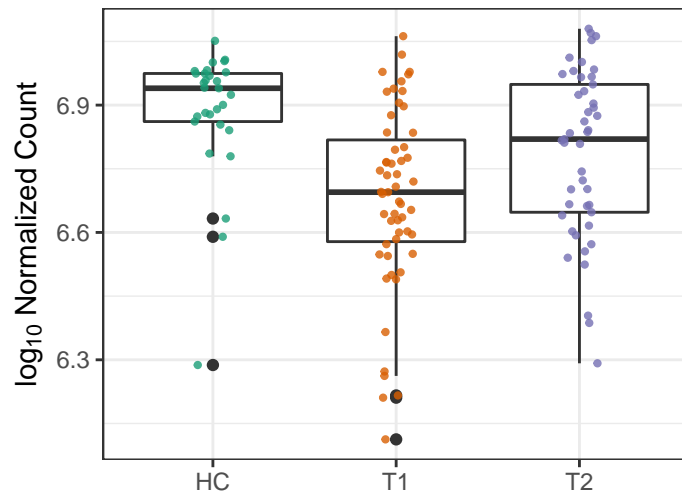


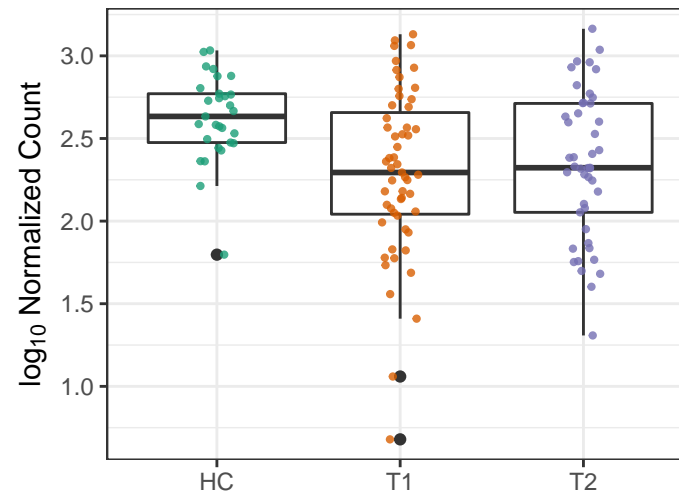
### Clostridia

HC vs. T1  $p = 0.00051$   
HC vs. T2  $p = 0.043$   
T1 vs. T2  $p = 0.1$



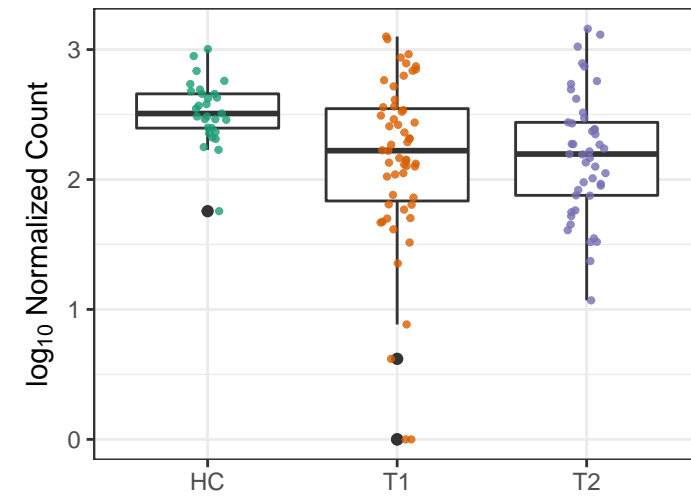
### Acidimicrobiia

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.012$   
T1 vs. T2  $p = 0.77$



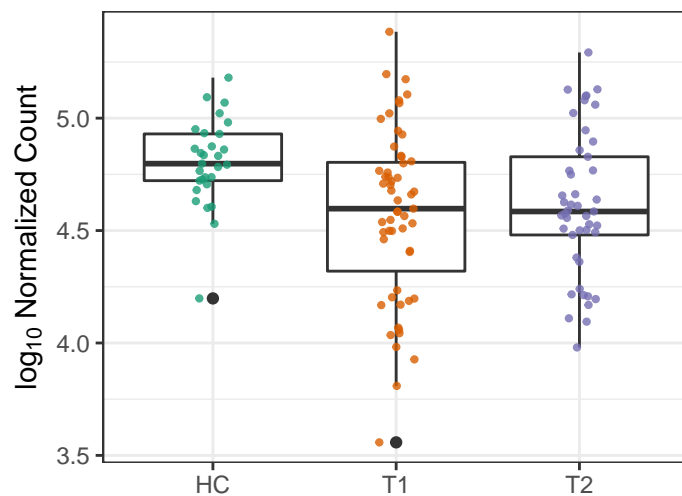
### Ardicatentia

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.0041$   
T1 vs. T2  $p = 0.77$



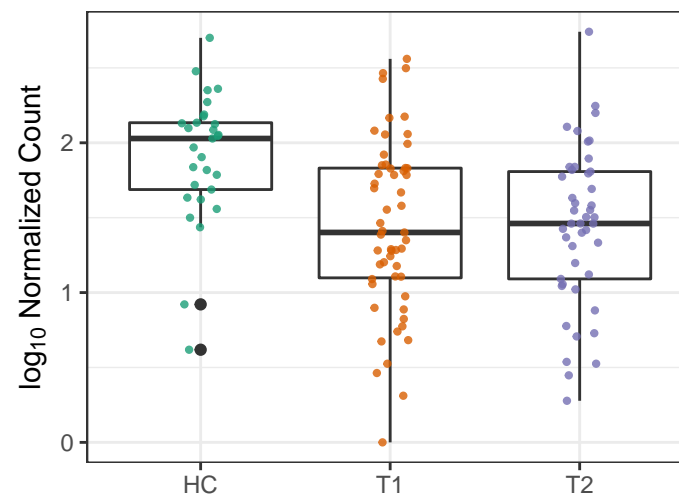
### Betaproteobacteria

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



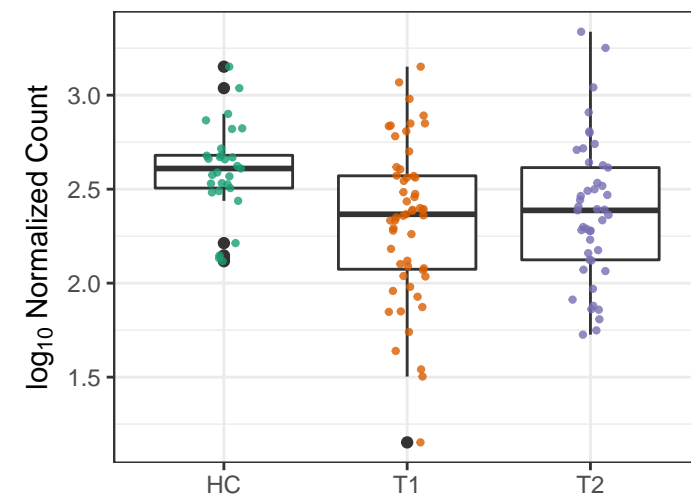
### Coprothermobacteria

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.0041$   
T1 vs. T2  $p = 0.93$



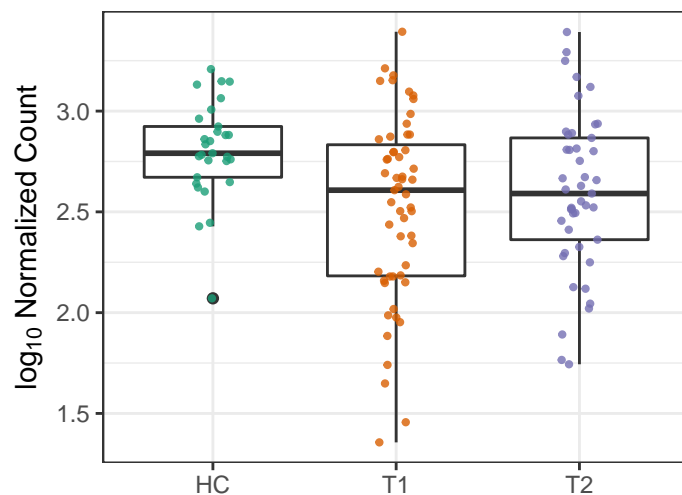
### Fibrobacteria

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



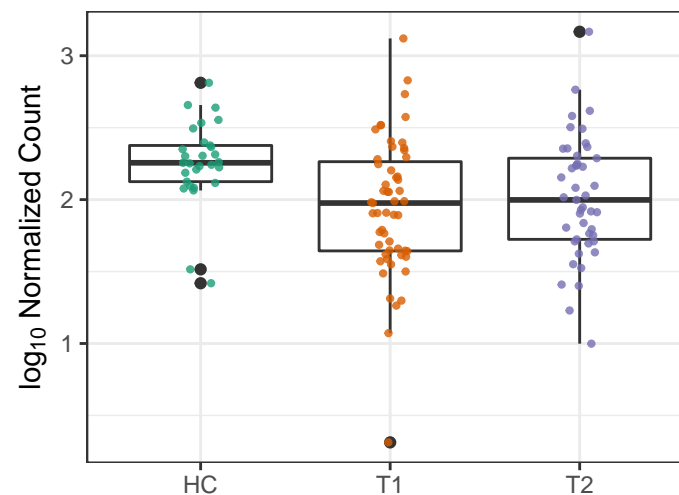
### Gemmatimonadetes

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



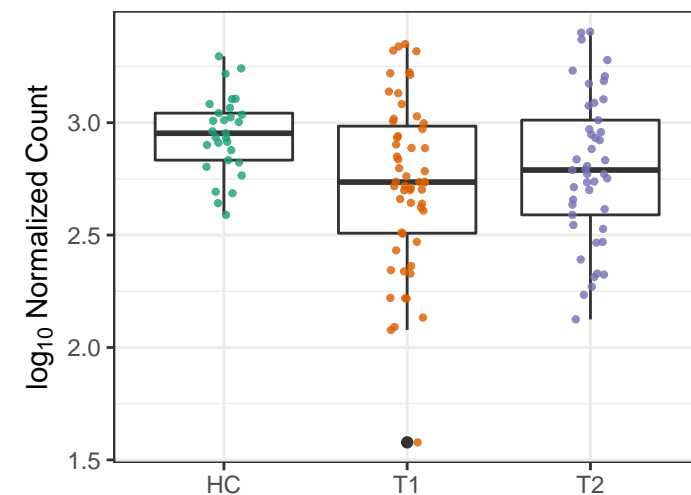
### Ktedonobacteria

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



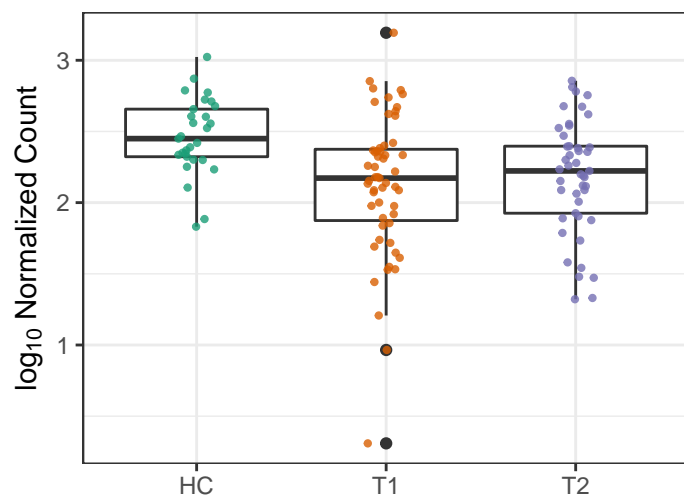
### Phycisphaerae

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.031$   
T1 vs. T2  $p = 0.77$



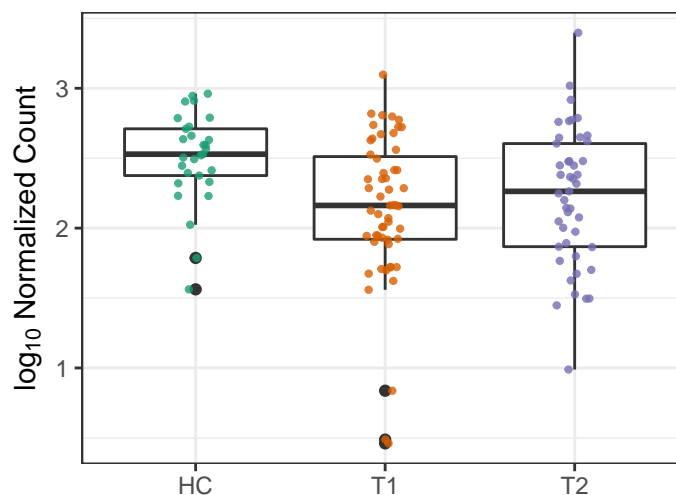
### Tepidiformia

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.0096$   
T1 vs. T2  $p = 0.77$



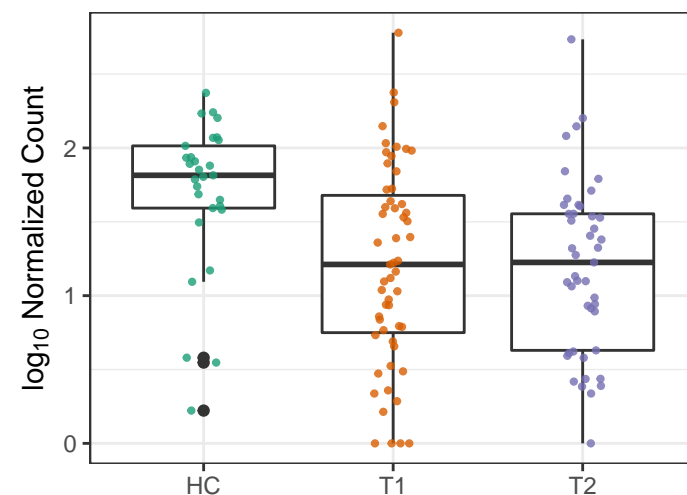
### Thermoleophilia

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



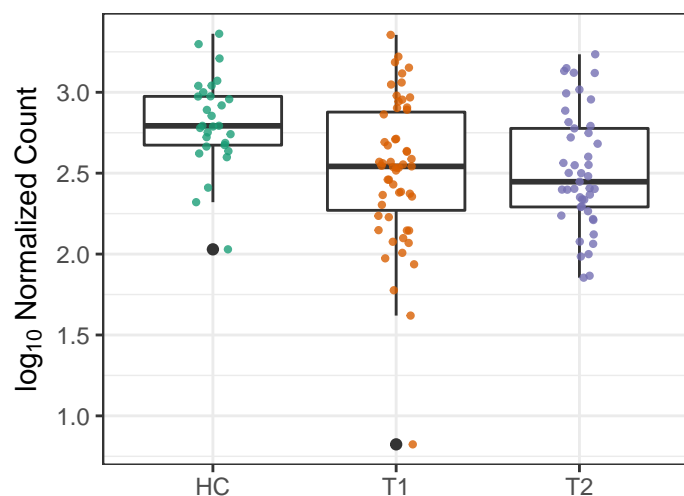
### Unclassified Acidobacteria Phylum

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.0056$   
T1 vs. T2  $p = 1$



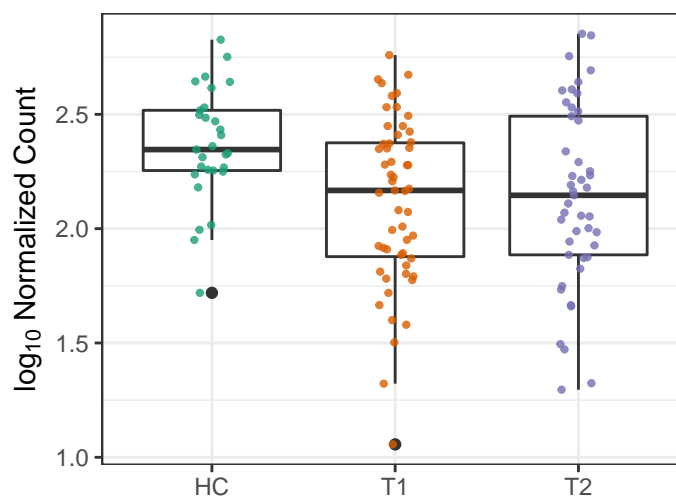
### Unclassified Candidatus Saccharibacte

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.0041$   
T1 vs. T2  $p = 0.93$



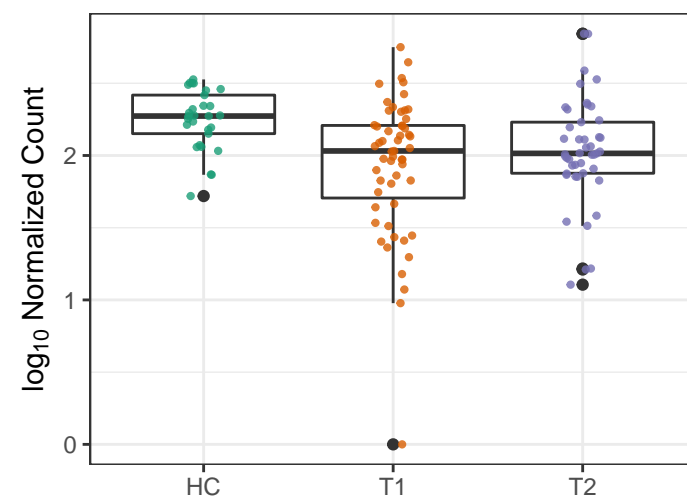
### Ustilaginomycetes

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



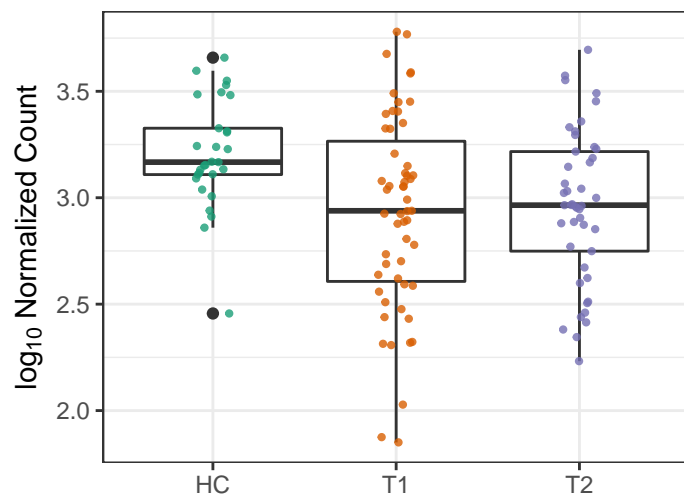
### Zetaproteobacteria

HC vs. T1  $p = 0.0039$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



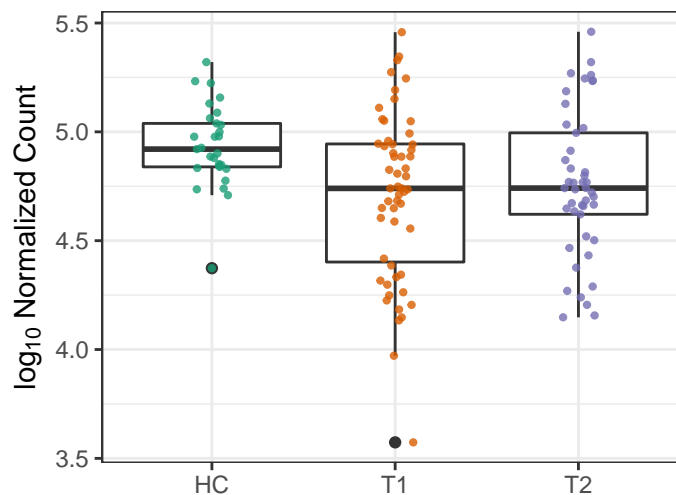
### Opitutae

HC vs. T1  $p = 0.0045$   
HC vs. T2  $p = 0.012$   
T1 vs. T2  $p = 0.77$



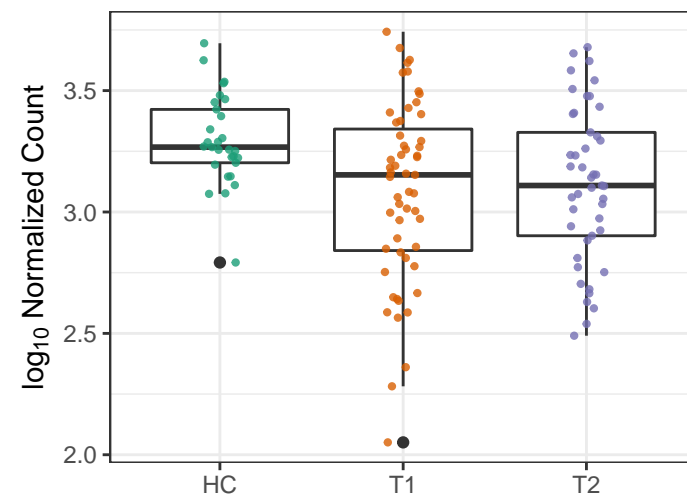
### Alphaproteobacteria

HC vs. T1  $p = 0.0048$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



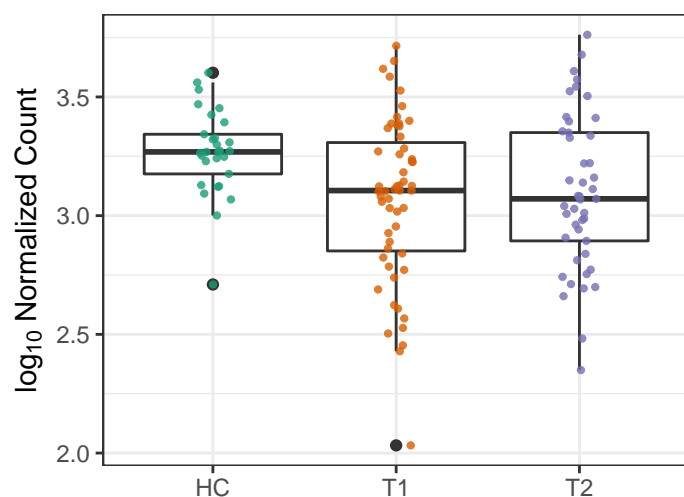
### Acidobacteriia

HC vs. T1  $p = 0.0051$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



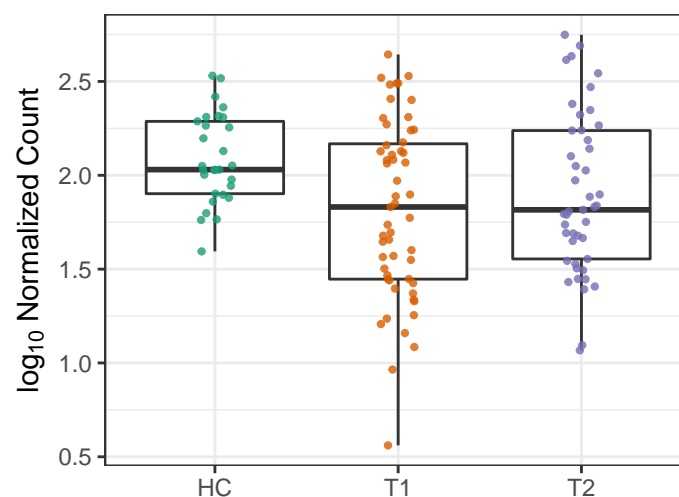
### Chlorobia

HC vs. T1  $p = 0.0052$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



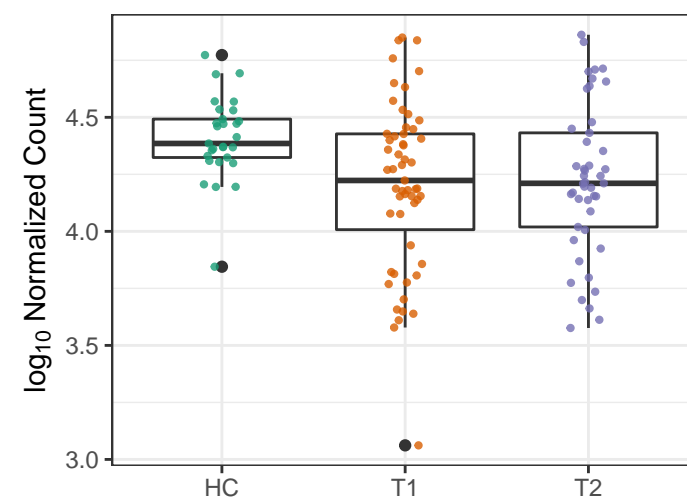
### Methyloacidiphilae

HC vs. T1  $p = 0.0052$   
HC vs. T2  $p = 0.038$   
T1 vs. T2  $p = 0.77$



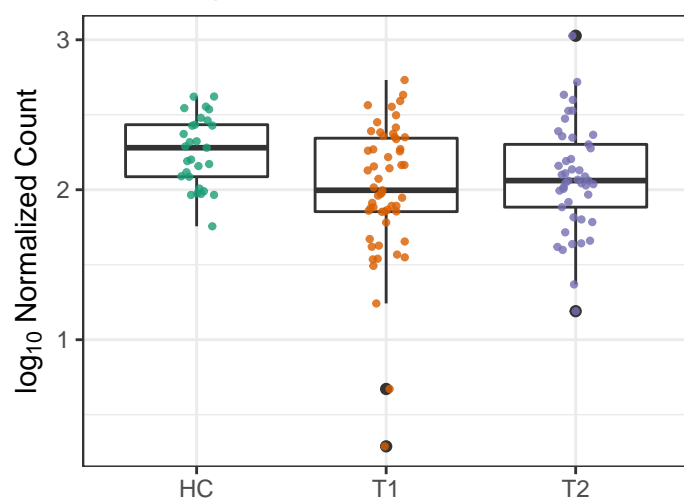
### Unclassified Proteobacteria Phylum

HC vs. T1  $p = 0.0053$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



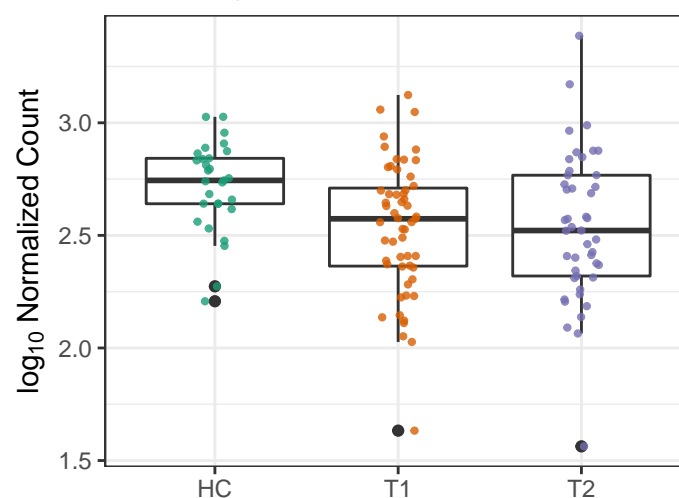
### Unclassified Armatimonadetes Phylum

HC vs. T1  $p = 0.0057$   
HC vs. T2  $p = 0.034$   
T1 vs. T2  $p = 0.77$



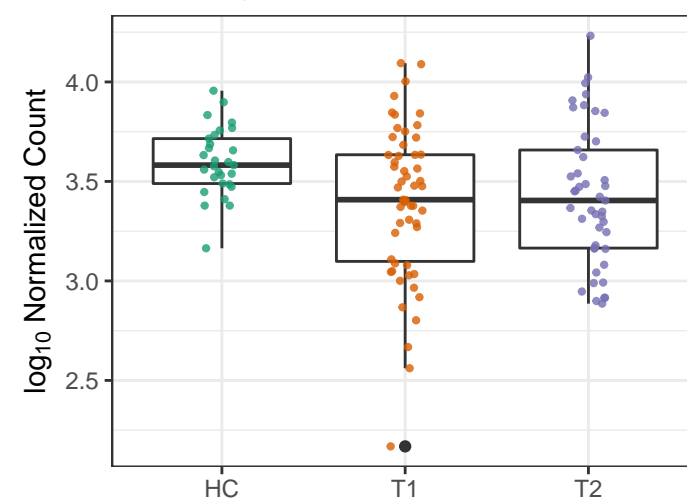
### Eurotiomycetes

HC vs. T1  $p = 0.0062$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.96$



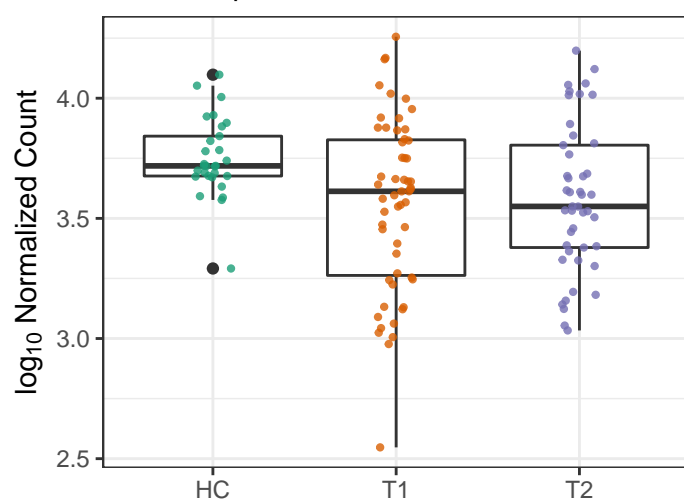
### Planctomycetia

HC vs. T1  $p = 0.0062$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



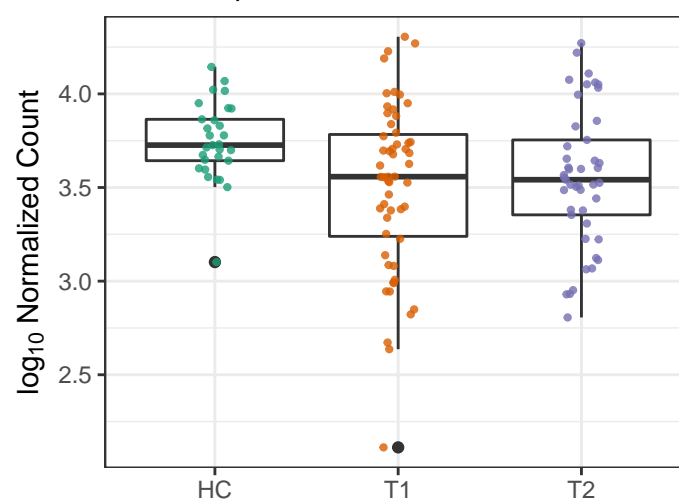
### Unclassified Planctomycetes Phylum

HC vs. T1  $p = 0.0064$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



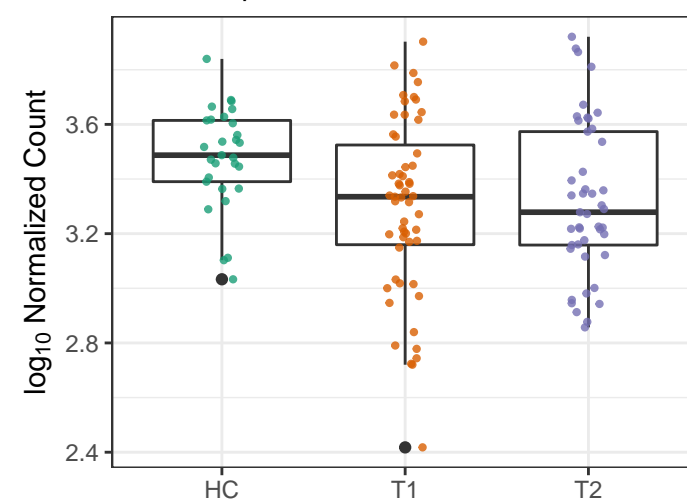
### Deinococci

HC vs. T1  $p = 0.0066$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



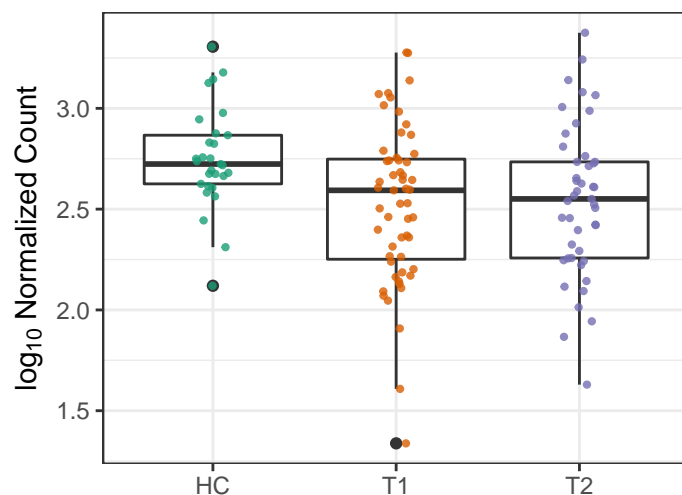
### Sordariomycetes

HC vs. T1  $p = 0.0075$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



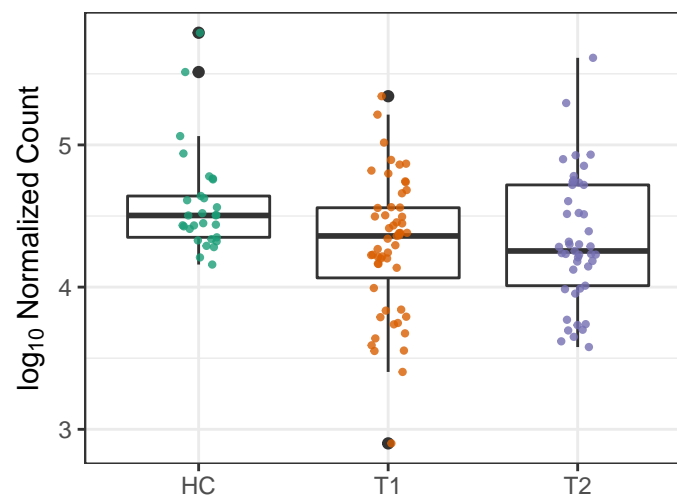
### Chloroflexia

HC vs. T1  $p = 0.0079$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.84$



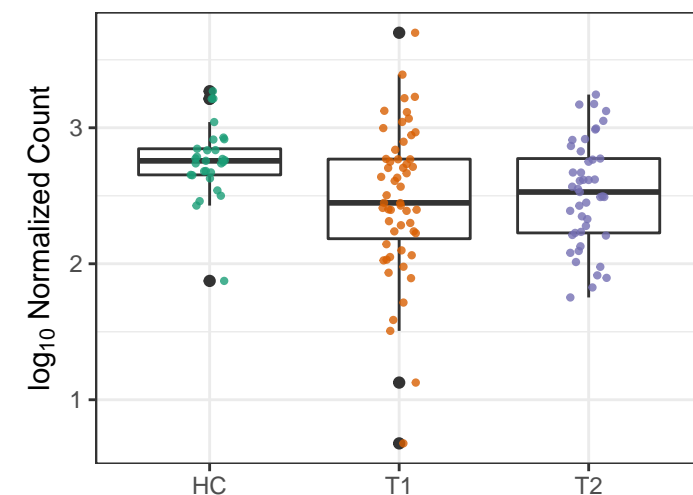
### Deltaproteobacteria

HC vs. T1  $p = 0.0079$   
HC vs. T2  $p = 0.025$   
T1 vs. T2  $p = 0.84$



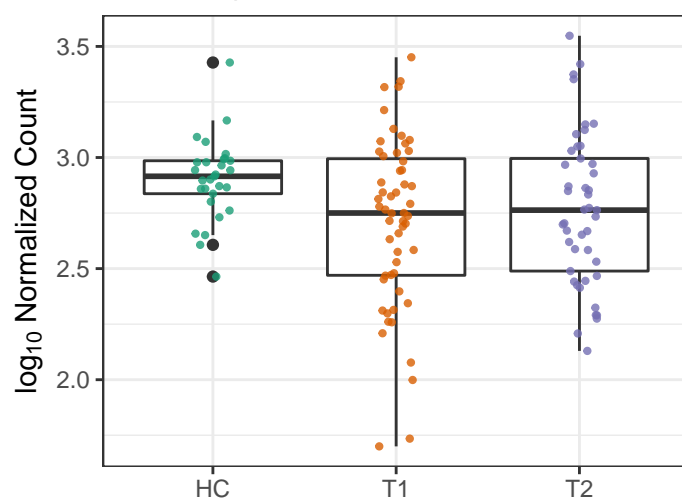
### Nitrospirae

HC vs. T1  $p = 0.0079$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.77$



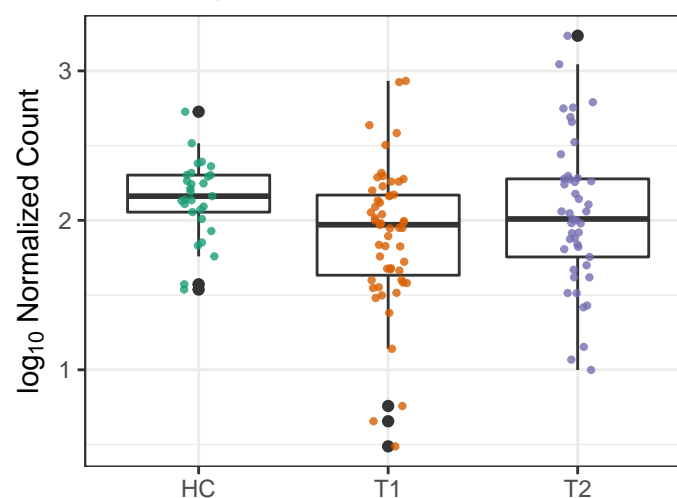
### Anaerolineae

HC vs. T1  $p = 0.01$   
HC vs. T2  $p = 0.057$   
T1 vs. T2  $p = 0.77$



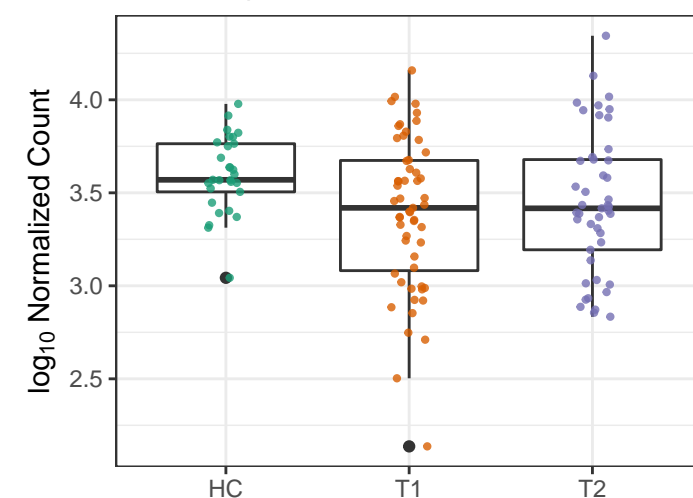
### Fimbrimonadia

HC vs. T1  $p = 0.01$   
HC vs. T2  $p = 0.28$   
T1 vs. T2  $p = 0.77$



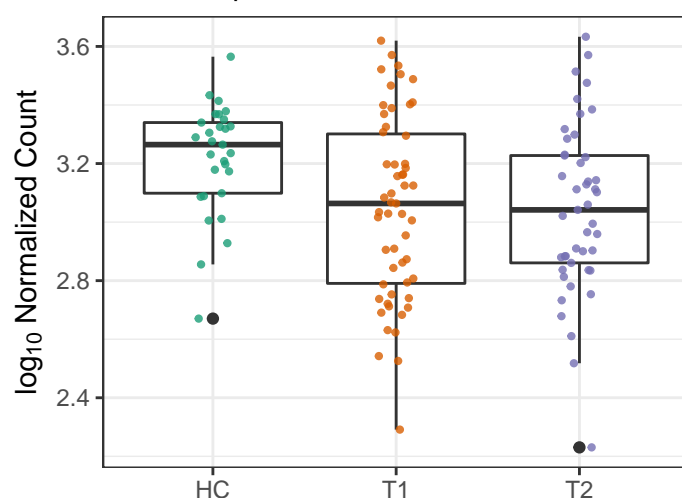
### Halobacteriaceae

HC vs. T1  $p = 0.01$   
HC vs. T2  $p = 0.059$   
T1 vs. T2  $p = 0.77$



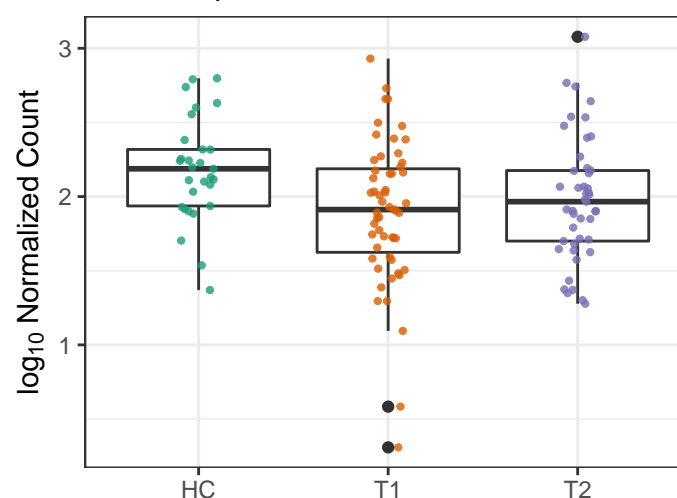
### Thermotogae

HC vs. T1  $p = 0.01$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.98$



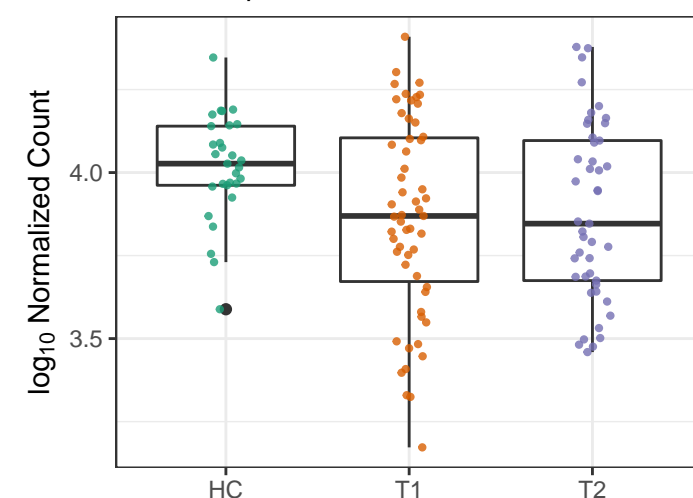
### Kiritimatiellae

HC vs. T1  $p = 0.011$   
HC vs. T2  $p = 0.058$   
T1 vs. T2  $p = 0.77$



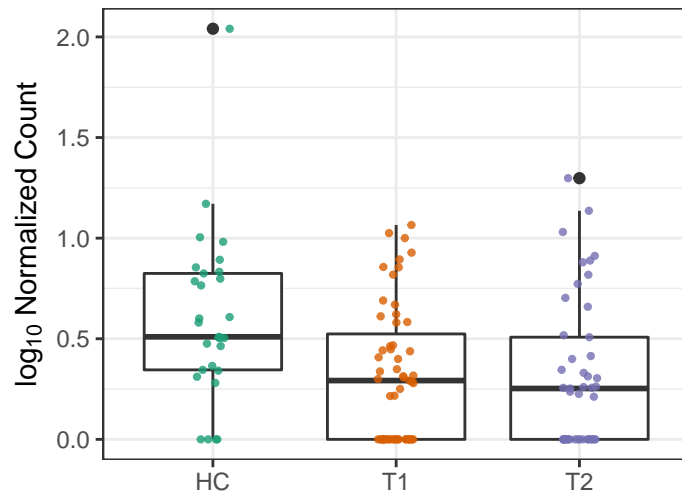
### Unclassified Cyanobacteria Phylum

HC vs. T1  $p = 0.011$   
HC vs. T2  $p = 0.022$   
T1 vs. T2  $p = 0.9$



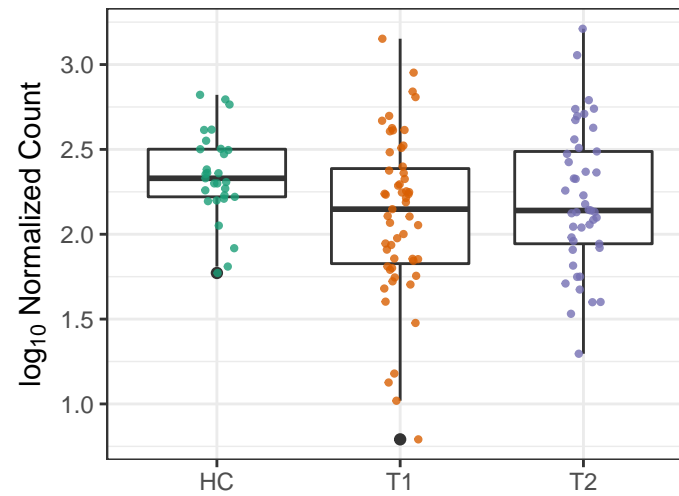
### Unclassified Candidatus Korarchaeota

HC vs. T1  $p = 0.012$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.93$



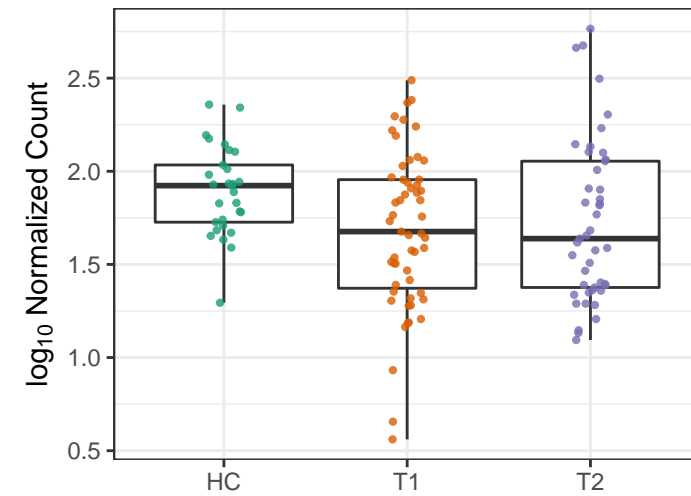
### Vicinamibacteria

HC vs. T1  $p = 0.013$   
HC vs. T2  $p = 0.11$   
T1 vs. T2  $p = 0.77$



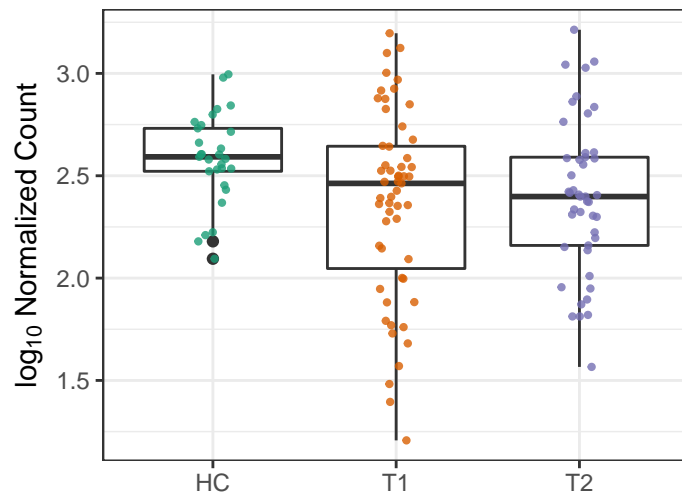
### Chthonomonadetes

HC vs. T1  $p = 0.013$   
HC vs. T2  $p = 0.063$   
T1 vs. T2  $p = 0.84$



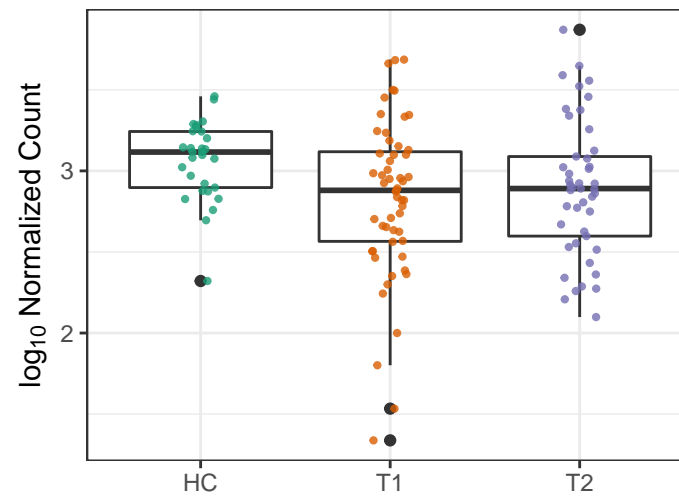
### Gloeobacteria

HC vs. T1  $p = 0.013$   
HC vs. T2  $p = 0.026$   
T1 vs. T2  $p = 0.77$



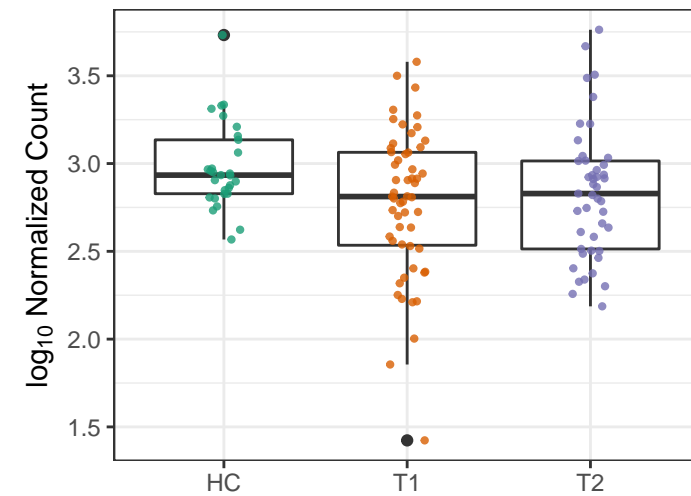
### Rubrobacteria

HC vs. T1  $p = 0.013$   
HC vs. T2  $p = 0.059$   
T1 vs. T2  $p = 0.77$



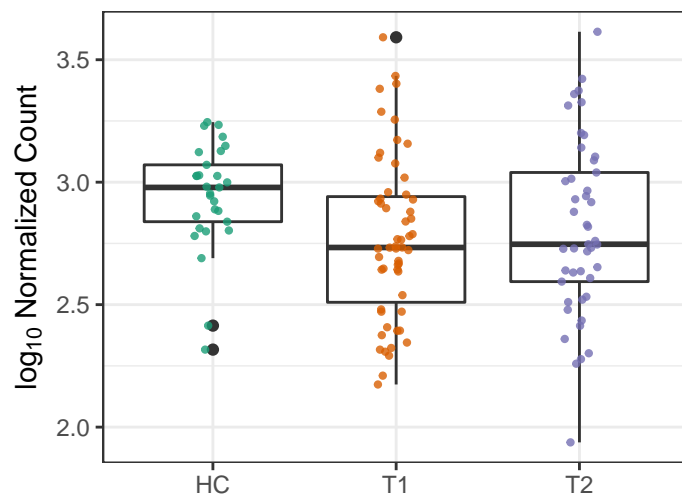
### Dehalococcoidia

HC vs. T1  $p = 0.014$   
HC vs. T2  $p = 0.062$   
T1 vs. T2  $p = 0.77$



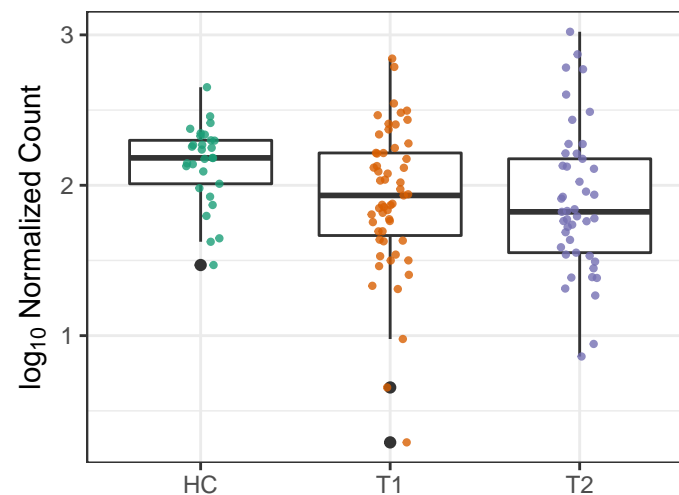
### Thermococci

HC vs. T1  $p = 0.015$   
HC vs. T2  $p = 0.08$   
T1 vs. T2  $p = 0.77$



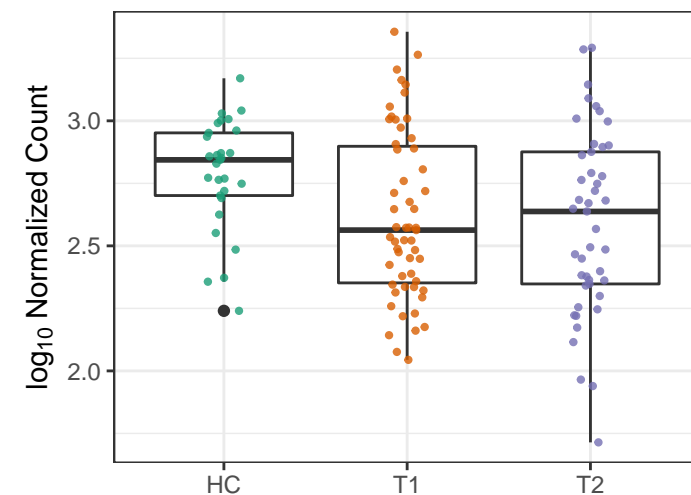
### Blastocatellia

HC vs. T1  $p = 0.016$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.96$



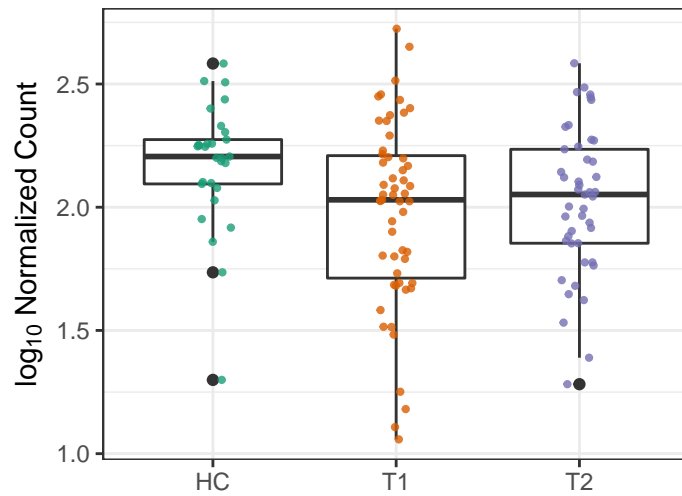
### Methanococci

HC vs. T1  $p = 0.017$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.93$



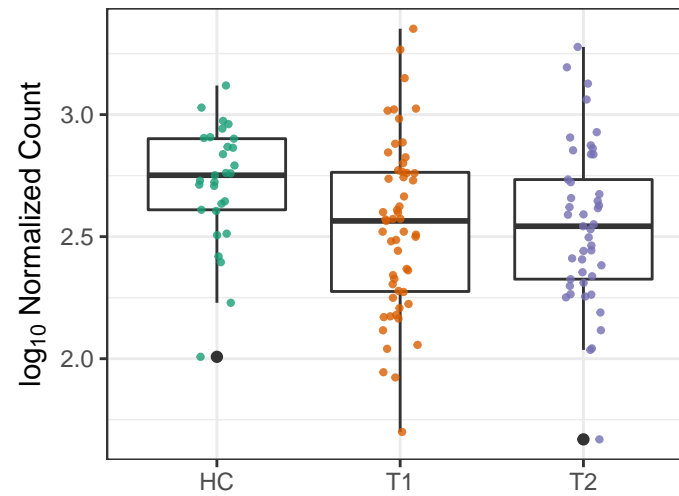
### Archaeoglobi

HC vs. T1  $p = 0.018$   
HC vs. T2  $p = 0.054$   
T1 vs. T2  $p = 0.77$



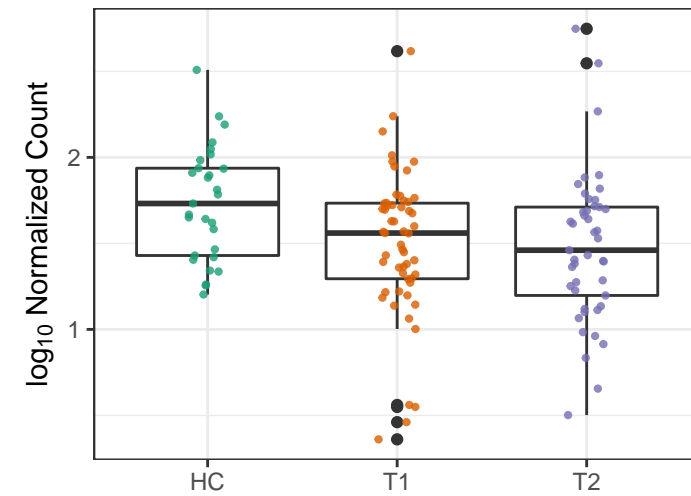
### Deferribacteres

HC vs. T1  $p = 0.018$   
HC vs. T2  $p = 0.031$   
T1 vs. T2  $p = 0.93$



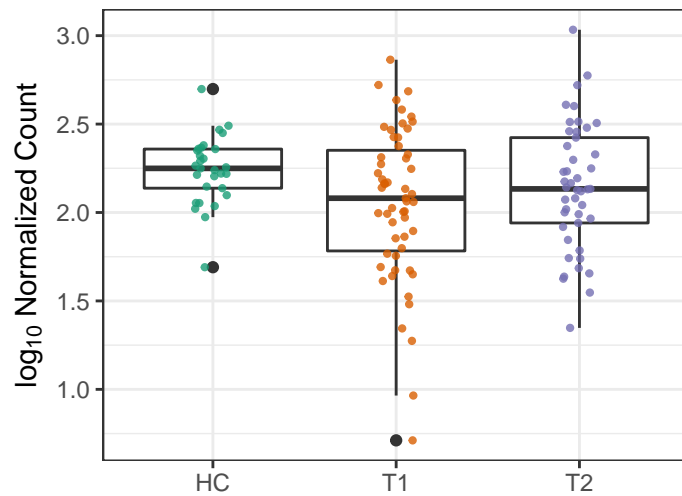
### Elusimicrobia

HC vs. T1  $p = 0.018$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.96$



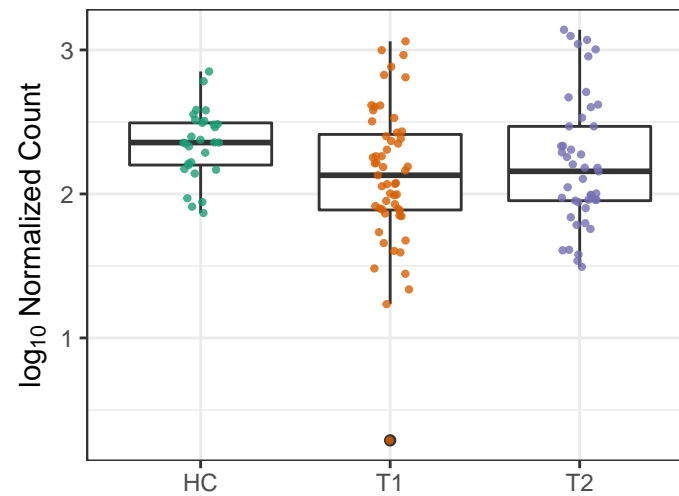
### Unclassified Kiritimatiellaeota Phylum

HC vs. T1  $p = 0.018$   
HC vs. T2  $p = 0.18$   
T1 vs. T2  $p = 0.77$



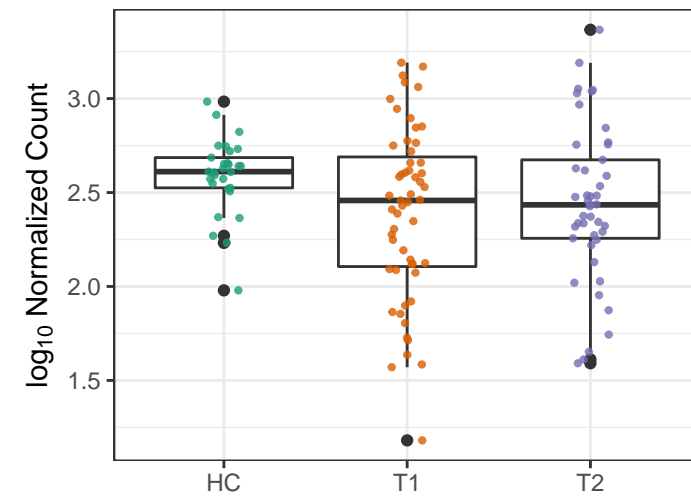
### Caldilineae

HC vs. T1  $p = 0.018$   
HC vs. T2  $p = 0.14$   
T1 vs. T2  $p = 0.77$



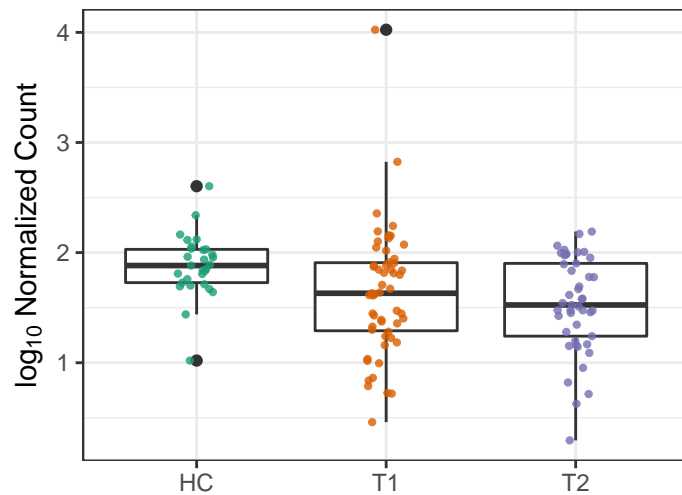
### Limnochordia

HC vs. T1  $p = 0.019$   
HC vs. T2  $p = 0.072$   
T1 vs. T2  $p = 0.77$



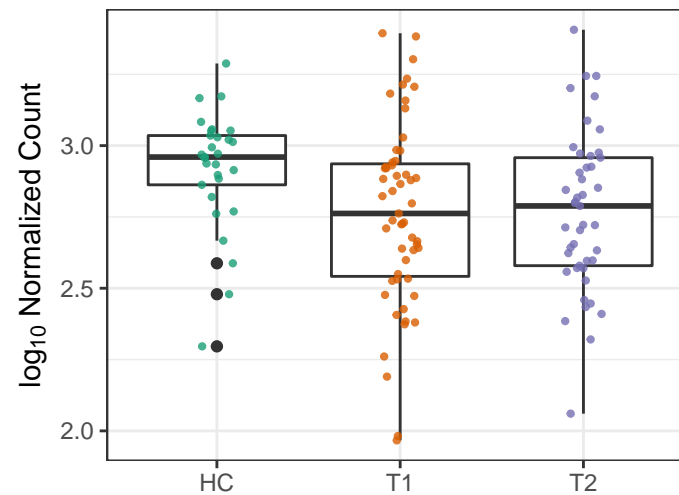
### Malasseziomycetes

HC vs. T1  $p = 0.02$   
HC vs. T2  $p = 0.0041$   
T1 vs. T2  $p = 0.77$



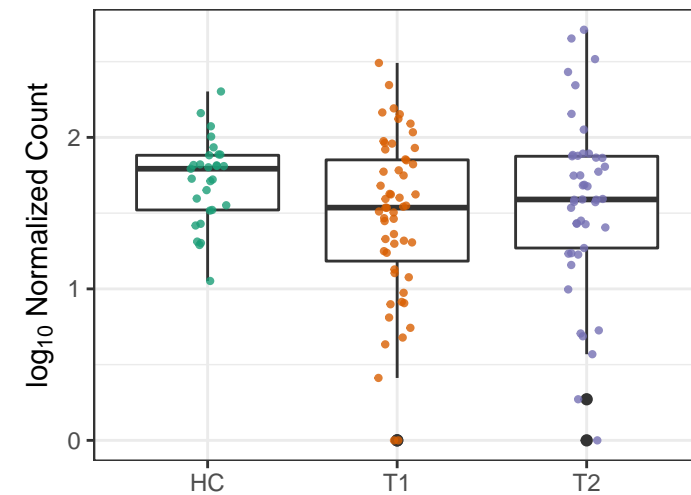
### Oligoflexia

HC vs. T1  $p = 0.02$   
HC vs. T2  $p = 0.027$   
T1 vs. T2  $p = 0.95$



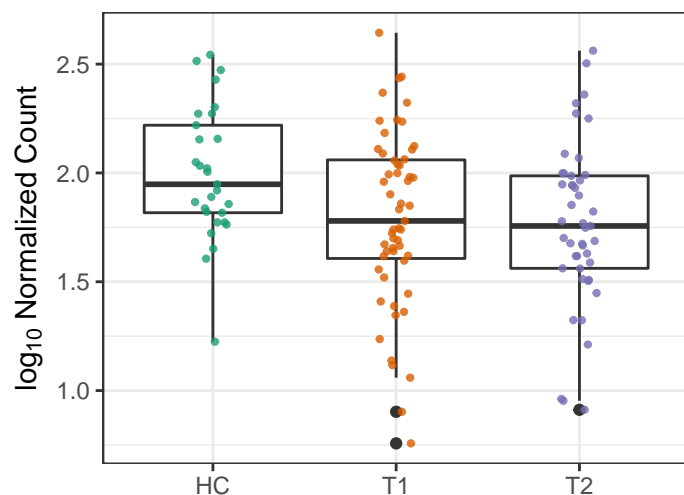
### Unclassified Candidatus Bipolaricaulota

HC vs. T1  $p = 0.02$   
HC vs. T2  $p = 0.18$   
T1 vs. T2  $p = 0.77$



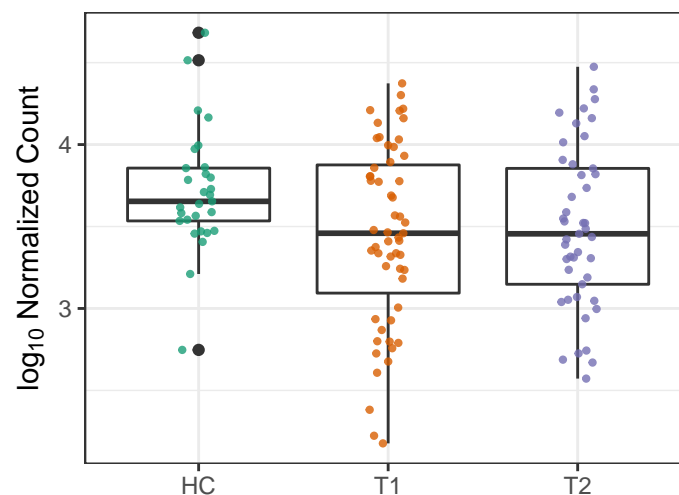
### Endomicrobia

HC vs. T1  $p = 0.022$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.93$



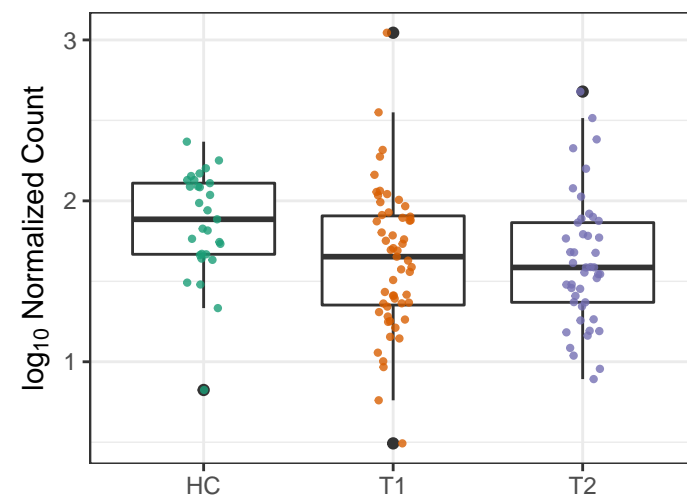
### Unclassified Actinobacteria Phylum

HC vs. T1  $p = 0.022$   
HC vs. T2  $p = 0.058$   
T1 vs. T2  $p = 0.77$



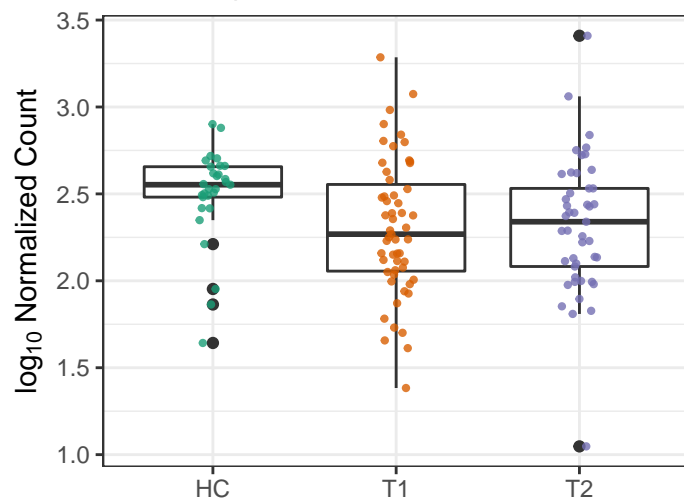
### Unclassified Euryarchaeota Phylum

HC vs. T1  $p = 0.022$   
HC vs. T2  $p = 0.022$   
T1 vs. T2  $p = 0.96$



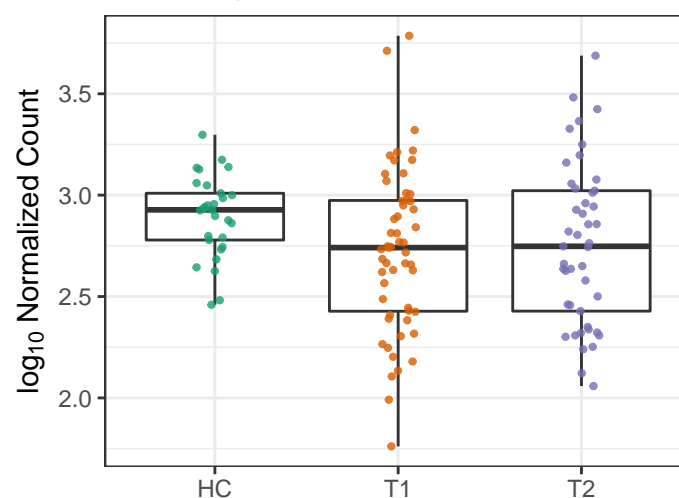
### Ignavibacteria

HC vs. T1  $p = 0.023$   
HC vs. T2  $p = 0.056$   
T1 vs. T2  $p = 0.96$



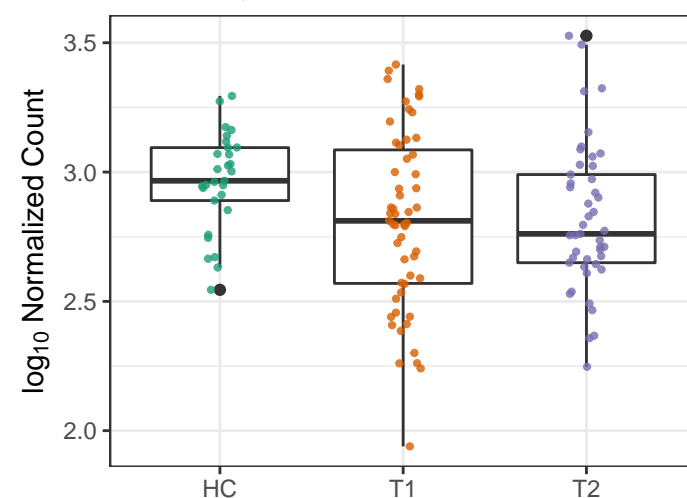
### Thermoplasmata

HC vs. T1  $p = 0.023$   
HC vs. T2  $p = 0.079$   
T1 vs. T2  $p = 0.77$



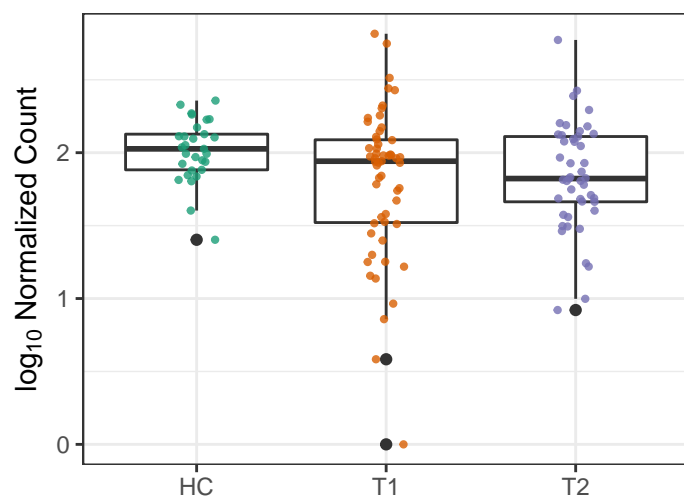
### Thermoprotei

HC vs. T1  $p = 0.023$   
HC vs. T2  $p = 0.029$   
T1 vs. T2  $p = 0.93$



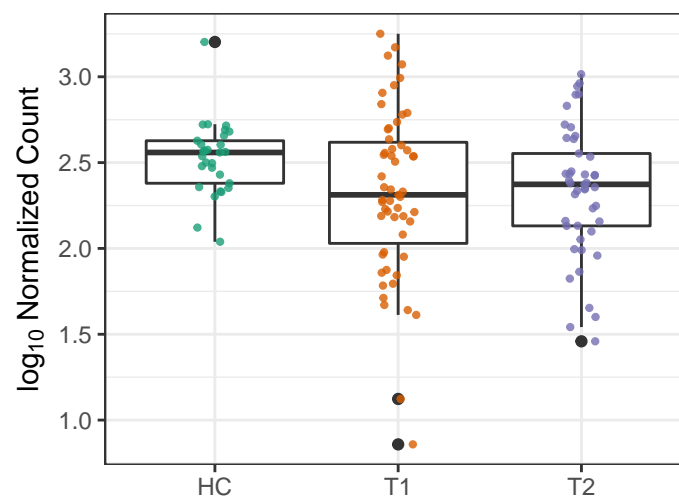
### Unclassified Balneolaeota Phylum

HC vs. T1  $p = 0.023$   
HC vs. T2  $p = 0.029$   
T1 vs. T2  $p = 0.84$



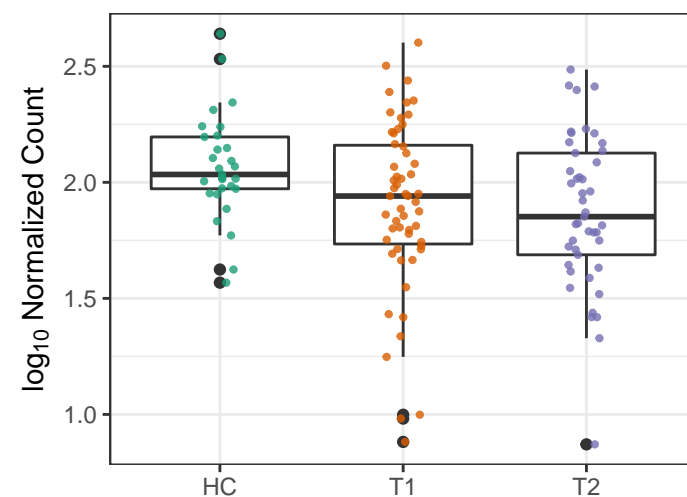
### Unclassified Verrucomicrobia Phylum

HC vs. T1  $p = 0.023$   
HC vs. T2  $p = 0.022$   
T1 vs. T2  $p = 0.93$



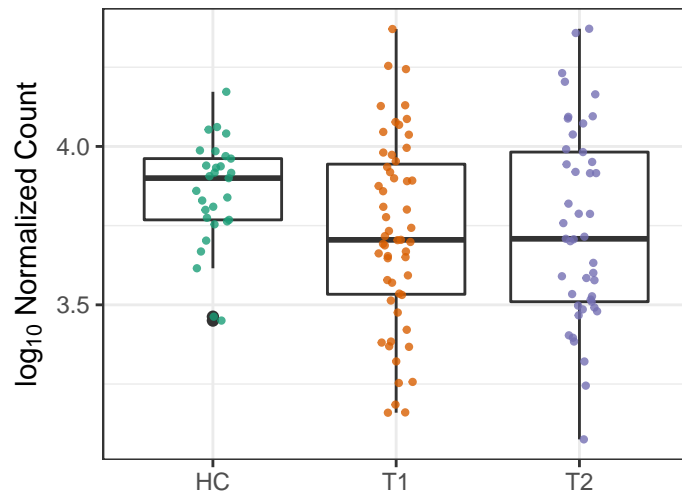
### Nitrososphaeria

HC vs. T1  $p = 0.026$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 0.96$



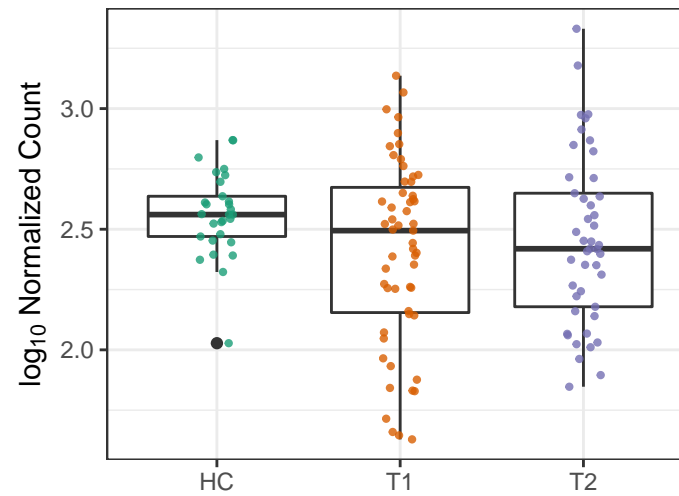
### Spirochaetia

HC vs. T1  $p = 0.026$   
HC vs. T2  $p = 0.085$   
T1 vs. T2  $p = 0.87$



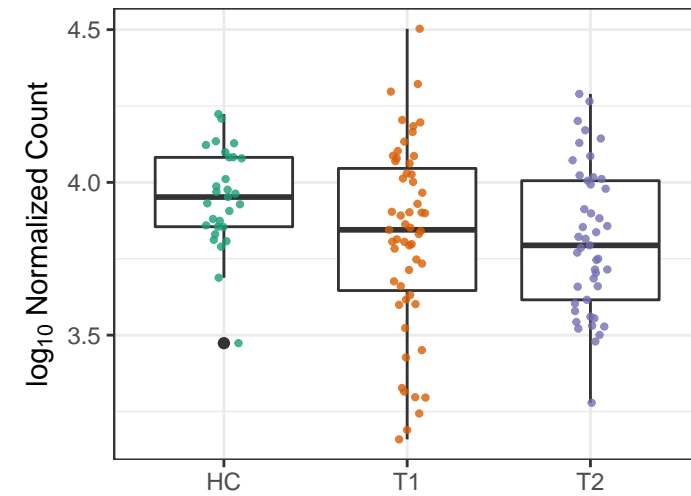
### Acidithiobacillia

HC vs. T1  $p = 0.027$   
HC vs. T2  $p = 0.12$   
T1 vs. T2  $p = 0.77$



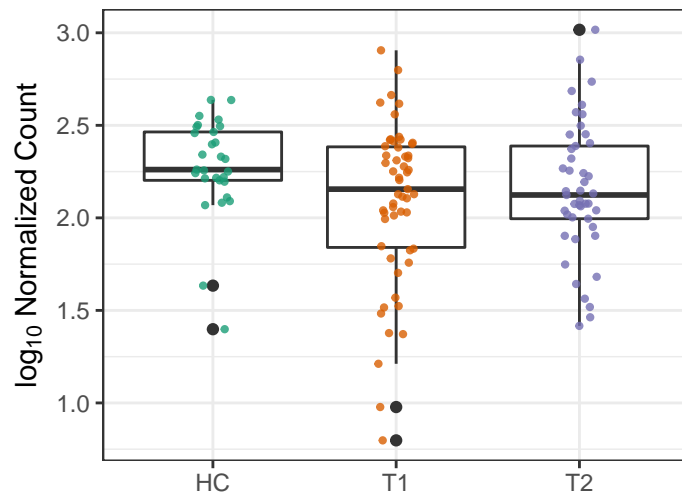
### Cytophagia

HC vs. T1  $p = 0.027$   
HC vs. T2  $p = 0.02$   
T1 vs. T2  $p = 1$



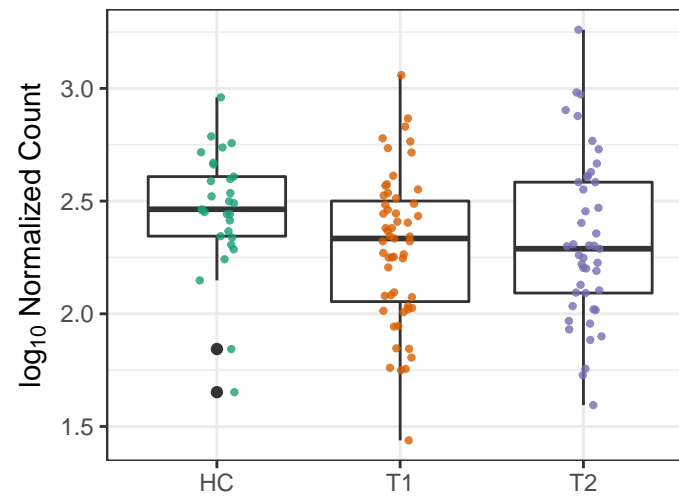
### Chrysiogenetes

HC vs. T1  $p = 0.028$   
HC vs. T2  $p = 0.13$   
T1 vs. T2  $p = 0.77$



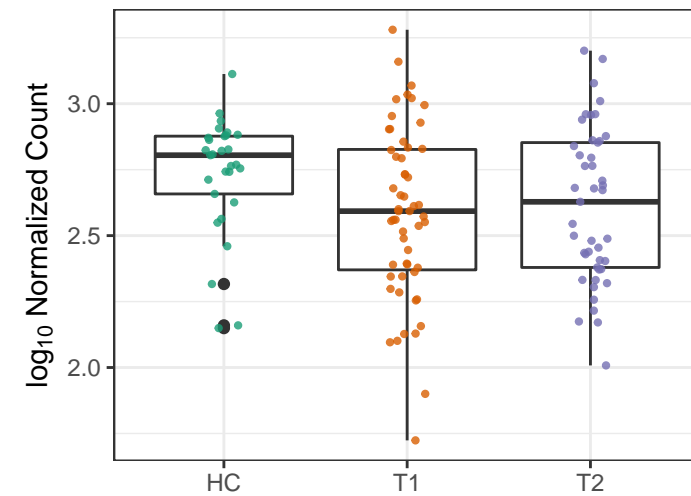
### Dothideomycetes

HC vs. T1  $p = 0.028$   
HC vs. T2  $p = 0.11$   
T1 vs. T2  $p = 0.77$



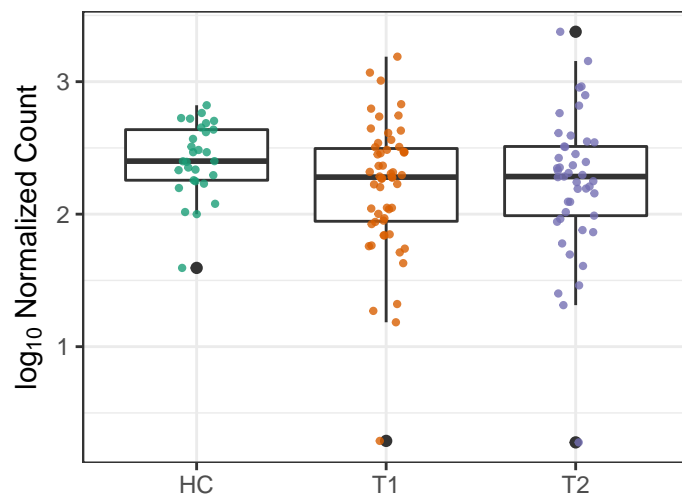
### Chlamydiia

HC vs. T1  $p = 0.029$   
HC vs. T2  $p = 0.081$   
T1 vs. T2  $p = 0.87$



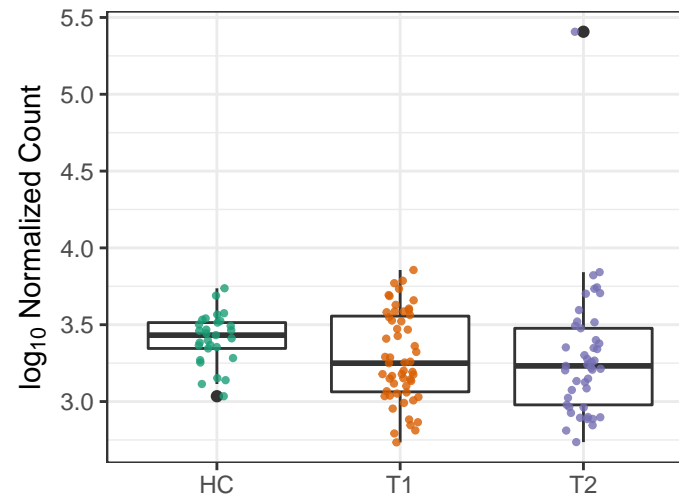
### Thermomicrobia

HC vs. T1  $p = 0.029$   
HC vs. T2  $p = 0.1$   
T1 vs. T2  $p = 0.84$



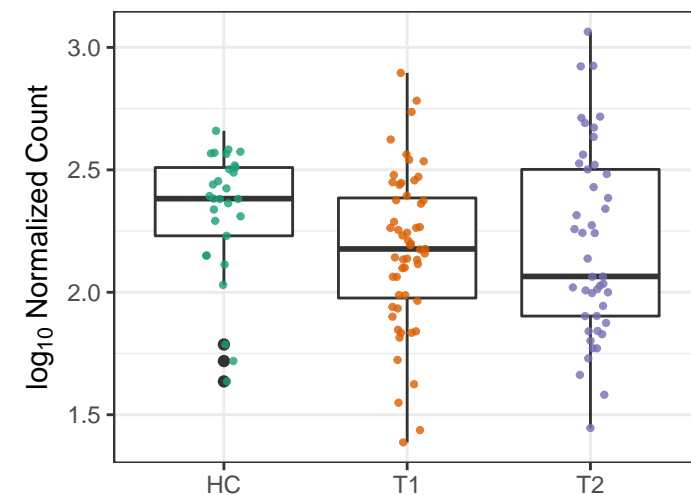
### Saccharomycetes

HC vs. T1  $p = 0.03$   
HC vs. T2  $p = 0.13$   
T1 vs. T2  $p = 0.93$



### Leotiomycetes

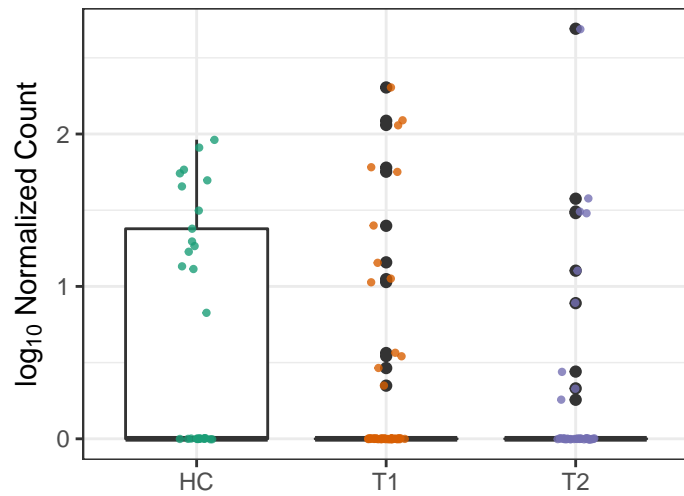
HC vs. T1  $p = 0.032$   
HC vs. T2  $p = 0.11$   
T1 vs. T2  $p = 0.96$





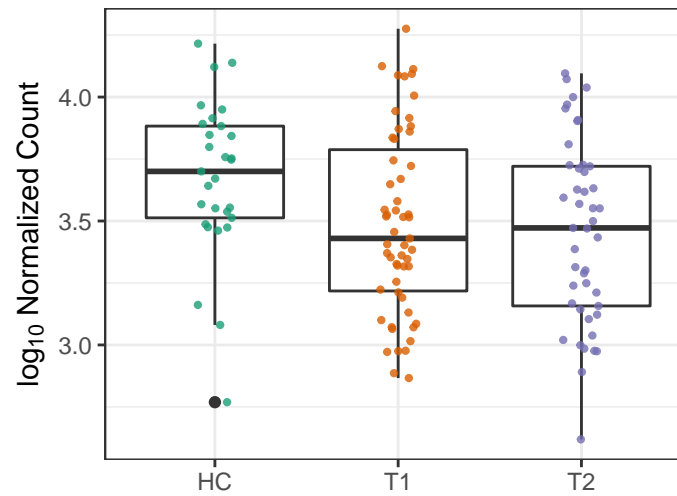
### Milneviricetes

HC vs. T1  $p = 0.032$   
HC vs. T2  $p = 0.021$   
T1 vs. T2  $p = 0.93$



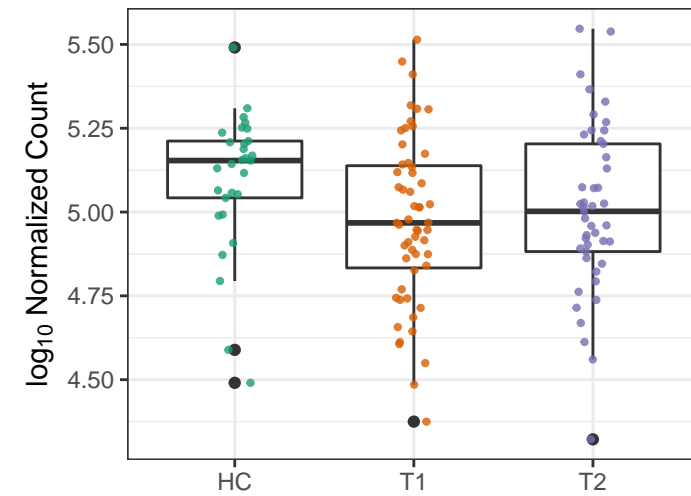
### Mollicutes

HC vs. T1  $p = 0.032$   
HC vs. T2  $p = 0.026$   
T1 vs. T2  $p = 0.84$



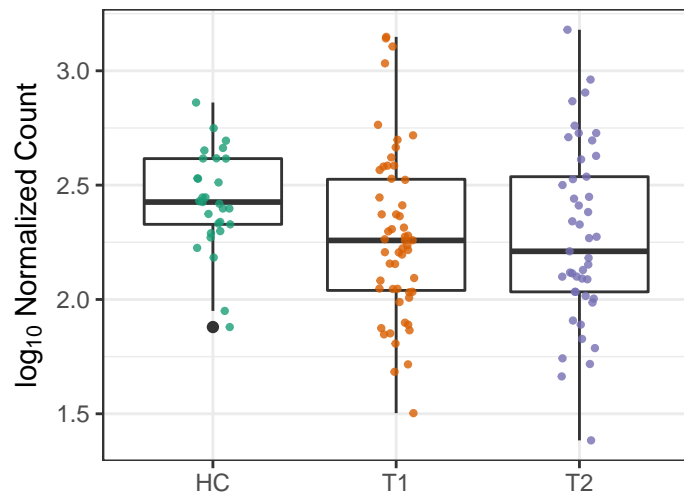
### Unclassified Firmicutes Phylum

HC vs. T1  $p = 0.033$   
HC vs. T2  $p = 0.14$   
T1 vs. T2  $p = 0.77$



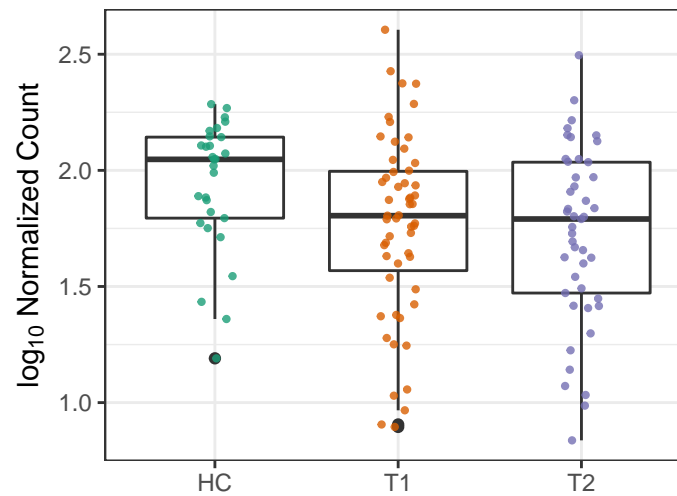
### Tremellomycetes

HC vs. T1  $p = 0.033$   
HC vs. T2  $p = 0.061$   
T1 vs. T2  $p = 0.93$



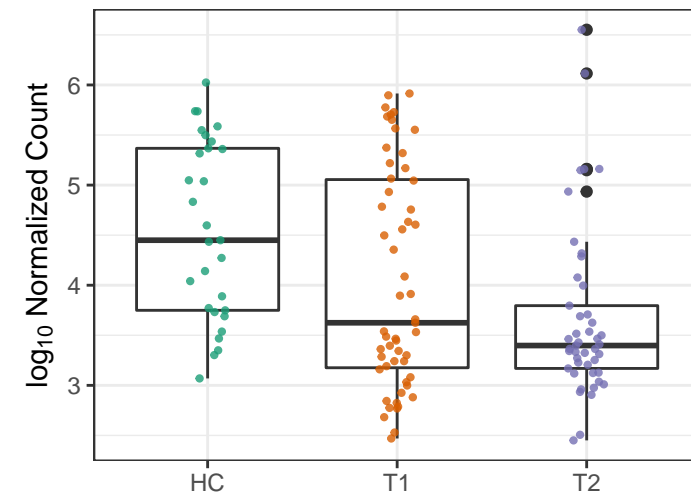
### Candidatus Brocadiae

HC vs. T1  $p = 0.034$   
HC vs. T2  $p = 0.022$   
T1 vs. T2  $p = 0.87$



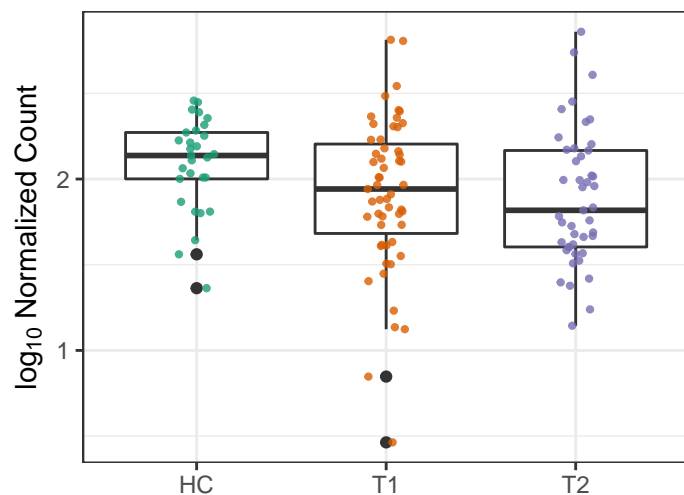
### Verrucomicrobiae

HC vs. T1  $p = 0.038$   
HC vs. T2  $p = 0.0041$   
T1 vs. T2  $p = 0.77$



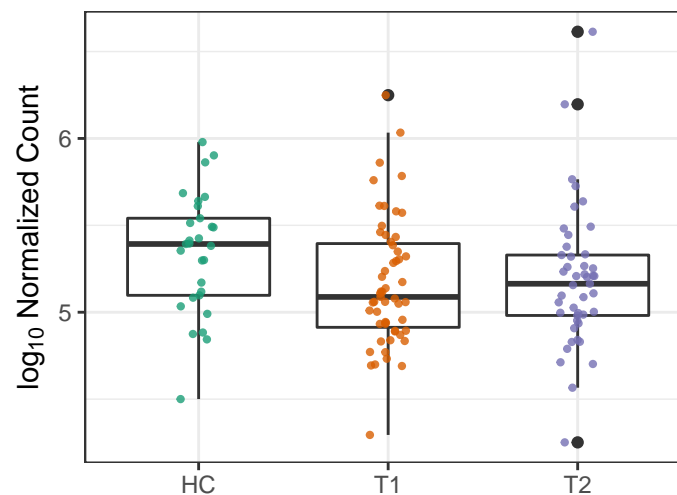
### Calditrichae

HC vs. T1  $p = 0.047$   
HC vs. T2  $p = 0.031$   
T1 vs. T2  $p = 0.93$



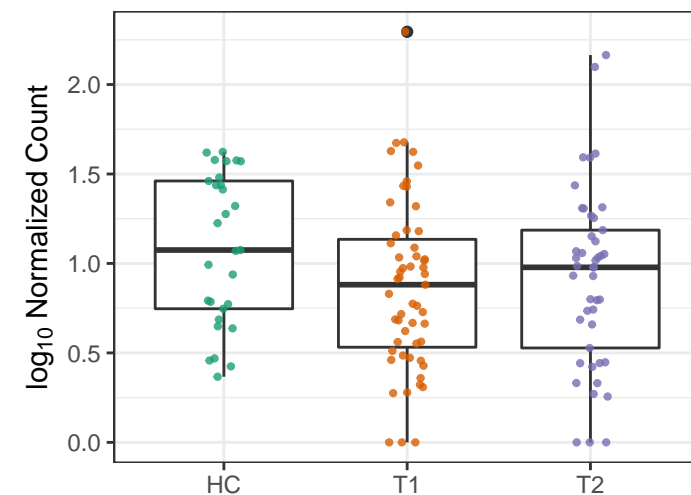
### Erysipelotrichia

HC vs. T1  $p = 0.052$   
HC vs. T2  $p = 0.11$   
T1 vs. T2  $p = 0.93$



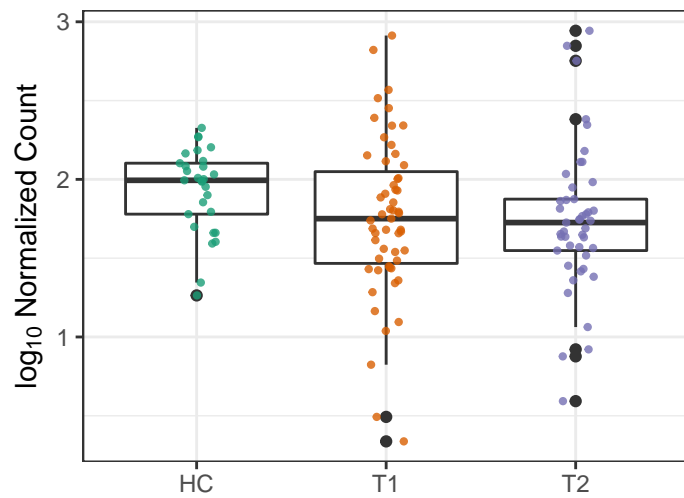
### Unclassified Ascomycota Phylum

HC vs. T1  $p = 0.059$   
HC vs. T2  $p = 0.15$   
T1 vs. T2  $p = 0.93$



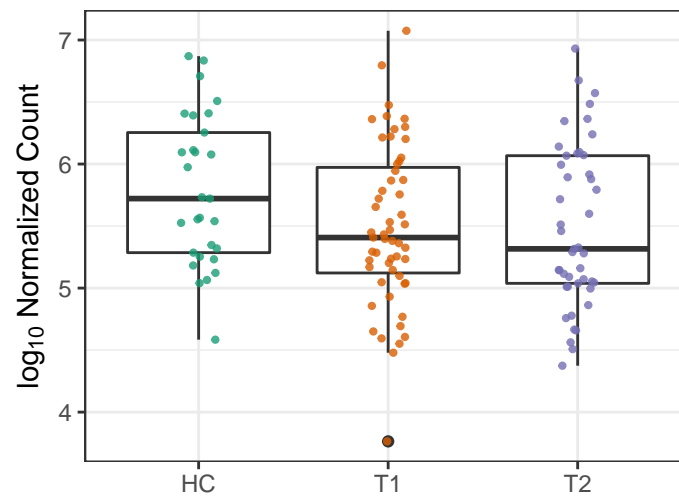
### Unclassified candidate division Zixibacte

HC vs. T1  $p = 0.064$   
HC vs. T2  $p = 0.056$   
T1 vs. T2  $p = 0.93$



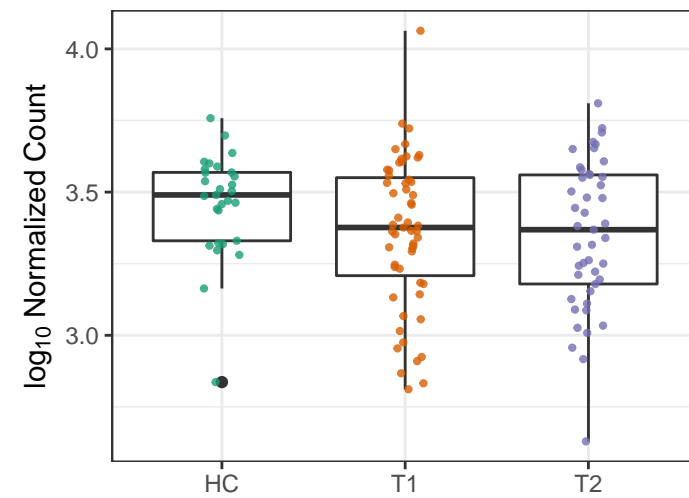
### Actinobacteria

HC vs. T1  $p = 0.065$   
HC vs. T2  $p = 0.08$   
T1 vs. T2  $p = 0.87$



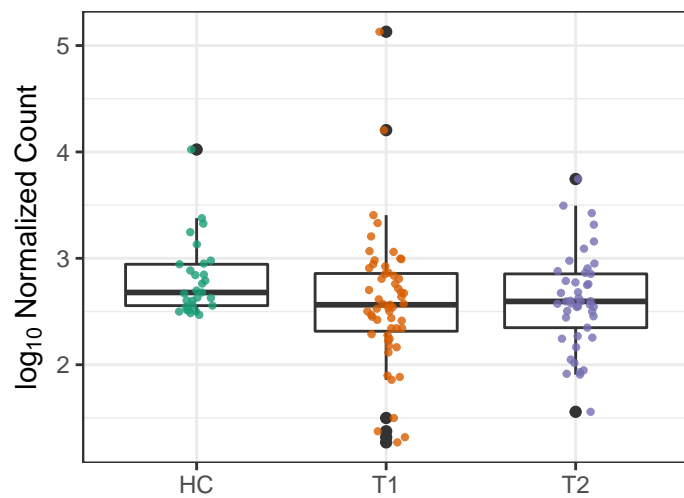
### Chitinophagia

HC vs. T1  $p = 0.065$   
HC vs. T2  $p = 0.062$   
T1 vs. T2  $p = 0.93$



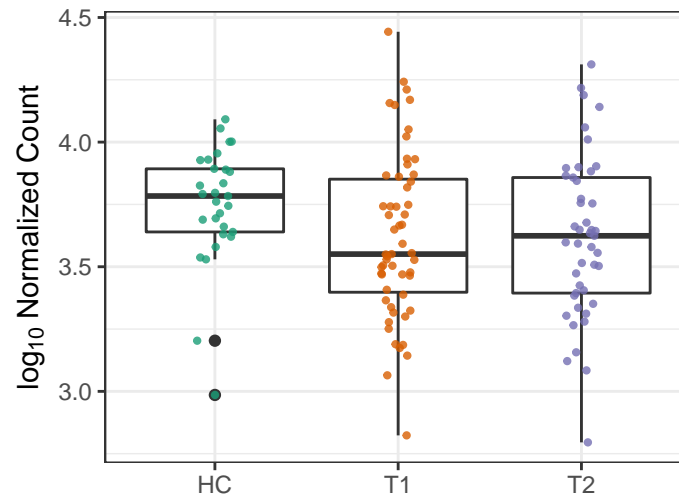
### Lentisphaeria

HC vs. T1  $p = 0.065$   
HC vs. T2  $p = 0.059$   
T1 vs. T2  $p = 0.87$



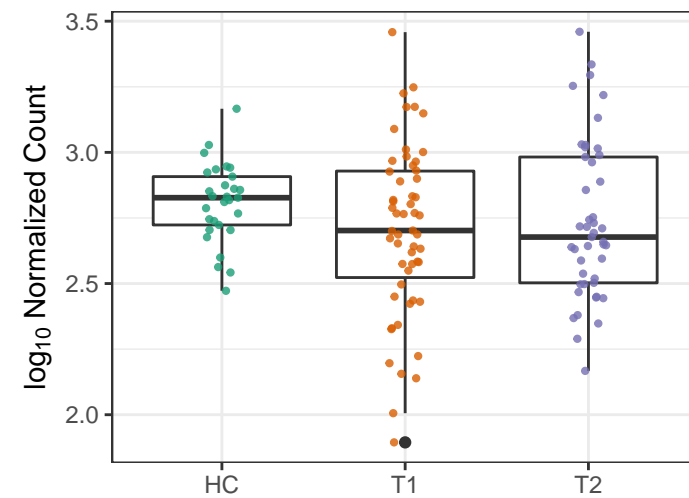
### Tissierellia

HC vs. T1  $p = 0.067$   
HC vs. T2  $p = 0.082$   
T1 vs. T2  $p = 0.99$



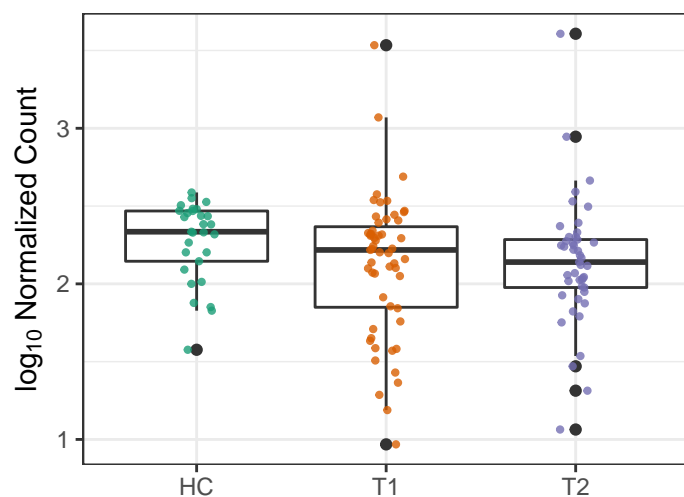
### Nitrospira

HC vs. T1  $p = 0.067$   
HC vs. T2  $p = 0.21$   
T1 vs. T2  $p = 0.77$



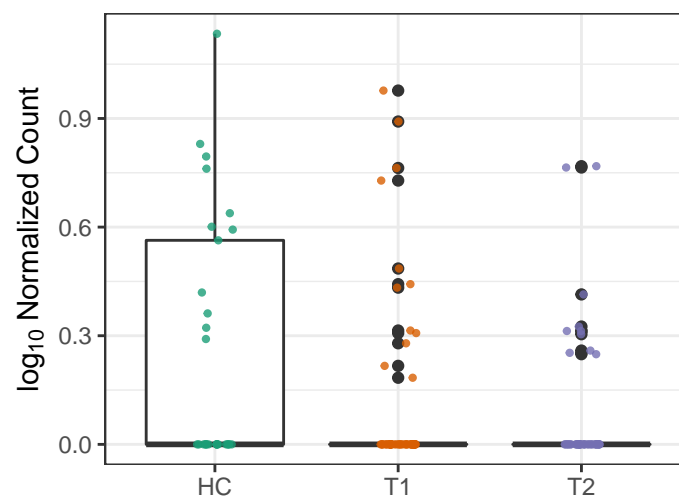
### Saprospira

HC vs. T1  $p = 0.07$   
HC vs. T2  $p = 0.11$   
T1 vs. T2  $p = 0.93$



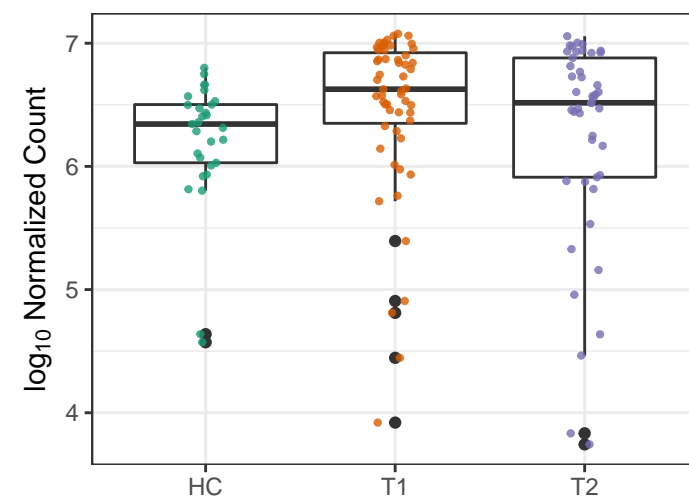
### Unclassified Basidiomycota Phylum

HC vs. T1  $p = 0.07$   
HC vs. T2  $p = 0.05$   
T1 vs. T2  $p = 0.96$



### Bacteroidia

HC vs. T1  $p = 0.071$   
HC vs. T2  $p = 0.81$   
T1 vs. T2  $p = 0.1$

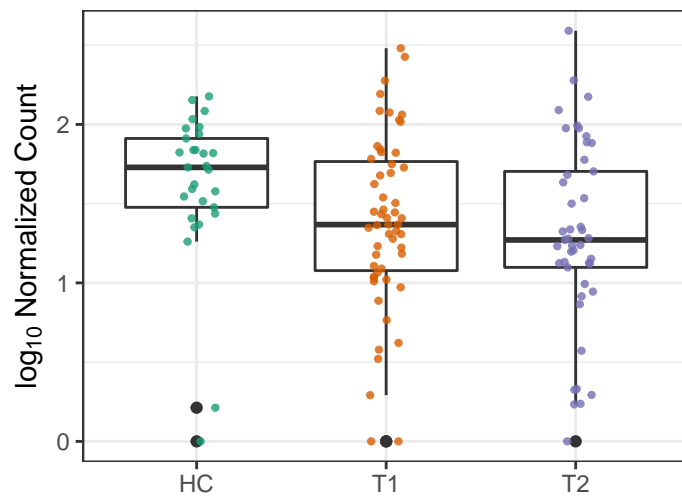


### Unclassified Candidatus Gracilibacteria f

HC vs. T1  $p = 0.071$

HC vs. T2  $p = 0.031$

T1 vs. T2  $p = 0.92$

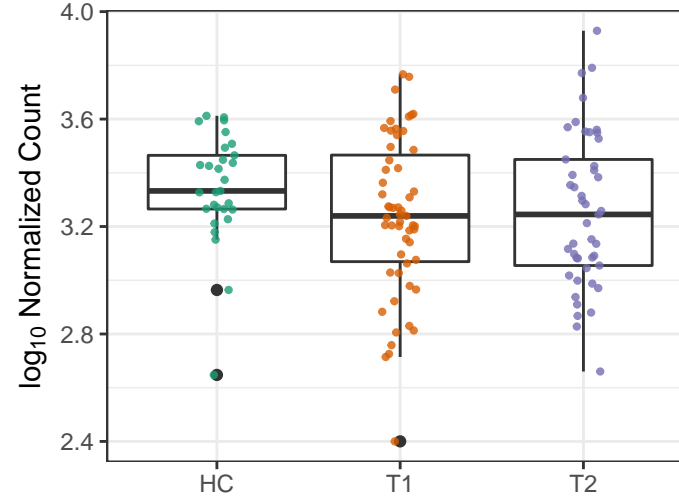


### Methanomicrobia

HC vs. T1  $p = 0.076$

HC vs. T2  $p = 0.16$

T1 vs. T2  $p = 0.87$

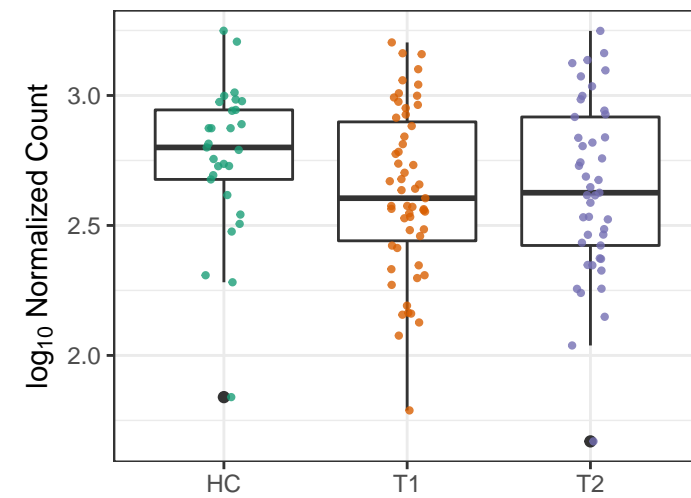


### Aquificae

HC vs. T1  $p = 0.076$

HC vs. T2  $p = 0.13$

T1 vs. T2  $p = 0.93$



### Coriobacteriia

HC vs. T1  $p = 0.089$

HC vs. T2  $p = 0.29$

T1 vs. T2  $p = 0.77$

