

Supplementary material:

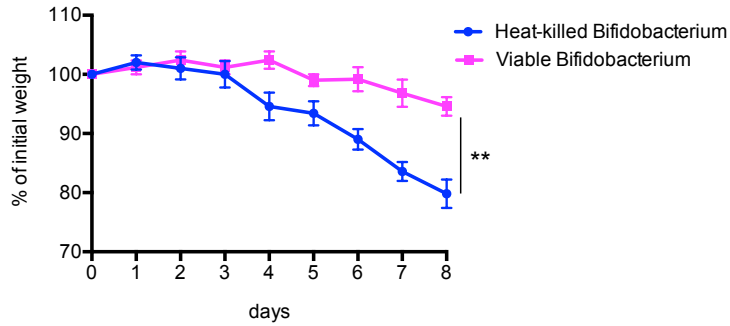


Figure S1 Live *Bifidobacterium* ameliorates gut inflammation.

Percent initial weight of mice with 2.5% DSS-induced colitis injected with an α CTLA-4 mAb and treated with viable *Bifidobacterium* and Heat-killed control. The data are represented as the mean \pm SEM (n=5, ** p<0.01).

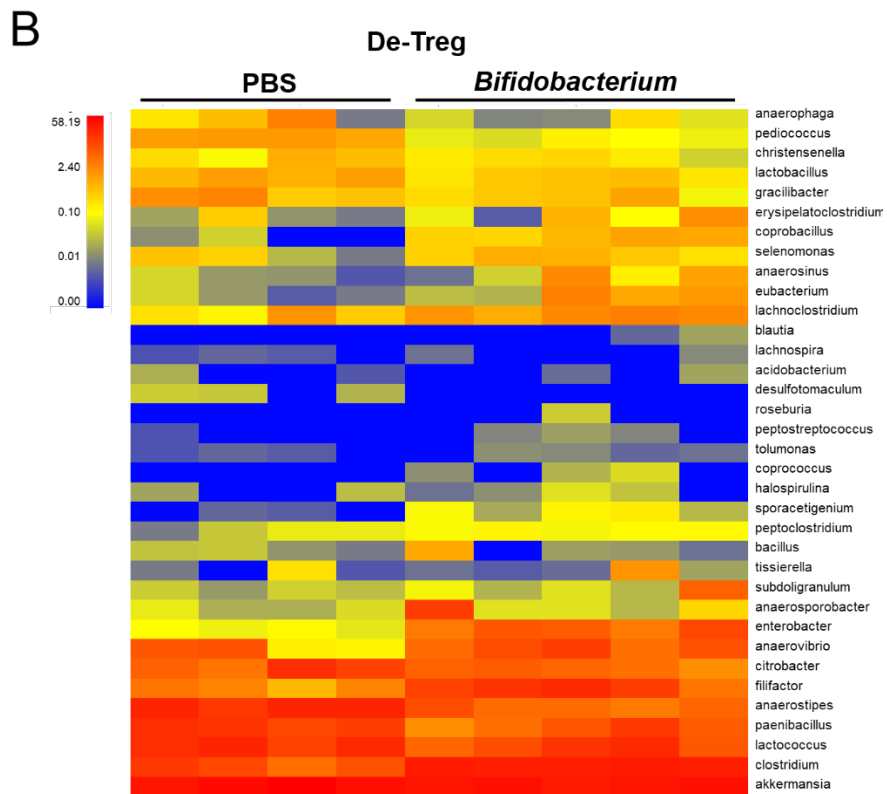
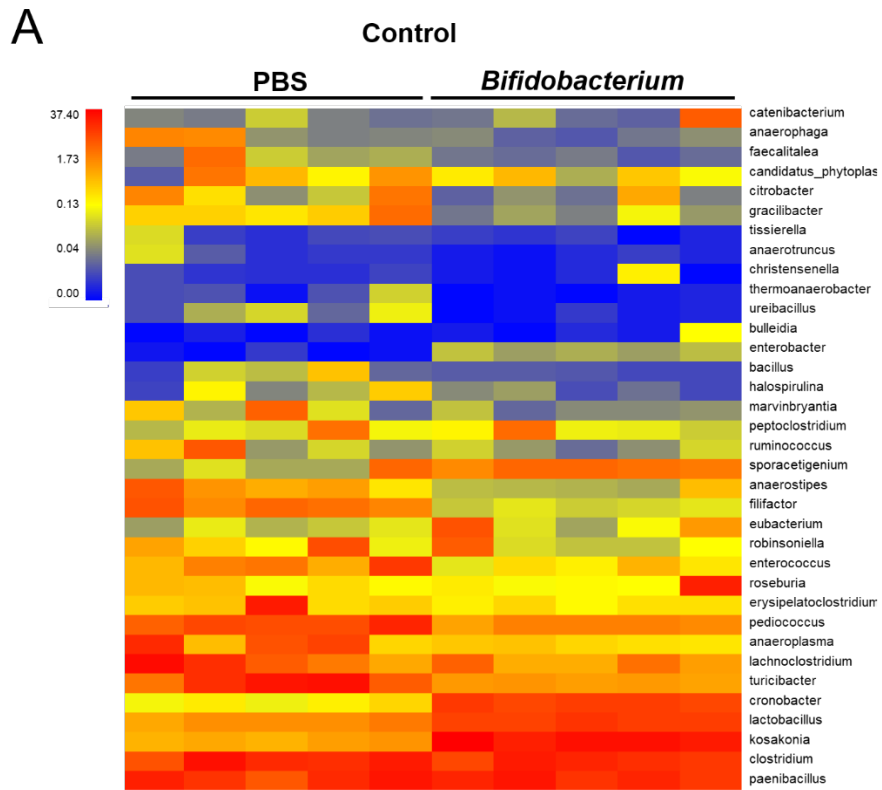


Figure S2.

Heatmap of 16S rRNA sequencing results from PBS or Bifidobacterium-treated control mice (A) and De-Treg mice (B).

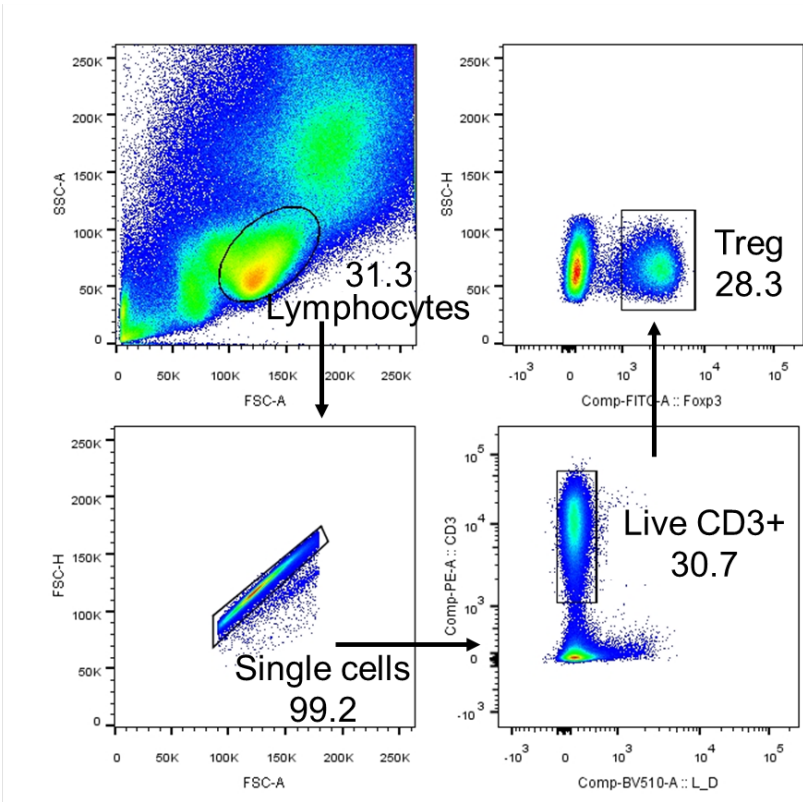


Figure S3.
Gating strategy of colon LP Treg cells.

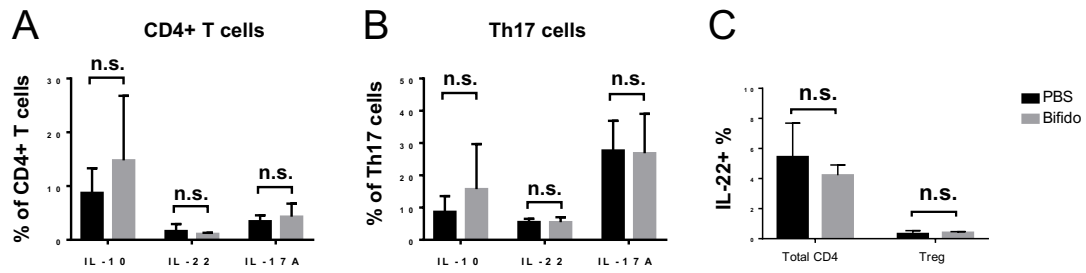


Figure S4.

Flow cytometry results of IL-10, IL-22 and IL-17A in colon LP total CD4+ T cells, Th17 and Treg cells from mice treated with PBS or *Bifidobacterium* (n.s. not significant).

