

**Figure S1.** Enrichment of 13C from glucose in plasma metabolites. Time course of labeled isotopologues from plasma at 15 min, 30 min, 2 h, and 4 h post-gavage. (**a**–**f**) Fractional enrichment of glucose (**a**), pyruvate (**b**), lactate (**c**), citrate (**d**), Glu (**e**), and pyroglutamic acid (**f**). Values shown are mean ± SEM (*n* = 2–5).

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** Figure S2.** [U-13C] Glucose incorporation into liver glycogen. Time course showing percentage of [U-13C] glucose enrichment into liver glycogen (**a**) and brain glycogen (**b**) at 15 min, 30 min, 2 h, and 4 h post-gavage. Values shown are mean ± SEM (*n* = 3–5).