



**Supplementary Figure S1.** Plasma palmitate enrichment during tracer infusion (A), area under plasma  $^{13}\text{C}_{16}$ -palmitate enrichment curve (B, AUC) plasma palmitate turnover rate (C) and plasma free fatty acids turnover rate (D) during 2 hours of primed-continuous tracer infusion. Infusion rate and tracer dose was adjusted for animal body weight as described in Materials and Methods section. C-control; HFD-high-fat diet; HFD/Met-metformin treated; Values are mean  $\pm$  SD (n=8 for each group).