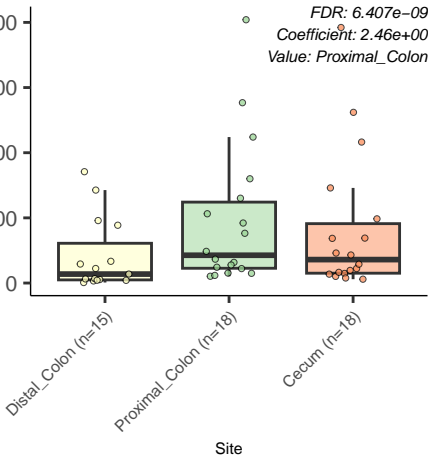
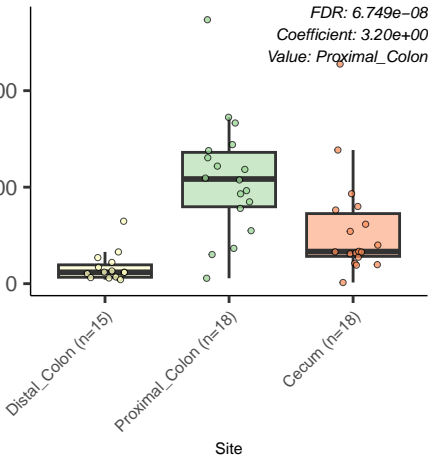


k_Bacteria.p_Firmicutes.c_Clostridia.o_Clostridia.vadinBE



Bacteria.p_Firmicutes.c_Clostridia.o_Lachnospirales.f_Lachnospiraceae.g_Lactobacillus



Firmicutes.c__Clostridia.o__Lachnospirales.f__Lachnospiraceae.g__

40000

20000

0

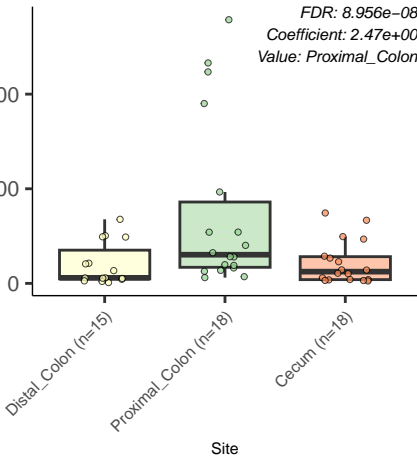
Distal_Colon (n=15)

Proximal_Colon (n=18)

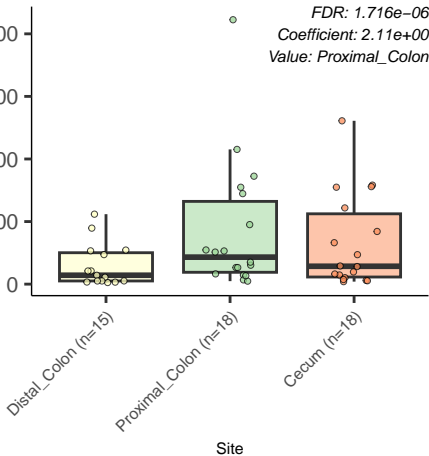
Cecum (n=18)

Site

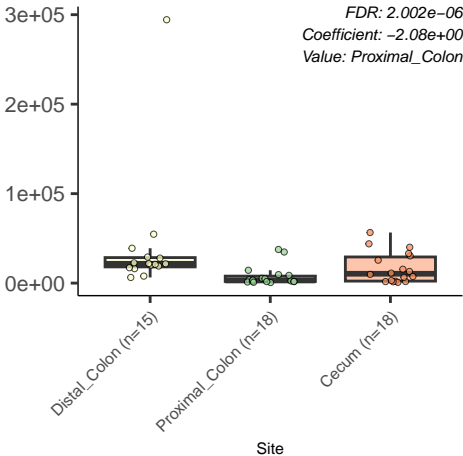
FDR: $8.956e-08$
Coefficient: $2.47e+00$
Value: Proximal_Colon



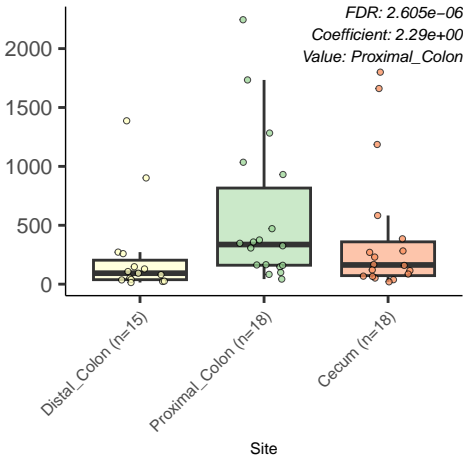
Bacteria.p_Firmicutes.c_Clostridia.o_Oscillospirales.f_Butyricic

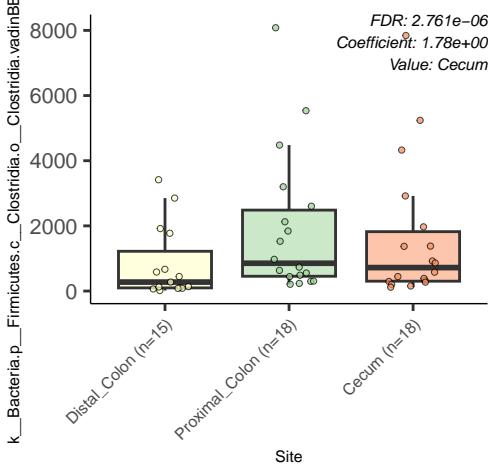


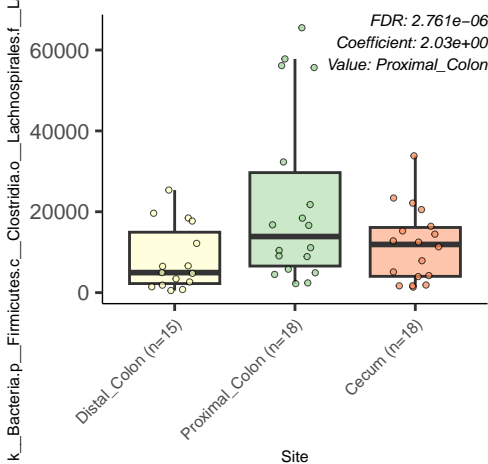
Bacteria.p__Firmicutes.c__Bacilli.o__Lactobacillales.f__Lactobacilli



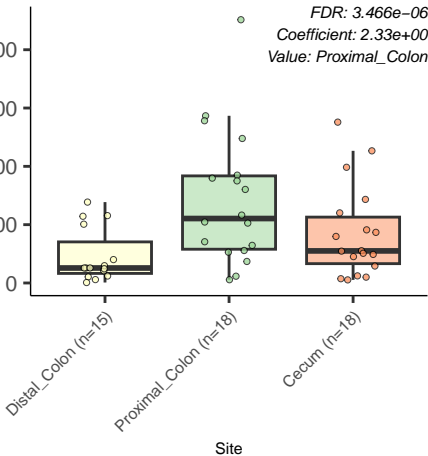
k_Bacteria.p_Firmicutes.c_Clostridia.o_Lachnospirales.f_La

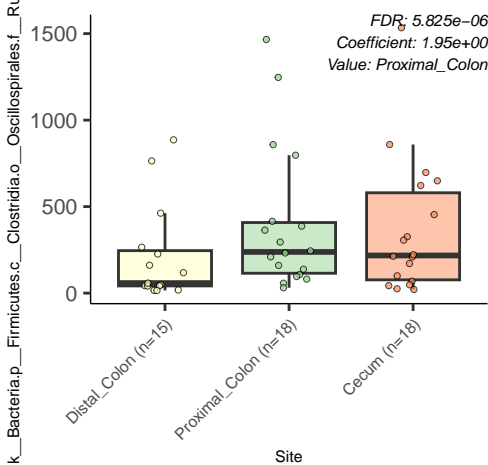




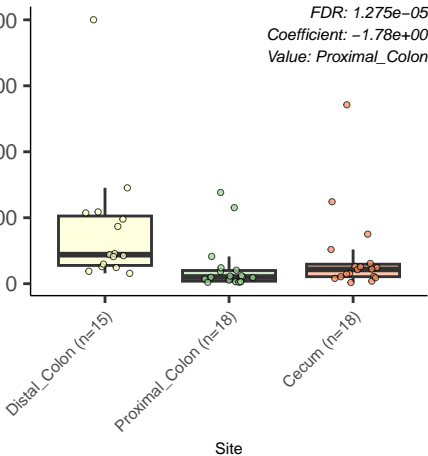


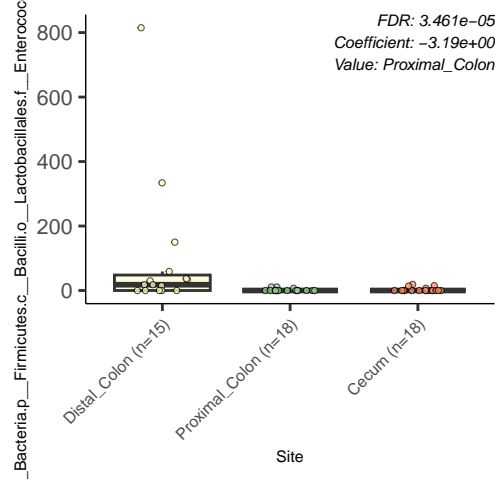
Bacteria.p_Firmicutes.c_Clostridia.o_Lachnospirales.f_Lachn

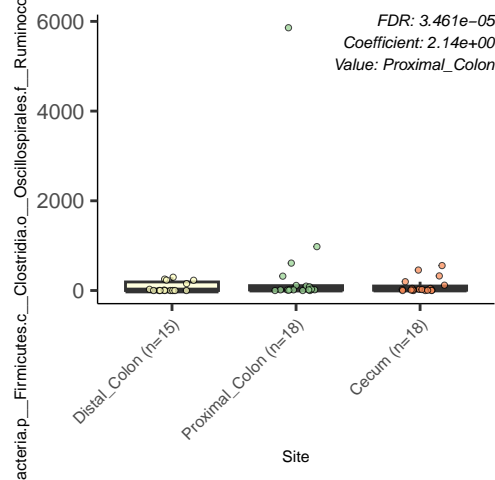


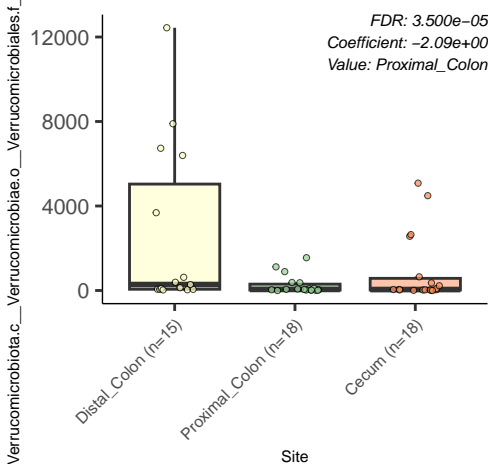


k_Bacteria.p_Firmicutes.c_Bacilli.o_Lactobacillales.f_Lactob

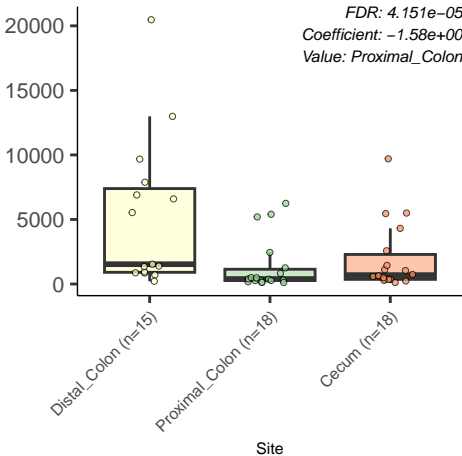




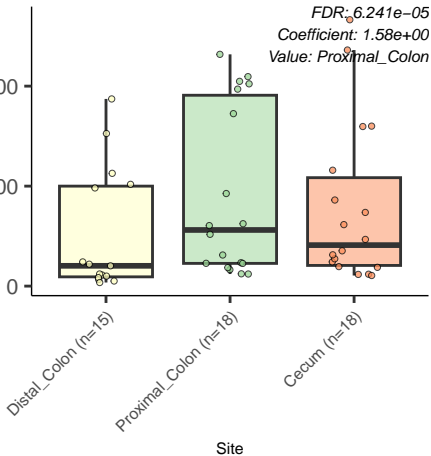




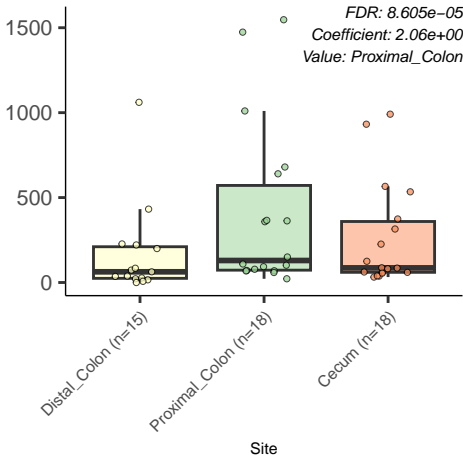
Bacteria.p__Firmicutes.c__Bacilli.o__Lactobacillales.f__Lactobac



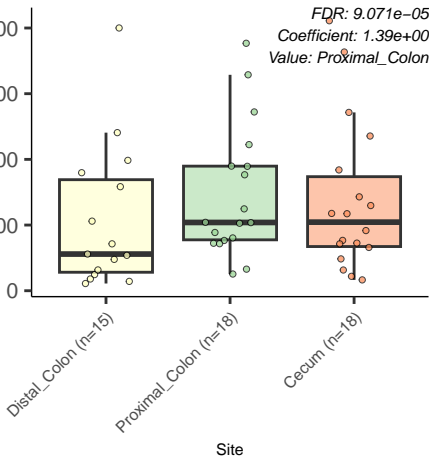
Bacteria.p__Firmicutes.c__Clostridia.o__Oscillospirales.f__Oscillospirillum



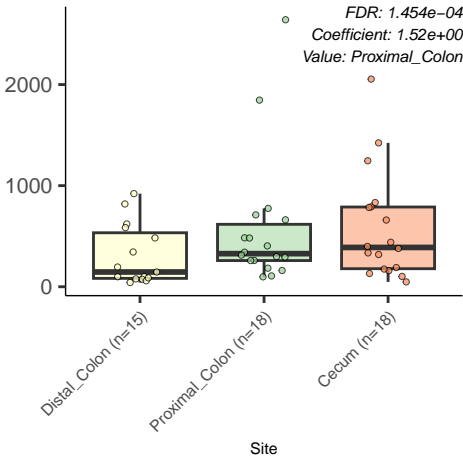
Bacteria.p_Firmicutes.c_Clostridia.o_Lachnospirales.f_Lachno



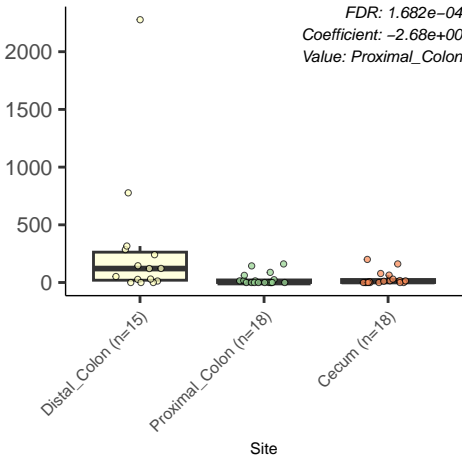
acteria.p__Firmicutes.c__Clostridia.o__Lachnospirales.f__Lachnosp



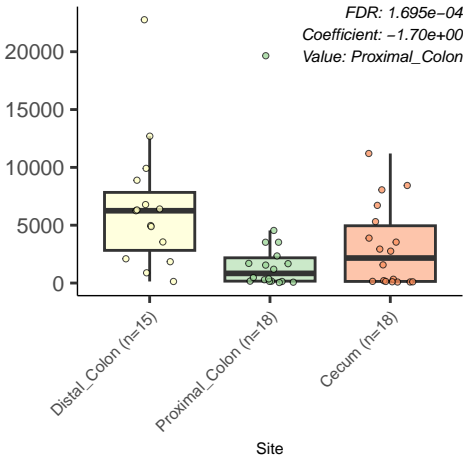
Bacteria.p__Firmicutes.c__Clostridia.o__Oscillospirales.f__Oscillospira



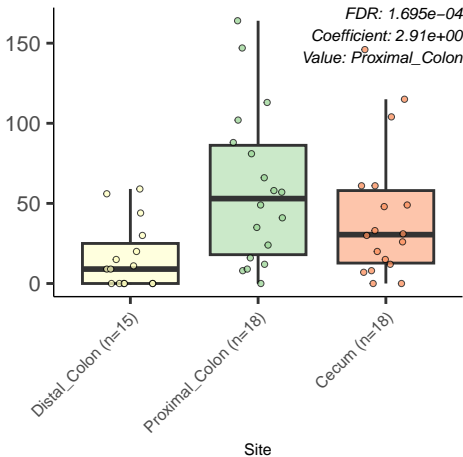
acteria.p__Firmicutes.c__Bacilli.o__Staphylococcales.f__Staphylococ



acteria.p__Firmicutes.c__Bacilli.o__Erysipelotrichales.f__Erysipelotr

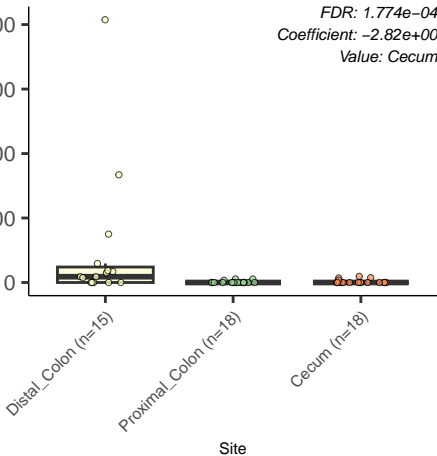


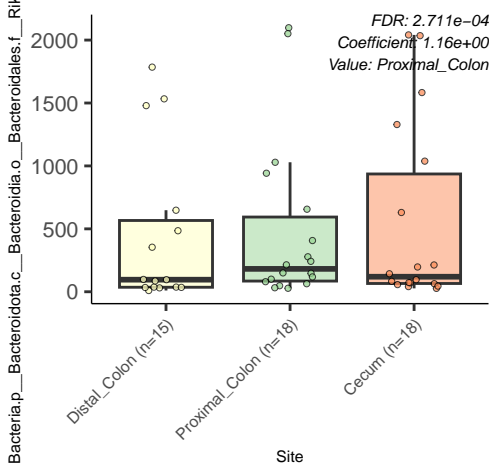
Bacteria.p__Firmicutes.c__Clostridia.o__Oscillospirales.f__Butyriv



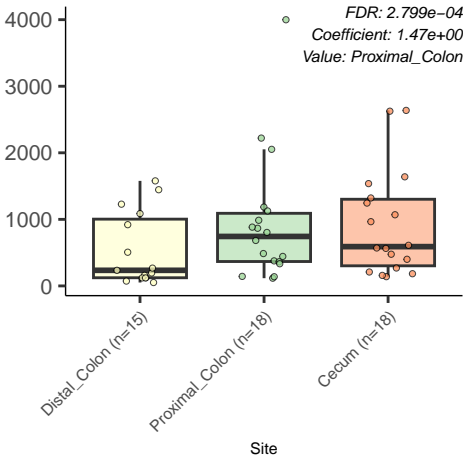
Bacteria.p_Firmicutes.c_Bacilli.o_Lactobacillales.f_Enterococ

FDR: $1.774e-04$
Coefficient: $-2.82e+00$
Value: Cecum

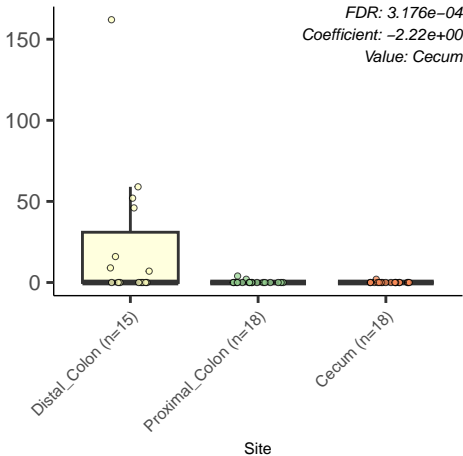


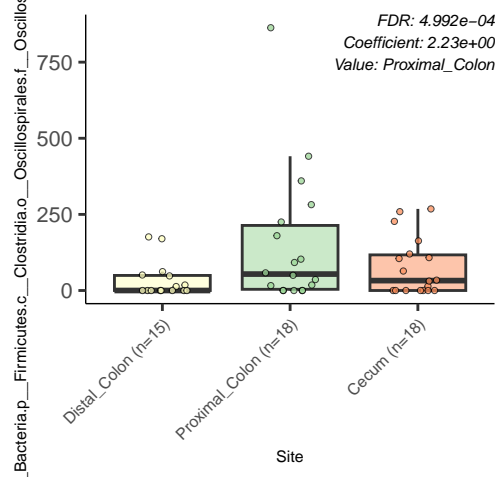


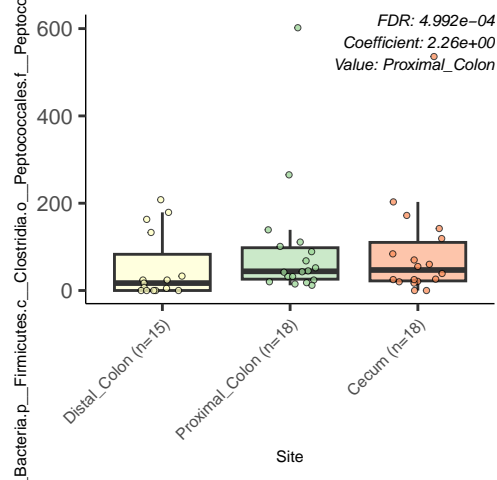
Bacteria.p_Firmicutes.c_Clostridia.o_Oscillospirales.f_Oscillosp



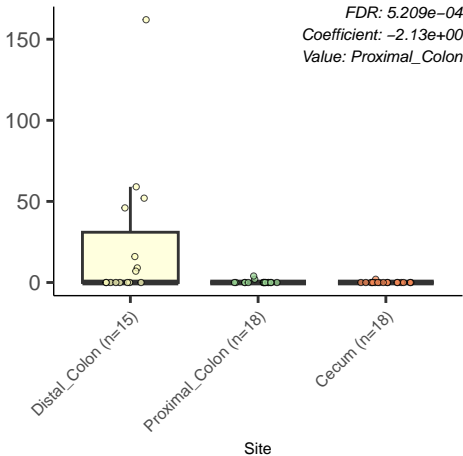
p__Proteobacteria.c__Alphaproteobacteria.o__Rhizobiales.f__Xanth



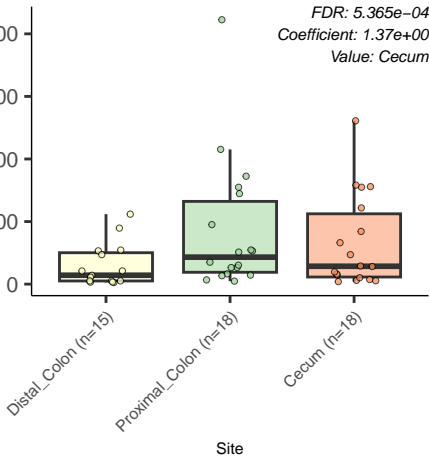


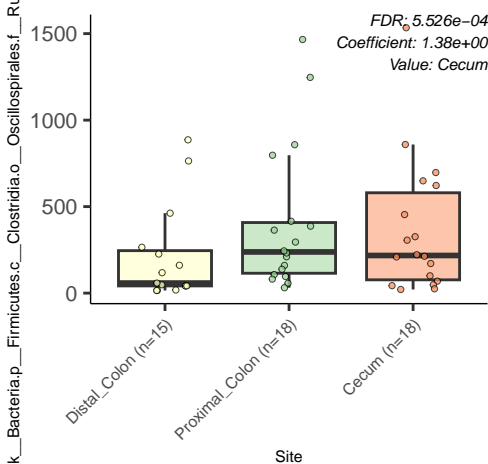


p__Proteobacteria.c__Alphaproteobacteria.o__Rhizobiales.f__Xant



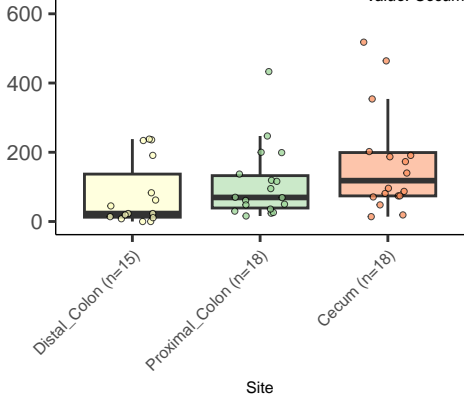
Bacteria.p_Firmicutes.c_Clostridia.o_Oscillospirales.f_Butyricic



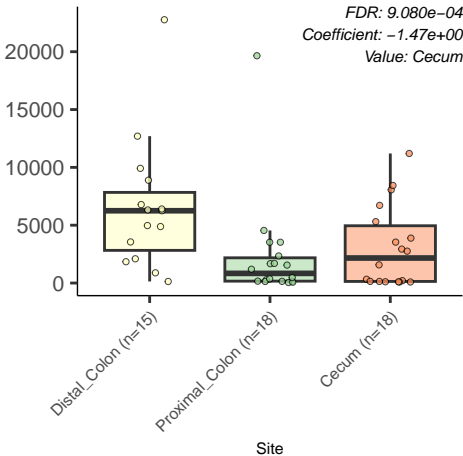


a.p__Desulfobacterota.c__Desulfovibrionia.o__Desulfovibrionales.f

FDR: $6.305e-04$
Coefficient: $2.23e+00$
Value: Cecum

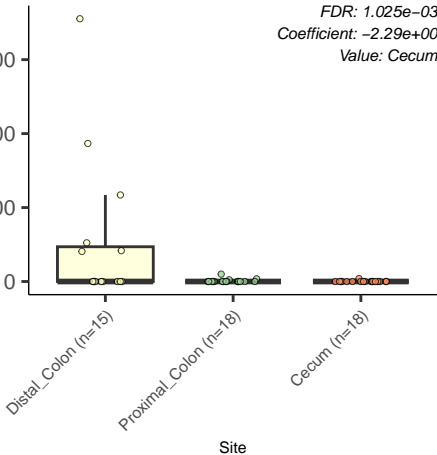


acteria.p__Firmicutes.c__Bacilli.o__Erysipelotrichales.f__Erysipelotr

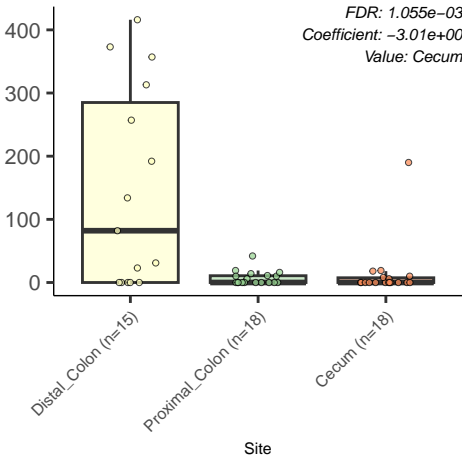


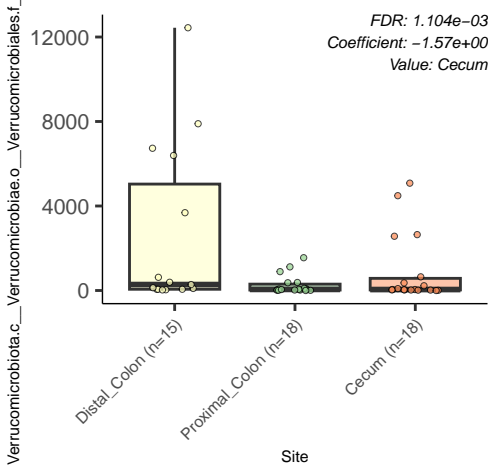
k__Bacteria.p__Firmicutes.c__Bacilli.o__Bacillales.f__Bacillaceae

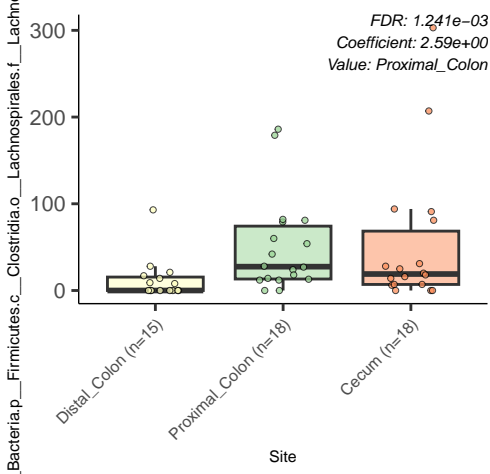
FDR: $1.025e-03$
Coefficient: $-2.29e+00$
Value: Cecum



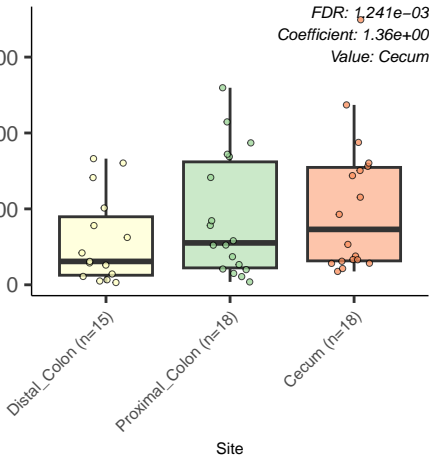
Firmicutes.c__Clostridia.o__Peptostreptococcales.Tissierellales.f__



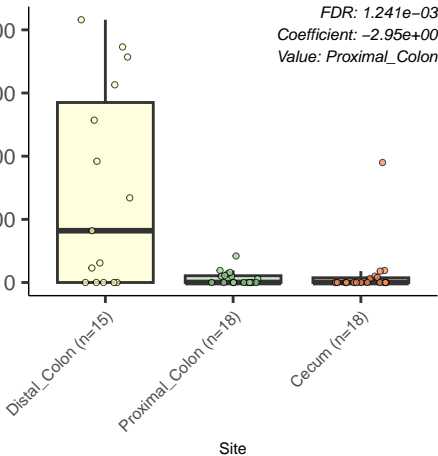




acteria.p__Firmicutes.c__Clostridia.o__Oscillospirales.f__Ruminoc

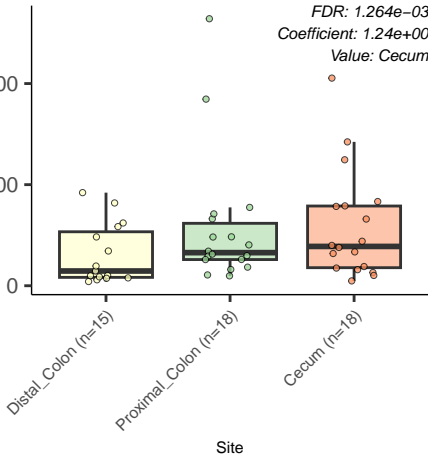


Firmicutes.c__Clostridia.o__Peptostreptococcales.Tissierellales.f__

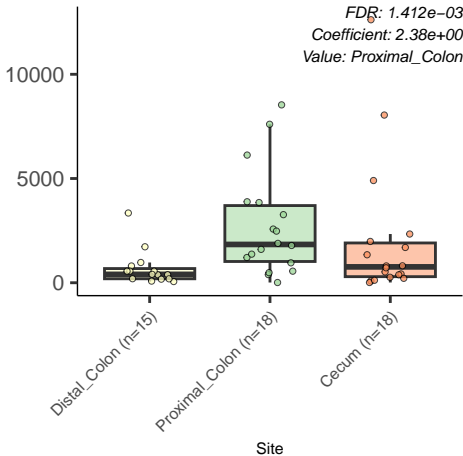


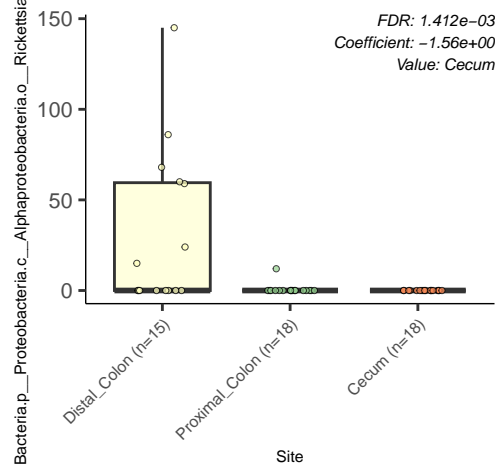
Bacteria.p__Firmicutes.c__Clostridia.o__Oscillospirales.f__Oscillospira

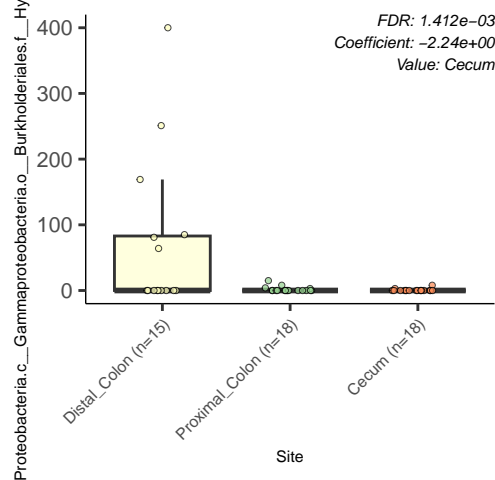
FDR: 1.264e-03
Coefficient: 1.24e+00
Value: Cecum



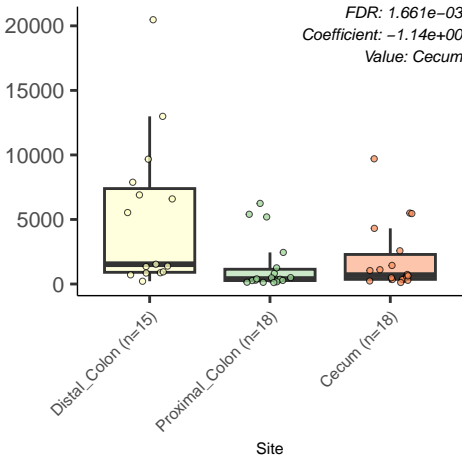
a.p._Firmicutes.c._Clostridia.o._Lachnospirales.f._Lachnospirace





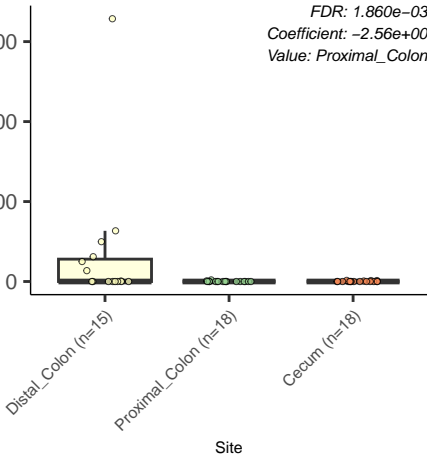


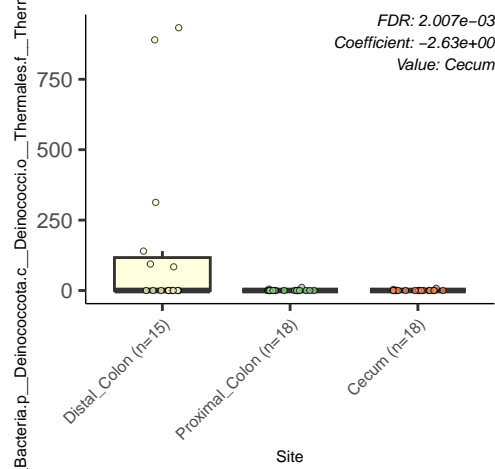
Bacteria.p__Firmicutes.c__Bacilli.o__Lactobacillales.f__Lactobac

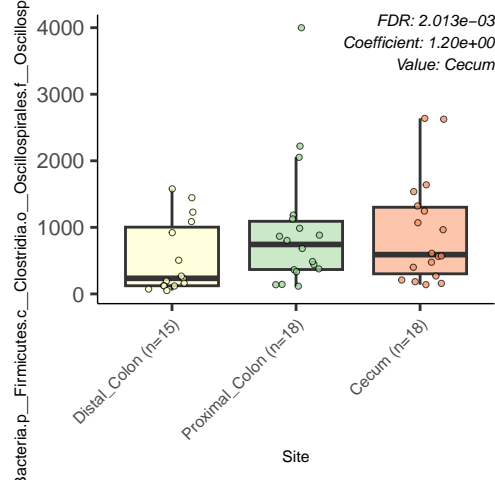


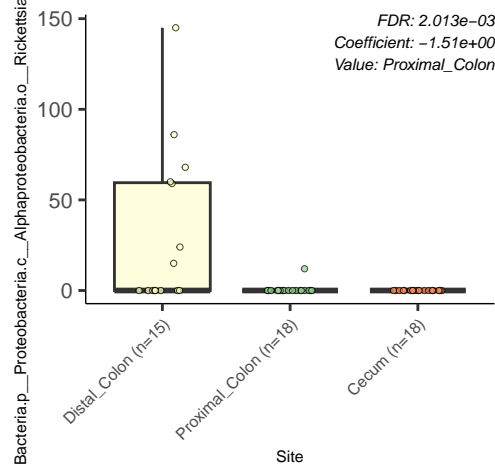
o_Proteobacteria.c_Gammaproteobacteria.o_Pseudomonadales

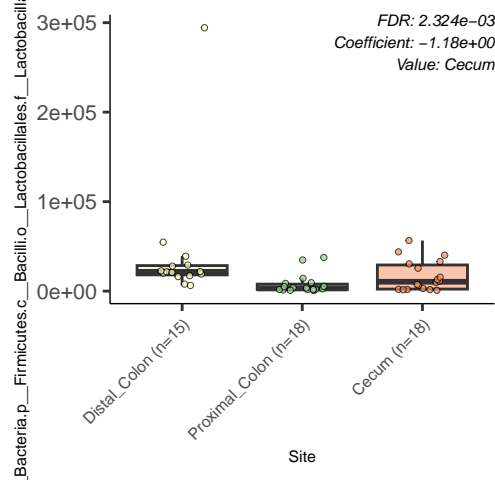
FDR: 1.860e-03
Coefficient: -2.56e+00
Value: Proximal_Colon





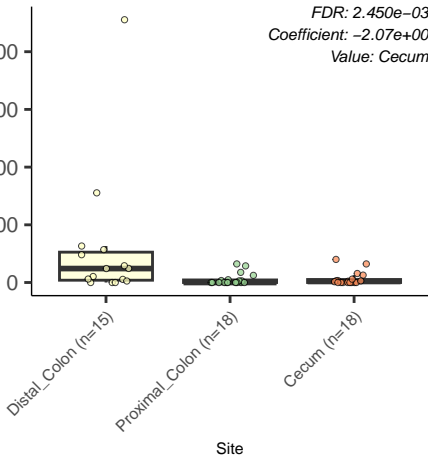


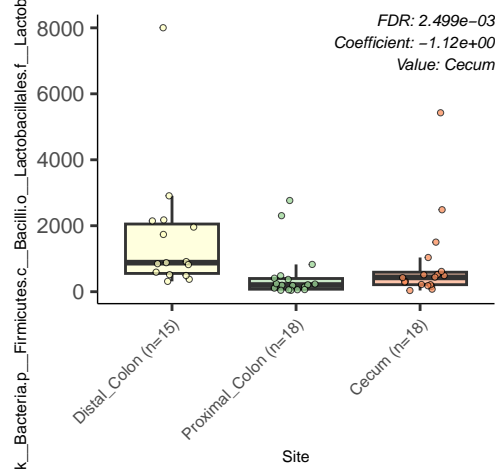


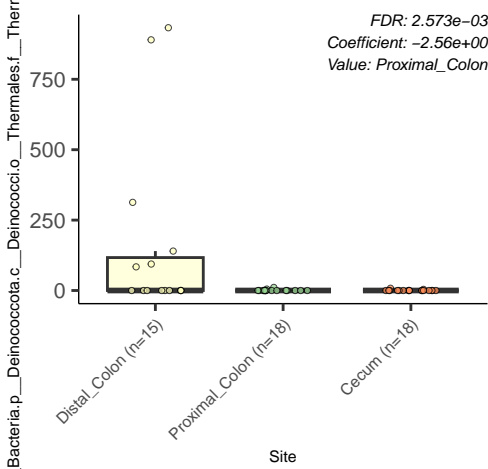


acteria.p__Firmicutes.c__Bacilli.o__Staphylococcales.f__Staphylococ

FDR: 2.450e-03
Coefficient: -2.07e+00
Value: Cecum

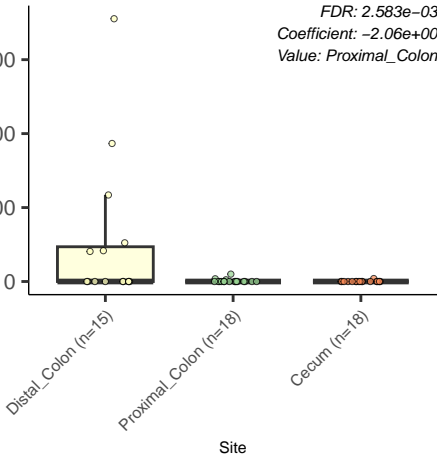




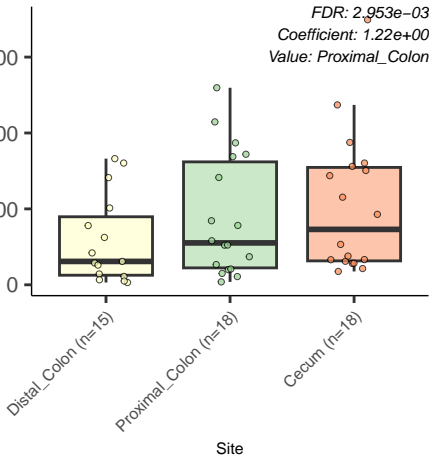


k__Bacteria.p__Firmicutes.c__Bacilli.o__Bacillales.f__Bacillaceae

FDR: 2.583e-03
Coefficient: -2.06e+00
Value: Proximal_Colon

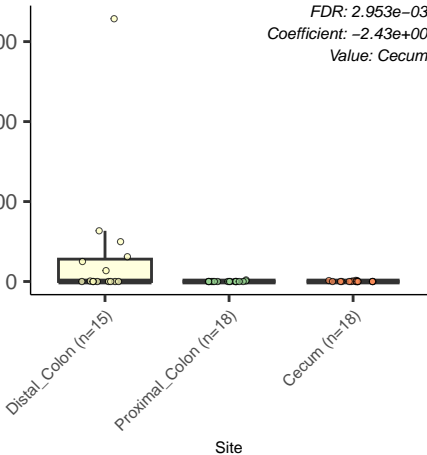


acteria.p__Firmicutes.c__Clostridia.o__Oscillospirales.f__Ruminoc

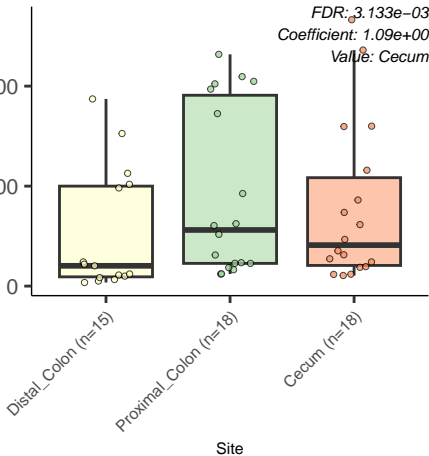


o_Proteobacteria.c__Gammaproteobacteria.o__Pseudomonadales

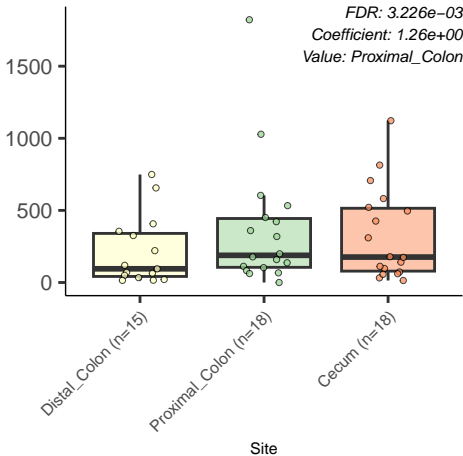
FDR: $2.953e-03$
Coefficient: $-2.43e+00$
Value: Cecum



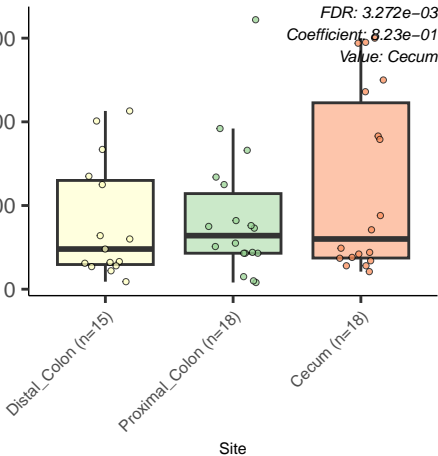
Bacteria.p__Firmicutes.c__Clostridia.o__Oscillospirales.f__Oscillospirillum



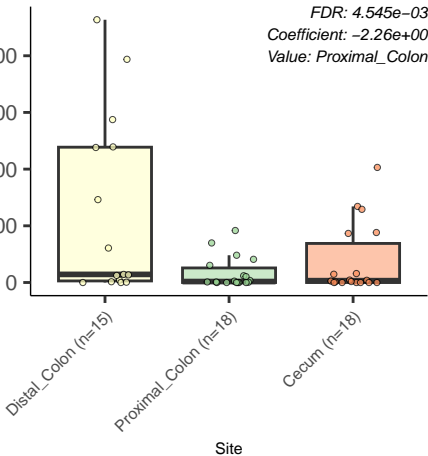
k_Bacteria.p_Firmicutes.c_Clostridia.o_Peptococcales.f_P

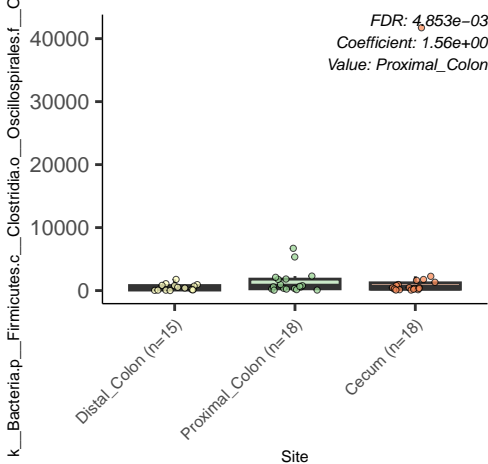


Bacteria.p__Bacteroidota.c__Bacteroidia.o__Bacteroidales.f__Mar



.p_Actinobacteriota.c_Actinobacteria.o_Bifidobacteriales.f_Bifidobacteriales





Firmicutes.c__Clostridia.o__Lachnospirales.f__Lachnospiraceae

2000

1500

1000

500

0

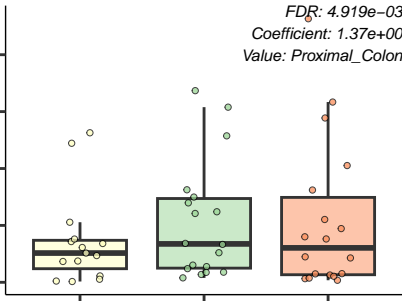
Distal_Colon (n=15)

Proximal_Colon (n=18)

Cecum (n=18)

Site

FDR: 4.919×10^{-3}
Coefficient: 1.37×10^0
Value: Proximal_Colon



a.p__Desulfobacterota.c__Desulfovibrionia.o__Desulfovibrionales.f

600
400
200
0

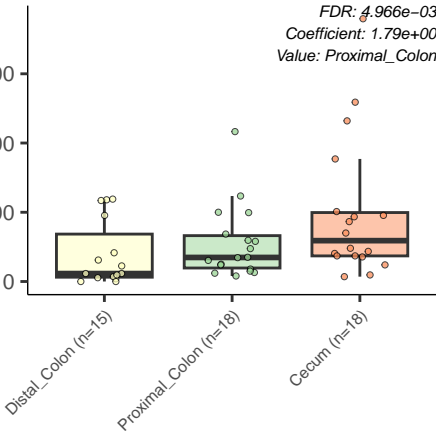
Distal_Colon (n=15)

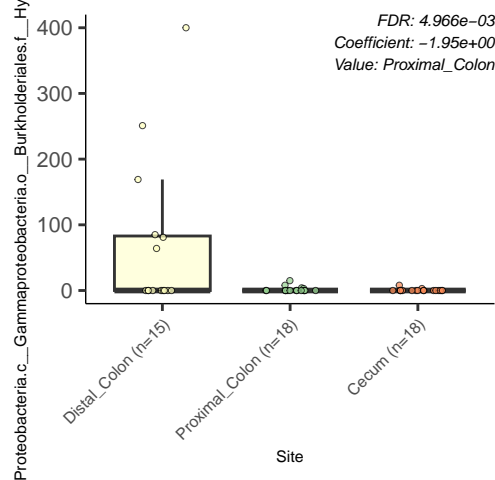
Proximal_Colon (n=18)

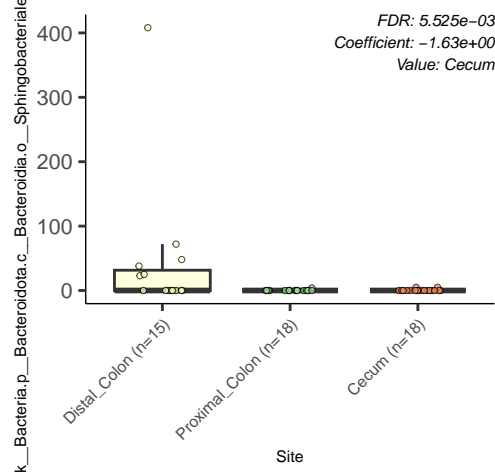
Cecum (n=18)

Site

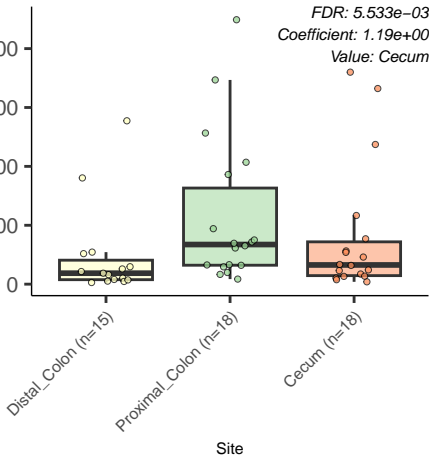
FDR: $4.966e-03$
Coefficient: $1.79e+00$
Value: Proximal_Colon



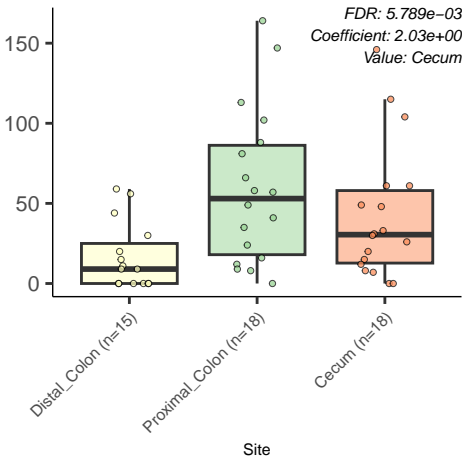


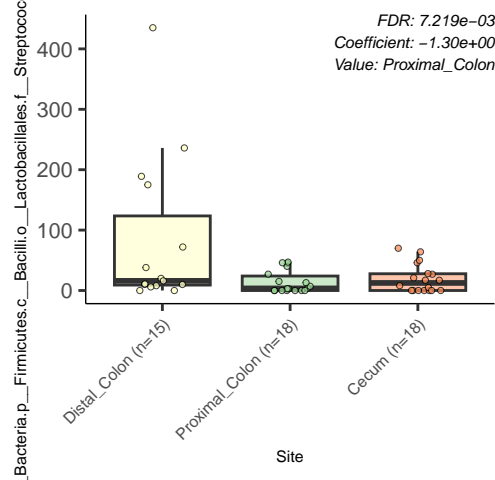


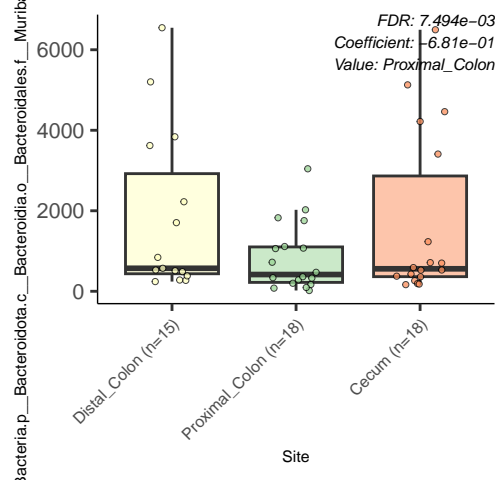
k_Bacteria.p_Firmicutes.c_Clostridia.o_Lachnospirales.f_La



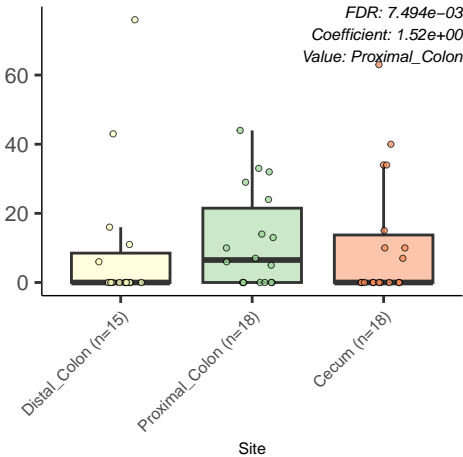
Bacteria.p_Firmicutes.c_Clostridia.o_Oscillospirales.f_Butyric

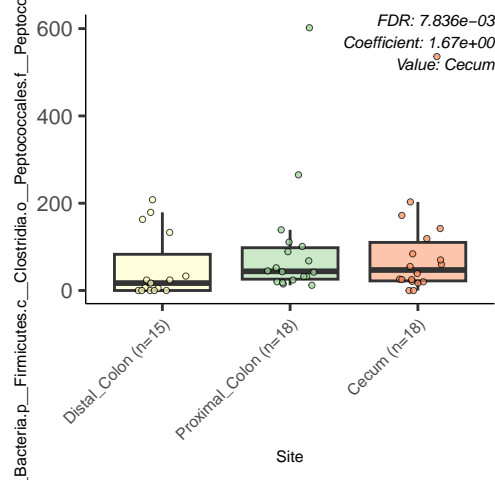




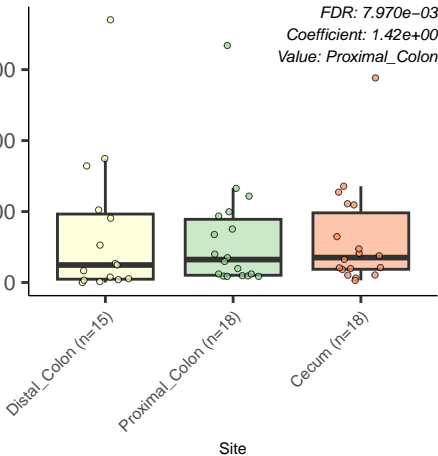


a.p._Firmicutes.c._Clostridia.o._Lachnospirales.f._Lachnospirace

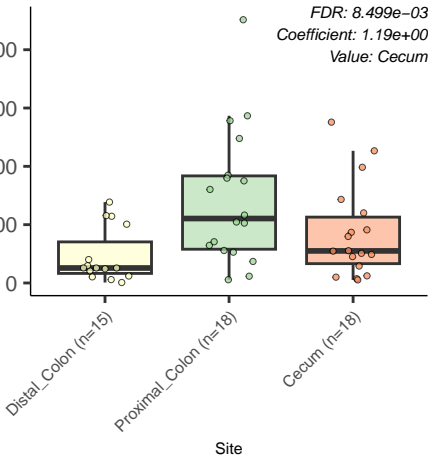




k_Bacteria.p__Cyanobacteria.c__Vampirivibrionia.o__Gastrana

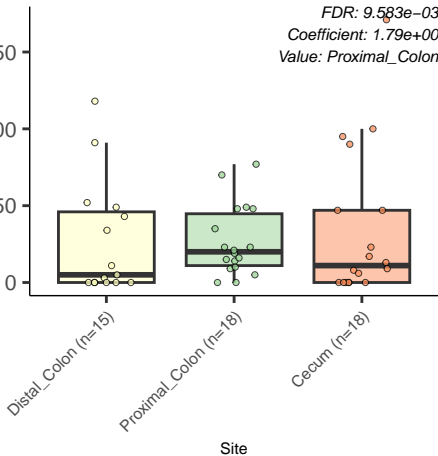


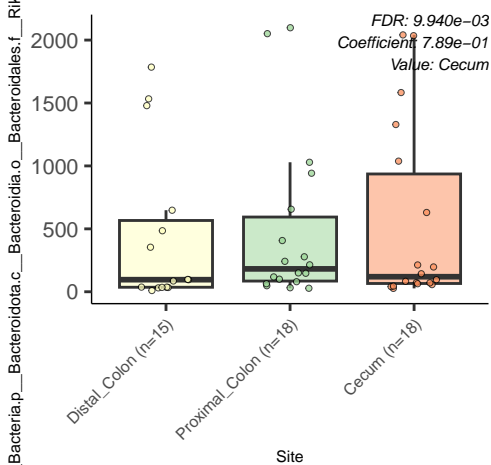
Bacteria.p_Firmicutes.c_Clostridia.o_Lachnospirales.f_Lachn

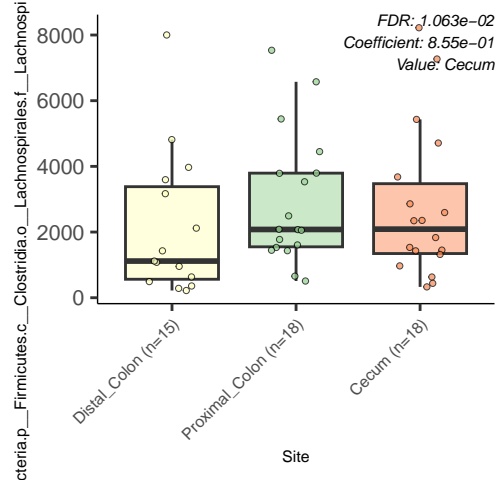


Bacteria.p_Firmicutes.c_Clostridia.o_Oscillospirales.f_Oscillosp

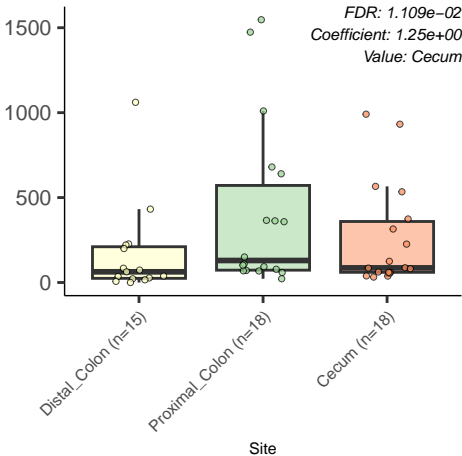
FDR: $9.583e-03$
Coefficient: $1.79e+00$
Value: Proximal_Colon



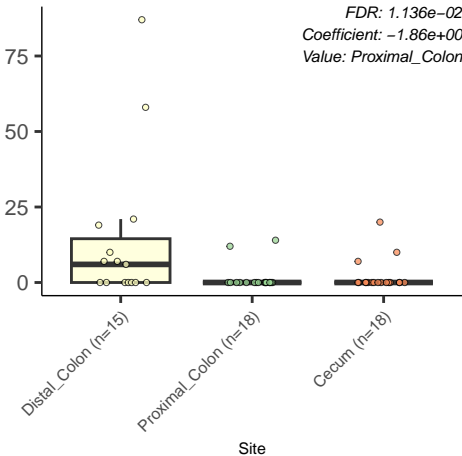




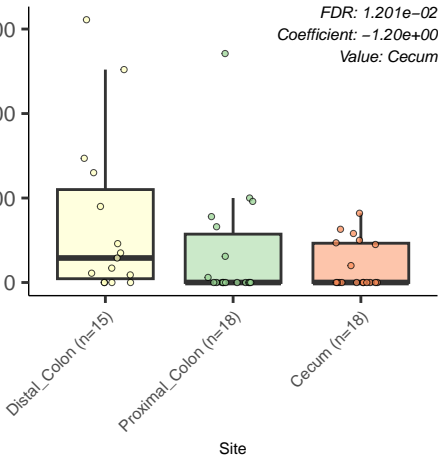
Bacteria.p_Firmicutes.c_Clostridia.o_Lachnospirales.f_Lachno



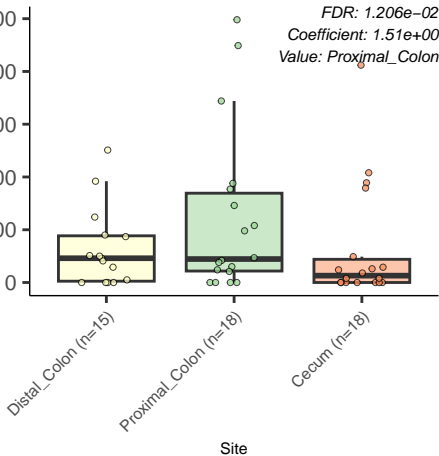
cteria.p__Firmicutes.c__Clostridia.o__Oscillospirales.f__Ruminococ



oteobacteria.c__Gammaproteobacteria.o__Enterobacterales.f__Ent

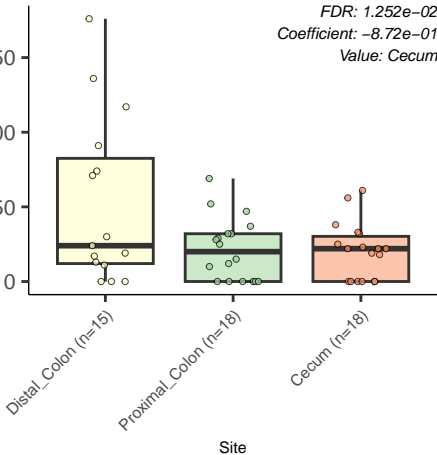


Firmicutes.c__Clostridia.o__Lachnospirales.f__Lachnospiraceae.g

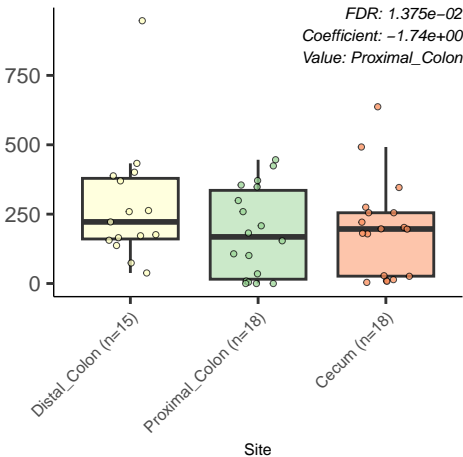


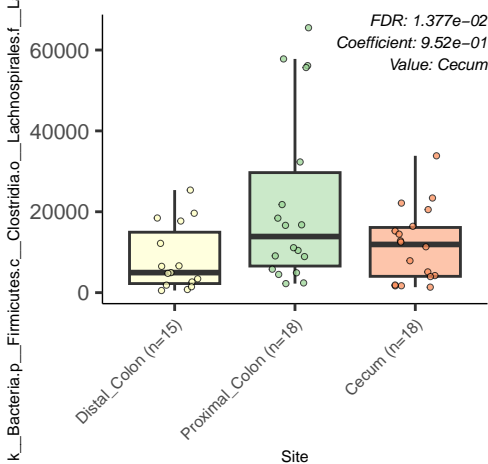
k_Bacteria.p_Firmicutes.c_Bacilli.o_Lactobacillales.f_Liste

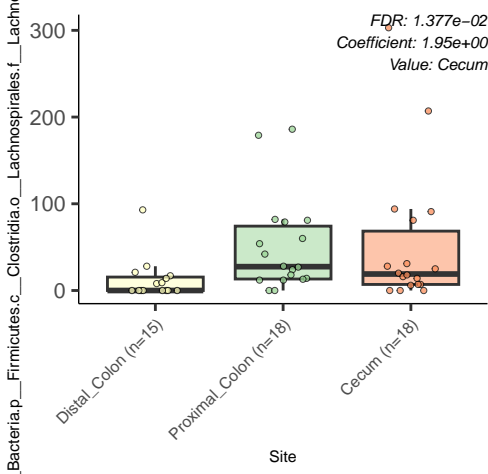
FDR: 1.252e-02
Coefficient: -8.72e-01
Value: Cecum



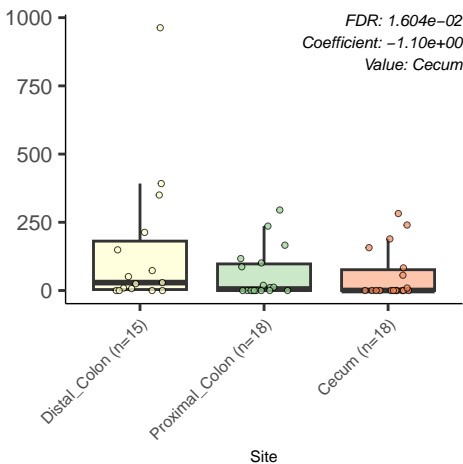
Proteobacteria.c__Gammaproteobacteria.o__Pseudomonadales.f

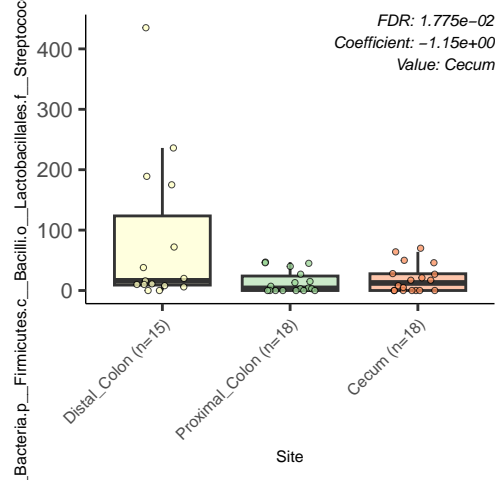




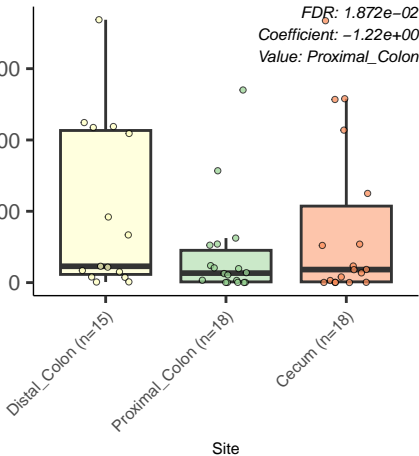


...Bacteria.p_Firmicutes.c_Clostridia.o_Lachnospirales.f_Lach



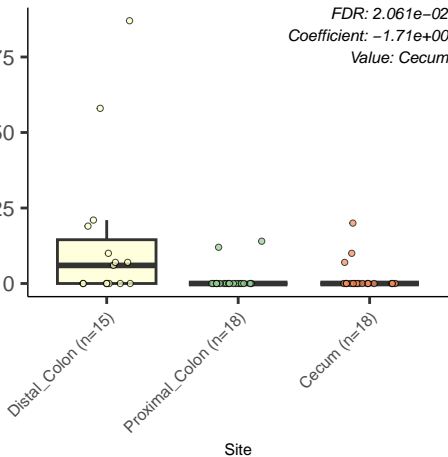


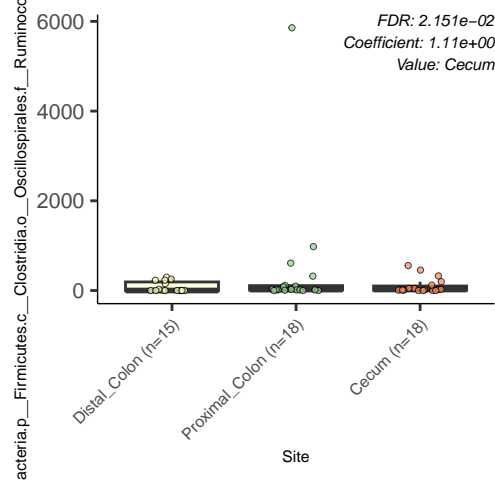
Bacteria.p_Firmicutes.c_Bacilli.o_Erysipelotrichales.f_Erysipel



cteria.p__Firmicutes.c__Clostridia.o__Oscillospirales.f__Ruminococcus

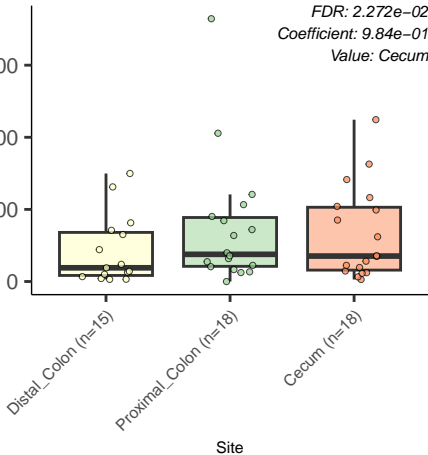
FDR: $2.061e-02$
Coefficient: $-1.71e+00$
Value: Cecum



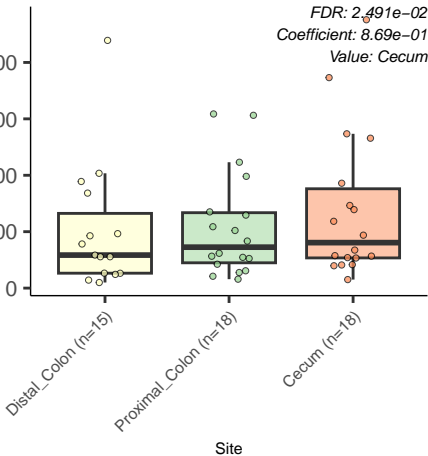


k_Bacteria.p_Firmicutes.c_Clostridia.o_Peptococcales.f_P

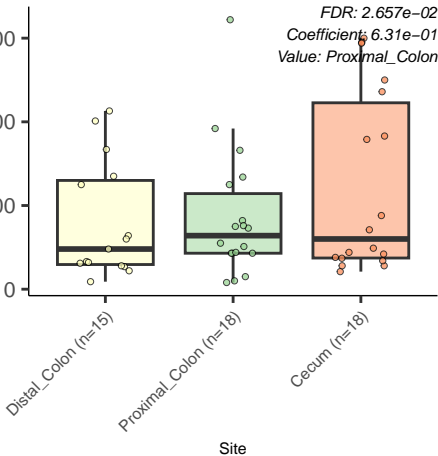
FDR: 2.272e-02
Coefficient: 9.84e-01
Value: Cecum

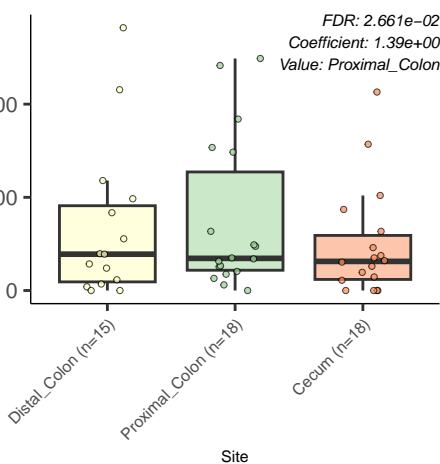


Bacteria.p_Firmicutes.c_Clostridia.o_Lachnospirales.f_Lachnos

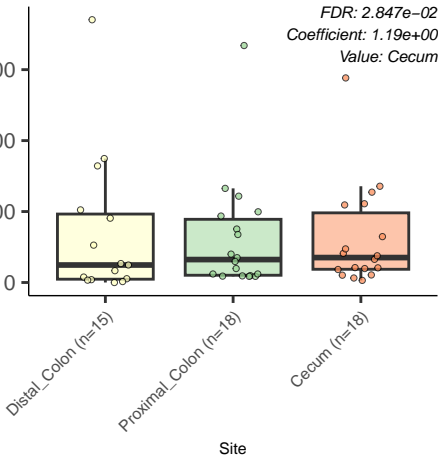


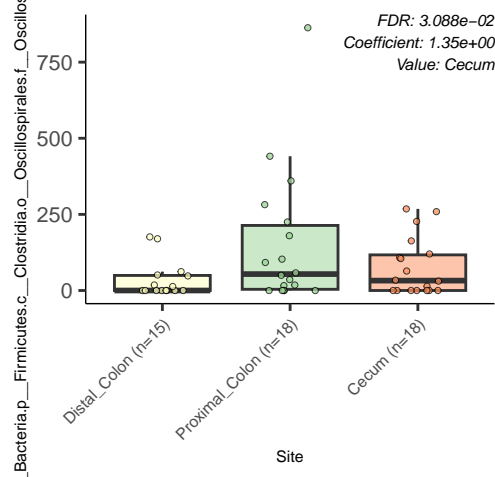
Bacteria.p__Bacteroidota.c__Bacteroidia.o__Bacteroidales.f__Mar

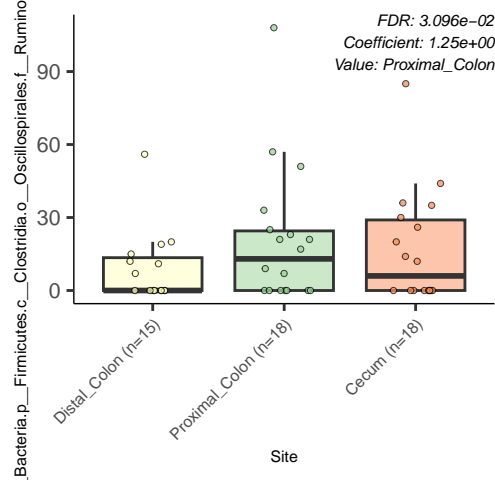




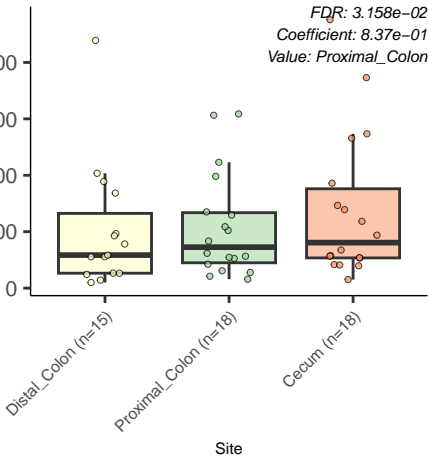
k_Bacteria.p__Cyanobacteria.c__Vampirivibrionia.o__Gastrana





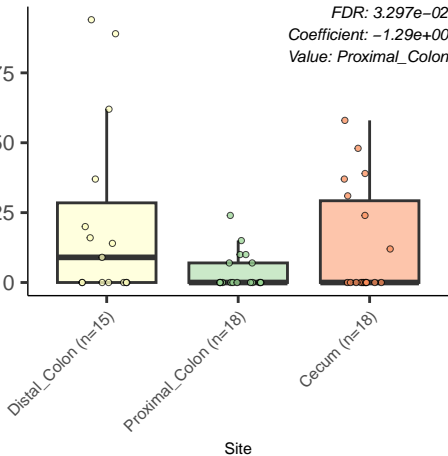


Bacteria.p_Firmicutes.c_Clostridia.o_Lachnospirales.f_Lachnos

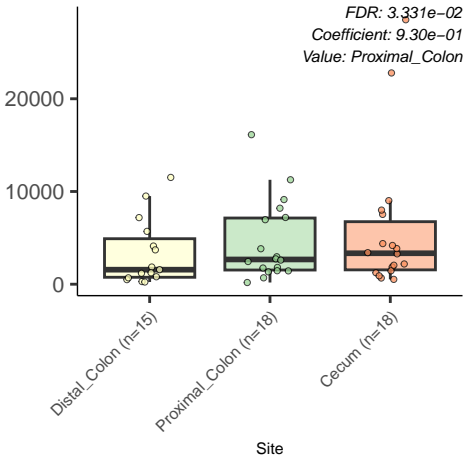


icutes.c__Clostridia.o__Peptostreptococcales.Tissierellales.f__Anaer

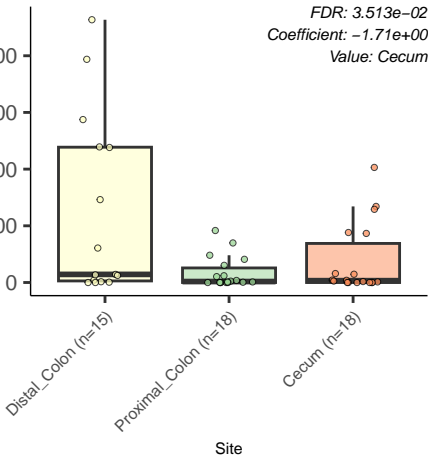
FDR: 3.297e-02
Coefficient: -1.29e+00
Value: Proximal_Colon

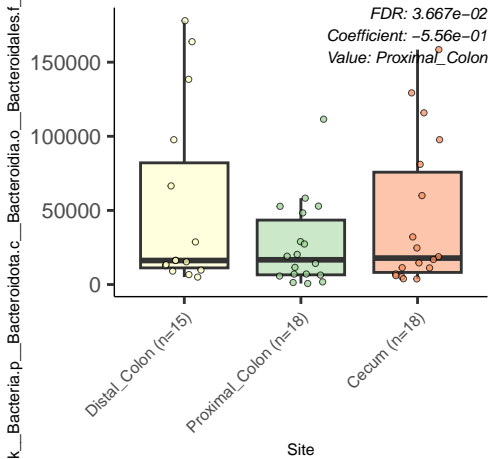


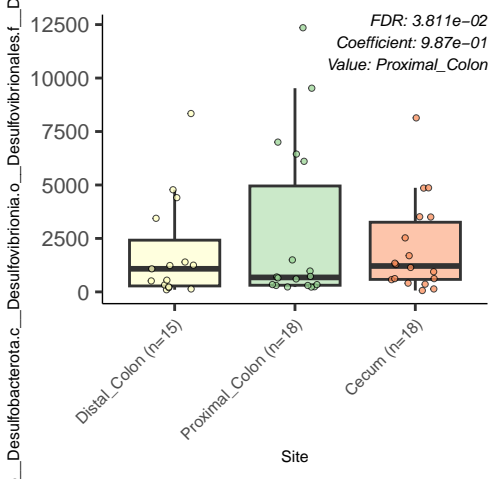
a.p._Firmicutes.c._Clostridia.o._Lachnospirales.f._Lachnospirace



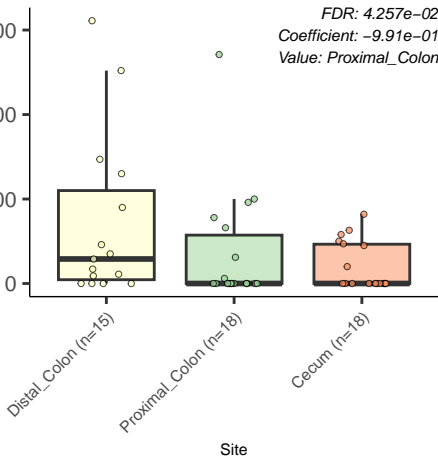
.p_Actinobacteriota.c_Actinobacteria.o_Bifidobacteriales.f_Bifidobacteriales



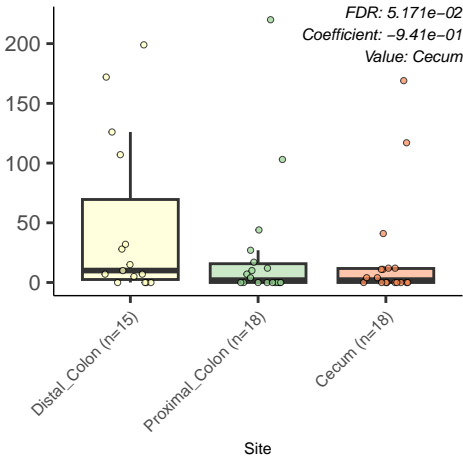




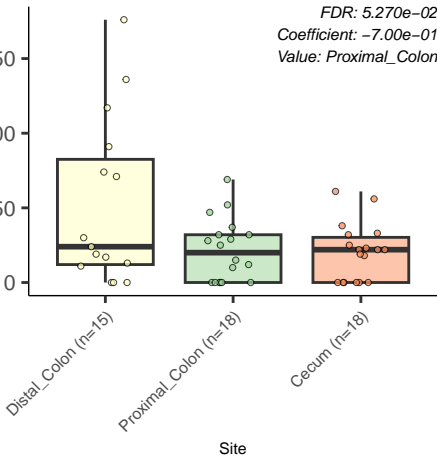
oteobacteria.c__Gammaproteobacteria.o__Enterobacterales.f__Ent



Bacteria.p_Firmicutes.c_Clostridia.o_Monoglobales.f_Monog

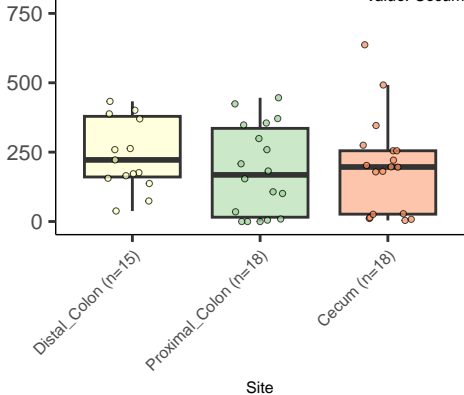


k_Bacteria.p_Firmicutes.c_Bacilli.o_Lactobacillales.f_Liste

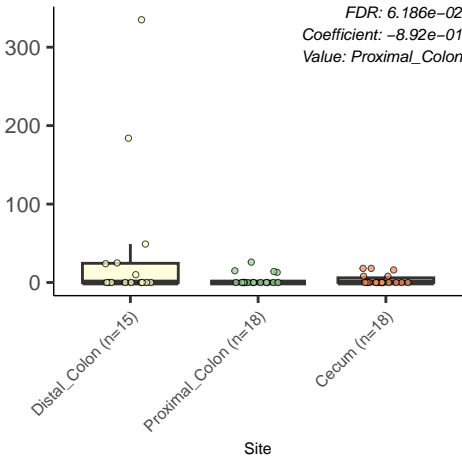


Proteobacteria.c__Gammaproteobacteria.o__Pseudomonadales.f

FDR: $5.471e-02$
Coefficient: $-1.41e+00$
Value: Cecum

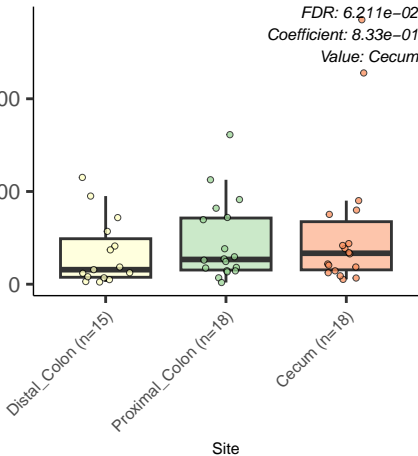


Bacteria.p__Bacteroidota.c__Bacteroidia.o__Bacteroidales.f__Prev

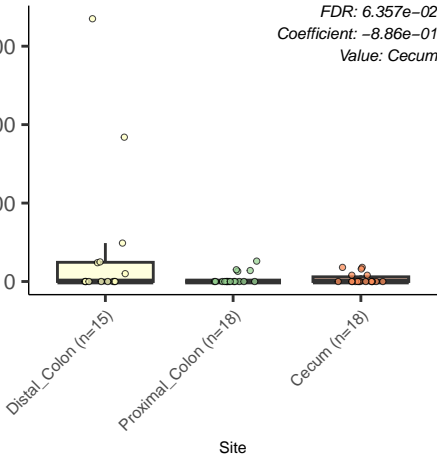


a.p._Firmicutes.c._Clostridia.o._Lachnospirales.f._Lachnospirace

FDR: 6.211e-02
Coefficient: 8.33e-01
Value: Cecum

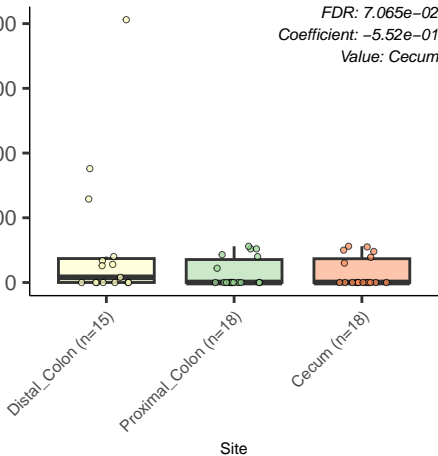


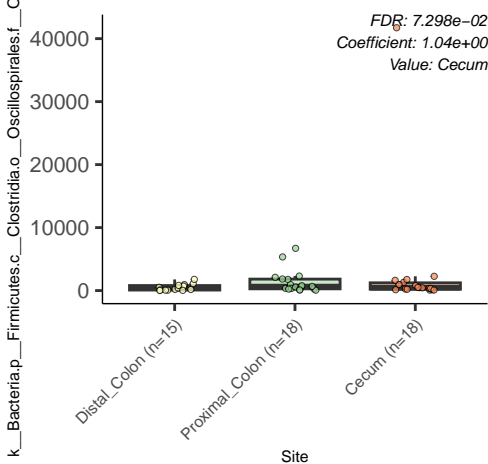
FDR: $6.357e-02$
Coefficient: $-8.86e-01$
Value: Cecum



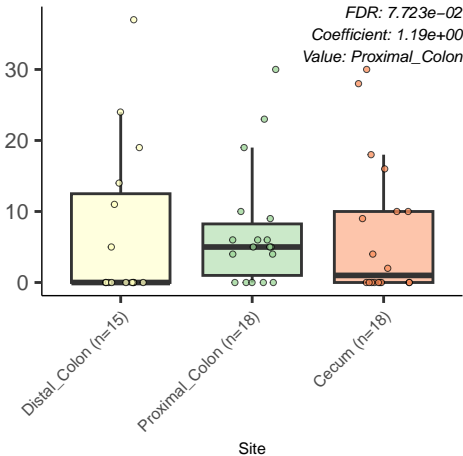
k_Bacteria.p__Firmicutes.c__Bacilli.o__Bacillales.f__Bacilla

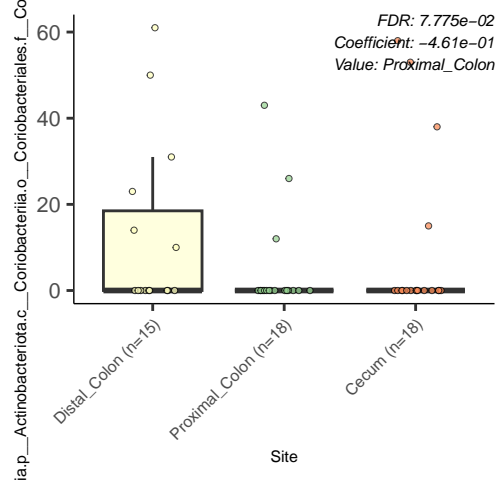
FDR: $7.065e-02$
Coefficient: $-5.52e-01$
Value: Cecum

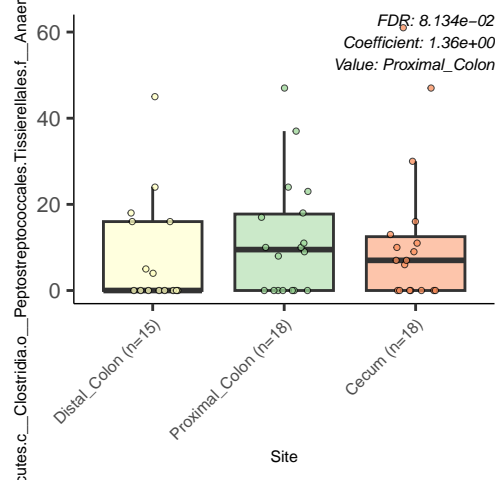




Bacteria.p_Firmicutes.c_Clostridia.o_Eubacteriales.f_Anaerob

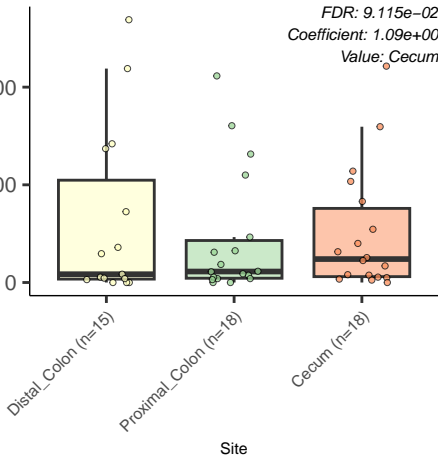


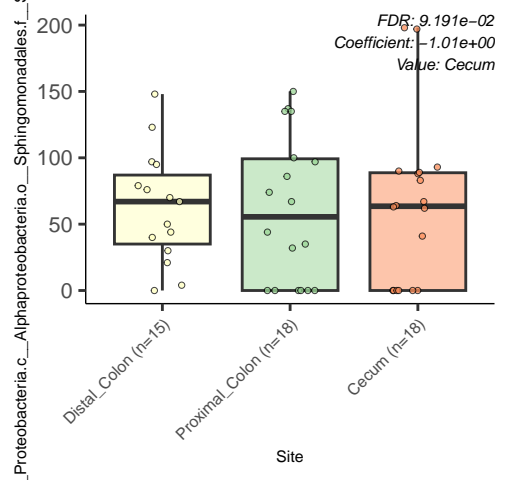




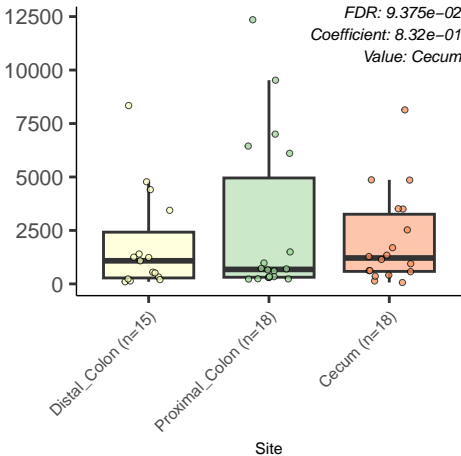
k_Bacteria.p_Firmicutes.c_Bacilli.o_Erysipelotrichales.f_Ery

FDR: $9.115e-02$
Coefficient: $1.09e+00$
Value: Cecum



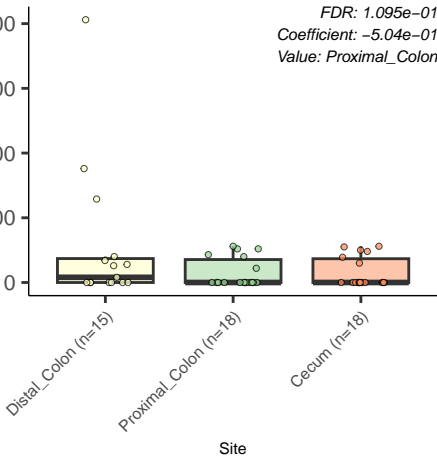


Desulfobacterota.c_Desulfovibrionia.o_Desulfovibrionales.f_D

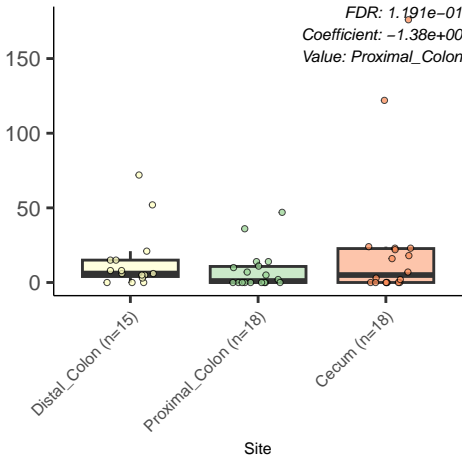


k_Bacteria.p__Firmicutes.c__Bacilli.o__Bacillales.f__Bacilla

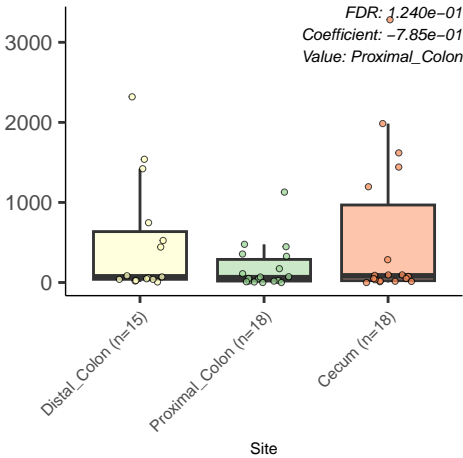
FDR: 1.095e-01
Coefficient: -5.04e-01
Value: Proximal_Colon

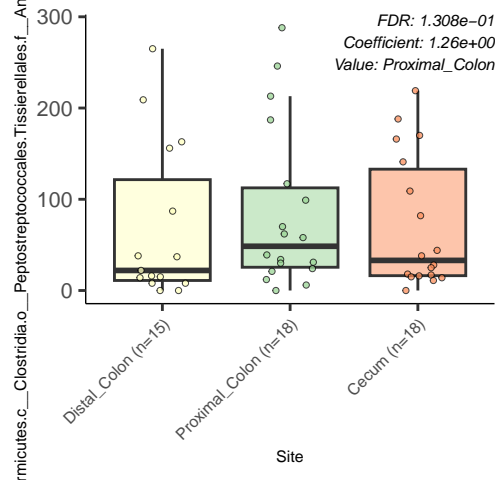


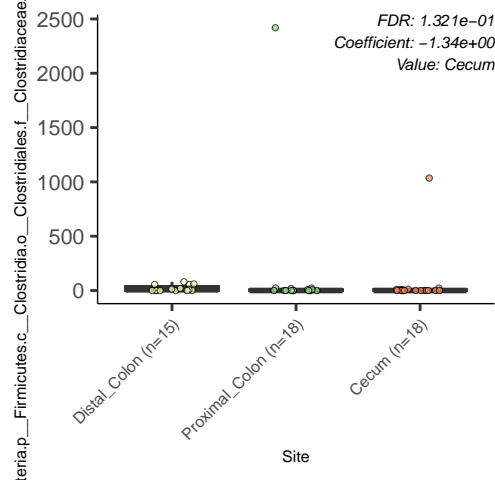
k_Bacteria.p_Firmicutes.c_Clostridia.o_Oscillospirales.f



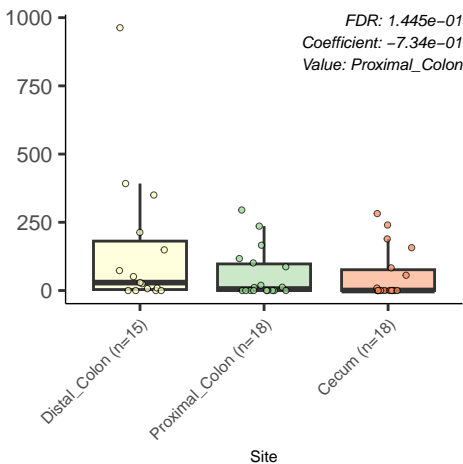
.p__Bacteroidota.c__Bacteroidia.o__Bacteroidales.f__Rikenellaceae



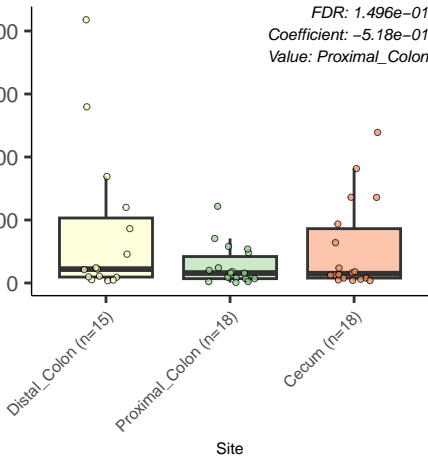




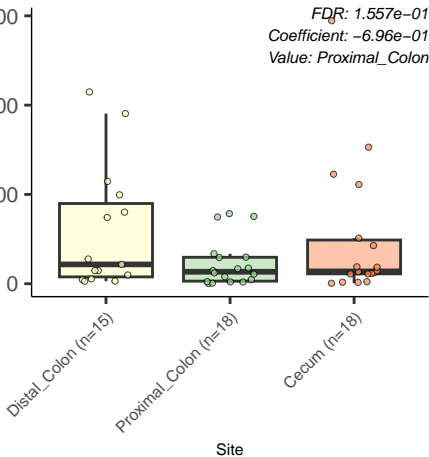
..._Bacteria.p_Firmicutes.c_Clostridia.o_Lachnospirales.f_Lach



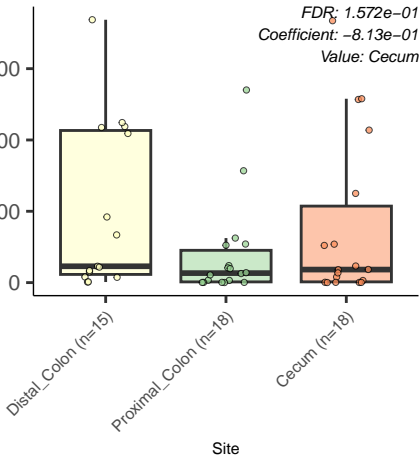
Bacteria.p__Bacteroidota.c__Bacteroidia.o__Bacteroidales.f__Bacte



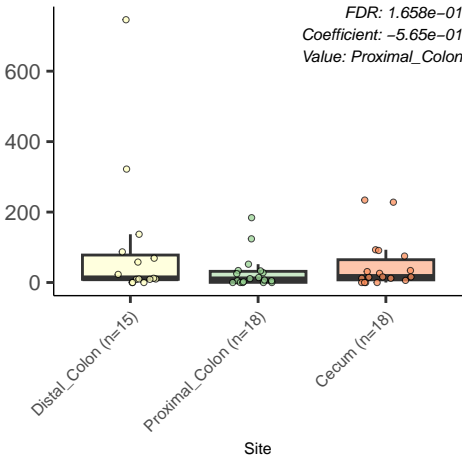
Actinobacteriota.c__Coriobacteriia.o__Coriobacteriales.f__Atopob

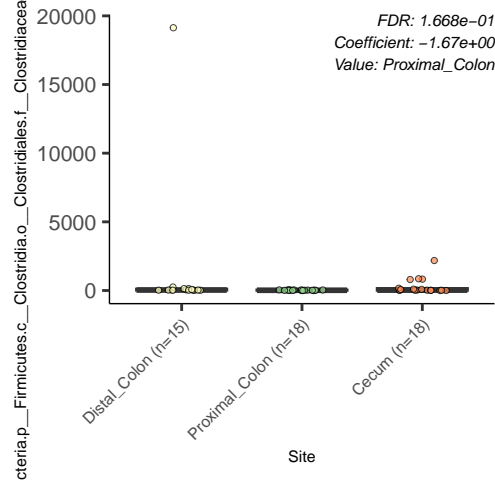


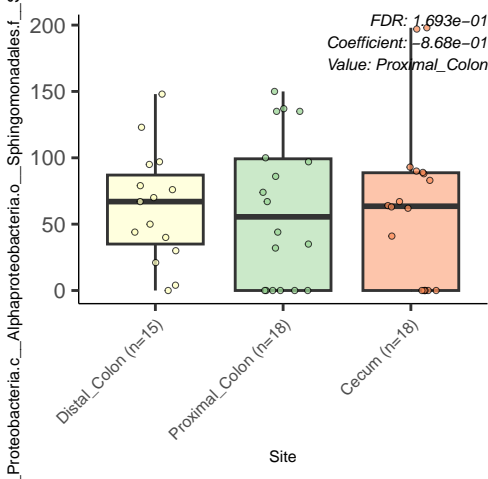
Bacteria.p_Firmicutes.c_Bacilli.o_Erysipelotrichales.f_Erysipel



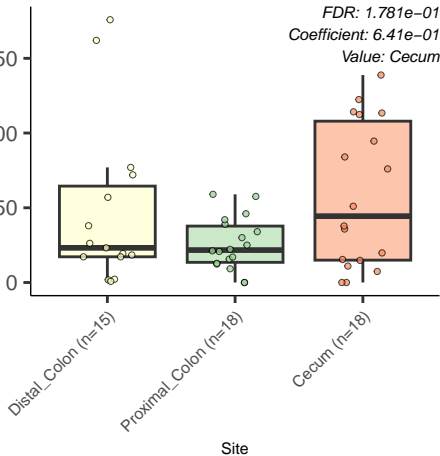
k_Bacteria.p__Proteobacteria.c__Alphaproteobacteria.o__Rho





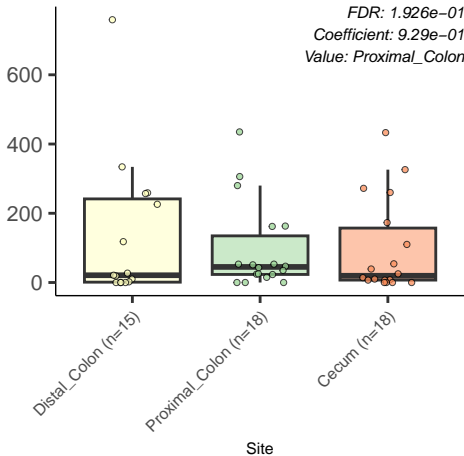


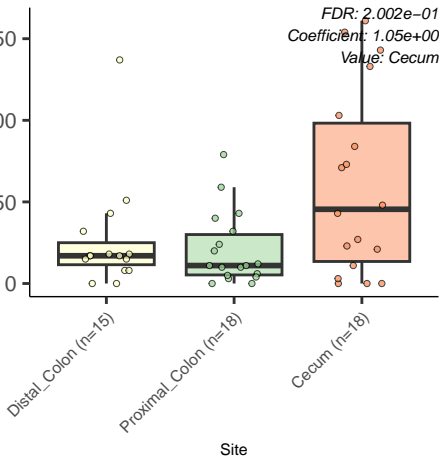
eria.p__Firmicutes.c__Clostridia.o__Oscillospirales.f__Eubacterium



ia.p__Actinobacteriota.c__Coriobacteriia.o__Coriobacteriales.f__Eg

FDR: 1.926e-01
Coefficient: 9.29e-01
Value: Proximal_Colon





bacteria.p_Firmicutes.c_Clostridia.o_Lachnospirales.f_Lachnosp

FDR: 2.165e-01
Coefficient: 6.00e-01
Value: Cecum

2000

1000

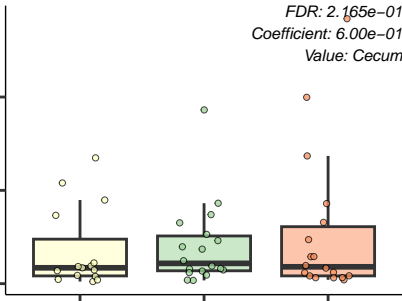
0

Distal_Colon (n=15)

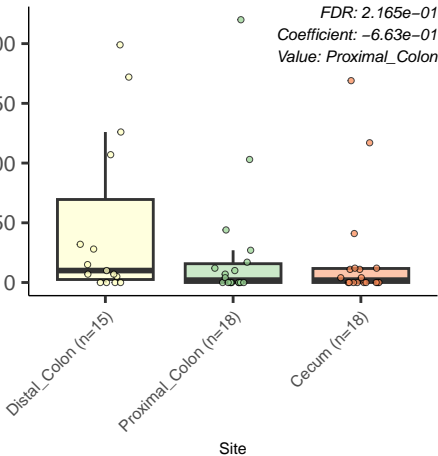
Proximal_Colon (n=18)

Cecum (n=18)

Site

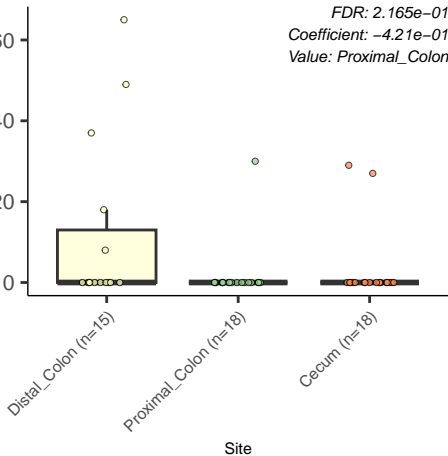


Bacteria.p_Firmicutes.c_Clostridia.o_Monoglobales.f_Monog

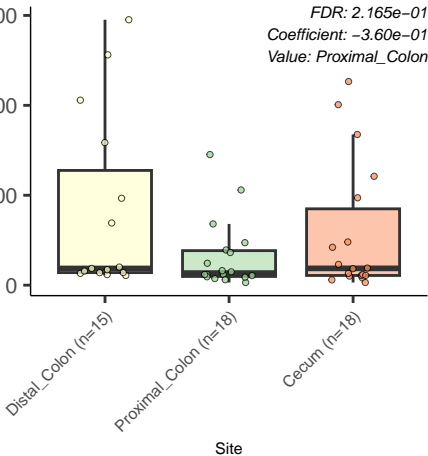


cteria.p__Firmicutes.c__Clostridia.o__Oscillospirales.f__Ruminococ

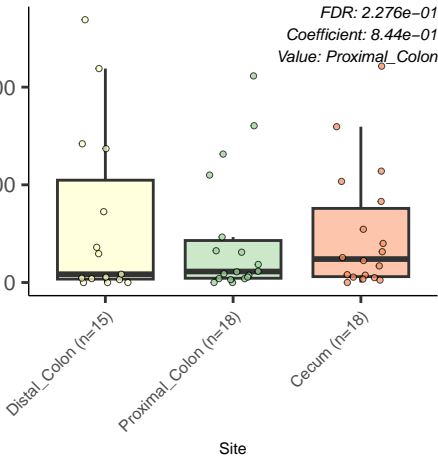
FDR: 2.165e-01
Coefficient: -4.21e-01
Value: Proximal_Colon



.p__Proteobacteria.c__Gammaproteobacteria.o__Burkholderiales.f__

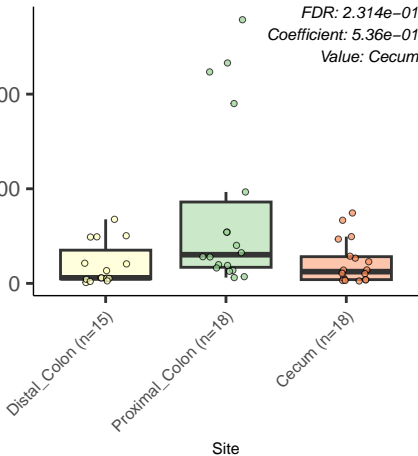


k_Bacteria.p_Firmicutes.c_Bacilli.o_Erysipelotrichales.f_Ery

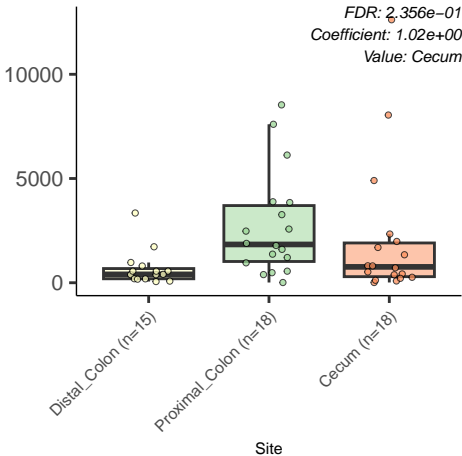


Firmicutes.c__Clostridia.o__Lachnospirales.f__Lachnospiraceae.g__

FDR: 2.314e-01
Coefficient: 5.36e-01
Value: Cecum

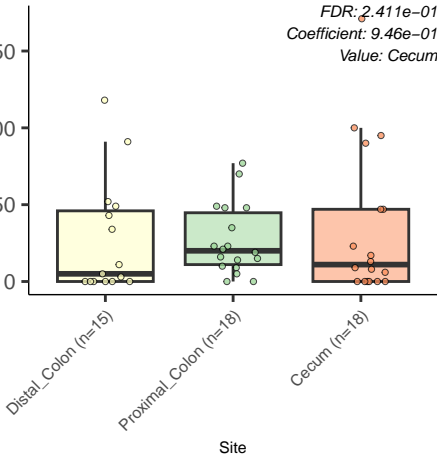


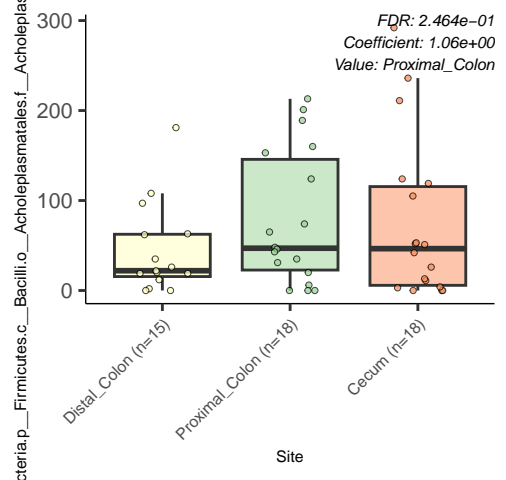
a.p._Firmicutes.c._Clostridia.o._Lachnospirales.f._Lachnospirace



Bacteria.p_Firmicutes.c_Clostridia.o_Oscillospirales.f_Oscillosp

FDR: $2.411e-01$
Coefficient: $9.46e-01$
Value: Cecum





Firmicutes.c__Clostridia.o__Lachnospirales.f__Lachnospiraceae

FDR: 2.464×10^{-1}
Coefficient: 6.62×10^{-1}
Value: Cecum

