

Supplementary Table S5. Endogenously S-Guanylated Proteins in Mitochondria from Untreated Cells as Identified by Means of 2D-PAGE and LC-MS/MS^a

Spot no.	Acc no. ^b	Protein name	Sequence coverage (%)	No. of matched peptides	Mascot score	Mw ^c	pI ^d
3	P61980	Heterogeneous nuclear ribonucleoprotein K	31	12	131	50944	5.39
4	P69897	Tubulin beta-5 chain	54	17	756	49639	4.78
4	P85108	Tubulin beta-2A chain	48	15	745	49875	4.78
4	Q6P9T8	Tubulin beta-4B chain	48	16	665	49769	4.79
5	P10719	ATP synthase subunit beta, mitochondrial	47	18	1516	56318	5.19
6	Q63081	Protein disulfide-isomerase A6	38	12	419	48143	5
6	Q6AYH5	Dynactin subunit 2	37	11	323	44121	5.14
7	P60711	Actin, cytoplasmic 1	17	6	102	41710	5.29
8	P60711	Actin, cytoplasmic 1	44	13	1042	41710	5.29
8	P62738	Actin, aortic smooth muscle	23	8	496	41982	5.23
9	P60711	Actin, cytoplasmic 1	59	17	1960	41710	5.29
9	P68035	Actin, alpha cardiac muscle 1	41	14	543	41992	5.23
10	P60711	Actin, cytoplasmic 1	59	15	412	41710	5.29

^aProteins identified in experiment number 1.

^bSwiss-Prot accession number.

^cCalculated molecular weight.

^dCalculated pI.