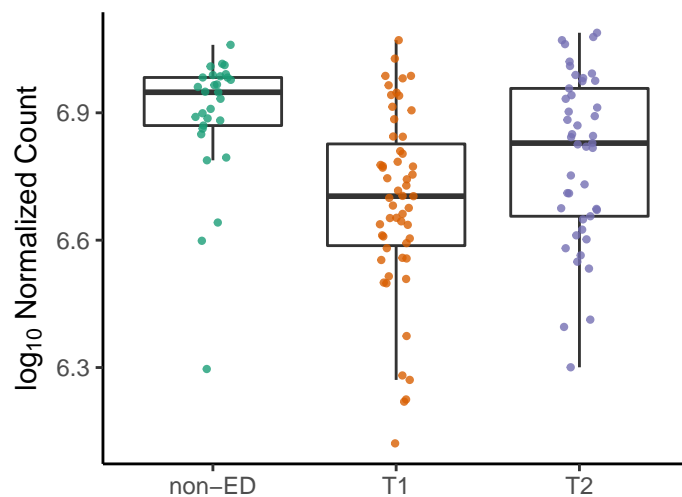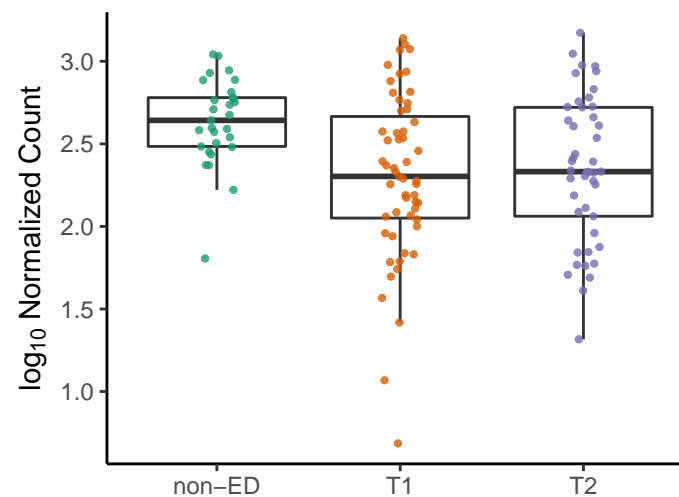## Clostridia
non-ED vs. T1 adjusted p = 0.00048
non-ED vs. T2 adjusted p = 0.042
T1 vs. T2 adjusted p = 0.15

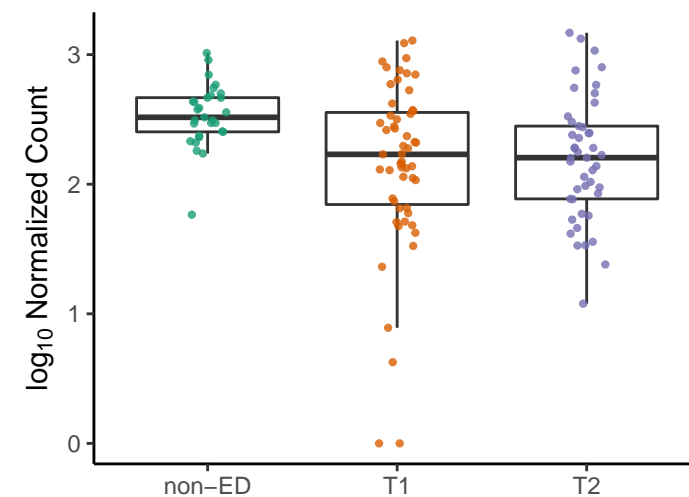## Acidimicrobiia
non-ED vs. T1 adjusted p = 0.0037
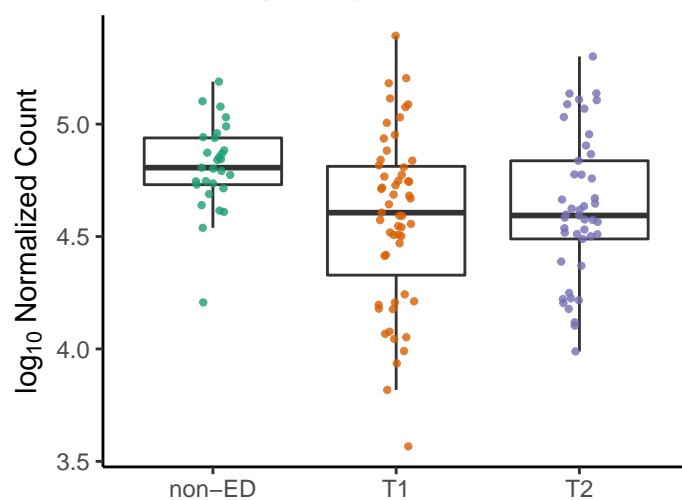non-ED vs. T2 adjusted p = 0.011
T1 vs. T2 adjusted p = 0.76

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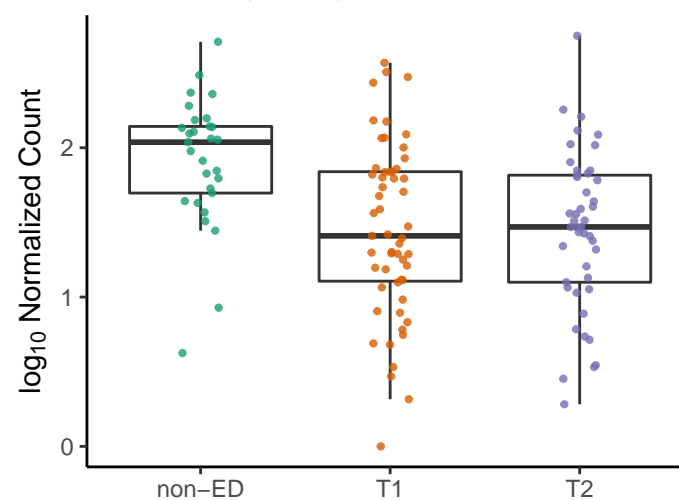non-ED vs. T2 adjusted p = 0.0039
T1 vs. T2 adjusted p = 0.76

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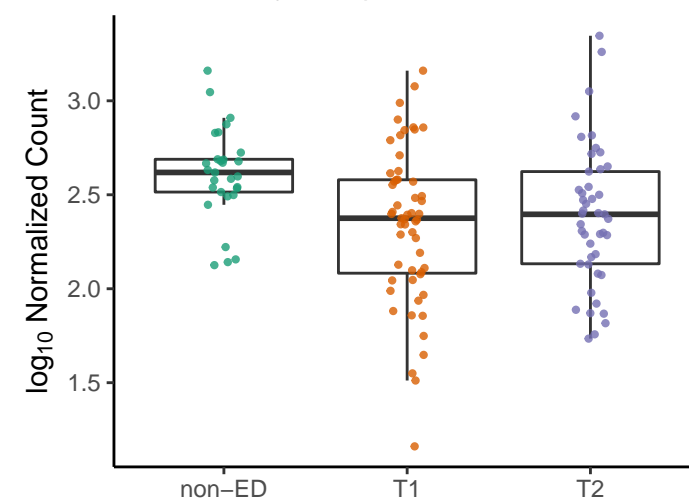non-ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.76

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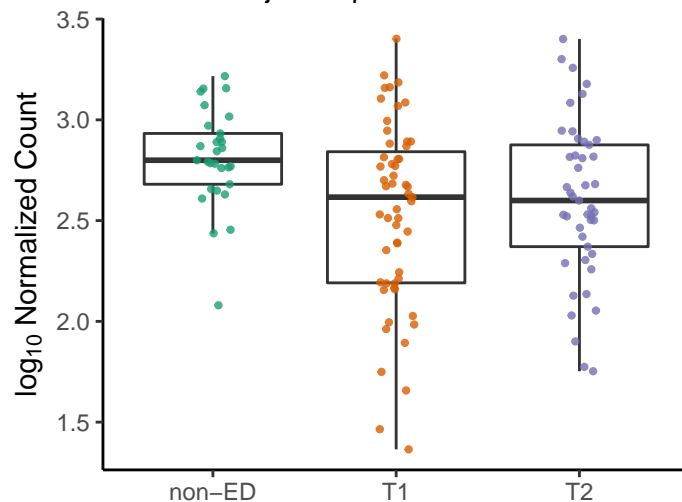non-ED vs. T2 adjusted p = 0.0039
T1 vs. T2 adjusted p = 0.92

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

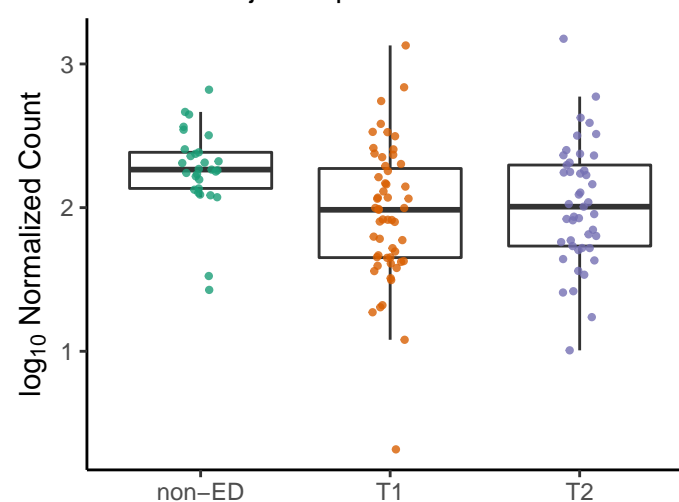## Gemmatimonadetes
non-ED vs. T1 adjusted p = 0.0037
non-ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.76
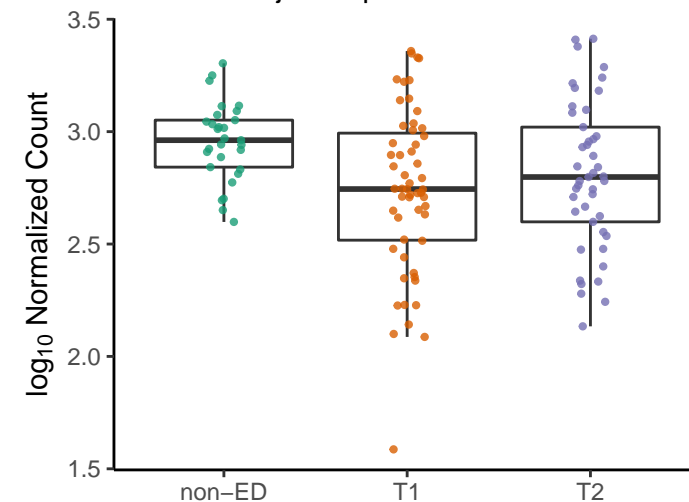
Ktedonobacteria
non-ED vs. T1 adjusted p = 0.0037
non-ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.76

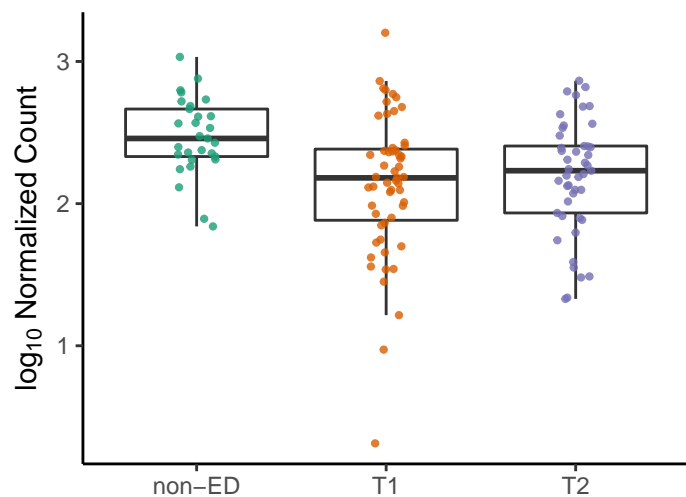## Phycisphaerae
non-ED vs. T1 adjusted p = 0.0037
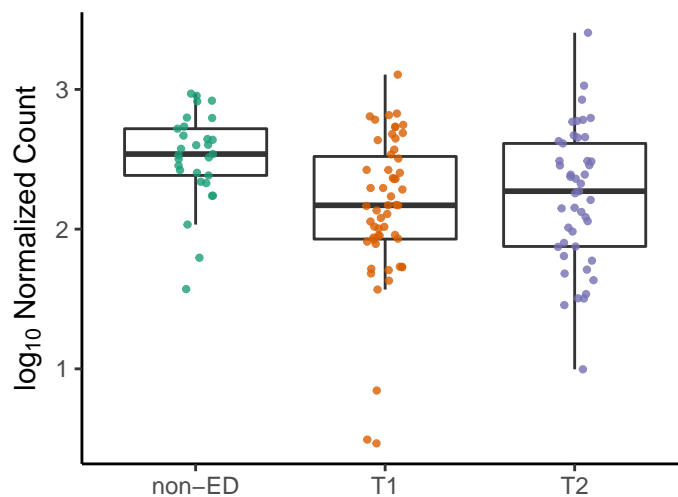non-ED vs. T2 adjusted p = 0.03
T1 vs. T2 adjusted p = 0.76

Tepidiformia

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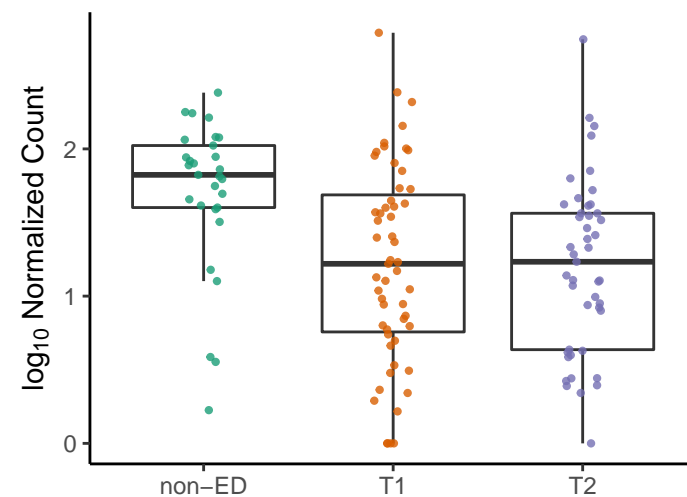non−ED vs. T2 adjusted p = 0.009
T1 vs. T2 adjusted p = 0.76

Thermoleophilia

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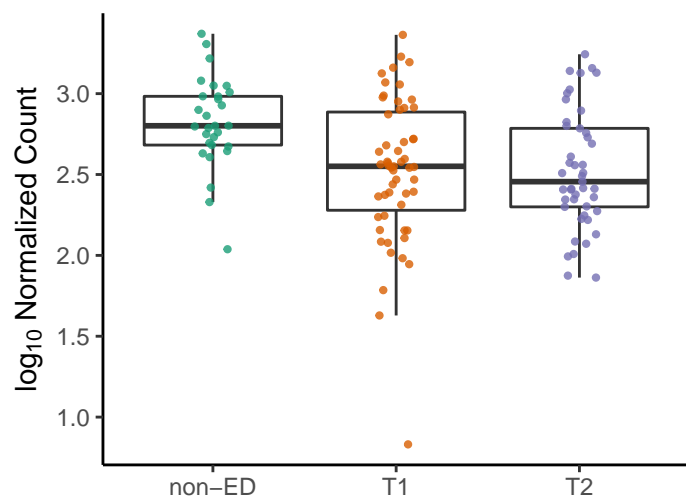non−ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.76

Unclassified Acidobacteria Phylum

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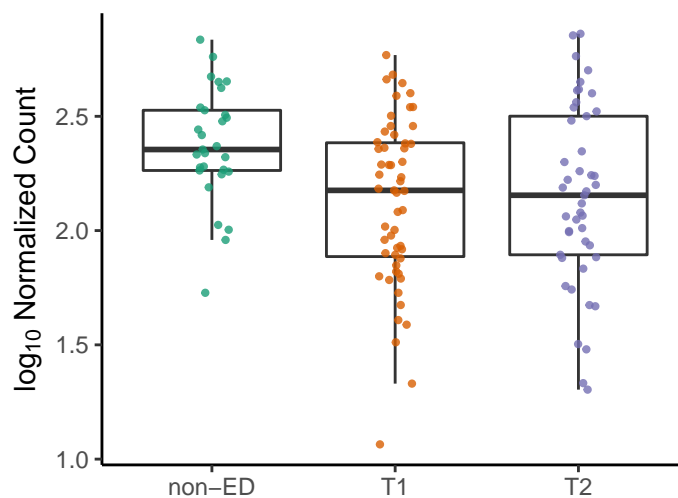non−ED vs. T2 adjusted p = 0.0053
T1 vs. T2 adjusted p = 0.99

Unclassified Candidatus Saccharibacte

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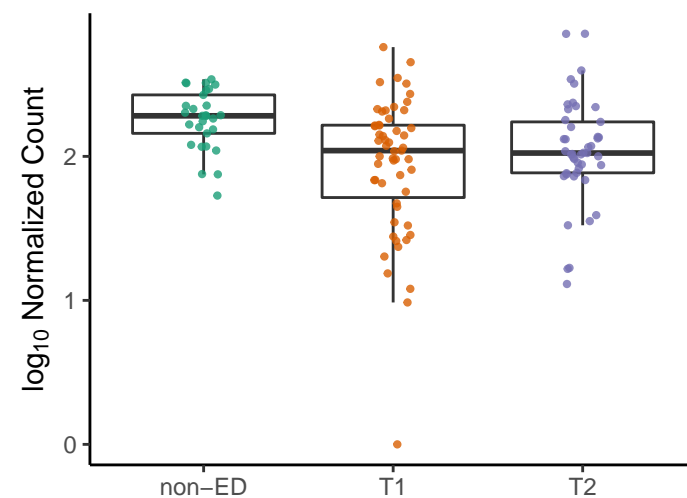non−ED vs. T2 adjusted p = 0.0039
T1 vs. T2 adjusted p = 0.93

Ustilaginomycetes

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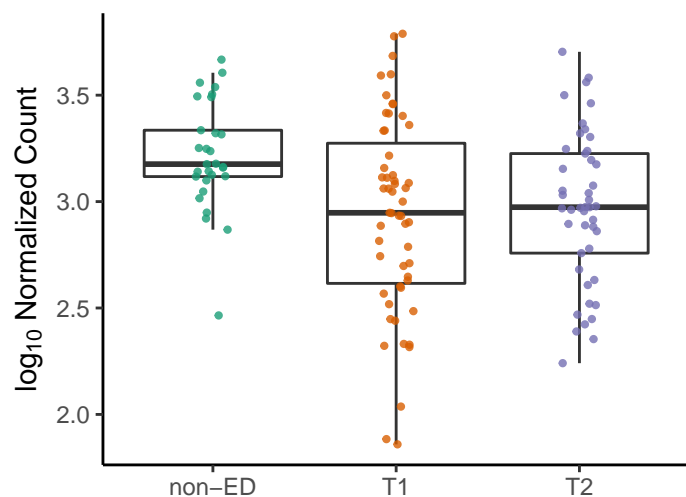non−ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.76

Zetaproteobacteria

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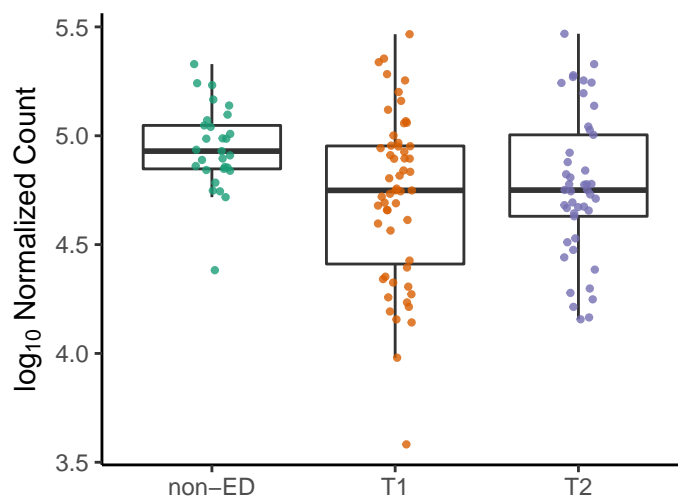non−ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.76

Opitutae

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

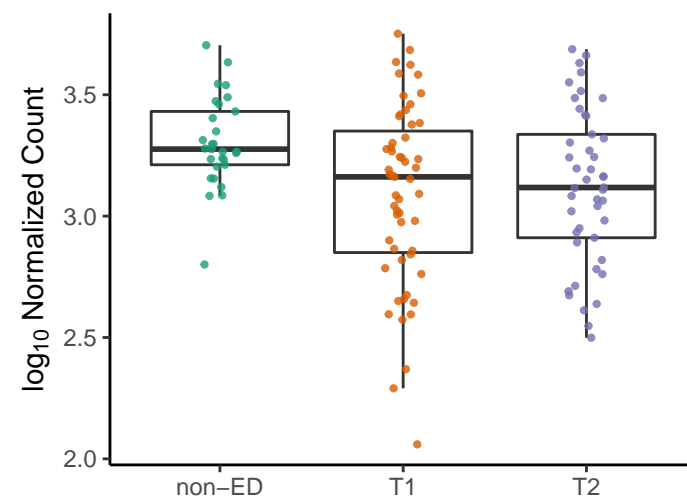**Alphaproteobacteria**

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

Acidobacteriia

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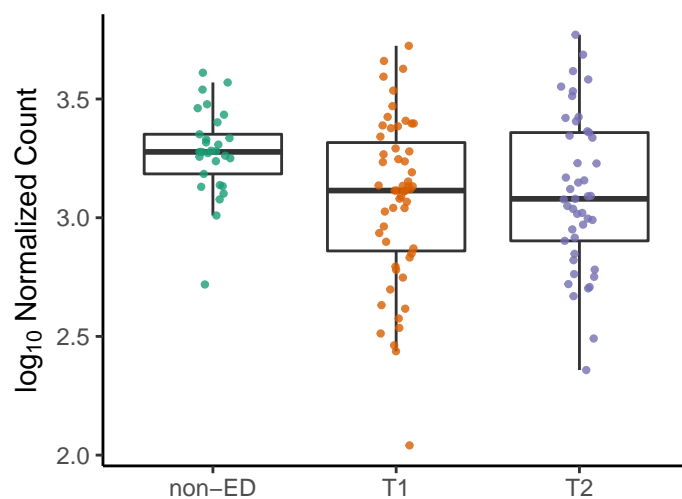non−ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.76

Chlorobia

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

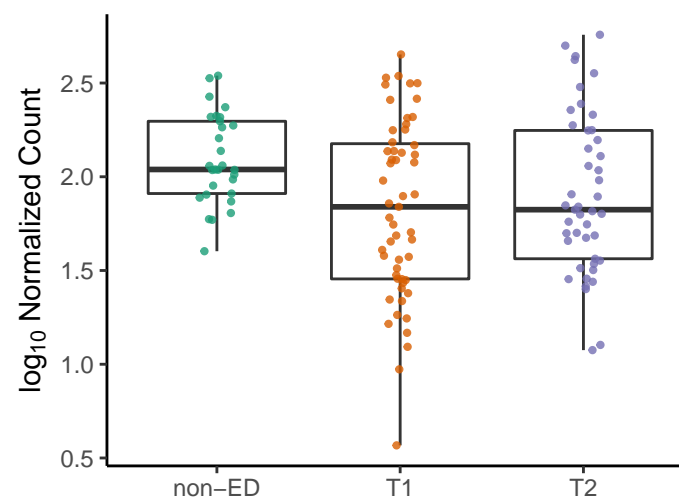## Methylacidiphilae

non−ED vs. T1 adjusted p = 0.0049
non−ED vs. T2 adjusted p = 0.038
T1 vs. T2 adjusted p = 0.76
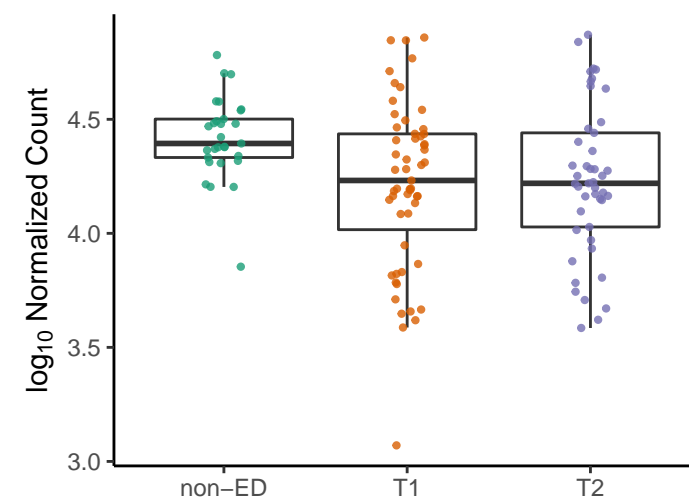
Unclassified Proteobacteria Phylum

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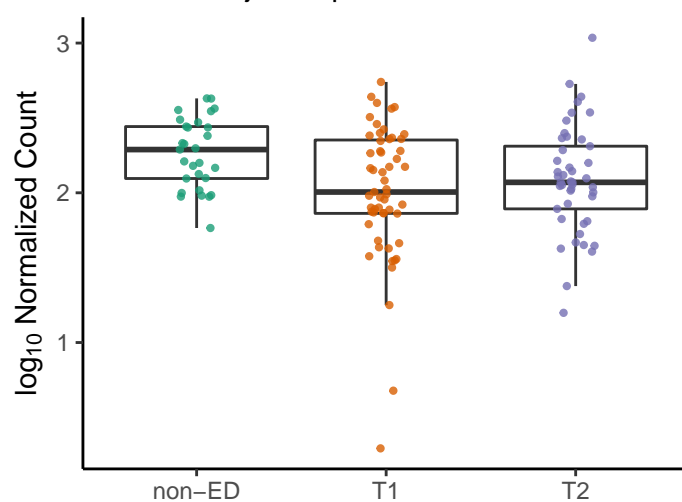non−ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.76

Unclassified Armatimonadetes Phylum

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

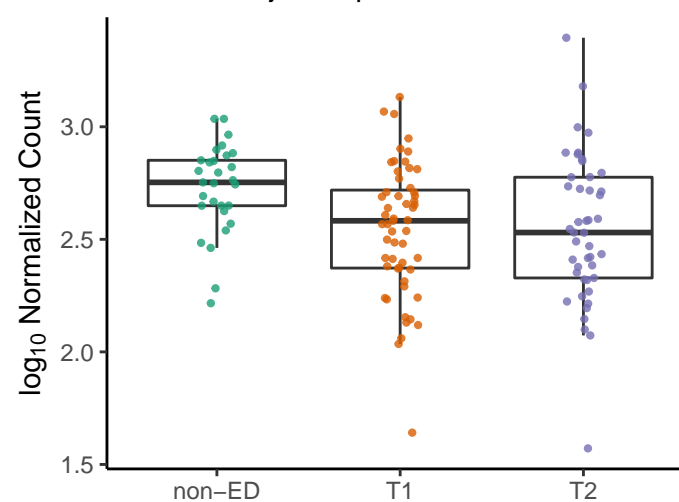## Eurotiomycetes

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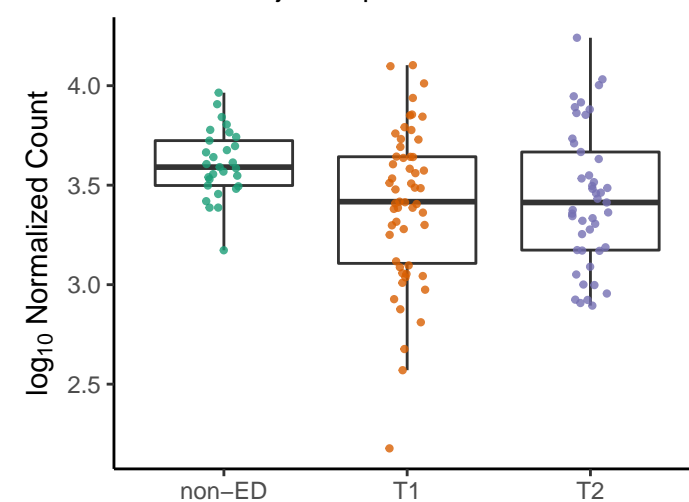non−ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.96

Planctomycetia

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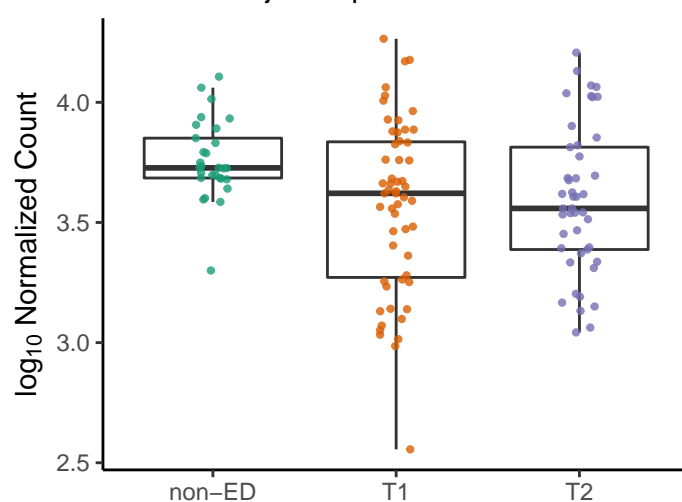non−ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.76

Unclassified Planctomycetes Phylum

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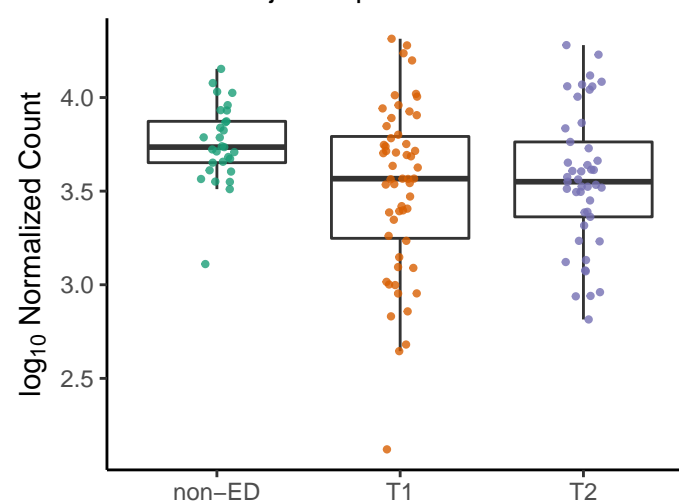non−ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.76

Deinococci

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

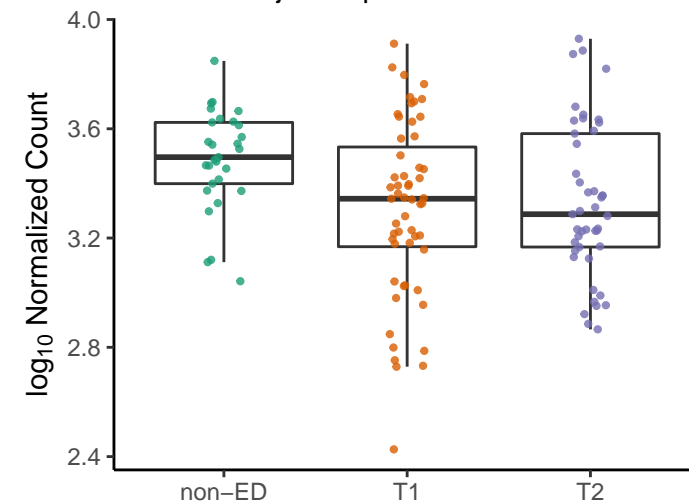## Sordariomycetes

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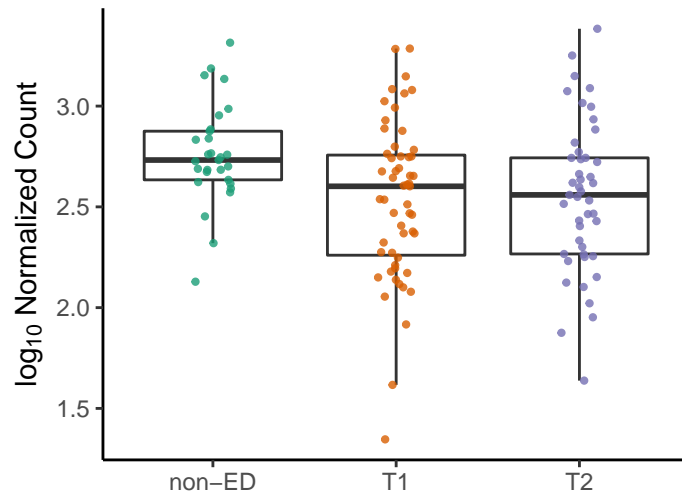non−ED vs. T2 adjusted p = 0.019
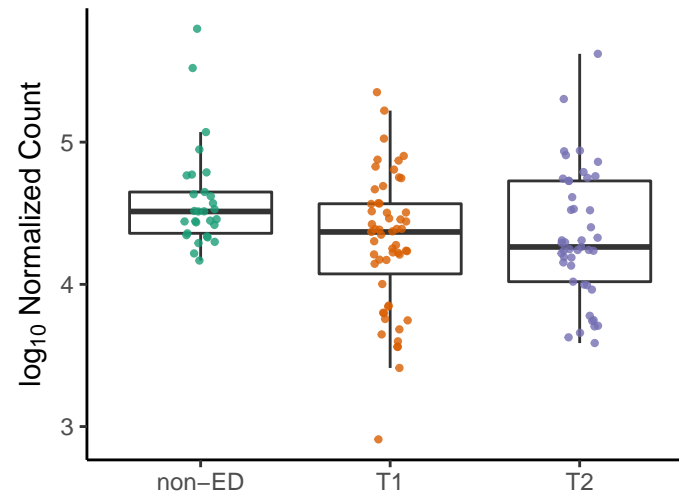T1 vs. T2 adjusted p = 0.76

$\log_{10}$ Normalized Count

Chloroflexia

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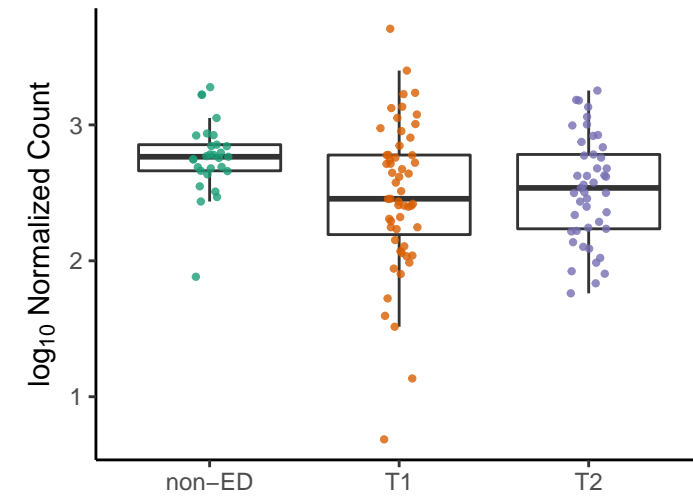
Deltaproteobacteria

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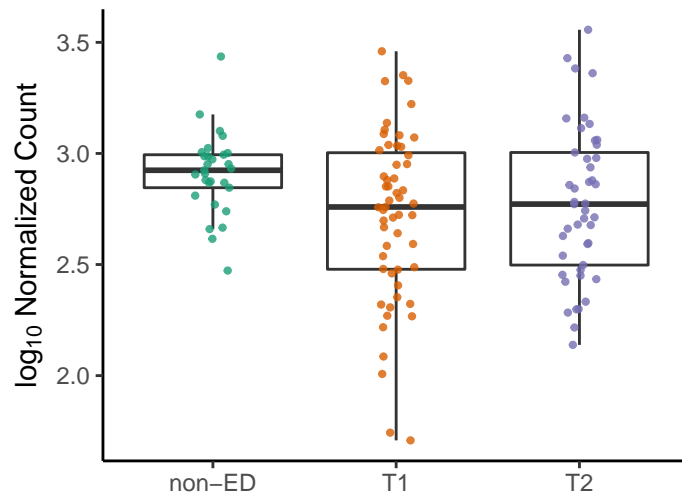non-ED vs. T2 adjusted p = 0.025
T1 vs. T2 adjusted p = 0.82

Nitriliruptoria

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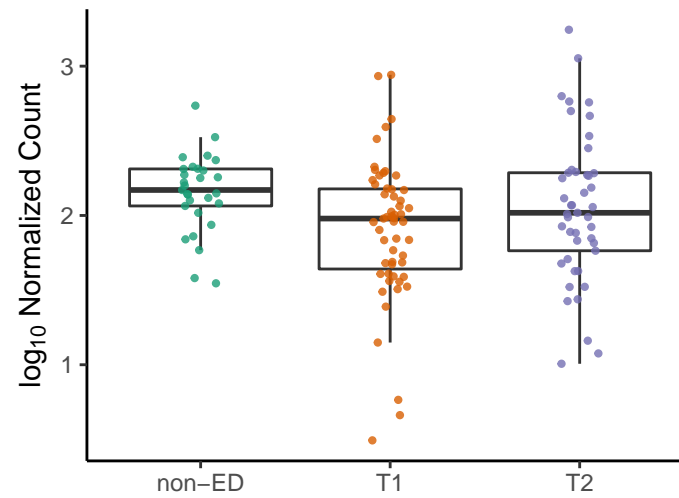
Anaerolineae

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

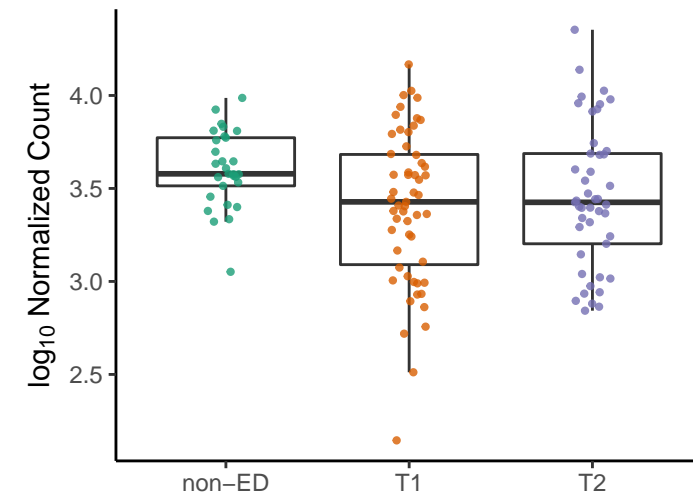## Fimbriimonadia

non-ED vs. T1 adjusted p = 0.0097
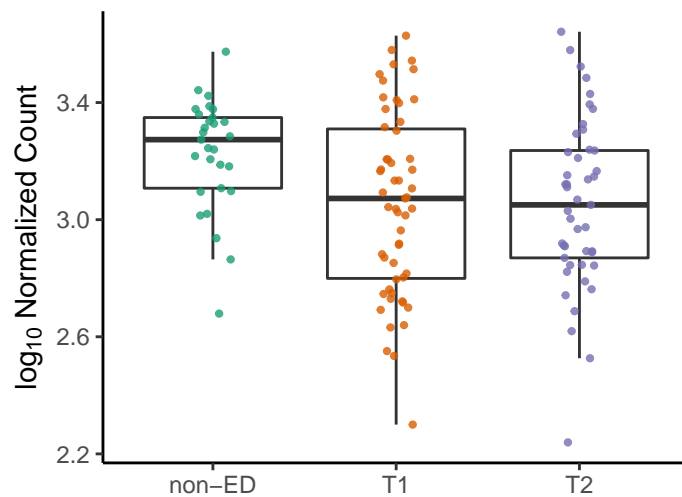non-ED vs. T2 adjusted p = 0.28
T1 vs. T2 adjusted p = 0.76

Halobacteria

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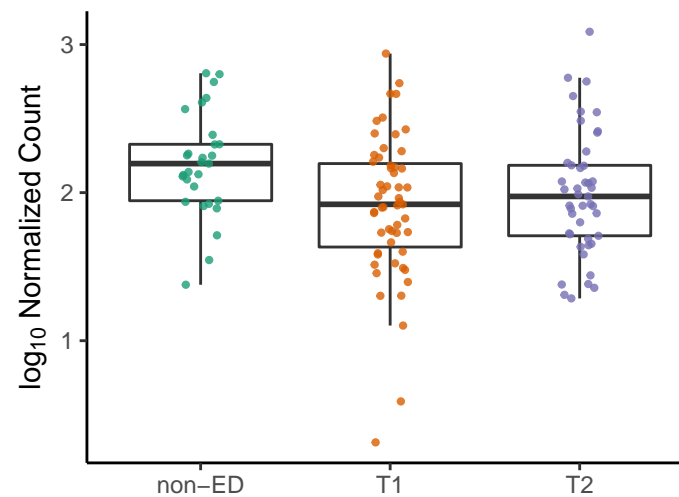non-ED vs. T2 adjusted p = 0.058
T1 vs. T2 adjusted p = 0.76

Thermotogae

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

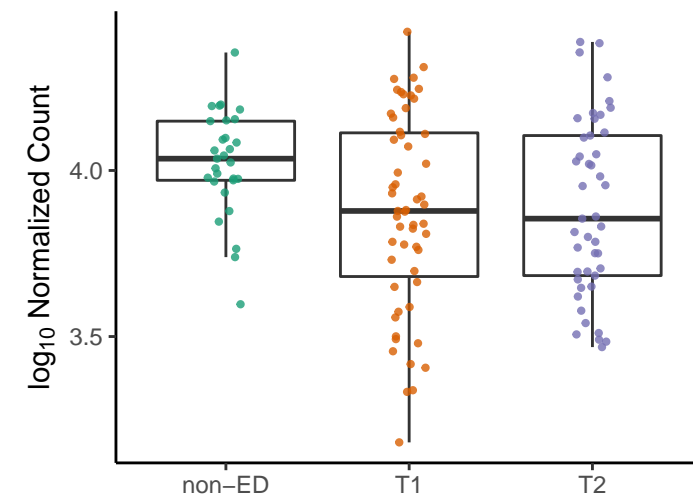## Kiritimatiellae

non-ED vs. T1 adjusted p = 0.01
non-ED vs. T2 adjusted p = 0.058
T1 vs. T2 adjusted p = 0.76
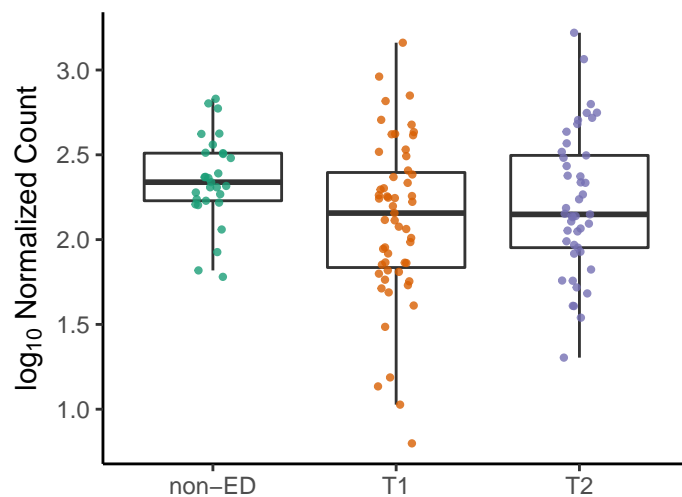
Unclassified Cyanobacteria Phylum

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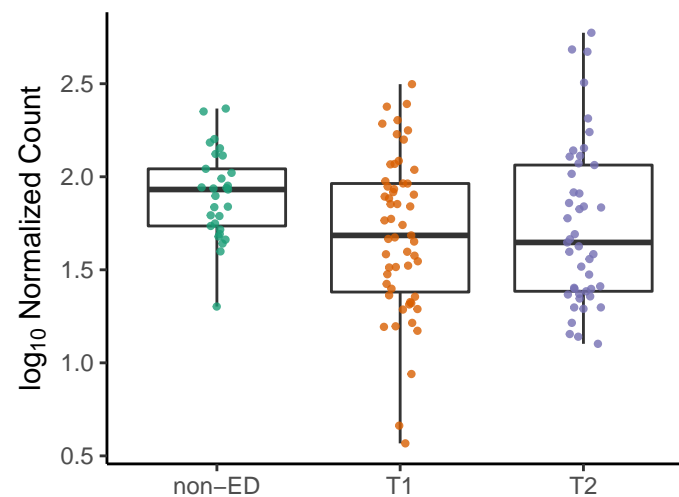non-ED vs. T2 adjusted p = 0.022
T1 vs. T2 adjusted p = 0.89

Vicinamibacteria
non–ED vs. T1 adjusted p = 0.012
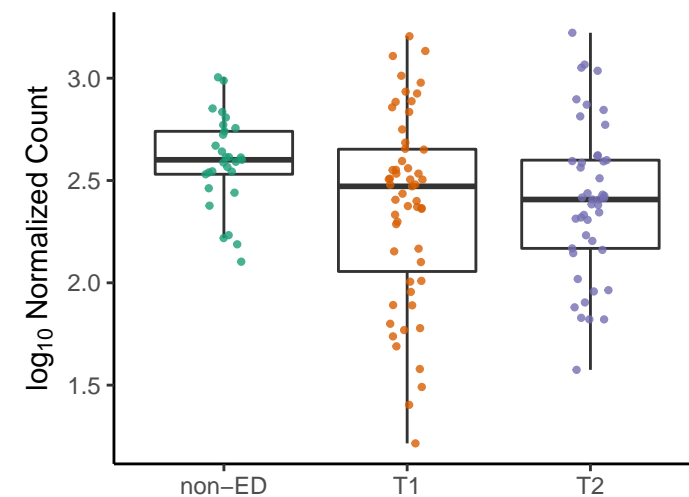non–ED vs. T2 adjusted p = 0.11
T1 vs. T2 adjusted p = 0.76

Chthonomonadetes
non–ED vs. T1 adjusted p = 0.013
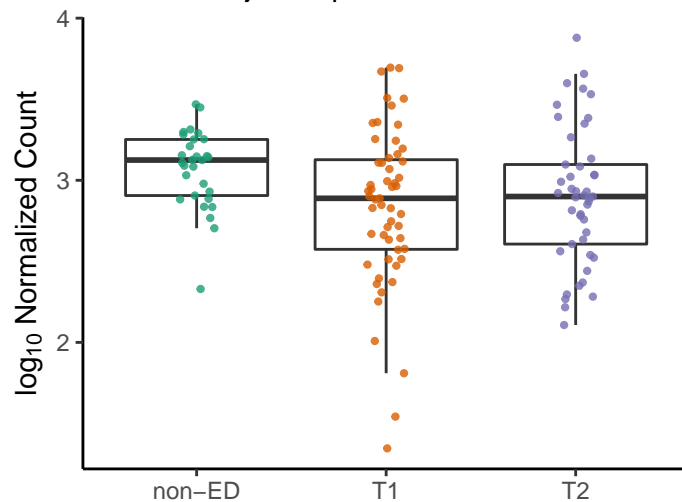non–ED vs. T2 adjusted p = 0.062
T1 vs. T2 adjusted p = 0.82

Gloeobacteria
non–ED vs. T1 adjusted p = 0.013
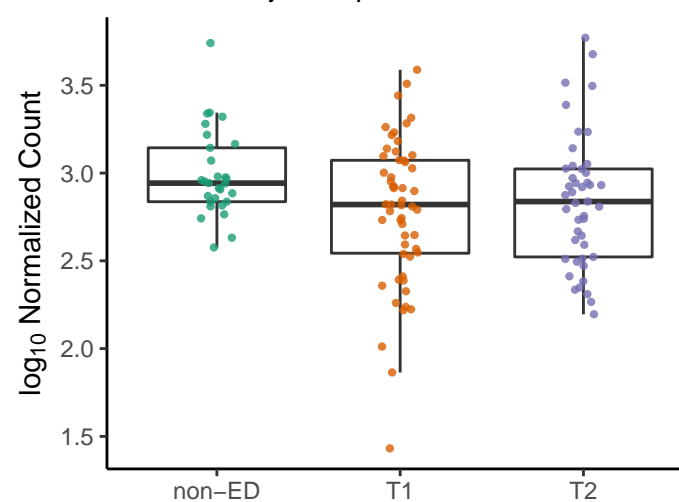non–ED vs. T2 adjusted p = 0.025
T1 vs. T2 adjusted p = 0.76

Rubrobacteria
non–ED vs. T1 adjusted p = 0.013
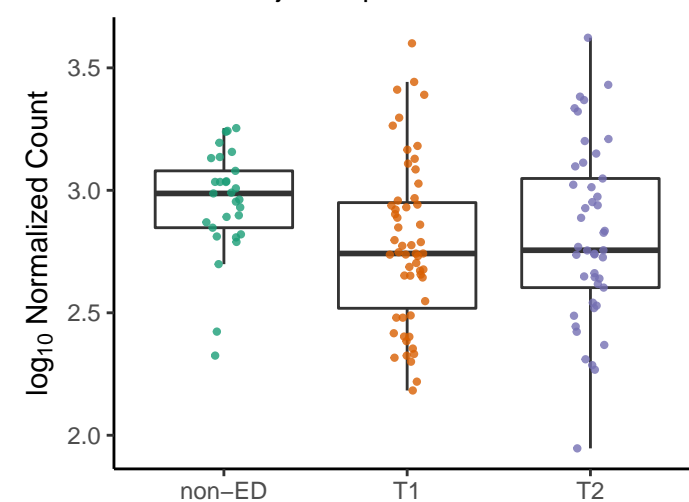non–ED vs. T2 adjusted p = 0.058
T1 vs. T2 adjusted p = 0.76

Dehalococcoidia
non–ED vs. T1 adjusted p = 0.013
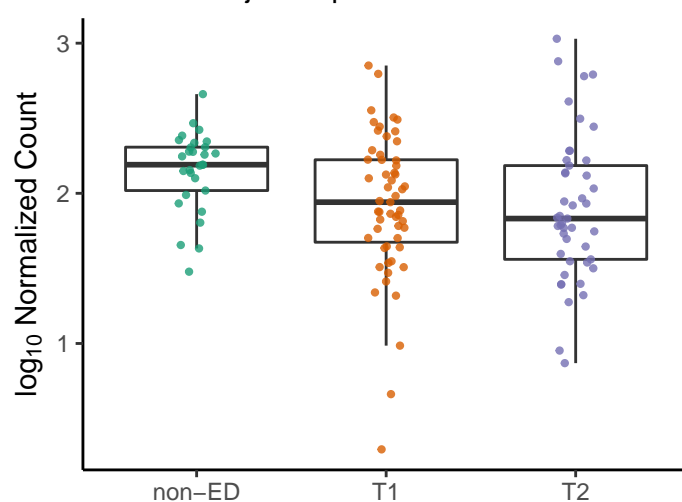non–ED vs. T2 adjusted p = 0.061
T1 vs. T2 adjusted p = 0.76

Thermococci
non–ED vs. T1 adjusted p = 0.014
non–ED vs. T2 adjusted p = 0.078
T1 vs. T2 adjusted p = 0.76
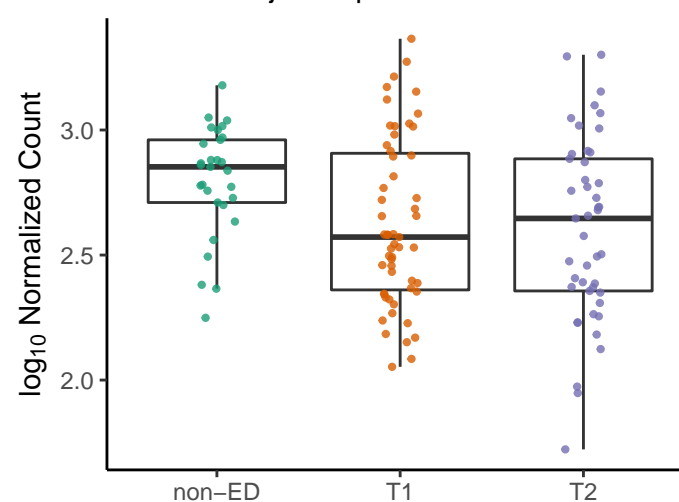
Blastocatellia
non–ED vs. T1 adjusted p = 0.015
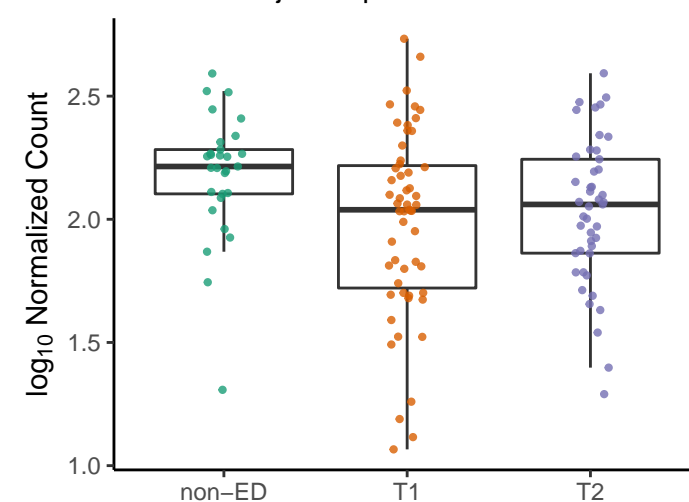non–ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.96

Methanococci
non–ED vs. T1 adjusted p = 0.017
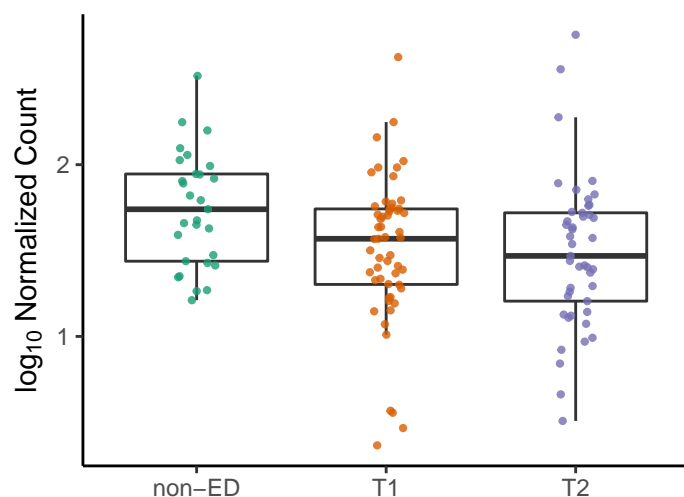non–ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.93

Archaeoglobi
non–ED vs. T1 adjusted p = 0.017
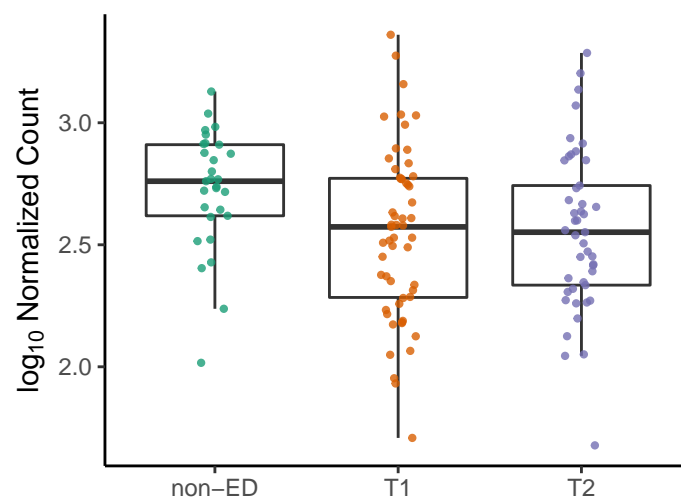non–ED vs. T2 adjusted p = 0.053
T1 vs. T2 adjusted p = 0.76

Elusimicrobia
non−ED vs. T1 adjusted p = 0.017
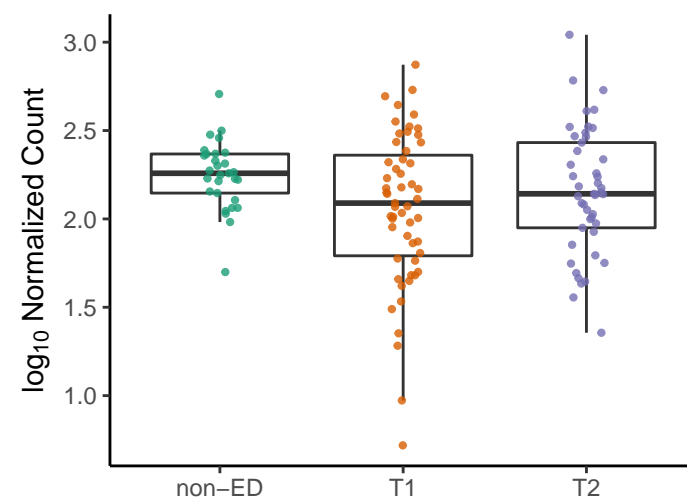non−ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.96

Deferribacteres
non−ED vs. T1 adjusted p = 0.017
non−ED vs. T2 adjusted p = 0.03
T1 vs. T2 adjusted p = 0.93

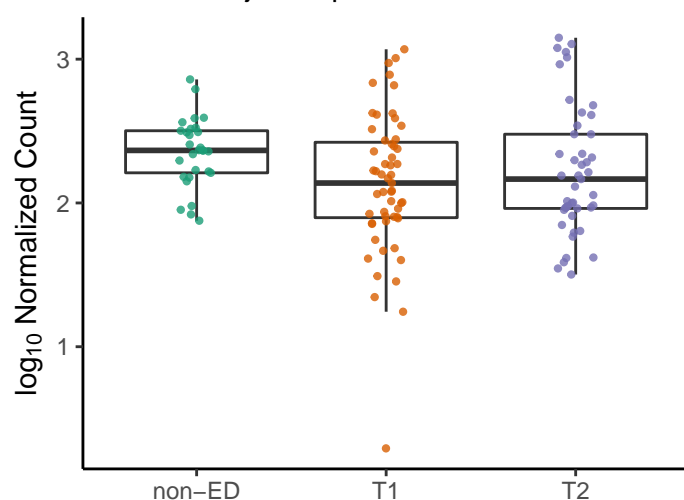**Unclassified Kiritimatiellaeota Phylum**
non−ED vs. T1 adjusted p = 0.017
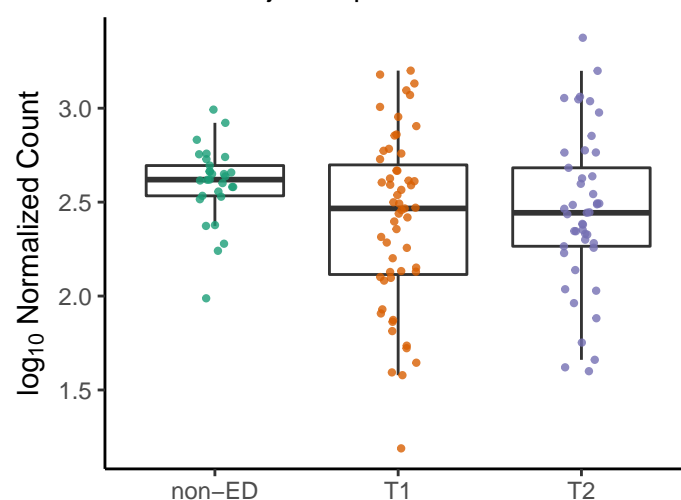non−ED vs. T2 adjusted p = 0.18
T1 vs. T2 adjusted p = 0.76

Caldilineae
non−ED vs. T1 adjusted p = 0.017
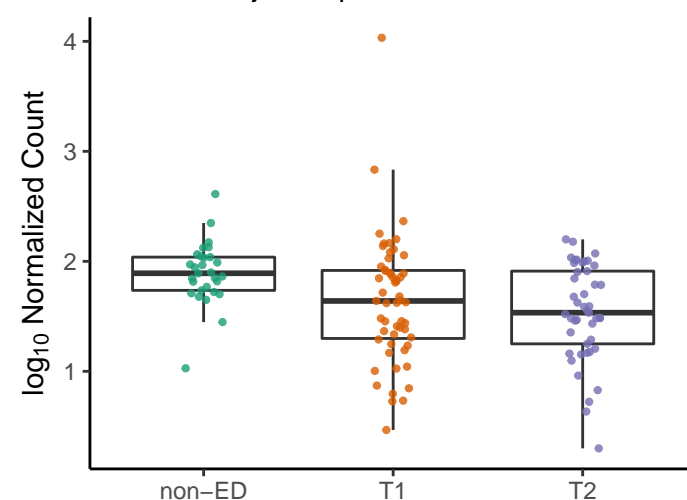non−ED vs. T2 adjusted p = 0.14
T1 vs. T2 adjusted p = 0.76

Limnochordia
non−ED vs. T1 adjusted p = 0.018
non−ED vs. T2 adjusted p = 0.071
T1 vs. T2 adjusted p = 0.76

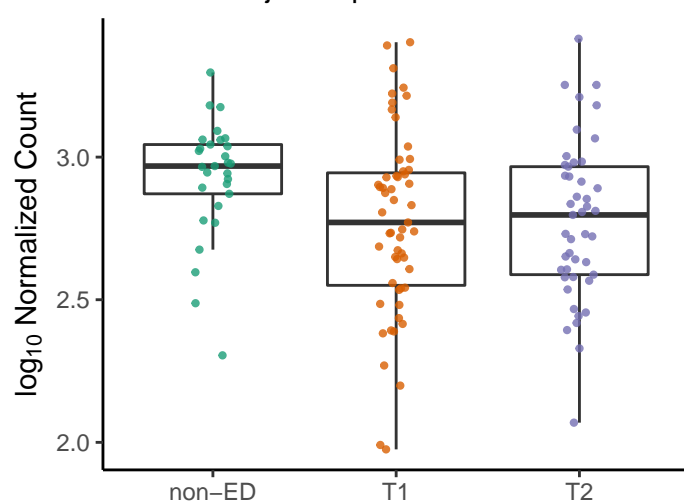**Malasseziomycetes**
non−ED vs. T1 adjusted p = 0.019
non−ED vs. T2 adjusted p = 0.0039
T1 vs. T2 adjusted p = 0.76

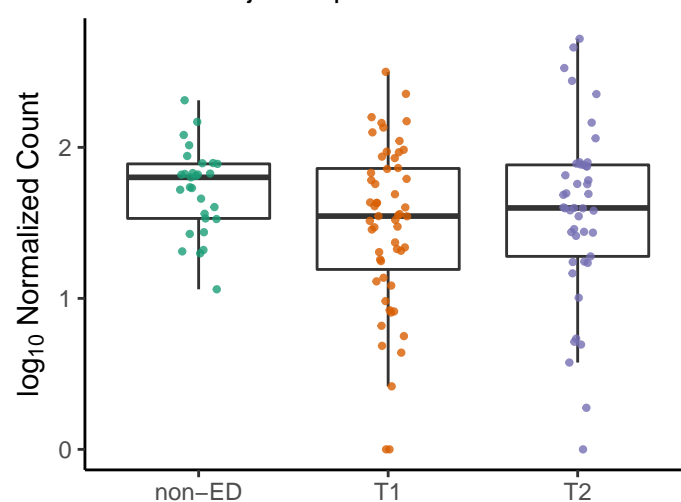**Oligoflexia**
non−ED vs. T1 adjusted p = 0.019
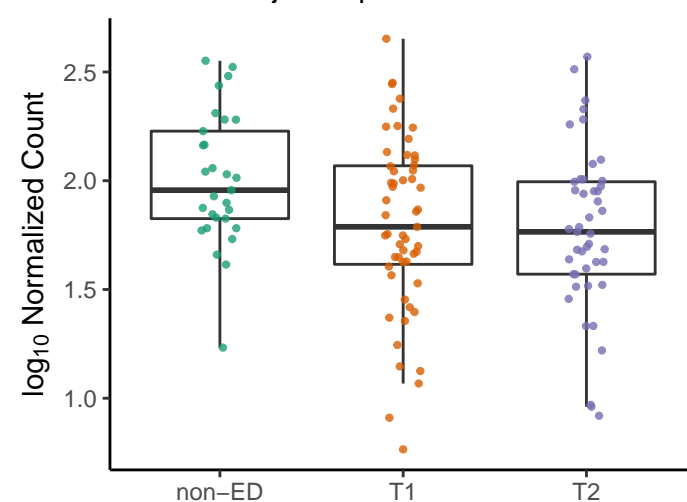non−ED vs. T2 adjusted p = 0.026
T1 vs. T2 adjusted p = 0.95

Unclassified Candidatus Bipolaricaulota
non−ED vs. T1 adjusted p = 0.019
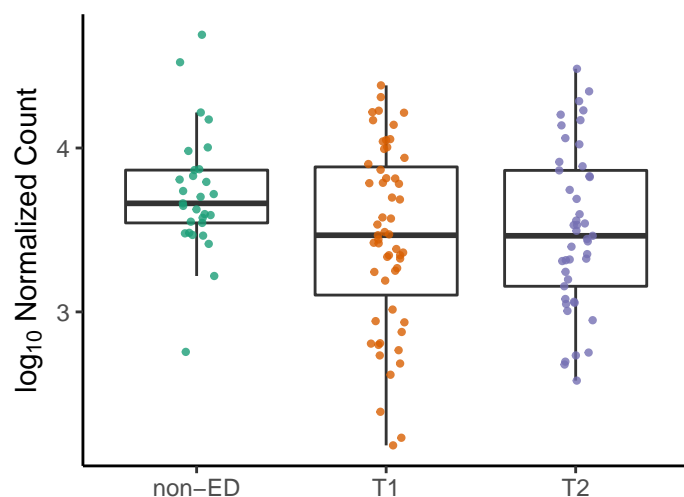non−ED vs. T2 adjusted p = 0.17
T1 vs. T2 adjusted p = 0.76

Endomicrobia
non−ED vs. T1 adjusted p = 0.021
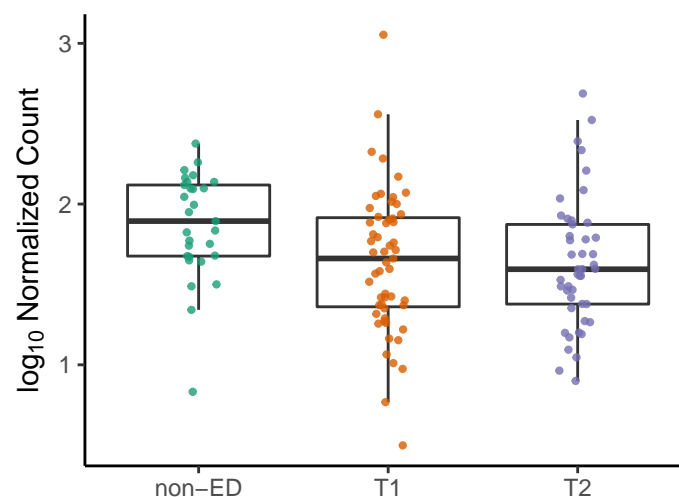non−ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.93

Unclassified Actinobacteria Phylum

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

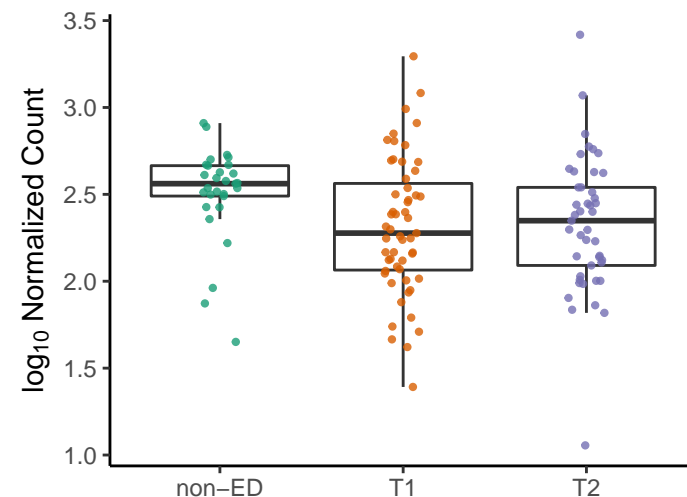**Unclassified Euryarchaeota Phylum**

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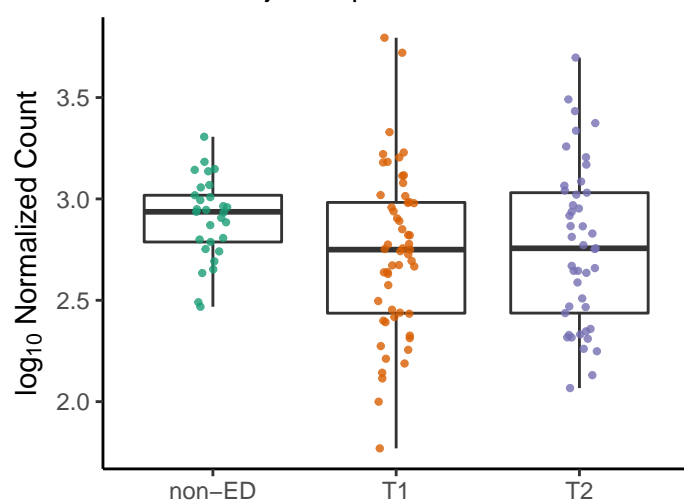non-ED vs. T2 adjusted p = 0.022
T1 vs. T2 adjusted p = 0.96

Ignavibacteria

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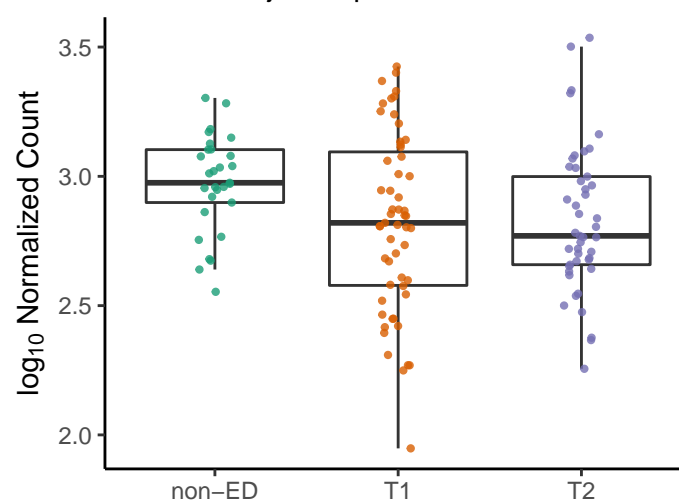non-ED vs. T2 adjusted p = 0.055
T1 vs. T2 adjusted p = 0.96

Thermoplasmata

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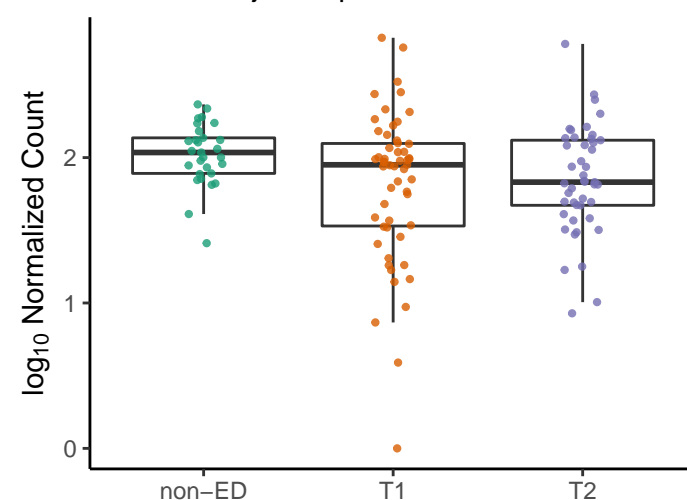non-ED vs. T2 adjusted p = 0.077
T1 vs. T2 adjusted p = 0.76

Thermoprotei

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

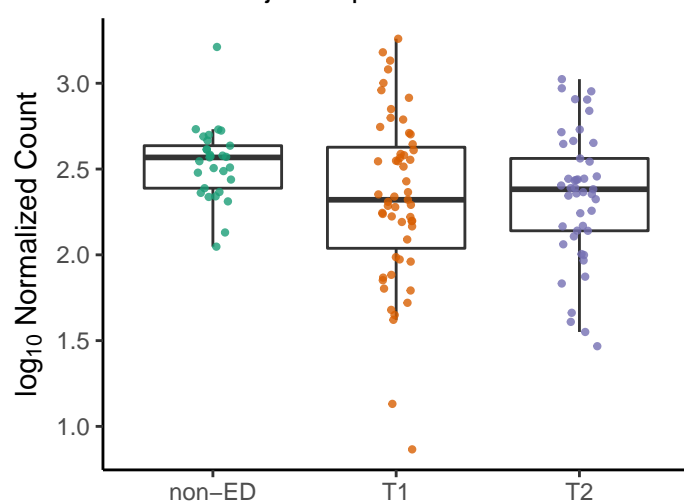**Unclassified Balneolaeota Phylum**

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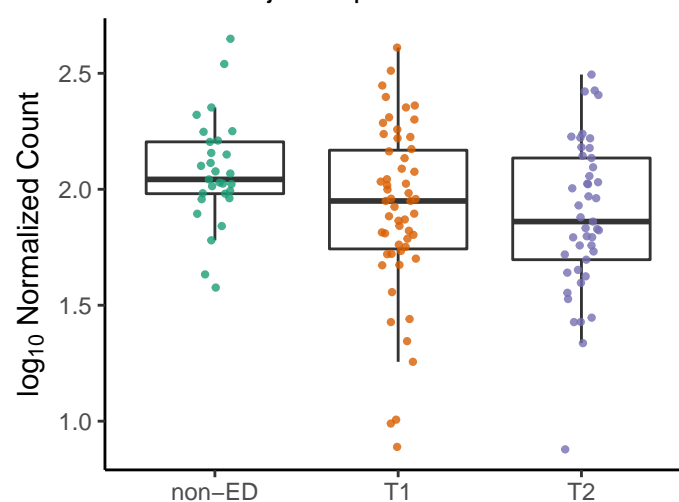non-ED vs. T2 adjusted p = 0.029
T1 vs. T2 adjusted p = 0.82

Unclassified Verrucomicrobia Phylum

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

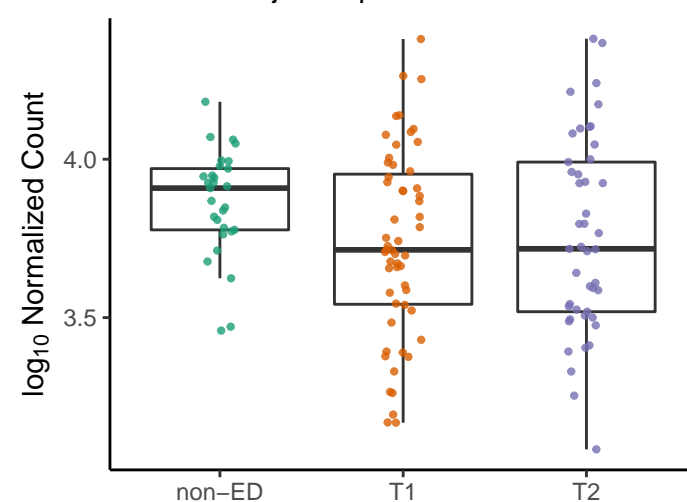**Nitrososphaeria**

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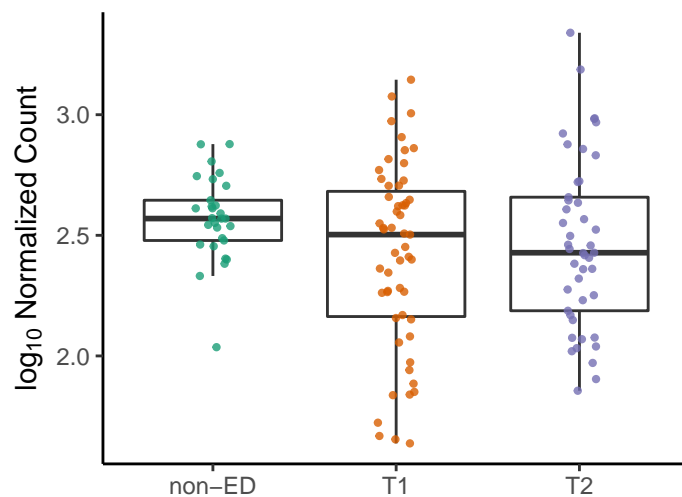non-ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.96

Spirochaetia

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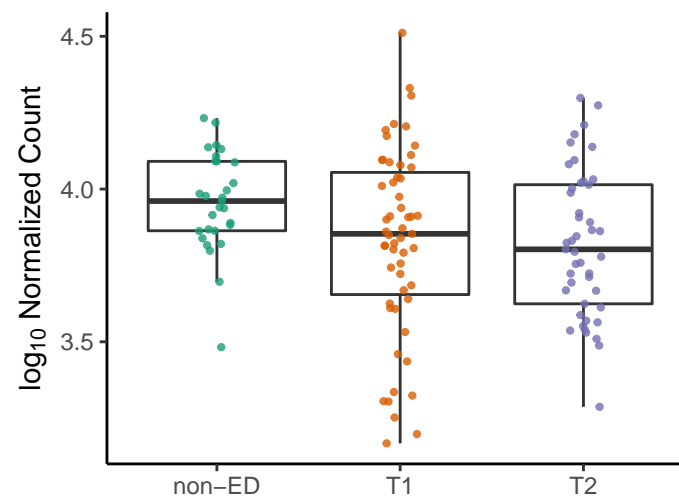non-ED vs. T2 adjusted p = 0.083
T1 vs. T2 adjusted p = 0.86

Acidithiobacillia

non−ED vs. T1 adjusted p = 0.026
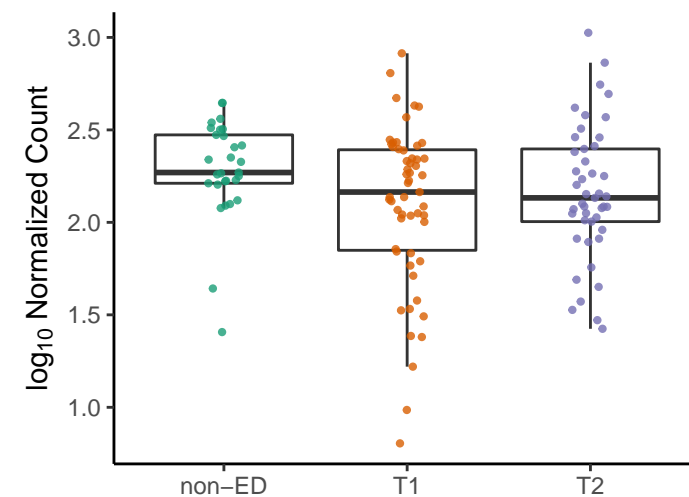non−ED vs. T2 adjusted p = 0.12
T1 vs. T2 adjusted p = 0.76

Cytophagia

non−ED vs. T1 adjusted p = 0.026
non−ED vs. T2 adjusted p = 0.019
T1 vs. T2 adjusted p = 0.99
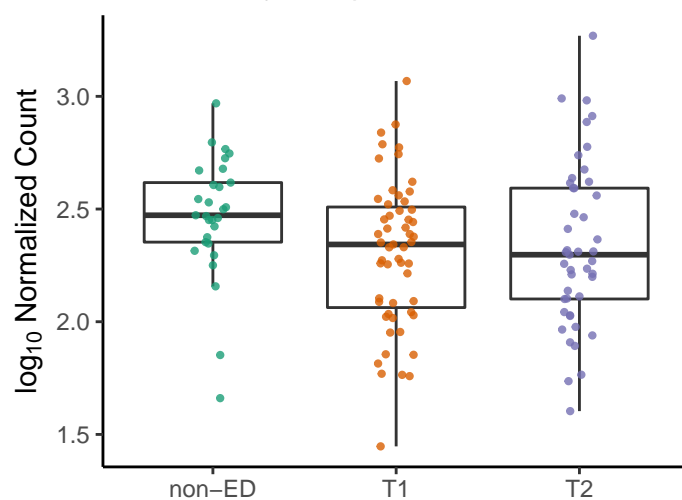
Chrysiogenetes

non−ED vs. T1 adjusted p = 0.027
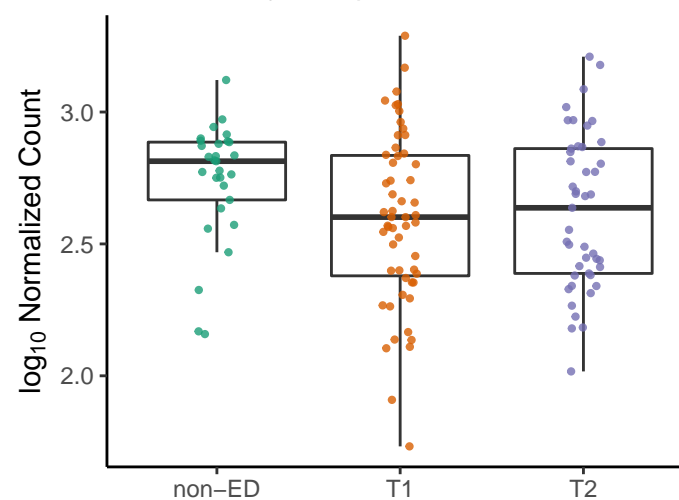non−ED vs. T2 adjusted p = 0.12
T1 vs. T2 adjusted p = 0.76

Dothideomycetes

non−ED vs. T1 adjusted p = 0.027
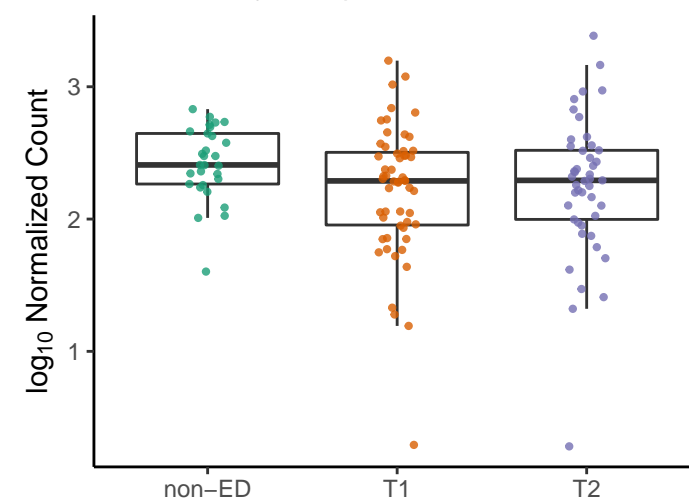non−ED vs. T2 adjusted p = 0.11
T1 vs. T2 adjusted p = 0.76

Chlamydiia

non−ED vs. T1 adjusted p = 0.027
non−ED vs. T2 adjusted p = 0.078
T1 vs. T2 adjusted p = 0.85
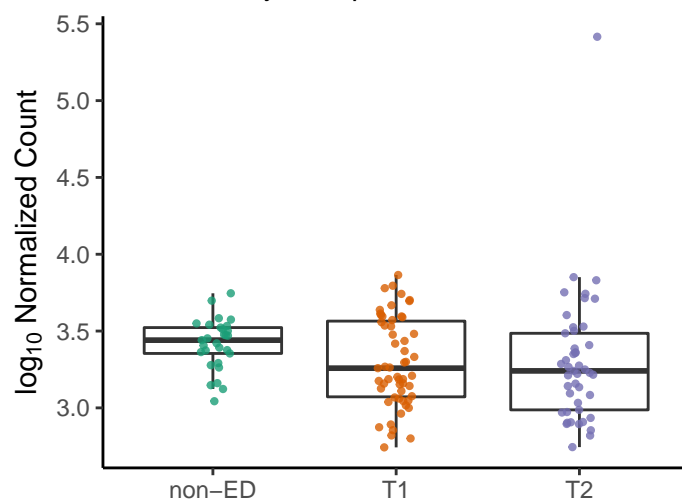
Thermomicrobia

non−ED vs. T1 adjusted p = 0.027
non−ED vs. T2 adjusted p = 0.099
T1 vs. T2 adjusted p = 0.82
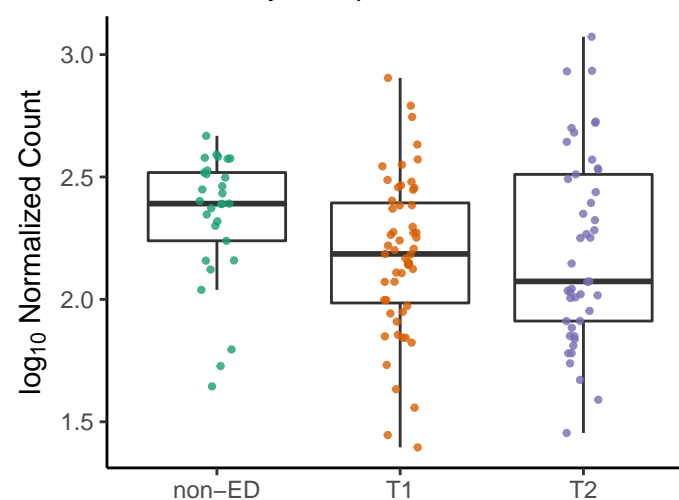
Saccharomycetes

non−ED vs. T1 adjusted p = 0.028
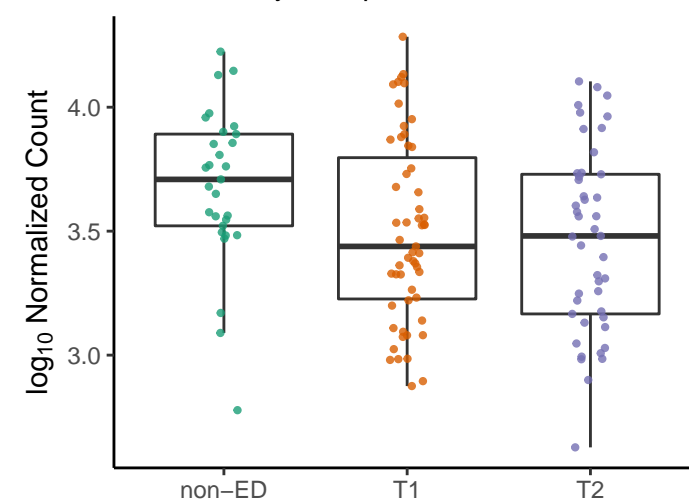non−ED vs. T2 adjusted p = 0.13
T1 vs. T2 adjusted p = 0.93

Leotiomycetes

non−ED vs. T1 adjusted p = 0.03
non−ED vs. T2 adjusted p = 0.11
T1 vs. T2 adjusted p = 0.96

Mollicutes

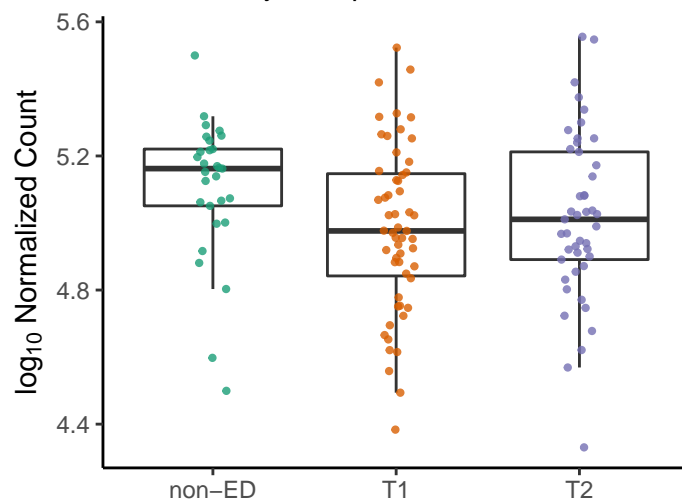non−ED vs. T1 adjusted p = 0.031
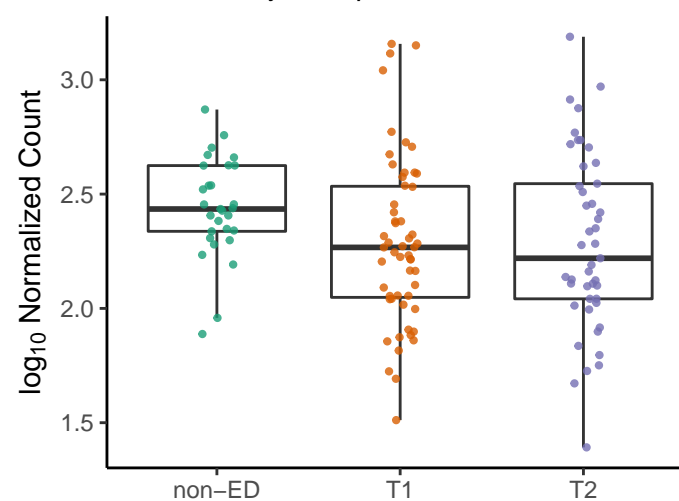non−ED vs. T2 adjusted p = 0.025
T1 vs. T2 adjusted p = 0.82

Unclassified Firmicutes Phylum
non-ED vs. T1 adjusted p = 0.032
non-ED vs. T2 adjusted p = 0.14
T1 vs. T2 adjusted p = 0.76

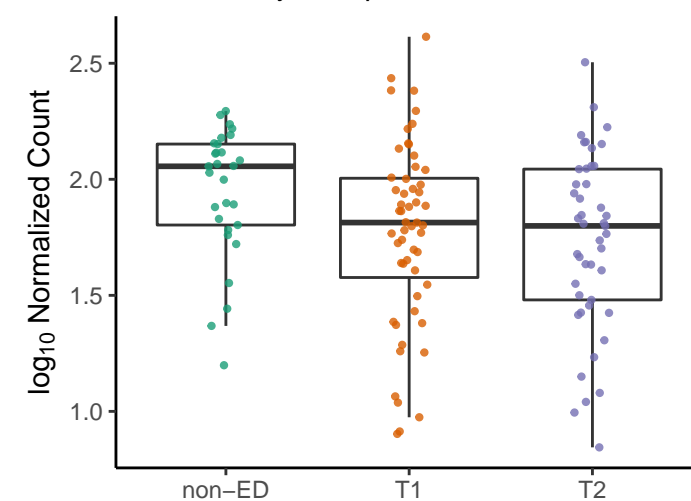**Tremellomycetes**
non-ED vs. T1 adjusted p = 0.032
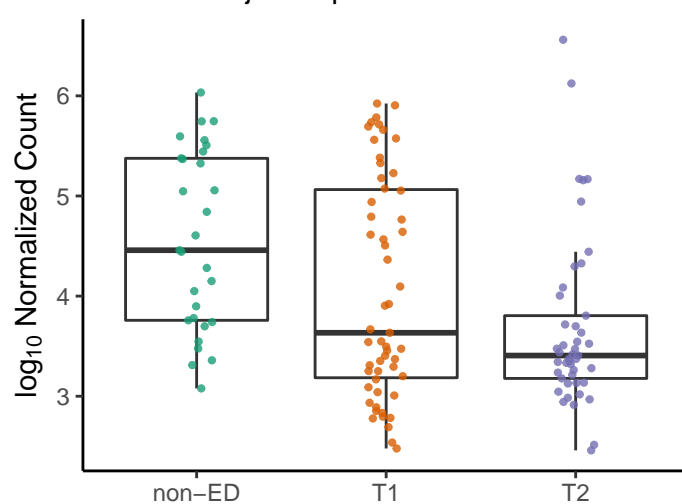non-ED vs. T2 adjusted p = 0.06
T1 vs. T2 adjusted p = 0.93

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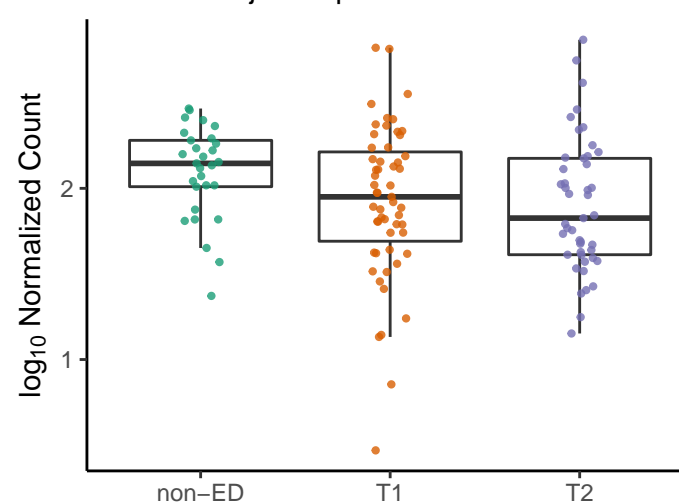non-ED vs. T2 adjusted p = 0.022
T1 vs. T2 adjusted p = 0.86

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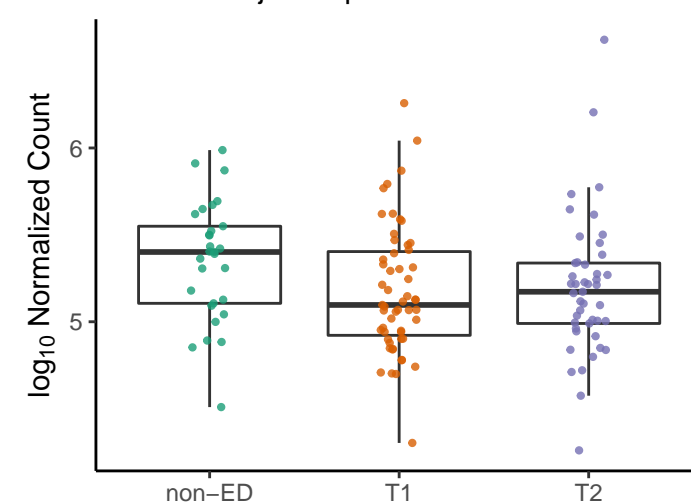non-ED vs. T2 adjusted p = 0.0039
T1 vs. T2 adjusted p = 0.76

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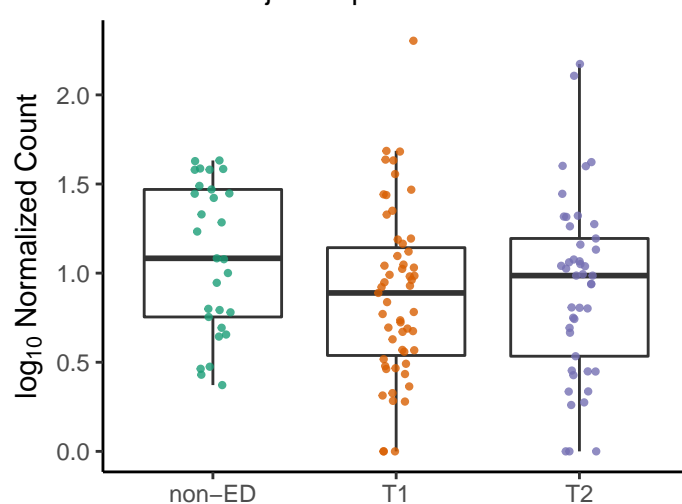non-ED vs. T2 adjusted p = 0.03
T1 vs. T2 adjusted p = 0.92

Erysipelotrichia
non-ED vs. T1 adjusted p = 0.05
non-ED vs. T2 adjusted p = 0.11
T1 vs. T2 adjusted p = 0.93

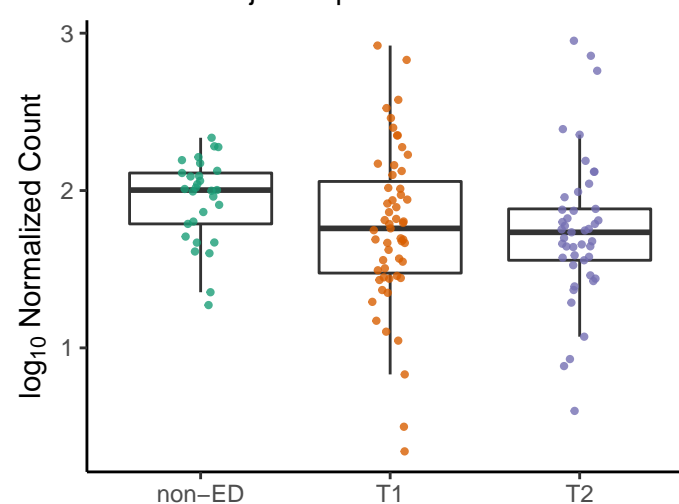**Unclassified Ascomycota Phylum**
non-ED vs. T1 adjusted p = 0.057
non-ED vs. T2 adjusted p = 0.15
T1 vs. T2 adjusted p = 0.92

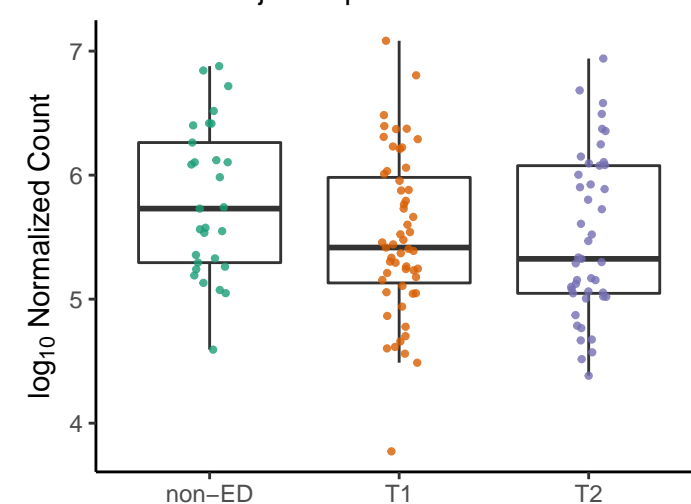**Unclassified candidate division Zixibacte**
non-ED vs. T1 adjusted p = 0.062
non-ED vs. T2 adjusted p = 0.055
T1 vs. T2 adjusted p = 0.92

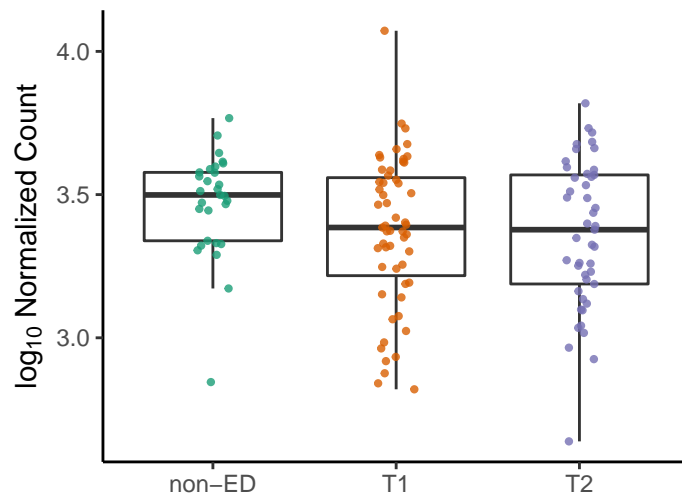**Actinobacteria**
non-ED vs. T1 adjusted p = 0.063
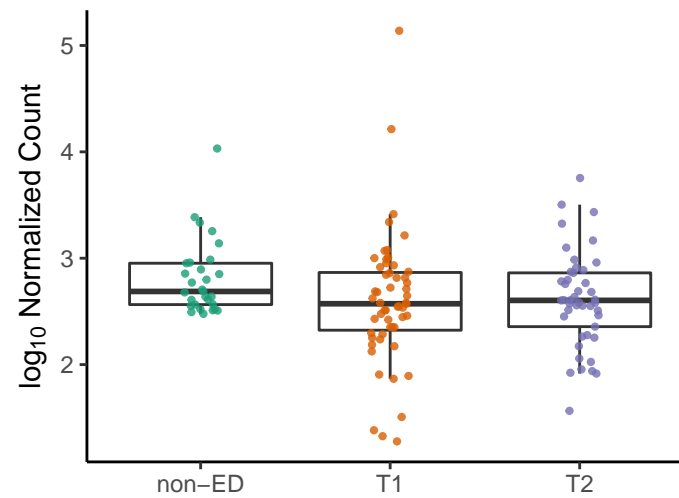non-ED vs. T2 adjusted p = 0.078
T1 vs. T2 adjusted p = 0.85

Chitinophagia
non−ED vs. T1 adjusted p = 0.063
non−ED vs. T2 adjusted p = 0.061
T1 vs. T2 adjusted p = 0.93
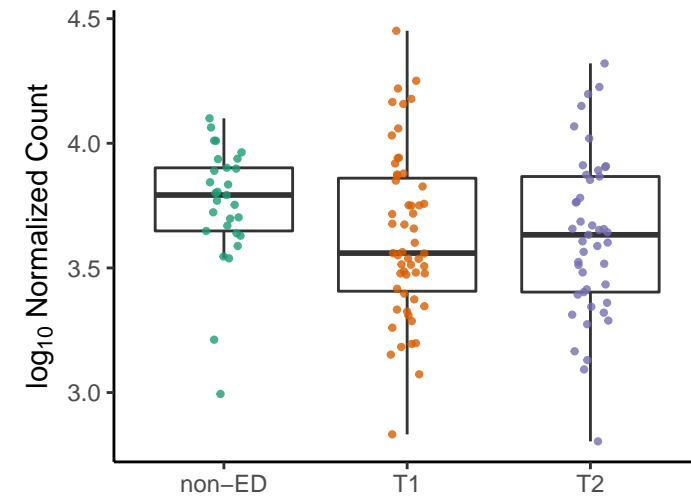
Lentisphaeria
non−ED vs. T1 adjusted p = 0.063
non−ED vs. T2 adjusted p = 0.058
T1 vs. T2 adjusted p = 0.85
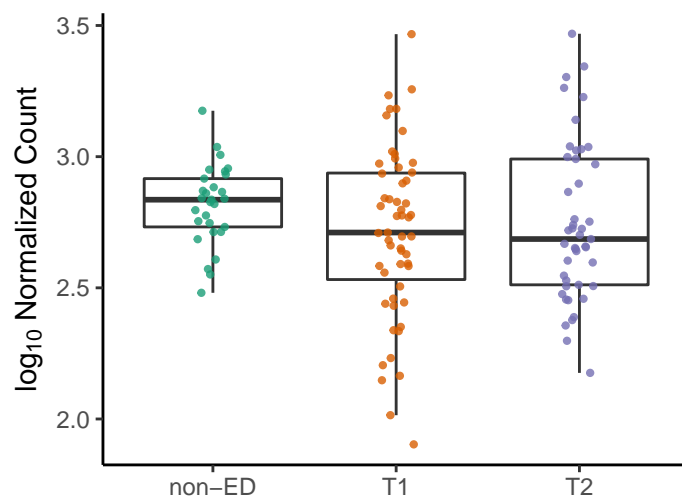
Tissierellia
non−ED vs. T1 adjusted p = 0.064
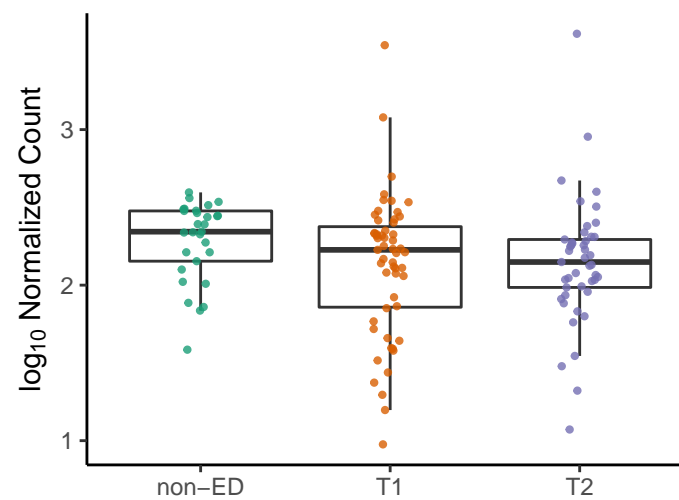non−ED vs. T2 adjusted p = 0.08
T1 vs. T2 adjusted p = 0.99

Nitrospira
non−ED vs. T1 adjusted p = 0.064
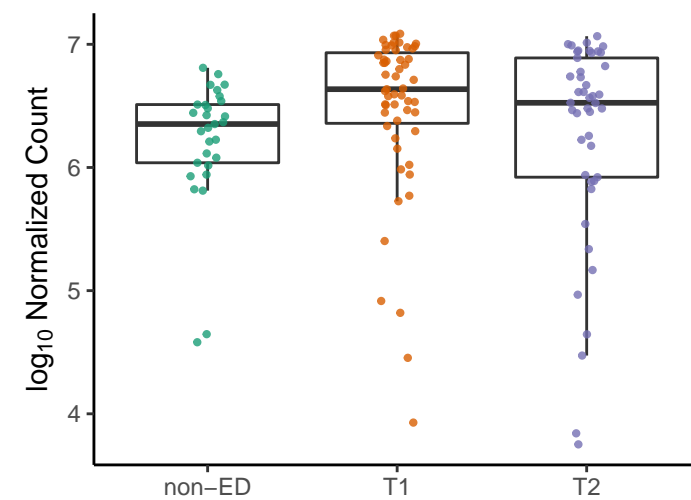non−ED vs. T2 adjusted p = 0.21
T1 vs. T2 adjusted p = 0.76

Saprospiria
non−ED vs. T1 adjusted p = 0.068
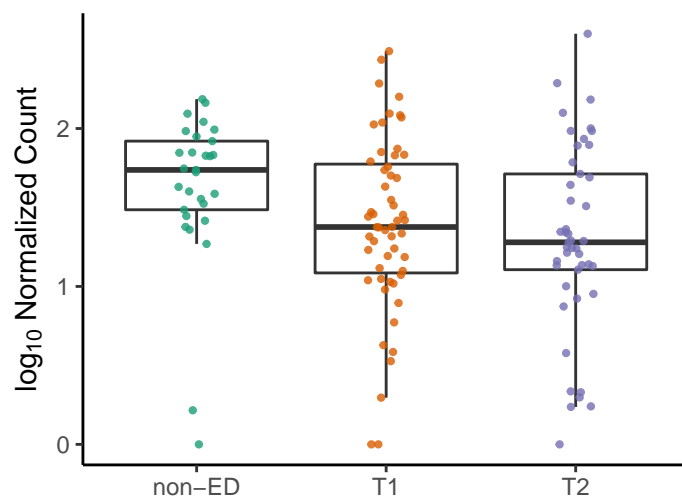non−ED vs. T2 adjusted p = 0.11
T1 vs. T2 adjusted p = 0.93

Bacteroidia
non−ED vs. T1 adjusted p = 0.069
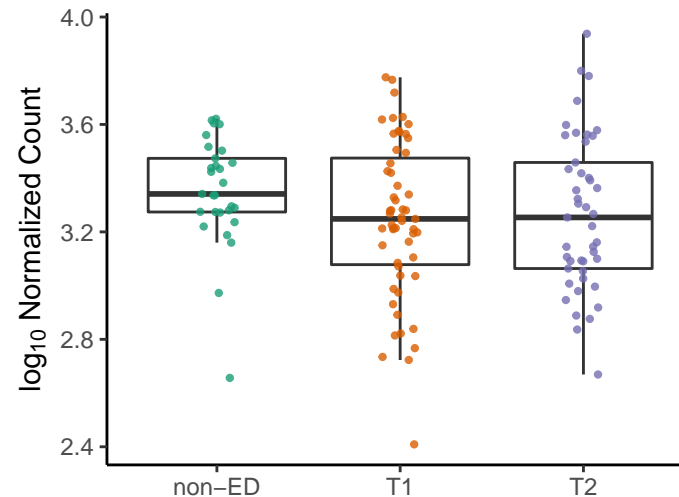non−ED vs. T2 adjusted p = 0.81
T1 vs. T2 adjusted p = 0.15

Unclassified Candidatus Gracilibacteria
non−ED vs. T1 adjusted p = 0.069
non−ED vs. T2 adjusted p = 0.03
T1 vs. T2 adjusted p = 0.91
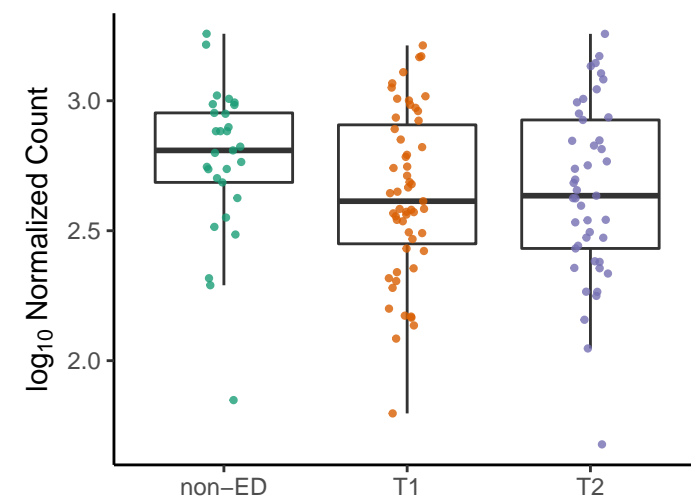
Methanomicrobia
non−ED vs. T1 adjusted p = 0.074
non−ED vs. T2 adjusted p = 0.16
T1 vs. T2 adjusted p = 0.85

Aquificae
non−ED vs. T1 adjusted p = 0.074
non−ED vs. T2 adjusted p = 0.13
T1 vs. T2 adjusted p = 0.93

Coriobacteriia

non−ED vs. T1 adjusted p = 0.087
non−ED vs. T2 adjusted p = 0.28
T1 vs. T2 adjusted p = 0.76