

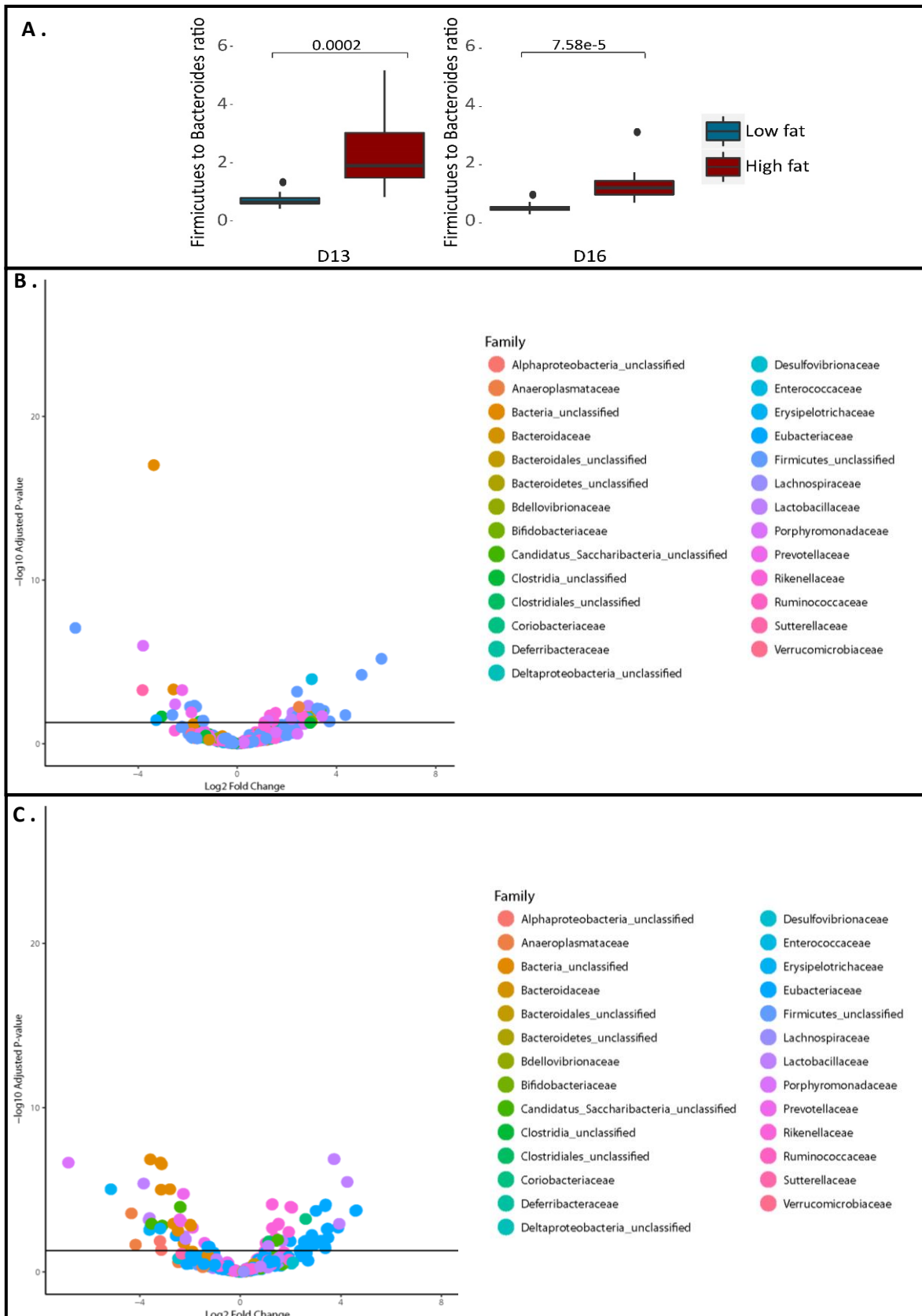
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Supplemental data, Las Heras et al Fig S4.



**Figure S4.  $\beta$ -diversity metrics.** **A.** Changes in Firmicutes to Bacteroidetes bacterial ratio of abundance during dietary shifts (D13 and D16). **B and C.** Changes in total bacterial abundance between low and high-fat diets at the family level. A volcano plot showing the fold change between high and low fat diets at (B. D13 and C. D16). Each point represents an Operational Taxonomic Unit (OTU). The X axis represents in the log<sub>2</sub> of the fold change while the Y axis is the negative log<sub>10</sub> of DESeq2 P values adjusted for multiple testing using the False Discovery Rate method. Points to the right of the plot with positive log<sub>2</sub>FoldChange values represent bacterial taxa with increased abundance in the mice on the high fat diet relative to the mice on the low fat and those with negative log<sub>2</sub>FoldChange values represent bacterial taxa with increased abundance in the low fat diet relative to the high fat diet. The horizontal black line represents the cut off for statistical significance, an adjusted p-value of 0.05.