**Supplement**

**Fig.S1** Identification of *Prevotella copri* (*P. copri*) and *Lactobacillus murinus* (*L. murinus*).



The *P. copri* and *L. murinus* were validated by two methods. (A) Under oil microscope, *P. copri* was gram-negative and *L. murinus* was gram-positive. (B) The specific primers of *P. copri*, *L. murinus* and the universal primers EUB were used for PCR verification, and the bands were visible by 2% agarose gel electrophoresis.