

Table 1 | Statistic parameters of measured ATP concentration distribution. See Figure 4d for the distribution histogram. For each parameter, the upper row ("raw") is the values directly calculated from the experimental results. The raw data may be biased because of the non-linear property of the ratio-ATP conversion function. The lower row ("corrected") is the estimated true value with $\pm 1SD$ estimation error corrected for experimental errors and biases (see Supplementary Methods)

	mean (mM)	SD (mM)	skewness
raw	1.56	1.27	2.63
corrected	1.54 ± 0.09	1.22 ± 0.15	2.20 ± 0.54