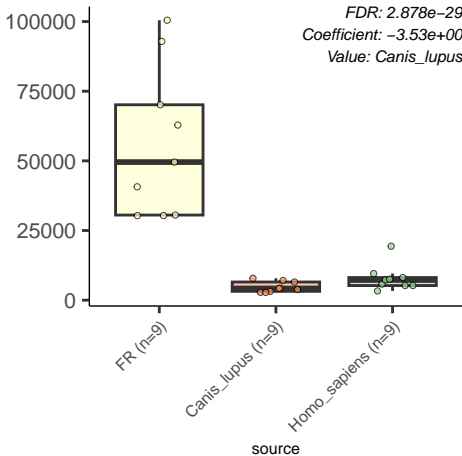
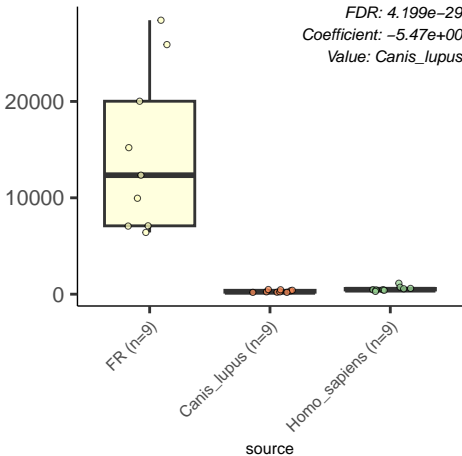


FDR:  $2.878e-29$   
Coefficient:  $-3.53e+00$   
Value: *Canis\_lupus*





Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

FDR:  $5.044e-28$   
Coefficient:  $-6.29e+00$   
Value: *Canis\_lupus*

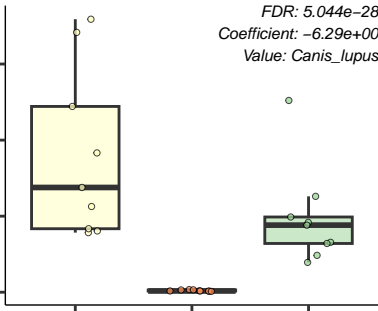
150000  
100000  
50000  
0

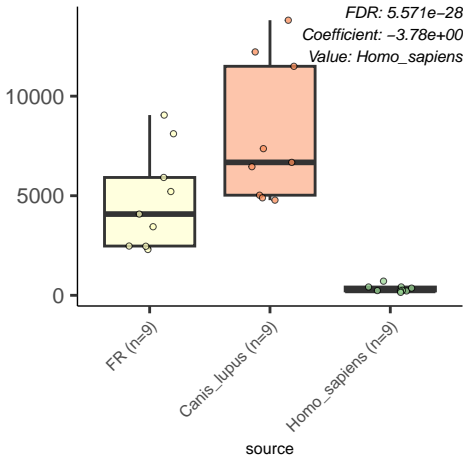
FR (n=9)

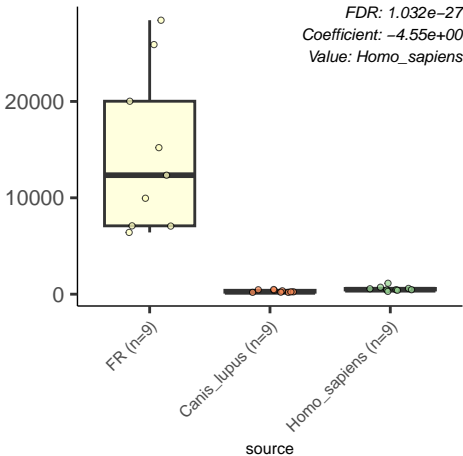
Canis\_lupus (n=9)

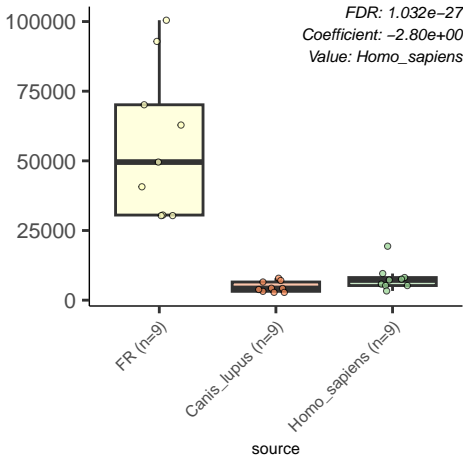
Homo\_sapiens (n=9)

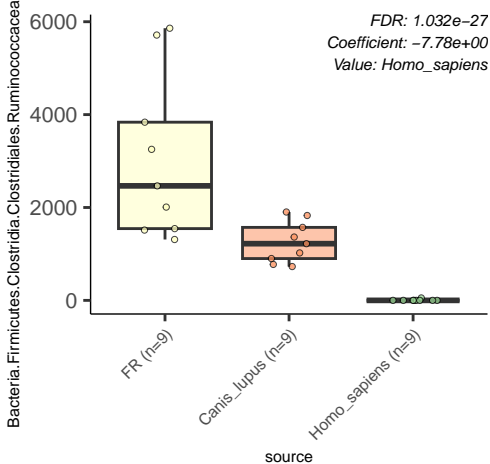
source



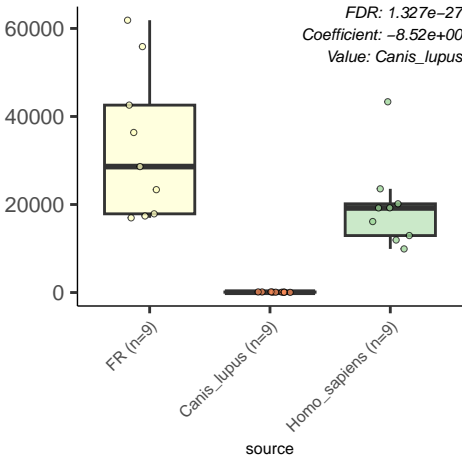






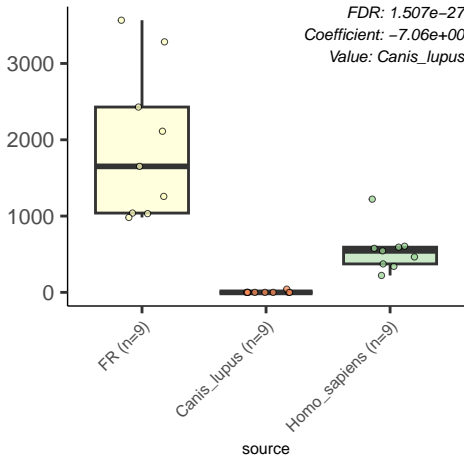


Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae



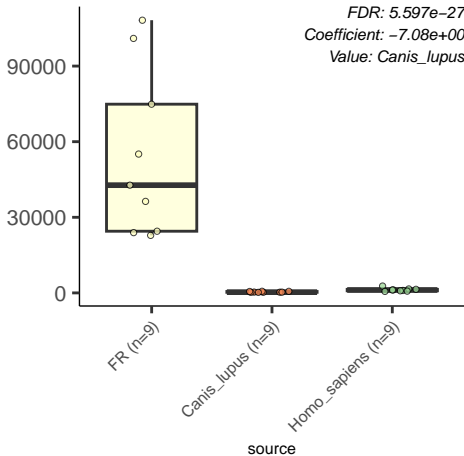


FDR:  $1.507e-27$   
Coefficient:  $-7.06e+00$   
Value: *Canis\_lupus*



Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

FDR:  $5.597e-27$   
Coefficient:  $-7.08e+00$   
Value: *Canis\_lupus*



75000  
50000  
25000  
0

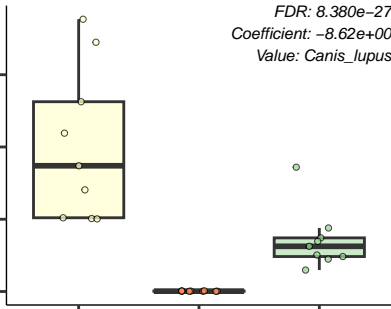
FR (n=9)

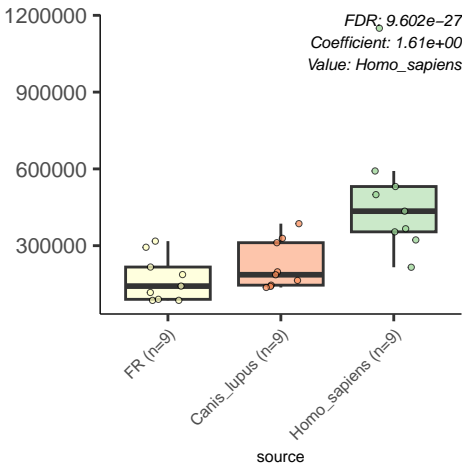
Canis\_lupus (n=9)

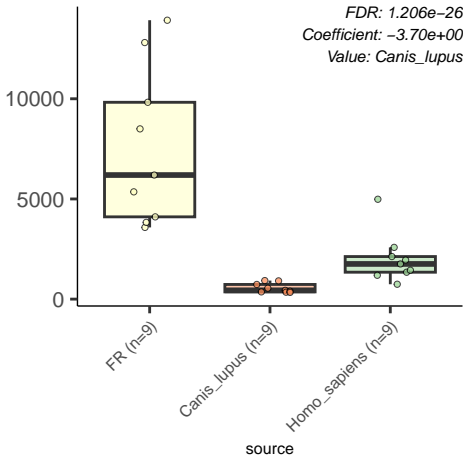
Homo\_sapiens (n=9)

source

FDR:  $8.380e-27$   
Coefficient:  $-8.62e+00$   
Value: *Canis\_lupus*







Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae.

FDR:  $3.124e-26$   
Coefficient:  $-3.26e+00$   
Value: *Canis\_lupus*

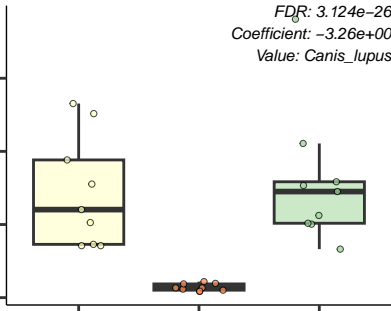
15000  
10000  
5000  
0

FR (n=9)

Canis\_lupus (n=9)

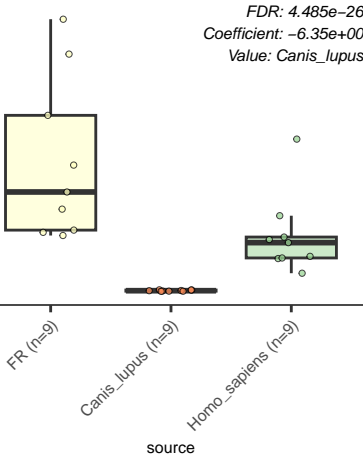
Homo\_sapiens (n=9)

source

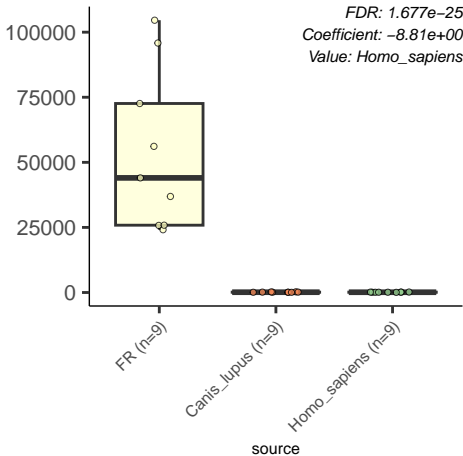


Bacteria.Firmicutes.Clostridia.Clostridiales.missing.Mor

FDR: 4.485e-26  
Coefficient: -6.35e+00  
Value: Canis\_lupus

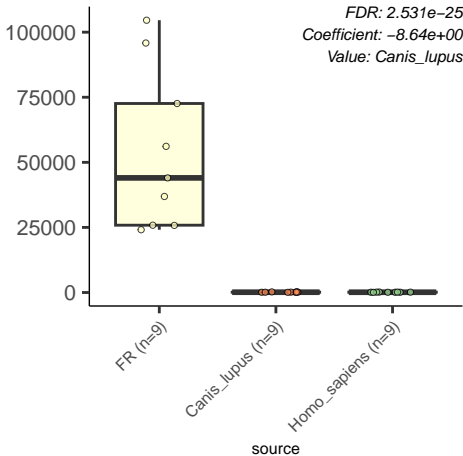


Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

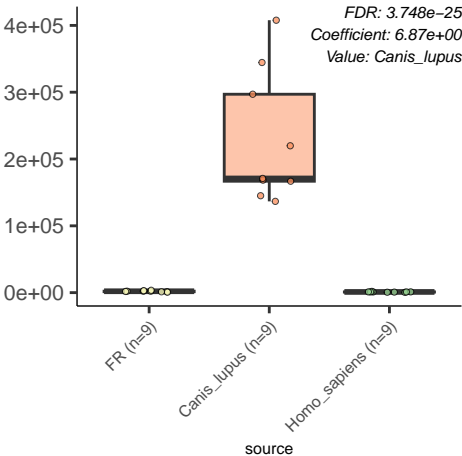




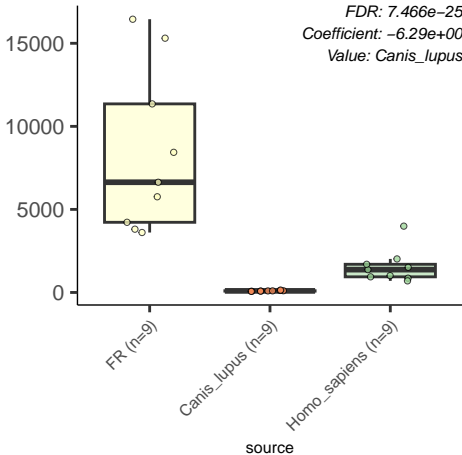
Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae



Bacteria.Firmicutes.Bacilli.Lactobacillales.Streptococcaceae.



FDR:  $7.466e-25$   
 Coefficient:  $-6.29e+00$   
 Value: *Canis\_lupus*



Bacteria.Firmicutes.Clostridia.Clostridiales.Vallitaleaceae

600

400

200

0

FR (n=9)

Canis\_lupus (n=9)

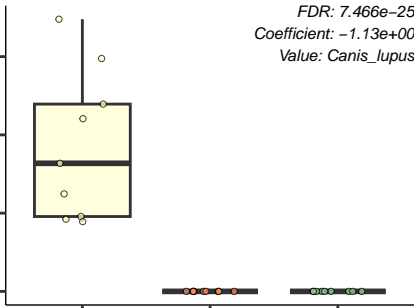
Homo\_sapiens (n=9)

source

FDR: 7.466e-25

Coefficient: -1.13e+00

Value: Canis\_lupus



Bacteria.Firmicutes.Clostridia.Clostridiales.Vallitaleaceae

600

400

200

0

FR (n=9)

Canis\_lupus (n=9)

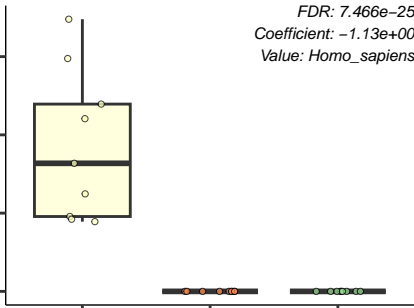
Homo\_sapiens (n=9)

source

FDR:  $7.466e-25$

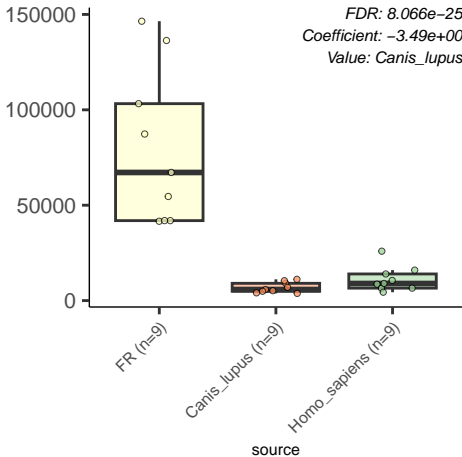
Coefficient:  $-1.13e+00$

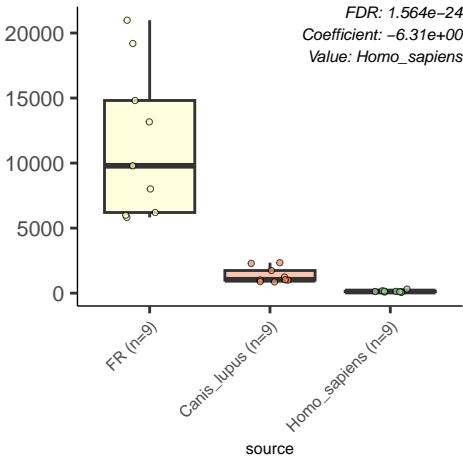
Value: Homo\_sapiens



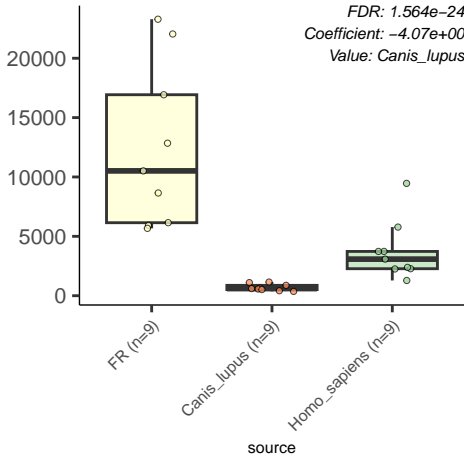
Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

FDR:  $8.066e-25$   
Coefficient:  $-3.49e+00$   
Value: *Canis\_lupus*

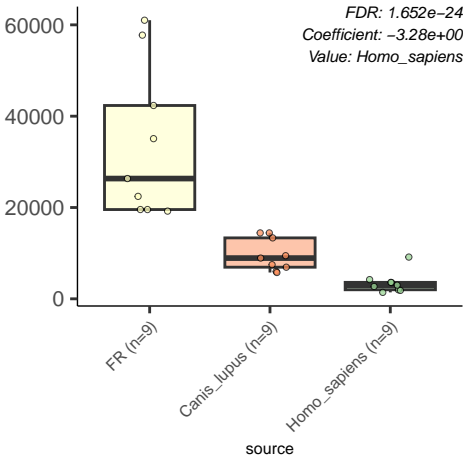




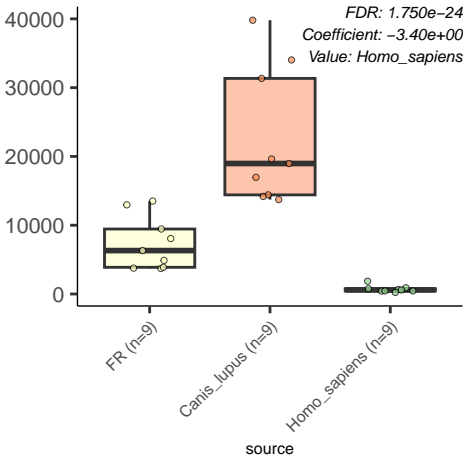
FDR:  $1.564e-24$   
Coefficient:  $-4.07e+00$   
Value: *Canis\_lupus*





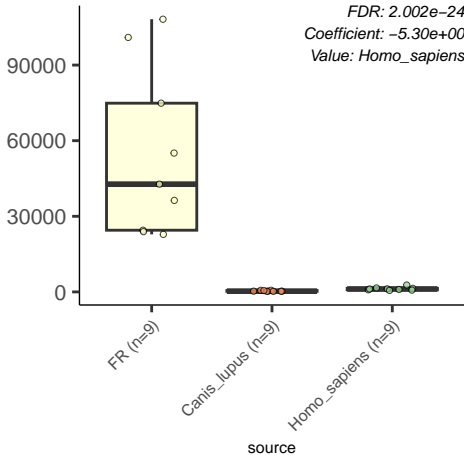


Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcac

FDR:  $2.002e-24$   
Coefficient:  $-5.30e+00$   
Value: Homo\_sapiens



Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

6000  
4000  
2000  
0

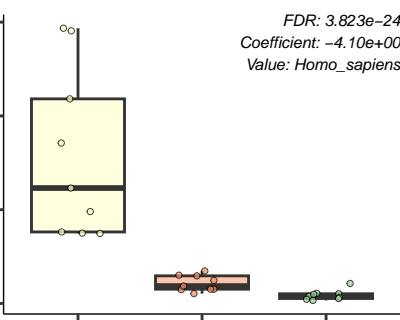
*FDR: 3.823e-24*  
*Coefficient: -4.10e+00*  
*Value: Homo\_sapiens*

FR (n=9)

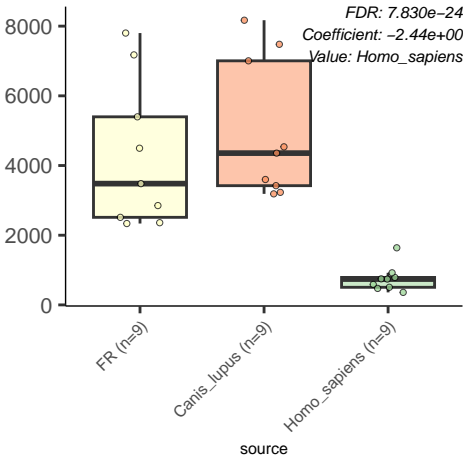
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae.



FDR: 1.268e-23  
Coefficient: -3.66e+00  
Value: Canis\_lupus

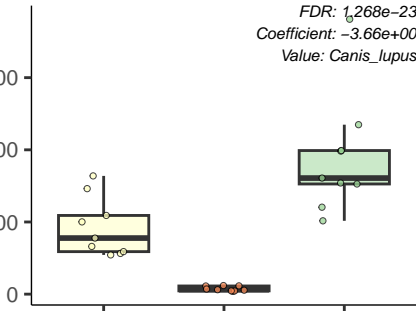
60000  
40000  
20000  
0

FR (n=9)

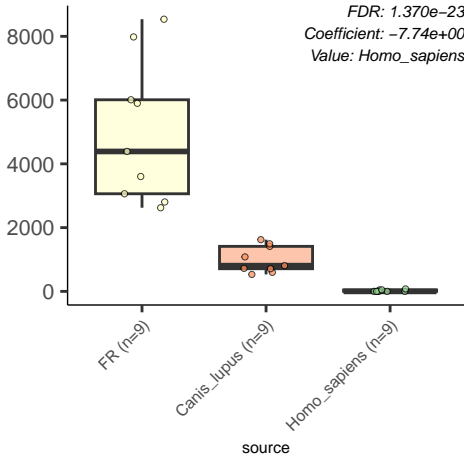
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

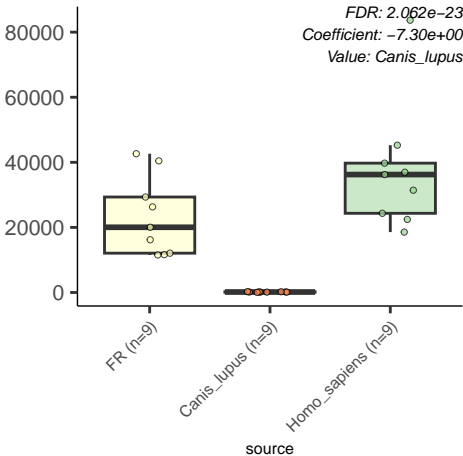
source



FDR: 1.370e-23  
Coefficient: -7.74e+00  
Value: Homo\_sapiens



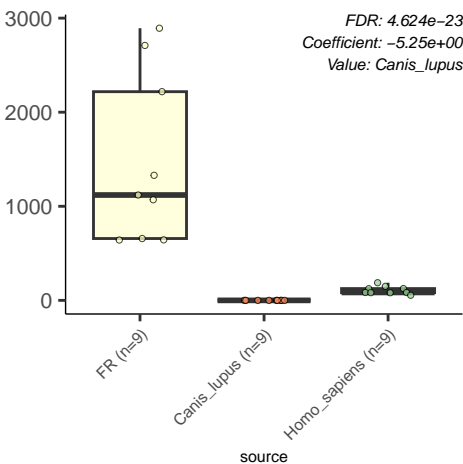
Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospirac







Bacteria.Firmicutes.Clostridia.Clostridiales.Catabacteriaceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Oscillospiraceae

30000  
20000  
10000  
0

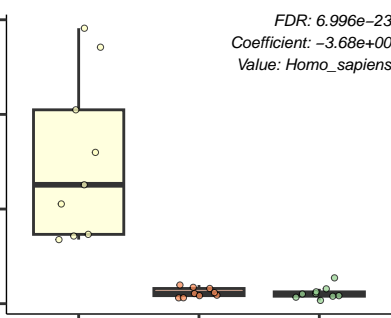
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source

*FDR: 6.996e-23*  
*Coefficient: -3.68e+00*  
*Value: Homo\_sapiens*



*FDR: 8.140e-23*  
*Coefficient: 2.16e+00*  
*Value: Homo\_sapiens*

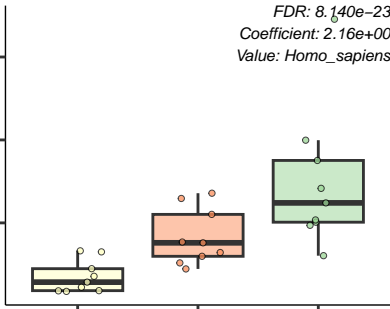
15000  
10000  
5000

FR (n=9)

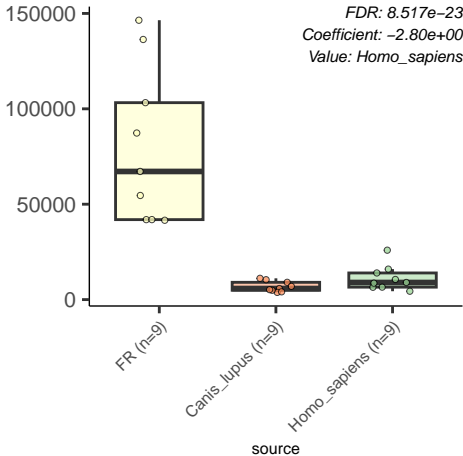
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

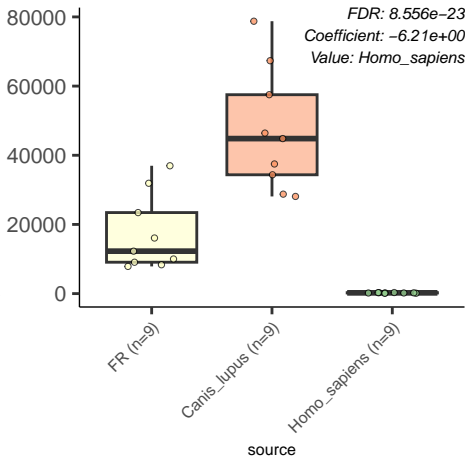
source

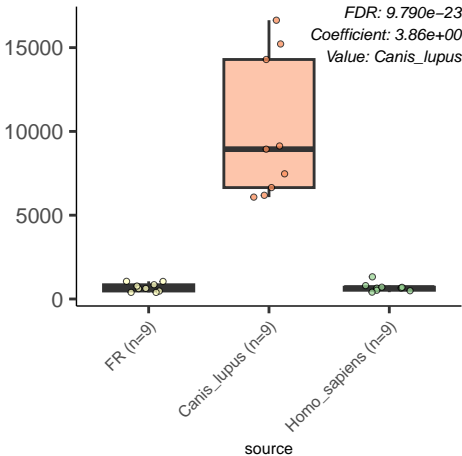


Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae



Bacteria.Firmicutes.Negativicutes.Selenomonadales





Bacteria.Firmicutes.Clostridia.Clostridiales.Oscillospiraceae

30000  
20000  
10000  
0

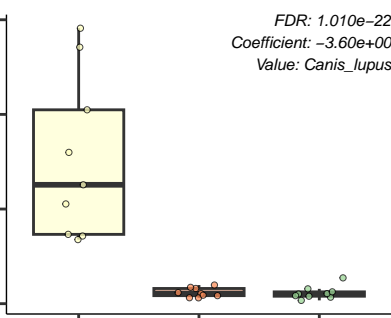
FR (n=9)

Canis\_lupus (n=9)

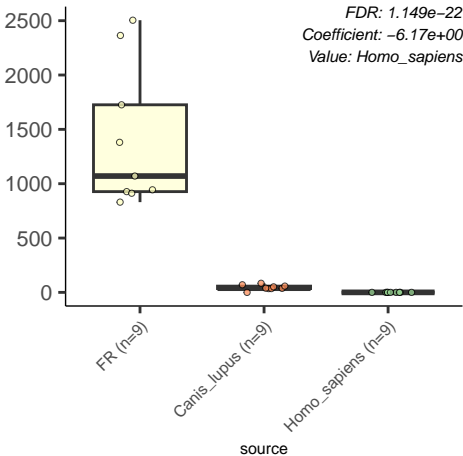
Homo\_sapiens (n=9)

source

FDR: 1.010e-22  
Coefficient: -3.60e+00  
Value: Canis\_lupus

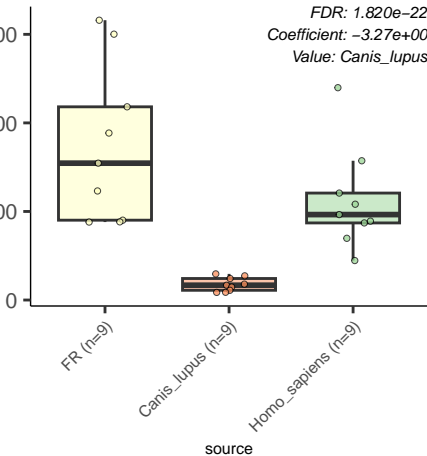






Bacteria.Firmicutes.Clostridia.Clostridiales.unassigned.F

FDR: 1.820e-22  
Coefficient: -3.27e+00  
Value: Canis\_lupus



FDR:  $4.404e-22$   
Coefficient:  $-1.20e+00$   
Value: *Canis\_lupus*

2000

1000

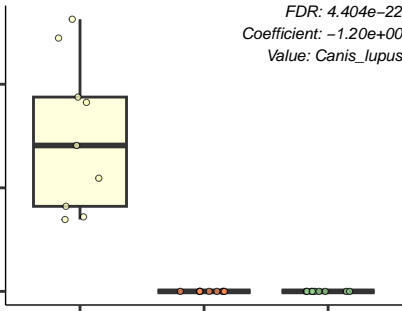
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



FDR:  $4.404e-22$   
Coefficient:  $-1.20e+00$   
Value: Homo\_sapiens

2000

1000

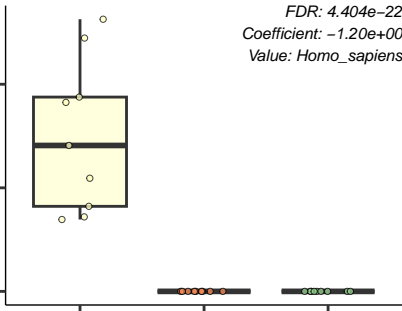
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



1e+05

5e+04

0e+00

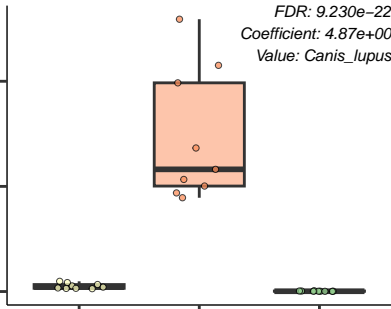
FR (n=9)

Canis\_lupus (n=9)

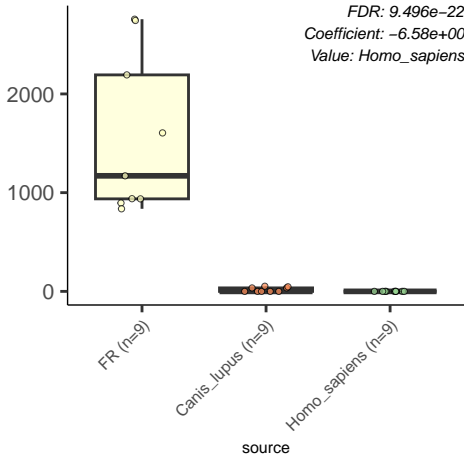
Homo\_sapiens (n=9)

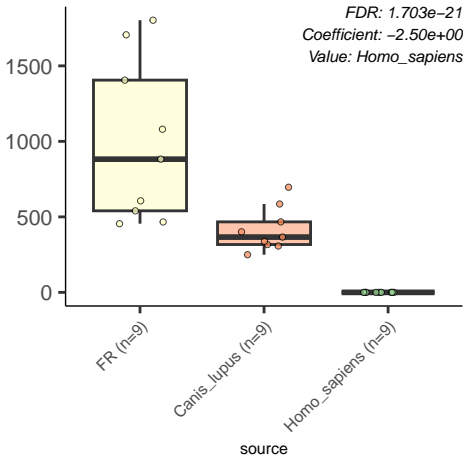
source

FDR: 9.230e-22  
Coefficient: 4.87e+00  
Value: Canis\_lupus



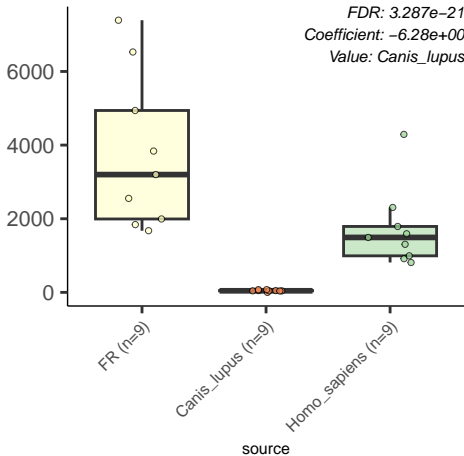
FDR:  $9.496e-22$   
Coefficient:  $-6.58e+00$   
Value: Homo\_sapiens





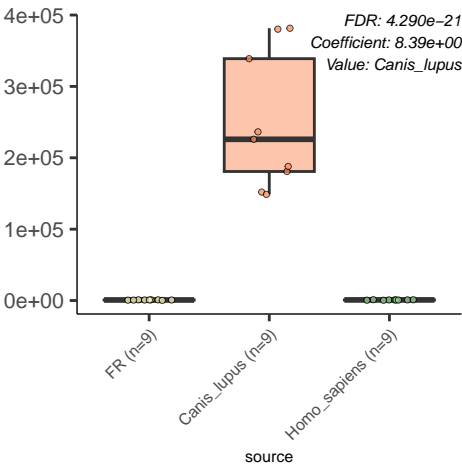
Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae.C

FDR: 3.287e-21  
Coefficient: -6.28e+00  
Value: Canis\_lupus

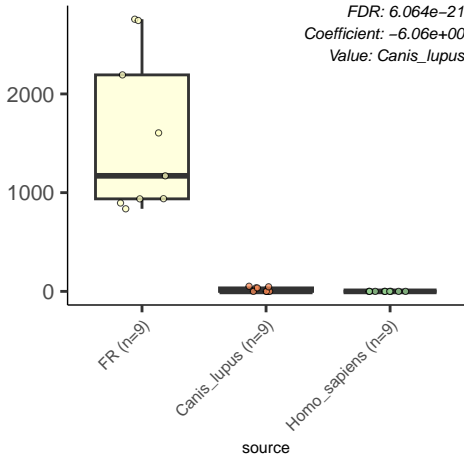


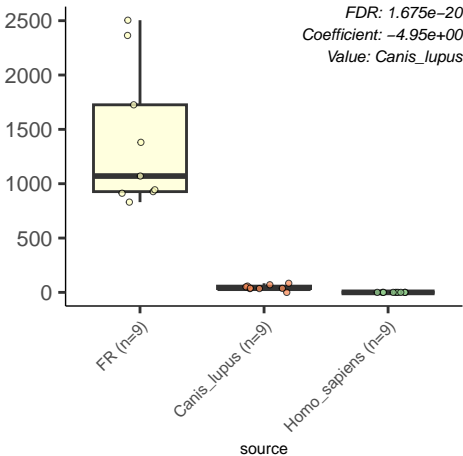


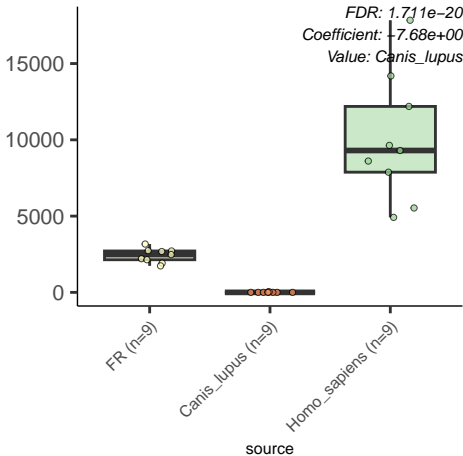
Bacteria.Firmicutes.Clostridia.Clostridiales.Peptostreptococaceae



FDR:  $6.064e-21$   
Coefficient:  $-6.06e+00$   
Value: *Canis\_lupus*







Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

6000  
4000  
2000  
0

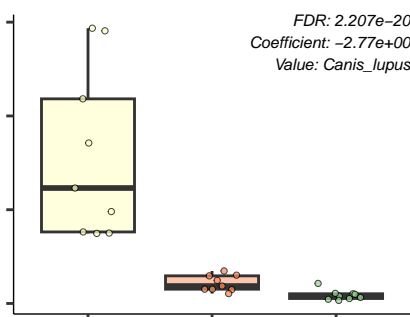
*FDR: 2.207e-20*  
*Coefficient: -2.77e+00*  
*Value: Canis\_lupus*

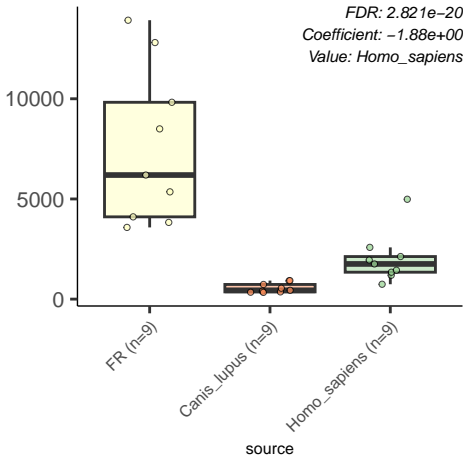
FR (n=9)

Canis\_lupus (n=9)

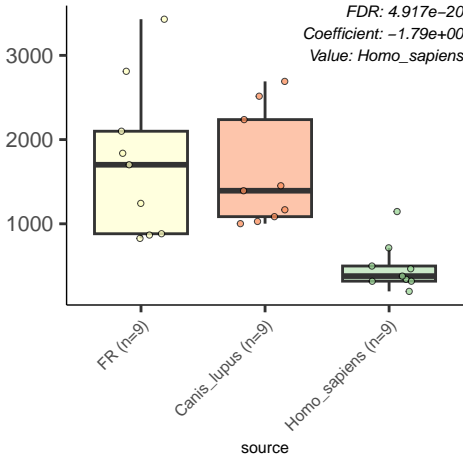
Homo\_sapiens (n=9)

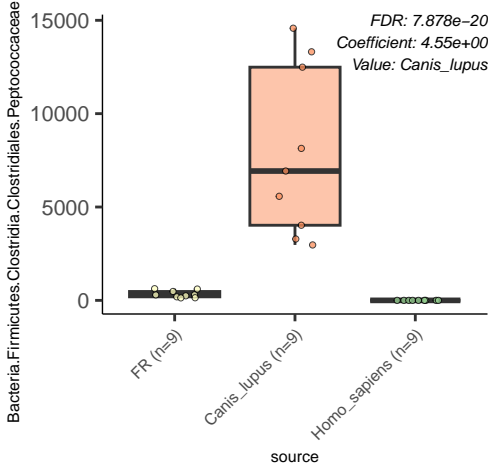
source





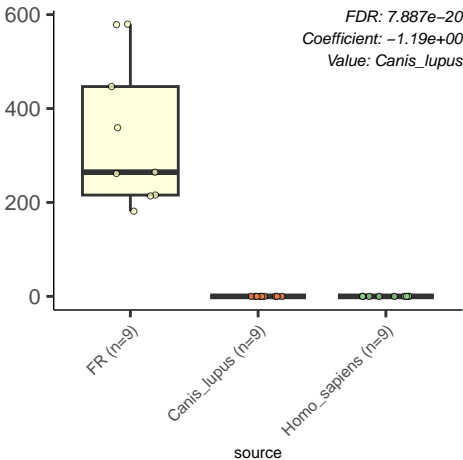
FDR:  $4.917e-20$   
Coefficient:  $-1.79e+00$   
Value: Homo\_sapiens







Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae

600  
400  
200  
0

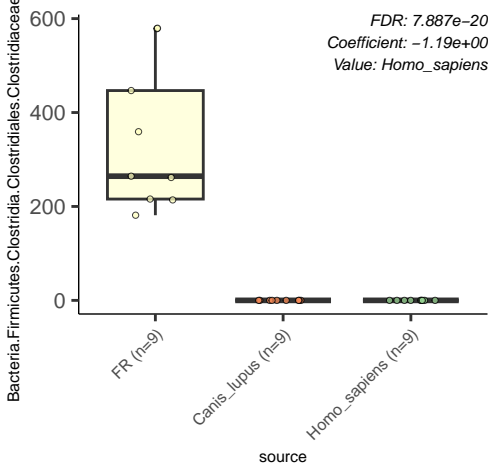
FR (n=9)

Canis\_lupus (n=9)

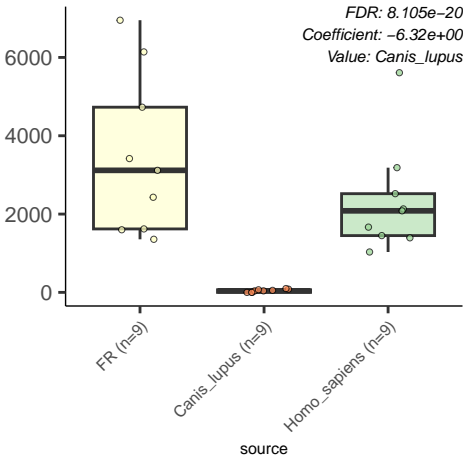
Homo\_sapiens (n=9)

source

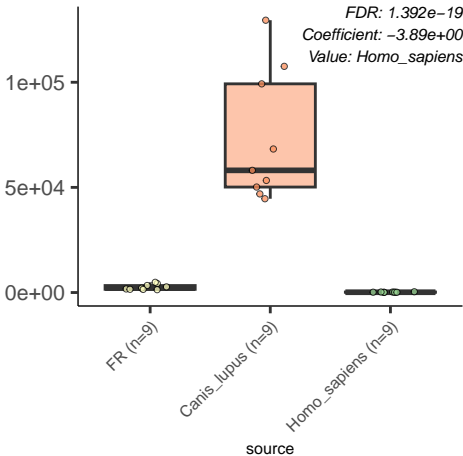
FDR:  $7.887e-20$   
Coefficient:  $-1.19e+00$   
Value: Homo\_sapiens



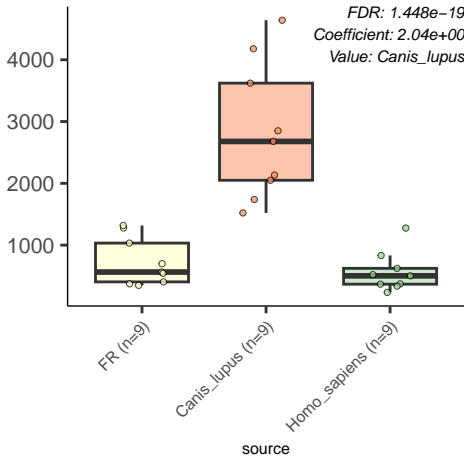
Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae



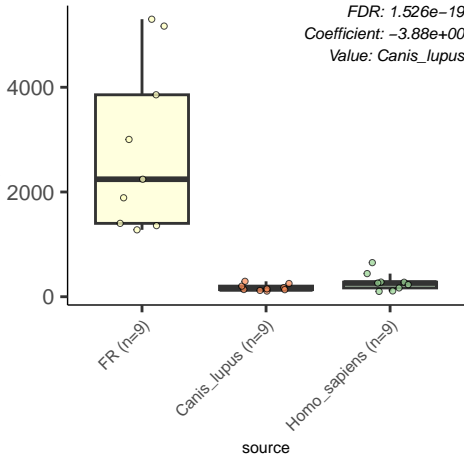
Bacteria.Firmicutes.Bacilli.Lactobacillales.Lactobacillaceae.

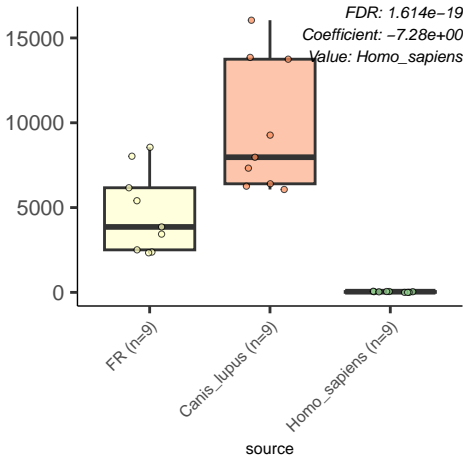


*FDR: 1.448e-19*  
*Coefficient: 2.04e+00*  
*Value: Canis\_lupus*



FDR: 1.526e-19  
Coefficient: -3.88e+00  
Value: Canis\_lupus





Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

25000  
20000  
15000  
10000  
5000

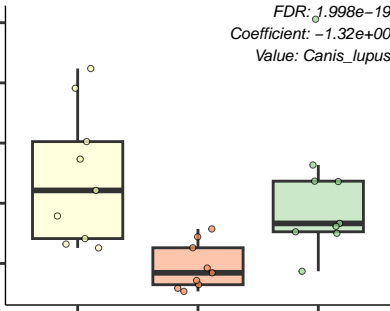
*FDR: 1.998e-19*  
*Coefficient: -1.32e+00*  
*Value: Canis\_lupus*

FR (n=9)

Canis\_lupus (n=9)

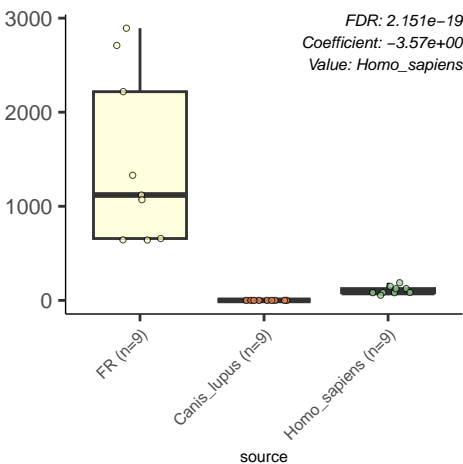
Homo\_sapiens (n=9)

source

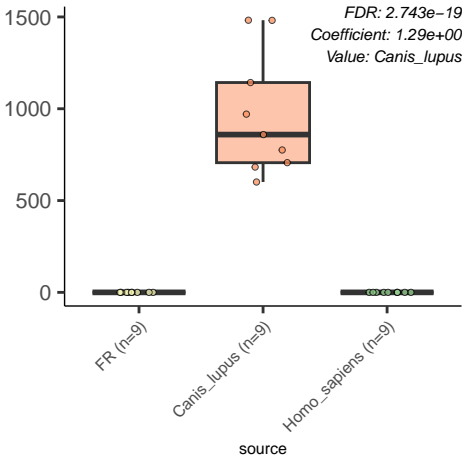




Bacteria.Firmicutes.Clostridia.Clostridiales.Catabacteriaceae



Bacteria.Firmicutes.Negativicutes.Veillonellales.Veillonellaceae



60000

40000

20000

0

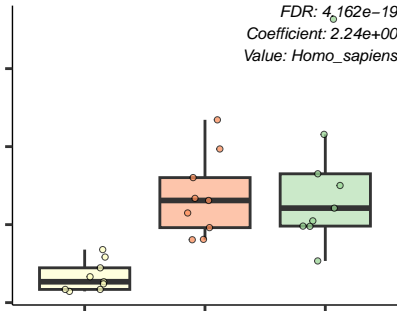
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

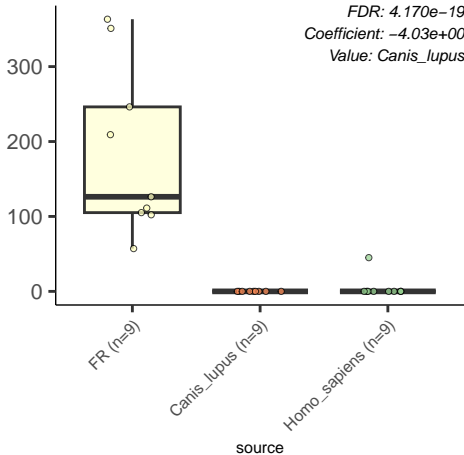
source

FDR:  $4.162e-19$   
Coefficient:  $2.24e+00$   
Value: Homo\_sapiens

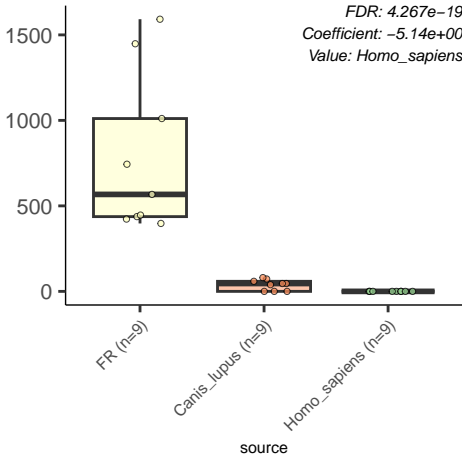


Bacteria.Firmicutes.Bacilli.Lactobacillales.Streptococcaceae

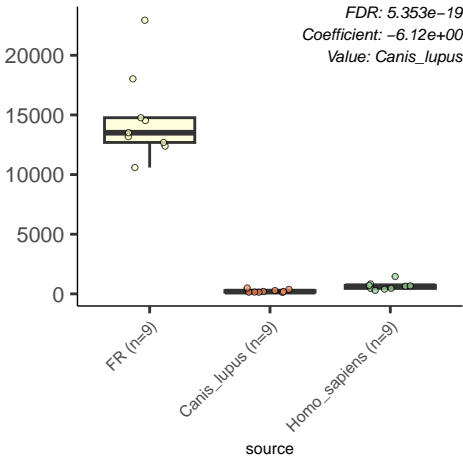
FDR:  $4.170e-19$   
Coefficient:  $-4.03e+00$   
Value: *Canis\_lupus*



FDR: 4.267e-19  
Coefficient: -5.14e+00  
Value: Homo\_sapiens

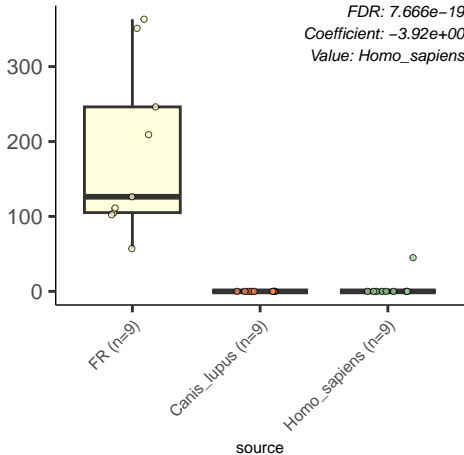


Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae



Bacteria.Firmicutes.Bacilli.Lactobacillales.Streptococcaceae

FDR:  $7.666e-19$   
Coefficient:  $-3.92e+00$   
Value: Homo\_sapiens



FDR:  $1.080e-18$   
Coefficient:  $2.14e+00$   
Value: *Canis\_lupus*

60000

40000

20000

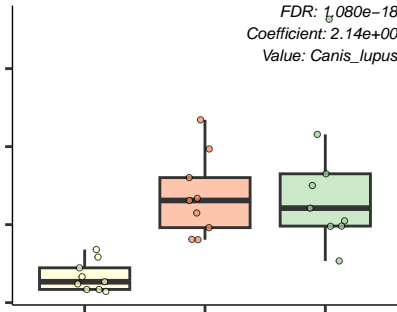
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

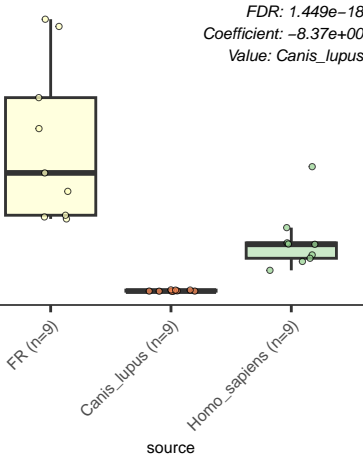
source

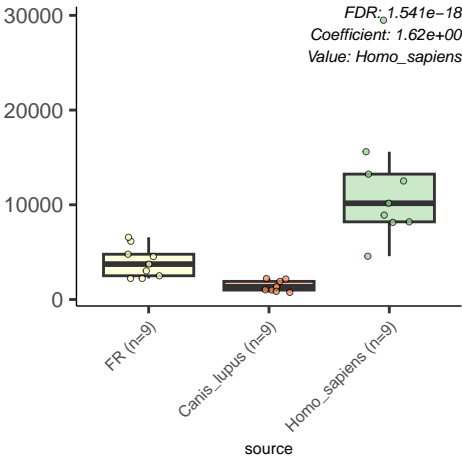




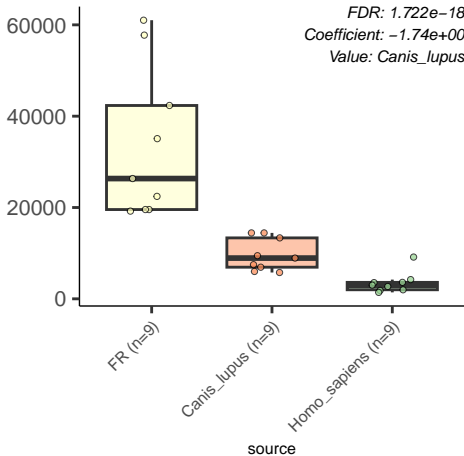
Bacteria.Firmicutes.Clostridia.Clostridiales.Eubacteriaceae.

FDR:  $1.449e-18$   
Coefficient:  $-8.37e+00$   
Value: *Canis\_lupus*

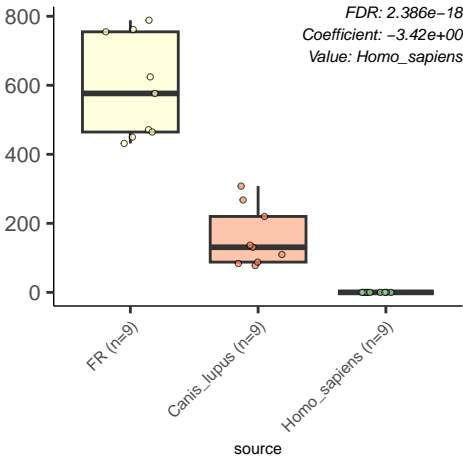




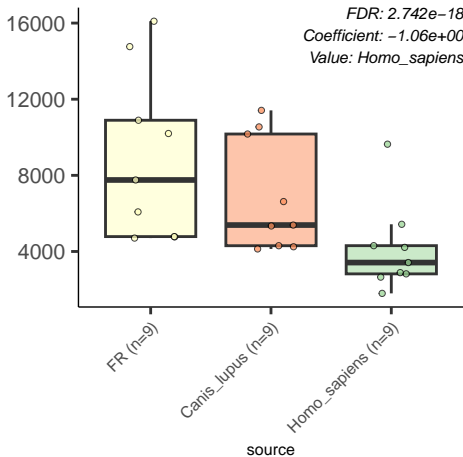
FDR:  $1.722e-18$   
Coefficient:  $-1.74e+00$   
Value: *Canis\_lupus*



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae.A.



FDR:  $2.742e-18$   
Coefficient:  $-1.06e+00$   
Value: Homo\_sapiens



FDR:  $3.131e-18$   
Coefficient:  $1.33e+00$   
Value: *Canis\_lupus*

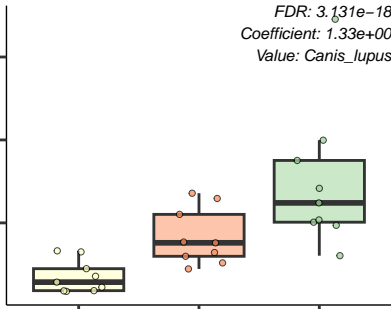
15000  
10000  
5000

FR (n=9)

Canis\_lupus (n=9)

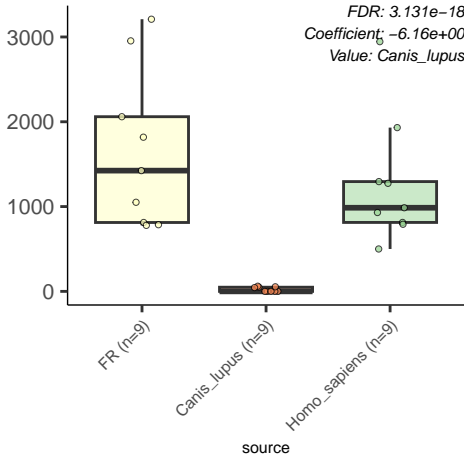
Homo\_sapiens (n=9)

source

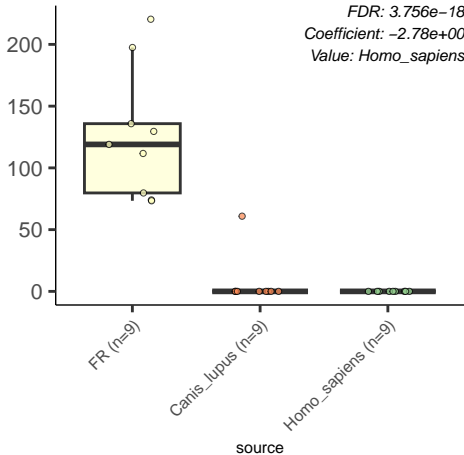


Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae.Ps

*FDR: 3.131e-18*  
*Coefficient: -6.16e+00*  
*Value: Canis\_lupus*

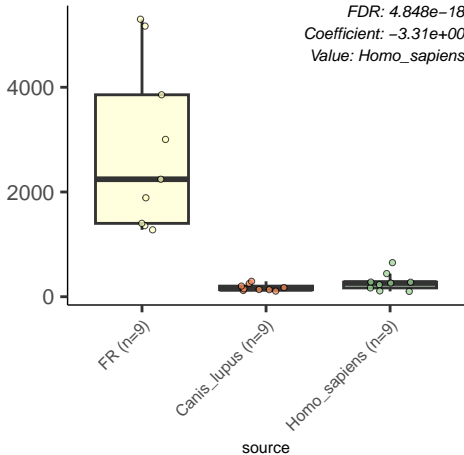


FDR:  $3.756e-18$   
Coefficient:  $-2.78e+00$   
Value: Homo\_sapiens





FDR: 4.848e-18  
Coefficient: -3.31e+00  
Value: Homo\_sapiens



FDR:  $5.978e-18$   
Coefficient:  $-5.04e+00$   
Value: *Canis\_lupus*

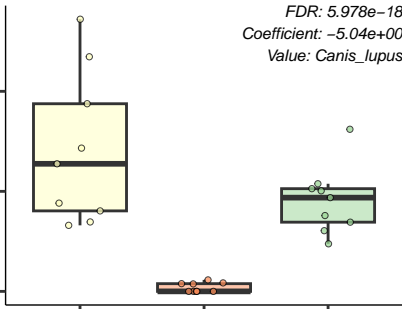
1000  
500  
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source





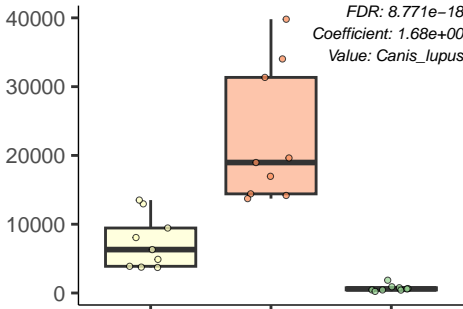
FDR:  $8.771e-18$   
Coefficient:  $1.68e+00$   
Value: *Canis\_lupus*

FR (n=9)

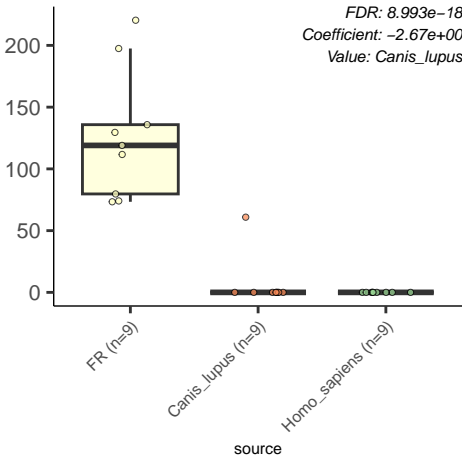
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

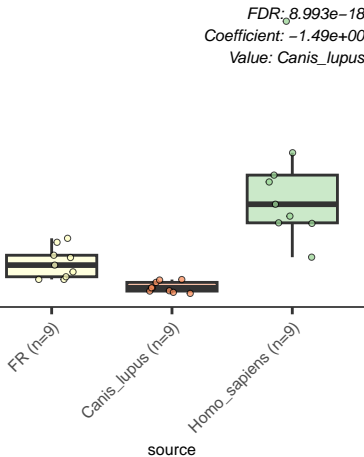
source



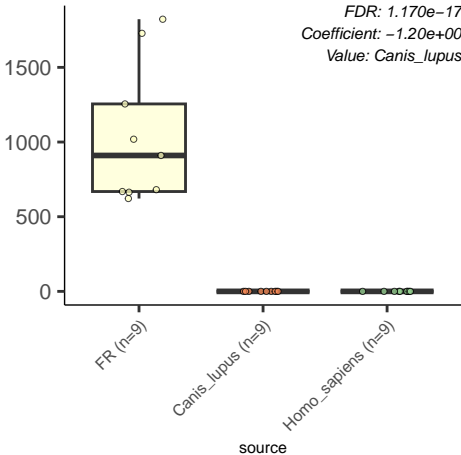
Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae



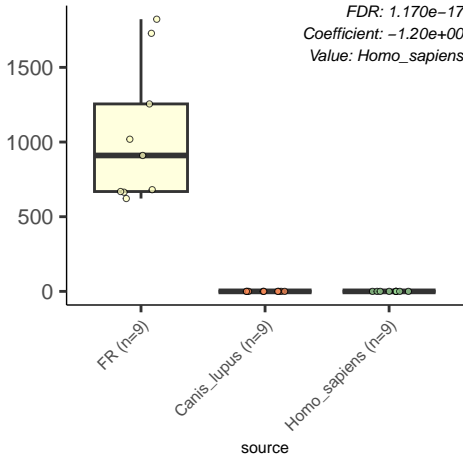
FDR:  $8.993e-18$   
Coefficient:  $-1.49e+00$   
Value: *Canis\_lupus*



FDR:  $1.170e-17$   
Coefficient:  $-1.20e+00$   
Value: *Canis\_lupus*

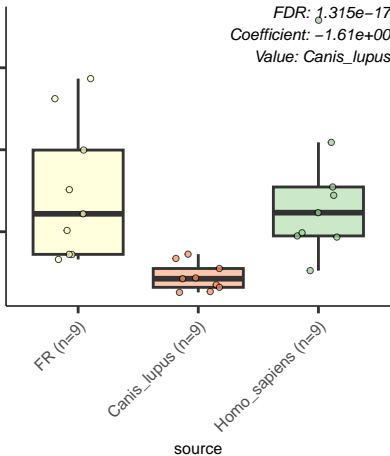


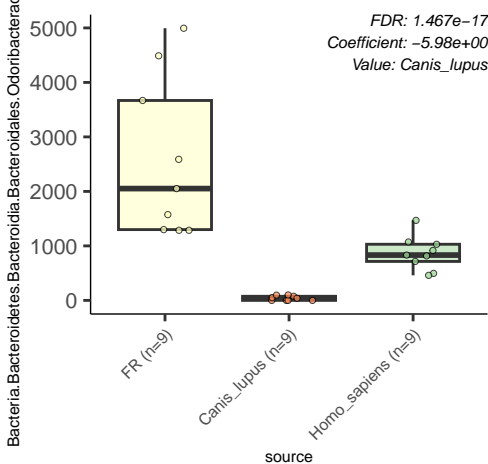
FDR:  $1.170e-17$   
Coefficient:  $-1.20e+00$   
Value: Homo\_sapiens



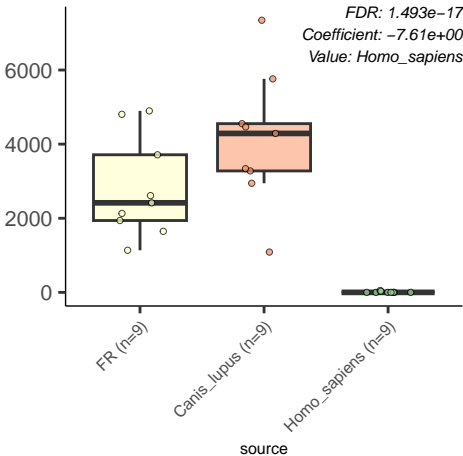


FDR:  $1.315e-17$   
Coefficient:  $-1.61e+00$   
Value: *Canis\_lupus*

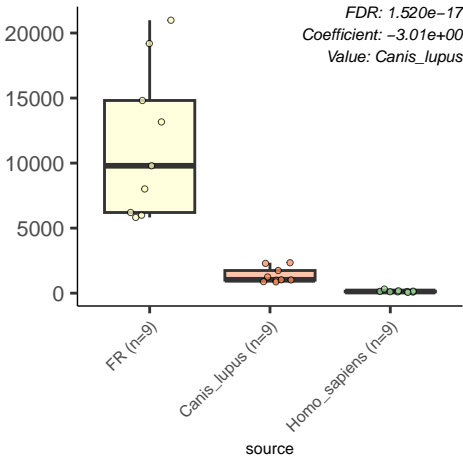




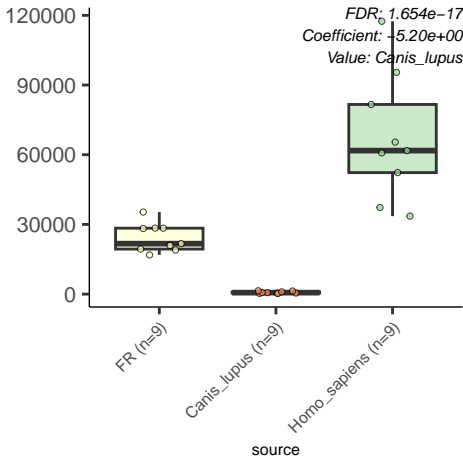
Bacteria.Firmicutes.Erysipelotrichia.Erysipelotrichales.Erysipelot



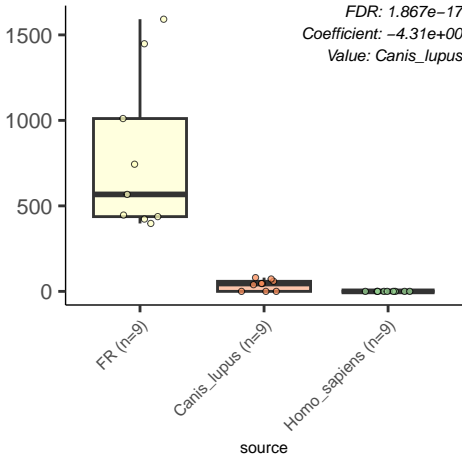
Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae



Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.missing.

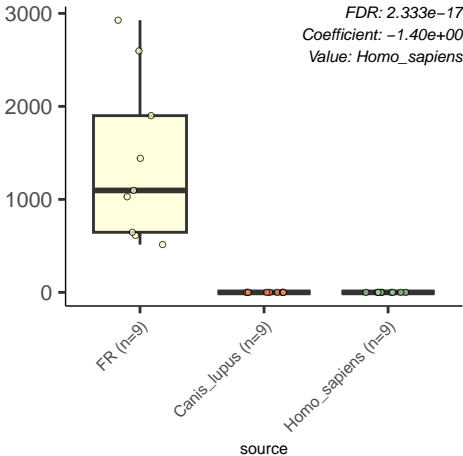


FDR:  $1.867e-17$   
Coefficient:  $-4.31e+00$   
Value: *Canis\_lupus*





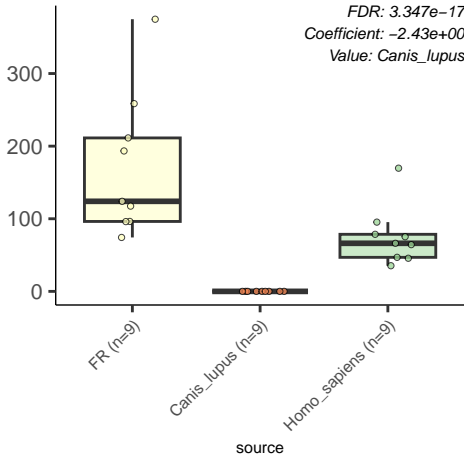
Bacteria.Firmicutes.Negativicutes.Veillonellales.Veillonellaceae



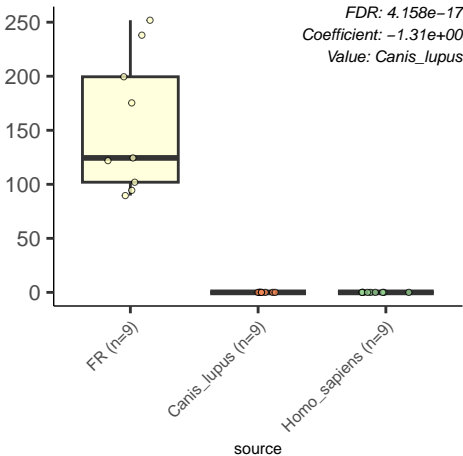




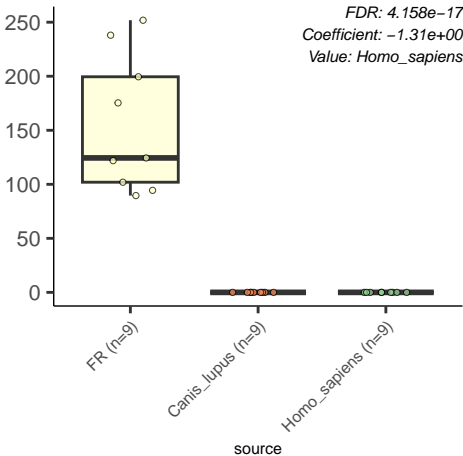
FDR:  $3.347e-17$   
Coefficient:  $-2.43e+00$   
Value: *Canis\_lupus*



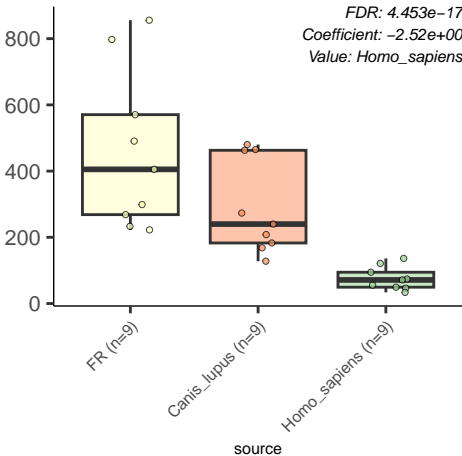
Bacteria.Firmicutes.Clostridia.Clostridiales.Peptococcaceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Peptococcaceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae.S

750

500

250

0

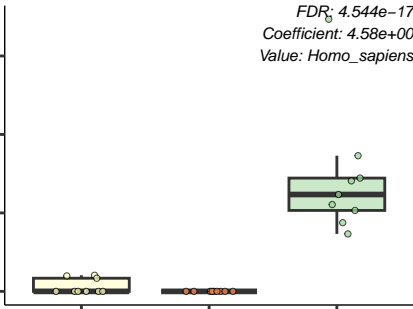
FR (n=9)

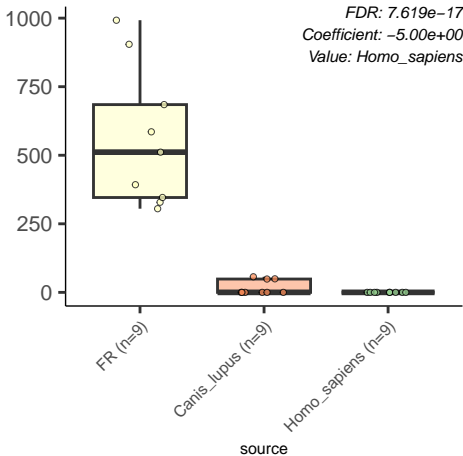
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

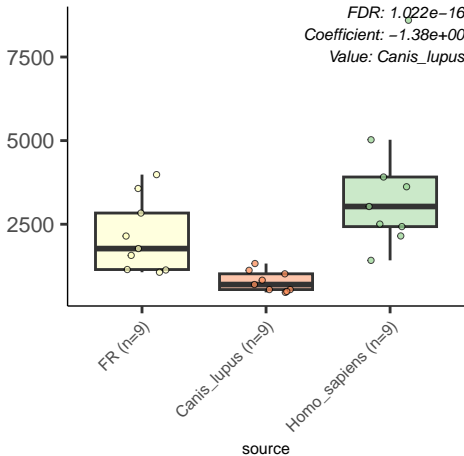
source

*FDR: 4.544e-17*  
*Coefficient: 4.58e+00*  
*Value: Homo\_sapiens*



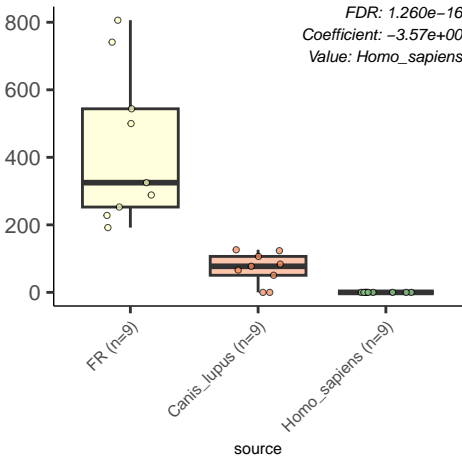


FDR:  $1.022e-16$   
Coefficient:  $-1.38e+00$   
Value: *Canis\_lupus*





Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae



Bacteria.Synergistetes.Synergistia.Synergistales.Synergistaceae

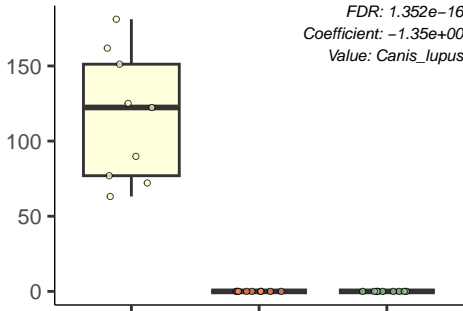
FDR:  $1.352e-16$   
Coefficient:  $-1.35e+00$   
Value: *Canis\_lupus*

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



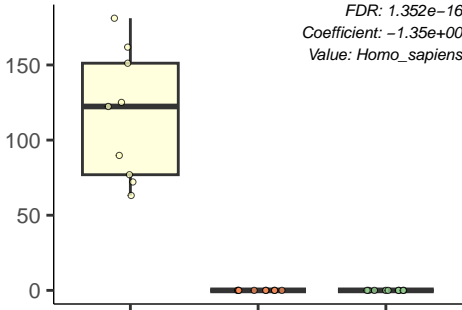
FDR:  $1.352e-16$   
Coefficient:  $-1.35e+00$   
Value: Homo\_sapiens

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



Bacteria.Firmicutes.Clostridia.Clostridiales.Peptostreptococaceae

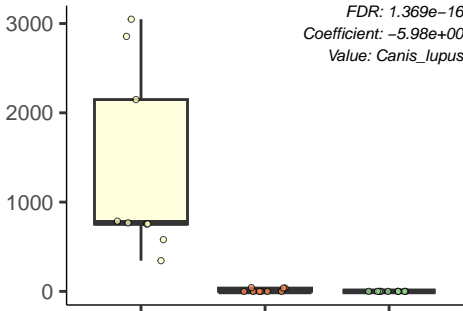
FDR:  $1.369 \times 10^{-16}$   
Coefficient:  $-5.98 \times 10^0$   
Value: *Canis\_lupus*

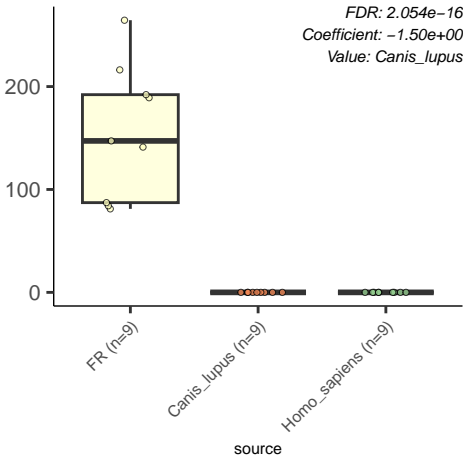
FR (n=9)

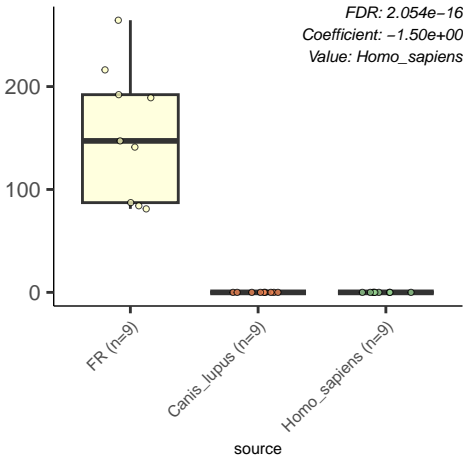
*Canis\_lupus* (n=9)

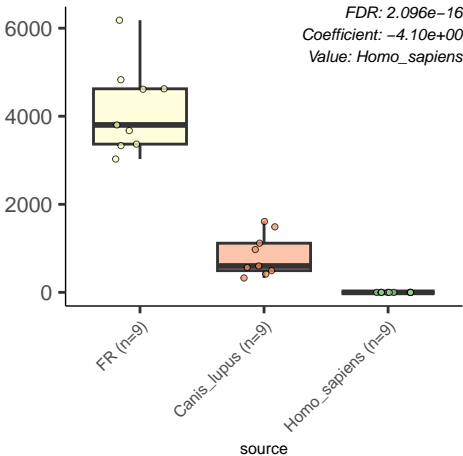
*Homo\_sapiens* (n=9)

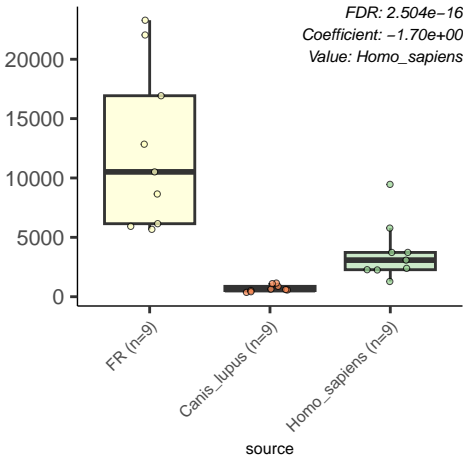
source













20000  
15000  
10000  
5000

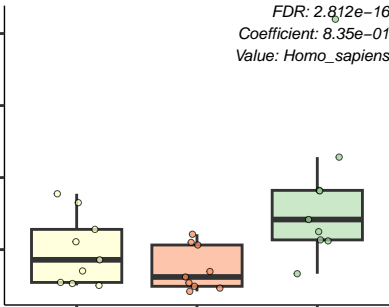
*FDR: 2.812e-16*  
*Coefficient: 8.35e-01*  
*Value: Homo\_sapiens*

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



Bacteria.Firmicutes.Clostridia.Clostridiales.unassigned.Int

6000

4000

2000

0

FR (n=9)

Canis\_lupus (n=9)

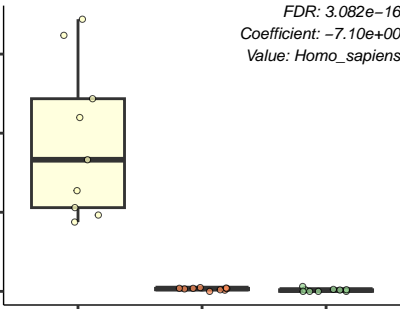
Homo\_sapiens (n=9)

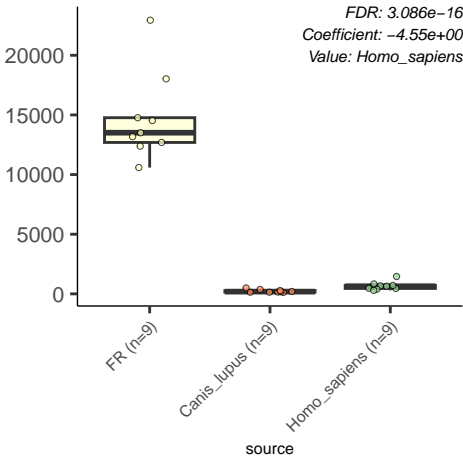
source

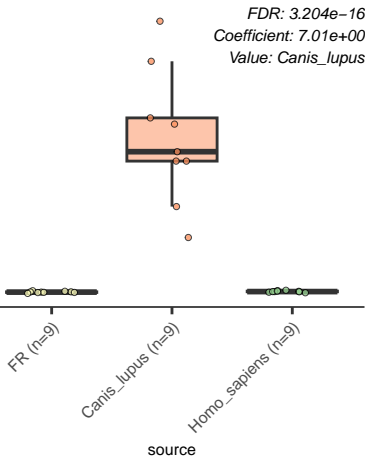
FDR:  $3.082e-16$

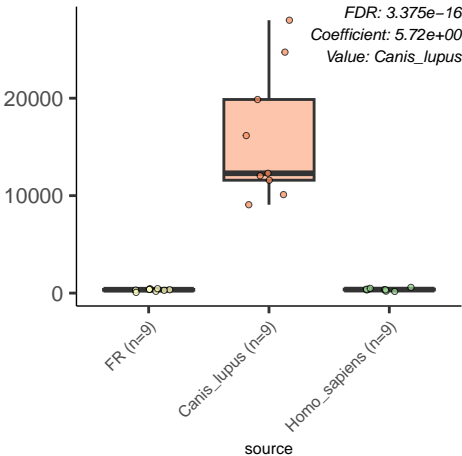
Coefficient:  $-7.10e+00$

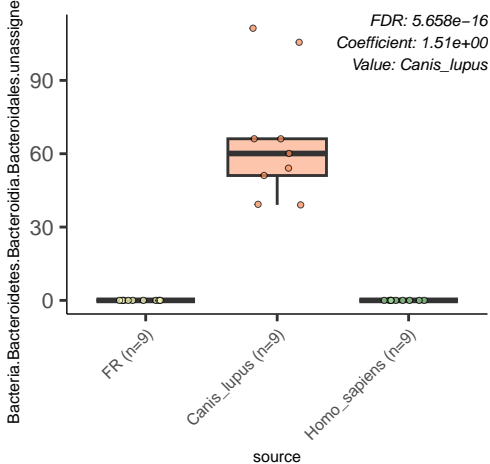
Value: Homo\_sapiens

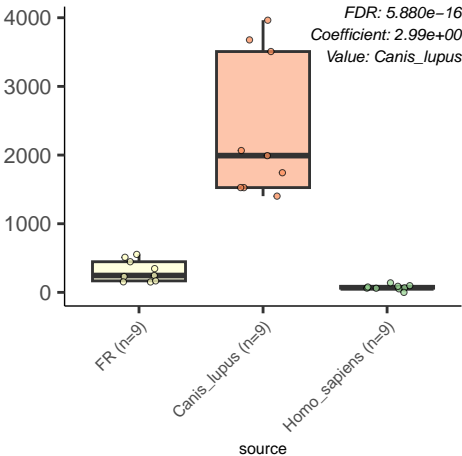










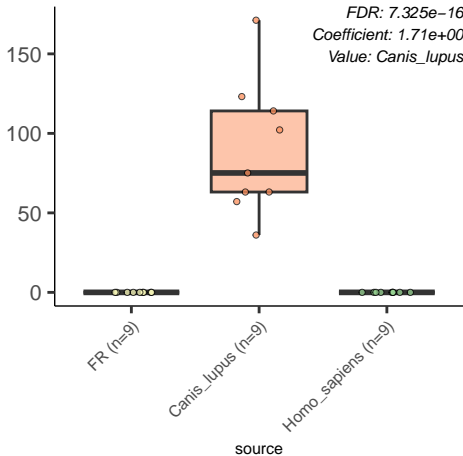


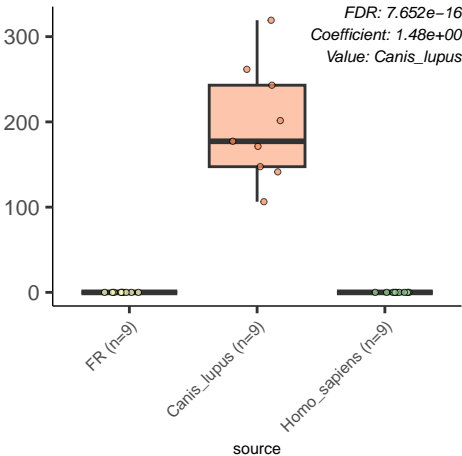




Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.Candi

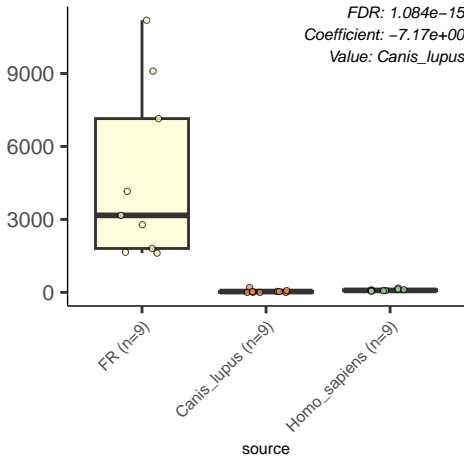
*FDR: 7.325e-16*  
*Coefficient: 1.71e+00*  
*Value: Canis\_lupus*

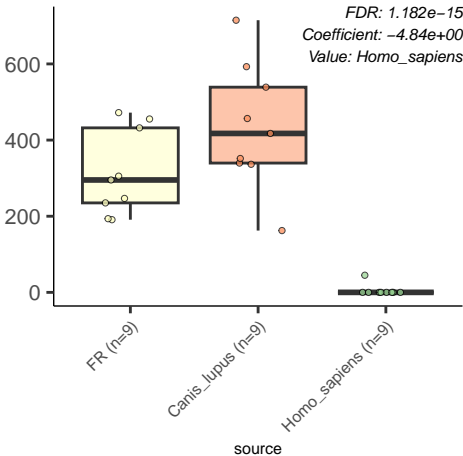




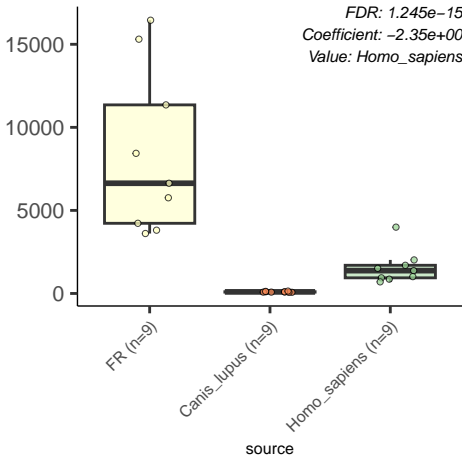
Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

FDR:  $1.084e-15$   
Coefficient:  $-7.17e+00$   
Value: *Canis\_lupus*

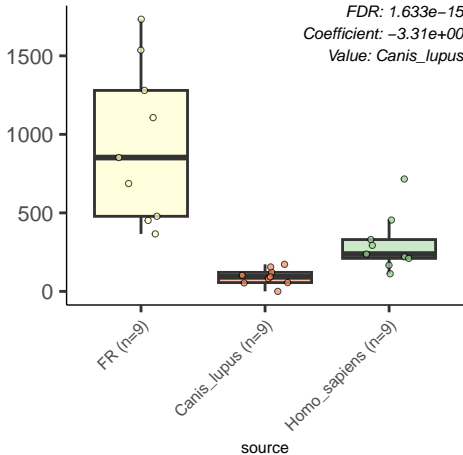




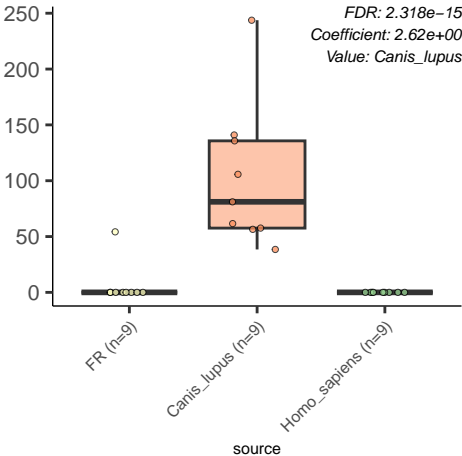
FDR:  $1.245e-15$   
Coefficient:  $-2.35e+00$   
Value: Homo\_sapiens



FDR:  $1.633\text{e-}15$   
Coefficient:  $-3.31\text{e}+00$   
Value: *Canis\_lupus*



Bacteria.Firmicutes.Clostridia.Clostridiales.Peptostreptococceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae.L

400  
200  
0

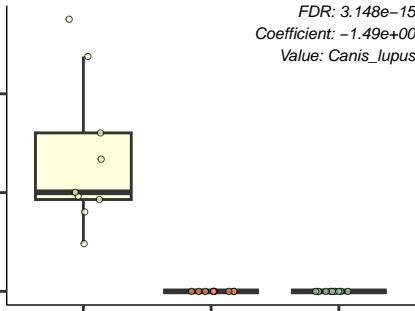
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source

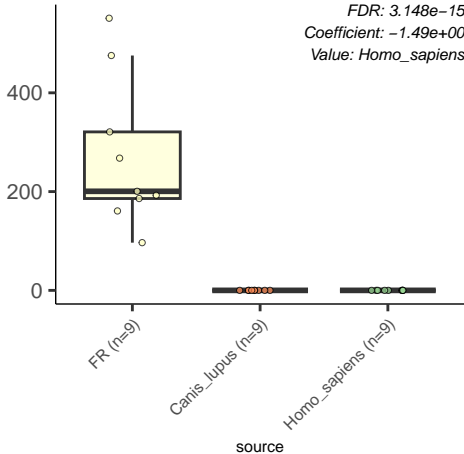
FDR:  $3.148 \times 10^{-15}$   
Coefficient:  $-1.49 \times 10^0$   
Value: Canis\_lupus





Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae.L

FDR:  $3.148 \times 10^{-15}$   
Coefficient:  $-1.49 \times 10^0$   
Value: Homo\_sapiens



Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcace

750  
500  
250

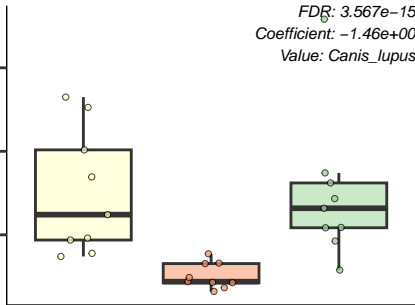
*FDR: 3.567e-15*  
*Coefficient: -1.46e+00*  
*Value: Canis\_lupus*

FR (n=9)

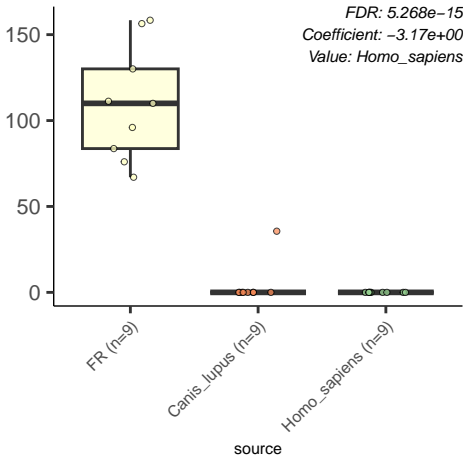
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

400  
300  
200  
100  
0

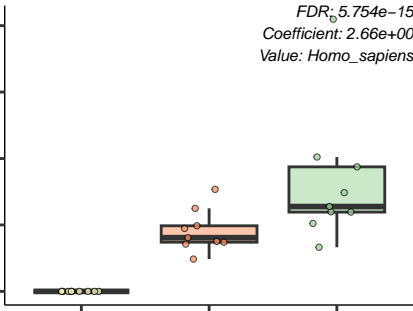
*FDR: 5.754e-15*  
*Coefficient: 2.66e+00*  
*Value: Homo\_sapiens*

FR (n=9)

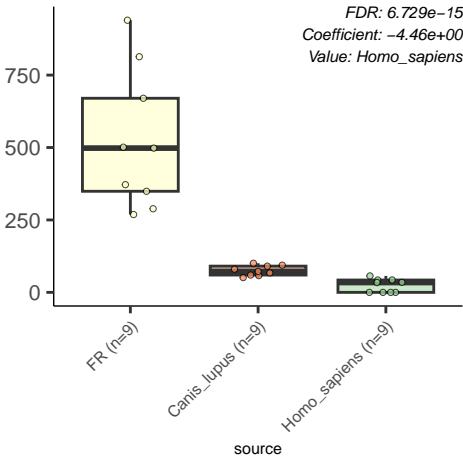
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

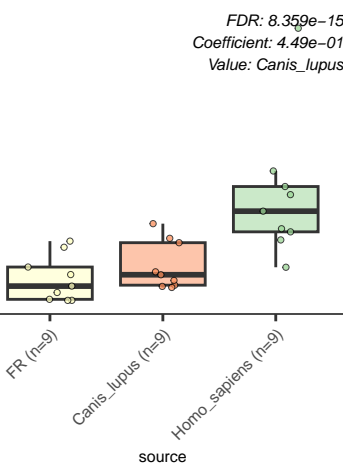
source



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae



*FDR: 8.359e-15*  
*Coefficient: 4.49e-01*  
*Value: Canis\_lupus*



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

FDR:  $9.782e-15$   
Coefficient:  $5.62e+00$   
Value: *Canis\_lupus*

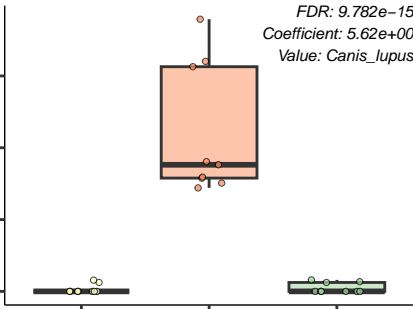
750  
500  
250  
0

FR (n=9)

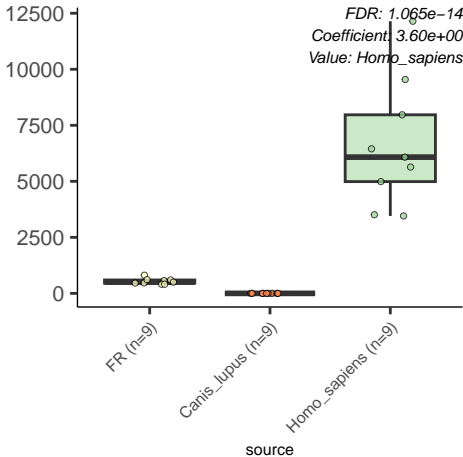
*Canis\_lupus* (n=9)

*Homo\_sapiens* (n=9)

source

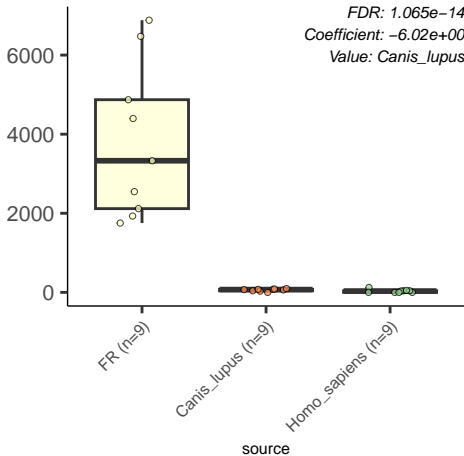


Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Barnesiellac

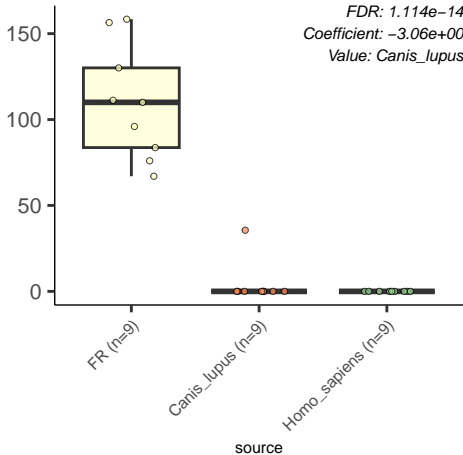




FDR:  $1.065e-14$   
Coefficient:  $-6.02e+00$   
Value: *Canis\_lupus*

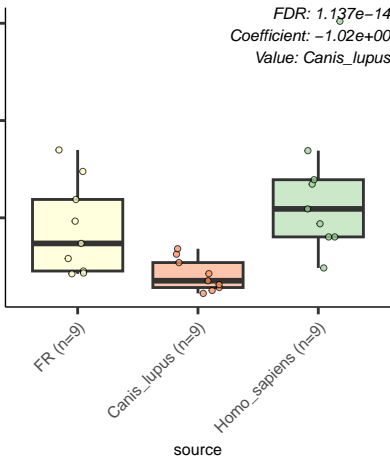


FDR:  $1.114e-14$   
Coefficient:  $-3.06e+00$   
Value: *Canis\_lupus*

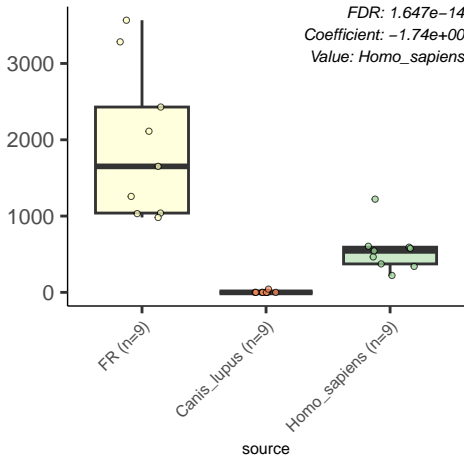


Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

*FDR: 1.137e-14*  
*Coefficient: -1.02e+00*  
*Value: Canis\_lupus*



FDR:  $1.647e-14$   
Coefficient:  $-1.74e+00$   
Value: Homo\_sapiens



Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

FDR:  $2.160e-14$   
Coefficient:  $-1.42e+00$   
Value: Canis\_lupus

2000

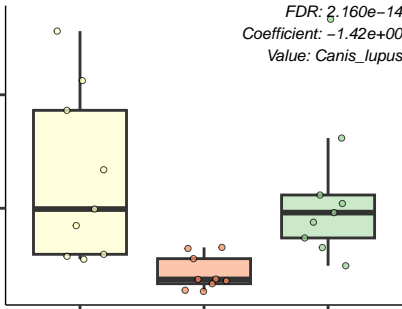
1000

FR (n=9)

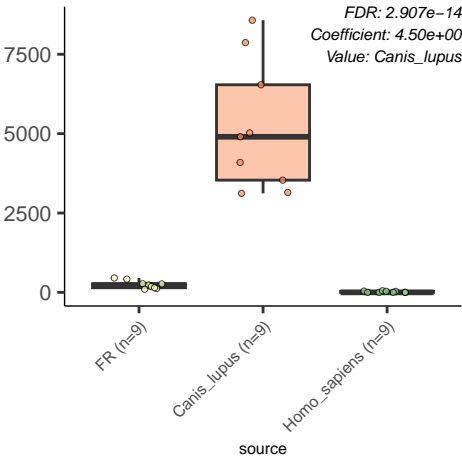
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

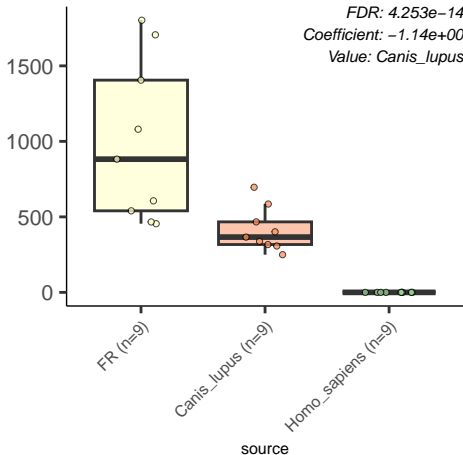
source



Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae



FDR:  $4.253e-14$   
Coefficient:  $-1.14e+00$   
Value: *Canis\_lupus*



FDR:  $4.895e-14$   
Coefficient:  $8.23e-01$   
Value: *Canis\_lupus*

10000

5000

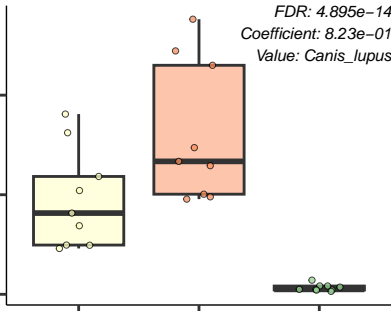
0

FR (n=9)

Canis\_lupus (n=9)

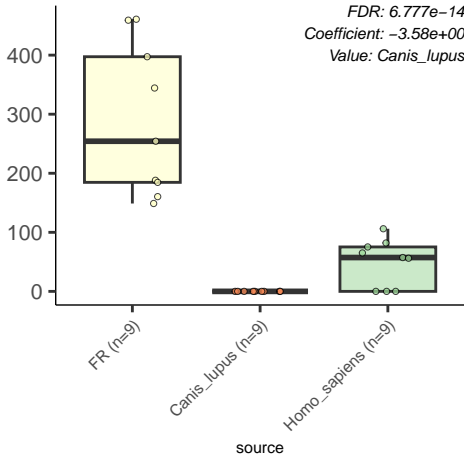
Homo\_sapiens (n=9)

source

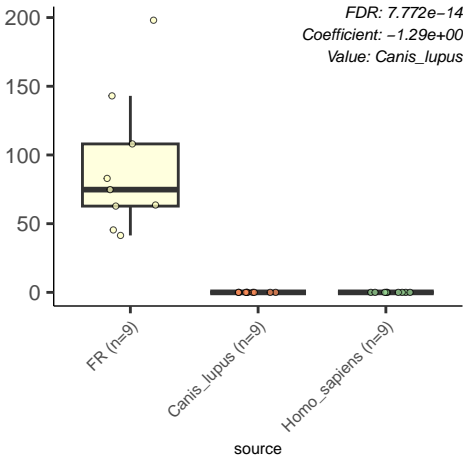




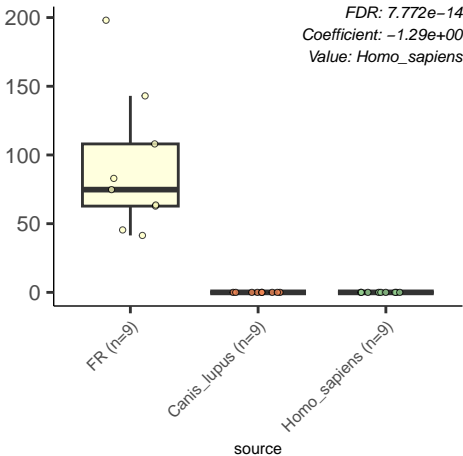
FDR: 6.777e-14  
Coefficient: -3.58e+00  
Value: Canis\_lupus



Bacteria.Firmicutes.Clostridia.Clostridiales.Gracilibacteraceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Gracilibacteraceae



*FDR: 1.045e-13*  
*Coefficient: 1.74e+00*  
*Value: Canis\_lupus*

2000

1000

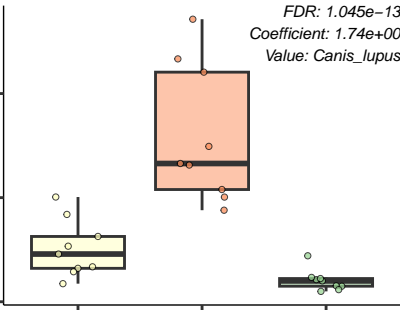
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source





Bacteria.Lentisphaerae.Lentisphaeria.Victivallales.unassigned

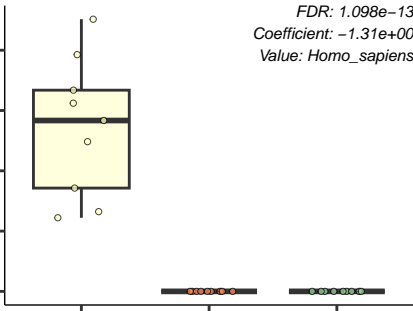
FDR:  $1.098\text{e-}13$   
Coefficient:  $-1.31\text{e}+00$   
Value: Homo\_sapiens

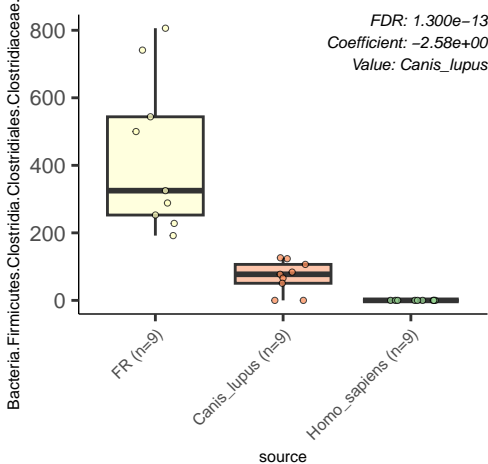
FR (n=9)

Canis\_lupus (n=9)

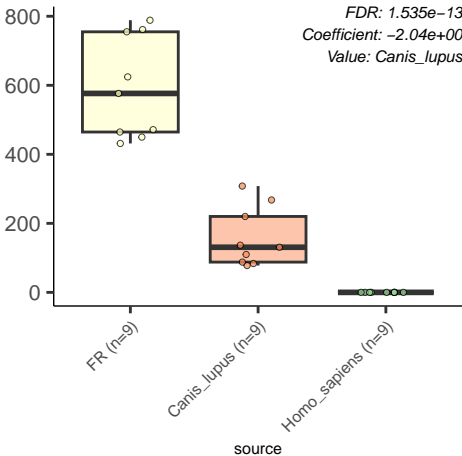
Homo\_sapiens (n=9)

source

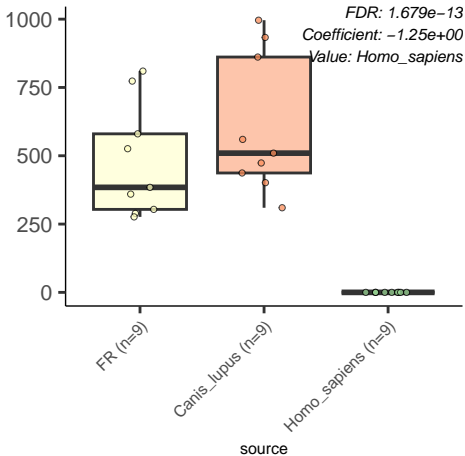


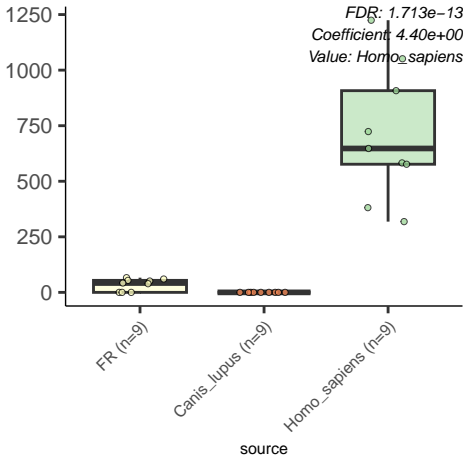


Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae.A.

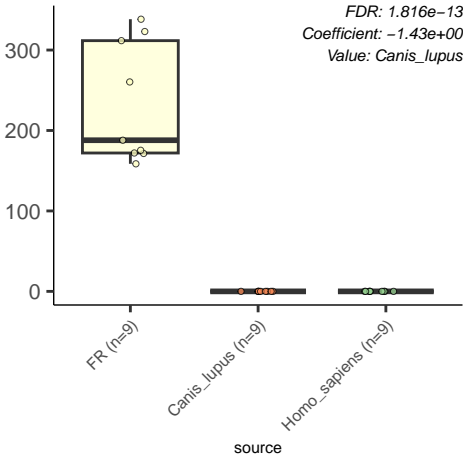




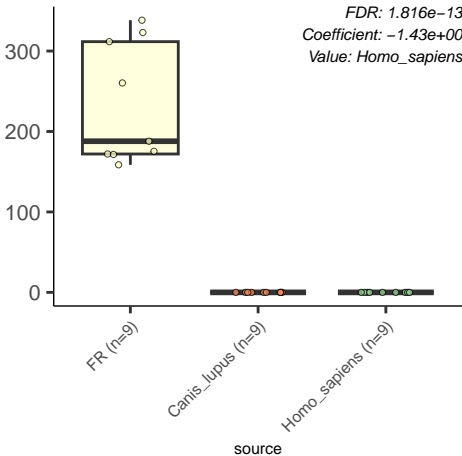




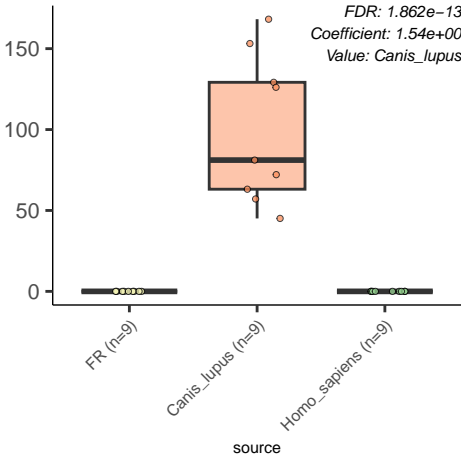
Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae



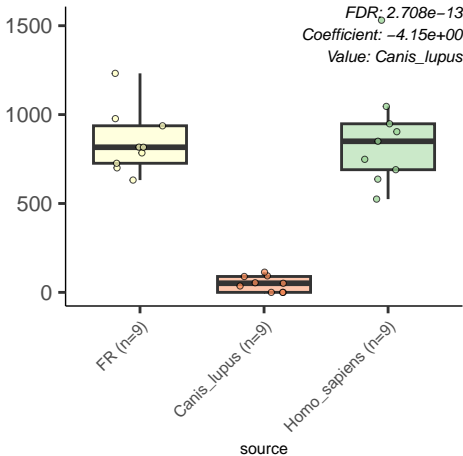
Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

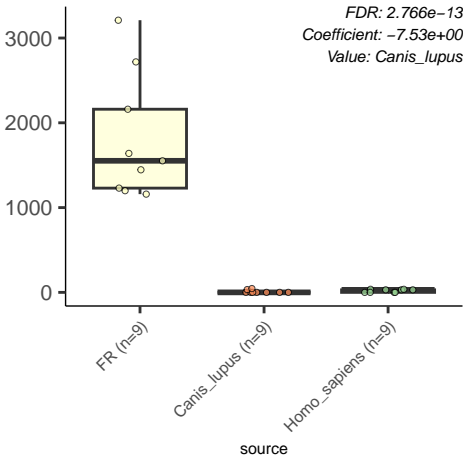


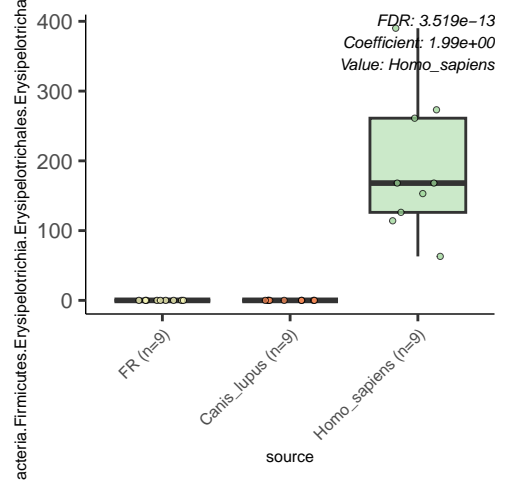
FDR: 1.862e-13  
Coefficient: 1.54e+00  
Value: Canis\_lupus



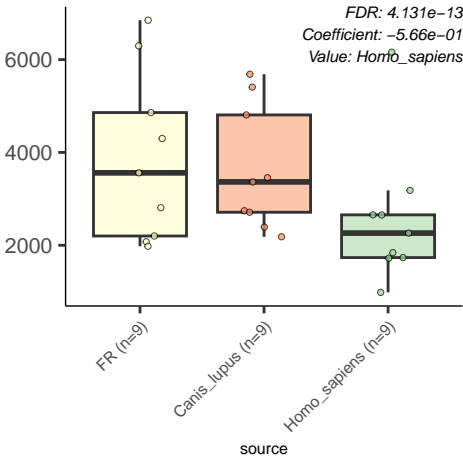
Bacteria.Actinobacteria.Coriobacteriia.Eggerthellales.Eggerthellales



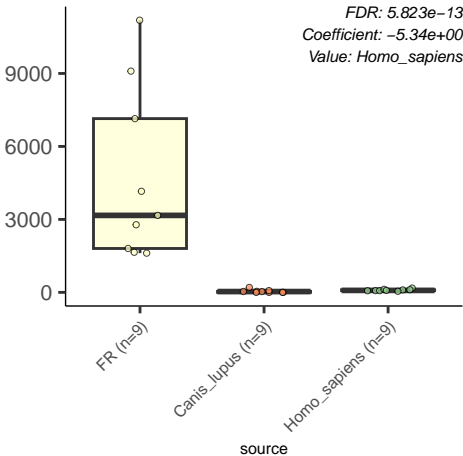




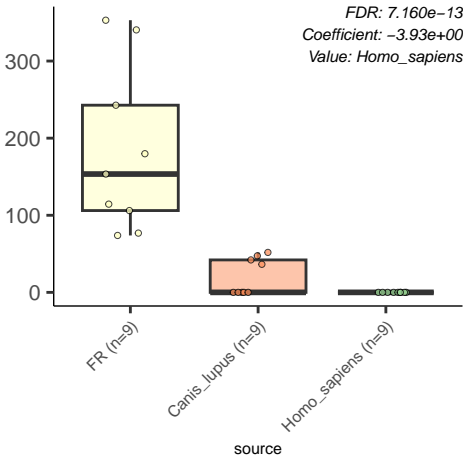


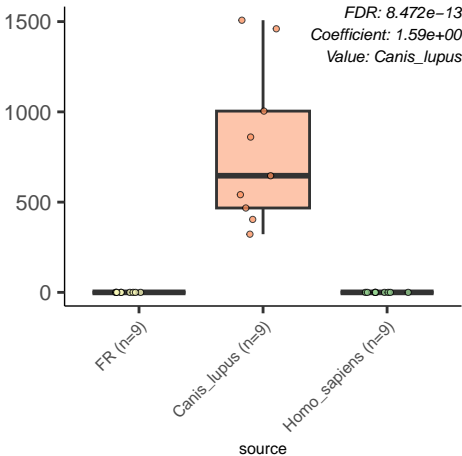


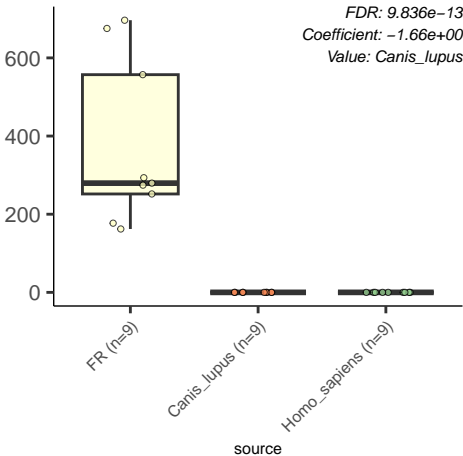
Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae.S.

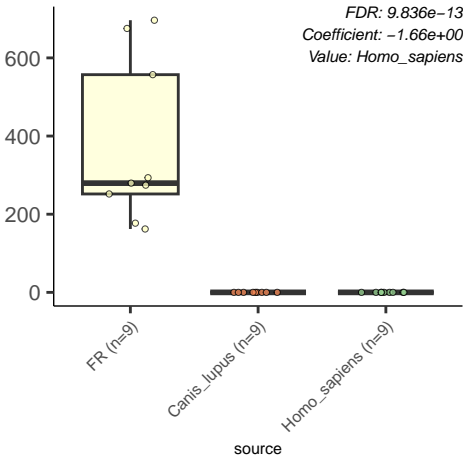


Bacteria.Firmicutes.Clostridia.Clostridiales.Eubacteriaceae.L









Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.unassigned

7500  
5000  
2500  
0

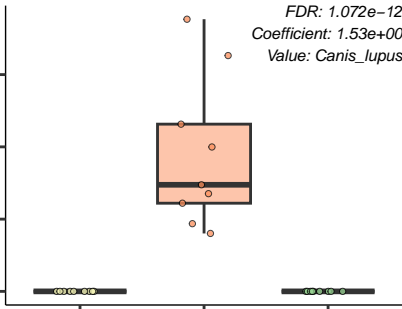
*FDR: 1.072e-12*  
*Coefficient: 1.53e+00*  
*Value: Canis\_lupus*

FR (n=9)

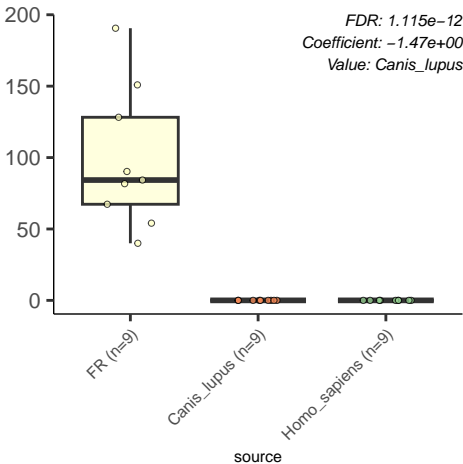
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source

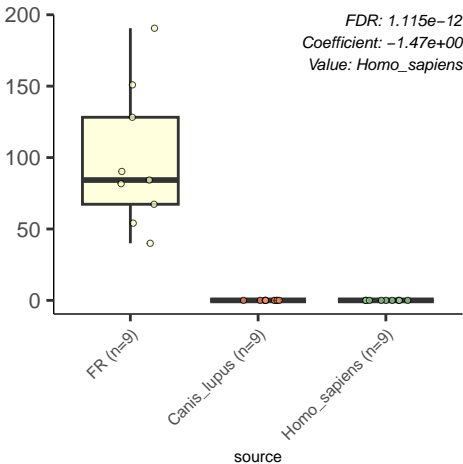


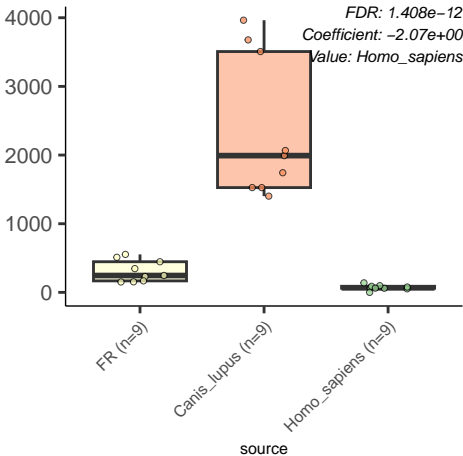
Bacteria.Firmicutes.Clostridia.Clostridiales.Eubacteriaceae.

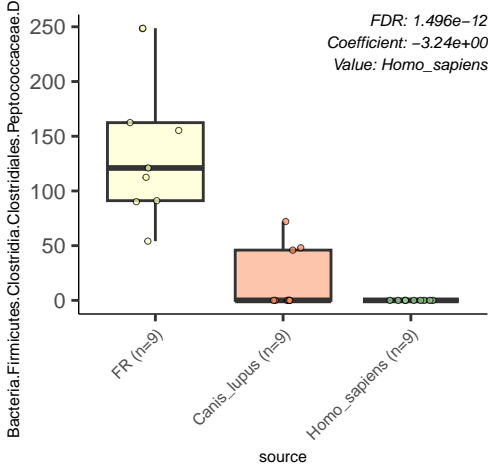




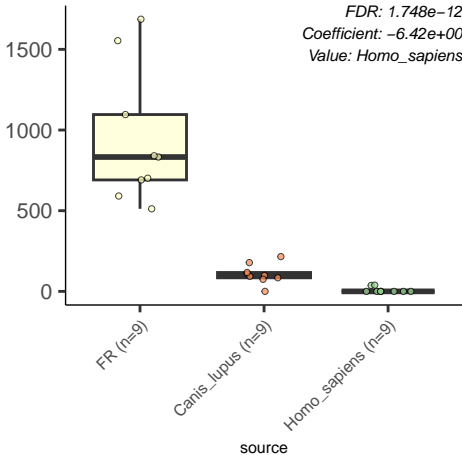
Bacteria.Firmicutes.Clostridia.Clostridiales.Eubacteriaceae.

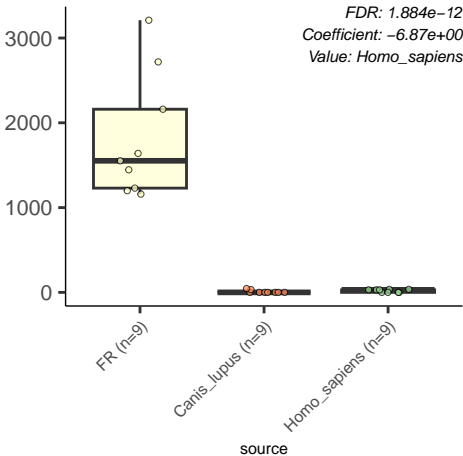






FDR:  $1.748e-12$   
Coefficient:  $-6.42e+00$   
Value: Homo\_sapiens





60000  
40000  
20000  
0

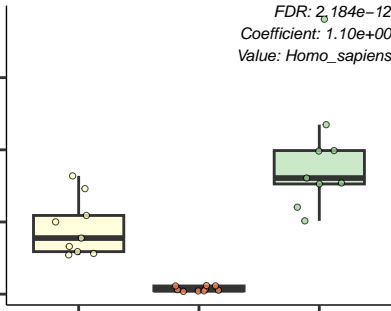
FR (n=9)

Canis\_lupus (n=9)

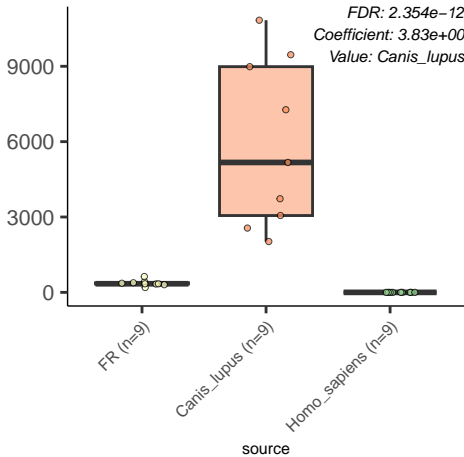
Homo\_sapiens (n=9)

source

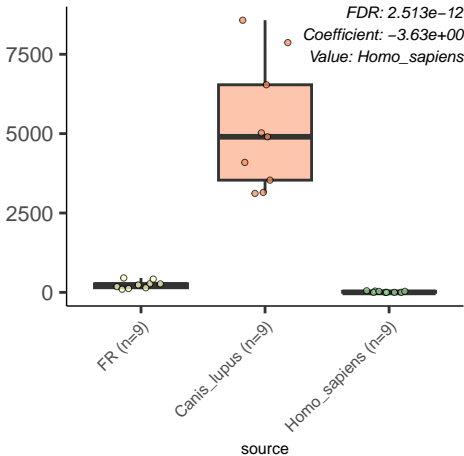
FDR:  $2.184e-12$   
Coefficient:  $1.10e+00$   
Value: Homo\_sapiens



FDR:  $2.354e-12$   
Coefficient:  $3.83e+00$   
Value: *Canis\_lupus*



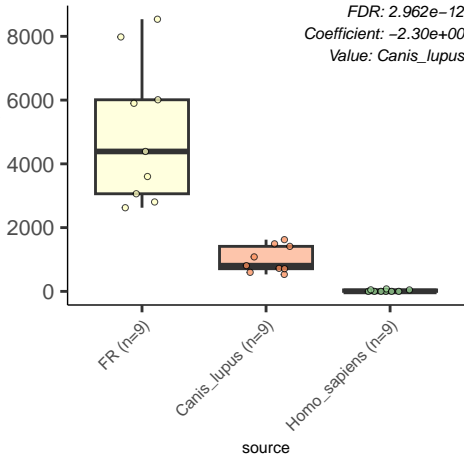
Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

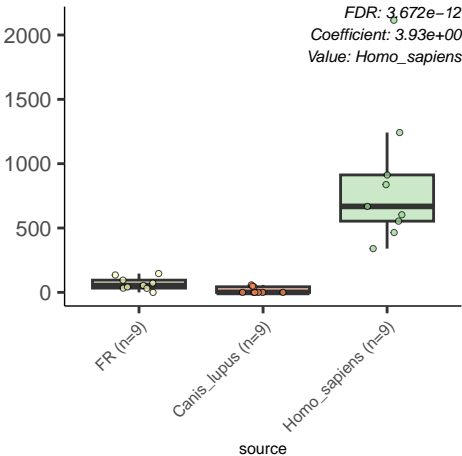


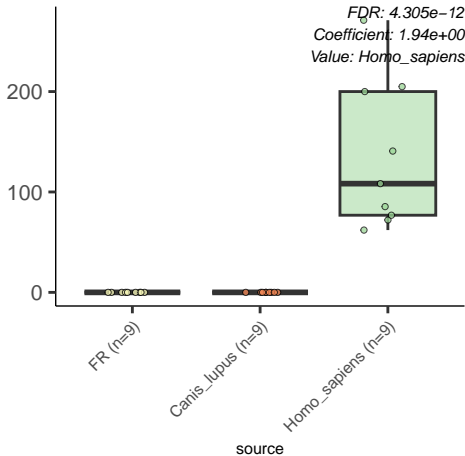


Bacteria.Firmicutes.Clostridia.Clostridiales.Hungateiclostridiaceae

FDR:  $2.962 \times 10^{-12}$   
Coefficient:  $-2.30 \times 10^0$   
Value: *Canis\_lupus*

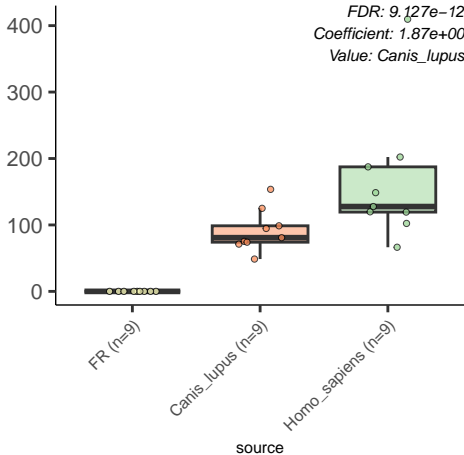


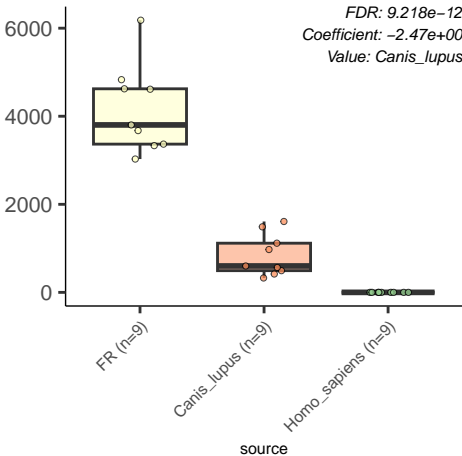




Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

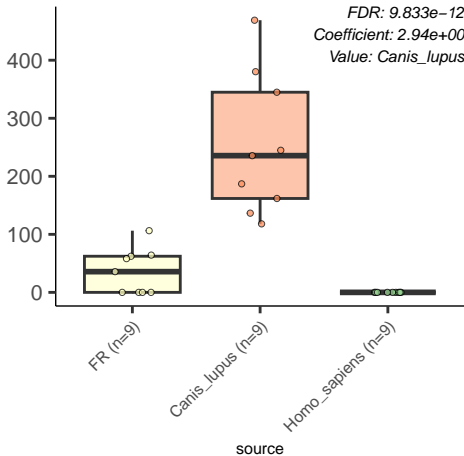
FDR:  $9.127e-12$   
Coefficient:  $1.87e+00$   
Value: *Canis\_lupus*





Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

FDR:  $9.833e-12$   
Coefficient:  $2.94e+00$   
Value: *Canis\_lupus*



FDR:  $1.011e-11$   
Coefficient:  $7.99e-01$   
Value: Homo\_sapiens

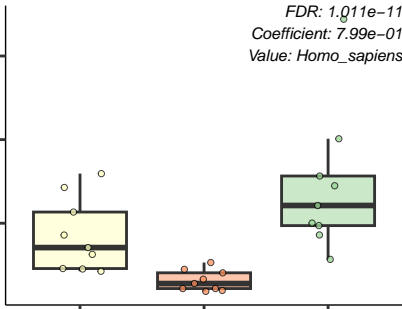
7500  
5000  
2500

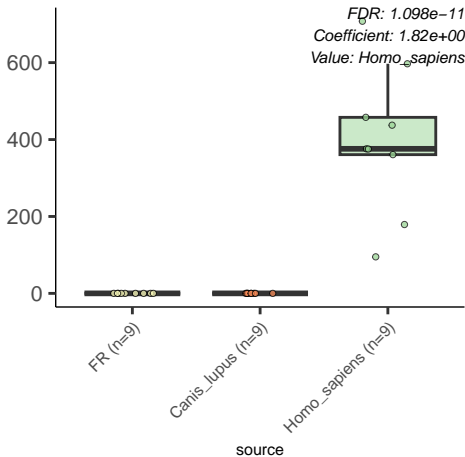
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source







Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.Saliv

FDR: 1.202e-11  
Coefficient: -1.61e+00  
Value: Canis\_lupus

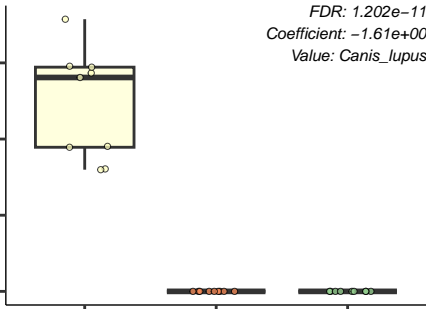
90  
60  
30  
0

FR (n=9)

Canis\_lupus (n=9)

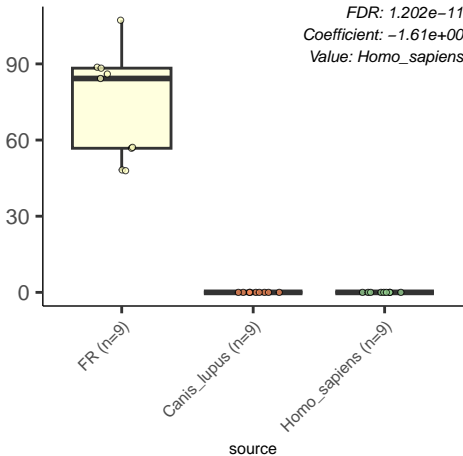
Homo\_sapiens (n=9)

source

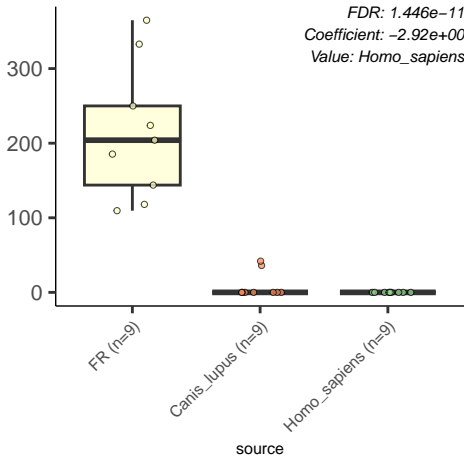


Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.Saliv

FDR:  $1.202e-11$   
Coefficient:  $-1.61e+00$   
Value: Homo\_sapiens



FDR:  $1.446e-11$   
Coefficient:  $-2.92e+00$   
Value: Homo\_sapiens



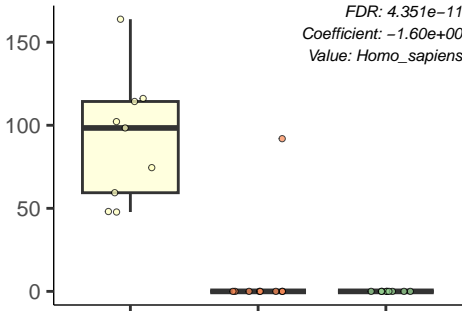
FDR:  $4.351e-11$   
Coefficient:  $-1.60e+00$   
Value: Homo\_sapiens

FR (n=9)

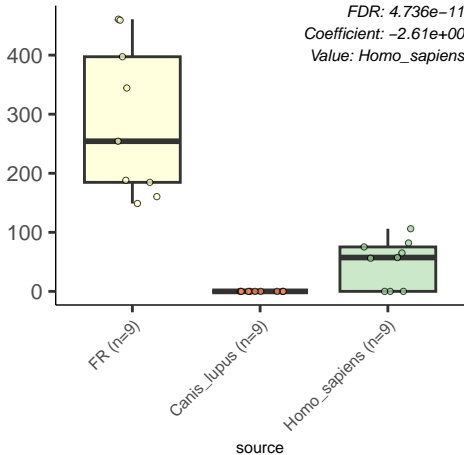
Canis\_lupus (n=9)

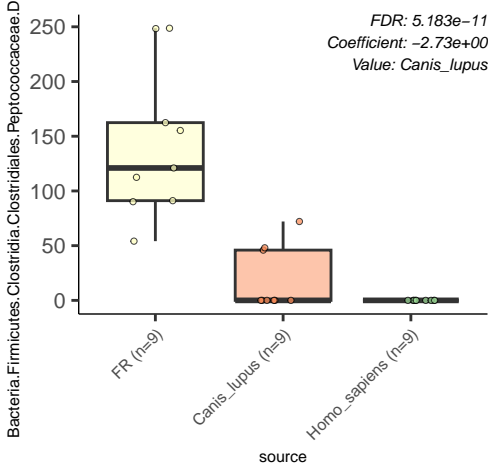
Homo\_sapiens (n=9)

source

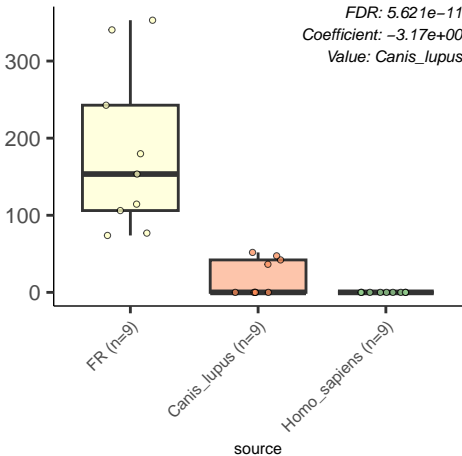


FDR:  $4.736e-11$   
Coefficient:  $-2.61e+00$   
Value: Homo\_sapiens

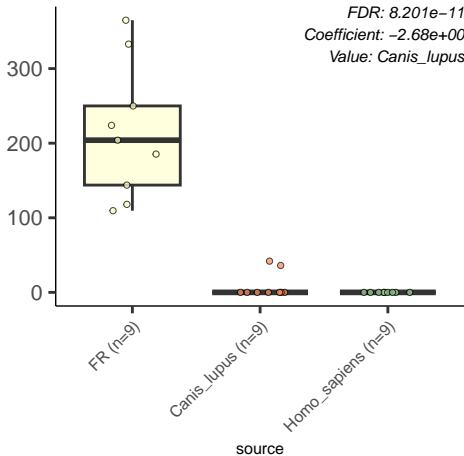




Bacteria.Firmicutes.Clostridia.Clostridiales.Eubacteriaceae.Fr



FDR:  $8.201e-11$   
Coefficient:  $-2.68e+00$   
Value: *Canis\_lupus*





Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

400  
300  
200  
100

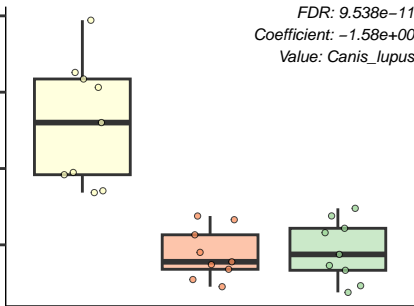
*FDR: 9.538e-11*  
*Coefficient: -1.58e+00*  
*Value: Canis\_lupus*

FR (n=9)

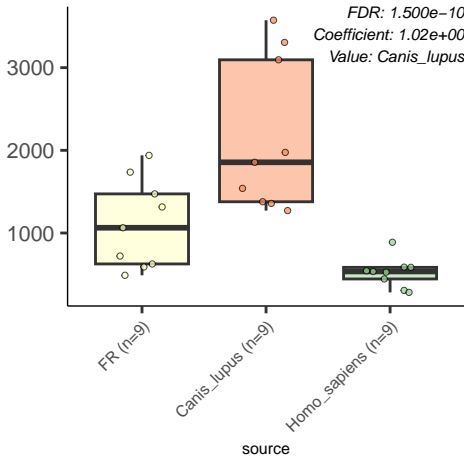
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



FDR: 1.500e-10  
Coefficient: 1.02e+00  
Value: Canis\_lupus



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

2000

1000

0

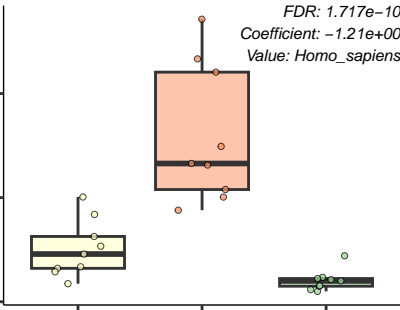
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source

FDR:  $1.717e-10$   
Coefficient:  $-1.21e+00$   
Value: Homo\_sapiens



Bacteria.Firmicutes.Clostridia.Clostridiales.unassigned.Nat

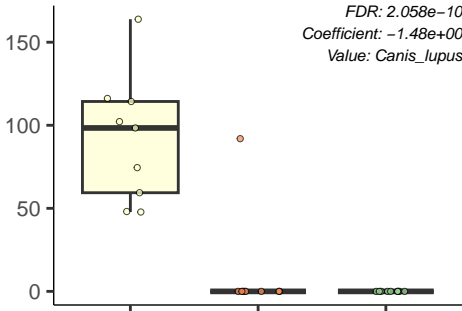
FDR:  $2.058e-10$   
Coefficient:  $-1.48e+00$   
Value: *Canis\_lupus*

FR (n=9)

*Canis\_lupus* (n=9)

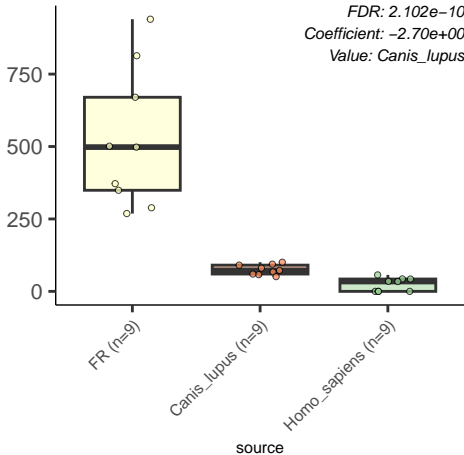
*Homo\_sapiens* (n=9)

source

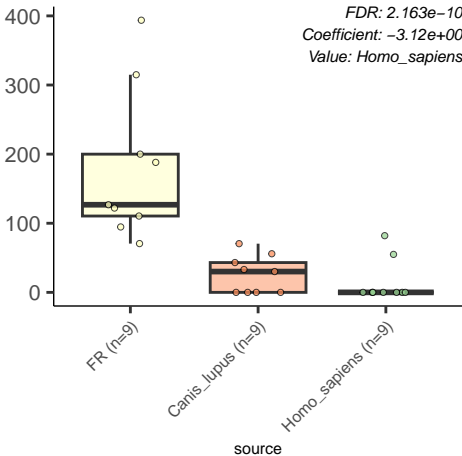


Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

FDR:  $2.102e-10$   
Coefficient:  $-2.70e+00$   
Value: *Canis\_lupus*



Bacteria.Firmicutes.Clostridia.Clostridiales.Hungateiclostridi



75000  
50000  
25000  
0

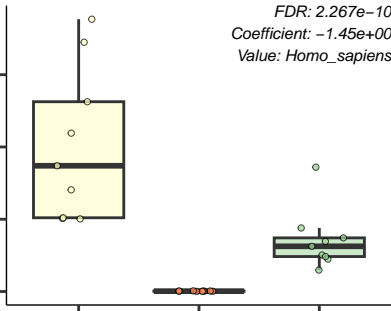
*FDR: 2.267e-10*  
*Coefficient: -1.45e+00*  
*Value: Homo\_sapiens*

FR (n=9)

Canis\_lupus (n=9)

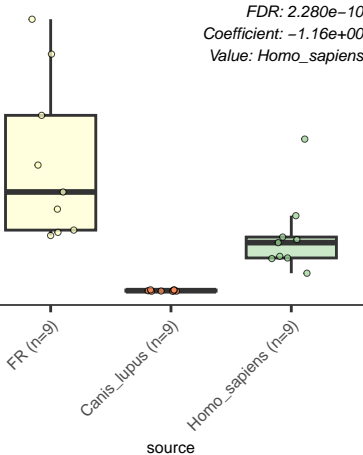
Homo\_sapiens (n=9)

source



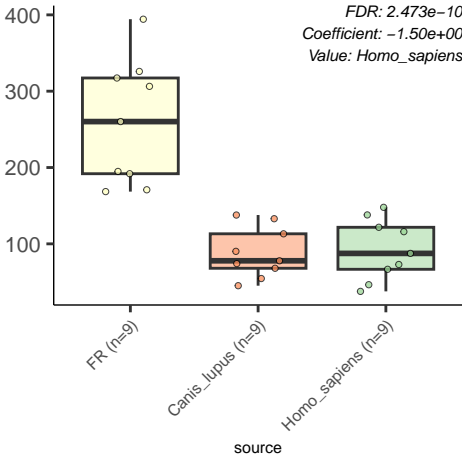
Bacteria.Firmicutes.Clostridia.Clostridiales.missing.Mor

*FDR: 2.280e-10*  
*Coefficient: -1.16e+00*  
*Value: Homo\_sapiens*

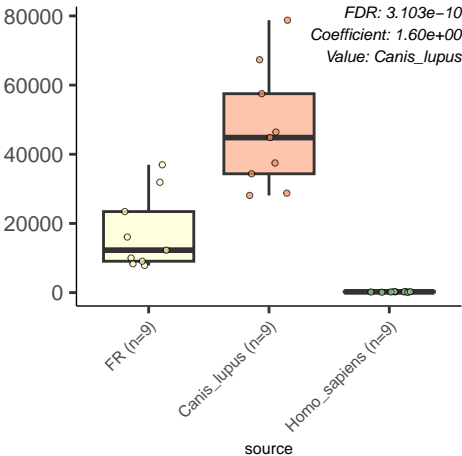




Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae



Bacteria.Firmicutes.Negativicutes.Selenomonadales



Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

6000  
4000  
2000  
0

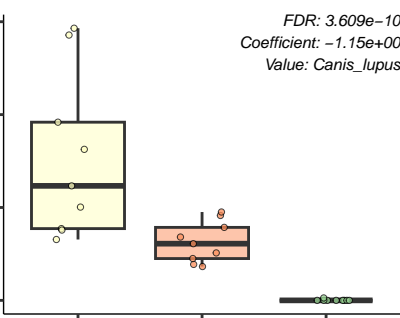
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source

FDR: 3.609e-10  
Coefficient: -1.15e+00  
Value: Canis\_lupus



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

30000  
20000  
10000

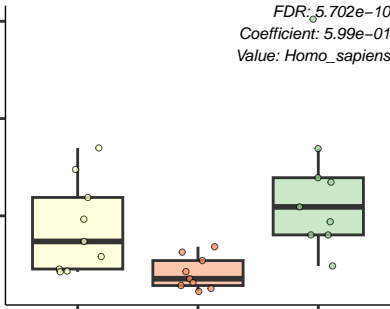
*FDR: 5.702e-10*  
*Coefficient: 5.99e-01*  
*Value: Homo\_sapiens*

FR (n=9)

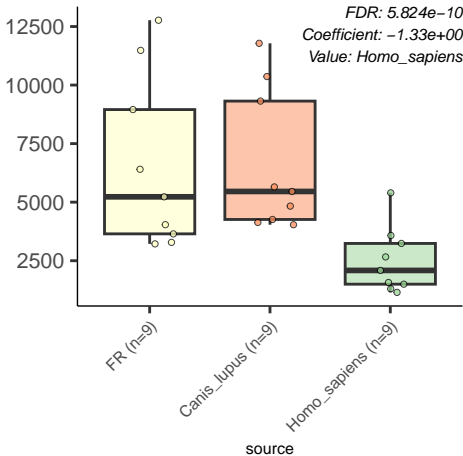
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

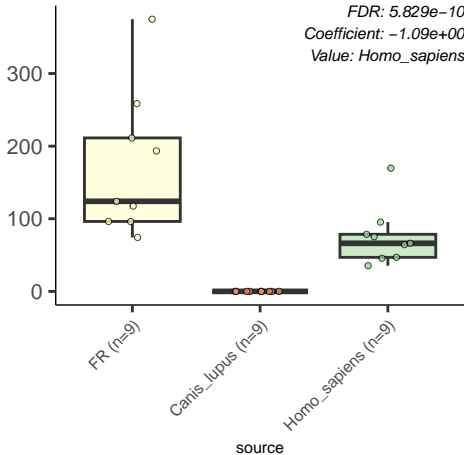
source

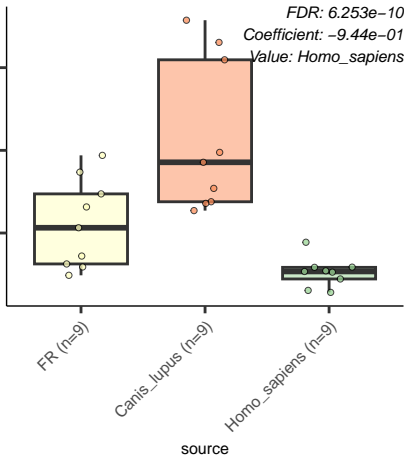


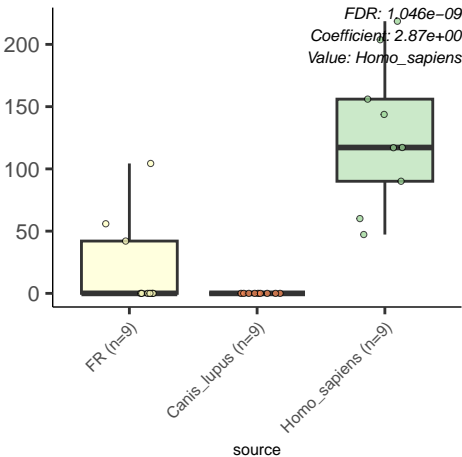
Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.



FDR:  $5.829e-10$   
Coefficient:  $-1.09e+00$   
Value: Homo\_sapiens









FDR: 1.143e-09  
Coefficient: 1.90e+00  
Value: Canis\_lupus

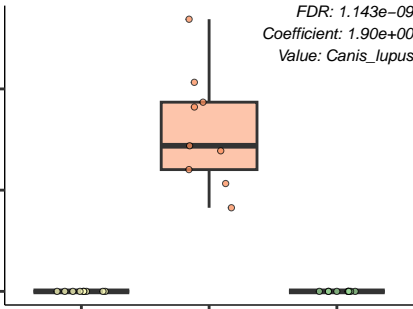
200  
100  
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



FDR:  $1.173e-09$   
Coefficient:  $2.16e+00$   
Value: *Canis\_lupus*

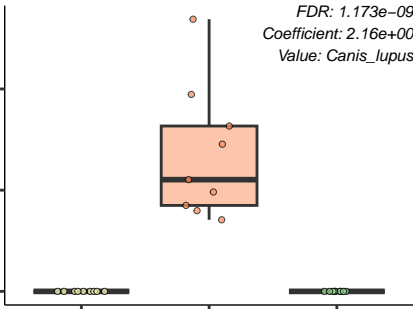
200  
100  
0

FR (n=9)

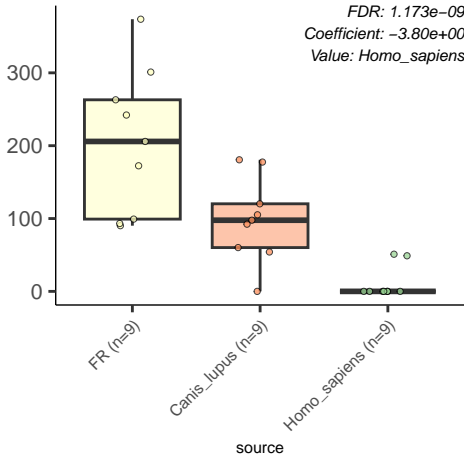
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



FDR:  $1.173\text{e-}09$   
Coefficient:  $-3.80\text{e}+00$   
Value: Homo\_sapiens



Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

150000  
100000  
50000  
0

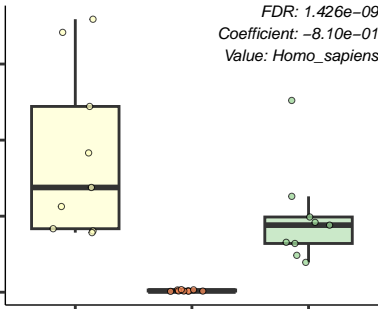
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

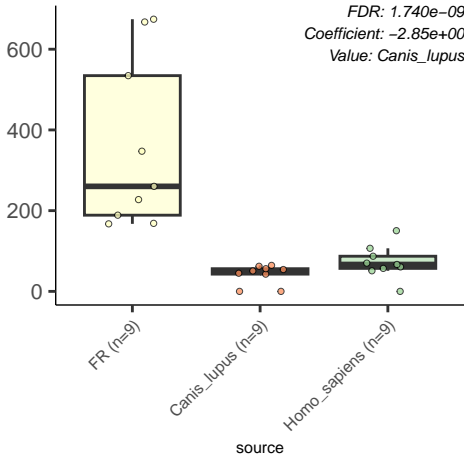
source

*FDR: 1.426e-09*  
*Coefficient: -8.10e-01*  
*Value: Homo\_sapiens*

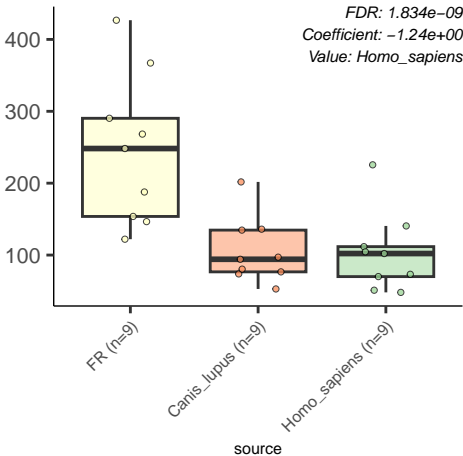


Bacteria.Firmicutes.Clostridia.Clostridiales.unassigned.Ma

FDR: 1.740e-09  
Coefficient: -2.85e+00  
Value: Canis\_lupus

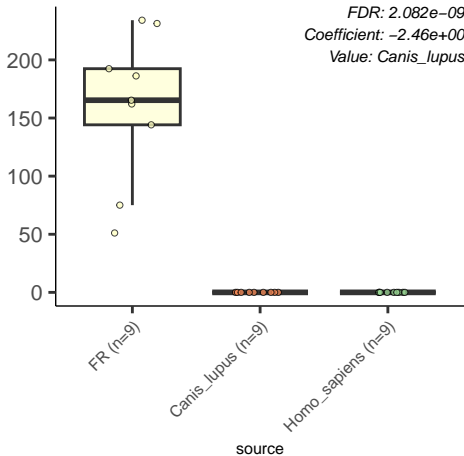


Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae.

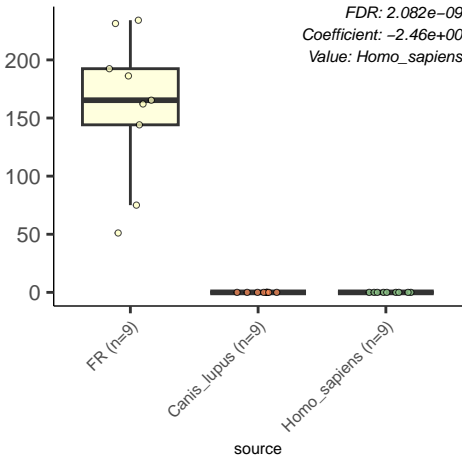


Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Prevotellaceae

FDR:  $2.082 \times 10^{-9}$   
Coefficient:  $-2.46 \times 10^0$   
Value: *Canis\_lupus*

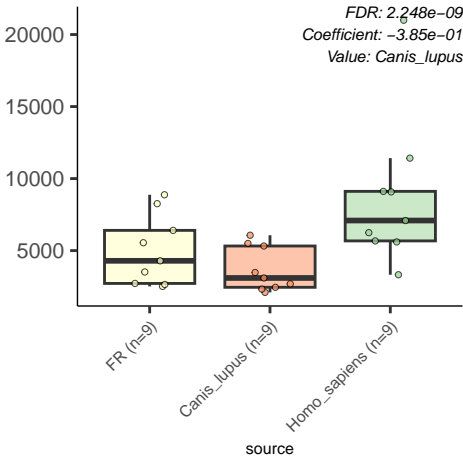


Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Prevotellaceae

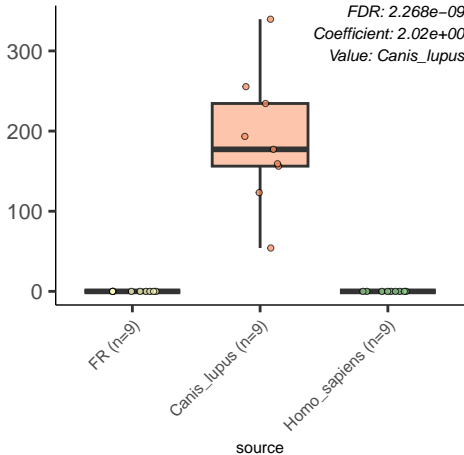




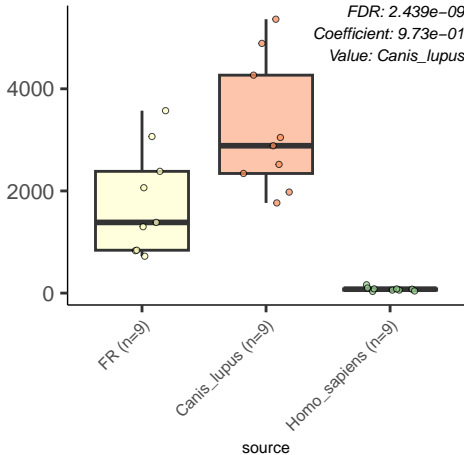
Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae

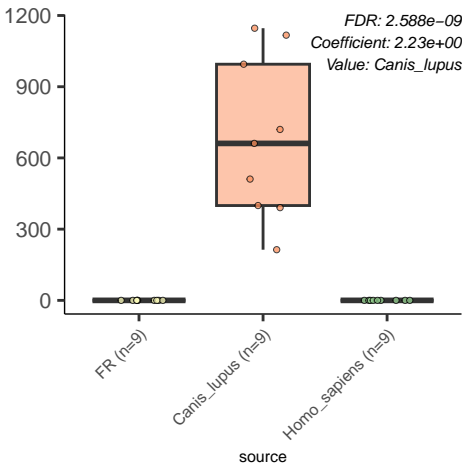


FDR: 2.268e-09  
Coefficient: 2.02e+00  
Value: Canis\_lupus

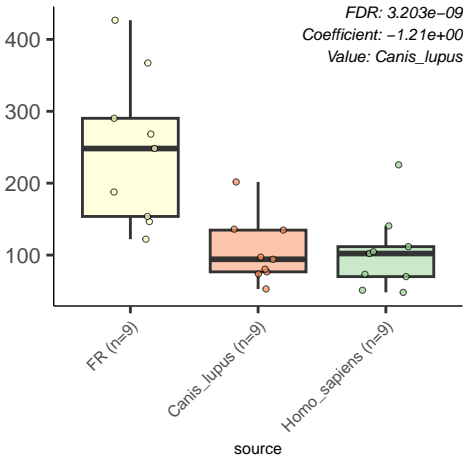


FDR: 2.439e-09  
Coefficient: 9.73e-01  
Value: Canis\_lupus





Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae.



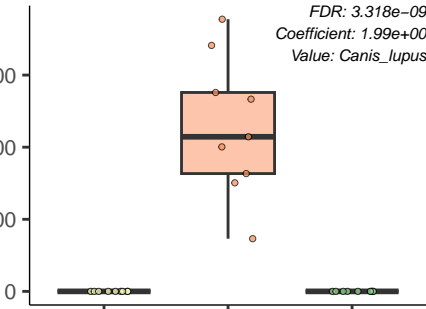
FDR: 3.318e-09  
Coefficient: 1.99e+00  
Value: Canis\_lupus

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae

200  
150  
100  
50  
0

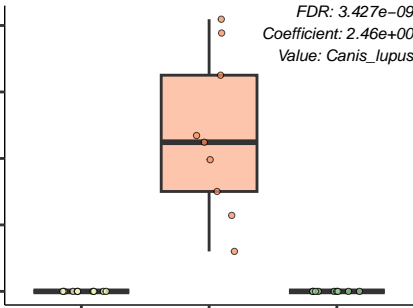
*FDR: 3.427e-09*  
*Coefficient: 2.46e+00*  
*Value: Canis\_lupus*

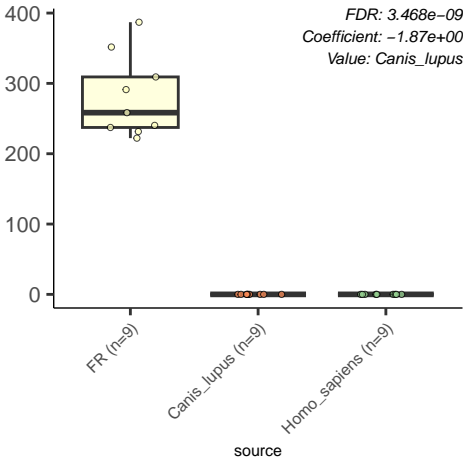
FR (n=9)

Canis\_lupus (n=9)

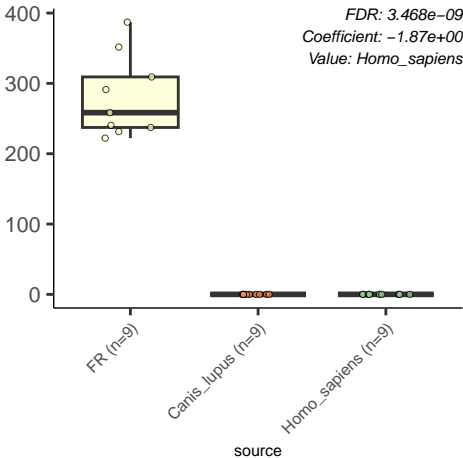
Homo\_sapiens (n=9)

source

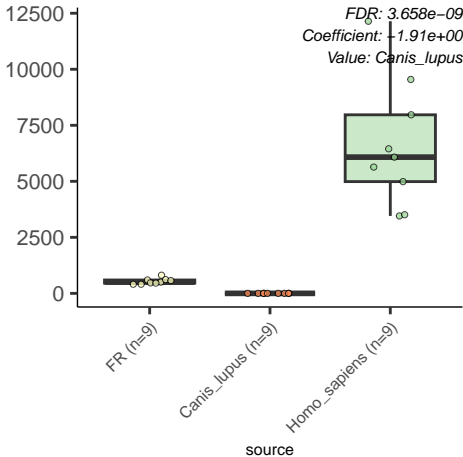


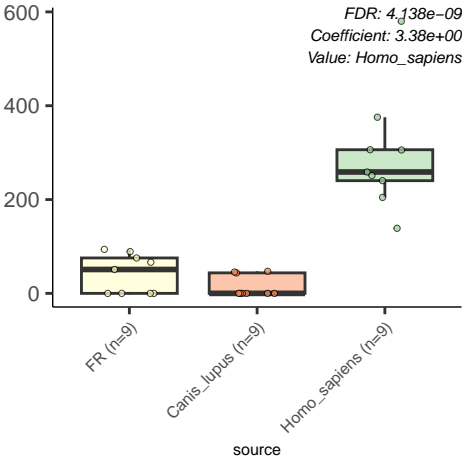






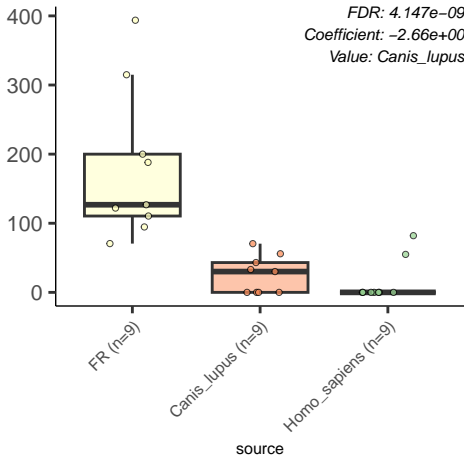
Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Barnesiellac





Bacteria.Firmicutes.Clostridia.Clostridiales.Hungateiclostridi

FDR: 4.147e-09  
Coefficient: -2.66e+00  
Value: Canis\_lupus



Bacteria.Firmicutes.Clostridia.Clostridiales.Hungateiclostridia

400  
300  
200  
100  
0

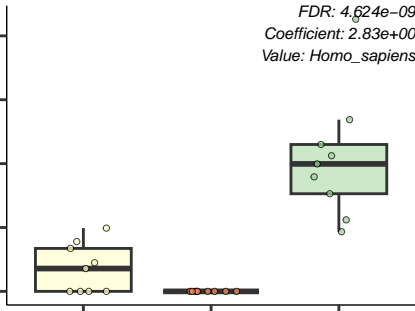
*FDR: 4.624e-09*  
*Coefficient: 2.83e+00*  
*Value: Homo\_sapiens*

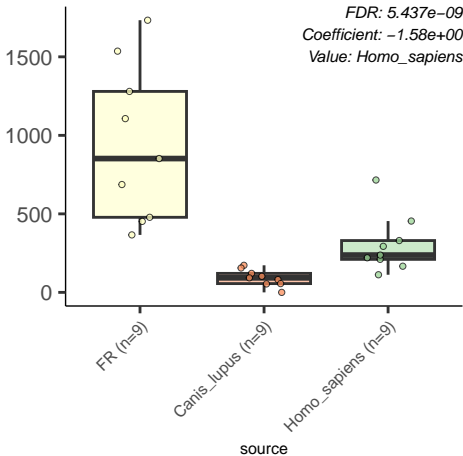
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

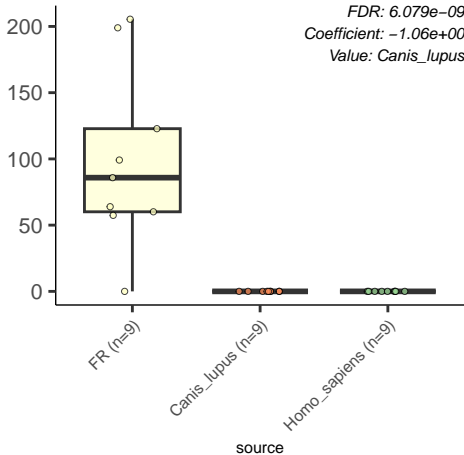
source



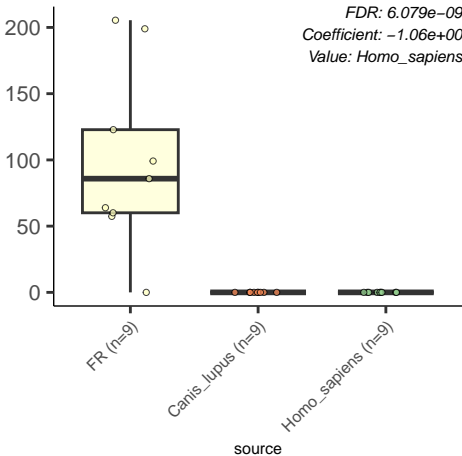


Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae

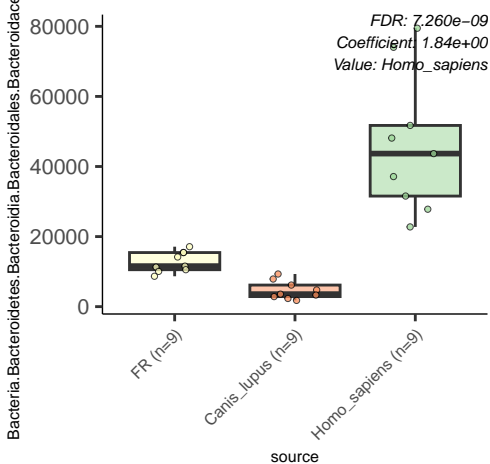
FDR: 6.079e-09  
Coefficient: -1.06e+00  
Value: Canis\_lupus



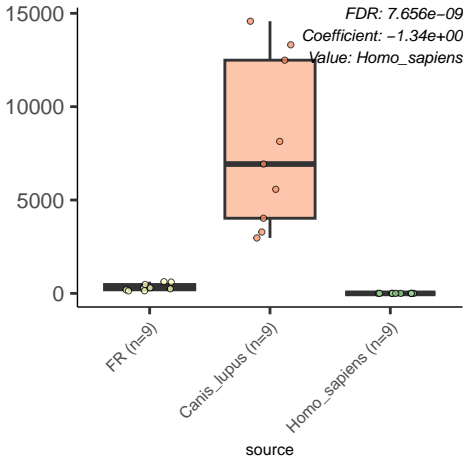
Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae





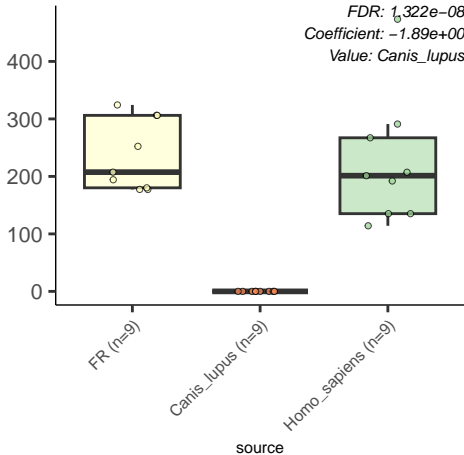


Bacteria.Firmicutes.Clostridia.Clostridiales.Peptococcaceae

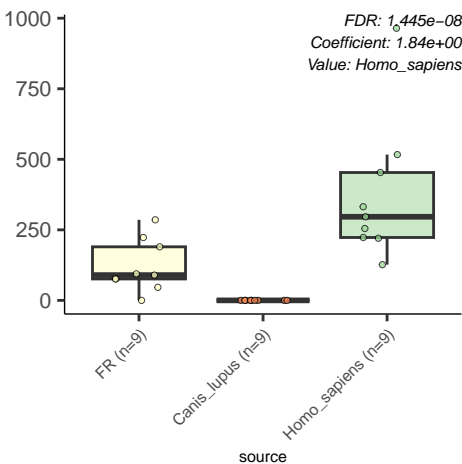


Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Odoribacteraceae

FDR:  $1.322e-08$   
Coefficient:  $-1.89e+00$   
Value: *Canis\_lupus*



Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae



Bacteria.Firmicutes.Negativicutes.Veillonellales.Veillonellaceae

FDR: 1.650e-08  
Coefficient: 1.16e+00  
Value: Canis\_lupus

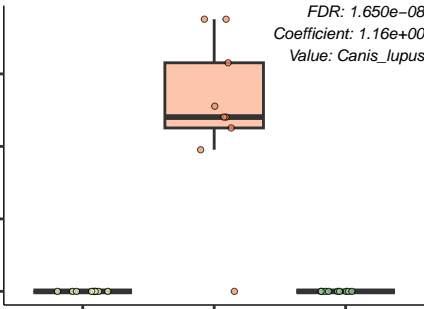
60  
40  
20  
0

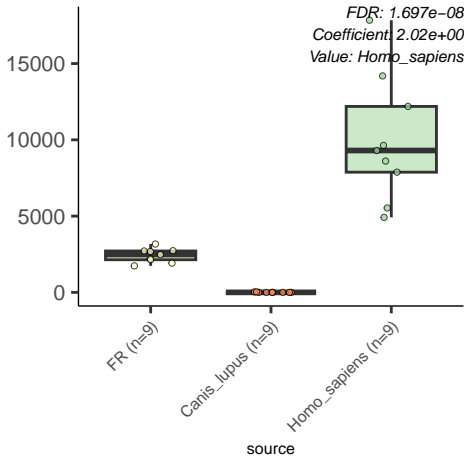
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

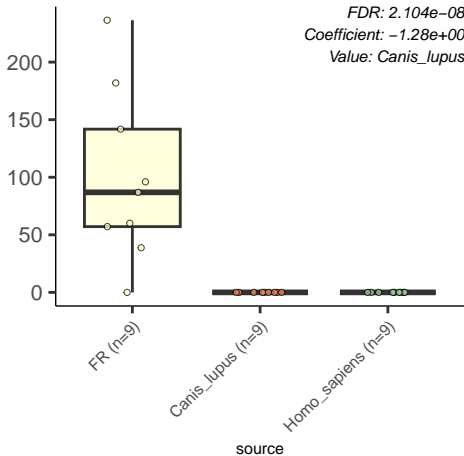
source



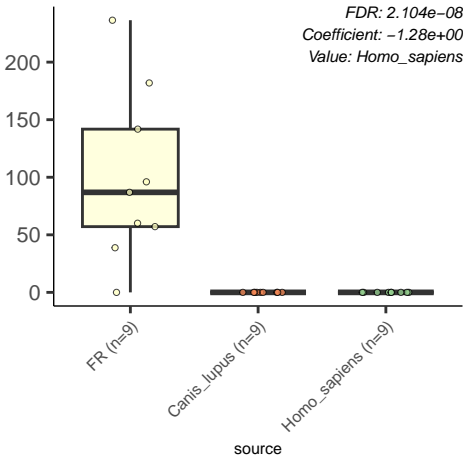


Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.Cal

*FDR: 2.104e-08*  
*Coefficient: -1.28e+00*  
*Value: Canis\_lupus*



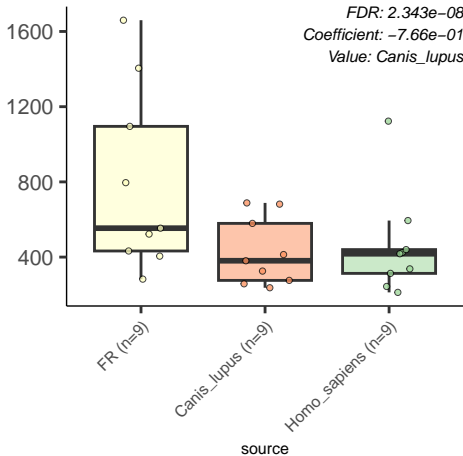
Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.Cal

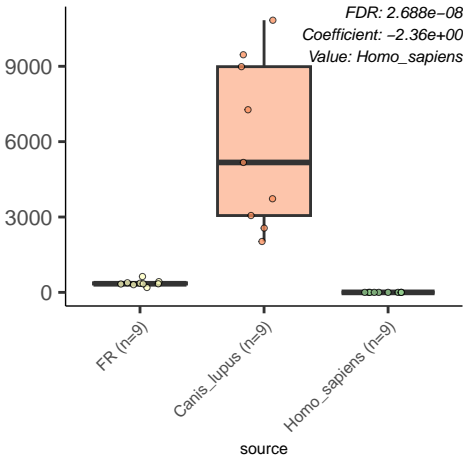


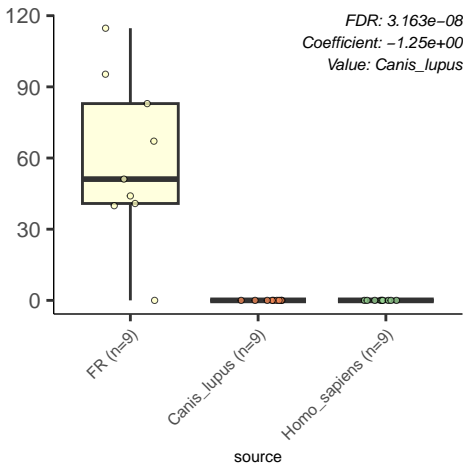


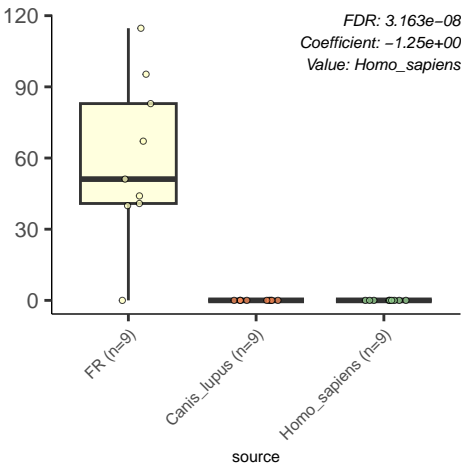
Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

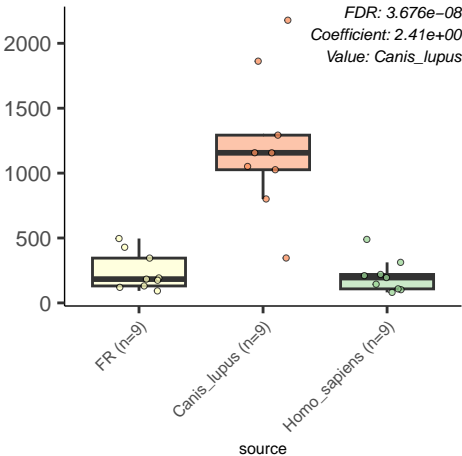
FDR: 2.343e-08  
Coefficient: -7.66e-01  
Value: Canis\_lupus



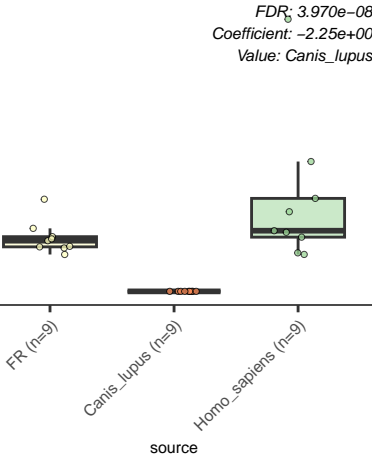








FDR:  $3.970e-08$   
Coefficient:  $-2.25e+00$   
Value: *Canis\_lupus*



Bacteria.Firmicutes.Clostridia.Clostridiales.unassigned.u

3000  
2000  
1000

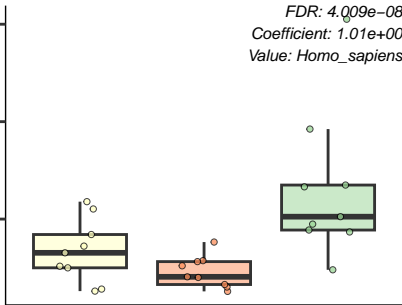
*FDR: 4.009e-08*  
*Coefficient: 1.01e+00*  
*Value: Homo\_sapiens*

FR (n=9)

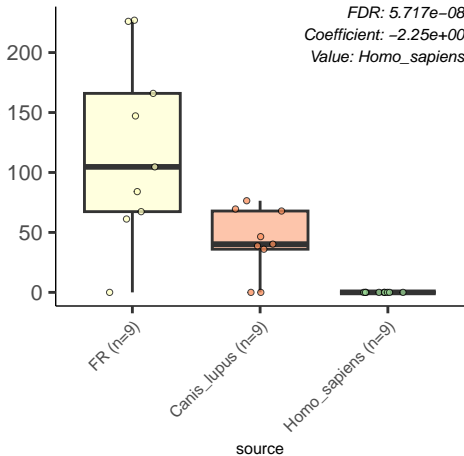
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source

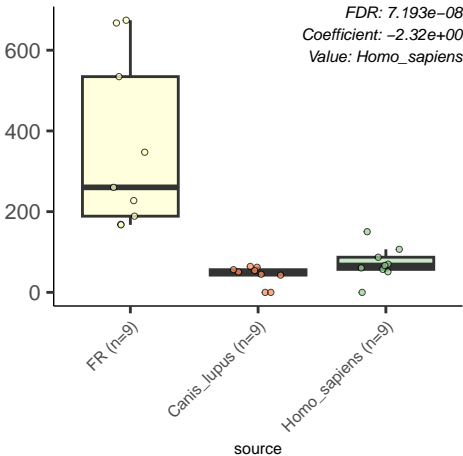


FDR:  $5.717e-08$   
Coefficient:  $-2.25e+00$   
Value: Homo\_sapiens

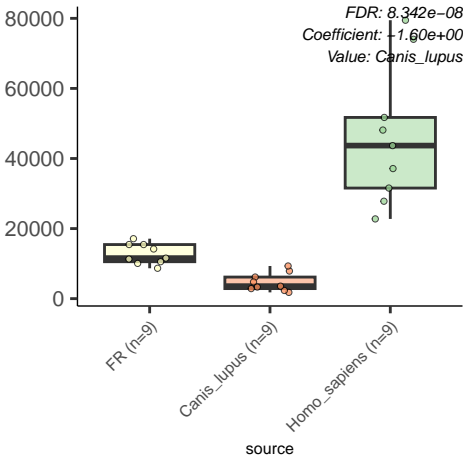




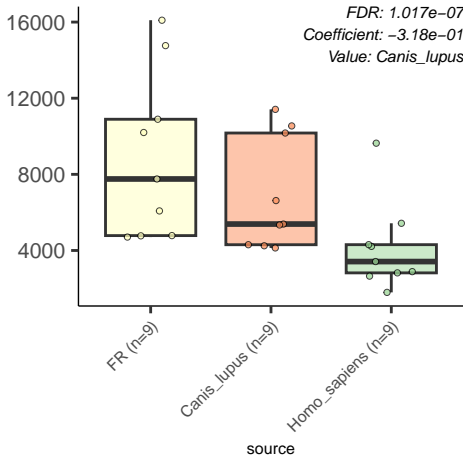
Bacteria.Firmicutes.Clostridia.Clostridiales.unassigned.Ma

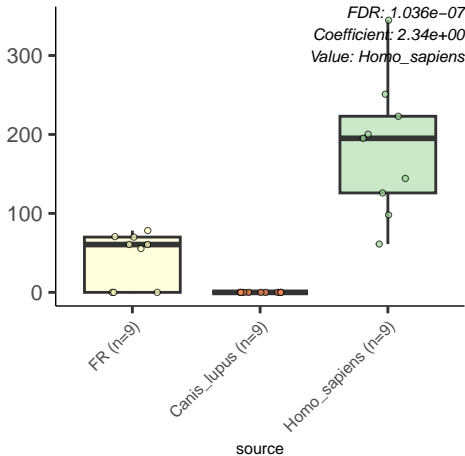


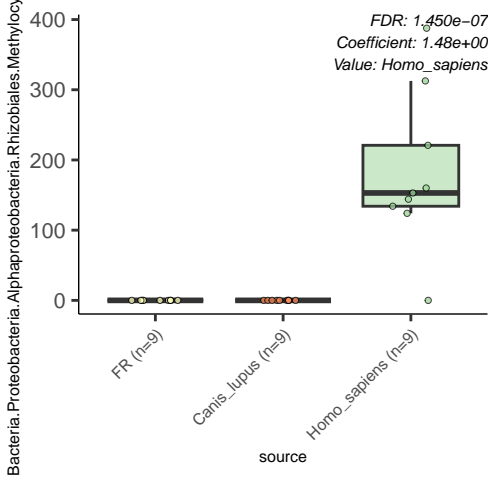
Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Bacteroidaceae



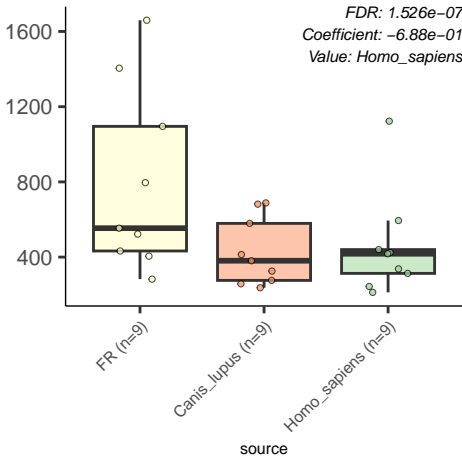
FDR:  $1.017e-07$   
Coefficient:  $-3.18e-01$   
Value: *Canis\_lupus*



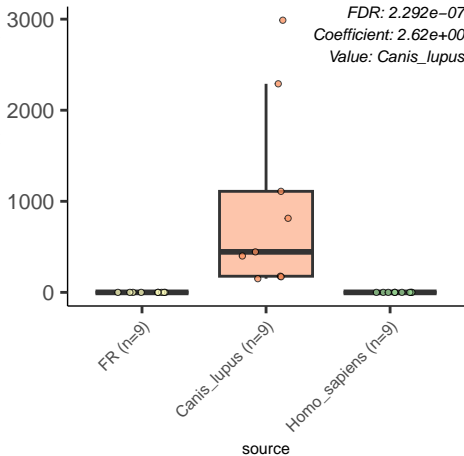


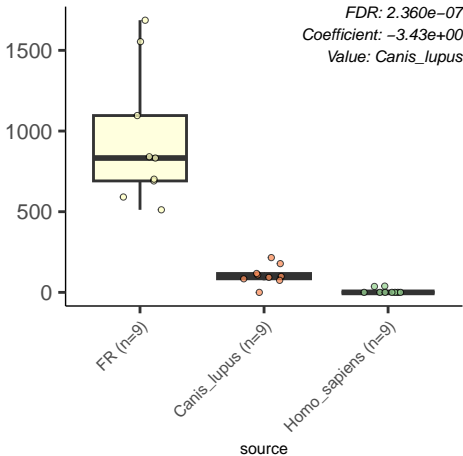


Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae



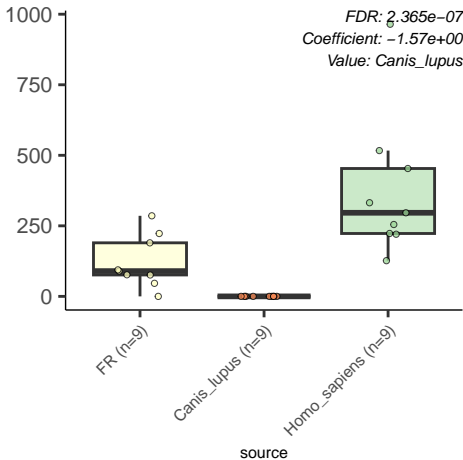
FDR: 2.292e-07  
Coefficient: 2.62e+00  
Value: Canis\_lupus

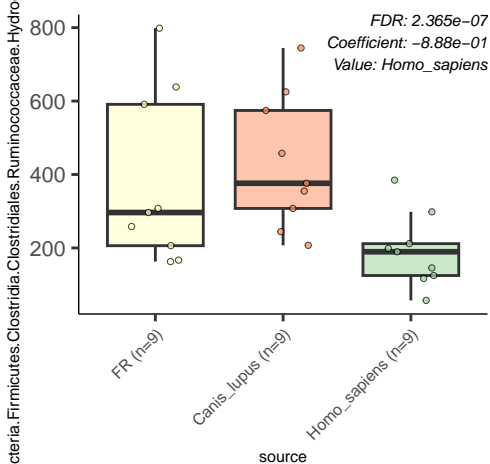






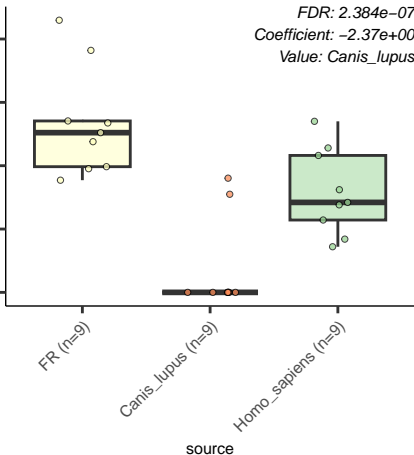
Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

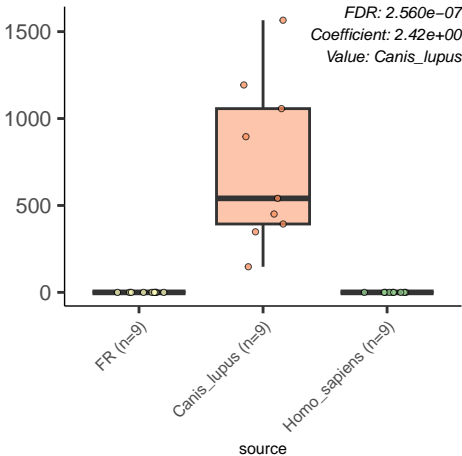




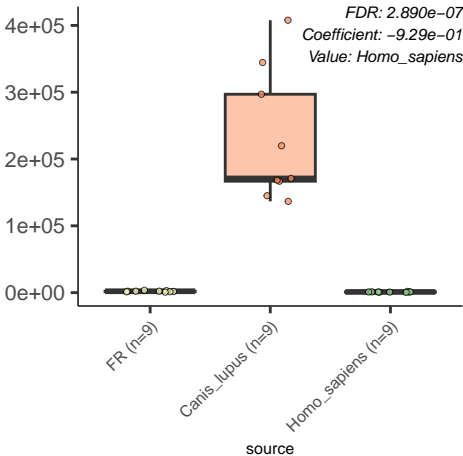
Bacteria.Actinobacteria.Coriobacteriia.Eggerthellales.Eggerthella

FDR:  $2.384e-07$   
Coefficient:  $-2.37e+00$   
Value: *Canis\_lupus*

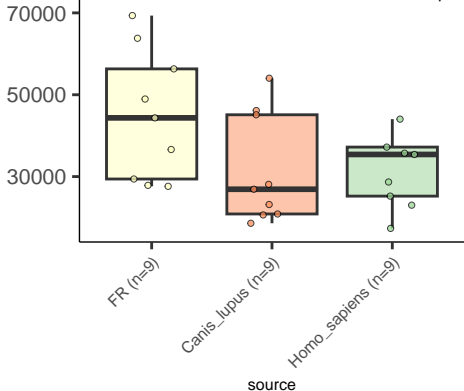


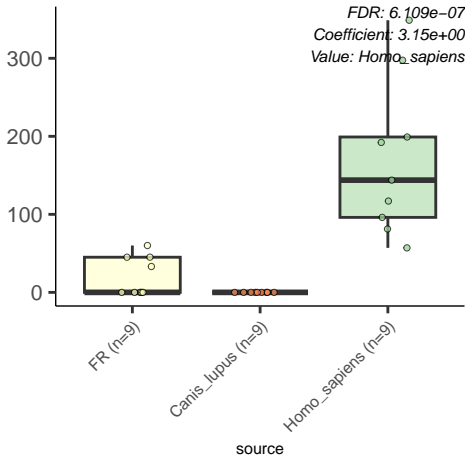


Bacteria.Firmicutes.Bacilli.Lactobacillales.Streptococcaceae.

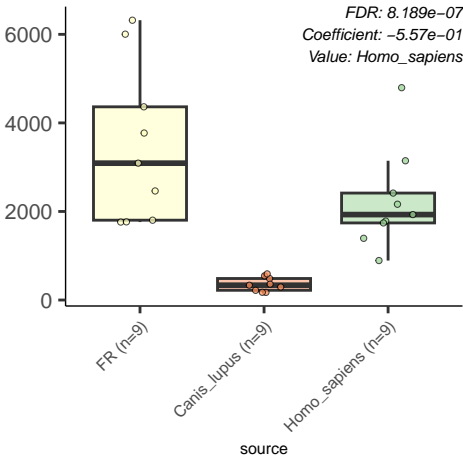


FDR:  $5.368e-07$   
 Coefficient:  $-5.30e-01$   
 Value: *Canis\_lupus*



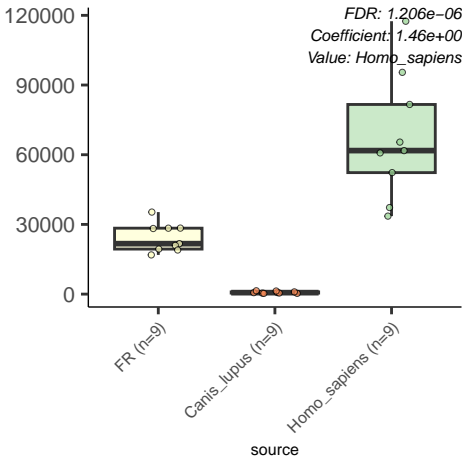


Bacteria.Firmicutes.Clostridia.Clostridiales.unassigned.F

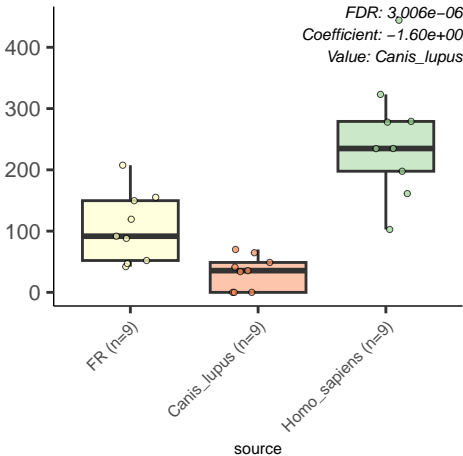




Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.missing.

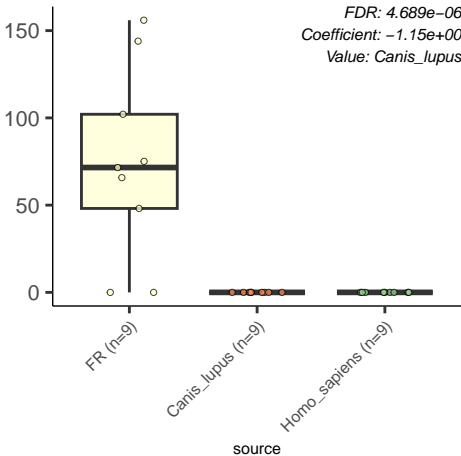


Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.L

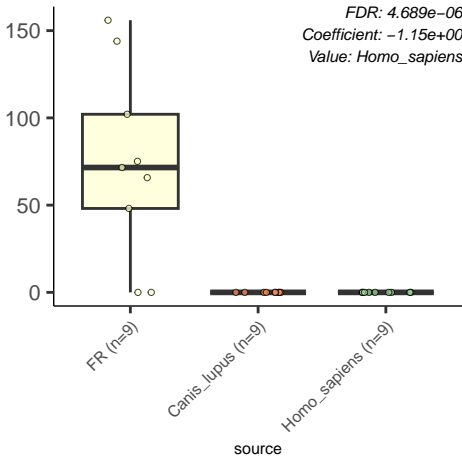


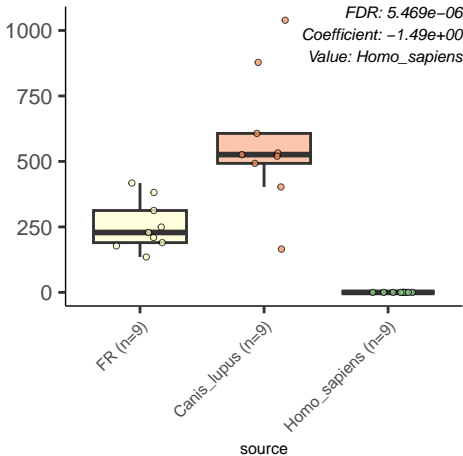
Bacteria.Firmicutes.unassigned.unassigned.Hy

FDR: 4.689e-06  
Coefficient: -1.15e+00  
Value: Canis\_lupus

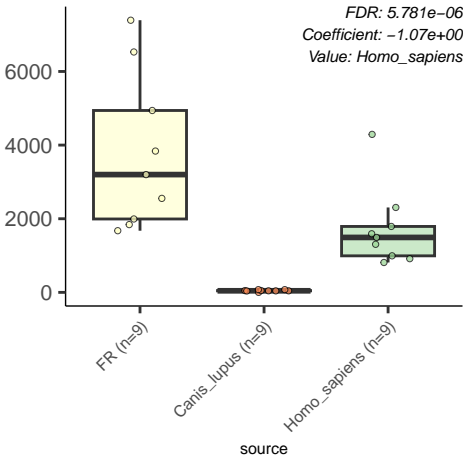


Bacteria.Firmicutes.unassigned.unassigned.Hy





Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae.C



Bacteria.Lentisphaerae.Lentisphaeria.Victivallales.Victivallaceae

FDR: 5.781e-06  
Coefficient: -1.09e+00  
Value: Canis\_lupus

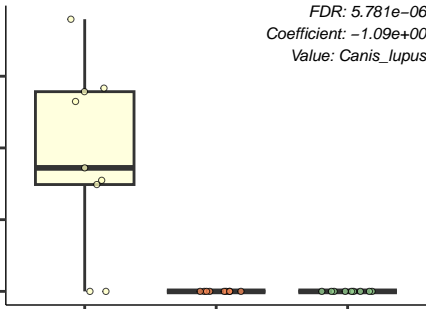
75  
50  
25  
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



Bacteria.Lentisphaerae.Lentisphaeria.Victivallales.Victivallales

FDR: 5.781e-06  
Coefficient: -1.09e+00  
Value: Homo\_sapiens

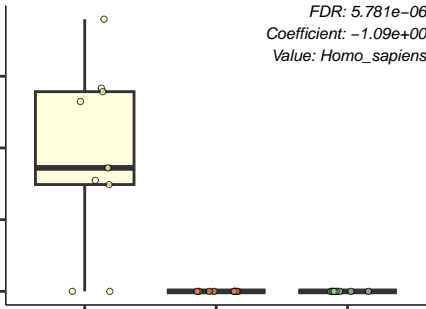
75  
50  
25  
0

FR (n=9)

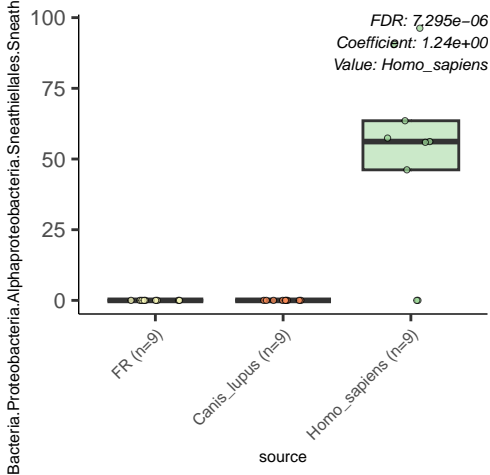
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source







Bacteria.Firmicutes.Clostridia.Clostridiales.Hungateiclostridiaceae

200  
150  
100  
50  
0

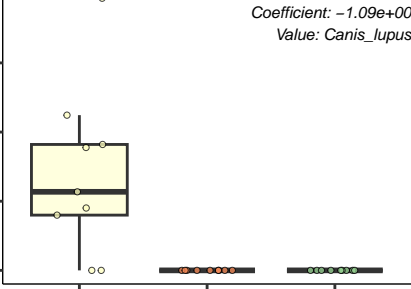
FDR: 7.342e-06  
Coefficient: -1.09e+00  
Value: Canis\_lupus

FR (n=9)

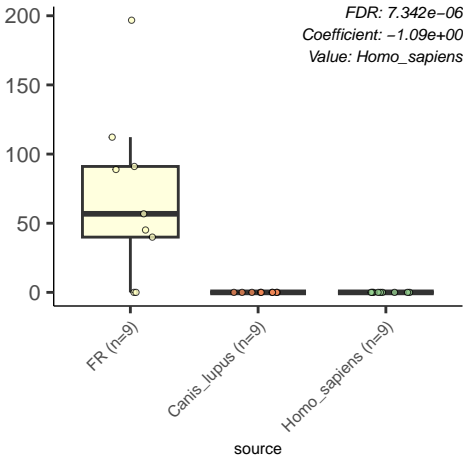
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source

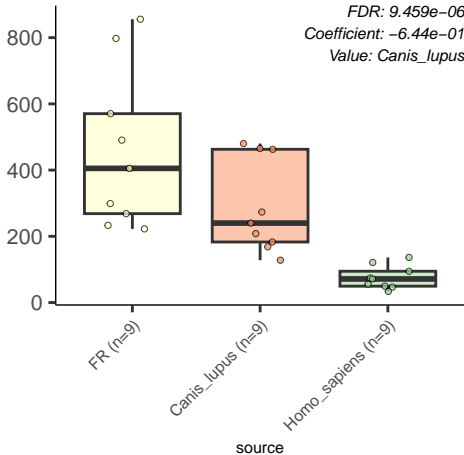


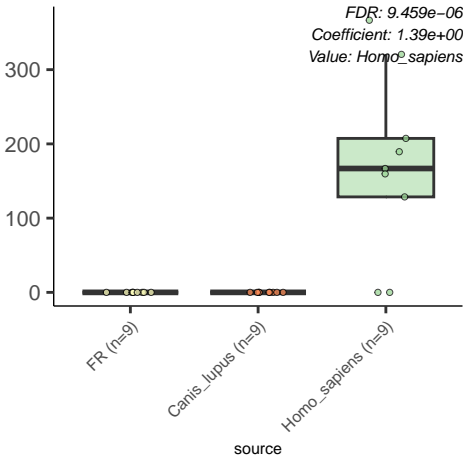
Bacteria.Firmicutes.Clostridia.Clostridiales.Hungateiclostridiaceae

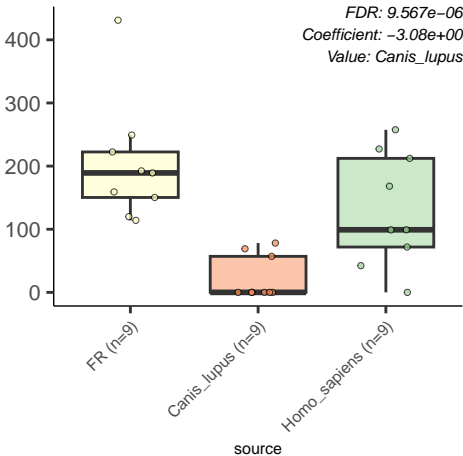


Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

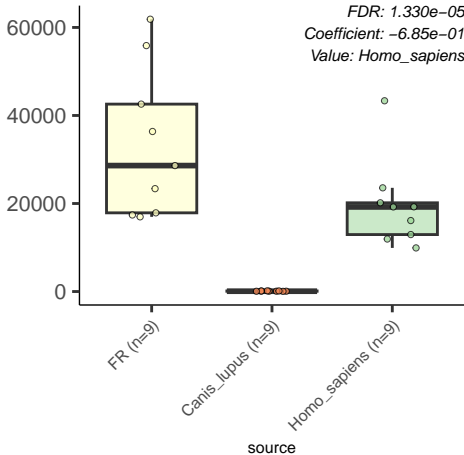
FDR:  $9.459e-06$   
Coefficient:  $-6.44e-01$   
Value: *Canis\_lupus*







FDR: 1.330e-05  
Coefficient: -6.85e-01  
Value: Homo\_sapiens



Bacteria.Synergistetes.Synergistia.Synergistales.Synergistaceae

FDR:  $1.460e-05$   
Coefficient:  $-1.43e+00$   
Value: *Canis\_lupus*

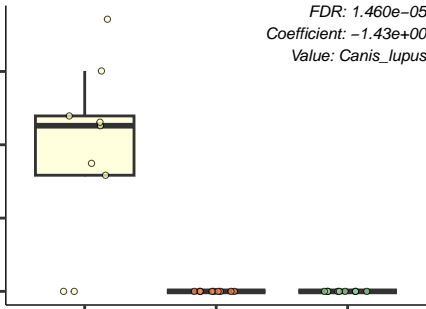
60  
40  
20  
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source





FDR:  $1.460e-05$   
Coefficient:  $-1.43e+00$   
Value: Homo\_sapiens

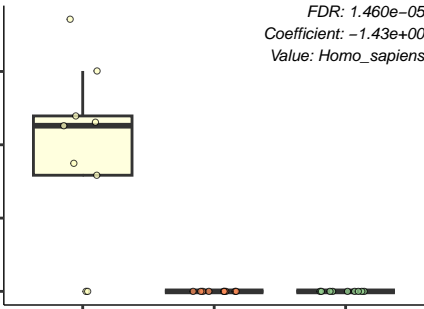
60  
40  
20  
0

FR (n=9)

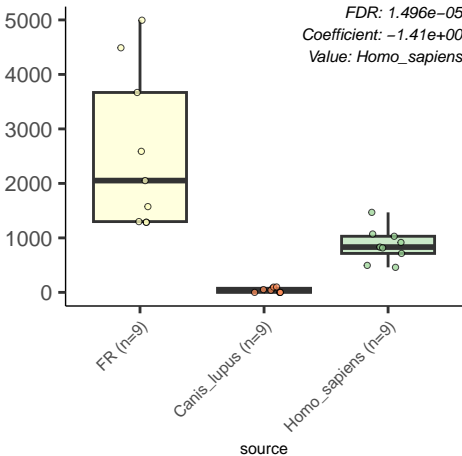
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

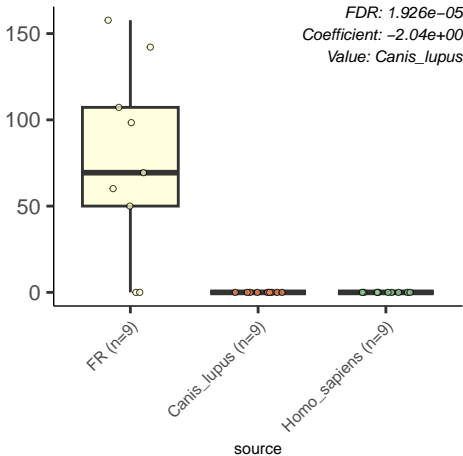
source



Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Odoribacter



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

150  
100  
50  
0

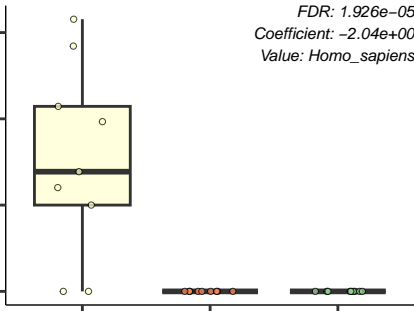
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

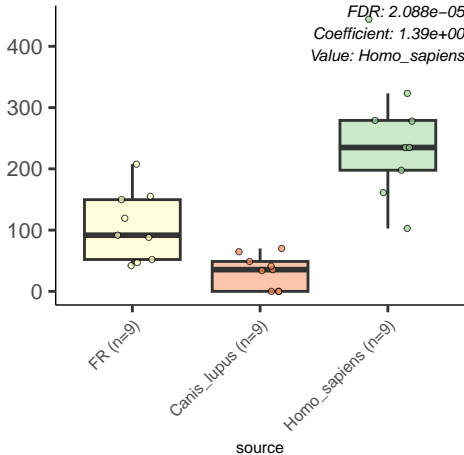
source

FDR:  $1.926e-05$   
Coefficient:  $-2.04e+00$   
Value: Homo\_sapiens

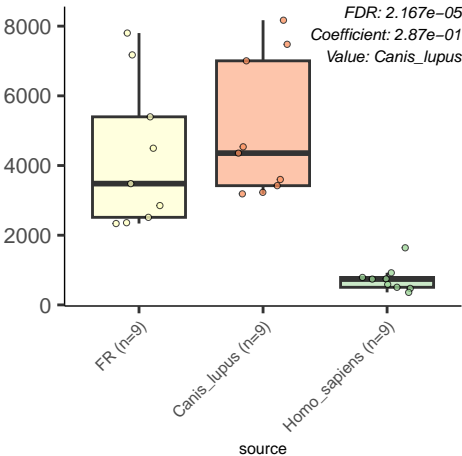


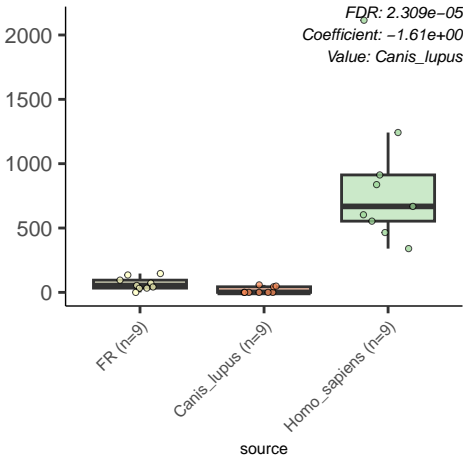
Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.L

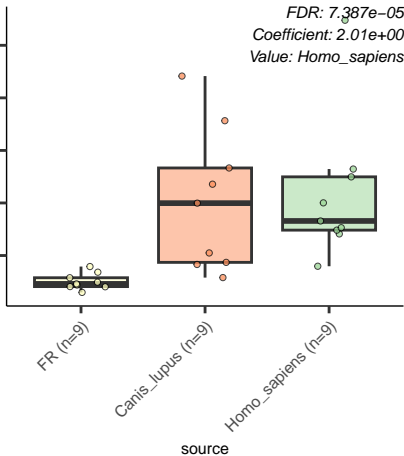
*FDR: 2.088e-05*  
*Coefficient: 1.39e+00*  
*Value: Homo\_sapiens*



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae.



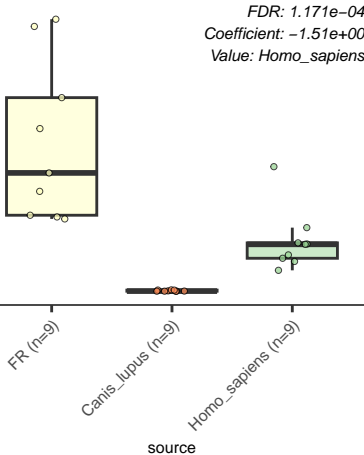




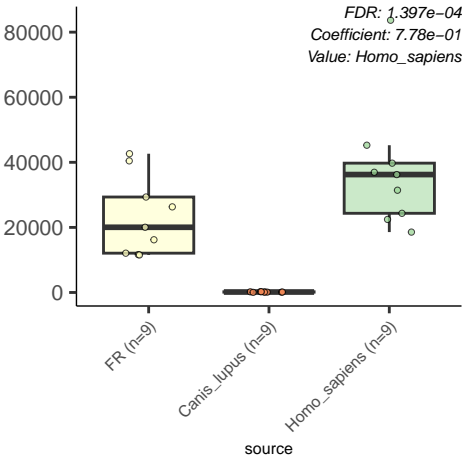


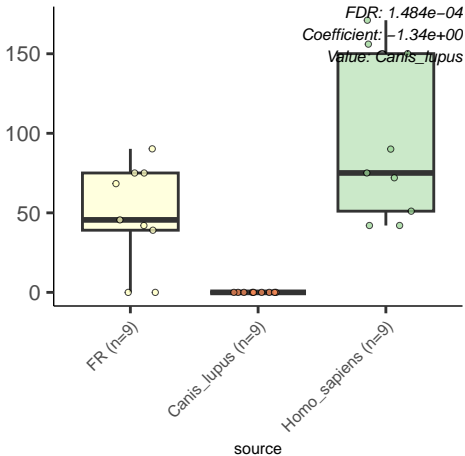
Bacteria.Firmicutes.Clostridia.Clostridiales.Eubacteriaceae.

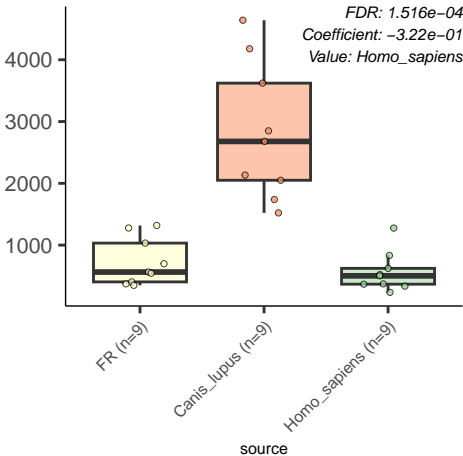
FDR:  $1.171\text{e-}04$   
Coefficient:  $-1.51\text{e}+00$   
Value: Homo\_sapiens



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospirac







Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

FDR: 1.557e-04  
Coefficient: 8.20e-01  
Value: Canis\_lupus

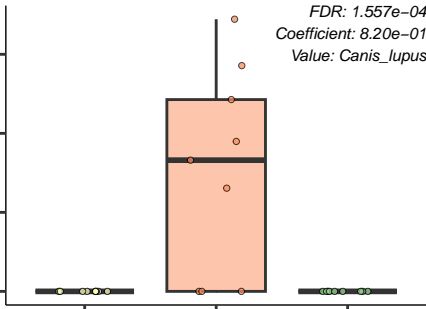
75  
50  
25  
0

FR (n=9)

Canis\_lupus (n=9)

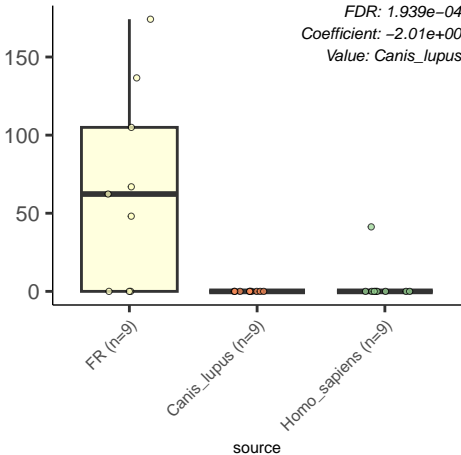
Homo\_sapiens (n=9)

source



Bacteria.Firmicutes.Tissierelliales.Tissierellia.Gottschalkiaceae

FDR: 1.939e-04  
Coefficient: -2.01e+00  
Value: Canis\_lupus



Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.Ge

FDR: 2.006e-04  
Coefficient: -1.01e+00  
Value: Canis\_lupus

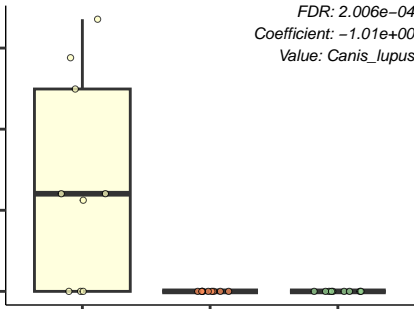
150  
100  
50  
0

FR (n=9)

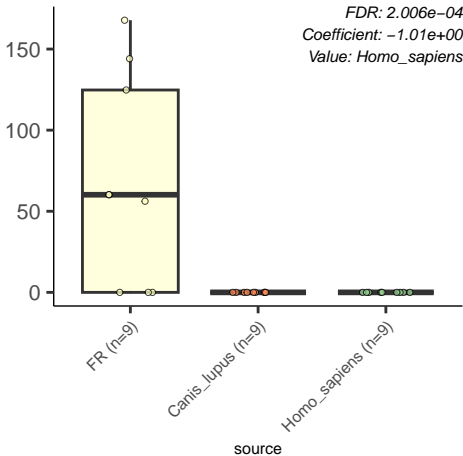
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source

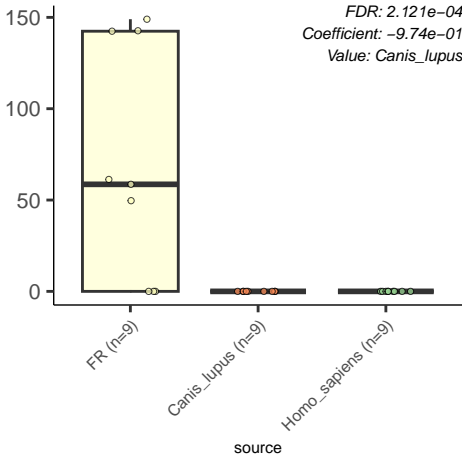


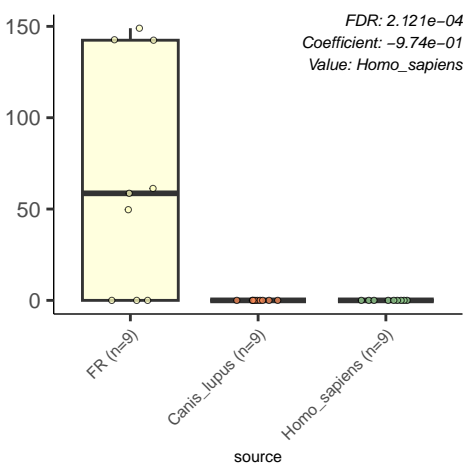
Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.Ge



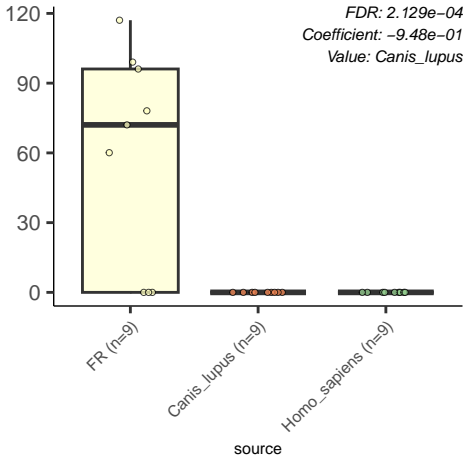


FDR: 2.121e-04  
Coefficient: -9.74e-01  
Value: Canis\_lupus

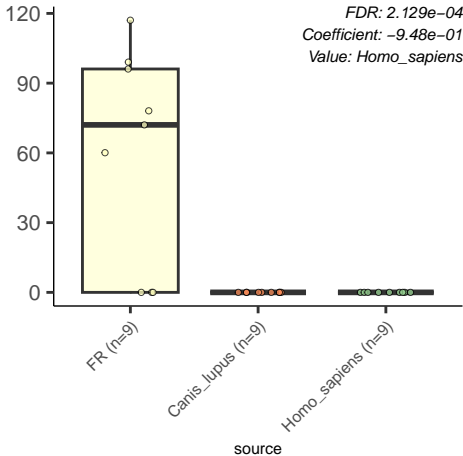


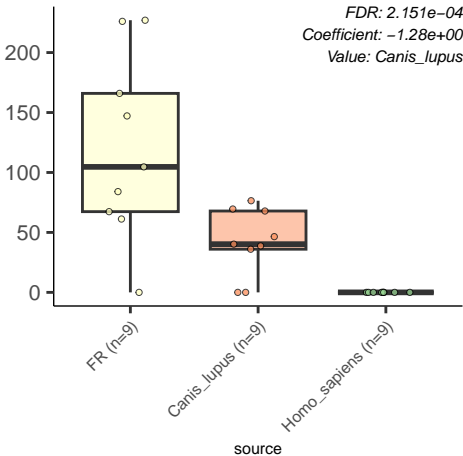


Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizob



Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales, Rhizob





Bacteria.Firmicutes.Clostridia.Clostridiales.Caldicoproba

75  
50  
25  
0

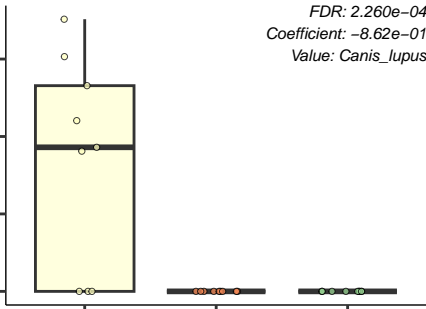
FDR: 2.260e-04  
Coefficient: -8.62e-01  
Value: Canis\_lupus

FR (n=9)

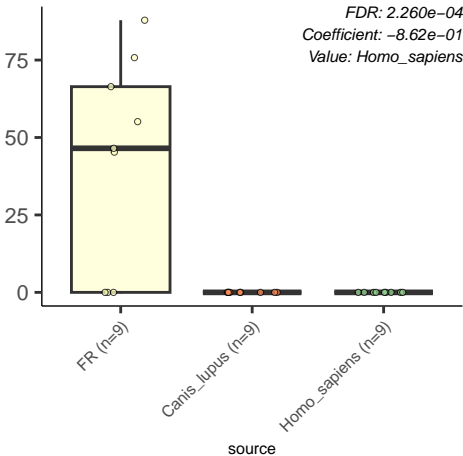
Canis\_lupus (n=9)

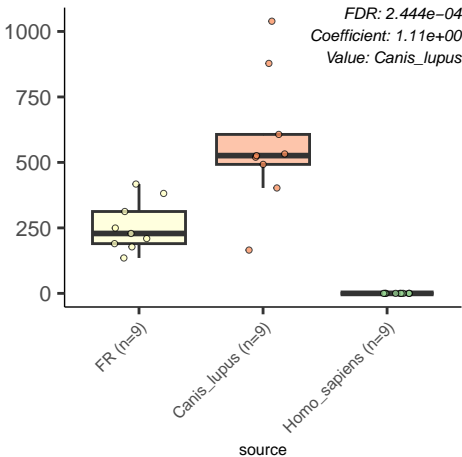
Homo\_sapiens (n=9)

source



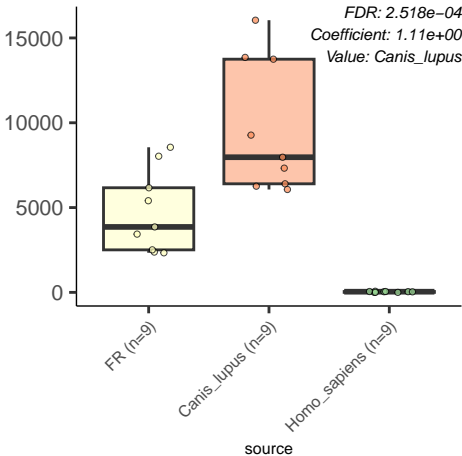
Bacteria.Firmicutes.Clostridia.Clostridiales.Caldicoproba

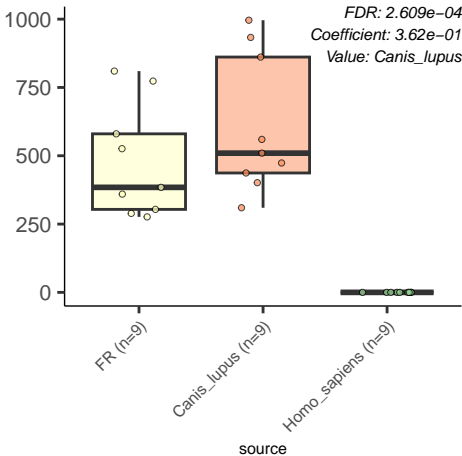




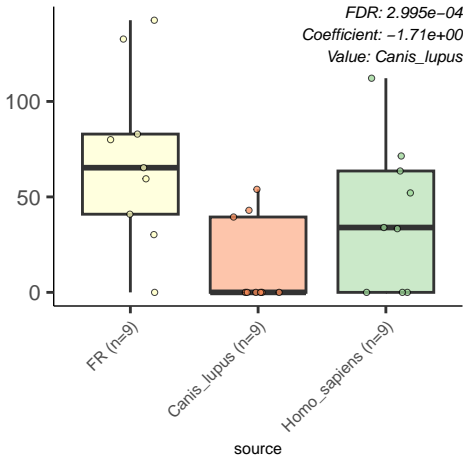


Bacteria.Firmicutes.Clostridia.Clostridiales.Peptostreptococcales

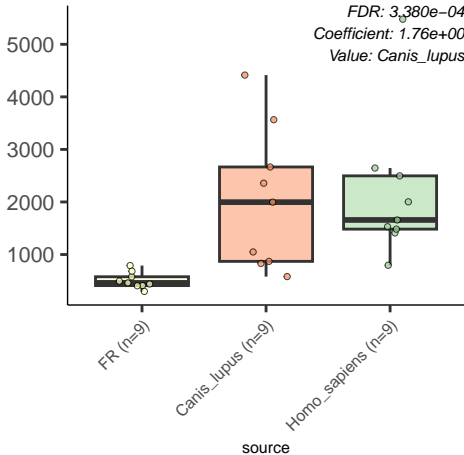




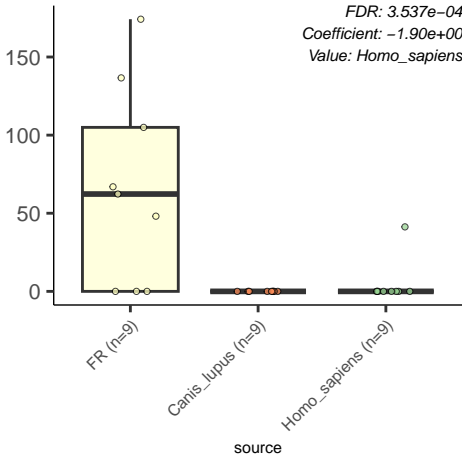
Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae



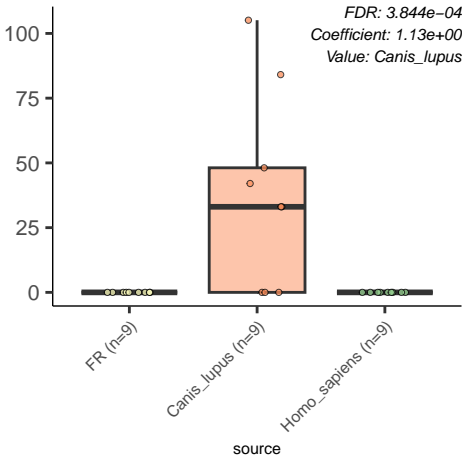
FDR:  $3.380e-04$   
Coefficient:  $1.76e+00$   
Value: *Canis\_lupus*

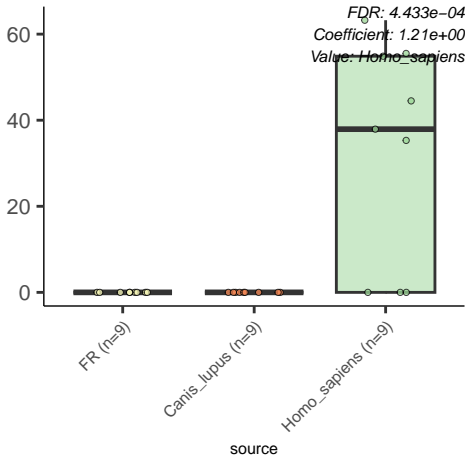


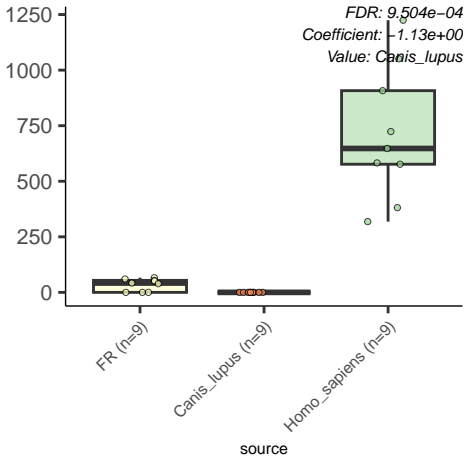
FDR:  $3.537\text{e-}04$   
Coefficient:  $-1.90\text{e}+00$   
Value: Homo\_sapiens



Actinobacteria, Actinobacteria, Propionibacteriales, Propionib

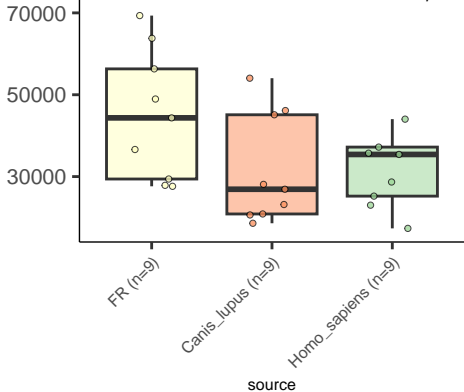






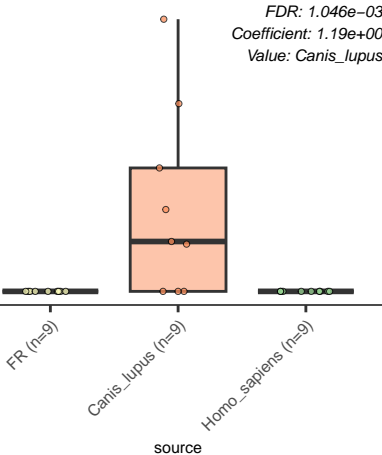


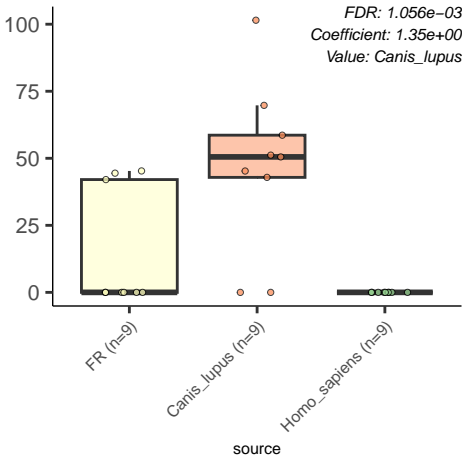
FDR:  $1.017e-03$   
 Coefficient:  $-2.97e-01$   
 Value: Homo\_sapiens

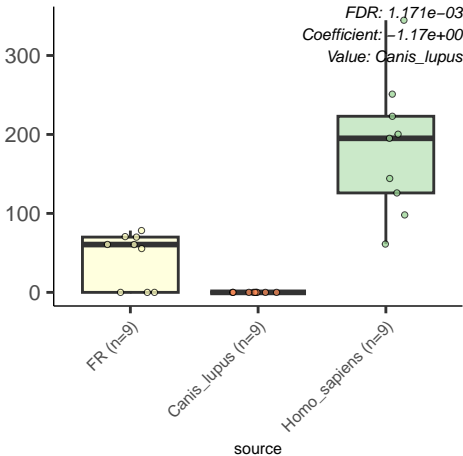


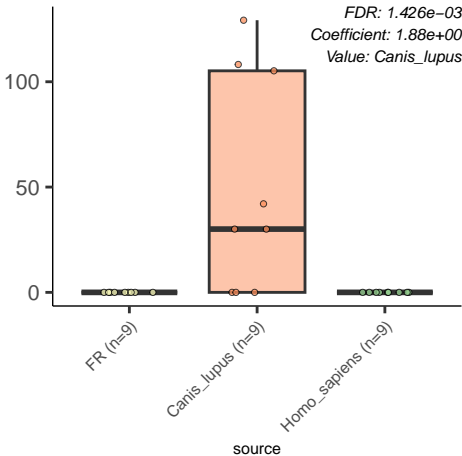
Bacteria.Actinobacteria.Coriobacteriia.Eggerthellales.Eggerthellac

FDR: 1.046e-03  
Coefficient: 1.19e+00  
Value: Canis\_lupus









Bacteria.Actinobacteria.Coriobacteriia.Coriobacteriales.Coriobacter

60  
40  
20  
0

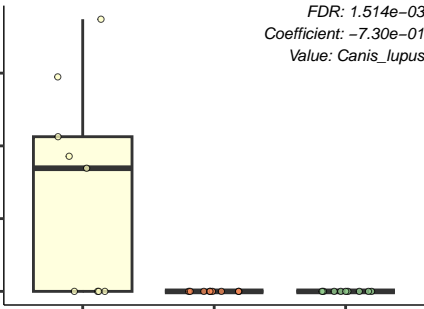
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source

FDR: 1.514e-03  
Coefficient: -7.30e-01  
Value: Canis\_lupus



Bacteria.Actinobacteria.Coriobacteriia.Coriobacteriales.Coriobacter

60  
40  
20  
0

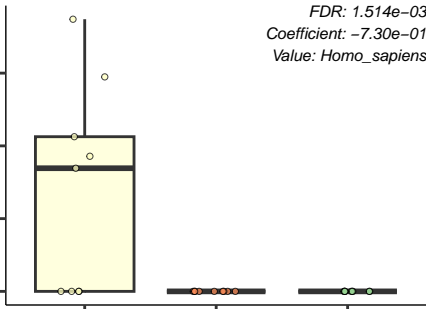
*FDR: 1.514e-03*  
*Coefficient: -7.30e-01*  
*Value: Homo\_sapiens*

FR (n=9)

Canis\_lupus (n=9)

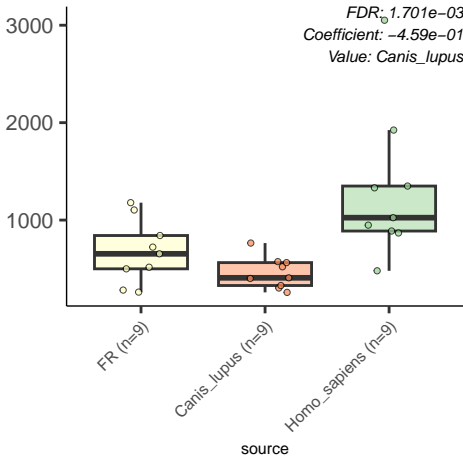
Homo\_sapiens (n=9)

source



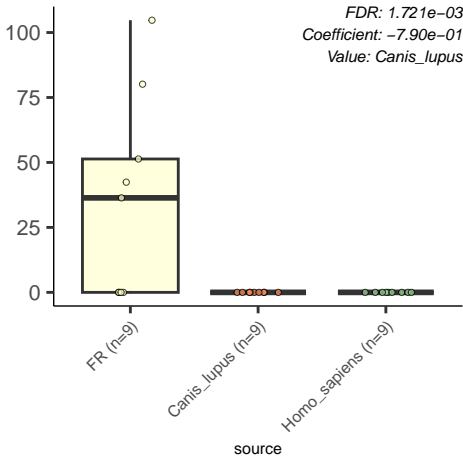
Bacteria.Firmicutes.Clostridia.Clostridiales.unassigned.u

FDR:  $1.701e-03$   
Coefficient:  $-4.59e-01$   
Value: Canis\_lupus

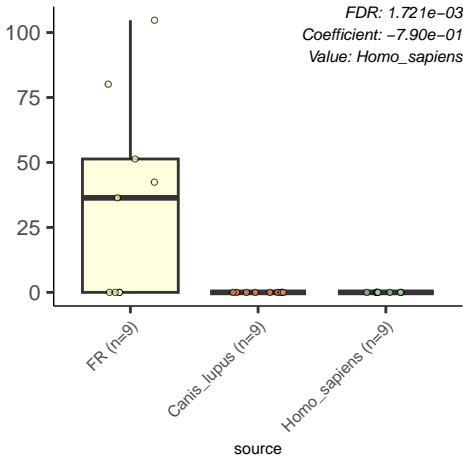




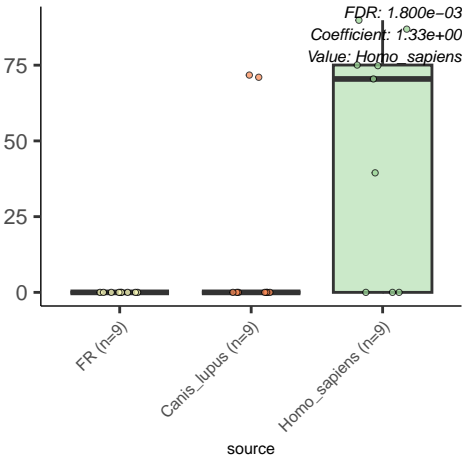
Bacteria.Synergistetes.Synergistia.Synergistales.Synergistaceae

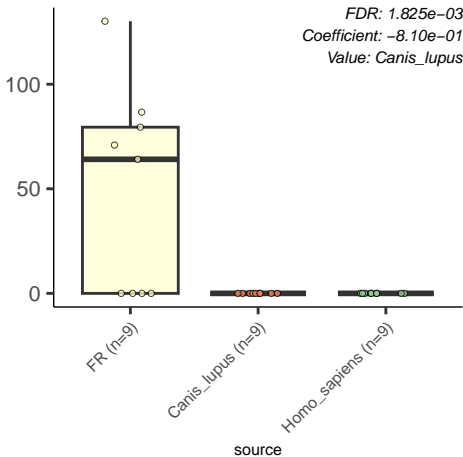


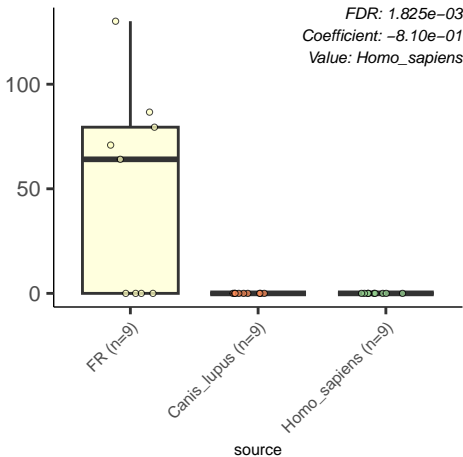
Bacteria.Synergistetes.Synergistia.Synergistales.Synergistaceae



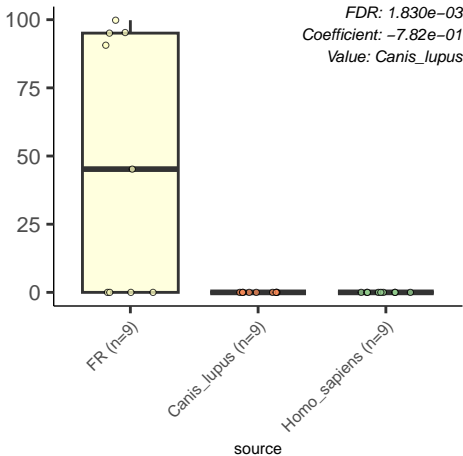
Bacteria,Proteobacteria,Alphaproteobacteria,Rhizobiales,Rhizob



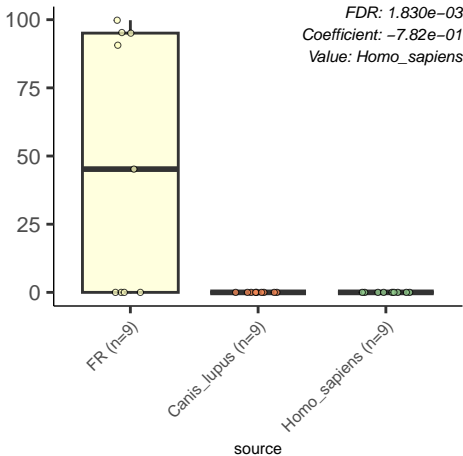




Bacteria.Firmicutes.Clostridia.Clostridiales.Peptococcaceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Peptococcaceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae.

15000  
10000  
5000  
0

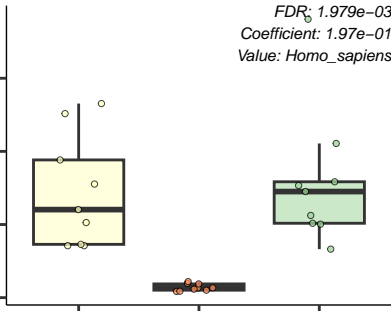
FR (n=9)

Canis\_lupus (n=9)

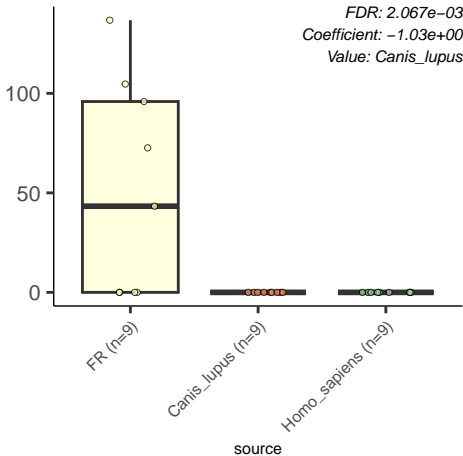
Homo\_sapiens (n=9)

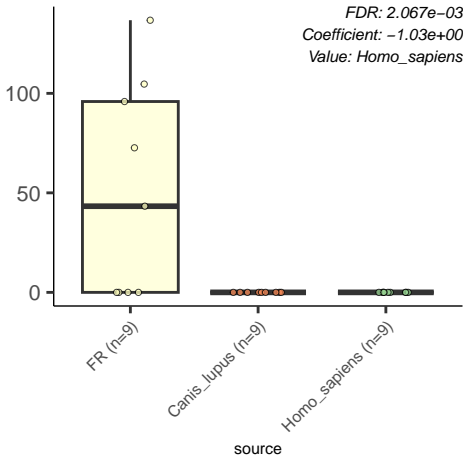
source

FDR: 1.979e-03  
Coefficient: 1.97e-01  
Value: Homo\_sapiens



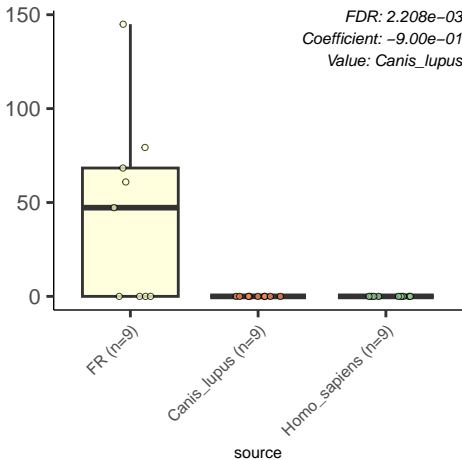






Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.

*FDR: 2.208e-03*  
*Coefficient: -9.00e-01*  
*Value: Canis\_lupus*



Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.

150  
100  
50  
0

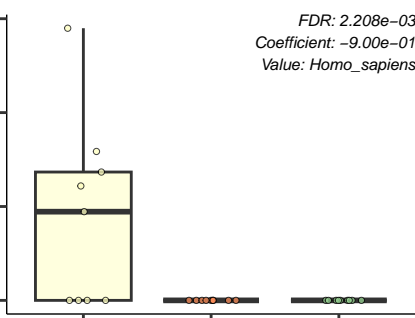
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source

*FDR: 2.208e-03*  
*Coefficient: -9.00e-01*  
*Value: Homo\_sapiens*





Bacteria.Synergistetes.Synergistia.Synergistales.Synergistaceae

FDR: 3.076e-03  
Coefficient: -8.59e-01  
Value: Canis\_lupus

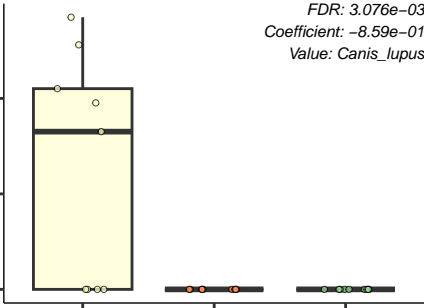
40  
20  
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



Bacteria.Synergistetes.Synergistia.Synergistales.Synergistaceae

FDR: 3.076e-03  
Coefficient: -8.59e-01  
Value: Homo\_sapiens

40

20

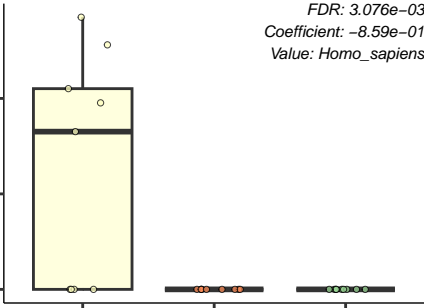
0

FR (n=9)

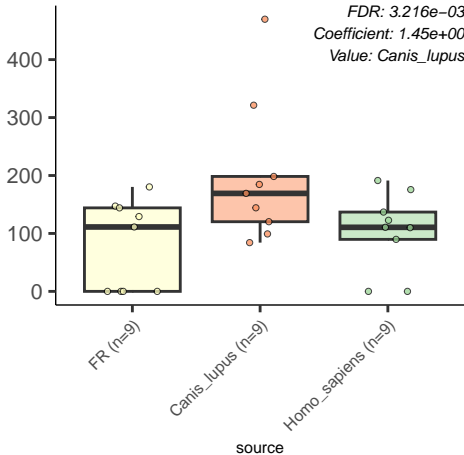
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



FDR: 3.216e-03  
Coefficient: 1.45e+00  
Value: Canis\_lupus





Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

FDR: 3.479e-03  
Coefficient: -3.48e-01  
Value: Homo\_sapiens

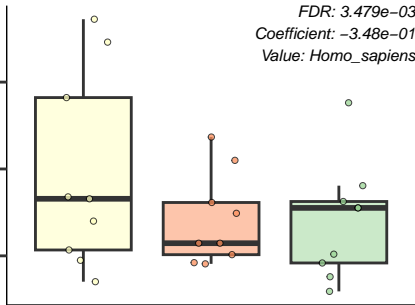
600  
400  
200

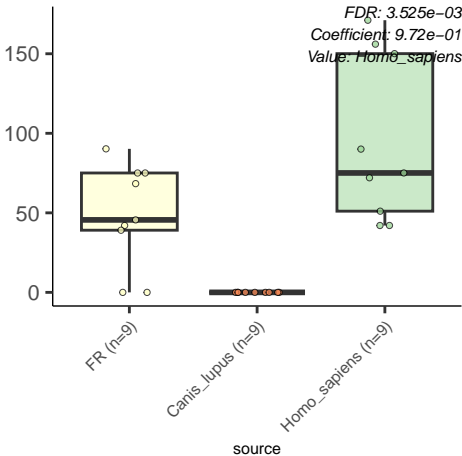
FR (n=9)

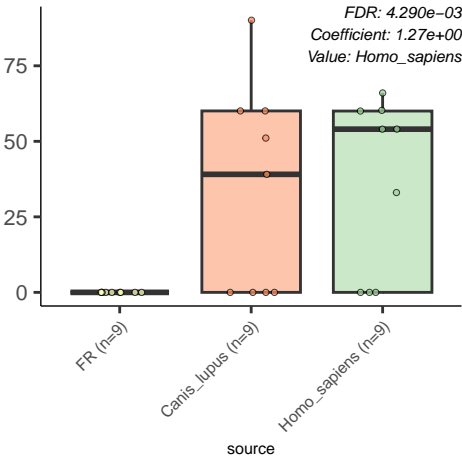
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

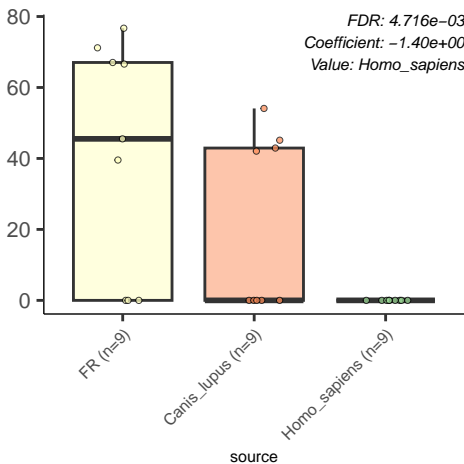
source



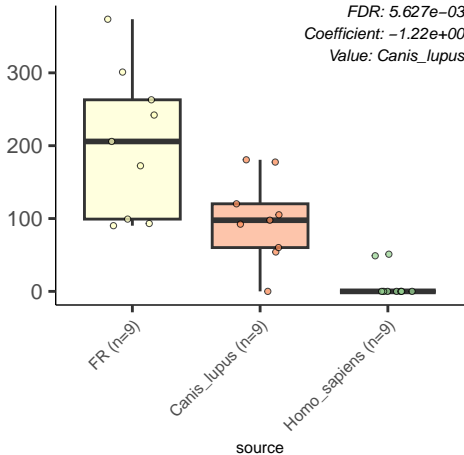




FDR:  $4.716e-03$   
Coefficient:  $-1.40e+00$   
Value: Homo\_sapiens

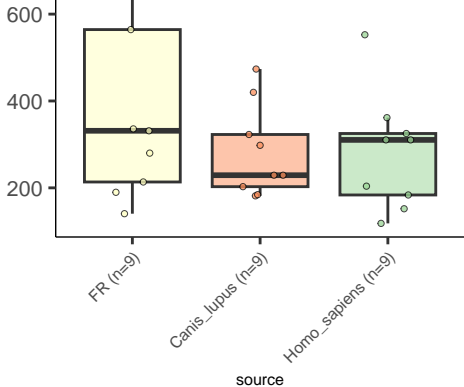


FDR:  $5.627e-03$   
Coefficient:  $-1.22e+00$   
Value: *Canis\_lupus*

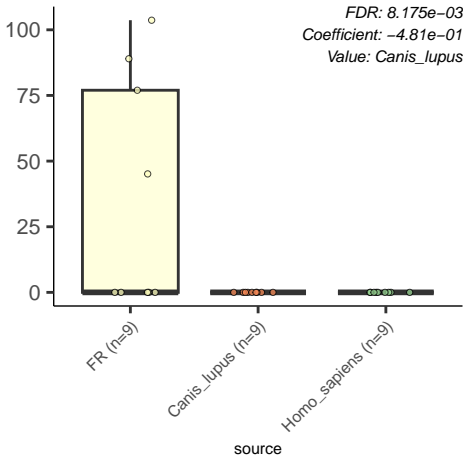


Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

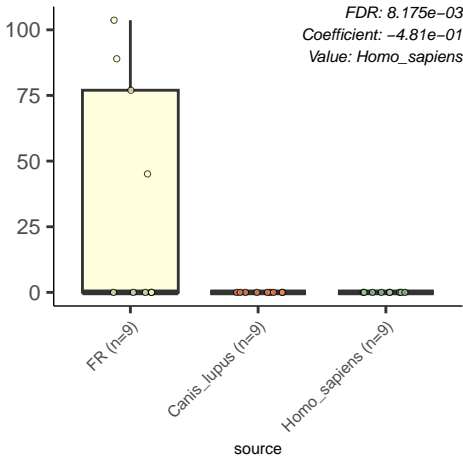
FDR:  $7.002e-03$   
Coefficient:  $-3.18e-01$   
Value: *Canis\_lupus*



Bacteria.Firmicutes.Bacilli.Bacillales.Paenibacillaceae.Pa

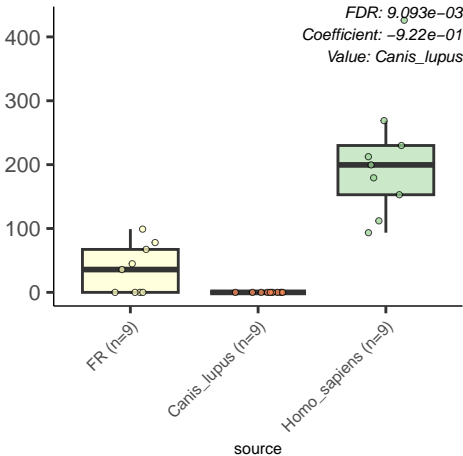


Bacteria.Firmicutes.Bacilli.Bacillales.Paenibacillaceae.Pa

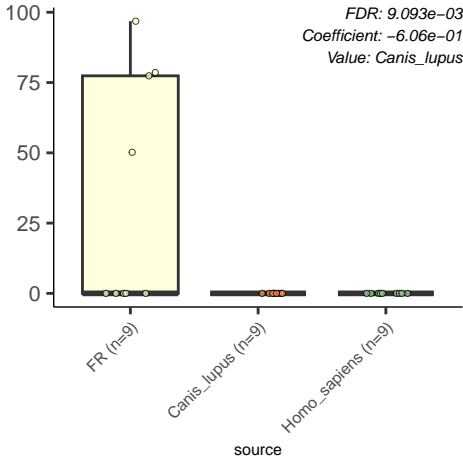




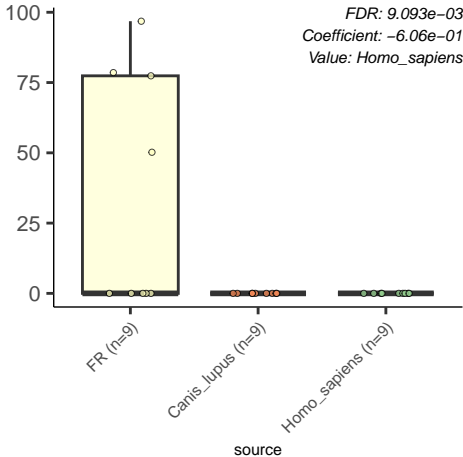
Bacteria.Firmicutes.Clostridia.Clostridiales.Hungateiclostridia



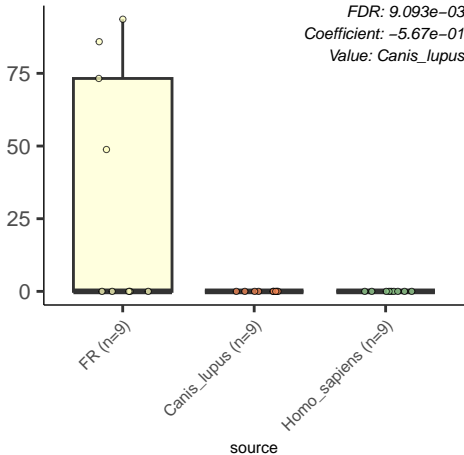
Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae.



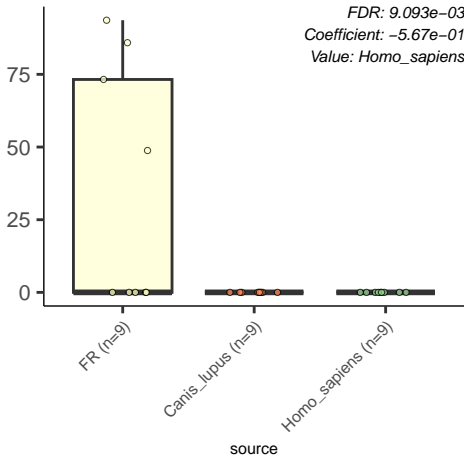
Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae.



FDR:  $9.093e-03$   
Coefficient:  $-5.67e-01$   
Value: *Canis\_lupus*

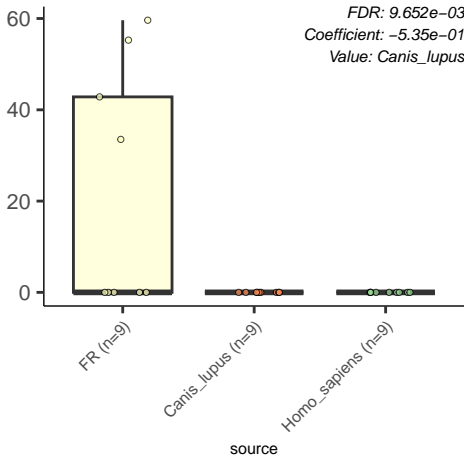


FDR:  $9.093e-03$   
Coefficient:  $-5.67e-01$   
Value: Homo\_sapiens



Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae.Ac

FDR:  $9.652e-03$   
Coefficient:  $-5.35e-01$   
Value: *Canis\_lupus*



Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae.Ac

60  
40  
20  
0

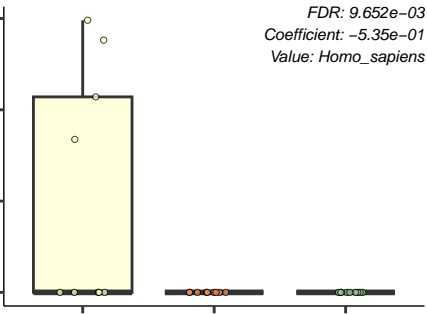
FDR: 9.652e-03  
Coefficient: -5.35e-01  
Value: Homo\_sapiens

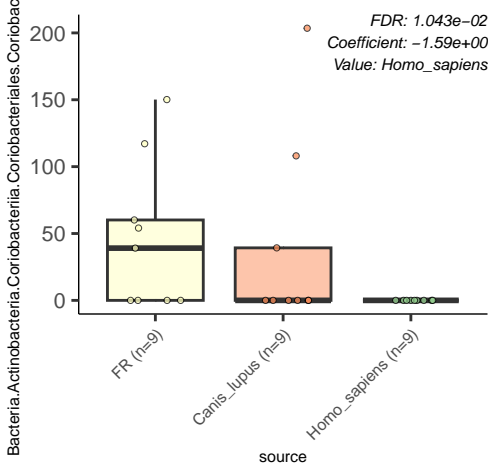
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

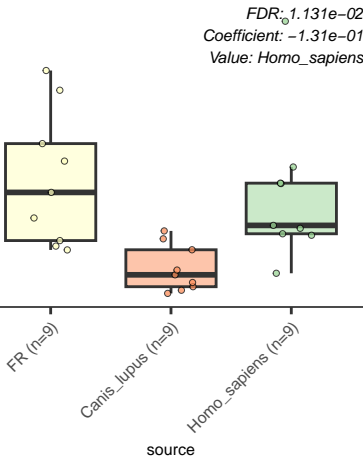
source

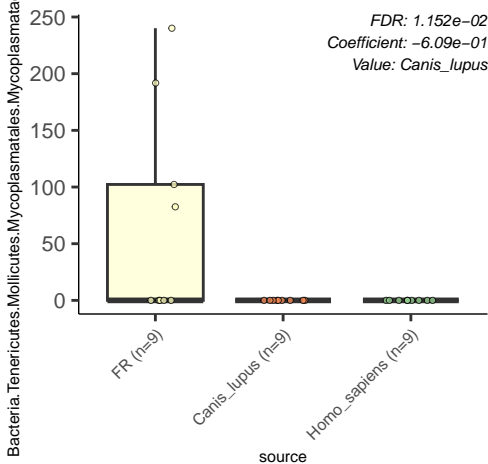


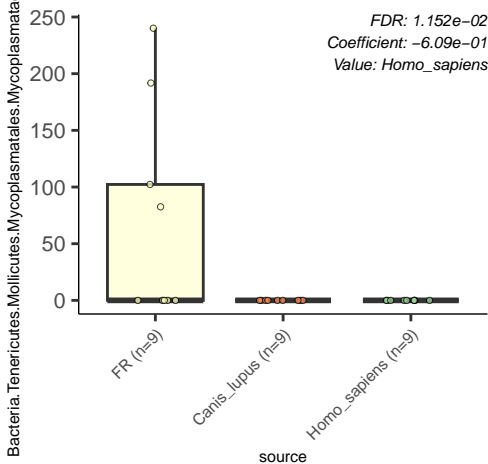


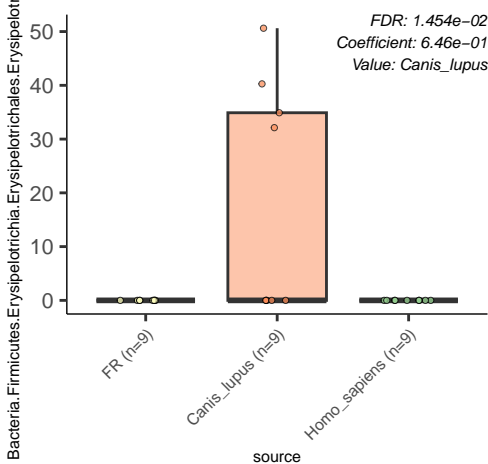


FDR:  $1.131e-02$   
Coefficient:  $-1.31e-01$   
Value: Homo\_sapiens



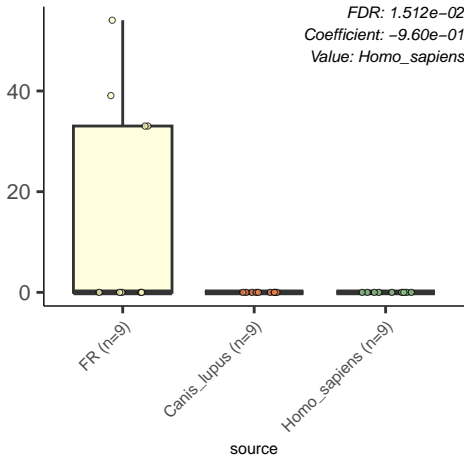




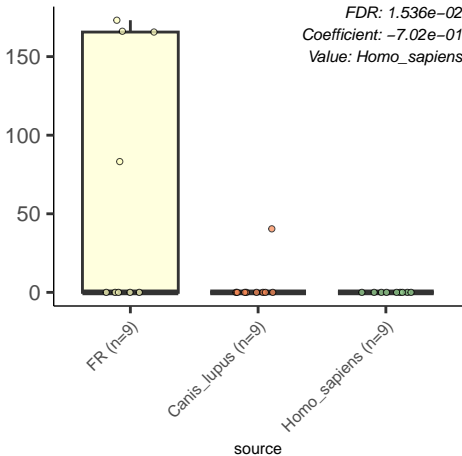




FDR: 1.512e-02  
Coefficient: -9.60e-01  
Value: Homo\_sapiens



Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.Y



Bacteria.Firmicutes.Erysipelotrichia.Erysipelotrichales.Erysipelotrichi

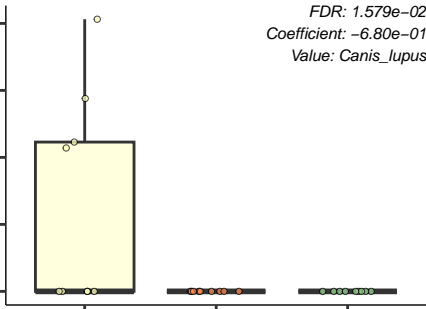
FDR: 1.579e-02  
Coefficient: -6.80e-01  
Value: Canis\_lupus

FR (n=9)

Canis\_lupus (n=9)

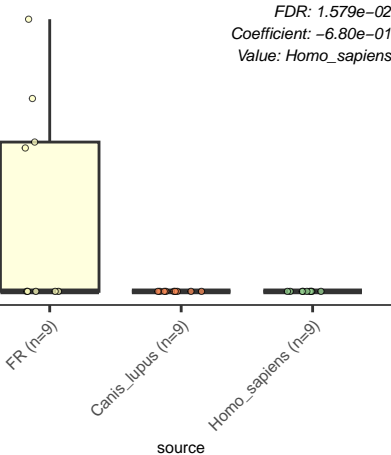
Homo\_sapiens (n=9)

source

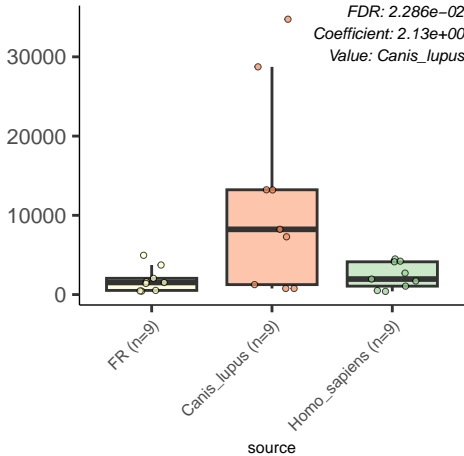


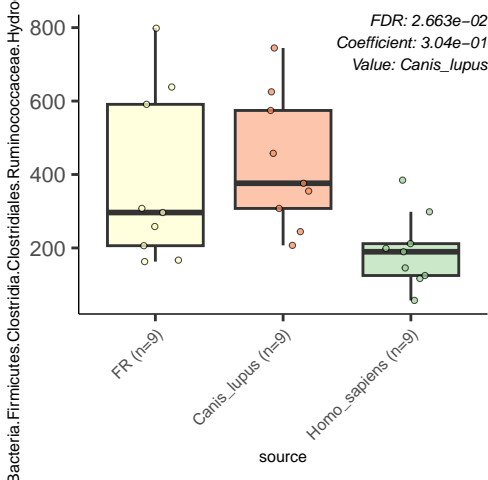


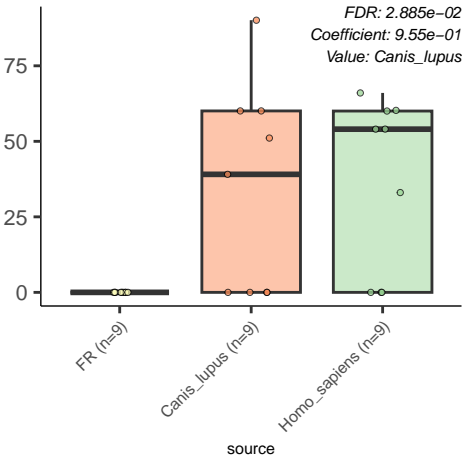
FDR: 1.579e-02  
Coefficient: -6.80e-01  
Value: Homo\_sapiens

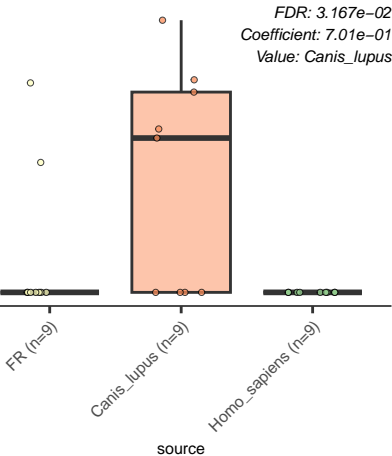


FDR: 2.286e-02  
Coefficient: 2.13e+00  
Value: Canis\_lupus

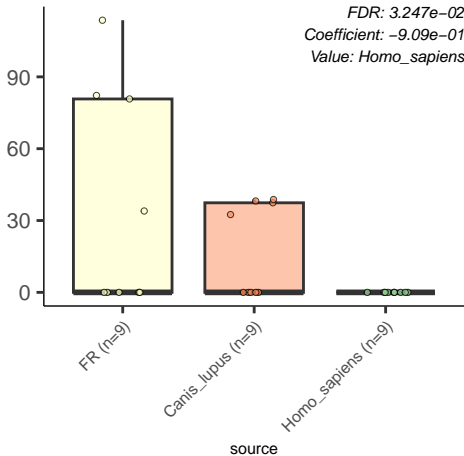








FDR: 3.247e-02  
Coefficient: -9.09e-01  
Value: Homo\_sapiens



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

FDR:  $3.297e-02$   
Coefficient:  $-3.44e-01$   
Value: *Canis\_lupus*

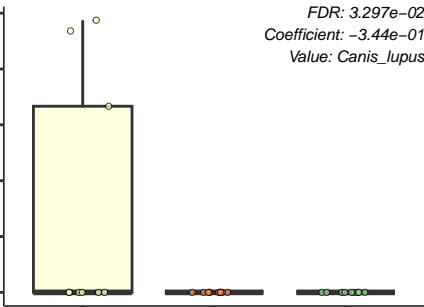
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source

50  
40  
30  
20  
10  
0



Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae

FDR:  $3.297e-02$   
Coefficient:  $-3.44e-01$   
Value: Homo\_sapiens

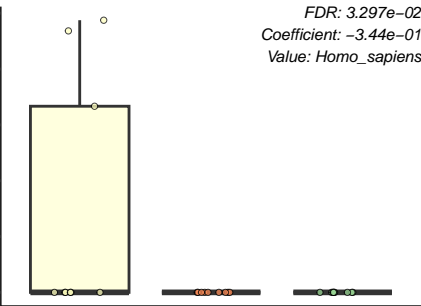
FR (n=9)

Canis\_lupus (n=9)

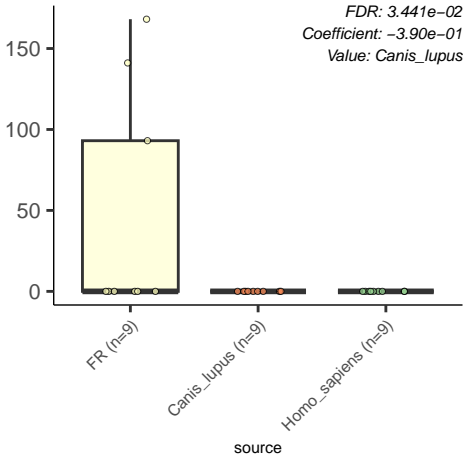
Homo\_sapiens (n=9)

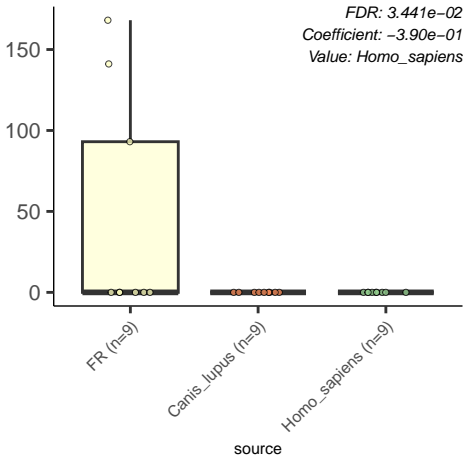
source

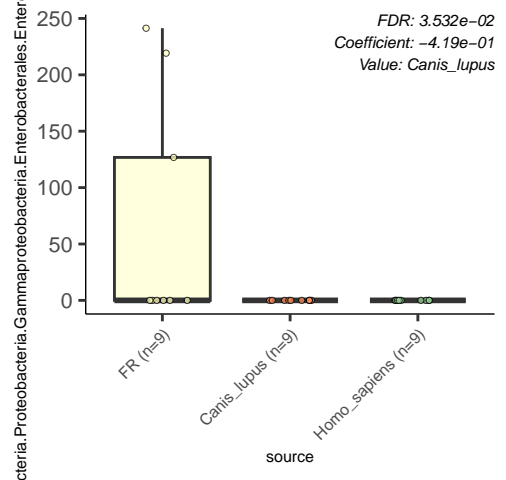
50  
40  
30  
20  
10  
0

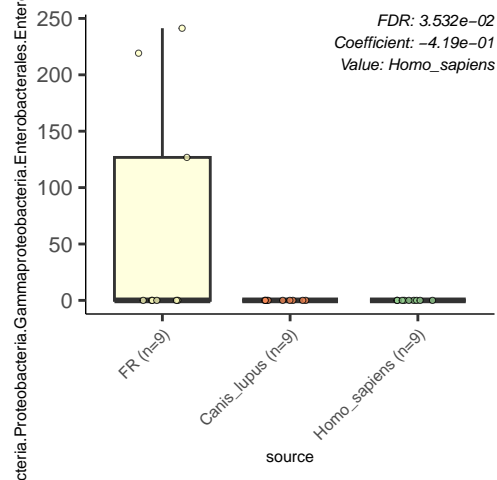












Bacteria.Cyanobacteria.Gloeobacteria.Gloeobacterales.Gloeobacteraceae

60  
40  
20  
0

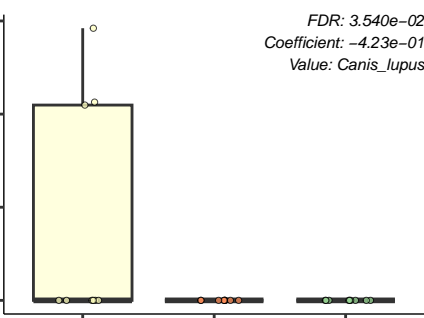
FR (n=9)

Canis\_lupus (n=9)

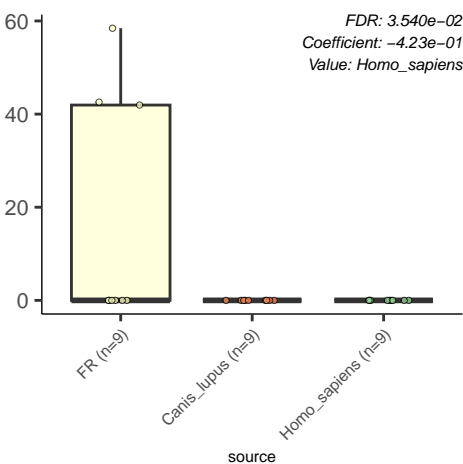
Homo\_sapiens (n=9)

source

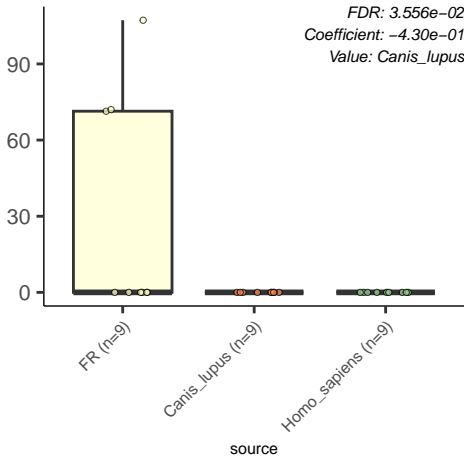
FDR: 3.540e-02  
Coefficient: -4.23e-01  
Value: Canis\_lupus

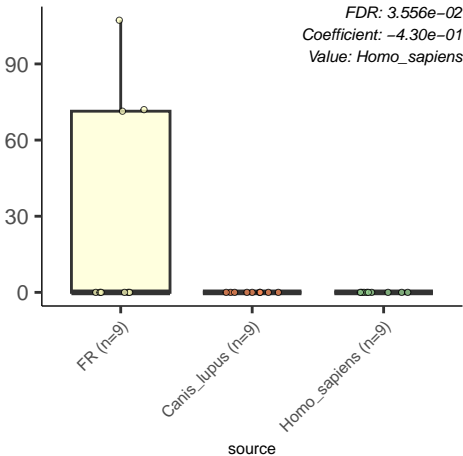


Bacteria.Cyanobacteria.Gloeobacteria.Gloeobacterales.Gloeobacter



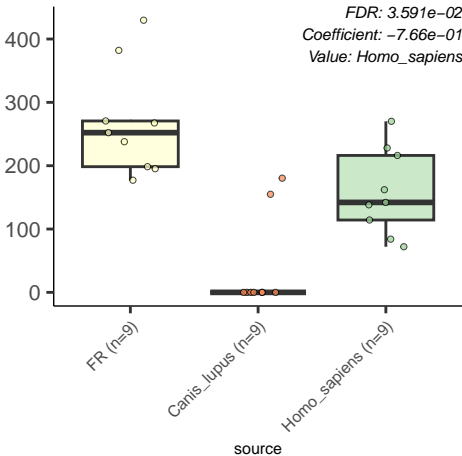
FDR: 3.556e-02  
Coefficient: -4.30e-01  
Value: Canis\_lupus







Bacteria.Actinobacteria.Coriobacteriia.Eggerthellales.Eggerthella



Bacteria.Proteobacteria.Alphaproteobacteria.Rhodospirillales.Acet

FDR: 3.596e-02  
Coefficient: 4.26e-01  
Value: Canis\_lupus

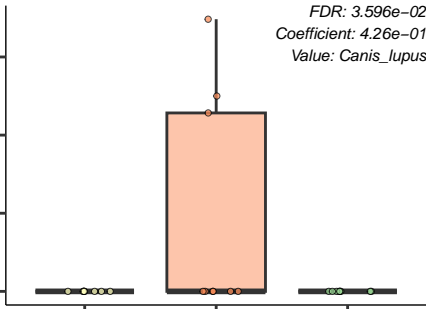
75  
50  
25  
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



1000  
500  
0

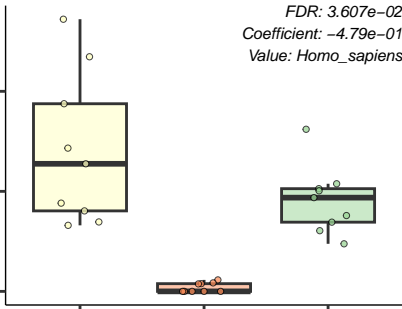
FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source

FDR: 3.607e-02  
Coefficient: -4.79e-01  
Value: Homo\_sapiens



Bacteria.Firmicutes.Clostridia.Clostridiales.Peptococcaceae

FDR:  $3.656e-02$   
Coefficient:  $-4.48e-01$   
Value: *Canis\_lupus*

100

50

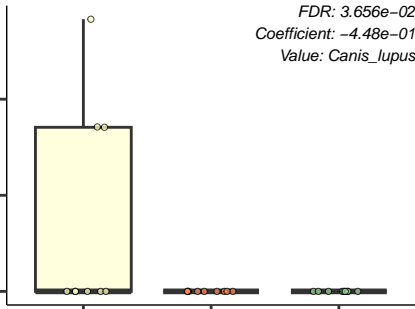
0

FR (n=9)

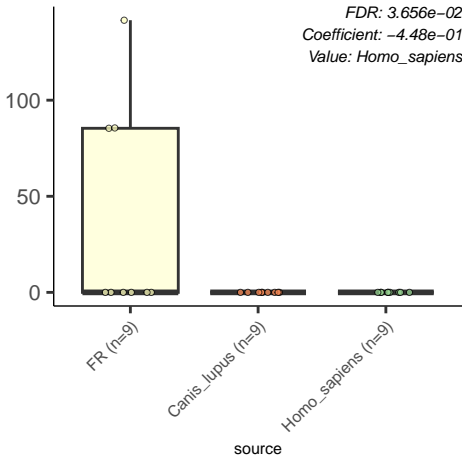
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

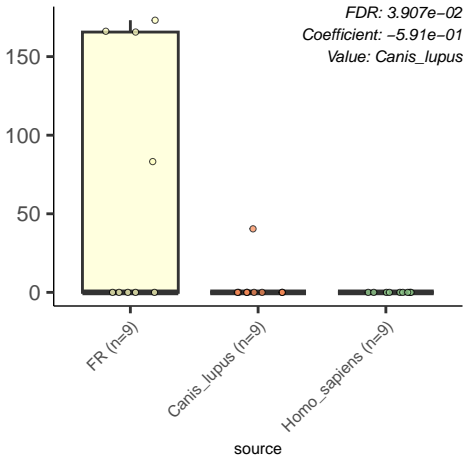
source



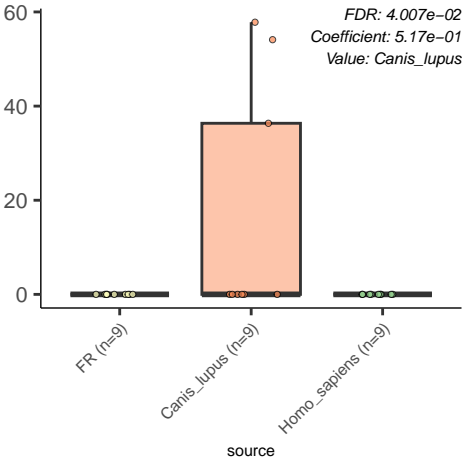
Bacteria.Firmicutes.Clostridia.Clostridiales.Peptococcaceae



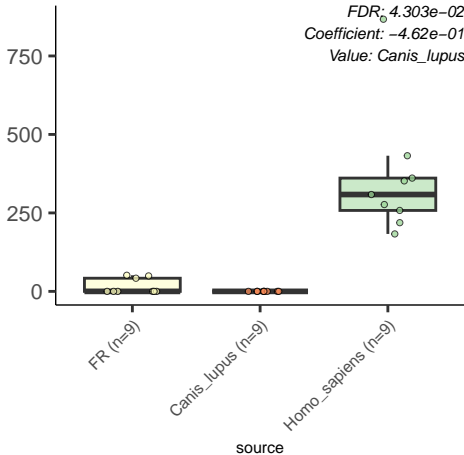
Bacteria.Firmicutes.Clostridia.Clostridiales.Clostridiaceae.Y



Bacteria.Bacteroidetes.Bacteroidia.Bacteroidales.Muribaculaceae



FDR:  $4.303e-02$   
Coefficient:  $-4.62e-01$   
Value: *Canis\_lupus*

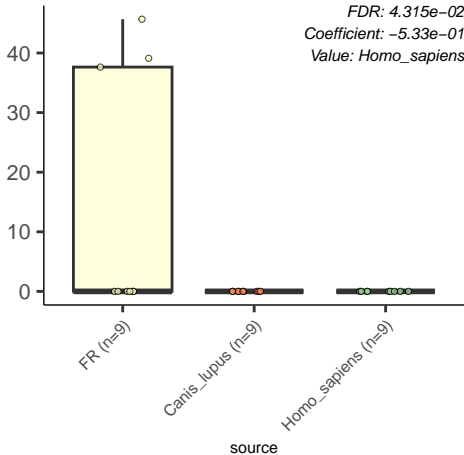




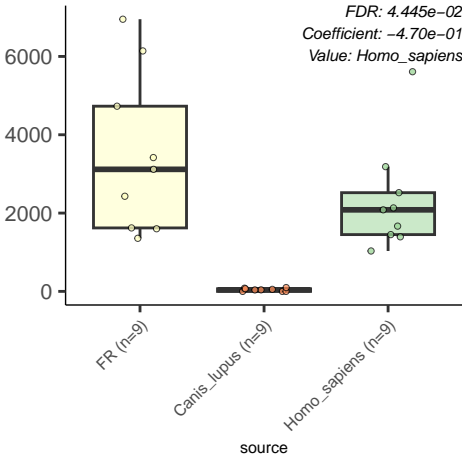


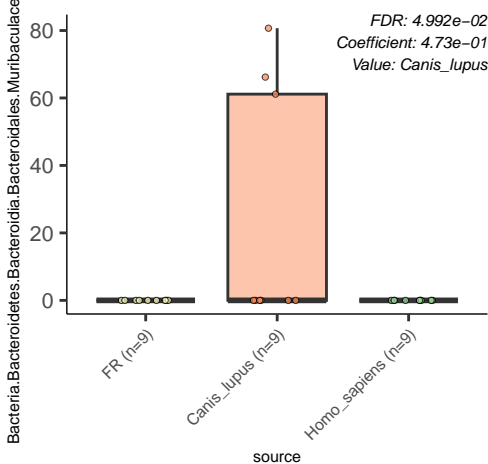
Bacteria.Firmicutes.Clostridia.Clostridiales.Lachnospiraceae.

*FDR: 4.315e-02*  
*Coefficient: -5.33e-01*  
*Value: Homo\_sapiens*

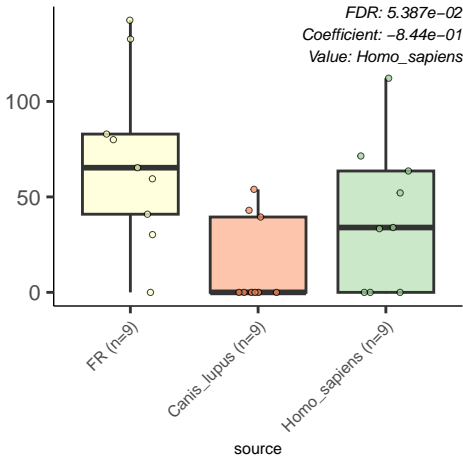


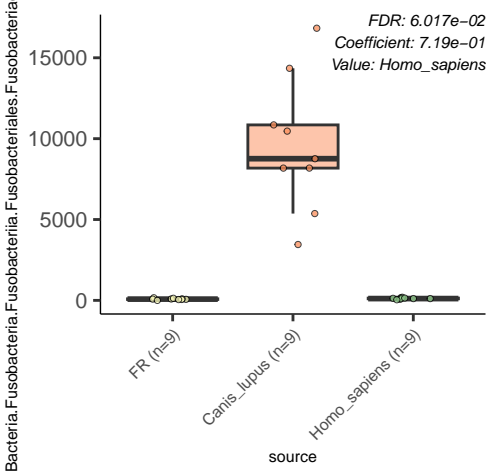
Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae

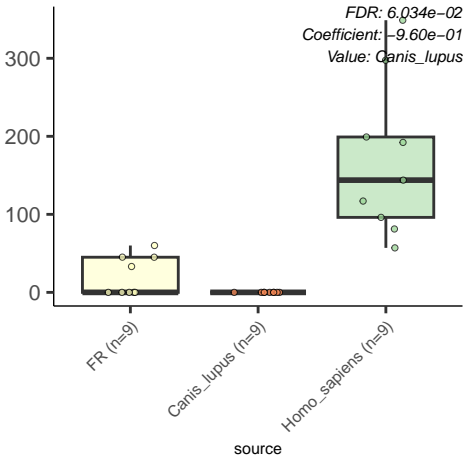




Bacteria.Firmicutes.Clostridia.Clostridiales.Ruminococcaceae







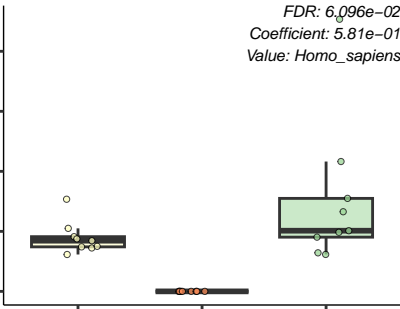
FDR: 6.096e-02  
Coefficient: 5.81e-01  
Value: Homo\_sapiens

FR (n=9)

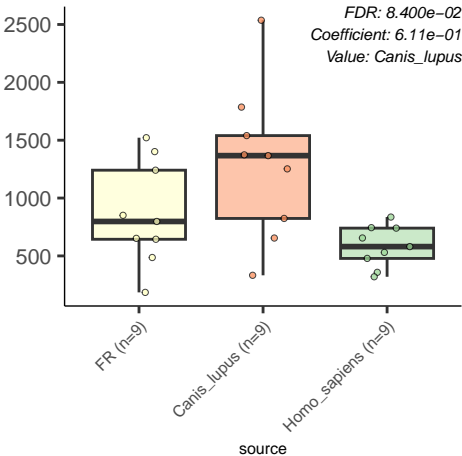
Canis\_lupus (n=9)

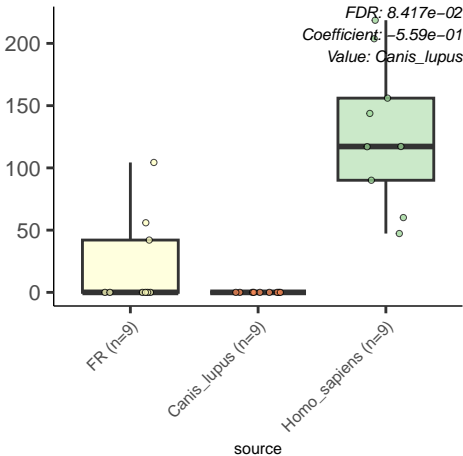
Homo\_sapiens (n=9)

source

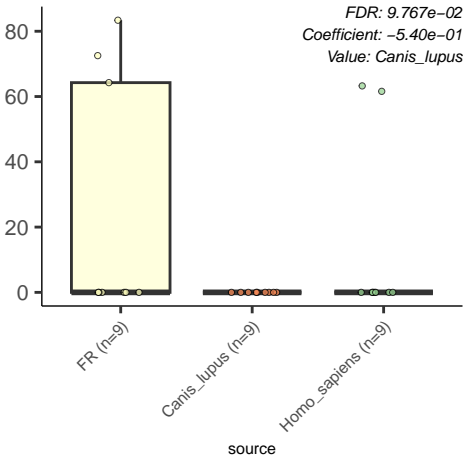




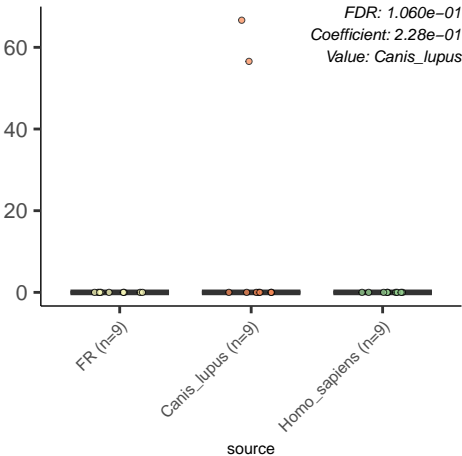




Bacteria.Firmicutes.Negativicutes.Selenomonadales.Sporomusaceae



Bacteria.Actinobacteria.Coriobacteriia.Eggerthellales.Eggerthellac



Bacteria.Cyanobacteria.unassigned.Oscillatoriales.Oscillatoria

FDR: 1.060e-01  
Coefficient: -2.31e-01  
Value: Canis\_lupus

FR (n=9)

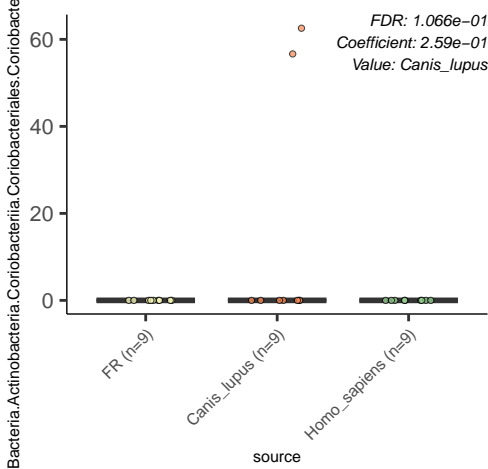
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source

50  
40  
30  
20  
10  
0





Bacteria.Actinobacteria.Coriobacteriia.Eggerthellales

FDR: 1.066e-01  
Coefficient: -2.52e-01  
Value: Canis\_lupus

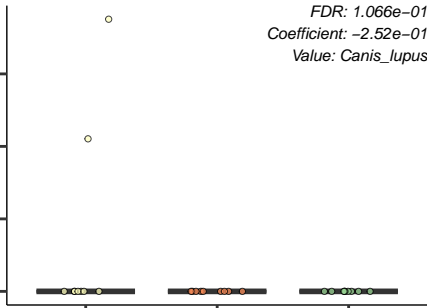
60  
40  
20  
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source





Bacteria.Actinobacteria.Coriobacteriia.Eggerthellales

FDR: 1.066e-01  
Coefficient: -2.52e-01  
Value: Homo\_sapiens

60

40

20

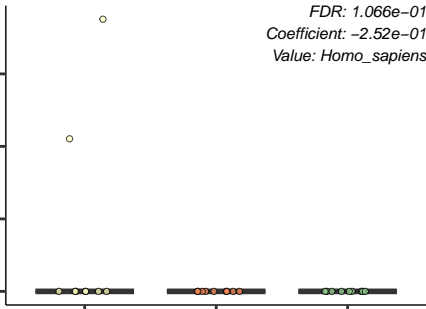
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



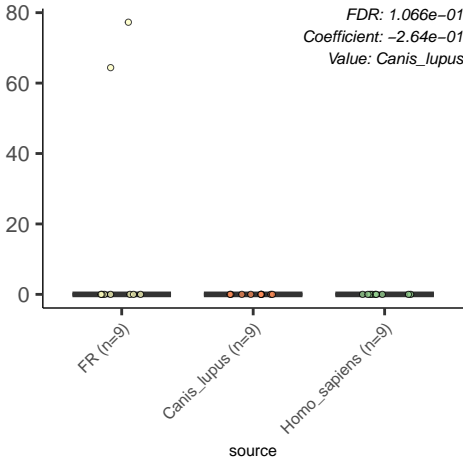


Bacteria.Firmicutes.Bacilli.Bacillales.Staphylococcaceae.M

*FDR: 1.066e-01*

Coefficient:  $-2.64e-01$

Value: *Canis\_lupus*



Bacteria.Firmicutes.Bacilli.Bacillales.Staphylococcaceae.M

80  
60  
40  
20  
0

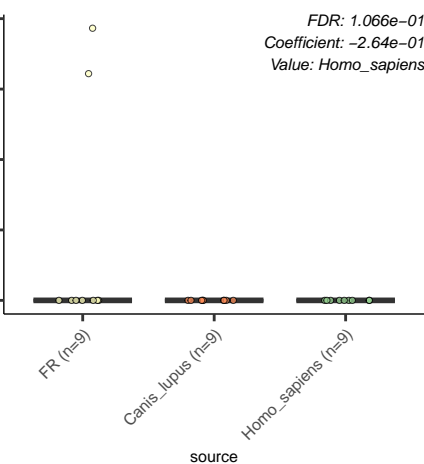
*FDR: 1.066e-01*  
*Coefficient: -2.64e-01*  
*Value: Homo\_sapiens*

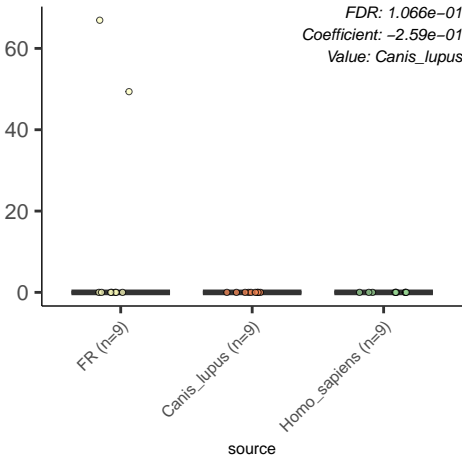
FR (n=9)

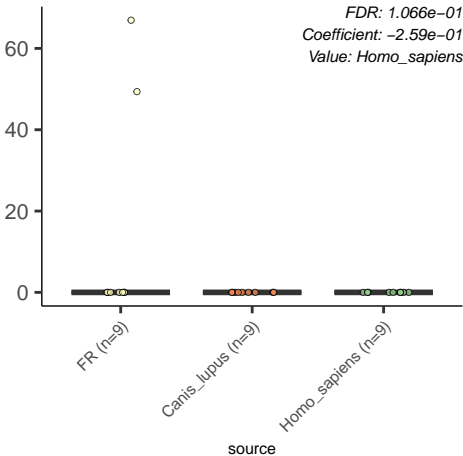
Canis\_lupus (n=9)

Homo\_sapiens (n=9)

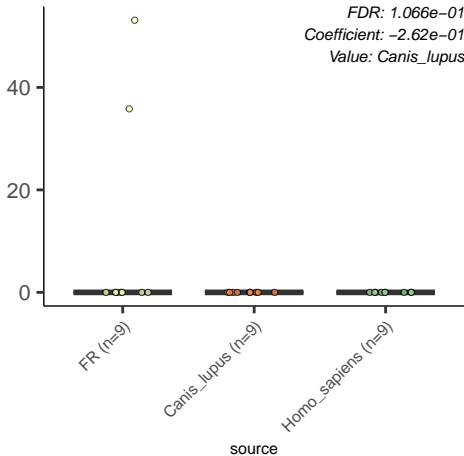
source



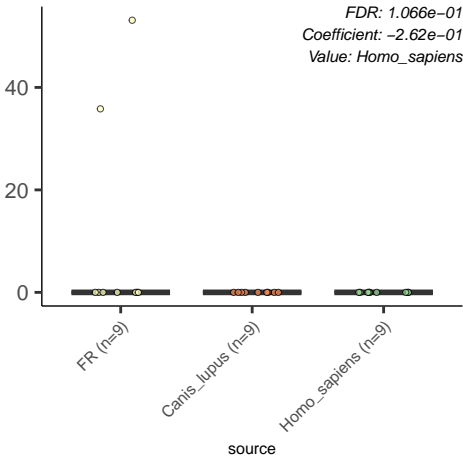




FDR: 1.066e-01  
Coefficient: -2.62e-01  
Value: Canis\_lupus



acteria.Firmicutes.Clostridia.Clostridiales.Clostridiales.Family.XIII..Inc



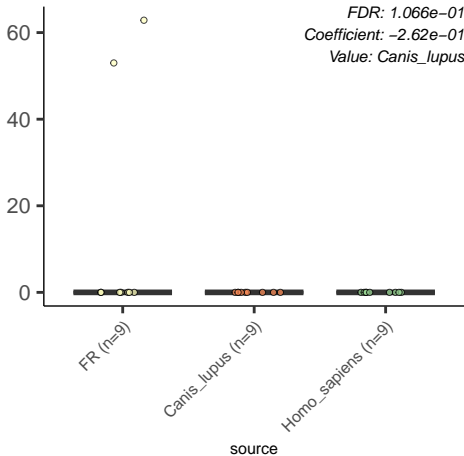


Bacteria.Firmicutes.Clostridia.Clostridiales.Eubacteriaceae.Rh

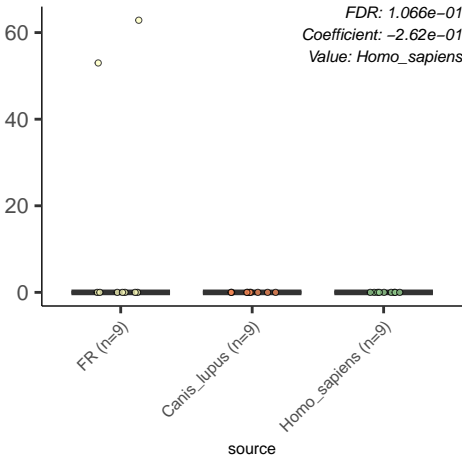
*FDR: 1.066e-01*

Coefficient:  $-2.62e-01$

Value: *Canis\_lupus*



Bacteria.Firmicutes.Clostridia.Clostridiales.Eubacteriaceae.Rh



Bacteria.Firmicutes.Clostridia.Clostridiales.Peptococcaceae

60  
40  
20  
0

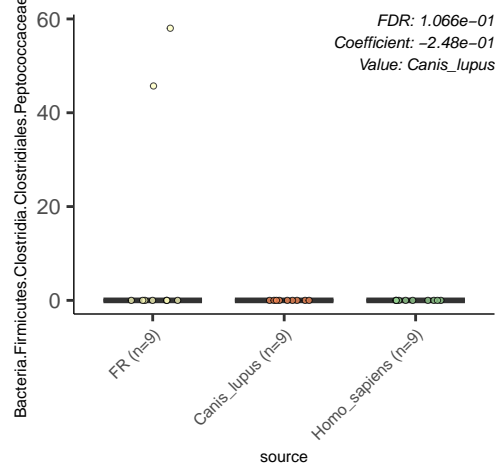
FDR: 1.066e-01  
Coefficient: -2.48e-01  
Value: Canis\_lupus

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



Bacteria.Firmicutes.Clostridia.Clostridiales.Peptococcaceae

60  
40  
20  
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

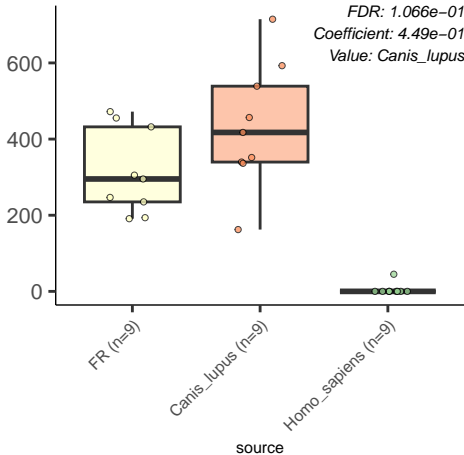
source

*FDR: 1.066e-01*

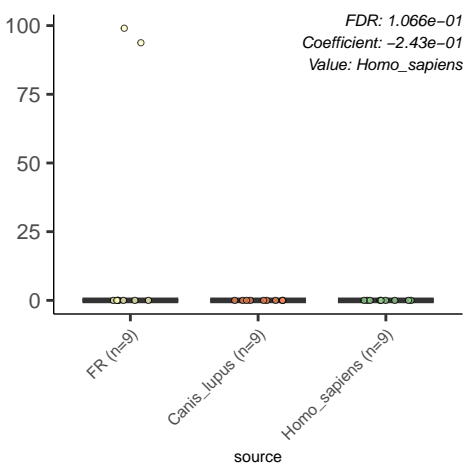
Coefficient:  $-2.48e-01$

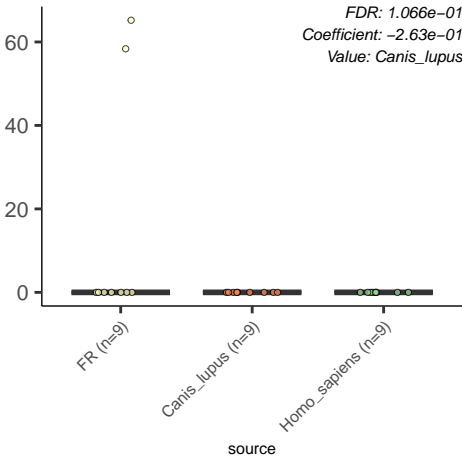
Value: Homo\_sapiens

FDR: 1.066e-01  
Coefficient: 4.49e-01  
Value: Canis\_lupus



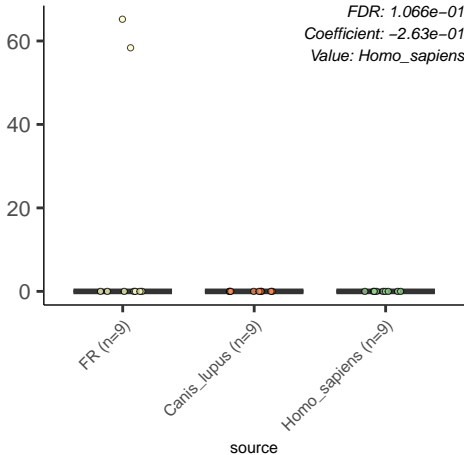








FDR: 1.066e-01  
Coefficient: -2.63e-01  
Value: Homo\_sapiens



Bacteria.Firmicutes.Clostridia.Clostridiales.Vallitaleaceae

FDR: 1.103e-01  
Coefficient: -2.80e-01  
Value: Canis\_lupus

40

20

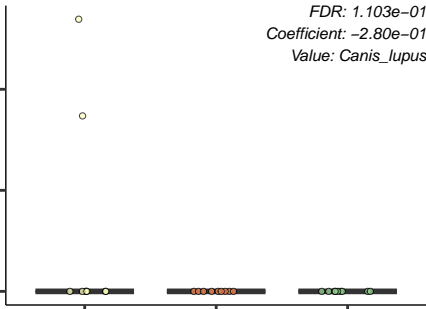
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

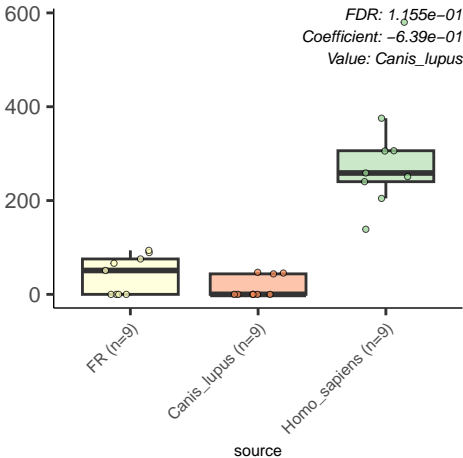
source



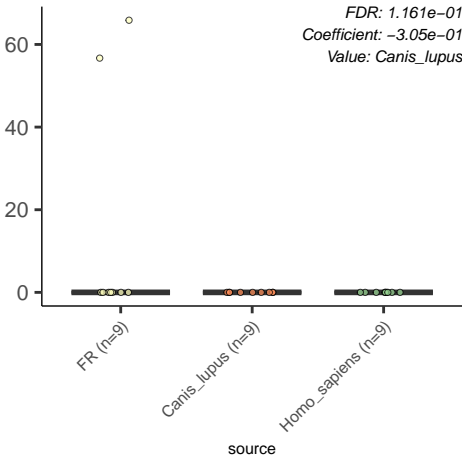




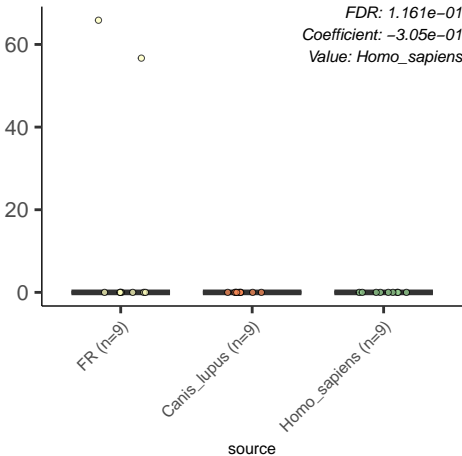




Bacteria.Firmicutes.Clostridia.Clostridiales.Peptostreptococcaceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Peptostreptococcaceae





Bacteria.Actinobacteria.Coriobacteriia.Coriobacteriales.Atopob

FDR: 1.177e-01  
Coefficient: 3.12e-01  
Value: Canis\_lupus

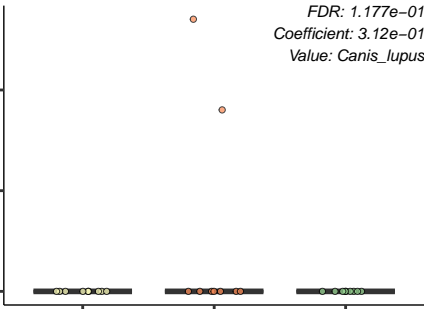
40  
20  
0

FR (n=9)

Canis\_lupus (n=9)

Homo\_sapiens (n=9)

source



Bacteria.Actinobacteria.Coriobacteriia.Coriobacteriales.Atopob

FDR: 1.177e-01  
Coefficient: 3.12e-01  
Value: Canis\_lupus

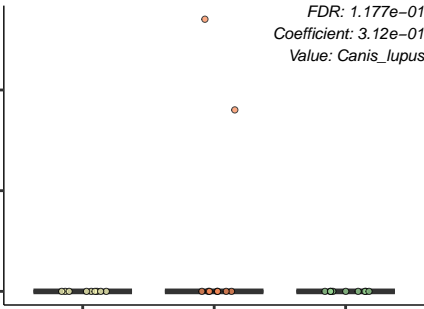
40  
20  
0

FR (n=9)

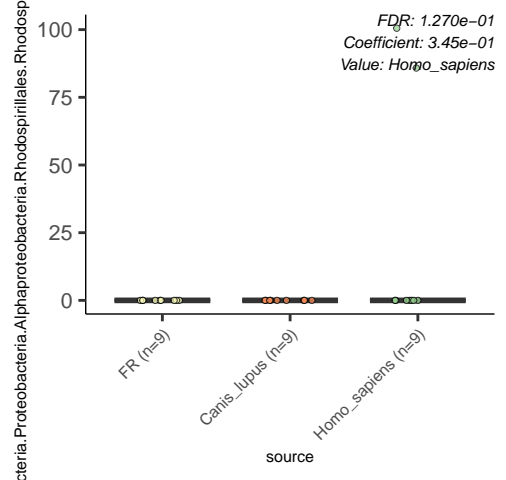
Canis\_lupus (n=9)

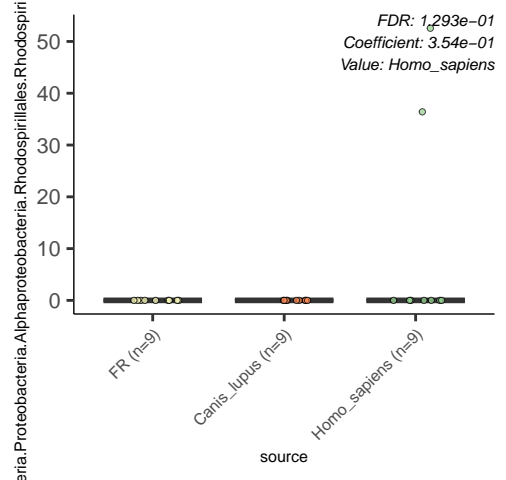
Homo\_sapiens (n=9)

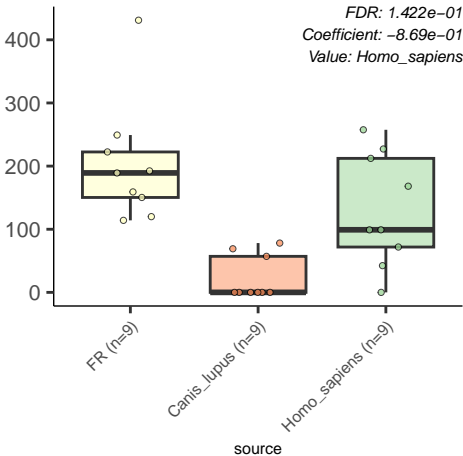
source





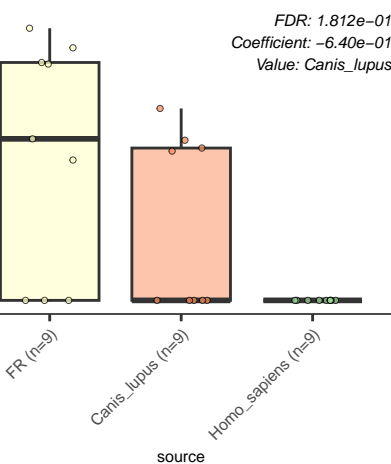




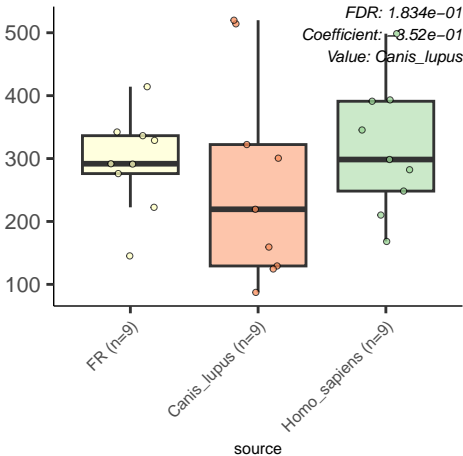




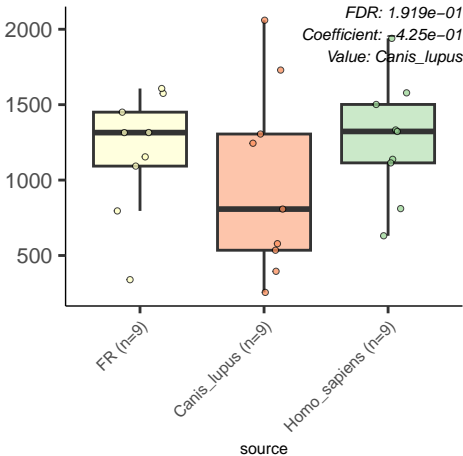
FDR: 1.812e-01  
Coefficient: -6.40e-01  
Value: Canis\_lupus







Bacteria.Firmicutes.Negativicutes.Veillonellales.Veillonellaceae



Bacteria.Firmicutes.Clostridia.Clostridiales.Peptococcaceae.D

