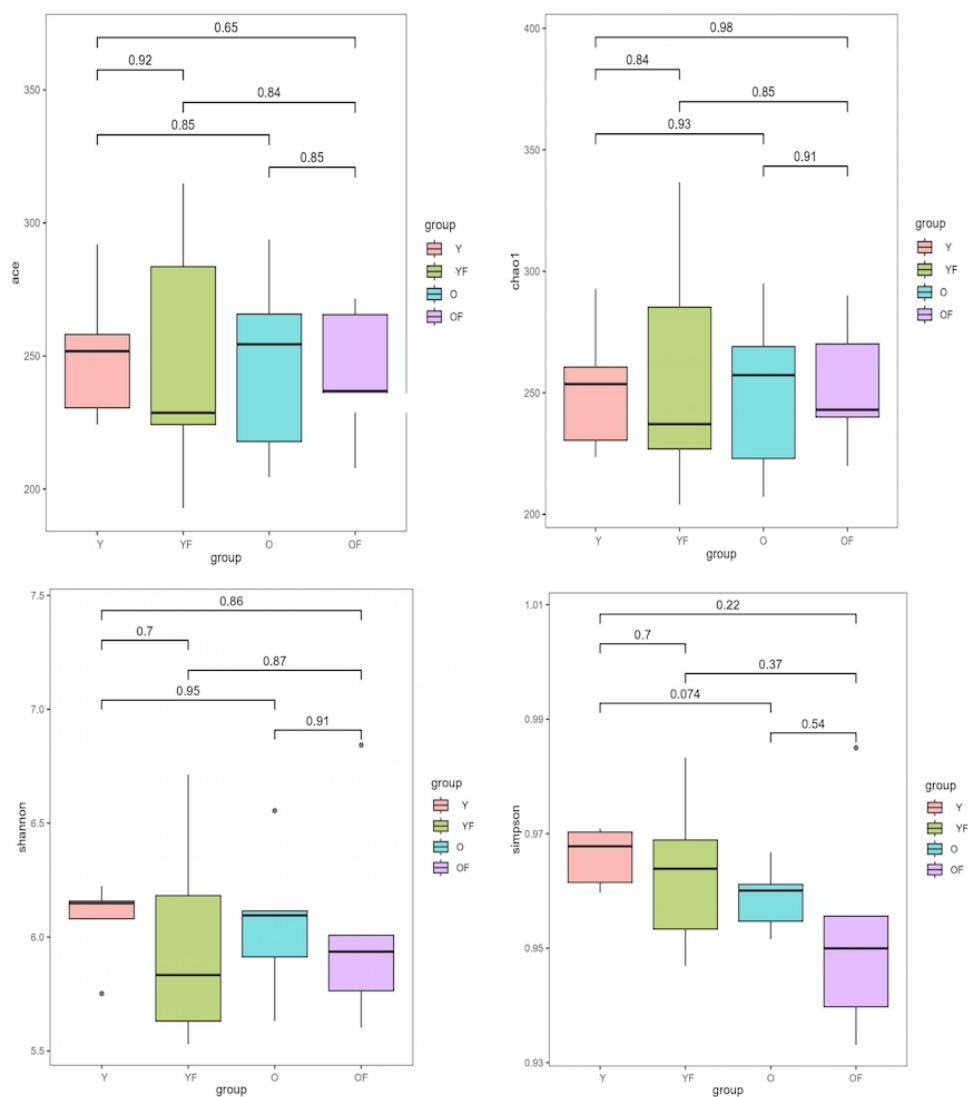


SUPPLEMENTARY DATA

**Fecal Microbiota Transplantation Attenuates Frailty *via*  
Gut-Muscle Axis in Old Mice**

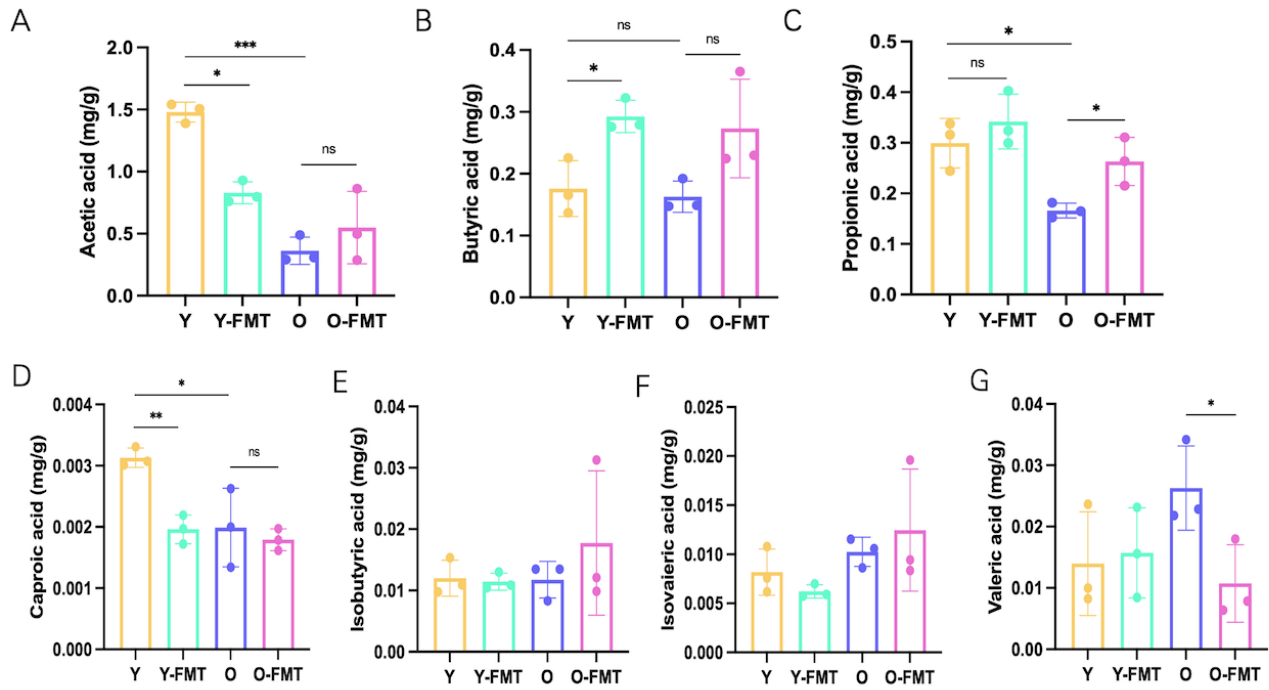
**Mengpei Zhu, Yumei Huang, Ziwen Wang, Ze Jin, Jiali Cao, Qiangqiang Zhong, Zhifan Xiong**

# SUPPLEMENTARY DATA

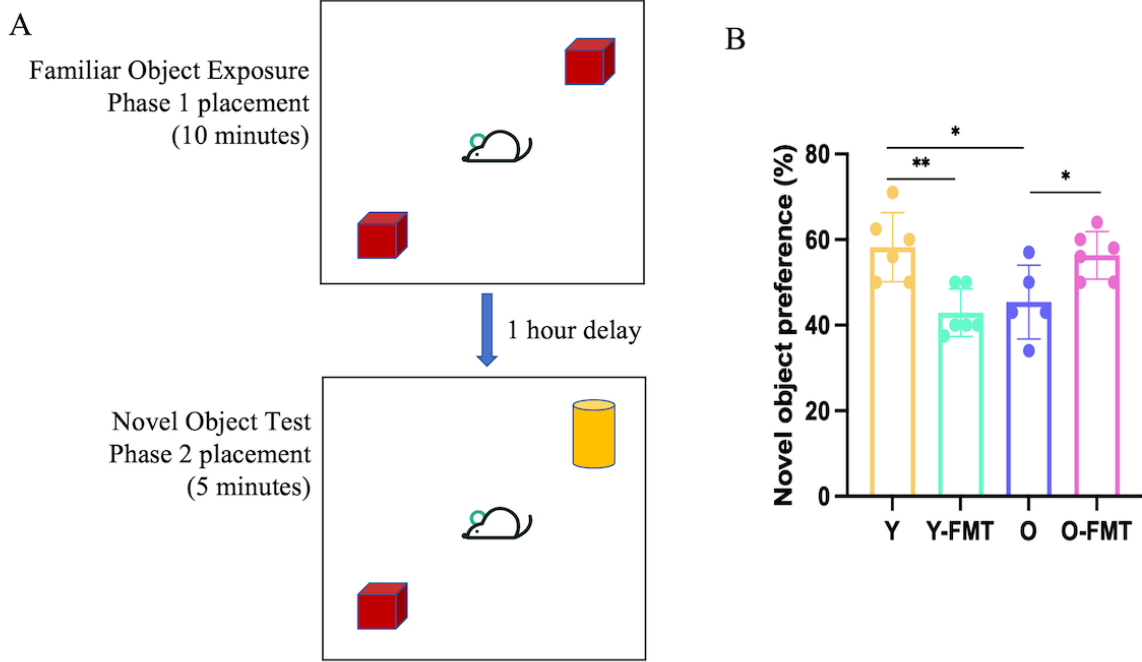


**Supplementary Figure 1. Analysis of  $\alpha$  diversity of gut microbiota by Ace, chao1, Shannon, and Simpson analysis. N=5/group.**

# SUPPLEMENTARY DATA



**Supplementary Figure 2. FMT improves SCFA levels.** (A) Acetic acid level. (B) Butyric acid levels. (C) Propionic acid levels. (D) Caproic acid levels of four groups. (E) Isobutyric acid level of four groups. (F) Isovaleric acid levels of four groups. (G) Valeric acid levels of four groups. N=3/group. \*p < 0.05, \*\*p < 0.01, \*\*\*p < 0.001.



**Supplementary Figure 3. Novel Object Test.** (A) Schematic diagram of the Novel Object Test. (B) Results of the Novel Object Test. N=5-6/group. \*p < 0.05, \*\*p < 0.01, \*\*\*p < 0.001.