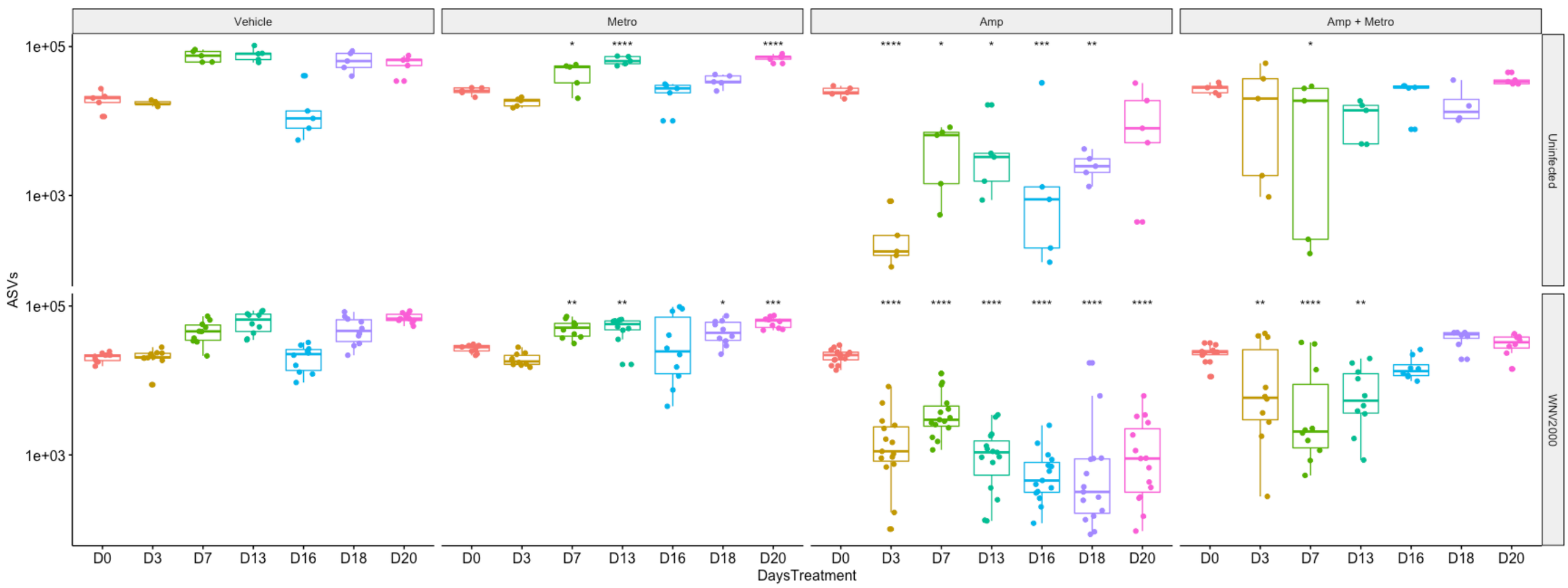

Vehicle
Metro
Amp
Amp + Metro
Uninfected
WNV2000
1e+05
1e+03
AS
D0
D3
D7
D13
D16
D18
D20
DaysTreatment

Abundant Phylum (> 1%)

Vehicle D.14 | Vehicle D0 | Vehicle D3 | Vehicle D7 | Vehicle D13 | Vehicle D16 | Vehicle D18 | Vehicle D20

Metro D.14 | Metro D0 | Metro D3 | Metro D7 | Metro D13 | Metro D16 | Metro D18 | Metro D20

Amp D.14 | Amp D0 | Amp D3 | Amp D7 | Amp D13 | Amp D16 | Amp D18 | Amp D20

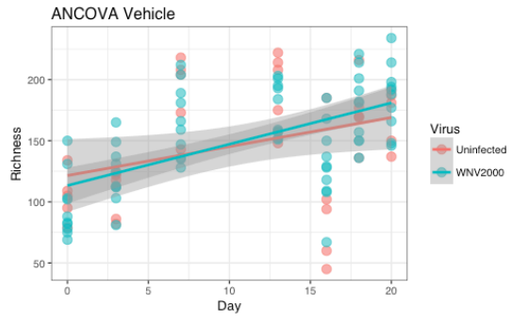
Amp + Metro D.14 | Amp + Metro D0 | Amp + Metro D3 | Amp + Metro D7 | Amp + Metro D13 | Amp + Metro D16 | Amp + Metro D18 | Amp + Metro D20

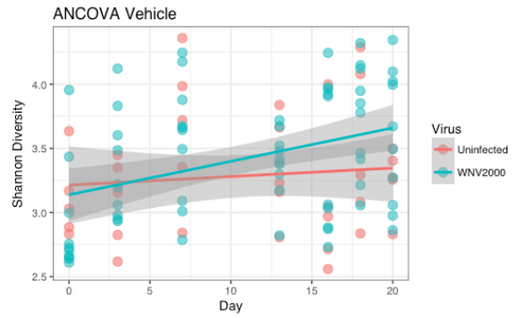
Abundance

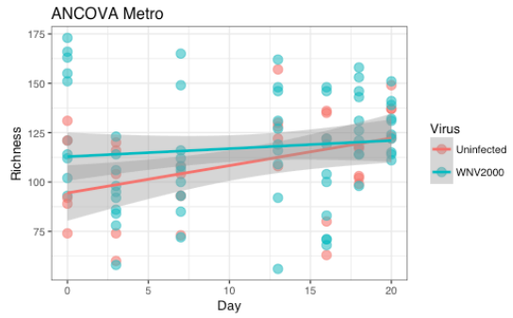
1.00
0.75
0.50
0.25
0.00

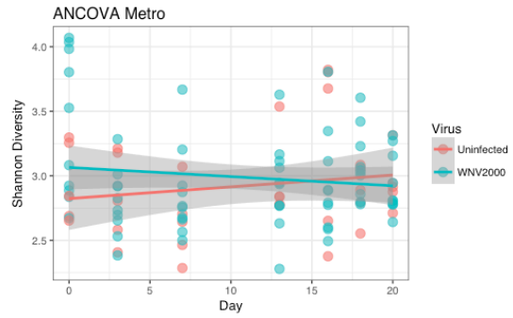
Phylum
Actinobacteria
Bacteroidetes
Firmicutes
Proteobacteria
Tenericutes
Verrucomicrobia

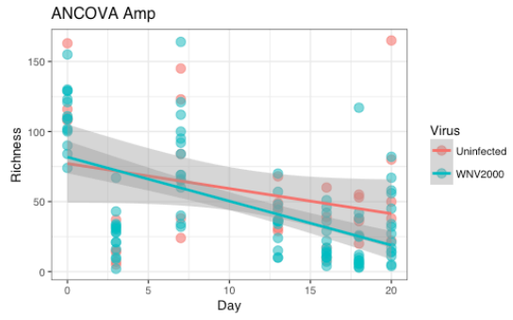
Vehicle
Metro
Amp
Amp + Metro
WNV2000
Richness
Shannon diversity
0
50
100
150
200
1
2
3
4
D.14
D0
D3
D7
D13
D16
D18
D20
*
**
***
****

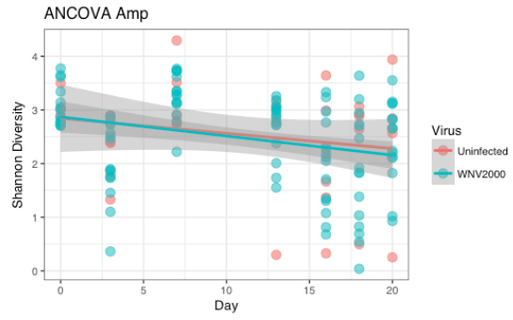

ANCOVA Vehicle
Richness
Day
Virus
Uninfected
WNV2000

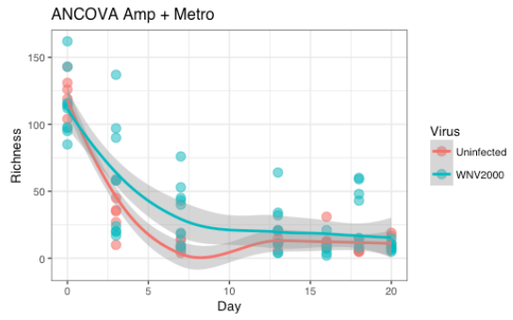

ANCOVA Vehicle
Shannon Diversity
Day
Virus
Uninfected
WNV2000

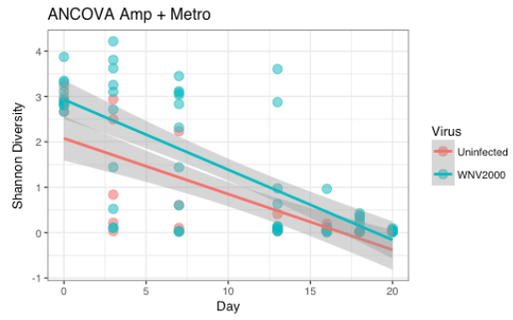

ANCOVA Metro
Richness
Day
Virus
Uninfected
WNV2000


ANCOVA Metro
Shannon Diversity
Day
Virus
Uninfected
WNV2000

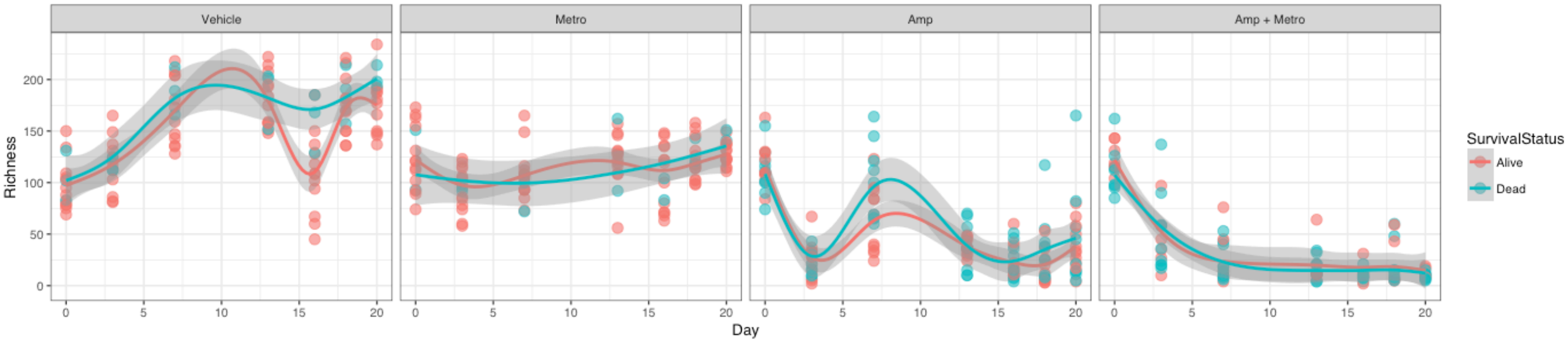

ANCOVA Amp
Richness
Day
Virus
Uninfected
WNV2000


ANCOVA Amp
Shannon Diversity
Day
Virus
Uninfected
WNV2000

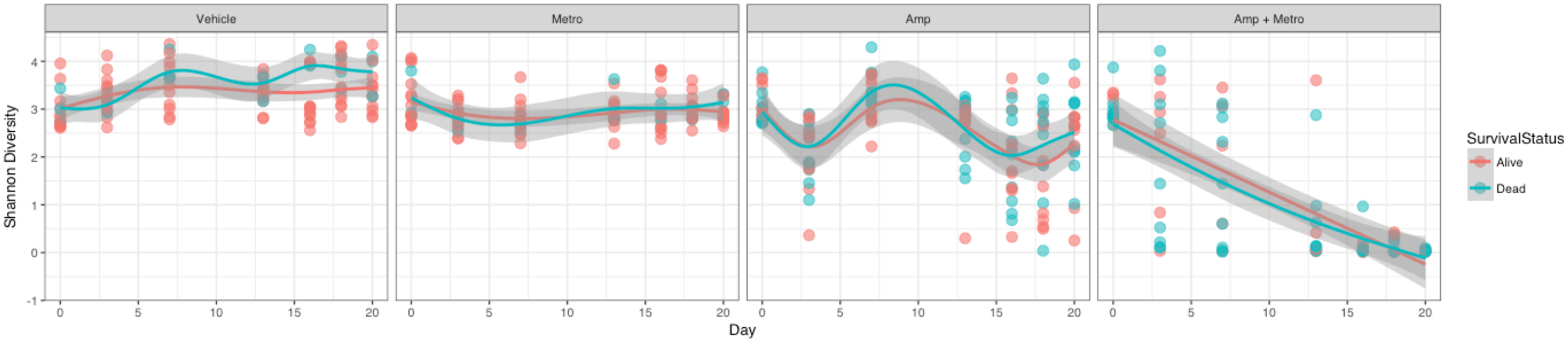

ANCOVA Amp + Metro
Richness
Day
Virus
Uninfected
WNV2000


ANCOVA Amp + Metro
Shannon Diversity
Day
Virus
Uninfected
WNV2000

General Additive Model (GAM) - Treatment



General Additive Model (GAM) - Treatment



UniFrac NMDS1

Vehicle

Metro

Amp

Amp + Metro

NMDS1

0.5

0.0

0

5

10

15

20

Day

SurvivalStatus

Alive

Dead

PCoA of UniFrac Distances

D.14 D0 D3 D7 D13 D16 D18 D20

Vehicle

Metro

Amp

Amp + Metro

Axis.2 [7.8%]

Axis.1 [43.6%]

SurvivalStatus
Alive
Dead

PCoA of UniFrac Distances

D.14 | D0 | D3 | D7 | D13 | D16 | D18 | D20

Uninfected

WNV2000

Axis.2 [7.5%]

Axis.1 [44.6%]

Treatment
- Vehicle
- Metro
- Amp
- Amp + Metro