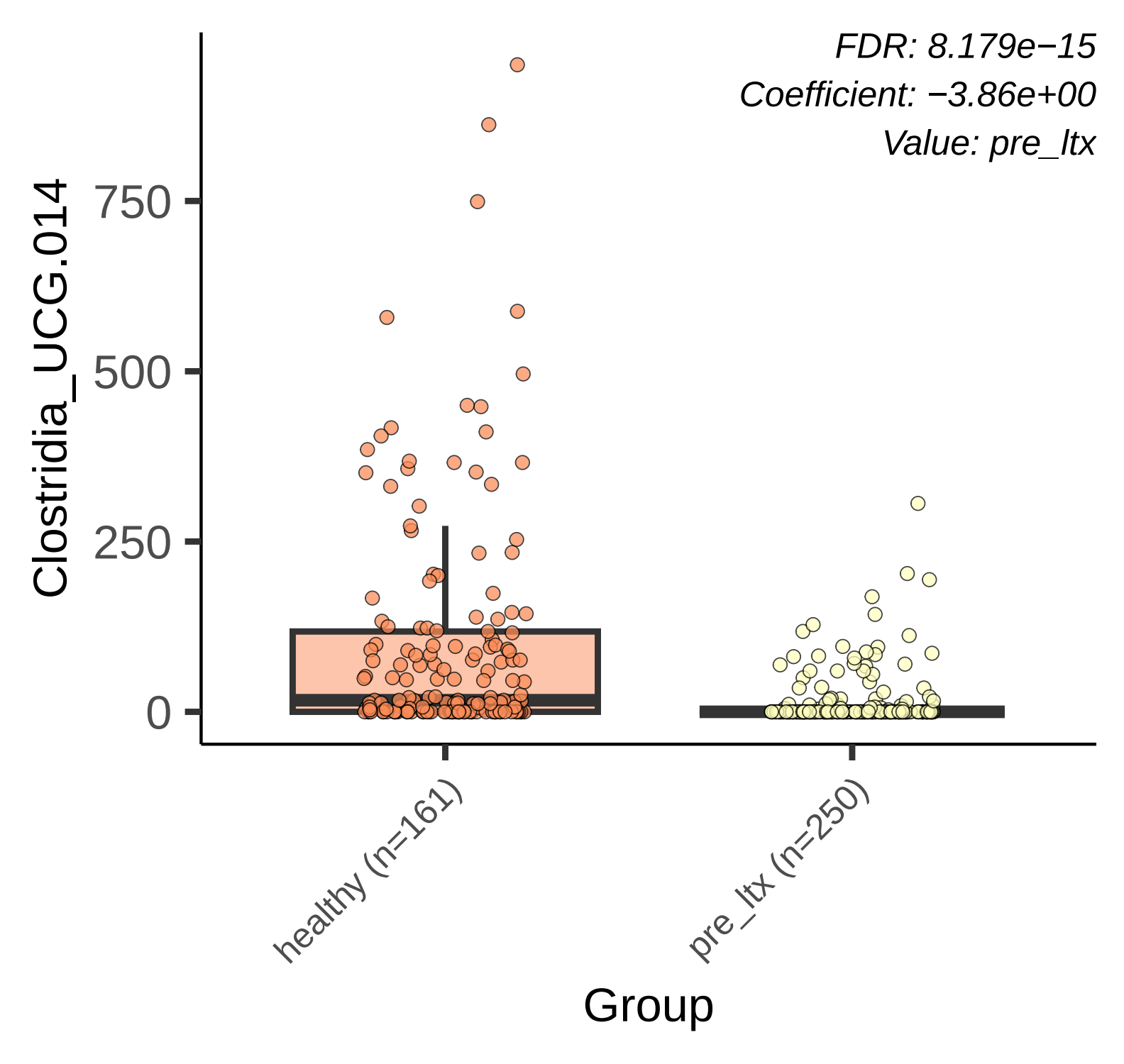
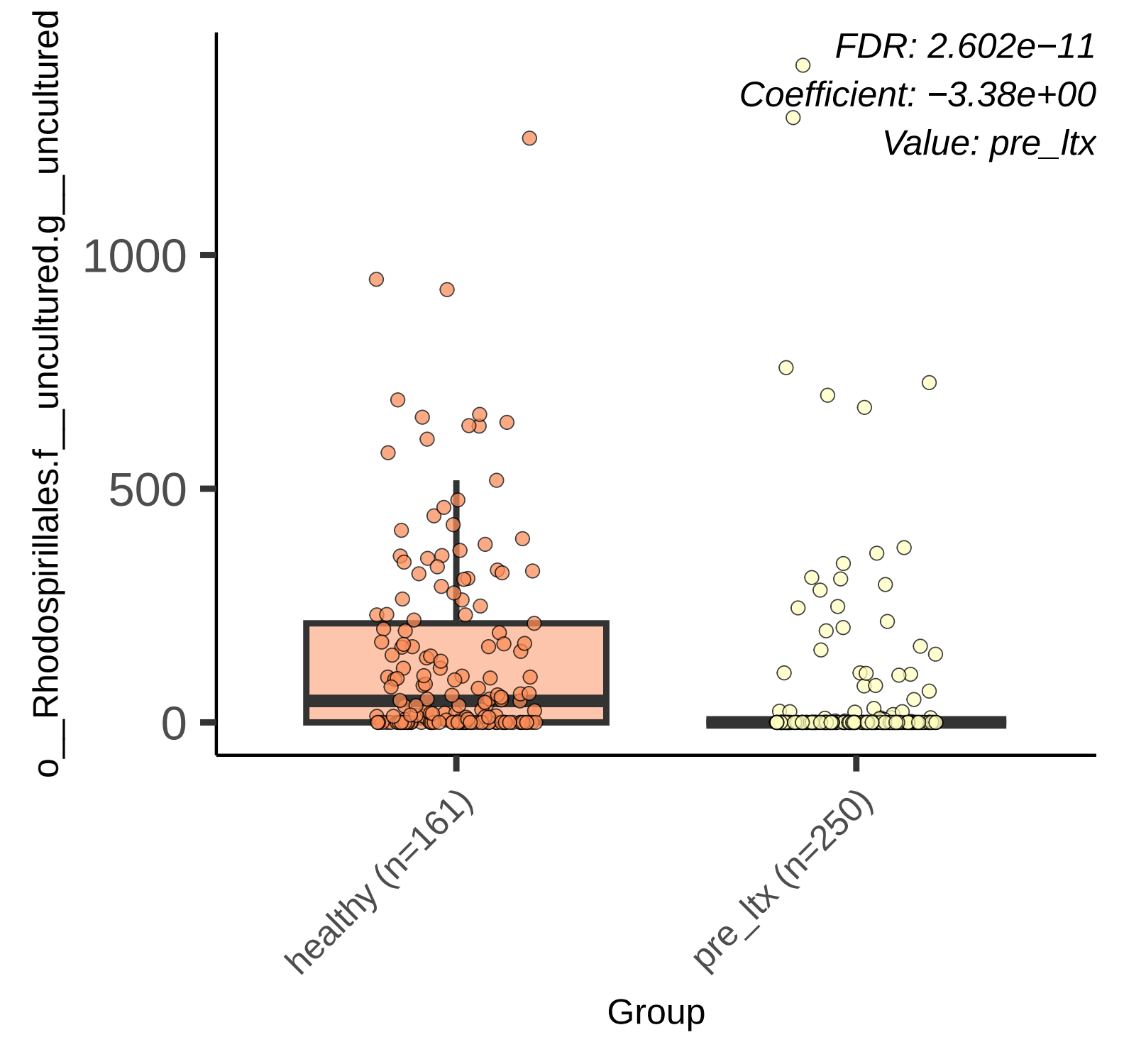
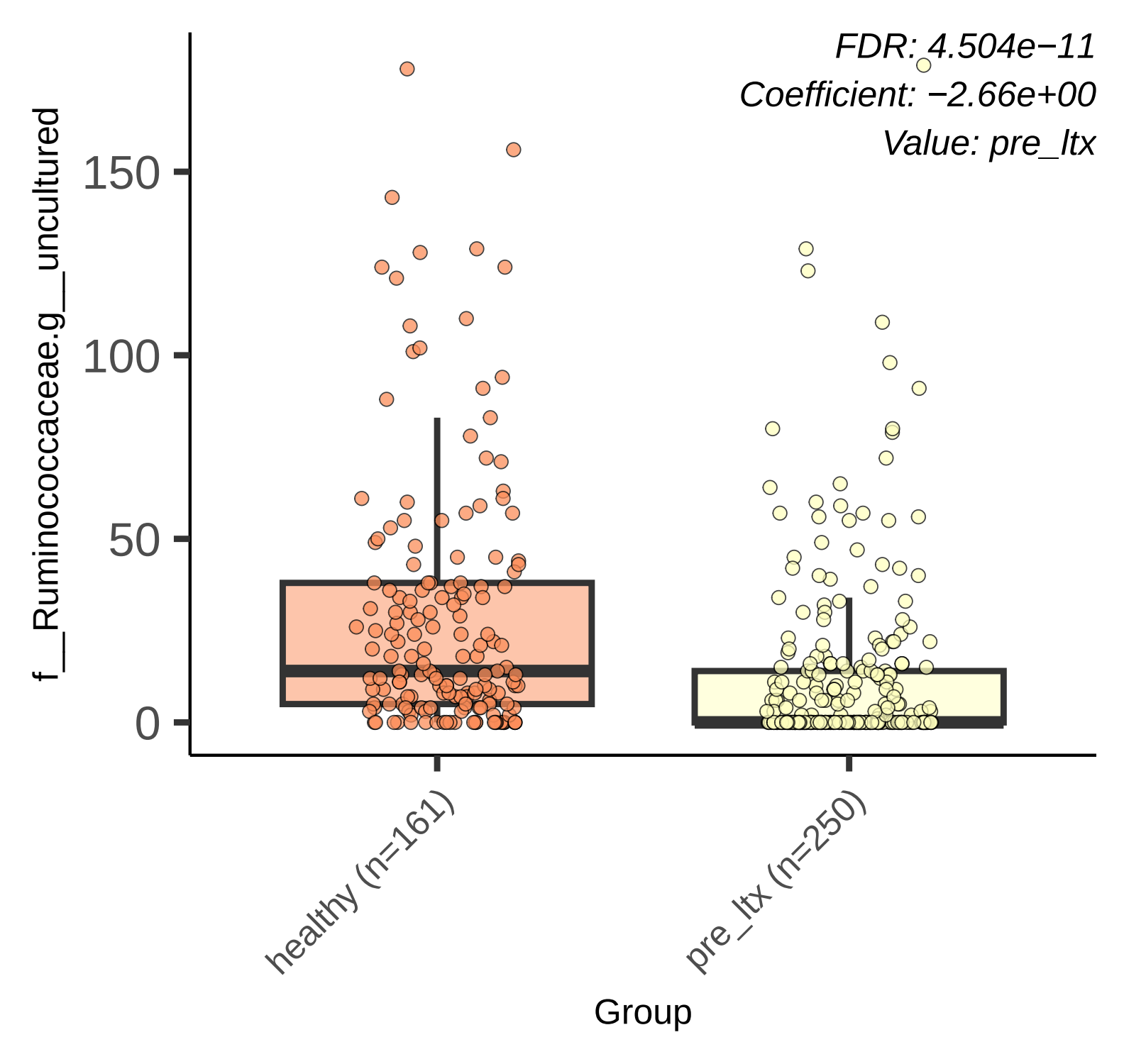
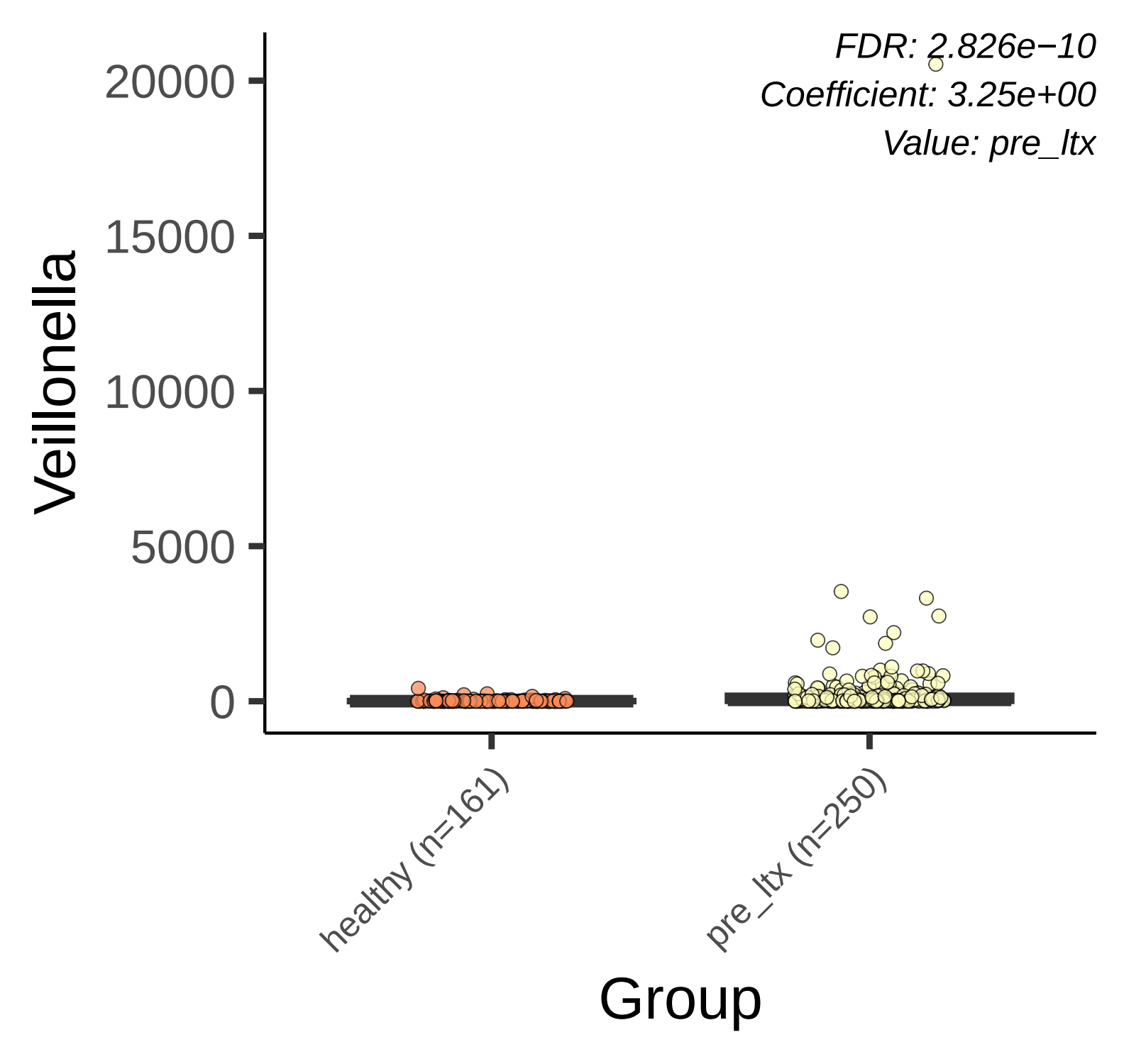
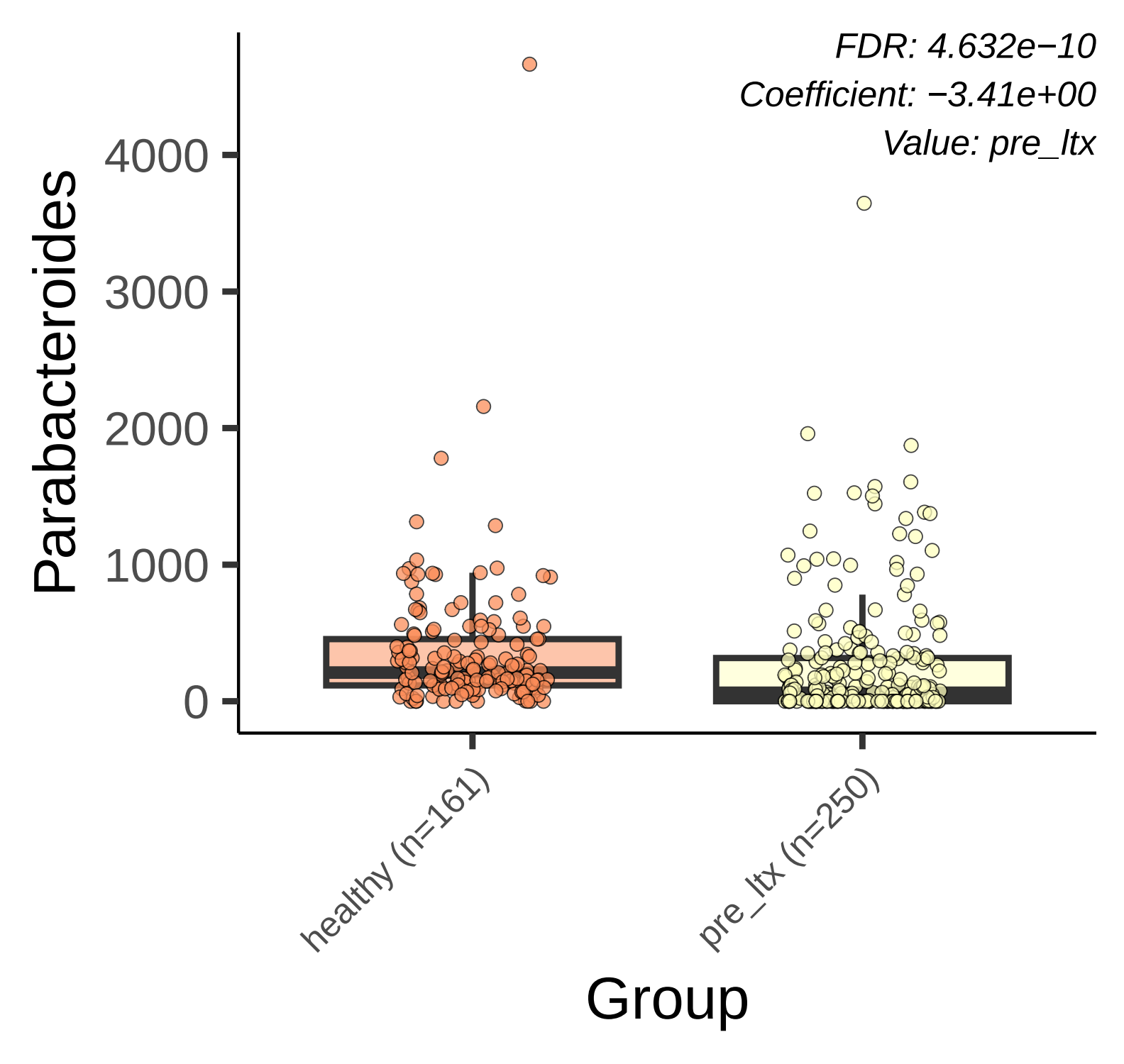
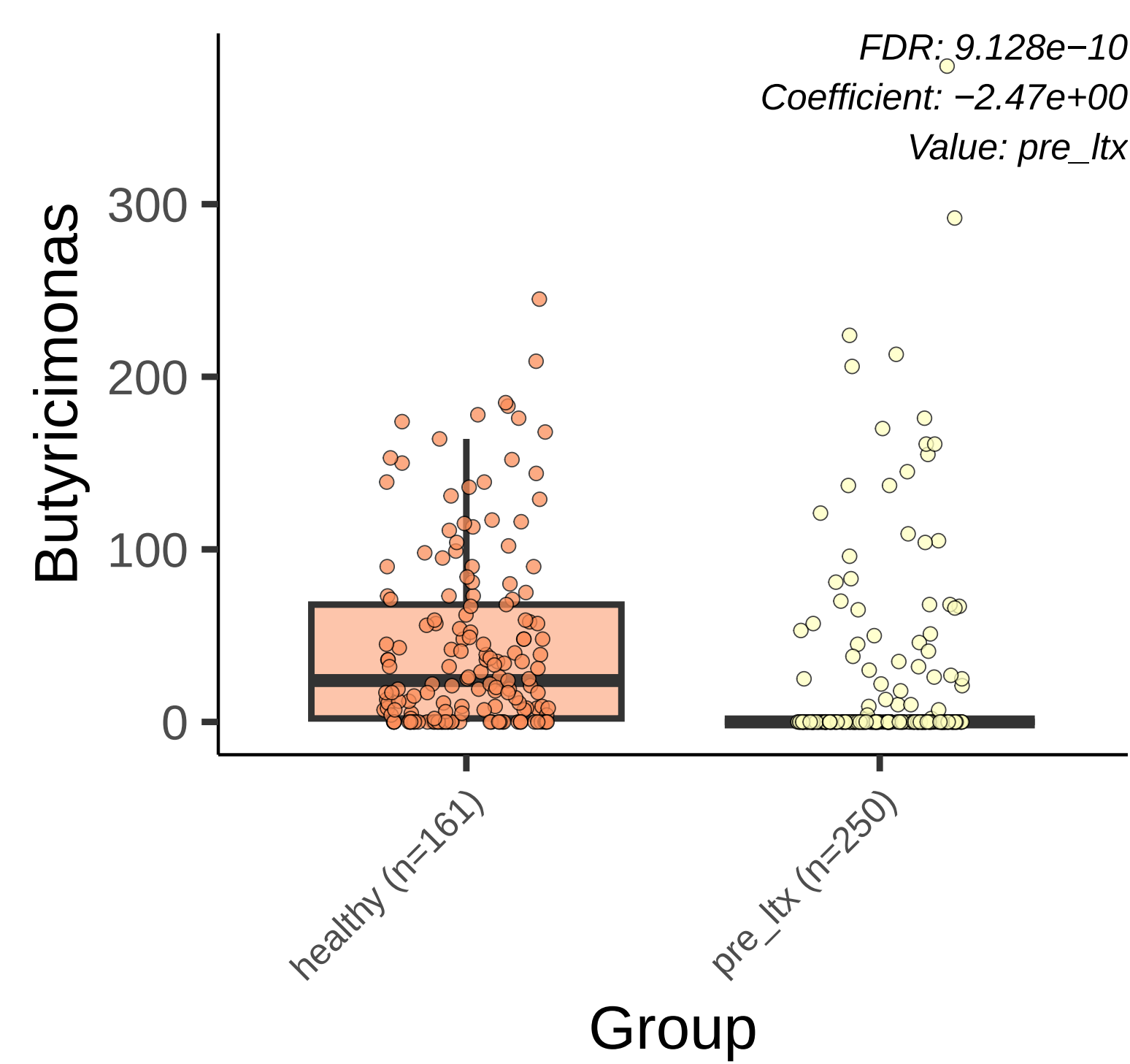

FDR: 8.179e−15
Coefficient: −3.86e+00
Value: pre_ltx
Clostridia_UCG.014
750
500
250
0
healthy (n=161)
pre_ltx (n=250)
Group

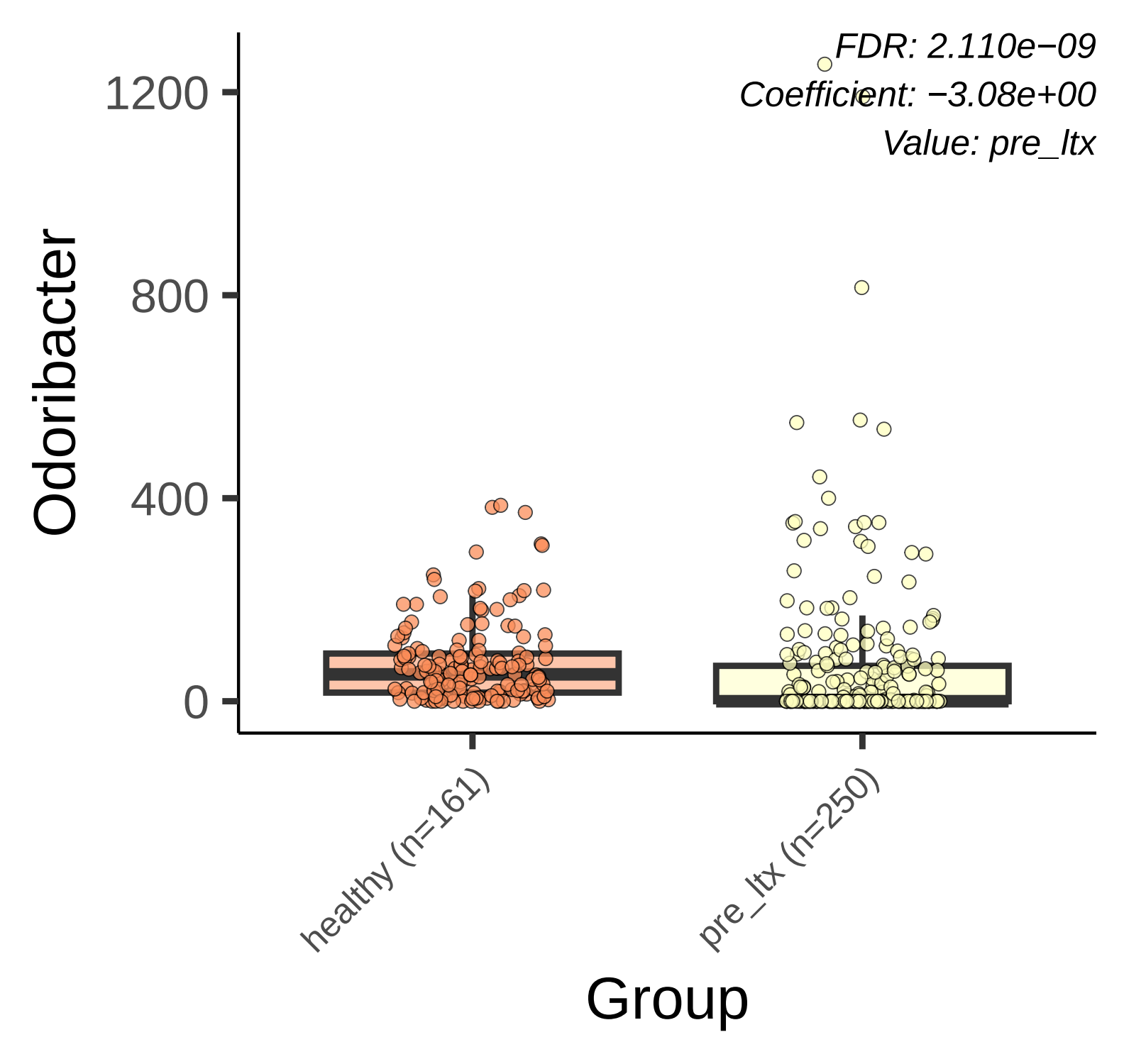

FDR: 2.602e−11
Coefficient: −3.38e+00
Value: pre_ltx
o__Rhodospirillales.f__uncultured.g__uncultured
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

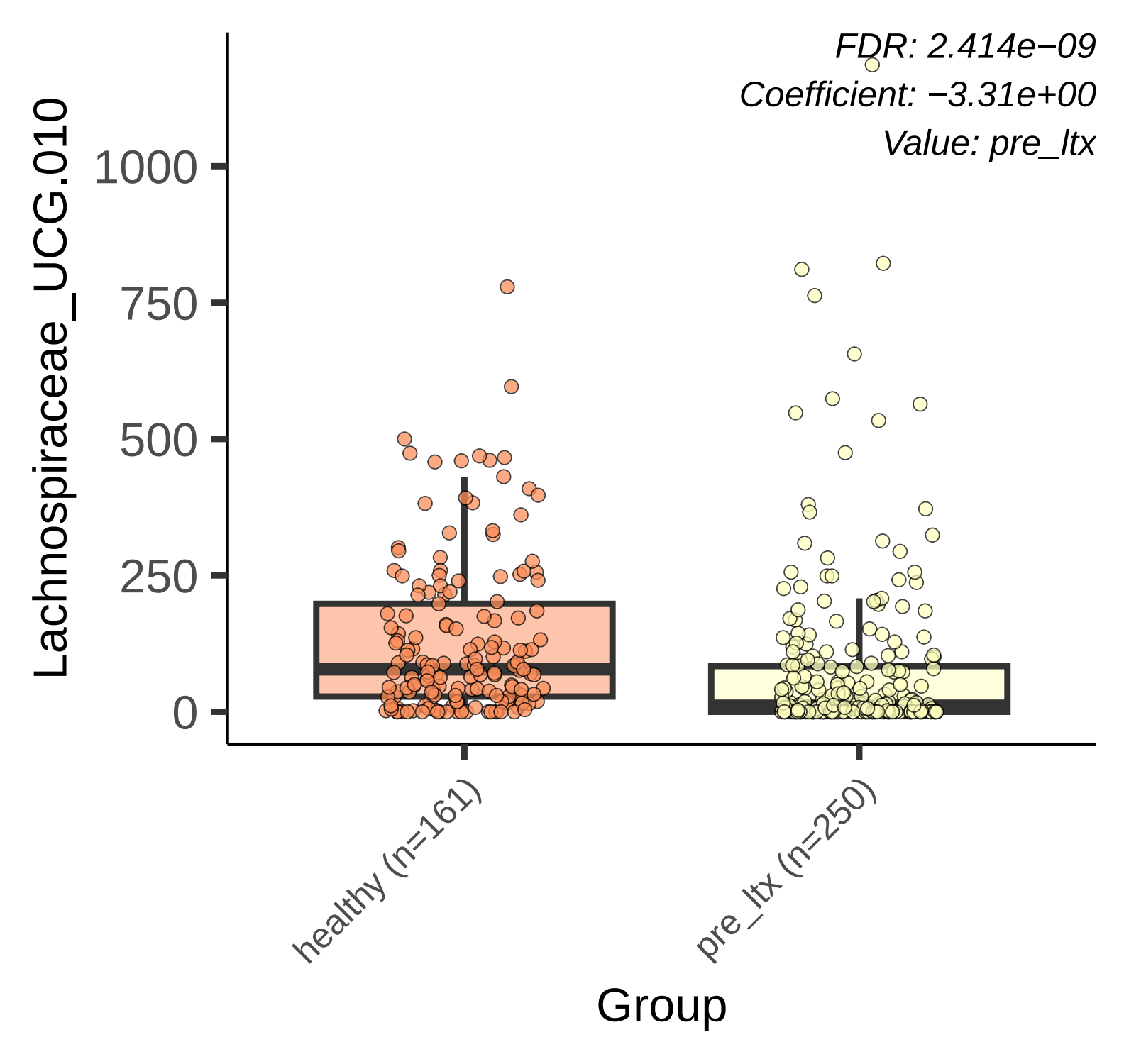

FDR: 4.504e−11
Coefficient: −2.66e+00
Value: pre_ltx
f__Ruminococcaceae.g__uncultured
150
100
50
0
healthy (n=161)
pre_ltx (n=250)
Group

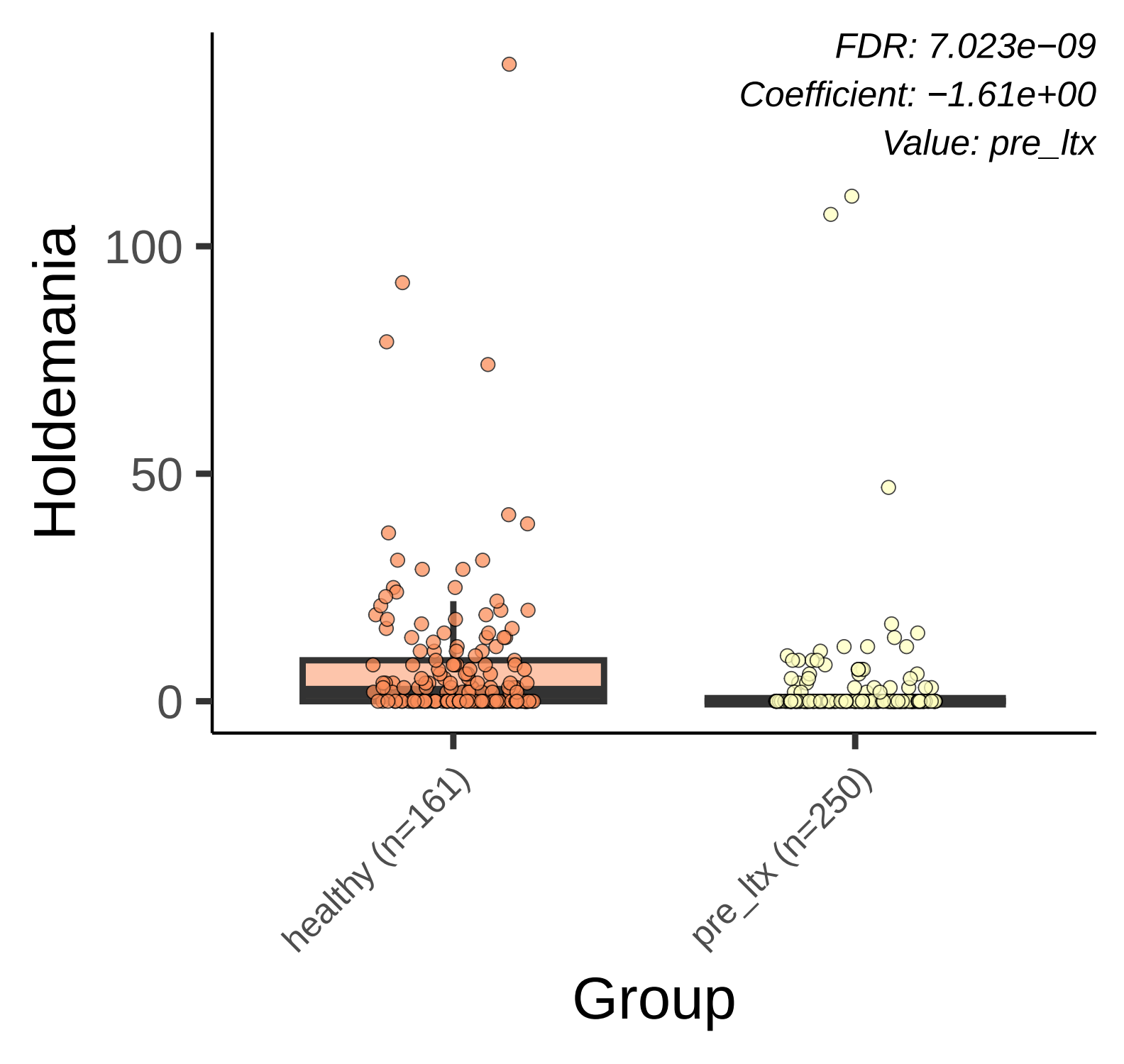

FDR: 2.826e−10
Coefficient: 3.25e+00
Value: pre_ltx
Veillonella
20000
15000
10000
5000
0
healthy (n=161)
pre_ltx (n=250)
Group

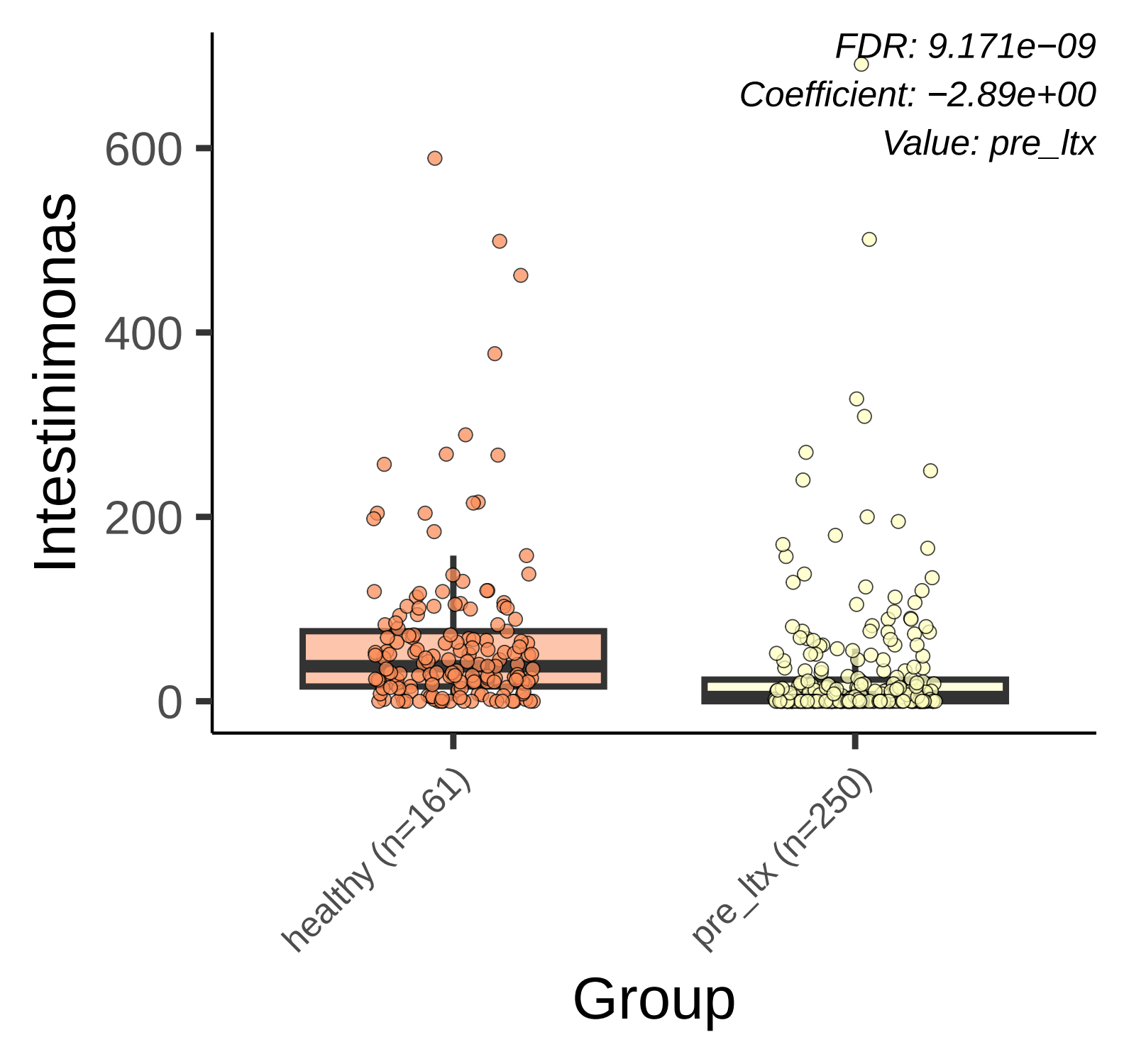

FDR: 4.632e−10
Coefficient: −3.41e+00
Value: pre_ltx
Parabacteroides
4000
3000
2000
1000
0
healthy (n=161)
pre_ltx (n=250)
Group

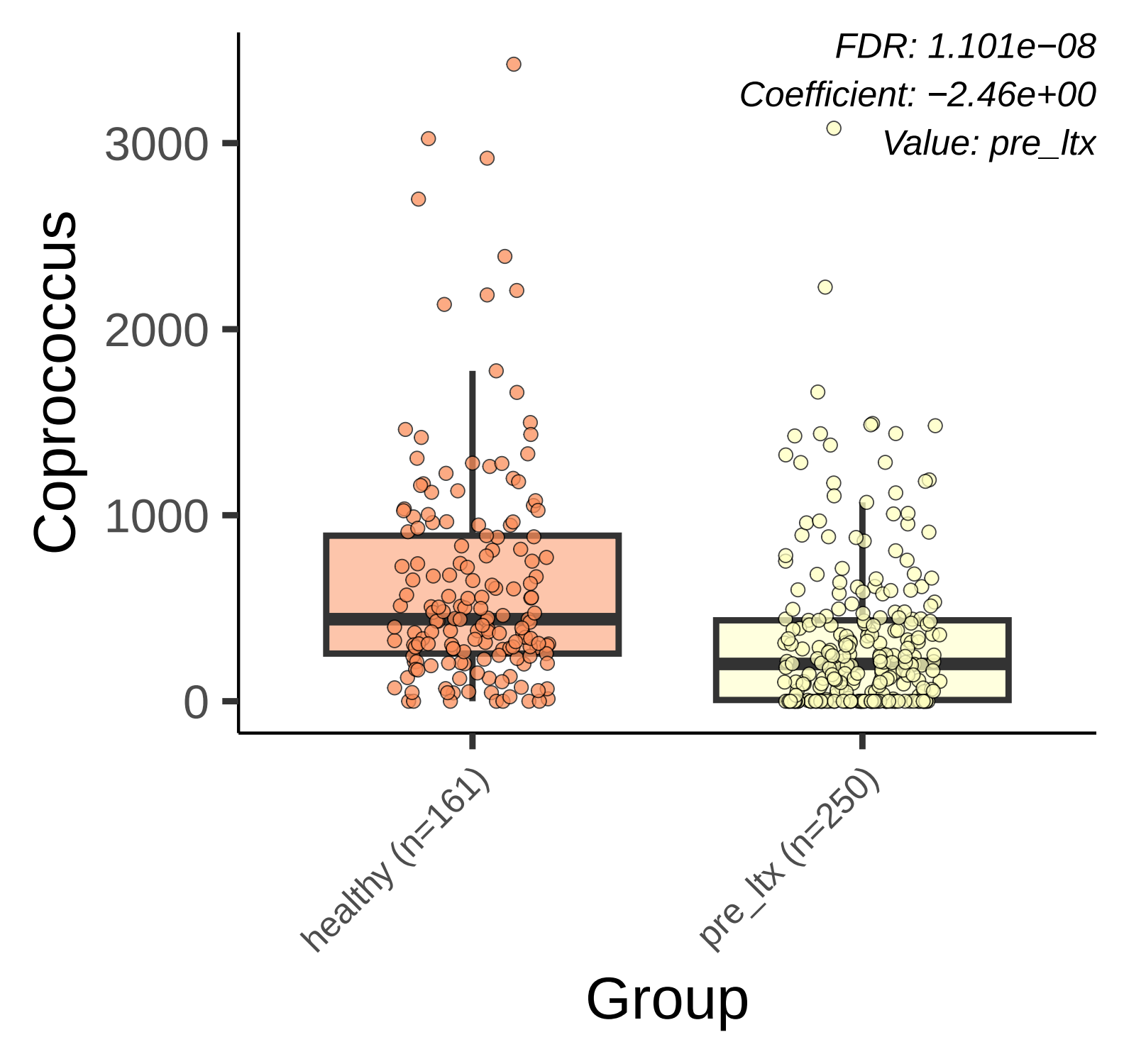

FDR: 9.128e−10
Coefficient: −2.47e+00
Value: pre_ltx
Butyricimonas
300
200
100
0
healthy (n=161)
pre_ltx (n=250)
Group

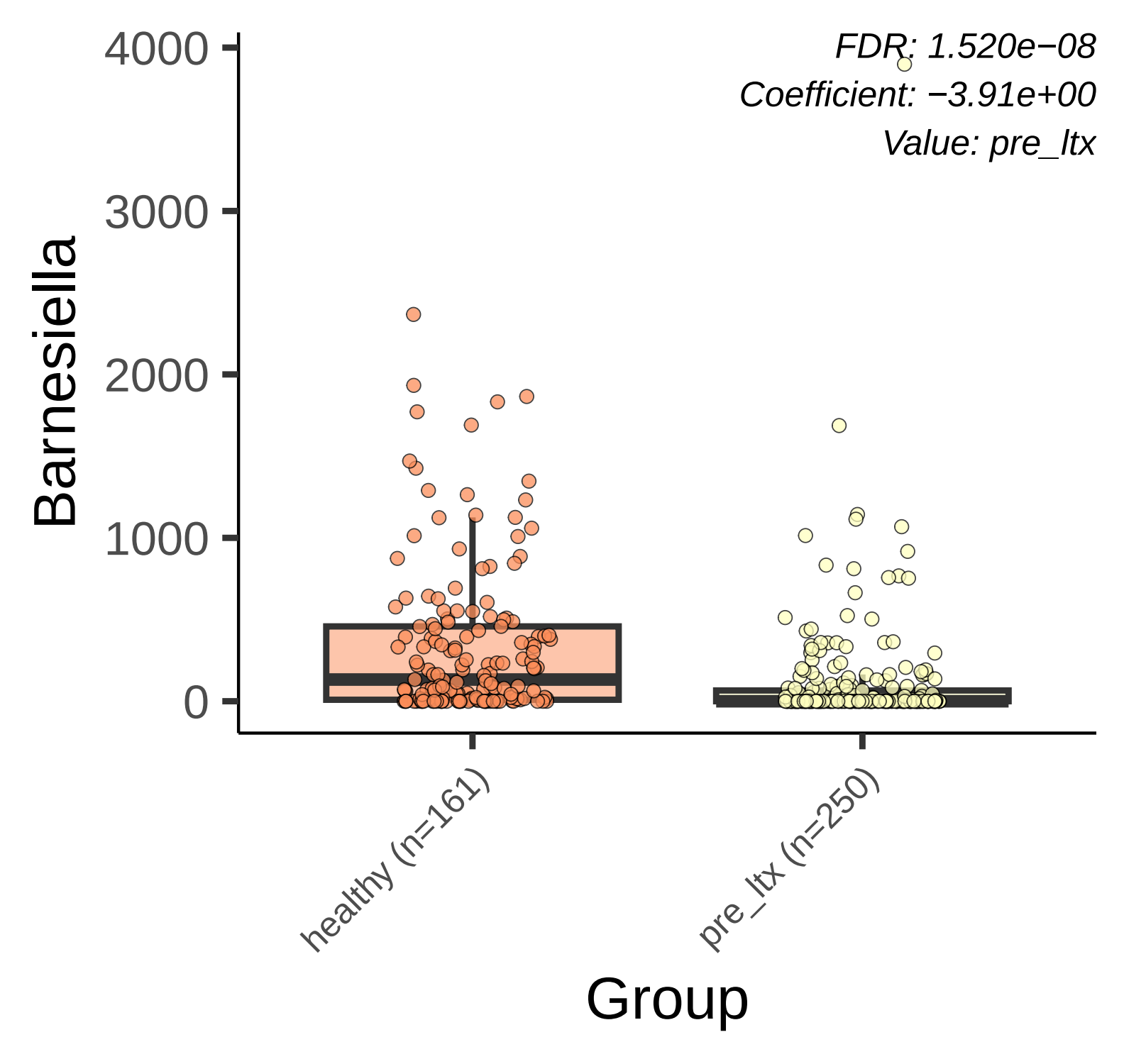

FDR: 2.110e−09
Coefficient: −3.08e+00
Value: pre_ltx
Odoribacter
1200
800
400
0
healthy (n=161)
pre_ltx (n=250)
Group

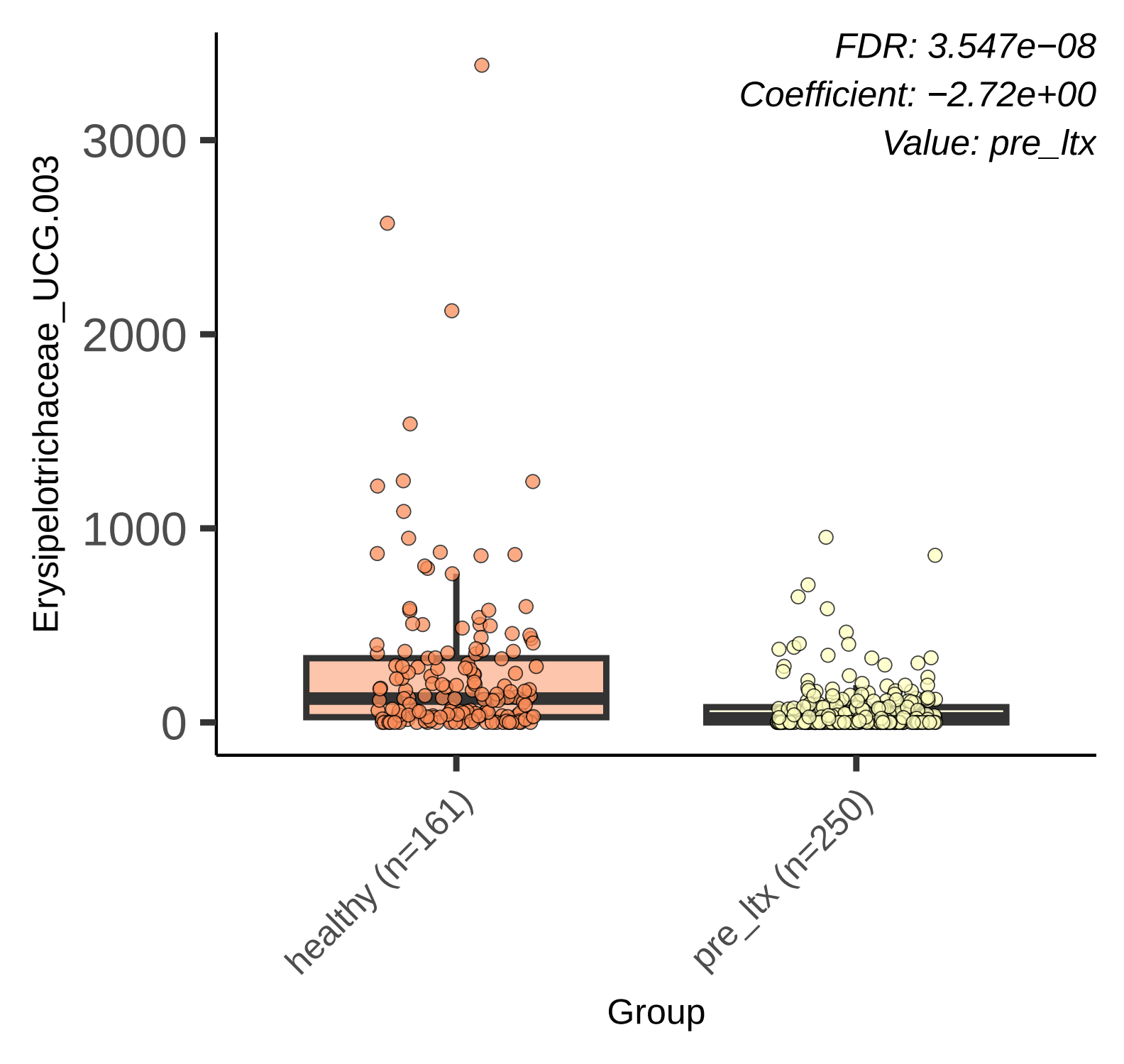

FDR: 2.414e−09
Coefficient: −3.31e+00
Value: pre_ltx
Lachnospiraceae_UCG.010
1000
750
500
250
0
healthy (n=161)
pre_ltx (n=250)
Group

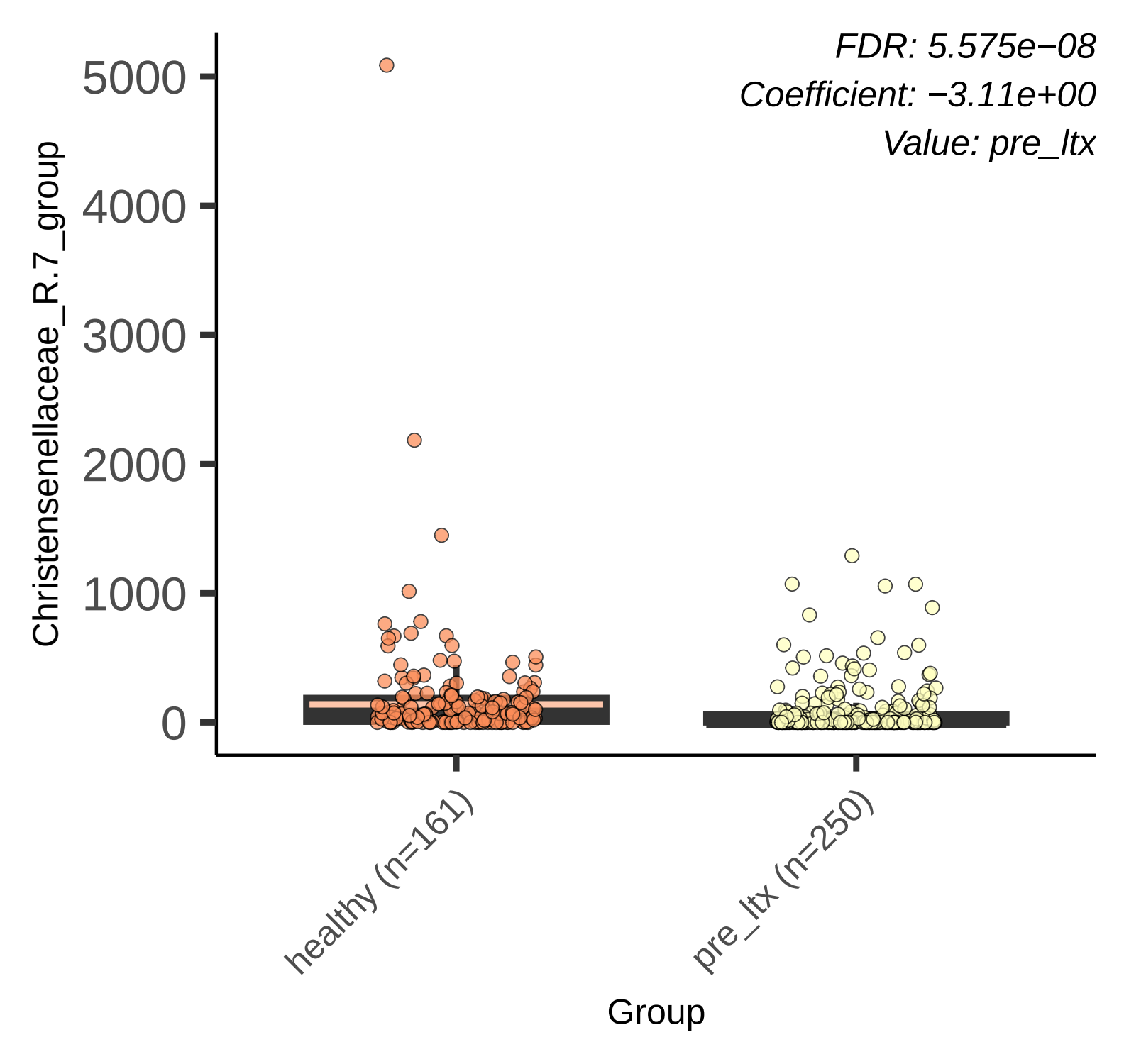

FDR: 7.023e−09
Coefficient: −1.61e+00
Value: pre_ltx
Holdemania
100
50
0
healthy (n=161)
pre_ltx (n=250)
Group

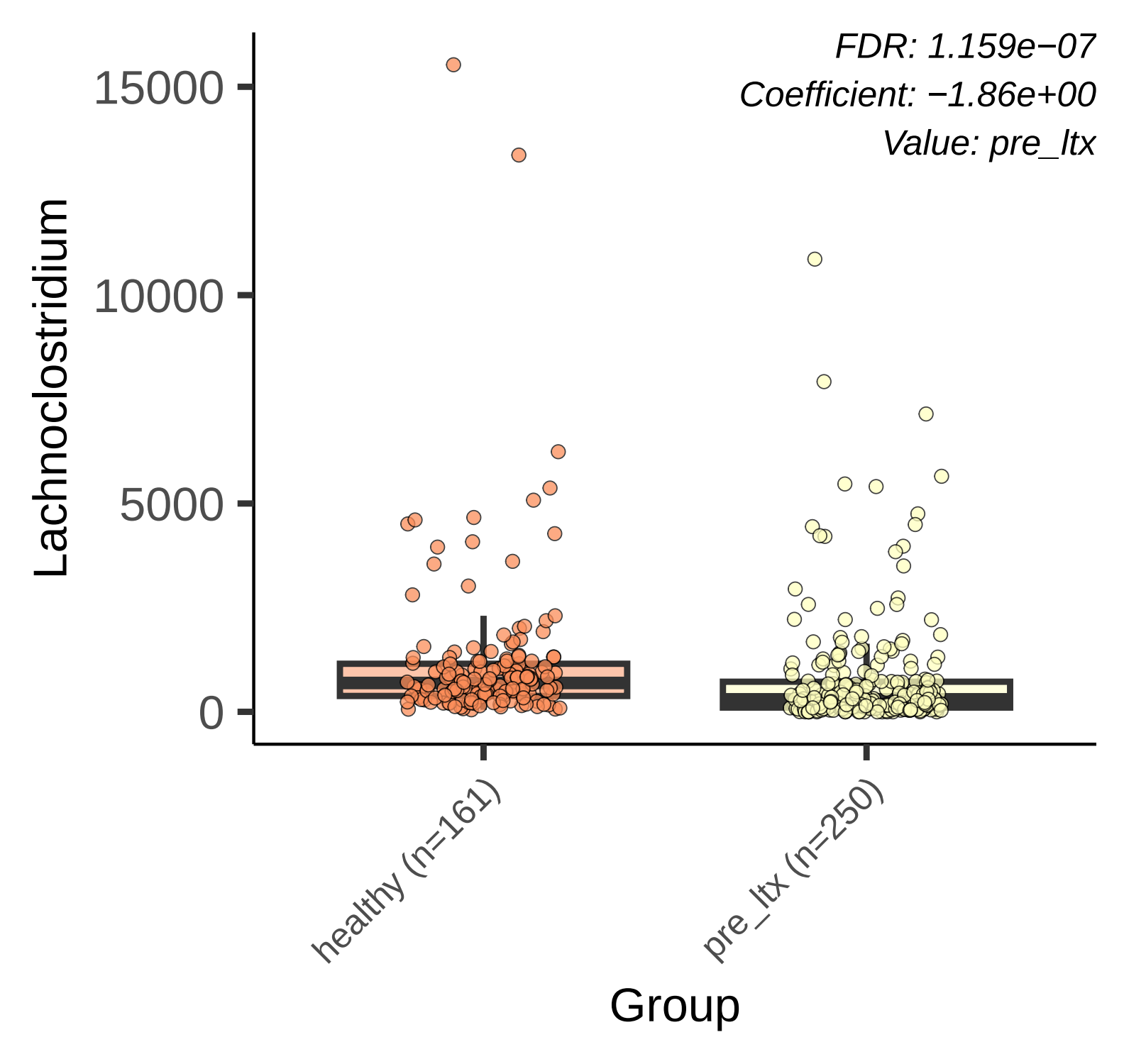

FDR: 9.171e−09
Coefficient: −2.89e+00
Value: pre_ltx
Intestinimonas
600
400
200
0
healthy (n=161)
pre_ltx (n=250)
Group

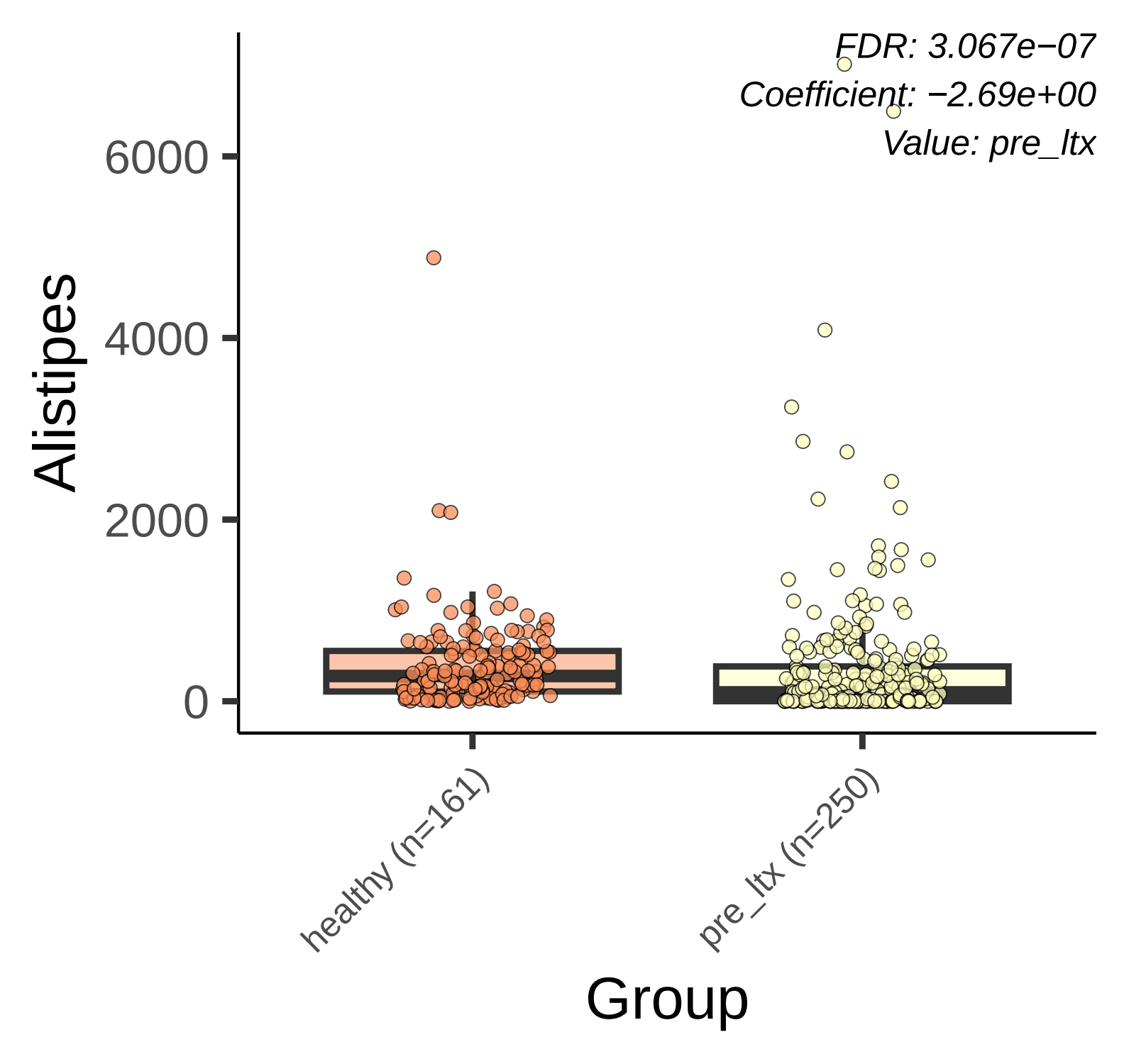

FDR: 1.101e−08
Coefficient: −2.46e+00
Value: pre_ltx
Coprococcus
3000
2000
1000
0
healthy (n=161)
pre_ltx (n=250)
Group

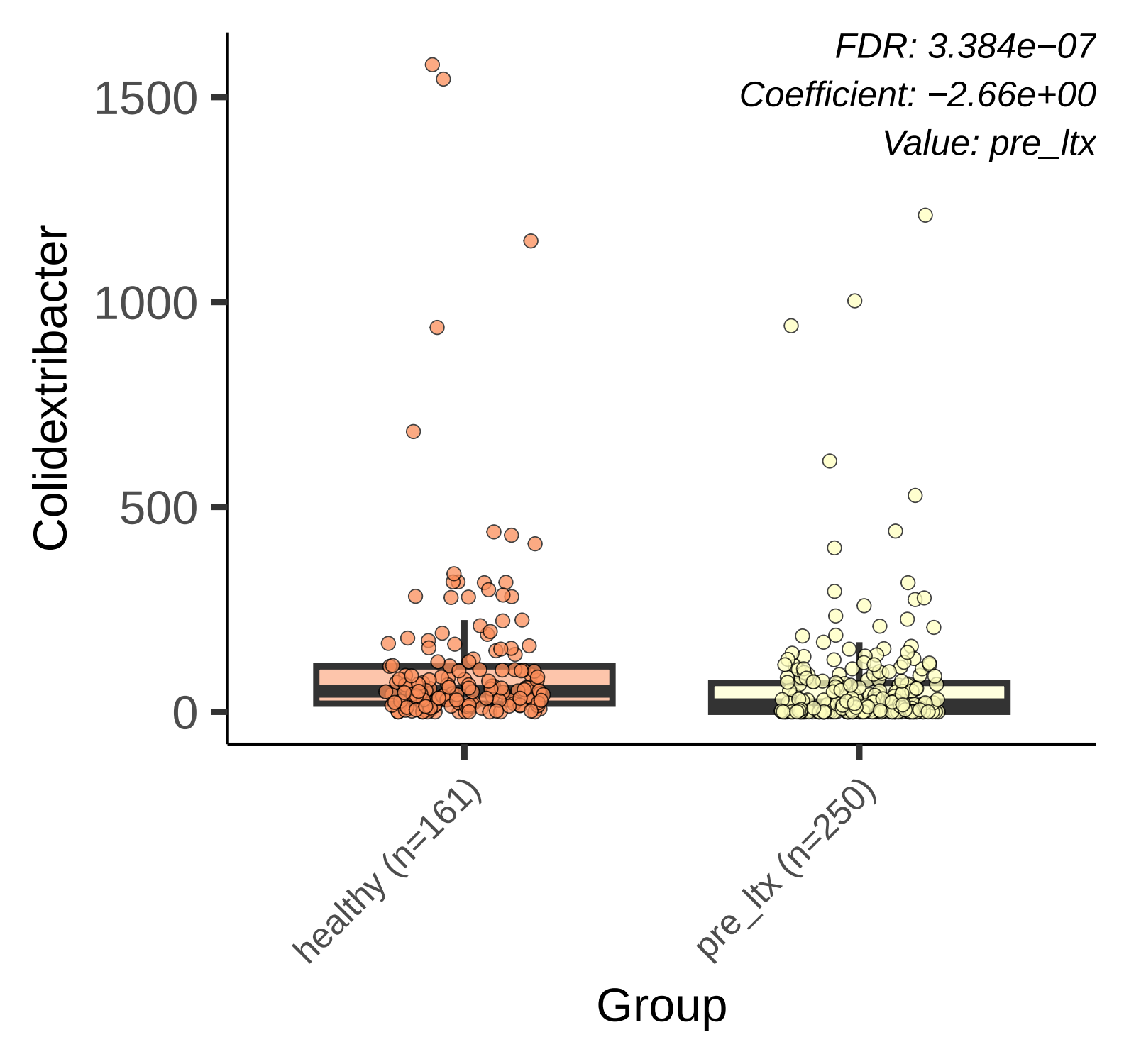

FDR: 1.520e−08
Coefficient: −3.91e+00
Value: pre_ltx
Barnesiella
4000
3000
2000
1000
0
healthy (n=161)
pre_ltx (n=250)
Group

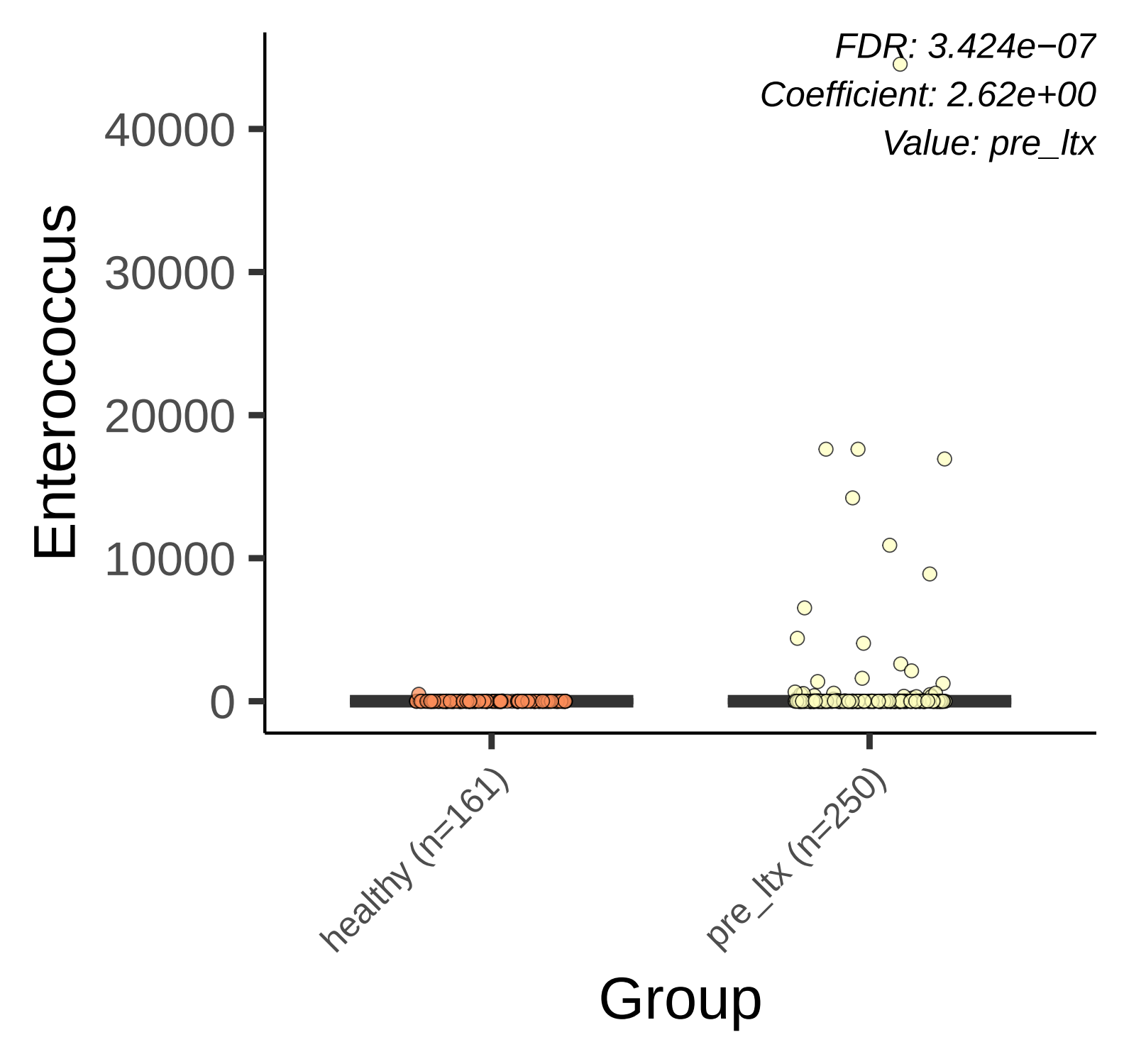

FDR: 3.547e−08
Coefficient: −2.72e+00
Value: pre_ltx
Erysipelotrichaceae_UCG.003
3000
2000
1000
0
healthy (n=161)
pre_ltx (n=250)
Group

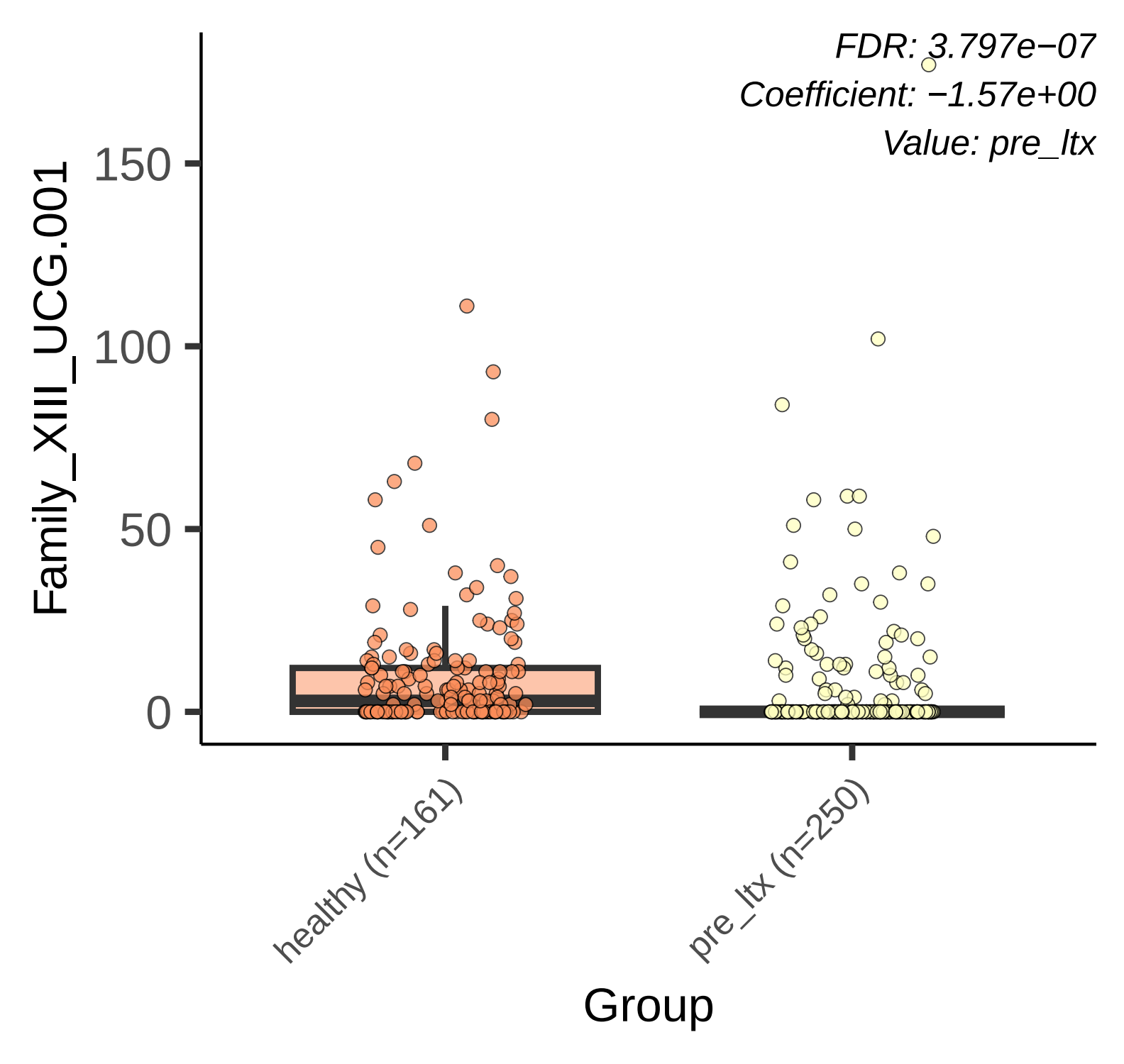

FDR: 5.575e−08
Coefficient: −3.11e+00
Value: pre_ltx
Christensenellaceae_R.7_group
5000
4000
3000
2000
1000
0
healthy (n=161)
pre_ltx (n=250)
Group

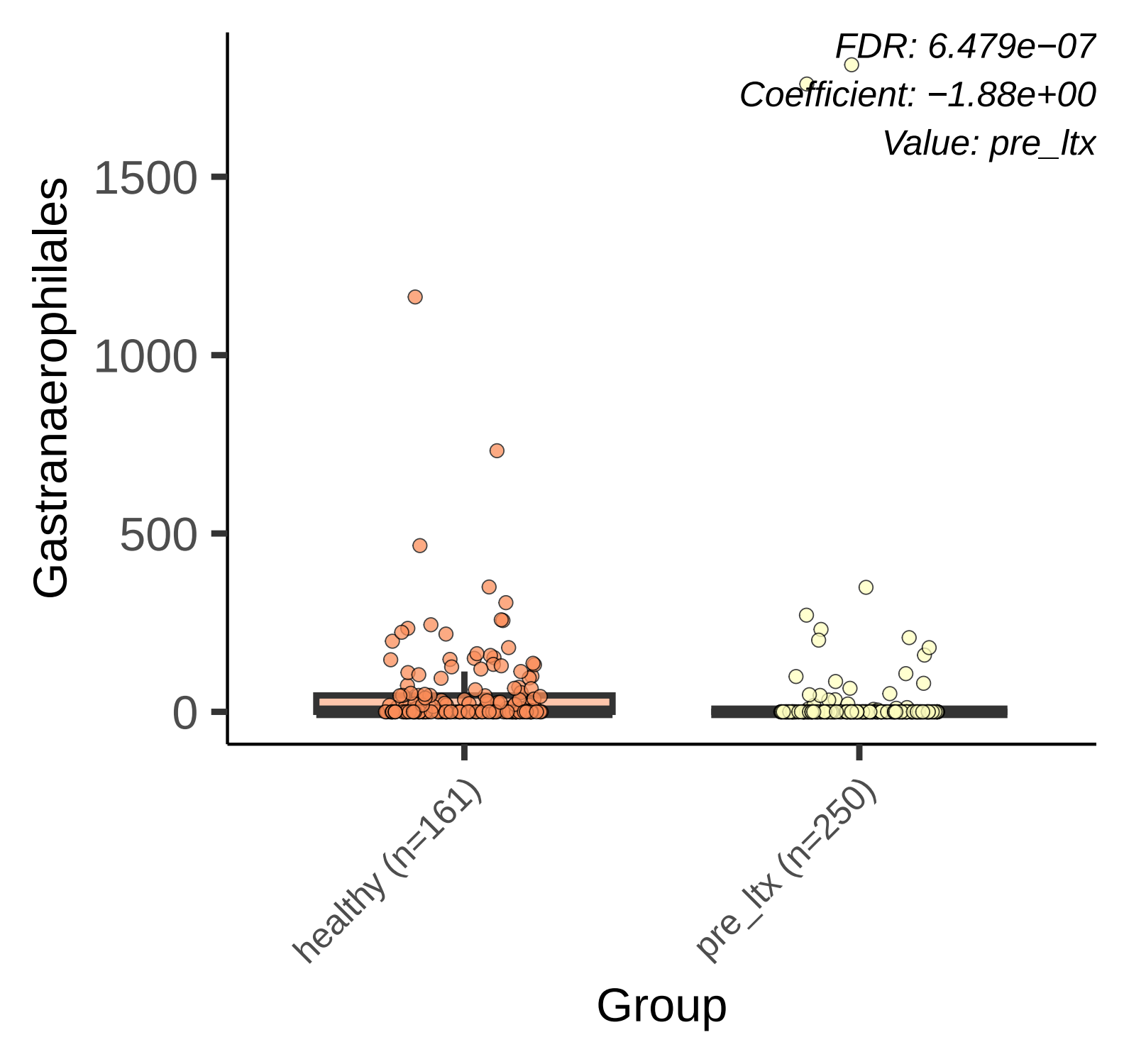

FDR: 1.159e−07
Coefficient: −1.86e+00
Value: pre_ltx
15000
10000
5000
0
Lachnoclostridium
healthy (n=161)
pre_ltx (n=250)
Group

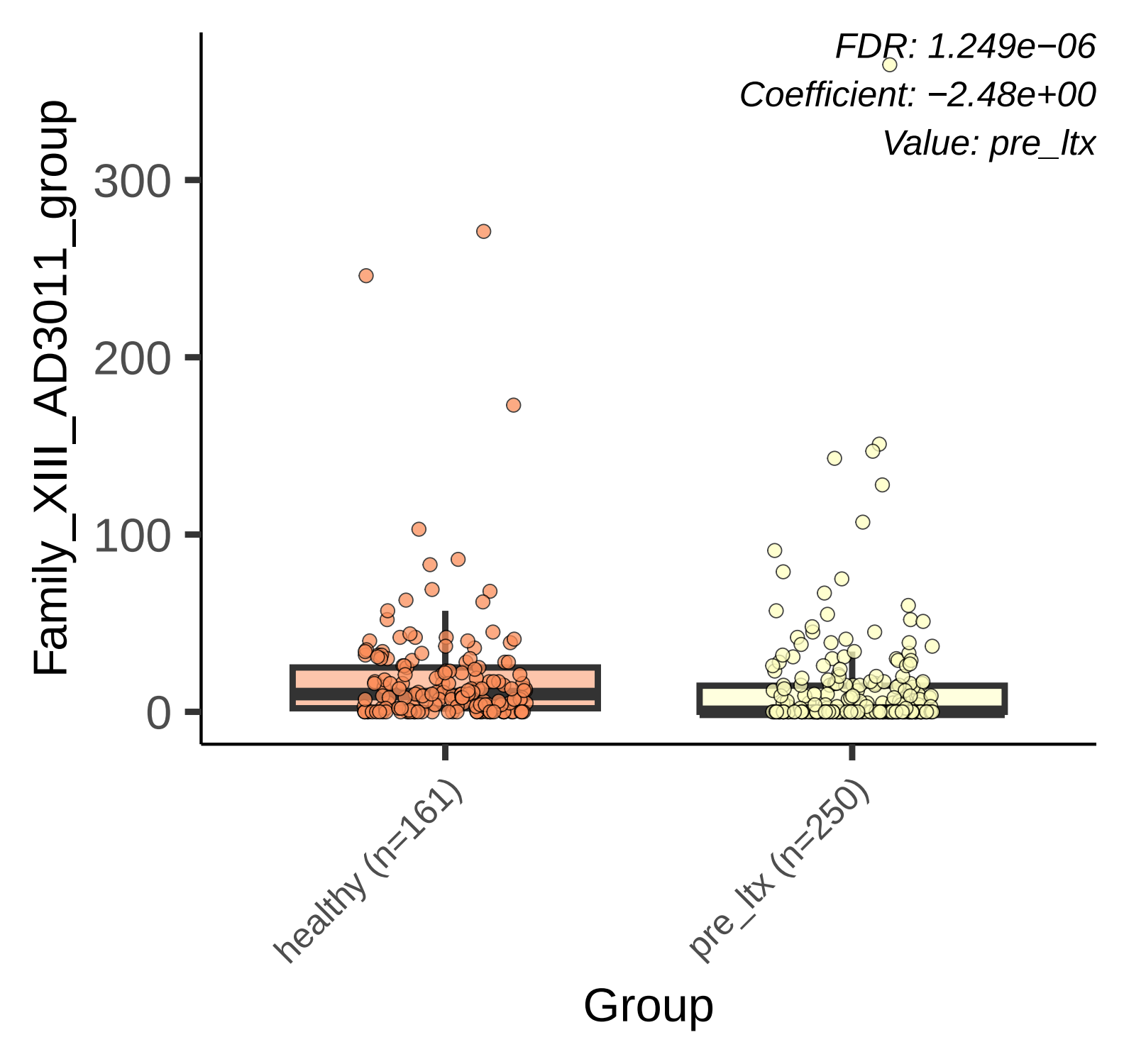

FDR: 3.067e−07
Coefficient: −2.69e+00
Value: pre_ltx
Alistipes
6000
4000
2000
0
healthy (n=161)
pre_ltx (n=250)
Group

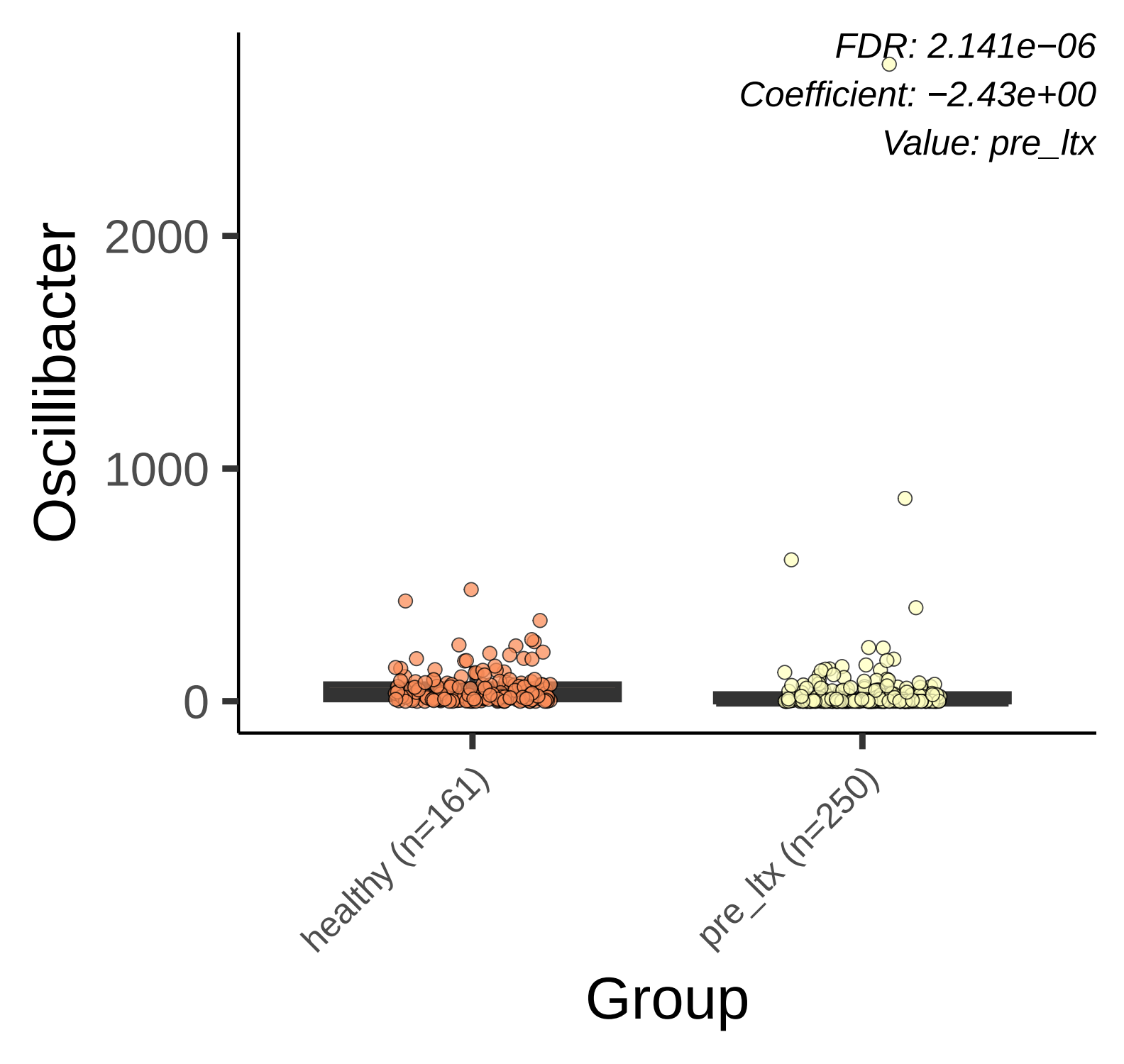

FDR: 3.384e−07
Coefficient: −2.66e+00
Value: pre_ltx
Colidextribacter
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

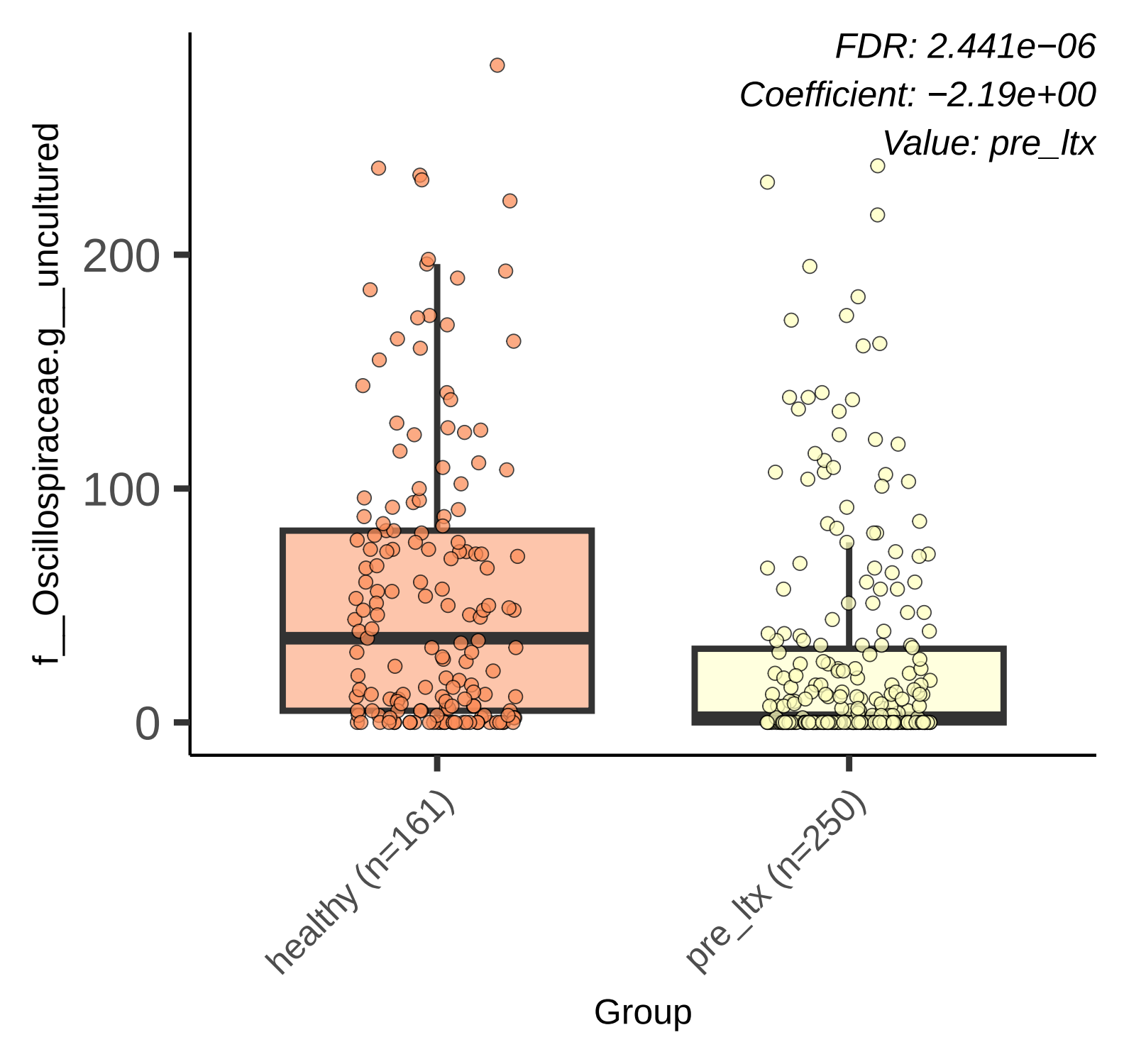

FDR: 3.424e−07
Coefficient: 2.62e+00
Value: pre_ltx
Enterococcus
40000
30000
20000
10000
0
healthy (n=161)
pre_ltx (n=250)
Group

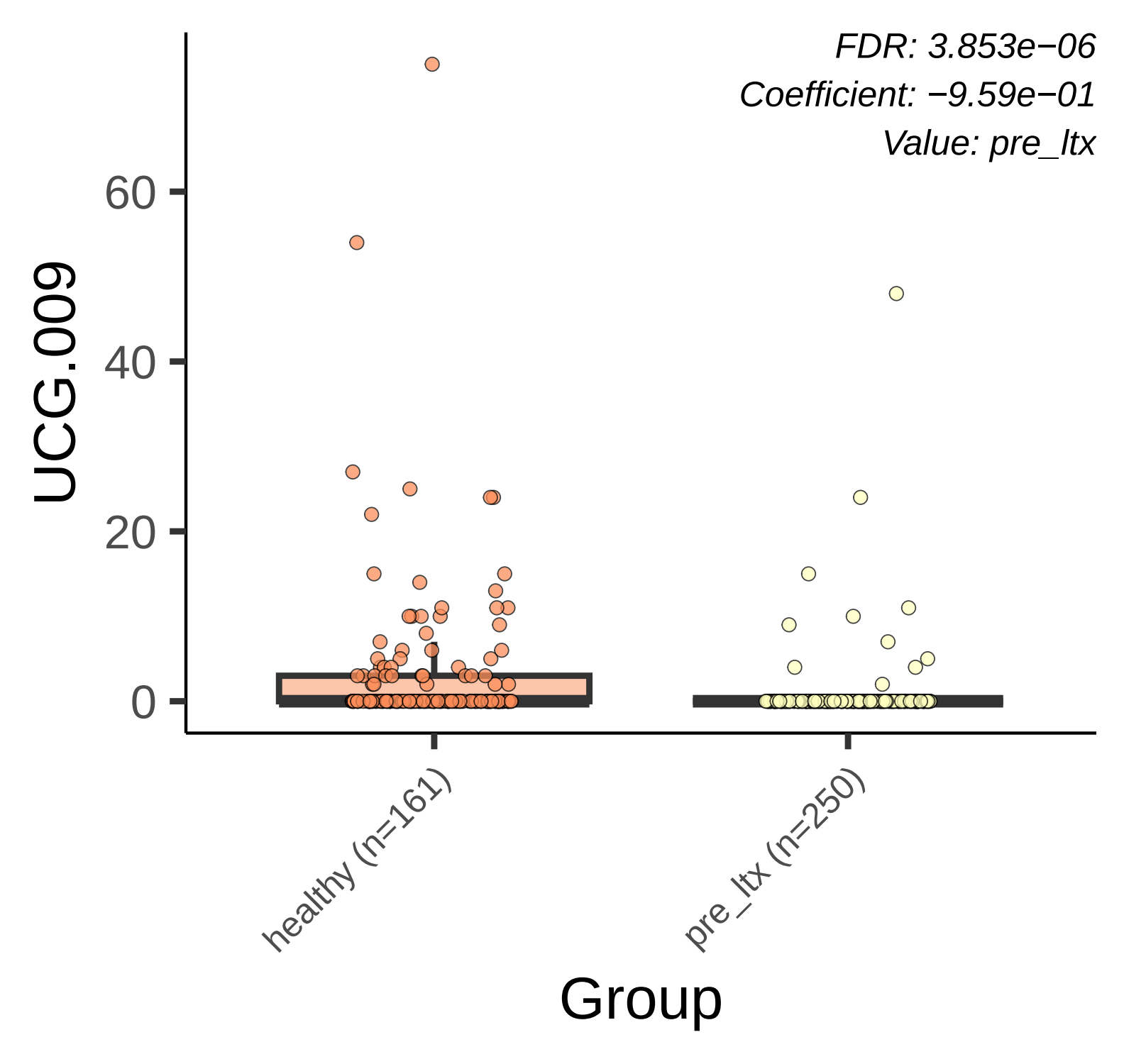

FDR: 3.797e−07
Coefficient: −1.57e+00
Value: pre_ltx
Family_XIII_UCG.001
150
100
50
0
healthy (n=161)
pre_ltx (n=250)
Group

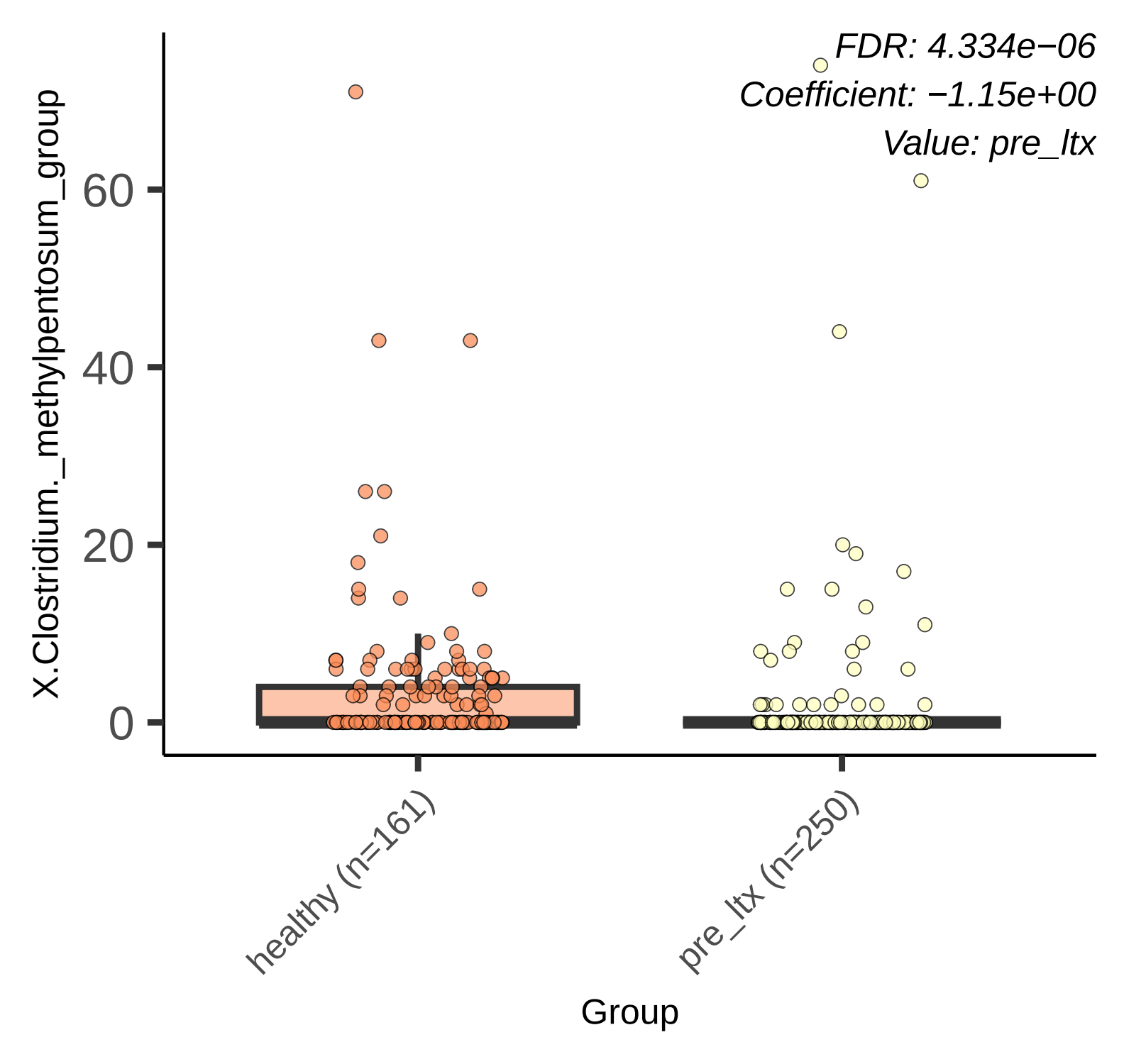

FDR: 6.479e−07
Coefficient: −1.88e+00
Value: pre_ltx
Gastranaerophilales
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

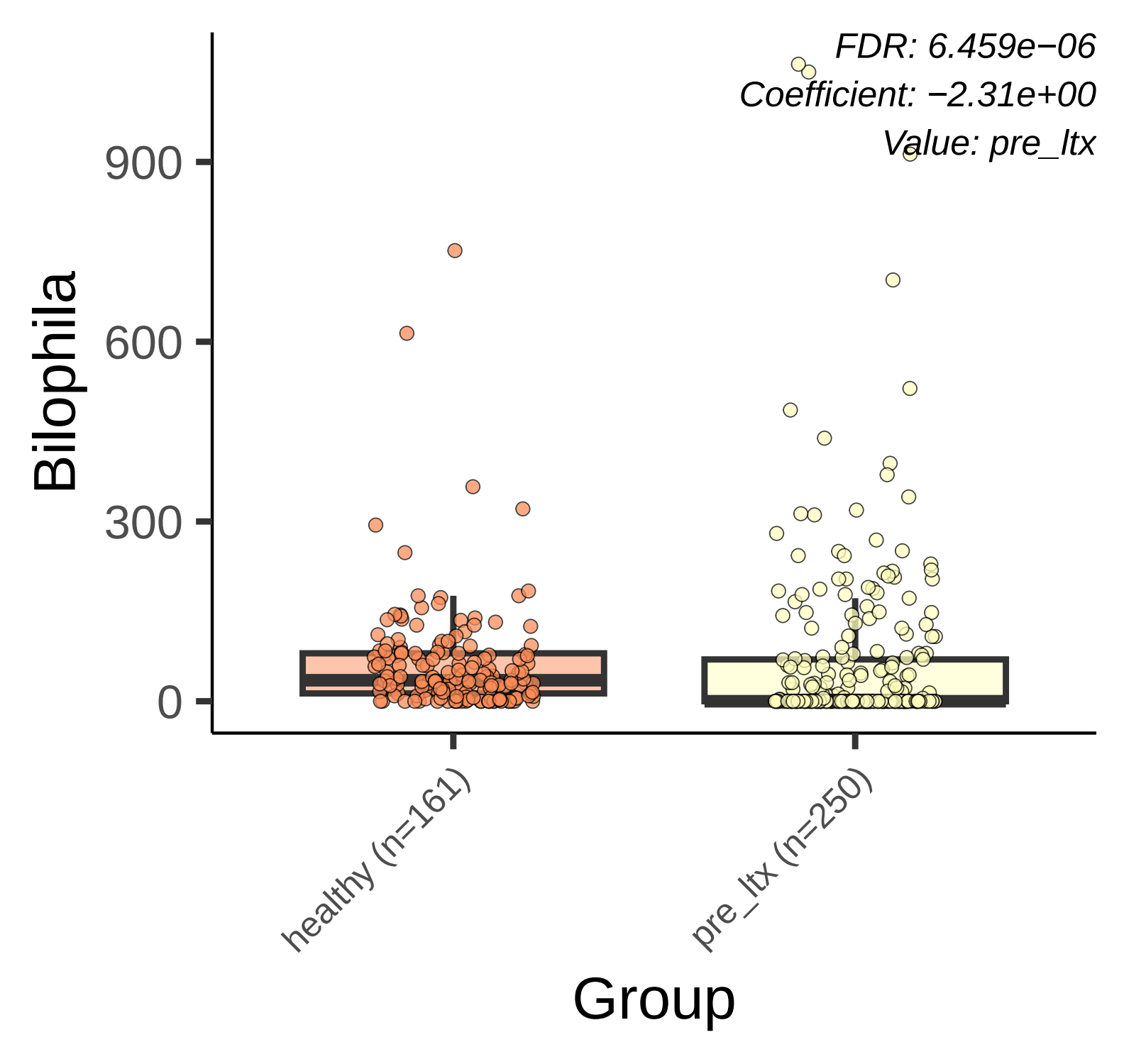

FDR: 1.249e−06
Coefficient: −2.48e+00
Value: pre_ltx
Family_XIII_AD3011_group
300
200
100
0
healthy (n=161)
pre_ltx (n=250)
Group

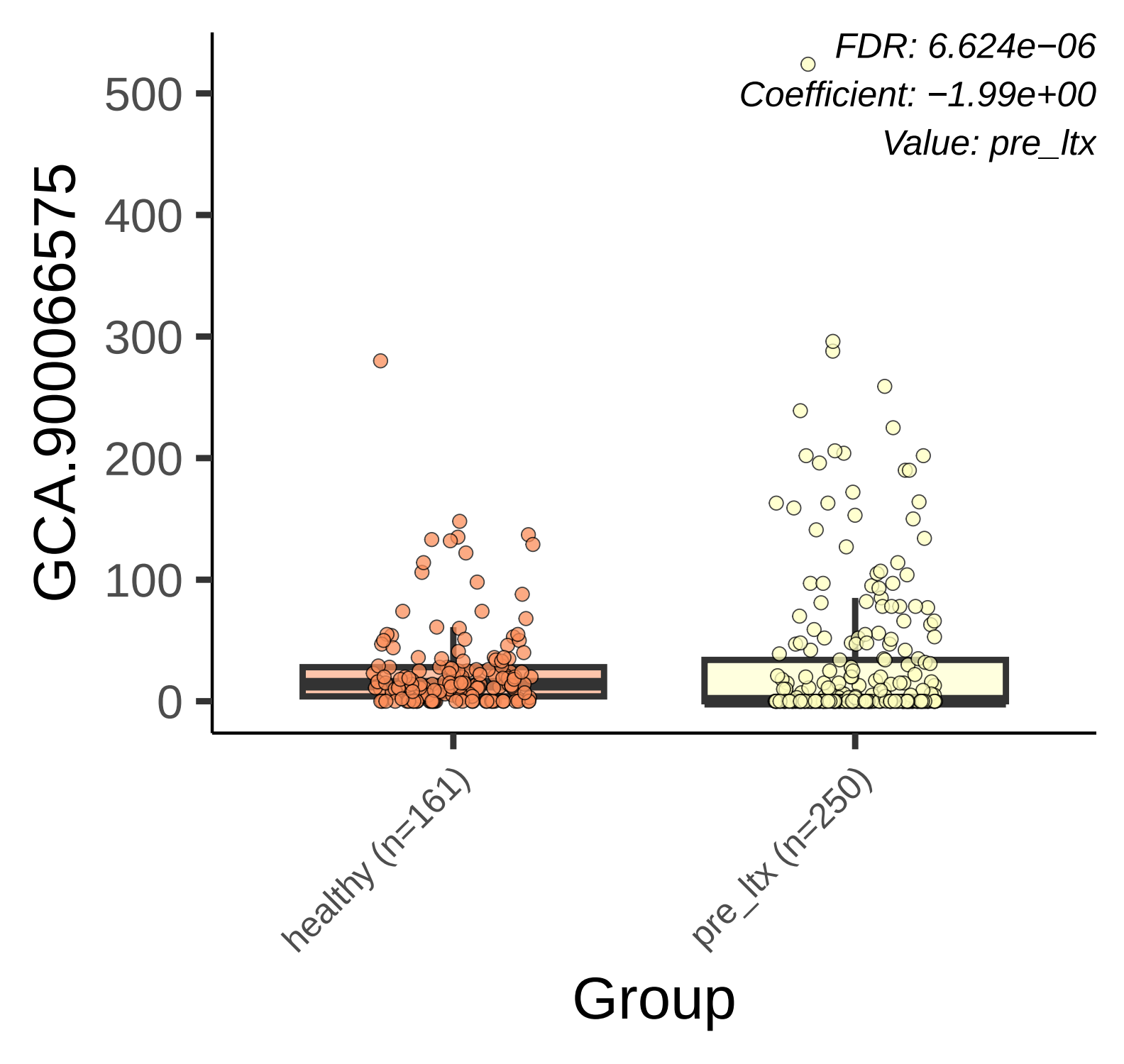

FDR: 2.141e−06
Coefficient: −2.43e+00
Value: pre_ltx
Oscillibacter
2000
1000
0
healthy (n=161)
pre_ltx (n=250)
Group

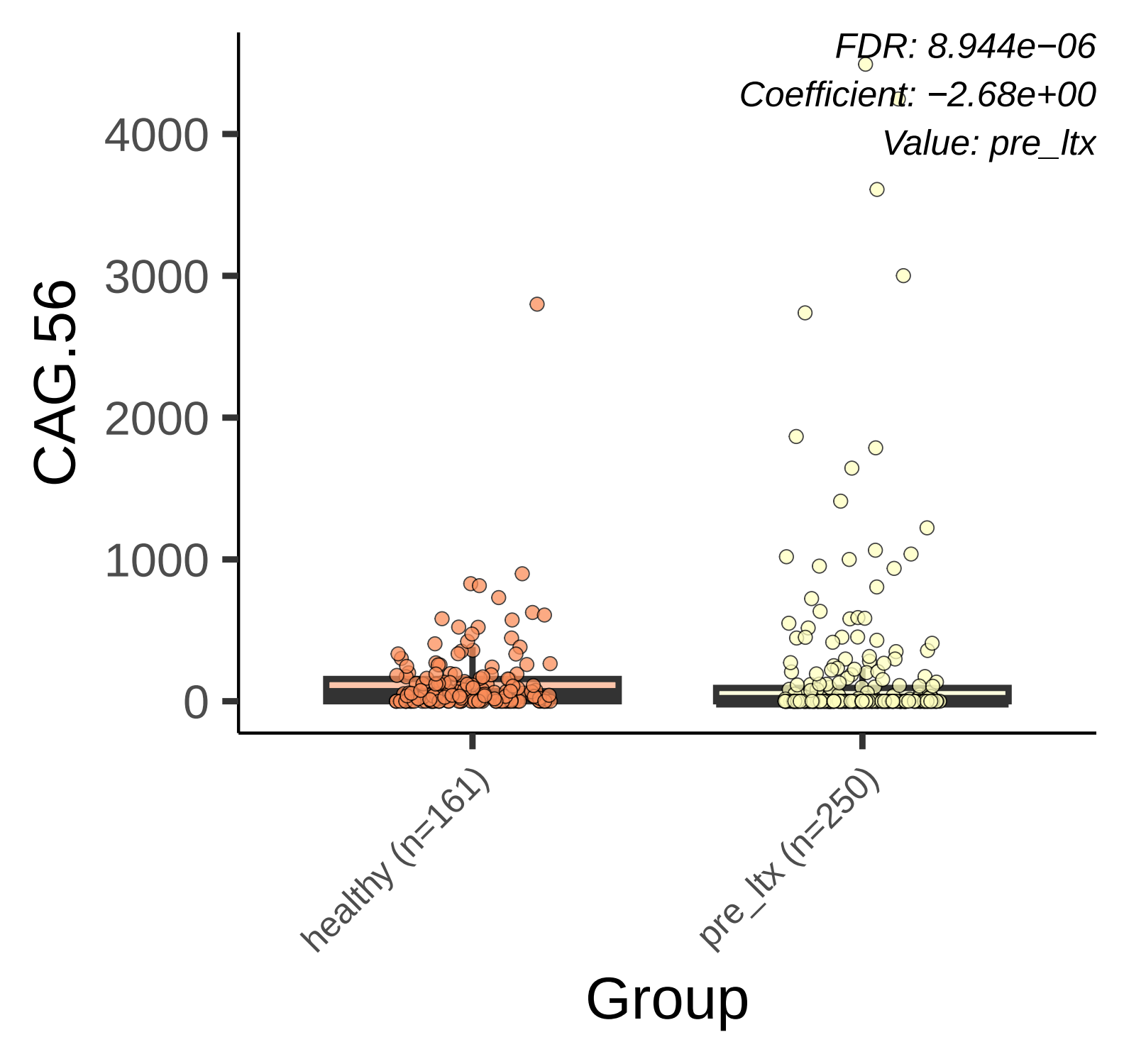

FDR: 2.441e−06
Coefficient: −2.19e+00
Value: pre_ltx
f__Oscillospiraceae.g__uncultured
200
100
0
healthy (n=161)
pre_ltx (n=250)
Group

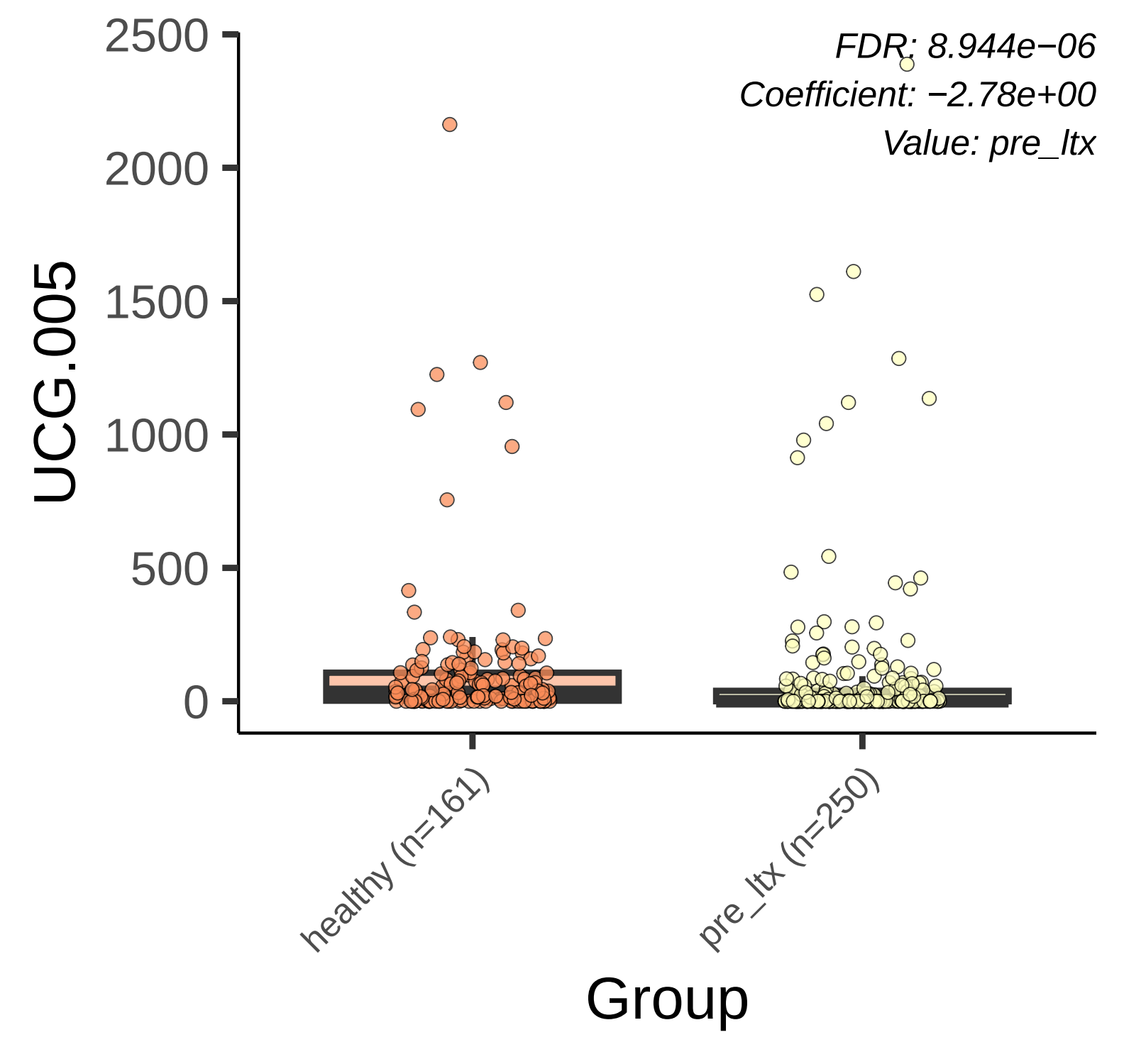

FDR: 3.853e−06
Coefficient: −9.59e−01
Value: pre_ltx
UCG.009
60
40
20
0
healthy (n=161)
pre_ltx (n=250)
Group

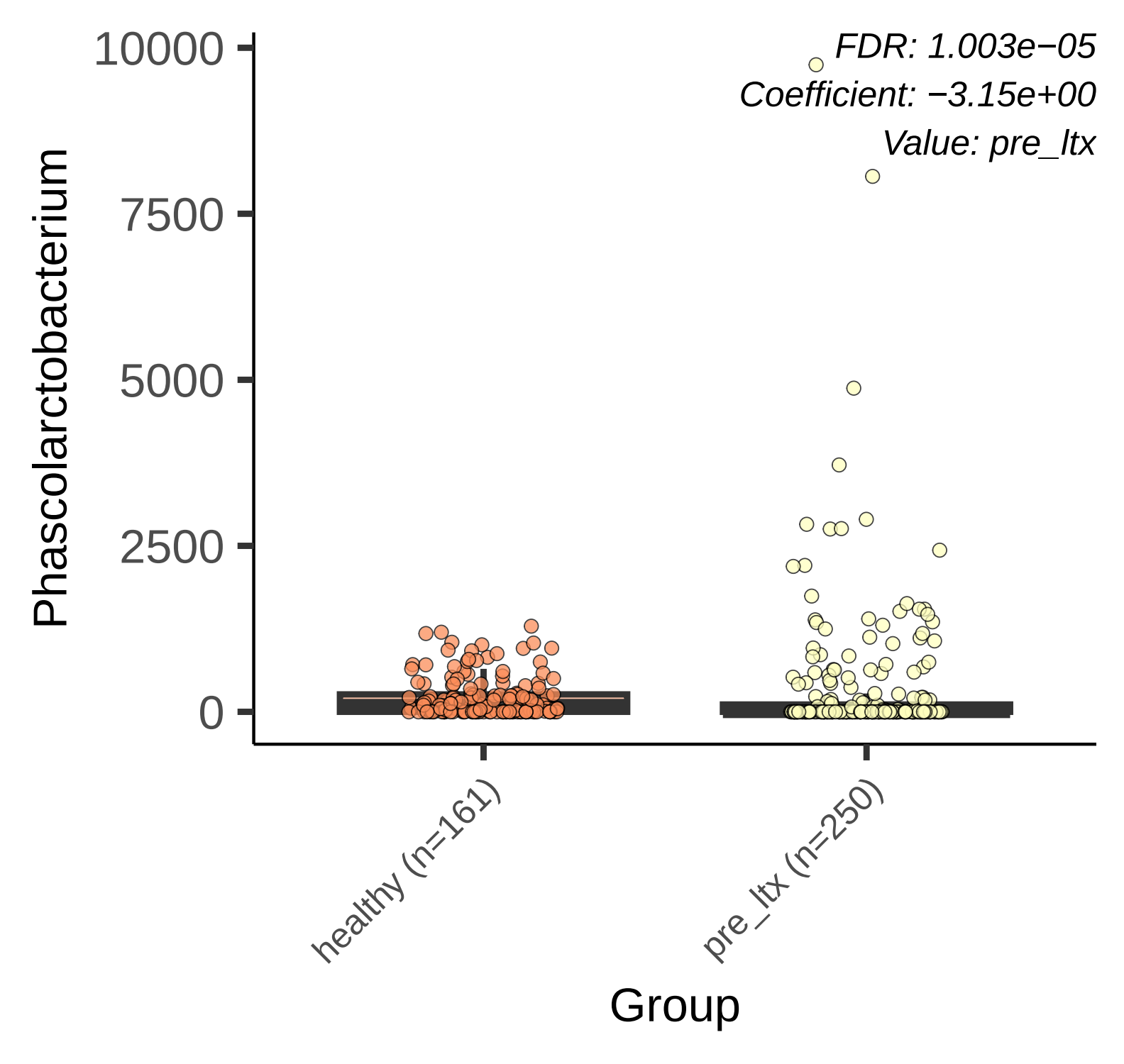

FDR: 4.334e−06
Coefficient: −1.15e+00
Value: pre_ltx
X.Clostridium._methylpentosum_group
0
20
40
60
healthy (n=161)
pre_ltx (n=250)
Group

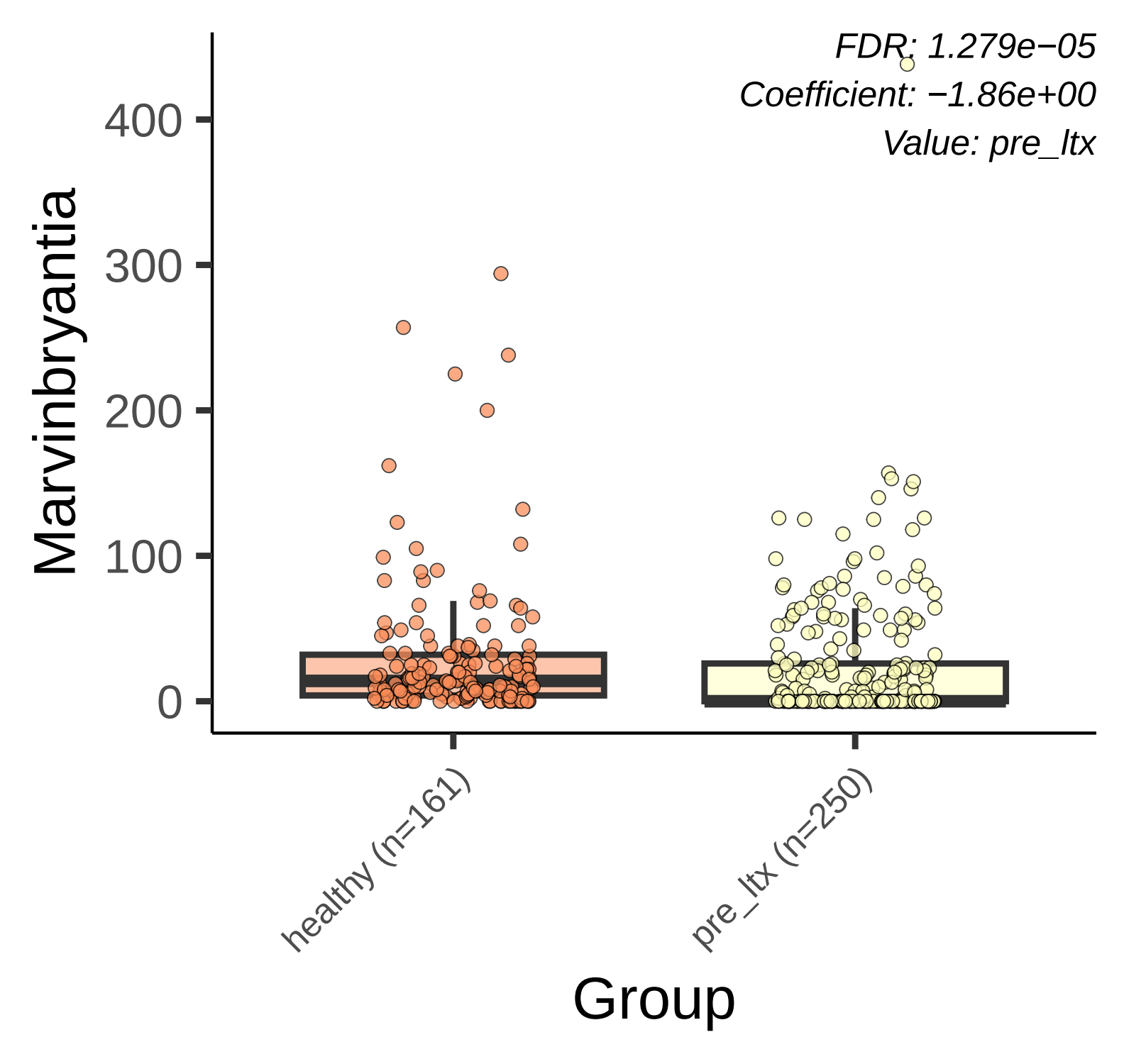

FDR: 6.459e−06
Coefficient: −2.31e+00
Value: pre_ltx
Bilophila
900
600
300
0
healthy (n=161)
pre_ltx (n=250)
Group

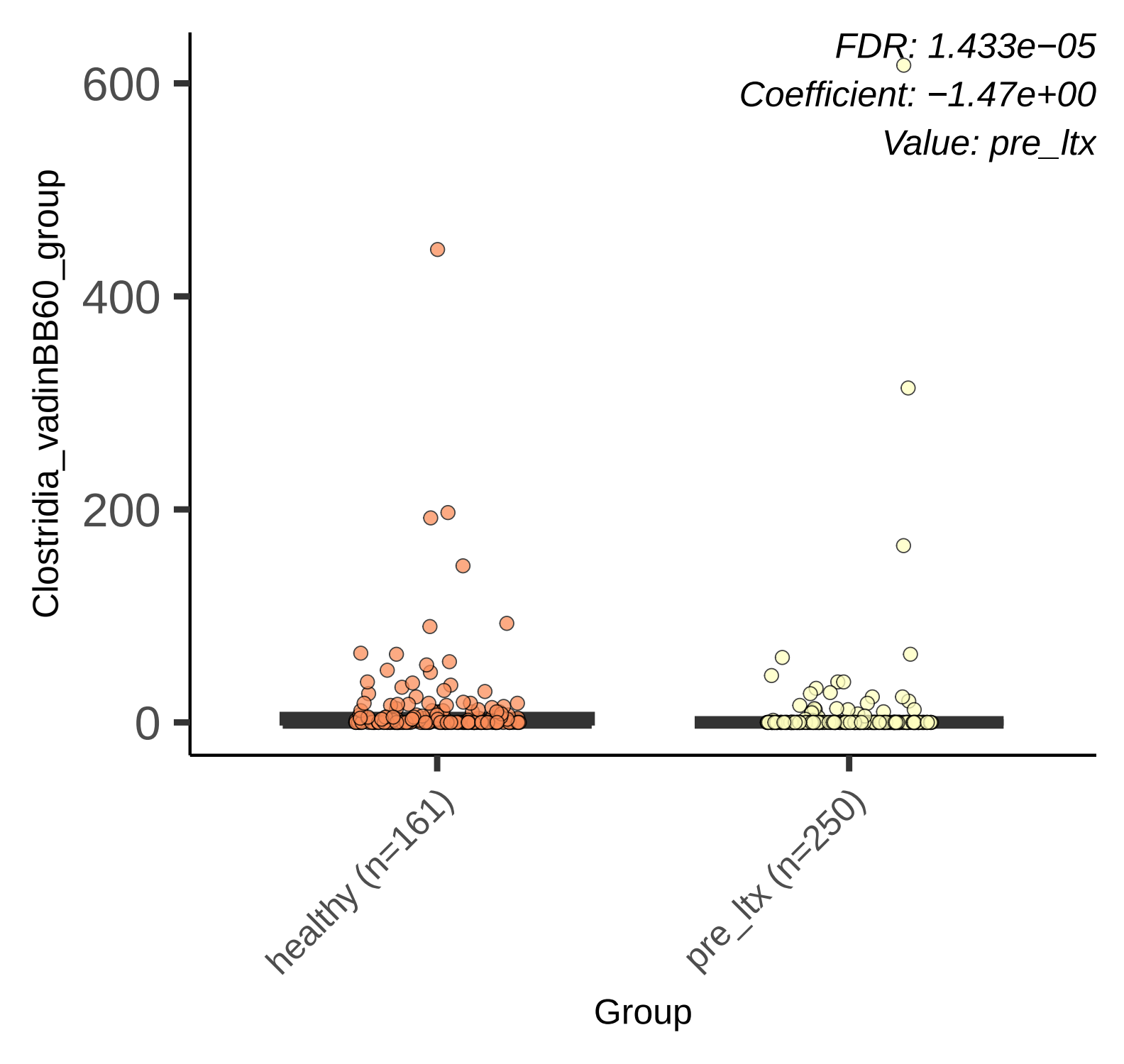

FDR: 6.624e−06
Coefficient: −1.99e+00
Value: pre_ltx
GCA.900066575
500
400
300
200
100
0
healthy (n=161)
pre_ltx (n=250)
Group

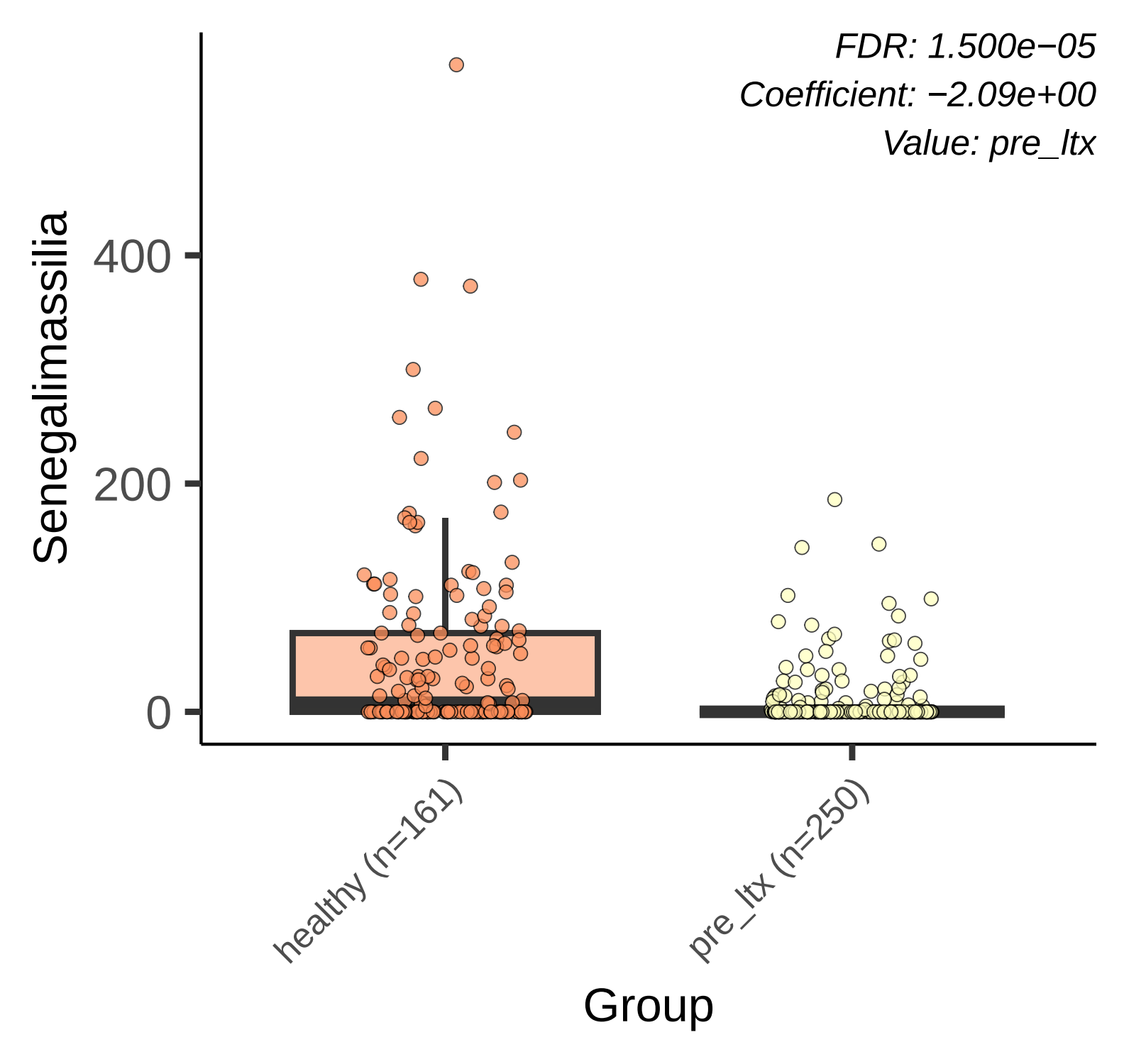

FDR: 8.944e−06
Coefficient: −2.68e+00
Value: pre_ltx
CAG.56
4000
3000
2000
1000
0
healthy (n=161)
pre_ltx (n=250)
Group

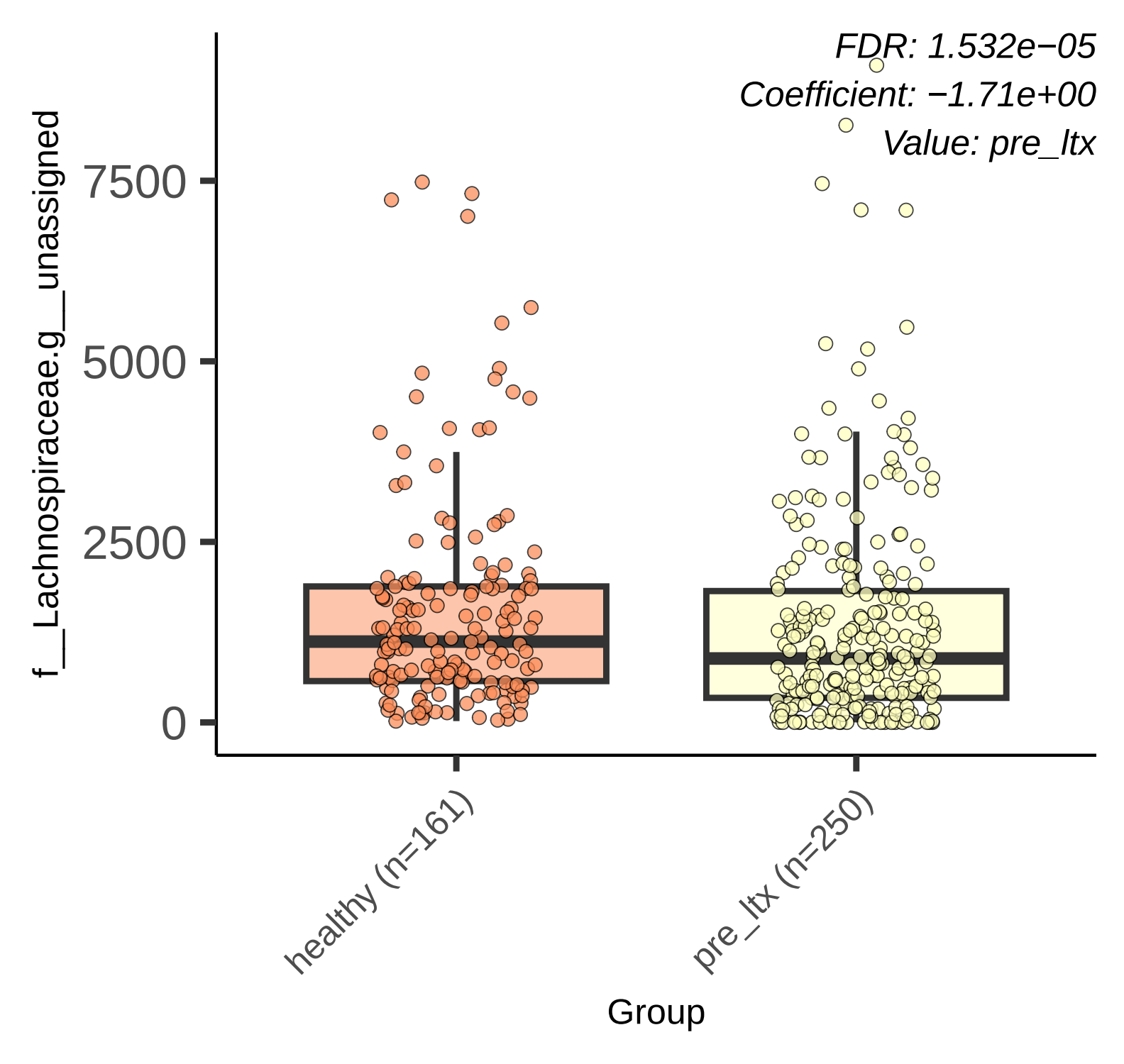

FDR: 8.944e−06
Coefficient: −2.78e+00
Value: pre_ltx
UCG.005
2500
2000
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

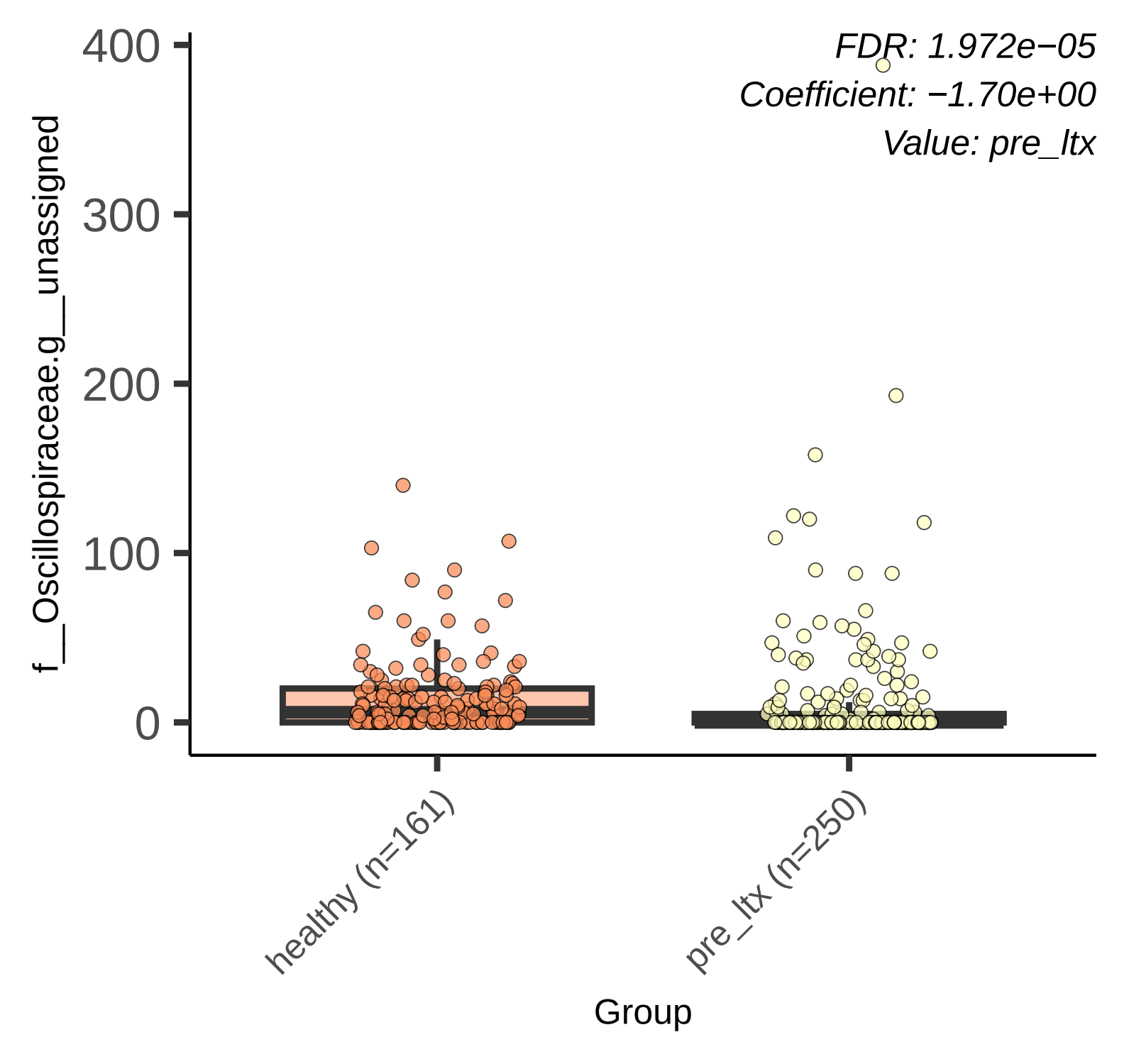

FDR: 1.003e−05
Coefficient: −3.15e+00
Value: pre_ltx
Phascolarctobacterium
10000
7500
5000
2500
0
healthy (n=161)
pre_ltx (n=250)
Group

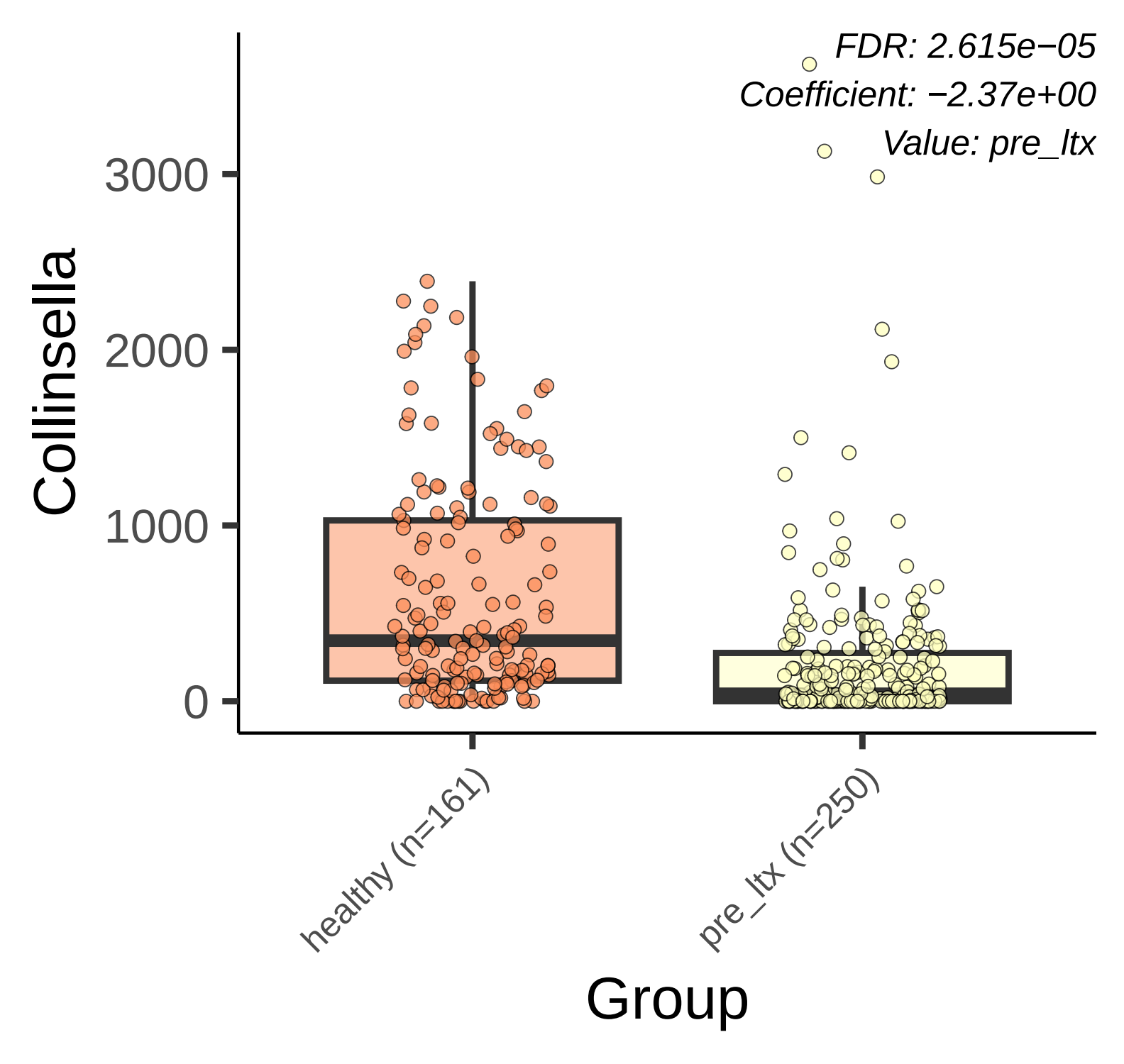

FDR: 1.279e−05
Coefficient: −1.86e+00
Value: pre_ltx
Marvinbryantia
400
300
200
100
0
healthy (n=161)
pre_ltx (n=250)
Group

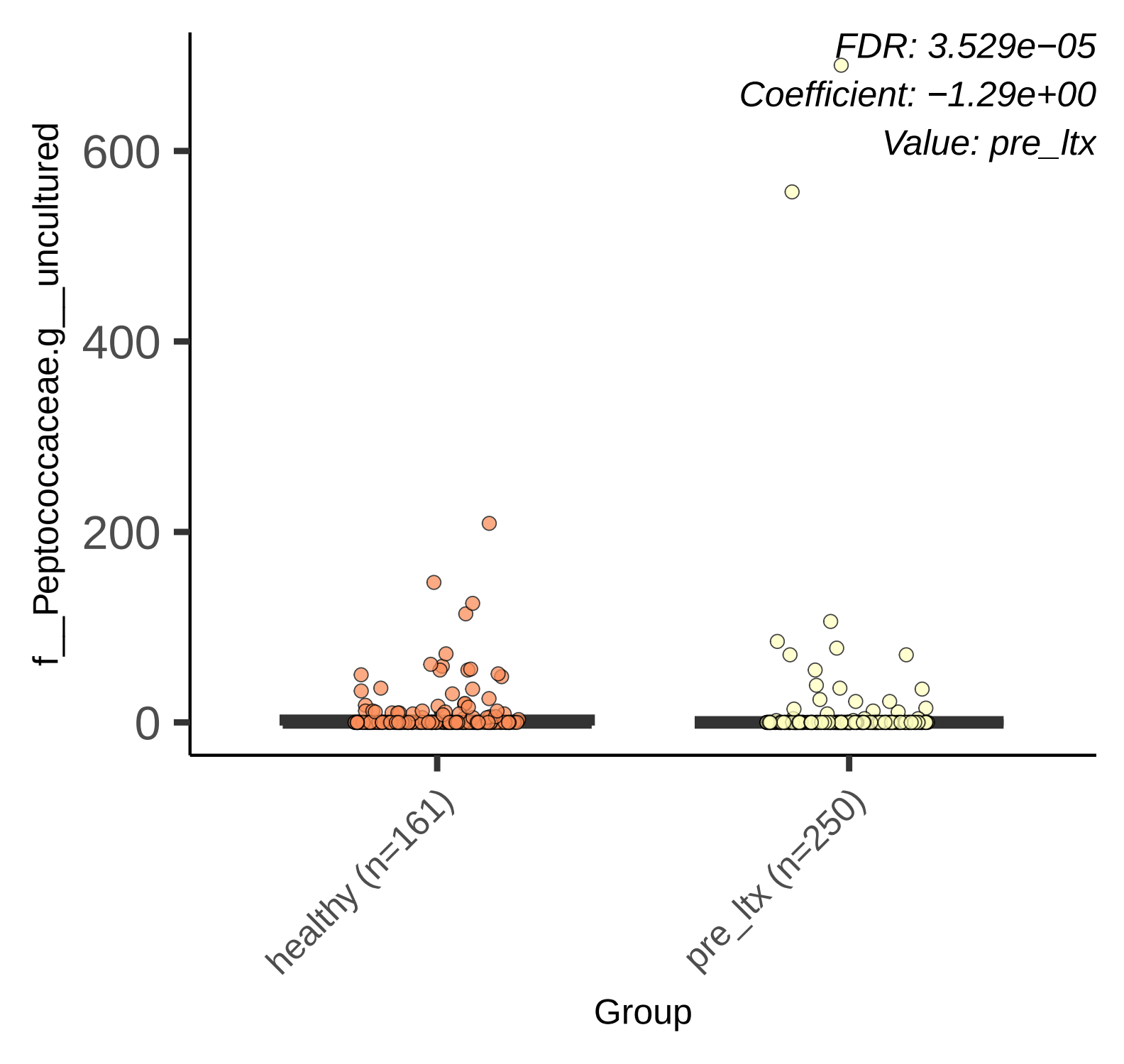

FDR: 1.433e−05
Coefficient: −1.47e+00
Value: pre_ltx
600
400
200
0
Clostridia_vadinBB60_group
healthy (n=161)
pre_ltx (n=250)
Group

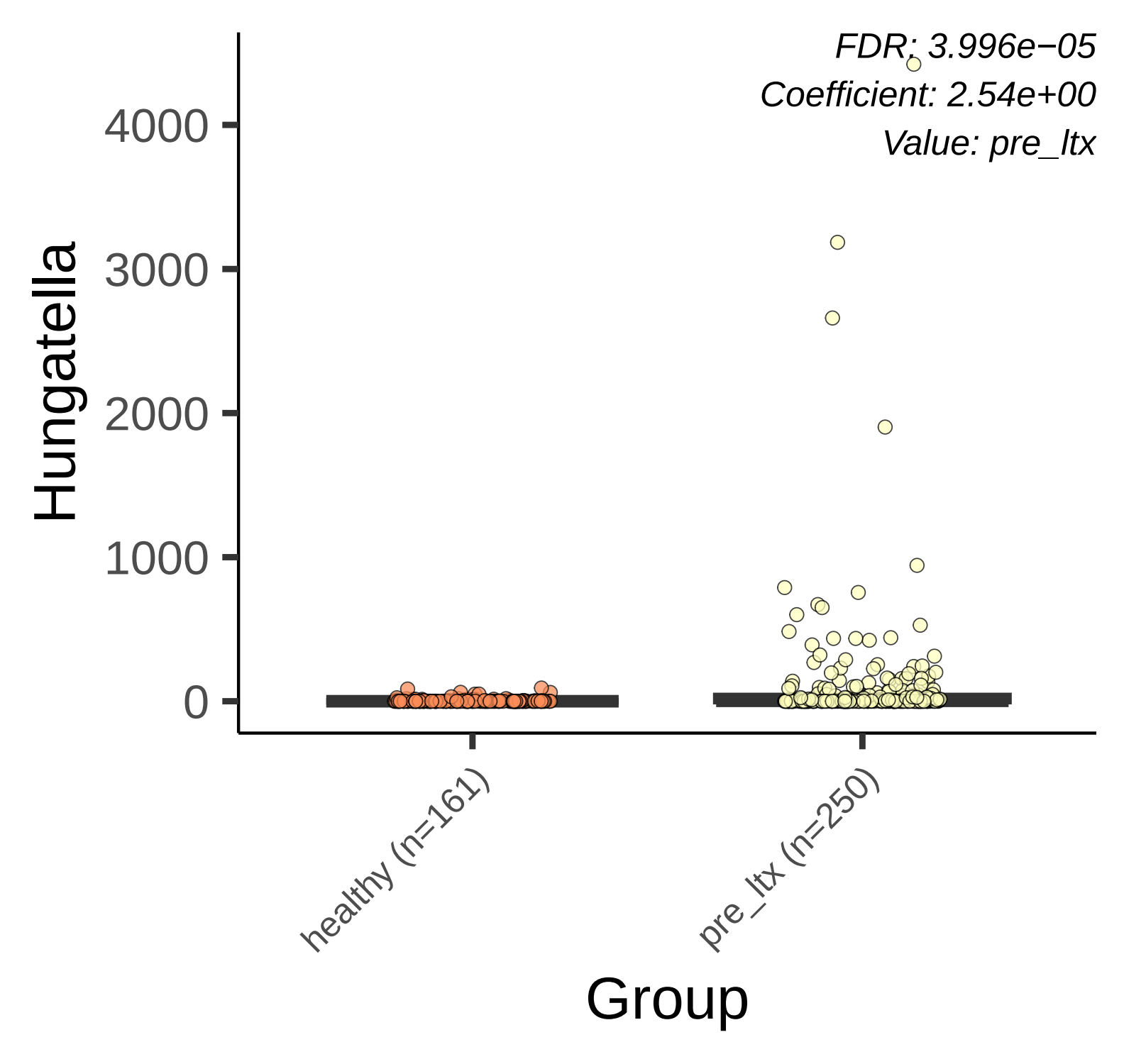

FDR: 1.500e−05
Coefficient: −2.09e+00
Value: pre_ltx
Senegalimassilia
400
200
0
healthy (n=161)
pre_ltx (n=250)
Group

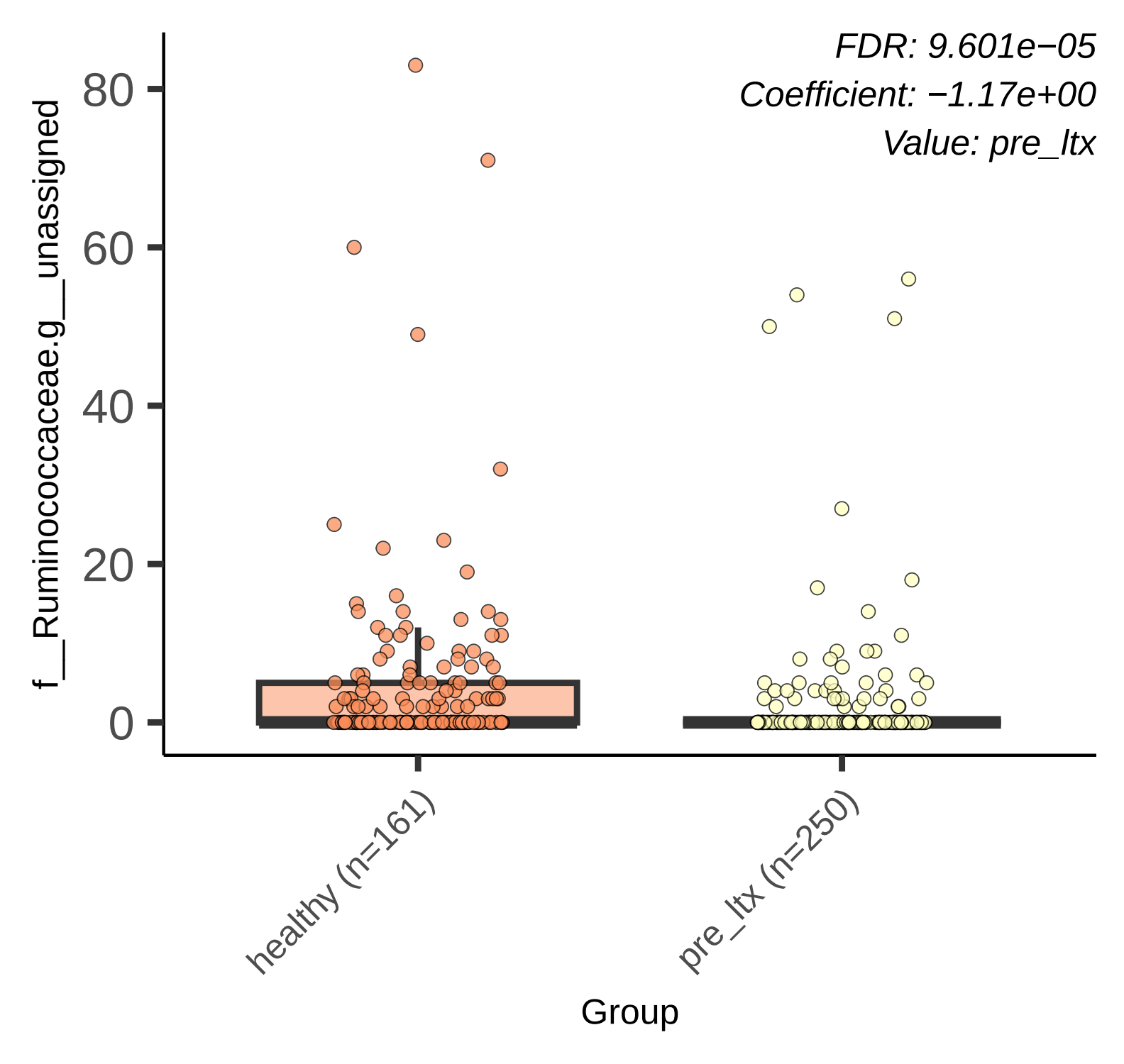

FDR: 1.532e−05
Coefficient: −1.71e+00
Value: pre_ltx
f__Lachnospiraceae.g__unassigned
7500
5000
2500
0
healthy (n=161)
pre_ltx (n=250)
Group

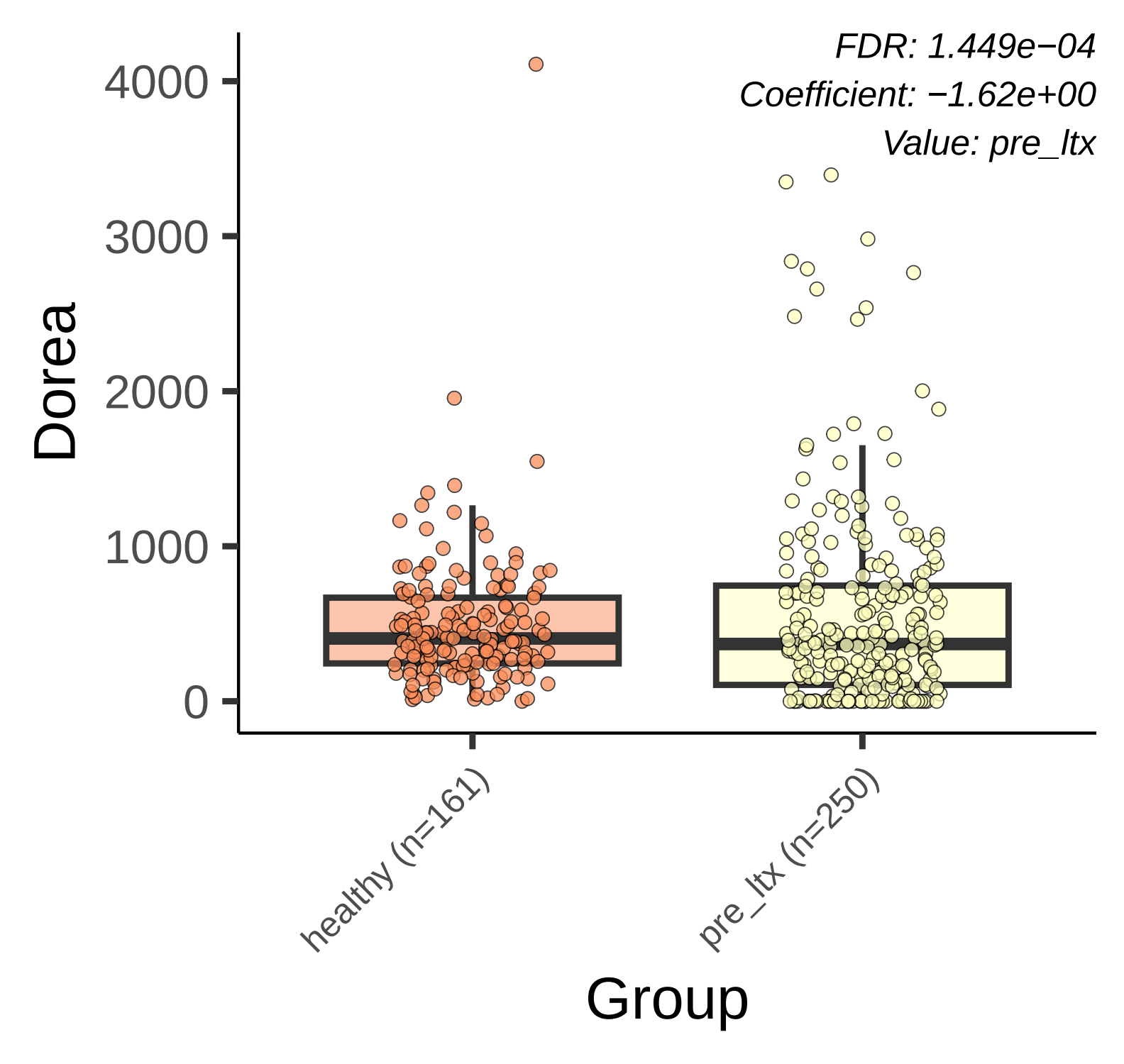

FDR: 1.972e−05
Coefficient: −1.70e+00
Value: pre_ltx
f__Oscillospiraceae.g__unassigned
400
300
200
100
0
healthy (n=161)
pre_ltx (n=250)
Group

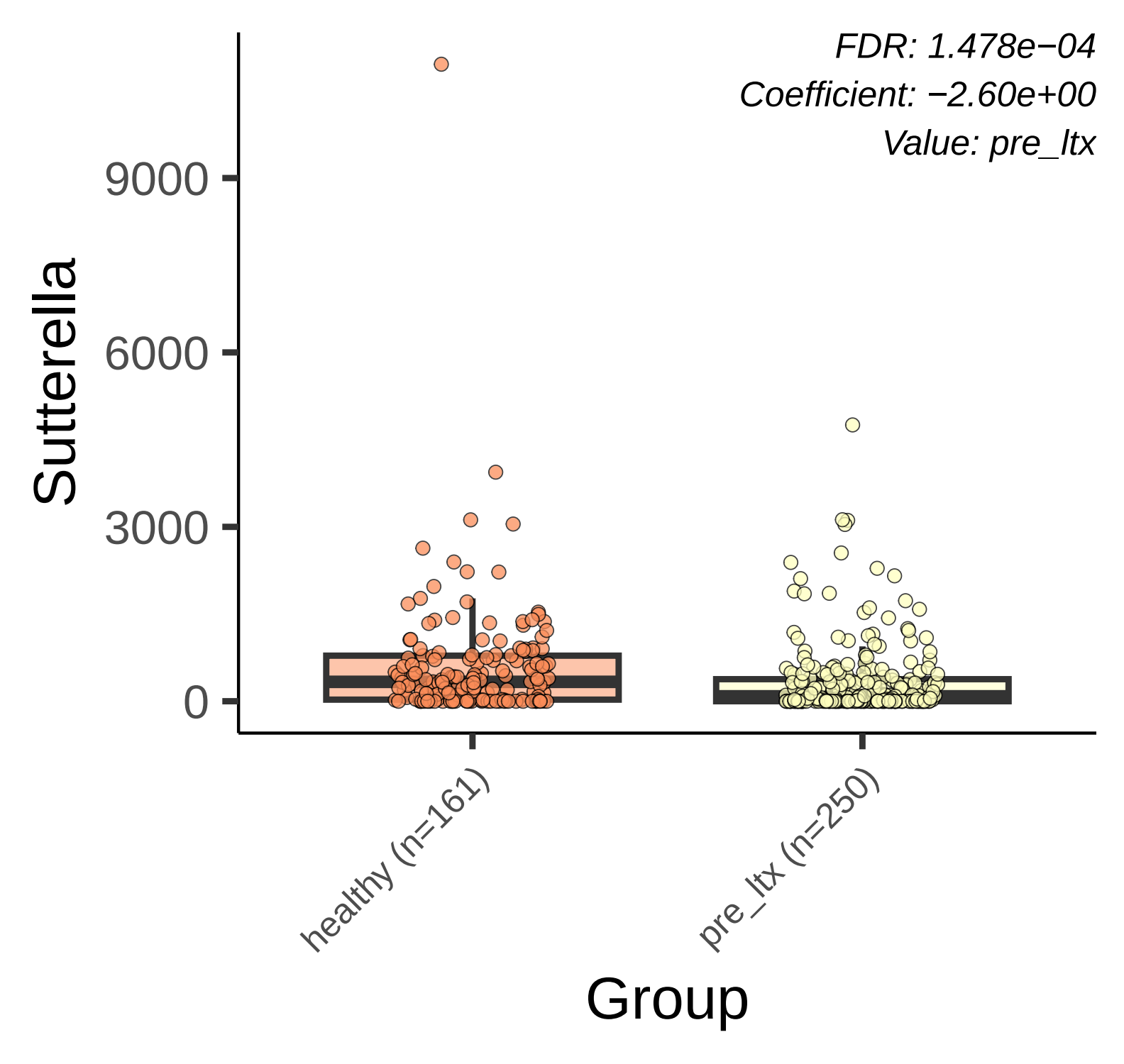

FDR: 2.615e−05
Coefficient: −2.37e+00
Value: pre_ltx
Collinsella
3000
2000
1000
0
healthy (n=161)
pre_ltx (n=250)
Group

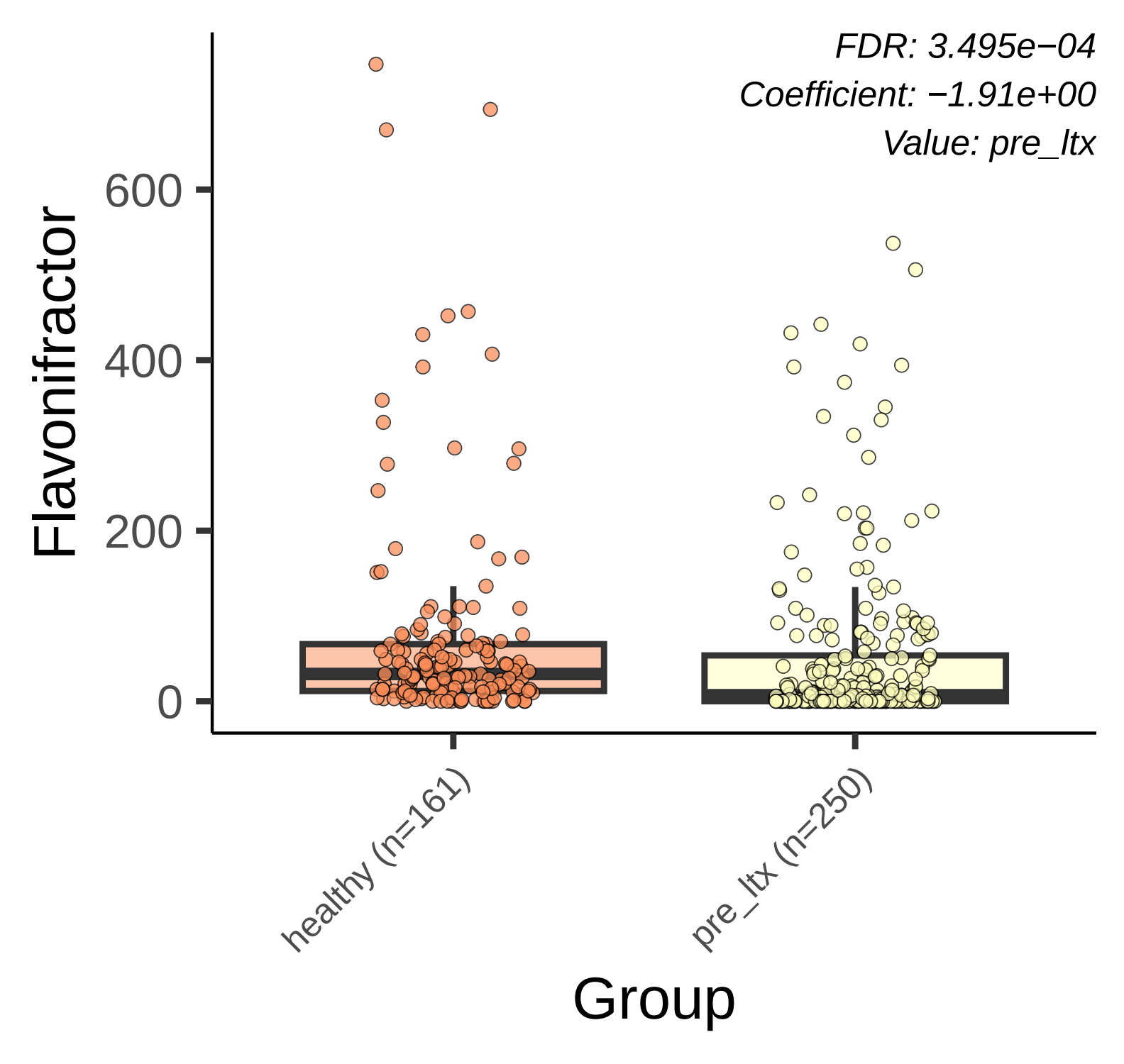

FDR: 3.529e−05
Coefficient: −1.29e+00
Value: pre_ltx
f__Peptococcaceae.g__uncultured
600
400
200
0
healthy (n=161)
pre_ltx (n=250)
Group

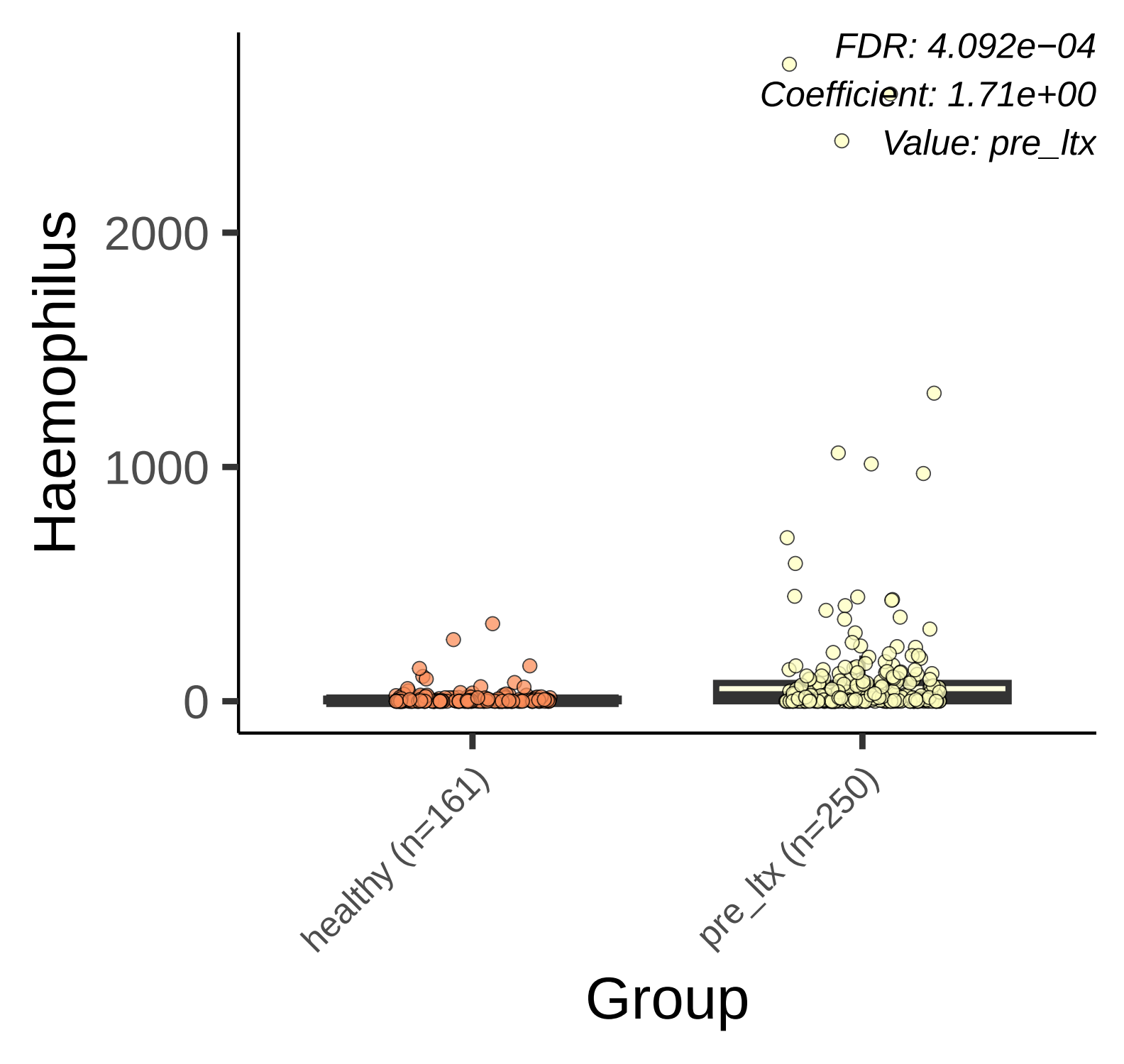

FDR: 3.996e−05
Coefficient: 2.54e+00
Value: pre_ltx
Hungatella
4000
3000
2000
1000
0
healthy (n=161)
pre_ltx (n=250)
Group

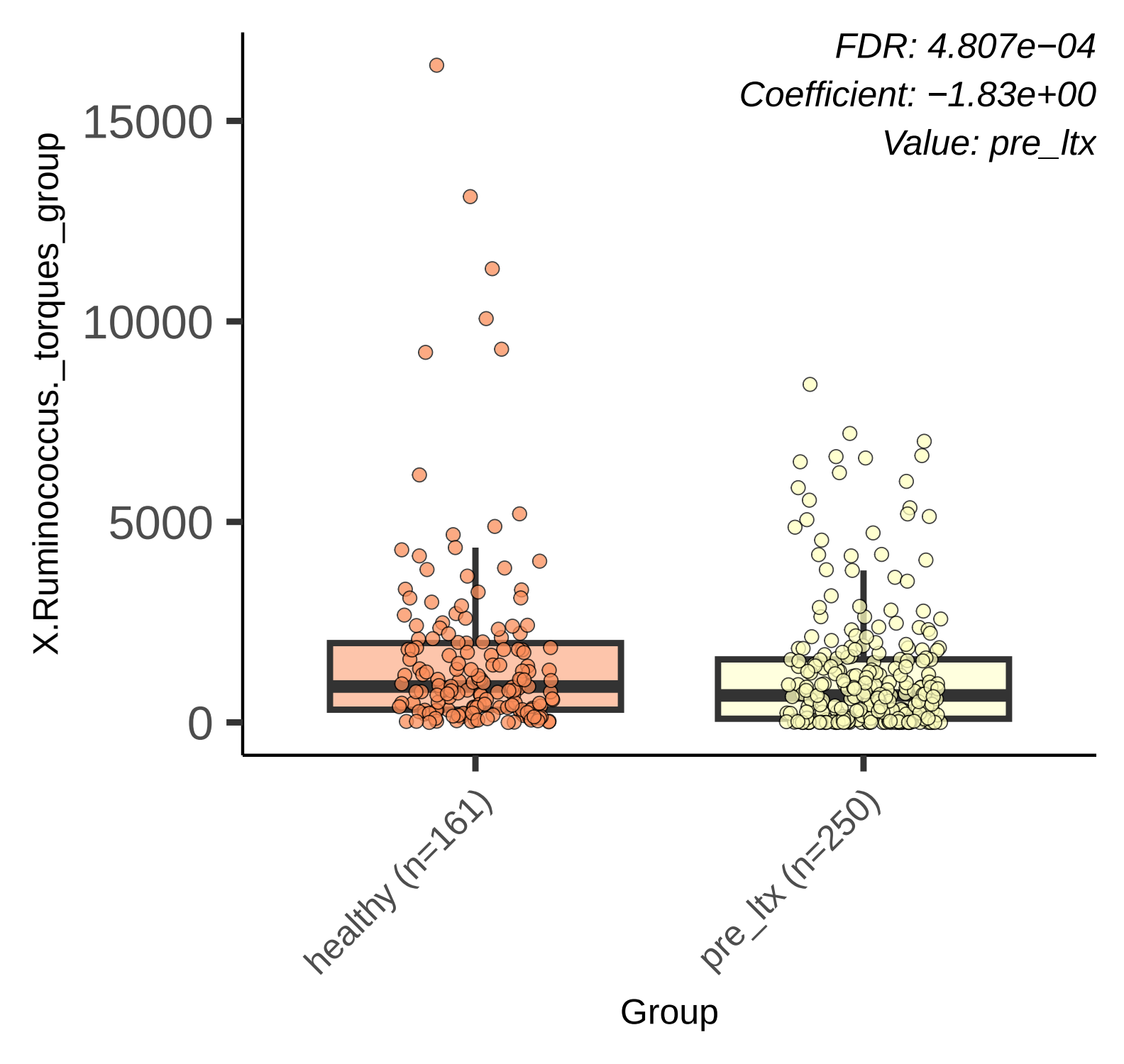

FDR: 9.601e−05
Coefficient: −1.17e+00
Value: pre_ltx
f__Ruminococcaceae.g__unassigned
80
60
40
20
0
healthy (n=161)
pre_ltx (n=250)
Group

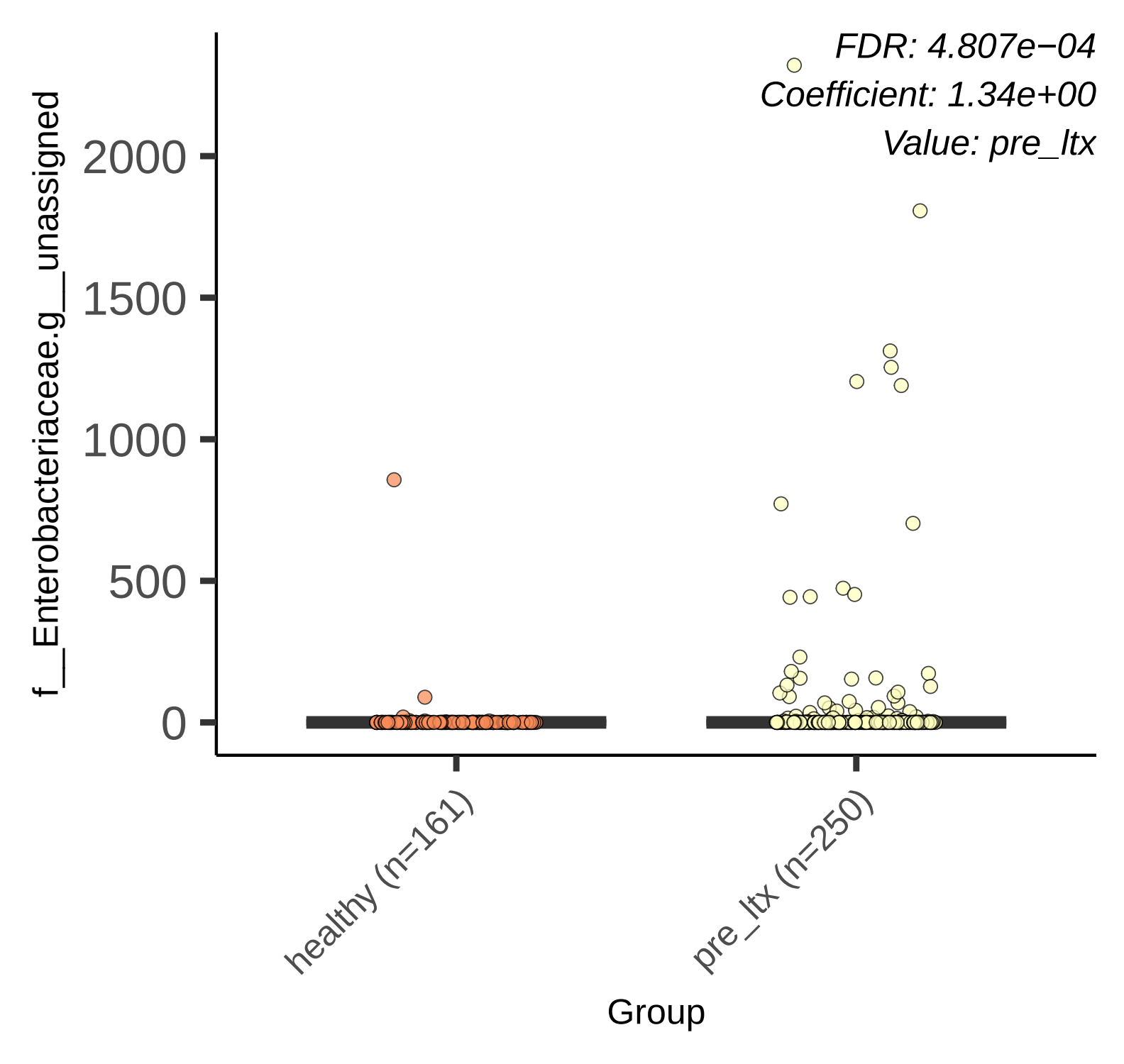

FDR: 1.449e−04
Coefficient: −1.62e+00
Value: pre_ltx
4000
3000
2000
1000
0
Dorea
healthy (n=161)
pre_ltx (n=250)
Group

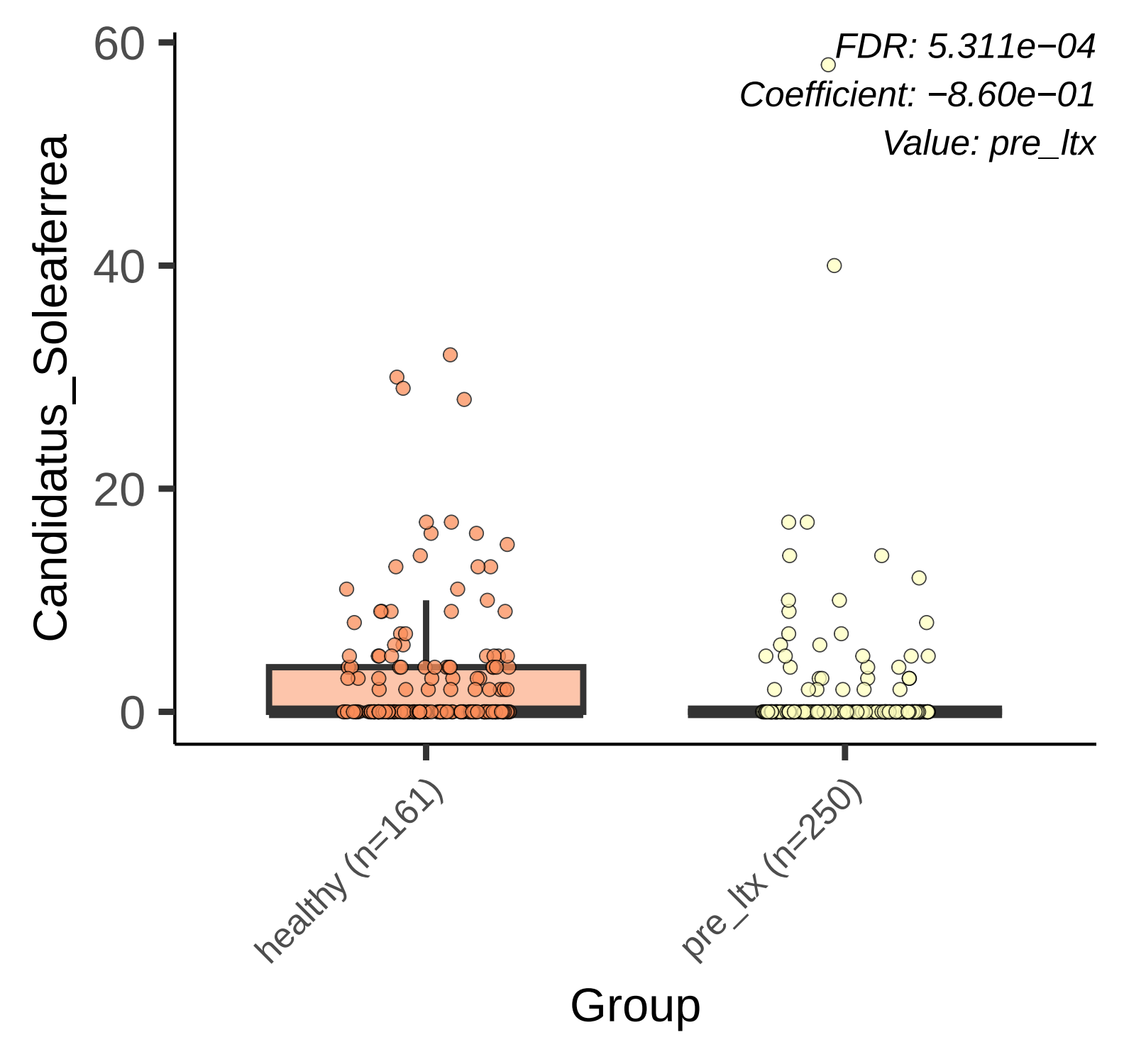

FDR: 1.478e−04
Coefficient: −2.60e+00
Value: pre_ltx
Sutterella
9000
6000
3000
0
healthy (n=161)
pre_ltx (n=250)
Group

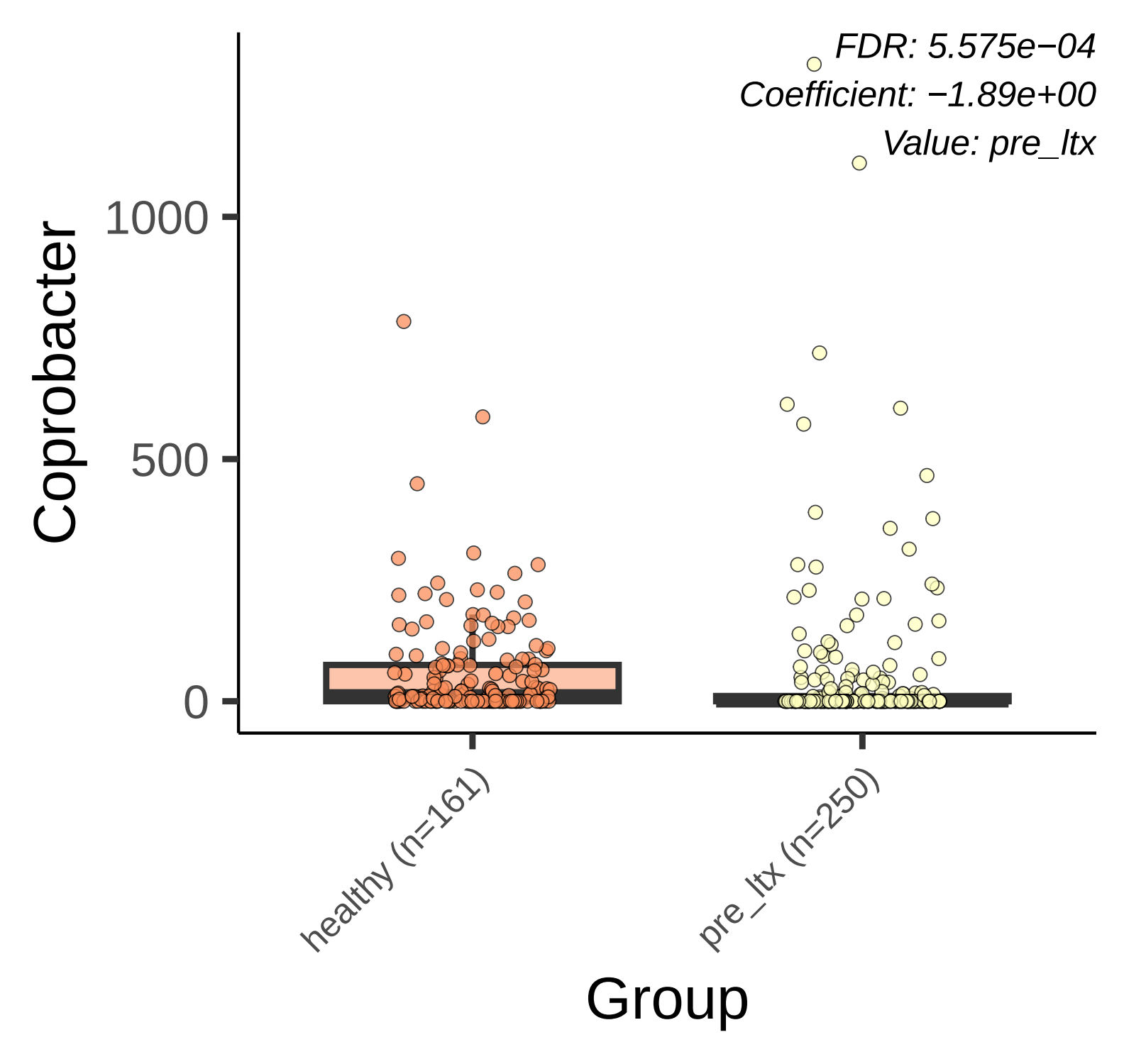

FDR: 3.495e−04
Coefficient: −1.91e+00
Value: pre_ltx
Flavonifractor
600
400
200
0
healthy (n=161)
pre_ltx (n=250)
Group

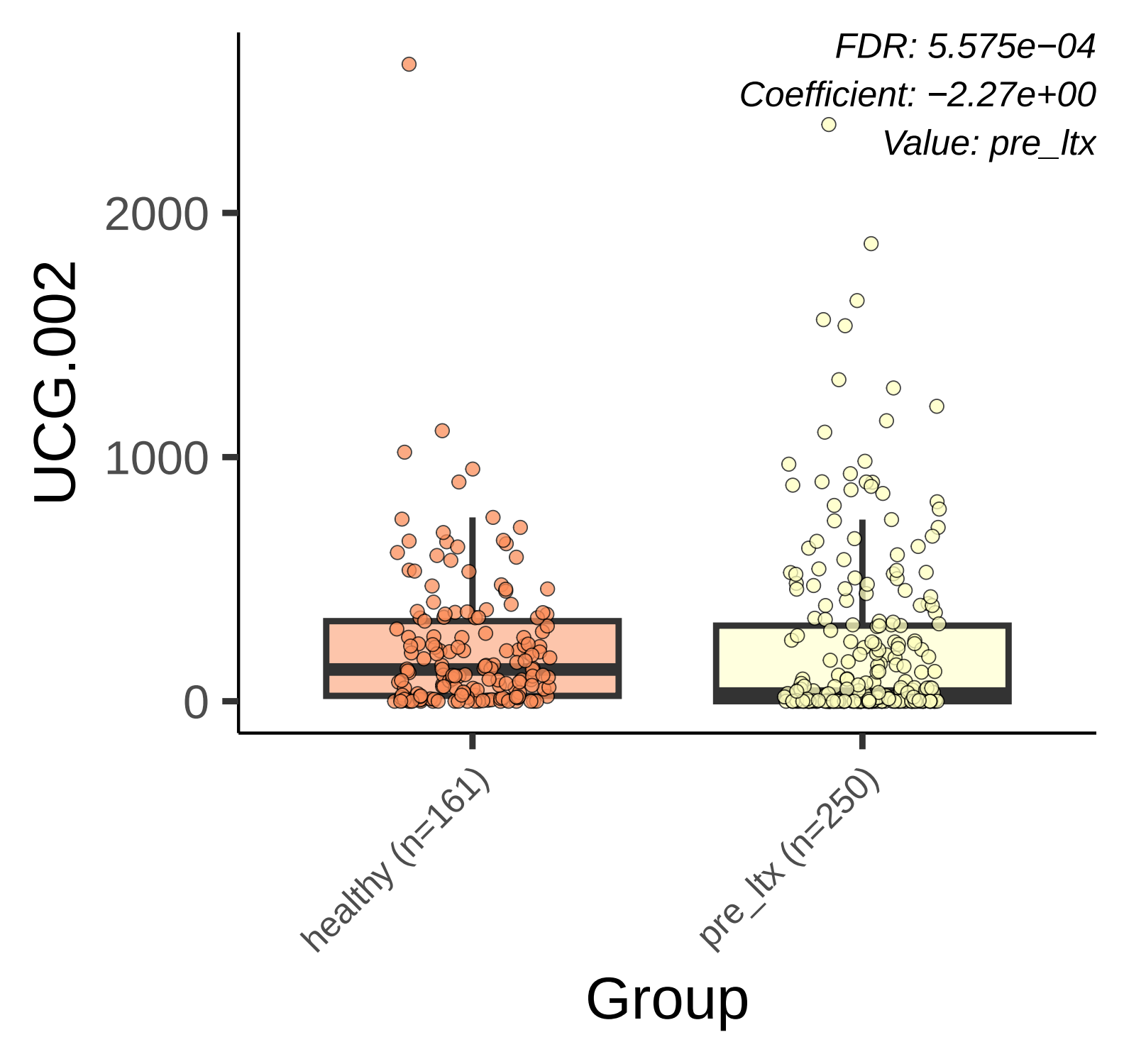

FDR: 4.092e−04
Coefficient: 1.71e+00
Value: pre_ltx
Haemophilus
2000
1000
0
healthy (n=161)
pre_ltx (n=250)
Group

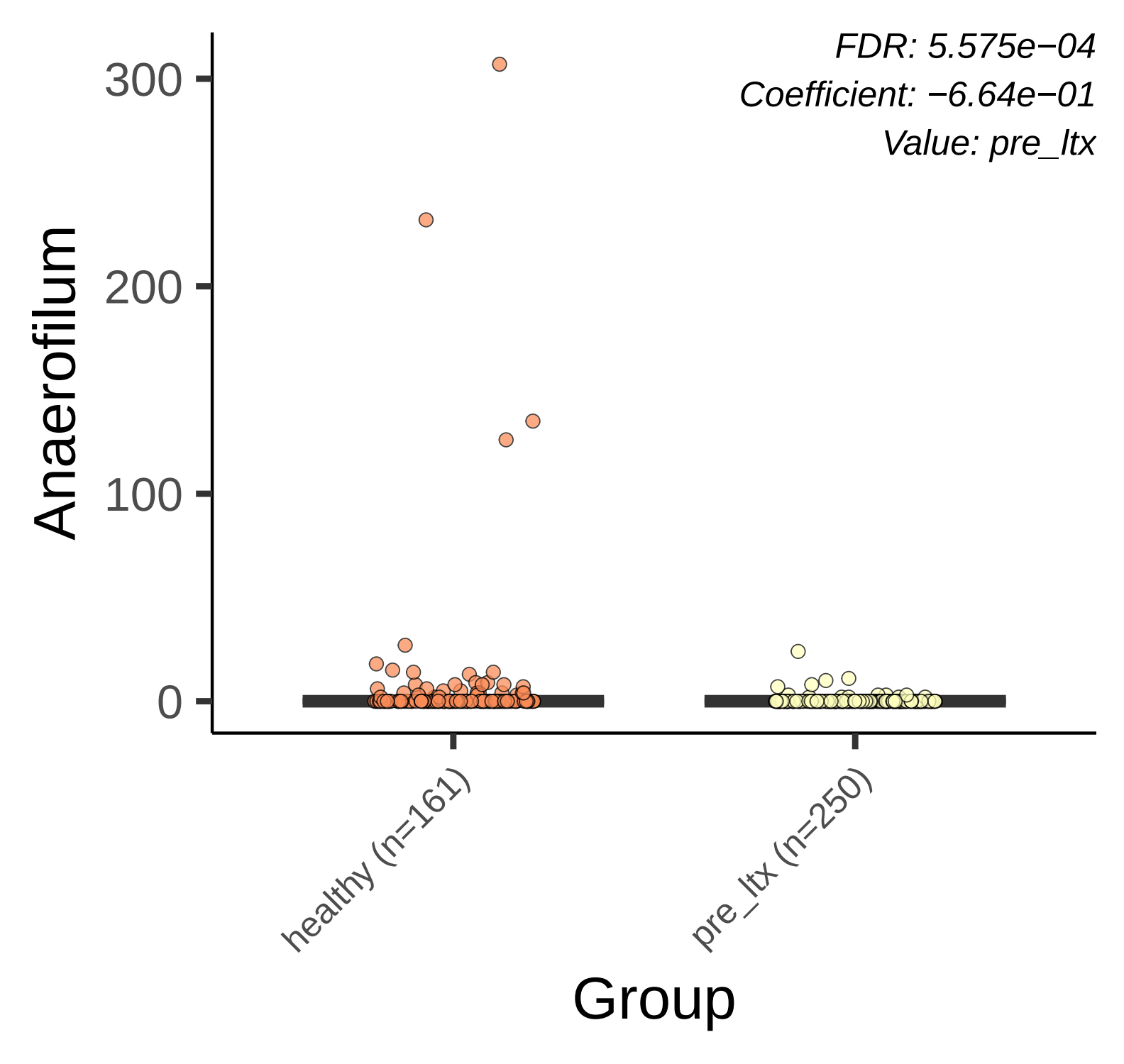

FDR: 4.807e−04
Coefficient: −1.83e+00
Value: pre_ltx
X.Ruminococcus._torques_group
15000
10000
5000
0
healthy (n=161)
pre_ltx (n=250)
Group

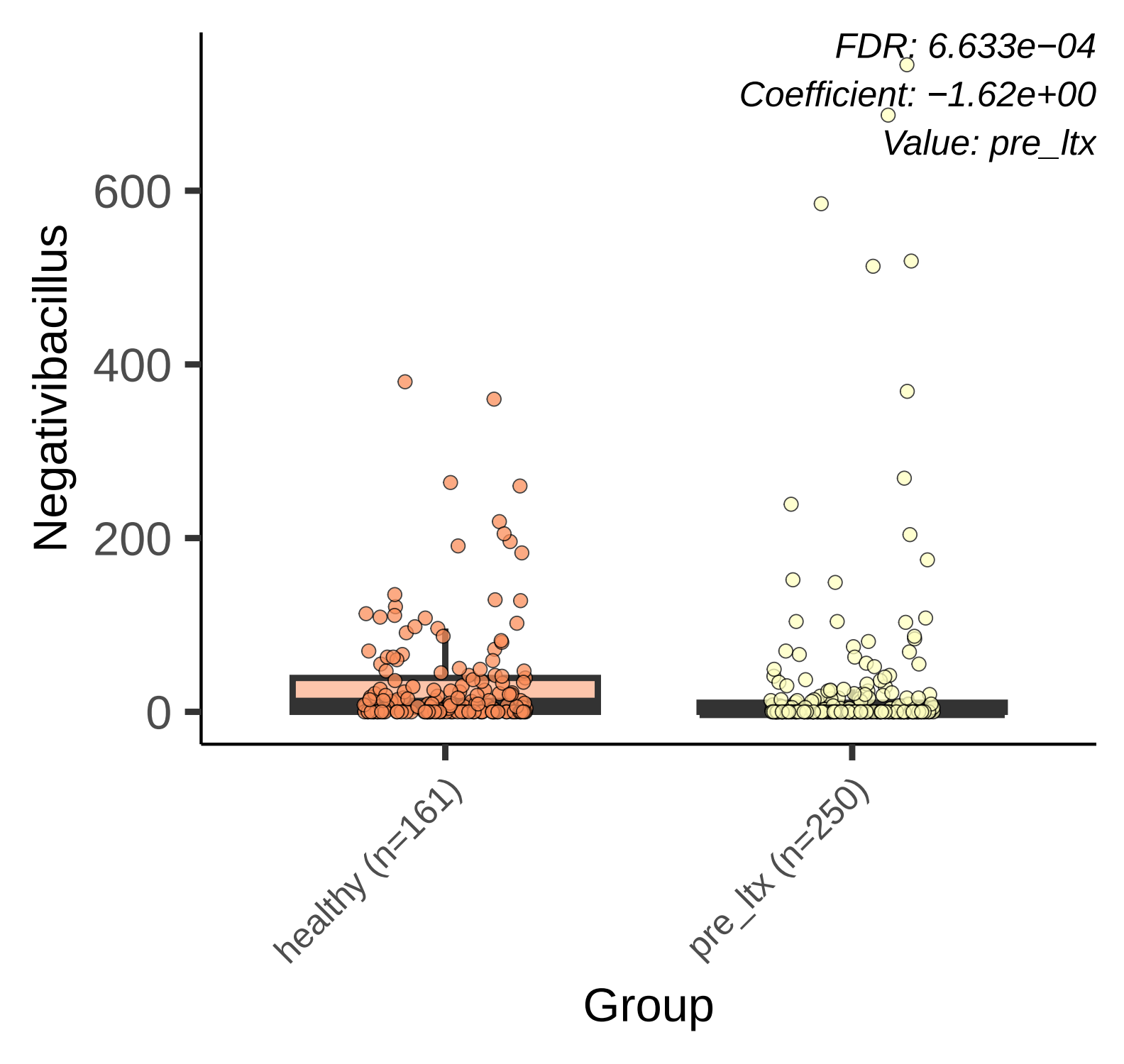

FDR: 4.807e−04
Coefficient: 1.34e+00
Value: pre_ltx
f__Enterobacteriaceae.g__unassigned
2000
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

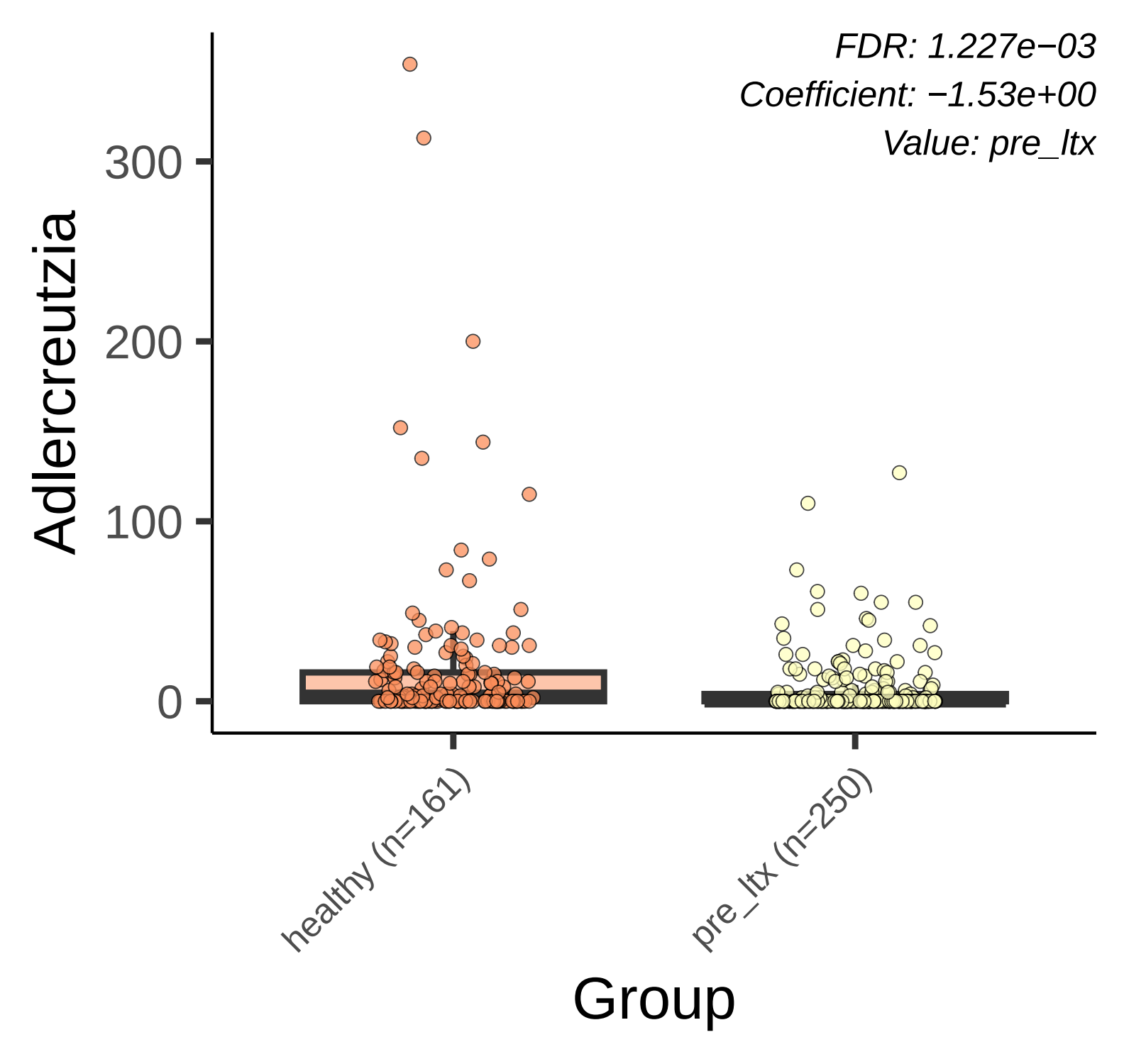

FDR: 5.311e−04
Coefficient: −8.60e−01
Value: pre_ltx
Candidatus_Soleaferrea
60
40
20
0
healthy (n=161)
pre_ltx (n=250)
Group

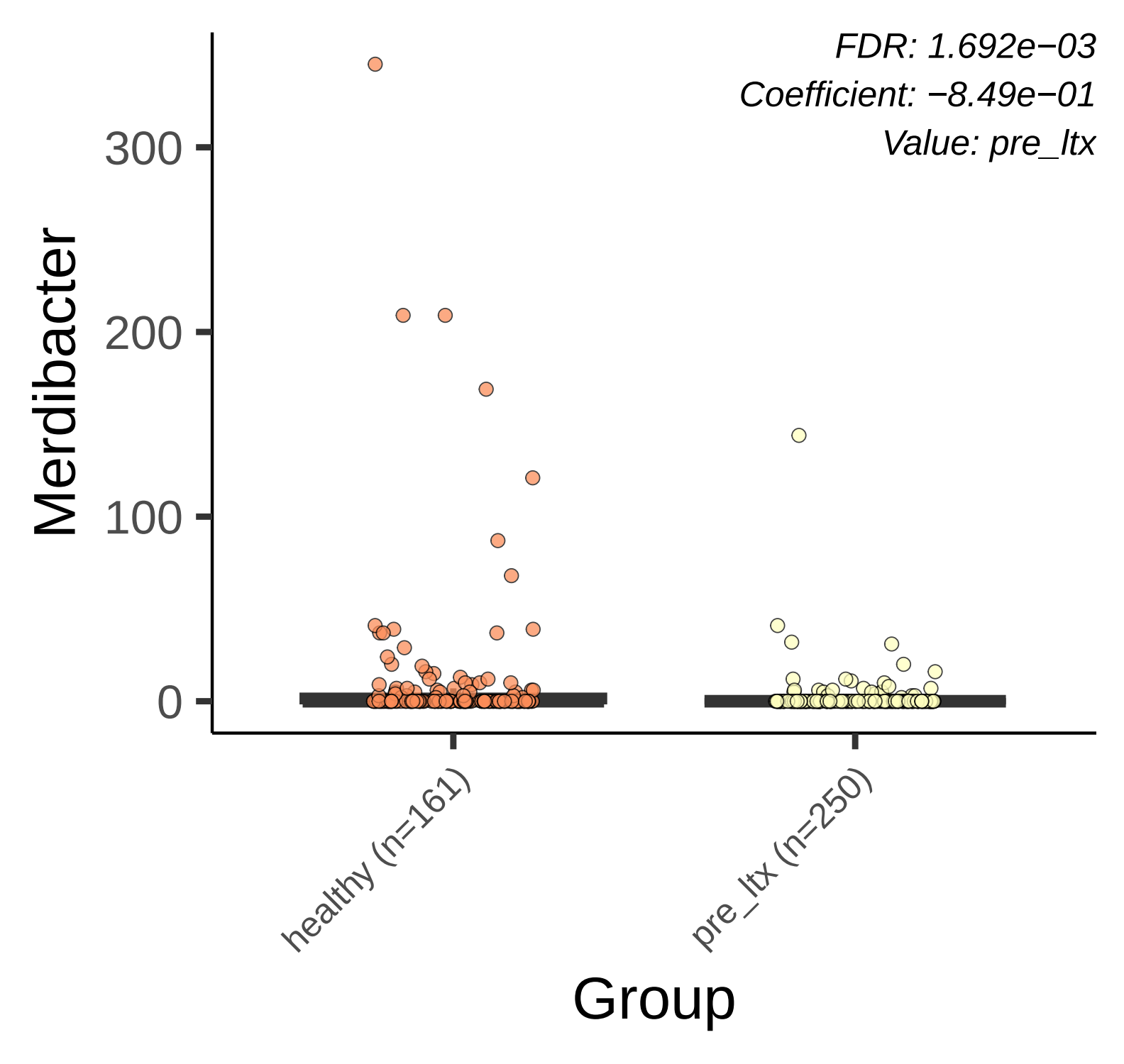

FDR: 5.575e−04
Coefficient: −1.89e+00
Value: pre_ltx
Coprobacter
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

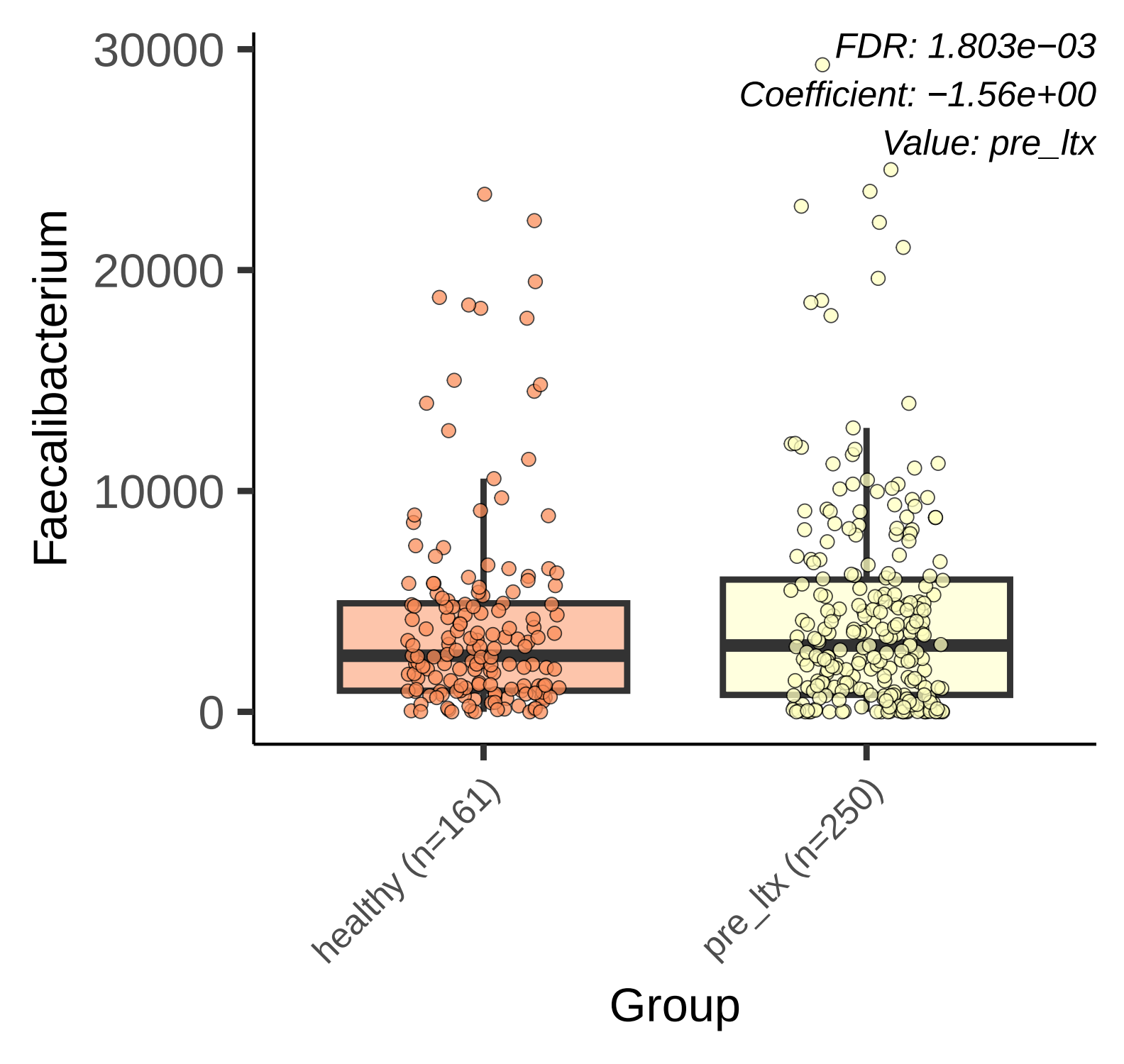

FDR: 5.575e−04
Coefficient: −2.27e+00
Value: pre_ltx
UCG.002
2000
1000
0
healthy (n=161)
pre_ltx (n=250)
Group

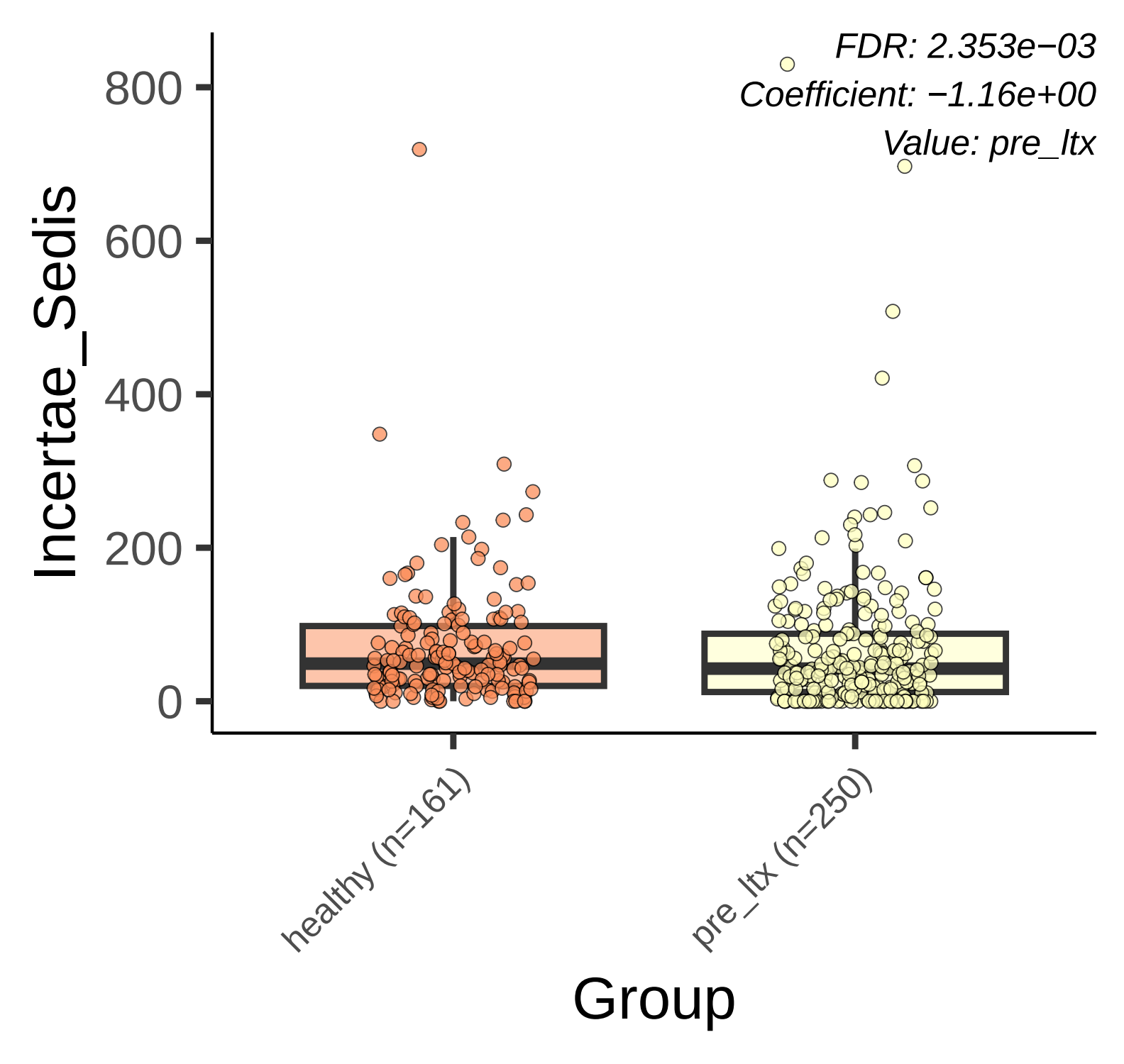

FDR: 5.575e−04
Coefficient: −6.64e−01
Value: pre_ltx
Anaerofilum
300
200
100
0
healthy (n=161)
pre_ltx (n=250)
Group

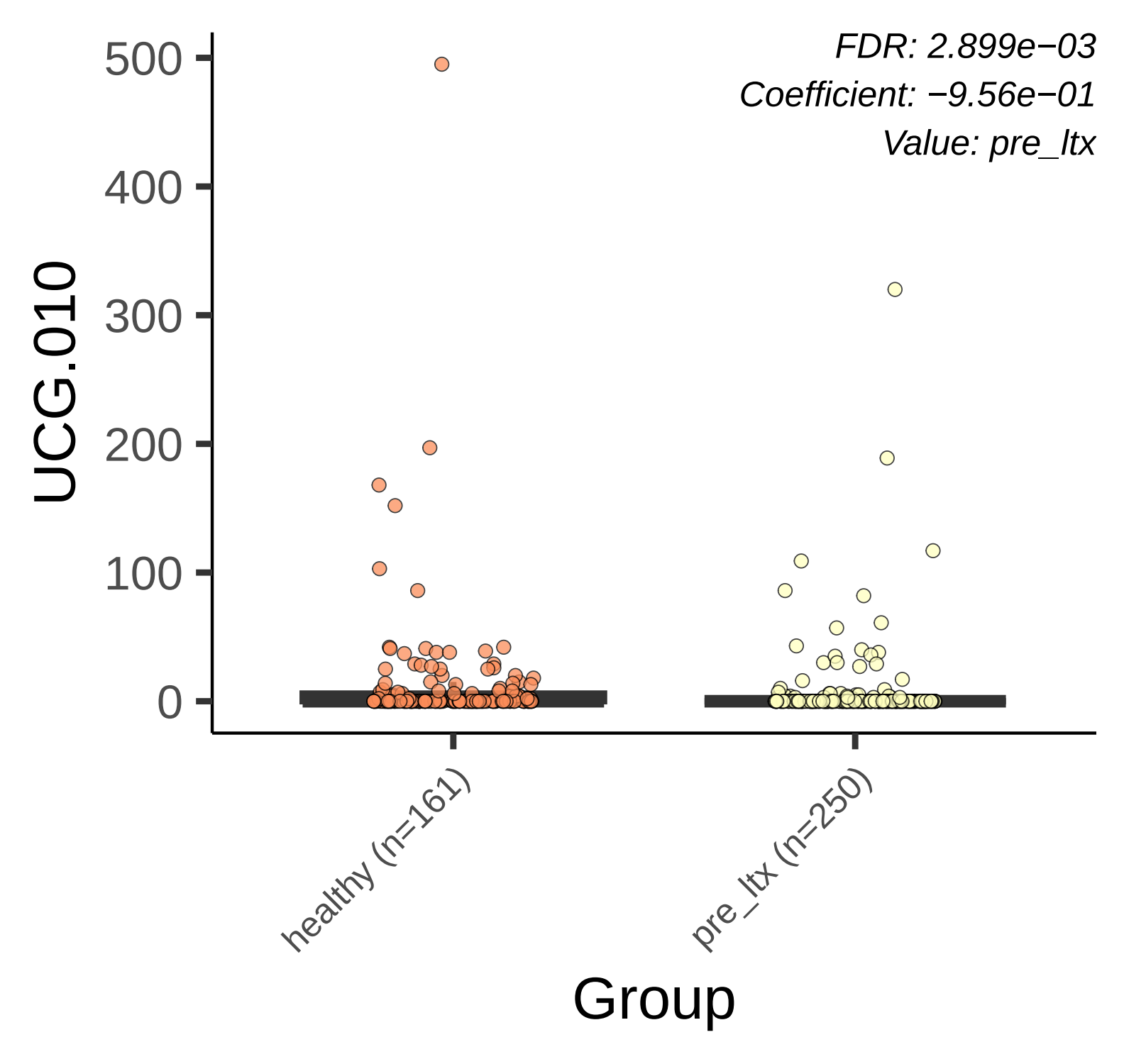

FDR: 6.633e−04
Coefficient: −1.62e+00
Value: pre_ltx
Negativibacillus
600
400
200
0
healthy (n=161)
pre_ltx (n=250)
Group

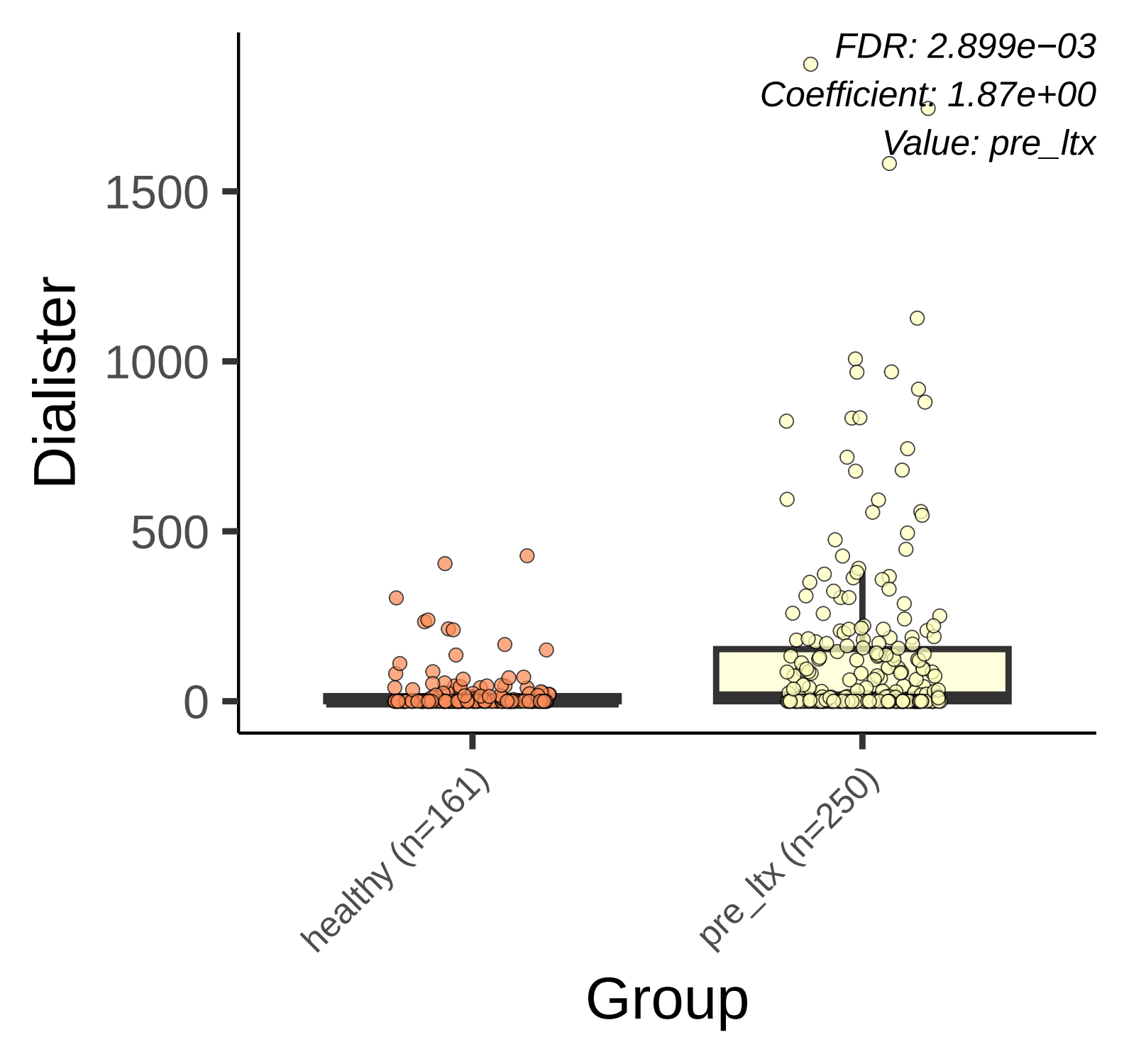

FDR: 1.227e−03
Coefficient: −1.53e+00
Value: pre_ltx
Adlercreutzia
300
200
100
0
healthy (n=161)
pre_ltx (n=250)
Group

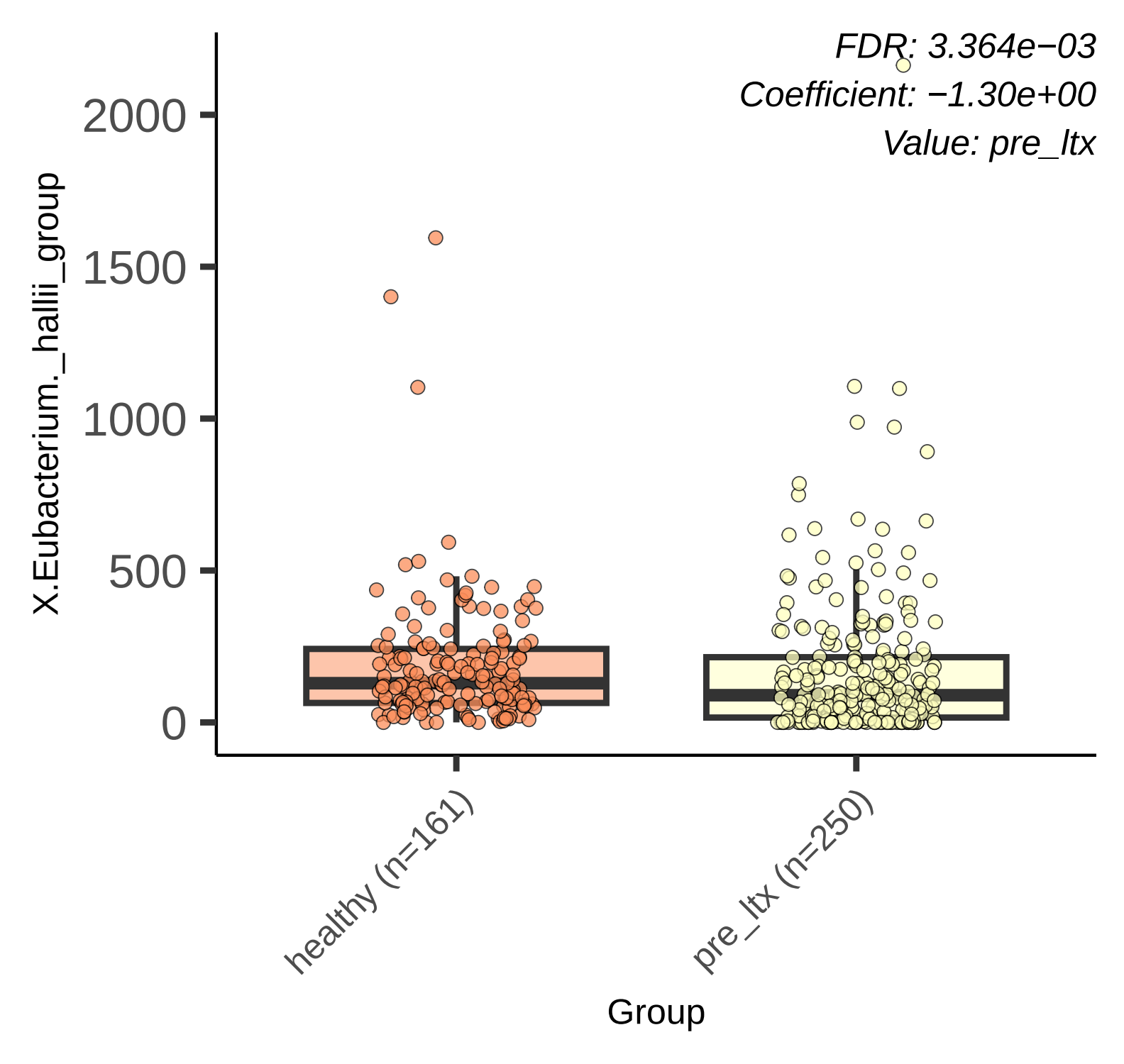

FDR: 1.692e−03
Coefficient: −8.49e−01
Value: pre_ltx
Merdibacter
300
200
100
0
healthy (n=161)
pre_ltx (n=250)
Group

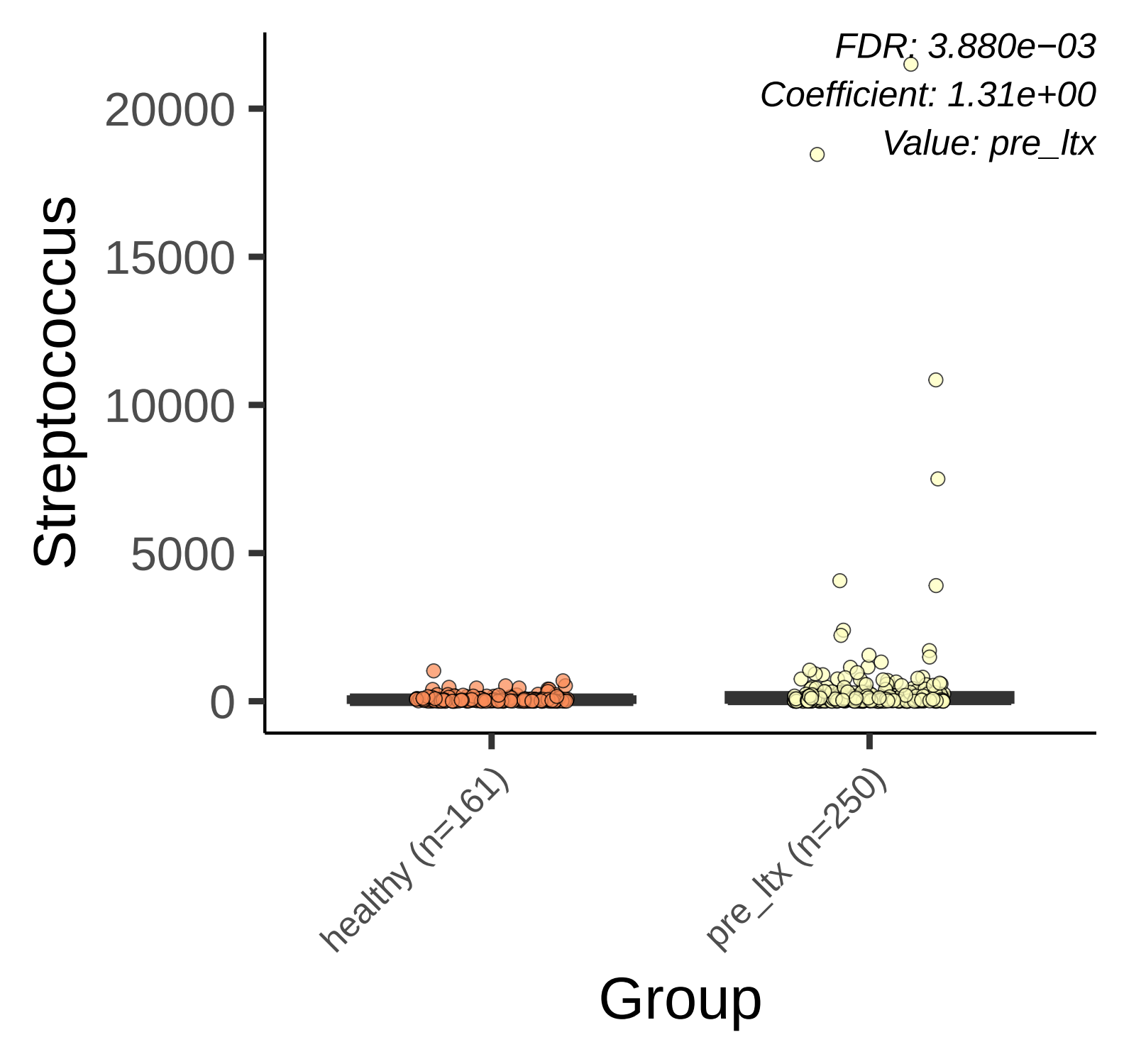

FDR: 1.803e−03
Coefficient: −1.56e+00
Value: pre_ltx
Faecalibacterium
30000
20000
10000
0
healthy (n=161)
pre_ltx (n=250)
Group

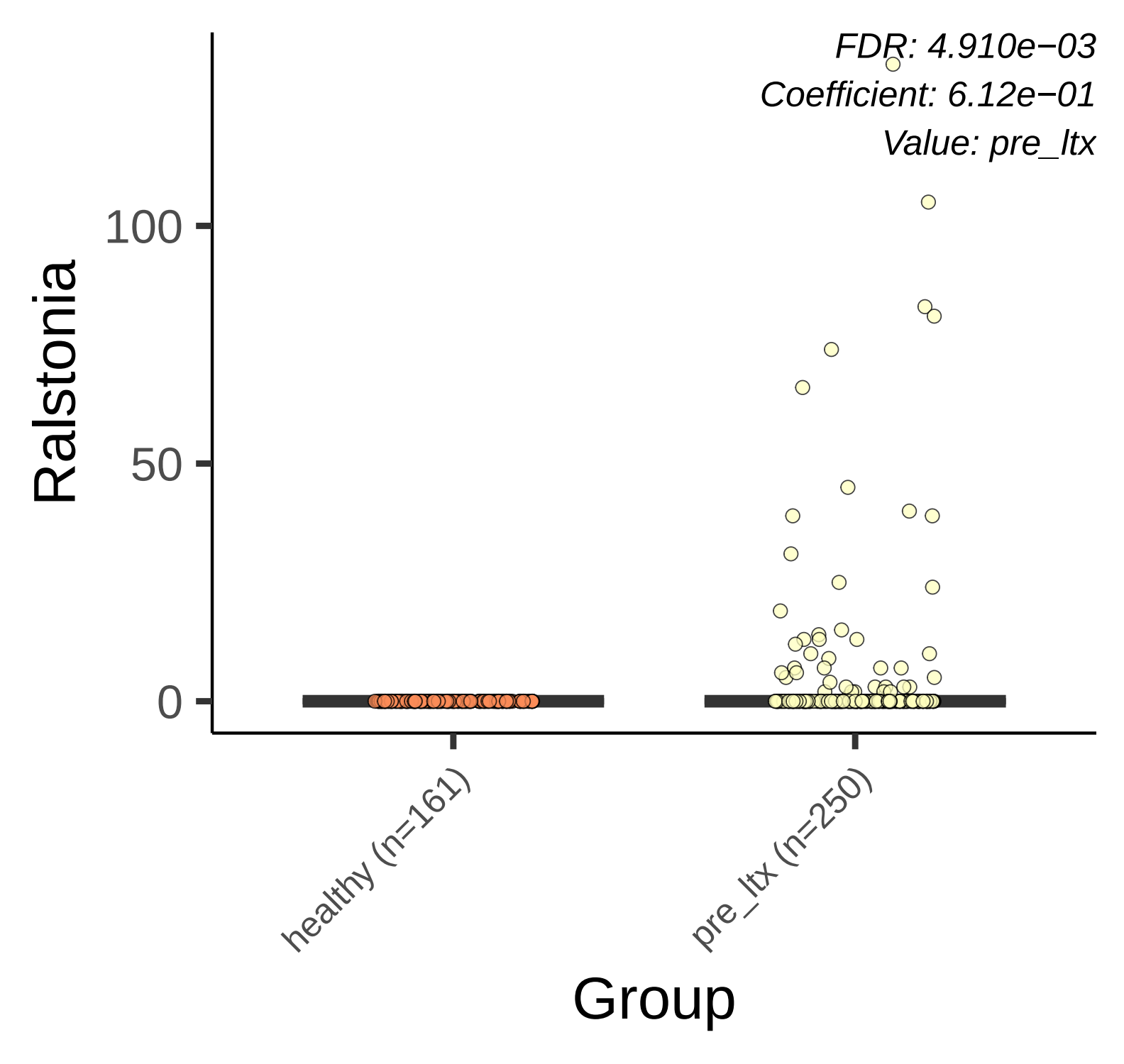

FDR: 2.353e−03
Coefficient: −1.16e+00
Value: pre_ltx
Incertae_Sedis
800
600
400
200
0
healthy (n=161)
pre_ltx (n=250)
Group

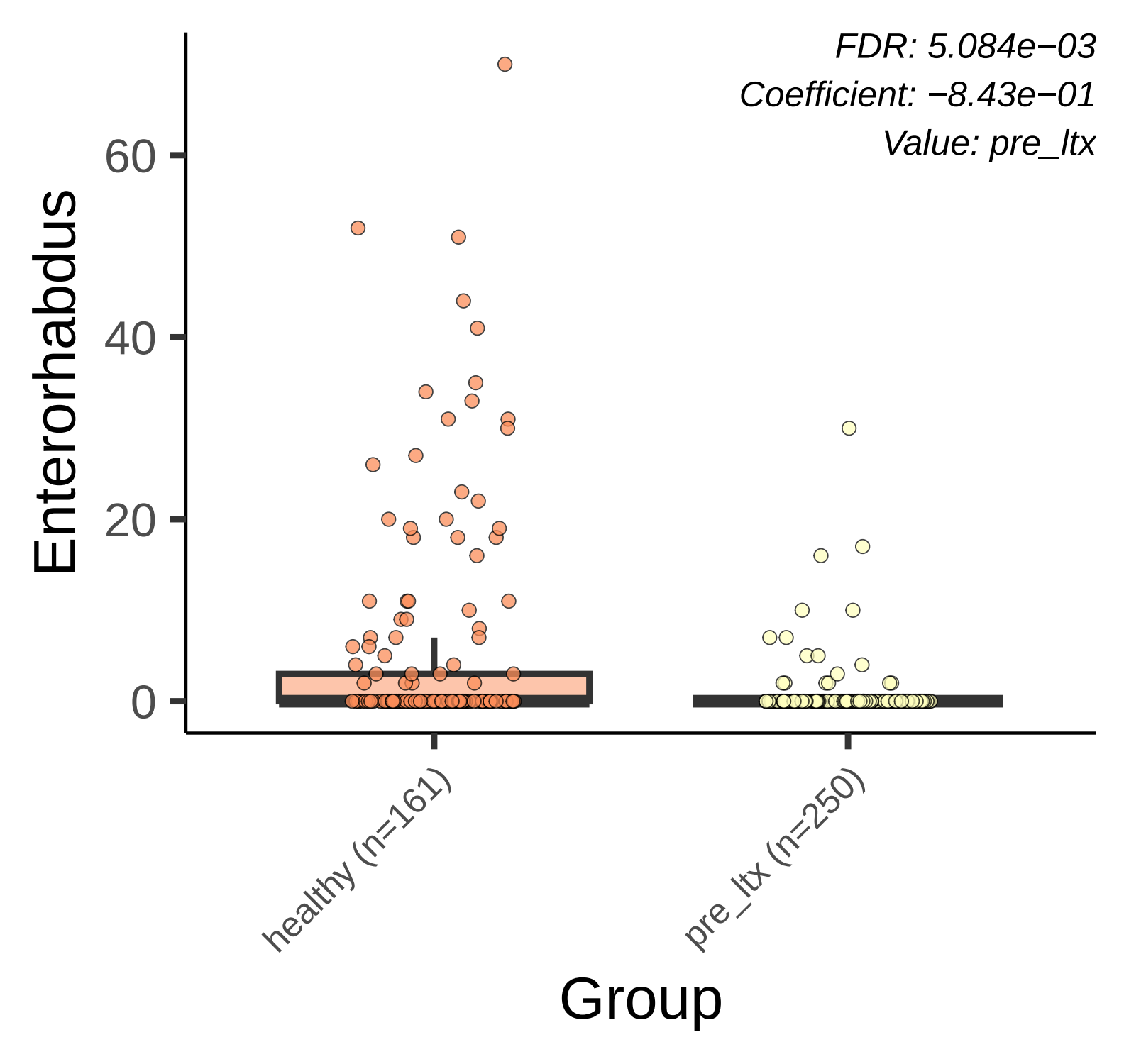

FDR: 2.899e−03
Coefficient: −9.56e−01
Value: pre_ltx
UCG.010
500
400
300
200
100
0
healthy (n=161)
pre_ltx (n=250)
Group

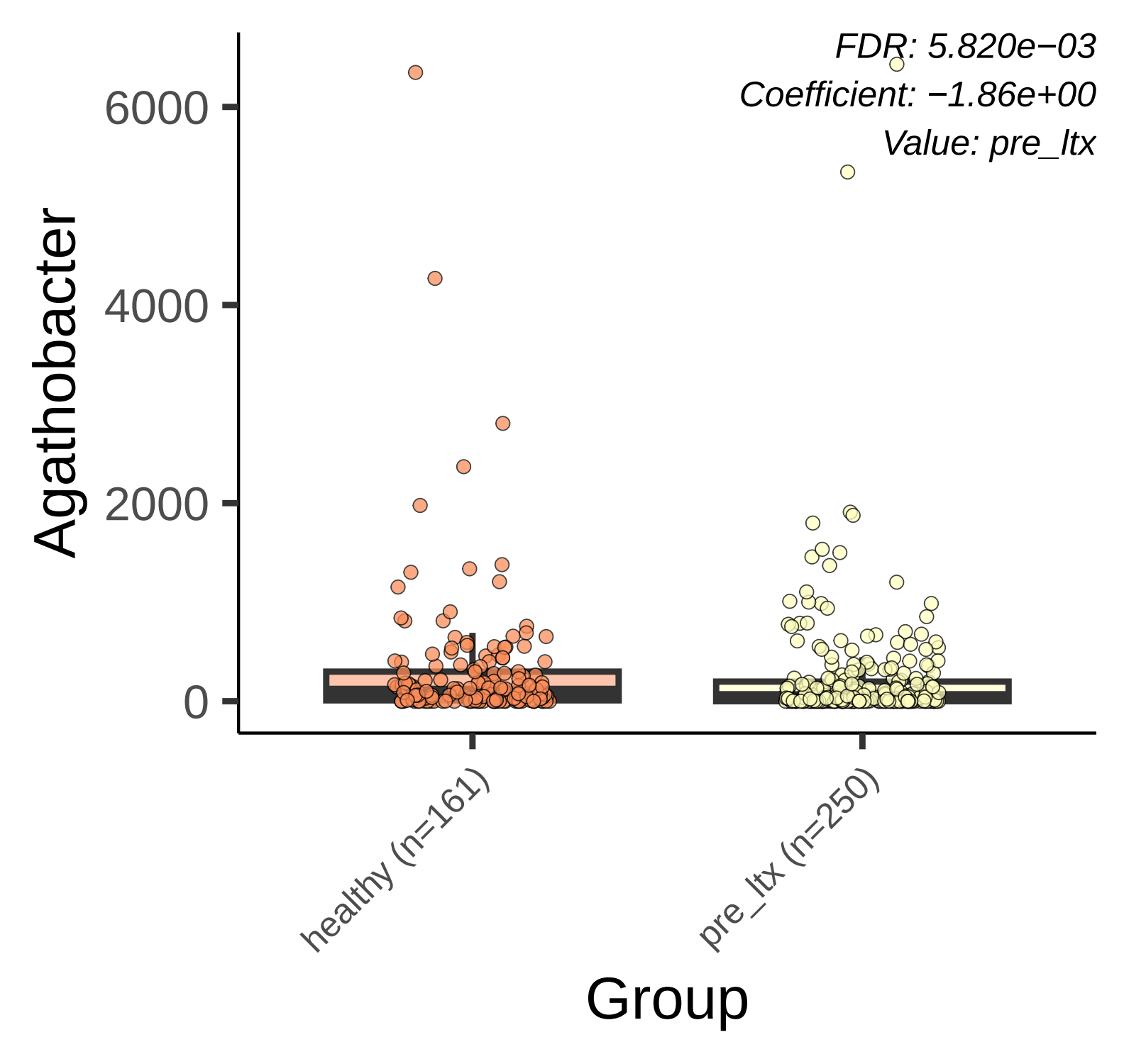

FDR: 2.899e−03
Coefficient: 1.87e+00
Value: pre_ltx
Dialister
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

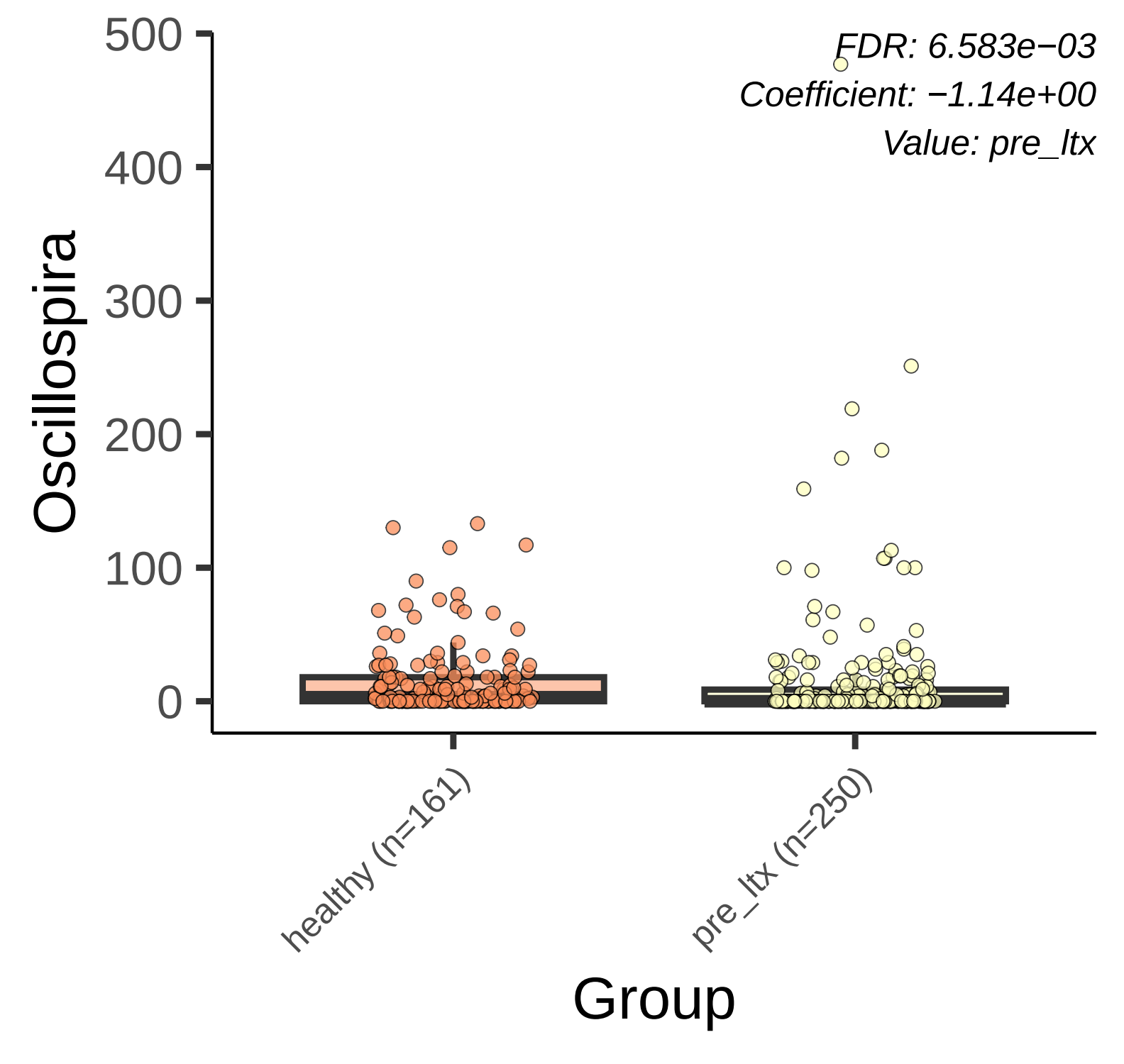

FDR: 3.364e−03
Coefficient: −1.30e+00
Value: pre_ltx
X.Eubacterium._hallii_group
2000
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

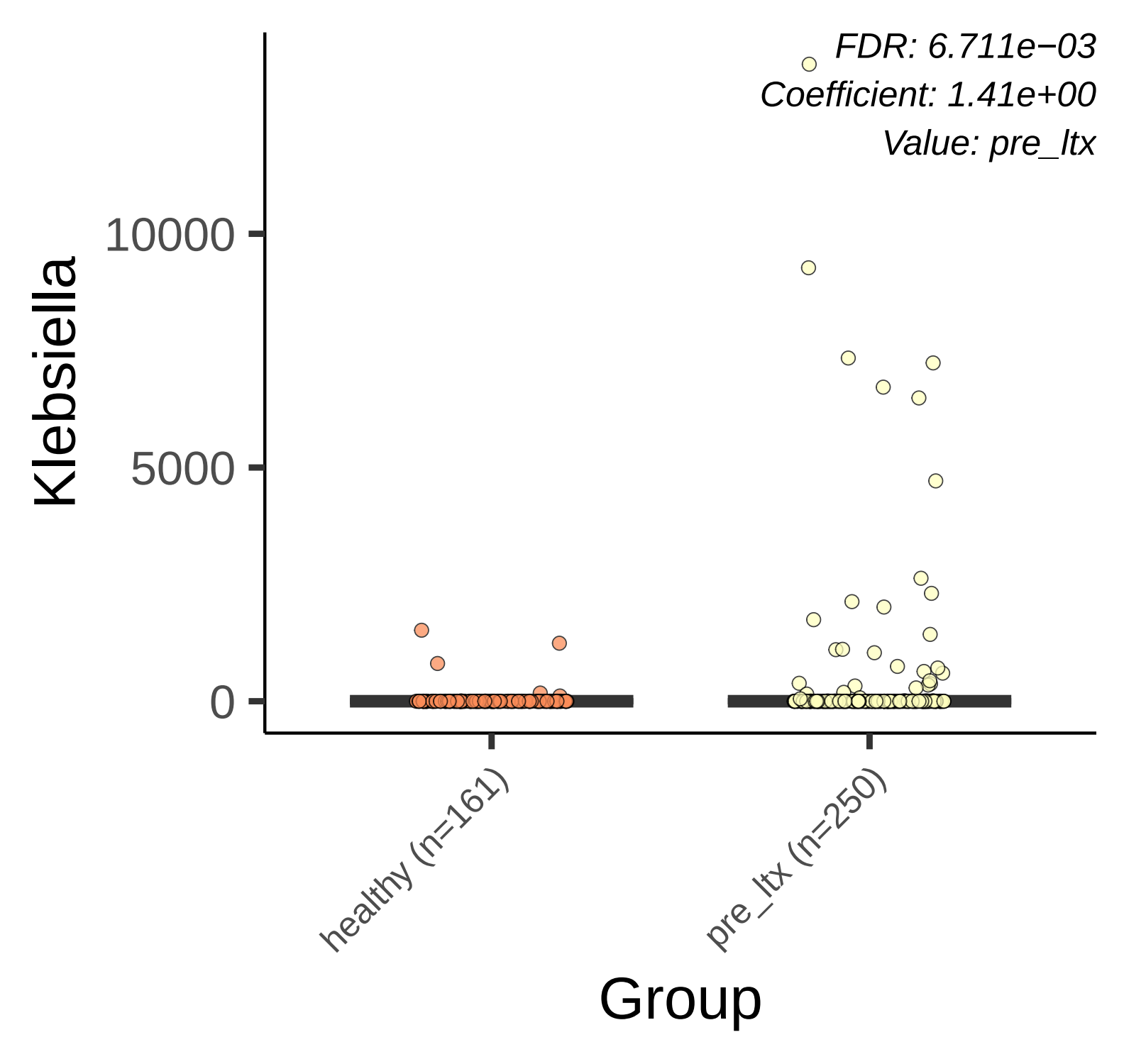

FDR: 3.880e−03
Coefficient: 1.31e+00
Value: pre_ltx
Streptococcus
20000
15000
10000
5000
0
healthy (n=161)
pre_ltx (n=250)
Group

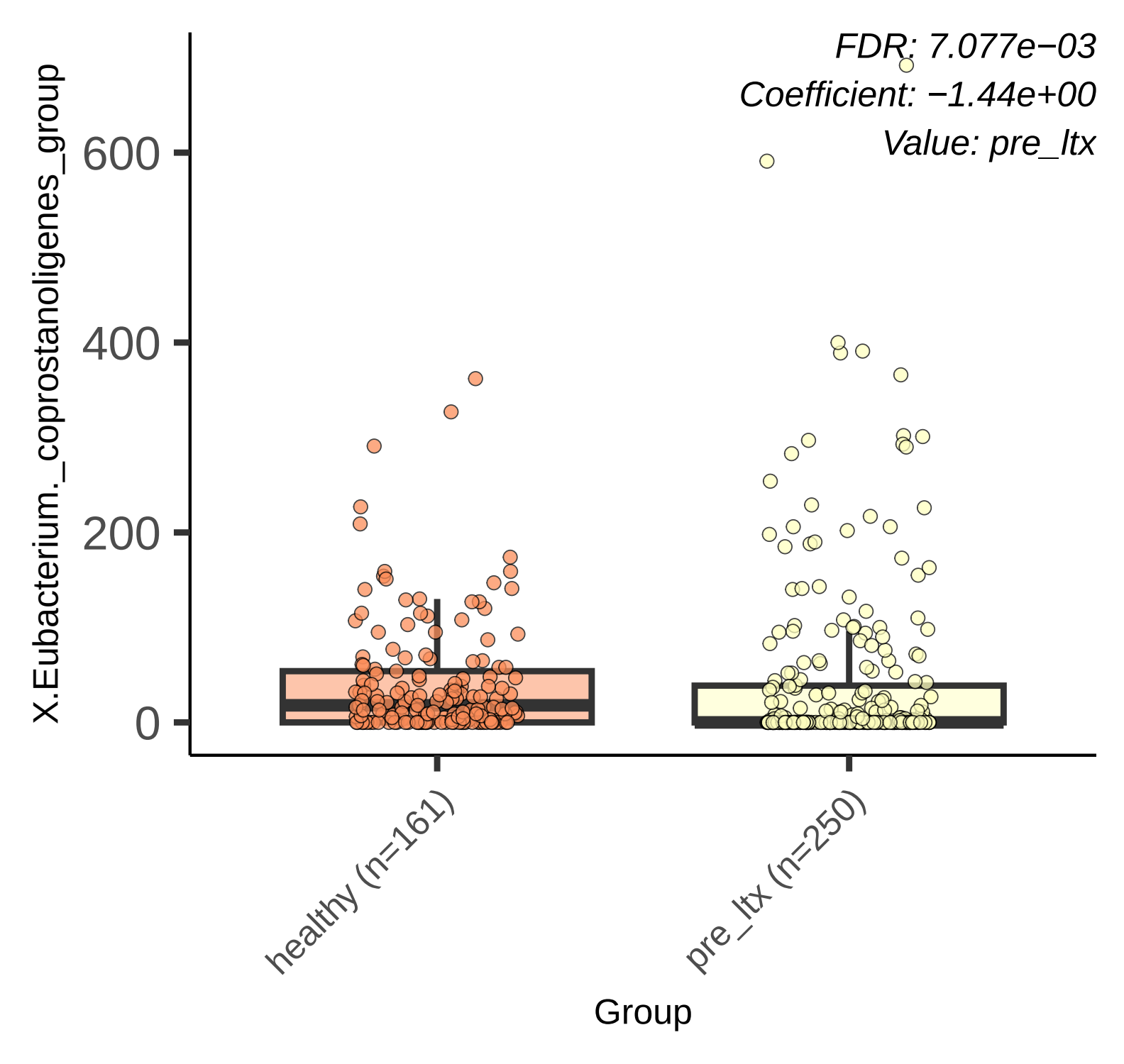

FDR: 4.910e−03
Coefficient: 6.12e−01
Value: pre_ltx
Ralstonia
100
50
0
healthy (n=161)
pre_ltx (n=250)
Group

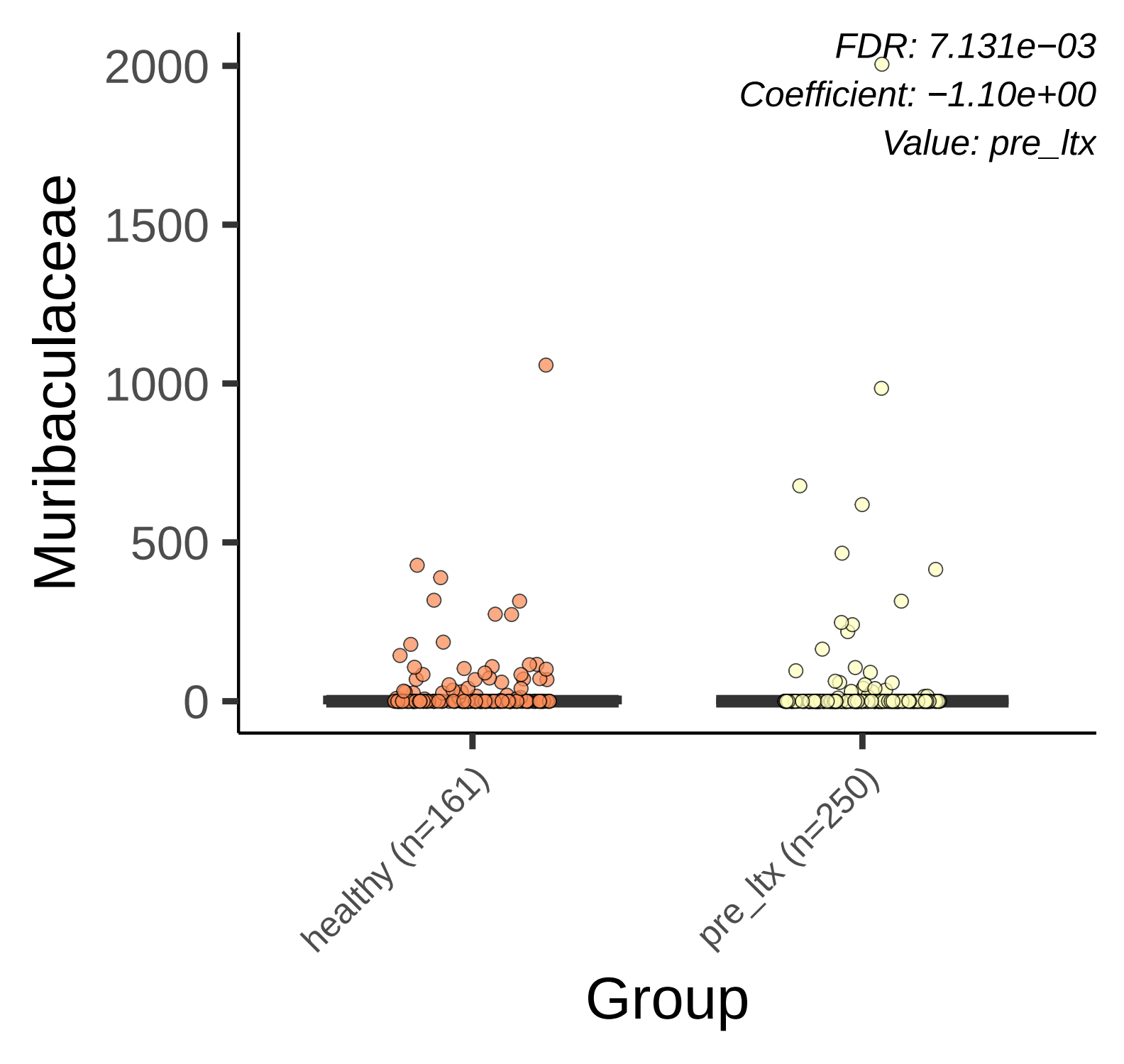

FDR: 5.084e−03
Coefficient: −8.43e−01
Value: pre_ltx
Enterorhabdus
60
40
20
0
healthy (n=161)
pre_ltx (n=250)
Group

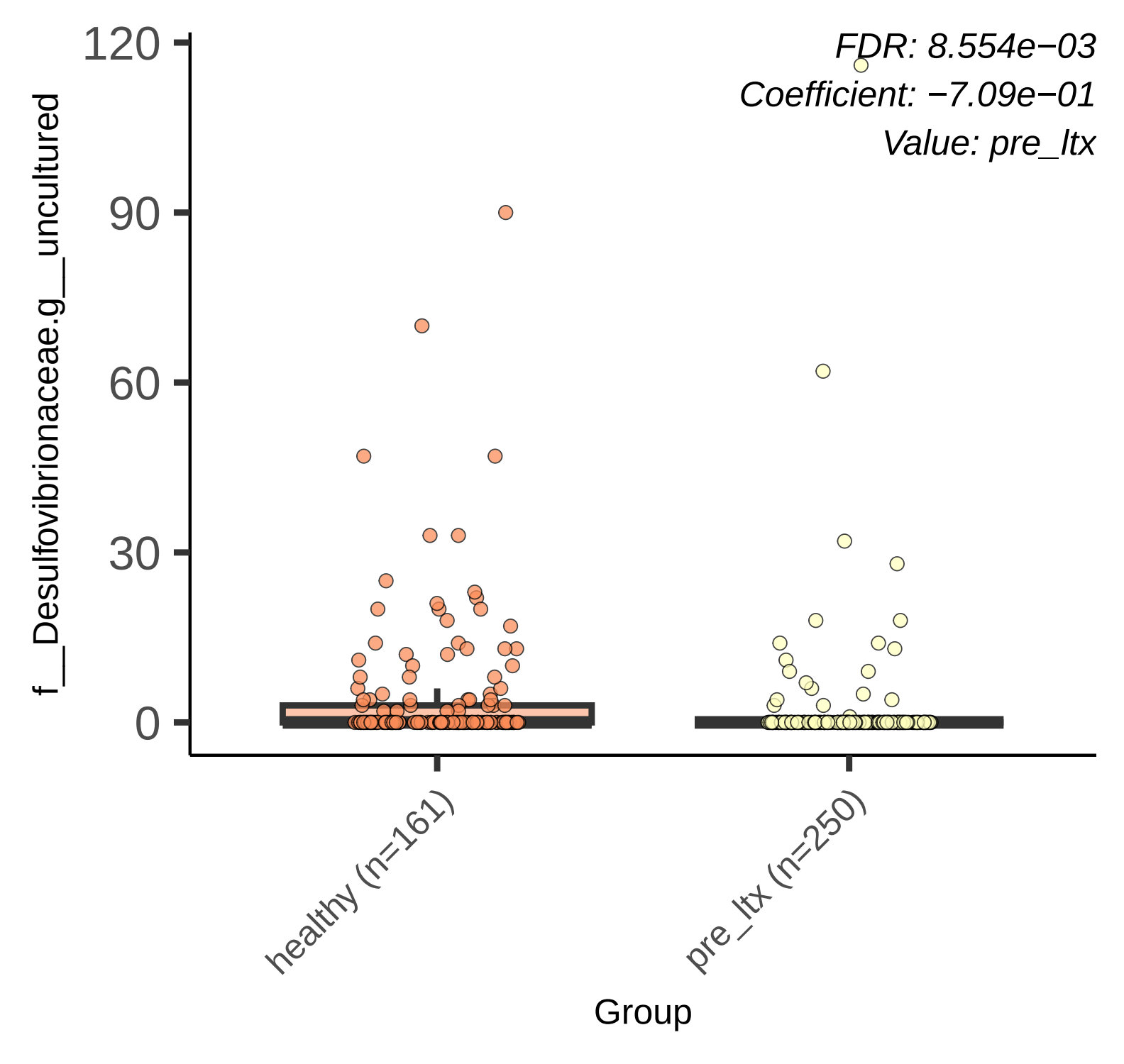

FDR: 5.820e−03
Coefficient: −1.86e+00
Value: pre_ltx
Agathobacter
6000
4000
2000
0
healthy (n=161)
pre_ltx (n=250)
Group

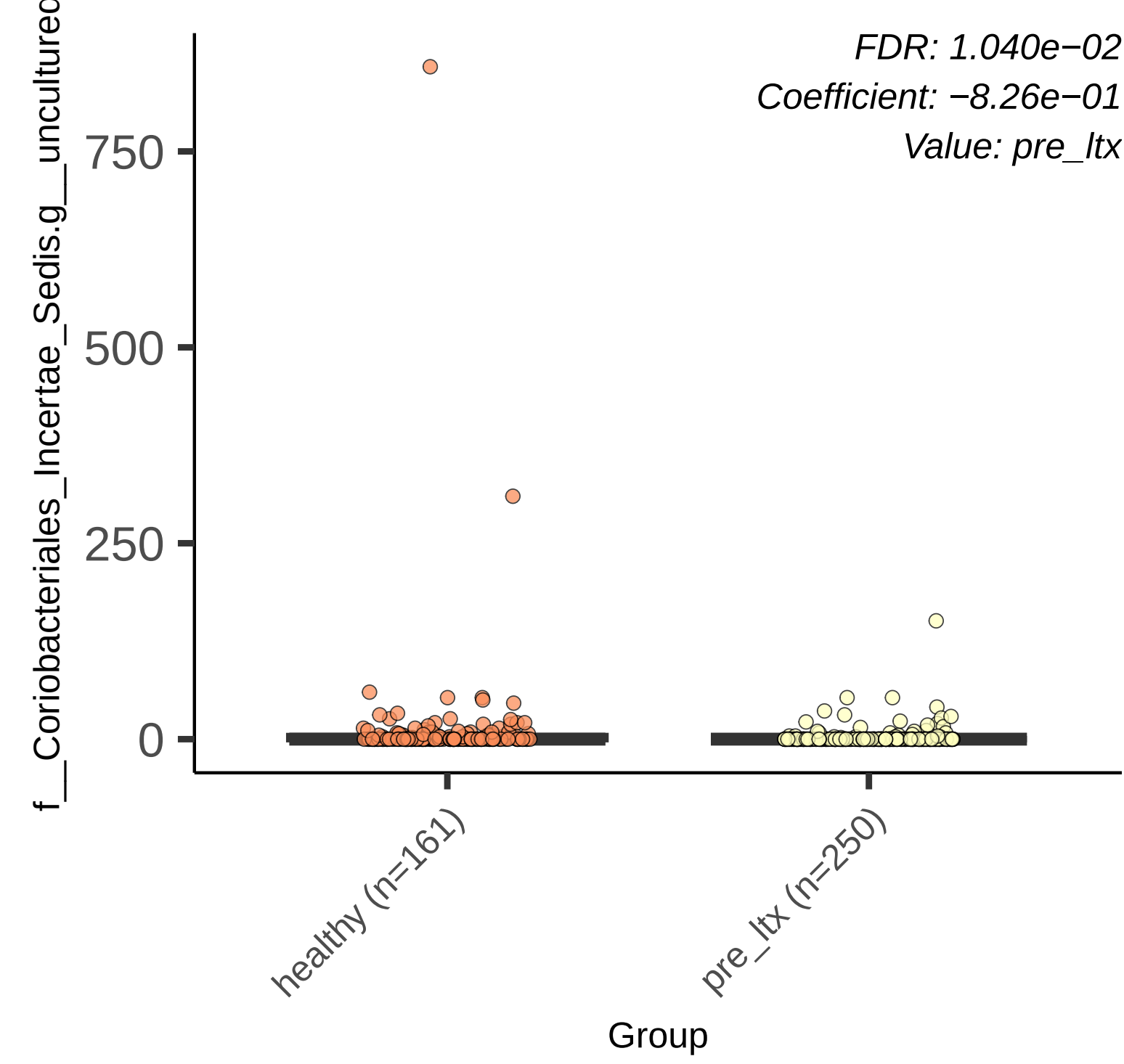

FDR: 6.583e−03
Coefficient: −1.14e+00
Value: pre_ltx
Oscillospira
500
400
300
200
100
0
healthy (n=161)
pre_ltx (n=250)
Group

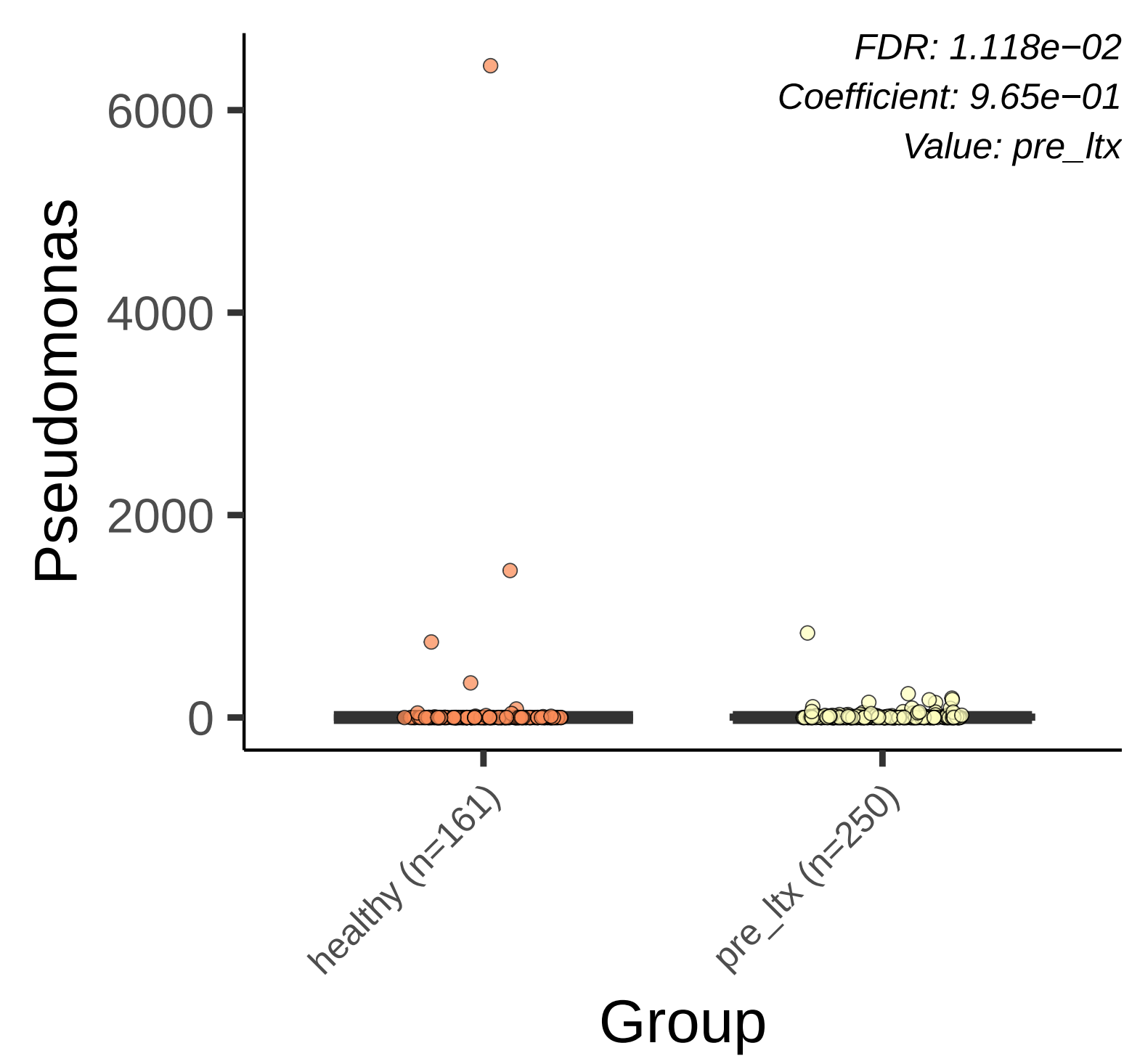

FDR: 6.711e−03
Coefficient: 1.41e+00
Value: pre_ltx
Klebsiella
10000
5000
0
healthy (n=161)
pre_ltx (n=250)
Group

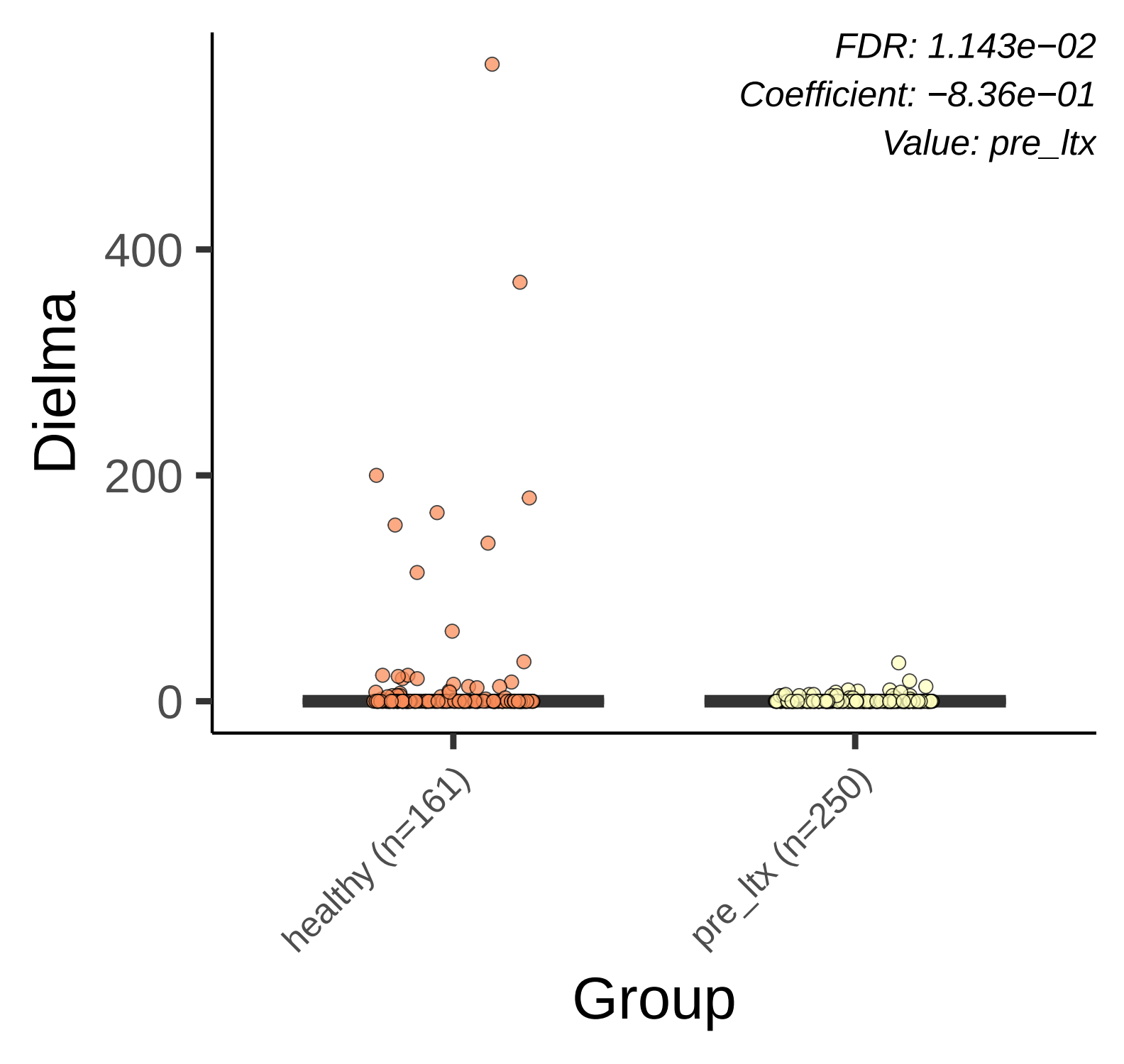

FDR: 7.077e−03
Coefficient: −1.44e+00
Value: pre_ltx
X.Eubacterium._coprostanoligenes_group
600
400
200
0
healthy (n=161)
pre_ltx (n=250)
Group

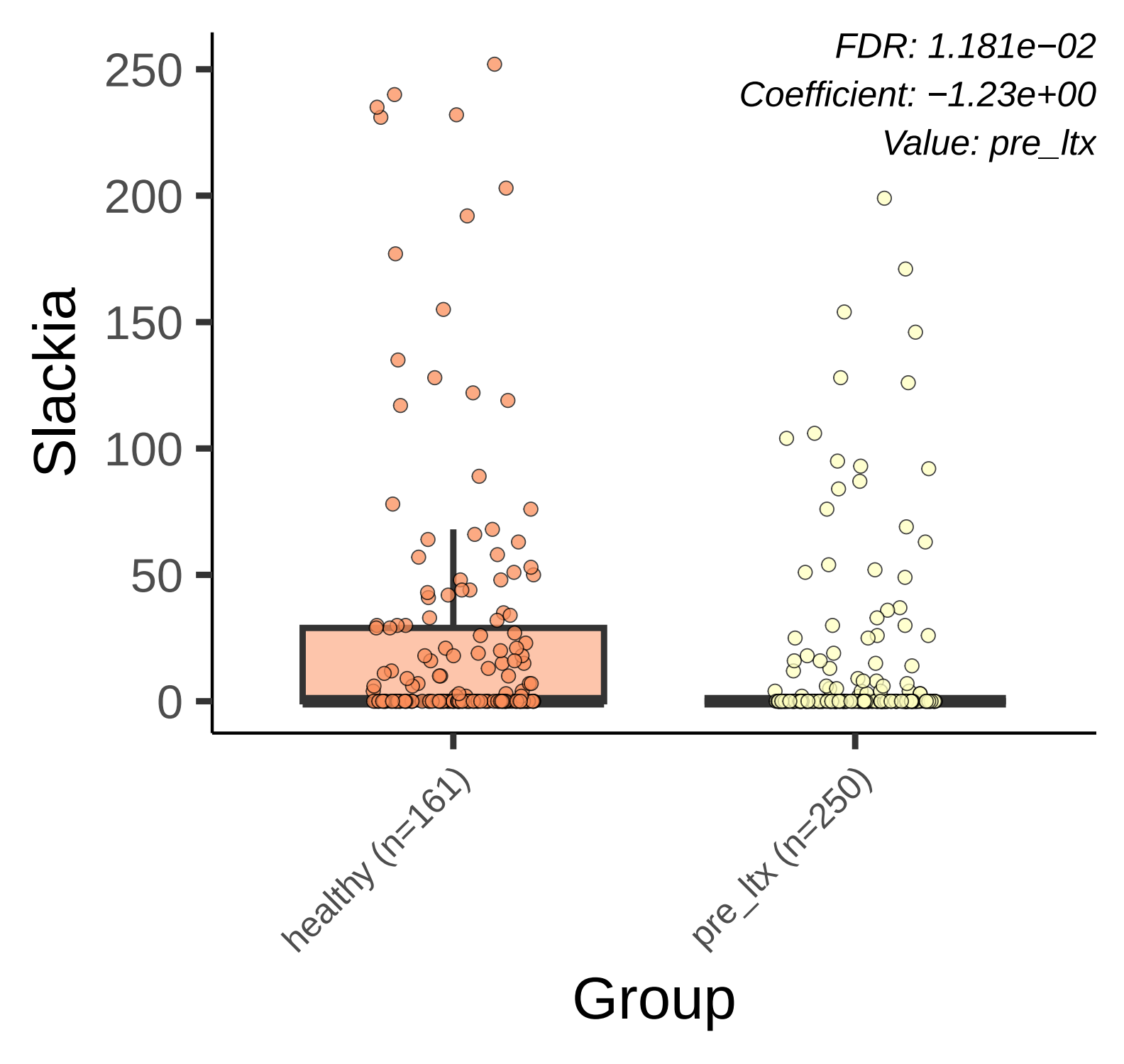

FDR: 7.131e−03
Coefficient: −1.10e+00
Value: pre_ltx
Muribaculaceae
2000
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

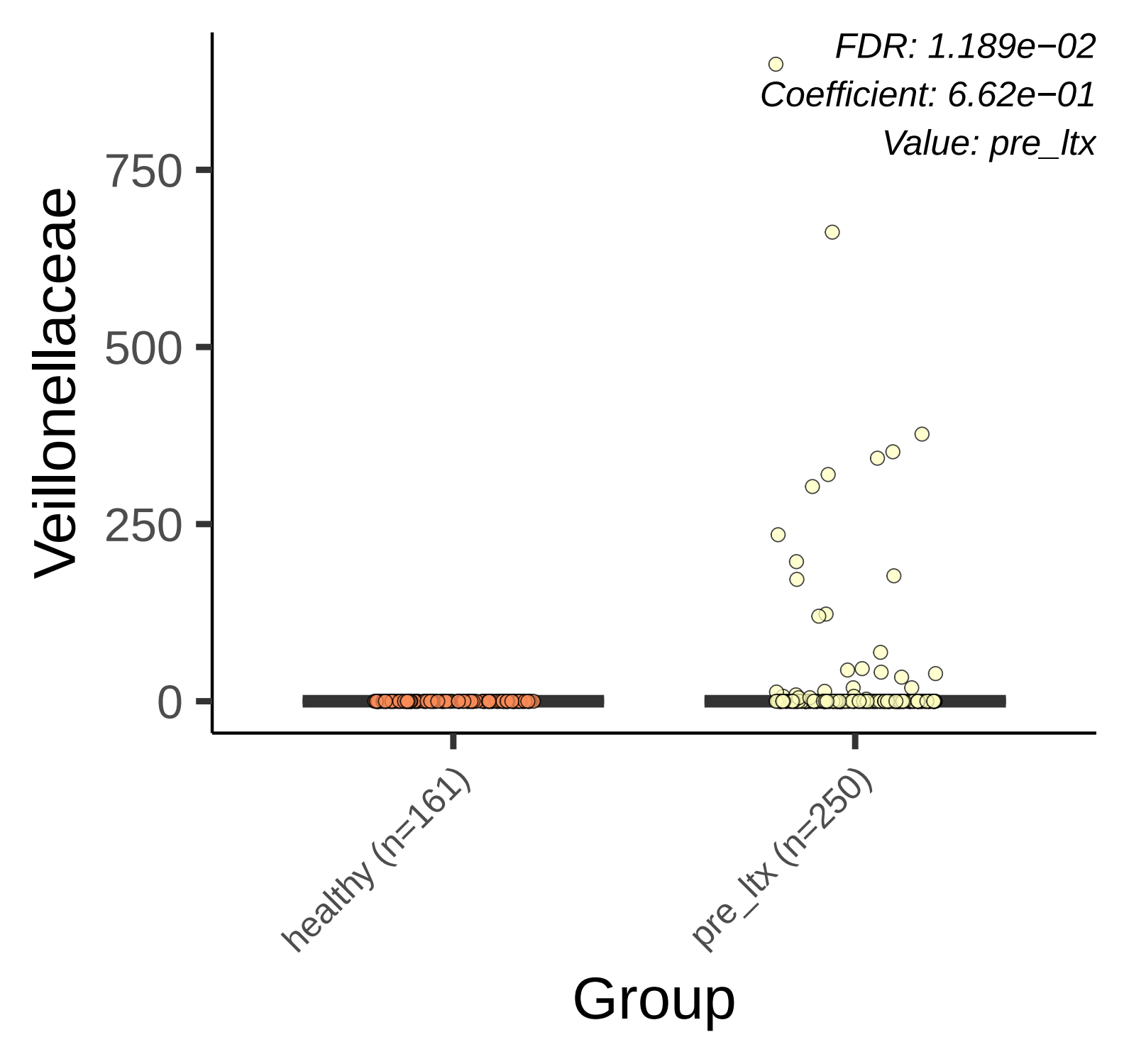

FDR: 8.554e−03
Coefficient: −7.09e−01
Value: pre_ltx
f__Desulfovibrionaceae.g__uncultured
120
90
60
30
0
healthy (n=161)
pre_ltx (n=250)
Group

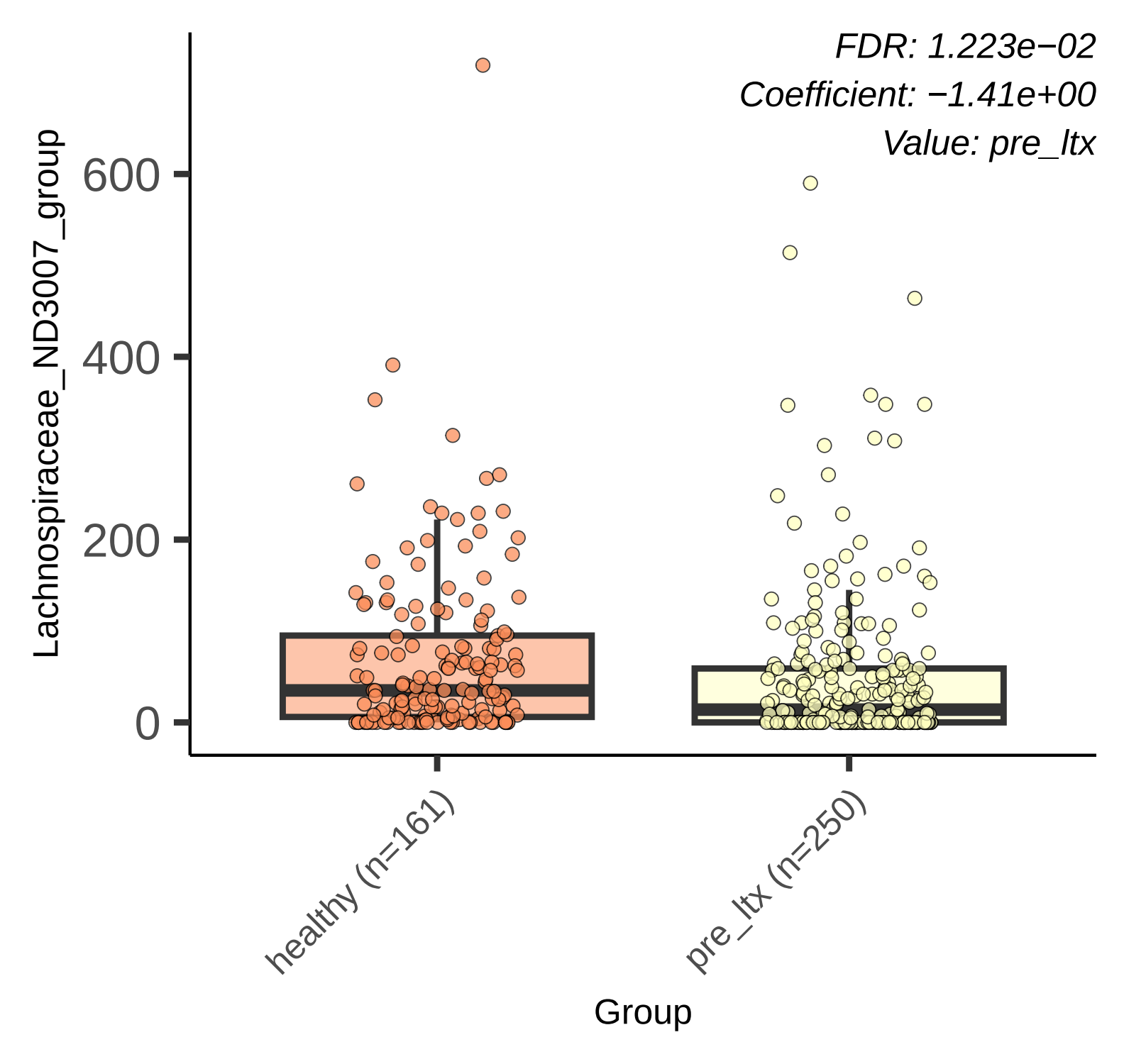

FDR: 1.040e−02
Coefficient: −8.26e−01
Value: pre_ltx
f__Coriobacteriales_Incertae_Sedis.g__uncultured
750
500
250
0
healthy (n=161)
pre_ltx (n=250)
Group

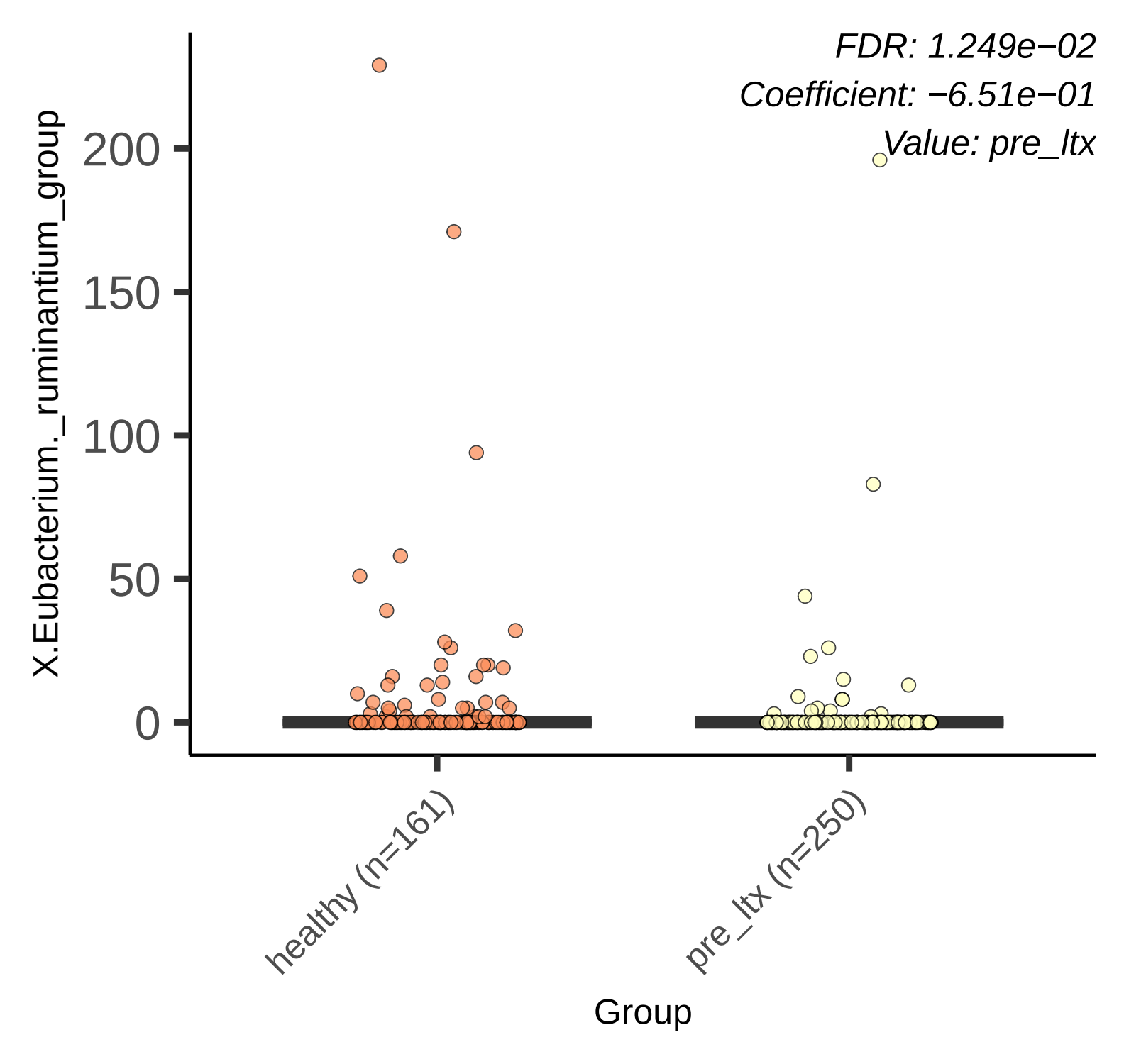

FDR: 1.118e−02
Coefficient: 9.65e−01
Value: pre_ltx
Pseudomonas
6000
4000
2000
0
healthy (n=161)
pre_ltx (n=250)
Group

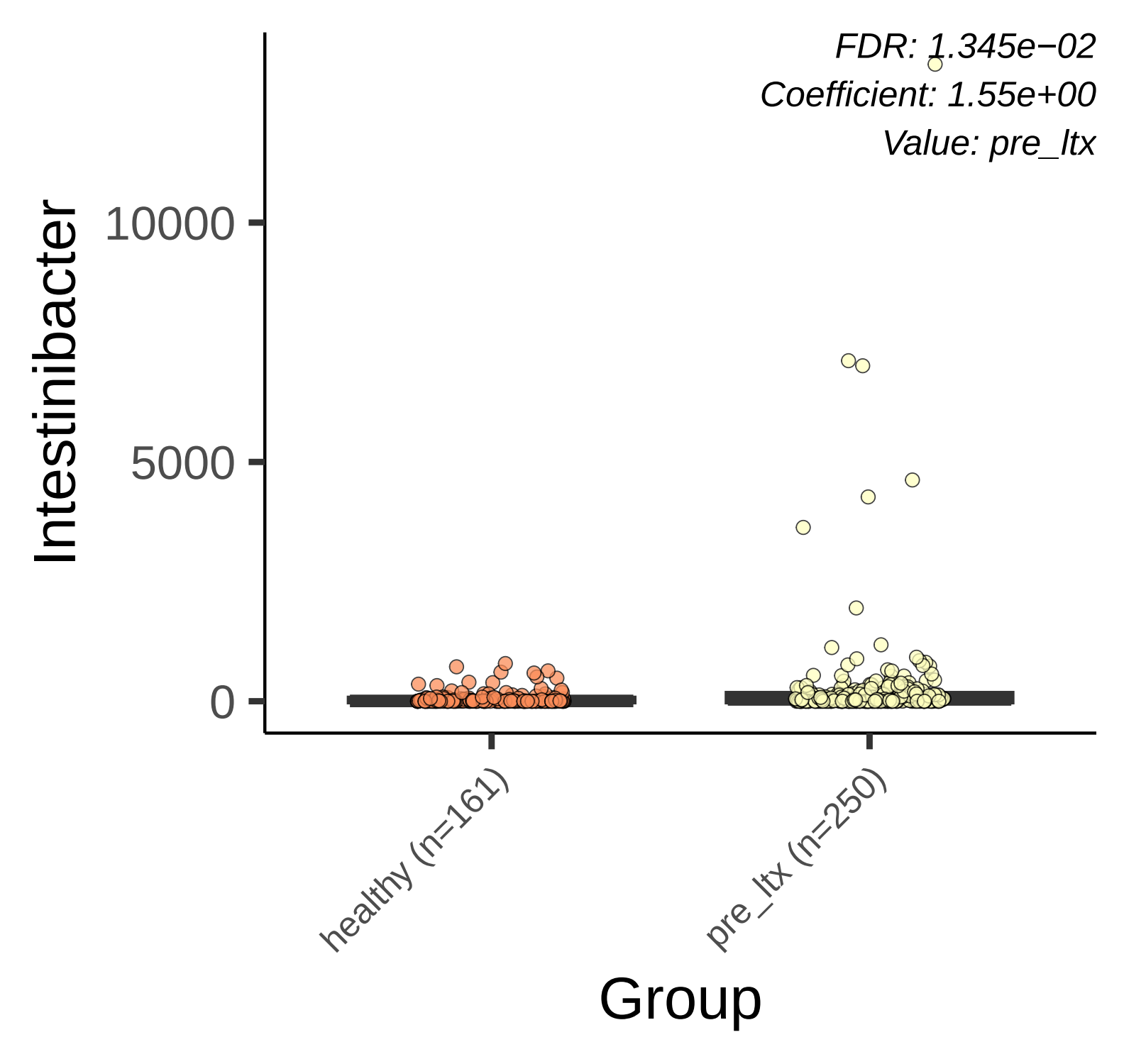

FDR: 1.143e−02
Coefficient: −8.36e−01
Value: pre_ltx
Dielma
400
200
0
healthy (n=161)
pre_ltx (n=250)
Group

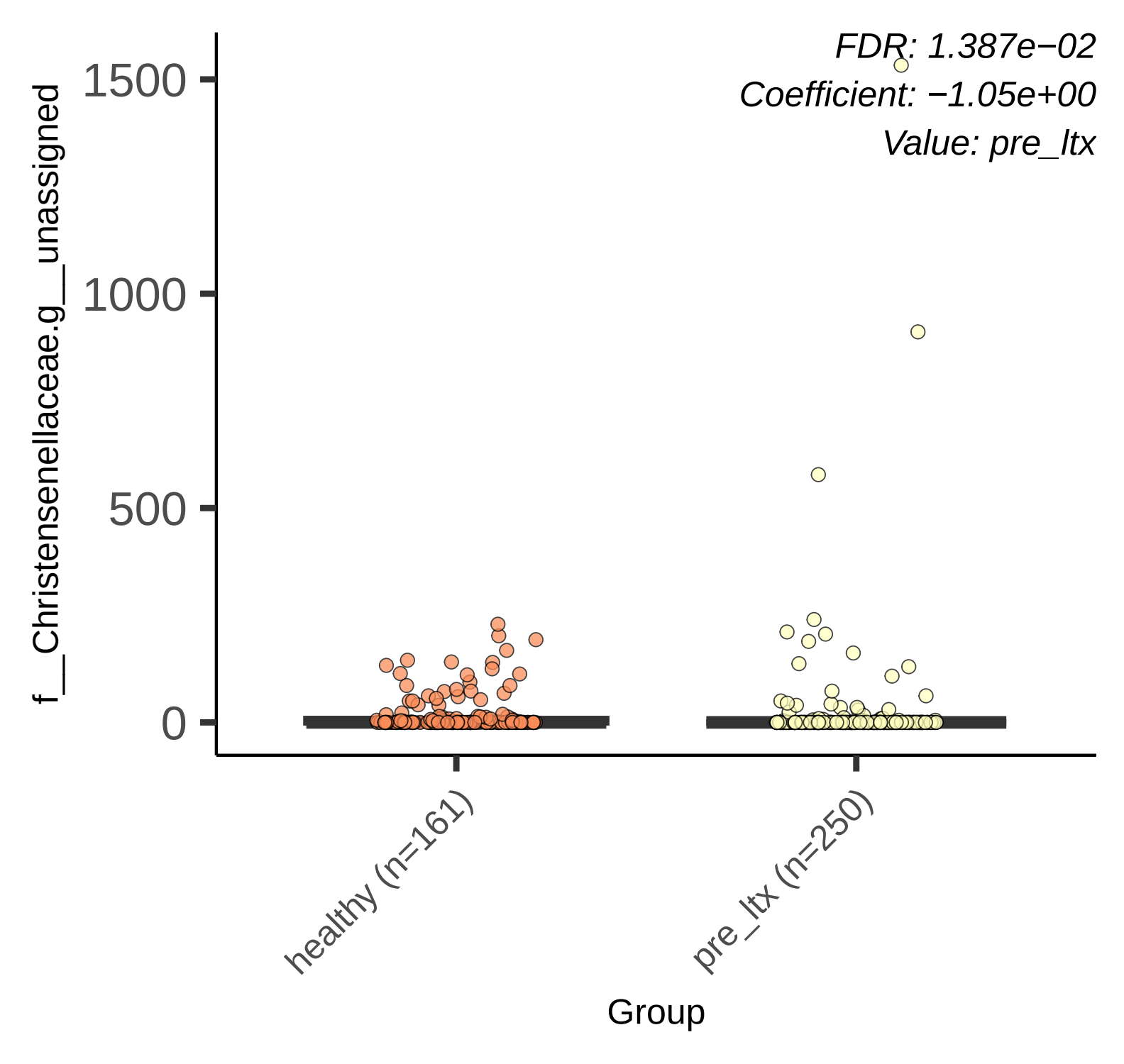

FDR: 1.181e−02
Coefficient: −1.23e+00
Value: pre_ltx
Slackia
250
200
150
100
50
0
healthy (n=161)
pre_ltx (n=250)
Group

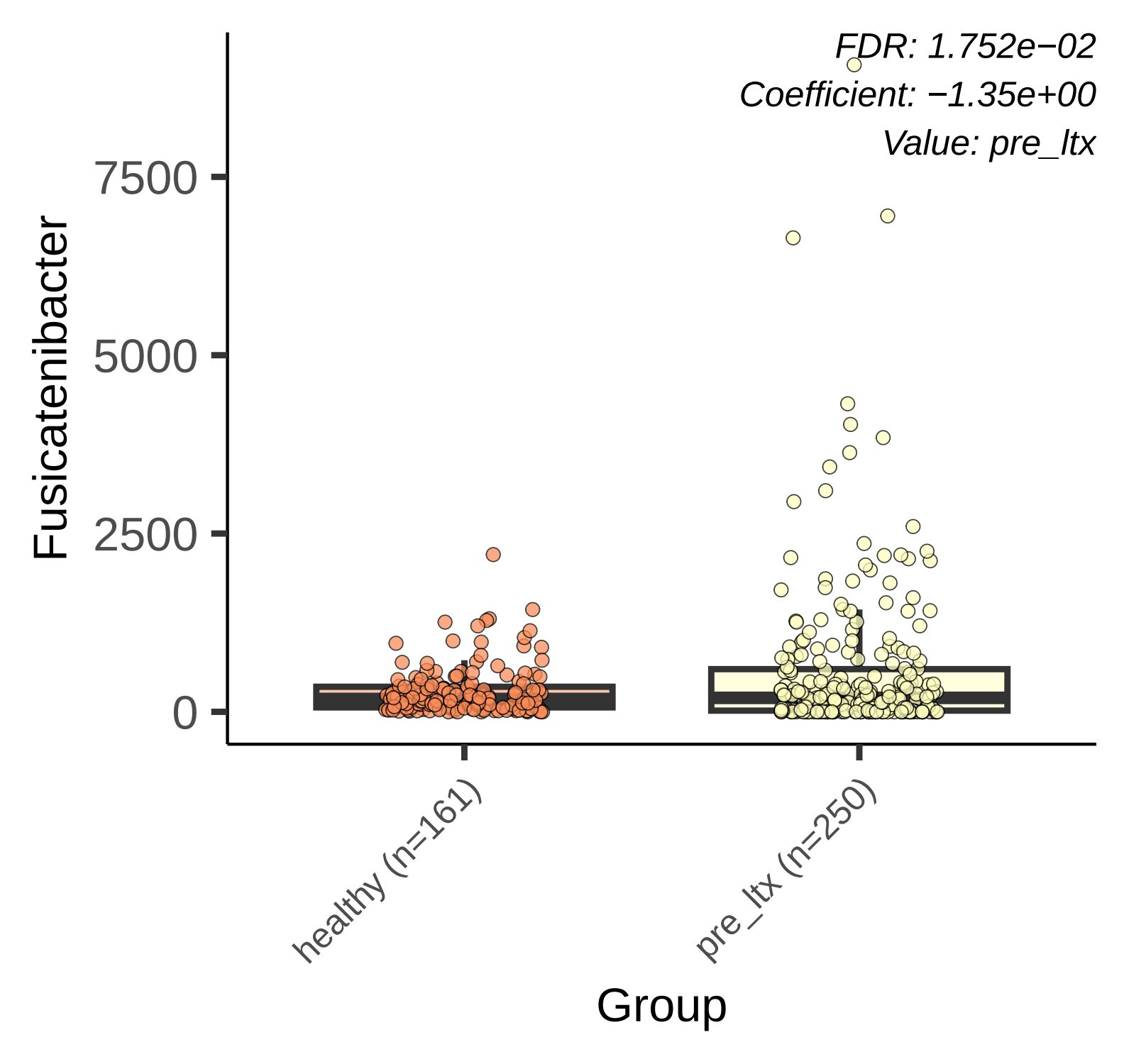

FDR: 1.189e−02
Coefficient: 6.62e−01
Value: pre_ltx
Veillonellaceae
750
500
250
0
healthy (n=161)
pre_ltx (n=250)
Group

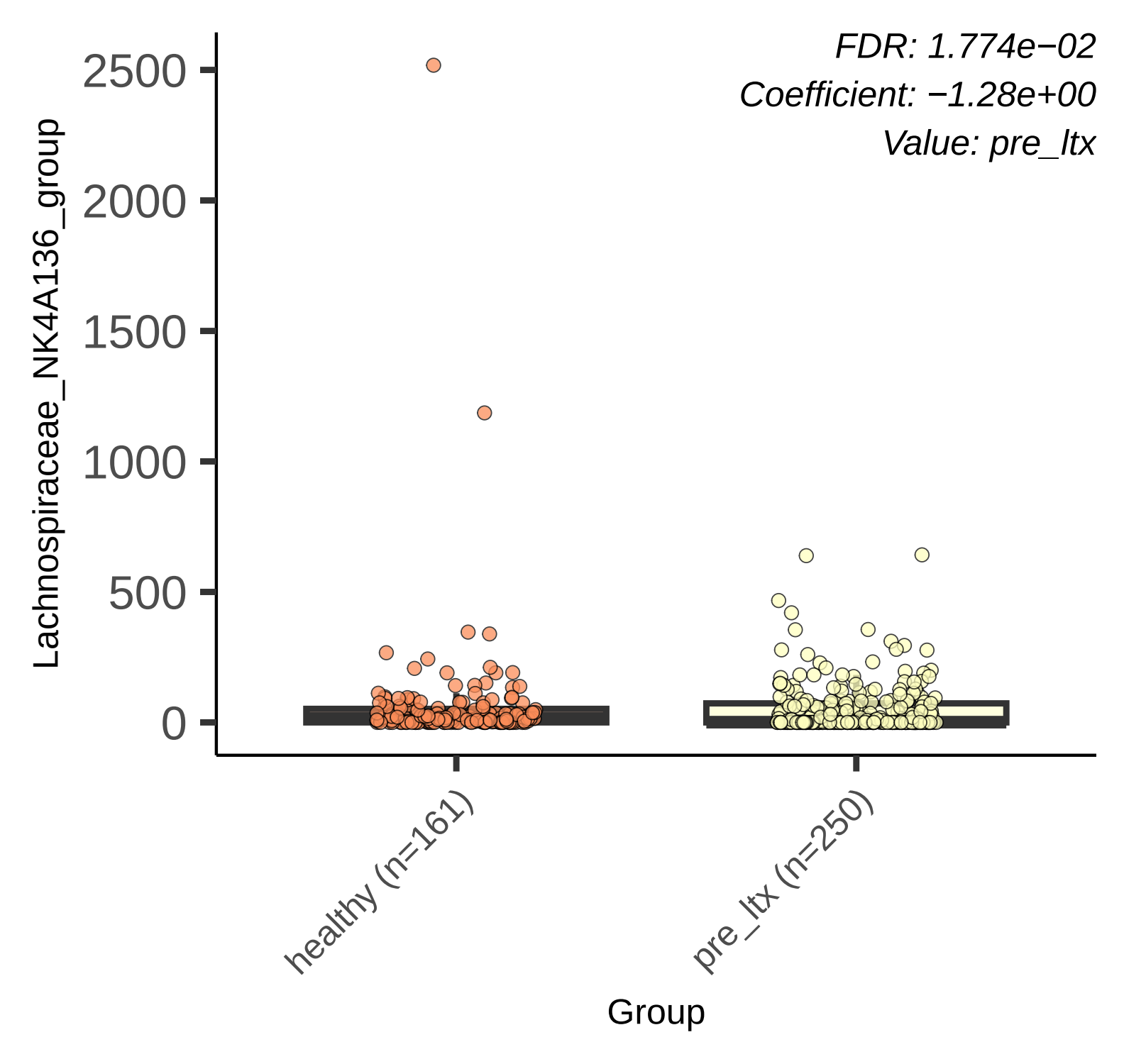

FDR: 1.223e−02
Coefficient: −1.41e+00
Value: pre_ltx
Lachnospiraceae_ND3007_group
600
400
200
0
healthy (n=161)
pre_ltx (n=250)
Group

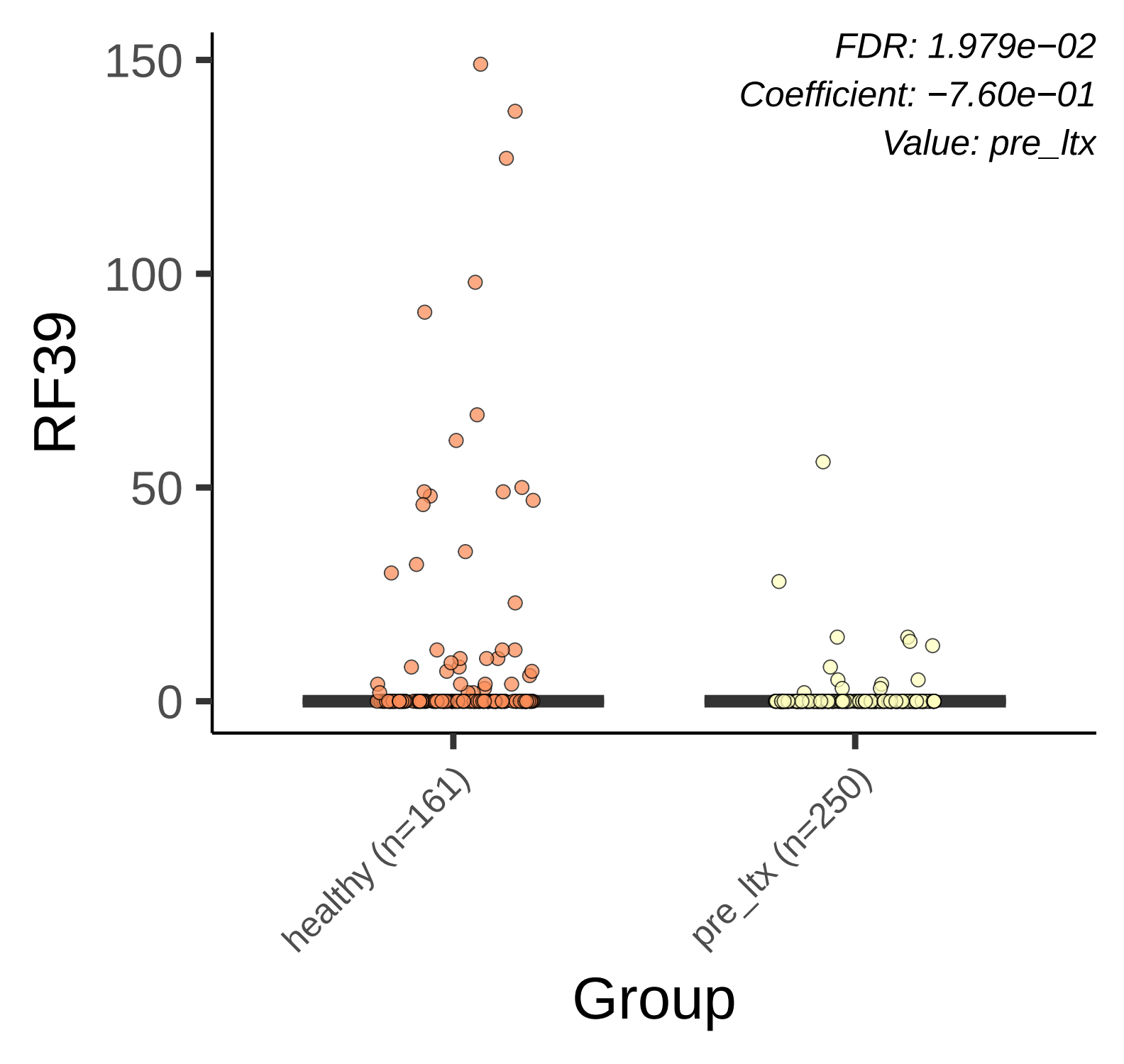

FDR: 1.249e−02
Coefficient: −6.51e−01
Value: pre_ltx
X.Eubacterium._ruminantium_group
200
150
100
50
0
healthy (n=161)
pre_ltx (n=250)
Group

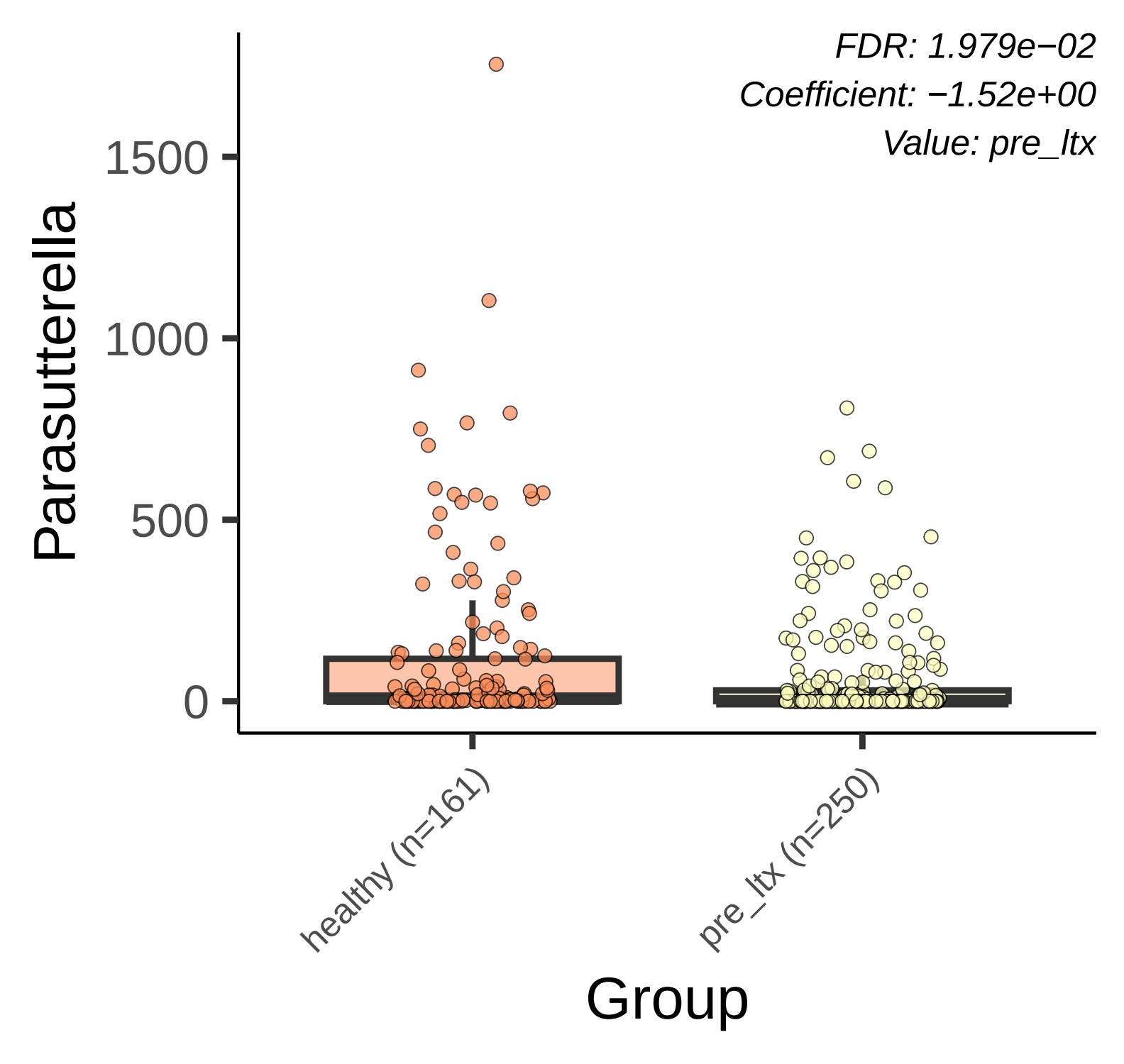

FDR: 1.345e−02
Coefficient: 1.55e+00
Value: pre_ltx
Intestinibacter
10000
5000
0
healthy (n=161)
pre_ltx (n=250)
Group

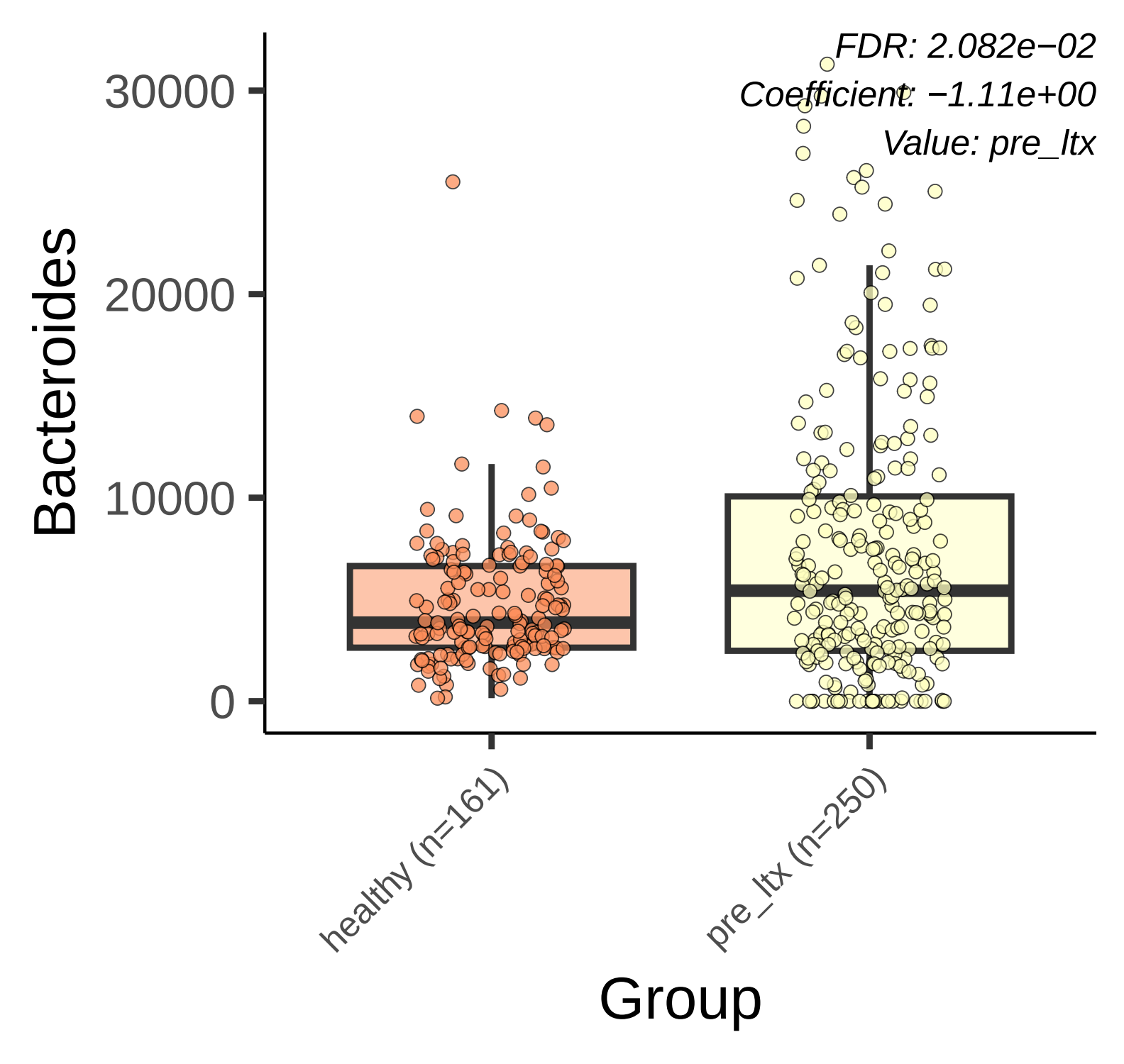

FDR: 1.387e−02
Coefficient: −1.05e+00
Value: pre_ltx
f__Christensenellaceae.g__unassigned
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

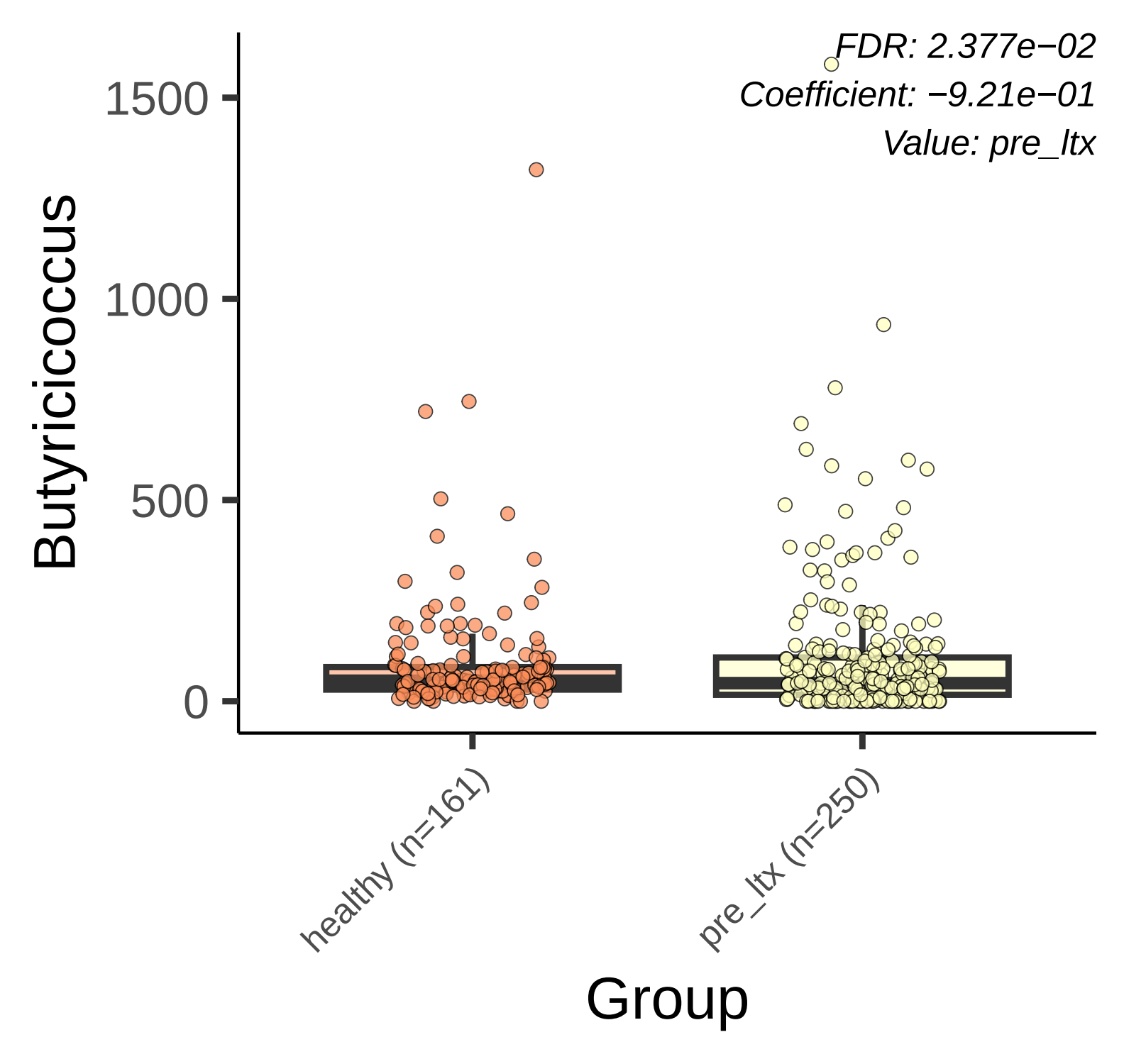

FDR: 1.752e−02
Coefficient: −1.35e+00
Value: pre_ltx
Fusicatenibacter
7500
5000
2500
0
healthy (n=161)
pre_ltx (n=250)
Group

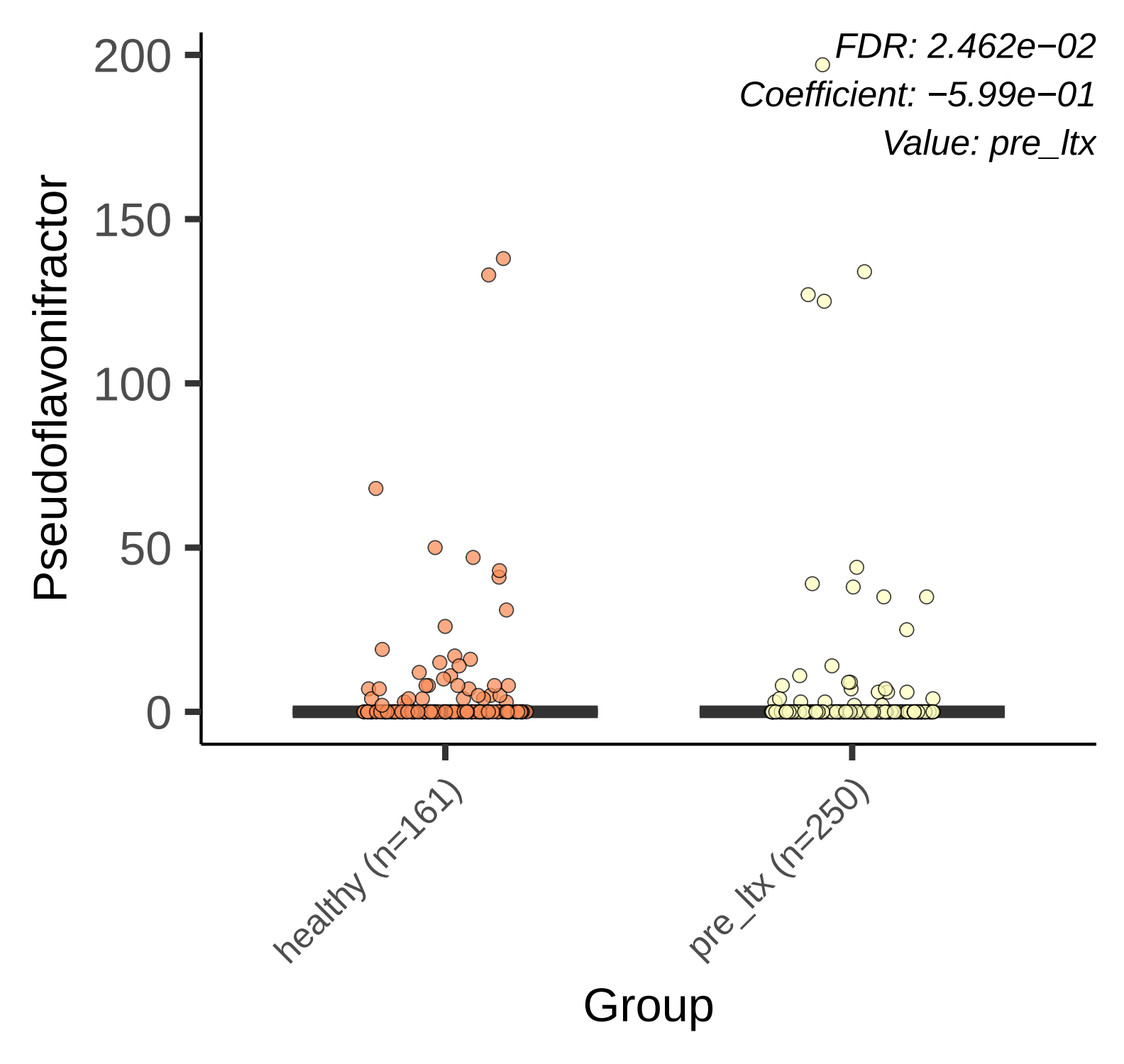

FDR: 1.774e−02
Coefficient: −1.28e+00
Value: pre_ltx
Lachnospiraceae_NK4A136_group
2500
2000
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

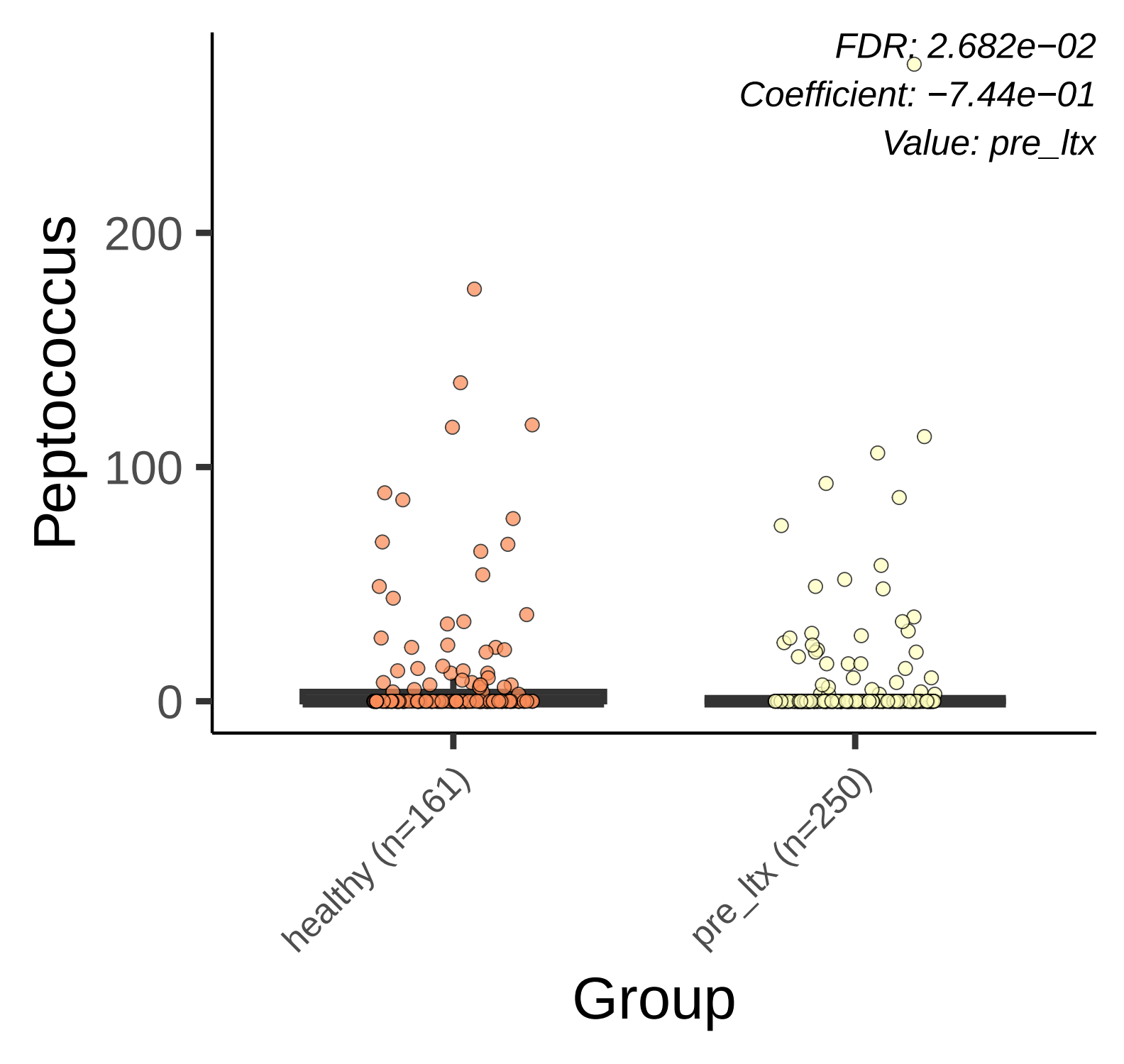

FDR: 1.979e−02
Coefficient: −7.60e−01
Value: pre_ltx
150
100
50
0
RF39
healthy (n=161)
pre_ltx (n=250)
Group

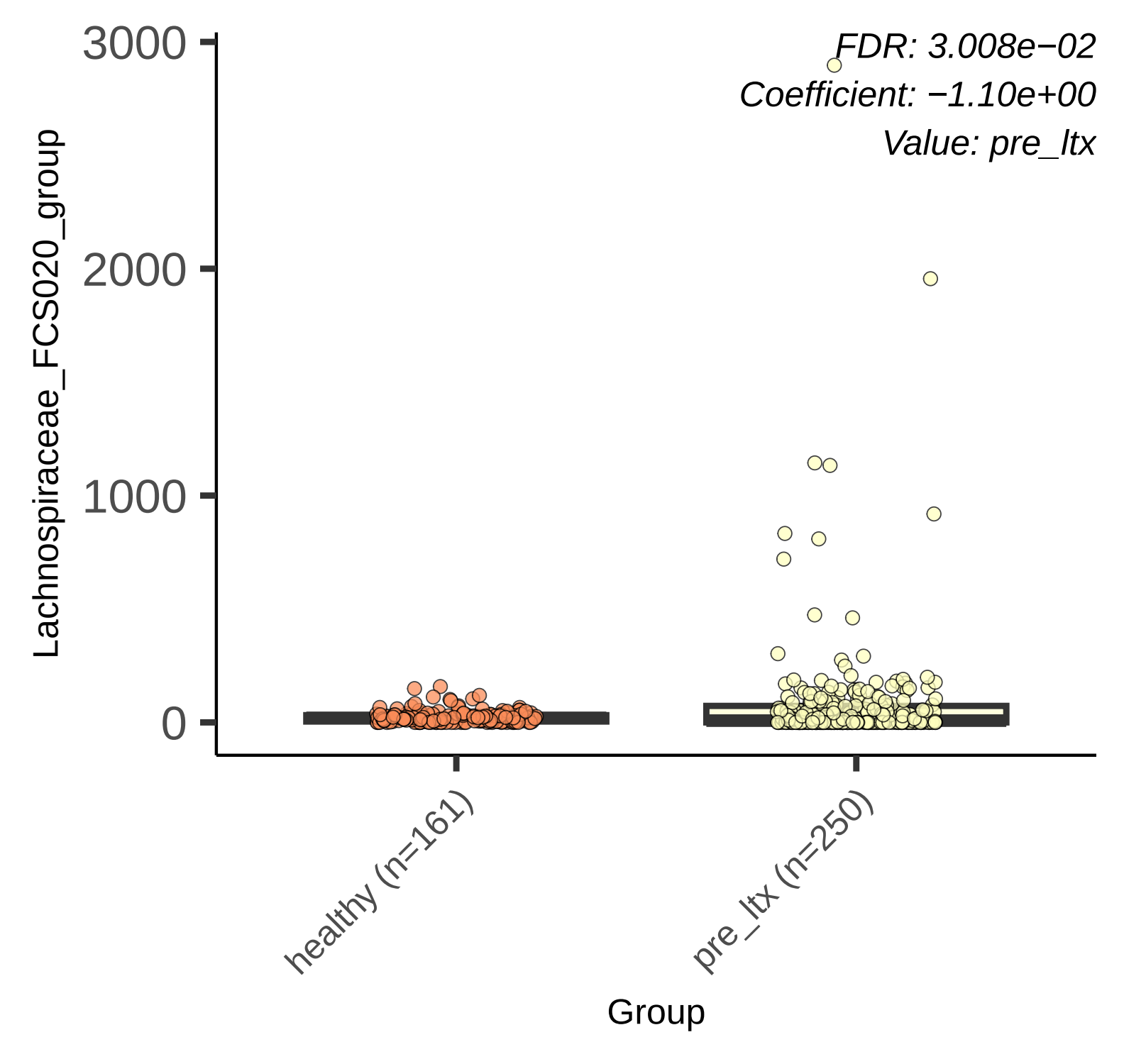

FDR: 1.979e−02
Coefficient: −1.52e+00
Value: pre_ltx
Parasutterella
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

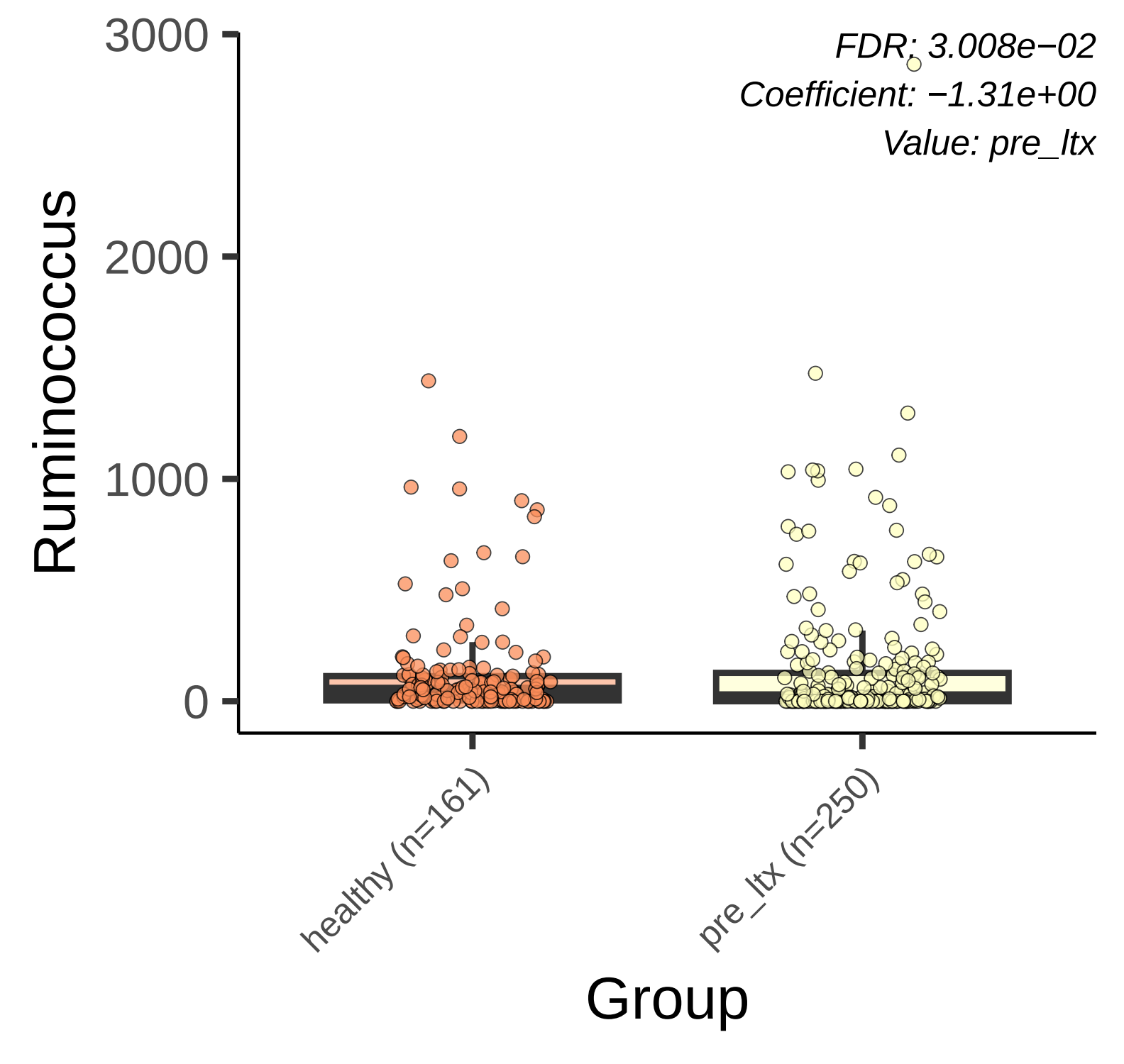

FDR: 2.082e−02
Coefficient: −1.11e+00
Value: pre_ltx
Bacteroides
30000
20000
10000
0
healthy (n=161)
pre_ltx (n=250)
Group

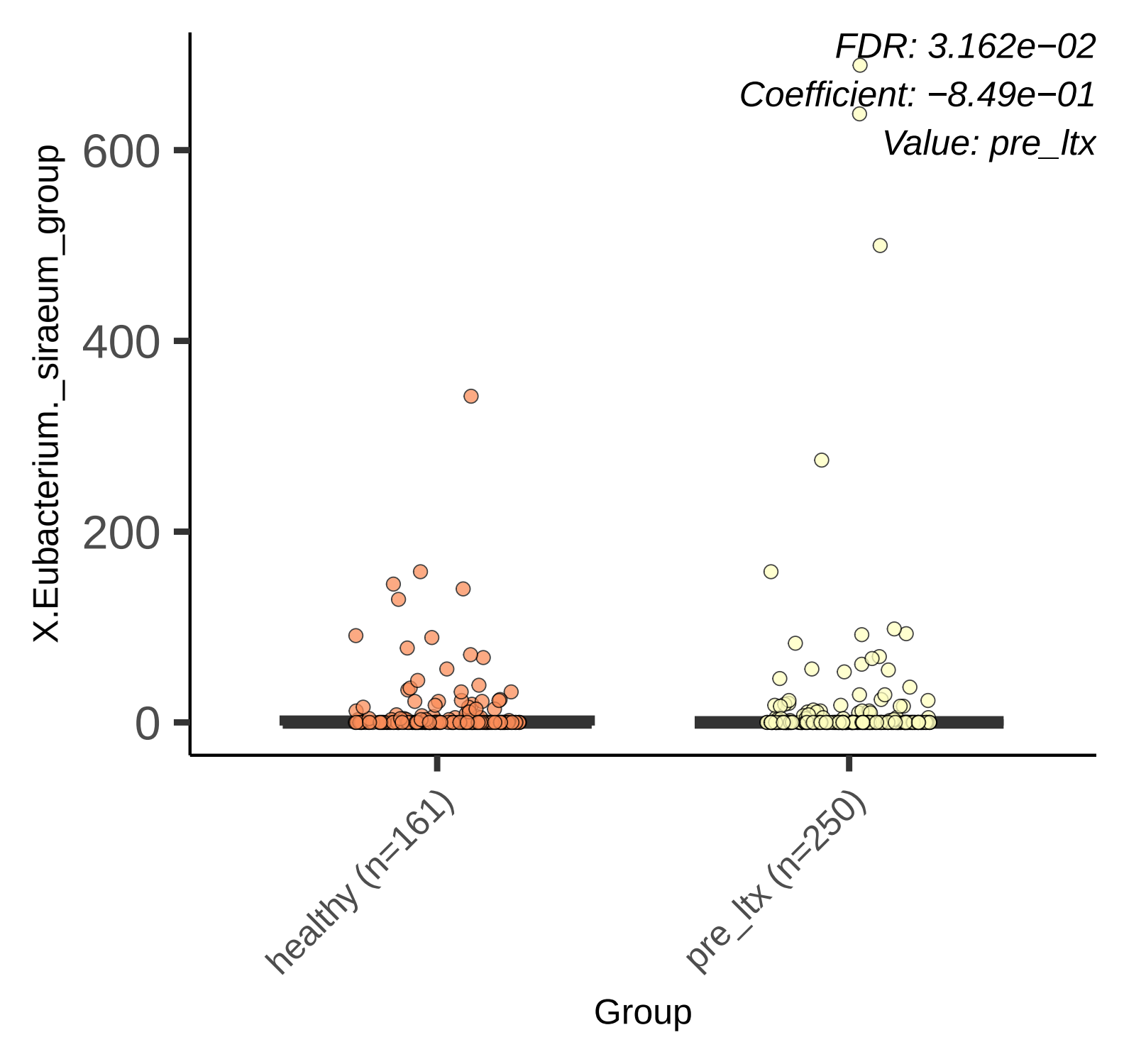

FDR: 2.377e−02
Coefficient: −9.21e−01
Value: pre_ltx
Butyricicoccus
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

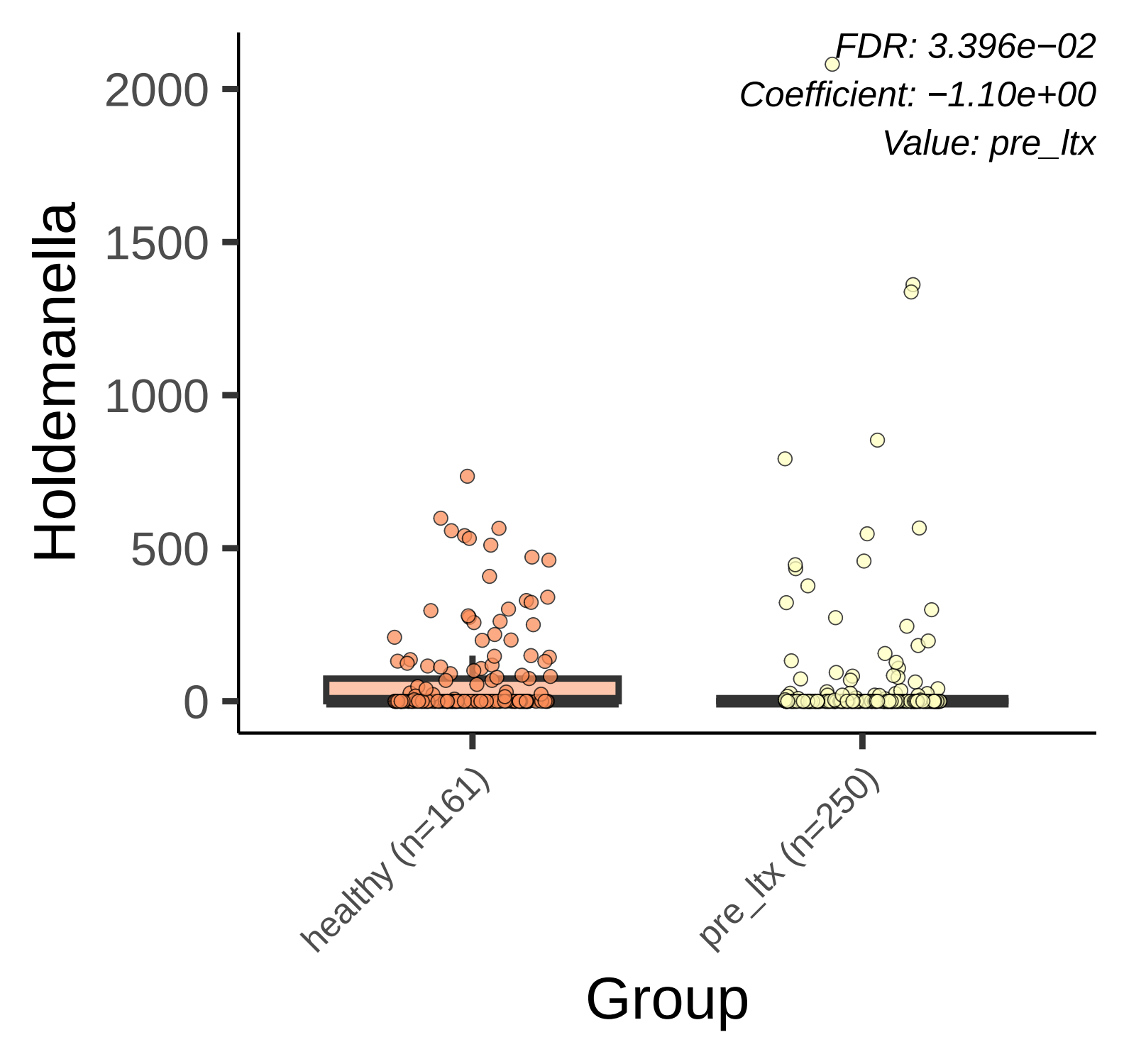

FDR: 2.462e−02
Coefficient: −5.99e−01
Value: pre_ltx
Pseudoflavonifractor
200
150
100
50
0
healthy (n=161)
pre_ltx (n=250)
Group

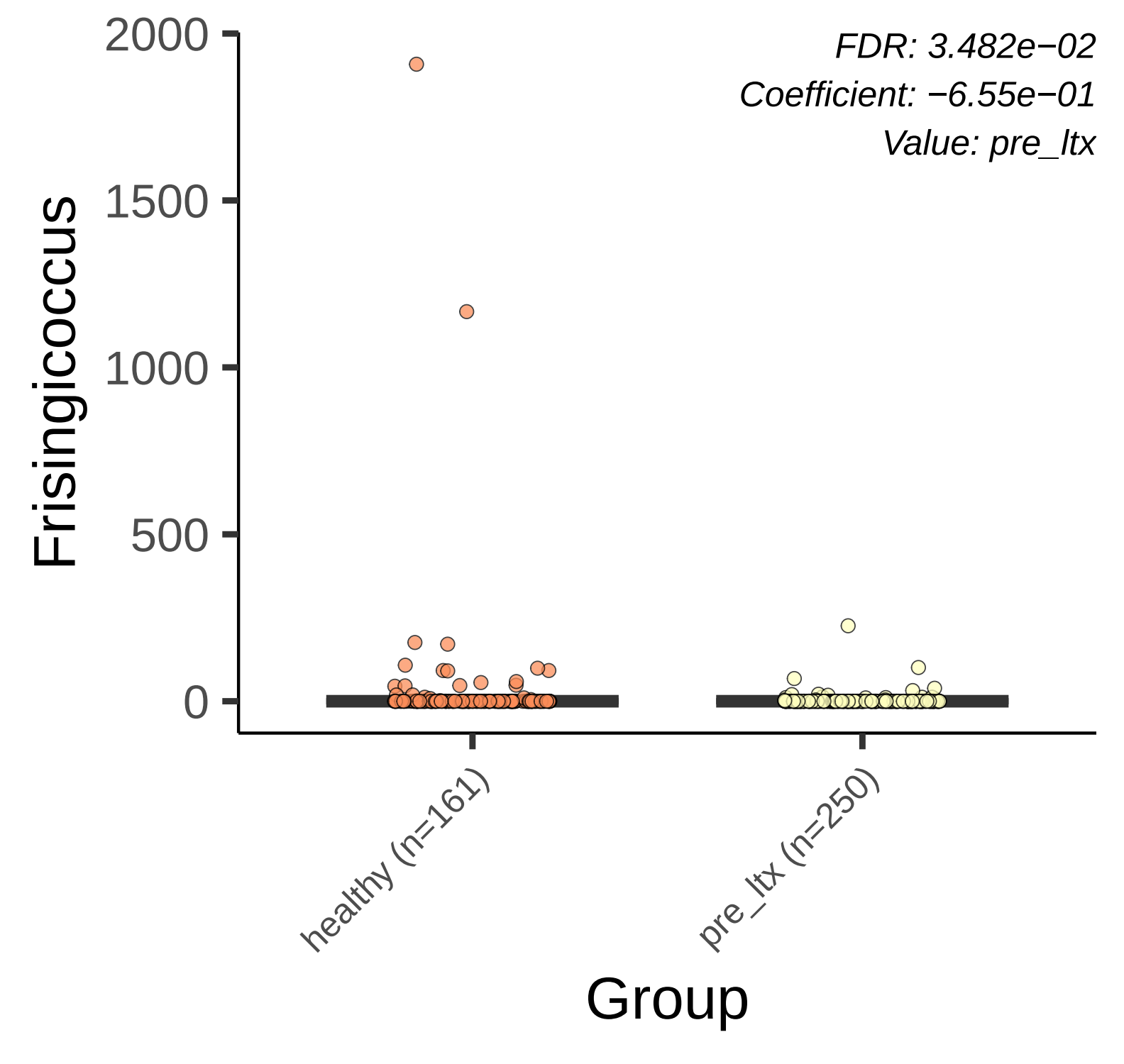

FDR: 2.682e−02
Coefficient: −7.44e−01
Value: pre_ltx
Peptococcus
200
100
0
healthy (n=161)
pre_ltx (n=250)
Group

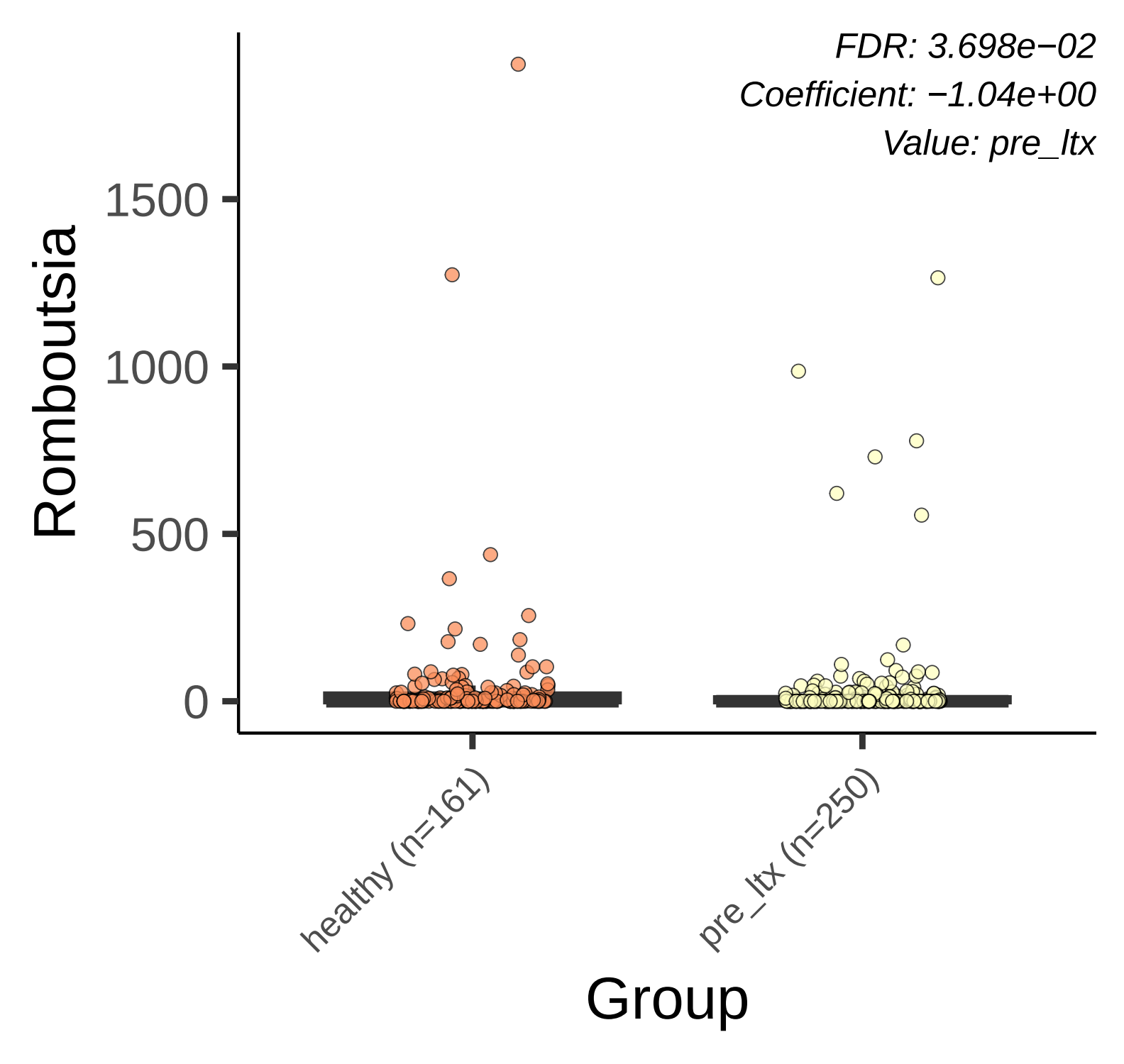

FDR: 3.008e−02
Coefficient: −1.10e+00
Value: pre_ltx
3000
2000
1000
0
Lachnospiraceae_FCS020_group
healthy (n=161)
pre_ltx (n=250)
Group

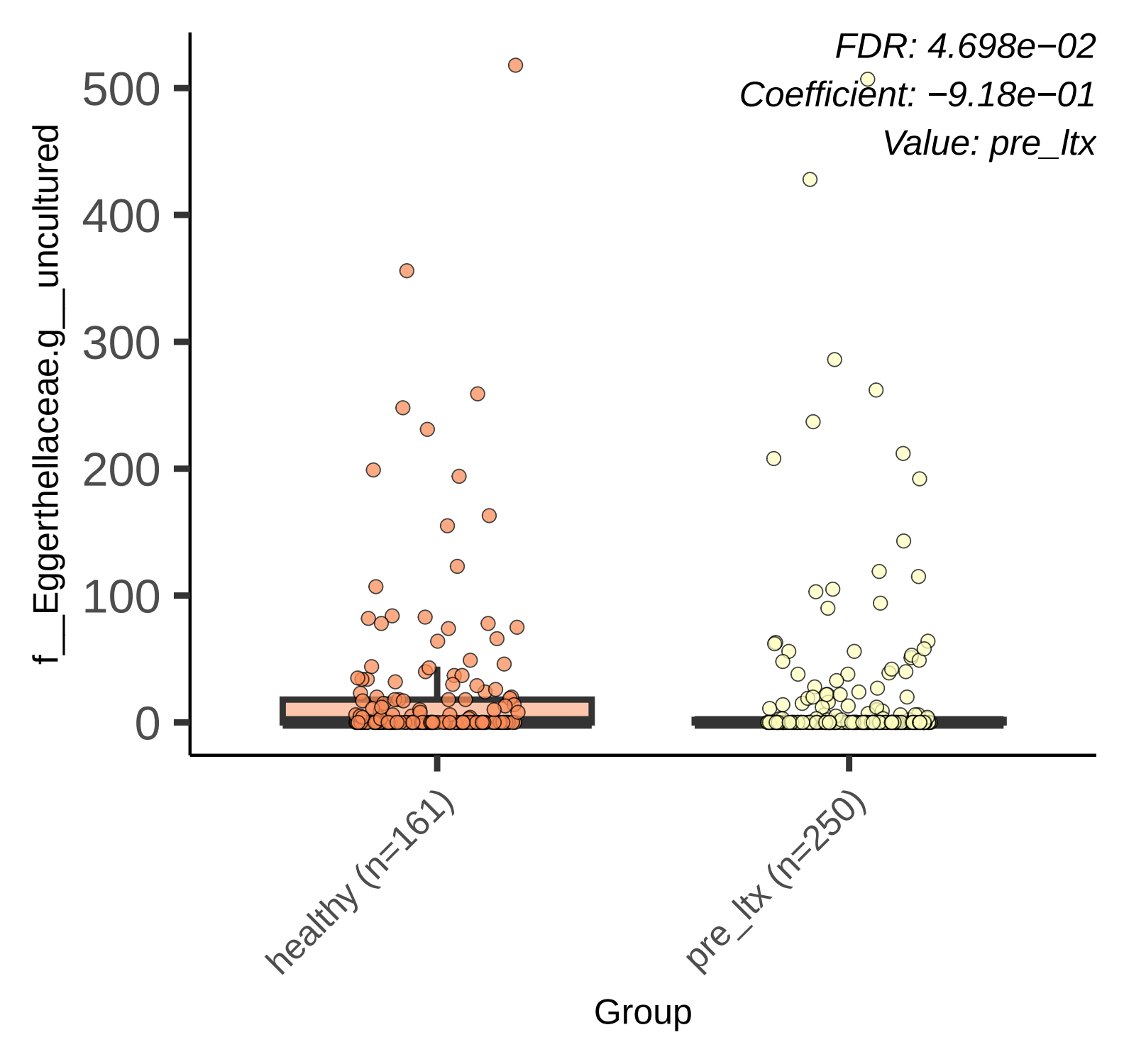

FDR: 3.008e−02
Coefficient: −1.31e+00
Value: pre_ltx
Ruminococcus
3000
2000
1000
0
healthy (n=161)
pre_ltx (n=250)
Group

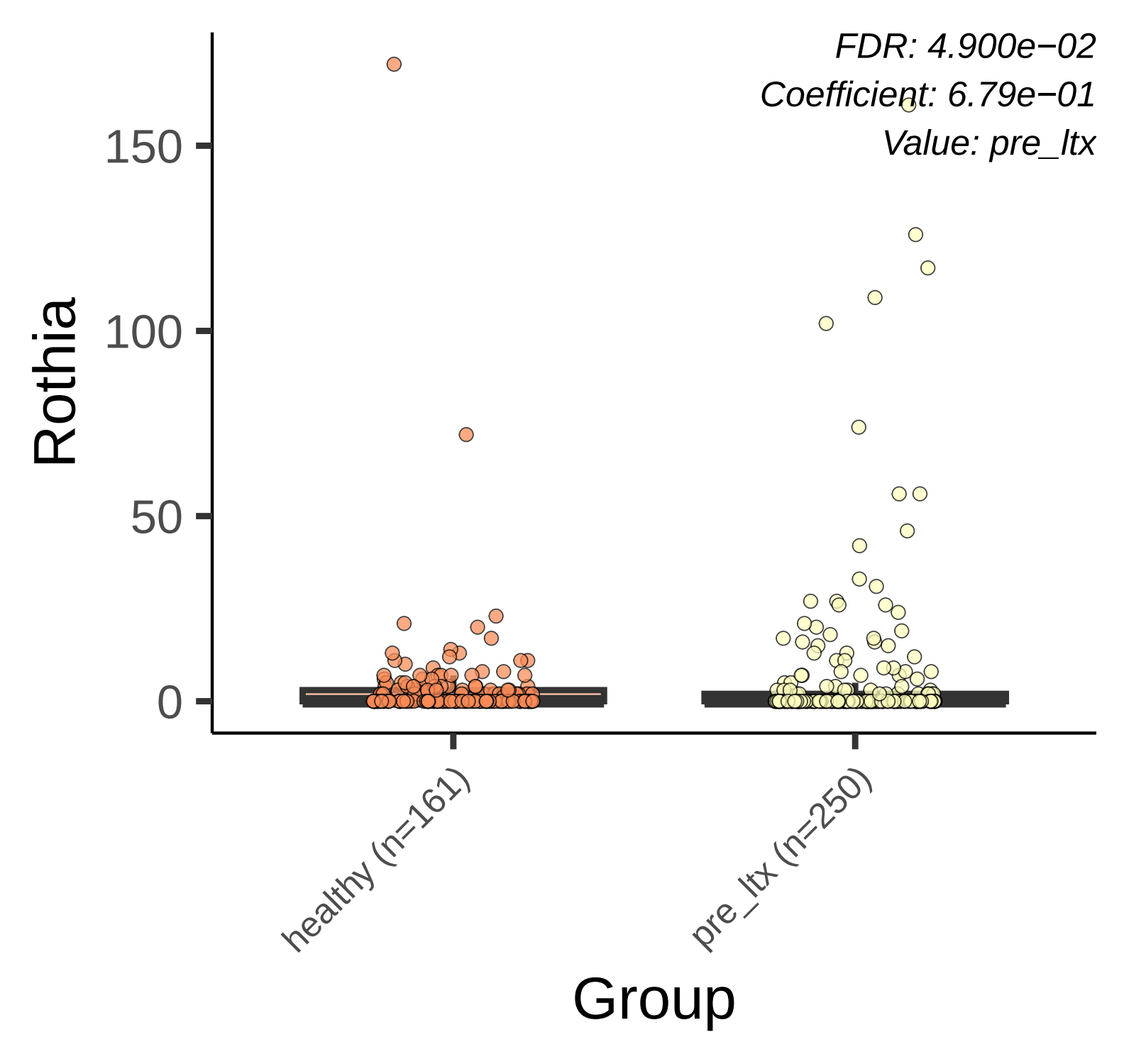

FDR: 3.162e−02
Coefficient: −8.49e−01
Value: pre_ltx
X.Eubacterium._siraeum_group
600
400
200
0
healthy (n=161)
pre_ltx (n=250)
Group

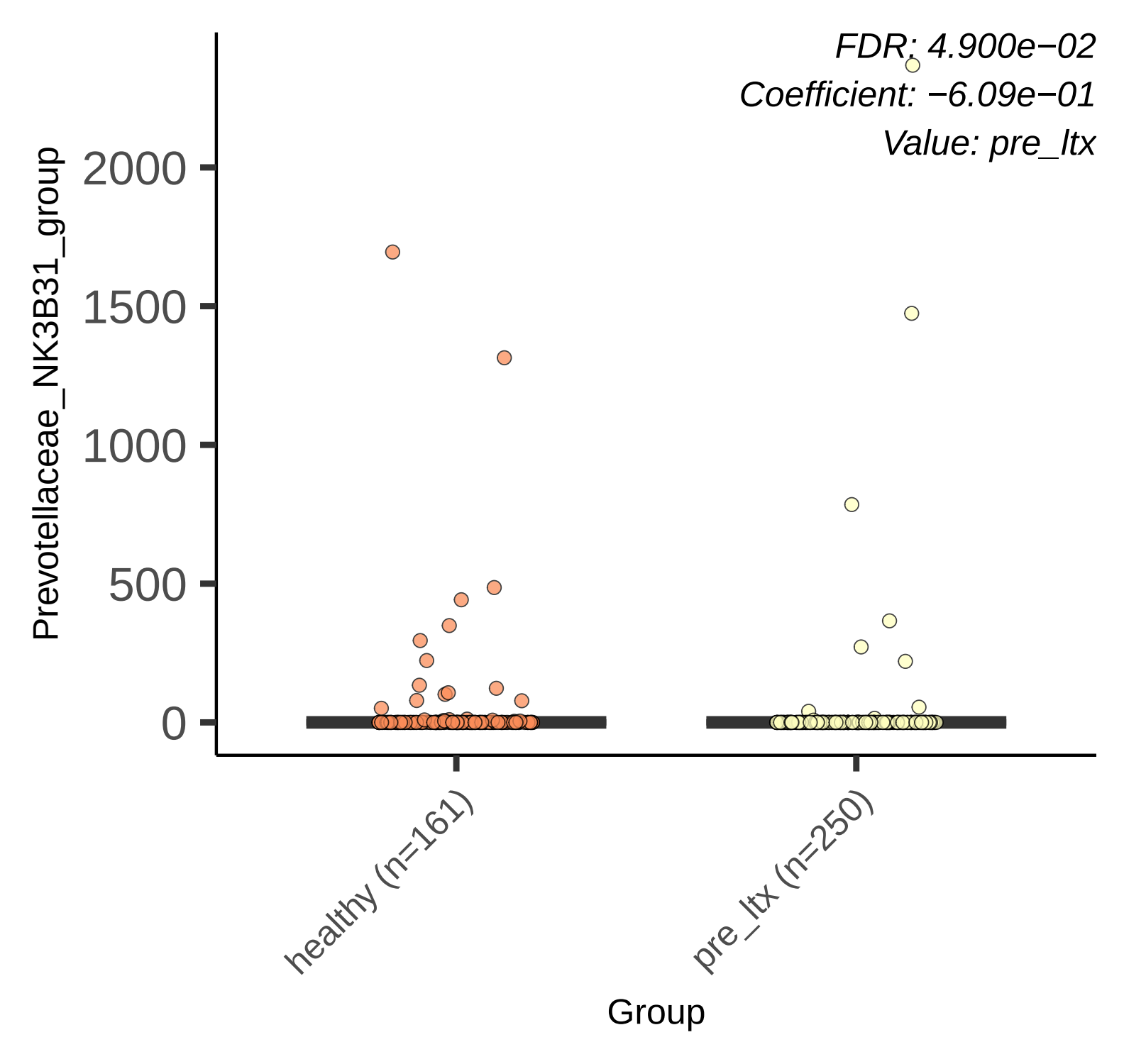

FDR: 3.396e−02
Coefficient: −1.10e+00
Value: pre_ltx
Holdemanella
2000
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

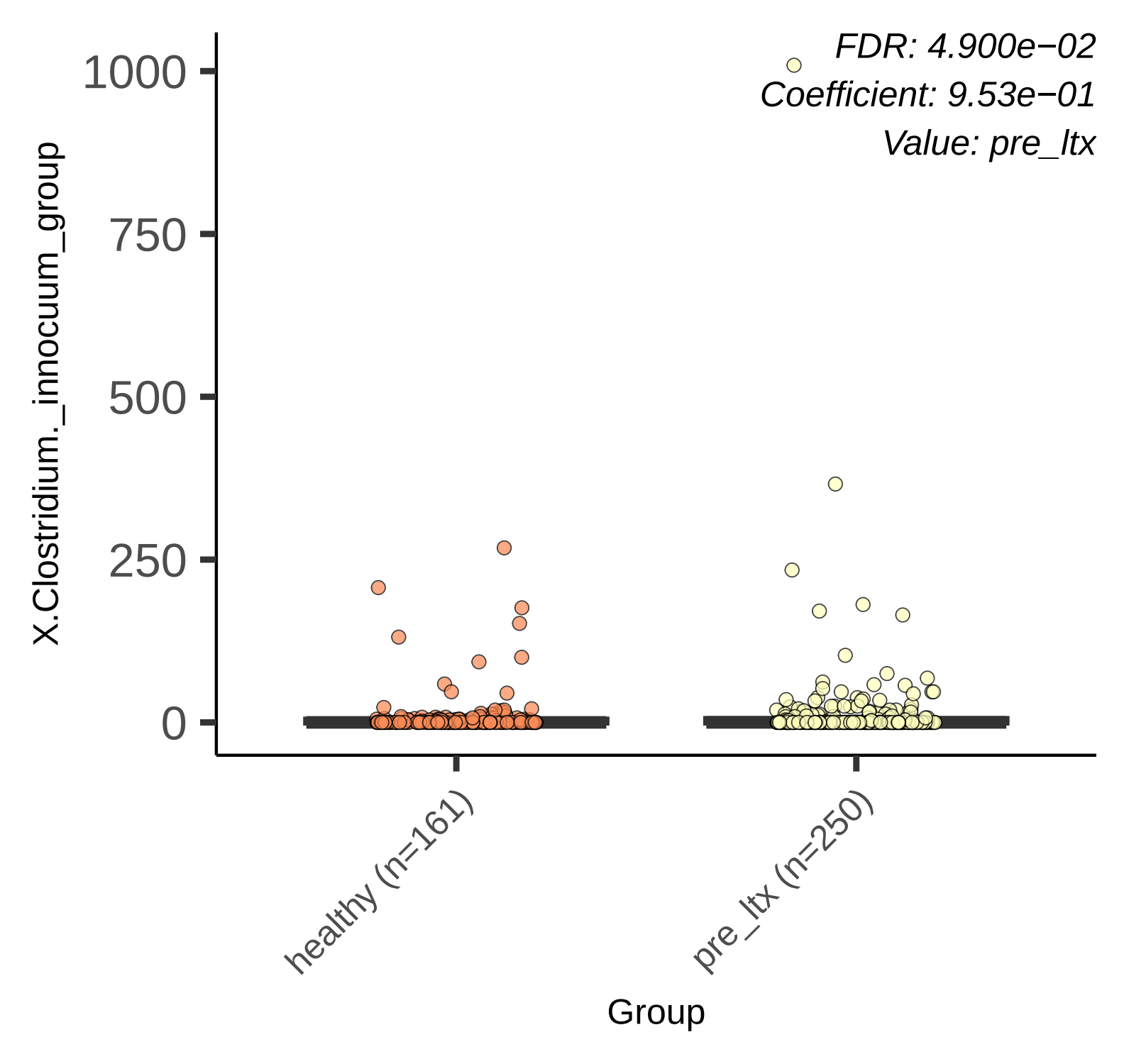

FDR: 3.482e−02
Coefficient: −6.55e−01
Value: pre_ltx
Frisingicoccus
2000
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group

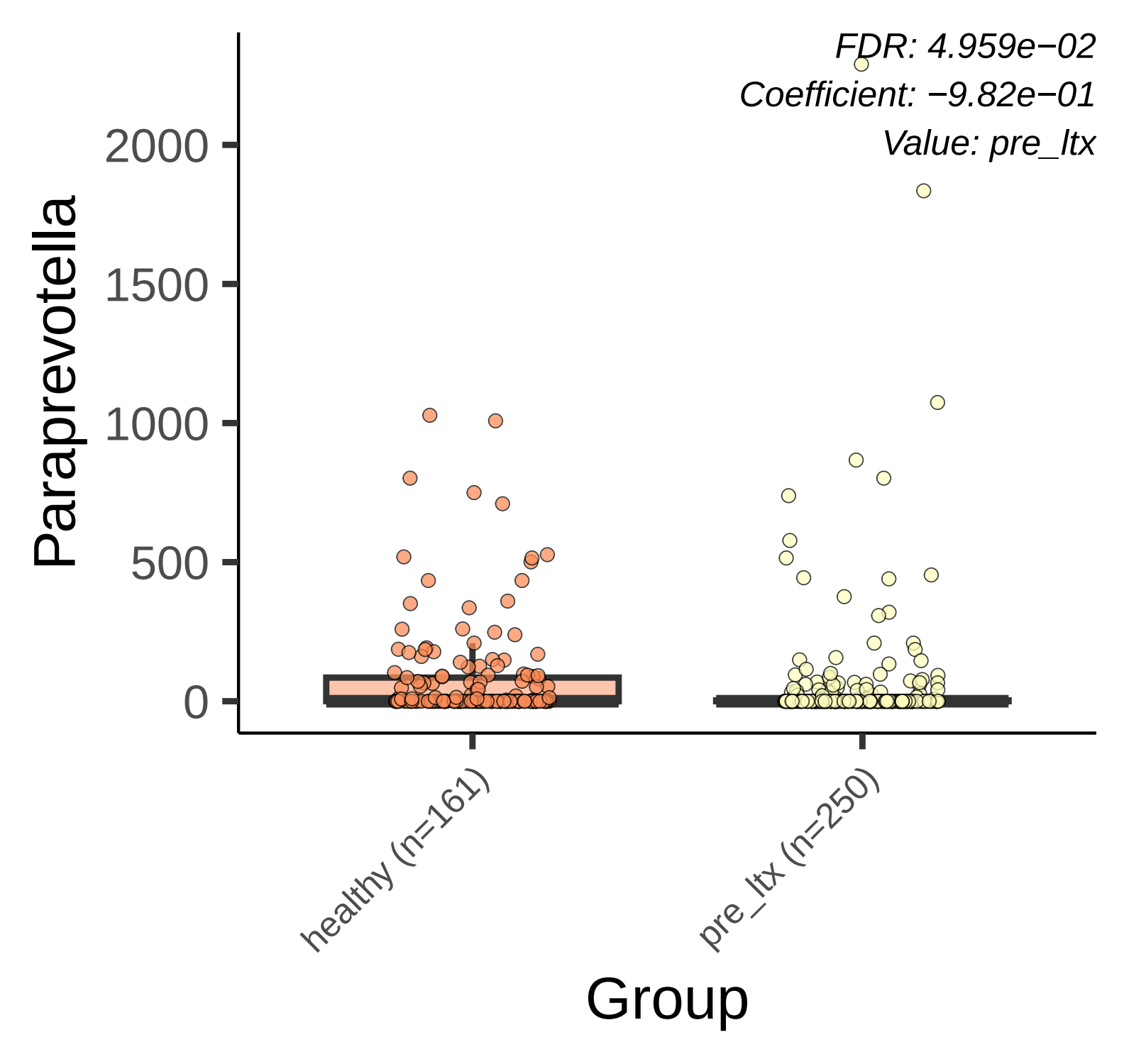

FDR: 3.698e−02
Coefficient: −1.04e+00
Value: pre_ltx
Romboutsia
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group


FDR: 4.698e−02
Coefficient: −9.18e−01
Value: pre_ltx
f__Eggerthellaceae.g__uncultured
500
400
300
200
100
0
healthy (n=161)
pre_ltx (n=250)
Group


FDR: 4.900e−02
Coefficient: 6.79e−01
Value: pre_ltx
Rothia
150
100
50
0
healthy (n=161)
pre_ltx (n=250)
Group


FDR: 4.900e−02
Coefficient: −6.09e−01
Value: pre_ltx
Prevotellaceae_NK3B31_group
2000
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group


FDR: 4.900e−02
Coefficient: 9.53e−01
Value: pre_ltx
1000
750
500
250
0
X.Clostridium._innocuum_group
healthy (n=161)
pre_ltx (n=250)
Group


FDR: 4.959e−02
Coefficient: −9.82e−01
Value: pre_ltx
Paraprevotella
2000
1500
1000
500
0
healthy (n=161)
pre_ltx (n=250)
Group