

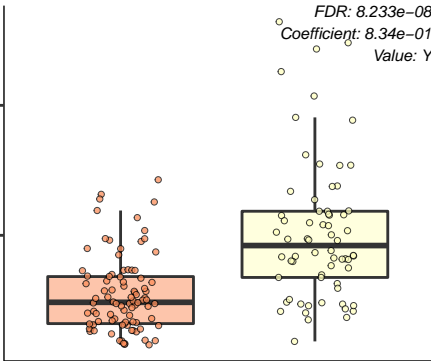
Linoleic.acid_279.2

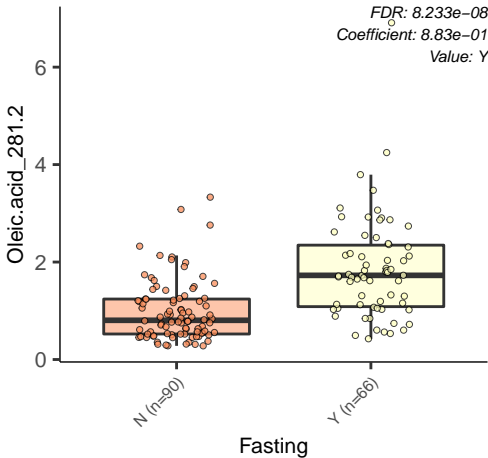
FDR: 8.233e-08
Coefficient: 8.34e-01
Value: Y

N (n=90)

Y (n=66)

Fasting





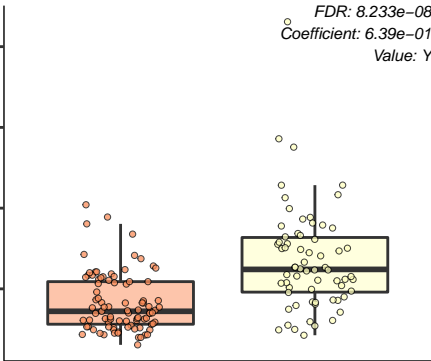
Palmitic.acid_255.2

FDR: 8.233e-08
Coefficient: 6.39e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



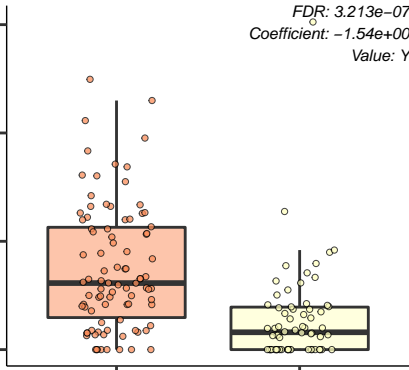
Glycochenodeoxycholate_448.3

FDR: 3.213e-07
Coefficient: -1.54e+00
Value: Y

N (n=90)

Y (n=66)

Fasting



Fructose_179.1

FDR: 5.382e-07

Coefficient: -1.05e+00

Value: Y

0.10

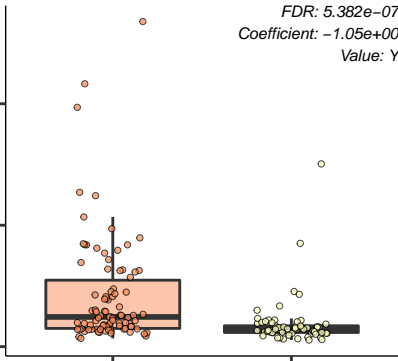
0.05

0.00

N (n=90)

Y (n=66)

Fasting



Docosahexaenoic.acid_327.2

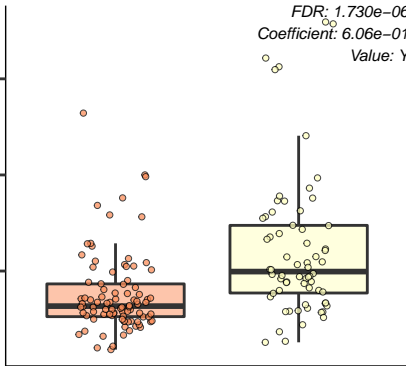
FDR: 1.730e-06
Coefficient: 6.06e-01
Value: Y

0.06
0.04
0.02

N (n=90)

Y (n=66)

Fasting



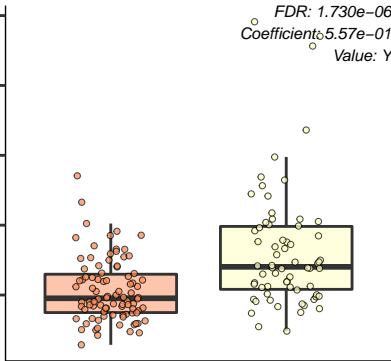
Hexanoyl.carnitine_260.2

FDR: 1.730e-06
Coefficient: 5.57e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



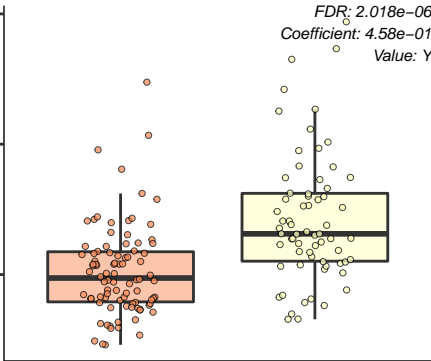
acetyl.carnitine_204.1

FDR: 2.018e-06
Coefficient: 4.58e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



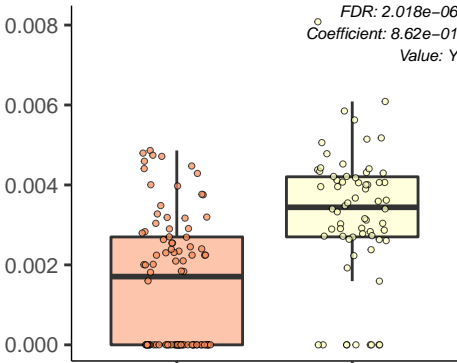
Glycerol.Myristate_301.2

FDR: 2.018e-06
Coefficient: 8.62e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



Palmitoleic.acid_253.2

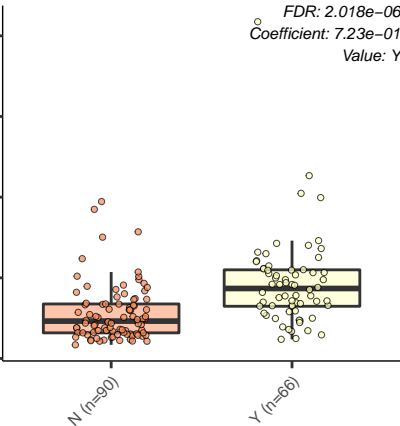
FDR: 2.018e-06
Coefficient: 7.23e-01
Value: Y

1.00
0.75
0.50
0.25
0.00

N (n=90)

Y (n=66)

Fasting



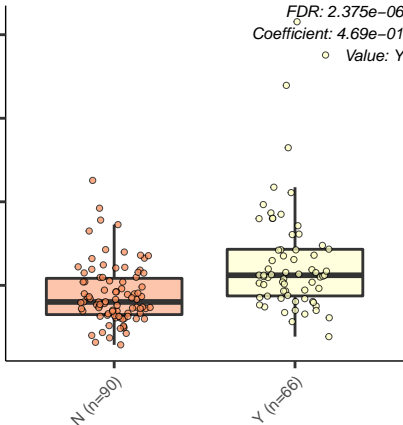
N.Acetylglutamine_116

FDR: 2.375e-06
Coefficient: 4.69e-01
Value: Y

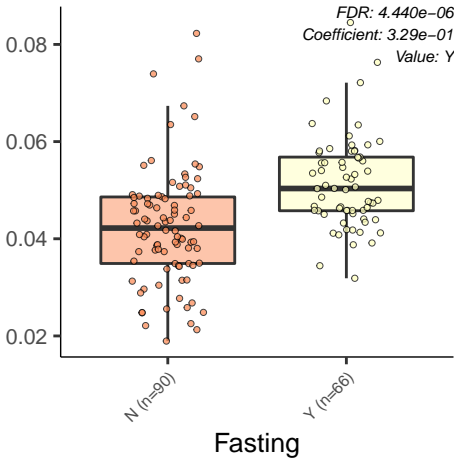
N (n=90)

Y (n=66)

Fasting



Uridine_243.1



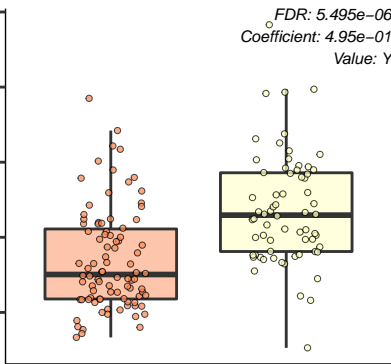
Arachidonic.acid_303.2

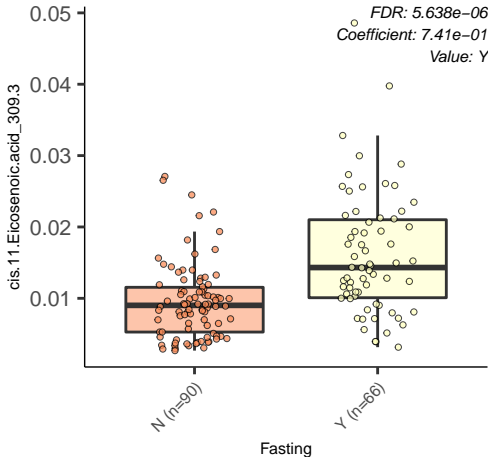
FDR: 5.495e-06
Coefficient: 4.95e-01
Value: Y

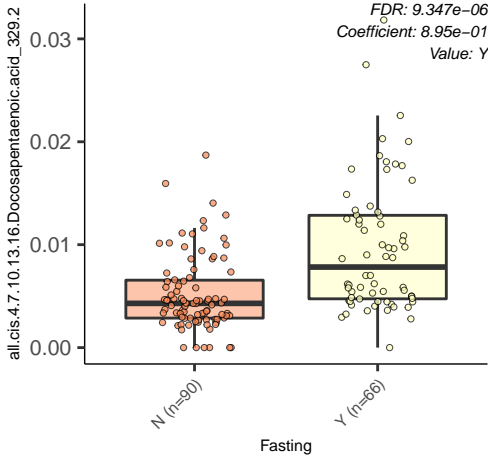
N (n=90)

Y (n=66)

Fasting







cis.10.Nonadecenoic.acid_295.3

FDR: 1.046e-05
Coefficient: 8.61e-01
Value: Y

0.010

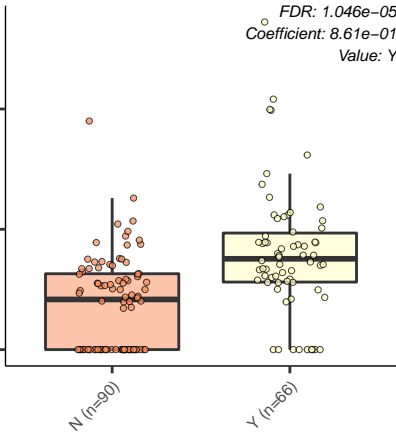
0.005

0.000

N (n=90)

Y (n=66)

Fasting



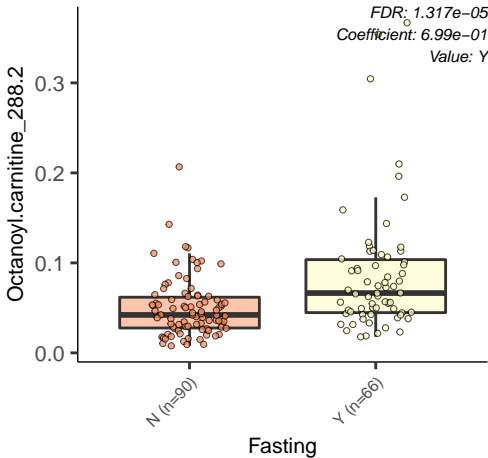
Octanoyl.carnitine_288.2

FDR: $1.317e-05$
Coefficient: $6.99e-01$
Value: Y

N (n=90)

Y (n=66)

Fasting



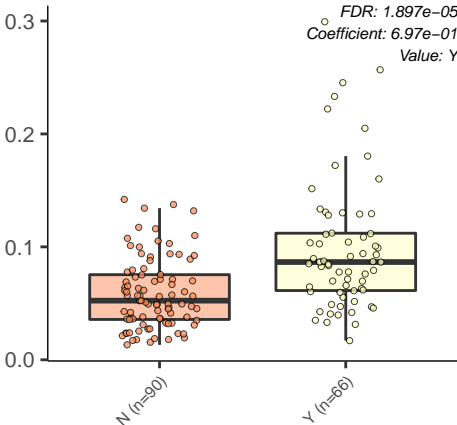
Ximeninic.Acid_277.2

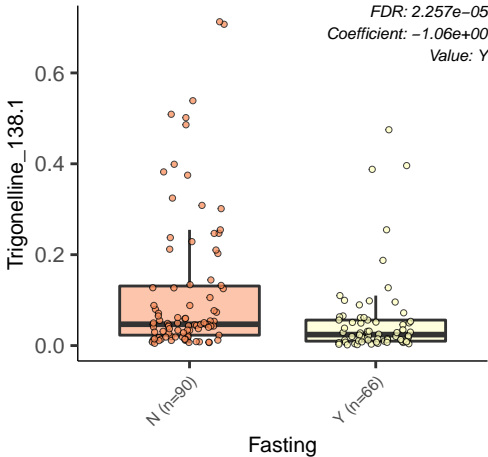
FDR: 1.897e-05
Coefficient: 6.97e-01
Value: Y

N (n=90)

Y (n=66)

Fasting





X5.Z..8.Z..11.Z..Eicosatrienoic.Acid_305.2

FDR: 2.863e-05
Coefficient: 6.80e-01
Value: Y

0.03

0.02

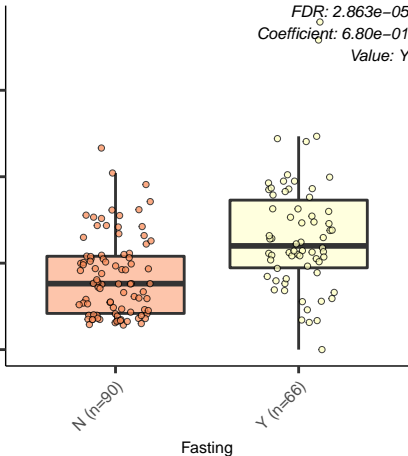
0.01

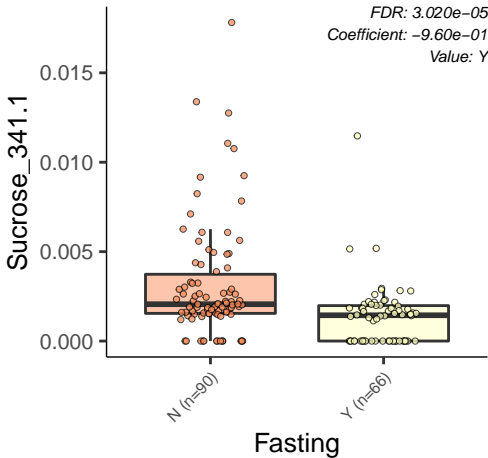
0.00

N (n=90)

Y (n=66)

Fasting





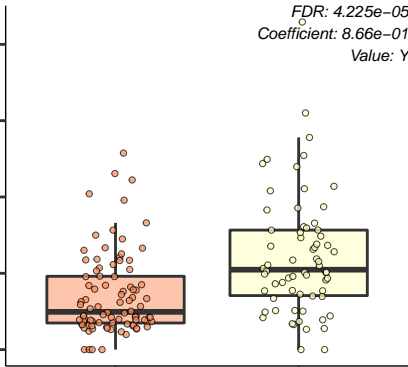
cis.5.Dodecenoic.acid_197.2

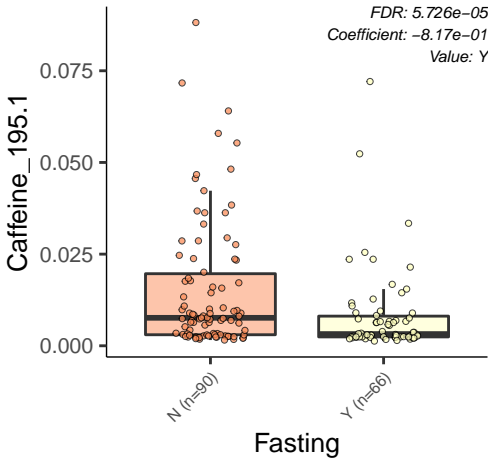
FDR: 4.225e-05
Coefficient: 8.66e-01
Value: Y

N (n=90)

Y (n=66)

Fasting





X4.Guanidinobutanoate_146.1

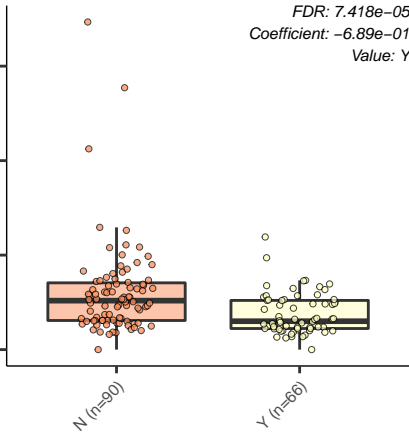
FDR: $7.418e-05$
Coefficient: $-6.89e-01$
Value: Y

0.03
0.02
0.01
0.00

N (n=90)

Y (n=66)

Fasting



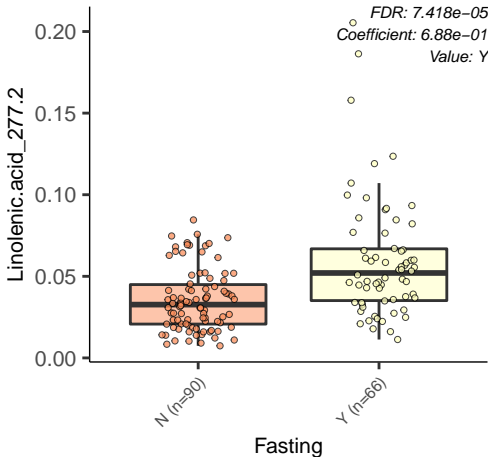
Linolenic.acid_277.2

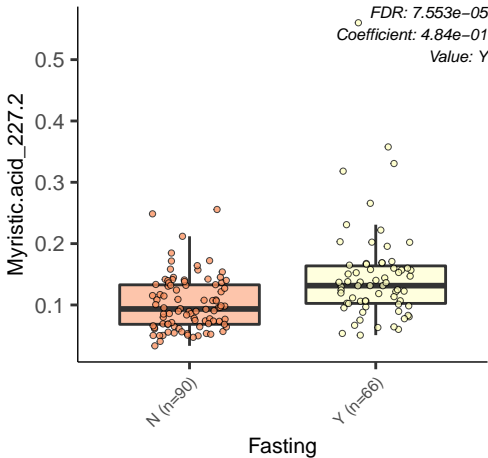
FDR: 7.418e-05
Coefficient: 6.88e-01
Value: Y

N (n=90)

Y (n=66)

Fasting





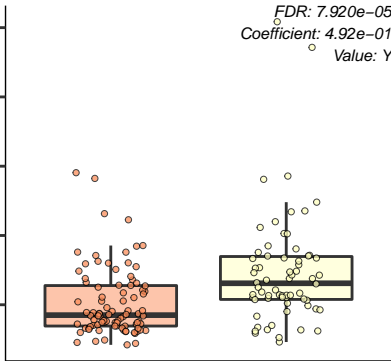
Myristoleic.acid_225.2

FDR: $7.920e-05$
Coefficient: $4.92e-01$
Value: Y

N (n=90)

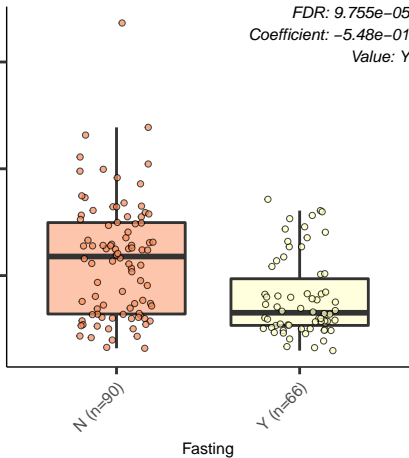
Y (n=66)

Fasting



X3..4.Hydroxyphenyl.Pyruvate_179

FDR: $9.755e-05$
Coefficient: $-5.48e-01$
Value: Y



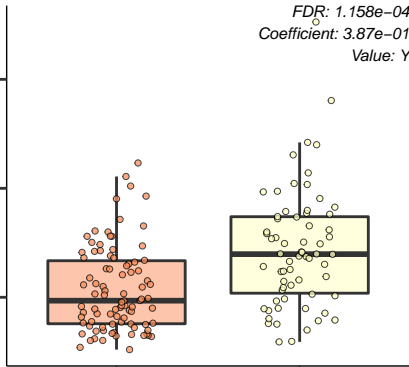
X14.Methylhexadecanoic.acid_269.2

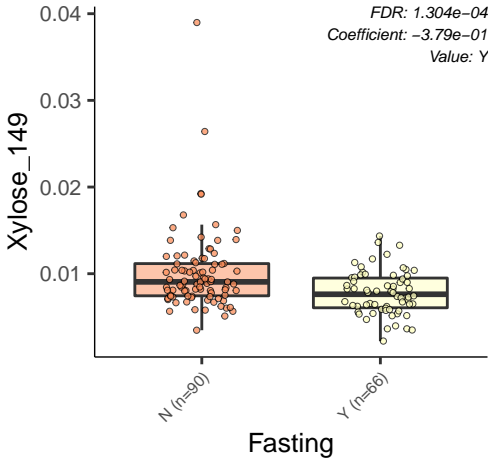
FDR: 1.158e-04
Coefficient: 3.87e-01
Value: Y

N (n=90)

Y (n=66)

Fasting





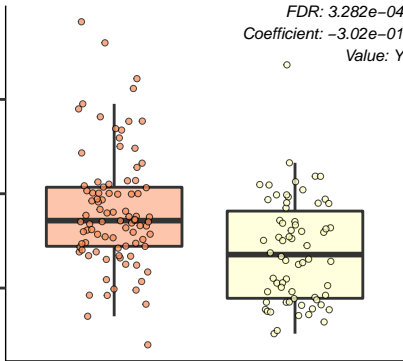
Propionyl.carnitine_218.1

FDR: 3.282e-04
Coefficient: -3.02e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



Mannitol_181.1

FDR: 7.485e-04

Coefficient: -9.58e-01

Value: Y

0.6

0.4

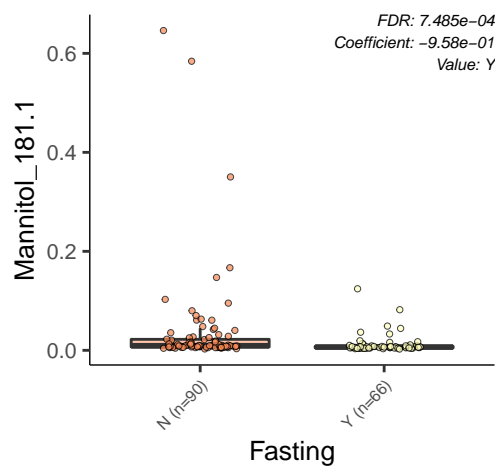
0.2

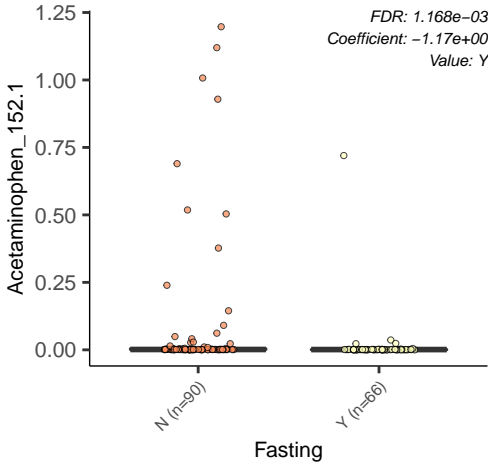
0.0

N (n=90)

Y (n=66)

Fasting





Paraxanthine_181.1

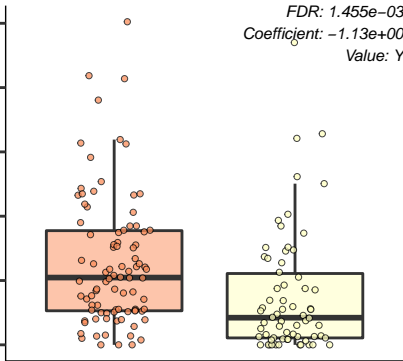
0.05
0.04
0.03
0.02
0.01
0.00

FDR: 1.455e-03
Coefficient: -1.13e+00
Value: Y

N (n=90)

Y (n=66)

Fasting



Glycocholate_464.3

FDR: 1.903e-03
Coefficient: -8.86e-01
Value: Y

0.010

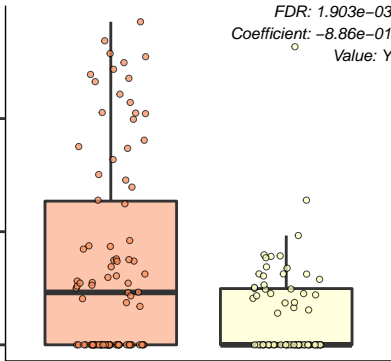
0.005

0.000

N (n=90)

Y (n=66)

Fasting



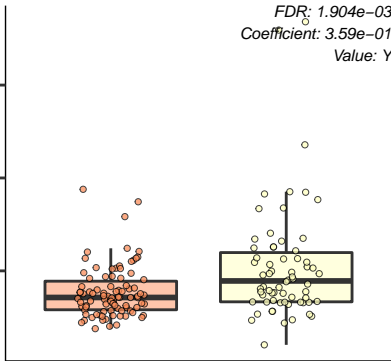
X9.Decenoic.acid_169.1

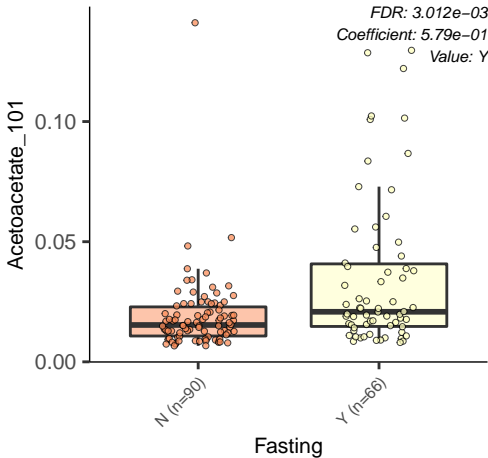
FDR: 1.904e-03
Coefficient: 3.59e-01
Value: Y

N (n=90)

Y (n=66)

Fasting





Palmitoyl.carnitine_400.3

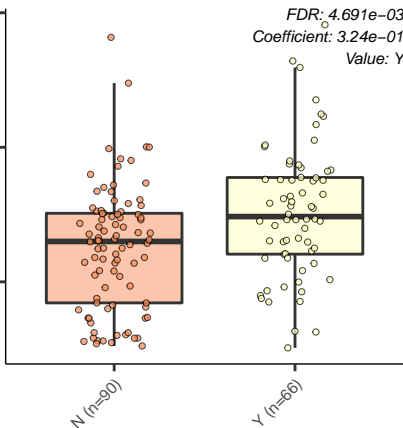
0.03
0.02
0.01

FDR: 4.691e-03
Coefficient: 3.24e-01
Value: Y

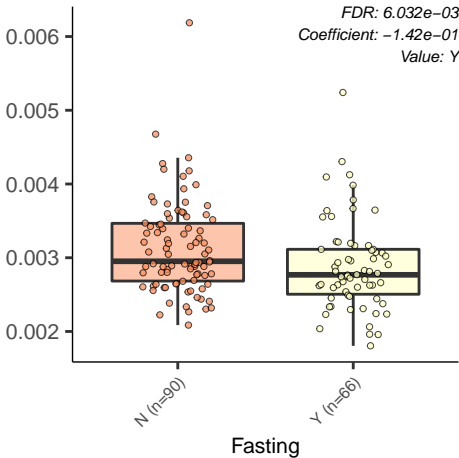
N (n=90)

Y (n=66)

Fasting



N.Acetylputrescine_131.1



Dimethylarginine_203.2

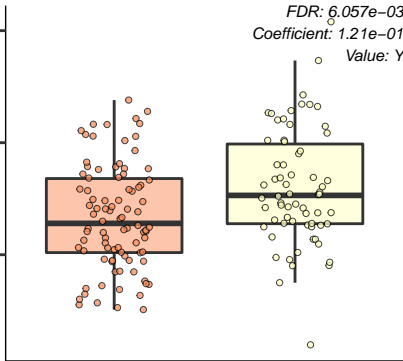
0.05
0.04
0.03

FDR: 6.057e-03
Coefficient: 1.21e-01
Value: Y

N (n=90)

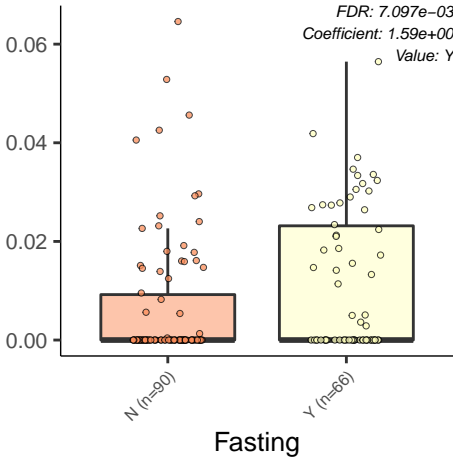
Y (n=66)

Fasting



Bilirubin_585.3

FDR: $7.097e-03$
Coefficient: $1.59e+00$
Value: Y



Hippurate_178.1

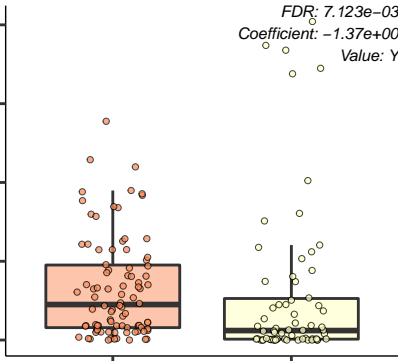
0.20
0.15
0.10
0.05
0.00

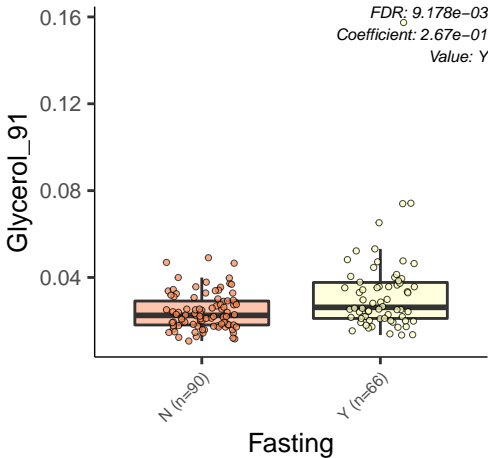
N (n=90)

Y (n=66)

Fasting

FDR: $7.123e-03$
Coefficient: $-1.37e+00$
Value: Y





Indole.3.Acetate_174.1

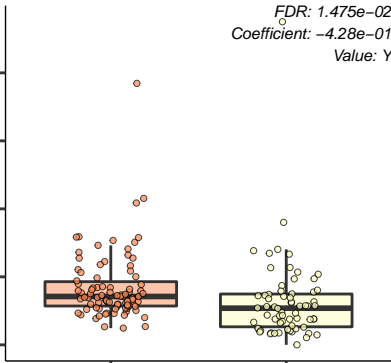
FDR: 1.475e-02
Coefficient: -4.28e-01
Value: Y

0.100
0.075
0.050
0.025
0.000

N (n=90)

Y (n=66)

Fasting



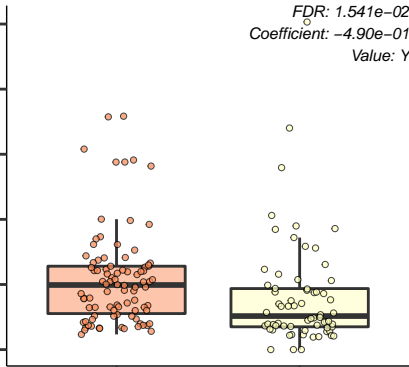
X2.3.Dihydroxybenzoate_153

FDR: 1.541e-02
Coefficient: -4.90e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



Salicylate_137

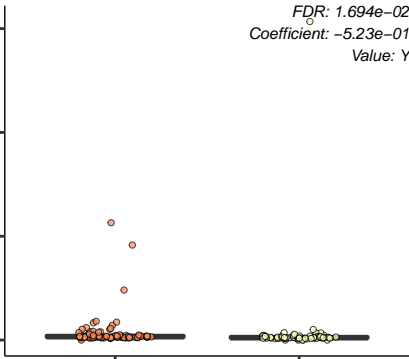
FDR: 1.694e-02
Coefficient: -5.23e-01
Value: Y

0.3
0.2
0.1
0.0

N (n=90)

Y (n=66)

Fasting



Pentadecanoic.acid_241.2

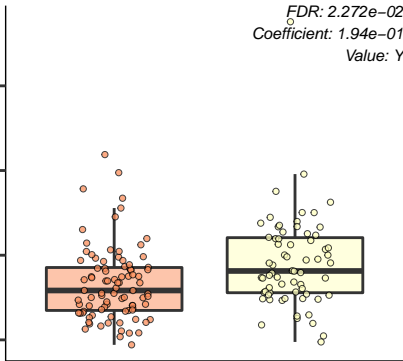
FDR: 2.272e-02
Coefficient: 1.94e-01
Value: Y

0.08
0.06
0.04
0.02

N (n=90)

Y (n=66)

Fasting



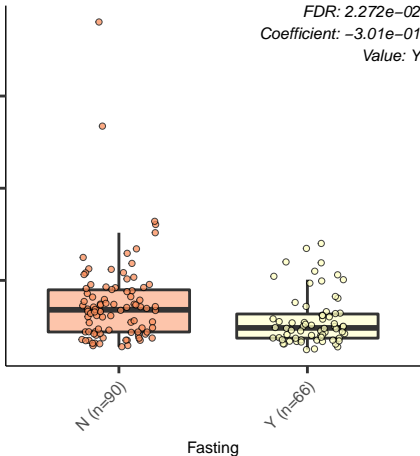
Trans.4.Hydroxy.L.Proline_132.1

FDR: 2.272e-02
Coefficient: -3.01e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



X2.Methylmaleate_129

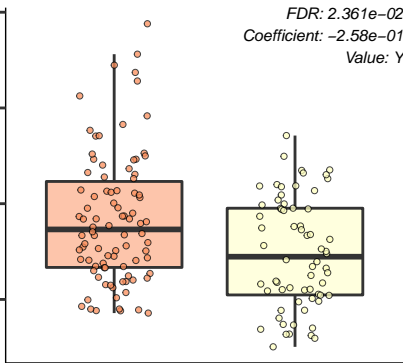
0.08
0.06
0.04
0.02

FDR: 2.361e-02
Coefficient: -2.58e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



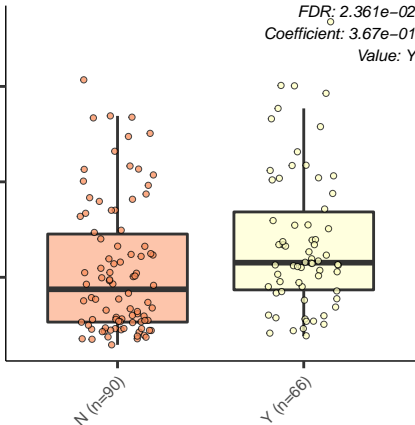
N.Acetylanine_130.1

FDR: 2.361e-02
Coefficient: 3.67e-01
Value: Y

N (n=90)

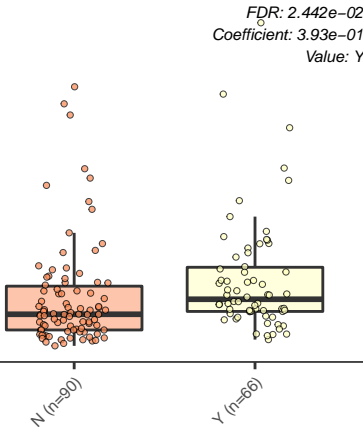
Y (n=66)

Fasting

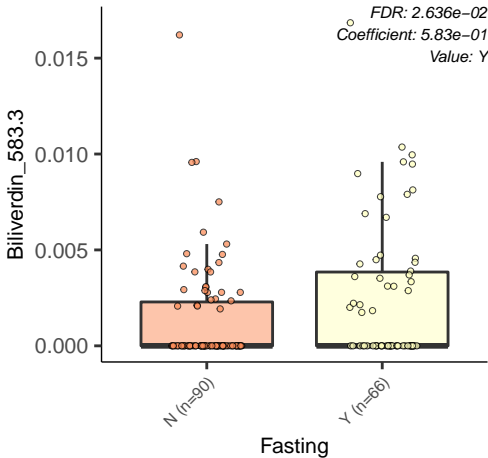


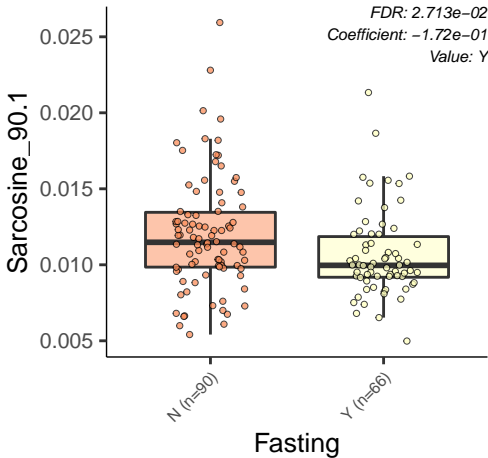
Dodecanoic.acid_199.2

FDR: 2.442e-02
Coefficient: 3.93e-01
Value: Y



Fasting





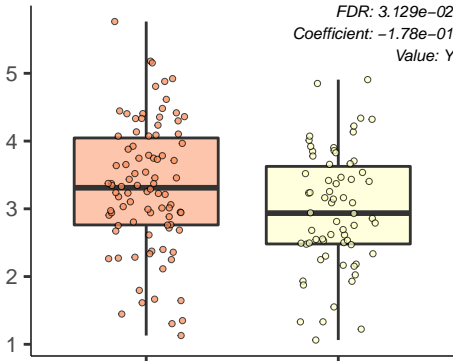
Betaine_118.1

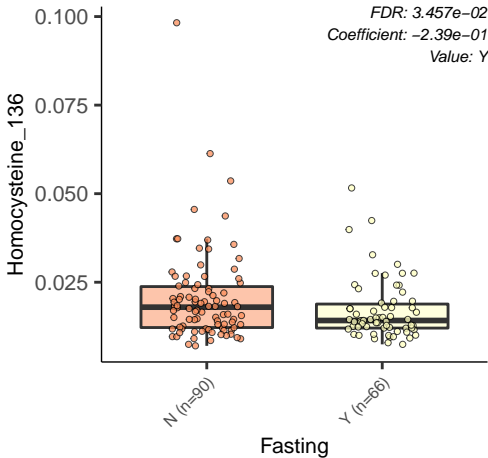
FDR: 3.129×10^{-2}
Coefficient: -1.78×10^{-1}
Value: Y

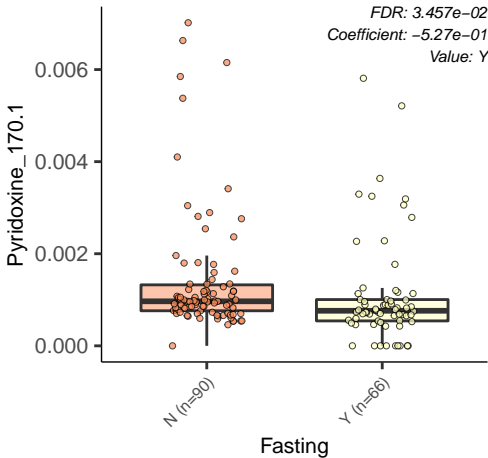
N (n=90)

Y (n=66)

Fasting







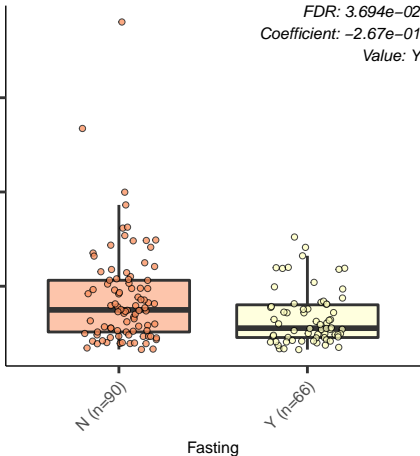
Cis.4.Hydroxy.D.Proline_132.1

FDR: 3.694e-02
Coefficient: -2.67e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



Phenylpyruvate_163

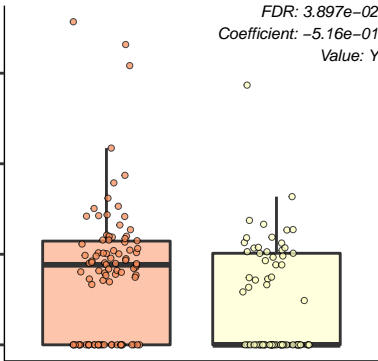
0.0075
0.0050
0.0025
0.0000

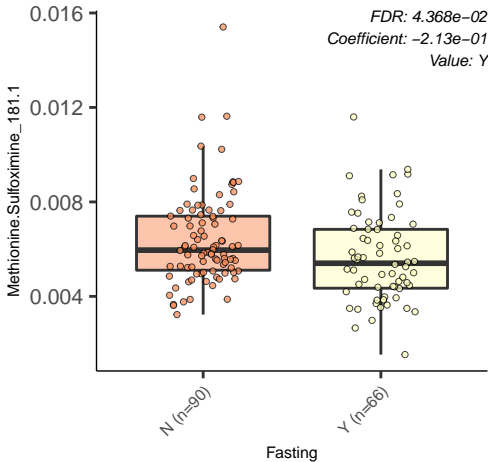
N (n=90)

Y (n=66)

Fasting

FDR: 3.897e-02
Coefficient: -5.16e-01
Value: Y





Alanine_90.1

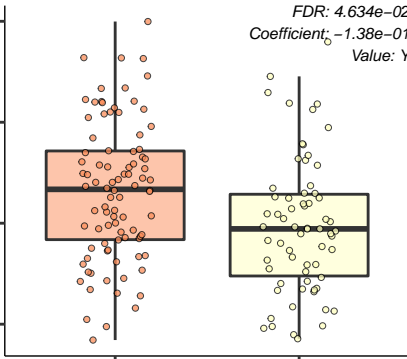
1.0
0.8
0.6
0.4

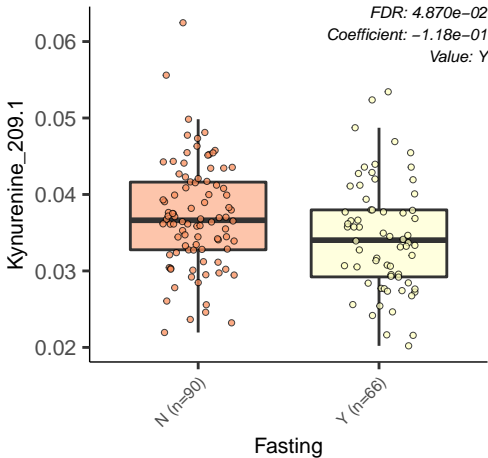
N (n=90)

Y (n=66)

Fasting

FDR: 4.634e-02
Coefficient: -1.38e-01
Value: Y





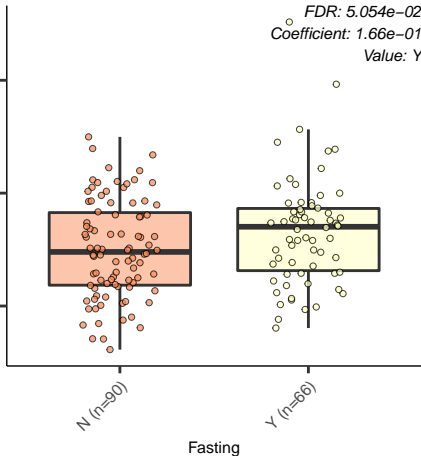
X3.Methyl.2.Oxovaleate_129.1

FDR: 5.054e-02
Coefficient: 1.66e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



X10.HAD_185.1

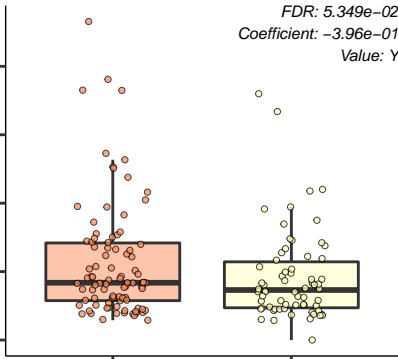
FDR: 5.349e-02
Coefficient: -3.96e-01
Value: Y

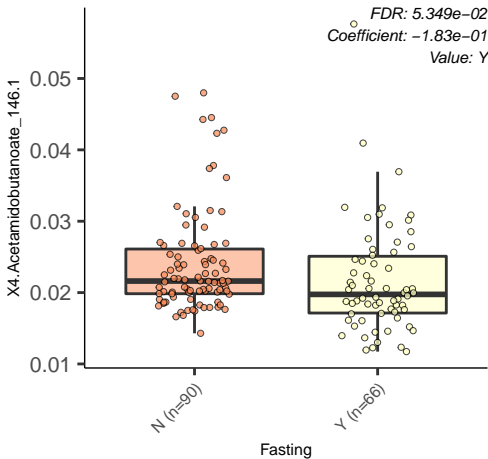
N (n=90)

Y (n=66)

Fasting

0.04
0.03
0.02
0.01
0.00





Indole.3.Methyl.Acetate_190.1

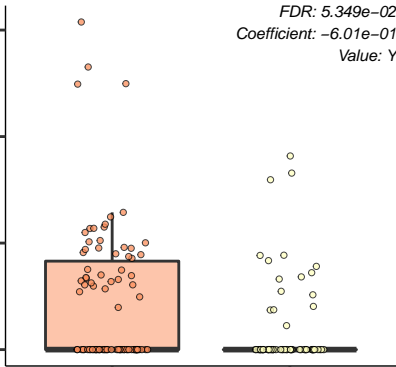
0.006
0.004
0.002
0.000

FDR: 5.349e-02
Coefficient: -6.01e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



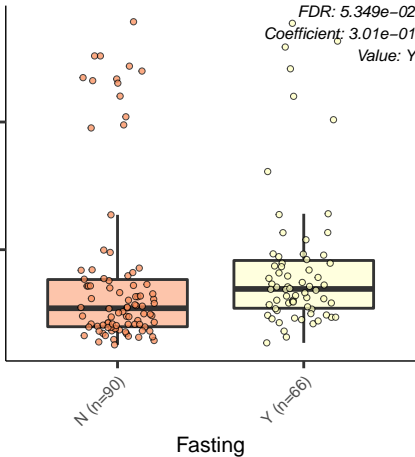
Stearic.acid_283.3

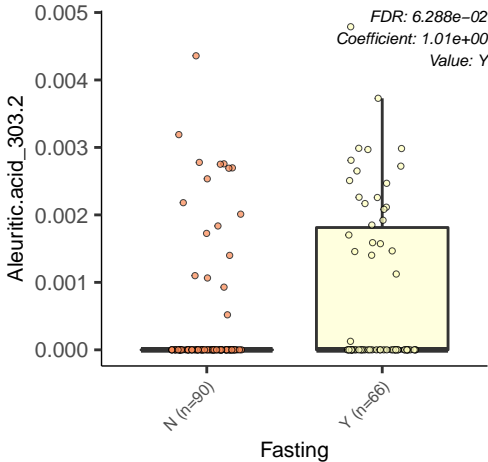
FDR: 5.349e-02
Coefficient: 3.01e-01
Value: Y

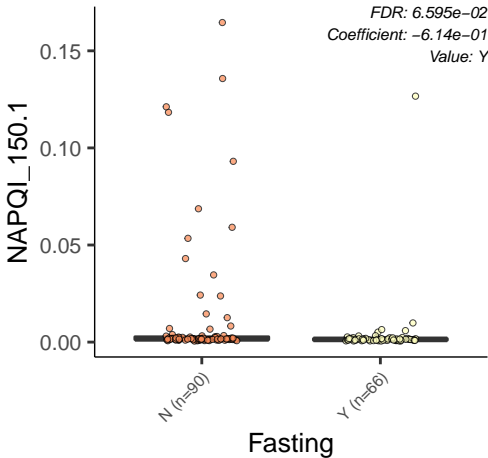
N (n=90)

Y (n=66)

Fasting







Ribose_149

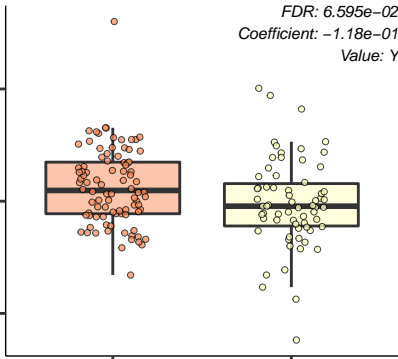
0.03
0.02
0.01

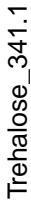
N (n=90)

Y (n=66)

Fasting

FDR: $6.595e-02$
Coefficient: $-1.18e-01$
Value: Y

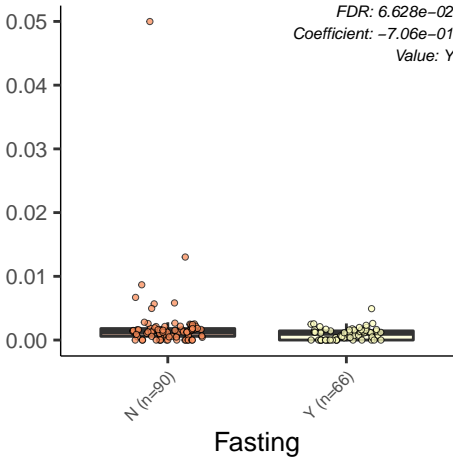


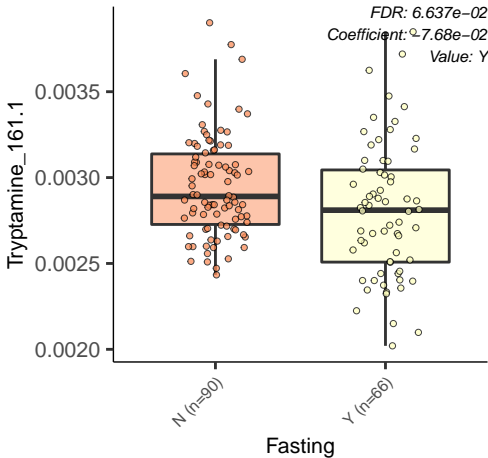


FDR: 6.628e-02

Coefficient: $-7.06e-01$

Value: Y





N.Acetyl.L.glutamine_189.1

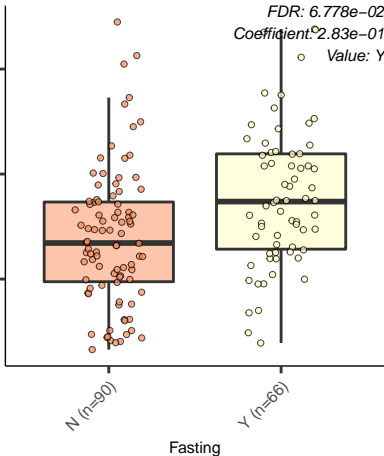
0.0075
0.0050
0.0025

N (n=90)

Y (n=66)

Fasting

FDR: 6.778e-02
Coefficient: 2.83e-01
Value: Y



Deoxycholate_391.3

FDR: 6.889e-02
Coefficient: -3.18e-01
Value: Y

0.06

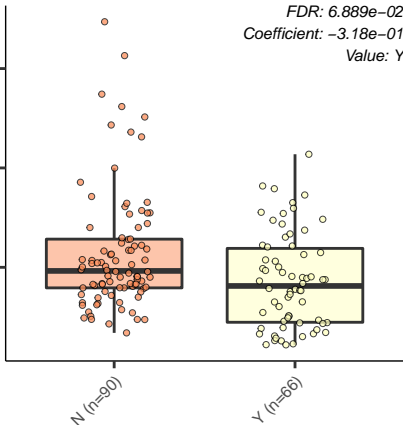
0.04

0.02

N (n=90)

Y (n=66)

Fasting



Glucose_179.1

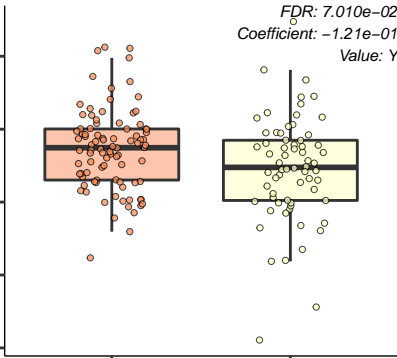
1.25
1.00
0.75
0.50
0.25

N (n=90)

Y (n=66)

Fasting

$FDR: 7.010e-02$
 $Coefficient: -1.21e-01$
 $Value: Y$



Trimethyllysine_189.2

FDR: 7.860e-02

Coefficient: -1.62e-01

Value: Y

0.04

0.03

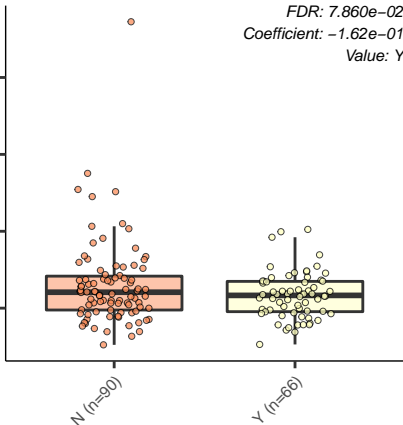
0.02

0.01

N (n=90)

Y (n=66)

Fasting



Alpha.Tocopherol_429.4

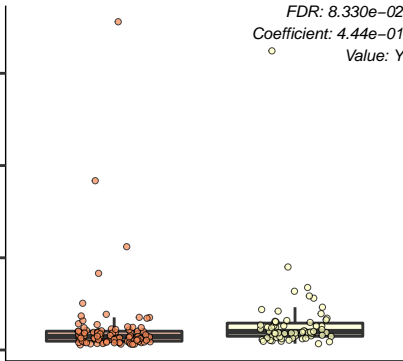
FDR: 8.330e-02
Coefficient: 4.44e-01
Value: Y

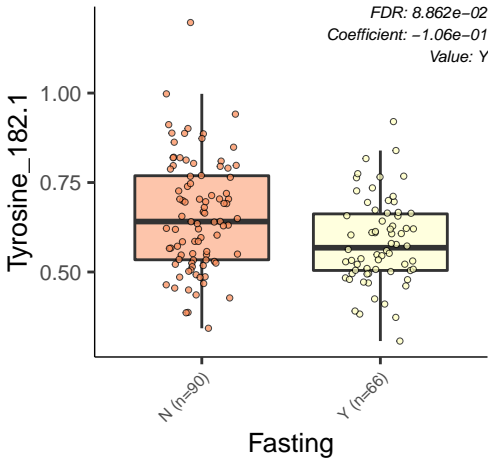
0.15
0.10
0.05
0.00

N (n=90)

Y (n=66)

Fasting





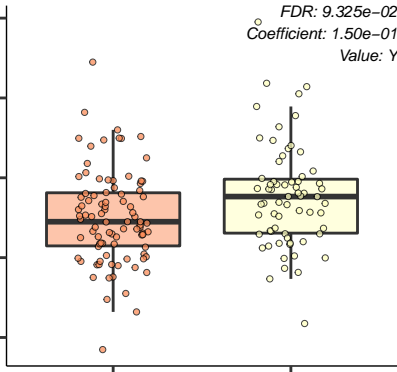
X2.Hydroxyhexadecanoic.acid_271.2

FDR: 9.325e-02
Coefficient: 1.50e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



Glucosamine_180.1

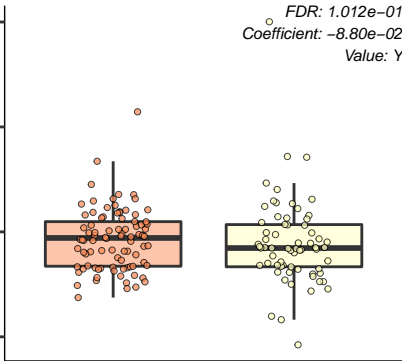
FDR: 1.012e-01
Coefficient: -8.80e-02
Value: Y

0.04
0.03
0.02
0.01

N (n=90)

Y (n=66)

Fasting



Rhamnose_163.1

FDR: 1.012e-01

Coefficient: -2.60e-01

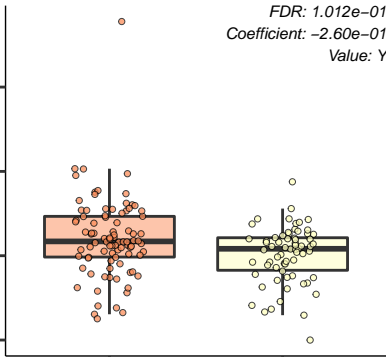
Value: Y

N (n=90)

Y (n=66)

Fasting

0.015
0.010
0.005
0.000



X5.Aminopentanoate_118.1

FDR: 1.016e-01
Coefficient: -9.52e-02
Value: Y

0.06

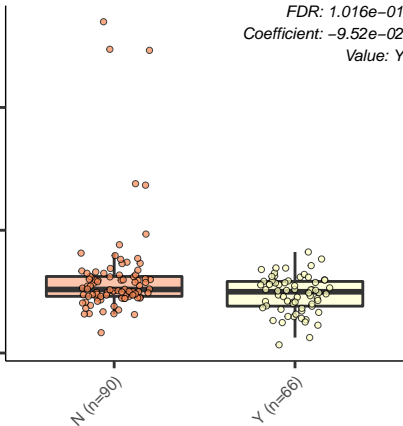
0.04

0.02

N (n=90)

Y (n=66)

Fasting



Omega.Hydroxydodecanoate_215.2

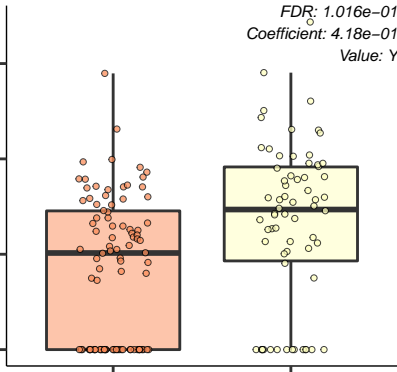
FDR: 1.016e-01
Coefficient: 4.18e-01
Value: Y

0.006
0.004
0.002
0.000

N (n=90)

Y (n=66)

Fasting



Lignoceric.acid_367.4

FDR: 1.037e-01
Coefficient: -4.12e-01
Value: Y

0.004

0.003

0.002

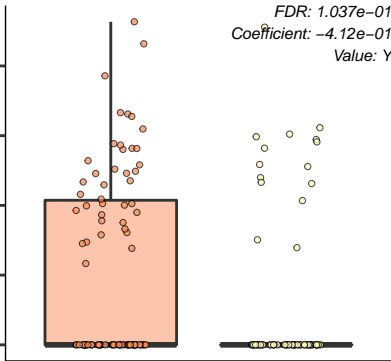
0.001

0.000

N (n=90)

Y (n=66)

Fasting



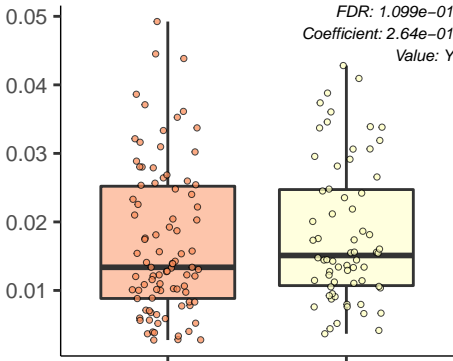
Aspartate_134

FDR: 1.099e-01
Coefficient: 2.64e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



Octanoic.acid_143.1

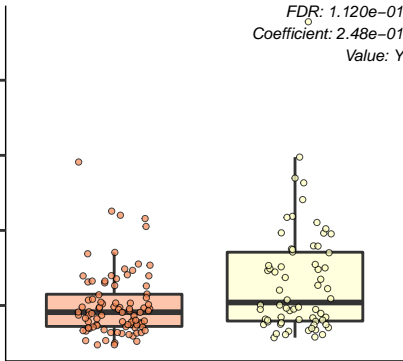
FDR: 1.120e-01
Coefficient: 2.48e-01
Value: Y

1.00
0.75
0.50
0.25

N (n=90)

Y (n=66)

Fasting



X3.Hydroxymethylglutarate_161

0.016

0.012

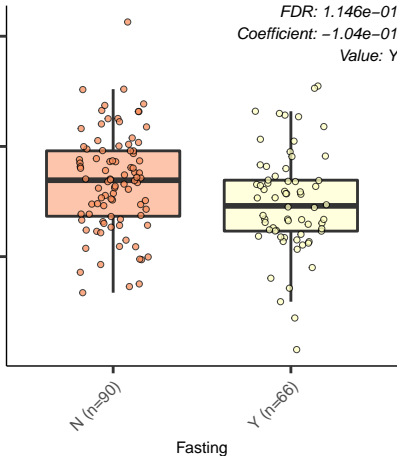
0.008

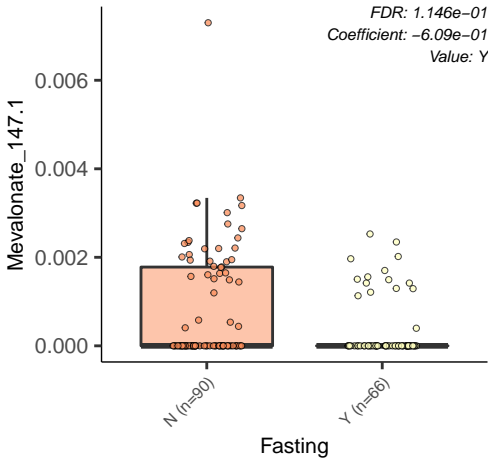
N (n=90)

Y (n=66)

Fasting

FDR: 1.146e-01
Coefficient: -1.04e-01
Value: Y





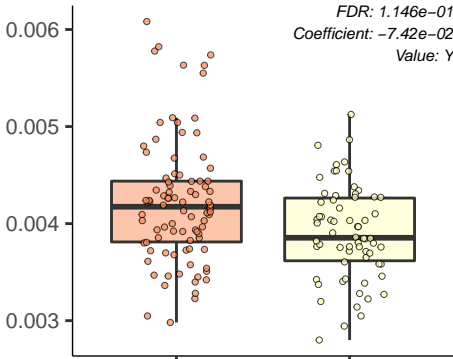
Nicotinate_124

FDR: $1.146e-01$
Coefficient: $-7.42e-02$
Value: Y

N (n=90)

Y (n=66)

Fasting



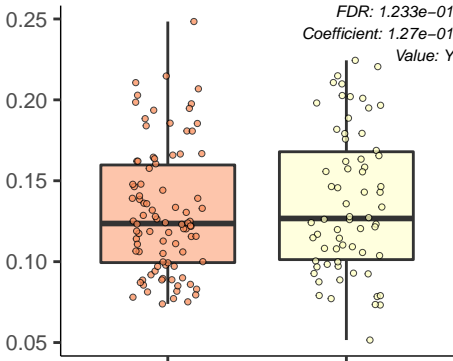
Lysine_147.1

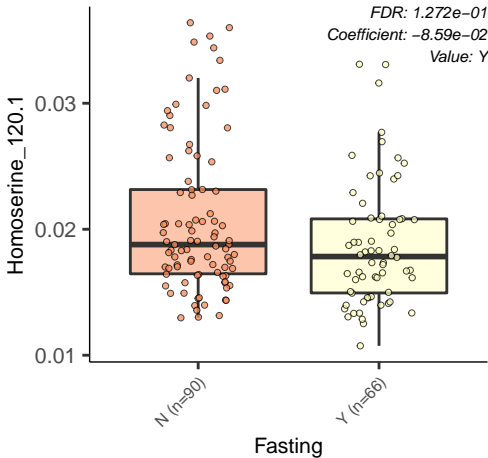
FDR: 1.233e-01
Coefficient: 1.27e-01
Value: Y

N (n=90)

Y (n=66)

Fasting





Threonine_120.1

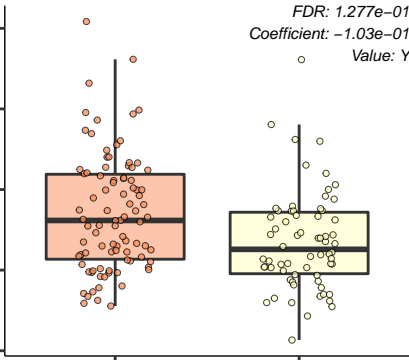
1.0
0.8
0.6
0.4
0.2

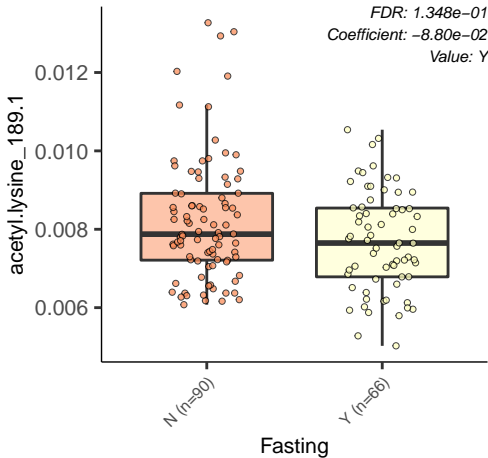
FDR: 1.277e-01
Coefficient: -1.03e-01
Value: Y

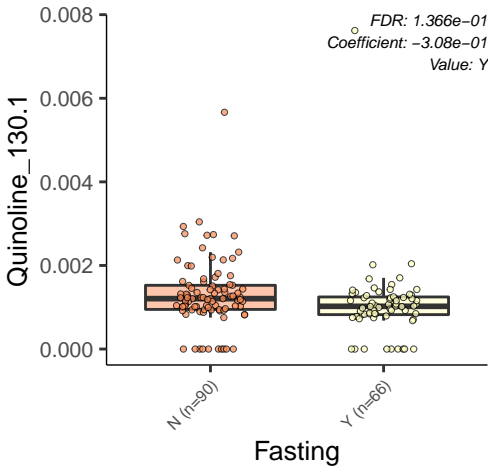
N (n=90)

Y (n=66)

Fasting







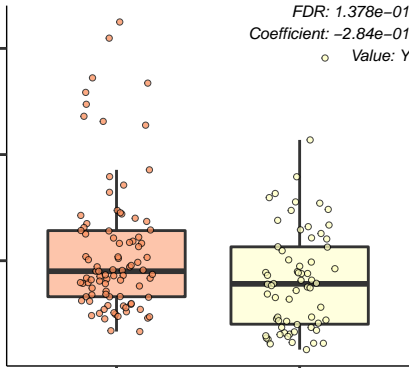
Bis.2.Ethylhexyl.Phtalate_391.3

FDR: 1.378e-01
Coefficient: -2.84e-01
Value: Y

N (n=90)

Y (n=66)

Fasting



Tetradecanoylcarnitine_372.3

FDR: 1.386e-01
Coefficient: 6.69e-01
Value: Y

0.010

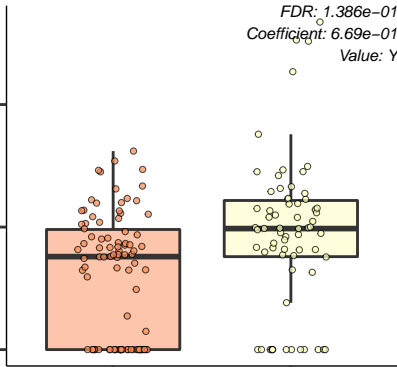
0.005

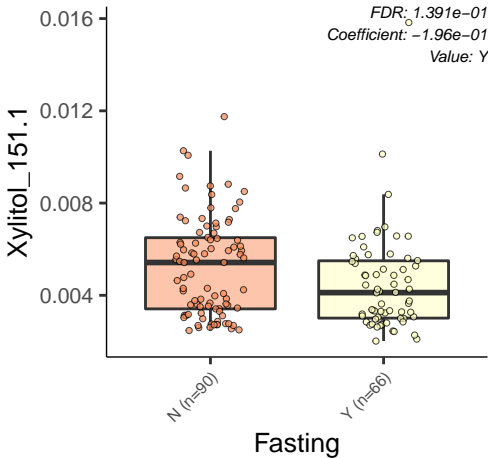
0.000

N (n=90)

Y (n=66)

Fasting





N.Acetylserine_146

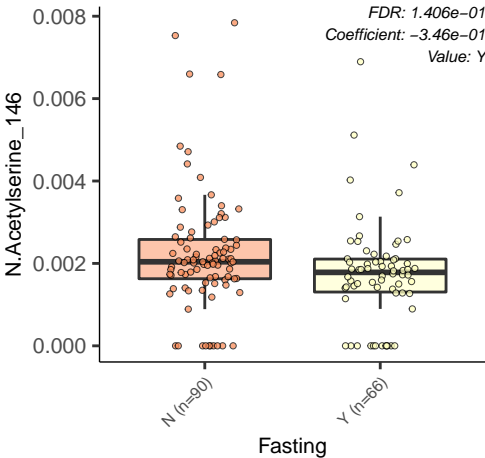
FDR: $1.406e-01$
Coefficient: $-3.46e-01$
Value: Y

0.008
0.006
0.004
0.002
0.000

N (n=90)

Y (n=66)

Fasting



Glycolate_75

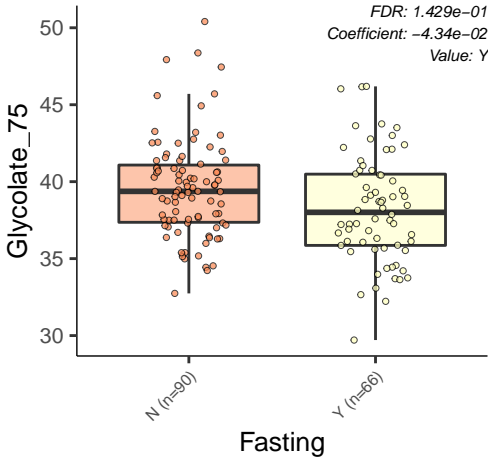
50
45
40
35
30

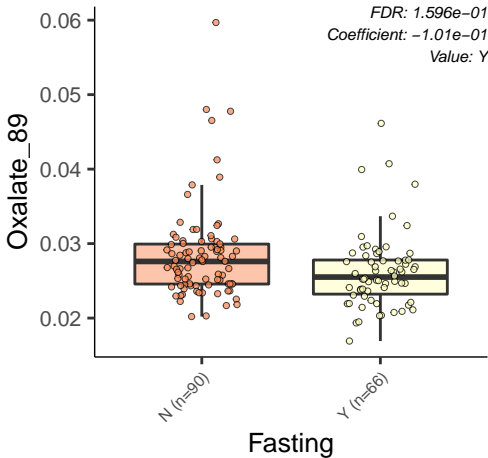
N (n=90)

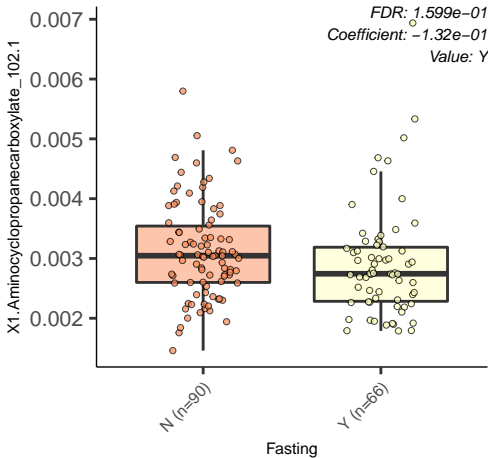
FDR: 1.429e-01
Coefficient: -4.34e-02
Value: Y

Y (n=66)

Fasting







GABA_104.1

FDR: 1.651e-01

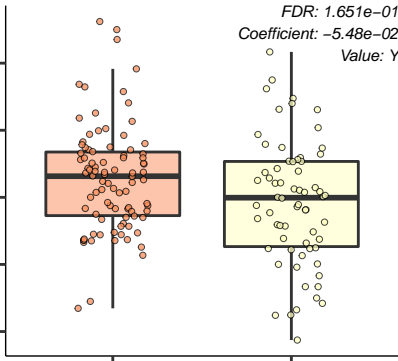
Coefficient: -5.48e-02

Value: Y

N (n=90)

Y (n=66)

Fasting



X2.Deoxy.D.Glucose_163.1

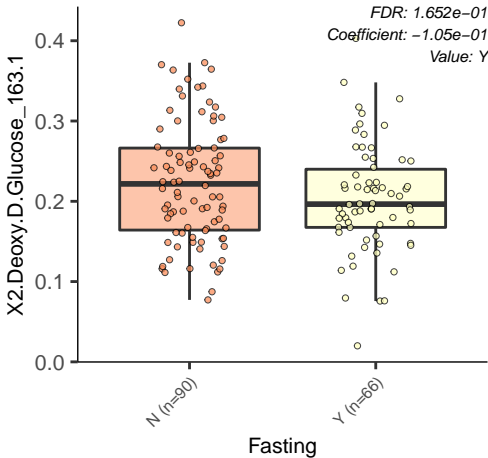
0.4
0.3
0.2
0.1
0.0

N (n=90)

Y (n=66)

Fasting

FDR: 1.652e-01
Coefficient: -1.05e-01
Value: Y



Dopamine_154.1

0.006

0.005

0.004

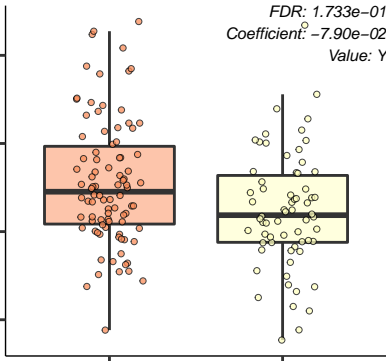
0.003

N (n=90)

Y (n=66)

Fasting

FDR: $1.733\text{e-}01$
Coefficient: $-7.90\text{e-}02$
Value: Y



Xanthine_151

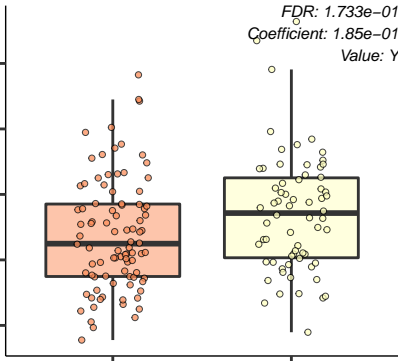
FDR: 1.733e-01
Coefficient: 1.85e-01
Value: Y

0.05
0.04
0.03
0.02
0.01

N (n=90)

Y (n=66)

Fasting



Azelate_187.1

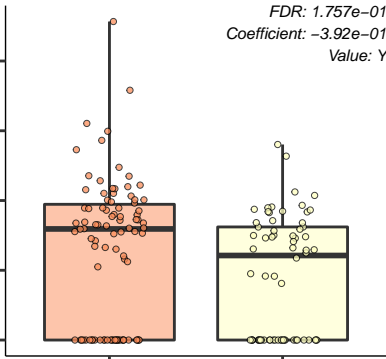
FDR: 1.757e-01
Coefficient: -3.92e-01
Value: Y

N (n=90)

Y (n=66)

Fasting

0.004
0.003
0.002
0.001
0.000



X2.Hydroxytetradecanoic.acid_243.2

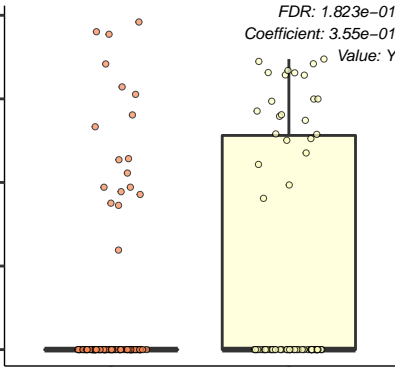
0.004
0.003
0.002
0.001
0.000

N (n=90)

Y (n=66)

Fasting

FDR: 1.823e-01
Coefficient: 3.55e-01
Value: Y



Methylglutarate_145.1

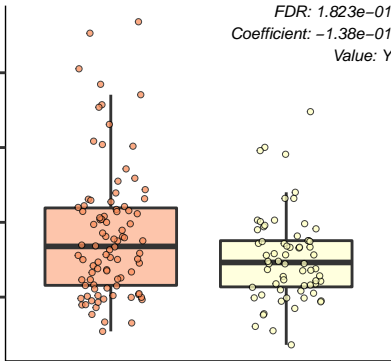
FDR: 1.823e-01
Coefficient: -1.38e-01
Value: Y

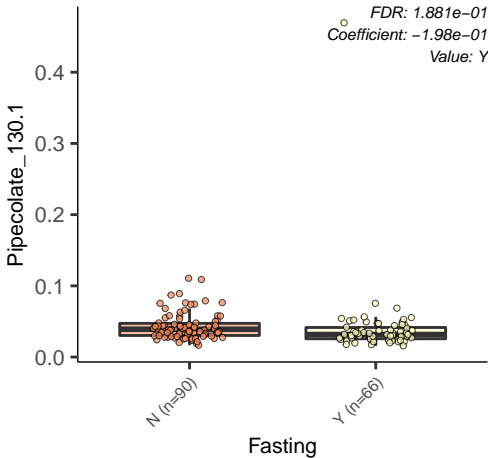
0.005
0.004
0.003
0.002

N (n=90)

Y (n=66)

Fasting





Threitol_121.1

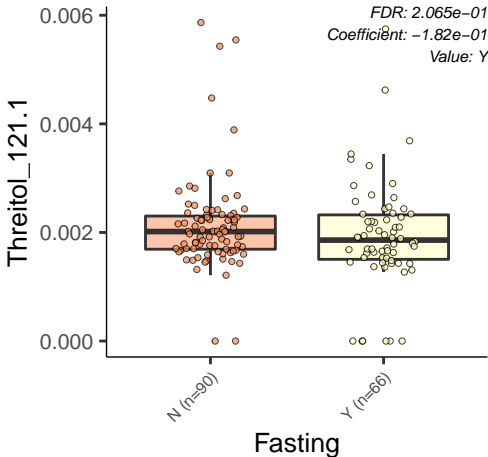
0.006
0.004
0.002
0.000

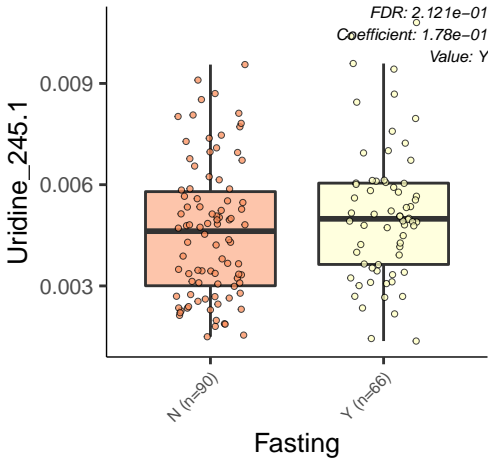
N (n=90)

Y (n=66)

Fasting

FDR: 2.065e-01
Coefficient: -1.82e-01
Value: Y





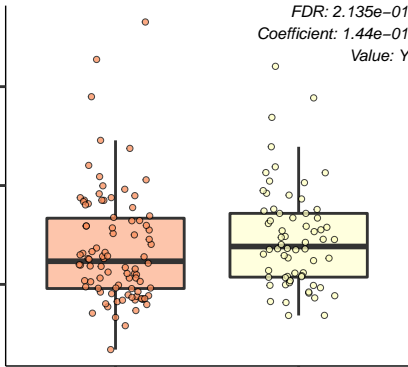
Beta.hydroxyvaleric.Acid_117.1

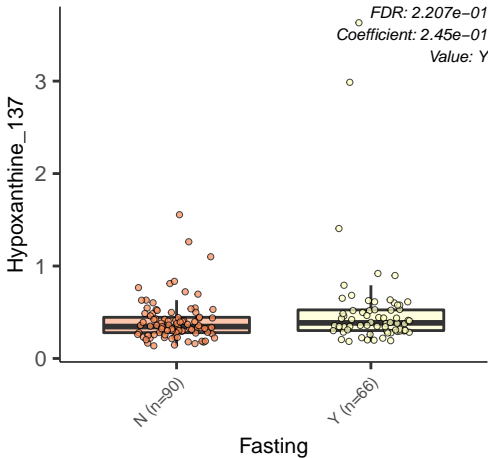
FDR: 2.135e-01
Coefficient: 1.44e-01
Value: Y

N (n=90)

Y (n=66)

Fasting





N.Acetylasparagine_175.1

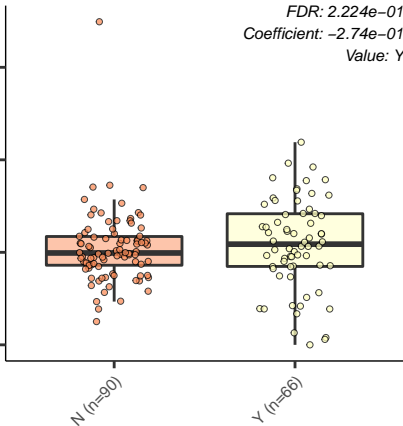
FDR: 2.224e-01
Coefficient: -2.74e-01
Value: Y

0.06
0.04
0.02
0.00

N (n=90)

Y (n=66)

Fasting



N.Acetyltryptophan_247.1

0.008

0.006

0.004

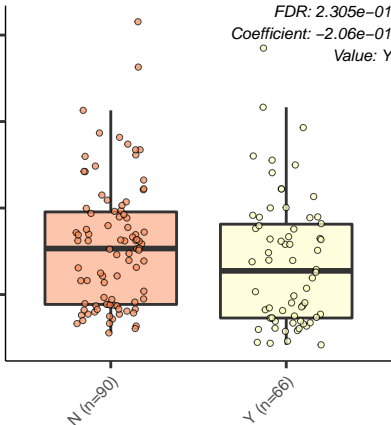
0.002

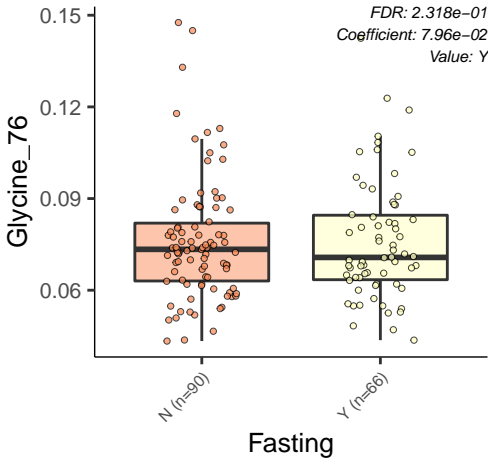
N (n=90)

Y (n=66)

Fasting

FDR: 2.305e-01
Coefficient: -2.06e-01
Value: Y





Thiopurine.S.Methylether_167

0.006

0.004

0.002

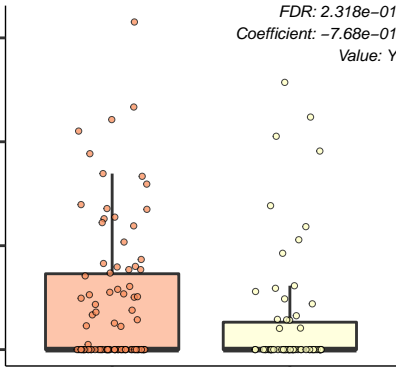
0.000

N (n=90)

Y (n=66)

Fasting

FDR: 2.318e-01
Coefficient: -7.68e-01
Value: Y



X4.Aminobenzoate_136

FDR: 2.402e-01
Coefficient: 4.47e-01
Value: Y

N (n=90)

Y (n=66)

Fasting

0.0025
0.0020
0.0015
0.0010
0.0005
0.0000

