

Table S7 2DE: mass data of proteins identified by LC-MS analysis. **ID:** identification code; **pI:** isoelectric point; **MW:** molecular weight; **obs:** observed; **th:** theoretical; **A:** Matched peptides; **B:** Coverage; **C:** Mascot score.

n°	Name	ID	pI		MW		A	B	C
			obs	th	obs	th			
595	Sorting and assembly machinery component 50 homolog	Q6AXV4	6.5	6.3	58	52	4	6.8	44
760	Calcium-binding mitochondrial carrier protein SCaMC-2	Q8K3P6	6.6	8.6	45	53	1	1.7	21
788	Long-chain specific acyl-CoA dehydrogenase, mitochondrial	P15650	6.5	7.6	44	48	5	7.4	49
862	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial	Q561S0	6.2	7.6	42	41	4	7.9	44
989	MICOS complex subunit Mic25	D4A7N1	7.5	8.1	37	30	1	3.1	28
1191	Acylpyruvase FAHD1, mitochondrial	Q6AYQ8	7.1	7.6	32	25	11	6.8	36
1178	Adenylate kinase 4, mitochondrial	Q9WUS0	7.3	7.8	33	25	1	4.5	48
1233	ES1 protein homolog, mitochondrial	P56571	7.4	9.1	32	28	2	6.4	35
1258	Cytochrome b-c1 complex subunit Rieske, mitochondrial	P20788	7.3	9	31	30	4	11.7	41
1308	Superoxide dismutase [Mn], mitochondrial	P07895	7.6	9	29	25	3	10	32
354	Stress-70 protein, mitochondrial	P48721	5.4	6	74	74	16	8.2	114
364	Heat shock protein 75 kDa, mitochondrial	Q5XHZ0	6.1	6.6	74	81	7	7.8	158
403	Carnitine O-palmitoyltransferase 2, mitochondrial	P18886	6.8	6.9	72	75	3	3.6	34
613	ATP synthase subunit alpha, mitochondrial	P15999	7.7	9.2	57	60	10	11.6	247
620	Glutamate dehydrogenase 1, mitochondrial	P10860	6.8	6.8	56	56	6	9.7	133
713	Elongation factor Tu, mitochondrial	P85834	6.4	7.2	47	50	9	11.9	213
796	Isovaleryl-CoA dehydrogenase, mitochondrial	P12007	6.3	8	44	47	6	13.7	107
1038	Voltage-dependent anion-selective channel protein 2	P81155	6.6	7.4	36	32	5	15.6	70
1046	Electron transfer flavoprotein subunit alpha, mitochondrial	P13803	7	8.6	36	35	3	5.1	43
1165	Adenylate kinase 2, mitochondrial	P29410	7.1	6.3	33	27	20	17.6	222
1649	Histone H3.1	Q6LED0	6.9	11.1	20	16	1	5.1	18
2010	Histone H3.3	P84245	6.8	11.3	22	15	1	5.5	39
408	Platelet-derived growth factor subunit A	P28576	6.7	9.3	72	24	1	3.9	15
647	Alpha-enolase	P04764	6.2	6.2	54	47	4	7.4	44
934	Glyceraldehyde-3-phosphate dehydrogenase, testis-specific	Q9ESV6	7.7	8.2	40	47	1	1.6	24
1618	Glial fibrillary acidic protein	P47819	5.9	5.4	21	50	1	1.6	35

371	Heat shock cognate 71 kDa protein	P63018	5.1	5.4	73	71	7	10	113
933	Glyceraldehyde-3-phosphate dehydrogenase	P04797	7.4	8.1	40	36	11	9	24
1309	Peroxiredoxin-1	Q63716	7.2	8.3	29	22	20	41.7	202
809	DnaJ homolog subfamily B member 11	Q6TUG0	6.2	5.9	43	41	5	10.1	71
1168	Endoplasmic reticulum resident protein 29	P52555	6	6.2	33	29	5	11.9	39