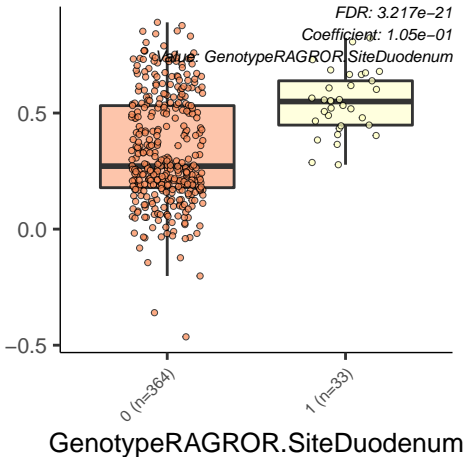


PWY0.1586



PWY.7199

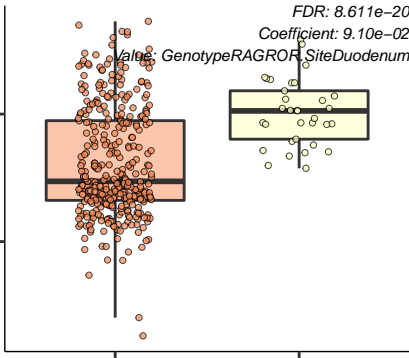
0.5
0.0

0 (n=364)

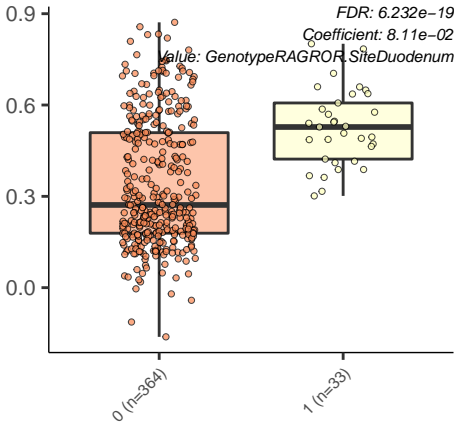
1 (n=33)

GenotypeRAGROR.SiteDuodenum

FDR: $8.611e-20$
Coefficient: $9.10e-02$
Value: GenotypeRAGROR.SiteDuodenum

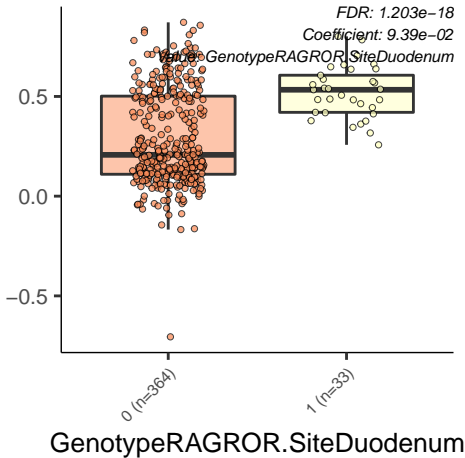


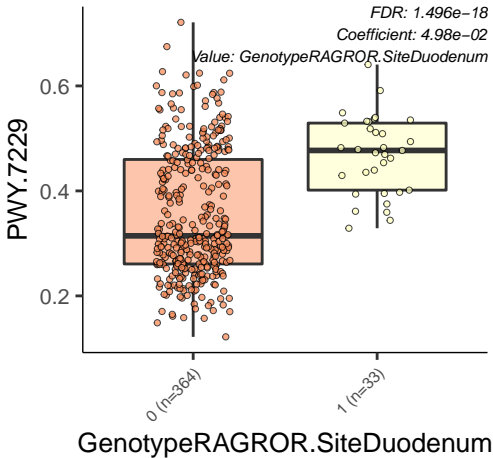
FASYN.ELONG.PWY



GenotypeRAGROR.SiteDuodenum

PWY.5659





TRNA.CHARGING.PWY

0.75

0.50

0.25

0 (n=364)

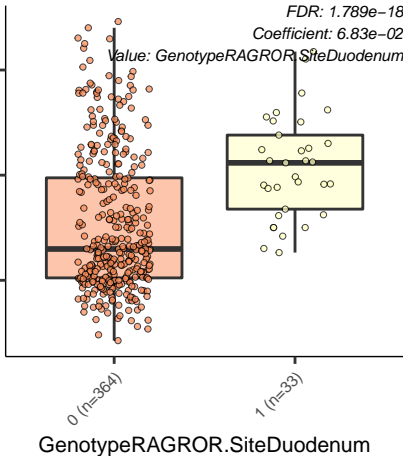
1 (n=33)

GenotypeRAGROR.SiteDuodenum

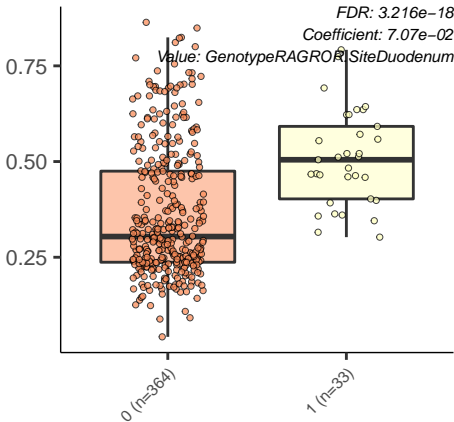
FDR: 1.789e-18

Coefficient: 6.83e-02

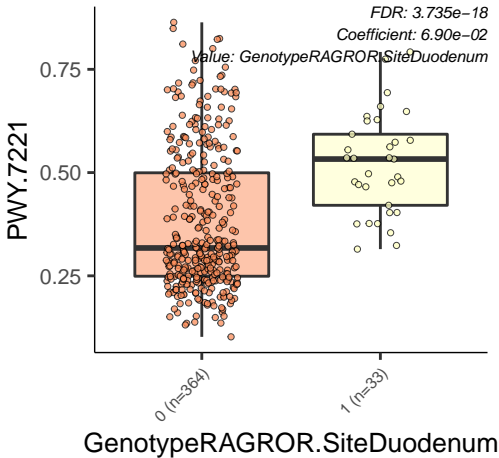
Value: GenotypeRAGROR.SiteDuodenum

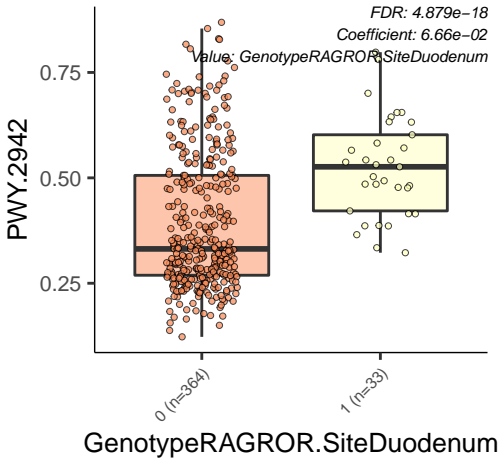


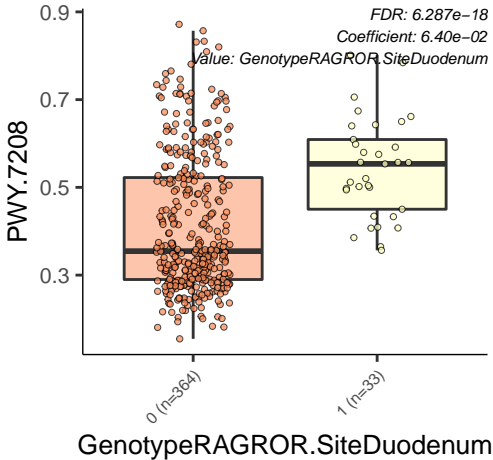
PWY.5121



GenotypeRAGROR.SiteDuodenum







PEPTIDOGLYCANSYN.PWY

0.75

0.50

0.25

0 (n=364)

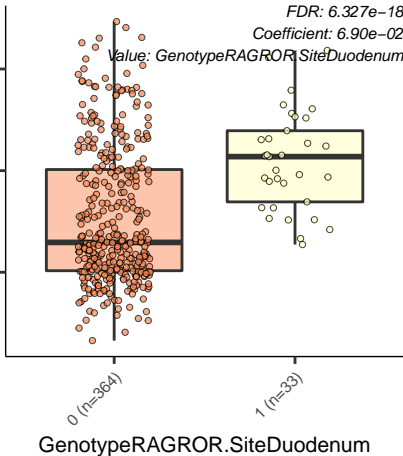
1 (n=33)

GenotypeRAGROR.SiteDuodenum

FDR: $6.327e-18$

Coefficient: $6.90e-02$

Value: GenotypeRAGROR.SiteDuodenum



PWY.7219

FDR: 6.613e-18

Coefficient: 6.44e-02

Value: GenotypeRAGROR.SiteDuodenum

0.75

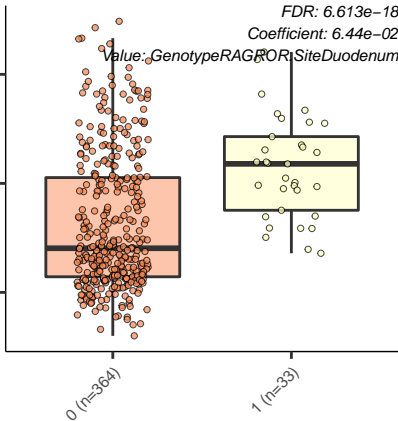
0.50

0.25

0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum



PWY.5097

0.75

0.50

0.25

0 (n=364)

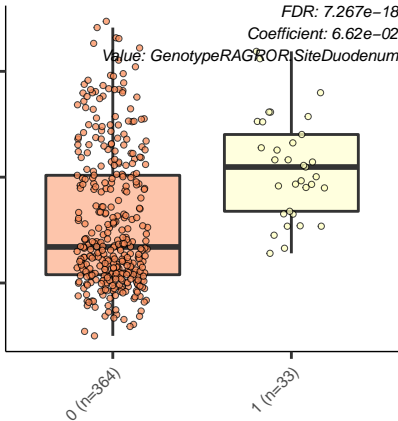
1 (n=33)

GenotypeRAGROR.SiteDuodenum

FDR: 7.267e-18

Coefficient: 6.62e-02

Value: GenotypeRAGROR.SiteDuodenum



PWY.6385

0.75
0.50
0.25
0.00

0 (n=364)

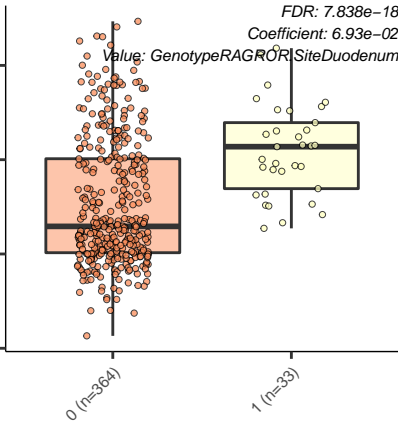
1 (n=33)

GenotypeRAGROR.SiteDuodenum

Value: GenotypeRAGROR.SiteDuodenum

FDR: 7.838×10^{-18}

Coefficient: 6.93×10^{-2}



PWY.6387

0.75
0.50
0.25

0 (n=364)

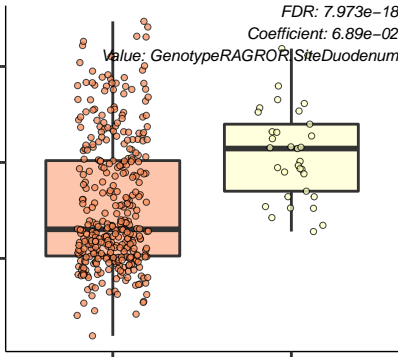
1 (n=33)

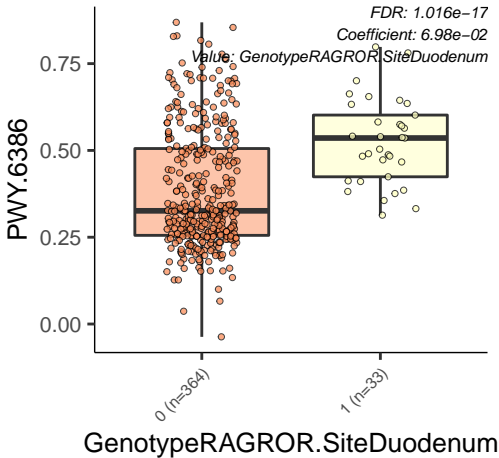
GenotypeRAGROR.SiteDuodenum

Value: GenotypeRAGROR.SiteDuodenum

Coefficient: 6.89e-02

FDR: 7.973e-18





PWY.5667

0.75
0.50
0.25

0 (n=364)

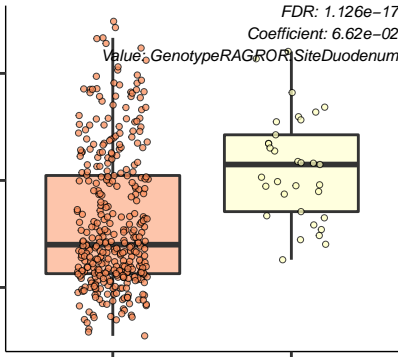
1 (n=33)

GenotypeRAGROR.SiteDuodenum

FDR: 1.126e-17

Coefficient: 6.62e-02

Value: GenotypeRAGROR.SiteDuodenum



PWY0.1319

FDR: 1.126×10^{-17}

Coefficient: 6.62×10^{-2}

Value: GenotypeRAGROR.SiteDuodenum

0.75

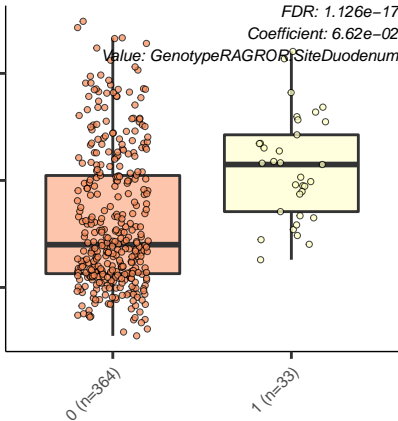
0.50

0.25

0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum



PWY.5973

FDR: 1.208e-17

Coefficient: 6.56e-02

Value: GenotypeRAGROR.SiteDuodenum

0.75

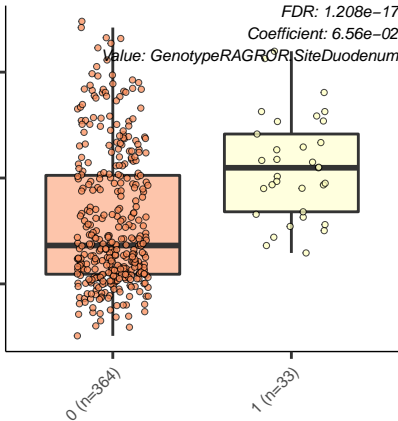
0.50

0.25

0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum



NONMEVIPP.PWY

0.75
0.50
0.25
0.00

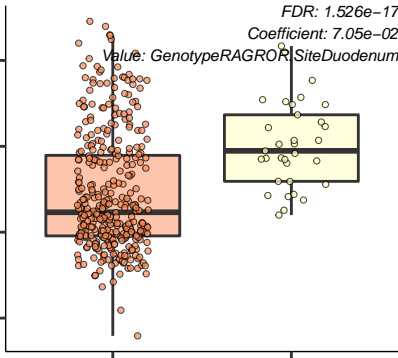
0 (n=364)

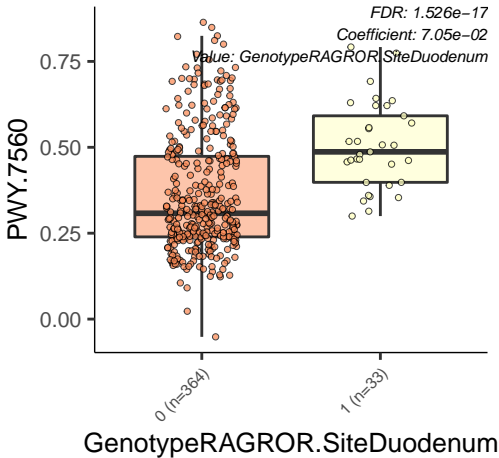
1 (n=33)

GenotypeRAGROR.SiteDuodenum

Value: GenotypeRAGROR.SiteDuodenum

FDR: 1.526e-17
Coefficient: 7.05e-02





PWY.7663

0.75

0.50

0.25

0 (n=364)

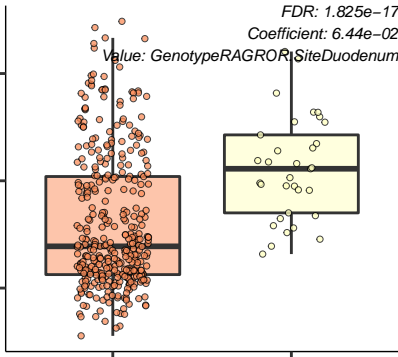
1 (n=33)

GenotypeRAGROR.SiteDuodenum

FDR: 1.825e-17

Coefficient: 6.44e-02

Value: GenotypeRAGROR.SiteDuodenum



ANAGLYCOLYSIS.PWY

0.75
0.50
0.25

0 (n=364)

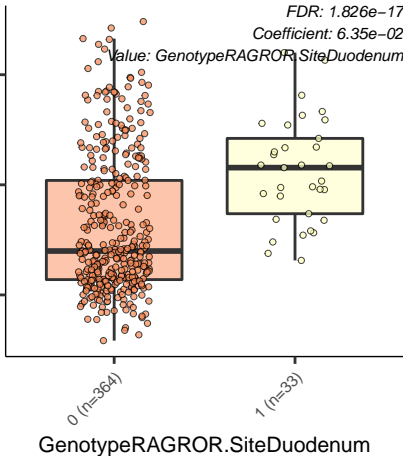
1 (n=33)

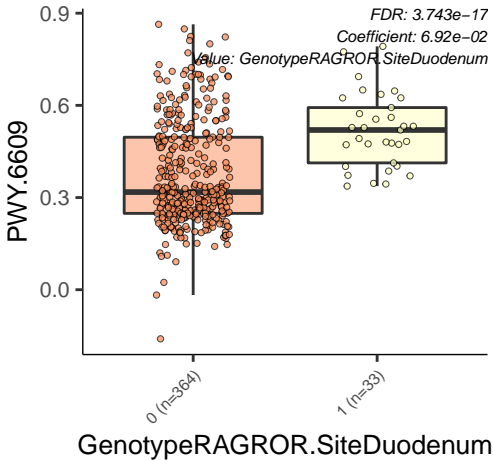
GenotypeRAGROR.SiteDuodenum

FDR: 1.826e-17

Coefficient: 6.35e-02

Value: GenotypeRAGROR.SiteDuodenum





COMPLETE.ARO.PWY

0.50
0.25
0.00

0 (n=364)

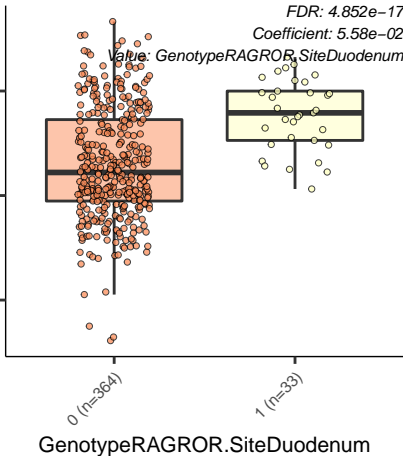
1 (n=33)

GenotypeRAGROR.SiteDuodenum

Value: GenotypeRAGROR.SiteDuodenum

Coefficient: 5.58e-02

FDR: 4.852e-17

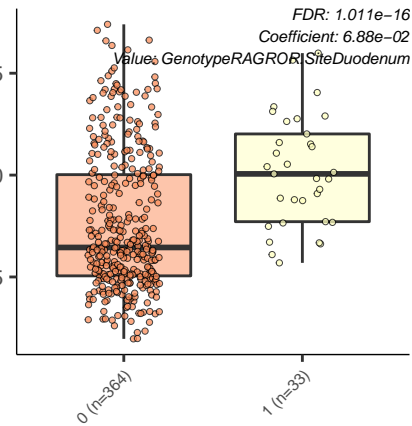


PHOSLIPSYN.PWY

FDR: 1.011e-16

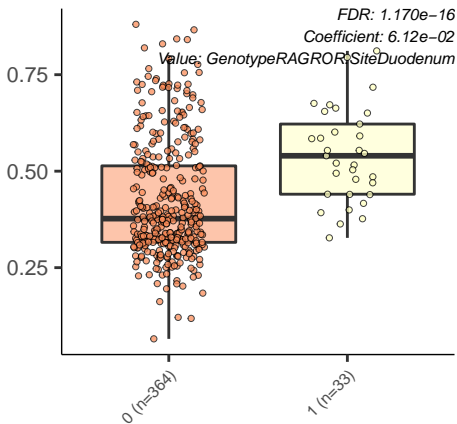
Coefficient: 6.88e-02

Value: GenotypeRAGROR.SiteDuodenum



GenotypeRAGROR.SiteDuodenum

NONOXIPENT.PWY



GenotypeRAGROR.SiteDuodenum

PWY.6163

0.75
0.50
0.25
0.00

0 (n=364)

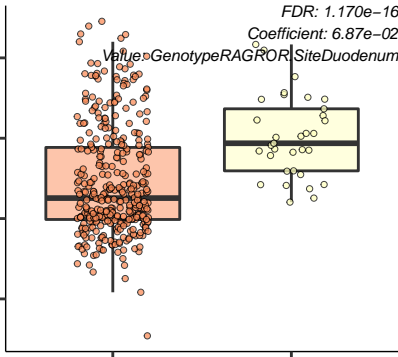
1 (n=33)

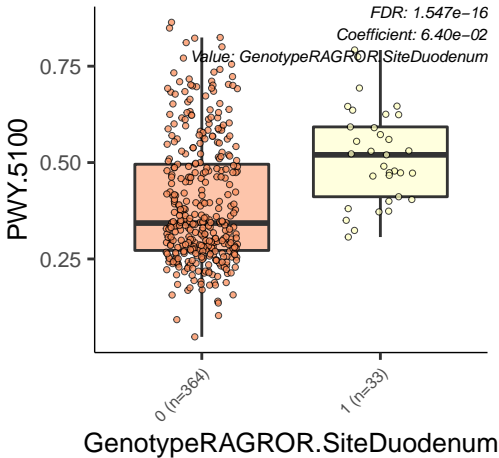
GenotypeRAGROR.SiteDuodenum

FDR: 1.170e-16

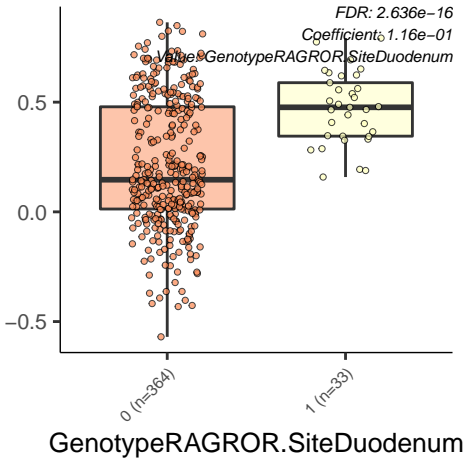
Coefficient: 6.87e-02

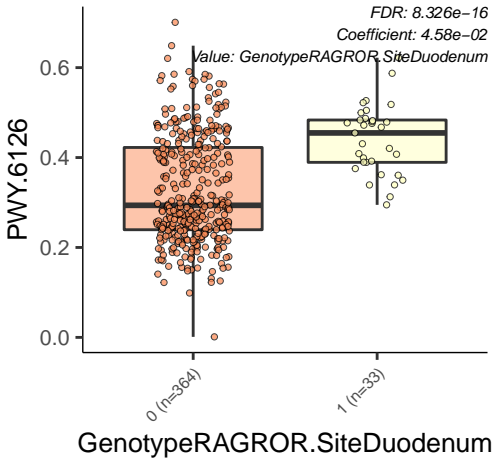
Value: GenotypeRAGROR.SiteDuodenum

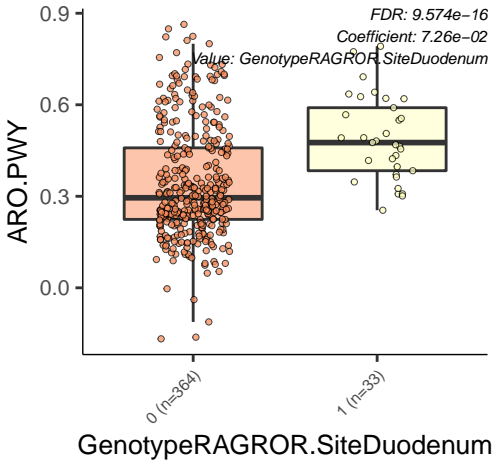


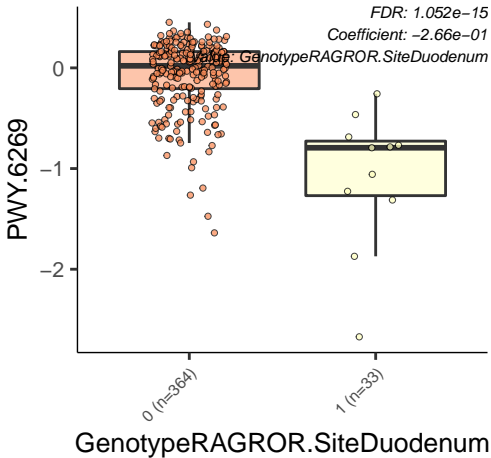


PWY0.1298







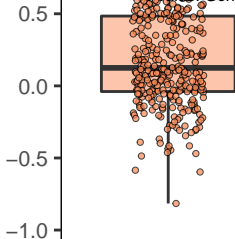


PWY0.1297

FDR: 6.081e-15

Coefficient: 1.22e-01

Value: GenotypeRAGROR.SiteDuodenum



0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum

PWY4FS.7

0.75
0.50
0.25
0.00

0 (n=364)

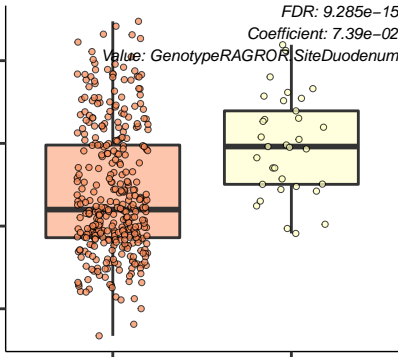
1 (n=33)

GenotypeRAGROR.SiteDuodenum

Value: GenotypeRAGROR.SiteDuodenum

Coefficient: $7.39e-02$

FDR: $9.285e-15$



PWY4FS.8

0.75
0.50
0.25
0.00

0 (n=364)

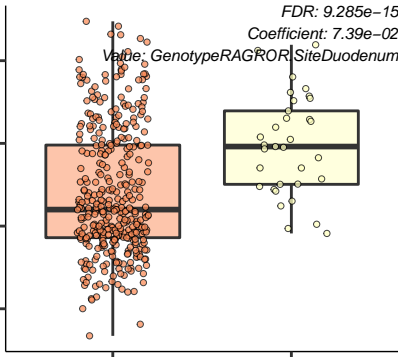
1 (n=33)

GenotypeRAGROR.SiteDuodenum

Value: GenotypeRAGROR.SiteDuodenum

Coefficient: $7.39e-02$

FDR: $9.285e-15$



GLUCONEO.PWY

FDR: 1.510e-13

Coefficient: 3.79e-02

Value: GenotypeRAGROR.SiteDuodenum

0.4

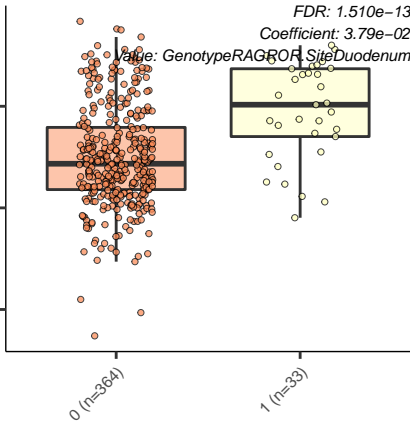
0.2

0.0

0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum

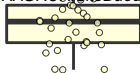
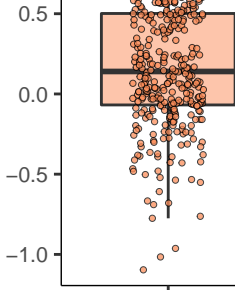


P161.PWY

FDR: 1.780e-13

Coefficient: 1.30e-01

value GenotypeRAGROR.SiteDuodenum



0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum

POLYISOPRENSYN.PWY

0.4
0.0
-0.4
-0.8

GenotypeRAGROR.SiteDuodenum

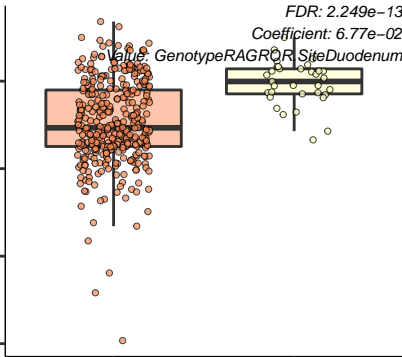
0 (n=364)

1 (n=33)

Value: GenotypeRAGROR.SiteDuodenum

Coefficient: $6.77\text{e-}02$

FDR: $2.249\text{e-}13$

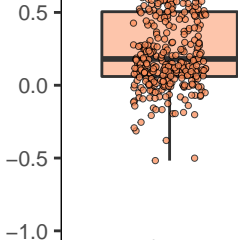


GLCMANNANAUT.PWY

FDR: 4.249×10^{-13}

Coefficient: 1.00×10^{-01}

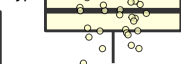
Value GenotypeRAGROR.SiteDuodenum



0 (n=364)

GenotypeRAGROR.SiteDuodenum

1 (n=33)

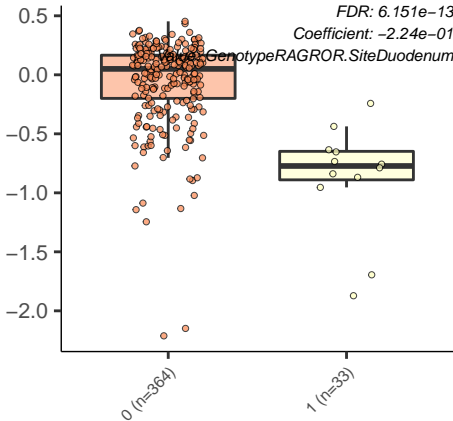


COBALSYN.PWY

FDR: 6.151e-13

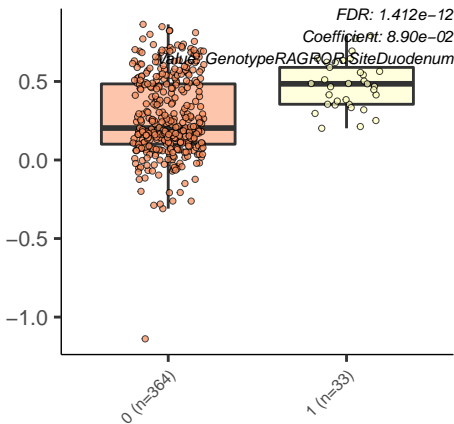
Coefficient: -2.24e-01

Value: GenotypeRAGROR.SiteDuodenum



GenotypeRAGROR.SiteDuodenum

PWY0.1296



GenotypeRAGROR.SiteDuodenum

PWY.5509

FDR: 2.395e-11

Coefficient: -2.68e-01

Value: GenotypeRAGROR.SiteDuodenum

0

-1

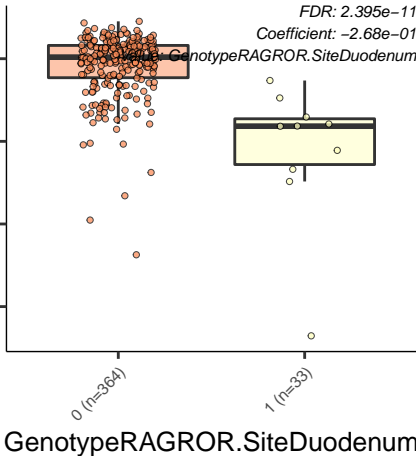
-2

-3

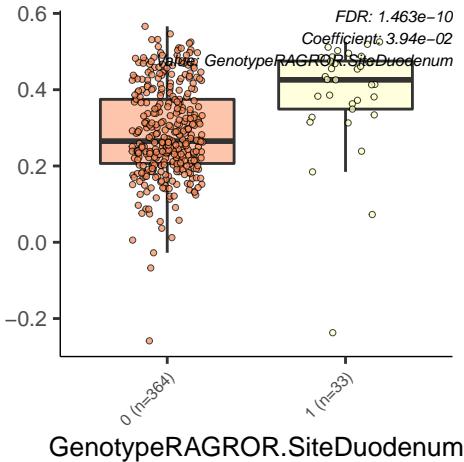
0 (n=364)

1 (n=33)

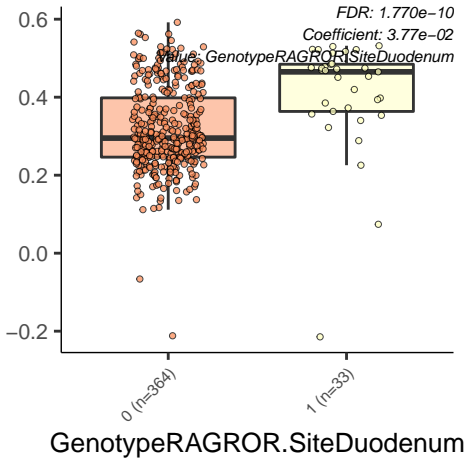
GenotypeRAGROR.SiteDuodenum



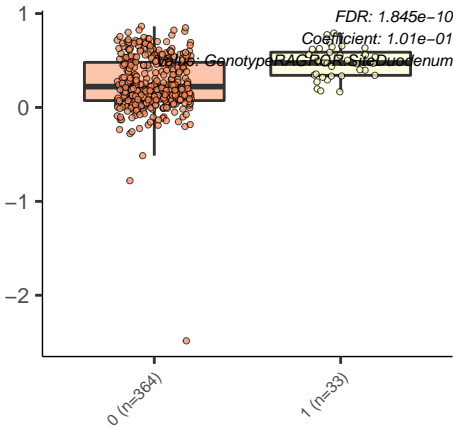
PWY.5484



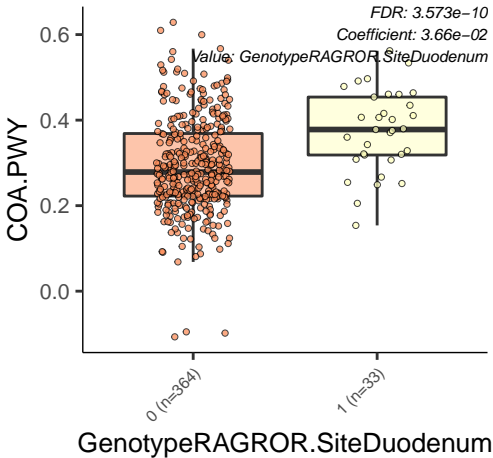
GLYCOLYSIS



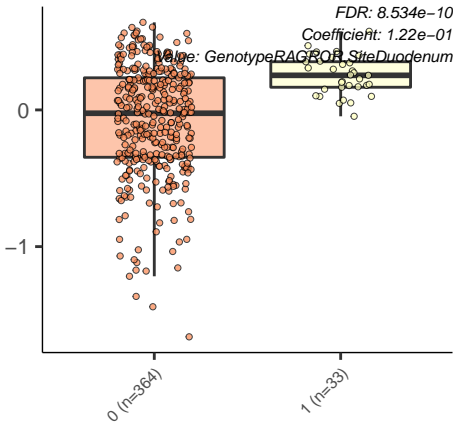
UDPNAGSYN.PWY



GenotypeRAGROR.SiteDuodenum

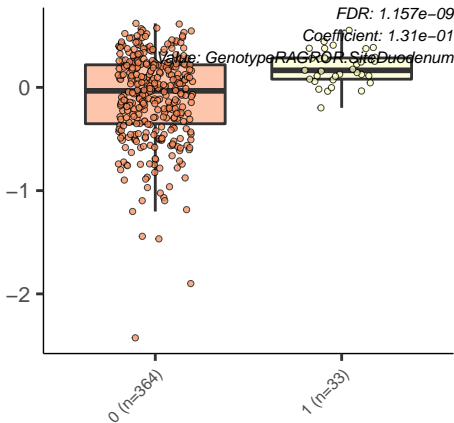


PWY0.166



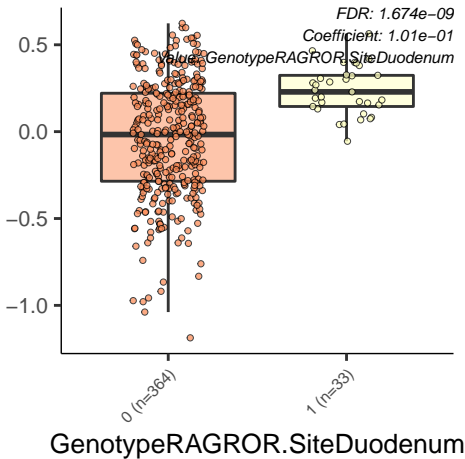
GenotypeRAGROR.SiteDuodenum

PWY.6125

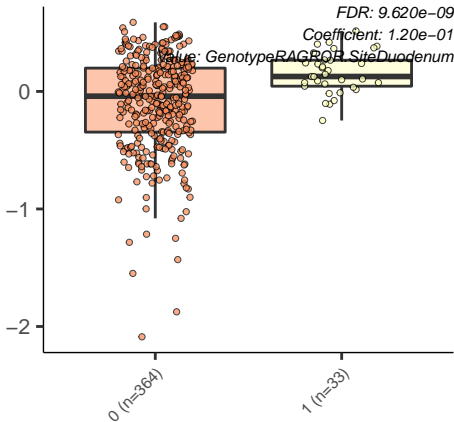


GenotypeRAGROR.SiteDuodenum

PWY.7187

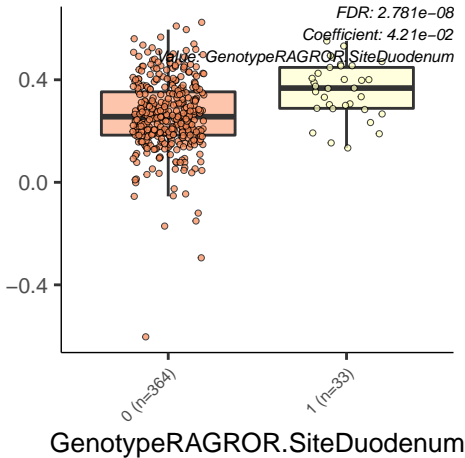


PWY.7196



GenotypeRAGROR.SiteDuodenum

PWY.6151

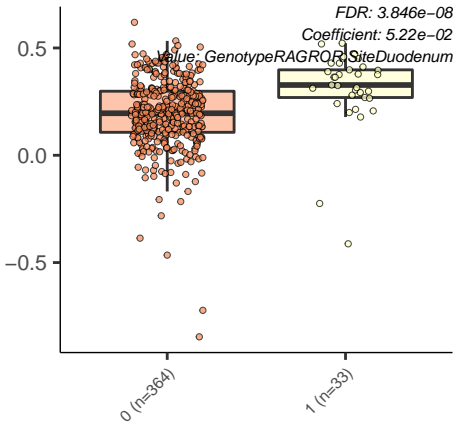


OANTIGEN.PWY

FDR: 3.846×10^{-8}

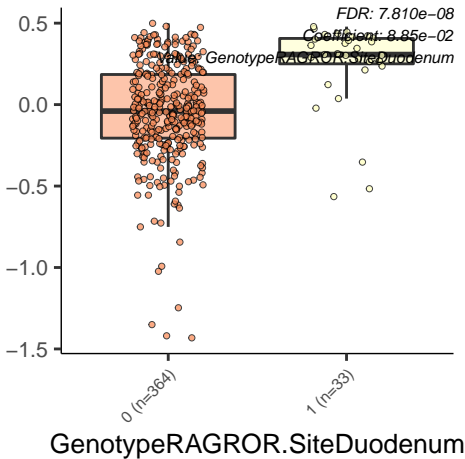
Coefficient: 5.22×10^{-2}

Value: GenotypeRAGROR.SiteDuodenum

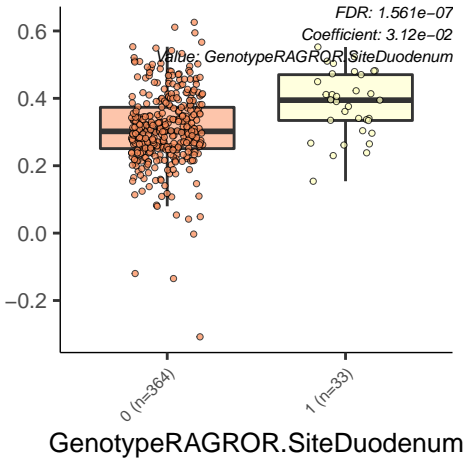


GenotypeRAGROR.SiteDuodenum

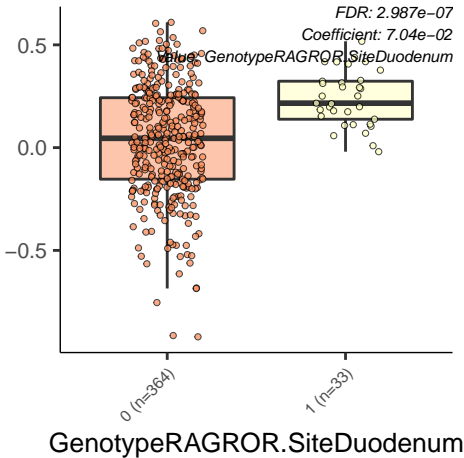
COLANSYN.PWY



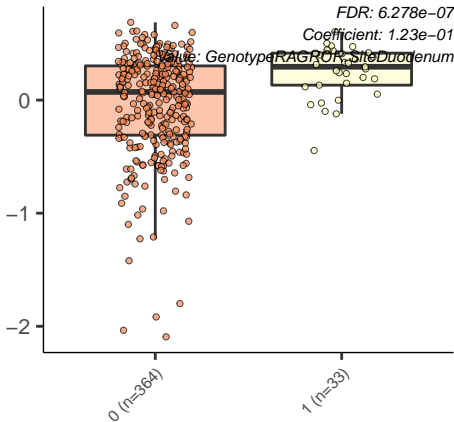
THRESYN.PWY



PWY.841



PWY.7392



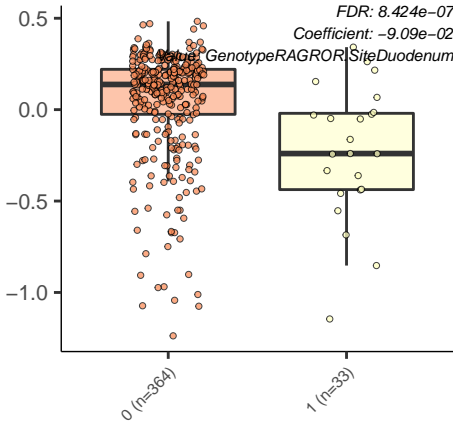
GenotypeRAGROR.SiteDuodenum

ARGSYN.PWY

FDR: 8.424×10^{-7}

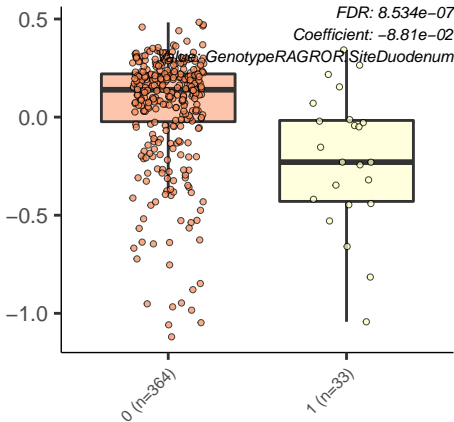
Coefficient: -9.09×10^{-2}

Value GenotypeRAGROR.SiteDuodenum



GenotypeRAGROR.SiteDuodenum

PWY.7400



GenotypeRAGROR.SiteDuodenum

PWY.7184

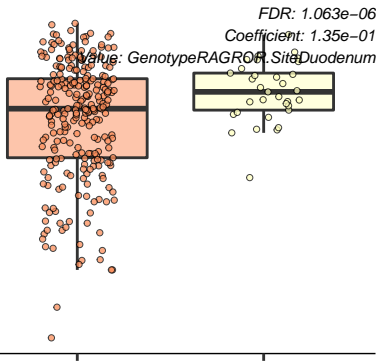
-1

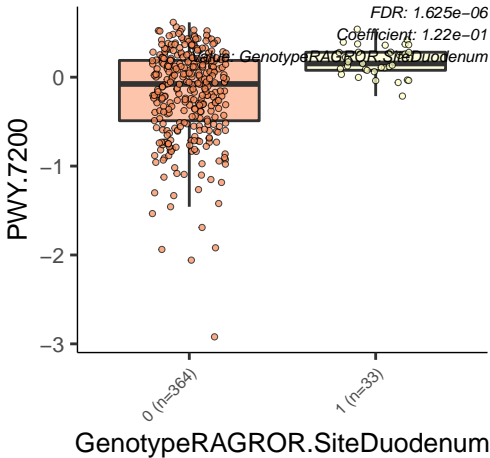
0

0 (n=364)

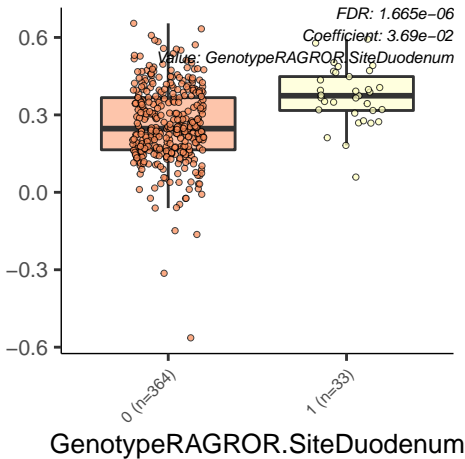
1 (n=33)

GenotypeRAGROR.SiteDuodenum

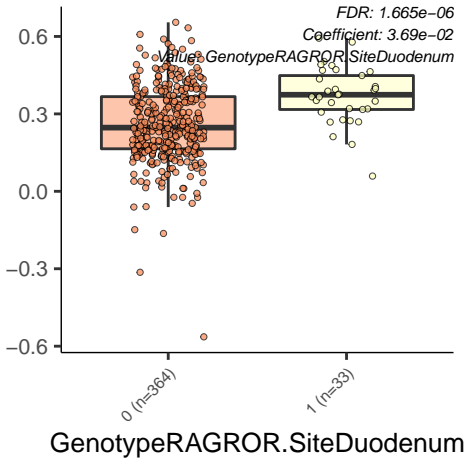


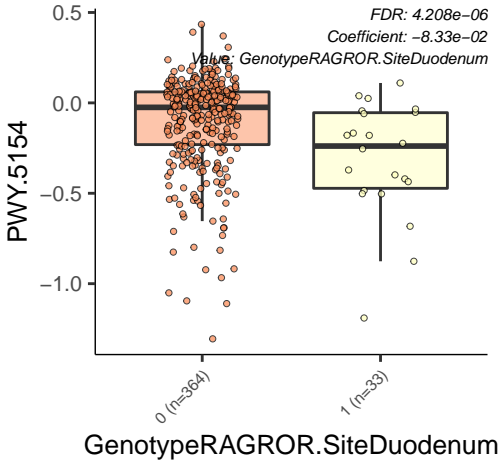


PWY.7220

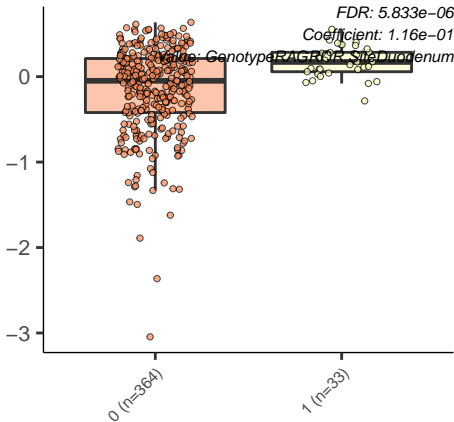


PWY.7222





PWY.7228



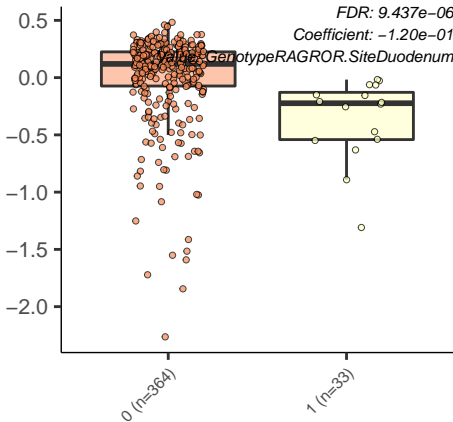
GenotypeRAGROR.SiteDuodenum

ARGSYNBSUB.PWY

FDR: 9.437e-06

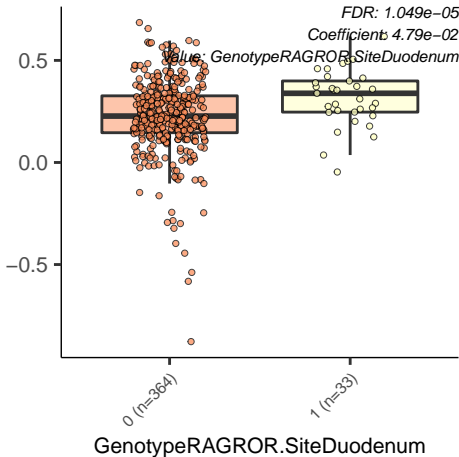
Coefficient: -1.20e-01

Value: GenotypeRAGROR.SiteDuodenum

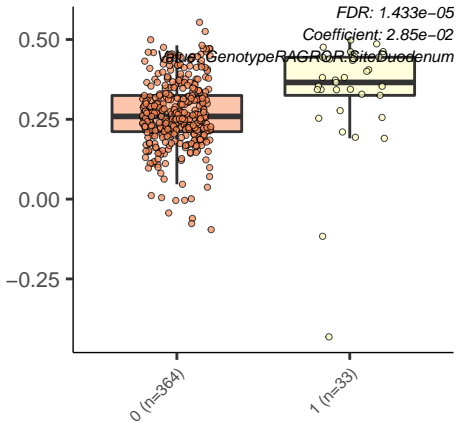


GenotypeRAGROR.SiteDuodenum

DAPLYSINESYN.PWY



X1CMET2.PWY



GenotypeRAGROR.SiteDuodenum

PWY.5695

FDR: 2.286e-05

Coefficient: 4.96e-02

Value *GenotypeRAGROR.SiteDuodenum*

0.5

0.0

-0.5

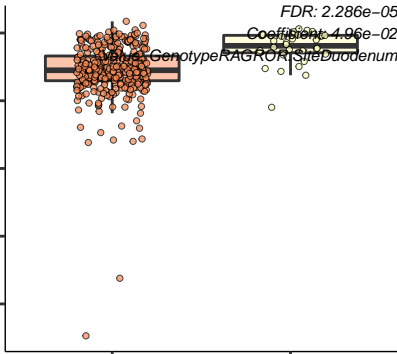
-1.0

-1.5

0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum



PYRIDNUCSAL.PWY

FDR: 3.276×10^{-5}

Coefficient: -1.32×10^{-1}

Value: GenotypeRAGROR.SiteDuodenum

0

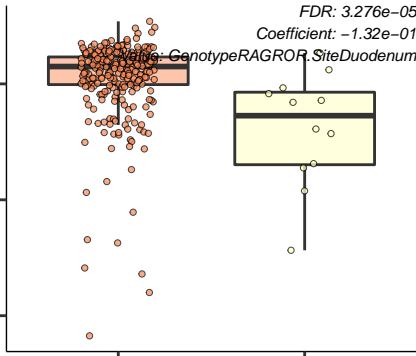
-1

-2

0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum



DENOVOPURINE2.PWY

0
-1
-2
-3

0 (n=364)

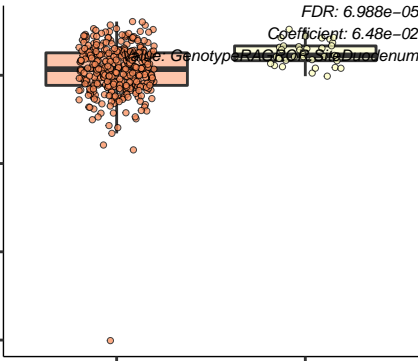
1 (n=33)

GenotypeRAGROR.SiteDuodenum

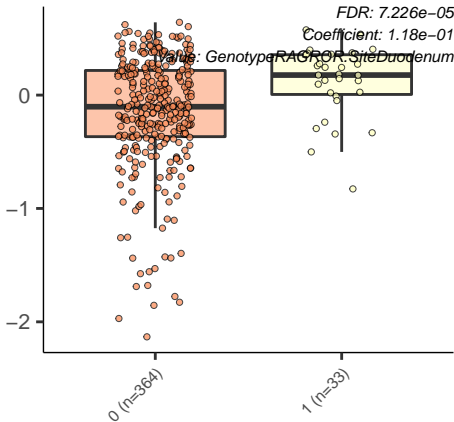
FDR: 6.988e-05

Coefficient: 6.48e-02

Value: GenotypeRAGROR.SiteDuodenum



P122.PWY



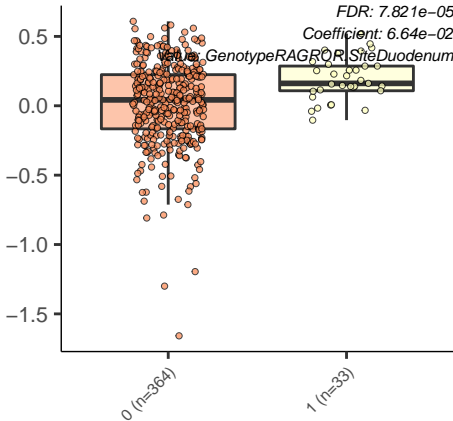
GenotypeRAGROR.SiteDuodenum

PWY0.162

FDR: 7.821e-05

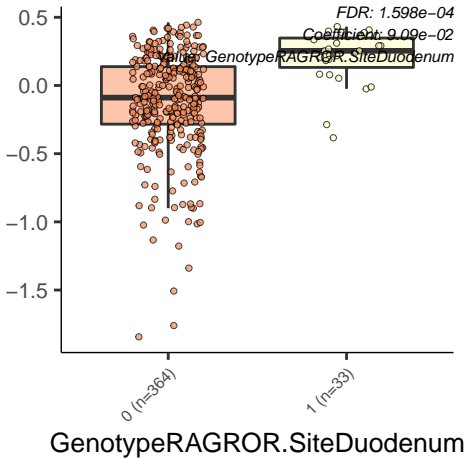
Coefficient: 6.64e-02

Value: GenotypeRAGROR.SiteDuodenum



GenotypeRAGROR.SiteDuodenum

PWY.6467



PWY.5505

FDR: 2.108e-04

Coefficient: -1.39e-01

Value GenotypeRAGROR.SiteDuodenum

0

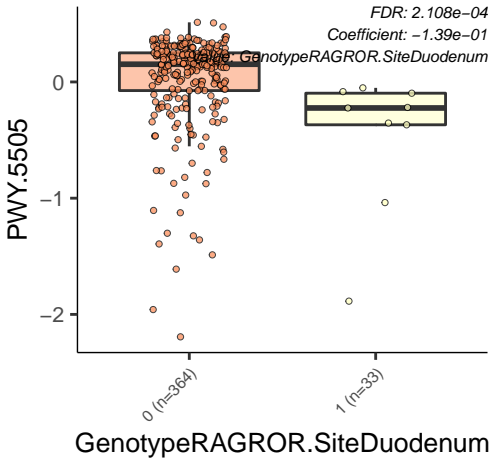
-1

-2

0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum

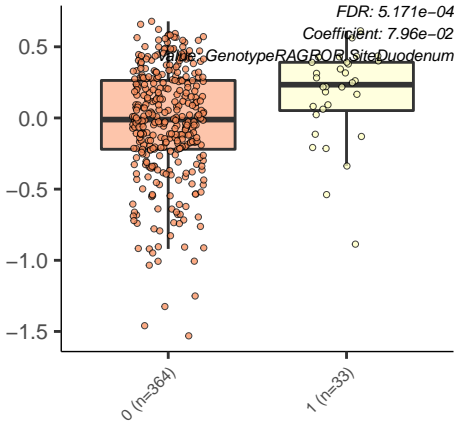


P124.PWY

FDR: 5.171e-04

Coefficient: 7.96e-02

Male GenotypeRAGROR.SiteDuodenum



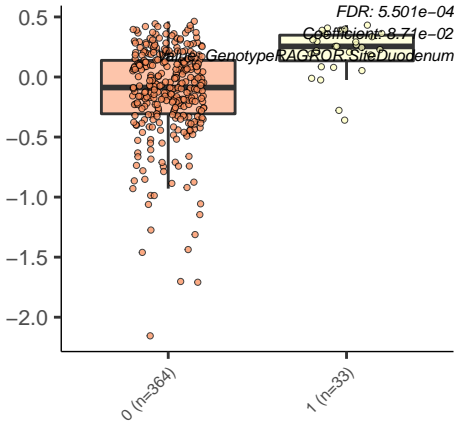
GenotypeRAGROR.SiteDuodenum

PWY.1269

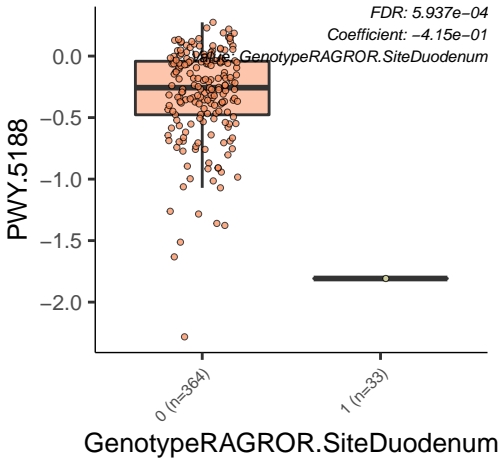
FDR: 5.501e-04

Coefficient: 8.71e-02

Value: GenotypeRAGROR.SiteDuodenum



GenotypeRAGROR.SiteDuodenum



NAGLIPASYN.PWY

FDR: $9.673e-04$

Coefficient: $8.22e-02$

Value: Genotype

RAGROR.SiteDuodenum

0.5

0.0

-0.5

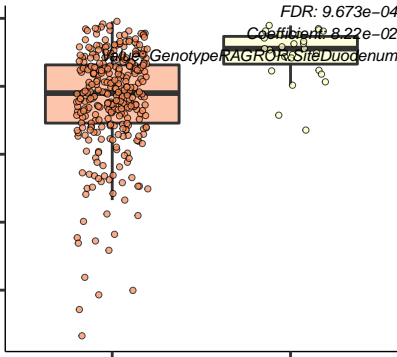
-1.0

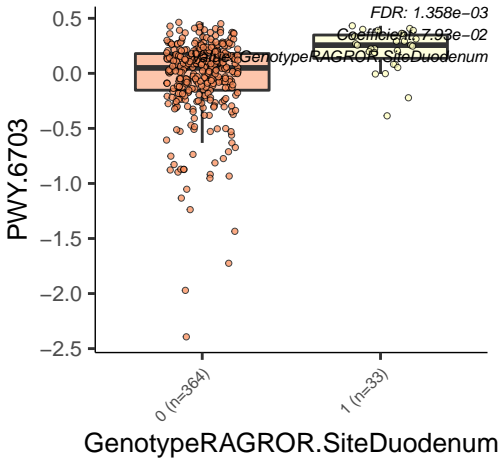
-1.5

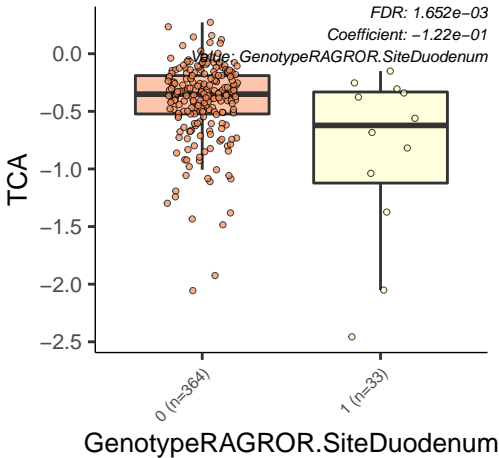
0 (n=364)

1 (n=33)

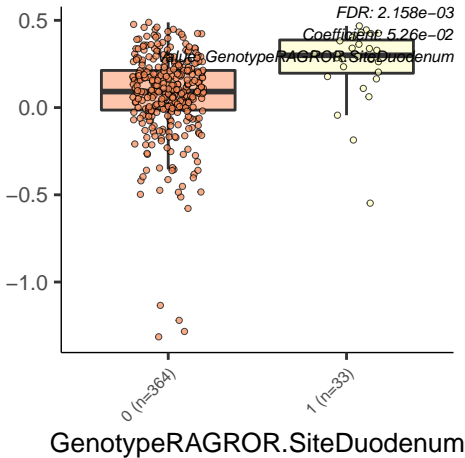
GenotypeRAGROR.SiteDuodenum







THISYN.PWY



PWY.6969

FDR: 2.476e-03

Coefficient: -7.13e-02

Value: GenotypeRAGROR.SiteDuodenum

0.0

-0.5

-1.0

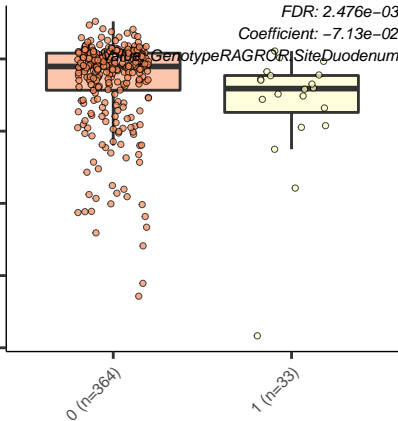
-1.5

-2.0

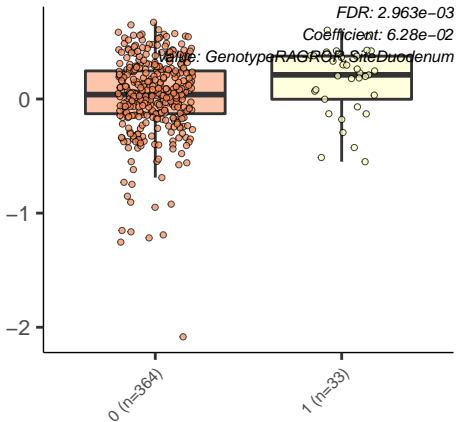
0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum

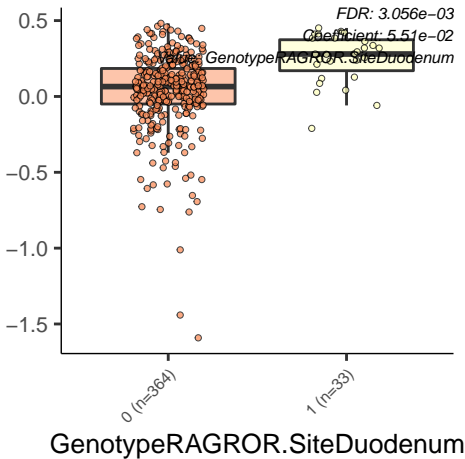


PWY.6471

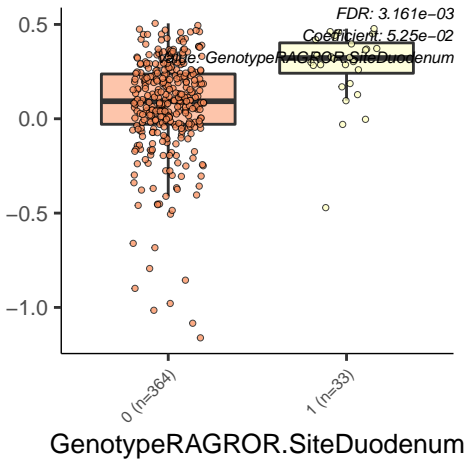


GenotypeRAGROR.SiteDuodenum

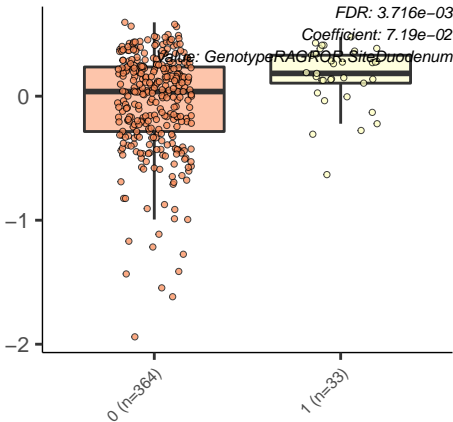
PWY.6147



P108.PWY

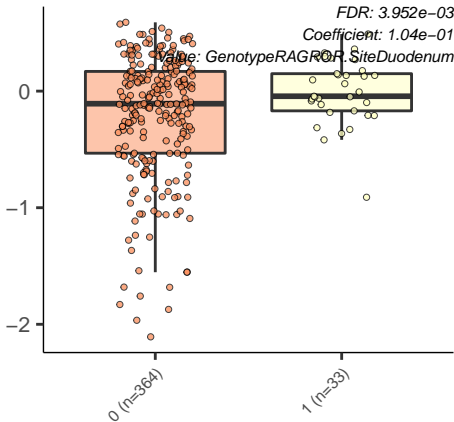


PWY.7234

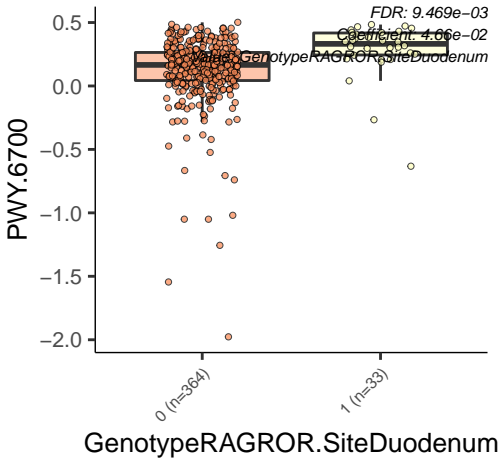


GenotypeRAGROR.SiteDuodenum

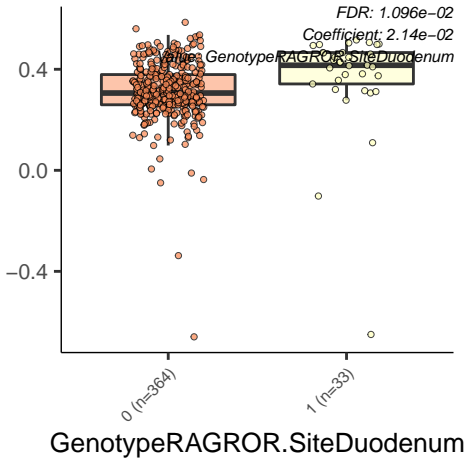
PWY.7197



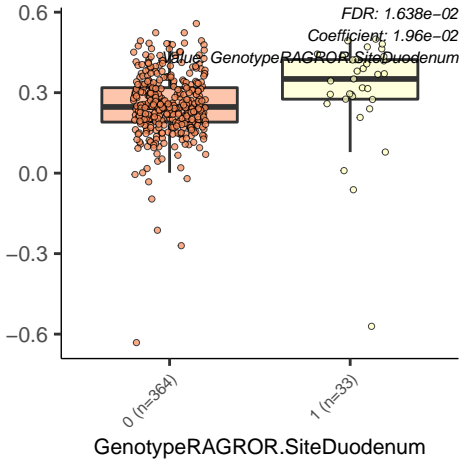
GenotypeRAGROR.SiteDuodenum



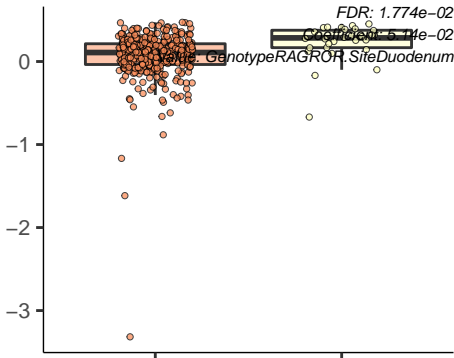
CALVIN.PWY



ANAEROFRUCAT.PWY



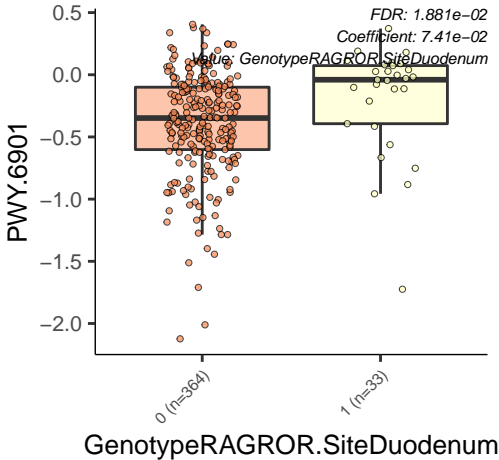
PANTO.PWY



0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum



ASPASN.PWY

FDR: 1.972e-02

Coefficient: 2.71e-02

Values GenotypeRAGROR.SiteDuodenum

0

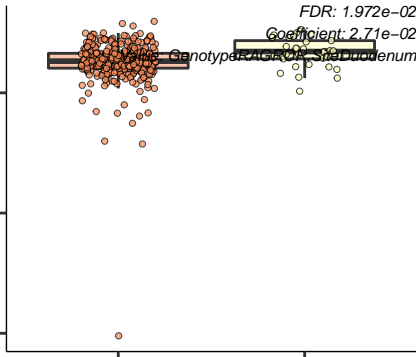
-1

-2

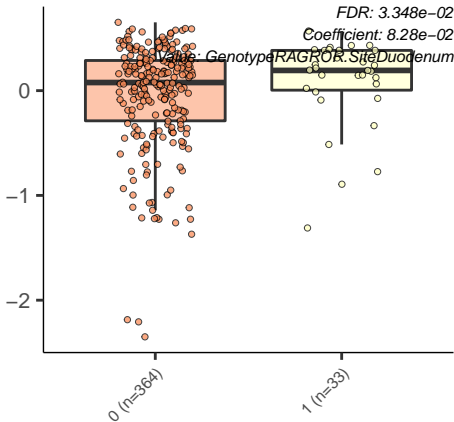
0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum



PWY.2941



GenotypeRAGROR.SiteDuodenum

PWY.7539

FDR: 3.469×10^{-2}

Coefficient: 4.25×10^{-2}

Value: GenotypeRAGROR.SiteDuodenum

0.5

0.0

-0.5

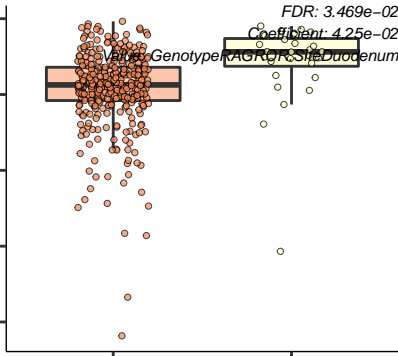
-1.0

-1.5

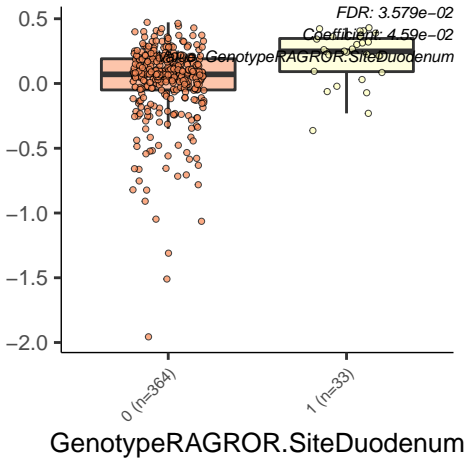
0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum



PWY.6507

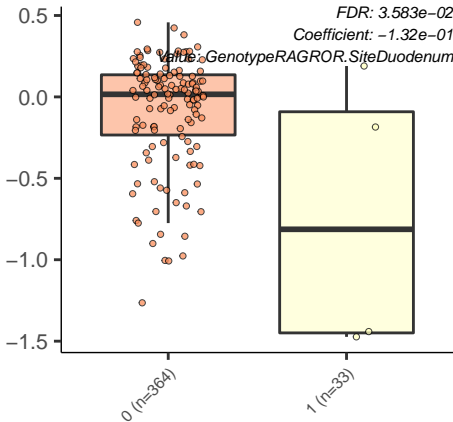


PWY.5384

FDR: 3.583e-02

Coefficient: -1.32e-01

Value: GenotypeRAGROR.SiteDuodenum



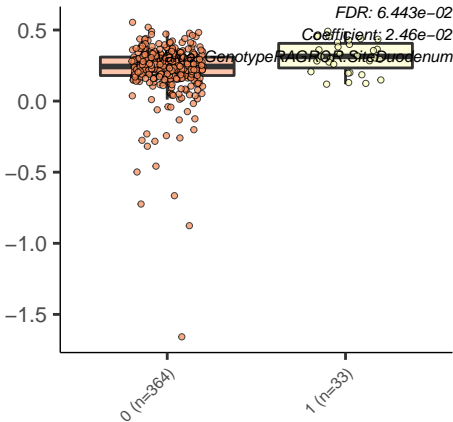
GenotypeRAGROR.SiteDuodenum

DTDPRHAMSYN.PWY

FDR: $6.443e-02$

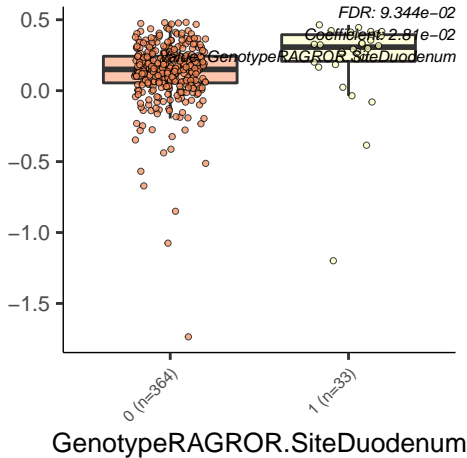
Coefficient: $2.46e-02$

Value: GenotypeRAGROR.SiteDuodenum

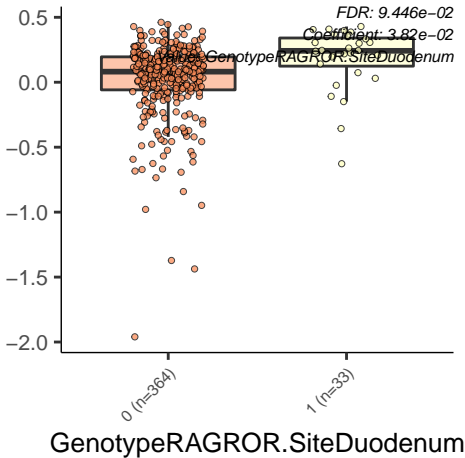


GenotypeRAGROR.SiteDuodenum

PYRIDNUCSYN.PWY



GLUCUROCAT.PWY



PWY.5104

FDR: 1.198e-01

Coefficient: 2.70e-02

Value: GenotypeRAGROR.SiteDuodenum

0

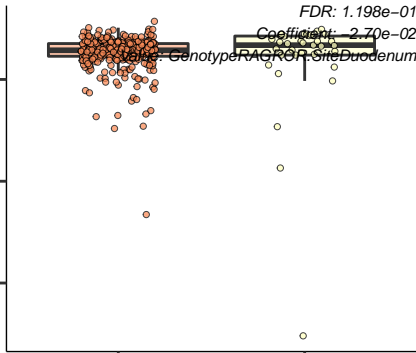
-1

-2

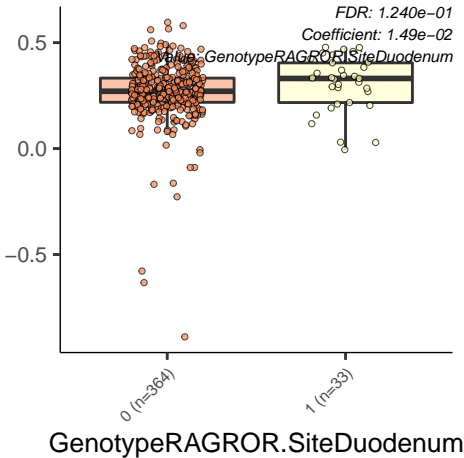
0 (n=364)

1 (n=33)

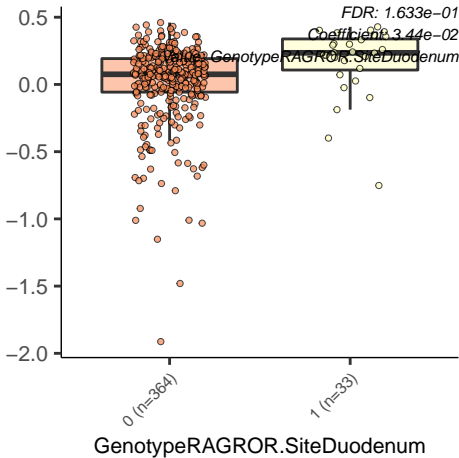
GenotypeRAGROR.SiteDuodenum



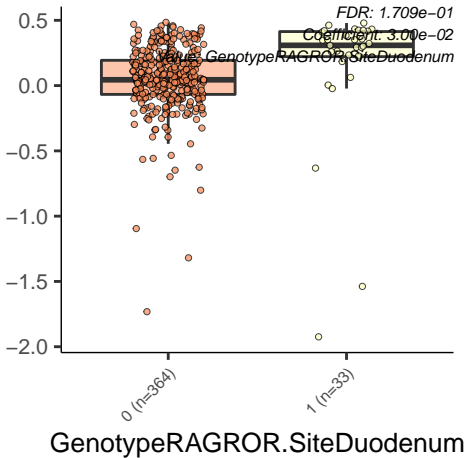
PWY.6123

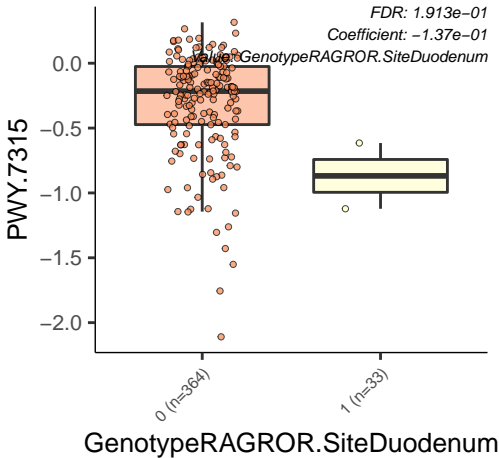


GALACT.GLUCUROCAT.PWY

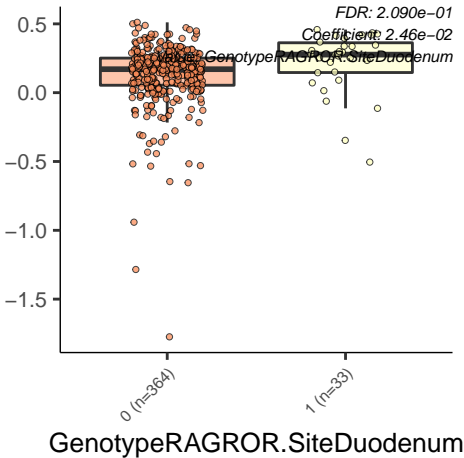


PWY.7323





PWY.6897



P461.PWY

FDR: 2.158×10^{-1}

Coefficient: -8.68×10^{-2}

Value: GenotypeRAGROR.SiteDuodenum

0

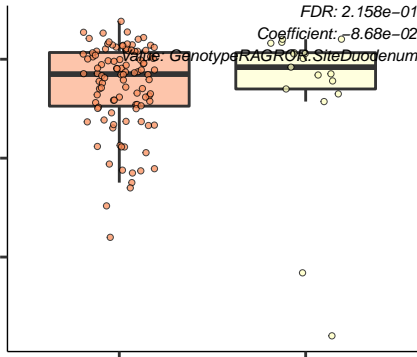
-1

-2

0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum



PWY.621

0
-1

0 (n=364)

1 (n=33)

GenotypeRAGROR.SiteDuodenum

FDR: 2.222e-01

Coefficient: -2.02e-02

P-Value: GenotypeRAGROR.SiteDuodenum

