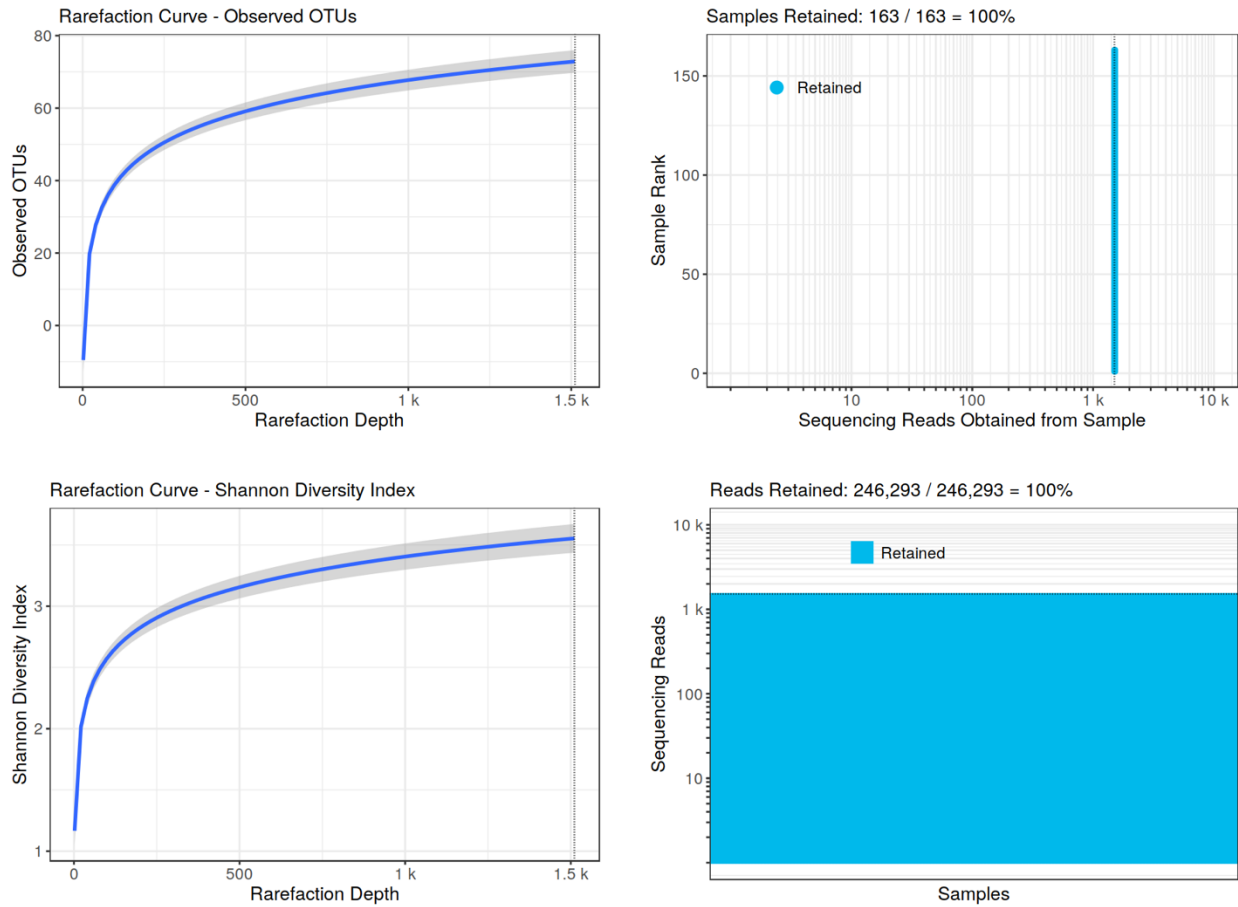
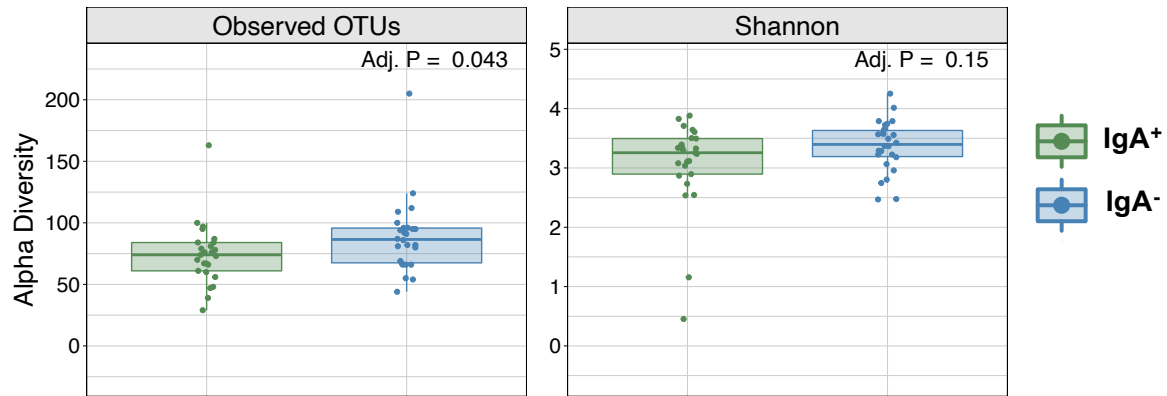


Supplementary Material

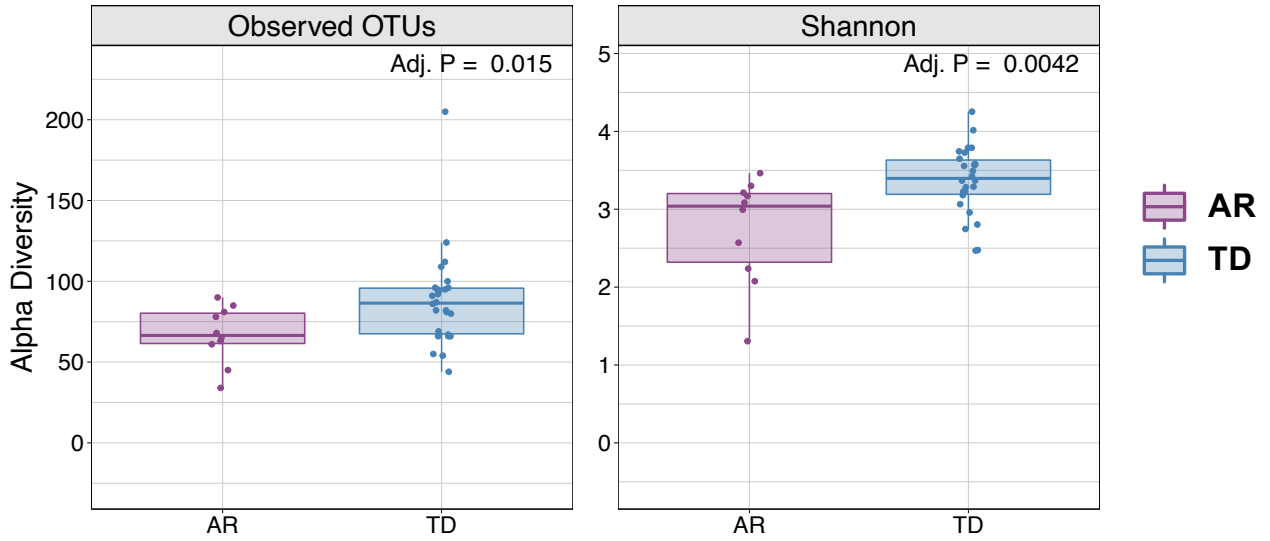
IgA-Biome Profiles Correlate with Clinical Parkinson's Disease Subtypes



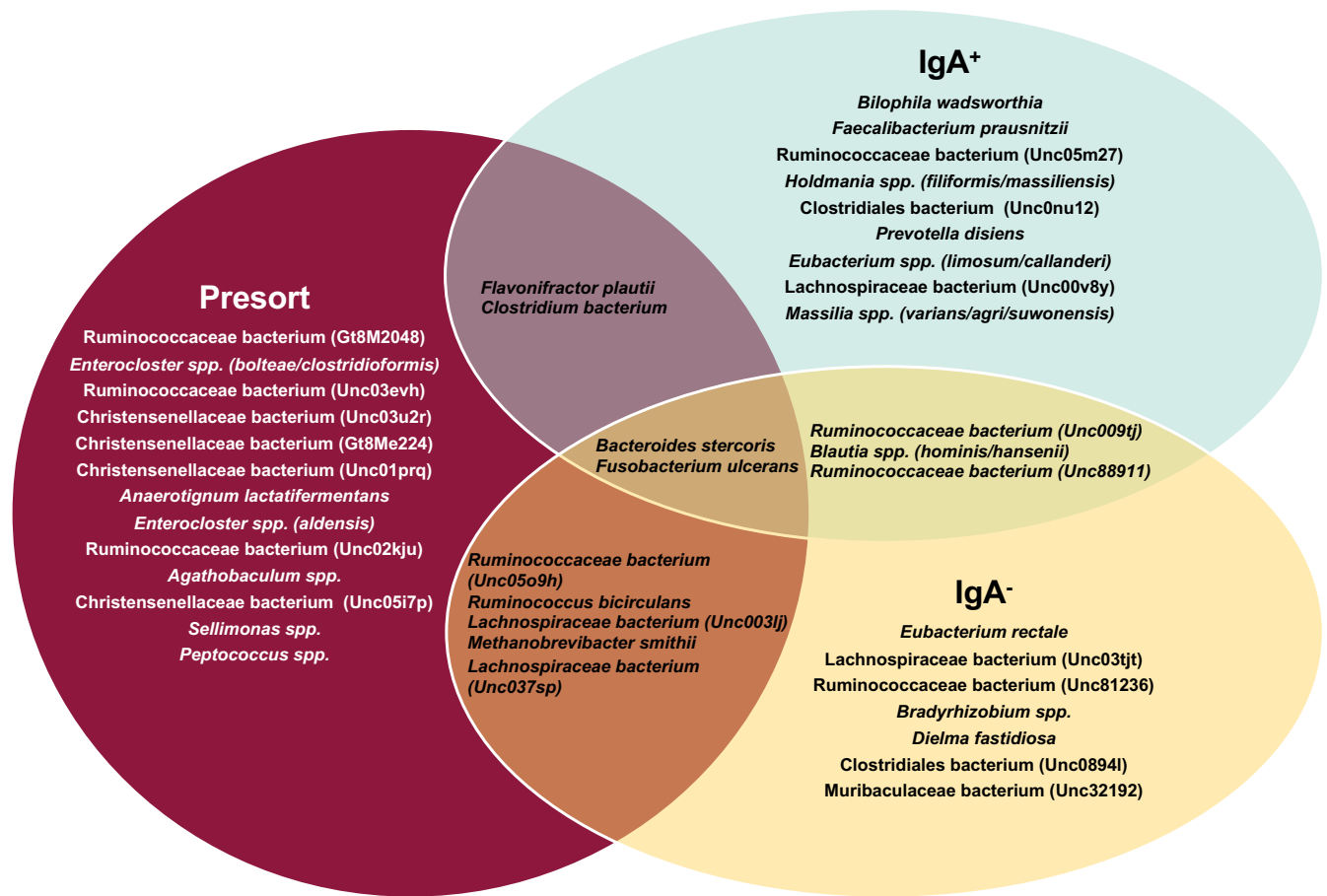
Supplementary Figure 1. Rarefaction curves of IgA-Biome samples.



Supplementary Figure 2. IgA-Biome alpha diversity of patients classified to the TD group. Box plots depict sample richness (Observed OTU) and evenness (Shannon Diversity Index) among sorted samples according to IgA-bound status. * $p=0.0427$ FDR adjusted Mann-Whitney t test.



Supplementary Figure 3. IgA⁺ compartment comparison between patients classified as either AR or TD. Box plots depict sample richness (Observed OTU) and evenness (Shannon Diversity Index). $p=0.0148$ and $p=0.00424$ FDR adjusted Mann-Whitney.



Supplementary Figure 4. Overlap in LefSe-identified differential OTUs.