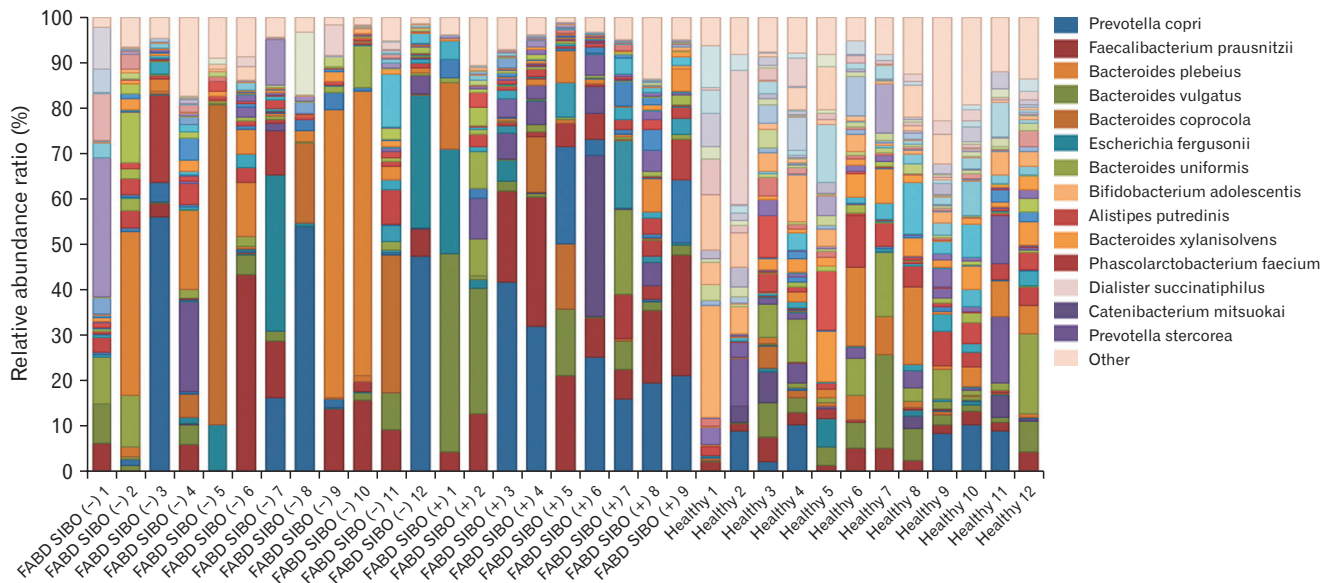


**Supplementary Figure 1.** Principle coordinate analysis with 3-dimensional plot between healthy controls and patients with functional abdominal bloating and distention (FABD). PC, principal component.



**Supplementary Figure 2.** Relative abundance of microbiota at the species level in all individual participants. Legends indicate the top 15 bacterial genera or species that were detected. FABD, functional abdominal bloating and distention; SIBO, small intestinal bacterial overgrowth.