

Supplementary Table S6. Endogenously S-Guanylated Proteins in Mitochondria from LPS/Cytokine-stimulated 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 | 19 | 8 | 132 | 50944 | 5.39 |
| 4 | P69897 | Tubulin beta-5 chain | 51 | 17 | 973 | 49639 | 4.78 |
| 4 | P85108 | Tubulin beta-2A chain | 48 | 16 | 864 | 49875 | 4.78 |
| 4 | Q6P9T8 | Tubulin beta-4B chain | 46 | 16 | 803 | 49769 | 4.79 |
| 4 | Q4QRB4 | Tubulin beta-3 chain | 32 | 12 | 489 | 50386 | 4.82 |
| 4 | P31000 | Vimentin | 38 | 17 | 540 | 53700 | 5.06 |
| 4 | P10719 | ATP synthase subunit beta, mitochondrial | 11 | 5 | 93 | 56318 | 5.19 |
| 5 | P10719 | ATP synthase subunit beta, mitochondrial | 53 | 20 | 1787 | 56318 | 5.19 |
| 7 | P60711 | Actin, cytoplasmic 1 | 46 | 14 | 1180 | 41710 | 5.29 |
| 7 | P62738 | Actin, aortic smooth muscle | 29 | 11 | 433 | 41982 | 5.23 |
| 8 | P60711 | Actin, cytoplasmic 1 | 60 | 18 | 1266 | 41710 | 5.29 |
| 8 | P62738 | Actin, aortic smooth muscle | 32 | 11 | 512 | 41982 | 5.23 |
| 18 | P48721 | Stress-70 protein, mitochondrial | 54 | 28 | 816 | 73812 | 5.97 |
| 19 | P48721 | Stress-70 protein, mitochondrial | 63 | 33 | 2770 | 73812 | 5.97 |
| 20 | P48721 | Stress-70 protein, mitochondrial | 40 | 21 | 647 | 73812 | 5.97 |
| 21 | P48721 | Stress-70 protein, mitochondrial | 7 | 3 | 167 | 73812 | 5.97 |
| 25 | P48679 | Prelamin-A/C | 12 | 6 | 60 | 74279 | 6.54 |
| 28 | P31000 | Vimentin | 72 | 31 | 1859 | 53700 | 5.06 |
| 29 | P31000 | Vimentin | 55 | 25 | 688 | 53700 | 5.06 |
| 29 | P61980 | Heterogeneous nuclear | 40 | 15 | 398 | 50944 | 5.39 |

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|----|--------|--|----|----|------|-------|------|
| 30 | P63039 | ribonucleoprotein K 60 kDa heat shock protein, mitochondrial | 78 | 31 | 2638 | 60917 | 5.91 |
|----|--------|--|----|----|------|-------|------|

^aProteins identified in experiment number 1.

^bSwiss-Prot accession number.

^cCalculated molecular weight.

^dCalculated pI.