

Clostridia\_UCG.014

*FDR: 8.179e-15*

*Coefficient: -3.86e+00*

*Value: pre\_ltx*

750

500

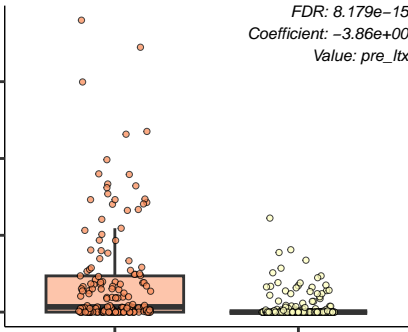
250

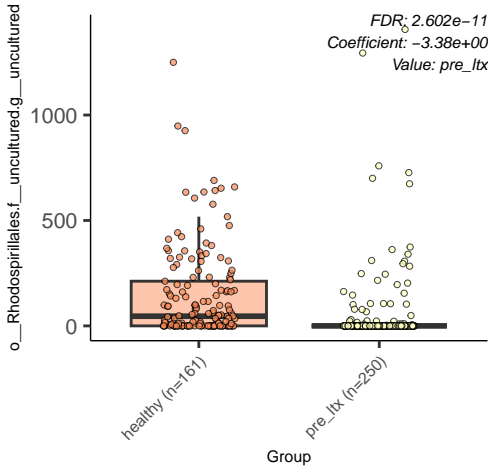
0

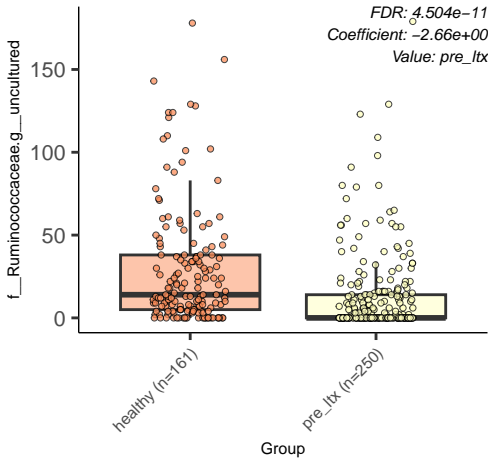
healthy (n=161)

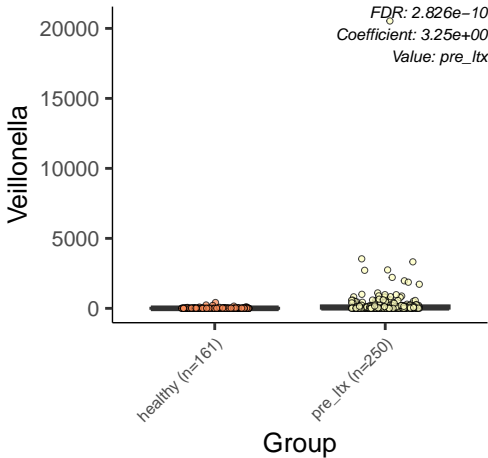
pre\_ltx (n=250)

Group









Parabacteroides

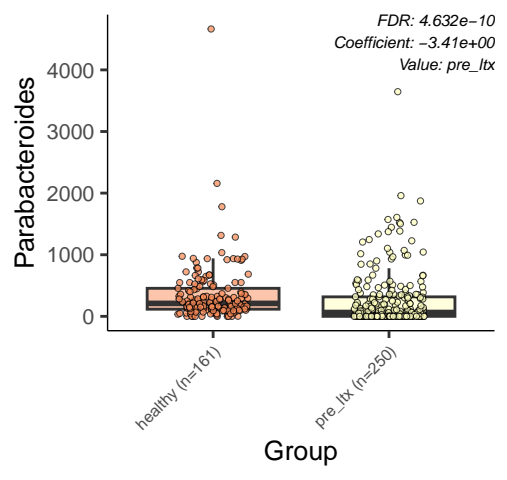
healthy (n=161)

pre\_ltx (n=250)

Group

*FDR: 4.632e-10*  
*Coefficient: -3.41e+00*  
*Value: pre\_ltx*

4000  
3000  
2000  
1000  
0



Butyricimonas

healthy (n=161)

pre\_ltx (n=250)

Group

FDR:  $9.128 \times 10^{-10}$   
Coefficient:  $-2.47 \times 10^0$   
Value: pre\_ltx

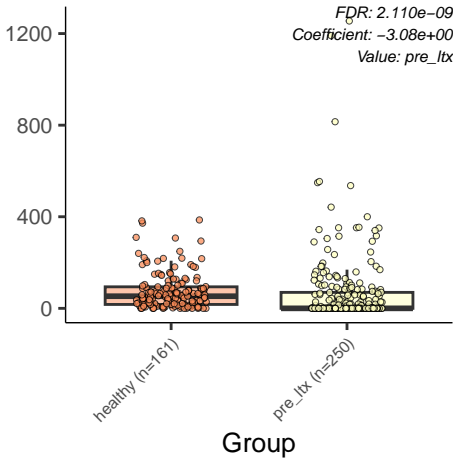
300

200

100

0

Odoribacter



Lachnospiraceae\_UCG.010

FDR:  $2.414e-09$

Coefficient:  $-3.31e+00$

Value: *pre\_ltx*

1000

750

500

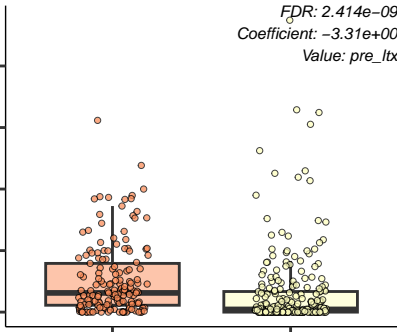
250

0

healthy (n=161)

pre\_ltx (n=250)

Group





Holdmania

100

50

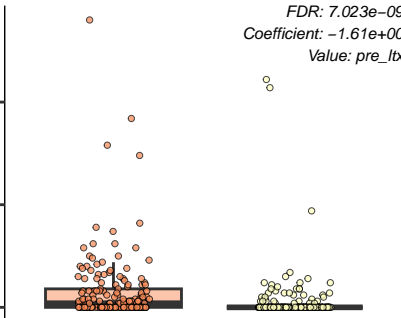
0

healthy (n=161)

pre\_ltx (n=250)

Group

FDR:  $7.023e-09$   
Coefficient:  $-1.61e+00$   
Value: *pre\_ltx*



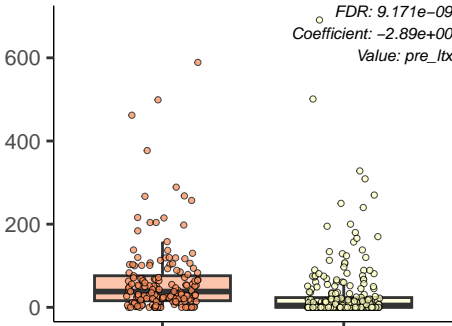
Intestinimonas

FDR:  $9.171\text{e-}09$   
Coefficient:  $-2.89\text{e}+00$   
Value: *pre\_ltx*

healthy (n=161)

pre\_ltx (n=250)

Group



Coprococcus

3000

2000

1000

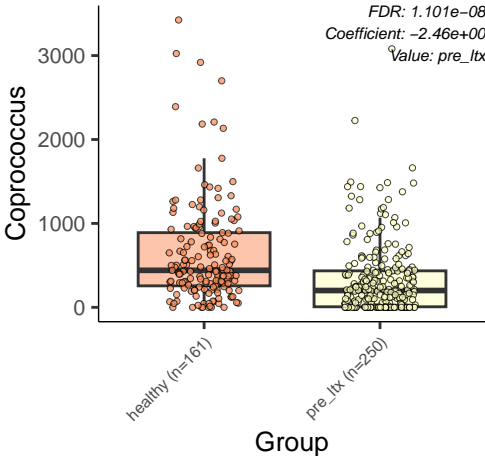
0

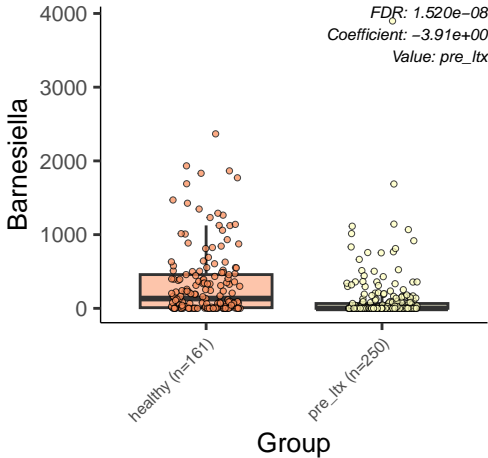
healthy (n=161)

pre\_ltx (n=250)

Group

FDR:  $1.101e-08$   
Coefficient:  $-2.46e+00$   
Value: pre\_ltx





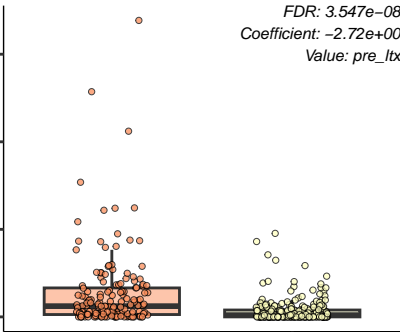
Erysipelotrichaceae\_UCG.003

*FDR: 3.547e-08*  
*Coefficient: -2.72e+00*  
*Value: pre\_ltx*

healthy (n=161)

pre\_ltx (n=250)

Group



Christensenellaceae\_R.7\_group

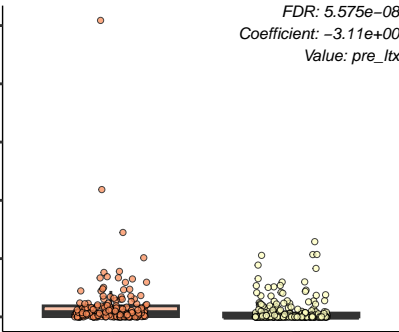
5000  
4000  
3000  
2000  
1000  
0

*FDR: 5.575e-08*  
*Coefficient: -3.11e+00*  
*Value: pre\_ltx*

healthy (n=161)

pre\_ltx (n=250)

Group



Lachnoclostridium

15000

10000

5000

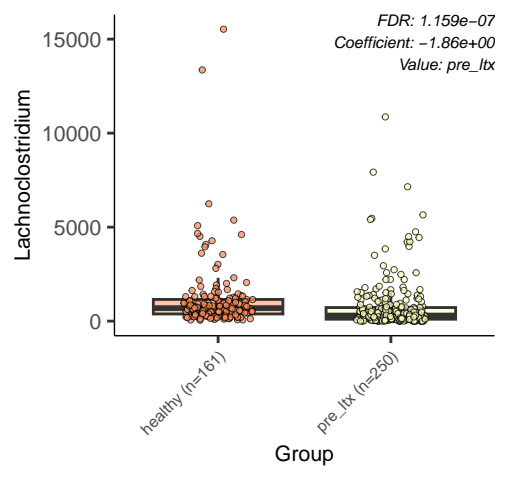
0

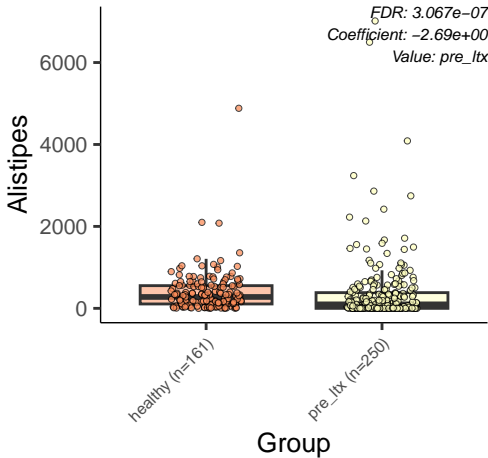
healthy (n=161)

pre\_ltx (n=250)

Group

FDR:  $1.159\text{e-}07$   
Coefficient:  $-1.86\text{e}+00$   
Value: *pre\_ltx*







Colidextribacter

*FDR: 3.384e-07*

*Coefficient: -2.66e+00*

*Value: pre\_ltx*

1500

1000

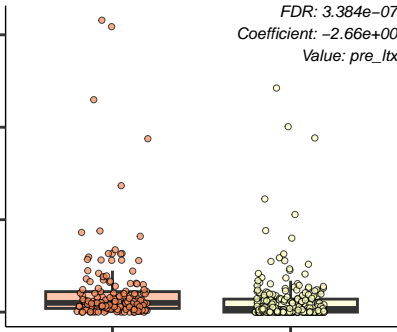
500

0

healthy (n=161)

pre\_ltx (n=250)

Group





FDR: 3.424e-07  
Coefficient: 2.62e+00  
Value: pre\_ltx

healthy (n=161)

pre\_ltx (n=250)

Group

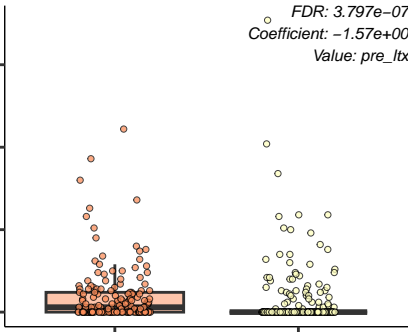
Family\_XIII\_UCG.001

*FDR: 3.797e-07*  
*Coefficient: -1.57e+00*  
*Value: pre\_ltx*

healthy (n=161)

pre\_ltx (n=250)

Group



Gastranaerophilales

1500

1000

500

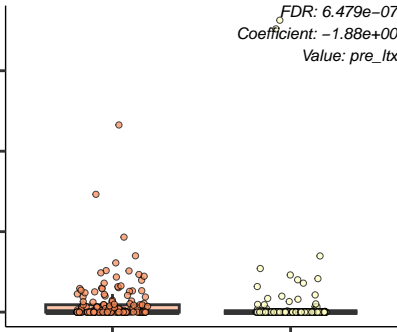
0

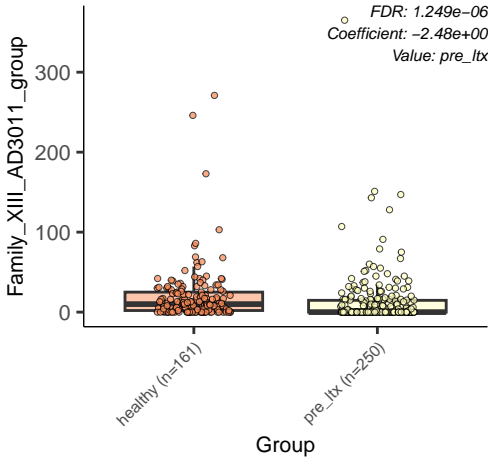
healthy (n=161)

pre\_ltx (n=250)

Group

FDR:  $6.479e-07$   
Coefficient:  $-1.88e+00$   
Value: pre\_ltx





Oscillibacter

2000

1000

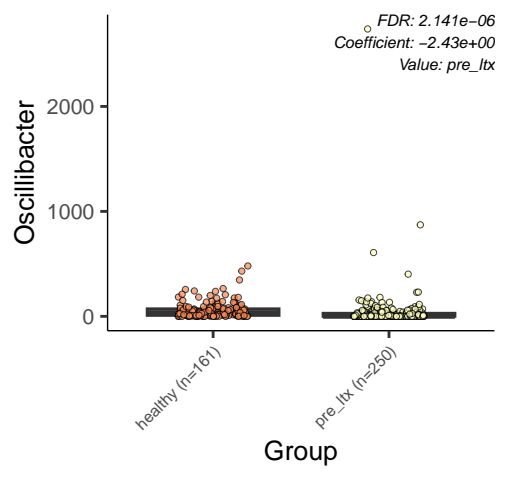
0

healthy (n=161)

pre\_ltx (n=250)

Group

*FDR: 2.141e-06*  
*Coefficient: -2.43e+00*  
*Value: pre\_ltx*



f\_Oscillospiraceae.g\_\_uncultured

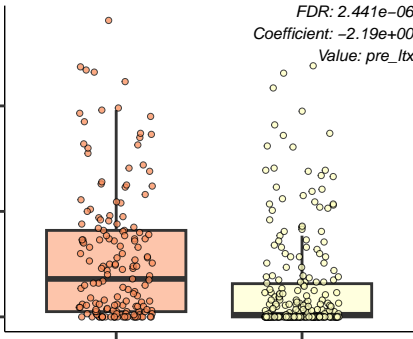
200  
100  
0

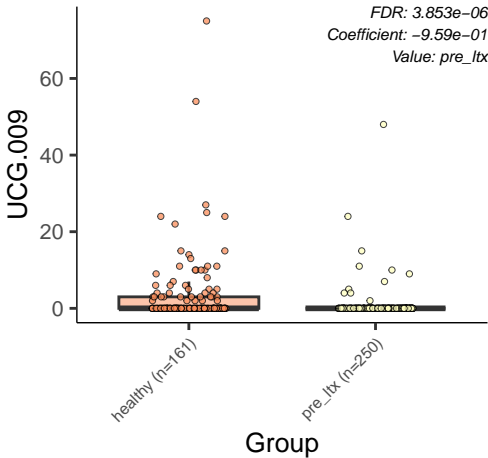
healthy (n=161)

pre\_ltx (n=250)

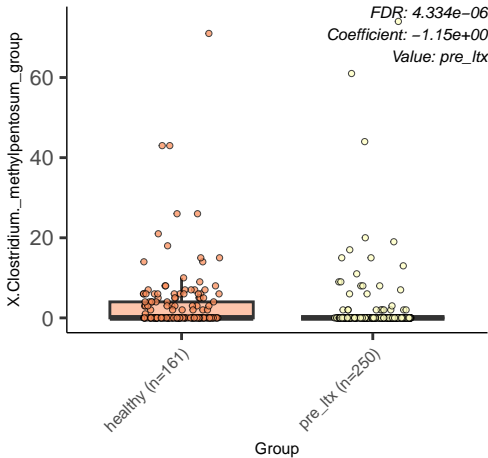
Group

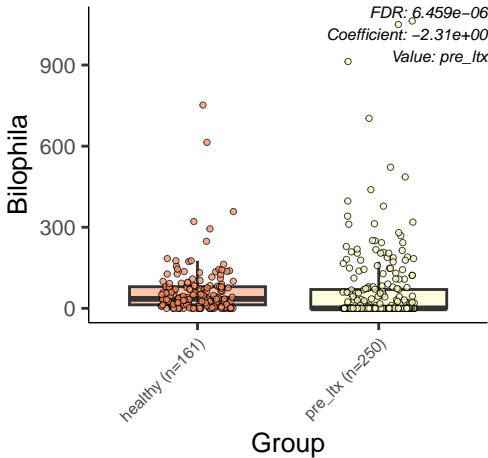
FDR: 2.441e-06  
Coefficient: -2.19e+00  
Value: pre\_ltx











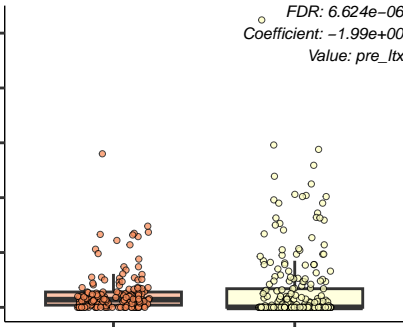
GCA.900066575

FDR: 6.624e-06  
Coefficient: -1.99e+00  
Value: pre\_ltx

healthy (n=161)

pre\_ltx (n=250)

Group



CAG.56

FDR:  $8.944e-06$   
Coefficient:  $-2.68e+00$   
Value: *pre\_ltx*

healthy (n=161)

pre\_ltx (n=250)

Group

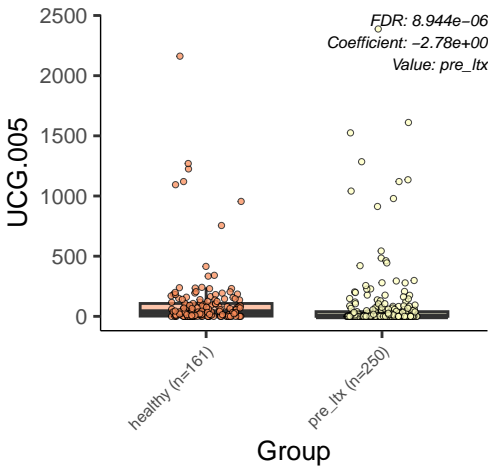
4000

3000

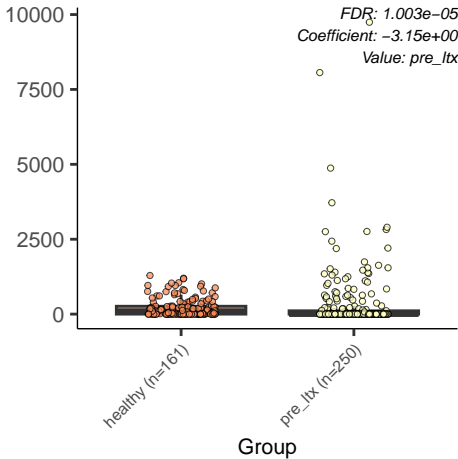
2000

1000

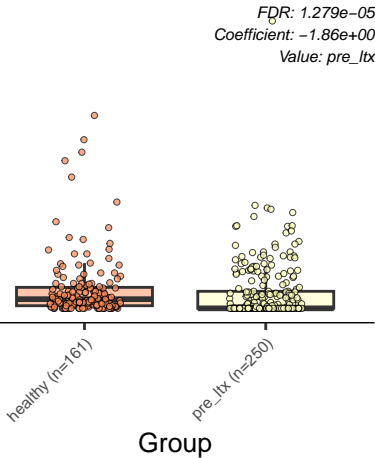
0

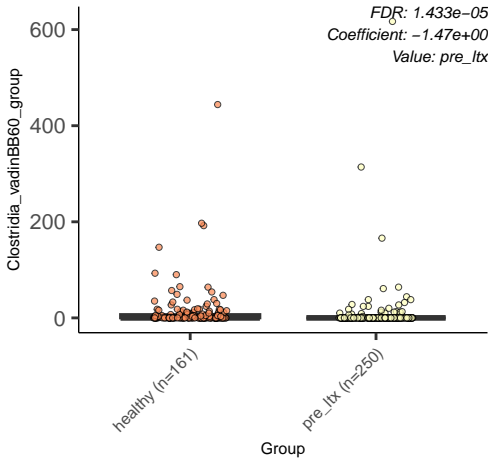


Phascolarctobacterium



Marvinbryantia







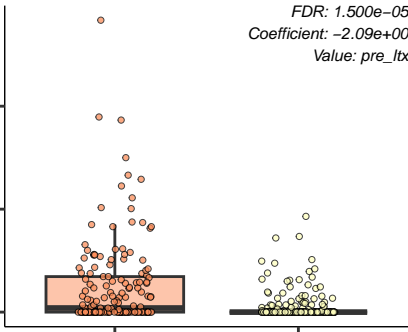
Senegalimassilia

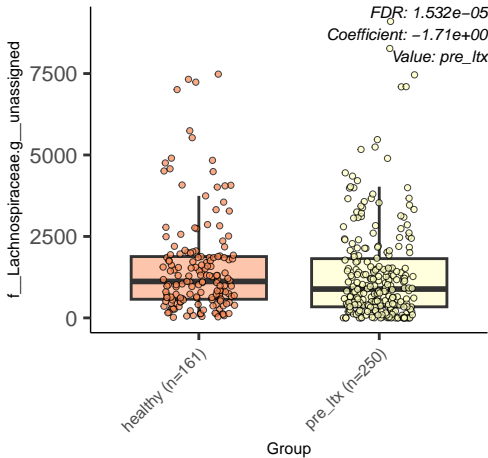
*FDR: 1.500e-05*  
*Coefficient: -2.09e+00*  
*Value: pre\_ltx*

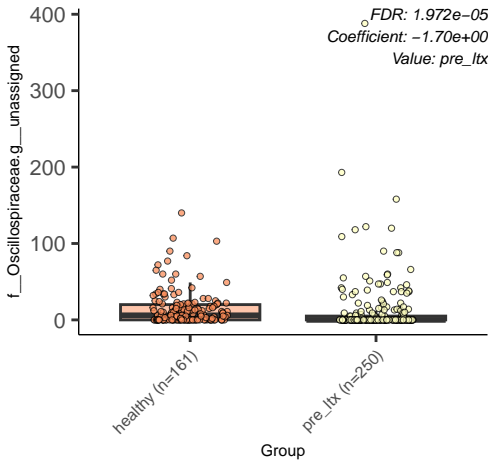
healthy (n=161)

pre\_ltx (n=250)

Group







Collinsella

3000

2000

1000

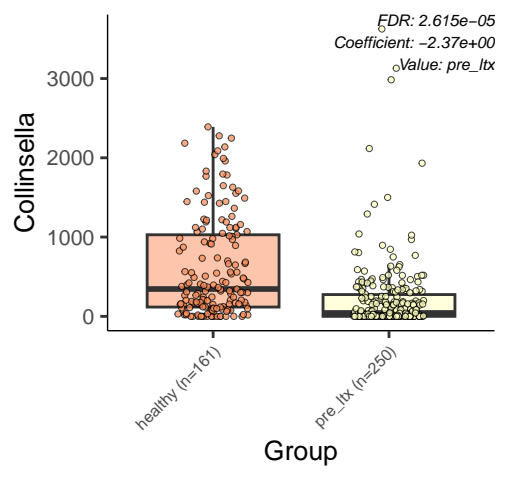
0

healthy (n=161)

pre\_ltx (n=250)

Group

FDR: 2.615e-05  
Coefficient: -2.37e+00  
Value: pre\_ltx



f\_\_Peptococcaceae.g\_\_uncultured

FDR: 3.529e-05  
Coefficient: -1.29e+00  
Value: pre\_ltx

600

400

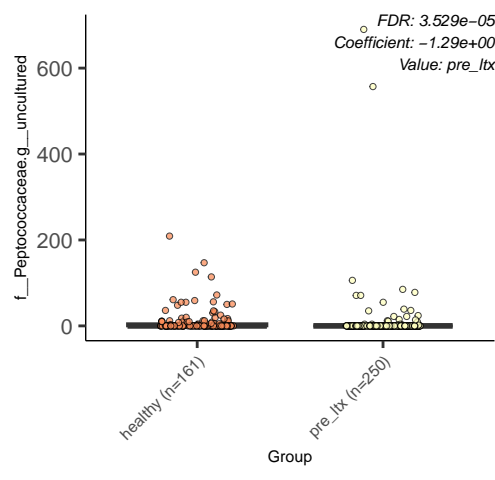
200

0

healthy (n=161)

pre\_ltx (n=250)

Group



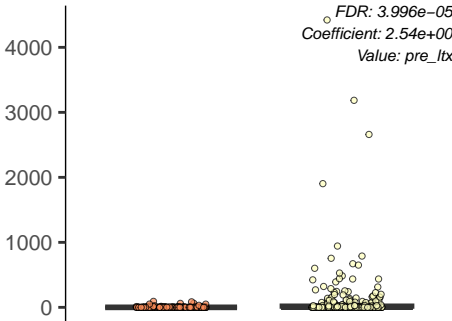
Hungatella

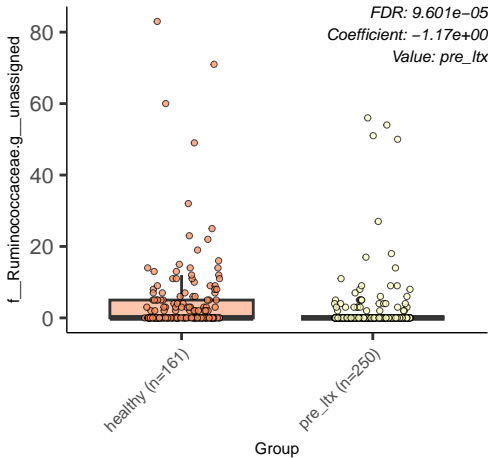
FDR:  $3.996e-05$   
Coefficient:  $2.54e+00$   
Value: *pre\_ltx*

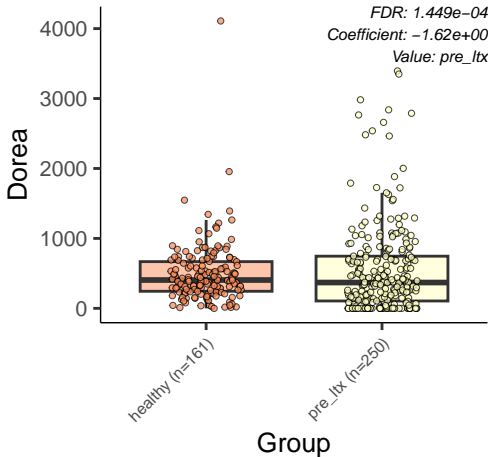
healthy (n=161)

pre\_ltx (n=250)

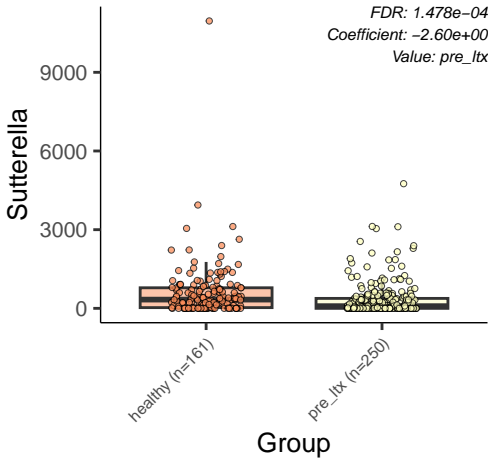
Group











Flavonifractor

healthy (n=161)

pre\_ltx (n=250)

Group

FDR:  $3.495e-04$   
Coefficient:  $-1.91e+00$   
Value: *pre\_ltx*

600

400

200

0

Haemophilus

2000

1000

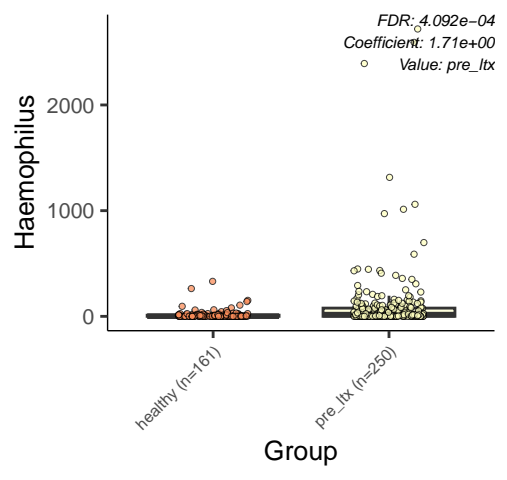
0

healthy (n=161)

pre\_ltx (n=250)

Group

FDR:  $4.092 \times 10^{-4}$   
Coefficient:  $1.71 \times 10^0$   
Value: pre\_ltx



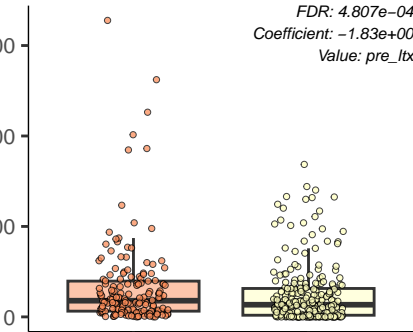
X.Ruminococcus.\_torques\_group

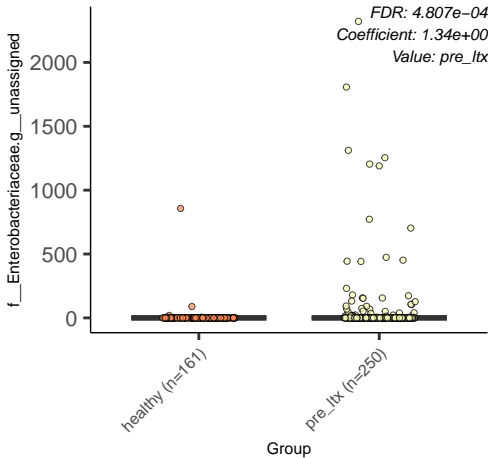
*FDR: 4.807e-04*  
*Coefficient: -1.83e+00*  
*Value: pre\_ltx*

healthy (n=161)

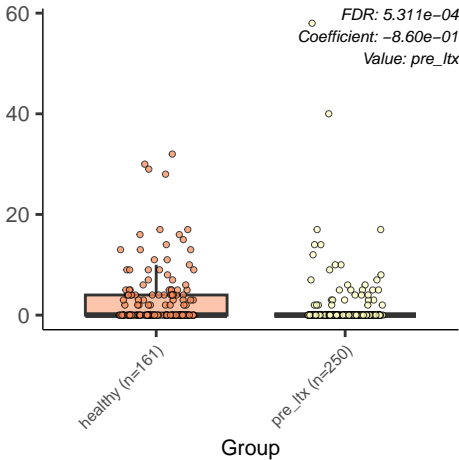
pre\_ltx (n=250)

Group





Candidatus\_Soleaferrea



Coprobacter

1000

500

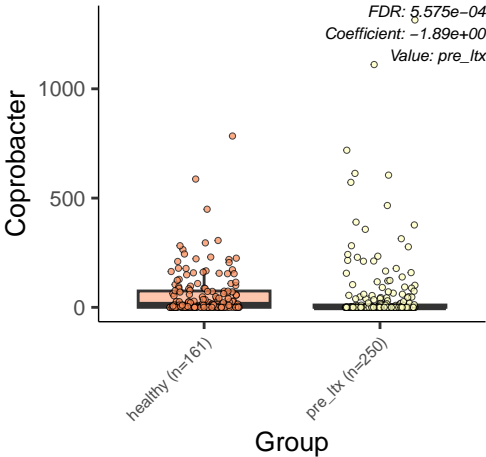
0

healthy (n=161)

pre\_ltx (n=250)

Group

FDR:  $5.575e-04$   
Coefficient:  $-1.89e+00$   
Value: pre\_ltx



UCG.002

2000

1000

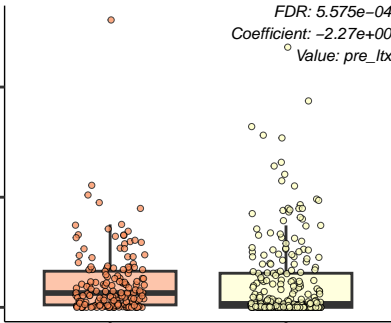
0

healthy (n=161)

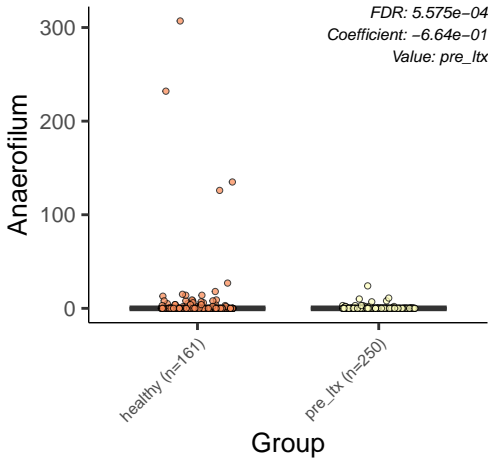
pre\_ltx (n=250)

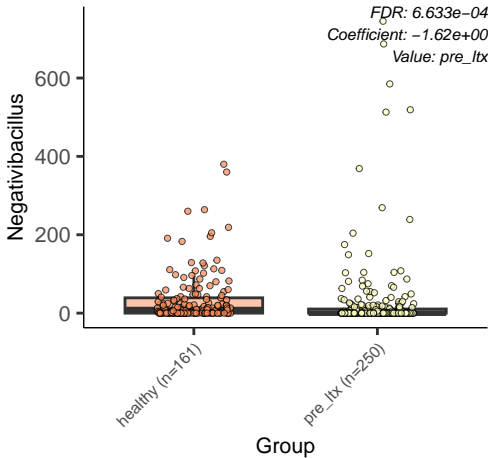
Group

*FDR: 5.575e-04*  
*Coefficient: -2.27e+00*  
*Value: pre\_ltx*









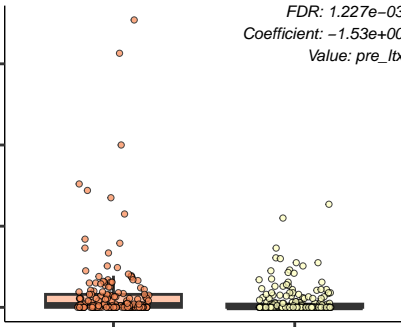
Adlercreutzia

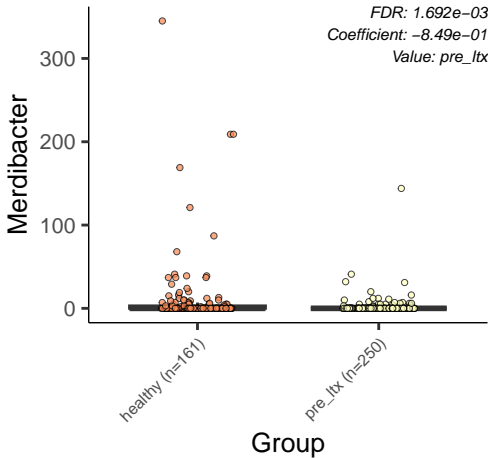
FDR:  $1.227\text{e-}03$   
Coefficient:  $-1.53\text{e}+00$   
Value: *pre\_ltx*

healthy (n=161)

pre\_ltx (n=250)

Group





Faecalibacterium

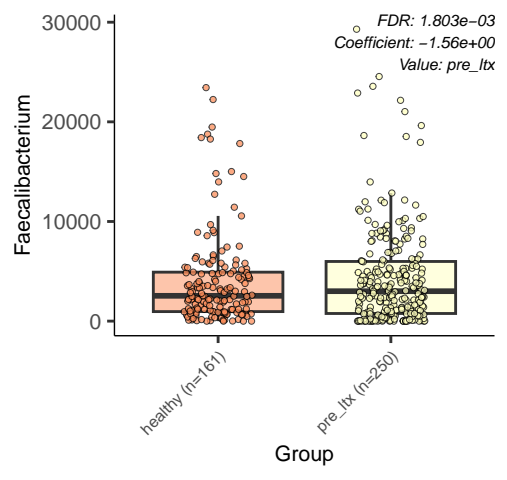
30000  
20000  
10000  
0

healthy (n=161)

pre\_ltx (n=250)

Group

*FDR: 1.803e-03*  
*Coefficient: -1.56e+00*  
*Value: pre\_ltx*



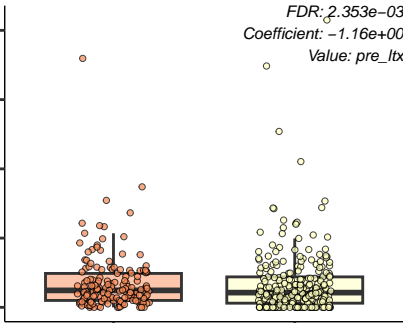
Incertae\_Sedis

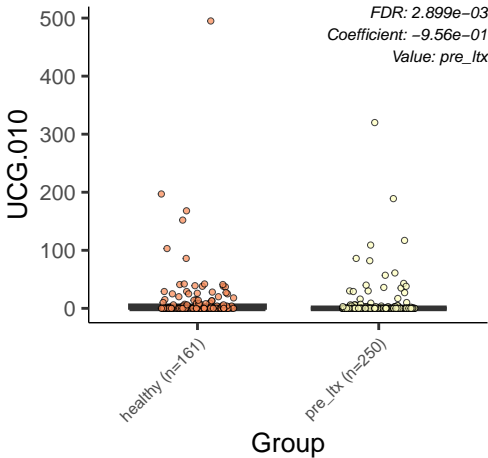
FDR:  $2.353e-03$   
Coefficient:  $-1.16e+00$   
Value: *pre\_ltx*

healthy (n=161)

pre\_ltx (n=250)

Group





Dialister

1500

1000

500

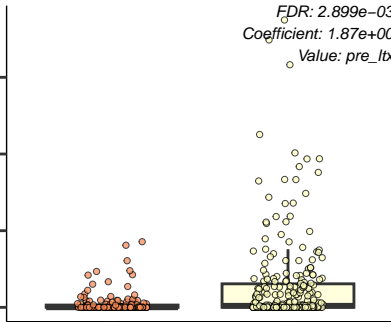
0

healthy (n=161)

pre\_ltx (n=250)

Group

FDR: 2.899e-03  
Coefficient: 1.87e+00  
Value: pre\_ltx





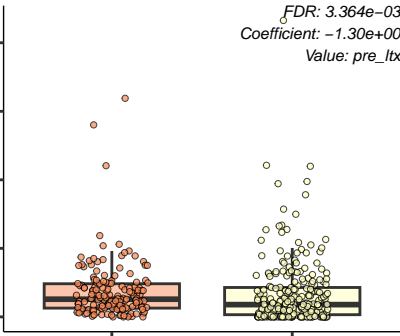
X.Eubacterium.\_hallii\_group

FDR:  $3.364e-03$   
Coefficient:  $-1.30e+00$   
Value: pre\_ltx

healthy (n=161)

pre\_ltx (n=250)

Group



Streptococcus

20000

15000

10000

5000

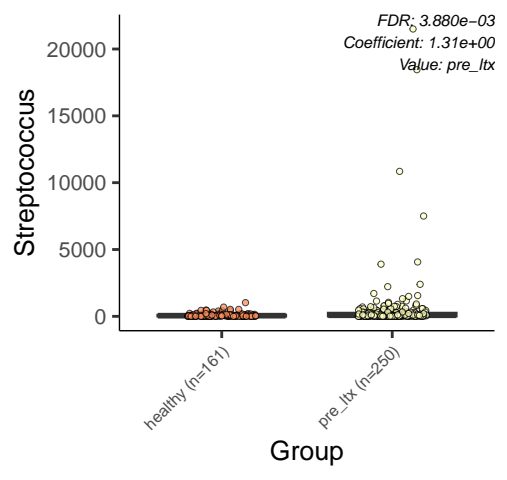
0

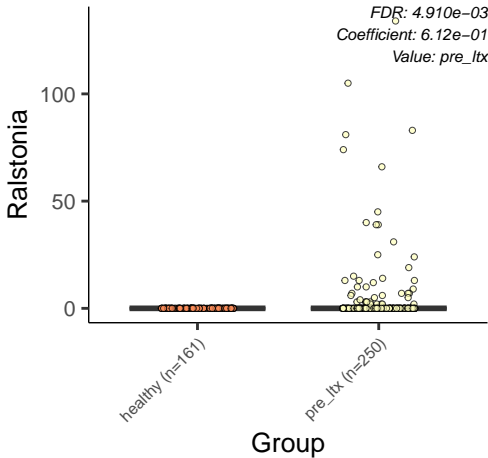
healthy (n=161)

pre\_ltx (n=250)

Group

*FDR: 3.880e-03*  
*Coefficient: 1.31e+00*  
*Value: pre\_ltx*





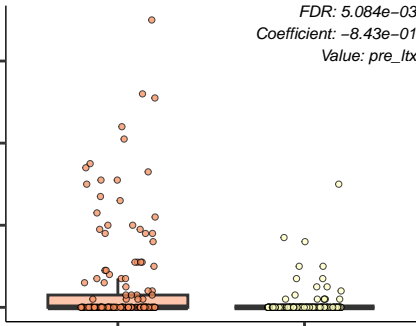
Enterorhabdus

*FDR: 5.084e-03*  
*Coefficient: -8.43e-01*  
*Value: pre\_ltx*

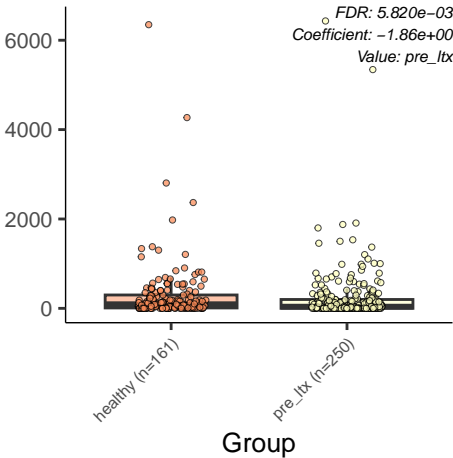
healthy (n=161)

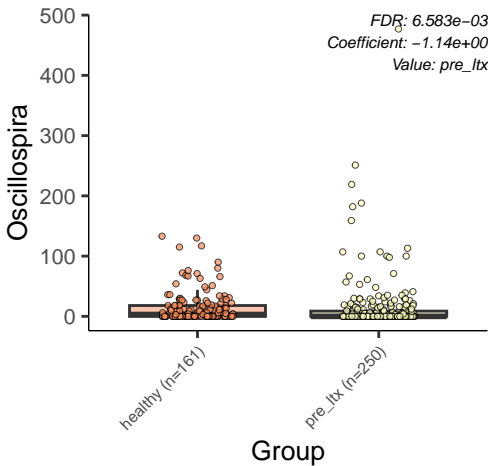
pre\_ltx (n=250)

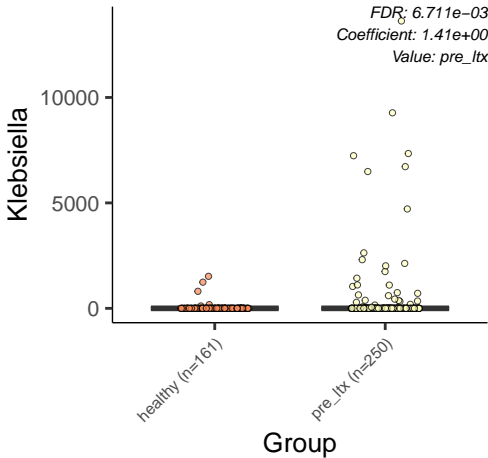
Group

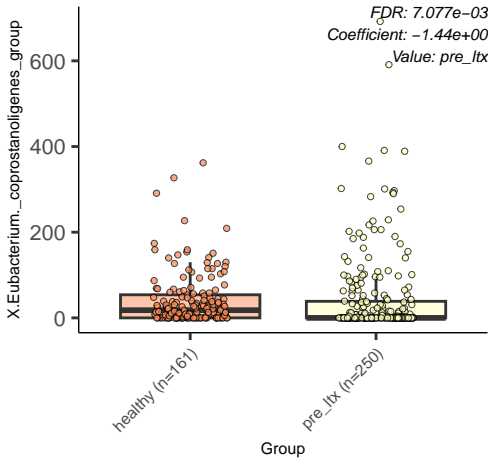


Agathobacter



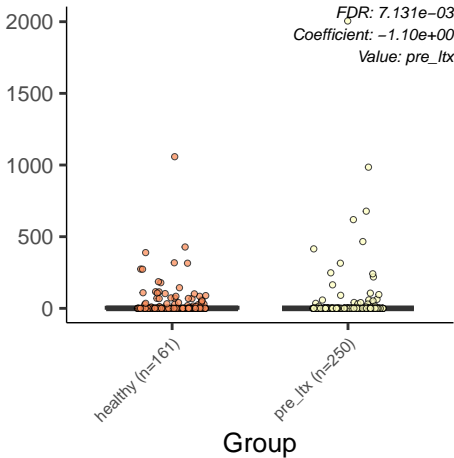


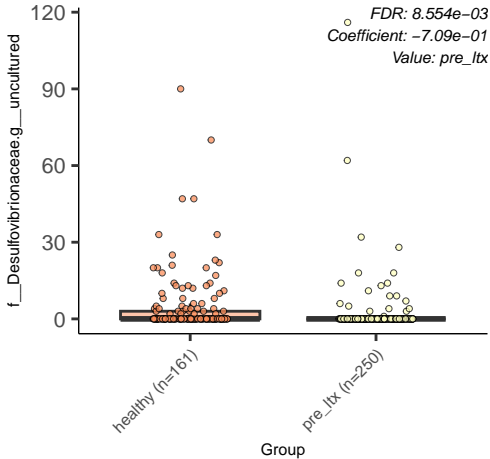


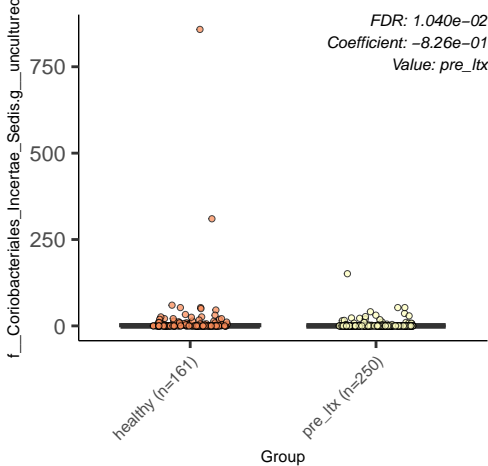




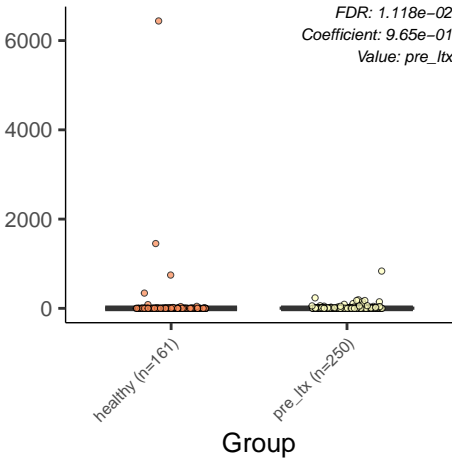
Muribaculaceae

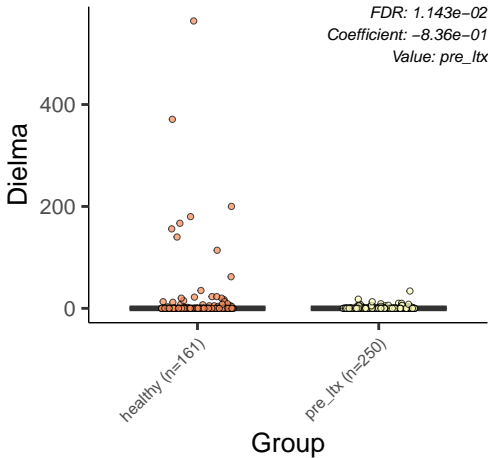


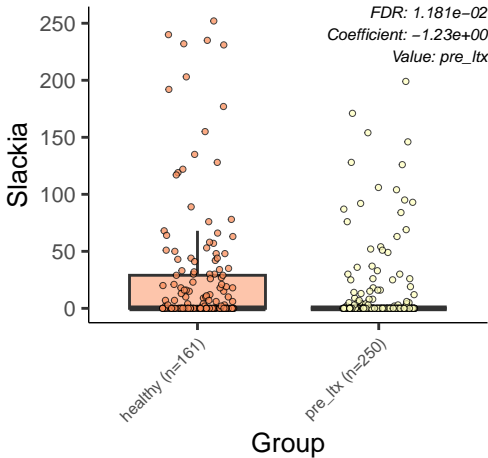




Pseudomonas







Veillonellaceae

FDR:  $1.189 \times 10^{-2}$   
Coefficient:  $6.62 \times 10^{-1}$   
Value: pre\_ltx

healthy (n=161)

pre\_ltx (n=250)

Group

750

500

250

0

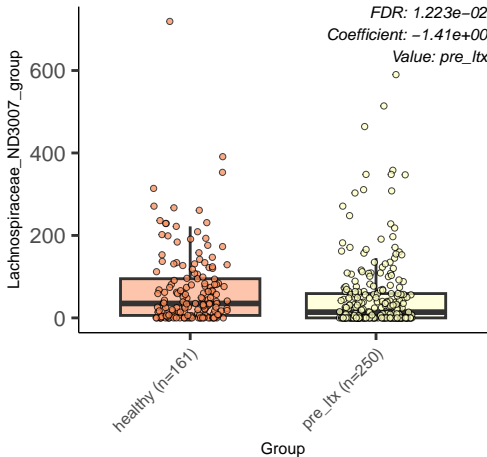
Lachnospiraceae\_ND3007\_group

FDR: 1.223e-02  
Coefficient: -1.41e+00  
Value: pre\_ltx

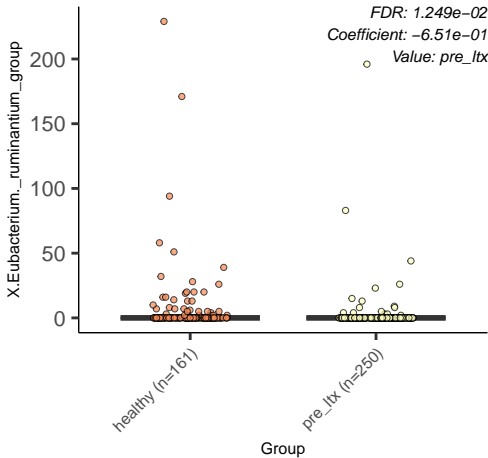
healthy (n=161)

pre\_ltx (n=250)

Group







Intestinibacter

10000

5000

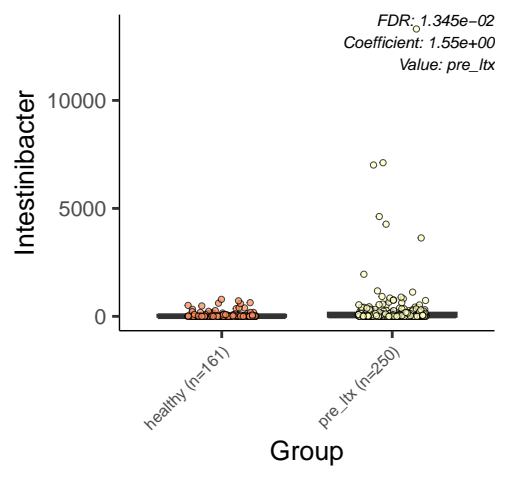
0

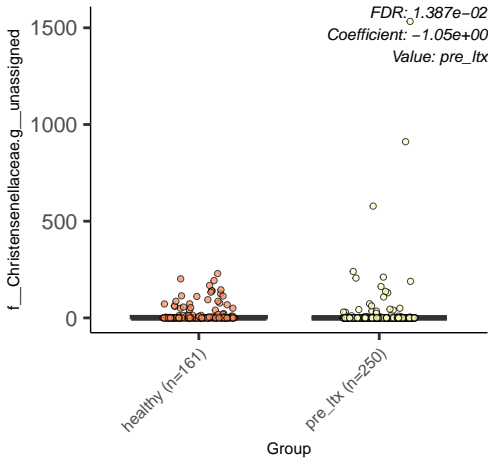
healthy (n=161)

pre\_ltx (n=250)

Group

FDR:  $1.345e-02$   
Coefficient:  $1.55e+00$   
Value: pre\_ltx





Fusicatenibacter

7500

5000

2500

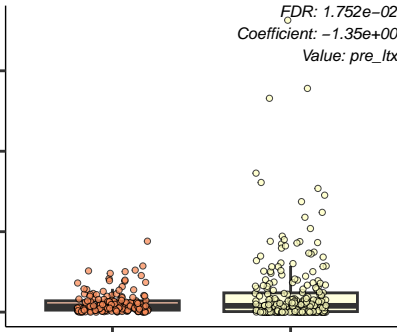
0

healthy (n=161)

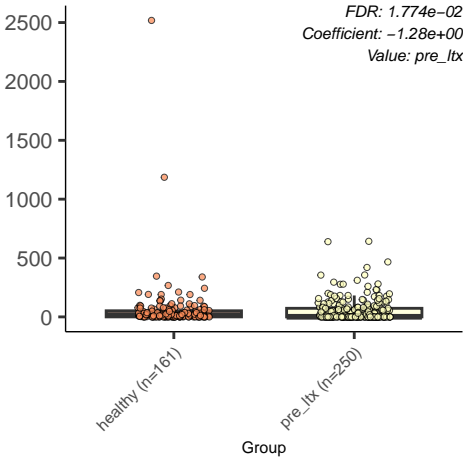
pre\_ltx (n=250)

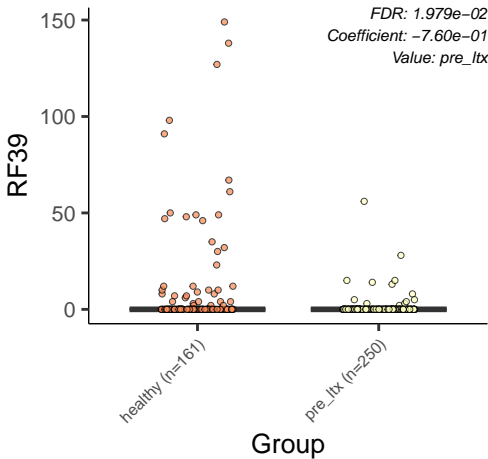
Group

*FDR: 1.752e-02*  
*Coefficient: -1.35e+00*  
*Value: pre\_ltx*



Lachnospiraceae\_NK4A136\_group





Parasutterella

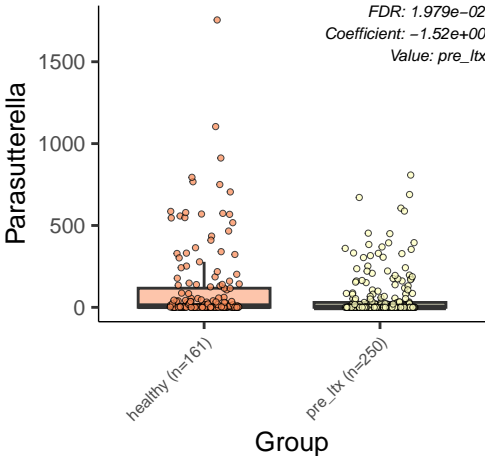
1500  
1000  
500  
0

healthy (n=161)

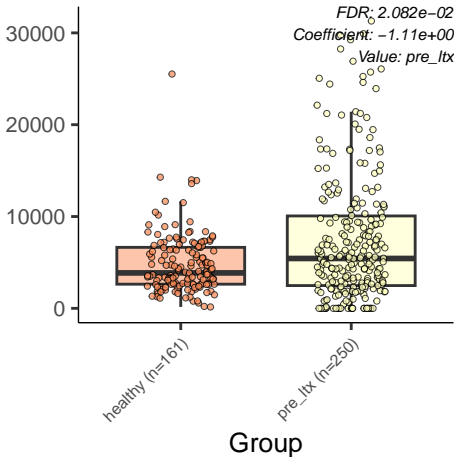
pre\_ltx (n=250)

Group

FDR:  $1.979\text{e-}02$   
Coefficient:  $-1.52\text{e}+00$   
Value: pre\_ltx

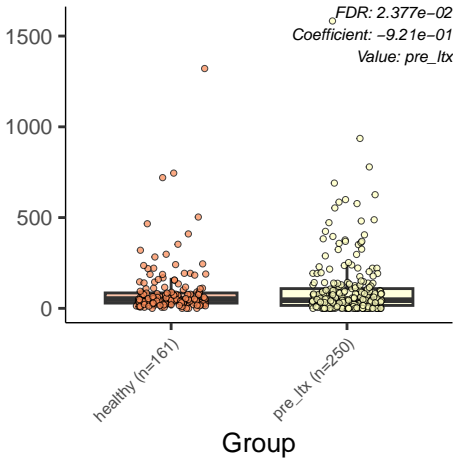


Bacteroides





Butyricoccus



Pseudoflavonifractor

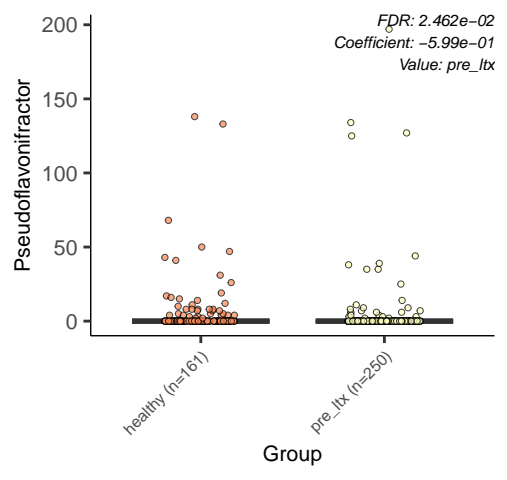
200  
150  
100  
50  
0

$FDR: 2.462e-02$   
 $Coefficient: -5.99e-01$   
 $Value: pre\_ltx$

healthy (n=161)

pre\_ltx (n=250)

Group



Peptococcus

200

100

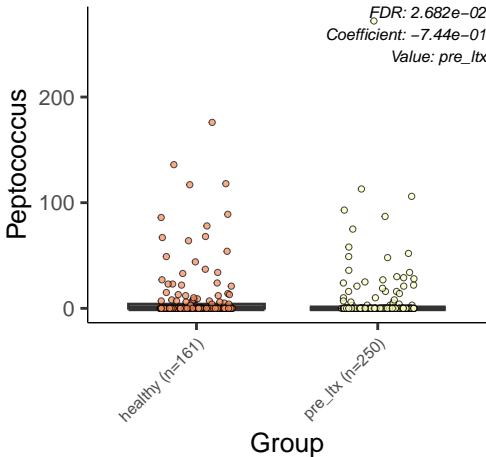
0

healthy (n=161)

pre\_ltx (n=250)

Group

FDR:  $2.682e-02$   
Coefficient:  $-7.44e-01$   
Value: *pre\_ltx*



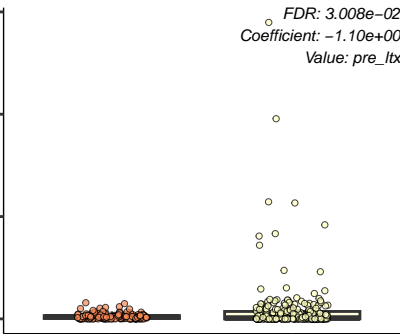
Lachnospiraceae\_FCS020\_group

*FDR: 3.008e-02*  
*Coefficient: -1.10e+00*  
*Value: pre\_ltx*

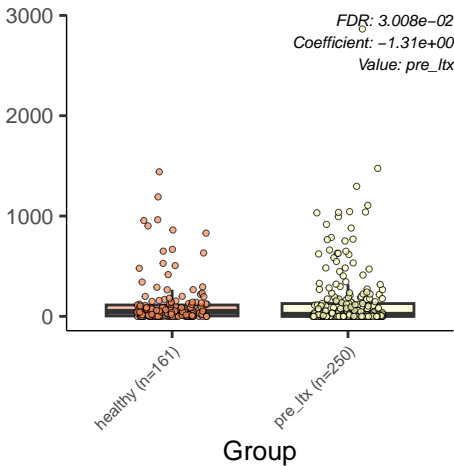
healthy (n=161)

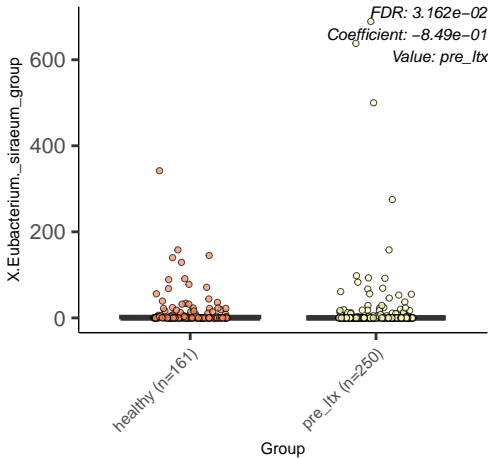
pre\_ltx (n=250)

Group

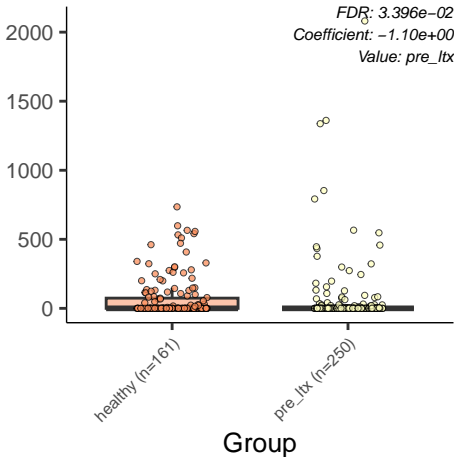


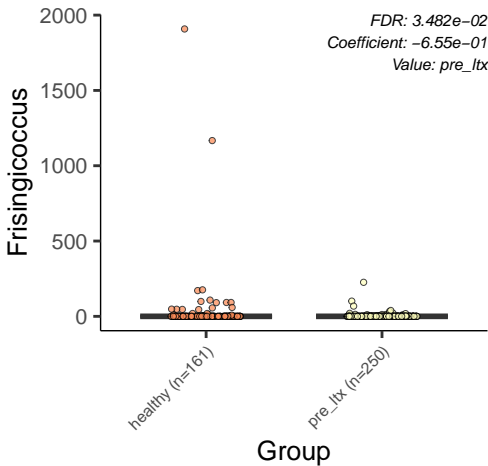
Ruminococcus





Holdemanella







Romboutsia

*FDR: 3.698e-02*  
*Coefficient: -1.04e+00*  
*Value: pre\_ltx*

1500

1000

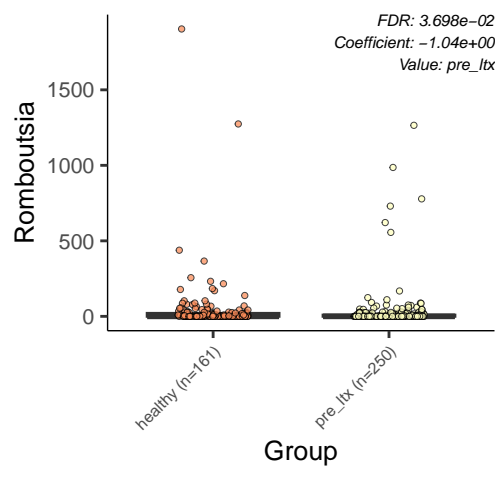
500

0

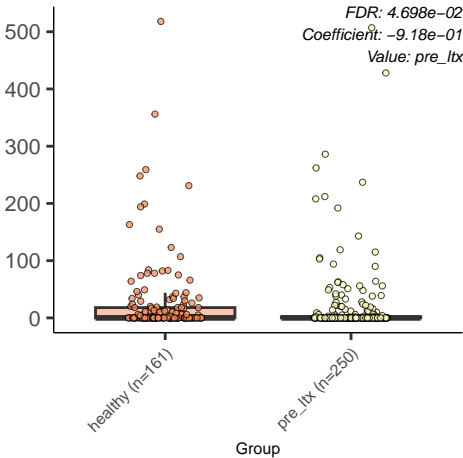
healthy (n=161)

pre\_ltx (n=250)

Group



f\_Eggerthellaceae.g\_\_uncultured



Rothia

150

100

50

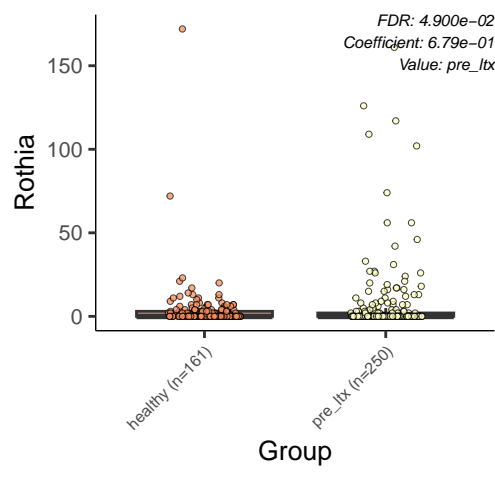
0

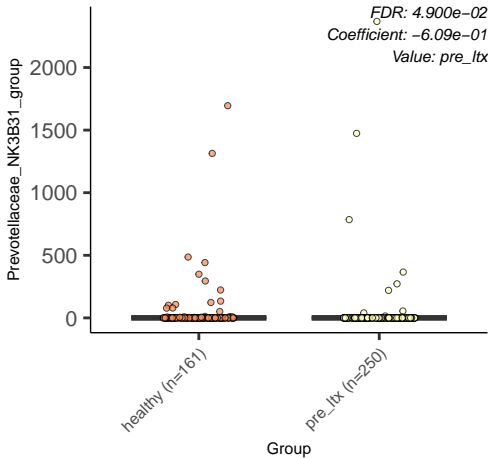
healthy (n=161)

pre\_ltx (n=250)

Group

FDR: 4.900e-02  
Coefficient: 6.79e-01  
Value: pre\_ltx





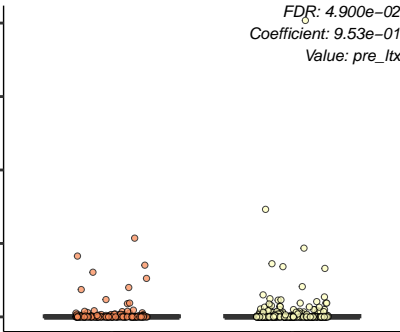
X.Clostridium.\_innocuum\_group

*FDR: 4.900e-02*  
*Coefficient: 9.53e-01*  
*Value: pre\_ltx*

healthy (n=161)

pre\_ltx (n=250)

Group



Paraprevotella

2000

1500

1000

500

0

healthy (n=161)

pre\_ltx (n=250)

Group

FDR:  $4.959e-02$   
Coefficient:  $-9.82e-01$   
Value: pre\_ltx

