**Supplemental Figures and Legends**

A picture containing graphical user interface

Description automatically generated

Supplemental Figure S1. A. Species specific localization of Coprococcus in the gut and breast regulated by diet. B. Prevotella copri and Prevotella stercorea are present in both tissue compartments but is only regulated by diet in the gut. C. Species specific localization of Acinetobacter in the gut and breast regulated by diet.