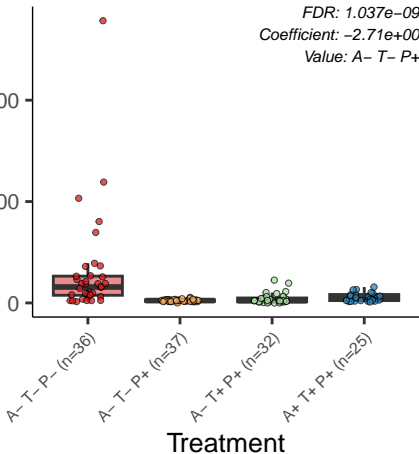


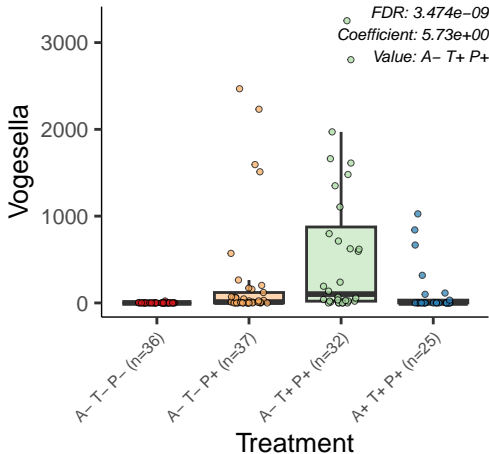
Plesiomonas

*FDR: 1.037e-09*

*Coefficient: -2.71e+00*

*Value: A- T- P+*





Plesiomonas

*FDR: 3.474e-09*

*Coefficient: -2.66e+00*

*Value: A- T+ P+*

2000

1000

0

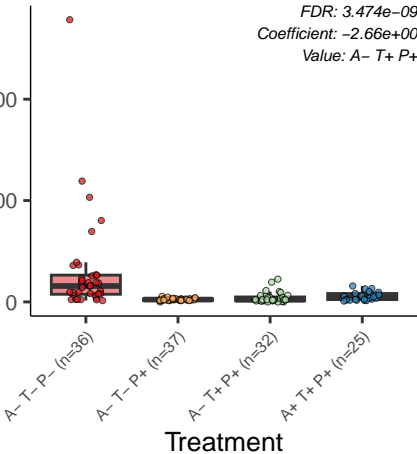
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



X67.14\_Genus

*FDR: 1.023e-08*  
*Coefficient: 3.91e+00*  
*Value: A- T- P+*

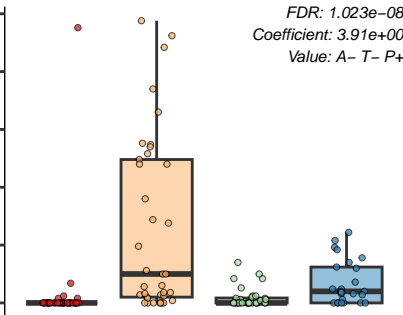
A-T-P- (n=36)

A-T-P+ (n=37)

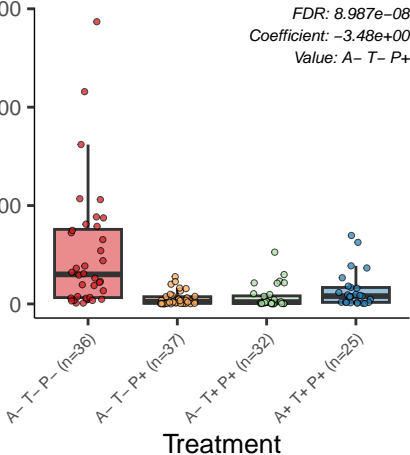
A-T+P+ (n=32)

A+T+P+ (n=25)

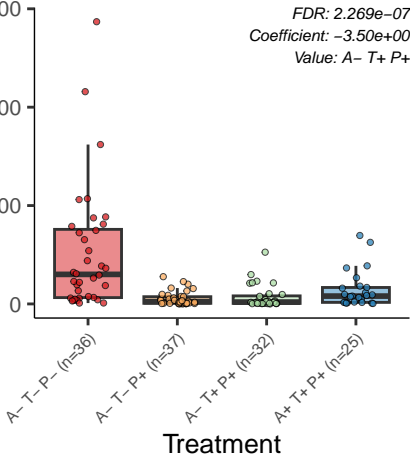
Treatment



Culicoidibacter



Culicoidibacter

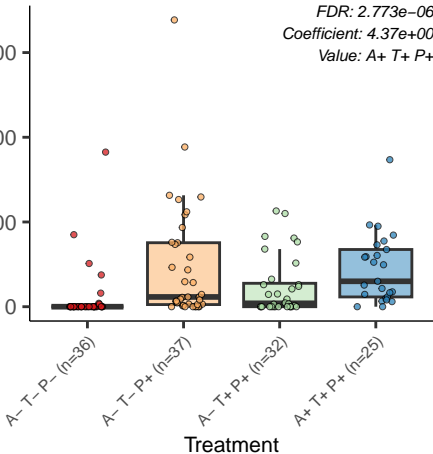


Vampiromicrobionaceae\_Genus

*FDR: 2.773e-06*

*Coefficient: 4.37e+00*

*Value: A+ T+ P+*



Pseudomonas

*FDR: 2.773e-06*

*Coefficient: 2.09e+00*

*Value: A- T+ P+*

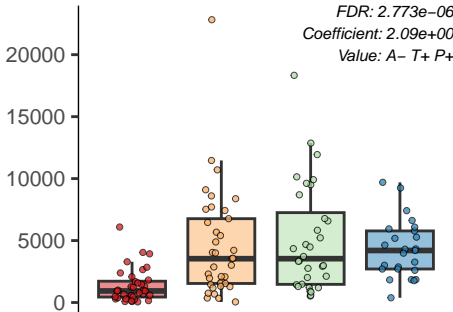
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment





Unknown\_Family\_Genus

*FDR: 4.435e-06*

*Coefficient: 1.76e+00*

*Value: A- T+ P+*

75

50

25

0

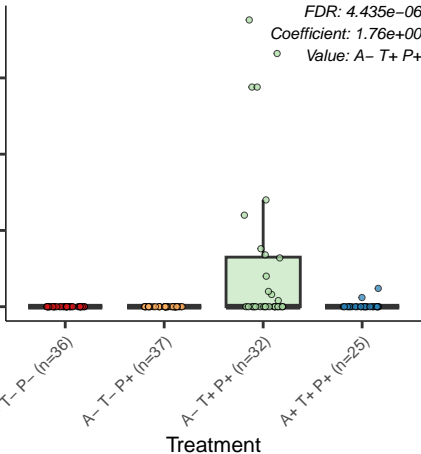
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment



Rhodovarius

*FDR: 1.190e-05*  
*Coefficient: 1.69e+00*  
*Value: A- T- P+*

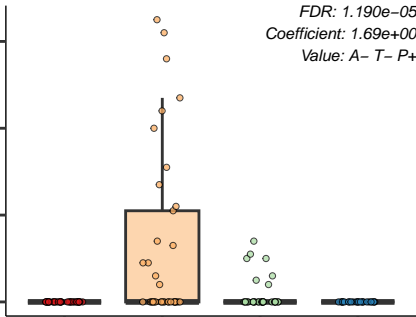
A-T-P- (n=36)

A-T-P+ (n=37)

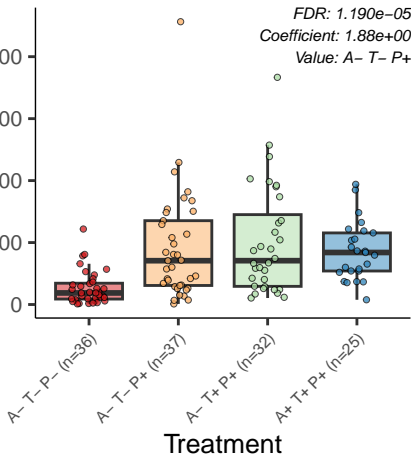
A-T+P+ (n=32)

A+T+P+ (n=25)

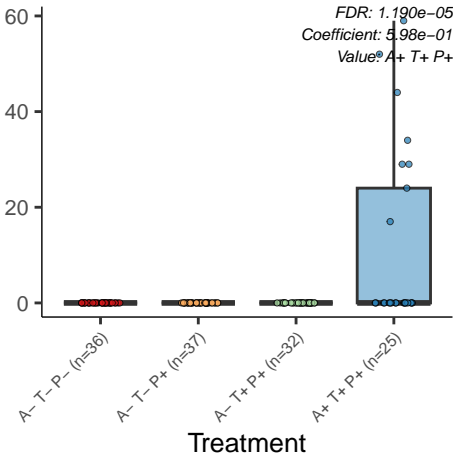
Treatment



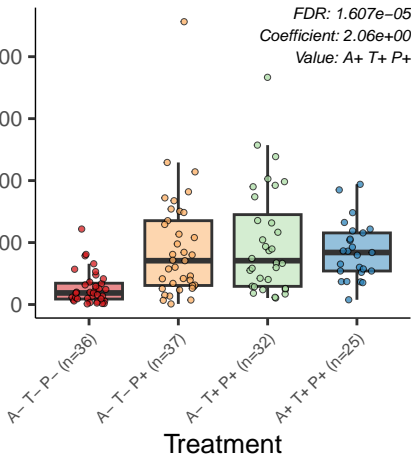
Pseudomonas



Pararhodobacter

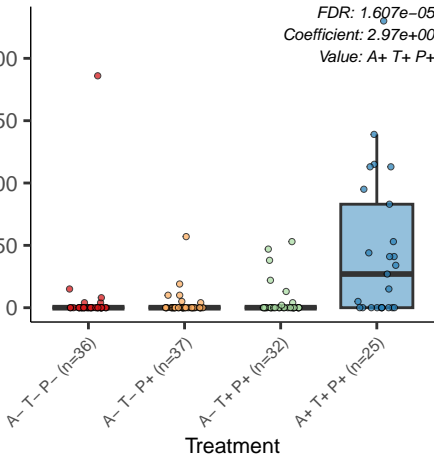


Pseudomonas



Pseudoxanthomonas

*FDR: 1.607e-05*  
*Coefficient: 2.97e+00*  
*Value: A+ T+ P+*



Halomonas

*FDR: 2.457e-05*  
*Coefficient: 2.01e+00*  
*Value: A- T- P+*

A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment

100

50

0

Polymorphobacter

*FDR: 3.012e-05*

*Coefficient: 2.74e+00*

*Value: A- T- P+*

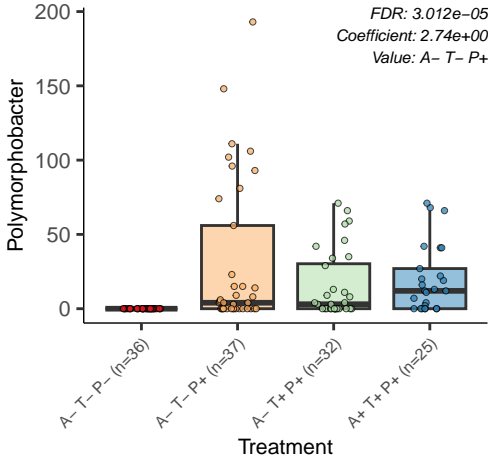
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment





Polymorphobacter

*FDR: 3.012e-05*

*Coefficient: 3.06e+00*

*Value: A+ T+ P+*

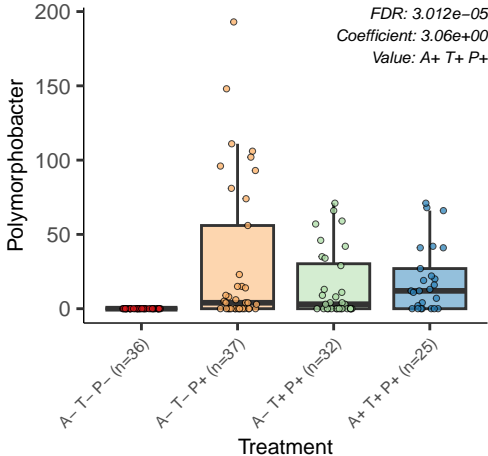
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment

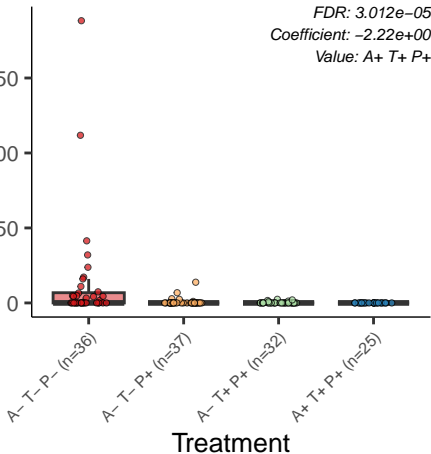


Cloacibacterium

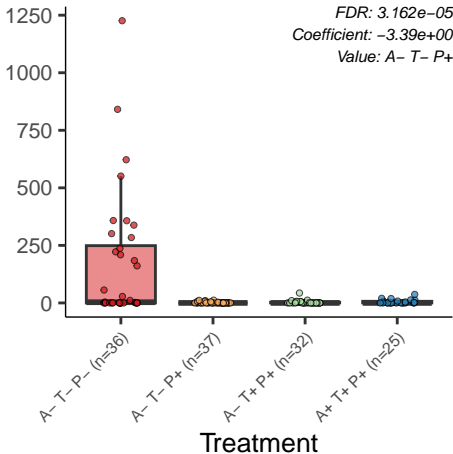
FDR: 3.012e-05

Coefficient: -2.22e+00

Value: A+ T+ P+



Agromyces



Chthoniobacter

100

50

0

A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

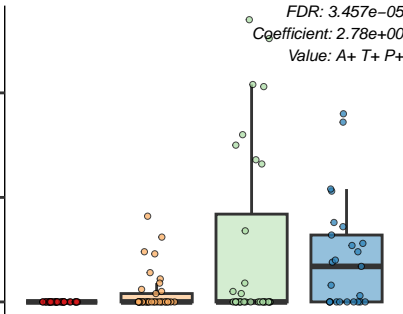
A+T+P+ (n=25)

Treatment

FDR: 3.457e-05

Coefficient: 2.78e+00

Value: A+ T+ P+

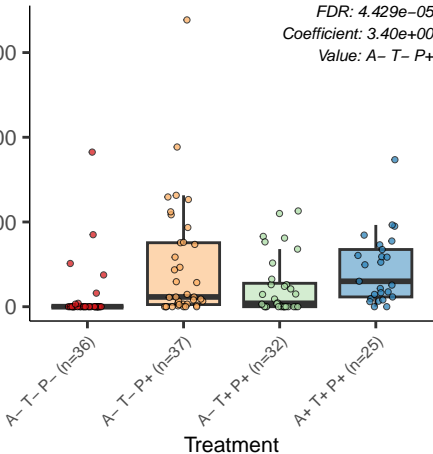


Vampirovibrionaceae\_Genus

*FDR: 4.429e-05*

*Coefficient: 3.40e+00*

*Value: A- T- P+*



Gemmobacter

*FDR: 5.471e-05*

*Coefficient: -2.21e+00*

*Value: A- T- P+*

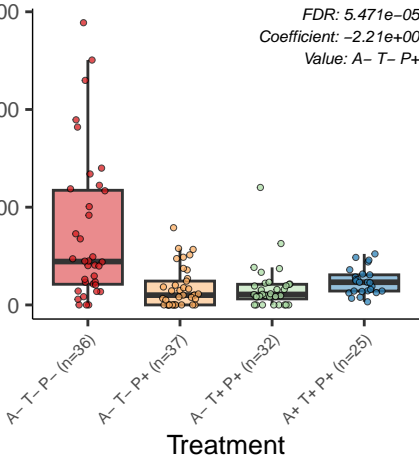
A- T- P- (n=36)

A- T+ P+ (n=37)

A- T+ P- (n=32)

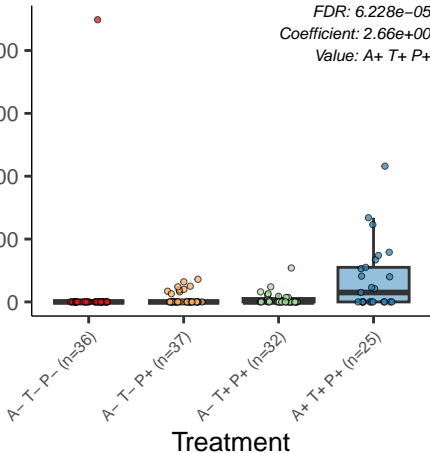
A+ T+ P+ (n=25)

Treatment

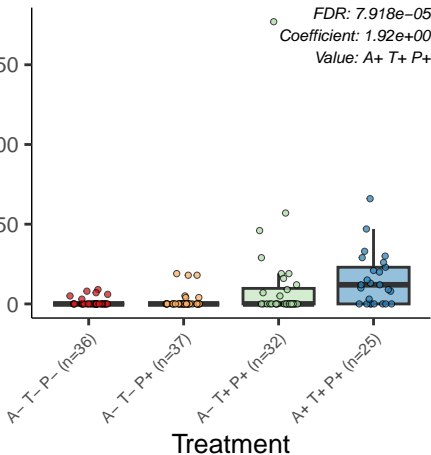


Flavihumibacter

*FDR: 6.228e-05*  
*Coefficient: 2.66e+00*  
*Value: A+ T+ P+*



Chitinibacter



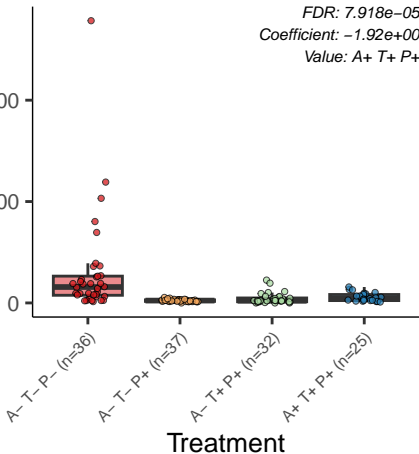


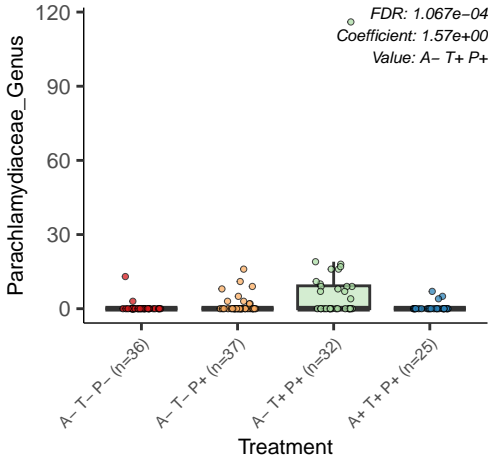
Plesiomonas

*FDR: 7.918e-05*

*Coefficient: -1.92e+00*

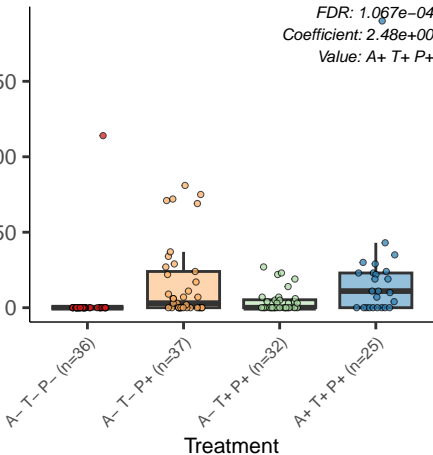
*Value: A+ T+ P+*





Candidatus\_Megaira

*FDR: 1.067e-04*  
*Coefficient: 2.48e+00*  
*Value: A+ T+ P+*

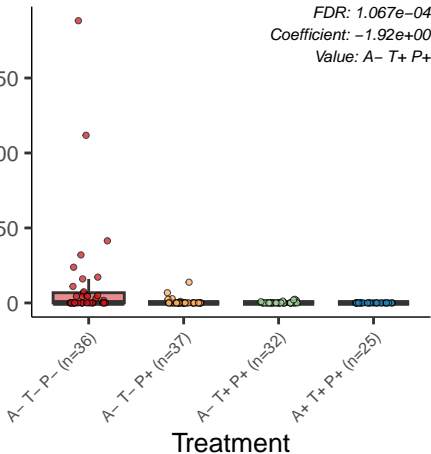


Cloacibacterium

FDR: 1.067e-04

Coefficient: -1.92e+00

Value: A- T+ P+



Rubrivivax

*FDR: 1.276e-04*

*Coefficient: 3.07e+00*

*Value: A- T+ P+*

1000

500

0

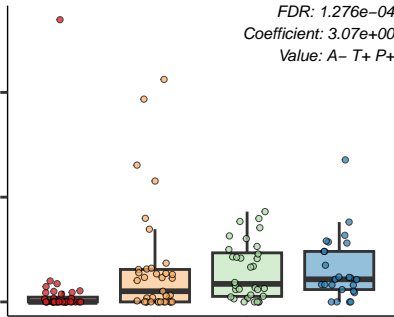
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment

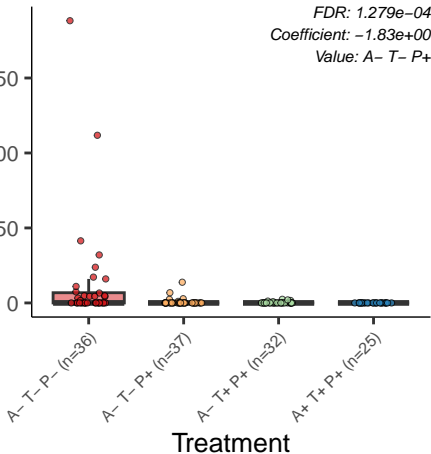


Cloacibacterium

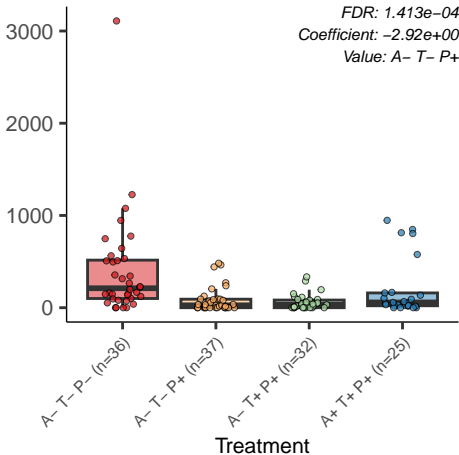
FDR: 1.279e-04

Coefficient: -1.83e+00

Value: A- T- P+



Paenirhodobacter



Rubrivivax

*FDR: 1.740e-04*  
*Coefficient: 3.22e+00*  
*Value: A+ T+ P+*

A-T-P- (n=36)

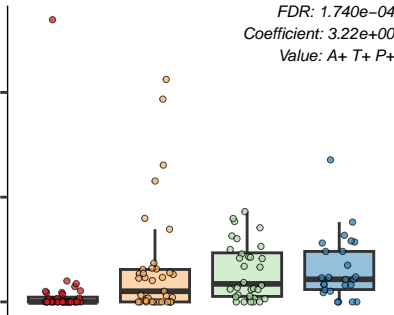
A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

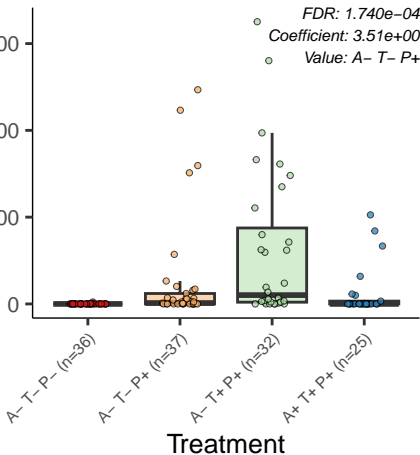
Treatment

1000  
500  
0

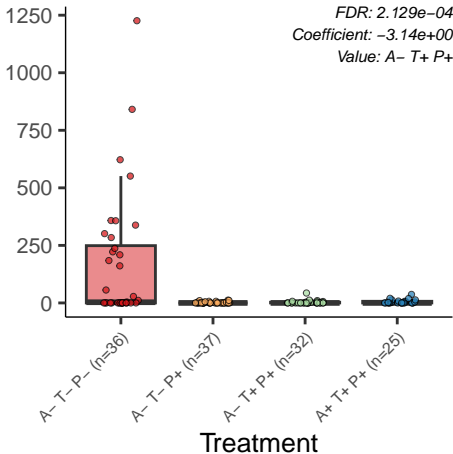




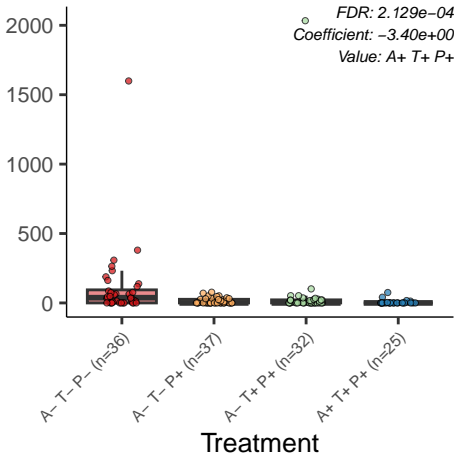
Vogesella



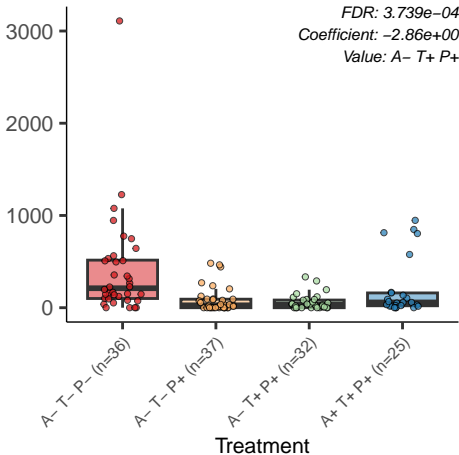
Agromyces



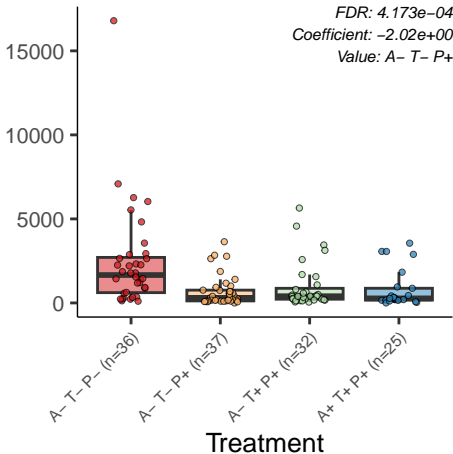
Rhizobium



Paenirhodobacter

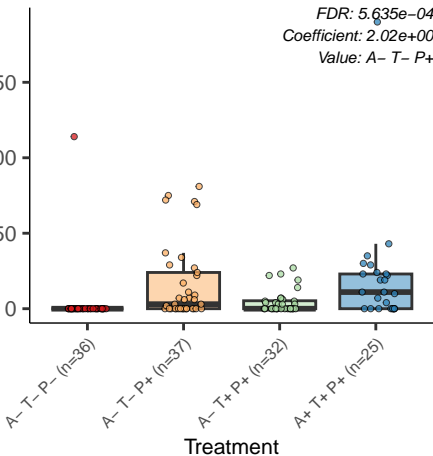


Paucibacter



Candidatus\_Megaira

*FDR: 5.635e-04*  
*Coefficient: 2.02e+00*  
*Value: A- T- P+*



Chitinivorax

*FDR: 5.686e-04*  
*Coefficient: 2.47e+00*  
*Value: A+ T+ P+*

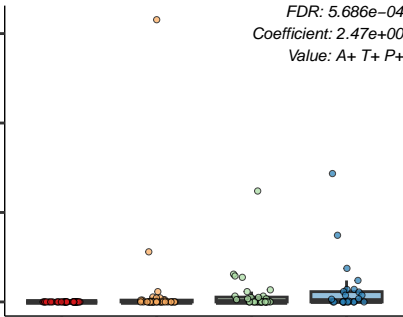
A-T-P- (n=36)

A-T-P+ (n=37)

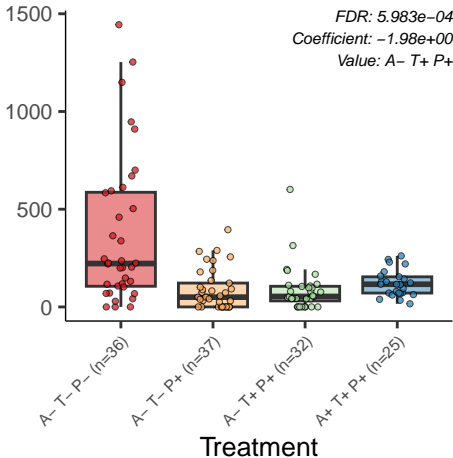
A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



Gemmobacter





Halomonas

*FDR: 6.542e-04*  
*Coefficient: 1.82e+00*  
*Value: A+ T+ P+*

A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

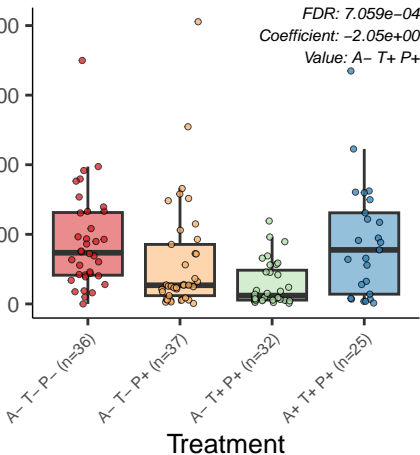
Treatment

100

50

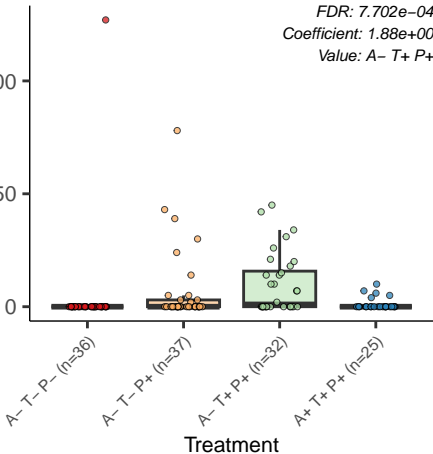
0

Crenobacter



Candidatus\_Berkiella

FDR: 7.702e-04  
Coefficient: 1.88e+00  
Value: A- T+ P+



Acinetobacter

1000

500

0

A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

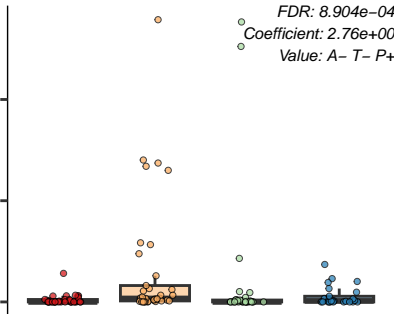
A+T+P+ (n=25)

Treatment

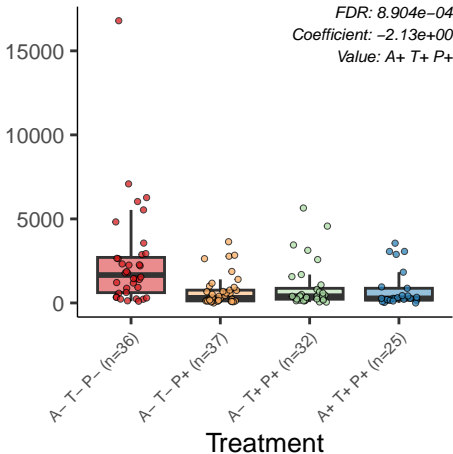
FDR:  $8.904e-04$

Coefficient:  $2.76e+00$

Value: A- T- P+



Paucibacter



X67.14\_Genus

*FDR: 9.228e-04*  
*Coefficient: 2.58e+00*  
*Value: A+ T+ P+*

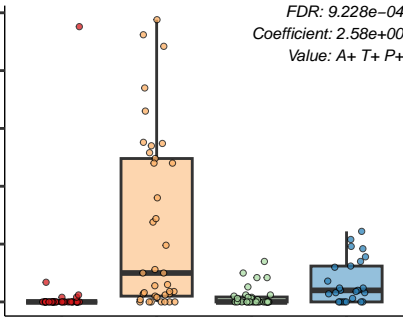
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



Polyangia\_Genus

FDR: 1.037e-03

Coefficient: -1.24e+00

Value: A- T+ P+

90

60

30

0

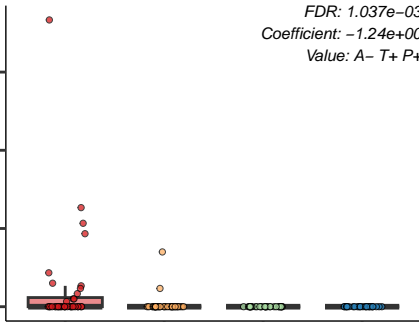
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment



Eremiobacteria\_Genus

FDR: 1.107e-03

Coefficient: -1.17e+00

Value: A- T- P+

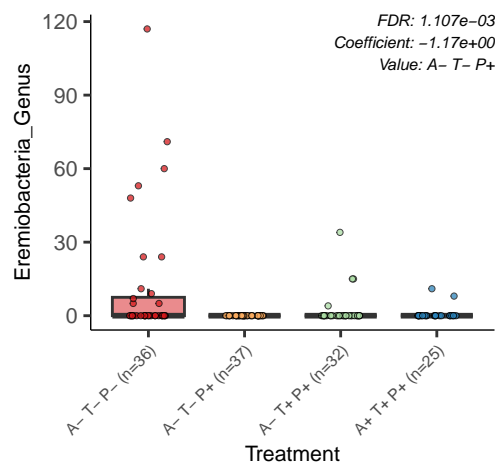
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment





Pirellulaceae\_Genus

*FDR: 1.273e-03*

*Coefficient: 1.59e+00*

*Value: A- T+ P+*

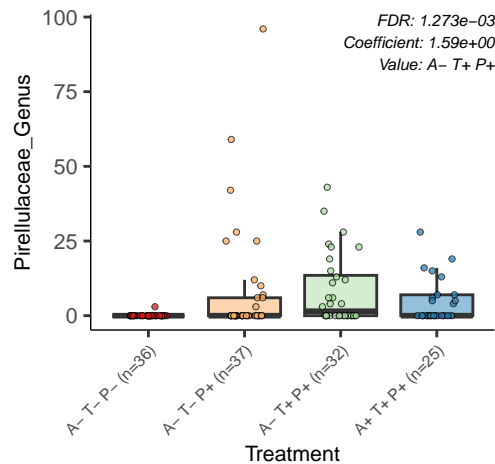
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment



Polymorphobacter

200  
150  
100  
50  
0

*FDR: 1.273e-03*  
*Coefficient: 2.25e+00*  
*Value: A- T+ P+*

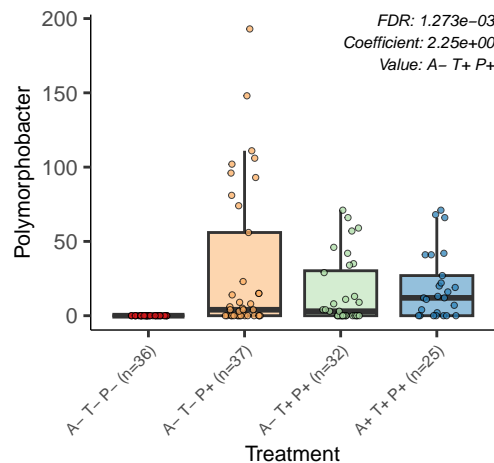
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment



Chitinimonas

*FDR: 1.273e-03*  
*Coefficient: 1.33e+00*  
*Value: A+ T+ P+*

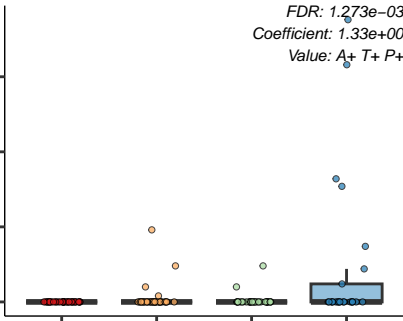
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment

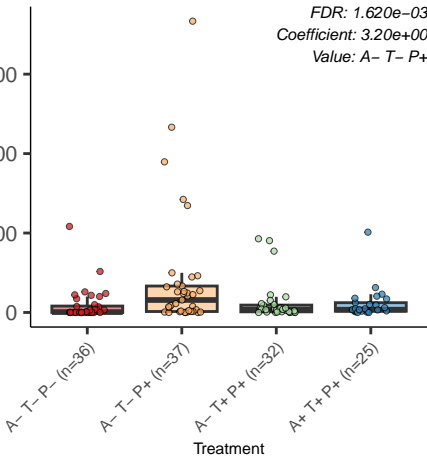


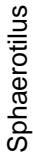
Hyphomicrobiales\_Incertae\_Sedis\_Genus

*FDR: 1.620e-03*

*Coefficient: 3.20e+00*

*Value: A- T- P+*





*FDR: 1.620e-03*

Coefficient:  $-2.77e+00$

Value: A- T- P+



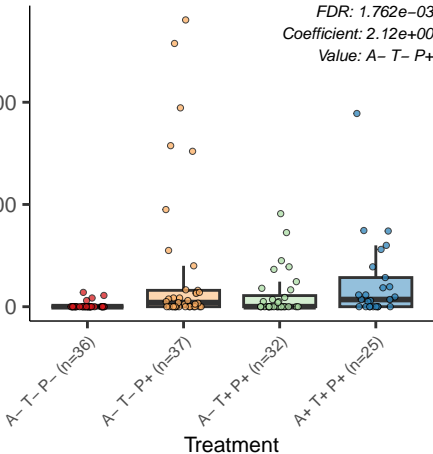
## Treatment

Rhodocyclaceae\_Genus

FDR: 1.762e-03

Coefficient: 2.12e+00

Value: A- T- P+



Chthoniobacter

100

50

0

A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

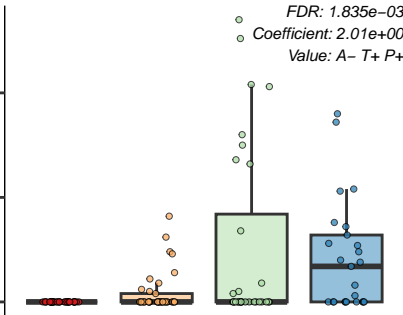
A+T+P+ (n=25)

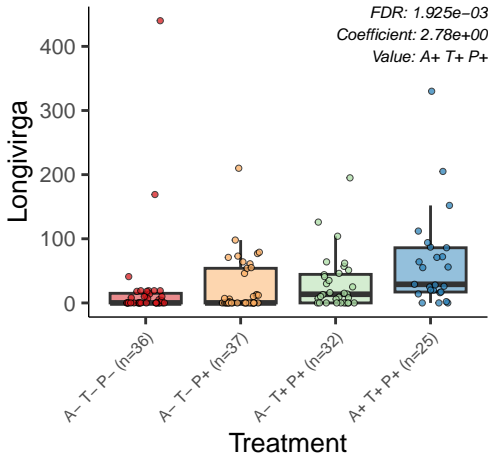
Treatment

*FDR: 1.835e-03*

*Coefficient: 2.01e+00*

*Value: A- T+ P+*

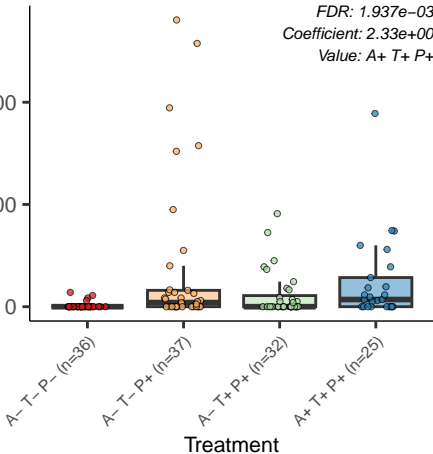




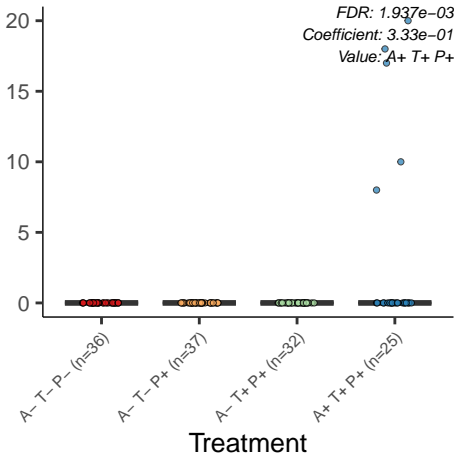


Rhodocyclaceae\_Genus

*FDR: 1.937e-03*  
*Coefficient: 2.33e+00*  
*Value: A+ T+ P+*



Acetivibrio



Polyangia\_Genus

FDR: 2.457e-03

Coefficient: -1.24e+00

Value: A+ T+ P+

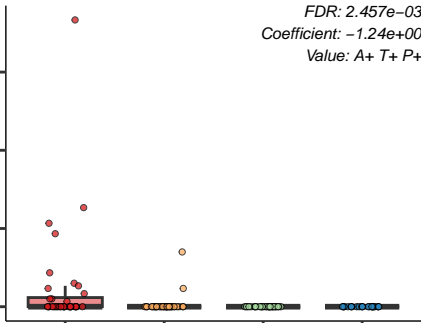
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment



Haliangiaceae\_Genus

*FDR: 2.457e-03*

*Coefficient: -3.86e+00*

*Value: A+ T+ P+*

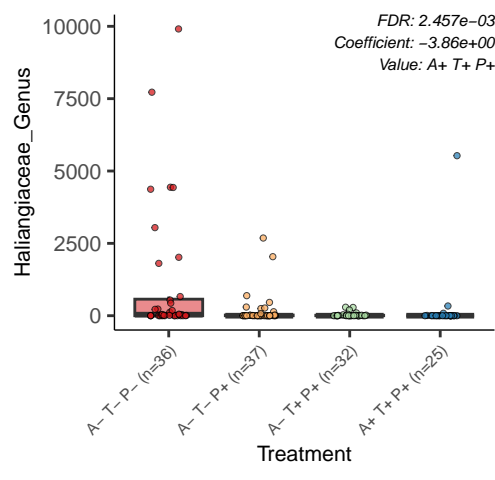
A- T- P- (n=36)

A- T- P+ (n=37)

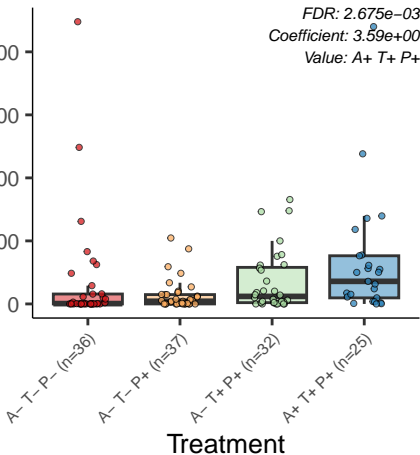
A- T+ P+ (n=32)

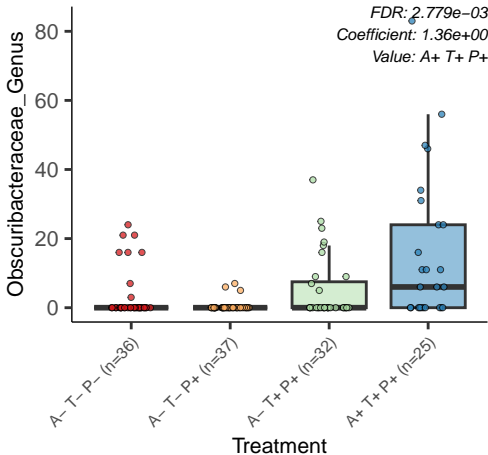
A+ T+ P+ (n=25)

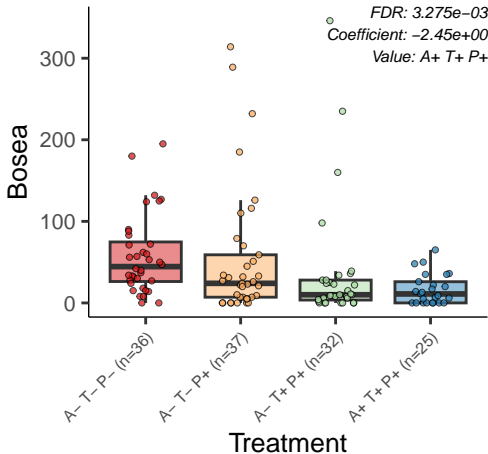
Treatment



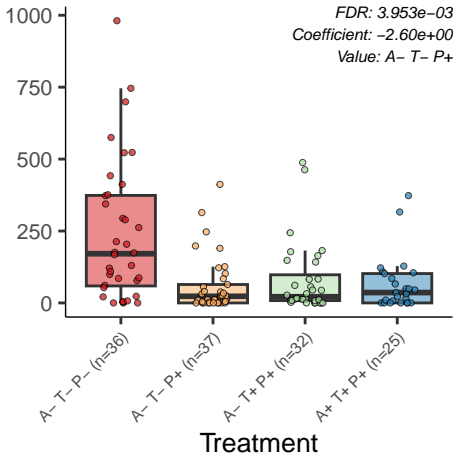
# Chryseotalea







Tundrisphaera





Phreatobacter

*FDR: 3.978e-03*

*Coefficient: -2.08e+00*

*Value: A- T+ P+*

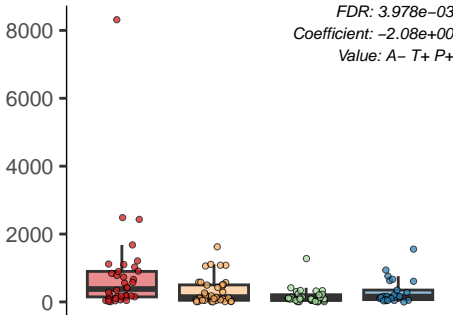
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment

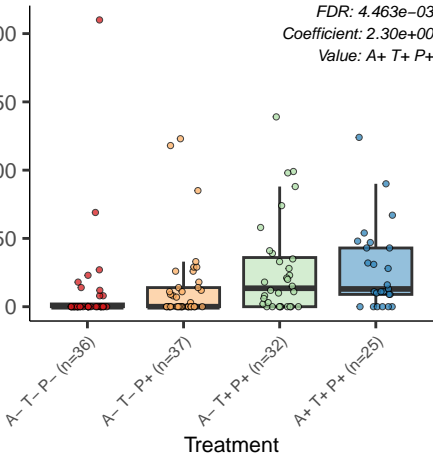


Chlamydiales\_Genus

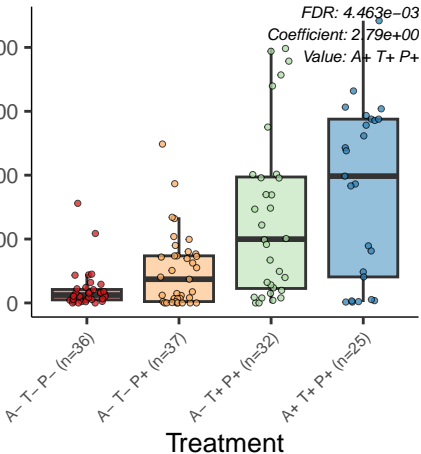
*FDR: 4.463e-03*

*Coefficient: 2.30e+00*

*Value: A+ T+ P+*

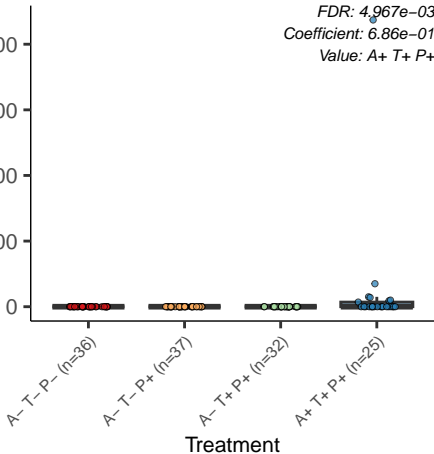


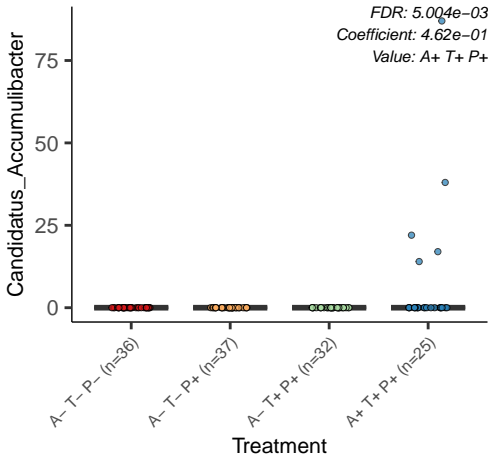
Shewanella



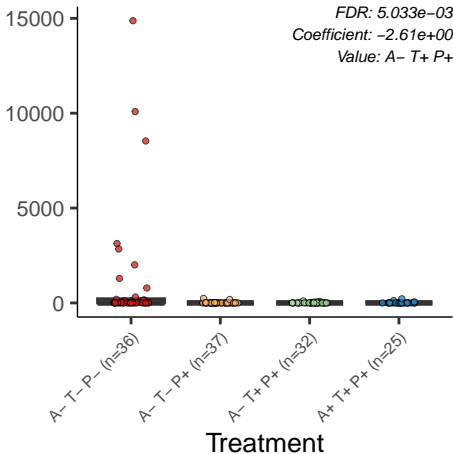
Uliginosibacterium

*FDR: 4.967e-03*  
*Coefficient: 6.86e-01*  
*Value: A+ T+ P+*

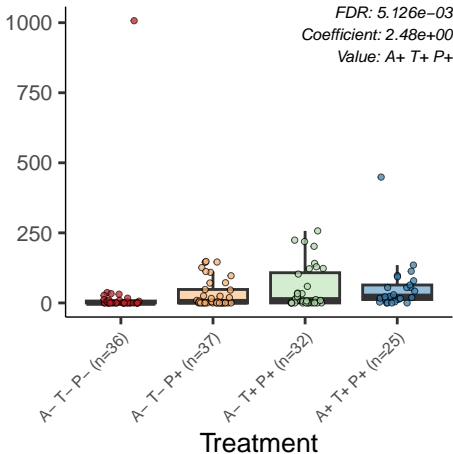




Sphaerotilus



SH3.11



Chitinivorax

*FDR: 5.529e-03*  
*Coefficient: 1.92e+00*  
*Value: A- T+ P+*

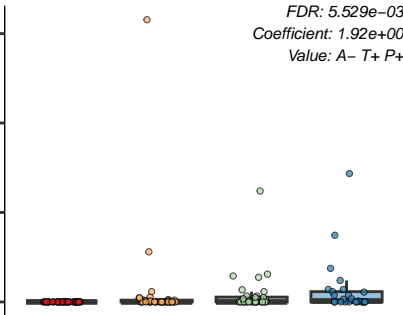
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment





Nocardia

7500

5000

2500

0

A-T-P- (n=36)

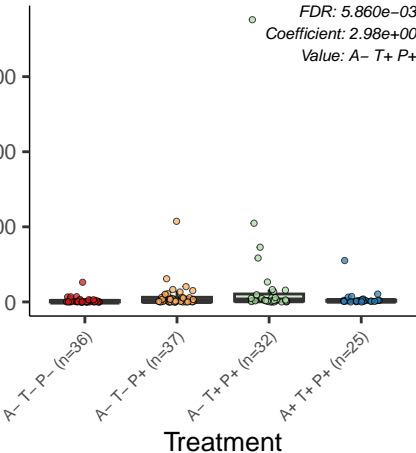
A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment

FDR: 5.860e-03  
Coefficient: 2.98e+00  
Value: A- T+ P+



Polyangia\_Genus

FDR: 6.086e-03

Coefficient: -1.03e+00

Value: A- T- P+

90

60

30

0

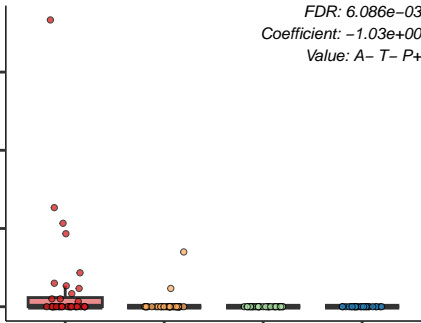
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment



Sphaerotilus

15000  
10000  
5000  
0

*FDR: 6.152e-03*  
*Coefficient: -2.74e+00*  
*Value: A+ T+ P+*

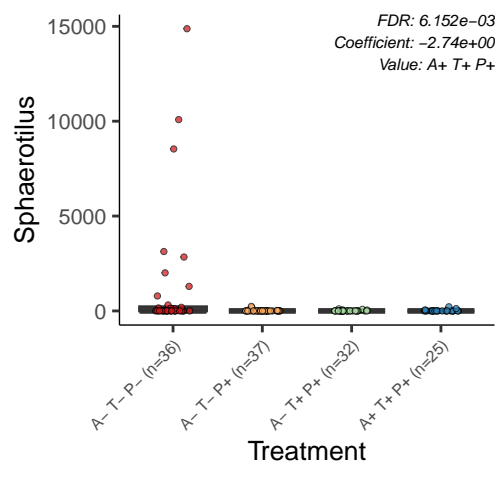
A-T-P- (n=36)

A-T-P+ (n=37)

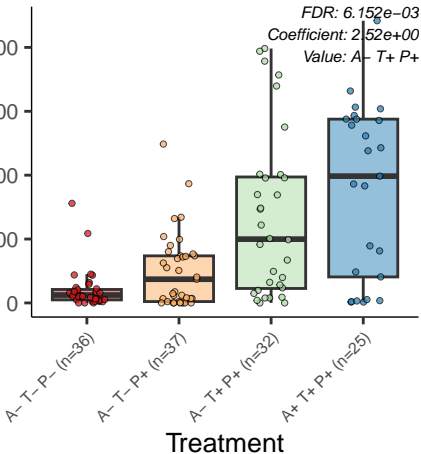
A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



Shewanella



Verrucomicrobiia\_Genus

200  
150  
100  
50  
0

*FDR: 6.152e-03*  
*Coefficient: -1.82e+00*  
*Value: A- T+ P+*

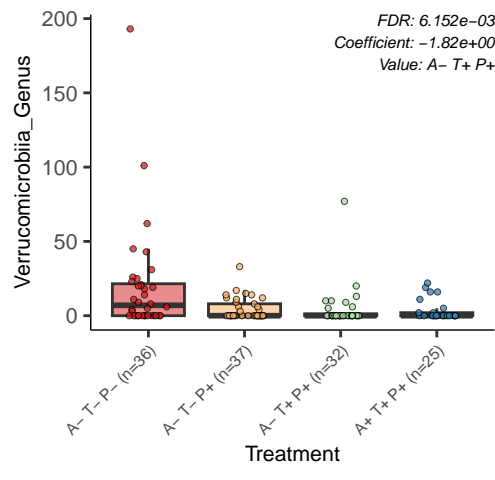
A- T- P- (n=36)

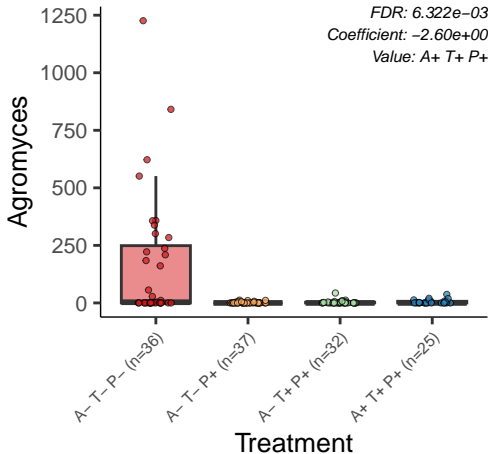
A- T- P+ (n=37)

A- T+ P+ (n=32)

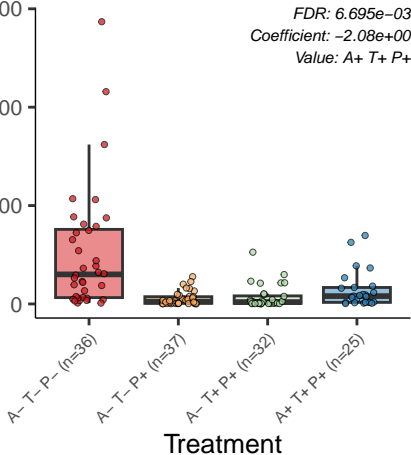
A+ T+ P+ (n=25)

Treatment





Culicoidibacter



Citrobacter

*FDR: 6.978e-03*  
*Coefficient: 1.19e+00*  
*Value: A- T- P+*

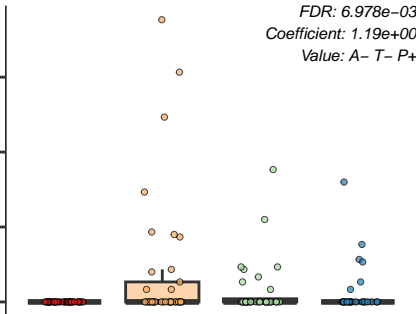
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



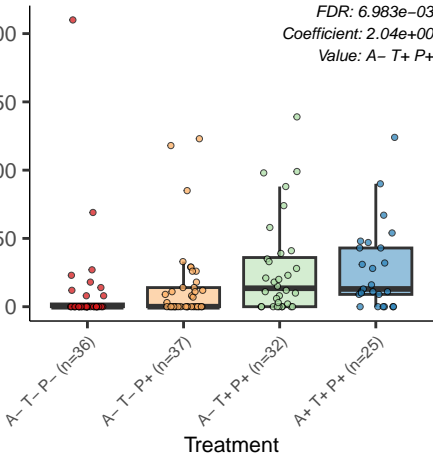


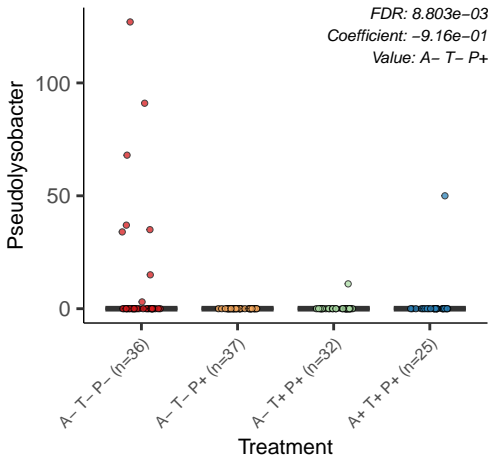
Chlamydiales\_Genus

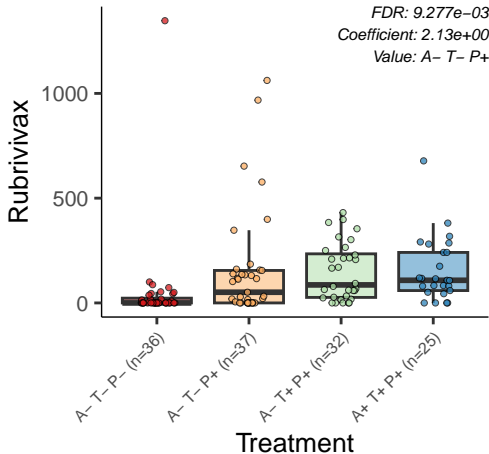
FDR: 6.983e-03

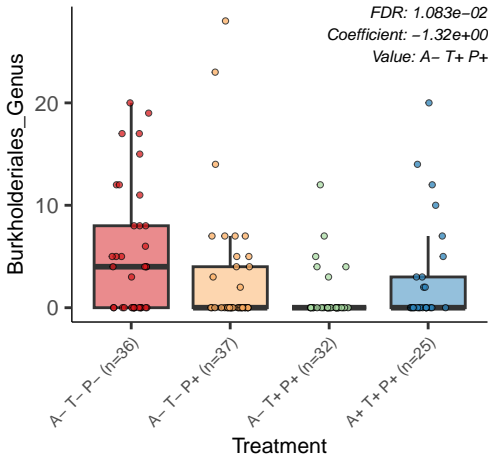
Coefficient: 2.04e+00

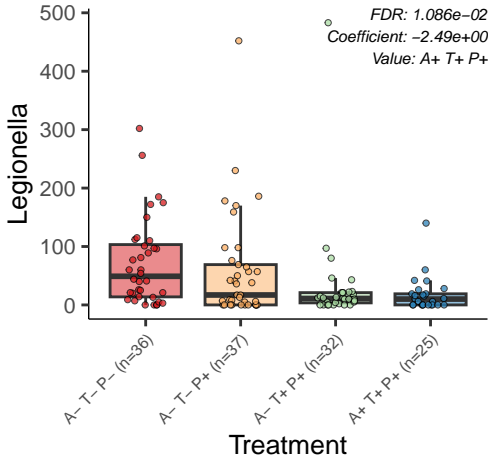
Value: A- T+ P+

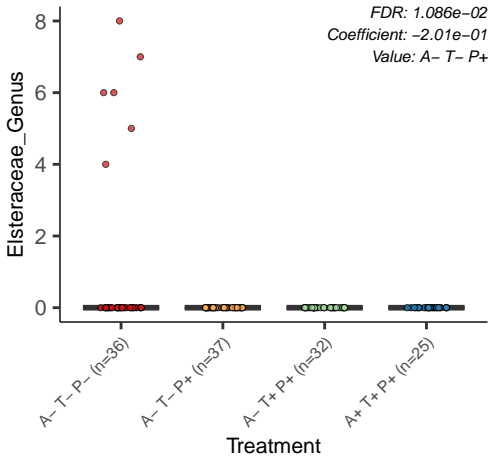




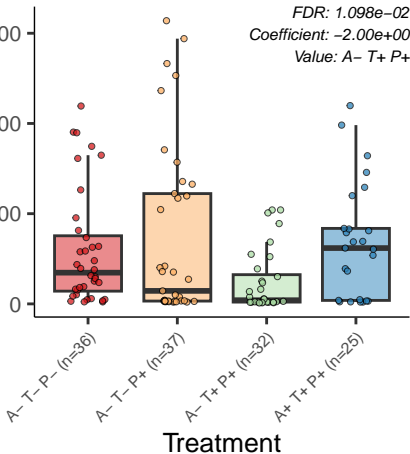




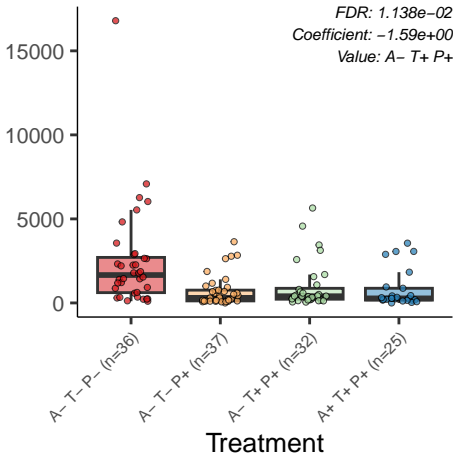




Cetobacterium



Paucibacter





Caulobacter

FDR: 1.257e-02

Coefficient: -1.30e+00

Value: A+ T+ P+

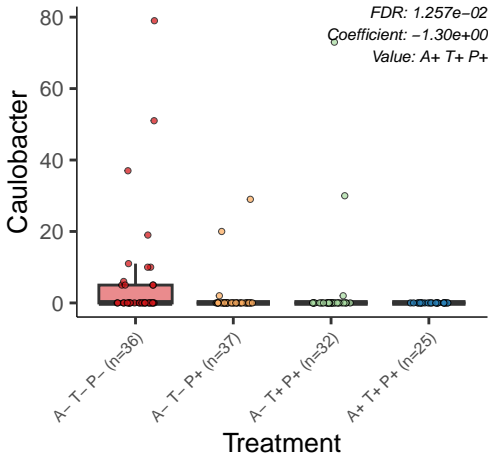
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment

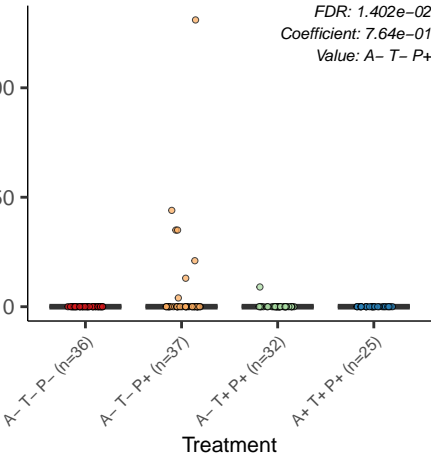


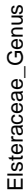


*FDR: 1.402e-02*

Coefficient: 7.64e-01

Value: A- T- P+

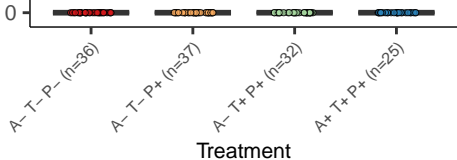




*FDR: 1.579e-02*

Coefficient:  $-2.01e-01$

Value:  $A- T+ P+$



Haliangiaceae\_Genus

*FDR: 1.601e-02*

*Coefficient: -3.01e+00*

*Value: A- T+ P+*

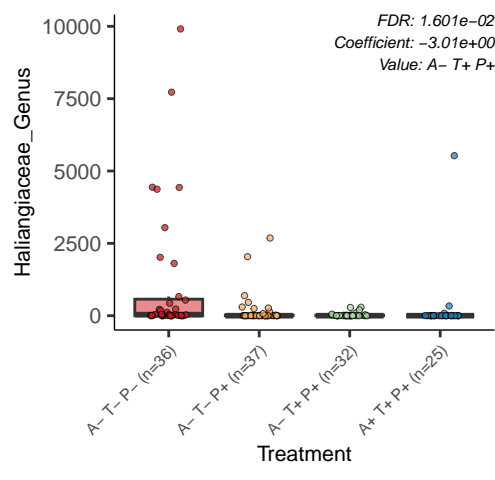
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment

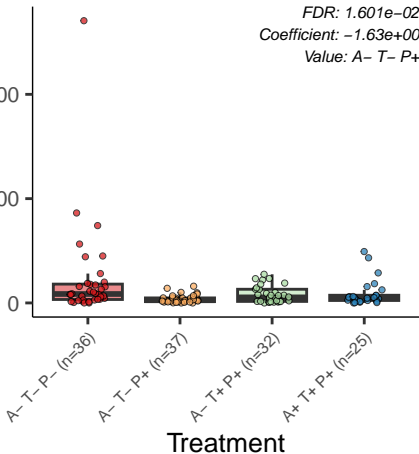


Chitinilyticum

*FDR: 1.601e-02*

*Coefficient: -1.63e+00*

*Value: A- T- P+*



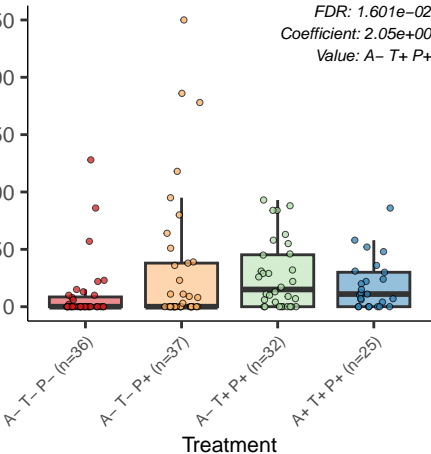
Treatment

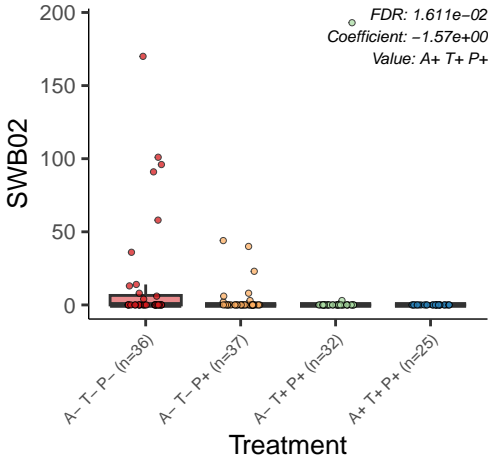
Microtrichales\_Genus

*FDR: 1.601e-02*

*Coefficient: 2.05e+00*

*Value: A- T+ P+*



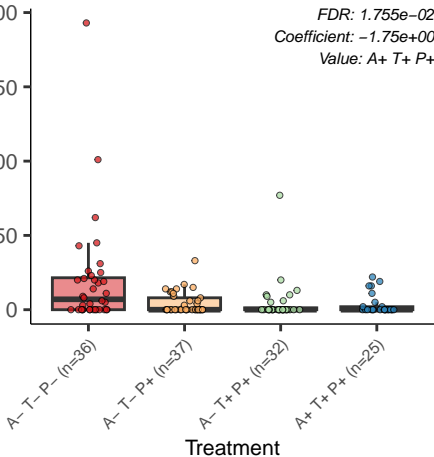


Verrucomicrobia\_Genus

FDR: 1.755e-02

Coefficient: -1.75e+00

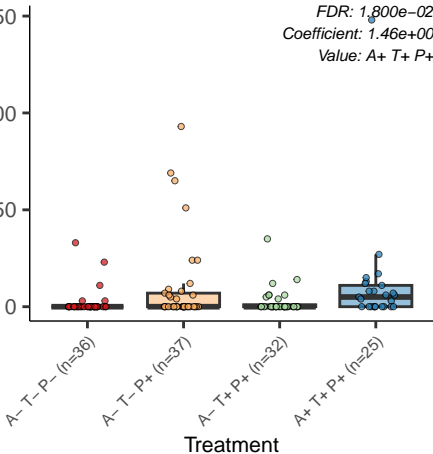
Value: A+ T+ P+



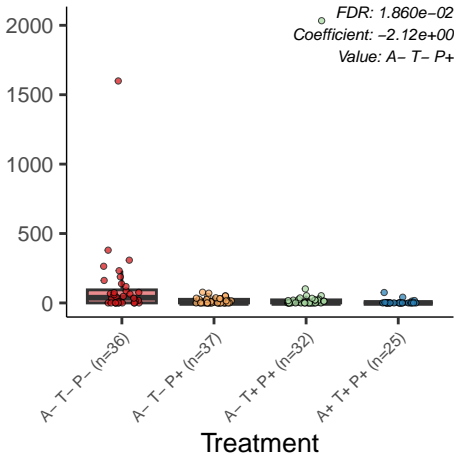


Candidatus\_Proteochlamydia

FDR: 1.800e-02  
Coefficient: 1.46e+00  
Value: A+ T+ P+



Rhizobium



Dinghuibacter

*FDR: 1.943e-02*

*Coefficient: -2.14e+00*

*Value: A- T- P+*

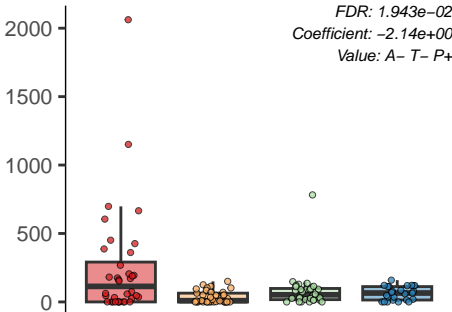
A-T-P- (n=36)

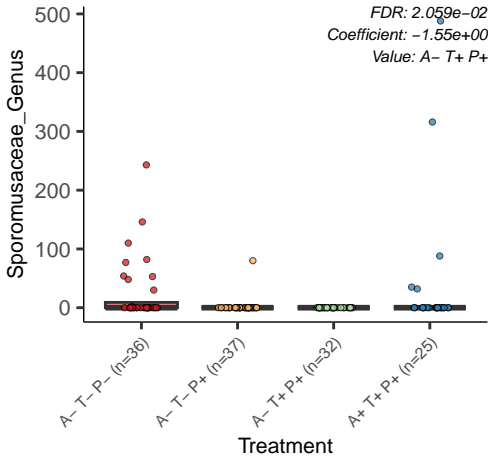
A-T-P+ (n=37)

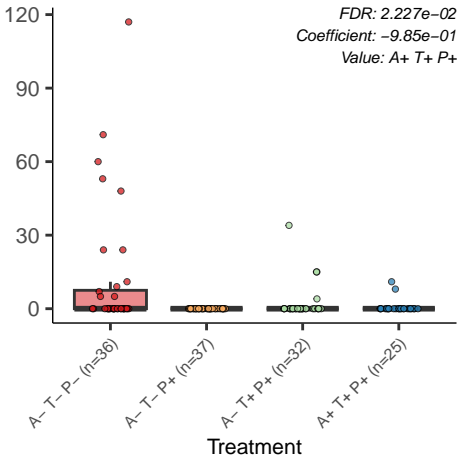
A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment







Pirellulaceae\_Genus

*FDR: 2.270e-02*

*Coefficient: 1.17e+00*

*Value: A- T- P+*

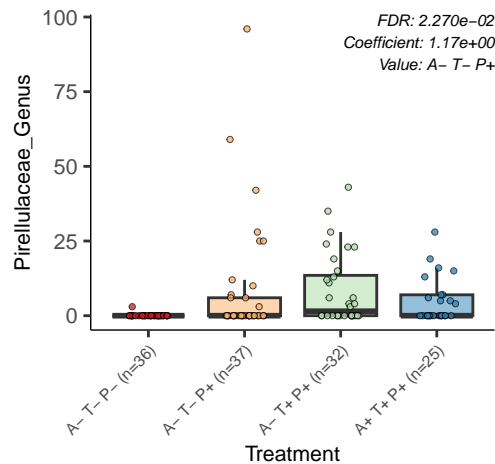
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

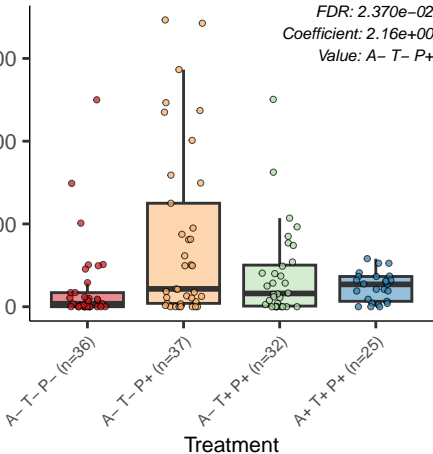
A+ T+ P+ (n=25)

Treatment

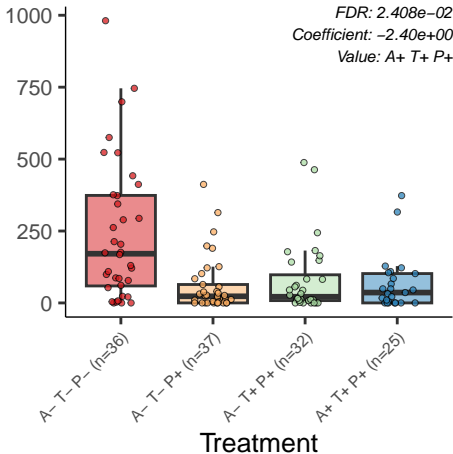


Gemmataceae\_Genus

*FDR: 2.370e-02*  
*Coefficient: 2.16e+00*  
*Value: A- T- P+*



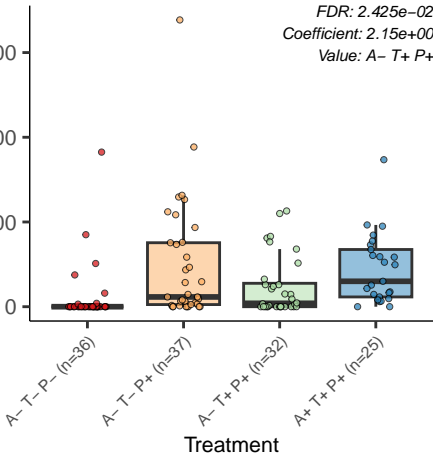
Tundrisphaera

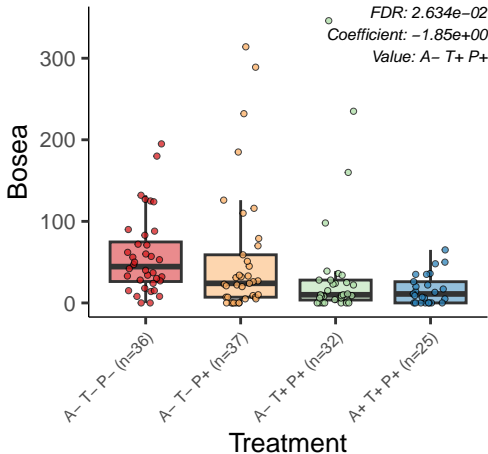




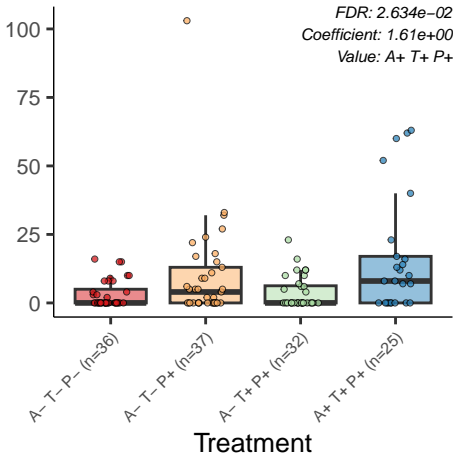
Vampiromicrobionaceae\_Genus

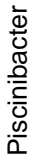
*FDR: 2.425e-02*  
*Coefficient: 2.15e+00*  
*Value: A- T+ P+*





Roseicella





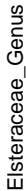
*FDR: 2.752e-02*

Coefficient:  $-6.95e-01$

Value: A- T+ P+



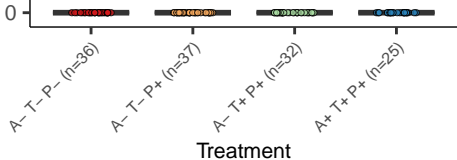
## Treatment



*FDR: 2.752e-02*

Coefficient:  $-2.01e-01$

Value: A+ T+ P+

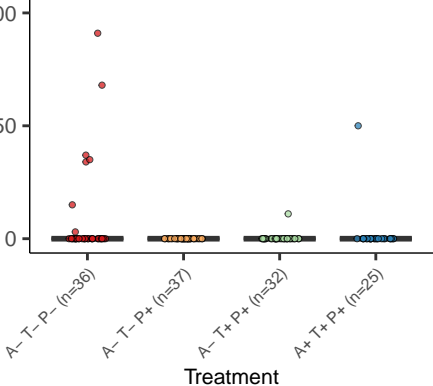


Pseudolysobacter

*FDR: 2.779e-02*

*Coefficient: -8.35e-01*

*Value: A- T+ P+*



Aurantisolimonas

*FDR: 2.816e-02*

*Coefficient: -2.04e+00*

*Value: A- T- P+*

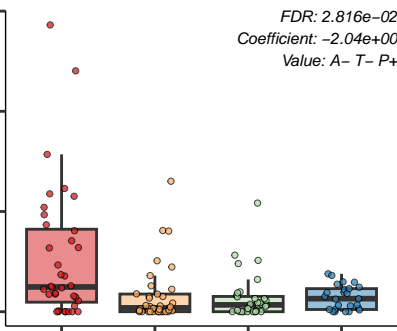
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment



Bradyrhizobium

FDR: 2.944e-02  
Coefficient: -1.91e+00  
Value: A- T+ P+

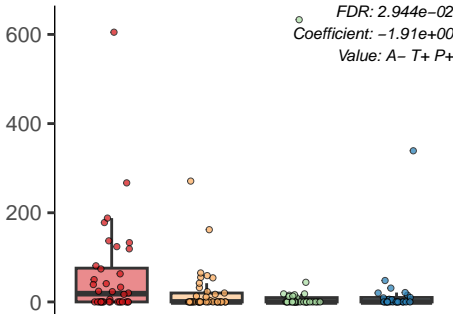
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

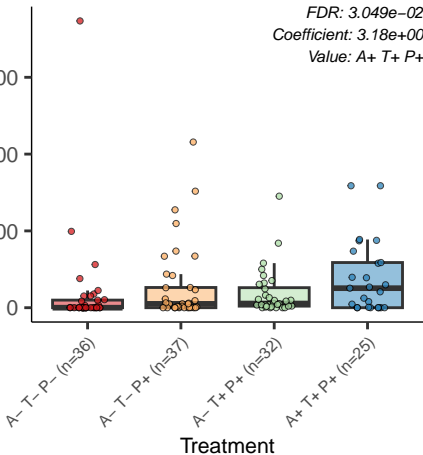
Treatment





env.OPS\_17\_Genus

*FDR: 3.049e-02*  
*Coefficient: 3.18e+00*  
*Value: A+ T+ P+*



Pseudorhodoplanes

*FDR: 3.052e-02*

*Coefficient: 1.33e+00*

*Value: A+ T+ P+*

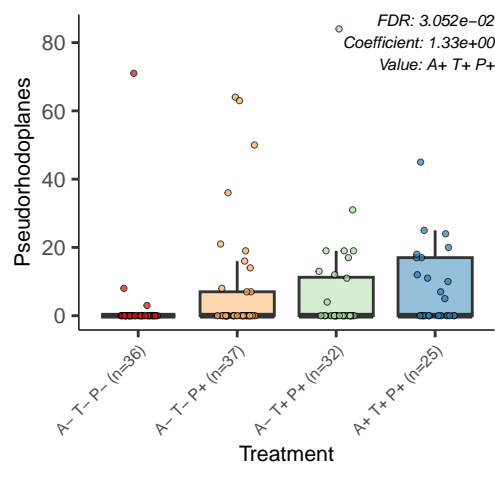
A- T- P- (n=36)

A- T- P+ (n=37)

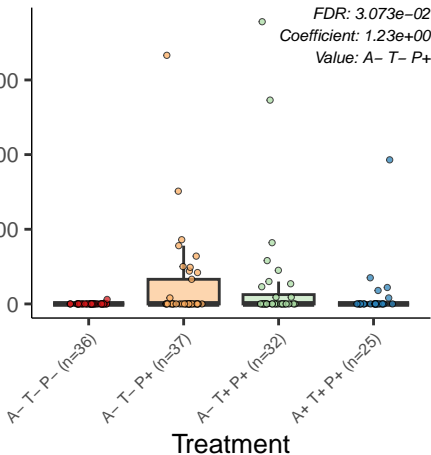
A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment



Azospira

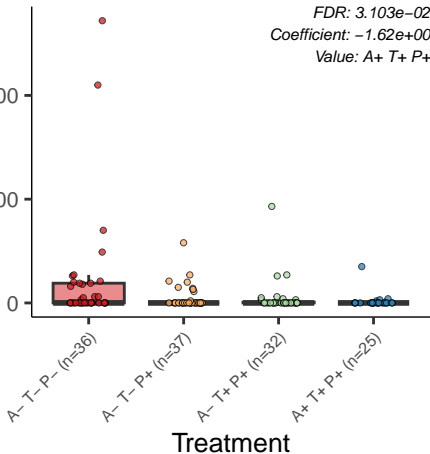


Agitococcus

FDR: 3.103e-02

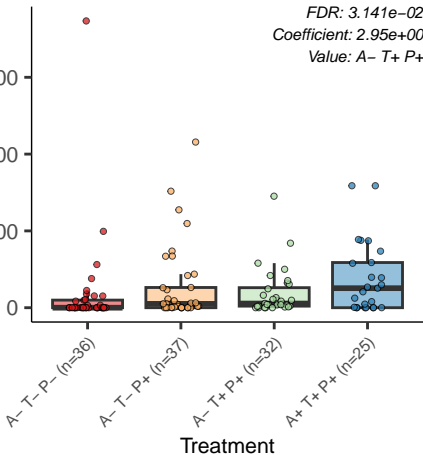
Coefficient: -1.62e+00

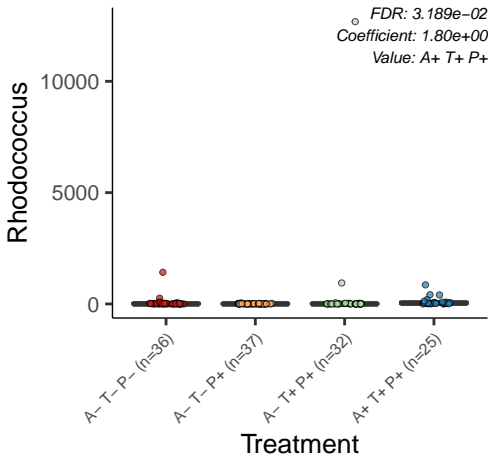
Value: A+ T+ P+



env.OPS\_17\_Genus

*FDR: 3.141e-02*  
*Coefficient: 2.95e+00*  
*Value: A- T+ P+*



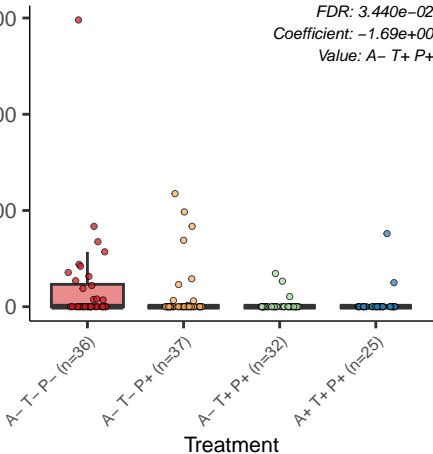


Sediminibacterium

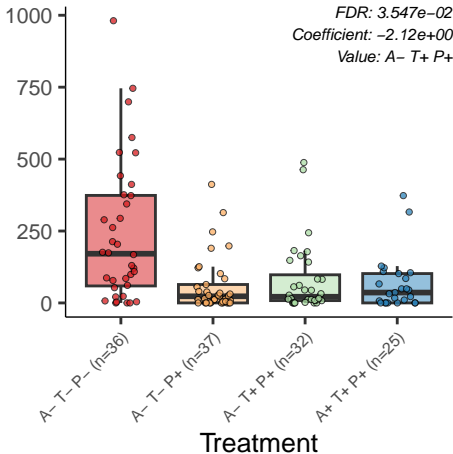
*FDR: 3.440e-02*

*Coefficient: -1.69e+00*

*Value: A- T+ P+*



# Tundrisphaera





Candidatus\_Paracaeidibacter

FDR: 3.752e-02  
Coefficient: -8.45e-01  
Value: A- T+ P+

A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

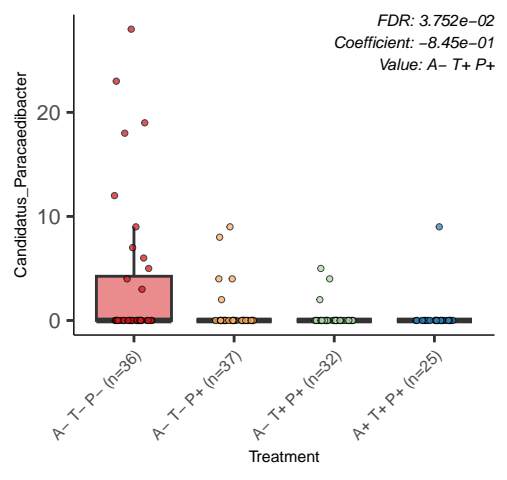
A+ T+ P+ (n=25)

Treatment

20

10

0

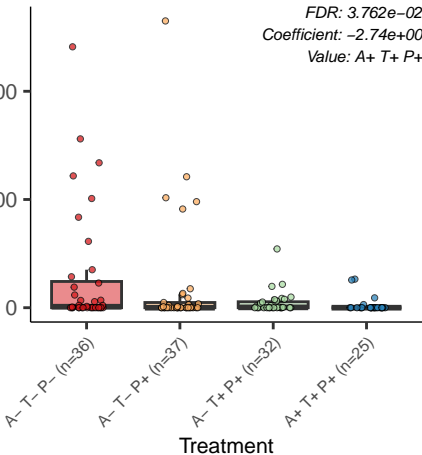


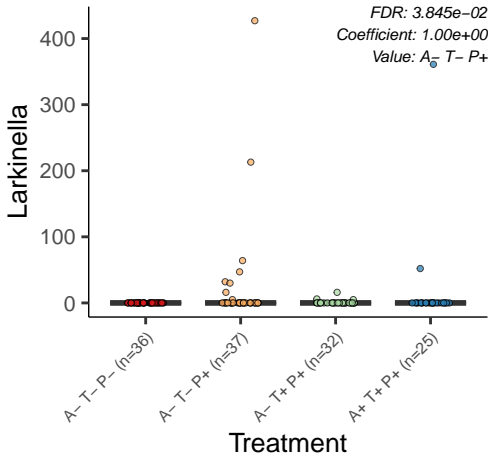
Bacteroidia\_Genus

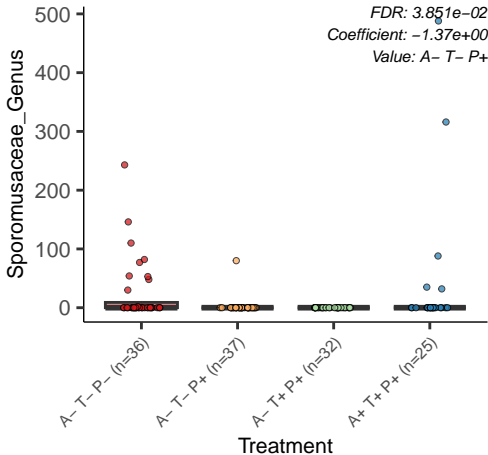
FDR: 3.762e-02

Coefficient: -2.74e+00

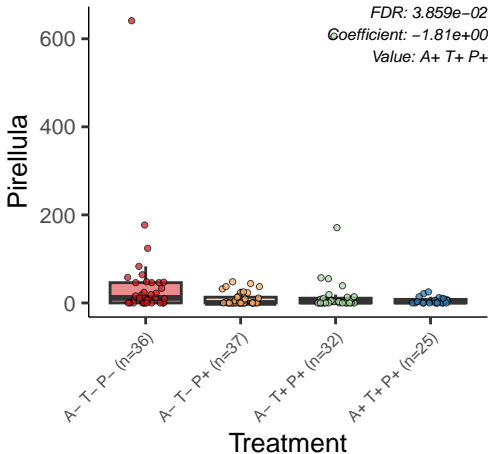
Value: A+ T+ P+



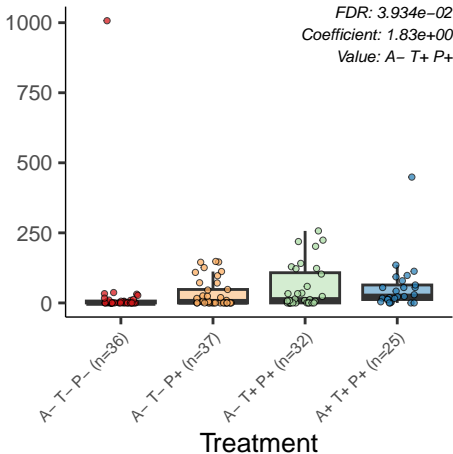


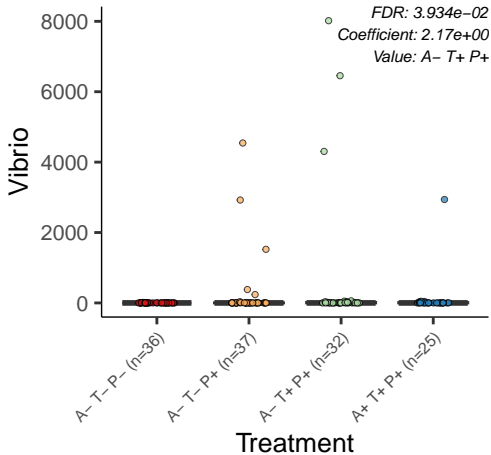






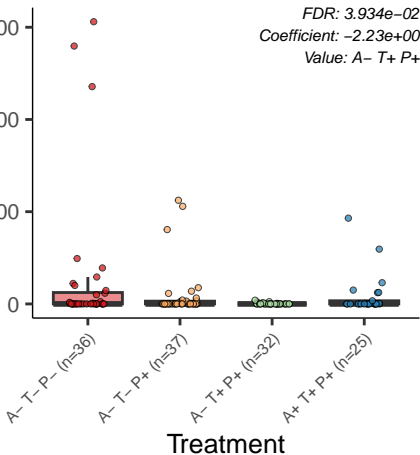
SH3.11







Elstera



Caulobacter

FDR: 4.013e-02

Coefficient: -1.00e+00

Value: A- T- P+

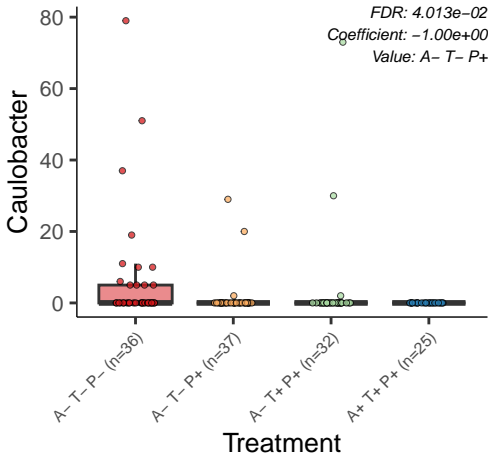
A- T- P- (n=36)

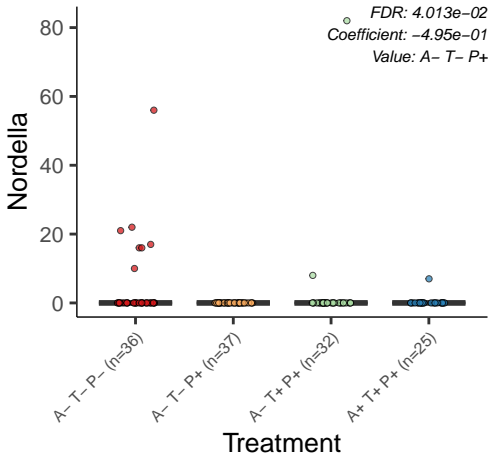
A- T+ P+ (n=37)

A+ T- P+ (n=32)

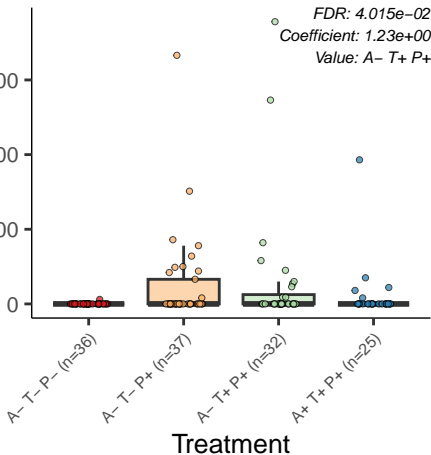
A+ T+ P+ (n=25)

Treatment





Azospira



Piscinibacter

FDR: 4.317e-02

Coefficient: -6.95e-01

Value: A+ T+ P+

100

50

0

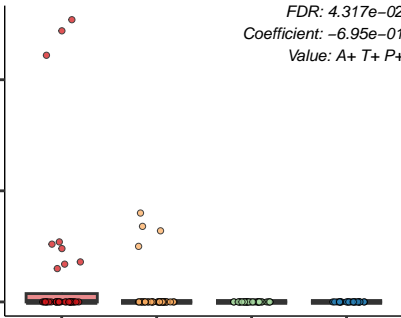
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



Pirellulaceae\_Genus

*FDR: 4.553e-02*

*Coefficient: 1.17e+00*

*Value: A+ T+ P+*

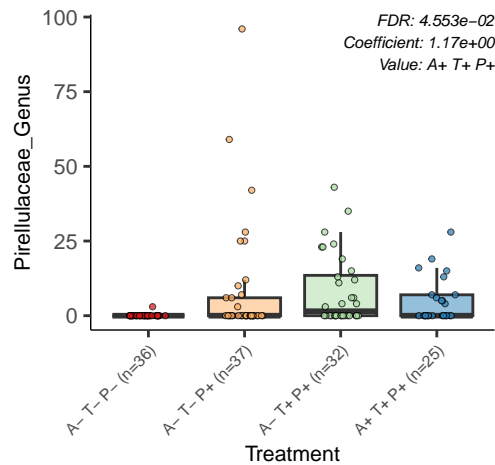
A-T-P- (n=36)

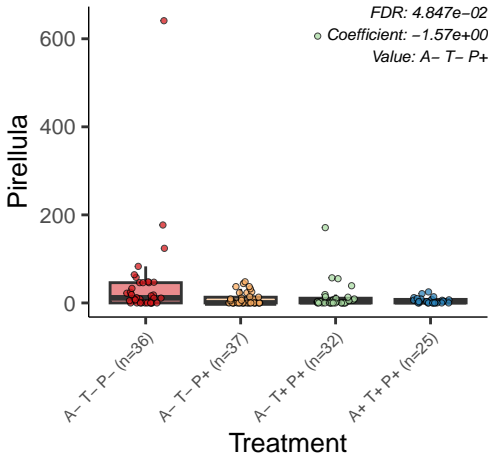
A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment





Verrucomicrobiia\_Genus

200  
150  
100  
50  
0

*FDR: 4.847e-02*  
*Coefficient: -1.37e+00*  
*Value: A- T- P+*

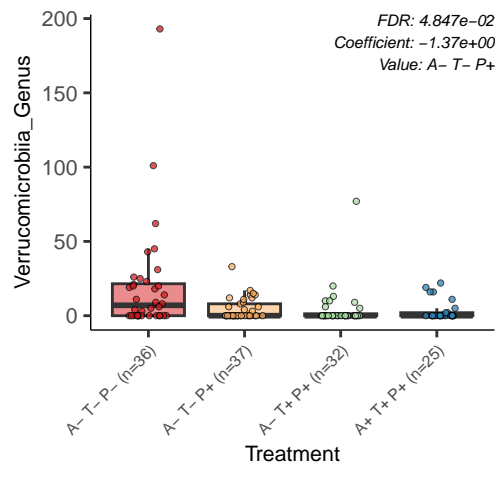
A- T- P- (n=36)

A- T- P+ (n=37)

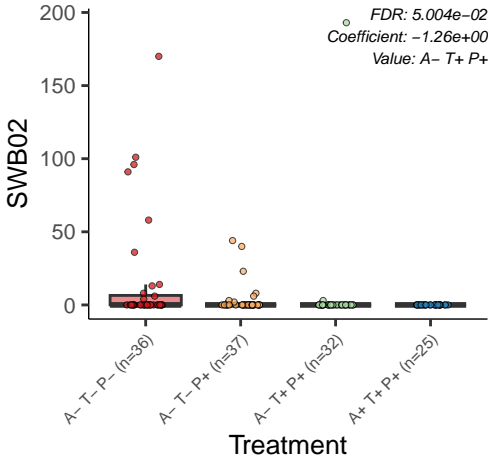
A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment









FDR: 5.004e-02

Coefficient: 3.02e-01

Value: A+ T+ P+



A-T-P-(n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

## Treatment

Beijerinckiaceae\_Genus

FDR:  $5.081e-02$

Coefficient:  $9.60e-01$

Value: A+ T+ P+

100

50

0

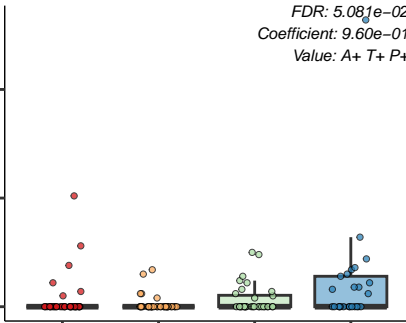
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



alpha\_cluster

FDR: 5.145e-02  
Coefficient: 1.47e+00  
Value: A- T- P+

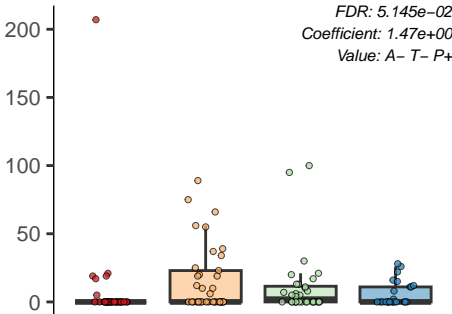
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



Eremiobacteria\_Genus

FDR: 5.461e-02

Coefficient: -8.06e-01

Value: A- T+ P+

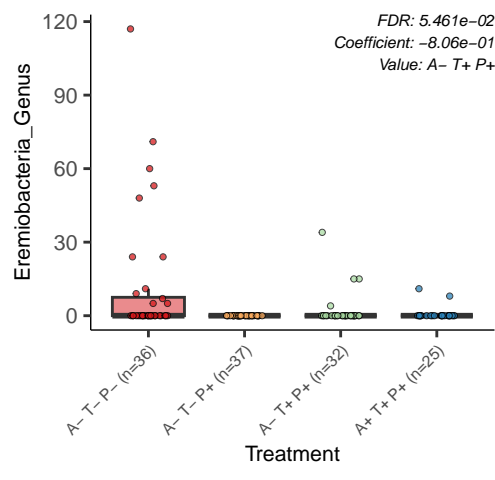
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment



Fundidesulfovibrio

*FDR: 5.487e-02*  
*Coefficient: 4.27e-01*  
*Value: A+ T+ P+*

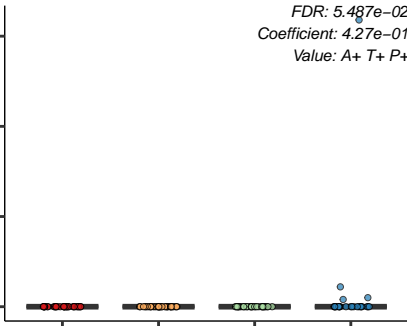
A- T- P- (n=36)

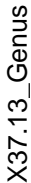
A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment

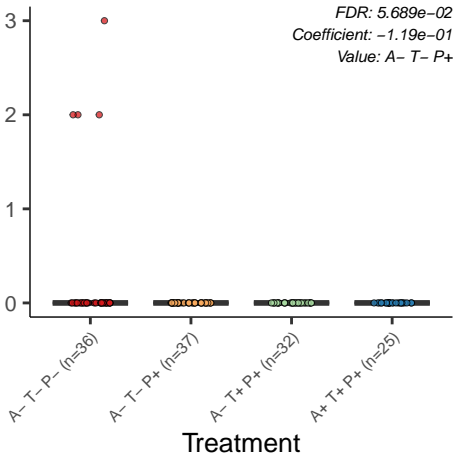




*FDR: 5.689e-02*

Coefficient:  $-1.19e-01$

Value: A- T- P+

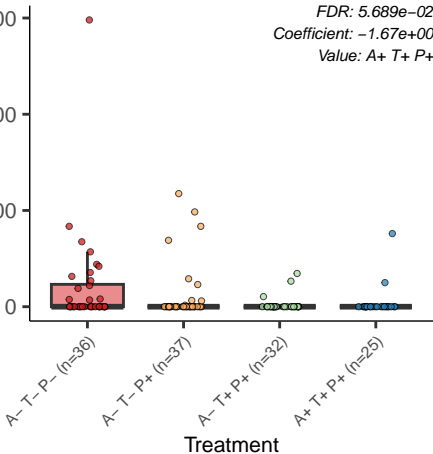


Sediminibacterium

FDR: 5.689e-02

Coefficient: -1.67e+00

Value: A+ T+ P+





Neochlamydia

FDR: 6.071e-02

Coefficient: -9.32e-01

Value: A- T+ P+

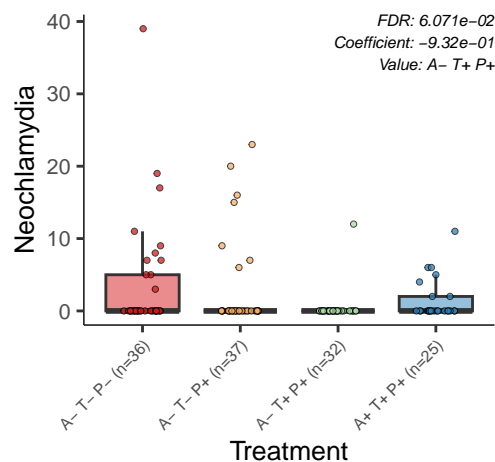
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



Mesorhizobium

*FDR: 6.071e-02*  
*Coefficient: 1.03e+00*  
*Value: A- T- P+*

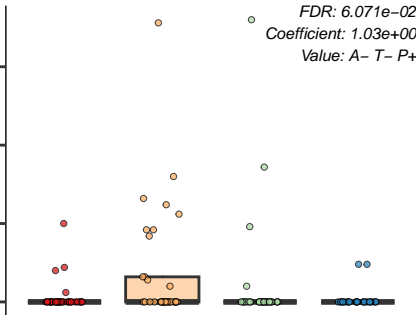
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment



Aurantisolimonas

*FDR: 6.113e-02*

*Coefficient: -1.88e+00*

*Value: A- T+ P+*

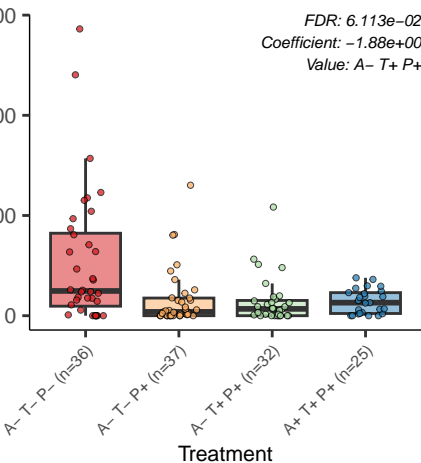
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment



Reyranella

*FDR: 6.544e-02*  
*Coefficient: 1.52e+00*  
*Value: A+ T+ P+*

A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment

150

100

50

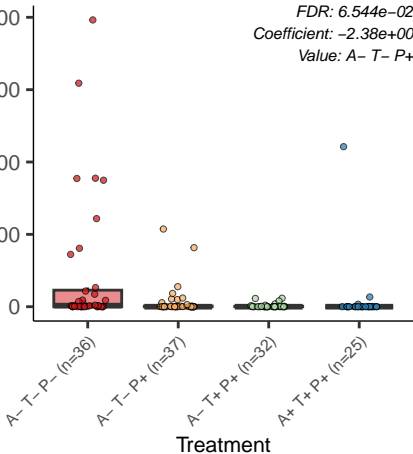
0

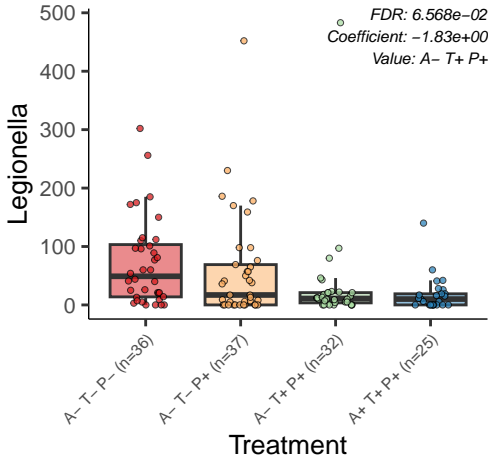
Haliangiaceae\_Genus

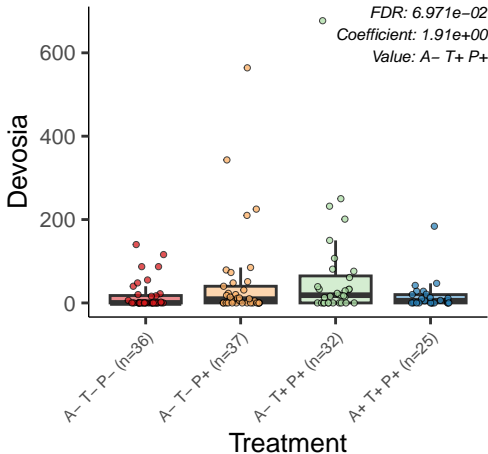
FDR: 6.544e-02

Coefficient: -2.38e+00

Value: A- T- P+





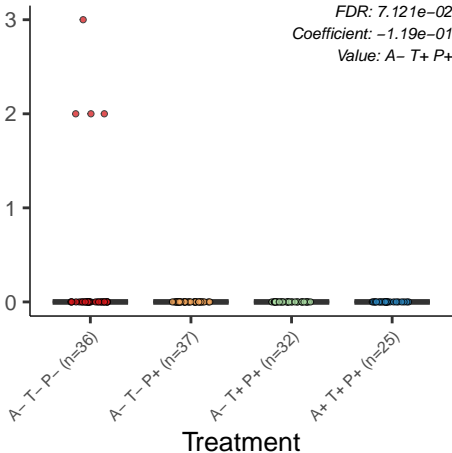


X37.13\_Genus

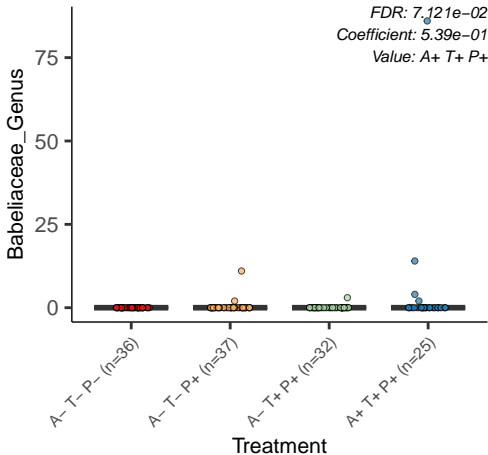
FDR: 7.121e-02

Coefficient: -1.19e-01

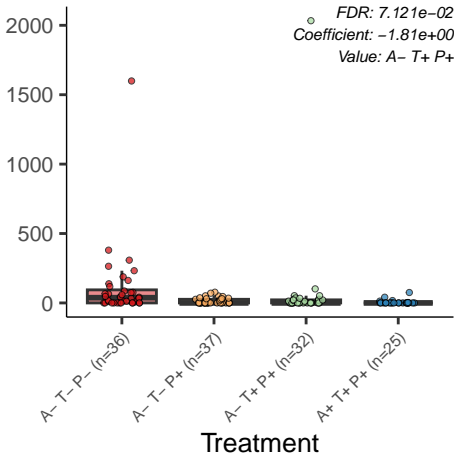
Value: A- T+ P+

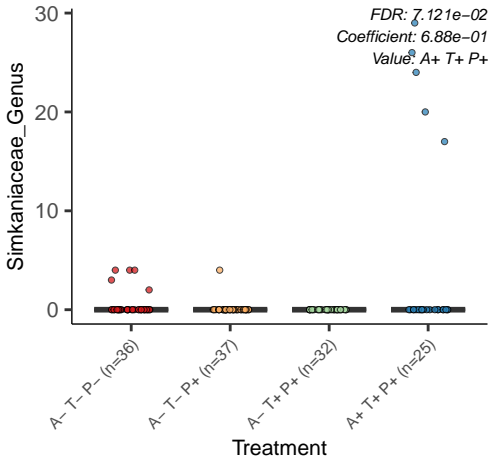


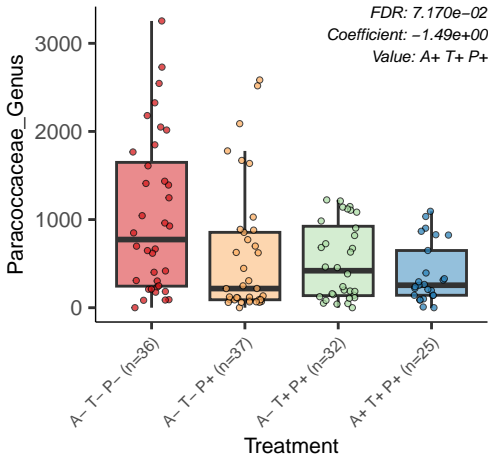


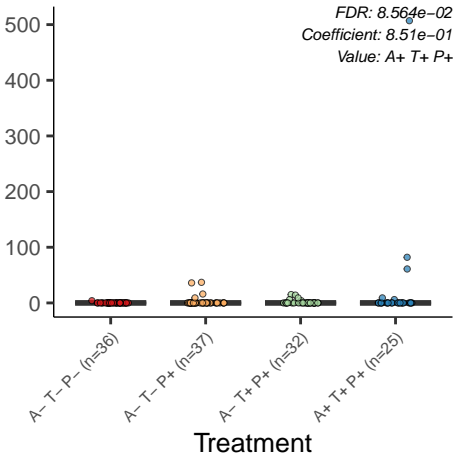


Rhizobium

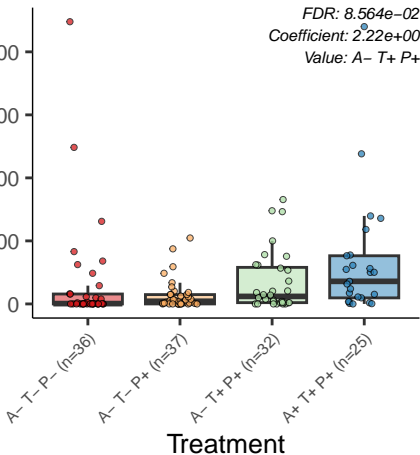








# Chryseotalea



Phaselicystis

*FDR: 8.666e-02*

*Coefficient: -7.05e-01*

*Value: A- T+ P+*

A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment

100

50

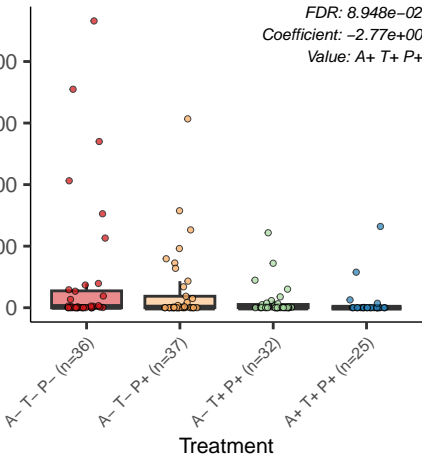
0

Cytophagales\_Genus

*FDR: 8.948e-02*

*Coefficient: -2.77e+00*

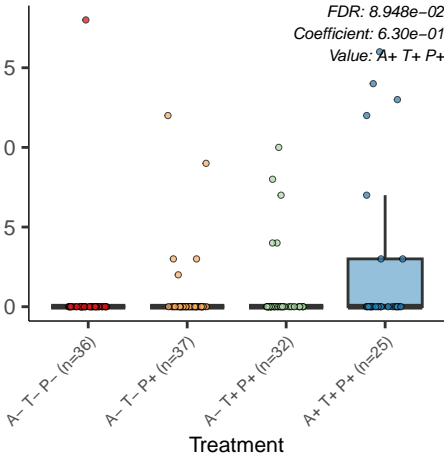
*Value: A+ T+ P+*





Sporichthyaceae\_Genus

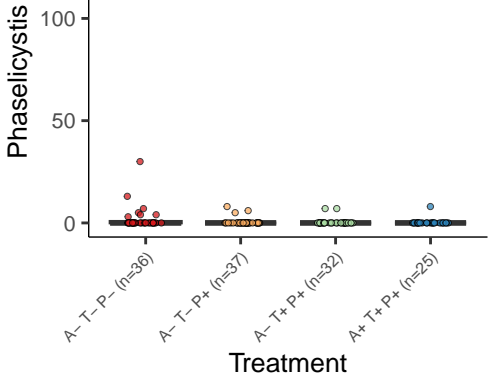
FDR: 8.948e-02  
Coefficient: 6.30e-01  
Value: A+ T+ P+

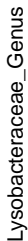


FDR: 9.061e-02

Coefficient:  $-7.49e-01$

Value: A+ T+ P+

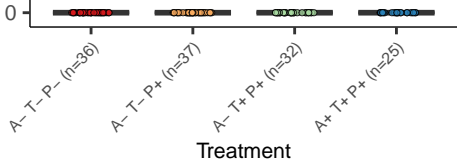




FDR: 9.191e-02

Coefficient: 2.86e-01

Value: A+ T+ P+

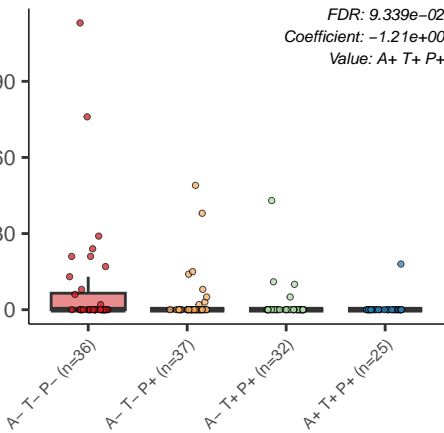


Sandaracinaceae\_Genus

FDR: 9.339e-02

Coefficient: -1.21e+00

Value: A+ T+ P+



Treatment

Dechlorobacter

*FDR: 9.339e-02*  
*Coefficient: 7.31e-01*  
*Value: A- T- P+*

400

200

0

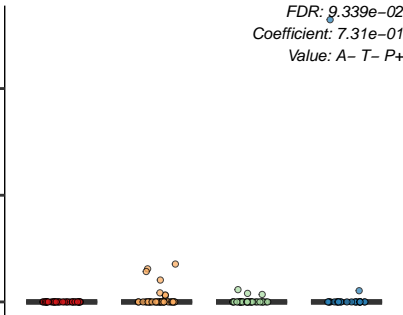
A-T-P- (n=36)

A-T-P+ (n=37)

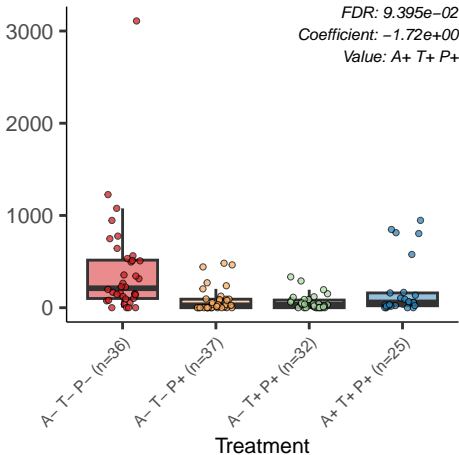
A-T+P+ (n=32)

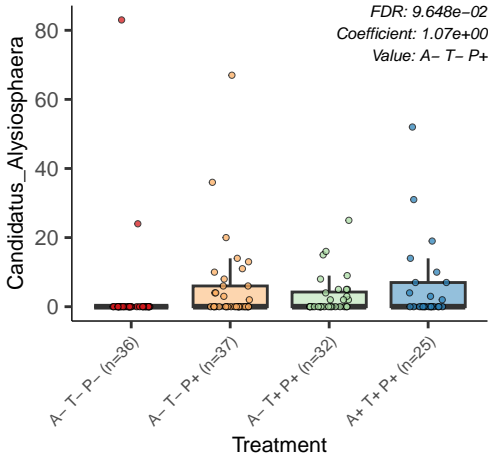
A+T+P+ (n=25)

Treatment



Paenirhodobacter





Barnesiellaceae\_Genus

FDR: 9.648e-02

Coefficient: -6.30e-01

Value: A+ T+ P+

10

5

0

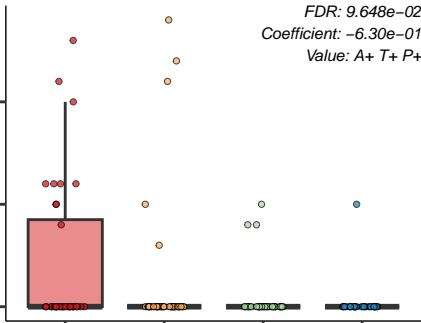
A- T- P- (n=36)

A- T- P+ (n=37)

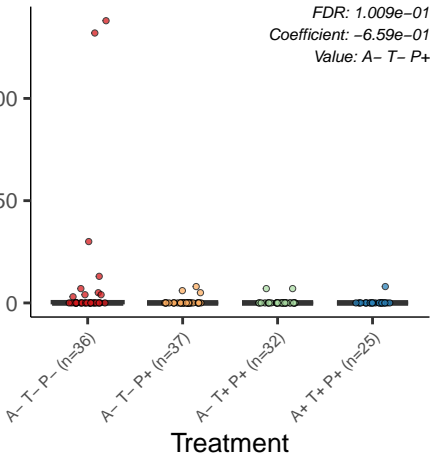
A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment







Luteolibacter

*FDR: 1.017e-01*  
*Coefficient: 1.38e+00*  
*Value: A- T- P+*

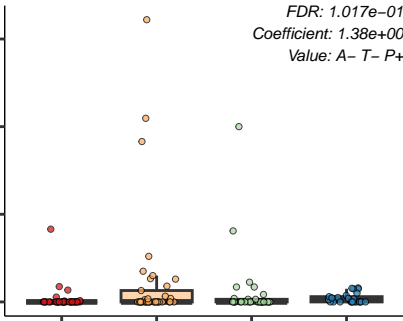
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



NS9\_marine\_group\_Genus

*FDR: 1.026e-01*  
*Coefficient: 1.77e+00*  
*Value: A- T+ P+*

200

100

0

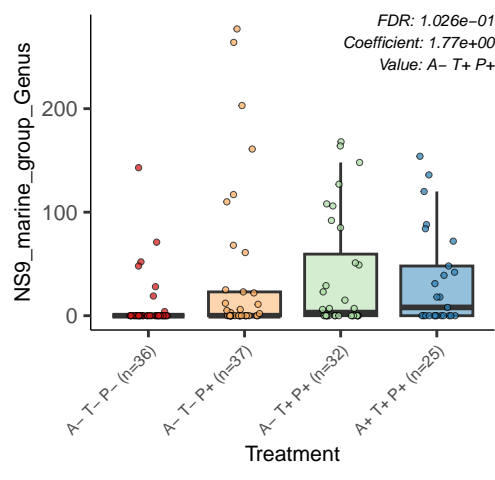
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment



Candidatus\_Proteochlamydia

FDR: 1.026e-01  
Coefficient: 1.01e+00  
Value: A- T- P+

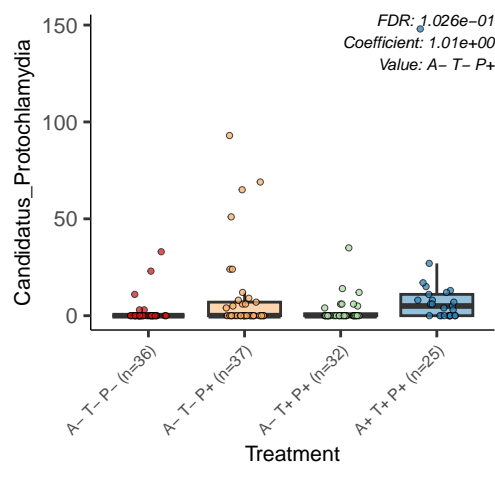
A- T- P- (n=36)

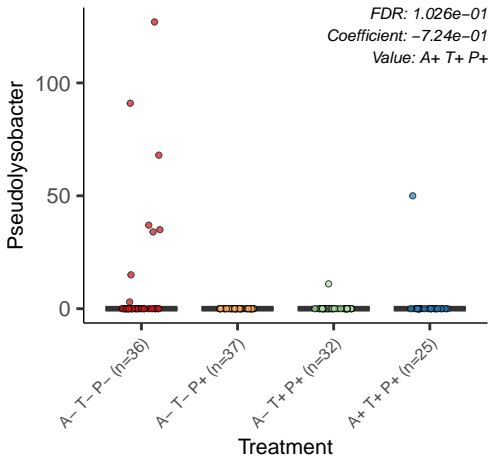
A- T- P+ (n=37)

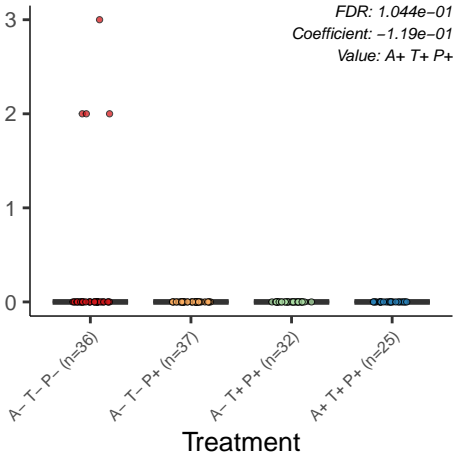
A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment







Chitinibacter

*FDR: 1.051e-01*  
*Coefficient: 8.91e-01*  
*Value: A- T+ P+*

A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

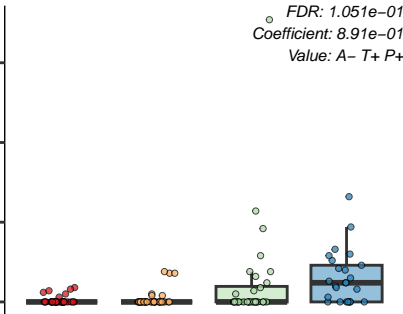
Treatment

150

100

50

0



NS9\_marine\_group\_Genus

*FDR: 1.051e-01*

*Coefficient: 1.89e+00*

*Value: A+ T+ P+*

200

100

0

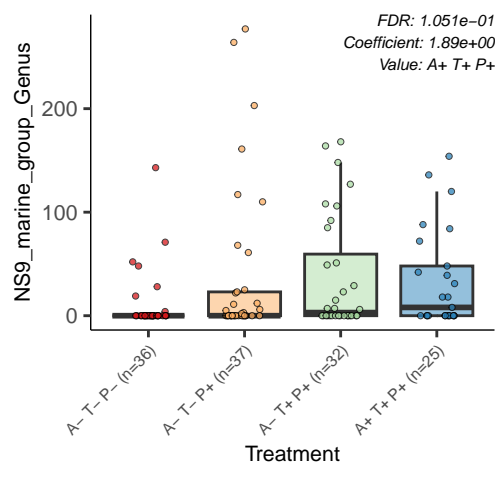
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



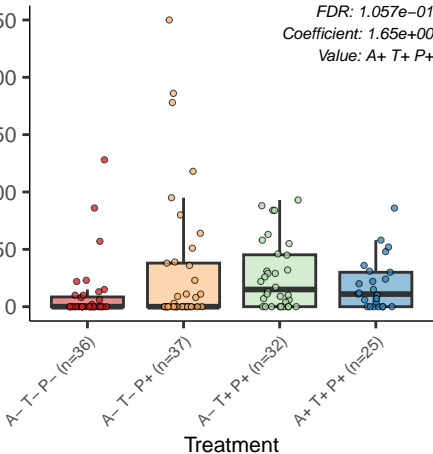


Microtrichales\_Genus

*FDR: 1.057e-01*

*Coefficient: 1.65e+00*

*Value: A+ T+ P+*



Caulobacter

FDR: 1.120e-01

Coefficient: -8.76e-01

Value: A- T+ P+

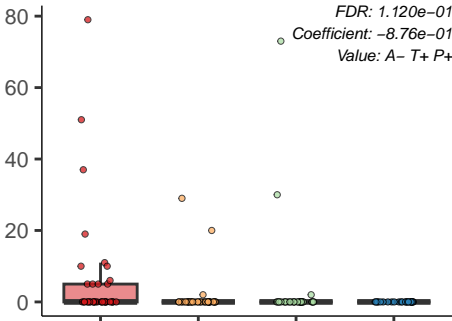
A-T-P- (n=36)

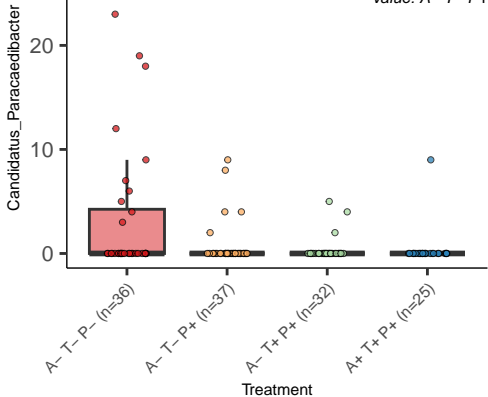
A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

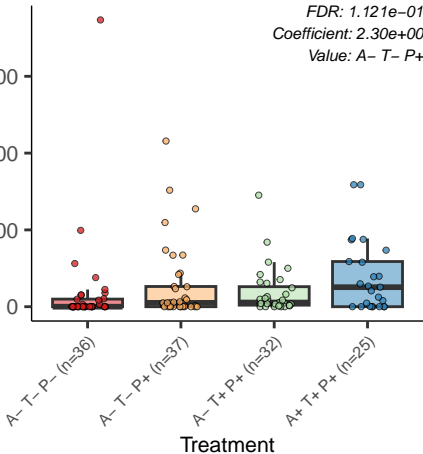
Treatment

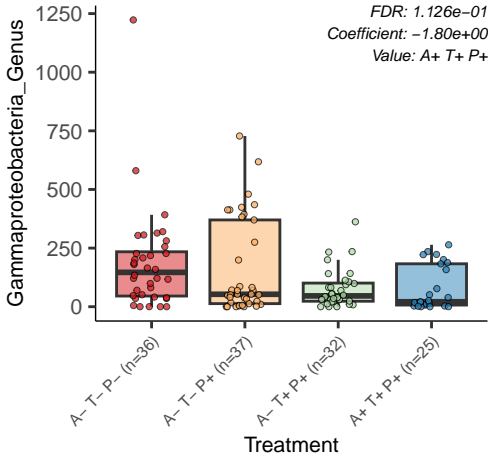




env.OPS\_17\_Genus

FDR: 1.121e-01  
Coefficient: 2.30e+00  
Value: A- T- P+





Saprospiraceae\_Genus

2000

1500

1000

500

0

*FDR: 1.131e-01*

*Coefficient: -2.12e+00*

*Value: A+ T+ P+*

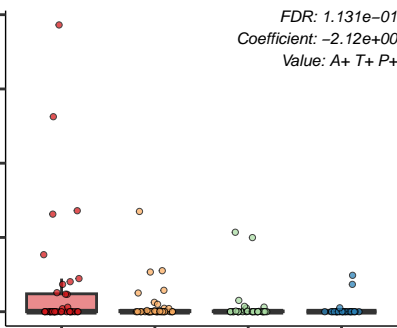
A- T- P- (n=36)

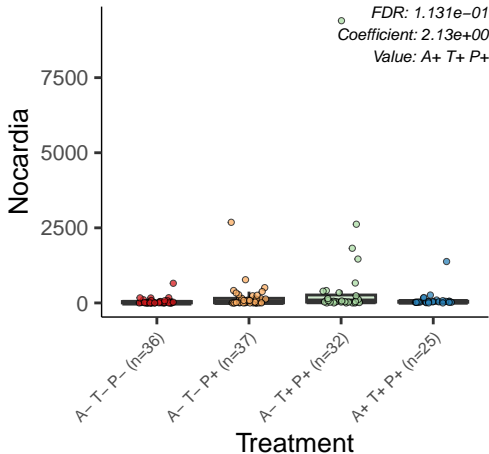
A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

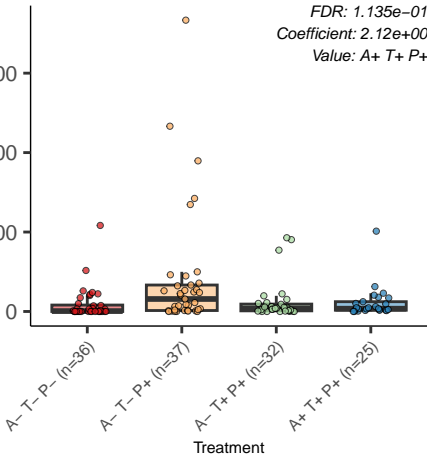
Treatment





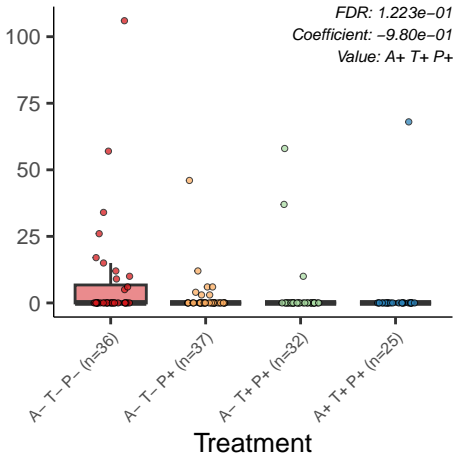
Hyphomicrobiales\_Incertae\_Sedis\_Genus

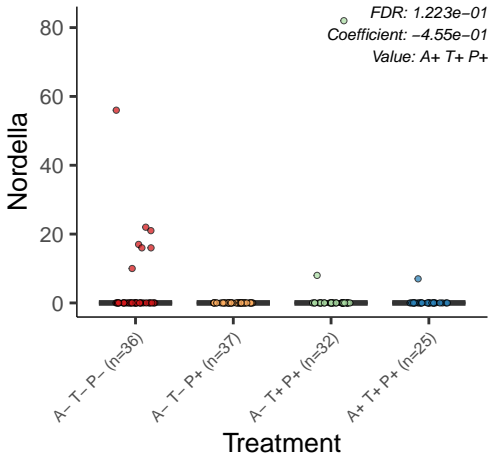
FDR: 1.135e-01  
Coefficient: 2.12e+00  
Value: A+ T+ P+

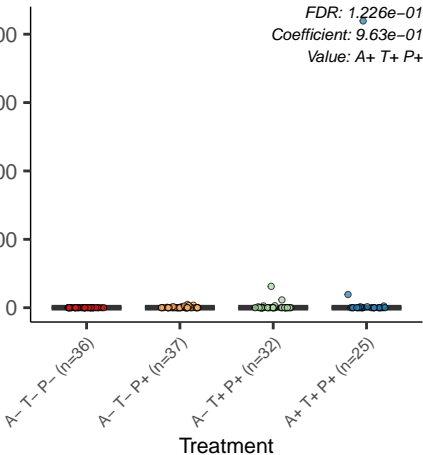




Cytophaga

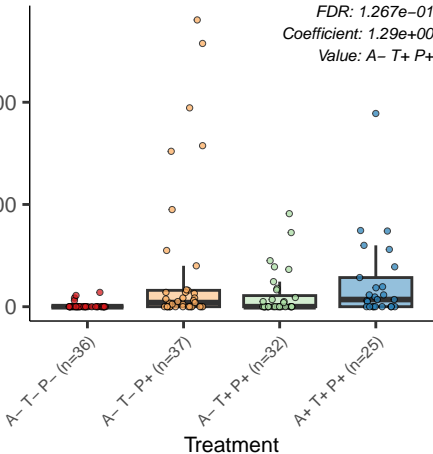




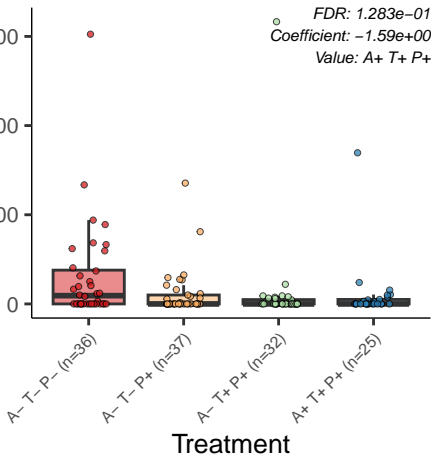


Rhodocyclaceae\_Genus

FDR: 1.267e-01  
Coefficient: 1.29e+00  
Value: A- T+ P+



Bradyrhizobium



Barnesiellaceae\_Genus

FDR: 1.300e-01

Coefficient: -5.52e-01

Value: A- T+ P+

10

5

0

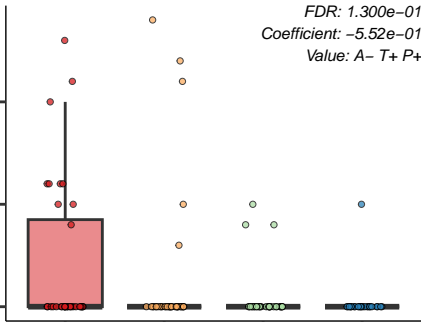
A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment



Phreatobacter

*FDR: 1.324e-01*

*Coefficient: -1.25e+00*

*Value: A- T- P+*

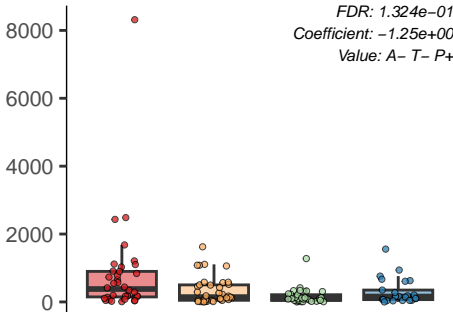
A- T- P- (n=36)

A- T+ P+ (n=37)

A+ T+ P+ (n=32)

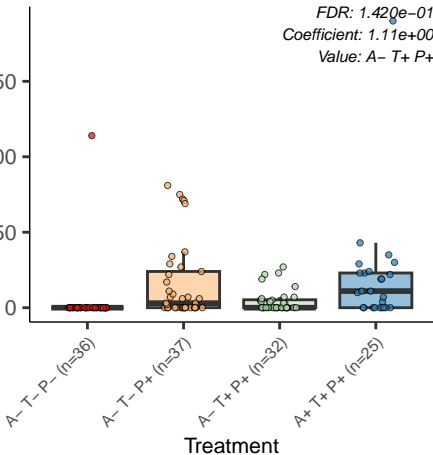
A+ T- P+ (n=25)

Treatment

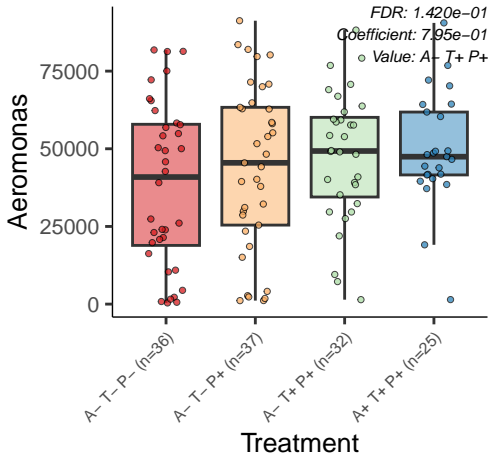


Candidatus\_Megaira

FDR: 1.420e-01  
Coefficient: 1.11e+00  
Value: A- T+ P+

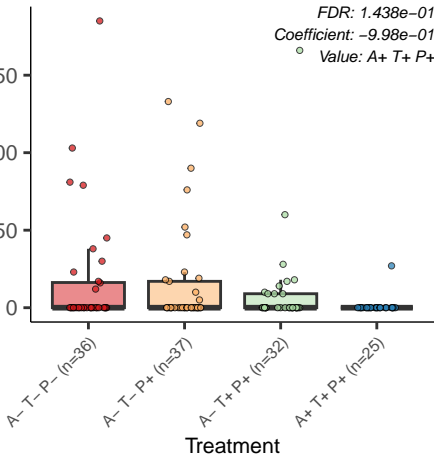


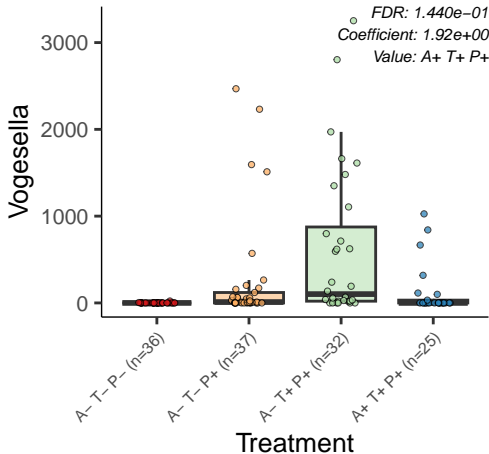




Rhodopseudomonas

FDR: 1.438e-01  
Coefficient: -9.98e-01  
Value: A+ T+ P+





Chitinivorax

*FDR: 1.460e-01*  
*Coefficient: 1.17e+00*  
*Value: A- T- P+*

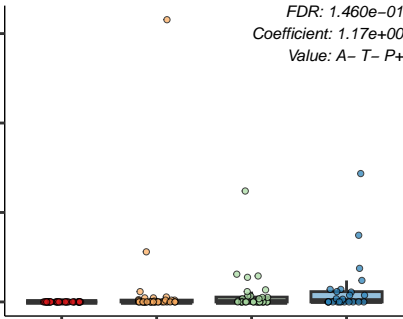
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

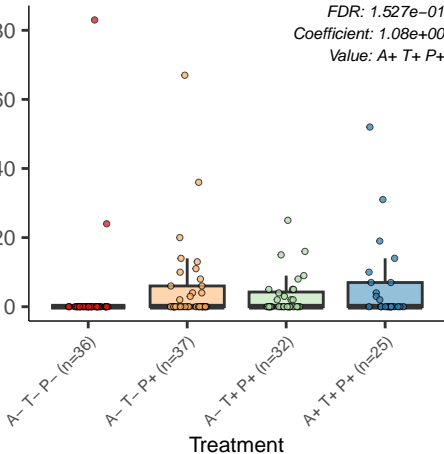
A+T+P+ (n=25)

Treatment



Candidatus\_Alysiosphaera

*FDR: 1.527e-01*  
*Coefficient: 1.08e+00*  
*Value: A+ T+ P+*



Ohtaekwangia

FDR: 1.538e-01  
Coefficient: 1.36e-01  
Value: A+ T+ P+

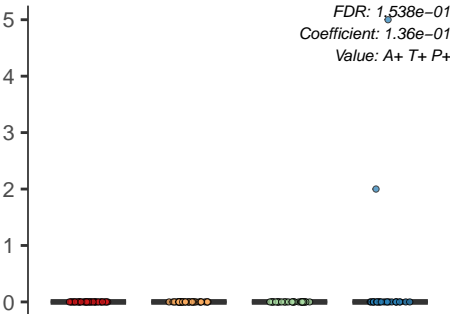
A-T-P- (n=36)

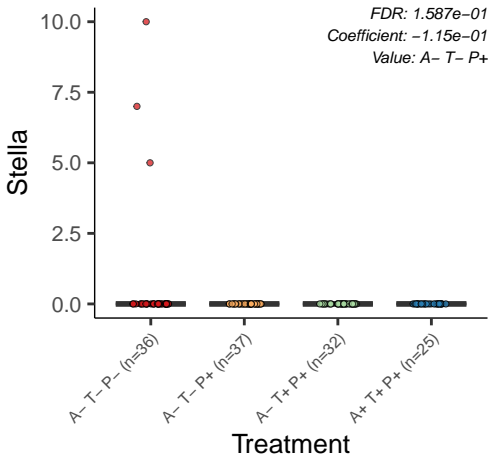
A-T-P+ (n=37)

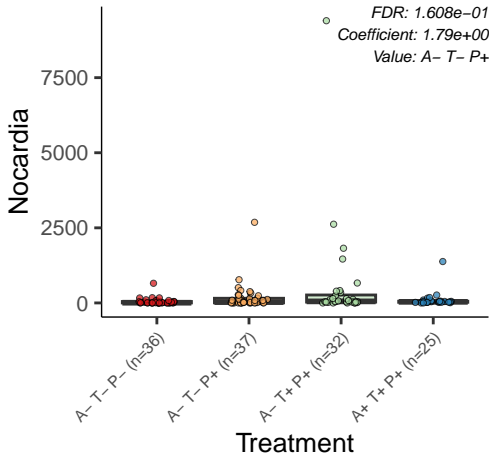
A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment







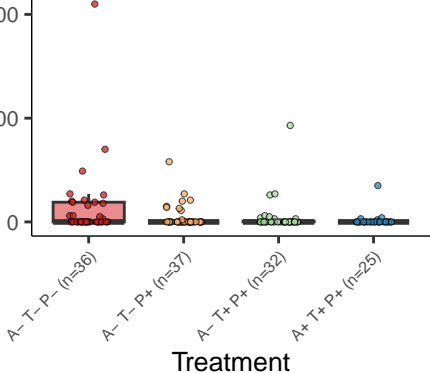


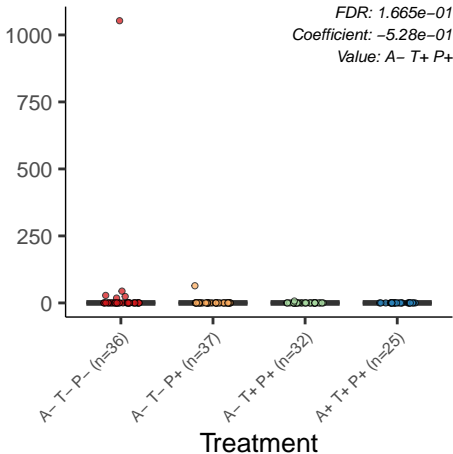
Agitococcus

*FDR: 1.665e-01*

*Coefficient: -1.12e+00*

*Value: A- T+ P+*





Crenobacter

*FDR: 1.738e-01*  
*Coefficient: -1.02e+00*  
*Value: A- T- P+*

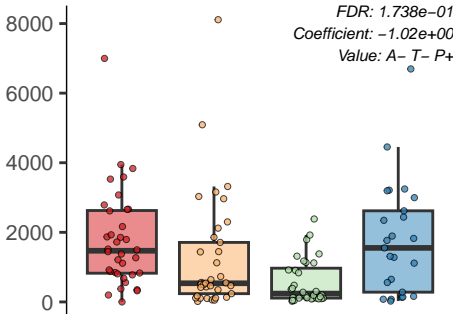
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

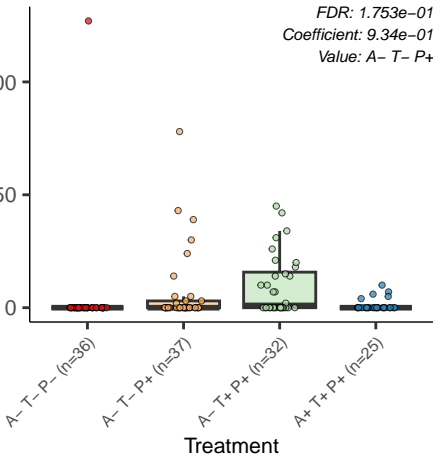
A+T+P+ (n=25)

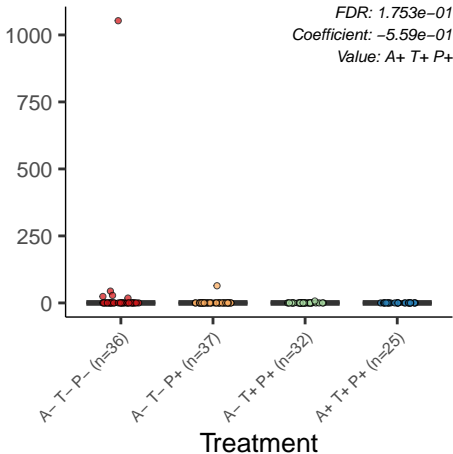
Treatment

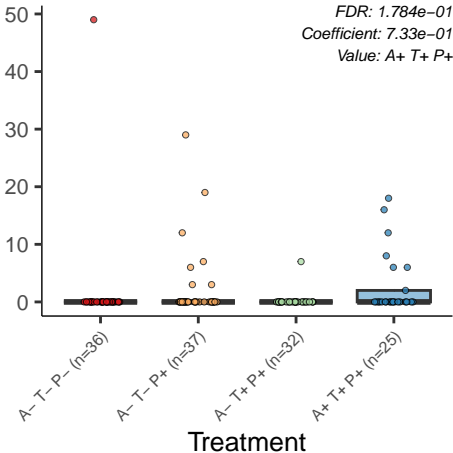


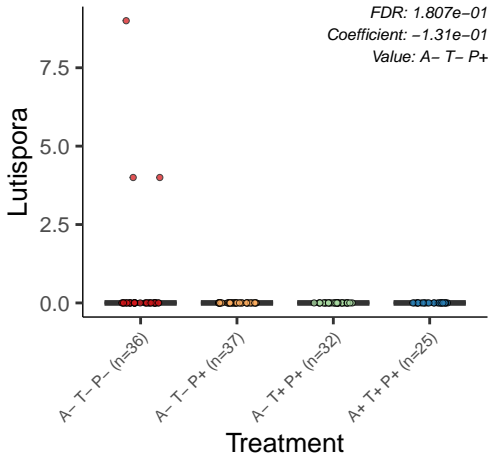
Candidatus\_Berkiella

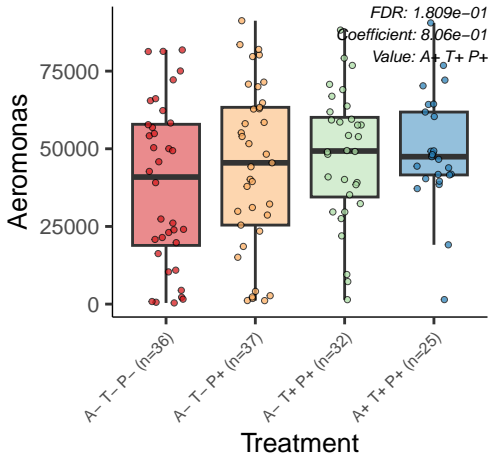
FDR: 1.753e-01  
Coefficient: 9.34e-01  
Value: A- T- P+











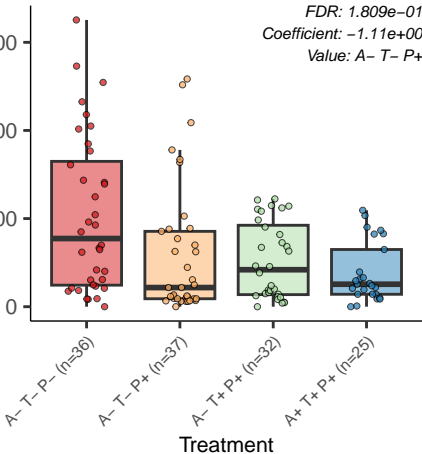


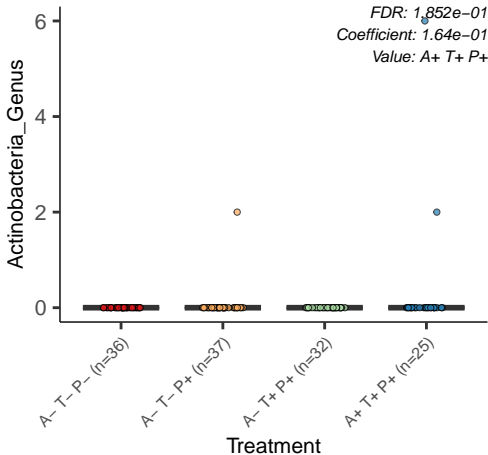
Paracoccaceae\_Genus

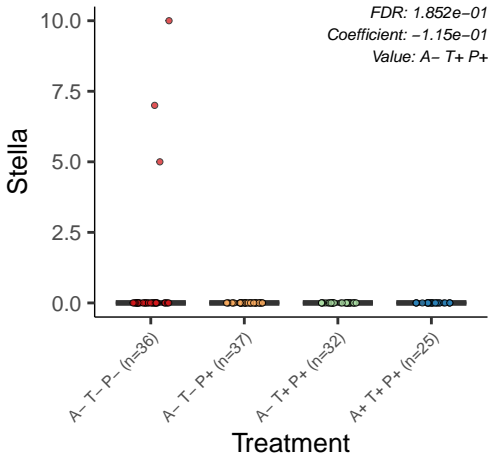
*FDR: 1.809e-01*

*Coefficient: -1.11e+00*

*Value: A- T- P+*







alpha\_cluster

FDR: 1.865e-01  
Coefficient: 1.19e+00  
Value: A- T+ P+

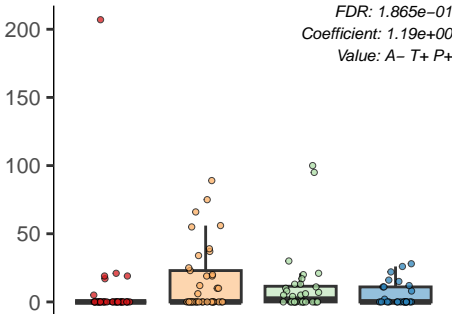
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



Lactococcus

*FDR: 1.925e-01*  
*Coefficient: 1.02e+00*  
*Value: A+ T+ P+*

A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment

600

400

200

0

Citrobacter

*FDR: 1.925e-01*  
*Coefficient: 7.51e-01*  
*Value: A- T+ P+*

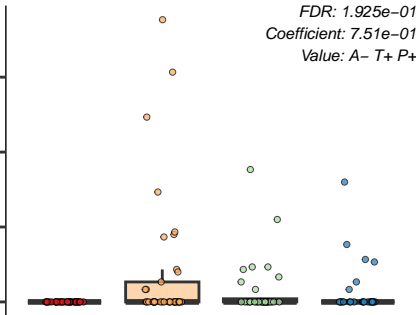
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



Pseudorhodoplanes

*FDR: 1.995e-01*

*Coefficient: 8.49e-01*

*Value: A- T- P+*

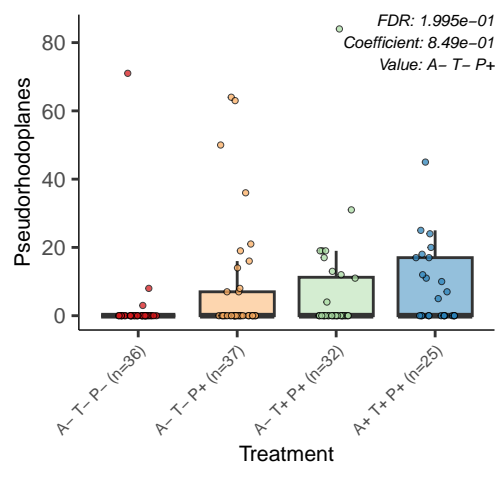
A- T- P- (n=36)

A- T+ P+ (n=37)

A+ T+ P+ (n=32)

A+ T- P+ (n=25)

Treatment



Gemmobacter

*FDR: 1.995e-01*

*Coefficient: -1.04e+00*

*Value: A+ T+ P+*

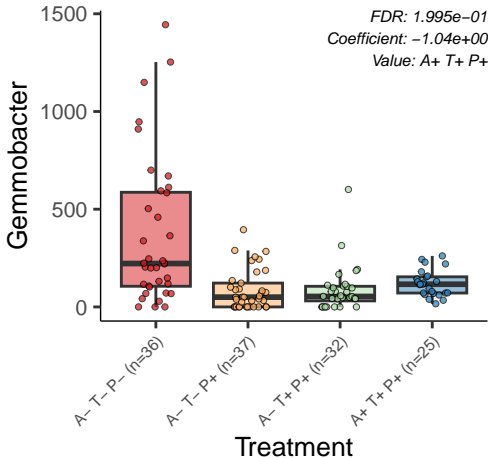
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

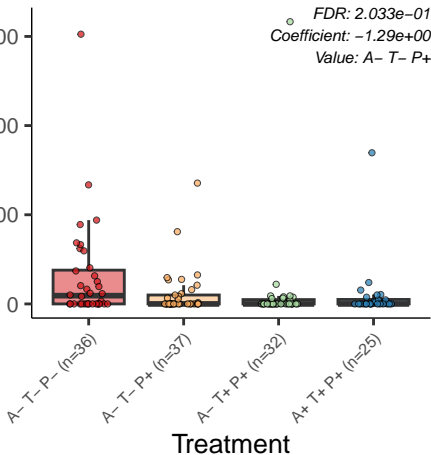
A+T+P+ (n=25)

Treatment





Bradyrhizobium



Pseudorhodoplanes

*FDR: 2.059e-01*

*Coefficient: 8.74e-01*

*Value: A- T+ P+*

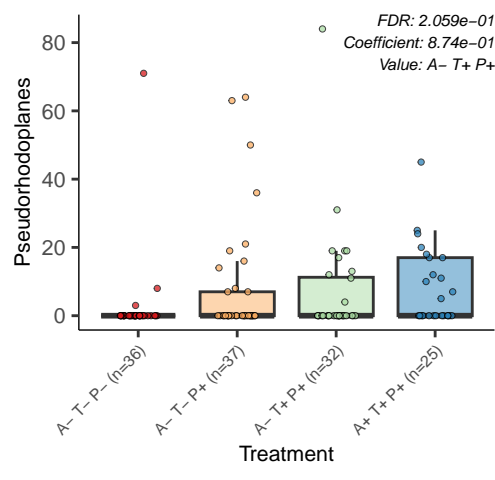
A- T- P- (n=36)

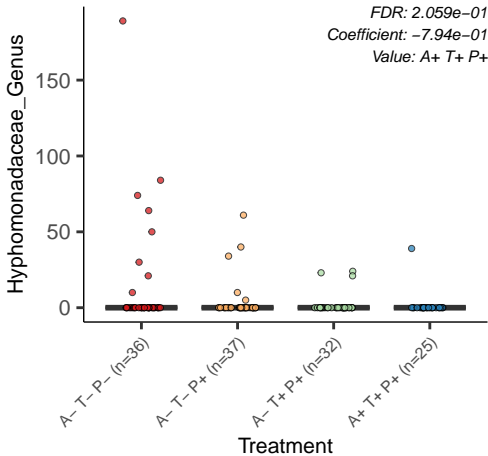
A- T- P+ (n=37)

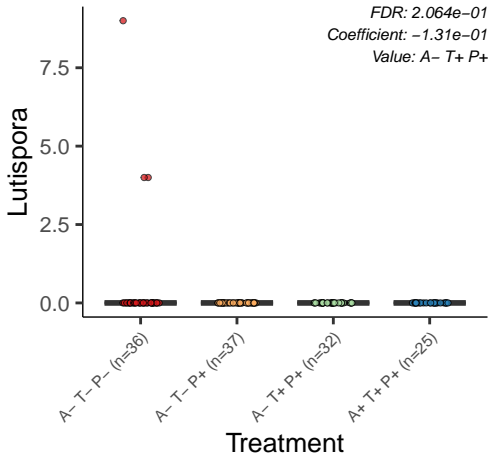
A- T+ P+ (n=32)

A+ T+ P+ (n=25)

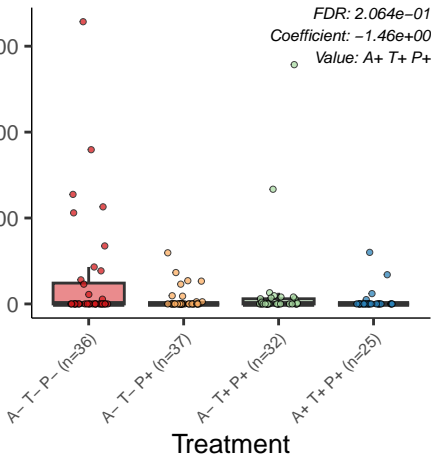
Treatment

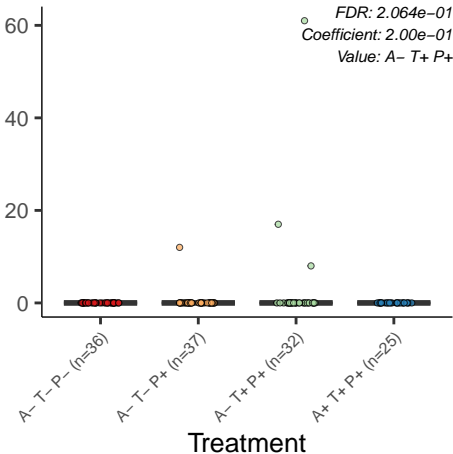


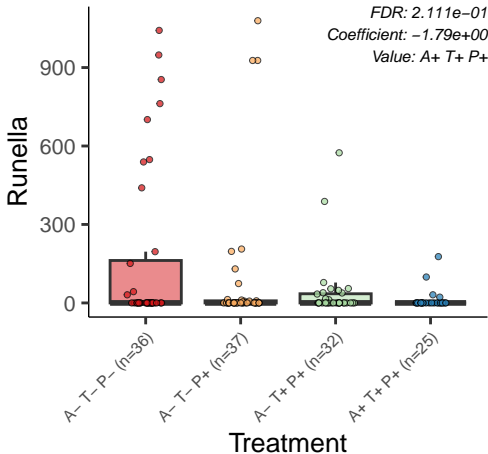




Telmatocola





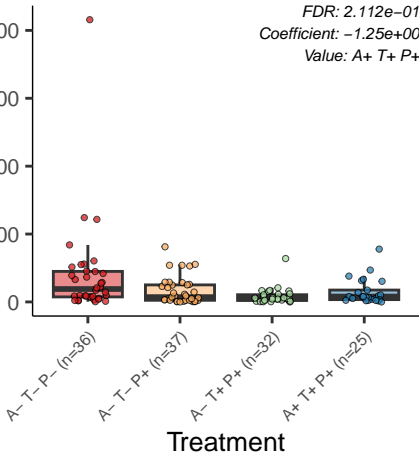


Phreatobacter

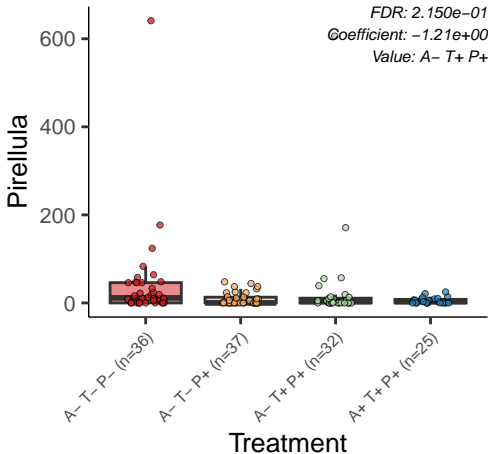
*FDR: 2.112e-01*

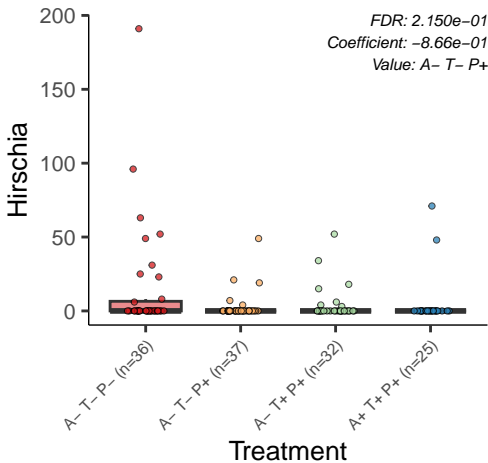
*Coefficient: -1.25e+00*

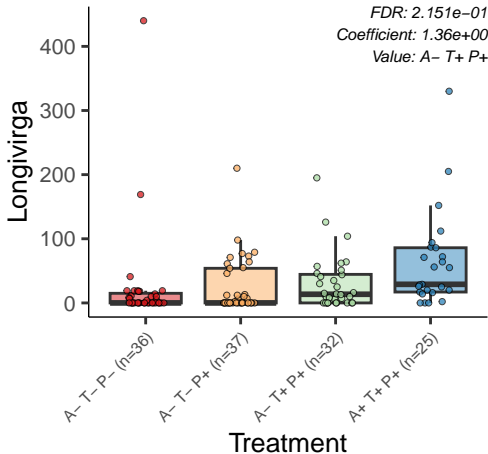
*Value: A+ T+ P+*





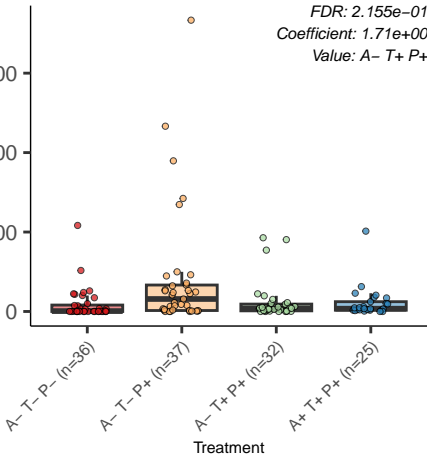


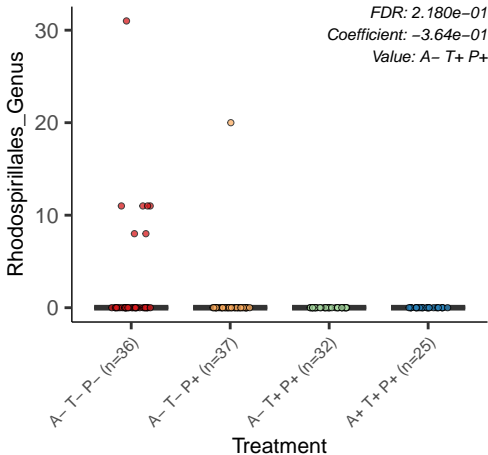




Hyphomicrobiales\_Incertae\_Sedis\_Genus

*FDR: 2.155e-01*  
*Coefficient: 1.71e+00*  
*Value: A- T+ P+*



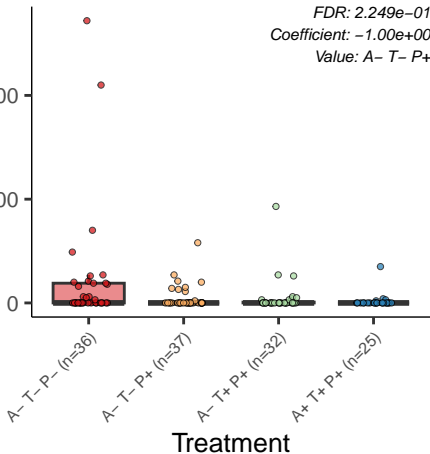


Agitococcus

FDR: 2.249e-01

Coefficient: -1.00e+00

Value: A- T- P+



Nitrosomonas

*FDR: 2.256e-01*

*Coefficient: -1.68e+00*

*Value: A+ T+ P+*

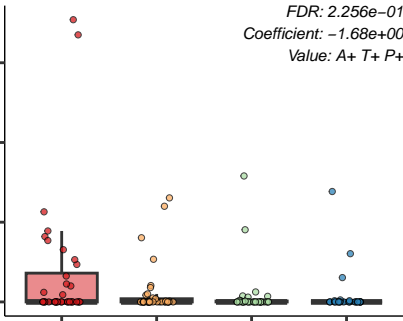
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment

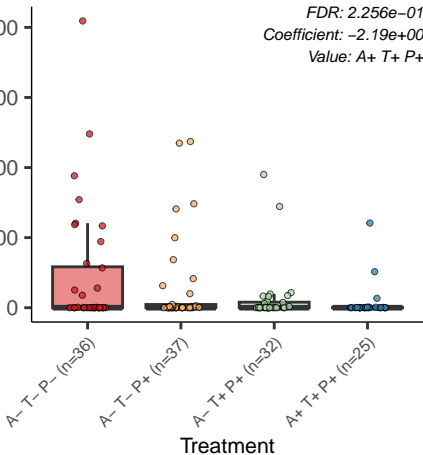


Haliscomenobacter

*FDR: 2.256e-01*

*Coefficient: -2.19e+00*

*Value: A+ T+ P+*





Burkholderiales\_Genus

FDR: 2.266e-01

Coefficient: -7.65e-01

Value: A- T- P+

20

10

0

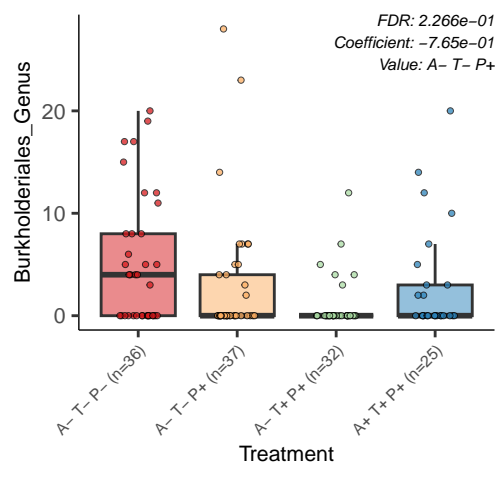
A- T- P- (n=36)

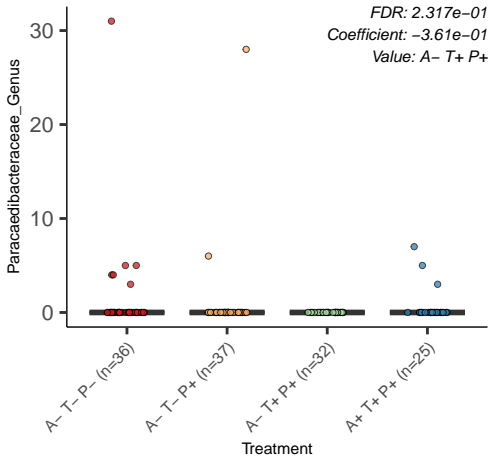
A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment





Nitrosomonas

*FDR: 2.327e-01*

*Coefficient: -1.55e+00*

*Value: A- T+ P+*

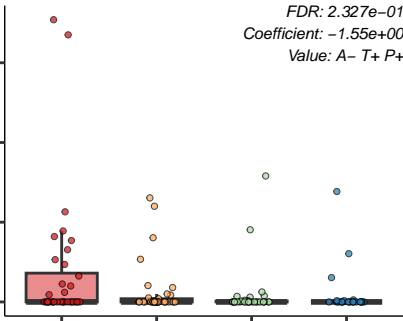
A-T-P- (n=36)

A-T-P+ (n=37)

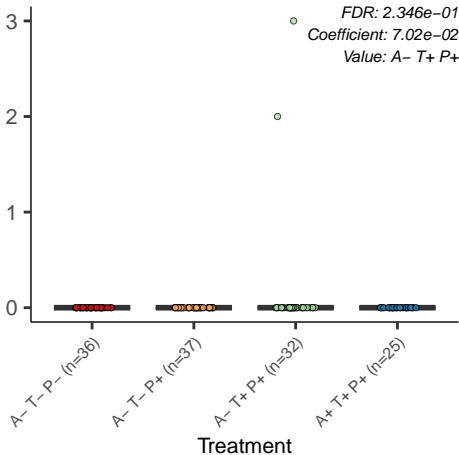
A-T+P+ (n=32)

A+T+P+ (n=25)

Treatment



Silvanigrellaceae\_Genus



PeM15\_Genus

*FDR: 2.348e-01*  
*Coefficient: 1.04e+00*  
*Value: A- T- P+*

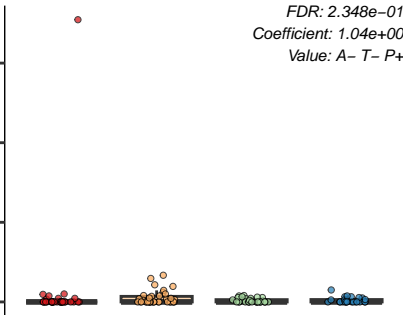
A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

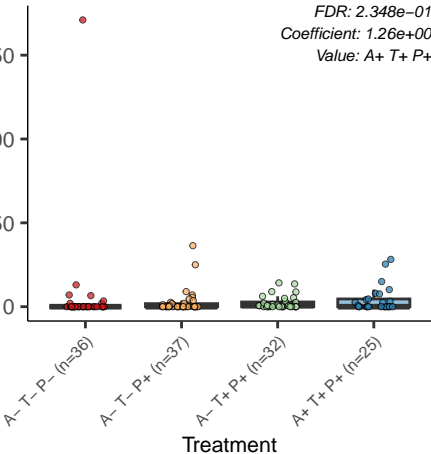
A+T+P+ (n=25)

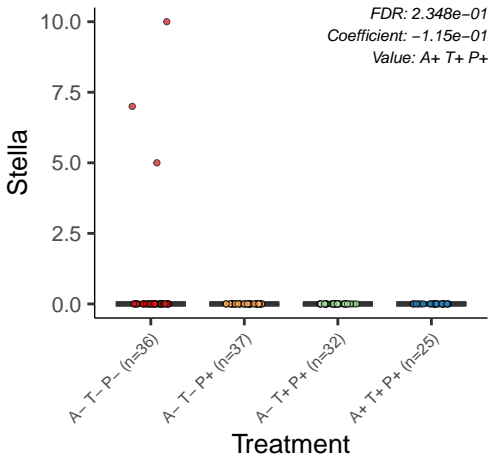
Treatment



Microscillaceae\_Genus

FDR: 2.348e-01  
Coefficient: 1.26e+00  
Value: A+ T+ P+







*FDR: 2.348e-01*

Coefficient:  $-2.06e-01$

Value:  $A- T+ P+$



## Treatment



Verrucomicrobiaceae\_Genus

*FDR: 2.349e-01*

*Coefficient: -1.15e+00*

*Value: A+ T+ P+*

400

200

0

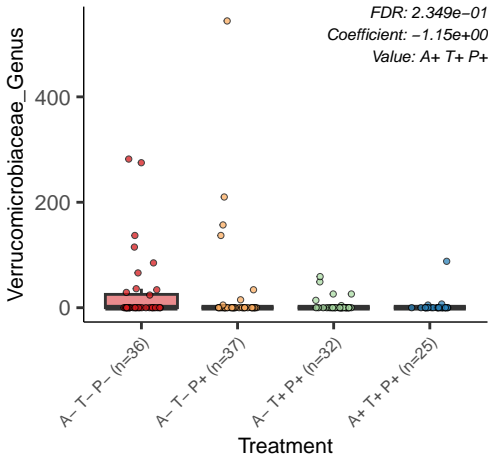
A-T-P- (n=36)

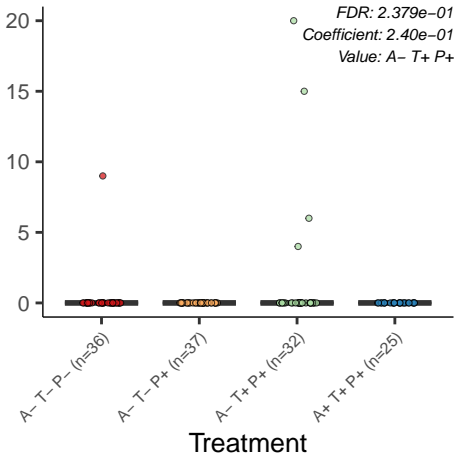
A-T-P+ (n=37)

A-T+P+ (n=32)

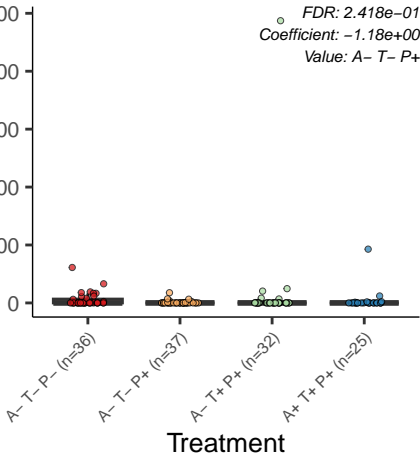
A+T+P+ (n=25)

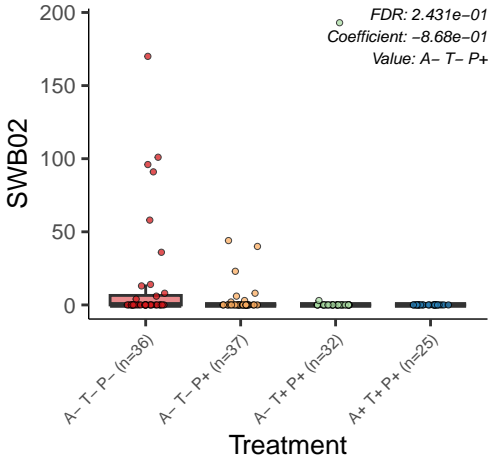
Treatment



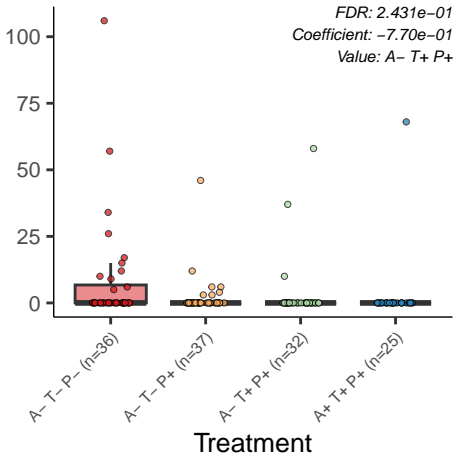


Deinococcus



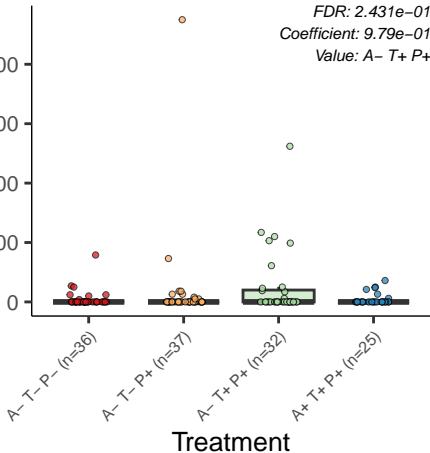


Cytophaga



Glutamicibacter

*FDR: 2.431e-01*  
*Coefficient: 9.79e-01*  
*Value: A- T+ P+*





*FDR: 2.432e-01*

Coefficient:  $-5.74e-01$

- Value:  $A - T - P_+$



## Treatment

Chthoniobacter

100

50

0

A-T-P- (n=36)

A-T-P+ (n=37)

A-T+P+ (n=32)

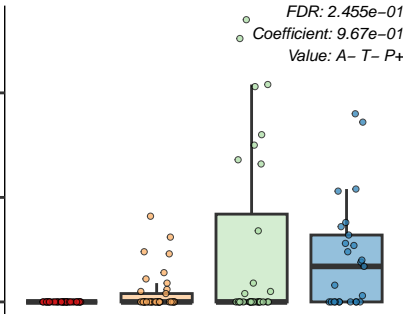
A+T+P+ (n=25)

Treatment

*FDR: 2.455e-01*

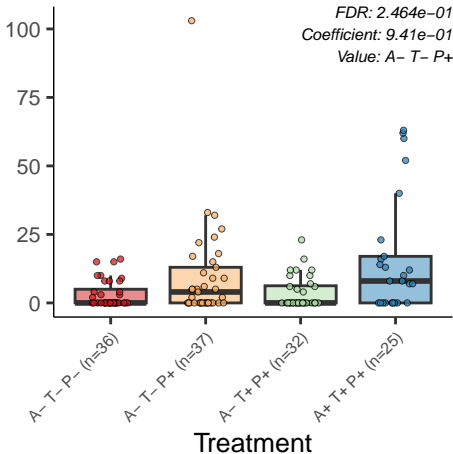
*Coefficient: 9.67e-01*

*Value: A- T- P+*





Roseicella



Kapabacteriales\_Genus

FDR: 2.472e-01

Coefficient: -9.90e-01

Value: A- T+ P+

A- T- P- (n=36)

A- T- P+ (n=37)

A- T+ P+ (n=32)

A+ T+ P+ (n=25)

Treatment

