

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

acc number	gene_name	description	protein_set_score	coverage	MW	#observable_peptides	#peptides	#specific_peptides	abundance_Ctrl1	abundance_Ctrl2	abundance_Ctrl3	abundance_Ctrl4	abundance_Ctrl5	abundance_PET1	abundance_PET2	abundance_PET3	abundance_PET4	abundance_PET5	U	fold change
O35379	Abcc1	Multidrug resistance-associated protein 1 Mus musculus	272.02	5.37	171185	82	6	6	1556853.88	1396161.25	2259835.5	1450027.38	1222836	2503805.5	2920661.5	2667492	3392984	2535187.5	0	1.778
Q8JZR0	Acsf5	Long-chain-fatty-acid-CoA ligase 5 Mus musculus	734.54	26.79	76206	39	14	12	22921912	24854404	27423916	28042924	24023774	28261198	28772220	28047030	28261396	28330104	0	1.113
Q9Z110	Aldh18a1	Delta-1-pyrroline-5-carboxylate synthase Mus musculus	797.96	17.61	87266	50	13	13	26337374	24590680	25065042	22254742	24552482	30499580	30241490	27519696	32269324	31183504	0	1.235
P61967	Ap1s1	AP-1 complex subunit sigma-1A Mus musculus	87.89	10.13	18733	10	1	1	2	620105.25	395631.84	2	2	743148.94	1081161.5	831581.69	795946.19	731768.12	0	4.119
Q5FWK3	Arhgap1	Rho GTPase-activating protein 1 Mus musculus	443.01	27.56	50411	28	8	8	6215353	7722782.5	8901980	4484902	3780671.5	9589023	9746450	9359849	10499380	9004801	0	1.550
P29067	Arrb2	Beta-arrestin-2 Rattus norvegicus	552.34	28.05	46340	23	10	9	24666416	24121056	23920698	22350920	21964264	15057882	17245708	18929766	21164070	20843428	0	0.797
Q8BSY0	Asph	Aspartyl/asparaginyl beta-hydroxylase Mus musculus	190.12	8.64	83042	34	4	4	245133.08	3133473.75	914561.38	3133359.75	2773286.5	3718713	3619790.75	3670511.75	3967680	3715105.5	0	1.833
P50516	Atp6v1a	V-type proton ATPase catalytic subunit A Mus musculus	2251.45	66.45	68326	38	34	34	123593826	120118506	131405122	106950922	107660018	135831986	153387938	140374082	134975538	136425714	0	1.189
P53563	Bcl2l1	Bcl-2-like protein 1 Rattus norvegicus	102.75	8.15	26158	11	2	2	3761146.5	3458366.25	3755023.5	3309617	3519324.5	4338274.5	4442152	3886222.5	4131259	4411974	0	1.191
Q4QQT6	Brix1	Ribosome biogenesis protein BRX1 homolog Rattus norvegicus	239.63	17.9	41115	22	5	5	8674600	9188878	9821440	8323403	9177314	12028016	11437917	10685671	12435082	10726359	0	1.268
P98086	Cl1qa	Complement C1q subcomponent subunit A Mus musculus	145.06	11.84	25974	16	2	2	3400939	3782549.5	3328616.5	3221946.75	3323422.75	2768256.5	2019722.25	2504832.5	2369537.25	2583752.5	0	0.718
P35564	Canx	Calnexin Mus musculus	1288.68	45.52	67278	36	22	22	77678682	86358786	79166522	88791506	96543490	68909442	61298542	73483866	71637962	62785014	0	0.789
O88456	Calpain1	Calpain small subunit 1 Mus musculus	561.39	63.94	28463	13	10	10	13662512	13555648	13892040	13751945	13166245	16491748	16265364	13999746	16194423	17009030	0	1.175
Q8VEH6	Cbw1d1	COBW domain-containing protein 1 Mus musculus	89.21	5.6	43772	24	1	1	281664.62	275937.16	131693.28	300517.5	242165.41	379510.47	529271.12	369228.06	416034.25	339633.09	0	1.651
P11680	Cfp	Properdin Mus musculus	141.6	5.6	50327	21	2	2	2010314	1652911	1698511.88	2088848.5	2311355.5	1545124.38	1626137	1379469.75	1303973.62	1478983.25	0	0.751
Q9R0Q8	Clec4e	C-type lectin domain family 4 member E Mus musculus	122.39	12.15	24431	10	2	2	1777449.75	1325935.5	1669137	1328814	1802030.38	2370898.5	2318258.5	1862884.5	2346673	2447764	0	1.436
P61924	Copz1	Coatomer subunit zeta-1 Mus musculus	314.78	35.03	20198	5	6	6	8374866	7623197	10032203	9490976	8926334	12588074	11348832	10430048	12195832	12384741	0	1.326
P47199	Cryz	Quinone oxidoreductase Mus musculus	99.8	10.27	35269	21	2	2	1223613.12	1148964.12	1197406.12	1110848.38	1129544.38	1584853.5	2536599.25	1344544.25	2269251.5	1452969.5	0	1.581
P70303	Ctps2	CTP synthase 2 Mus musculus	63.39	2.73	65514	34	1	1	386539.41	294633.88	377682.03	372959.41	349365.72	397888.91	459084.19	447625.22	457581.34	480482.81	0	1.259
P97821	Ctsc	Dipeptidyl peptidase 1 Mus musculus	401.24	16.45	52376	23	6	6	28958578	23759196	27080092	24100442	28117454	23205478	23479268	23001522	20932878	23484614	0	0.864
Q9CQX2	Cyfb5b	Cytochrome b5 type B Mus musculus	66.2	8.22	16318	8	1	1	2640450.25	2288401.5	2204773.25	2475345.75	2478911.5	1618817.38	1719706.75	1894742.75	1816685.75	2051176.12	0	0.753
Q61093	Cybb	Cytochrome b-245 heavy chain Mus musculus	184.24	8.77	65305	31	4	4	2681149.25	2157112	2962915	1128220	2490855	3657796.5	3323067	3181639.25	4287571	3026842.25	0	1.530
P53395	Dbt	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial Mus musculus	135.42	6.02	53247	32	2	2	1651410.75	1420771.62	2035329.38	1022557.81	1376895.75	2561803	2809828.5	2079940	2673352	2299549	0	1.655
O70318	Epb41l2	Band 4.1-like protein 2 Mus musculus	362.89	10.63	109940	64	8	8	7466908	7358598.5	7394818	6191101	6093991	8073127	8848792	8745759	9766968	7638501.5	0	1.248
Q7EQH2	Erap1	Endoplasmic reticulum aminopeptidase 1 Mus musculus	896.8	25.7	106599	52	18	18	22789080	23353686	23779474	21443122	21028842	23894644	29255096	26086242	26923956	25824866	0	1.174
Q8R180	Ero1a	ERO1-like protein alpha Mus musculus	988.1	42.24	54084	35	16	14	38574726	42042602	40335782	35194890	40161034	45028830	49505110	43564594	44465186	46263654	0	1.178
Q5U2Q7	Eif1	Eukaryotic peptide chain release factor subunit 1 Rattus norvegicus	1162.86	56.75	49031	28	18	18	25851358	34863322	36024002	37073806	32158708	38960846	43998054	39548702	40552458	43493510	0	1.245
Q99L27	Gmpr2	GMP reductase 2 Mus musculus	40.15	3.45	38019	17	1	1	2666277	1763535.62	1704206.75	1921517.38	2239458	1340377.12	1380516.5	1451196.25	868283.19	1455538.25	0	0.631
P53702	Hccs	Cytochrome c-type heme lyase Mus musculus	40.72	4.78	30978	16	1	1	2	2	2	2	2	922931.06	1192027.88	907379.94	940338.94	958154.94	0	492083.276
Q9ESY9	Ifi30	Gamma-interferon-inducible lysosomal thiol reductase Mus musculus	108.44	10.89	27784	13	2	2	3720533	4729704.5	3744238.5	4117702.25	3847613	3277739.5	2755254.25	3101523	2982629.5	3122488	0	0.756
Q8C3X8	Lmf2	Lipase maturation factor 2 Mus musculus	133.7	4.84	79997	28	2	2	2	99663.51	2	115227.23	2	234528.75	418145.5	316971.31	451819.53	332961.5	0	8.164
Q9JKP5	Mbnl1	Muscleblind-like protein 1 Mus musculus	250.37	21.99	36976	12	4	4	15648505	14622971	12562129	12871021	13943088	12479320	10898475	11487051	8815694	10744992	0	0.781
Q8CHK3	Mboat7	Lysophospholipid acyltransferase 7 Mus musculus	93.13	6.77	53436	18	2	2	79180.33	601431.38	388371.06	2	472566.94	783696.31	916129.25	912205.75	944832.25	772251.56	0	2.808
P34960	Mmp12	Macrophage metalloelastase Mus musculus	337.67	18.18	54971	29	8	8	47966960	6754044.5	7870070.5	6300582	5226440	11535765	11928623	13114395	12966950	15600368	0	2.105
A1L314	Mpeg1	Macrophage-expressed gene 1 protein Mus musculus	922.75	40.81	78390	31	17	17	41420122	38384406	40366678	35873586	34609166	45211310	53729658	54151334	58232978	52527202	0	1.384
P62774	Mtpn	Myotrophin Mus musculus	304.58	51.69	12861	8	6	6	15650790	10371034	11989414	14364846	13511481	17368102	17053988	19351882	17372594	16367766	0	1.328
E9Q634	Myo1e	Unconventional myosin-1e Mus musculus	854.97	18.43	126818	67	16	11	17856692	15635518	19211718	13847557	16946494	20442332	25430822	23579064	25333526	22073936	0	1.400
P70248	Myo1f	Unconventional myosin-1f Mus musculus	491.15	8.55	125947	62	8	3	8799589	9474239	9687513	9019738	9407403	10127876	11718556	11787362	11384413	11320032	0	1.214
Q8CCP0	Nemf	Nuclear export mediator factor Nemf Mus musculus	127.2	2.82	121188	56	3	3	218739.72	1536972.25	930964	1493609.75	1204812.5	1717104.38	1984619.5	2155692.5	2059224.62	2162719.25	0	1.872
Q8VEB4	Pla2g15	Group XV phospholipase A2 Mus musculus	103.93	5.1	47307	19	2	2	2747562.75	3486076.25	2787487.25	3359960	3446275.5	2732928.75	2530685.5	1952396.25	2456781	2214995	0	0.751
Q9DBG5	Plin3	Perilipin-3 Mus musculus	492.51	26.32	47262	29	8	8	19322246	18876354	22624798	19802592	22629276	18872958	18207026	16869466	18020950	17039318	0	0.862
B2RXS4	Plxnb2	Plexin-B2 Mus musculus	828.13	12.87	206230	100	17	17	10504926	10259856	12093155	12613139	11380886	13686203	12877516	13764369	14415563	13373280	0	1.198
Q5SSW2	Psmc4	Proteasome activator complex subunit 4 Mus musculus	37.42	0.38	211197	107	1	1	241859.95	2	2	2	2	345290.25	255286.78	261311.19	322129.31	302621.75	0	6.146
Q3UEB3	Puf60	Poly(U)-binding-splicing factor PUF60 Mus musculus	790.96	33.33	60249	30	13	13	24548660	26645378	26608822	20076236	26007420	29542030	30432820	30467170	29761340	30125490	0	1.213
Q9QXK2	Rad18	E3 ubiquitin-protein ligase RAD18 Mus musculus	42.37	4.72	57412	29	1	1	788974.75	738343.31	795461	965158.19	1002665.12	711390.44	617818.44	676816.12	648878.38	728645.69	0	0.789
Q8BX09	Rbbp5	Retinoblastoma-binding protein 5 Mus musculus	52.88	1.67	59098	29	1	1	909859.31	1052149.12	886312.44	2	1130505.62	1226028.62	1969402	1246262.25	1384041.12	1391228.88	0	1.814
Q9D0F6	Rfc5	Replication factor C subunit 5 Mus musculus	187.29	15.63	38096	27	4	4	4361424.5	3706440.75	3656633	3451799.5	2940184.75	4573983	6098836	4789114.5	5669762	5016685	0	1.443
P56183	Rrp1	Ribosomal RNA processing protein 1 homolog A Mus musculus	220.17	13.36	54777	25	4	4	1719926.88	1716126.88	2034714.5	295836.59	421136.38	3127184.75	2765353	2729559.5	2693348.5	2389115.5	0	2.215

Q8BUJ7	Rufy1	RUN and FYVE domain-containing protein 1 Mus musculus	120.72	4.35	80376	52	3	3	3199384.25	2563906.5	2724617.75	2684634	3021815	2440564.5	2209132.5	2231020.5	2087308.25	2380659	0	0.800
Q9JLC8	Sacs	Sacsin Mus musculus	61.36	0.35	520685	287	2	2	11963286	11789490	10390198	12975870	12502984	8058800	7089267	8575899	6350611	8441591	0	0.646
O08992	Sdcbp	Syntenin-1 Mus musculus	224.11	17.73	32379	15	3	3	1817781	1783846	2342505.25	831904.31	1628375.88	3436692.5	3659936.75	4500794	4917902	3495883.5	0	2.381
P16036	Slc25a3	Phosphate carrier protein, mitochondrial Rattus norvegicus	748.41	39.33	39445	20	13	13	73843922	83044226	86774986	83256490	67842738	88021162	114605242	97941818	103050706	92177290	0	1.256
Q64310	Surf4	Surfeit locus protein 4 Mus musculus	161.04	11.52	30381	11	2	2	2	1997442.25	2472125.5	2	2	2	2650492	3850734.25	3029940	2705631	0	3.366
Q5PQJ7	Tbcl	Tubulin-specific chaperone cofactor E-like protein Rattus norvegicus	72.81	5.9	48046	28	1	1	221011.69	194251.28	178874.34	2	2	280112.72	447825.84	392697.75	375027.16	248270.5	0	2.935
Q9DBS1	Tmem43	Transmembrane protein 43 Mus musculus	573.85	36.5	44783	23	11	11	14442533	15168786	15548085	11202369	11085081	17213598	22346826	17600194	16283978	15898374	0	1.325
Q9D8Y7	Tnfaip8l2	Tumor necrosis factor alpha-induced protein 8-like protein 2 Mus musculus	235.26	40.22	20615	11	4	4	2701231.75	2323802.5	3614728.25	1120286.38	1433723.5	4678688.5	4877005	4482855.5	7002389.5	3700910.25	0	2.210
Q8BFY9	Tnpo1	Transportin-1 Mus musculus	1138.08	30.62	102357	45	21	14	39598966	41170594	39005998	38092830	38559762	42309830	41686662	41494834	44495690	42417658	0	1.081
P21107	Tpm3	Tropomyosin alpha-3 chain Mus musculus	515.89	23.16	32994	24	10	1	147905314	133635586	121570354	122139026	155233122	113736210	101106130	111208250	101929314	86926618	0	0.757
Q9CZR8	Tsfm	Elongation factor Ts, mitochondrial Mus musculus	289.3	22.84	35334	16	4	4	1688528.25	1354265.25	3101804.75	2505800.25	1507016.88	3519394	3472004.5	3540917.75	3302770.25	3314887.25	0	1.688
D3ZC96	Ttc39b	Tetratricopeptide repeat protein 39B Rattus norvegicus	47.22	1.78	70168	35	1	1	666410.25	709638.88	738486.62	328161.34	2	953393.19	784393.56	749471.5	814006.44	788547.81	0	1.674
B5DEN9	Vps28	Vacuolar protein sorting-associated protein 28 homolog Rattus norvegicus	61.14	6.58	26110	14	1	1	2709988.5	890033	1067850.62	865773.38	946303.19	511690.34	540320.75	721842.38	518814.81	575960	0	0.443
P28650	Adssl1	Adenylosuccinate synthetase isozyme 1 Mus musculus	332.35	15.1	50254	28	5	5	3789177.25	2498594.5	4206218.5	5149088	4224752	6610314	8668852	5275461.5	4883366.5	5462643	1	1.555
P35585	Ap1m1	AP-1 complex subunit mu-1 Mus musculus	299.23	21.51	48543	31	7	7	7362665	5916003	5217148	4293041.5	4131355.5	10577240	8350882	7825994	6296601	7390071	1	1.502
P23593	Apod	Apolipoprotein D Rattus norvegicus	47.46	3.7	21635	10	1	1	3579135.5	3824154.75	4032672.5	3815989.25	3627766.25	5062043	4302246	4841289	3973894.25	4059393	1	1.178
Q8COM9	Asrg11	Isoaspartyl peptidase/L-asparaginase Mus musculus	158.84	10.74	33950	16	3	3	4816878	5681351	6586042.5	4252606	5410443	8131024	6463709	6899436	7550091	7581557	1	1.369
P50408	Atp6v1f	V-type proton ATPase subunit F Rattus norvegicus	132.17	29.41	13370	8	2	2	2240413	1976214.25	2033732.5	2275275.25	2665424.75	1790211	1757948.5	1808622.75	2011035.75	1547890.5	1	0.797
P70704	Atp8a1	Phospholipid-transporting ATPase 1A Mus musculus	40.92	0.69	131413	65	1	1	8997089	3798858.5	2904949	5176721.5	4579529	3105378.5	1082226.88	2326818	559447.19	1351806.38	1	0.331
Q61687	Atrx	Transcriptional regulator ATRX Mus musculus	55.43	0.36	278587	133	1	1	2	2	81763.51	101274.65	117214.7	165290.7	138968.39	157578.64	85207.35	1	3.629	
O88543	Cops3	COP9 signalosome complex subunit 3 Mus musculus	586.46	36.41	47832	27	10	10	15758345	10846731	10237608	10011483	9635746	17123496	16988894	16258356	18635712	11395127	1	1.423
Q9QXK7	Cpsf3	Cleavage and polyadenylation specificity factor subunit 3 Mus musculus	147.66	7.89	77505	38	4	4	5096423	4822721	4702247.5	3713712.75	4420070.5	6711439	5961782	5426501.5	5447374	4946371	1	1.252
Q3TYS2	Cybc1	Cytochrome b-245 chaperone 1 Mus musculus	112.9	11.23	20921	13	2	2	1860912.88	3930813.5	4446986	4572755	4368696	4506450	5427080	5014703	5874826	5013685	1	1.347
P60843	Eif4a1	Eukaryotic initiation factor 4A-1 Mus musculus	2306.16	71.92	46154	24	33	19	441859426	420403842	459000866	436052514	440689186	481788034	453600066	462681634	478351042	459686914	1	1.063
Q3UMY5	Eml4	Echinoderm microtubule-associated protein-like 4 Mus musculus	85.26	1.62	110027	59	1	1	952933.25	841999.69	1025296.44	1262037.25	1688904.5	830190.56	896110	692239.19	757249.81	732680.56	1	0.677
Q5PPH0	Enoph1	Enolase-phosphatase E1 Rattus norvegicus	42.1	8.43	28875	11	1	1	2	407908.22	292927.69	286710.91	260049.73	392588.25	453134.19	418021.06	678985.81	585936	1	2.027
Q8R2E9	Ero1b	ERO1-like protein beta Mus musculus	281.85	13.28	53518	34	5	3	11278069	9894717	10934057	9760842	11036821	11822685	12695751	11259289	11753827	12715396	1	1.139
P97834	Gps1	COP9 signalosome complex subunit 1 Rattus norvegicus	339.55	19.96	53428	26	7	7	4089038.5	11001202	12076609	7148202	7332233	11252294	12571195	12448393	12588259	12439684	1	1.472
Q60631	Grb2	Growth factor receptor-bound protein 2 Mus musculus	331.95	40.55	25238	19	7	7	15857946	13937072	16213744	13799544	12965352	16129850	17992060	16341027	18015386	17659390	1	1.184
O35127	Grccl0	Protein C10 Mus musculus	39.12	14.29	13194	7	1	1	2	2	320164.84	174969.67	161403.81	431645.06	403169.09	362360.5	367083.94	188259.03	1	2.669
P13020	Gsn	Gelsolin Mus musculus	1472.83	42.56	85942	37	24	24	137309026	121233418	117093626	129330258	144686178	118327810	104845482	112058602	107159586	101433170	1	0.837
Q8VH49	Higd1a	HIG1 domain family member 1A, mitochondrial Rattus norvegicus	164.59	43.01	10301	4	2	2	1235673.75	1705494.75	1339175.38	758324.44	1516521.5	1816042.25	2312917	1708303.12	1768722.25	1565707.25	1	1.399
O70503	Hsd17b12	Very-long-chain 3-oxoacyl-CoA reductase Mus musculus	754.77	41.35	34742	18	13	13	35440678	35069838	34023678	32048884	31321558	39491278	37317342	35611814	37754658	35133310	1	1.104
P08113	Hsp90b1	Endoplasmic Mus musculus	2910.68	53.74	92476	47	46	44	500644354	513478914	491748194	486387874	499512546	604846914	594162690	568394818	580829826	509601762	1	1.147
O35344	Kpna3	Importin subunit alpha-4 Mus musculus	431.09	18.62	57773	20	9	7	15403128	15917769	16646243	15620212	12512925	17526804	19423178	17420714	16561265	17899106	1	1.167
Q8CGK3	Lonp1	Lon protease homolog, mitochondrial Mus musculus	1062.37	29.93	105843	54	20	20	21194566	16934526	18256274	15221630	17337398	21519116	22468900	23323694	21916354	20650068	1	1.235
P08905	Lyz2	Lysozyme C-2 Mus musculus	156.84	27.03	16689	10	2	2	5689187	4450391.5	2502940.75	5203033.5	6528616	2400652	1473097.25	2179431	1617972.88	2743081	1	0.427
P24668	M6pr	Cation-dependent mannose-6-phosphate receptor Mus musculus	323.25	24.82	31172	17	4	4	9403913	11008831	10391966	12275439	11470310	6466695	8206154.5	6743773	10300332	9054209	1	0.747
P27808	Mgat1	Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase Mus musculus	64.75	3.58	51690	26	1	1	2	2	2	640129.44	2	844627.69	539591.5	697675.88	976998.81	647174.94	1	5.789
Q8BP47	Nars	Asparagine--tRNA ligase, cytoplasmic Mus musculus	1009.49	37.75	64279	30	19	19	45358022	57544518	53404238	52913770	50443982	59742982	66264026	65361694	69042346	55317102	1	1.216
Q9WTK5	Nfkb2	Nuclear factor NF-kappa-B p100 subunit Mus musculus	148.44	4.23	96832	46	3	3	3762420.75	2861342.5	3243932.5	2434208	2121877.75	4377372.5	4257160.5	4209293.5	3487804.5	3775979.5	1	1.394
Q9CXX8	Nip7	60S ribosome subunit biogenesis protein NIP7 homolog Mus musculus	51	7.78	20452	12	1	1	2	1032701.62	1011590.06	955823.31	1176359.12	1053775.38	1290028.12	1316285.38	1790158.62	1726134	1	1.718
Q99P88	Nup155	Nuclear pore complex protein Nup155 Mus musculus	783.91	12.15	155118	67	13	13	11182189	12447762	11095673	10858873	11117036	15029422	14224896	12494484	14088911	11186562	1	1.182
Q9CZ30	Ola1	Obg-like ATPase 1 Mus musculus	578.52	36.36	44730	28	10	10	46892234	33715718	33995530	35471490	31192038	32816388	27786884	29824906	22333092	29020982		

Q9CX56	Psmc8	26S proteasome non-ATPase regulatory subunit 8 Mus musculus	172.18	8.5	39930	22	3	3	1805180.62	1387586.62	1735094.5	1763567.88	1528875.5	2170744.75	1996807	2211742.25	1929177	1793585.62	1	1.229
Q9JK23	Psmg1	Proteasome assembly chaperone 1 Mus musculus	288.67	20.07	33104	19	5	5	8831281	6946884.5	7451738	6993775	7357289.5	11277337	9322335	9111907	9897845	7491263	1	1.253
P35821	Ptpn1	Tyrosine-protein phosphatase non-receptor type 1 Mus musculus	319.23	16.67	49593	28	6	6	6173388.5	5347891	4585076	4436310	4585392	9503880	9353723	5869789	10449356	9905105	1	1.794
P70388	Rad50	DNA repair protein RAD50 Mus musculus	145.74	4.04	153488	95	3	3	333200.03	541811.75	367635.53	234294.31	470135.56	1004754.94	977638	609088.5	1059255.38	534848.56	1	2.150
Q60972	Rbbp4	Histone-binding protein RBBP4 Mus musculus	468.01	25.18	47656	17	8	4	26488242	37374774	32792418	41779562	34185850	26065344	23523012	24290522	23402696	31756994	1	0.748
Q60973	Rbbp7	Histone-binding protein RBBP7 Mus musculus	343.25	14.12	47790	18	6	2	25712496	35155530	29611270	38458202	31410148	23278300	20257718	21841530	21683934	29107108	1	0.724
Q9CQT2	Rbm7	RNA-binding protein 7 Mus musculus	51.68	6.79	30148	14	1	1	113290.78	218324.41	2	205126.56	135141.28	297043.19	287823.03	263382.25	295947.94	208024.02	1	2.013
Q498C8	Rer1	Protein RER1 Rattus norvegicus	50.41	5.61	22988	10	1	1	1423169.12	950261.31	954053.06	1064905.88	872243.94	216659.84	774178.12	936161.62	333749.56	597400.88	1	0.543
Q9D7S7	Rpl22l1	60S ribosomal protein L22-like 1 Mus musculus	313.79	45.08	14467	6	4	4	31242986	30091404	38768306	31085328	31636142	39824954	49189726	40651666	46805390	35102722	1	1.299
P50431	Shmt1	Serine hydroxymethyltransferase, cytosolic Mus musculus	285.11	12.55	52601	27	5	3	6311571	8750485	6068129	6880390.5	8443803	9290052	8644442	9018019	8868651	9322003	1	1.238
Q04692	Smarcacl1	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1 Mus musculus	132.98	2.94	116451	56	3	3	1303547	1224067	783459.31	350834.59	458194.78	1774198	2169132.75	1964922.5	1734560.25	1233806.75	1	2.154
Q61263	Soat1	Sterol O-acyltransferase 1 Mus musculus	240.35	10.56	63799	25	5	5	4406224	2973208	3564618.5	1800675.25	4428891	6398750	6201612	5838432.5	6164865.5	4410624.5	1	1.689
Q6ZWQ7	Spec3	Signal peptidase complex subunit 3 Mus musculus	47.2	6.11	20313	7	1	1	1250249.5	1181258.12	1154968	1376557.12	1212963.25	2163456.25	1713397	1475402.38	1459771.25	1314982.75	1	1.316
D4A208	Srgap2	SLIT-ROBO Rho GTPase-activating protein 2 Rattus norvegicus	375.76	6.91	120878	58	7	7	4558249	4084224.25	3907517.5	6070300	4629987.5	6891519	7431765	6487362	7802451	5470248	1	1.466
P84104	Srsf3	Serine/arginine-rich splicing factor 3 Mus musculus	285.07	31.71	19330	9	5	4	35770418	39939238	28566512	43552934	36416394	28315426	20165150	27909152	24518534	32833616	1	0.726
P42227	Stat3	Signal transducer and activator of transcription 3 Mus musculus	523.78	21.04	88054	48	10	10	4857059	5909594.5	6851490.5	5195044	5455526	7952652.5	7211648	6801409	7586299	7433926.5	1	1.308
Q9JH11	Stk4	Serine/threonine-protein kinase 4 Mus musculus	465.61	20.12	55541	31	8	4	7453871	11344855	13302545	10508458	11598650	14365415	14096444	14611475	12432806	15812197	1	1.316
P21958	Tap1	Antigen peptide transporter 1 Mus musculus	285.01	12.15	78864	34	5	5	1944819.25	1883087.75	2514397	1699573.12	1856767	3300437	2593511.5	3199553.25	3559128.5	2500817.75	1	1.531
Q8C4J7	Tbl3	Transducin beta-like protein 3 Mus musculus	210.11	4.99	88266	52	3	3	3163342	2578721.25	2927251.5	1642841.62	1459764.62	3759185.75	3331578	3419741	3192492	3052246	1	1.423
P35441	Thbs1	Thrombospondin-1 Mus musculus	41.89	0.6	129647	69	1	1	9623175	12527292	7505679.5	14171933	13968962	6048748	177462.53	6819303	2	7627271	1	0.358
Q9ET30	Tm9sf3	Transmembrane 9 superfamily member 3 Mus musculus	284.73	12.95	67545	22	6	6	6335848.5	3625887	7569221	5553267.5	1544285.25	7329294	9284441	8006471	9661518	9462875	1	1.776
Q9D883	U2af1	Splicing factor U2AF 35 kDa subunit Mus musculus	315.43	25.1	27815	12	5	5	15764136	15602806	15586027	15969074	14838641	15806663	20944170	19018630	18255956	16295175	1	1.162
P61087	Ubc2k	Ubiquitin-conjugating enzyme E2 K Mus musculus	421.2	53.5	22407	14	7	7	12666452	14290064	13655466	13882632	12918793	9906117	12306624	10959867	11018916	12745287	1	0.845
Q8R1H1	Uqcr10	Cytochrome b-c1 complex subunit 9 Mus musculus	50.56	10.94	7446	4	1	1	3101291.25	2438260	2835534.25	2	2196649	3086519.75	3159132.5	4032835.5	3178994.5	4152887.25	1	1.666
O54692	Zw10	Centromere/kinetochore protein zw10 homolog Mus musculus	251.03	9.88	88063	49	5	5	1520203	2221461.5	2020325.5	1419324.5	1411227.12	2167560	2687207.75	2725238.75	2939902.5	2449089.25	1	1.509
Q61102	Abcb7	ATP-binding cassette sub-family B member 7, mitochondrial Mus musculus	416.64	14.63	82581	41	7	7	2612625.75	2556420.75	2363883	1071032	2719355.25	2566626.75	4076319	4958743	5117031	4404667.5	2	1.865
P61222	Abce1	ATP-binding cassette sub-family E member 1 Mus musculus	1140.1	42.9	67314	36	20	20	31509980	35673002	35584106	38097530	34945694	35773298	37856970	38755950	39337186	38527358	2	1.082
Q91V92	Acly	ATP-citrate synthase Mus musculus	1758.01	31.81	119728	64	26	26	66102886	61729234	61909494	60426198	55157082	65098634	67714906	70287626	68622562	64424450	2	1.101
Q99K10	Aco2	Aconitate hydratase, mitochondrial Mus musculus	1608.92	41.54	85464	44	27	27	110291522	93250450	99393882	86583554	89815618	114050650	110445114	111556034	114306986	95015250	2	1.138
O89020	Afm	Afamin Mus musculus	42.71	1.15	69379	39	1	1	6109090	5970978	801745.44	9343105	6851619.5	659586.38	678794.69	575528.31	1305137.38	3681238.25	2	0.237
P29411	Ak3	GTP:AMP phosphotransferase AK3, mitochondrial Rattus norvegicus	41.23	7.93	25438	19	1	1	345015.84	374989.06	101674.95	160113.23	2	627605.31	439308.97	416986.22	400641.69	188086.25	2	2.111
O08715	Akap1	A-kinase anchor protein 1, mitochondrial Mus musculus	99.93	3.27	92195	39	2	2	427370.44	433212.28	405870.62	2	2	536645.44	476952.12	581041.62	421864.47	493520.78	2	1.982
P05063	Aldoc	Fructose-bisphosphate aldolase C Mus musculus	990.22	46.28	39395	24	17	8	289117026	224758498	256275714	229579778	269885634	299434242	302633058	282427522	284737506	305746658	2	1.162
O08739	Ampd3	AMP deaminase 3 Mus musculus	141.57	2.35	88652	42	3	3	1587035.38	1227862.5	1560579.12	392104.62	506087.25	1643366.12	1804054	1771271.75	1708954.25	1370576.12	2	1.574
B2RXR6	Ankr44	Serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit B Mus musculus	81.17	1.51	107385	49	1	1	957392.56	1115860.38	1204739.88	1416868.25	1132157.12	790989.75	817163.12	810395.31	1008190.44	1048291.75	2	0.768
P97822	Anp32c	Acidic leucine-rich nuclear phosphoprotein 32 family member E Mus musculus	589.8	30.38	29622	10	7	7	21962736	24678108	28632268	18881976	26902648	39628342	40152078	33845226	37601154	25071970	2	1.456
Q640N3	Arhgap30	Rho GTPase-activating protein 30 Mus musculus	291.71	5.09	120114	53	5	5	2316405.5	3099586.25	2810496	2041408.12	2065004.25	4219490.5	3969175.5	3775967	3736557.5	2654707.5	2	1.488
P29066	Arb1	Beta-arrestin-1 Rattus norvegicus	255.16	17.7	47020	23	6	5	13261312	13514177	14337696	11637642	12642642	6583938	8870781	9537157	12150281	11836303	2	0.749
Q91YH5	At13	Atlastin-3 Mus musculus	596.67	26.06	60575	31	12	12	9094140	11317891	11119210	10439399	10343383	12009627	12065932	12120125	11850877	10740710	2	1.124
Q9EPE9	Atp13a1	Manganese-transporting ATPase 13A1 Mus musculus	185.02	3.5	132388	61	3	3	6913365	5236949	4076179	6906656	4501025	2120671.75	3335573.75	4783028	3374645.75	2807265.25	2	0.594
Q64568	Atp2b3	Plasma membrane calcium-transporting ATPase 3 Rattus norvegicus	460.35	7.15	138559	63	8	2	4257241.5	4162521.75	4968706	5302600	4838084	4969454	6329680	5643950	5168655.5	5568291.5	2	1.176
P15791	Camk2d	Calcium/calmodulin-dependent protein kinase type II subunit delta Rattus norvegicus	304.22	14.45	60081	31	6	6	7907764.5	5995464.5	8686773	5127847.5	6703309	8719657	9169225	10515645	11836723	6829350.5	2	1.367
P80314	Cct2	T-complex protein 1 subunit beta Mus musculus	2533.16	71.96	57477	36	35	35	127843810	136972194	143661138	128805514	153406450	148714178	155487650	154256898	165313538	144301282	2	1.112
Q04899	Cdk18	Cyclin-dependent kinase 18 Mus musculus	185.5	7.54	51848	29	3	2	516445.78	353276.47	390968.78	400544	485667.94	522684.34	540690.25	589491.06	521839	449933.44	2	1.223

P49615	Cdk5	Cyclin-dependent-like kinase 5 Mus musculus	132.7	8.22	33288	22	3	2	680545.5	680672.56	835711.75	1203187.12	1481616	1831859.62	1463395.88	1343749	1728964.88	1563366.5	2	1.625
P04186	Cfb	Complement factor B Mus musculus	97.17	2.23	85004	44	1	1	1330468.38	2200169	1937150.5	2567506.25	2588774.25	1035513.88	1211777.12	1467024.25	1052223.75	1717177.12	2	0.610
Q8CGZ0	Cherp	Calcium homeostasis endoplasmic reticulum protein Mus musculus	91.76	2.03	106169	37	2	2	577421.06	371556.38	592369.69	720008.94	698955.62	797978.88	878097.88	689933.69	912912.31	1317922.25	2	1.553
Q8BRT1	Clasp2	CLIP-associating protein 2 Mus musculus	203.9	2.33	140739	84	3	3	1864146.75	1514936.38	1516503.88	835688.94	927734.38	1933549	1917678.12	1869755	1726543	1551958.88	2	1.351
Q5SU73	Coil	Coilin Mus musculus	51.87	1.75	61917	33	1	1	627844.5	804657.12	642574.75	869774.94	686217.5	521322.66	525707.06	532104.31	528739.88	652044.75	2	0.760
Q8K4Q8	Colec12	Collectin-12 Mus musculus	617.91	15.9	81304	42	11	11	34665274	32040670	32598036	33821790	29044058	25287684	30938828	28380092	25362760	30944514	2	0.869
Q06486	Csnk1d	Casein kinase I isoform delta Rattus norvegicus	90.57	3.37	47316	23	2	2	1305918.38	1168032.5	1253399.25	877310.38	1139652.5	1029981.38	1023234.25	840331.5	384141.94	392079.88	2	0.639
P43346	Dck	Deoxycytidine kinase Mus musculus	106.53	8.85	30367	16	2	2	2879032	2729412	3015544.75	2523723.5	2826456	2018657.25	1617010.25	2357088	2211480	2791835.5	2	0.787
O88455	Dhcr7	7-dehydrocholesterol reductase Mus musculus	117.23	7.64	53919	15	3	3	653120.44	2097325.5	1698145.5	978680.88	437897.47	2261394.75	3043538.25	1956743.12	2779968.5	1915646.25	2	2.039
P42125	Eci1	Enoyl-CoA delta isomerase 1, mitochondrial Mus musculus	239.95	18.69	32250	18	3	3	4917457	4546292	3644506.5	5110932	4108448.75	3926128.75	2668667	4076871	2772159.75	2418035	2	0.710
Q9JLJ5	Elov11	Elongation of very long chain fatty acids protein 1 Mus musculus	92.7	7.53	32678	7	2	2	2	249803	453621.66	164139.02	159001.8	202941.64	652866.88	589951.38	769896.38	625918.19	2	2.768
Q9DC16	Ergic1	Endoplasmic reticulum-Golgi intermediate compartment protein 1 Mus musculus	174.21	13.1	32562	13	4	4	4933161	5063801	3857378	7082477	4934962	8886270	7241681	5550293.5	6430819.5	7379314	2	1.372
Q8BH61	F13a1	Coagulation factor XIII A chain Mus musculus	481.3	17.62	83207	40	10	10	12713785	14438147	16586802	20758682	15574948	10312582	9950060	10394631	12150173	15434167	2	0.727
Q08879	Fbln1	Fibulin-1 Mus musculus	81.78	2.7	78033	35	2	2	2710087.5	6079278	3334983	10005650	6245240.5	1280832.88	1809219	2094357.5	1541725	5801299	2	0.441
Q8K1B8	Fermt3	Fermitin family homolog 3 Mus musculus	1802.91	57.29	75635	41	28	28	97356986	97559298	116614802	101618290	99615690	114727458	130351458	133925970	102086162	2	1.174	
P84817	Fis1	Mitochondrial fission 1 protein Rattus norvegicus	251.57	25.66	16995	8	3	3	1330154.25	1862386.5	1978003.25	1624007.62	2071634.75	2598699	2840973.25	2254934	2273720.75	1889653.62	2	1.337
Q8CI11	Gnl3	Guanine nucleotide-binding protein-like 3 Mus musculus	549.26	27.14	60786	35	10	10	9759252	7726326	8583166	5977806	8191641.5	9530458	11358549	10142332	10422926	9016865	2	1.254
P23385	Grm1	Metabotropic glutamate receptor 1 Rattus norvegicus	38.59	0.58	133236	59	1	1	147774.77	455549.31	464403.31	2	2	565560.38	449324.69	526823.31	547163.56	927741.38	2	2.825
Q2NL51	Gsk3a	Glycogen synthase kinase-3 alpha Mus musculus	154.03	8.16	51661	22	3	3	1609456	1978617.25	2147779	2117496	2381286.25	2306083	3088340.75	2292446.75	2751818	2631235.75	2	1.277
P18266	Gsk3b	Glycogen synthase kinase-3 beta Rattus norvegicus	63.4	10.24	46742	25	2	2	1953754.88	1907790.5	1832928.38	1396375.38	1505126.5	2048422.75	2549463.25	1845060	2294883.5	2325296	2	1.287
Q9D0E1	Hnrnpm	Heterogeneous nuclear ribonucleoprotein M Mus musculus	2051.8	53.5	77649	55	34	34	156367938	173828882	163489170	193025906	187974434	129909218	167166082	153578978	149163730	148497090	2	0.856
P48722	Hspa4l	Heat shock 70 kDa protein 4L Mus musculus	229.89	6.44	94382	61	4	2	11495839	12815692	13208100	13010717	11893422	3340389.75	4836268.5	5403438	11945521	4228107	2	0.477
Q9D6R2	Idh3a	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial Mus musculus	787.3	41.53	39639	22	15	15	48030758	43530062	47437706	40414022	46436410	53263098	50484822	51381302	51198314	47172382	2	1.122
Q66HG8	Ik	Protein Red Rattus norvegicus	36.99	1.62	65588	29	1	1	1032702.75	1046691.38	811024.12	1290336.88	730853.81	2	620172.69	601882.81	561779.62	890050.38	2	0.544
P49442	Inpp1	Inositol polyphosphate 1-phosphatase Mus musculus	149.14	8.08	43346	22	3	3	2615160	3345183	2645323.5	3919099	3646324.75	2417342	2377560.5	1392480.25	2702105.75	2404312.75	2	0.698
P09055	Itgb1	Integrin beta-1 Mus musculus	707.21	25.56	88231	39	15	15	26048684	20075000	20959792	15950082	15900982	28417394	29859552	27114482	24227158	24322408	2	1.354
Q9JH15	Ivd	Isovaleryl-CoA dehydrogenase, mitochondrial Mus musculus	113.18	5.66	46325	24	2	2	4521886.5	3538390	2690663	4428665	3125444	1833469.62	2685958.25	2589230.75	2467954	3250492.5	2	0.701
Q9JHP7	Kdelc1	KDEL motif-containing protein 1 Mus musculus	137.57	6.37	57985	34	3	3	724537.12	1167636	376809.69	1133518.62	1368897.5	1374113.62	1810669	1343952.88	1667222.25	1269131.75	2	1.565
Q64281	Lilrb4	Leukocyte immunoglobulin-like receptor subfamily B member 4 Mus musculus	158.06	8.66	37544	14	2	2	4344926	4550749.5	3170981.5	4137593	4774773	4663877	4827726	5613646	4749553.5	5172576.5	2	1.193
Q8BLN5	Lss	Lanosterol synthase Mus musculus	107.93	3.68	83141	38	2	2	897589.25	2	2	758019.81	791682.56	949586.94	880229.81	987601.69	1081671.62	2	2.833	
P27046	Man2a1	Alpha-mannosidase 2 Mus musculus	99.05	2	131631	63	2	2	881466.75	457983.31	978867.25	209306.59	620791.69	1278090.75	1366414.62	1263664.12	1384380.62	867030.38	2	1.956
Q61881	Mcm7	DNA replication licensing factor MCM7 Mus musculus	1162.48	38.94	81211	46	20	20	32743730	27580110	29226106	30527368	32424024	35690286	33982790	37046266	33677498	32408190	2	1.133
O08663	Metap2	Methionine aminopeptidase 2 Mus musculus	316.1	21.34	52922	30	6	6	5178564.5	5977514.5	6283527	8044468	5319395.5	5130139	4531281	3822601	4684270.5	5706681	2	0.775
Q9CPU4	Mgst3	Microsomal glutathione S-transferase 3 Mus musculus	258.97	40.52	16958	8	4	4	7873492	7880627	8046956	9220039	8375416	8657994	10741340	10621078	10122728	8517679	2	1.175
Q5XII9	Mtfr11	Mitochondrial fission regulator 1-like Rattus norvegicus	45.34	5.88	31730	14	1	1	509497.31	554993.56	398022	2	2	456048	583803.38	810126.94	614343.06	569733.94	2	2.075
Q9WTT7	Myo1c	Unconventional myosin-1c Mus musculus	1087.13	22.58	121944	66	19	19	9883396	6057992	11036078	5059042	12361702	13564427	12425588	13363825	13350816	10660329	2	1.427
Q6DKG0	Naa35	N-alpha-acetyltransferase 35, NatC auxiliary subunit Rattus norvegicus	63.91	1.52	83210	42	1	2	142203.73	157636.97	2	2	143040.36	267326.28	147245.55	190247.8	177464.3	2	3.086	
Q9D6J6	Ndufv2	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial Mus musculus	42.17	4.03	27285	15	1	1	31219.55	558906.19	537797	426907.88	347713.72	532919.06	924613.25	641684.69	922183.56	901998.5	2	2.062
P47245	Nrdc	Nardilysin Rattus norvegicus	484.72	12.06	132976	62	11	11	16209934	7184838	9914653	9984666	9546032	6473556.5	5769993	6904788	7426557.5	7628062	2	0.647
Q1HFZ0	Nsun2	tRNA (cytosine(34)-C(5))-methyltransferase Mus musculus	383.39	13.34	85452	46	7	7	6960729	7740451	7433348	6655330.5	6510922	9321648	7852841.5	8045272	7763622	7003990	2	1.133
Q9JKX6	Nudt5	ADP-sugar pyrophosphatase Mus musculus	301.01	43.12	23984	13	6	6	8595753	11686397	10142006	9009770	10217421	10277382	11137214	11937042	11949291	12357907	2	1.161
P49793	Nup98	Nuclear pore complex protein Nup98-Nup96 Rattus norvegicus	338.02	4.3	197283	84	6	2	3153648	3200335.5	3704255	3453854.5	3186222.5	3918322	3642897	3462252.75	3952029.75	3908748.5	2	1.131
P11103	Parp1	Poly [ADP-ribose] polymerase 1 Mus musculus	1010.12	22.31	113100	61	16	3	33654198	29450014	30741170	28525056	30586072	35546102	38463654	35011774	32367150	31906450	2	1.133
Q6NS46	Pdcd11	Protein RRP5 homolog Mus musculus	652.59	8.43	207779	115	12	12	28488196	12330774	14281151	14792032	11950502	9222792	11505609	9706899	9291402	12661470	2	0.640
P08003	Pdia4	Protein disulfide-isomerase A4 Mus musculus	2023.13	50.31	71982	42	33	33	125582730	131723234	131073266	144485474	140080194	149166242	143848642	157193922	149888146	141509698	2	1.102
P47860	Plfk																			

Q9CR16	Ppid	Peptidyl-prolyl cis-trans isomerase D Mus musculus	639.14	36.49	40743	25	13	13	41659698	32369042	50393834	41306438	49812406	55773414	51566550	56272590	51201102	45523994	2	1.208
Q6ZQB6	Ppip5k2	Inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2 Mus musculus	207.16	4.07	128427	72	4	4	577270.69	390519.75	395385.25	970595.25	939823.12	1840406.88	2158931.25	822645.31	1498165.38	1158386.25	2	2.285
P20108	Prdx3	Thioredoxin-dependent peroxide reductase, mitochondrial Mus musculus	386.69	36.19	28127	17	7	7	32942820	30321690	28302958	33121884	30182784	37041546	39677290	38181834	41153246	31263130	2	1.209
P68181	Prkacb	cAMP-dependent protein kinase catalytic subunit beta Mus musculus	376.41	25.64	40708	20	7	2	20101618	21031966	18898694	19041638	14261367	20408674	24269236	20940210	21781068	21054970	2	1.162
Q9DBC7	Prkar1a	cAMP-dependent protein kinase type I-alpha regulatory subunit Mus musculus	538.65	29.13	43185	21	10	10	21150506	19031328	20981612	21430220	16478850	14332290	17360510	13443422	15855804	16549196	2	0.783
Q99JF8	Psip1	PC4 and SFRS1-interacting protein Mus musculus	255.63	10.98	59697	34	5	5	7646719	5772782	7304592	5818044.5	6899214.5	5739548.5	6690928.5	5712672	5247538.5	2559772.75	2	0.776
P46471	Psme2	26S proteasome regulatory subunit 7 Mus musculus	956.74	42.03	48648	32	16	16	25161100	27779068	26059406	24639774	25546878	29829804	29318580	31066590	30635874	25864744	2	1.136
P61290	Psme3	Proteasome activator complex subunit 3 Mus musculus	651.74	31.5	29506	16	10	10	27266928	24039594	25530166	17153522	15764324	29010706	24499090	31343586	28875918	27368258	2	1.286
P17225	Pthp1	Polypyrimidine tract-binding protein 1 Mus musculus	1175.92	51.8	56478	22	15	3	55977226	48075662	42085458	52589486	46571142	28962090	46997022	36929962	38279518	36427630	2	0.765
Q8BV14	Qdpr	Dihydropteridine reductase Mus musculus	395.54	47.72	25570	17	7	7	17848862	11184302	13028856	10676687	11635312	10769822	10215582	10818318	10315658	9716451	2	0.805
Q5FVM3	Retreg1	Retinoid metabolism regulator 1 Rattus norvegicus	100.57	4.79	52782	23	2	2	1096854.62	1293805.88	3189039.5	8271260.06	788329.69	3280777.5	3674075	3298156	3953124.5	1221312	2	2.146
Q9WUK4	Rfc2	Replication factor C subunit 2 Mus musculus	80.96	4.87	38725	25	2	2	7796813	6072112.5	5900853.5	4796434	4840056	2540301.25	4484789	5404617.5	4434563.5	3971381.25	2	0.709
Q9CQE5	Rgs10	Regulator of G-protein signaling 10 Mus musculus	65.62	9.39	21151	10	1	1	367572.75	337844.38	332319.97	487595.31	499160.75	166613.34	302329.94	309407.88	272738.41	340797.94	2	0.688
Q5DTM8	Rnf20	E3 ubiquitin-protein ligase BRE1A Mus musculus	145.76	4.21	113520	66	2	2	208123.12	549306.06	570316.75	227800.34	202045.84	431804	1340456.25	1019358.5	888939.38	1038936.5	2	2.685
Q91V17	Rnh1	Ribonuclease inhibitor Mus musculus	2196.7	85.96	49816	27	26	26	119746578	117752602	102600874	120257106	105134666	101125922	98078690	102553850	100984322	109114362	2	0.905
P60603	Romo1	Reactive oxygen species modulator 1 Mus musculus	68.71	21.52	8183	4	1	1	1085768.12	1096756.25	1224123.12	1058385.62	1356973	1154340.75	1594804.88	1484437.25	1796057	1547769.38	2	1.302
Q9CQ71	Rpa3	Replication protein A 14 kDa subunit Mus musculus	238.23	51.24	13584	9	4	4	3075262.25	2460620.5	1729438.38	2619754.25	1871984	4114644.25	3055567.75	2979974.25	3772694.5	3318948.5	2	1.467
P61314	Rpl15	60S ribosomal protein L15 Rattus norvegicus	828.49	53.92	24146	14	16	16	126769210	92650018	162411874	61326406	104152650	183126818	222425586	205609282	233231602	111196930	2	1.746
P62717	Rpl18a	60S ribosomal protein L18a Mus musculus	427.4	44.89	20732	13	9	9	95099882	62016394	81118954	66292822	87760034	110767250	102155034	97639946	107839306	81904442	2	1.275
P47915	Rpl29	60S ribosomal protein L29 Mus musculus	150.12	16.88	17587	6	4	4	59171782	30871740	40866678	24416832	39839746	65266094	65651954	69026898	42437646	43076290	2	1.463
Q9D1R9	Rpl34	60S ribosomal protein L34 Mus musculus	226.42	29.06	13293	6	5	5	35191502	16088984	25409758	18719596	19159814	48527138	38995242	47891598	44105386	22474550	2	1.763
P12970	Rpl7a	60S ribosomal protein L7a Mus musculus	1087.08	52.26	29977	14	18	18	117315730	95617722	98626466	102276994	97726658	125271562	107611522	144447586	119250554	108983394	2	1.184
Q9D8M4	Rpl7l1	60S ribosomal protein L7-like 1 Mus musculus	207.9	24.39	28544	16	4	4	3161743.75	2893557	3827653.25	3668496	4051144.75	3685549.5	5209538	5871449	5913833.5	5041120	2	1.461
P11157	Rrm2	Ribonucleoside-diphosphate reductase subunit M2 Mus musculus	452.82	27.44	45096	26	7	7	6736525	7712485.5	9194523	8953688	8625942	5541106	6203438.5	6788929.5	5942230	7246791.5	2	0.770
Q9R1T2	Sae1	SUMO-activating enzyme subunit 1 Mus musculus	573.01	26.86	38620	24	9	9	17956362	22488630	20965188	27157374	18316460	14312581	16483731	17668036	15210668	19118622	2	0.775
P42667	Sec11a	Signal peptidase complex catalytic subunit SEC11A Rattus norvegicus	50.45	6.7	20599	12	1	1	1404858.12	1326307.5	1059777.62	2	238690.48	1541464.5	1529962.62	1372049.38	1371890.88	1467162.25	2	1.807
O08547	Sec22b	Vesicle-trafficking protein SEC22b Mus musculus	286.61	28.84	24741	14	5	5	10928428	14928761	13852079	19014590	11611429	3338819	10545361	8955787	8538182	12430016	2	0.623
Q8R0X7	Sgpl1	Sphingosine-1-phosphate lyase 1 Mus musculus	432.94	19.37	63677	33	8	8	7432919	6359406	6193375.5	5437049	4349819	7816083.5	7680836	7026546	7437921.5	6627155.5	2	1.229
P10852	Slc3a2	4F2 cell-surface antigen heavy chain Mus musculus	684.55	29.85	58337	31	12	12	35131462	29372648	33723910	32223974	31917886	35825746	35675766	32976712	37554690	36191902	2	1.098
O70551	Srpkl1	SRSF protein kinase 1 Mus musculus	544.63	20.52	73088	33	9	9	7640267	7949922.5	8513784	8951434	8041708.5	8707345	10177632	8877538	11035455	10207383	2	1.192
Q64324	Stxbp2	Syntaxin-binding protein 2 Mus musculus	968.01	36.26	66357	40	16	16	18996108	11398590	17726694	11939924	12762601	19018550	22763210	21514170	22461676	16686276	2	1.407
Q6A028	Swap70	Switch-associated protein 70 Mus musculus	702.07	27.01	68996	41	14	14	20340666	12146770	14668468	13444586	16743932	19397664	20541300	21427772	19798226	20452578	2	1.314
Q53UA7	Taok3	Serine/threonine-protein kinase TAO3 Rattus norvegicus	84.99	2.34	105474	50	2	2	2485180	2384716.25	2497754.25	3922933.75	2219340	2004217	1742367.38	2424128	1714864.88	2119499.75	2	0.741
P36371	Tap2	Antigen peptide transporter 2 Mus musculus	284.82	9.4	77445	35	5	5	2132113	2500811.75	2584777.5	1387630.88	1609251.62	2830498.5	3620748.25	2352919	3480439	2840498	2	1.481
P04184	Tk1	Thymidine kinase, cytosolic Mus musculus	250.66	24.89	25776	15	5	5	7086318.5	8309176	7564120.5	7012135	7669181	5430301	6170170	5835424.5	5419239	7292581	2	0.801
P26039	Tln1	Talin-1 Mus musculus	7562.97	60.92	269821	153	107	107	489147490	388984898	416562274	374639618	423618850	491048610	483254658	489155682	505126402	444879874	2	1.153
Q9QUN7	Tlr2	Toll-like receptor 2 Mus musculus	243.1	9.31	89449	36	5	5	840128.25	3041646.25	3941299	2751769.5	2680345	3293242.5	3406799	3979412.5	4213930	4223591	2	1.442
Q63584	Tmed10	Transmembrane emp24 domain-containing protein 10 Rattus norvegicus	480.03	25.57	24858	10	7	7	41505830	44608726	44039926	41271534	37238258	42438786	52472902	45963114	48234530	47442954	2	1.134
P09495	Tpm4	Tropomyosin alpha-4 chain Rattus norvegicus	820.98	37.9	28510	21	14	0	163723842	144634466	128235170	126418850	143287218	132695058	111356090	123482234	112299842	88653106	2	0.805
Q5SWD9	Tsr1	Pre-rRNA-processing protein TSR1 homolog Mus musculus	227.51	7.85	92105	34	5	5	3097611.5	2478706.25	2971129.5	2484241.5	3032785.5	5701728.5	5923961	5058598	5644367	3026076.25	2	1.803
F1LSG8	Vps50	Syndetin Rattus norvegicus	142.95	2.7	111188	58	2	2	755559.44	555831.44	492935.75	2	2	1041985.12	746325.5	1139489	782446.38	627307.88	2	2.404
Q4VBE8	Wdr18	WD repeat-containing protein 18 Mus musculus	95.96	6.5	47211	20	2	2	2	863810.06	1119178.88	2	858901.56	1240845	2094199.88	1358585.75	958064.44	938918.19	2	2.319
Q9DB43	Zfp11	Zinc finger protein-like 1 Mus musculus	50.87	3.87	34155	15	1	1	302788.84	2	321111.41	214292.67	2	354650.81	488824.59	482189.66	477767.38	276516.06	2	2.481