

Supplemental Data:

Peptides with Mascot scores >95% confidence probability for protein identifications

in Table 1.

Spot A7

albumin [Bos taurus]

[qij162648](#) Mass: 69248 Score: 525 albumin [Bos taurus]

Observed	Mr(expt)	Mr(calc)	Delta	Score	Peptide
507.8337	1013.6529	1013.6121	0.0409	75	K.QTALVELLK.H
582.3406	1162.6667	1162.6233	0.0434	64	K.LVNELTEFAK.T
653.3854	1304.7562	1304.7088	0.0474	57	K.HLVDEPQNLIK.Q
693.8291	1385.6437	1385.6133	0.0304	77	K.YICDNQDTISSK.L
740.4267	1478.8389	1478.7881	0.0508	84	K.LGEYGFQNALIVR.Y
756.4592	1510.9038	1510.8355	0.0683	64	K.VPQVSTPTLVEVSR.S
547.3394	1638.9964	1638.9304	0.0660	105	R.KVPQVSTPTLVEVSR.S

Spot B2

protein disulfide isomerase associated 3 [Mus musculus]

[qij6679687](#) Mass: 56586 Score: 398

Observed	Mr(expt)	Mr(calc)	Delta	Score	Peptide
439.2651	876.5157	876.4817	0.0340	50	K.LNFVASR.K
498.2979	994.5813	994.5559	0.0254	55	K.QAGPASVPLR.T
499.2733	996.5321	996.5028	0.0293	58	K.DASVVGFFR.D
542.8030	1083.5914	1083.5600	0.0314	62	K.YGVSGYPTLK.I
596.3183	1190.6221	1190.5931	0.0290	71	R.LAPEYEAATR.L
399.9305	1196.7695	1196.7128	0.0567	51	K.LSKDPNIVIAK.M
691.8818	1381.7491	1381.6725	0.0767	51	K.SEPIPESNEGPVK.V

Spot B6

serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1

[qij27806941](#) Mass: 46075 Score: 249

Observed	Mr(expt)	Mr(calc)	Delta	Score	Peptide
430.7603	859.5060	859.4651	0.0409	54	K.AALTIDEK.G
457.7916	913.5687	913.5232	0.0455	59	K.LNNELLAK.F
584.8276	1167.6406	1167.6023	0.0383	59	K.LSISETYDLK.S
589.8390	1177.6634	1177.6230	0.0404	77	K.LVDTFLEDVK.N

78 kDa glucose-regulated protein [Mus musculus]

[qij1304157](#) Mass: 72412 Score: 124

Observed	Mr(expt)	Mr(calc)	Delta	Score	Peptide
491.2597	980.5049	980.4814	0.0235	59	K.ETAEAYLGK.K
699.4163	1396.8181	1396.7813	0.0368	65	K.ELEEIVQPIISK.L

Spot C3 (score more than 47)

enolase 1, alpha non-neuron [Mus musculus]

[qij12963491](#) Mass: 47095 Score: 154

Observed	Mr(expt)	Mr(calc)	Delta	Score	Peptide
450.2993	898.5841	898.5487	0.0354	47	K.TIAPALVSK.K
452.7520	903.4895	903.4549	0.0347	49	R.IEEELGSK.A
472.7880	943.5615	943.4974	0.0641	57	K.VNVVEQEK.I

Spot A2

heat shock 70 protein [Mus musculus]
[gil1661134](#) Mass: 70793 Score: 834

Observed	Mr(expt)	Mr(calc)	Delta	Score	Peptide
541.3075	1080.6005	1080.5603	0.0402	59	K.LLQDFFNKG.E
599.3603	1196.7061	1196.6553	0.0508	51	K.FELTGIPPAPR.G
600.3646	1198.7146	1198.6669	0.0476	56	K.DAGTIAGLNVLRI
614.8437	1227.6728	1227.6207	0.0521	67	K.VEIIANDQGNRT
627.3391	1252.6636	1252.6087	0.0549	72	R.FEELNADLFR.G
635.8178	1269.6211	1269.5547	0.0664	52	R.FDDAVVQSDMK.H + Oxidation (M)
652.3312	1302.6479	1302.5914	0.0565	64	K.NSLESYAFNMK.A
744.3956	1486.7766	1486.6940	0.0827	50	R.TTPSYVAFTDTER.L
833.4136	1664.8126	1664.7828	0.0299	60	K.NQVAMNPTNTVFDK.R + Oxidation (M)
596.6901	1787.0484	1786.9828	0.0656	57	R.IINEPTAAAIAYGLDKK.V

Spot A4

Heat shock 70kD protein 5 (glucose-regulated protein) [Mus musculus]
[gil29748016](#) Mass: 72377 Score: 618

Observed	Mr(expt)	Mr(calc)	Delta	Score	Peptide
491.2558	980.4971	980.4814	0.0157	59	K.ETAEAYLGK.K
609.3525	1216.6905	1216.6234	0.0672	88	K.DAGTIAGLNVMRI
614.8326	1227.6507	1227.6207	0.0300	70	R.VEIIANDQGNRI
658.8472	1315.6798	1315.6295	0.0502	53	R.NELESYAYSLK.N
699.4357	1396.8569	1396.7813	0.0756	68	K.ELEEIVQPIISK.L
715.8677	1429.7209	1429.6837	0.0371	63	R.TWNDPSVQQDIK.F
730.8991	1459.7837	1459.7518	0.0320	80	K.SDIDEIVLVGGSTR.I
559.9749	1676.9027	1676.8005	0.1022	70	K.NQLTSNPENTVFDK.R
630.0210	1887.0413	1886.9638	0.0774	68	K.VTHAVVTVPAYFNDAQR.Q

Spot A11

heat shock protein 65 [Mus musculus]
[gil51455](#) Mass: 60903 Score: 387

Observed	Mr(expt)	Mr(calc)	Delta	Score	Peptide
393.2741	784.5336	784.5058	0.0278	57	K.IGIEIHK.R
451.2927	900.5709	900.5280	0.0429	72	K.LSDGVAVLK.V
456.8100	911.6055	911.5803	0.0252	68	K.VGLQVVAVK.A
608.3605	1214.7064	1214.6506	0.0558	67	K.NAGVEGSLIVEK.I
672.8831	1343.7517	1343.7085	0.0432	71	R.TVIEQSWGSPK.V
549.6565	1645.9476	1645.8960	0.0516	52	K.VGEVIVTKDDAMLLK.G + Oxidation (M)

Spot D1 (score more than 40, spectra manually validated)

Nucleophosmin 1 [Mus musculus]
[gil55153941](#) Mass: 32568 Score: 147

Observed	Mr(expt)	Mr(calc)	Delta	Score	Peptide
373.2605	744.5064	744.4745	0.0318	40	K.VTLATLK.M
466.2696	930.5247	930.4658	0.0589	61	K.GPSSVEDIK.A

Spot D2

aldolase A [Mus musculus]
[gil7548322](#) Mass: 39526 Score: 307

Observed	Mr(expt)	Mr(calc)	Delta	Score	Peptide
401.2578	800.5010	800.4756	0.0254	55	R.ALQASALK.A
666.8726	1331.7307	1331.6932	0.0375	94	K.GILAADESTGSIK.R