Supplementary Material

Table 4. Identification of non-significantly different protein levels

Number	Protein name	Matches	Score	pI	(kDa)
Antioxidant proteins					
P08009	Glutathione S-transferase Yb-3 (EC 2.5.1.18) (Chain 4) (GST Yb3)	8	69	6.84	25.68
P12346	Serotransferrin [Precursor] (rat)	25	186	6.94	76.36
P15331	Peripherin (mouse)	16	75	5.4	54.26
P20108	Thioredoxin-dependent peroxide reductase,mitochondrial [Precursor](PRX III)	17	135	7.15	28.12
Q13162	Peroxiredoxin 4	9	91	5.86	30.53
Q63362	NADH-ubiquinone oxidoreductase 13 kDa-B subunit (rat)	11	135	7.07	13.28
Q91VD9	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial [Precursor] (mouse)	16	110	5.51	79.74
Q99LC5	Electron transfer flavoprotein alpha-subunit, mitochondrial [Precursor] (mouse)	12	80	8.62	35.03
Q9CWJ4	Peroxiredoxin 2	7	303	5.2	21.81
Q9D0M3	Cytochrome c1, heme protein, mitochondrial [Precursor]	10	63	9.24	35.328
Q9JKY1	Thioredoxin peroxidase II	10	96	8.22	22.26
Metabolic proteins					
O35264	Platelet-activating factor acetylhydrolase IB beta subunit (rat)	23	125	5.57	25.58
P04642	L-lactate dehydrogenase A chain (rat)	14	255	8.45	36.45
P04797	Glyceraldehyde 3-phosphate dehydrogenase (rat)	17	88	8.44	35.7
P05065	Fructose-bisphosphate aldolase A (rat)	19	247	8.4	39.22
P05370	Glucose-6-phosphate 1-dehydrogenase (rat)	28	227	5.97	59.24
P07943	Aldose reductase (rat)	13	102	6.26	35.79
P08461	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex [Fragment] (rat)	18	166	5.7	58.76
P09117	Fructose-bisphosphate aldolase C (rat)	23	207	6.79	39.15
P09329	Ribose-phosphate pyrophosphokinase I	14	143	6.56	34.7
P09606	Glutamine synthetase (rat)	18	142	6.64	42.26
P10860	Glutamate dehydrogenase, mitochondrial [Precursor] (rat)	28	152	8.05	61.42
P14152	Malate dehydrogenase, cytoplasmic(mouse)	13	96	6.16	36.34
P14882	Propionyl-CoA carboxylase alpha chain, mitochondrial [Precursor] [Fragment] (rat)	25	118	6.33	77.71
P19629	L-lactate dehydrogenase C chain (rat)	19	129	7.54	35.55
P27605	Hypoxanthine-guanine phosphoribosyltransferase (EC 2.4.2.8) (HGPRT)(HGPRTase) [Hprt] [Rattus norvegicus (Rat)]	7	92	6.07	24.47
P30275	Creatine kinase, ubiquitous mitochondrial [Precursor] (mouse)	22	195	8.39	47
P51635	Alcohol dehydrogenase [NADP+] (rat)	15	131	6.81	36.37
Q9DBP5	UMP-CMP kinase	21	206	5.68	22.16
Q9MU77	ATP synthase beta subunit	10	258	5.29	53.78
Cytoskeleton proteins					
O35135	Outer dense fiber protein (mouse)	14	69	6.26	70.76
O35884	N-RAP [Nrap] [Mus musculus (Mouse)] (syn: Nebulin-related anchoring protein)	20	69	9.27	133.12
P02563	Myosin heavy chain, cardiac muscle alpha isoform (rat)	29	70	5.59	223.51

P26040	Ezrin (mouse)	28	152	5.83	69.27
P37377	Alpha-synuclein (rat)	15	191	9.76	15.75
P45592	Cofilin, non-muscle isoform [Cfl1] [Rattus norvegicus (Rat)]	10	126	8.22	18.53
P47754	F-actin capping protein alpha-2 subunit (mouse)	16	204	5.57	32.96
P61164	Alpha-centractin (mouse)	19	165	6.19	42.61
Q923G3	Capping protein (Actin filament) muscle Z-line, beta (mouse)	13	100	5.69	30.62
Q9EPC6	Profilin II (rat)	20	193	6.78	14.87
Proteasome					
P18420	Proteasome subunit alpha type 1(rat)	13	157	6.14	29.51
P26516	26S proteasome non-ATPase regulatory subunit 7	16	96	6.29	36.53
P40112	Proteasome subunit beta type 3(rat)	14	157	6.15	22.96
P46471	26S protease regulatory subunit 7(mouse)	18	137	5.72	48.51
P49722	Proteasome subunit alpha type 2	16	106	8.42	25.79
P61089	Ubiquitin-conjugating enzyme E2 N(mouse)	7	62	6.13	17.14
P62198	26S protease regulatory subunit 8	20	208	7.11	45.63
Nucleic acid binding proteins					
P24142	Prohibitin (mouse)	14	379	5.57	29.82
Q921F2	TAR DNA-binding protein-43	12	87	6.26	44.54
Chaperones					
O35814	P60 protein	18	165	6.4	62.57
P08109	Heat shock cognate 71 kDa protein	31	185	5.24	70.8
P10111	Peptidyl-prolyl cis-trans isomerase A (rat)	13	183	8.34	17.87
P38647	Stress-70 protein, mitochondrial [Precursor](mouse)	19	89	5.91	73.52
P48721	Stress-70 protein, mitochondrial [Precursor] (rat)	30	245	5.87	73.74
P80314	T-complex protein 1, beta subunit	18	394	5.97	57.44
P80316	T-complex protein 1, epsilon subunit	21	91	5.72	59.62
Q61699	Heat-shock protein 105 kDa (mouse)	20	74	5.42	96.49
Q9CQN1	Heat shock protein 75 kDa, mitochondrial [Precursor] (mouse)	21	103	6.25	80.07