

Glycochenodeoxycholate_448.3

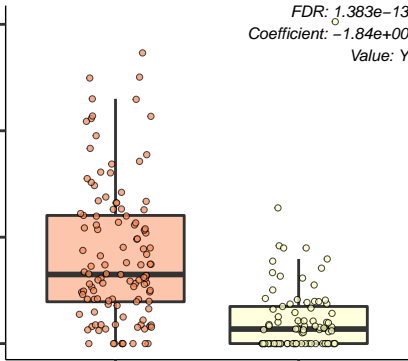
FDR: $1.383\text{e-}13$
Coefficient: $-1.84\text{e}+00$
Value: Y

0.06
0.04
0.02
0.00

N (n=117)

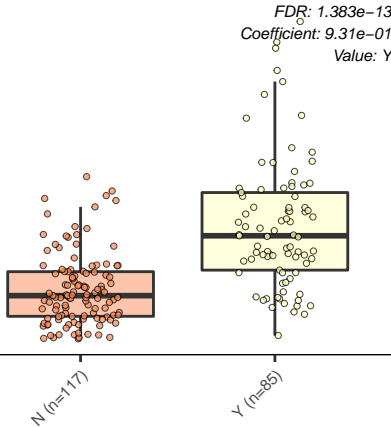
Y (n=85)

Fasting



Linoleic.acid_279.2

FDR: 1.383e-13
Coefficient: 9.31e-01
Value: Y



Fasting

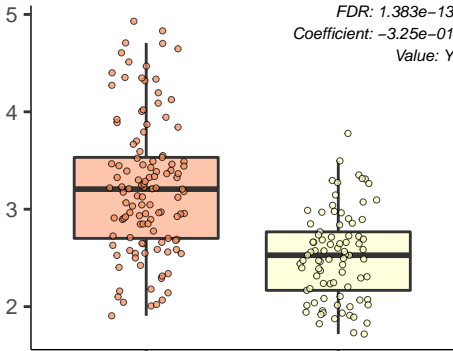
Proline_116.1

FDR: $1.383e-13$
Coefficient: $-3.25e-01$
Value: Y

N (n=117)

Y (n=85)

Fasting



Fructose_179.1

FDR: 1.949e-13
Coefficient: -1.25e+00
Value: Y

0.10

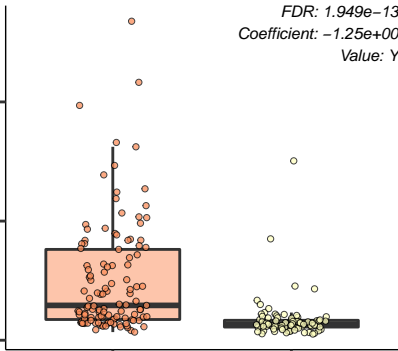
0.05

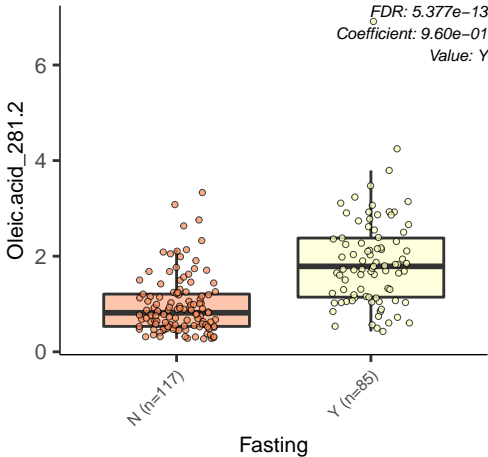
0.00

N (n=117)

Y (n=85)

Fasting





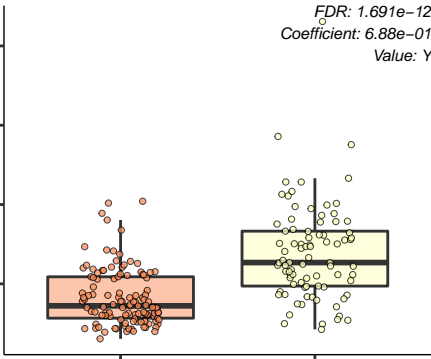
Palmitic.acid_255.2

FDR: $1.691e-12$
Coefficient: $6.88e-01$
Value: Y

N (n=117)

Y (n=85)

Fasting



Palmitoleic.acid_253.2

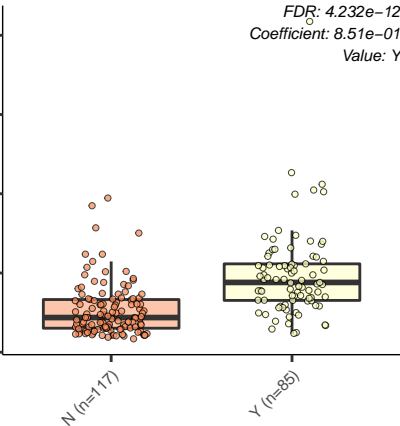
FDR: 4.232e-12
Coefficient: 8.51e-01
Value: Y

1.00
0.75
0.50
0.25
0.00

N (n=117)

Y (n=85)

Fasting



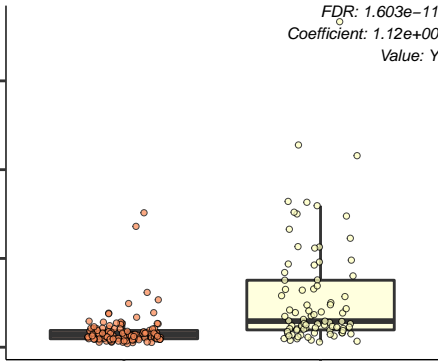
X3.hydroxybutyric.acid_103

FDR: $1.603e-11$
Coefficient: $1.12e+00$
Value: Y

N (n=117)

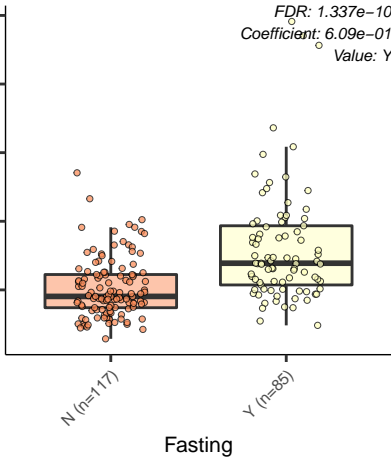
Y (n=85)

Fasting



Hexanoyl.carnitine_260.2

FDR: 1.337e-10
Coefficient: 6.09e-01
Value: Y



Fasting

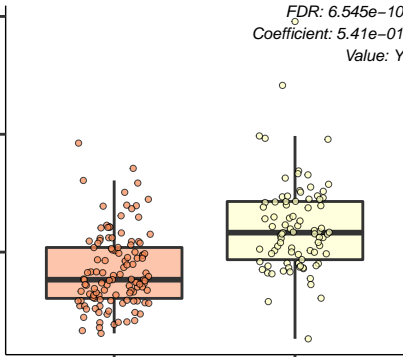
Arachidonic.acid_303.2

FDR: 6.545e-10
Coefficient: 5.41e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



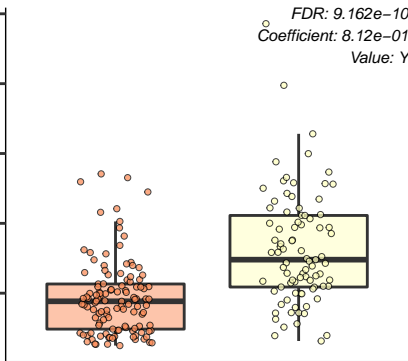
cis.11.Eicosenoic.acid_309.3

FDR: 9.162×10^{-10}
Coefficient: 8.12×10^{-1}
Value: Y

N (n=117)

Y (n=85)

Fasting



Glycerol.Myristate_301.2

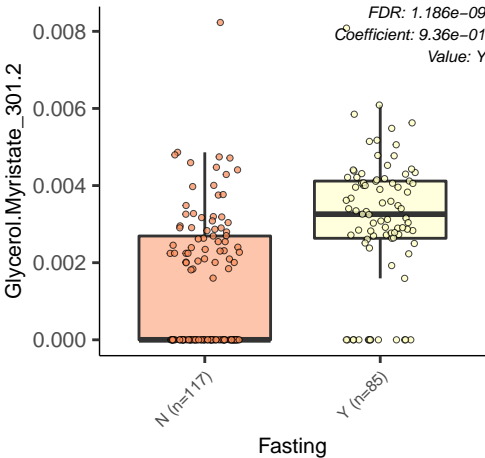
0.008
0.006
0.004
0.002
0.000

FDR: 1.186e-09
Coefficient: 9.36e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



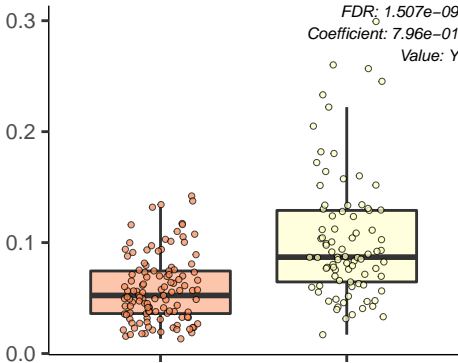
Ximeninic.Acid_277.2

FDR: 1.507e-09
Coefficient: 7.96e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



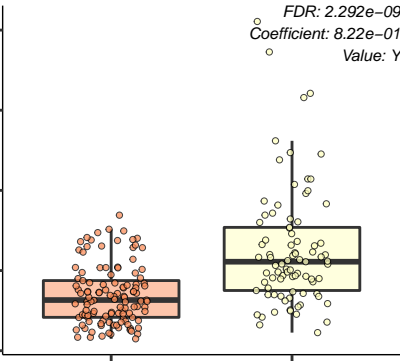
Linolenic.acid_277.2

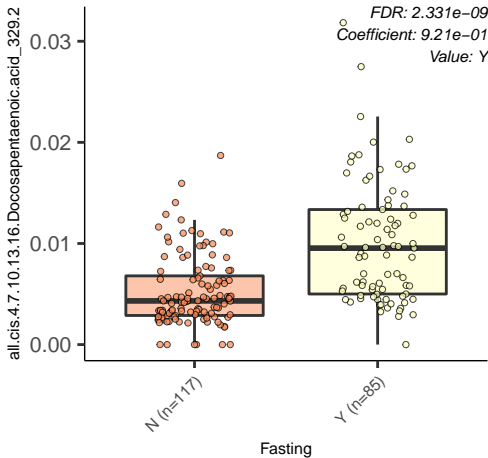
FDR: 2.292e-09
Coefficient: 8.22e-01
Value: Y

N (n=117)

Y (n=85)

Fasting





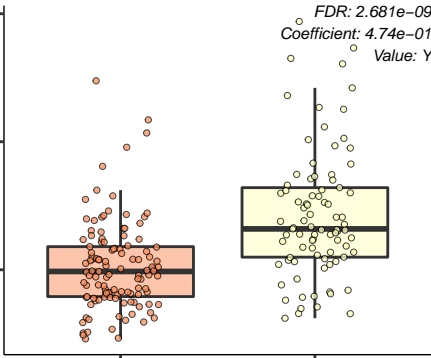
acetyl.carnitine_204.1

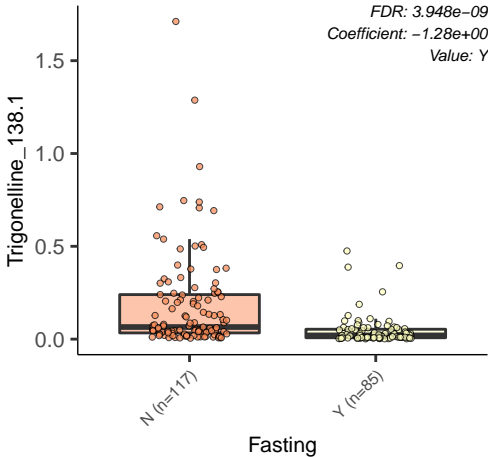
FDR: 2.681e-09
Coefficient: 4.74e-01
Value: Y

N (n=117)

Y (n=85)

Fasting





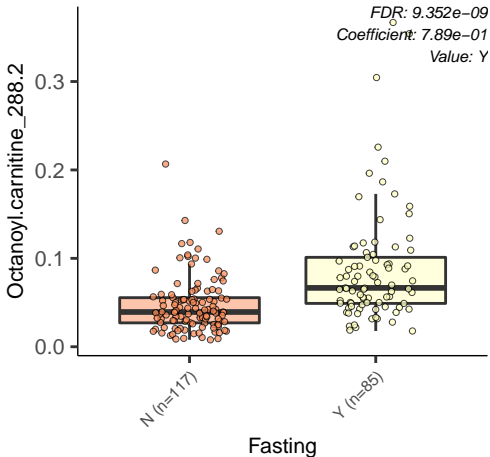
Octanoyl.carnitine_288.2

FDR: $9.352e-09$
Coefficient: $7.89e-01$
Value: Y

N (n=117)

Y (n=85)

Fasting



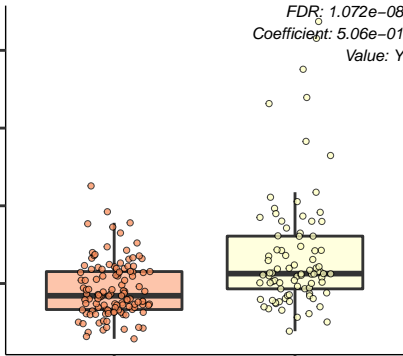
N.Acetylglycine_116

FDR: 1.072e-08
Coefficient: 5.06e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



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

FDR: 1.850e-08
Coefficient: 7.32e-01
Value: Y

0.03

0.02

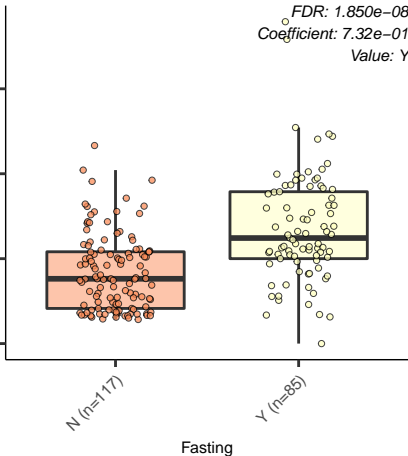
0.01

0.00

N (n=117)

Y (n=85)

Fasting



cis.10.Nonadecenoic.acid_295.3

FDR: 2.149e-08
Coefficient: 9.10e-01
Value: Y

0.010

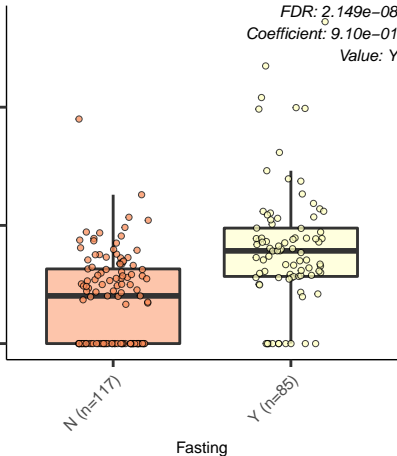
0.005

0.000

N (n=117)

Y (n=85)

Fasting



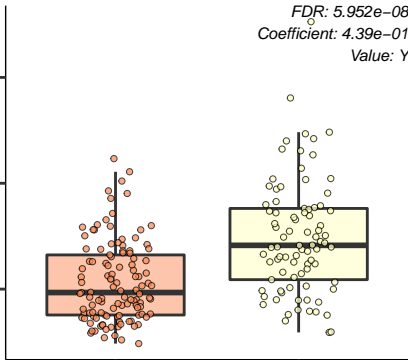
X14.Methylhexadecanoic.acid_269.2

FDR: 5.952e-08
Coefficient: 4.39e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



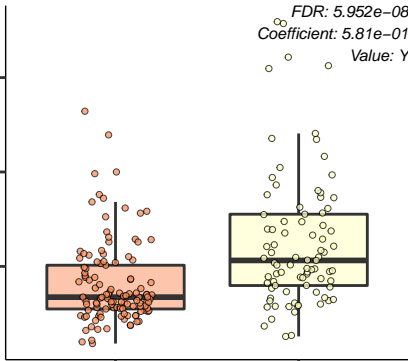
Docosahexaenoic.acid_327.2

FDR: 5.952e-08
Coefficient: 5.81e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



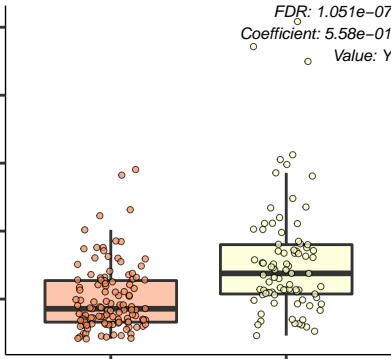
Myristoleic.acid_225.2

FDR: 1.051e-07
Coefficient: 5.58e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



Caffeine_195.1

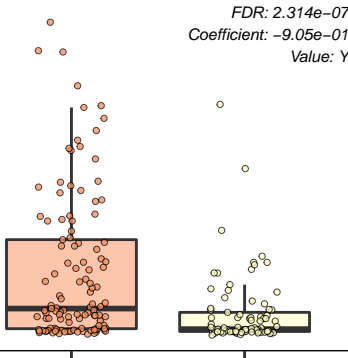
0.100
0.075
0.050
0.025
0.000

N (n=117)

Y (n=85)

Fasting

FDR: $2.314e-07$
Coefficient: $-9.05e-01$
Value: Y



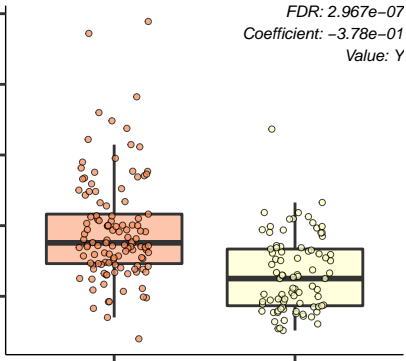
Propionyl.carnitine_218.1

FDR: 2.967e-07
Coefficient: -3.78e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



cis.5.Dodecenoic.acid_197.2

FDR: 3.292e-07
Coefficient: 8.92e-01
Value: Y

0.04

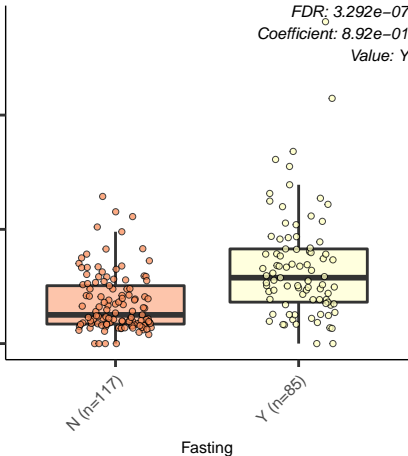
0.02

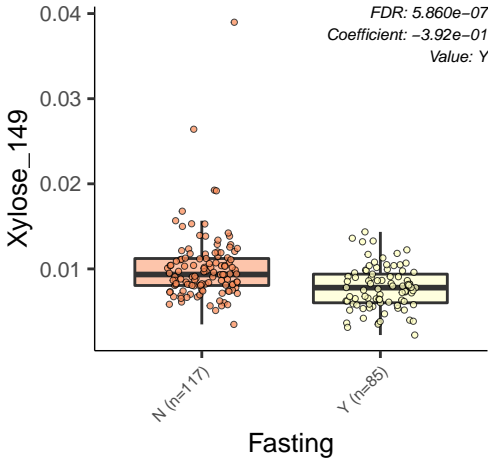
0.00

N (n=117)

Y (n=85)

Fasting





Hippurate_178.1

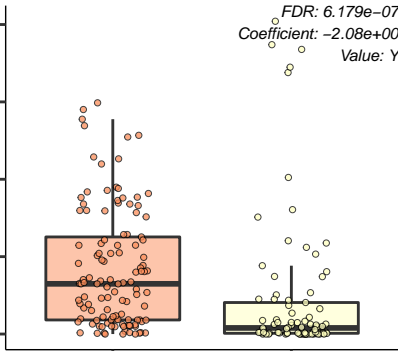
0.20
0.15
0.10
0.05
0.00

FDR: 6.179e-07
Coefficient: -2.08e+00
Value: Y

N (n=117)

Y (n=85)

Fasting



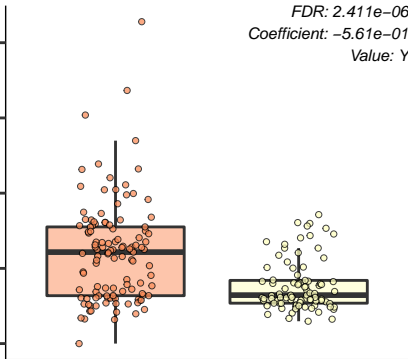
X3..4.Hydroxyphenyl.Pyruvate_179

FDR: 2.411e-06
Coefficient: -5.61e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



Mannitol_181.1

FDR: 2.953e-06

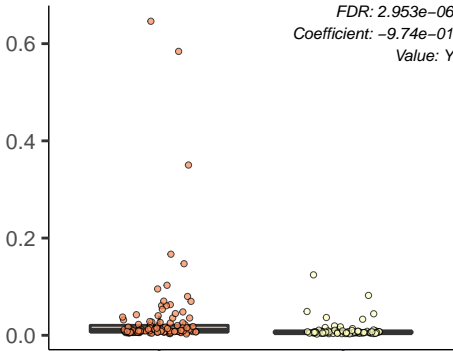
Coefficient: -9.74e-01

Value: Y

N (n=117)

Y (n=85)

Fasting



X4.Guanidinobutanoate_146.1

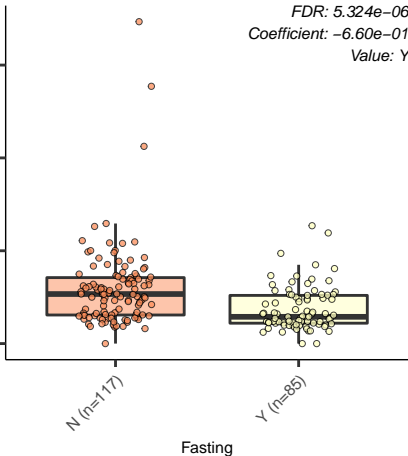
FDR: $5.324e-06$
Coefficient: $-6.60e-01$
Value: Y

0.03
0.02
0.01
0.00

N (n=117)

Y (n=85)

Fasting



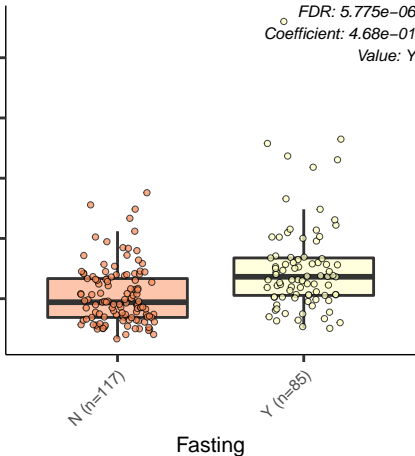
Myristic.acid_227.2

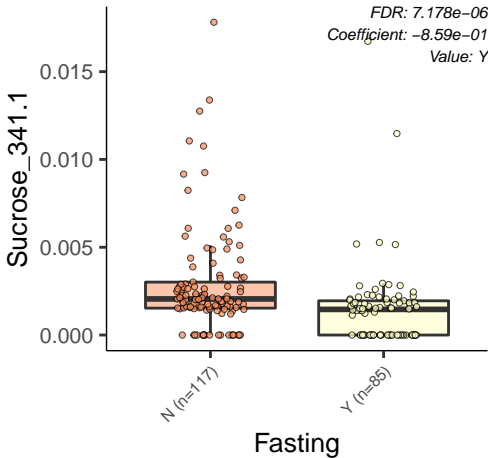
FDR: 5.775e-06
Coefficient: 4.68e-01
Value: Y

N (n=117)

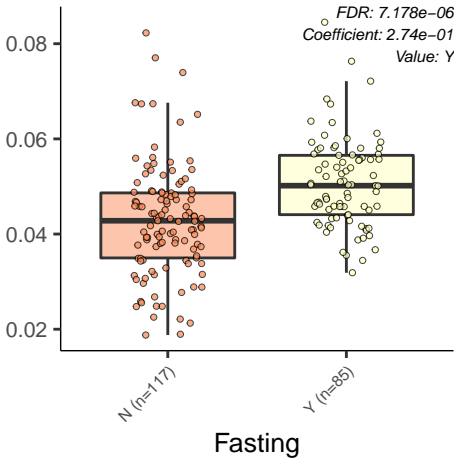
Y (n=85)

Fasting



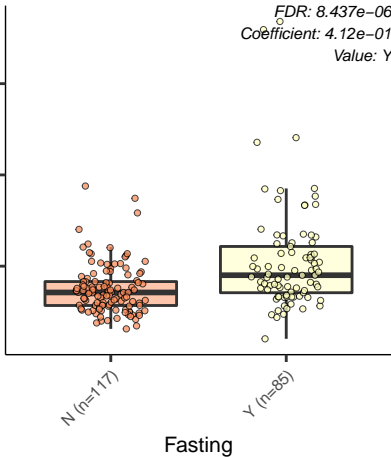


Uridine_243.1



X9.Decenoic.acid_169.1

FDR: $8.437e-06$
Coefficient: $4.12e-01$
Value: Y



Paraxanthine_181.1

0.06

0.04

0.02

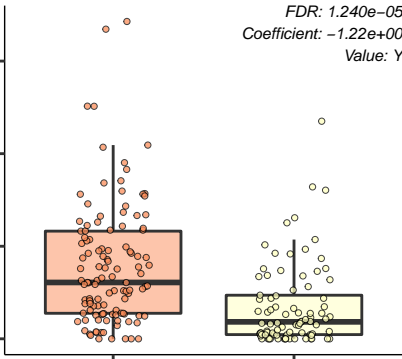
0.00

N (n=117)

Y (n=85)

Fasting

FDR: 1.240e-05
Coefficient: -1.22e+00
Value: Y



Deoxycholate_391.3

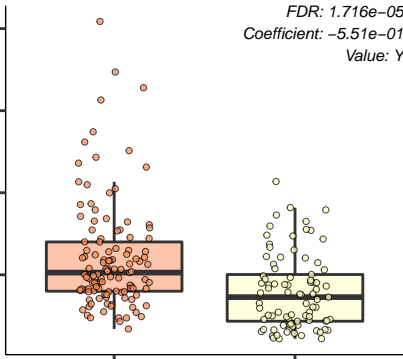
0.08
0.06
0.04
0.02

FDR: 1.716e-05
Coefficient: -5.51e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



Glycocholate_464.3

0.020

0.015

0.010

0.005

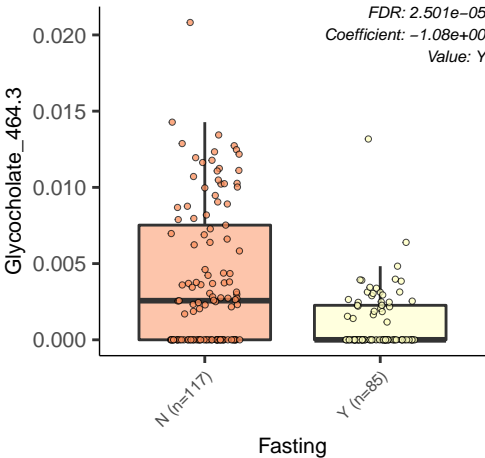
0.000

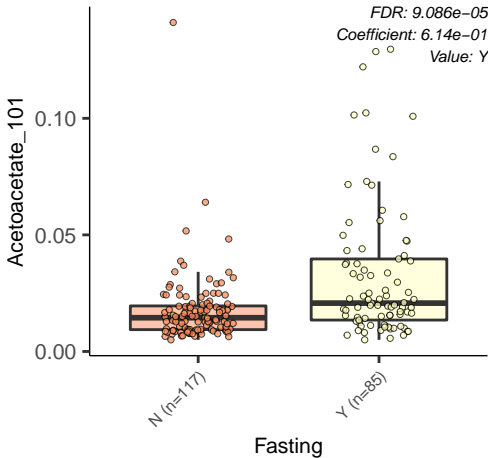
N (n=117)

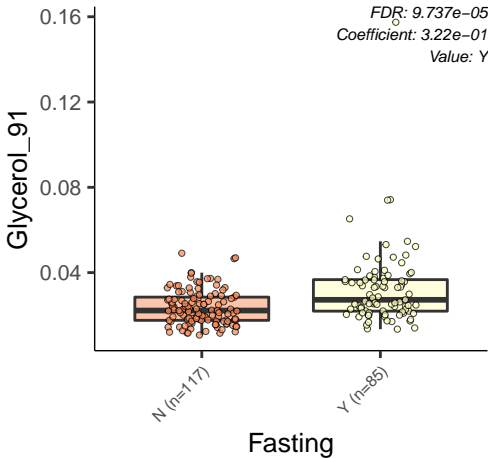
Y (n=85)

Fasting

FDR: 2.501e-05
Coefficient: -1.08e+00
Value: Y







Indole.3.Acetate_174.1

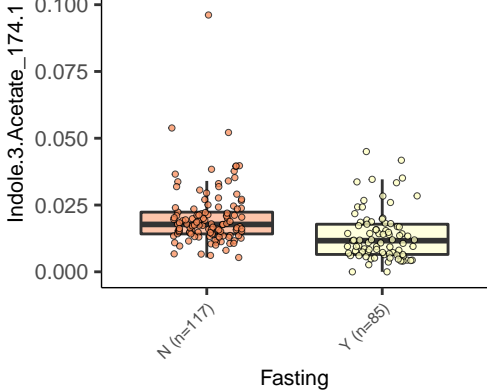
FDR: $1.121e-04$
Coefficient: $-5.16e-01$
Value: Y

0.100
0.075
0.050
0.025
0.000

N (n=117)

Y (n=85)

Fasting



Indole.3.Methyl.Acetate_190.1

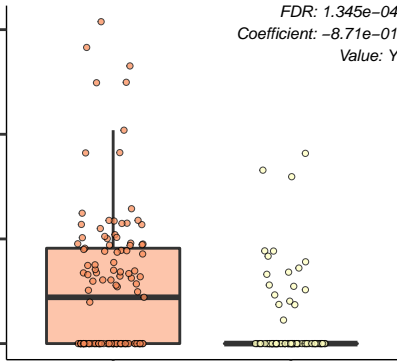
0.006
0.004
0.002
0.000

FDR: 1.345e-04
Coefficient: -8.71e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



Pentadecanoic.acid_241.2

FDR: 2.437e-04
Coefficient: 2.54e-01
Value: Y

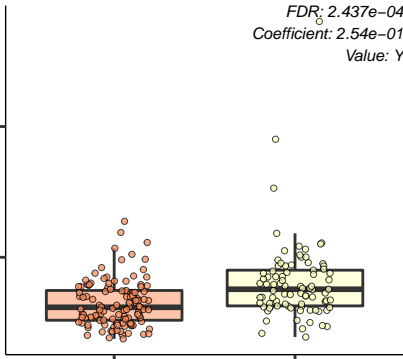
0.10

0.05

N (n=117)

Y (n=85)

Fasting



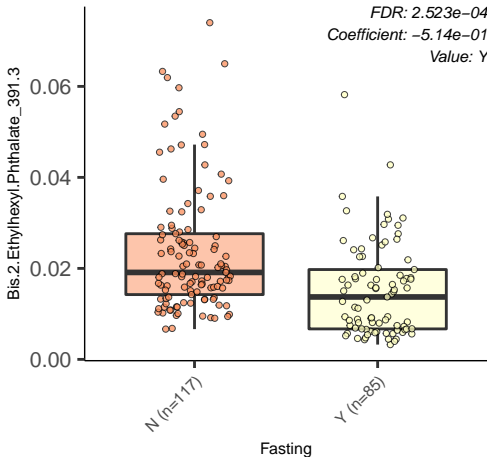
Bis.2.Ethylhexyl.Phthalate_391.3

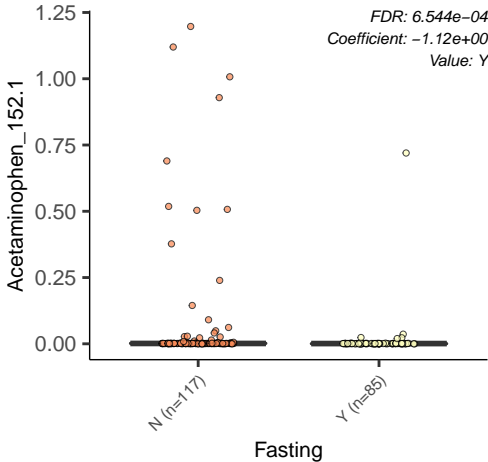
FDR: 2.523e-04
Coefficient: -5.14e-01
Value: Y

N (n=117)

Y (n=85)

Fasting





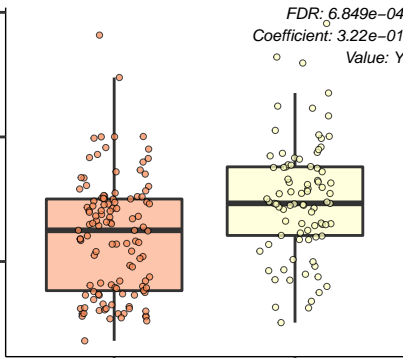
Palmitoyl.carnitine_400.3

FDR: 6.849e-04
Coefficient: 3.22e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



X2.Methylmaleate_129

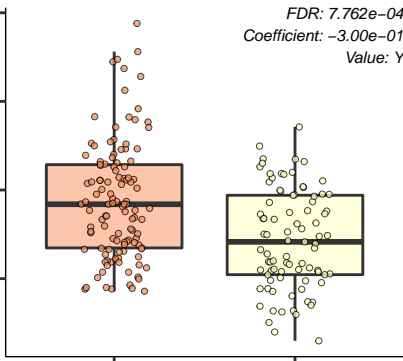
0.08
0.06
0.04
0.02

FDR: 7.762e-04
Coefficient: -3.00e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



Sarcosine_90.1

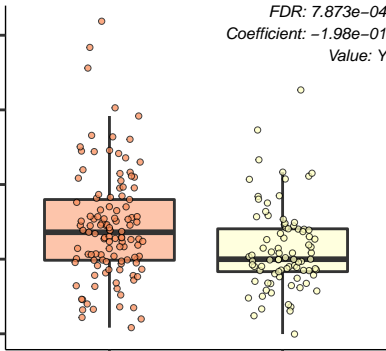
0.025
0.020
0.015
0.010
0.005

FDR: 7.873e-04
Coefficient: -1.98e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



Trehalose_341.1

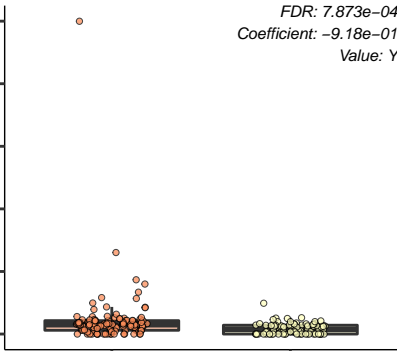
FDR: 7.873e-04
Coefficient: -9.18e-01
Value: Y

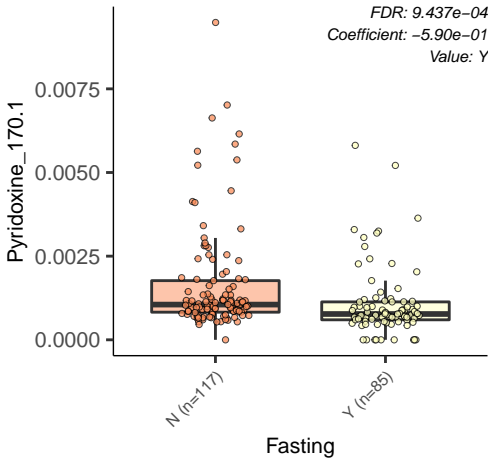
0.05
0.04
0.03
0.02
0.01
0.00

N (n=117)

Y (n=85)

Fasting





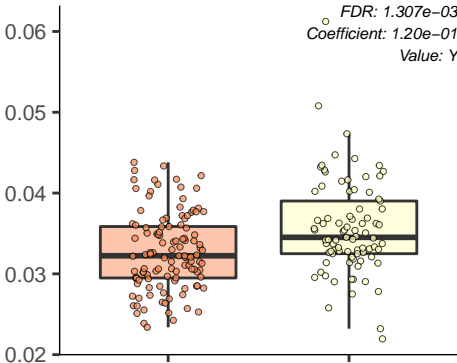
Dimethylarginine_203.2

FDR: 1.307e-03
Coefficient: 1.20e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



Phenylpyruvate_163

0.0075

0.0050

0.0025

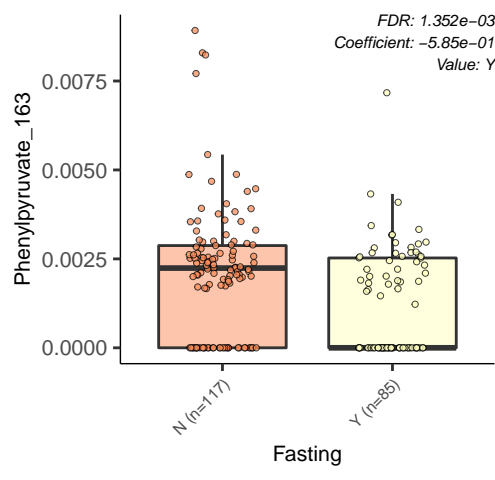
0.0000

N (n=117)

Y (n=85)

Fasting

FDR: 1.352e-03
Coefficient: -5.85e-01
Value: Y



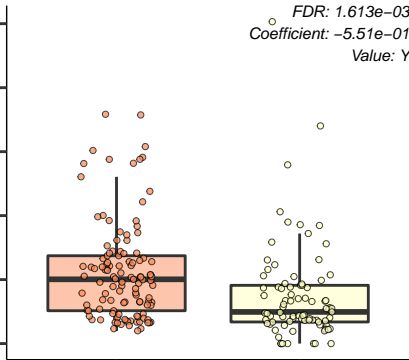
X2.3.Dihydroxybenzoate_153

FDR: 1.613e-03
Coefficient: -5.51e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



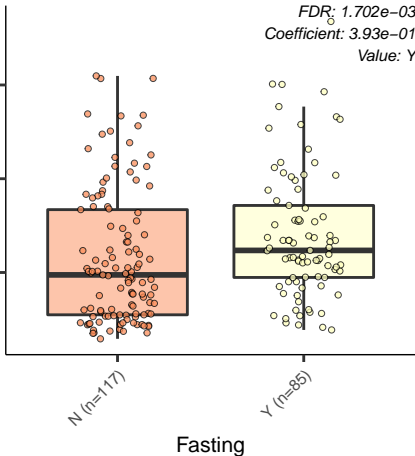
N.Acetylalanine_130.1

FDR: 1.702e-03
Coefficient: 3.93e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



Trans.4.Hydroxy.L.Proline_132.1

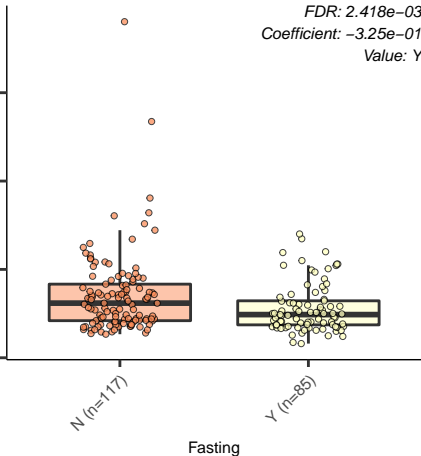
FDR: 2.418e-03
Coefficient: -3.25e-01
Value: Y

0.6
0.4
0.2
0.0

N (n=117)

Y (n=85)

Fasting



Nicotinate_124

FDR: 3.357e-03

Coefficient: -9.81e-02

Value: Y

0.006

0.005

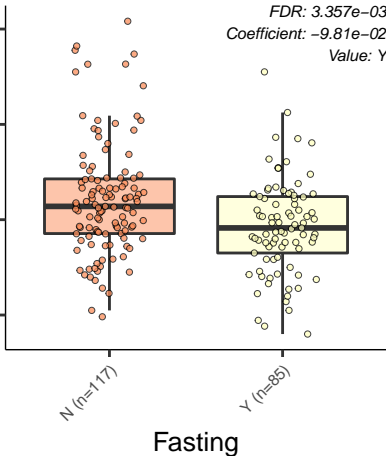
0.004

0.003

N (n=117)

Y (n=85)

Fasting



Alanine_90.1

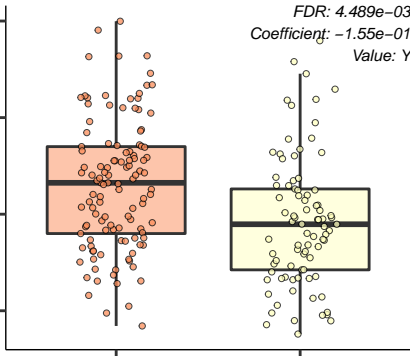
1.0
0.8
0.6
0.4

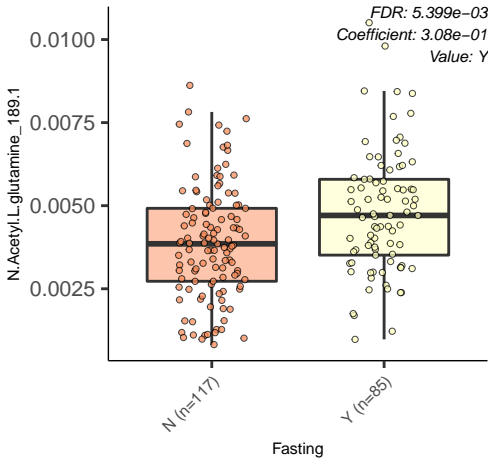
N (n=117)

Y (n=85)

Fasting

FDR: 4.489e-03
Coefficient: -1.55e-01
Value: Y





Betaine_118.1

6

4

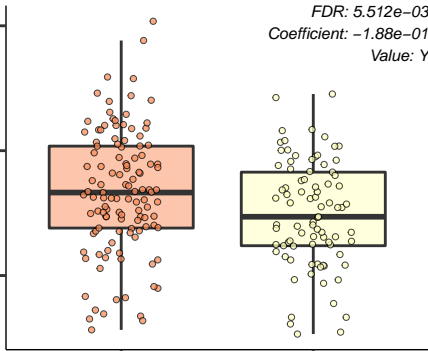
2

N (n=117)

Y (n=85)

Fasting

FDR: $5.512e-03$
Coefficient: $-1.88e-01$
Value: Y



Salicylate_137

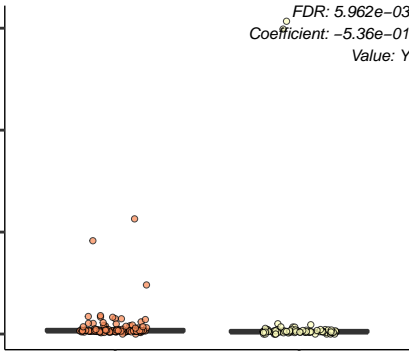
0.3
0.2
0.1
0.0

FDR: 5.962e-03
Coefficient: -5.36e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



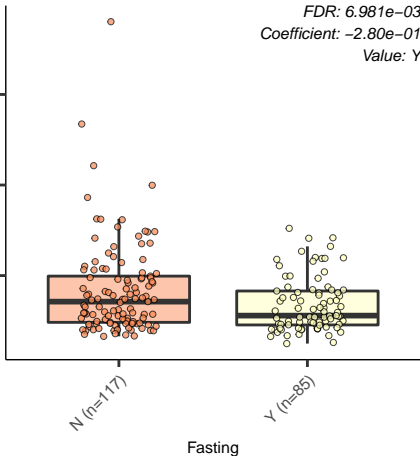
Cis.4.Hydroxy.D.Proline_132.1

FDR: $6.981e-03$
Coefficient: $-2.80e-01$
Value: Y

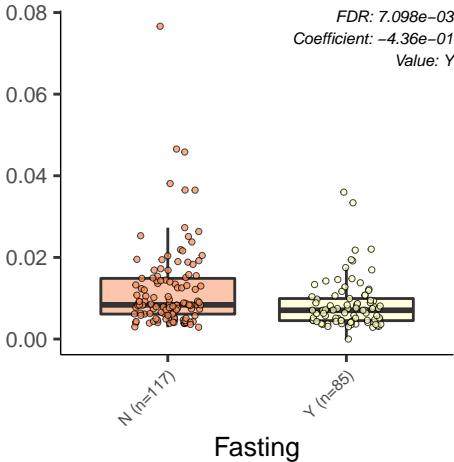
N (n=117)

Y (n=85)

Fasting



X10.HAD_185.1



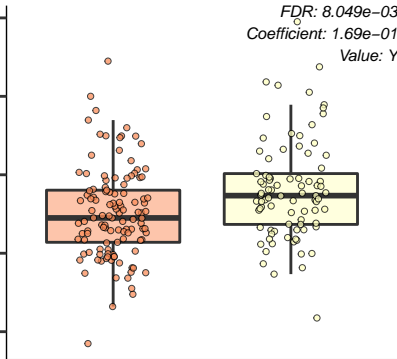
X2.Hydroxyhexadecanoic.acid_271.2

FDR: 8.049e-03
Coefficient: 1.69e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



Tetradecanoylcarnitine_372.3

FDR: 8.749e-03
Coefficient: 8.52e-01
Value: Y

0.010

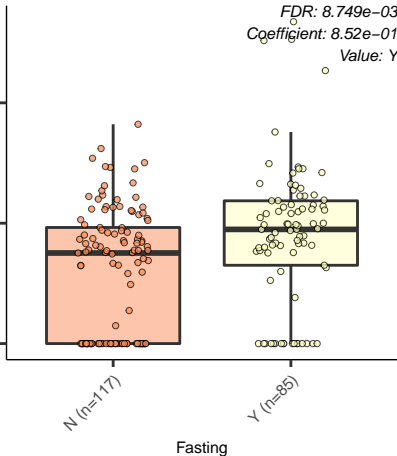
0.005

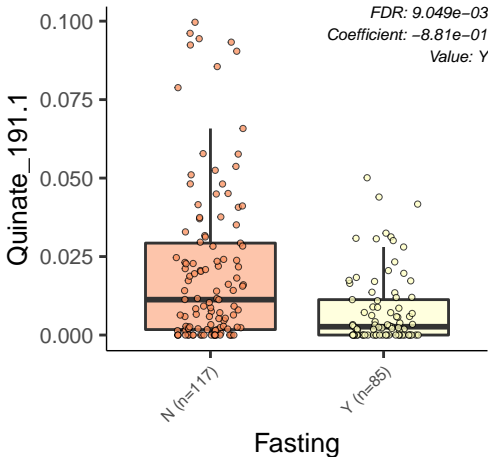
0.000

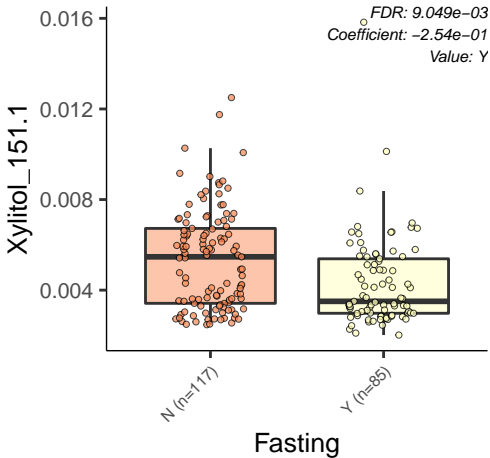
N (n=117)

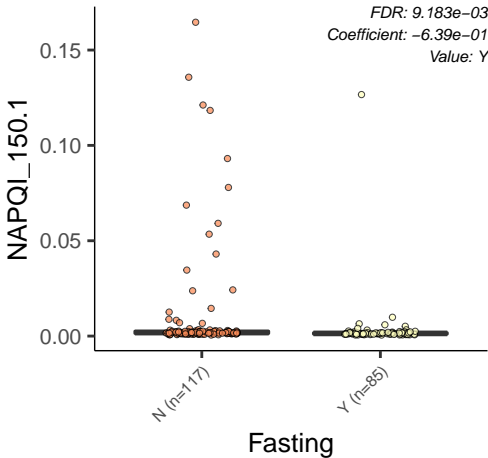
Y (n=85)

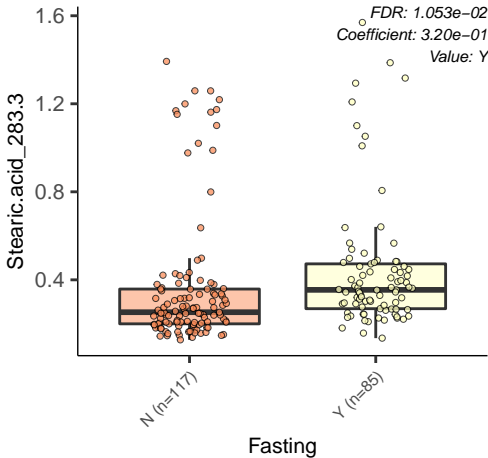
Fasting











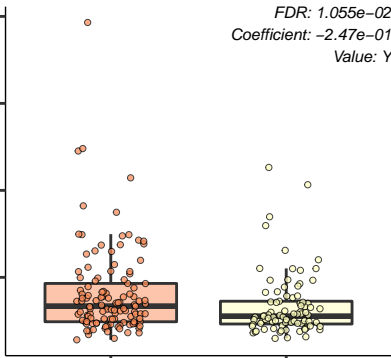
Homocysteine_136

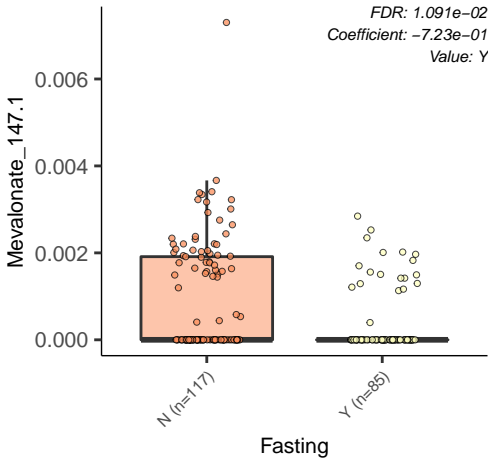
FDR: 1.055e-02
Coefficient: -2.47e-01
Value: Y

N (n=117)

Y (n=85)

Fasting





Omega.Hydroxydodecanoate_215.2

FDR: 1.182e-02
Coefficient: 4.72e-01
Value: Y

0.006

0.004

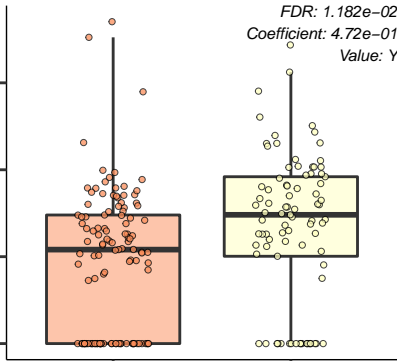
0.002

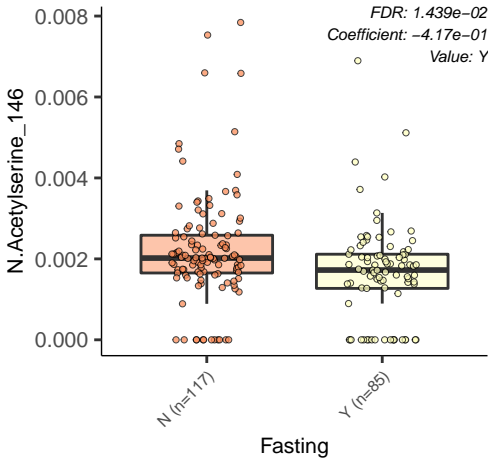
0.000

N (n=117)

Y (n=85)

Fasting





Rhamnose_163.1

FDR: 1.439e-02

Coefficient: -2.56e-01

Value: Y

0.015

0.010

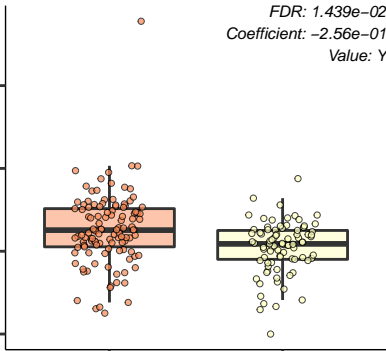
0.005

0.000

N (n=117)

Y (n=85)

Fasting



X4.Acetamidobutanoate_146.1

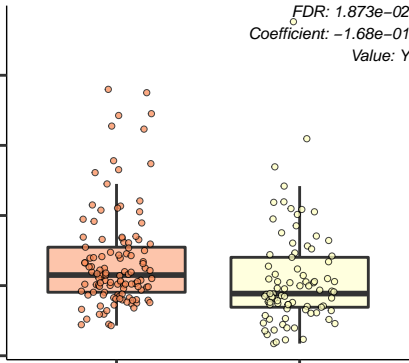
FDR: $1.873e-02$
Coefficient: $-1.68e-01$
Value: Y

0.05
0.04
0.03
0.02
0.01

N (n=117)

Y (n=85)

Fasting



Threonine_120.1

FDR: 2.162e-02

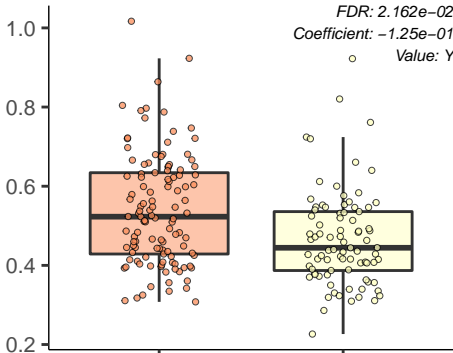
Coefficient: -1.25e-01

Value: Y

N (n=117)

Y (n=85)

Fasting



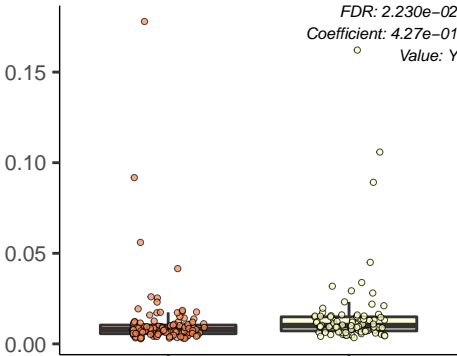
Alpha.Tocopherol_429.4

FDR: 2.230e-02
Coefficient: 4.27e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



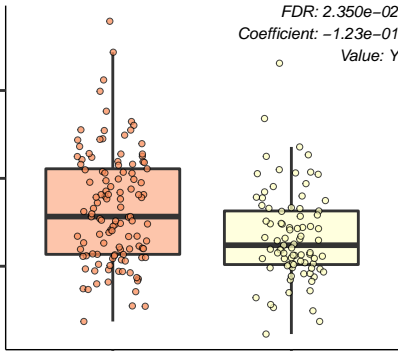
Tyrosine_182.1

FDR: 2.350e-02
Coefficient: -1.23e-01
Value: Y

N (n=117)

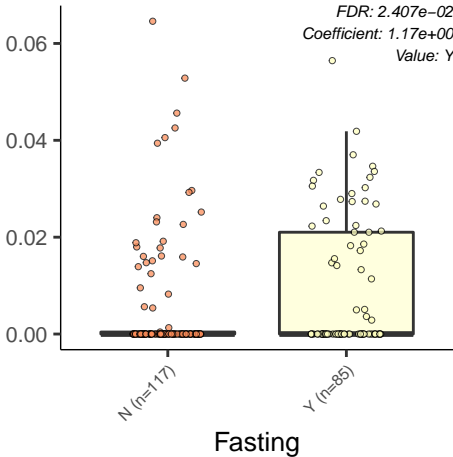
Y (n=85)

Fasting



Bilirubin_585.3

FDR: 2.407e-02
Coefficient: 1.17e+00
Value: Y



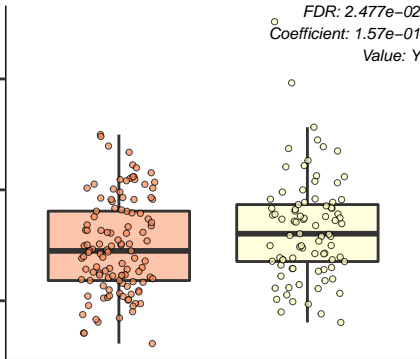
X3.Methyl.2.Oxovalerate_129.1

FDR: 2.477e-02
Coefficient: 1.57e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



Thiopurine.S.Methylether_167

0.006

0.004

0.002

0.000

FDR: 2.477e-02

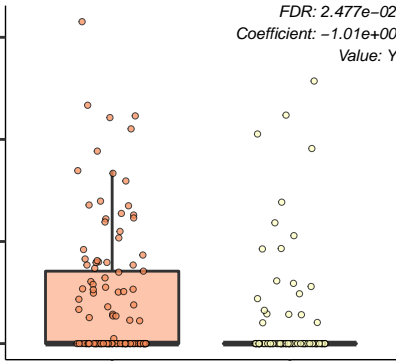
Coefficient: -1.01e+00

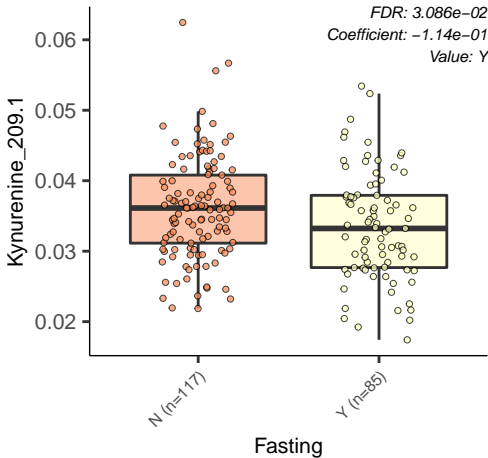
Value: Y

N (n=117)

Y (n=85)

Fasting





Trimethyllysine_189.2

FDR: $3.126e-02$

Coefficient: $-1.73e-01$

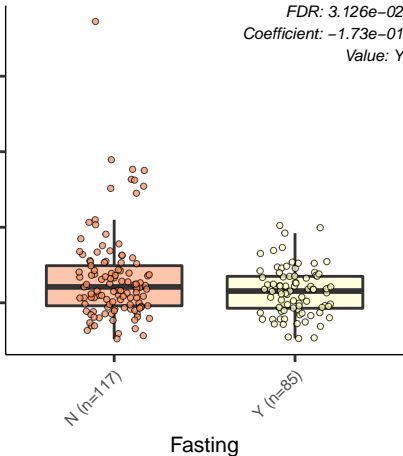
Value: Y

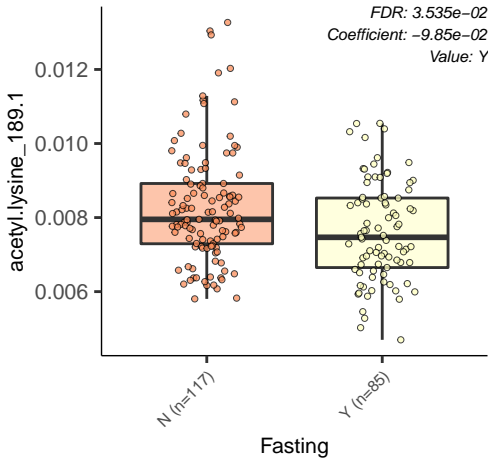
0.04
0.03
0.02
0.01

N (n=117)

Y (n=85)

Fasting





X2.6.Dihydropyridine_112

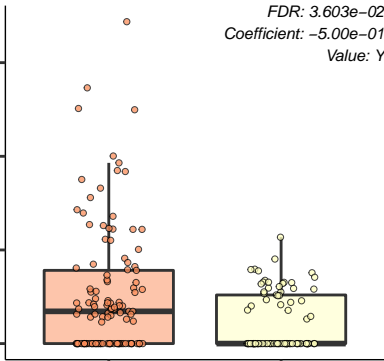
0.0075
0.0050
0.0025
0.0000

N (n=117)

Y (n=85)

Fasting

FDR: 3.603e-02
Coefficient: -5.00e-01
Value: Y



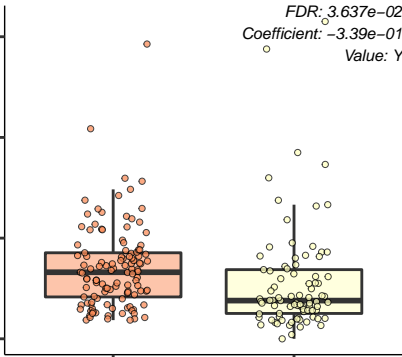
Indole.3.Acetamide_175.1

FDR: 3.637e-02
Coefficient: -3.39e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



O.Acetylserine_148.1

FDR: 4.413e-02

Coefficient: -2.02e-01

Value: Y

0.0020

0.0015

0.0010

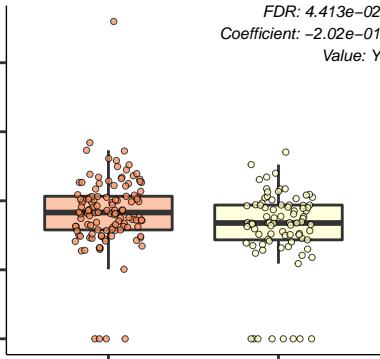
0.0005

0.0000

N (n=117)

Y (n=85)

Fasting



Indoxyl.Sulfate_212

FDR: 4.471e-02

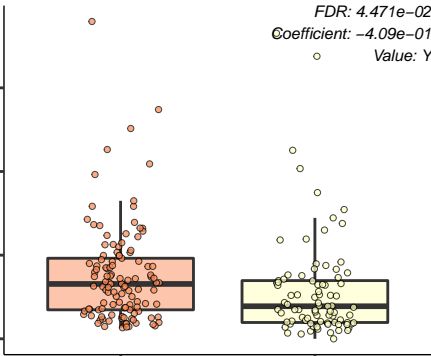
Coefficient: -4.09e-01

Value: Y

N (n=117)

Y (n=85)

Fasting



X2.Hydroxytetradecanoic.acid_243.2

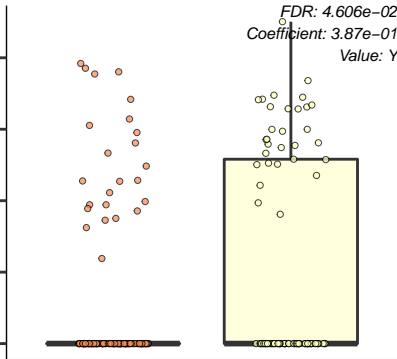
FDR: 4.606e-02
Coefficient: 3.87e-01
Value: Y

0.004
0.003
0.002
0.001
0.000

N (n=117)

Y (n=85)

Fasting



Threitol_121.1

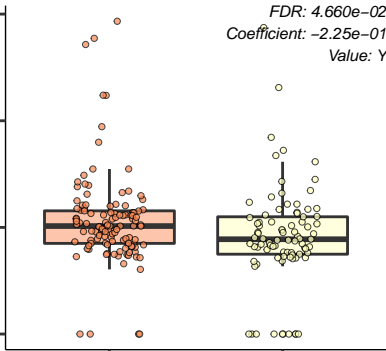
0.006
0.004
0.002
0.000

FDR: 4.660e-02
Coefficient: -2.25e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



N.Acetylputrescine_131.1

FDR: $4.840e-02$

Coefficient: $-9.63e-02$

Value: Y

0.006

0.005

0.004

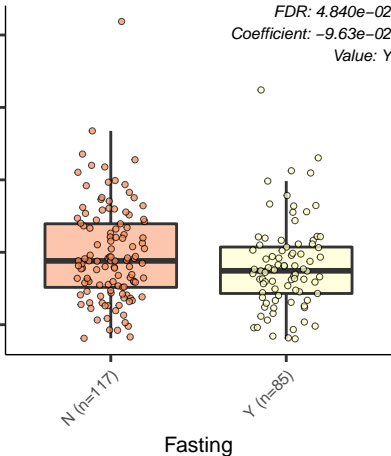
0.003

0.002

N (n=117)

Y (n=85)

Fasting



Pyridoxal_168.1

FDR: 5.458e-02
Coefficient: -5.00e-01
Value: Y

0.010

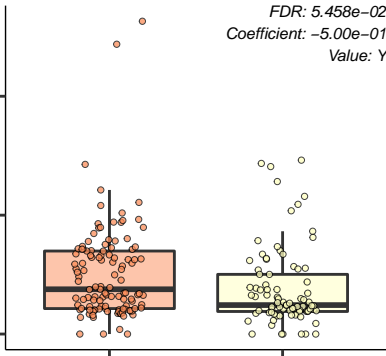
0.005

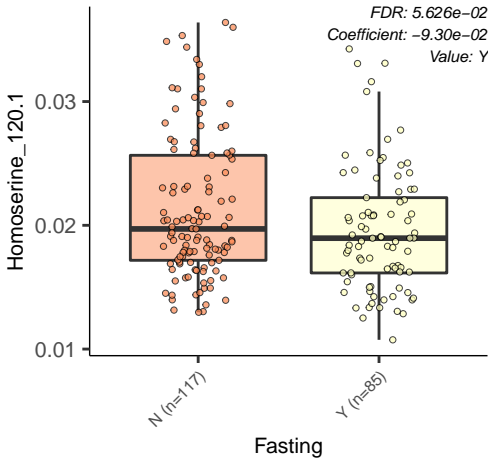
0.000

N (n=117)

Y (n=85)

Fasting





Lignoceric.acid_367.4

FDR: 6.123e-02
Coefficient: -3.67e-01
Value: Y

0.004

0.003

0.002

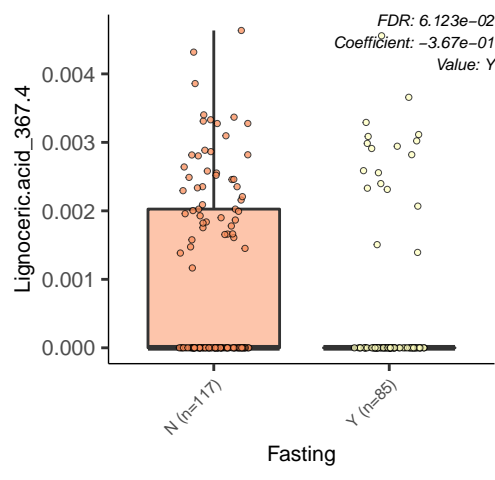
0.001

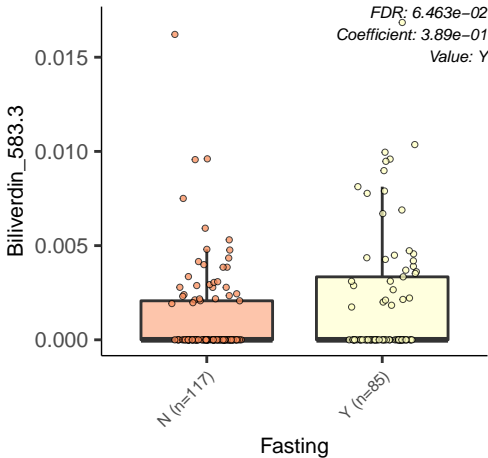
0.000

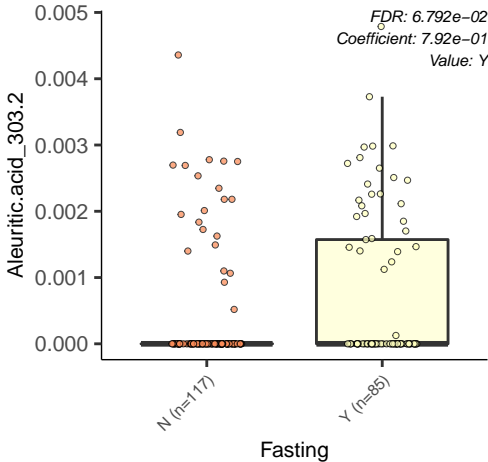
N (n=117)

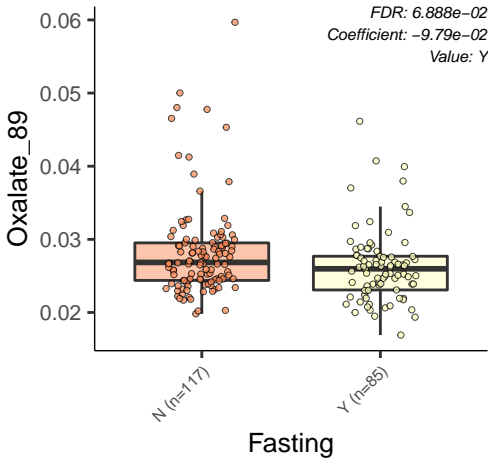
Y (n=85)

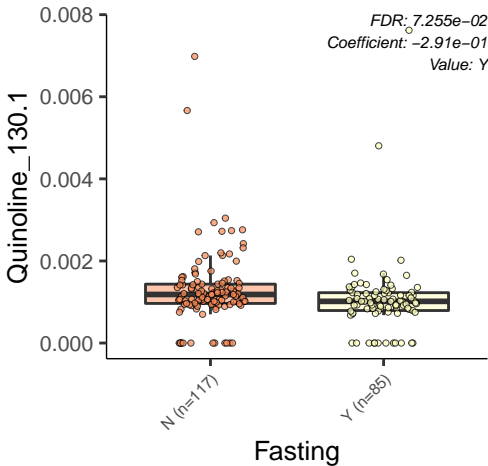
Fasting

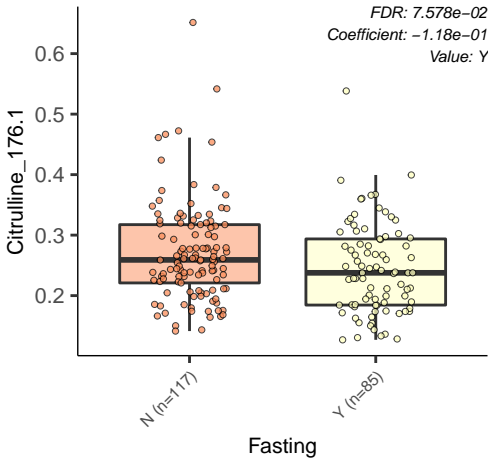












Xanthine_151

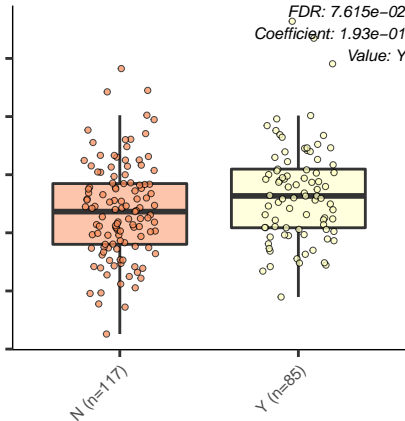
FDR: 7.615e-02
Coefficient: 1.93e-01
Value: Y

0.05
0.04
0.03
0.02
0.01
0.00

N (n=117)

Y (n=85)

Fasting



D.Sedoheptulose_209.1

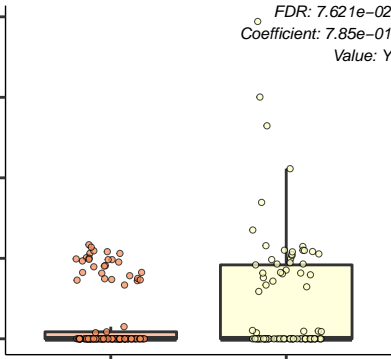
FDR: 7.621e-02
Coefficient: 7.85e-01
Value: Y

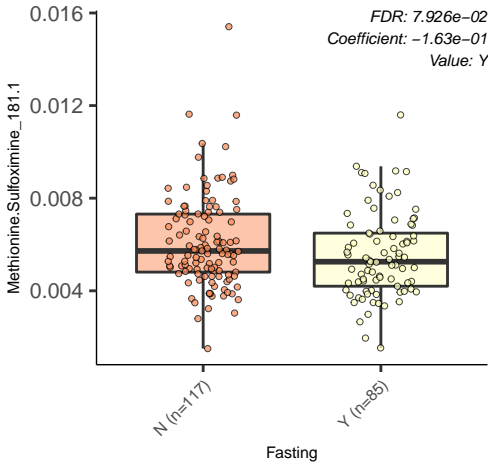
0.008
0.006
0.004
0.002
0.000

N (n=117)

Y (n=85)

Fasting





GABA_104.1

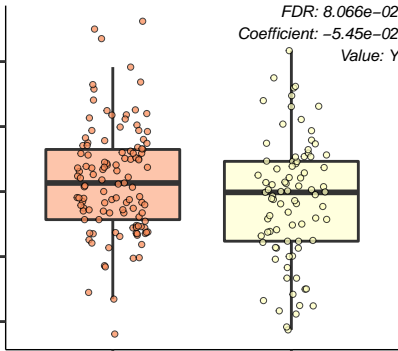
0.10
0.09
0.08
0.07
0.06

N (n=117)

Y (n=85)

Fasting

FDR: $8.066e-02$
Coefficient: $-5.45e-02$
Value: Y



Ornithine_133.1

FDR: 8.181e-02
Coefficient: -1.61e-01
Value: Y

0.12

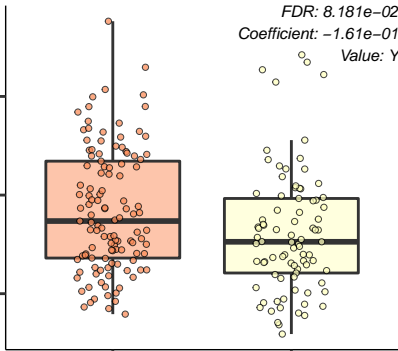
0.08

0.04

N (n=117)

Y (n=85)

Fasting



N.Acetyltryptophan_247.1

0.008

0.006

0.004

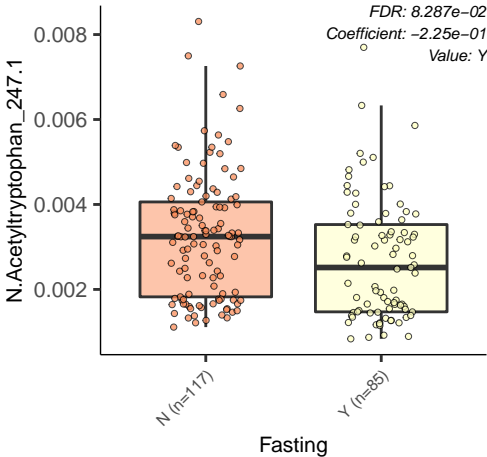
0.002

N (n=117)

Y (n=85)

Fasting

FDR: 8.287e-02
Coefficient: -2.25e-01
Value: Y



X5.Aminopentanoate_118.1

FDR: $9.022e-02$
Coefficient: $-8.40e-02$
Value: Y

0.06

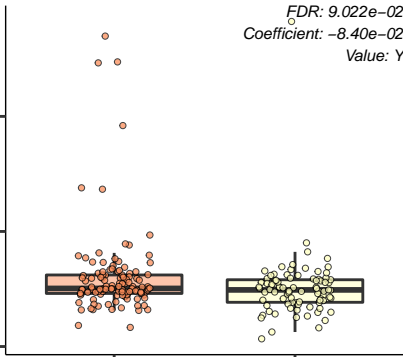
0.04

0.02

N (n=117)

Y (n=85)

Fasting



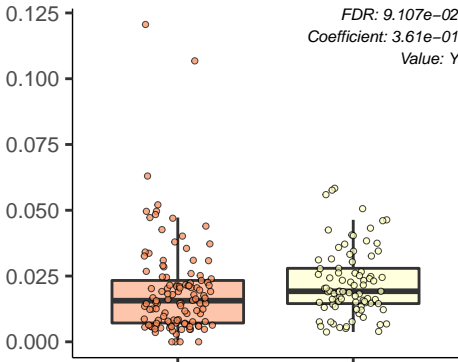
Lauroylcarnitine_344.3

FDR: 9.107e-02
Coefficient: 3.61e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



X3..2.Hydroxyphenyl.Propanoate_165.1

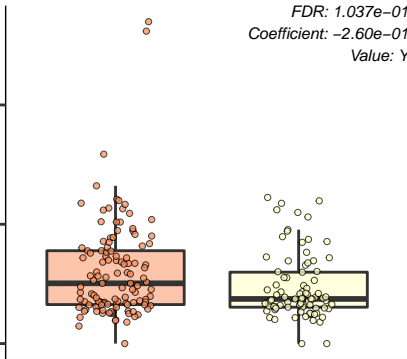
FDR: 1.037e-01
Coefficient: -2.60e-01
Value: Y

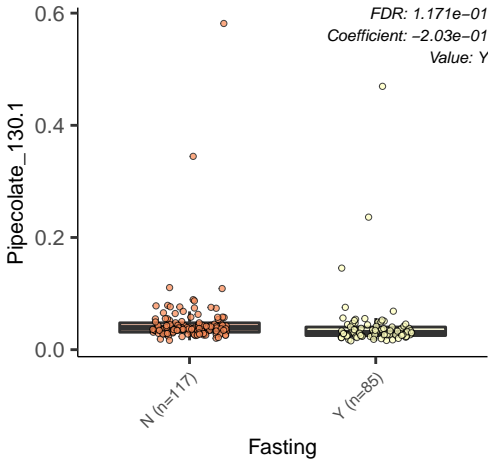
0.02
0.01
0.00

N (n=117)

Y (n=85)

Fasting





Xanthine_153

FDR: 1.171e-01
Coefficient: 2.73e-01
Value: Y

0.003

0.002

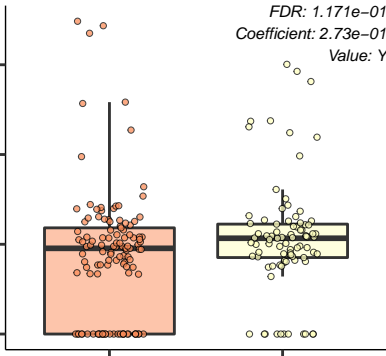
0.001

0.000

N (n=117)

Y (n=85)

Fasting



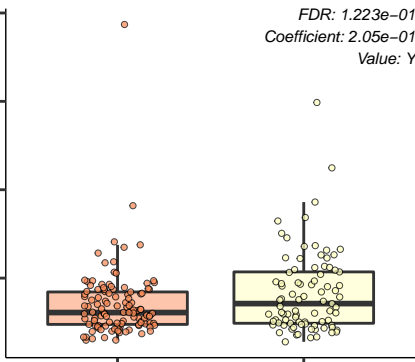
Octanoic.acid_143.1

FDR: 1.223e-01
Coefficient: 2.05e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



X3.4.Dihydroxymandelate_183

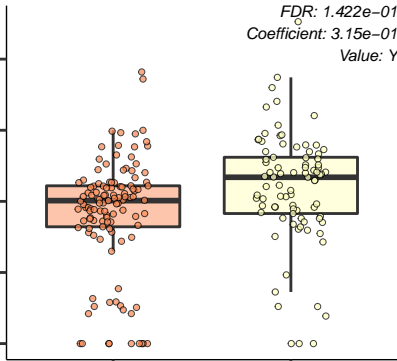
FDR: 1.422e-01
Coefficient: 3.15e-01
Value: Y

0.004
0.003
0.002
0.001
0.000

N (n=117)

Y (n=85)

Fasting



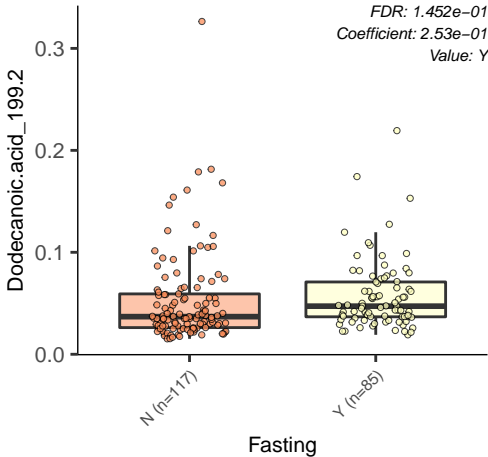
Dodecanoic.acid_199.2

FDR: 1.452e-01
Coefficient: 2.53e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



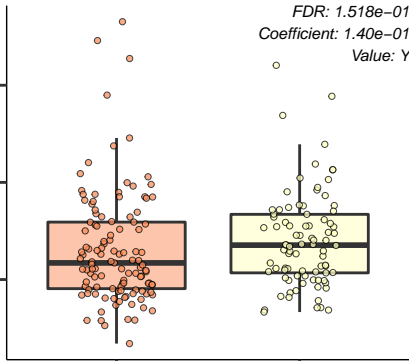
Beta.hydroxyvaleric.Acid_117.1

FDR: 1.518e-01
Coefficient: 1.40e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



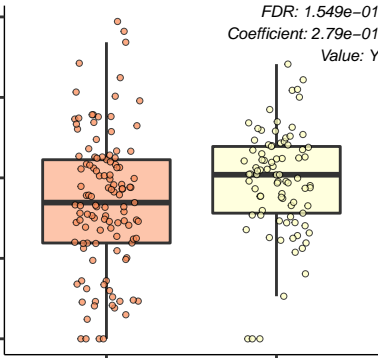
Methylthioadenosine_298.1

FDR: 1.549e-01
Coefficient: 2.79e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



Dopamine_154.1

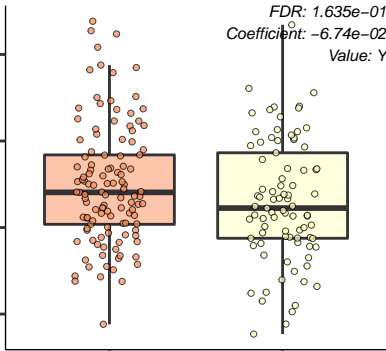
0.006
0.005
0.004
0.003

N (n=117)

Y (n=85)

Fasting

FDR: 1.635e-01
Coefficient: -6.74e-02
Value: Y



Citrate_191

FDR: 1.646e-01
Coefficient: 1.75e-01
Value: Y

0.006

0.004

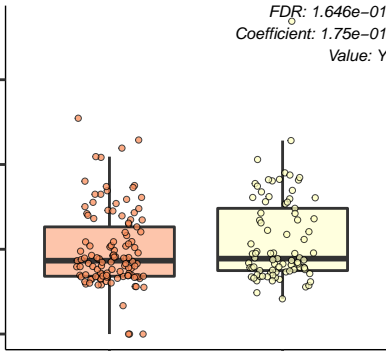
0.002

0.000

N (n=117)

Y (n=85)

Fasting



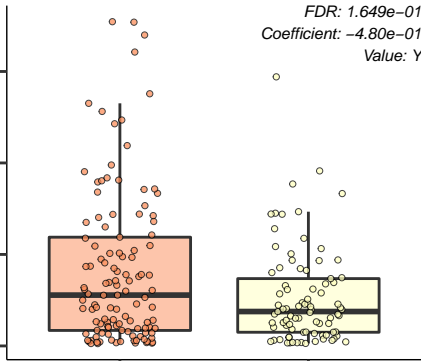
X3.Methyl.L.Histidine_170.1

FDR: 1.649e-01
Coefficient: -4.80e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



Ribose_149

0.03

0.02

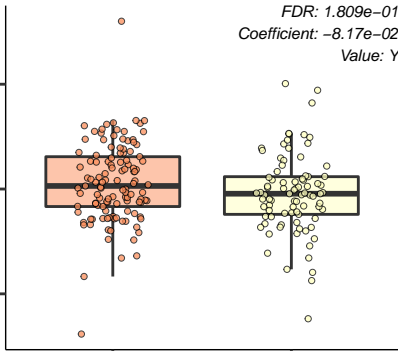
0.01

N (n=117)

Y (n=85)

Fasting

FDR: 1.809e-01
Coefficient: -8.17e-02
Value: Y



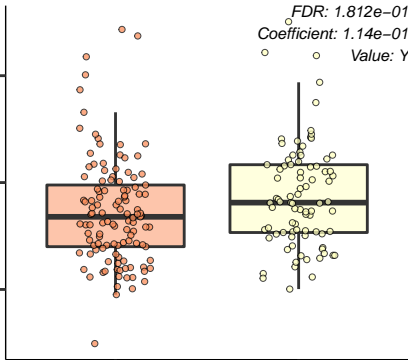
X2.Hydroxyisocaproic.acid_131.1

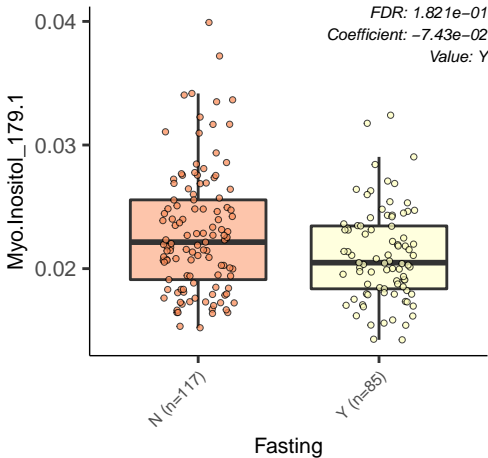
FDR: 1.812e-01
Coefficient: 1.14e-01
Value: Y

N (n=117)

Y (n=85)

Fasting





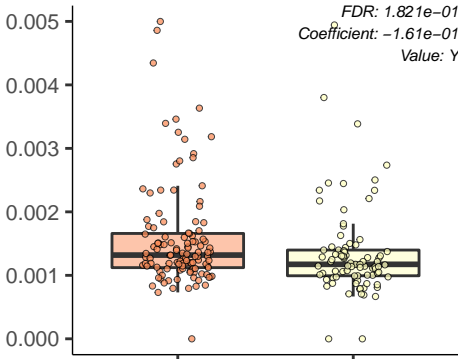
X4.Imidazoleacetate_127.1

FDR: 1.821e-01
Coefficient: -1.61e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



N.Acetylleucine_172.1

FDR: 2.032e-01
Coefficient: 5.02e-01
Value: Y

0.0075

0.0050

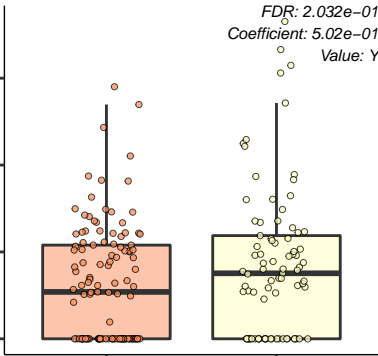
0.0025

0.0000

N (n=117)

Y (n=85)

Fasting



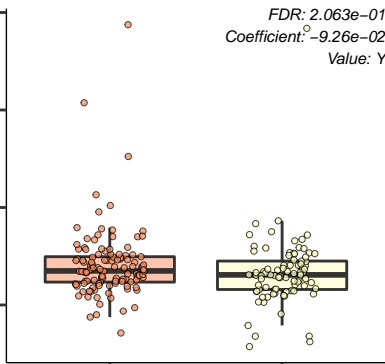
X5.6.Dimethylbenzimidazole_147.1

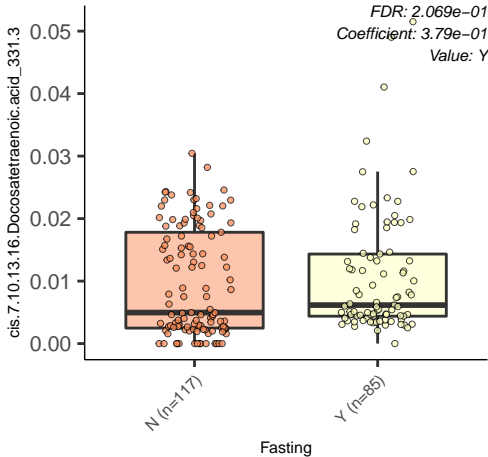
FDR: $2.063e-01$
Coefficient: $-9.26e-02$
Value: Y

N (n=117)

Y (n=85)

Fasting





Phenylalanine_166.1

2.0

1.5

1.0

N (n=117)

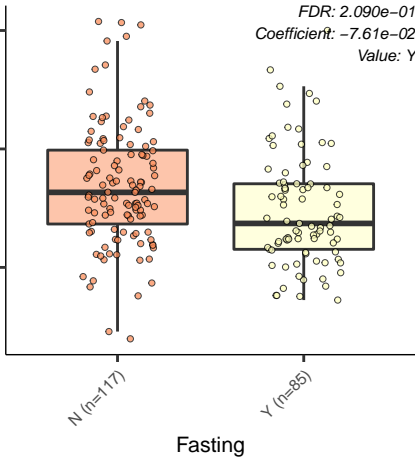
FDR: 2.090e-01

Coefficient: -7.61e-02

Value: Y

Y (n=85)

Fasting



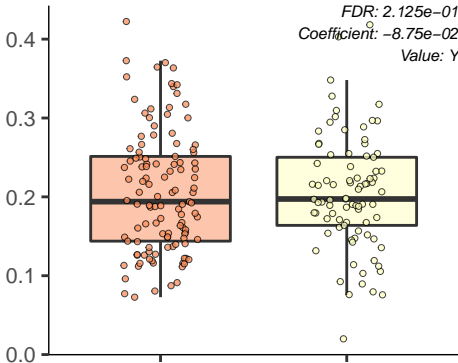
X2.Deoxy.D.Glucose_163.1

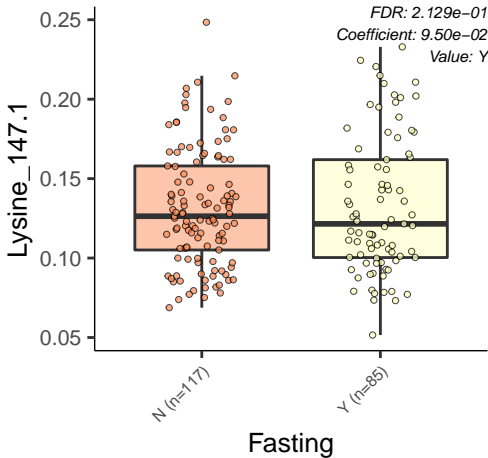
FDR: $2.125e-01$
Coefficient: $-8.75e-02$
Value: Y

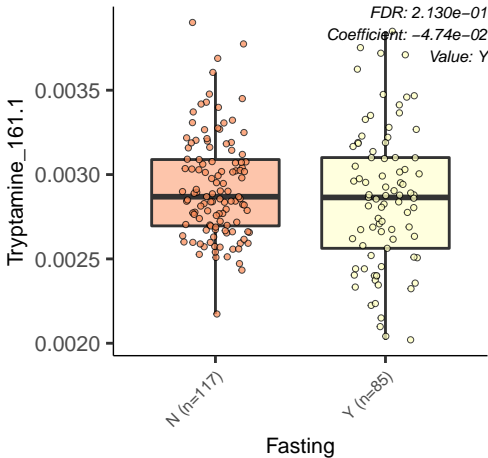
N (n=117)

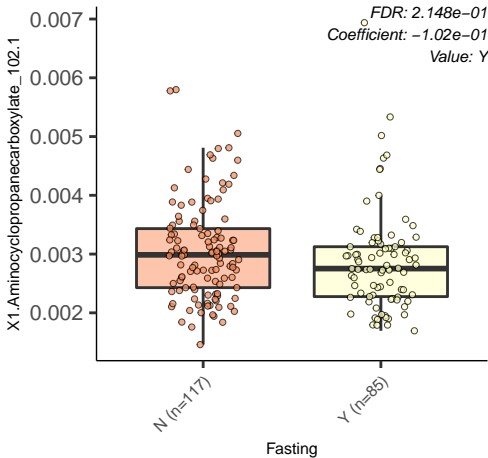
Y (n=85)

Fasting









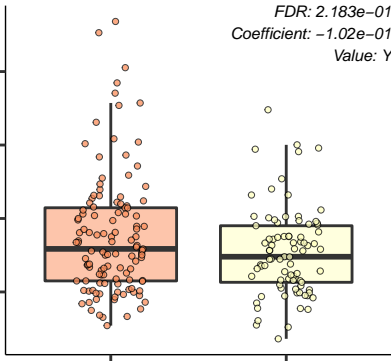
Methylglutarate_145.1

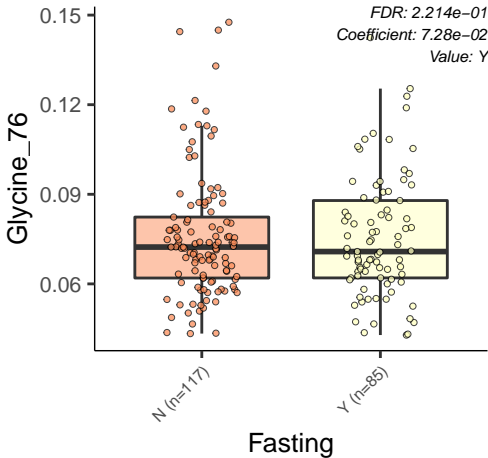
FDR: 2.183e-01
Coefficient: -1.02e-01
Value: Y

N (n=117)

Y (n=85)

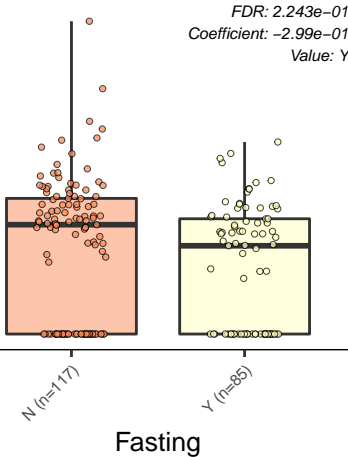
Fasting





Azelate_187.1

FDR: 2.243e-01
Coefficient: -2.99e-01
Value: Y



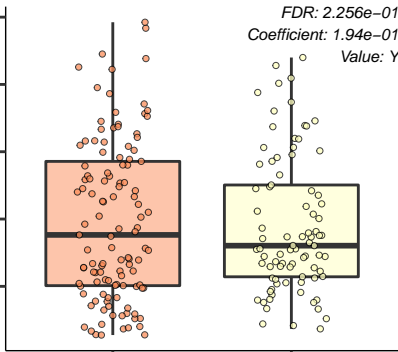
Aspartate_134

FDR: 2.256e-01
Coefficient: 1.94e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



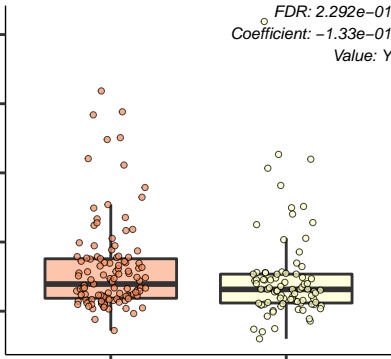
Methylmalonate_117

FDR: 2.292e-01
Coefficient: -1.33e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



AMP_346.1

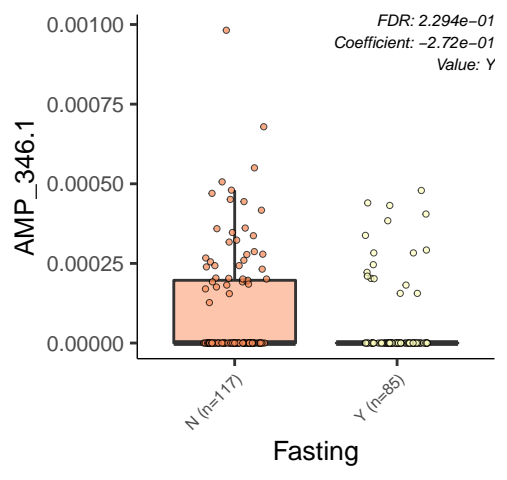
0.00100
0.00075
0.00050
0.00025
0.00000

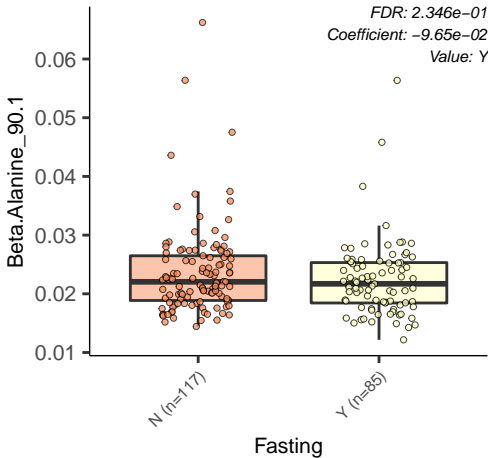
FDR: 2.294e-01
Coefficient: -2.72e-01
Value: Y

N (n=117)

Y (n=85)

Fasting





Theophylline_179.1

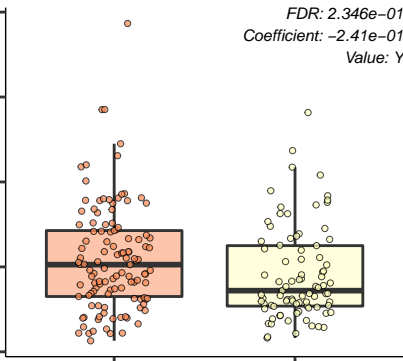
0.08
0.06
0.04
0.02
0.00

FDR: 2.346e-01
Coefficient: -2.41e-01
Value: Y

N (n=117)

Y (n=85)

Fasting



Butyryl.carnitine_232.2

FDR: 2.352e-01
Coefficient: -1.38e-01
Value: Y

0.2

0.1

N (n=117)

Y (n=85)

Fasting

