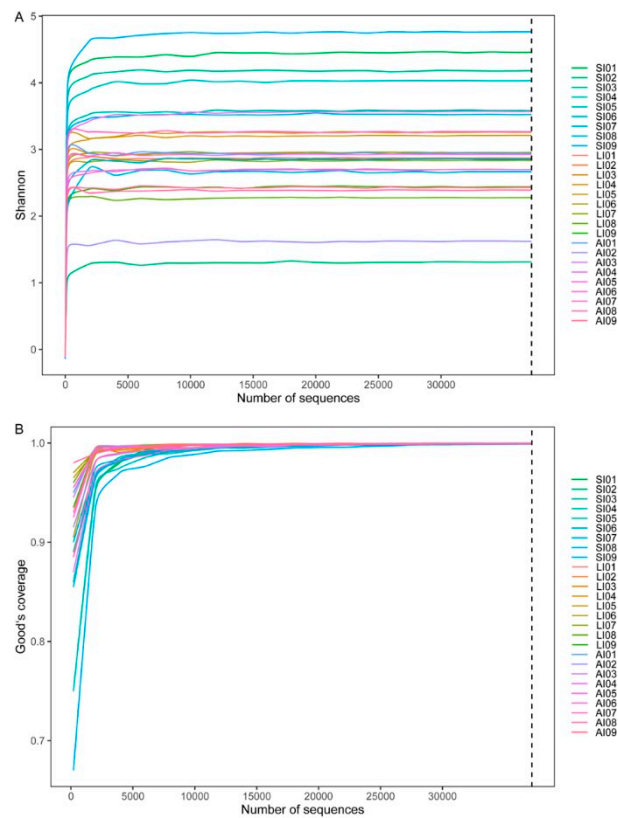
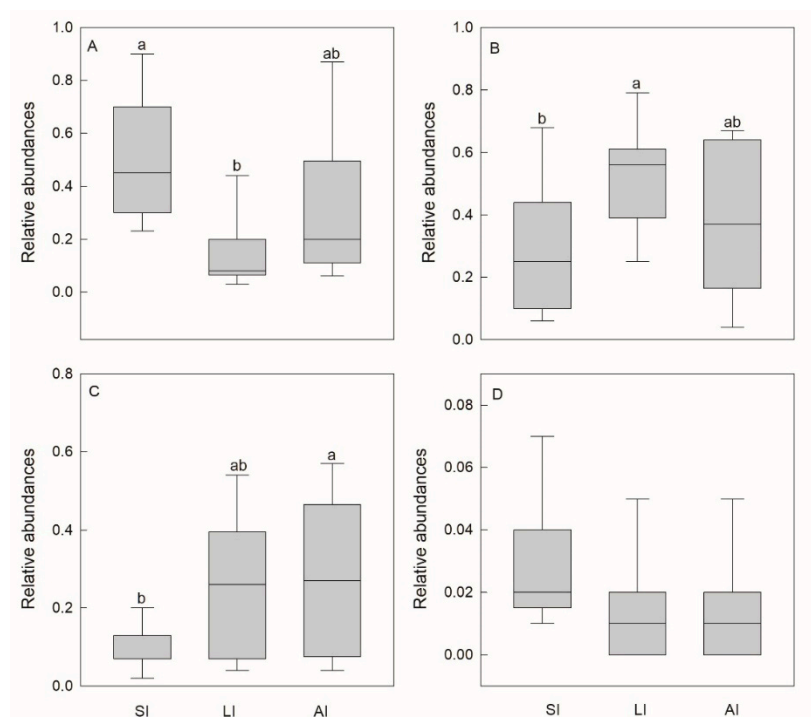


## Supplementary Materials



**Figure S1.** Alpha diversity index curve. Shannon index curve (A) and Good's coverage index curve (B).



**Figure S2.** The relative abundance of phylum among three groups, *Proteobacteria* (A), *Firmicutes* (B), *Bacteroidetes* (C) and *Actinobacteria* (D). SI: sample from small intestine, LI: sample from large intestine, and AI: sample from large intestine when individuals are free-living.