## Supplementary Material

## **Supplementary Figures**

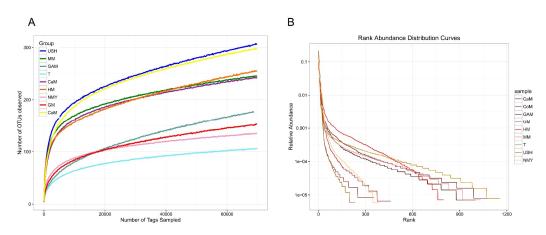
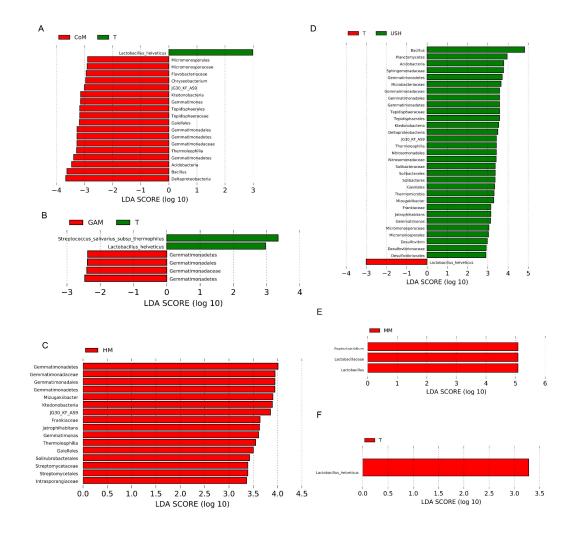
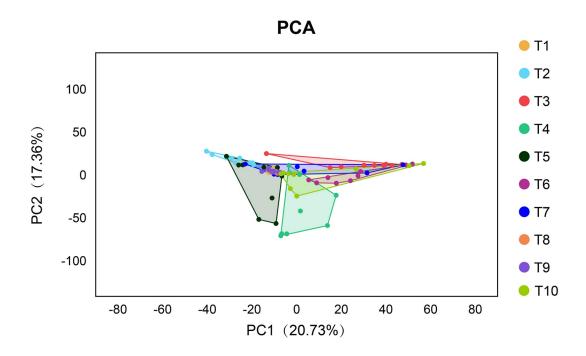


Figure S1. Species accumulation curve and the rarefaction curve.



**Figure S2.** LefSe analysis. (A) Cow milk; (B) Gifu anaerobic medium; (C) Human milk; (D) USH infant formula powder; (E) Mare milk; (F) Goat milk. All LDA score (log 10) > 2.



**Figure S3.**  $\beta$ -diversity principal component analysis among microbiota of ten fecal donors after 24 h fermentation.