

Title: Reproducibility and background analyses of 16SrRNA gene and corresponding qPCR

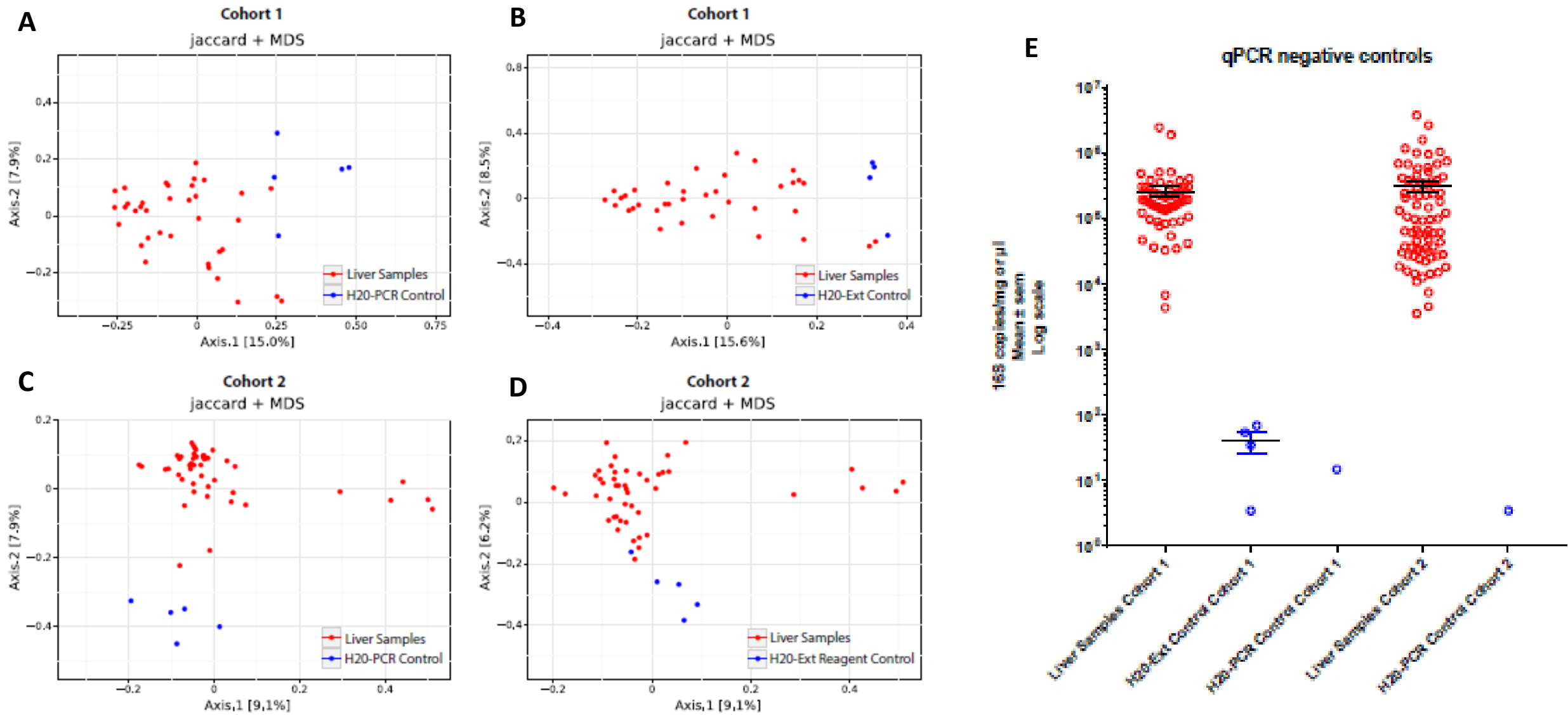
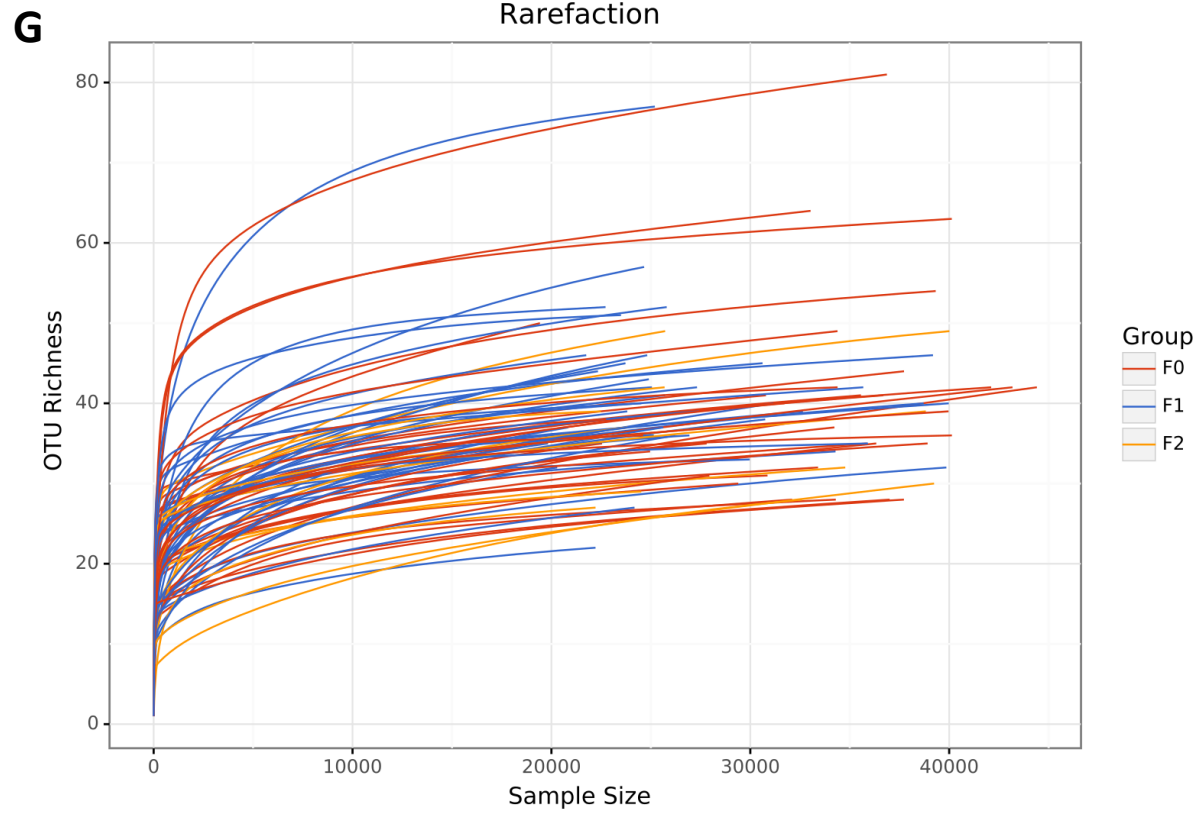
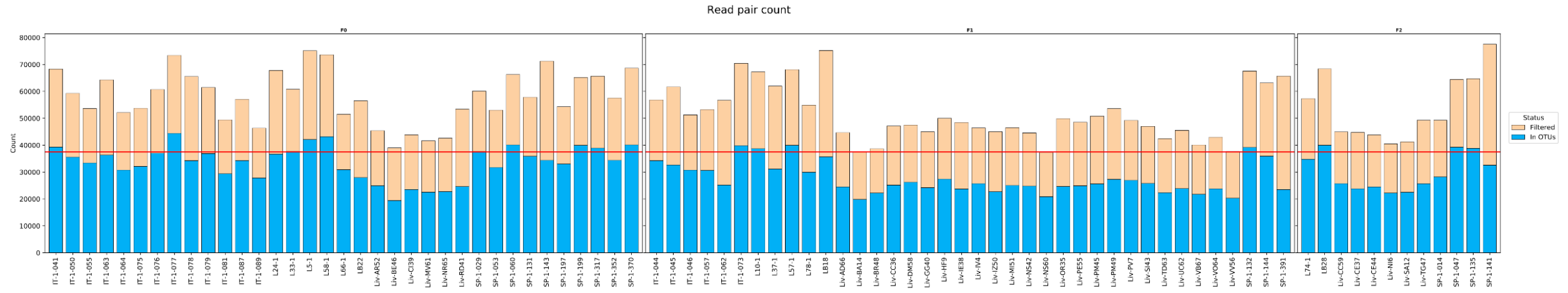


Figure sup 1. Champion et al

F Title: Reproducibility and background analyses of 16SrRNA gene



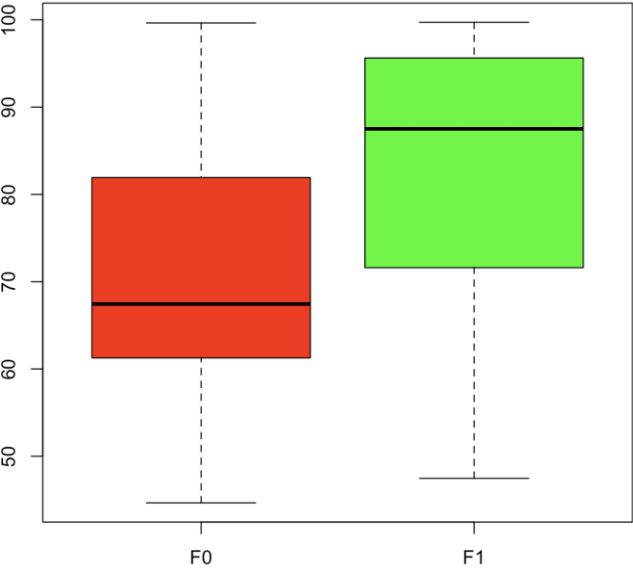
Legend: two sets of sequencing were to identify potential experimental contaminants. Index of Beta diversity analysis (A-D) and qPCR (E) analyses. Read pair counts (F) and Rarefaction curve (G) of all individual samples for the three groups F0, F1, F2.

Figure sup 1. Champion et al

Title: Group comparisons and statistical differences observed between the F0 and F1 groups at the phylum taxonomic level.

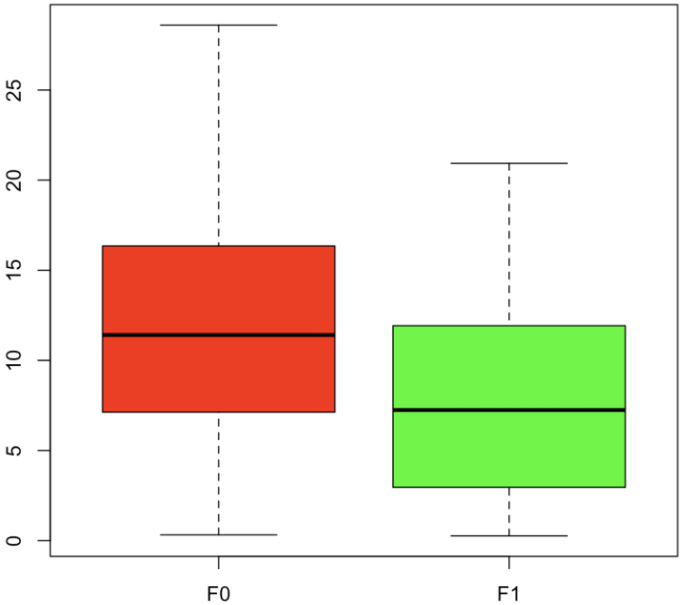
A

Proteobacteria p=0.0006



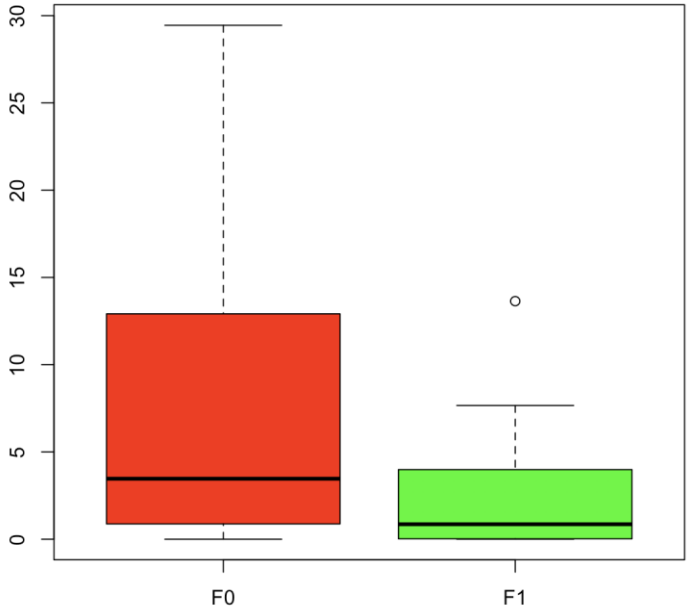
B

Actinobacteria p=0.01



C

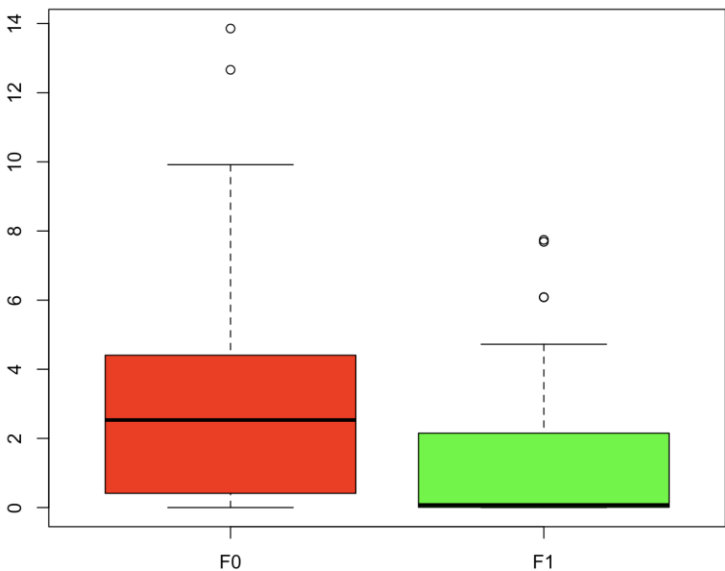
Firmicutes p=0.02



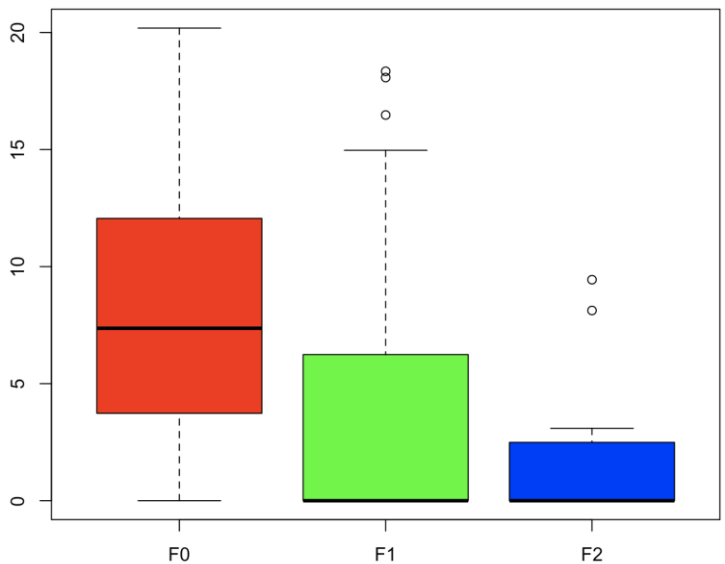
Legend: box plot of F0 (red), F1 (green) groups of patients

Title: Group comparisons and statistical differences observed between the F0, F1, F2 groups at the family taxonomic level.

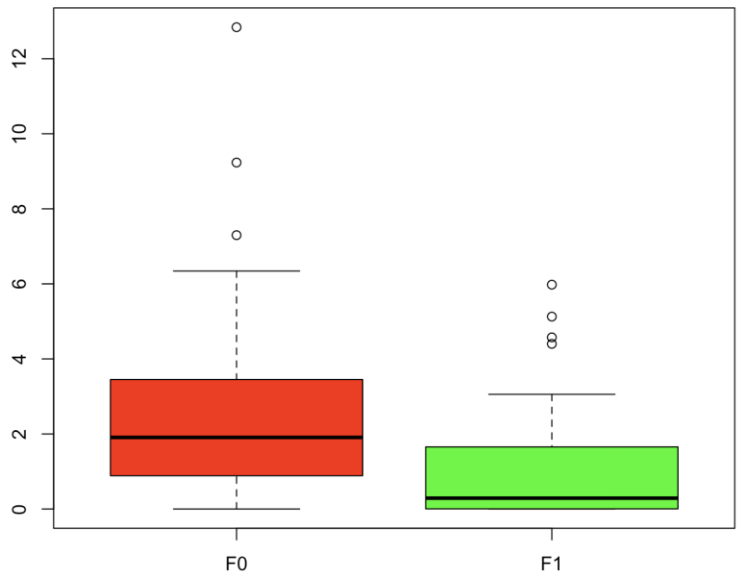
D Caulobacteraceae p=0.02



E Flavobacteriaceae p=0.004 (F0 VS F2)
p=0.03 (F0 VS F1)



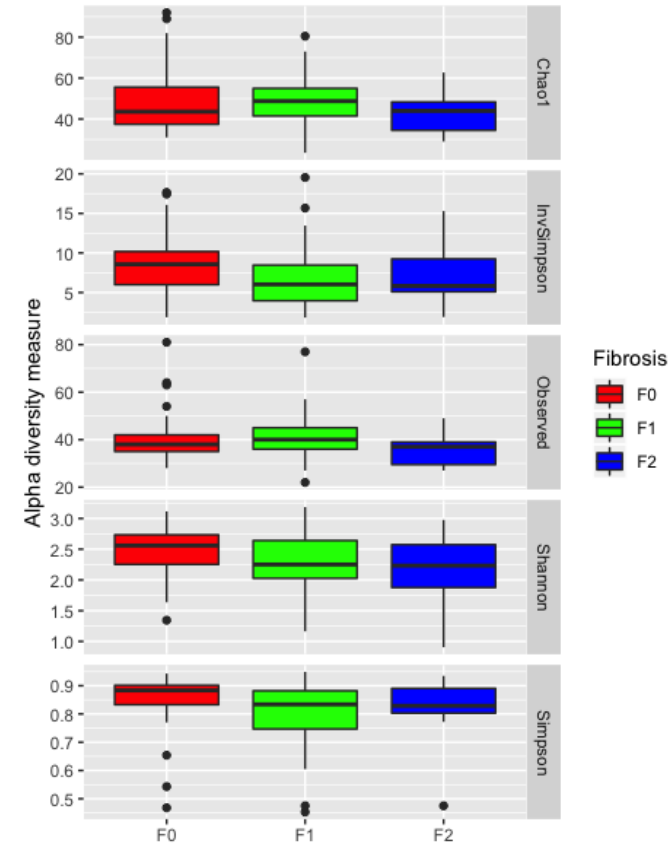
F Propionibacteriaceae p=0.006



Legend: box plot of F0 (red), F1 (green), F2 (blue) groups of patients

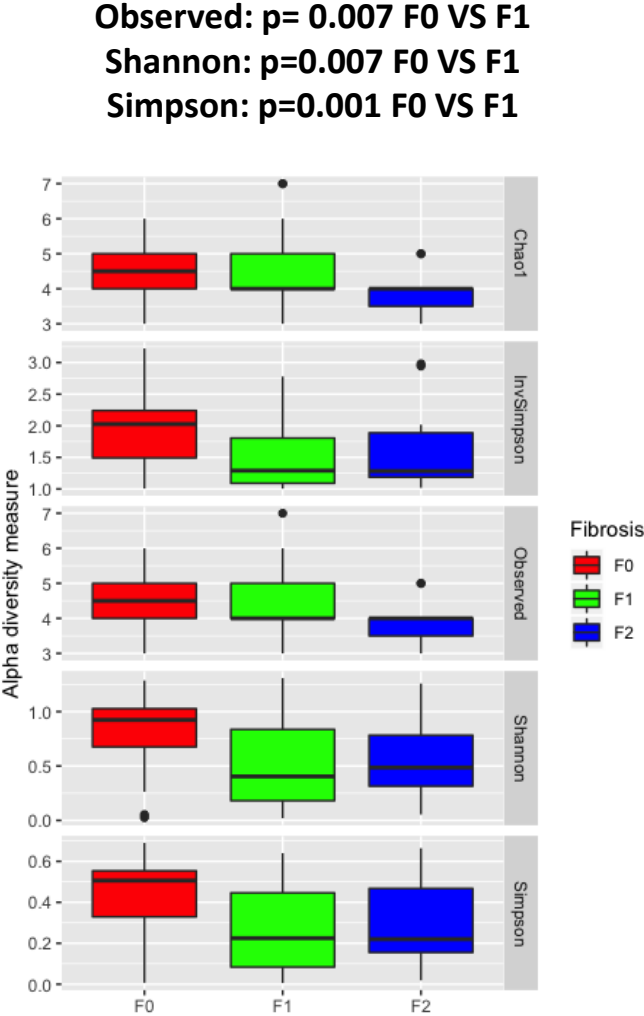
Title: Indexes of alpha diversity of 16S rRNA gene in liver tissue

A



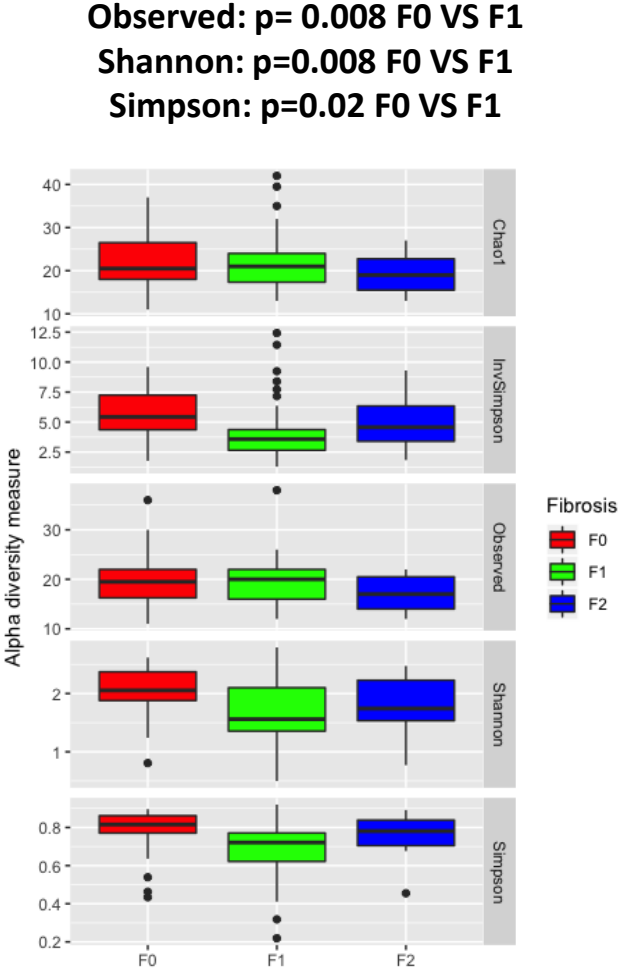
OTU

B



Phyla

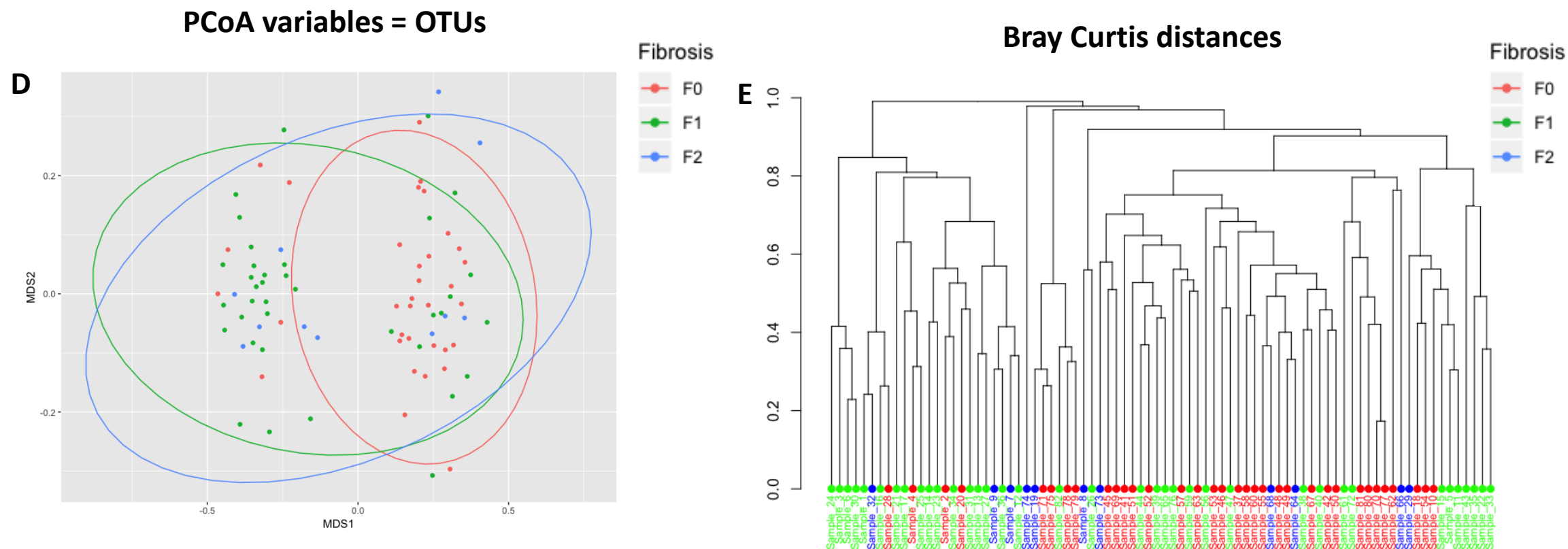
C



Families

Legend: box plot of F0 (red), F1 (green), F2 (blue) groups of patients at the OUT, phylum, and Family taxonomic levels

Title: Indexes of beta diversity of 16S rRNA gene in liver tissue



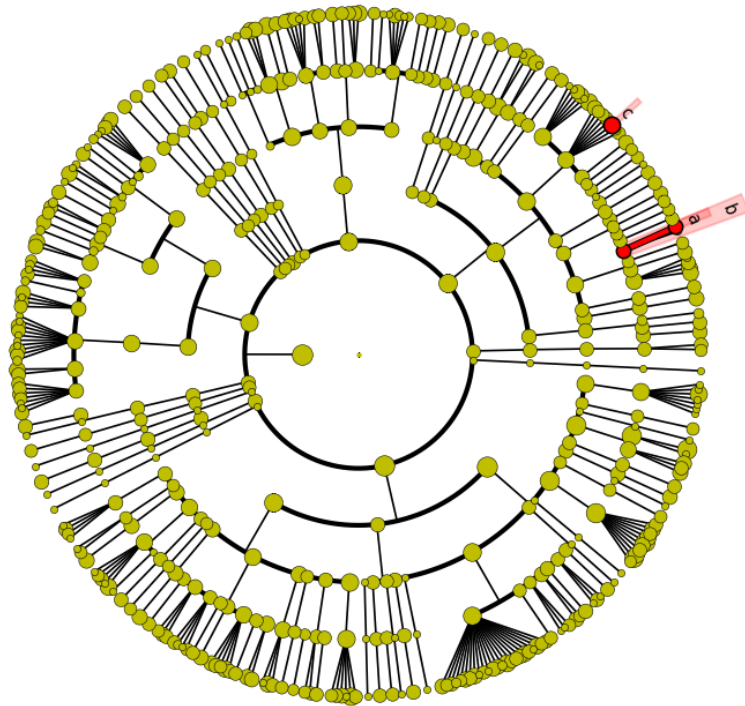
Legend: Principal Coordinate Analysis of F0 (red), F1 (green), F2 (blue) groups of patients (D) and the OTU level and Bray Curtis distances (E).

Title: Linear discriminant analysis effect size of the F1 F2 of patients

A

F2

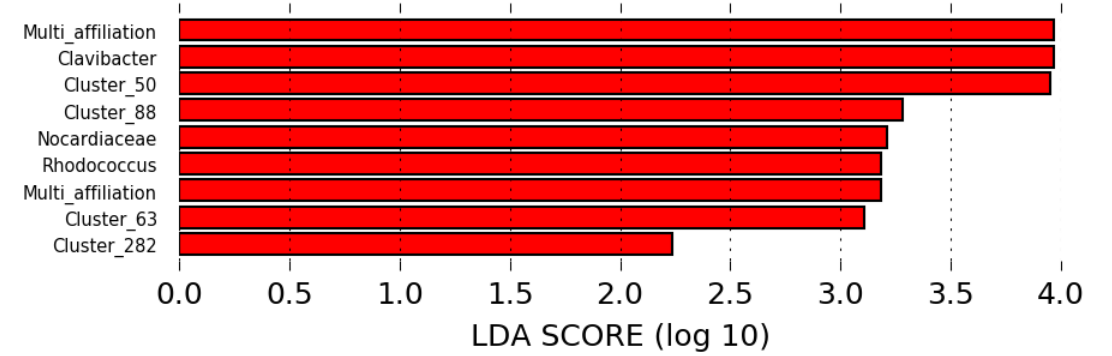
a: Rhodococcus
b: Nocardiaceae
c: Clavibac



F2

Multi_affiliation
Clavibacter
Cluster_50
Cluster_88
Nocardiaceae
Rhodococcus
Multi_affiliation
Cluster_63
Cluster_282

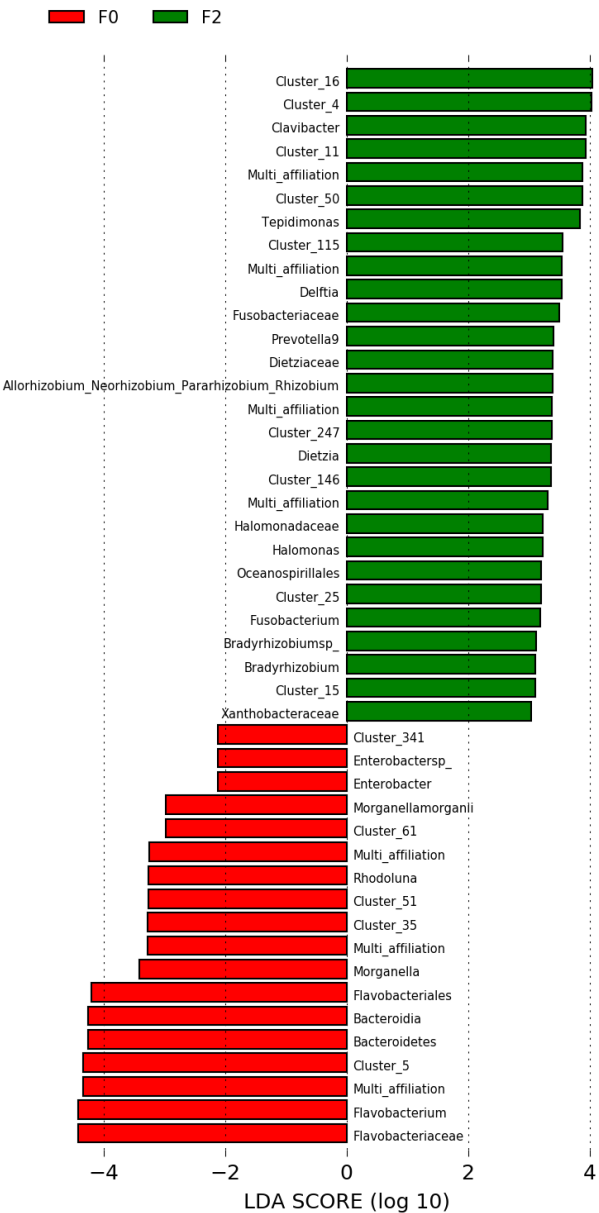
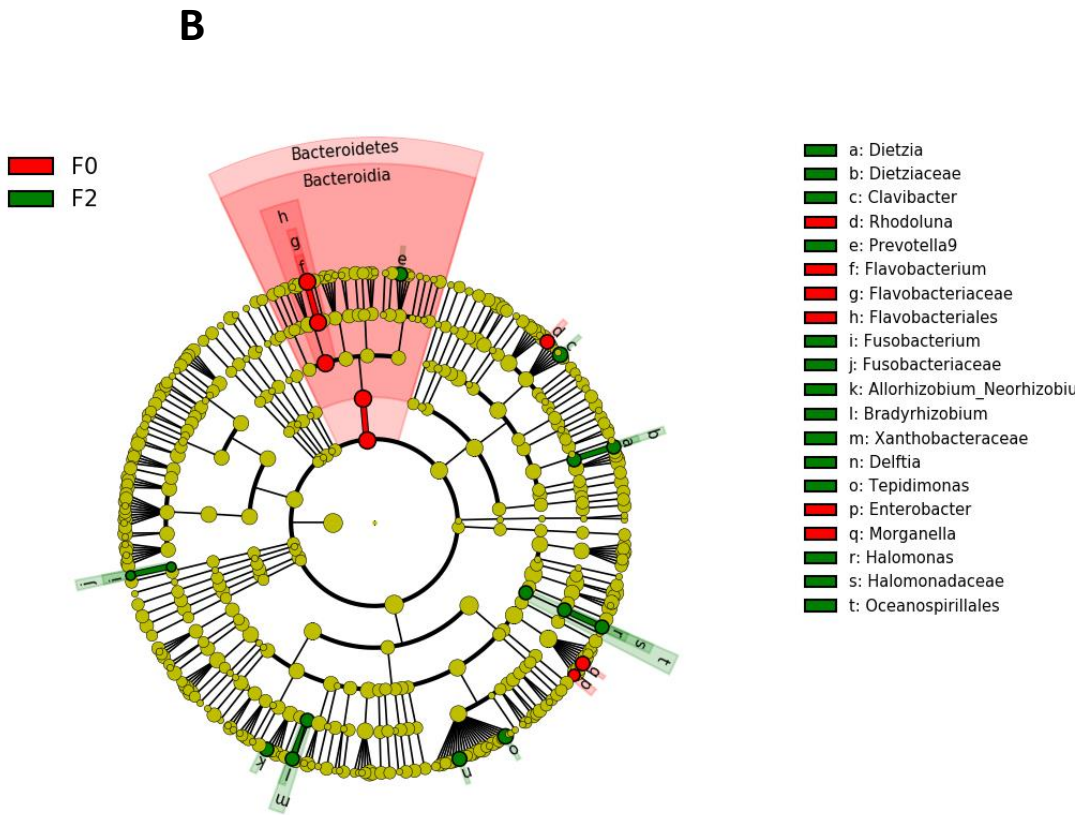
LDA SCORE (log 10)



Legend: A: taxonomic differences between F1 and F2. F2 differences are noticed only. B: corresponding Linear Discriminant Analysis scores of the F2 patients

Title: Linear discriminant analysis effect size of the F0 F2 of patients

LEFSE F0 F2



Legend: B: taxonomic differences between F0 and F2. Red : predominant in F0; green predominant in F2, and corresponding Linear Discriminant Analysis scores of the patients

Figure sup 4. Champion et al