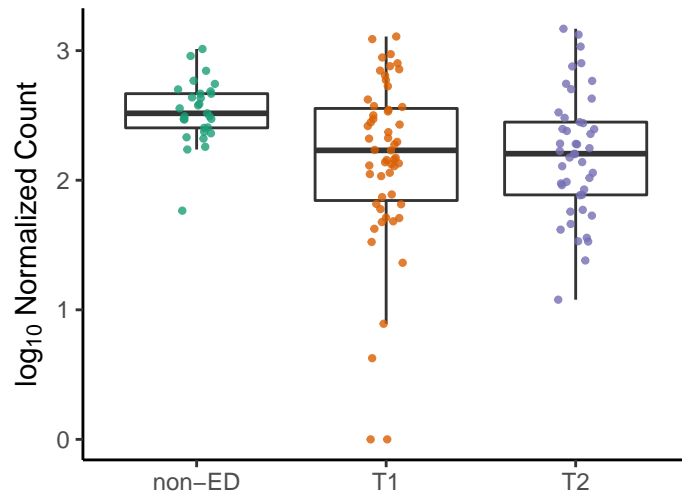


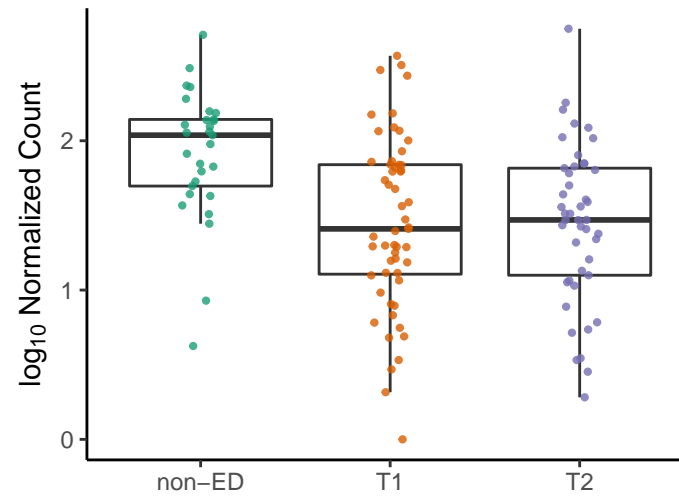
### Ardenticatenia

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.0039$   
T1 vs. T2 adjusted  $p = 0.76$



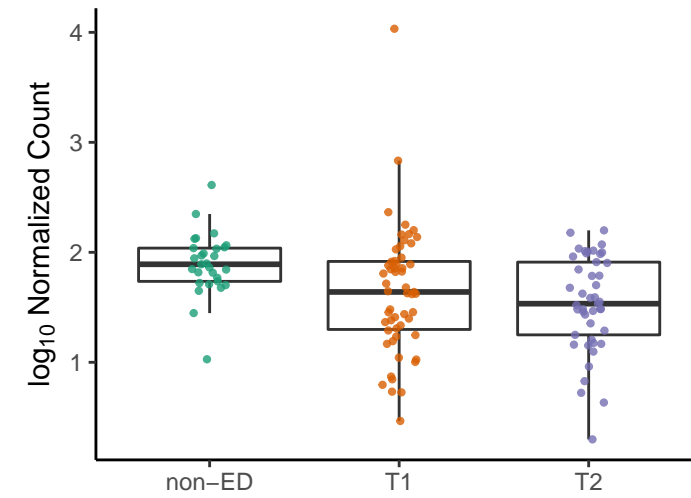
### Coprothermobacteria

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.0039$   
T1 vs. T2 adjusted  $p = 0.92$



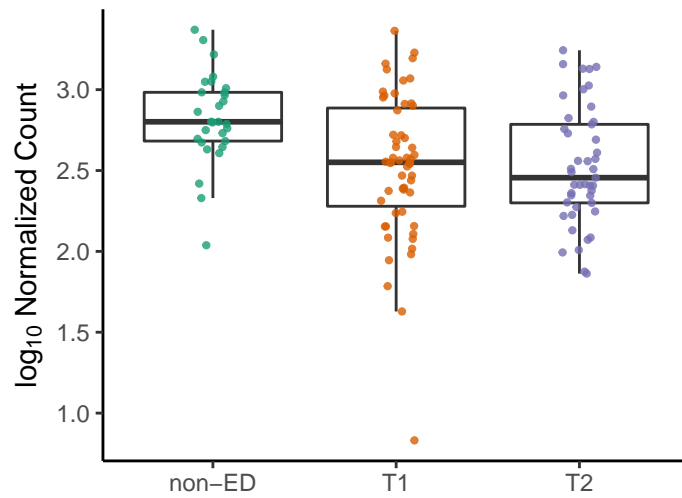
### Malasseziomycetes

non-ED vs. T1 adjusted  $p = 0.019$   
non-ED vs. T2 adjusted  $p = 0.0039$   
T1 vs. T2 adjusted  $p = 0.76$



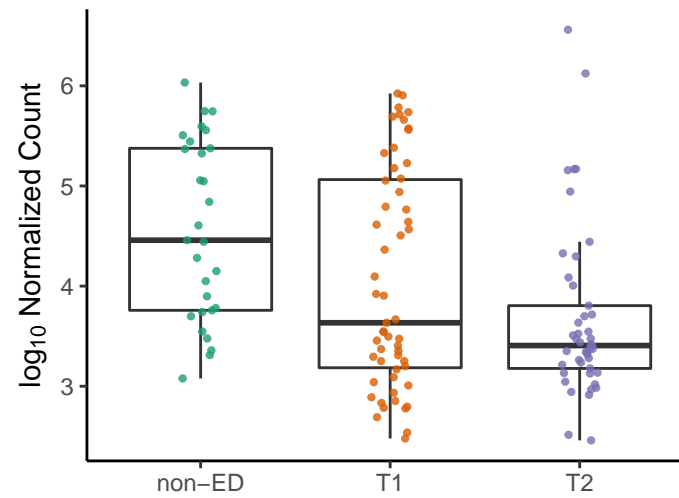
### Unclassified Candidatus Saccharibacte

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.0039$   
T1 vs. T2 adjusted  $p = 0.93$



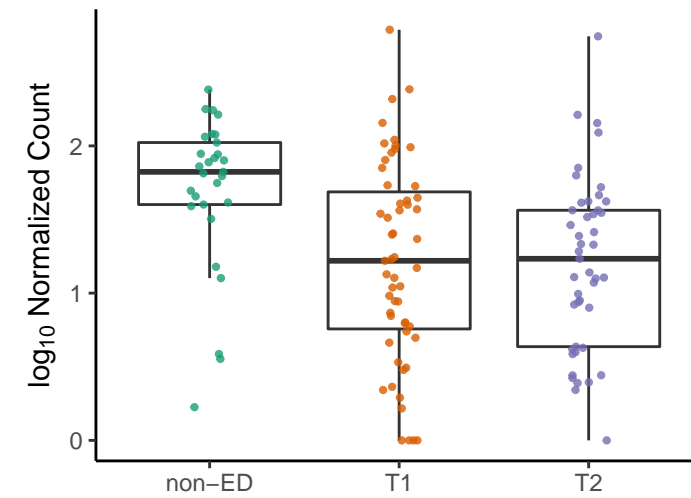
### Verrucomicrobiae

non-ED vs. T1 adjusted  $p = 0.037$   
non-ED vs. T2 adjusted  $p = 0.0039$   
T1 vs. T2 adjusted  $p = 0.76$



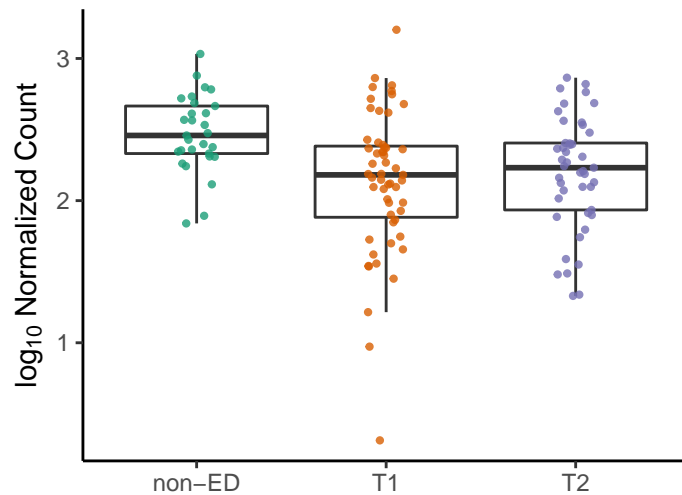
### Unclassified Acidobacteria Phylum

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.0053$   
T1 vs. T2 adjusted  $p = 0.99$



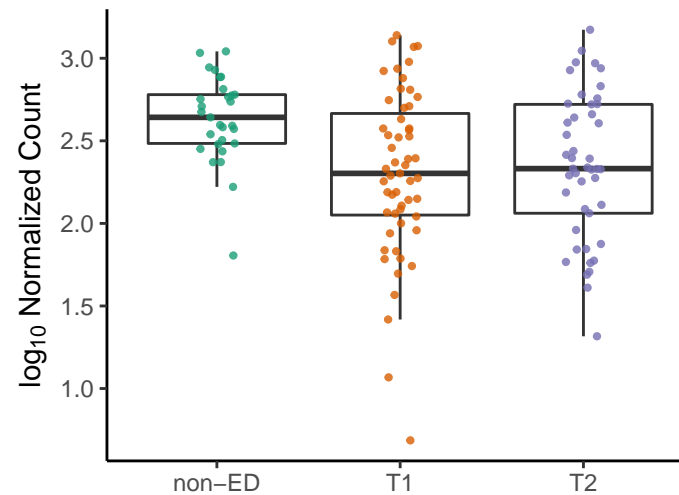
### Tepidiformia

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.009$   
T1 vs. T2 adjusted  $p = 0.76$



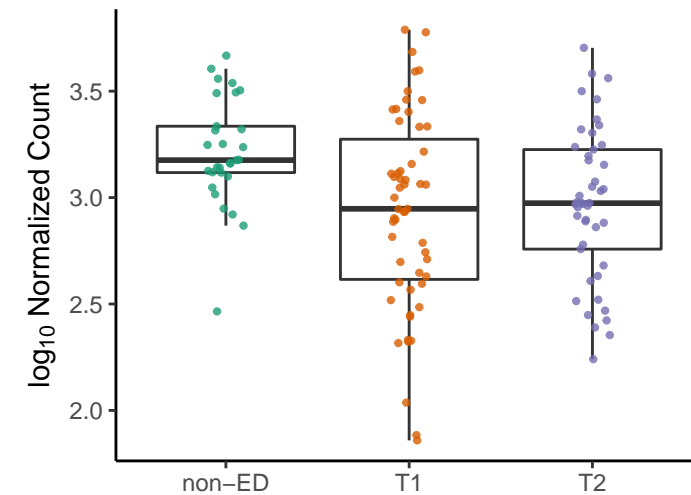
### Acidimicrobiia

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.011$   
T1 vs. T2 adjusted  $p = 0.76$



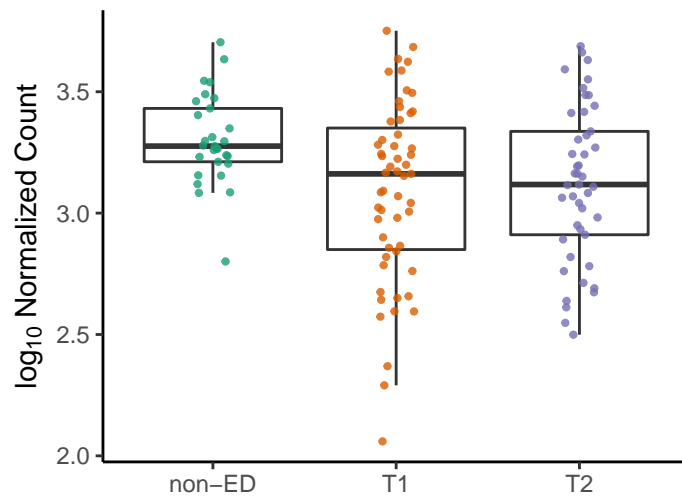
### Opitutae

non-ED vs. T1 adjusted  $p = 0.0043$   
non-ED vs. T2 adjusted  $p = 0.012$   
T1 vs. T2 adjusted  $p = 0.76$



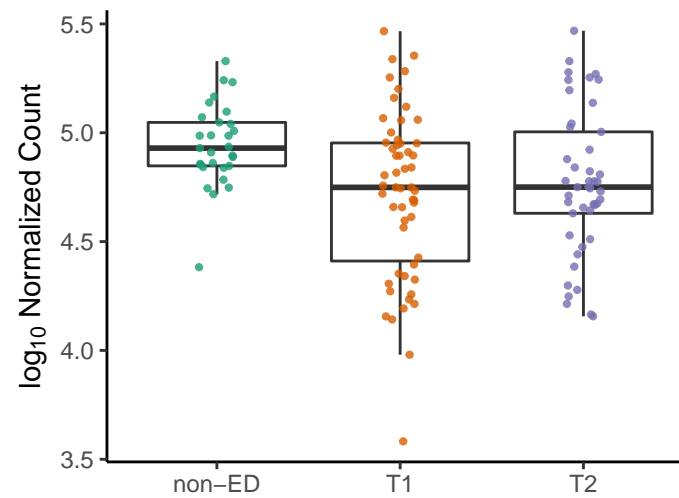
### Acidobacteriia

non-ED vs. T1 adjusted  $p = 0.0048$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



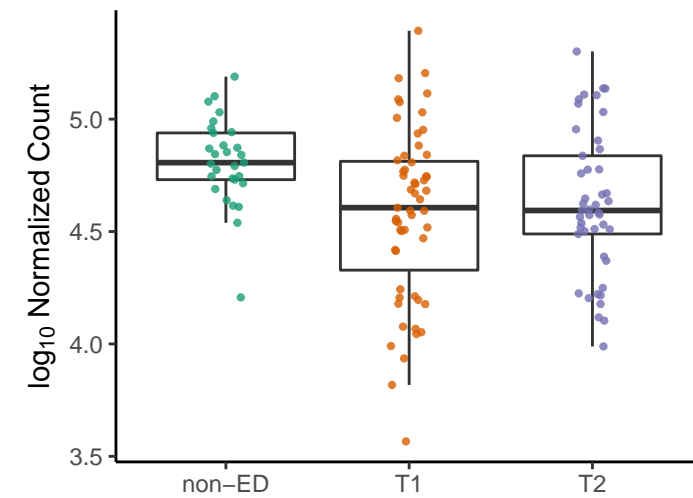
### Alphaproteobacteria

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



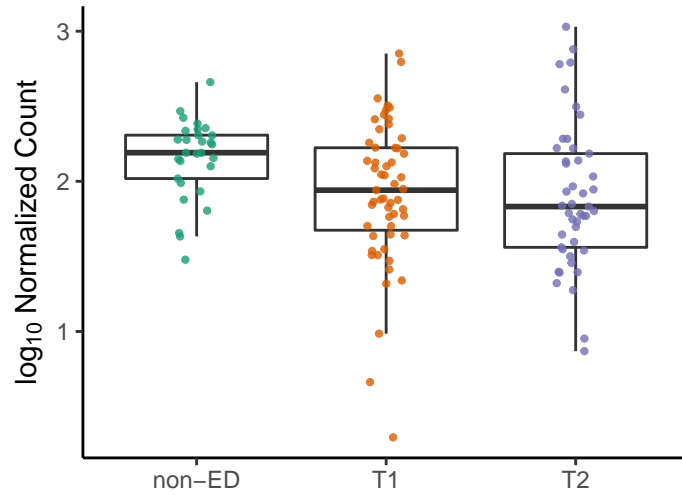
### Betaproteobacteria

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



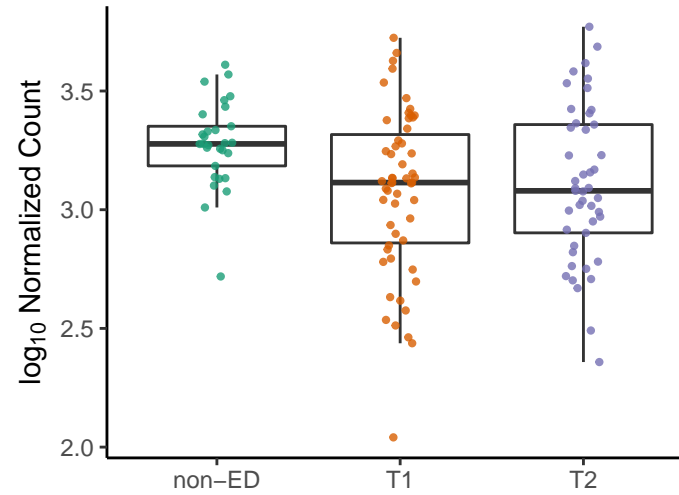
### Blastocatellia

non-ED vs. T1 adjusted  $p = 0.015$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.96$



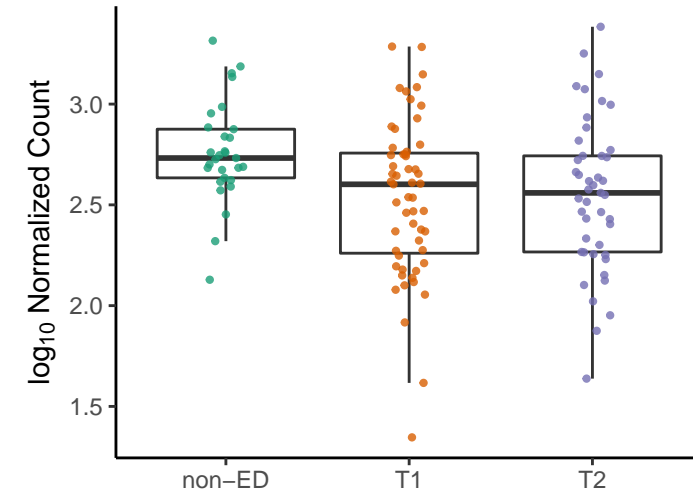
### Chlorobia

non-ED vs. T1 adjusted  $p = 0.0049$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



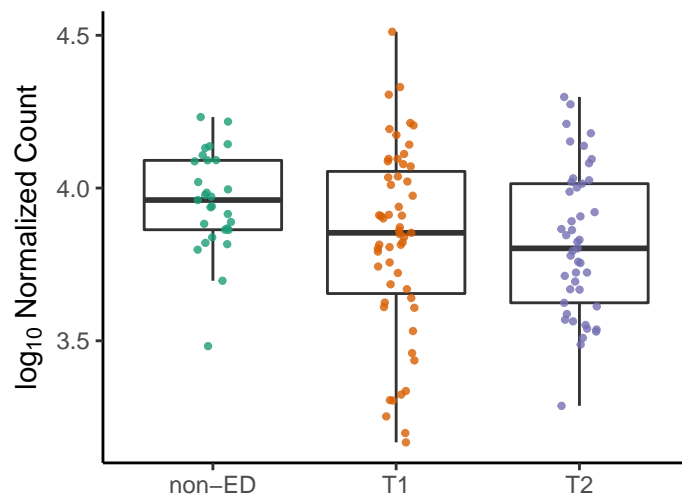
### Chloroflexia

non-ED vs. T1 adjusted  $p = 0.0075$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.82$



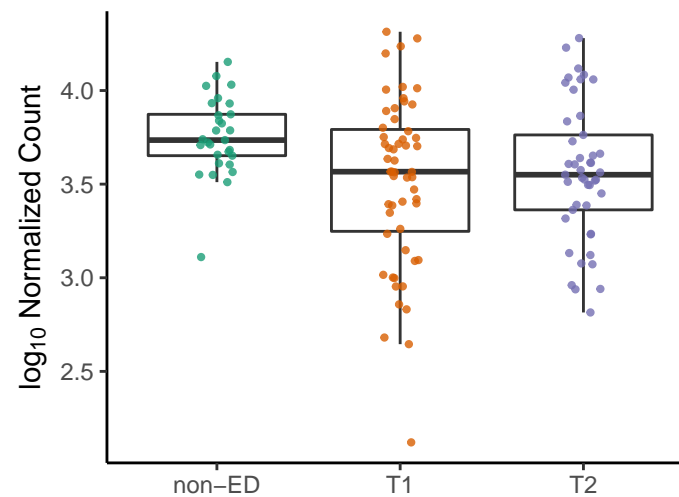
### Cytophagia

non-ED vs. T1 adjusted  $p = 0.026$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.99$



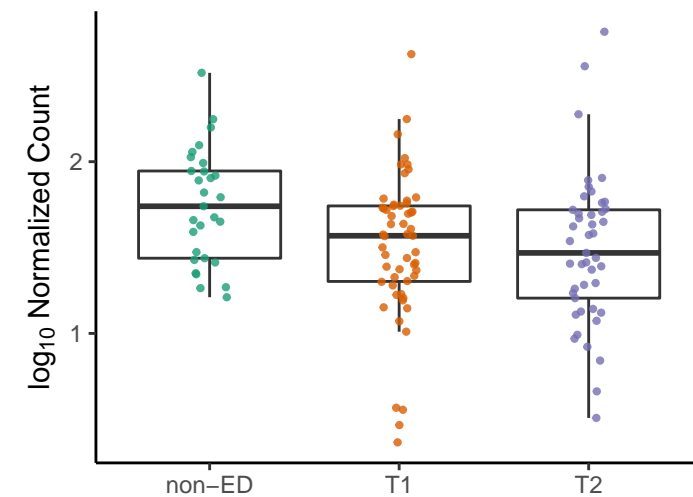
### Deinococci

non-ED vs. T1 adjusted  $p = 0.0062$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



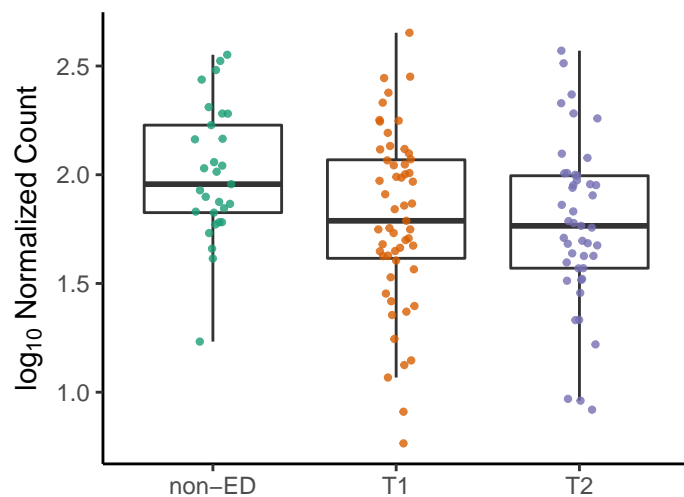
### Elusimicrobia

non-ED vs. T1 adjusted  $p = 0.017$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.96$



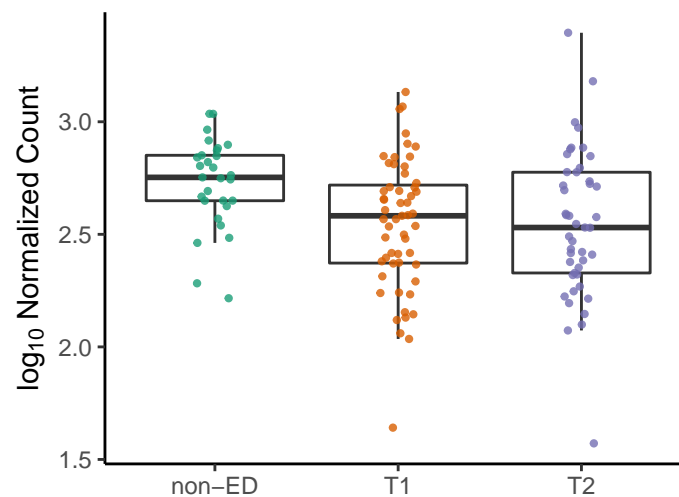
### Endomicrobia

non-ED vs. T1 adjusted  $p = 0.021$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.93$



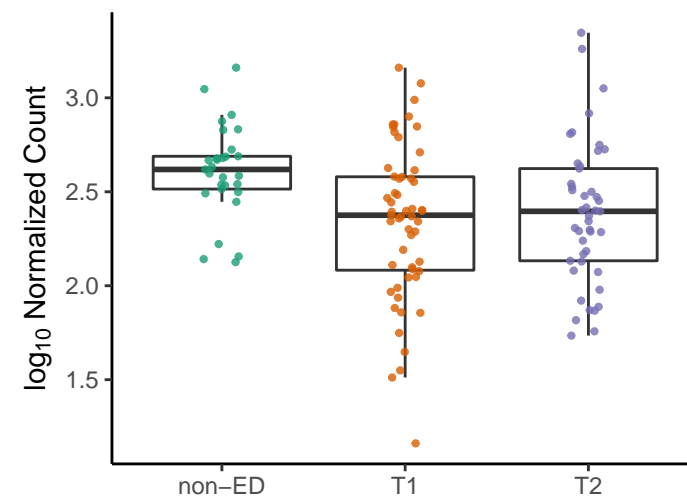
### Eurotiomycetes

non-ED vs. T1 adjusted  $p = 0.0058$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.96$



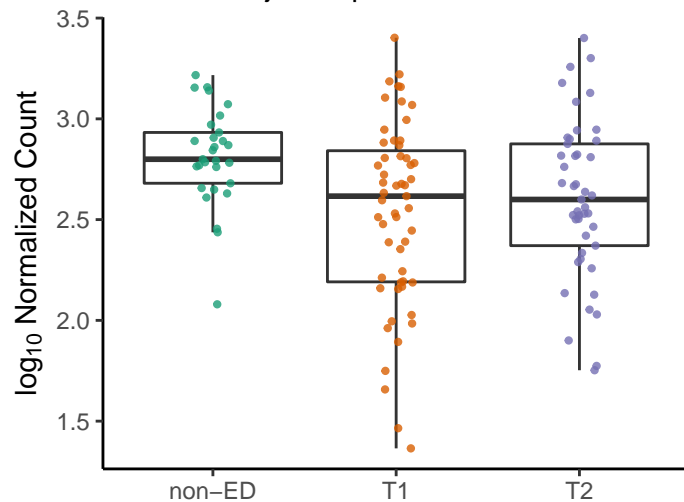
### Fibrobacteria

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



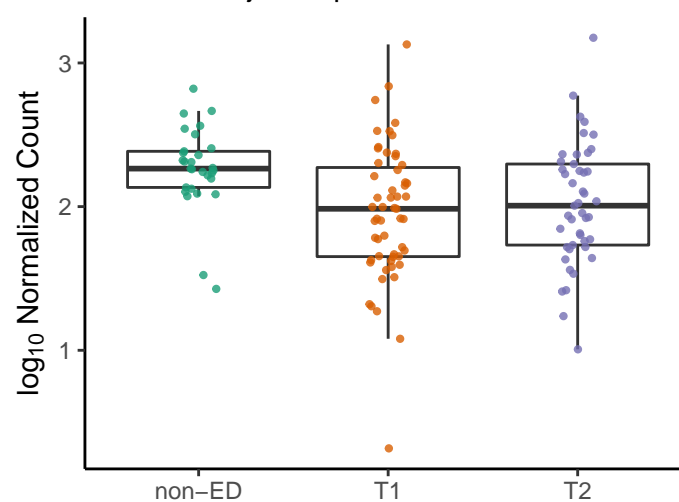
### Gemmatimonadetes

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



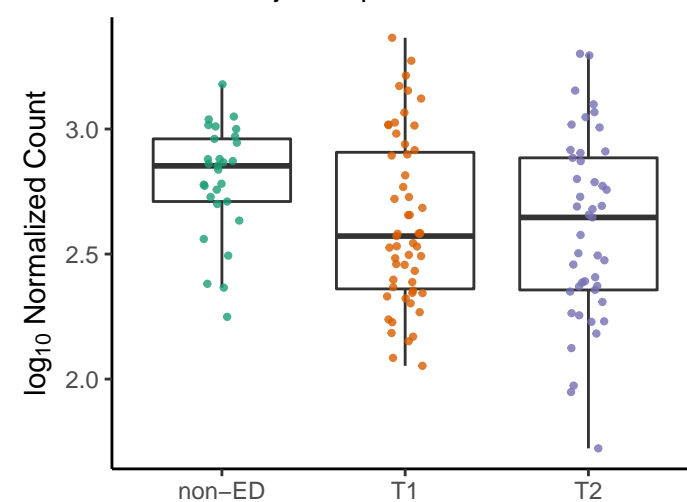
### Ktedonobacteria

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



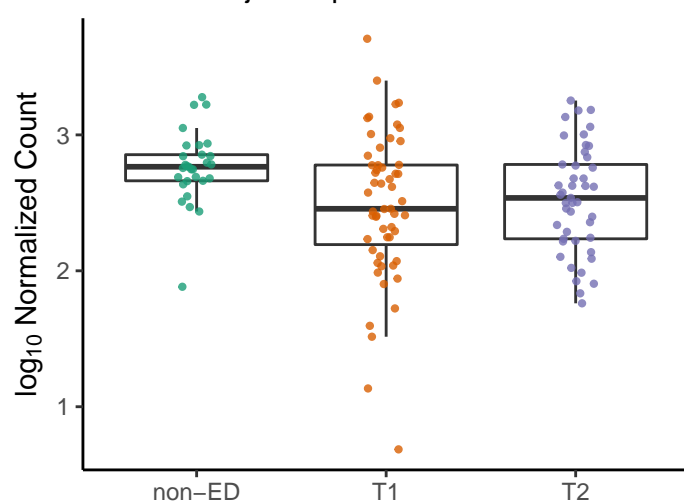
### Methanococci

non-ED vs. T1 adjusted  $p = 0.017$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.93$



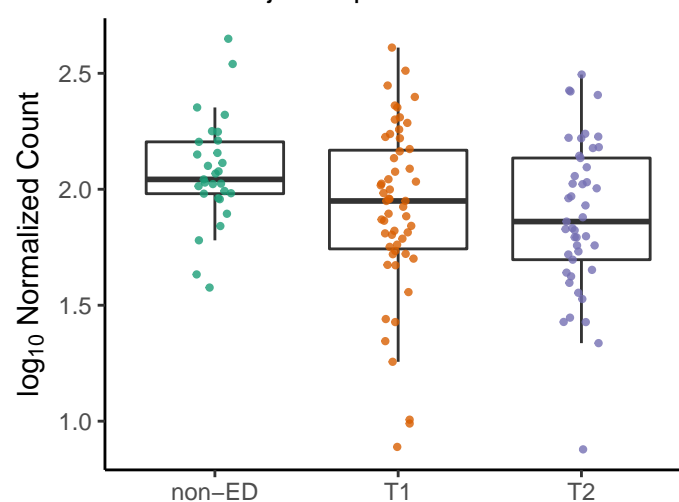
### Nitriliruptoria

non-ED vs. T1 adjusted  $p = 0.0075$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



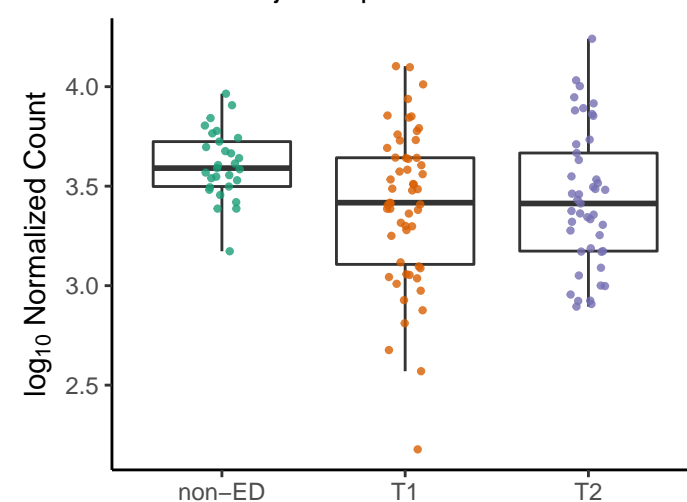
### Nitrososphaeria

non-ED vs. T1 adjusted  $p = 0.025$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.96$



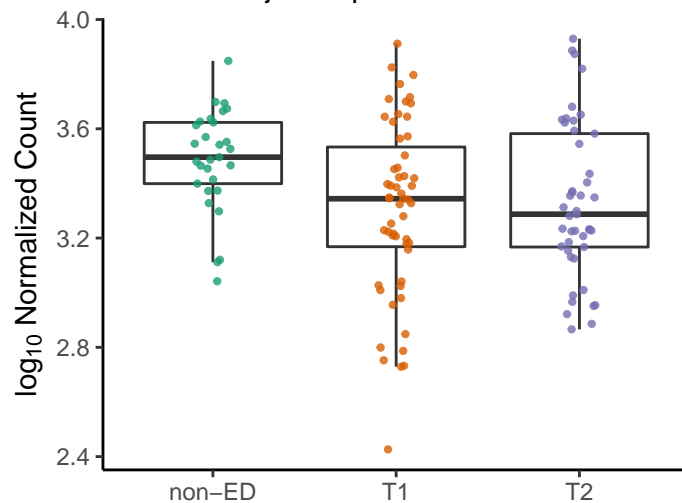
### Planctomycetia

non-ED vs. T1 adjusted  $p = 0.0058$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



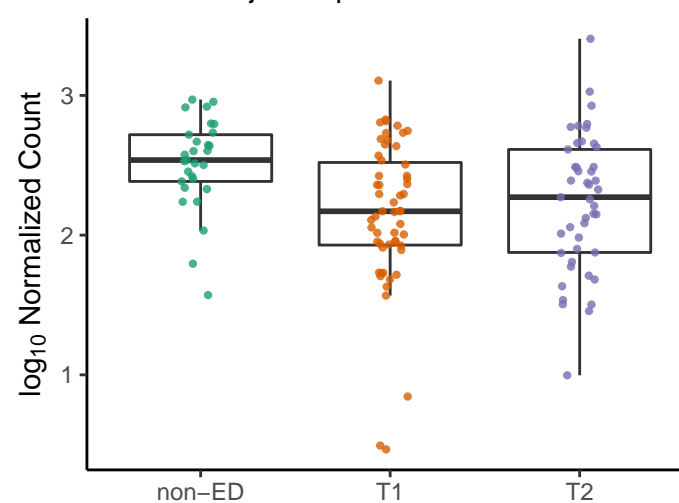
### Sordariomycetes

non-ED vs. T1 adjusted  $p = 0.0071$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



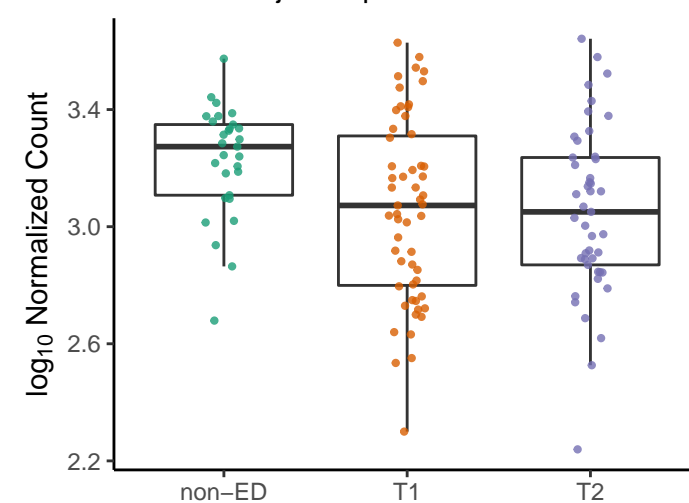
### Thermoleophilia

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



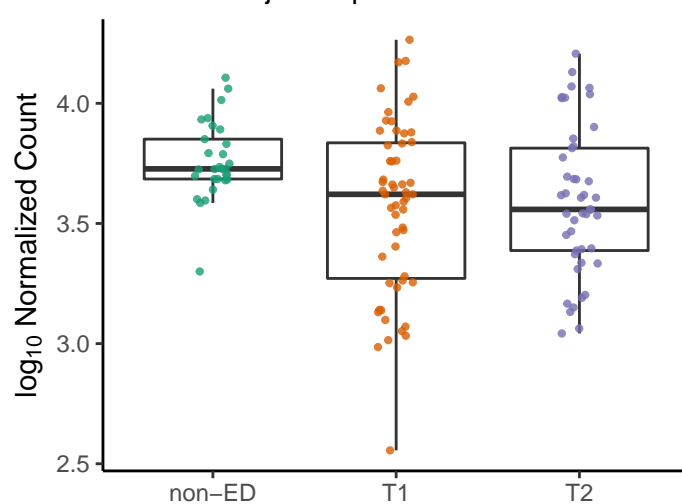
### Thermotogae

non-ED vs. T1 adjusted  $p = 0.0097$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.99$



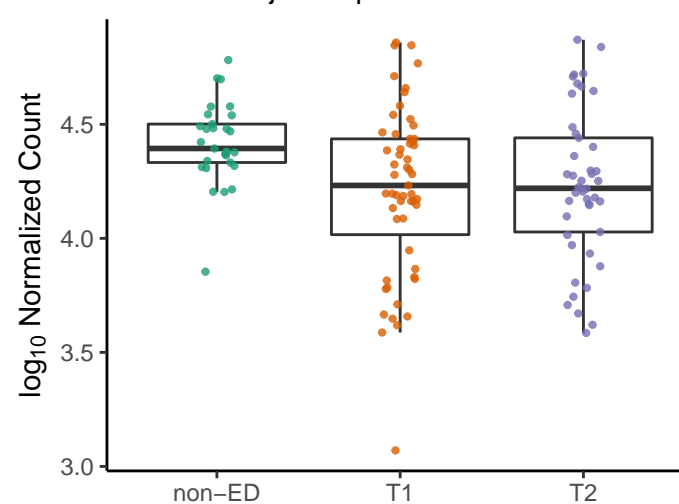
### Unclassified Planctomycetes Phylum

non-ED vs. T1 adjusted  $p = 0.006$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



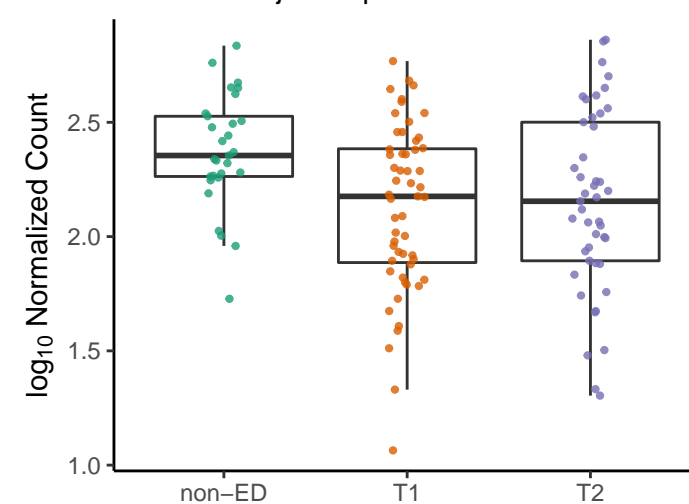
### Unclassified Proteobacteria Phylum

non-ED vs. T1 adjusted  $p = 0.005$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



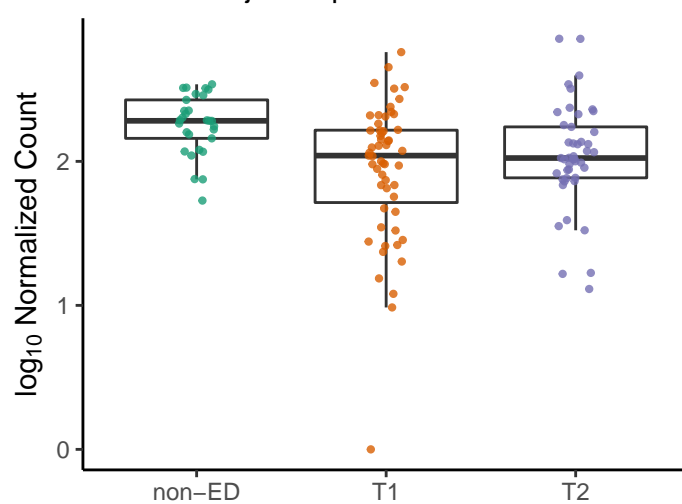
### Ustilaginomycetes

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



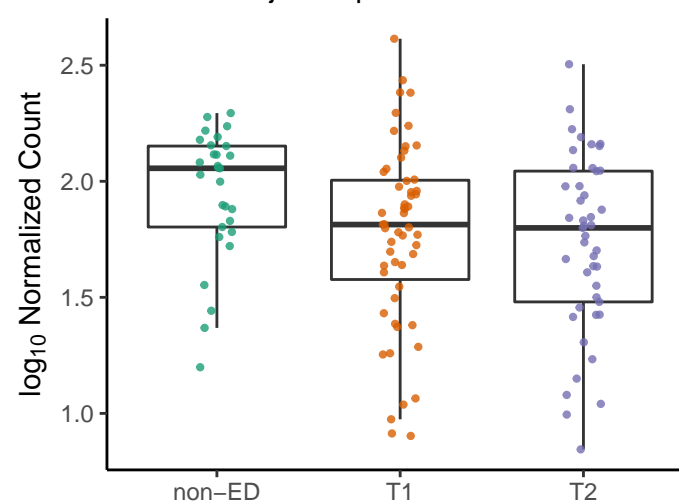
### Zetaproteobacteria

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.76$



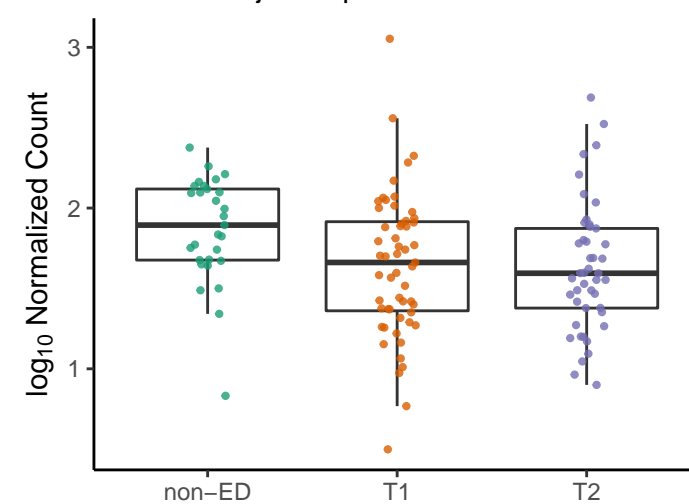
### Candidatus Brocadiae

non-ED vs. T1 adjusted  $p = 0.032$   
non-ED vs. T2 adjusted  $p = 0.022$   
T1 vs. T2 adjusted  $p = 0.86$



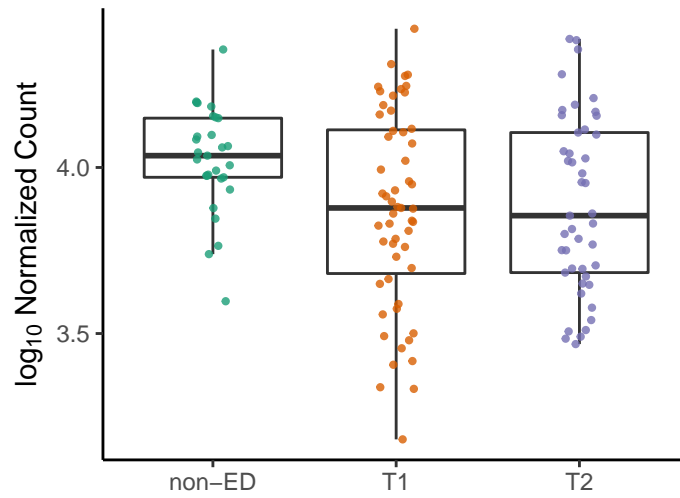
### Unclassified Euryarchaeota Phylum

non-ED vs. T1 adjusted  $p = 0.021$   
non-ED vs. T2 adjusted  $p = 0.022$   
T1 vs. T2 adjusted  $p = 0.96$



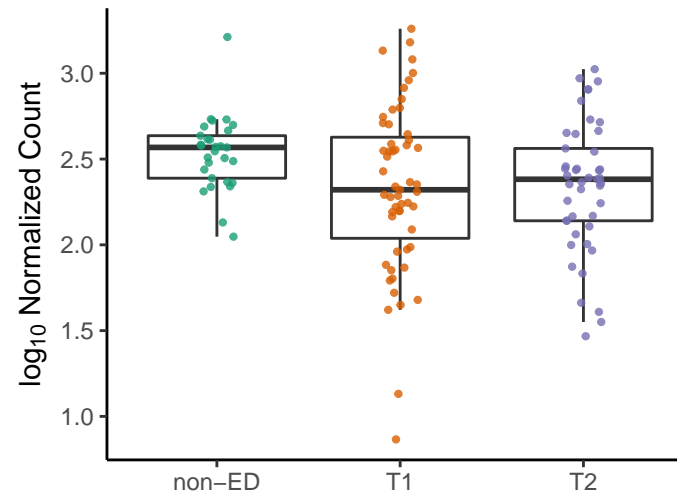
### Unclassified Cyanobacteria Phylum

non-ED vs. T1 adjusted  $p = 0.01$   
non-ED vs. T2 adjusted  $p = 0.022$   
T1 vs. T2 adjusted  $p = 0.89$



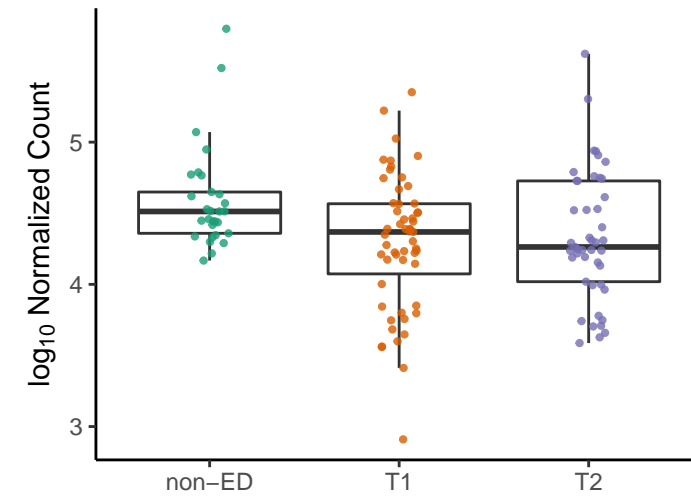
### Unclassified Verrucomicrobia Phylum

non-ED vs. T1 adjusted  $p = 0.022$   
non-ED vs. T2 adjusted  $p = 0.022$   
T1 vs. T2 adjusted  $p = 0.92$



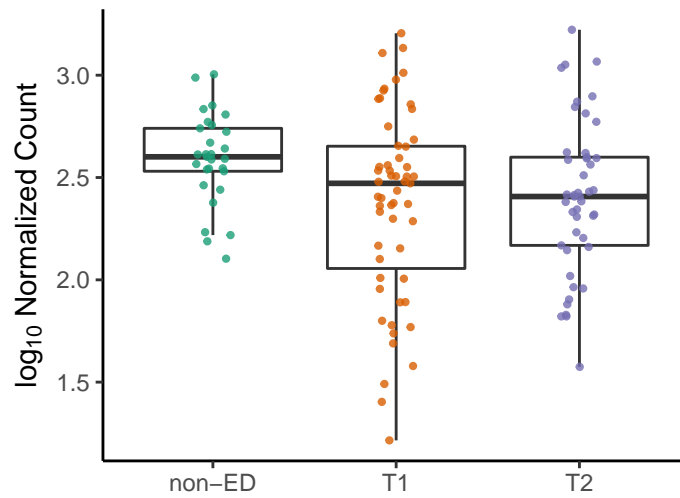
### Deltaproteobacteria

non-ED vs. T1 adjusted  $p = 0.0075$   
non-ED vs. T2 adjusted  $p = 0.025$   
T1 vs. T2 adjusted  $p = 0.82$



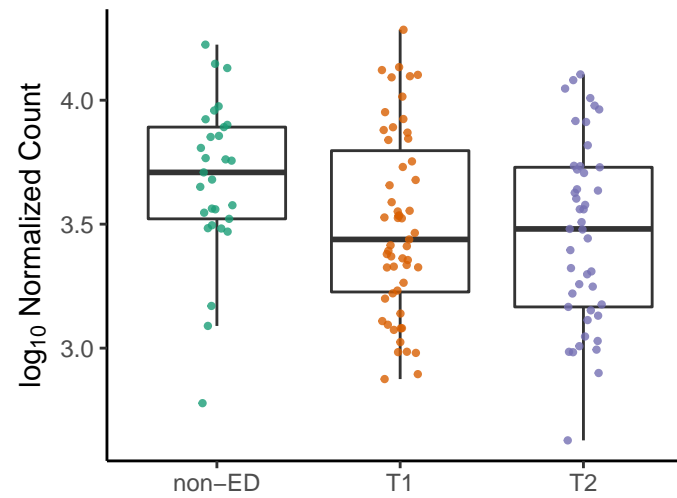
### Gloeobacteria

non-ED vs. T1 adjusted  $p = 0.013$   
non-ED vs. T2 adjusted  $p = 0.025$   
T1 vs. T2 adjusted  $p = 0.76$



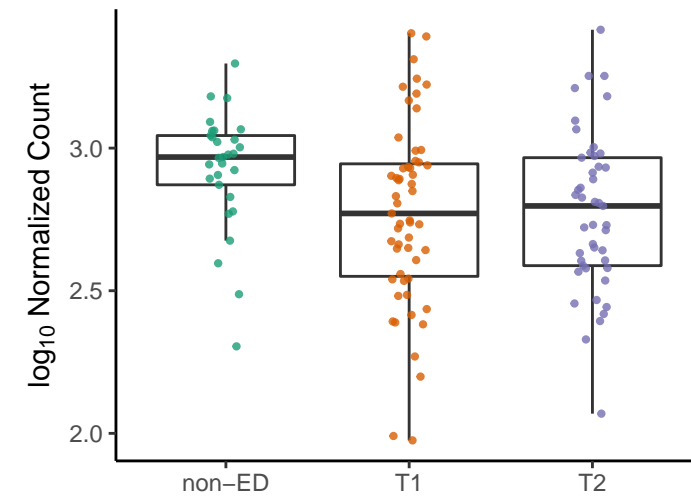
### Mollicutes

non-ED vs. T1 adjusted  $p = 0.031$   
non-ED vs. T2 adjusted  $p = 0.025$   
T1 vs. T2 adjusted  $p = 0.82$



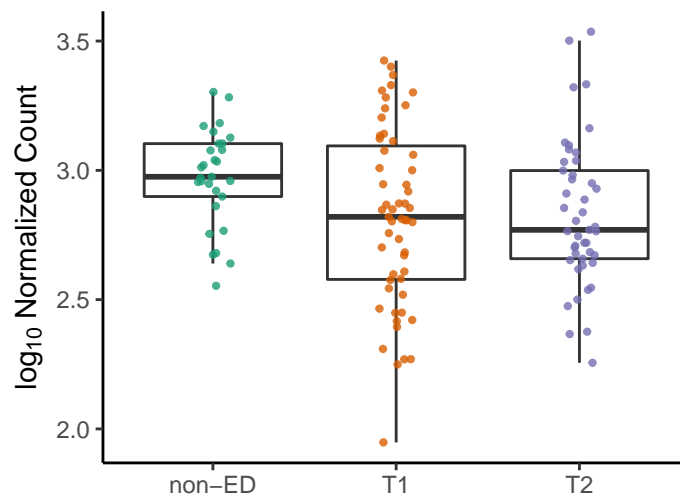
### Oligoflexia

non-ED vs. T1 adjusted  $p = 0.019$   
non-ED vs. T2 adjusted  $p = 0.026$   
T1 vs. T2 adjusted  $p = 0.95$



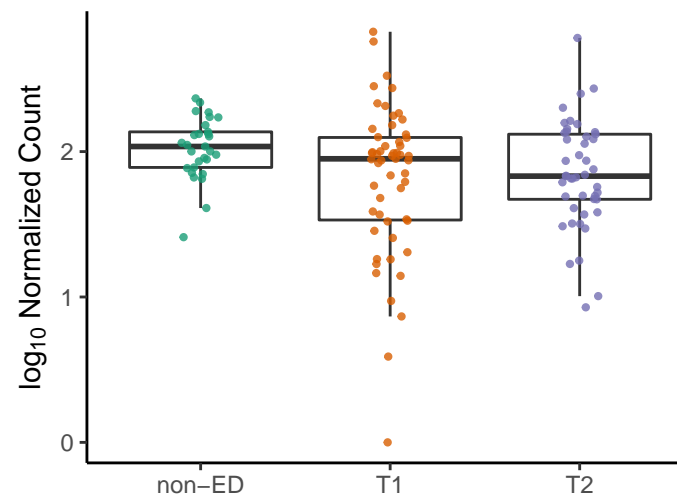
### Thermoprotei

non-ED vs. T1 adjusted  $p = 0.022$   
non-ED vs. T2 adjusted  $p = 0.029$   
T1 vs. T2 adjusted  $p = 0.93$



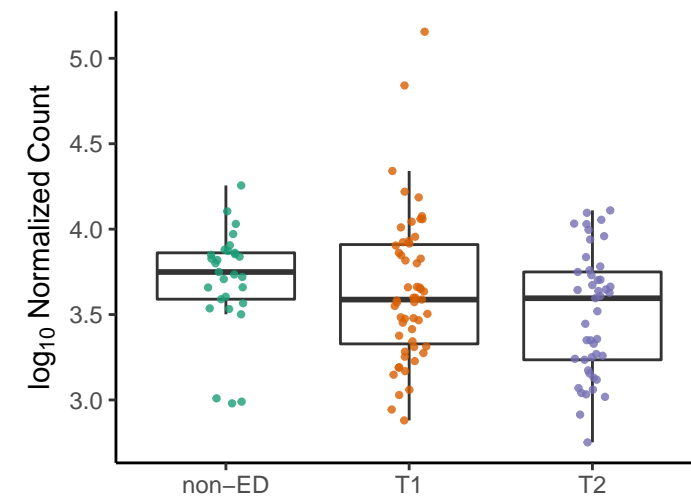
### Unclassified Balneolaeota Phylum

non-ED vs. T1 adjusted  $p = 0.022$   
non-ED vs. T2 adjusted  $p = 0.029$   
T1 vs. T2 adjusted  $p = 0.82$



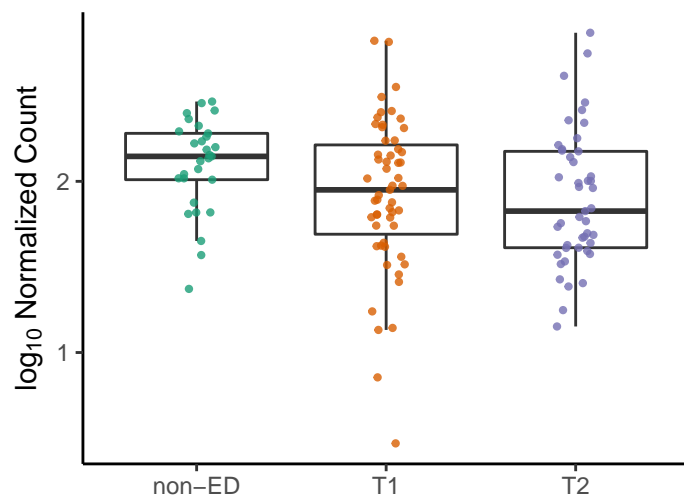
### Fusobacteriia

non-ED vs. T1 adjusted  $p = 0.47$   
non-ED vs. T2 adjusted  $p = 0.029$   
T1 vs. T2 adjusted  $p = 0.76$



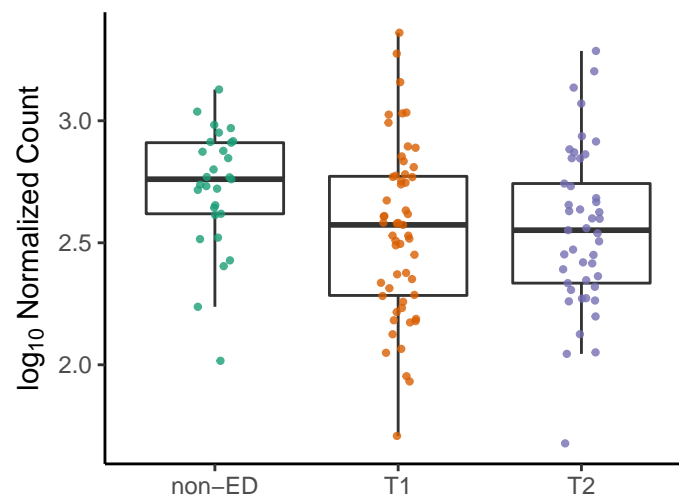
### Calditrichae

non-ED vs. T1 adjusted  $p = 0.046$   
non-ED vs. T2 adjusted  $p = 0.03$   
T1 vs. T2 adjusted  $p = 0.92$



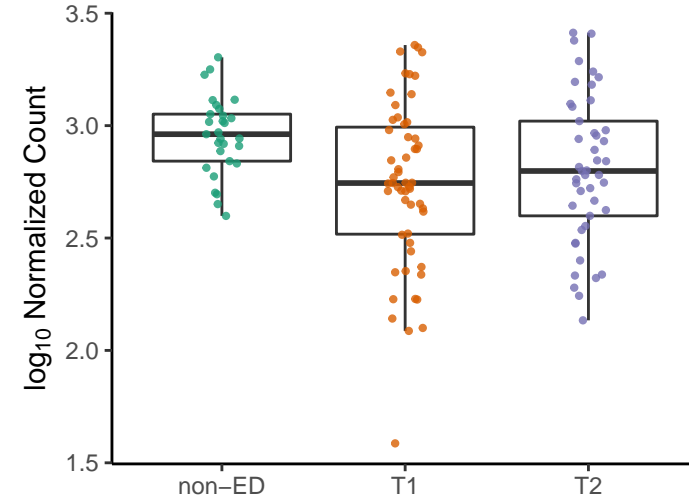
### Deferribacteres

non-ED vs. T1 adjusted  $p = 0.017$   
non-ED vs. T2 adjusted  $p = 0.03$   
T1 vs. T2 adjusted  $p = 0.93$



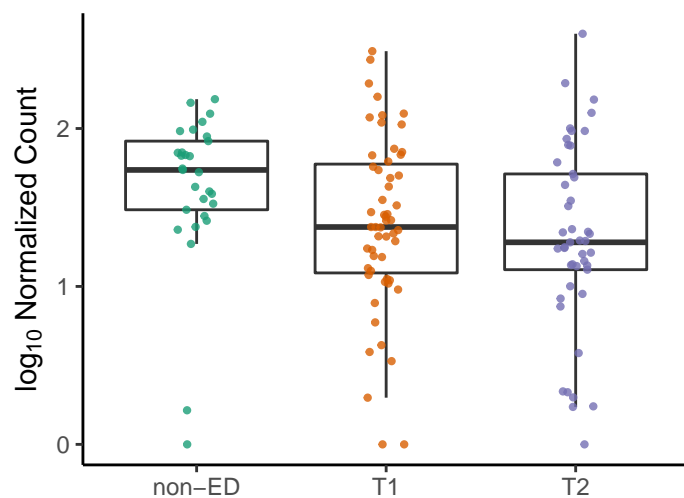
### Phycisphaerae

non-ED vs. T1 adjusted  $p = 0.0037$   
non-ED vs. T2 adjusted  $p = 0.03$   
T1 vs. T2 adjusted  $p = 0.76$



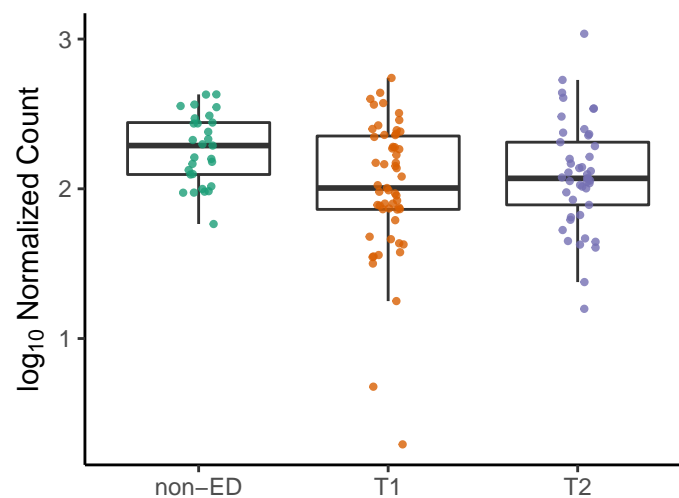
### Unclassified Candidatus Gracilibacteria I

non-ED vs. T1 adjusted  $p = 0.069$   
non-ED vs. T2 adjusted  $p = 0.03$   
T1 vs. T2 adjusted  $p = 0.91$



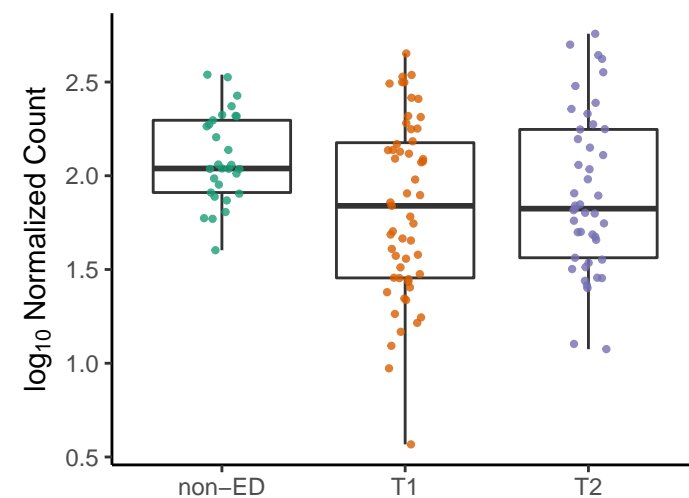
### Unclassified Armatimonadetes Phylum

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.033$   
T1 vs. T2 adjusted  $p = 0.76$



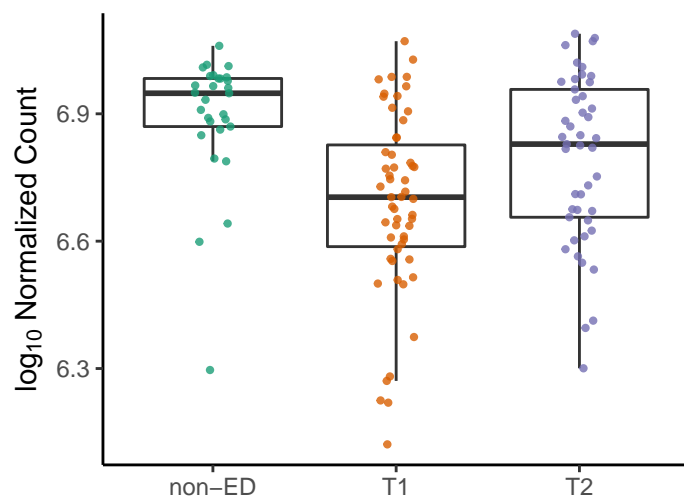
### Methylacidiphilae

non-ED vs. T1 adjusted  $p = 0.0049$   
non-ED vs. T2 adjusted  $p = 0.038$   
T1 vs. T2 adjusted  $p = 0.76$



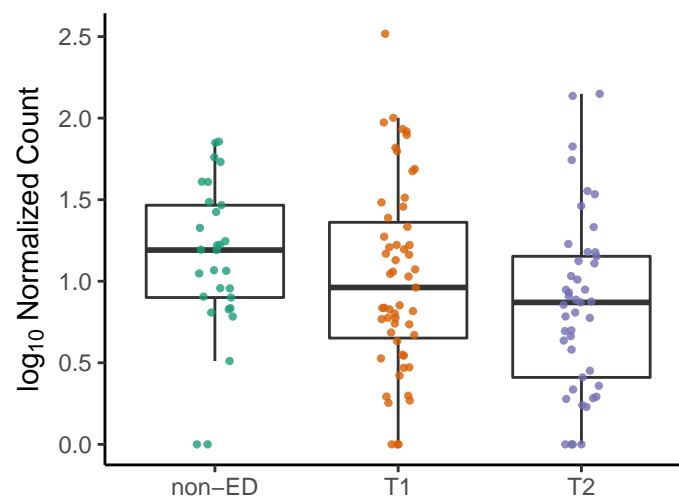
### Clostridia

non-ED vs. T1 adjusted  $p = 0.00048$   
non-ED vs. T2 adjusted  $p = 0.042$   
T1 vs. T2 adjusted  $p = 0.15$



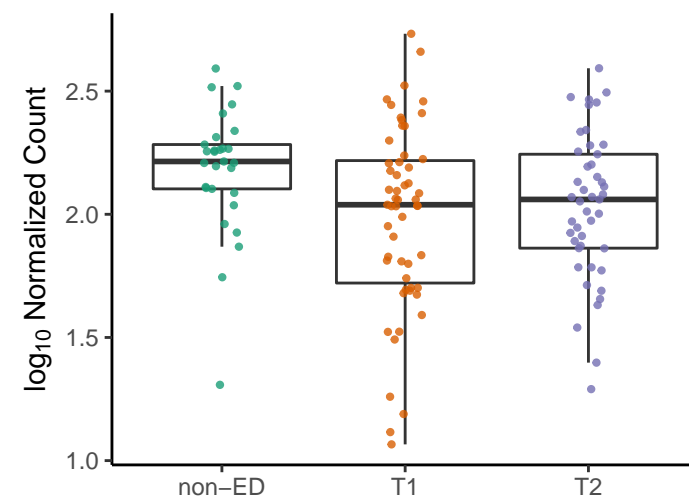
### Ellioviricetes

non-ED vs. T1 adjusted  $p = 0.34$   
non-ED vs. T2 adjusted  $p = 0.048$   
T1 vs. T2 adjusted  $p = 0.76$



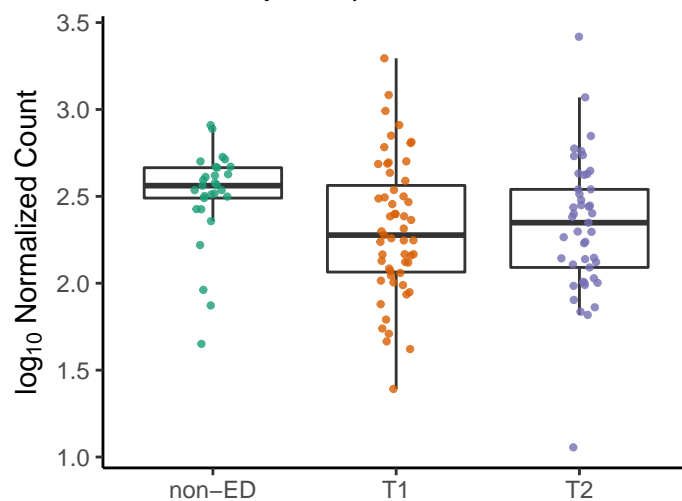
### Archaeoglobi

non-ED vs. T1 adjusted  $p = 0.017$   
non-ED vs. T2 adjusted  $p = 0.053$   
T1 vs. T2 adjusted  $p = 0.76$



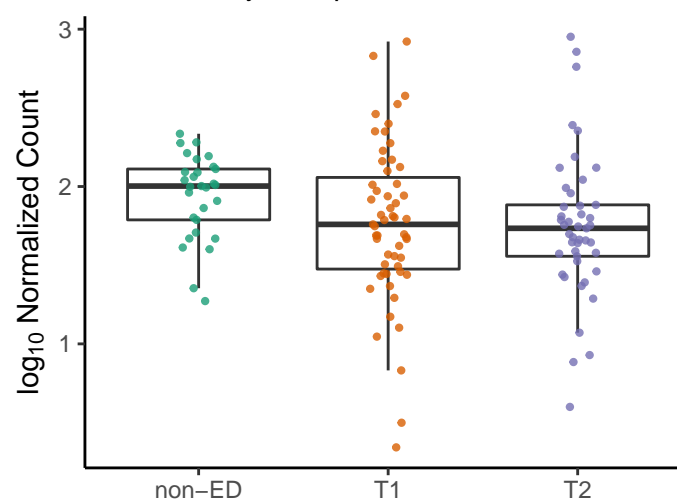
### **Ignavibacteria**

non-ED vs. T1 adjusted  $p = 0.022$   
non-ED vs. T2 adjusted  $p = 0.055$   
T1 vs. T2 adjusted  $p = 0.96$



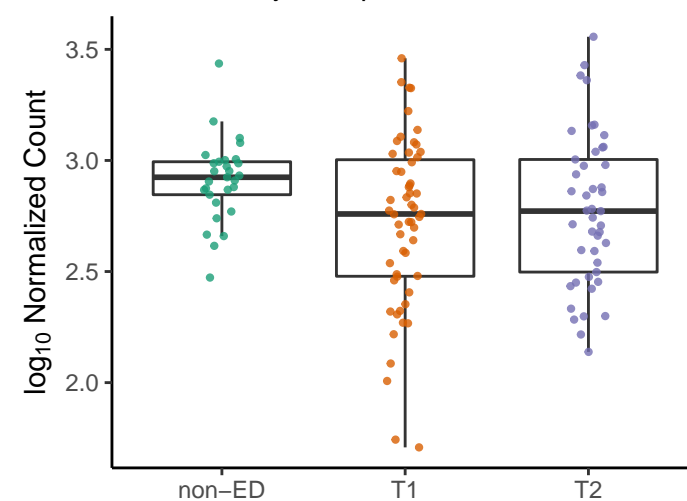
### **Unclassified candidate division Zixibacte**

non-ED vs. T1 adjusted  $p = 0.062$   
non-ED vs. T2 adjusted  $p = 0.055$   
T1 vs. T2 adjusted  $p = 0.92$



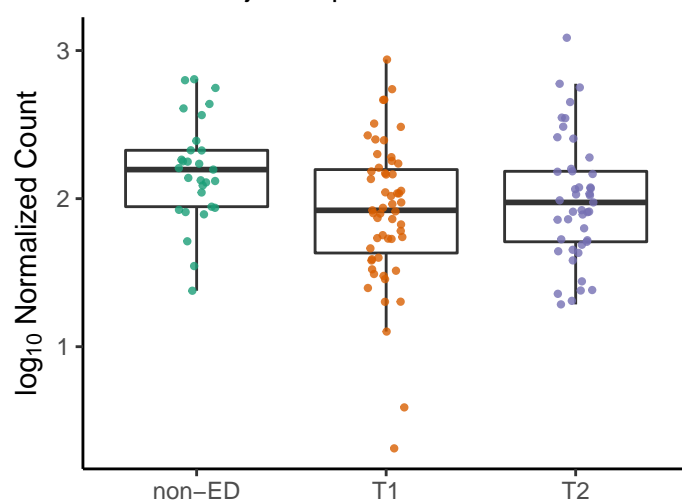
### **Anaerolineae**

non-ED vs. T1 adjusted  $p = 0.0097$   
non-ED vs. T2 adjusted  $p = 0.057$   
T1 vs. T2 adjusted  $p = 0.76$



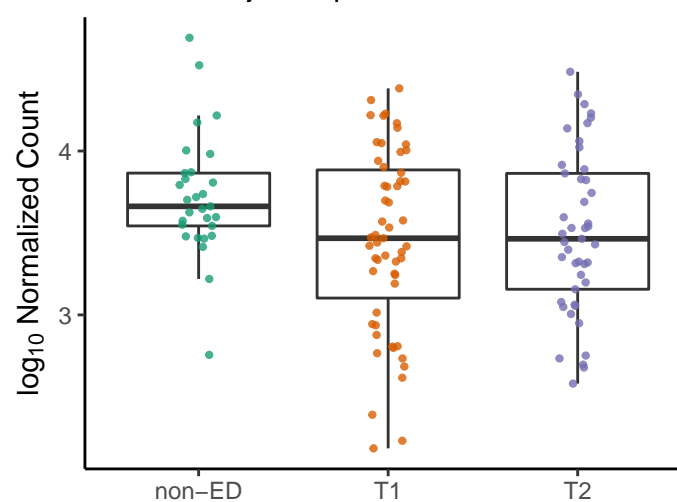
### **Kiritimatiellae**

non-ED vs. T1 adjusted  $p = 0.01$   
non-ED vs. T2 adjusted  $p = 0.058$   
T1 vs. T2 adjusted  $p = 0.76$



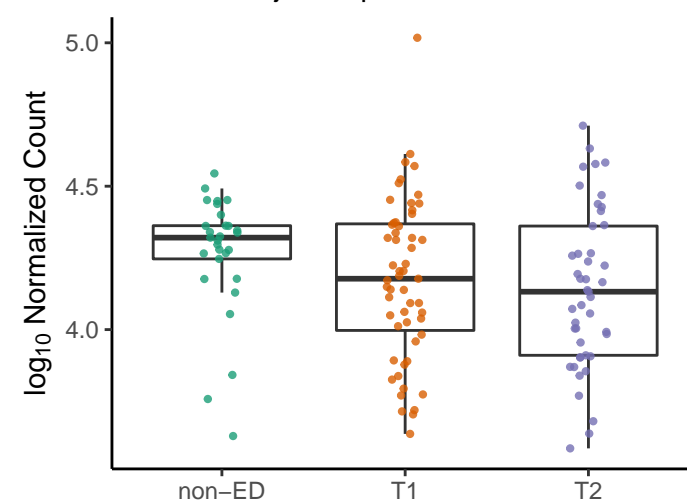
### **Unclassified Actinobacteria Phylum**

non-ED vs. T1 adjusted  $p = 0.021$   
non-ED vs. T2 adjusted  $p = 0.058$   
T1 vs. T2 adjusted  $p = 0.76$



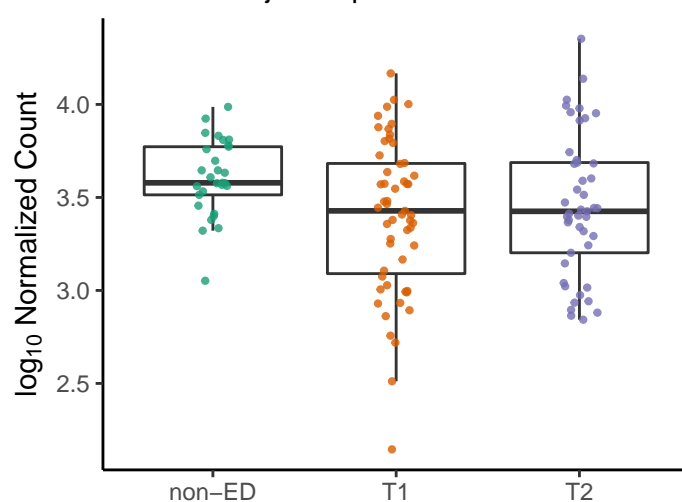
### **Flavobacteriia**

non-ED vs. T1 adjusted  $p = 0.12$   
non-ED vs. T2 adjusted  $p = 0.058$   
T1 vs. T2 adjusted  $p = 0.76$



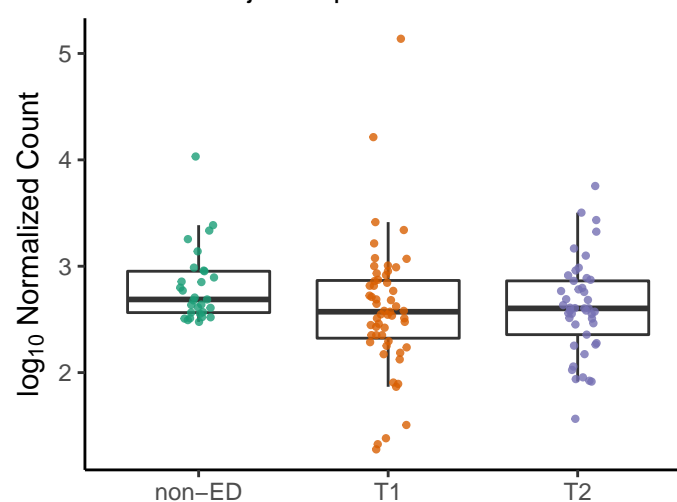
### **Halobacteria**

non-ED vs. T1 adjusted  $p = 0.0097$   
non-ED vs. T2 adjusted  $p = 0.058$   
T1 vs. T2 adjusted  $p = 0.76$



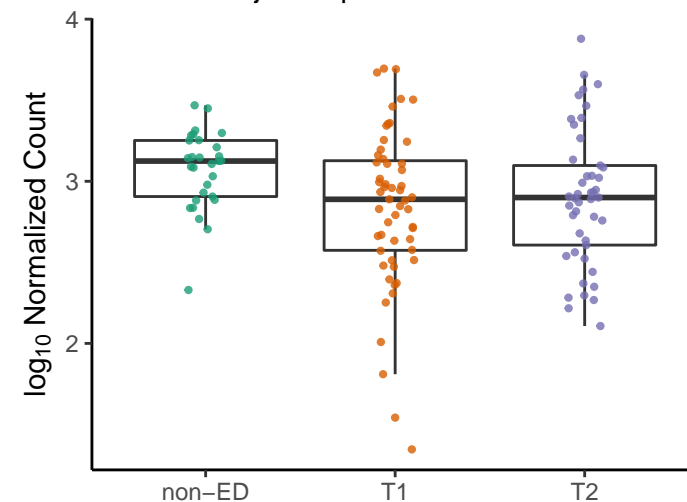
### **Lentisphaeria**

non-ED vs. T1 adjusted  $p = 0.063$   
non-ED vs. T2 adjusted  $p = 0.058$   
T1 vs. T2 adjusted  $p = 0.85$



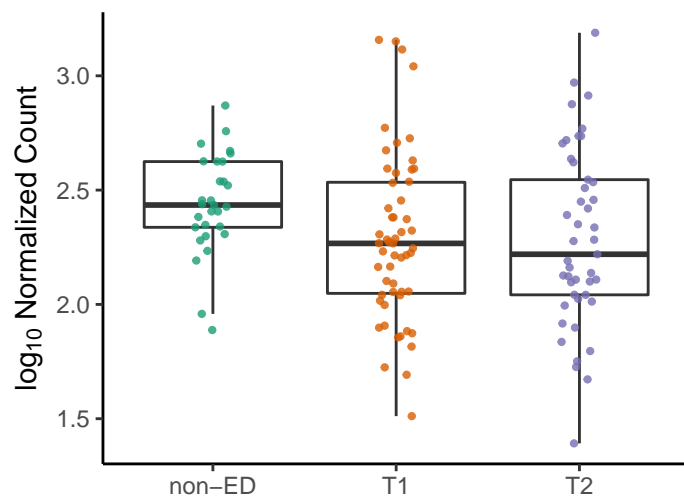
### **Rubrobacteria**

non-ED vs. T1 adjusted  $p = 0.013$   
non-ED vs. T2 adjusted  $p = 0.058$   
T1 vs. T2 adjusted  $p = 0.76$



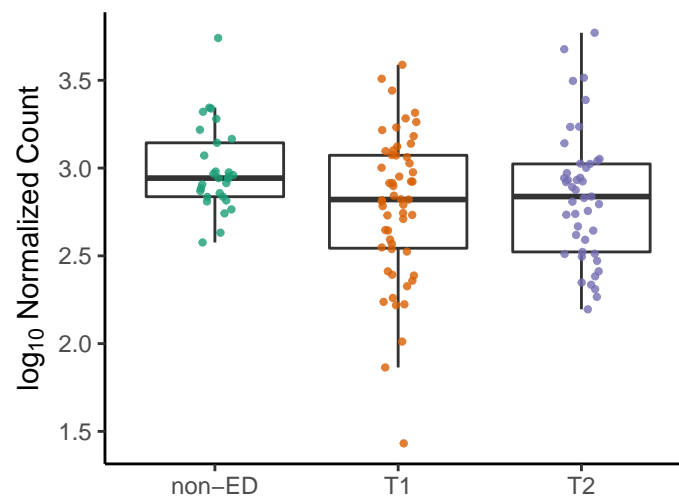
### Tremellomycetes

non-ED vs. T1 adjusted  $p = 0.032$   
non-ED vs. T2 adjusted  $p = 0.06$   
T1 vs. T2 adjusted  $p = 0.93$



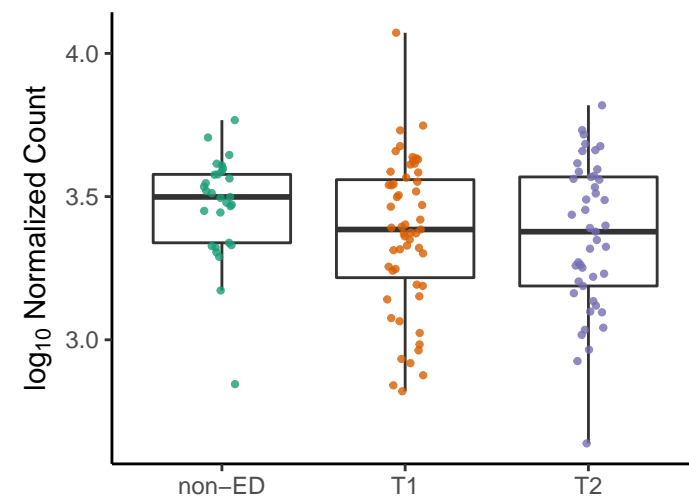
### Dehalococcoidia

non-ED vs. T1 adjusted  $p = 0.013$   
non-ED vs. T2 adjusted  $p = 0.061$   
T1 vs. T2 adjusted  $p = 0.76$



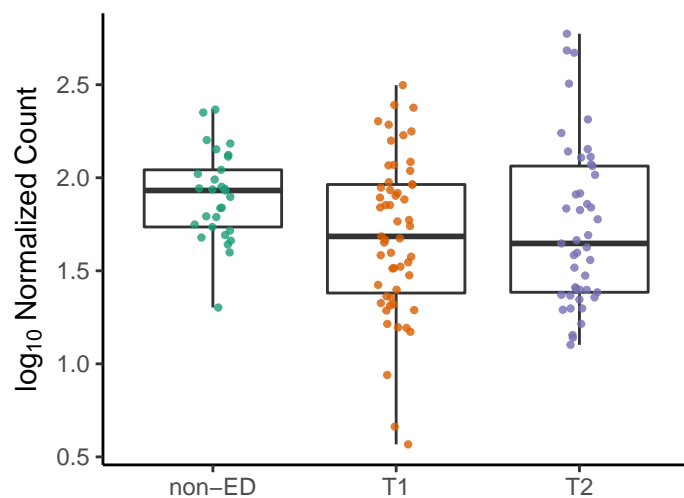
### Chitinophagia

non-ED vs. T1 adjusted  $p = 0.063$   
non-ED vs. T2 adjusted  $p = 0.061$   
T1 vs. T2 adjusted  $p = 0.93$



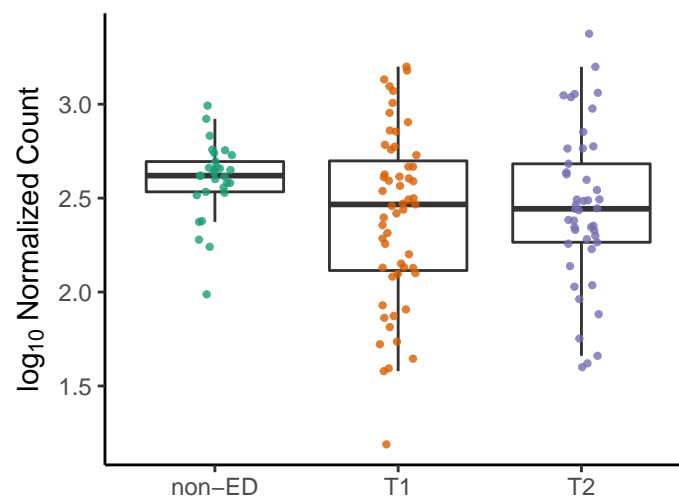
### Chthonomonadetes

non-ED vs. T1 adjusted  $p = 0.013$   
non-ED vs. T2 adjusted  $p = 0.062$   
T1 vs. T2 adjusted  $p = 0.82$



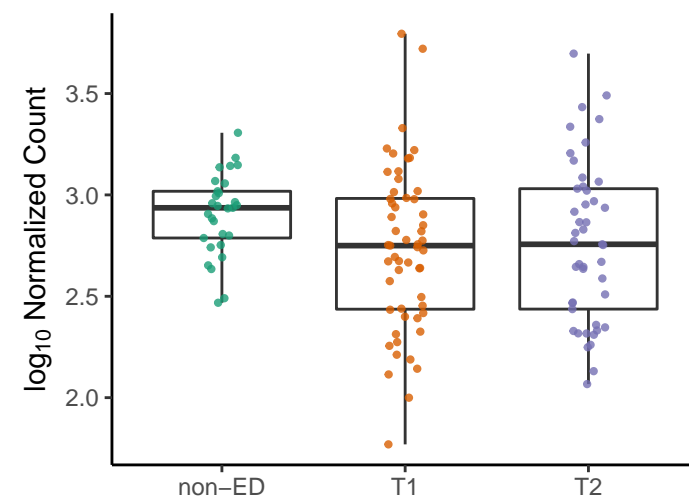
### Limnochordia

non-ED vs. T1 adjusted  $p = 0.018$   
non-ED vs. T2 adjusted  $p = 0.071$   
T1 vs. T2 adjusted  $p = 0.76$



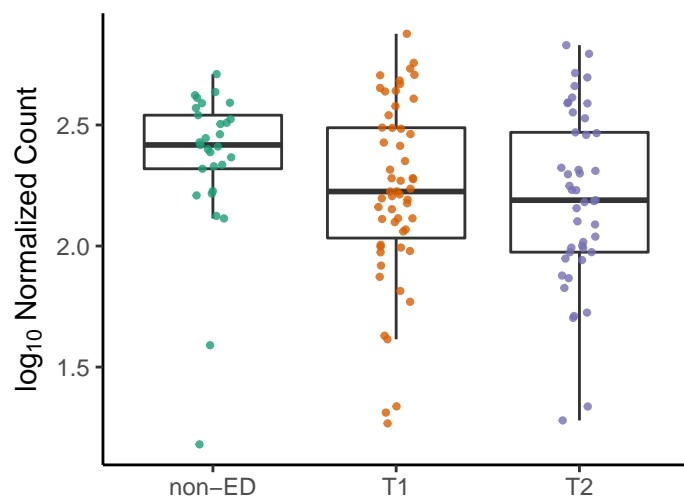
### Thermoplasmata

non-ED vs. T1 adjusted  $p = 0.022$   
non-ED vs. T2 adjusted  $p = 0.077$   
T1 vs. T2 adjusted  $p = 0.76$



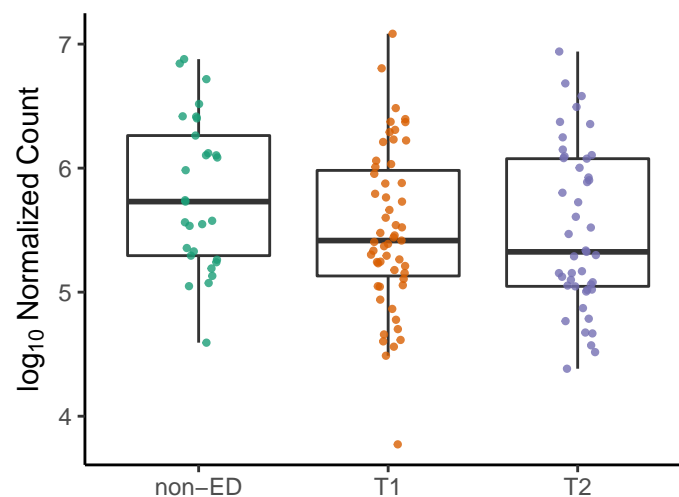
### Unclassified Thaumarchaeota Phylum

non-ED vs. T1 adjusted  $p = 0.11$   
non-ED vs. T2 adjusted  $p = 0.078$   
T1 vs. T2 adjusted  $p = 0.91$



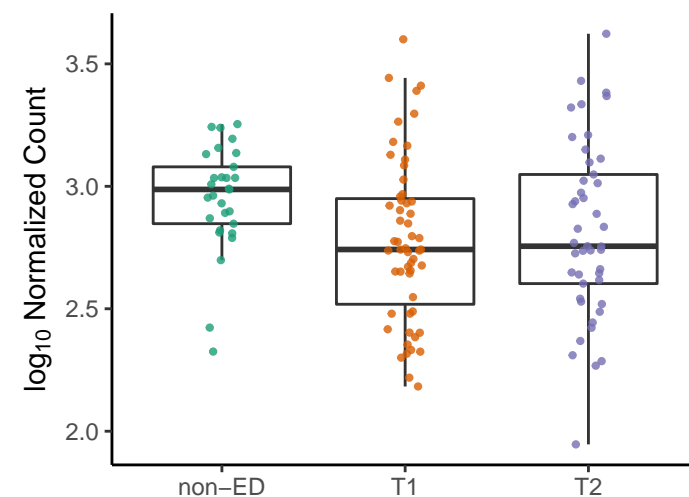
### Actinobacteria

non-ED vs. T1 adjusted  $p = 0.063$   
non-ED vs. T2 adjusted  $p = 0.078$   
T1 vs. T2 adjusted  $p = 0.85$



### Thermococci

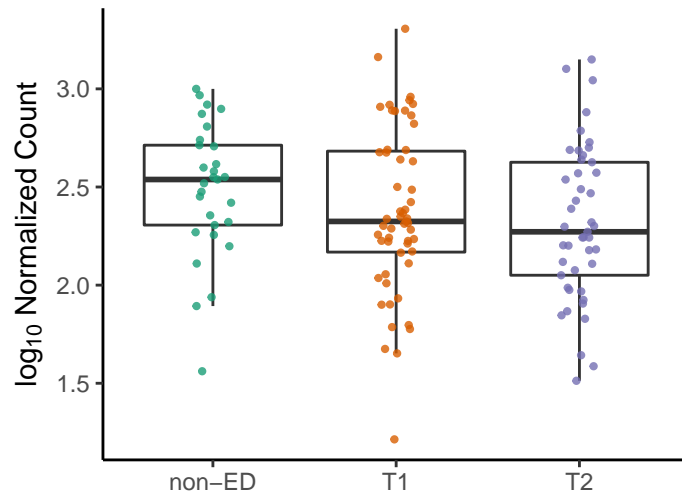
non-ED vs. T1 adjusted  $p = 0.014$   
non-ED vs. T2 adjusted  $p = 0.078$   
T1 vs. T2 adjusted  $p = 0.76$





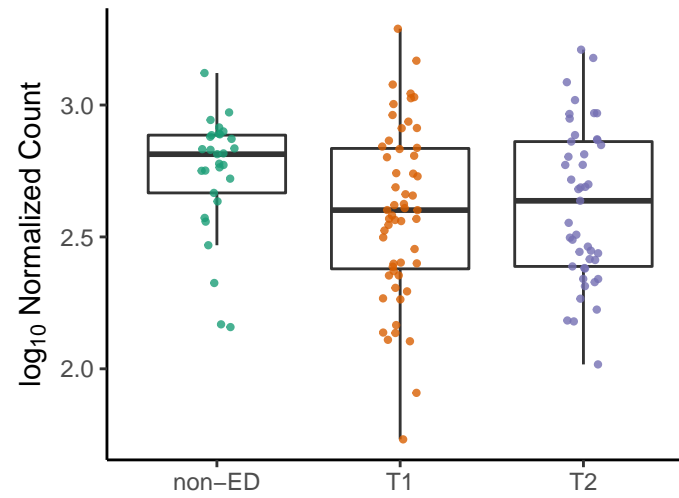
### Unclassified Tenericutes Phylum

non-ED vs. T1 adjusted  $p = 0.22$   
non-ED vs. T2 adjusted  $p = 0.078$   
T1 vs. T2 adjusted  $p = 0.76$



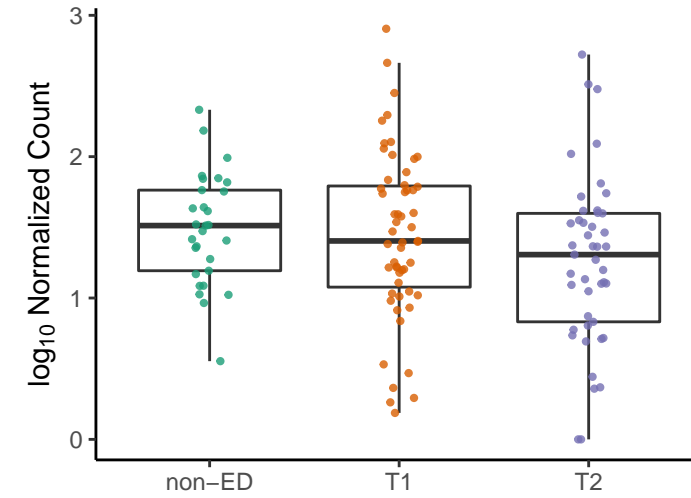
### Chlamydiia

non-ED vs. T1 adjusted  $p = 0.027$   
non-ED vs. T2 adjusted  $p = 0.078$   
T1 vs. T2 adjusted  $p = 0.85$



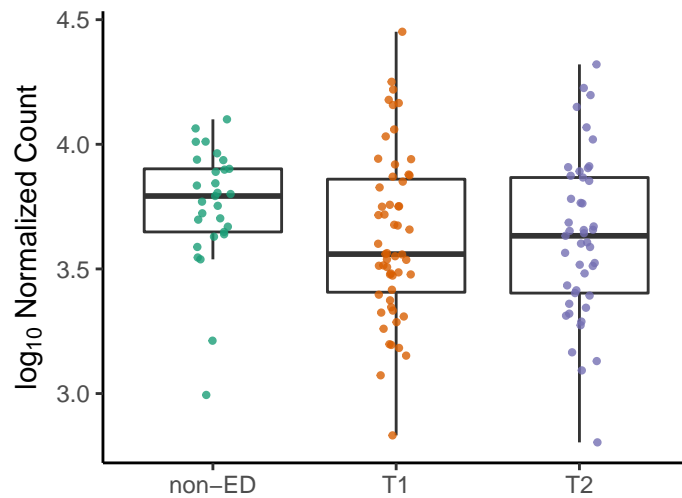
### Methanopyri

non-ED vs. T1 adjusted  $p = 0.68$   
non-ED vs. T2 adjusted  $p = 0.078$   
T1 vs. T2 adjusted  $p = 0.76$



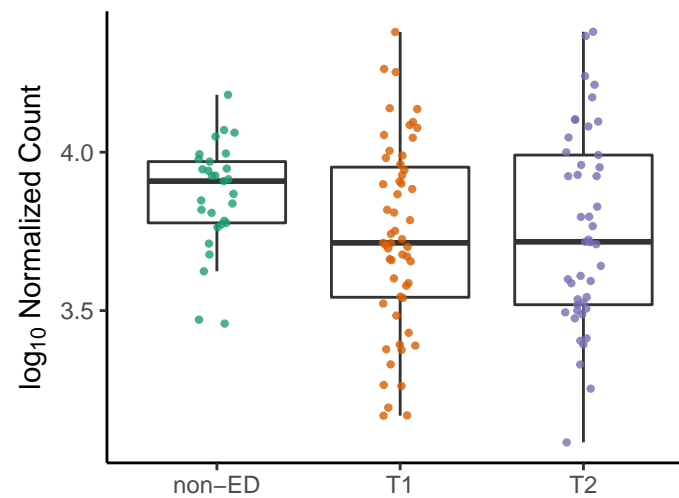
### Tissierellia

non-ED vs. T1 adjusted  $p = 0.064$   
non-ED vs. T2 adjusted  $p = 0.08$   
T1 vs. T2 adjusted  $p = 0.99$



### Spirochaetia

non-ED vs. T1 adjusted  $p = 0.025$   
non-ED vs. T2 adjusted  $p = 0.083$   
T1 vs. T2 adjusted  $p = 0.86$



### Thermomicrobia

non-ED vs. T1 adjusted  $p = 0.027$   
non-ED vs. T2 adjusted  $p = 0.099$   
T1 vs. T2 adjusted  $p = 0.82$

