

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Source data underlying the graphs and charts presented in the main figures

File name: Supplementary Data 2

Description: Statistics summary of Shannon index using the T test with Bonferonni corrections.

File name: Supplementary Data 3

Description: Rescaled data counts obtained from DESeq and used to build the heatmap of figure 6.

File name: Supplementary Data 4

Description: Statistics summary of taxa counts between treatments and diets in each gut region using the Wald test.

File name: Supplementary Data 5

Description: Statistics summary of log2FoldChange taxa for each volcano plots using the Wald test.

File name: Supplementary Data 6

Description: Macronutrient, energy and fatty acid compositions of the HFD-L and HFD-O diets.