Supplementary Data Legends

File name: Supplementary Data 1

Description: Correlation coefficients between cecal fatty acids and bacterial OTUs derived from rCCA analysis. Significant correlations are highlighted in grey (R>0.265, p<0.05 for n=56). Related to Figure 5a,b and Extended Data Figure 6a.

File name: Supplementary Data 2.

Description: Positive and negative significant interactions in network analysis between cecum fatty acids, caeum bacteria and host metabolic features. Related to Figure 5c.