62	120328.34	1289332.93	123809.34
Q9D80	Eef1g	Elongation factor 1-gamma	1473.49	69.57	59061	24	1938319.26	2099997.9	1925514.18	1148887.6	1386548.61	2410999.18	2280072.44	2338422.38	21110189.24	28021.729	2554420.25	2449137.17	2815200.61	2799005.02	2201470.02	2886951.08	2582071.59	268341.18	2348189.63
P58252	Eef2	Elongation factor 2	3752.25	10.9	95314	58	7298593.9	581651.29	1451943.79	2794788.71	304185.83	780789.95	6679164.97	677551.76	658862.45	1187651.6	14749227.76	7431223.9	5757576.93	312323.9	7303275.33	321855.75	819005.78	1576080.59	661665.21
Q9JHW4	Eefec	Senescence-specific elongation factor	237.89	12.69	63539	2	11153.298	67438.6704	54200.1692	33867.991	29641.5324	77129.0936	59210.5819	74787.8952	62857.7080	86191.571	73355.9366	69195.6912	72510.617	65069.9776	67651.759	73654.6382	747330.207	77467.5794	49250.984
Q4FZY0	Eefh2	EF-hand domain-containing protein D2	113.68	59	26579	18	100822.42	119424.75	97669.892	448472.913	648335.031	1306710.26	1743490.91	1340977.64	120006.8	1403644.47	1238917.56	1034790.46	919504.628	97920.091	1261605.35	763031.35	1148590.24	101278.47	101278.47
O88810	Eefh2L	116 kDa U5 small nuclear ribonucleoprotein component	933.4	25.23	10361	19	156252.87	66984.544	616638.142	52912.1201	54572.254	726131.083	671526.071	59744.482	552381.345	81126.765	798441.48	631115.467	790054.465	761183.343	709022.63	797255.27	804852.402	800874.05	661381.51
Q9NM57	Eefh11	E1f domain-binding protein 1-like protein 1	59.99	0.99	184834	1	0.04731231	4437.5001	60421.93795	5947.2075	5917.2074	8324.10728	63233.8334	35418.1051	8245	2101.67193	13555.1785	8487.407	9493.58222	6596.93543	7714.0086	7006.9611	80252.3504	60578.8291	61623.3911
Q64126	Ehd1	E1f domain-containing protein 1	685.35	13.32	60703	13	87833.9243	86457.8667	73637.3442	3673.1642	62920.8105	170029.389	219631.114	230031.683	188514.55	142465.838	156926.118	128706.992	142645.788	116481.895	130543.357	164807.524	123399.688	152225.952	147524.323
Q8R491	Ehd3	E1f domain-containing protein 3	345.1	33.08	60661	7	58944.8754	6139.12445	54133.304	34039.269	6160.4318	141802.522	175534.857	170585.891	133699.635	118403.587	133906.891	108964.448	113802.28	99408.5195	103101.18	138267.669	9361.282	101479.535	125405.876
Q9EQP2	Ehd4	E1f domain-containing protein 4	849.75	35.86	61481	17	114583.578	200243.756	153797.982	112671.347	133306.22	349785.53	382373.848	386847.803	376891.907	317170.58	306027.201	293872.016	313245.166	267426.574	274527.224	305839.996	226669.901	297976.62	279829.983
Q3DW34	Ehmt1	Histone-lysine N-methyltransferase EHMT1	52.54	11.66	141999	1	7167.1415	10627.2489	3404.24034	5862.35798	61167.9326	67557.9212	67033.5019	188480.985	3167.5816	23380.9607	35457.9013	37393.5577	26536.0689	25194.7147	11494.3859	31403.7385	3431.7733	22975.5107	63532.3061
P48023	Eif1	Eukaryotic translation initiation factor 1	121.94	15.13	12747	2	0.04731231	11694.4143	159853.004	10022.8795	2728.63082	5368.53174	4780.399	6011.85657	5254.53035	11890.7374	12751.3099	9571.68118	12877.958	30985.139	12622.202	16679.7762	12881.4568	16144.967	14541.526
Q8BM5	Eif1ax	Eukaryotic translation initiation factor 1A, X-chromosomal	257.75	36.81	16460	5	30953.1949	45666.1185	26257.6877	20597.0321	21414.96	27769.2655	59162.5726	52267.2531	45011.6132	60874.6344	40054.8712	55531.9089	64397.5864	43498.0217	54446.8172	53163.5224	44526.1672	53163.5224	44526.1672
Q8JW16	Eif2a	Eukaryotic translation initiation factor 2A	833.1	38.73	64403	17	152126.172	25573.2611	264320.582	323095.948	295173.803	308476.132	307325.67	313096.667	281106.852	33989.249	27180.5143	286859.826	350763.773	310165.921	298067.611	285298.172	288308.751	304780.413	327393.071
Q03963	Eif2ak2	Interferon-induced, double-stranded RNA-activated protein kinase	382.11	19.81	58280	6	12003.5977	22220.2163	19751.4525	19025.369	14637.893	192113.8894	37177.0073	38119.94719	34184.1719	32210.5403	32112.0492	26306.9424	32019.5038	44010.64177	28883.9422	34743.5293	30438.3525	33240.7428	350047.1372
Q991C8	Eif2b1	Translation initiation factor eIF-2B subunit alpha	98.49	5.57	33816	1	0.04731231	2663.67789	1830.56775	0.02587718	1820.46344	4237.77867	6169.64121	5992.25319	6380.93201	4465.68973	6517.25843	3972.08842	5237.62557	8032.3326	5338.7482	5809.59336	4371.04663	4047.26232	5298.72856
Q01749	Eif2b2	Translation initiation factor eIF-2B subunit delta	211.27	9.92	37624	4	12347.7362	30266.6013	64266.0688	19459.6652	27518.1282	61081.5769	5515.2517	62244.3612	52755.374	75408.9046	7880.83598	74669.2044	79066.5611	80252.3504	60578.8291	61623.3911	68525.2964	71817.2824	62804.0244
P88101	Eif2c1	Eukaryotic translation initiation factor 2 subunit 1	875.77	56.19	36108	15	47763.351	52550.2354	66440.575	26282.451	32018.82	727978.328	810457.038	728704.127	640602.379	311830	357619.491	80661.899	821692.763	655999.414	539645.505	620197.126			

P48193	EpH41	Protein 4.1	214.64	8.16	95911	6	43360.4522	57525.2818	45138.3882	34870.1768	40461.7216	66460.4022	60277.4211	60969.6133	84006.695	59230.9055	59725.5372	57409.058	58141.7889	51185.1608	41090.8646	61737.3983	49133.8843	60104.7001	48257.8179
O70318	EpH412	Band 4.1-like protein 2	480.88	13.46	109940	10	113879.748	7342.0024	9550.866	107948.586	51455.532	104910.871	90971.327	149681.18	104038.316	66215.5074	79838.2145	95379.0754	84511.4393	73047.3754	76514.7467	83782.7398	89097.4637	78286.0116	75806.145
Q8CCG7	Eprs	Bifunctional glutamate/proline-rRNA ligase	2295.82	34.06	170079	37	966482.863	748043.68	752998.963	612806.475	661720.66	1222662.58	1112557.27	1180801.71	1055982.87	1068431.41	942032.227	1023321.88	1008333.54	89504.219	926184.447	930730.787	961814.119	951203.467	851341.244
P42561	Eps15	Epidermal growth factor receptor substrate 15	51.17	1.23	94476	1	0.04731231	3735.35933	0.03070204	0.02587774	1424.39242	3914.10174	5460.51128	4767.29651	3480.68182	3923.42821	5461.0398	4835.56053	716.13641	5084.82611	6988.56859	2705.399	0.03396139	3696.07128	4639.52758
Q60902	Eps15l1	Epidermal growth factor receptor substrate 15-like 1	40.21	0.88	99309	1	0.04731231	4212.00139	0.03070204	0.02587774	1424.39242	3914.10174	5460.51128	4767.29651	3480.68182	3923.42821	5461.0398	4835.56053	716.13641	5084.82611	6988.56859	2705.399	0.03396139	3696.07128	4639.52758
Q9EQH2	Erln1	Endoplasmic reticulum aminopeptidase 1	290.12	7.96	106599	6	122366.93	921.5756	4560.10055	41496.023	10025.1127	90322.76465	7160.76007	6322.82997	8200.89364	4899.65035	3291.47929	6739.19483	5947.95613	5406.5344	6330.83473	3989.30654	6283.64128	6357.56169	
Q80172	Erbin	Erbin	48.17	0.86	157248	1	0.04731231	5893.1881	3503.4695	10786.9874	10362.2477	6125.57498	6179.44094	5992.87367	6222.46364	4466.7174	5096.0782	5720.36157	5037.68398	7135.83964	6319.28287	5063.21583	4802.12753	5651.57071	6642.29796
Q9DC16	Ergic1	Endoplasmic reticulum-Golgi intermediate compartment protein 1	136.17	1.0	32562	3	30088.0864	39481.1889	56157.6268	64310.6327	69066.0847	69137.0515	5279.4266	40908.8787	5929.82601	3818.991	5406.07021	39530.2438	42025.7887	46494.9578	43014.3296	46373.8425	42862.481	43190.8831	15338.371
P84089	Erh	Enhancer of rudimentary homolog	209.68	41.35	12259	3	62900.5516	75007.9562	96051.9182	260698.801	158963.464	59226.2228	37689.4607	40177.9898	49381.4854	70003.5853	46431.8577	58814.7049	73097.942	115374.19	98408.884	22746.859	36952.6137	76544.6814	47153.276
Q8VEH8	Erlec1	Endoplasmic reticulum lectin 1	38.11	1.66	54906	1	0.04731231	5696.91045	4009.72074	2910.77075	3744.27142	5654.50088	4193.37046	4623.23805	5198.66777	3564.24345	3963.60721	4424.98417	2710.90103	3112.0963	0.03488812	4348.3095	2972.03001	4104.79326	5565.361
BSDH2	Erln2	Erln-2	170.79	14.45	37710	4	20521.0469	45939.4244	57461.6849	65537.748	88629.3192	59017.9121	39084.8855	46117.549	52339.8574	19915.8095	23427.1027	34998.8432	32382.7956	35177.8223	43396.0537	38222.6151	43077.8387	36914.713	38634.9439
Q9UW00	Ermp1	Endoplasmic reticulum metalloproteinase 1	79.44	1.5	100148	1	0.04731231	10331.1494	0.03070204	0.02587774	1424.39242	3914.10174	5460.51128	4767.29651	3480.68182	3923.42821	5461.0398	4835.56053	716.13641	5084.82611	6988.56859	2705.399	0.03396139	3696.07128	4639.52758
QR8180	Ero1a	ER01-like protein alpha	441.6	17.89	54084	8	23735.3909	76972.4293	36945.176	14413.909	14492.9006	66691.851	39564.9712	96469.3973	72655.5033	86669.7525	100421.1448	63750.1769	90833.579	62923.5786	70912.1983	99536.5743	68422.9678	72639.0745	87323.2493
QR829E	Ero1b	ER01-like protein beta	173.28	8.99	53518	4	13746.8992	32682.9598	14640.2842	2721.76058	4858.38749	21993.1104	39968.9016	43140.9387	32512.5916	3901.5912	23326.9884	25158.6457	42514.2771	30058.1409	24300.1923	43396.1048	28036.1871	31488.1804	39041.7832
P57759	Erp29	Endoplasmic reticulum resident protein 29	459.01	45.04	28823	8	32193.9161	451751.529	34077.541	95869.6675	85792.1226	323582.34	333540.703	286715.815	299982.388	386307.417	332645.771	316447.501	300053.376	290310.827	391341.782	356076.071	277366.426	345691.665	32857.077
Q9D1Q6	Erp44	Endoplasmic reticulum resident protein 44	40.22	56.07	46853	1	0.04731231	8127.90658	7227.56199	5057.04468	6831.58177	7413.35269	90855.54667	6834.0839	7840.6819	95290.6139	6595.03854	9908.00128	7767.8233	12853.635	9094.61297	10517.9339	9468.85949	7188.70812	8301.26274
Q9R0P3	Esd	S-formylglutathione hydrolase	950.34	68.44	31320	14	485942.65	417525.588	419964.707	271543.504	355420.557	806776.236	76163.191	784749.99	776601.392	6159696.031	651153.36	596963.188	682824.69	653787.663	51336.968	576890.371	512159.976	511964.03	544837.023
Q3V1V3	EsF1	ESF1 homolog	48.98	1.42	98048	1	0.04731231	17344.1719	17015.7957	12344.8132	11311.1017	23388.8003	26149.6425	25621.9872	26555.7785	24499.2557	20954.2174	14878.8491	22875.1436	22587.6479	25793.9448	25474.8701	140530.7906	25948.1146	21911.4859
Q1U7R1	Esyt1	Extended synaptotagmin-1	712.54	16.94	121554	12	96180.6130	13343.9707	82104.9048	145821.285	128101.629	115632.0207	98936.3153	112753.329	139408.919	7059.2523	110167.354	68800.1253	99471.3171	98768.6154	96131.2174	70930.3501	72913.0064	97104.8859	
Q3TZT7	Esyt2	Extended synaptotagmin-2	47.57	1.78	94139	1	0.04731231	15313.10871	4402.15248	6607.9505	45403.4503	5743.59138	4025.03055	4850.93039	6211.2025	28274.9397	987.98568	5280.66366	2839.82874	5436.1255	4841.79854	5081.46781	0.03396139	3262.59433	5127.48881
Q9U5Q7	Esyt1	Eukaryotic pyroglutamate release factor subunit 1	304.23	22.43	90321	6	146979.314	11615.76	128881.792	6107.9683	138089.2129	178076.791	155828.618	153893.682	144683.687	262.94379	184905.462	197898.309	218142.646	184304.504	200459.512	195787.217	141951.334	189069.166	167941.183
Q9YLCS	EtfA	Electron transfer flavoprotein subunit alpha, mitochondrial	1106.02	67.87	35009	18	38593.945	41702.874	449498.101	303752.004	179076.055	402754.588	424159.496	423944.728	427342.533	396893.844	454393.601	440355.99	382855.714	386664.144	472847.588	422663.603	409500.813	334331.976	522688.177
Q9DCW4	EtfB	Electron transfer flavoprotein subunit beta	778.22	49.41	27623	13	848943.907	411972.814	594186.541	368747.386	273671.174	625838.958	634674.666	96010.922	596999.322	589608.764	584492.949	544532.386	576559.083	492490.855	632127.882	660303.533	518930.824	568837.426	59008.706
Q921G7	EtfH	Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial	250.76	10.55	68091	5	0.04731231	61971.1212	65355.9843	8101.9562	81369.6611	65423.4571	63319.6214	62898.1723	66824.4583	40510.154	34047.8889	43094.2328	48229.444	40150.3190	49268.3352	55921.9251	53178.8427	51212.7059	54958.9856
Q9DCM0	EthE1	Persulfide dioxygenase ETHE1, mitochondrial	311.54	29.92	27739	5	50302.1752	105449.668	92380.7836	33327.260	25628.5439	85141.4125	19945.014	117589.543	103210.217	84008.956	97969.8052	65462.6868	85467.7145	64637.9156	103365.623	95250.3647	88128.5538	76712.8282	82715.6847
P97360	Etv6	Transcription factor ETV6	50.2	1.44	56046	1	0.04731231	5445.41131	5237.9455	3322.8007	3422.5819	9373.64665	8625.20256	9030.31794	9872.44038	7625.02504	7033.58572	10132.9853	9963.62282	7262.76189	11835.8433	5531.42558	8571.89374	9179.39204	
Q61545	Ewsr1	RNA-binding protein EWS	219.7	10.38	68462	4	39825.493	73186.2473	94672.456	63381.7389	63736.0623	87055.4095	74109.2321	68994.9912	70926.1588	91725.3083	82088.9239	81653.6255	80993.0402	83800.225	80048.0587	80351.026	84905.8983	77894.8025	82736.5722
Q9D4H1	Exoc2	Exocyst complex component 2	116.22	2.92	103599	3	8990.14792	7942.31994	12706.0701	11467.1288	10552.69149	13165.0352	13309.7654	25300.4657	29783.3395	16193.2958	13163.2153	9918.58405	9864.19534	3921.47412	12759.777	22383.711	14660.8902	9181.4477	18464.3753
Q62825	Exoc3	Exocyst complex component 3	39.4	1.46	86497	1	0.04731231	2251.7577	1061.29877	3076.1136	6089.20926	8004.32052	6109.79367	5085.13928	5860.681	5661.34032	5327.94446	4380.6398	5024.13677	4052.8684	3599.24818	5010.28011	2430.9266	3809.09523	3205.83858
O53582	Exoc4	Exocyst complex component 4	109.49	3.38	110545	4	0.04731231	1880.3468	1718.94252	3171.5408	2451.53246	3240.61066	4002.79365	4070.86187	6178.53477	3398.89732	3389.66713	3353.74084	2732.32993	4980.93039	3005.20724	3433.25259	2935.81341	2257.98328	3501.08916
Q8U4A6	Exoc5	Exosome complex component CSL4	37.13	5.64	21424	1	0.04731231	3273.37289	2860.76444	0.02587774	1424.39242	3914.10174	5460.51128	4767.29651	3480.68182	3923.42821	5461.0398	4835.56053	716.13641	5084.82611	6988.56859	2705.399	0.03396139	3696.07128	4639.52758
Q8VBV3	Exoc6	Exosome complex component RR4	416.99	31.74	32632	6	1758.34349	8679.5962	67806.9797	92947.9137	91444.4671	61093.11	59884.9855	48214.6508	7128.28	80426.376	70344.2471	78337.3201	7162.814	76255.0217	74025.4442	76657.97275	76937.565	78613.8464	
Q92119	Exoc7	Exosome complex component RR41	152.92	10.61	26250	2	10055.3336	18778.9968	21061.5799	34985.9173	24222.0110														

P84817	Fkx1	Mitochondrial fission 1 protein	96.02	15.79	16995	2	17295.1851	6076.28833	9919.88922	2744.61608	3389.61262	7827.60059	9984.81965	8659.25192	10649.9249	8769.48792	11318.4519	10523.4913	8816.65283	14744.4236	10851.1677	10262.5595	8629.58343	10743.0222	11435.3759	
Q6P906	Fkbp15	K506-binding protein 15	50.05	11.15	132961	1	0.03665204	3336.9158	3123.38551	0.02587718	3024.10671	0.03665204	3336.9158	3123.38551	0.02587718	3024.10671	0.03665204	3336.9158	3123.38551	0.02587718	3024.10671	0.03665204	3336.9158	3123.38551	0.02587718	3024.10671
P26883	Fkbp1a	Peptidyl-prolyl cis-trans isomerase FKBP1A	252.59	25	11923	3	302460.874	269748.552	266988.282	112821.473	1441.14917	2671.99104	258398.984	248180.404	240131.534	276225.466	291106.439	251469.366	286797.932	273098.433	222601.975	283008.707	280450.731	28172.804	214576.847	
P45878	Fkbp2	Peptidyl-prolyl cis-trans isomerase FKBP2	268.95	25.71	11534	3	91057.1984	88127.3088	101105.371	36160.7645	31053.3782	106649.521	109041.732	98399.6113	11978.2733	89225.722	111779.049	82772.913	103564.521	121190.797	95519.8945	110596.848	81585.4679	114184.219	108322.086	
Q62446	Fkbp3	Peptidyl-prolyl cis-trans isomerase FKBP3	120.44	15.62	25148	3	36908.5824	20423.1242	22239.5175	22338.0359	40322.7113	5555.5569	5791.1439	52989.4609	61858.101	803031.0914	7004.840	67084.69	61941.2959	45452.7381	19564.3675	11747.6307	16731.5682	88803.431	53767.5594	
P30416	Fkbp4	Peptidyl-prolyl cis-trans isomerase FKBP4	1182.28	61.57	51572	21	81127.956	577656.627	52015.598	20325.358	278997.599	67956.64	739126.368	774249.487	655247.477	805000.001	676095.766	684925.016	793046.577	590852.901	660342.511	808749.328	747799.229	744105.619	668376.257	
Q64378	Fkbp5	Peptidyl-prolyl cis-trans isomerase FKBP5	520.51	25.44	50966	10	209323.081	170892.78	197724.566	11591.672	118154.302	100486.765	249056.428	153119.833	224624.116	27618.759	246441.66	251010.61	363885.017	232982.932	2317051.366	264922.199	247601.336	244618.928	23304.144	
Q53465	Fkbp8	Peptidyl-prolyl cis-trans isomerase FKBP8	333.75	15.17	43529	5	61500.4146	80005.2799	554131.048	84244.5052	74674.746	54597.046	57041.4421	77071.2564	60241.004	43542.405	58441.1736	61162.73	54430.4109	63528.643	61774.6588	69698.8631	55695.8146	57142.1175	59353.3851	
Q9J28	Flii	Protein flightless-1 homolog	579.02	10.46	144803	11	91204.7004	82805.5712	84496.5622	11631.425	117895.41	153442.843	160665.687	147198.314	138229.926	10931.197	511847.1262	163414.654	132389.137	152588.664	63819.8399	127518.49	116192.725	138495.064	136071.137	
QB81TMs	Flia	Filamin-1	4874.93	41.48	281222	76	591047.911	835972.708	868562.593	649157.316	679201.736	237777.711	2529272.68	245474.974	2122992.58	1431826.79	1320513.29	1426824.04	150419.16	1468779.73	1148350.55	130471.12	1246747.45	1253881.62	126739.42	
QO0817	Fln	Filinin-1	182.81	13.08	47513	4	91021.7998	2229.6496	179330.062	37845.6763	32466.6295	41097.1468	32340.7582	38370.0292	43999.5635	20671.2601	200663.0392	15881.2589	17044.8077	19291.0302	32503.2993	22437.0082	22016.149	20796.9027	17174.7921	
Q60634	Fln2	Filinin-2	107.5	5.14	47038	2	28160.692	15927.1507	13673.8937	11725.0304	8888.1921	14182.640	15128.2347	11397.9215	17254.3066	9808.63644	12671.068	10934.7927	7671.78274	5777.09988	12803.6139	14959.7903	7104.28512	9466.82214	8026.2948	
Q9J216	Fmn1	Formin-like protein 1	559.86	11.97	122060	11	55555.5662	155861.201	183087.631	183100.251	185528.368	239396.778	177205.955	199720.152	227712.822	170520.607	203988.402	193335.102	163846.044	198931.902	208670.816	198574.516	203048.465	181048.559	208418.931	
Q9ZP74	Fmn2	Formin-like protein 3	295.62	6.32	117169	5	0.04731231	56278.3349	665757.1638	92462.9586	90211.9797	88323.4776	55339.1295	42260.1831	94929.2483	53225.569	77249.8751	72710.5796	57008.0745	81674.6829	89277.7727	75724.4664	69262.1962	61901.9075	71002.6029	
P15922	Fmr1	Synaptic functional regulator FMR1	186.6	6.03	61899	3	106687.011	66914.5858	81021.4678	53767.7001	71688.2741	99218.1177	94497.2249	11920.896	94688.579	100631.586	108436.424	96924.2396	106295.261	83341.5252	72943.47	95962.8492	100447.292	100748.374	93245.817	
Q80T10	Fmr2	Formin-binding protein 4	434.16	17.05	31434	8	492.4484	4831.7781	35584.4733	20652.5712	34281.2603	51154.5123	104796.633	79578.7436	55834.5728	100875.645	74555.514	60964.3586	5874.5701	74943.0716	48995.1264	85662.6134	60509.3616	74792.9346	73013.4913	
P97376	Frg1	Formin FRG1	73.39	5.04	29127	1	0.04731231	14908.9084	17191.4574	14205.4975	12922.6706	20426.5991	18244.1902	17701.3687	18455.776	18842.3344	24222.2968	20104.6685	18206.3963	18946.5585	22144.804	23792.3808	15372.8515	21590.994	18765.1486	
P09528	Fhl1	Feritin heavy chain	51.69	3.85	21067	1	1.28033.665	10231.2067	97636.6422	47032.2927	59824.3827	106694.106	12382.765	106499.721	100683.91	142609.118	147899.144	107678.853	136573.434	134154.125	133651.383	137884.932	115078.223	142569.611	125589.915	
P29391	Fhl1	Feritin light chain 1	538.2	49.18	20802	9	150298.781	235584.587	249672.738	158185.273	154331.662	301820.405	347687.89	314729.987	238627.402	356032.52	427842.928	360153.909	343201.157	315492.528	257065.439	375391.166	309395.241	329935.272	326064.885	
QB8G1W	Fto	Formaldehyde-tetrahydrofolate-dependent dioxygenase FTO	40.29	2.79	58067	1	6884.92141	3471.74575	3456.19312	0.02587718	0.02587718	6388.94706	4361.50718	3996.93734	5331.81953	5136.2239	5235.30948	7364.02523	3476.84773	7063.04531	5038.54477	4065.5869	5609.06437	6860.93021	4055.47332	
Q9R1T2	Ftsj3	pre-mRNA processing protein FTSJ3	109.71	4.1	94767	2	0.04731231	10681.5066	2339.24491	35564.6189	29214.3169	9357.37852	7033.17088	10097.573	10943.6583	8661.72728	12416.2967	9947.28967	15422.9763	9168.81228	1154.0081	10904.6111	11108.9941	13772.2166		
Q32P3X	Fuhp1	Fur upstream element-binding protein 1	712.51	27.39	67197	14	315314.377	61955.7514	25476.7575	185537.7	268253.256	308018.151	30678.587	305958.58	255497.609	385693.966	335612.729	309394.987	356651.287	341971.93	272978.982	374432.033	323823.329	326504.633	294364.291	
Q8R2K1	Fuon	Fucose mutarotase	76.27	7.84	16805	1	1.6030.9116	21955.81515	10527.7472	6586.9044	2912.59268	9960.91006	12788.9409	8490.77685	10.9107	9289.20627	13255.4654	13157.7582	13188.989	14549.6466	11055.381	11790.9293	9446.02895	12246.2367	11704.0348	
P65859	Fus	RNA-binding protein FUS	51.49	23.36	52673	8	408454.879	312200.164	345667.438	374047.57	309488.273	305761.871	32107.342	280735.296	309564.821	411531.649	340183.039	38016.794	356343.488	386584.694	322447.961	353128.399	393270.802	322919.156	319309.597	
Q61584	Fxr1	FXR nuclear receptor transcriptional activator	818.29	27.33	76214	14	23231.254	212957.12	24974.688	17448.016	24214.219	5953	283052.871	30105.544	337153.314	26671.965	306153.858	30340.530	309950.801	292946.683	268300.352	275812.694	312770.154	262053.762	302445.64	308360.956
P97808	Fxyd1	FXN domain-containing ion transport regulator 5	97.78	14.04	19454	2	9225.25298	5807.8252	82476.9669	79765.858	84624.7636	77325.9665	10833.3864	6996.91679	13769.7171	10265.6659	42844.904	44712.7966	32515.4123	39890.3079	42022.6234	48725.6126	48744.067	44225.8609	51642.3801	
O35601	Fyb1	FN-binding protein 1	14.22	6.00	90055	4	14700.0013	37707.1003	31121.917	18632.2296	28734.1669	25423.403	31106.222	33881.2247	32766.594	33978.6029	44949.2469	34352.438	44444.5603	3268.8459	29195.7242	32395.1657	30670.0668	31635.8617	31001.0361	
Q7T104	Fynd1	UAP56-interacting factor	39.66	4.1	35642	1	0.04731231	10331.1494	0.0311974	27844.37062	9735.32793	4165.2577	1341.1796	0.03873263	0.0327065	1179.58453	0.03500571	0.03548508	0.03267074	0.03203276	7572.52372	6403.48958	4751.91833	0.03434898	5467.13816	
P97855	G3bp1	Ras GTPase-activating protein-binding protein 1	810.68	40.22	51829	15	363870.545	408388.778	405106.119	179343.706	190991.965	405679.596	41523.706	354992.13	382340.074	59744.655	432960.062	516120.167	304466.948	471990.335	495952.422	554772.178	570058.98	530403.492	517952.583	
P97379	G3bp2	Ras GTPase-activating protein-binding protein 2	349.52	11.83	54088	5	44765.7424	167196.884	16662.058	89604.001	83690.1526	178811.147	16519.496	153256.978	164059.598	267332.497	533680.055	246424.249	187172.557	153181.424	189802.203	195635.379	242460.52	221494.039	180003.267	
Q6NSQ9	G6pc3	Ras GTPase- α -phosphatase 3	118.59	9.54	38782	2	0.04731231	2910.1362	36673.00541	7107.5106	8261.59637	3943.86998	895.083729	3191.43315	5316.67103	2694.68851	1350.73771	5755.19399	8681.33669	3534.57255	2689.99012	4435.58559	2977.1845	1845.78896	4102.96664	
Q00612	G6pdx	Glucose-6-phosphate 1-dehydrogenase X	1594.54	58.83	59263	31	13162.6011	111939.228	99589.848	563940.626	487916.363	1609656.69	1786756.98	138661.56	161203.04	1609008.84	143016.615	1368601.31	1460260.261	172204.407	1179424.242	1355458.96	1344899.636	1344353.54	125437.37	
P70699	Gaa	Lysosomal alpha-L-glucosidase	769.46	20.25	106248	12	56745.0188	83957.5632	9767.5987	75449.6533	55683.3114	107426.763	90797.5997	75449.6533	103775.449	53970.6104	893614.694	97938.8731	80437.2638	99739.1613	85731.4386	105687.841	89590.2434	91136.2896	88864.4041	
P60517	Gabarap	Gamma-aminobutyric acid receptor-associated protein 1	186.33	21.37	13918	3	17671.9362	45966.4884	53467.1876	13389.6642	44196.7197	46190.8866	75337.3571	72824.2939	64118.0265	67079.8209	45951.7869	61250.4552	67851.1051	57101.2481	47641.6416	83179.2633	69600.7233	61691.0565	55886.9479	
P60521	Gabarap2	Gamma-aminobutyric acid receptor-associated protein-like 2	179.61	36.75	13667	4	0.04731231	53673.629	49069.9831	9708.68562	41203.6255	52012.4181	81496.0256	68345.0222	54479.3189	80943.8427	52221.67008	518								

Q9CQM9	Glxr3	Glutaredoxin-3	479.38	30.56	37778	8	40481.2801	52039.0598	60986.34	44895.4682	33385.0145	64263.8803	92590.9803	78046.6749	88064.1785	95314.4922	29783.3518	87181.3184	93500.1862	114857.808	58803.6865	75472.1854	46922.6966	78264.4576	607379.9633	
LQ80Y2	Glxr5	Glutaredoxin-related protein 5, mitochondrial	90.76	17.76	6290	14	40471.3121	12967.6023	11360.5934	4190.8434	5044.79418	10728.8688	1314.7773	11943.6024	12743.8098	18173.927	14921.9714	14637.9901	15008.3072	20897.6624	17801.8826	15980.7227	13012.8237	13504.8857	14739.9647	
D3ZP73	Gls	Glutamine-kinase isoform, mitochondrial	902.96	26.11	73964	14	144422.914	11871.9797	129380.82	11840.7164	60946.586	119240.948	150934.424	156911.9	154566.604	111073.793	105048.825	121715.014	124533.964	117987.409	148898.53	139395.399	101545.425	119423.375	158979.314	
B0BNM9	GLTP	Glycolipid transfer protein	40.52	7.18	23704	6	40471.3121	9758.9783	13993.1168	11350.9375	6666.39545	11892.9467	10733.2447	6339.66845	8504.6091	11288.1110	11108.2110	11108.2110	10802.024	10294.3729	12538.7618	9734.12137	6157.4359	8595.7536	6666.39545	
P10H60	Glu1	Glutamate dehydrogenase 1, mitochondrial	14335.04	47.13	61416	24	10845.9133	8481.78416	828042.603	599417	41067.95	800213.085	840177.09	901679.965	897333.63	632252.74	266839.057	614927.507	728312.125	639816.804	834543.397	806810.87	647718.96	747054.548	803491.557	
Q5RKH0	Gly1	Putative oxidoreductase G-LYR1	32.86	12.62	60421	6	40471.3121	43052.605	39574.3602	5423.5081	57544.5868	19155.0149	22487.3509	33613.0236	40294.8771	44742.4416	26668.8352	39540.1189	35557.2395	27079.3983	36688.5722	37258.5757	13146.8004	35026.0355	43455.5062	
Q5RKH2	Gly2	Putative oxidoreductase G-LYR2	127.7	6.72	61852	2	40471.3121	7082.255917	10233.323	10235.8771	1264.8893	5131.935	9365.31017	1754.1809	11643.8488	9075.07519	10413.6814	4473.13599	9173.9128	13447.1093	7102.4307	10233.323	10235.8771	1264.8893	5131.935	
Q63228	Gmbh	Glia maturation factor beta	271.63	35.21	16736	4	11657.508	114908.227	127942.323	68342.4141	77315.4374	129213.843	98236.8174	107651.896	94182.389	159975.552	149508.770	144433.588	161526.105	123758.476	147627.434	153701.898	161827.678	147083.975	114067.55	
Q9ERL7	Gmgf	Glia maturation factor gamma	142.72	28.17	16736	3	141750.078	145320.699	150655.75	97986.774	14215.946	94961.8128	111561.826	12331.9387	183963.466	140371.959	156822.784	175596.959	143273.333	170043	17984.728	178054.005	171890.175	137070.531	137070.531	
Q6PGG2	Gmp	GEM-interacting protein	94.61	1.03	107545	2	40471.3121	3471.84189	2911.59903	2515.49647	2021.48192	6628.22271	5923.57172	6798.722	10521.7381	5668.46635	6214.47343	7360.51364	5150.79319	7787.65606	3672.50033	1974.23517	4892.26954	4379.16434	8311.13616	
Q5X1C1	Gmpa	Mannose-1-phosphate guanylyltransferase alpha	137.98	10	46191	3	28461.3707	20312.4346	18583.785	7702.7667	16077.0423	28660.7727	24032.2772	26335.5781	21822.832	29550.163	29186.8963	28066.857	26003.1618	29522.3338	25688.9678	20914.9085	21331.8583	21400.3231	21400.3231	
Q9B1Z7	Gmpbb	Mannose-1-phosphate guanylyltransferase beta	110.21	5	39917	1	40471.3121	6744.83129	9157.57778	14650.5797	0202510227	10735.508	10589.7211	7610.13556	11399.0474	10159.805	14875.1552	13399.8694	8601.50746	9078.31281	10600.2382	8761.82269	8348.97525	7629.52837	8706.7241	
Q9DZC1	Gmpr	GMP reductase-1	63.55	6.38	37482	1	15880.7643	5598.87364	5832.27643	6642.19312	6327.7195	8377.298	6124.29377	7410.9844	11944.1159	8037.92186	9398.14283	10520.3045	7436.18558	12584.9335	8373.0214	7707.59511	9516.50936	7085.65207	9070.74429	
Q31HK7	Gmps	GMP synthase [glutamine-hydrolyzing]	10871.14	43.43	76723	20	101446.758	21569.2402	176937.906	10118.427	114998.311	247913.668	263552.555	239345.306	266698.533	329516.379	274895.786	309290.784	320533.451	302030.322	260285.369	297437.906	281464.563	277230.45	280618.139	
P27601	Gna13	Guanine nucleotide-binding protein subunit alpha-13	45.3	2.65	40555	1	40471.3121	52929.2401	1071.07894	020512027	6194.4067	9161.5567	6232.32453	6993.6929	4481.4522	5851.30725	3185.37684	4326.22454	2698.77315	4883.85467	5817.37284	3291.26366	4204.15816	5601.84254	5601.84254	
P08752	Gna2	Guanine nucleotide-binding protein G(i) subunit alpha-2	1241.68	57.18	40489	17	595671.885	311368.212	352271.354	43501.525	389586.454	450653.247	467600.691	451008.654	485011.871	310938.26	378759.573	343511.198	304185.842	300889.405	410428.236	430142.388	319711.284	324504.286	438177.956	
Q9DC51	Gna3	Guanine nucleotide-binding protein G(i) subunit alpha	323.62	18.36	40538	5	130658.54	73252.2254	27988.3339	125010.273	102338.824	90697.8723	106262.793	106883.158	105830.111	70291.497	84101.2269	67934.5227	69248.2696	62233.5584	111903.393	104639.963	76691.2668	72158.2476	97464.9388	
P21279	Gnaq	Guanine nucleotide-binding protein G(q) subunit alpha	174.62	8.91	42158	3	9633.8445	21939.3229	28933.2774	59085.2274	34078.1454	39168.7672	19683.6069	28697.019	37932.2458	17635.639	23108.6276	25620.1601	19643.2814	21730.5734	26090.2583	22215.7856	26194.465	21056.492	25917.9552	
P20394	Gnas	Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	140.01	8.38	45604	2	40471.3121	030311494	030307204	7396.62943	4971.61404	4059.03991	3836.36933	603837823	6948.61876	4134.62642	4116.63281	3750.57576	6411.68213	2141.04636	3085.39548	5171.0357	5171.0357	5171.0357	5171.0357	
P54311	Gnb1	Guanine nucleotide-binding protein G(i)(S)(G)(T) subunit beta-1	561.43	31.76	37377	9	346571.601	237630.259	222452.891	339617.054	226432.617	256893.912	282260.164	311591.703	262931.138	172191.107	217074.305	193038.495	205290.753	195865.814	219857.152	301947.226	209279.548	207432.339	218084.451	
P54313	Gnb2	Guanine nucleotide-binding protein G(i)(S)(G)(T) subunit beta-2	1122.22	60.29	37331	16	570351.375	422817.587	445320.505	601929.778	511299.278	529175.426	491088.456	547382.481	518643.64	324899.388	415052.403	367070.078	355651.454	365831.064	436569.872	500067.648	398490.327	390518.737	443263.773	
Q9DAS9	Gng12	Guanine nucleotide-binding protein G(i)(S)(G)(O) subunit gamma-12	57.15	15.28	7997	1	8671.67099	5270.94687	7242.28315	10660.9817	9134.98689	8015.31504	6301.44557	8360.38929	6239.12724	6221.05687	4933.56703	7406.42635	6726.40345	6135.15168	2790.30931	5845.48124	8727.00795	7148.17409	6401.94166	
P63213	Gng2	Guanine nucleotide-binding protein G(i)(S)(G)(O) subunit gamma-2	57.2	16.9	7850	1	40471.3121	8725.31196	17629.0111	54817.4008	24868.64819	19439.62891	12441.7737	17891.576	13981.221	9618.75747	12717.769	12379.0425	8013.75633	11553.7007	8391.11246	11519.0639	14172.9957	11159.3243	11783.108	
P36916	Gnl1	Guanine nucleotide-binding protein-like 1	138.93	5.27	68771	3	40471.3121	9167.57309	8454.27197	4966.45267	5772.49719	9968.86078	5379.41392	3871.4457	2942.0362	1611.3986	13933.9743	12261.4833	4299.80559	17756.2517	5976.2767	13986.7206	7897.20287	4308.53545	11739.037	
Q991H1	Gnl2	Nucleolar GTP-binding protein 2	193.41	6.73	83345	4	4943.39457	30949.8718	28112.9658	45995.808	41930.0569	29829.4052	29449.984	35769.4703	29822.8254	38643.297	33543.763	34238.7151	30003.6983	39080.0635	31321.837	38529.6213	41140.0316	42191.6541	80017.8292	
Q8C111	Gnl3	Guanine nucleotide-binding protein-like 3	420.96	25.65	60786	7	40471.3121	43113.7108	49614.691	59353.3804	99922.9749	40147.4109	36836.7164	45576.8573	59044.7174	48619.1372	43804.395	52348.7603	37640.0783	76831.2991	50138.2095	61644.6729	48122.4335	37362.8955	60773.291	
Q89858	Gnpd1	Glucosamine-6-phosphate isomerase 1	43.28	9.69	32549	1	40471.3121	030311494	030307204	020587718	020510227	1367.69996	3113.5922	4327.808	5858.5804	6409.7217	5132	7467.076	030545808	507.23627	030502376	1844.40474	2202.63071	2773.35453	910.44044	7288.0506
Q9JK38	Gnpat1	Glucosamine-6-phosphate N-acetyltransferase	68.79	5.98	20791	1	40471.3121	2434.90806	030702024	025877818	1050.06348	982.186932	3476.97197	1995.8194	2240.9888	3823.24202	4912.38577	1518.6211	3012.04791	2935.12139	2116.97109	4589.36106	030396139	1952.48359	030500218	
Q8R8F4	Gns	N-acetylglucosamine-6-sulfatase	365.02	17.83	61175	7	68237.8718	46935.6995	36402.1951	14543.784	16774.8257	54326.5444	49974.2176	43491.7871	44134.1689	34648.2884	32663.5862	30945.4042	37074.3232	28334.7311	33501.3481	29722.3193	35034.2303	31780.9975	32304.8251	
Q3ZU82	Golga5	Golgin subfamily A member 5	80.75	3.16	82334	2	40471.3121	5024.68235	6087.47443	020587718	020510227	7206.11612	030877705	030837823	9477.69622	030794034	6228.06159	4911.22754	030502746	030502376	5385.26189	7466.50312	2564.2923	030344898	6307.8004	
Q8BXA1	Golm4	Golgi integral membrane protein 4	34.73	1.53	76785	1	12237.3783	030311494	030307204	020587718	020510227	6195.68121	7046.83378	8257.95731	6462.37656	5399.53168	5035.37695	030545808	5055.04546	6372.34784	5043.4537	030380805	030396139	030344898	6458.54123	
Q9CRA5	Golph3	Golgi phosphoprotein 3	13.14	1.04	33752	2	40471.3121	2235.60953	2474.7439	3208.10759	1686.92526	2713.36451	3601.09883	2778.53347	3173.01943	2933.9234	4039.5454	3362.35662	3046.30994	5227.63088	2978.96439	3894.18688	2451.09848	2183.99986	2862.03456	
Q9C860	Golphb	Vesicle transport protein GOT1B	151.02	10.87	15422	2	35																			

A9UMV8	H2afj	Histone H2A J	646.79	58.91	14045	8	5777519.91	25340486.6	23829087.4	40958735	40960195.9	5397077.47	4169990.61	8841259.27	10242364.1	4811521.25	1442627.2	14080381.5	11779961.7	15707691	16654442.1	2277692.57	17796334.6	16499831.2	16494253.2
P27661	H2afx	Histone H2A X	530.51	52.45	15246	7	9732735.31	22154290.4	21476228.4	35995822	36488113.6	3420342.58	3179985.77	7541537.73	8917465.79	45110828.08	1277618.14	12598747.8	10459333.6	13954637.8	14371773.1	5629696.56	16173062.9	14410392.9	14483522.3
Q9Z0Q8	H2afy	Core histone macro-H2A J	453.21	32.53	39735	7	12879.75	219331.938	973335.747	15936.419	156117.042	87446.9149	72991.8399	8205909.94	87252.256	7362.0044	82657.1015	37645.2303	50115.3187	45201.1143	97545.9699	123251.153	82075.4203	96744.2618	102816.659
PC0C86	H2afz	Histone H2A Z	53242.618	21997.793	712189908.6	32391610.7	34781210.6	3087844.6	2863204.55	6856707.94	8035903.95	4764484.05	10326933.5	11898428.6	6601759.9	13345418.2	14134494.8	443842.925	14562004.2	1428785.61	1428785.61	1428785.61	1428785.61	1428785.61	1428785.61
P02301	H3f3c	Histone H3.3 C	574.81	54.41	15315	9	14038063.5	8296765.08	10198275.5	27443259.2	18108141.5	7440085.32	3668870.74	5902070.19	6150249.29	4680571.68	5647486.32	5496964.96	4601920.99	5729227.4	5220555.44	6692958.12	7064231.9	5900215.46	6330130.26
Q8K2C9	H3ac3	Very-long-chain (3R)-3-hydroxy-lysine-CoA dehydrogenase 3	39.76	2.21	43131	1	0.04731231	15978.1958	212328.57	36376.851	21250.578	0.03665024	0.03877705	0.03838723	0.03877705	0.03799434	0.564726	0.03548508	0.0362760	0.5661381	13261.8171	0.03308805	1088.79123	0.03348998	1923.41099
Q8C1H7	H3ac1	2-Hydroxyacyl-CoA lyase 1	35.49	1.38	63616	1	0.04731231	0.0311494	0.03070204	0.02587718	0.02510227	4508.56088	3239.80938	3494.36862	341.38034	3891.87791	6745.3803	2420.98701	2296.27182	0.03502376	3446.09141	0.03308805	0.03396139	2687.11582	0.03500218
Q61425	H3ad	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial	204.51	12.1	34464	4	1.57064.395	148669.709	115356.529	81991.7808	500064.66	125639.846	125639.846	125639.846	125639.846	125639.846	125639.846	125639.846	125639.846	125639.846	125639.846	125639.846	125639.846	125639.846	125639.846
Q8BMS1	H3adh	Trifunctional enzyme subunit alpha, mitochondrial	1267.31	39.19	82670	19	176139.668	202245.551	223100.627	324835.822	233901.421	252088.79	218404.828	241161.754	301944.632	162847.692	210651.879	237389.3	179074.848	211968.462	276251.499	229960.611	177662.99	180168.538	217408.768
Q9PKB8	H3ahg	Trifunctional enzyme subunit beta, mitochondrial	437.77	25.26	51386	9	52471.6932	121819.612	125700.383	160770.366	92129.9249	133029.225	149233.993	1401.374	130070.437	105245.696	104703.442	95123.8836	1101.28011	103784.931	139816.86	139861.807	121890.105	103390.498	12970.786
Q61035	H3ars	Histidine-tyrosine ligase, cytoplasmic	569.23	20.46	34084	12	81555.67389	14502.763	18599.1207	5762.88881	4459.23246	28845.5822	30928.3495	2511.3619	262902.596	1919.3282	21898.5614	17122.8159	19387.9781	24723.3146	17722.498	22932.2265	20403.3269	7631.37566	13982.9143
Q8B71	H3at1	Histone acetyltransferase type B catalytic subunit	346.34	15.62	49278	5	7925.60073	39271.489	28585.4338	6169.71714	8197.4744	47782.0308	55787.6249	51165.2077	52084.1078	12948.4783	53518.8133	349615.9286	61251.6322	82703.0344	44675.3112	46630.1347	54889.1201	50521.6867	54889.5627
Q8BF72	H3aus4	HAUS augmin-like complex subunit 4	40.47	7.16	42197	1	0.04731231	1426.20715	0.03070204	0.02587718	0.02510227	32320.70165	1617.7356	1617.7356	2126.1054	1920.97496	2865.22762	2726.53836	2082.8777	0.03396139	2238.80521	2711.8815			
Q69Z57	H3bs1	HBS1-like protein	101.36	2.79	75100	2	0.04731231	9292.67943	9154.95383	0.02587718	0.02510227	6217.1514	12282.6441	9343.78339	3538.90445	10887.7964	12300.366	12727.3878	6781.63834	13915.2122	12399.9877	11235.6327	12472.0971	10562.4692	15465.59393
P53025	Hccc	Cytochrome c-type heme lyase	49.37	4.78	30978	1	0.04731231	2918.71151	10080.11395	15219.155	11078.0068	0.03665024	9525.17783	10561.7089	11088.9307	5436.17583	7651.62657	8529.30108	7438.39152	5954.82202	6203.38415	8064.95011	9685.88699	9229.78715	12355.1891
Q61191	Hctf1	Host cell factor 1	581.15	8.9	210437	12	72765.0155	135164.578	167037.466	239022.687	189276.576	133459.416	138389.465	119368.912	128007.904	179082.729	182800.498	160939.67	160895.154	183975.631	181620.345	161458.938	127240.168	161254.219	141075.46
Q91035	Hars	Histidine-tyrosine ligase, cytoplasmic	569.23	20.46	34084	12	81555.67389	14502.763	18599.1207	5762.88881	4459.23246	28845.5822	30928.3495	2511.3619	262902.596	1919.3282	21898.5614	17122.8159	19387.9781	24723.3146	17722.498	22932.2265	20403.3269	7631.37566	13982.9143
Q8B71	Hat1	Histone acetyltransferase type B catalytic subunit	346.34	15.62	49278	5	7925.60073	39271.489	28585.4338	6169.71714	8197.4744	47782.0308	55787.6249	51165.2077	52084.1078	12948.4783	53518.8133	349615.9286	61251.6322	82703.0344	44675.3112	46630.1347	54889.1201	50521.6867	54889.5627
Q8BF72	H3aus4	HAUS augmin-like complex subunit 4	40.47	7.16	42197	1	0.04731231	1426.20715	0.03070204	0.02587718	0.02510227	32320.70165	1617.7356	1617.7356	2126.1054	1920.97496	2865.22762	2726.53836	2082.8777	0.03396139	2238.80521	2711.8815			
Q69Z57	H3bs1	HBS1-like protein	101.36	2.79	75100	2	0.04731231	9292.67943	9154.95383	0.02587718	0.02510227	6217.1514	12282.6441	9343.78339	3538.90445	10887.7964	12300.366	12727.3878	6781.63834	13915.2122	12399.9877	11235.6327	12472.0971	10562.4692	15465.59393
P53025	Hccc	Cytochrome c-type heme lyase	49.37	4.78	30978	1	0.04731231	2918.71151	10080.11395	15219.155	11078.0068	0.03665024	9525.17783	10561.7089	11088.9307	5436.17583	7651.62657	8529.30108	7438.39152	5954.82202	6203.38415	8064.95011	9685.88699	9229.78715	12355.1891
Q61191	Hctf1	Host cell factor 1	581.15	8.9	210437	12	72765.0155	135164.578	167037.466	239022.687	189276.576	133459.416	138389.465	119368.912	128007.904	179082.729	182800.498	160939.67	160895.154	183975.631	181620.345	161458.938	127240.168	161254.219	141075.46
P49710	Hct1	Hematopoietic lineage cell-specific protein	647.11	24.69	54240	11	116482.446	246087.724	287146.11	117888.588	172335.506	246073.736	267172.294	244250.656	240049.949	307548.16	277582.82	204399.109	273649.283	257660.64	243001.234	272524.619	287360.243	277164.483	238655.49
O01916	Hdc1	Histone deacetylase 1	526.76	28.63	45075	9	111433.69	150661.4796	96859.2458	78826.7	60093.5052	95974.0678	110189.856	97179.5769	11569.3111	125899.445	19155.6907	92493.9757	103802.467	96723.7465	109937.699	118977.989	110453.466	112276.949	10412.366
P70288	Hdc2	Histone deacetylase 2	406.17	19.06	55302	7	34819.3798	79453.4691	90073.6177	140203.492	89338.2961	90915.4923	89219.8329	81493.6753	92856.1118	103318.8151	82232.8324	82855.6012	94029.8289	95248.1953	110177.79	100463.066	90928.667	103762.366	90197.5147
O88895	Hdc3	Histone deacetylase 3	40.77	4.01	48865	4	0.04731231	2504.32036	0.03070204	0.02587718	0.02510227	3443.0479	3502.89214	2089.68335	2899.82632	6732.45854	3218.45874	3350.53425	3591.24663	2663.48338	3344.99575	3059.14969	2388.3604	3289.7513	2734.95479
P51859	Hdgf	Hepatoma-derived growth factor	430.74	49.37	26269	8	86787.8534	18345.715	179573.982	11621.6611	119559.2131	220150.126	2440543.471	219166.21	200830.017	237054.04	209601.34	215860.485	196186.948	196008.186	181738.127	211512	210165.227	193551.125	207603.275
Q3UM90	Hdgf2	Hepatoma-derived growth factor-related protein 2	64.16	1.35	74291	1	18841.7819	12394.0741	18075.0236	1470.5454	13420.6666	5206.38761	0.03877705	0.03838723	1222.92	16538.0612	2632.1638	16538.0612	3571.7101	15791.7506	16773.205	15390.8814	18650.4992	21042.5928	14324.179
Q91WM2	Hdh5	Haloacid dehalogenase-like hydrolase domain-containing 5	139.97	7.16	46306	2	0.04731231	2529.22881	12820.0401	9472.15888	0.02510227	2009.40015	8173.42776	10063.792	0.03727065	1754.87826	2001.14461	3645.35552	2251.32279	0.03502376	2212.79942	0.03308805	0.03396139	0.03348998	3290.16144
Q8VD73	Hdhlp	Virgin	1815.6	30.21	141743	31	281375.468	287427.927	340403.85	261630.027	304708.323	436165.059	46706.8007	45238.8007	43800.69	47821.972	42272.188	445013.884	46788.962	466472.061	438960.127	438610.96	436065.778	465000.075	46208.439
Q8BQM4	Hctar3	HEAT repeat-containing protein 3	196.51	3.22	74305	4	0.04731231	3509.3296	14319.393	18350.8870	10188.0309	44075.6841	33215.6366	33342.8772	38437.2399	35760.366	42519.6068	42068.7054	36630.3494	31833.6291	24979.7716	39116.7748	41244.6369	34967.1613	49131.6236
Q69Z82	Hctd1	E3 ubiquitin-protein ligase HECTD1	56.9	0.65	290806	1	0.04731231	1891.02396	266.55478	4051.6992	2066.88016	2686.83968	2325.0306	2600.21758	3603.70296	2379.5549	3238.19709	3531.6089	2306.96515	5322.22489	2582.98193	4632.55106	3415.65233	2649.4613	3344.6528
Q6N6V4	Hctb	DNA helicase B	41.27	0.74	121471	1	0.04731231	4869.70929	0.03070204	0.02587718	0.02510227	6035.76651	6119.9108	5259.76189	4660.4388	8452.38161	6475.71384	5475.31734	5202.44259	5327.73343	4515.56483	6628.17629	0.03396139	5383.60619	4736.28726
Q60848	Hctc	Lymphocyte-specific helicase	667.77	9.87	95126	6	7905.54131	3249.3791	32790.1123	49362.9437	35773.8871	38162.4983	34676.8157	45066.1366	34097.773	39958.9895	34048.9062	46379.9024	40601.5048	45406.9445	35059.0113	48548.6143	44240.8634	43805.0086	44890.7087
EQ9A05	Hctd2	Helicase with zinc finger domain 2	52.48	1.22	331563	1	0.04731231	1790.1196	2264.10767	5025.04876	3852.13634	1231.9313	2332.33755	2139.7185	3600.4339	2525.89922	3231.32624	3029.66932	241.58776	5127.4791	2991.5941	5095.2981	6036.91929	6036.91929	6036.91929
P29416	Hctb																								

Q8VDM6	Hnmpu1	Heterogeneous nuclear ribonucleoprotein U-like protein 1	548.72	17.11	96002	11	61608.2808	97805.4169	73862.0524	109115.498	131106.697	116560.927	116522.542	141671.693	133681.034	145814.077	104102.446	128386.185	124354.285	108141.082	93052.3971	120020.906	100986.717	117662.26	106989.584	
Q00P19	Hnmpu2	Heterogeneous nuclear ribonucleoprotein U-like protein 2	689.28	17.58	84940	12	159410.648	137632.507	106689.575	210037.959	92691.2	97828.927	100008.055	105510.158	115743.051	156978.243	148055.864	140970.878	152121.018	131566.881	101048.144	148455.298	124059.337	145932.332	121278.337	
Q8UBJ6	Hnmp3	Hetero nuclear homolog 3	81.27	3.62	83218	2	0.04731231	0.03111494	4713.61926	0.02587718	0.02510227	4378.76059	7938.94459	8819.76043	7898.40057	635.92746	6512.58081	0.03458008	5018.7243	6113.08075	0.03488812	0.03808805	3323.81004	0.03434898	5678.04947	
Q3TE48	Hlbp3	Heterochromatin protein 1-binding protein 3	565.51	29.6	60687	13	51821.7758	116425.095	126199.506	210387.977	195386.255	98639.074	93706.77	116972.728	112404.365	104275.105	119254.377	111552.019	110348.903	115984.173	117625.934	126877.821	125927.655	118402.008	121599.578	
P62748	Hlbp1	Hippocalcin-like protein 1	58.64	16.58	22338	4	0.04731231	0.04744785	2118.65018	0.02577718	0.02577718	3199.53258	8240.53074	81056.93948	414.80678	801.10785	66808.07806	974.259639	5755.90425	10486.833	15457.0062	9201.33493	3380.4213	701.9913	780.980	85528
Q8CFE2	Hlpl1	Histone PARylation factor 1	112.24	7.8	39291	2	0.04731231	13594.5178	85533.2683	2210.9274	12046.7928	21069.6733	26743.7748	23750.5458	21875.0917	23798.7585	245823.2109	20879.6447	21474.5961	10717.6948	21733.604	23564.5191	15142.798	18696.542	22388.8729	
P00493	Hpr1	Hypoxanthine-guanine phosphoribosyltransferase	416.45	40.83	24573	6	269284.762	182375.657	195933.714	68028.4462	95841.465	181491.2	261918.478	235050.863	187506.752	289937.354	215013.117	204624.493	265835.984	200160.775	228754.757	225251.602	192640.013	211444.781	191009.546	
P20171	Hras	GTPase H-Ras	171.62	20.11	21298	3	87538.6762	88619.6086	10300.3129	171818.76	108181.588	119316.5066	4478314729	50882.3863	71171.6564	62801.2023	60606.0514	63022.5548	45295.2275	73347.0273	66853.3417	75458.2646	68883.6686	64457.8206		
Q3TC93	Hlsbp3	HCLSI-binding protein 3	64.99	7.09	43691	2	0.04731231	5099.3619	1538.7489	1914.23067	5720.08886	3979.5604	12373.3398	19088.3407	14273.3398	10988.460	6584.75163	10309.9119	11976.1783	9237.70837	6016.10072	7902.39338	7565.40215	6978.91467	917.619	
Q8RH47	Hls21	Hexan sulfate 2-O-sulfotransferase 1	46.6	2.53	41813	1	0.04731231	16727.0537	15695.3864	17031.2873	16126.7651	11185.1778	15315.9604	11660.986	19584.2206	12437.1324	12754.188	15414.7149	12250.6194	14221.1708	16893.2443	16808.6341	14777.5116	13281.4428	2022.1035	
O87506	Hsd17b10	3-hydroxyacyl-CoA dehydrogenase type-2	612.07	50.19	27419	8	138642.721	165377.267	186319.066	19135.215	133802.68	164400.589	165321.866	200114.034	12723.9789	179429.205	151677.852	140352.416	153202.964	195237.179	197909.597	190240.454	16031.166	193738.143		
O00826	Hsd17b11	Estradiol 17-beta-dehydrogenase 11	108.06	11.74	32881	2	8383.90341	8486.99083	9281.58806	81031.9181	7106.40723	10568.9466	10464.003	10703.4505	13450.3074	7349.72272	9549.9484	9957.96805	6598.50838	10230.9538	15374.5633	9696.19386	7606.19572	7816.26988	10192.6779	
O75053	Hsd17b12	Very-long-chain 3-oxoacyl-CoA reductase	551.98	32.69	34742	11	312645.581	145241.083	166653.86	141939.358	184085.452	200888.062	214668.143	210353.311	217348.767	184804.395	196449.608	180877.651	176619.711	199813.798	20293.448	187290.993	157538.898	137878.99	162718.056	
P51660	P51660	Peroxylon multifunctional enzyme type 2	710.06	23.13	79482	13	284472.153	233644.404	224860.545	97624.3798	111962.011	254109.813	266455.732	218448.23	269224.237	215452.876	214037.209	206244.733	202651.931	261610.699	233975.262	225805.431	193443.011	169922.613		
O88736	Hsd17b7	3-keto-steroid 17-beta-dehydrogenase	98.95	5.09	37317	1	6340.9651	4268.65237	4492.19326	5983.32728	3412.94229	5992.18132	6016.03444	10902.3445	6632.90595	4678.429	6515.26556	7284.74096	6052.08183	6132.10128	6987.91444	9147.49215	6014.68221	5746.99493	5542.24818	
P50171	Hsd17B8	Estradiol 17-reductase	156.19	15.06	26578	1	85497.9977	33907.5534	52901.2812	47245.278	35753.1304	66618.8297	59055.4661	64737.6635	65379.6335	45249.2260	54144.4431	88347.7517	41065.1278	46185.8862	47615.7285	47061.1793	42879.7928	36594.4659	46300.7454	
Q2TPA8	Hsd12	Hydroxysteroid dehydrogenase-like protein 2	36.84	2.86	54208	1	0.04731231	0.03111494	2085.22779	0.02587718	0.02510227	3181.13954	2172.45453	2762.99775	2662.24223	891.220709	2074.04819	2055.60037	2027.64866	2470.54667	3044.77037	1897.5626	0.03396139	2101.9254	2442.80152	
O70701	Hsp90aa1	Heat shock protein HSP 90-alpha	310.37	53.07	84788	50	3904139.6	2884474.1	2333150.9	201408.96	958120.941	3241972.62	3845474.76	3948781.71	3111391.97	4155438.97	3345893.61	3187405.65	43311.1573	334073.73	3022763.08	4030094.59	3556079.86	3680802.44	303800.84	
P11499	Hsp90ab1	Heat shock protein HSP 90-beta	4353.79	70.03	83281	63	83168.086	57134.4038	603416.636	2973832.08	254588.864	7873309.309	892015.39	7291455.39	7921455.39	76.9830458	97.7866809	8464294.4	960389.529	8262540.9	7612847.41	9748025.83	8506075.3	8837664.08	7592044.28	
O8113	Hsp90b1	Endoplasmic	2302.32	40.71	92476	35	3480465.67	3559979.54	3101952.92	101999.41	1121471.75	2625639.76	2663545.54	260994.94	2622045	2858490.39	2592727.08	2505799.47	2522340	2398366.48	2661134.85	3096567.57	3349964.12	2927953.58	2737718.4	
O99M31	Hsp44	Heat shock 70 kDa protein 14	198.91	18.01	54650	4	0.04731231	21142.3401	141151.4111	22953.3273	18247.5445	26885.8482	28649.2864	331107.4471	34236.9658	3373.3549	331107.4471	34236.9658	3373.3549	331107.4471	34236.9658	3373.3549	331107.4471	34236.9658	3373.3549	331107.4471
Q61316	Hsp4	Heat shock 70 kDa protein 4	2312.93	56.84	94133	39	53084.195	71228.6675	44074.7898	350403.843	725300.882	892973.363	798163.279	811479.479	936623.234	8694727.31	840707.318	87006.721	86708.733	862051.57	743989.648	768883.601	768115.412			
O60761	Hsp45	Heat shock reticulum chaperone BiP	3023.68	61.16	72347	44	9581.394	1072.66371	7051.97376	349102.716	3314933.95	7545484.41	822843.11	1795580.81	731223.82	6952518.8	8674627.47	6599021.35	6597644.73	6196540.59	750191952	7538821.08	6801268.44	6627458.73	7215012.54	
P63017	Hsp47	Heat shock cognate 71 kDa protein	3083.27	94.21	89834	27	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913	12480.913
P38647	Hsp9	Stress-70 protein, mitochondrial	1980.74	51.99	37467	60	219257.88	16521.5815	1729492.63	1450621.23	1022720.83	1763245.83	1673097.87	1699315.38	1829428.52	148616.614	1374041.3	157433.41	149334.41	1378938.17	1935831.1	1813213.89	1668951.48	1535791.69	1649028.3	
O99P31	Hsp19	Hsp70-binding protein	459.18	32.21	33610	9	7827.855	6139.4481	44369.8187	20677.0588	21599.5244	58540.7031	94612.5188	72573.8738	90576.0385	90660.633	8019.93071	85455.1127	93022.1304	79814.2381	65992.9514	106230.244	63311.8638	64557.406	89048.6818	
P64038	Hspd1	60 kDa heat shock protein, mitochondrial	3390.70	65.79	60955	47	8496260.18	613219.297	694261.88	4426625.72	3834588.66	664651.46	6688014.41	7135425.41	6988362.47	6208081.61	6052940.89	5935044.13	6093487.49	5136445.27	7315302.52	7086834.21	6593689.91	6141927.34	6446293.87	
Q64433	Hspe1	10 kDa heat shock protein, mitochondrial	469.99	68.73	10963	8	1163260.84	712940.295	758288.77	472636.508	315602.433	659441.287	594047.956	582146.599	615600.247	637896.811	65081.13	548491.443	627216.401	453770.067	439394.693	685182.949	593380.401	596310.121	59577.716	
Q61699	Hsp1	Heat shock protein 105 kDa	570.99	15.27	96407	10	24326.709	146420.3	1286596.974	85515.5019	50436.0772	182822.314	199235.056	215444.412	171734.39	189482.515	182858.119	199996.715	201908.994	167830.481	187131.796	189352.527	178281.223	182725.94	185600.881	
O92269	Huap2	Oxidoreductase HTHATP2	77.88	11.16	26870	2	7855.39162	2125.4315	23543.6375	14602.146	16018.2684	39395.229	26075.9151	34779.4533	40529.2582	15177.7498	246390.0181	2334.3808	17825.3931	12954.6446	20487.6073	20415.4161	19008.8299	23202.6391	25655.5007	
Q8BC03	Huaf1	HIV Tat-specific factor 1 homolog	40.98	1.98	86240	1	0.04731231	6903.5077	6817.93769	12521.1687	11096.4718	0.03665024	0.03877785	10594.3028	14355.3799	9962.79596	4729.68171	11405.1243	8033.26473	11566.215	0.03488812	4.137.98093	7258.09845	9331.56134	0.03500218	
O9JY15	Hua2	Serine protease HTRA2, mitochondrial	173.32	17.47	49348	4	5941.3229	43222.1231	44888.6792	25889.147	38340.3852	58024.3832	50654.4737	45699.9129	68125.9867	36165.9203	56672.777	33966.5655	35884.4328	38464.3238	54026.1157	47105.5614	32131.6588	44626.596	39687.6651	
Q7TMYS8	Huwei1	E3 ubiquitin-protein ligase HUWE1	395.84																							

E9Q1P8	Hf2bp2	Interferon regulatory factor 2-binding protein 2	45.21	3.16	59292	1	0.04731231	8134.2685	13079.5768	13930.0914	11175.4334	13027.4674	9301.52494	8770.14467	10489.8438	14102.9442	13769.3852	12368.693	11936.3386	12994.6025	12844.9422	12742.1152	13200.2779	12015.3837	13102.7368	
P56447	Irf5	Interferon regulatory factor 5	205.02	14.08	59600	4	0.04731231	24244.1053	14551.8742	10467.2554	14710.7963	10425.9696	32496.8328	38665.3574	41475.8894	41739.157	36275.9913	42631.8683	39180.6968	47329.6792	34921.9401	46191.515	32922.836	31015.8883	32656.3963	
Q9DCB8	Iscat2	Iron-sulfur cluster assembly 2 homolog, mitochondrial	99.04	20.78	16718	2	0.04731231	4915.78969	5918.88141	0.02587781	0.02510227	6968.0968	9132.19098	10261.7147	10492.7544	7514.16269	0.03500571	4868.73883	8586.31098	6779.20263	6172.32659	8472.69749	3887.85113	3033.39688	6851.76501	
Q6I7R3	Isoy1	Isochortansin domain-containing protein 1	115.24	8.42	32002	2	18433.8669	17120.4964	14013.31009	5308.03717	14667.5514	40733.3841	32245.516	34600.3085	37661.5311	42218.2819	40759.8962	37775.0379	27662.7162	33502.3299	18786.2379	38172.0532	28176.2651	29240.2971	35869.3165	
Q332A2	Isoy2	Isochortansin domain-containing protein 2A	332.84	14.63	32002	1	33750.4489	27751.0477	14013.31009	5308.03717	14667.5514	40733.3841	32245.516	34600.3085	37661.5311	42218.2819	40759.8962	37775.0379	27662.7162	33502.3299	18786.2379	38172.0532	28176.2651	29240.2971	35869.3165	
Q69ZQ2	Isvl	Pre-mRNA-splicing factor ISV1 homolog	54.78	4.91	32889	1	0.04731231	2396.01578	3000.03720	3010.46964	0.03665024	2225.27511	0.03837823	2279.57165	3103.979434	4.03500571	0.03548808	4603.82625	0.03502376	0.03488812	2563.51322	0.03396139	0.03434898	0.03500218		
Q9JH19	Istaa1	Inostol-3-phosphate synthase 1	818.03	29.62	60932	14	26948.547	31290.235	259560.17	119053.928	144228.569	352330.486	427973.660	369430.549	50799.549	42618.678	41234.014	390989.388	395646.29	357816.996	363569.894	425421.984	347225.204	348771.189	363734.259	
Q60651	Itna1	Integrin alpha-4	51.55	14.4	115966	1	0.04731231	1938.79178	3478.34879	5309.09968	4411.35371	3171.61725	1821.24276	3398.53305	2104.1884	2123.04744	3390.34545	2657.21624	3774.68077	2338.21646	2180.52383	4661.63029	2175.89917	2291.49538		
P11638	Itna5	Integrin alpha-5	291.85	7.22	115043	6	36019.2497	22996.6553	81233.19785	102588.320	11278.58456	106790.487	91677.8513	91381.7388	82523.2415	6415.8276	60606.519	51665.9307	53900.6269	49293.5536	59140.056	72556.5551	61690.8698	38513.5607	57086.6235	
Q61739	Itna6	Integrin alpha-6	40.62	0.73	112519	1	0.04731231	7296.1355	21231.1373	24498.5055	35765.3975	15292.8792	8674.65025	7881.47807	911.24750	12772.4002	12174.1566	9934.9625	11865.4106	15200.7953	15595.2666	19344.1374	16624.2618	15756.6974	17349.0893	
P24063	Itnal	Integrin alpha-1	61.08	0.95	128238	1	18163.9355	27347.4787	31397.2126	34664.6689	37856.4919	16158.5925	15258.3759	17992.0724	19489.6179	18993.9533	18357.9332	18990.5623	22807.1031	16996.3449	23555.4159	23082.1149	21644.5053	23167.616	22874.5117	
P05555	Itnam	Integrin alpha-M	1525.94	24.02	127481	25	915458.14	608072.938	763651.28	965147.288	9835210.501	843285.469	775123.775	845606.869	823152.362	637083.25	603359.999	60980.358	56709.719	56704.516	72274.025	718565.368	650919.781	596257.636	71730.5884	
P09055	Ihgl1	Integrin beta-1	839.8	24.69	182321	15	305008.679	28124.932	350838.428	490644.179	462020.95	31045.661	215163.92	281008.894	308314.57	62744.966	283463.885	281958.474	26084.284	292925.981	315788.174	288521.247	251363.64	314418.644		
P11835	Ihgl2	Integrin beta-2	1272.66	32.43	85026	20	277231.5	122603.659	287017.952	338315.871	403782.843	354643.702	323955.093	353751.784	347327.431	226849.345	314884.87	201241.633	23078.606	262624.33	27398.923	257934.509	218601.966	198289.395	247863.816	
Q61703	Iht2	Inter-alpha-trypsin inhibitor heavy chain H2	136.59	4.44	105928	3	2669.1221	52403.1996	25510.014	10228.2258	22068.92038	45547.6583	31346.9142	27011.6239	44400.6449	20095.8292	0.03500571	21108.8368	10380.5549	35731.0714	14960.0727	23976.8507	24454.8134	28619.415	29876.0418	
Q61704	Iht3	Inter-alpha-trypsin inhibitor heavy chain H3	125.95	24.7	99358	3	15230.5647	23293.9171	24522.4184	13880.4832	18045.887	27209.676	13367.2159	16605.7972	17778.1897	20817.9152	31006.3782	19517.8062	15932.4047	27631.5786	29213.1552	34931.0748	44102.7934	29159.1906	36464.0299	
Q9D892	Iipa	Inosine triphosphatase	69.4	5.56	21897	1	23284.7543	16586.0778	11646.0906	0.02587781	9445.07503	19937.9598	21630.8409	24127.7906	2523.0357	31991.575	22632.5085	26240.6957	30122.9747	17213.5137	22424.1905	21079.5716	17939.3476	19875.9401	12678.1445	
P70227	Ipr3	Inositol 1,4,5-trisphosphate receptor type 3	80.84	0.9	304725	2	0.04731231	6384.1463	12439.9354	20258.4996	17743.4894	11398.4743	7673.54192	10374.9970	790.2468	41439.7394	11655.2848	8712.33072	6716.40965	4910.97637	12251.0656	10089.3781	5691.36071	9282.50996	8675.07394	
Q9Z0R6	Irs2	Insulin receptor and BTB domain-containing protein 2	44.16	0.72	188908	1	0.04731231	9884.71406	14040.8221	0.02587781	10062.5791	21274.9903	19169.7805	14404.9832	20409.4512	13481.7222	16673.1108	17108.831	15811.9511	18443.9945	16695.4037	13749.3262	20222.3459	17491.0753	17505.5884	
Q9JH15	Isvd	Inositol-1-CoA dehydrogenase, mitochondrial	323.11	16.75	46325	2	78730.8796	103241.1443	91622.0936	68645.714	6144.4588	95240.8432	10430.9492	7329.6288	109264.771	62744.966	75953.4813	60345.2665	89840.8145	68318.166	71442.2222	63484.7385	70459.5401	65212.4151		
P97825	Jpt1	Jupiter microtubule associated homolog 1	120.6	27.27	16081	2	0.04731231	12888.8545	15234.2391	8884.3797	0.02510227	8580.26927	21275.7183	14411.8084	17409.5597	19275.704	21048.253	17943.9851	22229.4175	1743.7322	13767.7613	19248.1723	17182.7802	18800.521	18546.2067	
Q6P624	Jpt2	Jupiter microtubule associated homolog 2	162.14	21.58	20020	3	33804.422	7601.889	70579.3785	65390.8886	79216.3759	84621.6257	73711.2317	70674.3063	65302.8666	11006.8117	8670.867	7924.0872	84535.237	99013.5585	98980.8231	76619.7861	88591.527	88569.466	89559.03	71695.4185
Q92257	Jup	Junction plakoglobin	267.31	10.34	81801	6	17123.92531	30065.3508	25630.1459	22038.4881	24395.8498	31856.603	63740.9583	30780.2616	23481.6679	26175.5848	30473.4016	23571.489	24941.9517	23089.327	39785.9354	34934.9573	25763.506	25006.3534	22972.43	
Q99M11	Kars	Lysine-tRNA ligase	76.38	29.92	67860	15	31630.0085	21605.8572	74304.7399	141094.313	141591.91	338789.745	343185.138	323079.042	335092.759	35490.145	289187.78	393098.62	312876.776	268680.119	303040.711	336178.114	296055.977	324351.192	27254.37	
Q55VQ0	Kar7	Histone acetyltransferase KAT7	98.56	5.22	70641	2	0.04731231	2171.96697	13765.2055	18650.5452	11586.5427	6696.25581	11246.7789	13465.8245	814.3082	14707.3859	15267.6054	15005.481	6762.86765	15299.8294	12877.5496	15769.3018	15609.9147	15468.3947	14843.3619	
Q9Y3H4	Kchc3	Kelch repeat and BTB domain-containing protein 3	37.84	1.15	69551	1	0.04731231	40311.1494	26084.1687	4175.5227	0.02510227	0.04662524	0.03877781	66573.6236	40972.602	46200.208	1434.65141	587.992451	0.03620746	2124.8004	15776.0164	1601.65277	1601.65277	1601.65277	1601.65277	
Q62482	Kcnab2	Voltage-gated potassium channel subunit beta-2	22.07	22.62	70641	5	0.04731231	19894.5377	60303.2865	458.14982	4833.4078	2338.6	9982.4845	28262.608	4824.5876	1747.2499	19974.8852	23369.1693	24409.7579	13599.0875	19336.5329	21846.5119	23179.547	22585.665		
Q6VGW3	Kctd12	KBTBD-pot domain-containing protein KCTD12	561.19	4.22	35892	9	15502.307	148527.933	151890.356	76508.881	90103.983	217138.594	23769.424	175555.316	21614.542	218407.564	188269.668	210016.089	203450.943	189063.341	185770.27	182488.528	185384.4	171463.836	15425.948	
Q9JH17	Kdel1	KDEL motif-containing protein 1	219.32	8.96	57985	4	0.04731231	8310.45345	3900.44891	37481.6727	6858.03282	4385.77453	47763.8707	8720.07067	8159.07917	9658.9198	6451.62759	7447.30615	7499.37331	7110.69765	8138.70893	9416.74321	8687.3385	7417.9943	7903.36337	
Q569A6	Kdelr1	ER lumen protein-retaining receptor 1	111.71	14.62	24546	2	3629.74237	10550.780	12140.5014	26469.2455	18891.7166	8253.9986	4032.28515	4102.54538	6697.5577	457.8164	2127.2326	6728.65901	4888.6339	6668.02459	9584.58281	7083.51782	5657.62559	4947.46706	7991.05748	
Q6Z08X	Kdm1a	Lysine-specific histone demethylase 1A	152.49	5.04	92831	4	0.04731231	26150.7416	21640.591	43552.9438	34211.8149	23291.9306	15885.2451	23550.3924	24768.887	46207.5191	19371.6415	26657.933	25489.1708	22959.3997	30984.1505	21141.943	25685.3903	25194.948	19758.5863	
P59997	Kdm2a	Lysine-specific demethylase 2A	56.13	0.86	126801	1	0.04731231	2500.05784	2224.15784	5584.3621	1236.18514	2003.13369	2994.3962	2735.6499	2008.7881	4598.86332	4824.76649	3850.24949	5147.91253	0.03502376	0.03488812	4802.5582	4509.35761	5533.21124	3960.9349	
Q6GV12	Kds2	3-ketodihydroxyisovalerate reductase	48.72	4.52	35956	1	0.04731231	0.03311494	2325.14428	1928.0757	3631.3															

P21619	Lmbh2	Lamin-B2		520.9	15.94	67318	9	243663.389	172519.282	191980.988	198389.072	262085.849	172240.424	217956.972	219381.915	226922.666	173720.093	153176.92	174297.802	189908.103	144626.90	144231.25	186013.462	188179.592	183281.758	182734.703	
QC8129	Lmp2p	Lucy1-cystinyl aminopeptidase		396.61	7.51	117304	8	8692.68357	96471.5115	103210.182	127980.184	119985.826	139497.847	104851.842	123280.047	136842.922	78968.584	98558.3036	89965.4778	7662.2498	83195.6162	94755.426	102662.316	84613.202	85937.5309	104573.935	
QC8CK3	Lomp1	Lyon phosphatase homolog, mitochondrial		799.73	24.34	105843	14	230423.062	21673.344	198965.2	278893.239	302172.399	302319.442	256831.336	327636.088	321895.593	205762.118	238199.164	205237.599	181341.164	226638.849	234378.077	233909.084	201882.826	175696.884	218240.69	
Q1HA00	Lpea1	Lysophosphatidylcholine acyltransferase 1		577.23	5.99	50762	1	0.473121231	21063.6483	331193.913	21841.4964	17523.2553	16208.6071	12565.2387	4367.01557	21959.47	10373.489	10382.8921	11927.9026	2228.40311	2468.18842	7830.55784	10912.7415	11974.2897	11968.4726	10170.819	
QB8V16	Lpea2	Lysophosphatidylcholine acyltransferase 2		121.97	8.64	60254	3	2956.84462	24883.43	24206.2066	46693.2653	44382.4703	34459.5188	20379.9961	32822.077	39950.7758	20610.126	21753.4932	27934.7119	20223.0828	18834.1498	30540.1053	28350.6343	29101.2629	27093.636	24943.5957	
Q6N7V1	Lpea4	Lysophosphatidyl acyltransferase LPCAT4		70.92	6.11	57143	2	0.07121231	7258.48892	8463.256	25234.14	17095.9348	1297.54386	4778.5221	7993.8693	1459.1756	5503.85897	4060.58252	12716.1723	16.112.179	11387.9268	8887.09446	8232.85485	11784.1362	14742.5528	21239.7144	
Q9N469	Lpsa	Lysenin		263.87	17.88	43478	6	14742.5528	21239.7144	23019.0549	93524.85438	7836.63737	44364.2726	42012.77	53122.8238	41768.5587	35611.4823	33790.387	52495.2597	38719.8248	27199.8056	32097.461	35445.93	3812.4333	32304.1297	17241.9878	
Q60664	Lmp	Lymphoid-restricted limonene		164.63	6.12	59588	3	18446.7167	11841.7829	14930.3159	25585.6626	28438.5667	12455.7396	11681.7143	15114.7658	11775.4441	10441.4557	16127.1135	16615.8495	13758.1115	16763.2065	13215.7866	17528.04	14848.719	15766.2507	20612.2333	
Q91ZX7	Lrp1	Prolov-domain lipoprotein receptor-related protein 1		645.88	32.48	504742	109	328483.776	23227.38.34	310081.798	4166165.63	3821067.98	3140323.93	2677716.53	2862203.83	3062203.95	2092788.72	2304494.57	2387293.46	2134651.67	2433580.9	2307447.86	2667620	2437851.44	2227472.62	2633394.46	
P25502	Lrpap1	Alpha-2-macroglobulin receptor-associated protein		260.70	15.28	42153	6	88485.3378	88294.1937	71124	56855.4007	5009.734	110830.397	148220.628	149716.327	139846.281	8725.4923	4978.5712	71427.828	83391.4248	76895.9617	70611.3841	96443.3775	79513.3223	71952.1451	75401.1126	
QP68B6	Lrrpc	Lucine-rich PRR motif-containing protein, mitochondrial		1213.73	19.76	156615	20	55298.5668	19720.3377	121619.369	131492.779	109804.672	158557.535	20207.412	220052.556	226693.917	128486.899	111009.728	11812.414	112423.111	152801.241	156350.982	166388.369	115809.225	99493.682	155806.435	
QC9CR8	Lrrc40	Lucine-rich repeat-containing protein 40		137.78	4.32	68076	2	0.473121231	14794.4271	11527.6138	6483.3714	13672.2981	19120.482	19067.621	18837.7866	23594.763	21906.742	15578.572	28098.1249	19738.575	16919.9028	19837.5851	22615.6053	13765.2023	16936.3821	18974.3193	
QC81C9	Lrrc41	Lucine-rich repeat-containing protein 41		151.35	6.07	68180	3	0.473121231	2286.51186	2841.69817	4675.4877	4154.00739	4218.3527	3507.03942	4868.87333	8752.83354	3043.4861	5748.52542	7426.7511	3427.62431	10669.4294	4501.93143	7252.71968	7199.53085	4006.10571	8550.74849	
QC505F5	Lrrc42	Lucine-rich repeat-containing protein 42		210.41	12.39	63900	5	25627.2299	21564.1927	22364.0384	9694.4427	16528.8067	25556.6266	30897.7127	24852.8266	28947.3284	30259.9842	30574.7897	28045.1949	26835.0022	42351.7077	30583.3557	33006.0812	24042.9434	28883.1685	92001.9236	
QC3UG9	Lrrc58	Lucine-rich repeat-containing protein 58		61.05	6.01	40139	2	40787.5327	35686.8459	28764.2635	28781.361	44375.1686	26792.2276	12776.7213	19282.5063	9961.71208	33587.106	48054.977	24889.6254	38160.5335	45169.4396	27762.4546	42665.9665	26659.287	31070.276	29709.3133	
QC92208	Lrrc59	Lucine-rich repeat-containing protein 59		315.59	36.81	34877	7	109855.328	127031.925	107982.937	77579.9858	89670.6681	145740.379	245815.377	198919.319	228002.956	157274.660	192410.826	157916.276	183874.202	159904.193	19894.139	228207.018	134746.494	134992.738	196869.299	
QC3U239	Lrrrip1	Lucine-rich repeat Thrighless-interacting protein 1		647.42	24.69	79249	12	55482.4834	79233.0544	43302.491	55420.8502	15165.0389	23107.997	14601.919	149293.608	147180.26	11752.550	12196.145	133155.542	122853.395	118834.625	84643.8624	116981.974	119677.212	11362.751	127089.812	
QC3ML5	Lsg1	Large subunit G1Phase 1 homolog		43.9	2.17	73457	1	0.473121231	2198.96623	2084.20669	0.02587718	14556.07389	4448.49426	2694.82195	4233.58289	3608.25256	3757.05862	3863.74919	3016.96585	5157.58525	3087.19589	3313.67058	4875.95718	2519.27121	3779.37193	3093.94063	
QC9D0R8	Lsm12	Protein LSM12 homolog		71.61	6.67	21701	1	27355.016	16145.2209	25695.4463	7694.67867	11379.7651	30366.0332	19942.5039	24870.6228	20266.544	29292.7587	20827.3342	29770.7024	23004.1984	21562.9453	2326.4491	24359.291	29310.1255	20924.9967	21152.9403	
QC35900	Lsm2	U6 snRNA-associated Sm-like protein Lsm2		120.7	20	10835	1	16038.9516	15201.2479	12955.6869	0.02587718	12298.2965	18815.0986	18438.6619	13846.9229	17396.2039	20839.0523	27039.9259	26949.2034	20264.7666	25292.5603	15200.5534	14763.5751	18334.9149	23675.4909	20095.2229	
P62311	Lsm3	U6 snRNA-associated Sm-like protein Lsm3		81.27	32.35	11845	2	0.473121231	81939.8524	67608.8766	53127.2294	43323.6429	75863.5197	83643.6636	68846.2419	49523.9199	9217.6477	81083.6729	69963.3453	8595.6325	81165.9715	18399.4458	91905.0441	71912.7721	77718.0684	68121.4814	
QC9XAS5	Lsm4	U6 snRNA-associated Sm-like protein Lsm4		76.15	5.84	15076	2	1533.4481	16294.085	9508.45891	14925.6028	11754.0979	10303.3825	10110.7408	8722.6845	6323.14831	14131.1747	14270.2152	15308.4802	12866.411	11946.7704	15821.4847	68183.8875	67725.13012	69905.1354	6001.601	
P62322	Lsm5	U6 snRNA-associated Sm-like protein Lsm5		68.41	20.88	9937	1	0.473121231	10844.1562	6039.4716	15216.0443	11789.5846	8473.97039	5126.79403	0.03837823	5814.81103	6824.41106	12245.6503	9175.12513	10764.2115	11986.0811	12301.7134	12109.8226	8378.8490	12128.5174	11335.9016	
QC9W44	Lsm6	U6 snRNA-associated Sm-like protein Lsm6		137.64	46.25	9128	4	65893.5701	72051.177	88486.8769	86994.3588	10207.54	84187.2419	79956.9789	288853.626	30243.951	51218.796	56839.9876	50241.9837	74449.7496	85795.4075	73560.7007	75589.4962	54109.953	80899.6856	80933.2885	38851.319
QC9W07	Lsm7	U6 snRNA-associated Sm-like protein Lsm7		97.23	15.53	11636	2	37106.6492	52585.1626	40816.507	35723.8209	41938.5383	46094.9174	43315.2718	40938.2866	34936.6229	60887.9521	61162.3904	48786.9918	63254.871	48204.6779	47139.3748	52115.1029	53388.2529	58821.1816	53383.3126	
QC9MCA8	Lsm8	U6 snRNA-associated Sm-like protein Lsm8		68.22	64.58	10403	5	17861.979	105968.601	171335.268	114543.393	10607.8445	41733.055	91907.3252	85962.1882	110905.007	97026.271	104107.56	106827.175	100586.342	99894.6907	106283.586	119272.654	104303.434	10348.559	10348.559	
P19973	Lsp1	Luciferoyl-specific protein 1		730.87	4.12	83714	10	516064.988	43417.7188	465622.718	310185.46	286431.938	497447.023	473655.961	501876.758	481356.85	468457.982	522303.376	468226.338	424960.538	516014.892	342215.921	432372.024	425846.429	416906.965	441482.197	
QC8LN5	Lsu	Lamosterol synthase		50.39	1.64	36141	1	0.473121231	28457.7244	5312.11907	0.02587718	3299.5753	7161.06217	6107.12891	6424.00941	9155.70871	5422.50391	6376.36484	7552.47109	3660.50817	0.03502376	7628.79599	6991.37799	5275.23887	521.28888	6273.85887	
P24527	Ltsh4	Leukotiene A-4 hydrolase		376.51	15.06	69051	7	14718.7325	8709.1727	92904.5297	18378.8548	50666.8065	69950.8104	109106.615	93623.2317	133288.91	94647.21206	10020.0742	66564.187	82232.1433	47586.99	70023.371	62033.2821	79720.6226	102323.068	82446.972	
QC6FR7	Ltv1	Protein LTV1 homolog		57.63	2.55	63652	1	0.473121231	5180.7625	68179.97227	0.02587718	0.02510227	8661.99068	6341.99551	7413.51136	7337.01157	6457.91666	5660.32592	6654.74948	5628.67177	5312.13524	7623.12894	0.03808805	0.03396139	6266.51093	3947.7523	
P17897	Luc71	Putative RNA-binding protein Luc7-like 1		135.46	12.84	43934	3	32355.4415	30852.5172	25.24898	6795	1673.4512	15151.1732	23100.5635	24660.3708	288853.626	30243.951	51218.796	56839.9876	50241.9837	74449.7496	85795.4075	73560.7007	75589.4962	54109.953	80899.6856	
QC7MC4	Luc72	Putative RNA-binding protein Luc7-like 2		347.62	20.41	46583	7	14161.6504	67856.0663	61969.1659	34805.4994	46307.5257	55933.0663	61683.0117	28714.9305	66255.2291	102026.966	91656.2985	88790.5921	98855.863	62084.727	72677.3809	45529.6549	87756.9483	87997.3494	78831.1776	
QC5UF2	Luc73	RNA-binding protein Luc7-like 2		482.02	21.76	51450	7	38157.3642	35405.9402	12127.6479	25279.5221	43384.8025	30106.467	46553.306	41834.6041	46146.2577	63221.1037	63221.1037	63221.1037	63221.1037	63221.1037	63221.1037	63221.1037	63221.1037	63221.1037	63221.1037	
P70202	Lxn	Latexin		127.05	9.46	25492	2	27540.092	26886.9912	8964.61364	10945.7173	7406.28823	27693.0285	41810.0096	31890.6282	29087.2524	36908.0453	31056.7301	22250.9658	40746.5076	39445.0505	29539.501	36514.79	11776.9306	26548.5863	15229.5763	
QC8818	Ly86	Lymphocyte antigen 86		87.11	12.35	17811	2	0.473121231	28447.9141	3647.2736	34729.2032	41342.1712															

Q3ULD5	Mccc2	Methylcrotonyl-CoA carboxylase beta chain, mitochondrial	88.17	4.26	61379	2	0.04731231	8283.00229	15628.5856	5406.5613	5944.83683	14436.9541	11304.6802	11797.0946	15250.3905	10083.9202	13605.2828	12172.7162	11944.4638	12833.7613	10842.2789	11328.4892	10188.791	4118.65238	11048.2614
P97287	Mcl1	Induced myeloid leukemia cell differentiation protein Mcl-1 homolog	50.22	3.93	35217	1	0.04731231	03111494	0303700204	020587718	020510227	03665024	3993.35609	3205.84012	5784.17	030379434	2702.80266	4079.76379	4831.68325	7672.66586	03038812	5612.46563	4125.24858	4486.94939	5413.91404
P97310	Mcm2	DNA replication licensing factor CM2	15054	35.95	102078	25	1.91276.275	428541.677	365846.842	368959.93	352308.08	465578.76	49670.387	480226.906	43814.19	505893.412	406954.428	394733.832	476380.639	418072.546	318764.718	427547.792	423370.916	46119.696	46156.956
P25206	Mcm3	DNA replication licensing factor CM3	1298.34	33.5	91546	20	723515.181	748301.934	629375.557	487022.151	506993.637	658765.603	606740.357	744642.453	638008.447	829498.987	69845.51	723692.468	939363.177	744522.679	662571.746	699560.881	737653.132	327516.316	713351.91
P49717	Mcm4	DNA replication licensing factor CM4	1020.22	25.87	96736	17	120255.182	271127.124	218089.923	227608.282	247466.17	254467.216	236760.999	234400.219	336011.281	281337.659	286707.02	304369.468	267066.798	288320.225	282081.149	285431.304	320294.763	204689.273	27412.108
P49718	Mcm5	DNA replication licensing factor CM5	1088.75	30.97	82342	22	338633.125	688860.31	790752.562	665424.361	525317.49	842770.939	770223.132	794021.807	749898.942	91921.994	681254.767	761938.615	821878.156	68015.698	762554.756	784779.051	767613.529	806653.366	74461.378
P97311	Mcm6	DNA replication licensing factor CM6	1179.58	31.06	92867	20	335410.815	40596.163	37962.294	3103.05698	022510227	195120305	5262.97591	5431.5531	7512.44751	6855.27427	9179.26257	4042.2846	5108.3671	7726.57671	003488812	1792.32857	6381.041	4092.92337	3444.39787
Q61881	Mcm7	DNA replication licensing factor CM7	972.8	33.52	81211	19	256893.947	344877.14	340466.664	369250.93	324605.086	389017.377	343881.806	560476.764	373622.19	400226.63	388881.005	389924.192	396840.738	371508.731	332194.97	389277.686	366119.283	376528.877	405788.618
Q8R3C0	Mcmhp	Mni-chromosome maintenance complex-binding protein	370.98	17.85	82899	7	15220.1498	32683.8337	44964.329	22075.704	27690.0819	52449.2775	33961.888	57578.1577	57365.7304	68653.2314	65955.8323	59191.4381	65558.5778	72227.2239	59158.0539	68819.3561	51229.3232	59200.938	62981.2449
B0BN27	Mcrip1	Mink-regulated co-repressor-interacting protein 1	49.34	11.34	11101	1	0.04731231	1512.49697	4804.95352	020587718	024254541	7811.02772	5853.43197	4910.23137	6390.7672	7485.81541	5420.88636	5396.15772	6451.77945	5903.12979	6328.73755	6034.35986	3011.22467	5408.37991	4672.00907
Q4G099	Mct51	Malg-Nipr-T-cell-activated sequence 1	121.98	10.44	20550	1	0.04731231	03111494	0298.4778	020587718	02510227	4215.52711	8131.75697	6757.78145	5506.25382	3783.82349	7474.77512	4904.01519	7754.84238	030502376	4137.35246	6413.95656	3158.16662	4727.70727	4001.43734
Q9P5V9	Mdc1	Mediator of DNA damage checkpoint protein 1	189.53	3.75	184670	3	352.61908	4819.55226	261.16855	10971.9421	10333.9409	6297.02589	41036.6643	6942.08332	8129.26621	11723.9637	10645.5787	6536.68401	9049.33103	11810.9667	6944.54728	7814.42008	10107.168	10716.0733	12314.9137
P61152	Mdi1	Malate dehydrogenase, cytoplasmic	504.53	44.61	36159	9	375.68476	264759.644	243984.352	89900.474	119747.254	492337.833	420989.782	39239.590	41076.549	59269.7123	92599.945	263150.233	307786.674	254726.122	275555.995	294378.351	346057.612	295767.652	282142.98
P08249	Mdh2	Malate dehydrogenase, mitochondrial	1885.96	83.73	35611	29	3774433.83	3359505.84	2911.766	1171256.11	111807.78	2855259.56	2863648.78	2772844.17	280394.978	24251179.65	2675072.68	2319838.15	24494493.1	216924.517	2948086.31	2381096.18	2453225.08	250013.875	26710.619
Q9D967	Mdp1	Magnesium-dependent phosphatase 1	67.25	14.02	18582	1	0.04731231	876.75939	030370204	3103.05698	022510227	195120305	5262.97591	5431.5531	7512.44751	6855.27427	9179.26257	4042.2846	5108.3671	7726.57671	003488812	1792.32857	6381.041	4092.92337	3444.39787
P06801	Mel1	NAD-dependent malic enzyme	94.39	31.5	63954	1	0.04731231	7808.35315	6496.55035	020587718	4676.23711	10665.192	11395.455	6628.3164	1243.5053	11075.5064	11095.0466	9649.0307	8801.89509	030488812	7861.70696	8516.25452	8567.0001	030500218	26712.108
Q99KE1	Me2	NAD-dependent malic enzyme, mitochondrial	730.34	31.24	65799	11	36076.953	10933.759	99607.828	38635.7681	37847.1947	78682.1051	108764.049	96672.1015	104938.284	9545.3198	91734.1862	68635.2319	88446.8464	69887.9867	102931.152	104986.688	83878.5323	88782.5026	101745.732
Q9DC53	Meer	Enoyl-[acyl-carrier-protein] reductase, mitochondrial	153.24	14.48	40343	2	0.04731231	31298.3491	3928.87804	1619.21796	02510227	401.22887	3488.5537	2788.55166	1846.01613	9121.762	2152.56605	4052.79136	18686.81659	3356.06133	3853.53557	4712.24173	3397.87728	1868.83695	2786.96013
Q4Q0R9	Memo1	Protein MEMO1	49.26	4.71	37679	1	0.04731231	4556.10638	030370204	4296.2196	7296.02510227	5203.31192	11228.6484	7469.48947	7147.61034	6764.90474	7567.16271	3977.73246	7324.00237	1319.88134	6944.81941	10154.8465	6668.89537	6162.45859	5097.1863
Q9HEK7	Mesd	LKP chaperone MESP	215.57	26.34	22507	5	80342.9699	158777.383	179085.099	95771.7909	125710.311	160809.918	162831.301	143256.474	161435.884	198084.77	152864.056	146997.377	141874.36	143331.271	148969.062	127972.021	167878.106	145597.42	173355.695
Q9H948	Menp1	Methionine aminopeptidase 1	107.39	5.44	32221	6	5869.04819	61224.5687	91818.673	39087.8622	30351.8509	60118.1247	72773.6367	44751.8137	72944.9057	73803.3533	7007.9092	66148.4599	58002.1569	5018.50141	63608.782	5936.3496	6628.0452	3229.0793	69040.4558
O08663	Metap2	Methionine aminopeptidase 2	107.39	5.44	32222	2	0.04731231	1608.41735	2108.44730	020587718	1093.22608	1027.5748	9470.90782	5140.2036	2866.2575	6977.4665	3908.0968	3524.06688	8364.28639	7496.71803	5288.42013	6820.51787	030396139	4843.17599	4575.47831
Q9Y120	Mettl1	MtRNA (guanine-N7)-methyltransferase	51.03	5.6	30603	1	0.04731231	3170.72468	905.83043	020587718	02510227	1323.68889	2048.495	2448.70972	0372805.661	3614.33259	3035.62826	2666.03282	3586.174	5732.11238	2397.0729	3793.38401	3396.08073	2883.51603	2878.26839
Q9Y1R5	Mettl3	MtRNA (guanine-N7)-methyltransferase	87.05	3.01	78757	2	6238.71562	2815.83432	5184.92867	3471.00542	02510227	12310.6289	10316.2229	965.41097	1071.00626	9423.1813	10841.5102	9253.29086	634.27945	8225.92625	10034.5088	7634.19869	5350.74132	5217.83099	9486.60951
COHKD8	Mifap8	Mitofibrillar-associated protein 1A	146.5	9.7	51943	3	22181.916	2508.9756	27645.3067	42527.4149	48633.5585	13915.8061	14533.6417	15784.9864	19029.068	23097.0089	28684.9272	20488.7193	23104.8099	2421.2628	15303.203	24328.6294	23113.9743	24367.0138	25814.3172
P21956	Mifg8	Lactadherin	112.39	6.7	51254	3	77.18.24254	2596.9709	20236.61128	22390.9773	16309.2681	24378.5116	21772.1421	117670.8855	2047.5267	11226.4707	92862.921	20611.7013	18493.5895	17995.9106	26181.7111	33035.4661	29048.7629	24084.5899	25253.6429
Q9Q326	Mgat2	Alpha-1,6-mannosylglycoprotein 2-beta-N-acetylglucosaminyltransferase	53.26	2.94	51110	1	0.04731231	12854.58261	2648.24802	8921.78033	02510227	4098.31994	2583.03798	1268.62451	3154.52541	2241.22356	030500711	2740.92525	1859.2387	1104.72238	2004.94453	030380805	3381.98115	030348898	2801.78831
Q9CPU4	Mgat3	N-mannan glucosylase S-transferase 3	181.54	24.84	16958	2	11422.3794	11884.0411	14788.5696	29548.2988	5561.77066	8958.29418	7505.76534	1216.7399	3556.8204	11077.4726	11831.8477	7089.11116	18571.5591	13595.5394	7834.56695	5113.97169	7990.9014	7900.9014	5804.7833
QB8184	Mia3	Transport and Golgi organization protein 1 homolog	103.06	1.35	213675	2	73407.9267	12008.2897	46597.8424	35612.3655	9885.93917	98031.5113	14701.3841	14481.7671	71778.6377	11109.1433	115300.0041	14322.7514	13568.9762	102401.896	15134.6672	17013.237	12697.4264	15954.3533	14973.8413
Q8R404	Mic13	MICOS complex subunit MIC13	72.83	33.61	13373	2	0.04731231	40578.14569	49886.6061	35065.57198	38259.2798	76125.5277	66244.5939	66127.3744	6484.97024	44287.9581	49364.0639	48641.8309	48644.3444	52916.2848	55757.2644	59439.0989	65304.2044	50684.8952	66805.2857
Q3YN34	Micall2	MICAL-like protein 2	85.46	5.27	108288	1	0.04731231	14180.0777	1798.1872	11739.8552	16030.9199	19649.7654	16445.674	18082.7309	4081.3557	18954.6675	19687.7277	14577.9341	19415.9303	15504.0519	17053.6676	14041.9219	18080.2661	17463.9125	11779.039
P30904	Mif1	Micrograph migration inhibitory factor	183.07	17.39	12477	3	493403.005	40754.487	411236.579	162408.74	128657.82	408014.876	434639.346	375456.978	3420008.874	62919.944	55216.7630	447527.9162	580425.03	523661.999	545276.656	368847.277	483308.117	327364.691	1173764.91
Q5BJQ2	Mindy1	Ubiquitin carboxyl-terminal hydrolase MINDY-1	4.8	2.07	52729	1	3578.68694	15788.0641	11559.6754	404.43334															

Q9CQV5	Mrp24	28S ribosomal protein S24, mitochondrial	41.99	4.79	18901	1	0.4731231	7833.67741	4789.67927	7441.0883	0.0366204	8512.71243	8852.83901	7475.67679	7716.52319	6665.17242	7078.15387	5399.45591	6039.06498	9950.26912	10233.1686	4582.69825	7492.05567	6724.20779	
Q9K808	Mrp25	28S ribosomal protein S25, mitochondrial	37.52	7.6	19775	1	1.0738.4598	8944.9771	7252.9647	7483.8877	7424.6199	10036.9857	9315.69911	7960.99393	9697.9474	7151.92717	12237.2652	11710.6609	7655.506	13364.9469	7574.29202	10965.8577	3022.6773	7171.22329	133646.911
Q80Z53	Mrp26	28S ribosomal protein S26, mitochondrial	83.84	10	23444	2	0.04731231	1573.7673	12825.4062	23885.7794	19290.194	14890.1927	12520.7401	20554.0575	21284.8712	20556.6081	18668.3375	17749.3346	10948.6206	741.67639	16650.7829	14372.0668	20331.5071	13588.398	20295.3891
Q8BK72	Mrp27	28S ribosomal protein S27, mitochondrial	146.92	9.16	47779	3	0.04731231	24567.1971	18598.8117	18858.2209	5457.2357	24995.9177	22830.7034	25779.9064	23932.4172	33814.9166	16068.7637	13731.755	421.80097	5672.40229	17451.6952	18194.6996	20413.1078	18933.404	22137.6789
Q9CY16	Mrp28	28S ribosomal protein S28, mitochondrial	206.94	24.73	20520	4	0.04731231	46646.5444	6547.1121	47709.5082	40740.3442	57585.2131	40501.4618	49307.7204	57464.8517	41924.6717	52337.2065	50140.2006	49787.1976	35814.0646	55021.2927	74749.4029	51298.6511	46214.9289	59709.731
Q9D0G0	Mrp30	28S ribosomal protein S30, mitochondrial	146.17	7.69	49939	3	44605.5773	28397.2425	2817.0314	32247.5685	33828.7923	20060.9422	15741.2359	23672.4602	28082.9393	22425.9441	25112.8827	19944.5747	24976.7443	30491.9248	11736.0075	21749.4075	21298.6511	46214.9289	59709.731
Q9J9V9	Mrp34	28S ribosomal protein S34, mitochondrial	151.62	13.76	58277	4	42358.3478	46638.8318	30296.7601	52390.8176	371155.8989	33123.2	26919.6343	34599.1502	27281.7882	40780.8753	13747.6486	26147.5878	30299.7766	40270.7625	42393.4984	29869.8431	47061.9386	26733.6235	
Q8JBL4	Mrp35	28S ribosomal protein S35, mitochondrial	35.98	4.06	15975	1	0.04731231	6820.99725	7296.1379	7897.0511	6130.81955	0.0366204	5369.9187	2610.85584	407.2184	3044.2868	0.03500571	7649.03992	0.03620746	7194.73725	894.98484	8966.70248	7016.74115	5352.3471	5968.2193
P58064	Mrp36	28S ribosomal protein S6, mitochondrial	47.5	8	14309	1	0.04731231	3820.2575	4666.1933	0.02587718	6907.6905	7888.08375	2853.64267	2739.28149	437.20741	0.03794436	402.18651	4753.02689	4155.21923	7240.68084	6574.30702	5781.43505	4348.4616	4547.93566	4882.04089
Q5I0K8	Mrp7	28S ribosomal protein S7, mitochondrial	43.34	4.96	28197	1	11836.8589	9295.36699	7873.32227	4409.8796	8843.90152	12067.4511	8039.873	13278.9147	8867.02254	6157.28493	0.03500571	7626.92029	6347.73839	0.03502376	5746.06456	11685.016	6265.26903	8375.26247	5719.90454
Q9D0H8	Mrt4	mRNA turnover protein 4, homolog	337.57	30.96	27546	1	123239.866	150087.8811	104590.661	194960.289	141836.486	115959.701	106020.821	112660.872	116842.685	105454.159	149851.332	125434.708	19421.842	126393.761	152269.211	161943.475	110734.332	148057.185	134899.540
P43247	Msh2	DNA mismatch repair protein Msh2	690.67	13.48	104151	11	104881.608	57546.1368	46916.1722	34078.4122	47100.4625	8772.11144	95574.2964	108832.101	100673.874	91879.0586	42040.9407	82549.3853	80320.24436	90401.8432	68813.3288	76855.0957	78008.7479	75280.9737	87460.1121
P54276	Msh6	DNA mismatch repair protein Msh6	104.05	2.5	151084	2	0.04731231	4344.07683	11825.1031	16850.3721	5316.19604	18973.4494	18919.5605	23554.4317	21105.1663	18609.4865	19929.2127	7285.90665	18465.8811	17102.5295	18658.8811	22378.553	25551.4718	9446.6887	20733.6235
P26041	Mso1	Moesin	3455.891	67.94	67667	55	5440207.71	50963.56	4902222.26	2719554.81	2902355.42	6513879.96	6659071.63	589324.112	5885282.35	646601.179	5210446.51	5476113.91	8838445.66	5003045.02	5274093.46	5077311.07	4760028.72	5108390.08	47801.0624
P30204	Msr1	Macrophage scavenger receptor types 1 and II	326.42	13.76	50170	6	19155.857	90047.8628	92923.8891	12519.325	11094.136	78329.801	144266.225	144902.34	108833.32	110781.821	7877.965	81742.5721	125731.625	84212.7588	112115.765	158085.232	101475.575	98876.998	87806.4807
Q12DWD2	Mst1	Protein mistah homolog 1	135.72	3.22	61230	2	0.04731231	6039.3528	8156.9688	8131.7104	19096.861	11887.495	8145.58409	9783.96268	13304.7321	971919.13009	7899.949	14142.3493	10396.2105	14915.2837	10169.9183	12345.5924	11879.4548	13489.7334	11300.4172
P02802	Mt1	Metallothionein-1	108.88	5.74	6018	2	24772.9897	16344.9622	20009.9099	5924.6228	10213.2115	20572.6068	20823.6603	21087.5798	26639.1569	36007.9659	48268.5502	49376.5622	40708.5793	32858.1254	22985.8369	32903.3936	40541.0291	37770.7382	45776.6863
P01798	Mt2	Metallothionein-2	66.51	19.67	10175	1	12727.9494	8606.55211	11457.9665	5012.5121	10901.095	13083.7661	12152.5764	16508.427	15545.7026	14268.3915	24445.6748	18222.5283	14683.8916	13666.8769	18108.3901	14906.7155	16641.6019	20472.4427	
Q8K480	Mta1	Metastasis-associated protein MTA1	219.03	8.53	80798	4	13028.9363	17797.7308	17408.8872	18223.8647	24134.6341	7179.26011	12526.4616	7752.38751	16645.674	14981.2473	13374.5019	14143.4673	14758.5306	11511.1319	16702.4553	20616.4663	18043.7384	12383.0788	20998.2482
Q9R190	Mta2	Metastasis-associated protein MTA2	365.05	19.76	75030	11	52380.3382	14704.3911	16850.1237	22671.5411	23436.6594	141140.058	121397.167	15712.1642	181380.677	186563.944	182866.545	185846.748	17855.971	188330.991	215168.49	169579.823	201987.527	158432.176	
Q9Z4K8	Mta3	Metastasis-associated protein MTA3	182.6	7.28	67077	3	13028.9362	11610.1836	13722.6065	12540.4536	18773.1218	7179.26011	10104.9019	4901.3881	12945.9309	14981.2473	9456.35399	11492.8164	10994.3552	7446.50813	13083.0416	17117.9936	18043.7384	9143.46081	17708.0848
Q9C0C5	Mtap	Methyl-5'-thiodenosine phosphorylase	475.25	35.34	31062	6	58993.2285	17011.114	135542.934	54894.1528	174575.172	106939.403	188273.546	167006.527	174220.491	244575.387	236641.953	237683.478	21721.868	195489.729	220866.272	227700.028	187788.086	193812.168	164398.07
Q79175	Mth1	Sin3-related carrier homolog 1	207.68	10.5	41665	4	15932.2618	61141.0016	66593.2533	94134.8064	91951.1654	98928.092	72541.3765	4025.8473	94738.494	35425.4458	68033.1001	67955.0086	54790.9648	65950.6195	81564.1657	74364.9374	50616.5536	59847.2845	68897.6023
Q791V5	Mth2	Mitochondrial carrier homolog 2	403.88	44.22	33499	9	75117.3602	113650.173	142488.376	163409.229	197361.617	189958.468	162820.056	176808.922	17985.29	85458.9329	148774.849	106416.577	106414.962	143109.991	157411.302	134009.664	111679.741	118473.78	136093.714
P00405	Mtc2	Cytochrome c oxidase subunit 2	629.18	27.25	25976	11	450538.348	321695.48	419587.041	381769.224	396260.896	479436.462	456569.879	558909.46	502469.65	527273.665	352730.834	354683.046	287415.016	358084.258	421705.194	407387.371	344251.783	38013.263	419150.90
Q80WJ7	Mdh	Protein LYRIC	398.5	18.89	63846	7	101940.438	124795.985	14219.148	145153.343	124933.973	107694.93	103584.424	12694.029	118833.879	105437.085	103208.068	187084.411	96739.260	102999.045	116768.013	125487.321	124298.926	113141.781	118284.192
Q922D8	Mthfd1	C-1-tetrahydrofolate synthase, cytoplasmic	1267.38	30.89	101200	25	203154.775	294696.265	263311.61	136060.922	149890.762	304425.56	334600.052	332296.915	39055.339	522969.37	338175.578	354693.116	411305.474	358846.625	38762.407	402510.197	281703.176	326388.533	292328.600
Q3V3R1	Mthfd12	C1-tetrahydrofolate synthase, mitochondrial	838.71	20.78	105729	14	194931.010	189002.703	172830.25	19291.409	110443.567	179372.633	155887.67	191890.304	21492.558	154782.745	202790.297	207644.103	173341.866	202617.555	282157.326	208699.369	149068.86	181517.371	197464.806
P18155	Mthfd2	Bifunctional methyl-tetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial	328.75	28.77	37863	7	53556.056	22670.245	20353.944	94510.4686	1079796.084	177828.486	160403.974	173271.159	156511.619	169943.245	167142.831	148059.078	167420.662	107963.164	108761.05	197581.282	129977.13	186683.217	192437.826
P03921	Mmd5	NADH-ubiquinone oxidoreductase chain 5	138.49	5.44	68475	2	8083.0341	9612.29214	13842.7363	27120.668	16257.0867	7300.85314	9803.48845	8352.46956	18159.21	7017.41963	9767.44095	10863.3768	8057.93107	21721.511	12898.9173	13489.3977	11830.1556	9092.20578	11054.9435
P62774	Mpn	Myotrophin	239.8	35.59	12861	3	0.04731231	50656.0765	78901.9279	53492.5412	39396.664	68147.6666	92794.9745	72485.6093	62799.022	122423.175	119667.392	7728.219	124909.567	80708.3948	5513.2238	11178.539	61290.312	9206.7624	23345.8223
Q9CZU3	Mtnx	Exosome RNA helicase MTRR	404.17	9.33	117636	8	9674.6167	95141.4645	70379.8121	81485.7234	72343.1296	84846.5064	91229.8608	72433.8753	84813.5273	94747.3003	84409.8897	87147.4027	86182.3322	74178.4766	56470.0724	77384.6243	83252.1654	89503.0688	81429.3108
Q8R154	Mts1	Nucleoside RNA suppressor protein 1	241.07	8.83	82408	5	0.04731231	24638.7576	36131.122	26795.4907	38066.1429	44503.9329	36428.9006	58099.3983	47806.791	43929.4575	3816.4126	54295.2714	43968.2511	49938.3017	44849.3053	47526.3439	41876.3994	39510.1921	44497.5604
P47802	Mtx1	Metaxin-1	76.79	7.26	35624	2	0.04731231	9199.3862	22276.4916	32583.5578	33061.9113	24452.3138	18530.0195	21242.2346	22462.3345	17340.8257	19634.355	22011.5374	18459.9289	13176.035	17552.1904	22156.6276	20031.5813	17058.6151	21462.1431
O88441	Mtx2	Metaxin-2	93.85	18.63	29758	2	0.04731231	17556.58063	7578.64069	11257.141	21328.2065	7642.8369	10854.2085	13458.5783	10423.8188	6577.979	13290.6771	11804.9084	10849.0807	23162.5069	31833.7178	13642.8796	10725.4893	8453.5021	145

Q70145	Ncf2	Neutrophil cytosol factor 2	518.48	29.14	59485	11	118320.967	3022441.802	241652.179	163430.345	150176.976	386553.304	367018.367	347427.627	325000.549	357697.681	358199.355	424086.952	352940.674	409888.613	364754.52	404931.149	307369.274	350259.05	373069.349
P97360	Ncf4	Neutrophil cytosol factor 4	670.34	50.74	38707	11	204699.182	187984.825	196551.728	174193.985	196485.722	222161.298	269272.566	244666.498	241263.406	259703.341	394949.896	266357.168	269800.167	209121.888	215330.086	276871.714	231406.394	232752.966	213932.632
Q8K1X4	Nckap1	Nck-associated protein 1-like	521.71	11.11	128905	10	36713.6083	51360.4701	62344.6096	64276.635	67449.4985	110142.325	94044.7258	91055.3799	120609.21	73617.5373	65332.7512	68052.3986	63582.1968	72744.5092	67065.9964	71533.5864	66813.7457	58993.2486	599949.649
P09405	Ncl	Nucleolin	2666.021	42.15	76723	40	6134896.32	4564538.25	400228.717	683804.297	5381979.75	2021046.09	3029297.83	2361481.64	2210480.84	4663475.48	9257213.01	4369663.58	4532046.1	452704.29	3833431.87	4720704.89	4054452.63	4622364.07	4417469.80
QX51A1	Ncln	Nicalin	188.83	6.22	62992	3	18558.387	44710.1992	48151.1735	62937.3112	47313.5306	61955.5293	35448.1349	48332.7982	46379.4080	31794.1723	30456.3997	33223.3154	29631.653	28782.7047	37000.3892	38109.1674	34804.4985	32653.9377	40280.3527
Q91W39	Ncoa5	Nucleo receptor coactivator 5	90.55	3.8	65319	2	0.04731231	11819.1613	16760.505	18375.579	0.03837823	12204.3317	12357.597	0.03837823	0.03727065	14579.3712	11011.0135	12376.3941	2701.60766	9406.30507	12840.4242	0.03808085	14759.6534	0.03434898	12447.7951
P57116	Nco2	Nucleolin 2	165.31	6.36	78492	10	94866.5021	28513.138	11276.327	11245.65	160794.599	105857.794	92046.5059	94520.7329	66632.202	86366.8238	106075.499	71501.0823	97678.9075	10097.8909	59767.1308	157305.351	844.3762	124759.95	9384.0126
Q8VBC1	Ndc1	Nucleoporin NDC1	90.29	2.67	78460	2	4549.7395	12597.0028	14401.877	23105.0177	18260.9963	9668.30483	7599.2521	8810.65174	8636.61506	1680.9124	10672.9477	9572.64299	8830.96274	10479.8787	15039.5239	5402.23581	7788.47549	10751.447	8930.1031
Q78P86	Ndc12	Nucleo distribution protein nudE-like 1	55.16	3.48	35349	1	0.04731231	2682.61817	3640.48878	5025778.71	1014.058486	5489.73407	4574.22656	9447.26778	5412.98346	5566.81019	6659.00834	5792.82831	4576.31999	5313.26161	5786.86186	6174.13042	0.03639196	1126.67	6397.49643
Q62433	Ndrp1	Protein NDRG1	343.89	26.14	43009	5	67669.283	31991.1227	63674.1382	30553.9999	35881.9254	101965.264	91057.3086	98849.2219	87586.305	76378.6168	82109.2722	74237.8211	73396.066	78608.807	58098.2836	67977.5246	60585.6813	63087.1278	53320.4598
Q91LC3	Ndufa10	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial	337.17	19.44	40603	6	82758.712	41397.515	43998.5121	35688.281	58644.428	41905.826	41957.801	45318.4408	61244.705	28193.092	32876.842	74227.827	19389.657	39906.7557	34665.5757	41771.683	42249.2572	34722.983	44241.2538
Q9DB84	Ndufa11	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 11	115.65	26.24	14982	2	35831.2483	5841.68782	13341.8249	2494.35099	6711.92179	6634.70174	3408.70884	5644.83418	6157.6878	3106.50818	4814.14226	13699.0657	3216.23338	5421.75857	5508.86789	5903.2106	5283.36838	4825.86891	26852.95509
Q7TMF3	Ndufa12	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12	119.76	17.93	17086	2	6759.21188	12672.3953	13051.5789	8483.11759	13297.3785	12575.736	12886.9986	14527.4096	9983.73049	6776.28826	15294.7041	15116.3661	10020.4378	14286.8458	16255.9147	14541.8205	7591.85756	7381.13473	14826.7971
Q9ERS2	Ndufa13	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13	147.52	13.89	16860	3	78108.4092	67148.7957	68266.6217	60575.9472	58273.5896	58512.6977	52199.0219	70945.3346	65453.257	52249.9156	51413.4716	54179.0398	45393.499	53867.7228	59523.0273	63821.6808	50453.6578	55702.2811	70114.1556
Q9CQ75	Ndufa2	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	75.5	14.14	10916	1	28407.139	24122.4925	27299.809	24710.1198	22659.1969	14835.5931	11425.7845	15282.1755	13809.7377	21666.402	19057.2482	19840.5191	18928.5259	17543.1573	22607.7826	23098.7308	22180.0552	21173.3934	22648.19
Q62425	Ndufa4	Cytochrome c oxidase subunit NDUF4A	359.61	68.29	9327	6	67.023.0073	92534.3198	1153560.86	120349.365	114553.921	121780.080	114542.576	152125.534	126095.311	94940.607	105025.967	123488.467	87223.523	131867.607	133207.58	137971.887	107800.951	11039.2549	120049.006
Q9CQZ5	Ndufa6	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 6	164.73	25.19	15283	3	4137.66585	44769.4031	78378.7364	79685.5862	85886.959	57631.3054	69331.1019	90648.0238	63882.5523	50610.1982	40235.06	34192.0723	47559.2755	46682.3656	57033.4624	47969.3792	33552.7836	66792.2581	42001.3924
Q9DCJ5	Ndufa8	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8	98.04	18.02	19992	2	18249.247	7781.24177	8420.59552	6105.45601	8467.51733	10687.3119	14329.6527	11045.2056	11208.6035	12516.0923	11363.8926	8017.93974	11405.3075	11759.2595	12816.08	12365.0744	7131.7716	8385.42015	13847.967
Q9DC69	Ndufa9	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial	36.92	23.61	42525	6	55894.2129	54413.8846	63855.9519	52406.672	83836.3357	49096.0999	45569.9757	54070.8142	7892.9453	32077.6735	46578.1027	53549.1915	35684.0969	62849.97	58413.6984	57419.0995	56482.4792	50827.4005	55510.5105
Q9CQZ6	Ndufb3	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3	41.01	10.58	11692	1	0.04731231	10031.11494	18242.672	15372.259	10257.7979	18506.7532	19099.6166	226348.8478	1731.7667	15270.964	14298.5741	12100.1413	14525.6351	11019.0508	10202.4286	19533.9991	12781.1986	10851.0583	14902.4106
Q9CQ7C	Ndufb4	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4	122.11	37.98	15081	3	0.04731231	34343.6721	39722.4707	57988.9859	37101.425	43477.8958	35417.9421	43044.4024	48711.4476	149252.6989	38939.9758	33538.4934	28631.1322	32862.8047	33932.3538	34581.8004	34582.5758	28916.3562	41060.0919
Q9CQH3	Ndufb5	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 5, mitochondrial	66.67	5.82	21710	1	0.04731231	23633.0137	19818.9529	13152.14	15121.5542	22449.4196	25644.8913	37060.0535	29053.2609	23539.6403	20120.4157	24288.848	22809.5561	18576.9899	27031.5072	34152.229	21463.765	26466.3655	29204.1268
Q9CQ54	Ndufb2	NADH dehydrogenase [ubiquinone] 1 subunit C2	37.52	10.83	14164	1	0.04731231	962.626057	5288.87379	7369.12768	8571.9423	6809.42441	5685.51746	6440.62136	5025.83679	5460.6431	4802.01226	5184.88749	6050.39076	8316.97284	5646.86887	7499.91814	5486.73392	5704.40219	8273.0821
Q91VD9	Ndufs1	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	703.16	25.45	79777	15	279441.269	211565.053	253276.968	217180.901	231794.262	203847.899	177319.862	200269.459	911920.402	187943.606	189190.703	172396.681	174897.25	150102.835	212987.977	229619.075	185744.119	191054.967	191146.754
Q91WD5	Ndufs2	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	338.61	16.41	52626	5	56440.1024	38061.9352	34261.8257	27607.6519	27308.1634	19149.8514	30126.4546	36549.6276	44467.0098	27835.2895	15221.6484	21876.7569	25897.2063	7622.3192	32541.8397	25586.8419	24580.6413	18159.9293	33137.4509
Q9DC7C	Ndufs3	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	389.09	30.42	30149	7	152440.681	92123.5636	100127.9151	99840.0359	95121.557	103624.64	97415.0334	104951.553	125838.33	77575.1228	96945.3106	99984.5834	71047.8483	9469.0642	117422.082	118209.086	87001.8083	86679.8811	111021.222
Q91D70	Ndufs7	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial	164.59	6.25	24683	2	1748.69438	16082.1392	22145.5569	18884.8391	28124.8125	19549.6095	22207.972	22499.5557	24616.8234	22879.903	22396.8784	22169.317	21629.4599	22203.6285	22726.5985	27424.44	19455.4009	22475.6966	23427.1474
Q91Y70	Ndufv1	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	609.27	31.47	50834	9	119997.207	111664.705	108465.772	144611.527	144345.446	126877.996	86365.2892	111284.47	124683.647	65712.0468	89674.1616	86859.3147	65656.7609	69966.0546	86836.3367	99746.9917	96253.5187	82006.4616	110372.754
Q9CR95	Ncap1	Adaptin ear-binding coat-associated protein 1	132.55	17.45	29639	1	0.04731231	22070.2286	19923.2609	15592.6081	11661.5314	35665.9645	25790.7971	22949.9887	24455.6138	27355.4984	28063.1317	23504.8698	25907.4061	32340.9133	22830.7231	30753.1947	17889.3289	27584.0041	26736.6430
Q9D1J1	Ncap2	Adaptin ear-binding coat-associated protein 2	264.57	26.32	28594	4	13846.3303	15789.294	21336.6869	11614.3197	9441.1064	17652.8749	14124.4203	10329.1859	22929.1688	21569.1988	16183.1349	22658.6562	16211.5366	23883.0639	16469.5783	17541.5694	20447.7846	17474.2024	17904.202
P22955	Ncd8	NEDD8	173.17	41.98	8972	3	38210.4129	30289.5007	24763.6789	8776.8136	9264.6242	26141.5965	42359.0984	31257.3199	18297.5388	47609.4932	32093.3978	30595.8097	28480.8553	40866.1441	47692.116	44980.8722	22338.9987	45439.8399	40963.1662
P16884	Nefh	Nucleofilament heavy polypeptide	82.43	15.9	115378	2	215178.348	121764.85	35040.8488	25656.9284	46109.3998	135373.97	520379.944	300887.458	820758.198	227680.953	32891.3025	107594.454	232256.043	181437.336	175852.414	249179.039	78922.063	159213.163	173856.76
DZ3B65	Nek7	Serine/threonine-protein kinase Nek7	60.98	7.95	34529	2	5452.31517	14547.7767	11176.7050	0.02587718	10691.0239	23600.1042	25455.8094	19415.9378	18484.6605	21781.7368	25513.012	18798.6677	6658.13193	17409.21	12479.6667	22820.1429	19538.5469	18915.7873	19037.4545
Q8K1R7	Nek9	Serine/threonine-protein kinase Nek9	179.81	5.39	107143	4	2667.39261	23097.5781	26323.2661	15204.5394	20735.7192	51040.7912	37750.2316	45362.8348	27342.1442	45455.5209	36097.81	46224.0996	35573.5217	36684.6721	34513.0251	52176.4667	20124.3015	36385.8344	28234.5183
Q8BG30	Nelfa	Negative elongation factor A	126.8	4.53	57585	2	4200.1																		

Q5604	Npe1	NPC intracellular cholesterol transporter 1	57.72	0.94	142885	1	0.04731231	520782825	69202888	940282913	86812818	174155304	189208606	172283234	214874444	67191258	129927859	766101323	733559564	1055092865	927687061	104363089	716683622	520602723	9913754092
Q6420	Npe2	NPC intracellular cholesterol transporter 2	125.65	24.83	160420	3	0.07757716	557037853	809928086	245972839	296326431	88614255	12886556	137764539	105649432	243391964	74566629	520054667	100950188	220974189	777854942	311101017	254210074	869784339	163877554
Q6NSR8	Npep11	Probable aminopeptidase NPEP11	286.72	11.83	55940	5	0.67588487	490665948	33183386	376191324	945548067	58730886	928882292	587921667	840632746	485659081	635555247	612371343	664603072	929671851	525320266	800603856	293569837	625235039	518332395
Q11011	Npepps	Puromycin-sensitive aminopeptidase	553.2	11.3	103325	10	3.96929537	115762287	11494432	658661683	48348483	202729328	147207096	142070665	17036665	147668162	191425581	183608029	167353443	153729949	11853019	149436341	138476846	12908285	163818714
Q60670	Nplc4	Nuclear pore localization protein 4	96.97	5.26	68017	2	3.79242533	694015286	824958241	61127433	935157773	102905857	128039077	119763906	15806437	115203509	13919144	159642985	837758111	121981817	148955199	8604010745	120328577	736731374	133347722
P13084	Nplm1	Nucleophosmin	1367.38	54.45	32560	20	246478581	19542514	174331544	264609355	271252384	155442837	182401909	178791759	55687874	271929049	198459983	189029256	233486431	202730104	18520991	24087315	232456047	233833616	189708460
Q0C190	Nplm3	Nucleophosmin-3	196.37	21.4	19023	3	855417416	476341677	436176687	83270404	608288729	112324121	846303535	253003673	319234188	607633788	607674908	494583566	499883966	616503273	729483776	545232513	49185633	505217166	484802131
P97300	Np1n	Neurospatin	130.73	8.56	44373	3	236340389	662204544	806887959	816852261	744394452	576993283	604747513	591173665	622603937	599698667	52545648	519291963	541863409	557611776	699035085	78026165	716410987	598823205	631973977
Q8B1G1	Nrd1	Nardilysin	339.35	7.24	142831	6	108687468	442544448	883793943	95094891	145102197	225914527	620947549	491703803	524013540	511763962	71183901	623775098	34649555	565670788	685399708	53619102	789634684	628874215	
P97333	Nrp1	Neuropilin-1	110.54	3.79	103000	3	537747927	792374423	725456151	173953437	694141779	642724026	816379651	128939877	105453316	115567086	105886632	926341415	765684128	86295652	980522402	16197372	131183895	119180827	135336329
O53276	Nrp2	Neuropilin-2	35.25	1.08	103897	1	0.04731231	03111494	030702004	676875997	643774433	447742229	557062507	378330373	443073360	113633544	030500571	403539652	369710034	548747296	030488812	407382172	43525623	308043026	491792703
Q8YCR4	Nsa2	Ribosome biogenesis protein NSA2 homolog	86.56	10.38	30036	2	28395501	75933067	756830953	318924666	116133945	957117835	512015183	416348468	638069211	55693212	521220202	503503988	319574049	49455788	710754549	117161208	63315856	475907868	61861894
Q8BVC7	Nsd2	Histone-lysine-N-methyltransferase NSD2	42.89	0.95	152253	1	0.04731231	593737155	54730653	103592776	810728331	030665024	510287558	287572878	30703378	40912304	525878964	030545808	030267024	030502376	534040291	467746849	36001542	635344391	030502818
Q9R110	Nsdh	Sterol-4-alpha-carboxylate 3-dehydrogenase, deacetylating	96.75	8.29	40866	2	23894774	189771679	194254526	132314317	699471618	219742081	22163061	221414653	258275931	217493323	32660588	211030194	177094952	257870345	31841622	348779468	212626922	2169585	326947281
P44640	Nsf	Vesicle-fusing ATPase	1002.63	26.75	81626	17	209491715	229771619	171802641	207564260	215742439	227796114	275603928	265543373	277675567	260074911	260407484	213358953	231858141	224129834	233911989	260025543	196827486	248603905	325243238
Q9CZ44	Nsf1c	NSFL1 cofactor p47	104.82	54.32	40710	17	445876507	501685352	437433858	177068008	232565044	48426364	615984681	480301784	460776405	594935884	478406185	490713639	535900529	458774745	472005565	494907148	452494899	511232431	411990580
Q1HFZ0	Nsf2	RNA (cytosine-34-C(5))-methyltransferase	493	18.49	85452	10	218022492	349372985	394272092	303030074	151227323	470277447	636819251	752563908	642514927	821874759	673992081	776759028	749898181	628915082	689519306	872244423	651593888	628340531	63051097
Q9JM14	Nsf5c	5'(3')-deoxynucleotidase, cytosolic type	235.2	20	23076	4	110224400	186297199	238004498	21686408	218186892	258331756	272020877	256766434	332515739	35271181	383218888	34902293	323068797	406698841	373841367	317308458	267501850	298414215	342614803
Q3V114	Nsf6c	Cytosolic purine 5'-nucleotidase	252.59	10.18	64809	5	727964285	372919492	319601555	650011272	133510081	429612741	450026077	379695383	493108868	561349231	391020741	44894466	488640295	455466543	490941564	469353987	352511664	576309894	490050873
Q3UFY7	Nsf3c	7-methylguanine phosphate-specific 5'-nucleotidase	74.92	6.67	34425	2	0.04731231	893035886	990597989	44543554	526257445	951634489	123501466	030387823	105875524	121481805	165353217	104013093	162435727	128865007	143701571	154013795	122352587	104294009	136277745
Q6Q0N3	Nsf5	5'-nucleotidase domain-containing protein	99.06	3.8	63653	2	0.04731231	151924713	128143121	198075460	217983107	218930410	219567766	122501110	258883629	158174626	152941352	144024687	123459368	127765335	155164643	139784412	136964325	951164876	210507793
Q5BJX0	Ntm1	N-terminal Xaa-Pro-Lys-N-methyltransferase 1	53.32	2.14	25464	1	0.04731231	456873666	263119135	319979269	121672649	4458993259	448020718	350177925	681105236	660595678	599599661	462329175	858412045	393023581	677651304	412235129	564861876	673975803	
Q9R060	Nubp1	Cytosolic Fe-S cluster assembly factor NUBP1	42.26	5.62	34085	1	0.04731231	03111494	030702004	986073761	102510227	030665024	853646017	030372605	681016539	702639508	836513585	030520760	030502376	991415677	74957416	030396139	60344898	891873027	
Q82819	Nub1	Nucleobindin-1	304.41	13.94	53409	5	510579007	515983205	52671653	278627285	232003673	546766432	48382153	522094794	592390559	431738945	507194441	402765965	404637897	465157137	41051188	48358294	481345238	397917293	475259737
P81117	Nucb2	Nucleobindin-2	94.36	5.95	50304	2	187016428	101614115	806650233	030257718	102510227	030665024	182334706	182258448	144825759	118487512	131392802	960887121	157213842	138764363	115548868	142886672	802403745	112470624	133082952
Q80XU3	Nucks1	Nuclear ubiquitin casein and cyclin-dependent kinase substrate 1	103.66	10.26	26313	2	552529648	417863685	402225448	284892313	306725154	417938816	402129379	429119999	268842580	588025602	463010763	507398765	517030883	395401707	307600859	429323876	510421959	4583782	38695397
O53685	Nude	Nuclear migration protein nudC	992.58	54.22	38358	19	739599832	618264664	541921347	254542567	329511048	627487192	885675312	781439657	582109188	922039310	762710753	733989069	869698152	146054312	665841023	860147164	743058359	557538192	594498363
Q6P1P5	Nudc1	NuA domain-containing protein 1	179.93	12.03	66705	5	107233327	38946045	419689079	490439296	683085798	533838545	464352299	476601129	462846930	642364228	452652881	527622502	605933871	456636775	420727995	510599004	619542107	556869707	34069885
Q5M423	Nudc2	NuA domain-containing protein 2	356.7	43.95	17674	6	422896012	55416942	675769849	249753154	364242451	76676848	716542012	60044402	628986466	863497145	850813517	848708522	820021393	73927224	69791902	740282247	750452092	86605732	810630917
Q8R1N4	Nudc3	NuA domain-containing protein 3	40.24	3.31	40890	1	0.04731231	143644200	158148144	708549151	495121668	262229325	171252795	116470573	145661164	647261260	122038665	153820148	148184731	17176797	188947923	162491363	168752471	212941022	162370733
Q6P3D0	Nud16	Bis(snoRNA)-deacetylase	115.72	11.79	21825	2	0.04731231	983181347	405239463	262892736	333917960	100395362	872643158	719921314	500926999	705508083	141310948	100476958	125429326	104763424	107864612	131525219	666313195	112533053	810948396
P56380	Nud2	Bis(S-nucleosyl)-tetraphosphates [asymmetrical]	58.76	5.44	16989	2	0.04731231	127114134	819950757	265947322	551174166	182092519	155930732	153758167	112205760	241990228	148582848	854180183	118232401	107558101	145761596	117369751	757957423	109949748	113134794
Q4KM65	Nud21	Cleavage and polyadenylation specificity factor subunit 5	384.5	36.12	26240	7	881052589	142014424	12203631	110618665	126709984	136311208	132002129	124239676	144290126	161044577	177440407	143624614	164868609	155557559	14255341	160556956	139414639	174637974	156461658
Q566C7	Nud3	Diphosphorylated polyphosphate phosphohydrolase 1	62.93	8.33	19096	1	0.04731231	445682497	451671939	567605551	102510227	030665024	796663564	500234208	498829127	303579443	404009804	281071082	831570611	662874159	5487699	568578283	5		

P5080	Pa2g4	Proliferation-associated protein 2G4	1172.82	61.17	43699	20	732551.9	686129.608	561609.901	368333.144	486336.025	663906.239	901098.632	702011.828	710234.958	914911.386	675788.626	685980.036	845086.621	566276.725	766319.045	790128.616	681688.161	757005.105	625295.802	
P2931	Pabp1	Polyadenylate-binding protein 1	1989.39	60.22	70741	33	1798737.23	1979986.94	174081.713	991131.808	1062627.772	1981876.37	1988844.27	1932329.448	1838181.31	2320810.85	2056453.38	2013289.45	2154466.65	2149435.63	2407873.88	2443372.06	1951061.4	2330842.62	2101678.43	
Q8CC6	Pabp1	Polyadenylate-binding protein 1	294.72	28.48	32297	4	72637.154	78282.871	160926.287	203847.788	144392.788	127030.324	114456.592	995366.642	1029644.71	153024.755	117694.505	118335.699	122553.325	105593.9	146237.77	138636.105	98979.816	123697.342	119986.112	
Q9QY17	Pacsin2	Protein kinase C and casein kinase substrate in neurons 2 protein	1624.127	8.4	55978	4	10224.1307	38284.832	229293.5148	2426.05297	11425.7525	47529.0526	68055.7682	59033.616	25935.1609	72526.8888	26951.7772	51249.9543	61461.3253	21355.1078	36210.5852	49162.5444	51022.978	53449.7822	21059.4824	
Q4V886	Par1	RNA polymerase II-associated factor 1 homolog	70.45	2.62	60546	1	1970.54751	5735.37833	3971.24818	7579.61578	5883.62181	0.03665024	0.03877705	0.03837823	0.03727605	0.03794434	0.03500571	5419.67529	4984.04317	0.03502736	6416.98269	6200.45821	7958.72341	5523.68464	0.03500218	
P63004	Pafla1h1	Platelet-activating factor acetylhydrolase IB subunit alpha	395.36	22.68	46670	8	114566.541	138939.518	129059.938	4021.1475	40084.3152	127530.514	132746.745	126149.194	157372.262	145851.093	129520.326	156029.867	118990.375	124816.43	108804.725	135624.378	164587.058	138786.768	114776.536	
O35264	Pafla1b2	Platelet-activating factor acetylhydrolase IB subunit alpha	801.13	12.23	25581	2	81551.1134	73134.5198	57214.9173	37609.4888	15463.9805	79515.4363	6427.8041	47786.983	54472.1907	48895.9593	112064.007	53582.586	92893.4601	107518.155	60440.8907	58678.3801	57044.2443	54663.6135		
O35263	Pafla1b3	Platelet-activating factor acetylhydrolase IB subunit gamma	65.54	3.88	25863	1	12112.5367	14953.4027	12504.6275	8306.57944	5790.3242	26360.0205	21877.5211	17280.7001	21089.7944	18129.6001	23869.3651	19921.3014	16308.7393	22983.3451	23248.6446	15859.4574	12029.3339	13564.73	14420.6995	
Q9DCL9	Paics	Multifunctional protein ADE2	593.84	32.71	47006	12	79856.8831	245448.511	271314.322	237519.175	26058.237	397563.071	342135.249	404776.374	360190.294	345597.61	329856.18	328061.65	27316.827	326009.767	375373.654	358331.835	285159.341	316534.257	295447.602	
Q9DCE5	Pak1ip1	p21-activated protein kinase-interacting protein 1	305.75	15.97	42116	6	13841.9894	75686.1064	86541.6248	6480.3376	93171.6189	85438.9941	66196.1614	68131.1382	68659.6652	88551.521	85021.7844	76461.9335	91133.1867	117.25	906.95233	7945	99485.7077	87941.9105	90328.5846	66647.0637
Q8C1N4	Pak2	Serine/threonine-protein kinase PAK 2	936.55	36.45	57930	14	38152.7662	175644.327	181964.228	115514.744	111210.349	215839.802	217904.992	220660.227	170137.006	2351.0765	2565.49296	2407.0767	2985.8769	6260.87243	3159.48793	3667.2486	1198.17662	1661.06717	2920.33174	
Q61036	Pak3	Serine/threonine-protein kinase PAK 3	417.75	13.95	62398	7	14041.7879	88587.428	90419.2152	68025.1598	57920.476	112217.828	102220.053	94892.7331	67796.8216	121345.507	11043.609	91982.8652	112703.891	89232.1283	95779.9157	106988.024	124371.96	98458.4307	95444.7704	
Q8C0L6	Paox	Perioxin-N(1)-acetyl-spermine/spermidine oxidase	82.37	3.17	55447	1	40473.2321	7694.19149	4768.06812	1025778.711	5015.10962	15094.4491	7340.1659	8851.4423	10556.6199	10785.3927	9897.47402	9929.48316	9475.78361	10730.141	13080.3924	10929.0527	8357.01357	10821.5096	9525.19047	
Q61183	Papola	Poly(A) polymerase alpha	94.89	2.84	82309	2	0.04731231	0.03111494	4480.21287	2297.79207	4424.17545	9035.75621	7632.30252	6711.102	6948.42364	5041.90849	6099.24043	5544.28278	10884.8015	0.03502736	5895.89864	5312.1313	6842.28897	7138.93473	7749.59459	
Q60967	Paps1	Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1	370.69	16.67	70074	6	17723.0881	28716.0541	32306.0907	33775.3217	4366.89244	36728.3584	31751.722	27148.1474	32660.224	21258.361	12952.236	2191.8094	27236.3212	34093.3274	34293.4895	27163.0014	15726.6655	20547.8727	17639.2574	
Q991X0	Parf7	Protein/nucleic acid deglycase DJ-1	862.06	85.71	20291	14	850246.251	729243.284	776149.23	246058.231	499465.114	702625.521	141303.949	629349.099	519251.972	1010660.98	1031668.89	918954.544	1002646.86	940766.225	876595.216	936957.982	617697.910			
P19110	Parp1	Poly [ADP-ribose] polymerase 1	976.93	25.77	113100	18	178634.328	174549.735	164965.416	148925.343	173837.5	210839.866	259778.974	21475.064	217363.619	360625.511	248444.245	289343.602	277931.558	266863.31	245116.292	225405.681	233515.84	232892.339	256220.255	
O88554	Parp2	Poly [ADP-ribose] polymerase 2	36.22	2.33	63117	10	0.04731231	3323.53811	3035.55965	0.02587718	2594.09708	6334.9664	2007.40601	1966.30564	2345.3064	2355.49296	0.03500571	2407.0767	2985.8769	6260.87243	3159.48793	3667.2486	1198.17662	1661.06717	2920.33174	
Q9D0B6	Pbd1	Protein PBD1	153.66	19.19	22223	3	0.04731231	12628.0888	15245.6764	18201.6611	6798.54972	24752.9877	33355.3471	27415.9142	29030.9591	27798.4125	21291.1903	16686.5785	28465.999	23424.1081	42642.4911	22070.5083	3515.4022	12723.2962	14478.10231	
Q9J7H8	Pbk	Lymphokine-activated killer T-cell-originated protein kinase	54.25	3.94	36745	1	0.04731231	7065.5270	8119.30692	2211.2061	9607.76453	7355.58165	30229.57411	7745.1394	59562.64833	10319.7886	8817.44474	12505.8703	7554.24852	9501.00257	9516.56946	7419.84641	7247.67485	6046.04131	6918.71348	
Q8B5Q9	Pbrm1	Protein polybromo-1	45.3	0.61	187188	1	0.04731231	4087.02211	3668.57231	16090.6567	7718.8966	2713.97437	2236.41902	2103.41366	2996.65766	4487.30545	0.03500571	3753.49965	4779.578	2580.73763	3735.88088	0.03808805	5472.58227	5999.21144	3835.70423	
A2V21D	Pbxip1	Pre-B-cell leukemia transcription factor-interacting protein 1	61.13	2.49	80276	1	0.04731231	2047.00131	2604.28239	2605.47523	2091.82203	3352.78057	4234.00062	1904.47526	1905.10429	4142.51111	2408.94782	4429.20068	3888.84855	4554.85202	3135.18527	2725.91225	6635.23081			
P60335	Pcbp1	Poly(C)-binding protein 1	1292.53	65.73	37498	17	1666228.257	9220.8033	1189677.73	73574.6733	809662.752	1453131.47	126320.208	1270334.48	12835447.47	1450900.03	127092.59	125859.117	128256.598	1137915.15	1433113.68	1447487.9	1335476.33	1292574.3	1343056.83	
Q61990	Pcbp2	Poly(C)-binding protein 2	955.25	46.96	38222	13	1051893.51	7210.385	107035.268	64435.685	714812.266	1070358.46	910439.869	9600.548	942844.182	991369.238	853460.509	912751.255	91672.011	817800.571	1056256.54	1045654.53	1134620.94	963787.423	1014077.28	
P14882	Pcca	Propionyl-CoA carboxylase alpha chain, mitochondrial	41.72	2.04	81623	1	9251.50186	3482.99209	6659.02644	4672.45593	0.02510227	0.03665024	5136.39387	0.03837823	6090.42321	0.03794434	1303.72242	0.03545808	0.03620746	0.03502736	3465.70918	0.03808805	5608.8893	0.03434898	0.03500218	
P07633	Pccb	Propionyl-CoA carboxylase beta chain, mitochondrial	94.66	2.96	58626	1	0.04731231	8895.73924	8024.35274	8164.57284	0.02510227	7733.08825	6586.81249	8742.8516	6999.799	5491.15528	5959.25172	6060.88641	6629.9971	5628.54606	7629.65075	9278.52759	5998.84194	6997.96273	6706.62794	
Q8BHQ4	Pck2	Phosphoenolpyruvate carboxykinase (GTP), mitochondrial	791.3	35.94	70528	14	2744334.69	294673.116	262832.006	16399.889	124941.002	306019.925	276980.746	266502.978	291307.587	227467.193	245204.944	228225.515	218502.186	228167.36	283601.903	279286.401	253607.684	236885.046	250222.911	
Q9CQX4	Pek1	PCNA-associated factor	42.71	14.55	11993	4	8097.57295	4130.90028	6035.26377	7315.43977	8600.84995	4883.21554	5386.85543	6105.08885	4455.00936	4928.27104	7038.38838	10599.2696	7273.44842	8584.47507	7182.24878	6877.66251	7095.01638	6677.25675	6765.21037	
P17918	Pena	Proteolytic nuclear actin regulator	1734.93	66.67	28785	22	999126.846	1288987.251	1109563.61	173905.951	874632.498	1555404.41	1706229.859	1577480.66	1419372.46	1479030.732	1549054.77	1660044.41	1718951.19	1381776.08	1515955.81	1645890.61	1389133.69	1380145.04	136480.514	
Q6P8H4	Pemp	PEST interfering signal-containing nuclear protein	174.26	35.96	18963	5	116625.589	104042.695	113541.863	94053.167	99788.4267	103543.021	162166.886	105878.08	1129420.34	117533.457	10111.659	105713.905	105148.32	88539.287	108256.356	126962.068	107224.952	100826.758		
Q9CQV9	Peyo1	Prolyl-4-hydroxylase	375.63	21.98	56495	6	1800.68518	62951.6387	60567.6755	77100.887	64984.7568	64392.715	63406.4772	64429.08	8953.5037	49254.352	66102.4917	65805.5608	81388.4896	57223.5117	66627.5574	56155.2286	45347.3084	50135.642	61681.9639	
Q8C7K6	Peyox11	Prolyl-4-hydroxylase	45.75	4.85	54875	1	0.04731231	5044.1928	4427.82288	4441.72882	3182.591	574.022414	1172.88758	675.87148	2154.72148	2073.28434	2572.39905	2301.05484	2315.29305	4370.80048	4142.98637	3763.33864	6205.3282	2625.09988	3590.19591	
Q9Z2E4	Pcy2	Ethanolamine-phosphate cytidylyltransferase	127.31	7.18	45255	3</																				

Q9DCD0	Pgd	6-phosphogluconate dehydrogenase, decarboxylating	1873.08	56.52	53247	26	1685896.42	1793660.45	1688480.39	823828.95	1086274.36	2055485.29	2387460.21	2144995.97	2020308.98	2618250.79	2181558.17	2081038.63	2548470.37	2134321.2	1907018.17	2537349.74	1979841.77	2054045.29	1856489.83		
P09411	Pgk1	Phosphoglycerate kinase 1	2549.8	77.94	44550	37	1093396.9	7691533.12	246654.92	3594954.21	4600876.59	8738997.3	9711941.84	8430079.18	6588889.05	11366109.7	1056501.55	10462362.8	10561821	10225426.2	9315752.87	9612901.02	8977572.87	9113179.75	8870173.75	806104.25	
Q9C060	Pgls	6-phosphogluconolactonase	786.36	87.16	27254	13	140459.748	371820.815	286544.883	17121.095	157776.39	372119.304	33379.258	313550.47	300083.894	42922.487	447290.278	36670.991	414164.415	383877.479	391946.253	410686.558	299970.446	405784.936	306014.025	104239.019	
Q9D949	Pgml1	Phosphoglucomutase-1	431.85	17.08	61418	7	52171.7982	66149.235	66865.964	23574.8115	34380.2741	74123.3711	99572.624	88367.8674	89773.6663	91924.885	87473.8955	89495.0167	99554.6622	74302.2243	81040.5212	95879.2269	93987.9121	82350.0115	66607.1471	104239.019	
Q7S3V4	Pgn2	Phosphoglucomutase-2	95.08	3.23	68748	2	0.04731231	1124.2645	10368.4038	0.02587718	9318.88755	1725.1487	1833.6651	10419.8473	20257.5336	16974.5704	15720.1253	0.03545808	0.03262746	8973.79818	11576.4514	15556.073	18040.2491	17474.2903	1038208.02	104239.019	
Q9C9V6	Pgn3	Phosphoacetylglucosamine mutase	43.72	14.88	59453	1	0.04731231	0.03111494	0.030700204	2014.793511	4209.25707	4219.66248	5458.5288	2382.25614	4174.4289	3309.24462	4064.82636	3850.551	4775.61828	0.03488812	4274.63865	2265.12219	2045.70914	1660.1261	104239.019	104239.019	
Q9C8P8	Pgp	Glycerol-3-phosphate phosphatase	436.34	35.2	34541	8	57934.0124	95225.7158	89123.5432	14071.6444	27702.1153	10993.241	12759.3447	114368.041	113613.938	145621.814	132562.514	132538.433	135726.388	118133.669	119498.414	132600.225	127217.118	117421.723	112916.022	104239.019	
OS5022	Pgrmc1	Membrane-associated progesterone receptor component 2	263.57	22.05	21694	4	48269.3434	32708.9746	31895.1363	48892.5066	33752.55	30159.8734	20695.0367	32098.3474	37889.9447	28664.2265	33229.8689	34860.273	32988.8994	33821.8494	25278.6013	36942.6212	32054.7342	27246.2399	373660.6282	104239.019	
Q80U19	Pgrmc2	Membrane-associated progesterone receptor component 2	3929.738	32.93	29292.0435	55412.149	6725.6736	35683.5793	35063.2619	41346.0073	37979.955	3017.3608	43329.3232	34125.4442	30063.8635	35120.8152	35461.0662	39506.3775	30054.8393	30027.6445	3571.7048						
Q8BHF7	Pgs1	CDP-diacetylglucosyl-glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial	105.02	4.16	62489	2	0.04731231	7789.80911	7451.36248	8016.67582	9486.24438	6505.65864	11157.8643	12717.0328	12623.7983	7592.51301	8750.82378	8574.61331	8301.73293	7454.25066	807.34939	8820.04979	4384.53558	58213.1531	10420.1198	104239.019	
Q63068	Phax	Phosphorylated adapter RNA export protein	46.11	2.86	43166	1	0.04731231	8011.33398	5049.75866	4723.72186	5846.89179	4469.93524	7442.1162	6325.48654	4801.74233	12453.2883	9933.63054	13072.1048	7361.44432	9017.39243	9644.24586	12018.8423	6823.15903	6690.30438	10380.6636	104239.019	
P67778	Pbh	Prohibitin	1327.79	83.46	29820	20	21166.119	1270667.27	1609766.72	1870083.53	1744827.724	1641729.48	1544537.84	13627919.65	10071173.25	13627919.65	10071173.25	13627919.65	10071173.25	13627919.65	10071173.25	13627919.65	10071173.25	13627919.65	10071173.25	13627919.65	10071173.25
Q35129	Pbh2	Prohibitin-2	1314.53	74.25	32306	22	1667962.97	1213602.09	1453223.22	16328.6661	16381.5659	1538780.8	1259587.29	1462833.85	1499464.35	965420.468	1128020.55	1078296.51	966021.79	111936.64	1301905.65	1459904.61	1183663.63	1159163.75	1342105.35	104239.019	
Q4V7A6	Phf10	PHD finger protein 10	39.26	2.41	55884	1	0.04731231	5028.00574	3015.42057	2704.6437	2274.52711	12119.0209	5092.77938	7598.85904	6538.32732	5513.5699	8064.34497	7804.00006	3279.13334	3638.77683	6898.30564	4703.09488	5507.34373	8880.96553	7831.95245	104239.019	
PK870	Phf5a	PHD finger-like domain-containing protein 5A	325.43	47.25	12405	5	54946.8843	59828.6161	66989.3317	81439.2058	12503.15895	31468.508	23587.254	57137.3471	32019.6758	33795.8924	44872.7769	20754.7609	40963.7889	49586.384	68743.9709	5233.5583	31969.3735	104239.019	104239.019	104239.019	
Q9DAK9	Phf14	14 kDa phosphohistidine phosphatase	42.81	19.35	13997	1	0.04731231	2106.8655	3309.1009	0.02587718	9298.81012	2418.09513	3648.0032	3504.75623	3717.73723	6459.64799	6105.14146	4534.29362	8157.10634	992.439051	4389.4604	5172.27847	4603.4954	5764.62509	104239.019		
Q2TBE6	P4k2a	Phosphatidylinositol 4-kinase type 2-alpha	64.34	1.88	54258	1	23899.4600	7159.67615	8596.23419	17197.2749	15069.4277	13372.7194	11391.5482	8212.52698	17816.6792	9166.3908	25001.4906	14721.4917	7163.70234	9355.31257	14169.931	8689.72202	3613.85303	10034.0238	10966.618	104239.019	
Q7M6Y3	Picalm	Phosphatidylinositol-binding clathrin assembly protein	541.26	21.97	71543	10	158683.966	95363.695	101245.444	40712.564	99015.6408	11717.7083	13240.2337	125751.078	132407.897	119194.308	115630.989	119795.42	112030.921	7945.1966	97368.5638	136043.28	130019.255	114676.621	104239.019	104239.019	
Q9CXY9	Pigk	GP1-anchoy transaminase	111.1	5.57	44895	2	4451.19334	16740.4263	15919.6478	39531.9693	32651.417	23709.073	14260.8685	16366.3938	23292.814	15130.7622	15499.8835	19900.3099	13212.4324	17855.3613	11565.5991	20546.8769	20521.4786	15745.8378	20776.9689	104239.019	
Q9PD26	Pigs	GP1 transaminase component PIG-S	289.1	12.07	61711	6	33207.601	39901.1667	48419.398	80324.1186	62043.2079	55287.4449	47449.5939	48789.1825	5702.3859	38929.6205	30405.1512	29613.9179	31958.926	32741.7516	53446.3449	23038.1779	28616.699	31625.6708	23491.262	104239.019	
Q9BXQ2	Pigt	GP1 transaminase component PIG-T	183.99	7.9	65705	4	44589.3965	11633.942	61885.4415	61410.2922	113897.923	9113.0441	11264.009	133888.29	124318.639	3404.5113	115660.831	116855.856	112418.522	126745.399	64264.8727	7966.2553	81846.5206	8621.5457	111961.684	104239.019	
Q9CQJ2	Pih1d1	PIH1 domain-containing protein 1	83.14	10.69	32209	2	0.04731231	4680.17282	10373.3561	8702.79145	11613.7629	4083.07509	6228.55615	11766.5475	2493.2325	7668.8747	13771.48	12195.0294	16394.1255	14082.0005	13221.8866	14046.1973	11489.8041	12839.9867	15755.906	104239.019	
Q9EQ32	Pik3ap1	Phosphoinositide 3-kinase adapter protein 1	207.3	6.04	90928	4	42350.3767	34030.6052	20644.0413	2835.87654	12366.8068	19293.9059	30618.8068	28118.8068	19929.3909	30618.8068	28118.8068	19929.3909	30618.8068	28118.8068	19929.3909	30618.8068	28118.8068	19929.3909	30618.8068	104239.019	
P26450	Pik3r1	Phosphatidylinositol 3-kinase regulatory subunit alpha	48.96	1.66	83517	1	0.04731231	4307.74783	3716.31843	0.02587718	3457.86707	4848.05257	4902.13646	5963.99601	6609.44482	4346.31848	5223.60611	4842.73193	5009.59369	6963.81601	5444.89772	4439.78632	3381.86194	4880.60676	4049.13931	104239.019	
Q9CQR7	Pin1	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	134.52	20.61	18370	2	0.04731231	38339.9861	26525.4443	22536.3958	21235.6984	27400.555	36889.8682	24733.1424	31783.7859	46890.1841	44220.12227	43944.1186	46396.3281	35294.1303	49468.157	40895.0438	44189.3779	39233.7644	39912.126	104239.019	
Q9CWW6	Pin4	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4	138.04	40.16	13815	3	23091.788	32457.5843	31593.6615	43694.2591	41687.7447	36072.7385	29556.4146	22626.7747	33596.1575	46960.1818	37821.3684	35577.7297	37975.8231	31508.1971	34389.1287	35732.8783	34855.7102	34778.8473	25552.6249	104239.019	
O88377	Pip4k2b	Phosphatidylinositol 5-phosphate 4-kinase type-2 beta	62.76	3.37	47264	1	0.04731231	0.03111494	0.030700204	0.02587718	0.02510277	8932.53356	4909.83703	4878.98849	4007.027605	2929.87626	4461.10568	6601.9446	6383.36654	8577.8397	0.0388812	0.03808805	2229.17542	0.03434898	0.0262.647	104239.019	
Q4V888	Pip4p2	Type 2 phosphatidylinositol 4,5-bisphosphate 4-phosphatase	44.37	3.89	28024	1	0.04731231	0.03111494	12226.4392	20041.8354	16103.282	10669.807	0.03877705	14316.1555	12821.5109	2815.5029	10975.012	9388.41167	8766.63964	9670.48932	8848.94773	8349.51256	11357.9777	11086.5443	12713.08	104239.019	
P16446	Pitpa	Phosphatidylinositol transfer protein alpha isoform	271.48	28.78	31907	5	13928.1046	6292.8991	84765.727	46044.7388	36285.3933	106819.707	134492.876	102902.731	93667.1193	117491.756	28019.6634	6538.8168	11618.823	98221.748	68723.2782	108284.741	102634.447	87467.1941	78680.922	104239.019	
P53811	Pitpb	Phosphatidylinositol transfer protein beta isoform	261.21	27.68	31487	6	16981.5049	69992.8163	61717.9388	24580.0398	39450.5816	81338.8039	94793.6658	30814.2111	68006.073	99148.5847	73875.6478	89173.8454	82066.2716	81190.8751	97795.3793	83196.8339	77239.6643	79399.7142	104239.019		
Q8R807	Pitd	Presequence protease, mitochondrial	253.68	9.46	61732	6	0.04731231	27897.6552	32773.1186	20552.1488	7362.86551	26558.9166	4004.3318	37499.426	43954.962	20007.2815	14858.2466	2382.1768	2850.1526	19894.961	24873.901	248480.722	2900				

Q8K202	Po1c2	DNA-directed RNA polymerase I subunit RPA49	115.42	4.56	54034	2	9227.60748	8964.72403	8468.31323	15148.2063	13247.0641	1870.74424	1878.79377	2371.32212	2612.16437	2479.2665	8481.71199	2694.52942	2513.35909	4452.52598	7703.63381	9473.53953	8145.90008	10849.8905	1817.53219
OR0875	Po1c2a	DNA-directed RNA polymerase II subunit RPB1	413.27	6.35	217176	9	0.04731231	15838.2077	16058.8346	16203.6589	14759.0397	18813.3508	14073.0019	138959.9499	14199.5729	37708.2523	15291.4825	13989.9827	14321.778	14981.5399	13224.7985	15201.6399	11983.2842	16211.7634	15182.2059
Q8CF17	Po1b2b	DNA-directed RNA polymerase II subunit RPB2	271.56	4.51	133911	7	25380.3928	48220.9661	198570.0064	64984.3734	68111.7662	40264.9391	34893.5104	35904.4538	39732.1787	55612.3441	38613.4863	37659.7194	37831.1904	44025.6335	25299.3969	39916.2501	41048.9641	50780.922	36106.0297
P49760	Po1c2a	DNA-directed RNA polymerase II subunit RPB3	108.16	10.18	31443	2	0.04731231	11364.8216	8450.39952	37793.0754	35999.1884	11826.3447	21999.6616	113550.0214	13084.2565	035005071	29257.3736	7132.0522	13814.8334	2990.21337	14970.6787	030396139	030344898	030361929	030348259
B0BNE2	Po1c2e	DNA-directed RNA polymerases I, II, and III subunit RPB3C1	117.41	11.43	24570	2	48551.8739	36919.8767	35580.1903	40668.948	44744.7556	29660.7452	27696.7597	30741.5451	29423.0044	32837.452	25132.2681	25115.5176	30625.6043	2871.8202	30901.1429	27153.415	24313.0978	34496.0822	22450.8432
O88828	Po1f2f	DNA-directed RNA polymerases I, II, and III subunit RPB3C2	49.86	5.51	14464	1	0.04731231	28754.6308	25711.2243	45323.1468	42260.7271	29925.1081	29955.6138	22160.5512	31198.7529	37708.2523	14883.8923	50047.1454	36955.7912	47926.9963	16905.2492	32783.5731	36474.9722	44755.599	45121.255
P62488	Po1f2g	DNA-directed RNA polymerase II subunit RPB7	50.97	11.05	19264	2	0.04731231	15838.2077	16058.8346	16203.6589	14759.0397	18813.3508	14073.0019	138959.9499	14199.5729	37708.2523	15291.4825	13989.9827	14321.778	14981.5399	13224.7985	15201.6399	11983.2842	16211.7634	15182.2059
Q23G2C	Po1h2	DNA-directed RNA polymerases I, II, and III subunit RPB3C3	240.11	28.67	17143	3	8848.9568	13883.3669	34588.1423	41935.3126	14716.733	10781.5374	19858.0851	12062.9853	26851.4668	15544.5717	8658.31087	26986.687	18593.109	21085.4663	21609.4328	26259.6648	23300.9572	19682.2869	23592.5269
P60898	Po1f2	DNA-directed RNA polymerase II subunit RPB9	38.02	5.6	14523	1	18903.4917	18382.0166	20866.2435	14395.347	15585.6167	030665024	030877705	15206.8359	12507.7619	19534.898	17024.3406	14002.0959	14301.8762	14414.6015	17803.3762	19100.9584	19150.3917	19125.8827	14715.0526
Q921X6	Po1f3	DNA-directed RNA polymerase III subunit RPB6	38.8	3.48	35632	1	1312.29434	03311494	030370204	030257718	030251027	6914.62946	3894.63999	4697.11788	4124.21088	6849.9958	035005071	030345808	030362706	4203.9678	030348812	5840.64216	030396139	6862.66535	030350028
Q62086	Po2b	Serum paraoxonase/arylesterase 2	154.64	7.91	39627	3	0.04731231	28453.4614	55601.8131	28708.9997	24429.1433	51120.4917	34401.4428	49635.6241	48207.0219	25944.9095	34884.1423	36346.5229	33691.3106	48458.6133	39506.8915	30070.1713	33348.3595	32510.3655	44698.3018
Q62087	Po3	Serum paraoxonase/lactonase 3	584.62	21.19	39351	8	83641.1764	51829.983	62564.2827	57060.6549	27754.6387	87271.3868	83465.2601	98464.3266	96630.0366	53650.9298	35546.7239	65290.7417	57590.0144	54095.0971	61289.507	52516.9395	54744.2292	45348.2826	51848.4555
P37040	Por	NADPH-cytochrome P450 reductase	397.35	15.19	77044	7	153065.759	82949.5012	108676.1266	124451.8699	100302.182	130709.622	123128.176	103674.229	142198.748	90047.4	948845.6405	90031.1994	82274.1711	53991.0678	107563.65	109110.338	93256.4687	81530.9514	98342.9248
Q9D819	Ppa1	Inorganic pyrophosphatase	241.96	17.3	32667	5	12135.5326	68703.0805	64581.1647	15326.7509	33800.4617	92140.279	113986.901	99075.2409	78446.3282	124867.254	90758.8096	92832.228	125331.153	97928.4152	118024.801	91604.139	99410.1873	108039.877	86495.3226
Q91V49	Ppa2	Inorganic pyrophosphatase 2, mitochondrial	78.7	8.18	38115	2	0.04731231	4141.2961	3140.00329	4192.7208	2417.44735	4100.94843	5205.7569	4883.90329	5723.37457	3175.56645	5250.91931	3147.81911	4090.26757	5535.0545	5515.40714	4550.41267	3513.10759	2757.06798	4500.11914
Q91V18	Ppa2	Suppressor of SWI4 homolog	200.54	9.36	52756	4	76815.754	51634.5967	40615.9616	66551.7131	45443.0537	38666.0817	29980.7651	41713.1349	35826.2563	49221.255	37848.2492	41884.4031	4417.2971	39049.4645	2805.44293	31041.0024	42329.0566	54456.1558	32266.1308
P35433	Ppa1	Amidophosphoryltransferase	92.92	3.29	57437	2	52048.9577	49431.433	31584.4342	18381.591	21266.6856	45542.8755	41383.2633	23174.7608	31351.4331	57377.9086	51100.3149	53802.1692	58907.9615	46297.844	54282.3559	59510.514	47328.4545	51685.0774	49886.4876
P17742	Ppia	Peptidyl-prolyl cis-trans isomerase A	1712.49	79.27	17971	24	4174405.76	42324003.35	3615821.54	127511.11	927022.992	4567923.93	5004022.66	428996.59	4195631.63	529807.82	390219.319	3475671.35	4328284.39	4784743.86	4844237.64	4075953.53	3573912.95	4458799.71	3098630.60
P24369	Ppib	Peptidyl-prolyl cis-trans isomerase B	682.61	51.39	23713	13	648387.761	790386.452	1383169.419	362943.341	337021.429	836042.209	918440.889	868068.309	79017.22	808273.591	693416.87	643145.401	72757.644	566179.644	770356.717	861170.362	565537.904	711824.17	705540.823
P24369	Ppid	Peptidyl-prolyl cis-trans isomerase D	365.23	17.3	40743	6	90779.889	140693.997	102929.989	46014.0935	62387.0484	131566.777	291960.786	163089.068	153817.737	272462.051	219628.392	194803.315	247333.41	232523.28	225228.335	260076.466	151166.127	209433.622	201364.504
A2A802	Ppig	Peptidyl-prolyl cis-trans isomerase G	81.28	1.6	88325	1	0.04731231	10678.0703	030370204	2031.0422	16228.4984	030665024	9487.69958	7287.3972	14233.9194	8141.4267	11844.0549	13877.7989	7902.91624	15011.4656	12349.6823	8181.22167	10355.3748	10243.4087	14260.0918
Q9D868	Ppjh	Peptidyl-prolyl cis-trans isomerase H	258.62	24.47	20464	5	0.04731231	37033.6135	15032.228	25484.6543	23817.0027	22263.3738	20550.379	40765.6787	20443.7635	41473.2193	31500.5566	35987.4322	40234.9223	40604.1532	35750.7617	40024.8462	32903.0917	24062.8838	26008.0864
Q9D787	Ppi2	RibNucleoProtein E3 ubiquitin-protein ligase PPI2L2	38.53	0.37	59065	1	2917.05544	5911.18091	030370204	2031.0422	37036.888	2022.38384	28583.33002	030877705	030383783	8008.8969	2169.62471	2308.92304	2970.81422	2315.40828	030488812	030380805	2338.98532	2537.44763	030500218
P20650	Ppma1a	Protein phosphatase 1A	62.49	3.14	42417	1	11468.5335	8154.2971	10250.5673	6472.19737	5252.33774	13267.5941	11628.0457	14809.6984	17708.518	12158.832	11968.2958	14106.5544	11304.6475	7239.63589	10124.8306	11029.7017	12587.3874	9561.48793	9577.93458
Q61074	Ppmlg	Protein phosphatase 1G	272.87	11.25	58727	5	4023.9165	87852.2627	47565.4823	43558.7015	34041.4897	66612.37	59577.282	67855.1688	31816.4167	80983.3603	71501.2286	81490.1257	74100.7414	57631.6986	84113.2679	78941.7266	70562.6368	59568.7217	
Q8BVQ5	Ppnm1	Protein phosphatase methyltransferase 1	86.93	5.44	42256	2	0.415.26799	3225.88899	030370204	030257718	030257718	5423.76364	4523.96732	030837823	5083.28205	2902.99016	2825.20414	3780.56302	3554.69765	2673.93389	1947.06286	4404.74856	030396139	4527.52343	2815.95506
P51175	Ppox	Protoporphyrinogen oxidase	100.66	7.13	50871	2	0.04731231	6754.60418	109070.3787	14698.4221	9481.31091	10247.8699	10061.0468	13181.479	12527.386	2507.97357	10183.3021	9387.7612	8027.04678	14258.5783	10213.9145	8286.54578	7714.17697	10292.1746	9970.10409
P62137	Ppp1ca	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	1025.09	49.09	37540	16	415501.338	427671.829	3351570.211	279434.673	267658.427	46084.469	581556.173	518587.6	516685.925	509647.549	467954.182	463070.911	485060.111	512226.266	482638.626	494928.02	378404.476	428006.014	406425.168
P62141	Ppp1cb	Serine/threonine-protein phosphatase PP1-beta catalytic subunit	844.12	39.45	37187	12	361597.777	265002.527	197996.401	149230.539	1505016.31	264293.65	354683.93	291735.112	325169.298	342315.462	315057.833	319399.031	314330.774	359830.162	285264.462	320461.501	259632.451	264882.914	322896.067
P62141	Ppp1cc	Serine/threonine-protein phosphatase PP1-gamma catalytic subunit	909.28	44.27	36984	13	45477.365	340328.696	267991.401	225315.005	220213.957	344939.819	455612.212	384669.059	394192.459	466855.261	392346.792	387536.977	395400.839	420690.187	360645.537	400574.067	325620.396	326848.535	397817.127
Q9D8R7	Ppp1r1a2b	Serine/threonine-protein phosphatase 1 regulatory subunit 12A	49.74	0.97	114967	1	0.04731231	10577.7934	10059.5368	7440.2512	8099.3384	18515.7155	14890.4003	14738.1337	10295.3226	20233.2163	165833.0903	13977.3331	13673.0149	15778.5105	15574.0307	15394.9617	11062.851	19963.1887	16277.1323
Q62084	Ppp1r1a2b	Protein phosphatase 1 regulatory subunit 12A	43.38	17.01	115997	1	0.04731231	10618.9441	1195.1332	5195.62552	8870.9591	11825.4828	8770.78593	11159.5111	10168.6431	16567.35261	15161.307	51925.25433	17300.28741	13235.0938	13125.0976	13562.2925	14008.8282		

A1A5S1	Prip6	Pre-mRNA-processing factor 6	341.77	7.86	106764	7	21377.9129	15565.0564	20043.1794	18329.599	32497.0757	28561.3825	36568.5687	33884.2954	33615.82	25291.617	20626.5349	18625.4461	22967.586	17645.5908	17745.9636	59923.9122	12815.7256	22415.94	30934.2365
Q9P9V0	Prip8	Pre-mRNA-processing-splicing factor 8	690.62	8.52	273616	16	4531.29254	115984.953	10207.3917	233951.359	252250.57	47888.7013	65112.1104	53802.4975	234837.778	105248.653	25002.2847	86068.2716	102114.448	327883.2	197264.301	90867.4876	79272.6974	120786.695	62848.8754
P60892	Prip1	Ribose-phosphate pyrophosphokinase 1	692	38.99	34834	14	218967.362	206608.589	210616.78	113089.612	111491.205	298422.13	344011.86	272735.404	30763.029	28973.86	250357.994	303392.758	263349.708	27025.153	255670.542	258858.759	268068.658	240831.074	29139.319
Q9CS42	Prip2	Ribose-phosphate pyrophosphokinase 2	700.74	38.05	34786	13	19252.202	206608.589	210616.78	107002.898	100211.136	297446.061	296684.22	27152.577	237144.672	27152.577	237144.672	27152.577	237144.672	27152.577	237144.672	27152.577	237144.672	27152.577	237144.672
Q63468	Pripasp1	Phosphoribosyl pyrophosphate synthase-associated protein 1	397.12	25.84	39436	7	9419.6652	66112.4581	57750.1881	32728.0657	38617.1127	78623.7635	74104.1693	62749.9076	80321.4613	96921.6723	86671.9672	92150.1741	80156.2609	100120.649	70486.1619	83251.6687	80142.9494	67242.2984	84811.519
Q08618	Pripasp2	Phosphoribosyl pyrophosphate synthase-associated protein 2	179.36	11.92	40867	3	10273.9373	40286.9104	42615.5427	24046.6916	27200.3994	55686.4331	48390.9247	48236.9814	51409.5752	63221.7167	57656.5139	9394.6139	55864.4391	57305.7956	40351.1491	54567.7379	57688.2273	51333.9321	59201.3232
Q3T114	Prrc1	Protein PRRC1	65.9	2.93	46295	1	0.04731231	6304.62926	6451.49265	20077.6816	24006.6916	10826.4935	8871.90192	7839.8201	8270.2667	7323.5715	5643.05498	7759.01812	8380.61487	6797.04005	9363.89363	9161.92218	12080.0138	8872.83489	8777.68616
Q7T5C1	Prrc2a	Protein PRRC2A	65.12	0.97	229203	1	0.04731231	03311494	2469335124	025877818	0202510227	003660254	80833.63693	4220.49784	3481.3744	31426.876	5569.48069	3313.07024	3903.90813	2345.56496	3686.38022	3476.04051	3253.93737	2979.20852	3304.62891
Q3T1H4	Prrc2c	Protein PRRC2C	378.57	3.34	310892	8	30674.6988	7534.0823	95276.331	8742.3433	17345.6122	102079.585	36937.0888	98484.1777	3381.5494	11374.3176	81276.379	5569.48069	3313.07024	3903.90813	2345.56496	3686.38022	3476.04051	3253.93737	2979.20852
Q70455	Prrc2i	Exopoxygenphosphatase PRUNE1	90.12	3.74	50239	1	0.04731231	918.560295	520.44372	2042.07984	4627.62386	1909.67027	1749.87874	1847.2654	2084.55909	1751.5955	1605.79454	1409.98571	1755.67232	2796.66352	1448.01217	1386.86172	1300.47409	1019.95989	1561.8088
Q61207	Psep	Prosoplin	146.14	5.57	61422	3	34117.9299	388554.432	4011960.211	258612.391	263572.355	60311.963	77275.879	75034.947	512182.101	413966.562	365322.527	356263.413	415094.76	250469.684	397392.638	512849.931	423059.954	3841.487	363558.451
Q99K85	Pseal	Phosphoserine aminotransferase	1514.64	20.27	40473	25	67927.629	72521.444	5900.620	211359.699	252463.295	814008.967	104712.68	832082.58	752545.25	109658.88	203231.053	63226.8103	987539.597	79842.815	881725.53	1022886.56	181090.902	885600.963	790557.442
Q88777	Psep2	Protein Sefrin-2	110.03	3.35	50051	1	0.04731231	4972.8216	1051.96841	19454.2406	5663.65061	2412.28227	4649.72964	4977.0226	12208.6126	6367.07961	2172.4235	7878.44713	4953.60004	9180.88652	1601.74773	7019.3946	6729.7102	5676.83061	6634.91775
Q99JF8	Psep1	PC4 and FRS1-interacting protein	373.52	12.73	59697	7	98779.4257	96504.1666	100077.682	11619.636	96679.3438	70988.264	8025.2068	72692.6097	70095.2478	10274.7929	88865.136	74324.5161	68904.792	76584.9682	90194.7372	100159.7690	7491.9014	80714.2013	78077.4056
Q9R1P4	Psm1a	Proteasome subunit alpha type-1	707.76	64.64	29547	15	309645.725	572613.159	457135.201	263681.912	229652.109	468110.011	490655.627	438020.636	395414.713	843166.374	590440.653	568554.794	714917.102	549841.544	655735.418	617447.016	637941.614	694686.982	52406.443
P17220	Psm2a	Proteasome subunit alpha type-2	70.73	41.45	25927	10	254743.389	396635.59	316845.95	233513.077	18078.179	374720.858	336769.319	308989.173	341658.655	388578.673	478986.51	474823.203	451103.884	445754.874	435686.857	431102.207	429423.48	423111.56	355891.944
Q70455	Psm3a	Proteasome subunit alpha type-3	542.92	20.2	28405	9	451879.162	400558.827	376042.405	220636.621	305033.601	384877.142	362106.168	307693.51	323588.801	491796.823	457971.464	460513.107	468089.805	35158.768	380585.509	492324.511	494291.735	422933.322	306141.492
P21670	Psm4a	Proteasome subunit alpha type-4	704.89	65.13	29498	14	234899.02	293336.729	229763.169	147050.511	152726.416	243062.134	274745.987	235258.636	392772.506	448179.43	374061.001	341292.977	480934.474	312467.421	331725.516	390867.1	298659.649	337463.676	285099.907
Q9Z2U1	Psm5a	Proteasome subunit alpha type-5	578.55	47.22	26414	8	313457.592	2740.073	215918.884	154003.883	134949.101	234763.766	310346.888	262022.742	269278.595	395749.179	346066.973	317445.351	357501.083	301530.76	310452.483	362462.869	316584.459	300773.432	295210.917
Q9QU10M	Psm6a	Proteasome subunit alpha type-6	783.67	64.63	27372	13	17046.513	589555.665	552833.141	329473.897	352137.682	55939.194	56114.606	443347.814	506666.754	752988.018	673012.463	630063.355	579697.657	602830.608	637738.659	671414.196	650959.948	712283.141	590766.92
Q9Z2U10	Psm7a	Proteasome subunit alpha type-7	682.84	23.23	27855	12	11521.436	412632.582	387840.297	288416.323	366289.681	401372.452	336703.252	366096.514	500666.514	500666.514	500666.514	500666.514	500666.514	500666.514	500666.514	500666.514	500666.514	500666.514	500666.514
Q09061	Psmb1	Proteasome subunit beta type-1	902.33	54.17	26272	13	32634.712	369824.512	324061.678	257609.107	259628.512	264049.295	368487.029	309216.474	289439.35	451367.087	49993.697	425398.865	465574.486	377002.314	358421.279	464930.98	397371.945	400350.618	389250.54
Q53955	Psmb10	Proteasome subunit beta type-10	329.37	28.57	29063	5	95262.7495	110550.868	121410.959	96040.166	7160.7309	81829.523	78615.1175	67239.396	66282.0165	108880.914	49989.8065	100907.087	98060.2807	87144.2479	94229.505	93675.4431	112633.334	99165.5903	84071.8092
Q9R1P1	Psmb3	Proteasome subunit beta type-3	809.18	51.71	22965	13	45077.82	358041.22	358041.22	242959.59	226360.75	42771.405	46764.735	52699.320	396107.76	462708.082	439977.236	30927.421	425018.588	384487.523	384453.471	427662.514	394176.314	384455.282	390891.743
Q9R1P1	Psmb3	Proteasome subunit beta type-3	809.18	51.71	22965	13	395609.301	298009.447	261347.059	146439.508	165140.995	292966.612	294968.756	238260.59	248792.395	419106.768	339688.598	302957.141	378245.201	333221.768	372842.668	418750.534	344825.425	249193.663	344127.27
P99026	Psmb4	Proteasome subunit beta type-4	528.56	40.28	29116	9	238840.70	166168.1	148958.465	81917.9848	106774.351	158931.074	180280.16	162982.985	178353.21	234611.99	233628.506	203526.747	21274.975	160732.145	179617.453	214785.4	223774.064	203681.065	201320.138
Q55234	Psmb5	Proteasome subunit beta type-5	97.81	8.71	28532	2	60571.4019	26208.928	195620.039	10831.7348	13377.8422	21453.8297	18472.5155	19451.825	23597.3219	37321.252	30073.713	33543.9518	36040.4462	25089.7902	26852.7993	29861.6583	29919.6113	29037.6703	29298.92
Q60692	Psmb6	Proteasome subunit beta type-6	244.81	43.28	25379	5	228672.719	252078.166	186509.265	142671.644	84418.6331	246638.809	186645.278	181651.009	183755.707	309973.753	219544.221	254291.847	270345.551	228572.896	287006.792	218307.726	272051.825	245637.132	157028.526
P70195	Psmb7	Proteasome subunit beta type-7	158.8	25.27	29891	4	70847.8436	158727.474	143603.784	68736.2336	90708.4066	143638.167	128674.088	103286.033	111684.548	222724.919	194207.055	209661.703	223454.063	171135.937	189689.723	190944.208	165818.038	182655.77	144071.402
P20193	Psmb8	Proteasome subunit beta type-8	602.14	42.39	30260	10	155441.139	21176.737	185175.79	112822.172	11740.999	181227.887	62764.76	16044.320	162582.41	285765.338	198306.784	232572.515	246382.31	200609.734	192340.593	218277.179	217094.811	220154.223	183871.201
P61292	Psmc1	26S proteasome regulatory subunit 4	390.91	17.05	49185	7	124786.514	115431.271	127222.467	95914.655	98591.312	168411.317	187303.147	217523.449	164505.597	20921.803	196940.528	195104.23	207149.38	169802.039	179106.865	198514.473	18302.965	174871.117	153308.784
Q84678	Psmc2	26S proteasome regulatory subunit 7	958.45	38.11	48648	16	10375.707	12601.46	100844.552	138704.022	118003.048	184470.864	170617.016	168473.726	186441.501	175188.122	201970.385	156174.787	20815.663	171809.072	185939.172	139414.826	171999.165	17182.123	
Q84678	Psmc3	26S proteasome regulatory subunit 8	957.78	43.89	49549	17	1317																		

Q99L5	Pwp1	Periodic tyriophan protein 1 homolog	41.33	3.19	55587	1	0.04731231	6000.8124	4220.71234	9041.1777	8966.71525	5736.04656	6009.8835	5362.4142	7472.1059	603094734	5755.46985	9331.00611	8081.87778	8759.59511	7392.74243	6828.20042	5900.37616	5345.4938	8477.8477	
Q8BL0	Pwp2	Periodic tyriophan protein 2 homolog	165.36	3.39	102910	1	0.1276.0670	40592.3347	42025.6173	65056.426	41132.2917	27584.9147	22908.1852	25532.1749	24762.5516	45988.1314	33252.0561	38547.9176	56268.0574	30261.6423	42555.3197	41560.2753	33402.8166	46029.3657	33403.4587	
Q9EPB4	Pycard	Apoptosis-associated speck-like protein containing a CARD	168.67	25.39	21459	3	26140.7665	37360.0715	40285.0816	1213.5985	20478.1119	37617.7429	61428.896	59038.224	41010.5574	57385.573	72613.4305	33717.6099	60701.385	74123.1478	60780.9665	62309.733	45078.3172	54566.7037	65372.9264	
Q922Q4	Pycr2	Pyruvate-5-carboxylate reductase 2	803.85	42.19	33659	1	471622.781	312442.923	284.182.374	2651.91	192384.601	348989.223	296620.509	26477.72	286647.607	2882.111	6792.27	21077.434	243290.624	242643.077	25374.008	294942.48	418148.615	318124.37	281153.671	372229.437
Q922Q4	Pycr1	Pyruvate-5-carboxylate reductase 1	191.4	17.52	38721	4	46864.533	10749.727	9700.67422	16346.036	14850.4108	2801.7043	52433.0095	7841.2691	46093.985	16388.259	122471.31	15450.2659	70484.9754	9004.4636	4611.9228	9398	1547.880	10228.847	9224.3166	
P3534	Pygb	Glycogen phosphorylase, brain form	158.25	16.71	96174	10	46066.2759	1130647.24	10215.5565	46795.4485	26681.979	193779.720	17654.263	175968.305	184301.972	122162.109	14589.449	116966.609	108909.564	100921.265	112732.091	108436.705	108436.705	108436.705		
P09811	Pylp	Glycogen phosphorylase, liver form	145.66	3.76	97483	3	32735.928	23087.547	2127.3301	13603.1623	6533.94167	58406.467	44191.2849	44798.173	47498.1481	15243.605	29844.2091	26501.7469	38288.3458	32543.5712	24017.3782	21826.1997	20245.3618	24157.1738	27128.7973	
Q61838	Pzgr	Pregnancy zone protein	37.27	0.6	165853	1	12928.255	12087.2419	11254.3301	19214.8848	12925.287	12490.2367	603877.705	13783.8325	10791.5985	13243.6165	1040.36783	9112.09733	12370.4299	14629.6376	2248.27436	14055.15	0.0396139	14868.467	12818.935	
Q8BML9	Qars	Glutamine-rRNA ligase	806.47	29.68	86777	18	8722.6156	121953.889	136204.916	99899.6125	103453.873	195077.406	245891.748	25646.2321	224425.122	203584.625	153644.141	202596.619	184754.985	178789.697	193687.484	167449.882	182784.914	184764.895	133450.121	
Q8BIV4	Ojdr	Dihydrodipieridine reductase	199.9	26.56	25570	4	91922.50	64560.0324	15694.982	24734.1869	35420.789	70809.9836	87753.6725	86730.9105	65653.279	74878.461	79397.5788	58522.7489	69509.9961	55958.6515	61448.2751	71931.3597	73373.7924	73373.7924		
Q91X1U	Oki	Protein quaking	278.1	23.17	37643	5	48778.424	48082.7208	56056.1994	36203.8791	45029.9457	72788.6229	62927.2219	67465.4607	73955.0422	75978.756	71805.0481	71590.4101	60382.8815	78828.7789	79557.9019	69137.3484	55469.644	37866.531		
P61027	Rab10	Ras-related protein Rab-10	504.11	34	22541.8	4	25282.43	114466.357	195571.984	250882.018	164366.803	163288.476	132046.596	93108.7977	194422.117	90080.7626	96167.2738	163120.42	116688.576	133347.878	127427.211	94688.109	119109.108	87690.754	17373.008	
O35509	Rab11	Ras-related protein Rab-11	35.25	16.71	96174	10	471622.781	312442.923	284.182.374	2651.91	192384.601	348989.223	296620.509	26477.72	286647.607	2882.111	6792.27	21077.434	243290.624	242643.077	25374.008	294942.48	418148.615	318124.37	281153.671	372229.437
P09811	Pzgr	Glycogen phosphorylase, liver form	145.66	3.76	97483	3	32735.928	23087.547	2127.3301	13603.1623	6533.94167	58406.467	44191.2849	44798.173	47498.1481	15243.605	29844.2091	26501.7469	38288.3458	32543.5712	24017.3782	21826.1997	20245.3618	24157.1738	27128.7973	
Q61838	Pzgr	Pregnancy zone protein	37.27	0.6	165853	1	12928.255	12087.2419	11254.3301	19214.8848	12925.287	12490.2367	603877.705	13783.8325	10791.5985	13243.6165	1040.36783	9112.09733	12370.4299	14629.6376	2248.27436	14055.15	0.0396139	14868.467	12818.935	
Q8BML9	Qars	Glutamine-rRNA ligase	806.47	29.68	86777	18	8722.6156	121953.889	136204.916	99899.6125	103453.873	195077.406	245891.748	25646.2321	224425.122	203584.625	153644.141	202596.619	184754.985	178789.697	193687.484	167449.882	182784.914	184764.895	133450.121	
Q8BIV4	Ojdr	Dihydrodipieridine reductase	199.9	26.56	25570	4	91922.50	64560.0324	15694.982	24734.1869	35420.789	70809.9836	87753.6725	86730.9105	65653.279	74878.461	79397.5788	58522.7489	69509.9961	55958.6515	61448.2751	71931.3597	73373.7924	73373.7924		
Q91X1U	Oki	Protein quaking	278.1	23.17	37643	5	48778.424	48082.7208	56056.1994	36203.8791	45029.9457	72788.6229	62927.2219	67465.4607	73955.0422	75978.756	71805.0481	71590.4101	60382.8815	78828.7789	79557.9019	69137.3484	55469.644	37866.531		
Q922Q4	Pycr2	Pyruvate-5-carboxylate reductase 2	803.85	42.19	33659	1	471622.781	312442.923	284.182.374	2651.91	192384.601	348989.223	296620.509	26477.72	286647.607	2882.111	6792.27	21077.434	243290.624	242643.077	25374.008	294942.48	418148.615	318124.37	281153.671	372229.437
Q922Q4	Pycr1	Pyruvate-5-carboxylate reductase 1	191.4	17.52	38721	4	46864.533	10749.727	9700.67422	16346.036	14850.4108	2801.7043	52433.0095	7841.2691	46093.985	16388.259	122471.31	15450.2659	70484.9754	9004.4636	4611.9228	9398	1547.880	10228.847	9224.3166	
P3534	Pygb	Glycogen phosphorylase, brain form	158.25	16.71	96174	10	46066.2759	1130647.24	10215.5565	46795.4485	26681.979	193779.720	17654.263	175968.305	184301.972	122162.109	14589.449	116966.609	108909.564	100921.265	112732.091	108436.705	108436.705	108436.705		
P09811	Pzgr	Glycogen phosphorylase, liver form	145.66	3.76	97483	3	32735.928	23087.547	2127.3301	13603.1623	6533.94167	58406.467	44191.2849	44798.173	47498.1481	15243.605	29844.2091	26501.7469	38288.3458	32543.5712	24017.3782	21826.1997	20245.3618	24157.1738	27128.7973	
Q61838	Pzgr	Pregnancy zone protein	37.27	0.6	165853	1	12928.255	12087.2419	11254.3301	19214.8848	12925.287	12490.2367	603877.705	13783.8325	10791.5985	13243.6165	1040.36783	9112.09733	12370.4299	14629.6376	2248.27436	14055.15	0.0396139	14868.467	12818.935	
Q8BML9	Qars	Glutamine-rRNA ligase	806.47	29.68	86777	18	8722.6156	121953.889	136204.916	99899.6125	103453.873	195077.406	245891.748	25646.2321	224425.122	203584.625	153644.141	202596.619	184754.985	178789.697	193687.484	167449.882	182784.914	184764.895	133450.121	
Q8BIV4	Ojdr	Dihydrodipieridine reductase	199.9	26.56	25570	4	91922.50	64560.0324	15694.982	24734.1869	35420.789	70809.9836	87753.6725	86730.9105	65653.279	74878.461	79397.5788	58522.7489	69509.9961	55958.6515	61448.2751	71931.3597	73373.7924	73373.7924		
Q91X1U	Oki	Protein quaking	278.1	23.17	37643	5	48778.424	48082.7208	56056.1994	36203.8791	45029.9457	72788.6229	62927.2219	67465.4607	73955.0422	75978.756	71805.0481	71590.4101	60382.8815	78828.7789	79557.9019	69137.3484	55469.644	37866.531		
Q922Q4	Pycr2	Pyruvate-5-carboxylate reductase 2	803.85	42.19	33659	1	471622.781	312442.923	284.182.374	2651.91	192384.601	348989.223	296620.509	26477.72	286647.607	2882.111	6792.27	21077.434	243290.624	242643.077	25374.008	294942.48	418148.615	318124.37	281153.671	372229.437
Q922Q4	Pycr1	Pyruvate-5-carboxylate reductase 1	191.4	17.52	38721	4	46864.533	10749.727	9700.67422	16346.036	14850.4108	2801.7043	52433.0095	7841.2691	46093.985	16388.259	122471.31	15450.2659	70484.9754	9004.4636	4611.9228	9398	1547.880	10228.847	9224.3166	
P3534	Pygb	Glycogen phosphorylase, brain form	158.25	16.71	96174	10	46066.2759	1130647.24	10215.5565	46795.4485	26681.979	193779.720	17654.263	175968.305	184301.972	122162.109	14589.449	116966.609	108909.564	100921.265	112732.091	108436.705	108436.705	108436.705		
P09811	Pzgr	Glycogen phosphorylase, liver form	145.66	3.76	97483	3	32735.928	23087.547	2127.3301	13603.1623	6533.94167	58406.467	44191.2849	44798.173	47498.1481	15243.605	29844.2091	26501.7469	38288.3458	32543.5712	24017.3782	21826.1997	20245.3618	24157.1738	27128.7973	
Q61838	Pzgr	Pregnancy zone protein	37.27	0.6	165853	1	12928.255	12087.2419	11254.3301	19214.8848	12925.287	12490.2367	603877.705	13783.8325	10791.5985	13243.6165	1040.36783	9112.09733	12370.4299	14629.6376	2248.27436	14055.15	0.0396139	14868.467	12818.935	
Q8BML9	Qars	Glutamine-rRNA ligase	806.47	29.68	86777	18	8722.6156	121953.889	136204.916	99899.6125	103453.873	195077.406	245891.748	25646.2321	224425.122	203584.625	153644.141	202596.619	184754.985	178789.697	193687.484	167449.882	182784.914	184764.895	133450.121	
Q8BIV4	Ojdr	Dihydrodipieridine reductase	199.9	26.56	25570	4	91922.50	64560.0324	15694.982	24734.1869	35420.789	70809.9836	87753.6725	86730.9105	65653.279	74878.461	79397.5788	58522.7489	69509.9961	55958.6515	61448.2751	71931.3597	73373.7924	73373.7924		
Q91X1U	Oki	Protein quaking	278.1	23.17	37643	5	48778.424	48082.7208	56056.1994	36203.8791	45029.9457	72788.6229	62927.2219	67465.4607	73955.0422	75978.756	71805.0481	71590.4101	60382.8815	78828.7789	79557.9019	69137.3484	55469.644	37866.531		
P61027	Rab10	Ras-related protein Rab-10	504.11	34	22541.8	4	25282.43	114466.357	195571.984	250882.018	164366.803	163288.476	132046.596	93108.7977	194422.117	90080.7626	96167.2738	163120.42	116688.576	133347.878	127427.211	94688.109	119109.108	87690.754	17373.008	
O35509	Rab11	Ras-related protein Rab-11	35.25	16.71	96174	10	471622.781	312442.923	284.182.374	2651.91	192384.601	348989.223	296620.509	26477.72												

P62878	Rhb1	E3 ubiquitin-protein ligase RBX1	150.66	17.59	12274	1	24087.8364	11697.1303	15573.1357	28367.9837	17748.5365	13565.2924	15077.3191	13961.2509	11985.5632	14761.7165	21130.5362	25102.8126	15639.6605	20609.7846	11243.4956	12510.7839	13521.1313	13421.674	19766.695	
Q8V837	Rec1	Regulator of chromosome condensation	719.9	32.54	44971	11	22430.775	192030.177	22003.1625	519729.258	200513.269	19910.582	191957.348	211997.527	91654.524	22818.376	261301.04	266686.355	254819.145	324739.378	235793.033	275848.693	270741.447	220098.021		
Q8BK67	Rec2	Protein RCC2	1429.69	59.62	55983	24	802693.968	117663.646	63170.786	49801.363	11367.105	698113.15	698021.888	629139.469	657358.114	9079529.254	83493.446	819053.921	837279.641	788994.804	719968.688	940591.63	786509.238	839243.027	755919.822	
Q9J710	Rec3	RNA 3'-terminal phosphate cyclase-like protein	40.41	2.14	40841	1	0.04731231	9709.6718	46070.267	4277.8018	5992.712	6389.71837	7524.29932	7170.46662	5768.6381	10664.031	8800.64618	8605.17428	9550.08089	9086.23602	12476.6227	11637.863	4733.37745	7480.64923	11545.4159	
QB8P92	Rec2n	Reticulocalbin-2	333	21.25	37271	5	67193.0797	59335.3354	75238.443	21695.3615	5359.80458	43798.8373	65774.8002	61959.5589	69758.072	55705.384	57943.261	66074.0639	59976.8284	58488.7123	58286.2020	62177.2879	60092.1247	45298.2319	69274.648	
QC8CF5	Recor1	REIS1 corepressor 1	45.34	3.33	52715	1	0.04731231	9071.73151	14203.0914	11005.3399	8390.8366	7976.93308	4920.7958	6037.27065	8888.7798	6711.5215	5308.47662	103620.670	6974.91472	88707.0932	7561.27094	5021.45713	9942.2141	7929.60853		
Q8UZA1	Recs1	Ca ²⁺ -interacting protein	111.74	7.52	44114	1	0.04731231	7203.78683	3343.14224	6025877.18	9570.7701	20633.486	5395.0761	5263.8337	6037.27065	9501.8458	6035000.71	60354808.5261	56938.2561	50938.2561	50938.2561	50938.2561	50938.2561	50938.2561	50938.2561	
Q9QY1F	Rdh11	Retinol dehydrogenase 11	33.48	2.42	35148	6	7071.4186	52480.8989	55266.378	50719.7555	4888.3875	70821.4413	55583.9602	57445.1659	26097.456	41887.5326	53582.4427	49936.3965	44220.1102	59964.4383	57158.6389	63157.2825	51476.0314	45544.908	59879.7474	
P26043	Rdx	Radixin	1456.89	38.42	68543	26	2985.119	6260.9752	27108.142	2138625.73	1179918.27	3138265.65	3254784.23	2744847.49	2173902.25	3196196.56			2538390.5	2537753.98	2560795.25	2153457.69	2422831.4	2468035.41		
Q04207	Relb	N-transcription factor p65	44.4	2.55	60212	1	3898.3772	7874.3321	7536.47528	6298.04472	5342.2055	10483.4039	10846.3176	9332.38808	9123.68279	11920.2854	9328.1785	9575.7422	12309.013	11404.6504	13018.7646	10186.8583	11891.7965	9969.3206	9256.34976	
PR2343	Relp	N-acetylglucosamine-2-epimerase	125.93	11.4	49771	3	2533.6698	1559.7391	103070.0204	12731.1723	7213.908485	8453.55914	23844.1023	27777.407	24318.0245	22316.4629	21844.6218	7984.69276	18635.526	14513.6509	12771.8897	13892.2813	13377.9362	14159.9802	112927.71	
Q5F5M9	Reteg1	Retiologipin regulator 1	64.63	2.29	52782	1	0.04731231	9077.86929	0307020.04	0258777.18	3775.3506	0306650.24	12541.318	9510.3127	649.420	10103.7106	8557.79199	7120.33338	8063.69149	7830.02273	717.066401	9890.51488	038913197	8872.97442	8009.56729	
Q64FW2	Retrat	All- <i>trans</i> -retinol 13,14-reductase	35.42	1.97	67334	1	1.1555.8332	2967.73163	12427.8172	6763.10348	9821.83668	3966.5228	6056.79145	7391.10807	5449.2338	4604.55406	4214.22426	4700.56719	4762.63001	7450.38369	6106.73158	7220.96378	33061.01437	3102.92394	5442.55864	
Q8U1X1	Rexo2	Oligonucleotide, mitochondrial	115.85	14.35	26752	2	0.04731231	2353.8975	2402.14488	983.155529	6822.69733	17810.9371	5138.90247	9518.31262	5291.16545	4421.08193	21041.79	6654.61208	3394.2971	5466.30329	2455.66157	3756.34548	5425.21711	3100.69366	12370.7509	
P35601	Rfc1	Replication factor C subunit 1	78.45	1.06	125985	1	0.04731231	4182.59232	4127.8849	0258777.18	4532.00626	5061.12623	3904.1276	5165.04163	1037.7605	5614.91403	2598.7663	6278.93764	4474.89039	03052376	7425.62571	5780.21624	5386.20872	5155.35947	5830.59055	
Q9WU4K	Rfc2	Replication factor C subunit 2	65.54	4.87	38725	2	15869.5721	17528.4502	20760.1142	21887.3087	24037.5274	19403.3228	21028.2238	53397.4201	13740.7625	214682.254	59866.7502	55708.4265	57655.6829	48702.9347	54137.9802	67319.6393	58531.5268	24324.4597	22884.955	
QR8323	Rfc3	Replication factor C subunit 3	205.16	11.24	40526	3	5539.80794	3847.98034	4741.7702	7245.23976	9303.49195	9909.04191	8979.09626	12479.0168	2698.5645	7563.97488	9176.36085	11303.8936	10072.3569	3723.30581	1995.64335	11293.641	9176.94863	6285.09304	9664.30018	
Q99J62	Rfc4	Replication factor C subunit 4	76.66	7.14	39867	2	0.04731231	36122.3345	3046.1096	3026.1039	35703.4388	43256.6887	23052.8099	32286.8229	2607.3021	36268.7852	23946.8646	33488.528	38785.257	33908.4336	29851.7038	35991.1247	34510.688	34287.8079	50069.5254	
Q9D0F6	Rfc5	Replication factor C subunit 5	160.65	10.62	38096	3	25916.79	46093.8535	38694.8965	59081.1	48173.0166	4794.8767	38743.6076	44325.1241	4025.8917	48979.1843	47263.1688	44922.6818	48266.9866	44850.9817	47344.2117	47964.8706	36750.5307	45156.3757	50237.6901	
QC8FV9	Rfk	Riboflavin kinase	59.68	13.55	61437	1	0.04731231	1396.70396	1530.07005	6025877.18	0251027.12	4778.8767	3743.6076	44325.1241	4025.8917	48979.1843	47263.1688	44922.6818	48266.9866	44850.9817	47344.2117	47964.8706	36750.5307	45156.3757	50237.6901	
Q6A0D4	Rfln1	Ratfin	105.15	3.79	61537	1	6481.80559	2928.16736	9926.76172	5571.59627	11583.8017	10787.8866	11349.2655	10871.546	9750.30585	6455.18282	7030.51248	7172.07345	8240.86257	7293.07883	3188.86561	9172.70548	7555.82724	7122.72854	9227.59005	
QC6239	Rho	GTP-binding protein Rho	119.81	23.37	20479	3	0.04731231	55093.7467	132009.7956	8423.7474	11767.3261	23541.5921	22754.4544	19271.2905	275.92185	12108.2344	4989.9236	16720.1927	14495.7949	15617.0461	16001.3307	16556.1734	12453.4043	12105.9136	14705.1004	
P61589	RhoA	Transforming protein RhoA	645.94	44.25	21782	11	89074.457	15484.156	6393496.96	318040.012	376078.82	815367.371	802248.712	796438.561	697431.594	622693.879	706633.449	659815.165	593183.957	494176.489	596937.271	689640.24	764766.614	573844.753	65770.037	
Q62159	RhoC	Rho-related GTP-binding protein RhoC	429.45	29.02	22006	8	875475.827	514033.815	625910.034	325311.338	1359.94422	835975.726	7840260.819	786030.079	679332.379	625885.437	716942.244	626830.429	584475.591	504129.192	613645.41	706541.582	733180.621	580599.927	64253.305	
Q60496	RhoG	Rho-related GTP-binding protein RhoG	599.43	58.12	21309	9	68255.7616	110.95256	138233.63	135148.687	160734.852	161304.085	185708.815	160714.37	138461.65	158470.115	140845.285	146882.224	176466.676	144745.309	153506.03	102204.624	135153.852	142665.942		
QB8G51	Rho1	2-minochohanol Rho GTPase 1	17.28	5.71	72242	4	20927.6236	21668.9256	25925.348	32181.2841	28581.7334	20376.7639	17240.4938	168894.304	23566.261	24626.861	21857.8868	26293.1158	22057.3756	25914.024	25938.835	22494.0902	18862.8871	18795.1794	22238.387	
P52760	Rhd	2-minochohanol Rho GTPase deaminase	141.2	29.63	14255	6	0.04731231	4228.66842	3283.1832	0258777.18	3463.03387	5229.499	63584.088	34633.03387	5229.499	63584.088	34633.03387	5229.499	63584.088	34633.03387	5229.499	63584.088	34633.03387	5229.499	63584.088	
DZ3U57	RhoX	Ribosomal interacting 1	36.43	2.01	67455	1	0.04731231	11668.2941	11925.302	26484.8869	21079.989	0306650.24	0387770.03	833873.984	96675.881	12056.4557	14503.5359	10636.5327	13593.9242	13649.6935	17638.205	13809.0101	8592.2586	10926.8837	11854.1252	
Q9QZL0	Rpk3	Receptor-interacting serine/threonine-protein kinase 3	73.14	5.76	53322	2	0.04731231	11667.2129	11925.302	26484.8869	21079.989	0306650.24	0387770.03	833873.984	96675.881	12056.4557	14503.5359	10636.5327	13593.9242	13649.6935	17638.205	13809.0101	8592.2586	10926.8837	11854.1252	
P13832	Rlc-a	Myosin regulatory light chain RLC-A	199.63	29.07	19895	4	81900.1225	38959.543	371252.3282	0258777.18	20022.5072	62769.9342	117029.834	852527.3988	66984.8579	97346.0419	84543.5468	49510.6292	75415.0068	70292.463	86964.6552	109589.076	37763.2465	61553.8965	54761.7658	
QR8K30	Rnasek	Ribonuclease kappa	60.3	9.18	10992	1	64560.4116	22267.5849	29684.3241	32911.6583	52720.8337	50181.1049	32591.9723	42413.0997	36765.430	17149.3231	19014.6029	27282.8170	19049.0889	19622.1624	21324.1579	30626.152	33294.2845	27200.2166	22984.4798	
Q4K1L4	Rnf2	E3 ubiquitin-protein ligase RNF2	46.9	3.57	34242	1	0.04731231	6975.94329	5407.49097	8748.11838	4228.01966	6406.1385	7280.98126	4850.7801	6412.43085	4097.40221	7759.50383	60354808.0	8284.30356	8703.66759	64705.5495	70782.5421	3620.54028	5239.93302	8864.20772	
Q6A0D4	Rnf1	E3 ubiquitin-protein ligase RNF1	60.48	4.37	60648	1	0.04731231	6311.1494	6032.9070	2659.4782	6285.01227	6355.56604	2706.9689	2654.8767	1916.514	6037.27065	933.08933	2839.86747	3379.73435	3666.99704	60488881.2	4097.19407	2197.81072	3722.50141	6031.12943	
Q9V177	Rnf2	Ribonuclease-inhibitor	2016.51	7.78	49816	24	345057.489	245250.885	198001.083	118003.341	143330.661	60416.730	739279.710	85478.538	442995.753	514033.246	438835.633	461760.21	402808.590	349705.485	485027.414	366882.519	336291.139	45526.12		
Q9D0L8	Rnmt	mRNA cap guanine-N7-methyltransferase	26.53	14.84	52391	5	114770.024	13202.1341	24554.2708	14593.8127	14267.3521	22863.1275	36326.1729	31516.6173	38161.0226	41700.8425	40547.7572	41471.6623	35547.192	36288.9490	37651.3274	30231.3884	33373.5928	37344.901	3862.43026	
Q8VC73	Rnpep	Aminopeptidase B	1093.15	38.46	24616	17	307257.67																			

P51410	Rpl9	60S ribosomal protein L9	903.88	69.27	21881	14	1067279.09	778333.082	788534.973	589931.046	672892.029	885308.923	699435.311	736605.661	676070.143	894739.263	1264531.951	816073.457	803370.266	1021888.97	957004.126	1183348.46	870142.212	855477.18	815224.08
P14869	Rpl90	60S acidic ribosomal protein P0	866	47.32	143216	12	1396730.99	1003324.19	964868.844	741822.445	736425.423	1288835.54	1374442.44	1143571.83	1172540.28	1231613.24	1970572.14	1250245.08	1094966.48	1216679.94	1381922.2	1400377.37	1036918.98	1138732.08	1520419.46
P47955	Rpl91	60S acidic ribosomal protein P1	186.19	51.75	11475	2	190655.49	95988.683	115344.494	96451.1278	79304.3593	98691.811	105447.477	97861.294	84745.921	131605.97	1434004.04	28766.9086	110748.751	113744.648	137195.903	124351.955	133027.283	1116430.99	137894.677
P99272	Rpl92	60S acidic ribosomal protein P2	263.26	62.61	11693	3	79628.9265	41181.3145	600833.920	12986.2907	28781.7859	50348.9721	108842.3138	843463.694	85416.9126	102695.407	108295.113	78926.7841	90771.7819	119767.694	64040.618	111265.874	63396.2621	65707.8478	10707.2838
Q91YQ5	Rpn1	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	1542.48	52.96	68528	26	1021803.35	762337.067	809900.274	970124.505	941104.112	697573.512	653811.55	699516.329	739854.69	565926.599	590573.185	623753.306	612727.202	733547.072	684386.312	724885.927	681684.833	996562.243	771047.647
Q9DBG6	Rpn2	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	875.04	29.32	69063	13	612431.421	420109.747	465266.728	620384.337	521300.424	365149.895	279152.919	307020.216	400281.366	290665.306	270038.394	336651.882	266069.455	358169.79	402567.07	389172.601	348767.425	289331.408	362085.034
Q99JH1	Rpp25I	Ribonuclease P protein subunit p25-like protein	38.46	55.2	17675	1	0.04731231	40652.83928	6270.52964	0.02587718	6827.6789	6705.12926	4658.31246	3638.78322	1722.43722	1884.42597	8857.25215	8757.88052	8109.073	6429.50943	9089.38236	8986.32941	5092.71594	6701.604	6685.63871
O88U76	Rpp30	Ribonuclease P protein subunit p30	310.44	31.34	29473	7	0.04731231	40662.8411	35722.36868	59939.265	61535.6986	46202.4881	45150.168	45574.6133	63942.71	59108.792	44991.8454	53114.4553	50379.7871	56277.0164	65273.5537	43316.0961	35921.6478	38855.8268	47042.6691
Q80U12	Rpp38	Ribonuclease P protein subunit p38	42.67	57	11129	7	0.04731231	2567.12902	0.03070204	0.02587718	2198.20941	2604.57378	3707.38627	2719.43955	2707.68219	2519.49355	2070.11382	2645.63414	2385.52919	0.03020376	2612.09851	2789.26754	1756.01602	2814.43576	2797.28385
Q9CSU0	Rpr1b1	Regulation of nuclear pre-mRNA domain-containing protein 1B	189.71	16.56	36884	4	10390.7918	14484.277	13367.3488	5833.73251	12524.0873	11487.0384	23927.9184	21320.562	21499.7738	19524.3114	23113.0324	18268.5892	19937.9197	15006.2602	15616.4275	20799.8362	17880.486	16702.2368	18223.1102
P63325	Rps10	40S ribosomal protein S10	445.32	28.48	18616	4	36094.472	43388.501	317607.68	271108.094	311511.89	350048.899	324458.907	330059.635	414534.409	38591.07	332564.992	334067.897	316714.384	409667.578	357311.348	320999.524	349220.708	302025.487	322404.112
P63281	Rps11	40S ribosomal protein S11	568.63	56.96	18431	12	2526721.92	155881.561	1813274.92	1100882.63	1594496.52	1935616.42	1394788.62	1849001.74	1742201.63	1984604.1	1881298.13	183730.10	1790360.52	2137751.42	1967721.41	2070540.38	2120092.8	1905642.3	1760301.87
P63228	Rps12	40S ribosomal protein S12	632.64	62.88	14525	10	363321.95	300041.661	297925.96	145652.074	164366.125	309583.629	436977.212	436544.993	324631.840	49224.196	427528.025	372830.10	469000.415	462738.107	424168.679	495691.648	386064.399	404258.192	394081.87
P62278	Rps13	40S ribosomal protein S13	404.73	43.71	17222	8	127198.91	5624.085	38989.782	26512.122	269801.835	693154.227	837124.948	890567.69	781056.204	611699.847	642944.242	536301.7	606704.077	858006.004	702328.614	680861.555	611578.815	700106.015	57622.936
P12471	Rps14	40S ribosomal protein S14	532.69	39.74	16259	9	1405947.37	541249.093	986742.589	723121.316	760879.352	904672.269	728156.234	846379.311	768401.425	116545.58	1016380.08	1091752.93	1019910.3	1141685.93	990119.673	1196017.47	1114715.08	1094837.86	1056136.18
P62843	Rps15	40S ribosomal protein S15	323.18	39.31	17020	5	10723.800	26224.0654	45191.0818	5696.00367	7229.9897	31194.917	2802.1756	42848.3328	3658.5144	34665.0839	22954.4123	37322.0474	29453.572	22452.0934	2601.345	31896.0455	36179.9878	27035.1228	34048.0787
P62245	Rps15a	40S ribosomal protein S15a	618.46	66.15	14840	12	1486057.72	964885.811	941801.83	640354.909	725902.702	2101808.27	976821.064	10251.772	93779.17	1127639.16	972725.744	1131556.96	1070363.15	1137780.99	1135993.77	1116351.5	100248.44	1147926.69	1001282.07
P62245	Rps16	40S ribosomal protein S16	682.93	71.92	16445	14	1964797.25	2243246.38	2304105.06	1720324.2	1719570.79	2435489.74	2026254.49	2117687.91	2000144.96	302380.52	2618430.79	291831.13	2425305.19	271144.03	2943519.6	3003399.94	2431905.2	2264137.96	259974.17
P63276	Rps17	40S ribosomal protein S17	410.24	51.85	15524	6	344488.76	625114.631	219143.948	177665.887	201138.83	274293.227	219065.51	345482.733	268893.831	263450.833	259464.256	23386.149	241690.459	296366.541	203760.441	291795.067	315829.056	265266.907	300326.556
P62770	Rps18	40S ribosomal protein S18	1765.78	18.55	17719	14	1507551.89	1076228.08	981978.517	571818.542	683550.202	123949.072	1174851.83	176619.781	142529.339	1129649.5	1197786.65	1119675.52	1182822.44	1102555.84	1148246.3	1555585.13	1136364.56	1354268.31	122167.59
P17074	Rps19	40S ribosomal protein S19	473.18	36.55	16085	8	1023600.18	669237.555	529787.118	253780.811	323732.957	752465.67	766754.369	847496.425	759786.588	837960.106	719791.639	591235.647	774953.417	78771.367	671627.935	743892.623	577881.171	703548.246	708294.374
P62278	Rps2	40S ribosomal protein S2	884.65	60.88	33231	15	1472664.9	1818555.63	1968577.524	316779.286	486359.98	1447293.36	20675.206	147929.36	18931.75	813265.3	749252.146	178035.14	255497.913	3969720.36	2346713.63	2320596.97	2276160.58	2159390.1	2421471.60
P60867	Rps21	40S ribosomal protein S21	198.31	42.02	13373	4	763269.25	536171.134	588161.328	348363.861	461398.877	688480.369	671121.316	696390.192	573277.737	658841.102	669025.924	58047.354	717740.184	747992.973	5442626.681	784061.11	715515.815	636118.737	594900.797
O90576	Rps21	40S ribosomal protein S21	449.92	66.27	9127	8	218365.944	398362.841	394545.206	294389.795	32219.1296	322445.892	26945.905	298685.621	304125.691	550147.16	420003.435	488691.216	449301.549	400141.674	4674.3832	471260.642	549220.341	455333.24	410933.82
P62267	Rps22	40S ribosomal protein S22	323.59	35.66	15808	4	373799.801	623283.647	316624.929	23825.804	154161.826	33949.621	267845.169	289722.711	331870.152	302661.42	244833.323	452760.233	303503.186	393596.76	539661.448	332781.765	283639.162	360204.351	20892.329
P62849	Rps23	40S ribosomal protein S23	486.24	38.35	15423	10	762993.117	573796.88	624591.873	478454.511	457400.186	711168.111	484312.321	594102.818	654543.713	607953.567	728223.603	710327.325	561037.451	768339.819	721993.083	724982.823	715348.447	67917.887	778936.827
P62852	Rps24	40S ribosomal protein S24	299.9	29.6	13742	5	1319718.78	1066220.566	688217.072	44782.842	57379.137	1221279.49	116029.922	110434.1	1606387.62	1349650.36	1181196.99	1339115.36	1369294.73	1497914.6	1640376.58	911505.96	126328.587	1339419.5	
P62855	Rps26	40S ribosomal protein S26	194.42	24.35	13015	3	609580.334	423172.764	431185.533	29081.1267	366594.135	434128.755	462528.347	479832.723	449461.259	578825.15	592135.07	547288.634	585374.297	568721.804	573261.257	656395.09	508971.069	545619.919	537159.925
P24051	Rps27	40S ribosomal protein S27a	789.07	58.97	13271	12	1473261.91	14022819.325	16255.574	5538.8765	1447.92542	2992.91043	2151.02865	3795.4263	3726.79953	15999.973	3969.72096	3723.10604	2656.88765	5348.57642	3804.5143	2413.74758	1980.3602	4211.27649	
O88U76	Rps27	40S ribosomal protein S27b-like	205.85	26.19	9477	4	195346.516	26222.836	341938.926	205.9184	261555.287	395214.716	278887.489	31274.76	288924.24	307825.761	592601.917	315473.645	295513.323	290115.908	380781.321	322755.965	302410.47	278864.878	288008.075
P62858	Rps28	40S ribosomal protein S28	298.02	52.17	7841	5	408953.937	304430.7	338801.322	180551.413	191738.946	239175.722	25905.986	212881.698	23162.863	372599.373	359836.782	421127.124	368488.824	449218.969	459292.994	366921.832	330612.652	342107.264	384366.36
P62274	Rps29	40S ribosomal protein S29	90.7	46.63	6677	3	80778.6451	251839.058	225045.551	182974.255	150923.044	149533.431	148058.446	14589.265	146359.329	245782.131	264870.922	264272.942	189660.806	288644.659	268996.273	246065.18	160925.258	188027.559	
P62908	Rps3	40S ribosomal protein S3	1407.47	75.72	26674	25	1319533.4	337227.57	378610.95	2334989.25	2477266.15	4718920.56	4314266.06	4736519.44	4135917.18	4411581.2	4212942.95	4247680.98	4289001.61	4632654.71	483765.49	5193150.83	480361.91	4921620.74	4116505.77
P49242	Rps3a	40S ribosomal protein S3a	1048.57	54.55	29945	19	2445595.37	1590687.09	1497128.69	980332.018	1119057.22	171971.79	1807031.48	2099984.53	1660155.92	2188108.1	1917913.26	1851815.77	2078228.78	1850283.37	1899913.65	2367493.61	439393.17	2034207.79	1920119.31
P62702	Rps4x	40S ribosomal protein S4, X isoform	1362.98	65.78	29958	24	3422078.21	27647.423	3404928.87	1980299.21	2213229.42	332572.795	276455.453	349400.33	3061420.67	393786.535	3753007.59	3908654.09	560242.524	4015721.46					

Q9JLH	Sart3	Squamous cell carcinoma antigen recognized by T-cells	3662	9.88	109619	7	5326.52266	46183.1184	375407.0741	53044.8624	32080.8581	62949.1905	56779.5273	69823.4477	63497.0005	66718.0	66330.1382	63224.205	65358.6739	60321.5694	42126.1216	71404.3156	59108.2463	66585.4901	71985.3372
Q6ZPE2	Scf1	Wnt1/Wnt3a-related protein 5	61.97	0.54	206963	1	4815.85207	1731.26304	1905.91575	407.84046	2784.02517	3641.34611	1935.31035	2360.54575	3796.28111	2513.18433	3193.48657	4175.35185	2397.5907	3299.04194	3289.90008	2564.21785	2411.67169	2201.50702	2725.93676
Q63623	Scar8	Protein SCA8F8	74.72	0.95	139504	1	0.04731231	5934.08069	3804.58985	6788.05866	7344.34612	7091.10658	11233.5064	10497.07834	9349.08339	10712.794	11248.399	8282.62756	8099.215	11422.3834	10365.016	10918.7773	5200.7286	6634.6071	10997.9562
P56603	Scamp1	Secretory carrier-associated membrane protein 1	50.28	6.8	37999	0	0.03665024	6210.4235	6260.42055	7846.63386	6740.4396	7650.43856	4271.45107	5638.96701	5978.82741	4213.34163	6837.65393	6649.21112	5443.7792	3815.87269	0.03434898	2008.88063			
Q3690N	Scamp2	Secretory carrier-associated membrane protein 2	165.85	9.73	36465	2	0.04731231	13483.4005	12444.6807	19852.7936	13577.821	16160.0534	10826.3084	13177.4217	8294.33157	9601.92673	5038.86577	6852.49529	9028.04267	10958.272	12551.0534	11661.7655	10596.3913	9375.71799	6653.15546
O35609	Scamp3	Secretory carrier-associated membrane protein 3	243.98	14.9	384858	3	24783.2683	26592.4416	28637.4322	42024.3566	16694.0896	38172.2656	10591.0962	85258.8047	37423.2501	12739.6188	30883.4511	31449.6225	24697.9587	13544.042	11760.1636	28549.0705	24246.663	25755.9192	26106.3813
Q8R1Z7	Scap	Sarcosine dehydrogenase-like oxidoreductase	189.76	13.75	47139	2	0.04731231	17080.7802	25513.1148	21931.7813	21650.8996	28283.2702	27732.6105	33153.3586	36857.63106	21854.7853	9284.9003	24584.972	23016.0971	21675.4919	30472.067	21892.3086	2121.1962	23014.4841	23494.4789
P07308	Scd1	Acyl-CoA desaturase 1	48.56	3.63	41467	1	254.847457	7298.83567	8286.2531	1273.88736	19274.6039	4215.4172	1569.61929	2098.81078	3056.01657	6013.73142	7440.1375	6660.76175	5631.61978	15259.6539	12476.4996	8009.1953	7592.37717	9811.37146	8221.86957
Q8B8F7	Scd1	Scd1 family domain-containing protein 1	122.29	9.55	72323	1	0.04731231	8801.99241	28101.325	16284.2193	43149.2075	31499.2059	17297.4343	22491.8758	34988.0393	51687.2841	7240.19527	27151.6336	20577.3789	22100.1266	26406.3839	23261.662	14812.5767	12760.1527	20086.5132
P0J126	Scly	Selenocysteine lyase	153.62	15.97	47174	4	3728.52267	42714.65	34650.7131	19842.2948	26679.364	57795.4801	54531.5876	55273.612	54814.9502	41921.281	62313.9782	42488.4936	80077.5362	44164.5728	44634.3465	50748.383	47142.2612	51285.2166	45990.8866
Q920A5	Scp1	Non-specific lipid-transfer protein	254.31	19.4	59126	5	6031.16099	113228.091	10601.7261	38815.7689	93794.6799	79704.7815	83797.7011	85882.1961	111442.209	105975.803	97833.5545	106213.559	112039.008	102656.993	122810.57	81450.5817	103939.206	99066.2725	
Q80U7A	Scpp1	Retinoid-inducible serine carboxypeptidase	331.76	19.03	50965	7	35234.2942	9432.6411	98798.1846	32142.5071	46544.102	153862.823	202927.596	183291.677	166361.676	11840.8511	132322.165	126754.626	123994.364	132899.653	83191.4699	144995.818	111504.101	114767.027	128239.662
Q80U7C	Scrb	Protein scribble homolog	44.34	0.81	174059	1	0.04731231	9425.05203	5544.48973	8342.87788	7133.68712	8636.15978	5491.27603	6617.97549	9183.5071	11835.5603	2119.4314	9222.0218	6779.1809	11426.0895	7793.4402	5140.42277	5708.85261	5275.52286	6617.38936
Q9DBQ7	Scyb3	Protein associated with the carboxyl-terminal domain of ezrin	38.24	1.5	81333	1	0.04731231	0.03111494	0.03070204	0.02587781	1855.86342	0.03665024	1235.50722	3288.3157	2342.4995	1667.06779	2779.68956	2316.26707	2322.40765	3786.63841	4887.04816	3066.74029	0.0396139	2927.5497	2737.24767
O80992	Sdcbp	Syntenin-1	249.5	14.72	32379	3	25755.652	17858.2006	31768.8741	54365.9993	42389.3566	53309.3171	29520.7109	31509.7263	52880.9854	37643.7339	49775.8259	43111.9131	40284.9339	47948.3039	45506.5801	52285.945	49625.6028	46101.7748	64580.2539
Q9ESP1	Sdlt2	Stromal cell-derived factor 2-like protein 1	201.93	24.89	22648	3	46981.4984	2741.9404	27582.2409	16925.527	13063.372	23410.8378	29028.4994	28105.6033	23746.8464	19522.3041	30607.2918	23883.1921	23355.6823	28844.3465	28703.4462	33768.3786	31406.2266	29533.0578	33254.5792
Q8K2B3	Sdha	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	981.58	36.14	73683	17	26876.6252	41994.364	35322.5007	18265.523	2399776.032	233293.142	245659.260	274972.55	246939.366	237982.72	260727.258	246259.938	185826.256	263001.661	293575.359	310139.233	186570.037	220281.537	
Q9CQA3	Sdhb	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	173.56	14.54	31814	4	24511.4266	65030.5059	64352.5535	49874.762	5314.4083	6213.76755	61772.0389	56323.0456	51535.649	66545.869	63587.9574	56233.7468	32045.3623	59682.5083	65235.3992	85904.025	46109.8774	60174.1194	57749.660
Q9CZB0	Sdhc	Succinate dehydrogenase cytochrome b560 subunit, mitochondrial	36.68	7.1	18382	1	0.04731231	4420.39217	4579.13958	3873.70094	4093.85279	4245.55219	4331.13059	5613.85643	4322.86831	2456.56383	4320.62971	3203.53652	0.03620746	3795.2131	4066.13499	3656.49367	3231.04214	3801.88143	5669.57842
Q9CXV1	Sdhd	Succinate dehydrogenase [ubiquinone] cytochrome b small subunit, mitochondrial	130.01	20.75	20194	2	0.04731231	10112.4765	165428.3236	26116.7206	25403.5475	14488.2839	12654.8669	15456.3227	13032.1693	10830.4516	11551.614	13840.7074	12826.5138	18984.3381	14138.7857	16951.6391	17326.579	15143.4564	15870.6234
P42667	Sec1a	Signal peptidase complex catalytic subunit SEC11A	154.03	11.17	70519	3	0.04731231	52757.3561	68307.4324	79289.2319	74246.3171	67773.5894	54485.443	55997.1756	68013.2104	40533.8662	34916.5709	41301.8003	38315.4471	52691.5986	84499.2075	39236.4332	29104.8246	43461.6175	33580.1042
Q5XFW8	Sec13	Protein SEC13 homolog	141.3	6.83	35548	2	6401.4471	39012.7184	36068.9898	17713.7139	54663.6698	4870.0011	61842.6229	61642.0822	5598.4026	57172.922	56977.2217	45495.0904	54010.2912	55786.7318	50725.0714	66037.848	44629.8953	50853.042	62412.2472
O08547	Sec22b	Vesicle-trafficking protein SEC22b	539.67	43.72	24741	9	13460.429	133686.043	148354.961	147110.449	131814.055	173690.527	17294.9922	16400.555	18786.295	15019.449	155113.015	149741.983	193138.036	154865.349	138328.205	164348.343	146361.462	158762.404	
O01405	Sec23a	Protein transport protein Sec23A	220.37	8.89	86162	4	0.04731231	9293.0809	9281.75892	4555.8882	2242.88407	14459.6875	13342.2762	12330.5692	16682.0251	12347.3906	14450.4639	9879.59914	11941.1689	11523.5846	12630.1263	12536.2833	8550.31857	10400.7389	9381.8616
Q9D462	Sec23b	Protein transport protein Sec23B	697.68	21.51	86437	11	10397.121	9796.966	110203.2319	59471.1853	66350.7094	149298.547	141454.152	156098.349	158116.42	140082.357	132250.246	142771.714	141162.893	142192.342	126979.509	130979.76	135433.619	136079.446	138266.105
Q3UPL0	Sec31a	Protein transport protein Sec31A	252.36	5.37	133669	6	74615.934	40950.7827	19259.9443	19196.9323	21433.662	56547.6861	92198.1349	49089.3675	36859.878	51522.057	45463.2366	53231.8747	55047.6305	47473.8787	38939.2879	50952.6016	45750.6798	53477.8668	51283.1216
P61620	Sec31a	Protein transport protein Sec31 subunit alpha isoform 1	132.23	9.24	52265	2	19192.7958	11726.9143	20272.846	57557.4903	28331.0099	13571.6768	10290.4296	20731.5908	71298.4462	20313.3277	19087.7508	22066.0681	13587.5303	11824.2015	15298.7223	9670.9839	9670.9839	5660.4898	
Q9C8U8	Sec6b1	Protein transport protein Sec61 subunit beta	120.28	26.04	9958	2	7964.8538	92274.5022	116024.821	173497.229	157510.319	87694.2755	79401.1458	101041.012	96055.5496	74382.7893	83571.2288	101334.632	87270.1854	82147.2673	87287.9896	107424.875	101671.387	93944.141	119169.406
Q8QB1A	Sec62	Translocation protein SEC62	65.85	0.53	45581	2	8427.4734	21242.4214	21232.1336	21866.8302	20549.327	20402.5589	20980.5644	22485.4032	25840.0712	23959.2583	24949.5865	19041.2963	21499.801	24578.3536	30597.6075	24995.8272	19077.2069	24983.2388	28185.0823
Q8R2U0	Seh1	Nucleoporin SEH1	131.44	8.06	39775	3	0.04731231	29234.4601	34163.6675	40422.6167	47706.2556	29818.93	18622.1815	15445.562	26980.9428	28568.6091	26208.0459	26210.1152	30948.007	27357.3008	28471.885	30087.2206	28727.7588	33245.478	30780.4306
Q9Z2C6	Sei1	Protein sei-1 homolog 1	136.7	4.68	88340	2	0.04731231	16329.9357	22202.2052	31073.1229	19232.9876	16370.1075	11920.7275	14616.9508	16460.9399	13459.7227	7493.08321	5901.78536	12370.0238	16237.9201	14039.7361	18891.0302	18171.202	8906.9376	9375.6821
Q9Z3V8	Selenof	Selenoprotein F	61.85	7.41	17822	1	9520.6829	49222.5185	65059.5126	3529.67066	3988.77607	607.82596	6202.1803	4201.49411	8780.1823	5785.56046	63808.47419	5585.19663	567.99865	7241.73451	4759.351	7350.4204	7003.9225	3228.1733	30770.817
Q64151	Sema4c	Semaphorin-4C	42.74	1.56	92557	1	0.04731231	0.03111494	0.0345.6293	8450.9879															

QC80C	Slam2	SLAIN motif-containing protein 2	79.49	4.13	62378	2	0.04731231	0.03111494	0.03027833	4721.71671	4453.98916	8012.5835	5506.06269	6070.48429	5734.93914	5952.59724	5757.91427	5471.84905	5430.18807	0.03620746	6201.94847	0.03488812	5427.98218	6256.10896	7191.08988	4983.44868
QG632	Slc12a4	Solute carrier family 12 member 4	42.9	1.38	120628	1	0.04731231	2704.61239	9295.87703	8320.03421	6747.88242	3389.76422	0.0877705	374.88203	1956.30412	561.88586	1985.20336	2745.27276	0.03620746	2857.15849	1668.68565	1510.11082	2541.44902	810.90516	1711.61629	
QG6H0	Slc12a9	Solute carrier family 12 member 9	60.46	2.41	96005	2	327.55664	11607.9191	13028.6694	19215.5123	14931.4421	11834.5526	2177.21693	8025.60179	11294.4572	1856.07542	8875.46335	10280.2433	2547.42869	12576.3322	9864.72798	8567.62908	6862.61062	7222.10873	8289.48773	
Q8BPX9	Slc25a5	Solute carrier family 15 member 3	360.59	14.36	64051	7	69510.4448	6667.9124	61886.9661	68007.4469	65639.8131	134180.913	111662.023	12013.29	124931.93	4956.2287	59925.6823	72075.255	59317.4217	63430.235	105645.047	110720.672	114421.291	73520.1074	85573.3065	
Q91W98	Slc15a4	Solute carrier family 15 member 4	45.03	2.44	62266	1	0.04731231	6068.12294	12439.9958	15700.348	9822.79048	7794.05243	7010.03203	10097.4054	8190.56975	4153.75222	8283.81108	7085.78568	5999.17875	8701.20717	5384.726	5181.3977	6879.83855	7068.79462	5792.31741	
P53986	Slc16a1	Monocarboxylate transporter 1	217.96	11.56	62267	3	0.04731231	29538.4721	30892.31	66999.5824	23712.2242	31079.8035	23834.4512	25444.5742	29310.1675	22212.5046	25633.6329	28073.3442	20151.6025	30962.2974	35580.242	26060.5928	31428.9977	23633.1629	25345.4951	
P51912	Slc1a5	Neutral amino acid transporter (B0)	288.25	11.93	58483	4	4019.494	39473.7796	43817.7692	7358.5044	64289.2294	34999.4775	40030.7973	36658.1733	44853.365	36183.887	40578.5666	36021.8198	40338.5165	37373.2152	50063.1346	56277.3246	50080.9401	38049.9138	45647.1803	
Q9EPF4	Slc23a2	Solute carrier family 23 member 2	113.21	2.47	70049	1	0.04731231	1961.47138	3184.93651	9119.11022	6488.45711	3080.11426	1093.6616	15289.633	3066.869	1412.9964	1924.8141	4138.85148	1594.06231	3272.6292	1768.95882	1985.89716	2991.82202	0.0343489	2549.25904	
P32089	Slc25a1	Tricarboxylate transporter protein, mitochondrial	280.94	15.76	33835	6	16081.364	56142.5376	88111.9265	124258.051	102430.692	92837.2479	121633.94	116499.793	3363.861	46911.0896	110207.573	94819.8306	55242.413	95594.9218	111394.767	119316.648	90730.1914	71187.997	119357.598	
Q9QZD8	Slc25a10	Mitochondrial dicarboxylate carrier	647.92	39.37	31715	9	139730.547	97650.7523	125881.443	17522.71	171293.209	156338.805	110838.311	139265.358	148922.548	100752.438	121760.69	105208.861	87784.055	120800.177	137478.435	129668.322	108664.199	106544.834	131956.981	
Q9CKR2	Slc28a11	Mitochondrial 2-oxoglutarate/malate carrier protein	891.98	55.15	34155	15	48956.145	294218.93	392137.1682	483371.41	417819.755	417824.426	355889.353	427431.122	472626.125	288285.342	315676.789	291759.158	259406.625	340790.884	358559.959	324458.802	255984.700	257003.554	300669.685	
Q8B159	Slc25a12	Calcium-binding mitochondrial carrier protein Anlar1	1065.94	32.94	74570	17	116427.185	105517.427	102973.47	16884.925	159155.772	142556.032	120496.454	144036.137	136855.366	85773.051	125747.218	112613.581	105529.12	138569.615	133617.184	137832.028	108903.193	106913.304	138881.935	
Q9QXX4	Slc25a13	Calcium-binding mitochondrial carrier protein Anlar2	1066.73	39.5	74467	20	147492.462	142086.813	147567.294	217432.841	191901.947	216231.153	206101.897	210491.789	217416.45	141558.734	168755.789	142749.304	112828.906	151964.418	197444.655	191510.843	141407.069	111307.286	183993.649	
P97521	Slc25a20	Mitochondrial carnitine/acylcarnitine carrier protein	38.2	2.66	33154	1	2403.95764	15224.6755	15265.8356	19615.6156	22545.701	10644.3728	11027.5786	8566.7004	8164.41069	9786.77449	5122.82362	9402.25591	8088.08763	7315.11598	8524.26279	8813.36227	9934.18092	7475.14301		
Q9D6M3	Slc25a22	Mitochondrial glutamate carrier 1	110.17	8.67	34670	2	4869.85941	7656.34405	10585.187	9681.69535	19217.9827	13380.0632	15197.3885	15250.5046	17492.7269	9368.93801	9458.27055	13424.1073	13510.9253	16284.6791	19844.1461	17273.2856	7483.15038	8707.17893	15229.2632	
Q8BMD8	Slc25a23	Calcium-binding mitochondrial carrier protein SCAM3	110.17	27.37	32902	8	10431.373	8864.5213	105820.718	117387.308	98292.1996	163829.58	135024.781	160317.508	160635.189	81982.948	101949.601	74233.6237	97509.4475	82261.296	106220.332	110529.108	102637.341	85023.816	120097.629	
Q8VEM8	Slc25a3	Phosphate carrier protein, mitochondrial	372.36	23.81	39632	7	333739.26	33878.0499	374574.326	522846.627	443350.646	510782.468	430550.768	498989.541	47714.614	272728.732	365372.025	344427.896	309160.132	377604.057	426110.691	384407.292	367932.855	332033.273	379994.74	
P48962	Slc25a4	ADP/ATP translocase 1	1241.76	60.07	32904	21	4343256.93	2855047.9	2876872.66	4303986.1	3371924.51	3175593.14	2884238.77	3207813.82	3451210.57	2609981.74	2380564.83	239890.6	2425019.44	2737997.66	3456962.24	3087036.72	2710993.37	2605589.66	2624628.8	
P51819	Slc25a5	ADP/ATP translocase 2	1922.33	78.19	32931	28	6219705.35	339049.452	370945.56	5618172.05	4559906.01	4012815.93	3798835.89	415214.66	4513097.68	8871253.65	3242252.11	3454506.74	302105.2	3415964.72	4522881.47	4199801.82	3504850.82	332075.61	355132.95	
Q8ZS21	Slc25a51	Solute carrier family 25 member 51	90.11	6.38	36889	1	0.04731231	0.03111494	2853.7593	483371.41	4273.89255	0.03665024	1597.66498	18879.9289	371.19989	474.89862	2396.94713	0.03545808	1046.04257	2440.85044	2479.81339	390.798199	2019.21661	1674.2511	2735.85012	
P11167	Slc2a1	Solute carrier family 2, facilitated glutamate transporter member 1	270.66	9.96	53963	4	59218.7605	81819.9198	70773.6425	134352.246	89475.3098	62246.0328	64753.6695	53593.648	69480.7889	43388.9533	49363.9444	55665.9566	45411.7702	59060.1929	87736.93	71525.0308	41383.556	50880.7273	62977.2284	
P97858	Slc35b1	Solute carrier family 35 member B1	41.14	3.11	33885	1	0.04731231	617.78875	3186.40528	4646.78756	3443.19291	4297.77328	0.03877705	2305.09441	4760.56329	3688.02789	5811.52922	5411.39919	3929.42994	5996.98669	7729.26786	5311.94981	2864.96113	2823.72493	3875.94989	
A2AKQ0	Slc35d1	UDP-glucuronic acid/UDP-N-acetylglucosamine transporter	48.8	5.92	39272	1	0.04731231	1910.64489	2362.56004	5197.30146	3972.41391	0.03665024	0.03877705	3084.89417	0.03727065	0.03794434	2805.02317	0.03545808	0.03620746	0.03502376	2603.54883	2510.18958	2230.66038	0.03434898	0.03500218	
Q9WU18	Slc37a2	Glucose-6-phosphate exchanger SLC37A2	280.73	14.37	55073	5	5596.2488	52330.9452	55054.0389	9739.0118	82328.3294	105640.29	90483.577	87703.3771	94523.3877	43750.1159	68251.527	70386.2272	55984.7384	85163.1287	75259.7947	61150.8328	40379.0375	49348.741	49364.7004	
K13125	Slc39a7	Zinc transporter SLC39A7	118.22	8.19	50657	2	2036.1495	18394.8323	21185.4986	34198.0111	42668.9720	23272.648	19613.1752	22105.8478	20293.1229	20433.5170	19410.4585	27041.3767	16126.9644	26678.7746	23133.2108	24027.334	20033.7676	16089.2761	24641.6913	
P10852	Slc4a2	Ear1-cell surface anion-glycine heavy chain	827.41	33.65	58337	14	6809.1568	800230.293	917788.579	155685.514	128296.782	953188.239	968228.38	95470.781	927497.66	61842.032	738489.517	732076.66	697234.603	789497.805	80655.895	788872.853	576857.582	691955.658	686246.45	
Q8BY12	Slc4a7	Sodium bicarbonate cotransporter 3	13.7	3.87	11614	3	0.04731231	1894.62425	0.03307004	1261.4343	0.02511027	172.166133	3203.39102	3690.4401	3603.99798	0.03794434	6778.87148	2324.30116	4411.07528	5844.5961	0.03488812	2624.21814	5809.69721	2403.84108	3437.37644	
Q9CKX4	Slc50a1	Sugar transporter SWEET1	49.52	9.05	26659	1	0.04731231	7196.26245	9523.23335	18224.8982	14475.9081	9165.03753	5618.63441	7722.49057	2192.9257	41905.5299	6209.96473	11624.0816	11669.7102	6031.47472	11675.614	10259.7018	9284.39677	9544.71548	7680.74322	9920.26233
Q9Z127	Slc7a5	Large neutral amino acids transporter small subunit 1	148.07	10.16	55872	3	3510.684	35017.2289	46370.7241	82500.4091	58208.0852	50650.851	29798.6407	30691.5286	32085.8947	44357.2788	43335.8305	46428.0013	37529.0234	35614.9938	40292.4807	50652.3583	45167.4659	35348.274	29632.6433	
Q9QXX9	Slc7a8	Large neutral amino acids transporter small subunit 2	164.9	10.36	57873	3	17224.1665	88701.9621	101595.248	170796.92	157398.764	112216.903	80775.7190	93504.0081	100233.922	65629.9798	60976.4311	79083.8279	60031.8094	78523.4022	117266.028	65060.6611	80299.6473	62683.5401	50925.4472	
Q15498	Slk	STE20-like serine/threonine-protein kinase	48.02	11.03	114157	9	24881.0402	53406.8456	56273.9619	21858.0384	29447.7962	46914.4752	4141.8519	57586.8168	56177.2857	55157.4558	53381.259	56974.1026	63074.5533	53761.5746	45078.0013	62757.6865	70074.612	5010.2586	46947.0956	
Q8CI25	Slm	SABF-like transcription modulator	190.57	4.17	116919	3	14840.7923	24093.3632	22688.8091	26838.4821	23409.4122	20733.5559	18034.2669	23305.9454	18694.4325	26103.237	19447.4135	17028.5206	16577.0728	14377.8944	22055.676	16025.5165	23961.7502	23579.1491	14321.0026	
Q54835	Smad9	Mothers against decapentaplegic homolog 9	61.29	5.53	48992	2	437.404466	10633.3115	9509.8580	11396.9158	9260.8047	12278.4609	4299.38333	14055.8238	13336.5203	92083.2123	11439.4502	18135.3378	10222.8466	14764.6433	11630.2294	13423.1211	11157.9069	12122.4086	17268.652	
Q91V26	Smap1	Stromal membrane-associated protein 1	106.19	5.68	47660	2	0.04731231	18992.4008	10372.5121	0.02587718	12163.2124	24735.7004	26830.4584	23354.5172	23906.992	26312.0707	20578.8308	20736.4472	21401.1221	22395.6046	25722.9125	20344.7081	10422.7957	21266.9623	15015.3714	
Q3TKT4	Smarc4	Transcription activator BRG1	356.79	6.39	481427	1	22261.2056	39809.9368	45255.5527	55259.3759	49751.9629	29284														

Q9D8U8	Snx5	Sorting nexin-5	737.63	47.77	46679	15	46702.449	3602443.442	371550.544	224380.968	217335.534	533706.766	517486.012	527045.011	518337	431898.945	455534.578	437170.309	433228.006	439377.151	427255.301	419326.297	418517.188	409493.183	413122.298	
Q6P8X1	Snx6	Sorting nexin-6	1157.47	15.02	46679	1	1157.47	15.02	46679	1	1157.47	15.02	46679	1	1157.47	15.02	46679	1	1157.47	15.02	46679	1	1157.47	15.02	46679	1
Q61263	Sod1	Sterol O-acetyltransferase	126.26	5.56	63799	3	42037.121	29676.075	34710.0025	6111.4201	48655.1057	13962.8512	11647.6051	10184.1799	1015.76	15476.1078	17481.1748	19482.0854	27425.5916	16446.0097	24358.0212	30380.8694	28248.5107	30167.4298	26011.3768	158373.5553
P08228	Sod1	Sterol acyltransferase [Cu-Zn]	335.23	32.47	15943	5	42037.121	29676.075	33551.516	20925.945	285239.856	246623.548	229648.505	251161.683	206414.62	46571.953	326108.086	316589.794	361213.645	481823.887	354455.407	4185637.317	406780.676	3476179.134	319169.548	
P09671	Sod2	Superoxide dismutase [Mn], mitochondrial	231.86	16.67	24603	4	151503.497	164895.95	97137.0893	62314.7644	51549.024	163701.084	213700.066	202442.07	162557.647	163461.861	149027.868	150765.764	163996.868	183398.44	109876.066	197048.731	147433.585	138502.552	142460.623	
Q9C407	Son	Sortilin SON	147.79	13.35	265631	3	25908.0817	18611.5206	14713.9401	17689.572	28373.1178	3987.45664	8273.47081	23698.2445	24039.3768	19326.1801	18161.8405	19744.6161	8583.64821	18173.4352	10978.2762	4910.53704	3800.78263	3963.46248	26401.2374	
Q64442	Sord	Sorbitol dehydrogenase	179.28	14.01	28249	1	31892.3602	28946.4116	21933.0646	12893.3213	12706.5212	29871.049	35464.4358	27032.3176	29919.7904	32333.1189	26345.754	33067.2386	28638.1948	24424.5488	26780.5024	22086.3062	26793.7734	25345.6633	24130.2369	
Q80990	Sp1	Transcription factor Sp1	45.52	3.57	80732	1	0.04731231	59287.76493	12076.3445	31078.4386	5320.92321	6823.44313	6240.65863	03837823	7025.4401	003794434	9416.89381	7362.29238	5787.43479	6483.3115	5933.88372	5570.69143	7395.75598	03434898	6257.76382	
Q8BVK9	Sp110	Sp110 nuclear body protein	271.56	14.83	80732	1	0.04731231	59287.76493	12076.3445	31078.4386	5320.92321	6823.44313	6240.65863	03837823	7025.4401	003794434	9416.89381	7362.29238	5787.43479	6483.3115	5933.88372	5570.69143	7395.75598	03434898	6257.76382	
Q3UM65	Spa29	S/P- amino-terminal kinase-interacting protein	117.93	2.8	146219	3	0.16132673	1041.8946	6198.9876	2702.55555	5762.201	17920.8981	14787.6693	2189.4985	1885	16020.123	15945.0325	16815.987	15461.5629	16810.2642	5779.74747	18320.545	11894.8658	12566.7514	7680.71886	
Q3SAC0	Spa25	C-Jun family protein 2 homolog	152.16	4.93	92756	3	10661.1929	1490.8025	1938.2405	6138.28778	0.02510227	8927.8121	0.03877705	1171.2626	2080.1884	6734.9327	5464.15375	6487.26272	869.011137	7299.68799	0.03488812	5854.77644	0.03396139	1365.70542	8818.78077	
Q9D958	Spes1	Signal peptidase complex subunit 1	37.57	8.07	18186	1	0.04731231	7854.7284	15355.821	25597.304	20928.4403	13116.1804	1030.2354	11398.8178	16858.8742	11623.5963	7715.54542	6368.8241	7412.75989	14493.9753	19669.5471	9228.01751	7416.62002	11323.3268	9345.55947	
Q9C9Y2	Spes2	Signal peptidase complex subunit 2	121.17	10.62	24978	1	22622.7027	10350.3555	84856.4934	95884.1911	103993.348	69030.4268	51039.2569	44947.6692	64533.2523	52329.8583	63622.672	55444.5186	61523.8739	60821.5632	83308.8674	73819.9297	69811.7913	55114.684	6442.72	
Q9ZWQ7	Spes3	Signal peptidase complex subunit 3	124.37	17.78	20313	3	0.04731231	68538.3891	86566.9826	127864.94	10771.135	80861.4529	76366.6284	84711.4484	80992.5101	62635.3199	68726.8214	64683.6019	60448.4668	69116.956	80064.2207	79796.6878	63367.1615	70595.6179	75408.0343	
Q62407	Spep	Striated muscle-specific serine/threonine-protein kinase	37.63	4.03	354473	1	0.04731231	033111494	03070204	02587718	0.02510227	4796.82213	3346.39703	4256.8309	4188.9086	208579934	2141.42735	2405.99568	2825.22012	1598.05731	0.03488812	0.03396139	0.03344898	1966.32436		
Q9J1A7	Sphk2	Sphingosine kinase 2	107.56	4.05	65612	2	13936.685	5486.49673	6999.42271	1017.3676	8131.37521	23731.1174	7834.11285	8423.07227	12061.308	9644.84608	15964.9366	12588.6373	5722.39243	13407.1691	15017.2763	13608.3421	9670.38739	6175.28356	14182.5897	
P17433	Sp1	Transcription factor PU.1	59.48	4.41	31349	1	1830.34503	10656.3658	03070204	12178.3712	11517.8291	6130.50444	0.03877705	3714.66601	6340.65722	11894.3371	8403.8943	10359.1464	6371.74684	0.03502376	11121.772	13148.8919	9096.52599	10190.8451	10060.9887	
Q9Y2DU8	Spns1	Protein spintin homolog 1	40.9	4.17	56796	1	0.04731231	12307.17491	1847.98794	4125.83972	2434.7662	2238.13006	03877705	03837823	2634.29177	7967.44809	1343.05553	9125.53442	1085.38928	2288.59964	1841.45809	1515.77604	1965.30315	1505.88894	6611.872696	
Q64105	Spr	Serpinin reductase	763.56	59.39	27883	2	70992.6828	13565.405	12837.857	60743.9224	88948.1243	159740.073	19047.089	18205.275	124243.183	21624.312	208215.709	193572.293	241318.052	165971.875	175167.35	212768.581	161836.627	190251.991	169836.446	
Q4EZT8	Spry4d	SPRY domain-containing protein 4	41.51	4.83	32520	1	3991.16421	14169.9479	29252.3707	3980.5324	3288.8743	8902.85928	1936.8568	8737.88797	13294.727	7603.18258	7924.90632	910.65057	7656.71962	6811.63489	11332.1038	13249.1052	033961319	9062.74517	12136.662	
P16546	Sptan1	Spectrin alpha chain, non-erythrocytic 1	138.22	17.8	284597	4	0.04731231	16599.4046	20279.5804	10791.9494	15783.5606	17036.9356	20871.1668	23595.8227	23311.484	21665.994	23995.2565	22023.9699	20600.8647	21409.2587	20923.5192	15955.1561	19831.1857	16700.3486	2070.3433	
Q62261	Sptn1	Spectrin alpha chain, non-erythrocytic 1	49.45	0.38	274223	1	0.04731231	11218.4319	03070204	7790.9386	7255.5287	33022.9988	2767.6368	4134.5912	25911.112	18894.484	2061.1361	12418.5793	2021.6731	9637.10292	19845.0989	20382.3266	17638.4262	11282.6296	11839.6374	
O35704	Sptlc1	Serine palmitoyltransferase 1	41.91	3.81	62535	1	0.04731231	643.83905	03070204	0.02587718	2393.24127	1646.74661	943.59639	1300.6646	1945.92425	1879.713433	171.5916	1322.19629	3973.32757	2146.46055	1234.39917	880.110747	1009.5610	845.47767	1922.70272	
P97363	Sptlc2	Serine palmitoyltransferase 2	67.14	3.21	62535	1	0.04731231	6766.62964	8877.3141	17429.7522	10064.7441	8747.79347	5163.59054	6098.11585	11947.9684	4189.93197	4898.85992	7672.69046	3794.39413	7372.7684	7480.43425	6346.4877	4533.9863	4684.4584	4804.67508	
Q9R112	Spor	Sulfide quinone oxidoreductase, mitochondrial	854.85	39.78	10282	14	215347.3	21379.654	210331.881	26876.7941	241366.035	220449.448	188108.898	23541.503	245476.705	169911.978	22616.4209	203540.983	166828.58	229111.965	220964.745	246325.044	158950.996	188949.718	220088.908	
Q64337	Spr4	Serpinin reductase	883.83	81.4	48163	2	6494.9505	10257.3535	4901.0624	6406.14664	7031.1929	12710.4584	7799.10061	1915.905	607.23639	5318.5238	13026.2422	3696.53307	8948.87492	4671.98329	6734.50123	6734.50123	4731.76319	15256.864		
Q49V75	Srch1	Sl RNA-binding domain-containing protein 1	119.2	6.25	10282	1	0.04731231	21239.2654	8241.04099	6371.16561	11407.98	12031.425	7698.88821	7658.49881	9822.14442	10942.5677	13496.1067	5844.17231	11294.0161	6214.05917	14099.8488	11537.0236	7800.4612	8692.39565	554.25978	
DA4208	Srgap2	SRLT-ROBO Rho GTPase-activating protein 2	97.69	23.3	120878	2	0.04731231	3991.5277	2523.54924	9556.28159	6387.33776	0.03665024	10413.3763	4578.76365	7758.7998	830379434	10532.6678	10323.861	6473.0632	9798.5306	2139.73933	5846.62027	43143.6465	8790.23258	8552.41337	
Q6P069	Srt1	Sorcristin	114.87	11.62	21627	2	0.04731231	7467.72665	7130.59974	0.02587718	5170.63776	10718.2482	9207.7669	10659.9716	9796.9074	8142.05478	900.45684	8207.13962	6913.34475	7115.29172	6547.19825	11560.0146	6424.73201	7726.96355	9557.06558	
Q64674	Srm	Spermidine synthase	395.57	28.48	33995	7	72944.873	147902.43	139311.44	55192.3547	76384.9528	182045.883	191439.052	185873.803	189055.273	186695.409	307811.186	190316.317	193874.793	184852.434	185944.675	204271.691	143370.173	180748.933	169023.451	
P16254	Srp14	Signal recognition particle 14 kDa protein	174.98	37.27	12510	3	0.04731231	4478.3695	47630.1791	62376.5074	27349.4033	37058.6207	30403.262	29920.162	34860.923	18605.909	3810.1812	4789.1716	4916.106	40312.2358	55245.6628	59013.4645	31396.5328	34466.4893	4171.8353	24538.9617
Q9D746	Srp19	Signal recognition particle 19 kDa protein	132.76	18.06	16191	2	0.04731231	4761.50297	4560.12013	2128.1174	2607.94738	0.03665024	7514.63646	1655.4423	7684.43943	9152.35697	9242.69976	7474.05053	6808.78503	9059.97258	7256.58333	8970.34408	6453.33242	9029.36861	761.65109	
Q9R187	Srp54	Signal recognition particle 54 kDa protein	40.67	2.38	5572	1	40270.5893	11838.0326	16928.8087	16056.7187	15127.2994	21947.4066	1694.0973	2342.1069	7710.967	12591.8891	14510.6354	16316.8394	16059.4509	16781.1134	17261.9944	18843.9092	18565.6479	1532.6941	18965.56	
Q8BMA6	Srp68	Signal recognition particle subunit SRP68	165.72	6.72	70574	2	15306.9546	2250.0949	29252.7222	28860.344	2431.2462	51963.612	4471.9948	4944.822	48856.0022	34776.3126	43856.0022	43856.0022	43856.0022	43856.0022	43856.0022	43856.0022	43856.0022	43856.0022	43856.0022	
P49962	Srp9	Signal recognition particle 9 kDa protein	44.99	12.79	10194	1	1647.6099	6124.5825	607.594673	3077.66422	0.02510227	12573.1425	17011.7075	10286.8099	12382.6136	9166.32785	10788.7905	11331.6239	12123.5403	13472.7578	8587.83507	14499.1059	996.30741	12677.4399	10091.6835	
O70551	Srk21	SRSF protein kinase 1	288.67	11.27	73088	5	21810.8204	26668.858	30																	

QSDQR4	Stxbp5l	Syntaxin-binding protein 5-like	39.04	0.93	131844	1	3253.70551	215277.314	231392.833	120559.41	123350.183	296720.111	289004.347	230614.284	25405.09	268542.021	230592.827	222737.42	246193.345	266990.481	236595.897	232893.562	295600.057	269153.528	213086.157	
Q9Z129	Sucl1	Succinate-CoA ligase [ADP-forming] subunit beta, mitochondrial	277.61	12.74	50114	6	79368.7383	98842.2835	119592.996	66814.242	64565.1975	133447.496	95009.3341	121204.936	123488.909	89795.174	107680.283	90834.3692	87348.5745	73640.2759	98872.5193	105434.632	95258.3567	80501.7614	110462.135	
Q9WUM5	Sucl1	Succinate-CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial	433.64	27.75	36155	7	231912.95	18402.164	187430.511	129636.35	49830.263	193907.457	182259.588	188259.588	132151.93	122340.988	104735.738	133177.817	127417.085	189844.016	184319.249	147872.719	136794.24	141062.35		
Q9Z218	Sucl2	Succinate-CoA ligase [GDP-forming] subunit beta, mitochondrial	608.22	23.79	46840	8	206805.251	156263.482	141373.895	63352.888	57159.8173	157275.51	174826.401	189690.25	187769.64	127445.696	136612.149	129980.691	130585.598	111634.177	186076.029	149961.775	110111.174	132786.065	170354.146	
Q9CX34	Sucl1	Formyl-SGT1 homolog	53.67	3.27	38159	1	13771.5887	003111494	030702580	74967.43842	0202510227	030665024	030877705	127890.988	030720765	003794434	6280.42138	11405.2239	10143.1154	10897.7164	2999.85366	030380805	030396139	030343898	9276.69125	
Q8A028	Sumf1	Protein-lysine-generating enzyme	129.39	8.6	40659	2	10180.6611	17331.8057	202075.809	10574.2043	022510227	14611.2271	12304.6785	144160774	17127.0493	15179.2174	16033.258	15819.7669	17644.5864	15127.9567	16771.1895	15217.0537	18202.5865	17020.290	2995.1187	
P61957	Sumo2	Small ubiquitin-related modifier 2	79.17	12.63	10871	1	230711.028	142459.508	140414.779	99912.188	16170.217	107408.942	94385.5761	112309.322	109526.549	156177.352	134808.253	153274.228	153178.141	157605.363	145311.063	154379.008	147822.511	167343.401	149945.081	
Q81854	Sumo2	SUN domain-containing protein 2	174.46	8.07	81605	3	30228.8966	8485.2583	3874.73819	36734.1996	27493.913	11887.4297	6870.26848	19979.899	17465.4044	4923.20843	8847.74968	11921.5013	3896.06763	13748.2789	85033.67899	9896.02869	10724.7156	7033.60254	10879.1526	
Q9Z089	Supf16h	FACT complex subunit SPT16	687.13	16.62	119829	13	14964.652	149665.262	148665.567	170846.267	165165.037	213954.345	18357.567	170846.267	12767.4452	176887.082	188066.809	185758.863	158131.756	168287.069	185831.366	146827.069	137506.45	139666.40		
Q55201	Supf5h	Transcription elongation factor SPT5	416.61	11.55	120664	7	7682.54601	33698.7915	34357.3127	56390.3647	36173.4851	30668.6267	2639.295	27437.4971	34528.1159	46813.2656	48024.5272	4726.4886	5742	40724.7052	41805.0743	33746.8144	42768.6471	34876.4861	41496.8214	36674.8874
Q96283	Supf6h	Transcription elongation factor SPT6	52.7	1.22	19966	2	0.04731231	3405.88116	2518.87654	1170.17972	3862.51102	3242.91167	9232.86356	1484.79108	1401.5681	36673.6029	3424.54599	2703.53248	2430.01947	2826.16859	2591.4116	3833.44692	4291.12699	3748.47906	1631.53672	
Q64310	Surf4	Surfactant locus protein 4	99.48	5.95	40381	1	129431.425	4296.2227	48383.8275	9816.2129	5504.96862	3316.97319	3105.92928	3573.37079	8227.8662	2391.34168	2864.57226	3715.6157	2658.52694	4849.3039	3967.03441	2267.60834	2959.65244	3051.3219	1824.73583	
P70279	Surf6	Surfactant locus protein 6	129.53	5.35	41235	2	1.02931.425	31.281.035	30890.9878	43458.8155	41337.2448	28386.6894	22852.0613	25175.7226	28016.3355	26155.0975	23771.5438	26552.8929	25288.405	29846.0328	25559.7211	23694.7872	27540.3636	26198.2786	29661.5824	
Q80U70	Surz2	Polycorn protein Surz2	116.16	3.91	83026	3	17283.2847	35374.2185	27673.5372	38284.3847	36183.0858	18902.4532	24789.9266	24239.7545	26188.1075	39626.5138	32425.7595	19515.4693	31990.1166	38161.0622	37545.4856	34109.4137	32410.2121	40885.6585	20316.0711	
Q80X82	Synp1c	Synaptic protein complex 70	180.97	4.62	68996	3	0.04731231	87067.9063	83304.8704	329260.453	38313.7831	106275.313	87902.6013	96265.1195	84490.1162	96645.3806	83552.425	85063.7442	87660.6738	72834.6717	76791.8369	93022.0903	112209.462	100754.72	82464.4653	
Q80X82	Synp1c	Synp1c	110.55	3.5	142284	3	9144.44734	26059.6449	26467.9648	76635.8956	36625.1825	43067.544	34700.856	46375.815	33618.0424	17608.978	27811.8347	23988.117	19671.3667	17949.336	25467.0192	37728.7502	33447.3646	38263.2303		
Q7MTKM9	Synrnp	Heterogeneous nuclear ribonucleoprotein Q	922.28	32.1	69633	18	484203.977	962861.006	86048.3828	676375.998	76066.2175	766345.628	817509.498	723373.851	746362.668	1079712.09	870398.229	867154.435	976362.931	856737.559	118912.255	933568.27	937102.726	995655.97	860487.709	
O55110	Synrnp2	Synrnp2	39.66	4.46	24778	1	0.04731231	25532.8455	18369.36	24030.9648	1320.6792	15830.7168	25983.3712	20261.6994	24500.8675	24469.235	19166.7098	20937.4656	24844.9267	20640.7935	16843.4415	16920.8415	23721.8152	18470.3926	11600.2773	
Q9D6K5	Synrnp2b	Synaptonemal 2-binding protein	43.16	9.66	15815	6	4153.54528	8378.41948	8290.6698	020587718	8975.23747	030665024	030877705	11531.7882	8928.48296	2565.53219	9635.25496	9173.42544	030267026	030520376	14682.711	030380805	7175.30585	8245.76256	030500218	
O09117	Synp1	Synaptophysin-like protein 1	83.03	4.21	28899	2	1.472.04468	31927.8794	26611.9759	35759.3499	36655.9758	49614.9922	47033.0458	1737.37027	34701.2243	29850.3496	26663.6758	34774.5265	30417.7692	25672.0757	32196.3076	38704.1099	41831.4218	17211.0486	32560.3066	
Q9WVA4	Tagln2	Transgelin-2	1756.11	79.4	22395	24	1534719.94	1218.40455	141670.25	80504.663	9447.51251	171049.437	1730100.91	175174.531	1748610.51	2263078.68	180811.18	1908007.95	1931821.81	1832674.82	1505152.63	1799258.12	1756856.73	165204.48	162386.15	
Q92111	Takol1	Tandisolidase	52.24	1.23	33867	25	13783.64	1707.74074	7927.39443	20067.5862	7042.72816	6172.5331	5505.40775	5968.83877	4917.51896	030794434	5895.57302	6351.55525	6740.17397	11937.415	9365.40254	7475.32526	6047.11754	8675.3444	5125.21855	
Q93U1H	Tampn4l	Phosphatidyl cytidyltransferase, mitochondrial	38.32	3.86	37828	1	0.04731231	7007.74074	7927.39443	20067.5862	7042.72816	6172.5331	5505.40775	5968.83877	4917.51896	030794434	5895.57302	6351.55525	6740.17397	11937.415	9365.40254	7475.32526	6047.11754	8675.3444	5125.21855	
Q93U47	Tao3k	Serine/threonine-protein kinase TAO3	164.73	5.01	105474	4	18064.2631	20879.7553	22225.3899	14818.1834	12889.2527	29802.6756	31939.5362	26090.9619	26644.056	29851.92	22277.7736	22857.4342	31172.1674	34645.3236	22879.1927	20491.4874	33557.1456	29889.2059	25845.1906	
P21958	Tarp1	Antigen peptide transporter 1	107.65	4.14	78864	2	0.04731231	1139.51877	10025.3089	11827.5826	18998.5264	8184.02121	6174.32101	9049.39659	9523.51601	6790.3126	1034.22215	11079.9135	4469.80524	11541.0352	12027.6346	9548.49928	9668.30522	8355.75826	8929.72691	
P36371	Tarp2	Antigen peptide transporter 2	55.25	1.85	77445	1	0.04731231	12185.8808	14865.6695	26815.7684	28254.7826	14726.4519	13269.3196	17344.5183	16008.5175	030794434	9044.59272	12068.8031	8734.83863	10348.7235	11320.545	10899.577	10872.8925	030343898	10560.1788	
Q96273	Tarpp	Tarpp	258.6	14.62	49736	5	9154.20479	3140.2813	116374.609	136498.59	133590.127	62632.4408	61985.2012	68176.3499	79888.523	7118.0602	80063.1942	71817.7806	68188.7849	79938.8614	68947.2381	86342.1613	69823.9469	79565.1883	85584.2709	
Q92172	Tarppb	TAR DNA-binding protein 43	810.68	39.61	44548	12	391912.19	251283.948	285981.268	38720.2627	38140.758	379621.681	359743.211	399204.469	417207.758	292226.474	3114423.575	36705.552	28845.638	40228.949	33908.258	38019.374	31321.6271	311659.655	319091.946	
Q92172	Tarppb	Tarppb	810.68	39.61	44548	12	391912.19	251283.948	285981.268	38720.2627	38140.758	379621.681	359743.211	399204.469	417207.758	292226.474	3114423.575	36705.552	28845.638	40228.949	33908.258	38019.374	31321.6271	311659.655	319091.946	
Q92172	Tarppb	Tarppb	810.68	39.61	44548	12	391912.19	251283.948	285981.268	38720.2627	38140.758	379621.681	359743.211	399204.469	417207.758	292226.474	3114423.575	36705.552	28845.638	40228.949	33908.258	38019.374	31321.6271	311659.655	319091.946	
Q92172	Tarppb	Tarppb	810.68	39.61	44548	12	391912.19	251283.948	285981.268	38720.2627	38140.758	379621.681	359743.211	399204.469	417207.758	292226.474	3114423.575	36705.552	28845.638	40228.949	33908.258	38019.374	31321.6271	311659.655	319091.946	
Q92172	Tarppb	Tarppb	810.68	39.61	44548	12	391912.19	251283.948	285981.268	38720.2627	38140.758	379621.681	359743.211	399204.469	417207.758	292226.474	3114423.575	36705.552	28845.638	40228.949	33908.258	38019.374	31321.6271	311659.655	319091.946	
Q92172	Tarppb	Tarppb	810.68	39.61	44548	12	391912.19	251283.948	285981.268	38720.2627	38140.758															

Q510H4	Tmc01	Calcium load-activated calcium channel	241.41	24.47	21175	4	218376.542	11798.751	128945.512	160504.981	154269.038	148016.359	115456.27	150071.69	13715.21	122425.40	120488.39	117030.789	120398.665	121623.927	138345.615	162649.779	119293.052	131313.404	135383.518	
Q63584	Tmed10	Transmembrane emp24 domain-containing protein 10	412.94	27.85	24858	7	286869.873	194174.272	232581.43	244686.974	233169.59	257668.126	283257.092	292041.53	1824208.664	187218.184	193910.214	208421.504	209427.663	231512.07	253509.269	203677.617	205443.928	255107.598		
Q63524	Tmed2	Transmembrane emp24 domain-containing protein 2	220.16	12.44	22733	3	12863.1198	8743.41214	119833.749	56612.456	21605.2885	12710.1931	8431.67091	13351.2367	202.33078	7901.34415	5431.72658	4172.63612	6098.43608	0.03502376	2552.37772	8446.45197	13275.3867	8407.3482	7968.66764	
Q8R1V4	Tmed3	Transmembrane emp24 domain-containing protein 4	193.16	14.98	26022	4	0.04731231	12757.16258	14189.5638	0.02587718	4176.17368	17068.2349	3474.25237	9480.12452	19654.3431	6059.37315	14474.3826	14690.5656	2563.4733	4448.22341	75751.201	11862.3128	10601.151	8665.5421	15962.6369	
Q8R1V5	Tmed3	Transmembrane emp24 domain-containing protein 4	111.79	13.97	25236	3	0.04731231	13489.0761	18224.6561	13234.0854	11523.3075	14645.921	6917.60369	80867.3316	11846.2409	11017.7412	14129.9065	7015.6991	7015.6991	11017.7412	14129.9065	7015.6991	7015.6991	11017.7412	14129.9065	
DZ1X70	Tmed7	Transmembrane emp24 domain-containing protein 7	66.08	5.75	24629	1	0.04731231	12995.1955	14162.5277	16093.0697	13656.7384	10451.1504	10126.4462	9890.1232	90011.90332	8268.74287	8126.51205	2795	7864.3915	12573.7131	1381.2886	7087.1054	9049.59122	10654.9194	9398.69352	
Q510E7	Tmed9	Transmembrane emp24 domain-containing protein 9	314	20	27028	6	0.04731231	103490.725	92747.7037	60923.081	84126.8004	106826.249	100967.668	124541.405	123166.881	83799.4088	102047.244	93522.4277	92009.4344	91997.4822	103550.129	132255.814	84523.4591	90256.6922	116241.413	
Q8VCO4	Tmem106a	Transmembrane protein 106A	39.79	6.9	29109	1	0.04731231	12633.701	1572.84531	0.02587718	9536.20418	0.03665024	0.03877705	8646.44855	8276.61876	631794.9434	9230.53113	9486.35469	0.03627604	10213.7429	11482.0421	13619.3995	14746.8465	8996.03343	11466.3991	
Q3UBX0	Tmem109	Transmembrane protein 109	111.18	11.52	26302	2	0.04731231	0.03111494	10074.6112	2399.5559	0.02510227	14039.813	11738.0897	4673.70217	4892.9208	10984.7166	9260.4373	12574.9515	6952.54169	10150.5348	9205.2026	18520.9287	24963.6324	9990.72647	23496.4874	
BO8N86	Tmem11	Transmembrane protein 11, mitochondrial	39.77	8.42	21364	1	0.04731231	10272.2523	13299.4533	13845.5912	11319.4538	10343.6107	11102.1928	1112.7687	8672.23791	8328.40561	10448.4236	10576.4035	1902.19701	14549.3577	15203.3727	13827.2543	9316.1181	10814.8954	13841.2024	
Q9C0N6	Tmem14c	Transmembrane protein 14C	358.02	92.11	11642	5	11584.4074	54295.92	67770.9326	99481.831	68706.5449	73741.6039	43216.7006	60226.2638	3085	8021.3215	47555.427	42587.4653	52786.7074	36727.4512	45255.9231	65345.7765	67400.8573	64398.5204	44029.9186	58595.1303
P52875	Tmem165	Transmembrane protein 165	56.39	3.41	34791	1	1201.16985	5335.5975	7376.12484	13977.8154	13394.7393	9099.28125	5196.07834	6281.46555	8905.47455	2559.03462	6448.89457	7335.27559	4287.02073	7255.29151	7667.09565	5562.02944	7012.61858	7487.07404	7259.11987	
Q9CR64	Tmem167a	Protein kish-A	96.69	25	8074	2	18462.0059	21154.162	2264.7515	29002.5246	23158.2102	20386.2152	16881.0267	16389.19995	7211	14055.427	11805.9253	21965.0076	18656.179	2007.3223	22545.5378	20394.6676	23552.8869	18510.400	18000.2846	
Q31BT3	Tmem173	Stimulator of interferon genes protein	71.12	5.82	42830	2	0.04731231	19784.1495	25104.1568	22048.225	15396.4899	23844.5176	18731.2517	23232.6375	12727.088	15850.012	19629.508	20657.225	15831.3055	18637.549	25486.2926	26787.1627	18895.9614	15175.0865	22237.0234	
Q9R1Q6	Tmem176b	Transmembrane protein 176B	48.2	5.7	28367	1	0.04731231	1738.73031	486.717841	1142.61231	2822.19827	0.03665024	0.03877705	1089.80253	0.03458008	672.408419	1648.04201	5929.46915	5750.53537	2597.18254	2095.33949	667.42707	1852.254	2055.3949	667.42707	
Q91XL7	Tmem189	Transmembrane protein 189	37.2	3.69	31134	1	6157.2315	11564.9036	12987.7633	12949.1837	12456.1504	19811.3677	16686.8213	21920.8701	16720.0491	9477.466	0.03500571	12610.7277	14383.6689	12987.2769	16926.95	0.03808805	8912.46056	10545.065	9834.97309	
Q91X0E	Tmem205	Transmembrane protein 205	56.21	8.99	21180	1	0.04731231	6291.14662	7441.24478	2272.0774	7864.40077	13541.7824	12212.9759	13890.4893	15377.636	614.98226	8413.7746	8266.49201	6927.47979	12639.2754	10123.9324	8472.77785	7237.02847	7397.51510	7313.76786	
Q9D7Y1	Tmem206	Transmembrane protein 206	155.94	21.14	40178	4	4880.4919	23073.1897	23436.1177	28640.7399	25103.4928	48971.954	38707.6903	39301.7007	44395.589	26785.385	32696.0057	27660.2132	22826.6551	28354.7624	24854.4141	31160.2155	9233.9974	24610.9451	32770.7282	
A111L2	Tmem214	Transmembrane protein 214	65.71	2.04	76566	1	1201.16985	5335.5975	7376.12484	13977.8154	13394.7393	9099.28125	5196.07834	6281.46555	8905.47455	2559.03462	6448.89457	7335.27559	4287.02073	7255.29151	7667.09565	5562.02944	7012.61858	7487.07404	7259.11987	
Q9CR67	Tmem33	Transmembrane protein 33	189.19	13.36	28031	4	0.04731231	22995.1955	22745.8227	14460.2544	86011.2159	21145.156	55350.4468	7748.21714	3899.458	2679.1819	6798.261	45617.234	69466.4713	93382.1858	68443.0795	5831.9015	59182.1379	67018.2914		
Q9DBS1	Tmem43	Transmembrane protein 43	347.7	24.75	47873	7	69471.4752	104128.401	109407.81	188976.584	189336.018	135606.25	122652.54	141772.244	132666.965	64239.5447	98725.0883	7970.7432	8961.5119	10819.6174	118921.844	105921.864	102901.044	81413.611	93970.391	
Q9QY73	Tmem59	Transmembrane protein 59	40.88	3.1	36314	1	0.04731231	12825.589	1456.7456	0.02587718	0.02510227	0.03665024	0.03877705	0.03837823	4360.92052	1927.97538	4048.77054	2243.12645	0.03627604	0.03502376	8652.73466	9050.40572	4598.19262	0.03434898	9359.01011	
Q91Y18	Tmem63a	CSCI-1-like protein 1	41.22	14.9	91860	1	0.04731231	4121.5018	0.03072004	9944.23632	7723.90186	5140.98709	0.03877705	7857.19117	5247.86328	303979434	0.03500571	0.03545808	0.03627604	4793.44152	4072.68768	4529.54042	4836.55215	0.03434898	2647.1631	
Q91H50	Tmod3	Tropomodulin-3	319.1	29.26	39033	7	77803.4459	102653.149	75689.3352	37231.7175	38266.5751	111544.737	138381.206	128167.515	138622.478	162771.633	147554.548	107641.658	153841.922	136917.342	135151.302	131182.008	106112.128	141323.634	126935.467	
Q61029	Tmpo	Lamina-associated polypeptide 2, isoforms alpha/beta	1022.51	44.25	50373	16	360936.36	432833.493	438975.846	654360.313	753318.362	362701.11	329790.914	400693.89	424024.039	352888.387	352456.984	340895.791	337339.603	337688.053	423300.767	408709.293	34398.536	362274.255	411512.84	
Q61033	Tmpo	Lamina-associated polypeptide 2, isoforms alpha/zeta	75.44	25.54	2543	13	150980.836	208199.151	235773.922	379902.034	406267.54	27702.86	282208.15	232132.229	211522.943	70883.277	211792.02	402267.02	267325.042	227089.286	190369.694	206249.411	25582.152	46227.152		
P63312	Tmb10	Thymosin beta-10	101.43	47.73	5026	2	21129.219	10570.0778	22474.7328	13408.139	18031.3214	34521.1736	29484.7719	29630.9196	26769.4399	24747.1686	26758.409	22156.448	27832.173	28734.3319	15470.9723	21785.4668	31219.3795	22493.802	1824.1702	
P62329	Tmb4x	Thymosin beta-4	147.93	68.18	5053	4	11543.665	12197.1771	151985.256	78785.3262	74458.4539	257877.036	287954.419	307944.773	22006.946	23654.571	192928.209	207134.411	24234.691	220908.751	17739.547	151783.802	234993.583	183105.359	163817.460	
Q8VBT0	Tmx1	Thioredoxin-related transmembrane protein 1	171.11	12.59	31396	3	11658.835	9509.5214	103916.966	120997.835	124867.113	106178.657	88709.391	124867.113	91601.669	78706.864	92172.4051	87334.0287	76702.241	78519.3395	91739.2605	91766.404	92172.4051	91766.404		
Q5XHK2	Tmx2	Thioredoxin-related transmembrane protein 2	185.8	12.59	31396	3	0.04731231	2173.10065	17101.8937	44017.2839	30045.1063	10317.4743	5693.57541	10744.403	14855.7	13544.403	6241.33156	18940.1631	7338.93921	22199.8831	23421.8359	9607.81246	9690.75047	5359.29796	6674.44011	
Q8XZ1Z	Tmx3	Thioredoxin-related transmembrane protein 3	129.52	6.8	51848	2	13181.4198	12575.9035	9364.1651	22362.8265	17140.3007	11907.8428	13380.1213	16690.5807	16684.8232	5051.8135	13122.297	30866.6013	11849.5709	10236.7896	12994.7468	13092.6375	40776.5768	34590.5462	37285.7892	
Q8C0L0	Tmx4	Thioredoxin-related transmembrane protein 4	146.54	7.46	37131	2	14963.7142	17537.6817	16564.9304	18454.4418	18141.5409	19874.4724	23427.0595	24760.7701	22704.875	18404.861	119092.1122	13925.2097	15755.667	21360.5823	15348.4037	19937.3349	16028.5238	15664.1795	19898.9127	
Q9D8Y7	Tnfrsp182	Tumor necrosis factor alpha-induced protein 8-like protein 2	57.02	7.61	20635	1	0.04731231	4389.84258	6935.9655	9353.20549	0.02510227	10820.690	19488.													

Q6CZ8R	Tsfm	Elongation factor Ts, mitochondrial	177.19	17.28	45334	3	6596.23523	13444.1703	13790.3529	22119.3203	7039.9589	13288.0879	17281.6859	16866.906	16833.3738	11665.288	16051.96	12576.1195	13071.5592	17772.8947	9956.83262	16437.1471	12189.7398	8522.0387	15894.2805	
Q61187	Tsg101	Nuro susceptibility gene 101 protein	36.03	30.17	34324	1	4.00731231	6894.1851	17969.5409	23258.5917	13156.1186	27529.2138	22349.2587	22340.0092	25772.2616	23859.2601	22415.5960	22322.2971	18105.6161	19149.4489	21761.8765	24646.8621	14070.5192	24699.7953	20351.5939	
Q62348	Tsn	Translin	380.23	31.14	26201	7	80855.3035	92993.5219	67909.8497	34407.4657	36267.3645	95676.9352	128270.5931	119060.437	86038.968	139922.963	129196.042	101360.977	150034.219	110752.769	97488.1516	130246.489	88918.2664	123957.381	11694.521	
Q9OZET	Tsx	Translin-associated protein X	278.92	21.03	32926	5	4.00731231	10705.7306	16285.3961	5490.0059	12769.8543	18202.491	16387.6236	15142.4095	10905.1198	20266.382	21798.6134	17632.8128	19741.6481	25265.2176	21431.4554	25903.5035	20249.104	19104.2708	11682.924	
Q9OC08	Tspan31	Tetraspanin-31	77.46	5.71	22694	1	1.1218.3029	6041.44001	7915.82396	9880.36664	7720.35455	40957.2667	9604.29921	14037.2885	9903.17861	6360.3291	5294.08589	7095.43081	6386.12518	6209.02396	4291.91888	7577.9841	7966.6911	691.9718	8851.88793	
P05067	Tspo	Transcription protein	99.86	23.67	18841	2	754.653659	3519.0703	45558.1294	7512.044	51781.9417	39914.7472	41834.2859	5193.9514	17873.918	10967.9299	5294.08586	36496.8274	11394.2795	40879.2299	27969.5465	37507.5191	37155.1339	31909.6421	11783.3009	
Q95WD9	Tspc	Pro-cDNA-processing protein TSR1 homolog	232.45	6.1	9245	1	1130.30871	28756.1049	22580.246	9991.3734	30819.9976	18239.0305	25919.7865	24586.4297	28838.841	2549.6112	45796.1672	44583.6582	35232.8614	37196.2184	2446.0232	506110.766	26195.404	34241.5047	34518.2849	
P23591	Tst3	GDP-L-fucose synthase	206.47	14.02	35878	4	11630.4191	10391.3319	62437.0496	2402.4857	29270.8754	126802.799	217654.744	17956.203	146869.247	22070.9797	176884.744	11261.998	228842.838	196462.619	156670.035	181464.245	98067.9398	15132.38	101907.381	
Q5NCO5	Tt2	Transcription termination factor 2	74.78	3.08	125530	2	4.00731231	6189.6314	7427.5648	48007.4294	8556.49866	6652.56209	7029.976	927.726	50075.925	60890.864	6653.653	12489.4366	9161.34895	12269.488	10098.4086	12093.6697	7762.5691	11791.14868	10478.3034	
Q3UDE2	Ttl12	Tubulin--tyrosine ligase-like protein 12	345.5	12.36	74043	7	90627.9041	74102.2242	68970.3738	41121.325	38229.0002	92359.8947	125410.791	104978.197	107708.689	111926.82	98218.6345	106894.388	114444.909	87680.6160	83680.2525	116240.858	84524.6307	94196.7781	86443.2332	
A23AS6	Tin	Tin	41.23	0.20	39068	1	30602.8689	24992.2564	14016.3453	14394.95	15220.3895	21311.8047	12243.137	16271.1799	13415.7747	2722.7223	181949.5861	21634.6162	16567.0067	25571.7598	25167.5687	24142.1590	22439.1986	12896.6947		
P68369	Tuba1a	Tubulin alpha-1A chain	2545.34	75.61	50136	37	6213955.58	3801159.44	43373.937	2514099.3	2563806.52	6599144.23	5913921.24	491223.27	6271672.27	5087306.51	5094805.81	5590523.36	50409677.2	5941381.54	48629320.9	5707321.77	5578962.76	4947061.98	5802778.13	
P05213	Tuba1b	Tubulin alpha-1B chain	2055.20	78.71	50152	39	6767609.58	408623.707	4546485.24	2678089.22	237082.59	229954.24	425497.22	429522.27	6489750.51	5548398.61	5452803.53	54606195.01	778792.97	7956812.94	7956812.94	1600646.79	606733.99	6167845.16	7114088.09	
P68373	Tuba1c	Tubulin alpha-1C chain	2609.35	79.06	49909	38	6360490.6	3751747.17	4229961.99	2459190.61	252085.93	6435394.49	5841099.17	479877.56	6131783.88	5047068.77	5028788.18	5405897.84	4092361.18	5893877.55	4765790.16	5648245.08	5429653.29	4886309.35	568075.22	
P68368	Tuba4a	Tubulin alpha-4A chain	2081.07	60.27	49924	30	28033198.06	16102521.66	6129472.12	1093125.88	1222539.42	3548193.26	3208897.90	3730030.74	2811927.05	2603120.14	2441390.41	2615456.18	291584.98	2221054.75	2649814.91	295364.1	2697578.62	240956.46	2642317.5	
P85108	Tub2a	Tubulin beta-2A chain	62.99	61.57	49070	37	7383168.88	367025.23	438541.55	2462368.33	3090302.54	569201.27	564997.63	6565942.78	564465.63	4505942.38	3801296.91	6542920.90	4312423.49	6269254.97	5159272.92	6137912.92	529811.87	4775623.19	6151829.96	
Q3KRE8	Tub2b	Tubulin beta-2B chain	2438.98	70.34	49953	38	7334382.52	3668544.07	3439993.04	2462368.33	3087062.14	658711.23	5951606.49	656468.16	564665.63	571501.665	5804821	6546841.79	431870.25	6272369	5161782.63	6142088.58	5302613.24	4778365.06	6157280.22	
Q40R84	Tub4	Tubulin beta-4 chain	1717.98	38.89	50450	26	5009796.22	2378412.34	327922.04	1730874.43	206450.20	5739917.85	5149749	570178.67	446605.95	4520304.70	4330533.84	5133690.99	3499330.18	4675135.45	403916.06	4546964.75	3924904.6	3796529.34	4417010.1	
Q9D6F9	Tub4a	Tubulin beta-4A chain	2308.44	71.62	49886	37	9175777.04	5111014.79	5016388.98	2900449.15	8185764.47	820695.9	6588883.63	7492532.83	7124205.92	616854.32	480308.34	7025546.27	5659068.8	7007555.31	7183730.76	6693652.23	555705.14	5504350.67	6407893.04	
P68372	Tub4b	Tubulin beta-4B chain	2682.93	83.6	49951	44	912778.77	5037660.60	562381.71	323887.97	4592130.46	9030766.02	1755907.18	8521135.06	818245.41	691227.65	5458760.78	7919015.53	6406195.01	778792.97	7956812.94	7956812.94	1600646.79	6167845.16	7114088.09	
P68997	Tub5	Tubulin beta-5 chain	3041.04	83.78	49671	44	10746146	5888124.7	6566799.39	3785012.38	4370885.53	10412301.7	9030167.42	1008322.18	8831412.33	8232971.70	7000908.39	5828985.17	6968109.92	922288.58	2478783.45	9051149.88	7330895.47	729811.91	8690905.55	
P68368	Tub4a	Tubulin alpha-4A chain	2081.07	60.27	49924	30	28033198.06	16102521.66	6129472.12	1093125.88	1222539.42	3548193.26	3208897.90	3730030.74	2811927.05	2603120.14	2441390.41	2615456.18	291584.98	2221054.75	2649814.91	295364.1	2697578.62	240956.46	2642317.5	
P85108	Tub2a	Tubulin beta-2A chain	62.99	61.57	49070	37	7383168.88	367025.23	438541.55	2462368.33	3090302.54	569201.27	564997.63	6565942.78	564465.63	4505942.38	3801296.91	6542920.90	4312423.49	6269254.97	5159272.92	6137912.92	529811.87	4775623.19	6151829.96	
Q3KRE8	Tub2b	Tubulin beta-2B chain	2438.98	70.34	49953	38	7334382.52	3668544.07	3439993.04	2462368.33	3087062.14	658711.23	5951606.49	656468.16	564665.63	571501.665	5804821	6546841.79	431870.25	6272369	5161782.63	6142088.58	5302613.24	4778365.06	6157280.22	
Q40R84	Tub4	Tubulin beta-4 chain	1717.98	38.89	50450	26	5009796.22	2378412.34	327922.04	1730874.43	206450.20	5739917.85	5149749	570178.67	446605.95	4520304.70	4330533.84	5133690.99	3499330.18	4675135.45	403916.06	4546964.75	3924904.6	3796529.34	4417010.1	
Q9D6F9	Tub4a	Tubulin beta-4A chain	2308.44	71.62	49886	37	9175777.04	5111014.79	5016388.98	2900449.15	8185764.47	820695.9	6588883.63	7492532.83	7124205.92	616854.32	480308.34	7025546.27	5659068.8	7007555.31	7183730.76	6693652.23	555705.14	5504350.67	6407893.04	
P68372	Tub4b	Tubulin beta-4B chain	2682.93	83.6	49951	44	912778.77	5037660.60	562381.71	323887.97	4592130.46	9030766.02	1755907.18	8521135.06	818245.41	691227.65	5458760.78	7919015.53	6406195.01	778792.97	7956812.94	7956812.94	1600646.79	6167845.16	7114088.09	
P68997	Tub5	Tubulin beta-5 chain	3041.04	83.78	49671	44	10746146	5888124.7	6566799.39	3785012.38	4370885.53	10412301.7	9030167.42	1008322.18	8831412.33	8232971.70	7000908.39	5828985.17	6968109.92	922288.58	2478783.45	9051149.88	7330895.47	729811.91	8690905.55	
Q922F4	Tub6	Tubulin beta-6 chain	1790.93	61.97	50090	29	294188.49	1698612.38	1964039.07	1026511.09	1371991.1	3370991.13	2766739.34	3299303.11	296075.06	4670212.04	4710833.25	3213548.39	2543417.65	2978527.99	2754923.62	3055240.51	2481304.35	2278861.86	266915.59	
P83887	Tubg1	Tubulin gamma-1 chain	67.79	42.1	51101	1	4.00731231	2984.79189	4133.87809	4667.9925	5640.42208	5924.22042	2988.1985	36049.279	6067.21445	3882.7107	3934.57278	5836.36976	1452.09538	5696.19288	5955.03185	3668.20937	4547.68456	3420.5799	4632.01803	
Q8BF85	Tuf1	Elongation factor Tu, mitochondrial	851.21	48.11	49508	15	133976.546	39107.597	401551.59	3362470.16	344110.679	499759.103	445874.799	462963.993	519615.286	37304.265	30668.1085	4737957.516	380500.853	389523.287	485144.744	501575.527	421563.185	389432.691	413482.844	
Q5RJR2	Twf1	Twinfilin-1	398.27	22.86	40090	7	11289.8206	46012.0562	19398.6688	3072.4385	21655.1024	31725.960	32990.5076	28477.1897	4809.5848	346638.223	38352.6899	37311.4495	45501.0009	29131.3426	39192.3392	35994.3889	2640.71823	3794.34266		
Q9Z0P5	Twf2	Twinfilin-2	386.7	32.95	39471	6	40657.5994	44925.744	41433.6256	11580.047	20874.7874	39470.3299	55303.7876	63893.1808	51700.6425	68882.198	51021.6615	52979.4886	60452.6487	59526.1789	5189.5391	5915.6907	4212.7	52987.7062	53633.0726	49301.0492
Q9GPM1	Txn1a	ApoAII-taxilin-1	47.46	6.14	62369	2	3961.02975	00011494	4024.70165	9302.1527	13615.2501	11793.1527	12276.6619	12770.6287	15227.606	15457.5373	14837.3733	15862.1797	1919015.53	6406195.01	778792.97	7956812.94	7956812.94	1600646.79	6167845.16	7114088.09
P10639	Txn1b	Thioredoxin reductase 1, cytoplasmic	234.85	35.24	61875	4	16537.086	133324.82	133299.788	52496.5637	6534.9313	147308.755	115519.915	131788.844	266506.416	175588.938	155624	19137.37	149358.642	175588.938	14617.078	149358.642	175588.938	14617.078	149358.642	
Q49805	Txndc12	Thioredoxin domain-containing protein 12	151.16	21.7																						

Q9RC68	Uqcrf8	Cytochrome b-c1 complex subunit Rieske, cytochrome b-c1 complex subunit 8, mitochondrial	468.94	44.89	29368	7	10159.8812	98059.1748	120605.669	179049.915	145658.606	42924.9354	45002.9316	43722.4403	43668.808	91666.588	91666.588	12046.5437	409064.334	83822.803	113660.547	131021.629	117465.112	71747.1594	91145.266	117158.872		
P99028	Uqcrh1	Cytochrome b-c1 complex subunit 6, mitochondrial	49.72	20.22	10435	1	7045.5811	6733.92596	7141.78004	10603.765	11055.41	4753.45095	4497.68734	5584.86877	5233.2106	9568.7254	9568.7254	12046.5437	409064.334	83822.803	113660.547	131021.629	117465.112	71747.1594	91145.266	117158.872		
P70697	Urod	Uroporphyrinogen decarboxylase	325.71	25.89	40692	6	3719.1712	5260.7659	47090.3279	43908.741	39568.495	54745.3375	58452.9704	50317.1064	58920.6627	6371.8837	57882.1697	75091.0266	67923.7146	67421.4162	62777.2824	61254.6132	63800.2286	60327.6293	62183.4542	61828.5412	61828.5412	
P41542	Uro1	General vesicular transport factor p115	208.86	6.26	10162	5	6564.7681	9864.69159	5059.5279	4141.6998	6398.747	20029.2927	20029.2927	64158.9783	30281.3686	15334.5541	22515.9722	21377.2788	15230.6389	27577.5544	13164.6734	18335.1481	16140.7036	9776.2895	25996.0413	25996.0413	25996.0413	
P52479	Usp10	Ubiquitin carboxyl-terminal hydrolase 10	82.6	3.54	87022	2	0.04731231	10189.5357	17160.1023	10167.4375	10304.4438	5245.32739	8007.40892	8277.22059	7355.5156	13347.0946	11131.3128	16597.5764	11092.8983	14567.2975	14017.3805	14648.3825	8072.41239	29597.4389	7851.85609	7851.85609	7851.85609	
Q9JMA1	Usp14	Ubiquitin carboxyl-terminal hydrolase 14	1176.23	50.71	56002	20	184411.161	194860.886	11680.065	102386.157	107992.225	28861.156	36086.0162	35426.5625	33233.8745	350196.8	297270.329	294717.319	313251.586	235263.559	262907.627	262315.377	176.33	5.71	12325.35	12325.35	12325.35	12325.35
Q9RS41	Usp15	Ubiquitin carboxyl-terminal hydrolase 15	176.33	5.71	12325	4	0.04731231	6493.9456	10459.3196	5111.05811	5604.78793	40473.3355	58480.295	14404.3416	15095.4325	17485.4531	11876.3116	14245.7814	12189.8532	19746.1065	17803.8943	12056.0295	14432.0921	14098.0932	14098.0932	14098.0932	14098.0932	
Q3U1D6	Usp19	Ubiquitin carboxyl-terminal hydrolase 19	341.9	7.06	150549	8	23811.4662	19965.3677	14533.8177	26133.6127	29868.1934	21385.1999	20769.5155	22799.321	27509.895	18599.4430	23777.3285	35608.403	25678.5178	32153.2341	29710.4636	20781.7589	23305.6649	27340.4463	22200.7199	22200.7199	22200.7199	
Q3T1X9	Usp39	U4/U6/U5 tri-snRNP-associated protein 2	233.95	12.94	65146	5	0.04731231	6145.3677	39638.2564	5470.4371	4701.3336	5990.0778	50690.1266	61002.5387	64347.3016	60584.9407	63593.2848	60099.945	60138.6803	52386.0688	61516.9489	70719.6306	39235.9821	50440.6138	57429.3564	57429.3564	57429.3564	
P35123	Usp4	Ubiquitin carboxyl-terminal hydrolase 4	210.45	7.9	108343	5	1267.04603	17021.7085	15609.6366	1280.381	12612.9643	32138.7892	29935.1565	25710.9445	29455.2491	34145.8759	24475.2329	27409.4714	13827.5449	12827.5708	16366.4262	31314.008	28034.8117	29437.5869	32397.2446	32397.2446	32397.2446	
P56399	Usp5	Ubiquitin carboxyl-terminal hydrolase 5	1509.75	30.42	95833	19	138143.41	13601.805	126858.909	12863.783	158013.699	222550.5	244966.832	205204.689	221006.602	255675.904	230854.109	220608.765	228357.785	263247.824	177495.801	203925.432	191364.882	179520.184	19317.7197	19317.7197	19317.7197	
Q80U87	Usp8	Ubiquitin carboxyl-terminal hydrolase 8	305.92	7.96	122611	7	2891.95531	24880.2601	33572.5203	26192.4228	28951.1259	43297.3796	60349.9337	45528.5277	46444.9532	46562.2815	39575.5963	50044.113	47590.7172	55242.1524	39617.0594	49844.13	29261.6498	47540.5549	44252.9559	44252.9559	44252.9559	
Q8C7V3	Utp15	U3 small nuclear RNA-associated protein 15 homolog	342.11	17.05	59375	6	42184.4449	72487.8386	25428.0362	68873.5713	76996.9084	46492.6798	61439.5175	56912.1274	57676.0132	79256.1403	75925.1640	73385.6349	73141.1765	55356.7013	66784.3577	87918.0446	56842.5505	85935.0921	76209.7242	76209.7242	76209.7242	
Q5SS16	Utp18	U3 small nuclear RNA-associated protein 18 homolog	473.03	26.81	61218	8	17618.1333	83901.8752	52940.741	126951.786	96813.6822	68800.3686	47075.153	58846.1217	71499.9405	51272.6116	65765.6318	63909.6274	64889.9864	53228.3586	68187.3661	73759.904	80142.5419	80074.7091	70438.7483	70438.7483	70438.7483	
Q9J113	Utp3	Something about silencing protein 10	110.6	4.69	53399	2	5089.5626	24724.0592	21352.3161	28502.7197	29422.4084	31525.6948	28968.7389	32926.5067	22651.1272	24722.5458	25045.3883	19506.4928	25761.5891	18196.5388	21335.4419	27056.6882	19320.4744	29252.4223	23912.7485	23912.7485	23912.7485	
R8R2N2	Utp4	U3 small nuclear RNA-associated protein 4 homolog	228.43	8.6	76909	5	11325.5287	55567.2378	34006.239	70598.5938	52688.5855	29757.965	2771.8849	21896.7031	19691.0551	5175.3155	13720.2437	24422.6579	29046.5382	15605.1643	25300.4881	18294.892	20055.6779	33612.9226	19085.2337	19085.2337	19085.2337	
P63024	Vamp3	Vesicle-associated membrane protein 3	47.16	23.3	11480	1	0.04731231	30560.4916	26641.4538	0.02587718	7007.60858	37626.0717	46098.9792	43122.1247	39900.3414	39700.0517	41879.3087	42413.6948	37015.1104	33180.8883	36193.7234	44013.5025	33398.4738	43152.0688	44690.0464	44690.0464	44690.0464	
P70280	Vamp7	Vesicle-associated membrane protein 7	169.47	10	24967	3	0.04731231	19354.1838	22956.364	48106.351	28164.5023	26436.4329	21624.4471	18205.7595	27683.5924	1911.7597	15647.7142	19514.3131	12303.3465	18625.5284	21859.26	19684.5992	15453.2711	13913.9786	13461.4156	13461.4156	13461.4156	
T07044	Vamp8	Vesicle-associated membrane protein 8	70.24	16.83	11451	2	23399.466	31862.2788	33905.6042	20692.4664	21613.7166	25415.9218	22903.9881	29722.5276	29026.4447	15409.4237	11043.5786	6137.0154	16203.4643	16564.2901	18516.9104	19888.0628	22153.6117	17385.6891	2541.2103	2541.2103	2541.2103	
Q9WV55	Vapa	Vesicle-associated membrane protein-associated protein A	271.38	26.51	27855	5	148007.469	114314.174	137646.868	125768.202	141886.364	114101.201	147430.335	133319.86	161280.288	144421.596	175539.277	139891.933	139832.622	147200.433	191639.778	169326.519	101268.24	135113.999	170342.28	170342.28	170342.28	
Q9QY76	Vapb	Vesicle-associated membrane protein-associated protein B	386.67	30.83	26946	8	222004.095	150284.569	192531.163	239303.148	233613.373	167795.025	160011.106	194354.504	185610.279	181214.215	184789.645	180011.782	17928.142	126259.8	19444.492	206616.695	168996.757	180561.181	191136.919	191136.919	191136.919	
Q9Z1Q9	Vars	Valine--tRNA ligase	2117.74	37.56	102215	37	535518.156	622946.171	603316.529	348856.210	403351.108	875186.174	985716.443	922823.455	775495.945	1087413.73	943639.059	945477.36	943653.75	891225.17	903169.939	822861.558	822828.157	807272.23	74949.316	74949.316	74949.316	74949.316
P70460	Vasp	Vasodilator-stimulated phosphoprotein	356.57	20.8	39667	7	145379.838	104751.590	128491.966	61424.1753	77999.6040	159982.258	155005.568	152638.656	136999.864	172488.401	148809.363	167753.357	153485.804	143935.553	15539.964	143683.475	136846.87	138702.446	126260.601	126260.601	126260.601	
Q62465	Vat1	Synaptic vesicle membrane protein VAT-1 homolog	696.42	37.19	43097	12	59577.3807	83657.3662	79213.4403	40939.4239	38000.1883	236275.937	249956.94	21687.927	198732.057	124306.095	138503.361	108011.087	109224.77	109098.825	98813.212	106099.478	101364.937	90749.0419	10200.7235	10200.7235	10200.7235	
P27870	Vav1	Protein-tyrosine kinase	383.45	11.12	97187	8	26839.6257	47329.4785	46039.1037	59870.781	37215.358	112226.395	113309.853	119894.905	107934.766	77692.4962	66177.6314	81907.6915	74989.9901	51599.1723	56162.7863	74323.3262	82382.1086	59572.0494	69297.301	69297.301	69297.301	
Q9R0C8	Vav3	Guanine nucleotide exchange factor VAV3	65.16	3.54	97968	2	2808.77624	31140.5288	13974.7013	13722.1666	16514.151	26084.0785	23300.6027	23642.3228	19274.8079	20719.2125	16597.2347	18214.8204	16190.2245	15380.1399	13337.5505	21563.3732	15250.7793	16805.2034	16345.5592	16345.5592	16345.5592	
P81759	Vbp1	Pefelidin subunit 3	245.47	32.14	22436	5	0.04731231	30560.4916	26641.4538	0.02587718	7007.60858	37626.0717	46098.9792	43122.1247	39900.3414	39700.0517	41879.3087	42413.6948	37015.1104	33180.8883	36193.7234	44013.5025	33398.4738	43152.0688	44690.0464	44690.0464	44690.0464	
R89762	Vcl	Vinculin	822.95	16.79	116615	6	46686.6272	155204.814	143058.97	55790.7516	76044.9927	348471.619	340324.332	291403.965	295312.317	259393.316	205947.654	201935.902	221977.451	187544.833	192346.77	182226.692	187482.093	211271.393	167863.462	167863.462	167863.462	
P44662	Vcp	Transitional endoplasmic reticulum ATPase	2920.47	60.79	99349	46	163354.45	148395.59	139077.43	718608.543	647659.629	170026.63	192874.407	195733.378	185919.124	180961.077	133762.73	194314.784	1670750.29	192346.77	163602.4	147322.72	171014.3	145137.64	145137.64	145137.64	145137.64	
Q8CDG3	Vcp1	Deubiquitinating protein VCP135	100.37	2.54	134503	3	0.04731231	12300.6787	10869.3208	3555.49246	5022.79794	17430.2923	14970.7708	14073.1998	11700.9501	20527.4685	12839.8218	11950.311	14617.0883	17810.082								

Q6P1B1	Xnppep1	Xaa-Pro aminopeptidase 1	556.77	26.32	69591	11	76749.8302	112297.537	83888.9305	52347.2685	71339.7102	16919.997	170222.013	153160.399	146621.666	138518.861	135387.545	119977	142015.895	135063.158	139772.931	132706.548	118393.949	112071.929	104339.236
B7ZPM1	Xnppep3	Xaa-Pro aminopeptidase 3	64.29	3.36	56677	1	0.04731231	2646.84626	3188.72328	3461.9493	2069.14762	2836.59048	1918.50884	2211.87496	3498.70386	2211.5652	2460.73208	3131.59438	2427.49961	3614.65422	3147.79168	2684.61892	2938.76483	2774.88308	2974.88308
Q6P5F9	Xpo1	Exportin-1	608.3	12.23	123093	10	49888.5236	75843.268	57171.7716	44594.8432	44666.1165	145535.614	157314.858	160979.858	131860.922	94751.2938	117865.578	97648.7027	90377.8447	104064.342	83762.5012	116301.942	75145.5312	95970.1818	95586.4505
Q924C1	Xpo5	Exportin-5	293.84	6.64	136973	6	2931.24	15645.331	9392.94634	1801.77785	2785.4821	2925.6117	27330.847	30119.9691	35664.117	26641.351	28483.2881	22294.0863	30208.4235	2355.1621	28618.4651	11768.3525	34237.1226	17867.6169	10692.2544
P27641	Xrec5	X-ray repair cross-complementing protein 5	50.69	1.5	83057	1	79980.2145	7062.71602	5739.27158	9553.55724	7064.09107	13998.7696	16688.4414	15503.2374	14941.2526	11165.359	11972.0759	9740.49816	14578.2965	12372.2848	0.03488812	9295.75044	10220.1501	11027.2729	7881.56751
P23475	Xrec6	X-ray repair cross-complementing protein 6	39.39	2.96	69484	1	0.04731231	4848.83531	4277.81875	6883.19767	6662.72536	16687.2556	16062.23675	5374.45531	6120.26296	4921.9991	5992.17074	5120.01641	7212.29909	5683.51925	7178.78352	5458.83695	7008.31448	5382.95789	5031.99309
Q0D8R1	Xrc2	S-3'-exoribonuclease 2	869.56	21.14	108687	16	1164.78.59	14786.141	156808.914	15963.152	147410.096	164815.471	164105.418	148567.887	178670.141	183450.011	160849.488	140734.59	162891.018	189100.361	166606.695	187272.615	144631.397	172564.034	190771.776
Q91WQ3	Yars	Tyrosine-tRNA ligase, cytoplasmic	429.69	22.92	59105	10	64079.9333	134841.885	105772.966	58459.9053	65340.1234	152312.39	158547.367	164674.991	146870.578	180839.458	168553.801	165407.177	207201.584	119690.878	147986.59	158224.71	128769.773	146324.296	134048.379
Q8BYL4	Yars2	Tyrosine-tRNA ligase, mitochondrial	47.87	2.54	52597	1	10.475.9355	4688.60019	5635.74248	2106.289	5105.78919	0.03665024	3581.52343	3809.07435	6972.6286	1246.8718	3093.58799	6822.17703	5223.8899	6652.65844	4193.92931	6343.17716	5147.44471	5784.5935	6840.86131
P62960	Ybx1	Nuclease-sensitive element-binding protein 1	954.34	49.07	35730	11	55193.904	451039.121	504364.205	301279.396	303249.631	640202.3	578921.854	656204.993	648162.773	471192.437	425484.384	635524.041	646987.981	784220.136	431259.306	473685.518	479726.613	381354.256	772440.912
Q9JKB3	Ybx3	Y-box-binding protein 3	525.42	26.87	38814	7	251592.271	291969.849	340507.972	15889.567	92629.032	497364.891	413662.312	505411.47	452042.513	326651.143	243406.718	473041.687	495189.945	572465.6	303447.89	307517.222	301209.222	222268.506	569390.528
Q6PEC3	Yif1b	Protein YIF1B	40.19	5.02	28418	1	0.04731231	11106.494	11507.3322	14706.237	13084.2053	10805.8021	4272.87563	8689.85318	11236.9176	7488.42525	6229.40336	8392.4407	6778.86752	7480.12061	7723.6329	12175.9816	12156.6879	10545.7817	7277.73333
Q3UDR8	Yifp3	Yif protein YIFP3	38.61	6.63	37998	1	18005.4244	10031.1494	0.03707204	0.02597718	0.02510227	15699.5375	0.03877705	5132.5396	0.03723065	0.03500871	0.03545808	0.03620746	0.03502376	8220.76358	7872.79477	0.03396139	0.03434899	0.03500871	0.03500871
Q5EQY4	Ykt6	Synaptobrevin homolog YK16	151.14	22.73	22669	3	4108.51602	18393.5867	21355.3998	21196.5595	0.02510227	30016.8504	27360.3711	25108.7142	24663.2663	19721.5747	28353.5911	20830.079	21247.1171	12643.7409	16619.439	12034.3618	17469.6224	11264.0942	13740.8435
OR8967	Yme11l	ATP-dependent zinc metalloprotease YME11L	223.4	9.37	80028	4	19766.2409	31723.4321	40771.375	40627.3311	39793.317	36190.8369	21467.9652	30479.7671	33154.64	29637.7099	33575.8542	31206.0344	29886.7346	30891.2662	46921.0231	38956.3122	30094.7014	34010.8513	36658.4078
P62700	Ype5	Protein ypep-like 5	94.51	19.83	13845	2	0.04731231	4972.26627	3490.0019	4216.23927	4724.32492	4375.09483	6635.1985	4602.07937	5532.3293	4071.33355	4850.54539	5196.17203	4523.19422	5767.13457	4851.28015	4798.8886	3762.70563	5778.55186	5066.64239
Q3USF4	Yrdc	YrDC domain-containing protein, mitochondrial	54.49	5	29454	1	0.04731231	00311.1494	0.03707204	0.02587718	0.02510227	4216.9771	0.03877705	0.03837823	2710.50559	5952.67698	5354.08182	7002.71503	4900.37732	37529.83472	0.03488812	5125.33096	5457.09259	6042.14217	3707.1399
E9QSK9	Ythd1	YTH domain-containing protein 1	50.96	1.22	85649	1	0.04731231	7732.40079	9041.65273	24536.2641	15819.0475	4111.84351	3539.80805	0.03837823	4093.41712	9519.09739	7736.62533	12212.4039	8897.03176	11725.3455	10668.7335	9112.27918	10261.0408	7726.70868	9571.8386
P59326	Ythd1	YTH domain-containing family protein 1	87.28	4.29	60879	2	15902.1526	5058.74403	5852.8946	4577.0245	6229.40796	6371.21073	6395.57027	8255.95206	6128.44063	6988.90218	4263.96037	6832.20227	7701.21913	8026.6155	6043.38829	8052.81678	6988.57283	6041.44966	7075.51313
Q91V17	Ythd2	YTH domain-containing family protein 2	163.47	5.53	62380	3	8424.66877	40285.0551	50364.8939	27999.9302	45299.5431	60680.2889	46292.418	53405.4087	47033.3565	58961.6008	49057.2244	52993.9953	52391.6668	55483.2238	60414.5584	64152.3422	62981.1538	57311.9045	59358.078
Q8BYK6	Ythd3	YTH domain-containing family protein 3	210.46	8.72	63961	4	8424.66877	16728.8565	38883.2127	8239.9272	13391.9921	19871.1579	21605.0495	21420.6609	41022.1952	23279.9597	1544.0461	44446.2936	23077.0614	21880.3448	23485.2843	47977.9491	38649.1241	20904.3781	4521.6889
Q9CQV8	Ywhab	14-3-3 protein beta/alpha	847.91	48.37	28086	13	356454.813	1069483.02	662559.362	264373.979	365045.872	1456634.06	2762634.87	1543925.95	2338793.56	1842260.64	2007669.15	2011365.64	2382911.9	1927405.14	1696119.75	1395290.07	1578841.33	1714342.27	1639861.05
P62259	Ywhae	14-3-3 protein epsilon	1078.54	63.92	29174	19	1529188.76	1196454.22	1521907.629	632068.311	878256.362	2653177.78	4098520.78	2919056.64	3422290.56	2882598.4	3049091.98	2855572.99	3542444.58	2568402.79	2572003.24	2599693.78	2694285.45	2685746.44	2528346.2
P619R2	Ywhag	14-3-3 protein gamma	778.16	50.2	28303	14	564230.06	1006688.88	861474.75	238776.444	298922.25	1342645.52	227930.34	1508093.54	2228003.02	1726128.28	1960925.05	1867832.19	2285396.51	1841629.14	1618140.75	1347343.31	1411306.67	1634000.79	1574404.59
P68510	Ywhah	14-3-3 protein eta	540.26	32.52	28212	10	198584.324	1006688.88	861474.75	238776.444	298922.25	1342645.52	227930.34	1508093.54	2228003.02	1726128.28	1960925.05	1867832.19	2285396.51	1841629.14	1618140.75	1347343.31	1411306.67	1634000.79	1574404.59
P68254	Ywhaq	14-3-3 protein theta	757.04	44.08	27778	12	304164.958	1063463.4	617014.303	258795.627	345239.152	1440426.75	2764962.73	1555009.31	2278591.32	1854144.6	2095529.83	1979504.57	2413871.74	1938461.16	1685584.1	1413943.76	1526075.52	1721464.15	1660773.04
P63101	Ywhaz	14-3-3 protein zeta/delta	956.45	48.98	27771	14	1065028.64	1456772.41	1053165.37	493903.205	615952.851	356115.9	2292806.08	2974186.18	2514099.15	2659096.2	2607760.16	3057391.75	2443431.27	2219818.66	2026587.53	21631.51	22	228911.52	2214508.94
PKC9P6	Yyz	Transcription factor Yyz	40.02	2.13	41805	1	16762.9626	22421.9597	29007.1178	15160.1568	16322.2860	22369.2884	16411.0352	158483.387	182052.5614	25190.1525	22318.4799	34188.0652	20378.3947	20400.3445	22613.5063	22005.1063	18304.6128	19940.7904	22311.6733
Q9NZF1	Zc3h11a	Zinc finger CCHH domain-containing protein 11A	483.24	16.79	86492	10	32027.1667	63221.3888	70285.8409	134843.809	150190.1813	56653.5274	49451.658	57243.2836	52046.7703	88512.770	71652.7252	69238.8747	79548.3285	76759.9382	68261.342	68906.6491	50096.176	82817.8876	655070.4743
Q8B105	Zc3h14	Zinc finger CCHH domain-containing protein 14	80.3	4.08	82409	2	0.04731231	16225.2463	15701.2763	39485.571	32489.0398	5237.22658	9788.27932	15266.5134	14704.1207	3202.00571	11964.0211	10432.3499	12975.0142	11146.2875	17839.0982	11394.9222	12325.2942	0.03500218	0.03500218
Q3T1V5	Zc3h15	Zinc finger CCHH domain-containing protein 15	188.14	8.22	48327	3	14379.9276	40083.4627	35122.2887	23868.3891	17953.4473	43347.2148	43001.5364	38015.9664	44194.4076	48665.3799	49862.4387	34379.3551	41148.8756	39963.5161	47683.0233	45183.8005	33994.8909	40102.5919	47482.3508
Q0P678	Zc3h18	Zinc finger CCHH domain-containing protein 18	36.96	2.64	105694	1	0.04731231	5503.4619	16939.6583	17657.3611	11172.7624	3607.88737	0.03877705	0.03877705	0.03727065	6206.11455	9886.87604	7407.43531	7644.69132	13003.0683	7381.73418	11649.337	9479.75261	7545.45116	11584.5232
Q3UPF5	Zc3hav1	Zinc finger CCHH-type antiviral protein 1	96.46	2.96	106688	2	55434.1124	6697.01135	8485.31505	8106.02404	8771.72232	10522.9368	0.03877705	13400.9137	14868.7308	13105.1208	12916.5126	16543.7622	12167.8323	16797.81	8153.43992	10090.0124	10046.1129	10202.426	9942.19353
Q0D270	Zhdhc21	Probable palmitoyltransferase ZHDHC21	49.75	3.02	31331	1	6219.82855	3003.60912	4217.37611	7225.3805	5544.52396	9331.12963	1864.15524	2996.69927	4082.71933	2160.06294	3009.40172	3085.44762	2247.81194	4319.2926	3509.27694	3343.09781	2490.00618	2044.19127	2803.18259
Q91X58	Zhdhc22	AN1-type zinc finger protein 2B	65.64	5.84	27895	1	4521.34625	0.0311494	4642.88376	0.02587718	0.02587718	2678.22847	3628.6008	0.03877705	0.03877705	0.03727065	6206.11455	9886.87604</							