**Supplemental File 3**

Figure S3: Determination of the relationship between cell density and optical density (OD660). Linear regression was set to intersect (0,0), as cell density must necessarily be 0 when OD660 = 0. For specific methodology on how these points were gathered, see Methods.

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Figure S4: Illustration of the process used to determine ATP maintenance values (see Methods). Using all 9 measured samples, GAM (slope) and NGAM (y-intercept) were determined as 168.4 and 5.12 (mmol per grams [cell mass] per hour), respectively.