



S3 Fig. Relationship between evenness and the relative proportion of abundant bacterial taxa within the mouse colon. The alpha diversity measurement of bacterial community evenness is shown (x-axes) relative to the proportions of (A) *Allobaculum*, $\rho = -0.8667347$, $p < 2.2 \times 10^{-16}$, (B) *Bacteroidales*, $\rho = 0.5289796$, $p < 0.001$, (C) *Clostridiales*, $\rho = 0.5872449$, $p < 0.0001$, (D) *Lactobacillus*, $\rho = -0.1709184$, $p = 0.2395$ and (E) *Helicobacter*, $\rho = 0.1867347$, $p = 0.1983$ are shown on the y-axis. A regression line showing the linear relationship between evenness and proportion of each bacterial taxa (Spearman) is shown on each graph.