**Table S1.** **Mitochondrial Ribonucleoside Triphosphate Concentrations.**

|  |  |
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| **Ribonucleoside triphosphate** | **Concentration***a* **(µM)** |
| ATP*b* | 8,600 ± 400b |
| CTP*b* | 250 ± 20 |
| GTP*b* | 2,400 ± 180 |
| UTP*b* | 1,800 ± 1,600 |
| 2′-C-methyl-ATP*c* | 210 ± 40 |
| 3′-dATP*c* | < 30 |

*a*Concentrations calculated assuming that mitochondria account for 10% of the total cellular volume.

*b*Values are the mean ± standard deviation from three independent mitochondrial isolations.

*c*Concentrations determined after 24 h incubations with 100 µM of 2′-C-methyladenosine and 3′-deoxyadenosine nucleoside.