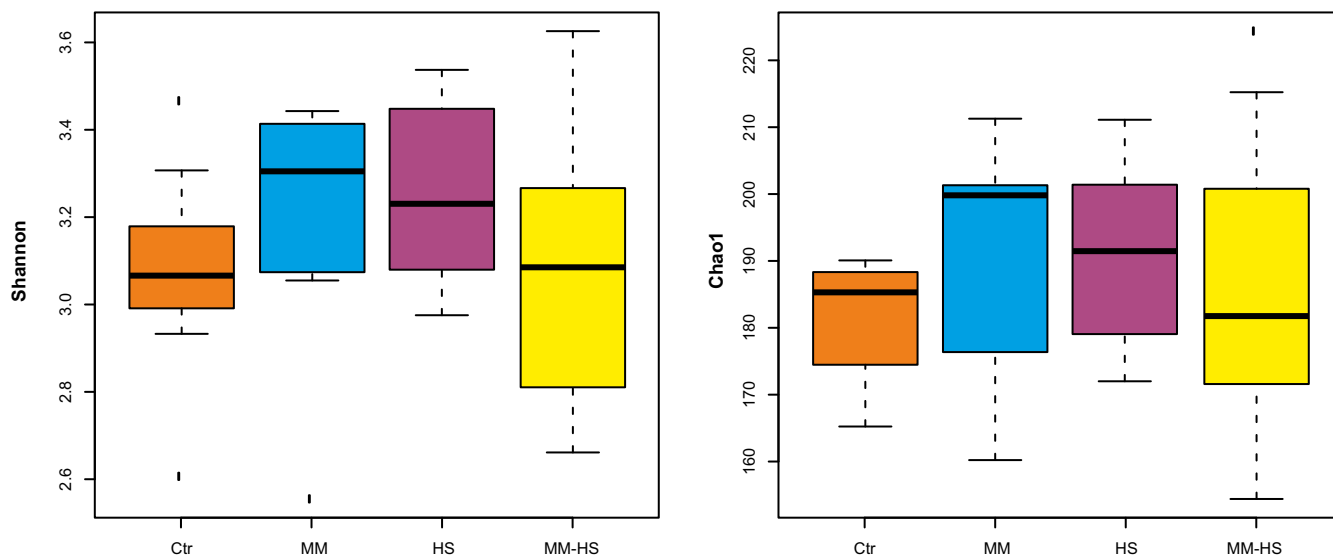
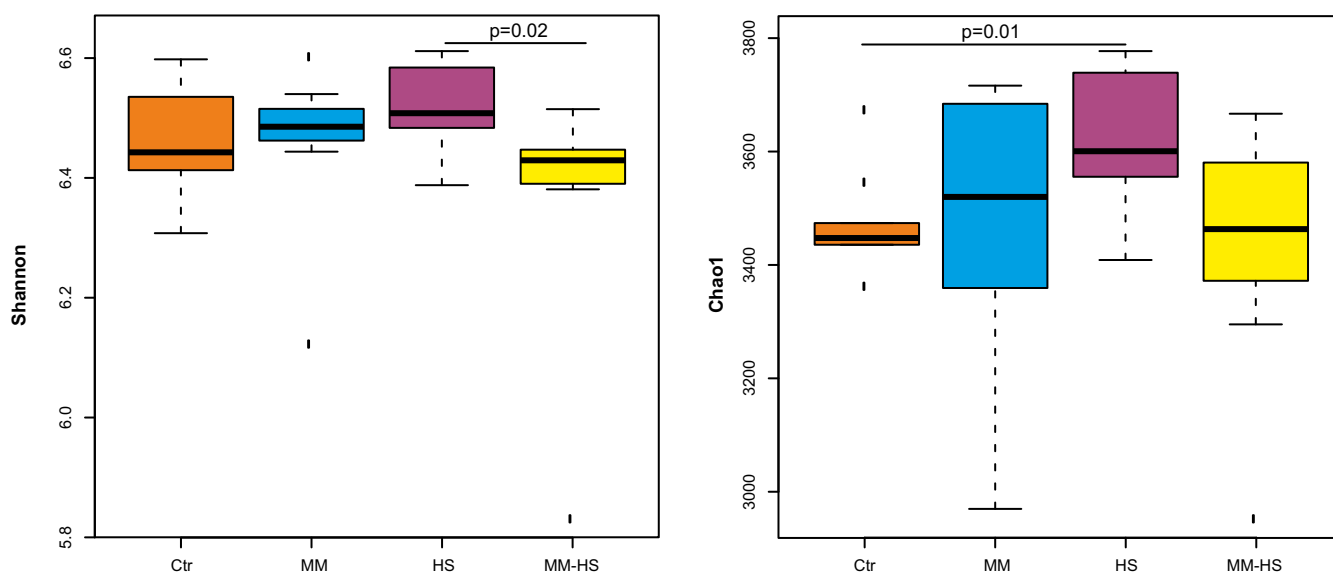
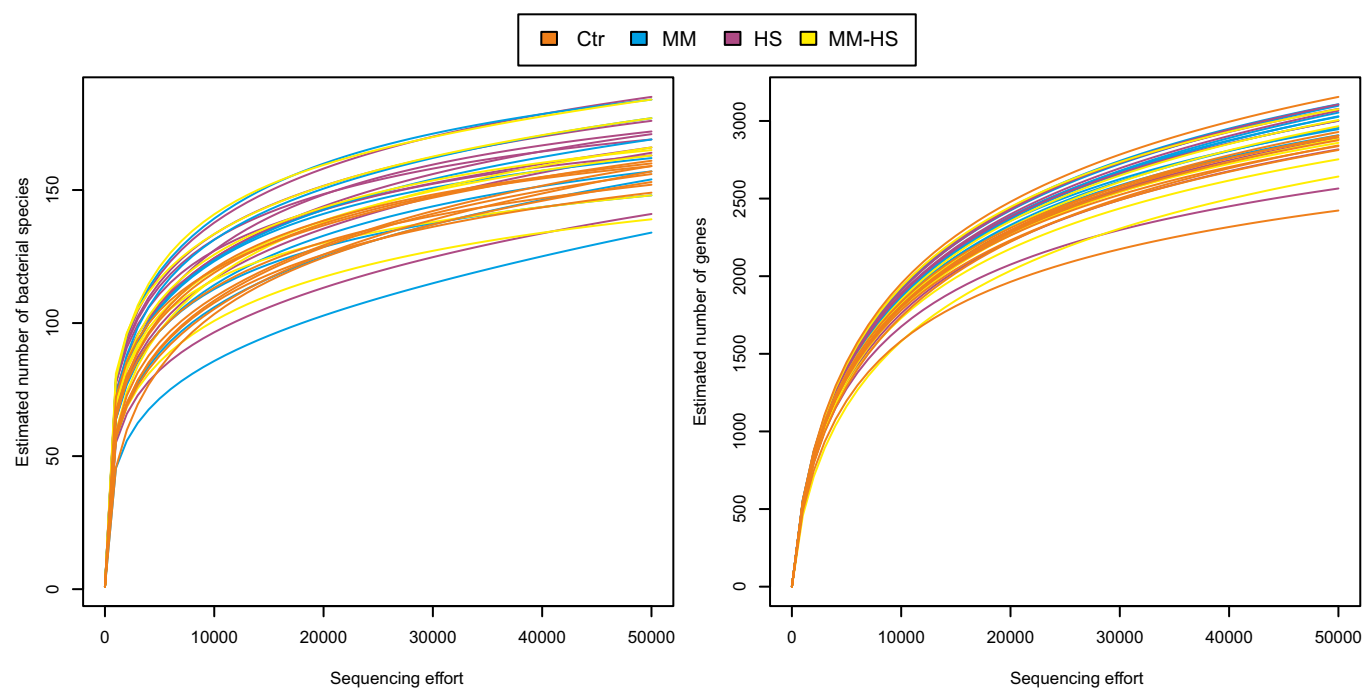
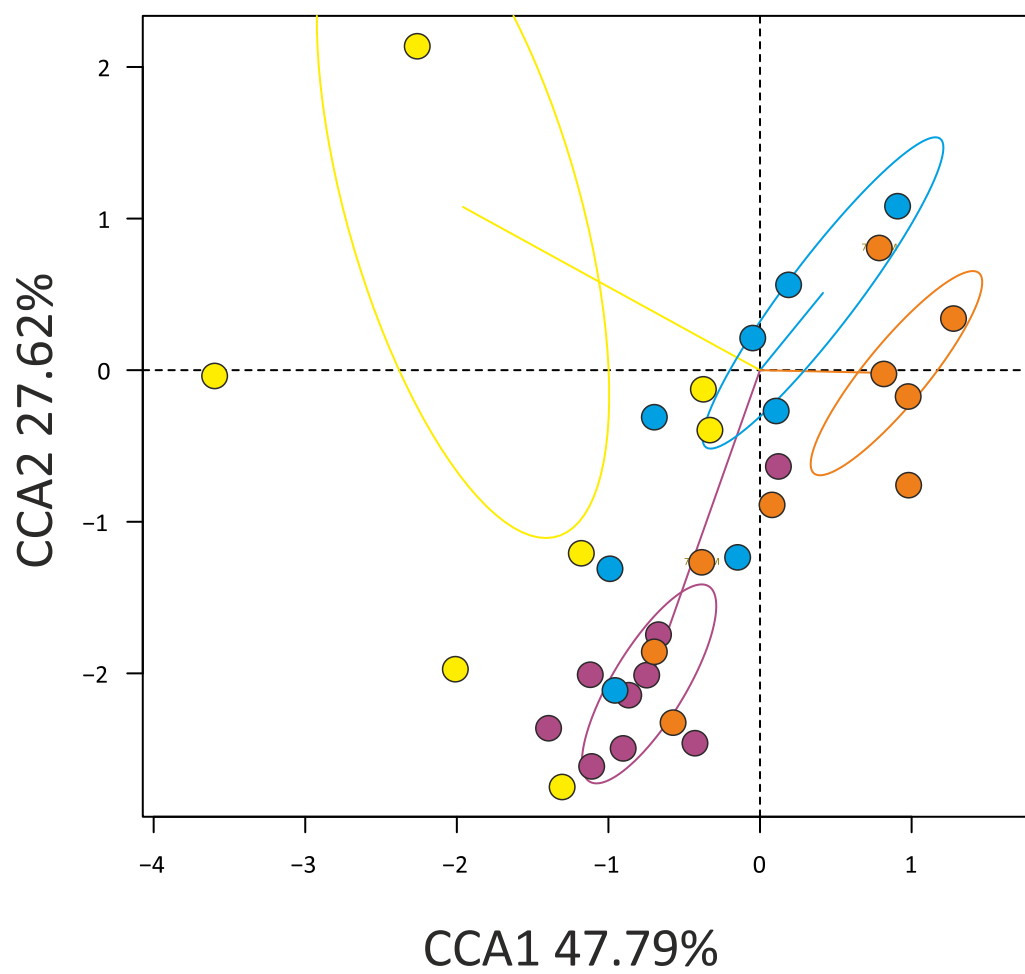


Supplementary Figure 1. Bacterial and functional diversity in tongue biofilms from halitosis and halitosis-free individuals. Diversity (Shannon) and richness (Chao1) indexes were calculated using both the number of bacterial species (A) and genes (B) detected in the metatranscriptomes, obtained by Nextseq Illumina RNAseq. Rarefaction curves (C) were calculated for the same number of reads in each sample (5×10^4), annotated to a bacterial species (left) or a gene (right). Differences were calculated using Wilcoxon test.

Supplementary Figure 2. Functional differences between halitosis groups. The graph shows the results of a Canonical Correspondence Analysis (CCA) based on microbial gene expression in the different groups studied (*Ctr*, *MM*, *HS* and *MM-HS*). An ADONIS test was used.

A**B****C**

CCA p-value:0.001 - ADONIS p-value: 0.27



● Ctr ● MM ● HS ● MM-HS