

Top 5 most abundant genera

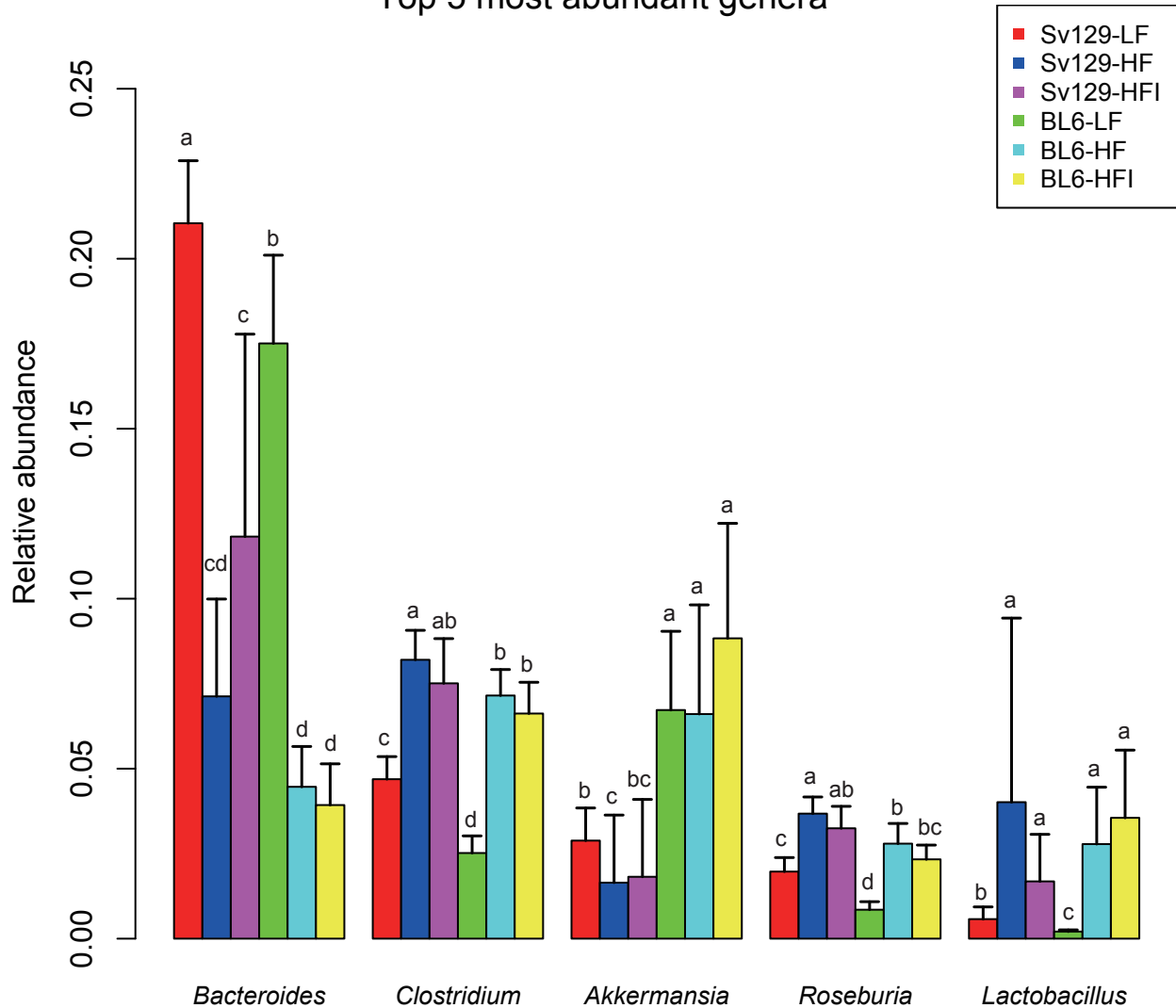


Figure S4. Relative abundance of top 5 genera in relation to mouse strain and diet. In mice fed the HF diet, the abundance of *Bacteroides* decreased, whereas the abundance of *Clostridium*, *Roseburia* and *Lactobacillus* increased. Irrespective of feed, *Bacteroides*, *Clostridium* and *Roseburia* were more abundant in Sv129 mice than in BL6 mice, whereas the relative abundance of *Akkermansia* was higher in BL6 mice than in Sv129 mice. The statistical differences were analyzed by unpaired Wilcoxon Rank-Sum test (with FDR correction). Statistically significant differences ($P < 0.05$) between groups are denoted with different letters (a, b, c, d) on the top of the graphic boxes.