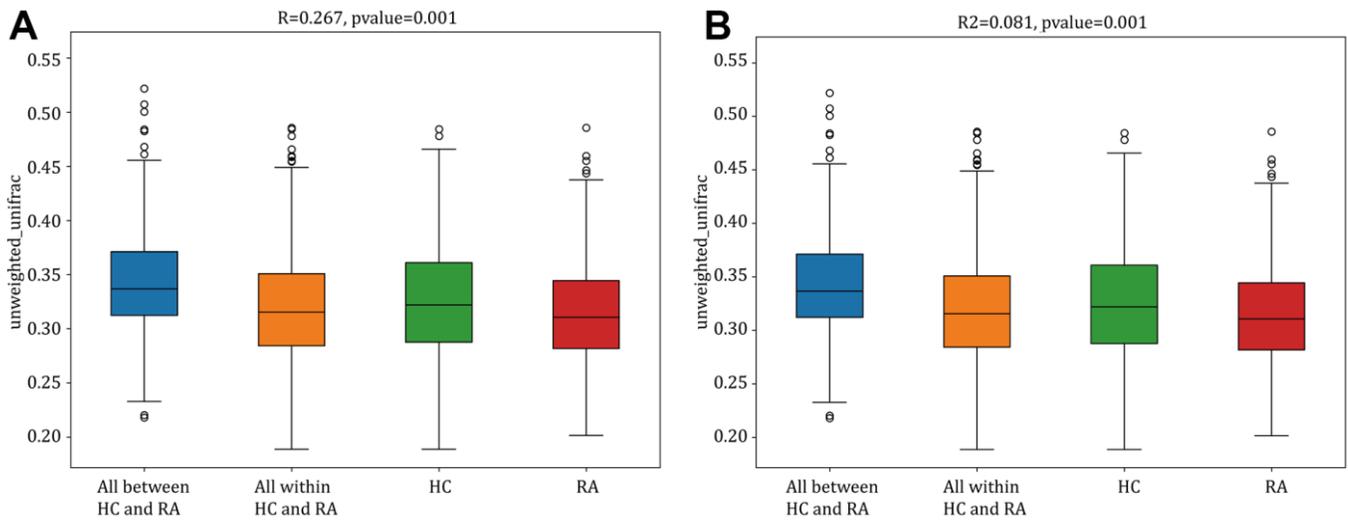
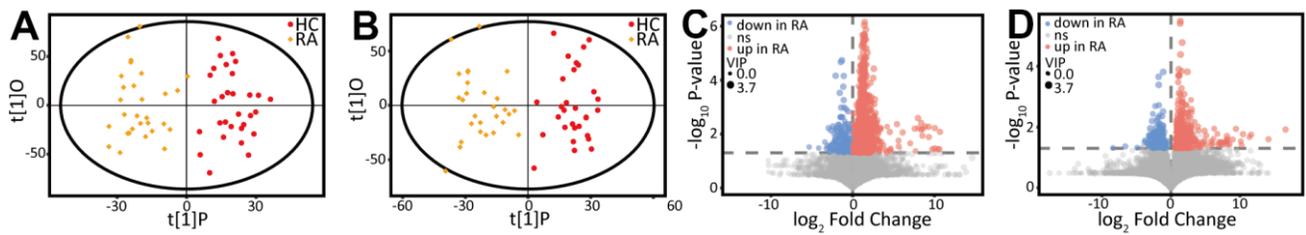


SUPPLEMENTARY FIGURES



Supplementary Figure 1. β -diversity analysis showed that there was a significant difference between HC and RA group. (A) PERMANOVA analysis ($p = 0.001$), (B) ANOSIM analysis ($p = 0.001$).



Supplementary Figure 2. OPLS-DA score plots of fecal samples. (A) Negative ion mode, and positive ion mode (B), one dot represent one sample. Volcano plot of fecal samples. (C) Negative ion mode and (D) positive ion mode. Red dot represent significantly up-regulated in RA group, blue dot represent significantly down-regulated in RA group, one dot represent one differential metabolite.