

Akkermansia.muciniphila

0.8  
0.6  
0.4  
0.2  
0.0

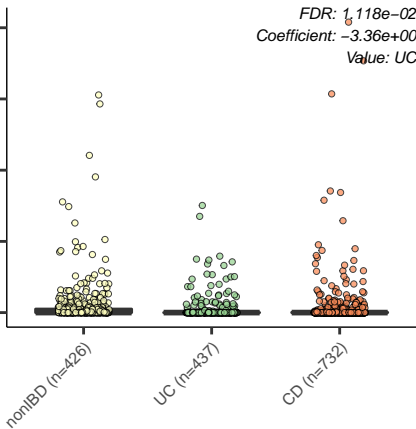
FDR:  $1.118 \times 10^{-2}$   
Coefficient:  $-3.36 \times 10^0$   
Value: UC

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Clostridium.bolteae

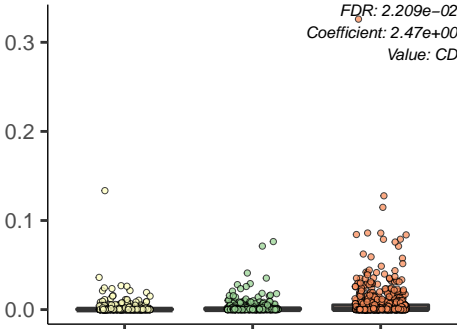
FDR:  $2.209 \times 10^{-2}$   
Coefficient:  $2.47 \times 10^0$   
Value: CD

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Bifidobacterium.adolescentis

0.3  
0.2  
0.1  
0.0

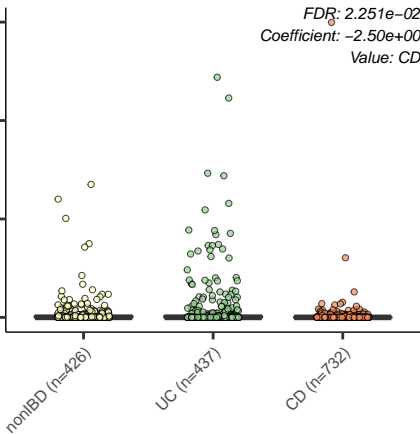
*FDR: 2.251e-02*  
*Coefficient: -2.50e+00*  
*Value: CD*

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Parabacteroides.goldsteinii

0.08  
0.06  
0.04  
0.02  
0.00

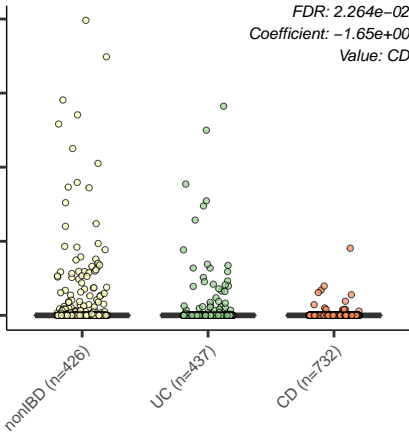
*FDR: 2.264e-02*  
*Coefficient: -1.65e+00*  
*Value: CD*

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Alistipes.putredinis

0.3  
0.2  
0.1  
0.0

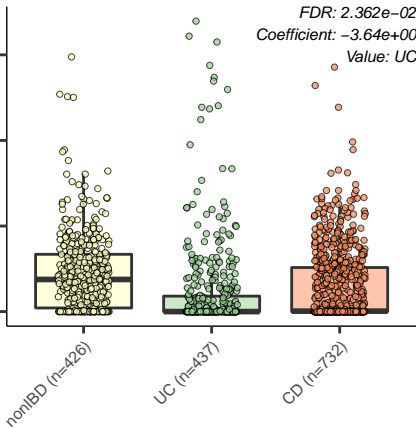
nonIBD (n=426)

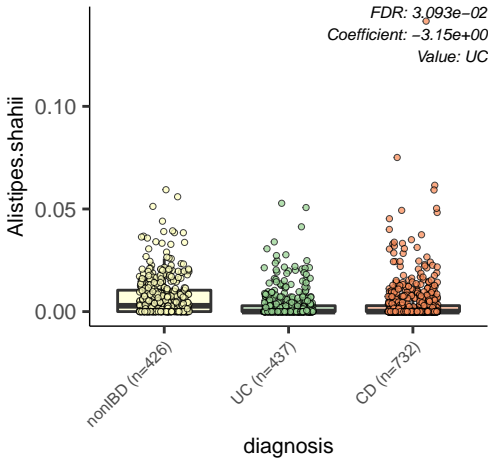
UC (n=437)

CD (n=732)

diagnosis

FDR:  $2.362e-02$   
Coefficient:  $-3.64e+00$   
Value: UC





Coprobacillus.unclassified

0.100  
0.075  
0.050  
0.025  
0.000

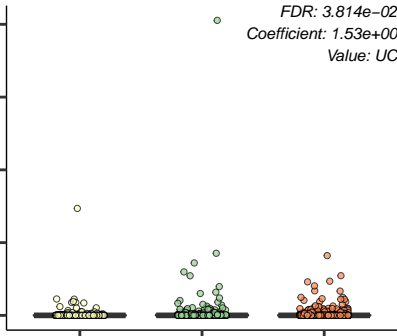
*FDR: 3.814e-02*  
*Coefficient: 1.53e+00*  
*Value: UC*

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Alistipes.shahii

0.10

0.05

0.00

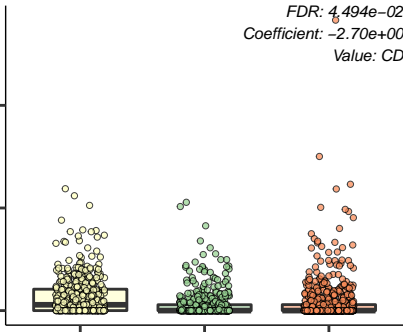
nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis

FDR:  $4.494e-02$   
Coefficient:  $-2.70e+00$   
Value: CD





Ruminococcus.callidus

0.08  
0.06  
0.04  
0.02  
0.00

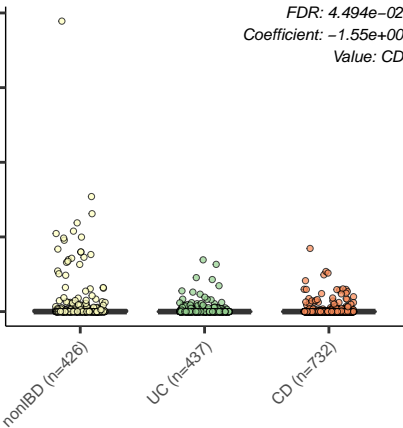
FDR:  $4.494e-02$   
Coefficient:  $-1.55e+00$   
Value: CD

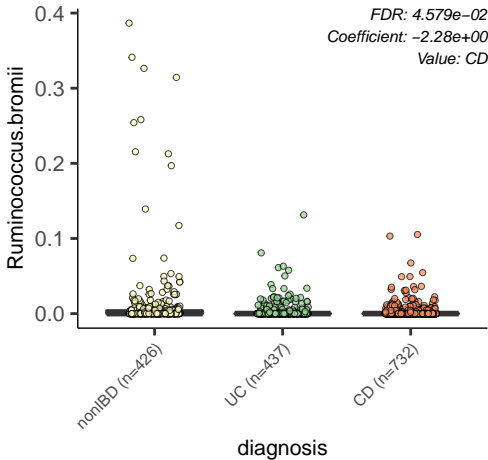
nonIBD (n=426)

UC (n=437)

CD (n=732)

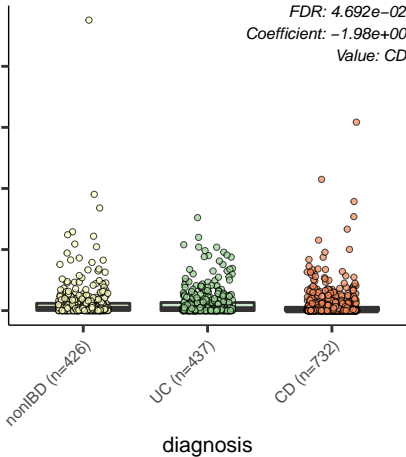
diagnosis





Roseburia.inulinivorans

FDR:  $4.692e-02$   
Coefficient:  $-1.98e+00$   
Value: CD



Ruminococcus.bromii

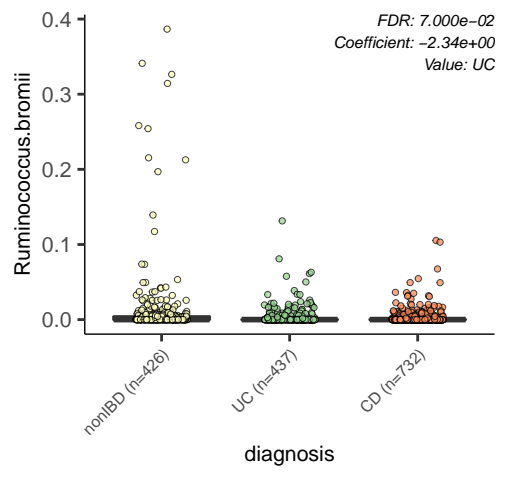
FDR: 7.000e-02  
Coefficient: -2.34e+00  
Value: UC

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Alistipes.finegoldii

FDR:  $7.048e-02$   
Coefficient:  $-2.47e+00$   
Value: UC

0.10

0.05

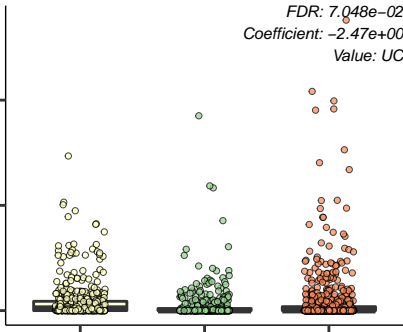
0.00

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Clostridium.symbiosum

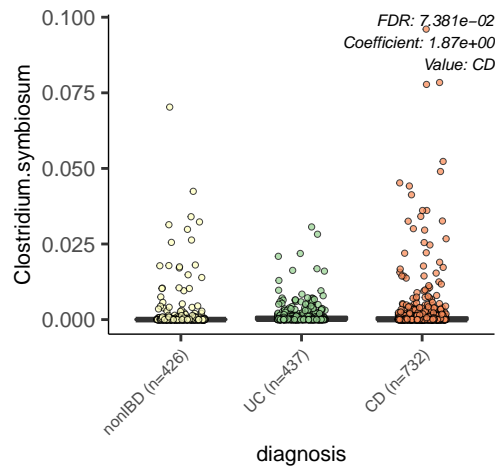
FDR:  $7.381e-02$   
Coefficient:  $1.87e+00$   
Value: CD

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Roseburia.hominis

0.100

0.075

0.050

0.025

0.000

FDR:  $7.381e-02$

Coefficient:  $-1.95e+00$

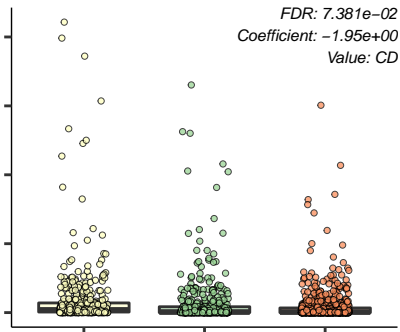
Value: CD

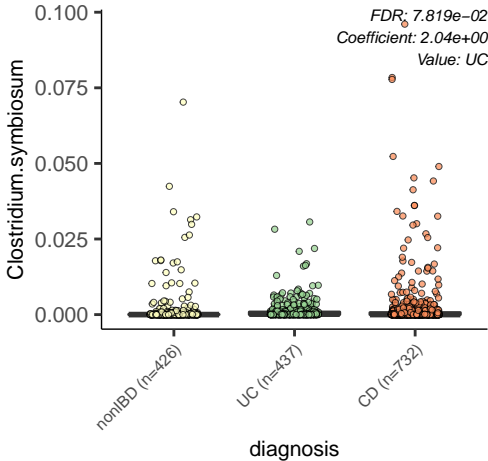
nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis







Bilophila.unclassified

0.08  
0.06  
0.04  
0.02  
0.00

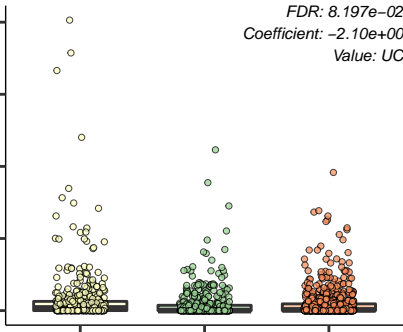
FDR:  $8.197e-02$   
Coefficient:  $-2.10e+00$   
Value: UC

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Akkermansia.muciniphila

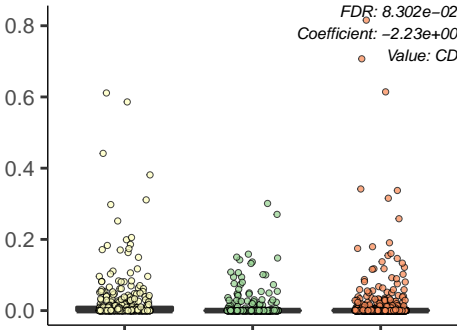
FDR:  $8.302e-02$   
Coefficient:  $-2.23e+00$   
Value: CD

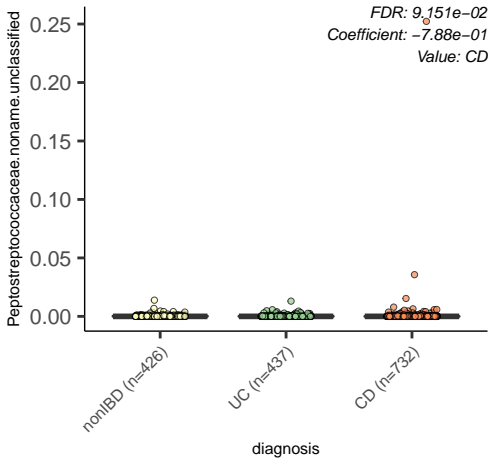
nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis





Clostridium.leptum

0.15  
0.10  
0.05  
0.00

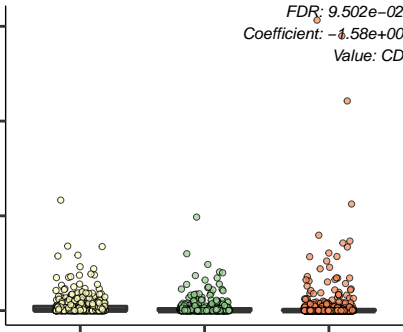
FDR:  $9.502e-02$   
Coefficient:  $-1.58e+00$   
Value: CD

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Alistipes.underdonkii

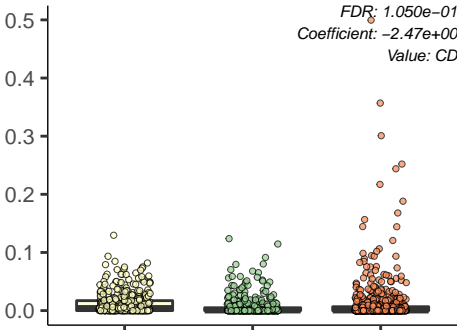
FDR: 1.050e-01  
Coefficient: -2.47e+00  
Value: CD

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Barnesiella.intestinihominis

0.15

0.10

0.05

0.00

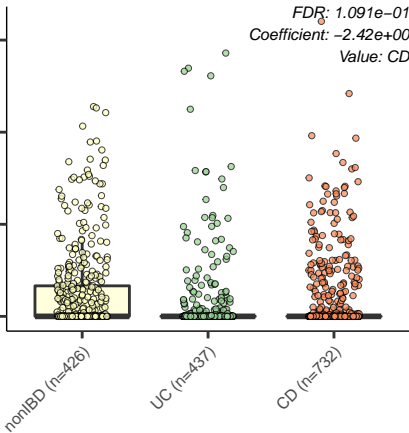
nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis

FDR:  $1.091e-01$   
Coefficient:  $-2.42e+00$   
Value: CD



Alistipes.underdonkii

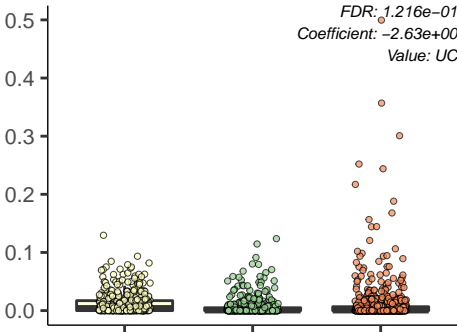
FDR:  $1.216 \times 10^{-1}$   
Coefficient:  $-2.63 \times 10^0$   
Value: UC

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Clostridium.clostridioforme

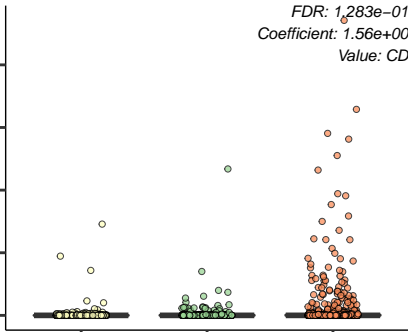
FDR: 1.283e-01  
Coefficient: 1.56e+00  
Value: CD

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis





Clostridium.leptum

0.15  
0.10  
0.05  
0.00

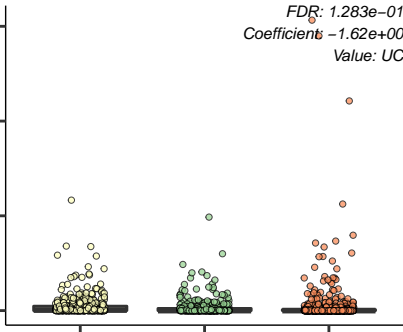
FDR: 1.283e-01  
Coefficient: -1.62e+00  
Value: UC

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Sutterella.wadsworthensis

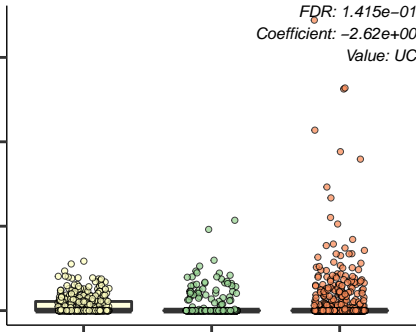
FDR:  $1.415e-01$   
Coefficient:  $-2.62e+00$   
Value: UC

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Ruminococcus.callidus

0.08  
0.06  
0.04  
0.02  
0.00

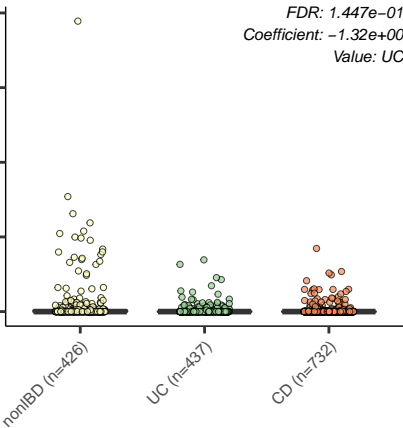
FDR:  $1.447e-01$   
Coefficient:  $-1.32e+00$   
Value: UC

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Coprobacillus.unclassified

0.100  
0.075  
0.050  
0.025  
0.000

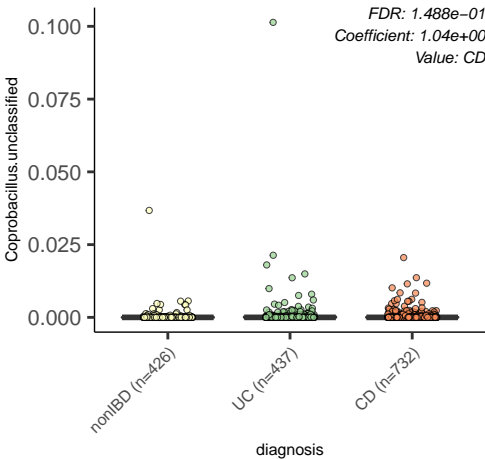
*FDR: 1.488e-01*  
*Coefficient: 1.04e+00*  
*Value: CD*

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Bacteroides.eggerthii

FDR: 1.533e-01  
Coefficient: -1.92e+00  
Value: CD

0.4

0.2

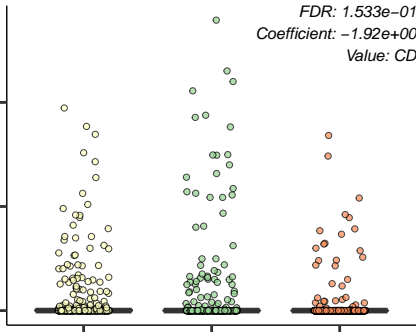
0.0

nonIBD (n=426)

UC (n=437)

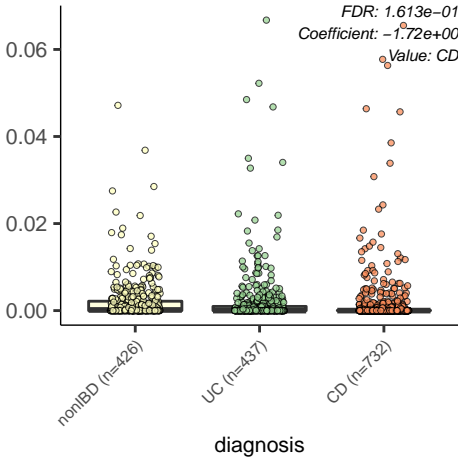
CD (n=732)

diagnosis



Eubacterium.ventriosum

FDR:  $1.613e-01$   
Coefficient:  $-1.72e+00$   
Value: CD



Alistipes.putredinis

0.3  
0.2  
0.1  
0.0

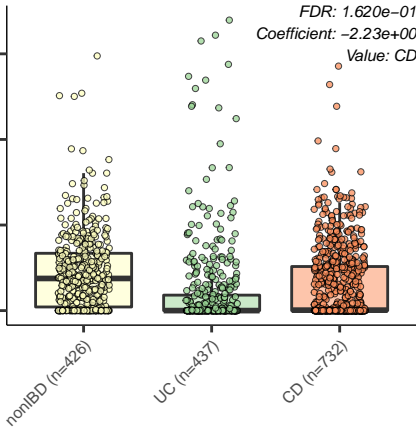
nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis

FDR: 1.620e-01  
Coefficient: -2.23e+00  
Value: CD



Parabacteroides.distasonis

*FDR: 1.649e-01*  
*Coefficient: 2.30e+00*  
*Value: UC*

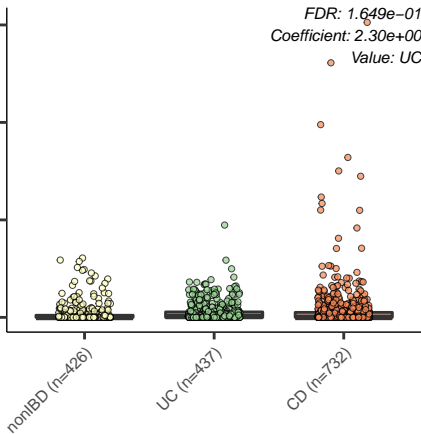
0.6  
0.4  
0.2  
0.0

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis





Ruminococcus.lactaris

0.06

0.04

0.02

0.00

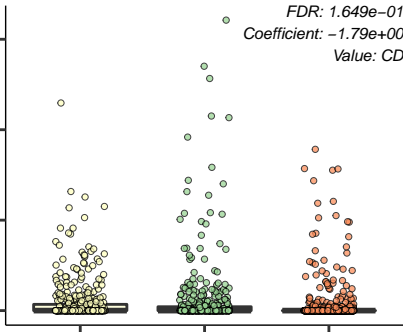
nonIBD (n=426)

UC (n=437)

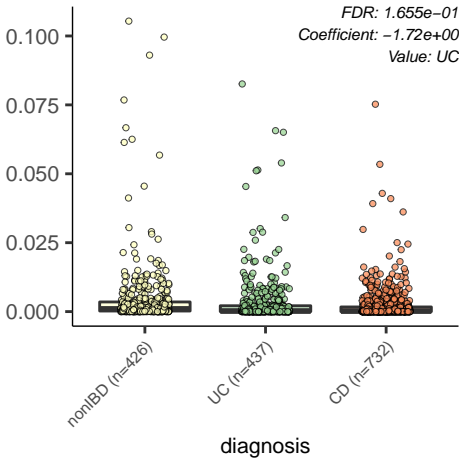
CD (n=732)

diagnosis

FDR: 1.649e-01  
Coefficient: -1.79e+00  
Value: CD



Roseburia.hominis



Parabacteroides.goldsteinii

0.08  
0.06  
0.04  
0.02  
0.00

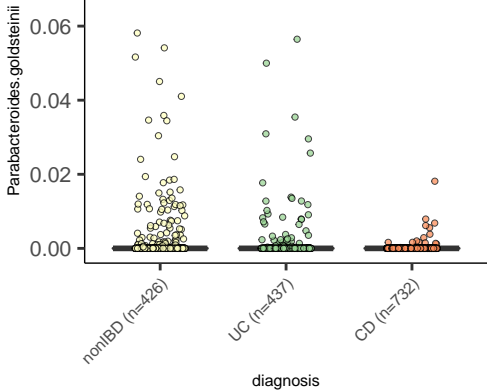
*FDR: 1.664e-01*  
*Coefficient: -1.19e+00*  
*Value: UC*

nonIBD (n=426)

UC (n=437)

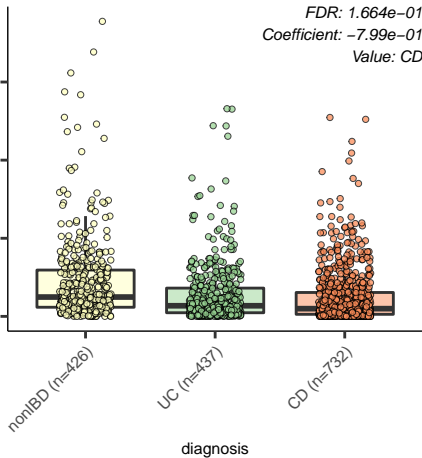
CD (n=732)

diagnosis



Subdoligranulum.unclassified

FDR:  $1.664e-01$   
Coefficient:  $-7.99e-01$   
Value: CD



Eubacterium.hallii

0.06

0.04

0.02

0.00

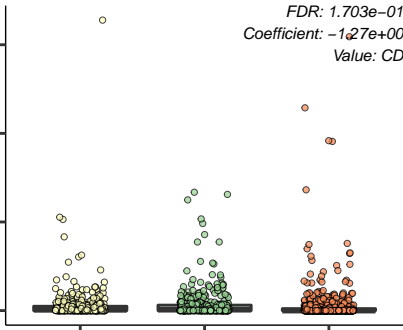
nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis

FDR: 1.703e-01  
Coefficient: -1.27e+00  
Value: CD



Barnesiella.intestinihominis

0.15

0.10

0.05

0.00

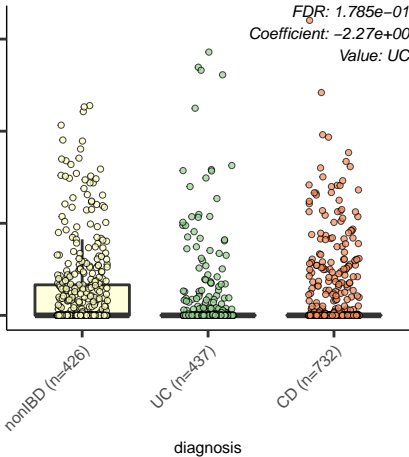
nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis

FDR: 1.785e-01  
Coefficient: -2.27e+00  
Value: UC



Bacteroides.finegoldii

FDR: 1.820e-01  
Coefficient: -2.00e+00  
Value: CD

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis

0.20

0.15

0.10

0.05

0.00

Bacteroidales.bacterium.ph8

0.08  
0.06  
0.04  
0.02  
0.00

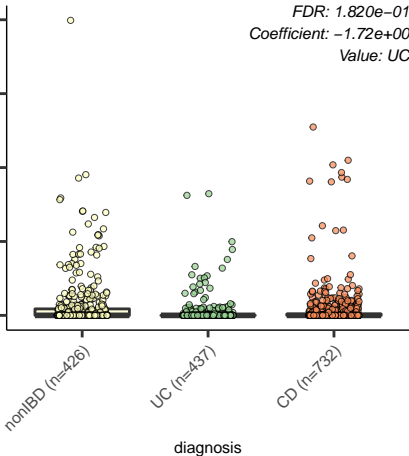
*FDR: 1.820e-01*  
*Coefficient: -1.72e+00*  
*Value: UC*

nonIBD (n=426)

UC (n=437)

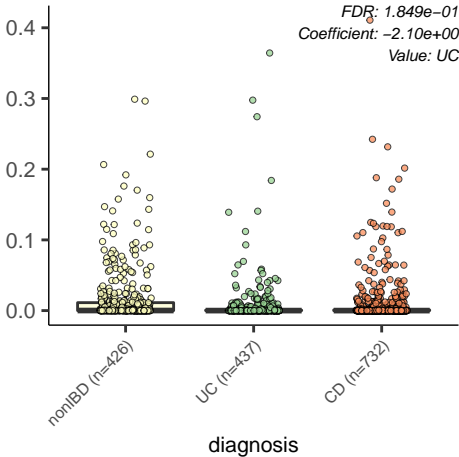
CD (n=732)

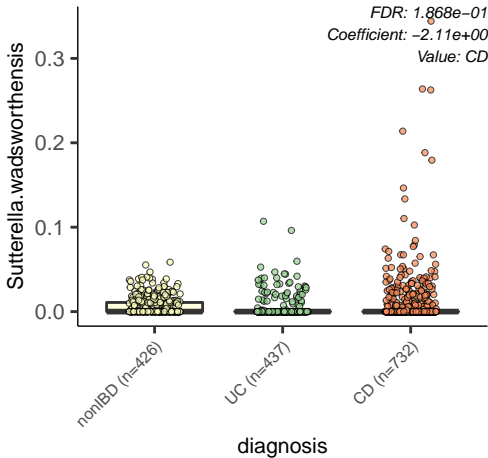
diagnosis





Eubacterium.siraeum





Oscillibacter. unclassified

FDR: 1.920e-01  
Coefficient: 1.24e+00  
Value: UC

0.2

0.1

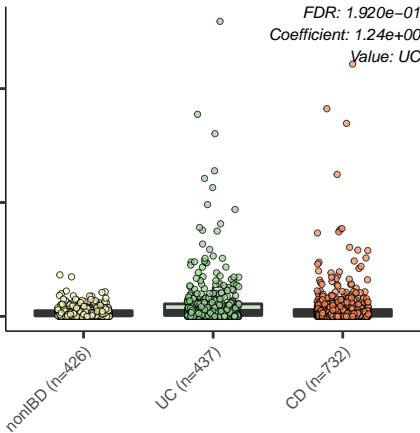
0.0

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Parabacteroides.unclassified

FDR: 1.951e-01  
Coefficient: 1.58e+00  
Value: CD

0.2

0.1

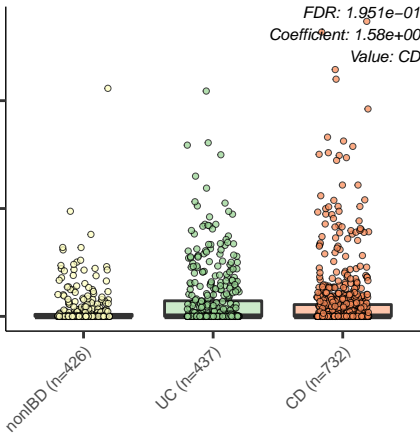
0.0

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Alistipes.finegoldii

FDR: 1.951e-01  
Coefficient: -1.65e+00  
Value: CD

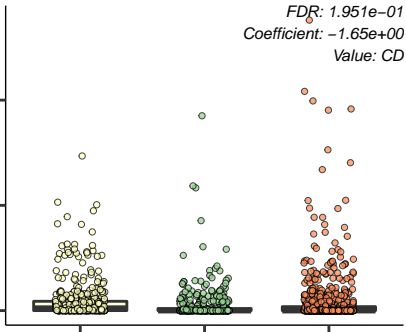
0.10  
0.05  
0.00

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Ruminococcus.gnavus

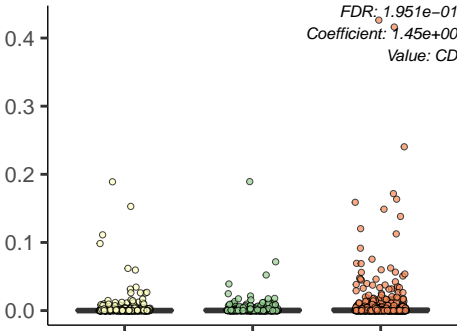
FDR:  $1.951e-01$   
Coefficient:  $1.45e+00$   
Value: CD

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Odoribacter.splanchnicus

0.08  
0.06  
0.04  
0.02  
0.00

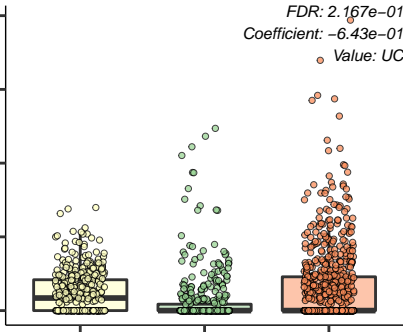
$FDR: 2.167e-01$   
 $Coefficient: -6.43e-01$   
Value: UC

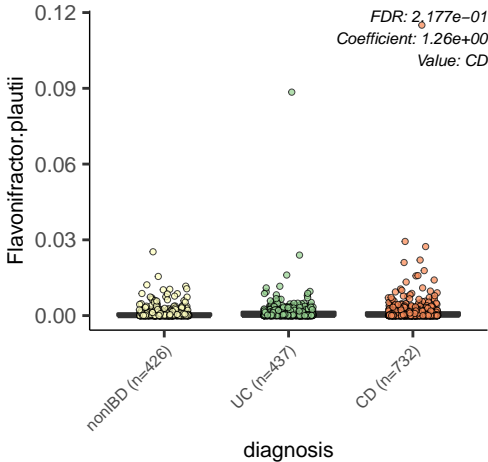
nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis







Bacteroides.ovatus

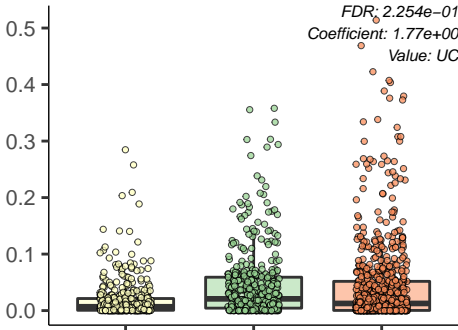
FDR: 2.254e-01  
Coefficient: 1.77e+00  
Value: UC

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis



Bacteroides.fragilis

FDR:  $2.309e-01$   
Coefficient:  $2.24e+00$   
Value: CD

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis

0.0  
0.2  
0.4  
0.6

Clostridium.bolteae

FDR: 2.388e-01  
Coefficient: 1.52e+00  
Value: UC

nonIBD (n=426)

UC (n=437)

CD (n=732)

diagnosis

