

Figure S1: Study Design



Figure S2: bacterial community composition for 7 culture negative samples. Samples ending with 'B' correspond to those with EnzD.

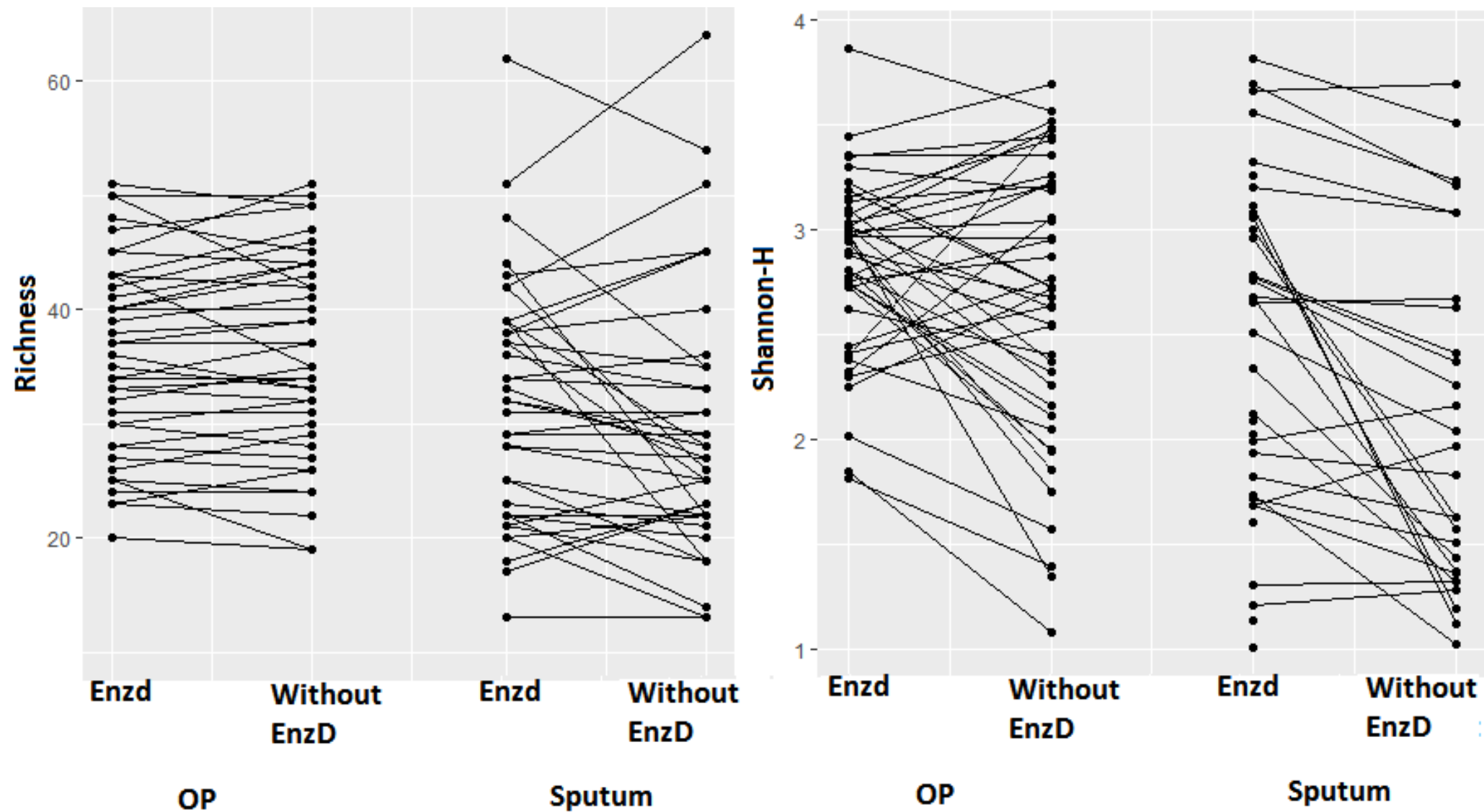


Figure S3: Changes in alpha diversity, richness (left) and Shannon H (right) between EnzD and nonEnzD for OP and sputum samples.

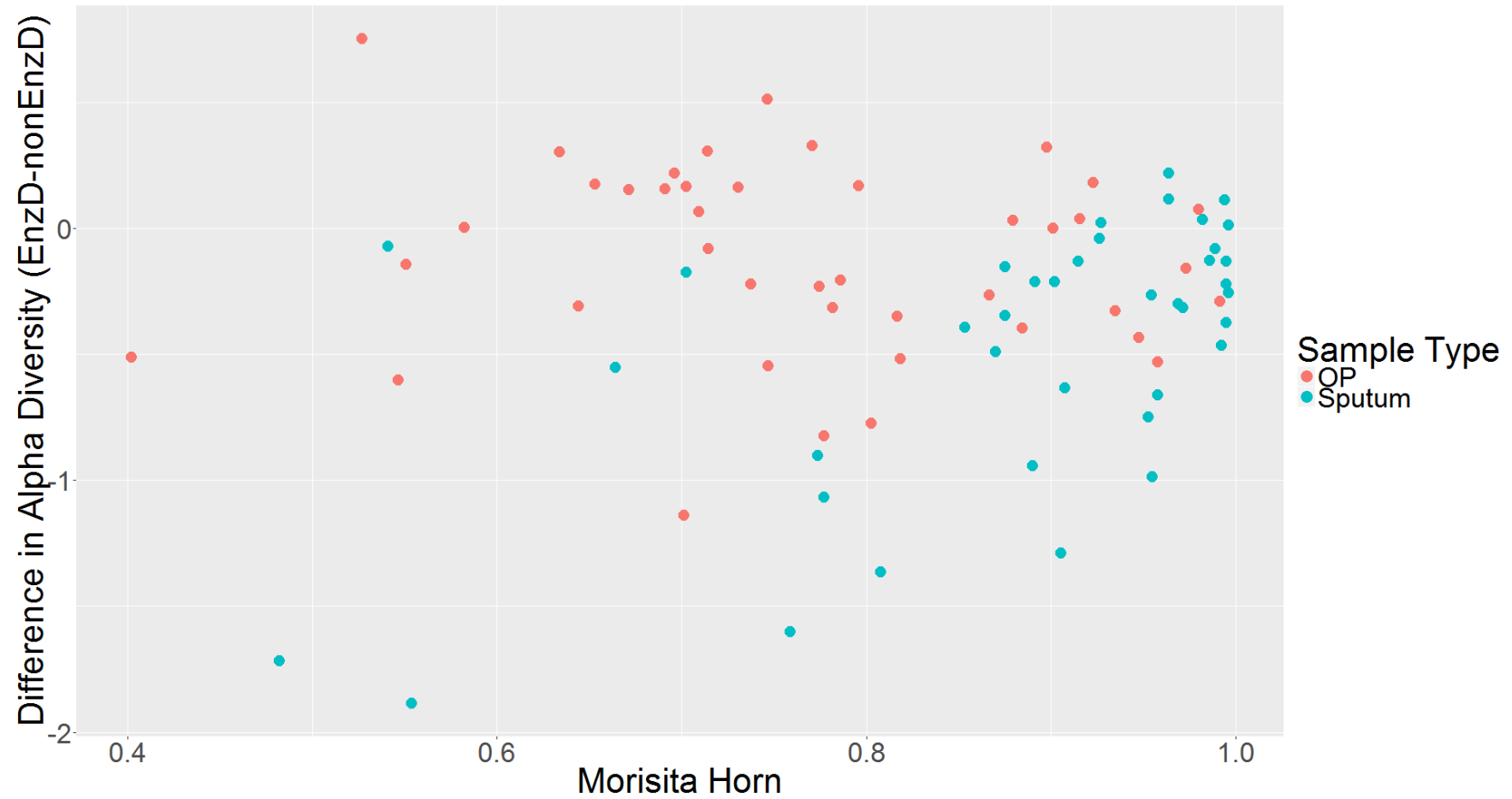


Figure S4: Changes in alpha diversity (EnzD-nonEnzD) versus MH. Positive values along the y-axis represent higher diversity without digestion.

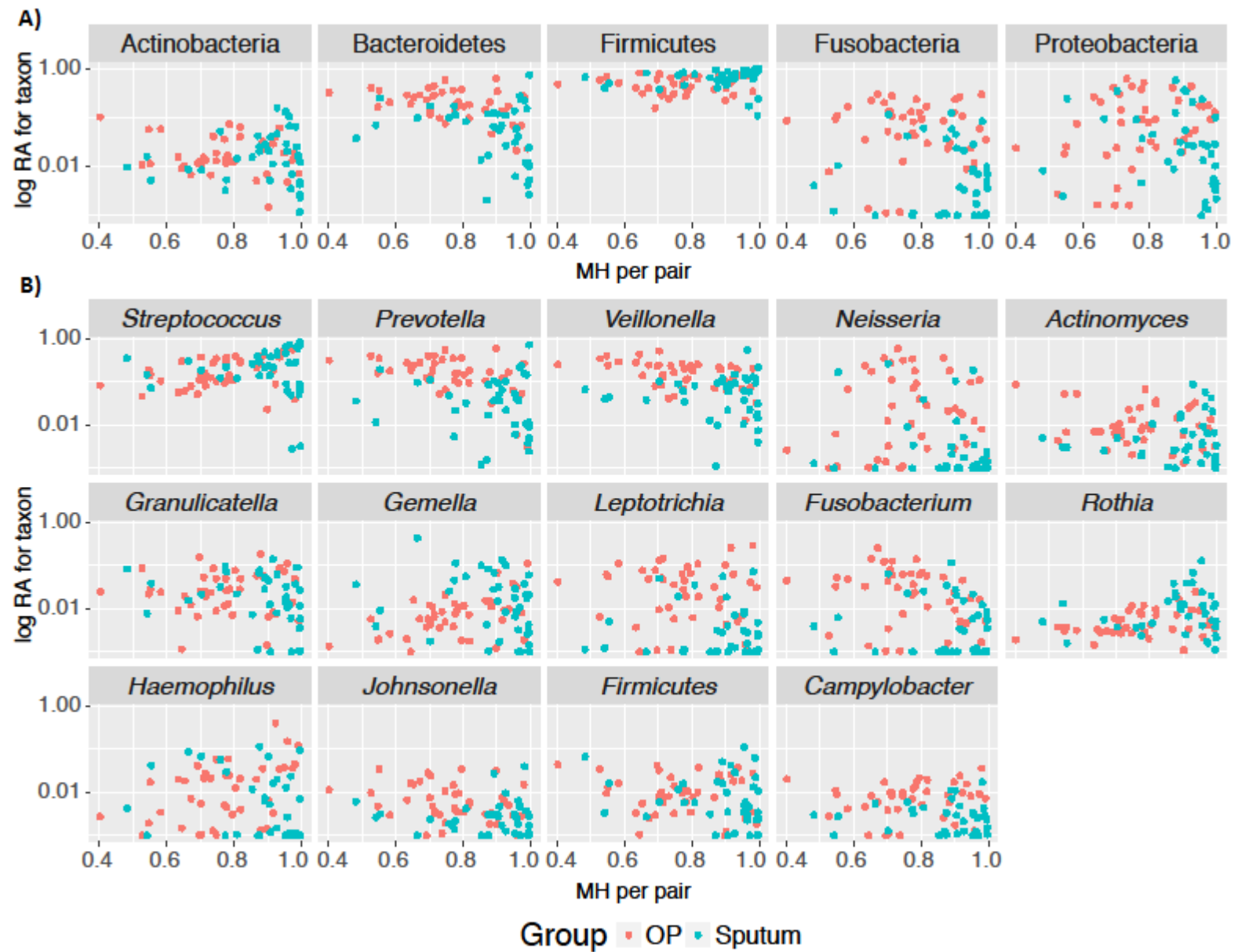


Figure S5: Scatterplots of relative abundance in non-EnzD sample versus MH of paired samples for specific phyla (left) and genera (right). OP samples are shown in red and sputum in blue