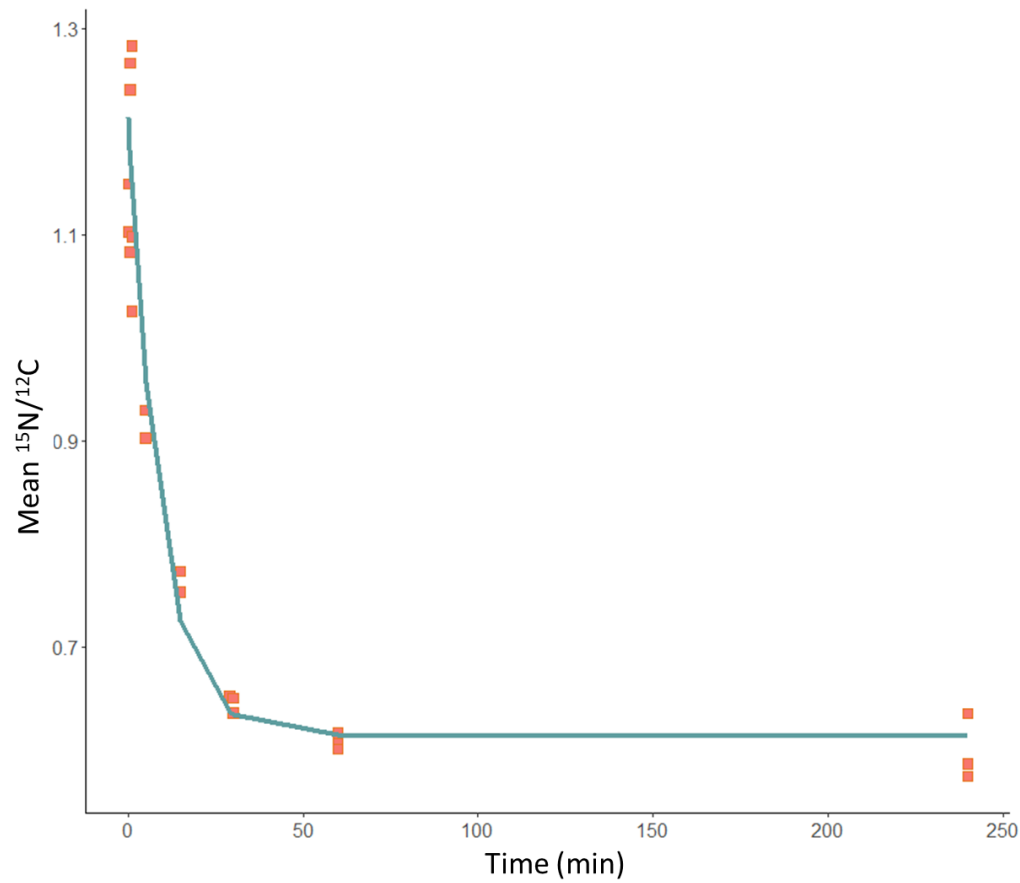


Supplementary Materials

Supplementary Figure 1. An example fit of the mean [^{15}N]-isotope ratios for Asp, Ala, and Glu with respect to time after removal of [^{15}N]-labeled media.



Supplementary Figure 2. Example of observed and predicted ^{13}C -serine isotope ratios with respect to time after addition of the ^{13}C -labeled media polynomial fit of Ser over time.

