

Table S3. Mass spectrometry: Enrichment over non-specific host background

Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8
#	Identified Proteins (247)	Accession Number	Molecular W (A)	Mock+αORF46	(B) Infected+IgG	(C) Infected+αORF46	C/A
11	Thymidine kinase OS=Murid herpesvirus 4 OX=33708 GN=GAMM O41940		72 kDa	2	255	217	108.5
15	DNA polymerase OS=Murid herpesvirus 4 OX=33708 GN=GAMM/ O41930		116 kDa	3	72	246	82
8	Major capsid protein OS=Murid herpesvirus 4 OX=33708 GN=GAM O41943		153 kDa	5	311	337	67.4
49	Unconventional myosin-Va OS=Mus musculus OX=10090 GN=My D3YZ62 (+2)		212 kDa	0	74	66	66
112	Uracil-DNA glycosylase OS=Murid herpesvirus 4 OX=33708 GN=B P88984		28 kDa	0	1	64	64
53	75b OS=Murid herpesvirus 4 OX=33708 GN=GAMMAHV. ORF75b I041977		142 kDa	0	75	61	61
65	62 protein OS=Murid herpesvirus 4 OX=33708 GN=62 PE=4 SV=1 Q9QA12		37 kDa	0	44	60	60
63	Envelope glycoprotein B OS=Murid herpesvirus 4 OX=33708 GN=C Q98336		97 kDa	0	53	51	51
77	65 protein OS=Murid herpesvirus 4 OX=33708 GN=GAMMAHV.M I041966		20 kDa	1	36	49	49
79	Large tegument protein denedylase OS=Murid herpesvirus 4 OX= O41965		274 kDa	0	40	49	49
89	Drebrin OS=Mus musculus OX=10090 GN=Dbn1 PE=1 SV=1 A0A0R4J1E3		73 kDa	1	42	38	38
36	59 protein OS=Murid herpesvirus 4 OX=33708 GN=BALF3 (provisi P88996		42 kDa	3	52	108	36
97	Ribonucleoside-diphosphate reductase large subunit OS=Murid h O41962		88 kDa	1	39	36	36
48	Unconventional myosin-Ib OS=Mus musculus OX=10090 GN=Myo P46735 (+1)		129 kDa	2	69	66	33
104	Protein phosphatase 1 regulatory subunit 12A OS=Mus musculus Q9DBR7		115 kDa	0	41	32	32
138	Capsid scaffolding protein OS=Murid herpesvirus 4 OX=33708 GN O41936		59 kDa	1	23	31	31
111	Unconventional myosin-6 OS=Mus musculus OX=10090 GN=Myo E9PVU0 (+1)		146 kDa	0	39	30	30
134	Phostensin OS=Mus musculus OX=10090 GN=Ppp1r18 PE=1 SV=1 Q8BQ30		66 kDa	1	27	29	29
146	4 protein OS=Murid herpesvirus 4 OX=33708 GN=GAMMAHV. ORF O41927		42 kDa	0	23	26	26
171	Nuclear egress protein 1 OS=Murid herpesvirus 4 OX=33708 GN= O41970		33 kDa	0	19	26	26
69	M3 OS=Murid herpesvirus 4 OX=33708 GN=GAMMAHV.M3 PE=1 O41925		44 kDa	2	45	50	25
145	Nexilin OS=Mus musculus OX=10090 GN=Nexn PE=1 SV=1 A0A0G2JFD8		64 kDa	1	28	23	23
152	Leucine zipper protein 1 OS=Mus musculus OX=10090 GN=Luzp1 Q8R4U7		119 kDa	0	27	23	23
163	Pericentriolar material 1 protein OS=Mus musculus OX=10090 G Q9R0L6		229 kDa	0	28	22	22
84	Triplex capsid protein 2 OS=Murid herpesvirus 4 OX=33708 GN=B P88980		33 kDa	2	38	43	21.5
187	63 protein OS=Murid herpesvirus 4 OX=33708 GN=63 PE=4 SV=1 Q9QA11		103 kDa	0	18	21	21
203	11 protein OS=Murid herpesvirus 4 OX=33708 GN=GAMMAHV. OF O41932		43 kDa	0	15	21	21
164	Capsid vertex component 2 OS=Murid herpesvirus 4 OX=33708 G O41938		58 kDa	0	24	20	20
170	23 protein OS=Murid herpesvirus 4 OX=33708 GN=GAMMAHV. OF O41941		43 kDa	0	24	20	20
177	Tight junction protein ZO-2 OS=Mus musculus OX=10090 GN=Tjp A0A3B2WBH9 (+2)		131 kDa	0	22	20	20
83	Protein flightless-1 homolog OS=Mus musculus OX=10090 GN=Fl Q9JJ28		145 kDa	2	48	38	19
202	Supervillin OS=Mus musculus OX=10090 GN=Svil PE=1 SV=1 A0A1B0GS91		253 kDa	0	15	19	19
107	Src substrate cactactin OS=Mus musculus OX=10090 GN=Cttn PE= Q60598		61 kDa	2	29	35	17.5
205	Rac GTPase-activating protein 1 OS=Mus musculus OX=10090 G Q9WVM1		70 kDa	1	18	17	17
17	75c OS=Murid herpesvirus 4 OX=33708 GN=GAMMAHV. ORF75c F O41976		146 kDa	7	159	118	16.8571429
43	LIM domain and actin-binding protein 1 OS=Mus musculus OX=1C Q9ER20		84 kDa	4	82	66	16.5
192	Major DNA-binding protein OS=Murid herpesvirus 4 OX=33708 G O41928		123 kDa	0	19	15	15
184	Myo18a protein OS=Mus musculus OX=10090 GN=Myo18a PE=1 !B2RRE2 (+3)		232 kDa	0	25	14	14
206	Kinesin-like protein KIF23 OS=Mus musculus OX=10090 GN=Kif23 E9Q5G3		109 kDa	0	19	14	14
209	Kelch-like ECH-associated protein 1 OS=Mus musculus OX=10090 A0A1L1S510		69 kDa	0	17	14	14
162	Nucleolar and coiled-body phosphoprotein 1 (Fragment) OS=Mus A0A286YDV7 (+1)		74 kDa	2	22	24	12
204	Myosin phosphatase Rho-interacting protein OS=Mus musculus C P97434		116 kDa	0	27	12	12
208	Epidermal growth factor receptor kinase substrate 8 OS=Mus mu Q08509		92 kDa	0	17	12	12
216	Unconventional myosin-Id OS=Mus musculus OX=10090 GN=Myo Q5SYD0		116 kDa	0	17	10	10
234	Unconventional myosin-le OS=Mus musculus OX=10090 GN=Myo E9Q634		127 kDa	0	17	10	10
68	Tropomodulin-3 OS=Mus musculus OX=10090 GN=Tmod3 PE=1 S Q9JIH0		40 kDa	5	49	49	9.8
3	Myosin-10 OS=Mus musculus OX=10090 GN=Myh10 PE=1 SV=1 Q3UH59 (+1)		233 kDa	69	719	629	9.11594203
27	Unconventional myosin-Ic OS=Mus musculus OX=10090 GN=Myo Q9W7I7		122 kDa	13	110	110	8.46153846
24	Myosin, light chain 12A, regulatory, non-sarcomeric OS=Mus mu Q6ZWQ9		20 kDa	15	109	117	7.8
1	Myosin-9 OS=Mus musculus OX=10090 GN=Myh9 PE=1 SV=4 Q8VDD5		226 kDa	229	2117	1774	7.74672489
155	Coronin-1C OS=Mus musculus OX=10090 GN=Coro1c PE=1 SV=2 Q9WUM4		53 kDa	3	23	21	7
2	Actin, cytoplasmic 1 OS=Mus musculus OX=10090 GN=Actb PE=1 P60710		42 kDa	159	1079	1093	6.87421384
74	F-actin-capping protein subunit alpha OS=Mus musculus OX=100 Q5RKN9		33 kDa	6	45	40	6.66666667
226	Structural maintenance of chromosomes protein 1A OS=Mus mu Q9CQ62		143 kDa	1	17	6	6
9	Filamin-B OS=Mus musculus OX=10090 GN=Flnb PE=1 SV=3 Q80X90		278 kDa	38	255	221	5.81578947
5	Plectin OS=Mus musculus OX=10090 GN=Plec PE=1 SV=3 Q9QXS1		534 kDa	65	396	374	5.75384615
70	Lamina-associated polypeptide 2, isoforms alpha/zeta OS=Mus n Q61033		75 kDa	8	45	42	5.25
75	F-actin-capping protein subunit alpha-2 OS=Mus musculus OX=1C P47754		33 kDa	8	42	40	5
191	Actin-related protein 2 OS=Mus musculus OX=10090 GN=Actr2 PI P61161		45 kDa	4	18	20	5
31	Tropomyosin beta chain OS=Bos taurus OX=9913 GN=TPM2 PE=2 Cont_ Q5KR48		33 kDa	21	96	104	4.95238095
16	Tropomyosin alpha-1 chain OS=Mus musculus OX=10090 GN=Tpr Q8BSH3		33 kDa	30	142	148	4.93333333
56	F-actin-capping protein subunit beta OS=Mus musculus OX=1009 A2AMW0		29 kDa	11	57	54	4.90909091
4	Actin, aortic smooth muscle OS=Mus musculus OX=10090 GN=Ac P62737		42 kDa	115	493	549	4.77391304
34	Tropomyosin 3, related sequence 7 OS=Mus musculus OX=10090 D3Z2H9		29 kDa	23	82	105	4.56521739
165	Actin-related protein 2/3 complex subunit OS=Mus musculus OX- Q91Z25 (+1)		41 kDa	4	25	17	4.25
101	Heterogeneous nuclear ribonucleoprotein M OS=Mus musculus O Q9D0E1		78 kDa	9	33	36	4
103	Tight junction protein ZO-1 OS=Mus musculus OX=10090 GN=B9EHJ3		189 kDa	7	38	28	4
229	Pleckstrin homology-like domain family B member 2 (Fragment) D3Z069		127 kDa	0	19	4	4
128	Actin-related protein 2/3 complex subunit 2 OS=Mus musculus O Q9CVB6		34 kDa	6	29	23	3.83333333
87	Actin-related protein 3 OS=Mus musculus OX=10090 GN=Actr3 PI Q99JY9		47 kDa	10	38	37	3.7
13	Caldesmon 1 OS=Mus musculus OX=10090 GN=Cald1 PE=1 SV=1 Q8VCQ8		60 kDa	59	164	202	3.42372881
57	Gelsolin OS=Mus musculus OX=10090 GN=Gsn PE=1 SV=3 P13020		86 kDa	15	52	51	3.4
55	Myosin light polypeptide 6 OS=Mus musculus OX=10090 GN=My I A0A1W2P6F6 (+2)		17 kDa	16	53	53	3.3125
67	Probable ATP-dependent RNA helicase DDX5 OS=Mus musculus C Q61656 (+1)		69 kDa	14	38	45	3.21428571
130	Nucleolar RNA helicase 2 OS=Mus musculus OX=10090 GN=Ddx2 Q9JJK5		94 kDa	9	24	27	3
225	Dedicator of cytokinesis protein 7 OS=Mus musculus OX=10090 GA0A0U1RNK7 (+4)		238 kDa	2	16	6	3
	1 (=C/A) at least 3 times in infected compared to the mock						
44	Tropomyosin alpha-4 chain OS=Mus musculus OX=10090 GN=Tpr Q6IRU2		28 kDa	26	61	73	2.80769231
6	Filamin, alpha OS=Mus musculus OX=10090 GN=Flna PE=1 SV=1 B7FAU9 (+1)		280 kDa	119	361	325	2.73109244

71	Fascin OS=Mus musculus OX=10090 GN=Fscn1 PE=1 SV=4	Q61553	55 kDa	14	38	38	2.71428571
175	AP-2 complex subunit mu OS=Mus musculus OX=10090 GN=Ap2r P84091 (+1)		50 kDa	6	20	16	2.66666667
156	Coatomer subunit beta' OS=Mus musculus OX=10090 GN=Copb2 O55029		102 kDa	8	21	19	2.375
95	60S ribosomal protein L4 OS=Mus musculus OX=10090 GN=Rpl4 Q9D8E6		47 kDa	16	20	36	2.25
247	Titin OS=Mus musculus OX=10090 GN=Ttn PE=1 SV=1	A2ASS6-DECOY	?	5	9	11	2.2
52	Coatomer subunit alpha OS=Mus musculus OX=10090 GN=Copa F8WHHL2 (+1)		139 kDa	25	61	51	2.04
189	CAD protein OS=Mus musculus OX=10090 GN=Cad PE=1 SV=1	B2RQC6 (+1)	243 kDa	6	19	12	2
198	ATP-dependent RNA helicase DDX1 OS=Mus musculus OX=10090 Q91VR5		83 kDa	6	17	12	2
93	ATP-dependent RNA helicase DDX3X OS=Mus musculus OX=1009 Q62167		73 kDa	15	31	29	1.93333333
147	Helix-destabilizing protein OS=Mus musculus OX=10090 GN=Hnrr Q5EBP8		39 kDa	12	14	23	1.91666667
157	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit P62137		38 kDa	10	17	19	1.9
26	Alpha-actinin-4 OS=Mus musculus OX=10090 GN=Actn4 PE=1 SV:P57780		105 kDa	49	104	90	1.83673469
114	60S ribosomal protein L6 OS=Mus musculus OX=10090 GN=Rpl6 P47911		34 kDa	14	22	25	1.78571429
22	Spectrin alpha chain, non-erythrocytic 1 OS=Mus musculus OX=10090 Q1P6546		285 kDa	51	128	91	1.78431373
33	Spectrin beta chain, non-erythrocytic 1 OS=Mus musculus OX=10090 Q62261		274 kDa	40	102	71	1.775
127	E3 ubiquitin-protein ligase NEDD4 OS=Mus musculus OX=10090 P46935		103 kDa	13	22	23	1.76923077
90	40S ribosomal protein S3a OS=Mus musculus OX=10090 GN=Rps P97351		30 kDa	21	28	36	1.71428571
196	Growth factor receptor-bound protein 10 OS=Mus musculus OX=10090 Q60760		71 kDa	7	17	12	1.71428571
38	Basement membrane-specific heparan sulfate proteoglycan core E9PZ16		470 kDa	33	76	56	1.6969697
37	Alpha actinin 1a OS=Mus musculus OX=10090 GN=Actn1 PE=1 SV:A1BN54 (+1)		103 kDa	41	63	66	1.6097561
72	Polyadenylate-binding protein 1 OS=Mus musculus OX=10090 GNP29341		71 kDa	20	41	32	1.6
185	RNA-splicing ligase RtcB homolog OS=Mus musculus OX=10090 Q99LF4		55 kDa	7	18	11	1.57142857
115	60S ribosomal protein L3 OS=Mus musculus OX=10090 GN=Rpl3 P27659		46 kDa	17	20	26	1.52941176
124	Heterogeneous nuclear ribonucleoprotein F OS=Mus musculus OX=10090 Q9Z2X1		46 kDa	14	26	21	1.5
122	60S ribosomal protein L7 OS=Mus musculus OX=10090 GN=Rpl7 P14148		31 kDa	20	17	27	1.35
12	Fibronectin OS=Mus musculus OX=10090 GN=Fn1 PE=1 SV=1	A0A087WR50 (+1)	263 kDa	114	172	152	1.33333333
136	40S ribosomal protein S2 OS=Mus musculus OX=10090 GN=Rps2 P25444		31 kDa	15	18	20	1.33333333
92	Collagen alpha-1(I) chain OS=Mus musculus OX=10090 GN=Col1a P11087		138 kDa	19	32	25	1.31578947
129	Y-box-binding protein 1 OS=Mus musculus OX=10090 GN=Ybx1 P162960		36 kDa	17	20	21	1.23529412
25	Heat shock protein HSP 90-beta OS=Mus musculus OX=10090 GN P11499		83 kDa	67	100	78	1.1641791
81	40S ribosomal protein S4, X isoform OS=Mus musculus OX=10090 P62702		30 kDa	25	26	29	1.16
105	Eukaryotic initiation factor 4A-I OS=Mus musculus OX=10090 GN:P60843		46 kDa	20	25	23	1.15
30	Tubulin beta-5 chain OS=Mus musculus OX=10090 GN=Tubb5 PE:P99024		50 kDa	65	86	71	1.09230769
60	Myb-binding protein 1A OS=Mus musculus OX=10090 GN=Mybbp Q7TPV4		152 kDa	33	44	36	1.09090909
99	RNA helicase OS=Mus musculus OX=10090 GN=Ddx17 PE=1 SV=1 Q3U741		73 kDa	23	25	25	1.08695652
88	Elongation factor 1-gamma OS=Mus musculus OX=10090 GN=Eef Q9D8N0		50 kDa	25	27	27	1.08
39	Tubulin alpha-1B chain OS=Mus musculus OX=10090 GN=Tuba1b P05213		50 kDa	53	59	56	1.05660377
32	Filamin-C OS=Mus musculus OX=10090 GN=Flnc PE=1 SV=3	Q8VHX6	291 kDa	73	68	75	1.02739726
94	60S acidic ribosomal protein P0 OS=Mus musculus OX=10090 GN P14869		34 kDa	25	25	25	1
35	Heat shock protein HSP 90-alpha OS=Mus musculus OX=10090 P07901		85 kDa	59	68	58	0.98305085
86	Ras GTPase-activating-like protein IQGAP1 OS=Mus musculus OX Q9JKF1		189 kDa	30	28	29	0.96666667
173	Phosphate carrier protein, mitochondrial OS=Mus musculus OX=10090 Q8VEM8		40 kDa	19	9	18	0.94736842
149	Importin subunit beta-1 OS=Mus musculus OX=10090 GN=Kpnb1 P70168		97 kDa	18	15	17	0.94444444
40	Elongation factor 2 OS=Mus musculus OX=10090 GN=Eef2 PE=1 SV:P58252		95 kDa	62	42	57	0.91935484
116	14-3-3 protein zeta/delta OS=Mus musculus OX=10090 GN=Ywhz P63101		28 kDa	24	17	22	0.91666667
58	Nucleolin OS=Mus musculus OX=10090 GN=Ncl PE=1 SV=2	P09405	77 kDa	45	31	41	0.91111111
41	Vimentin OS=Mus musculus OX=10090 GN=Vim PE=1 SV=3	P20152	54 kDa	56	53	49	0.875
160	Peptidyl-prolyl cis-trans isomerase A OS=Mus musculus OX=10090 P17742		18 kDa	20	13	17	0.85
133	Heterogeneous nuclear ribonucleoprotein U OS=Mus musculus OX Q8VEK3		88 kDa	22	20	18	0.81818182
108	ADP/ATP translocase 1 OS=Mus musculus OX=10090 GN=Slc25a4 P48962		33 kDa	27	18	22	0.81481481
82	40S ribosomal protein S3 OS=Mus musculus OX=10090 GN=Rps3 P62908		27 kDa	34	20	27	0.79411765
178	Eukaryotic translation initiation factor 4 gamma 1 OS=Mus musculus E9PVC5 (+3)		175 kDa	14	19	11	0.78571429
29	Heat shock cognate 71 kDa protein OS=Mus musculus OX=10090 P63017		71 kDa	85	70	66	0.77647059
137	T-complex protein 1 subunit theta OS=Mus musculus OX=10090 P42932		60 kDa	25	15	19	0.76
50	Elongation factor 1-alpha 1 OS=Mus musculus OX=10090 GN=Eef P10126		50 kDa	51	45	38	0.74509804
98	T-complex protein 1 subunit beta OS=Mus musculus OX=10090 G P80314		57 kDa	31	23	22	0.70967742
106	Heterogeneous nuclear ribonucleoprotein K OS=Mus musculus OX B2M1R6 (+1)		49 kDa	29	18	20	0.68965517
80	Fatty acid synthase OS=Mus musculus OX=10090 GN=Fasn PE=1 P19096		272 kDa	31	25	21	0.67741935
100	Prelamin-A/C OS=Mus musculus OX=10090 GN=Lmna PE=1 SV=2 P48678		74 kDa	35	29	23	0.65714286
179	Proliferation-associated protein 2G4 OS=Mus musculus OX=10090 P50580		44 kDa	19	11	12	0.63157895
154	Annexin A5 OS=Mus musculus OX=10090 GN=Anxa5 PE=1 SV=1	P48036	36 kDa	21	13	13	0.61904762
168	Arginine--tRNA ligase, cytoplasmic OS=Mus musculus OX=10090 Q9D0I9		76 kDa	23	9	14	0.60869565
150	Eukaryotic translation initiation factor 2 subunit 3, X-linked OS=M Q9Z0N1		51 kDa	22	12	13	0.59090909
158	T-complex protein 1 subunit gamma OS=Mus musculus OX=10090 P80318 (+1)		61 kDa	22	14	13	0.59090909
110	Annexin A1 OS=Mus musculus OX=10090 GN=Anxa1 PE=1 SV=2	P10107	39 kDa	34	14	20	0.58823529
61	Pyruvate kinase PKM OS=Mus musculus OX=10090 GN=Pkm PE=1 P52480		58 kDa	53	27	31	0.58490566
64	Alpha-enolase OS=Mus musculus OX=10090 GN=Eno1 PE=1 SV=3 P17182		47 kDa	53	23	31	0.58490566
66	Annexin A2 OS=Mus musculus OX=10090 GN=Anxa2 PE=1 SV=2	P07356	39 kDa	47	22	27	0.57446809
167	40S ribosomal protein SA OS=Mus musculus OX=10090 GN=Rpsa P14206		33 kDa	21	9	12	0.57142857
117	ATP synthase subunit alpha, mitochondrial OS=Mus musculus OX Q03265		60 kDa	32	12	18	0.5625
142	Peroxisomal protein OS=Mus musculus OX=10090 GN=Prdx1 PE=1 SV:P35700		22 kDa	25	13	14	0.56
109	Transitional endoplasmic reticulum ATPase OS=Mus musculus OX Q01853		89 kDa	33	18	18	0.54545455
132	T-complex protein 1 subunit alpha OS=Mus musculus OX=10090 P11983		60 kDa	27	15	14	0.51851852
143	Receptor of activated protein C kinase 1 OS=Mus musculus OX=10090 P168040		35 kDa	26	13	13	0.5
153	L-lactate dehydrogenase A chain OS=Mus musculus OX=10090 G1 P06151		36 kDa	26	6	13	0.5
174	T-complex protein 1 subunit delta OS=Mus musculus OX=10090 P80315		58 kDa	24	7	12	0.5
210	Bifunctional purine biosynthesis protein ATIC OS=Mus musculus Q9CWX9		64 kDa	16	4	8	0.5
139	Phosphoglycerate kinase 1 OS=Mus musculus OX=10090 GN=Pgk P09411		45 kDa	31	9	15	0.48387097
113	40S ribosomal protein S18 OS=Mus musculus OX=10090 GN=Rps A0A1Y7VKY1 (+1)		18 kDa	29	16	14	0.48275862
140	Moesin OS=Mus musculus OX=10090 GN=Msn PE=1 SV=3	P26041	68 kDa	29	14	14	0.48275862
59	Clastrin heavy chain 1 OS=Mus musculus OX=10090 GN=Cltc PE=1 Q68FD5		192 kDa	56	33	27	0.48214286
180	Heat shock 70 kDa protein 4 OS=Mus musculus OX=10090 GN=Hs Q3U2G2		94 kDa	24	8	11	0.45833333

78	Glyceraldehyde-3-phosphate dehydrogenase OS=Mus musculus CA0A0A0MQF6 (+1)	39 kDa	47	20	21	0.44680851
197	Phosphoserine aminotransferase OS=Mus musculus OX=10090 G Q99K85	40 kDa	18	6	8	0.44444444
151	Valine--tRNA ligase OS=Mus musculus OX=10090 GN=Vars1 PE= Q9Z1Q9	140 kDa	26	11	11	0.42307692
118	D-3-phosphoglycerate dehydrogenase OS=Mus musculus OX=100 G61753	57 kDa	31	19	13	0.41935484
126	Cytoplasmic dynein 1 heavy chain 1 OS=Mus musculus OX=10090 Q9JHU4	532 kDa	31	22	13	0.41935484
96	Talin-1 OS=Mus musculus OX=10090 GN=Tln1 PE=1 SV=2 P26039	270 kDa	37	23	15	0.40540541
181	Alanine--tRNA ligase, cytoplasmic OS=Mus musculus OX=10090 (Q8BQG7	107 kDa	24	9	9	0.375
18	Keratin, type I cytoskeletal 10 OS=Homo sapiens OX=9606 GN=KR Cont_ P13645	59 kDa	159	65	59	0.37106918
123	Serine hydroxymethyltransferase, mitochondrial OS=Mus musculus Q9CZN7	56 kDa	38	6	14	0.36842105
219	C-1-tetrahydrofolate synthase, cytoplasmic OS=Mus musculus OX Q922D8	101 kDa	20	1	7	0.35
159	Malate dehydrogenase, mitochondrial OS=Mus musculus OX=100 P08249	36 kDa	32	1	11	0.34375
14	AHNAK nucleoprotein (desmoyokin) OS=Mus musculus OX=10090 E9Q616	604 kDa	190	83	65	0.34210526
73	Protein disulfide-isomerase A3 OS=Mus musculus OX=10090 GN: P27773	57 kDa	51	17	17	0.33333333
201	T-complex protein 1 subunit eta OS=Mus musculus OX=10090 GN P80313	60 kDa	19	11	6	0.31578947
194	26S proteasome non-ATPase regulatory subunit 2 OS=Mus musculus Q8VDM4	100 kDa	17	13	5	0.29411765
28	Endoplasmic reticulum chaperone BiP OS=Mus musculus OX=100 P20029	72 kDa	141	38	39	0.27659574
62	Endoplasmic reticulum chaperone BiP OS=Mus musculus OX=10090 GN=Hsp90b1 PE=1 SV P08113	92 kDa	68	21	17	0.25
176	Ribosome-binding protein 1 OS=Mus musculus OX=10090 GN=Rr A2AVJ7 (+1)	158 kDa	24	14	6	0.25
246	E3 ubiquitin-protein ligase RNF213 OS=Mus musculus OX=10090 A0A171EBL2	585 kDa	12	1	3	0.25
186	Vinculin OS=Mus musculus OX=10090 GN=Vcl PE=1 SV=4 Q64727	117 kDa	29	6	7	0.24137931
42	Green fluorescent protein OS=Aequorea victoria OX=6100 GN=GF Cont_ P42212	27 kDa	129	0	31	0.24031008
190	Ubiquitin-like modifier-activating enzyme 1 OS=Mus musculus O: Q02053	118 kDa	25	9	6	0.24
10	Keratin, type II cytoskeletal 1 OS=Homo sapiens OX=9606 GN=KR Cont_ P04264	66 kDa	317	81	76	0.23974763
76	60 kDa heat shock protein, mitochondrial OS=Mus musculus OX=: P63038	61 kDa	59	15	14	0.23728814
19	Keratin, type I cytoskeletal 9 OS=Homo sapiens OX=9606 GN=KR1 Cont_ P35527	62 kDa	201	37	47	0.23383085
169	Transketolase OS=Mus musculus OX=10090 GN=Tkt PE=1 SV=1 P40142	68 kDa	30	7	7	0.23333333
121	Caveolae-associated protein 1 OS=Mus musculus OX=10090 GN=O54724	44 kDa	39	14	9	0.23076923
200	Stress-induced-phosphoprotein 1 OS=Mus musculus OX=10090 G Q60864	63 kDa	26	6	6	0.23076923
241	Prolow-density lipoprotein receptor-related protein 1 OS=Mus musculus A0A0R4J0I9 (+1)	505 kDa	13	5	3	0.23076923
224	Lysine--tRNA ligase OS=Mus musculus OX=10090 GN=Kars1 PE=1 Q99MNI1	68 kDa	18	5	4	0.22222222
131	ATP synthase subunit beta, mitochondrial OS=Mus musculus OX= P56480	56 kDa	42	10	9	0.21428571
217	Eukaryotic translation initiation factor 3 subunit L OS=Mus musculus Q8QZY1	67 kDa	19	4	4	0.21052632
119	Cytoskeleton-associated protein 4 OS=Mus musculus OX=10090 Q8B8MK4	64 kDa	43	11	9	0.20930233
21	Keratin, type II cytoskeletal 2 epidermal OS=Homo sapiens OX=9606 GN=KR2 Cont_ P35908	65 kDa	191	38	39	0.20418848
148	Annexin OS=Mus musculus OX=10090 GN=Anxa6 PE=1 SV=1 F8WIT2	75 kDa	35	5	7	0.2
218	Protein RCC2 OS=Mus musculus OX=10090 GN=Rcc2 PE=1 SV=1 Q8BK67	56 kDa	20	3	4	0.2
161	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase si Q91YQ5	69 kDa	32	6	6	0.1875
125	Calreticulin OS=Mus musculus OX=10090 GN=Calr PE=1 SV=1 P14211	48 kDa	51	5	9	0.17647059
102	Serpin H1 OS=Mus musculus OX=10090 GN=Serpinh1 PE=1 SV=3 P19324	47 kDa	54	8	9	0.16666667
20	Albumin OS=Bos taurus OX=9913 GN=ALB PE=1 SV=4 Cont_ P02769	69 kDa	197	39	32	0.16243655
45	Keratin, type I cytoskeletal 14 OS=Homo sapiens OX=9606 GN=KR Cont_ P02533	52 kDa	111	21	18	0.16216216
7	Ig gamma-1 chain C region secreted form (Fragment) OS=Mus musculus A0A075B5P4	36 kDa	621	72	99	0.15942029
230	Far upstream element-binding protein 2 OS=Mus musculus OX=10090 GN=FAU3B2WCD8 (+1)	74 kDa	19	0	3	0.15789474
144	Bifunctional glutamate/proline--tRNA ligase OS=Mus musculus C Q8CGC7	170 kDa	46	6	7	0.15217391
141	Keratin, type II cytoskeletal 4 OS=Homo sapiens OX=9606 GN=KR Cont_ P19013	56 kDa	40	6	6	0.15
47	Stress-70 protein, mitochondrial OS=Mus musculus OX=10090 G P38647	73 kDa	109	18	16	0.14678899
212	Asparagine--tRNA ligase OS=Mus musculus OX=10090 GN=Nars A0A498WVGK2 (+1)	64 kDa	21	5	3	0.14285714
51	Keratin, type II cytoskeletal 6A OS=Homo sapiens OX=9606 GN=K Cont_ P02538	60 kDa	106	10	15	0.14150943
214	Staphylococcal nuclease domain-containing protein 1 OS=Mus musculus Q78PY7	102 kDa	22	4	3	0.13636364
54	Keratin, type I cytoskeletal 16 OS=Homo sapiens OX=9606 GN=KR Cont_ P08779	51 kDa	96	16	13	0.13541667
244	Titin OS=Mus musculus OX=10090 GN=Ttn PE=1 SV=1 A0A5K1VVQ9	3925 kDa	16	12	2	0.125
207	Aspartate aminotransferase, mitochondrial OS=Mus musculus O: P05202	47 kDa	25	1	3	0.12
215	Aspartate--tRNA ligase, cytoplasmic OS=Mus musculus OX=1009 Q922B2	57 kDa	25	2	3	0.12
183	Calnexin OS=Mus musculus OX=10090 GN=Canx PE=1 SV=1 P35564	67 kDa	34	2	4	0.11764706
46	Keratin, type II cytoskeletal 5 OS=Homo sapiens OX=9606 GN=KR Cont_ P13647	62 kDa	121	14	14	0.11570248
238	Eukaryotic translation initiation factor 3 subunit A OS=Mus musculus P23116	162 kDa	19	3	2	0.10526316
220	Sodium/potassium--transporting ATPase subunit alpha-1 OS=Mus musculus Q8VDN2	113 kDa	20	3	2	0.1
120	Protein disulfide-isomerase OS=Mus musculus OX=10090 GN=P4 P09103	57 kDa	46	11	4	0.08695652
221	Annexin A3 OS=Mus musculus OX=10090 GN=Anxa3 PE=1 SV=4 Q35639	36 kDa	23	2	2	0.08695652
242	Lactotransferrin OS=Homo sapiens OX=9606 GN=LTF PE=1 SV=6 Cont_ P02788 (+1)	78 kDa	15	0	1	0.06666667
236	MICOS complex subunit Mic60 OS=Mus musculus OX=10090 GN=Q8CAQ8	84 kDa	20	0	1	0.05
166	Protein disulfide-isomerase A4 OS=Mus musculus OX=10090 GN: A0A0R4J0Z1 (+1)	72 kDa	43	0	2	0.04651163
135	Desmoplakin OS=Mus musculus OX=10090 GN=Dsp PE=1 SV=1 E9Q557	333 kDa	55	0	2	0.03636364
193	Neutral alpha-glucosidase AB OS=Mus musculus OX=10090 GN=: Q8BHN3	107 kDa	34	0	1	0.02941176
23	Plasminogen OS=Bos taurus OX=9913 GN=PLG PE=1 SV=2 Cont_ P06868	91 kDa	241	7	7	0.02904564
182	Fibulin-2 OS=Mus musculus OX=10090 GN=Fbln2 PE=1 SV=2 P37889	132 kDa	36	1	1	0.02777778
85	Keratin, type I cytoskeletal 13 OS=Homo sapiens OX=9606 GN=KR Cont_ P13646	50 kDa	62	0	0	0
91	Keratin, type I cytoskeletal 17 OS=Homo sapiens OX=9606 GN=KR Cont_ Q04695	48 kDa	62	0	0	0
172	Albumin OS=Homo sapiens OX=9606 GN=ALB PE=1 SV=2 Cont_ P02768	69 kDa	36	0	0	0
188	Phosphoenolpyruvate carboxykinase (GTP) OS=Mus musculus OX: A0A0R4J0G0 (+1)	73 kDa	40	0	0	0
195	Junction plakoglobin OS=Mus musculus OX=10090 GN=Jup PE=1 Q02257	82 kDa	34	0	0	0
199	Mitochondrial 10-formyltetrahydrofolate dehydrogenase OS=Mus musculus Q8K009	102 kDa	34	1	0	0
211	Isocitrate dehydrogenase [NADP], mitochondrial OS=Mus musculus P54071	51 kDa	29	0	0	0
213	Cullin-associated NEDD8-dissociated protein 1 OS=Mus musculus Q6ZQ38	136 kDa	27	4	0	0
222	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial OS=Mus musculus Q8K2B3	73 kDa	23	1	0	0
223	Delta-1-pyrroline-5-carboxylate synthase OS=Mus musculus OX=1 Q9Z110	87 kDa	24	0	0	0
227	Keratin, type II cytoskeletal 78 OS=Homo sapiens OX=9606 GN=KI Cont_ Q8N1N4	57 kDa	24	0	0	0
228	Collagen, type VI, alpha 3 OS=Mus musculus OX=10090 GN=Col6: P9PWQ3	354 kDa	24	0	0	0
231	Lon protease homolog, mitochondrial OS=Mus musculus OX=100 Q8CGK3	106 kDa	21	1	0	0
232	Transcription intermediary factor 1-beta OS=Mus musculus OX=1 Q62318	89 kDa	22	0	0	0
233	Aconitate hydratase, mitochondrial OS=Mus musculus OX=10090 Q99KI0	85 kDa	22	0	0	0
235	Aldehyde dehydrogenase, mitochondrial OS=Mus musculus OX=1 A0A0G2JEU1 (+1)	51 kDa	20	0	0	0

237	Monofunctional C1-tetrahydrofolate synthase, mitochondrial OS= Q3V3R1	106 kDa	19	0	0	0
239	Myoferlin OS=Mus musculus OX=10090 GN=Myof PE=1 SV=1 A0A286YDF5 (+2)	235 kDa	18	1	0	0
240	Hypoxia up-regulated protein 1 OS=Mus musculus OX=10090 GN: Q9JKR6	111 kDa	17	0	0	0
243	Inactive tyrosine-protein kinase 7 OS=Mus musculus OX=10090 G Q8BK63	118 kDa	16	1	0	0
245	Dihydropolyllysine-residue acetyltransferase component of pyruv Q8BMF4	68 kDa	14	0	0	0