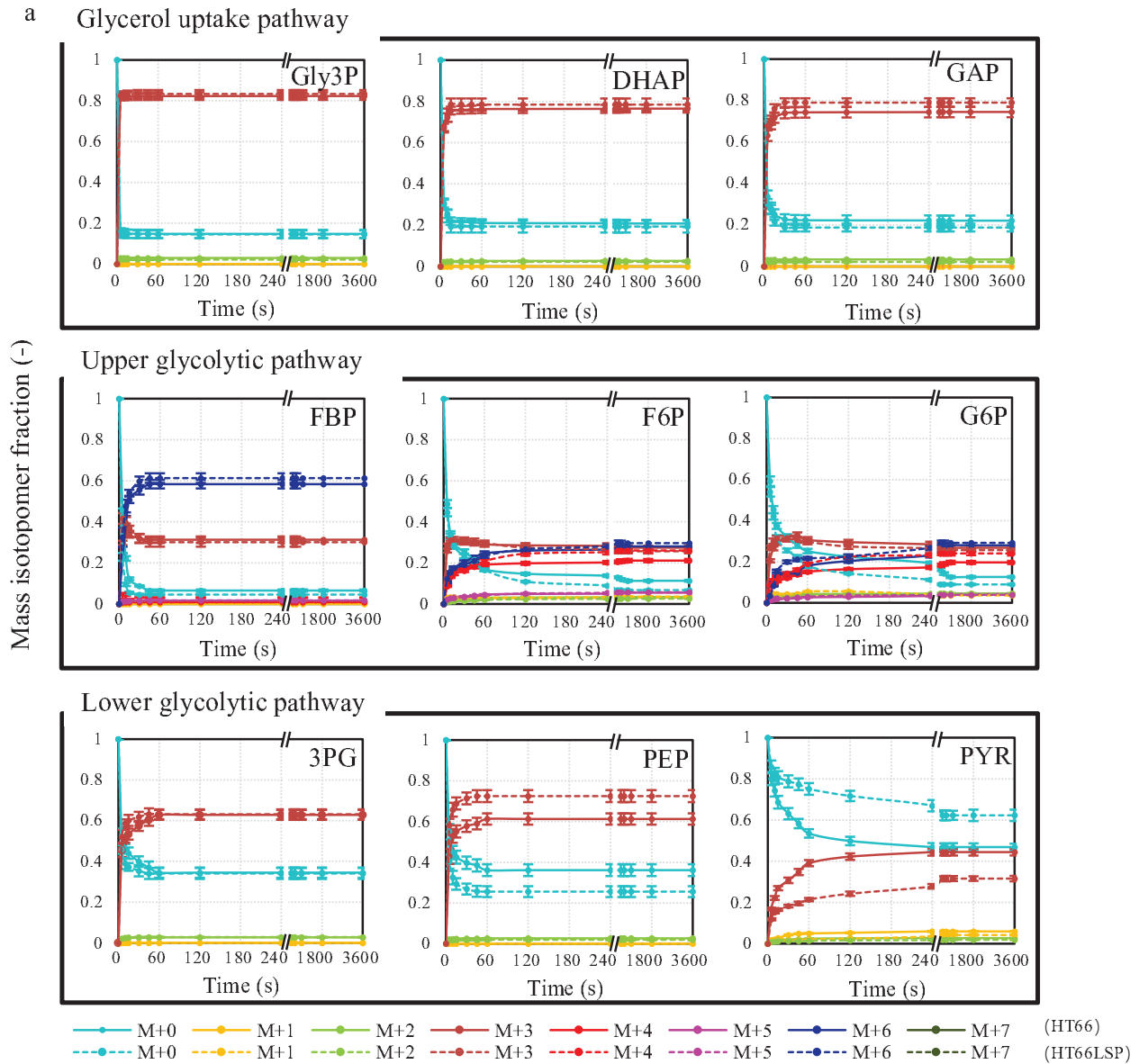
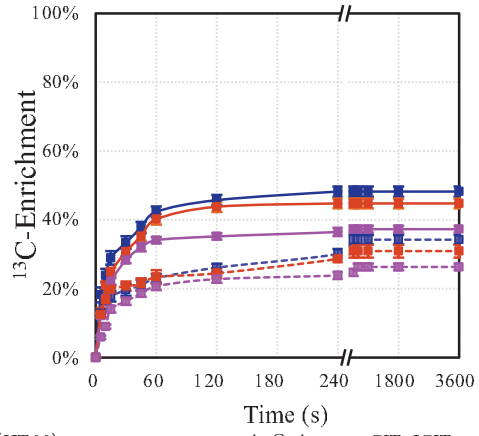
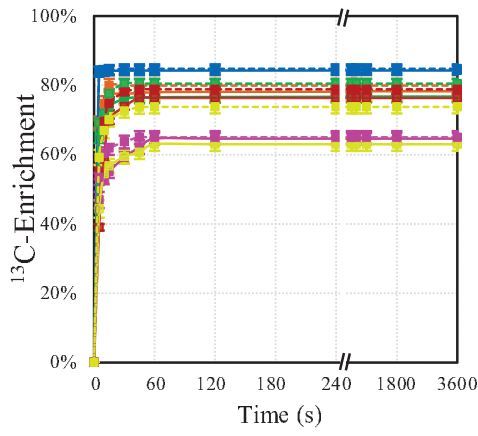


Additional file 2. ^{13}C -labeling trajectories of selected intracellular metabolites after the introduction of $[\text{U-}^{13}\text{C}]$ glycerol at the exponential phase. **a** Mass isotopomer abundances after correction for natural isotopic abundances. **b** Average ^{13}C -enrichments calculated using the formula $(\frac{1}{N}) \sum_{i=1}^N Mi \times i$, where N is the number of carbon atoms in the metabolite and Mi is the fractional abundance of the i th mass isotopomer. The solid lines (HT66) and dashed lines (HT66LSP) illustrate the measured labeling trends.

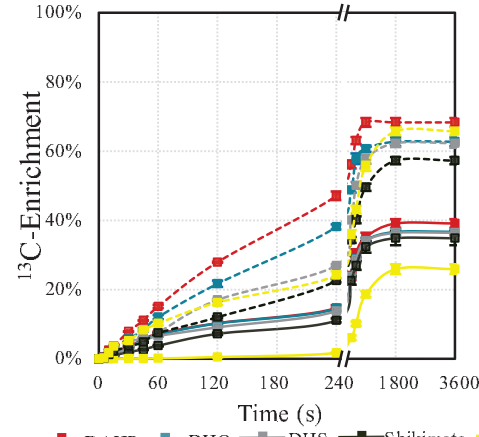
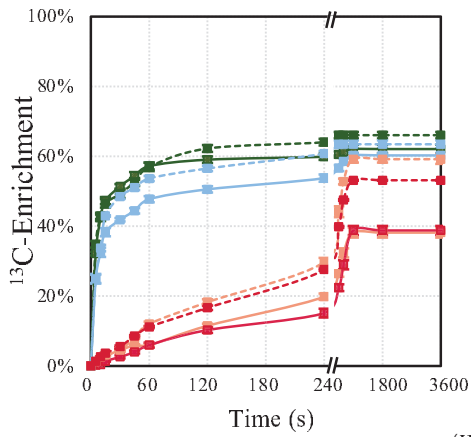


b



■ Gly3P ■ DHAP ■ GAP ■ FBP ■ 3PG ■ PEP (HT66)

■ PYR ■ AcCoA ■ CIT+ICIT (HT66LSP)



■ F6P ■ G6P ■ R5P ■ S7P (HT66)

■ DAHP ■ DHQ ■ DHS ■ Shikimate ■ DHHA (HT66LSP)