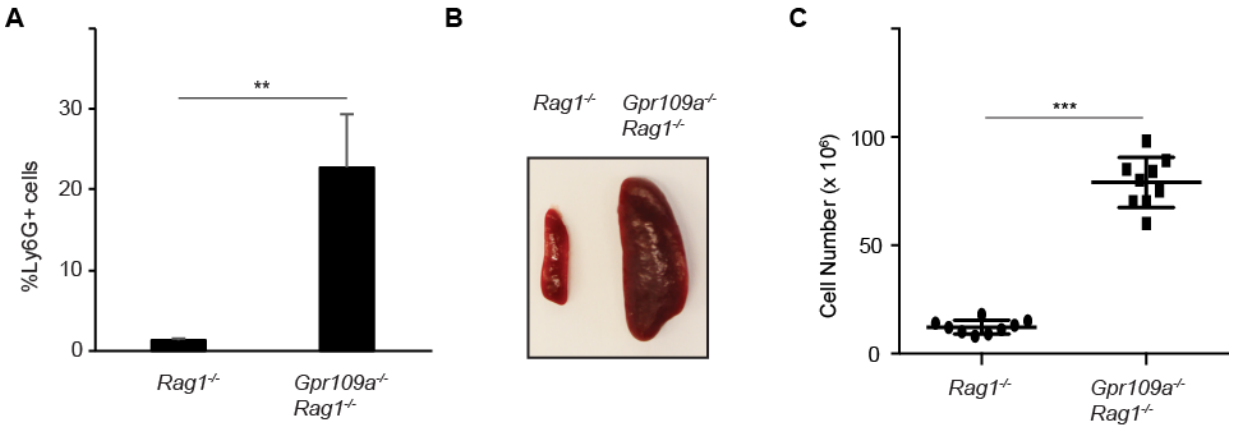
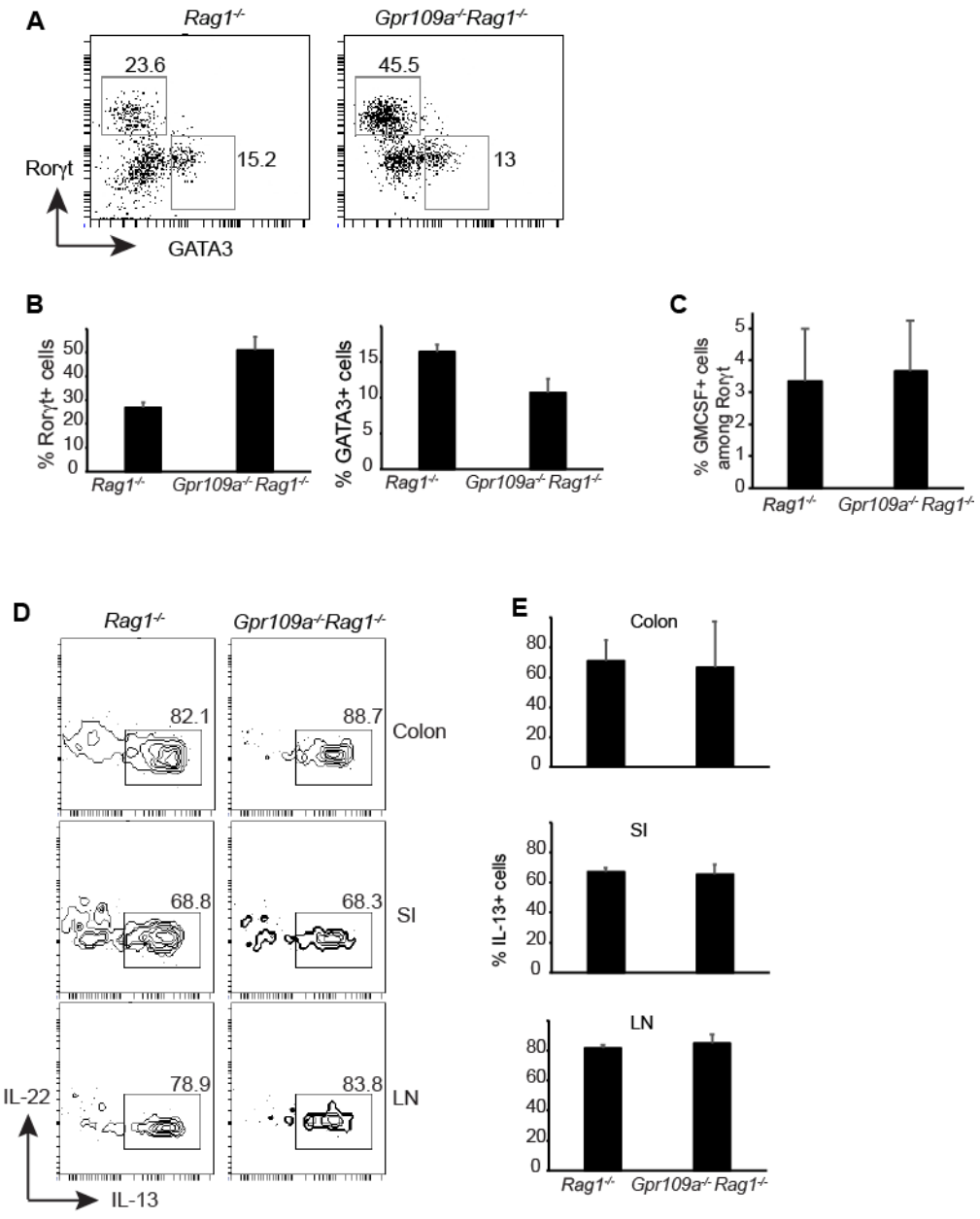
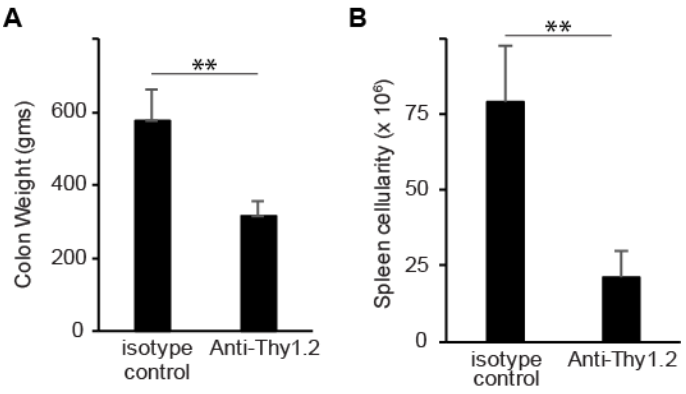


Supplemental FIGURE 1. Colitis in *Gpr109a*$^{-/-}$*Rag1*$^{-/-}$ mice. (A) Frequency of Ly6G^{+} cells among CD45^{+} cells in colons of indicated mice. Error bars represent standard deviation of mean (n = 3 mice/genotype). (B) A representative photograph of spleens of *Rag1*$^{-/-}$ and *Gpr109a*$^{-/-}$ *Rag1*$^{-/-}$ mice. (C) Total number of nucleated cells in spleens of *Rag1*$^{-/-}$ and *Gpr109a*$^{-/-}$*Rag1*$^{-/-}$ mice. Each circle and square represents an individual mouse. Lines represent the mean. n = 9 mice/genotype. *** P<0.0005. A representative or pooled data of at least two experiments is shown.



Supplemental FIGURE 2. Phenotype of ILC3 in *Rag1*$^{-/-}$ and *Gpr109a*$^{-/-}$*Rag1*$^{-/-}$ mice. Frequency (A) and enumeration (B) of Rorγt^{+} and GATA3^{+} cells among CD45^{+}Thy1.2^{+} cells in small intestine of indicated mice (n = 5 mice/group). (C) Frequency of GM-CSF producing cells among CD45^{+}Thy1.2^{+} Rorγt^{+} cells following stimulation with PMA and ionomycin (n = 3 mice/group). (D) IL-13 production by CD45^{+}Thy1.2^{+} GATA3^{+} cells from indicated mice *in vitro* following stimulation with PMA and ionomycin. (E) Enumeration of IL-13^{+} cells in D. Error bars represent standard deviation of mean. (n = 3 mice/group). A representative or pooled data of at least two experiments is shown.



Supplemental FIGURE 3. Colon mass and total number of cells in spleens of *Gpr109a*$^{-/-}$*Rag1*$^{-/-}$ mice treated with anti-Thy1.2 or isotype control antibody. Error bars represent standard deviation of mean (n = 7 mice/group). ** $P<0.005$. Pooled data of at least two experiments is shown.