Supplementary table 2: List of modulated proteins, selected by the Mann Whitney U test (p<0.05)

accession	gene_name	description	protein_set_score	coverage	MW	#peptides	Ctrl5 aigu	Ctrl4 aigu	Ctrl3 aigu	Ctrl2 aigu	Ctrl1 aigu	PCL5 aigu	PCL4 aigu	PCL3 aigu	PCL2 aigu	PCL1 aigu	PS5 aigu	PS4 aigu	PS3 aigu	PS2 aigu	PS1 aigu	ratio PCL/ctrl	ratio PS/ctrl	U-PCL
Q99J56	Derl1	Derlin-1 Mus musculus	53.67	5.58	28835	1	1	1	1	1	1	695383.56	689772.31	878355.94	709373.19	594546	1	1	1	1	1	713,486.200	1.000	0
Q9Z0V7	Timm17b	Mitochondrial import inner membrane translocase subunit Tim17-B Mus musculus	97.86	29.65	18352	2	1	1	1	1	1	622943.13	422926.5	1376723.38	197996.05	494126.59	1	1	1	499238.97	1	622,943.130	99,848.594	0
O89112	Lancl1	LanC-like protein 1 Mus musculus	192.41	13.28	45341	4	1	1	1	1	1	994965.12	559782.5	135847.59	699867.62	186536.41	379077.66	836371.44	2500906	139601.56	138985.03	515,399.848	###	0
Q6TEK3	Vkorc1l1	Vitamin K epoxide reductase complex subunit 1-like protein 1 Rattus norvegicus	57.25	6.25	19779	1	1	1	1	1	1	310888.66	307323.19	357907.66	301421.75	393214.84	121063.58	145158.5	1	128785.27	1	334,151.220	79,001.870	0
Q8CD15	Riox2	Ribosomal oxygenase 2 Mus musculus	80.6	6.24	53517	1	1	1	133704.75	1	1	149578.31	174685.31	740880.56	646093.06	214841.72	856047.31	421898.31	664804.5775	568573.31	812699.38	14.405	24.860	0
Q3UA37	Qrich1	Glutamine-rich protein 1 Mus musculus	98.17	2.96	86556	2	1	1	1	1	309150.12	247838.42	612356.69	978929.75	715590	507068.59	375345.66	707732.38	1	511866.62	1	9.904	5.159	1
Q921I1	Tf	Serotransferrin Mus musculus	40.02	2.01	76724	1	102013.45	159328.11	155752.8	148320.77	200476.56	1	90406.32	1	1	1	148759.48	168299.52	495609.69	135507.33	195858.91	0.118	1.494	0
P60762	Morf4l1	Mortality factor 4-like protein 1 Mus musculus	68.15	4.97	41493	1	1	1	1	1	502476.91	800954.14	587195.44	944579.06	954411	717631.06	888498.75	779702.88	779087.875	806694.31	641455.56	7.970	7.752	0
Q3UZ18	Ice2	Little elongation complex subunit 2 Mus musculus	51.5	1.21	109879	1	1	1	90878.05	1	1	98685.12	127453.465	151975.61	110740.88	148412.25	1	1	1	97896.06	1	7.012	1.077	0
Q9JKF7	Mrpl39	39S ribosomal protein L39, mitochondrial Mus musculus	79.52	8.04	38549	2	1	1	1	1	1021457.9	636023.88	2088665	1260344.518	989535.94	1327153.25	881947.44	963224.88	1064268.925	1196912	1214991.38	6.169	5.210	2
Q99JT1	Gatb	Glutamyl-tRNA(Gln) amidotransferase subunit B, mitochondrial Mus musculus	112.23	8.98	62118	2	1	1	102240.09	73493.01	1	104468.23	94990.7	472810.88	304966.25	91236.48	406869.25	544484.88	346740.62	366681.59	304521.12	6.080	11.206	2
P40240	Cd9	CD9 antigen Mus musculus	82.53	11.06	25258	1	675273.81	1	1	1	1	890241.94	810074.12	718387.045	550148.62	623083.5	540046.19	745942.88	1	1001298.6	819471.81	5.319	4.601	2
Q80Y14	Glrx5	Glutaredoxin-related protein 5, mitochondrial Mus musculus	164.67	20.39	16292	2	1243910.62	1622689	1667235.5	1625394.8	1521464.5	1	1	1	1	1454697.5	1658647.3	1664847	2058721.25	1429776.6	1565222.12	0.189	1.091	1
Q3TL44	Nlrx1	NLR family member X1 Mus musculus	82.6	4.31	107831	2	1	1	92218.26	1	1	94391.6425	82189.41	131936.88	94933.9	68506.38	104419.41	124357.61	840515.88	104490.07	154141.27	5.118	14.399	2
Q9JIB3	Naip7	Baculoviral IAP repeat-containing protein 1g Mus musculus	48.44	1	159664	1	1	1	1	1	155616.66	171489.77	125394.54	175567.66	160654.94	149750	148549.25	161010.81	209368.28	154420.53	133799.28	5.031	5.187	2
P54987	Acod1	Cis-aconitate decarboxylase Mus musculus	98.01	6.97	53758	2	299639.91	291846.44	248784.55	270225	240629.09	1458492	1669924.5	1480523.75	1213426.5	946246	243719.55	679849.75	248249.55	650449.25	192951.84	5.010	1.492	0
Q99KW3	Triobp	TRIO and F-actin-binding protein Mus musculus	36.94	0.5	223368	1	1723626.5	458118.69	832400.36	556295.12	591561.12	1	1	423483.81	1	430223.06	1	735683.56	1	1	306627.28	0.205	0.250	0
Q9D2X5	Mau2	MAU2 chromatid cohesion factor homolog Mus musculus	45.49	1.45	69579	1	1	1	1	1	212761.06	1	214927.05	180757.03	207410.55	190853.36	237674.08	1	134185.19	412099.31	159344.03	1	4.849	3.316	3
Q9QZN4	Fbxo6	F-box only protein 6 Mus musculus	34.09	3.39	34493	1	1	1	162637.84	167165.08	1	274038.4975	260116.86	106492.98	479103.06	250441.09	395569.78	296621.91	263271.19	1	333579.06	4.155	3.908	2
Q8BX80	Engase	Cytosolic endo-beta-N-acetylglucosaminidase Mus musculus	38.33	2.45	82945	1	904896.12	779195.38	426539.28	334499.56	499742.62	1	332568.72	1	410499.41	1	256142.22	1765786.88	352041.19	512089.66	371016.25	0.252	1.106	1
O70579	Slc25a17	Peroxisomal membrane protein PMP34 Mus musculus	72.36	4.56	34413	1	1	1	347761.66	376180.12	1	550487.31	551159.405	642024.31	584707	427419	325566.53	349931.16	399883.97	357429.24	354335.31	3.807	2.469	0
Q8BRN9	Cc2d1b	Coiled-coil and C2 domain-containing protein 1B Mus musculus	177.26	11.32	93091	4	1371999.5	1659416.5	839573.56	1442658.4	1328412	1	1	739057.5	1	1032496.94	1039214.1	819558.94	1303545.25	1324366.5	709385.88	0.267	0.782	1
Q80WC7	Agfg2	Arf-GAP domain and FG repeat-containing protein 2 Mus musculus	105.3	5.64	48968	2	1484702.5	2273751.25	1767123.1	627333.81	1269668.1	247165.72	731347.94	324460.88	427272.5	260968.55	1149548.3	1068857.62	1260751.25	265365.09	1215336.12	0.268	0.668	1
P50637	Tspo	Translocator protein Mus musculus	236.83	46.75	18841	4	2466709	2821033.5	2271411.3	1237051	1778159	7695921	6235254.5	8972037	8737929	6738391	1296717	566281.31	5321369.5	3528992.8	858798.88	3.629	1.094	0
P31750	Akt1	RAC-alpha serine/threonine-protein kinase Mus musculus	170.55	10.62	55707	3	1	492466.47	335724.5	1	1	581022.835	603621.75	753850.25	392879.53	573739.81	290742.78	427943.53	1	1	556533.62	3.508	1.540	1
P35355	Ptgs2	Prostaglandin G/H synthase 2 Rattus norvegicus	73.15	3.81	69164	2	1	434050.62	510341.91	1	480667.12	912953.06	836363.19	1126251	832850.62	930620.25	696306.25	1	1	1	1	3.255	0.489	0
O88466	Znf106	Zinc finger protein 106 Mus musculus	52.08	0.74	208964	1	238164.133	179435.66	212479.5	232063.06	328678.31	222317.66	1	145488.12	1	1	1	156356.8	156256.55	173816.42	1	0.309	0.408	2
A4L9P7	Pds5a	Sister chromatid cohesion protein PDS5 homolog A Rattus norvegicus	296.95	4.95	150286	5	1156134.5	584254	723039.06	177764.41	249878.28	1886955.88	1964882.5	1777539	1811246	1777127.25	926307.38	1514655.74	3023237.5	1397084.8	711993.31	3.188	2.620	0
Q8BHX3	Cdca8	Borealin Mus musculus	42.8	5.19	32214	1	1331453.19	1219154.75	1482916.5	1462428.3	1161313.3	1034428.94	1	1	1120786.88	1	1	1796566.25	1	1	1857971.75	0.324	0.549	0
Q9DAV9	Tmem38b	Trimeric intracellular cation channel type B Mus musculus	100.84	9.93	32640	2	1	373349.81	1	508609.91	631248	848422.62	782594.12	877069.62	1150569.38	968280	477171.66	1	2558286.5	1	476266.25	3.058	2.321	0
Q9CR60	Golt1b	Vesicle transport protein GOT1B Mus musculus	130.62	10.87	15422	2	781993.62	265980.59	578484.69	796476.81	719342.25	2046161.62	1694963.75	1854236.75	1786957.25	2037514.5	347634.34	279947.84	1097789.25	866583.88	778277.25	2.998	1.073	0
Q8VDG3	Pam	Poly(A)-specific ribonuclease PARN Mus musculus	55.84	2.88	71559	1	707411.31	521207.88	314613.41	213064.92	300674.09	282153.66	230873.08	1	1	1	180222.06	1	1	636694.44	57497.78	191675.67	0.337	0.431	2
Q9QZQ1	Afdn	Afadin Mus musculus	78.26	0.99	206499	1	693560.62	456531.12	686157.88	728534.06	641195.92	584204.06	1	1	1	530395.44	619942.44	1	1	1240643.88	1	685924.75	0.348	0.794	2
Q9Z0E6	Gbp2	Guanylate-binding protein 2 Mus musculus	328.57	16.3	66739	6	1399598.88	1137903.75	1687677.4	1734748.4	1632267.5	4186428.25	3454351.75	3663100.5	3834333.25	3844498	435331.97	515872.69	450805.38	850587.19	708239.69	2.500	0.390	0
Q08849	Stx3	Syntaxin-3 Rattus norvegicus	65.64	4.84	33257	1	1	509558.16	513452.19	1	572803.81	704612.88	762831.75	580714.19	1132217.12	680086.69	825617.38	913197.62	1080308.5	748524.94	1050730.5	2.419	2.894	0
Q8VI94	Oasl1	2'-5'-oligoadenylate synthase-like protein 1 Mus musculus	173.91	10.37	59088	4	707817.94	649795.31	1533002.4	1075754	789600.75	2556290.25	1930345.25	3098048	1464529.75	2400450	884439.38	602292.06	334316.06	1477239.8	733912.31	2.407	0.848	1
Q8BGS7	Cept1	Choline/ethanolaminephosphotransferase 1 Mus musculus	135.24	8.89	46434	2	361191.38	231170.55	259827.56	219472.11	212664.34	733896.5	318800.59	517533.62	576411.38	816215.38	492667.5	492584.75	899526.12	552233.06	502412.12	2.307	2.289	1
O55100	Syngr1	Synaptogyrin-1 Mus musculus	38.68	5.13	25653	1	374370.25	1	761390.56	1	626139	722100.44	789160.12	842520.31	981986.75	642993.12	1	1	2737197	608155.06	637321.12	2.258	2.260	2
Q5M7A7	Cnrip1	CB1 cannabinoid receptor-interacting protein 1 Rattus norvegicus	57.64	9.76	18658	1	393308.31	383542.56	311323.41	1	1	433367.84	464068.06	450980.03	449471.977	634310.19	332883.31	1	761781.62	548845.94	1	2.223	1.502	0
Q61107	Gbp4	Guanylate-binding protein 4 Mus musculus	569.72	26.13	70801	11	1669344.62	2297778.5	1220139.9	1269402.6	2535150.5	3926511.75	4571053	3729223	3004584.5	4594231.5	971145.25	1849953.62	4141455	2234980.5	2348658.75	2.205	1.284	0
Q8BMK1	Mettl2	Methyltransferase-like protein 2 Mus musculus	37.87	5.14	43912	1	267386.44	1	225232.45	1	221400.7	374739.62	383189.22	267183.5	254638.42	287066.97	284501.69	1	1	140484.05	195202.66	2.194	0.869	2
Q3UHX9	Spout1	Putative methyltransferase C9orf114 homolog Mus musculus	38.88	3.12	42958	1	291593.75	286135	313785.71	391495.41	285918.69	1	173906.41	274405.44	272476.97	1	186651.97	301300.34	213783.44	292084.09	314027.22	0.459	0.834	0
Q3UM18	Lsg1	Large subunit GTPase 1 homolog Mus musculus	67.9	4.66	73157	1	141630.91	229557.31	279208.31	157580.66	125086.08	354016.56	371113.5	432591.25	459408.72	404282.5075	146052	216736.5	255368.12	324119.5	130126.53	2.166	1.149	0
Q8BK72	Mrps27	28S ribosomal protein S27, mitochondrial Mus musculus	225.09	14.22	47779	5	876639.44	1630990.38	673552.56	446247	1094332.1	2179058.5	1958977.75	3286650.25	1051865.62	1707789.88	1395136.1	1618340.75	5700497	2095996.9	2537205.5	2.157	2.827	2
Q8R5J9	Arl6ip5	PRA1 family protein 3 Mus musculus	77.99	10.64	21558	2	2351189.75	1877404.38	2207086.8	2473935	2300639	5279664.5	4097425.5	4701863	4912002.5	5094083.5	2963086.8	2905753	3110654	2879128.5	3364504.5	2.148	1.358	0
Q9D1R1	Tmem126b	Complex I assembly factor TMEM126B, mitochondrial Mus musculus	48.71	7.83	25444	1	1	284802.69	210542.03	1	278479.69	278690.59	396540.03	296255.78	319555.56	369418.25	448560.56	378515.06	422111.41	497041.75	501355.38	2.146	2.905	1
Q9WUD8	Faim	Fas apoptotic inhibitory molecule 1 Mus musculus	108.3	13.97	20201	2	1	1	344475.53	320872.97	209438.88	346953.12	318172.94	374707.225	426565.84	407137	366373.47	388318.44	1953634.75	629548.88	834468.885	2.142	4.770	2
P97789	Xrn1	5'-3' exoribonuclease 1 Mus musculus	63.96	0.99	194307	1	1	1	135512.55	170809.36	210199.34	236361.38	215295.2275	203123.08	249692.11	172004.34	1	1	234936.28	1	1	2.084	0.455	2
P11167	Slc2a1	Solute carrier family 2, facilitated glucose transporter member 1 Rattus norvegicus	148.34	5.69	53963	4	1267396.62	620533	986148.62	1223366.3	1072510.3	2232301	2269447	2408915.5	1794772	2047096.25	1495099	1454439	1548454.093	1551062.1	1693216.25	2.080	1.498	0
Q6PGC1	Dhx29	ATP-dependent RNA helicase DHX29 Mus musculus	81.86	1.61	153975	2	351119.91	368383.19	342254.19	278920.09	475181.75	488809.25	697391.5	1110252	907682	570077.06	992948.25	877705.44	497960.22	1060457.5	782219.88	2.078	2.319	0
P36371	Tap2	Antigen peptide transporter 2 Mus musculus	530.08	19.52	77445	9	5901716.5	6072938.5	4558572	6802411	5351235.5	14344416	10480225	12369736	12040290	9600347	6303327	6788849	9827144	8881731	6851001	2.051	1.347	0
Q3UPF5	Zc3hav1	Zinc finger CCCH-type antiviral protein 1 Mus musculus	33.78	1.48	106688	1	687789.12	742255.19	626952.81	668835.16	618343.5	1	658947.69	1	507989.09	480553.16	1148919.8	684355.5	904459.5	635554.62	803683.88	0.493	1.249	2
Q6QBQ4	Plscr3	Phospholipid scramblase 3 Rattus norvegicus	49.15	2.7	31646	1	1	1	558717.62	504814.47	472404.69	558987.31	522757.53	829095	619492.32	567129.44	764513.06	707083	1240394.12	784038	626367.75	2.017	2.684	1
Q8CFE4	Scyl2	SCY1-like protein 2 Mus musculus	80.93	2.69	103317	2	209605.34	670933	689671.75	260608.41	658621.62	836905.38	1027229.12	1202427.62	912685.69	1041001.12	1085442.5	1318947.38	1050971.12	1172416.3	1384522.38	2.017	2.415	0
P21278	Gna11	Guanine nucleotide-binding protein subunit alpha-11 Mus musculus	127.59	12.53	42024	3	493445.12	142835.52	572700.62	95999.52	525634.75	758720.94	531996.94	852527.94	946400.69	580516.94	971763.44	709412.81	1459181.75	949887.62	997821.5	2.005	2.779	1
P62746	Rhob	Rho-related GTP-binding protein RhoB Mus musculus	196.09	25.51	22123	3	7122772	12465041	15867153	13260767	18701275	24914457	24507079	28214903	28622235	27392081	28572125	28992017	28633509	28141063	27723997	1.982	2.107	0
Q06138	Cab39	Calcium-binding protein 39 Mus musculus	538.05	40.76	39843	12	3990343.5	2254368.75	3666693	2359264.5	2756719.5	5648757	4788252.5	7591712.5	5826624	5641549	4115340.5	3395092.75	14293237	5244429	4358472.5	1.963	2.090	0
O35207	Cdk2ap1	Cyclin-dependent kinase 2-associated protein 1 Mus musculus	71.07	11.4	12354	1	193288.06	232968.62	266159.81	259711.28	393281.91	569049.81	563931.94	552835.62	490906.62	461782.38	514584.84	596843.44	568074.555	564215.06	596654.88	1.961	2.111	0
Q3UCV8	Otulin	Ubiquitin thioesterase otulin Mus musculus	67.83	3.41	40320	1	312705.94	318992.69	784460.25	1169266.5	669981.62	1557402.88	1115170.62	1077608.12	1395989.75	1230577.5	1	1	1	392675.91	1	1.959	0.121	2
Q80YV2	Zc3hc1	Nuclear-interacting partner of ALK Mus musculus	80.12	3.79	55196	1	110764.16	131684.94	192868.69	180632.35	287211.62	302655.34	282758.66	419757.72	400835.31	355595.44	568846.56	434025.69	135091.03	414928.56	541944.44	1.950	2.319	1
Q8BFZ9	Erlin2	Erlin-2 Mus musculus	206.7	17.65	37873	5	1344357	1132777.38	400651.09	1480317.5	1089525.7	2102649.375	2170676.75	2207071	2398232.5	1634617.25	2262116.8	2446529	947666.31	2628191	2155644	1.930	1.916	0
A1A5S1	Prpf6	Pre-mRNA-processing factor 6 Rattus norvegicus	217.37	4.89	106764	6	1011911.5	643563.62	1120340.4	537144.88	436263.53	1798508	1040732.06	1283296.88	1607322.25	1365211.12	809570.88	1612196.77	4417790.5	926263.12	295162.56	1.892	2.150	1
P17955	Nup62	Nuclear pore glycoprotein p62 Rattus norvegicus	55.66	5.33	53397	2	916457.56	1632477	1525845.3	1741482.3	855001.75	2174337	2430942.5	2852403.75	2776541	2383674.5	3310263.8	3637722.5	518238.66	2495018	3611000	1.891	2.034	0
O35114	Scarb2	Lysosome membrane protein 2 Mus musculus	295.67	14.85	54044	5	2006871.62	2653194	3100098.8	3630230.5	4530610	5263870.5	5078686	7673256	6933743	5147950	9165511	5474993	7631605.5	9762195	6031880	1.890	2.391	0
Q9D071	Mms19	MMS19 nucleotide excision repair protein homolog Mus musculus	833.62	19.98	113089	16	2446206.25	4224539	3463748.8	2903868	2524970	5358428	4287509.5	4571236	10684604	4241199.5	4340947	4983333.5	10970952	4133696	5758858.5	1.873	1.940	0
Q8C9W3	Adamts2	A disintegrin and metalloproteinase with thrombospondin motifs 2 Mus musculus	36.67	0.58	135299	1	6885083	4918912.5	3627488.5	2869392.3	4498535	1940979.25	3214807	3298023.75	2295430.5	1718644	8455643	9717273	8114283	5309622.5	9050096	0.547	1.783	2
Q9CQV5	Mrps24	28S ribosomal protein S24, mitochondrial Mus musculus	100.12	11.98	18901	2	1096818	1881445	1294577.6	2214275	1943148.8	767801.5	729217.06	665272.44	645366.12	1818692.5	2078577.6	1267193.5	1878522.38	1764844.5	1248868	0.549	0.977	2
Q9Z0F8	Adam17	Disintegrin and metalloproteinase domain-containing protein 17 Mus musculus	243.27	4.47	93056	3	120714.37	953841.88	1136768.8	452238.19	935100.62	1030438.88	1530091.75	1529913	1170061.12	1283116.25	1734528.3	1751260.5	881944.75	1930600.6	1819661.5	1.818	2.256	1
Q9JIZ4	Ube2j1	Ubiquitin-conjugating enzyme E2 J1 Mus musculus	128.33	11.01	34990	3	3904638.5	3974699.25	3945981	2424824.3	4245433	2095894.62	2492381	2114288	939618.19	2538186	2662676	3473829	2169047	4420622	5438999	0.550	0.982	2
Q9CXK4	Slc50a1	Sugar transporter SWEET1 Mus musculus	46.08	9.05	24649	1	709768.56	909194.56	826998.88	998329	916966.62	1521957.5	1659142	2037106.12	1527825.88	1137197	1037508.8	1018269.94	1491607.62	1262192.1	1053351	1.808	1.344	0
P05964	S100a6	Protein S100-A6 Rattus norvegicus	373.2	64.04	10035	5	50801597	43872505	41886241	32233827	40160405	9469810	28641929	22999933	24210073	30890033	38585125	36874785	99225145	28916109	38032953	0.556	1.156	0
Q5U4F4	Tmem135	Transmembrane protein 135 Rattus norvegicus	68.16	2.84	52359	1	90391.64	82535.88	73673.45	85552.53	83038.375	116588.08	118673.19	216821.41	190243.09	87163.02	323149.34	265524.66	299388.045	307650.09	301228.09	1.757	3.605	1
Q6Y7W8	Gigyf2	GRB10-interacting GYF protein 2 Mus musculus	228.63	5.65	149193	4	1455529.12	2149987.5	1941060.1	2057521.8	1567909.4	3149120.5	3354102	2957210	3079186.5	3485321.5	1549199.1	2178773.25	1036081.38	3020358	1955034.25	1.747	1.062	0
Q9Z1K5	Arih1	E3 ubiquitin-protein ligase ARIH1 Mus musculus	132.77	7.39	64017	2	1289168.25	1480064.62	1196631.4	1562957.9	2756944.62	2103446.25	1856766.38	2192768	1718895.5	2169247.5	1862861.9	1901534.88	1378872.75	1532950.1	1636898.5	1.730	1.432	0
Q8VCN5	Cth	Cystathionine gamma-lyase Mus musculus	688.3	43.47	43567	13	20058157	22952869	22194925	21894101	24932949	42232729	37027441	39097753	36500089	38198185	22123725	20847997	38794961	25536561	18994059	1.723	1.127	0
Q9R002	Ifi202	Interferon-activable protein 202 Mus musculus	144.04	6.29	50466	2	509580.59	491392.72	495644.12	753291.62	562477.26	821737.19	1582409.88	838264.44	921962.56	667964	452674.75	305395.81	1	508967.62	1	1.718	0.451	1
Q61093	Cybb	Cytochrome b-245 heavy chain Mus musculus	666.11	30	65305	12	2182285	2504768.25	3032204	2360044	2638443.3	4647601	4094734.25	4815620	4540733	3691510.25	5673174	3760504	8715260	5933571.5	6519237.5	1.713	2.406	0
P61750	Arf4	ADP-ribosylation factor 4 Mus musculus	735	60	20397	10	21479601	28119133	29944689	25217063	24344511	38183505	33314187	47796709	62076341	37711933	38740521	29929779	65575789	48653393	31930813	1.697	1.664	0
Q9R008	Mvk	Mevalonate kinase Mus musculus	98.03	7.85	41877	2	178261.41	268447.56	233579.42	188446.31	299162.41	202814.14	138441.1075	117804.36	147953.66	85192.27	120118.5	127341.98	134380.4275	146765	143296.23	0.593	0.575	2
Q8BLN5	Lss	Lanosterol synthase Mus musculus	321.46	8.59	83141	5	2815573	3231964	2780060.8	4047496.5	3053152.3	5153790	5351101.5	5556719.5	5325433.5	5715772	5455678	5423552	14124729	1663	2.263	0
Q9CYN2	Spcs2	Signal peptidase complex subunit 2 Mus musculus	180.34	19.47	24978	4	2628828.5	5015626	5215806	2793186.3	2316231.5	5021141	5634299	7371039	6471472	5330858	6167375	3606876.75	1639909.38	7840485.5	4472259.5	1.660	1.320	1
O88351	Ikbkb	Inhibitor of nuclear factor kappa-B kinase subunit beta Mus musculus	264.42	10.7	86690	5	3964699.75	4117649.25	1101724.5	2661877	3791493	5356924	4509931.5	5824107.5	5150084.5	5054686.5	4461214	5199916.5	9880135	4137382.3	4988900	1.656	1.833	0
Q8BKE6	Cyp20a1	Cytochrome P450 20A1 Mus musculus	218.71	17.32	52149	5	1555299.75	1694340	1716808.1	1788143	2447138.5	2695026.75	3101320.5	3485293.5	3035076	2878871.75	2548768	2245515	3063984	2848988.5	2376806.75	1.651	1.422	0
Q6WKZ8	Ubr2	E3 ubiquitin-protein ligase UBR2 Mus musculus	84.28	0.74	199155	1	157864.45	253425.77	213027.12	170092.84	249730.02	386862.38	243353.78	394759.91	348244.81	350778.88	279485.97	274786.38	438083.44	294264.56	264327.44	1.651	1.485	2
Q9DCQ7	Serpina1f	Alpha-1-antitrypsin 1-6 Mus musculus PE=2	33.93	1.95	46337	1	1949808.25	1917191.88	2294539.8	4084390	2313693.8	636587.5	1728338.62	1731445	1934771.75	1598756.62	3571003.3	3224699.5	2106061	1775697.9	3445537	0.607	1.124	1
Q9R0Q9	Mpdu1	Mannose-P-dolichol utilization defect 1 protein Mus musculus	159.91	12.55	26498	3	1828370.25	1811559.25	2075736.3	1977869.4	2181050.5	3506360.25	3001926	3485653.5	3188402.25	3036627	2275086	2104955.75	4939700.5	2303623.3	2024343	1.642	1.382	0
Q9WTV6	Usp18	Ubl carboxyl-terminal hydrolase 18 Mus musculus	76.99	6.25	42472	2	449085.47	639375.25	579179.88	485173.78	529253.44	802609.38	869777.47	1210764.5	710844.5	754891.5	188476.75	391663.03	1	1	378723.59	1.621	0.358	0
Q6AYY8	Slc33a1	Acetyl-coenzyme A transporter 1 Rattus norvegicus =2	41.69	2.36	61101	1	145614.7	121698	152608.34	165602.19	177518.47	243487.53	213884.83	265331.91	256703.27	255598.23	132313.56	183348.508	176108.17	295684.44	129287.86	1.619	1.201	0

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P26772	Hspe1	10 kDa heat shock protein, mitochondrial Rattus norvegicus	215.66	42.16	10902	4	24471745	19500331	18294617	20641373	17326021	14581465	14352177	9984239	10314912	12752671	14088143	13880850	13699807	12337235	17681459	0.618	0.715	0
Q9ES46	Parvb	Beta-parvin Mus musculus	161.49	15.34	41669	4	979370.88	1167994	339219.84	1263379.9	1656250.5	1692883.75	1558462.25	1794071.38	2106521.5	1521230.38	2061887.3	1454869.62	708270.75	2083959.3	1658680.38	1.604	1.474	2
P57080	Usp25	Ubiquitin carboxyl-terminal hydrolase 25 Mus musculus	61.6	0.95	121420	1	244241.44	267237.06	309122.28	291433.41	394986.62	628247.12	408626.62	531237.69	456649.47	388229.81	298653.97	309687.03	138984.8	402721.38	343288.5	1.601	0.991	1
Q62084	Ppp1r14b	Protein phosphatase 1 regulatory subunit 14B Mus musculus	138.95	9.52	15957	2	513115.81	717861.75	453006.25	539574.06	534414.44	893253.56	841955	1099949.12	849477.75	724460	1543547	1587198.25	966475.12	1111037.8	1422035.75	1.599	2.404	0
Q5XIA4	Cnot10	CCR4-NOT transcription complex subunit 10 Rattus norvegicus	60.17	1.61	81819	1	489321.968	393562.62	622381.75	462997.19	478346.31	705104.19	628703.69	1014637.12	751307.06	800171.69	1019260.2	948919.12	969255.7625	900688.12	1008155.62	1.594	1.981	0
P27601	Gna13	Guanine nucleotide-binding protein subunit alpha-13 Mus musculus	378.98	22.81	44055	8	4205236	3643911.25	6503673	4714739.5	4223882.5	12109215	4906957	4924751	8462999	6633203.5	2304436	3985418.5	9557065	6070597	4794958	1.590	1.147	2
A1L1L2	Tmem214	Transmembrane protein 214 Rattus norvegicus =2	58.63	1.9	76566	1	170260.17	137524.62	162985.28	173055.12	171101.22	196623.47	248558.91	397191.84	254341.56	196327.98	214221.67	202862.66	252397.17	331754.47	239987.59	1.587	1.523	0
Q61151	Ppp2r5e	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform Mus musci	110.81	5.14	54713	2	786180.12	459920.28	575515.56	143353	543598.56	889987.88	841717.56	707878.25	856719.81	666124.44	420615.16	683370.62	1432530.75	731783.38	653638.19	1.580	1.563	2
Q4V8F3	Rhbdd1	Rhomboid-related protein 4 Rattus norvegicus	55.79	4.43	35879	1	435970.84	608917.88	271937.38	444994.41	438975.16	757607.5	549823.88	742234.88	728950.38	694654.16	394266.28	456351.97	1	746250.94	1	1.578	0.726	1
O54888	Polr1b	DNA-directed RNA polymerase I subunit RPA2 Rattus norvegicus	35.31	1.06	127719	1	171927.73	135577.64	144667.64	141558.44	206261.47	301859.69	253901.77	240214.39	218576.36	247911.47	133566.84	151463.62	453564.47	270061.69	260125.06	1.578	1.586	0
P52912	Tia1	Nucleolysin TIA-1 Mus musculus	51.35	4.66	42800	1	244303.64	1	282545	249047.36	212085.55	349394.66	310856.745	343730.44	270040.97	280260.91	185982.77	238623.41	1	220209.06	1	1.573	0.653	2
Q9D620	Rab11fip1	Rab11 family-interacting protein 1 Mus musculus	96.99	5.43	70684	2	304090.94	300110.62	1	284521.06	302405.22	412129.75	341772.03	418260.31	373625.335	322339.25	233796.75	1	1	301071.75	1	1.568	0.449	0
Q5U2X0	Cdkn2aip	CDKN2A-interacting protein Rattus norvegicus	34.6	1.93	60744	1	243612.03	351517.38	234058.41	296205.22	301404.59	540334.19	370423.41	534979.19	414067.22	374661.09	619739.38	529087	1866740.5	581191.94	533360	1.566	2.895	0
Q9CXR1	Dhrs7	Dehydrogenase/reductase SDR family member 7 Mus musculus	173.06	13.91	38167	4	3046284	1596471.75	2817491	3524650.5	3991921.3	5005890	5097979	4829448	4342482.5	4103119.25	3700596	2525545	7146687	2496660	2389573	1.561	1.219	0
Q9Z2G6	Sel1l	Protein sel-1 homolog 1 Mus musculus	180.16	7.22	88340	3	629979.5	823134	594762.38	659994.56	706252.69	931959.56	946286.44	1317170.62	1193907.88	939120.62	792217.06	660099.25	699552.56	1282386.6	679822.19	1.561	1.205	0
Q5XI41	Tram1	Translocating chain-associated membrane protein 1 Rattus norvegicus	186.08	7.75	43030	3	1984986.5	2279709.75	2081768.1	2601065.5	2271878	3533818.5	2742858.25	4830105	3741396.25	2525620.75	2339985	3188837.5	1493080.38	4521665	3557091.75	1.549	1.346	1
P11030	Dbi	Acyl-CoA-binding protein Rattus norvegicus	144.97	39.08	10027	2	4270938	3684942.5	3541433	2970813.5	3540849.3	2633095.25	2050122.62	2556615.5	1711895.88	2693331.25	2974215	1873399.75	5991119.5	1573493.6	2501451.75	0.647	0.828	0
Q8K2D3	Edc3	Enhancer of mRNA-decapping protein 3 Mus musculus	81.51	7.87	55957	2	526828.75	868707.25	538230.25	469091.88	456098.88	321791.62	383461.09	423789.09	265532.47	464007.47	437477.72	364197	471774.445	594728.75	490694.31	0.650	0.825	1
Q9EQH3	Vps35	Vacuolar protein sorting-associated protein 35 Mus musculus	1651.39	42.96	91713	27	27084197	23621539	25622007	22643077	26129097	36689017	34772065	42722577	45113385	32253811	49955541	48206237	72367665	38079997	49756653	1.531	2.065	0
Q9CR64	Tmem167a	Protein kish-A Mus musculus	45.37	12.5	8074	1	788791.25	662294.75	615387.75	758603	905801.06	1313617.75	1180879.12	1100004.62	990933.62	1111087.88	821608.5	809529.75	685471.69	1059820.5	1155958.75	1.527	1.215	0
O70456	Sfn	14-3-3 protein sigma Mus musculus	284.71	16.13	27706	6	108416633	10480361	111052049	121529425	110997209	117474809	123604161	171561025	161740065	131241417	197255921	187482689	153160273	144449233	161204865	1.526	1.824	1
P22892	Ap1g1	AP-1 complex subunit gamma-1 Mus musculus	662.83	20.92	91350	14	9560517	11078186	11400095	8770836	15476068	14565313	18429251	19278201	15546802	17814691	9838175	10330254	27131655	13992795	18917303	1.521	1.425	1
O88278	Celsr3	Cadherin EGF LAG seven-pass G-type receptor 3 Rattus norvegicus	36.49	0.24	359355	1	570507.38	805335.69	796834.33	917995	893499.25	910327.38	947295.12	1527505	1595464.88	1047185.12	2365066.4	1385970.75	4792615	1423268.9	1858411	1.513	2.968	1
Q64232	Tecr	Very-long-chain enoyl-CoA reductase Rattus norvegicus	109.64	6.82	36123	2	3248051.5	2877241.5	2999045	2957901.5	2877689.5	4014886	4210538	5526442	5577208.5	3298372.5	1891835.8	1904218.38	1187434.12	7455928	2150642.25	1.513	0.975	0
Q62839	Golga2	Golgin subfamily A member 2 Rattus norvegicus	39.4	1	112872	1	541601.88	494504.94	1	567483.88	552951.56	774087.44	647653	623236.56	622794.62	589028	1	1	540166.94	778025.12	1	1.510	0.611	0
Q8VI93	Oas3	2'-5'-oligoadenylate synthase 3 Mus musculus	1016.07	27.15	126333	21	10659120	9763290	10123534	9265077	8678230	17453479	15389187	15282957	13380340	11595514	8941913	7883471	13606636	9245524	8245358.5	1.508	0.988	0
Q148V7	Relch	RAB11-binding protein RELCH Mus musculus	98.82	1.97	134587	2	421457.28	431675.81	658331.25	647865.5	542972.31	691085.88	897875.69	769745.38	756297.62	947829.38	338611.84	315349.22	431398.09	219835.88	416140.56	1.503	0.637	0
P63100	Ppp3r1	Calcineurin subunit B type 1 Rattus norvegicus	207.88	52.35	19300	4	2056350.25	2519231	2370095.3	2106876	2374154.5	1593464.5	2117679.5	810965.75	1040598.44	2047136.75	1720639.3	1129211.12	3981168.5	1376137	1857160.38	0.666	0.881	2
O08583	Alyref	THO complex subunit 4 Mus musculus	452.53	40	26940	8	20065843	23259539	20609977	17184571	17877143	10935913	15092232	13602287	12323281	14113551	15045895	19053167	10459289	14591500	17939617	0.667	0.779	0
Q8BZM1	Glmn	Glomulin Mus musculus	192.62	6.21	67756	3	1163189	1001456.75	1098025	1077944.9	1086048.6	1447136.25	1730596.12	2025466.75	1479667.25	1424297.75	1480084.5	1834761	1369881	1467458	1654678	1.494	1.439	0
Q9JI13	Utp3	Something about silencing protein 10 Mus musculus	271.13	13.43	53399	5	2511467	3437971.5	2804367	4484440.5	2756424.8	4970536.5	5005147.5	5150777	3371379.75	5385215	4629611	4696840	4237262	4652367.5	5534848.5	1.493	1.485	2
Q8BVE3	Atp6v1h	V-type proton ATPase subunit H Mus musculus	696.59	32.3	55855	13	8289007	8016597	10104830	9557037	9107812	13076162	11722105	14525099	14265112	13340155	11259104	12775847	23435439	13152746	11648367	1.485	1.603	0
Q5PQN9	Mrpl38	39S ribosomal protein L38, mitochondrial Rattus norvegicus	53.53	1.84	44838	1	268666.38	303199	420563.38	480116.31	348953.69	490597.38	520181.34	505187.91	567418	611989.69	1	1	1	478082.69	1	1.480	0.262	0
P84083	Arf5	ADP-ribosylation factor 5 Rattus norvegicus	792.64	65.56	20530	12	62232733	69589569	42475633	69559929	68756025	85677001	82690177	96144505	111106689	85709225	62523245	59710497	102301993	87585865	58178857	1.476	1.185	0
Q8R5K4	Nol6	Nucleolar protein 6 Mus musculus	141.63	4.08	129228	3	2488889.5	2214100.25	1122346.9	3061645.8	2279948.5	3538855.75	3674480.5	3276337.75	3206746.5	2781927	603951.88	1901761.5	1077660.12	2675457	1799448.5	1.476	0.722	1
Q505B7	Zbtb8os	Protein archease Mus musculus	47.66	5.95	19727	1	711012.5	585056.12	757290.62	588835.88	712569.44	810162.25	747336.88	1346360.25	1279876	764494.06	1547993.9	941146.5	1396692.25	1379194.3	990760.94	1.475	1.865	1
Q8K2F8	Lsm14a	Protein LSM14 homolog A Mus musculus	113.18	6.28	50546	2	638026.81	644924.62	643837.44	655586.06	607759.12	676892.88	1195526.5	906538	823751	1061813.88	1	1	1285349.12	877753.56	1	1.462	0.678	0
Q9WU62	Incenp	Inner centromere protein Mus musculus	191.71	6.93	101209	3	3439596	3185901.25	3545465.5	3904504.5	3014208	1727158	2674586.75	1334455.75	2733557	3306828.75	2465482	3234858.75	3047800.625	3564058.8	2926803	0.689	0.892	2
Q9DAW6	Prpf4	U4/U6 small nuclear ribonucleoprotein Prp4 Mus musculus	103.33	4.99	58370	2	3500292	3629856.25	4095690.5	3789965	3979842	3422560	1184416.75	3582955	1379141.5	3557573.25	1923090.5	609843.75	2066059.88	1215533.4	2231582.5	0.691	0.424	2
Q8R1F1	Fam129b	Niban-like protein 1 Mus musculus	513.98	19.36	84819	9	5676391.5	4999273.5	5091770	5167774.5	4132722.8	8149952	6945662	7757028	7296543	6078180	3642717.5	7392748	23310619	4665283.5	7365343.5	1.445	1.850	0
P18572	Bsg	Basigin Mus musculus	39.32	2.57	42445	1	2346236.5	2107608.75	2306803.3	2027268	1933875.4	1827714	1951560.12	413503.5	1465827.88	1763260	2505511	1803325.88	1790217.75	2382684.5	2001706.75	0.692	0.978	1
Q8JZQ2	Afg3l2	AFG3-like protein 2 Mus musculus	377.27	12.72	89519	9	2162261.5	1563502.12	1093958	1098377.6	2326811.8	2182042	2349428.5	2421195.75	2724591.75	2223144.75	1749535	1398373	4350773.5	2528784	1539418.88	1.443	1.403	2
Q8K202	Polr1e	DNA-directed RNA polymerase I subunit RPA49 Mus musculus	96.69	4.77	54034	2	73077.51	234052.34	232372.33	249110.39	269078.34	270835.66	347016.56	339371.31	269862.5	298282.62	1	1	1	304512.44	1	1.442	0.288	0
P51569	Gla	Alpha-galactosidase A Mus musculus	791.73	39.38	47643	13	4757368.5	4481365.5	4380362.5	3824893.5	3236240.3	5656676.5	5691142	6369757.5	5488869.5	6608975.5	9560096	8462240	39716005	8072432	9139443	1.442	3.624	0
Q61207	Psap	Prosaposin Mus musculus	500.34	16.34	61422	9	23413221	20843995	20065283	20237045	17666293	9103150	18664729	14034690	12942551	16411701	24314763	24927715	52064317	9806373	25095899	0.696	1.332	1
Q8K114	Ints9	Integrator complex subunit 9 Mus musculus	39.47	3.19	74078	1	321191.62	457284.06	416914.66	408571.19	433730.72	482554.44	556611.75	613169.12	512534.38	758292	552877	466625.66	462176.81	698129.69	406593.56	1.435	1.269	0
Q9CQV8	Ywhab	14-3-3 protein beta/alpha Mus musculus	1360.37	73.17	28086	20	144178881	46664945	147806817	156354609	150762753	156321825	162561569	223551873	208992641	172034625	256196193	235770977	194341217	194939489	206639297	1.430	1.685	1
Q62760	Tomm20	Mitochondrial import receptor subunit TOM20 homolog Rattus norvegicus	122.93	44.14	16284	3	229730.36	656679.56	746232.25	673673.88	755372.88	864488.88	997057.12	811364.5	912655.56	789674.12	670054.25	1412055	409308.97	944205.06	910230.12	1.429	1.419	0
Q99LC8	Eif2b1	Translation initiation factor eIF-2B subunit alpha Mus musculus	206.58	13.11	33816	3	3064505	2991853.75	4375273	3044976	3722825	4028419.25	4765048.5	6135373	5011826.5	4553003	4922279.5	4624954	4968232.5	3667594.3	4740939	1.424	1.333	1
Q5XIB5	Ccdc86	Coiled-coil domain-containing protein 86 Rattus norvegicus	94.35	5.87	38585	2	3976012.75	4446875.5	4155659.5	4666659	3621754	2677959.75	3477094	2788987.5	2335087.75	3374734.75	2730906.5	3852130.75	2387342.5	2348887	3731833.25	0.702	0.721	0
P03975	Iap	IgE-binding protein Mus musculus	590.01	23.16	62747	11	17064965	18947309	18136673	18156331	18327515	9251837	11682374	14211385	16702349	11815139	19810773	21698439	32285561	13328677	17462569	0.702	1.154	0
P43276	Hist1h1b	Histone H1.5 Mus musculus	292.83	22.42	22576	7	48171773	40094685	39400597	42367917	40274309	29690275	32580135	24747037	28483667	32355627	51085861	39975837	12603685	30956987	48256393	0.703	0.870	0
Q8QZY1	Eif3l	Eukaryotic translation initiation factor 3 subunit L Mus musculus	989.73	37.06	66613	17	12247098	9949331	11716923	10189836	12439519	16964713	14023359	16976717	18431041	14009790	19898095	14265092	22419551	18939429	20578811	1.422	1.700	0
P04441	Cd74	H-2 class II histocompatibility antigen gamma chain Mus musculus	42.22	5.02	31557	1	1240241.12	1437969.62	1241308	1669699.3	1343417.5	1483431.88	1724772.5	2522663.25	2393546.5	1726139.5	1	548985	1	1833950	1	1.421	0.344	1
Q04931	Ssrp1	FACT complex subunit SSRP1 Rattus norvegicus	514.66	19.04	80914	9	9929617	9140872	8974688	7442662	8939893	12321972	12578291	12938183	12776019	12277593	10025075	8939940	8035917	10631896	9748745	1.416	1.066	0
P19182	Ifrd1	Interferon-related developmental regulator 1 Mus musculus	141.02	5.35	49935	2	1292369.12	499638.12	1129904.5	972717.94	1142017.8	1671891.88	1233111.75	1318489.5	1369053.62	1536705.62	761325.12	941456.62	704523.175	354521.84	760789.12	1.415	0.699	1
P84082	Arf2	ADP-ribosylation factor 2 Rattus norvegicus	868.88	59.67	20746	13	56735409	67675177	72357105	65404313	64445817	81833545	81854937	98830841	116047009	83343713	75348209	61852197	100716401	97117209	66039721	1.414	1.228	0
Q9EQ32	Pik3ap1	Phosphoinositide 3-kinase adapter protein 1 Mus musculus	769.93	23.06	90928	14	15401600	18051473	16606528	13750095	15919189	13053483	10395619	10828713	8250438.5	13852372	23007471	14629247	19486735	17936413	18562645	0.707	1.174	1
P68403	Prkcb	Protein kinase C beta type Rattus norvegicus	192.2	6.11	76751	4	1208680.12	1167321.88	1282661.8	1370836.3	1288122	1335533.38	1452349.88	2338609	1908109	1881164.5	1499016.6	1514869.25	1314751.67	1592860	652260.81	1.411	1.041	1
Q9JHR7	Ide	Insulin-degrading enzyme Mus musculus	413.9	9.72	117772	8	6537726	7272388	5990571.5	5502577	7909950.5	10660543	10048708	8127606	9063659	8721867	6242885	6629951	10456016	8756119	7937987	1.404	1.205	0
P84078	Arf1	ADP-ribosylation factor 1 Mus musculus	1015.5	80.66	20697	16	88178873	101715241	75879817	101229457	101162737	120264881	120017249	136228881	154377281	122707777	93530705	84143241	131039145	130253561	86725961	1.396	1.123	0
Q8R2M2	Dnttip2	Deoxynucleotidyltransferase terminal-interacting protein 2 Mus musculus	328.7	10.29	84277	6	1088600.5	1784657.62	1948430.8	1797331	1840235	2755940.5	2438466.5	2382827	1820402.25	2362276.75	747783.25	990548.88	1296906	1403791.5	1157431.75	1.390	0.662	2
Q66HG8	Ik	Protein Red Rattus norvegicus	222.1	12.57	65588	5	6170749	6588945	6803796	6548418.5	6653044	4862116	5841601	4642621.5	2807289.25	5444995	3269203	5259832.5	5297041.5	4201597	3672870	0.720	0.662	0
P68254	Ywhaq	14-3-3 protein theta Mus musculus	1359.98	73.47	27778	21	151137681	56626125	153614641	166316433	157180849	163378897	174049585	219807345	212463905	181006529	260597697	250980849	210760849	196776385	221059505	1.388	1.665	1
P56960	Exosc10	Exosome component 10 Mus musculus	395.79	11.61	100942	8	5620947	4723607	4721944.5	5933630	5768917.5	3383497	3607296.5	2845421.5	5057557	4411524	4154022.5	3563284.5	4108726.5	4290974.5	5714456	0.721	0.816	2
O55101	Syngr2	Synaptogyrin-2 Mus musculus	48.79	4.46	24778	1	4474630	4276267.5	5461056.5	5446332.5	5046584	5955373.5	6066623.5	7841352.5	8113568.5	6267833	2947848.5	3432167.75	7058034.5	6646831	2583247	1.386	0.918	0
Q9DCZ4	Apoo	MICOS complex subunit Mic26 Mus musculus	109.78	20.2	22604	2	339271.11	277033.44	419141.72	327526.06	333383.22	441541.91	505389.25	519716.28	457704.5	426282.41	1244381	636516.88	558979.12	1128282.8	1218593.25	1.386	2.822	0
P06238	A2m	Alpha-2-macroglobulin Rattus norvegicus	52.82	0.68	163785	1	3197352.25	3200768	3620594.8	4128818.5	3699905	2397040	2749138.5	2313107.75	2588550.25	2857850.25	3293261.5	3412669.25	861917.31	2333509.8	3608289	0.723	0.757	0
Q791V5	Mtch2	Mitochondrial carrier homolog 2 Mus musculus	539.84	49.17	33499	11	7876903	9802751	12050046	10575267	11341454	15717154	13174243	14761403	14257439	13463975	15628929	14292004	25518293	14871423	12545523	1.382	1.604	0
P43275	Hist1h1a	Histone H1.1 Mus musculus	314.39	34.27	21785	6	116735313	95353161	94418769	104218009	100226769	71569833	76984753	66549569	73668649	81019833	135799121	101152921	55033405	81336393	125175297	0.724	0.976	0
Q922D4	Ppp6r3	Serine/threonine-protein phosphatase 6 regulatory subunit 3 Mus musculus	372.73	10.31	94653	7	5100235.5	6058649.5	6098794	6200786.5	5671201.5	6936665	6490512.5	11225013	7948520	7600376	8342735	7260672	6587115	8846678	7933334.5	1.380	1.338	0
Q91XV3	Basp1	Brain acid soluble protein 1 Mus musculus	926.1	77.43	22087	12	40565065	36717045	26345397	27387179	26537781	22338265	23331011	21820505	21021571	25726075	33049213	37446229	75264177	24765575	39041741	0.725	1.330	0
Q99J99	Mpst	3-mercaptopyruvate sulfurtransferase Mus musculus	83.11	13.13	33097	2	1286698.5	696813.69	1488955.5	912953.44	965475.62	1527788.5	1531349.25	1333711.25	1523813.75	1449952.75	541087.12	1273322.5	893919.56	957504.06	1528216.5	1.377	0.971	2
O35382	Exoc4	Exocyst complex component 4 Mus musculus	290.01	6.77	110545	5	1667126.75	1361073.25	1226922.3	1214260.5	1268029	1878984.88	1875099.25	1606285.5	1882554.5	2025551.62	2090296.8	2726092	2066269	2215355.8	1930148.5	1.376	1.637	1
Q6P1B1	Xpnpep1	Xaa-Pro aminopeptidase 1 Mus musculus	787.32	36.92	69591	15	19606325	16526957	20155311	19481091	18975839	28061965	24157353	26125681	27402479	24559149	13749475	14322015	23307517	23991963	14469807	1.375	0.948	0
Q6PD03	Ppp2r5a	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform Mus muscul	286.95	14.81	56347	6	2938982.25	3328003	2286261.3	1984610.8	2581183.5	3920188	3846754	2865432.5	4006956	3393441.5	2356103.3	5484431.5	7091803.5	3304158	4503712	1.375	1.733	2
P43274	Hist1h1e	Histone H1.4 Mus musculus	498.91	24.66	21977	8	231198465	184309585	183370241	203265057	189790849	139353601	158151537	124369929	140900721	159180929	273809665	203451409	97226305	159142401	258362737	0.728	1.000	0
P43277	Hist1h1d	Histone H1.3 Mus musculus	504	24.43	22100	9	291628545	230910881	229656257	255725489	236997457	177206001	194264113	155219473	178458177	201396801	346649473	252711553	130511129	195325169	322071745	0.728	1.002	0
P15865	Hist1h1e	Histone H1.4 Rattus norvegicus	455.21	24.66	21987	8	264017041	209912625	208512913	232163297	214714801	159033505	175821025	141947521	162621969	183116881	316999361	230100545	116921745	178799153	293533921	0.728	1.006	0
Q8R5F7	Ifih1	Interferon-induced helicase C domain-containing protein 1 Mus musculus	51.61	1.17	115971	1	310225.34	298727.53	222772.47	266931.16	321430.25	470568.75	381744.94	436965.66	333293.19	326134.91	345520.25	341928.22	342387.5	314335.31	391053.62	1.372	1.222	0
P27870	Vav1	Proto-oncogene vav Mus musculus	1530.61	33.96	98137	23	32542653	30395591	28597145	30447397	28697975	40297145	42935305	43837057	42507985	37185149	27642749	23763147	48391573	34722089	23616319	1.372	1.049	0
A6H5X4	Phf11	PHD finger protein 11 Mus musculus	71.1	10.39	37728	2	1705363.38	1709479.38	1831821.5	1585137.5	1316920.5	2516738.25	2189288.5	2007261	2019546	2446668.25	2044483.9	1733151.62	1741608.845	1279279.4	1909520.5	1.372	1.069	0
D3ZTX0	Tmed7	Transmembrane emp24 domain-containing protein 7 Rattus norvegicus	219.34	24.34	25479	4	1941884.75	2740183.25	2503155.8	1776636.5	2294782.5	2938935.5	2888913.25	4058871	3228643	2323691.5	5395109.5	3871545.75	4020906.25	5008236	5292113	1.372	2.095	2
P36552	Cpox	Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial Mus musculus	149.92	7.22	49715	3	2492072.25	2448350.5	2496658	2489821.5	2777688.5	2435706.5	1474824.88	1483294	1515371	2357279	2486195	1324137.75	2913941.5	2407624.5	2525410.75	0.729	0.918	0
P15864	Hist1h1c	Histone H1.2 Mus musculus	549.35	33.02	21267	10	295006145	234440481	233369425	259180481	242217041	180725985	197061617	158068481	181614961	204932945	352918529	256908641	132325625	199728225	326091617	0.730	1.003	0
Q8JZQ9	Eif3b	Eukaryotic translation initiation factor 3 subunit B Mus musculus	1398.48	48.19	91370	27	47128037	54278493	63974801	47782721	53772757	69278649	70282833	76535385	77106081	72544337	45722145	42770117	21961117	58418561	46174081	1.370	0.806	0
P63081	Atp6v0c	V-type proton ATPase 16 kDa proteolipid subunit Rattus norvegicus	493.46	76.13	15808	8	16048215	14516033	15251409	13936686	14672240	11993168	12195917	8995529	10203785	10948862	18170845	15369676	54486401	9240278	13564033	0.730	1.489	0
P28867	Prkcd	Protein kinase C delta type Mus musculus	396.02	13.2	77547	8	6527730.5	5164195	5943777	4923958.5	4625948.5	8246387.5	6639188.5	7277243.5	7961018.5	7001427	3365873.5	3829700	15372167	5579843.5	5020465.5	1.366	1.220	0
Q6P791	Lamtor1	Ragulator complex protein LAMTOR1 Rattus norvegicus	96.67	16.15	17721	2	4750553	3283634.5	3964992	4044317	4044917	3223763	3099855.5	2767467	2506535.25	3173661.75	2543199.3	2736973	2630630	2974948.5	1300654.88	0.735	0.607	0
Q9D1L9	Lamtor5	Ragulator complex protein LAMTOR5 Mus musculus	51.75	21.98	9642	1	1438564.38	2152107.5	1757335.3	1711650.3	1421862.6	1079895.25	1418948.5	1371064.25	1091437.5	1295834	2775439	1617677	2809889	1790088.1	1796732.88	0.738	1.272	0
Q8BV66	Ifi44	Interferon-induced protein 44 Mus musculus	78.42	5.92	47852	2	3254604.75	3584476.75	3057346	2761836	3083713.8	4523178.5	4393543	4268345.5	4279619.5	3843728.25	877183.25	2002077.75	1929686.408	1973502.4	2865982.25	1.354	0.613	0

P68510	Ywhah	14-3-3 protein eta Mus musculus	1279.82	60.98	28212	23	164635745	65285161	166769409	174352545	164064337	174303969	180122257	229762833	221404977	188661921	279236865	263677345	237140369	203735809	237328849	1.353	1.661	1
Q9R061	Nubp2	Cytosolic Fe-S cluster assembly factor NUBP2 Mus musculus	133.66	14.91	29518	3	5091127	4536111.5	4802858.5	4379211	5127954	4580847	4250201	2411263.75	3938018.5	2520638.75	4626818	4767099	2219553.25	3989563.5	4339362	0.739	0.833	2
O55166	Vps52	Vacuolar protein sorting-associated protein 52 homolog Rattus norvegicus	370.9	15.35	82103	8	52520461	49498421	54414457	55195573	54680293	48538137	50004005	36319533	45428277	16729307	44763581	46332021	68099113	46483757	45967569	0.740	0.945	1
P00920	Ca2	Carbonic anhydrase 2 Mus musculus	72.87	6.15	29033	1	721356.06	840070.44	846991.38	846152.44	1013449.1	1231756.38	1327524.12	1286878.62	1057195.62	858918.62	767372.56	966502.06	1163481.12	897510	972838.38	1.350	1.117	1
Q62425	Ndufa4	Cytochrome c oxidase subunit NDUFA4 Mus musculus	180.38	68.29	9327	4	10815675	9824722	8353728	9380617	8887244	6733985	6851934	7918485.5	5526684.5	8074713	7632789	5769790	5835967	7233413	6084190.5	0.743	0.689	0
P26151	Fcgr1	High affinity immunoglobulin gamma Fc receptor I Mus musculus	275.57	22.77	44888	6	6679751.5	6074247	5480309.5	6199491	4893915.5	7292455	8412817	8099610	7175090.5	8499056	7878147.5	6393301	7722286.5	5886276.5	8454349	1.346	1.239	0
Q8BH69	Sephs1	Selenide, water dikinase 1 Mus musculus	124.17	9.95	42907	4	1844441.5	2564109.75	3427003.3	3197222	3479737.5	3752588.5	3636656.25	4110221.75	4348254.5	3676435.5	5135889	5610631.5	4663118.5	4480068.5	5097467	1.345	1.722	0
O35609	Scamp3	Secretory carrier-associated membrane protein 3 Mus musculus	118.5	10.32	38458	2	791706.12	687690.5	527524.12	743796.94	916188.06	938542.62	871657	866224	1136863	1117537.12	834752.81	887755.62	950331.5625	1107429.9	971387.94	1.345	1.296	2
A2A432	Cul4b	Cullin-4B Mus musculus	489.3	12.06	110699	9	3653082	2413568.25	3336615.5	3355889	3637115	3908925	4269820	4870747	4084357	4815227	3266427.3	3919114.5	5424203.5	4869447	3509192.5	1.339	1.280	0
Q61164	Ctcf	Transcriptional repressor CTCF Mus musculus	123.49	3.67	83745	2	2910171.75	3160021.25	2810335.3	3111732	3088335	2708894.75	2982857.75	2390936	807773.81	2385500	2837316.3	3048364.5	831125.12	2749567	3264716.5	0.748	0.844	2
B9EJ86	Osbpl8	Oxysterol-binding protein-related protein 8 Mus musculus	956.37	31.05	101269	18	21865541	24645923	26982011	23239595	23446729	32337457	31306037	31980637	32468999	32462679	23694877	23890657	42230613	31118331	25165789	1.336	1.216	0
P17095	Hmga1	High mobility group protein HMG-I/HMG-Y Mus musculus	45.7	14.95	11614	1	1766394.62	1606371	1467218.8	1558968.9	1330719.1	1011532.88	1306702.5	1043905.06	1005547.56	1424986.12	1742040.6	1657590.25	1164084.5	1692511.3	1701769.25	0.749	1.030	1
P0C0R5	Pik3r4	Phosphoinositide 3-kinase regulatory subunit 4 Rattus norvegicus 3	197.14	3.83	152447	4	1664563.25	1304709	1025403.1	1218316.5	1332290.5	1707676.25	1775689.75	1629741.75	1671439.25	1947870.5	1122041.3	2068282.25	3020413.5	1713639	1518710.5	1.334	1.443	1
Q6WVG3	Kctd12	BTB/POZ domain-containing protein KCTD12 Mus musculus	512.69	36.39	35892	10	8409878	8656832	8651161	9710692	8846445	11701845	11826393	12143759	12589082	10795271	5082371	7109928.5	15665998	9497243	8746405	1.334	1.041	0
Q8BIQ5	Cstf2	Cleavage stimulation factor subunit 2 Mus musculus	167.32	14.31	61341	4	4458605	3867351.25	4770819	4506682.5	4422380	4434004	3567000.5	3440995.75	2494996.5	2636919.5	1191340.3	204151.56	2413131	2743848.5	1690433.25	0.752	0.374	2
O89051	Itm2b	Integral membrane protein 2B Mus musculus	242.83	19.55	30260	4	806861.12	1655864	921040.75	1474761.9	1661925.3	1785268.5	1815174.62	1741388.5	1603796.25	1714484.25	1774205.5	2481947	5615811.5	1957597.1	2323814	1.328	2.171	2
Q80X82	Sympk	Symplekin Mus musculus	607.63	13.55	142284	12	5386686	4321633.5	7173225.5	5748870	6825801.5	8374483	7211507	8363029	8979000	6172758	6673899	4931486	7796113	9415562	5692246.5	1.327	1.172	2
Q9ERF3	Wdr61	WD repeat-containing protein 61 Mus musculus	345.45	28.52	33773	5	4336283	6309055	6521367	5395296.5	5387050	6331411	6312181.5	9446751	7519333	7481735	9210959	8801211	6106437.5	9711948	6738843	1.327	1.452	2
E9PVX6	Mki67	Proliferation marker protein Ki-67 Mus musculus	3338.53	27.7	350864	60	118038209	118344681	123888065	148027457	123216177	92612897	92873217	98228201	95712409	96441993	112506665	102474001	44143101	133552249	163757201	0.754	0.881	0
Q64620	Ppp6c	Serine/threonine-protein phosphatase 6 catalytic subunit Rattus norvegicus	410.62	31.48	35159	7	6892795.5	6685368	5088804.5	6459815	6457743	9045822	6672750	8339720.5	9108369	8687177	8842719	7496968.5	7529209.5	6415832	10425331	1.325	1.289	2
P62488	Polr2g	DNA-directed RNA polymerase II subunit RPB7 Mus musculus	117.01	18.6	19294	3	2758921	2588852	2825039.5	2710030.3	3131666.5	2400020.25	2213073.5	2441737.75	948352.88	2576739.25	3034733.3	3528028	1043310.81	2940723.5	3682327.5	0.755	1.015	0
Q6P9R2	Oxsr1	Serine/threonine-protein kinase OSR1 Mus musculus	314.35	15.56	58214	6	5483621	5187096.5	5516257	5623496.5	4467212.5	6770309.5	6260479	7657843.5	7528457.5	6556428.5	5055634	3788627.5	3068239.25	7138931	4709881.5	1.323	0.904	0
P11928	Oas1a	2'-5'-oligoadenylate synthase 1A Mus musculus	477.04	27.79	42429	7	5165519	4640006.5	5834111	4280560	5459014	6710283	7841760	5919951	6446158.5	6638983	2289804	3583136.5	3995271.5	4621466.5	4937380	1.322	0.765	0
Q5BK20	Jpt2	Jupiter microtubule associated homolog 2 Rattus norvegicus	105.31	18.42	20070	2	4745121.5	4641928.5	4613442.5	5018193.5	4669940	4216233	4077319	2712436.5	2574088.75	4365636	4120211	4664299	1591738.62	3457905.5	4543449	0.758	0.776	0
P97287	Mcl1	Induced myeloid leukemia cell differentiation protein Mcl-1 homolog Mus musculus	133.72	10.27	35217	2	956637.56	1105713.75	873146.56	928402.75	503207.91	1147367.88	1035689.5	1316238.12	1105832.12	1158626.88	1016287.6	991195.88	343062.78	926488.5	1114046.5	1.320	1.005	1
Q91VW5	Golga4	Golgin subfamily A member 4 Mus musculus	59.57	0.58	257564	1	232502.125	143751.03	237079.53	262672.88	286505.06	306381.1625	238200.12	292706.03	315126.03	379492.47	315649.87	330700.31	405203.88	187100.58	339594.72	1.318	1.358	2
Q3V300	Kif22	Kinesin-like protein KIF22 Mus musculus	78.78	3.94	73190	2	1473231.88	1735911.38	1506713	1684418.8	1575905.8	1107223	1409342.88	1074360.88	1134370.12	1346091	1466717.5	1750037.75	1871471.62	1031999	2237596.5	0.761	1.048	0
Q9ET30	Tm9sf3	Transmembrane 9 superfamily member 3 Mus musculus	260.78	14.65	67545	6	2492368	2287657	2276190.5	2402447	2719488.5	3435657.25	2951917.75	3304993.75	2740470.75	3521797.5	7321286	3873371	4194993	4293671	6084728.5	1.310	2.116	0
Q4FZT2	Ppme1	Protein phosphatase methylesterase 1 Rattus norvegicus	146.88	6.99	42316	3	4466387	3219631.25	3229622.5	3243364	2770181	3961507.5	4484141	5021169	4928441	3775357	3387947.3	4465616	4128871.5	2889100.5	5094312	1.310	1.179	2
P62634	Cnbp	Cellular nucleic acid-binding protein Rattus norvegicus	251.06	28.25	19463	4	22050349	25718013	17919877	23357761	22492817	18299813	16313026	15403509	16915159	18266453	23018109	22056145	10169523	18426521	26724467	0.764	0.900	2
P07091	S100a4	Protein S100-A4 Mus musculus	540	84.16	11721	9	132011569	153852545	122263033	129055025	126211705	105329569	107265033	92470289	89731233	111947577	112797169	92823385	264500385	110916609	113197017	0.764	1.046	0
P61982	Ywhag	14-3-3 protein gamma Mus musculus	1202.65	71.26	28303	19	182175649	85332241	177772945	188067681	180459537	192169601	195500929	243999217	228548401	204723745	291288161	279823169	212463521	217133777	255563809	1.309	1.544	0
Q09200	B4galnt1	Beta-1,4 N-acetylgalactosaminyltransferase 1 Mus musculus	165.3	12.95	59212	4	2727958	2456360.25	2392858	1995852	2484960	1692312.5	1346818.88	1575002.75	2303431	2299915.5	2782306.8	1974565.25	2621656	2419170	2512209.75	0.764	1.021	2
Q9CQD1	Rab5a	Ras-related protein Rab-5A Mus musculus	424.65	48.84	23599	7	11628525	13255572	15132948	14012556	16667525	16246631	15240868	22211663	20325141	18355895	16943405	14670935	14499768	20834367	15704909	1.307	1.169	2
Q9CQQ8	Lsm7	U6 snRNA-associated Sm-like protein LSm7 Mus musculus	125.58	33.01	11636	3	1775061.12	1694641.25	1524293.8	1567257.5	1695871.6	1434105.62	1211268.75	1125208.38	1217140.25	1332735.5	1586968.5	1497092	2808400.5	1177814.5	1672669.12	0.765	1.059	0
P61021	Rab5b	Ras-related protein Rab-5B Mus musculus	329.18	32.09	23707	5	10097548	12887044	13594861	12823099	14780429	15262563	13837689	20238893	18562993	15944490	17401217	14480642	13918129	19782965	14878239	1.306	1.254	1
Q8BYA0	Tbcd	Tubulin-specific chaperone D Mus musculus	479.79	11.12	133321	10	3491428.5	3078760.25	3379366.8	3340967.3	2979100.5	2699001.25	2587178.25	2368479.75	2243250	2590125.25	5187473	3961925	10883273	4807750	4173871.5	0.768	1.783	0
Q91VR8	Brk1	Protein BRICK1 Mus musculus	81.48	24	8761	2	1571108.25	1653947.25	1831268.8	1583295.8	1471861.6	1978072	2576454.25	2417374.5	1851027.38	1739977.5	2770989.5	2713233.5	2288829	1998123.3	2158850	1.302	1.471	1
P70290	Mpp1	55 kDa erythrocyte membrane protein Mus musculus	329.81	19.53	52227	6	5119398	6463702	7426845	5142863.5	5954478	7653570.5	8306387	7639650	7942653	7605515	4541061.5	3223892.5	6615801	6769807	4108965.75	1.300	0.839	0
Q5U2X6	Ccdc47	Coiled-coil domain-containing protein 47 Rattus norvegicus	236.1	11.18	55733	5	6069441	6433440.5	6261875.5	6578263.5	6427588	5532896	4561930	4567239	4492462	5283062	3853540.3	3646354.5	2854587	6241159	5653742	0.769	0.700	0
P29788	Vtn	Vitronectin Mus musculus	80.38	3.77	54849	1	585718.46	608664.56	476068.22	566794.31	691346.75	565045.69	450040.28	394125.53	453352.75	393541.66	1254385	1521247.5	698157	1076184.5	1203084.38	0.770	1.964	1
P53534	Pygb	Glycogen phosphorylase, brain form Rattus norvegicus	997.77	23.39	96174	16	15705864	14691507	18157113	13893242	17174193	20620007	18914719	20946649	21949251	20898925	11913727	12585777	47142677	15862687	11759024	1.298	1.247	0
Q8CIE6	Copa	Coatomer subunit alpha Mus musculus	2029.95	35.7	138432	37	54752145	52142633	53480853	38880813	54763105	66919729	63296805	65528761	67140929	65988693	54036741	61189913	72981561	52477045	62682781	1.295	1.194	0
O08663	Metap2	Methionine aminopeptidase 2 Mus musculus	500.59	32.01	52922	10	15516828	11387768	12905069	15976182	14790963	11847971	9765373	10857436	12232486	9836415	14934336	16095632	5261026.5	12779661	14446462	0.773	0.900	2
P16460	Ass1	Argininosuccinate synthase Mus musculus	608.06	35.92	46584	11	13275420	13054065	13941646	13497703	14251497	14662980	17744409	18109509	19689895	17813487	15804791	14369929	13788431	13925126	13962725	1.294	1.056	0
Q8VDL4	Adpgk	ADP-dependent glucokinase Mus musculus	209.99	11.29	53902	4	3787784	4039402.5	4190406.3	4056389.5	3707500.5	4924316.5	4265619	5239443	5292749	5825652	5873918.5	6708084.5	7151515	4898866.5	6266212	1.291	1.562	0
Q64511	Top2b	DNA topoisomerase 2-beta Mus musculus	581.87	9.49	181909	13	3865396.25	5066448	6605741.5	5859487.5	6521720	7755040	6314025	7628311	7136946	7183505	2263490.5	3108728.5	8316117	6951197	4015642	1.290	0.883	2
Q9CQ02	Commd4	COMM domain-containing protein 4 Mus musculus	99.52	17.59	21860	2	534395.5	644512.94	620343.56	548012.5	529927.94	804253.19	772408.31	769882.44	770881.75	590456.19	1182698.9	896621.31	1034978.94	928261.56	943336.81	1.289	1.733	2
Q61686	Cbx5	Chromobox protein homolog 5 Mus musculus	318.98	34.55	22186	6	14398439	10971152	11913454	11955168	12815540	10660456	7791987.5	7731914.5	11861656	10207734	9000524	9907099	14308984	9411057	12315519	0.778	0.885	1
P0DOV1	Mnda	Interferon-activable protein 205-B Mus musculus	59.12	2.82	46977	1	1247845.88	1424611.12	1670002	2037292.6	1953736.4	2509284	2046817	1814225	2038930	2300124	1	1	965894.31	1089503.9	1	1.285	0.247	2
P0C6P7	Fem1b	Protein fem-1 homolog B Rattus norvegicus	50.46	1.75	70237	1	421071.19	569776.81	495911.31	508221.88	641459.94	667680.5	826465.81	676491.56	675197.12	542059	632410.06	866937.94	679686.7025	553211.69	666187.12	1.285	1.289	2
Q9CWK3	Cd2bp2	CD2 antigen cytoplasmic tail-binding protein 2 Mus musculus	42.89	4.09	37694	1	1814950.62	1800040.75	1854418.8	1608763	1833601.6	1336355.88	1703293.75	1248992.62	1239582.38	1407345.88	918872.25	1427613.25	629440	1362992	1141571.75	0.778	0.615	1
Q99K70	Rragc	Ras-related GTP-binding protein C Mus musculus	579.47	33.67	44121	10	14928620	14346077	12675224	13872516	13801978	16002488	16457978	20046327	20891277	16035339	21292239	21641191	34361681	21559607	15886186	1.285	1.648	0
Q9D8Y7	Tnfaip8l2	Tumor necrosis factor alpha-induced protein 8-like protein 2 Mus musculus	111.73	26.09	20615	3	1796468.38	1357452.12	1558567.4	1502751.8	1597390.5	1632008.38	1859416.25	2393058	2314854	1835698.12	3018929.5	1999290.25	2605071.438	2870856	2531210	1.284	1.667	1
P18665	Mrpl3	39S ribosomal protein L3, mitochondrial Rattus norvegicus	42.24	2.02	38253	1	906874.12	535163.25	758515.62	793569	822983.12	932533.81	1073244.38	851099	926706.62	1116616.88	1	1	1	1	1	1.284	0.000	1
P09671	Sod2	Superoxide dismutase [Mn], mitochondrial Mus musculus	292.17	41.89	24603	5	22157289	21025105	21348349	21542697	20649181	31759481	23837385	28940521	26037687	26183559	26546287	28284373	22765859	23946063	31638205	1.281	1.248	0
O35344	Kpna3	Importin subunit alpha-4 Mus musculus	574.8	27.45	57773	10	12517189	17846735	15646273	12939867	15247825	20923129	19310919	17653137	17796679	19376531	13005591	13994303	8153937	14977971	8990768	1.281	0.797	2
Q9DBR3	Armc8	Armadillo repeat-containing protein 8 Mus musculus	104.88	4.75	75364	2	644990.94	639468	770939.81	562454.06	605600.88	839502.44	830743.62	824925.6575	962445.38	667011.19	659171.06	659757.12	1072789.75	703342.75	703858.25	1.280	1.179	1
B1AXP6	Tomm5	Mitochondrial import receptor subunit TOM5 homolog Mus musculus	38.98	19.61	6037	1	436699.78	344361.47	375717.94	464764.72	308464.28	297845.09	309390.34	314764.62	299505.94	287871.31	577496.62	512185.81	621658.06	540920.92	452343.19	0.782	1.401	2
Q9R007	Clec5a	C-type lectin domain family 5 member A Mus musculus	45.37	8.95	21696	1	200882.705	232598.34	186341.19	204410.59	180180.7	198712.3	169837.5	121517.04	140734.8	157700.41	179819.86	194222.16	205827.7475	215176.17	234092.8	0.785	1.025	2
P41216	Acsl1	Long-chain-fatty-acid--CoA ligase 1 Mus musculus	1095.66	40.63	77951	21	20299951	22227033	20095137	20253727	21126101	25467143	27377443	27216223	29237109	22998871	30857715	33385507	30494901	25498935	34690205	1.272	1.490	0
Q4V886	Paf1	RNA polymerase II-associated factor 1 homolog Rattus norvegicus	43.27	2.06	60546	1	323774.59	454632.31	453178.88	495676.41	361339.47	545886.12	529678.19	547177.31	521042.75	510995.44	1	1	1	706355.94	358465.03	1.271	0.510	0
Q9JHK5	Plek	Pleckstrin Mus musculus	743.29	43.14	39901	11	17830597	18448083	17480665	18690321	18667099	24903569	21835577	26660565	21744285	20648989	20825709	17119317	15875020	20669287	14157463	1.271	0.973	0
Q9QWR8	Naga	Alpha-N-acetylgalactosaminidase Mus musculus	613.16	36.63	47235	12	12524616	11592165	10598380	11298605	13565391	9555022	9131331	10486529	8556352	9207184	11915206	11914551	26029171	10331842	12770195	0.788	1.225	0
Q9Z0J0	Npc2	NPC intracellular cholesterol transporter 2 Mus musculus	223.6	41.61	16442	5	12747963	12120911	12160158	10080239	10965239	10265357	10609249	7271629.5	7981900	9646466	17353279	12010019	35816361	11996469	13572964	0.788	1.563	2
Q63486	Rraga	Ras-related GTP-binding protein A Rattus norvegicus	415.81	34.5	36566	7	5774751	6571442	4831726.5	6338573.5	5914006	7936919.5	6760355	8275384	7408933	6955813	6231646.5	6001392	5770309.5	7791744.5	5059486	1.269	1.048	0
P10853	Hist1h2bf	Histone H2B type 1-F/J/L Mus musculus	1153.51	55.56	13936	18	1307551361	1.208E+09	1.138E+09	1.145E+09	1.217E+09	916055873	1011296641	881825729	891808449	1049311425	1.361E+09	1384879617	1416641153	1.129E+09	1725803393	0.790	1.167	0
Q9D8W5	Psmd12	26S proteasome non-ATPase regulatory subunit 12 Mus musculus	1211.41	50.88	52895	20	16083561	17625959	19685531	16849077	17005889	24646541	19944955	23124811	21854449	20897845	26824117	23717531	54840829	21718293	25643251	1.266	1.751	0
P10854	Hist1h2bm	Histone H2B type 1-M Mus musculus	1109.6	55.56	13936	17	1307832321	1.209E+09	1.138E+09	1.145E+09	1.216E+09	917001729	1011667713	882844225	892769025	1049393473	1.362E+09	1385788033	1417294593	1.13E+09	1726745985	0.790	1.167	0
Q62159	Rhoc	Rho-related GTP-binding protein RhoC Mus musculus	747.29	65.8	22006	12	50365273	56649917	63035281	58981605	65210737	70870457	71435337	74372473	76541729	78734129	63924433	64301133	74177849	73584329	63372825	1.264	1.153	0
Q64568	Atp2b3	Plasma membrane calcium-transporting ATPase 3 Rattus norvegicus	544.51	7.15	138559	9	4967616	4871191.5	4651602.5	5380860	5749818	6659893	5721020	6059712.5	7156270.5	6788373.5	6313732.5	6260270	14080165	5665478	7316294	1.264	1.547	1
Q99JV5	Stard4	StAR-related lipid transfer protein 4 Mus musculus	66.71	6.25	25579	1	1163742.25	1077671.12	949520.94	888633.94	1285919	859198.69	849744.56	803902.81	767361.12	968515.62	1234042.1	1203721.38	1202819.44	966854.38	1406659.88	0.792	1.121	2
Q9D0I9	Rars	Arginine--tRNA ligase, cytoplasmic Mus musculus	1781.69	47.12	75674	31	65680237	59579461	61051921	53612217	63997157	81683577	70202633	81714969	80060929	69900873	67594329	69694345	112369233	65624721	69702257	1.262	1.267	0
Q9QUR6	Prep	Prolyl endopeptidase Mus musculus	1197.57	38.59	80752	19	24195273	24390641	23747309	24535511	24757237	29931179	28401667	33312645	31158979	30551029	30217367	30619821	24589937	27157523	33313085	1.261	1.200	0
Q9CQX2	Cyb5b	Cytochrome b5 type B Mus musculus	328.72	58.22	16318	5	7846658	7836644.5	7004697.5	6158813	6187236	5215299.5	5887482	6001398	5923462	4762979	11696625	7061669	8971004	9065247	9243349	0.793	1.314	0
Q9D1Q1	Mphosph6	M-phase phosphoprotein 6 Mus musculus	39.11	6.83	19086	1	1310254.62	1347078.88	1346514.3	1246196.5	1273847.1	912911.69	1119911.25	925080.62	1034609.56	1185703.25	451870.75	590871.81	1486314.62	1005147.6	883551.2	0.794	0.677	0
Q569Z6	Thrap3	Thyroid hormone receptor-associated protein 3 Mus musculus	482.4	13.67	108178	10	13098244	11609541	12079077	11148269	9542191	8525900	9690024	8785687	9465381	9201215	11811660	13926445	2804284	11738197	13306726	0.795	0.932	1
A1L314	Mpeg1	Macrophage-expressed gene 1 protein Mus musculus	1083.6	44.04	78390	18	48906185	55918117	55375561	51415737	54006781	68006753	65181937	70728729	65966281	64086613	65707621	58037873	32011505	65258449	56374745	1.257	1.044	0
Q61462	Cyba	Cytochrome b-245 light chain Mus musculus	136.89	7.29	20748	3	4650528.5	3898721.75	4716980	4025594.8	4396640.5	5893510	4839731	5511061.5	5266727	5718805	4891249	4936368.5	7732534	5490085	4932157.5	1.255	1.290	0
Q8R0X7	Sgpl1	Sphingosine-1-phosphate lyase 1 Mus musculus	342.72	16.55	63677	7	6678337	6739219	7956558.5	7501127.5	7982778.5	9339080	8748473	8899507	10127684	9141453	6268853	7120692.5	13584066	8201401	6616339	1.255	1.134	0
Q61733	Mrps31	28S ribosomal protein S31, mitochondrial Mus musculus	148.48	13.54	43881	3	1681433.62	2180127.75	1802824	1421261.8	1805008.4	1268170.5	1596800.88	1657928.5	1350476	1214672.5	2558619	2260285.75	25897585	2475305	3133248.75	0.797	4.086	2
Q6P9Q4	Fhod1	FH1/FH2 domain-containing protein 1 Mus musculus	213.66	6.43	129600	5	2390231.75	1780010.5	1673093.5	1747636.6	2381452.5	1765409.25	1636467.25	1600434	1376241.38	1583790.75	1925835.4	1794740.62	2531943.5	1923389.5	2231857.75	0.798	1.044	2
P0DOV2	Ifi204	Interferon-activable protein 204 Mus musculus	675.02	27.46	69438	12	13020806	14123391	12033187	11343347	15226743	15008540	18575117	15909859	17391183	15332228	20748713	15274125	10919715	16973961	19122203	1.250	1.263	1
Q9CQ37	Ube2t	Ubiquitin-conjugating enzyme E2 T Mus musculus	110.46	9.31	22975	2	3731901.75	3890445.5	3437510.5	3411185.3	3703269	2720545	3137808.5	2361108.5	2751695	3566413.75	3278974.5	2624371.25	3071018.75	3024594.8	3682207	0.800	0.863	2
Q9BDB7	Ifi44l	Interferon-induced protein 44-like Mus musculus	231.32	12.98	49680	4	2982582.5	2962626.25	2781356.3	2909940.3	2879975.5	4048507	3986359.75	3414163.25	3569010.75	3089321.5	1499155.5	2420050.75	929595.38	1681950.9	1555219.25	1.247	0.557	0
G5E829	Atp2b1	Plasma membrane calcium-transporting ATPase 1 Mus musculus	1028.14	18.03	134747	18	12689471	11652032	11897142	10946082	12825152	16461989	14582062	12414559	16108251	15257859	12441278	12188696	25366253	13141271	14365298	1.247	1.292	2
P57791	Rce1	CAAX prenyl protease 2 Mus musculus	36.47	5.78	35867	1	174813.36	187708.64	115323.8	169206.38	198979.7	209891.2	215377.2	180769.36	223295.47	224252.19	184501.88	330711.62	225839.4675	137508.17	250636.2	1.245	1.335	2
Q6P5E4	Uggt1	UDP-glucose:glycoprotein glucosyltransferase 1 Mus musculus	2310.6	40.04	176434	42	59205885	64781573	58607137	52859401	59589233	76940833	64001389	77028201	81087889	68358257	89129633	71387593	56868929	87673241	74037745	1.245	1.285	1
O88838	Spsb2	SPRY domain-containing SOCS box protein 2 Mus musculus	35.47	2.65	28938	1	4818849	3831128	3581750.8	4126838.5	4647971.5	3321738	3517768.5	3053419.25	3252065.25	3735959.75	3518998.8	3322310	7225720.5	3238534.3	4056082.5	0.804	1.017	1
Q8BH74	Nup107	Nuclear pore complex protein Nup107 Mus musculus	111.85	3.02	106717	2	919492.94	861306.62	993361.25	868594.19	1111192	1096448	1206325.75	1260663.62	1287256	1059035.25	965779.5	992689.88	1160845.12	1266037.8	1372439	1.243	1.211	2
Q80UY2	Kcmf1	E3 ubiquitin-protein ligase KCMF1 Mus musculus	169.46	8.14	41791	2	827218.62	1047526.5	861378.69	866719.75	1028522.9	1238052.75	1126748.75	1336966.88	1151868.5	902683	528436.94	580187.06	265807.41	951691	463135.41	1.243	0.602	2

Q64310	Surf4	Surfeit locus protein 4 Mus musculus	274.41	21.19	30381	4	2421641.25	2526161.25	2196110.8	2736183	2096824	3254697.5	3007668	2979550.25	2665191.25	2941775.5	4358111	4416969	4897514	3545412.3	4954162	1.240	1.851	1
Q9JM90	Stap1	Signal-transducing adaptor protein 1 Mus musculus	637.43	59.93	34628	13	32543437	40235417	40800541	38128857	39246909	44563093	45005925	51143525	47267093	48705433	20457299	22522857	22767651	36448425	28761691	1.239	0.686	0
Q8BKC5	Ipo5	Importin-5 Mus musculus	1521.09	37.65	123591	28	35871361	40646601	45075397	34700557	33848953	48522809	43993541	46456093	49068373	47580449	46884317	51327277	52765561	45033057	47296929	1.239	1.280	1
O54835	Smad9	Mothers against decapentaplegic homolog 9 Rattus norvegicus	79.33	5.53	48992	2	2445937.5	2245442.5	2134239	2298542.5	2079420.6	1840680.25	1787227.5	1628032.5	1897451	1888787.62	2284755.5	2018909	2263940.5	2048858.5	2311456	0.807	0.975	0
Q64701	Rbl1	Retinoblastoma-like protein 1 Mus musculus	76.44	1.69	119456	2	2108036.5	1932783.62	2397375.3	2138159.3	2855026.8	1943437.75	1890250.62	1685848.25	1895331	1814701.5	1992203.3	2199161	1110456.88	1924910	2242338.5	0.807	0.828	1
Q60520	Sin3a	Paired amphipathic helix protein Sin3a Mus musculus	186.69	4.47	145088	4	1202976.38	1924451.25	2022975	1652887.5	1446911	2158825.5	2077873.75	2098375.5	2026855.5	1856267.88	1782428.5	1526847.25	286712	2291847.5	1561948.88	1.239	0.903	2
Q4KLH4	Pspc1	Paraspeckle component 1 Rattus norvegicus	180.35	9	58760	3	2308916.75	2019249.5	1862898.4	1953341.8	2104826.5	1382853.5	2008586.5	1671484.88	1515040	1698867	1692027.1	1511446.25	569550.56	1822118.9	2427338.25	0.808	0.783	2
Q9Z277	Baz1b	Tyrosine-protein kinase BAZ1B Mus musculus	327.78	6.63	170651	7	7307461	6590156.5	6350291.5	6452842.5	6436664	5895551.5	5944501.5	4238916.5	4998785	5685484	7064386	7102275.5	3721329.5	6589726.5	7124453	0.808	0.954	0
P11240	Cox5a	Cytochrome c oxidase subunit 5A, mitochondrial Rattus norvegicus	288.69	38.36	16130	6	16893233	17161089	16670289	15096778	16061787	12450973	14095128	14349935	10820399	14452549	17993043	18380227	27262933	15576614	18646399	0.808	1.195	0
Q9QZQ8	H2afy	Core histone macro-H2A.1 Mus musculus	565.73	37.1	39735	10	23198691	21180227	21739955	23211391	23582445	15787341	18125427	21242777	19388937	16707132	21765581	20510765	19086333	19672539	23403575	0.808	0.925	1
D3ZCL3	Snrpc	U1 small nuclear ribonucleoprotein C Rattus norvegicus	75.42	7.55	17364	1	1913686.25	1512536.25	1876774.1	2183392	1636397.8	1509495.5	1632698.62	1359265	1364252.75	1511133	1771867	1655198.75	1807137.75	1447140.8	1897510.38	0.809	0.940	1
P83917	Cbx1	Chromobox protein homolog 1 Mus musculus	368.92	45.95	21418	5	15403365	18025361	17512437	19033339	18088191	13597429	14669594	14516324	15330985	13124808	14820327	14533669	12349104	15425653	14496376	0.809	0.813	0
Q3UZA1	Rcsd1	CapZ-interacting protein Mus musculus	372.28	25.97	44114	7	9404940	8579767	7843840	9968769	9081057	7389729	7834154.5	6364559.5	7317966	7440601	8006182	9651607	4658644	6922728.5	9260047	0.810	0.858	0
Q64378	Fkbp5	Peptidyl-prolyl cis-trans isomerase FKBP5 Mus musculus	386.09	20.18	50966	8	10920927	13024757	12408661	13884864	11593888	9817269	10195380	10583534	10021497	9583934	12050117	12629703	10053734	10406668	11734226	0.812	0.920	0
Q60710	Samhd1	Deoxynucleoside triphosphate triphosphohydrolase SAMHD1 Mus musculus	1087.99	36.93	75893	19	30415509	29780563	30402299	22861267	33381885	37863121	37142997	36499393	34686249	34568013	27274825	30699057	64376701	30103273	28428557	1.231	1.232	0
Q80WS3	Fbll1	rRNA/tRNA 2'-O-methyltransferase fibrillarin-like protein 1 Mus musculus	193.75	11.46	33339	3	9503035	9489999	9847168	9178776	9299070	8456957	8422843	8033887	6967496	6565440	10968893	9198595	2122208.25	9391448	10406132	0.813	0.889	0
O55099	Aurkb	Aurora kinase B Rattus norvegicus	142.8	9.91	39234	3	1526023.62	1768709	1478341	1424601.6	1694345.1	1313438.12	1220959.12	1048200.81	1320324.25	1521248.25	1803934.8	1676034.25	521183.84	1946177.1	1942573.75	0.814	1.000	2
Q99KE1	Me2	NAD-dependent malic enzyme, mitochondrial Mus musculus	842.78	47.88	65799	16	19560175	17192549	18414735	17091983	17639985	14262103	13796923	14944461	14754121	15453172	13203591	12859620	8723599	16778565	13142632	0.814	0.720	0
P25911	Lyn	Tyrosine-protein kinase Lyn Mus musculus	639.8	34.18	58812	12	9006756	10610157	10933946	9994635	9024552	11405715	13024147	12114331	13123684	11124766	11476755	10632887	13393653	12318415	11094301	1.226	1.189	0
P70168	Kpnb1	Importin subunit beta-1 Mus musculus	1892.39	55.25	97184	31	67333881	61839921	68174441	75400521	64515553	83130769	80334529	84650537	84392761	80640073	84665785	82192809	96592273	74941505	79847673	1.225	1.240	0
Q9CPU4	Mgst3	Microsomal glutathione S-transferase 3 Mus musculus	221.11	33.99	16958	3	5273090.5	5609569	5013269	4973797	5358806.5	5643466.5	6231659	7571940	6504238.5	6155285	9761694	8971811	11626399	8684590	10435209	1.224	1.886	0
P10922	H1f0	Histone H1.0 Mus musculus	264.71	27.84	20861	6	13933011	14387229	13580477	13712053	15207749	12066865	12861613	9980241	9955213	13034482	13182895	12975264	6189240	12518038	15248854	0.818	0.849	0
Q8VE37	Rcc1	Regulator of chromosome condensation Mus musculus	336.85	21.62	44931	6	13044966	14094340	14520077	14630300	12910581	11396243	11740886	11433238	10796826	11245676	12480182	12899491	9264479	11609047	11859144	0.818	0.840	0
Q8VCF0	Mavs	Mitochondrial antiviral-signaling protein Mus musculus	442.01	21.27	53399	7	6719422	7781369	6575563	7942345.5	8246764	5430196	6024716	5477382.5	6264224	7305235	6166617.5	7173824.5	9136941	6667637	8342414.5	0.818	1.006	2
Q64281	Lilrb4	Leukocyte immunoglobulin-like receptor subfamily B member 4 Mus musculus	272.17	22.09	37544	4	6739830	7205689.5	7530875	6041111.5	5720367	7664855	8040774	8606602	8065891.5	8188490	8289510	7606760.5	5973085.5	7843908	7915182	1.220	1.132	0
P17426	Ap2a1	AP-2 complex subunit alpha-1 Mus musculus	1066.92	33.27	107664	21	20566859	17848983	21632851	18114277	20164895	23641637	22594499	24547549	24388093	24488219	22534629	24267043	22325703	23067333	20967453	1.217	1.151	0
P38060	Hmgcl	Hydroxymethylglutaryl-CoA lyase, mitochondrial Mus musculus	605.33	46.77	34239	10	12987941	14349507	13339348	15018609	13498409	10392988	12815957	12035803	11826265	9796199	14233826	13875530	26100519	12584189	13520194	0.822	1.161	0
Q9CU62	Smc1a	Structural maintenance of chromosomes protein 1A Mus musculus	939.73	18.82	143235	19	21181187	22086073	19734703	23792591	22814789	20904239	18753883	16237786	16792783	17414179	16905835	16946337	16041292	15543983	20704529	0.822	0.786	1
O88271	Cfdp1	Craniofacial development protein 1 Mus musculus	215.9	21.02	32921	4	5220000	5191887.5	5700346.5	5170020.5	5028156.5	2886362.75	4349964	4328024.5	4884292	5185096.5	4957094	5238072	1281957.5	4432605.5	5328986	0.822	0.807	2
Q9CQI7	Snrpb2	U2 small nuclear ribonucleoprotein B'' Mus musculus	187.01	20	25323	4	2062183.25	2071490.38	1652423.6	1716607.8	2052334.5	1645788.25	1643587.5	1408046.88	1675289.62	1497857.25	2432038.8	2138060.5	1679558.25	1750124.9	2714387.75	0.824	1.121	1
O88286	Wiz	Protein Wiz Mus musculus	43.91	0.89	184291	1	884329.62	870577.81	830422.38	968495.62	784842.38	781585	666060.06	786357.81	657642.12	683827.19	1	1	1	613872.19	613196.44	0.824	0.283	1
Q3TBD2	Arhgap45	Rho GTPase-activating protein 45 Mus musculus	567.96	15.14	122902	11	15034527	16594201	15989878	16130475	16311908	12076811	12836949	13120724	14399320	13565114	13840929	15731458	12410984	13759390	15562351	0.824	0.891	0
P67871	Csnk2b	Casein kinase II subunit beta Mus musculus	83.12	15.81	24942	2	2284482.5	2505636.25	2230882.3	2421317.5	2284114.8	2146632.25	1690191.25	1705716	2080151.88	2044182.38	3329480.8	2649584.75	3008805.5	2180525.5	3515477.5	0.824	1.252	0
Q8R311	Ctage5	Endoplasmic reticulum export factor CTAGE5 Mus musculus	84.57	3.47	87718	2	862734.75	1009554.69	1027935.3	935302.25	881241.94	796345.31	738577	715019.38	912515.62	727624.62	776621.38	726206.25	768845.19	723693.38	729542.31	0.825	0.790	2
Q91ZX7	Lrp1	Prolow-density lipoprotein receptor-related protein 1 Mus musculus	3428.96	18.13	504742	60	47448749	45520585	52159129	45204017	53526641	44928405	42893153	34492121	38154765	40809853	53702337	54391421	101037993	54010353	57113509	0.825	1.313	0
Q62093	Srsf2	Serine/arginine-rich splicing factor 2 Mus musculus	361.38	25.34	25476	5	40169945	36430645	34366973	34128501	33942945	30301179	30521183	25804087	30542921	30625295	35965253	33184971	15452640	28959675	33298545	0.825	0.820	0
Q3ZAV0	Ccdc60	Coiled-coil domain-containing protein 60 Rattus norvegicus	39.47	1.48	62503	1	1382288.12	1397346.75	1696814.3	1247709.6	1693174	1704980.5	1913544.62	1718296.88	1985337.5	1660110.75	1475710.5	1928625.62	4766226	1572322.3	1841493.25	1.211	1.562	2
P97315	Csrp1	Cysteine and glycine-rich protein 1 Mus musculus	258.97	33.16	20583	5	5679140	6709612.5	6945032.5	6961349.5	6113372	5068337	5598843.5	5662131	5345107	5101780	6912480.5	7292268	1641244.88	5658993	6825505.5	0.826	0.874	0
Q62189	Snrpa	U1 small nuclear ribonucleoprotein A Mus musculus	295.14	31.71	31835	6	5218773.5	4365908	4104020.8	4193212.5	3984386.5	4035469.5	3904774.5	3441288	3259906	3427865	5469283	5960449	4794678	3771323	6237378	0.826	1.200	1
Q9WTK5	Nfkb2	Nuclear factor NF-kappa-B p100 subunit Mus musculus	402.2	13.35	96832	8	7745056.5	8591241	7424057.5	7935628	7501150.5	9558097	9813822	9609439	9365928	9053154	6680712	6699368	2280097	7862159	5758581.5	1.209	0.747	0
Q99ME9	Gtpbp4	Nucleolar GTP-binding protein 1 Mus musculus	640.33	24.76	74113	13	7583182.5	11418422	12894545	13589524	13153810	13707904	13943019	14737561	15348738	13095452	13108879	13900133	1219336	15287826	15831519	1.208	1.012	2
Q8BGH2	Samm50	Sorting and assembly machinery component 50 homolog Mus musculus	769.28	41.58	51864	15	9972325	10993957	11741068	13661553	10992852	14350826	12778403	14109109	14779383	13198982	11776909	12055409	22895399	14107828	13336650	1.207	1.293	2
Q9JMD0	Znf207	BUB3-interacting and GLEBS motif-containing protein ZNF207 Mus musculus	167.13	6.67	52793	3	7651074	7119820	7332162	7707515	7843850	5810001	6249354	6275069.5	6016500	6863870	6761328	5918092	1483100.12	5828862	5669951	0.829	0.681	0
P08228	Sod1	Superoxide dismutase [Cu-Zn] Mus musculus	269.37	32.47	15943	4	23261381	23439367	22009595	21983309	21192561	19035333	21742121	17378625	14752537	19908665	28747401	21687155	27194619	19012325	22697279	0.830	1.067	1
P16036	Slc25a3	Phosphate carrier protein, mitochondrial Rattus norvegicus	713.67	44.66	39445	12	33520583	33722345	33874549	35599925	32916929	38825345	38627189	47054901	42722613	37253409	48347145	46544293	49614241	54243945	49885245	1.205	1.466	0
O35864	Cops5	COP9 signalosome complex subunit 5 Mus musculus	418.43	38.02	37549	9	8446147	12179587	13605257	14015671	13427041	14275301	14095906	15939940	15800648	14125002	14468371	13891578	13607675	15468378	14209098	1.204	1.162	0
Q8CG47	Smc4	Structural maintenance of chromosomes protein 4 Mus musculus	1030.89	23.64	146895	22	28777381	30661907	36605569	31259871	27118019	24804791	23078327	26928023	28821967	24720641	35942553	36015957	17872565	27888209	33560385	0.831	0.980	2
O70439	Stx7	Syntaxin-7 Mus musculus	225.56	22.22	29821	4	12736658	11591634	12537486	13071219	12137376	10105944	12287865	9313339	10874369	9014601	6023630	9331929	8671299	10038362	8580925	0.831	0.687	2
O88986	Gcat	2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial Mus musculus	461.88	32.45	44931	7	8848859	10459113	10623429	9421302	8821003	8762452	8368541	7921385	6892531	8211751	8308134	7065876	4027605	8296428	6218068	0.834	0.704	0
P08753	Gnai3	Guanine nucleotide-binding protein G(k) subunit alpha Rattus norvegicus	832.77	39.55	40522	12	17627339	19977953	18697067	17080071	16944347	20891165	20740359	24155615	22301357	20260581	26525577	27815889	30393809	26131777	25618721	1.200	1.511	0
Q64324	Stxbp2	Syntaxin-binding protein 2 Mus musculus	695.14	24.28	66357	11	4645525	4182259.75	3911557.8	3686723.5	4270462	4187070.5	5049216.5	5436571	5210724	4937935	5265326	5653858	5396454.5	5539519	4502814.5	1.199	1.274	2
Q61550	Rad21	Double-strand-break repair protein rad21 homolog Mus musculus	172.78	9.13	72083	4	3229031.5	2457187	3703689	2902913	3184308.8	3687554.5	3741147	3896998.75	3495928	3730928.5	2235490.8	2796648	599976.19	2620659	2323153.75	1.199	0.683	2
P54645	Prkaa1	5'-AMP-activated protein kinase catalytic subunit alpha-1 Rattus norvegicus	131.28	6.44	63973	3	2628998.25	3035659.75	2886252.8	2882495.8	3072667.3	2671700.75	2394272.75	2005664.5	2489557.25	2546315.5	2931572	2901282	1285382	2464388	2315392	0.835	0.820	1
P10810	Cd14	Monocyte differentiation antigen CD14 Mus musculus	919.15	51.37	39204	13	28480159	25159369	29085385	28263451	27561469	31249521	35070341	31779297	31520967	36343625	17149205	12356341	31484403	22896749	15502589	1.198	0.717	0
Q3TEA8	Hp1bp3	Heterochromatin protein 1-binding protein 3 Mus musculus	499.96	22.74	60867	9	18146717	18202423	17410401	17438823	18208761	15636722	15726821	13813689	14221137	15294521	17594131	20265329	16732402	16734097	21335243	0.835	1.036	0
Q9CRB9	Chchd3	MICOS complex subunit Mic19 Mus musculus	238.76	18.94	26335	4	5441981.5	5536751.5	6002062	5369452.5	5244641	3492950.5	4944591	4904059	4815669	4920188	6474711	5194460.5	3352801.75	5159609	5919794	0.836	0.946	0
Q9Z2D3	Gsdme	Gasdermin-E Mus musculus	44.84	1.76	56631	1	523834.38	448666	505892.72	459338.06	484432.79	448796.72	382198.25	344553.56	438450	411997.81	1	1	701541.06	293563.31	644737.06	0.836	0.677	1
Q9CZU3	Mtrex	Exosome RNA helicase MTR4 Mus musculus	704.57	17.5	117636	13	11969138	10924308	10704631	9621347	11574133	13980823	12862647	14716849	12159088	11754307	11047654	12073589	13168698	12579711	11710043	1.195	1.106	1
P61211	Arl1	ADP-ribosylation factor-like protein 1 Mus musculus	382.62	52.49	20412	7	9716484	9319563	10401608	9973913	10249820	11004035	11419635	14092935	12016050	10797269	13205211	12690282	15416520	13454593	12305048	1.195	1.351	0
Q8QZT1	Acat1	Acetyl-CoA acetyltransferase, mitochondrial Mus musculus	601.7	31.84	44816	10	42992693	42881153	42909929	43448369	37958449	37503405	32414093	34773445	34220813	37282221	45289561	50008885	28770459	41037277	51673289	0.838	1.031	0
Q8BGD9	Eif4b	Eukaryotic translation initiation factor 4B Mus musculus	1121.46	37.97	68840	19	53894521	58284049	54076401	48693821	51492281	50674061	41623305	38263233	46430801	46638845	38516901	46070793	22514941	43553369	46151793	0.839	0.739	1
Q9JIW9	Ralb	Ras-related protein Ral-B Mus musculus	396.86	50.97	23349	8	8187123	9640585	9201731	8321568	6678574	9993305	8426664	10327653	10819483	10505838	11076702	7650187	6971239	11810139	8961202	1.191	1.106	2
P42225	Stat1	Signal transducer and activator of transcription 1 Mus musculus	1044.25	29.37	87197	17	27458489	29225065	28233791	30459675	28324267	34924873	33957153	34468485	36462533	31335013	17005367	20702773	15897063	22325235	17456825	1.191	0.650	0
Q9DBH5	Lman2	Vesicular integral-membrane protein VIP36 Mus musculus	187.23	18.99	40430	4	2365352.75	3417853.5	3014357.8	3262513	3203636.3	3707801	3518156	3562787	4051137.5	3324662	4113971	3250900.25	1262790.5	6056893	4013830.5	1.190	1.225	1
P61589	Rhoa	Transforming protein RhoA Rattus norvegicus	759.83	65.8	21782	12	56969301	64465313	68566017	65388305	70577753	75131497	75205537	76041065	79279217	82257745	68831873	68197841	77786721	77042089	68876457	1.190	1.107	0
P47754	Capza2	F-actin-capping protein subunit alpha-2 Mus musculus	760.1	64.34	32967	14	40043545	37302253	46402801	51249865	46118205	52009421	47452669	51571125	57072913	54788293	42008901	41874913	71378073	42695649	45938169	1.189	1.103	1
Q9EQP2	Ehd4	EH domain-containing protein 4 Mus musculus	1173.64	47.13	61481	21	41605237	39469985	41944669	40817141	40187845	47551973	49808893	47389213	49901729	47753201	39043349	36978293	35521485	42316777	38233057	1.188	0.942	0
Q61543	Glg1	Golgi apparatus protein 1 Mus musculus	1636.4	32.26	133734	29	28137257	30302131	27000499	24349021	27301445	24076655	22982851	21516871	23605275	23319227	27651375	30369057	44566341	26201765	30271721	0.843	1.160	0
P97300	Nptn	Neuroplastin Mus musculus	130.03	6.3	44373	2	3663882.25	3004294	3483068.8	3610820.3	3360058.3	2929735.75	2807073.5	2623939.25	2741363.25	3328569	3009453.8	3047846.75	3547073.75	3157662	2866434	0.843	0.913	1
Q9CZW5	Tomm70	Mitochondrial import receptor subunit TOM70 Mus musculus	521.79	17.18	67590	10	17490341	17961619	17020761	19028171	17077821	16608680	14285707	12901489	15613069	15248852	19417037	20426209	25194949	17377375	25171851	0.843	1.215	0
Q8BWZ3	Naa25	N-alpha-acetyltransferase 25, NatB auxiliary subunit Mus musculus	298.5	10.29	111708	7	3542995.75	3446729.25	3013702	3418576	3678201.5	3578294	3676612.5	4053784.75	4774963	4198336	4485840	3039405.25	7883578.5	3799697	3573692.5	1.186	1.332	2
Q9D554	Sf3a3	Splicing factor 3A subunit 3 Mus musculus	868.71	38.72	58842	14	20318201	20626393	22646919	20141745	22318781	25146219	23997577	24175277	27103597	25361707	13331656	11001534	19476603	21423413	11464227	1.186	0.723	0
Q9CX86	Hnrnpa0	Heterogeneous nuclear ribonucleoprotein A0 Mus musculus	501.93	39.02	30530	8	27941097	29172933	28853033	27731803	28611939	24768077	27749227	14111265	25994713	27414013	27056319	26190415	18206855	29220125	26575849	0.843	0.894	1
P47753	Capza1	F-actin-capping protein subunit alpha-1 Mus musculus	528	45.1	32940	10	33755481	35464925	39418449	40784121	36147297	44879389	40161985	43561761	45731033	45655261	38549965	32957769	59983729	37735109	36498845	1.185	1.109	1
Q9JIY5	Htra2	Serine protease HTRA2, mitochondrial Mus musculus	220.09	17.69	49348	5	1831965.12	1678048	1223698.1	2041805.5	2014712.9	2125495.5	1960362.5	2092263.75	2112634.5	2129309.5	584560.31	1092225.37	1389049.25	1944618.5	450673.41	1.185	0.621	2
Q3UEB3	Puf60	Poly(U)-binding-splicing factor PUF60 Mus musculus	835.78	34.75	60249	13	43392985	43643009	44702285	46478421	43151045	38340393	38407877	36411125	34828645	38775977	35643489	35956541	14500037	28223193	44322493	0.844	0.717	0
P23198	Cbx3	Chromobox protein homolog 3 Mus musculus	440.56	36.61	20855	7	46385125	46642409	46068897	48692085	44121877	41529865	40255565	36245905	38791549	39060813	41870701	40865061	44511657	39183897	38501589	0.845	0.884	0
Q8BHK9	Ercc6l	DNA excision repair protein ERCC-6-like Mus musculus	45.2	1.21	138854	1	633234.56	734582.75	627716.81	713624.31	746092.06	619313.81	613851.5	604640.38	562862.62	518774.16	458478.72	616076.88	332610.56	553044.12	584776.62	0.845	0.737	0
Q5PQL2	Cnot9	CCR4-NOT transcription complex subunit 9 Rattus norvegicus	132.57	11.71	33601	3	2783424	2685480.5	2815987.3	2002822	2748805	3096713.5	3068909	3429878.75	2790351.5	3035802	3026280.3	2524807	3127864	3070750	3092383.75	1.183	1.139	1
P97536	Cand1	Cullin-associated NEDD8-dissociated protein 1 Rattus norvegicus	1278.81	27.56	136362	24	31650049	31889735	31652463	29209251	29740635	35312785	36790109	34688321	37405069	37996501	34047133	41759237	60301273	33877637	40780197	1.182	1.367	0
Q9QZE5	Copg1	Coatomer subunit gamma-1 Mus musculus	1278.92	42.33	97513	24	34955569	38285561	33901649	32914311	36194961	47938113	40478721	38020073	42557085	39272013	35312873	41935441	76111777	40913305	42227989	1.182	1.342	1
Q9Z2D8	Mbd3	Methyl-CpG-binding domain protein 3 Mus musculus	273.07	16.84	32168	5	6129777	6177171.5	5943523	6306180	5560346	5332819.5	5232059	4941076.5	4732986.5	5249306.5	5996127	5841292	3305293.5	5232505.5	6901562	0.846	0.906	0
Q9CVB6	Arpc2	Actin-related protein 2/3 complex subunit 2 Mus musculus	1177.12	70.67	34357	19	90562745	105564441	113021393	112052097	98287977	117180665	117380593	134918993	128276321	115474305	104172121	88245105	131298433	112798857	85657633	1.180	1.005	0
Q924K8	Mta3	Metastasis-associated protein MTA3 Mus musculus	159.11	5.92	67077	3	10765659	10644539	10041353	12756687	11625587	8756438	9405317	9176533	9954426	10018823	9318435	11877619	9250077	10536545	11789931	0.847	0.945	0
P46061	Rangap1	Ran GTPase-activating protein 1 Mus musculus	1367.74	45.16	63531	26	70610105	77896161	80348849	86685289	83135665	68656945	68558561	60390289	75434825	64804545	74747921	75327729	23182311	75827649	76272817	0.847	0.816	1
P07742	Rrm1	Ribonucleoside-diphosphate reductase large subunit Mus musculus	647.75	26.64	90210	14	17056637	16887321	17103181	18758543	16553795	19213995	19570487	22274787	20996699	19830925	25205943	23465837	6376581.5	24243953	24075491	1.180	1.197	0
Q9WVL2	Stat2	Signal transducer and activator of transcription 2 Mus musculus	153.72	3.47	105417	3	1731861.88	1593110.5	1687459.5	1369802.3	1635709.3	1921660.88	2012061.5	1797963.12	1883432	1823181.25	1222653.4	1318630.5	1117271.12	1171637.5	1554133.5	1.177	0.796	0
Q6AXS3	Dek	Protein DEK Rattus norvegicus	458.83	24.07	42892	9	32585097	31034161	30789173	32786721	30520965	27056777	28469721	22440769	27188097	28930697	33040897	35735009	23813589	28624363	35877537	0.850	0.996	0
P83887	Tubg1	Tubulin gamma-1 chain Mus musculus	151.76	15.3	51101	4	6514169.5	6763043	6577503.5	5894182	6413885	8198514.5	7527683.5	7393673.5	7970008	6736400	5851755	4413537	8415253	5852257	6528104.5	1.176	0.966	1
D3ZSI8	Pip5k1a	Phosphatidylinositol 4-phosphate 5-kinase type-1 alpha Rattus norvegicus	50.39	2.56	60605	1	1514254.38	1154859.75	1617216.8	1525664.8	1193156.6	1732635.12	1605144.88	1604768	1642605.25	1648347.62	1271062.9	1	1	1130865.8	1	1.175	0.343	2
Q5U2Q7	Etf1	Eukaryotic peptide chain release factor subunit 1 Rattus norvegicus	1018.21	59.5	49031	18	27964241	30206289	30738441	32459221	29775551	33210195	33145431	42132029	37763417	31370845	45261585	42434021	20960873	42088473	41907789	1.175	1.275	1

Q8R0F3	Sumf1	Formylglycine-generating enzyme Mus musculus	57.92	4.03	40659	1	1462065.12	1431035.25	1507207.6	1385565.3	1241412.9	1129173.12	1409105.12	1150329	1151436	1146305	1411782.4	1890755.25	974852.12	1366492.4	1415029.88	0.852	1.005	2
P13864	Dnmt1	DNA (cytosine-5)-methyltransferase 1 Mus musculus	1939.1	31.23	183189	36	67609681	73626449	69986497	76273857	71536905	62648125	54563201	62997933	64408745	61294701	69626697	69488113	37339437	71432337	69656569	0.852	0.884	0
Q8BT07	Cep55	Centrosomal protein of 55 kDa Mus musculus	89.24	4.55	53930	2	1178612.75	1379156.25	1257279.3	1245699	1383680	1079166.88	1228621	983761.5	1236857	963065.12	753007.81	783594.88	974676.69	1131225.6	915451.25	0.852	0.707	2
Q63009	Prmt1	Protein arginine N-methyltransferase 1 Rattus norvegicus	1101.34	53.54	40522	20	37834245	39818005	40252429	38501845	39680925	45637557	42509733	48035905	49772265	44141141	54049365	54804733	44566701	45896089	58593345	1.173	1.315	0
Q99P88	Nup155	Nuclear pore complex protein Nup155 Mus musculus	1193.77	24.51	155118	22	25587749	29560445	29689003	30685479	33392135	34542805	31591653	35508153	38264929	34804837	38215633	39140781	11925959	37696741	38347253	1.173	1.110	1
P99027	Rplp2	60S acidic ribosomal protein P2 Mus musculus	500.73	71.3	11651	6	13510011	11999392	13335215	13596311	13954079	12756606	11060681	8699868	10890224	13184777	13891916	12611658	7235351	8789521	13734484	0.852	0.847	2
Q8C854	Myef2	Myelin expression factor 2 Mus musculus	368.43	17.26	63295	8	21120377	17791161	18312379	16331693	19556063	17694937	16204051	14186823	15895164	15401562	12760795	16437542	16332485	14615070	14781650	0.853	0.805	1
P17136	Snrpb	Small nuclear ribonucleoprotein-associated protein B Rattus norvegicus	181.4	12.99	23656	3	21190045	18308725	19347935	19814535	20767107	16158576	17079797	17697519	15866114	17983287	14461354	14966905	5932452.5	17220115	14903236	0.853	0.679	0
Q99KK7	Dpp3	Dipeptidyl peptidase 3 Mus musculus	1139.97	36.99	82898	18	21997527	20821871	21486405	23025571	22197269	25605689	24413381	27578247	25384557	25408165	21080537	23268433	33662069	23095967	23677713	1.172	1.139	0
P20152	Vim	Vimentin Mus musculus	3269.56	86.48	53688	51	928965057	1.00E+09	1.02E+09	1.01E+09	1.017E+09	802387777	883055233	821630529	844405377	897386433	954869505	989655297	2837950977	9709064331	1068433025	0.854	1.371	0
P37913	Lig1	DNA ligase 1 Mus musculus	1179.01	34.83	102290	23	34958985	33828645	33326473	38845201	34401649	31495349	29913361	28121351	28495957	31678313	31787321	33308829	20127723	32258897	29714269	0.854	0.839	0
Q64516	Gk	Glycerol kinase Mus musculus	418.09	20.57	61227	9	10472299	10446263	10538634	11779226	8822566	13220942	12915665	12141877	10595798	12077246	9677389	10808860	11013148	10611367	7826779.5	1.171	0.959	1
P52293	Kpna2	Importin subunit alpha-1 Mus musculus	1192.77	48.77	57928	17	68461961	71802361	69580361	76302201	70247601	59916993	62068149	60116921	61201057	61201689	76015009	73705169	18988537	74750433	72636497	0.854	0.887	0
P21619	Lmnb2	Lamin-B2 Mus musculus	713.07	25.84	67318	15	37454081	38561233	39865665	43916625	40430401	34220977	35555229	32087323	33509639	35704661	26344601	29470087	26574555	35447889	33602161	0.854	0.756	0
P17047	Lamp2	Lysosome-associated membrane glycoprotein 2 Mus musculus	263.8	12.29	45681	5	42101313	43776045	45248933	40758621	44302993	49845077	49168841	51346673	50598317	51881713	51237817	57967521	126627561	32855853	63398581	1.170	1.536	0
P60229	Eif3e	Eukaryotic translation initiation factor 3 subunit E Mus musculus	1219.69	54.16	52221	20	51694377	48111665	50108373	51764857	53659337	58814337	57238101	62806437	64717225	54972761	50422381	52308777	41715209	59661757	57365517	1.169	1.024	0
Q99JR1	Sfxn1	Sideroflexin-1 Mus musculus	434.94	31.99	35649	6	10459569	8744841	9581729	9393027	9797901	7813336	8416453	6887460	8870125	9047162	7533056	6521257	10006083	9554795	9081263	0.855	0.890	2
Q80YR4	Znf598	E3 ubiquitin-protein ligase ZNF598 Mus musculus	36.77	1.54	99192	1	486265	417700.84	401014.66	481356.41	479126.47	542519.31	549814.06	506953.16	490540.16	557615.31	388243.72	654649.19	1173015.38	460588.25	556150.06	1.169	1.427	0
P11103	Parp1	Poly [ADP-ribose] polymerase 1 Mus musculus	1111.99	23	113100	17	50041761	52267697	48761257	49801461	51264705	44225189	43908293	41376657	44343857	41942341	46443277	50449217	29955509	46576989	51668361	0.856	0.893	0
Q9EPV8	Ubl5	Ubiquitin-like protein 5 Mus musculus	38.38	12.33	8547	1	4589328.5	4297777	4267350.5	4066469.3	3676315.8	3349462	3924957.5	3563921.25	3814345.25	3243180.5	3180600	4117350	2431255.75	3061963.8	3613043.5	0.856	0.785	2
D3YXK2	Safb	Scaffold attachment factor B1 Mus musculus	378.03	15.58	105104	8	16774778	15946461	17340857	18103355	17248713	14628786	14677137	15121524	15164456	13561551	14477182	17308475	18158913	14342280	17081975	0.856	0.953	0
B0K020	Cisd1	CDGSH iron-sulfur domain-containing protein 1 Rattus norvegicus	36.33	8.33	12097	1	1838605.62	1904821.12	1711438.1	1820414.4	1604960.5	1450286	1662257.75	1422853.5	1468024.5	1610480.25	1608505.9	1529878.5	1748477.88	1771937.8	1270172.75	0.857	0.893	2
E9Q634	Myo1e	Unconventional myosin-Ie Mus musculus	1357.31	32.25	126818	26	46575329	44830613	49203417	49058785	46610837	53582493	54405721	56241037	57052837	54100557	30492435	32475785	37696669	46868841	38471945	1.165	0.787	0
P48036	Anxa5	Annexin A5 Mus musculus	2513.52	81.19	35752	34	259345089	246509777	250909537	256931281	282555745	288636577	276541793	353132961	317030305	275323809	328228161	298032417	854678209	307594593	310136513	1.165	1.619	2
Q3UH66	Wnk2	Serine/threonine-protein kinase WNK2 Mus musculus	130.28	1.44	227527	3	2382813	2463332	2555109.3	2663515	2305731	2021490.62	2285678.75	1924875.12	2441843.25	1948494.62	2928975	2772333.5	5468885	1992656.9	3231553.5	0.859	1.325	2
Q8BHB4	Wdr3	WD repeat-containing protein 3 Mus musculus	417.79	10.62	105775	8	4902594.5	4824172	4438919	4623925	4406024.5	6437946	4955698	5152846	5733037	4732481.5	4099318.8	3360954	2815808.5	6603377.5	4224905.5	1.165	0.910	2
Q5BJP2	Cwc15	Spliceosome-associated protein CWC15 homolog Rattus norvegicus	173.56	16.16	26638	3	6442041.5	5969712.5	6860804.5	5916082.5	6118751	5693728	5522981	4788154	5132992.5	5751210.5	4054304.5	5873709	2773875.5	5237596	6404260	0.859	0.778	0
O35326	Srsf5	Serine/arginine-rich splicing factor 5 Mus musculus	351.71	25.28	30891	6	49522553	48214553	46899957	48654161	44326217	40564789	41416765	40309321	40938053	40960385	47314701	50265633	40755529	41880453	50122505	0.859	0.969	0
P20291	Alox5ap	Arachidonate 5-lipoxygenase-activating protein Rattus norvegicus	38.16	4.97	18070	1	9343323	8270320.5	8470019	9117271	7492192.5	8227506.5	7216692.5	7113123.5	7197719	6935487	6449587	6909982.5	2220469	8128025.5	6973945	0.859	0.719	1
Q60931	Vdac3	Voltage-dependent anion-selective channel protein 3 Mus musculus	600	38.87	30753	9	31886759	36945529	39440789	32600705	35215637	39350073	41078461	44251921	42202681	37995969	92401673	55912445	51117209	47006657	61994617	1.163	1.752	2
P21708	Mapk3	Mitogen-activated protein kinase 3 Rattus norvegicus	285.39	25.53	43081	6	8057406	6635301.5	7490356.5	6666585	7889493	8277148	8209100	7944207.5	9463782	8841363	7367617	5847172.5	17845959	8621140	7243083	1.163	1.277	1
Q8R491	Ehd3	EH domain-containing protein 3 Rattus norvegicus	724.66	27.29	60791	15	23762765	21870871	24222155	20173175	23050257	27432937	26876061	26800805	26035609	24290207	31426231	25331231	19235649	23990459	29256719	1.162	1.143	0
Q9D819	Ppa1	Inorganic pyrophosphatase Mus musculus	459.65	31.83	32667	8	12850285	12839434	12964718	12830881	13172410	13149019	14544705	15227989	13583174	18615563	19608809	22114785	14833815	16457105	21066745	1.162	1.455	1
Q9CQS8	Sec61b	Protein transport protein Sec61 subunit beta Mus musculus	122.98	26.04	9958	2	15208391	14241609	13595245	14517807	14409813	12440157	13289905	11487841	12146921	12583949	14226325	14921265	14885940	12631829	16324141	0.861	1.014	0
Q9JMH6	Txnrd1	Thioredoxin reductase 1, cytoplasmic Mus musculus	814.75	38.17	67084	15	39650489	42337889	41854849	44649733	41206881	47185337	48126453	51133509	49072817	47965677	51815061	51329997	40589749	42404297	47243297	1.161	1.113	0
Q6P5H2	Nes	Nestin Mus musculus	2639.19	34.39	207124	46	105938009	110451265	111195905	111379113	104500873	91852937	91030073	93525089	96468697	95299121	115720617	110326689	76858089	107993697	118939841	0.861	0.975	0
Q99MS7	Ehbp1l1	EH domain-binding protein 1-like protein 1 Mus musculus	330.96	5.19	184834	6	3346443	3316387.75	2841912.3	3097809.5	2875851	2810413.25	2894624.75	2643497.75	2198115.75	2791020.25	2186620	2615696	3163502.5	2309596.5	2685593	0.862	0.837	2
Q8CFE2	Hpf1	Histone PARylation factor 1 Mus musculus	195.1	15.32	39291	4	4917488	4916309	4185251.8	2764370.5	4682209	4933021	5264592	5014278.5	4750544	4948029	6516992	5227798	3493501	5834323.5	6864781	1.160	1.301	2
P36876	Ppp2r2a	Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform Rattus nor	271.45	13.2	51678	5	13415655	13665106	13534524	12050081	13533600	14917528	16588122	15289515	15972663	13990967	13039171	10705471	11493348	15157633	12500998	1.160	0.950	0
Q76MZ3	Ppp2r1a	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform Mus musc	2107.18	64.35	65323	33	95794177	102004833	101562809	91050825	99051649	113702649	113872369	114187553	113947745	111786841	93774825	88626969	123510001	103009249	89661193	1.159	1.019	0
Q9ERL7	Gmfg	Glia maturation factor gamma Mus musculus	275.54	42.96	16748	6	16090375	15336708	15321758	15470325	15924279	14749073	14125695	11080895	13065795	14475815	11111749	13743754	11245455	14084766	12841915	0.864	0.807	0
Q9ER72	Cars	Cysteine--tRNA ligase, cytoplasmic Mus musculus	955.15	23.83	94860	17	23043613	24734965	25251251	25965023	26856821	28950173	27558729	30013921	30098365	29028817	19244343	23174551	17708191	28889307	26733835	1.157	0.920	0
P19783	Cox4i1	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial Mus musculus	215.7	30.77	19530	4	24039115	21814681	24646629	22243409	23701577	20318841	22054091	17199519	19152709	22017093	21160651	18530717	20689673	20525397	20810097	0.865	0.874	2
Q8K2B3	Sdha	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial Mus musculus	994.47	38.86	72585	16	46914893	49694029	45635201	49795445	46167393	39236593	43558969	41407429	40602601	41370693	42997937	43845569	61805377	50719905	49971381	0.866	1.047	0
P08508	Fcgr3	Low affinity immunoglobulin gamma Fc region receptor III Mus musculus	190.29	16.09	30036	3	5068762	4812825	4602038	42591495	4146972.5	3647334.5	4068618.75	3832805.25	3932309	4336633	4127715.8	4269742	8758548	4729313	4968092.5	0.866	1.173	2
P61957	Sumo2	Small ubiquitin-related modifier 2 Mus musculus	77.77	12.63	10871	1	24713199	22923839	25225383	26822043	25894599	23458359	22028189	19749439	21912131	21624087	19332251	22388885	11516375	18882635	21655035	0.866	0.747	1
P22509	Fbl	rRNA 2'-O-methyltransferase fibrillarin Rattus norvegicus	758.15	51.68	34222	13	32326497	35760625	35449921	33563929	32614853	32398621	31136171	30701309	25972801	26871545	32576357	30005813	13281593	30891397	33333183	0.867	0.825	1
Q91WD5	Ndufs2	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial Mus musculus	481.97	19.65	52626	7	8165240	7057750	8002280	7737168	7840952.5	8670765	8639724	9611197	9803826	8044084	10726537	10630909	14719781	9024289	11146390	1.154	1.450	1
Q9WVA4	Tagln2	Transgelin-2 Mus musculus	1085.59	81.41	22395	17	288360481	261758209	259462113	262119185	260070769	236262993	252603473	221794513	214765841	229338369	279730721	288147329	419294689	223042257	294324097	0.867	1.130	0
Q921E6	Eed	Polycomb protein EED Mus musculus	113.96	7.71	50198	3	3340919	3268175.5	2796759.5	3045958.8	2778735.5	2648562.5	2770564.75	2441778.5	2409243	2949756.5	2592890	2648598.5	1189603	2584569	3021486	0.868	0.790	2
P29351	Ptpn6	Tyrosine-protein phosphatase non-receptor type 6 Mus musculus	2297.35	72.61	67559	38	205101233	205912081	194044801	208430801	200358817	230042017	233937665	240844929	237104897	226102465	226286977	203507169	132253737	214237937	220334529	1.152	0.983	0
B2RRE7	Otud4	OTU domain-containing protein 4 Mus musculus	52.92	0.72	123055	1	1017957.75	894576	904797	899087.31	1036983.4	784939.69	885754	888836.44	784945.56	781767.38	875665.44	930066.56	786979.75	640430.94	785136.62	0.868	0.845	0
Q9JLJ2	Aldh9a1	4-trimethylaminobutyraldehyde dehydrogenase Mus musculus	1173.24	58.7	53515	21	54517705	57875701	54761329	61941061	53753073	49026993	49038937	47107589	48245465	52127433	50100569	50229169	60401577	51202585	46004021	0.868	0.912	0
Q8VCT3	Rnpep	Aminopeptidase B Mus musculus	1563.82	54.46	72416	26	53547545	62112557	60610105	64326917	62264337	66450065	65433661	74376169	73849425	68498681	73413209	72962529	59079113	66292457	66412733	1.151	1.117	0
P21704	Dnase1	Deoxyribonuclease-1 Rattus norvegicus	35.75	2.46	32064	1	1756949.31	1576908.12	1801982.8	1899034.1	1749872.3	1565763.88	1526145.38	1527344.44	1417324.12	1600144.38	1479448.8	2684328.25	1290970.38	2127982.1	3061681	0.869	1.211	1
Q6P6G7	Rsl24d1	Probable ribosome biogenesis protein RLP24 Rattus norvegicus =2	72.87	11.66	19653	2	3470414	3069243.25	3227873.5	3602698.8	3142429.5	2858084.75	2778233	2895329.75	2699394	3148024	3580872.5	3810991.75	1008575.69	2892262	3613503	0.871	0.903	2
Q9D8V0	Hm13	Minor histocompatibility antigen H13 Mus musculus	278.34	16.4	41748	6	9274387	10190675	10502391	11006733	10612481	11810053	11167028	11809506	12104049	12345136	8682543	8424952	19736705	10857475	9114081	1.148	1.101	0
P54823	Ddx6	Probable ATP-dependent RNA helicase DDX6 Mus musculus	907.65	44.1	54192	13	28239595	26000697	25939155	27287933	27632721	25007261	21002189	22567609	22706287	26412959	21672937	22008423	17390623	23792259	21780083	0.871	0.789	2
Q80X90	Flnb	Filamin-B Mus musculus	556.33	5.88	277825	11	6084865.5	8432556	8189332.5	7752121.5	8221593	8896399	8485836	9476475	8857121	8660538	6113804	5087245.5	13778731	6296721	4857276.5	1.147	0.934	0
Q8BHL8	Psmf1	Proteasome inhibitor PI31 subunit Mus musculus	73.24	4.43	29664	1	2383368.5	2055236.38	1839306.9	2016626.5	1932179.1	1656895.75	1792069.5	1746781	1948407.88	1774801.12	1379710	1544363.38	1826048.25	1326455.3	1180653.25	0.872	0.710	2
O88532	Zfr	Zinc finger RNA-binding protein Mus musculus	109.18	2.79	116859	2	1656722.38	1366326.75	1627550.4	1387894.8	1543443.8	1209702.88	1258296.88	1470901.25	1333689.12	1341210.38	1532234	1530676	1035721.25	1425189.5	1602126.62	0.872	0.940	2
P08113	Hsp90b1	Endoplasmin Mus musculus	3099.08	61.97	92476	46	450627393	468015585	508857185	500457505	510909793	557341249	522839457	559987649	598127041	554554945	345437313	345974241	484462561	572316545	323854209	1.145	0.850	0
P62892	Rpl39	60S ribosomal protein L39 Mus musculus	35.58	19.61	6407	1	12682423	10763003	11983205	12202380	11661437	10161274	10698831	9171548	10703549	11042799	12672999	12739046	3103679.75	11098744	15262200	0.873	0.926	1
P05712	Rab2a	Ras-related protein Rab-2A Rattus norvegicus	527.07	46.7	23536	9	9196398	9633327	10858016	10526870	11026037	11529979	11246736	12621570	12206435	11066191	13438240	11631617	11488010	13152477	13068929	1.145	1.225	0
Q8BML9	Qars	Glutamine--tRNA ligase Mus musculus	641.94	21.03	87677	14	17020241	17708197	20177433	21457853	17893555	21500385	21914393	21206051	20888837	22388875	12700981	14522946	12555127	18981677	14780162	1.145	0.780	2
P62082	Rps7	40S ribosomal protein S7 Mus musculus	430.09	40.72	22127	9	10209495	9435515	11758112	10162205	10556314	12843764	11012769	11591492	12160156	12041329	13908193	15778337	26421773	10272717	6175269	1.144	0.615	2
P97372	Psme2	Proteasome activator complex subunit 2 Mus musculus	1003.36	56.07	27057	13	29119909	34195853	32545065	30935235	30488923	35373137	41633373	36127489	33733877	32956989	42156049	40768509	37909189	33191427	39255489	1.143	1.229	2
P16045	Lgals1	Galectin-1 Mus musculus	1008.62	92.59	14866	14	215947025	206396929	202000465	211484145	207619313	186872945	182915793	176926673	179305121	187043457	245524801	231792753	428440513	185362305	235710401	0.875	1.272	0
P97429	Anxa4	Annexin A4 Mus musculus	1416.22	68.97	35916	21	43191249	44531641	44411033	44938337	44767637	50722569	51491837	51091937	52105037	48051577	53419765	52077421	258926609	53172505	52893665	1.143	2.121	0
Q9ERE7	Mesd	LRP chaperone MESD Mus musculus	345.63	37.5	25207	6	11548601	8681376	8345981.5	8424652	9242371	8242182.5	7837124	7933400.5	8216266	8284307	9451383	8692064	5240234.5	9170001	9499591	0.876	0.909	0
Q9LZ53	Grhpr	Glyoxylate reductase/hydroxypyruvate reductase Mus musculus	301.1	23.17	35329	6	6851138	6429148	6377855	6042247	6289576	5894794	5771353	5428260	5448283.5	5491437.5	6561753	6130530.5	5143228.5	4851859.5	5875950	0.876	0.893	0
P41105	Rpl28	60S ribosomal protein L28 Mus musculus	337.58	32.85	15733	6	77165337	76556241	73268937	77801457	76227369	65987365	70336905	63826761	63839545	69939937	65502657	66210781	9225425	64737881	72302977	0.876	0.730	0
Q9R190	Mta2	Metastasis-associated protein MTA2 Mus musculus	489.42	19.61	75030	11	24685321	23106333	23752461	27523845	24191131	21363313	21284493	20650985	22128949	22623969	21916285	25836117	14015625	21926899	24523043	0.877	0.878	0
Q99KC8	Vwa5a	von Willebrand factor A domain-containing protein 5A Mus musculus	1849.75	49.81	87143	29	57644817	55493861	58609589	60577785	58929021	69964689	65353273	64781765	65378249	66633373	47146133	49743945	142638337	53639173	52045165	1.140	1.185	0
Q9DCX2	Atp5pd	ATP synthase subunit d, mitochondrial Mus musculus	502.6	63.35	18749	9	15687250	14558464	15195310	14518708	14231038	12721075	13081499	13287277	11752519	14279761	18996873	16745235	23859151	14586882	18280245	0.878	1.246	1
P62804	Hist1h4b	Histone H4 Rattus norvegicus	1131.95	58.25	11367	16	2840291329	2.443E+09	2.442E+09	2.357E+09	2.317E+09	2137790337	2204711425	2253109505	2187324417	2105441921	3.767E+09	3101936641	2043826433	3.001E+09	3841670657	0.878	1.271	0
P62331	Arf6	ADP-ribosylation factor 6 Mus musculus	278.71	48	20082	5	5273066	5813730	6037985.5	5794649	6325702.5	6057836	6451945.5	7134971	7327596	6321310	6821291	6647419.5	8417346	8499616	7294460.5	1.138	1.288	2
P48678	Lmna	Prelamin-A/C Mus musculus	2521.97	56.54	74238	42	261818913	254350945	247929601	245855537	240698721	208723297	226068257	220005345	215678017	228584097	260417473	244740497	291143425	234392225	286697153	0.879	1.053	0
P19973	Lsp1	Lymphocyte-specific protein 1 Mus musculus	677.48	42.12	36714	9	67350001	69693721	65797545	65951337	62284517	56565849	58766381	55233413	58024297	62546605	37825173	43591709	92370585	53617105	41018749	0.879	0.811	1
Q63068	Phax	Phosphorylated adapter RNA export protein Rattus norvegicus	131.34	5.71	43166	2	4236244.5	4014757.5	4150638.5	4578062	3809218.8	3655390	3976941.25	3383730	3418158	3860728	3831211.3	2262919	2198357	4329895.5	4447442.5	0.880	0.821	2
Q99KQ4	Nampt	Nicotinamide phosphoribosyltransferase Mus musculus	731.17	32.38	55447	13	22758029	23878673	22675635	20869177	23590467	26140147	24447093	27488145	25428315	25766915	23702853	25070473	25201251	23670807	24321095	1.136	1.072	0
P57746	Atp6v1d	V-type proton ATPase subunit D Mus musculus	183.41	17.41	28369	3	2861157	3344055.5	3037840.5	2918600.5	3423180.5	3533023	3485375	3715232.75	3242379	3729142.5	3634220.5	3120450.5	3714760	4497541.5	3003604.5	1.136	1.153	2
P14733	Lmnb1	Lamin-B1 Mus musculus	2033.55	62.24	66786	34	137809393	133994257	144062401	156600785	145100353	127280713	122172473	121042945	129612721	131542017	105898921	101556473	94186337	143746097	140111761	0.880	0.816	0
Q9CZN7	Shmt2	Serine hydroxymethyltransferase, mitochondrial Mus musculus	1282.55	57.54	55759	24	193658913	168956993	193454337	202963409	188087953	187536657	158698241	164284209	153283777	170587313	153673489	174037969	108033273	170992321	189698081	0.881	0.841	2
Q4QQT4	Ppp2r1b	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform Rattus norv	933.86	29.78	66006	13	35585145	37584477	39000433	38698629	39541677	43230369	42834661	42700025	42378429	44963297	29174835	29239945	38937829	39283573	29735869	1.135	0.874	0
P56959	Fus	RNA-binding protein FUS Mus musculus	626.84	23.55	52673	10	53507461	56028065	51238085	48219717	48778225	44788853	45692629	44346669	45412897	47020785	47709169	52103697	35821753	51997513	47752277	0.882	0.913	0
D3Z6Q9	Bin2	Bridging integrator 2 Mus musculus	608.75	23.11	52554	9	14493249	12874245	13000589	14439483	14568990	12685369	11450431	12025805	13550137	11524613	11379057	14624042	10839725	12384646	13500131	0.883	0.904	2
Q04447	Ckb	Creatine kinase B-type Mus musculus	1693.04	67.72	42713	23	294385345	329697281	323453953	298728897	304080129	262231329	286197569	257944641	281839905	281822305	273278593	273662913	236314305	265243361	268606753	0.884	0.850	0
Q9CR68	Uqcrfs1	Cytochrome b-c1 complex subunit Rieske, mitochondrial Mus musculus	358.37	41.97	29368	7	20327547	19782969	19218261	19603753	18791369	18335069	17649241	16654030	17482147	21394367	20266301	12410446	18498177	19846581		0.884	0.946	0
E9Q7G0	Numa1	Nuclear mitotic apparatus protein 1 Mus musculus	2416.61	29.89	235630	47	61106337	63585761	61427481	71664121	67568001	63078241	57241441	50961717	57439517	58839361	47433625	50888361	36587961	52773869	55295121	0.884	0.747	2
Q9QYJ0	Dnaja2	DnaJ homolog subfamily A member 2 Mus musculus	666.3	48.79	45746	12	30358665	36742649	33361429	33266441	35304657	35594269	38550025	40311353	37719257	39056165	38835941	38424925	13761537	40901857	39366245	1.131	1.013	1

Q3UA16	Spc25	Kinetochore protein Spc25 Mus musculus	43.59	4.87	26457	1	914676.12	947104.81	836628.19	933052.31	933695.31	734725.56	778777.12	887161.56	777731.56	856914.31	1285962.1	1031669.81	1128905.233	1107188.4	1090800.62	0.884	1.236	2
P60335	Pcbp1	Poly(rC)-binding protein 1 Mus musculus	1103.32	72.19	37498	16	205544481	210304865	200653617	221123281	202668721	188533873	183230945	170096673	179667217	198137569	172773345	177661809	149205969	165865505	183660273	0.884	0.816	0
P25206	Mcm3	DNA replication licensing factor MCM3 Mus musculus	2118.5	59.11	91546	35	148384993	150093281	156594737	176913633	158689265	141097361	142941617	130976929	139864705	144351601	121328857	127969057	61592533	137443601	132602865	0.884	0.735	0
Q8VE97	Srsf4	Serine/arginine-rich splicing factor 4 Mus musculus	302.3	13.29	55979	6	38335181	36397025	35576497	39573521	36822653	33430377	32129867	32575065	34197273	32831565	37306453	38667909	31940809	34453501	42753697	0.885	0.992	0
Q8C2Q3	Rbm14	RNA-binding protein 14 Mus musculus	435.13	22.57	69449	10	28007489	29203869	29041261	30293413	27195347	24190271	25444549	24653343	25110681	27826827	21884683	22041987	5495918.5	23286745	22598987	0.885	0.663	1
Q9ESL4	Map3k20	Mitogen-activated protein kinase kinase kinase 20 Mus musculus	282.33	7.48	91720	5	5389492	5840501	5626656	5583885	5725869.5	6412524	6083798	6521224	6144467.5	6637019	7294507	4519022	10569303	6892998.5	6320720	1.129	1.264	0
Q63829	Commd3	COMM domain-containing protein 3 Mus musculus	218.1	22.05	22037	3	3202606	3372095.5	2959646.8	2874581.3	3163076.5	2959637	2721258.5	2922737.5	2571894.5	2625290.5	2827600.8	3276701.5	2296976.75	2729062.8	2908000.25	0.886	0.902	2
Q8BY16	Lpcat2	Lysophosphatidylcholine acyltransferase 2 Mus musculus	480.64	21.14	60254	10	7728769.5	8385071	8106870.5	9314980	8599902	8641493	9602187	9785596	10202418	9311134	4677411	5947264	6760594	7665816	4879363	1.128	0.710	2
Q32PX7	Fubp1	Far upstream element-binding protein 1 Rattus norvegicus	758.75	29.26	67197	16	50221901	50560057	48126629	52417929	49163817	44918437	43287061	43136213	44649729	46030129	32900179	43495553	23209853	40693057	37703813	0.886	0.711	0
P41498	Acp1	Low molecular weight phosphotyrosine protein phosphatase Rattus norvegicus	359.06	51.27	18152	5	15986655	15847385	16099865	16960163	16488695	14795809	14489837	13418659	13514921	15919695	12561533	14821890	20555873	13914578	14320520	0.886	0.936	1
P67778	Phb	Prohibitin Mus musculus	1423.85	81.62	29820	24	141681537	132526961	134847841	138310849	137818817	125869273	125723633	110304673	121005737	125511745	160698497	175940753	204281521	142276001	175001457	0.888	1.253	0
Q64012	Raly	RNA-binding protein Raly Mus musculus	537.27	32.37	33188	11	44148641	44011817	45549101	48087741	44386301	41879089	40661557	37450069	38701293	42153653	38045349	42469209	13378720	40415049	48894989	0.888	0.810	0
Q9CX56	Psmd8	26S proteasome non-ATPase regulatory subunit 8 Mus musculus	305.13	24.93	39930	7	13466140	13717599	13853396	15998395	13933630	16660109	16004881	15161919	15746605	16340970	8024575	9186899	9091934	13519194	7743819.5	1.126	0.670	2
B2RYG6	Otub1	Ubiquitin thioesterase OTUB1 Rattus norvegicus	504.51	49.82	31270	9	13081498	14794629	16101015	15174665	16469446	16379866	16516898	18687279	16943559	16596920	21073437	21663263	18739403	18227967	20733085	1.126	1.328	1
Q64737	Gart	Trifunctional purine biosynthetic protein adenosine-3 Mus musculus	1922.33	47.03	107503	31	54389649	55573877	54804733	51476745	49857965	45713925	48768701	45310933	46118861	50581929	54329601	48334165	23129341	50279193	50107345	0.889	0.850	1
P70583	Dut	Deoxyuridine 5'-triphosphate nucleotidohydrolase Rattus norvegicus	229.27	21.46	22003	4	18045583	18163319	19745537	20888709	21174101	15695153	17970633	17353735	17733831	18453721	14225127	14401727	6020181	20192317	14461696	0.890	0.707	2
Q3V0K9	Pls1	Plastin-1 Mus musculus	239.73	7.46	70408	4	96140393	112494065	119300409	118860529	125014753	120654713	127440993	135120705	131215225	127365825	88493857	89991081	164909697	119270401	91797945	1.122	0.970	1
Q9ES00	Ube4b	Ubiquitin conjugation factor E4 B Mus musculus	102.79	4.01	133318	3	1112838.62	1308316	1320335	1315892.8	1375098	1482399.25	1323030.5	1464401.75	1615840.75	1333944.5	509902.91	1431159.75	1556016.75	694331.62	1567293.88	1.122	0.895	2
P83953	Kpna1	Importin subunit alpha-5 Rattus norvegicus	477.59	22.68	60137	7	8080864.5	8571093	7538912	7991690	7091991.5	7128079.5	7486337	7091991.5	7013739	6277465	7874034.5	8443425	4960329	7552148	7782086	0.891	0.932	2.5
P63166	Sumo1	Small ubiquitin-related modifier 1 Mus musculus	33.75	6.93	11557	1	5714271.5	4974199.5	5329814	6158780	5080602	4924852.5	4896712	4670495.5	4859607.5	4938118.5	5047000	5276370.5	2875326.5	4542468.5	5598912.5	0.891	0.856	0
P18395	Csde1	Cold shock domain-containing protein E1 Rattus norvegicus	860.82	25.56	88895	18	38195345	38204745	42095985	43187377	43385197	43341197	44789713	47729205	47285505	46931549	38197617	43387857	24799605	41110005	40614217	1.122	0.917	1
Q3UW53	Fam129a	Protein Niban Mus musculus	1269.04	33.26	102649	23	35571893	38916581	36566005	38001289	36281497	44096665	42912009	40919217	38940829	41009249	35784973	37479313	35666561	30144207	32694933	1.122	0.927	0
Q60605	Myl6	Myosin light polypeptide 6 Mus musculus	692.56	66.23	16930	10	138995073	131950561	127928649	123857729	120601001	115638057	118540609	116144433	106441345	117050041	157260833	149584369	237973713	116476521	156035521	0.892	1.270	0
Q91VE6	Nifk	MKI67 FHA domain-interacting nucleolar phosphoprotein Mus musculus	390.61	28.71	36265	7	14595909	13940332	15253609	15648699	14635659	13940555	14117155	11926193	12276067	13864475	14049551	15638073	4800845.5	13250379	16340319	0.893	0.865	2
P62897	Cycs	Cytochrome c, somatic Mus musculus	296.2	55.24	11605	6	17691005	17748017	17739073	17428779	17138343	15813476	16204319	15485355	14355887	16509360	20837757	21889133	22760973	18985413	22766911	0.893	1.222	0
Q641Z6	Ehd1	EH domain-containing protein 1 Rattus norvegicus	1135.41	48.69	60603	21	43543953	42639789	42956753	37172329	42724777	50226605	47076753	46405981	45650721	44594169	53894909	46636773	32591403	42914493	53856137	1.119	1.100	0
Q6ZQ58	Larp1	La-related protein 1 Mus musculus	512.21	12.5	121125	10	13681734	12754726	13669783	13611927	12759719	13971868	15215313	14994997	16073820	14124116	7256154	15351497	3819122.25	13865672	13596231	1.119	0.811	0
Q9QUJ7	Acsl4	Long-chain-fatty-acid--CoA ligase 4 Mus musculus	1179.65	41.63	79077	23	75043065	67817969	67214105	67335849	70497561	81326449	79821937	78908417	71891073	77042305	66524157	70761505	82353921	64876609	74754649	1.118	1.033	1
P97807	Fh	Fumarate hydratase, mitochondrial Mus musculus	1200.89	50.3	54357	19	116768369	119543665	111767505	117415345	120588321	101603297	109169177	102170745	110249841	101326617	147904945	148125921	77823353	125664209	152938977	0.895	1.113	0
Q9WVA3	Bub3	Mitotic checkpoint protein BUB3 Mus musculus	438.52	28.83	36955	7	27243553	25817163	25340407	31618037	27150825	24400295	24487163	24884043	23917471	25079087	29800833	30798367	14914423	23809881	29471329	0.895	0.939	0
Q5SW19	Cluh	Clustered mitochondria protein homolog Mus musculus	502.78	11.03	148068	11	13964473	13735707	12725762	13283487	13452659	14729777	14079718	16128242	15951524	14144781	16311548	14186705	8742198	15794188	17969049	1.117	1.087	0
P54071	Idh2	Isocitrate dehydrogenase [NADP], mitochondrial Mus musculus	1170.59	48.67	50906	21	54469433	52915029	53017165	57319265	53975829	48189953	49171981	47507281	49173709	49218021	59641377	59866081	77959969	56809181	64091273	0.895	1.172	0
P17220	Psma2	Proteasome subunit alpha type-2 Rattus norvegicus	631.85	46.15	25927	9	28153429	27188775	29766605	31931007	30455243	34932925	32587001	31850493	31605887	33756565	17708641	15281848	6692360.5	27185495	15967676	1.117	0.562	2
Q3U0V1	Khsrp	Far upstream element-binding protein 2 Mus musculus	1332.31	48.93	76775	22	78666193	71844977	77163577	86584889	73477241	71899353	71463449	64215557	68858865	70765377	49134229	62017517	68282913	57357833	58068169	0.895	0.760	1
Q8BHZ0	Fam49a	Protein FAM49A Mus musculus	265.66	15.79	37343	4	16507034	15383995	15532177	14845606	14837938	13714773	14954631	13096260	14064129	13259942	13517313	16062905	22777851	11336377	14282189	0.896	1.011	2
Q5XIW8	Sart1	U4/U6.U5 tri-snRNP-associated protein 1 Rattus norvegicus	126.17	4.09	91011	3	3872153.5	3778738.5	4128424.5	3829582	4046929.5	3667012.5	3574907.25	3159433.75	3589845	3625681	3370313	3736095.5	1478611.62	3248520	3887159.5	0.896	0.800	0
Q9WV55	Vapa	Vesicle-associated membrane protein-associated protein A Mus musculus	329.96	31.73	27855	7	24405903	25789621	24218295	24738789	24657143	22115021	22556783	21308589	21382741	23613673	19895375	19163491	13081911	22503275	20694531	0.896	0.770	0
O08756	Hsd17b10	3-hydroxyacyl-CoA dehydrogenase type-2 Mus musculus	712.23	55.94	27419	9	19315417	21021621	19691767	18987427	19249159	17064237	17627865	17246081	17828931	18361623	19727699	19019021	31022261	20714011	20466187	0.897	1.129	0
Q8CAQ8	Immt	MICOS complex subunit Mic60 Mus musculus	1666.42	45.18	83900	28	58739385	57012017	66618449	60233129	63572705	55755497	55166881	54364549	57312969	52012785	81415089	77706497	61053489	68468713	85350241	0.897	1.222	1
Q9D051	Pdhb	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial Mus musculus	459.56	37.88	38937	10	14847005	14414048	14055258	13810296	14656058	14377673	13704886	9931636	13066093	13320699	15108001	15381235	14169181	13538851	14596443	0.897	1.014	2
P10605	Ctsb	Cathepsin B Mus musculus	1317.47	67.26	37280	20	102119041	109491329	106971273	102197809	110934217	116646465	117457121	123829369	115839665	118813705	168749841	159738865	300705633	120486033	164666609	1.114	1.720	0
O35381	Anp32a	Acidic leucine-rich nuclear phosphoprotein 32 family member A Mus musculus	648.42	44.53	28538	11	77433265	88002561	85716801	83204569	80946929	71369241	70809937	75227609	75730185	79531833	73515689	68678209	42835097	74369377	70132105	0.897	0.793	1
Q9D3D9	Atp5f1d	ATP synthase subunit delta, mitochondrial Mus musculus	205.66	49.4	17600	4	17033009	15966609	16889333	16118922	15765769	14828317	15558017	14204046	14233199	14610455	22504389	17400649	29022737	17296699	17865493	0.898	1.273	0
Q6PDV7	Rpl10	60S ribosomal protein L10 Rattus norvegicus	504.9	38.79	24604	8	95567689	107992873	97563833	102024145	91689753	90341505	90126849	88342001	85232065	90338449	109069345	94574969	21260821	96335761	109894569	0.898	0.871	0
Q8Z2I9	Sucla2	Succinate--CoA ligase [ADP-forming] subunit beta, mitochondrial Mus musculus	456.06	29.37	50114	9	11074930	12482792	11827995	11857729	11849858	9672031	11459134	10478886	11372520	10112400	10299851	9680799	10015425	10336765	10948637	0.898	0.868	2
Q9DCW4	Etfb	Electron transfer flavoprotein subunit beta Mus musculus	705.48	51.76	27623	13	40275913	39186205	34094005	36218561	38194133	34020457	35316085	30484881	33759445	35369733	41625121	39264417	62369593	37055377	43020409	0.899	1.188	2
Q498U4	Samp	SAP domain-containing ribonucleoprotein Rattus norvegicus	306.32	27.62	23605	5	20935317	19227849	21367629	19910313	18835939	18308757	18153371	17806165	17526963	18357993	11786638	12555264	4011083.75	14882571	12085937	0.899	0.552	0
Q99L45	Eif2s2	Eukaryotic translation initiation factor 2 subunit 2 Mus musculus	736.98	45.92	38092	14	38036001	38528233	37190245	42636937	43463729	45143141	46434125	43279105	42836513	44530093	23028931	33432449	8969419	41027093	29645105	1.112	0.681	2
P58774	Tpm2	Tropomyosin beta chain Mus musculus	253.82	12.68	32837	5	140082609	132824553	130450049	130014441	117793809	115018073	117355633	117846057	117117161	118301185	123114129	134975217	172692145	104600969	127683097	0.899	1.018	2
P62311	Lsm3	U6 snRNA-associated Sm-like protein LSm3 Mus musculus	139.07	32.35	11845	2	9739046	8925117	8457398	9087968	8783563	8346877	8364884	6841885	8331161	8581203	2945439.5	3030996	6285294	7825097.5	2763719.75	0.899	0.508	1
P32233	Drg1	Developmentally-regulated GTP-binding protein 1 Mus musculus	409.81	28.34	40512	8	17418005	16791915	16699896	18780603	18577115	16512762	15913925	15925827	14308970	16762797	13613091	12659741	5776059	15463545	12700729	0.900	0.682	1
P62959	Hint1	Histidine triad nucleotide-binding protein 1 Rattus norvegicus	163.67	35.71	13777	3	50130629	47594381	44986813	45535025	42700037	44006929	44009077	39251573	39043013	41562133	36676793	38248205	42022821	35834629	36568041	0.900	0.820	2
Q8CIN4	Pak2	Serine/threonine-protein kinase PAK 2 Mus musculus	756.6	32.82	57930	13	21943261	19769201	19143881	20493023	19809781	18622033	19421571	18236323	17438621	17334455	16654855	19507735	13519482	16427896	20795597	0.900	0.859	1
O35643	Ap1b1	AP-1 complex subunit beta-1 Mus musculus	2073.93	49.63	103935	34	60730733	62940541	65187945	66316037	67528001	70937089	70741073	73778281	70716681	72331065	69369153	67658953	53519509	68033233	68040961	1.111	1.012	0
P62869	Elob	Elongin-B Mus musculus	420.08	59.32	13170	8	31420745	35246601	32804633	33969505	30570415	29036477	29854841	28887009	28902987	30953697	27240803	27610215	38284077	27269169	23503839	0.900	0.877	1
P62889	Rpl30	60S ribosomal protein L30 Mus musculus	490.07	59.13	12784	7	101964697	101712201	95011705	102385833	103390985	88928121	90604105	90576465	85228265	99217505	114303129	109133697	35280033	93823233	128891841	0.901	0.954	1
P49718	Mcm5	DNA replication licensing factor MCM5 Mus musculus	1617.39	52.8	82343	30	117993449	127959809	122158417	137507361	132781177	110902289	116540393	109803849	119524793	118817273	115401361	120205481	43567621	117461209	117357393	0.902	0.805	2
P61804	Dad1	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1 Mus musculus	166.75	28.32	12497	3	9454209	9064594	8912297	8904071	8784345	9826473	10390297	10197698	9257647	10344225	9934495	11184248	15650593	8907049	10857365	1.109	1.253	1
P45377	Akr1b8	Aldose reductase-related protein 2 Mus musculus	810.43	49.05	36121	13	32554521	30487245	30975809	31676593	30812857	34193653	33874817	34635389	35769633	34976533	34163817	32064295	59108869	31908403	32728411	1.108	1.214	0
O35522	Psmb9	Proteasome subunit beta type-9 Mus musculus bactrianus	260.75	34.25	23427	5	18683649	16744979	19771437	18680877	19336347	21829659	20295105	18739681	20238341	22177287	17286829	13922801	18055347	16053476	18766557	1.108	0.902	2
P21107	Tpm3	Tropomyosin alpha-3 chain Mus musculus	643.1	32.63	32994	12	212138929	197988081	189695137	190862129	175168833	170823553	178904929	174107601	172602897	175609153	194465329	212159009	247043905	154714049	201132977	0.903	1.045	2
P08249	Mdh2	Malate dehydrogenase, mitochondrial Mus musculus	1155.56	63.02	35611	18	225888785	236027905	232037793	257052993	234572161	231648513	231805937	215935825	187026481	204159345	185363713	194383233	343575105	211145185	194515569	0.903	0.952	2
P15589	Sts	Steryl-sulfatase Rattus norvegicus	37.5	1.21	62679	1	27782235	24906619	23827139	26360157	22895101	21730641	23701599	22616023	23465075	22100739	23148845	27644833	18009697	22282525	24285281	0.903	0.917	2
P62274	Rps29	40S ribosomal protein S29 Mus musculus	92.43	32.14	6677	2	5883660.5	6019608.5	5830298	5782382.5	6036725	5179529.5	5766426.5	5145986.5	5607482	5006816.5	5988974	6329265.5	6193593.375	5245745.5	7210388.5	0.904	1.048	0
Q8JZX4	Rbm17	Splicing factor 45 Mus musculus	142.07	8.15	45304	3	5728822	5660971	4981660.5	5081576.5	5018326.5	4996132.5	4588115	4764286.5	4927457.5	4650382.5	4394441	4831321	1745097.88	4617909	5206418	0.904	0.786	1
O88543	Cops3	COP9 signalosome complex subunit 3 Mus musculus	504.81	34.28	47832	10	16050018	14841984	15282354	14154287	15589814	14234827	13849876	13142196	14200713	13192883	13897940	16068713	12035309	13361958	14328905	0.904	0.918	2
P26638	Sars	Serine--tRNA ligase, cytoplasmic Mus musculus	1343.12	51.56	58389	22	92612705	88619601	88891985	80442649	81531593	101211729	91210921	94972545	96302257	94204065	82552665	82014249	93173969	87614121	75418409	1.106	0.974	1
Q8R3C0	Mcmbp	Mini-chromosome maintenance complex-binding protein Mus musculus	462.89	16.98	72891	8	12657716	13586771	13185746	14267186	13761060	12652180	12595622	10741612	12957361	12048747	9323815	12286563	5100645	10611901	11298873	0.904	0.721	1
P84096	Rhog	Rho-related GTP-binding protein RhoG Mus musculus	660.33	53.93	21309	9	14849717	14168903	13496735	14912206	14002851	16087380	14505100	16326470	16186359	15879964	13074925	15668765	17418561	13852049	13966113	1.106	1.036	2
P62281	Rps11	40S ribosomal protein S11 Mus musculus	365.91	37.34	18431	8	155488145	151940993	151325169	168194641	158668961	149009937	145445073	131547721	138598545	145940097	159116801	159512129	42199561	131857857	173452225	0.904	0.848	0
Q8K2Z4	Ncapd2	Condensin complex subunit 1 Mus musculus	831.87	17.17	155665	17	16319897	15508959	15836649	12912694	16721076	18332857	16878013	17071425	17181499	15967565	17861077	18702815	16326019	17239905	16461536	1.105	1.120	2
Q61990	Pcbp2	Poly(rC)-binding protein 2 Mus musculus	925.26	72.65	38222	16	143761985	145546017	132859321	156059537	145573617	129578833	132775449	124314385	130329705	138303521	141008577	144911969	87566497	124304473	141998001	0.905	0.884	1
Q9CQN1	Trap1	Heat shock protein 75 kDa, mitochondrial Mus musculus	993.01	31.16	80209	16	35268941	33534353	35992089	37000449	34179521	32912445	31808803	32357005	29179231	33064213	26038305	29317381	21120981	35139745	23937487	0.905	0.770	0
Q9D0M1	Prpsap1	Phosphoribosyl pyrophosphate synthase-associated protein 1 Mus musculus	446.08	27.25	39432	8	10057375	9986148	9502327	9916703	9076654	8904124	8690638	8761798	7945776	9654990	8284815	7927963	6271268.5	8182136	8576750	0.906	0.808	2
Q9D6R2	Idh3a	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial Mus musculus	714.15	36.61	39639	12	114823921	121643481	122116153	123716665	111663777	109397585	109263505	105982769	101420977	111844705	119000153	110046553	97508081	117594905	119248033	0.906	0.949	1
Q8BH43	Wasf2	Wiskott-Aldrich syndrome protein family member 2 Mus musculus	520.27	21.33	54074	9	9072011	8973889	8858682	8844257	8724905	8103019.5	8517016	6829445	8223433	8614877	8658277	8755948	11933871	7603173.5	9542483	0.906	1.045	0
Q6R5N8	Tlr13	Toll-like receptor 13 Mus musculus	647.17	13.62	114443	9	5584229	5664754.5	5690097.5	5151851	6191868	6379876	5754343	6812244.5	6496263	5776888	7725706.5	7047774.5	6847546	7903951	6838281	1.104	1.286	2
Q99P31	Hspbp1	Hsp70-binding protein 1 Mus musculus	572.21	45.66	39167	10	25621935	24718227	23758325	24843579	23011089	21040791	22176671	21701507	22590533	23039363	25779897	24229249	14475523	22248093	26581949	0.906	0.929	1
Q922F4	Tubb6	Tubulin beta-6 chain Mus musculus	1448.46	65.32	50090	23	572067649	565991489	565024193	596042241	562569089	546329793	515476577	487395361	513637153	531951169	509030401	522169889	527560609	465725921	509017121	0.907	0.885	0
Q63228	Gmfb	Glia maturation factor beta Rattus norvegicus	78.36	14.08	16736	2	10096823	9616415	9199027	10249955	10441489	9293844	9160173	8390355	8904860	9230451	8579272	9143664	6955014	9406296	8959300	0.907	0.868	2
P40124	Cap1	Adenylyl cyclase-associated protein 1 Mus musculus	2231.67	70.25	51565	35	285562689	316396033	268466241	274449761	265244753	261633057	253062721	262661665	247014273	254506433	310954721	318482689	359157729	251579137	284941121	0.907	1.082	0
O70435	Psma3	Proteasome subunit alpha type-3 Mus musculus	525.17	34.51	28405	8	30838487	30993261	27506753	31657413	30342411	33511239	32533541	35881537	33770113	31108349	40752609	40464529	38766741	35420105	38737021	1.102	1.283	1
Q9D1A2	Cndp2	Cytosolic non-specific dipeptidase Mus musculus	1509.08	60.84	52767	24	52171117	54813149	56247165	50986937	46913245	56784845	56081737	57666485	58748969	58434021	46591101	46563953	43098065	47898009	50885661	1.102	0.900	1
P62944	Ap2b1	AP-2 complex subunit beta Rattus norvegicus	1888.98	48.56	104553	35	62694825	64916037	67749321	66801633	65546021	71935209	71771921	75196297	69676865	72403417	76263497	70120521	68203113	69949121	72042585	1.102	1.088	0
Q9CRB2	Nhp2	H/ACA ribonucleoprotein complex subunit 2 Mus musculus	136.73	16.99	17247	2	10802827	10999362	10613409	11398001	11100387	10311323	10164211	9158927	10390663	9849845	6843274	7791361	6294204	10237694	7118746	0.908	0.697	0
Q91XU1	Qki	Protein quaking Rattus norvegicus	307.42	29.62	37643	8	11299237	10994156	11420947	10357294	11182934	10838499	9511600	9590900	9787878	10456523	8878499	9421954	11440389	9552741	9474615	0.908	0.883	2
Q91YE6	Ipo9	Importin-9 Mus musculus	1449.63	33.72	116052	22	45945877	42986849	40790169	38762161	44445289	47529801	43451437	47873325	48847629	46501665	42162241	46346161	49334861	45080865	39852221	1.100	1.046	2
Q99LC5	Etfa	Electron transfer flavoprotein subunit alpha, mitochondrial Mus musculus	782.9	54.65	35009	13	47197325	50388297	49809617	49702425	46943937	44773077	48914785	42986157	40403357	44854177	53256021	52891081	69679073	46374793	50777169	0.909	1.119	2
P62962	Pfn1	Profilin-1 Mus musculus	1060.25	94.29	14957	17	1024157377	902945025	953572289	1.01E+09	948290689	936294465	784463745	870639617	888029057	922767745	738143873	732500225	846331265	803432065	666561153	0.910	0.782	2
P56477	Irf5	Interferon regulatory factor 5 Mus musculus	469.74	21.33	56005	8	9457354	8688761	9533624	9294310	7976920	9665765	10053475	9983382	9977448	9664831	5233217	6262722	6908458	7989919	5251022.5	1.098	0.704	0
Q9Z110	Aldh18a1	Delta-1-pyrroline-5-carboxylate synthase Mus musculus	944.96	25.91	87266	17	30491495	32694221	31429039	28924469	32986801	35022881	33937317	35098017	34160669	33547975	32999173	31296289	33518349	36144437	32422689	1.097	1.063	0

Q8K411	Pitrm1	Presequence protease, mitochondrial Mus musculus	392.16	12.64	117372	8	6009146.5	5405331	5333137	5734345	5940720	4960081.5	5682772.5	5049539	5158592	5062352	6696976.5	6299551	9322893	5865550.5	7560951	0.912	1.258	2
P61290	Psme3	Proteasome activator complex subunit 3 Mus musculus	587.29	41.73	29506	10	11743234	12728134	11595463	12682552	12046464	12846443	13196619	13403250	13291841	13929003	16701308	15831783	9974203	13918805	16140792	1.097	1.194	0
P13020	Gsn	Gelsolin Mus musculus	2023.14	54.87	85942	32	201003649	194352385	194893073	189731745	190754657	166158225	179175265	174917777	181344641	183769697	127141249	132017257	175561025	176422977	123357561	0.912	0.757	0
Q9Z1F9	Uba2	SUMO-activating enzyme subunit 2 Mus musculus	1202.24	44.2	70569	18	39481857	44568577	44546445	40880601	42662517	43391313	45952809	51318225	46699669	45214313	37934841	38986301	37321505	36890233	32419459	1.096	0.865	2
P26443	Glud1	Glutamate dehydrogenase 1, mitochondrial Mus musculus	1417.03	53.76	61337	23	88694833	86550321	90398025	97173209	90705281	85916129	82662001	82815825	80119297	82462929	91779177	88893761	103515585	89556209	96114121	0.913	1.036	0
P10649	Gstm1	Glutathione S-transferase Mu 1 Mus musculus	515.64	46.33	25970	9	15481870	15444992	16324707	17006471	15620298	17677875	16026484	17322703	17573183	18867463	17133481	14521541	11793770	15785399	16431682	1.095	0.947	2
Q8BK67	Rcc2	Protein RCC2 Mus musculus	1140.43	57.31	55983	20	74011409	73745385	69769577	71907345	71671153	69980441	65490077	65709777	64793289	64311017	80652321	79011121	56330137	68079065	75642377	0.915	0.996	1
P04256	Hnrnpa1	Heterogeneous nuclear ribonucleoprotein A1 Rattus norvegicus	1393.54	63.12	34212	19	115698353	113906257	108474769	116541321	108415009	108662481	106070505	103813689	96459569	100196913	78185249	89178737	33373345	108245049	81651777	0.915	0.694	2
P49242	Rps3a	40S ribosomal protein S3a Rattus norvegicus	740.66	45.83	29945	13	239723601	235655713	228900129	231782145	225171905	209697697	221031937	207908721	212782225	211651185	252768977	250345841	99568601	222580865	259388657	0.915	0.934	0
P57776	Eef1d	Elongation factor 1-delta Mus musculus	933.53	56.94	31293	15	181745409	177388673	168917873	172347297	169984561	159331313	161835041	155006161	155428177	165372497	200817953	208369569	101790473	157781265	212474033	0.916	1.012	0
P16675	Ctsa	Lysosomal protective protein Mus musculus	1103.64	36.71	53844	16	52146537	52887725	48555849	53863261	53269797	49345461	46028993	45362837	50129045	47894993	67096897	66330117	122321289	58667313	76074385	0.916	1.498	2
P37040	Por	NADPH--cytochrome P450 reductase Mus musculus	626.12	21.98	77044	10	16926225	16651659	14949827	16295159	15319591	17850349	17446771	17993773	17446247	16732381	17417845	19214789	13068501	16581194	17902541	1.091	1.050	1
Q99K51	Pls3	Plastin-3 Mus musculus	1757.78	62.38	70742	32	282402785	294992705	294076129	309322497	315886529	311650177	317542561	342636641	338650401	322746145	265799153	282880705	467082593	327808801	273893537	1.091	1.081	1
P97379	G3bp2	Ras GTPase-activating protein-binding protein 2 Mus musculus	256.45	11	54088	5	16265685	14626503	15103694	13426750	14113893	13211877	13288481	13242492	13231047	14416029	12681437	11149667	4409978	13263099	9651309	0.916	0.696	2
Q501J6	Ddx17	Probable ATP-dependent RNA helicase DDX17 Mus musculus	957.64	31.54	72399	18	176286961	170519281	179960001	199461345	178348929	166338689	163864337	157832801	169951873	171042625	182241745	177342625	138242833	168268033	187435249	0.916	0.944	1
Q8JZR0	Acsl5	Long-chain-fatty-acid--CoA ligase 5 Mus musculus	568.47	25.04	76206	12	19532513	19340543	19055019	20231657	19566561	21413237	21777503	22047431	20899299	20451529	20748479	21618943	17621465	20047119	22993915	1.091	1.054	0
P62702	Rps4x	40S ribosomal protein S4, X isoform Mus musculus	909.89	59.7	29598	17	430264993	443108257	430237441	429771265	429803457	398780865	405387745	384440577	391034913	403999489	362431201	384626657	106700409	382990625	394435937	0.917	0.754	0
P21300	Akr1b7	Aldose reductase-related protein 1 Mus musculus	262.98	15.82	35988	6	25654131	23432829	24402751	25945925	24912649	26649573	26370775	26417137	28096265	28063825	24354197	23696707	49236641	24047061	24545039	1.090	1.173	0
P50516	Atp6v1a	V-type proton ATPase catalytic subunit A Mus musculus	2341.2	73.91	68326	35	72311593	71708865	71939217	68837329	70689137	78192697	74967145	77391409	79515721	77277697	96079393	97601161	136428625	84547777	99295169	1.090	1.446	0
P13471	Rps14	40S ribosomal protein S14 Rattus norvegicus	499.57	65.56	16259	8	151806449	144405297	148086193	152529233	141950929	136586065	141845121	128568801	131625585	139692241	92419697	98279625	30212459	117414785	93349721	0.918	0.584	0
P14869	Rplp0	60S acidic ribosomal protein P0 Mus musculus	871.61	54.57	34216	13	307734881	282847361	283313601	284351681	289957057	263514721	264318545	263732513	261210321	277172097	323619361	300743073	217831425	272300033	301084097	0.918	0.977	0
P53395	Dbt	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase compl	201.85	10.79	53247	4	2156471	2118849.5	2080588.5	1922841.5	2091864.8	2025361.25	1890892.5	1738190.88	1853614.62	2022714.5	2272683.5	2390072	1480018.38	1887417	2316261	0.919	0.998	2
P83940	Eloc	Elongin-C Mus musculus	207.44	30.36	12473	2	5942166	5922906	6196208	6257572	6057836.5	5810963	5776843	5511685	5250570	5572677	5013040	5918943.5	5009764.5	5259320	4860474	0.919	0.858	0
Q99K48	Nono	Non-POU domain-containing octamer-binding protein Mus musculus	914.56	49.68	54541	16	75337657	79958697	80929145	78957601	75764025	71220177	70622617	70725809	71530073	75547065	68653641	74017897	28754109	71744449	78784961	0.920	0.824	1
Q9D8E6	Rpl4	60S ribosomal protein L4 Mus musculus	1226.3	46.54	47154	20	345759521	348215489	340697089	345042753	321621153	325838465	313029825	304781985	312577825	308969281	360663681	349354145	58342177	313476161	355450113	0.920	0.845	1
Q9JIX8	Acin1	Apoptotic chromatin condensation inducer in the nucleus Mus musculus	469.93	8.07	150719	9	17769657	17031181	17741883	19484957	17828931	16049340	16279295	16634646	17316831	16394883	16331489	17474855	15772015	16944217	17557163	0.920	0.936	1
P26039	Tln1	Talin-1 Mus musculus	7638.56	62.42	269821	106	605769025	623786945	598437697	630206145	591056257	577332545	557421633	544416001	558556161	568075329	580874433	594960129	439341153	545187073	573002945	0.920	0.896	0
P10639	Txn	Thioredoxin Mus musculus	439.25	46.67	11675	5	68897313	68461729	75661617	77247233	74339001	76288969	78802425	81137513	78813505	81105921	98022929	94533953	126814809	75408209	89339977	1.087	1.328	1
Q9CZU6	Cs	Citrate synthase, mitochondrial Mus musculus	782.65	42.67	51737	15	98254505	94375105	93181009	96965305	96658945	90590641	91911809	84501825	82423377	91983617	96031041	101596577	77137281	92639537	101806609	0.921	0.979	0
O08709	Prdx6	Peroxiredoxin-6 Mus musculus	1011.65	80.36	24871	17	84892905	81701609	84302273	83076457	82090585	74904889	78364761	74938713	73575969	81322905	88285233	76483841	95507945	75298537	84345961	0.921	1.009	0
Q9CZ13	Uqcrc1	Cytochrome b-c1 complex subunit 1, mitochondrial Mus musculus	833	44.38	52852	13	32309287	30805601	31096925	34097805	32238173	30640355	29939345	28872459	28193521	30194647	37201513	31867299	21553889	34503277	35885297	0.921	1.003	0
Q9WUA3	Pfkp	ATP-dependent 6-phosphofructokinase, platelet type Mus musculus	1812.23	54.97	85455	27	51940401	51799809	52543449	50258965	53189977	56990109	54474833	56979317	56654985	56869217	61078977	57026517	64736585	55151401	58550673	1.086	1.142	0
Q7TNC4	Luc7l2	Putative RNA-binding protein Luc7-like 2 Mus musculus	395.75	20.15	46583	8	31766479	34806801	34254693	35786833	33866209	30759523	31737647	30752559	30242459	33617845	28171093	28633301	22943841	29863225	31784131	0.922	0.829	1
P47962	Rpl5	60S ribosomal protein L5 Mus musculus	654.47	50.51	34401	12	97165121	96153497	100553337	107996097	104410449	95050769	92805049	89167713	92040449	97509049	78532721	72138057	57280637	96390297	85203465	0.922	0.769	2
Q99LX0	Park7	Protein/nucleic acid deglycase DJ-1 Mus musculus	623.23	76.19	20021	10	52496945	50910641	49957817	46886889	44839925	44682477	48107301	44533617	44692889	43960817	53681557	68972321	53975581	46214305	47744909	0.922	1.104	2
P63323	Rps12	40S ribosomal protein S12 Mus musculus	395.05	59.09	14525	7	57265993	61858193	59501461	63015761	60853325	56784665	56548241	53705125	51303237	60724933	46023473	53383473	33187841	53743173	52321517	0.923	0.789	2
P62830	Rpl23	60S ribosomal protein L23 Mus musculus	397.75	62.86	14865	8	166423809	170960353	164413985	168798145	161448641	158193969	158521329	150692577	140875265	159956961	131651057	123613217	79743529	140783393	123546641	0.923	0.720	0
Q9CR16	Ppid	Peptidyl-prolyl cis-trans isomerase D Mus musculus	600.07	36.76	40743	12	38809509	37852517	39581673	36873637	36200925	41892997	38798029	39914181	41276729	43158649	38493793	39289421	11063046	39297017	34879529	1.083	0.861	2
Q99N69	Lpxn	Leupaxin Mus musculus	542.15	26.94	43478	7	17740601	16758401	16605578	16654113	14659449	17362991	17942817	18417753	17225801	18305885	17078061	19452249	6577981.5	15231918	18371233	1.083	0.931	2
Q3KRE8	Tubb2b	Tubulin beta-2B chain Rattus norvegicus	2106.08	66.97	49953	30	1083058945	1.064E+09	1.12E+09	1.207E+09	1.105E+09	1061590273	1017424513	973817665	1029674241	1071201217	1.033E+09	1024489281	1161961857	937042625	1028389249	0.924	0.929	1
Q9WV54	Asah1	Acid ceramidase Mus musculus	647.15	34.01	44670	10	22489735	21632337	22219609	19919485	22001115	19738353	21385085	20074491	19054969	19795719	22446003	23404929	31275887	21663607	23848133	0.924	1.133	2
P85108	Tubb2a	Tubulin beta-2A chain Rattus norvegicus	2026.68	58.2	49907	29	1080958081	1.062E+09	1.118E+09	1.205E+09	1.104E+09	1059697601	1015745665	972435649	1029674241	1069034433	1.032E+09	1022388673	1159614721	936820481	1026466433	0.924	0.930	1
P97384	Anxa11	Annexin A11 Mus musculus	445.24	18.69	54079	8	7754173	7762726	8545266	8630686	8541587	7605181	7322311	7395256	8099231	7731852	8768587	8318251.5	13593171	8217457	8325781.5	0.925	1.145	2
Q63584	Tmed10	Transmembrane emp24 domain-containing protein 10 Rattus norvegicus	529.49	31.96	24858	6	22299669	23097843	21784489	23405615	24000231	20748439	21297521	22238351	21605649	20156345	30320893	28092653	41181373	25975039	30486949	0.925	1.362	1
Q9CQA3	Sdhb	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial Mus musculus	438.18	30.5	31814	8	31604407	30522797	32113087	33662673	32115717	29944417	30636177	29916539	29200807	28416649	32296333	38986205	57432209	30548009	38148401	0.926	1.234	1
P29758	Oat	Ornithine aminotransferase, mitochondrial Mus musculus	1084.71	50.11	48355	16	65666805	65950885	67491225	71837601	70717169	64899881	61637281	59315337	63866017	66558861	65443465	64337869	65630665	69655945	67623649	0.926	0.974	2
Q922K7	Nop2	Probable 28S rRNA (cytosine-C(5))-methyltransferase Mus musculus	669.24	21.56	86752	13	37936085	39227405	36811993	40358661	37655713	34418885	36261665	35021349	37682185	34347509	37859329	38765593	10739999	36615829	40429089	0.926	0.856	2
P63038	Hspd1	60 kDa heat shock protein, mitochondrial Mus musculus	3463.88	79.06	60955	47	724727041	729135873	739350849	755518017	749142977	671878849	694040065	680394817	668806913	713006657	670385537	654125569	613475329	719356801	636207873	0.927	0.891	0
P62852	Rps25	40S ribosomal protein S25 Mus musculus	258.58	27.2	13742	5	135622769	132223697	127811225	130989457	130741361	127413473	126075369	118908945	115056113	122172433	128086193	148221233	109291105	110071249	147341537	0.927	0.978	0
P39749	Fen1	Flap endonuclease 1 Mus musculus	507.06	29.1	42315	9	23003375	22355851	25136965	24893057	23839891	22799733	22180465	21172607	22236493	22266945	23084183	22432355	16434576	21519233	16656301	0.928	0.840	1
P62334	Psmc6	26S proteasome regulatory subunit 10B Mus musculus	719.43	44.47	44173	15	44558249	42970441	40865621	41778017	42191425	41933853	40390353	37844593	37857633	39401825	34106133	35708129	20815151	37563625	36290233	0.930	0.775	2
Q9CXY6	Ilf2	Interleukin enhancer-binding factor 2 Mus musculus	732.59	53.85	43062	14	19647069	20295139	20714033	21452729	20423361	21786767	21946875	22532501	22535125	21481355	18186159	17947195	18606703	20079277	21589053	1.076	0.940	0
Q9D0R2	Tars	Threonine--tRNA ligase, cytoplasmic Mus musculus	1599.79	46.12	83356	29	80685361	80532449	86935729	78827617	81722337	89097665	86293049	89425881	87803505	86189193	70767753	68355409	50623793	86660281	68860505	1.074	0.845	2
Q8VIJ6	Sfpq	Splicing factor, proline- and glutamine-rich Mus musculus	993.57	27.18	75442	16	62793049	62291853	66650573	68137577	63329881	60133693	61544865	54355069	62040785	63329837	48117621	52099021	11607795	57035457	50352141	0.933	0.678	2
Q9D0E1	Hnrnpm	Heterogeneous nuclear ribonucleoprotein M Mus musculus	1663.1	47.74	77649	28	193402017	189452769	195624081	202127393	193128145	182903025	181839393	173544049	185507249	184441937	164332193	176030129	99629641	168192113	173636033	0.933	0.803	0
Q8BTM8	Flna	Filamin-A Mus musculus	5048.24	49.87	281222	84	141204145	144695281	142157505	133880393	129088609	155778737	142575185	145478849	143239105	153541377	126614673	136774257	281103169	127837649	120366049	1.072	1.147	2
P14115	Rpl27a	60S ribosomal protein L27a Mus musculus	371	33.11	16605	7	174279105	168893121	174095665	175483217	170995697	159562353	156910929	161834305	164841745	164000433	191163921	191884401	41219757	158482929	197189841	0.934	0.903	0
Q9Z1D1	Eif3g	Eukaryotic translation initiation factor 3 subunit G Mus musculus	445.95	36.88	35638	9	39019265	38842949	37831469	38428289	38597977	37383685	36905945	33477757	34989173	37427805	32615497	34642829	24491769	31570619	35225809	0.935	0.823	0
Q9EST5	Anp32b	Acidic leucine-rich nuclear phosphoprotein 32 family member B Mus musculus	354.38	27.21	31079	7	89752785	94202897	93915817	99709793	91309425	83811721	89758361	87317457	89014313	88803945	97811617	93554481	23129279	85657577	96643433	0.936	0.846	1
P17751	Tpi1	Triosephosphate isomerase Mus musculus	1395.28	72.91	32192	19	527717729	511876513	501336833	500337281	515414657	484854881	485587201	467038529	450131841	504544929	528399073	499945153	553985409	480561857	559960833	0.936	1.026	2
Q61233	Lcp1	Plastin-2 Mus musculus	4110.059	87.88	70149	62	1459363201	1.594E+09	1.624E+09	1.626E+09	1.481E+09	1605696769	1658097281	1705698817	1707495553	1639206145	1.548E+09	1563454465	1574075009	1.657E+09	1552134657	1.068	1.014	2
P10711	Tcea1	Transcription elongation factor A protein 1 Mus musculus	556.38	36.21	33880	9	19861937	19464833	20003471	20239273	19544581	18769137	19113135	17727191	18769749	18516013	16560573	18752745	6477541	16769133	18406019	0.937	0.777	0
Q64105	Spr	Sepiapterin reductase Mus musculus	732.36	58.62	27883	11	25728915	24732183	24475833	25978069	25220741	23667501	23978091	22823161	24106245	23710717	15188566	16332903	24084009	19634507	12953239	0.938	0.699	0
O70194	Eif3d	Eukaryotic translation initiation factor 3 subunit D Mus musculus	736.8	40.69	63989	13	49557549	53365917	49774477	52569121	50609737	47222449	47147269	49000593	49469993	47145357	43599597	44103081	18574613	46688777	42727965	0.938	0.765	0
P47738	Aldh2	Aldehyde dehydrogenase, mitochondrial Mus musculus	1506.28	68.21	56538	25	114300225	116473881	112112049	115557705	113846057	111015657	105161609	106497257	105175209	109278185	119342929	123368329	243829761	119953297	126832993	0.939	1.281	0
Q91WK2	Eif3h	Eukaryotic translation initiation factor 3 subunit H Mus musculus	774.68	52.27	39832	13	40238789	40253637	38809365	40539561	40315213	35370613	38478053	39733761	38190169	36107333	36632545	33719397	27756567	39701749	34283449	0.939	0.860	1
F1LMZ8	Psmd11	26S proteasome non-ATPase regulatory subunit 11 Rattus norvegicus	1109.24	57.58	47464	19	68421457	64726105	67415041	64234353	65862089	71452121	68876481	70674609	71231625	69783177	72384801	75154225	35790261	68678473	73907449	1.065	0.986	0
P62827	Ran	GTP-binding nuclear protein Ran Mus musculus	787.85	57.87	24423	13	111746673	119413641	118515881	118781009	118097265	111934969	108628897	105926609	110991273	113593129	93711665	78421449	33784765	112587425	84893561	0.940	0.688	2
Q9JIK5	Ddx21	Nucleolar RNA helicase 2 Mus musculus	2053.9	54.76	93551	36	147884673	149636641	155446657	165183169	153624529	150137345	142538225	141389601	145242705	146354673	127778337	130564673	34081333	137470465	142281729	0.940	0.741	2
P63280	Ube2i	SUMO-conjugating enzyme UBC9 Mus musculus	286.27	53.8	18007	6	15460309	14871258	14756649	14593395	14418637	13812333	14361461	13554901	13829180	14116022	16419825	15629003	15185788	15251619	14917095	0.940	1.045	0
P54313	Gnb2	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 Rattus norvegicus	1056.32	63.53	37331	16	40296997	41735893	37795589	41017433	38807013	37911609	38464597	37723421	35943513	37718269	55228965	51712377	35318085	45053361	58156449	0.940	1.229	2
Q91VR2	Atp5f1c	ATP synthase subunit gamma, mitochondrial Mus musculus	513.01	38.59	32886	10	31125311	31652717	31948357	33749341	32440317	29859973	30763777	30422109	29841203	30543555	38933489	33686785	28017101	34283505	35463225	0.941	1.059	0
Q9JHU9	Isyna1	Inositol-3-phosphate synthase 1 Mus musculus	663.52	29.26	60932	11	36990793	38068541	35697389	38235153	37198901	35629497	35034449	34902493	34140649	35532385	34051865	35423065	24087419	31241081	32436101	0.941	0.845	0
Q9CWJ9	Atic	Bifunctional purine biosynthesis protein PURH Mus musculus	2297.18	75.68	64217	34	199826897	194478769	197613953	209176753	196935969	183227969	184767329	187896049	190897729	195614241	200068561	182516769	108973849	181060737	187799297	0.944	0.862	1
Q9D0R4	Ddx56	Probable ATP-dependent RNA helicase DDX56 Mus musculus	178.1	9.34	61212	3	3272390	3542310	3279499.5	3320014.8	3277817.3	3380502	3709165.75	3379145.5	3566547	3627785	2791927.8	2858190.25	1360506	3935162	2604765.25	1.058	0.812	2
Q60864	Stip1	Stress-induced-phosphoprotein 1 Mus musculus	1419.29	51.93	62582	25	133454617	137305153	133533417	143270209	131468281	130701201	129084697	124098057	127115577	131257081	96116577	108231897	103189761	112808393	105729193	0.946	0.775	0
Q8BFZ3	Actbl2	Beta-actin-like protein 2 Mus musculus	1372.44	40.43	42004	23	2954843649	2.754E+09	2.727E+09	2.94E+09	2.729E+09	2717005825	2710076929	2587523329	2675120897	2662461441	2.918E+09	3048272129	3791824897	2.58E+09	2949649665	0.947	1.084	0
P13084	Npm1	Nucleophosmin Rattus norvegicus	979.92	45.21	32560	14	370026753	377255073	380714433	397851841	392260801	356360609	365795393	362790369	365707329	367242241	354262241	339465121	123157137	338907041	361210241	0.948	0.791	0
Q794E4	Hnrnpf	Heterogeneous nuclear ribonucleoprotein F Rattus norvegicus	935.53	54.46	45730	14	113217225	113235369	113830249	114652721	109336081	111320929	105863337	105975033	102039521	110189721	90338625	86515673	84121425	102692809	90918737	0.949	0.806	2
P14148	Rpl7	60S ribosomal protein L7 Mus musculus	1284.82	58.15	31420	25	349718113	344183937	335605441	332241889	327872065	320127329	318453697	321557313	326644225	316601121	356589441	364249313	46217537	324452673	375188897	0.949	0.868	0
P51174	Acadl	Long-chain specific acyl-CoA dehydrogenase, mitochondrial Mus musculus	970.14	50	47908	16	57725889	60779033	64269401	65325705	63732569	64776453	65667793	65848801	66451441	65784073	62814081	63679913	117128417	66992281	72716105	1.054	1.229	1
Q9CQ65	Mtap	S-methyl-5'-thioadenosine phosphorylase Mus musculus	475.76	42.05	31062	8	32717417	32192057	31922577	32259175	31057031	30181817	31133343	29207833	30467977	31119523	29293229	31661779	19458473	28524021	28702963	0.950	0.859	2
P05202	Got2	Aspartate aminotransferase, mitochondrial Mus musculus	1388.24	53.72	47411	23	226198081	214395489	220967489	225315105	219553905	207573409	210677921	209414721	212132353	211227361	238846353	241611809	286154913	218339841	251790497	0.950	1.118	0
P47713	Pla2g4a	Cytosolic phospholipase A2 Mus musculus	977.38	35.16	85222	19	73549177	77318681	77292585	76739561	76339761	78404529	82076121	79918169	81677809	79195705	71084673	68201665	27337313	82914305	77408545	1.053	0.858	0
P17918	Pcna	Proliferating cell nuclear antigen Mus musculus	1091	85.06	28785	17	291430625	284863745	293270401	308613057	295794785	274941089	280858849	278738145	282263009	283670561	262193409	269109185	188646033	281830625	256659713	0.950	0.854	0
Q6MG61	Clic1	Chloride intracellular channel protein 1 Rattus norvegicus	1123.47	62.66	26981	14	154180785	158246961	156265889	154257377	151707217	147983521	149174257	142869969	143113009	153157761	160077009	169505313	224354961	146223297	173213793	0.950	1.127	1
P38647	Hspa9	Stress-70 protein, mitochondrial Mus musculus	2182.07	55.67	73461	32	191383921	201043857	197247649	206219281	190159009	188741377	188085969	190689329	187869937	183019393	158359089	152490657	185146033	198986081	169225489	0.952	0.876	1
Q9JKF1	Iqgap1	Ras GTPase-activating-like protein IQGAP1 Mus musculus	6063.399	68.56	188742	96	423495201	428459585	427796513	390272545	415468321	430823169	432245825	440884801	440732353	442728577	414578753	420608289	500380769	431343681	403034401	1.049	1.040	0
P51410	Rpl9	60S ribosomal protein L9 Mus musculus	1059.24	73.44	21881	15	124552377	125708945	128319889	127488913	125260465	123453041	117629409	122079041	122184049	116794025	124557521	125715393	42366385	120627457	119875769	0.954	0.844	0
Q8VDN2	Atp1a1	Sodium/potassium-transporting ATPase subunit alpha-1 Mus musculus	2261.13	38.22	112982	35	151493889	145084225	147636993	148600033	138102353	155158881	149976913	150169521	158904321	151981153	162967265	174845921	239243089	153151729	176979201	1.048	1.241	2
P50247	Ahcy	Adenosylhomocysteinase Mus musculus	1645.95	73.15	47688	27	161772817	150314689	151595073	161717873	153949729	151258321	150210113	142907697	149720193	149388097	178850673	185768593	211715329	149764673	182284817	0.954	1.166	1

P35980	Rpl18	60S ribosomal protein L18 Mus musculus	527.2	49.47	21645	10	334912769	319608705	325100321	343147521	317321185	322178625	313298145	302775361	314257825	312199329	285954049	312777345	26191773	282604321	306060033	0.954	0.740	2
Q62418	Dbnl	Drebrin-like protein Mus musculus	587.36	24.08	48700	7	22994089	22344375	21703913	23084771	22406685	21227919	22320463	21551925	21009107	21253609	14340144	18052657	12297901	19458117	17156323	0.954	0.722	1
O89053	Coro1a	Coronin-1A Mus musculus	1296.8	52.49	50989	21	640418433	660391873	637204801	650806849	624829633	626427009	609786049	593757697	613209729	625292673	526668641	526497281	285905217	572546881	510172001	0.955	0.754	2
P62914	Rpl11	60S ribosomal protein L11 Rattus norvegicus	577.37	62.92	20252	11	182524609	180864849	180374545	187910705	183596817	173170353	177745953	177836433	170815857	175751377	164443441	171387281	38346229	162967265	181933841	0.956	0.786	0
O08553	Dpysl2	Dihydropyrimidinase-related protein 2 Mus musculus	1856.42	76.57	62278	30	133635025	132951953	138308929	140048001	131571889	126404505	125703633	131924473	130727953	132659609	163905793	157659121	203927169	133128569	160288577	0.957	1.210	2
P01902	H2-K1	H-2 class I histocompatibility antigen, K-D alpha chain Mus musculus	881.15	45.38	41490	16	59737329	62054205	62150449	56992537	58248969	63103005	62565493	60298353	62371677	62714089	51271485	55156701	71562417	63837729	60120737	1.040	1.009	2
O88685	Psmc3	26S proteasome regulatory subunit 6A Mus musculus	1011.96	48.87	49549	16	53518333	54887281	55237493	55016301	56060041	53200453	54081409	51269449	54002941	52159349	37672681	43728489	33970493	49147941	41753585	0.964	0.751	2
Q9D8N0	Eef1g	Elongation factor 1-gamma Mus musculus	1580.78	77.8	50061	26	257347137	257023729	247303521	255017697	247320641	245105233	240301905	245607665	240625217	254497809	268854081	254139233	122422353	245307713	263426609	0.970	0.913	2
P17182	Eno1	Alpha-enolase Mus musculus	2394.93	77.42	47141	32	634725569	621582273	626917953	603196545	626044225	637386561	636867969	631673217	629890177	639530305	702412865	661483329	616819905	618730113	685395585	1.020	1.055	2