

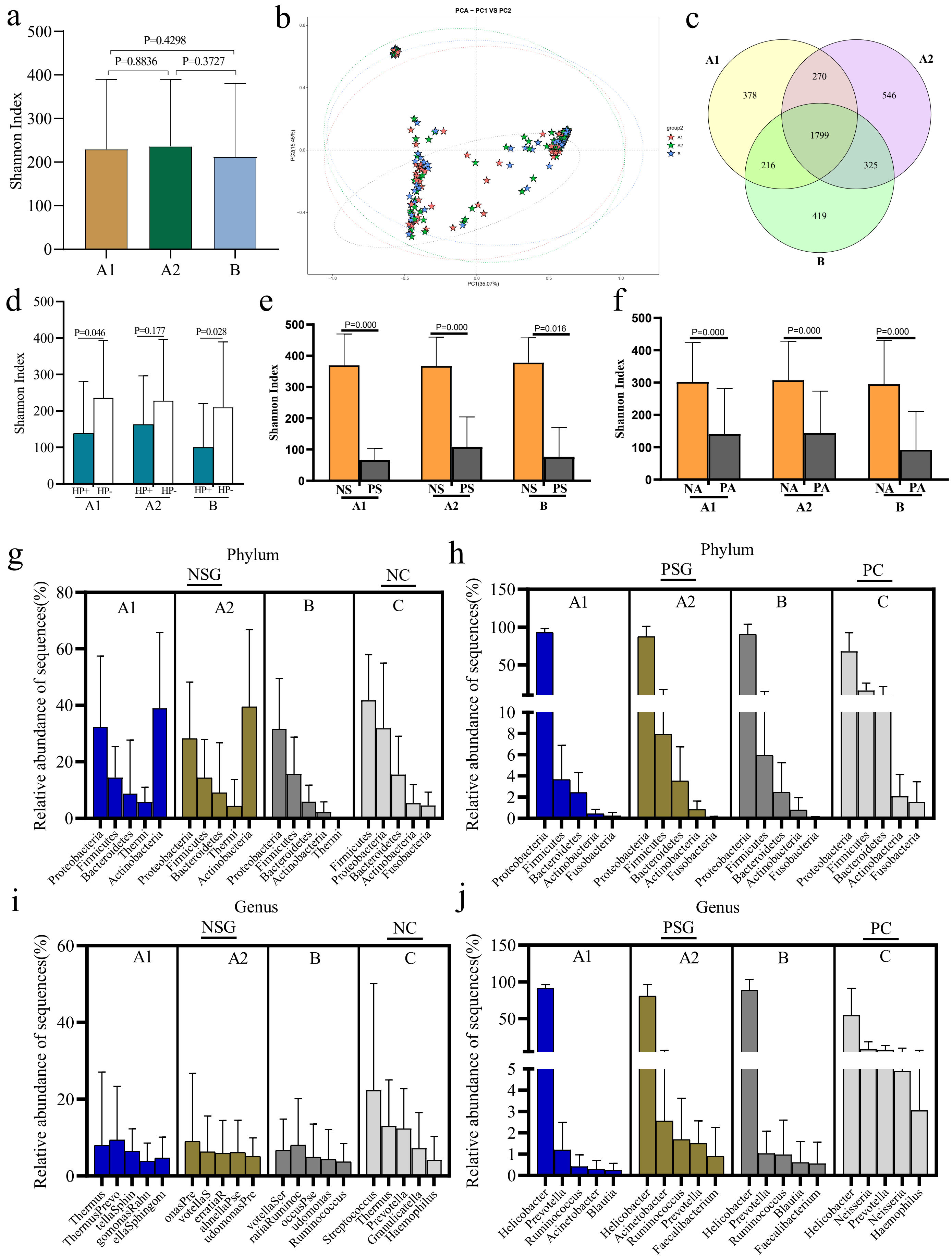


Figure S7

(a) Shannon index of microbial diversity in three anatomical sites.

(b) PCA analysis of all samples in three anatomical sites.

(c) Venn diagram of OTUs in three anatomical sites.

(d-f) Comparison of diversity indices of *Helicobacter pylori* infection in different anatomical sites.

(g-h) The top 5 phyla of the three anatomical sites compared to the cancer, in infected and uninfected groups respectively.

(i-j) The top 5 genera of the three anatomical sites compared to the cancer, in infected and uninfected groups respectively.

A1: antrum of stomach; A2: angle of stomach; B: gastric body