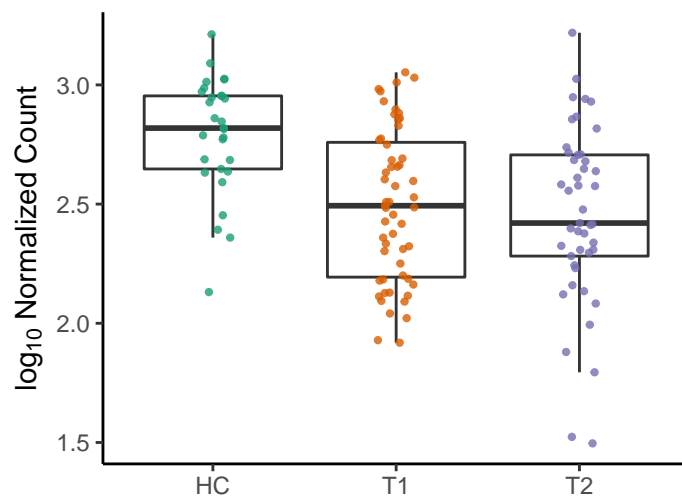


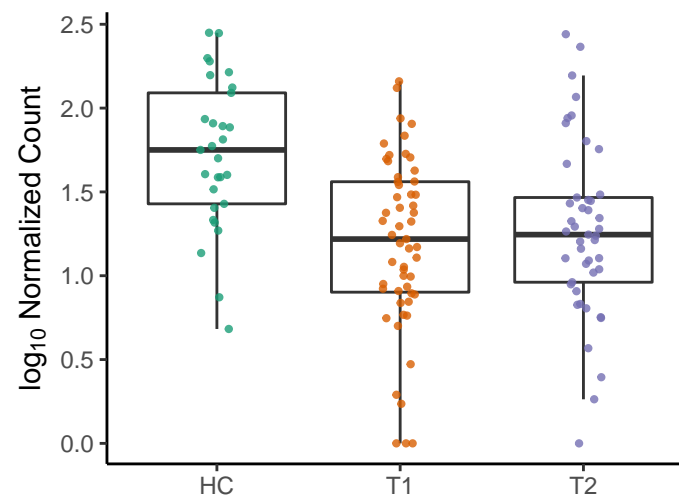
### Anaplasmataceae

non-ED vs. T1 adjusted  $p = 0.0027$   
non-ED vs. T2 adjusted  $p = 0.0036$   
T1 vs. T2 adjusted  $p = 0.84$



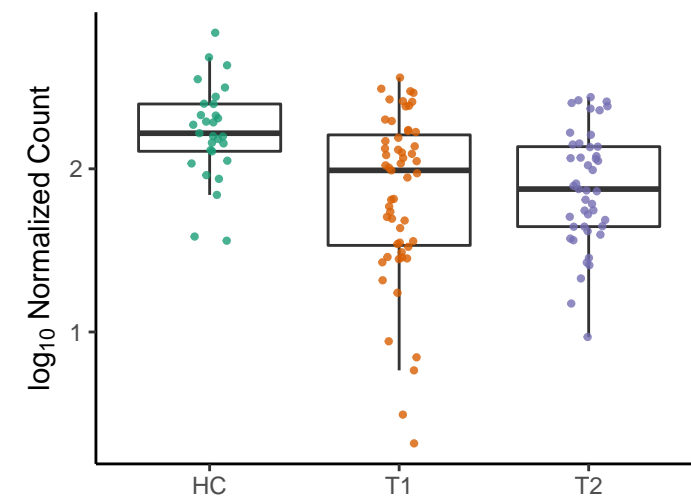
### Unclassified Saccharomycetales Order

non-ED vs. T1 adjusted  $p = 0.0027$   
non-ED vs. T2 adjusted  $p = 0.0047$   
T1 vs. T2 adjusted  $p = 0.73$



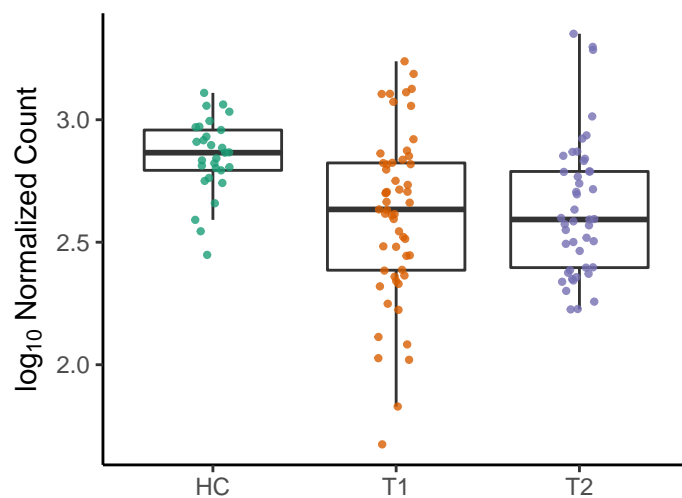
### Methanotrichaceae

non-ED vs. T1 adjusted  $p = 0.0035$   
non-ED vs. T2 adjusted  $p = 0.0039$   
T1 vs. T2 adjusted  $p = 0.73$



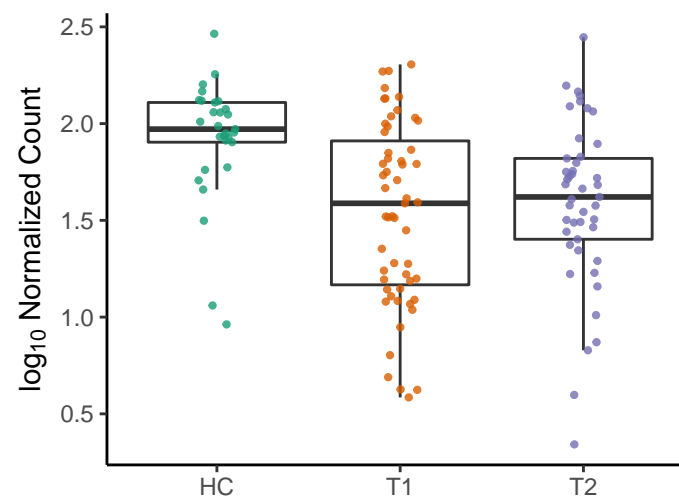
### Piscirickettsiaceae

non-ED vs. T1 adjusted  $p = 0.0035$   
non-ED vs. T2 adjusted  $p = 0.0041$   
T1 vs. T2 adjusted  $p = 0.82$



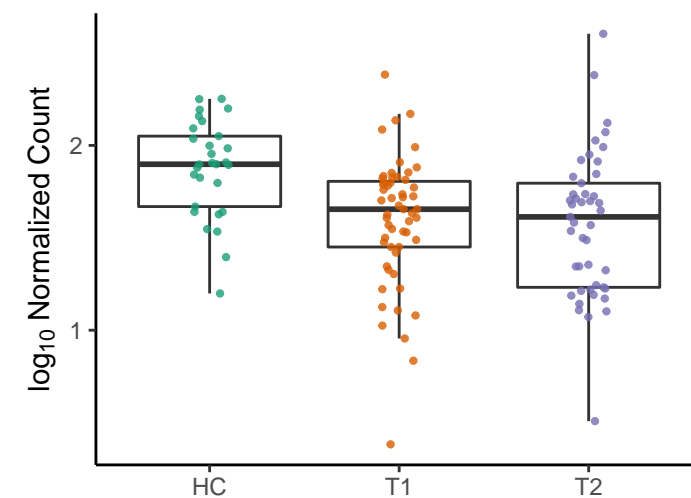
### Puniceicoccaceae

non-ED vs. T1 adjusted  $p = 0.0035$   
non-ED vs. T2 adjusted  $p = 0.0064$   
T1 vs. T2 adjusted  $p = 0.82$



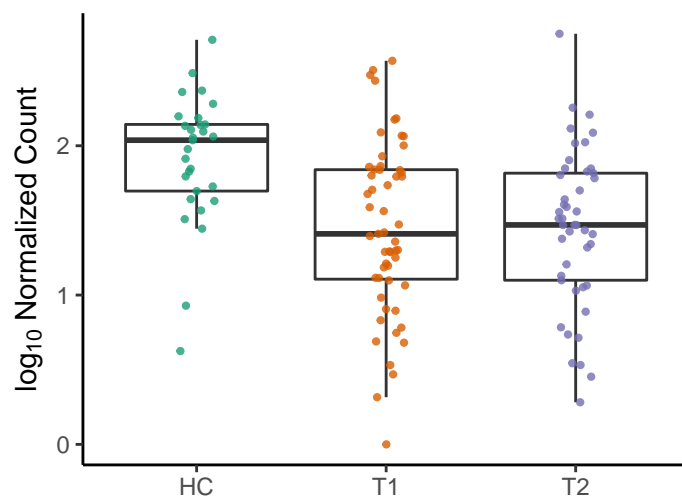
### Chamaesiphonaceae

non-ED vs. T1 adjusted  $p = 0.0044$   
non-ED vs. T2 adjusted  $p = 0.0047$   
T1 vs. T2 adjusted  $p = 0.8$



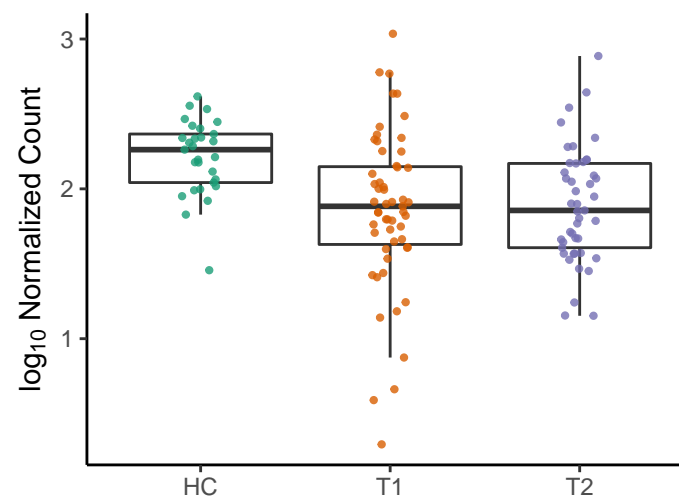
### Coprothermobacteraceae

non-ED vs. T1 adjusted  $p = 0.0044$   
non-ED vs. T2 adjusted  $p = 0.0046$   
T1 vs. T2 adjusted  $p = 0.89$



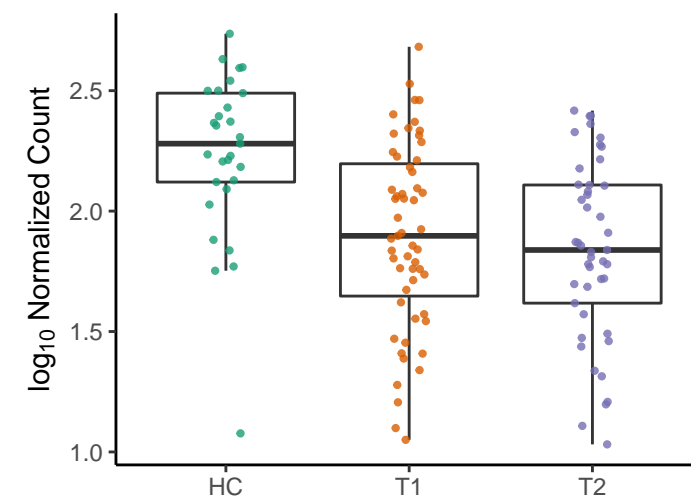
### Egibacteraceae

non-ED vs. T1 adjusted  $p = 0.0044$   
non-ED vs. T2 adjusted  $p = 0.0041$   
T1 vs. T2 adjusted  $p = 0.79$



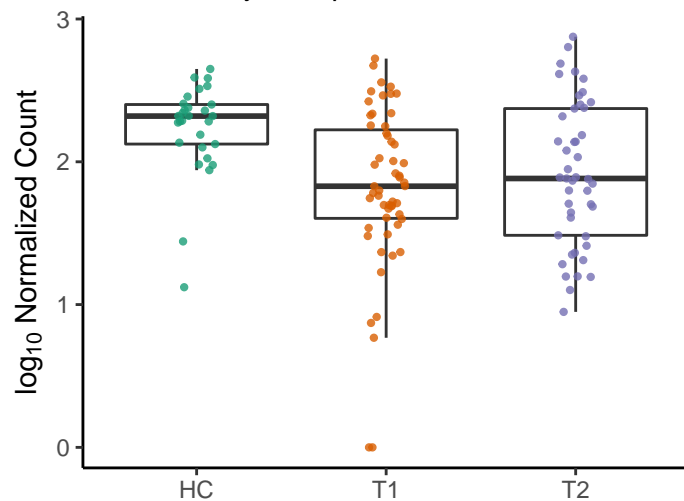
### Holosporaceae

non-ED vs. T1 adjusted  $p = 0.0044$   
non-ED vs. T2 adjusted  $p = 0.0036$   
T1 vs. T2 adjusted  $p = 0.84$



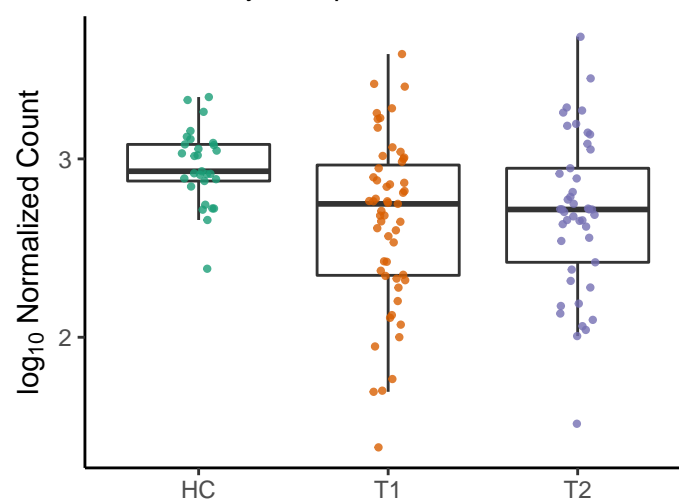
### Ilumatobacteraceae

non-ED vs. T1 adjusted  $p = 0.0044$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.73$



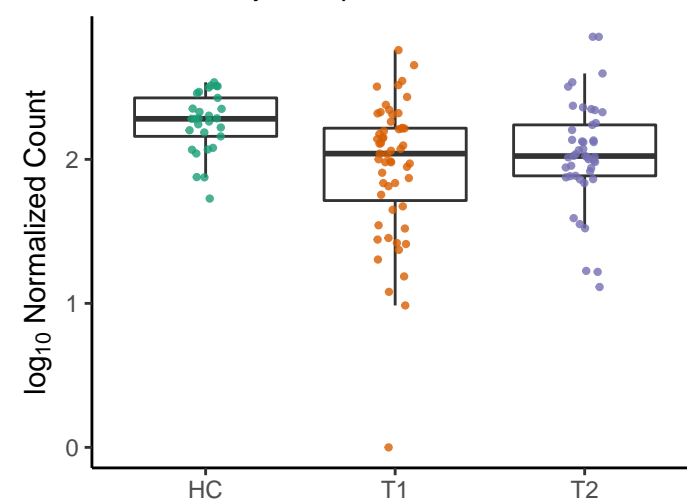
### Isosphaeraceae

non-ED vs. T1 adjusted  $p = 0.0044$   
non-ED vs. T2 adjusted  $p = 0.011$   
T1 vs. T2 adjusted  $p = 0.73$



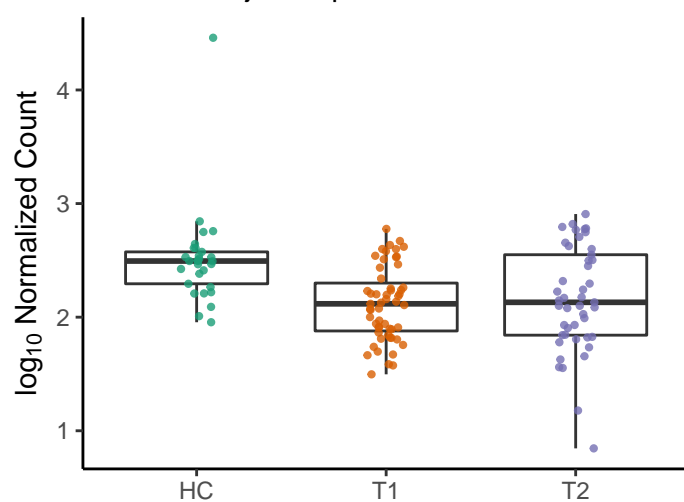
### Mariprofundaceae

non-ED vs. T1 adjusted  $p = 0.0044$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.73$



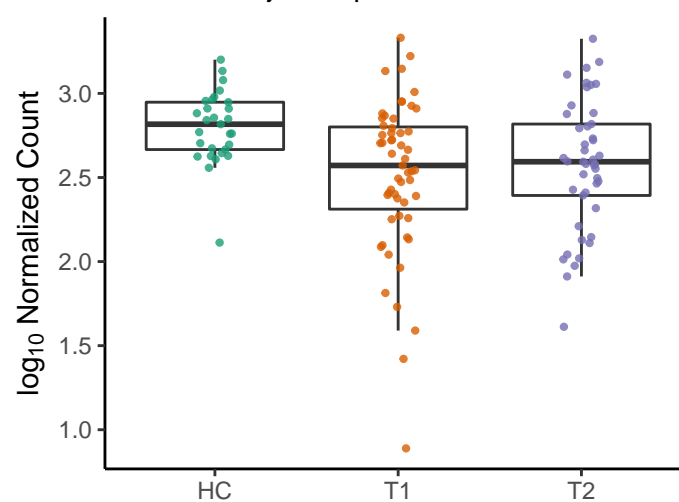
### Succinivibrionaceae

non-ED vs. T1 adjusted  $p = 0.0044$   
non-ED vs. T2 adjusted  $p = 0.014$   
T1 vs. T2 adjusted  $p = 0.87$



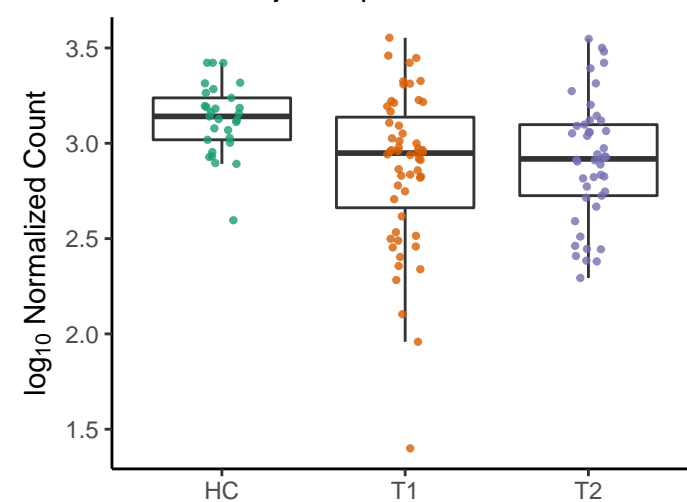
### Aurantimonadaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.73$



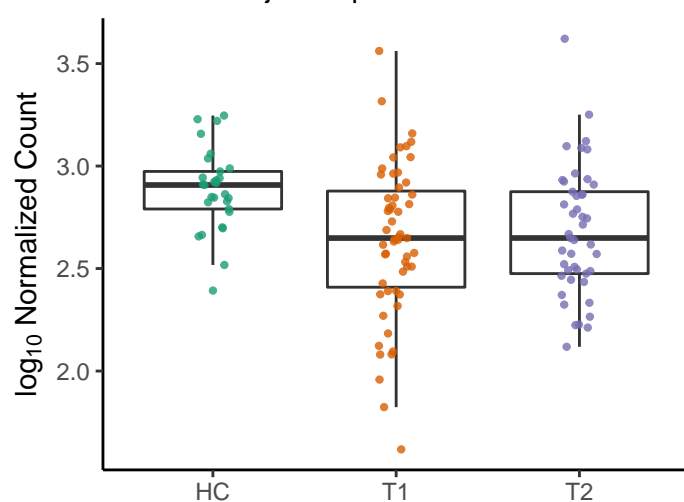
### Brevibacteriaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.0096$   
T1 vs. T2 adjusted  $p = 0.73$



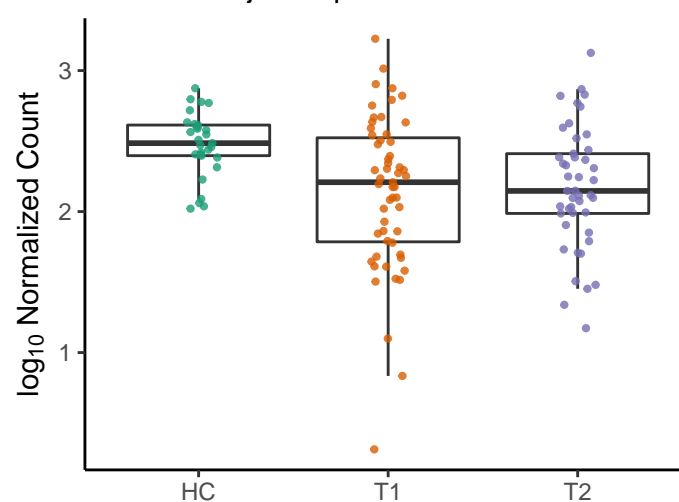
### Brucellaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.012$   
T1 vs. T2 adjusted  $p = 0.73$



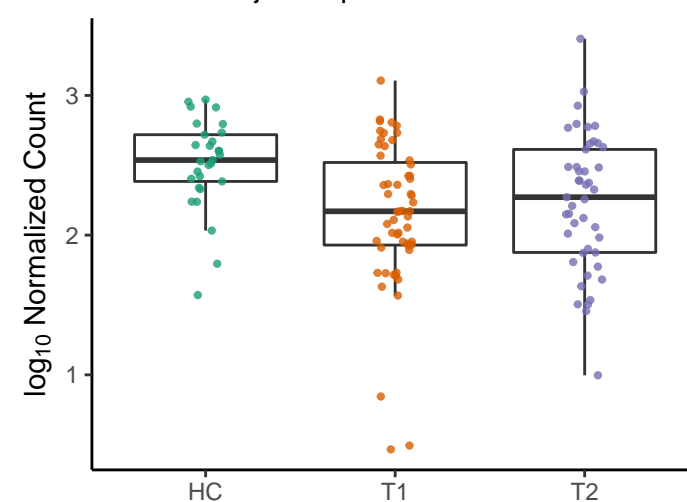
### Chelatococcaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.0047$   
T1 vs. T2 adjusted  $p = 0.73$



### Conexibacteraceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.73$

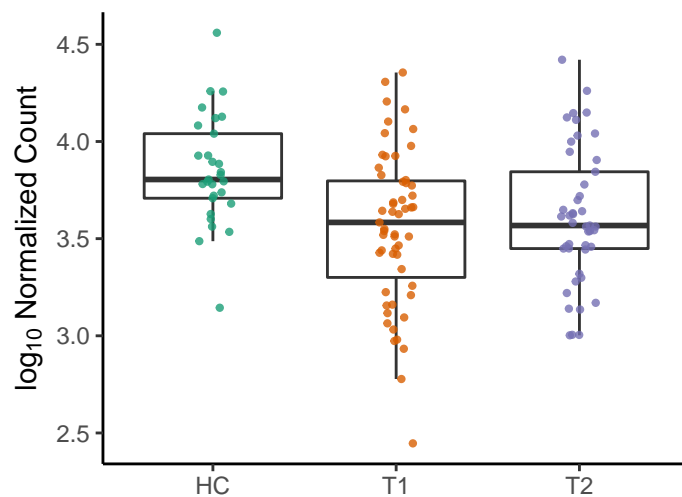


### Oxalobacteraceae

non-ED vs. T1 adjusted  $p = 0.0045$

non-ED vs. T2 adjusted  $p = 0.015$

T1 vs. T2 adjusted  $p = 0.73$

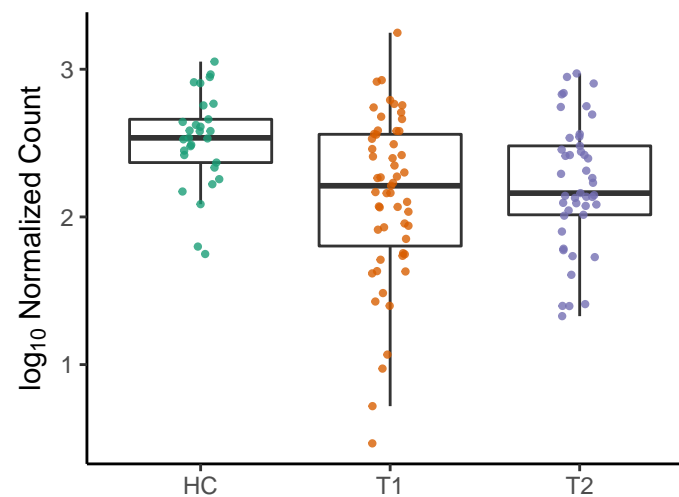


### Sanguibacteraceae

non-ED vs. T1 adjusted  $p = 0.0045$

non-ED vs. T2 adjusted  $p = 0.012$

T1 vs. T2 adjusted  $p = 0.73$

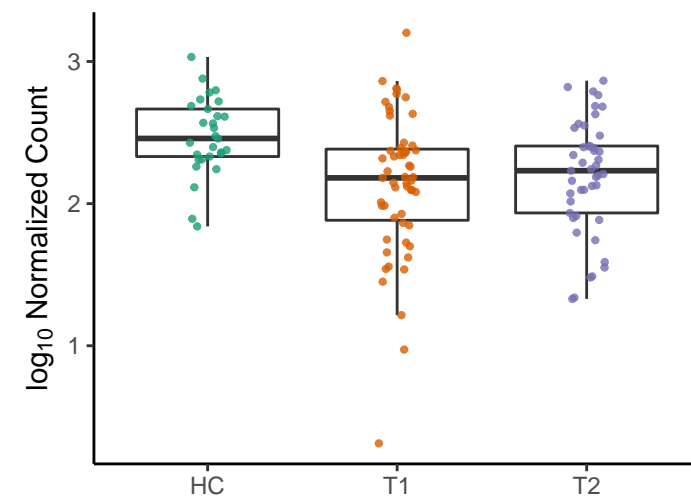


### Tepidiformaceae

non-ED vs. T1 adjusted  $p = 0.0045$

non-ED vs. T2 adjusted  $p = 0.0094$

T1 vs. T2 adjusted  $p = 0.73$

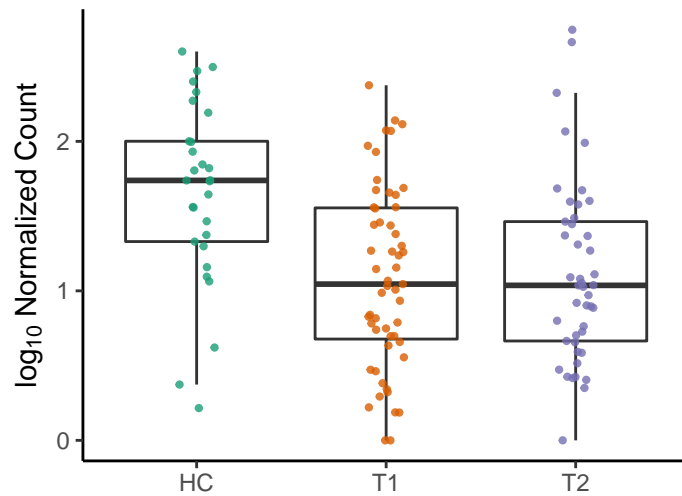


### Unclassified Synechococcales Order

non-ED vs. T1 adjusted  $p = 0.0045$

non-ED vs. T2 adjusted  $p = 0.0079$

T1 vs. T2 adjusted  $p = 0.92$

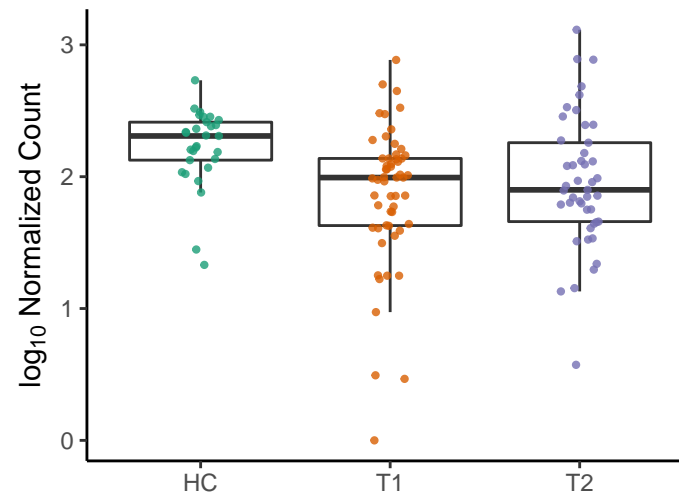


### Unclassified Thermoplasmatales Order

non-ED vs. T1 adjusted  $p = 0.0045$

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

T1 vs. T2 adjusted  $p = 0.73$

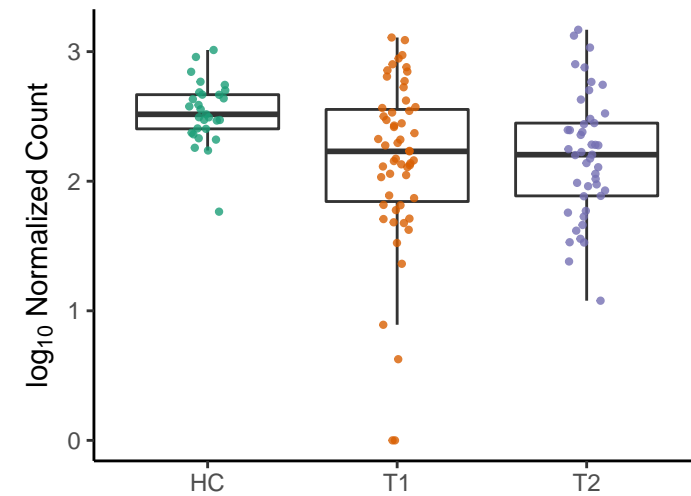


### Ardenticatenaceae

non-ED vs. T1 adjusted  $p = 0.0045$

non-ED vs. T2 adjusted  $p = 0.0047$

T1 vs. T2 adjusted  $p = 0.73$

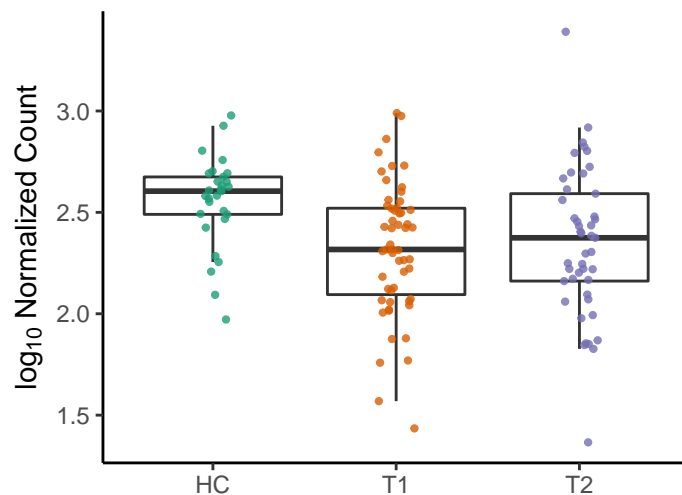


### Aspergillaceae

non-ED vs. T1 adjusted  $p = 0.0045$

non-ED vs. T2 adjusted  $p = 0.017$

T1 vs. T2 adjusted  $p = 0.86$

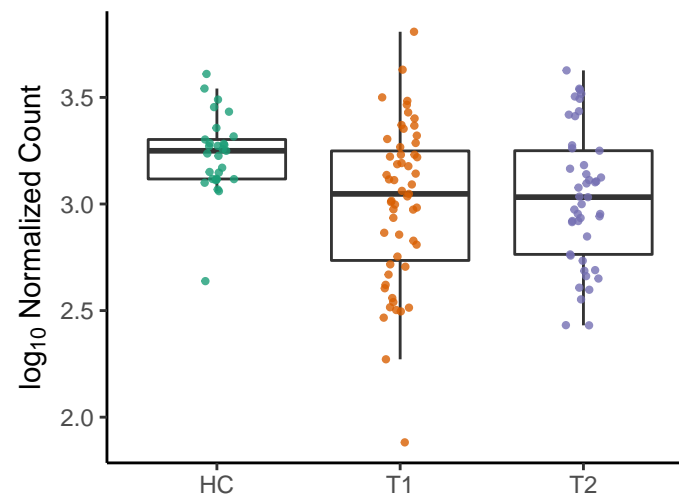


### Chromatiaceae

non-ED vs. T1 adjusted  $p = 0.0045$

non-ED vs. T2 adjusted  $p = 0.011$

T1 vs. T2 adjusted  $p = 0.8$

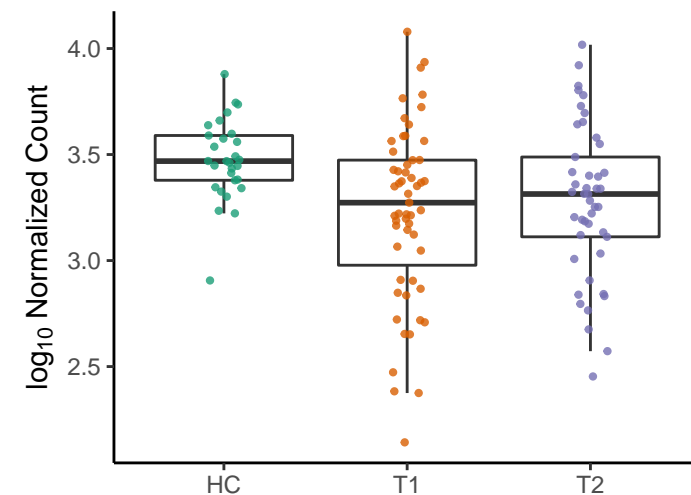


### Chromobacteriaceae

non-ED vs. T1 adjusted  $p = 0.0045$

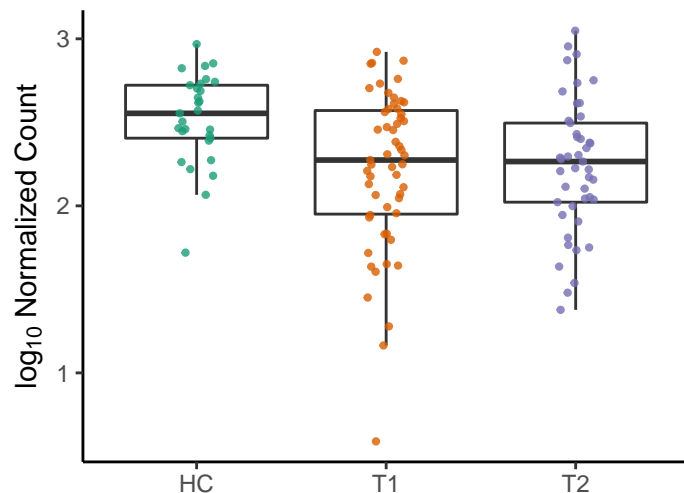
non-ED vs. T2 adjusted  $p = 0.017$

T1 vs. T2 adjusted  $p = 0.73$



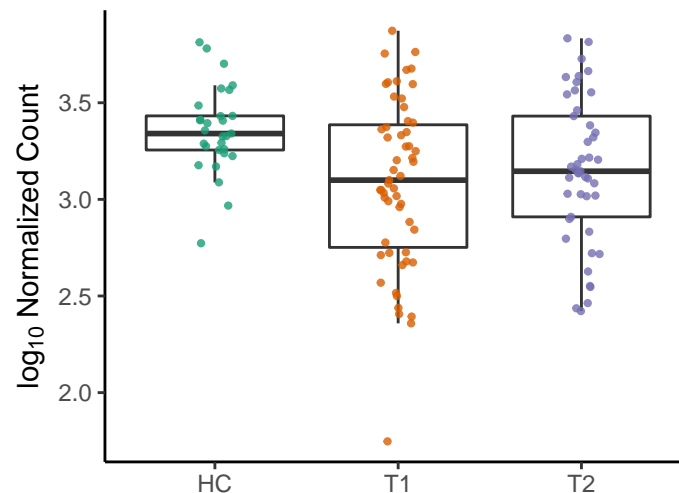
### Cohaesibacteraceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.009$   
T1 vs. T2 adjusted  $p = 0.83$



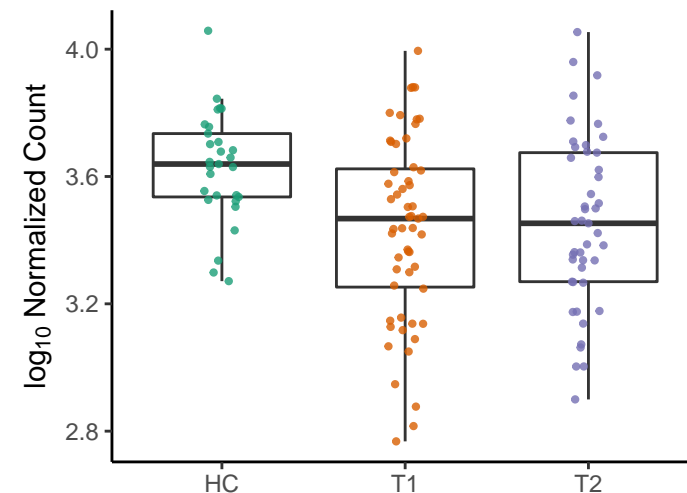
### Ectothiorhodospiraceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.73$



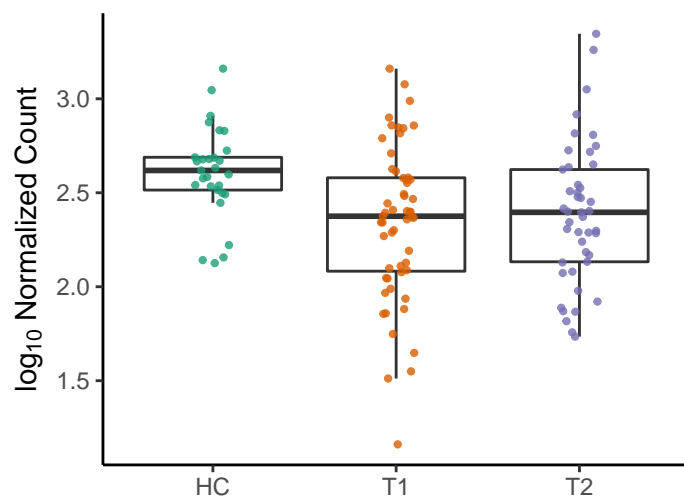
### Erwiniaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.012$   
T1 vs. T2 adjusted  $p = 0.75$



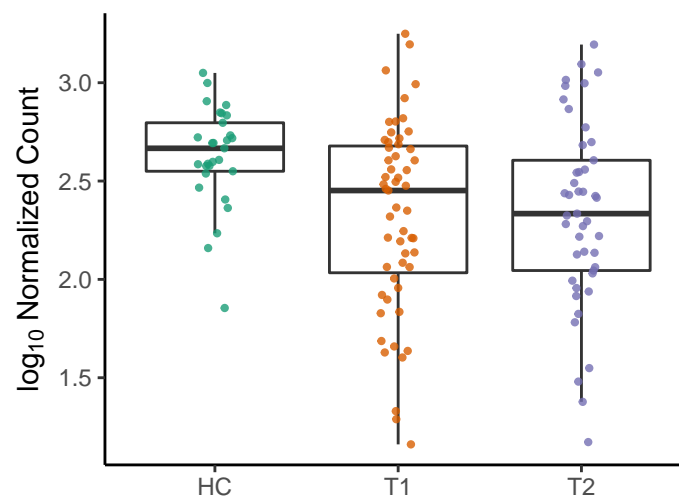
### Fibrobacteraceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.016$   
T1 vs. T2 adjusted  $p = 0.73$



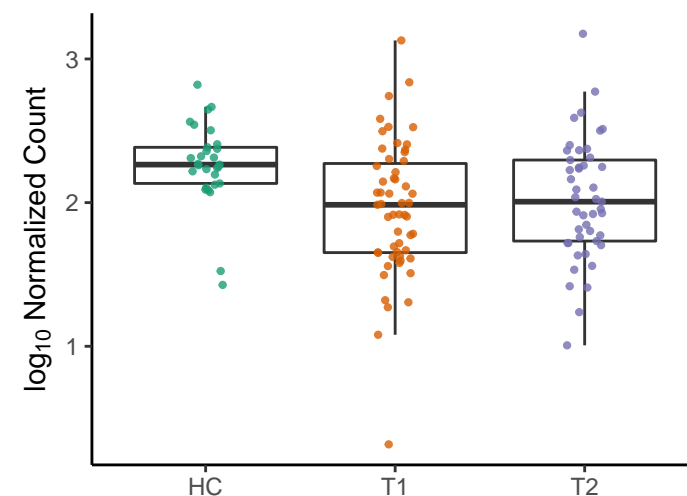
### Kofleriaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.012$   
T1 vs. T2 adjusted  $p = 0.79$



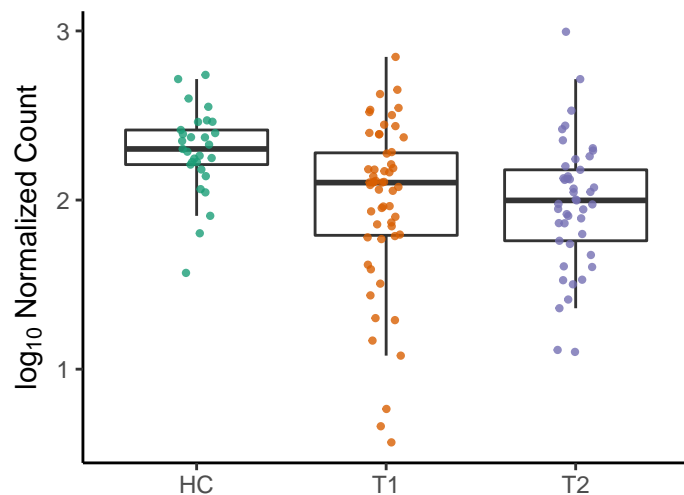
### Ktedonosporobacteraceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.018$   
T1 vs. T2 adjusted  $p = 0.73$



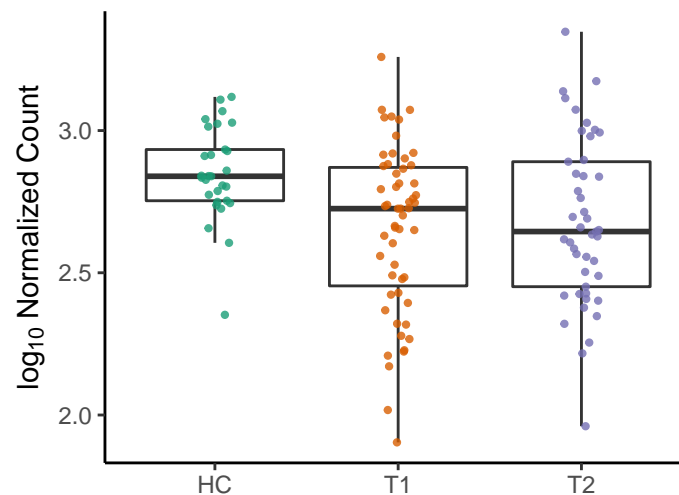
### Lacipirellulaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.0041$   
T1 vs. T2 adjusted  $p = 0.95$



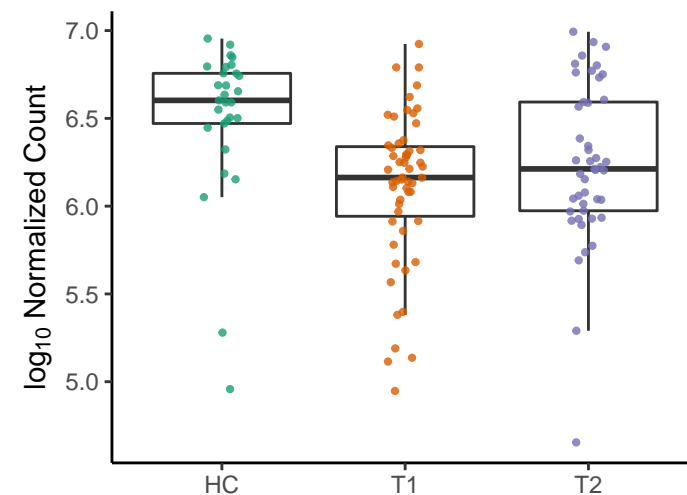
### Oceanospirillaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.83$



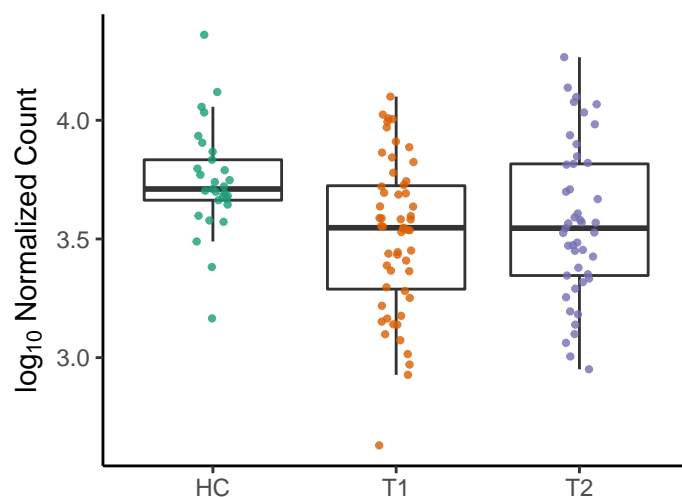
### Ruminococcaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.036$   
T1 vs. T2 adjusted  $p = 0.73$



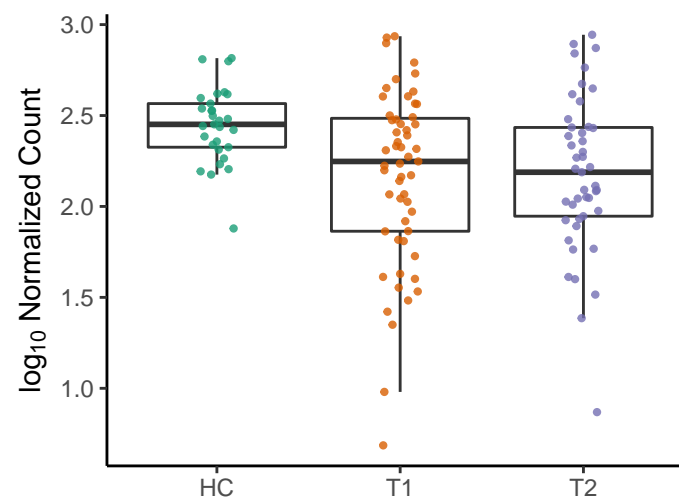
### Selenomonadaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.024$   
T1 vs. T2 adjusted  $p = 0.73$



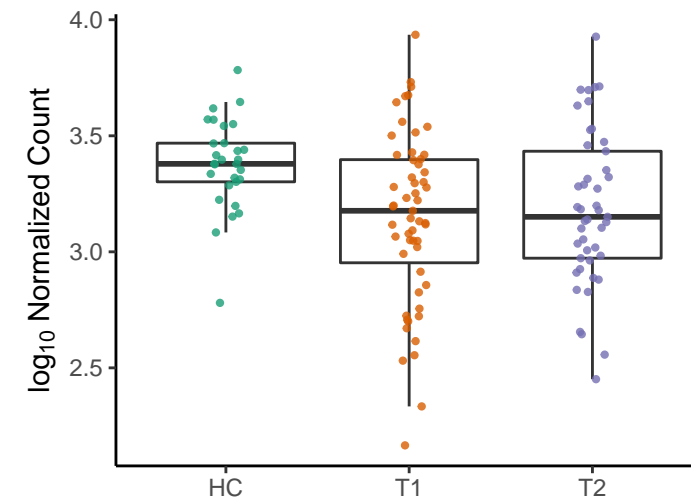
### Thiobacillaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.01$   
T1 vs. T2 adjusted  $p = 0.9$



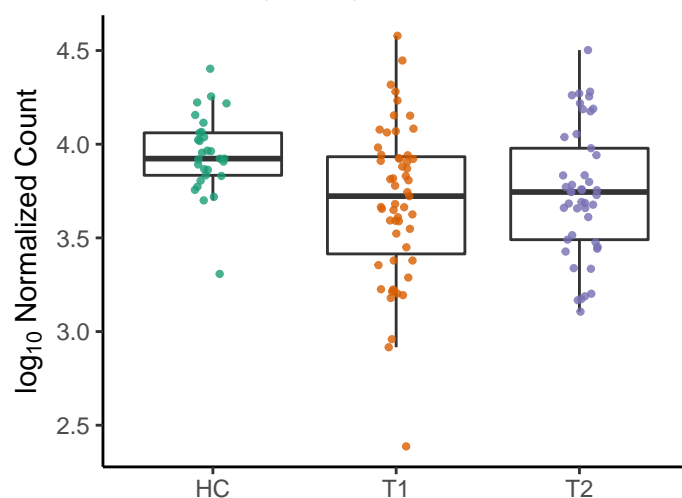
### Unclassified Betaproteobacteria Class

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.016$   
T1 vs. T2 adjusted  $p = 0.73$



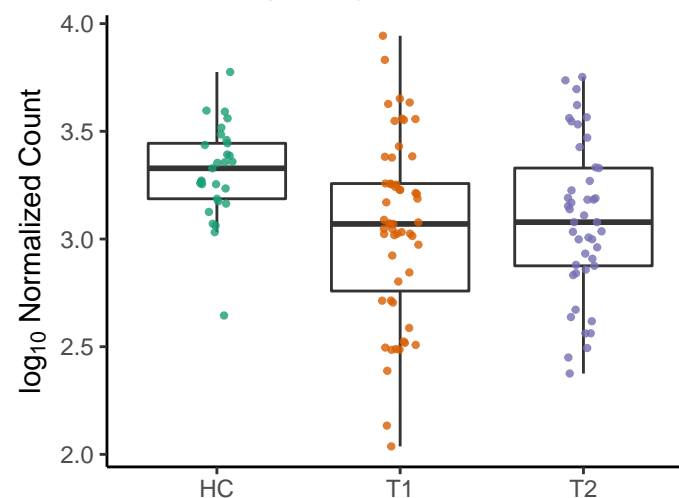
### Xanthomonadaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.73$



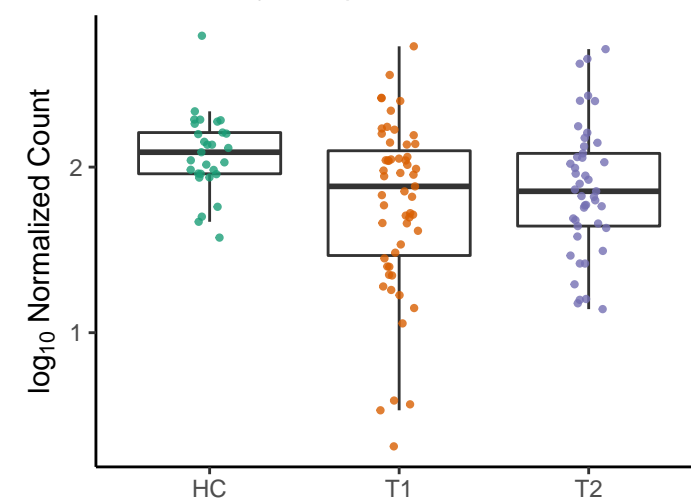
### Zoogloeaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.014$   
T1 vs. T2 adjusted  $p = 0.73$



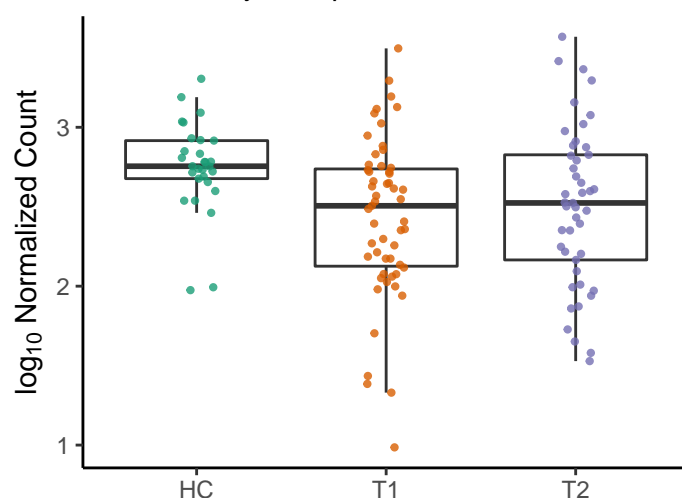
### Desulfohalobiaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.02$   
T1 vs. T2 adjusted  $p = 0.73$



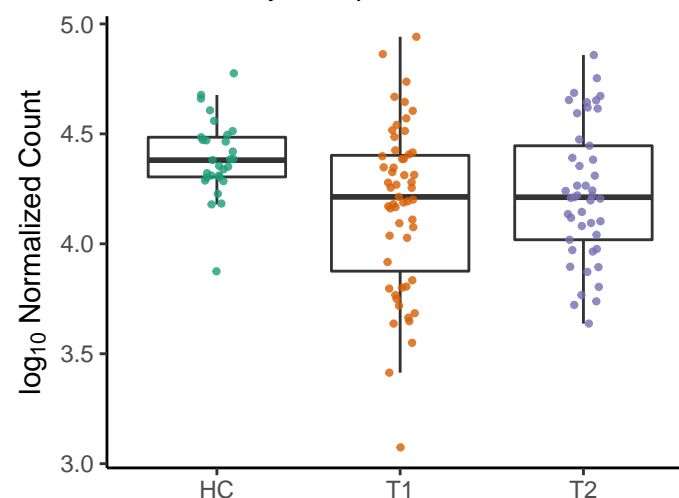
### Jiangellaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.024$   
T1 vs. T2 adjusted  $p = 0.73$



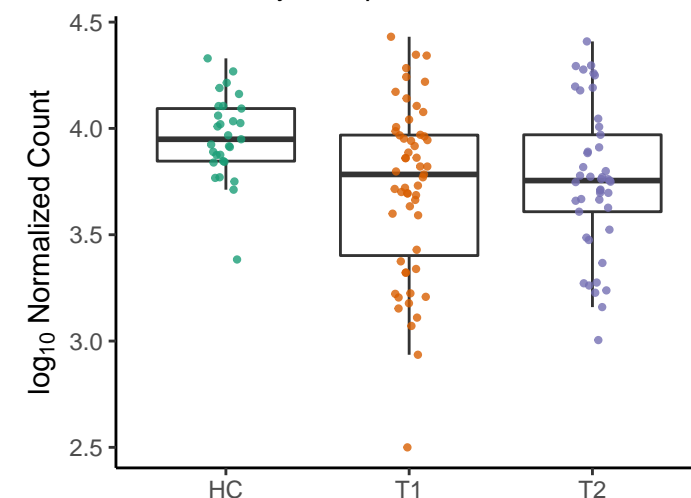
### Pseudomonadaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.02$   
T1 vs. T2 adjusted  $p = 0.73$



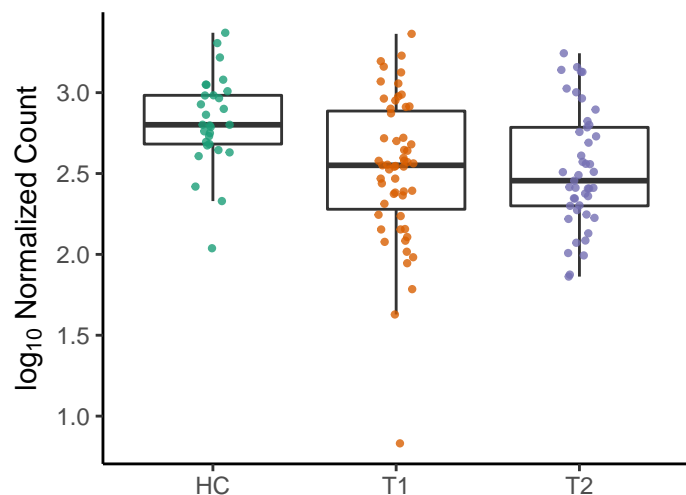
### Sphingomonadaceae

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.73$



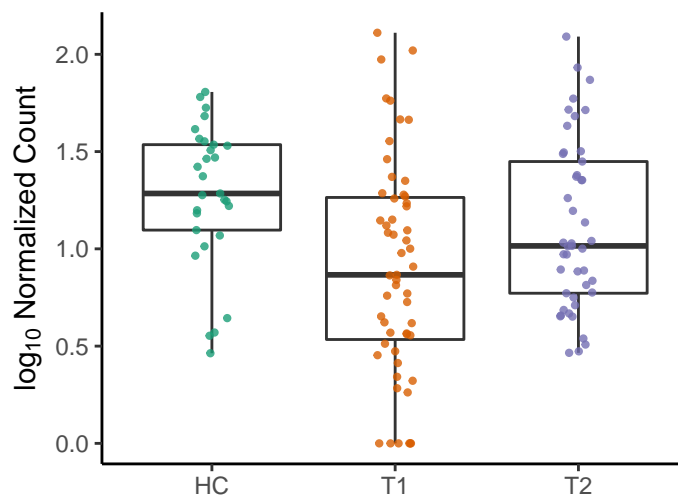
### Unclassified Candidatus Saccharibacte

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.0047$   
T1 vs. T2 adjusted  $p = 0.91$



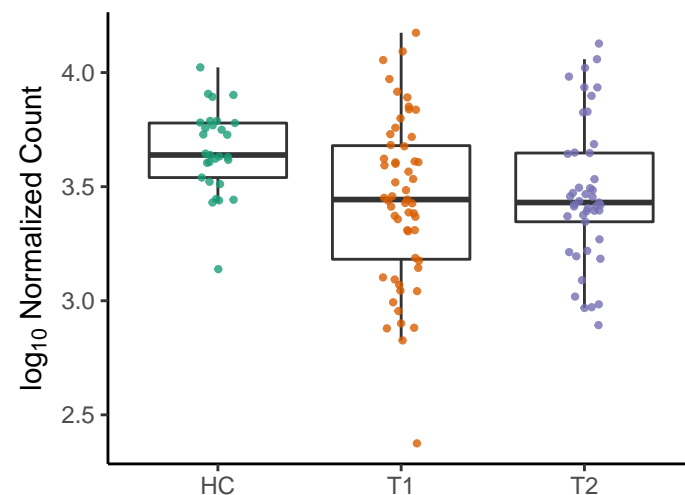
### Unclassified Methanococcales Order

non-ED vs. T1 adjusted  $p = 0.0045$   
non-ED vs. T2 adjusted  $p = 0.11$   
T1 vs. T2 adjusted  $p = 0.73$



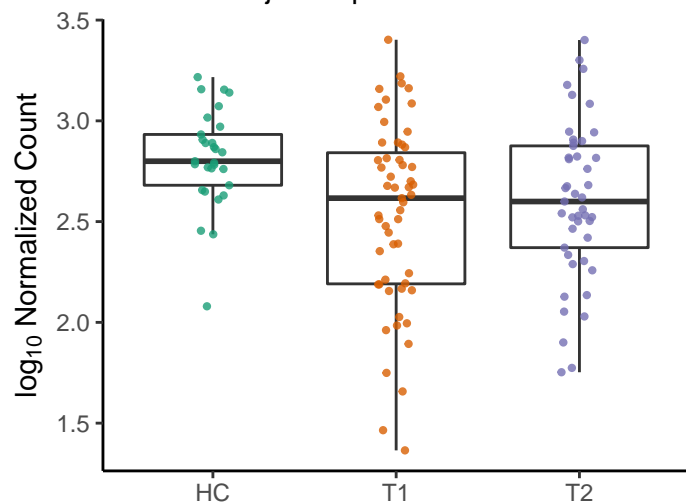
### Acetobacteraceae

non-ED vs. T1 adjusted  $p = 0.0047$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.73$



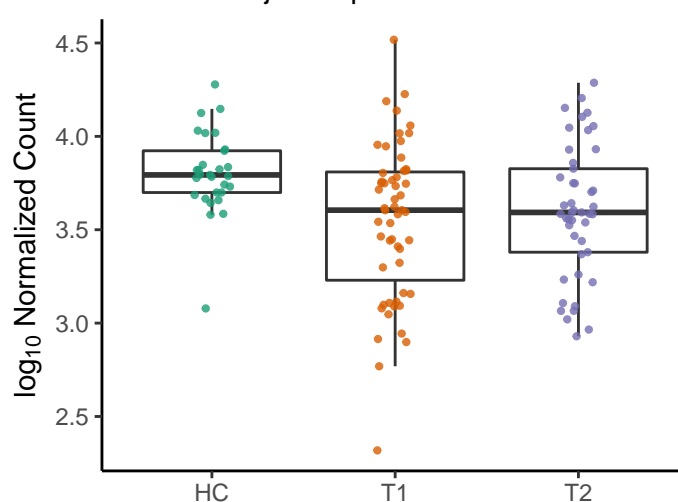
### Gemmatimonadaceae

non-ED vs. T1 adjusted  $p = 0.0047$   
non-ED vs. T2 adjusted  $p = 0.021$   
T1 vs. T2 adjusted  $p = 0.73$



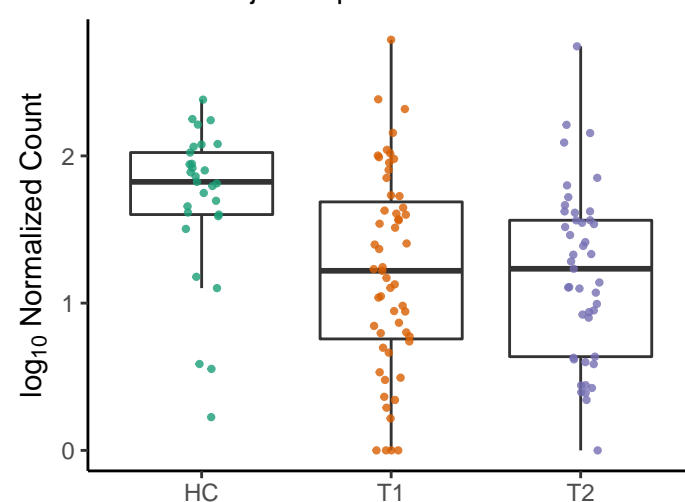
### Nocardiaceae

non-ED vs. T1 adjusted  $p = 0.0047$   
non-ED vs. T2 adjusted  $p = 0.017$   
T1 vs. T2 adjusted  $p = 0.73$



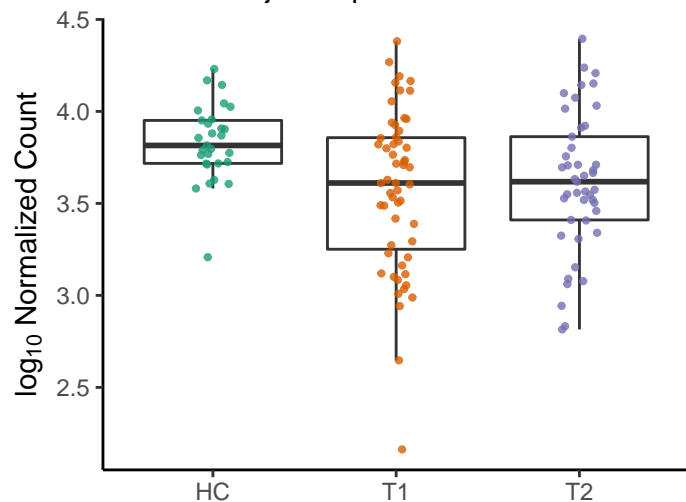
### Unclassified Acidobacteria Phylum

non-ED vs. T1 adjusted  $p = 0.0047$   
non-ED vs. T2 adjusted  $p = 0.0064$   
T1 vs. T2 adjusted  $p = 1$



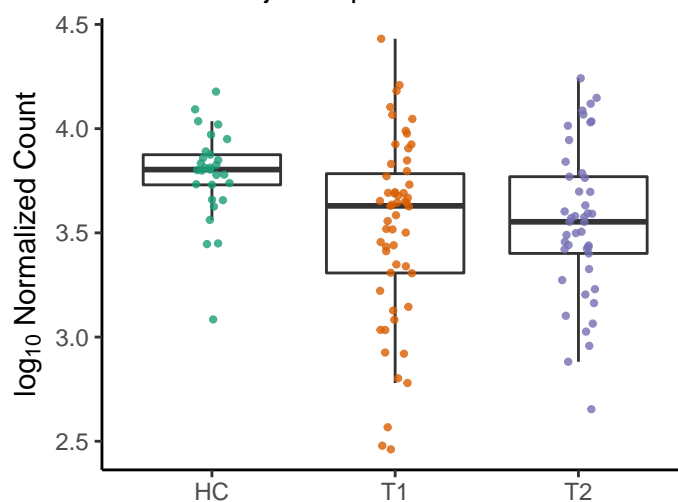
### Unclassified Alphaproteobacteria Class

non-ED vs. T1 adjusted  $p = 0.0047$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.73$



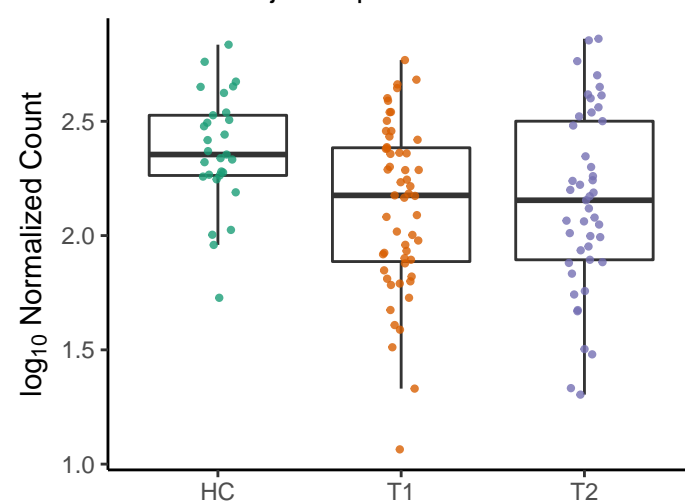
### Unclassified Burkholderiales Order

non-ED vs. T1 adjusted  $p = 0.0047$   
non-ED vs. T2 adjusted  $p = 0.012$   
T1 vs. T2 adjusted  $p = 0.73$



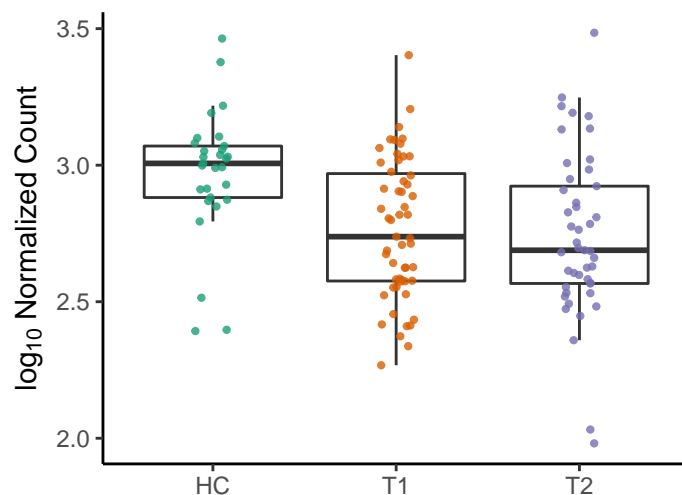
### Ustilaginaceae

non-ED vs. T1 adjusted  $p = 0.0047$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.73$



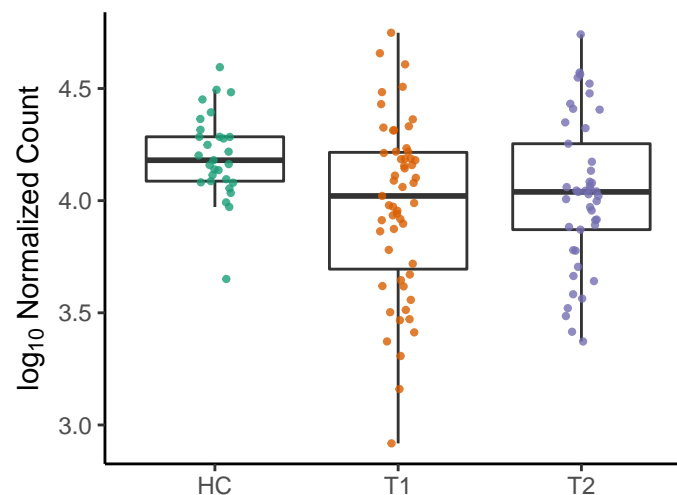
### Aerococcaceae

non-ED vs. T1 adjusted  $p = 0.0048$   
non-ED vs. T2 adjusted  $p = 0.0088$   
T1 vs. T2 adjusted  $p = 0.99$



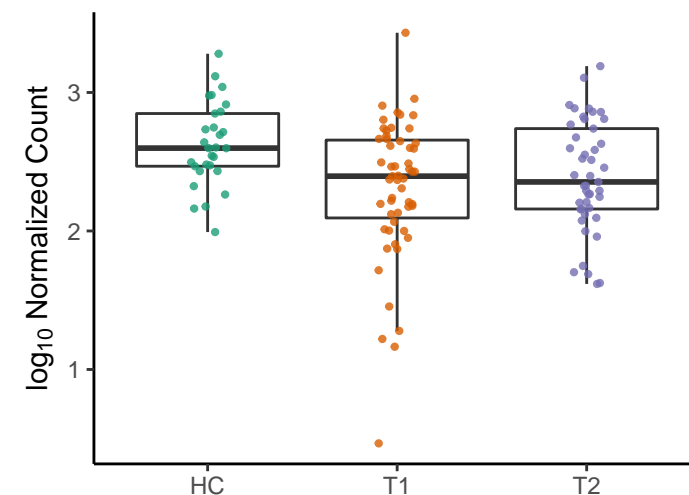
### Rhodobacteraceae

non-ED vs. T1 adjusted  $p = 0.0048$   
non-ED vs. T2 adjusted  $p = 0.023$   
T1 vs. T2 adjusted  $p = 0.73$



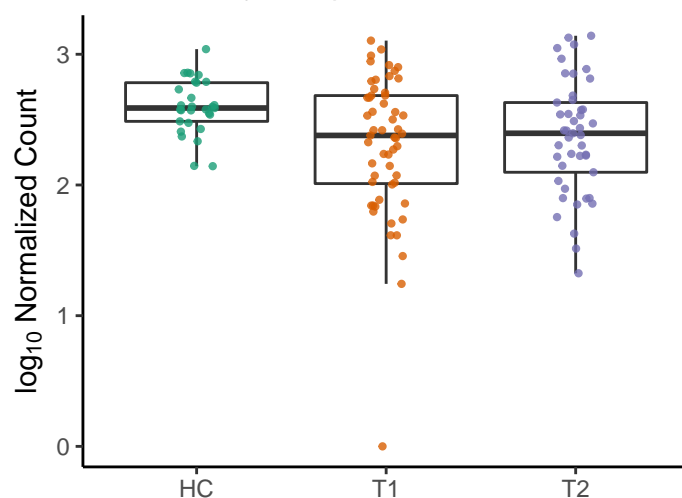
### Ruaniaceae

non-ED vs. T1 adjusted  $p = 0.0048$   
non-ED vs. T2 adjusted  $p = 0.023$   
T1 vs. T2 adjusted  $p = 0.73$



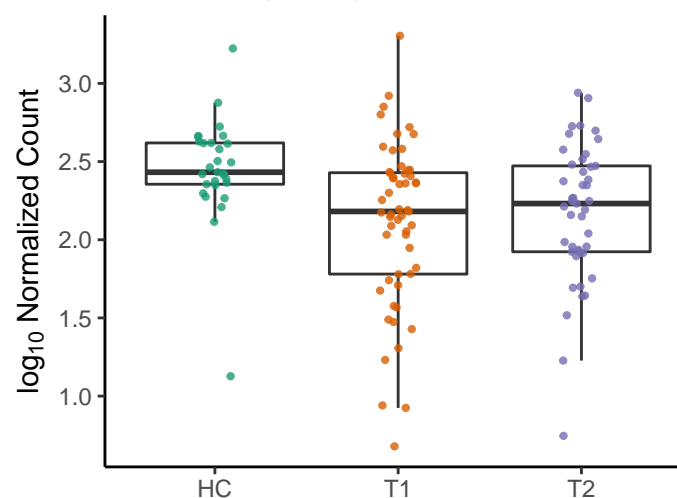
### Unclassified Sphingomonadales Order

non-ED vs. T1 adjusted  $p = 0.0048$   
non-ED vs. T2 adjusted  $p = 0.016$   
T1 vs. T2 adjusted  $p = 0.73$



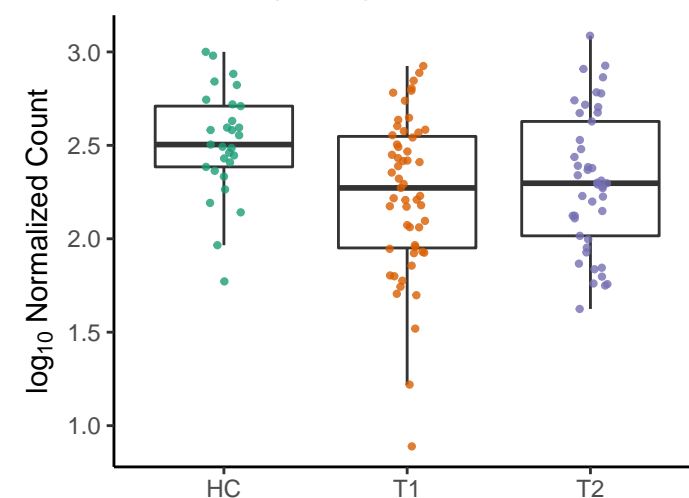
### Unclassified Chromatiales Order

non-ED vs. T1 adjusted  $p = 0.0049$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.73$



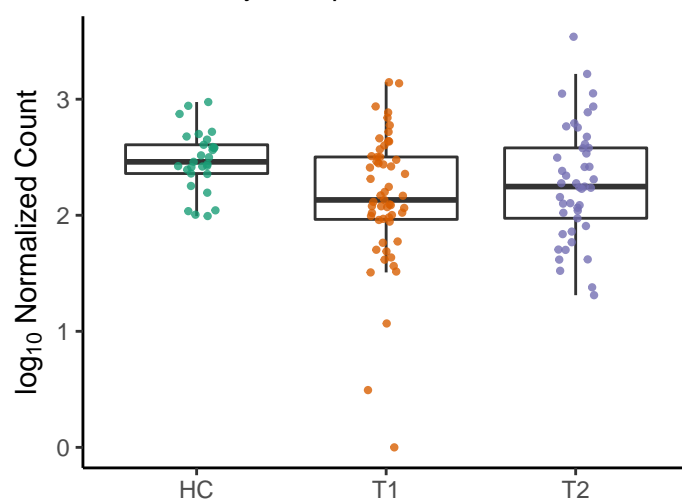
### Solibacteraceae

non-ED vs. T1 adjusted  $p = 0.005$   
non-ED vs. T2 adjusted  $p = 0.025$   
T1 vs. T2 adjusted  $p = 0.73$



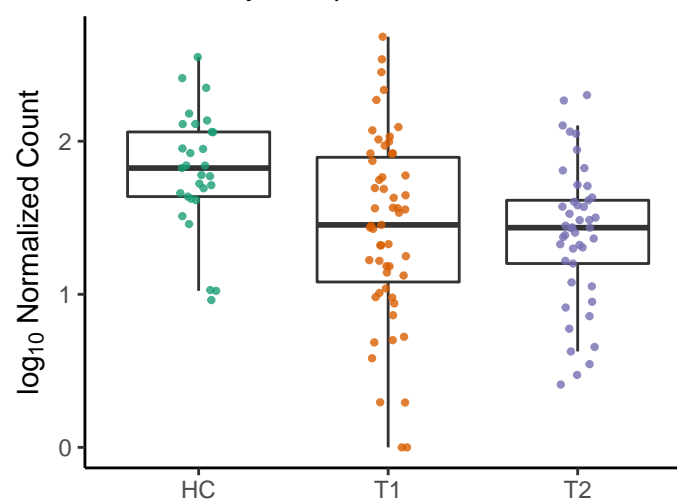
### Catenulisporaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.055$   
T1 vs. T2 adjusted  $p = 0.73$



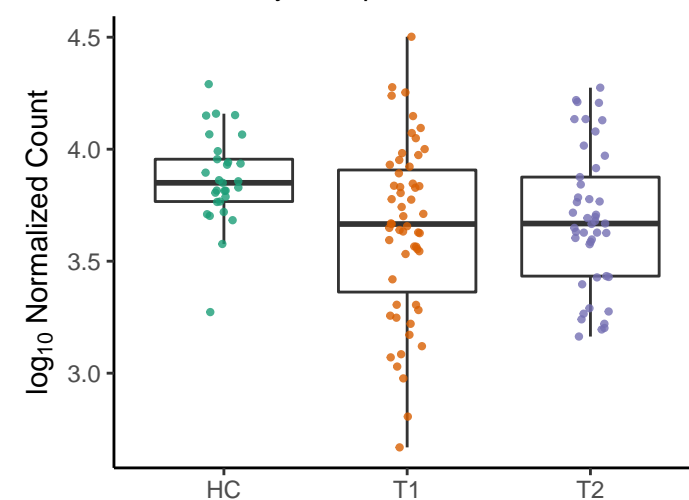
### Acidimicrobiaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.0041$   
T1 vs. T2 adjusted  $p = 0.82$



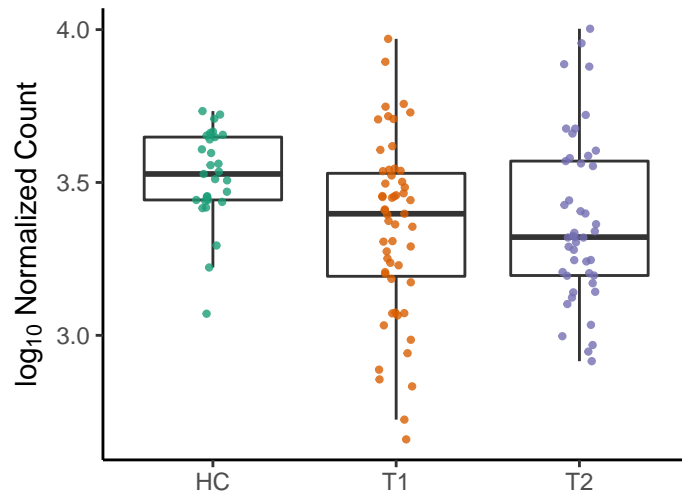
### Alcaligenaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.017$   
T1 vs. T2 adjusted  $p = 0.73$



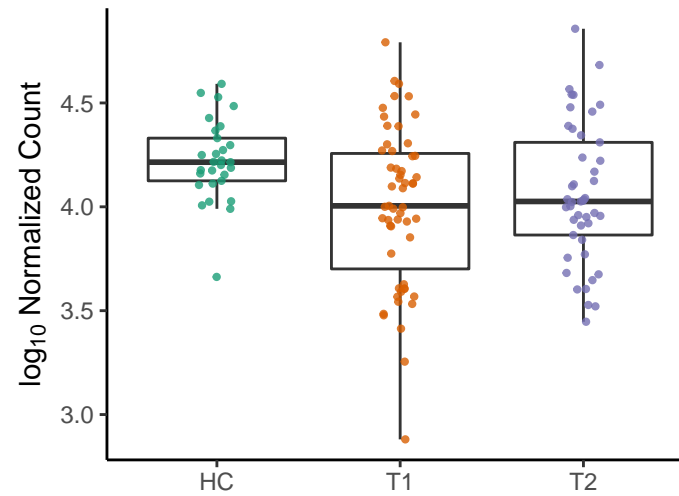
### Alteromonadaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.79$



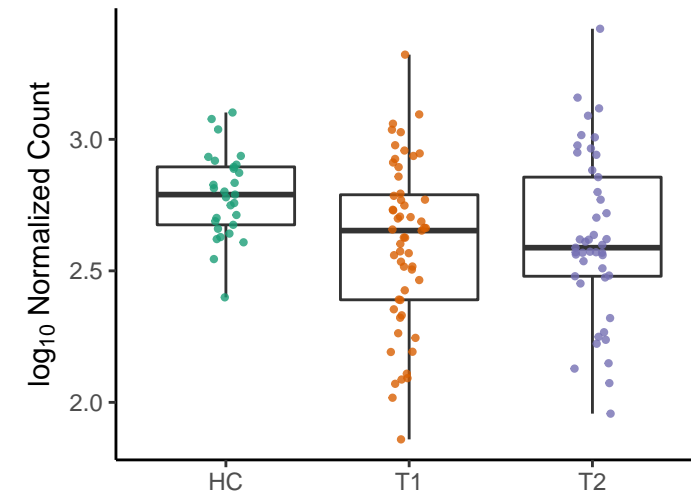
### Burkholderiaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 0.73$



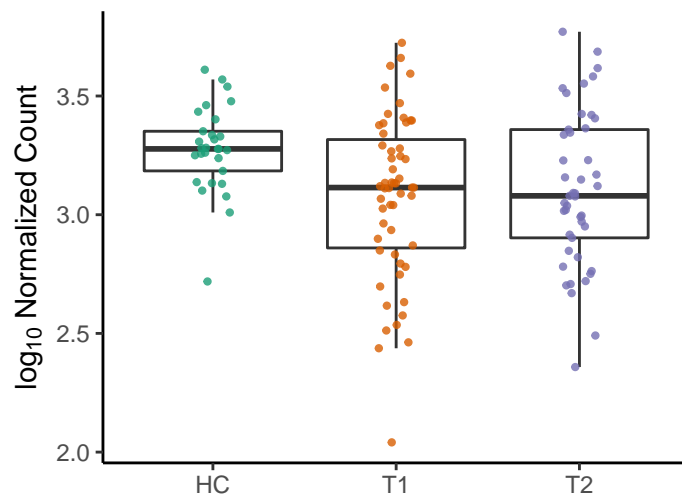
### Cellvibrionaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.02$   
T1 vs. T2 adjusted  $p = 0.89$



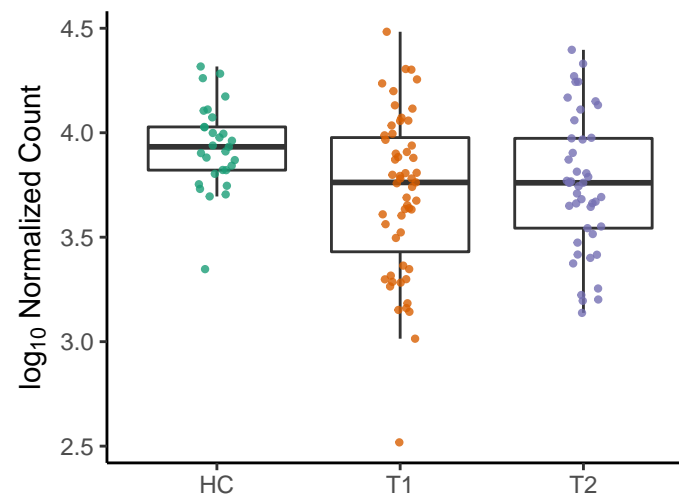
### Chlorobiaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.02$   
T1 vs. T2 adjusted  $p = 0.73$



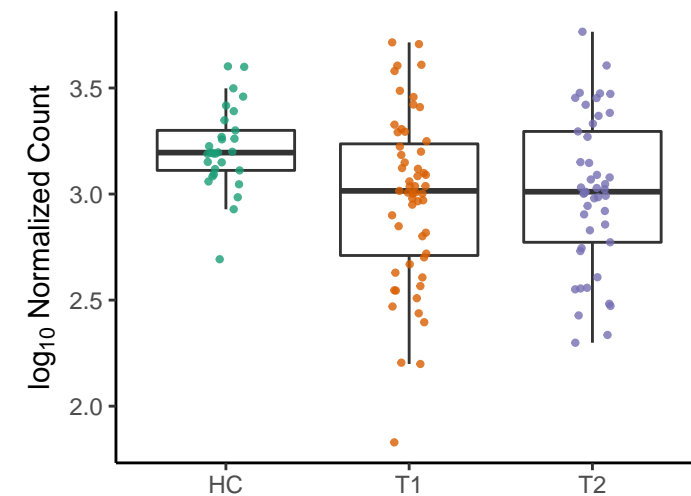
### Corynebacteriaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.02$   
T1 vs. T2 adjusted  $p = 0.73$



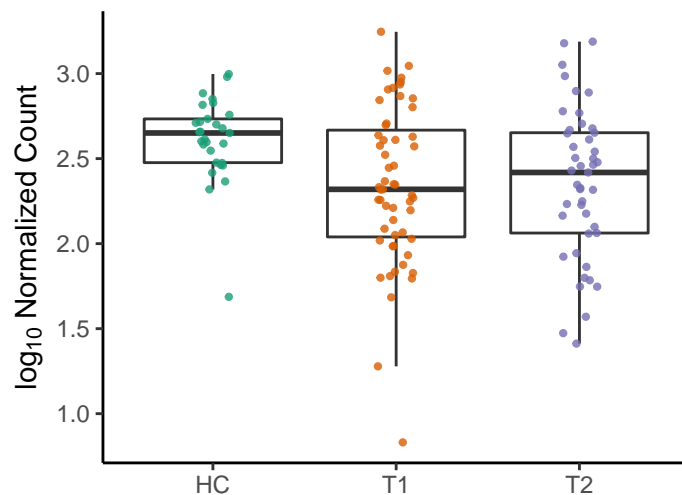
### Desulfuromonadaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.8$



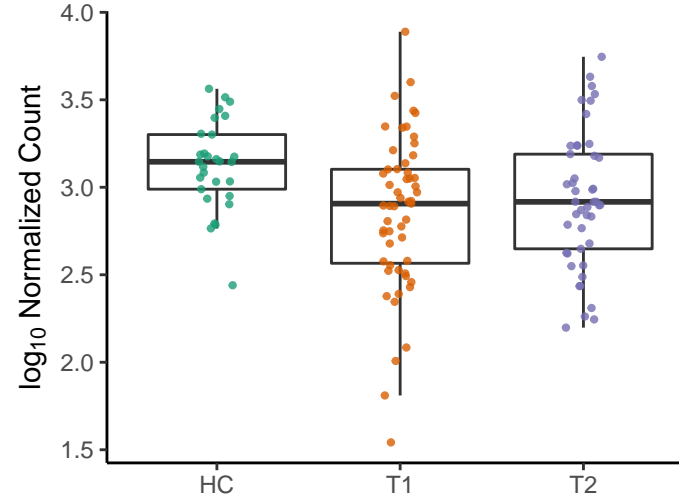
### Dietziaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.89$



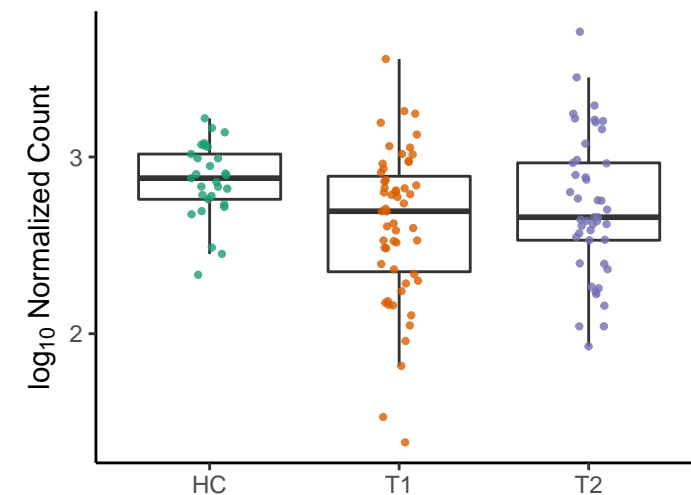
### Gordoniaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 0.73$



### Haloarculaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.064$   
T1 vs. T2 adjusted  $p = 0.73$



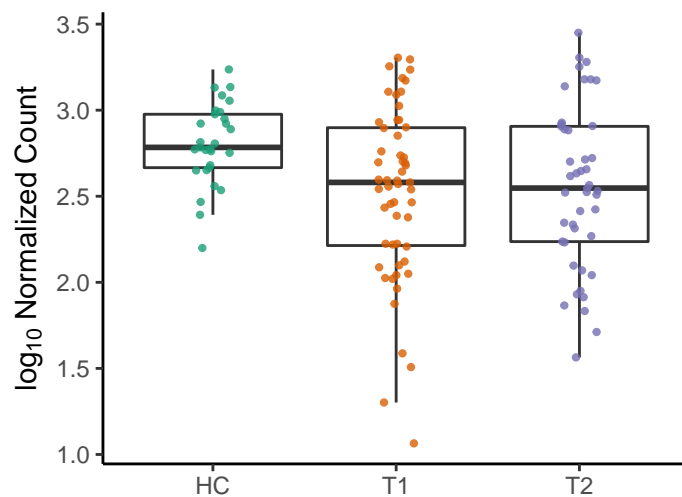


### Halobacteriaceae

non-ED vs. T1 adjusted  $p = 0.0051$

non-ED vs. T2 adjusted  $p = 0.017$

T1 vs. T2 adjusted  $p = 0.8$

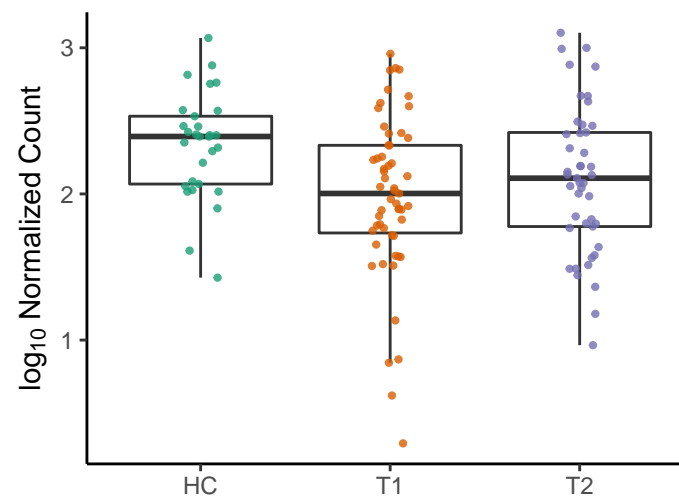


### Kineosporiaceae

non-ED vs. T1 adjusted  $p = 0.0051$

non-ED vs. T2 adjusted  $p = 0.042$

T1 vs. T2 adjusted  $p = 0.73$

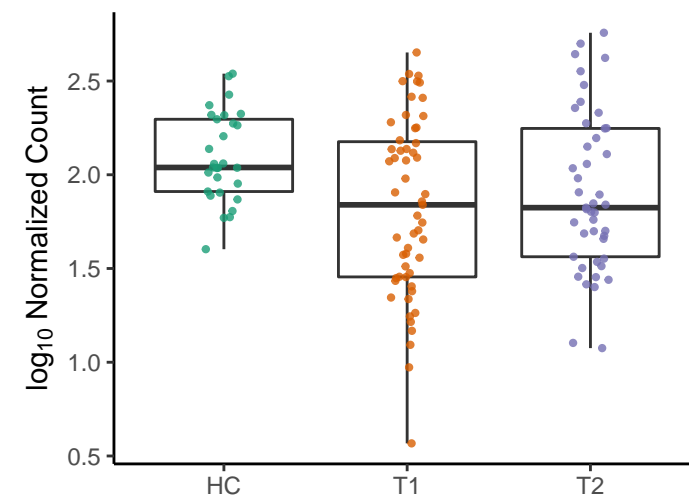


### Methyloacidiphilaceae

non-ED vs. T1 adjusted  $p = 0.0051$

non-ED vs. T2 adjusted  $p = 0.035$

T1 vs. T2 adjusted  $p = 0.73$

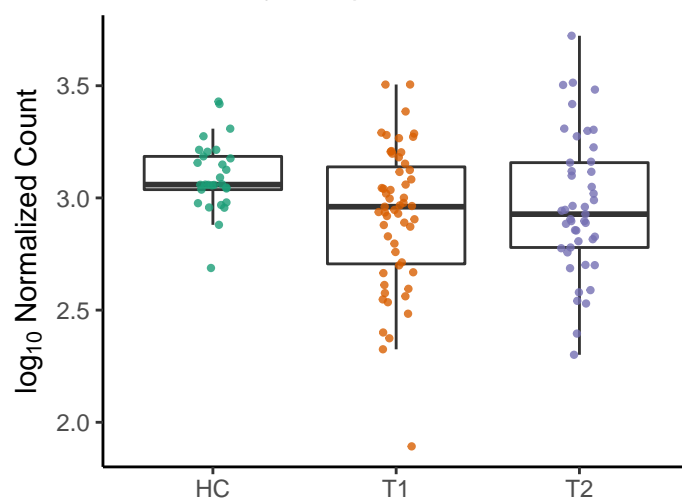


### Methylococcaceae

non-ED vs. T1 adjusted  $p = 0.0051$

non-ED vs. T2 adjusted  $p = 0.036$

T1 vs. T2 adjusted  $p = 0.73$

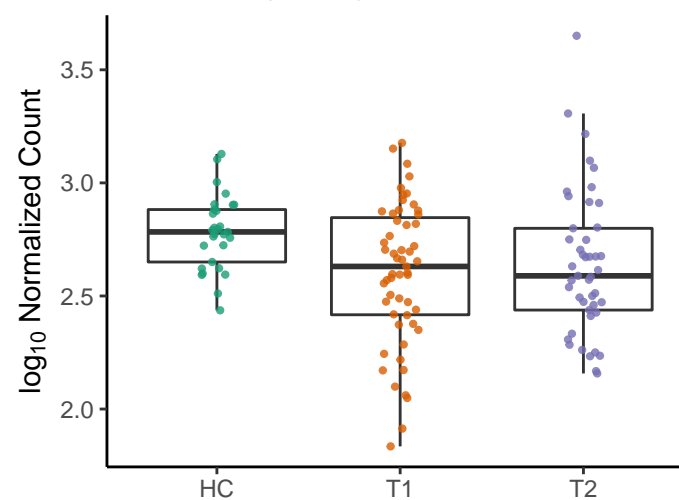


### Methylophilaceae

non-ED vs. T1 adjusted  $p = 0.0051$

non-ED vs. T2 adjusted  $p = 0.031$

T1 vs. T2 adjusted  $p = 0.75$

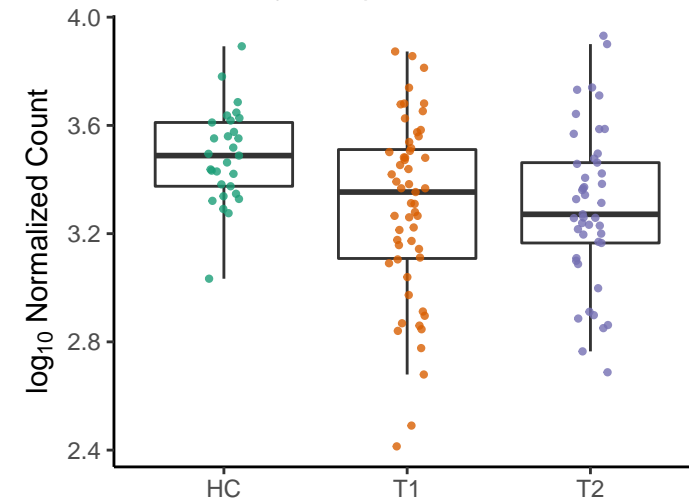


### Neisseriaceae

non-ED vs. T1 adjusted  $p = 0.0051$

non-ED vs. T2 adjusted  $p = 0.011$

T1 vs. T2 adjusted  $p = 0.87$

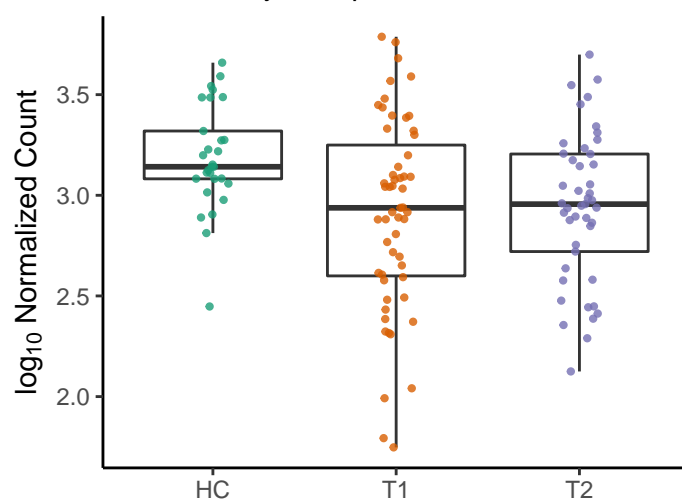


### Opitutaceae

non-ED vs. T1 adjusted  $p = 0.0051$

non-ED vs. T2 adjusted  $p = 0.014$

T1 vs. T2 adjusted  $p = 0.75$

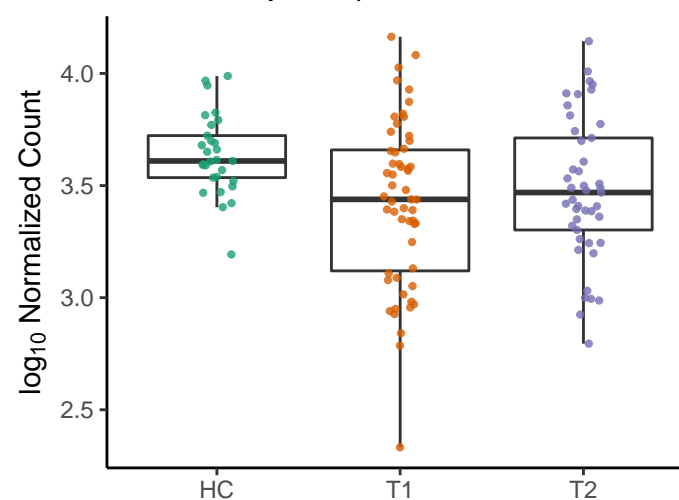


### Phyllobacteriaceae

non-ED vs. T1 adjusted  $p = 0.0051$

non-ED vs. T2 adjusted  $p = 0.027$

T1 vs. T2 adjusted  $p = 0.73$

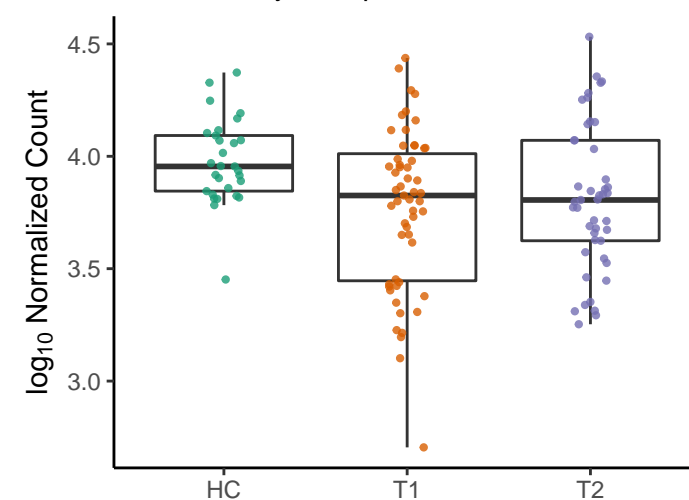


### Rhizobiaceae

non-ED vs. T1 adjusted  $p = 0.0051$

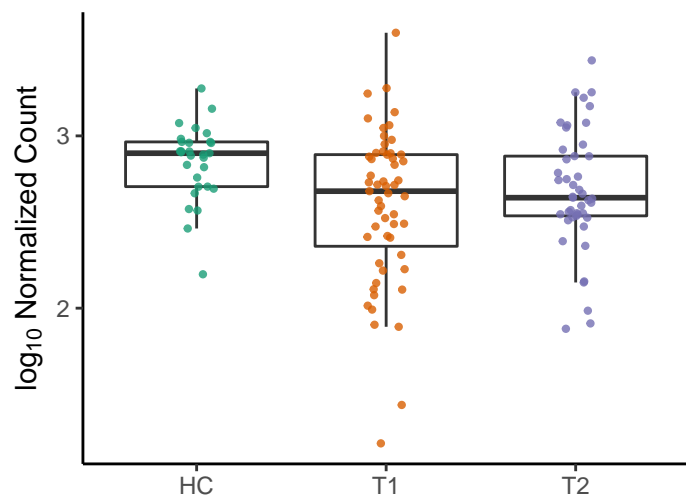
non-ED vs. T2 adjusted  $p = 0.024$

T1 vs. T2 adjusted  $p = 0.73$



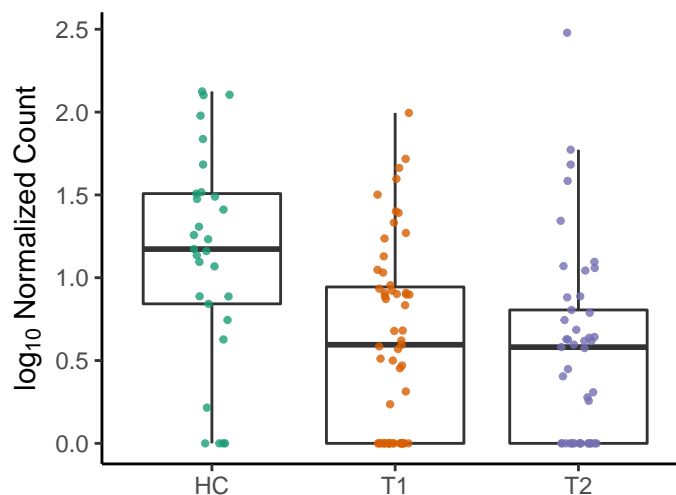
### Sterolibacteriaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.031$   
T1 vs. T2 adjusted  $p = 0.73$



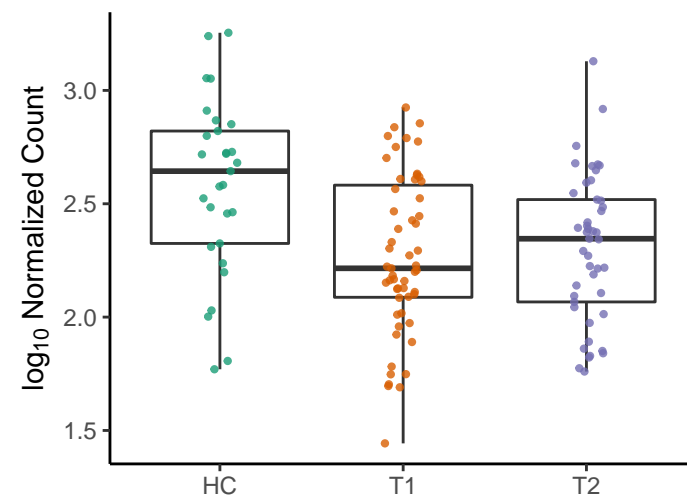
### Unclassified Desulfobacterales Order

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.0064$   
T1 vs. T2 adjusted  $p = 0.8$



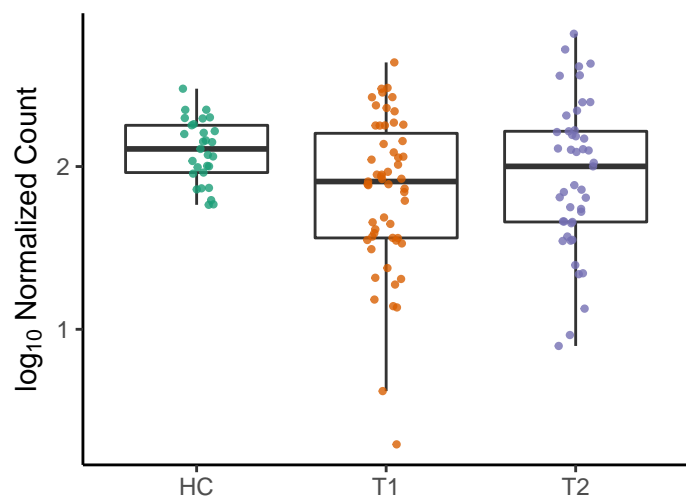
### Unclassified Negativicutes Class

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.73$



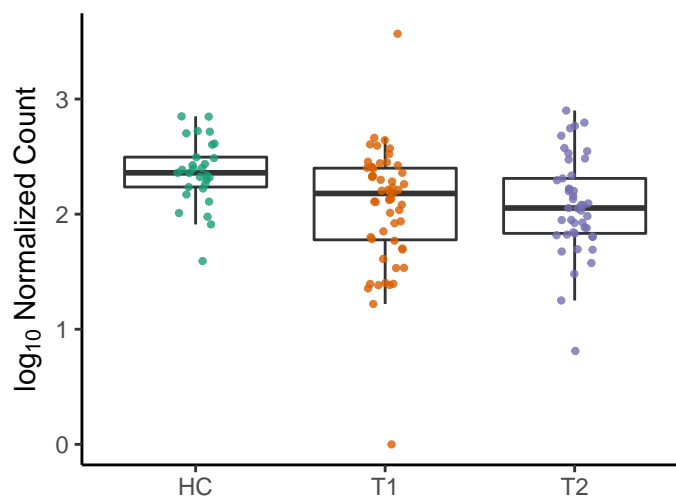
### Unclassified Phycisphaerae Class

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.075$   
T1 vs. T2 adjusted  $p = 0.73$



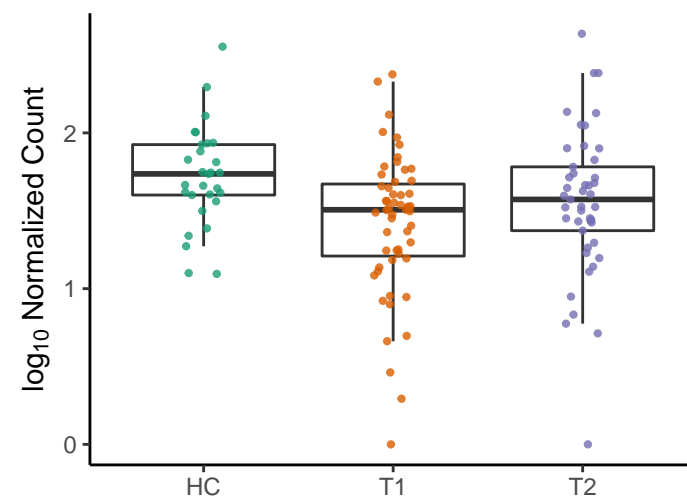
### Vulгатibacteraceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.011$   
T1 vs. T2 adjusted  $p = 0.74$



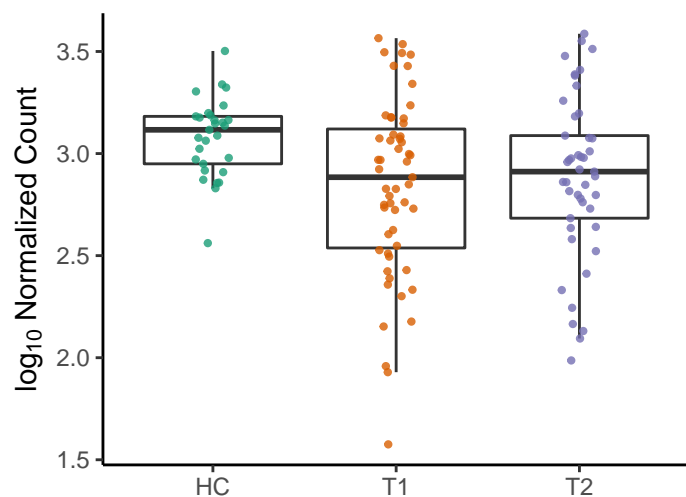
### Waddliaceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.1$   
T1 vs. T2 adjusted  $p = 0.73$



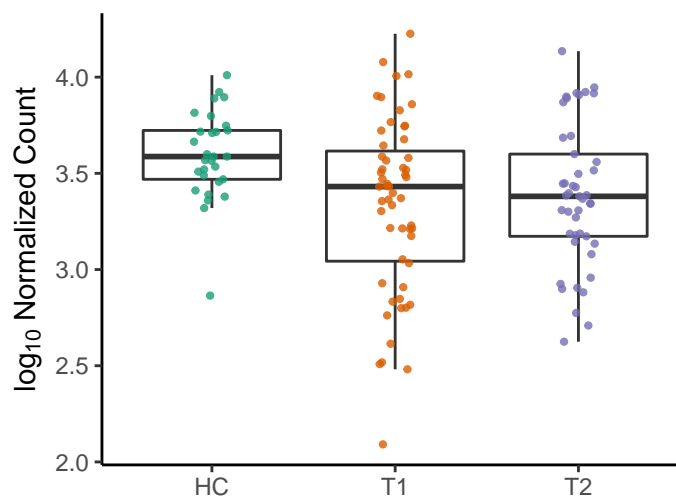
### Xanthobacteraceae

non-ED vs. T1 adjusted  $p = 0.0051$   
non-ED vs. T2 adjusted  $p = 0.023$   
T1 vs. T2 adjusted  $p = 0.73$



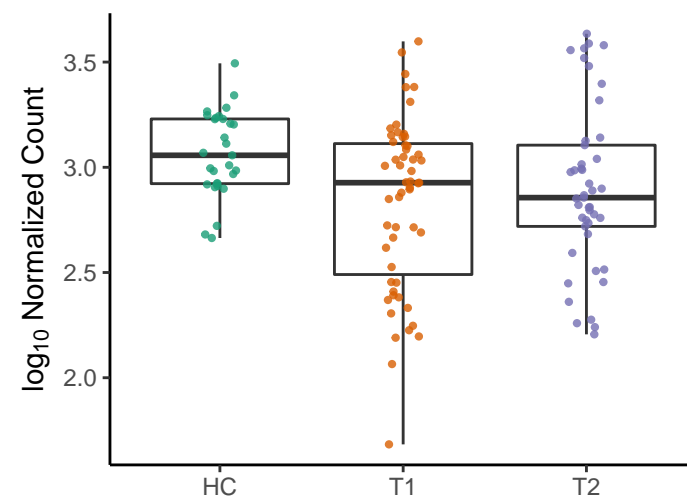
### Deinococcaceae

non-ED vs. T1 adjusted  $p = 0.0052$   
non-ED vs. T2 adjusted  $p = 0.017$   
T1 vs. T2 adjusted  $p = 0.73$



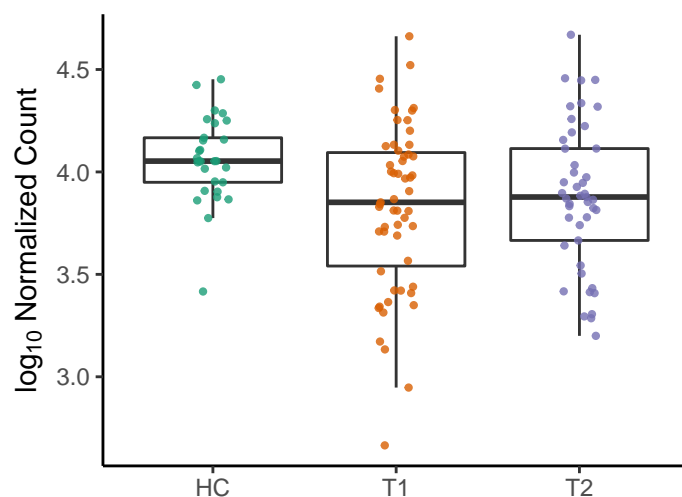
### Heliobacteriaceae

non-ED vs. T1 adjusted  $p = 0.0052$   
non-ED vs. T2 adjusted  $p = 0.042$   
T1 vs. T2 adjusted  $p = 0.73$



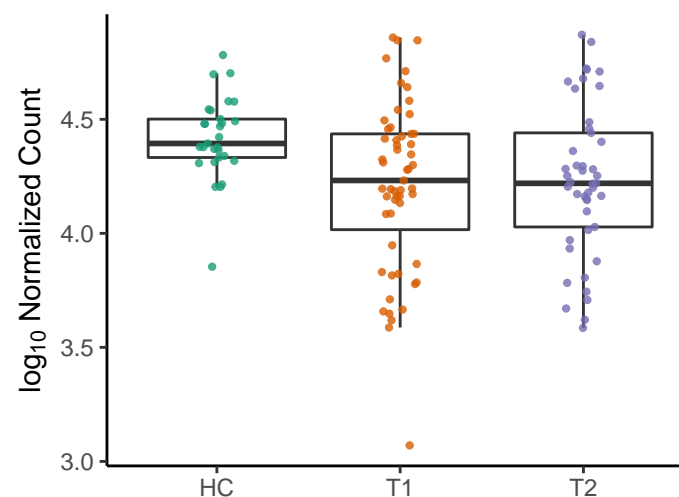
### Mycobacteriaceae

non-ED vs. T1 adjusted  $p = 0.0052$   
non-ED vs. T2 adjusted  $p = 0.025$   
T1 vs. T2 adjusted  $p = 0.73$



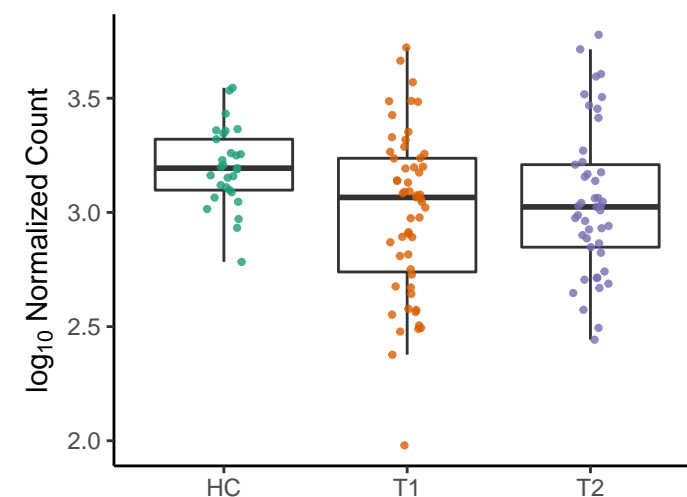
### Unclassified Proteobacteria Phylum

non-ED vs. T1 adjusted  $p = 0.0052$   
non-ED vs. T2 adjusted  $p = 0.016$   
T1 vs. T2 adjusted  $p = 0.73$



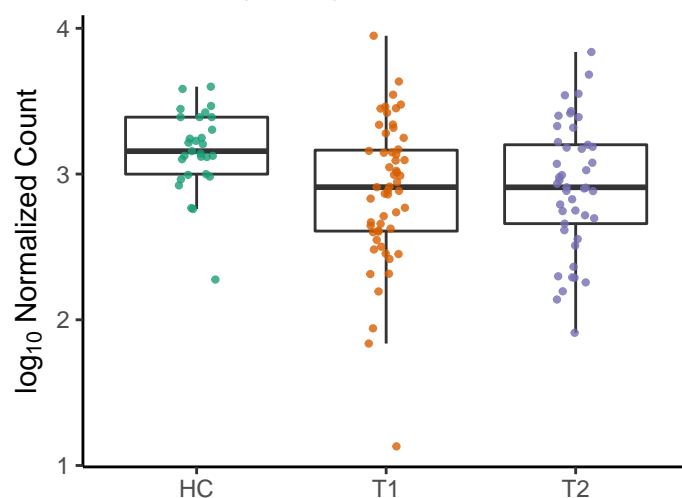
### Alicyclobacillaceae

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 0.73$



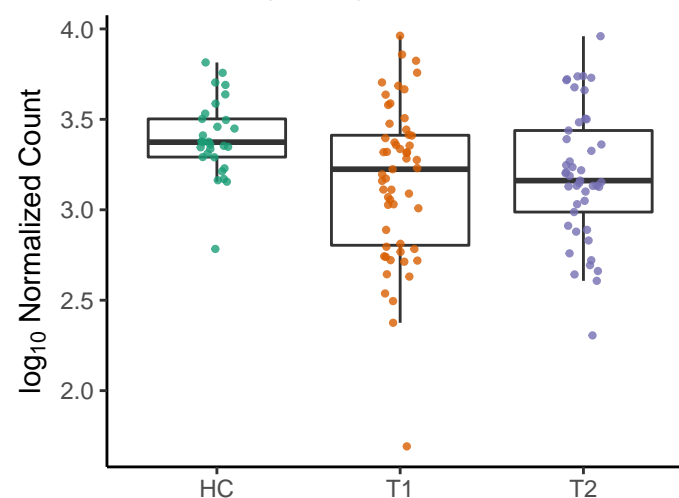
### Cellulomonadaceae

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.017$   
T1 vs. T2 adjusted  $p = 0.79$



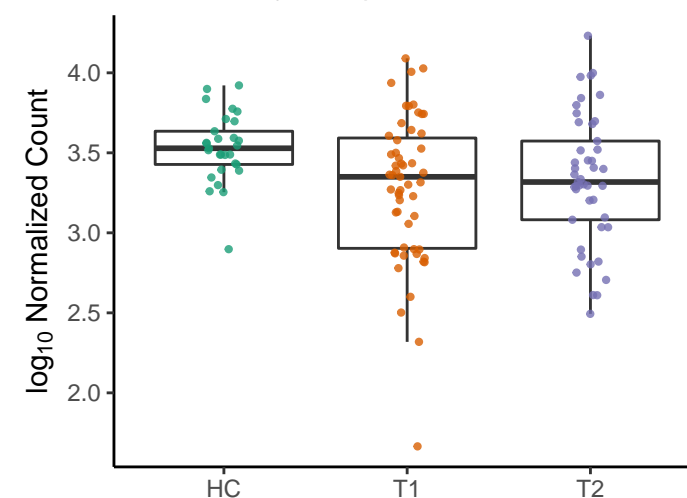
### Erythrobacteraceae

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.017$   
T1 vs. T2 adjusted  $p = 0.74$



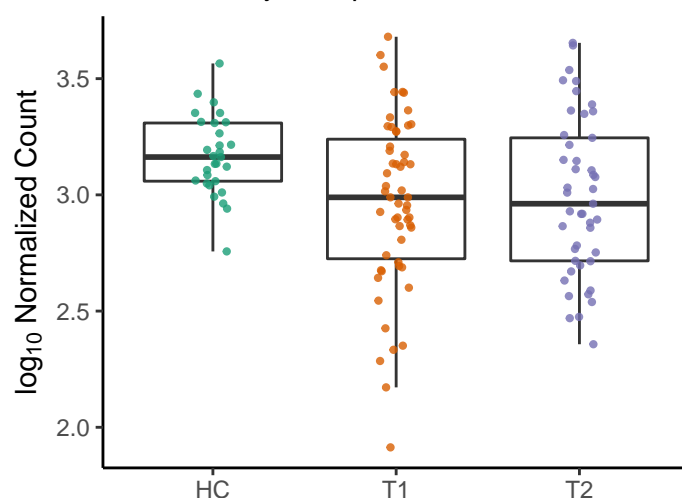
### Methylobacteriaceae

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.025$   
T1 vs. T2 adjusted  $p = 0.73$



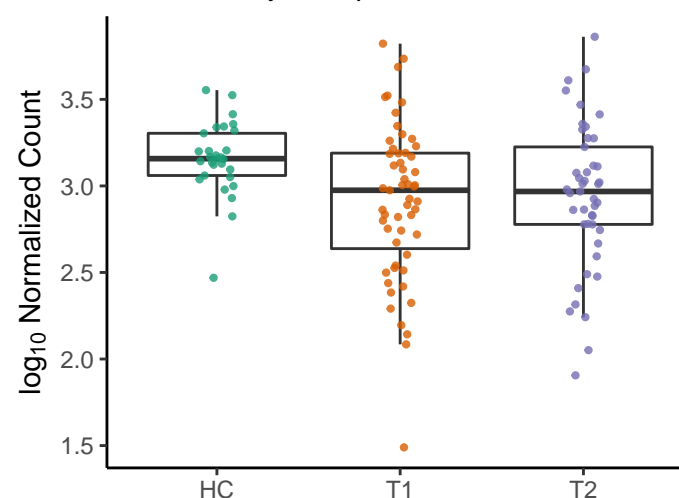
### Planctomycetaceae

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.75$



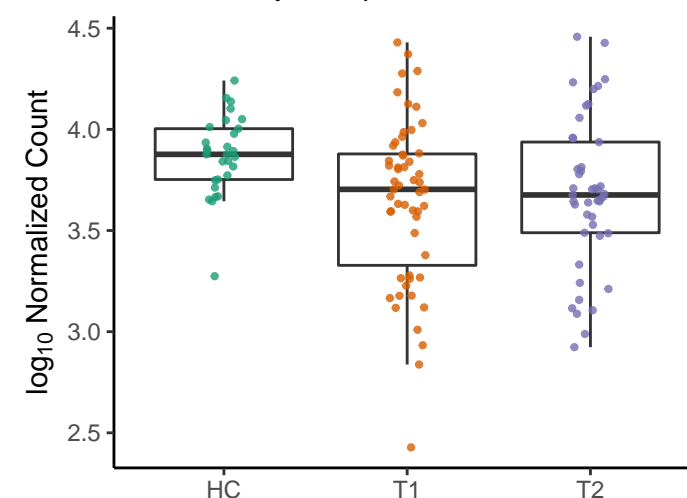
### Rhodanobacteraceae

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.02$   
T1 vs. T2 adjusted  $p = 0.74$



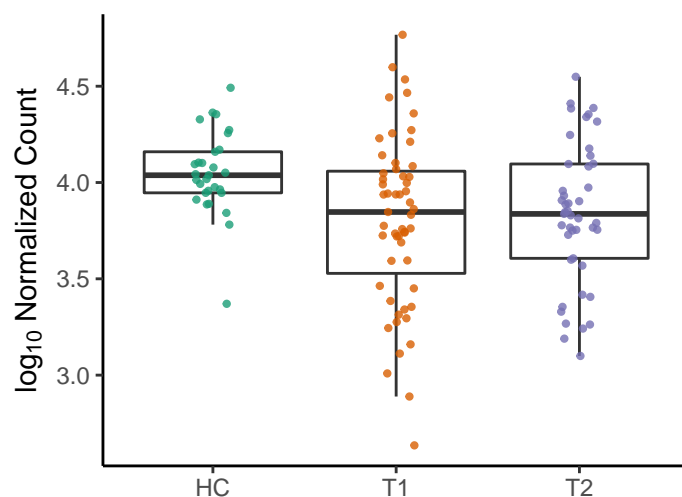
### Bradyrhizobiaceae

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.023$   
T1 vs. T2 adjusted  $p = 0.73$



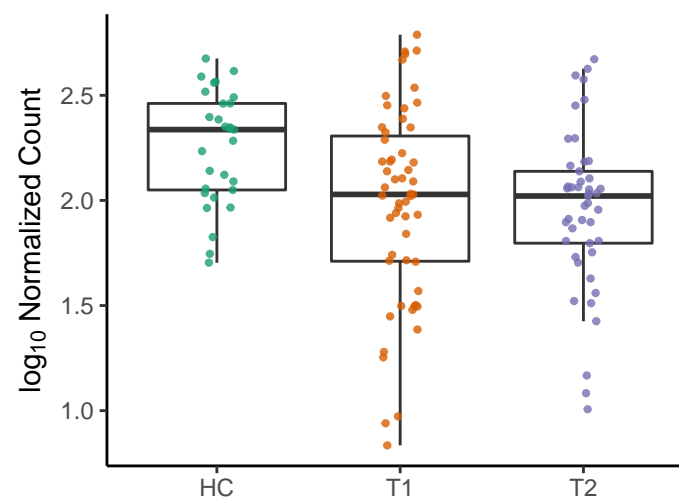
### Comamonadaceae

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.73$



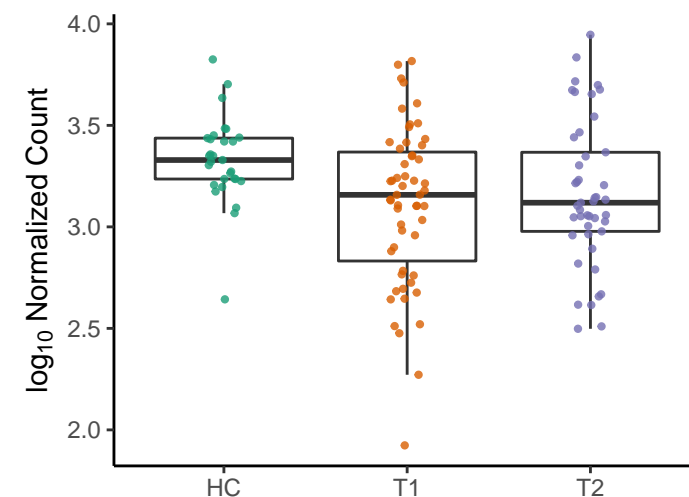
### Halothiobacillaceae

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.0059$   
T1 vs. T2 adjusted  $p = 0.95$



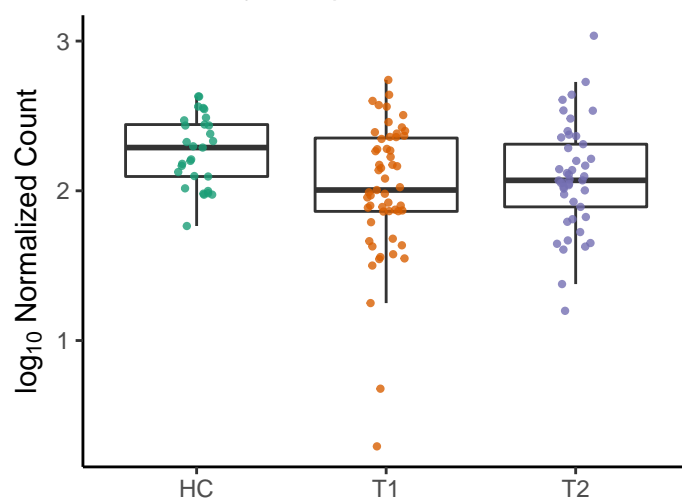
### Hyphomicrobiaceae

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.031$   
T1 vs. T2 adjusted  $p = 0.73$



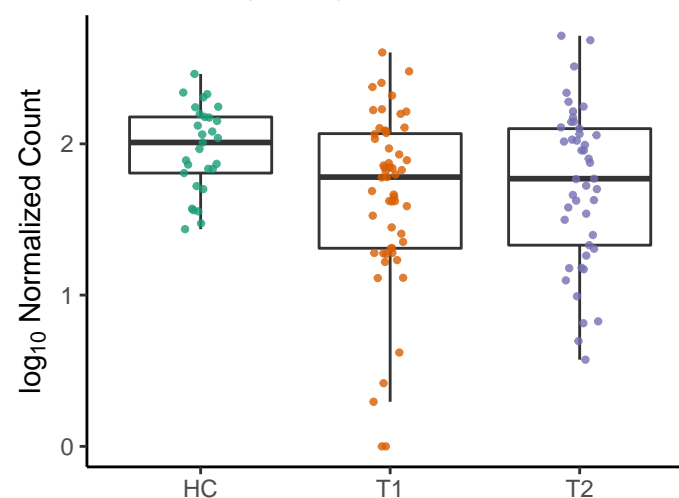
### Unclassified Armatimonadetes Phylum

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.031$   
T1 vs. T2 adjusted  $p = 0.73$



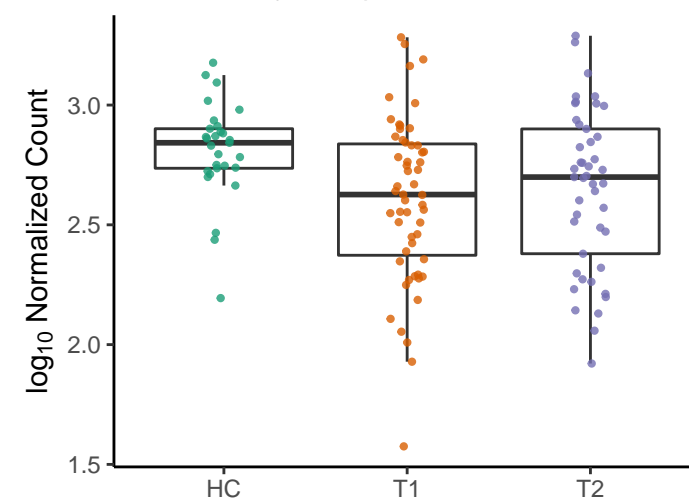
### Wenzhouxiangellaceae

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.031$   
T1 vs. T2 adjusted  $p = 0.73$



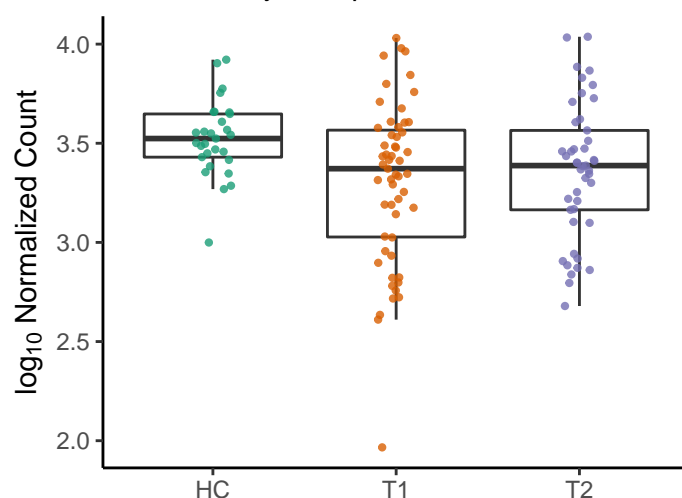
### Gallionellaceae

non-ED vs. T1 adjusted  $p = 0.0055$   
non-ED vs. T2 adjusted  $p = 0.03$   
T1 vs. T2 adjusted  $p = 0.73$



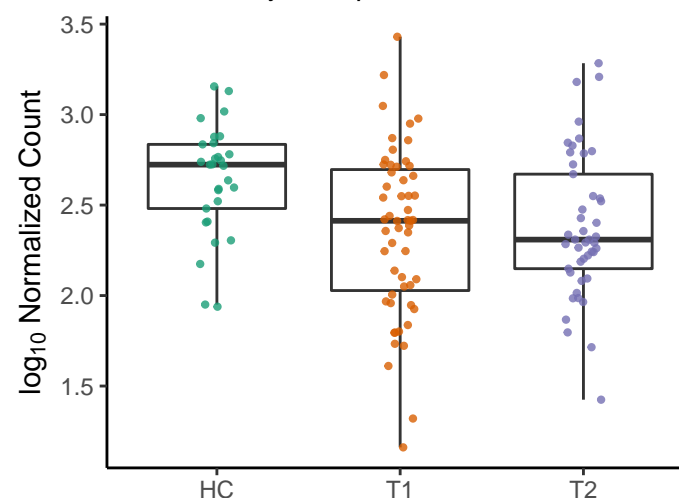
### Geobacteraceae

non-ED vs. T1 adjusted  $p = 0.0055$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 0.73$



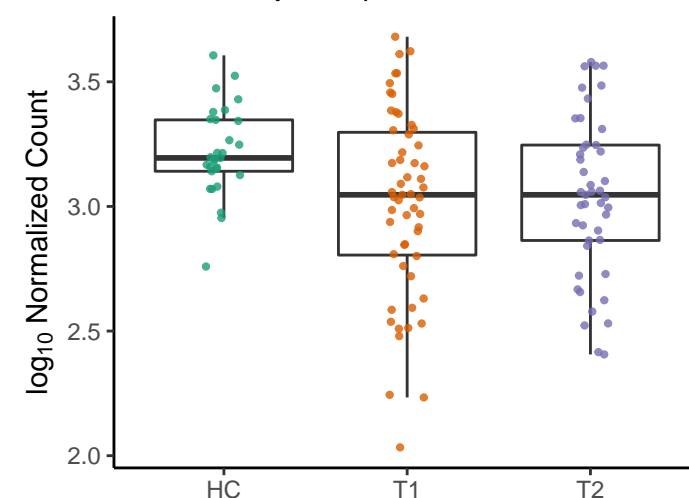
### Glomerellaceae

non-ED vs. T1 adjusted  $p = 0.0055$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.73$



### Acidobacteriaceae

non-ED vs. T1 adjusted  $p = 0.0056$   
non-ED vs. T2 adjusted  $p = 0.016$   
T1 vs. T2 adjusted  $p = 0.79$

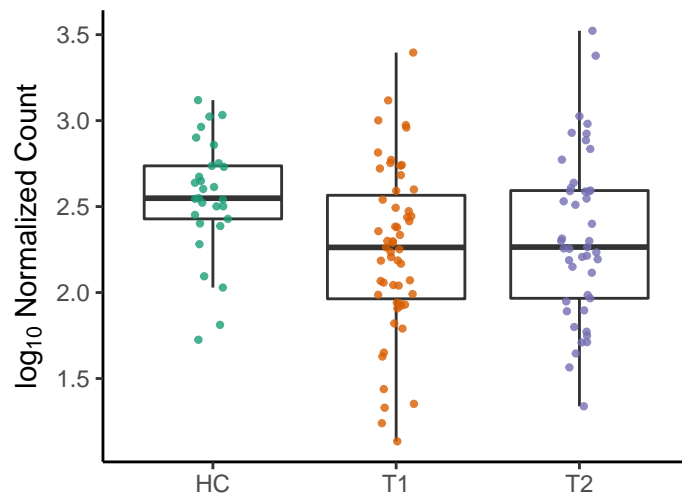


### Beutenbergiaceae

non-ED vs. T1 adjusted  $p = 0.0056$

non-ED vs. T2 adjusted  $p = 0.04$

T1 vs. T2 adjusted  $p = 0.73$

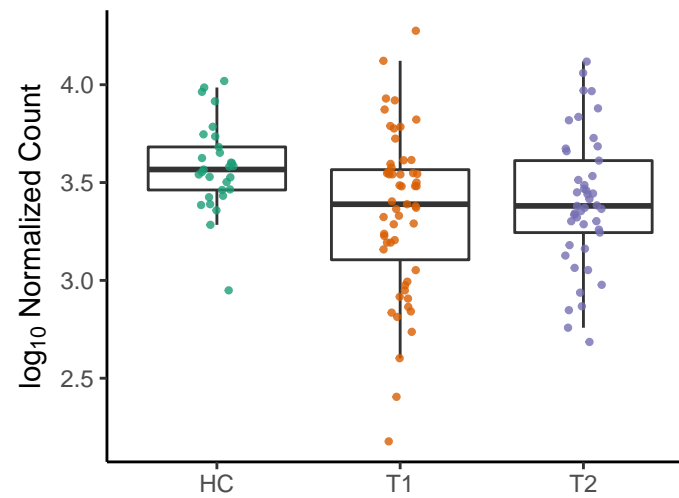


### Caulobacteraceae

non-ED vs. T1 adjusted  $p = 0.0056$

non-ED vs. T2 adjusted  $p = 0.025$

T1 vs. T2 adjusted  $p = 0.73$

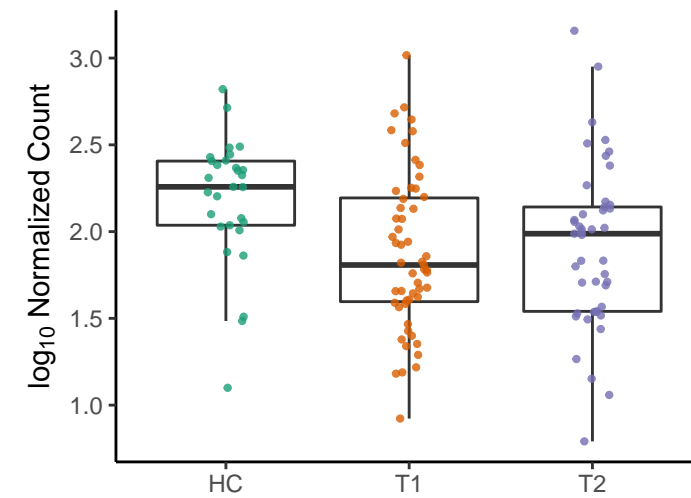


### Ignavibacteriaceae

non-ED vs. T1 adjusted  $p = 0.0056$

non-ED vs. T2 adjusted  $p = 0.024$

T1 vs. T2 adjusted  $p = 0.94$

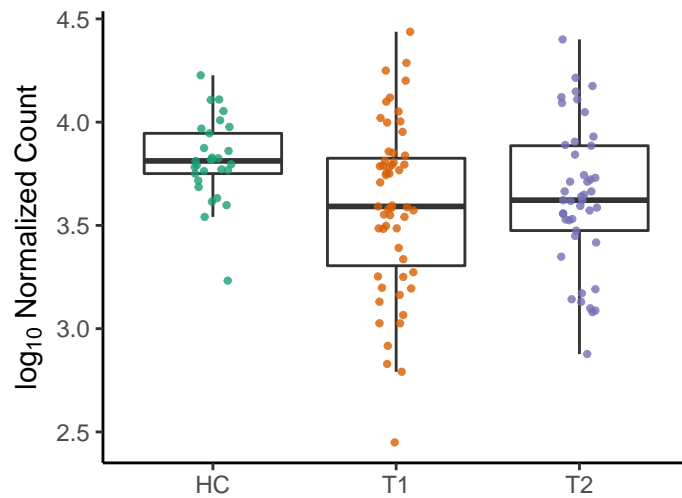


### Rhodospirillaceae

non-ED vs. T1 adjusted  $p = 0.0056$

non-ED vs. T2 adjusted  $p = 0.023$

T1 vs. T2 adjusted  $p = 0.73$

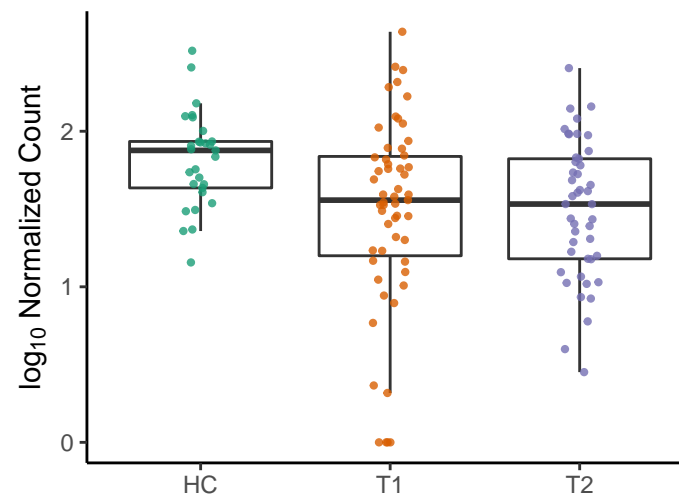


### Unclassified Planctomycetia Class

non-ED vs. T1 adjusted  $p = 0.0056$

non-ED vs. T2 adjusted  $p = 0.0087$

T1 vs. T2 adjusted  $p = 0.73$

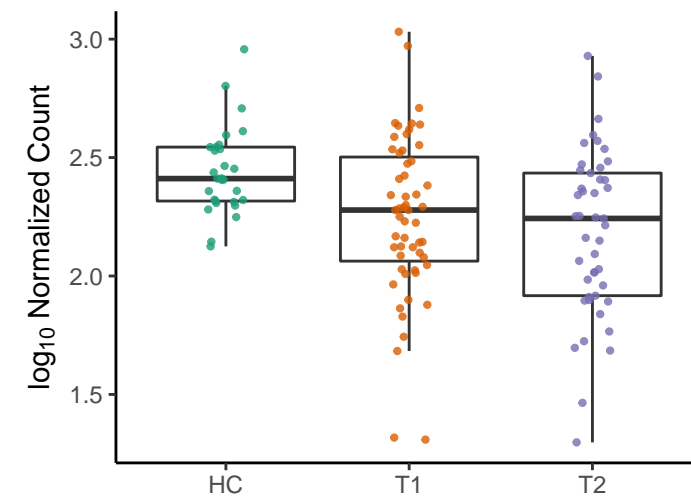


### Sordariaceae

non-ED vs. T1 adjusted  $p = 0.0057$

non-ED vs. T2 adjusted  $p = 0.0046$

T1 vs. T2 adjusted  $p = 0.73$

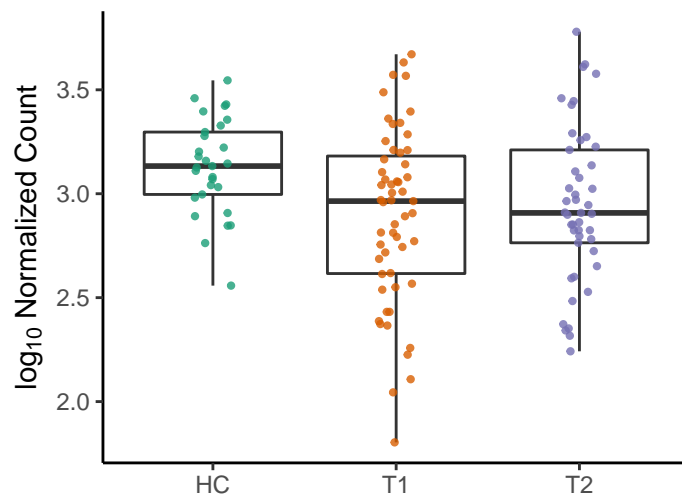


### Dermabacteraceae

non-ED vs. T1 adjusted  $p = 0.0057$

non-ED vs. T2 adjusted  $p = 0.028$

T1 vs. T2 adjusted  $p = 0.73$

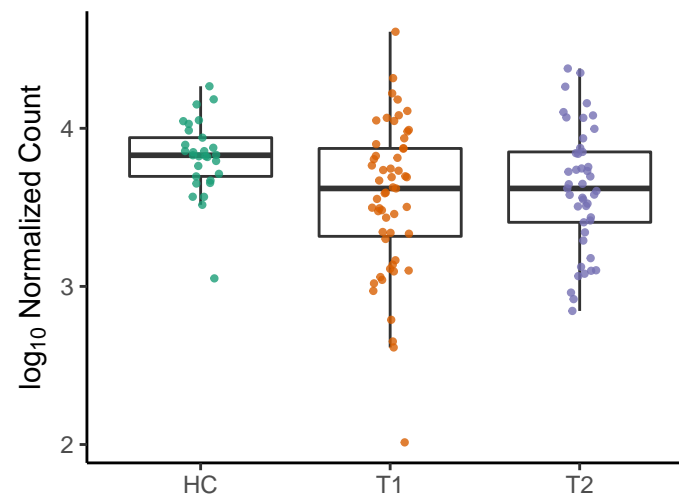


### Micromonosporaceae

non-ED vs. T1 adjusted  $p = 0.0057$

non-ED vs. T2 adjusted  $p = 0.023$

T1 vs. T2 adjusted  $p = 0.73$

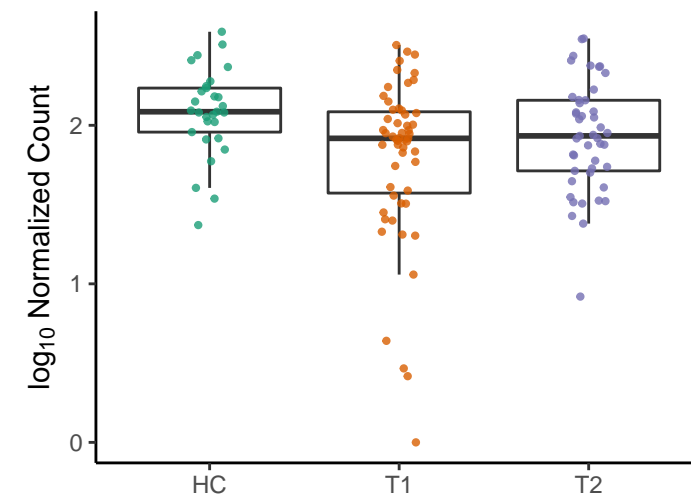


### Casimicrobiaceae

non-ED vs. T1 adjusted  $p = 0.0058$

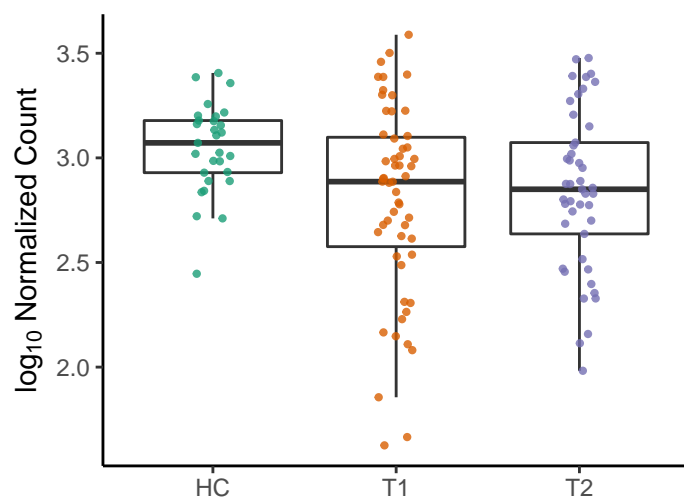
non-ED vs. T2 adjusted  $p = 0.063$

T1 vs. T2 adjusted  $p = 0.73$



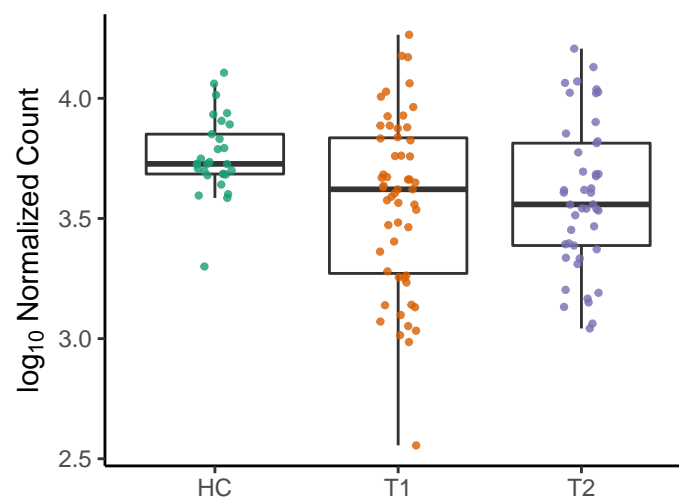
### Rhodothermaceae

non-ED vs. T1 adjusted  $p = 0.0058$   
non-ED vs. T2 adjusted  $p = 0.02$   
T1 vs. T2 adjusted  $p = 0.73$



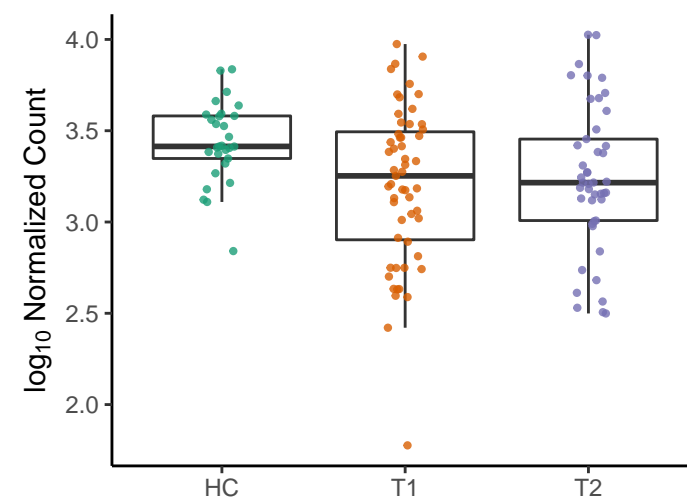
### Unclassified Planctomycetes Phylum

non-ED vs. T1 adjusted  $p = 0.0058$   
non-ED vs. T2 adjusted  $p = 0.017$   
T1 vs. T2 adjusted  $p = 0.76$



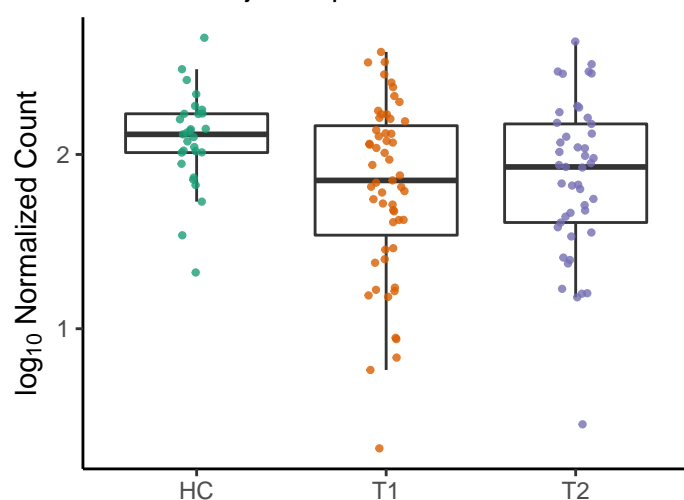
### Unclassified Rhizobiales Order

non-ED vs. T1 adjusted  $p = 0.0058$   
non-ED vs. T2 adjusted  $p = 0.024$   
T1 vs. T2 adjusted  $p = 0.75$



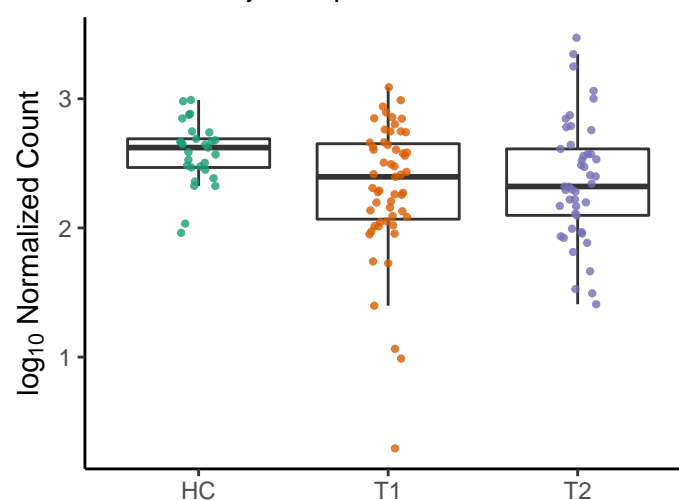
### Unclassified Rhodocyclales Order

non-ED vs. T1 adjusted  $p = 0.006$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 0.73$



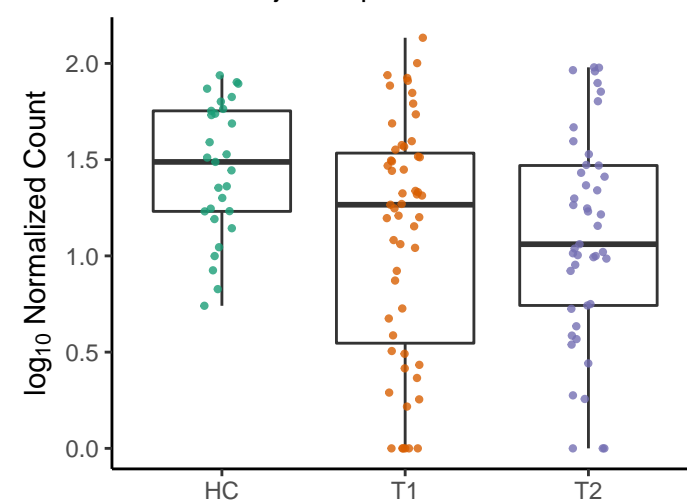
### Tsukamurellaceae

non-ED vs. T1 adjusted  $p = 0.0062$   
non-ED vs. T2 adjusted  $p = 0.03$   
T1 vs. T2 adjusted  $p = 0.73$



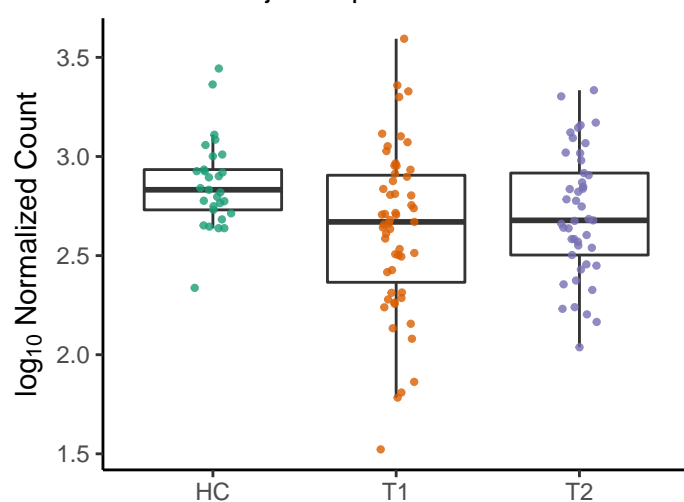
### Unclassified Streptosporangiales Order

non-ED vs. T1 adjusted  $p = 0.0062$   
non-ED vs. T2 adjusted  $p = 0.014$   
T1 vs. T2 adjusted  $p = 0.85$



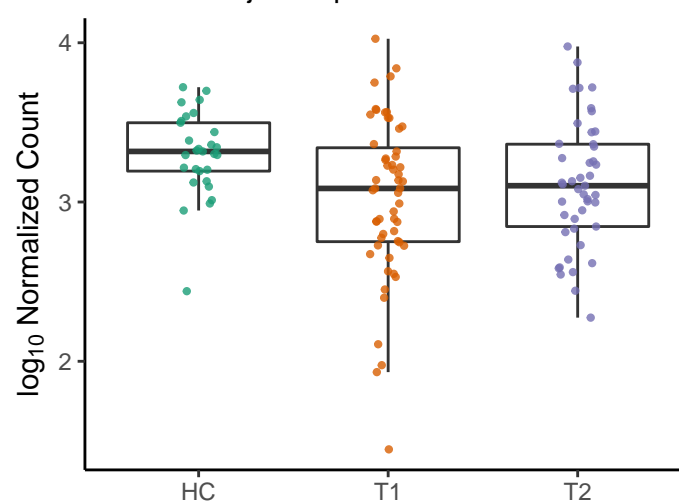
### Alcanivoracaceae

non-ED vs. T1 adjusted  $p = 0.0064$   
non-ED vs. T2 adjusted  $p = 0.037$   
T1 vs. T2 adjusted  $p = 0.73$



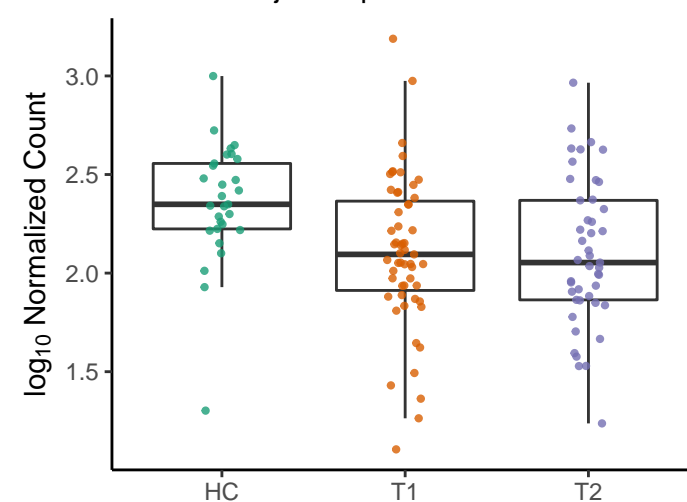
### Intrasporangiaceae

non-ED vs. T1 adjusted  $p = 0.0064$   
non-ED vs. T2 adjusted  $p = 0.031$   
T1 vs. T2 adjusted  $p = 0.73$



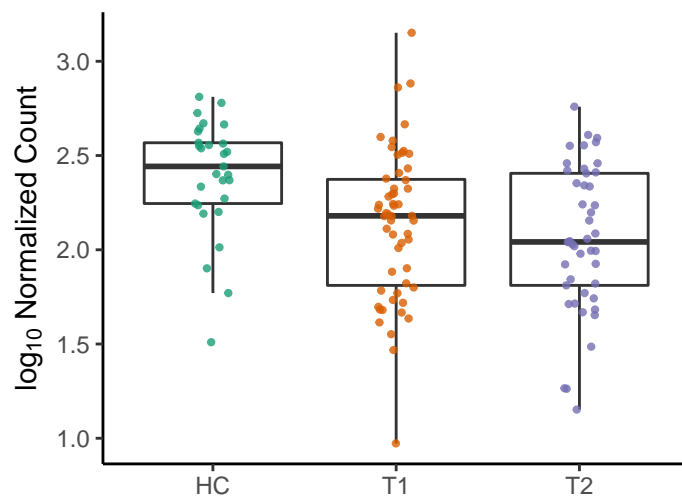
### Unclassified Campylobacteriales Order

non-ED vs. T1 adjusted  $p = 0.0064$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.91$



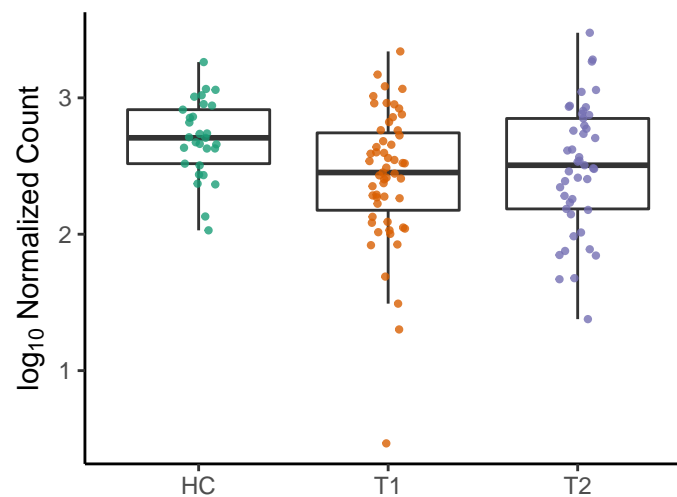
### Blattabacteriaceae

non-ED vs. T1 adjusted  $p = 0.0064$   
non-ED vs. T2 adjusted  $p = 0.0046$   
T1 vs. T2 adjusted  $p = 0.73$



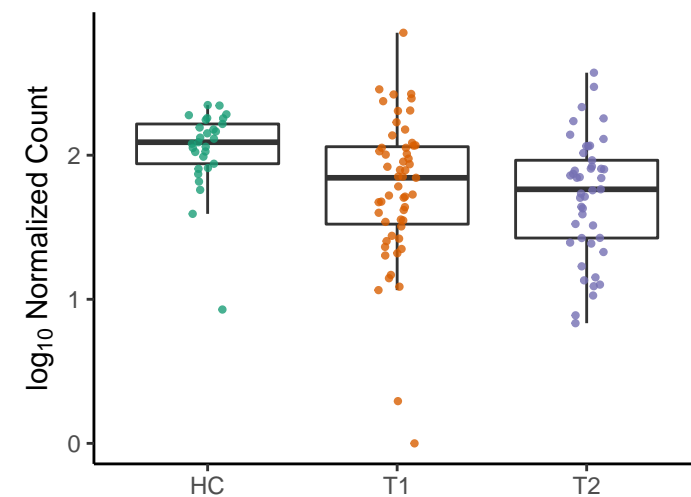
### Halorubraceae

non-ED vs. T1 adjusted  $p = 0.0064$   
non-ED vs. T2 adjusted  $p = 0.036$   
T1 vs. T2 adjusted  $p = 0.73$



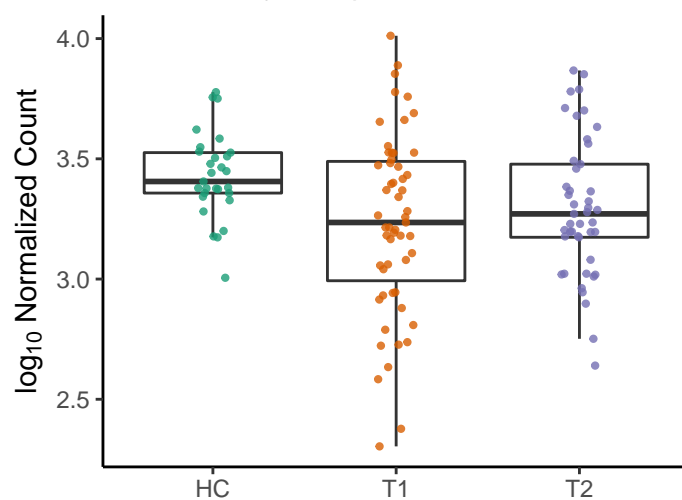
### Salinivirgaceae

non-ED vs. T1 adjusted  $p = 0.0064$   
non-ED vs. T2 adjusted  $p = 0.0047$   
T1 vs. T2 adjusted  $p = 0.8$



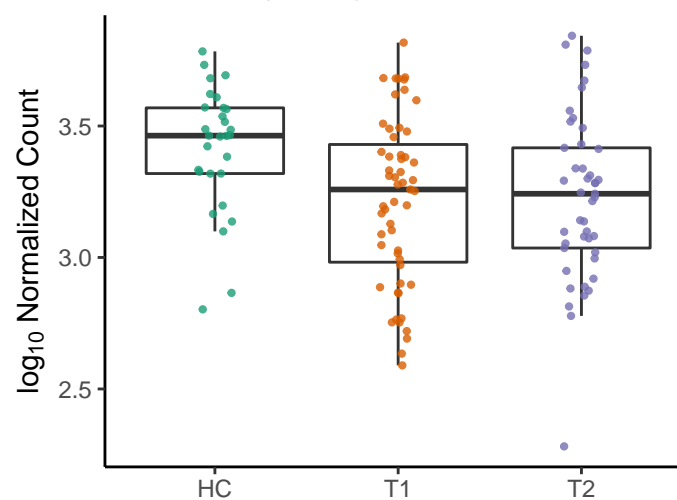
### Synechococcaceae

non-ED vs. T1 adjusted  $p = 0.0064$   
non-ED vs. T2 adjusted  $p = 0.035$   
T1 vs. T2 adjusted  $p = 0.73$



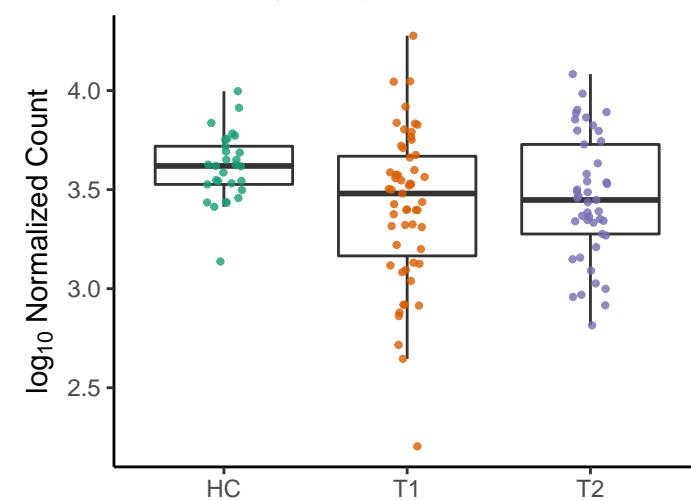
### Thermoanaerobacterales Family III. Inc

non-ED vs. T1 adjusted  $p = 0.0065$   
non-ED vs. T2 adjusted  $p = 0.02$   
T1 vs. T2 adjusted  $p = 0.92$



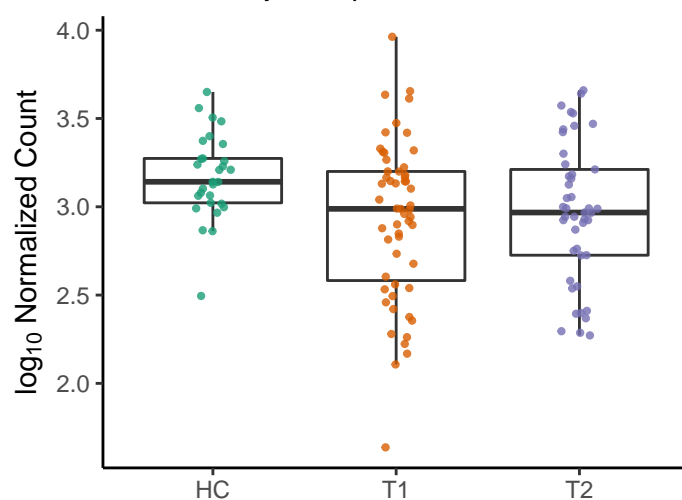
### Halomonadaceae

non-ED vs. T1 adjusted  $p = 0.007$   
non-ED vs. T2 adjusted  $p = 0.023$   
T1 vs. T2 adjusted  $p = 0.73$



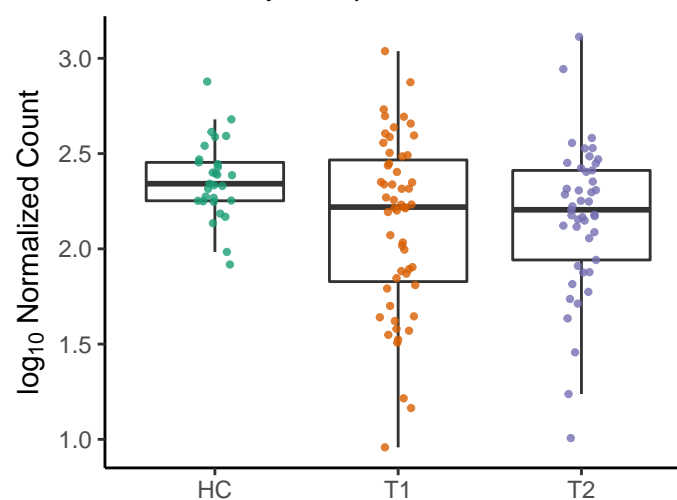
### Archangiaceae

non-ED vs. T1 adjusted  $p = 0.007$   
non-ED vs. T2 adjusted  $p = 0.024$   
T1 vs. T2 adjusted  $p = 0.73$



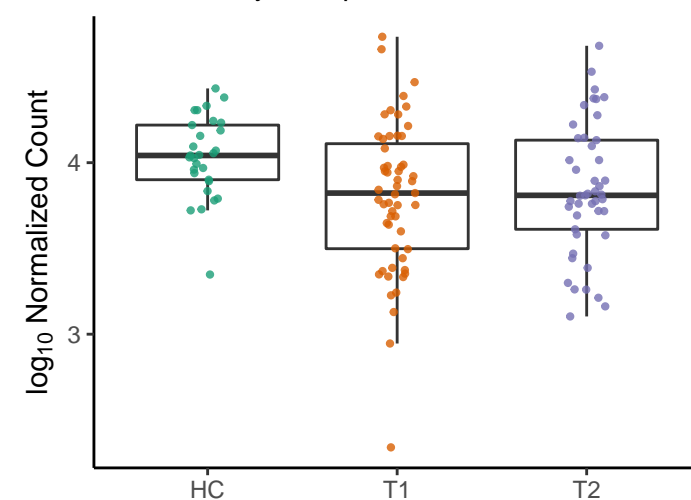
### Emcibacteraceae

non-ED vs. T1 adjusted  $p = 0.007$   
non-ED vs. T2 adjusted  $p = 0.022$   
T1 vs. T2 adjusted  $p = 0.8$



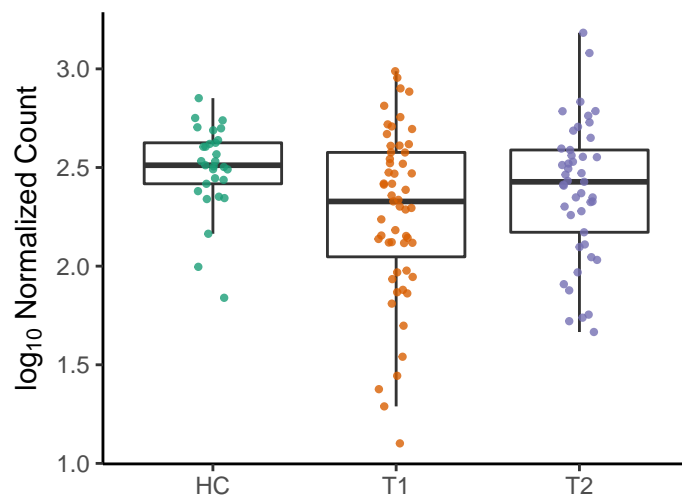
### Microbacteriaceae

non-ED vs. T1 adjusted  $p = 0.007$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 0.73$



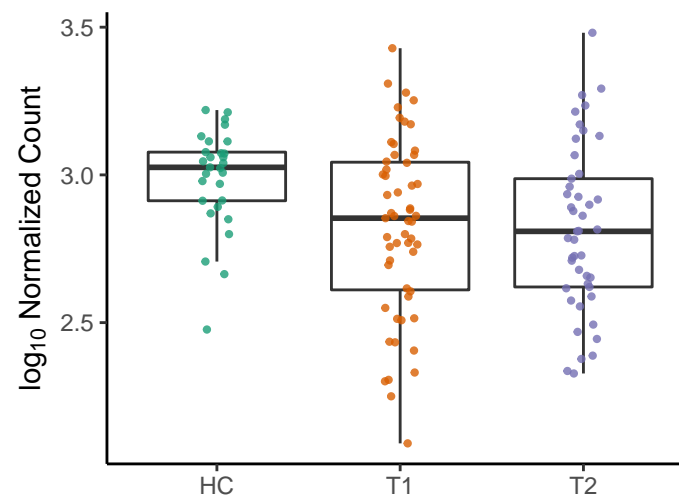
### Nakamurellaceae

non-ED vs. T1 adjusted  $p = 0.007$   
non-ED vs. T2 adjusted  $p = 0.13$   
T1 vs. T2 adjusted  $p = 0.73$



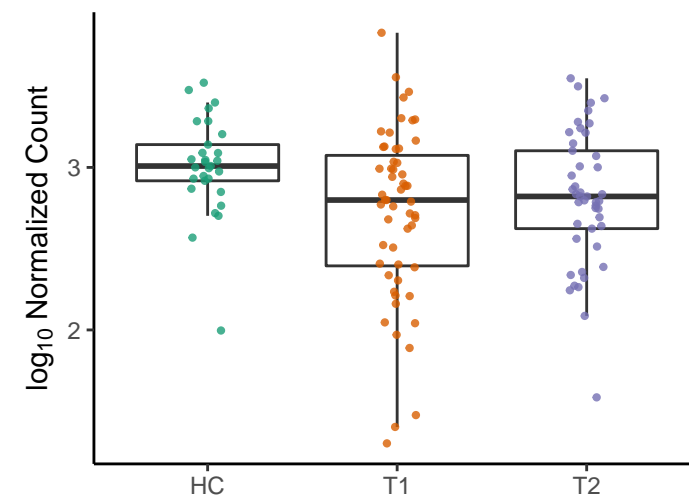
### Nectriaceae

non-ED vs. T1 adjusted  $p = 0.007$   
non-ED vs. T2 adjusted  $p = 0.014$   
T1 vs. T2 adjusted  $p = 0.97$



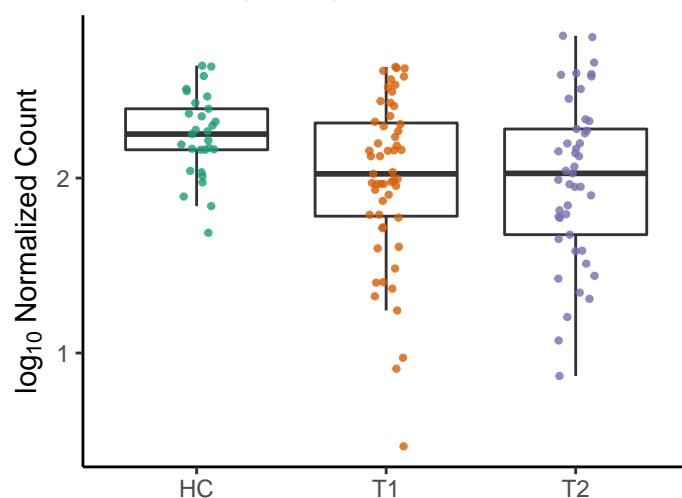
### Thermomonosporaceae

non-ED vs. T1 adjusted  $p = 0.007$   
non-ED vs. T2 adjusted  $p = 0.041$   
T1 vs. T2 adjusted  $p = 0.73$



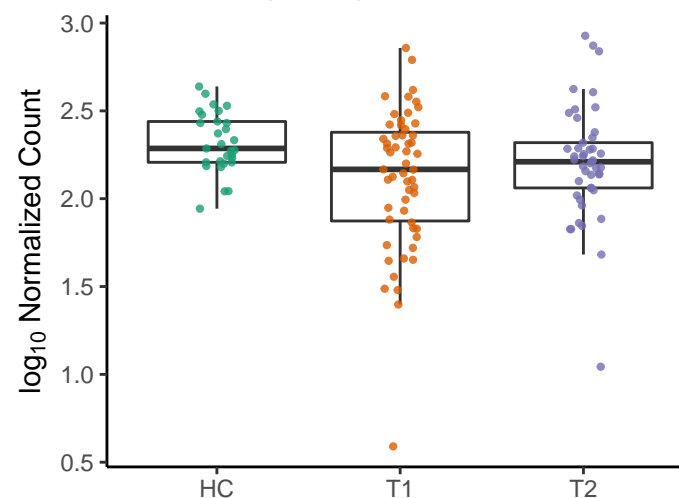
### Thioalkalispiraceae

non-ED vs. T1 adjusted  $p = 0.007$   
non-ED vs. T2 adjusted  $p = 0.017$   
T1 vs. T2 adjusted  $p = 0.89$



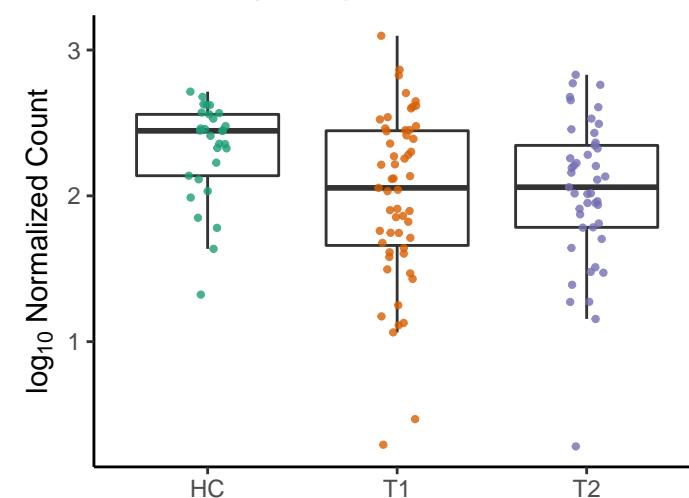
### Azonexaceae

non-ED vs. T1 adjusted  $p = 0.0073$   
non-ED vs. T2 adjusted  $p = 0.075$   
T1 vs. T2 adjusted  $p = 0.73$



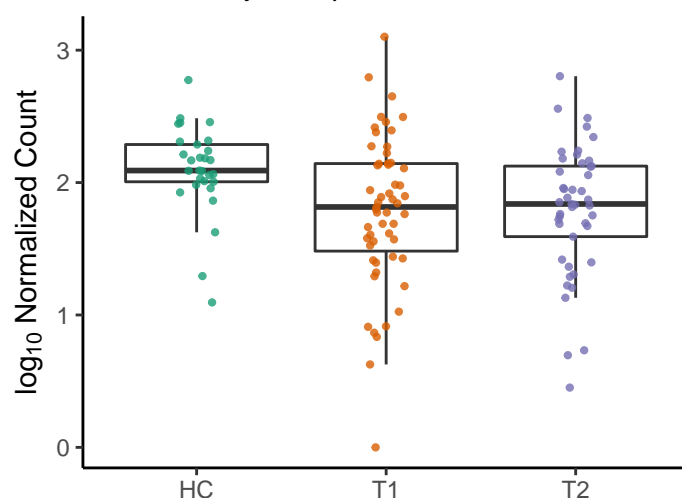
### Phycisphaeraceae

non-ED vs. T1 adjusted  $p = 0.0074$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.9$



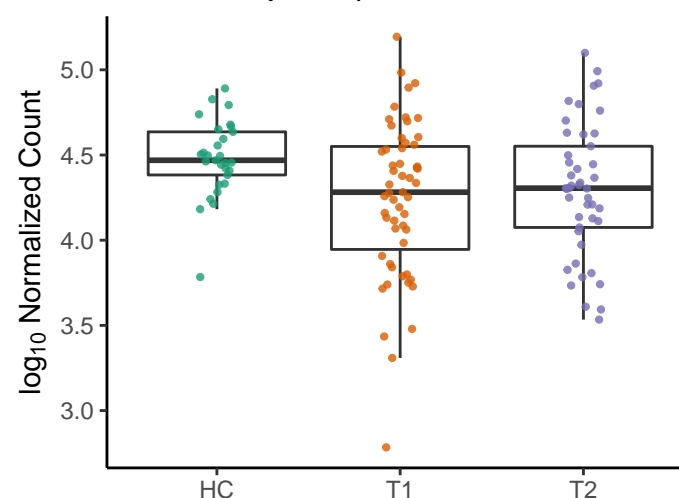
### Salinisphaeraceae

non-ED vs. T1 adjusted  $p = 0.0074$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.79$



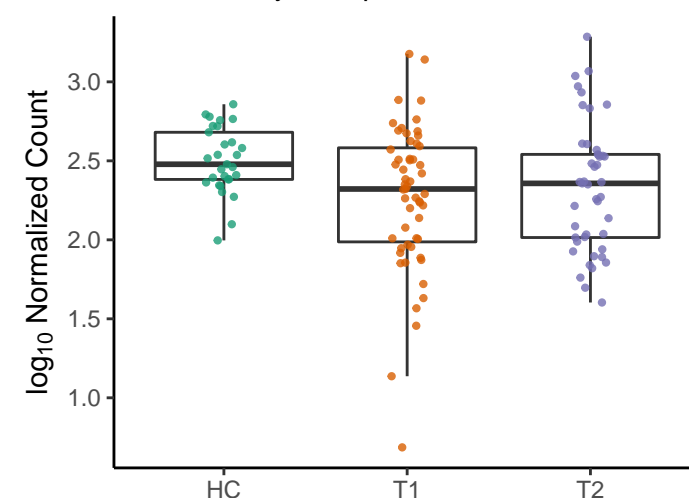
### Streptomycetaceae

non-ED vs. T1 adjusted  $p = 0.0074$   
non-ED vs. T2 adjusted  $p = 0.029$   
T1 vs. T2 adjusted  $p = 0.73$



### Unclassified Bradymonadales Order

non-ED vs. T1 adjusted  $p = 0.0074$   
non-ED vs. T2 adjusted  $p = 0.043$   
T1 vs. T2 adjusted  $p = 0.73$



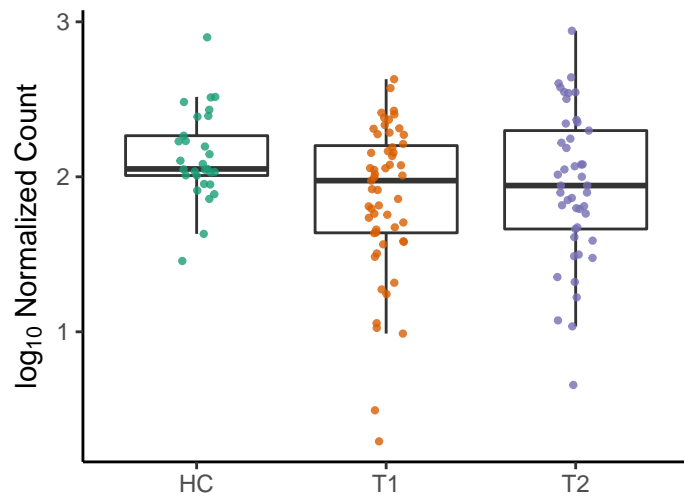


### Unclassified Propionibacteriales Order

non-ED vs. T1 adjusted  $p = 0.0074$

non-ED vs. T2 adjusted  $p = 0.058$

T1 vs. T2 adjusted  $p = 0.73$

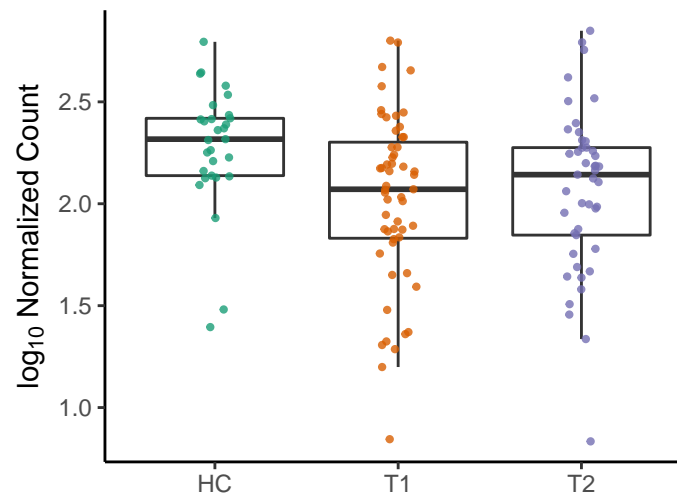


### Anaerohalospiraaceae

non-ED vs. T1 adjusted  $p = 0.0077$

non-ED vs. T2 adjusted  $p = 0.029$

T1 vs. T2 adjusted  $p = 0.73$

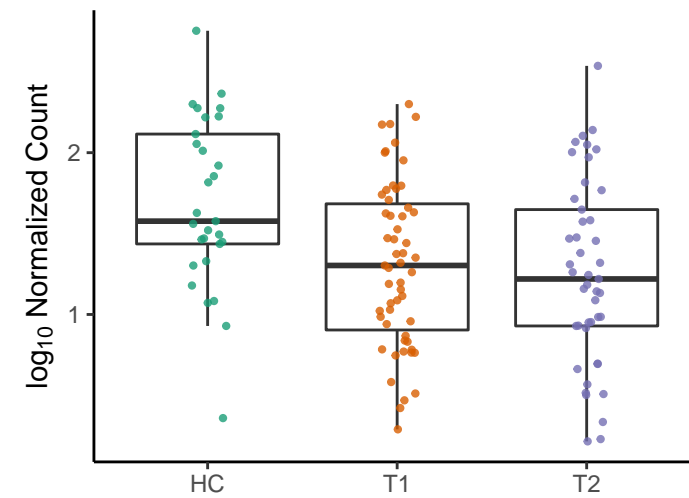


### Ferroplasmaceae

non-ED vs. T1 adjusted  $p = 0.0077$

non-ED vs. T2 adjusted  $p = 0.013$

T1 vs. T2 adjusted  $p = 0.98$

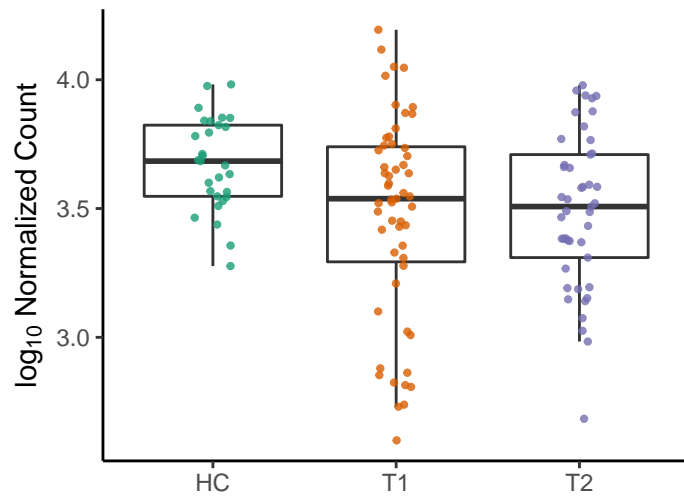


### Hymenobacteraceae

non-ED vs. T1 adjusted  $p = 0.0077$

non-ED vs. T2 adjusted  $p = 0.015$

T1 vs. T2 adjusted  $p = 0.82$

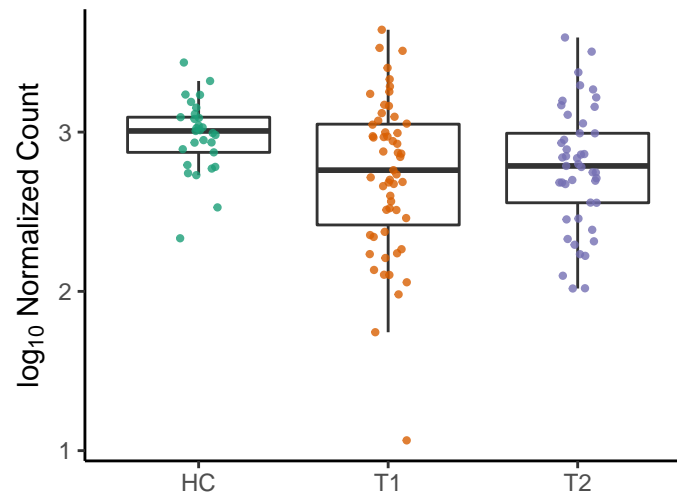


### Nocardiopsaceae

non-ED vs. T1 adjusted  $p = 0.0079$

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

T1 vs. T2 adjusted  $p = 0.73$

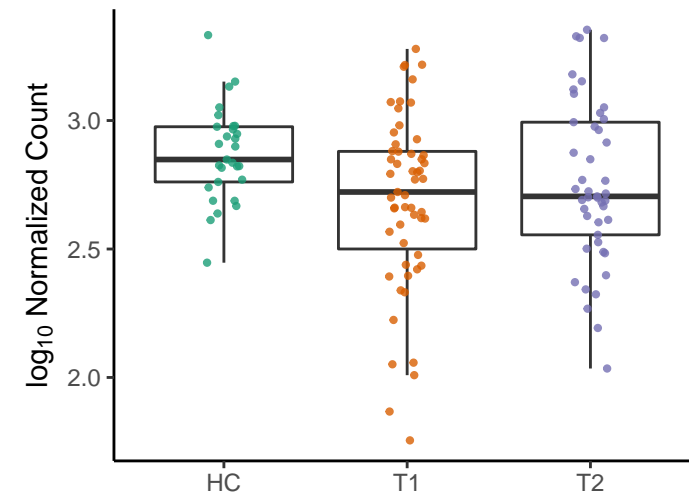


### Thermoactinomycetaceae

non-ED vs. T1 adjusted  $p = 0.0079$

non-ED vs. T2 adjusted  $p = 0.086$

T1 vs. T2 adjusted  $p = 0.73$

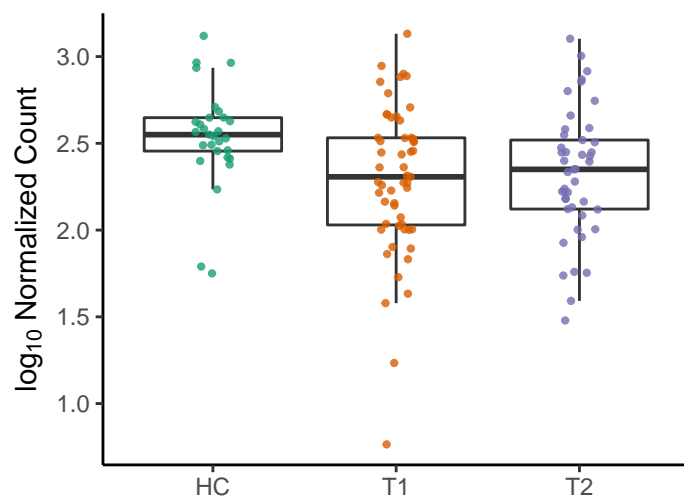


### Roseiflexaceae

non-ED vs. T1 adjusted  $p = 0.008$

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

T1 vs. T2 adjusted  $p = 0.73$

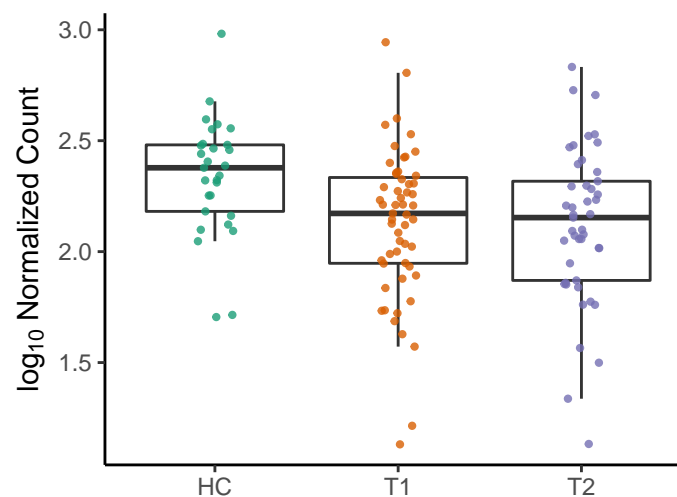


### Kosmotogaceae

non-ED vs. T1 adjusted  $p = 0.0081$

non-ED vs. T2 adjusted  $p = 0.016$

T1 vs. T2 adjusted  $p = 0.91$

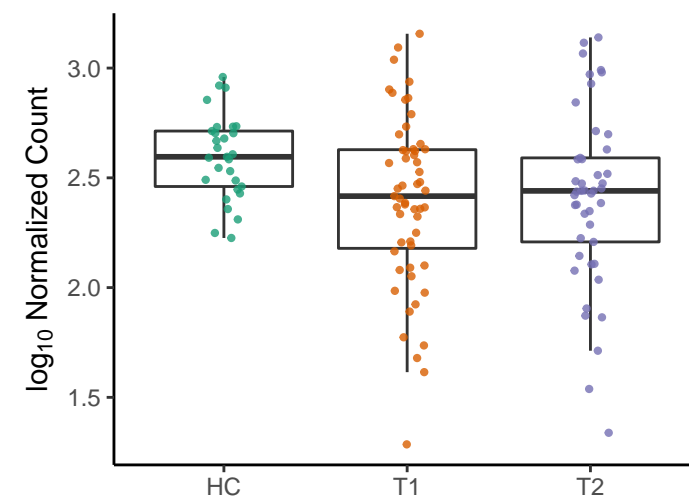


### Syntrophobacteraceae

non-ED vs. T1 adjusted  $p = 0.0082$

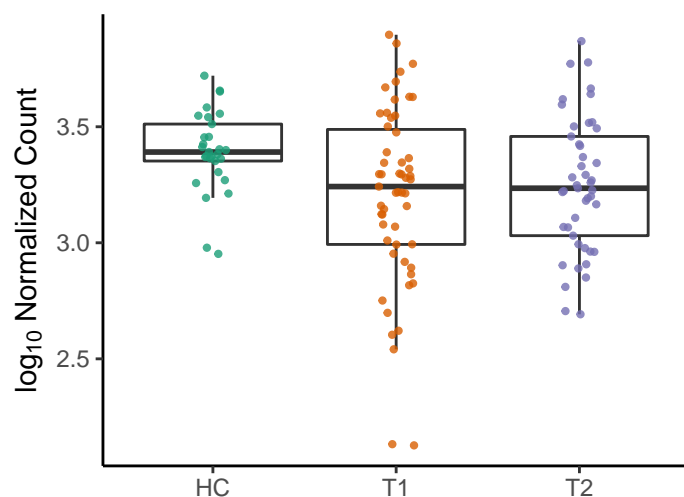
non-ED vs. T2 adjusted  $p = 0.028$

T1 vs. T2 adjusted  $p = 0.84$



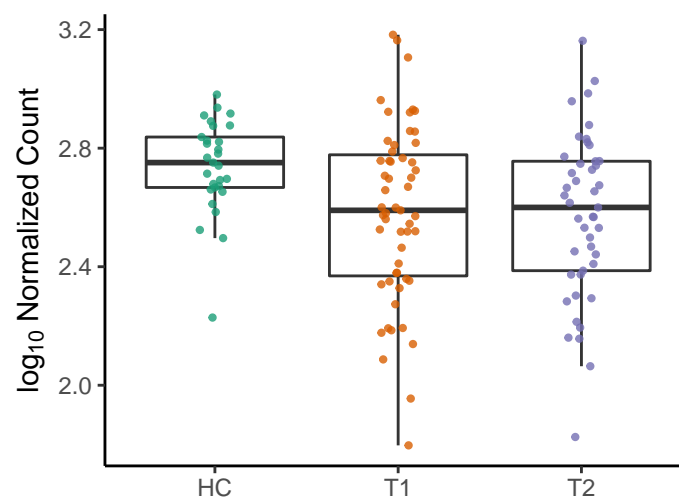
### Desulfobacteraceae

non-ED vs. T1 adjusted  $p = 0.0083$   
non-ED vs. T2 adjusted  $p = 0.026$   
T1 vs. T2 adjusted  $p = 0.73$



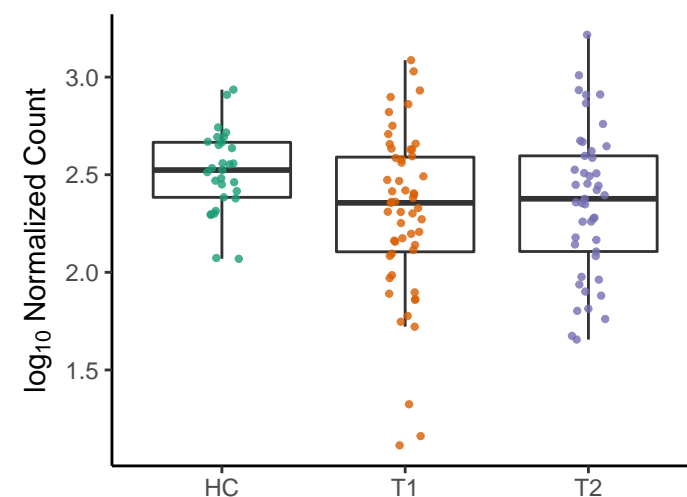
### Thermotogaceae

non-ED vs. T1 adjusted  $p = 0.0083$   
non-ED vs. T2 adjusted  $p = 0.014$   
T1 vs. T2 adjusted  $p = 1$



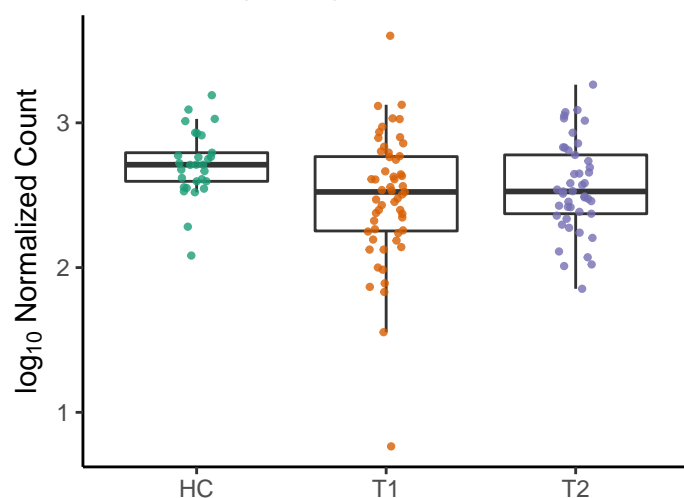
### Acidiferrobacteraceae

non-ED vs. T1 adjusted  $p = 0.0083$   
non-ED vs. T2 adjusted  $p = 0.044$   
T1 vs. T2 adjusted  $p = 0.73$



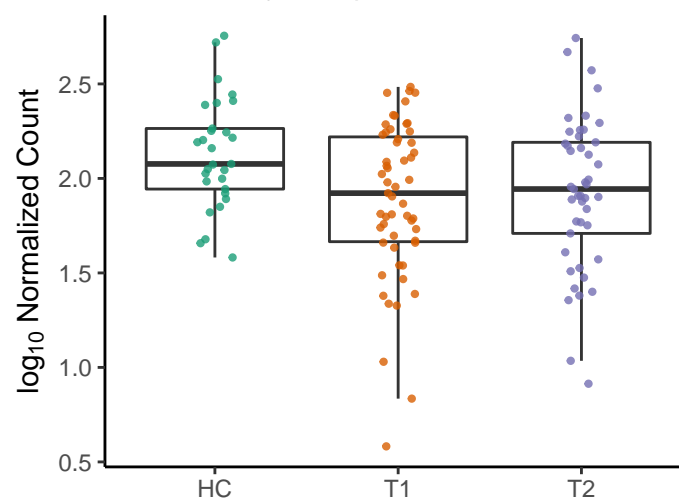
### Beijerinckiaceae

non-ED vs. T1 adjusted  $p = 0.0083$   
non-ED vs. T2 adjusted  $p = 0.035$   
T1 vs. T2 adjusted  $p = 0.73$



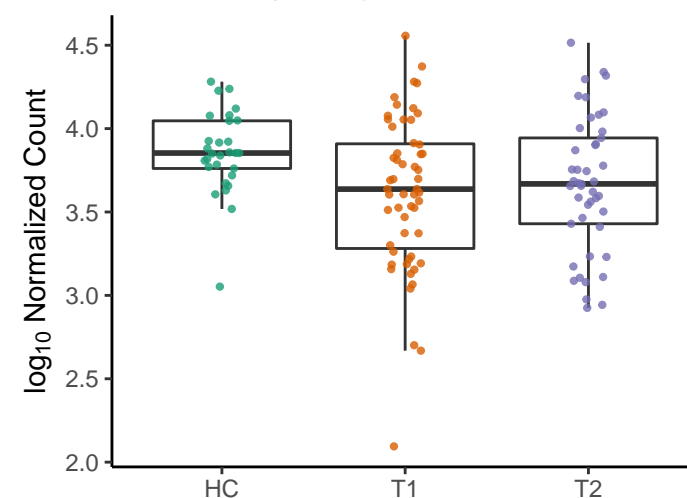
### Dipodascaceae

non-ED vs. T1 adjusted  $p = 0.0083$   
non-ED vs. T2 adjusted  $p = 0.031$   
T1 vs. T2 adjusted  $p = 0.73$



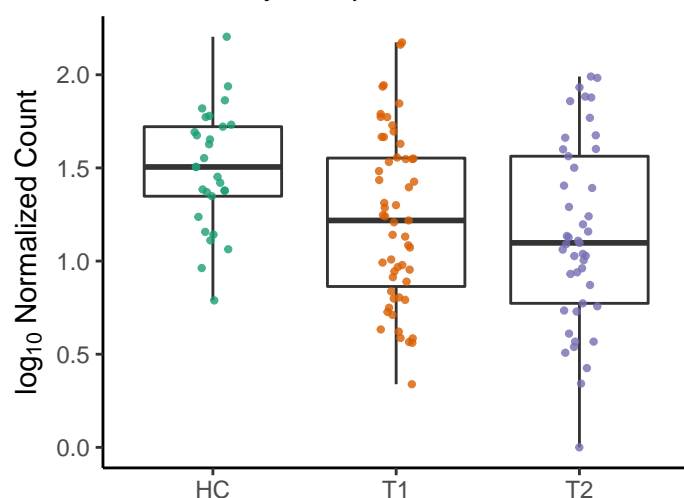
### Pseudonocardiaceae

non-ED vs. T1 adjusted  $p = 0.0084$   
non-ED vs. T2 adjusted  $p = 0.031$   
T1 vs. T2 adjusted  $p = 0.73$



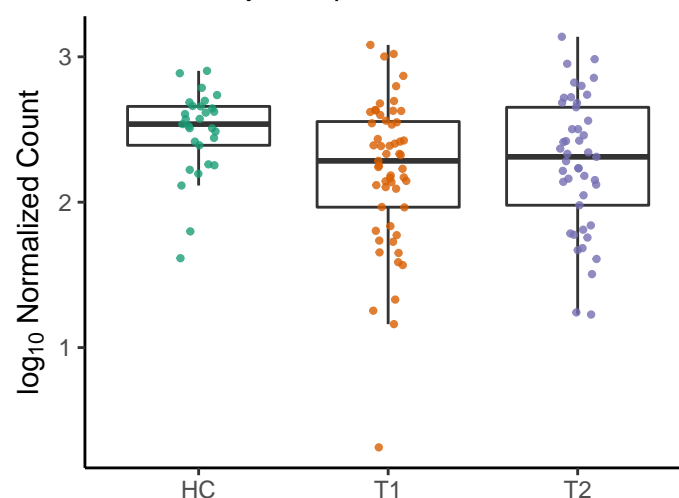
### Candidatus Midichloriaceae

non-ED vs. T1 adjusted  $p = 0.0085$   
non-ED vs. T2 adjusted  $p = 0.0086$   
T1 vs. T2 adjusted  $p = 0.73$



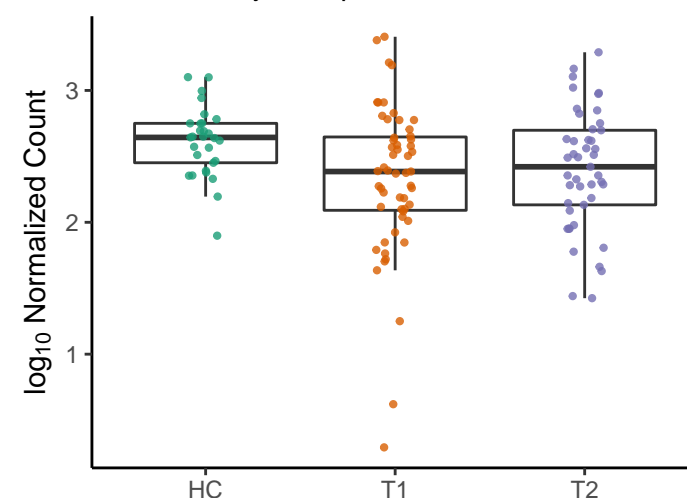
### Desulfarculaceae

non-ED vs. T1 adjusted  $p = 0.0085$   
non-ED vs. T2 adjusted  $p = 0.035$   
T1 vs. T2 adjusted  $p = 0.73$



### Bogoriellaceae

non-ED vs. T1 adjusted  $p = 0.0085$   
non-ED vs. T2 adjusted  $p = 0.029$   
T1 vs. T2 adjusted  $p = 0.73$

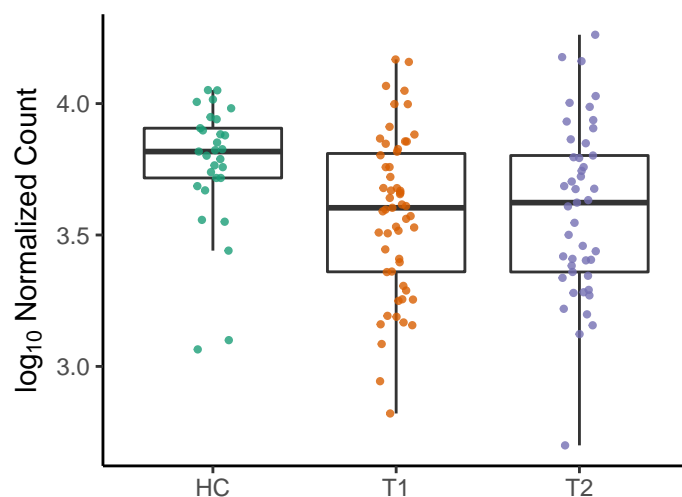


### Hungateiclostridiaceae

non-ED vs. T1 adjusted  $p = 0.0086$

non-ED vs. T2 adjusted  $p = 0.029$

T1 vs. T2 adjusted  $p = 0.85$

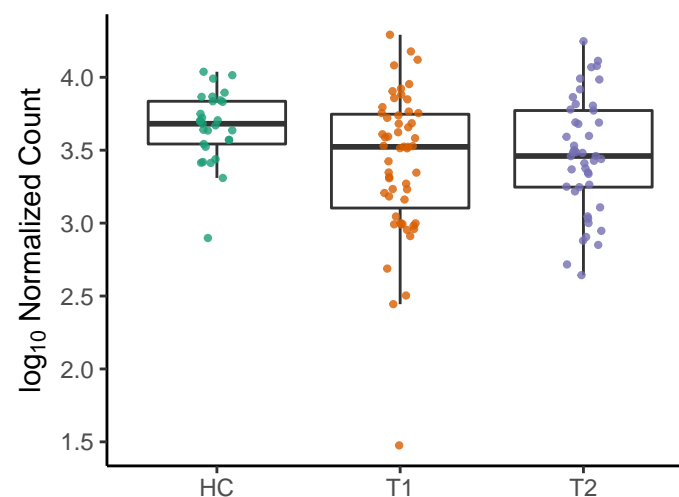


### Nocardioidaceae

non-ED vs. T1 adjusted  $p = 0.0086$

non-ED vs. T2 adjusted  $p = 0.027$

T1 vs. T2 adjusted  $p = 0.73$

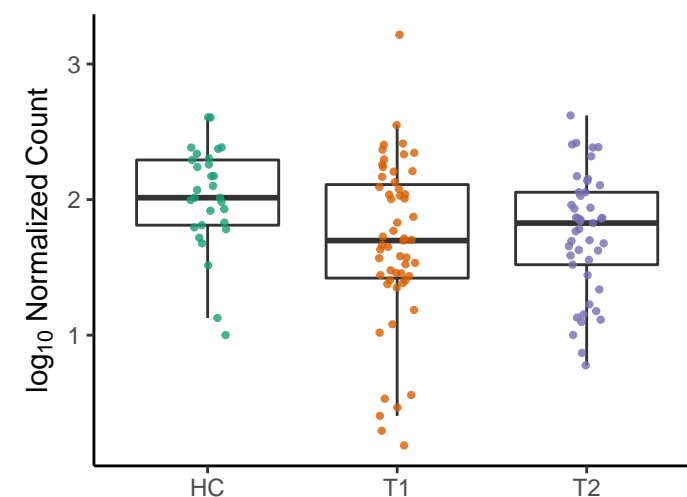


### Segniliparaceae

non-ED vs. T1 adjusted  $p = 0.0086$

non-ED vs. T2 adjusted  $p = 0.023$

T1 vs. T2 adjusted  $p = 0.73$

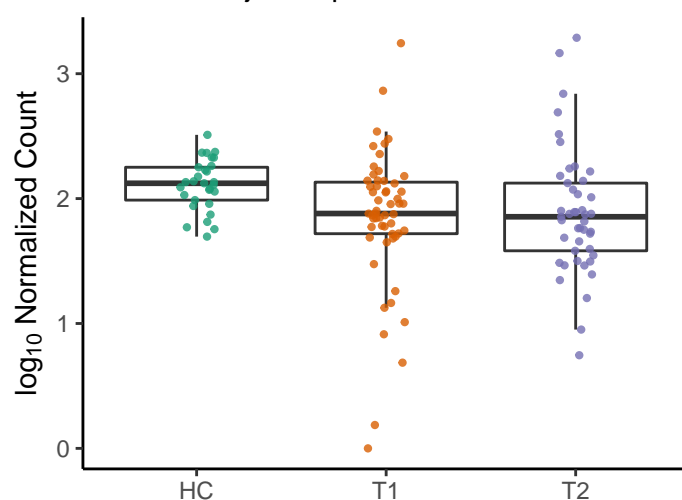


### Unclassified Haloferacales Order

non-ED vs. T1 adjusted  $p = 0.0086$

non-ED vs. T2 adjusted  $p = 0.027$

T1 vs. T2 adjusted  $p = 0.8$

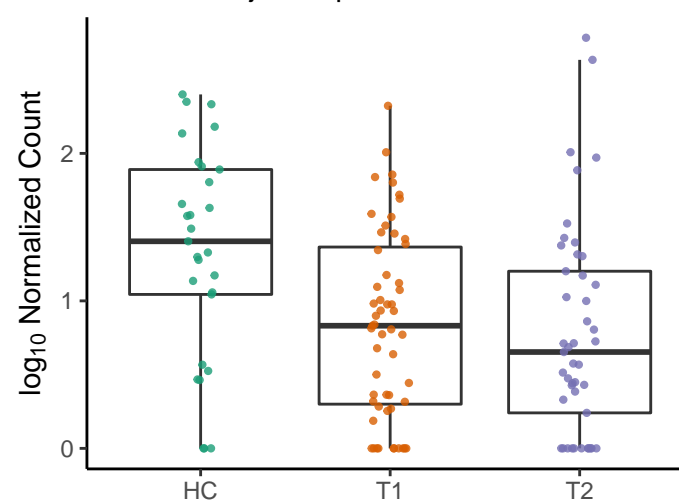


### Unclassified Chroococcales Order

non-ED vs. T1 adjusted  $p = 0.0088$

non-ED vs. T2 adjusted  $p = 0.015$

T1 vs. T2 adjusted  $p = 0.79$

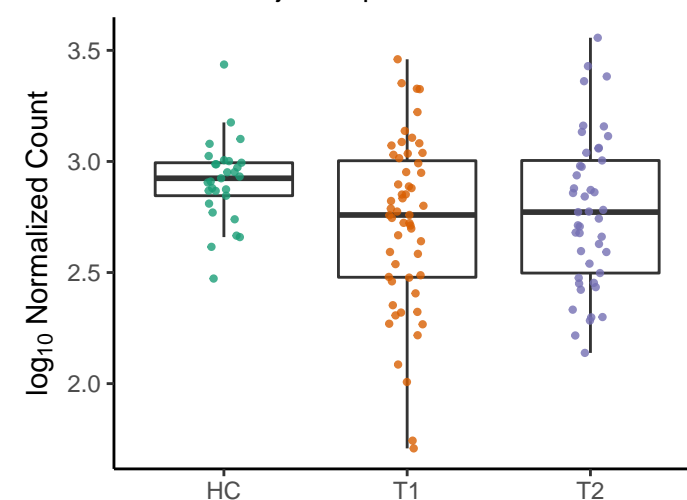


### Anaerolineaceae

non-ED vs. T1 adjusted  $p = 0.0088$

non-ED vs. T2 adjusted  $p = 0.05$

T1 vs. T2 adjusted  $p = 0.73$

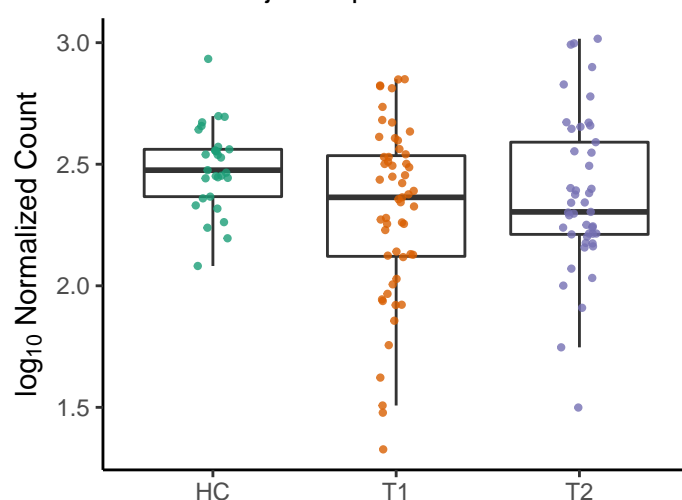


### Dermatophilaceae

non-ED vs. T1 adjusted  $p = 0.0088$

non-ED vs. T2 adjusted  $p = 0.085$

T1 vs. T2 adjusted  $p = 0.73$

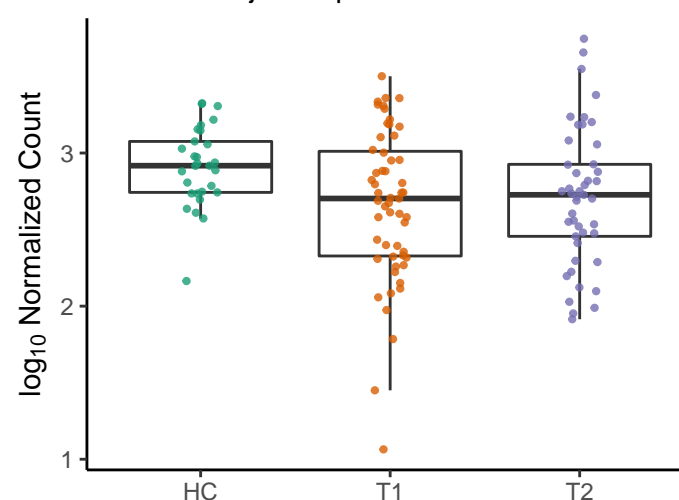


### Anaeromyxobacteraceae

non-ED vs. T1 adjusted  $p = 0.0089$

non-ED vs. T2 adjusted  $p = 0.036$

T1 vs. T2 adjusted  $p = 0.73$

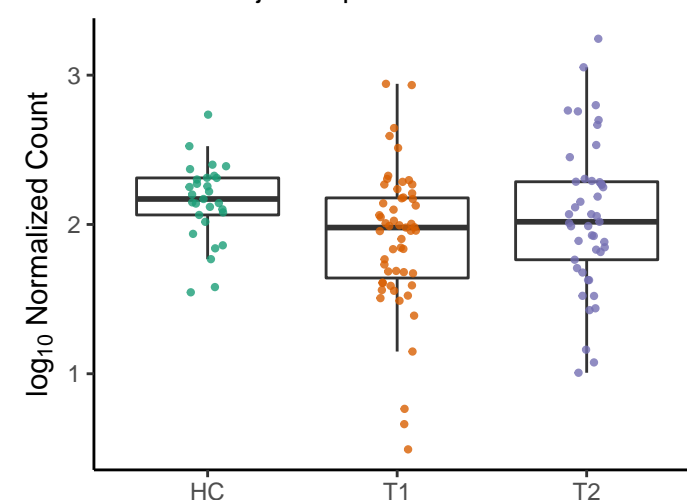


### Fimbriimonadaceae

non-ED vs. T1 adjusted  $p = 0.0089$

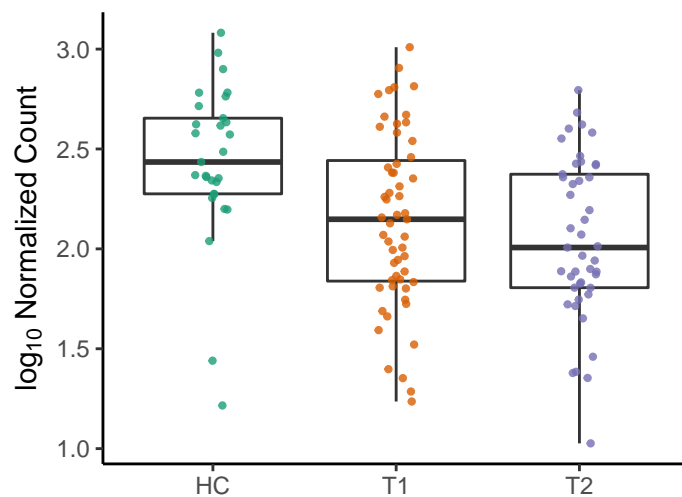
non-ED vs. T2 adjusted  $p = 0.28$

T1 vs. T2 adjusted  $p = 0.73$



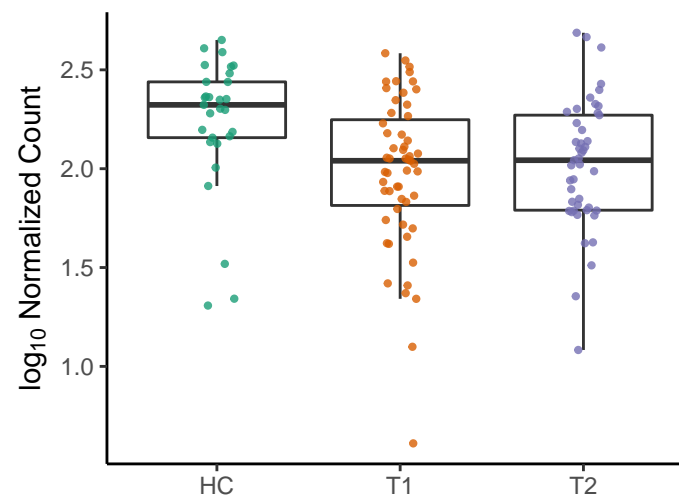
### Gottschalkiaceae

non-ED vs. T1 adjusted  $p = 0.0089$   
non-ED vs. T2 adjusted  $p = 0.0047$   
T1 vs. T2 adjusted  $p = 0.73$



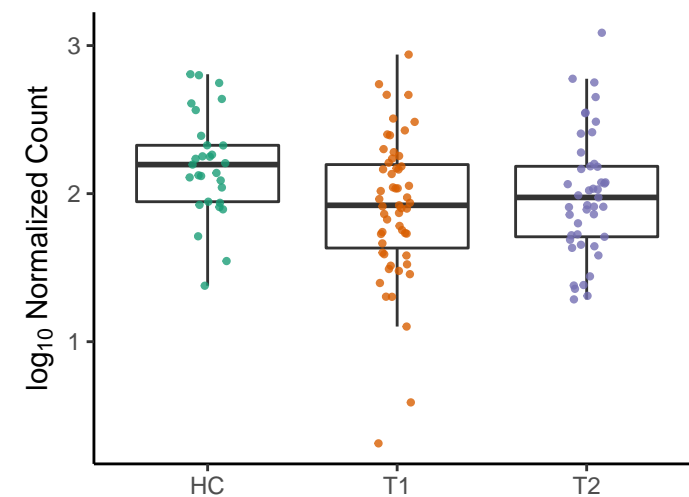
### Parachlamydiaceae

non-ED vs. T1 adjusted  $p = 0.0089$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 0.88$



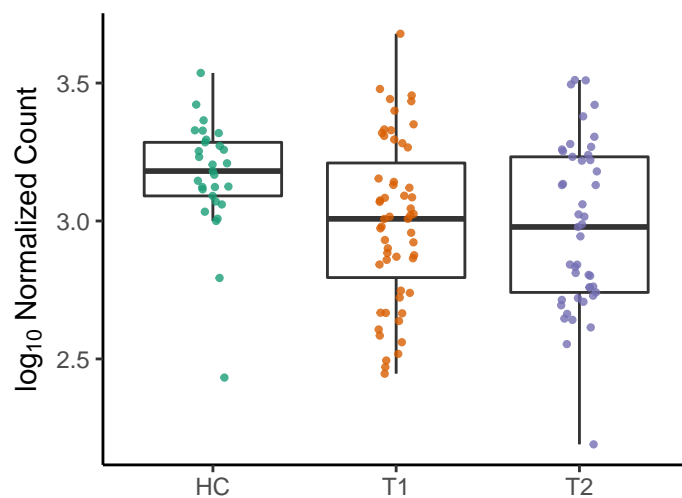
### Kiritimatiellaceae

non-ED vs. T1 adjusted  $p = 0.0092$   
non-ED vs. T2 adjusted  $p = 0.052$   
T1 vs. T2 adjusted  $p = 0.73$



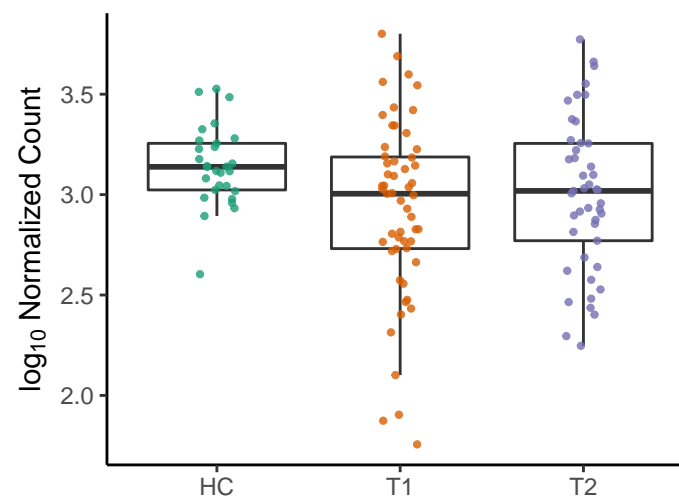
### Nostocaceae

non-ED vs. T1 adjusted  $p = 0.0093$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.97$



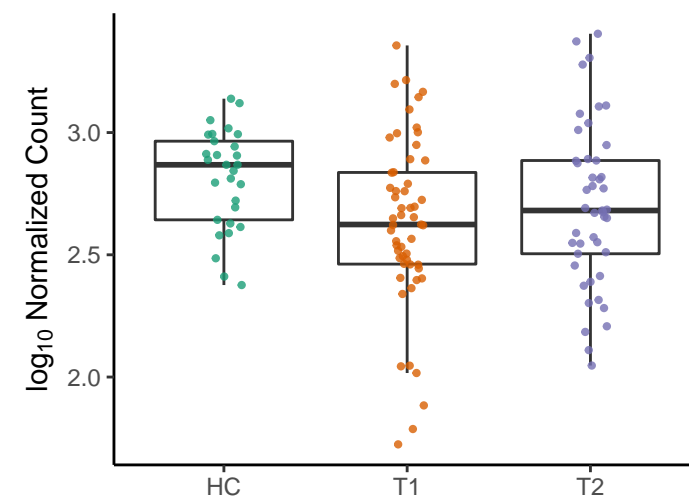
### Streptosporangiaceae

non-ED vs. T1 adjusted  $p = 0.0093$   
non-ED vs. T2 adjusted  $p = 0.058$   
T1 vs. T2 adjusted  $p = 0.73$



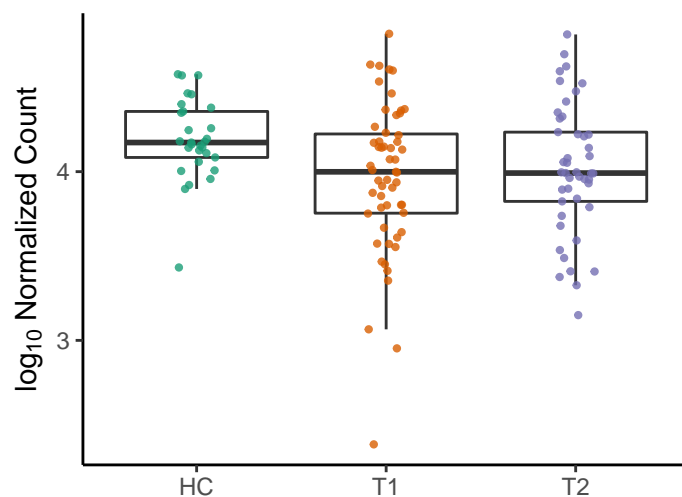
### Pyriculariaceae

non-ED vs. T1 adjusted  $p = 0.0094$   
non-ED vs. T2 adjusted  $p = 0.11$   
T1 vs. T2 adjusted  $p = 0.73$



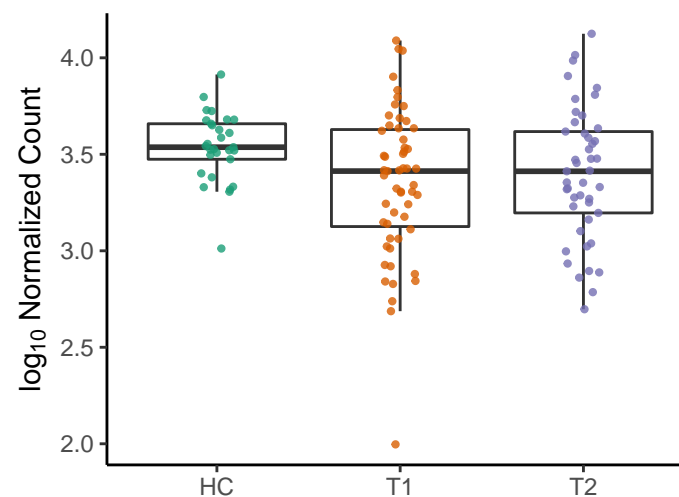
### Unclassified Actinobacteria Class

non-ED vs. T1 adjusted  $p = 0.0094$   
non-ED vs. T2 adjusted  $p = 0.036$   
T1 vs. T2 adjusted  $p = 0.73$



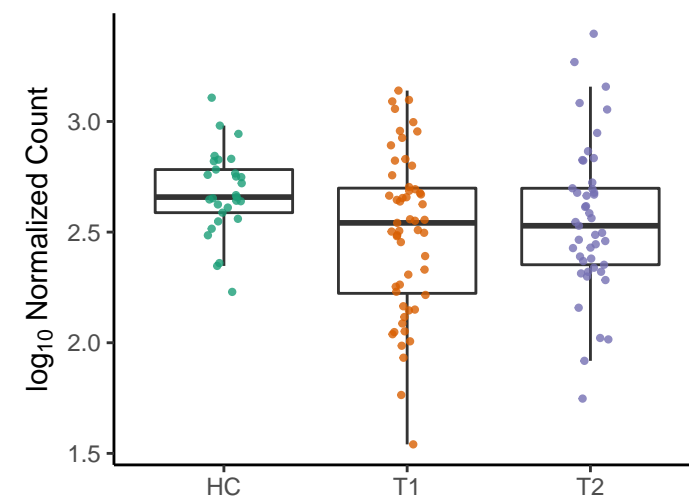
### Aeromonadaceae

non-ED vs. T1 adjusted  $p = 0.0096$   
non-ED vs. T2 adjusted  $p = 0.044$   
T1 vs. T2 adjusted  $p = 0.73$



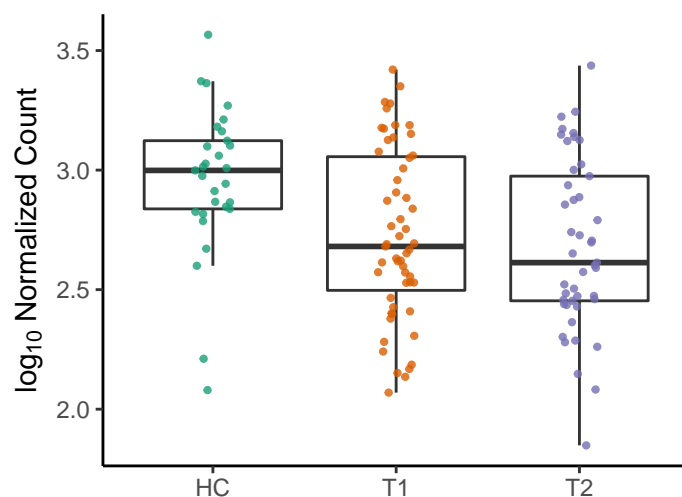
### Hyphomonadaceae

non-ED vs. T1 adjusted  $p = 0.0096$   
non-ED vs. T2 adjusted  $p = 0.075$   
T1 vs. T2 adjusted  $p = 0.73$



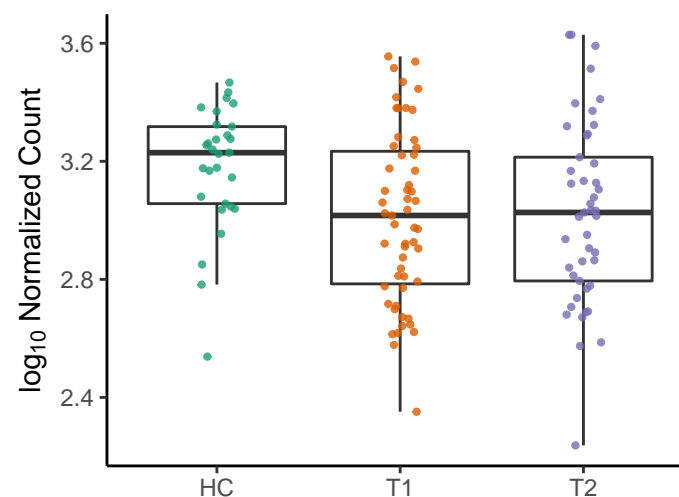
### Acholeplasmataceae

non-ED vs. T1 adjusted  $p = 0.01$   
non-ED vs. T2 adjusted  $p = 0.011$   
T1 vs. T2 adjusted  $p = 0.75$



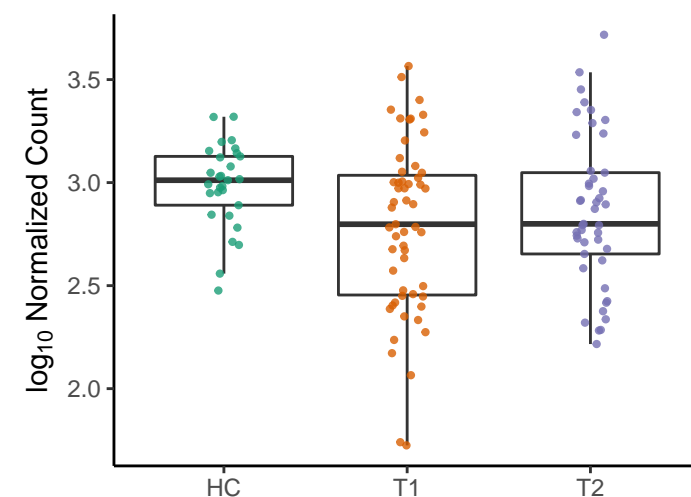
### Helicobacteraceae

non-ED vs. T1 adjusted  $p = 0.01$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 1$



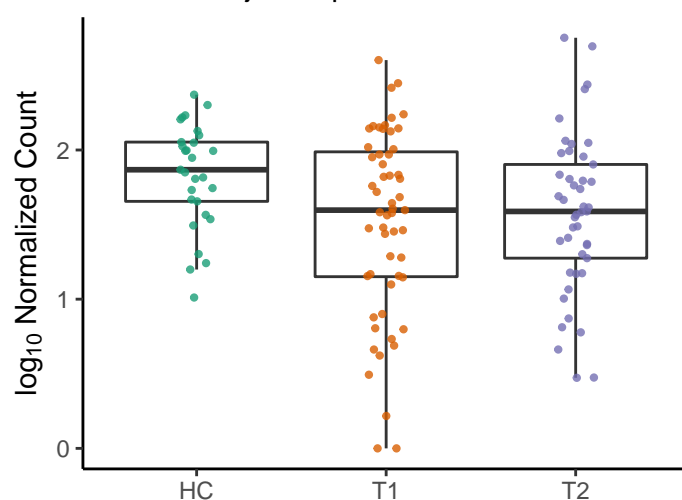
### Natrialbaceae

non-ED vs. T1 adjusted  $p = 0.01$   
non-ED vs. T2 adjusted  $p = 0.083$   
T1 vs. T2 adjusted  $p = 0.73$



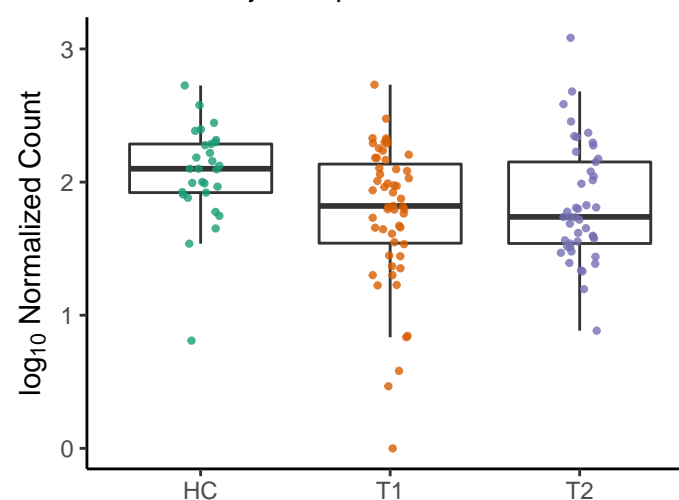
### Unclassified Rhodospirillales Order

non-ED vs. T1 adjusted  $p = 0.01$   
non-ED vs. T2 adjusted  $p = 0.031$   
T1 vs. T2 adjusted  $p = 0.73$



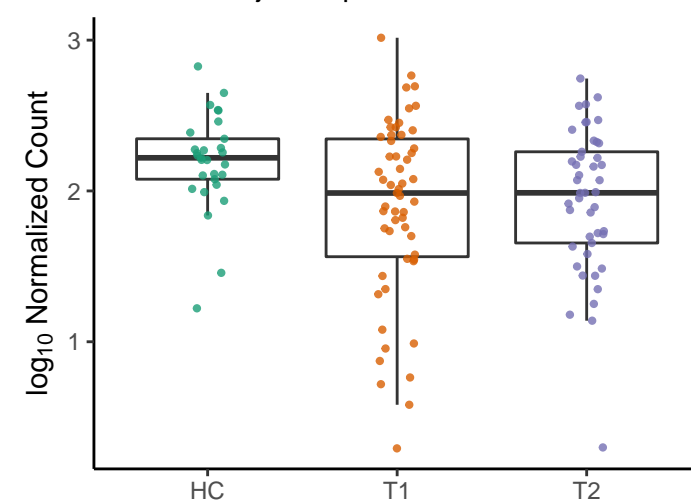
### Unclassified Thermoplasmata Class

non-ED vs. T1 adjusted  $p = 0.01$   
non-ED vs. T2 adjusted  $p = 0.033$   
T1 vs. T2 adjusted  $p = 0.73$



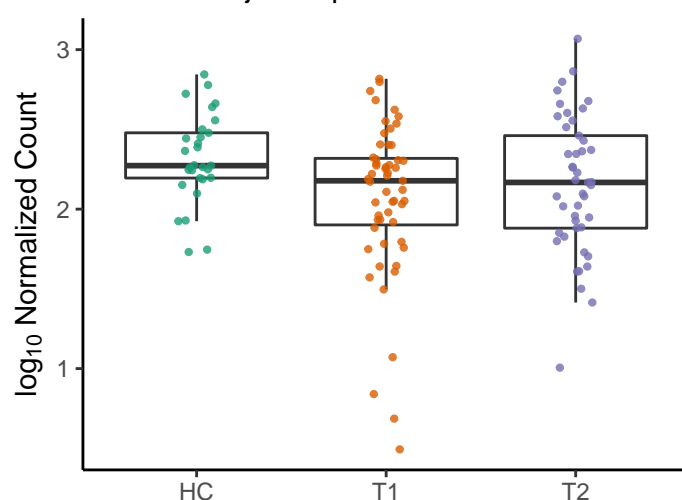
### Immundisolibacteraceae

non-ED vs. T1 adjusted  $p = 0.01$   
non-ED vs. T2 adjusted  $p = 0.024$   
T1 vs. T2 adjusted  $p = 0.73$



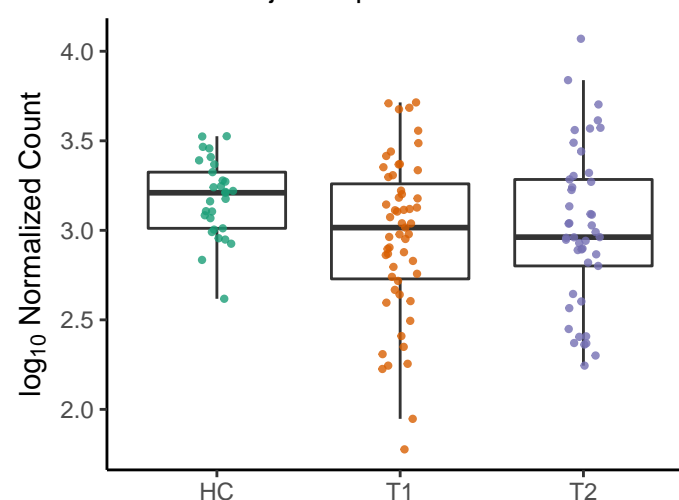
### Unclassified Halobacteria Class

non-ED vs. T1 adjusted  $p = 0.01$   
non-ED vs. T2 adjusted  $p = 0.078$   
T1 vs. T2 adjusted  $p = 0.73$



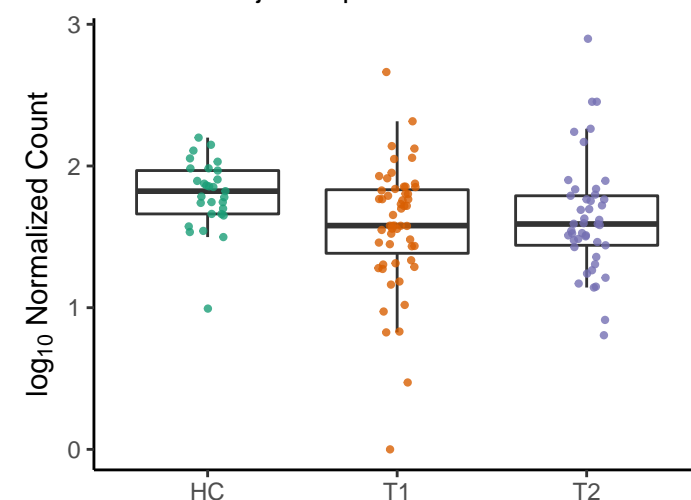
### Polyangiaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.057$   
T1 vs. T2 adjusted  $p = 0.73$



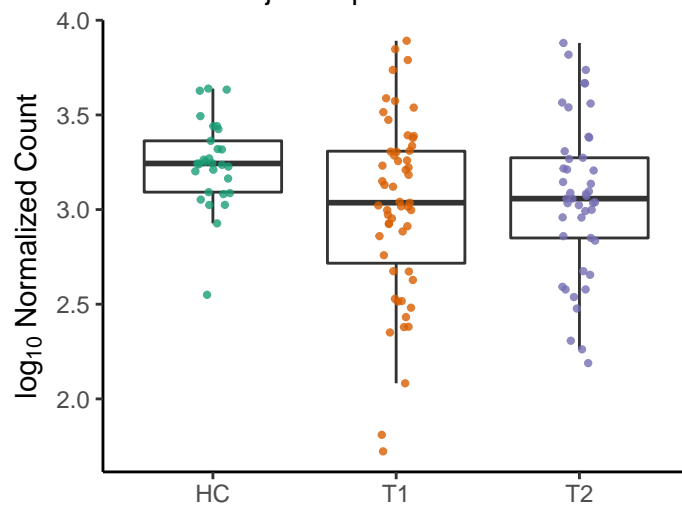
### Methanospirillaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.053$   
T1 vs. T2 adjusted  $p = 0.82$



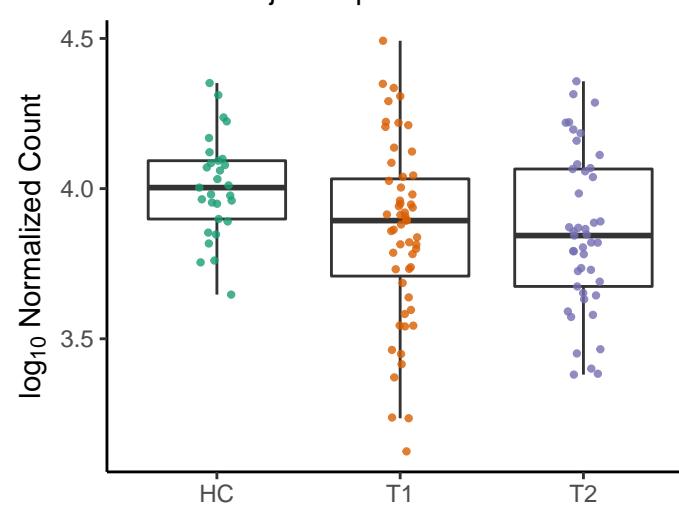
### Myxococcaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.035$   
T1 vs. T2 adjusted  $p = 0.73$



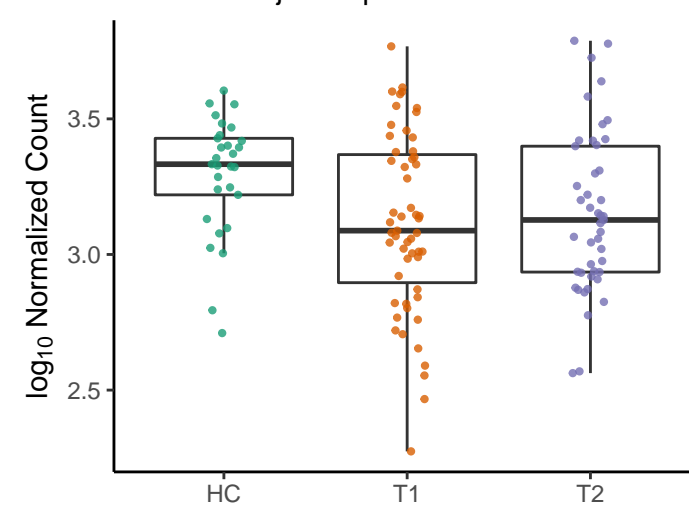
### Unclassified Gammaproteobacteria Cla

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.016$   
T1 vs. T2 adjusted  $p = 0.79$



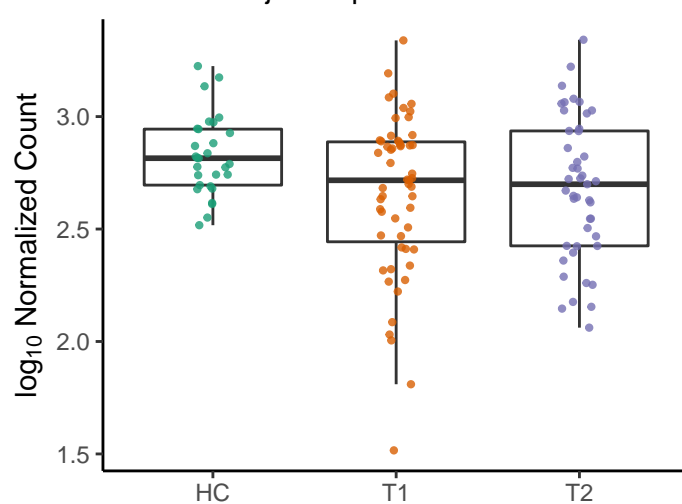
### Unclassified Clostridia Class

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.04$   
T1 vs. T2 adjusted  $p = 0.79$



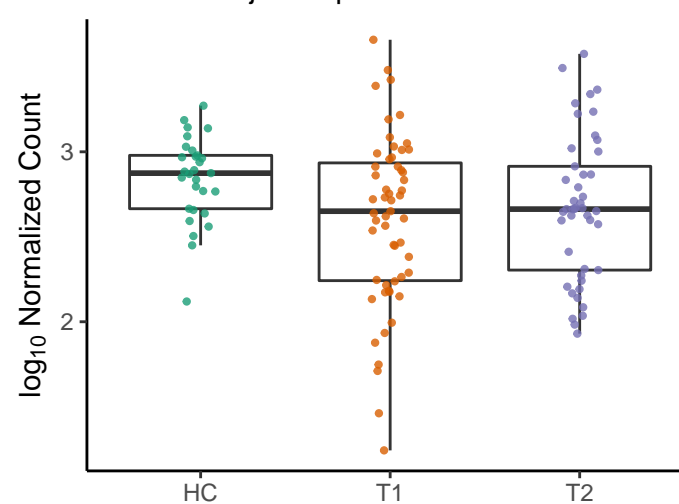
### Desulfobulbaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.032$   
T1 vs. T2 adjusted  $p = 0.84$



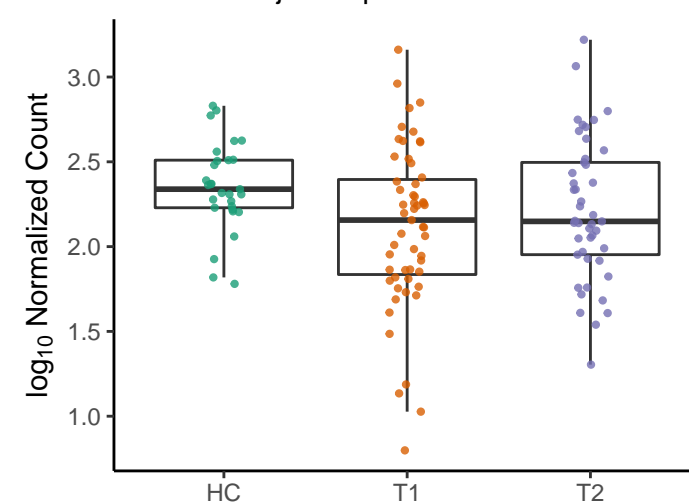
### Symbiobacteriaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.053$   
T1 vs. T2 adjusted  $p = 0.73$



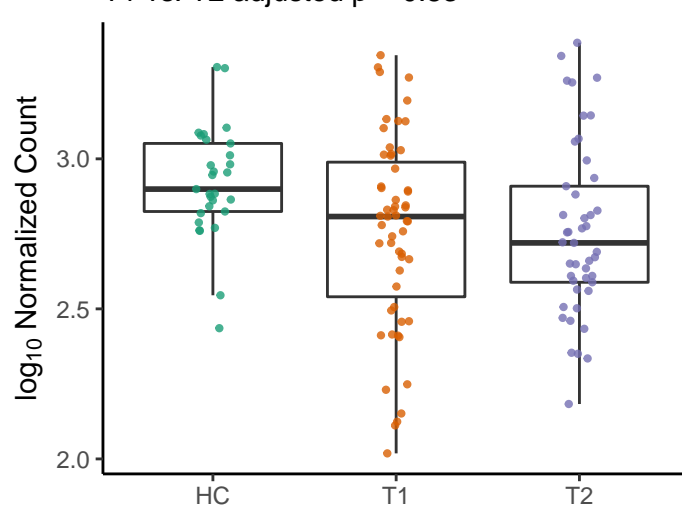
### Vicinamibacteraceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.11$   
T1 vs. T2 adjusted  $p = 0.73$



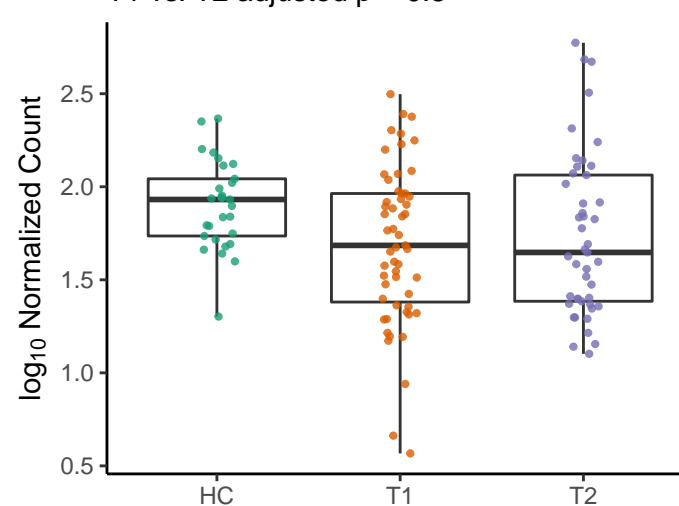
### Microbulbiferaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.018$   
T1 vs. T2 adjusted  $p = 0.83$



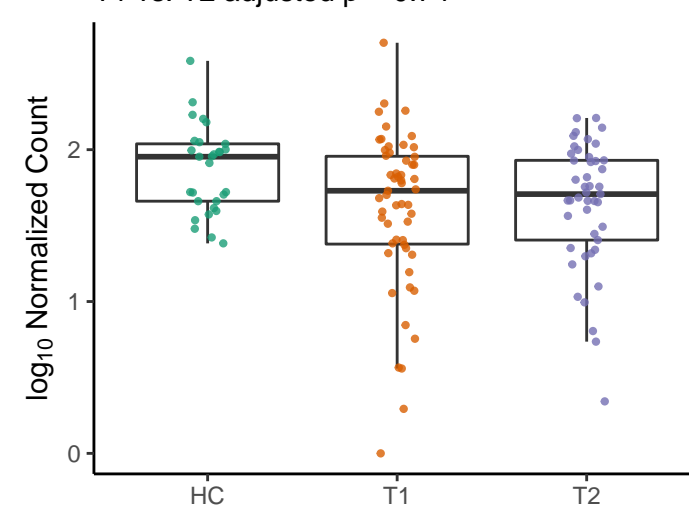
### Chthonomonadaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.06$   
T1 vs. T2 adjusted  $p = 0.8$



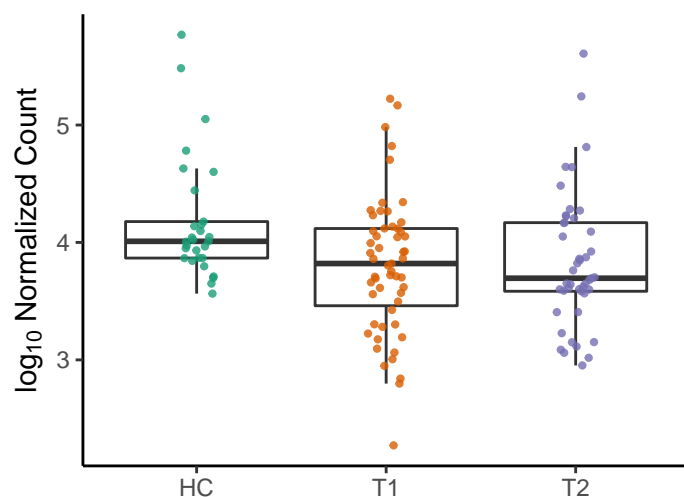
### Acidilobaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.023$   
T1 vs. T2 adjusted  $p = 0.74$



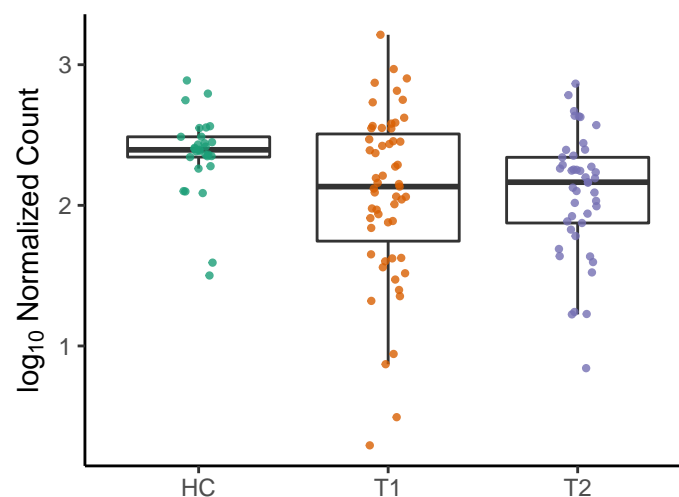
### Desulfovibrionaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 0.88$



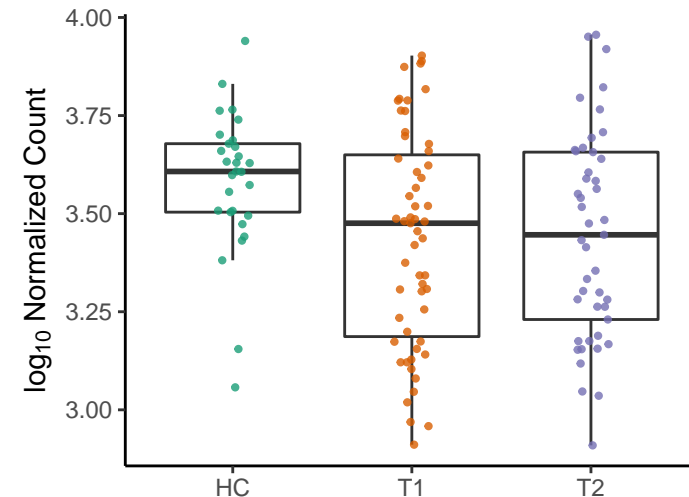
### Euzebyaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.014$   
T1 vs. T2 adjusted  $p = 0.92$



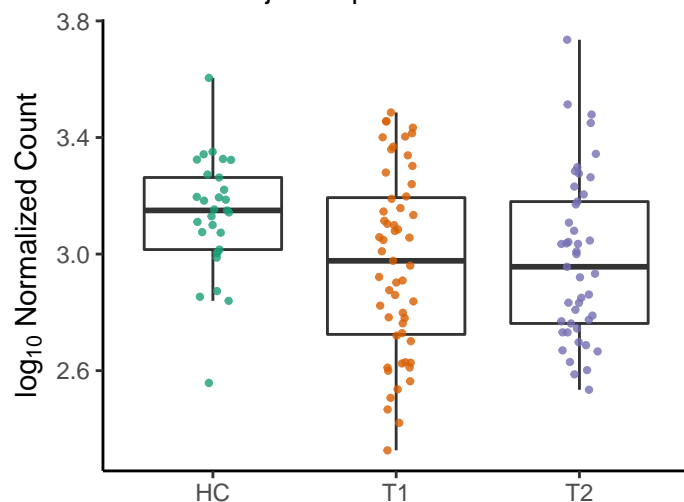
### Moraxellaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 0.95$



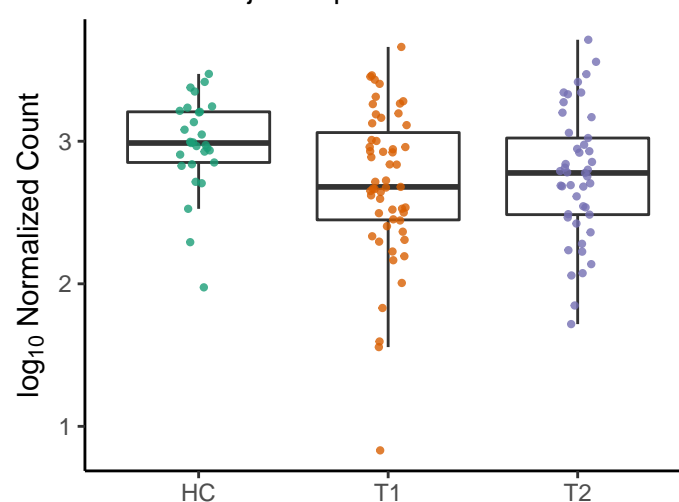
### Pseudoalteromonadaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.026$   
T1 vs. T2 adjusted  $p = 0.95$



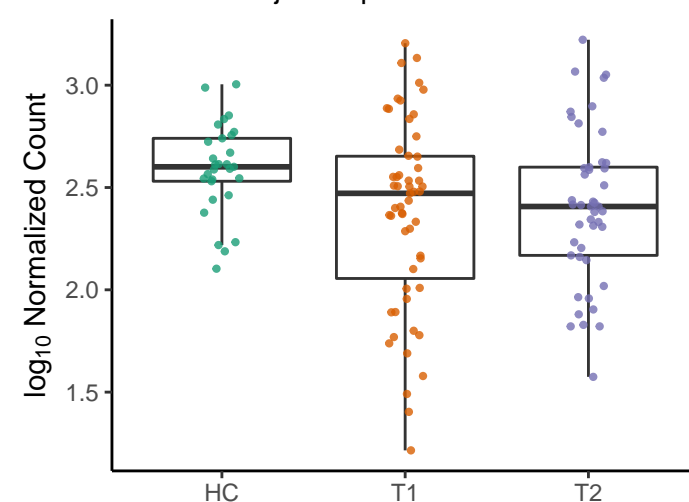
### Promicromonosporaceae

non-ED vs. T1 adjusted  $p = 0.012$   
non-ED vs. T2 adjusted  $p = 0.035$   
T1 vs. T2 adjusted  $p = 0.73$



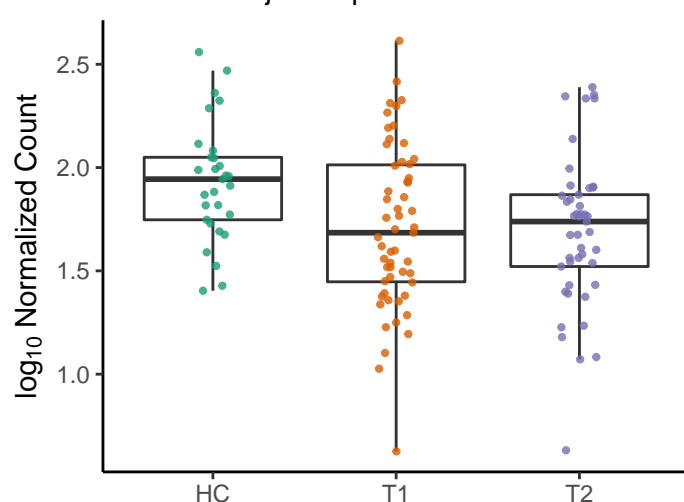
### Gloeobacteraceae

non-ED vs. T1 adjusted  $p = 0.012$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 0.79$



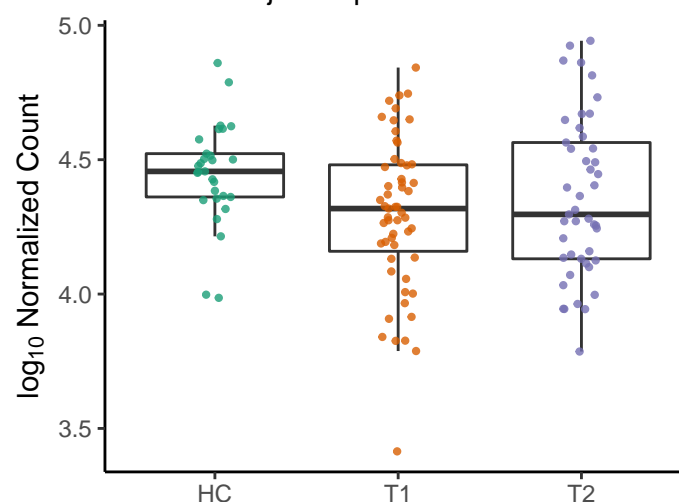
### Desulfurococcaceae

non-ED vs. T1 adjusted  $p = 0.012$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.89$



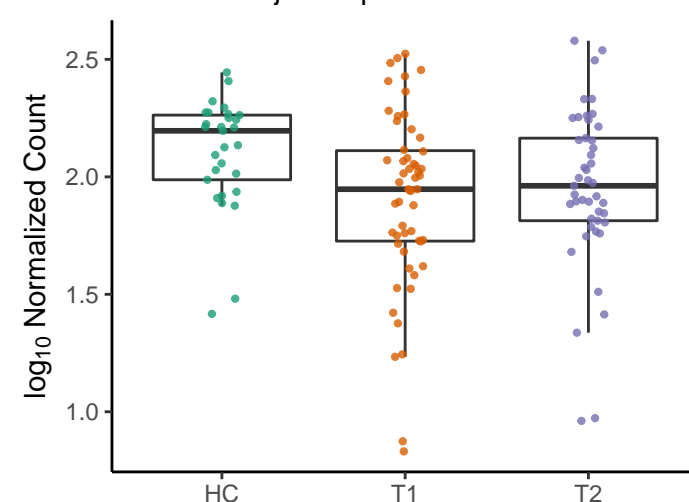
### Paenibacillaceae

non-ED vs. T1 adjusted  $p = 0.012$   
non-ED vs. T2 adjusted  $p = 0.13$   
T1 vs. T2 adjusted  $p = 0.73$



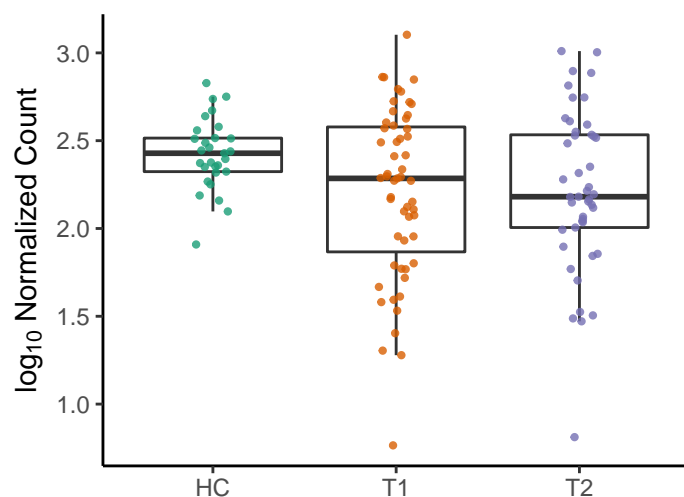
### Pseudanabaenaceae

non-ED vs. T1 adjusted  $p = 0.012$   
non-ED vs. T2 adjusted  $p = 0.052$   
T1 vs. T2 adjusted  $p = 0.79$



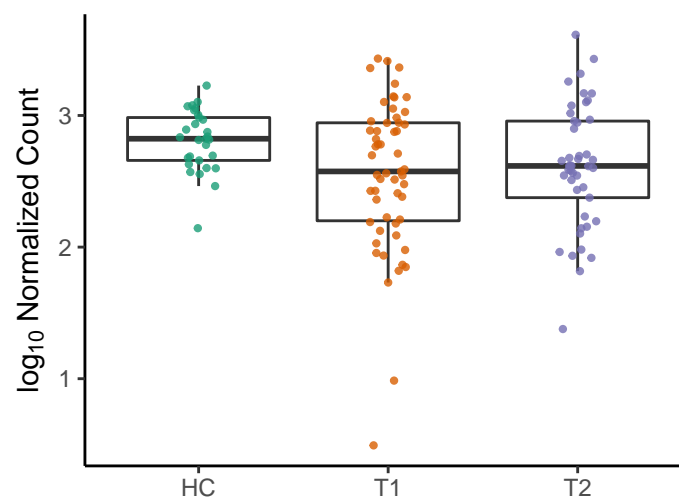
### Sinobacteraceae

non-ED vs. T1 adjusted  $p = 0.012$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 0.84$



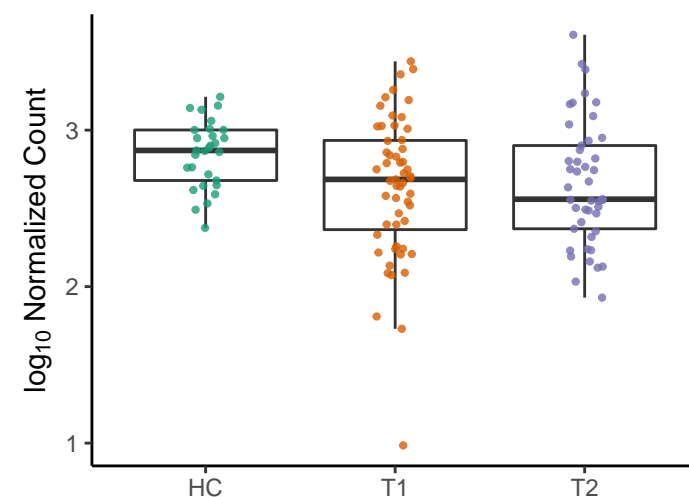
### Unclassified Myxococcales Order

non-ED vs. T1 adjusted  $p = 0.012$   
non-ED vs. T2 adjusted  $p = 0.039$   
T1 vs. T2 adjusted  $p = 0.73$



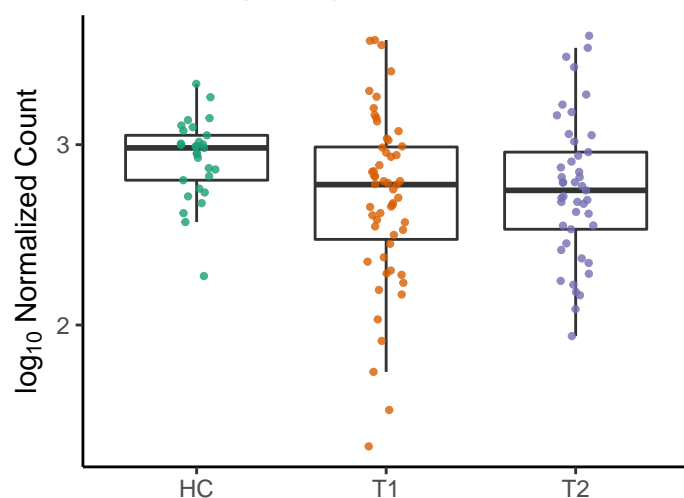
### Gemmataceae

non-ED vs. T1 adjusted  $p = 0.012$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 0.8$



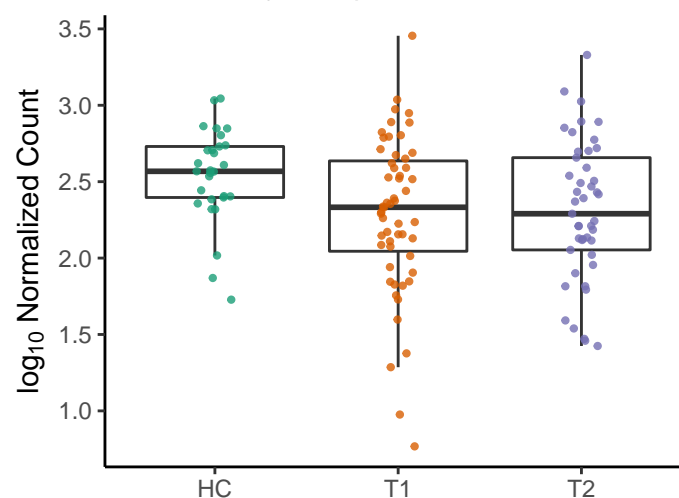
### Rubrobacteraceae

non-ED vs. T1 adjusted  $p = 0.013$   
non-ED vs. T2 adjusted  $p = 0.039$   
T1 vs. T2 adjusted  $p = 0.73$



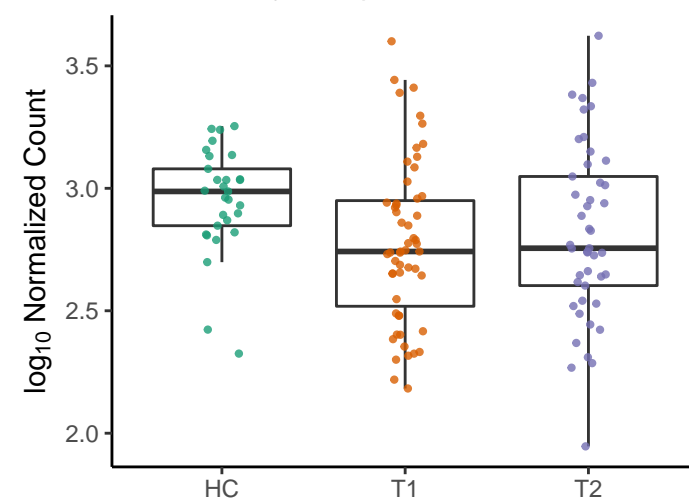
### Dermacoccaceae

non-ED vs. T1 adjusted  $p = 0.013$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 0.75$



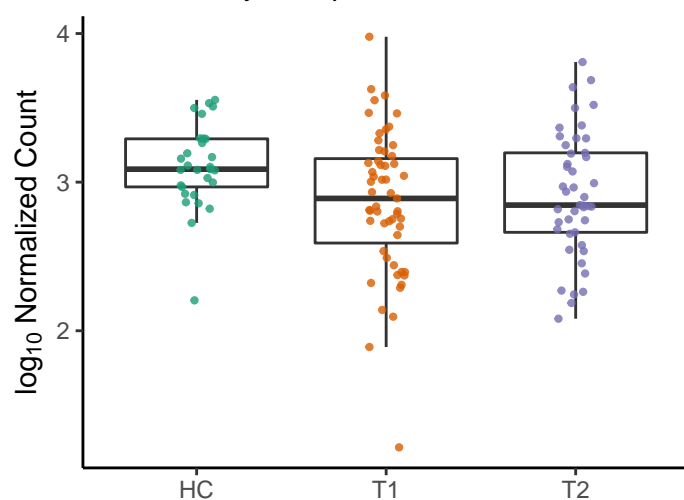
### Thermococcaceae

non-ED vs. T1 adjusted  $p = 0.013$   
non-ED vs. T2 adjusted  $p = 0.076$   
T1 vs. T2 adjusted  $p = 0.73$



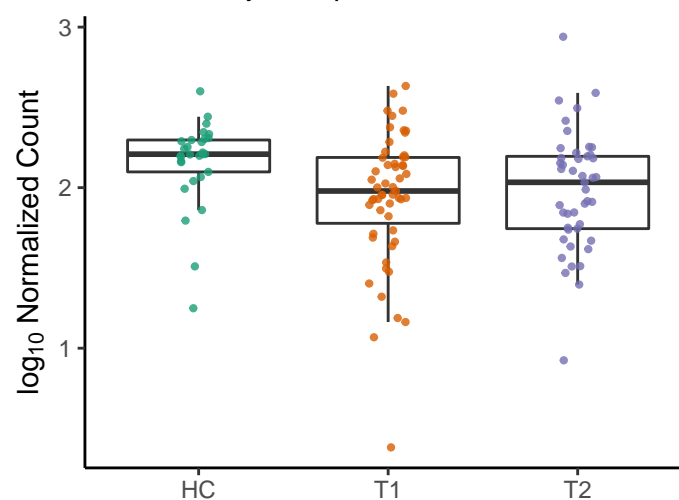
### Unclassified Micrococcales Order

non-ED vs. T1 adjusted  $p = 0.013$   
non-ED vs. T2 adjusted  $p = 0.043$   
T1 vs. T2 adjusted  $p = 0.73$



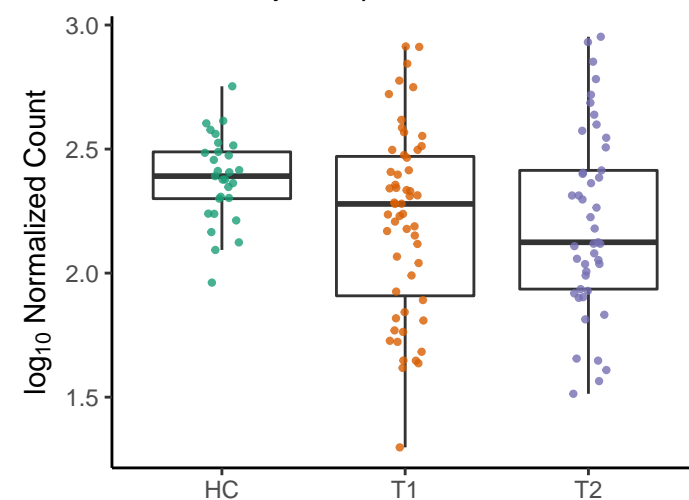
### Endozoicomonadaceae

non-ED vs. T1 adjusted  $p = 0.013$   
non-ED vs. T2 adjusted  $p = 0.041$   
T1 vs. T2 adjusted  $p = 0.73$



### Ferrimonadaceae

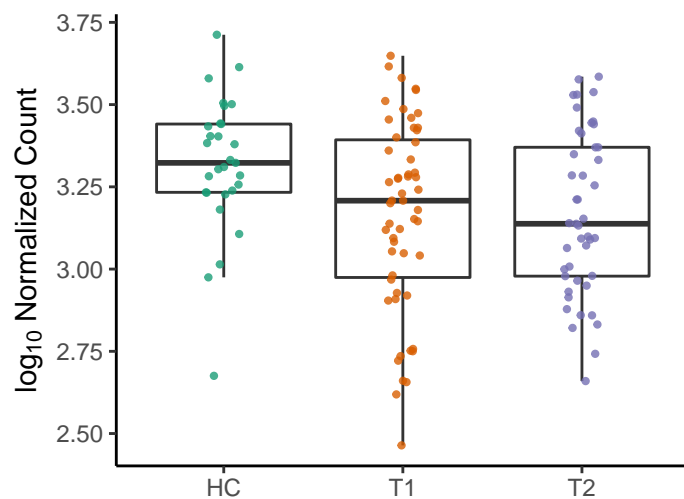
non-ED vs. T1 adjusted  $p = 0.013$   
non-ED vs. T2 adjusted  $p = 0.024$   
T1 vs. T2 adjusted  $p = 0.98$





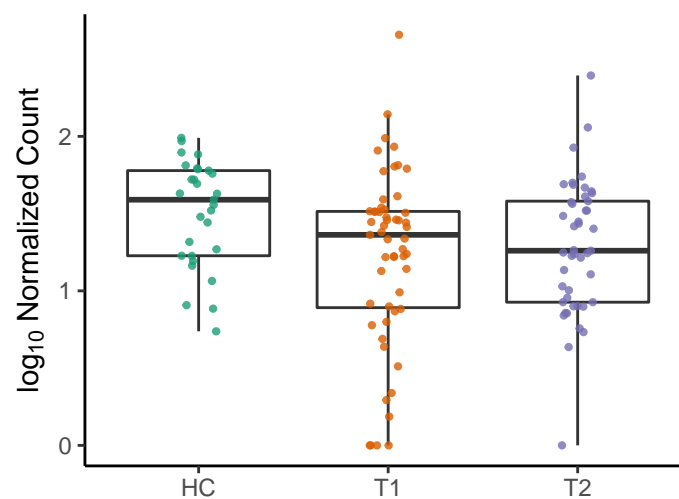
### Shewanellaceae

non-ED vs. T1 adjusted  $p = 0.013$   
non-ED vs. T2 adjusted  $p = 0.021$   
T1 vs. T2 adjusted  $p = 0.9$



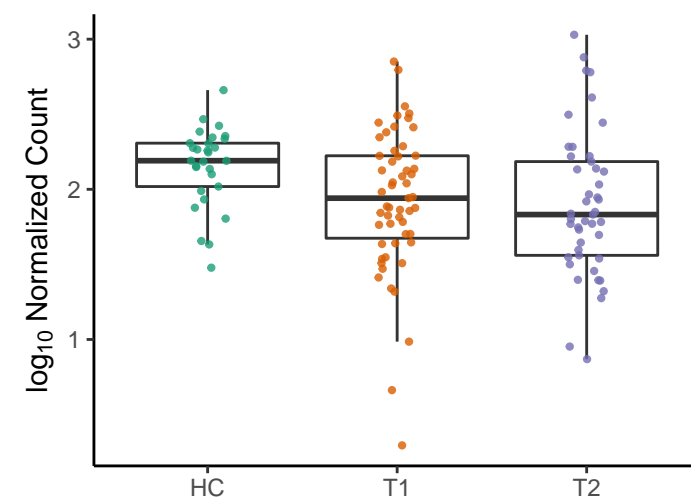
### Litoricolaceae

non-ED vs. T1 adjusted  $p = 0.014$   
non-ED vs. T2 adjusted  $p = 0.036$   
T1 vs. T2 adjusted  $p = 0.8$



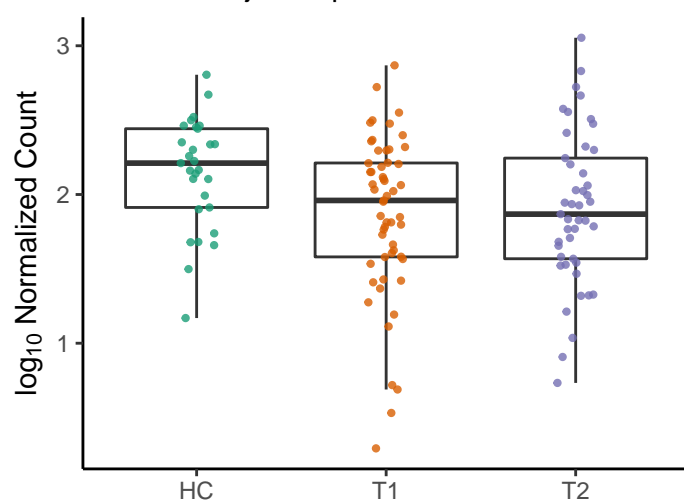
### Unclassified Blastocatellia Class

non-ED vs. T1 adjusted  $p = 0.014$   
non-ED vs. T2 adjusted  $p = 0.02$   
T1 vs. T2 adjusted  $p = 0.97$



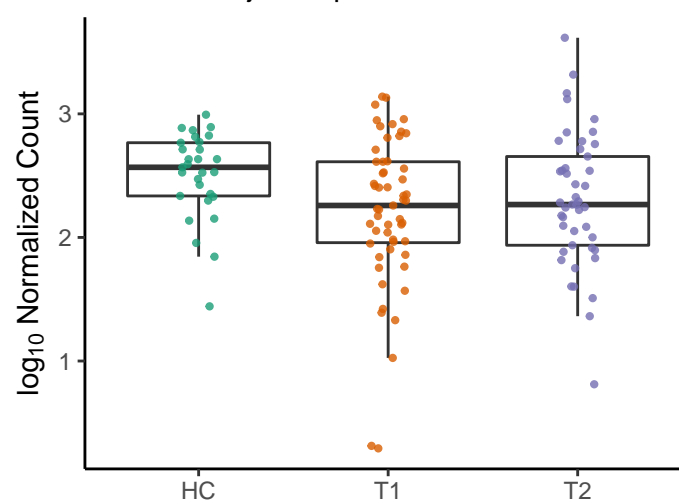
### Actinopolysporaceae

non-ED vs. T1 adjusted  $p = 0.014$   
non-ED vs. T2 adjusted  $p = 0.04$   
T1 vs. T2 adjusted  $p = 0.84$



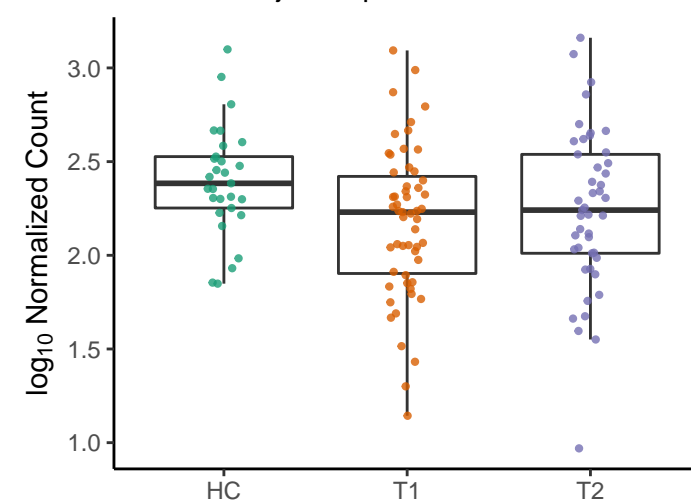
### Baekduiaceae

non-ED vs. T1 adjusted  $p = 0.014$   
non-ED vs. T2 adjusted  $p = 0.085$   
T1 vs. T2 adjusted  $p = 0.73$



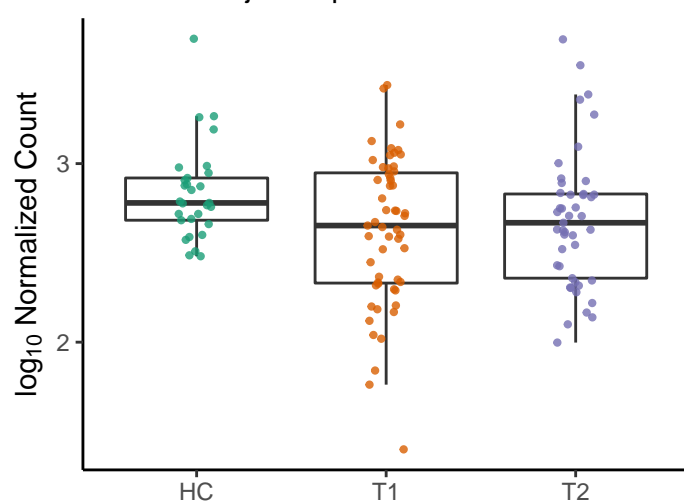
### Cardiobacteriaceae

non-ED vs. T1 adjusted  $p = 0.014$   
non-ED vs. T2 adjusted  $p = 0.095$   
T1 vs. T2 adjusted  $p = 0.73$



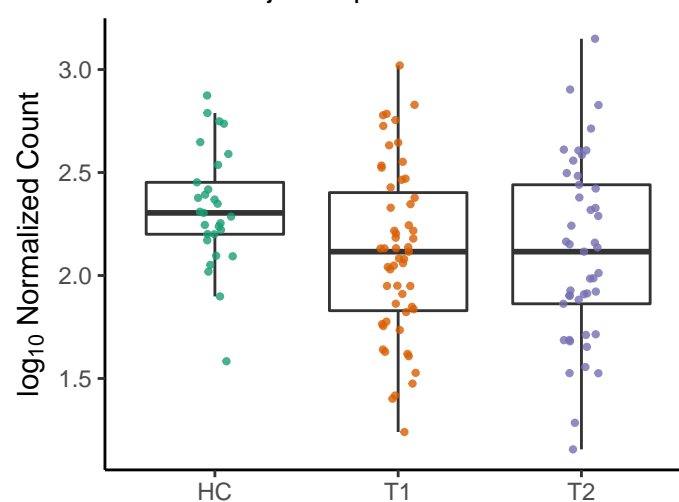
### Dehalococcoidaceae

non-ED vs. T1 adjusted  $p = 0.014$   
non-ED vs. T2 adjusted  $p = 0.065$   
T1 vs. T2 adjusted  $p = 0.73$



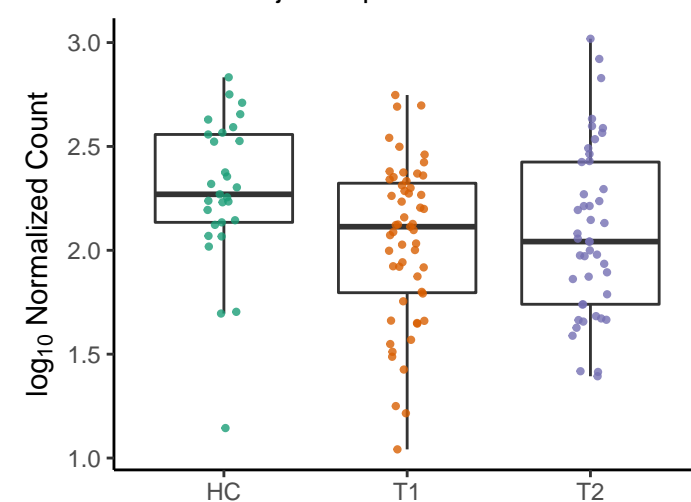
### Chloroflexaceae

non-ED vs. T1 adjusted  $p = 0.014$   
non-ED vs. T2 adjusted  $p = 0.03$   
T1 vs. T2 adjusted  $p = 0.96$



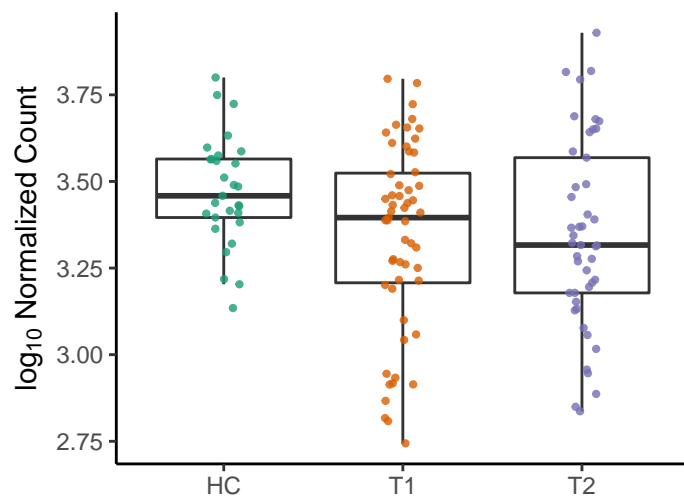
### Clavicipitaceae

non-ED vs. T1 adjusted  $p = 0.014$   
non-ED vs. T2 adjusted  $p = 0.056$   
T1 vs. T2 adjusted  $p = 0.88$



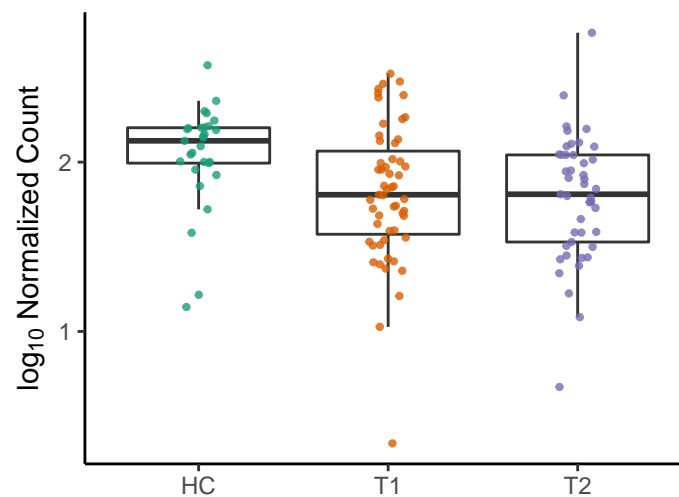
### Pectobacteriaceae

non-ED vs. T1 adjusted  $p = 0.014$   
non-ED vs. T2 adjusted  $p = 0.031$   
T1 vs. T2 adjusted  $p = 0.8$



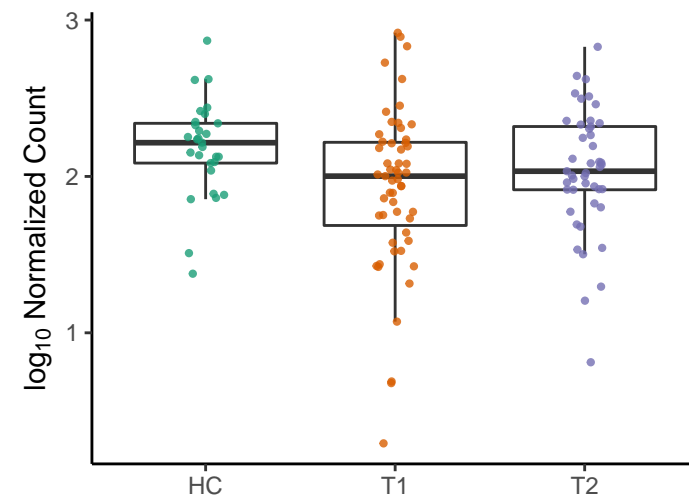
### Natranaerobiaceae

non-ED vs. T1 adjusted  $p = 0.015$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.81$



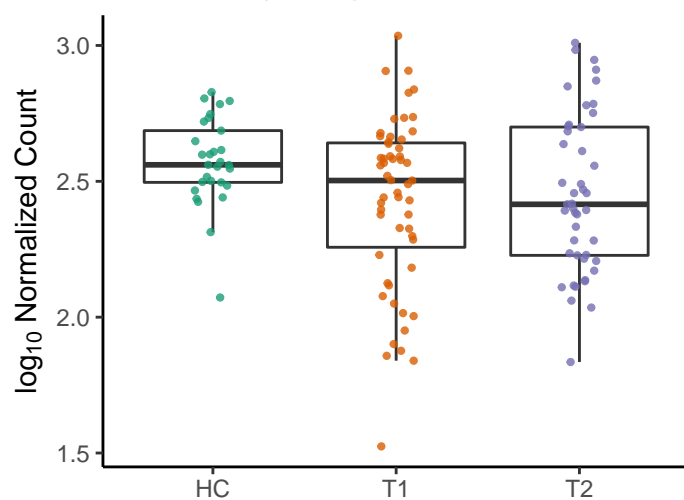
### Coleofasciculaceae

non-ED vs. T1 adjusted  $p = 0.015$   
non-ED vs. T2 adjusted  $p = 0.11$   
T1 vs. T2 adjusted  $p = 0.73$



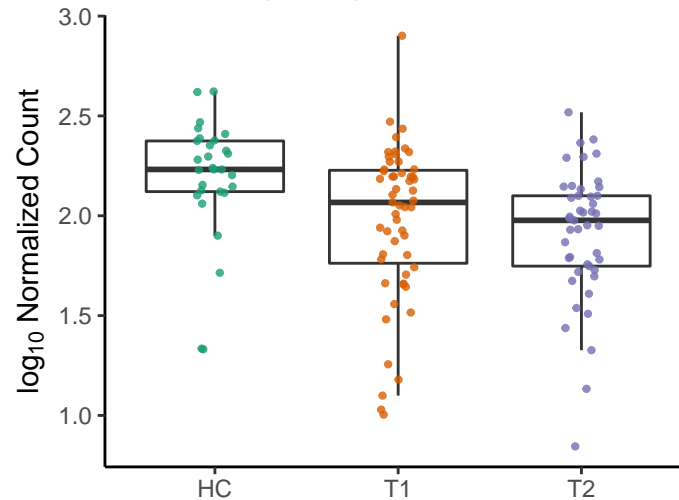
### Leptolyngbyaceae

non-ED vs. T1 adjusted  $p = 0.015$   
non-ED vs. T2 adjusted  $p = 0.045$   
T1 vs. T2 adjusted  $p = 0.73$



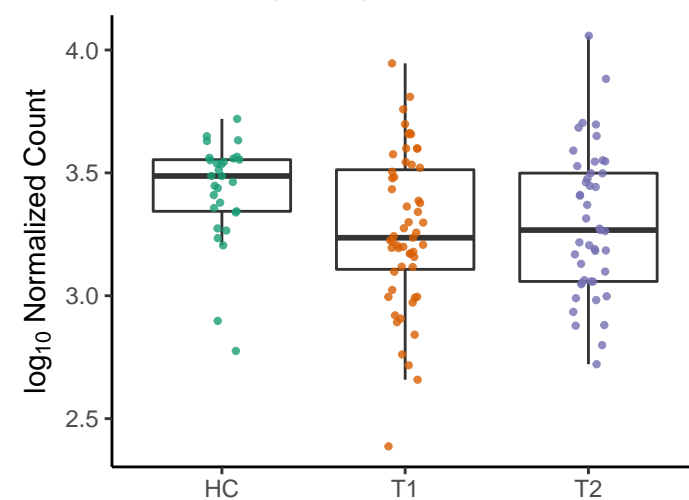
### Kangiellaceae

non-ED vs. T1 adjusted  $p = 0.015$   
non-ED vs. T2 adjusted  $p = 0.0076$   
T1 vs. T2 adjusted  $p = 0.74$



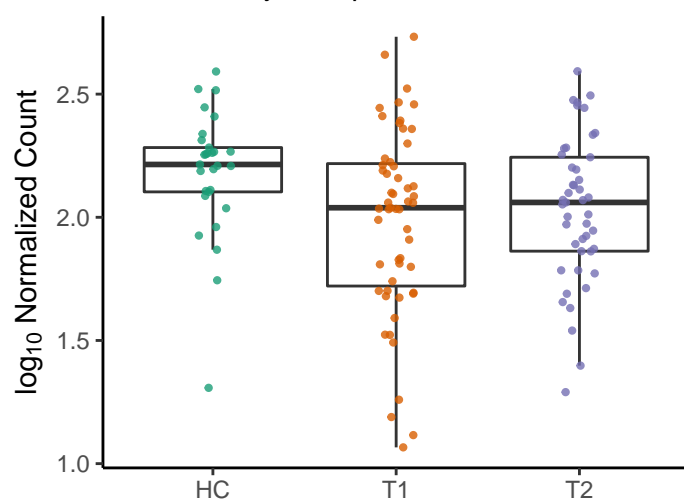
### Thermoanaerobacteraceae

non-ED vs. T1 adjusted  $p = 0.015$   
non-ED vs. T2 adjusted  $p = 0.055$   
T1 vs. T2 adjusted  $p = 0.8$



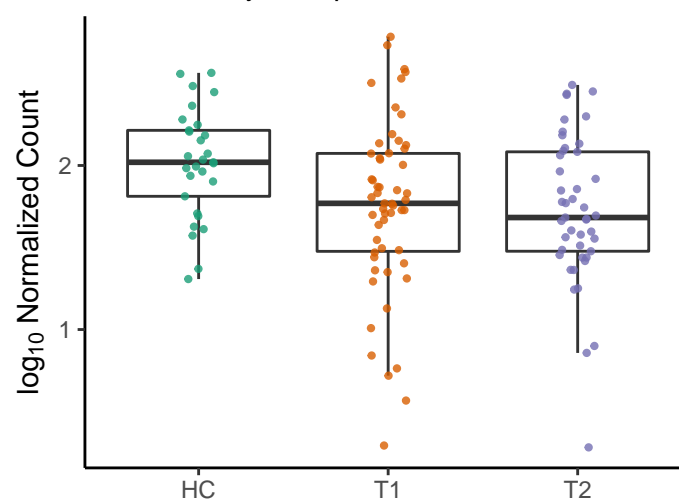
### Archaeoglobaceae

non-ED vs. T1 adjusted  $p = 0.015$   
non-ED vs. T2 adjusted  $p = 0.045$   
T1 vs. T2 adjusted  $p = 0.77$



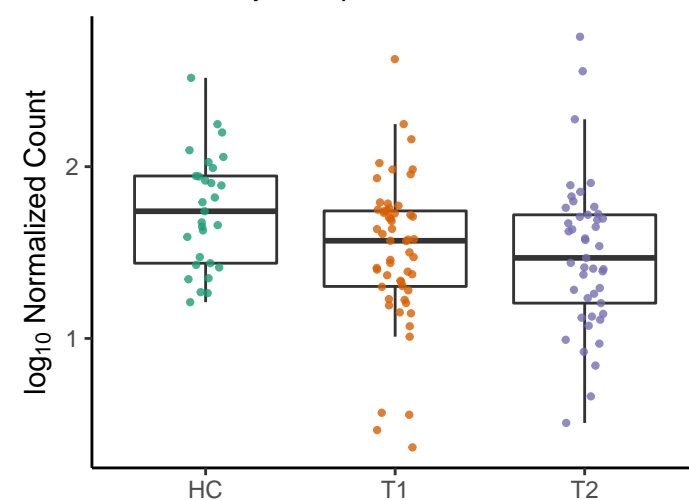
### Lichenihabitantaceae

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



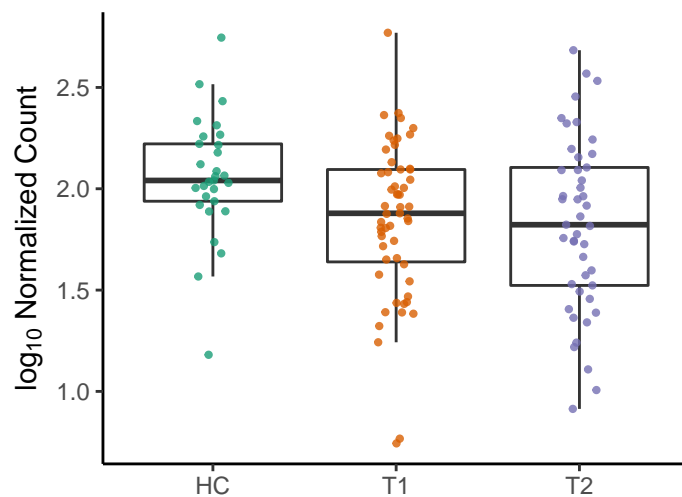
### Elusimicrobiaceae

non-ED vs. T1 adjusted  $p = 0.015$   
non-ED vs. T2 adjusted  $p = 0.022$   
T1 vs. T2 adjusted  $p = 0.97$



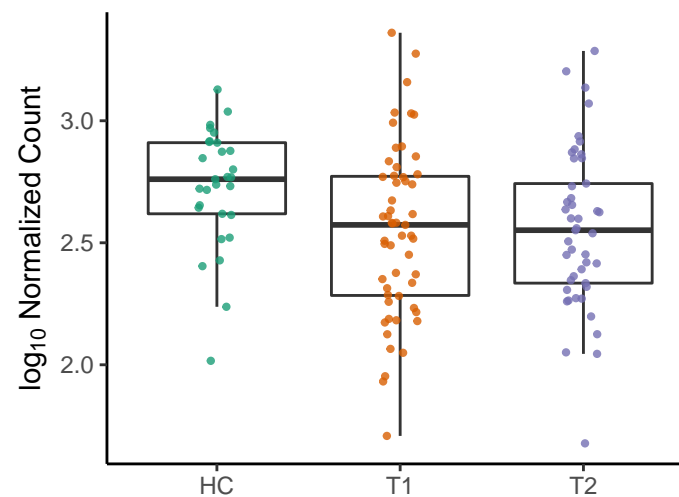
### Unclassified Alteromonadales Order

non-ED vs. T1 adjusted  $p = 0.016$   
non-ED vs. T2 adjusted  $p = 0.023$   
T1 vs. T2 adjusted  $p = 0.91$



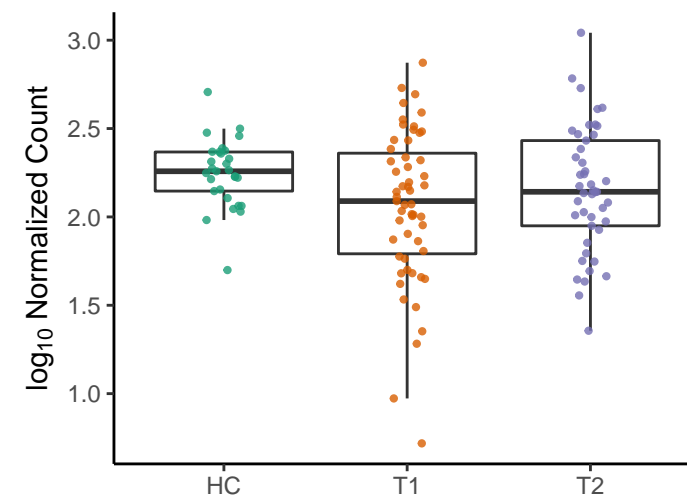
### Deferribacteraceae

non-ED vs. T1 adjusted  $p = 0.016$   
non-ED vs. T2 adjusted  $p = 0.029$   
T1 vs. T2 adjusted  $p = 0.91$



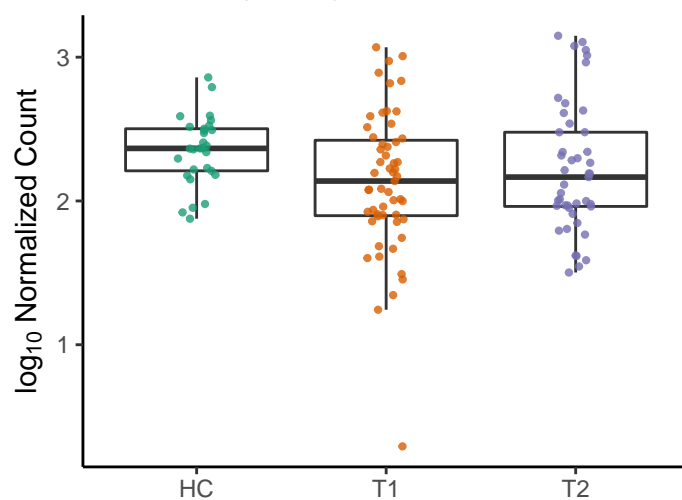
### Unclassified Kiritimatiellaeota Phylum

non-ED vs. T1 adjusted  $p = 0.016$   
non-ED vs. T2 adjusted  $p = 0.19$   
T1 vs. T2 adjusted  $p = 0.73$



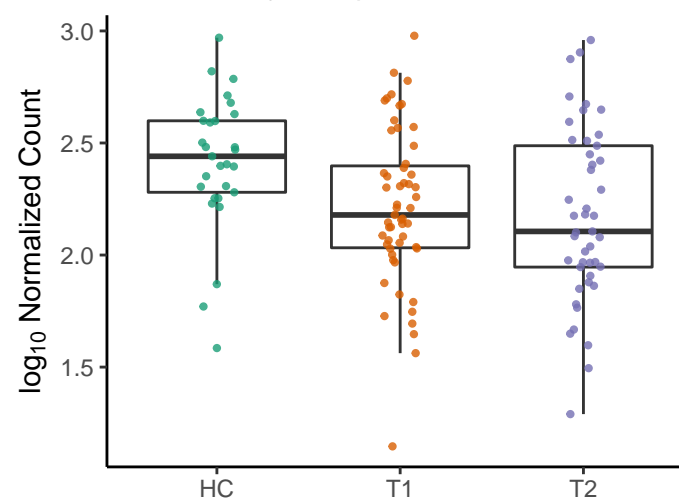
### Caldilineaceae

non-ED vs. T1 adjusted  $p = 0.016$   
non-ED vs. T2 adjusted  $p = 0.15$   
T1 vs. T2 adjusted  $p = 0.73$



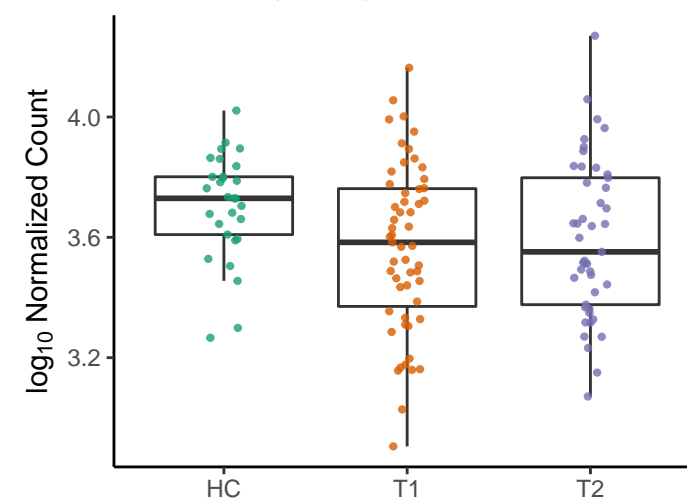
### Nautiliaceae

non-ED vs. T1 adjusted  $p = 0.017$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.8$



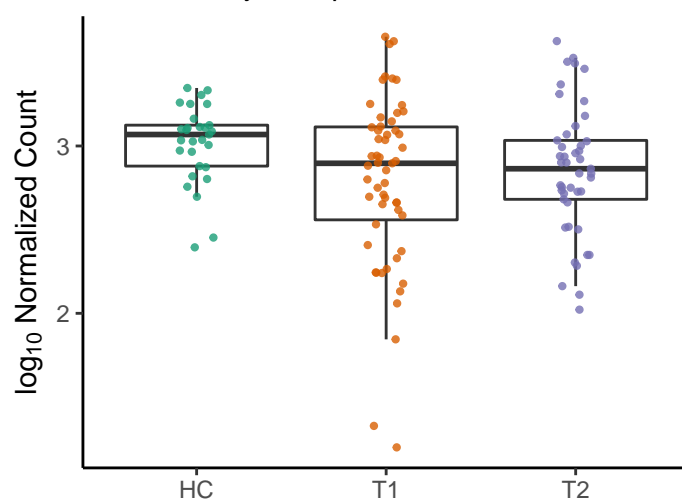
### Vibrionaceae

non-ED vs. T1 adjusted  $p = 0.017$   
non-ED vs. T2 adjusted  $p = 0.054$   
T1 vs. T2 adjusted  $p = 0.83$



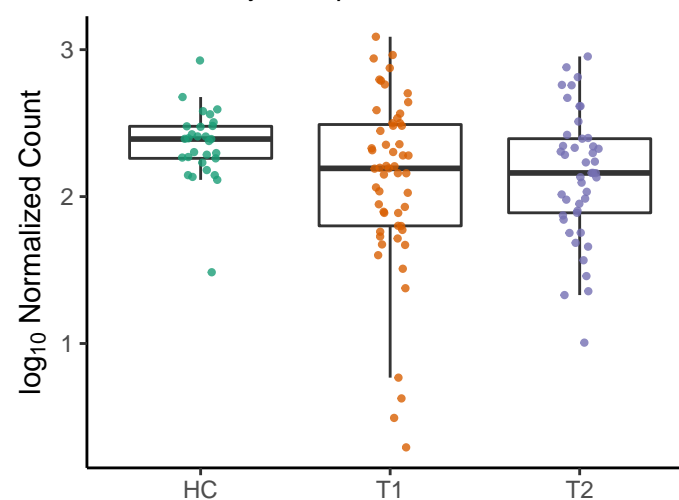
### Clostridiales Family XVII. Incertae Sedis

non-ED vs. T1 adjusted  $p = 0.017$   
non-ED vs. T2 adjusted  $p = 0.053$   
T1 vs. T2 adjusted  $p = 0.73$



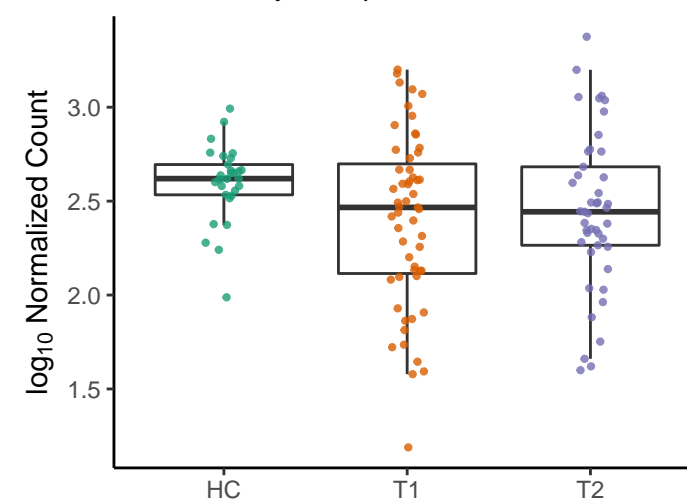
### Glycomycetaceae

non-ED vs. T1 adjusted  $p = 0.017$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 0.73$



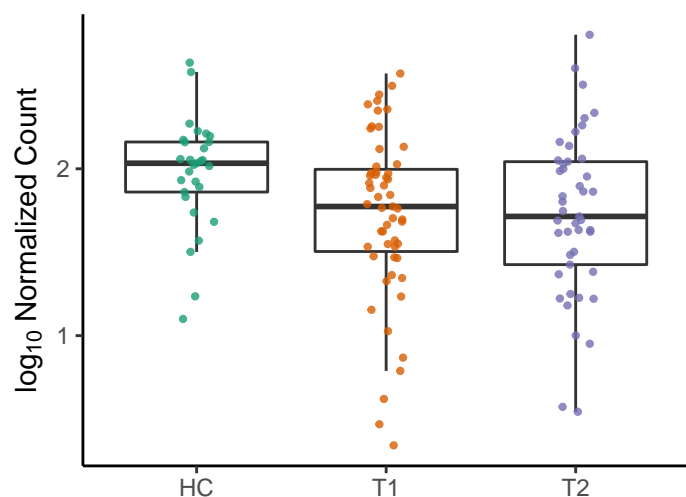
### Limnochordaceae

non-ED vs. T1 adjusted  $p = 0.017$   
non-ED vs. T2 adjusted  $p = 0.066$   
T1 vs. T2 adjusted  $p = 0.73$



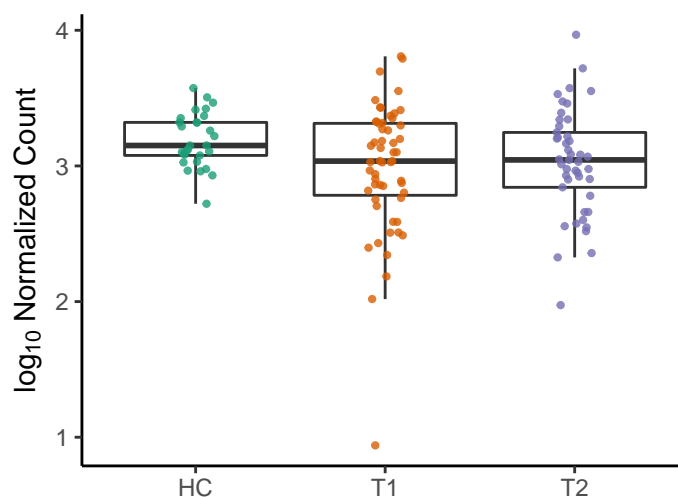
### Sporichthyaceae

non-ED vs. T1 adjusted  $p = 0.017$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 0.89$



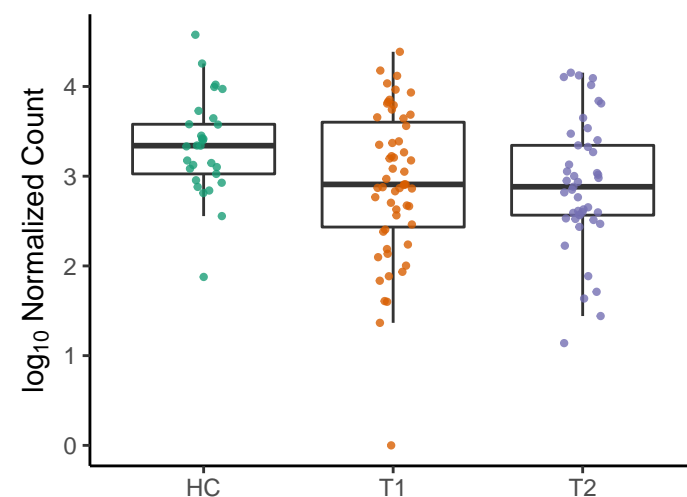
### Thermaceae

non-ED vs. T1 adjusted  $p = 0.017$   
non-ED vs. T2 adjusted  $p = 0.044$   
T1 vs. T2 adjusted  $p = 0.73$



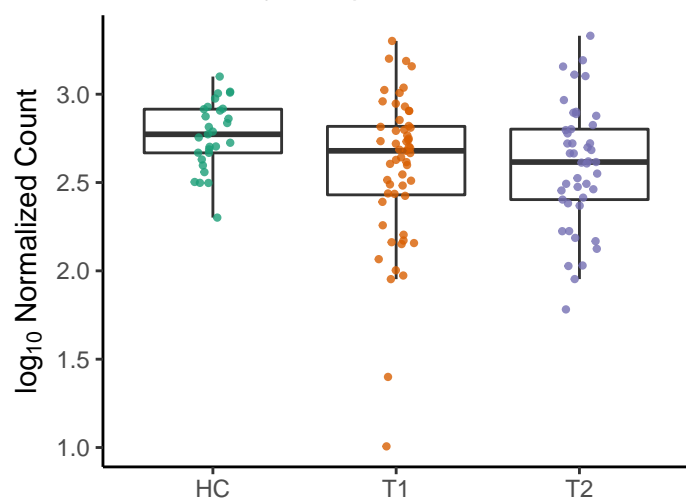
### Unclassified Coriobacteriales Order

non-ED vs. T1 adjusted  $p = 0.017$   
non-ED vs. T2 adjusted  $p = 0.02$   
T1 vs. T2 adjusted  $p = 0.83$



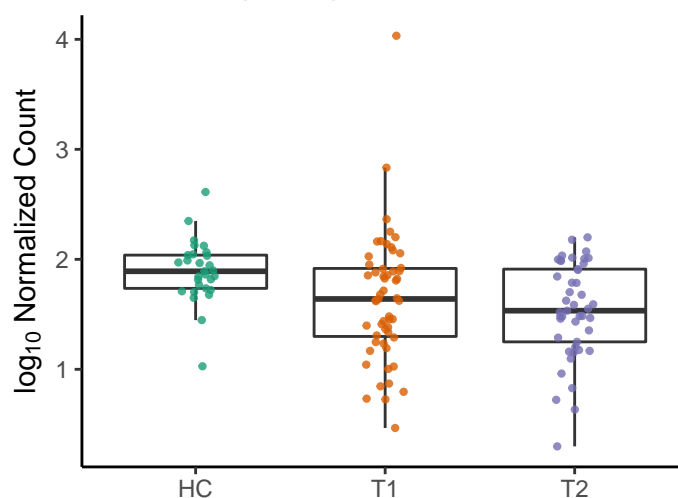
### Desulfomicrobiaceae

non-ED vs. T1 adjusted  $p = 0.017$   
non-ED vs. T2 adjusted  $p = 0.023$   
T1 vs. T2 adjusted  $p = 0.87$



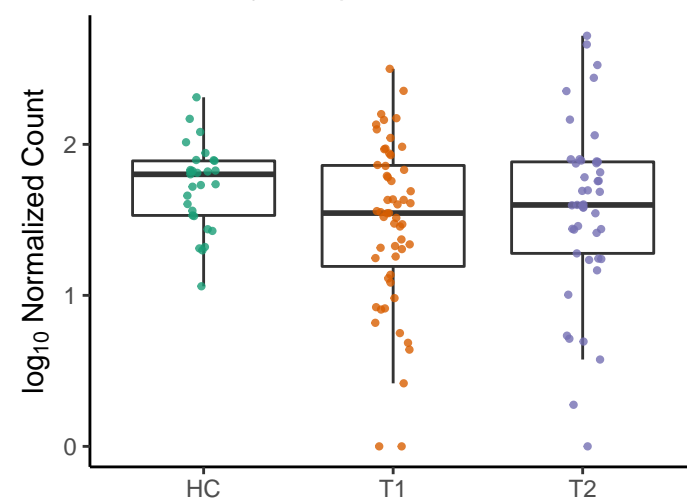
### Malasseziaceae

non-ED vs. T1 adjusted  $p = 0.018$   
non-ED vs. T2 adjusted  $p = 0.0041$   
T1 vs. T2 adjusted  $p = 0.73$



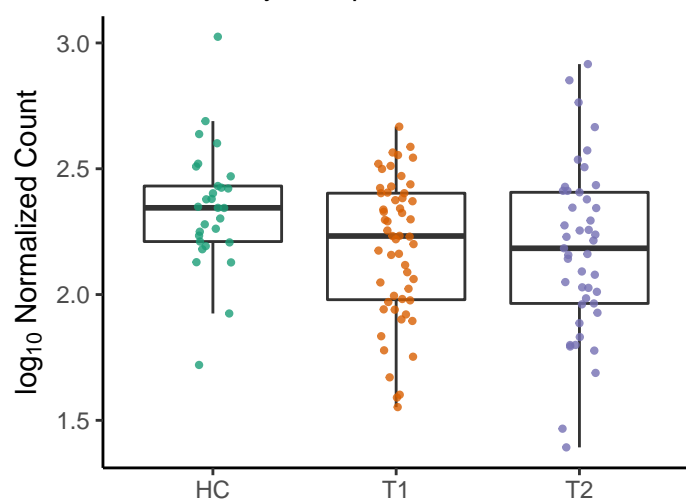
### Unclassified Candidatus Bipolaricaulota

non-ED vs. T1 adjusted  $p = 0.019$   
non-ED vs. T2 adjusted  $p = 0.18$   
T1 vs. T2 adjusted  $p = 0.73$



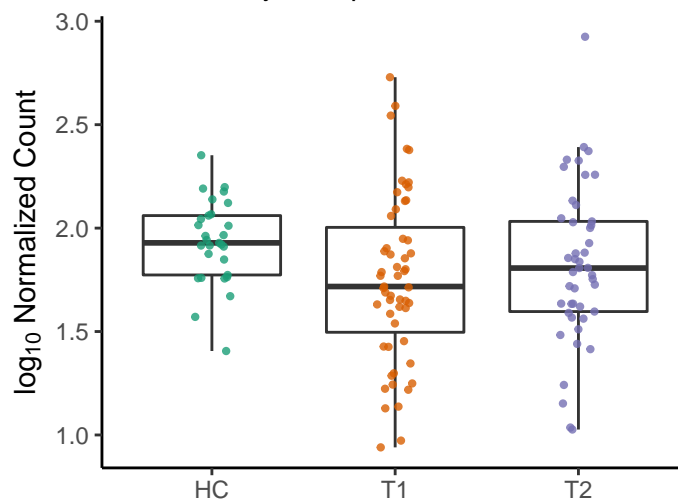
### Idiomarinaceae

non-ED vs. T1 adjusted  $p = 0.019$   
non-ED vs. T2 adjusted  $p = 0.031$   
T1 vs. T2 adjusted  $p = 0.96$



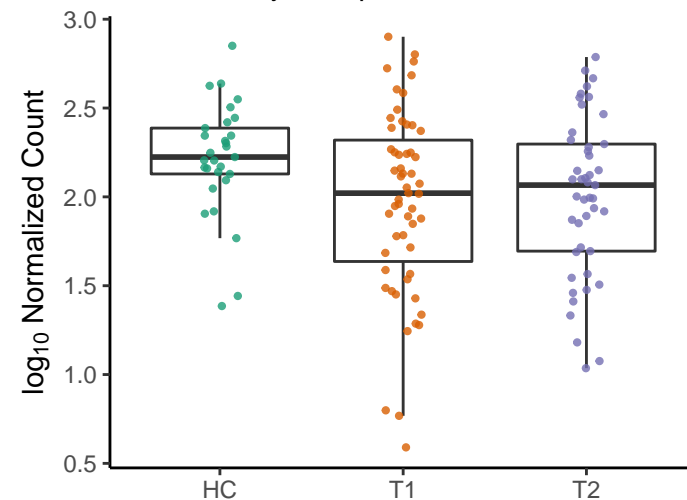
### Prochlorotrichaceae

non-ED vs. T1 adjusted  $p = 0.02$   
non-ED vs. T2 adjusted  $p = 0.14$   
T1 vs. T2 adjusted  $p = 0.75$



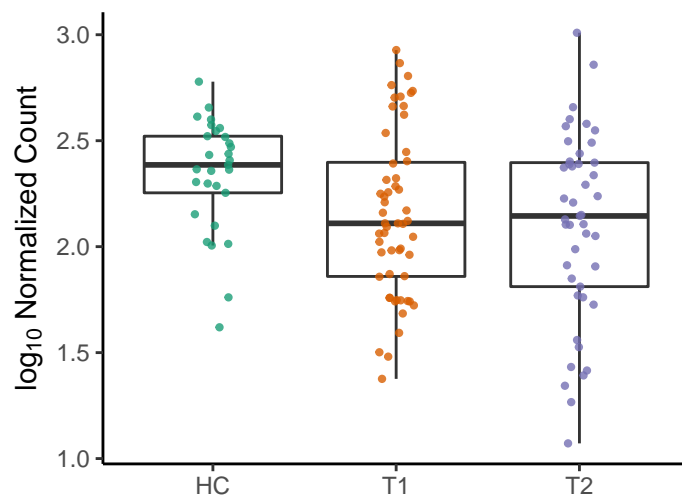
### Iamiaceae

non-ED vs. T1 adjusted  $p = 0.02$   
non-ED vs. T2 adjusted  $p = 0.041$   
T1 vs. T2 adjusted  $p = 0.73$



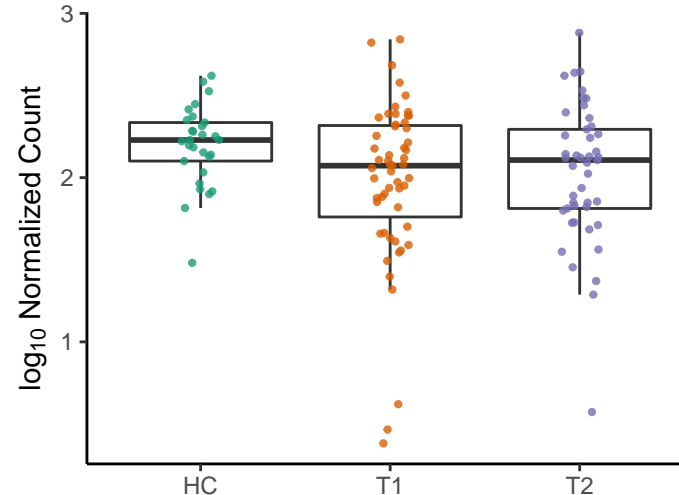
### Methanocaldococcaceae

non-ED vs. T1 adjusted  $p = 0.02$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.81$



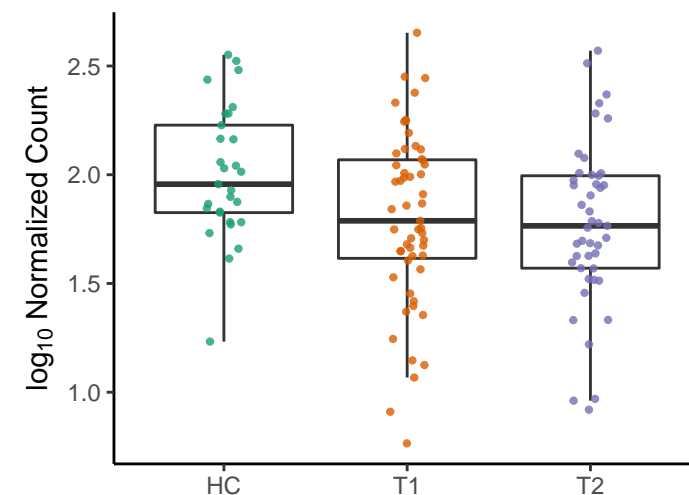
### Methanocellaceae

non-ED vs. T1 adjusted  $p = 0.02$   
non-ED vs. T2 adjusted  $p = 0.06$   
T1 vs. T2 adjusted  $p = 0.73$



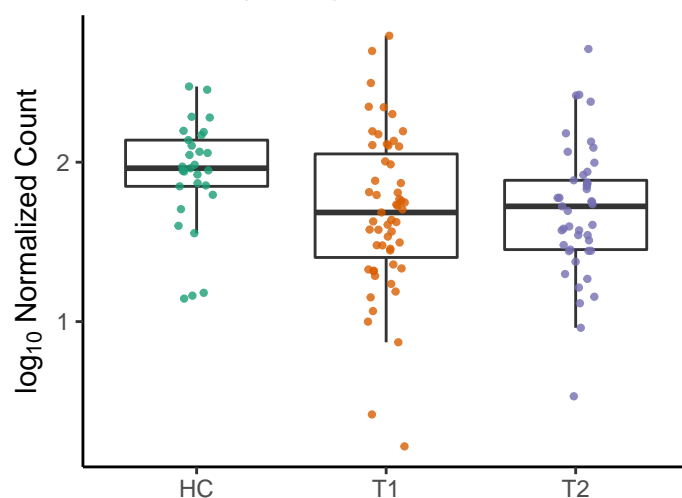
### Endomicrobiaceae

non-ED vs. T1 adjusted  $p = 0.02$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.91$



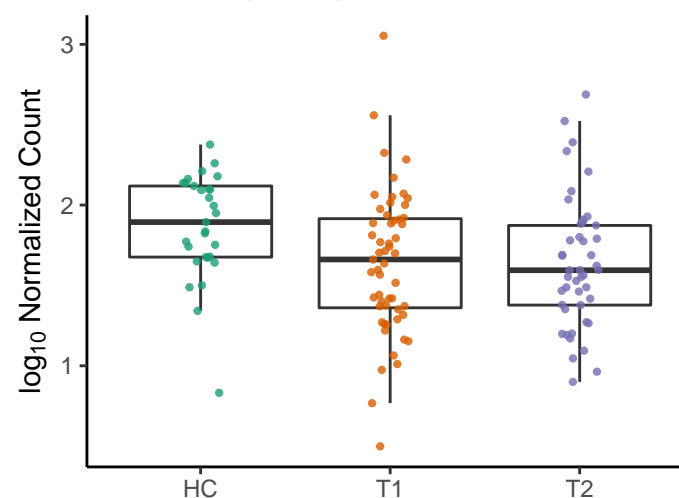
### Unclassified Silvanigrellales Order

non-ED vs. T1 adjusted  $p = 0.02$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 1$



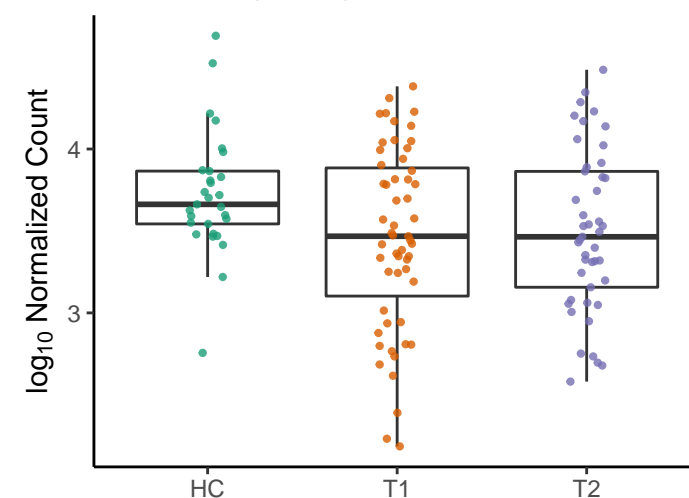
### Unclassified Euryarchaeota Phylum

non-ED vs. T1 adjusted  $p = 0.021$   
non-ED vs. T2 adjusted  $p = 0.023$   
T1 vs. T2 adjusted  $p = 0.98$



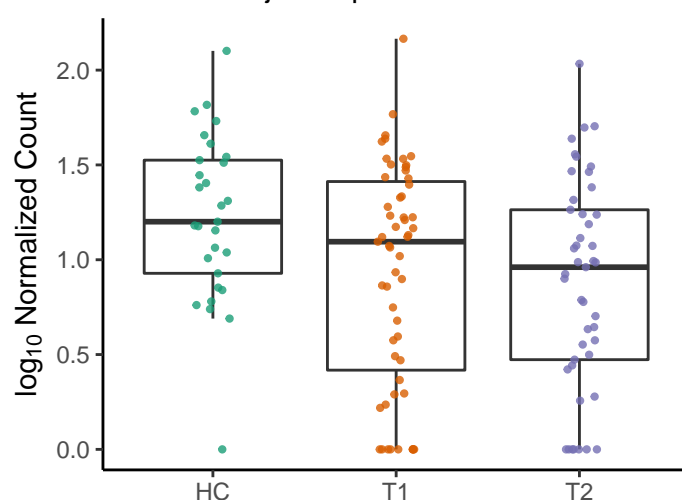
### Unclassified Actinobacteria Phylum

non-ED vs. T1 adjusted  $p = 0.021$   
non-ED vs. T2 adjusted  $p = 0.052$   
T1 vs. T2 adjusted  $p = 0.73$



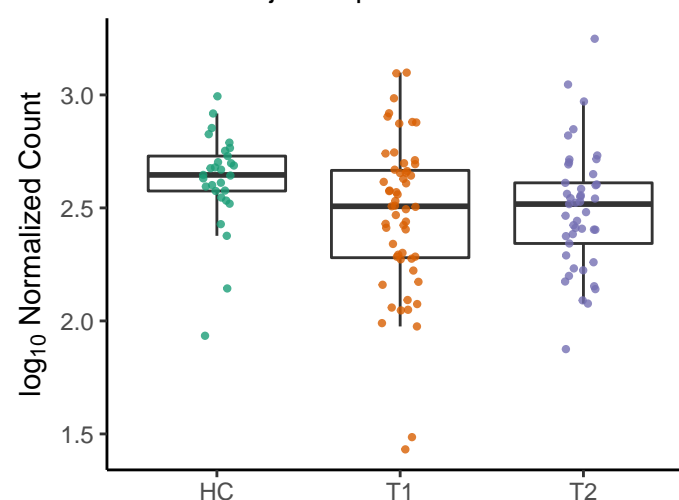
### Unclassified Rhodobacterales Order

non-ED vs. T1 adjusted  $p = 0.021$   
non-ED vs. T2 adjusted  $p = 0.017$   
T1 vs. T2 adjusted  $p = 0.92$



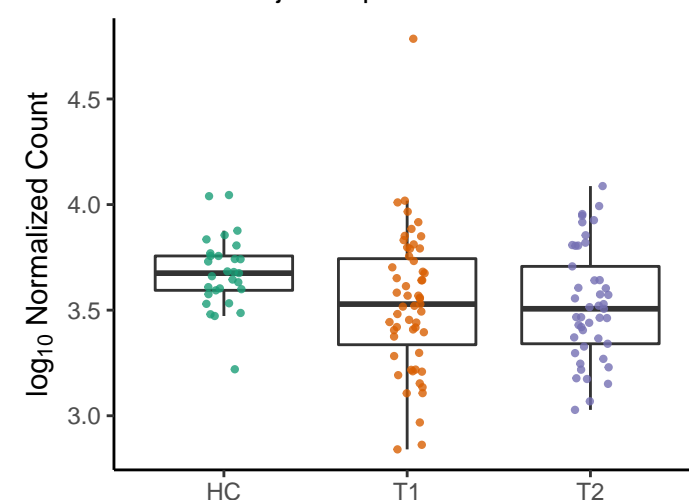
### Bdellovibrionaceae

non-ED vs. T1 adjusted  $p = 0.021$   
non-ED vs. T2 adjusted  $p = 0.039$   
T1 vs. T2 adjusted  $p = 0.83$



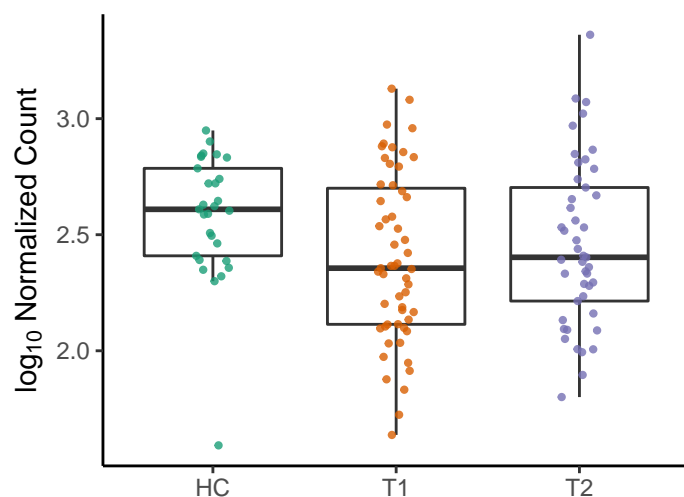
### Yersiniaceae

non-ED vs. T1 adjusted  $p = 0.021$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.75$



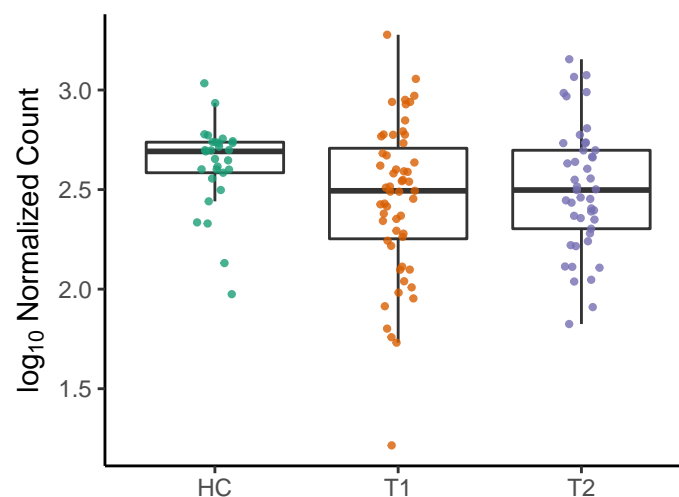
### Chroococcaceae

non-ED vs. T1 adjusted  $p = 0.021$   
non-ED vs. T2 adjusted  $p = 0.13$   
T1 vs. T2 adjusted  $p = 0.79$



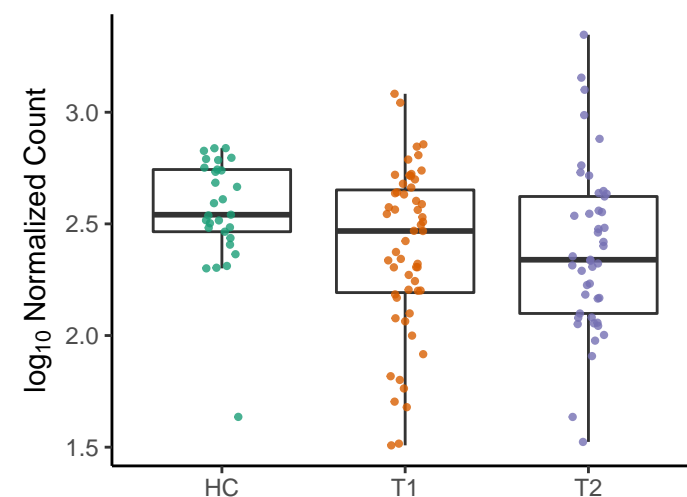
### Chaetomiaceae

non-ED vs. T1 adjusted  $p = 0.022$   
non-ED vs. T2 adjusted  $p = 0.089$   
T1 vs. T2 adjusted  $p = 0.73$



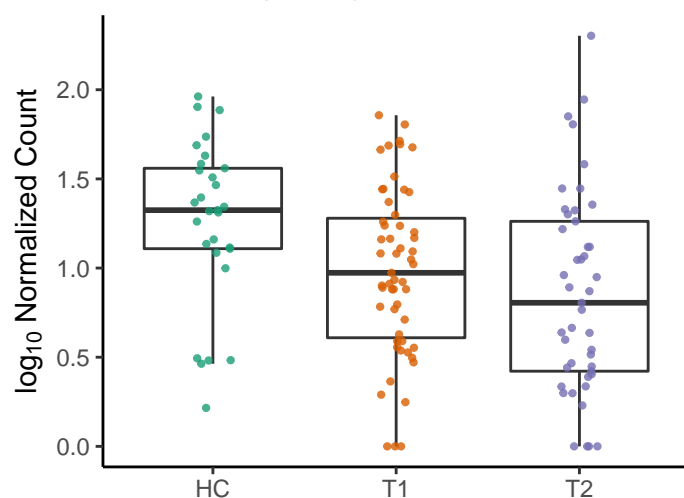
### Candidatus Nanopelagicaceae

non-ED vs. T1 adjusted  $p = 0.022$   
non-ED vs. T2 adjusted  $p = 0.039$   
T1 vs. T2 adjusted  $p = 0.9$



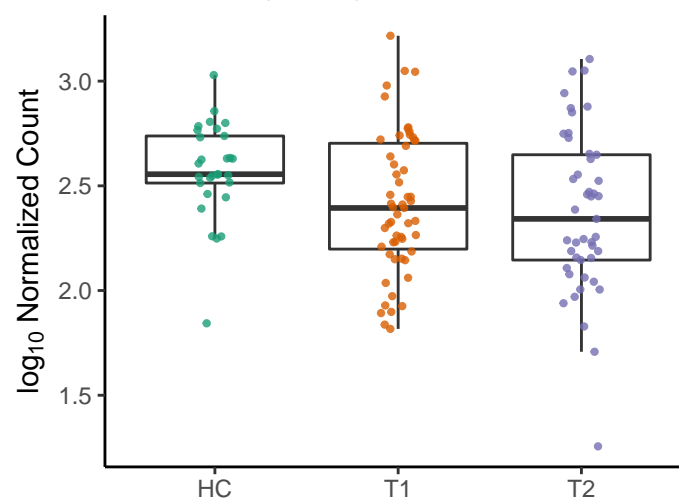
### Ichthyobacteriaceae

non-ED vs. T1 adjusted  $p = 0.022$   
non-ED vs. T2 adjusted  $p = 0.013$   
T1 vs. T2 adjusted  $p = 0.73$



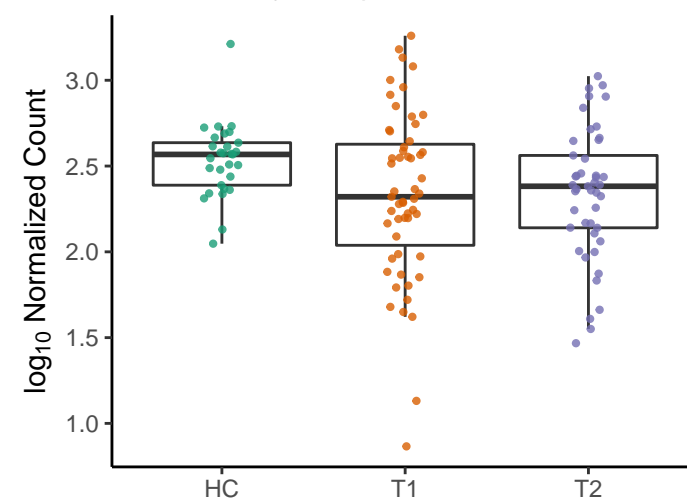
### Methanococcaceae

non-ED vs. T1 adjusted  $p = 0.022$   
non-ED vs. T2 adjusted  $p = 0.023$   
T1 vs. T2 adjusted  $p = 0.89$



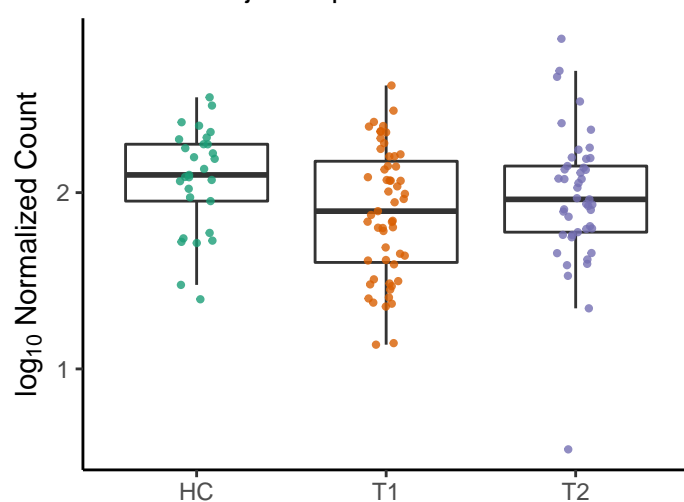
### Unclassified Verrucomicrobia Phylum

non-ED vs. T1 adjusted  $p = 0.022$   
non-ED vs. T2 adjusted  $p = 0.023$   
T1 vs. T2 adjusted  $p = 0.89$



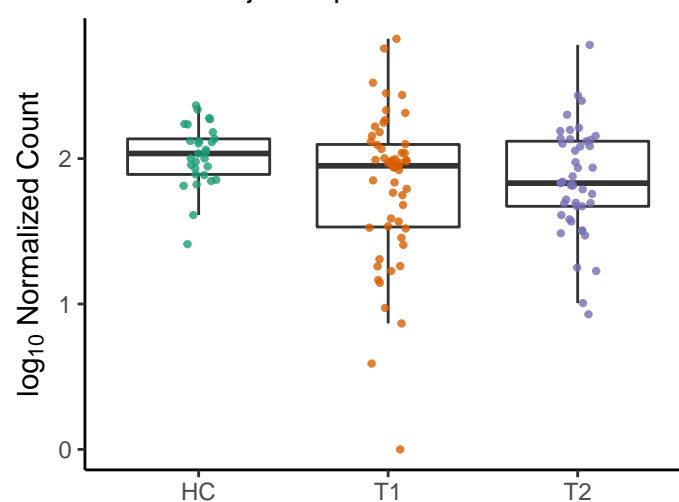
### Hapalosiphonaceae

non-ED vs. T1 adjusted  $p = 0.023$   
non-ED vs. T2 adjusted  $p = 0.22$   
T1 vs. T2 adjusted  $p = 0.73$



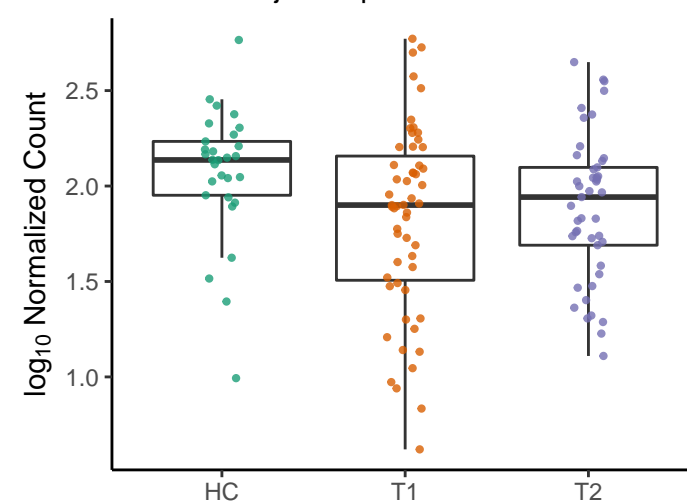
### Unclassified Balneolaeota Phylum

non-ED vs. T1 adjusted  $p = 0.023$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 0.8$



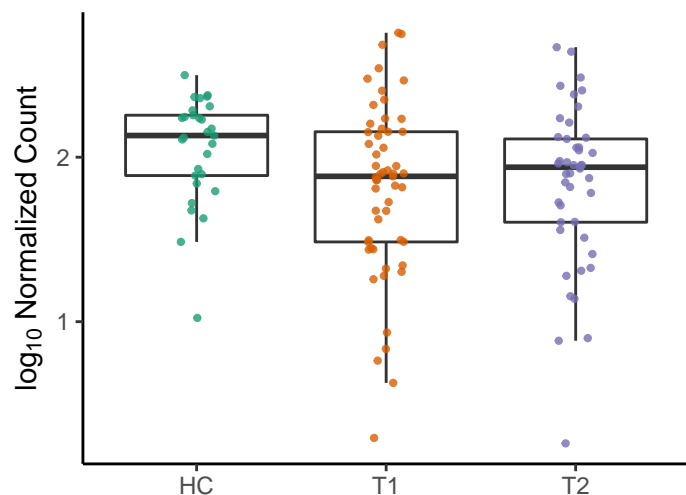
### Unclassified Xanthomonadales Order

non-ED vs. T1 adjusted  $p = 0.023$   
non-ED vs. T2 adjusted  $p = 0.061$   
T1 vs. T2 adjusted  $p = 0.73$



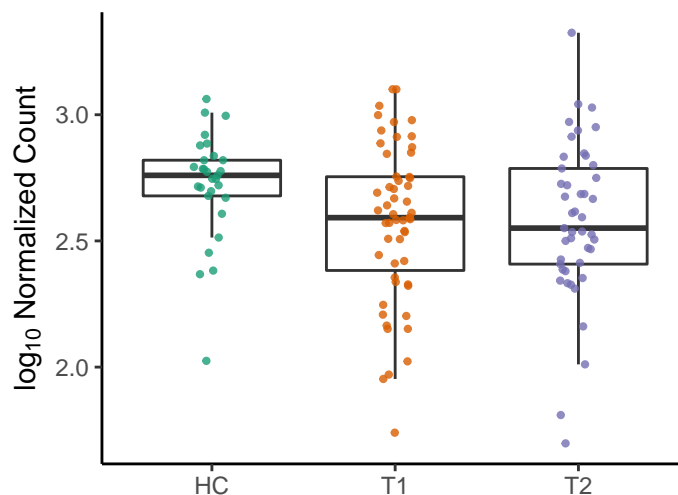
### Trueperaceae

non-ED vs. T1 adjusted  $p = 0.024$   
non-ED vs. T2 adjusted  $p = 0.043$   
T1 vs. T2 adjusted  $p = 0.89$



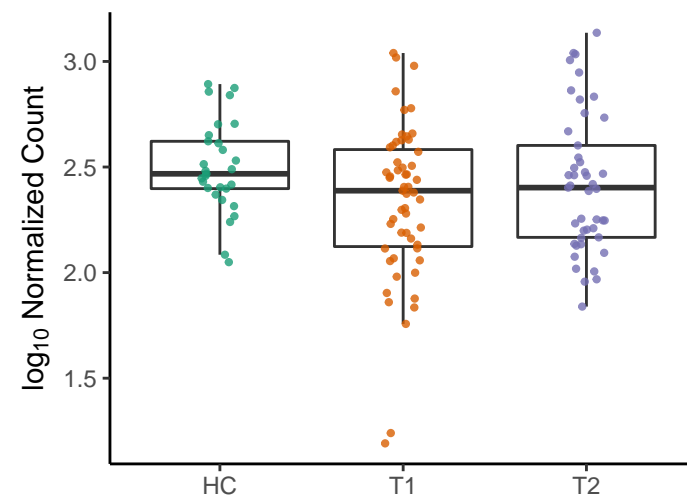
### Nitrosomonadaceae

non-ED vs. T1 adjusted  $p = 0.024$   
non-ED vs. T2 adjusted  $p = 0.039$   
T1 vs. T2 adjusted  $p = 0.92$



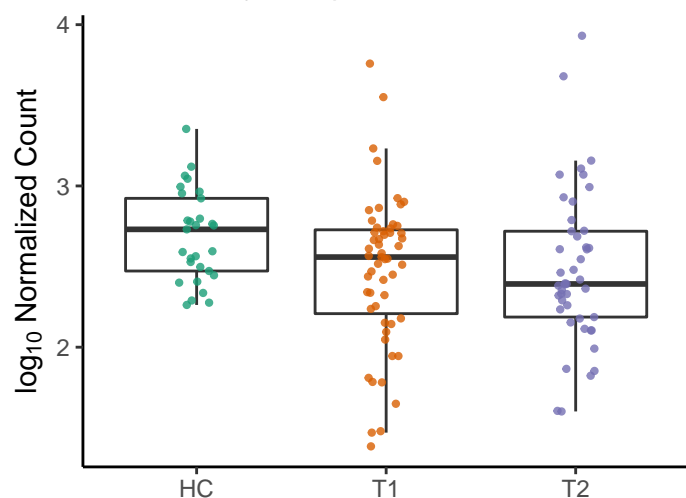
### Sedimentisphaeraceae

non-ED vs. T1 adjusted  $p = 0.024$   
non-ED vs. T2 adjusted  $p = 0.25$   
T1 vs. T2 adjusted  $p = 0.73$



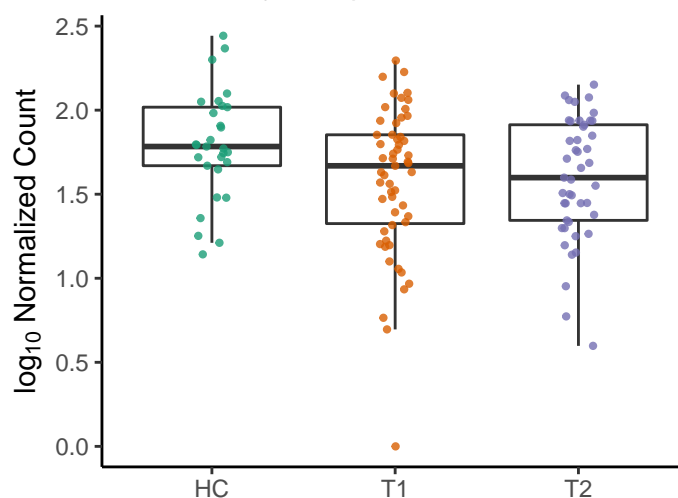
### Sutterellaceae

non-ED vs. T1 adjusted  $p = 0.024$   
non-ED vs. T2 adjusted  $p = 0.042$   
T1 vs. T2 adjusted  $p = 0.91$



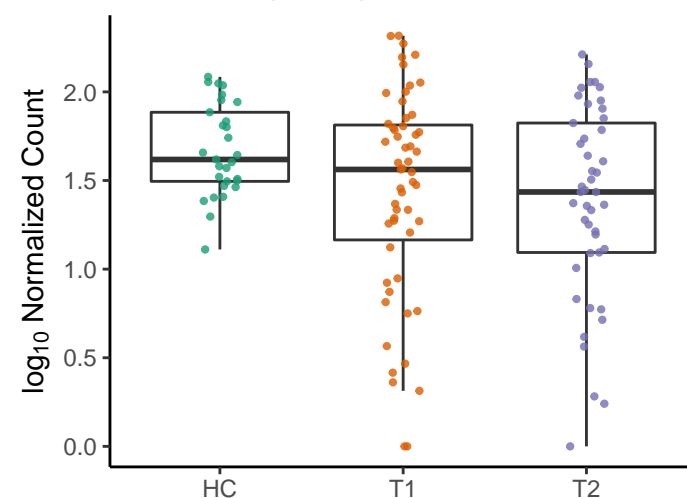
### Mesoaciditogaceae

non-ED vs. T1 adjusted  $p = 0.024$   
non-ED vs. T2 adjusted  $p = 0.035$   
T1 vs. T2 adjusted  $p = 0.92$



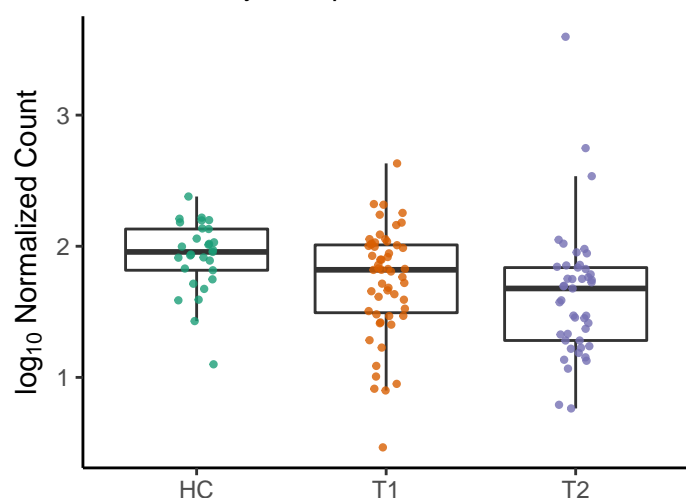
### Unclassified Neisseriales Order

non-ED vs. T1 adjusted  $p = 0.024$   
non-ED vs. T2 adjusted  $p = 0.017$   
T1 vs. T2 adjusted  $p = 0.9$



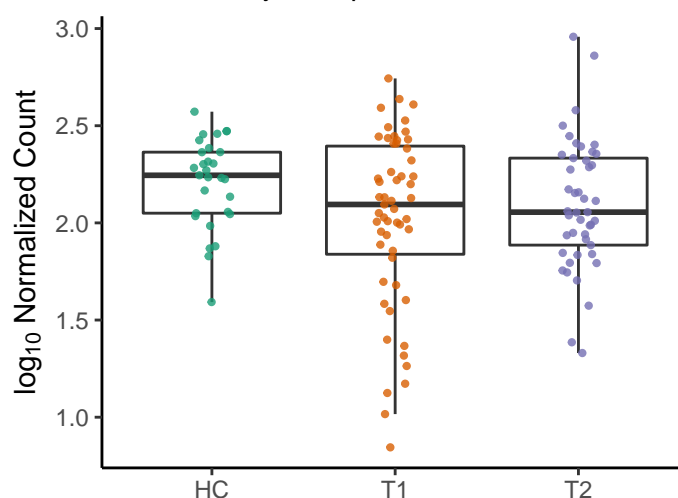
### Unclassified Oceanospirillales Order

non-ED vs. T1 adjusted  $p = 0.025$   
non-ED vs. T2 adjusted  $p = 0.014$   
T1 vs. T2 adjusted  $p = 0.73$



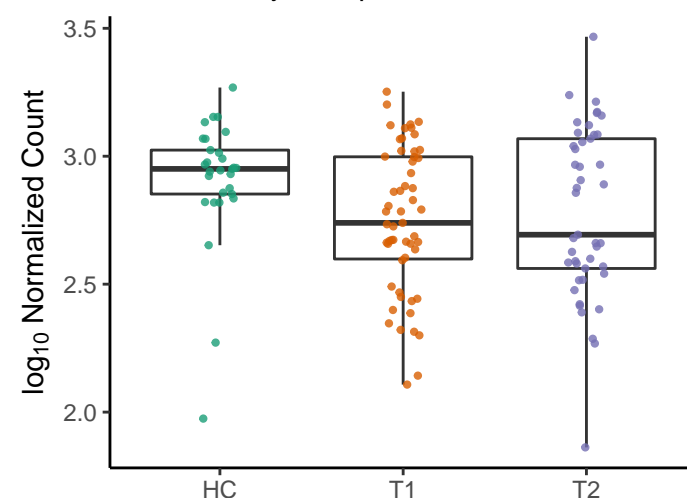
### Songiibacteraceae

non-ED vs. T1 adjusted  $p = 0.025$   
non-ED vs. T2 adjusted  $p = 0.12$   
T1 vs. T2 adjusted  $p = 0.73$



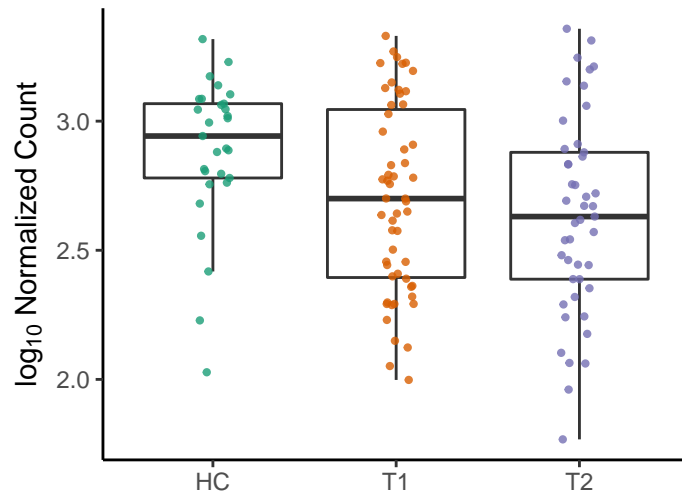
### Calotrichaceae

non-ED vs. T1 adjusted  $p = 0.025$   
non-ED vs. T2 adjusted  $p = 0.095$   
T1 vs. T2 adjusted  $p = 0.88$



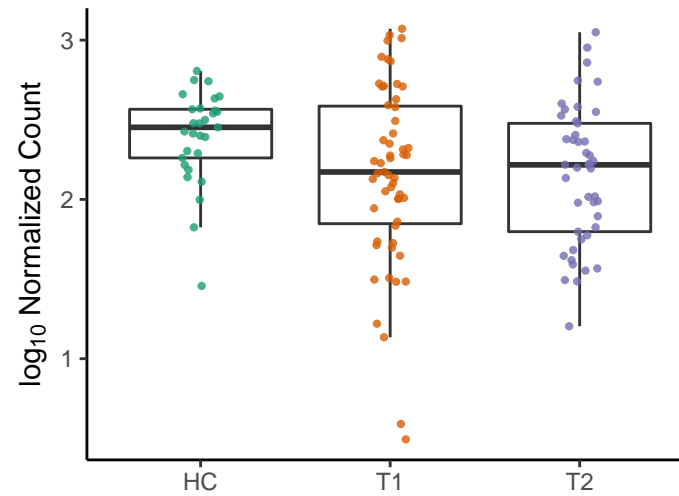
### Brachyspiraceae

non-ED vs. T1 adjusted  $p = 0.025$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.73$



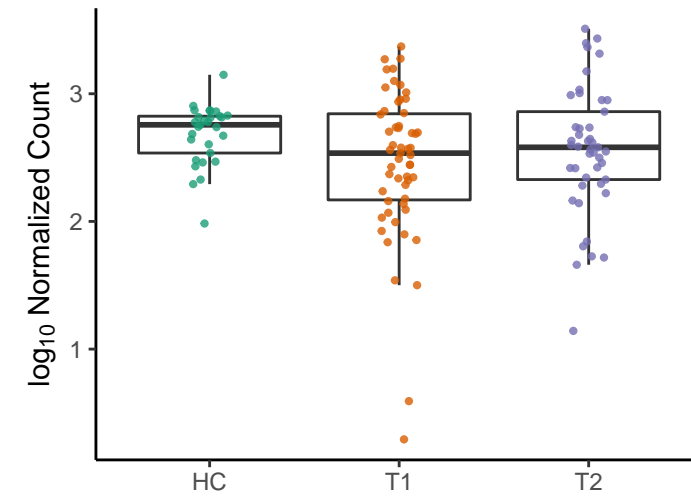
### Sandaracinaceae

non-ED vs. T1 adjusted  $p = 0.026$   
non-ED vs. T2 adjusted  $p = 0.022$   
T1 vs. T2 adjusted  $p = 0.89$



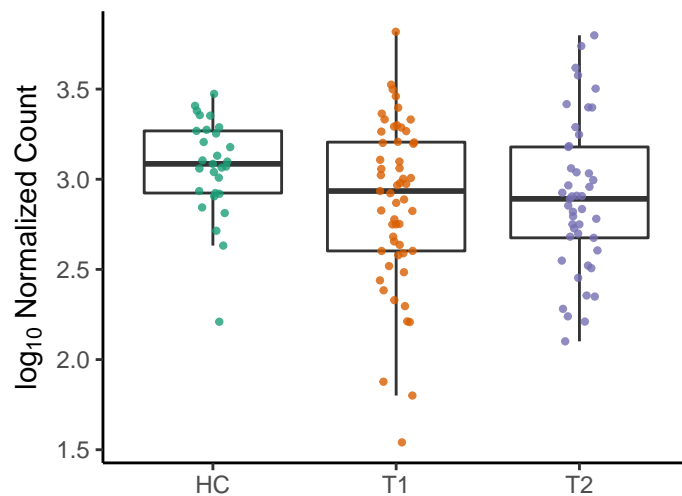
### Geodermatophilaceae

non-ED vs. T1 adjusted  $p = 0.026$   
non-ED vs. T2 adjusted  $p = 0.19$   
T1 vs. T2 adjusted  $p = 0.73$



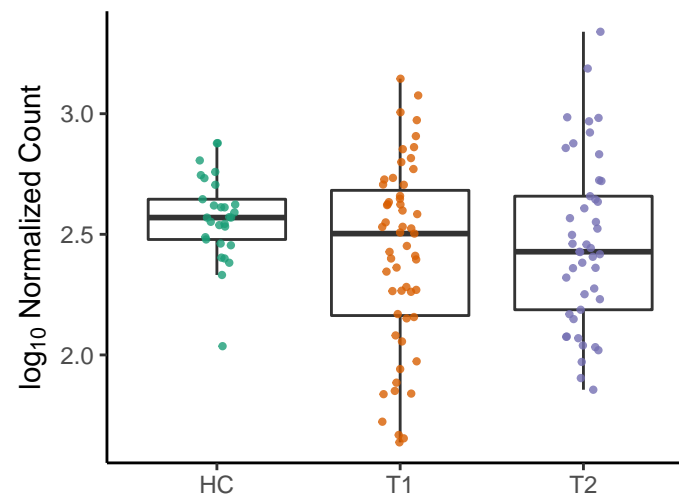
### Frankiaceae

non-ED vs. T1 adjusted  $p = 0.027$   
non-ED vs. T2 adjusted  $p = 0.059$   
T1 vs. T2 adjusted  $p = 0.79$



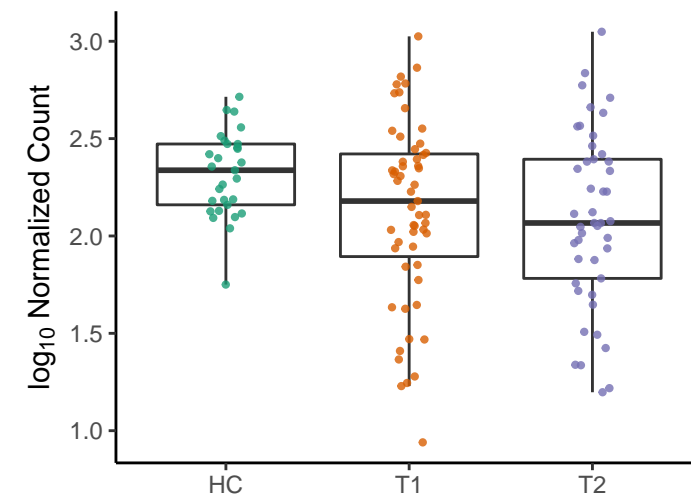
### Acidithiobacillaceae

non-ED vs. T1 adjusted  $p = 0.027$   
non-ED vs. T2 adjusted  $p = 0.12$   
T1 vs. T2 adjusted  $p = 0.73$



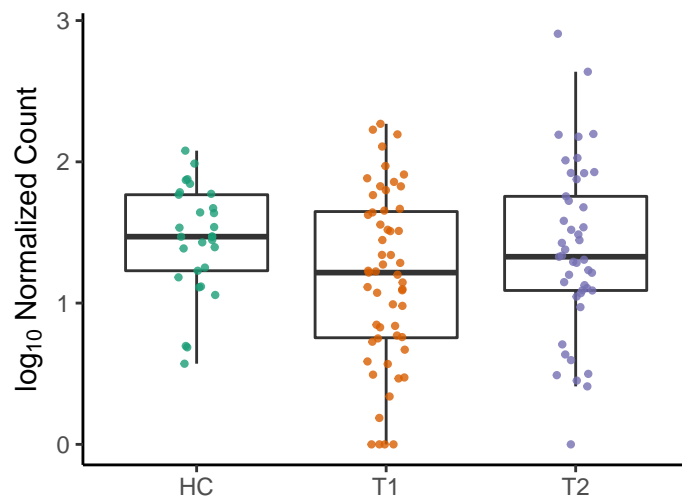
### Labilitrichaceae

non-ED vs. T1 adjusted  $p = 0.027$   
non-ED vs. T2 adjusted  $p = 0.02$   
T1 vs. T2 adjusted  $p = 0.88$



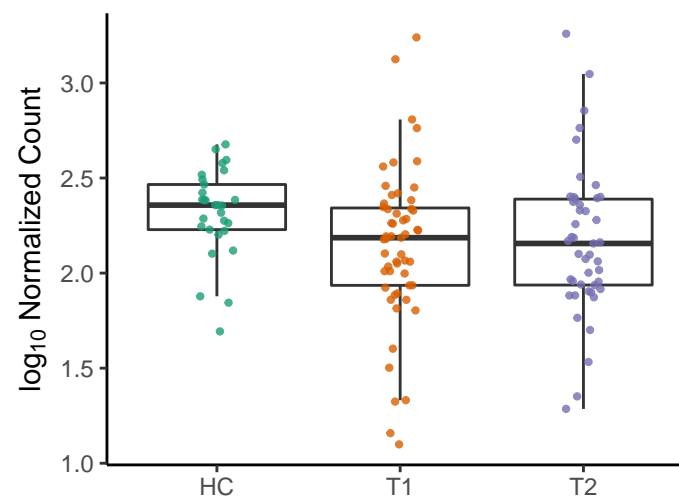
### Picrophilaceae

non-ED vs. T1 adjusted  $p = 0.027$   
non-ED vs. T2 adjusted  $p = 0.57$   
T1 vs. T2 adjusted  $p = 0.73$



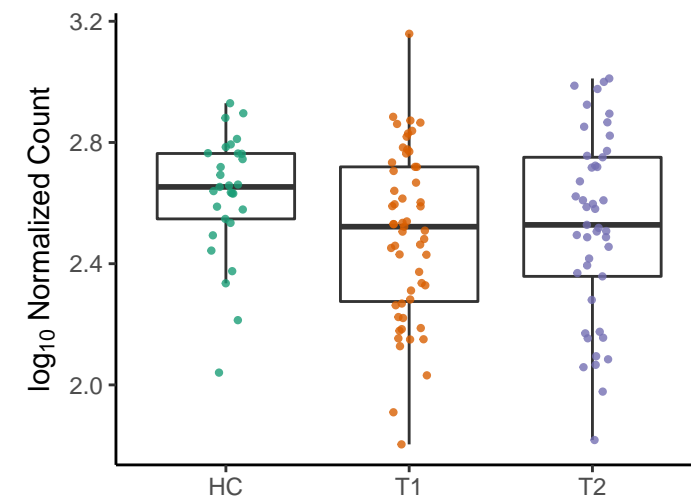
### Unclassified Epsilonproteobacteria Class

non-ED vs. T1 adjusted  $p = 0.027$   
non-ED vs. T2 adjusted  $p = 0.062$   
T1 vs. T2 adjusted  $p = 0.88$



### Microcoleaceae

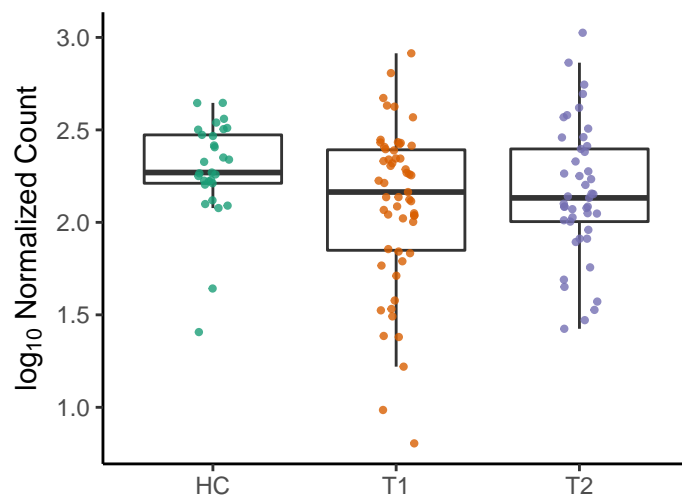
non-ED vs. T1 adjusted  $p = 0.027$   
non-ED vs. T2 adjusted  $p = 0.11$   
T1 vs. T2 adjusted  $p = 0.8$





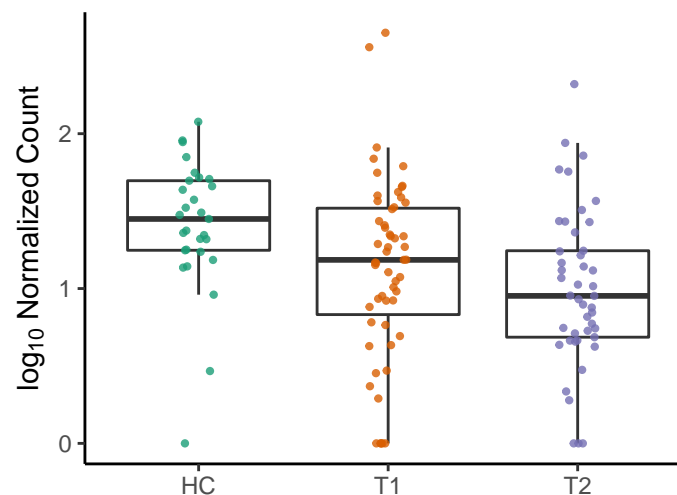
### Chrysiogenaceae

non-ED vs. T1 adjusted  $p = 0.028$   
non-ED vs. T2 adjusted  $p = 0.13$   
T1 vs. T2 adjusted  $p = 0.73$



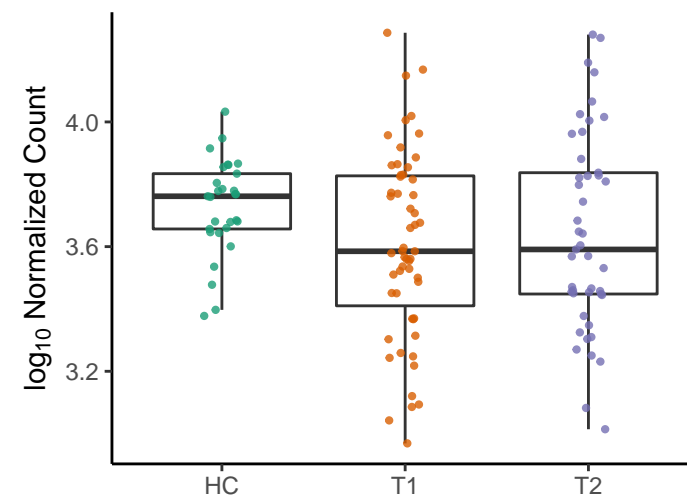
### Methanothermaceae

non-ED vs. T1 adjusted  $p = 0.028$   
non-ED vs. T2 adjusted  $p = 0.0075$   
T1 vs. T2 adjusted  $p = 0.73$



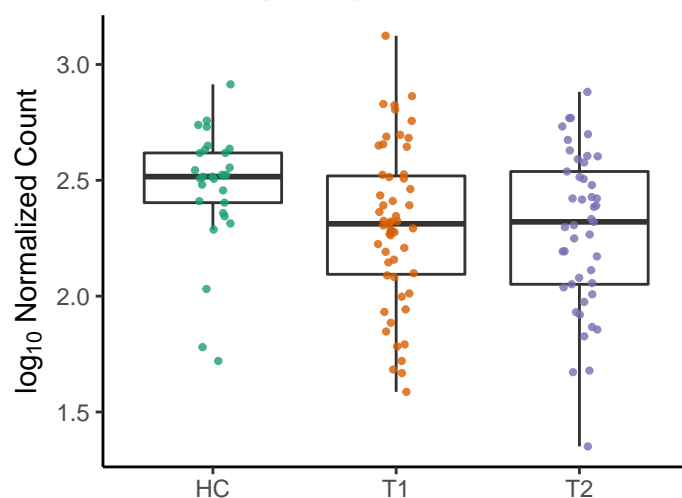
### Spirochaetaceae

non-ED vs. T1 adjusted  $p = 0.028$   
non-ED vs. T2 adjusted  $p = 0.16$   
T1 vs. T2 adjusted  $p = 0.75$



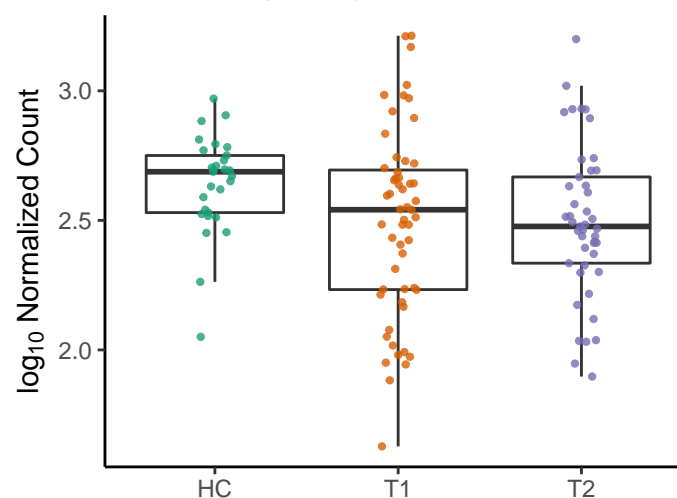
### Unclassified Cyanobacteria Phylum

non-ED vs. T1 adjusted  $p = 0.028$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 0.88$



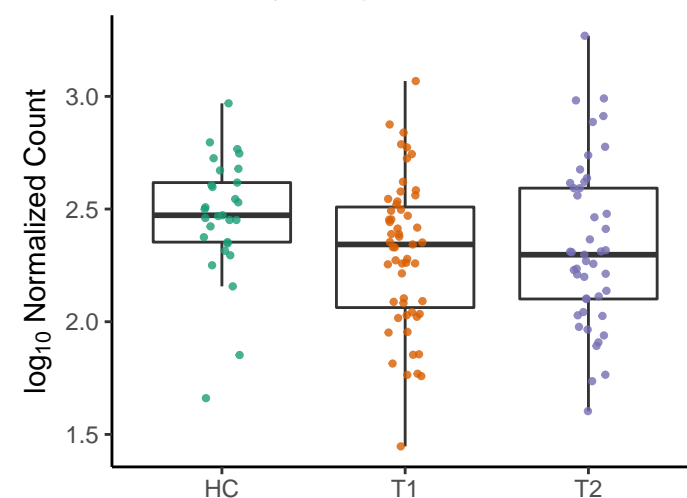
### Haliaceae

non-ED vs. T1 adjusted  $p = 0.028$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 0.88$



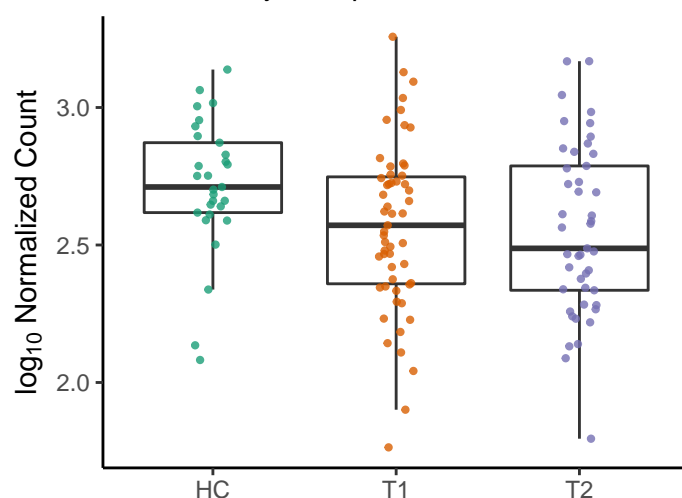
### Mycosphaerellaceae

non-ED vs. T1 adjusted  $p = 0.028$   
non-ED vs. T2 adjusted  $p = 0.1$   
T1 vs. T2 adjusted  $p = 0.73$



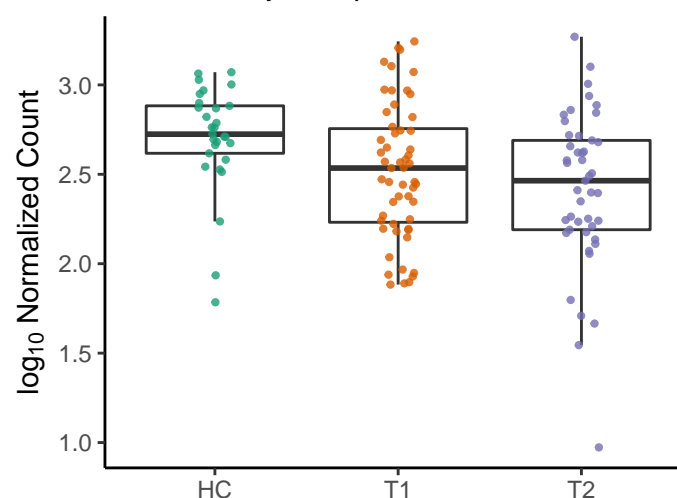
### Colwelliaceae

non-ED vs. T1 adjusted  $p = 0.029$   
non-ED vs. T2 adjusted  $p = 0.03$   
T1 vs. T2 adjusted  $p = 0.99$



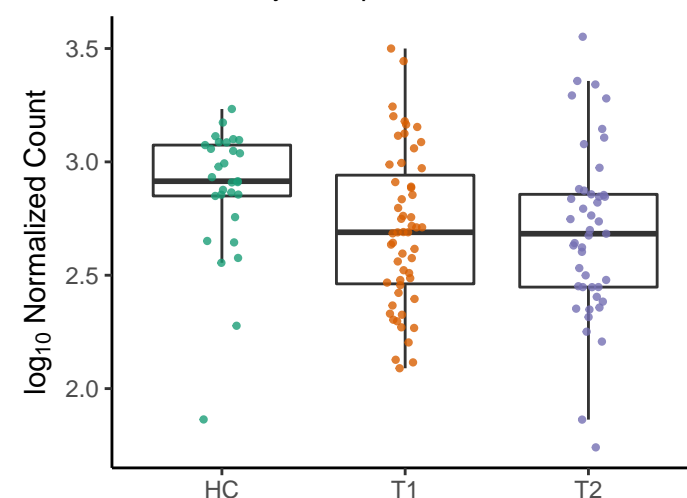
### Borreliaceae

non-ED vs. T1 adjusted  $p = 0.03$   
non-ED vs. T2 adjusted  $p = 0.014$   
T1 vs. T2 adjusted  $p = 0.73$



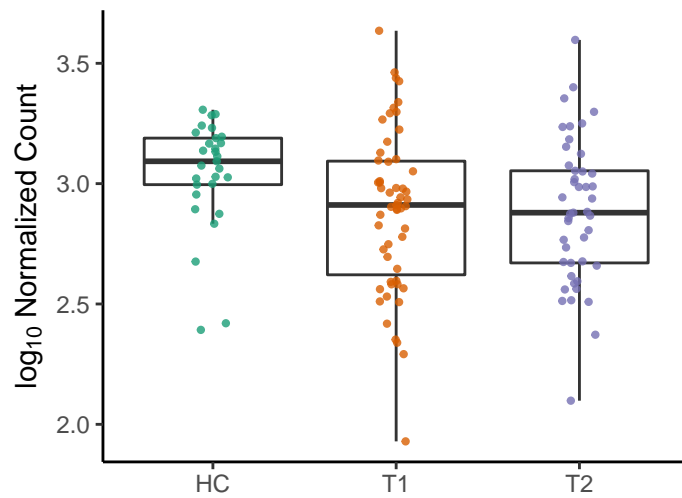
### Halanaerobiaceae

non-ED vs. T1 adjusted  $p = 0.03$   
non-ED vs. T2 adjusted  $p = 0.039$   
T1 vs. T2 adjusted  $p = 1$



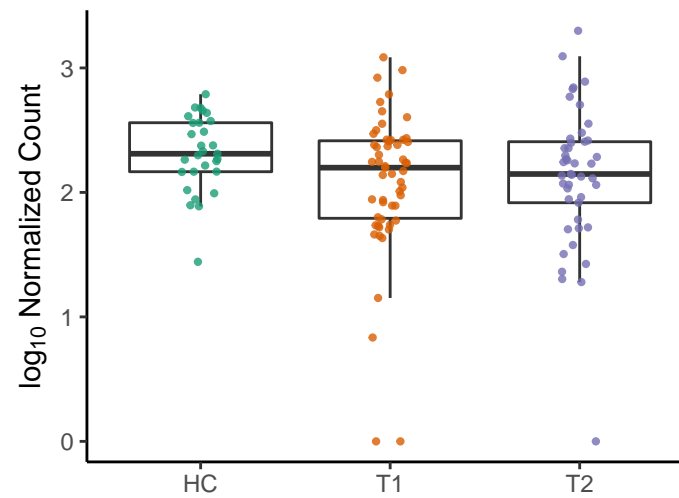
### Legionellaceae

non-ED vs. T1 adjusted  $p = 0.03$   
non-ED vs. T2 adjusted  $p = 0.031$   
T1 vs. T2 adjusted  $p = 0.91$



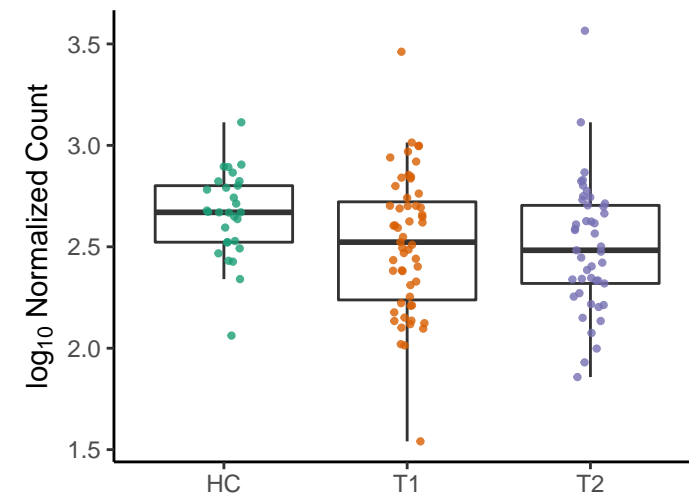
### Sphaerobacteraceae

non-ED vs. T1 adjusted  $p = 0.031$   
non-ED vs. T2 adjusted  $p = 0.098$   
T1 vs. T2 adjusted  $p = 0.75$



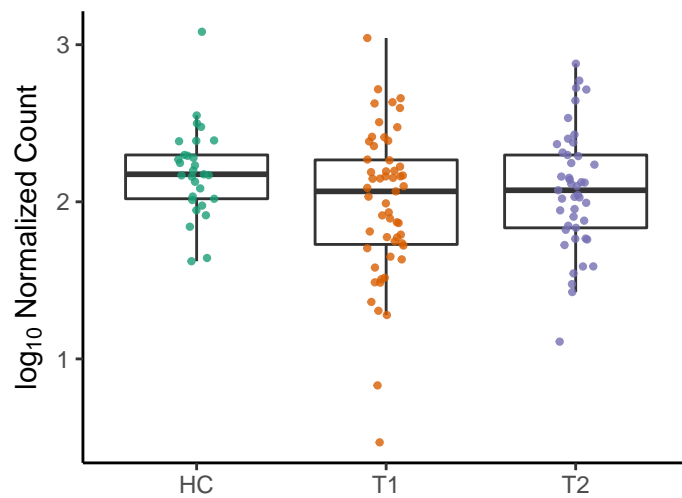
### Aphanothecaceae

non-ED vs. T1 adjusted  $p = 0.031$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 1$



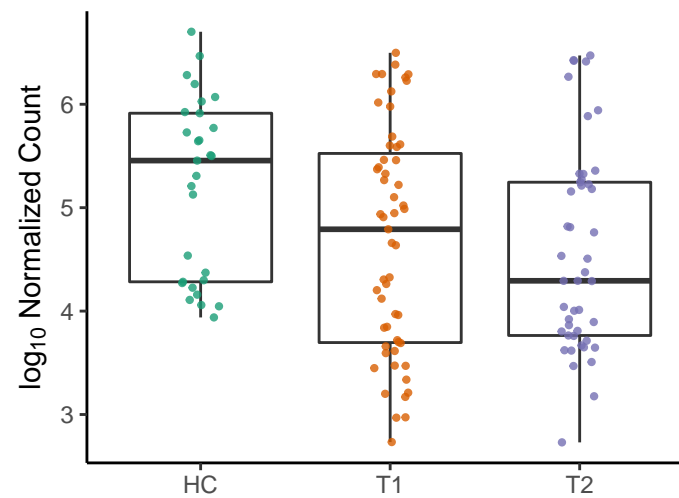
### Thioalkalibacteraceae

non-ED vs. T1 adjusted  $p = 0.031$   
non-ED vs. T2 adjusted  $p = 0.17$   
T1 vs. T2 adjusted  $p = 0.73$



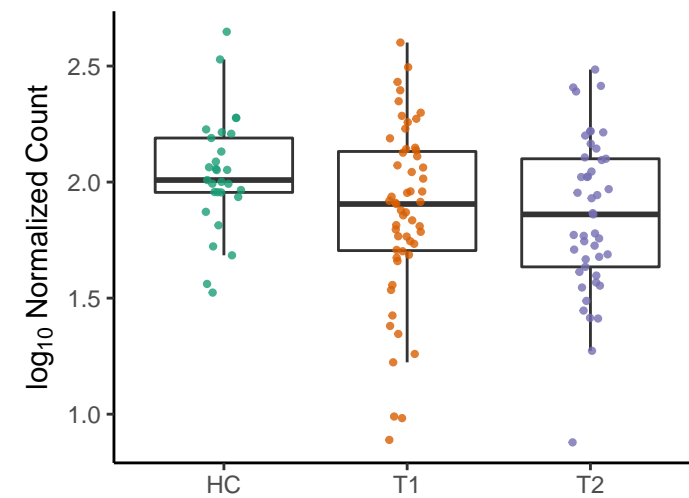
### Coriobacteriaceae

non-ED vs. T1 adjusted  $p = 0.032$   
non-ED vs. T2 adjusted  $p = 0.02$   
T1 vs. T2 adjusted  $p = 0.91$



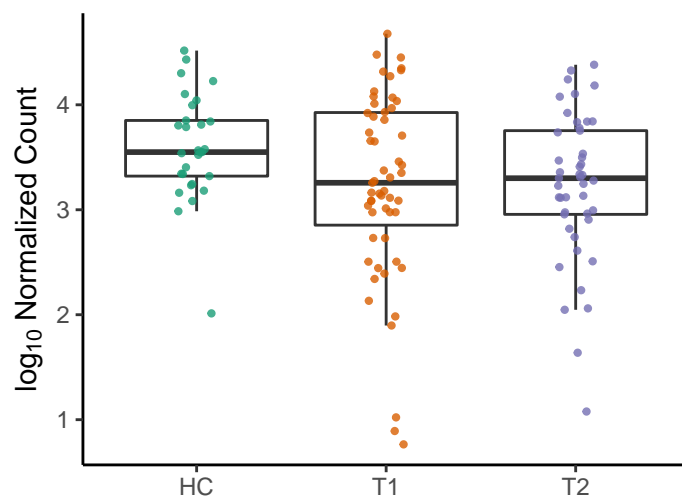
### Nitrososphaeraceae

non-ED vs. T1 adjusted  $p = 0.032$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 0.97$



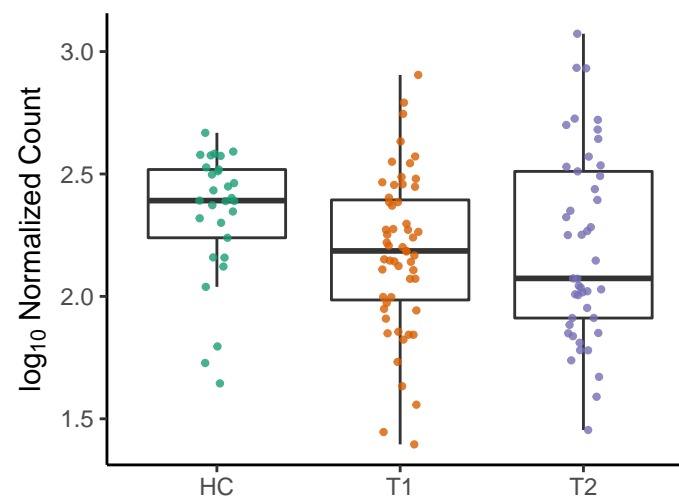
### Unclassified Coriobacteriia Class

non-ED vs. T1 adjusted  $p = 0.032$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 0.83$



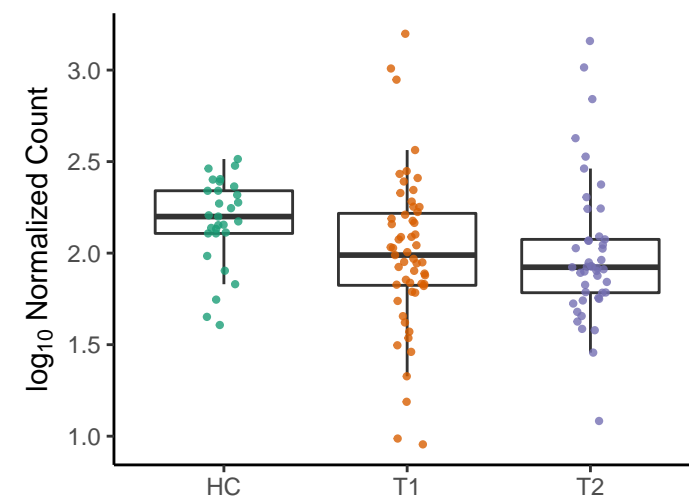
### Sclerotiniaceae

non-ED vs. T1 adjusted  $p = 0.032$   
non-ED vs. T2 adjusted  $p = 0.11$   
T1 vs. T2 adjusted  $p = 0.98$



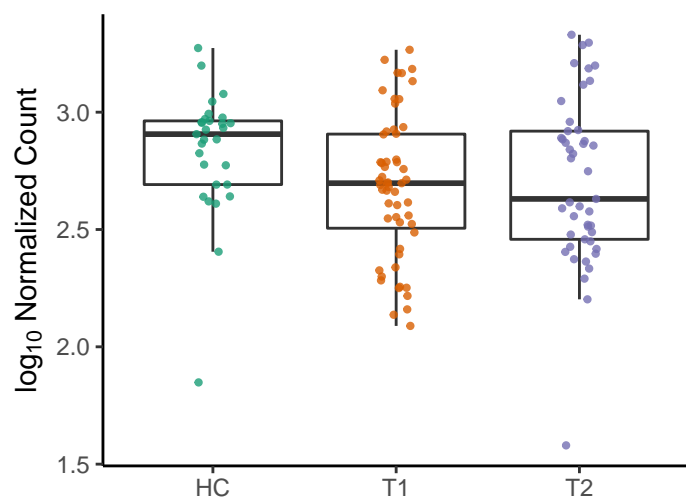
### Thiotrichaceae

non-ED vs. T1 adjusted  $p = 0.033$   
non-ED vs. T2 adjusted  $p = 0.038$   
T1 vs. T2 adjusted  $p = 0.95$



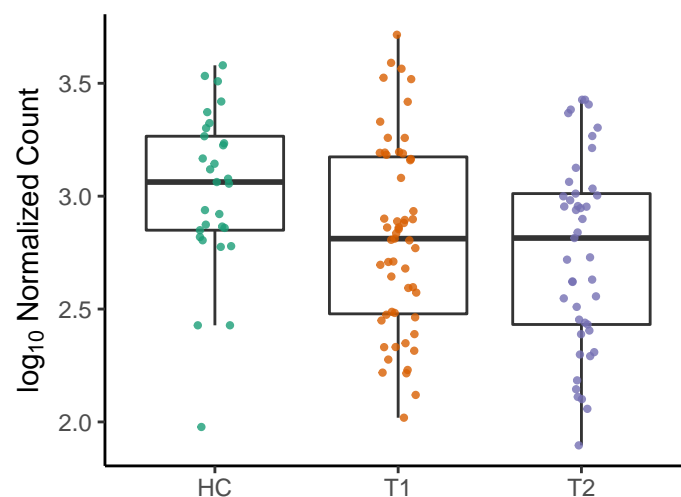
### Vallitaleaceae

non-ED vs. T1 adjusted  $p = 0.033$   
non-ED vs. T2 adjusted  $p = 0.11$   
T1 vs. T2 adjusted  $p = 0.88$



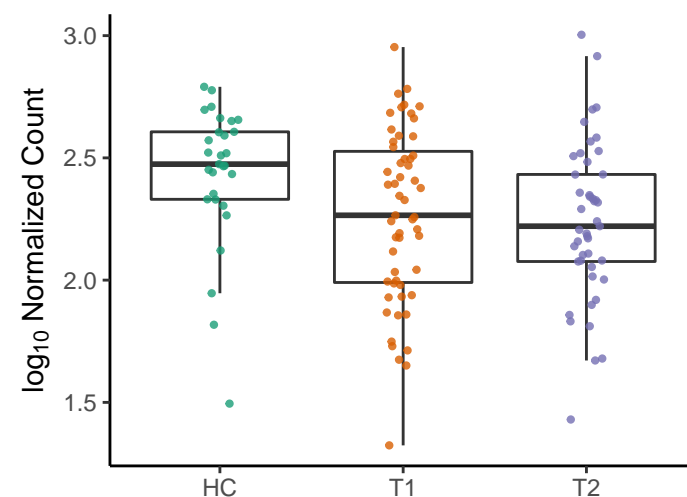
### Spiroplasmataceae

non-ED vs. T1 adjusted  $p = 0.033$   
non-ED vs. T2 adjusted  $p = 0.018$   
T1 vs. T2 adjusted  $p = 0.73$



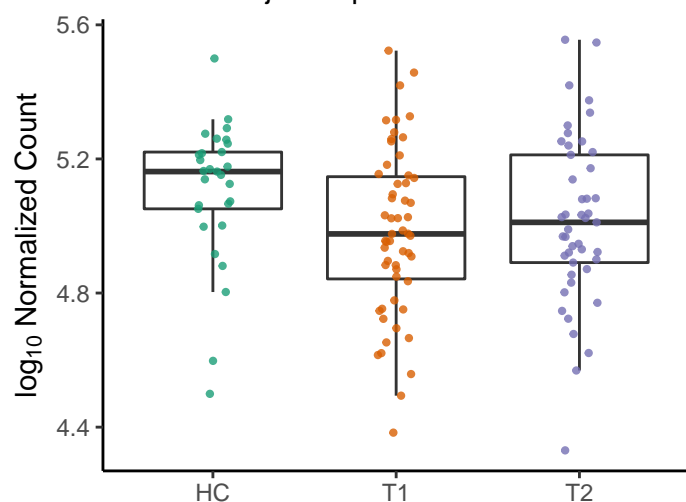
### Aphanizomenonaceae

non-ED vs. T1 adjusted  $p = 0.033$   
non-ED vs. T2 adjusted  $p = 0.026$   
T1 vs. T2 adjusted  $p = 0.92$



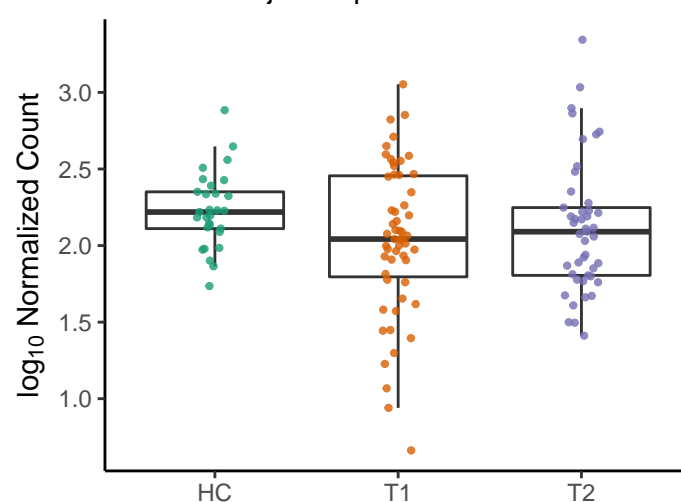
### Unclassified Firmicutes Phylum

non-ED vs. T1 adjusted  $p = 0.034$   
non-ED vs. T2 adjusted  $p = 0.14$   
T1 vs. T2 adjusted  $p = 0.76$



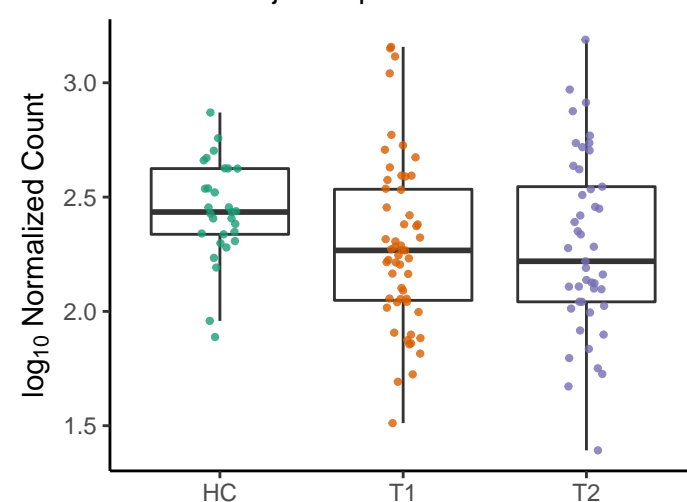
### Unclassified Planctomycetales Order

non-ED vs. T1 adjusted  $p = 0.034$   
non-ED vs. T2 adjusted  $p = 0.18$   
T1 vs. T2 adjusted  $p = 0.75$



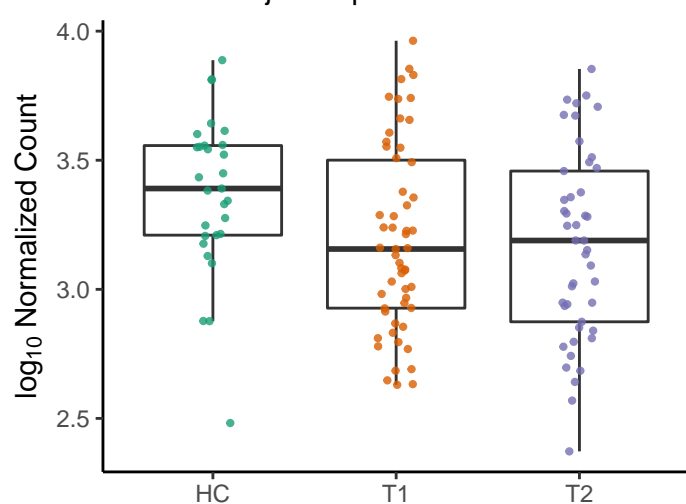
### Cryptococcaceae

non-ED vs. T1 adjusted  $p = 0.035$   
non-ED vs. T2 adjusted  $p = 0.057$   
T1 vs. T2 adjusted  $p = 0.92$



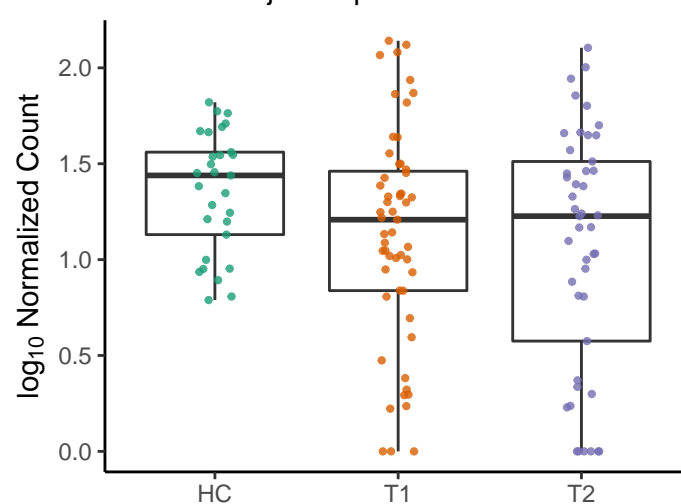
### Mycoplasmataceae

non-ED vs. T1 adjusted  $p = 0.035$   
non-ED vs. T2 adjusted  $p = 0.029$   
T1 vs. T2 adjusted  $p = 0.84$



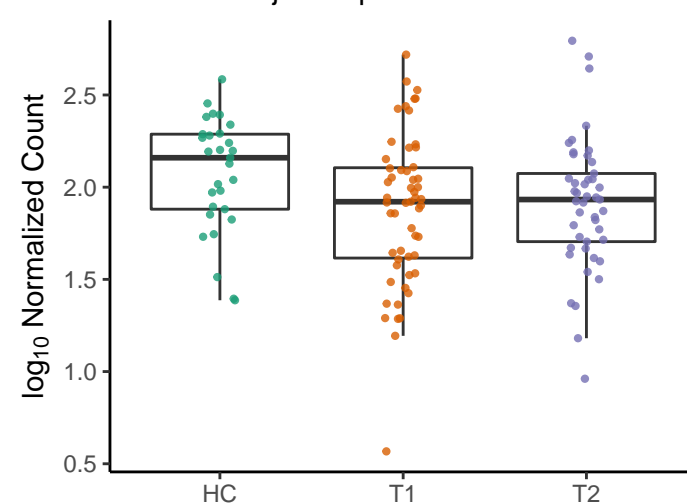
### Caldisphaeraceae

non-ED vs. T1 adjusted  $p = 0.035$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 0.76$



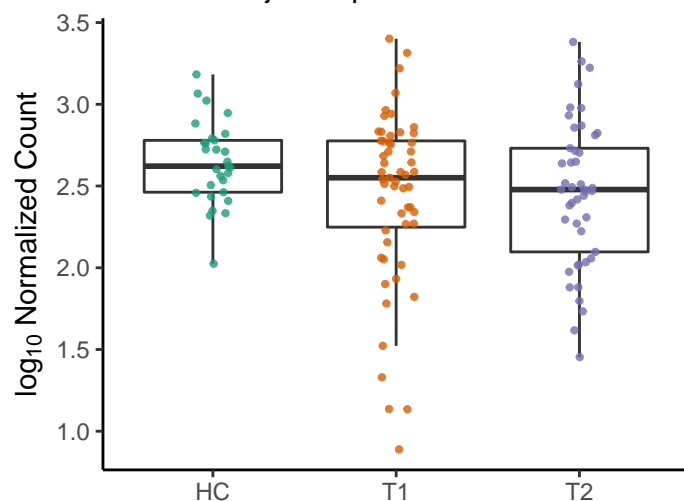
### Merismopediaceae

non-ED vs. T1 adjusted  $p = 0.035$   
non-ED vs. T2 adjusted  $p = 0.07$   
T1 vs. T2 adjusted  $p = 0.8$



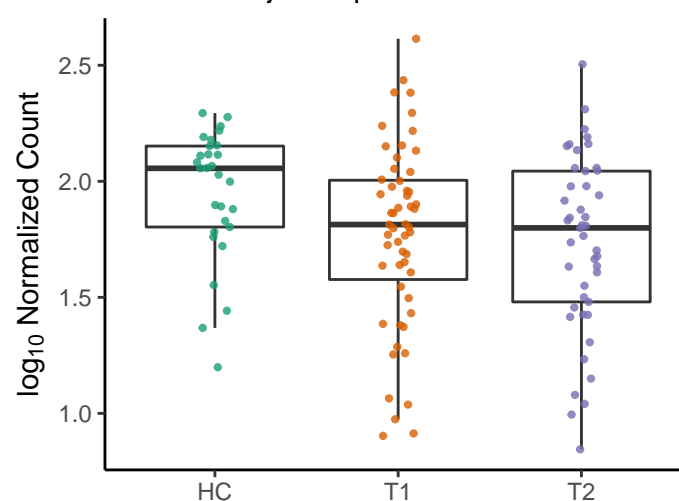
### Unclassified Deltaproteobacteria Class

non-ED vs. T1 adjusted  $p = 0.035$   
non-ED vs. T2 adjusted  $p = 0.044$   
T1 vs. T2 adjusted  $p = 0.89$



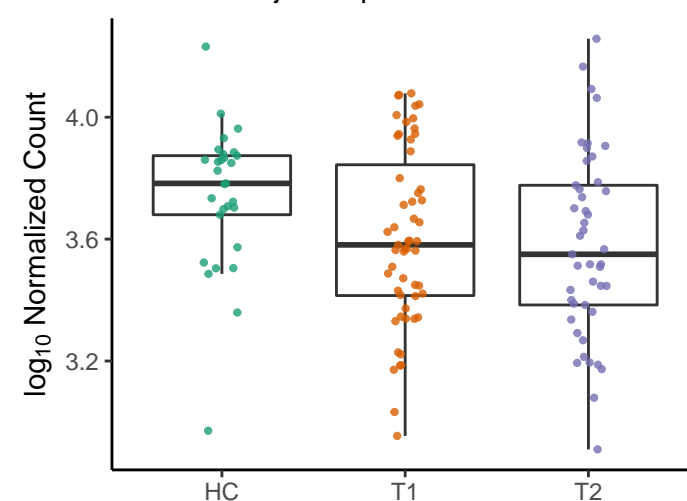
### Candidatus Brocadiaceae

non-ED vs. T1 adjusted  $p = 0.035$   
non-ED vs. T2 adjusted  $p = 0.023$   
T1 vs. T2 adjusted  $p = 0.84$



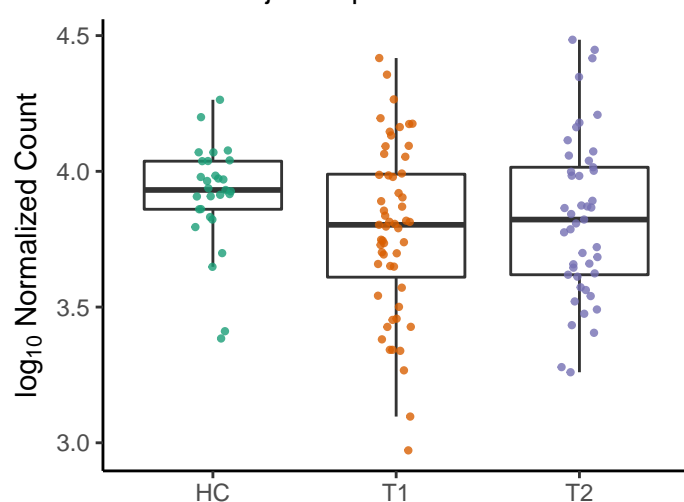
### Unclassified Bacillales Order

non-ED vs. T1 adjusted  $p = 0.036$   
non-ED vs. T2 adjusted  $p = 0.029$   
T1 vs. T2 adjusted  $p = 0.99$



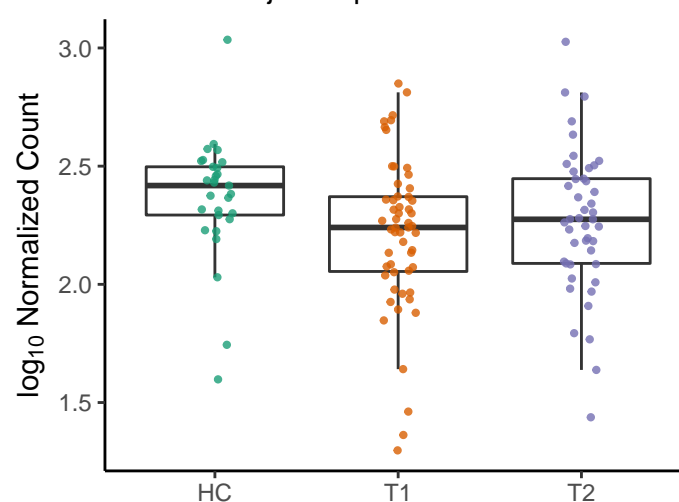
### Peptococcaceae

non-ED vs. T1 adjusted  $p = 0.037$   
non-ED vs. T2 adjusted  $p = 0.19$   
T1 vs. T2 adjusted  $p = 0.73$



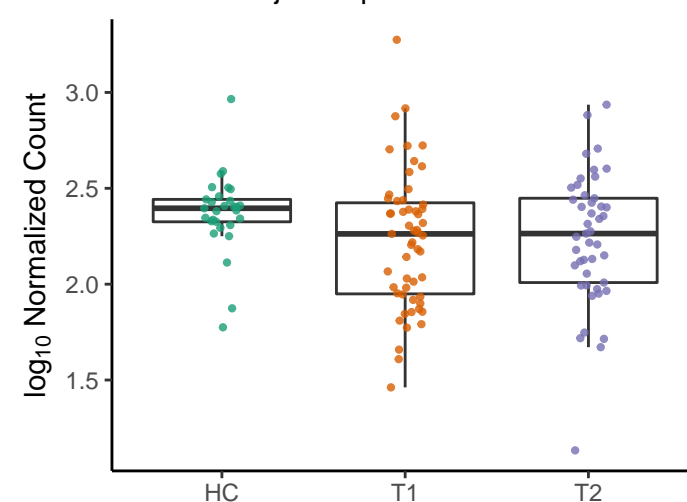
### Budviciaceae

non-ED vs. T1 adjusted  $p = 0.037$   
non-ED vs. T2 adjusted  $p = 0.17$   
T1 vs. T2 adjusted  $p = 0.73$



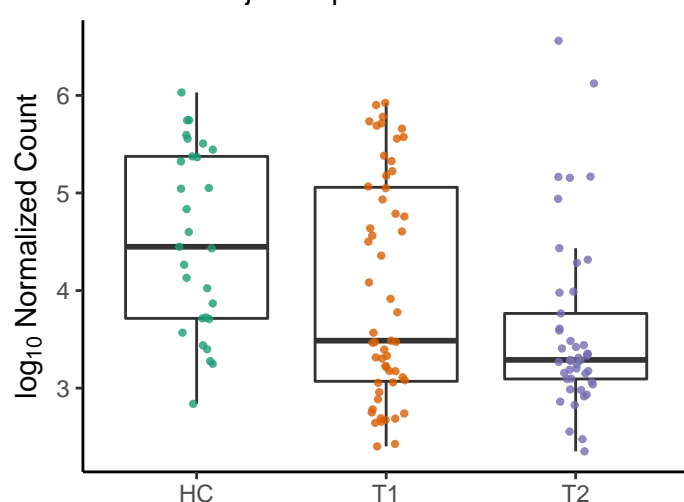
### Coxiellaceae

non-ED vs. T1 adjusted  $p = 0.038$   
non-ED vs. T2 adjusted  $p = 0.07$   
T1 vs. T2 adjusted  $p = 0.87$



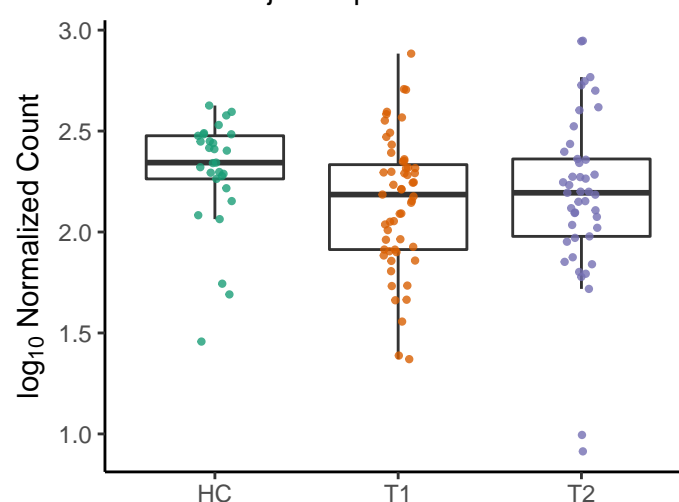
### Akkermansiaceae

non-ED vs. T1 adjusted  $p = 0.04$   
non-ED vs. T2 adjusted  $p = 0.0041$   
T1 vs. T2 adjusted  $p = 0.73$



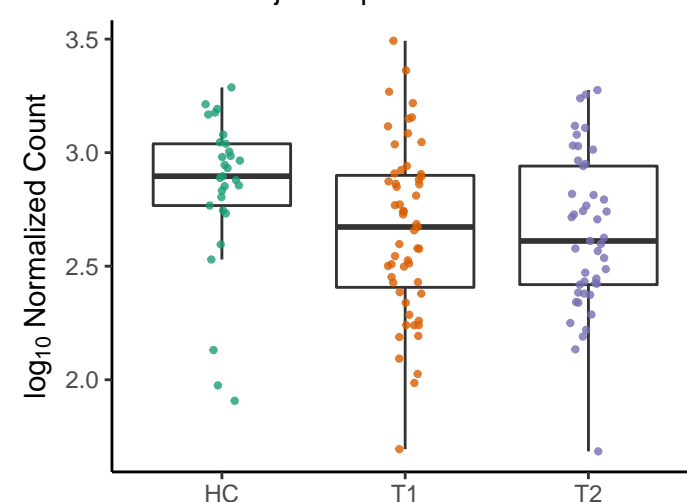
### Unclassified Halanaerobiales Order

non-ED vs. T1 adjusted  $p = 0.04$   
non-ED vs. T2 adjusted  $p = 0.17$   
T1 vs. T2 adjusted  $p = 0.88$



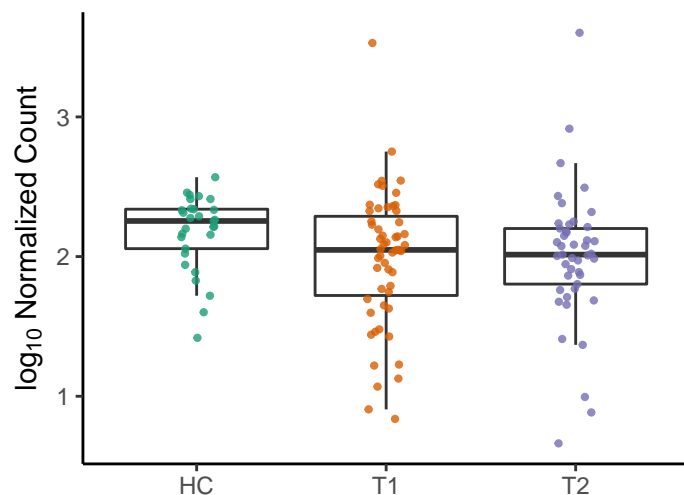
### Francisellaceae

non-ED vs. T1 adjusted  $p = 0.041$   
non-ED vs. T2 adjusted  $p = 0.037$   
T1 vs. T2 adjusted  $p = 0.94$



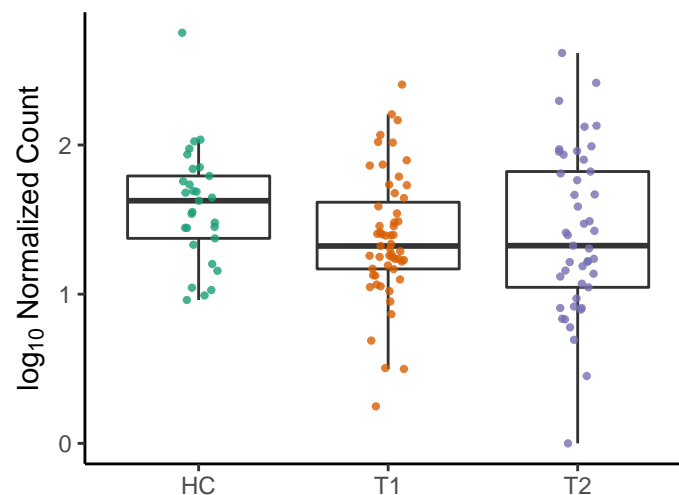
### Halscomenobacteraceae

non-ED vs. T1 adjusted  $p = 0.041$   
non-ED vs. T2 adjusted  $p = 0.075$   
T1 vs. T2 adjusted  $p = 0.99$



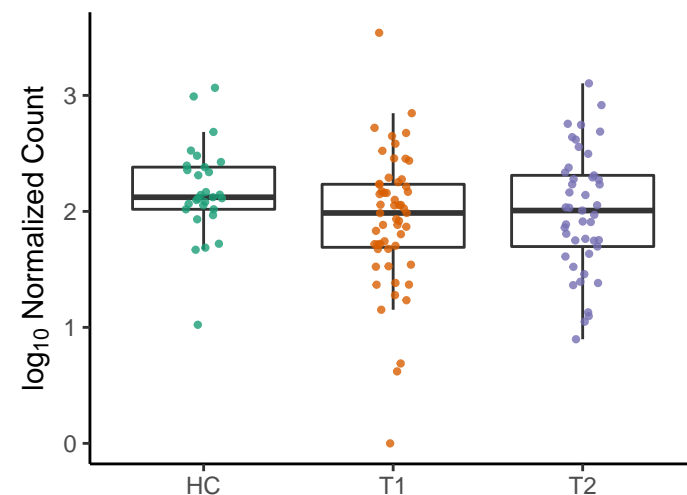
### Simkaniaceae

non-ED vs. T1 adjusted  $p = 0.041$   
non-ED vs. T2 adjusted  $p = 0.13$   
T1 vs. T2 adjusted  $p = 0.75$



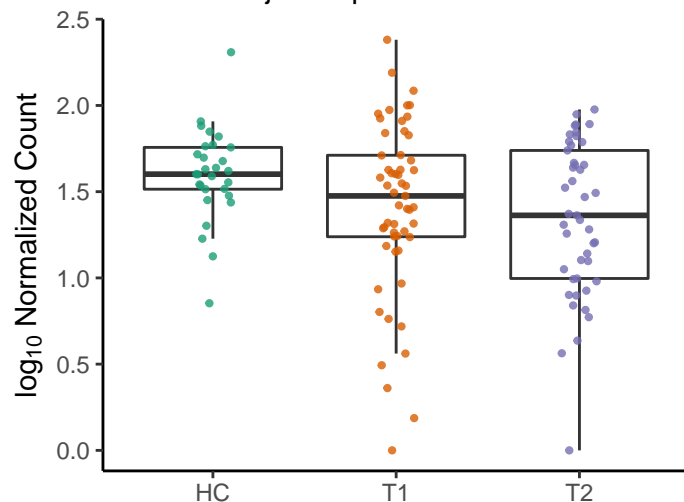
### Egicoccaceae

non-ED vs. T1 adjusted  $p = 0.041$   
non-ED vs. T2 adjusted  $p = 0.13$   
T1 vs. T2 adjusted  $p = 0.73$



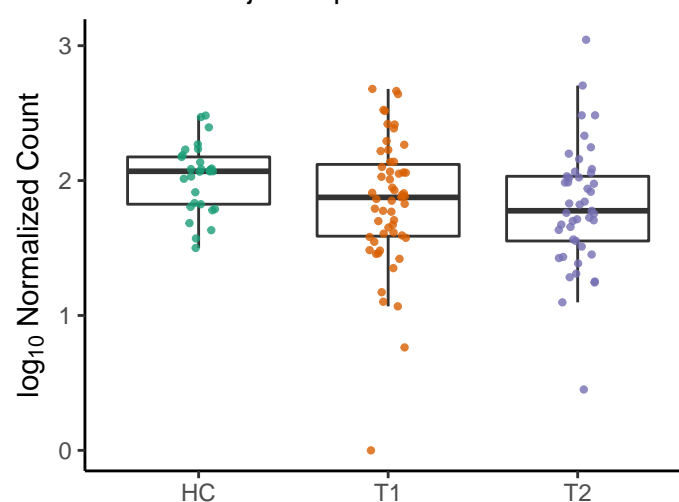
### Jonesiaceae

non-ED vs. T1 adjusted  $p = 0.041$   
non-ED vs. T2 adjusted  $p = 0.016$   
T1 vs. T2 adjusted  $p = 1$



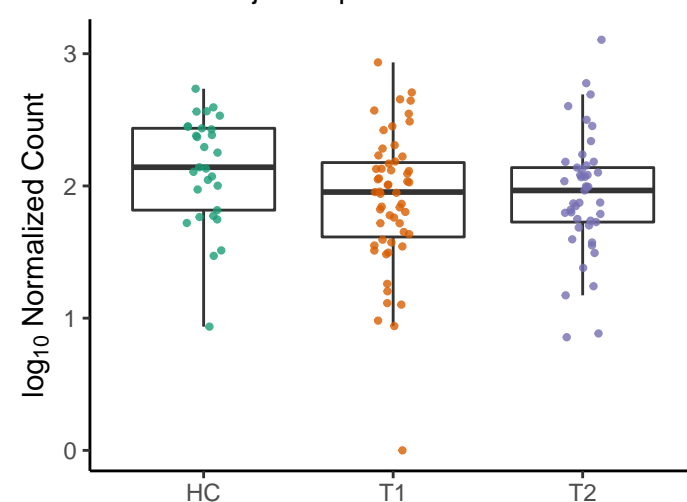
### Unclassified Desulfuromonadales Order

non-ED vs. T1 adjusted  $p = 0.042$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 1$



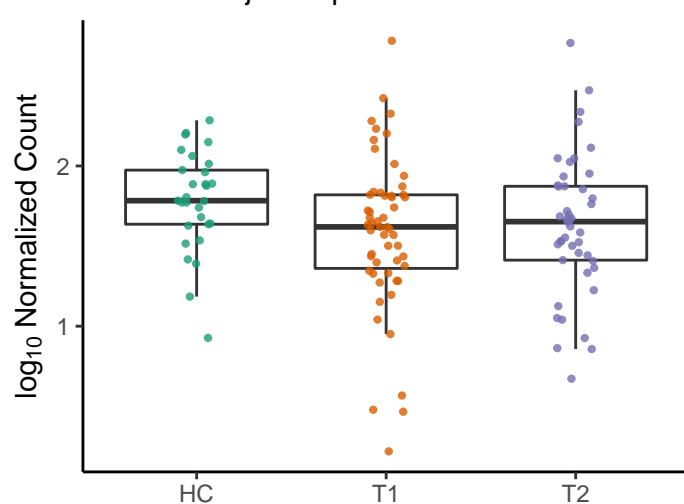
### Bradymonadaceae

non-ED vs. T1 adjusted  $p = 0.043$   
non-ED vs. T2 adjusted  $p = 0.085$   
T1 vs. T2 adjusted  $p = 0.79$



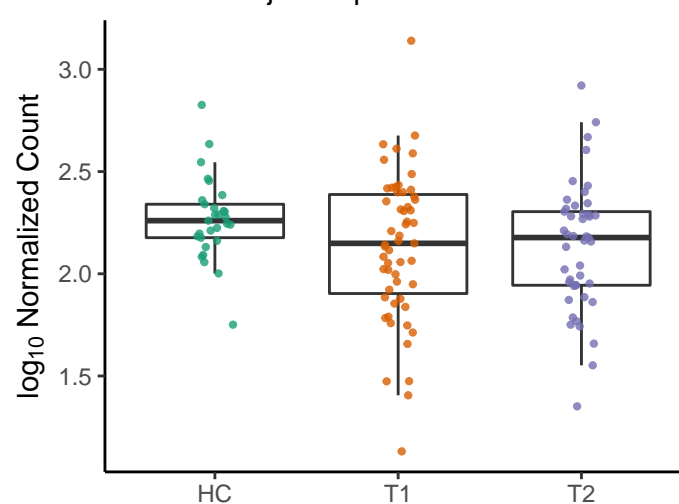
### Hyellaceae

non-ED vs. T1 adjusted  $p = 0.043$   
non-ED vs. T2 adjusted  $p = 0.11$   
T1 vs. T2 adjusted  $p = 0.75$



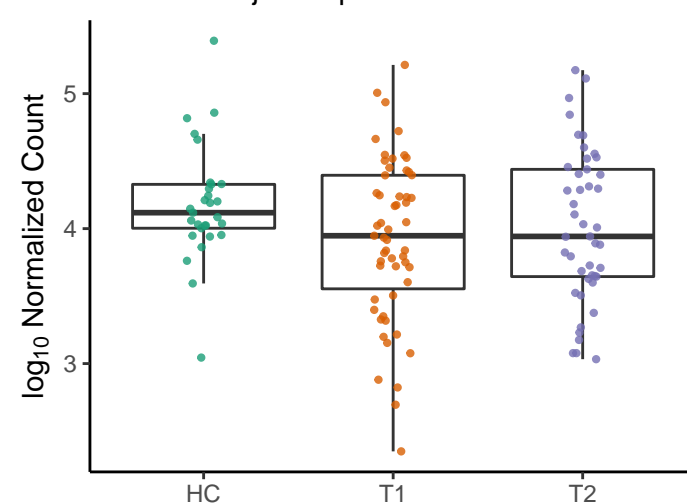
### Granulosicoccaceae

non-ED vs. T1 adjusted  $p = 0.045$   
non-ED vs. T2 adjusted  $p = 0.045$   
T1 vs. T2 adjusted  $p = 0.95$



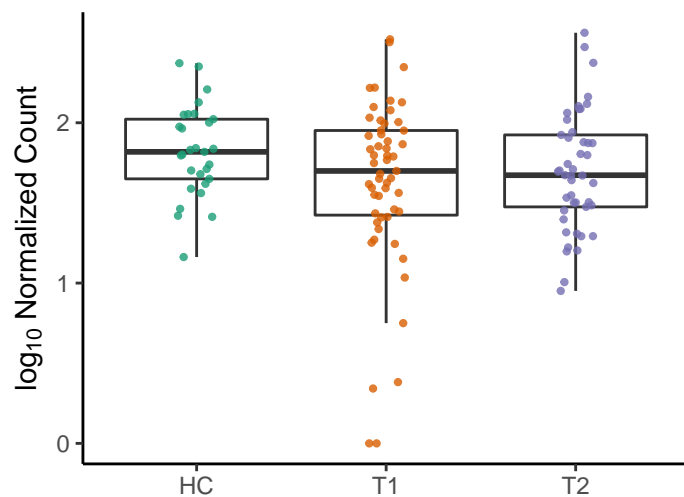
### Atopobiaceae

non-ED vs. T1 adjusted  $p = 0.046$   
non-ED vs. T2 adjusted  $p = 0.19$   
T1 vs. T2 adjusted  $p = 0.73$



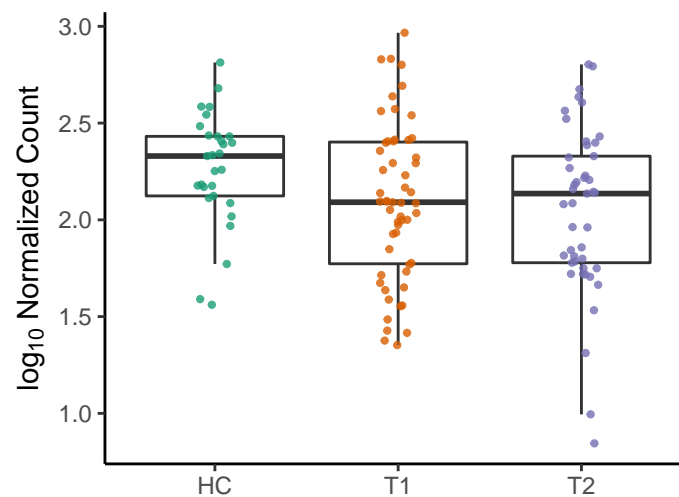
### Acidothermaceae

non-ED vs. T1 adjusted  $p = 0.047$   
non-ED vs. T2 adjusted  $p = 0.13$   
T1 vs. T2 adjusted  $p = 0.73$



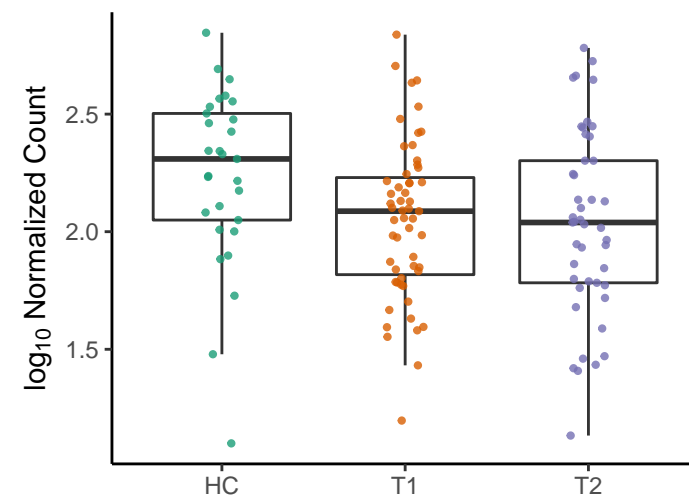
### Halobacteriovoraceae

non-ED vs. T1 adjusted  $p = 0.047$   
non-ED vs. T2 adjusted  $p = 0.03$   
T1 vs. T2 adjusted  $p = 0.89$



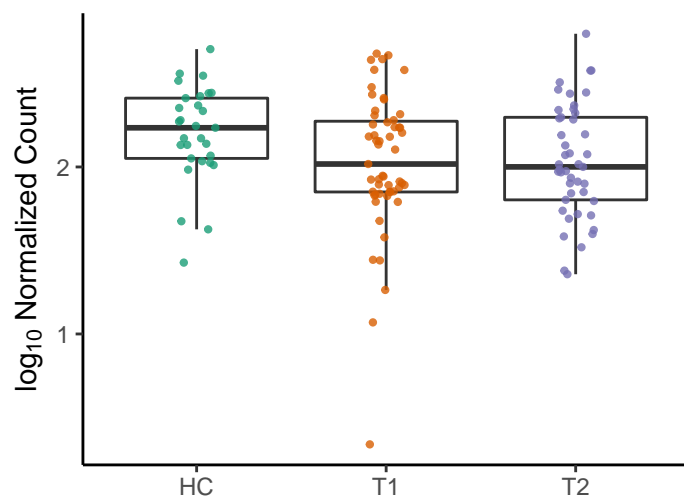
### Hydrogenothermaceae

non-ED vs. T1 adjusted  $p = 0.047$   
non-ED vs. T2 adjusted  $p = 0.056$   
T1 vs. T2 adjusted  $p = 0.95$



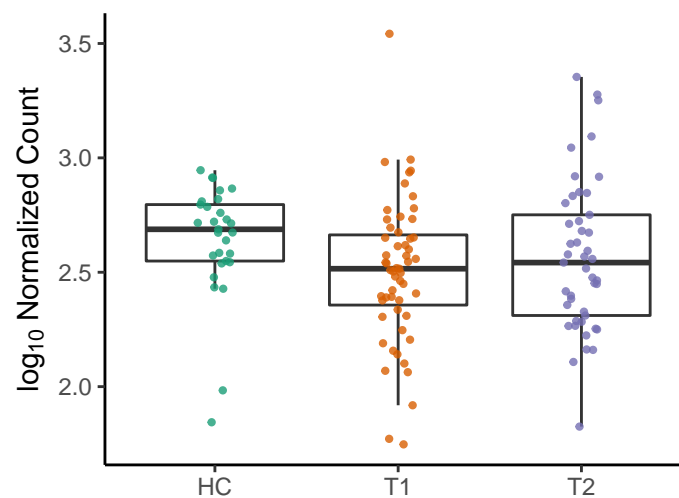
### Moritellaceae

non-ED vs. T1 adjusted  $p = 0.047$   
non-ED vs. T2 adjusted  $p = 0.049$   
T1 vs. T2 adjusted  $p = 1$



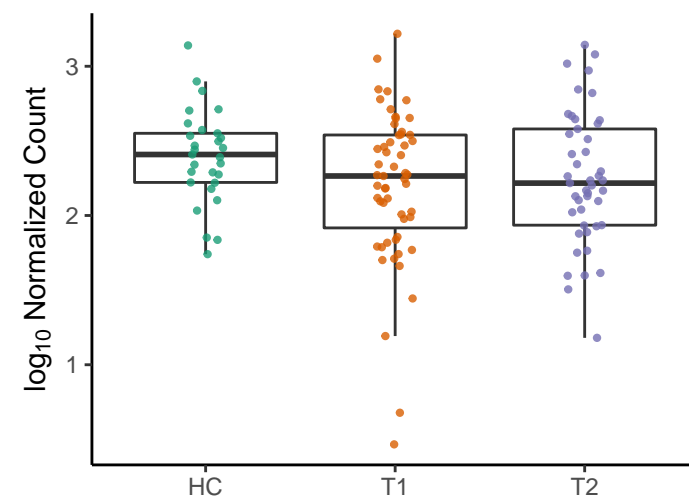
### Sporolactobacillaceae

non-ED vs. T1 adjusted  $p = 0.047$   
non-ED vs. T2 adjusted  $p = 0.31$   
T1 vs. T2 adjusted  $p = 0.73$



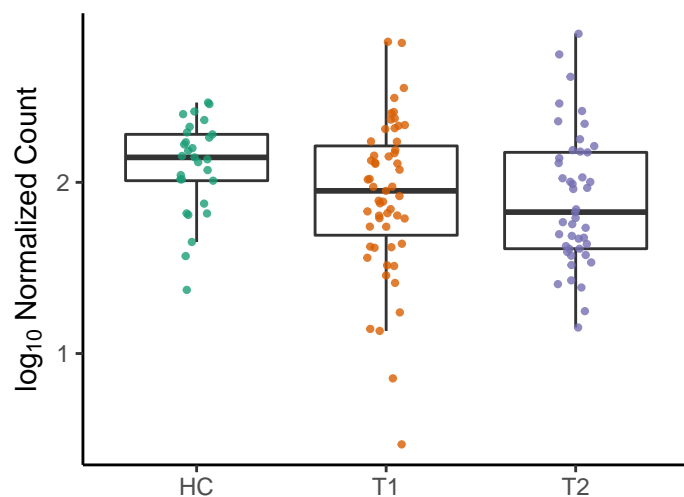
### Unclassified Dehalococcoidia Class

non-ED vs. T1 adjusted  $p = 0.047$   
non-ED vs. T2 adjusted  $p = 0.13$   
T1 vs. T2 adjusted  $p = 0.73$



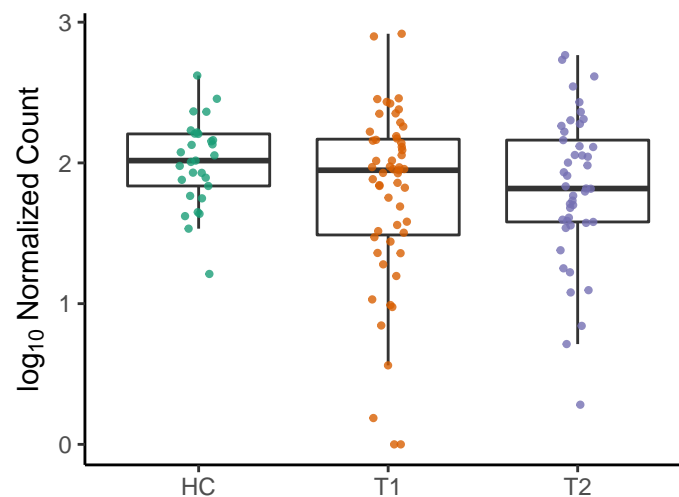
### Calditrichaceae

non-ED vs. T1 adjusted  $p = 0.047$   
non-ED vs. T2 adjusted  $p = 0.03$   
T1 vs. T2 adjusted  $p = 0.89$



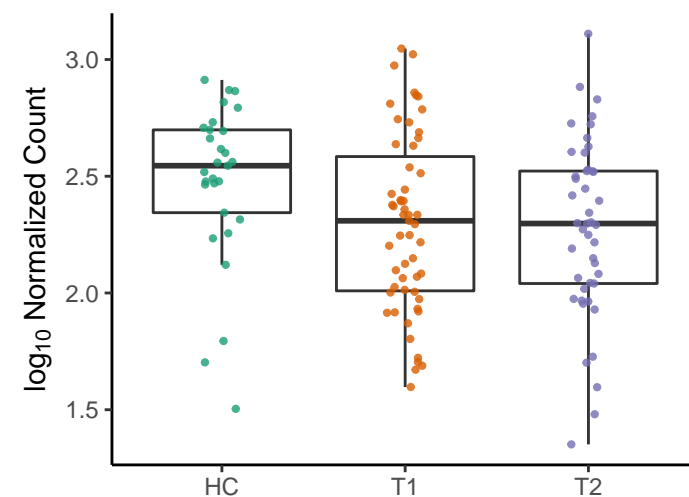
### Unclassified Desulfovibrionales Order

non-ED vs. T1 adjusted  $p = 0.048$   
non-ED vs. T2 adjusted  $p = 0.094$   
T1 vs. T2 adjusted  $p = 0.8$



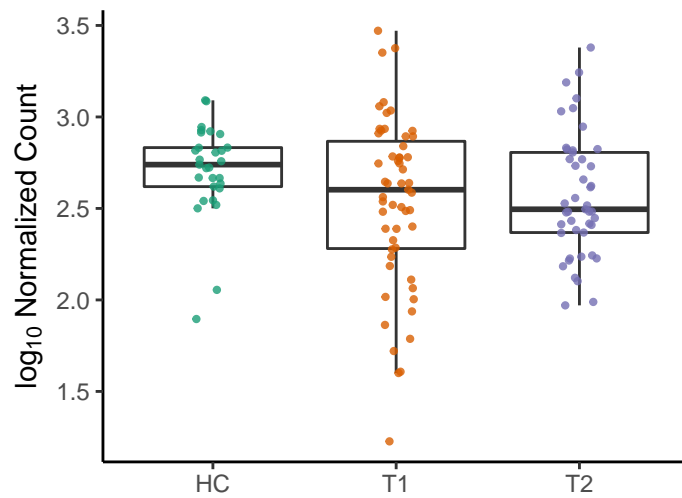
### Petrogaceae

non-ED vs. T1 adjusted  $p = 0.049$   
non-ED vs. T2 adjusted  $p = 0.043$   
T1 vs. T2 adjusted  $p = 0.92$



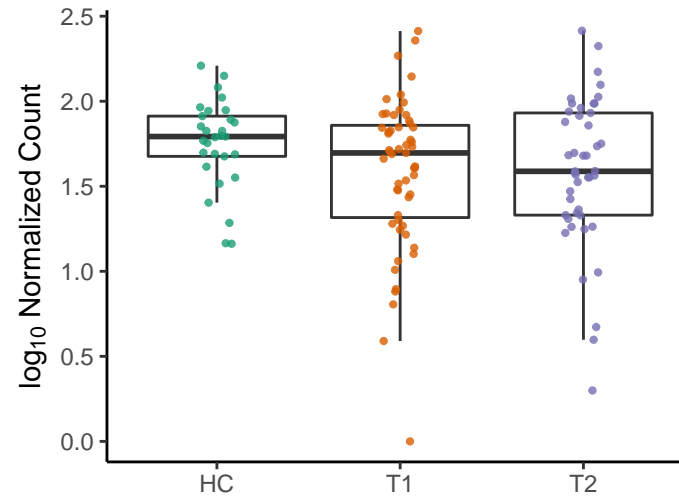
### Rhodocyclaceae

non-ED vs. T1 adjusted  $p = 0.049$   
non-ED vs. T2 adjusted  $p = 0.077$   
T1 vs. T2 adjusted  $p = 0.73$



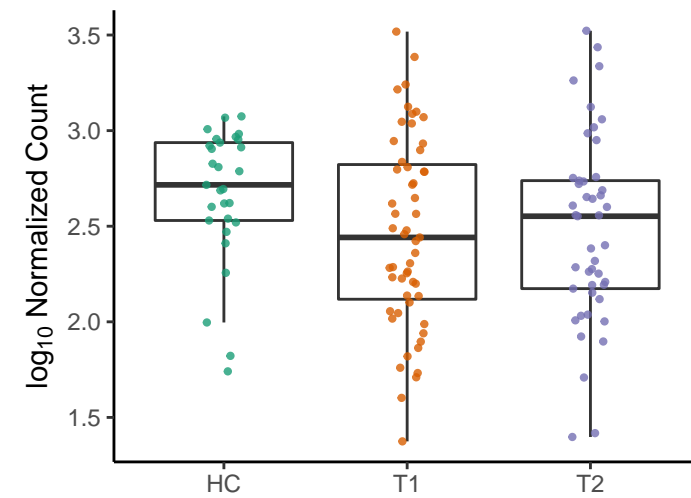
### Gloeomargaritaceae

non-ED vs. T1 adjusted  $p = 0.049$   
non-ED vs. T2 adjusted  $p = 0.065$   
T1 vs. T2 adjusted  $p = 0.89$



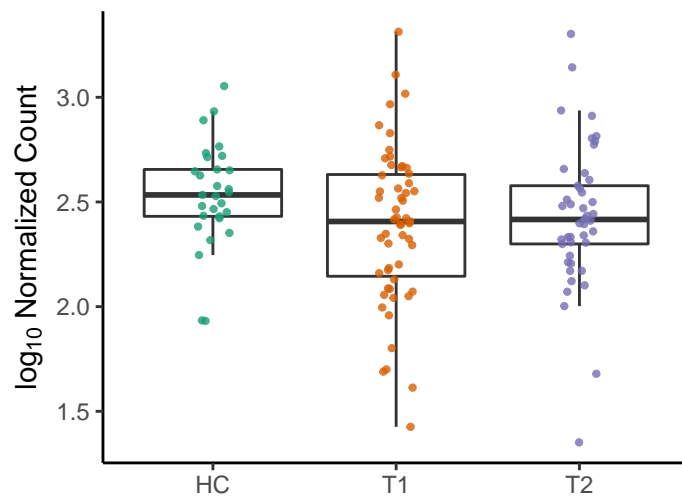
### Rickettsiaceae

non-ED vs. T1 adjusted  $p = 0.05$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 1$



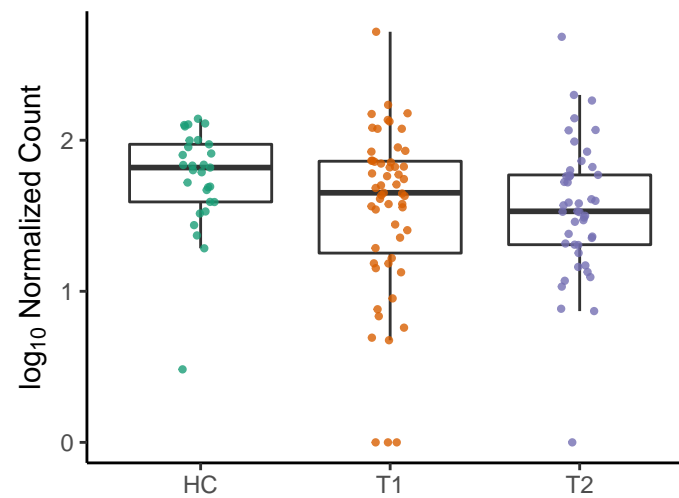
### Saccharospirillaceae

non-ED vs. T1 adjusted  $p = 0.05$   
non-ED vs. T2 adjusted  $p = 0.17$   
T1 vs. T2 adjusted  $p = 0.8$



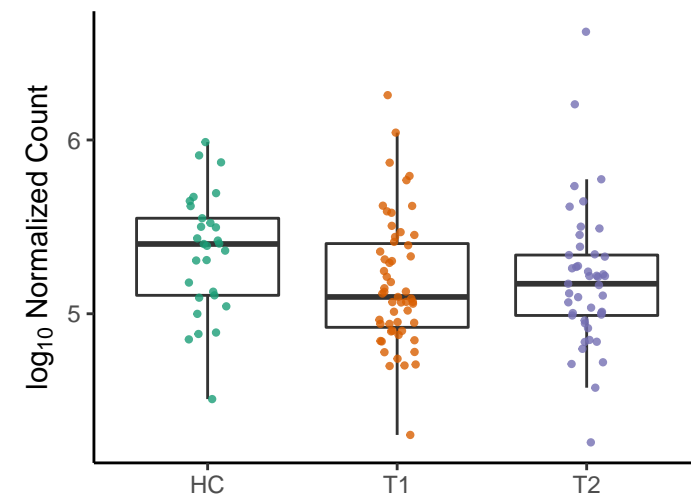
### Woeseiaceae

non-ED vs. T1 adjusted  $p = 0.051$   
non-ED vs. T2 adjusted  $p = 0.05$   
T1 vs. T2 adjusted  $p = 0.91$



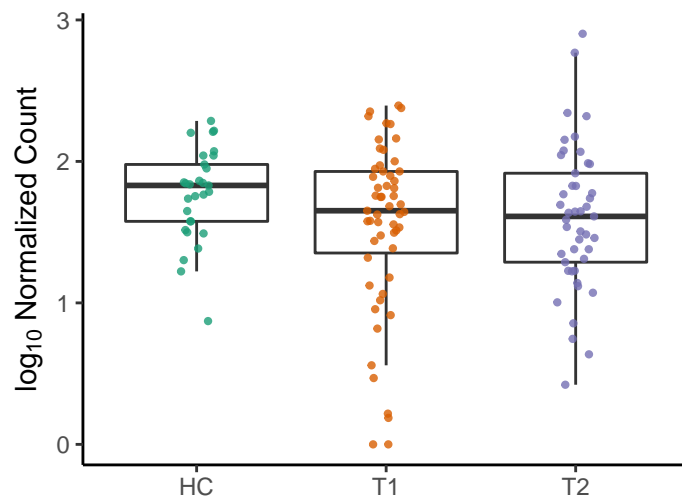
### Erysipelotrichaceae

non-ED vs. T1 adjusted  $p = 0.052$   
non-ED vs. T2 adjusted  $p = 0.11$   
T1 vs. T2 adjusted  $p = 0.92$



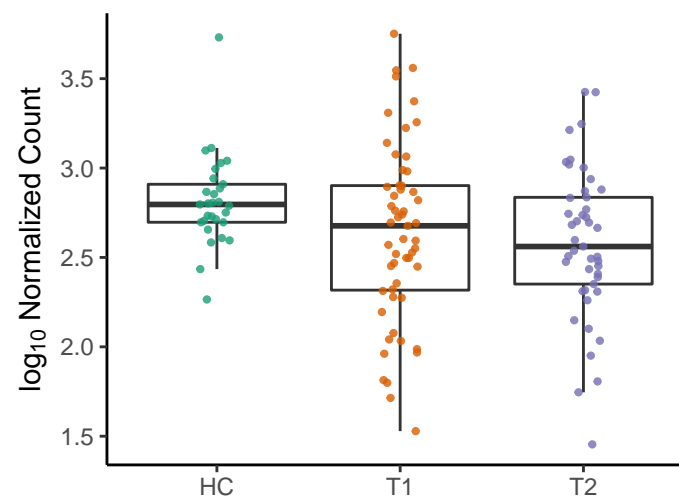
### Candidatus Methanomethylophilaceae

non-ED vs. T1 adjusted  $p = 0.052$   
non-ED vs. T2 adjusted  $p = 0.12$   
T1 vs. T2 adjusted  $p = 0.73$



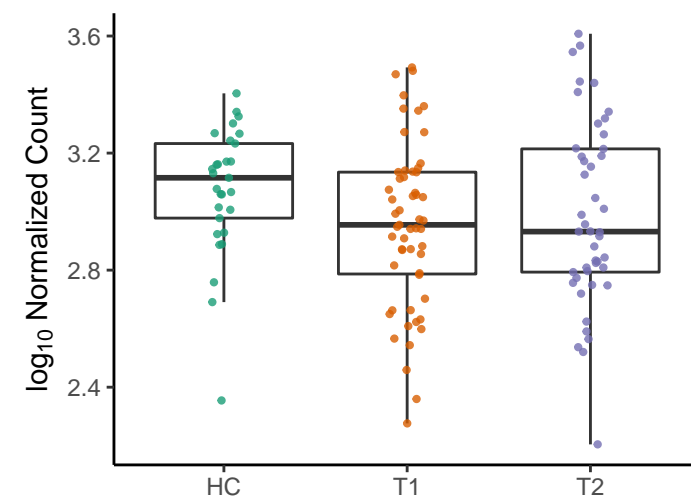
### Verrucomicrobiaceae

non-ED vs. T1 adjusted  $p = 0.052$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.89$



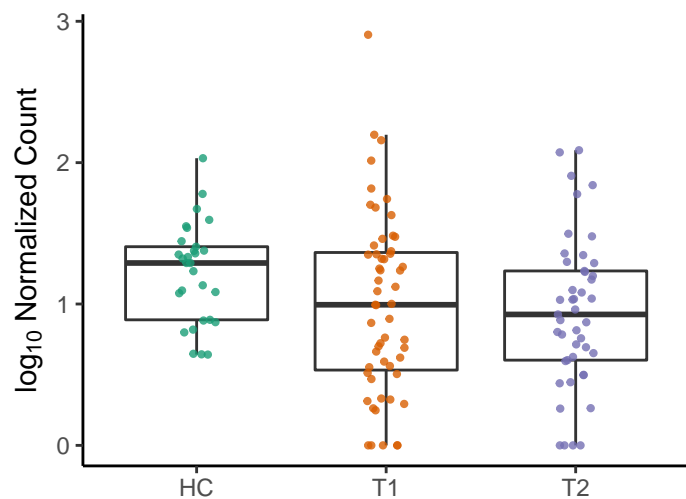
### Sporomusaceae

non-ED vs. T1 adjusted  $p = 0.052$   
non-ED vs. T2 adjusted  $p = 0.2$   
T1 vs. T2 adjusted  $p = 0.73$



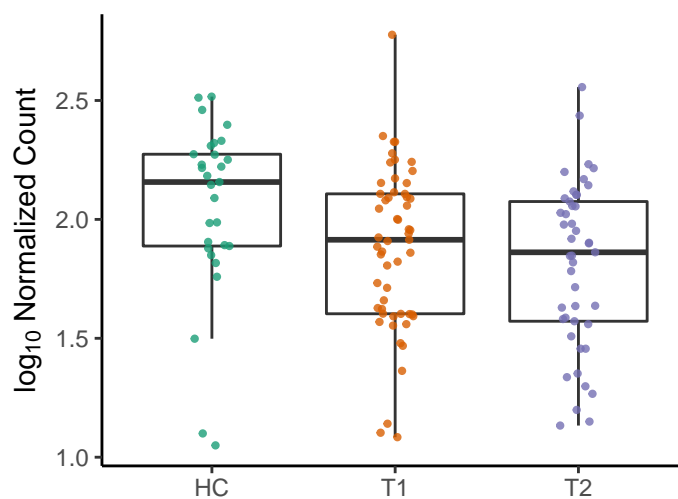
### Thermoplasmataceae

non-ED vs. T1 adjusted  $p = 0.053$   
non-ED vs. T2 adjusted  $p = 0.023$   
T1 vs. T2 adjusted  $p = 0.73$



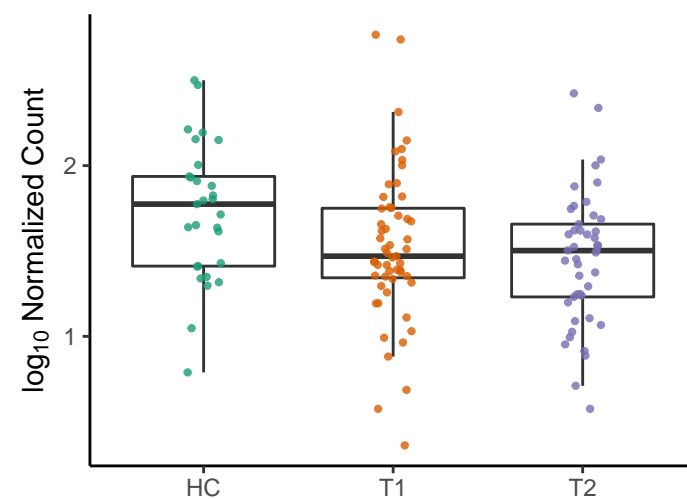
### Pichiaceae

non-ED vs. T1 adjusted  $p = 0.053$   
non-ED vs. T2 adjusted  $p = 0.022$   
T1 vs. T2 adjusted  $p = 0.73$



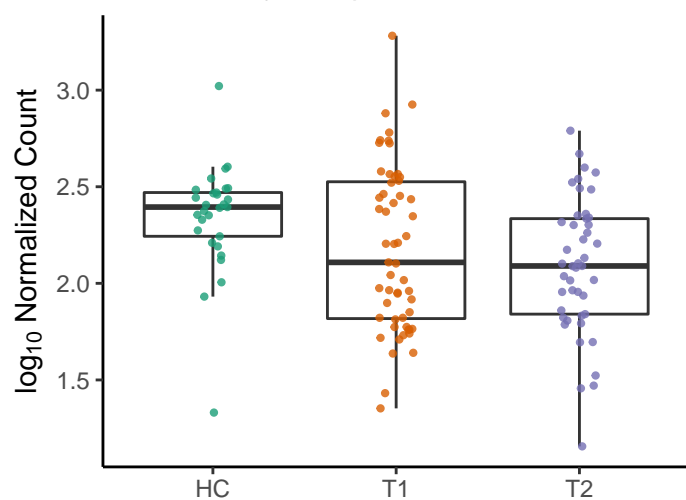
### Chroococciopsidaceae

non-ED vs. T1 adjusted  $p = 0.053$   
non-ED vs. T2 adjusted  $p = 0.02$   
T1 vs. T2 adjusted  $p = 0.79$



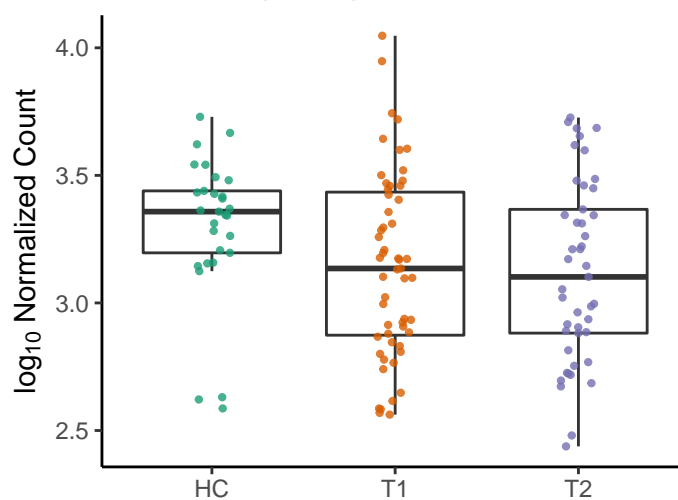
### Unclassified Tissierellia Class

non-ED vs. T1 adjusted  $p = 0.053$   
non-ED vs. T2 adjusted  $p = 0.012$   
T1 vs. T2 adjusted  $p = 0.73$



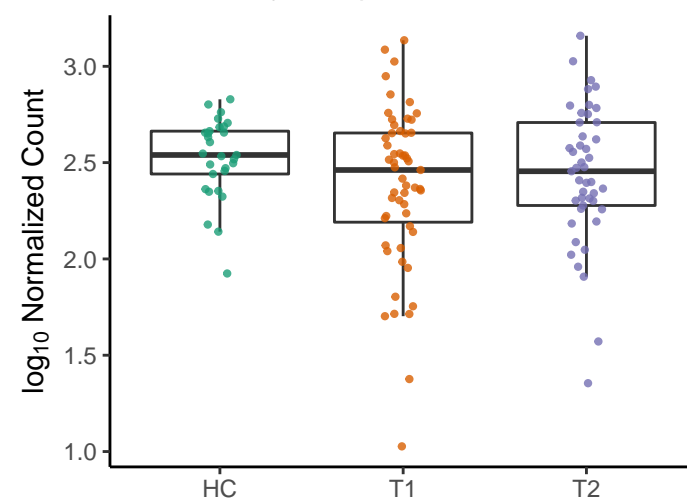
### Leptotrichiaceae

non-ED vs. T1 adjusted  $p = 0.053$   
non-ED vs. T2 adjusted  $p = 0.039$   
T1 vs. T2 adjusted  $p = 0.92$



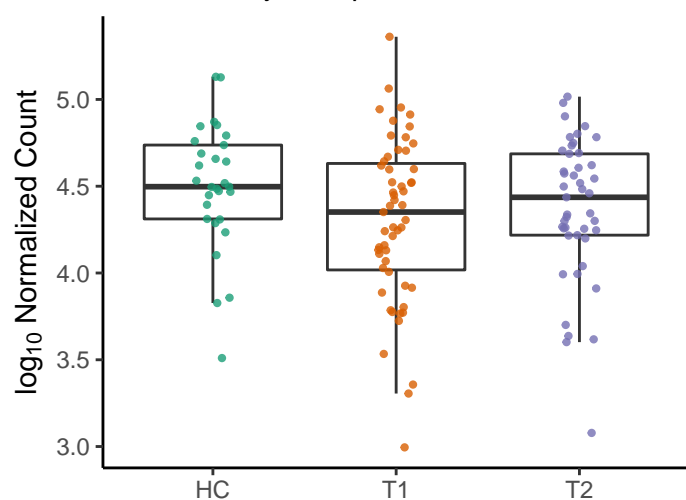
### Syntrophaceae

non-ED vs. T1 adjusted  $p = 0.054$   
non-ED vs. T2 adjusted  $p = 0.23$   
T1 vs. T2 adjusted  $p = 0.73$



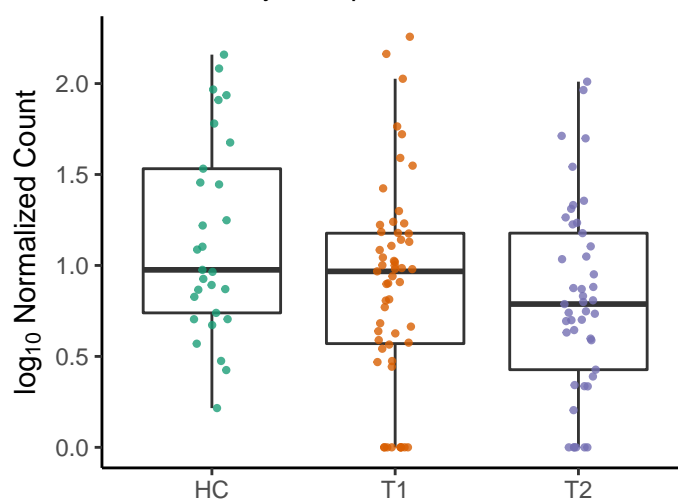
### Christensenellaceae

non-ED vs. T1 adjusted  $p = 0.055$   
non-ED vs. T2 adjusted  $p = 0.19$   
T1 vs. T2 adjusted  $p = 0.73$



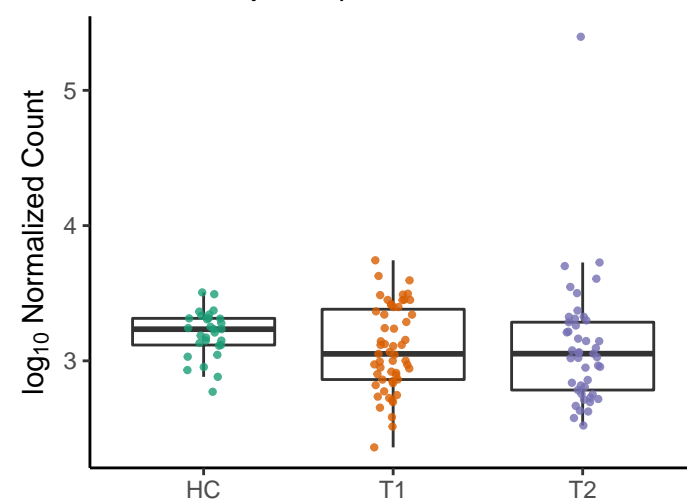
### Unclassified Entomoplasmatales Order

non-ED vs. T1 adjusted  $p = 0.056$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 0.73$



### Saccharomycetaceae

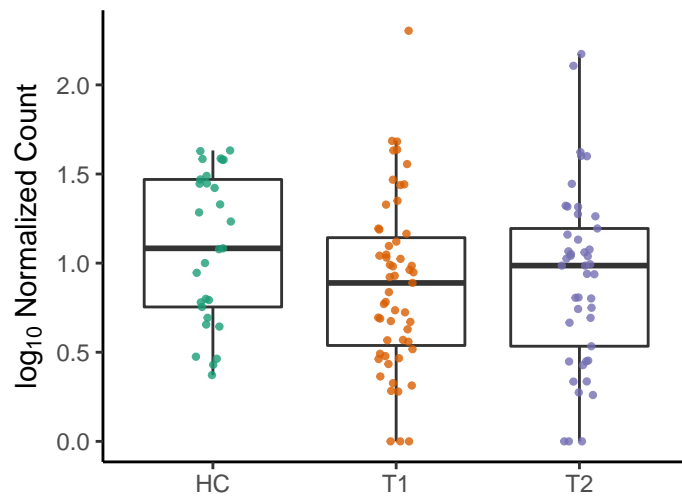
non-ED vs. T1 adjusted  $p = 0.057$   
non-ED vs. T2 adjusted  $p = 0.22$   
T1 vs. T2 adjusted  $p = 0.92$





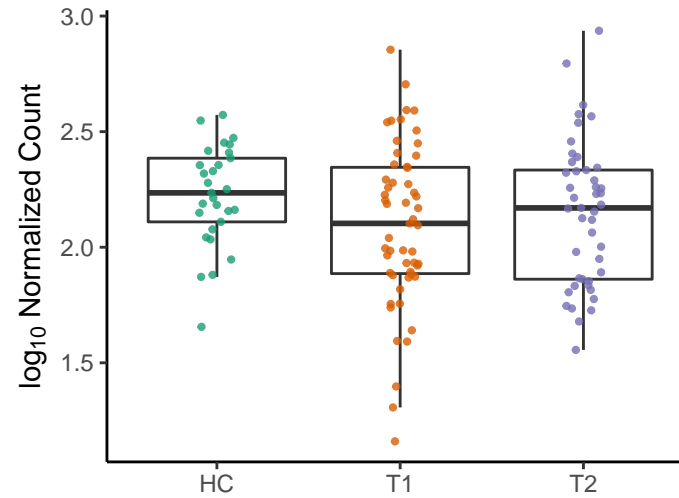
### Unclassified Ascomycota Phylum

non-ED vs. T1 adjusted  $p = 0.057$   
non-ED vs. T2 adjusted  $p = 0.15$   
T1 vs. T2 adjusted  $p = 0.89$



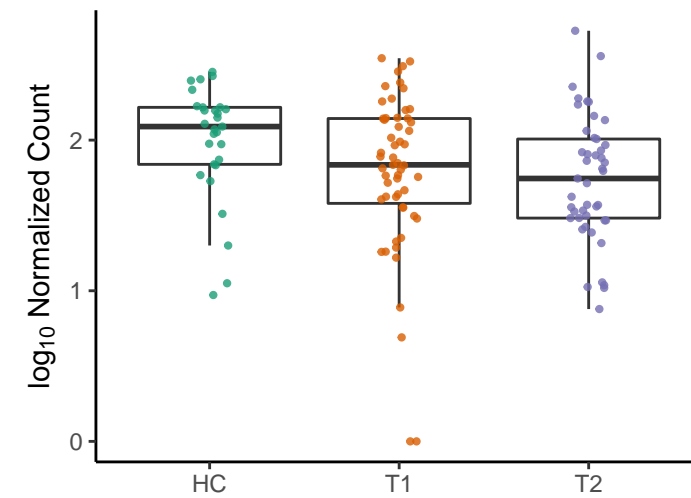
### Hahellaceae

non-ED vs. T1 adjusted  $p = 0.058$   
non-ED vs. T2 adjusted  $p = 0.24$   
T1 vs. T2 adjusted  $p = 0.73$



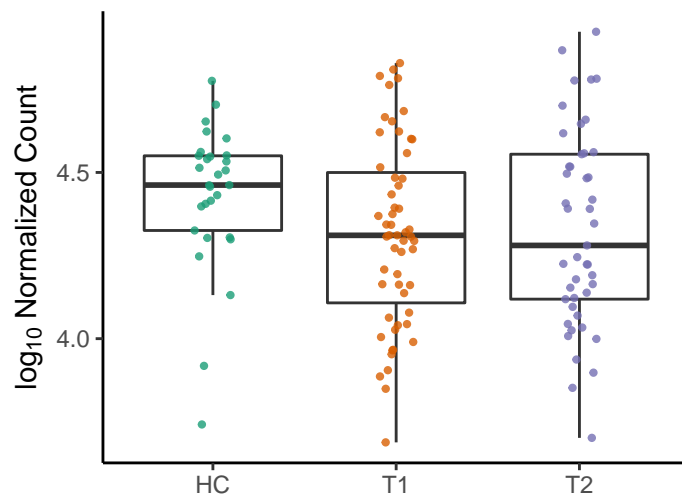
### Bernardetiaceae

non-ED vs. T1 adjusted  $p = 0.058$   
non-ED vs. T2 adjusted  $p = 0.026$   
T1 vs. T2 adjusted  $p = 0.73$



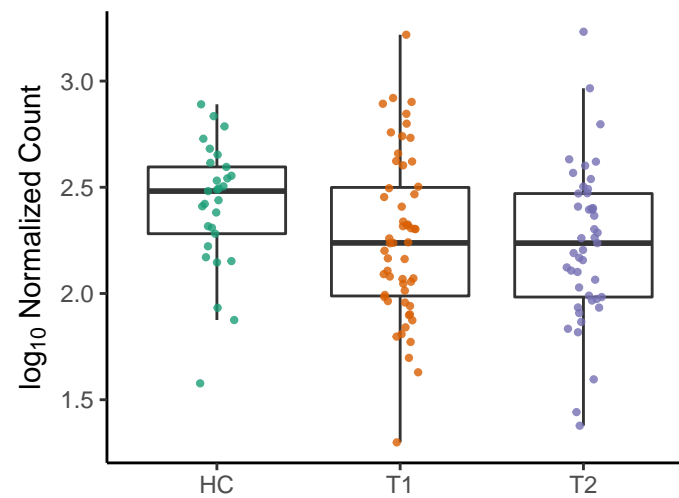
### Bacillaceae

non-ED vs. T1 adjusted  $p = 0.059$   
non-ED vs. T2 adjusted  $p = 0.13$   
T1 vs. T2 adjusted  $p = 0.89$



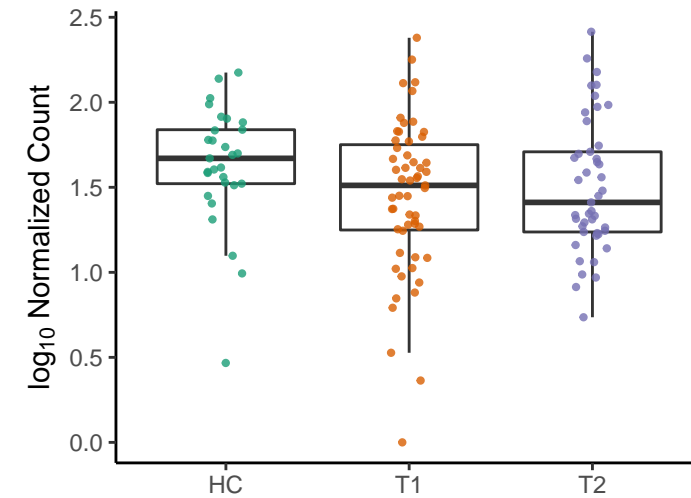
### Orbaceae

non-ED vs. T1 adjusted  $p = 0.06$   
non-ED vs. T2 adjusted  $p = 0.038$   
T1 vs. T2 adjusted  $p = 0.83$



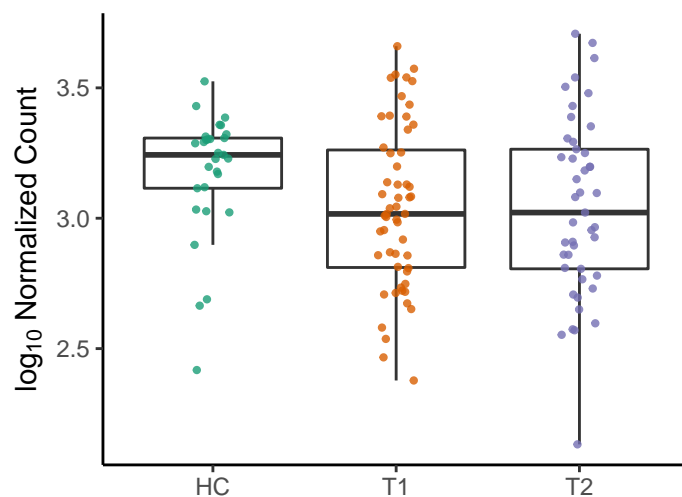
### Desulfurellaceae

non-ED vs. T1 adjusted  $p = 0.06$   
non-ED vs. T2 adjusted  $p = 0.18$   
T1 vs. T2 adjusted  $p = 0.82$



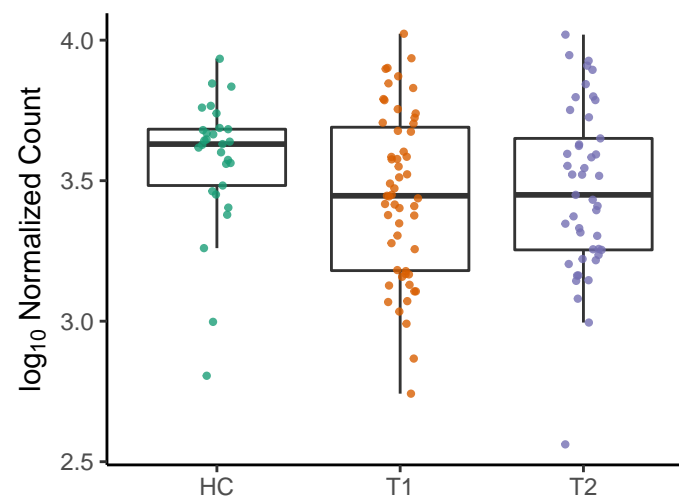
### Listeriaceae

non-ED vs. T1 adjusted  $p = 0.06$   
non-ED vs. T2 adjusted  $p = 0.091$   
T1 vs. T2 adjusted  $p = 1$



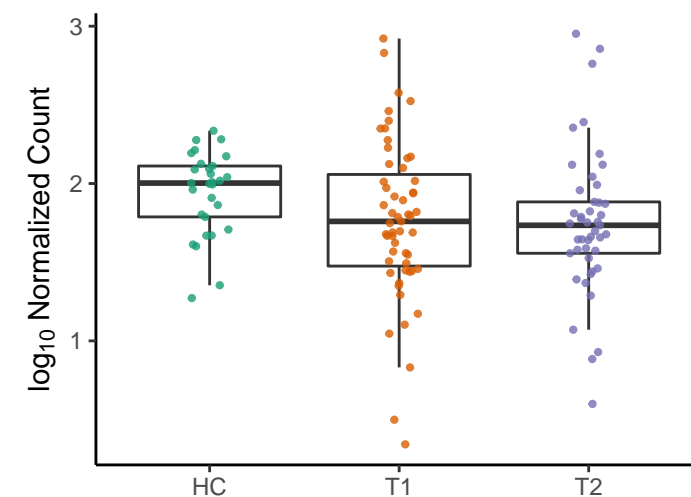
### Planococcaceae

non-ED vs. T1 adjusted  $p = 0.061$   
non-ED vs. T2 adjusted  $p = 0.12$   
T1 vs. T2 adjusted  $p = 0.89$



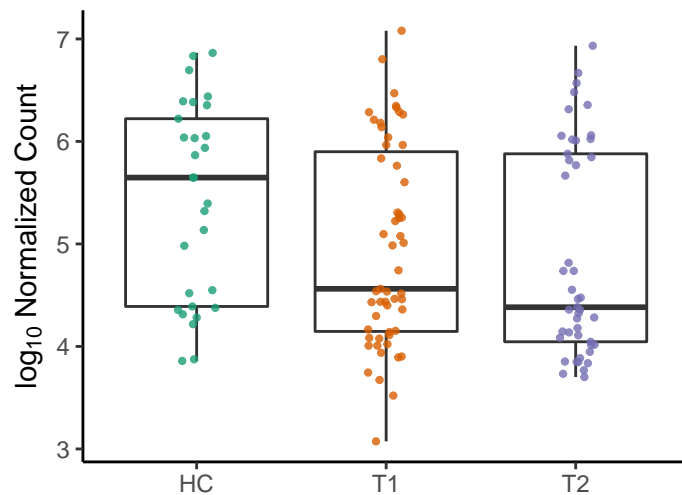
### Unclassified candidate division Zixibacter

non-ED vs. T1 adjusted  $p = 0.062$   
non-ED vs. T2 adjusted  $p = 0.049$   
T1 vs. T2 adjusted  $p = 0.89$



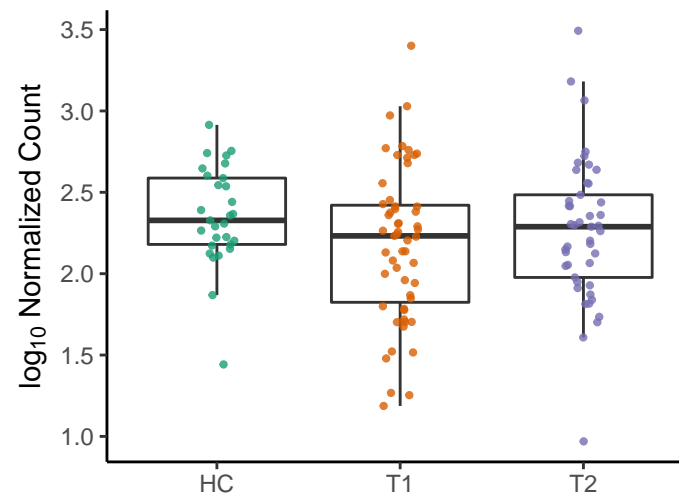
### Bifidobacteriaceae

non-ED vs. T1 adjusted  $p = 0.062$   
non-ED vs. T2 adjusted  $p = 0.044$   
T1 vs. T2 adjusted  $p = 1$



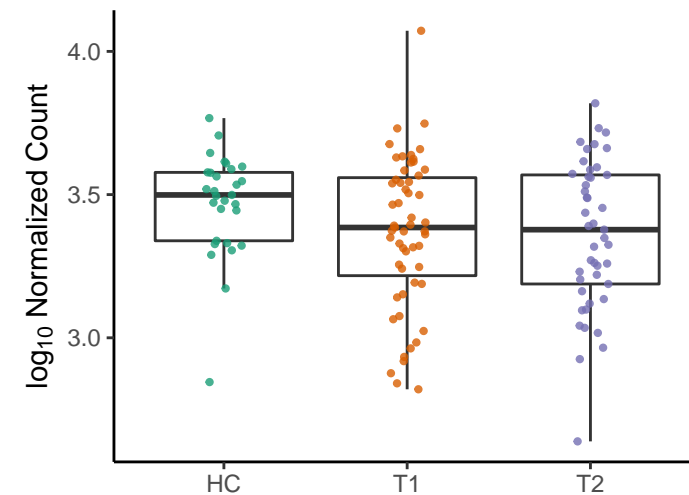
### Rhodobacteriaceae

non-ED vs. T1 adjusted  $p = 0.062$   
non-ED vs. T2 adjusted  $p = 0.33$   
T1 vs. T2 adjusted  $p = 0.73$



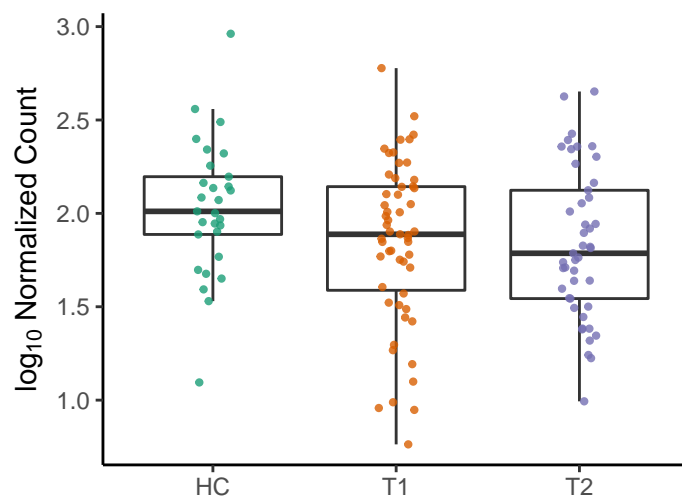
### Chitinophagaceae

non-ED vs. T1 adjusted  $p = 0.063$   
non-ED vs. T2 adjusted  $p = 0.059$   
T1 vs. T2 adjusted  $p = 0.92$



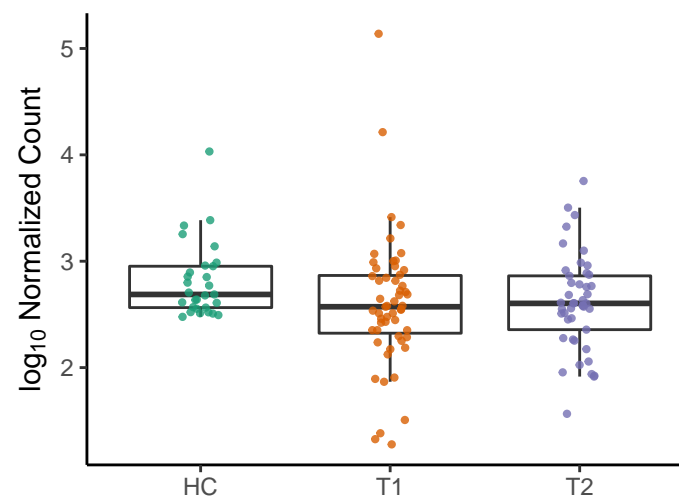
### Unclassified Frankiales Order

non-ED vs. T1 adjusted  $p = 0.063$   
non-ED vs. T2 adjusted  $p = 0.055$   
T1 vs. T2 adjusted  $p = 1$



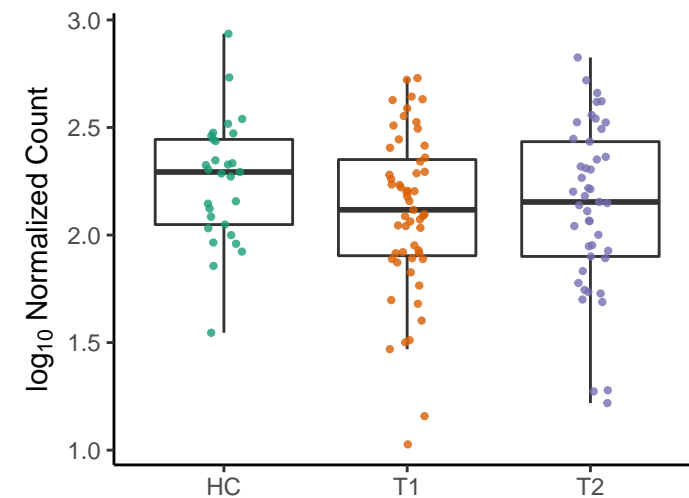
### Unclassified Victivallales Order

non-ED vs. T1 adjusted  $p = 0.063$   
non-ED vs. T2 adjusted  $p = 0.055$   
T1 vs. T2 adjusted  $p = 0.83$



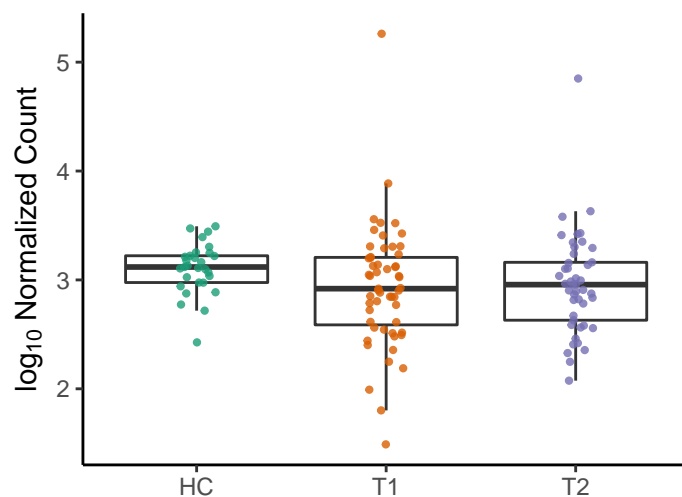
### Desulfurobacteriaceae

non-ED vs. T1 adjusted  $p = 0.063$   
non-ED vs. T2 adjusted  $p = 0.16$   
T1 vs. T2 adjusted  $p = 0.82$



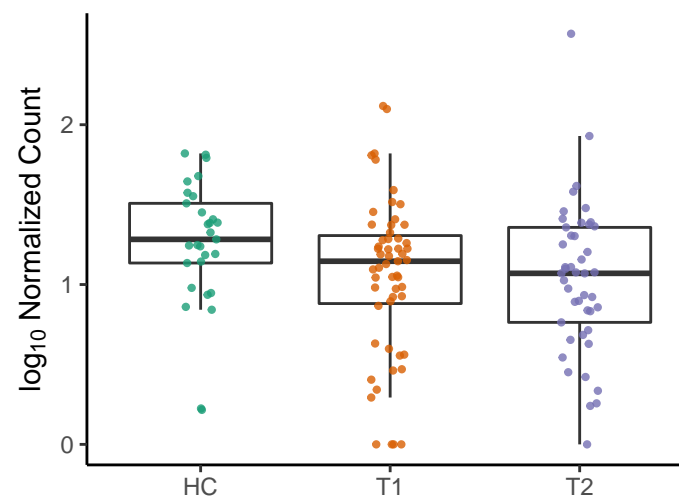
### Unclassified Corynebacteriales Order

non-ED vs. T1 adjusted  $p = 0.064$   
non-ED vs. T2 adjusted  $p = 0.1$   
T1 vs. T2 adjusted  $p = 0.83$



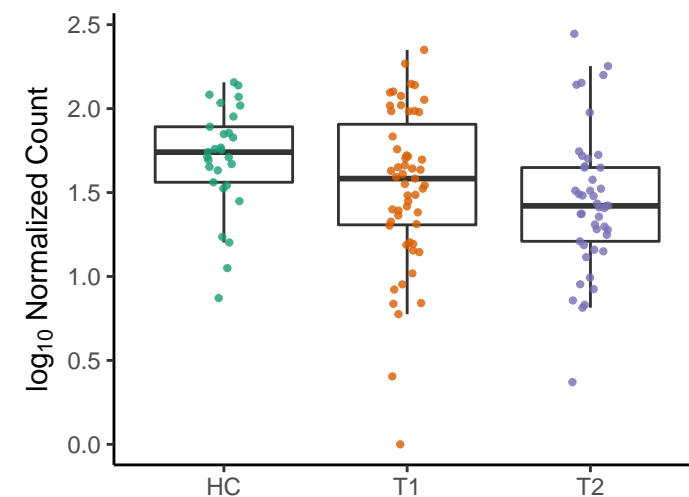
### Cuniculiplasmataceae

non-ED vs. T1 adjusted  $p = 0.066$   
non-ED vs. T2 adjusted  $p = 0.057$   
T1 vs. T2 adjusted  $p = 0.83$



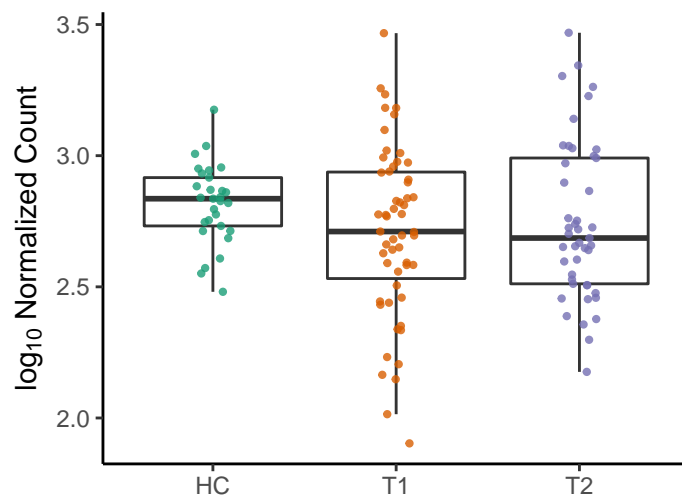
### Unclassified Fusobacteriales Order

non-ED vs. T1 adjusted  $p = 0.066$   
non-ED vs. T2 adjusted  $p = 0.016$   
T1 vs. T2 adjusted  $p = 0.73$



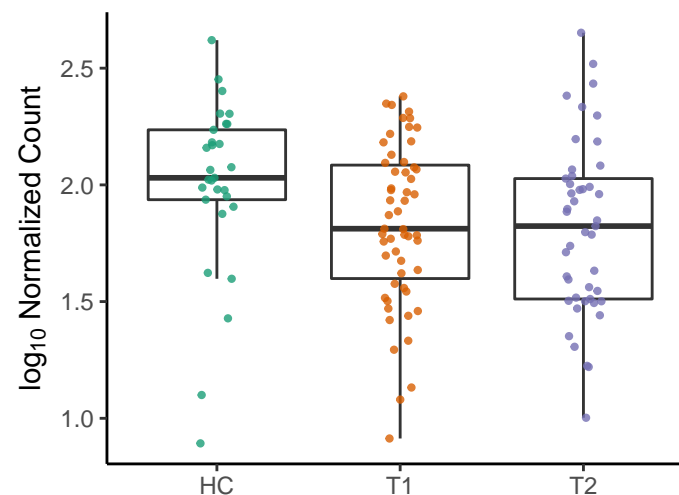
### Nitrospiraceae

non-ED vs. T1 adjusted  $p = 0.066$   
non-ED vs. T2 adjusted  $p = 0.22$   
T1 vs. T2 adjusted  $p = 0.74$



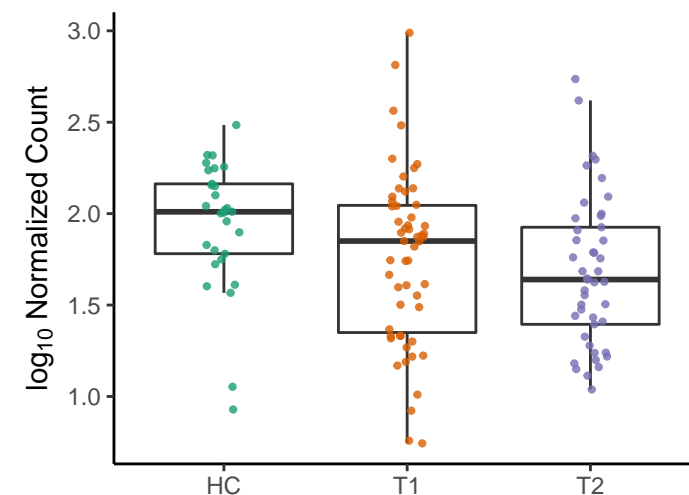
### Rivulariaceae

non-ED vs. T1 adjusted  $p = 0.069$   
non-ED vs. T2 adjusted  $p = 0.061$   
T1 vs. T2 adjusted  $p = 0.82$



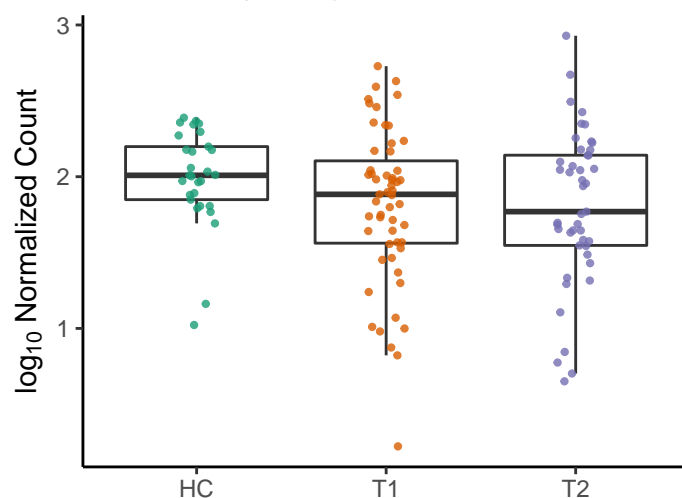
### Unclassified Flavobacteriales Order

non-ED vs. T1 adjusted  $p = 0.07$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.73$



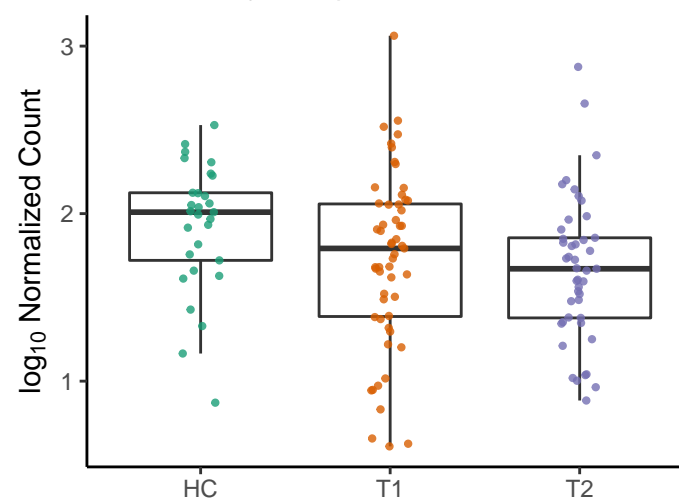
### Crocinitomicaceae

non-ED vs. T1 adjusted  $p = 0.071$   
non-ED vs. T2 adjusted  $p = 0.079$   
T1 vs. T2 adjusted  $p = 0.91$



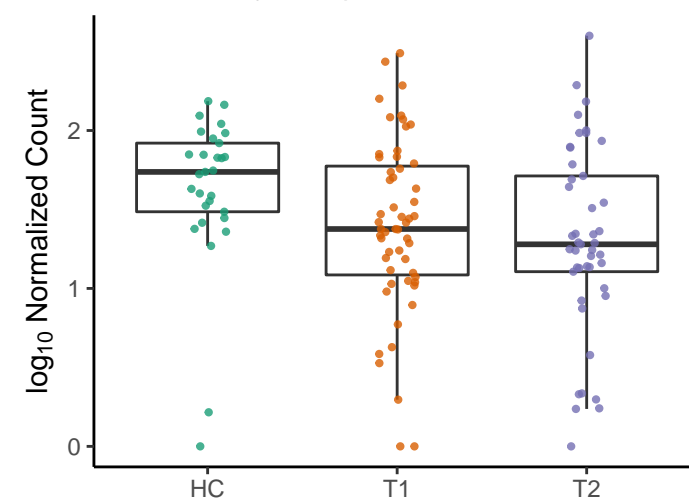
### Thermodesulfobiaceae

non-ED vs. T1 adjusted  $p = 0.071$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 0.73$



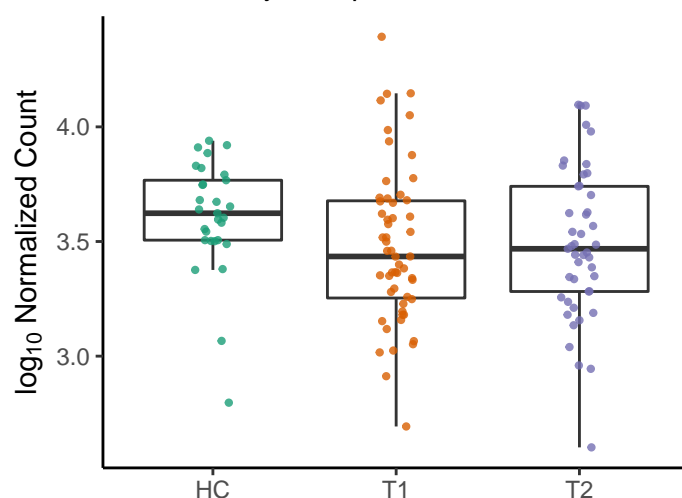
### Unclassified Candidatus Gracilibacteria F

non-ED vs. T1 adjusted  $p = 0.073$   
non-ED vs. T2 adjusted  $p = 0.03$   
T1 vs. T2 adjusted  $p = 0.88$



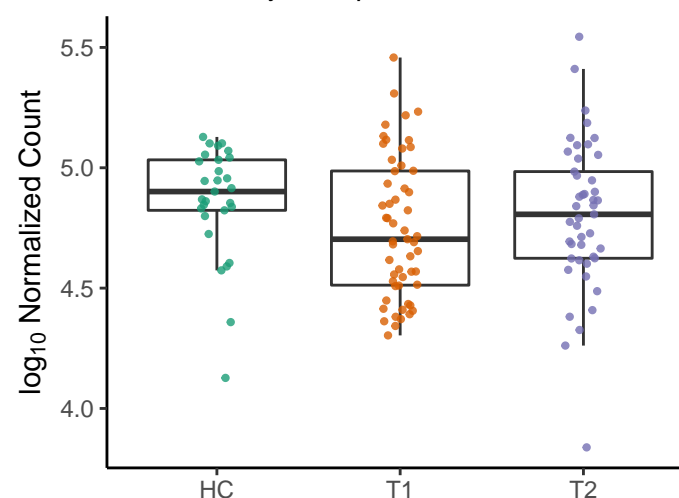
### Peptoniphilaceae

non-ED vs. T1 adjusted  $p = 0.073$   
non-ED vs. T2 adjusted  $p = 0.11$   
T1 vs. T2 adjusted  $p = 0.97$



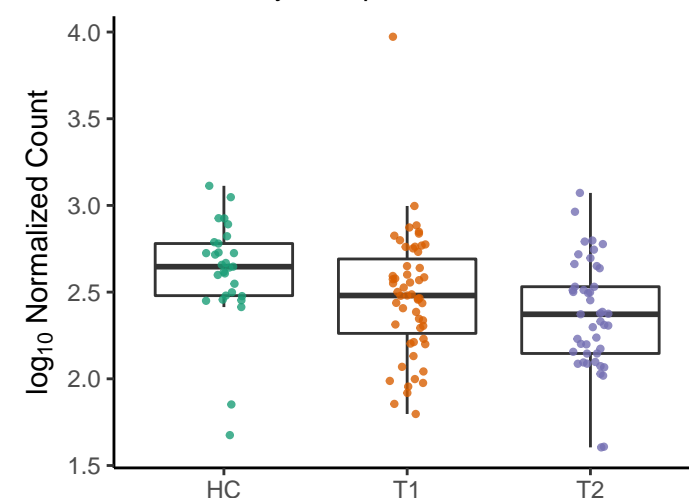
### Peptostreptococcaceae

non-ED vs. T1 adjusted  $p = 0.077$   
non-ED vs. T2 adjusted  $p = 0.37$   
T1 vs. T2 adjusted  $p = 0.73$



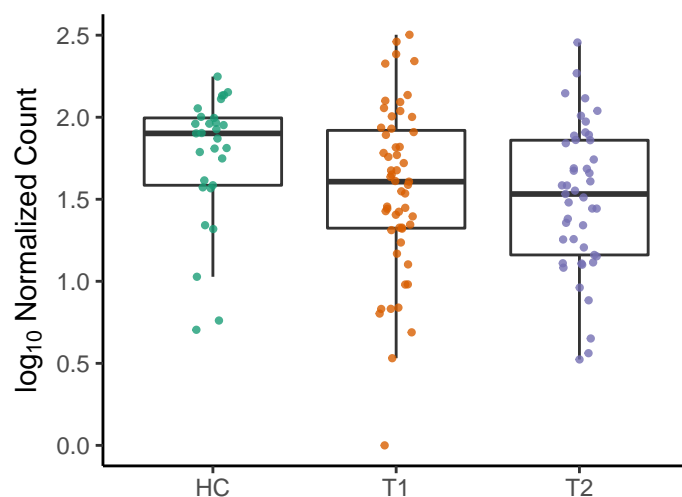
### Unclassified Nostocales Order

non-ED vs. T1 adjusted  $p = 0.077$   
non-ED vs. T2 adjusted  $p = 0.012$   
T1 vs. T2 adjusted  $p = 0.73$



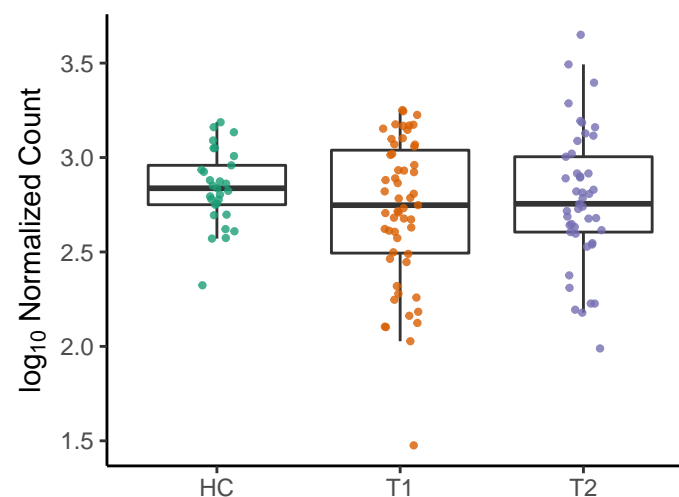
### Cryomorphaceae

non-ED vs. T1 adjusted  $p = 0.078$   
non-ED vs. T2 adjusted  $p = 0.03$   
T1 vs. T2 adjusted  $p = 0.73$



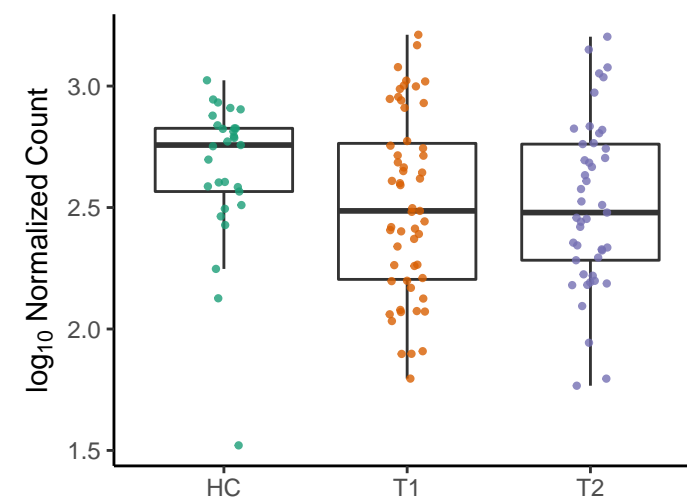
### Methylocystaceae

non-ED vs. T1 adjusted  $p = 0.08$   
non-ED vs. T2 adjusted  $p = 0.39$   
T1 vs. T2 adjusted  $p = 0.73$



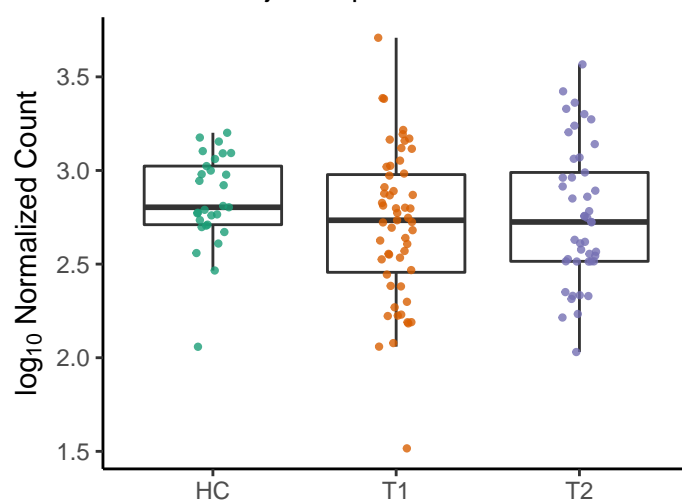
### Fervidobacteriaceae

non-ED vs. T1 adjusted  $p = 0.081$   
non-ED vs. T2 adjusted  $p = 0.095$   
T1 vs. T2 adjusted  $p = 0.95$



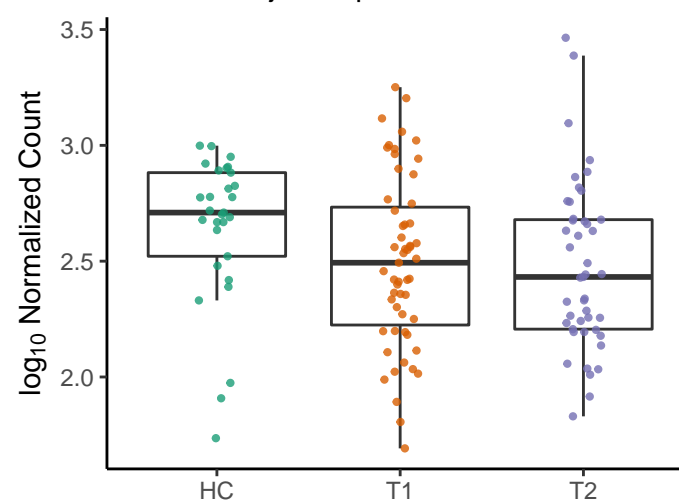
### Haloferacaceae

non-ED vs. T1 adjusted  $p = 0.082$   
non-ED vs. T2 adjusted  $p = 0.29$   
T1 vs. T2 adjusted  $p = 0.73$



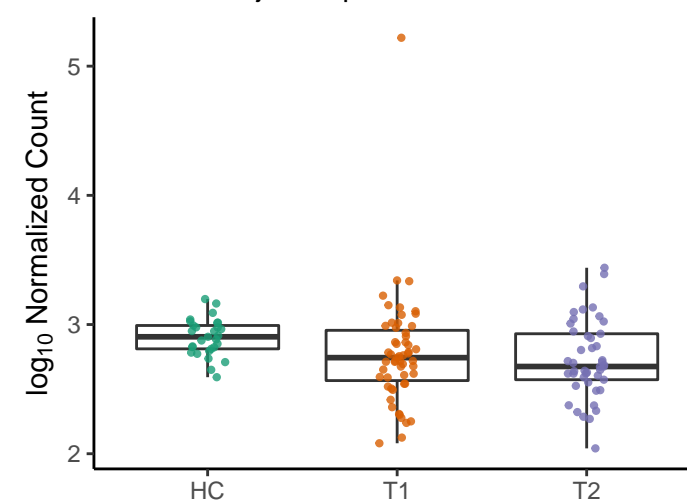
### Sulfolobaceae

non-ED vs. T1 adjusted  $p = 0.083$   
non-ED vs. T2 adjusted  $p = 0.062$   
T1 vs. T2 adjusted  $p = 0.92$



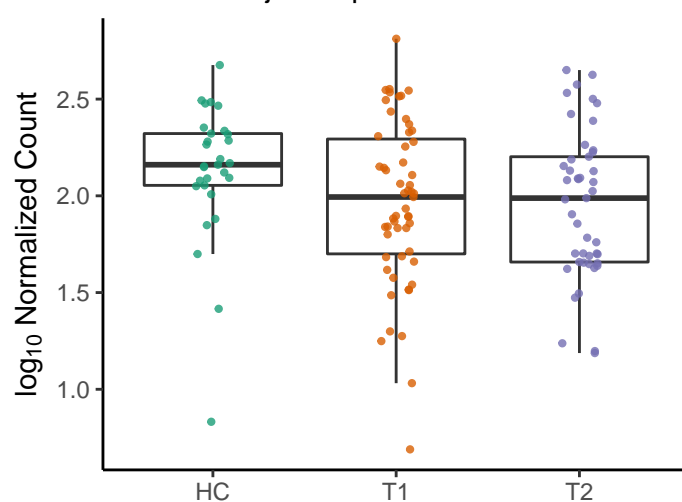
### Hafniaceae

non-ED vs. T1 adjusted  $p = 0.083$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.89$



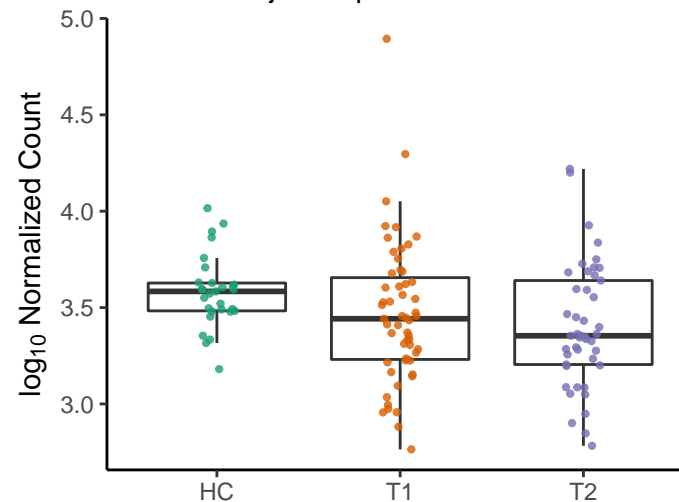
### Nitrosopumilaceae

non-ED vs. T1 adjusted  $p = 0.084$   
non-ED vs. T2 adjusted  $p = 0.077$   
T1 vs. T2 adjusted  $p = 0.92$



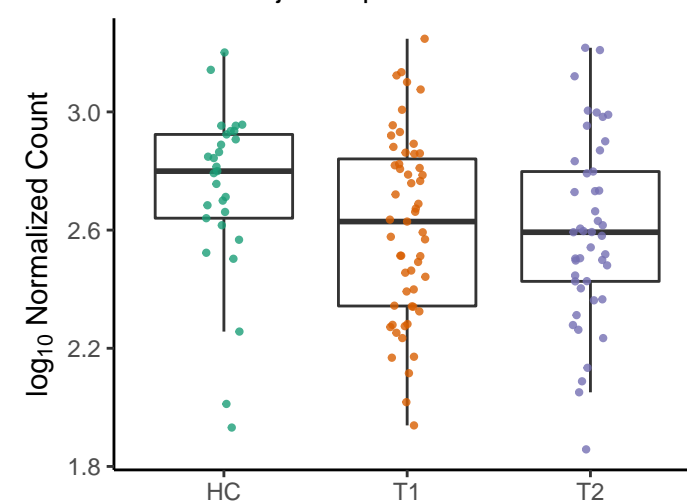
### Unclassified Enterobacterales Order

non-ED vs. T1 adjusted  $p = 0.084$   
non-ED vs. T2 adjusted  $p = 0.017$   
T1 vs. T2 adjusted  $p = 0.95$



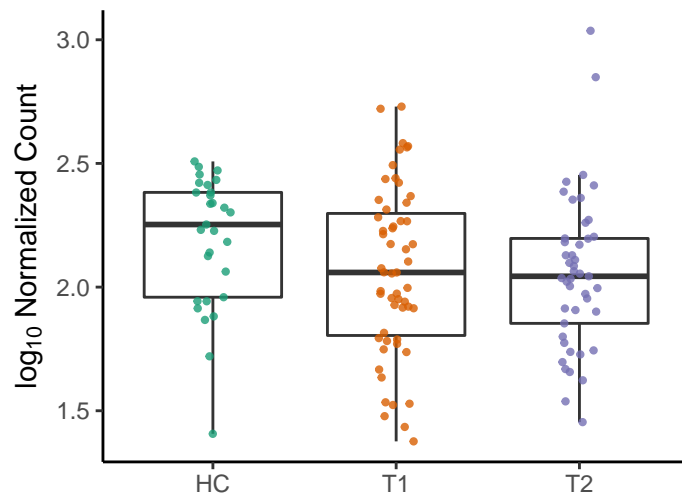
### Bartonellaceae

non-ED vs. T1 adjusted  $p = 0.087$   
non-ED vs. T2 adjusted  $p = 0.083$   
T1 vs. T2 adjusted  $p = 0.99$



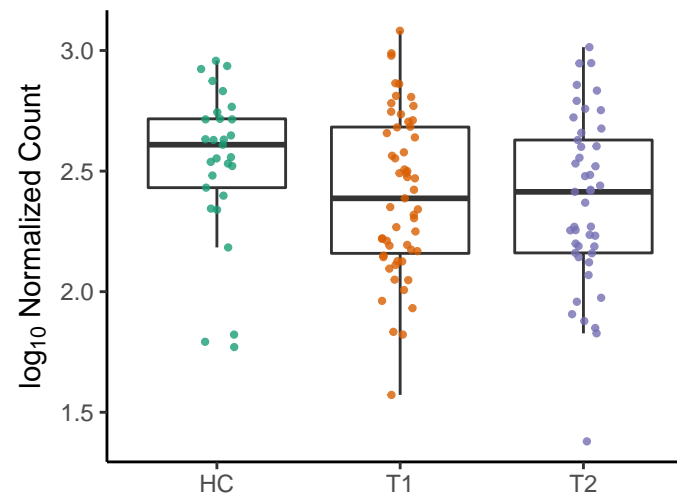
### Methanoregulaceae

non-ED vs. T1 adjusted  $p = 0.09$   
non-ED vs. T2 adjusted  $p = 0.079$   
T1 vs. T2 adjusted  $p = 0.95$



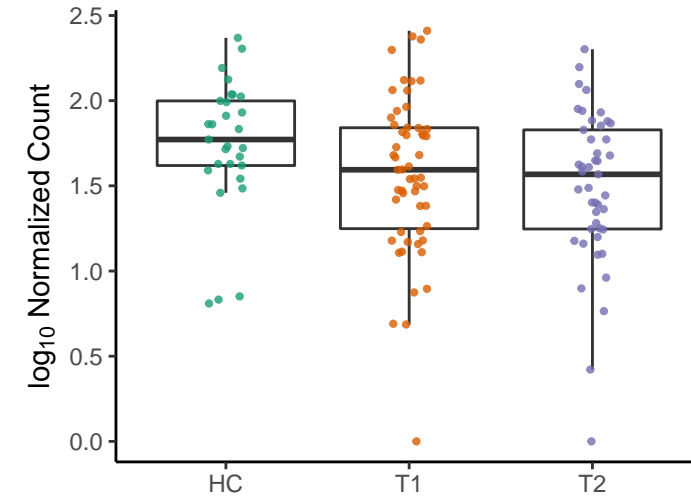
### Prochloraceae

non-ED vs. T1 adjusted  $p = 0.094$   
non-ED vs. T2 adjusted  $p = 0.069$   
T1 vs. T2 adjusted  $p = 0.89$



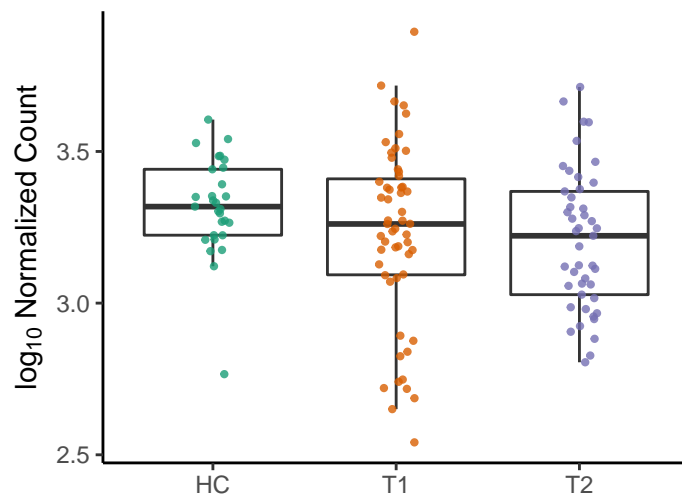
### Amoebophilaceae

non-ED vs. T1 adjusted  $p = 0.094$   
non-ED vs. T2 adjusted  $p = 0.03$   
T1 vs. T2 adjusted  $p = 0.73$



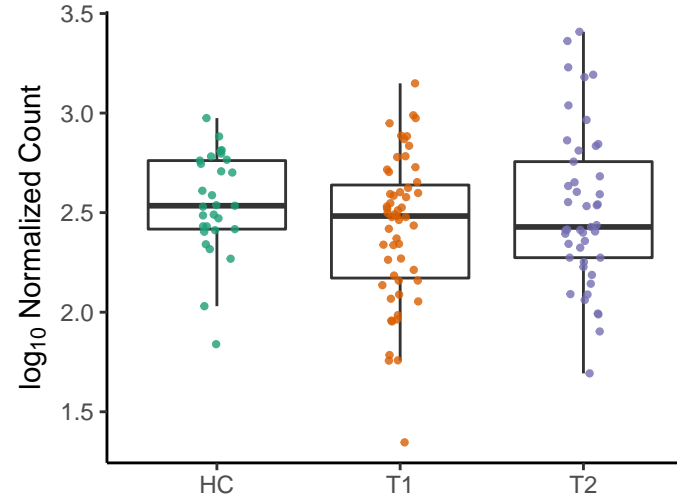
### Cytophagaceae

non-ED vs. T1 adjusted  $p = 0.094$   
non-ED vs. T2 adjusted  $p = 0.035$   
T1 vs. T2 adjusted  $p = 0.89$



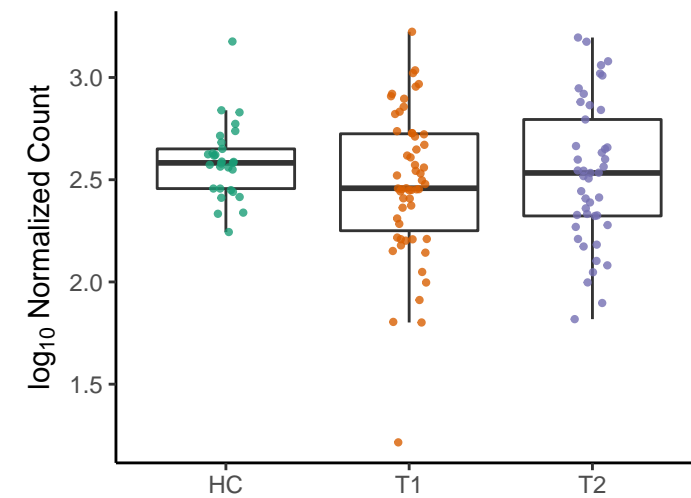
### Methanomicrobiaceae

non-ED vs. T1 adjusted  $p = 0.094$   
non-ED vs. T2 adjusted  $p = 0.72$   
T1 vs. T2 adjusted  $p = 0.73$



### Pirellulaceae

non-ED vs. T1 adjusted  $p = 0.094$   
non-ED vs. T2 adjusted  $p = 0.37$   
T1 vs. T2 adjusted  $p = 0.75$



### Scytonemataceae

non-ED vs. T1 adjusted  $p = 0.096$   
non-ED vs. T2 adjusted  $p = 0.058$   
T1 vs. T2 adjusted  $p = 1$

