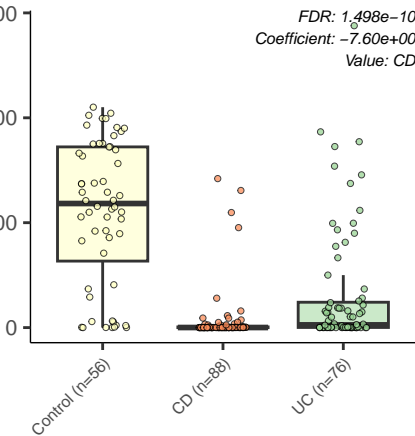


C18.neg_Cluster_2021...urobilin

FDR: $1.498e-10$
Coefficient: $-7.60e+00$
Value: CD



diagnosis_modified

HILIC_pos_Cluster_2093...urobilin.

FDR: 2.344e-10
Coefficient: -8.61e+00
Value: CD

30000

20000

10000

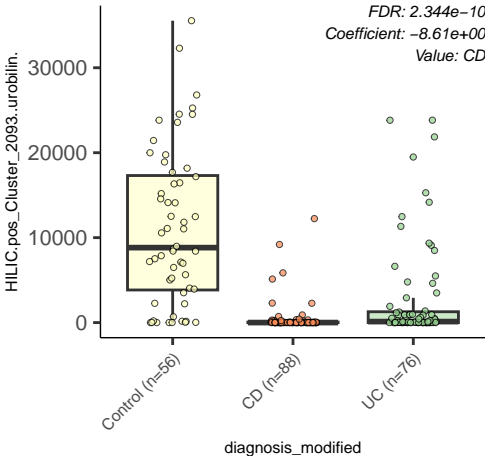
0

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.pos_Cluster_1486..C16.carnitine

FDR: 1.128×10^{-7}
Coefficient: 4.37×10^0
Value: CD

4000

2000

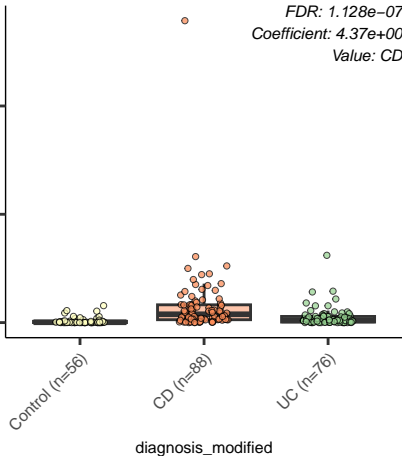
0

Control (n=56)

CD (n=88)

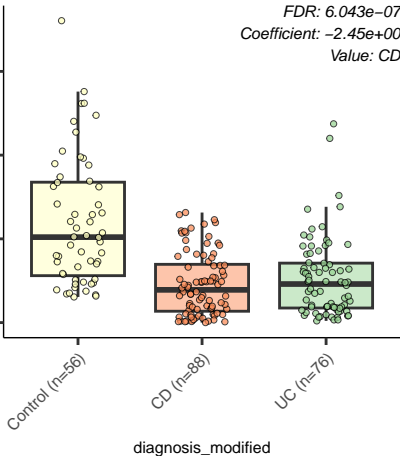
UC (n=76)

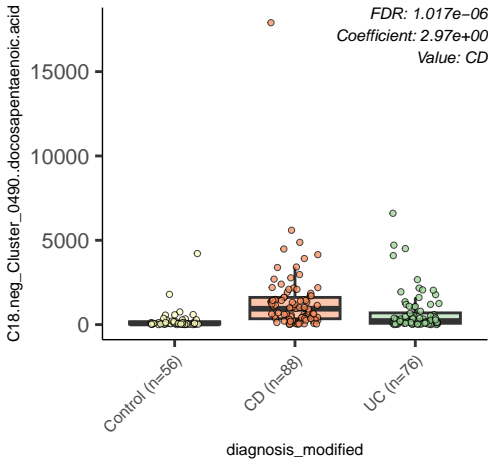
diagnosis_modified

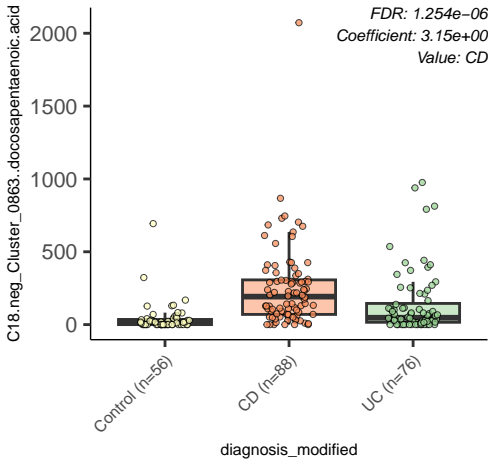


HILIC_pos_Cluster_0268..pyridoxamine

FDR: $6.043e-07$
Coefficient: $-2.45e+00$
Value: CD







C8.pos_Cluster_0988...sphingosine

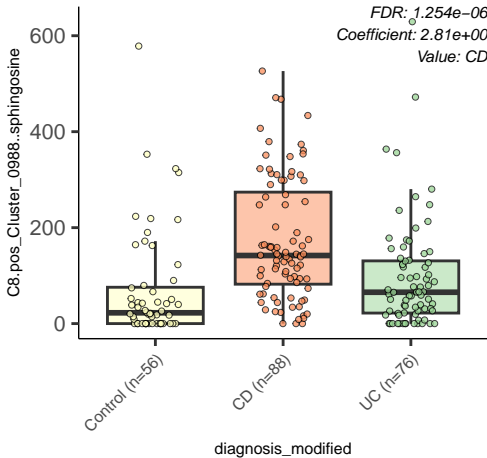
FDR: $1.254e-06$
Coefficient: $2.81e+00$
Value: CD

Control (n=56)

CD (n=88)

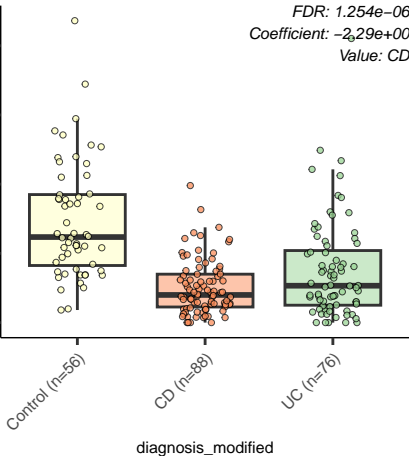
UC (n=76)

diagnosis_modified



HILIC.pos_Cluster_0521..L.1.2.3.4.tetrahydro.beta.carboline.3.ca

FDR: $1.254e-06$
Coefficient: $-2.29e+00$
Value: CD



HILIC_pos_Cluster_1580..C18.2.carnitine

FDR: 1.254e-06
Coefficient: 4.01e+00
Value: CD

2000

1000

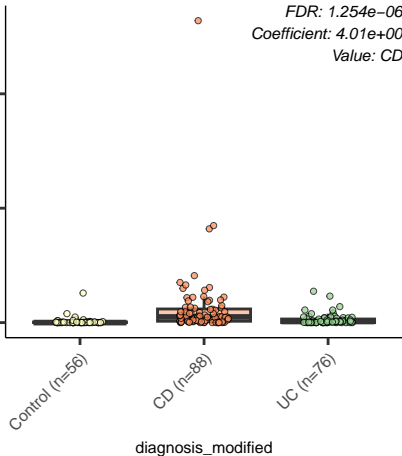
0

Control (n=56)

CD (n=88)

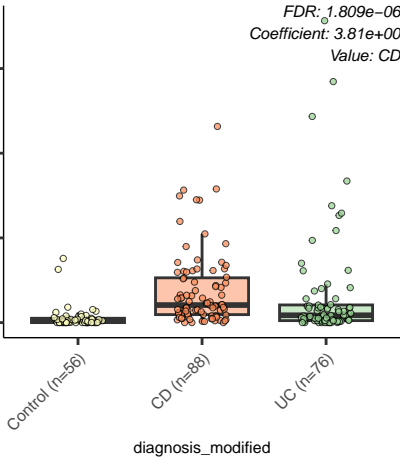
UC (n=76)

diagnosis_modified



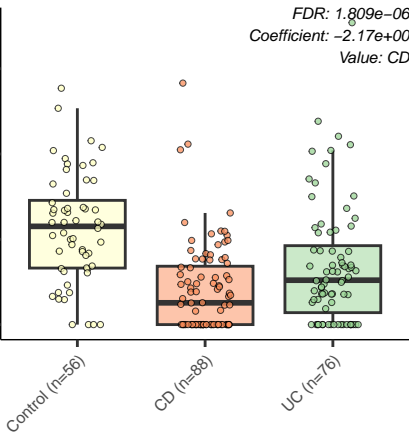
C18.neg_Cluster_0506..adrenic.acid

FDR: 1.809×10^{-6}
Coefficient: 3.81×10^0
Value: CD

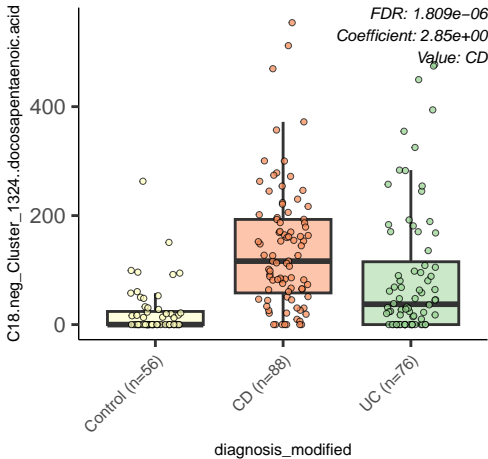


C18.neg_Cluster_0901..7.ketodeoxycholate

FDR: $1.809e-06$
Coefficient: $-2.17e+00$
Value: CD



diagnosis_modified



HILIC.neg_Cluster_0441...sebacate

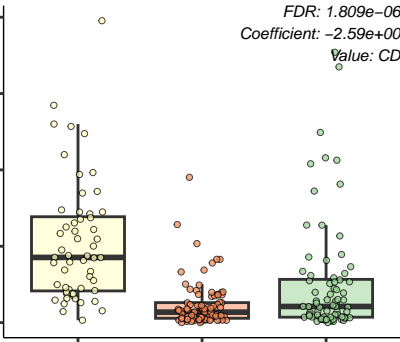
FDR: 1.809e-06
Coefficient: -2.59e+00
Value: CD

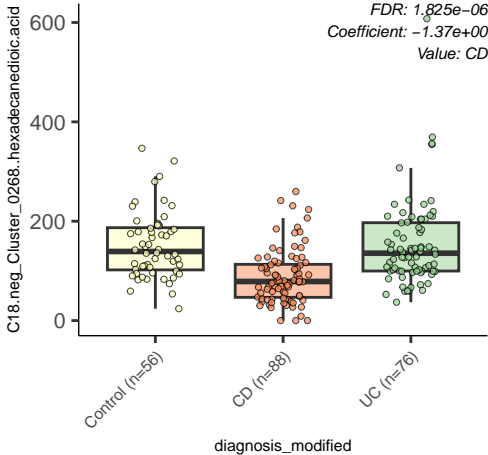
Control (n=56)

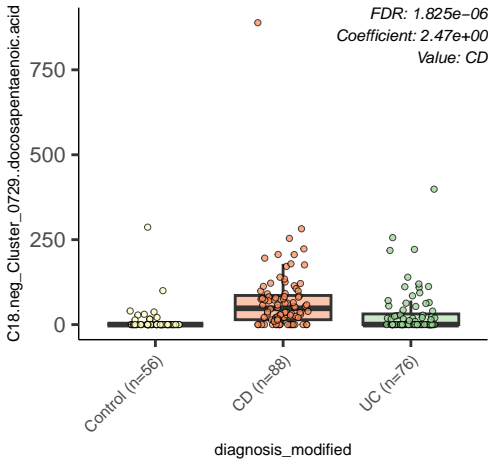
CD (n=88)

UC (n=76)

diagnosis_modified







C18.neg_Cluster_0591..eicosatrienoic.acid

FDR: 2.047e-06
Coefficient: 2.65e+00
Value: CD

400

200

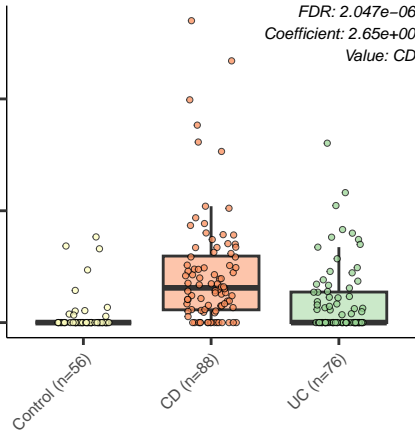
0

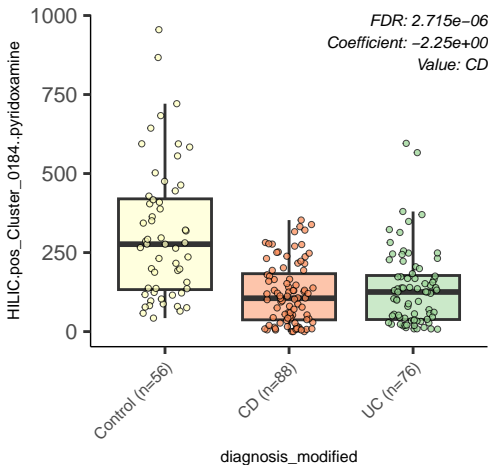
Control (n=56)

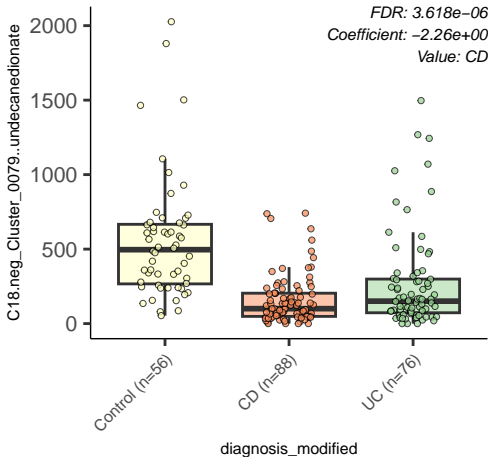
CD (n=88)

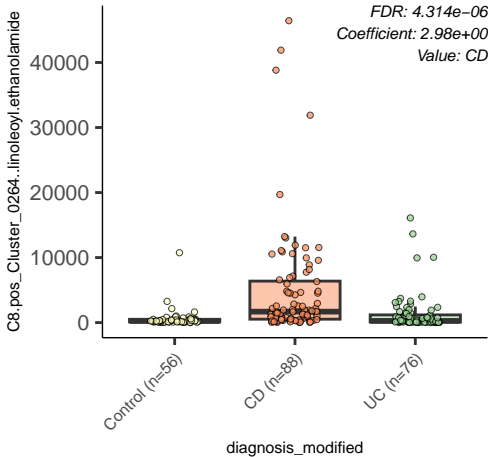
UC (n=76)

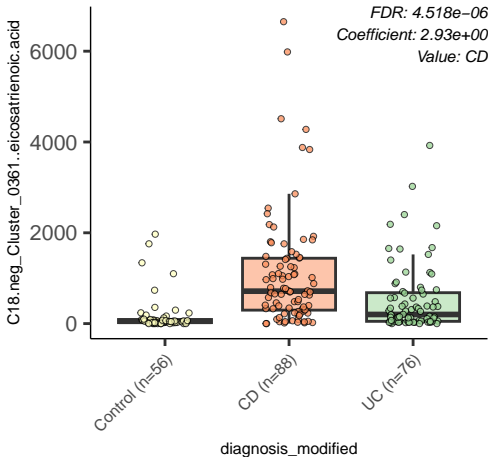
diagnosis_modified











C8.pos_Cluster_0253..sphingosine

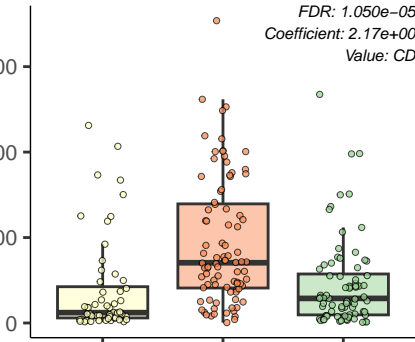
FDR: 1.050e-05
Coefficient: 2.17e+00
Value: CD

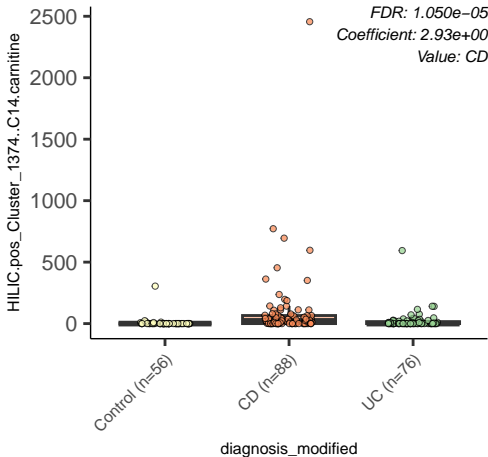
Control (n=56)

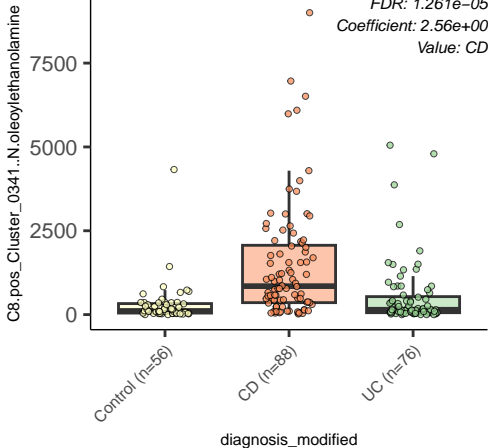
CD (n=88)

UC (n=76)

diagnosis_modified

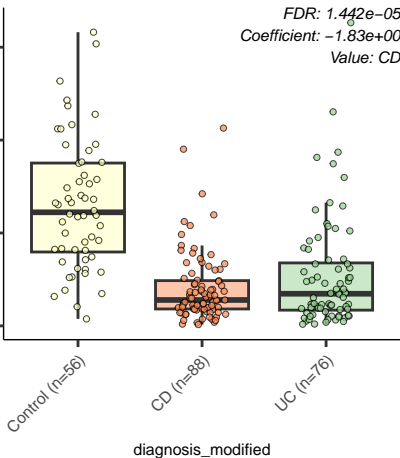






HILIC.pos_Cluster_0384..N.acetylglutamic.acid

FDR: $1.442e-05$
Coefficient: $-1.83e+00$
Value: CD



C18.neg_Cluster_0045..azelate

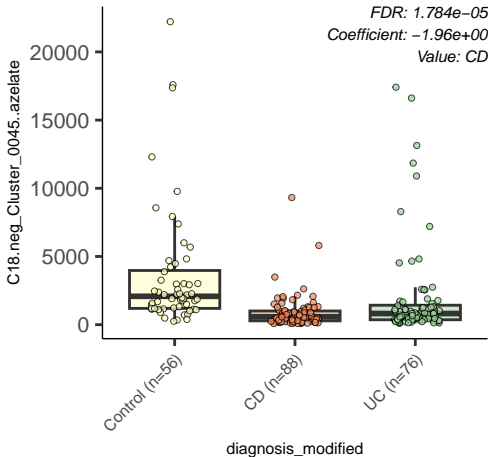
FDR: 1.784e-05
Coefficient: -1.96e+00
Value: CD

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.pos_Cluster_0540..pantothenate

FDR: 1.829e-05
Coefficient: -1.52e+00
Value: CD

10000

5000

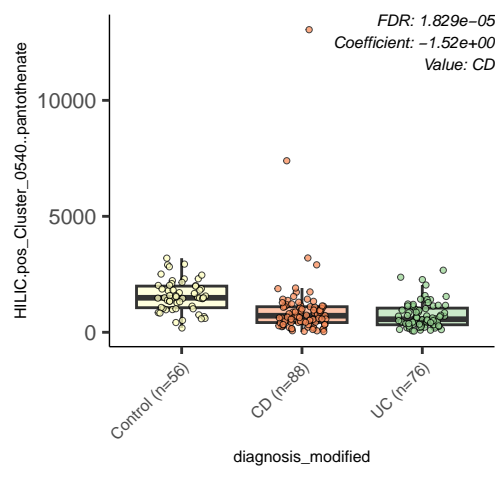
0

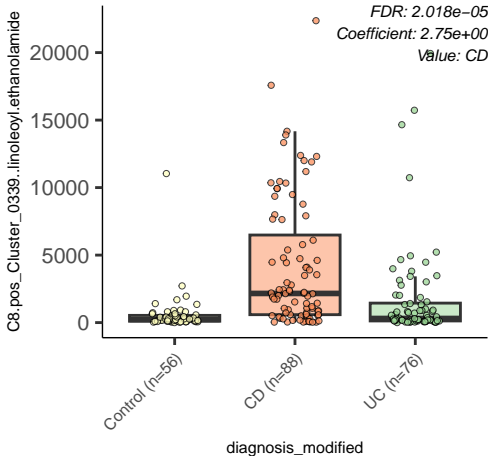
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC.pos_Cluster_0524..N.acetyl.L.arginine

FDR: 2.041e-05
Coefficient: -1.68e+00
Value: CD

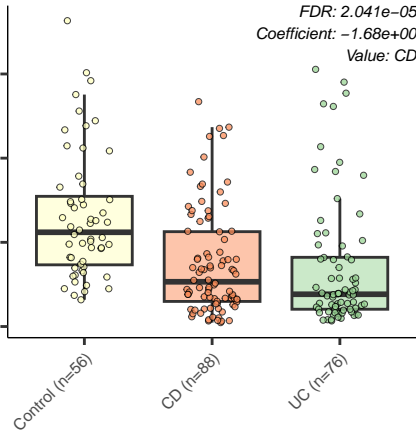
750
500
250
0

Control (n=56)

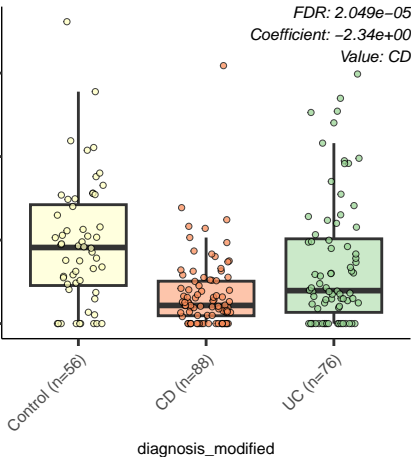
CD (n=88)

UC (n=76)

diagnosis_modified



C18.neg.Cluster_0183...1.2.3.4.tetrahydro.b.carboline.1.3.dicar



C8.pos_Cluster_0166...sphingosine

FDR: 2.064e-05

Coefficient: 2.32e+00

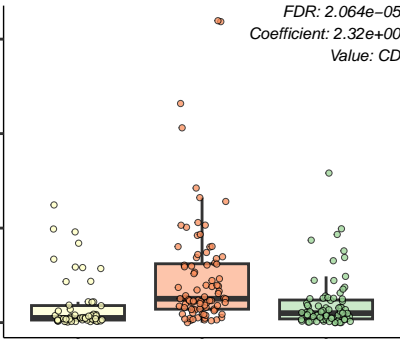
Value: CD

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC_pos_Cluster_0177_4.hydroxy.3.methylacetophen

FDR: $2.064e-05$
Coefficient: $-2.14e+00$
Value: CD

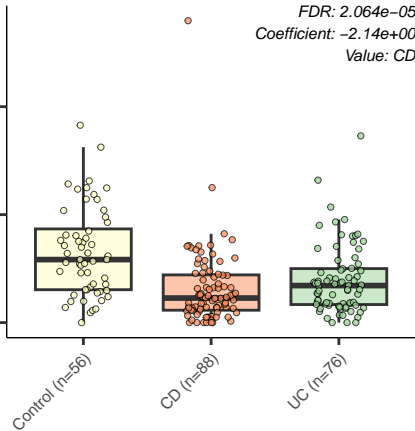
400
200
0

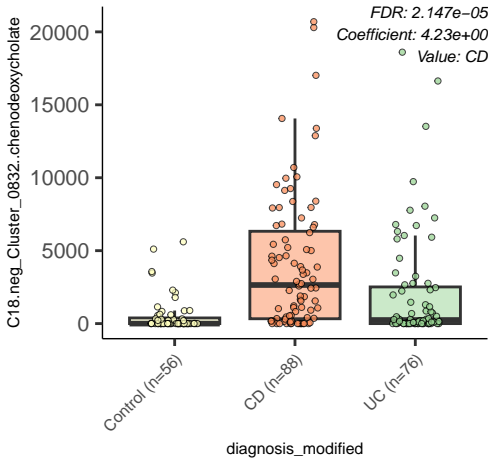
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC.neg_Cluster_0288..suberate

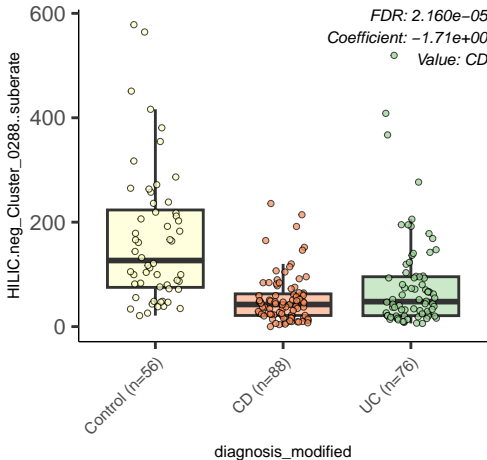
FDR: 2.160×10^{-5}
Coefficient: -1.71×10^0
Value: CD

Control (n=56)

CD (n=88)

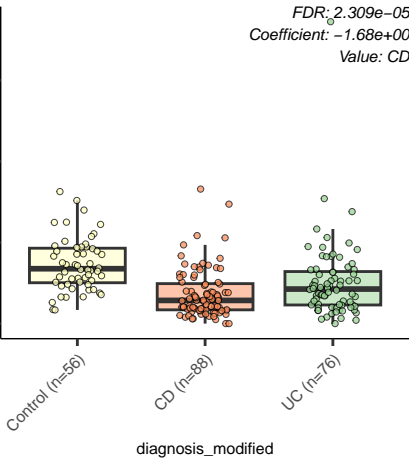
UC (n=76)

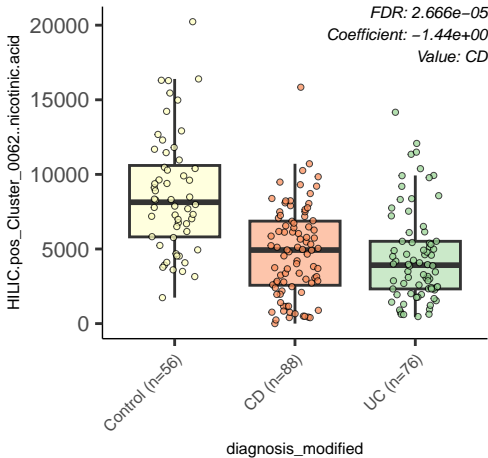
diagnosis_modified

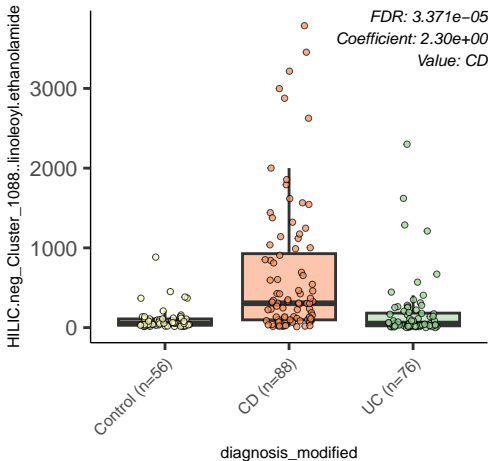


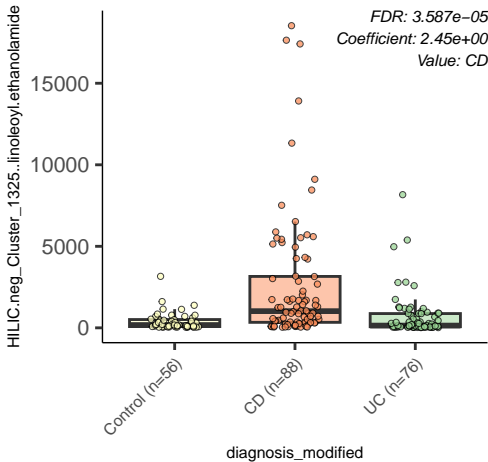
HILIC.pos_Cluster_0658..geranyl.acetoacetate.

FDR: $2.309e-05$
Coefficient: $-1.68e+00$
Value: CD



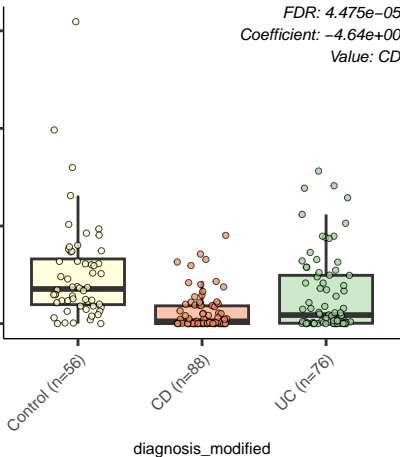


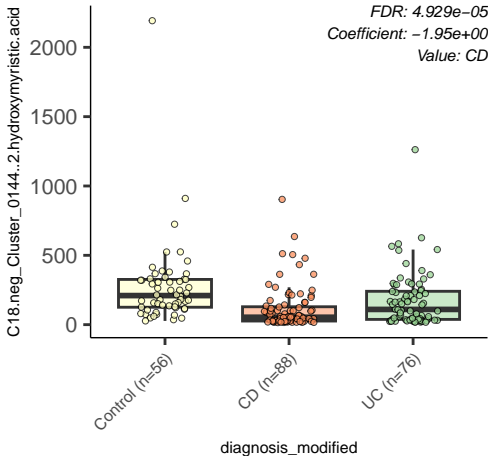




HILIC.neg_Cluster_0220..3.methyladipate.pimelate

FDR: $4.475e-05$
Coefficient: $-4.64e+00$
Value: CD





C18.neg_Cluster_0486..carnosol

FDR: $4.929e-05$
Coefficient: $-3.55e+00$
Value: CD

7500

5000

2500

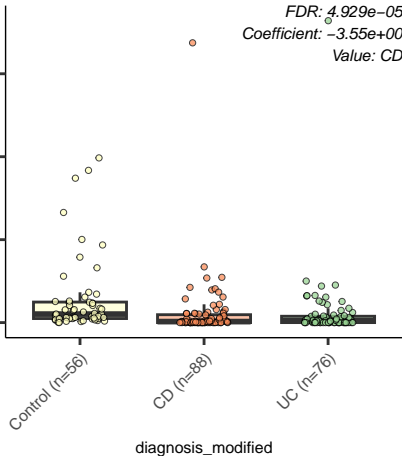
0

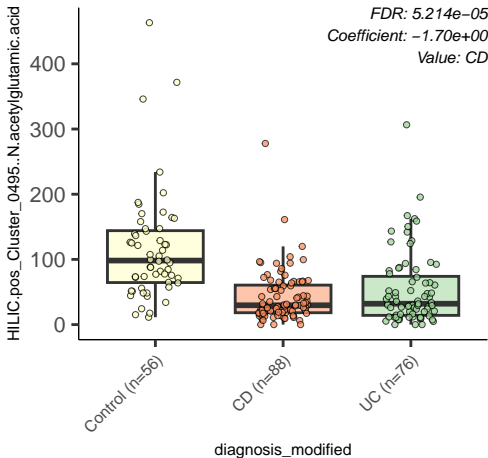
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC.pos_Cluster_0540..pantothenate

FDR: 6.046e-05
Coefficient: -1.49e+00
Value: UC

10000

5000

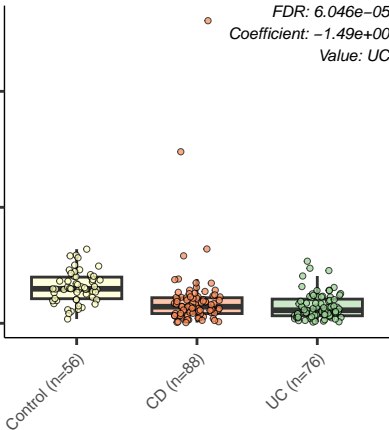
0

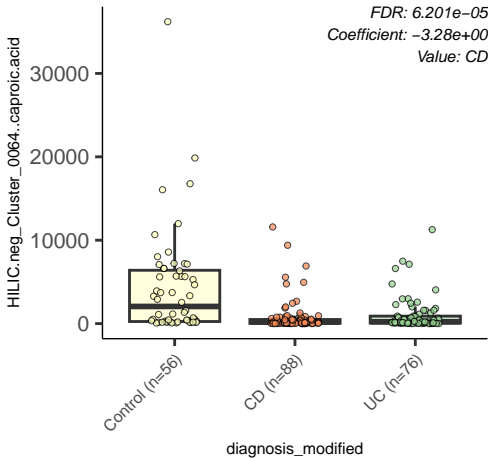
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





C8_pos_Cluster_0629..cholestenone

FDR: $7.785e-05$
Coefficient: $-2.38e+00$
Value: CD

200

100

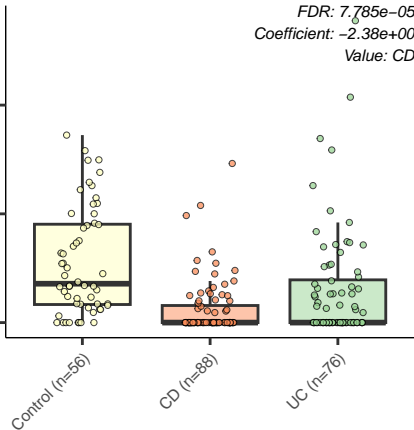
0

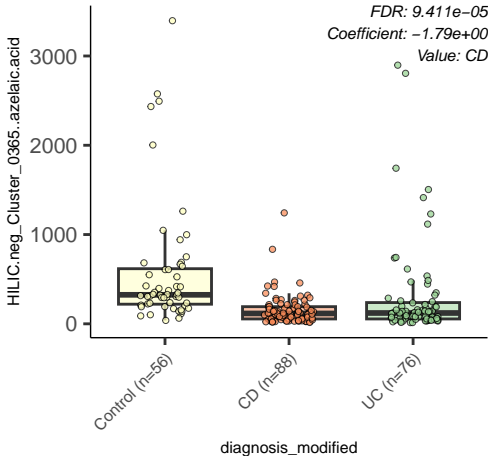
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





C18.neg_Cluster_0064..sebacate

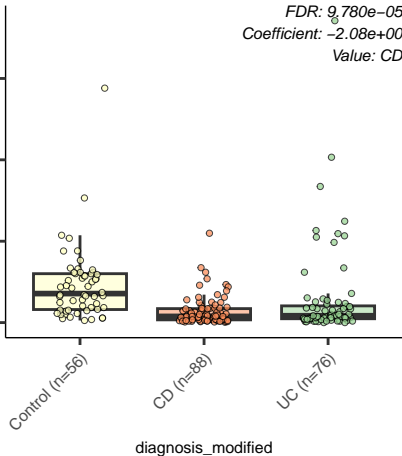
FDR: $9.780e-05$
Coefficient: $-2.08e+00$
Value: CD

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



C18.neg_Cluster_01111..dodecanedioic.acid

FDR: 1.047e-04
Coefficient: -1.75e+00
Value: CD

4000

2000

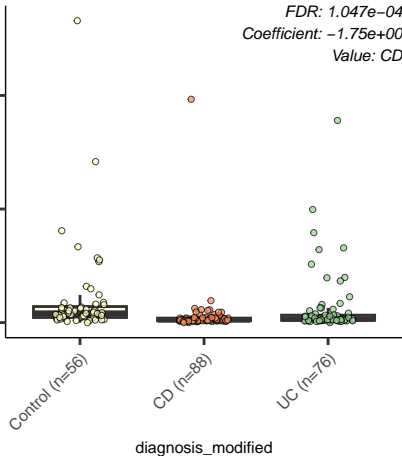
0

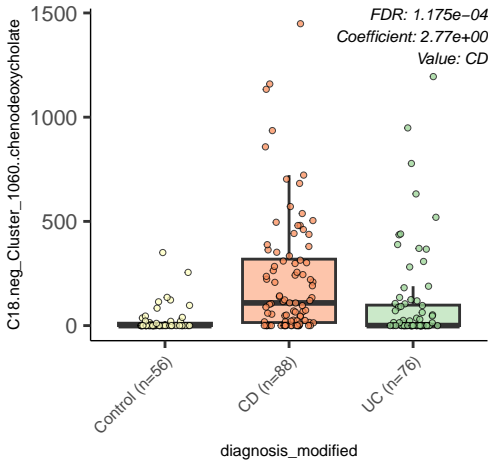
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC.pos_Cluster_1370..5alpha.cholestanol

FDR: 1.232e-04
Coefficient: -4.01e+00
Value: CD

Control (n=56)

CD (n=88)

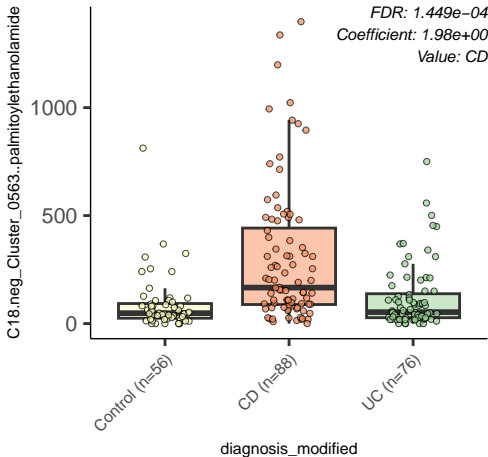
UC (n=76)

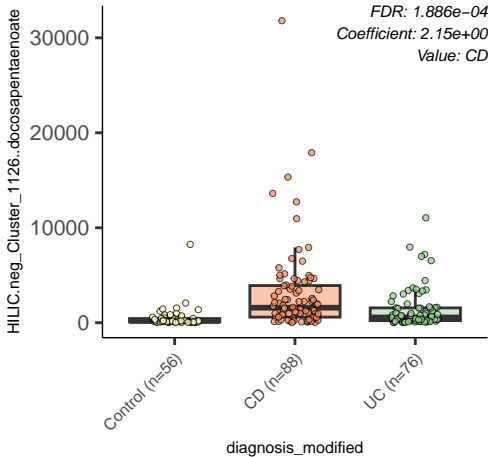
diagnosis_modified

400

200

0





C8.pos_Cluster_0123..sphingosine

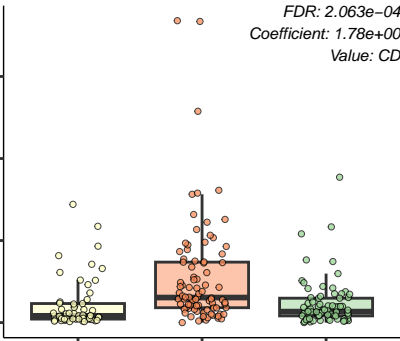
FDR: 2.063e-04
Coefficient: 1.78e+00
Value: CD

Control (n=56)

CD (n=88)

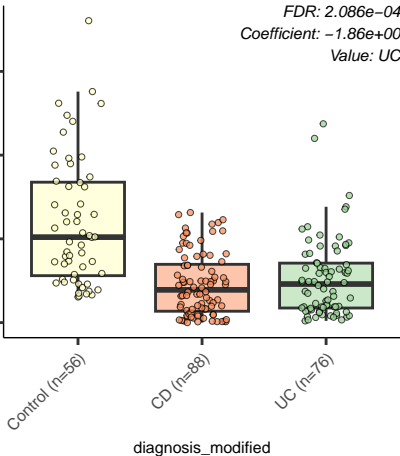
UC (n=76)

diagnosis_modified

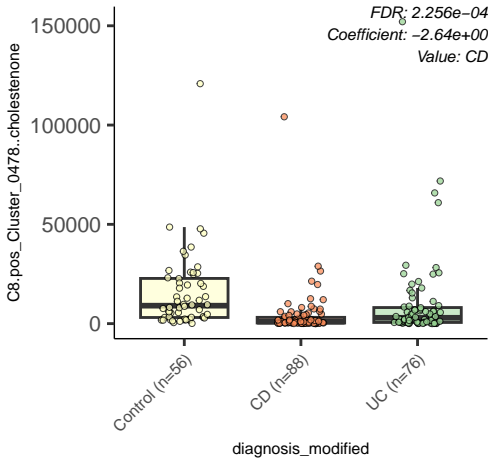


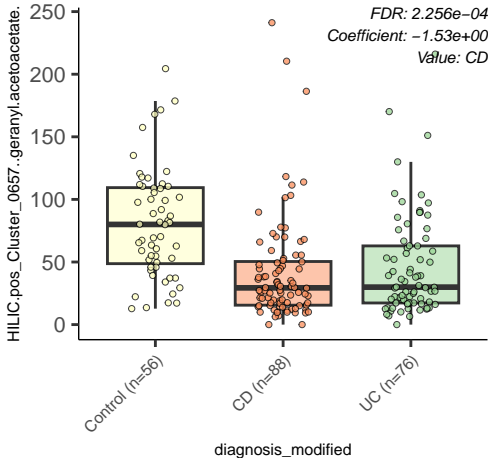
HILIC_pos_Cluster_0268..pyridoxamine

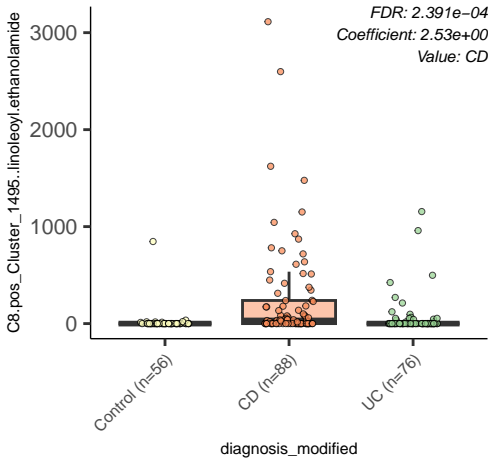
FDR: 2.086e-04
Coefficient: -1.86e+00
Value: UC

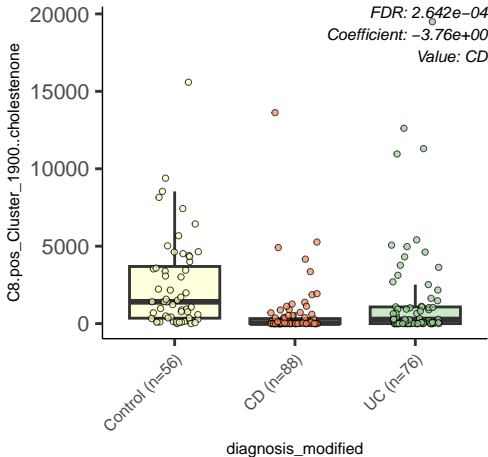


diagnosis_modified









C18.neg_Cluster_1372..cholate

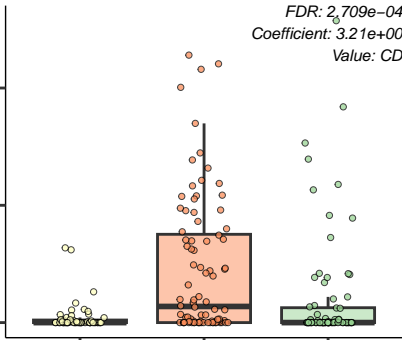
FDR: $2.709e-04$
Coefficient: $3.21e+00$
Value: CD

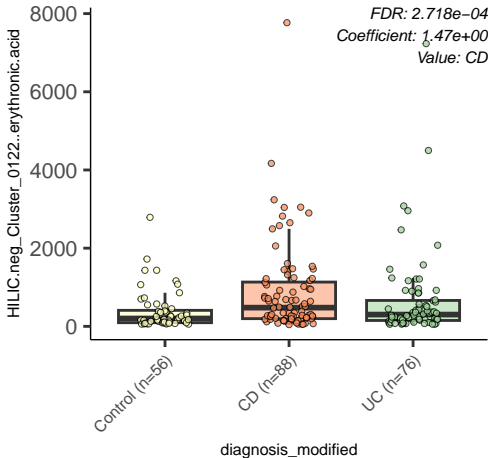
Control (n=56)

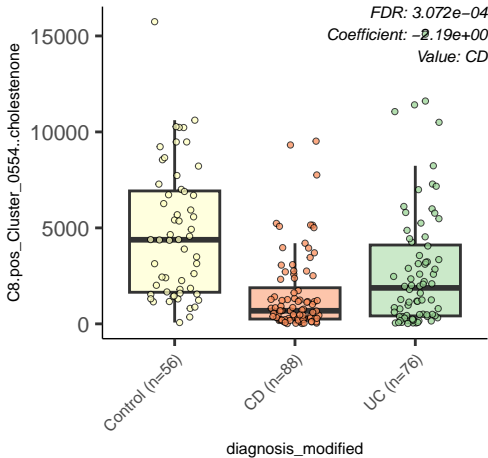
CD (n=88)

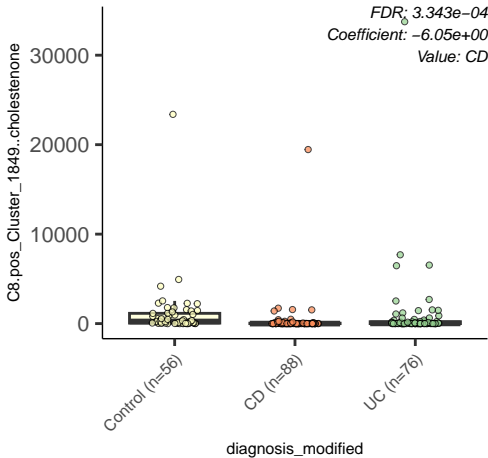
UC (n=76)

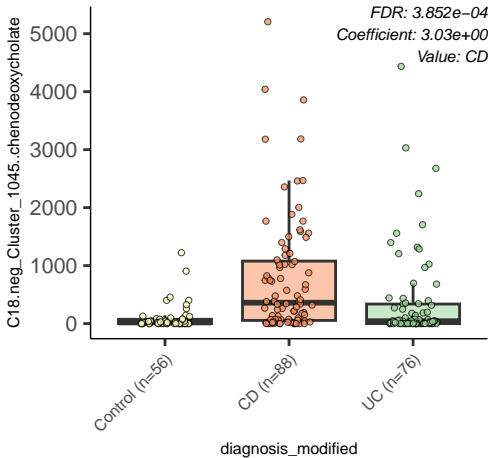
diagnosis_modified

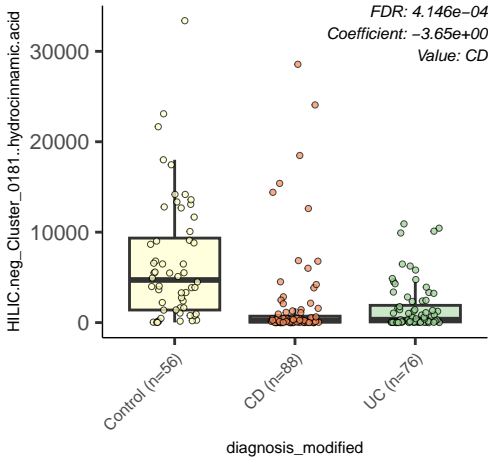












C18.neg_Cluster_1722...cholate

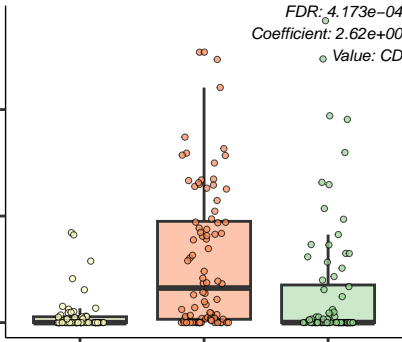
FDR: 4.173×10^{-4}
Coefficient: 2.62×10^0
Value: CD

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.neg_Cluster_0082...nicotinate

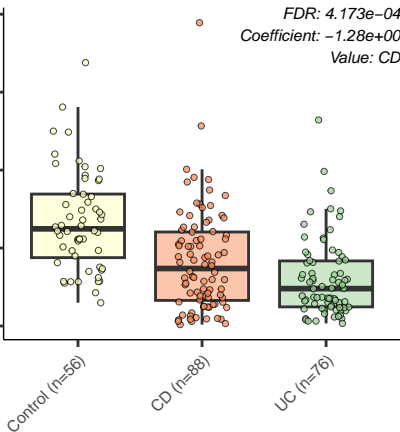
FDR: $4.173e-04$
Coefficient: $-1.28e+00$
Value: CD

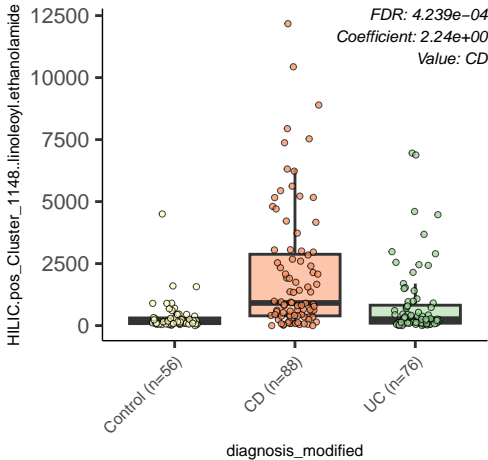
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC.pos_Cluster_0524..N.acetyl.L.arginine

FDR: 4.716e-04
Coefficient: -1.46e+00
Value: UC

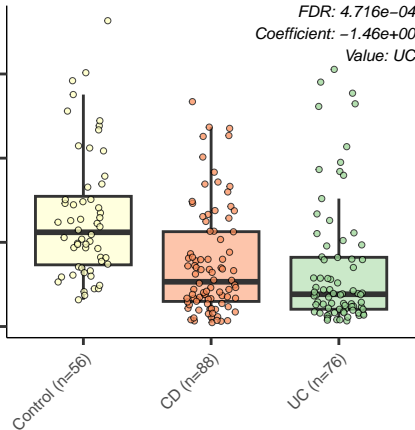
750
500
250
0

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.neg_Cluster_0082...nicotinate

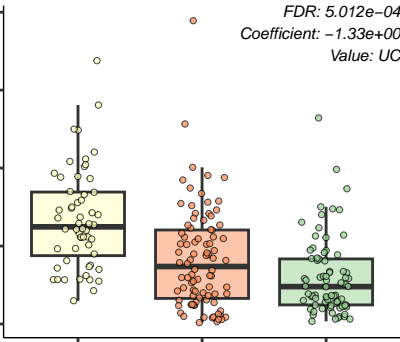
FDR: $5.012e-04$
Coefficient: $-1.33e+00$
Value: UC

Control (n=56)

CD (n=88)

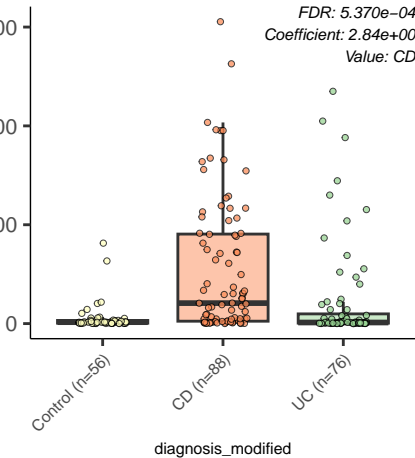
UC (n=76)

diagnosis_modified



HILIC.neg_Cluster_1403..cholate

FDR: 5.370e-04
Coefficient: 2.84e+00
Value: CD



C18.neg_Cluster_1941..arachidonic.acid

FDR: $5.404e-04$
Coefficient: $1.47e+00$
Value: UC

400

200

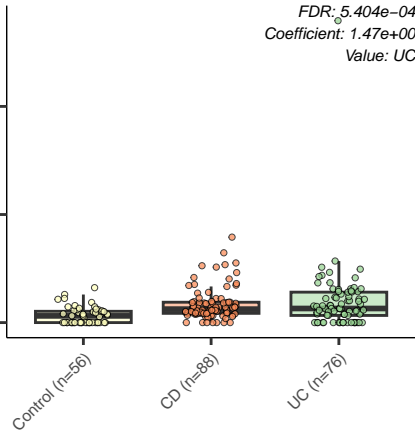
0

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



C18.neg_Cluster_1621..cholate

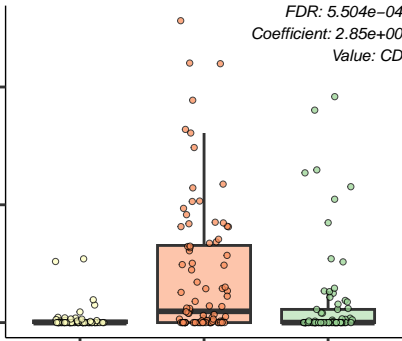
FDR: 5.504e-04
Coefficient: 2.85e+00
Value: CD

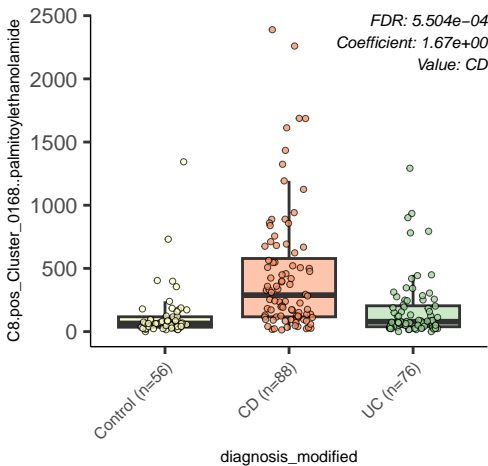
Control (n=56)

CD (n=88)

UC (n=76)

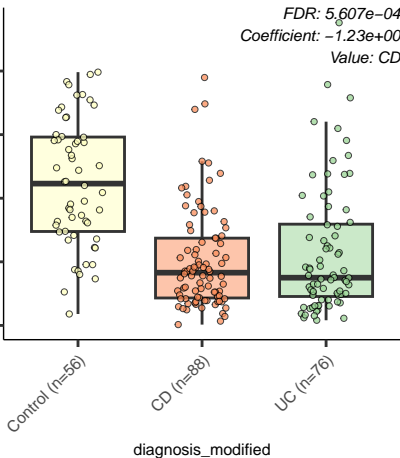
diagnosis_modified

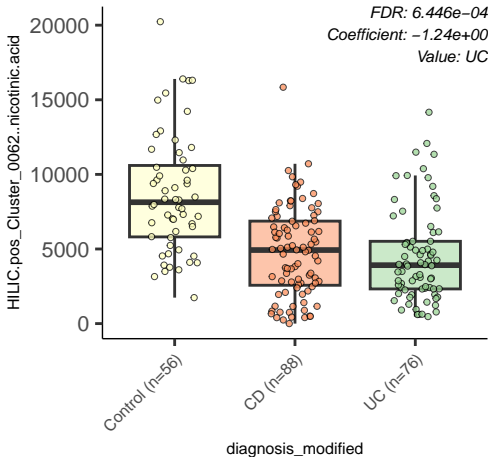




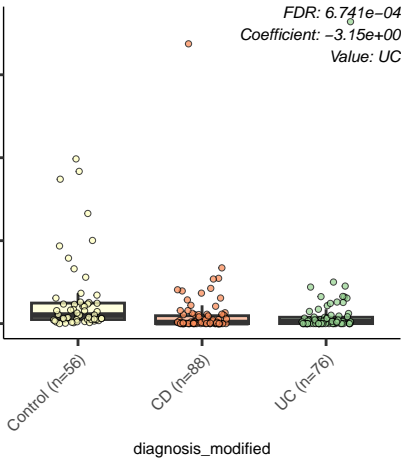
HILIC.neg_Cluster_0372..N.acetylglutamate

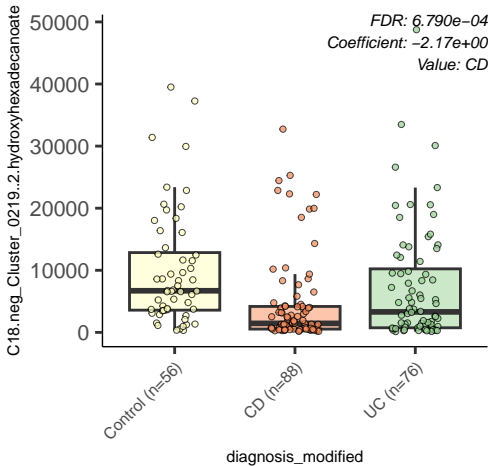
FDR: $5.607e-04$
Coefficient: $-1.23e+00$
Value: CD



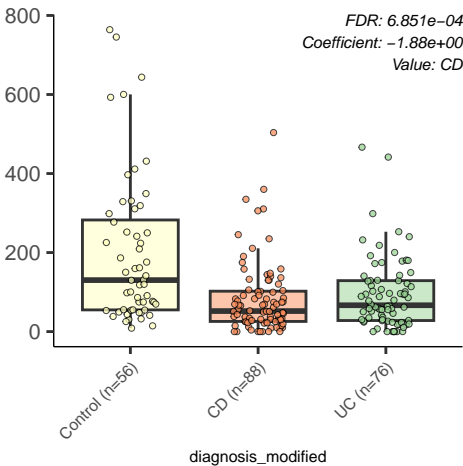


C18.neg_Cluster_0486..carnosol

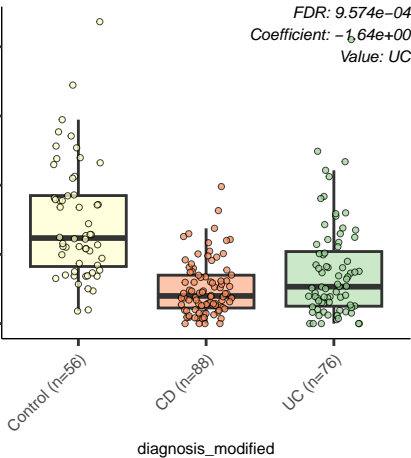




HILIC.neg_Cluster_0622..1.2.3.4.tetrahydro.1.methyl.beta.carboline



HILIC.pos_Cluster_0521..L.1.2.3.4.tetrahydro.beta.carboline.3.ca



HILIC_pos_Cluster_0081..pipecolic.acid

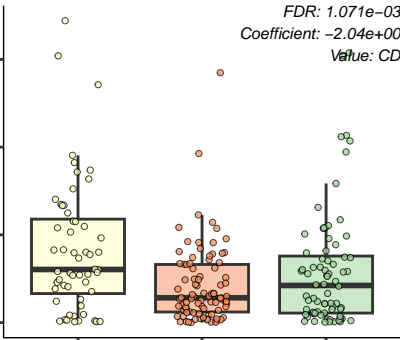
FDR: $1.071\text{e-}03$
Coefficient: $-2.04\text{e}+00$
Value: CD

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.neg_Cluster_0677..cystine

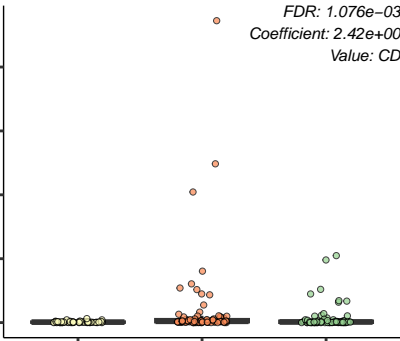
FDR: 1.076e-03
Coefficient: 2.42e+00
Value: CD

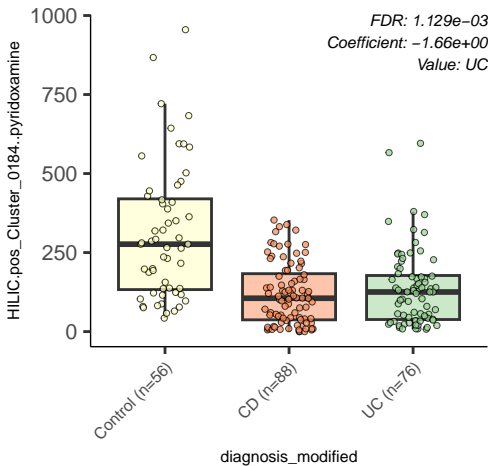
Control (n=56)

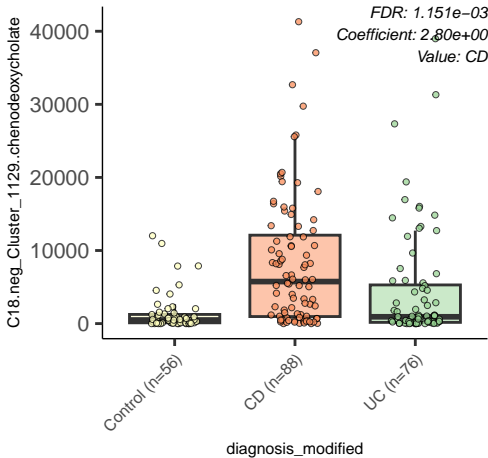
CD (n=88)

UC (n=76)

diagnosis_modified







C18.neg_Cluster_1273..cholate

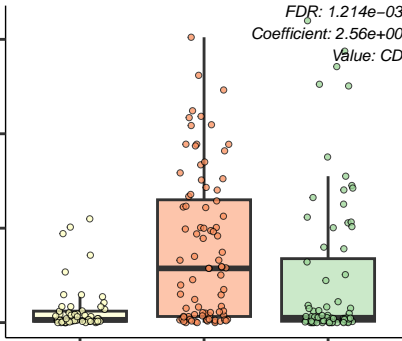
FDR: 1.214e-03
Coefficient: 2.56e+00
Value: CD

Control (n=56)

CD (n=88)

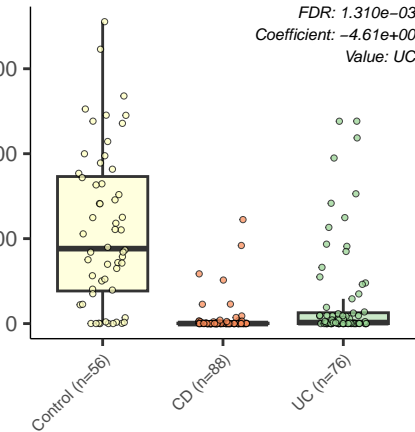
UC (n=76)

diagnosis_modified

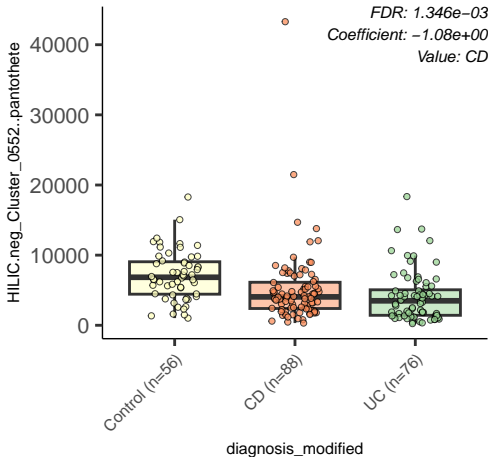


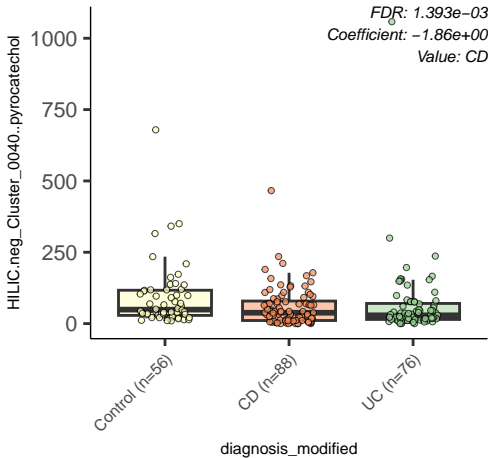
HILIC_pos_Cluster_2093..urobilin.

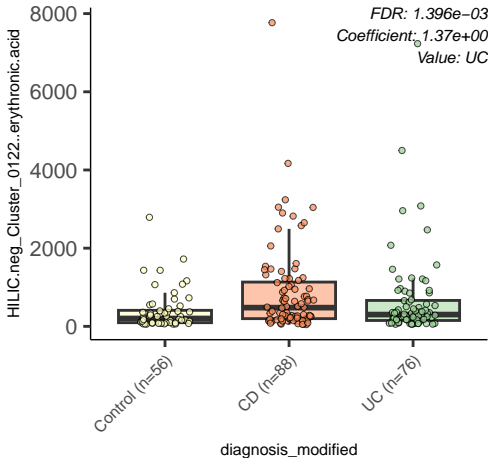
FDR: 1.310e-03
Coefficient: -4.61e+00
Value: UC

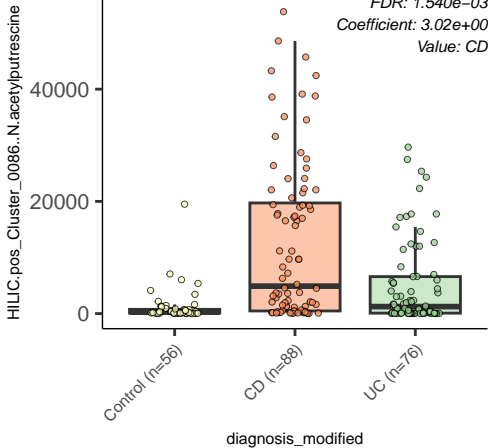


diagnosis_modified









C18.neg_Cluster_1258..cholate

FDR: $1.745e-03$
Coefficient: $2.35e+00$
Value: CD

$1e+05$

$5e+04$

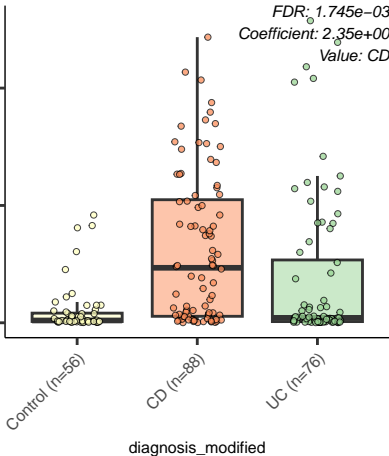
$0e+00$

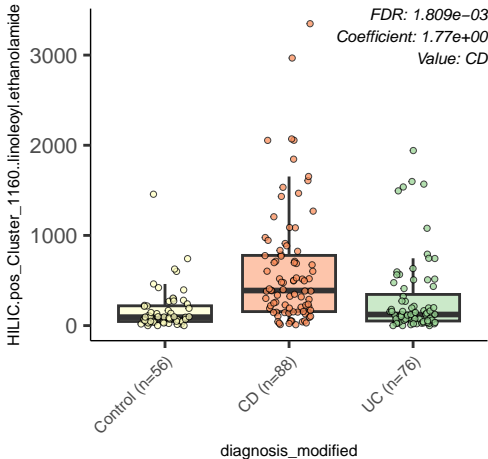
Control (n=56)

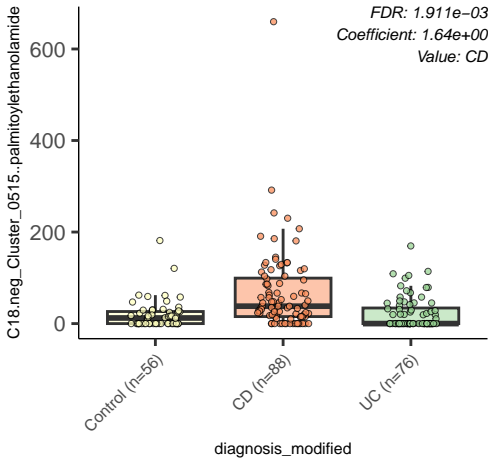
CD (n=88)

UC (n=76)

diagnosis_modified







C18.neg_Cluster_0930..cholate

FDR: $1.911e-03$
Coefficient: $2.29e+00$
Value: CD

75000

50000

25000

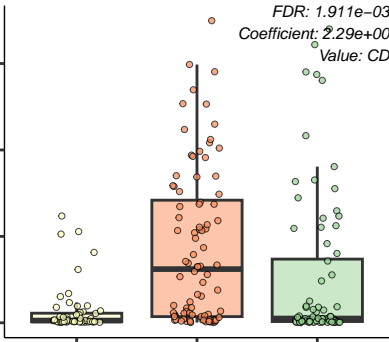
0

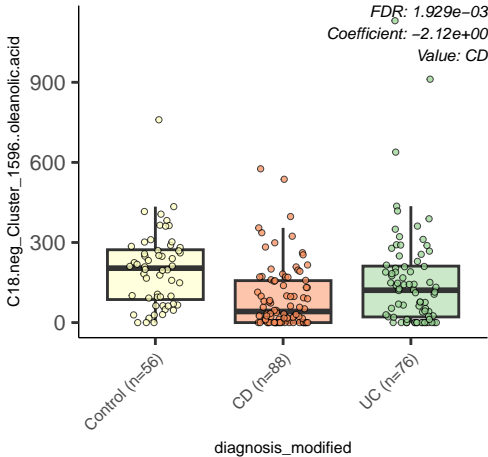
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





C18.neg_Cluster_1178..cholate

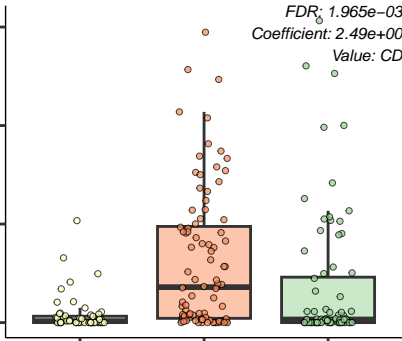
FDR: 1.965e-03
Coefficient: 2.49e+00
Value: CD

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



C18.neg_Cluster_1131..arachidonic.acid

FDR: 2.160e-03
Coefficient: 1.24e+00
Value: UC

3000

2000

1000

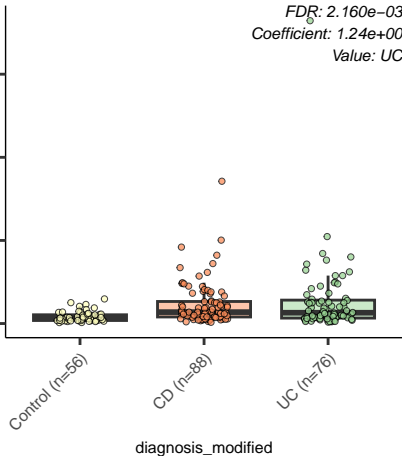
0

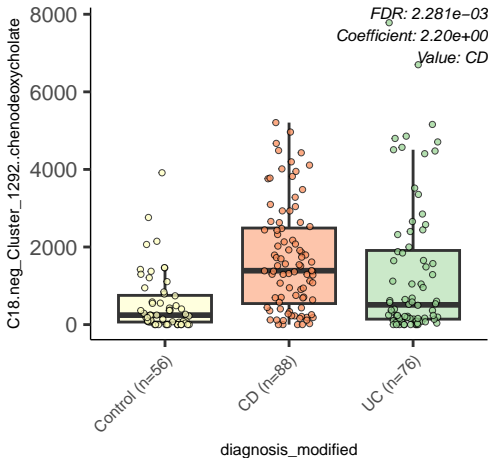
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





C18.neg_Cluster_1941..arachidonic.acid

FDR: 2.466e-03
Coefficient: 1.24e+00
Value: CD

400

200

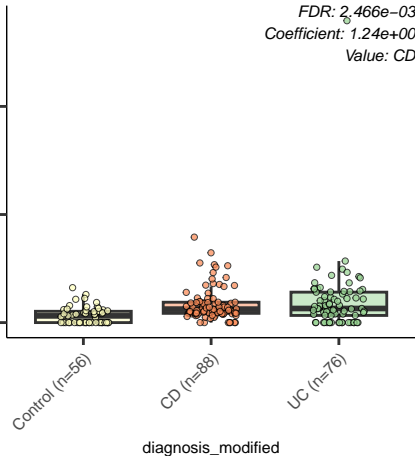
0

Control (n=56)

CD (n=88)

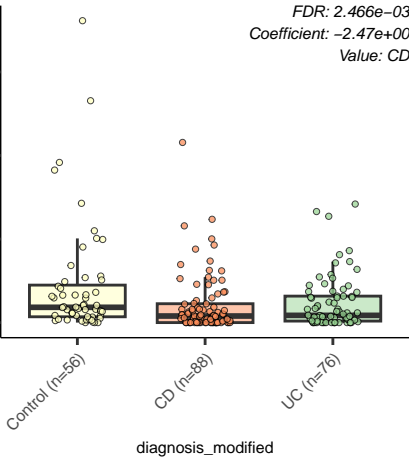
UC (n=76)

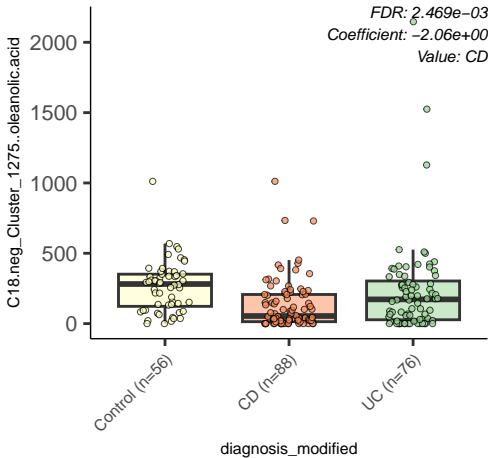
diagnosis_modified



HILIC.neg_Cluster_0182..guanine

FDR: $2.466e-03$
Coefficient: $-2.47e+00$
Value: CD





HILIC_neg_Cluster_0697..pentadecanoate

FDR: $2.724e-03$
Coefficient: $-1.70e+00$
Value: CD

60000

40000

20000

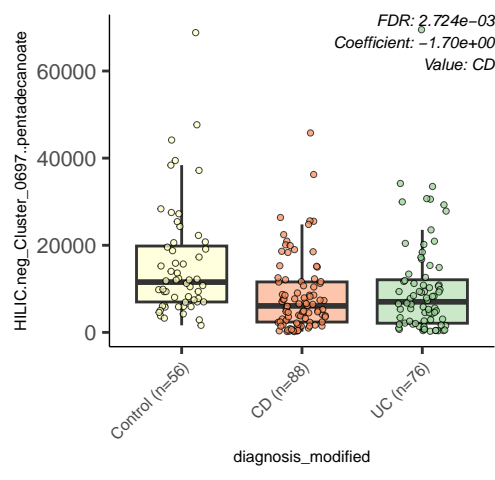
0

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



C18.neg.Cluster_0177...tetradecanedioate

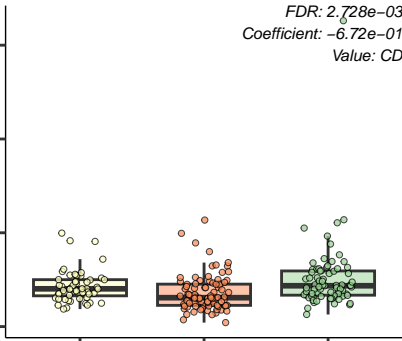
FDR: 2.728e-03
Coefficient: -6.72e-01
Value: CD

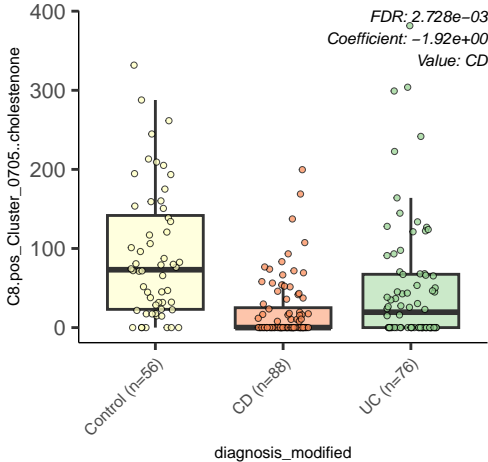
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC.neg_Cluster_0120..adenine

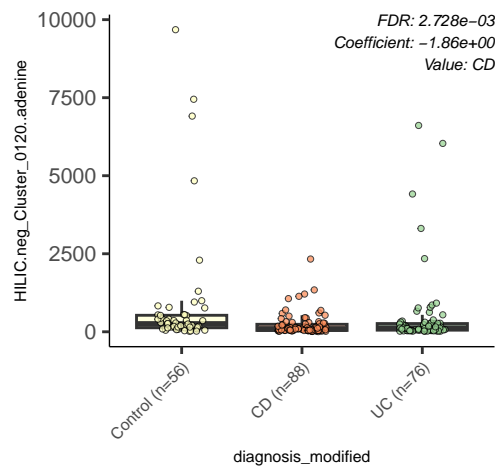
FDR: 2.728e-03
Coefficient: -1.86e+00
Value: CD

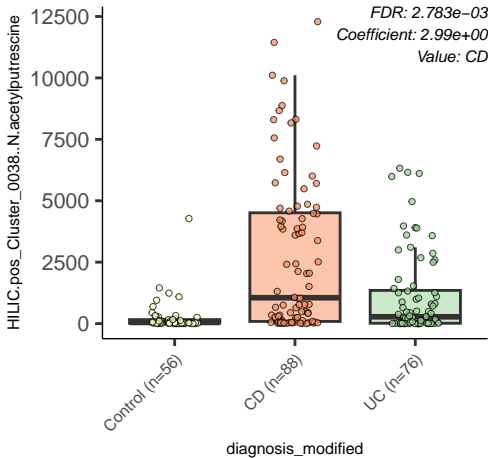
Control (n=56)

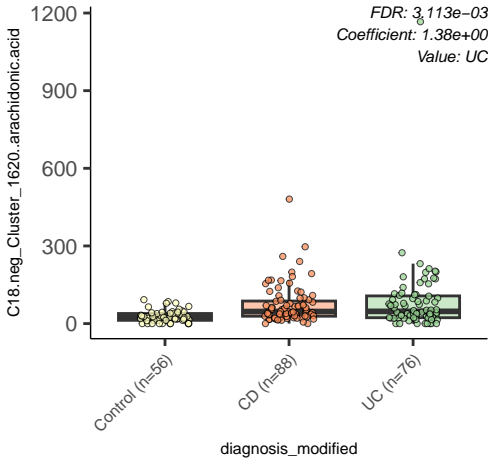
CD (n=88)

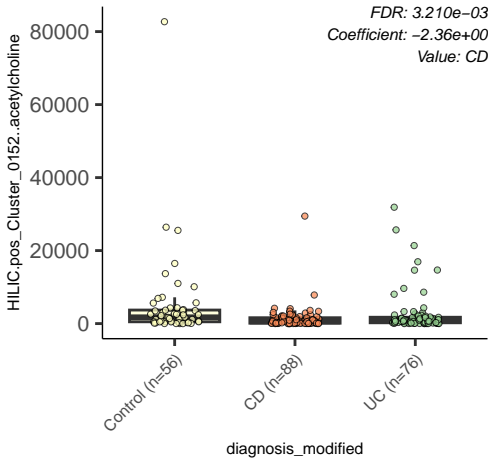
UC (n=76)

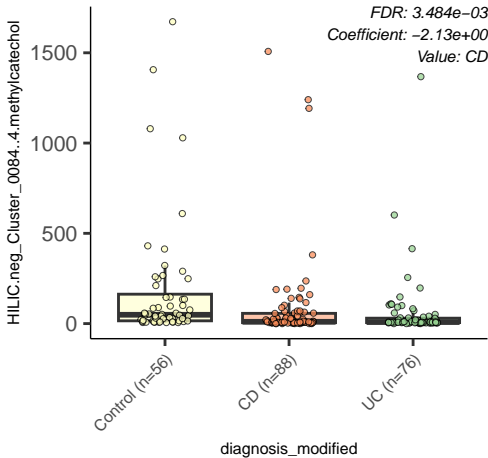
diagnosis_modified

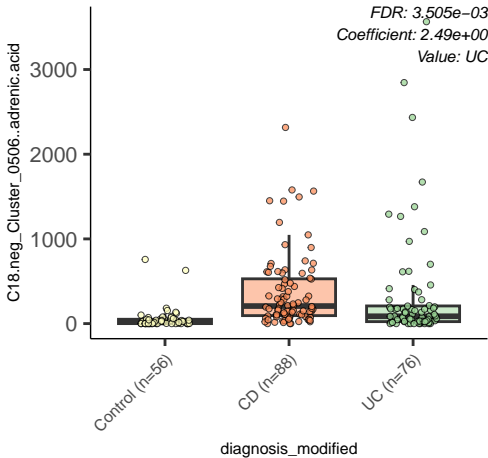












C18.neg_Cluster_0731..lithocholic.acid

FDR: $3.505e-03$
Coefficient: $-2.61e+00$
Value: CD

Control (n=56)

CD (n=88)

UC (n=76)

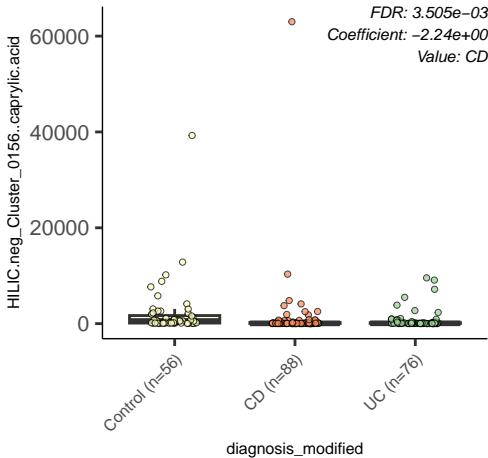
diagnosis_modified

15000

10000

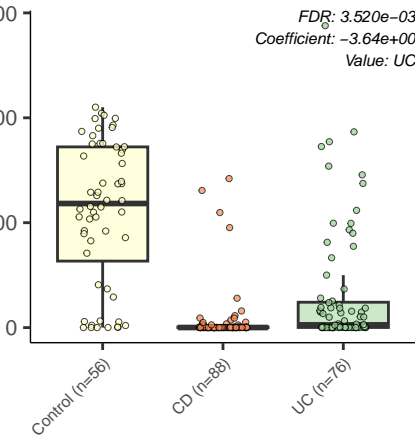
5000

0

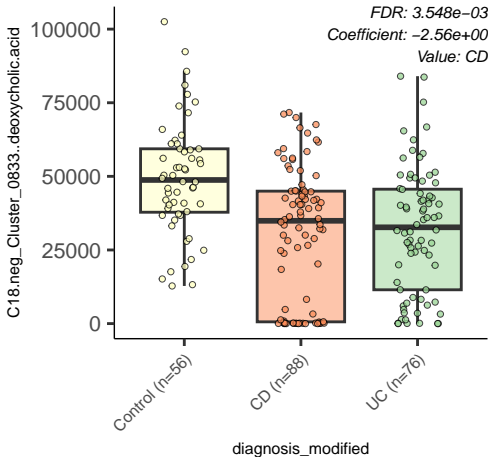


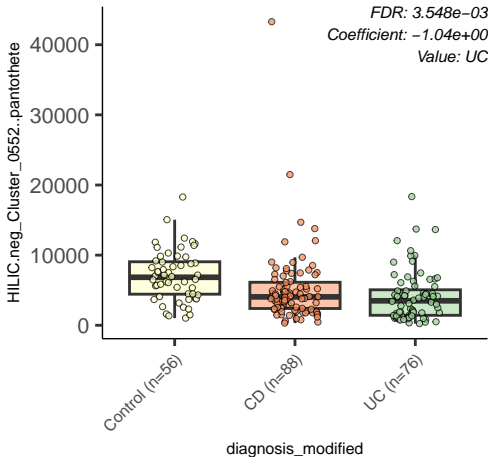
C18.neg_Cluster_2021...urobilin

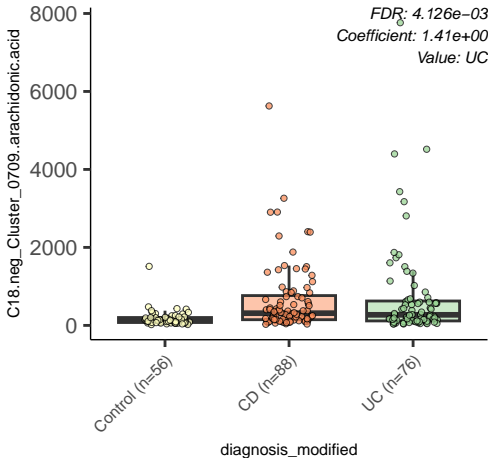
FDR: 3.520e-03
Coefficient: -3.64e+00
Value: UC



diagnosis_modified

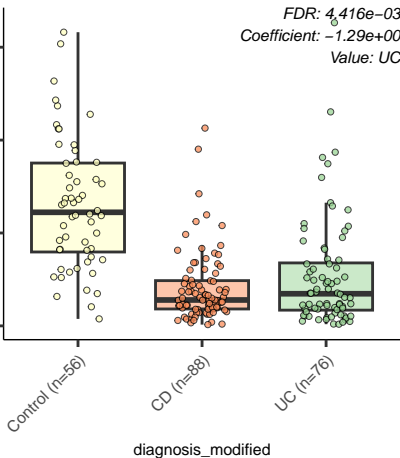


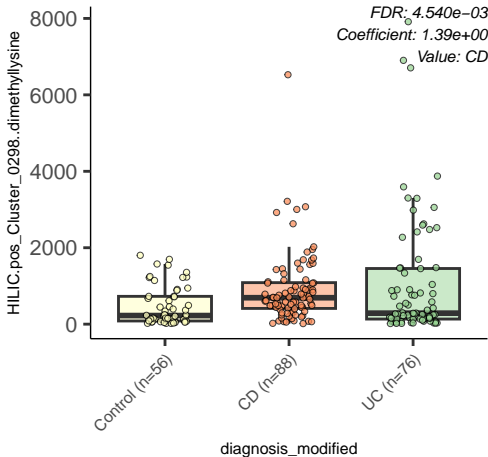


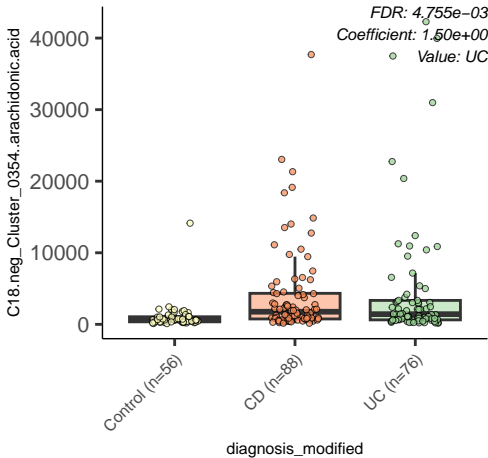


HILIC.pos_Cluster_0384..N.acetylglutamic.acid

FDR: $4.416e-03$
Coefficient: $-1.29e+00$
Value: UC

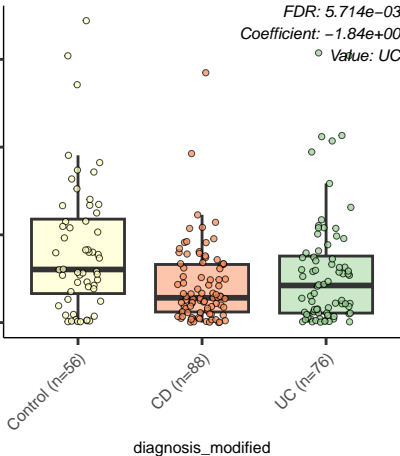


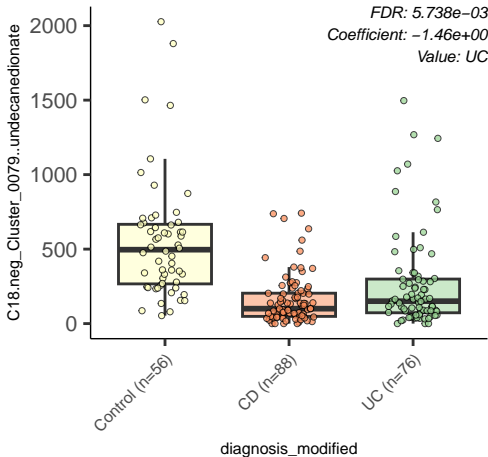


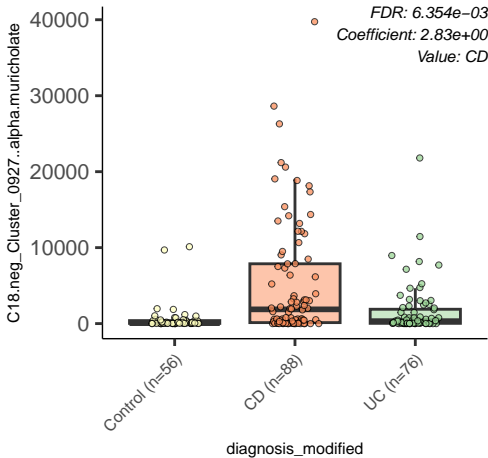


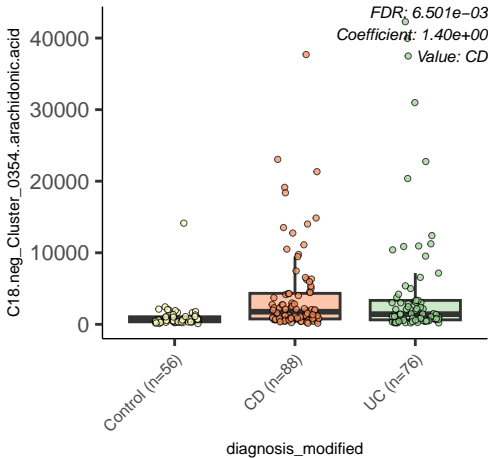
HILIC_pos_Cluster_0081..pipecolic.acid

FDR: $5.714e-03$
Coefficient: $-1.84e+00$
Value: UC









C18.neg_Cluster_1680...maslinic.acid

FDR: $7.846e-03$
Coefficient: $-2.10e+00$
Value: CD

4000

2000

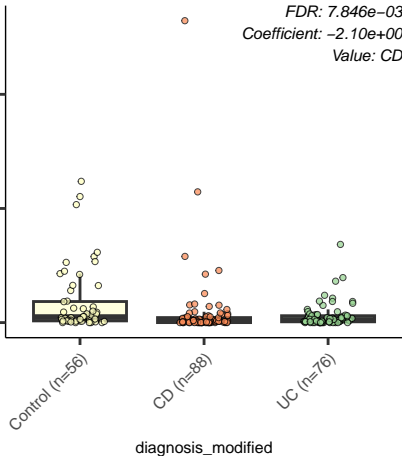
0

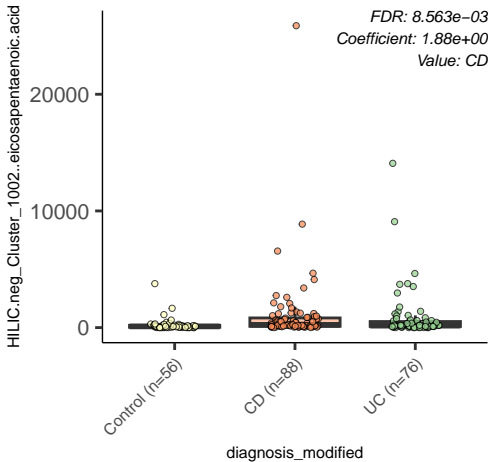
Control (n=56)

CD (n=88)

UC (n=76)

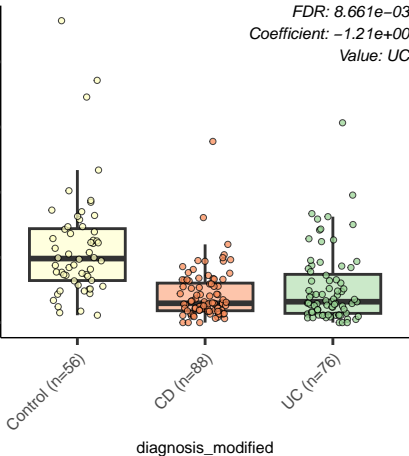
diagnosis_modified

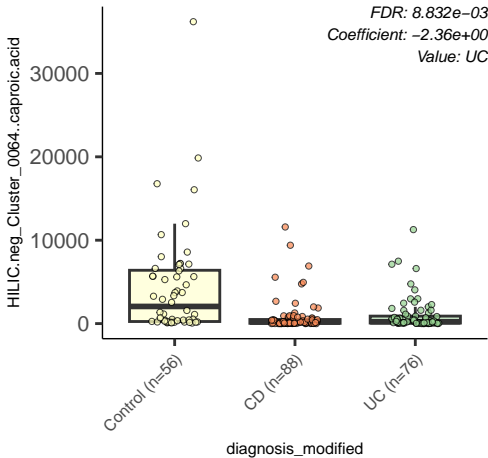


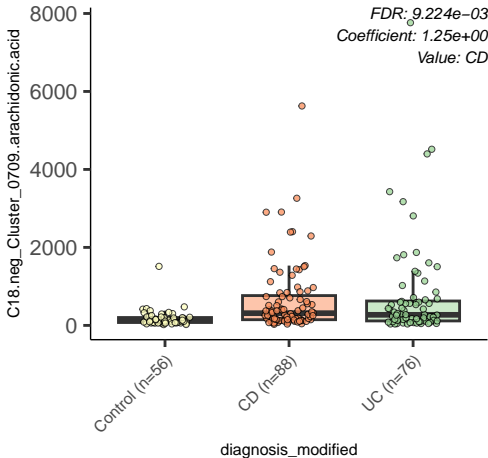


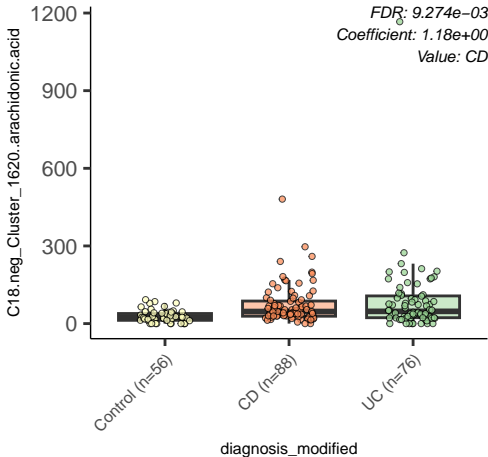
HILIC.pos_Cluster_0495..N.acetylglutamic.acid

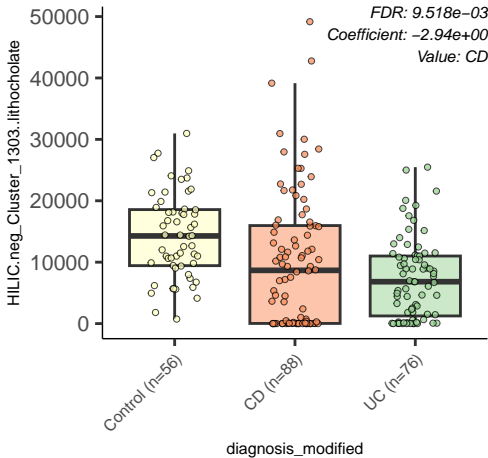
FDR: $8.661e-03$
Coefficient: $-1.21e+00$
Value: UC











HILIC.pos_Cluster_1486..C16.carnitine

FDR: 9.666e-03
Coefficient: 2.28e+00
Value: UC

4000

2000

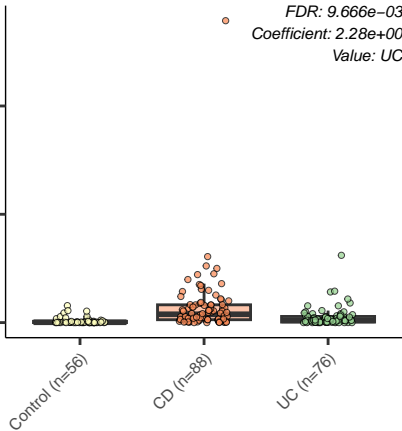
0

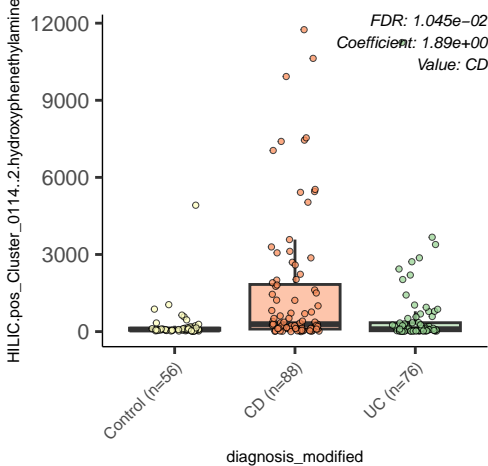
Control (n=56)

CD (n=88)

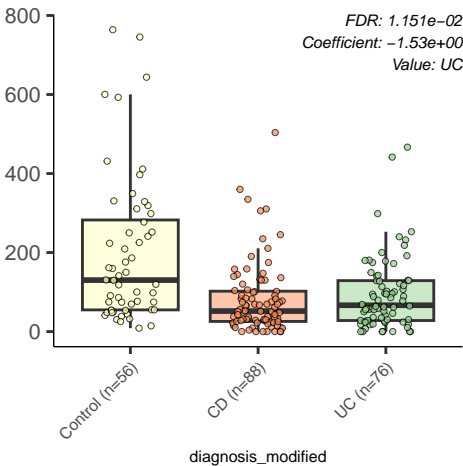
UC (n=76)

diagnosis_modified





HILIC.neg_Cluster_0622..1.2.3.4.tetrahydro.1.methyl.beta.carboline



HILIC.pos_Cluster_0447..ADMA

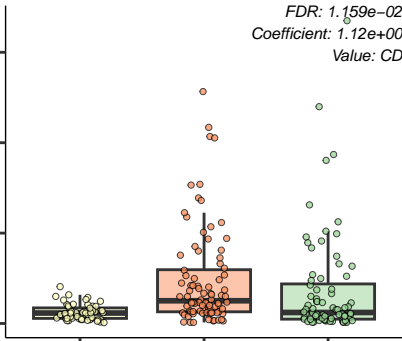
FDR: 1.159e-02
Coefficient: 1.12e+00
Value: CD

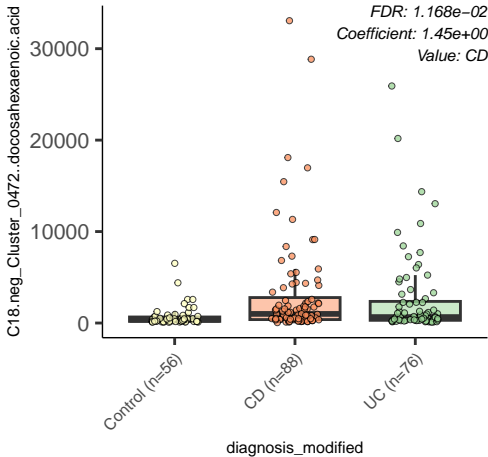
Control (n=56)

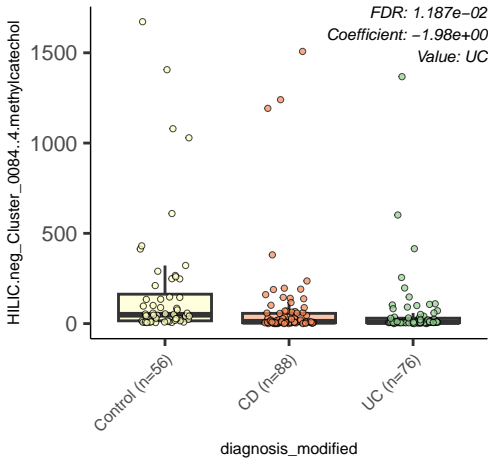
CD (n=88)

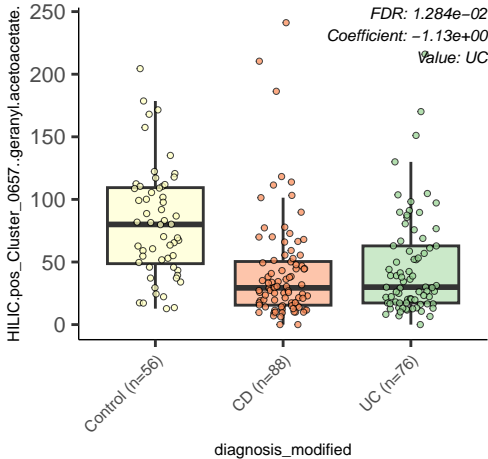
UC (n=76)

diagnosis_modified









C18.neg_Cluster_1131..arachidonic.acid

FDR: $1.407e-02$
Coefficient: $9.87e-01$
Value: CD

3000

2000

1000

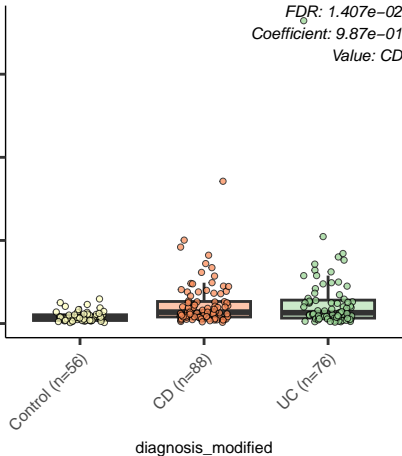
0

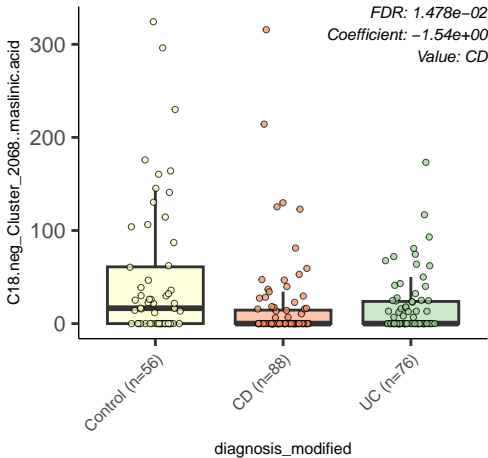
Control (n=56)

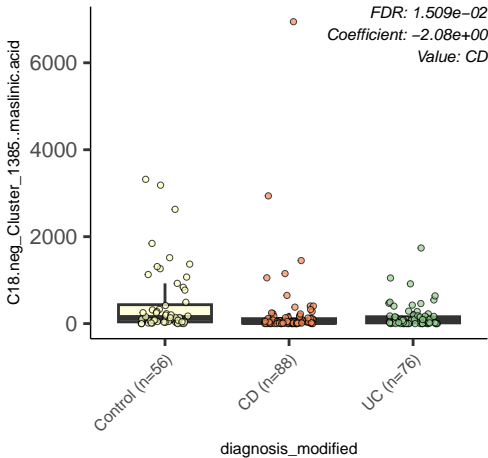
CD (n=88)

UC (n=76)

diagnosis_modified







HILIC.neg_Cluster_0335..4.pyridoxate

FDR: $1.588e-02$
Coefficient: $-1.26e+00$
Value: CD

20000

10000

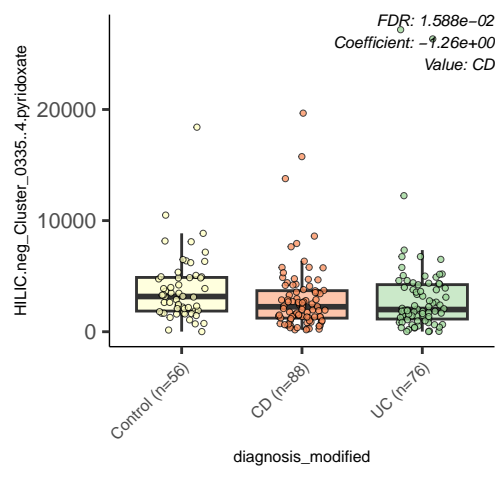
0

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.neg_Cluster_0441...sebacate

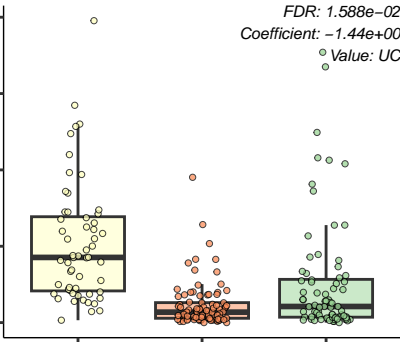
FDR: 1.588e-02
Coefficient: -1.44e+00
Value: UC

Control (n=56)

CD (n=88)

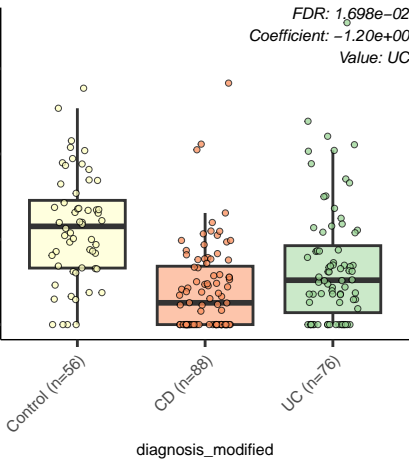
UC (n=76)

diagnosis_modified

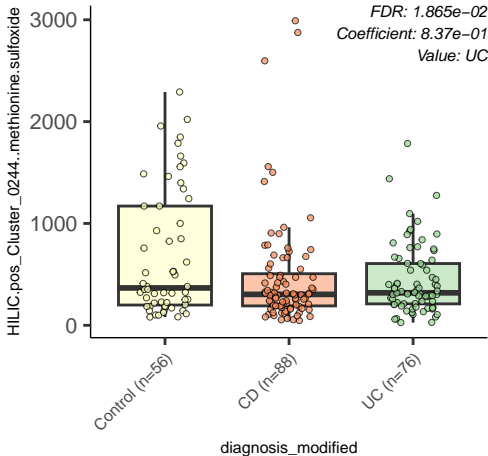


C18.neg_Cluster_0901..7.ketodeoxycholate

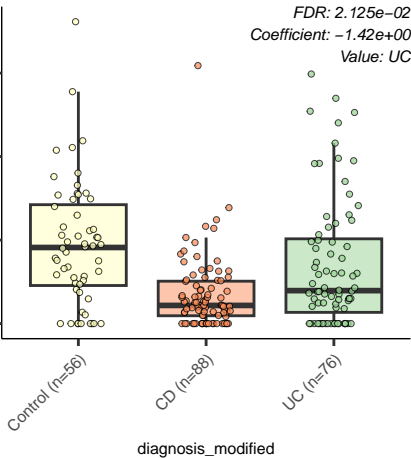
FDR: $1.698e-02$
Coefficient: $-1.20e+00$
Value: UC

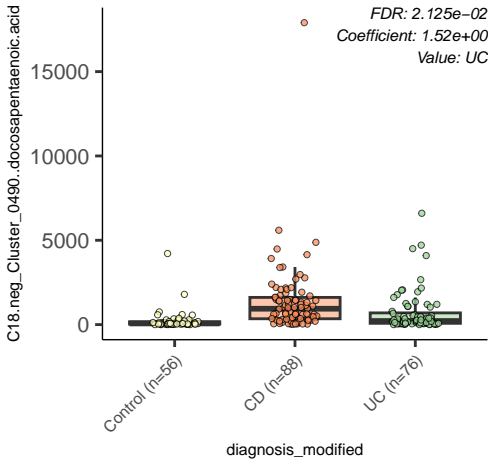


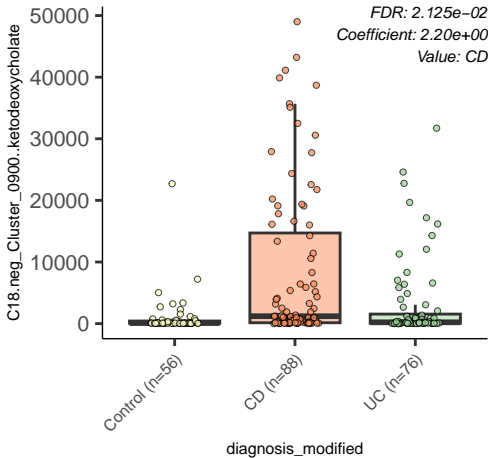
diagnosis_modified

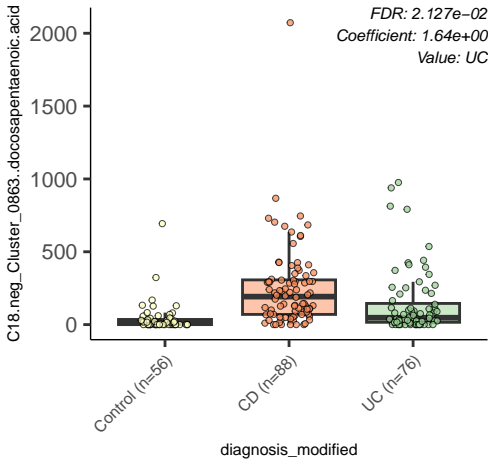


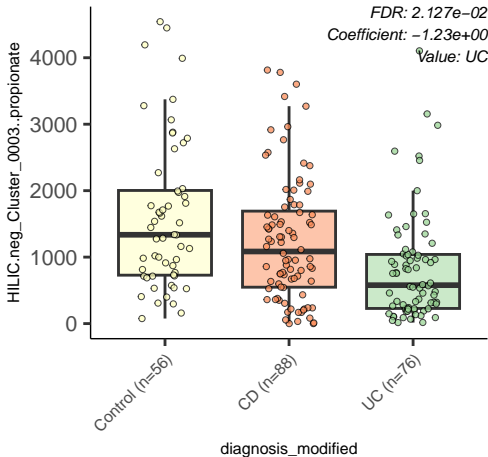
C18.neg_Cluster_0183...1.2.3.4.tetrahydro.b.carboline.1.3.dicar

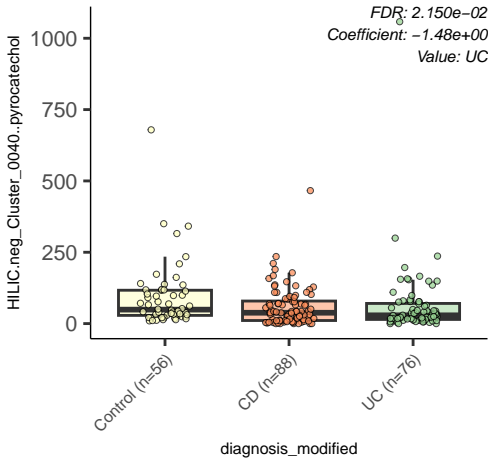






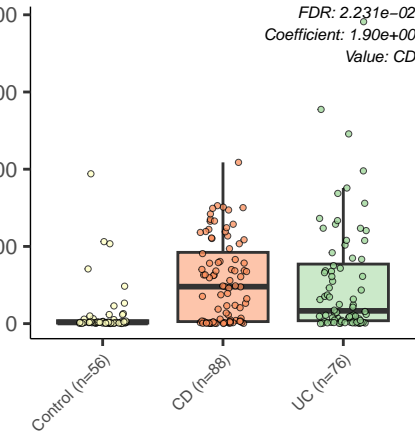






HILIC.neg_Cluster_0085..taurine

FDR: $2.231e-02$
Coefficient: $1.90e+00$
Value: CD



diagnosis_modified

HILIC_pos_Cluster_0295..arginine

FDR: $2.652e-02$
Coefficient: $-1.37e+00$
Value: CD

20000

10000

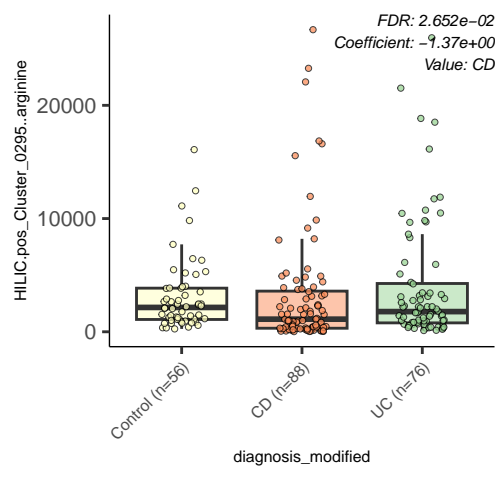
0

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.pos_Cluster_0033..histamine

FDR: 2.714e-02
Coefficient: 1.88e+00
Value: CD

30000

20000

10000

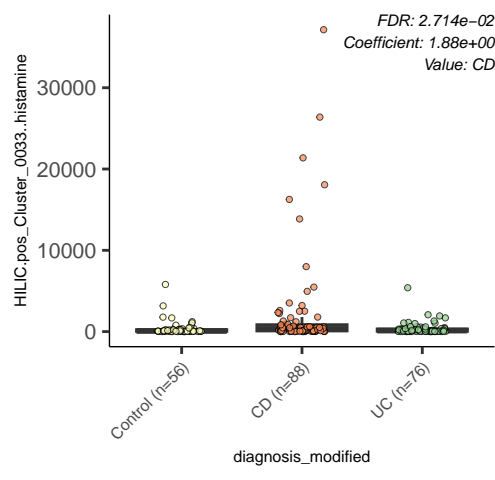
0

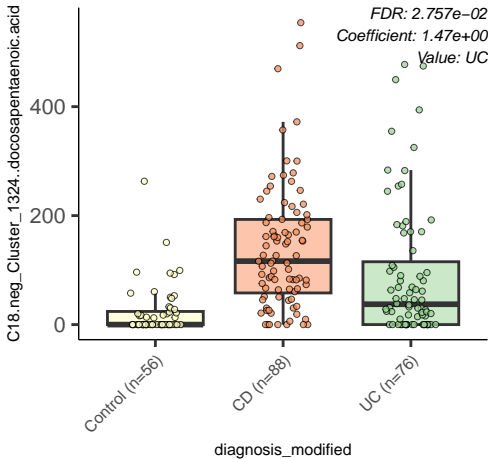
Control (n=56)

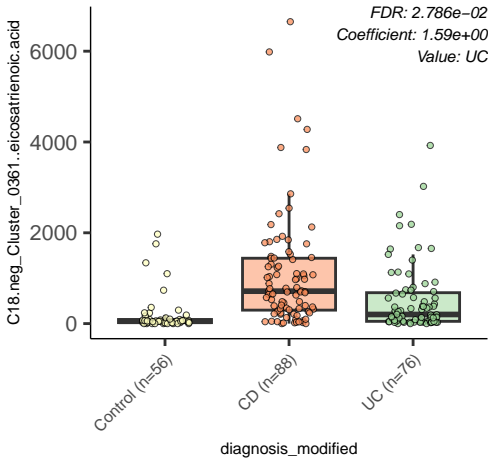
CD (n=88)

UC (n=76)

diagnosis_modified







HILIC_neg_Cluster_0697..pentadecanoate

FDR: $2.813e-02$
Coefficient: $-1.38e+00$
Value: UC

60000

40000

20000

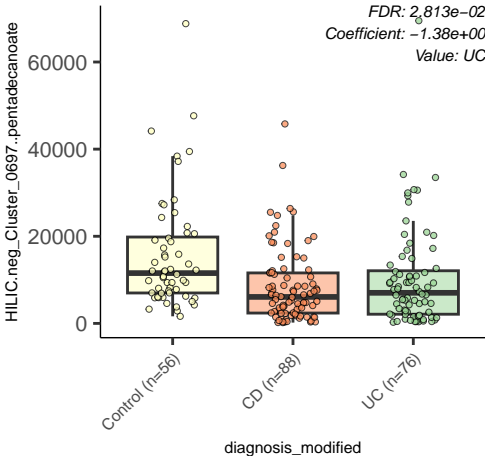
0

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.neg.Cluster_0335..4.pyridoxate

FDR: $2.837e-02$
Coefficient: $-1.22e+00$
Value: UC

20000

10000

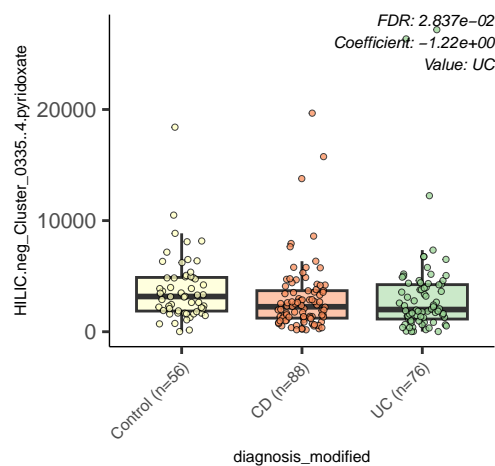
0

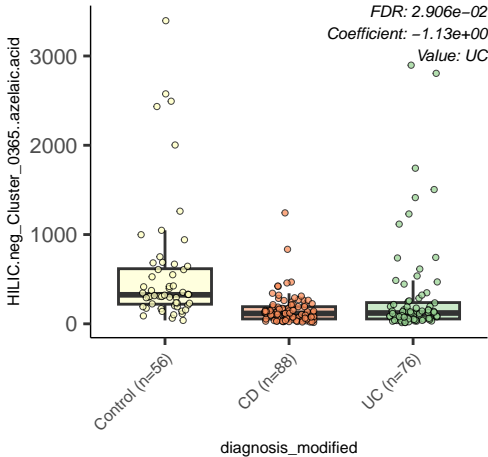
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





C8.pos_Cluster_0988...sphingosine

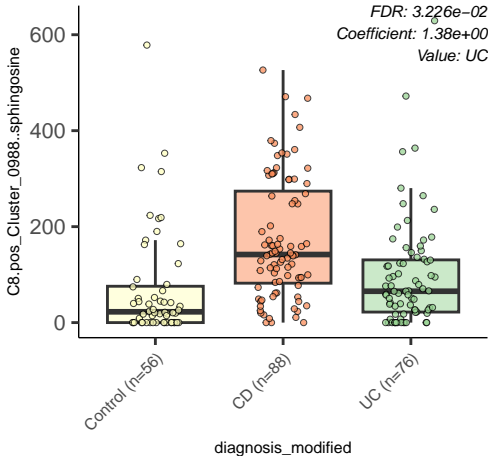
FDR: 3.226e-02
Coefficient: 1.38e+00
Value: UC

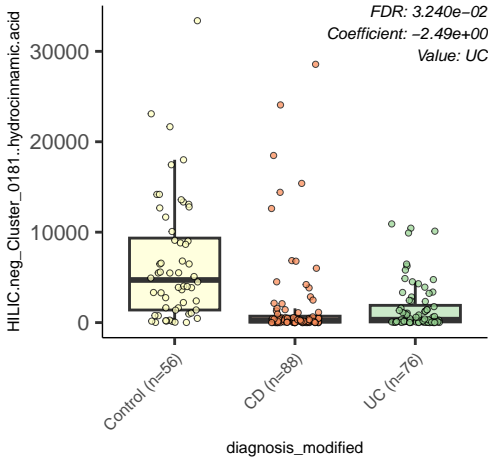
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC_pos_Cluster_0177_4.hydroxy.3.methylacetophen

FDR: $3.370e-02$
Coefficient: $-1.22e+00$
Value: UC

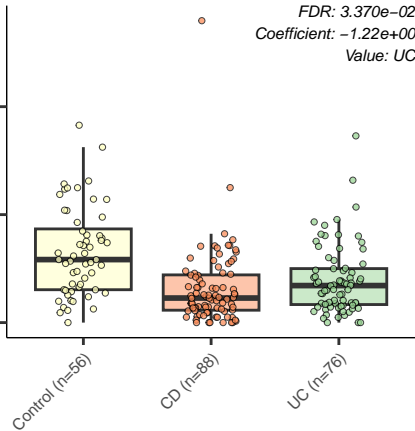
400
200
0

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.pos_Cluster_0658..geranyl.acetoacetate.

FDR: $3.370e-02$
Coefficient: $-9.62e-01$
Value: UC

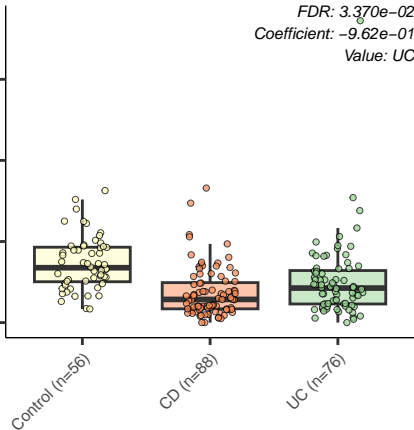
300
200
100
0

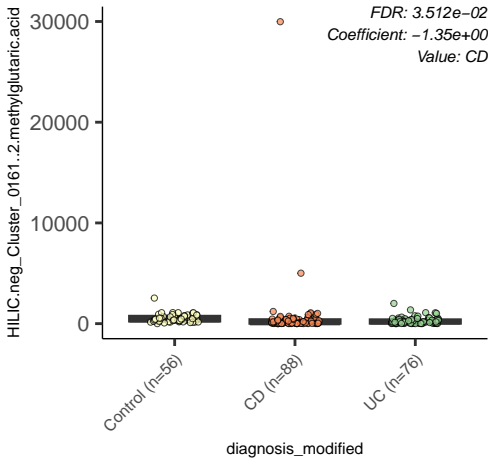
Control (n=56)

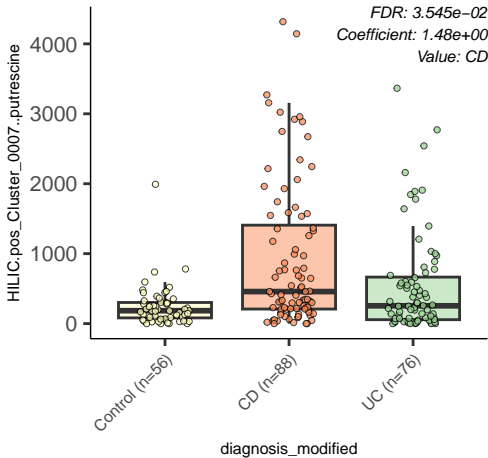
CD (n=88)

UC (n=76)

diagnosis_modified

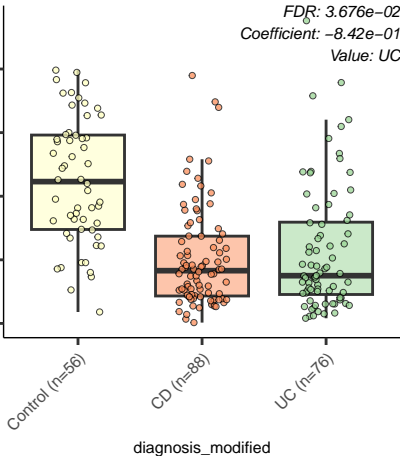


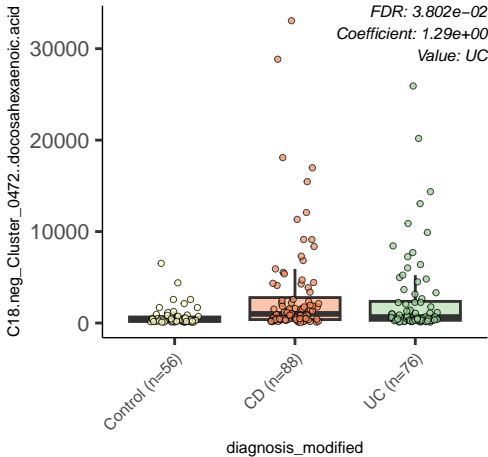


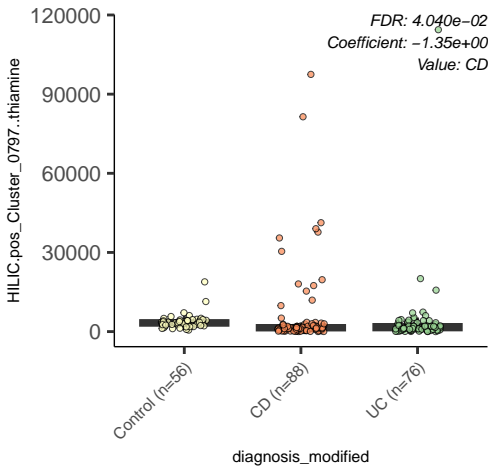


HILIC.neg_Cluster_0372..N.acetylglutamate

FDR: $3.676e-02$
Coefficient: $-8.42e-01$
Value: UC







HILIC.neg_Cluster_0288..suberate

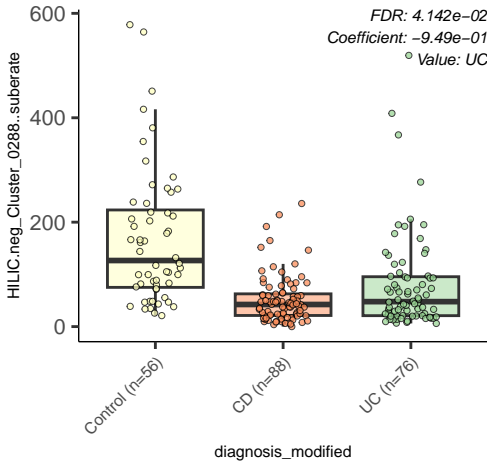
FDR: 4.142×10^{-2}
Coefficient: -9.49×10^{-1}
Value: UC

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC_pos_Cluster_0160..glutamate

FDR: 4.162×10^{-2}
Coefficient: -7.31×10^{-1}
Value: CD

10000

5000

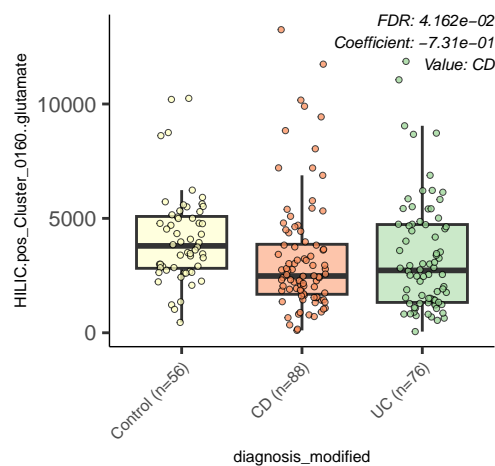
0

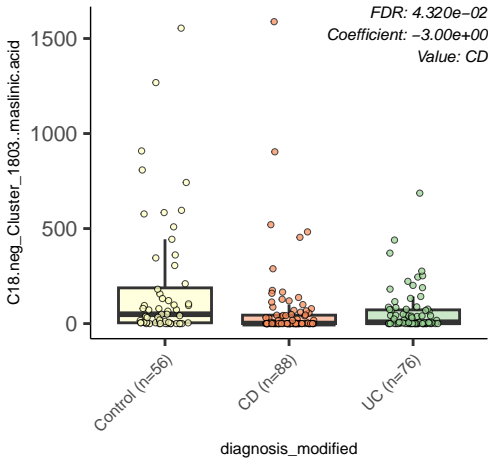
Control (n=56)

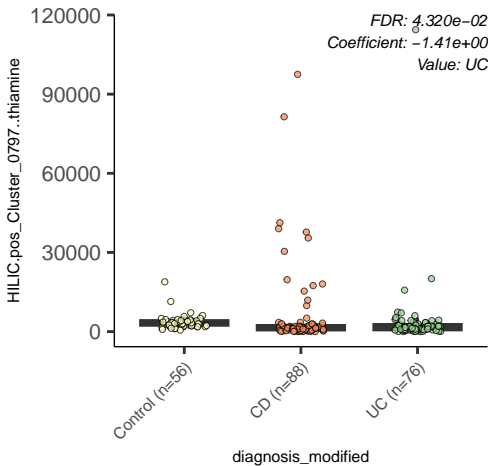
CD (n=88)

UC (n=76)

diagnosis_modified

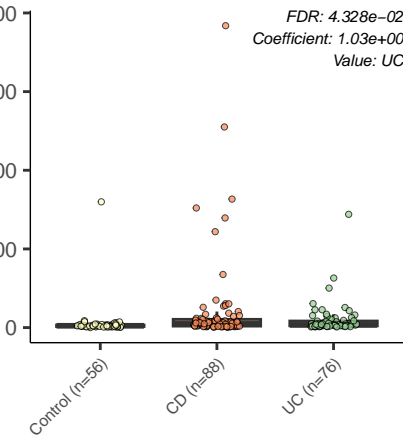






HILIC.pos_Cluster_0230..carnitine

FDR: 4.328e-02
Coefficient: 1.03e+00
Value: UC



diagnosis_modified

C8_pos_Cluster_0629..cholestenone

FDR: $4.436e-02$
Coefficient: $-1.39e+00$
Value: UC

200

100

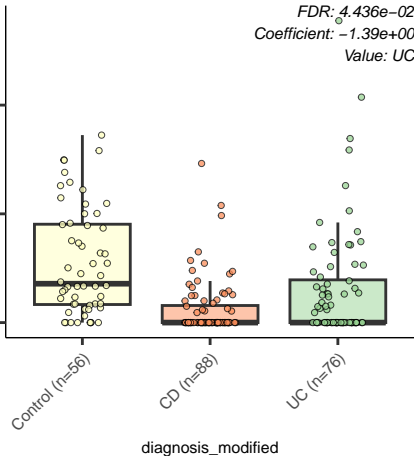
0

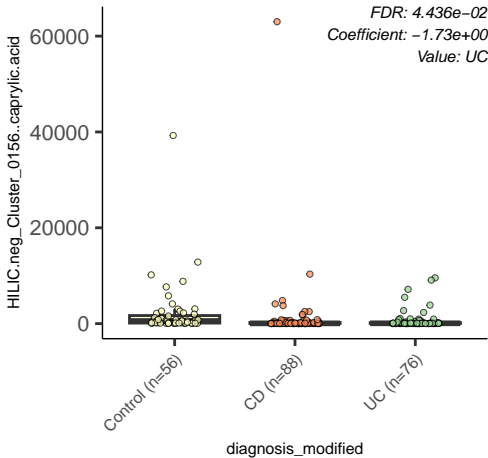
Control (n=56)

CD (n=88)

UC (n=76)

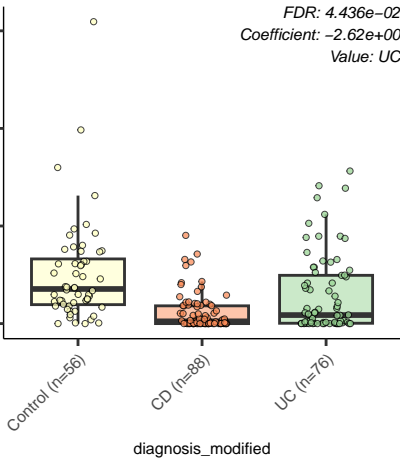
diagnosis_modified





HILIC.neg_Cluster_0220..3.methyladipate.pimelate

FDR: $4.436e-02$
Coefficient: $-2.62e+00$
Value: UC



HILIC.neg_Cluster_0036..glycerate

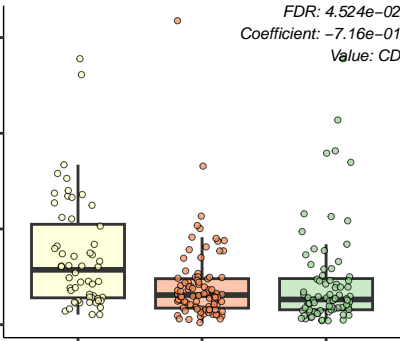
FDR: 4.524e-02
Coefficient: -7.16e-01
Value: CD

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC_pos_Cluster_0022...choline

FDR: 4.604e-02
Coefficient: 7.93e-01
Value: UC

75000

50000

25000

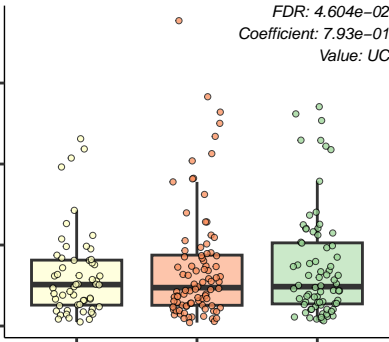
0

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.neg_Cluster_0182..guanine

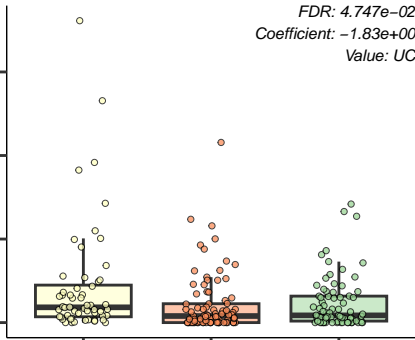
FDR: $4.747e-02$
Coefficient: $-1.83e+00$
Value: UC

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



C18.neg_Cluster_0064..sebacate

FDR: $5.550e-02$
Coefficient: $-1.19e+00$
Value: UC

7500

5000

2500

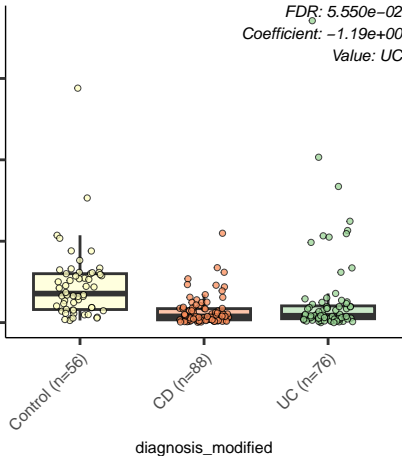
0

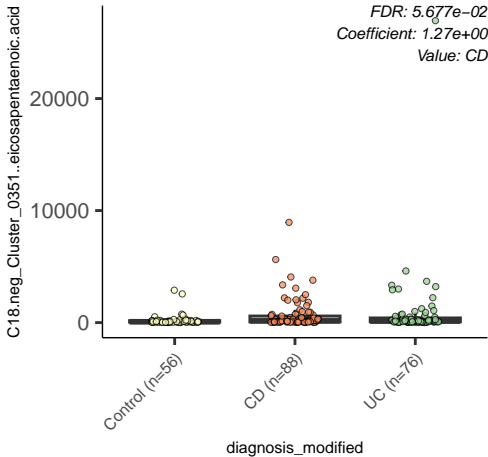
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





C8_pos_Cluster_0277..stearoyl.ethanolamide

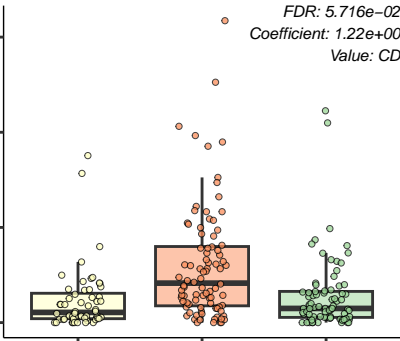
FDR: 5.716e-02
Coefficient: 1.22e+00
Value: CD

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.neg_Cluster_0452...tryptophan

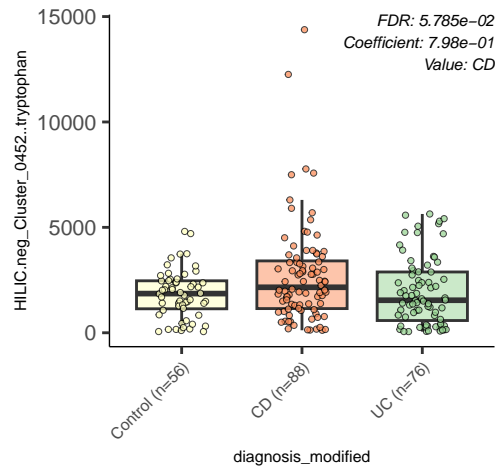
FDR: 5.785e-02
Coefficient: 7.98e-01
Value: CD

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.neg_Cluster_1170..lactose

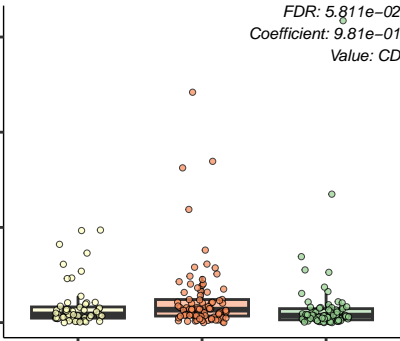
FDR: $5.811e-02$
Coefficient: $9.81e-01$
Value: CD

Control (n=56)

CD (n=88)

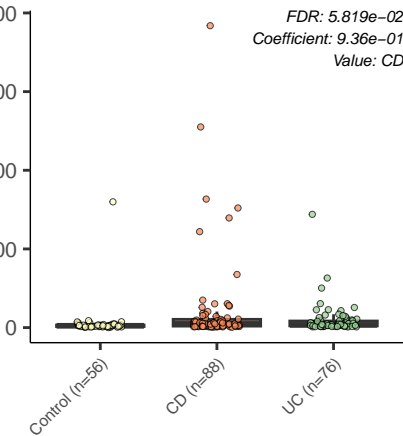
UC (n=76)

diagnosis_modified



HILIC.pos_Cluster_0230..carnitine

FDR: 5.819e-02
Coefficient: 9.36e-01
Value: CD



diagnosis_modified

C18.neg_Cluster_0045..azelate

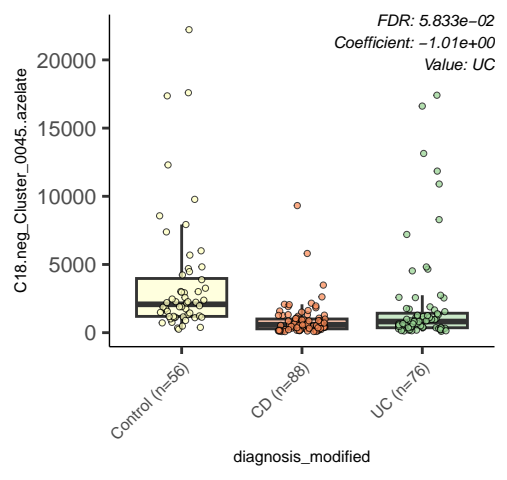
FDR: $5.833\text{e-}02$
Coefficient: $-1.01\text{e}+00$
Value: UC

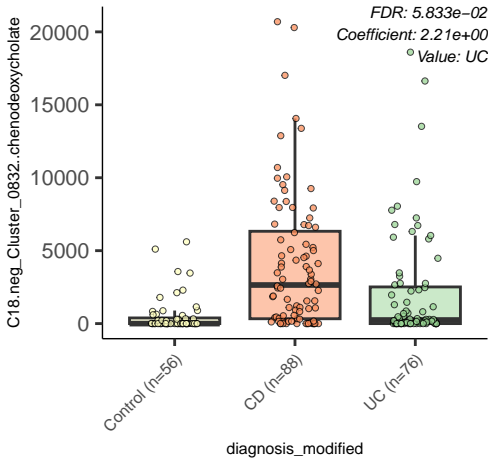
Control (n=56)

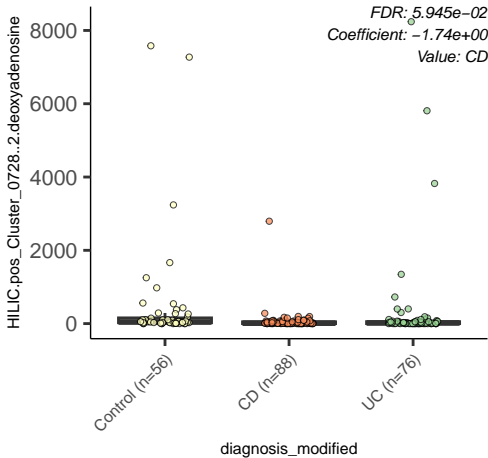
CD (n=88)

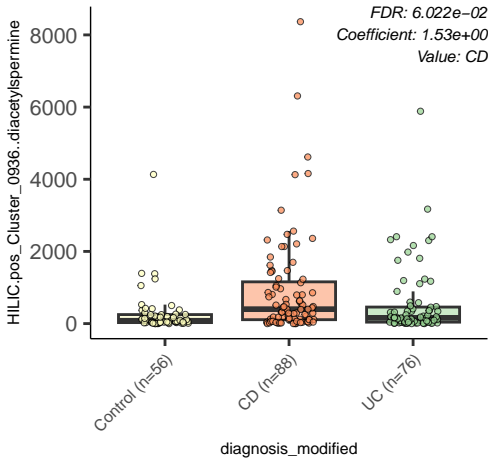
UC (n=76)

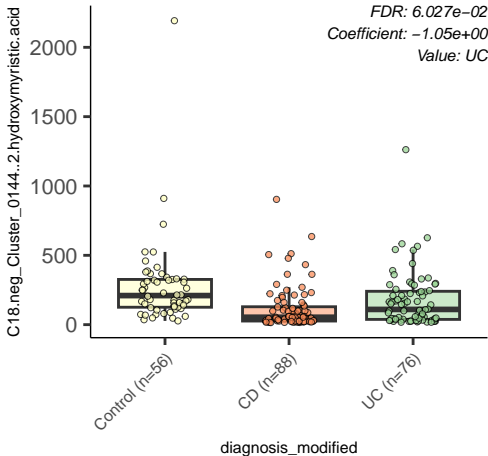
diagnosis_modified











HILIC.pos_Cluster_0254...3.methylxanthine

FDR: 6.033e-02
Coefficient: 1.79e+00
● Value: CD

1000

500

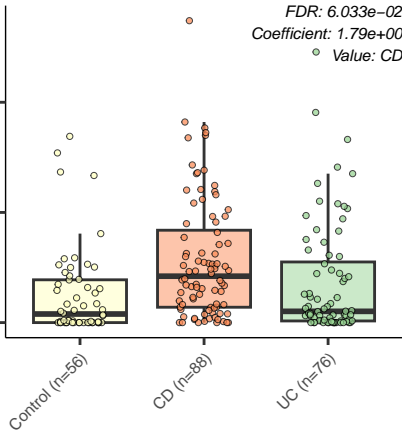
0

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.neg_Cluster_0066..valine

FDR: 6.756e-02
Coefficient: 8.90e-01
Value: CD

60000

40000

20000

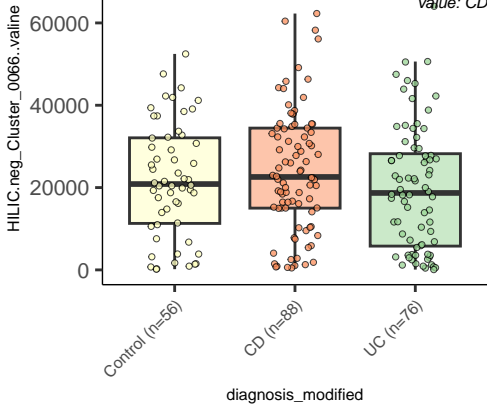
0

Control (n=56)

CD (n=88)

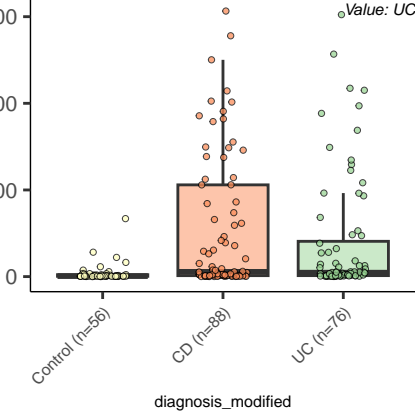
UC (n=76)

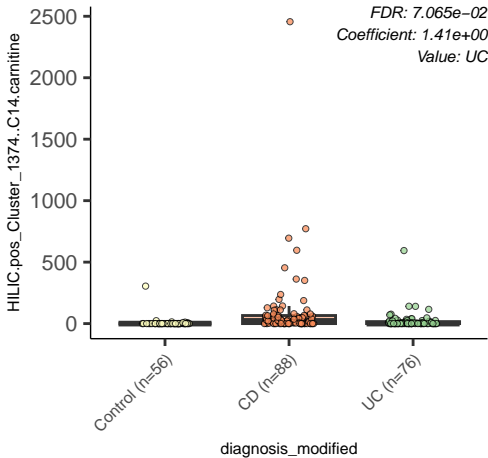
diagnosis_modified



HILIC_pos_Cluster_0090..creatine

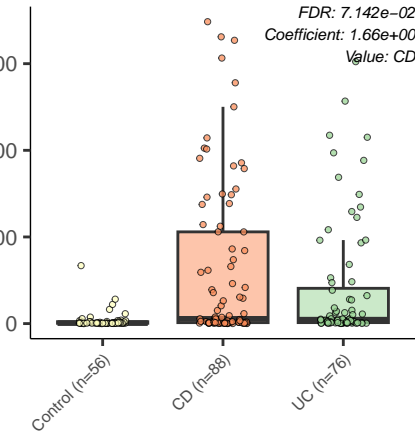
FDR: 7.042e-02
Coefficient: 1.74e+00
Value: UC



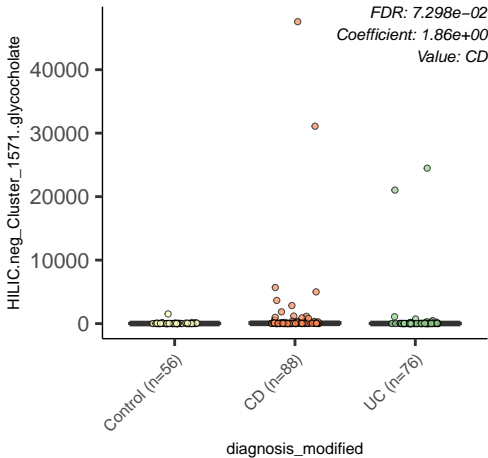


HILIC_pos_Cluster_0090..creatine

FDR: 7.142e-02
Coefficient: 1.66e+00
Value: CD

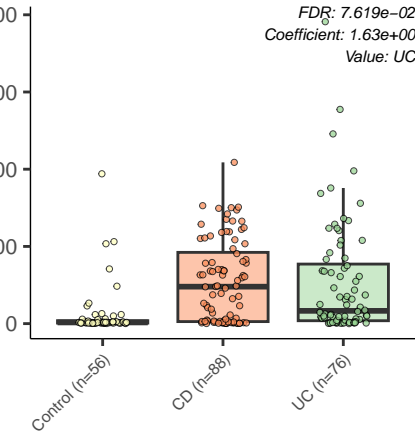


diagnosis_modified

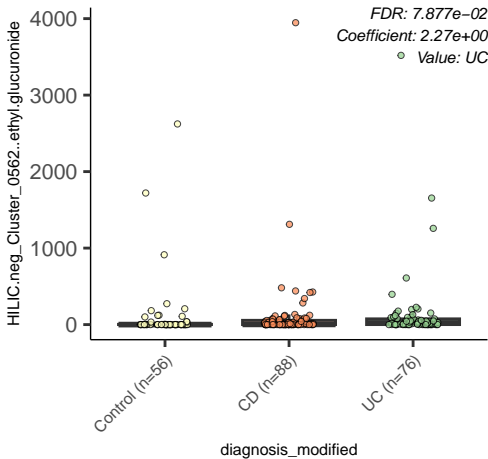


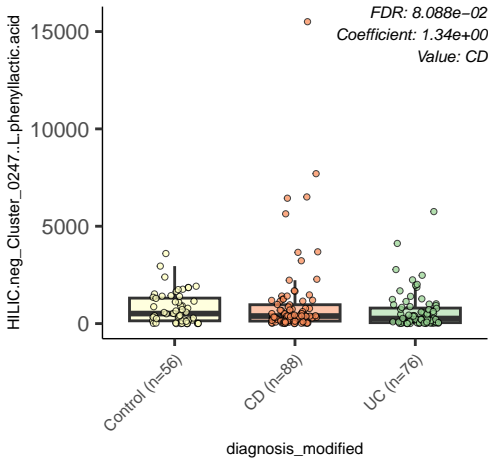
HILIC.neg_Cluster_0085..taurine

FDR: 7.619e-02
Coefficient: 1.63e+00
Value: UC



diagnosis_modified





HILIC.pos_Cluster_0066..taurine

FDR: $8.491e-02$
Coefficient: $1.61e+00$
Value: CD

30000

20000

10000

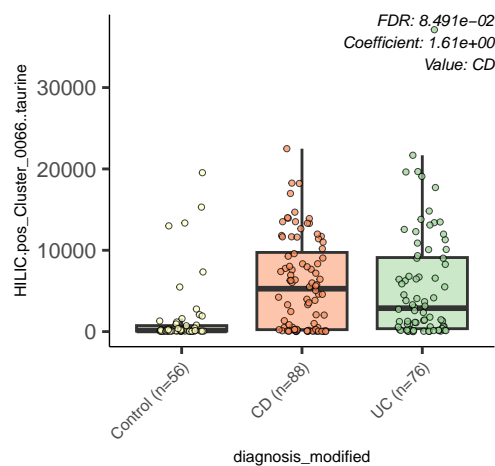
0

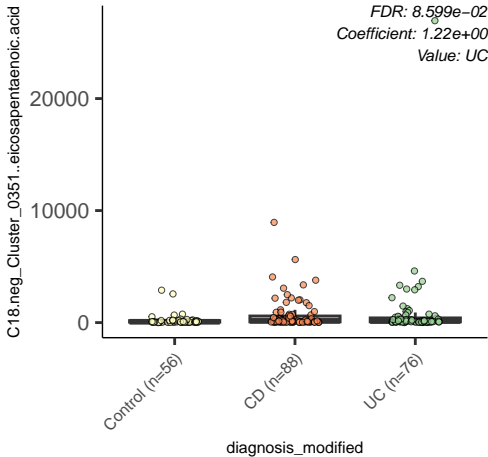
Control (n=56)

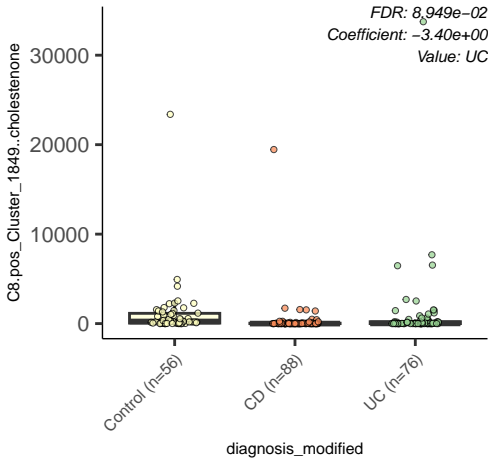
CD (n=88)

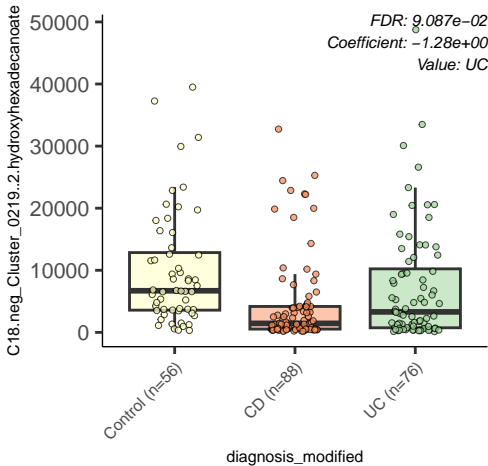
UC (n=76)

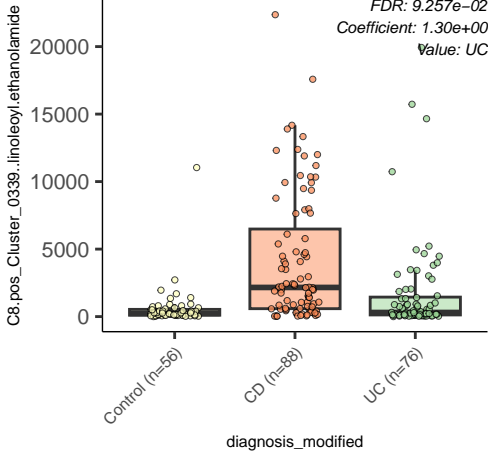
diagnosis_modified











HILIC.neg_Cluster_0020...lactate

FDR: 9.259×10^{-2}
Coefficient: 1.22×10^0
Value: UC

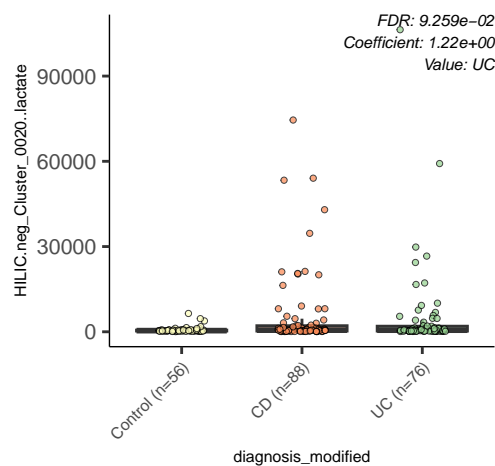
90000
60000
30000
0

Control (n=56)

CD (n=88)

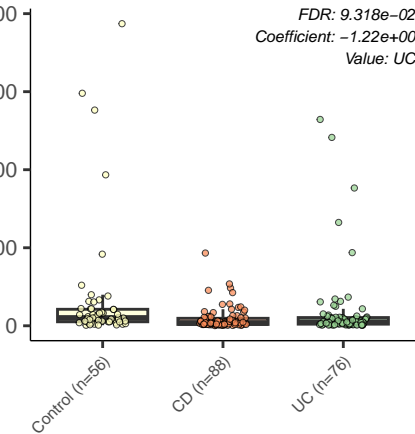
UC (n=76)

diagnosis_modified



HILIC.neg_Cluster_0120..adenine

FDR: $9.318e-02$
Coefficient: $-1.22e+00$
Value: UC



diagnosis_modified

HILIC.neg_Cluster_0677..cystine

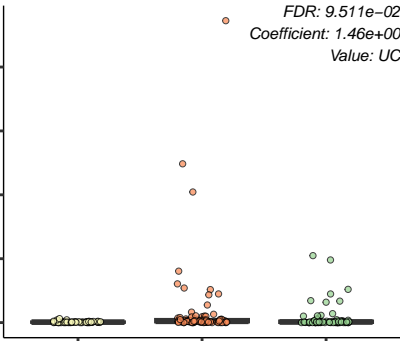
FDR: 9.511e-02
Coefficient: 1.46e+00
Value: UC

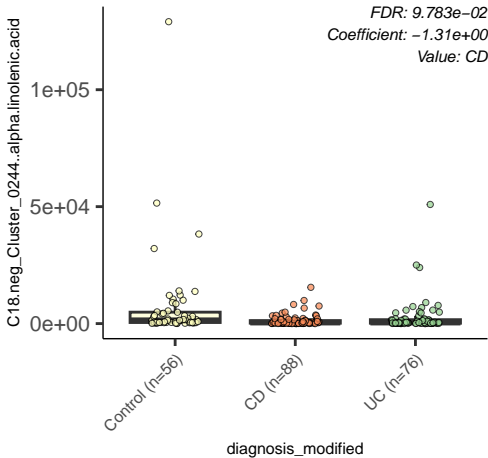
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC.neg_Cluster_0299..ascorbate

FDR: $9.783e-02$
Coefficient: $-1.35e+00$
Value: CD

20000

10000

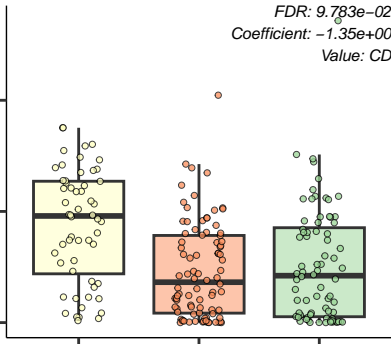
0

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.neg_Cluster_0162..glutamine

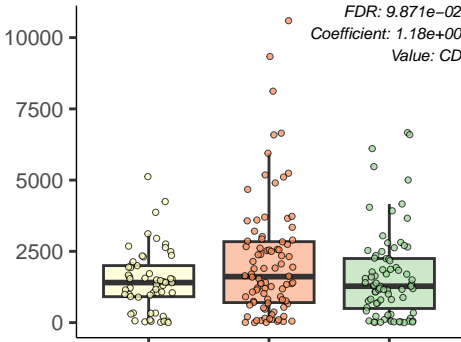
FDR: $9.871e-02$
Coefficient: $1.18e+00$
Value: CD

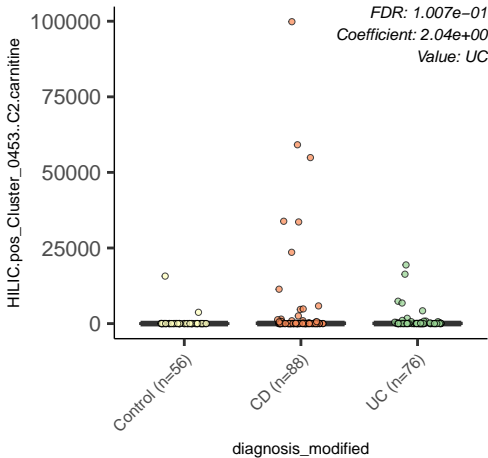
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC.neg_Cluster_0059..proline

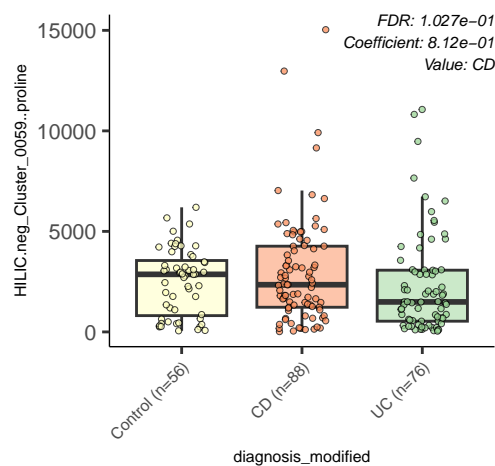
FDR: 1.027e-01
Coefficient: 8.12e-01
Value: CD

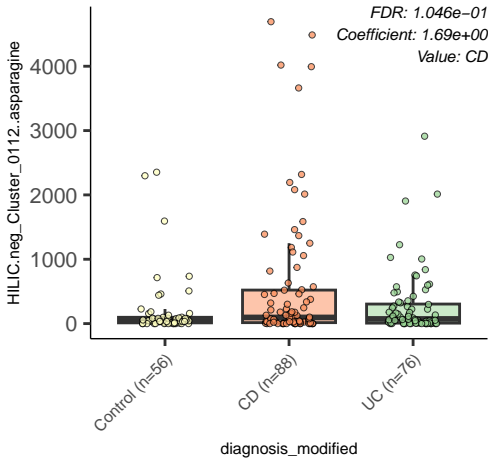
Control (n=56)

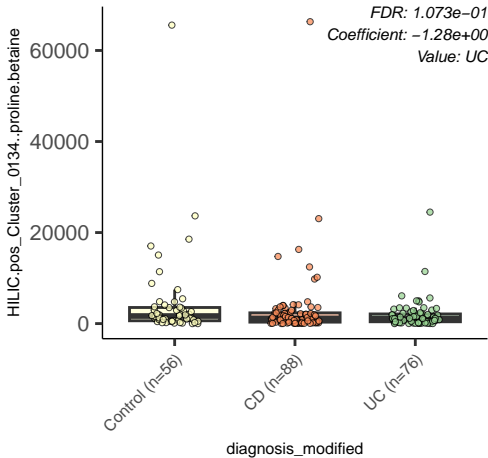
CD (n=88)

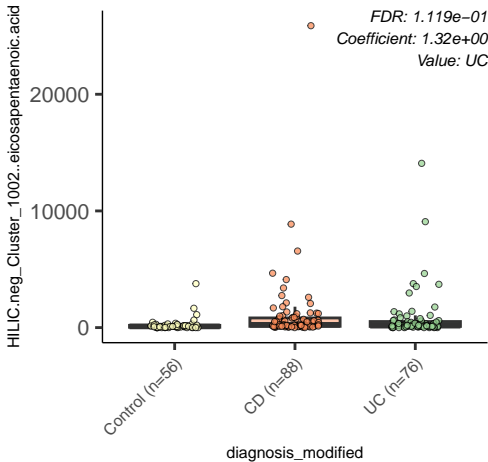
UC (n=76)

diagnosis_modified









HILIC.pos_Cluster_0079..pyroglutamic.acid

FDR: 1.119e-01
Coefficient: 7.69e-01
Value: UC

10000

5000

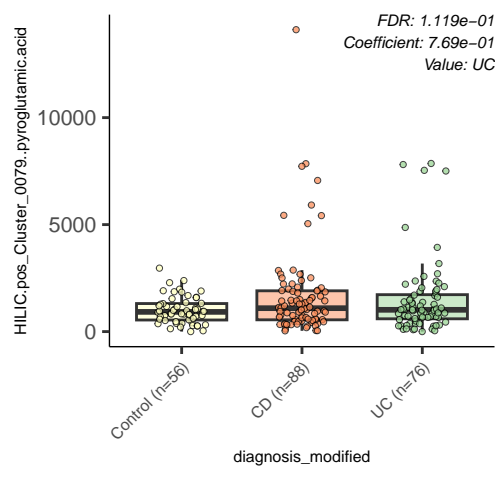
0

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC_pos_Cluster_1580..C18.2.carnitine

FDR: 1.119e-01
Coefficient: 1.57e+00
Value: UC

2000

1000

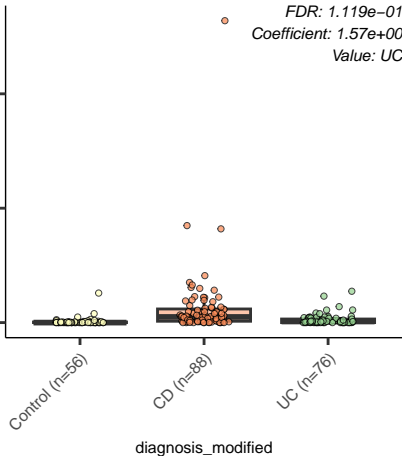
0

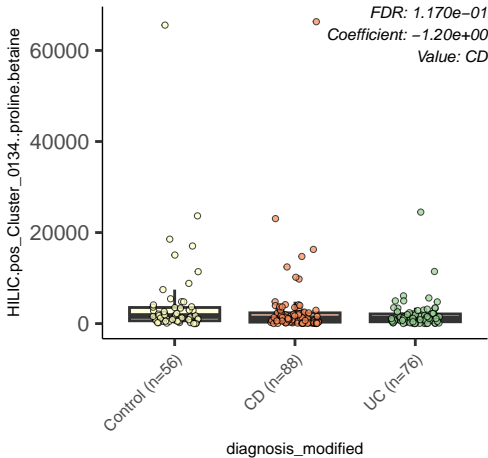
Control (n=56)

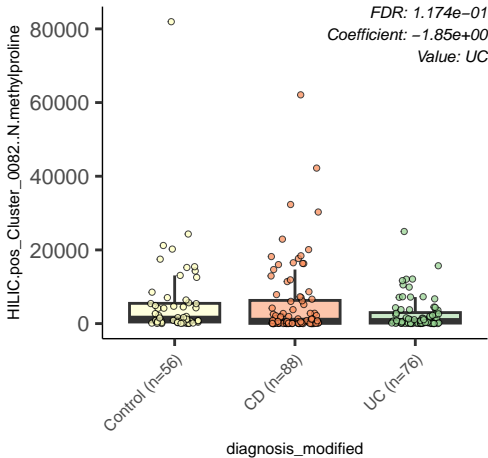
CD (n=88)

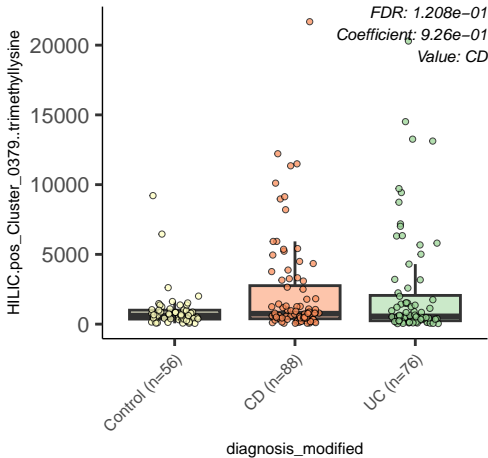
UC (n=76)

diagnosis_modified









C18.neg_Cluster_1680...maslinic.acid

FDR: 1.226e-01
Coefficient: -1.43e+00
Value: UC

4000

2000

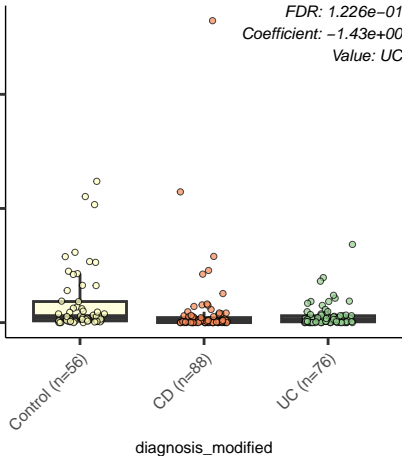
0

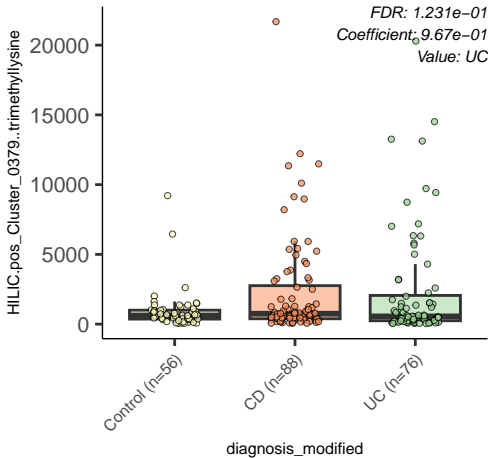
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





C8.pos_Cluster_0253..sphingosine

FDR: 1.233e-01
Coefficient: 9.22e-01
Value: UC

15000

10000

5000

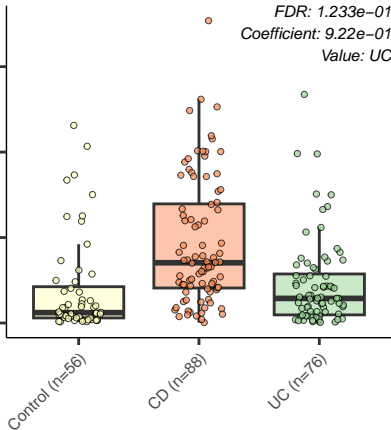
0

Control (n=56)

CD (n=88)

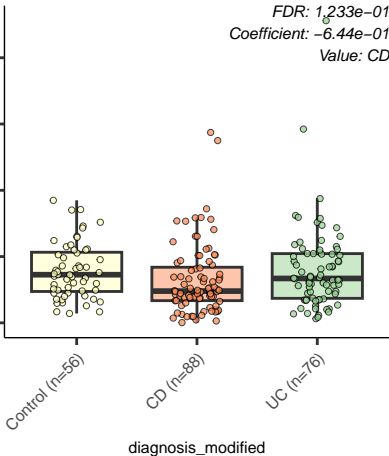
UC (n=76)

diagnosis_modified



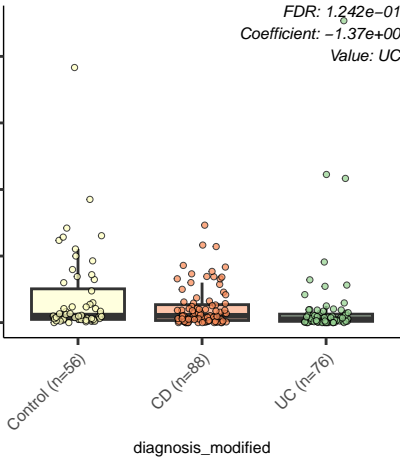
HILIC_pos_Cluster_0306..citruiline

FDR: $1.233\text{e-}01$
Coefficient: $-6.44\text{e-}01$
Value: CD

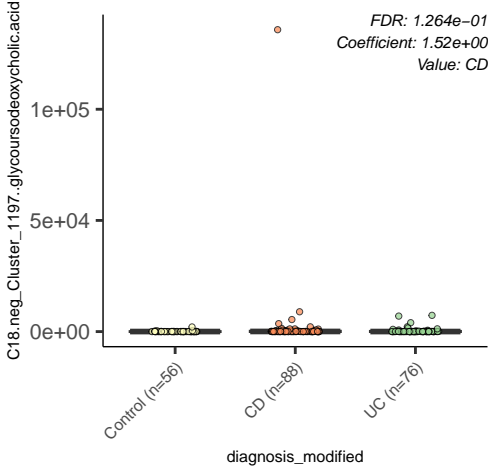


HILIC.pos_Cluster_0032...cytosine

FDR: 1.242×10^{-1}
Coefficient: -1.37×10^0
Value: UC



diagnosis_modified



HILIC.neg_Cluster_0105..leucine

FDR: 1.264e-01
Coefficient: 7.10e-01
Value: CD

60000

40000

20000

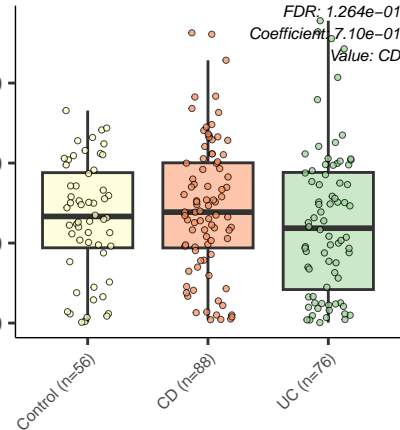
0

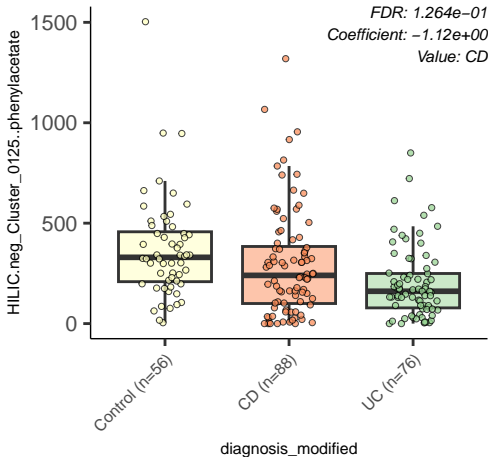
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC.neg_Cluster_0299..ascorbate

FDR: $1.264e-01$
Coefficient: $-1.34e+00$
Value: UC

20000

10000

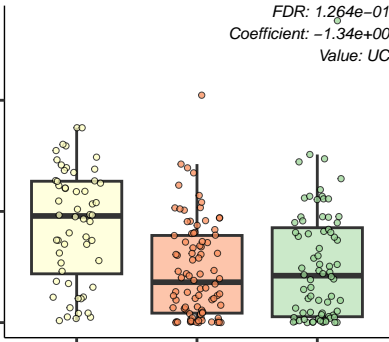
0

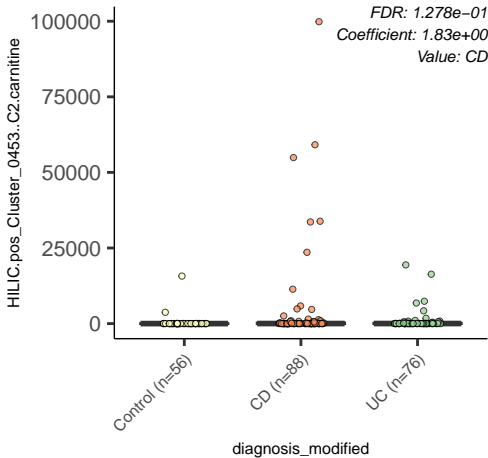
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC_pos_Cluster_0113..trigonelline

FDR: $1.307e-01$
Coefficient: $1.25e+00$
Value: CD

20000

10000

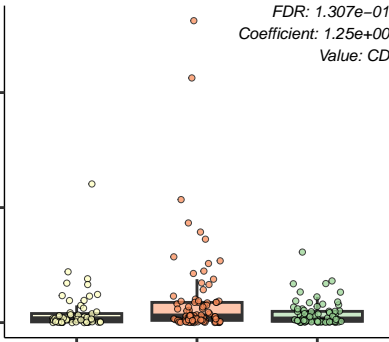
0

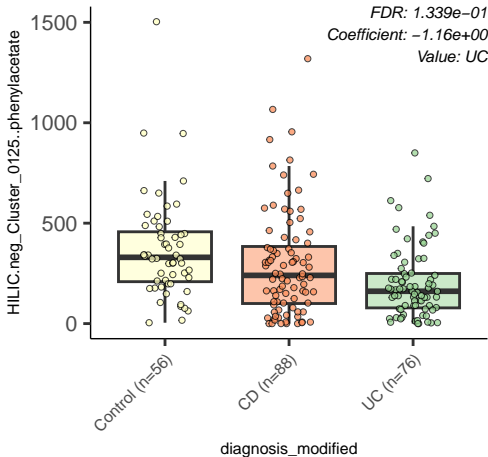
Control (n=56)

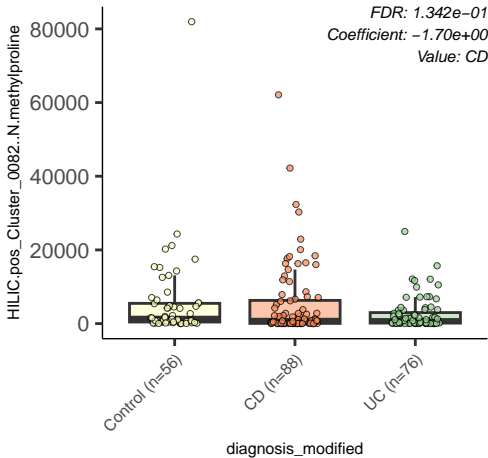
CD (n=88)

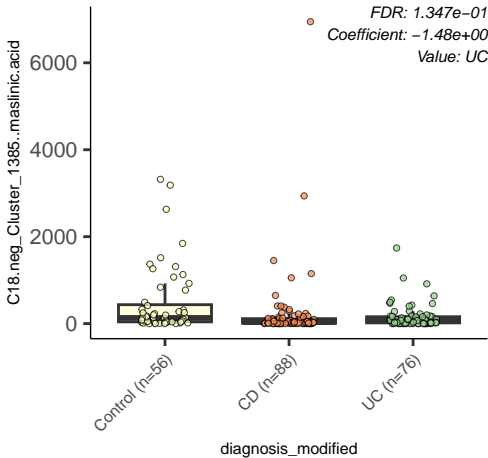
UC (n=76)

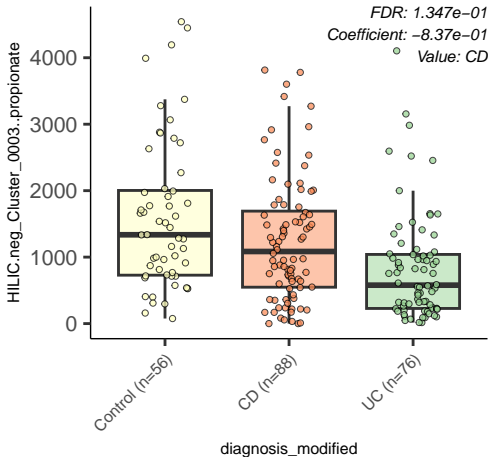
diagnosis_modified





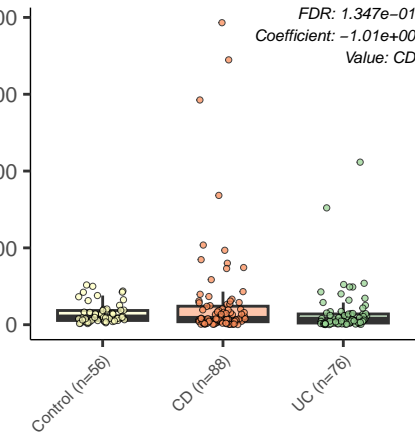






HILIC.neg_Cluster_0254..urate

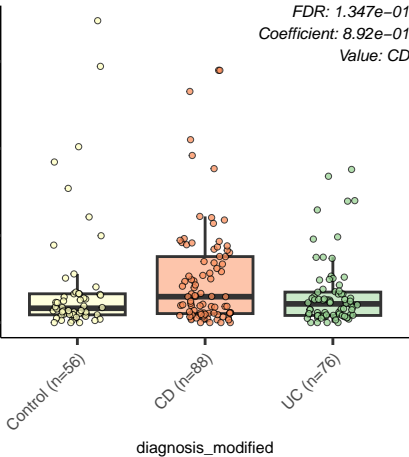
FDR: 1.347e-01
Coefficient: -1.01e+00
Value: CD



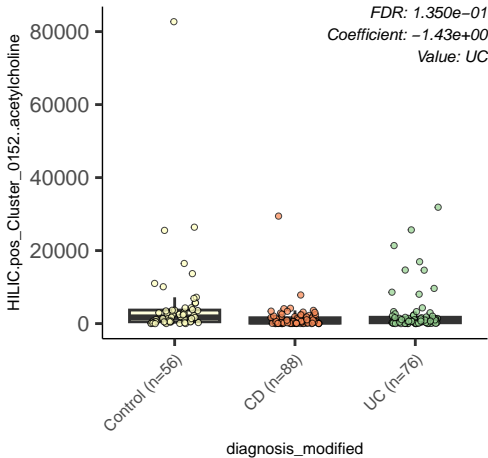
diagnosis_modified

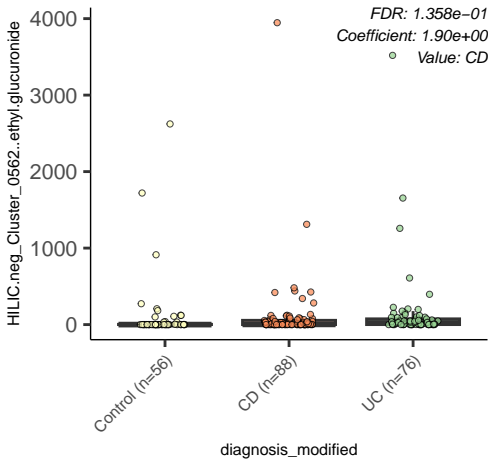
HILIC_pos_Cluster_0150..4.guanidinobutanoic.acid

FDR: $1.347e-01$
Coefficient: $8.92e-01$
Value: CD



diagnosis_modified





HILIC.neg_Cluster_0242..phenylalanine

FDR: 1.381e-01
Coefficient: 5.99e-01
Value: CD

60000

40000

20000

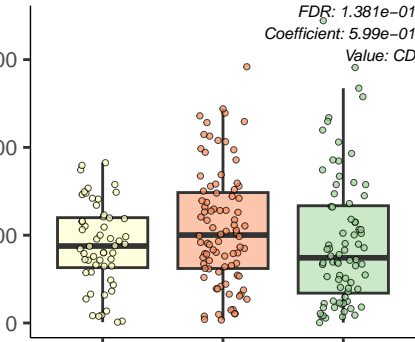
0

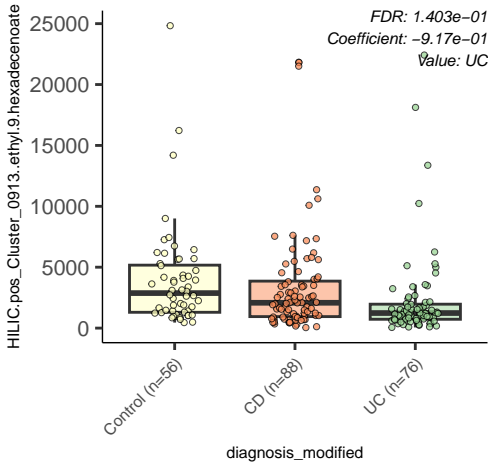
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC.pos_Cluster_0066..taurine

FDR: 1.405e-01
Coefficient: 1.49e+00
Value: UC

30000

20000

10000

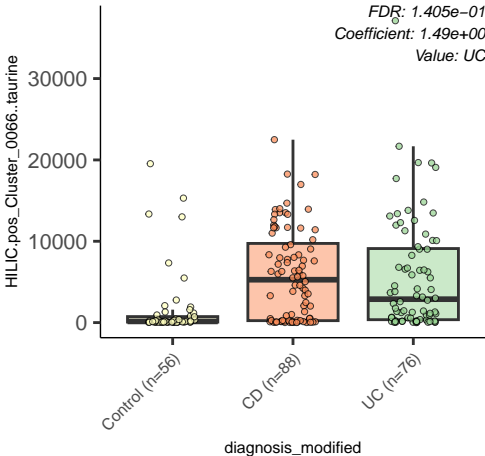
0

Control (n=56)

CD (n=88)

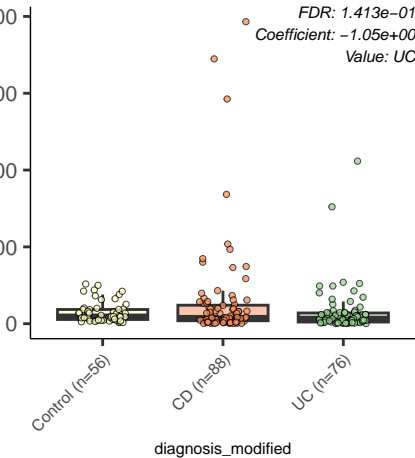
UC (n=76)

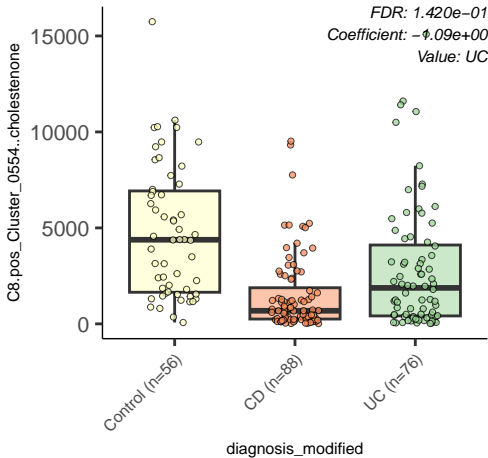
diagnosis_modified



HILIC.neg_Cluster_0254..urate

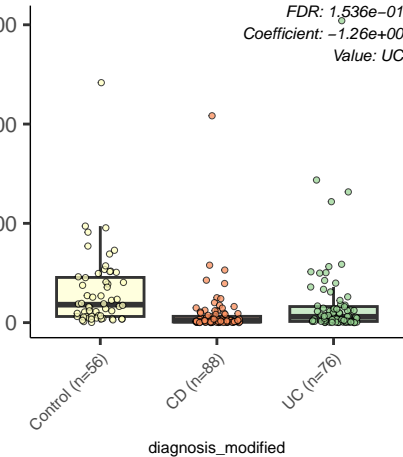
FDR: $1.413e-01$
Coefficient: $-1.05e+00$
Value: UC

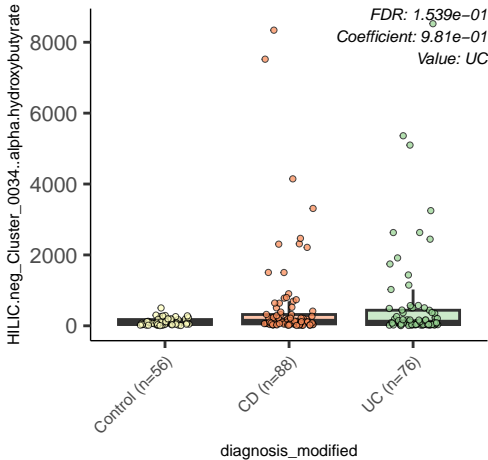


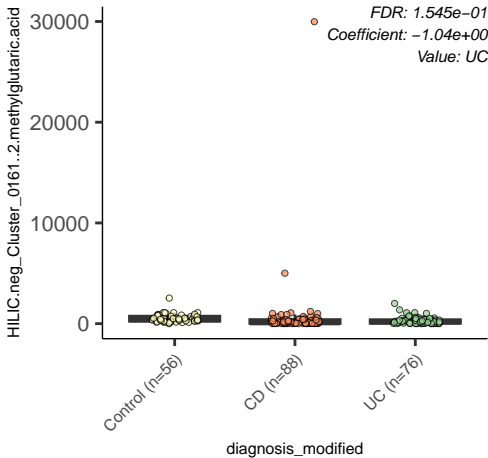


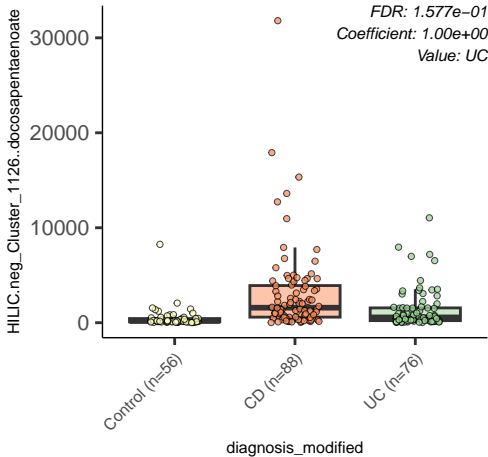
C8_pos_Cluster_0478..cholestenone

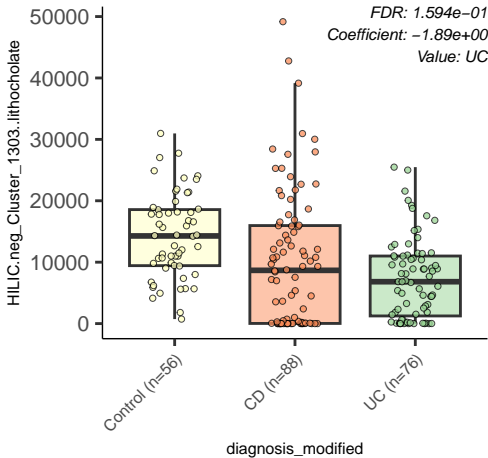
FDR: $1.536e-01$
Coefficient: $-1.26e+00$
Value: UC

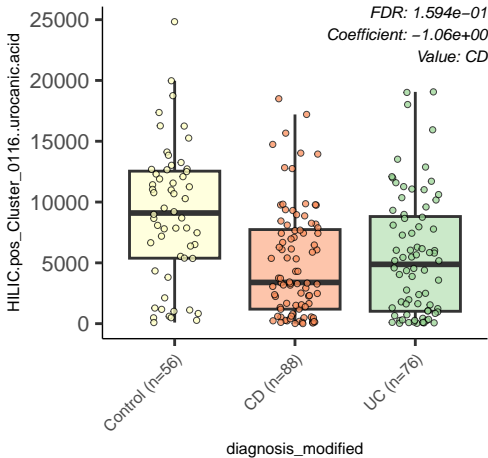


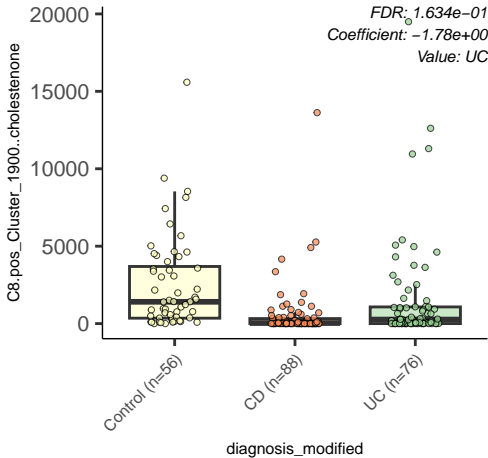


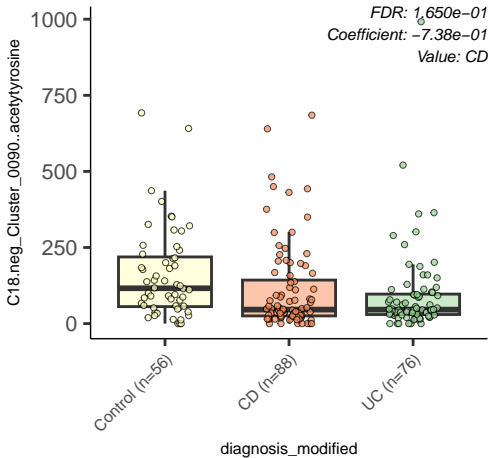


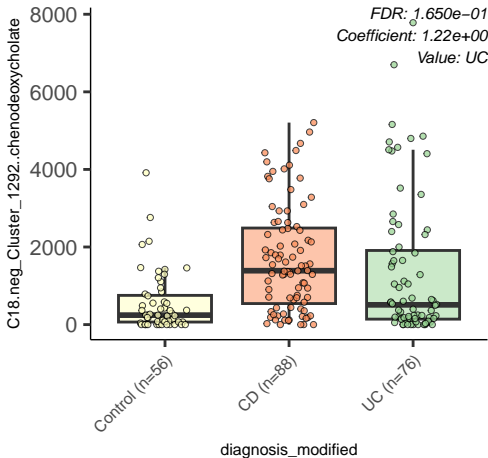












HILIC.pos_Cluster_0036..creatinine

FDR: 1.661e-01
Coefficient: 1.67e+00
Value: CD

60000

40000

20000

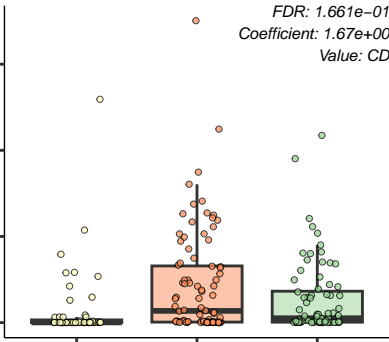
0

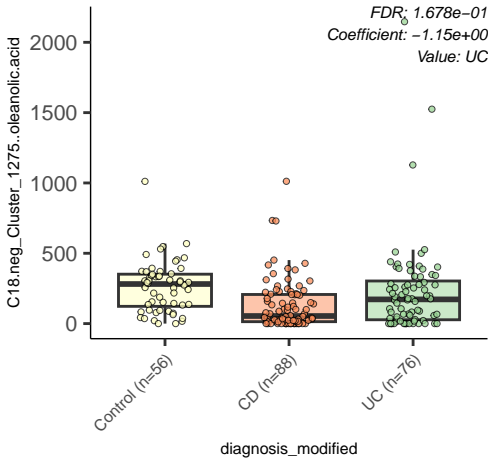
Control (n=56)

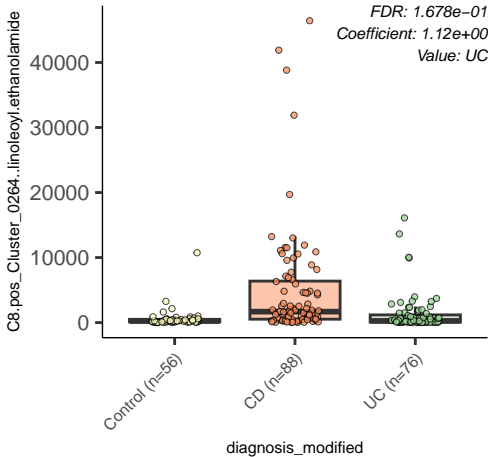
CD (n=88)

UC (n=76)

diagnosis_modified







HILIC.neg_Cluster_0020...lactate

FDR: $1.681e-01$
Coefficient: $9.95e-01$
Value: CD

90000

60000

30000

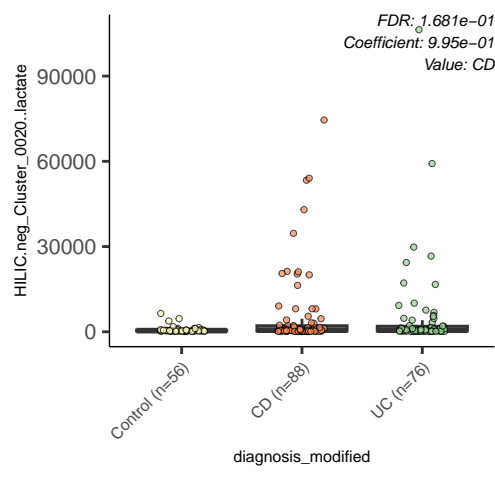
0

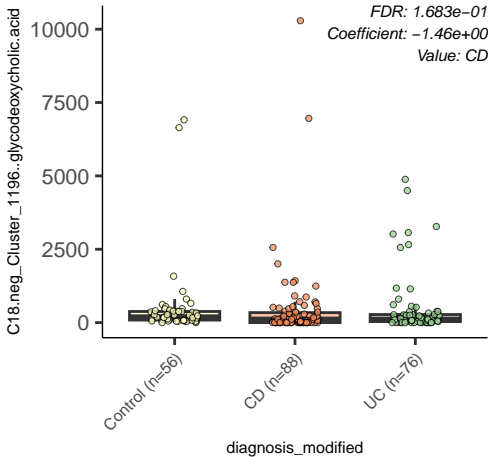
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC.pos_Cluster_0156..glutamine

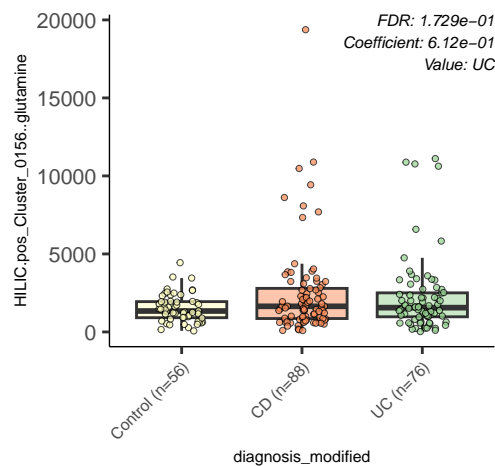
FDR: 1.729e-01
Coefficient: 6.12e-01
Value: UC

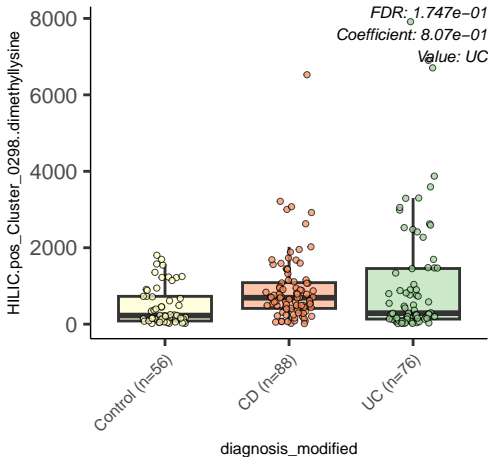
Control (n=56)

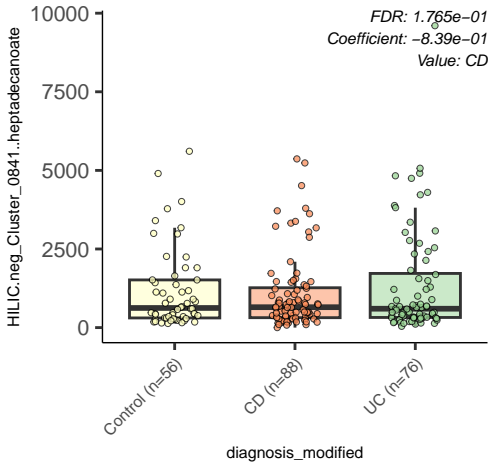
CD (n=88)

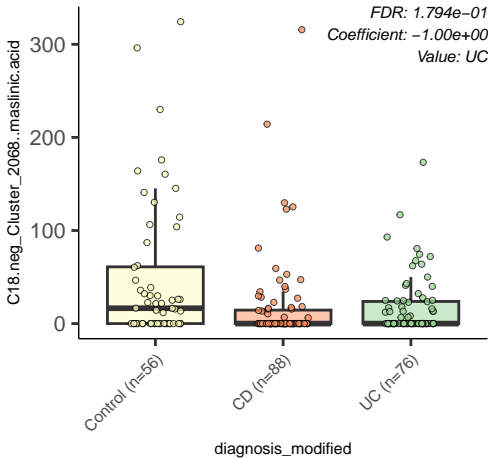
UC (n=76)

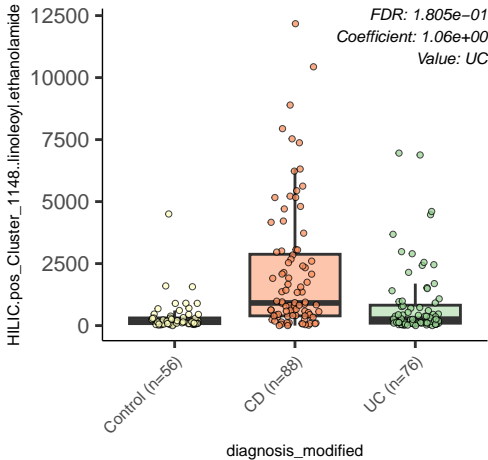
diagnosis_modified

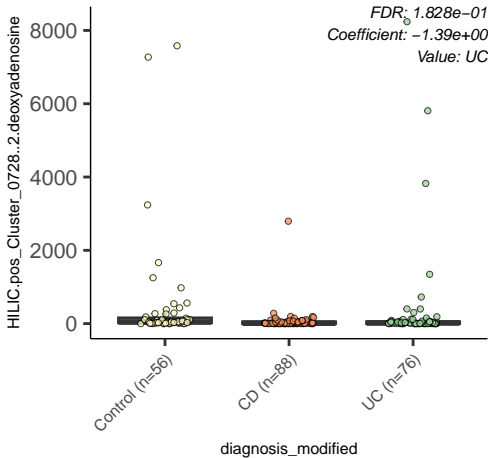












HILIC.pos_Cluster_0079..pyroglutamic.acid

FDR: 1.884e-01
Coefficient: 6.30e-01
Value: CD

10000

5000

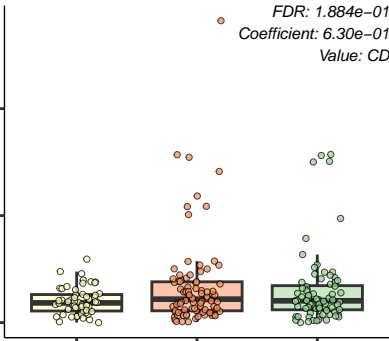
0

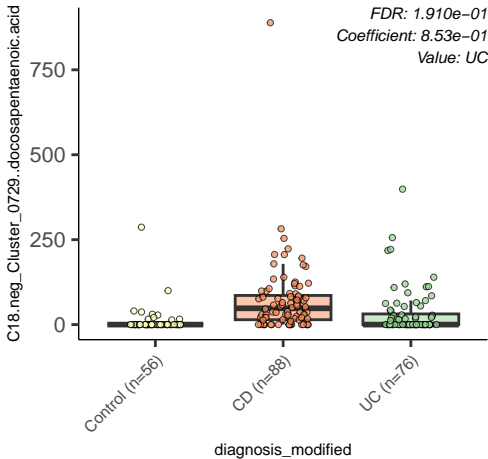
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC.neg_Cluster_0059..proline

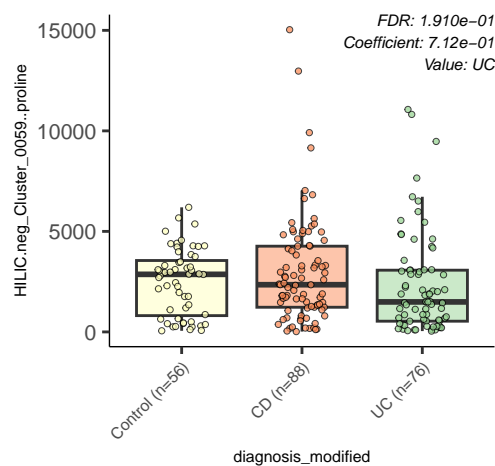
FDR: 1.910e-01
Coefficient: 7.12e-01
Value: UC

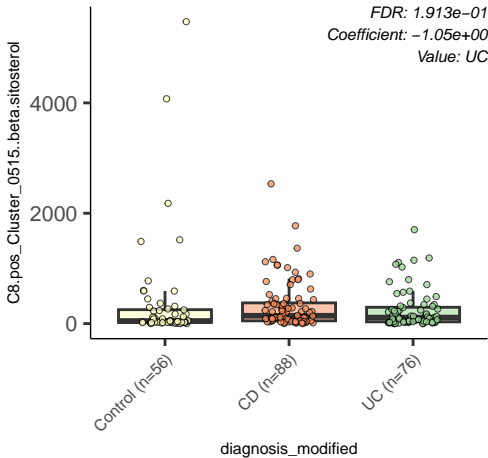
Control (n=56)

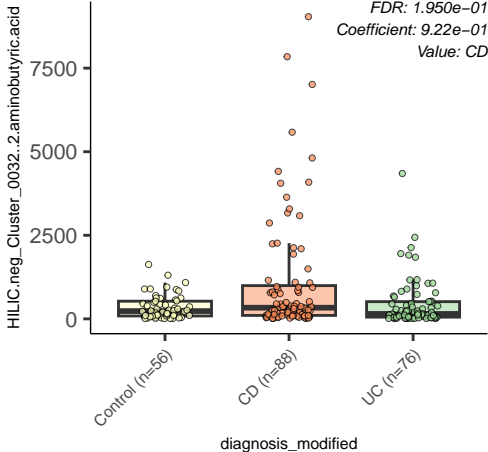
CD (n=88)

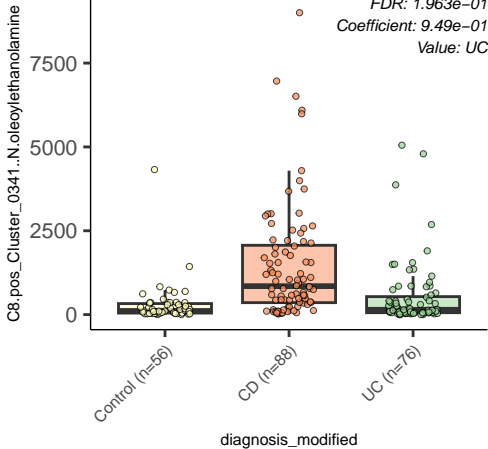
UC (n=76)

diagnosis_modified









HILIC.neg_Cluster_0015..alanine

15000

10000

5000

0

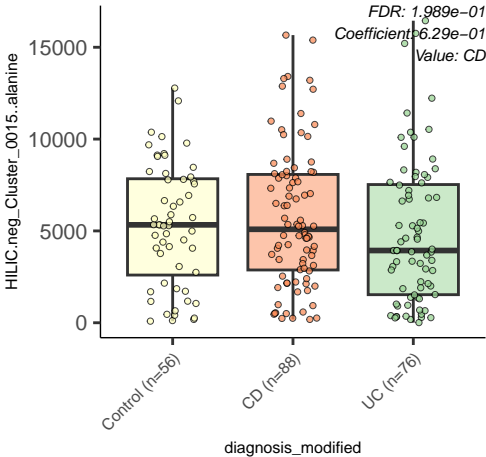
Control (n=56)

CD (n=88)

UC (n=76)

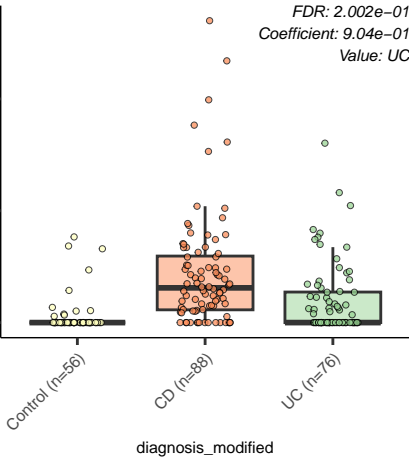
diagnosis_modified

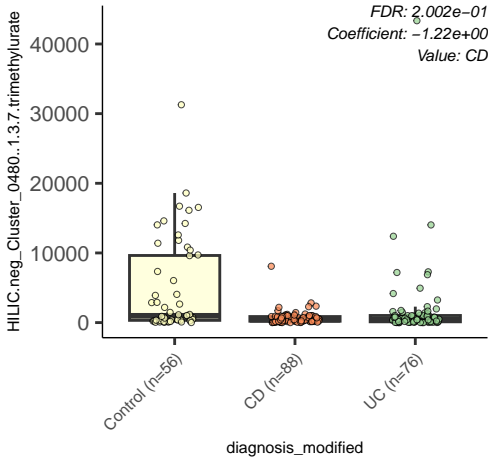
FDR: 1.989e-01
Coefficient: 6.29e-01
Value: CD

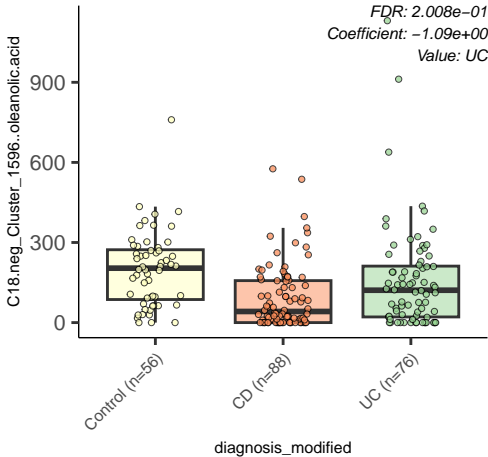


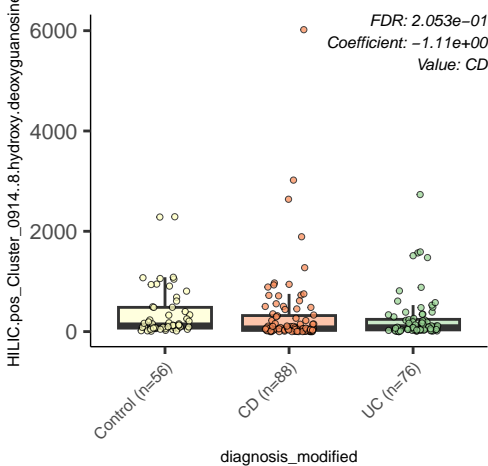
C18.neg_Cluster_0591..eicosatrienoic.acid

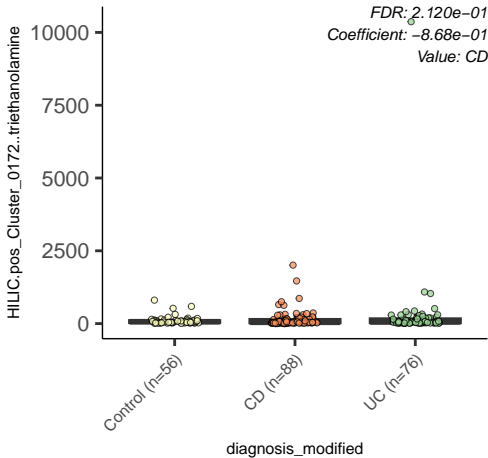
FDR: 2.002e-01
Coefficient: 9.04e-01
Value: UC





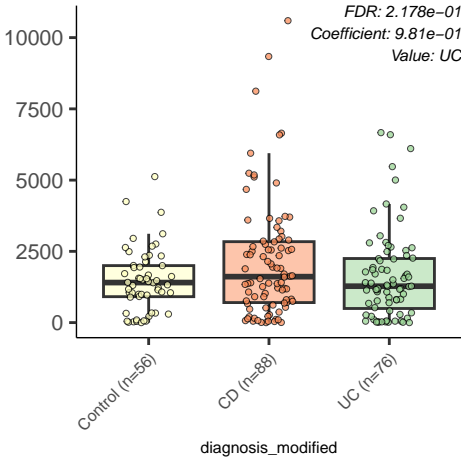






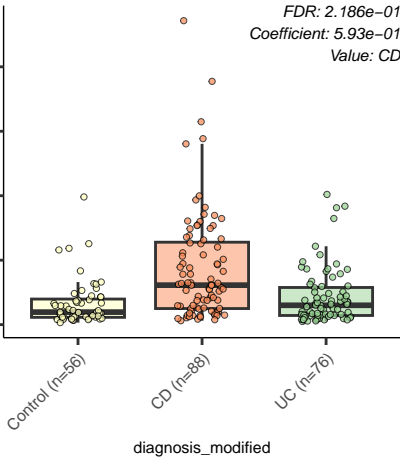
HILIC_neg_Cluster_0162..glutamine

FDR: 2.178e-01
Coefficient: 9.81e-01
Value: UC



HILIC_pos_Cluster_1113..phytosphingosine

FDR: 2.186e-01
Coefficient: 5.93e-01
Value: CD



HILIC.neg_Cluster_0066..valine

FDR: 2.199e-01
Coefficient: 6.79e-01
Value: UC

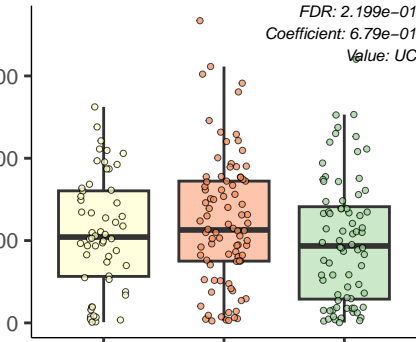
60000
40000
20000
0

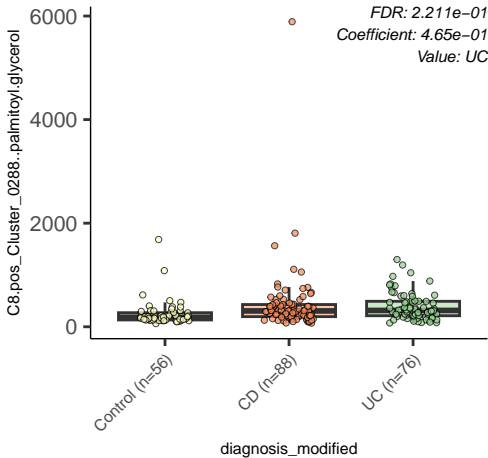
Control (n=56)

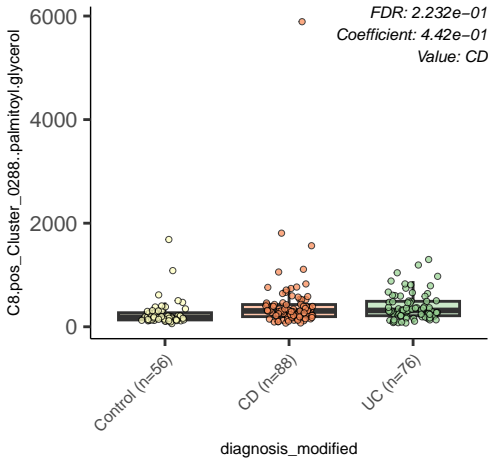
CD (n=88)

UC (n=76)

diagnosis_modified

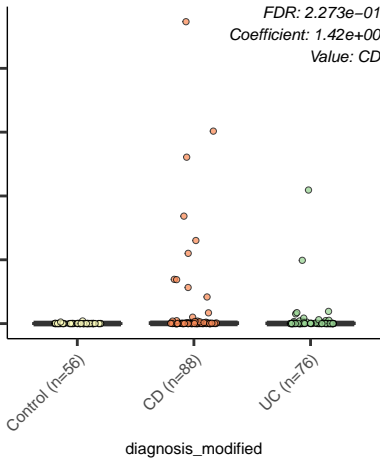






C18.neg_Cluster_1574..taurochenodesoxycholic.ac

FDR: 2.273e-01
Coefficient: 1.42e+00
Value: CD



C18.neg_Cluster_0250..oleic.acid

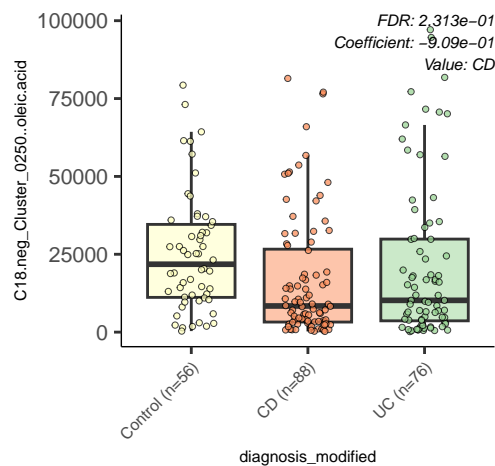
FDR: $2.313e-01$
Coefficient: $-9.09e-01$
Value: CD

Control (n=56)

CD (n=88)

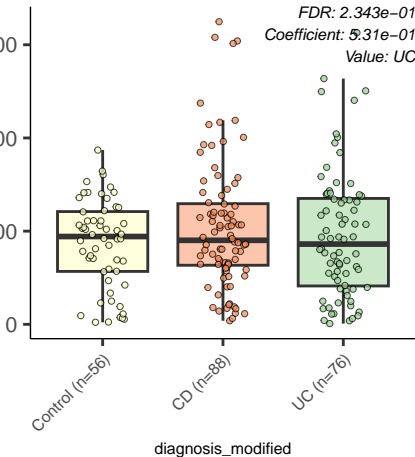
UC (n=76)

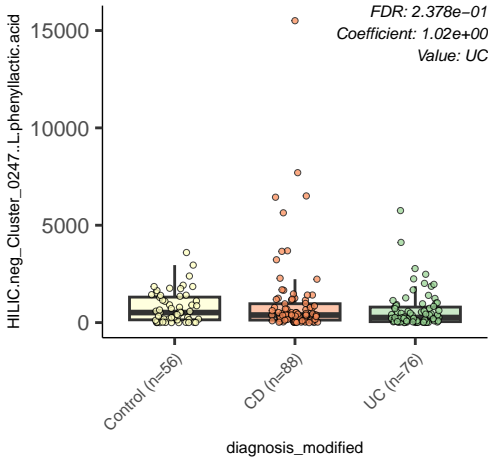
diagnosis_modified

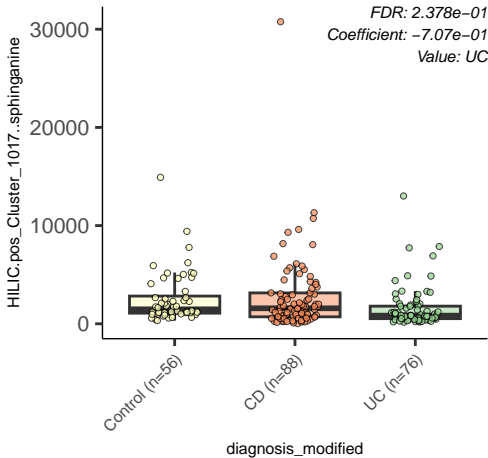


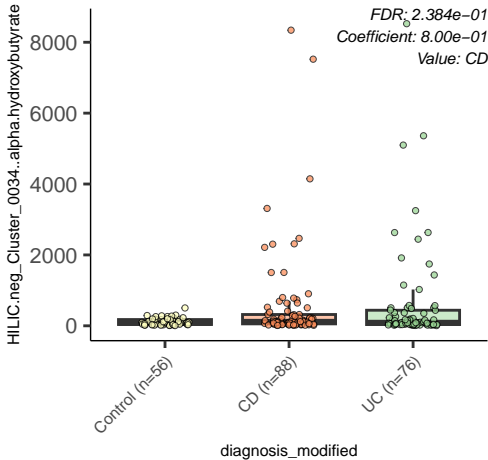
HILIC_pos_Cluster_0046..valine

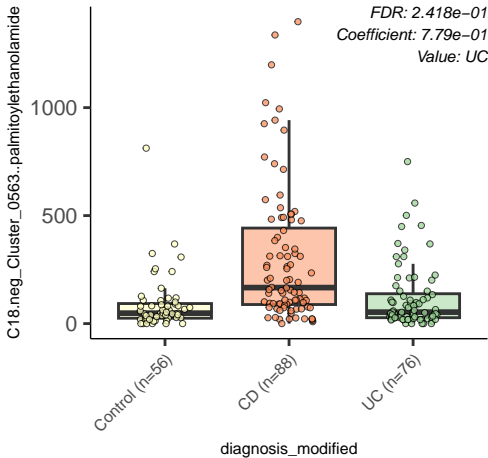
FDR: 2.343e-01
Coefficient: 5.31e-01
Value: UC











HILIC_pos_Cluster_0022...choline

FDR: 2.418e-01
Coefficient: 4.95e-01
Value: CD

75000

50000

25000

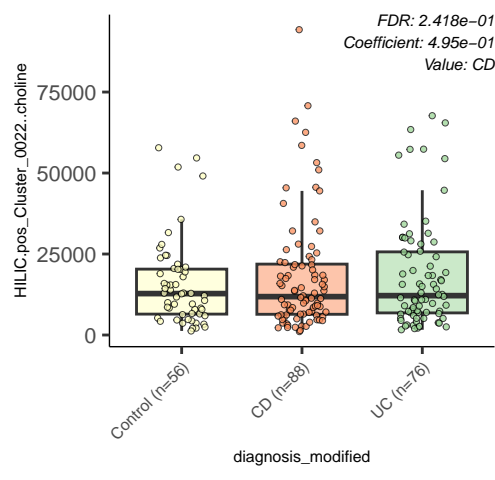
0

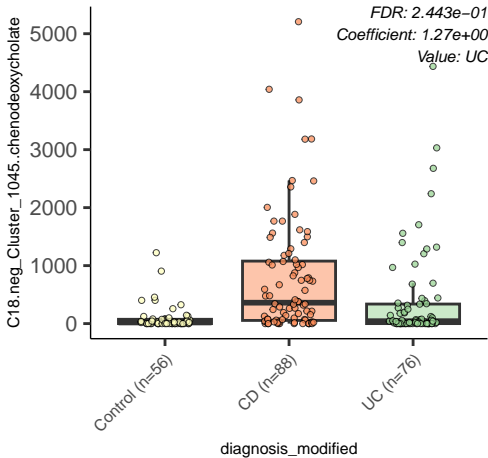
Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified





HILIC.pos_Cluster_0048..betaine

FDR: 2.443e-01
Coefficient: 1.00e+00
Value: UC

60000

40000

20000

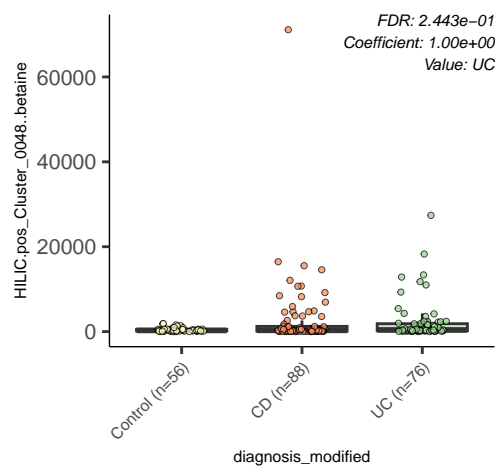
0

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified



HILIC.pos_Cluster_0046..valine

FDR: 2.496e-01
Coefficient: 4.92e-01
Value: CD

Control (n=56)

CD (n=88)

UC (n=76)

diagnosis_modified

