

FDR: 2.596e-29
Coefficient: -5.47e+00
Value: Canis_lupus

20000

10000

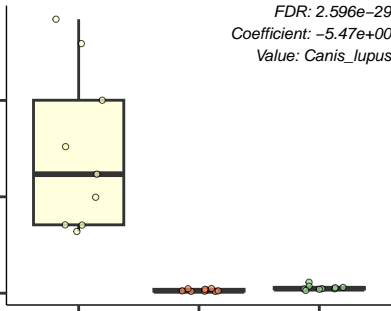
0

FR (n=9)

Canis_lupus (n=9)

Homo_sapiens (n=9)

source



FDR: $1.032e-27$
Coefficient: $-4.55e+00$
Value: Homo_sapiens

20000

10000

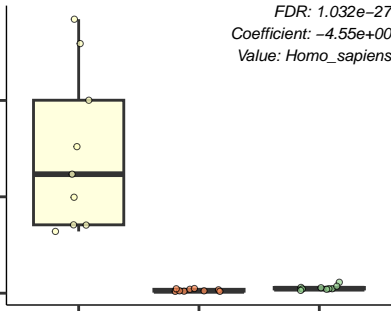
0

FR (n=9)

Canis_lupus (n=9)

Homo_sapiens (n=9)

source



Bacteria.Firmicutes.Clostridia.Clostridiales.missili

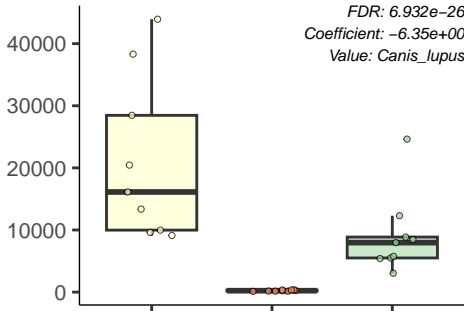
FDR: $6.932e-26$
Coefficient: $-6.35e+00$
Value: *Canis_lupus*

FR (n=9)

Canis_lupus (n=9)

Homo_sapiens (n=9)

source



Bacteria.Firmicutes.Bacilli.Lactobacillales.Streptococ

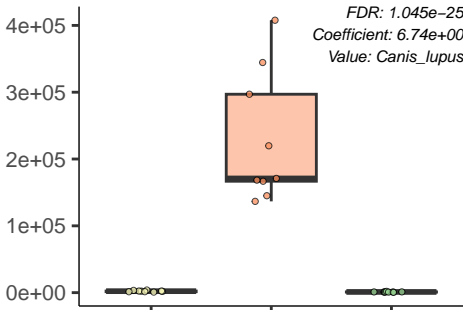
FDR: 1.045e-25
Coefficient: 6.74e+00
Value: Canis_lupus

FR (n=9)

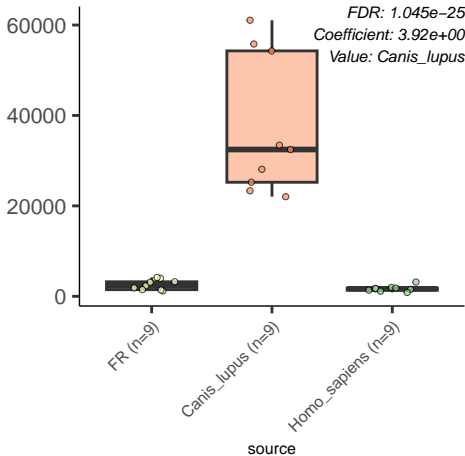
Canis_lupus (n=9)

Homo_sapiens (n=9)

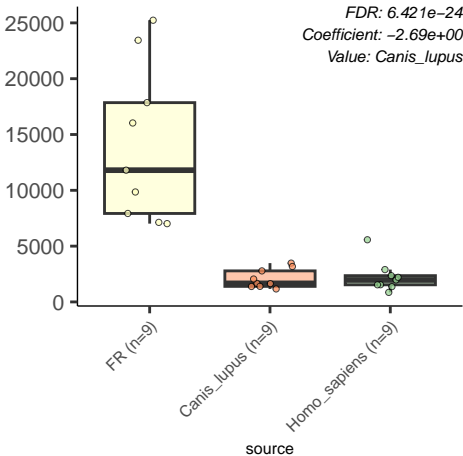
source



Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiales.Family.X

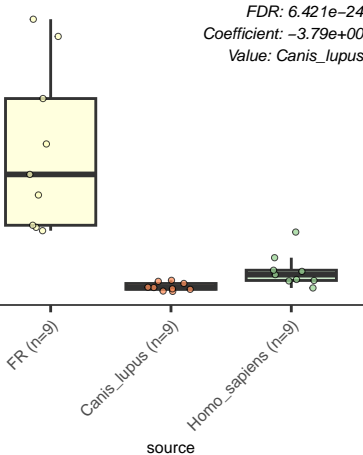


Bacteria.Firmicutes.Clostridia.Clostridiales.Hungateiclos



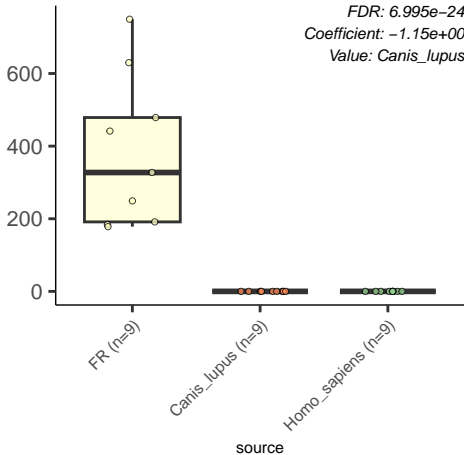
Bacteria.Firmicutes.Clostridia.Clostridiales.Oscillospira

FDR: 6.421e-24
Coefficient: -3.79e+00
Value: Canis_lupus



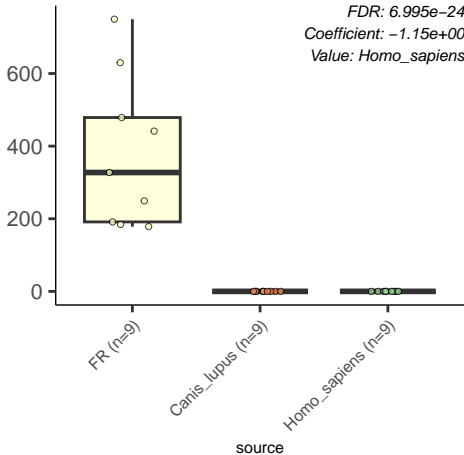
Bacteria.Firmicutes.Clostridia.Clostridiales.Vallitalea

FDR: 6.995e-24
Coefficient: -1.15e+00
Value: Canis_lupus

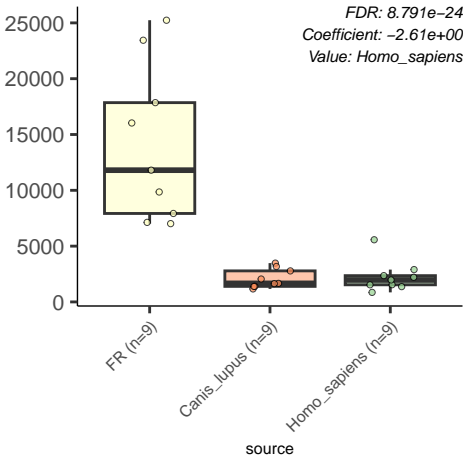


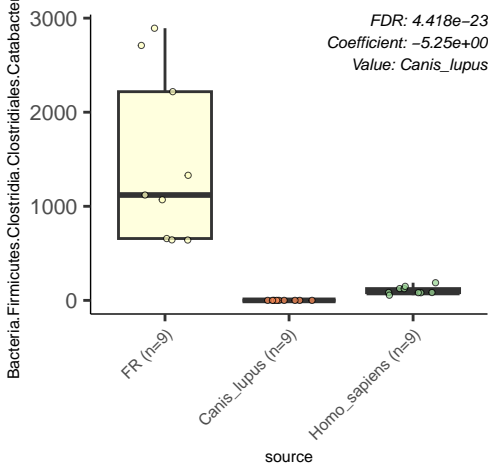
Bacteria.Firmicutes.Clostridia.Clostridiales.Vallitalea

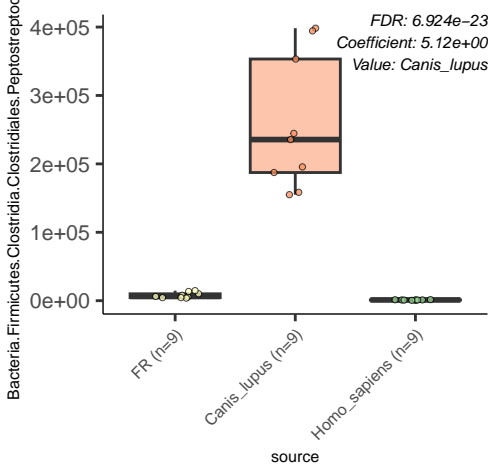
FDR: $6.995e-24$
Coefficient: $-1.15e+00$
Value: Homo_sapiens

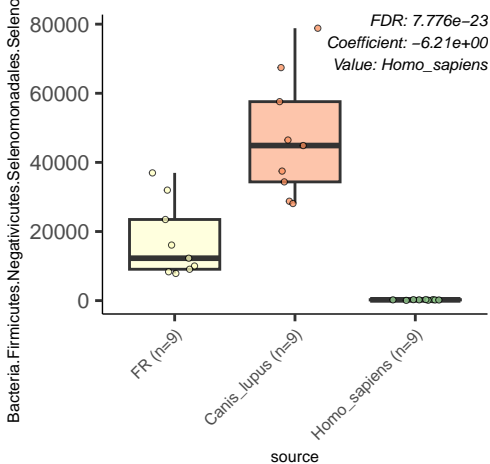


Bacteria.Firmicutes.Clostridia.Clostridiales.Hungateiclos









Bacteria.Firmicutes.Bacilli.Lactobacillales.Lactobacilli

FDR: 1.316e-22
Coefficient: 4.68e+00
Value: Canis_lupus

1e+05

5e+04

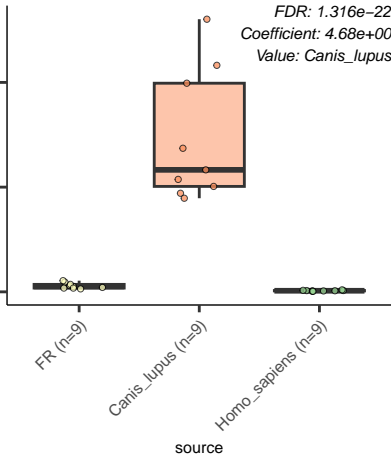
0e+00

FR (n=9)

Canis_lupus (n=9)

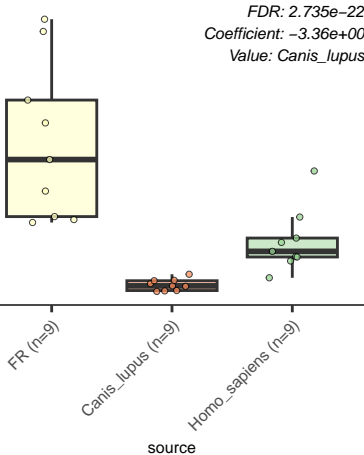
Homo_sapiens (n=9)

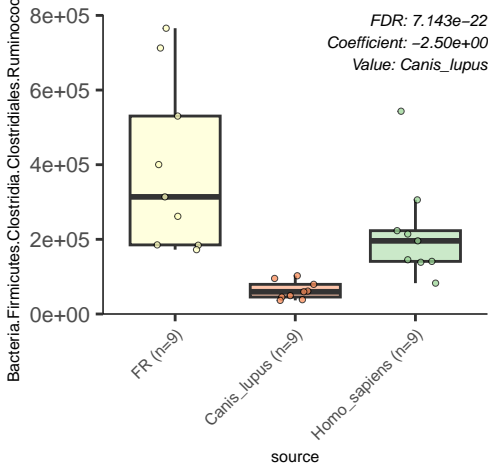
source

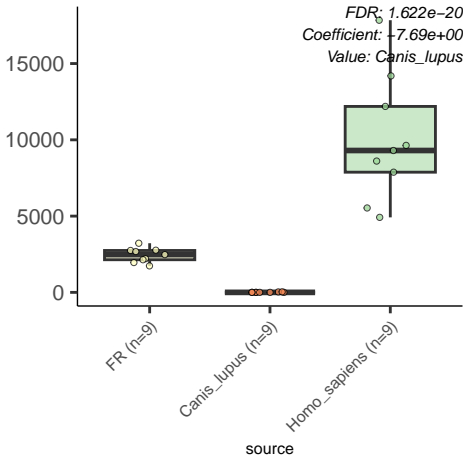


Bacteria.Firmicutes.Clostridia.Clostridiales.unassigned

FDR: $2.735e-22$
Coefficient: $-3.36e+00$
Value: *Canis_lupus*







FDR: $1.796e-20$
Coefficient: $-7.72e-01$
Value: *Canis_lupus*

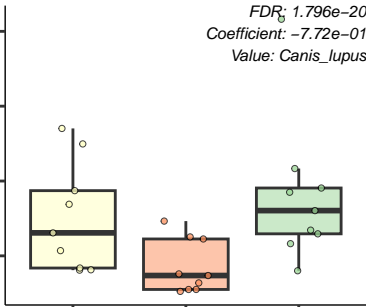
FR (n=9)

Canis_lupus (n=9)

Homo_sapiens (n=9)

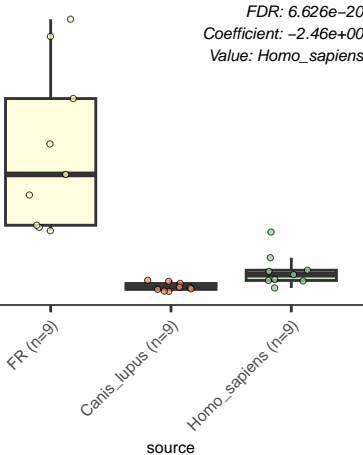
source

1600000
1200000
800000
400000



Bacteria.Firmicutes.Clostridia.Clostridiales.Oscillospira

FDR: $6.626e-20$
Coefficient: $-2.46e+00$
Value: Homo_sapiens



Bacteria.Candidatus.Melainabacteria.unassigned.Vampirovibrio

FDR: $1.463e-19$
Coefficient: $-3.88e+00$
Value: *Canis_lupus*

4000

2000

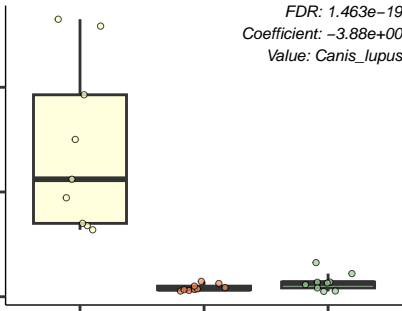
0

FR (n=9)

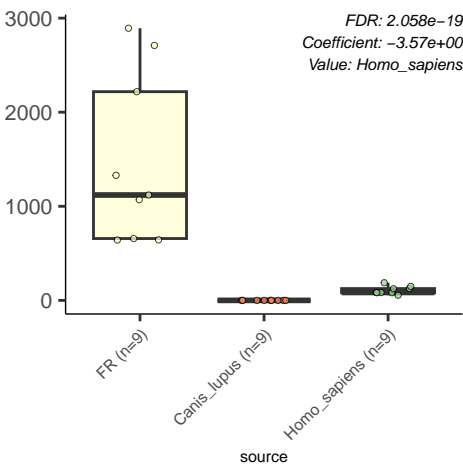
Canis_lupus (n=9)

Homo_sapiens (n=9)

source



Bacteria.Firmicutes.Clostridia.Clostridiales.Catabacter



Bacteria.Firmicutes.Negativicutes.Acidaminococcales.Acidan

FDR: 3.918e-19
Coefficient: 2.24e+00
Value: Homo_sapiens

60000

40000

20000

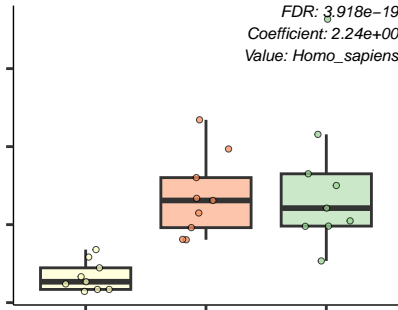
0

FR (n=9)

Canis_lupus (n=9)

Homo_sapiens (n=9)

source



Bacteria.Firmicutes.Negativicutes.Acidaminococcales.Acidan

FDR: 1.045e-18
Coefficient: 2.14e+00
Value: Canis_lupus

60000

40000

20000

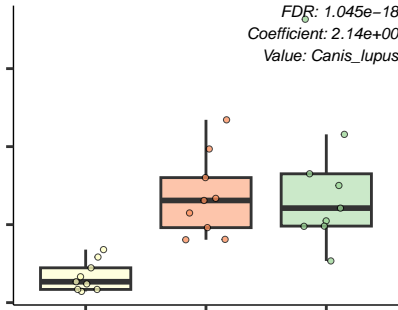
0

FR (n=9)

Canis_lupus (n=9)

Homo_sapiens (n=9)

source



Bacteria.Firmicutes.Clostridia.Clostridiales.Peptococ

15000
10000
5000
0

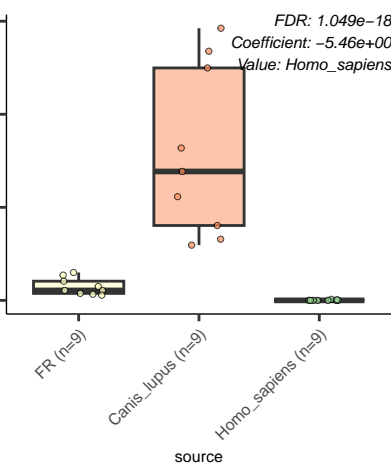
FR (n=9)

Canis_lupus (n=9)

Homo_sapiens (n=9)

source

FDR: 1.049e-18
Coefficient: -5.46e+00
Value: Homo_sapiens



Bacteria.Candidatus.Melainabacteria.unassigned.Vampirovibrio

FDR: $4.855e-18$
Coefficient: $-3.31e+00$
Value: Homo_sapiens

4000

2000

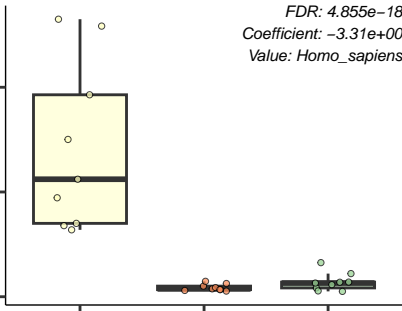
0

FR (n=9)

Canis_lupus (n=9)

Homo_sapiens (n=9)

source



Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Odorib

FDR: $8.252e-18$
Coefficient: $-6.13e+00$
Value: *Canis_lupus*

4000

2000

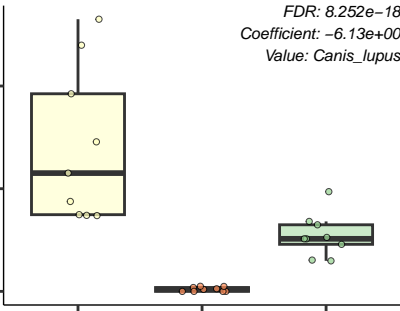
0

FR (n=9)

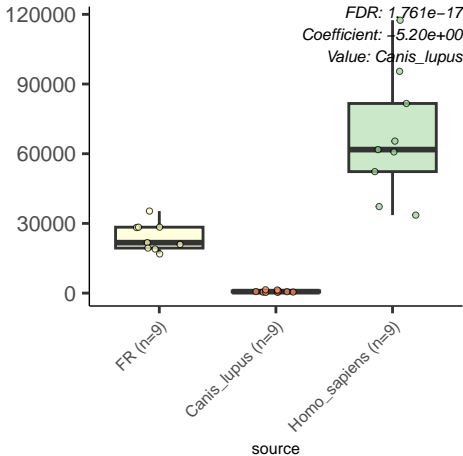
Canis_lupus (n=9)

Homo_sapiens (n=9)

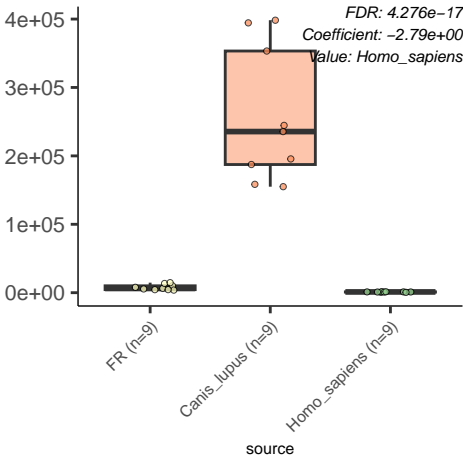
source



Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.m

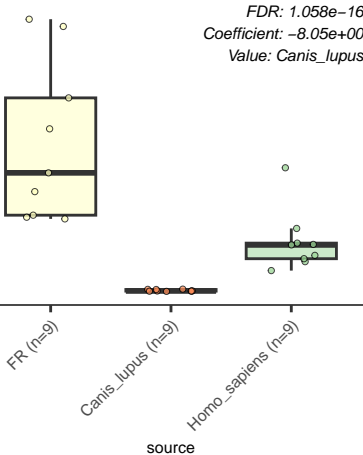


Bacteria.Firmicutes.Clostridia.Clostridiales.Peptostreptococci

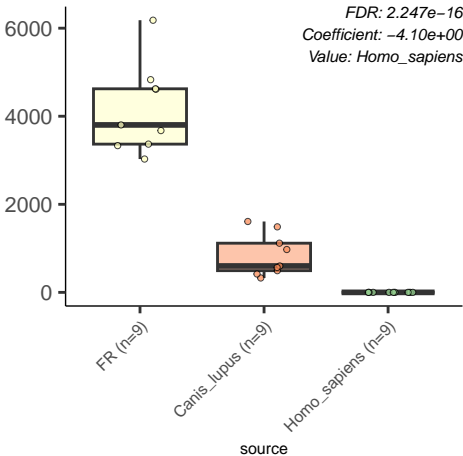


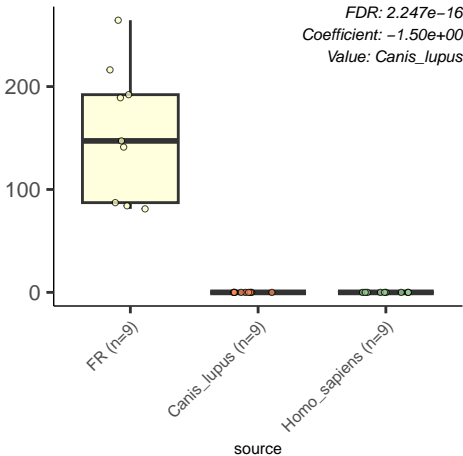
Bacteria.Firmicutes.Clostridia.Clostridiales.Eubacter

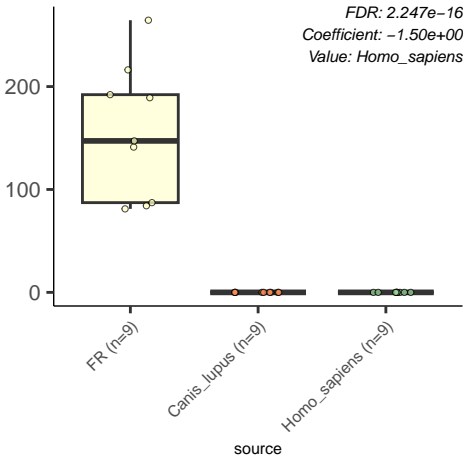
FDR: $1.058e-16$
Coefficient: $-8.05e+00$
Value: *Canis_lupus*



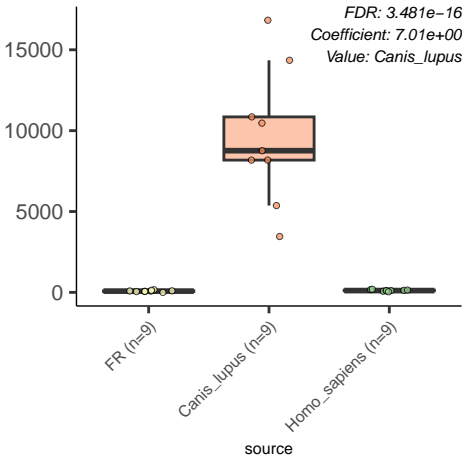
Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Tannerella







Bacteria.Fusobacteria.Fusobacteriales.Fusobacteri



Bacteria.Firmicutes.Bacilli.Lactobacillales.Enterococci

FDR: 3.590e-16
Coefficient: 5.72e+00
Value: Canis_lupus

20000

10000

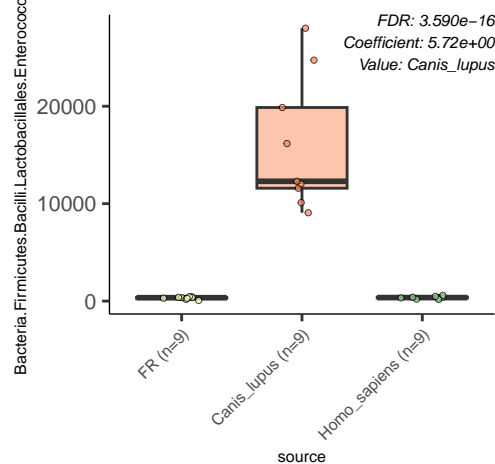
0

FR (n=9)

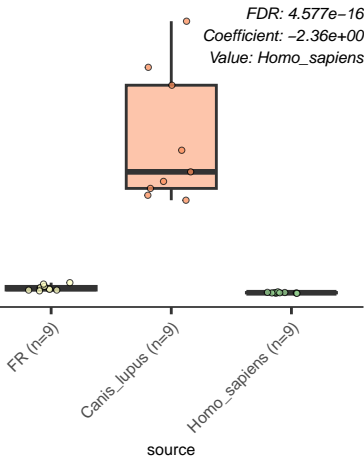
Canis_lupus (n=9)

Homo_sapiens (n=9)

source

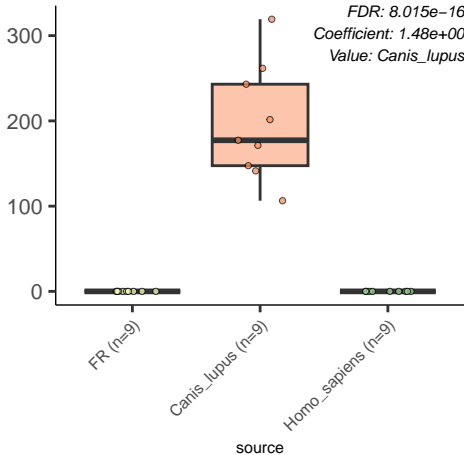


Bacteria.Firmicutes.Bacilli.Lactobacillales.Lactobacilli

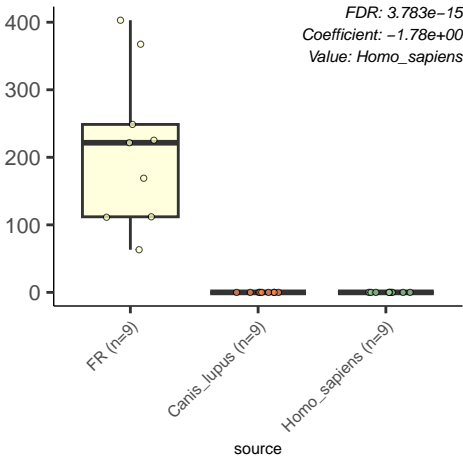


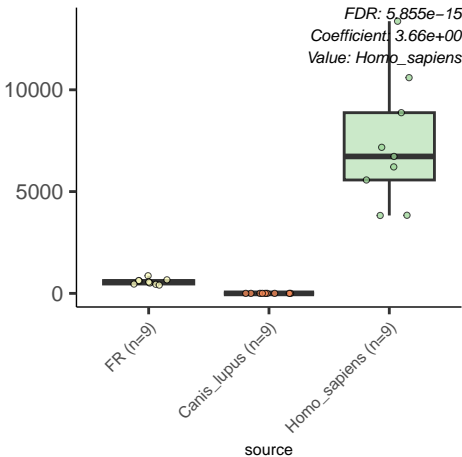
Bacteria.Proteobacteria.Epsilonproteobacteria.Campylobacteriales.

FDR: $8.015e-16$
Coefficient: $1.48e+00$
Value: *Canis_lupus*

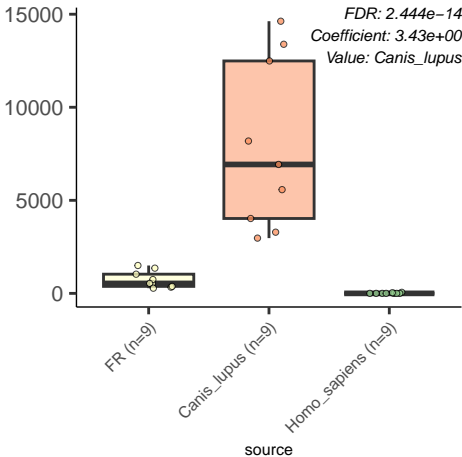


Bacteria.Synergistetes.Synergistia.Synergistales.Synergistaceae





Bacteria.Firmicutes.Clostridia.Clostridiales.Peptococ



Bacteria.Firmicutes.Clostridia.Clostridiales.Gracilibact

200
150
100
50
0

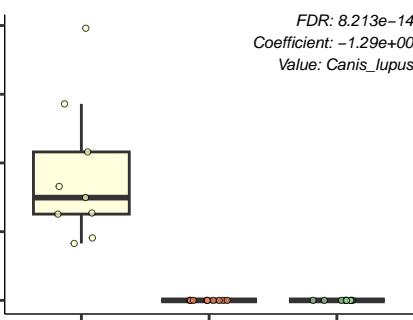
FDR: $8.213e-14$
Coefficient: $-1.29e+00$
Value: *Canis_lupus*

FR (n=9)

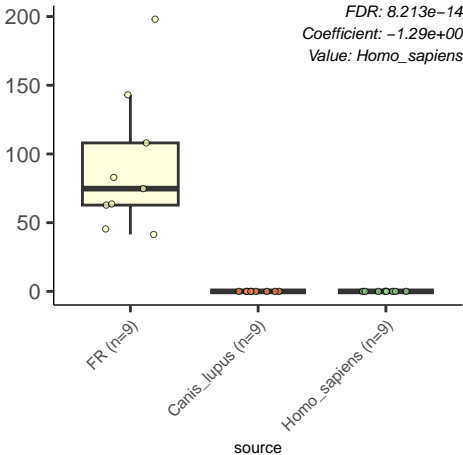
Canis_lupus (n=9)

Homo_sapiens (n=9)

source

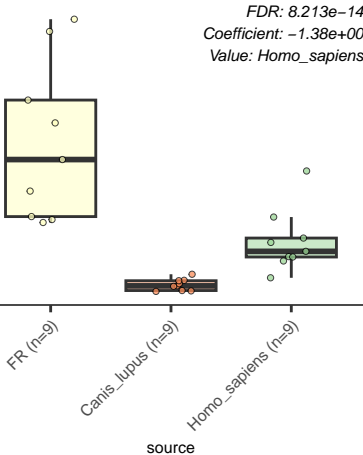


Bacteria.Firmicutes.Clostridia.Clostridiales.Gracilibact



Bacteria.Firmicutes.Clostridia.Clostridiales.unassigned

FDR: $8.213e-14$
Coefficient: $-1.38e+00$
Value: Homo_sapiens



Bacteria.Lentisphaerae.Lentisphaeria.Victivallales.una

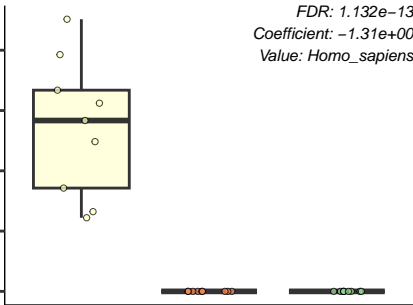
FDR: $1.132e-13$
Coefficient: $-1.31e+00$
Value: Homo_sapiens

FR (n=9)

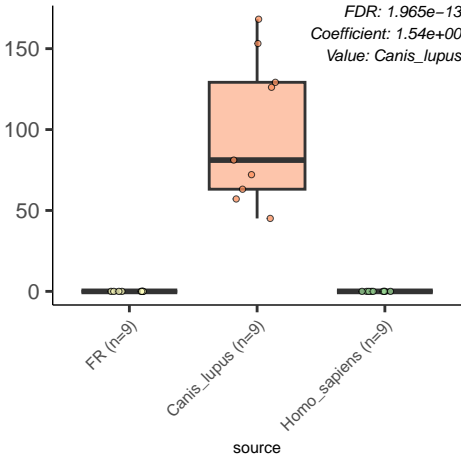
Canis_lupus (n=9)

Homo_sapiens (n=9)

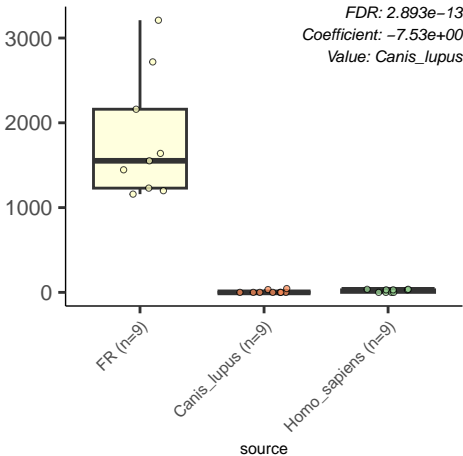
source



FDR: $1.965e-13$
Coefficient: $1.54e+00$
Value: *Canis_lupus*

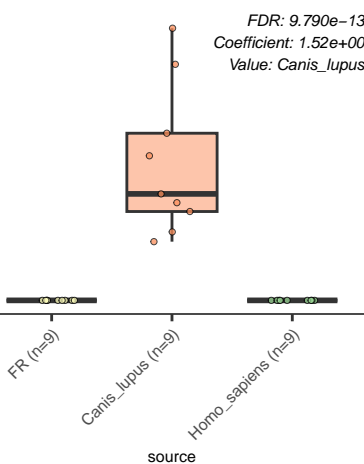


Bacteria.Verrucomicrobia.Verrucomicrobiae.Verrucomicrobiales.



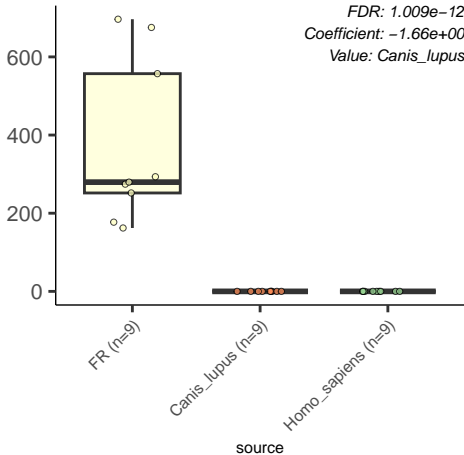
Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.una

FDR: 9.790e-13
Coefficient: 1.52e+00
Value: Canis_lupus

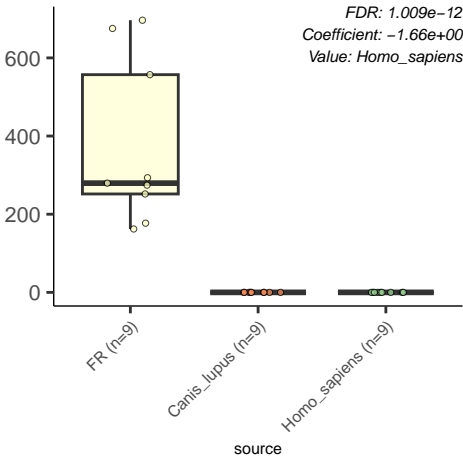


Bacteria.Tenericutes.Mollicutes.Acholeplasmatales.Acholeplasma

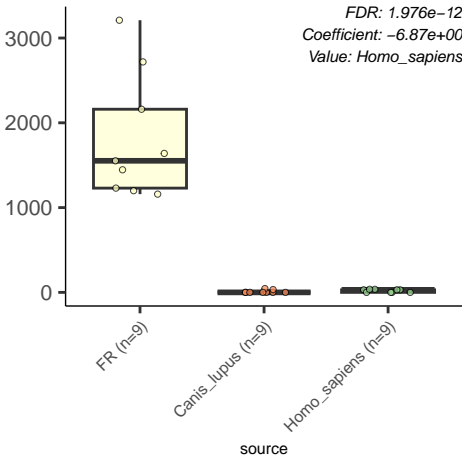
FDR: $1.009e-12$
Coefficient: $-1.66e+00$
Value: *Canis_lupus*

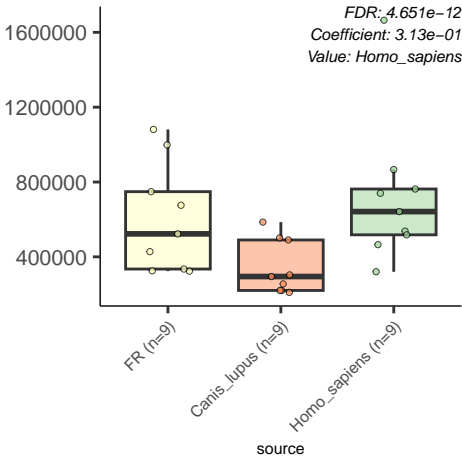


Bacteria.Tenericutes.Mollicutes.Acholeplasmatales.Acholeplasma



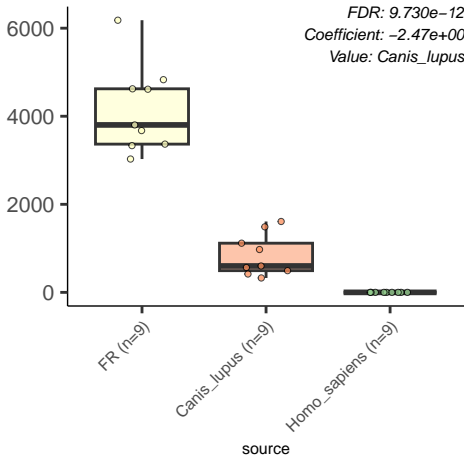
Bacteria.Verrucomicrobia.Verrucomicrobiae.Verrucomicrobiales.

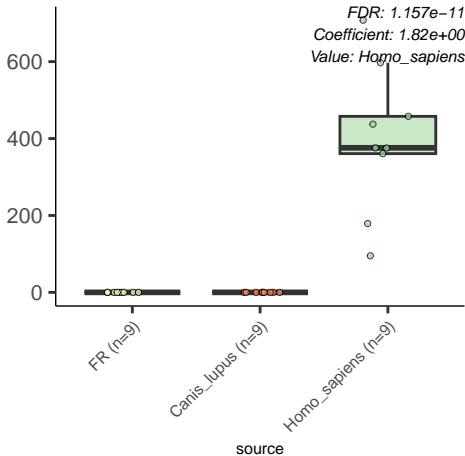


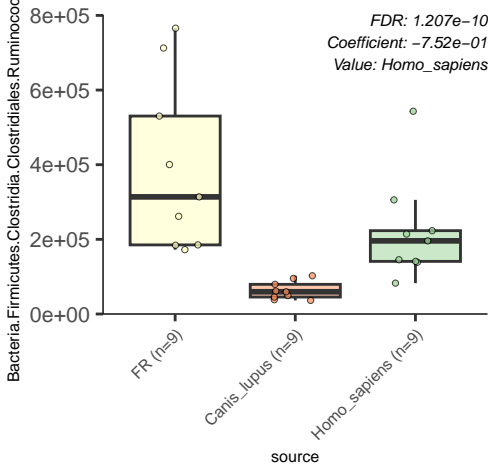


Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Tannerella

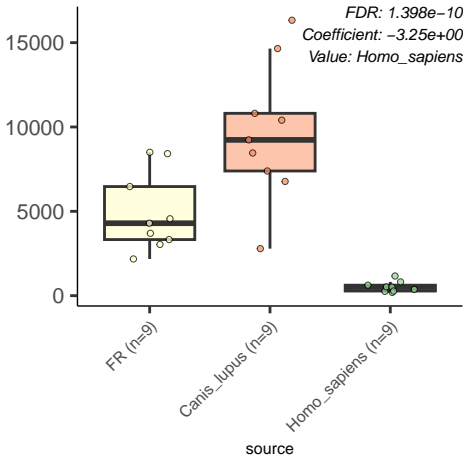
FDR: $9.730e-12$
Coefficient: $-2.47e+00$
Value: *Canis_lupus*







Bacteria.Firmicutes.Erysipelotrichia.Erysipelotrichales.Erysip



Bacteria.Firmicutes.Clostridia.Clostridiales.missili

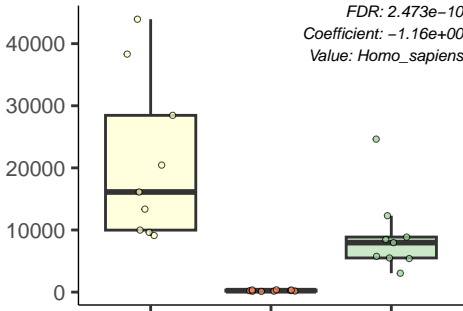
FDR: 2.473e-10
Coefficient: -1.16e+00
Value: Homo_sapiens

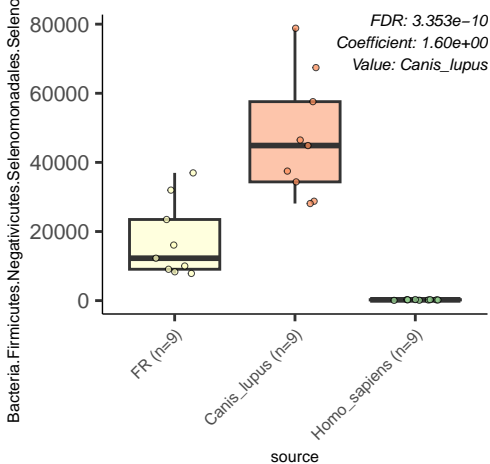
FR (n=9)

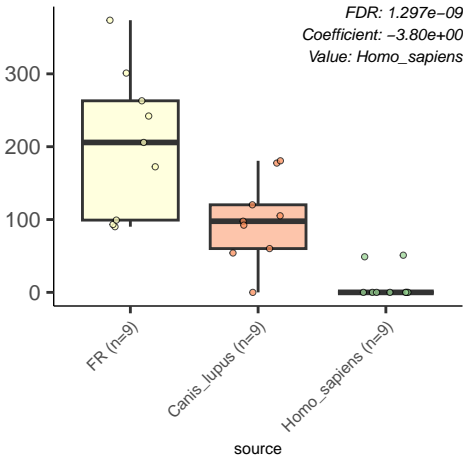
Canis_lupus (n=9)

Homo_sapiens (n=9)

source







Bacteria.Tenericutes.Mollicutes.Anaeroplasmatales.Anaerop

FDR: 2.547e-09
Coefficient: 2.02e+00
Value: Canis_lupus

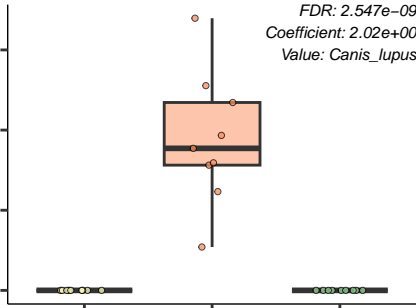
FR (n=9)

Canis_lupus (n=9)

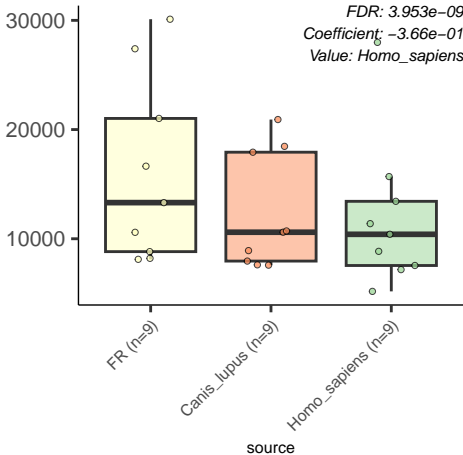
Homo_sapiens (n=9)

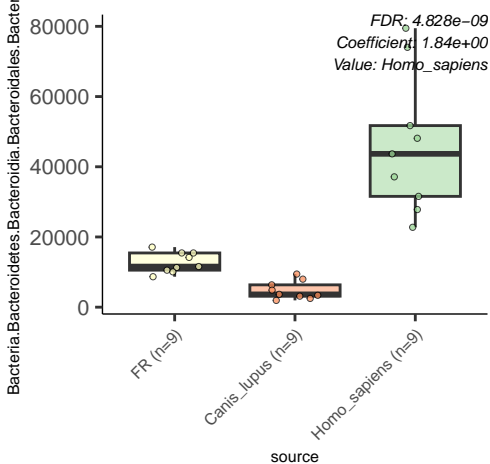
source

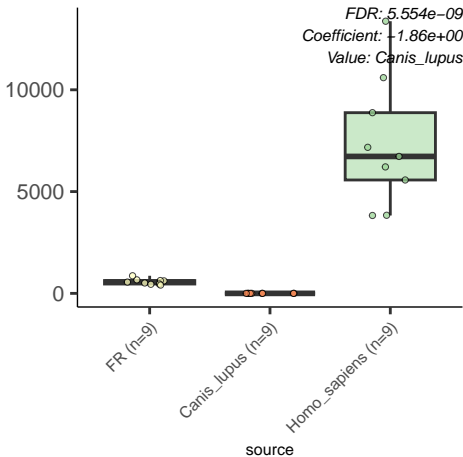
300
200
100
0



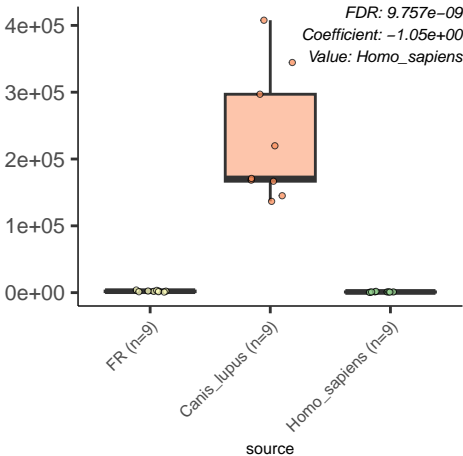
FDR: $3.953e-09$
Coefficient: $-3.66e-01$
Value: Homo_sapiens



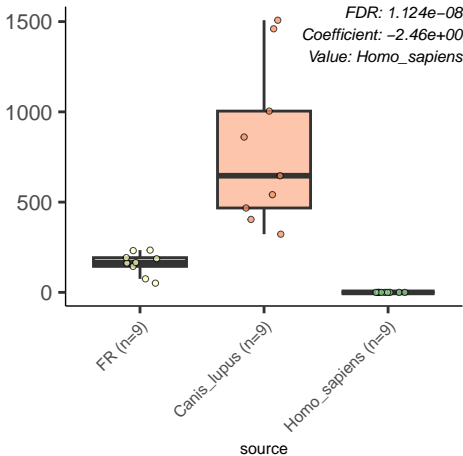


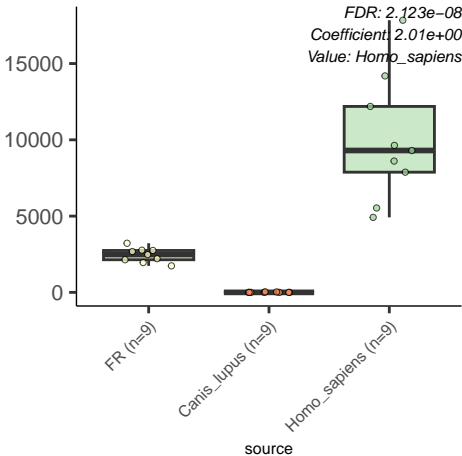


Bacteria.Firmicutes.Bacilli.Lactobacillales.Streptococcus

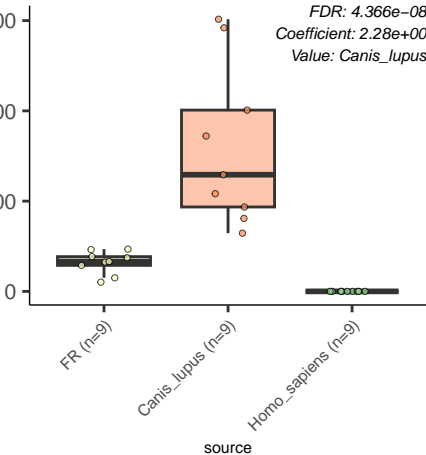


Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Prevo

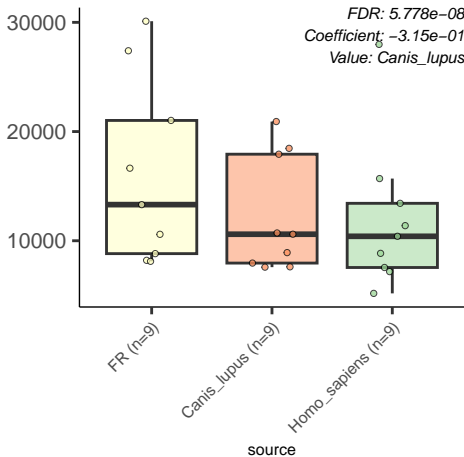


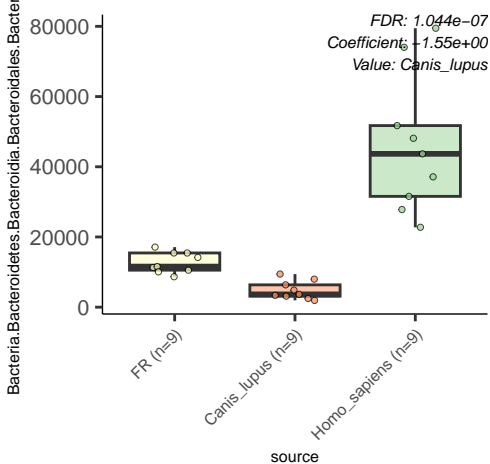


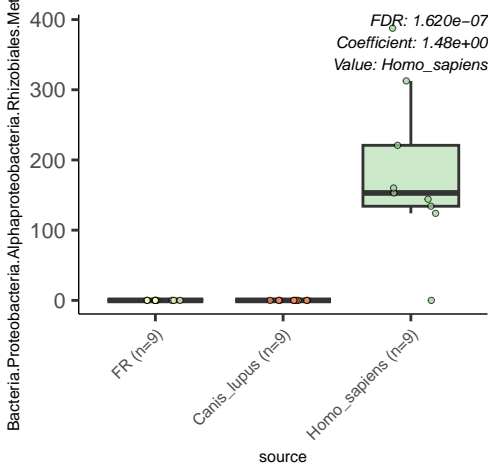
FDR: 4.366e-08
Coefficient: 2.28e+00
Value: Canis_lupus



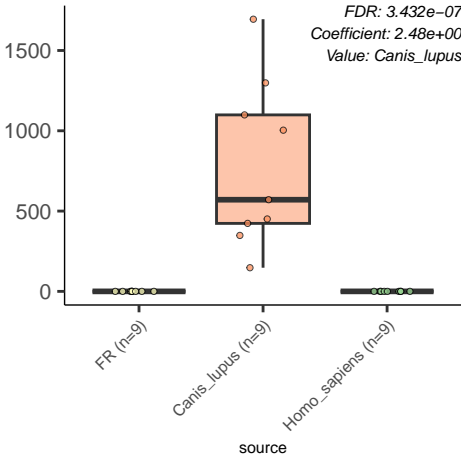
FDR: $5.778e-08$
Coefficient: $-3.15e-01$
Value: *Canis_lupus*







FDR: $3.432e-07$
Coefficient: $2.48e+00$
Value: *Canis_lupus*



10000
5000

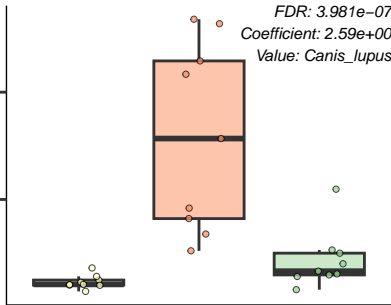
FDR: 3.981e-07
Coefficient: 2.59e+00
Value: Canis_lupus

FR (n=9)

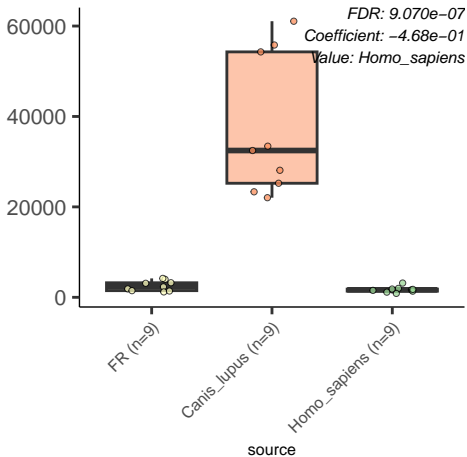
Canis_lupus (n=9)

Homo_sapiens (n=9)

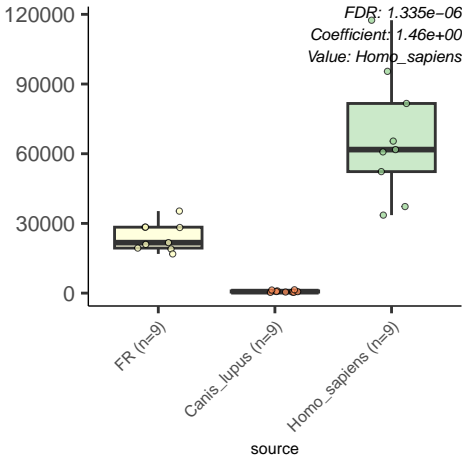
source



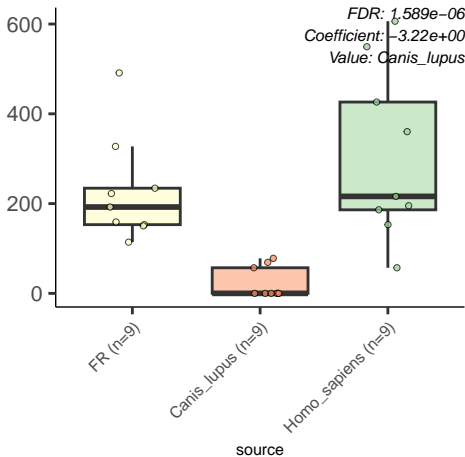
Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiales.Family.X

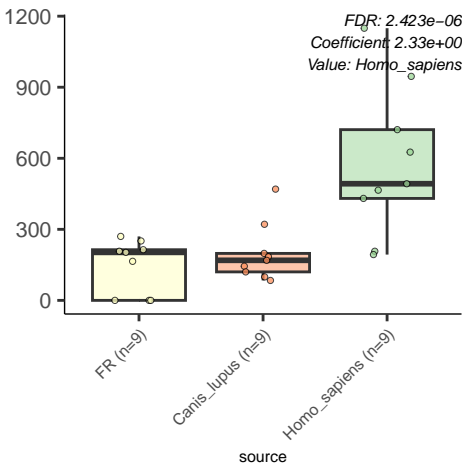


Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.m

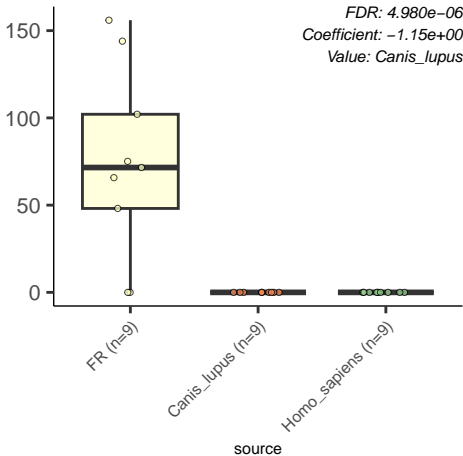


Bacteria.Proteobacteria.Deltaproteobacteria.Desulfovibrionales.D



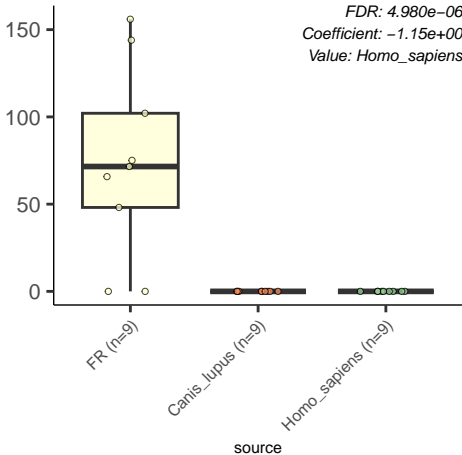


Bacteria.Firmicutes.unassigned.unassigned



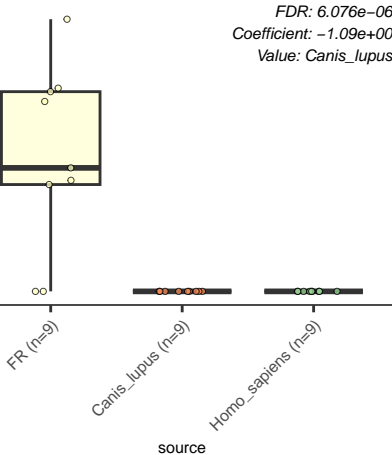
Bacteria.Firmicutes.unassigned.unassigned

FDR: $4.980e-06$
Coefficient: $-1.15e+00$
Value: Homo_sapiens



Bacteria.Lentisphaerae.Lentisphaeria.Victivallales.Victivallaceae

FDR: 6.076e-06
Coefficient: -1.09e+00
Value: Canis_lupus



Bacteria.Lentisphaerae.Lentisphaeria.Victivallales.Victivallaceae

FDR: 6.076e-06
Coefficient: -1.09e+00
Value: Homo_sapiens

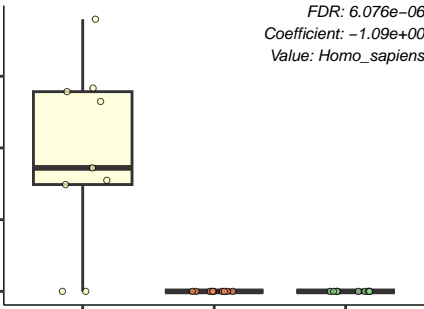
75
50
25
0

FR (n=9)

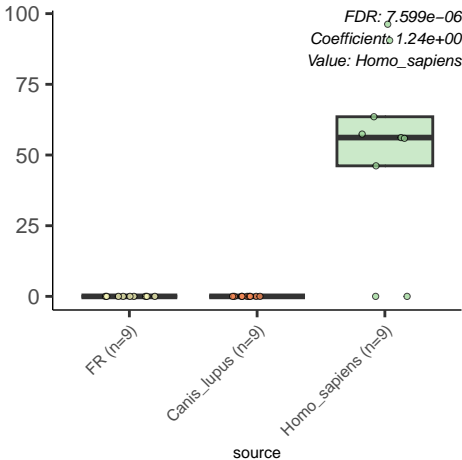
Canis_lupus (n=9)

Homo_sapiens (n=9)

source

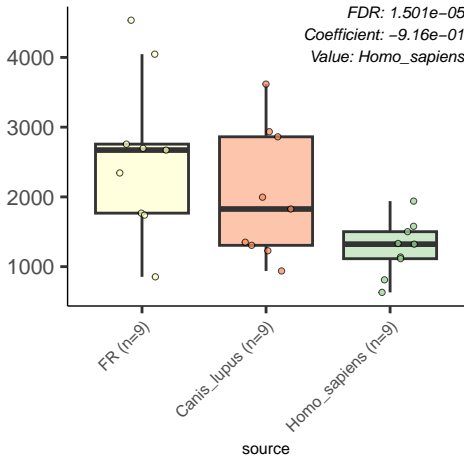


Bacteria.Proteobacteria.Alphaproteobacteria.Sneathiellales.S

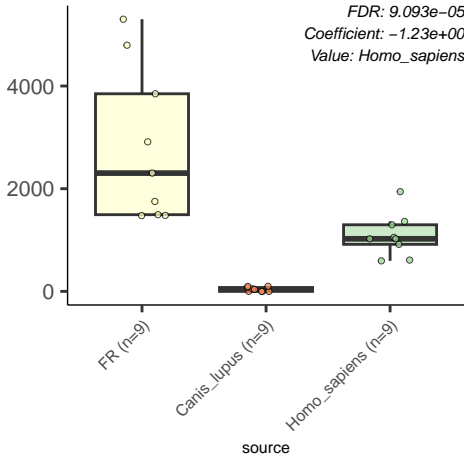


Bacteria.Firmicutes.Negativicutes.Veillonellales.Veillon

FDR: 1.501e-05
Coefficient: -9.16e-01
Value: Homo_sapiens

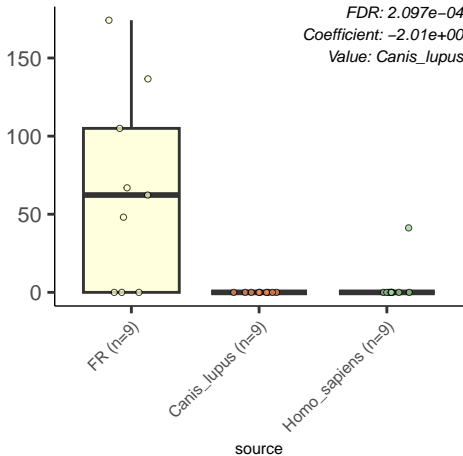


FDR: $9.093e-05$
Coefficient: $-1.23e+00$
Value: Homo_sapiens

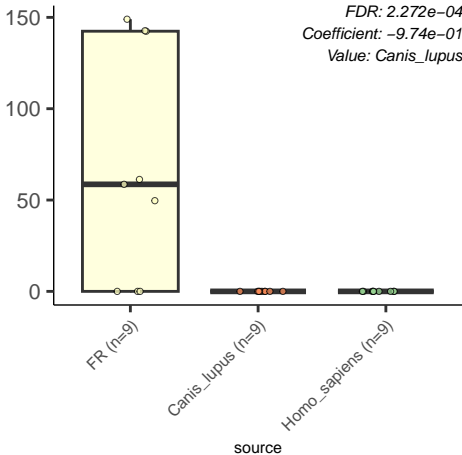


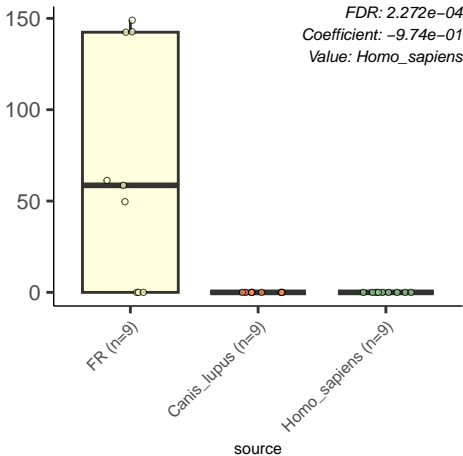
Bacteria.Firmicutes.Tissierellia.Tissierellales.Gottscha

FDR: 2.097×10^{-4}
Coefficient: -2.01×10^0
Value: Canis_lupus



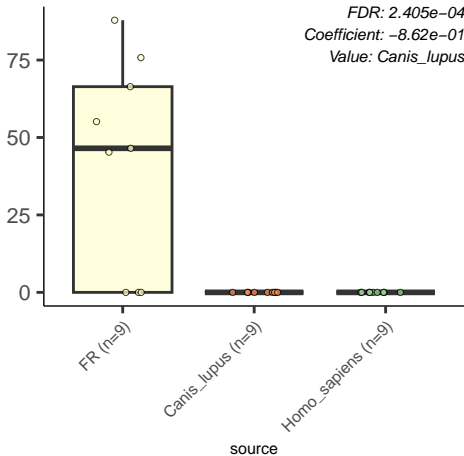
FDR: 2.272e-04
Coefficient: -9.74e-01
Value: Canis_lupus





Bacteria.Firmicutes.Clostridia.Clostridiales.Caldicoproba

FDR: 2.405e-04
Coefficient: -8.62e-01
Value: Canis_lupus



Bacteria.Firmicutes.Clostridia.Clostridiales.Caldicoproba

FDR: 2.405e-04
Coefficient: -8.62e-01
Value: Homo_sapiens

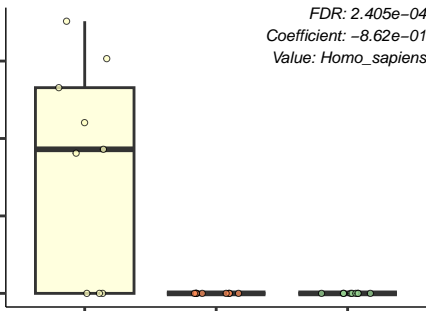
75
50
25
0

FR (n=9)

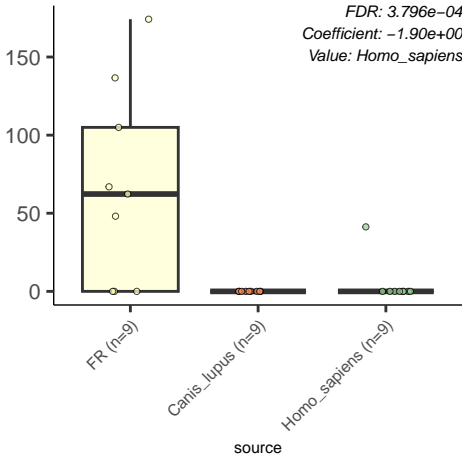
Canis_lupus (n=9)

Homo_sapiens (n=9)

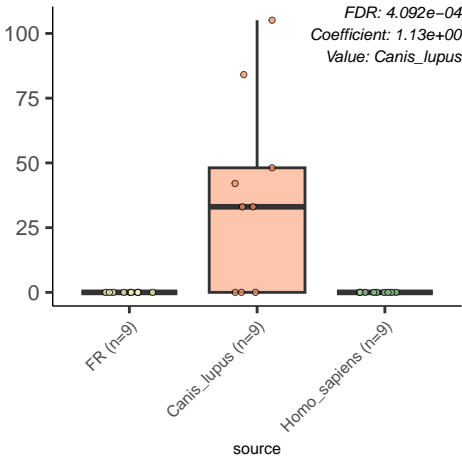
source



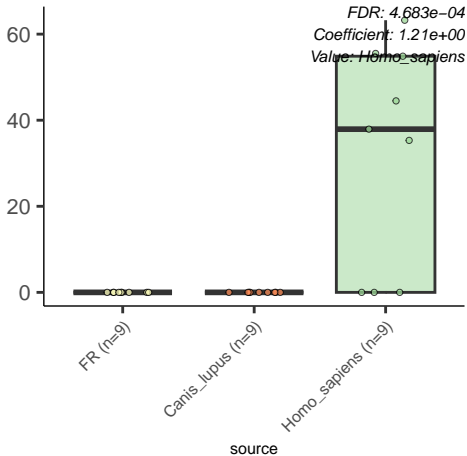
FDR: 3.796e-04
Coefficient: -1.90e+00
Value: Homo_sapiens



Bacteria.Actinobacteria.Propionibacteriales.Prop

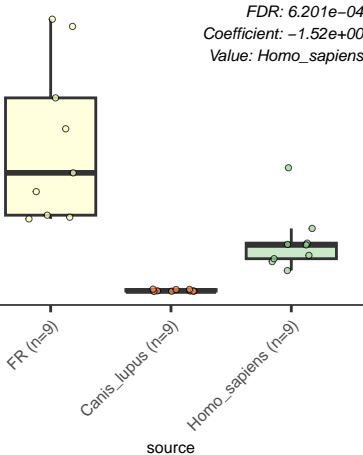


Bacteria.Proteobacteria.Alphaproteobacteria.Rhizobiales.Aura



Bacteria.Firmicutes.Clostridia.Clostridiales.Eubacteri

FDR: 6.201e-04
Coefficient: -1.52e+00
Value: Homo_sapiens



100

50

0

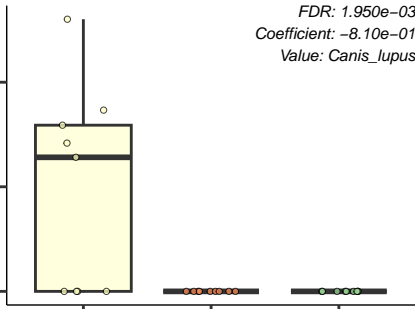
FR (n=9)

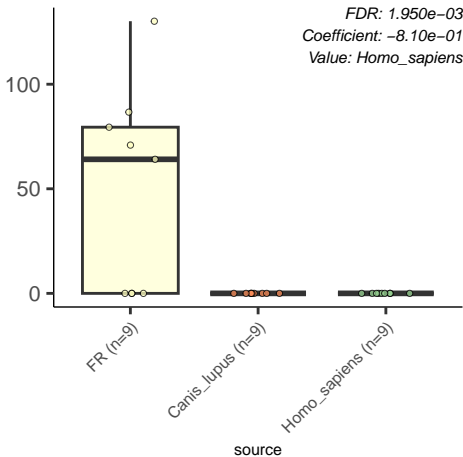
Canis_lupus (n=9)

Homo_sapiens (n=9)

source

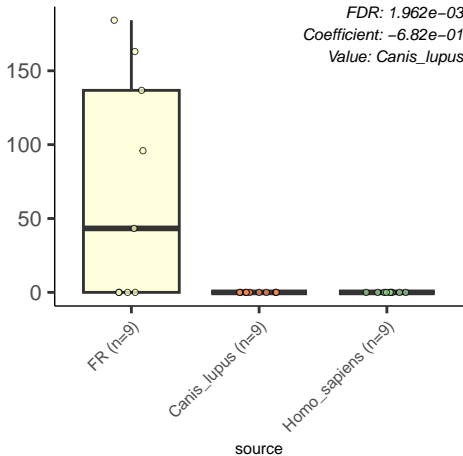
FDR: 1.950e-03
Coefficient: -8.10e-01
Value: Canis_lupus



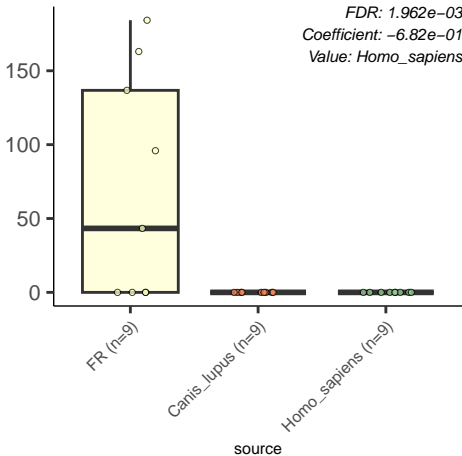


Bacteria.Proteobacteria.Deltaproteobacteria.Desulfobacteriales.D

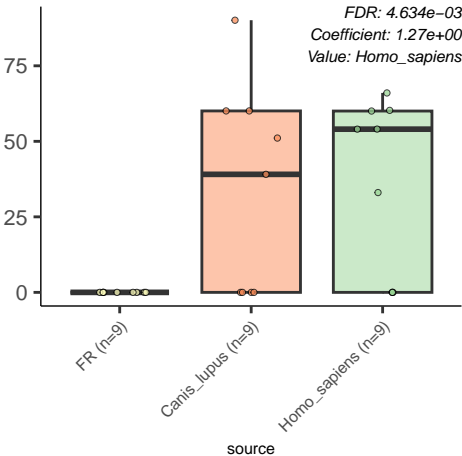
FDR: $1.962e-03$
Coefficient: $-6.82e-01$
Value: *Canis_lupus*

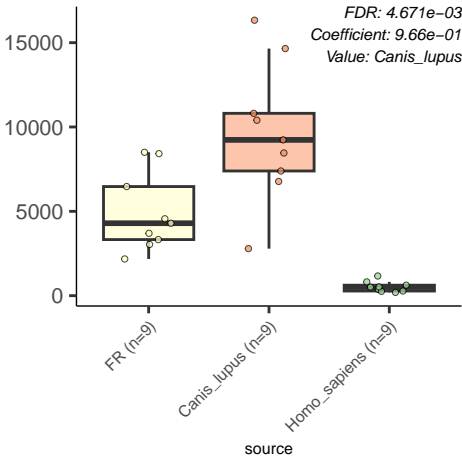


FDR: $1.962e-03$
Coefficient: $-6.82e-01$
Value: Homo_sapiens

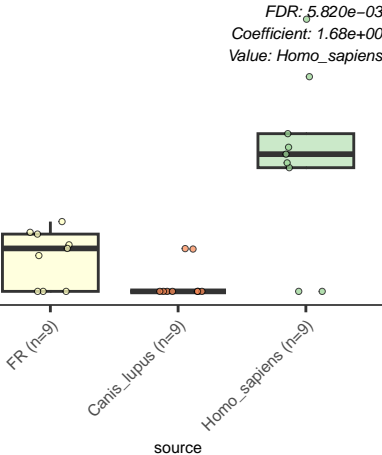


Bacteria.Proteobacteria.Gammaproteobacteria.Pseudomonadales.

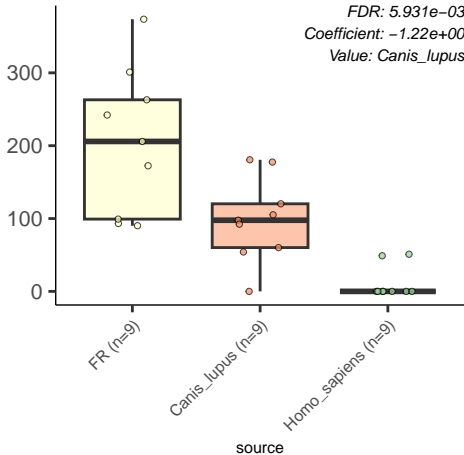




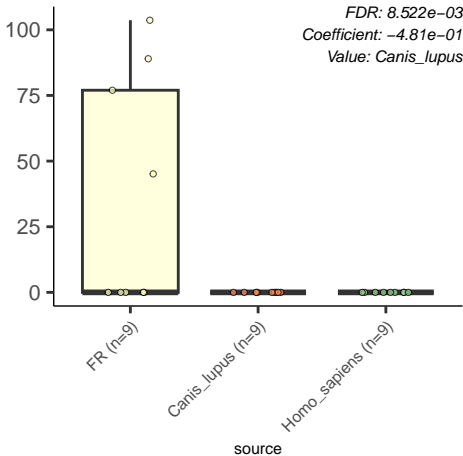
FDR: $5.820e-03$
Coefficient: $1.68e+00$
Value: Homo_sapiens



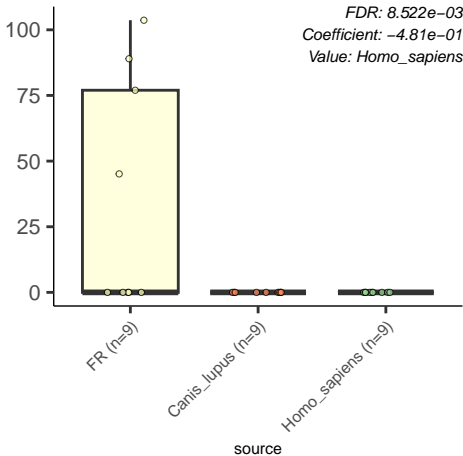
FDR: $5.931e-03$
Coefficient: $-1.22e+00$
Value: *Canis_lupus*



Bacteria.Firmicutes.Bacilli.Bacillales.Paenibacillaceae



Bacteria.Firmicutes.Bacilli.Bacillales.Paenibacillaceae



Bacteria. Proteobacteria. Deltaproteobacteria. Bradymonadale

FDR: $9.431e-03$
Coefficient: $-5.67e-01$
Value: *Canis_lupus*

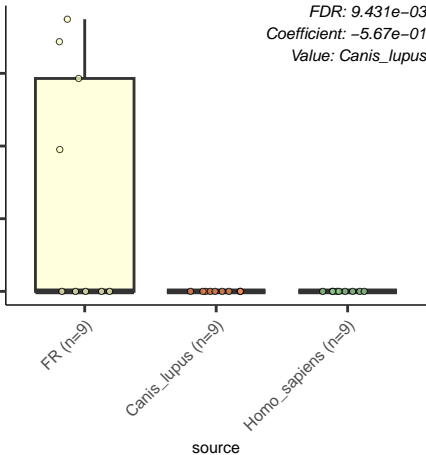
75
50
25
0

FR (n=9)

Canis_lupus (n=9)

Homo_sapiens (n=9)

source



Bacteria. Proteobacteria. Deltaproteobacteria. Bradymonadale

FDR: 9.431e-03
Coefficient: -5.67e-01
Value: Homo_sapiens

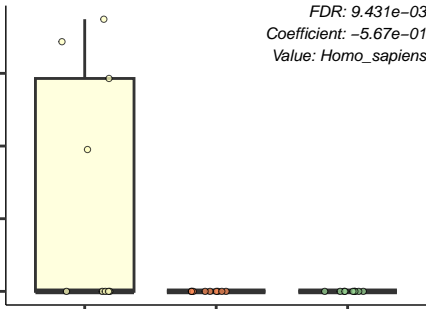
75
50
25
0

FR (n=9)

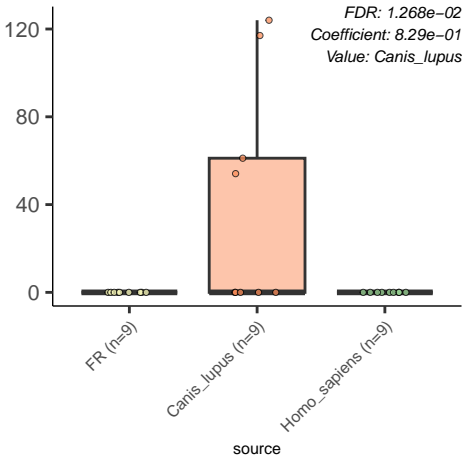
Canis_lupus (n=9)

Homo_sapiens (n=9)

source

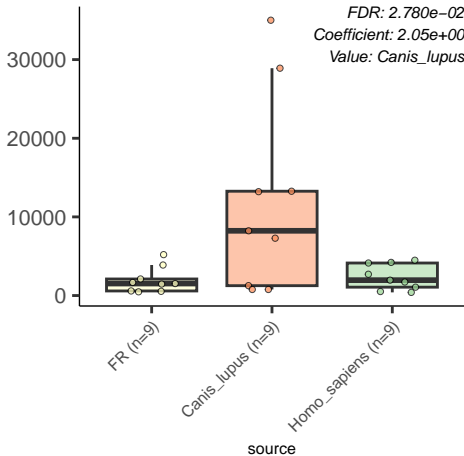


Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Muribac



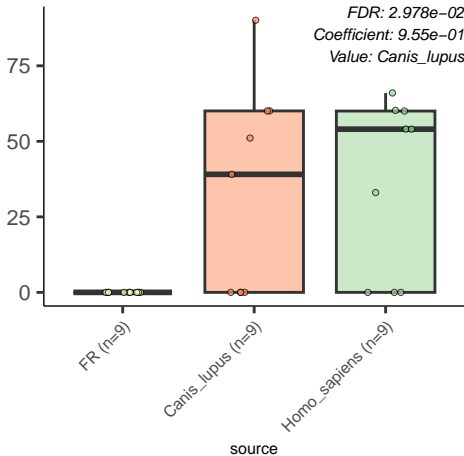
Bacteria,Actinobacteria,Coriobacteriia,Coriobacteriales,Cori

FDR: 2.780e-02
Coefficient: 2.05e+00
Value: Canis_lupus



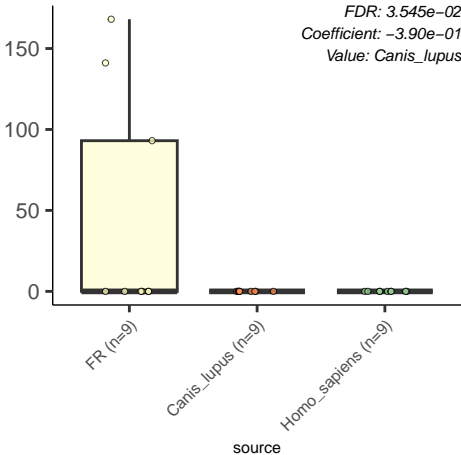
Bacteria.Proteobacteria.Gammaproteobacteria.Pseudomonadales.

FDR: 2.978e-02
Coefficient: 9.55e-01
Value: Canis_lupus



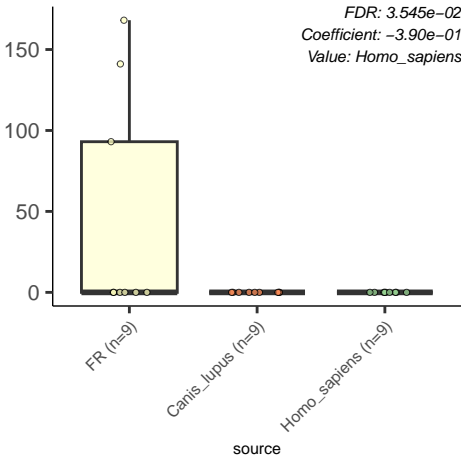
Bacteria, Proteobacteria, Gammaproteobacteria, Pasteurellales.

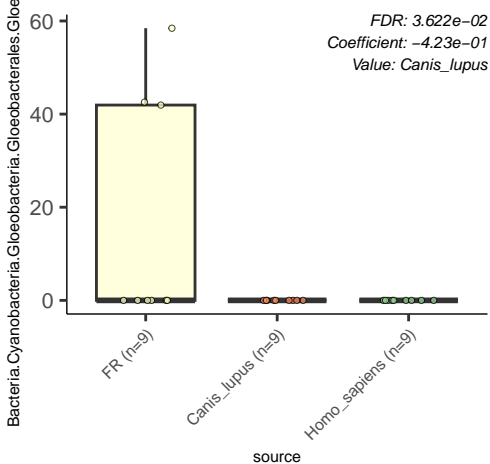
FDR: 3.545e-02
Coefficient: -3.90e-01
Value: Canis_lupus

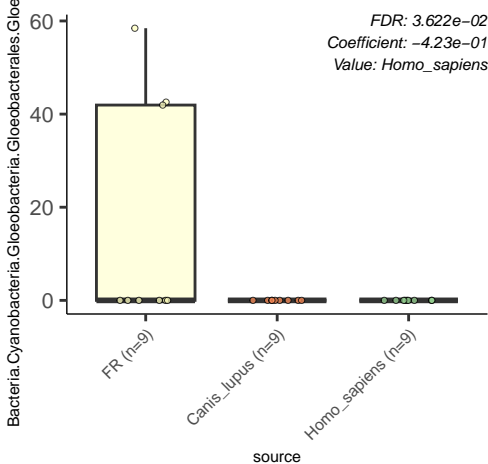


Bacteria, Proteobacteria, Gammaproteobacteria, Pasteurellales.

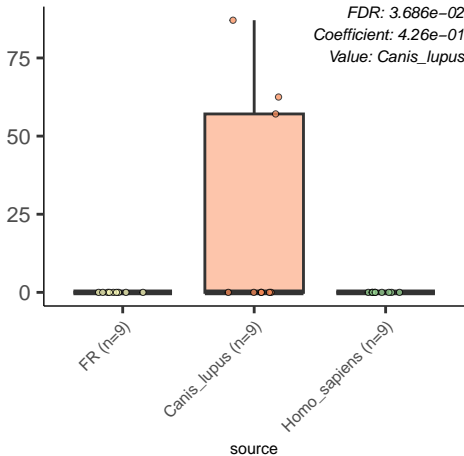
FDR: $3.545e-02$
Coefficient: $-3.90e-01$
Value: Homo_sapiens







FDR: 3.686e-02
Coefficient: 4.26e-01
Value: Canis_lupus



10000
5000

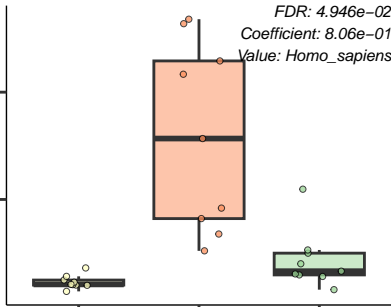
FR (n=9)

Canis_lupus (n=9)

Homo_sapiens (n=9)

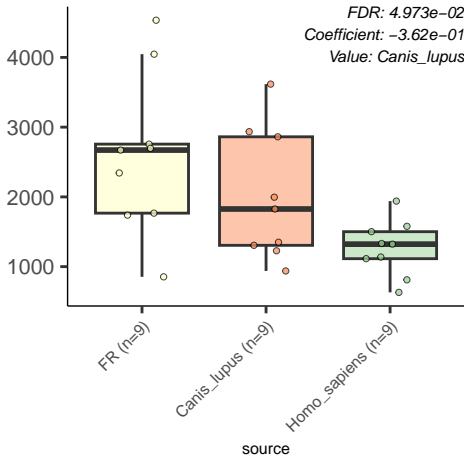
source

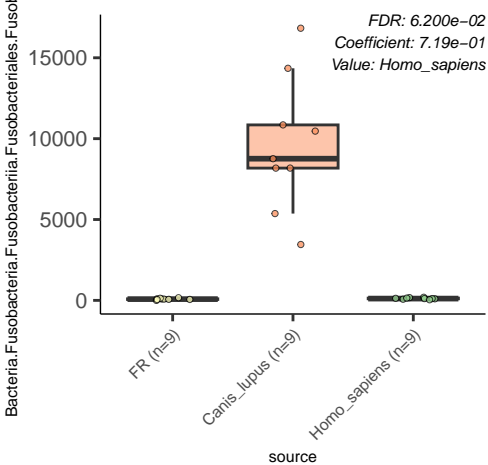
FDR: 4.946e-02
Coefficient: 8.06e-01
Value: Homo_sapiens



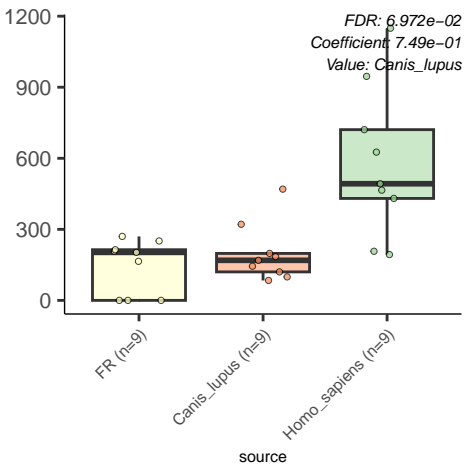
Bacteria.Firmicutes.Negativicutes.Veillonellales.Veillon

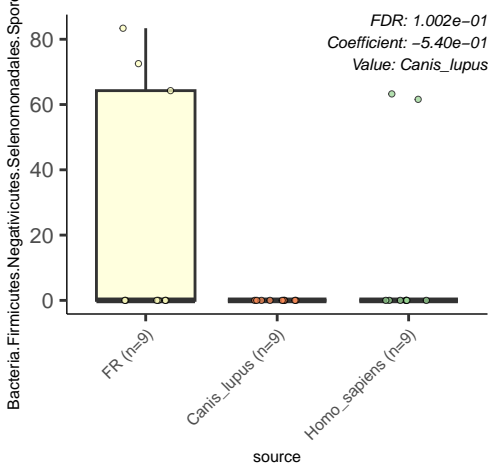
FDR: 4.973e-02
Coefficient: -3.62e-01
Value: Canis_lupus

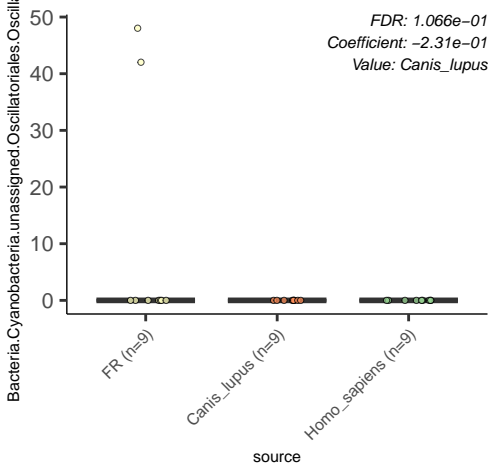


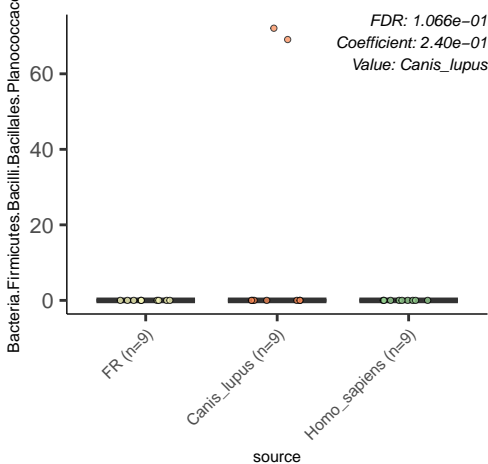


Bacteria.Proteobacteria.Alphaproteobacteria.Rhodospirillales. R

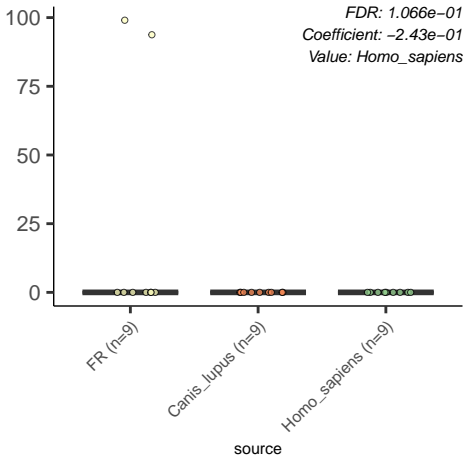


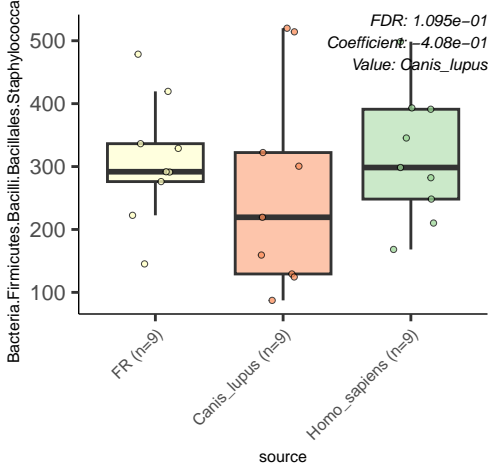






Bacteria.Proteobacteria.Alphaproteobacteria.Rhodobacterales.R





Bacteria.Actinobacteria.Coriobacteriia.Coriobacteriales.At

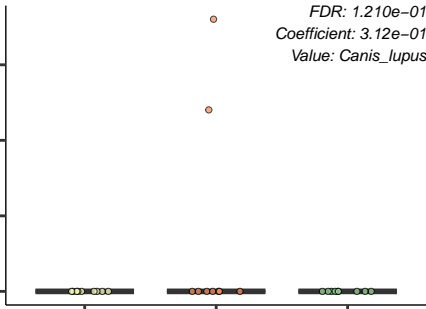
FDR: 1.210e-01
Coefficient: 3.12e-01
Value: Canis_lupus

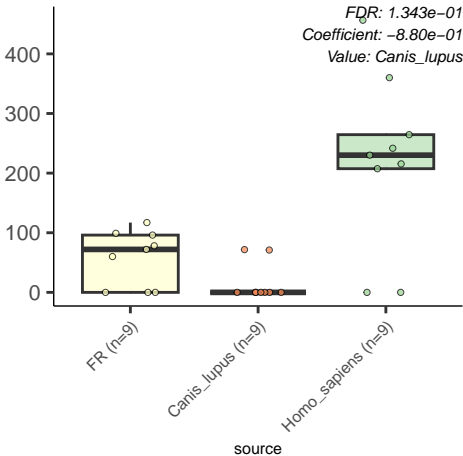
FR (n=9)

Canis_lupus (n=9)

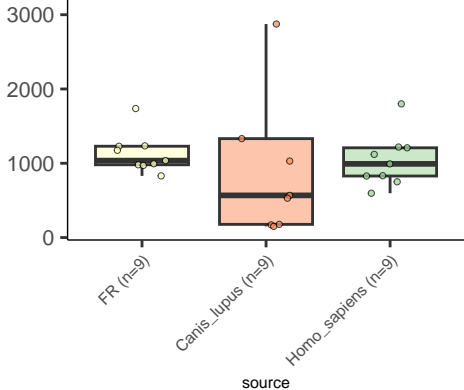
Homo_sapiens (n=9)

source





FDR: 1.367e-01
Coefficient: -7.63e-01
Value: Canis_lupus



FDR: 2.358e-01
Coefficient: 4.00e-01
Value: Canis_lupus

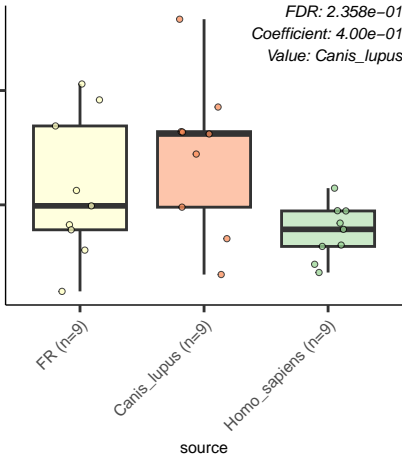
2000
1000

FR (n=9)

Canis_lupus (n=9)

Homo_sapiens (n=9)

source



Bacteria.Firmicutes.Bacilli.Bacillales.Listeriaceae

