**Supplemental Figure 1.** **Female offspring.**

Weekly weights of female offspring (A). Blood glucose levels (B) and circulating insulin (C) levels of 8-week-old female offspring after a 6 hour fast. IPGTT performed on 8-week-old female offspring, 2 g/kg dextrose, 6 hour fast, Ctrl n=7, Met n=8 (D). ITT performed on female offspring at 10 weeks of age, 0.75 U/kg insulin, 6 hour fast, n=8 (E). Fasting blood glucose of 10 week ITT (F). Weight of quadriceps of 1-year-old female offspring averaged per animal (G). Weight of GWAT of female offspring at 1 year of age averaged per animal (H). \*p<0.05, \*\*p<0.01

**Supplemental Figure 2. Maternal microbiome.**

Microbiota of Dams. PCoA plot of dam stool collected pre-pregnancy (n=4) (A). PCoA plot of dams at P11 (n=4) (B). Alpha diversity of dams at P11 (C) B:F ratio of dams quantified using F (D) Quantification of relative abundances seen in G (E). Relative abundance plot of phyla present in dam microbiota at P11 (n=4) (F). Heatmap of most significant OTUs in dam microbiota at P11 as identified by LEFse analysis (n=4) (G).