



**Supplementary Figure 1.** Principle component analysis on gut microbiota among groups (H1F, represented adult healthy controls of Han population; H2F, represented healthy children of Han population; H3F, represented adult T2D patients of Han population; D1F, represented adult healthy controls of Dai population; D2F, represented healthy children of Dai population; D3F, represented adult T2D patients of Dai population).