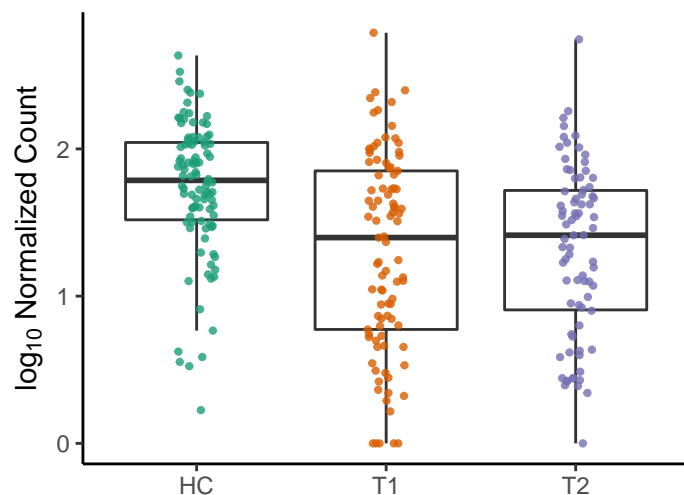


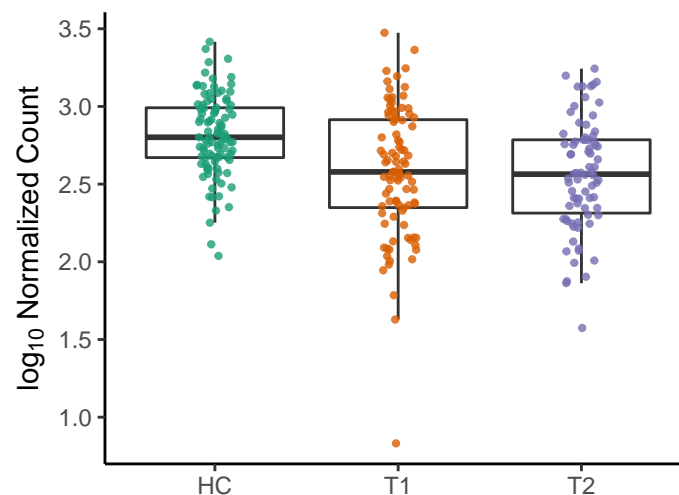
### Unclassified Acidobacteria Phylum

non-ED vs. T1 adjusted  $p = 8.4\text{e-}05$   
non-ED vs. T2 adjusted  $p = 1\text{e-}04$   
T1 vs. T2 adjusted  $p = 0.82$



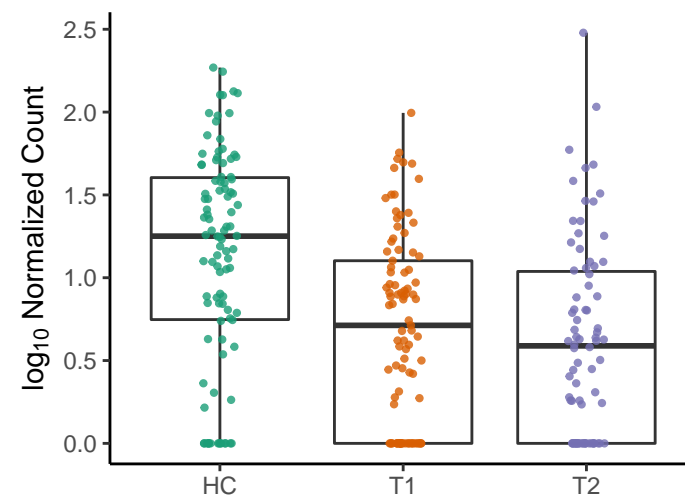
### Unclassified Candidatus Saccharibacte

non-ED vs. T1 adjusted  $p = 0.00038$   
non-ED vs. T2 adjusted  $p = 1\text{e-}04$   
T1 vs. T2 adjusted  $p = 0.97$



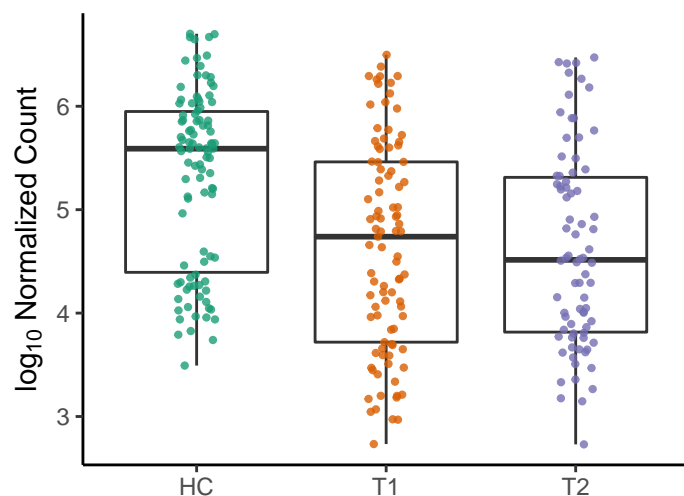
### Unclassified Desulfobacteriales Order

non-ED vs. T1 adjusted  $p = 0.00017$   
non-ED vs. T2 adjusted  $p = 1\text{e-}04$   
T1 vs. T2 adjusted  $p = 0.72$



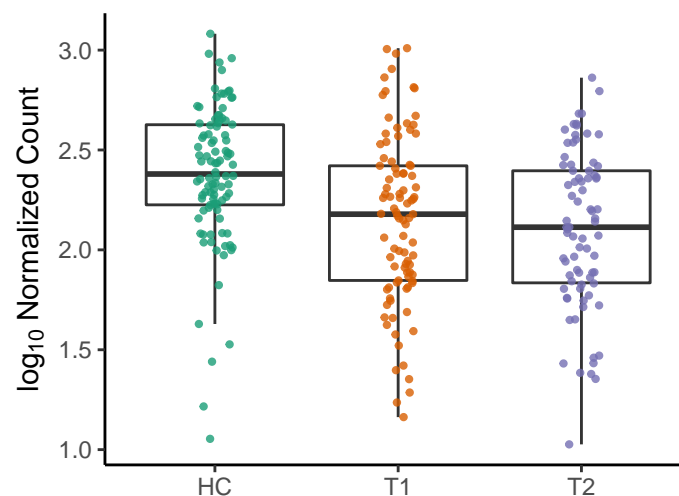
### Coriobacteriaceae

non-ED vs. T1 adjusted  $p = 0.00017$   
non-ED vs. T2 adjusted  $p = 0.00019$   
T1 vs. T2 adjusted  $p = 0.91$



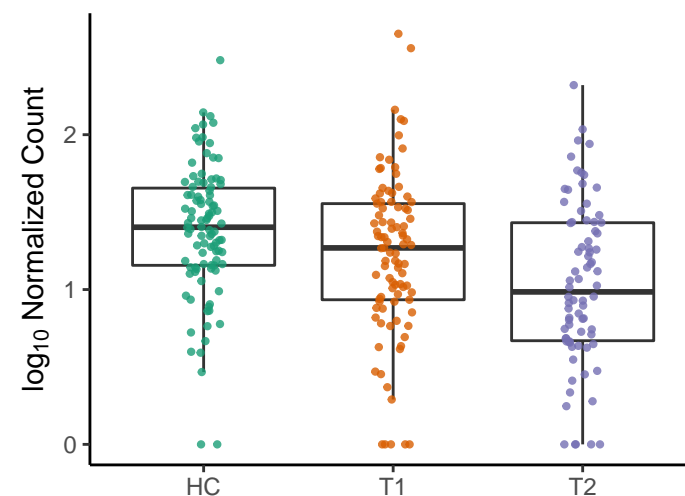
### Gottschalkiaceae

non-ED vs. T1 adjusted  $p = 0.0043$   
non-ED vs. T2 adjusted  $p = 0.00038$   
T1 vs. T2 adjusted  $p = 0.72$



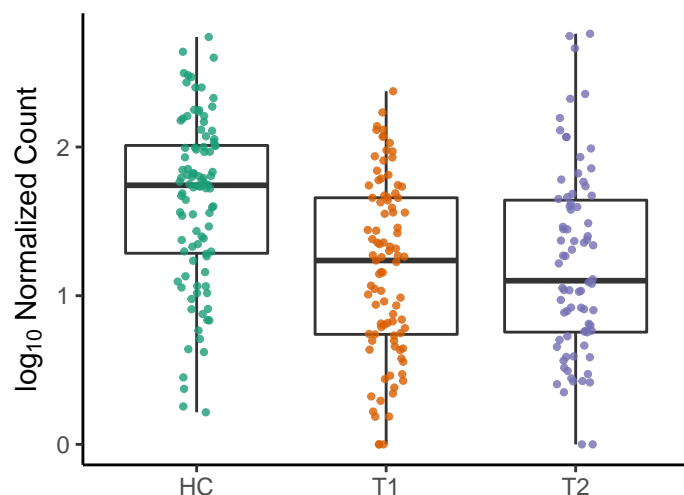
### Methanothermaceae

non-ED vs. T1 adjusted  $p = 0.072$   
non-ED vs. T2 adjusted  $p = 0.00038$   
T1 vs. T2 adjusted  $p = 0.14$



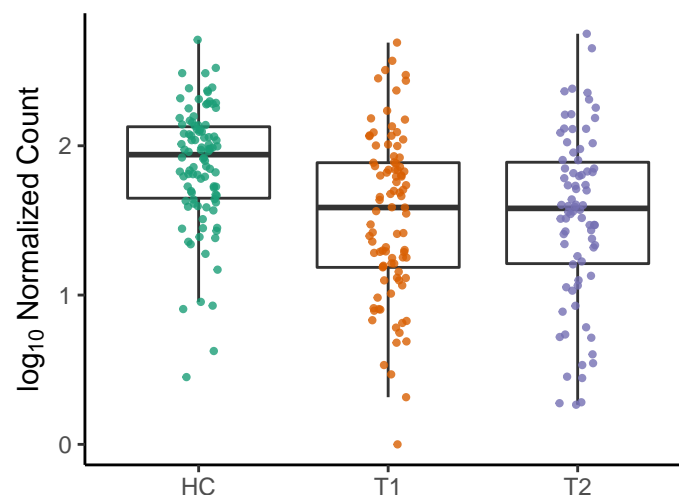
### Unclassified Synechococcales Order

non-ED vs. T1 adjusted  $p = 2.8\text{e-}05$   
non-ED vs. T2 adjusted  $p = 0.00049$   
T1 vs. T2 adjusted  $p = 0.93$



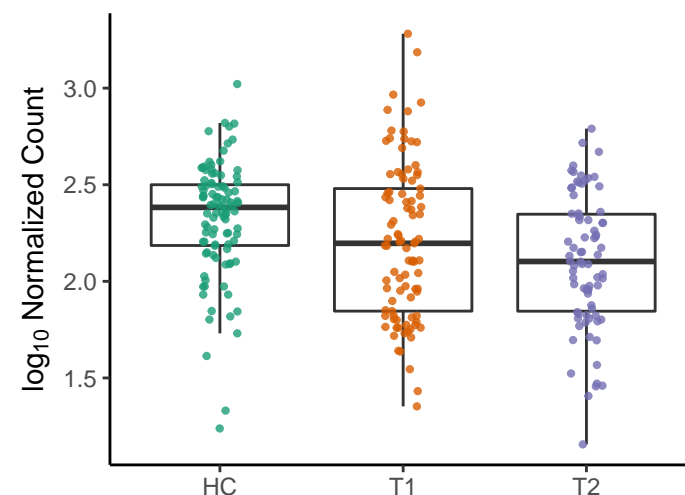
### Coprothermobacteraceae

non-ED vs. T1 adjusted  $p = 0.00017$   
non-ED vs. T2 adjusted  $p = 0.00093$   
T1 vs. T2 adjusted  $p = 0.93$



### Unclassified Tissierellia Class

non-ED vs. T1 adjusted  $p = 0.074$   
non-ED vs. T2 adjusted  $p = 0.00093$   
T1 vs. T2 adjusted  $p = 0.72$

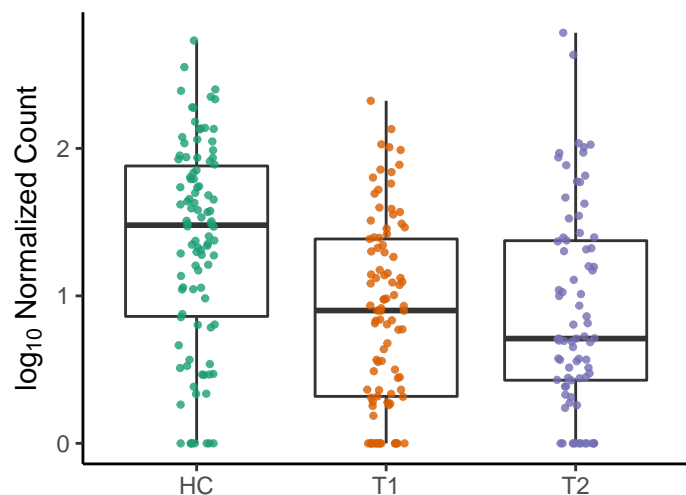


### Unclassified Chroococcales Order

non-ED vs. T1 adjusted  $p = 0.00017$

non-ED vs. T2 adjusted  $p = 0.0011$

T1 vs. T2 adjusted  $p = 1$

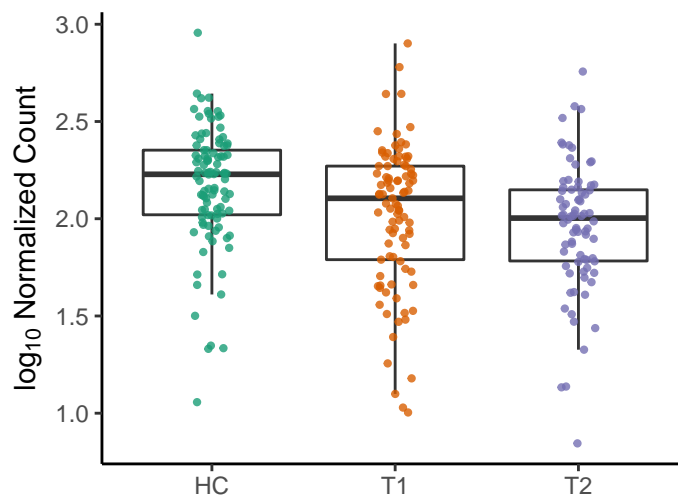


### Kangiellaceae

non-ED vs. T1 adjusted  $p = 0.029$

non-ED vs. T2 adjusted  $p = 0.0013$

T1 vs. T2 adjusted  $p = 0.72$

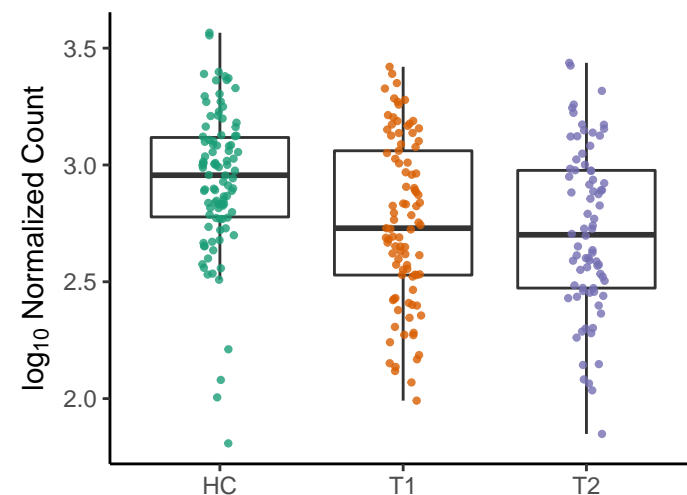


### Acholeplasmataceae

non-ED vs. T1 adjusted  $p = 0.0072$

non-ED vs. T2 adjusted  $p = 0.0014$

T1 vs. T2 adjusted  $p = 0.74$

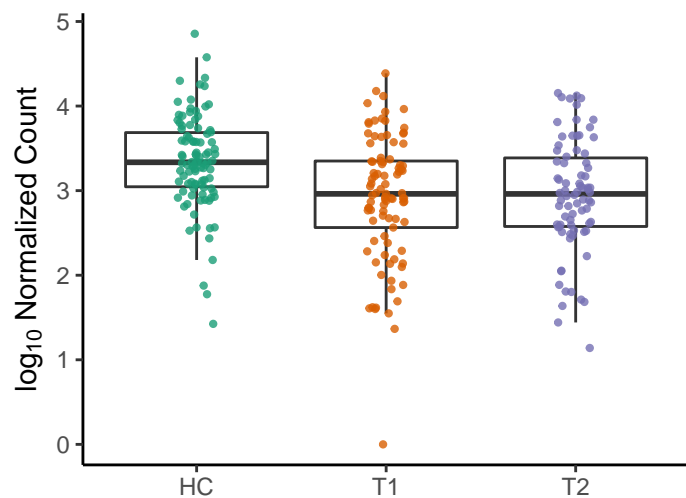


### Unclassified Coriobacteriales Order

non-ED vs. T1 adjusted  $p = 8e-04$

non-ED vs. T2 adjusted  $p = 0.0014$

T1 vs. T2 adjusted  $p = 0.72$

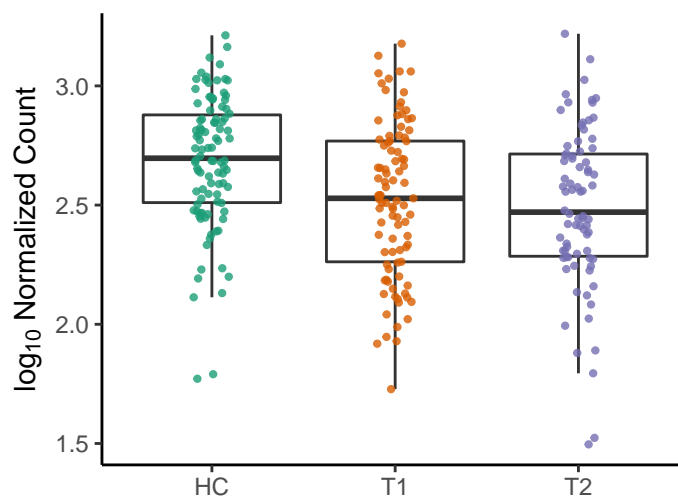


### Anaplasmataceae

non-ED vs. T1 adjusted  $p = 0.0078$

non-ED vs. T2 adjusted  $p = 0.0018$

T1 vs. T2 adjusted  $p = 0.83$

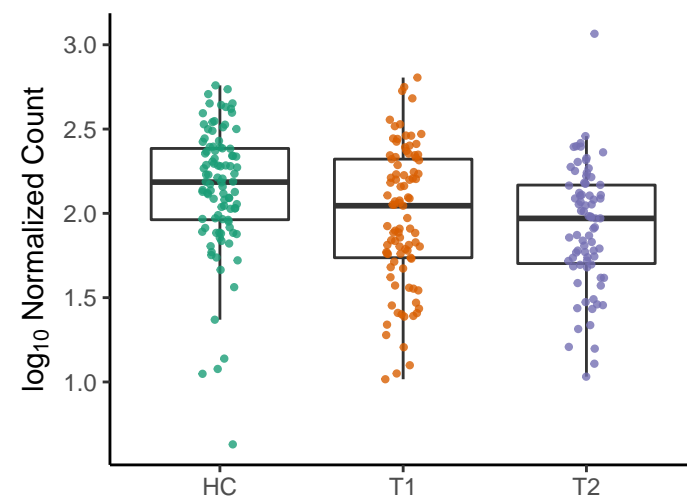


### Holosporaceae

non-ED vs. T1 adjusted  $p = 0.034$

non-ED vs. T2 adjusted  $p = 0.0018$

T1 vs. T2 adjusted  $p = 0.72$

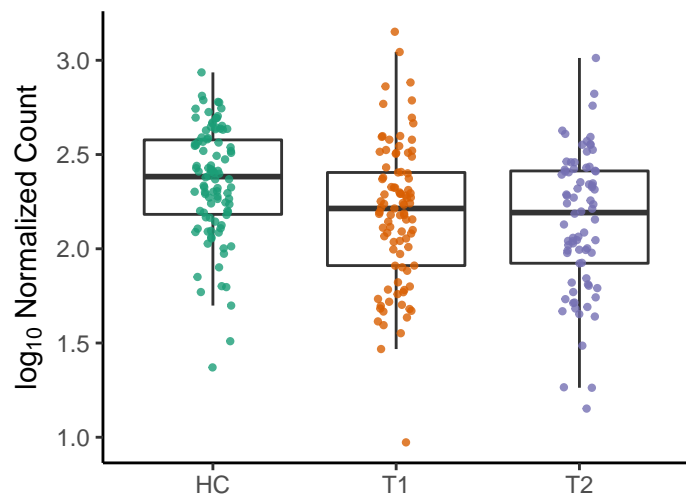


### Blattabacteriaceae

non-ED vs. T1 adjusted  $p = 0.011$

non-ED vs. T2 adjusted  $p = 0.0018$

T1 vs. T2 adjusted  $p = 0.72$

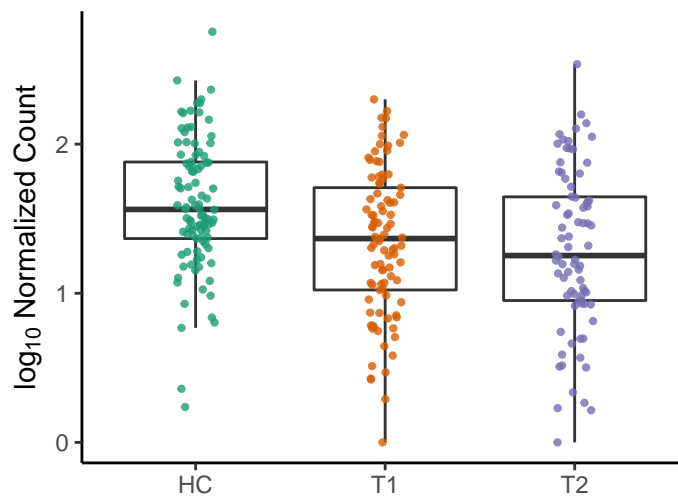


### Ferroplasmaceae

non-ED vs. T1 adjusted  $p = 0.0055$

non-ED vs. T2 adjusted  $p = 0.0021$

T1 vs. T2 adjusted  $p = 0.98$

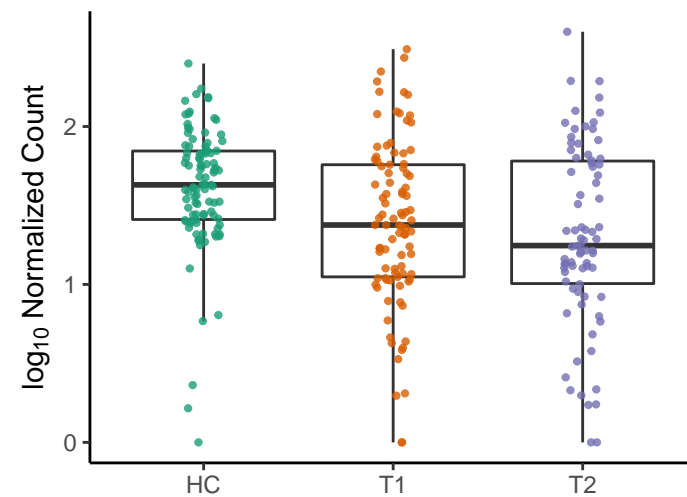


### Unclassified Candidatus Gracilibacteria F

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

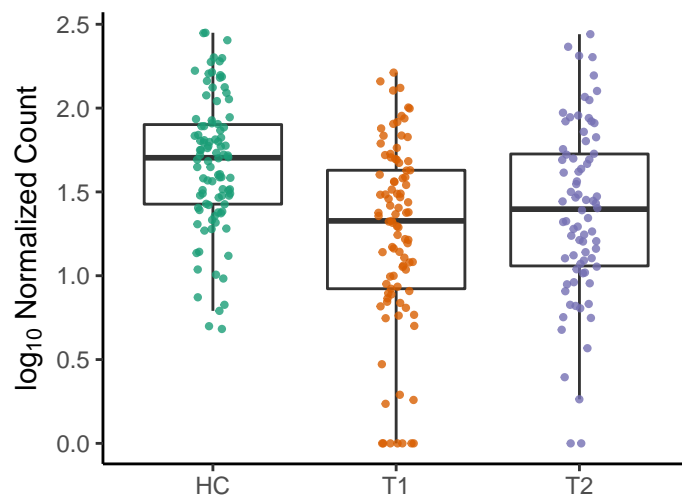
non-ED vs. T2 adjusted  $p = 0.0022$

T1 vs. T2 adjusted  $p = 0.72$



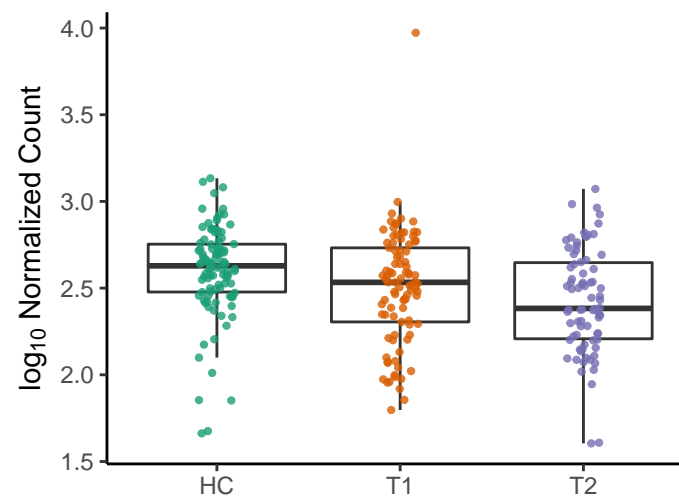
### Unclassified Saccharomycetales Order

non-ED vs. T1 adjusted  $p = 4.4e-06$   
non-ED vs. T2 adjusted  $p = 0.0022$   
T1 vs. T2 adjusted  $p = 0.46$



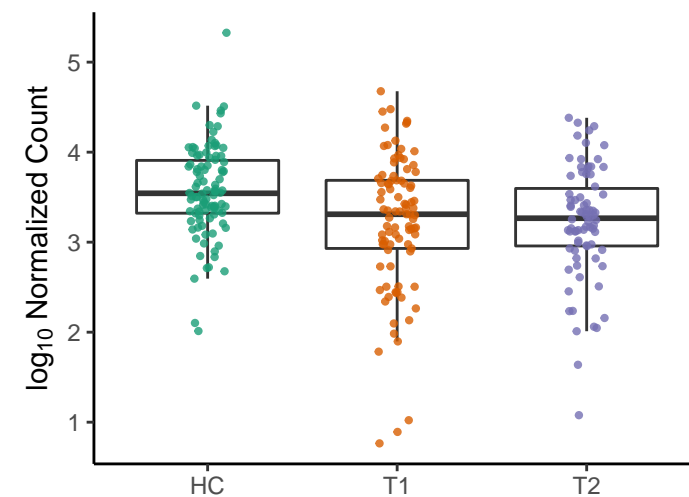
### Unclassified Nostocales Order

non-ED vs. T1 adjusted  $p = 0.074$   
non-ED vs. T2 adjusted  $p = 0.0025$   
T1 vs. T2 adjusted  $p = 0.72$



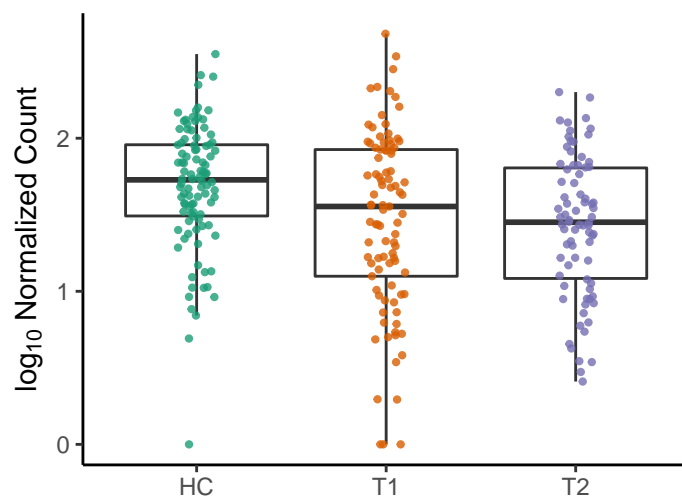
### Unclassified Coriobacteriia Class

non-ED vs. T1 adjusted  $p = 0.0081$   
non-ED vs. T2 adjusted  $p = 0.0031$   
T1 vs. T2 adjusted  $p = 0.76$



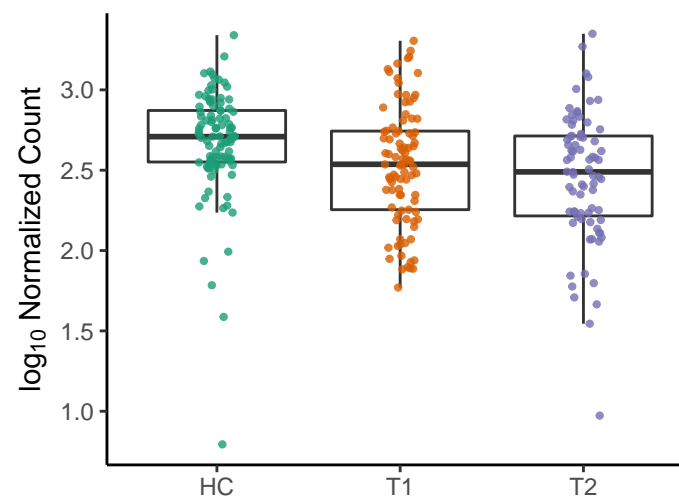
### Acidimicrobiaceae

non-ED vs. T1 adjusted  $p = 0.031$   
non-ED vs. T2 adjusted  $p = 0.0037$   
T1 vs. T2 adjusted  $p = 0.83$



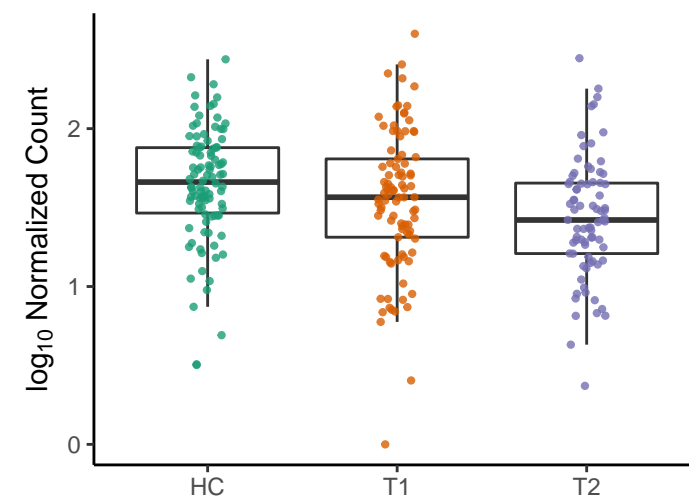
### Borreliaceae

non-ED vs. T1 adjusted  $p = 0.04$   
non-ED vs. T2 adjusted  $p = 0.0043$   
T1 vs. T2 adjusted  $p = 0.72$



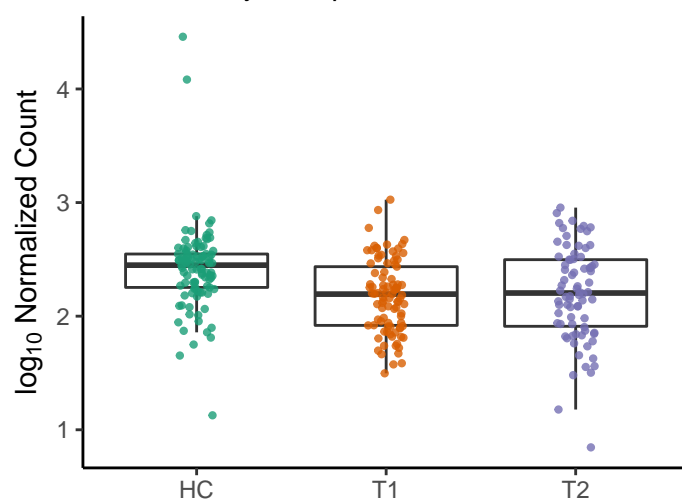
### Unclassified Fusobacteriales Order

non-ED vs. T1 adjusted  $p = 0.17$   
non-ED vs. T2 adjusted  $p = 0.0057$   
T1 vs. T2 adjusted  $p = 0.72$



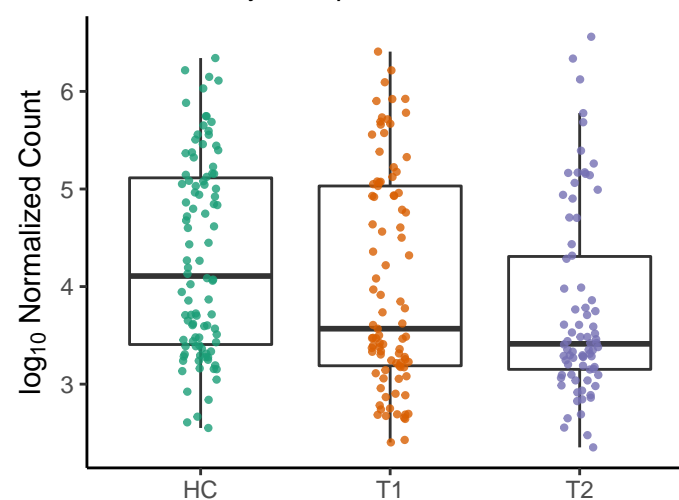
### Succinivibrionaceae

non-ED vs. T1 adjusted  $p = 0.00034$   
non-ED vs. T2 adjusted  $p = 0.0087$   
T1 vs. T2 adjusted  $p = 0.89$



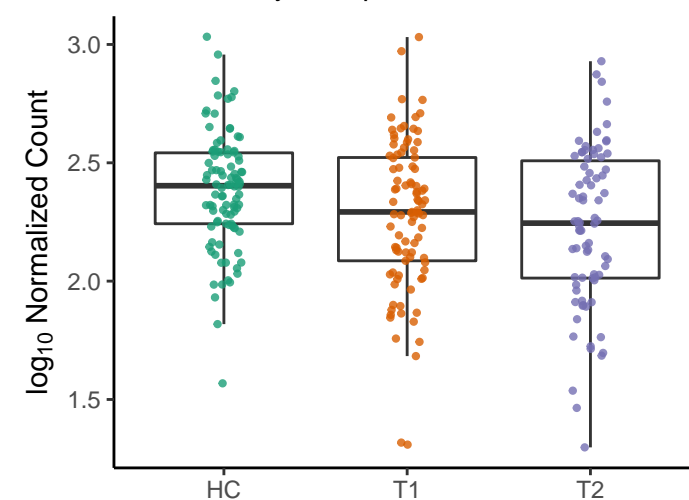
### Akkermansiaceae

non-ED vs. T1 adjusted  $p = 0.16$   
non-ED vs. T2 adjusted  $p = 0.012$   
T1 vs. T2 adjusted  $p = 0.72$



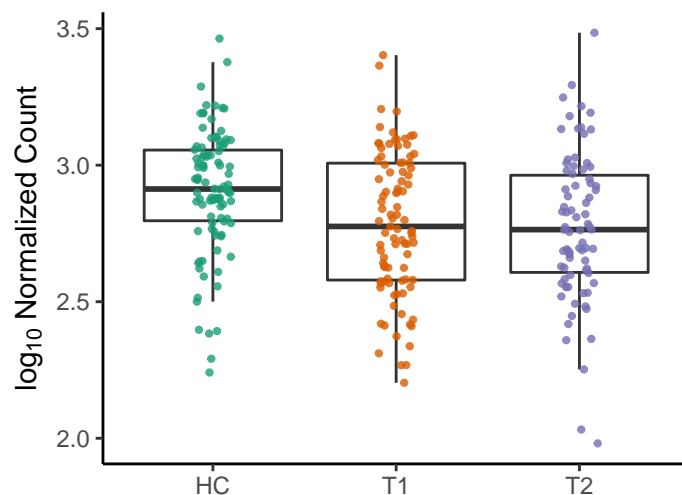
### Sordariaceae

non-ED vs. T1 adjusted  $p = 0.056$   
non-ED vs. T2 adjusted  $p = 0.012$   
T1 vs. T2 adjusted  $p = 0.72$



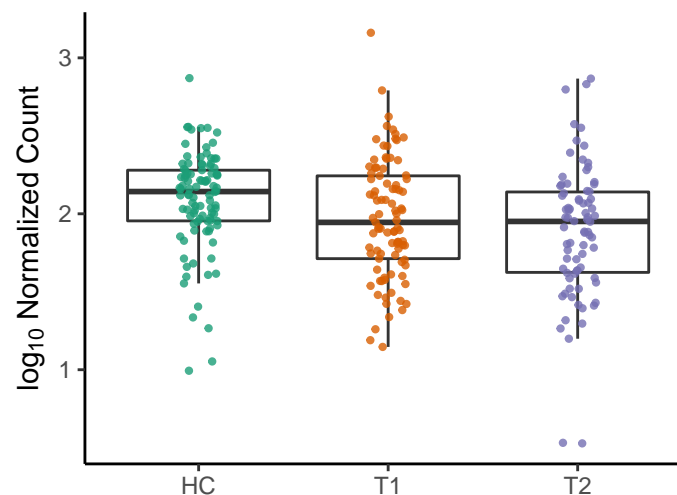
### Aerococcaceae

non-ED vs. T1 adjusted  $p = 0.012$   
non-ED vs. T2 adjusted  $p = 0.013$   
T1 vs. T2 adjusted  $p = 0.9$



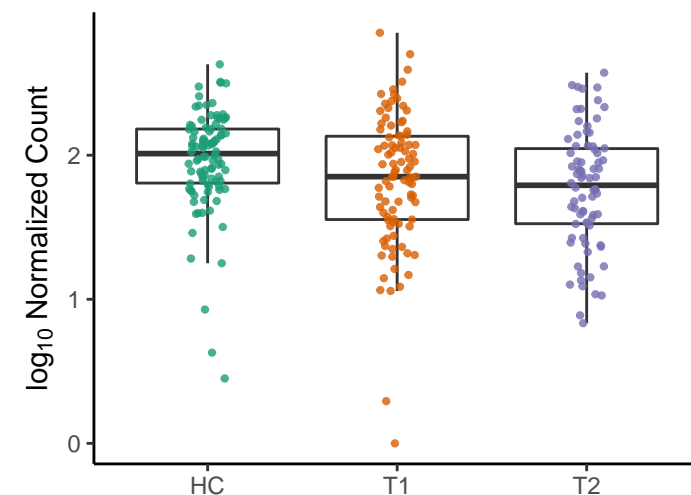
### Dictyoglomaceae

non-ED vs. T1 adjusted  $p = 0.07$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.72$



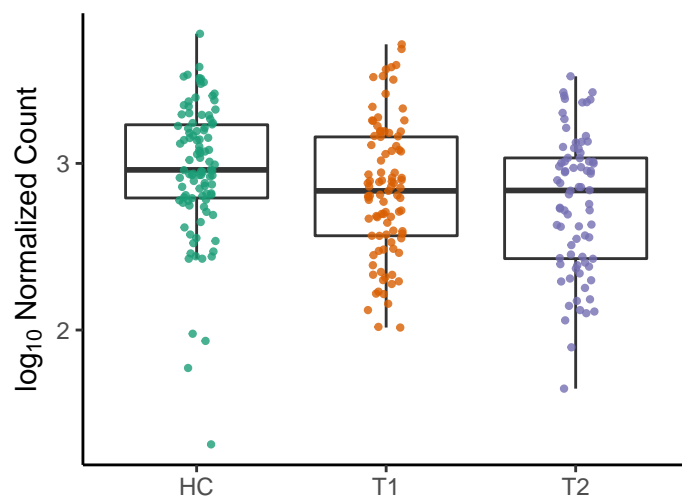
### Salinivirgaceae

non-ED vs. T1 adjusted  $p = 0.074$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.72$



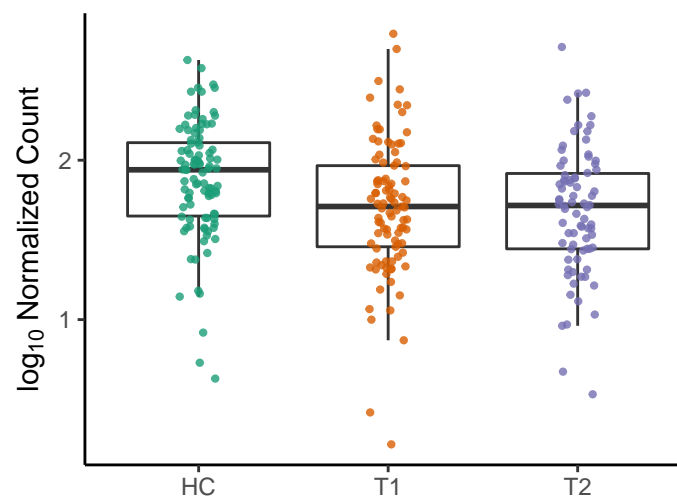
### Spiroplasmataceae

non-ED vs. T1 adjusted  $p = 0.074$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.72$



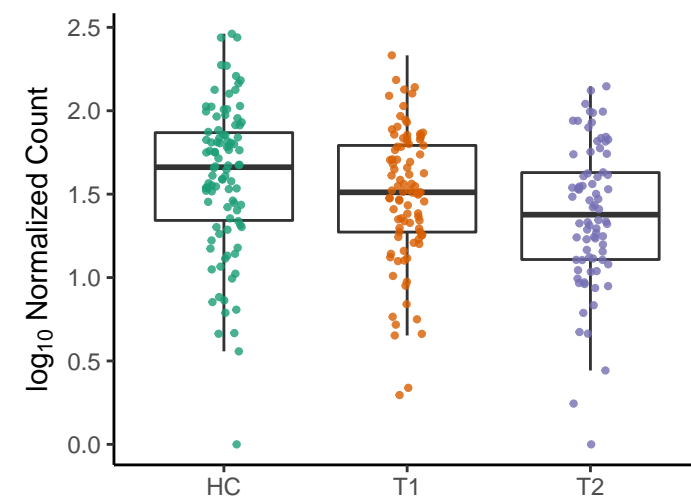
### Unclassified Silvanigrellales Order

non-ED vs. T1 adjusted  $p = 0.029$   
non-ED vs. T2 adjusted  $p = 0.015$   
T1 vs. T2 adjusted  $p = 0.82$



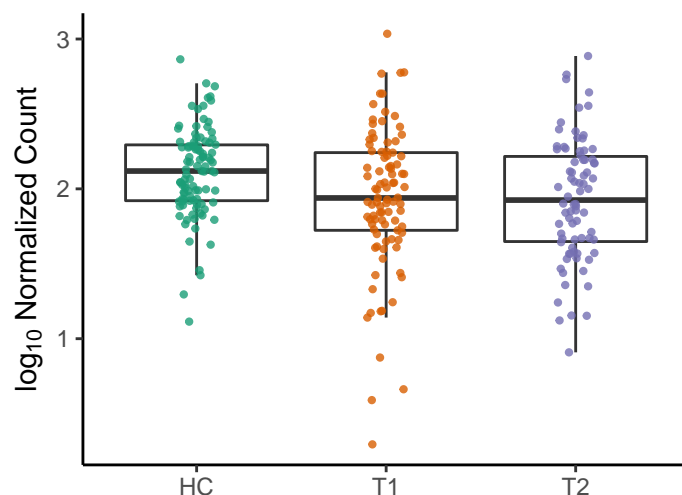
### Silvanigrellaceae

non-ED vs. T1 adjusted  $p = 0.15$   
non-ED vs. T2 adjusted  $p = 0.016$   
T1 vs. T2 adjusted  $p = 0.72$



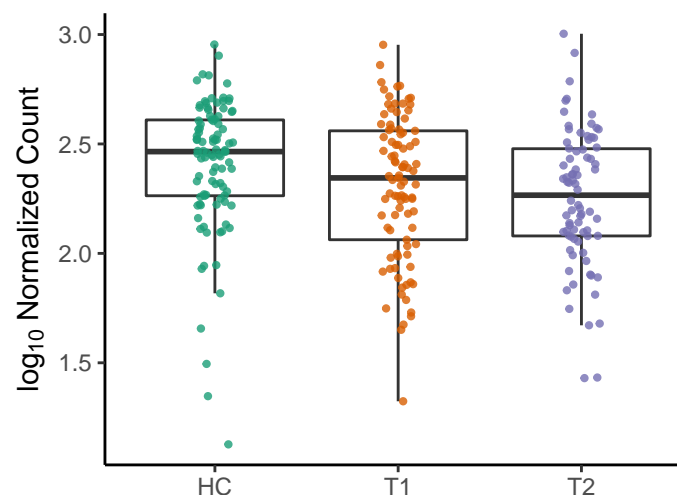
### Egibacteraceae

non-ED vs. T1 adjusted  $p = 0.027$   
non-ED vs. T2 adjusted  $p = 0.018$   
T1 vs. T2 adjusted  $p = 0.83$



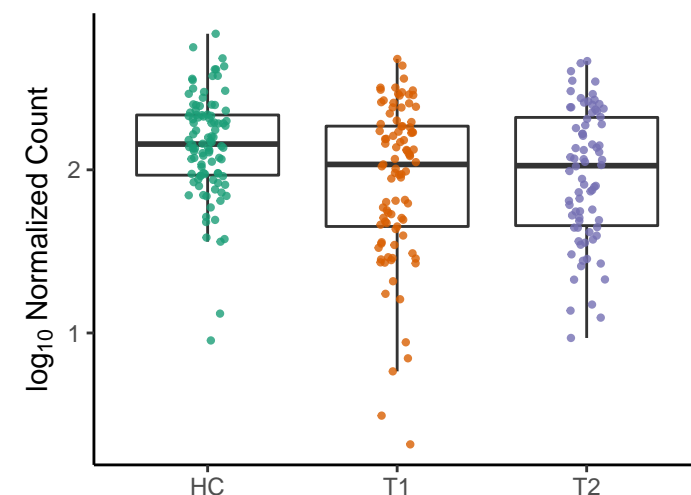
### Aphanizomenonaceae

non-ED vs. T1 adjusted  $p = 0.076$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.72$



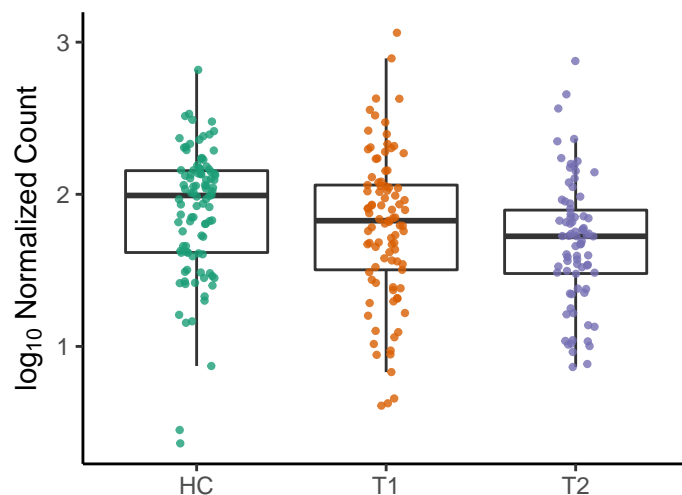
### Methanotrichaceae

non-ED vs. T1 adjusted  $p = 0.0078$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.72$



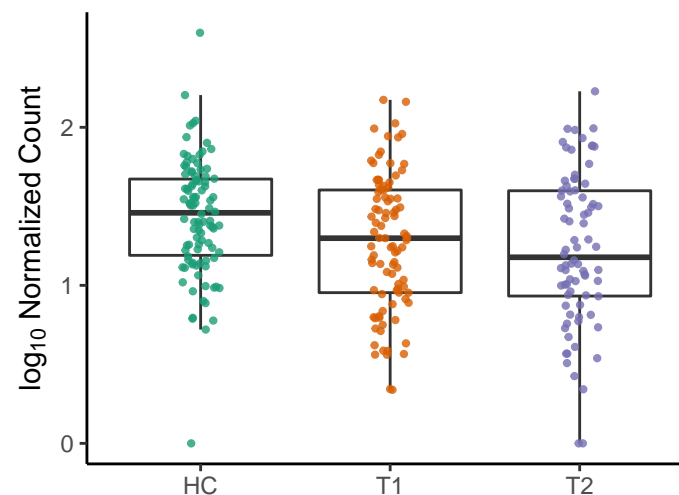
### Thermodesulfobiaceae

non-ED vs. T1 adjusted  $p = 0.2$   
non-ED vs. T2 adjusted  $p = 0.019$   
T1 vs. T2 adjusted  $p = 0.72$



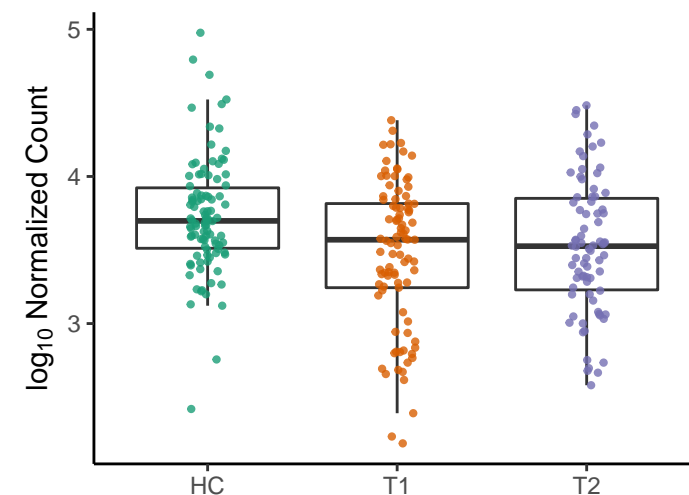
### Candidatus Midichloriaceae

non-ED vs. T1 adjusted  $p = 0.041$   
non-ED vs. T2 adjusted  $p = 0.025$   
T1 vs. T2 adjusted  $p = 0.72$



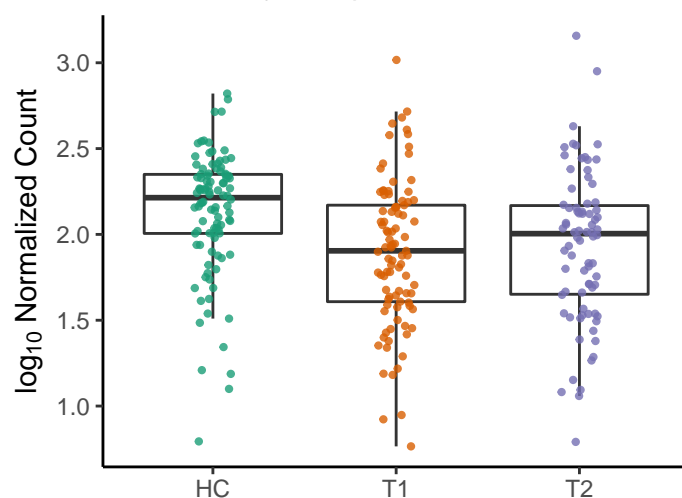
### Unclassified Actinobacteria Phylum

non-ED vs. T1 adjusted  $p = 0.0044$   
non-ED vs. T2 adjusted  $p = 0.025$   
T1 vs. T2 adjusted  $p = 0.72$



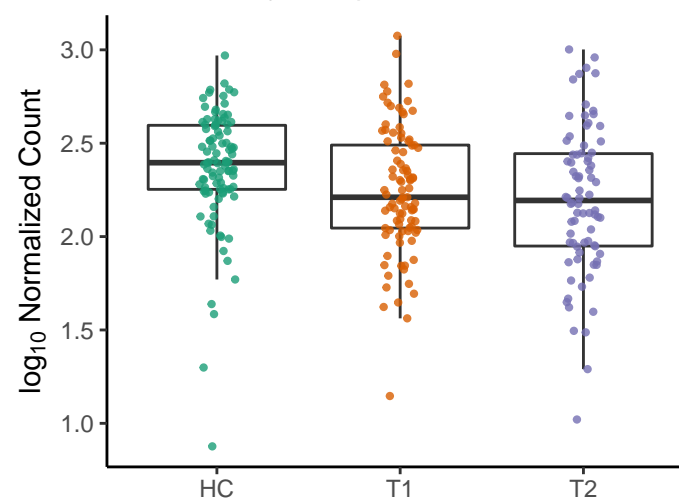
### Ignavibacteriaceae

non-ED vs. T1 adjusted  $p = 0.0025$   
non-ED vs. T2 adjusted  $p = 0.025$   
T1 vs. T2 adjusted  $p = 0.82$



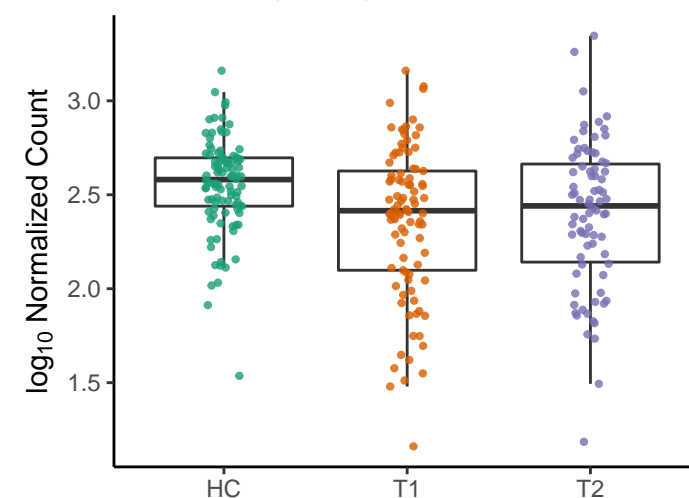
### Nautiliaceae

non-ED vs. T1 adjusted  $p = 0.051$   
non-ED vs. T2 adjusted  $p = 0.025$   
T1 vs. T2 adjusted  $p = 0.72$



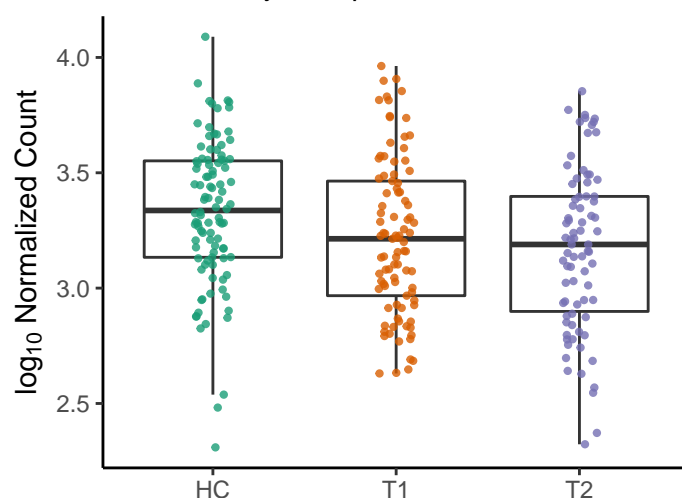
### Fibrobacteraceae

non-ED vs. T1 adjusted  $p = 0.0053$   
non-ED vs. T2 adjusted  $p = 0.026$   
T1 vs. T2 adjusted  $p = 0.72$



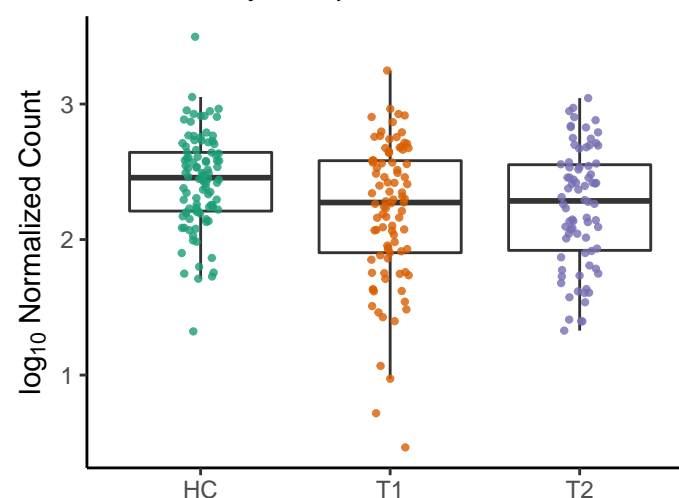
### Mycoplasmataceae

non-ED vs. T1 adjusted  $p = 0.073$   
non-ED vs. T2 adjusted  $p = 0.026$   
T1 vs. T2 adjusted  $p = 0.72$



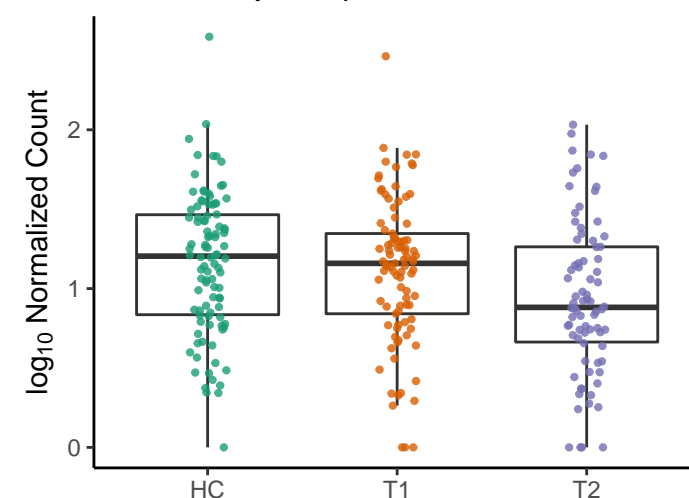
### Sanguibacteraceae

non-ED vs. T1 adjusted  $p = 0.01$   
non-ED vs. T2 adjusted  $p = 0.027$   
T1 vs. T2 adjusted  $p = 0.72$



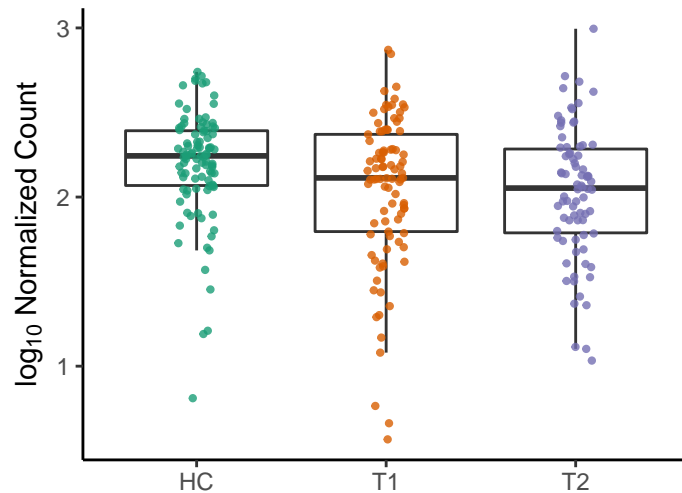
### Candidatus Deianiraeaceae

non-ED vs. T1 adjusted  $p = 0.55$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 0.72$



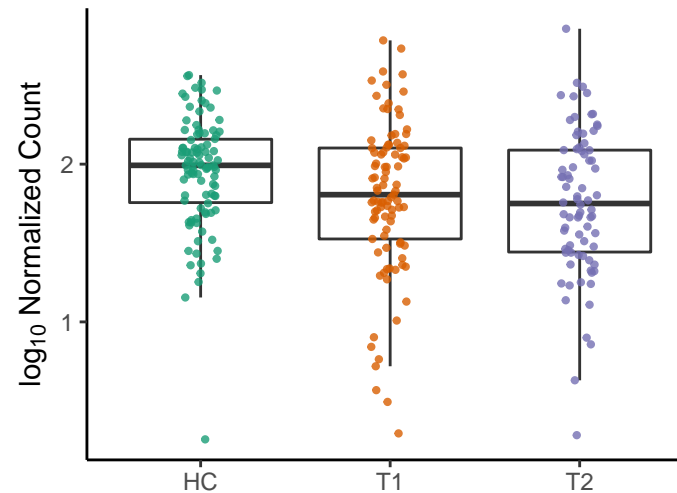
### Lacipirellulaceae

non-ED vs. T1 adjusted  $p = 0.048$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 1$



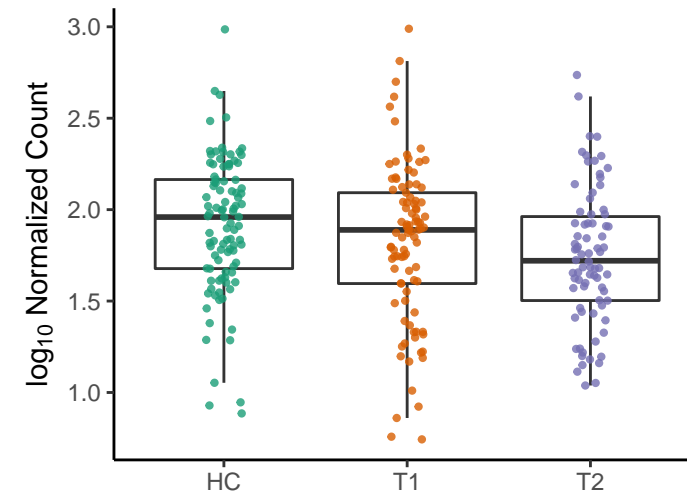
### Lichenihibitantaceae

non-ED vs. T1 adjusted  $p = 0.055$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 1$



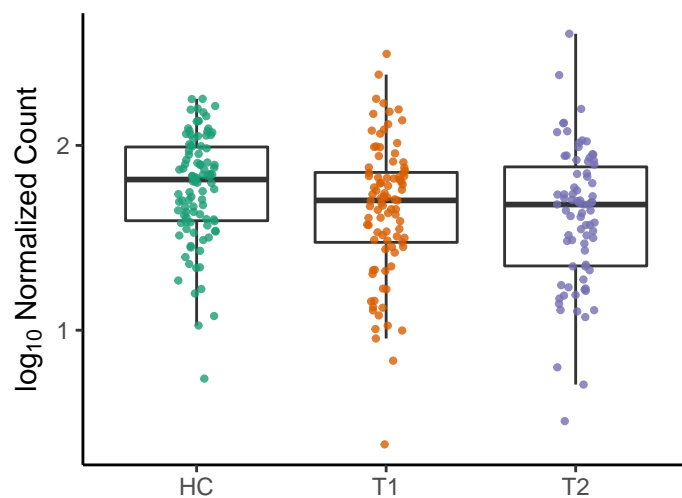
### Unclassified Flavobacteriales Order

non-ED vs. T1 adjusted  $p = 0.19$   
non-ED vs. T2 adjusted  $p = 0.028$   
T1 vs. T2 adjusted  $p = 0.72$



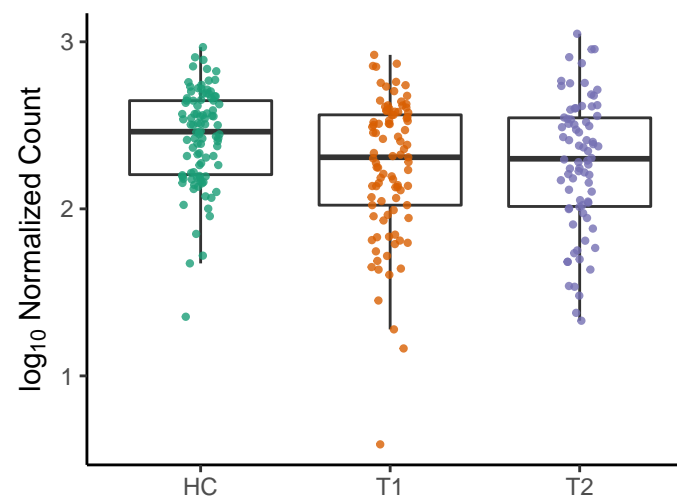
### Chamaesiphonaceae

non-ED vs. T1 adjusted  $p = 0.063$   
non-ED vs. T2 adjusted  $p = 0.032$   
T1 vs. T2 adjusted  $p = 0.72$



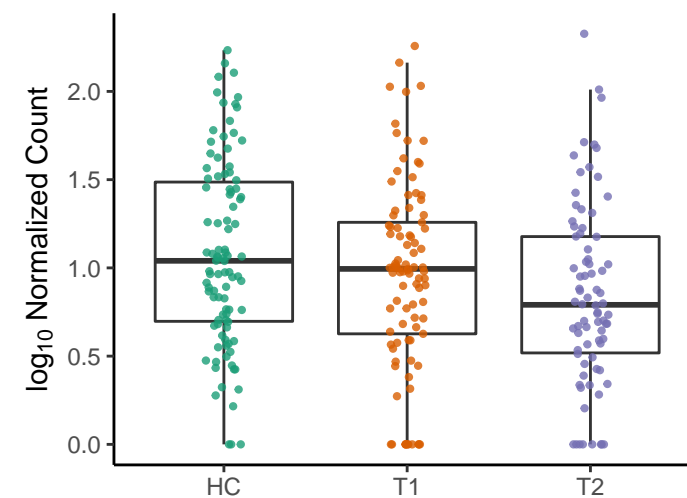
### Cohaesibacteraceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.032$   
T1 vs. T2 adjusted  $p = 0.74$



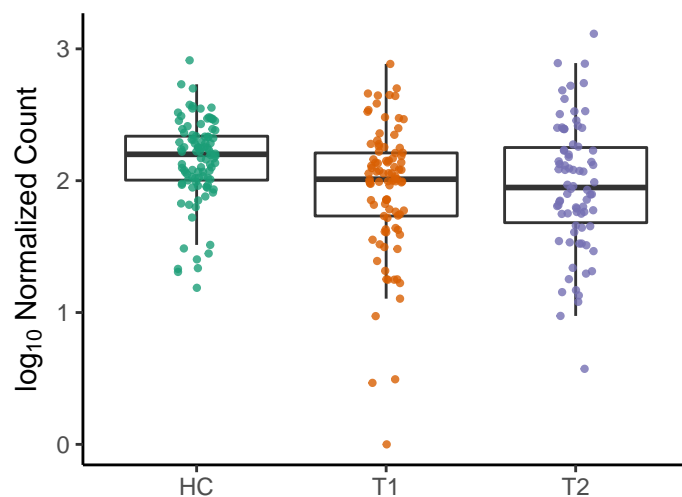
### Unclassified Entomoplasmatales Order

non-ED vs. T1 adjusted  $p = 0.21$   
non-ED vs. T2 adjusted  $p = 0.032$   
T1 vs. T2 adjusted  $p = 0.72$



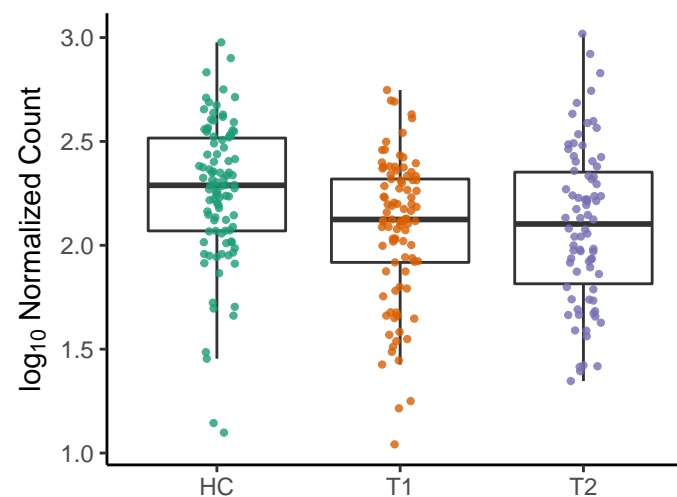
### Unclassified Thermoplasmatales Order

non-ED vs. T1 adjusted  $p = 0.01$   
non-ED vs. T2 adjusted  $p = 0.032$   
T1 vs. T2 adjusted  $p = 0.72$



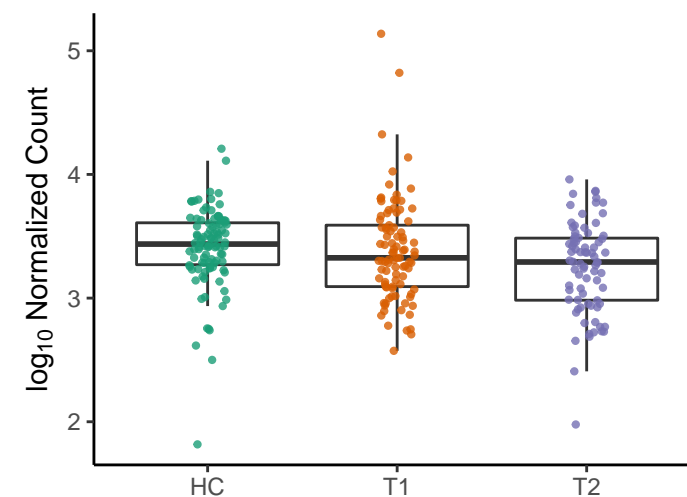
### Clavicipitaceae

non-ED vs. T1 adjusted  $p = 0.01$   
non-ED vs. T2 adjusted  $p = 0.033$   
T1 vs. T2 adjusted  $p = 0.89$



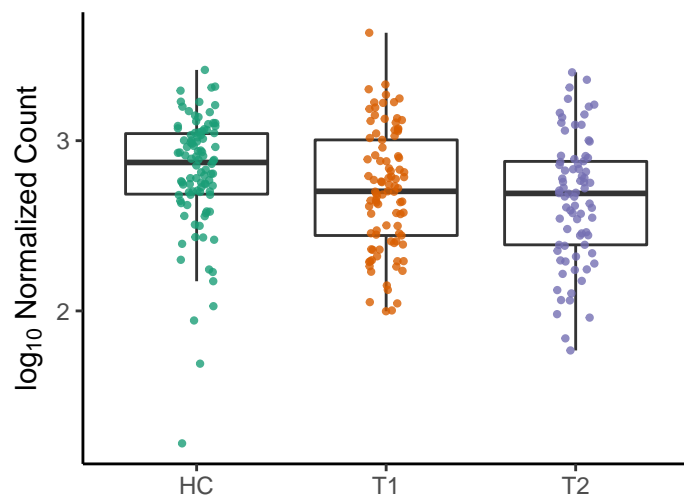
### Fusobacteriaceae

non-ED vs. T1 adjusted  $p = 0.71$   
non-ED vs. T2 adjusted  $p = 0.033$   
T1 vs. T2 adjusted  $p = 0.71$



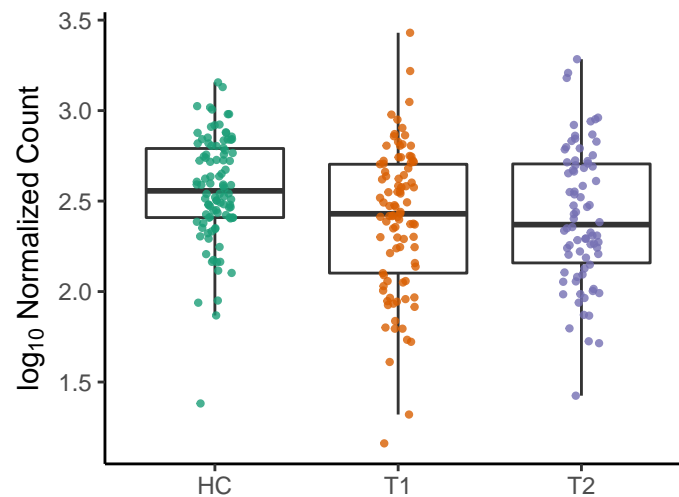
### Brachyspiraceae

non-ED vs. T1 adjusted  $p = 0.11$   
non-ED vs. T2 adjusted  $p = 0.037$   
T1 vs. T2 adjusted  $p = 0.72$



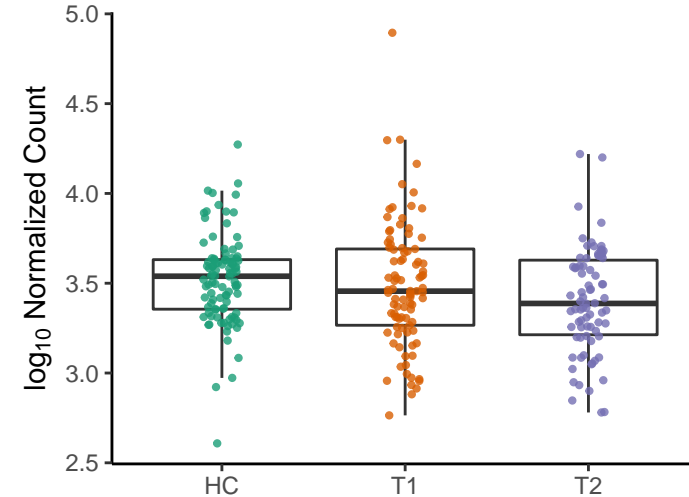
### Glomerellaceae

non-ED vs. T1 adjusted  $p = 0.018$   
non-ED vs. T2 adjusted  $p = 0.037$   
T1 vs. T2 adjusted  $p = 0.72$



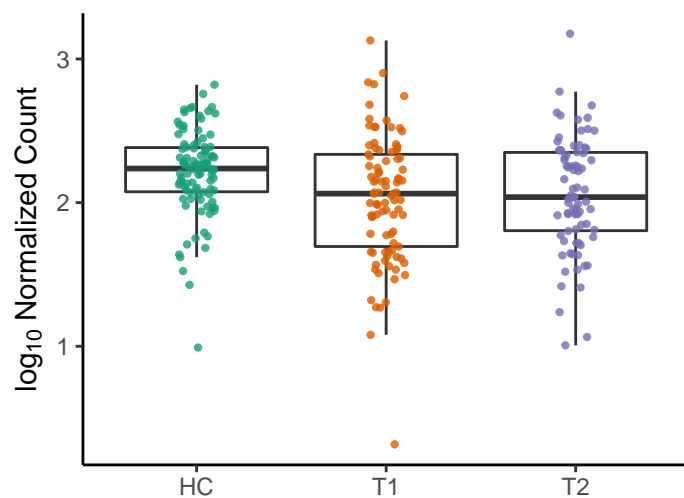
### Unclassified Enterobacteriales Order

non-ED vs. T1 adjusted  $p = 0.5$   
non-ED vs. T2 adjusted  $p = 0.037$   
T1 vs. T2 adjusted  $p = 0.72$



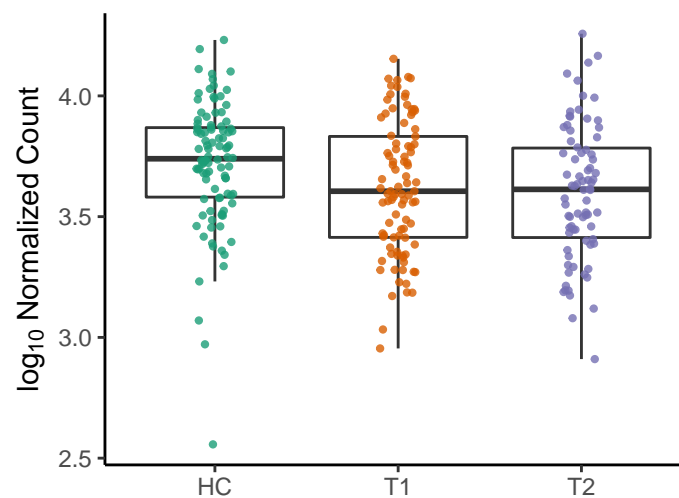
### Ktedonosporobacteraceae

non-ED vs. T1 adjusted  $p = 0.018$   
non-ED vs. T2 adjusted  $p = 0.039$   
T1 vs. T2 adjusted  $p = 0.72$



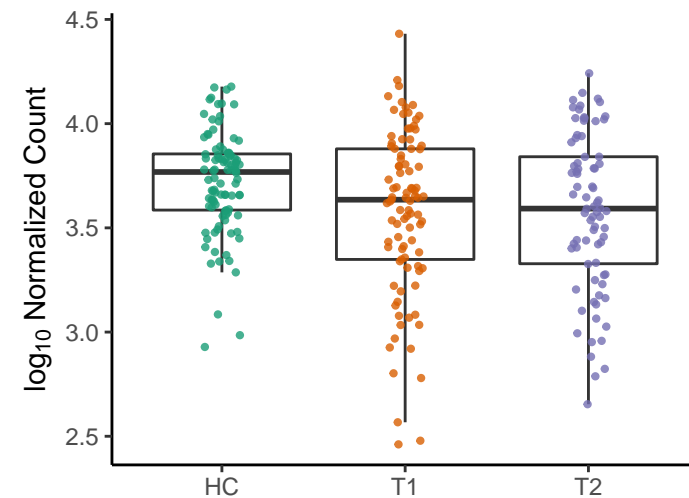
### Unclassified Bacillales Order

non-ED vs. T1 adjusted  $p = 0.055$   
non-ED vs. T2 adjusted  $p = 0.039$   
T1 vs. T2 adjusted  $p = 0.97$



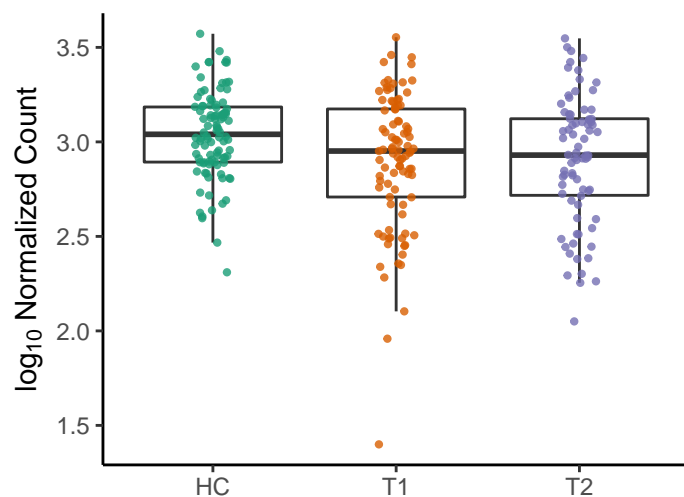
### Unclassified Burkholderiales Order

non-ED vs. T1 adjusted  $p = 0.029$   
non-ED vs. T2 adjusted  $p = 0.039$   
T1 vs. T2 adjusted  $p = 0.74$



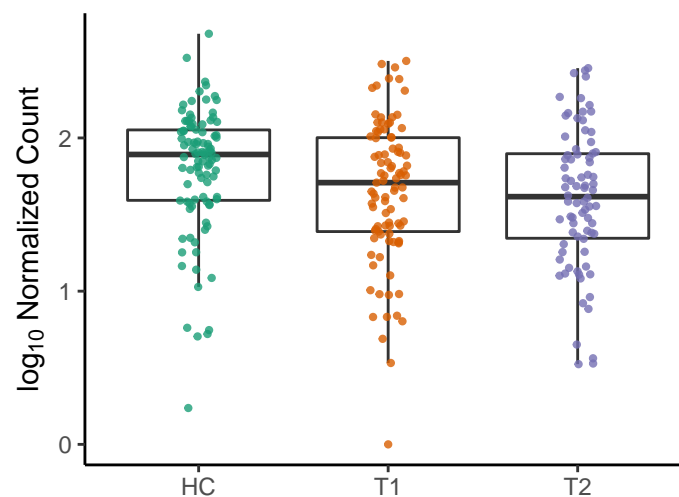
### Brevibacteriaceae

non-ED vs. T1 adjusted  $p = 0.027$   
non-ED vs. T2 adjusted  $p = 0.039$   
T1 vs. T2 adjusted  $p = 0.82$



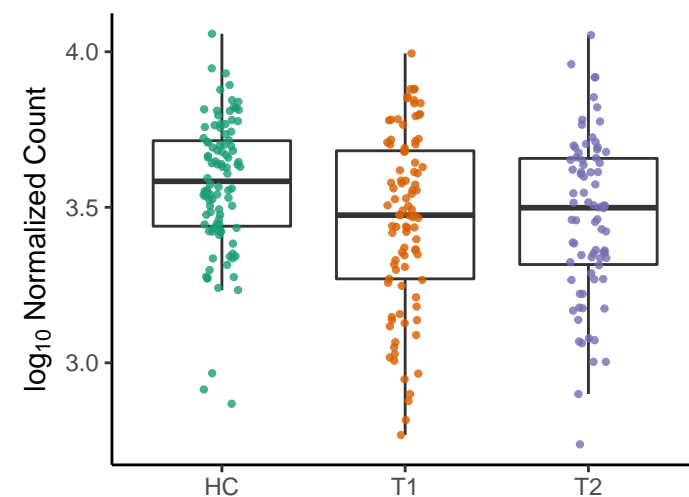
### Cryomorphaceae

non-ED vs. T1 adjusted  $p = 0.074$   
non-ED vs. T2 adjusted  $p = 0.039$   
T1 vs. T2 adjusted  $p = 0.72$



### Erwiniaceae

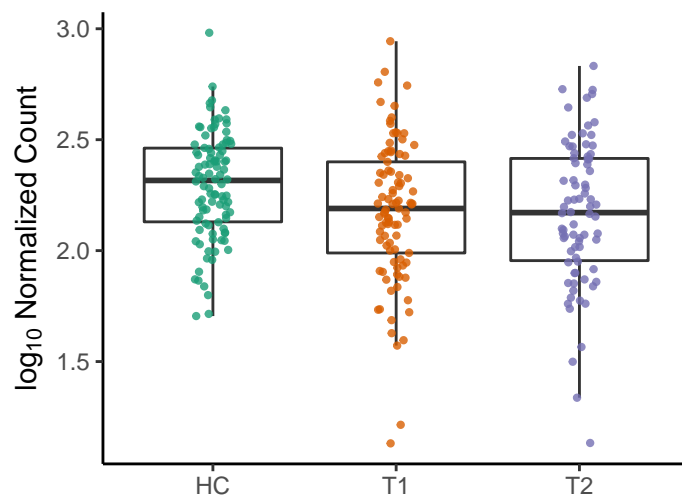
non-ED vs. T1 adjusted  $p = 0.022$   
non-ED vs. T2 adjusted  $p = 0.039$   
T1 vs. T2 adjusted  $p = 0.72$





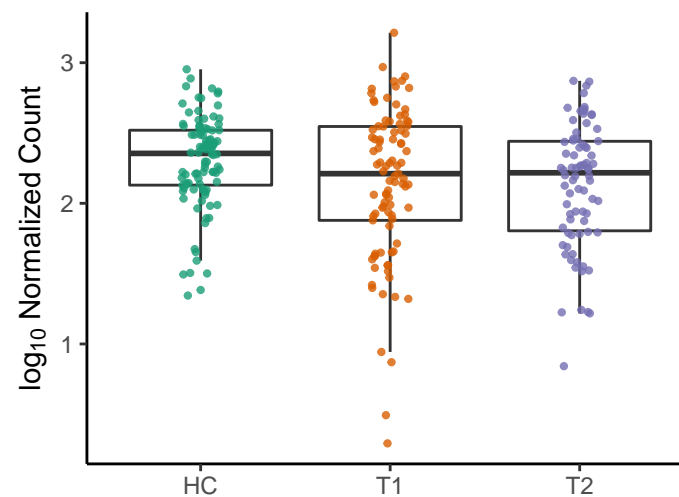
### Kosmotogaceae

non-ED vs. T1 adjusted  $p = 0.04$   
non-ED vs. T2 adjusted  $p = 0.041$   
T1 vs. T2 adjusted  $p = 0.96$



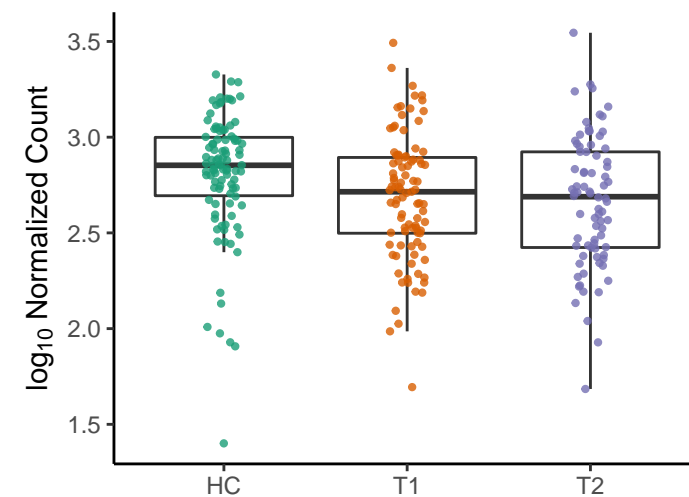
### Euzebyaceae

non-ED vs. T1 adjusted  $p = 0.066$   
non-ED vs. T2 adjusted  $p = 0.041$   
T1 vs. T2 adjusted  $p = 0.97$



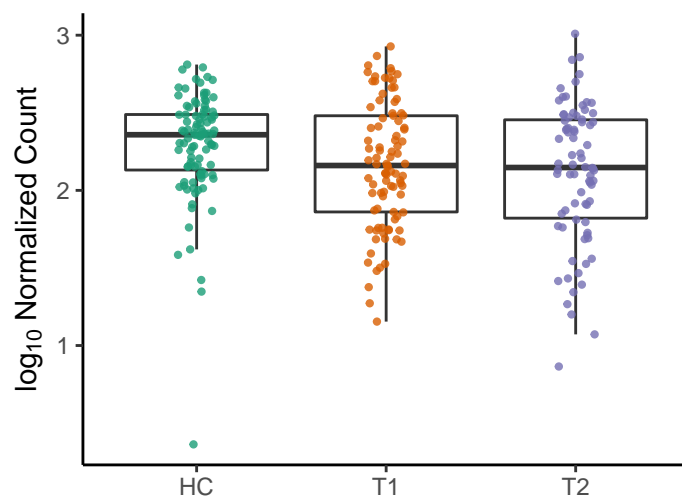
### Francisellaceae

non-ED vs. T1 adjusted  $p = 0.056$   
non-ED vs. T2 adjusted  $p = 0.041$   
T1 vs. T2 adjusted  $p = 0.82$



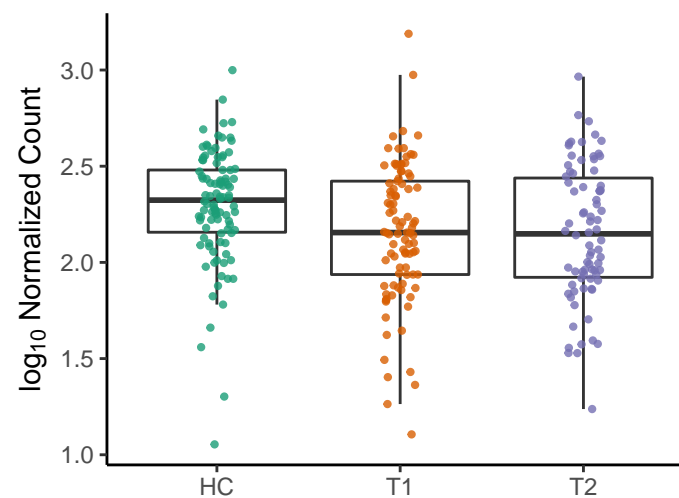
### Methanocaldococcaceae

non-ED vs. T1 adjusted  $p = 0.07$   
non-ED vs. T2 adjusted  $p = 0.041$   
T1 vs. T2 adjusted  $p = 0.77$



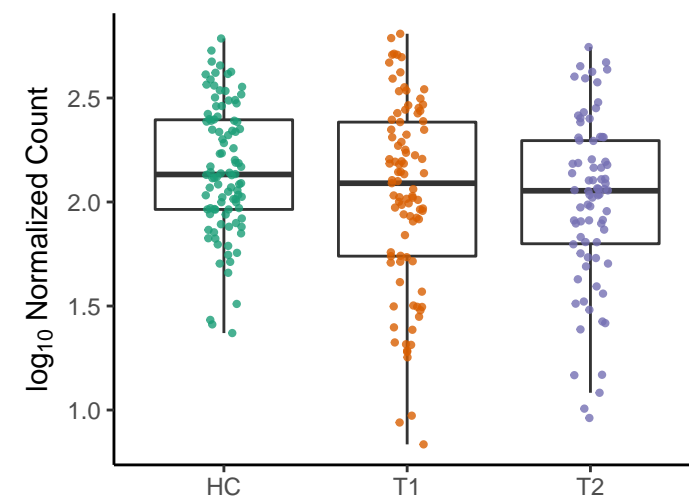
### Unclassified Campylobacteriales Order

non-ED vs. T1 adjusted  $p = 0.04$   
non-ED vs. T2 adjusted  $p = 0.042$   
T1 vs. T2 adjusted  $p = 0.89$



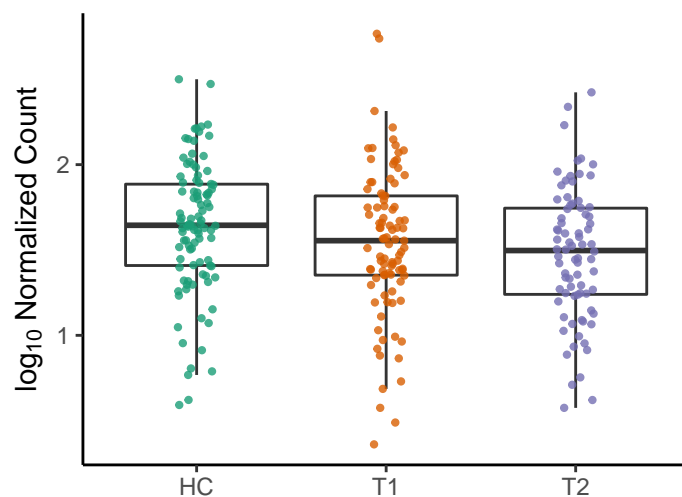
### Halothiobacillaceae

non-ED vs. T1 adjusted  $p = 0.074$   
non-ED vs. T2 adjusted  $p = 0.044$   
T1 vs. T2 adjusted  $p = 0.96$



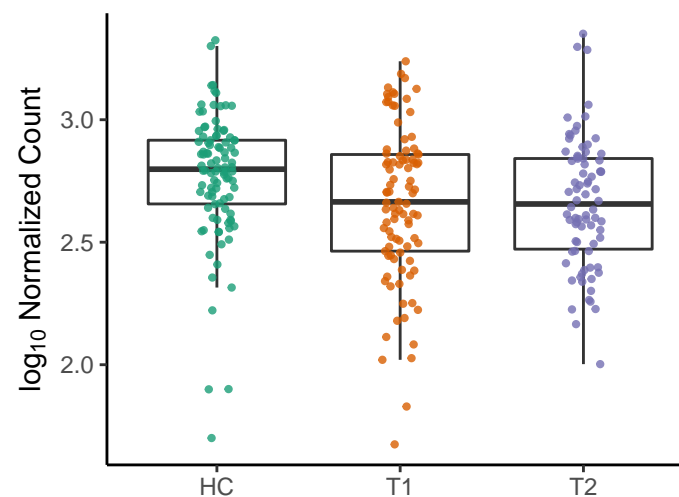
### Chroococciopsidaceae

non-ED vs. T1 adjusted  $p = 0.21$   
non-ED vs. T2 adjusted  $p = 0.044$   
T1 vs. T2 adjusted  $p = 0.72$



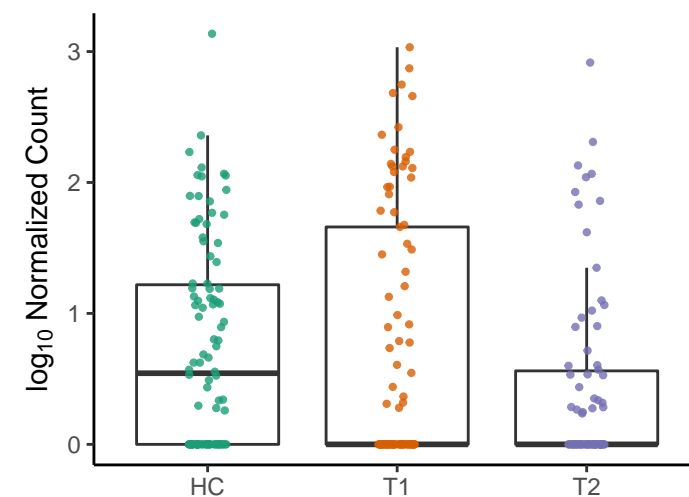
### Piscirickettsiaceae

non-ED vs. T1 adjusted  $p = 0.048$   
non-ED vs. T2 adjusted  $p = 0.046$   
T1 vs. T2 adjusted  $p = 0.87$



### Unclassified Verrucomicrobiales Order

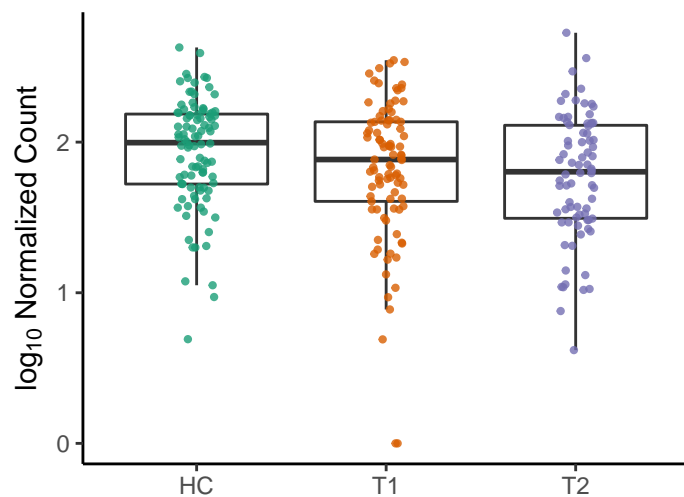
non-ED vs. T1 adjusted  $p = 0.95$   
non-ED vs. T2 adjusted  $p = 0.046$   
T1 vs. T2 adjusted  $p = 0.24$





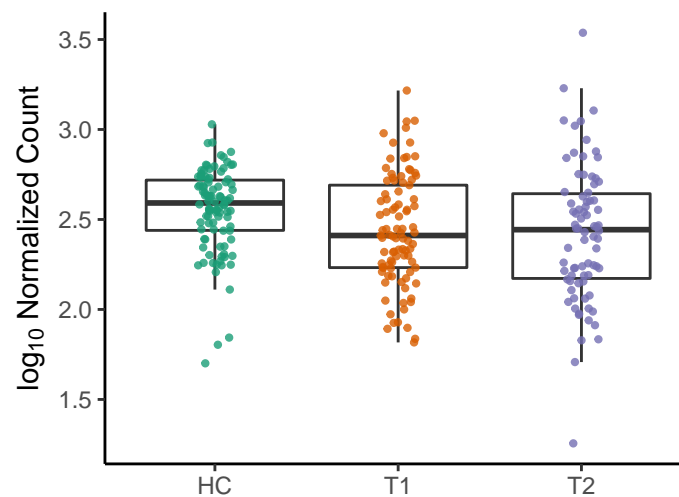
### Bernardetiaceae

non-ED vs. T1 adjusted  $p = 0.12$   
non-ED vs. T2 adjusted  $p = 0.049$   
T1 vs. T2 adjusted  $p = 0.72$



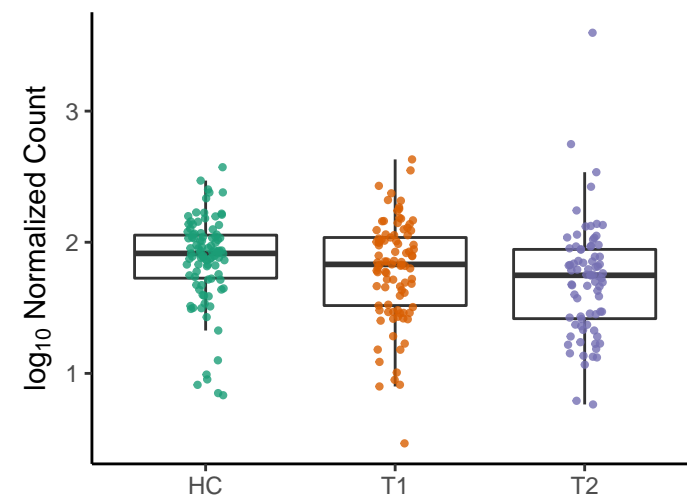
### Methanococcaceae

non-ED vs. T1 adjusted  $p = 0.034$   
non-ED vs. T2 adjusted  $p = 0.051$   
T1 vs. T2 adjusted  $p = 0.92$



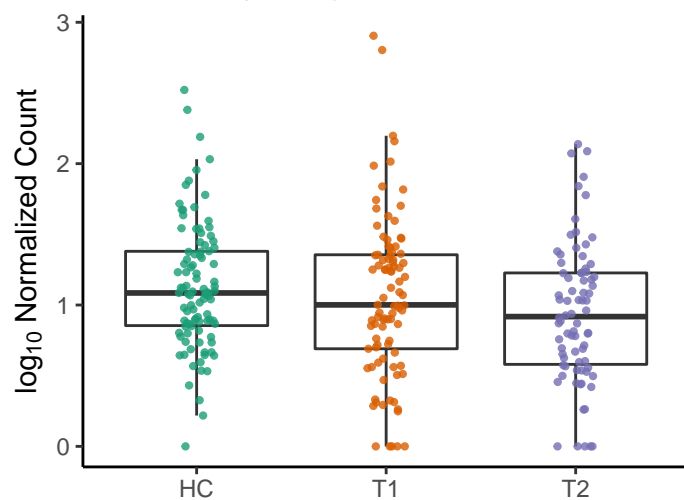
### Unclassified Oceanospirillales Order

non-ED vs. T1 adjusted  $p = 0.21$   
non-ED vs. T2 adjusted  $p = 0.051$   
T1 vs. T2 adjusted  $p = 0.72$



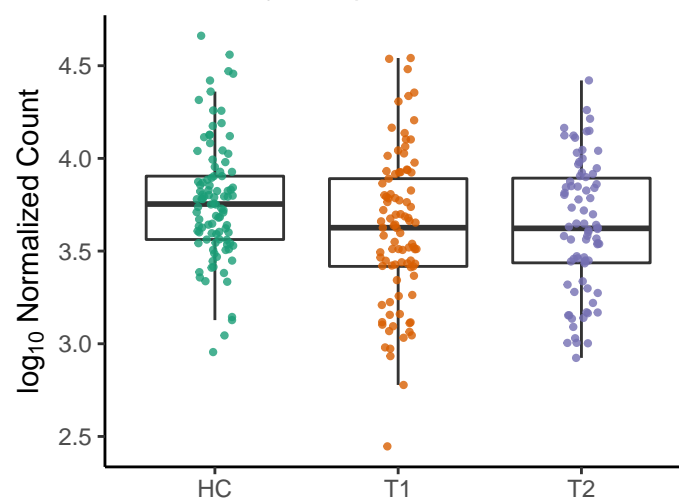
### Thermoplasmataceae

non-ED vs. T1 adjusted  $p = 0.4$   
non-ED vs. T2 adjusted  $p = 0.052$   
T1 vs. T2 adjusted  $p = 0.72$



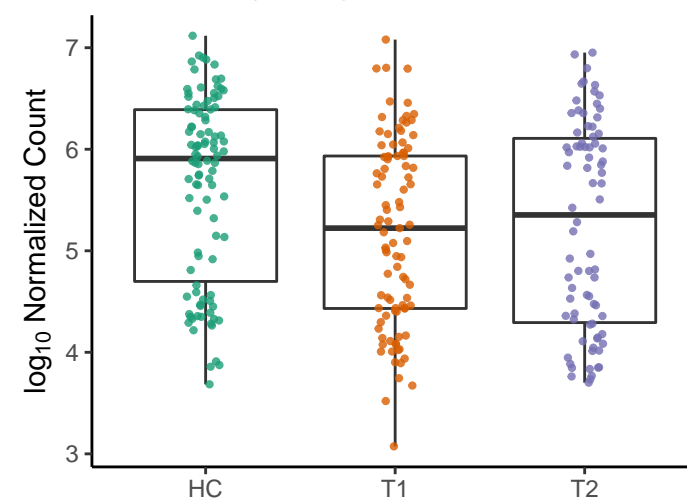
### Oxalobacteraceae

non-ED vs. T1 adjusted  $p = 0.034$   
non-ED vs. T2 adjusted  $p = 0.054$   
T1 vs. T2 adjusted  $p = 0.73$



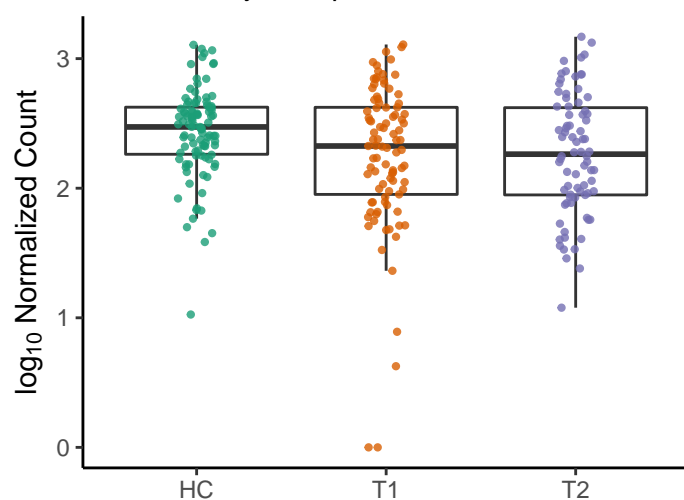
### Bifidobacteriaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.054$   
T1 vs. T2 adjusted  $p = 0.72$



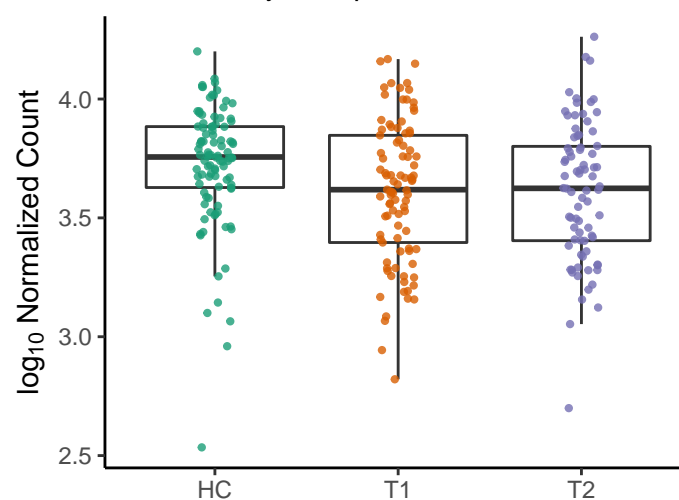
### Ardenticatenaceae

non-ED vs. T1 adjusted  $p = 0.047$   
non-ED vs. T2 adjusted  $p = 0.054$   
T1 vs. T2 adjusted  $p = 0.72$



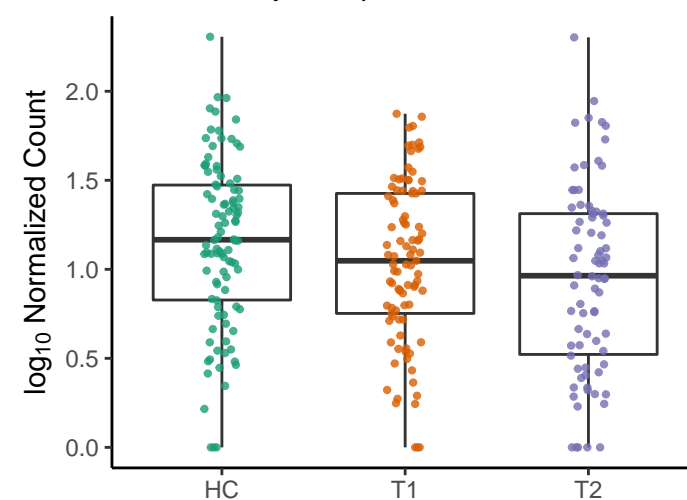
### Hungateiclostridiaceae

non-ED vs. T1 adjusted  $p = 0.045$   
non-ED vs. T2 adjusted  $p = 0.054$   
T1 vs. T2 adjusted  $p = 0.91$



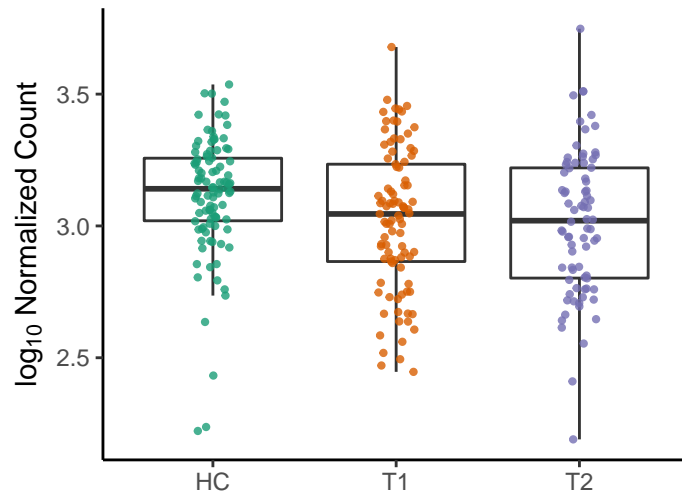
### Ichthyobacteriaceae

non-ED vs. T1 adjusted  $p = 0.18$   
non-ED vs. T2 adjusted  $p = 0.054$   
T1 vs. T2 adjusted  $p = 0.72$



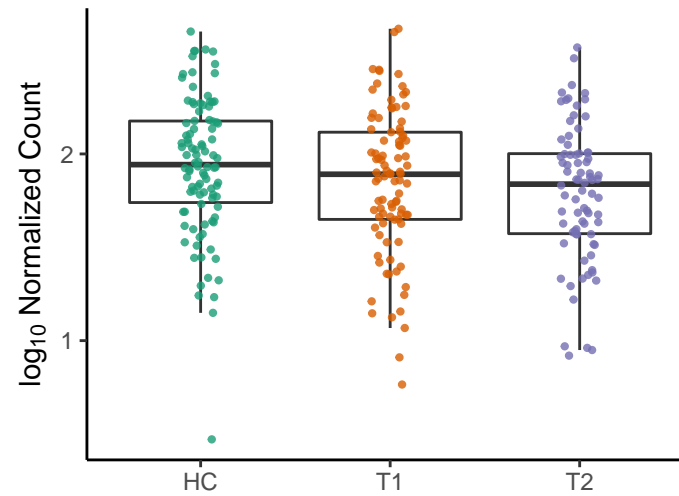
### Nostocaceae

non-ED vs. T1 adjusted  $p = 0.059$   
non-ED vs. T2 adjusted  $p = 0.055$   
T1 vs. T2 adjusted  $p = 0.96$



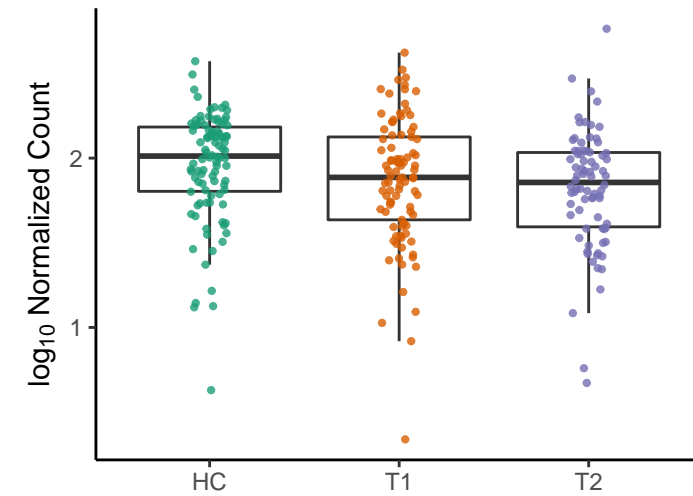
### Endomicrobiaceae

non-ED vs. T1 adjusted  $p = 0.19$   
non-ED vs. T2 adjusted  $p = 0.056$   
T1 vs. T2 adjusted  $p = 0.72$



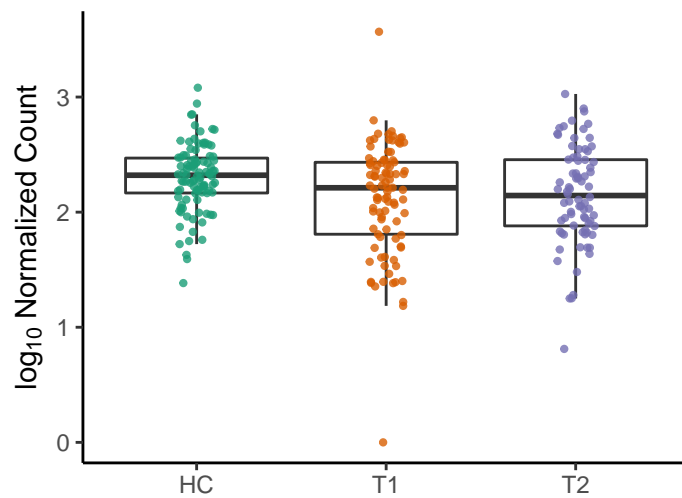
### Natronaerobiaceae

non-ED vs. T1 adjusted  $p = 0.16$   
non-ED vs. T2 adjusted  $p = 0.056$   
T1 vs. T2 adjusted  $p = 0.72$



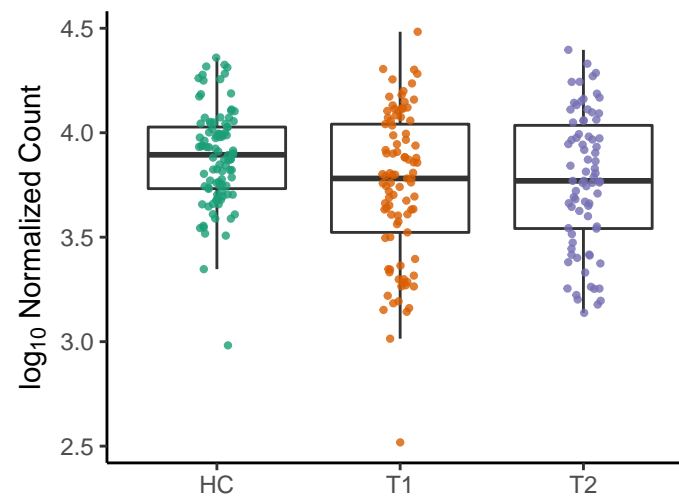
### Vulgatibacteraceae

non-ED vs. T1 adjusted  $p = 0.027$   
non-ED vs. T2 adjusted  $p = 0.058$   
T1 vs. T2 adjusted  $p = 0.72$



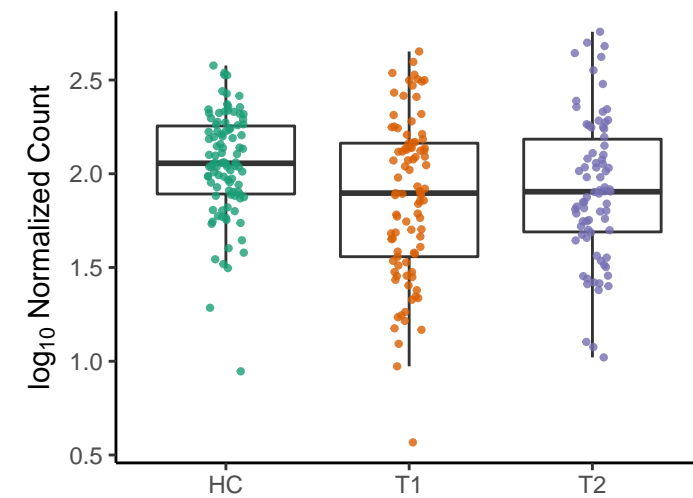
### Corynebacteriaceae

non-ED vs. T1 adjusted  $p = 0.024$   
non-ED vs. T2 adjusted  $p = 0.062$   
T1 vs. T2 adjusted  $p = 0.72$



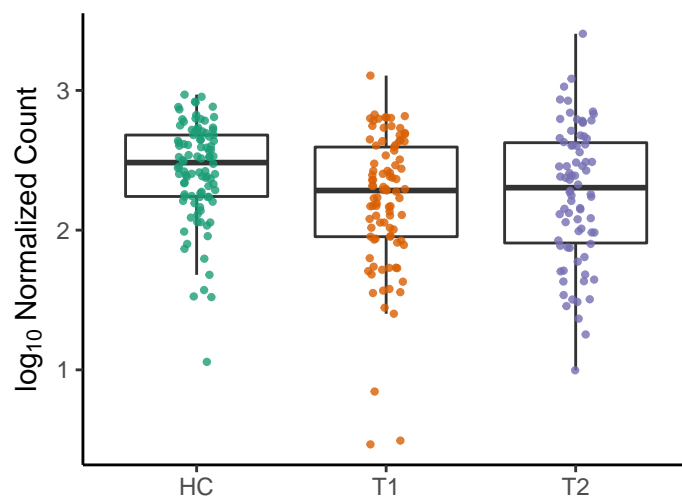
### Methylacidiphilaceae

non-ED vs. T1 adjusted  $p = 0.011$   
non-ED vs. T2 adjusted  $p = 0.062$   
T1 vs. T2 adjusted  $p = 0.72$



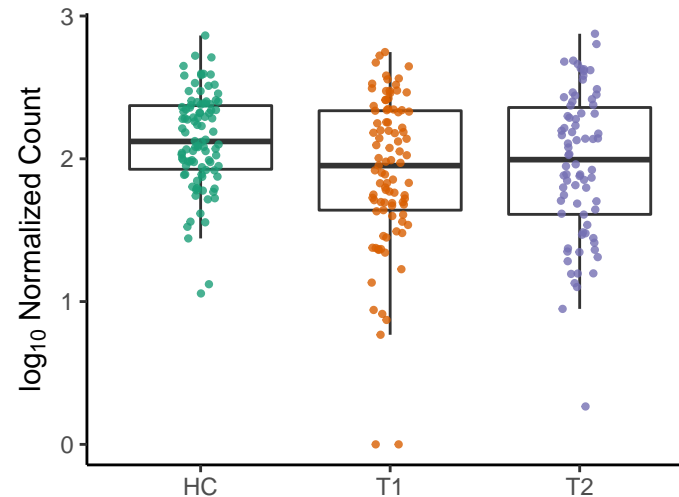
### Conexibacteraceae

non-ED vs. T1 adjusted  $p = 0.01$   
non-ED vs. T2 adjusted  $p = 0.062$   
T1 vs. T2 adjusted  $p = 0.72$



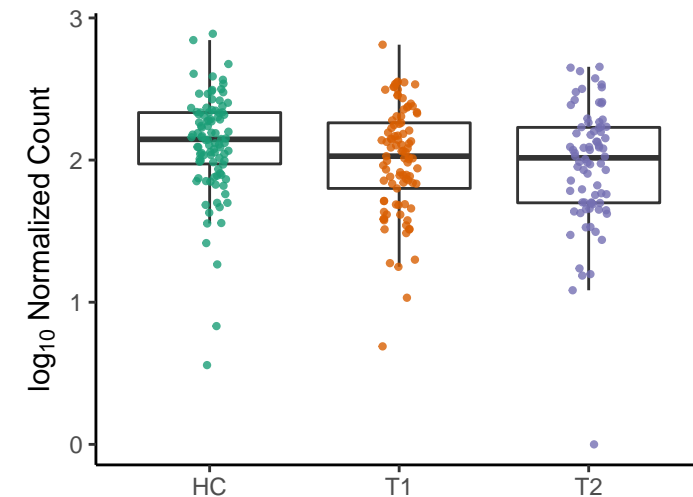
### Ilumatobacteraceae

non-ED vs. T1 adjusted  $p = 0.012$   
non-ED vs. T2 adjusted  $p = 0.062$   
T1 vs. T2 adjusted  $p = 0.72$



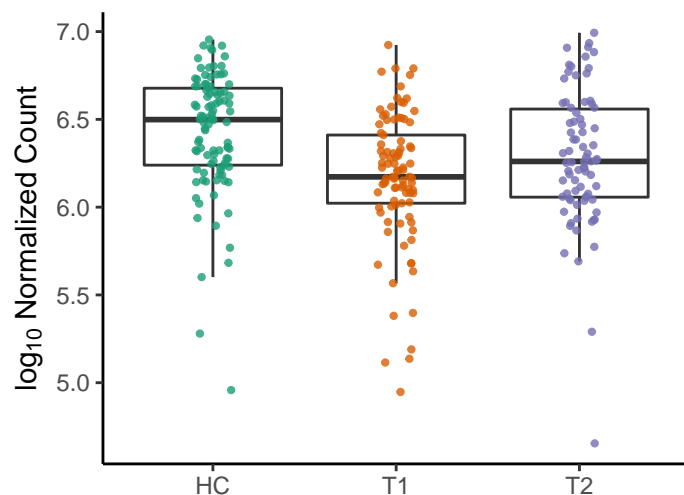
### Nitrosopumilaceae

non-ED vs. T1 adjusted  $p = 0.096$   
non-ED vs. T2 adjusted  $p = 0.062$   
T1 vs. T2 adjusted  $p = 0.72$



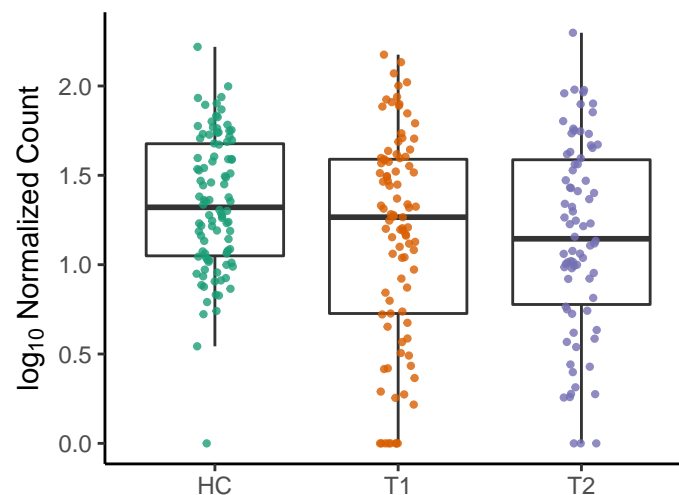
### Ruminococcaceae

non-ED vs. T1 adjusted  $p = 0.00017$   
non-ED vs. T2 adjusted  $p = 0.062$   
T1 vs. T2 adjusted  $p = 0.72$



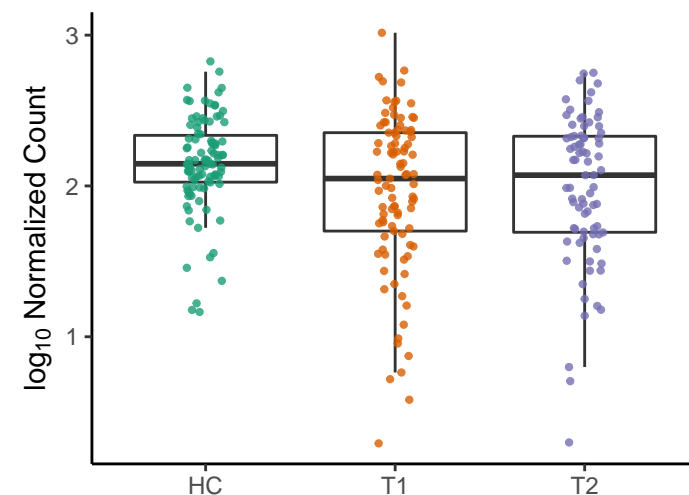
### Unclassified Streptosporangiales Order

non-ED vs. T1 adjusted  $p = 0.055$   
non-ED vs. T2 adjusted  $p = 0.062$   
T1 vs. T2 adjusted  $p = 0.72$



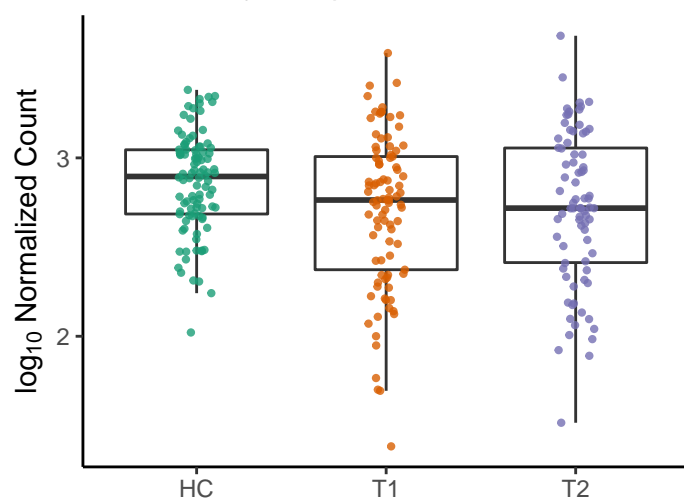
### Immundisolibacteraceae

non-ED vs. T1 adjusted  $p = 0.032$   
non-ED vs. T2 adjusted  $p = 0.065$   
T1 vs. T2 adjusted  $p = 0.72$



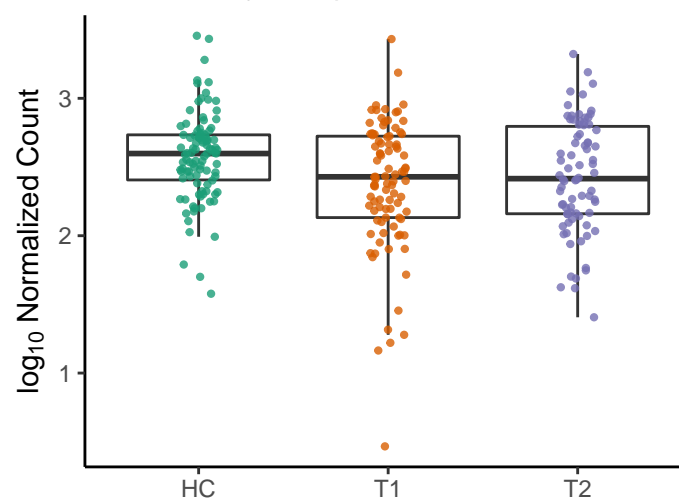
### Isosphaeraceae

non-ED vs. T1 adjusted  $p = 0.034$   
non-ED vs. T2 adjusted  $p = 0.065$   
T1 vs. T2 adjusted  $p = 0.72$



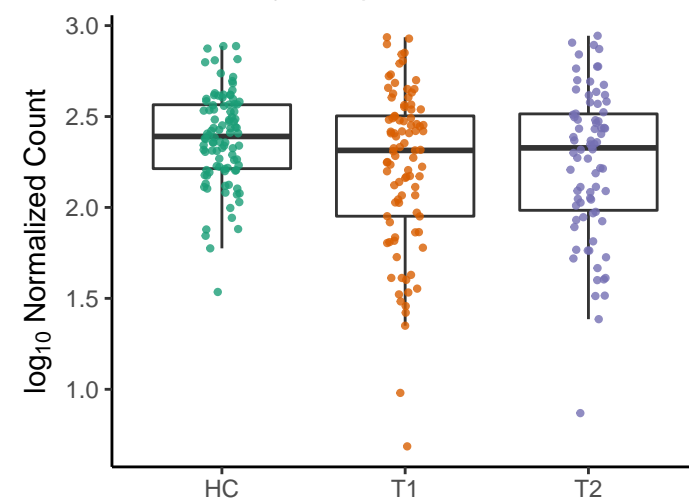
### Ruaniaceae

non-ED vs. T1 adjusted  $p = 0.013$   
non-ED vs. T2 adjusted  $p = 0.065$   
T1 vs. T2 adjusted  $p = 0.72$



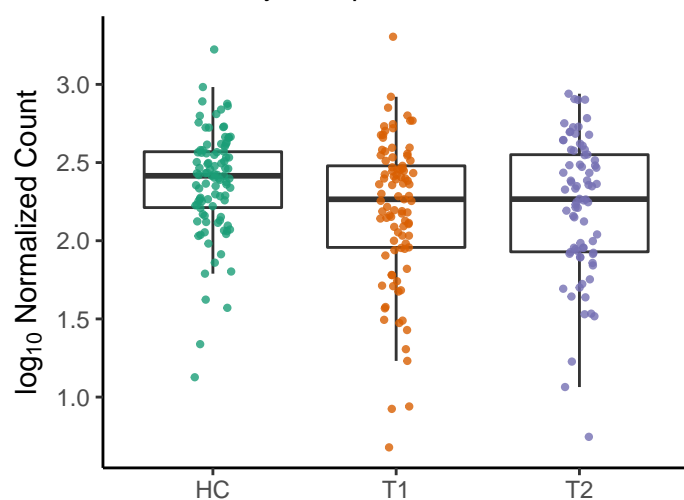
### Thiobacillaceae

non-ED vs. T1 adjusted  $p = 0.029$   
non-ED vs. T2 adjusted  $p = 0.065$   
T1 vs. T2 adjusted  $p = 0.73$



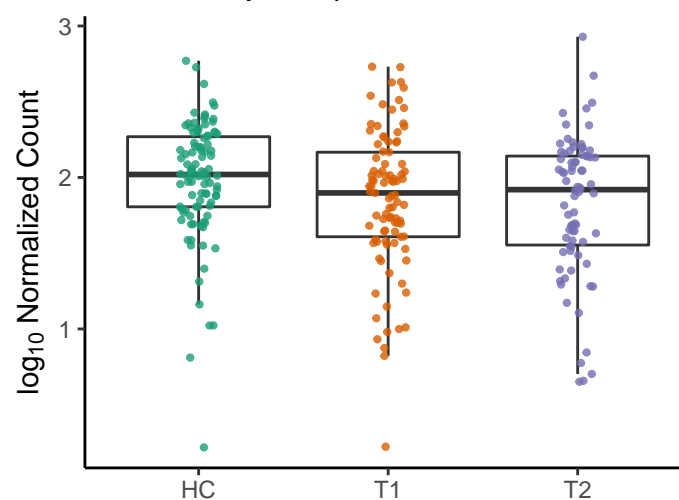
### Unclassified Chromatiales Order

non-ED vs. T1 adjusted  $p = 0.029$   
non-ED vs. T2 adjusted  $p = 0.065$   
T1 vs. T2 adjusted  $p = 0.72$



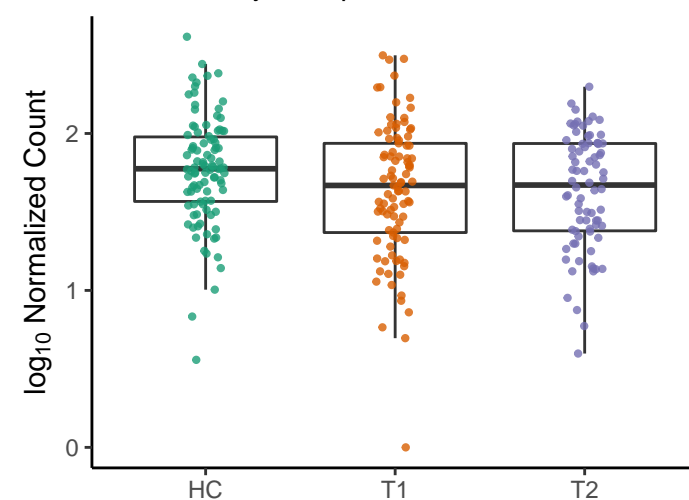
### Crocinitomicaceae

non-ED vs. T1 adjusted  $p = 0.085$   
non-ED vs. T2 adjusted  $p = 0.068$   
T1 vs. T2 adjusted  $p = 0.82$



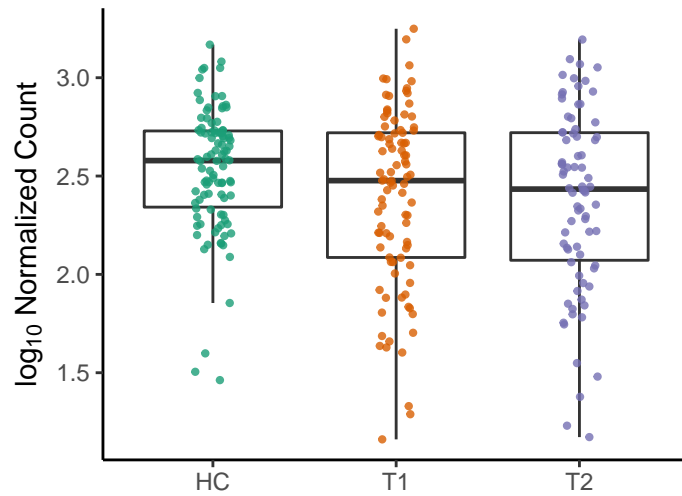
### Mesoaciditogaceae

non-ED vs. T1 adjusted  $p = 0.074$   
non-ED vs. T2 adjusted  $p = 0.068$   
T1 vs. T2 adjusted  $p = 0.87$



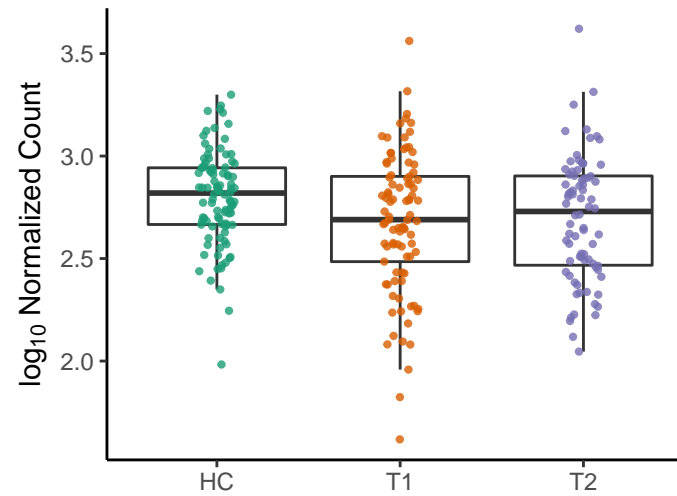
### Kofleriaceae

non-ED vs. T1 adjusted  $p = 0.062$   
non-ED vs. T2 adjusted  $p = 0.071$   
T1 vs. T2 adjusted  $p = 0.87$



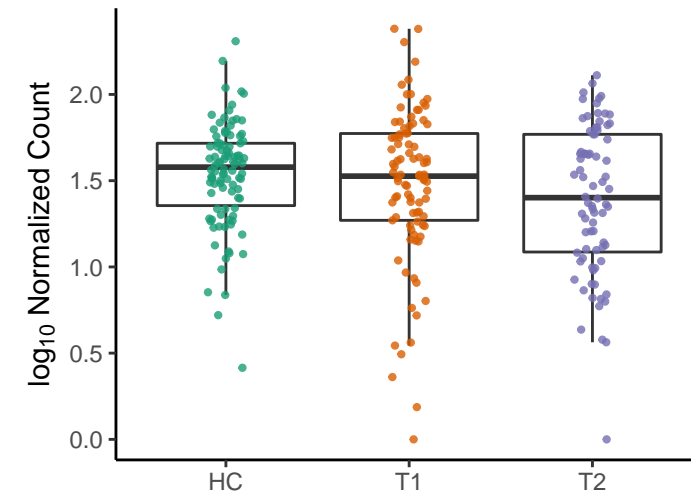
### Brucellaceae

non-ED vs. T1 adjusted  $p = 0.04$   
non-ED vs. T2 adjusted  $p = 0.073$   
T1 vs. T2 adjusted  $p = 0.73$



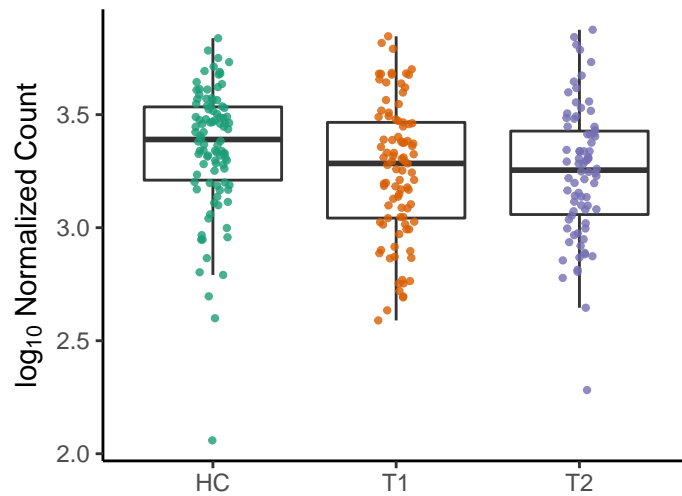
### Jonesiaceae

non-ED vs. T1 adjusted  $p = 0.41$   
non-ED vs. T2 adjusted  $p = 0.073$   
T1 vs. T2 adjusted  $p = 0.73$



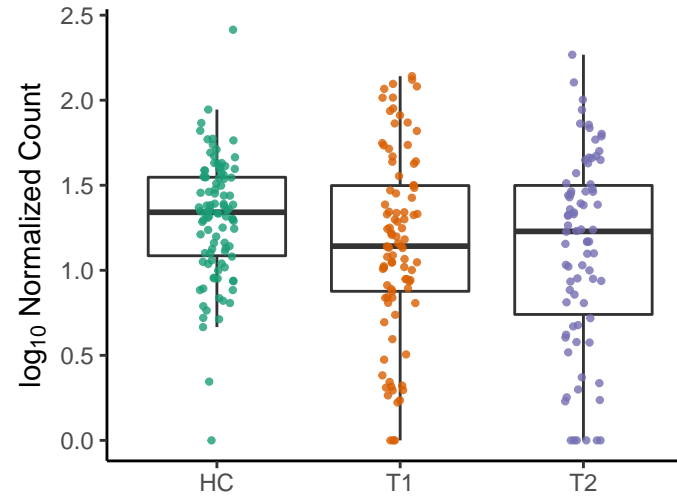
### Thermoanaerobacterales Family III. Inc

non-ED vs. T1 adjusted  $p = 0.068$   
non-ED vs. T2 adjusted  $p = 0.073$   
T1 vs. T2 adjusted  $p = 0.98$



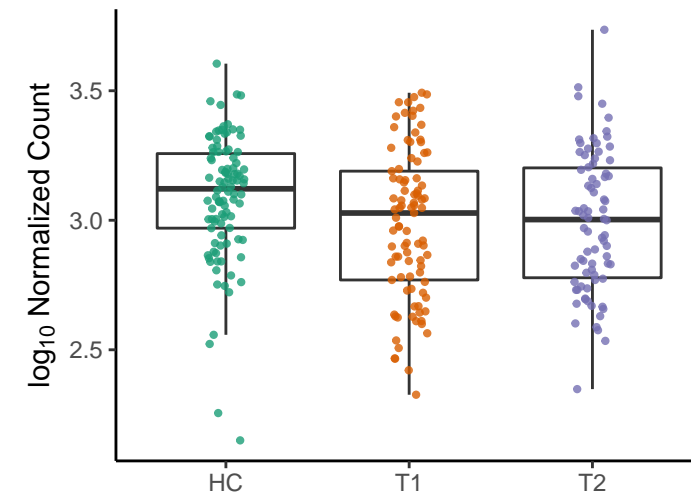
### Caldisphaeraceae

non-ED vs. T1 adjusted  $p = 0.076$   
non-ED vs. T2 adjusted  $p = 0.074$   
T1 vs. T2 adjusted  $p = 0.72$



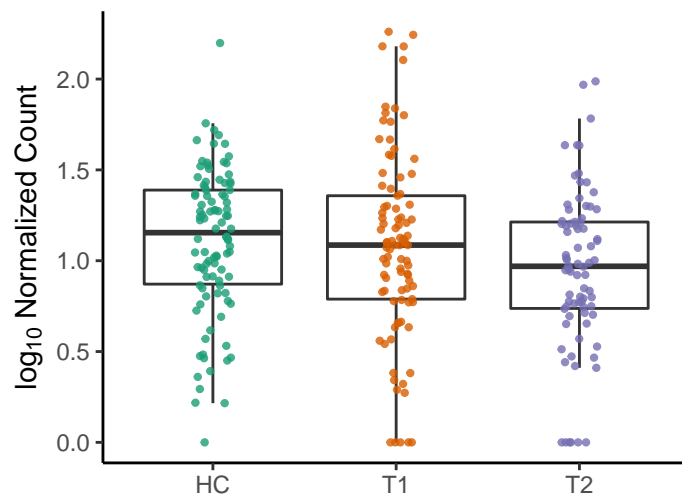
### Pseudoalteromonadaceae

non-ED vs. T1 adjusted  $p = 0.048$   
non-ED vs. T2 adjusted  $p = 0.074$   
T1 vs. T2 adjusted  $p = 0.93$



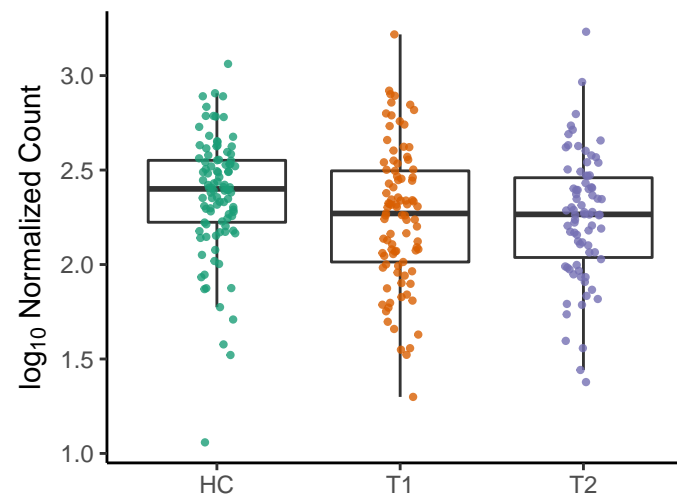
### Candidatus Paracaedibacteraceae

non-ED vs. T1 adjusted  $p = 0.77$   
non-ED vs. T2 adjusted  $p = 0.077$   
T1 vs. T2 adjusted  $p = 0.72$



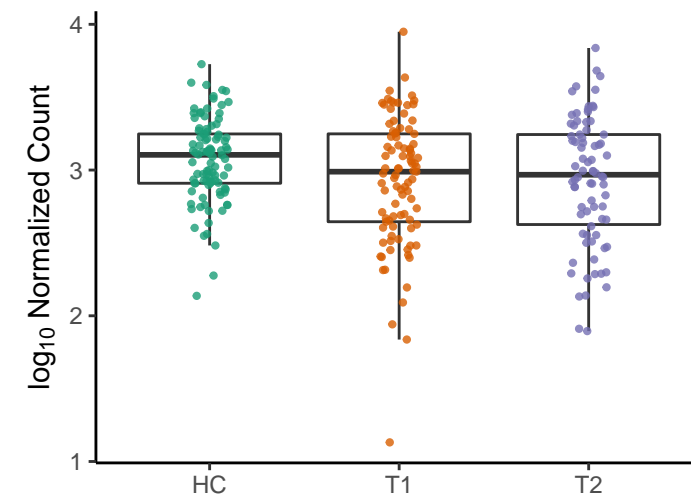
### Orbaceae

non-ED vs. T1 adjusted  $p = 0.07$   
non-ED vs. T2 adjusted  $p = 0.077$   
T1 vs. T2 adjusted  $p = 1$



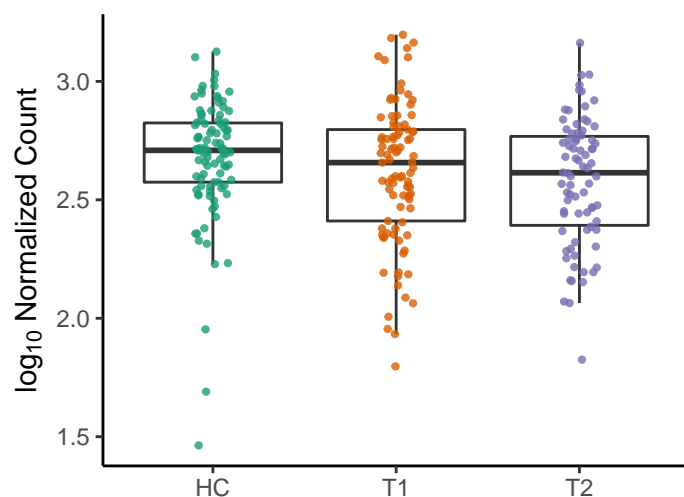
### Cellulomonadaceae

non-ED vs. T1 adjusted  $p = 0.045$   
non-ED vs. T2 adjusted  $p = 0.079$   
T1 vs. T2 adjusted  $p = 0.81$



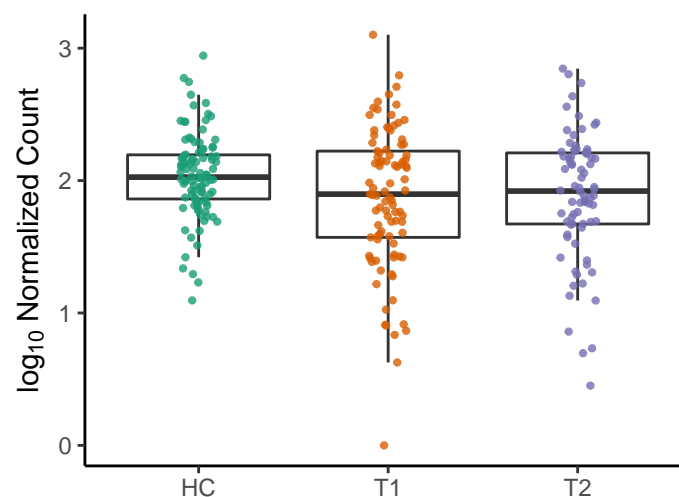
### Thermotogaceae

non-ED vs. T1 adjusted  $p = 0.21$   
non-ED vs. T2 adjusted  $p = 0.079$   
T1 vs. T2 adjusted  $p = 0.82$



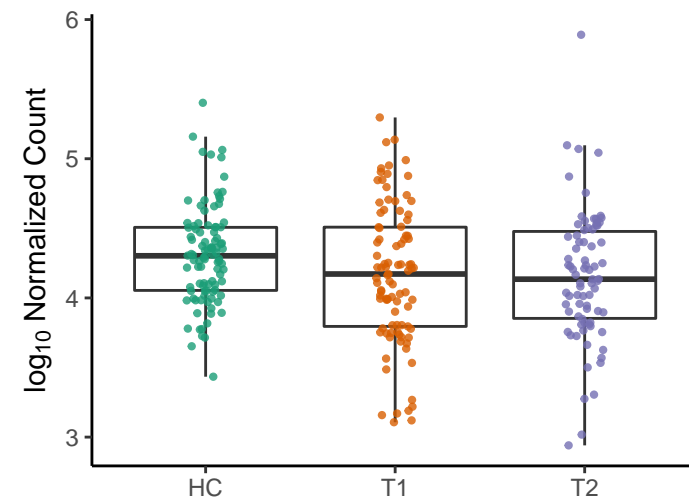
### Salinisphaeraceae

non-ED vs. T1 adjusted  $p = 0.048$   
non-ED vs. T2 adjusted  $p = 0.08$   
T1 vs. T2 adjusted  $p = 0.72$



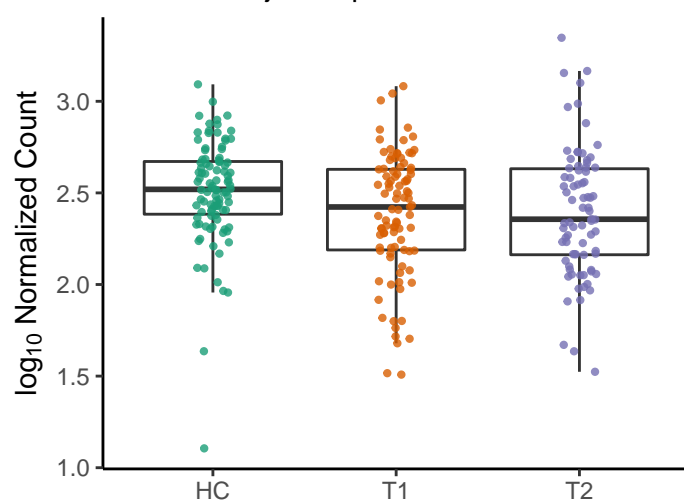
### Actinomycetaceae

non-ED vs. T1 adjusted  $p = 0.074$   
non-ED vs. T2 adjusted  $p = 0.082$   
T1 vs. T2 adjusted  $p = 0.87$



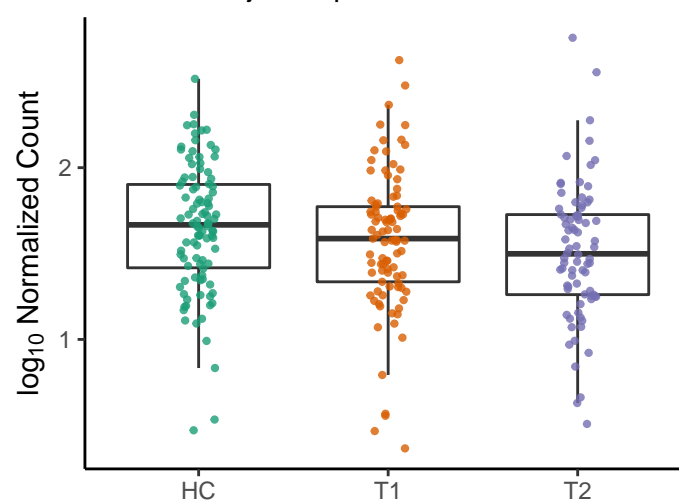
### Candidatus Nanopelagicaceae

non-ED vs. T1 adjusted  $p = 0.044$   
non-ED vs. T2 adjusted  $p = 0.082$   
T1 vs. T2 adjusted  $p = 0.87$



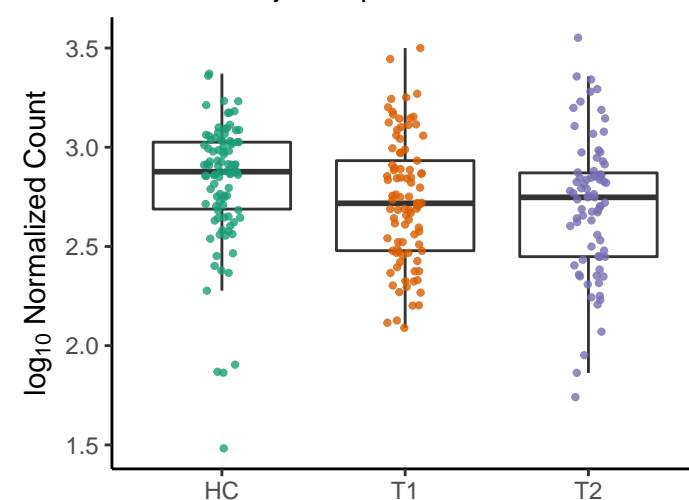
### Elusimicrobiaceae

non-ED vs. T1 adjusted  $p = 0.28$   
non-ED vs. T2 adjusted  $p = 0.082$   
T1 vs. T2 adjusted  $p = 0.77$



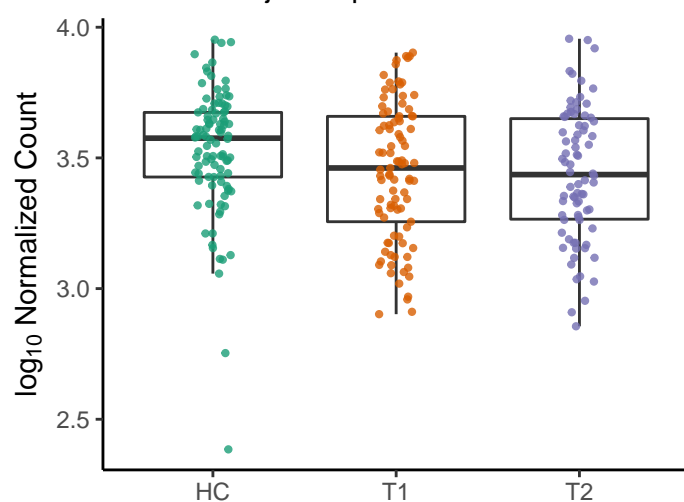
### Halanaerobiaceae

non-ED vs. T1 adjusted  $p = 0.093$   
non-ED vs. T2 adjusted  $p = 0.082$   
T1 vs. T2 adjusted  $p = 0.92$



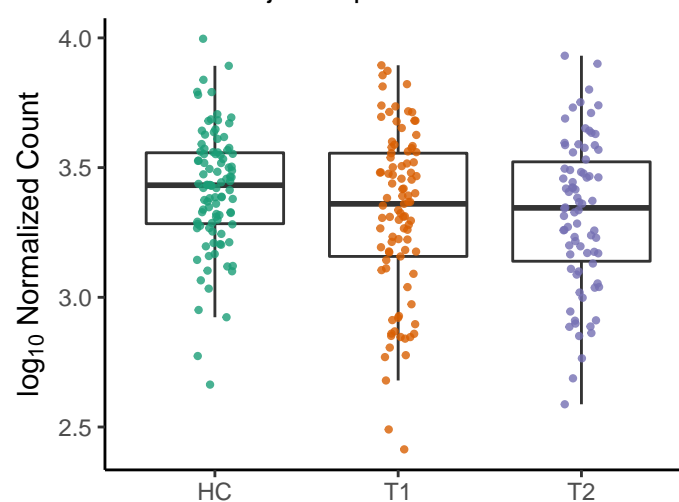
### Moraxellaceae

non-ED vs. T1 adjusted  $p = 0.074$   
non-ED vs. T2 adjusted  $p = 0.082$   
T1 vs. T2 adjusted  $p = 0.97$



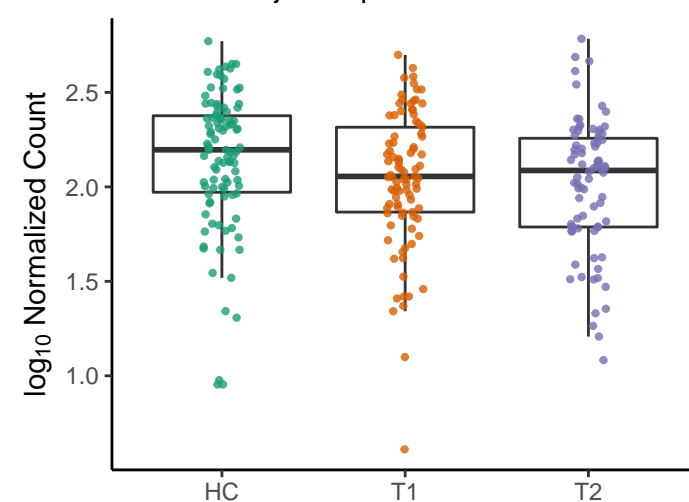
### Neisseriaceae

non-ED vs. T1 adjusted  $p = 0.068$   
non-ED vs. T2 adjusted  $p = 0.082$   
T1 vs. T2 adjusted  $p = 0.76$



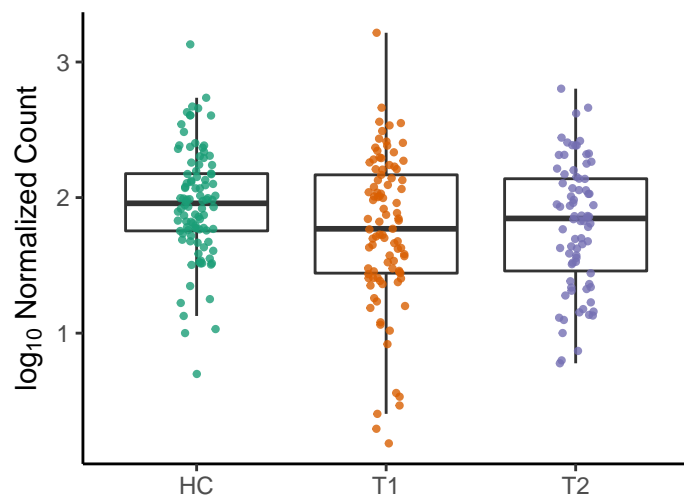
### Parachlamydiaceae

non-ED vs. T1 adjusted  $p = 0.14$   
non-ED vs. T2 adjusted  $p = 0.082$   
T1 vs. T2 adjusted  $p = 0.8$



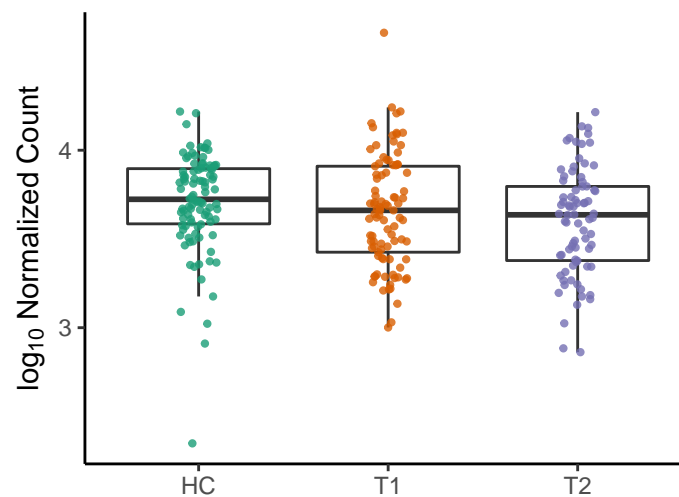
### Segniliparaceae

non-ED vs. T1 adjusted  $p = 0.044$   
non-ED vs. T2 adjusted  $p = 0.082$   
T1 vs. T2 adjusted  $p = 0.72$



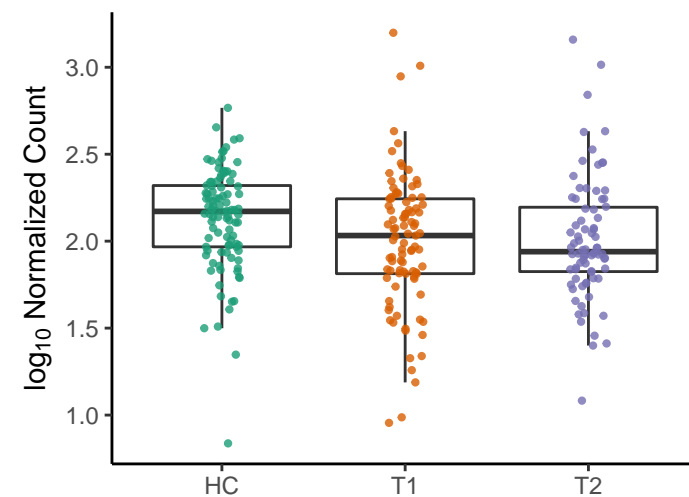
### Staphylococcaceae

non-ED vs. T1 adjusted  $p = 0.32$   
non-ED vs. T2 adjusted  $p = 0.082$   
T1 vs. T2 adjusted  $p = 0.72$



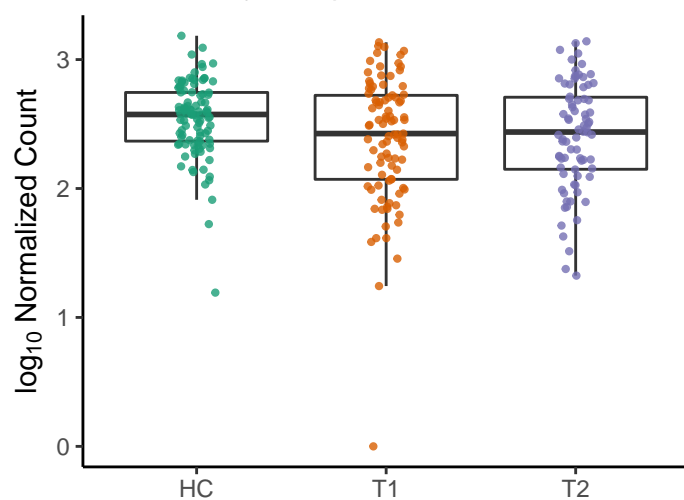
### Thiotrichaceae

non-ED vs. T1 adjusted  $p = 0.055$   
non-ED vs. T2 adjusted  $p = 0.082$   
T1 vs. T2 adjusted  $p = 0.82$



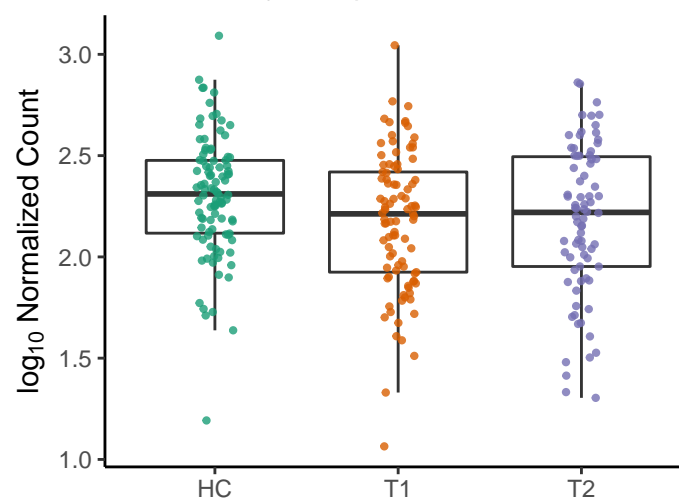
### Unclassified Sphingomonadales Order

non-ED vs. T1 adjusted  $p = 0.047$   
non-ED vs. T2 adjusted  $p = 0.082$   
T1 vs. T2 adjusted  $p = 0.72$



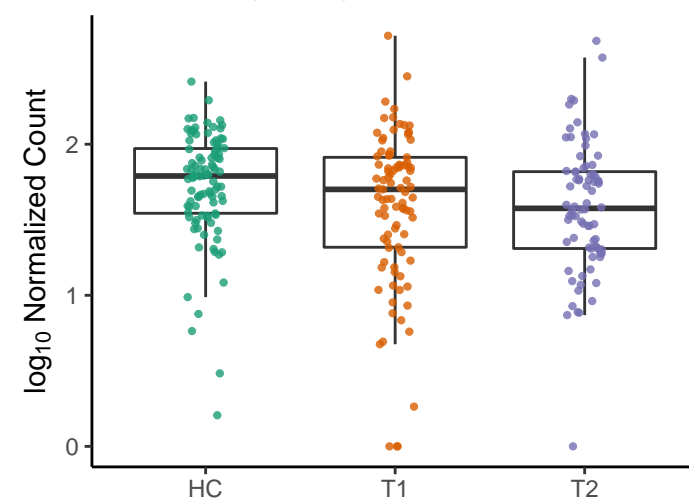
### Ustilaginaceae

non-ED vs. T1 adjusted  $p = 0.045$   
non-ED vs. T2 adjusted  $p = 0.082$   
T1 vs. T2 adjusted  $p = 0.72$



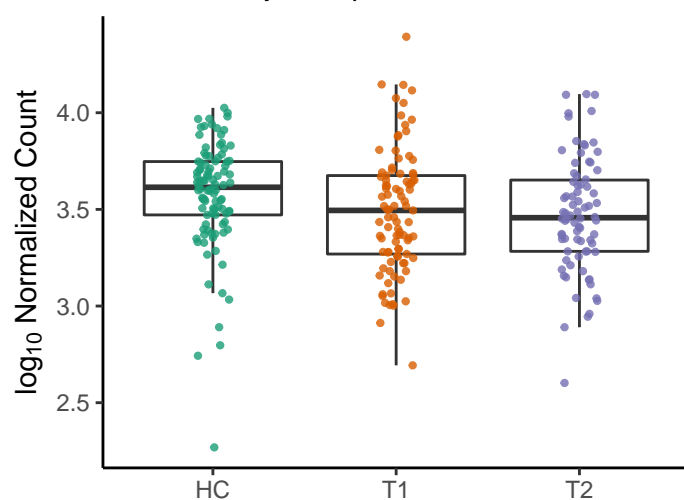
### Woeseiaceae

non-ED vs. T1 adjusted  $p = 0.079$   
non-ED vs. T2 adjusted  $p = 0.082$   
T1 vs. T2 adjusted  $p = 0.91$



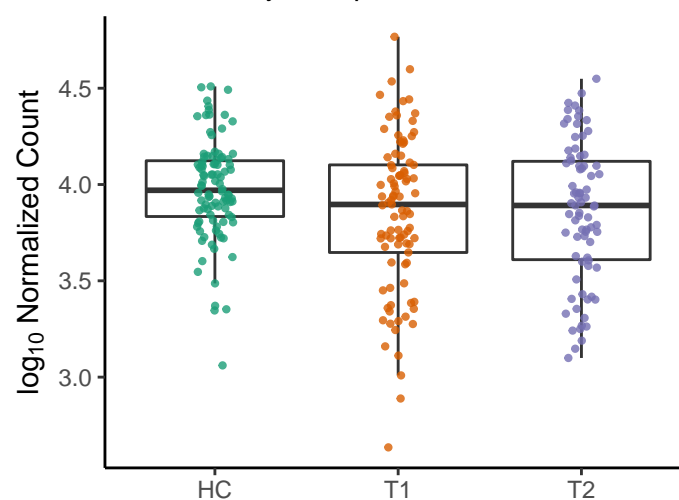
### Peptoniphilaceae

non-ED vs. T1 adjusted  $p = 0.11$   
non-ED vs. T2 adjusted  $p = 0.085$   
T1 vs. T2 adjusted  $p = 0.93$



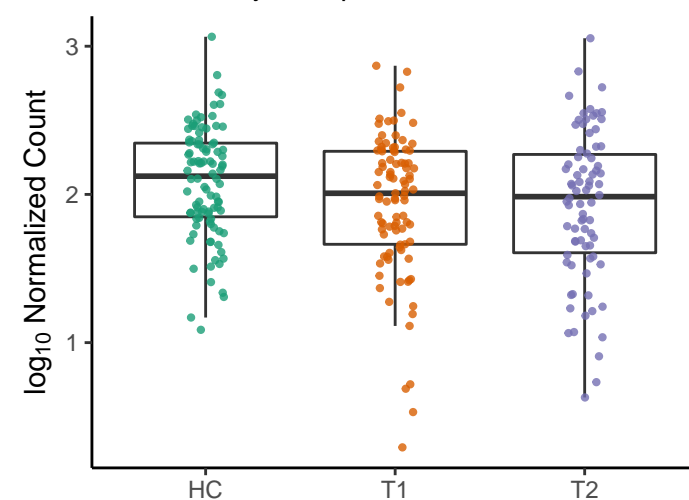
### Comamonadaceae

non-ED vs. T1 adjusted  $p = 0.054$   
non-ED vs. T2 adjusted  $p = 0.085$   
T1 vs. T2 adjusted  $p = 0.72$



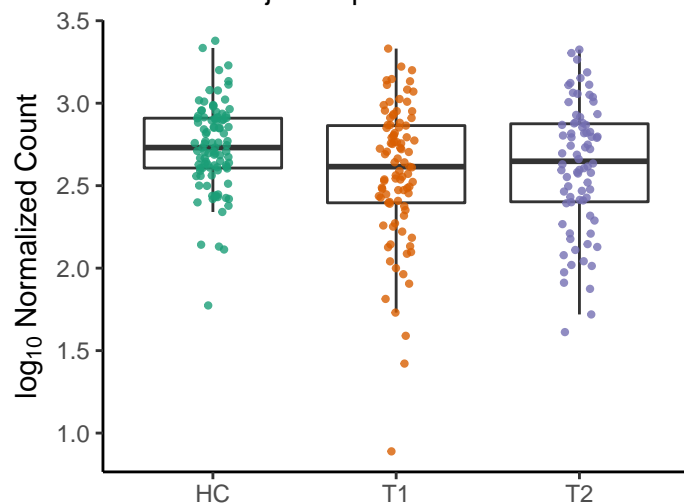
### Actinopolysporaceae

non-ED vs. T1 adjusted  $p = 0.064$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 0.99$



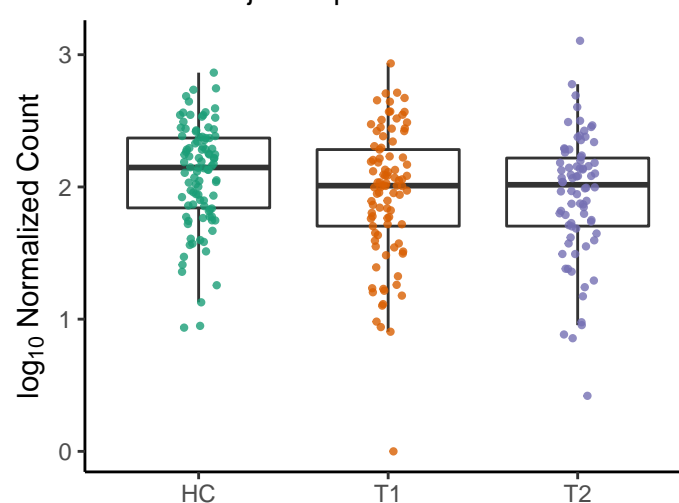
### Aurantimonadaceae

non-ED vs. T1 adjusted  $p = 0.027$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 0.72$



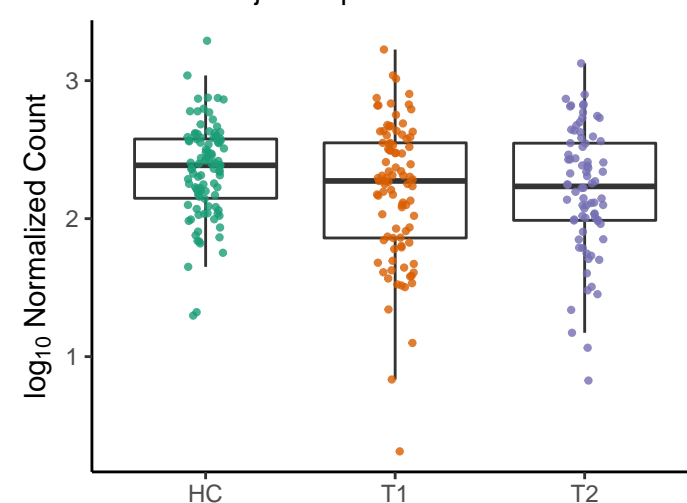
### Bradymonadaceae

non-ED vs. T1 adjusted  $p = 0.084$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 0.92$



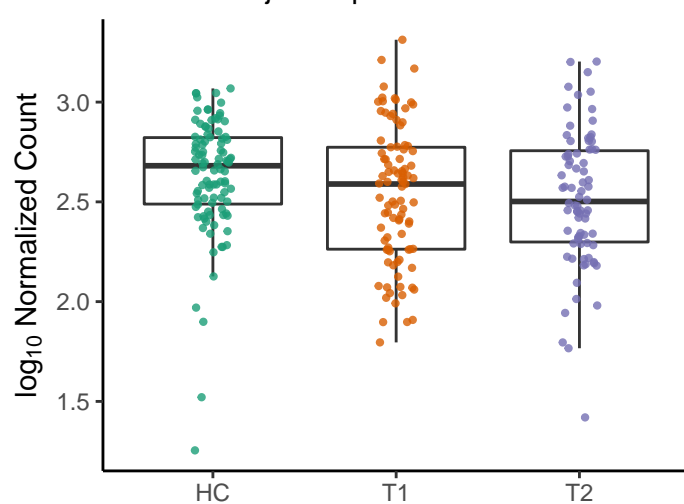
### Chelatococcaceae

non-ED vs. T1 adjusted  $p = 0.066$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 0.72$



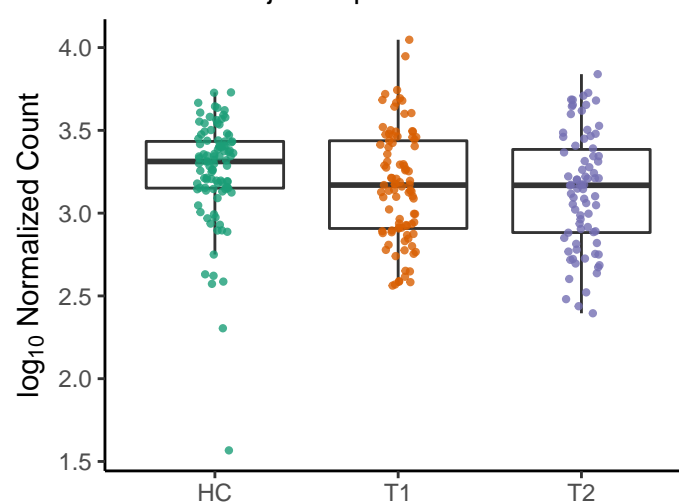
### Fervidobacteriaceae

non-ED vs. T1 adjusted  $p = 0.11$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 0.84$



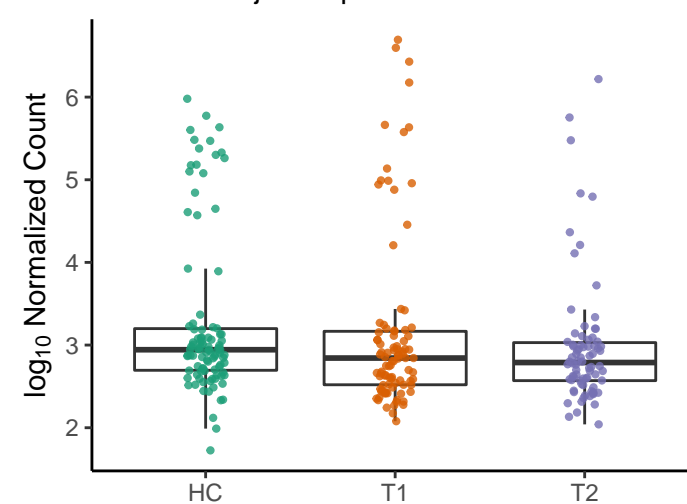
### Leptotrichiaceae

non-ED vs. T1 adjusted  $p = 0.14$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 0.85$



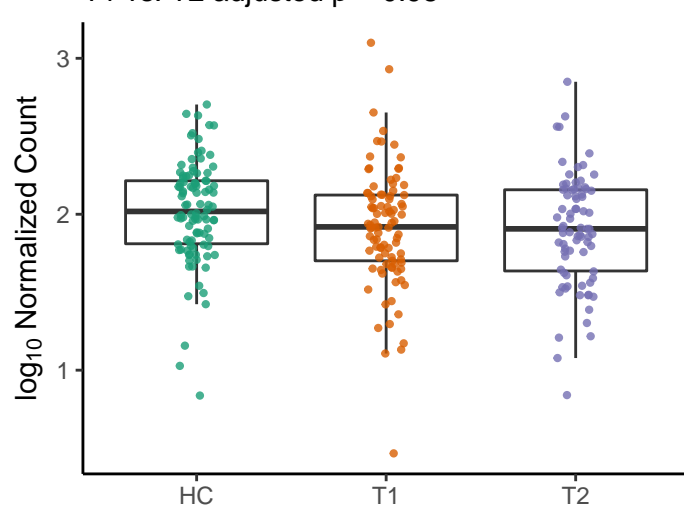
### Methanobacteriaceae

non-ED vs. T1 adjusted  $p = 0.51$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 0.72$



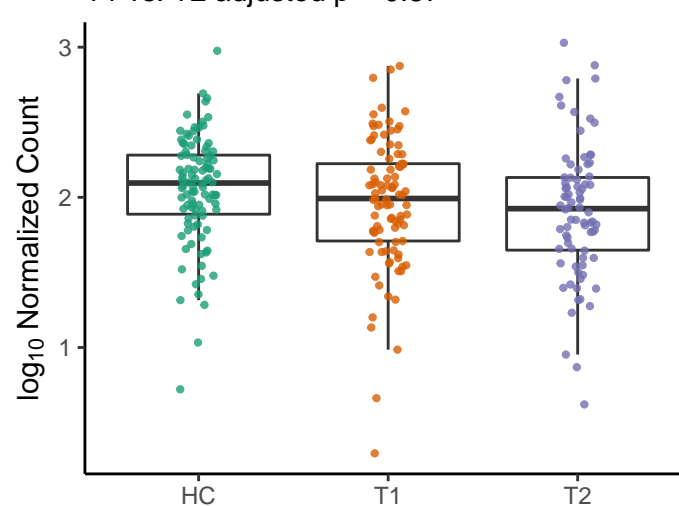
### Methanocorpusculaceae

non-ED vs. T1 adjusted  $p = 0.097$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 0.98$



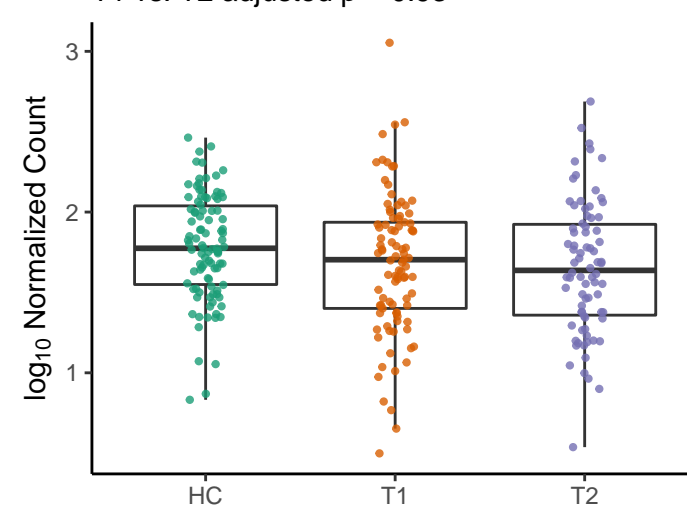
### Unclassified Blastocatellia Class

non-ED vs. T1 adjusted  $p = 0.21$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 0.87$



### Unclassified Euryarchaeota Phylum

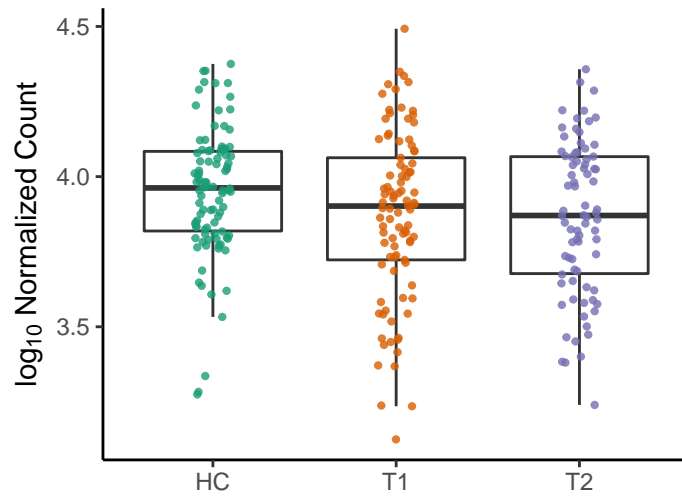
non-ED vs. T1 adjusted  $p = 0.13$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 0.93$





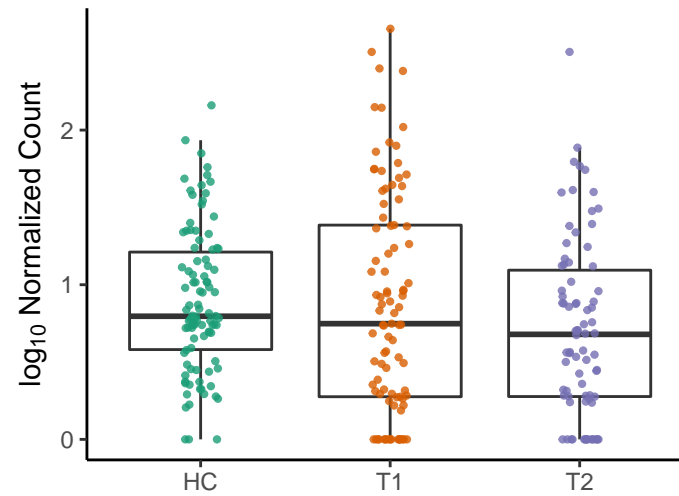
### Unclassified Gammaproteobacteria Cla

non-ED vs. T1 adjusted  $p = 0.093$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 0.73$



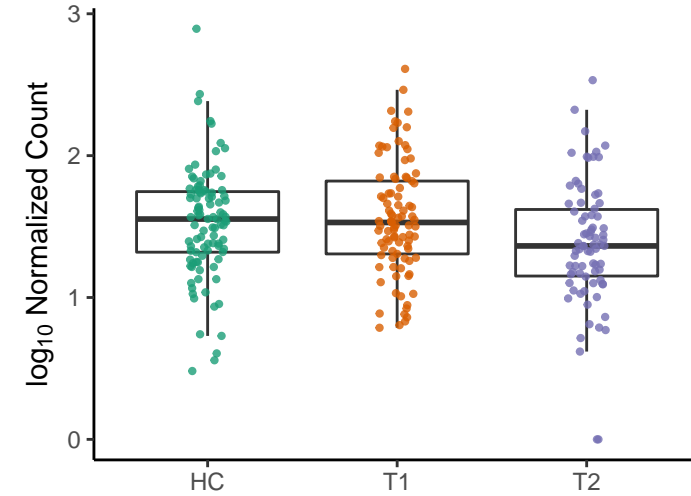
### Unclassified Sordariomycetes Class

non-ED vs. T1 adjusted  $p = 0.87$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 0.72$



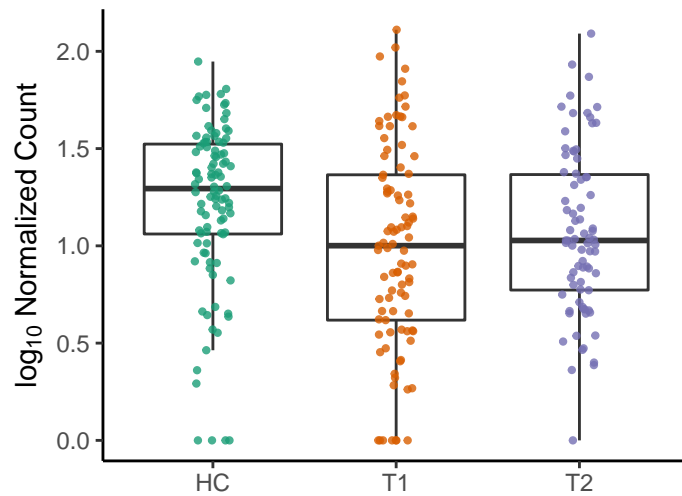
### Unikaryonidae

non-ED vs. T1 adjusted  $p = 0.64$   
non-ED vs. T2 adjusted  $p = 0.086$   
T1 vs. T2 adjusted  $p = 0.51$



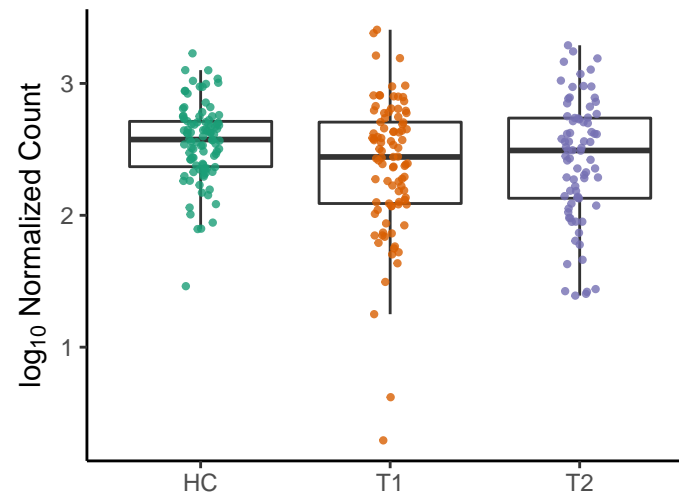
### Unclassified Methanococcales Order

non-ED vs. T1 adjusted  $p = 0.019$   
non-ED vs. T2 adjusted  $p = 0.087$   
T1 vs. T2 adjusted  $p = 0.73$



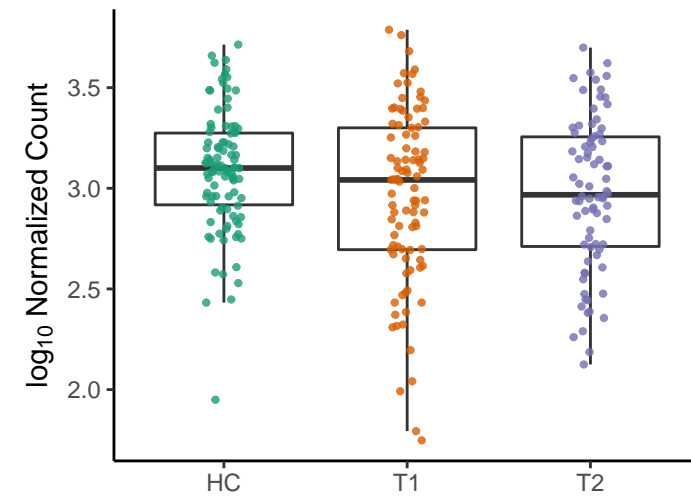
### Bogoriellaceae

non-ED vs. T1 adjusted  $p = 0.034$   
non-ED vs. T2 adjusted  $p = 0.087$   
T1 vs. T2 adjusted  $p = 0.72$



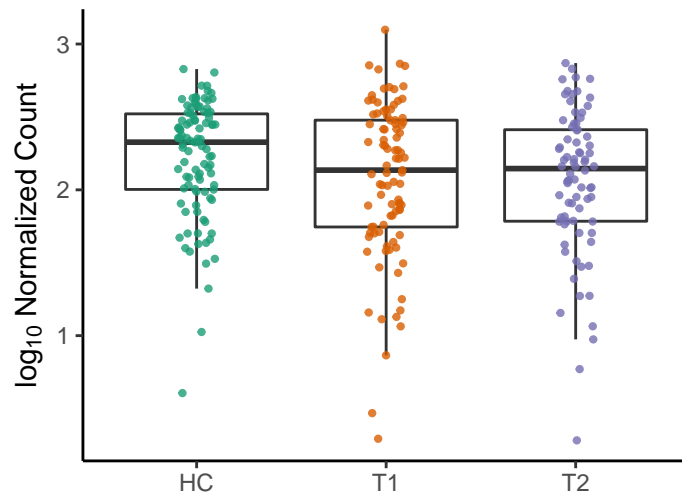
### Opitutaceae

non-ED vs. T1 adjusted  $p = 0.066$   
non-ED vs. T2 adjusted  $p = 0.09$   
T1 vs. T2 adjusted  $p = 0.82$



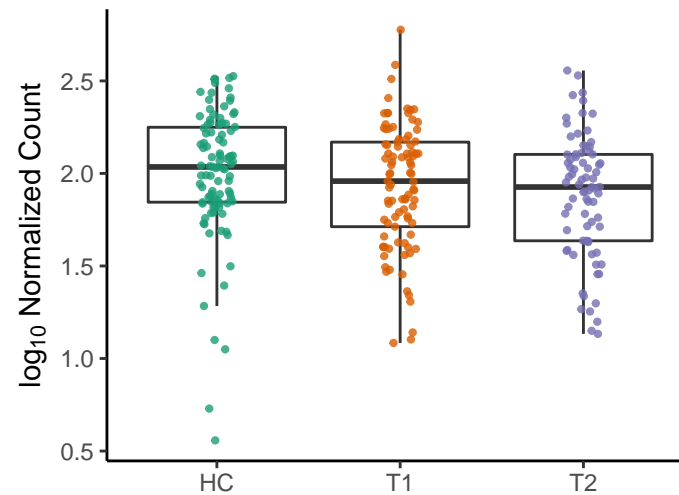
### Phycisphaeraceae

non-ED vs. T1 adjusted  $p = 0.095$   
non-ED vs. T2 adjusted  $p = 0.09$   
T1 vs. T2 adjusted  $p = 0.97$



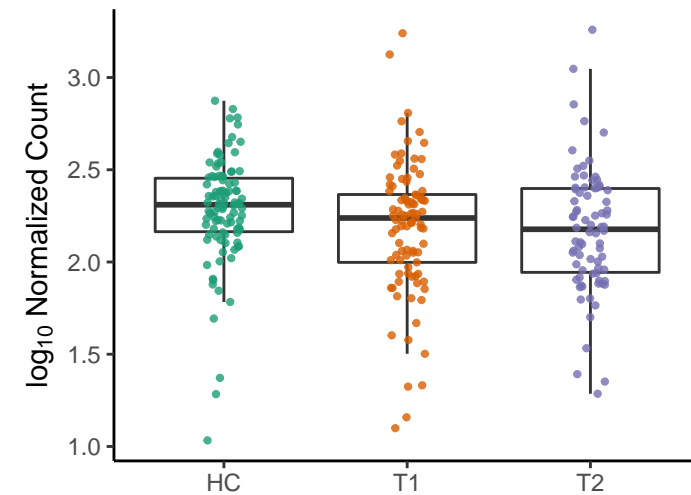
### Pichiaceae

non-ED vs. T1 adjusted  $p = 0.26$   
non-ED vs. T2 adjusted  $p = 0.09$   
T1 vs. T2 adjusted  $p = 0.72$



### Unclassified Epsilonproteobacteria Class

non-ED vs. T1 adjusted  $p = 0.11$   
non-ED vs. T2 adjusted  $p = 0.09$   
T1 vs. T2 adjusted  $p = 0.93$

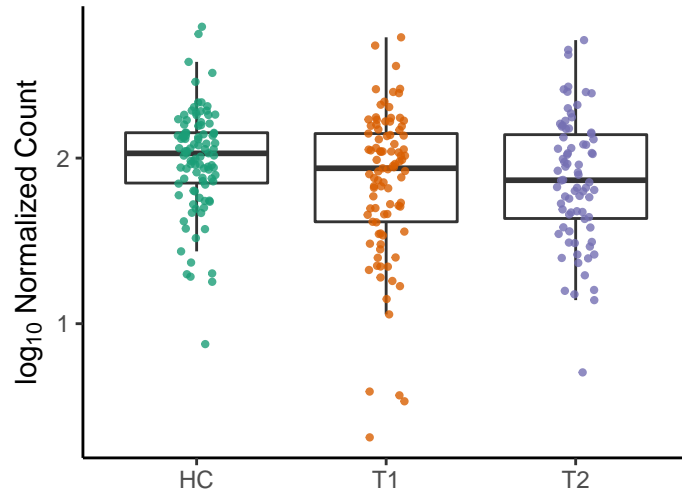


### Desulfohalobiaceae

non-ED vs. T1 adjusted  $p = 0.056$

non-ED vs. T2 adjusted  $p = 0.09$

T1 vs. T2 adjusted  $p = 0.82$

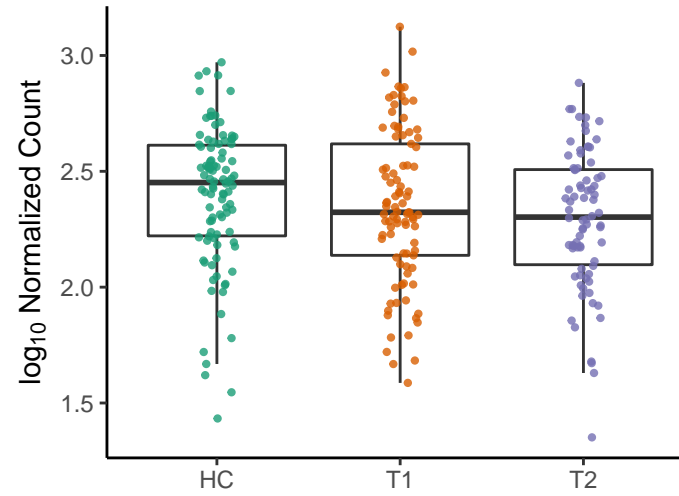


### Unclassified Cyanobacteria Phylum

non-ED vs. T1 adjusted  $p = 0.41$

non-ED vs. T2 adjusted  $p = 0.094$

T1 vs. T2 adjusted  $p = 0.72$

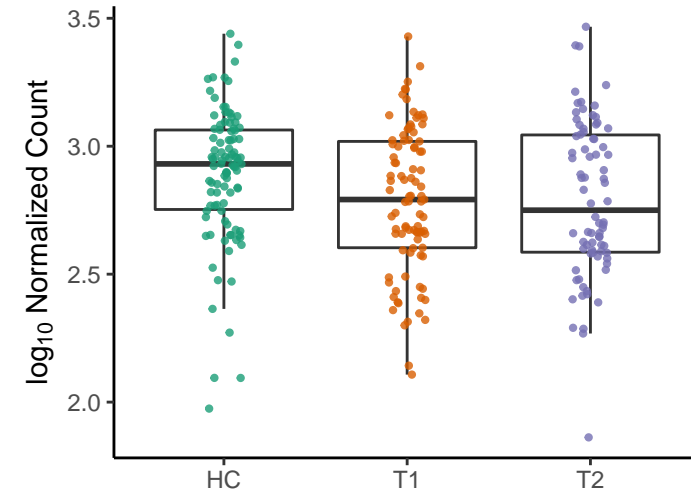


### Calotrichaceae

non-ED vs. T1 adjusted  $p = 0.054$

non-ED vs. T2 adjusted  $p = 0.096$

T1 vs. T2 adjusted  $p = 0.91$

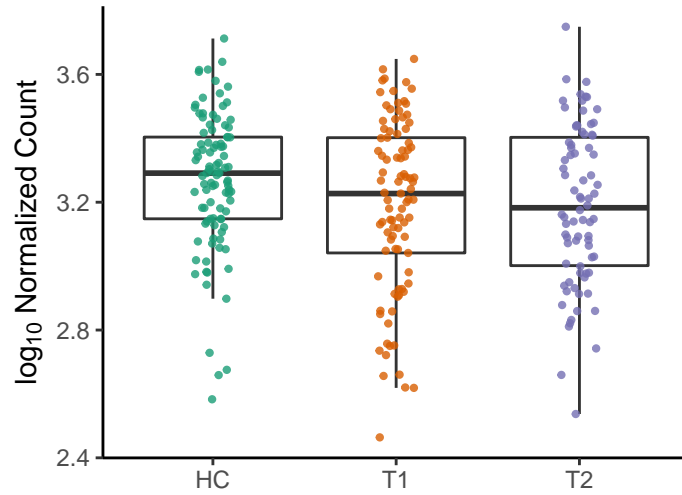


### Shewanellaceae

non-ED vs. T1 adjusted  $p = 0.076$

non-ED vs. T2 adjusted  $p = 0.096$

T1 vs. T2 adjusted  $p = 0.87$



### Rickettsiaceae

non-ED vs. T1 adjusted  $p = 0.13$

non-ED vs. T2 adjusted  $p = 0.098$

T1 vs. T2 adjusted  $p = 0.82$

