

Supplementary Material

- 1 Supplementary Tables and Figures
- 1.1 Supplementary Tables



Supplementary Table S1. The mobile phase gradient of LC-MS.

Supplementary Table S2. Analysis of the extract of ACE by LC-MS.

Supplementary Table S3. Primer sequences used in qRT-PCR.

Supplementary Figure S1. The composition of gut microbiota in mice from different groups. (A) The rarefaction curves of two groups. (B) The shannon curves of two groups. (C) Firmicutes/Bacteroidetes ratio of two groups. (D) Average relative abundance at the class level in each group. (E) The statistical analysis of microbiota at the class level. (F) Average relative abundance at the order level in each group. (G) The statistical analysis of microbiota at the order level. (H) The bacterial clades shown with the taxonomic cladogram. Biomarker taxa are highlighted by colored circles and shaded areas. Each circle's diameter reflects the abundance of that taxa in the community. (I) Bacterial clades between two groups analyzed by Linear discriminant analysis (LDA) coupled with effect size (LEfSe). Statistical analysis of Firmicutes/Bacteroidetes ratio was conducted by using an independent student-t test, and data were shown as means \pm S.E.M (n = 8 per group). Statistical analysis was conducted at the Class and Orde taxonomical level by using Wilcoxon rank-sum test, separately (n = 8 per group). *P < 0.05; **P < 0.01; ***P < 0.001.