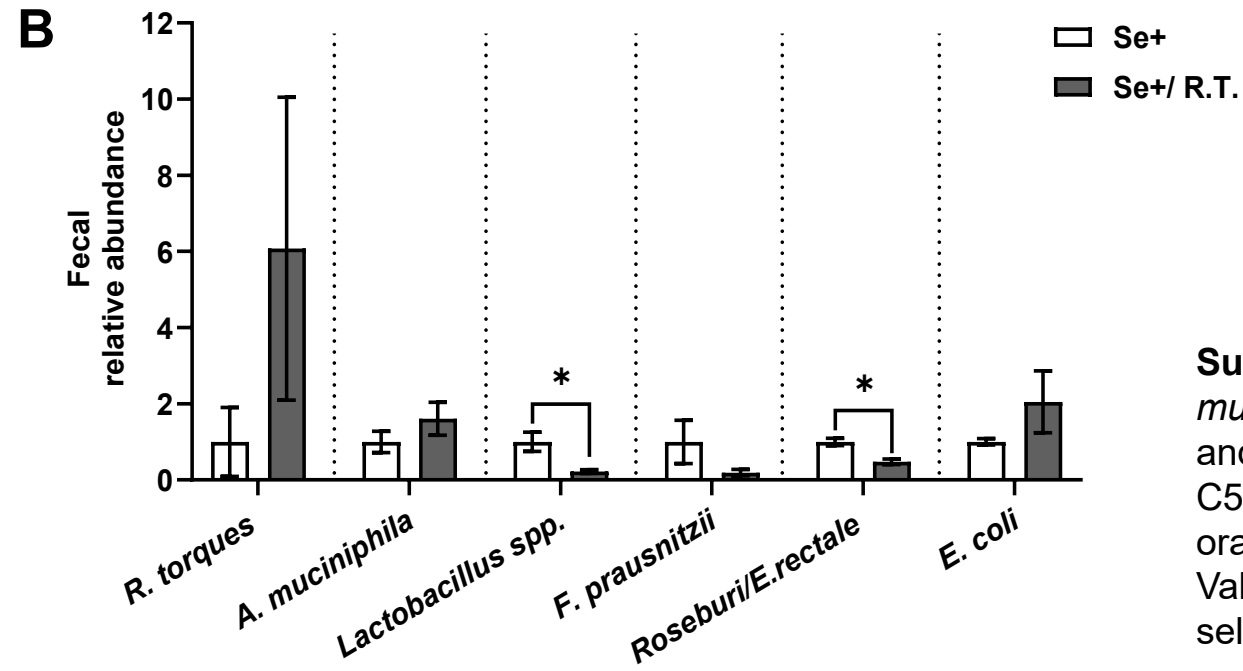
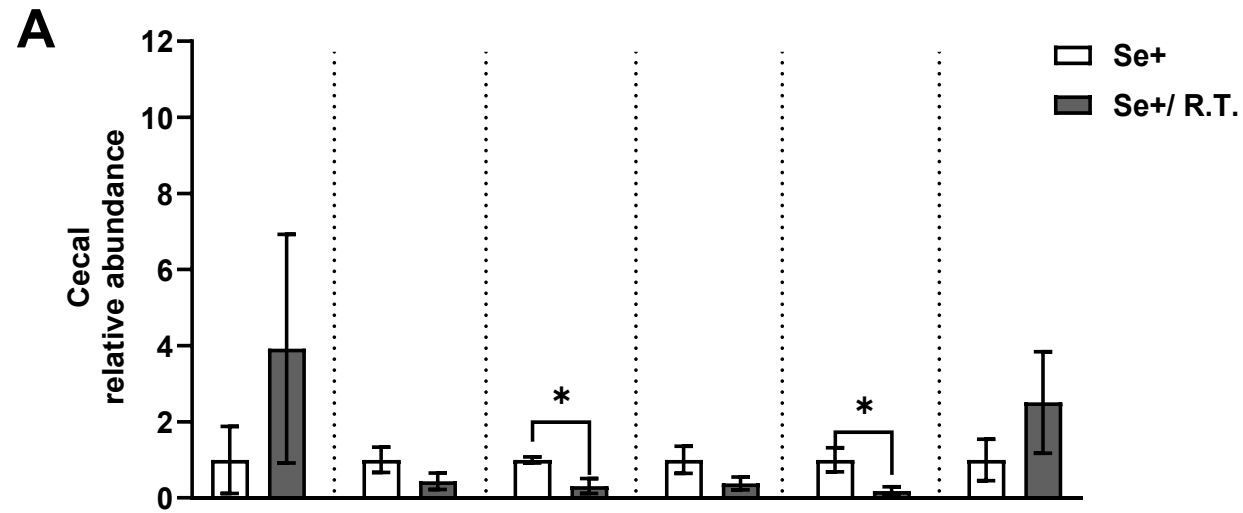
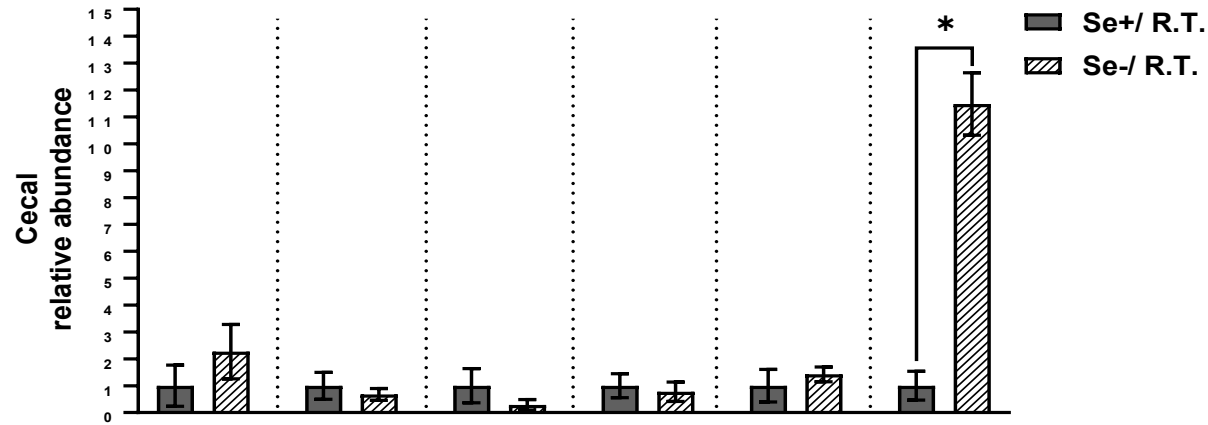
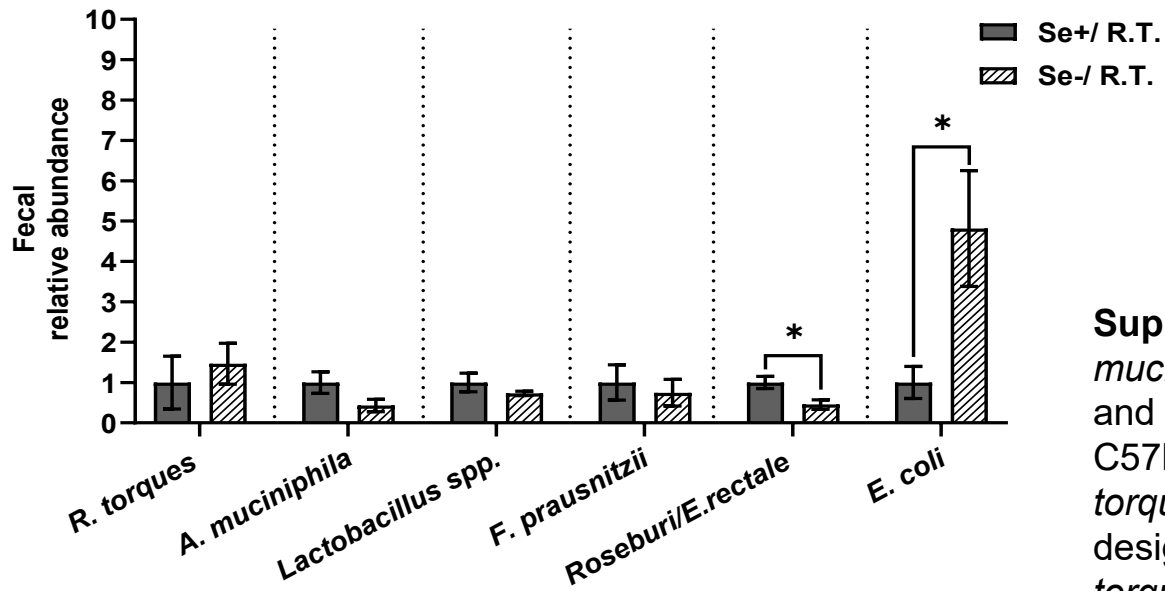




Supplemental Figure 1. Relative abundance of *R. torques*, *A. muciniphila*, *Lactobacillus spp.*, *F. prausnitzii*, *Roseburi/E. rectale*, and *E. coli* in cecal (A) and fecal (B) samples from female C57BL/6J mice fed a Se-adequate diet with *R. torques* or mock oral gavage (See Figure 1A for detailed experimental design). Values are means $\pm$ SEMs ($n = 4$). * $P < 0.05$. R.T., *R. torques*; Se+, selenium-adequate diet; Se-, selenium-deficient diet.

A**B**

Supplemental Figure 2. Relative abundance of *R. torques*, *A. muciniphila*, *Lactobacillus spp.*, *F. prausnitzii*, *Roseburia/E. rectale*, and *E. coli* in cecal (A) and fecal (B) samples from female C57BL/6J mice fed a Se-adequate or Se-deficient diet with *R. torques* oral gavage (See Figure 1A for detailed experimental design). Values are means $\pm$ SEMs ($n = 4$). * $P < 0.05$. R.T., *R. torques*; Se+, selenium-adequate diet; Se-, selenium-deficient diet.