

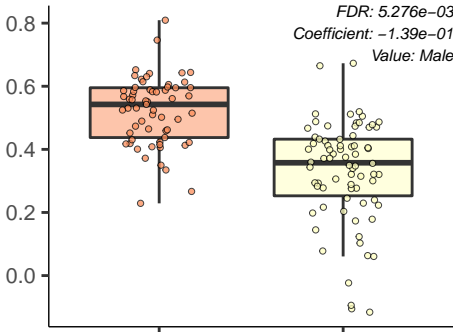
PWY.5910

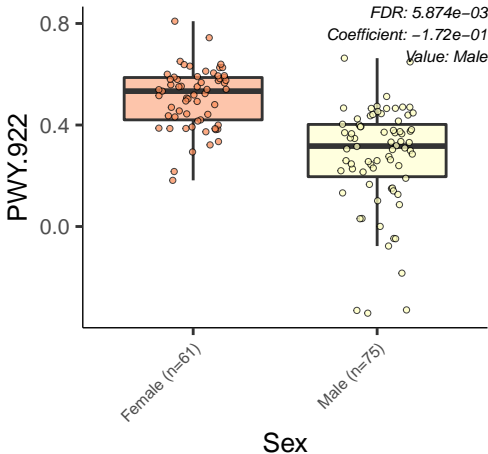
Female (n=61)

Male (n=75)

Sex

*FDR: 5.276e-03*  
*Coefficient: -1.39e-01*  
*Value: Male*





PWY.7013

Female (n=61)

Male (n=75)

Sex

FDR: 1.065e-02

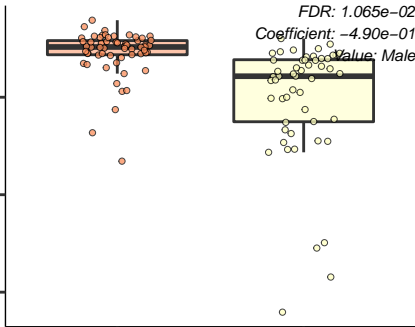
Coefficient: -4.90e-01

Value: Male

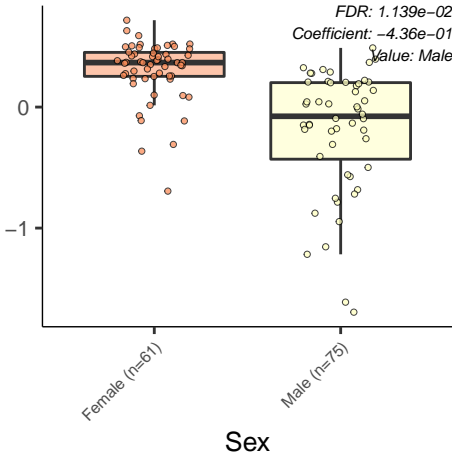
0

-1

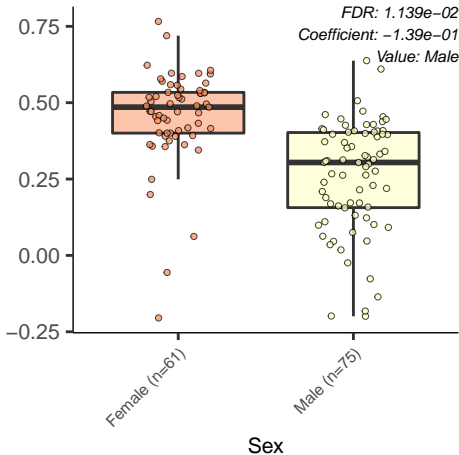
-2



PWY.5384



TEICHOICACID.PWY



OANTIGEN.PWY

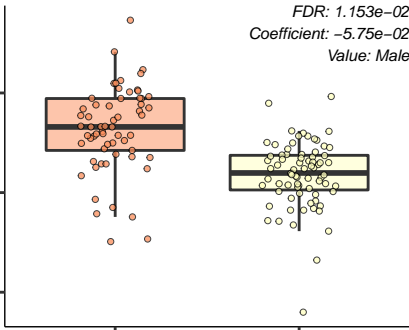
*FDR: 1.153e-02*  
*Coefficient: -5.75e-02*  
*Value: Male*

Female (n=61)

Male (n=75)

Sex

0.2  
0.4  
0.6



ILEUSYN.PWY

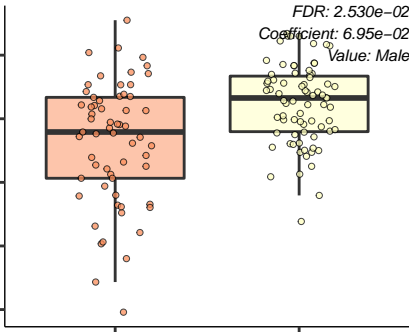
0.5  
0.4  
0.3  
0.2  
0.1

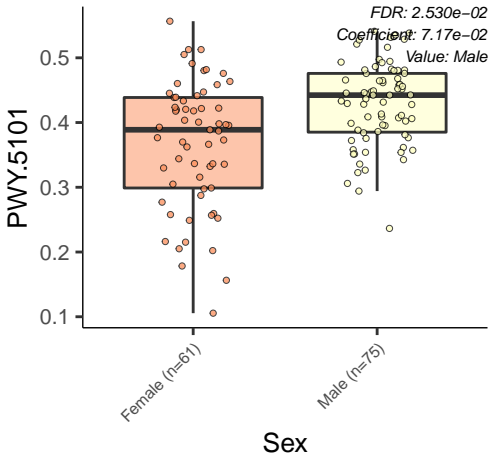
Female (n=61)

Male (n=75)

Sex

*FDR: 2.530e-02*  
*Coefficient: 6.95e-02*  
*Value: Male*







VALSYN.PWY

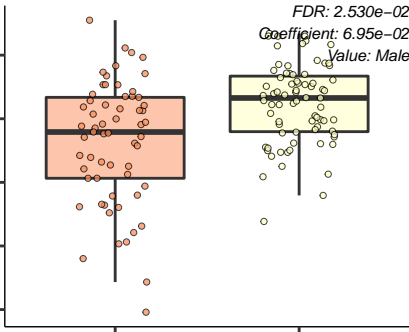
0.5  
0.4  
0.3  
0.2  
0.1

Female (n=61)

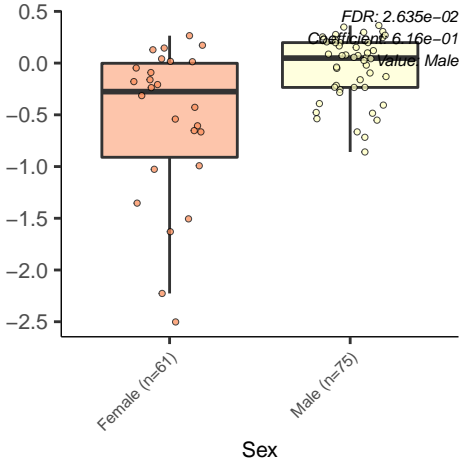
Male (n=75)

Sex

FDR: 2.530e-02  
Coefficient: 6.95e-02  
Value: Male



NAD.BIOSYNTHESIS.II



P341.PWY

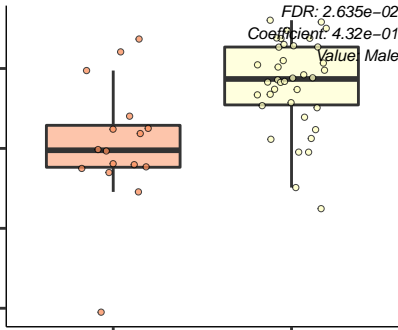
0.0  
-0.5  
-1.0  
-1.5

Female (n=61)

Male (n=75)

Sex

FDR: 2.635e-02  
Coefficient: 4.32e-01  
Value: Male



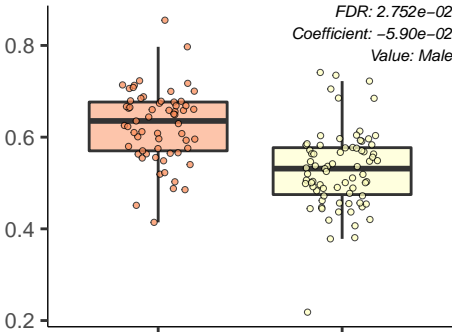
PWY.7220

Female (n=61)

Male (n=75)

Sex

FDR:  $2.752e-02$   
Coefficient:  $-5.90e-02$   
Value: Male



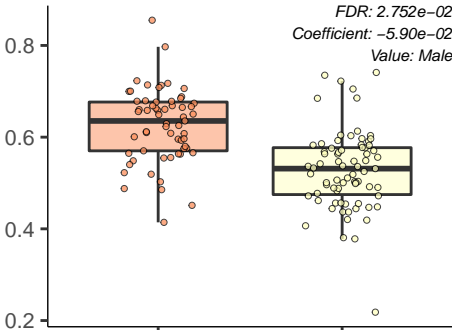
PWY.7222

Female (n=61)

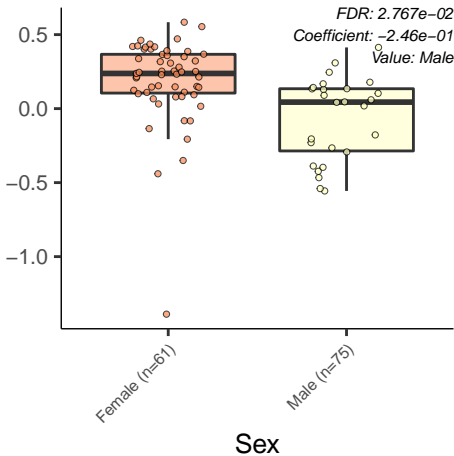
Male (n=75)

Sex

FDR:  $2.752e-02$   
Coefficient:  $-5.90e-02$   
Value: Male



GOLPDL CAT.PWY



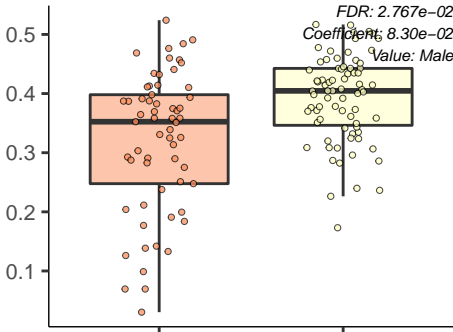
PWY.5103

Female (n=61)

Male (n=75)

Sex

FDR: 2.767e-02  
Coefficient: 8.30e-02  
Value: Male



PWY.5695

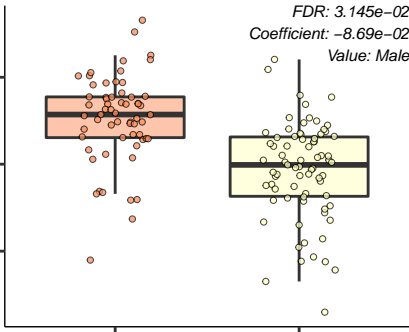
Female (n=61)

Male (n=75)

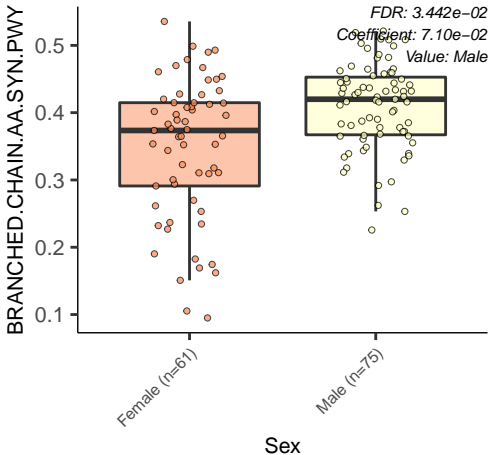
Sex

FDR:  $3.145 \times 10^{-2}$   
Coefficient:  $-8.69 \times 10^{-2}$   
Value: Male

0.6  
0.4  
0.2







PWY.71111

Female (n=61)

Male (n=75)

Sex

FDR:  $3.754e-02$

Coefficient:  $6.37e-02$

Value: Male

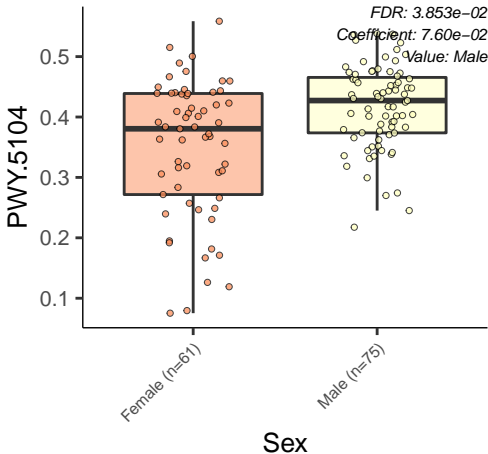
0.5

0.4

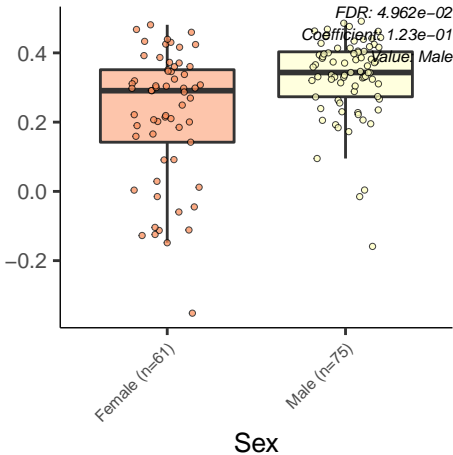
0.3

0.2

0.1



HISTSYN.PWY



PWY.5484

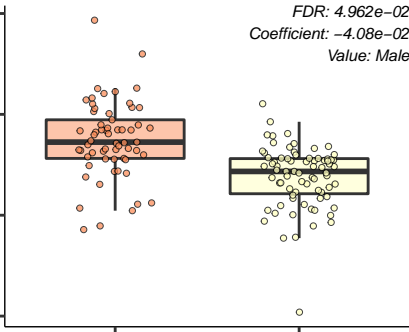
0.8  
0.6  
0.4  
0.2

Female (n=61)

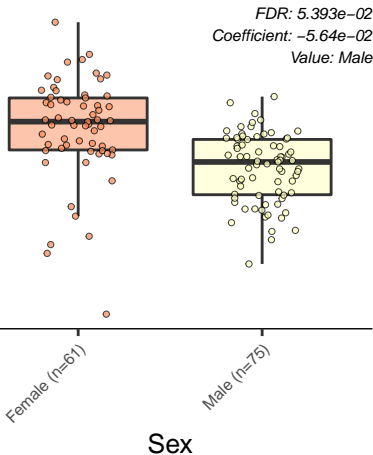
Male (n=75)

Sex

FDR:  $4.962e-02$   
Coefficient:  $-4.08e-02$   
Value: Male



DTDPRHAMSYN.PWY



P122.PWY

0.5

0.0

Female (n=61)

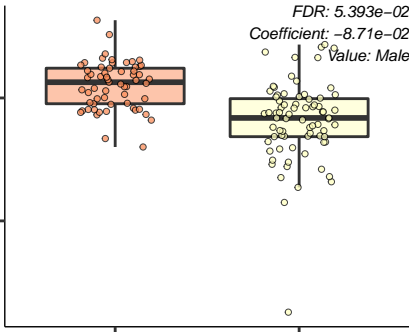
Male (n=75)

Sex

*FDR: 5.393e-02*

*Coefficient: -8.71e-02*

*Value: Male*



ANAEROFRUCAT.PWY

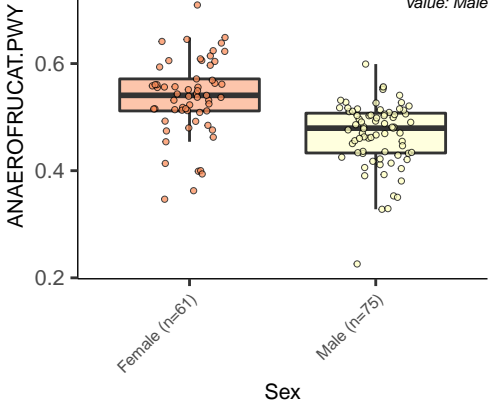
0.8  
0.6  
0.4  
0.2

Female (n=61)

Male (n=75)

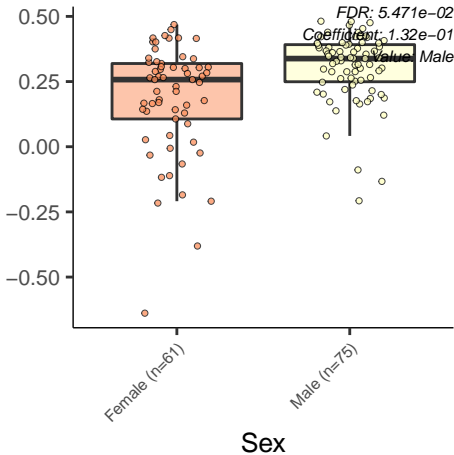
Sex

FDR:  $5.447e-02$   
Coefficient:  $-4.21e-02$   
Value: Male

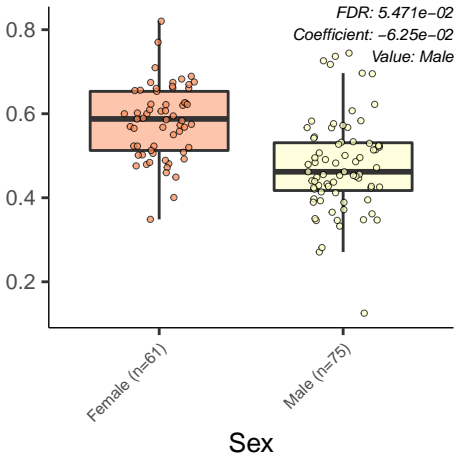




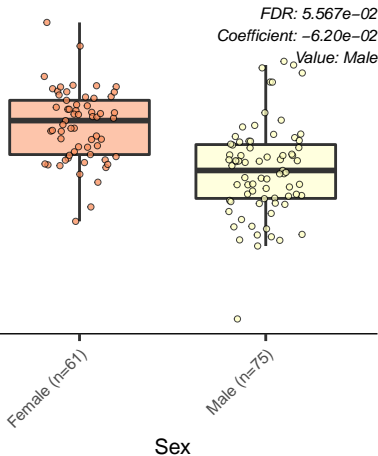
GLUTORN.PWY



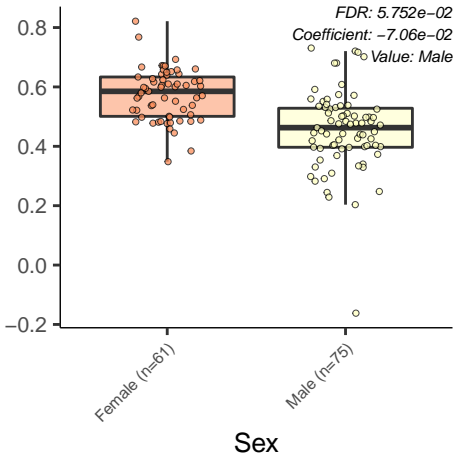
P161.PWY



POLYISOPRENSYN.PWY



P124.PWY



GLUCONEO.PWY

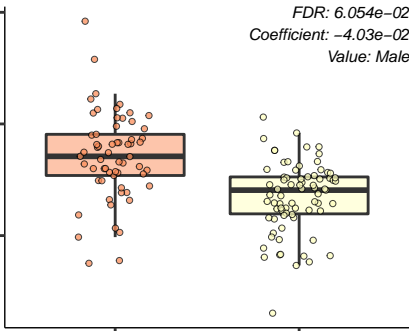
0.8  
0.6  
0.4

Female (n=61)

Male (n=75)

Sex

*FDR: 6.054e-02*  
*Coefficient: -4.03e-02*  
*Value: Male*

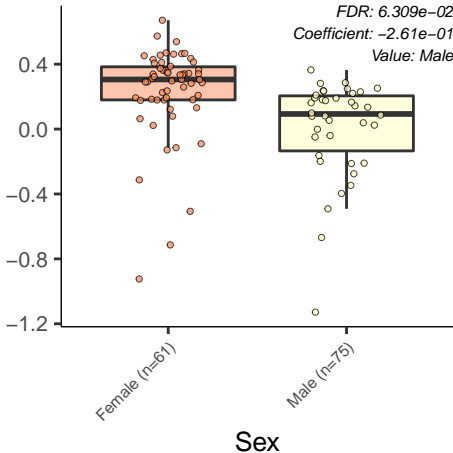


PWY.7377

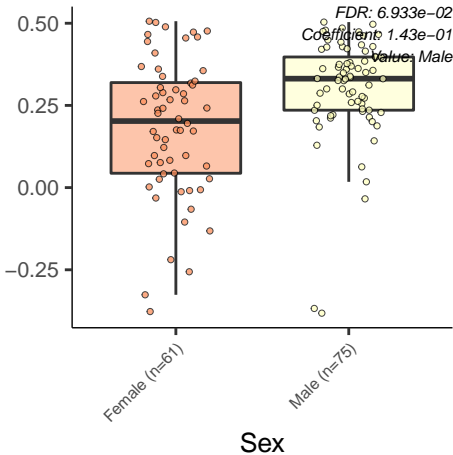
*FDR: 6.309e-02*

*Coefficient: -2.61e-01*

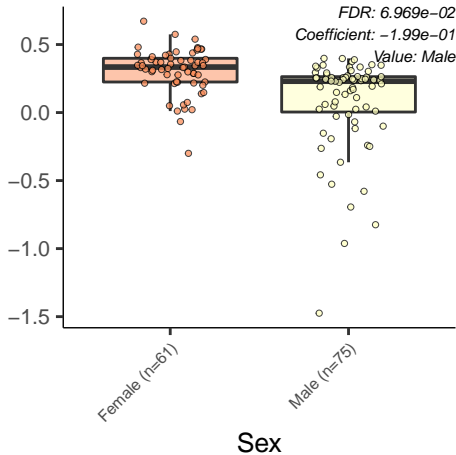
*Value: Male*



PWY.1861



PWY.5189





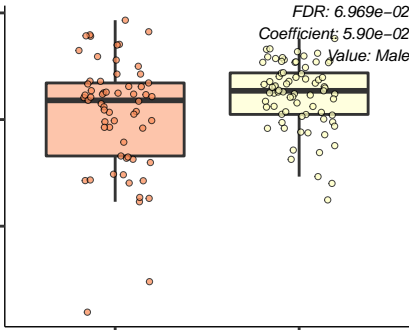
PWY.6737

Female (n=61)

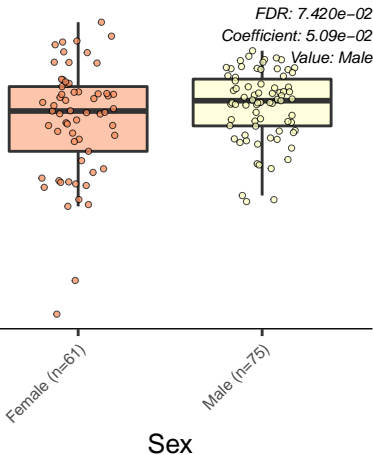
Male (n=75)

Sex

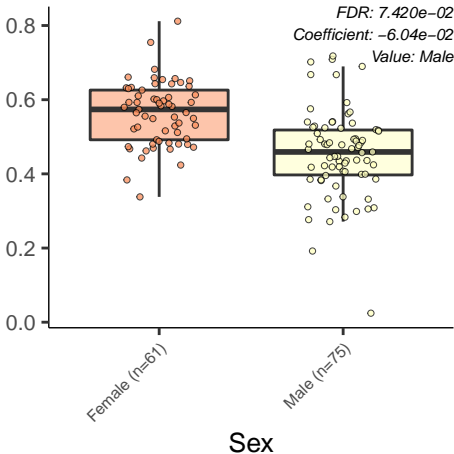
*FDR: 6.969e-02*  
*Coefficient: 5.90e-02*  
*Value: Male*



GLYCOCAT.PWY



PWY.6471



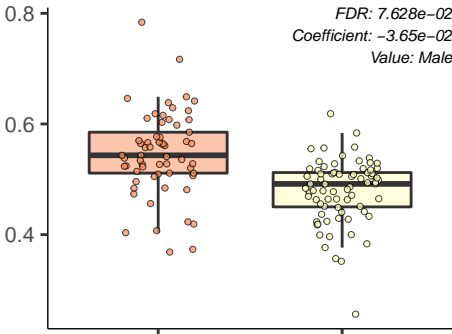
GLYCOLYSIS

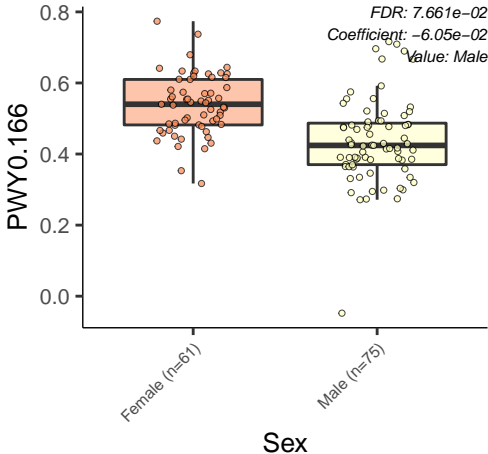
Female (n=61)

Male (n=75)

Sex

FDR:  $7.628e-02$   
Coefficient:  $-3.65e-02$   
Value: Male





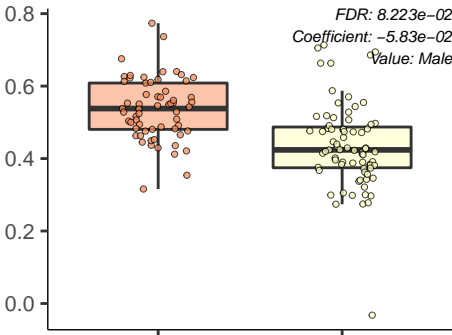
PWY.7187

Female (n=61)

Male (n=75)

Sex

*FDR: 8.223e-02*  
*Coefficient: -5.83e-02*  
*Value: Male*



COMPLETE.ARO.PWY

0.4

0.2

0.0

Female (n=61)

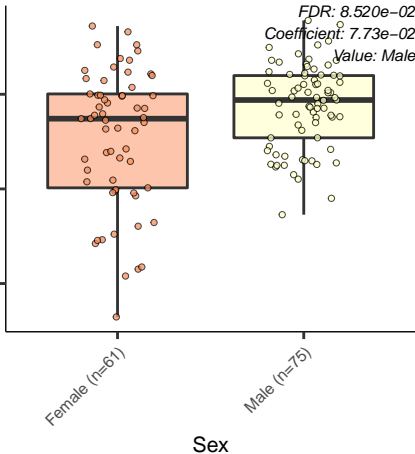
Male (n=75)

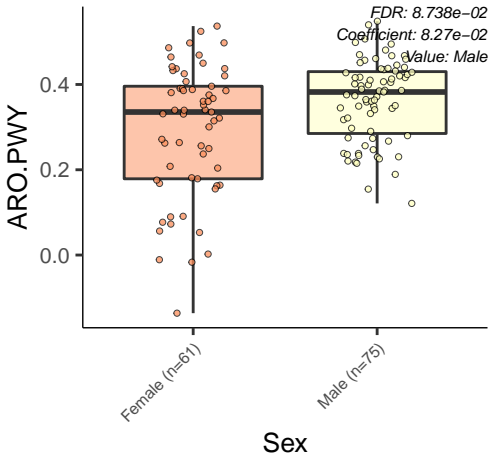
Sex

*FDR: 8.520e-02*

*Coefficient: 7.73e-02*

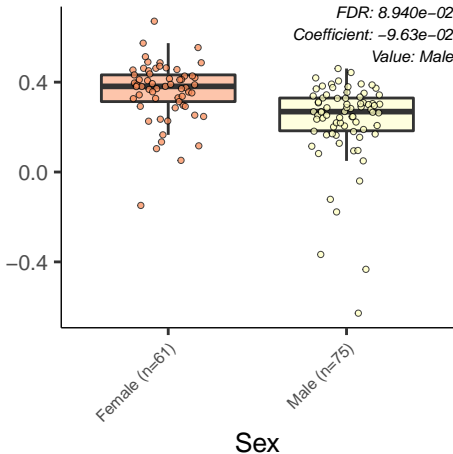
*Value: Male*



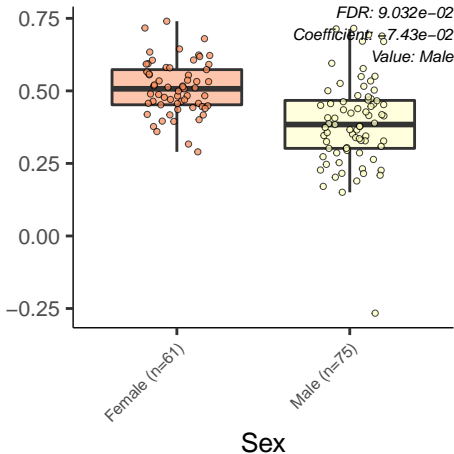


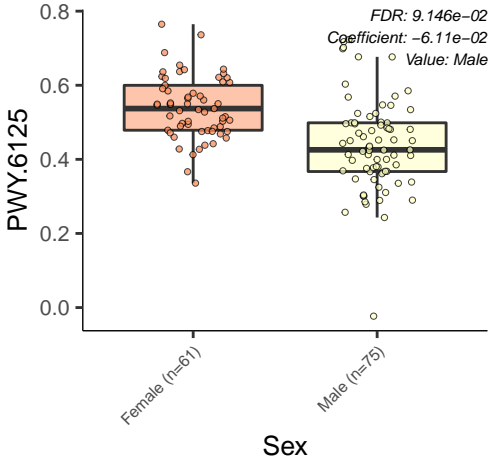


PWY.7539

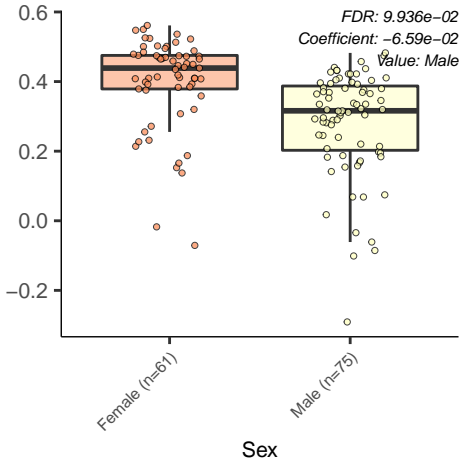


PWY.7184





FERMENTATION.PWY



PWY.7228

Female (n=61)

Male (n=75)

Sex

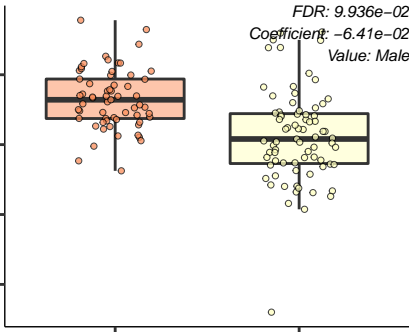
*FDR: 9.936e-02*  
*Coefficient: -6.41e-02*  
*Value: Male*

0.6

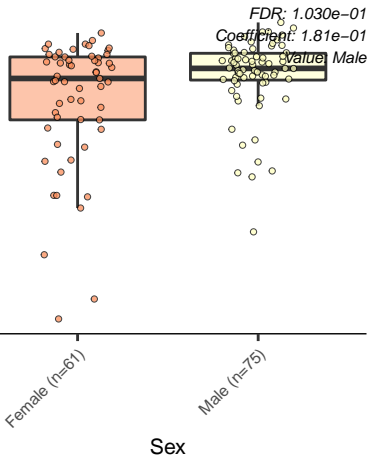
0.4

0.2

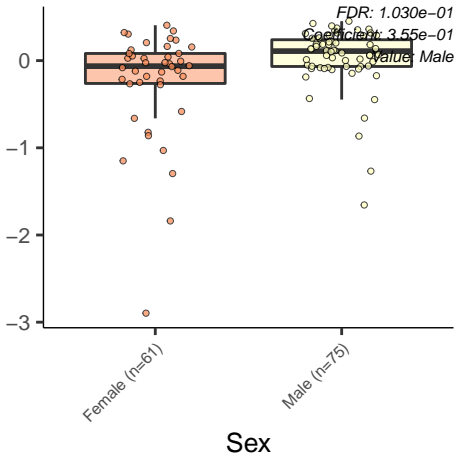
0.0



GALACTUROCAT.PWY



PWY.6608



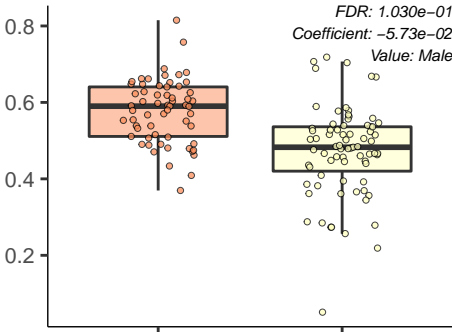
PWY0.1586

Female (n=61)

Male (n=75)

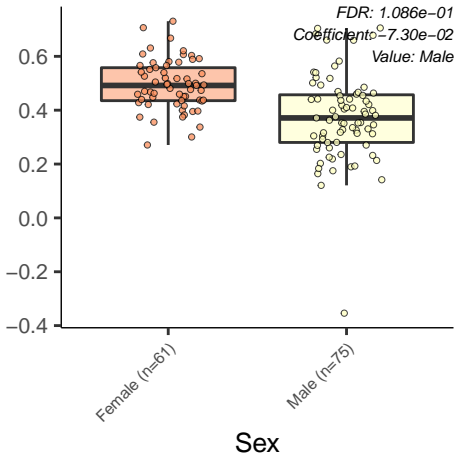
Sex

*FDR: 1.030e-01*  
*Coefficient: -5.73e-02*  
*Value: Male*

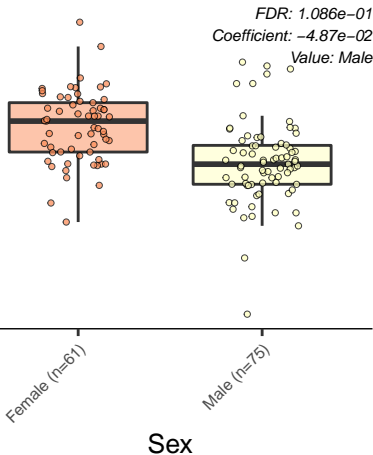




PWY.7197



UDPNAGSYN.PWY



PWY.7229

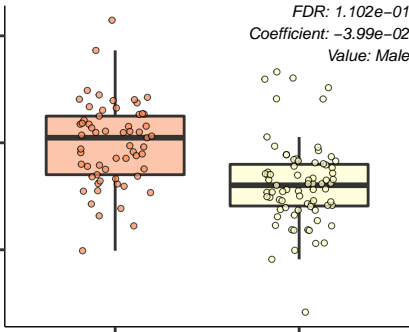
0.8  
0.6  
0.4

Female (n=61)

Male (n=75)

Sex

*FDR: 1.102e-01*  
*Coefficient: -3.99e-02*  
*Value: Male*



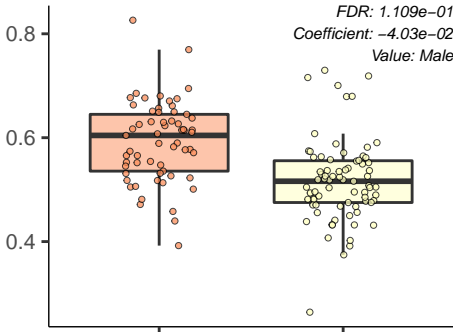
PWY.6126

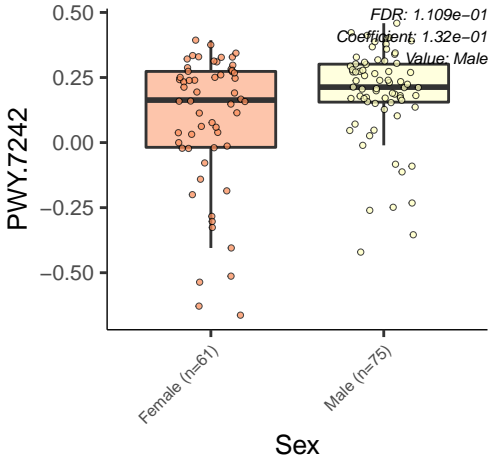
Female (n=61)

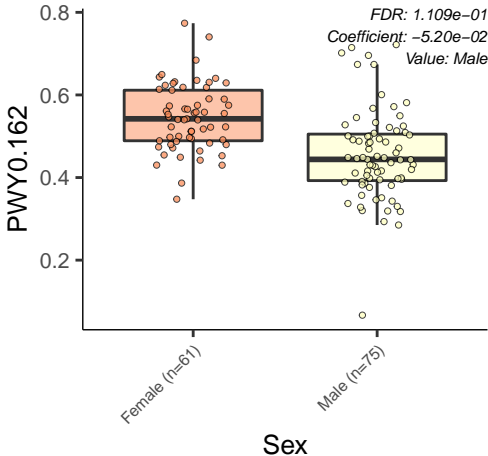
Male (n=75)

Sex

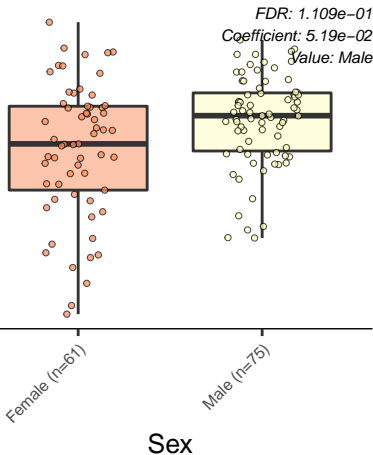
FDR: 1.109e-01  
Coefficient:  $-4.03e-02$   
Value: Male



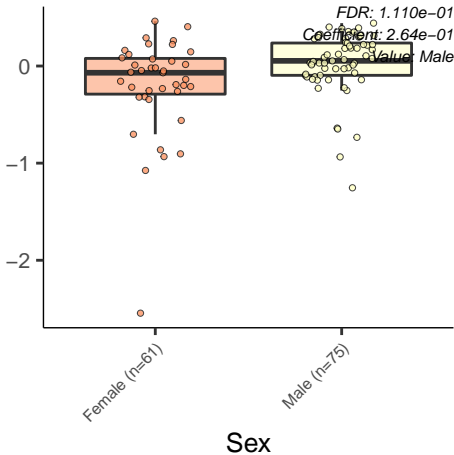




SER.GLYSYN.PWY



P164.PWY





PWY.5188

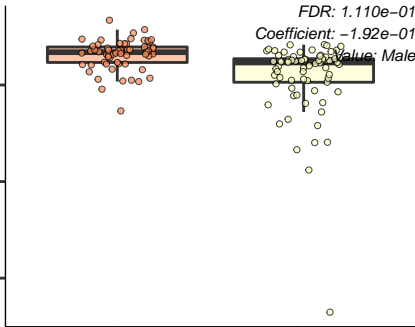
0  
-1  
-2

Female (n=61)

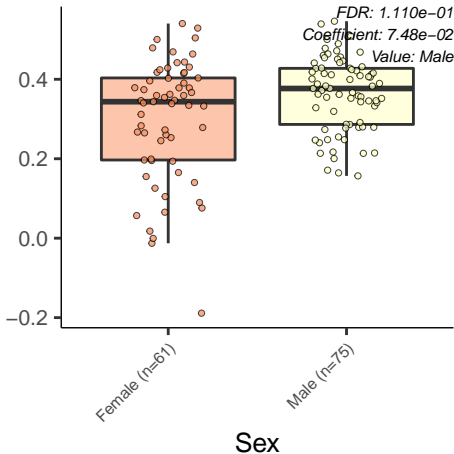
Male (n=75)

Sex

*FDR: 1.110e-01*  
*Coefficient: -1.92e-01*  
*Value: Male*



PWY.6163



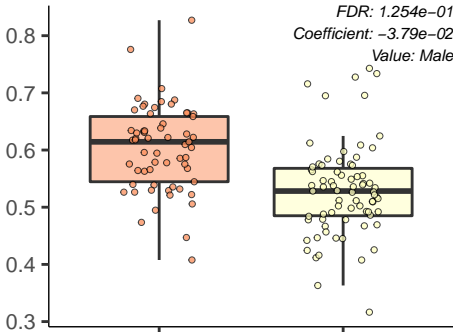
PWY.5100

Female (n=61)

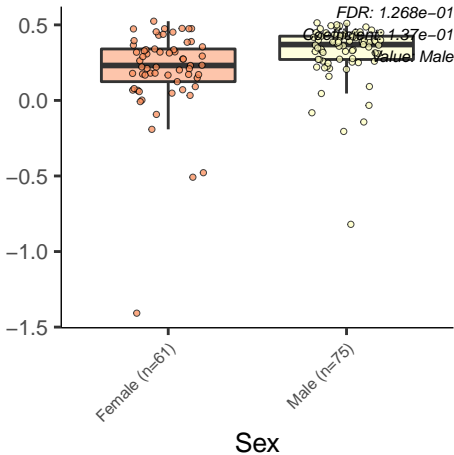
Male (n=75)

Sex

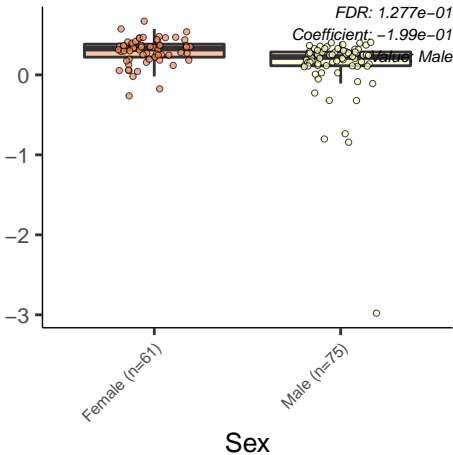
FDR: 1.254e-01  
Coefficient: -3.79e-02  
Value: Male



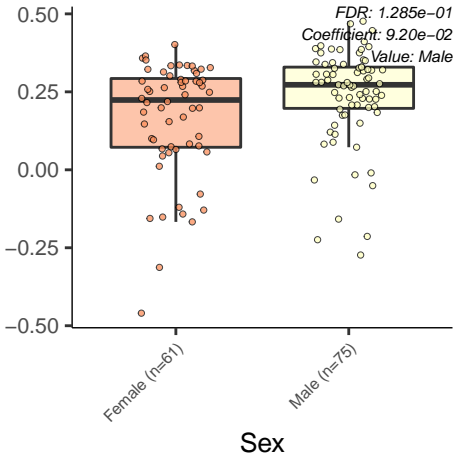
PWY.5505



COBALSYN.PWY



TRPSYN.PWY



PWY.6317

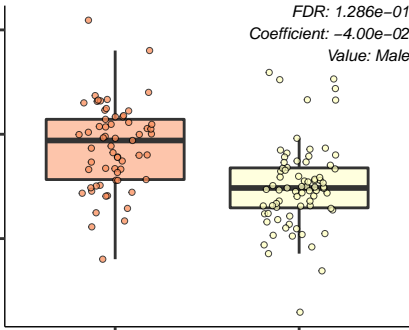
Female (n=61)

Male (n=75)

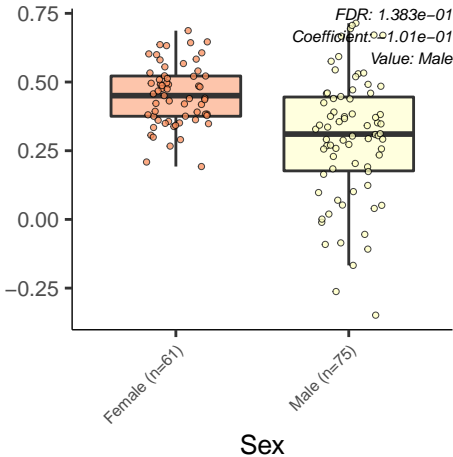
Sex

FDR: 1.286e-01  
Coefficient: -4.00e-02  
Value: Male

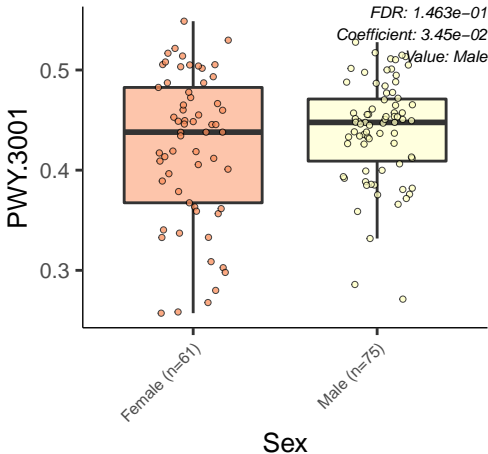
0.8  
0.6  
0.4



LACTOSECAT.PWY







COA.PWY

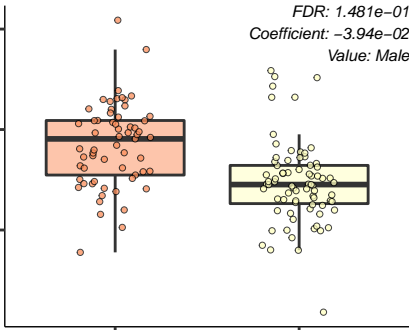
0.8  
0.6  
0.4

Female (n=61)

Male (n=75)

Sex

*FDR: 1.481e-01*  
*Coefficient: -3.94e-02*  
*Value: Male*



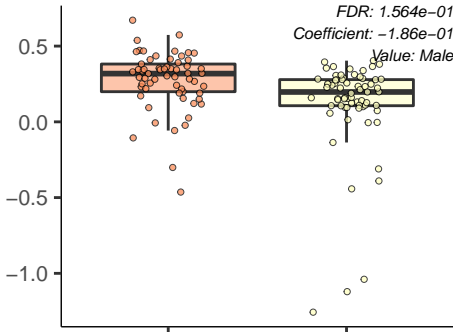
PWY.6269

Female (n=61)

Male (n=75)

Sex

*FDR: 1.564e-01*  
*Coefficient: -1.86e-01*  
*Value: Male*



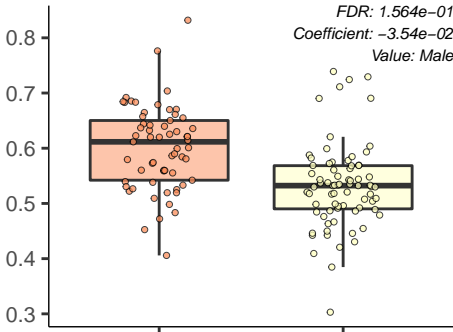
PWY.7208

Female (n=61)

Male (n=75)

Sex

FDR: 1.564e-01  
Coefficient: -3.54e-02  
Value: Male



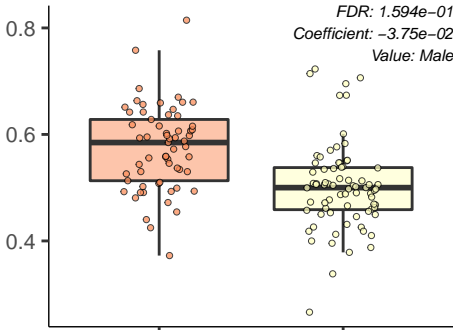
PWY.6385

Female (n=61)

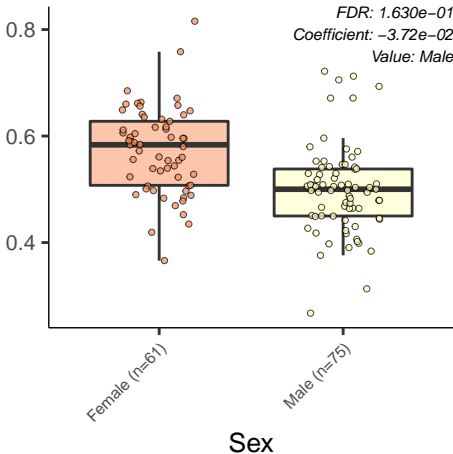
Male (n=75)

Sex

FDR: 1.594e-01  
Coefficient: -3.75e-02  
Value: Male



PWY4FS.7



PWY4FS.8

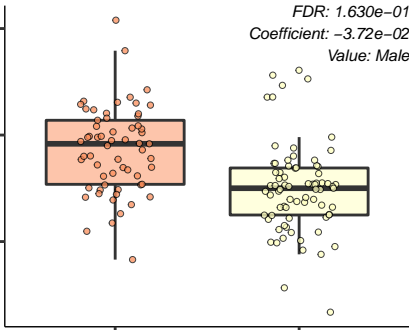
0.8  
0.6  
0.4

Female (n=61)

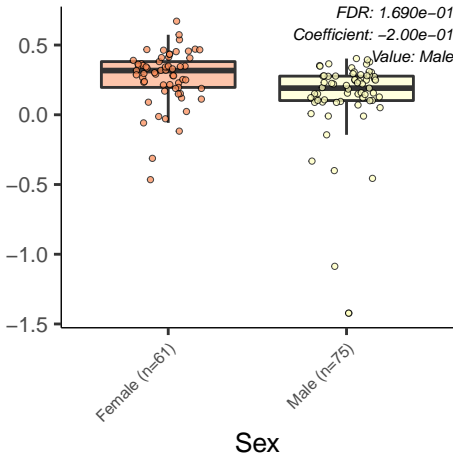
Male (n=75)

Sex

*FDR: 1.630e-01*  
*Coefficient: -3.72e-02*  
*Value: Male*



PWY.5509





X1CMET2.PWY

0.4

0.2

0.0

Female (n=61)

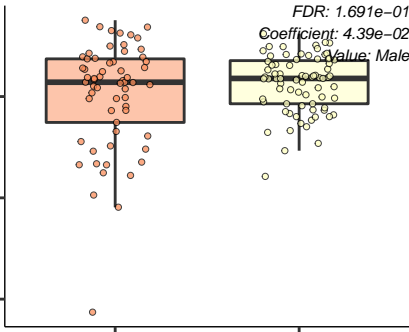
Male (n=75)

Sex

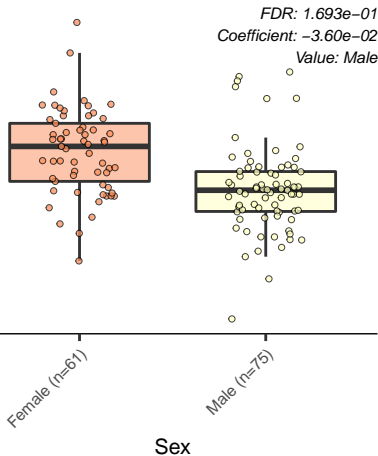
*FDR: 1.691e-01*

*Coefficient: 4.39e-02*

*P-value: Male*



PEPTIDOGLYCANSYN.PWY



PHOSLIPSYN.PWY

*FDR: 1.693e-01*

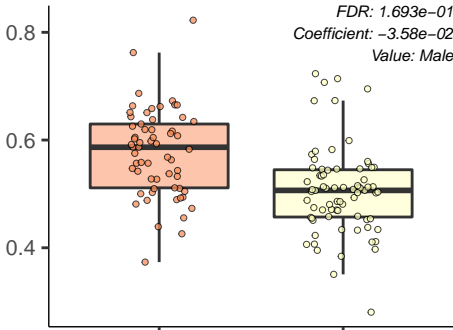
*Coefficient: -3.58e-02*

*Value: Male*

Female (n=61)

Male (n=75)

Sex



PWY.4984

FDR: 1.693e-01

Coefficient: -2.35e-01

Value Male

0

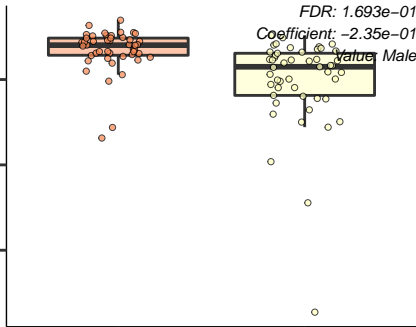
-1

-2

Female (n=61)

Male (n=75)

Sex



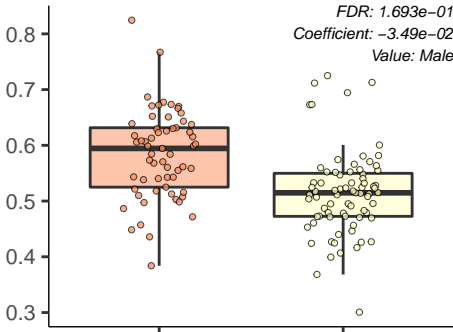
PWY.5686

Female (n=61)

Male (n=75)

Sex

FDR:  $1.693e-01$   
Coefficient:  $-3.49e-02$   
Value: Male



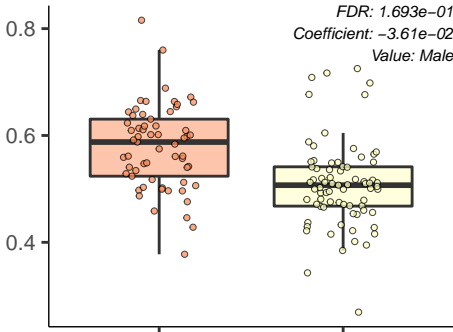
PWY.6387

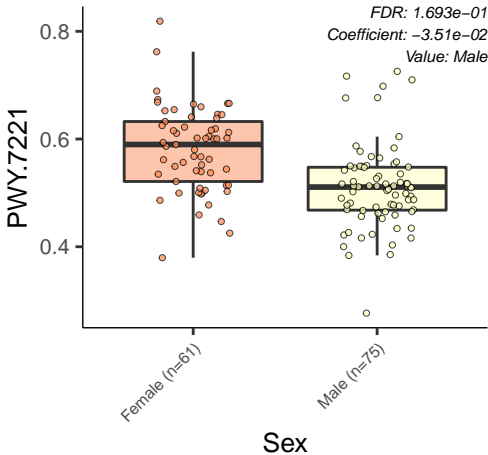
Female (n=61)

Male (n=75)

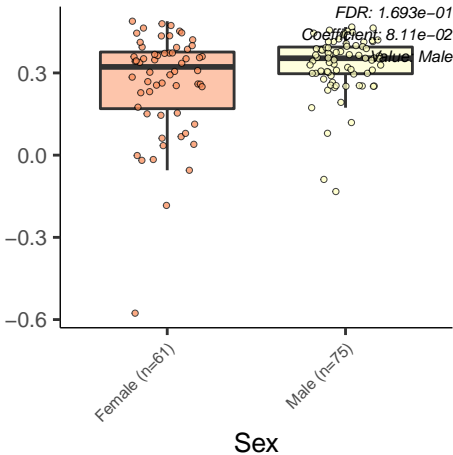
Sex

FDR: 1.693e-01  
Coefficient: -3.61e-02  
Value: Male





PYRIDNUCSYN.PWY





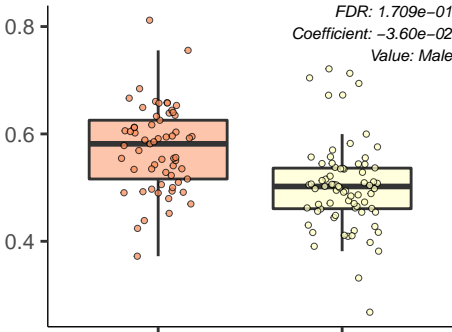
PWY.6386

Female (n=61)

Male (n=75)

Sex

FDR: 1.709e-01  
Coefficient: -3.60e-02  
Value: Male



ANAGLYCOLYSIS.PWY

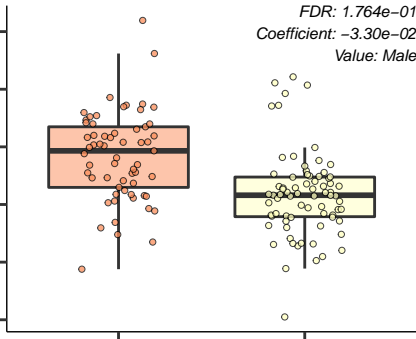
0.8  
0.7  
0.6  
0.5  
0.4  
0.3

Female (n=61)

Male (n=75)

Sex

FDR: 1.764e-01  
Coefficient: -3.30e-02  
Value: Male



PWY.6151

Female (n=61)

Male (n=75)

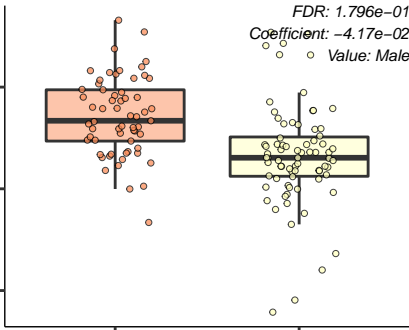
Sex

FDR:  $1.796e-01$   
Coefficient:  $-4.17e-02$   
Value: Male

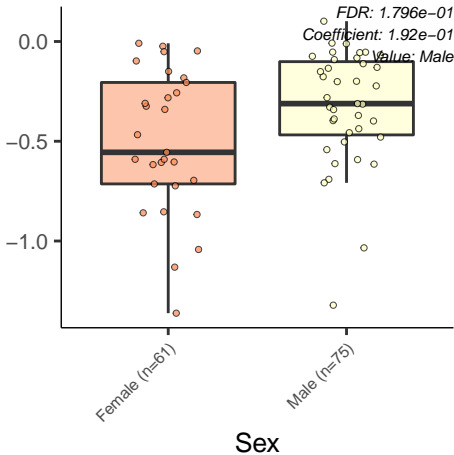
0.6

0.4

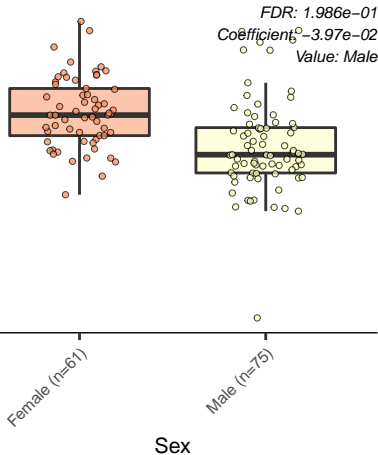
0.2



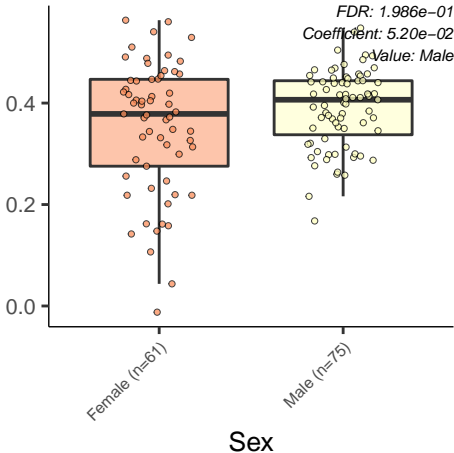
PWY0.1241



DENOVO PURINE2.PWY



NONMEVIPP.PWY



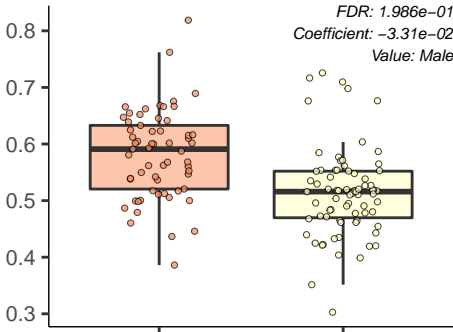
PWY.5667

Female (n=61)

Male (n=75)

Sex

FDR: 1.986e-01  
Coefficient: -3.31e-02  
Value: Male



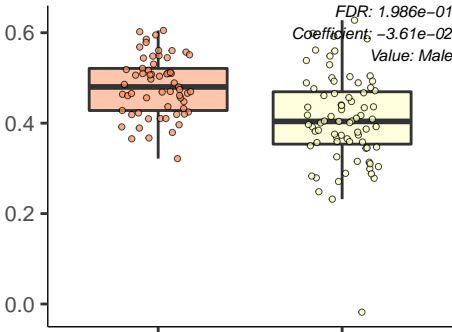
PWY.7196

Female (n=61)

Male (n=75)

Sex

FDR:  $1.986 \times 10^{-1}$   
Coefficient:  $-3.61 \times 10^{-2}$   
Value: Male





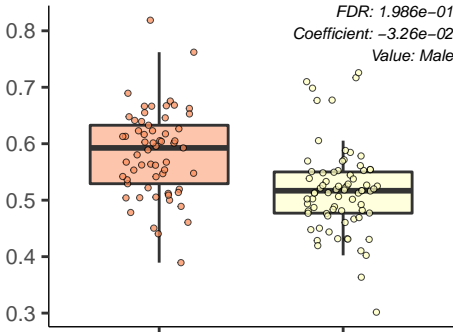
PWY.7219

Female (n=61)

Male (n=75)

Sex

FDR:  $1.986e-01$   
Coefficient:  $-3.26e-02$   
Value: Male



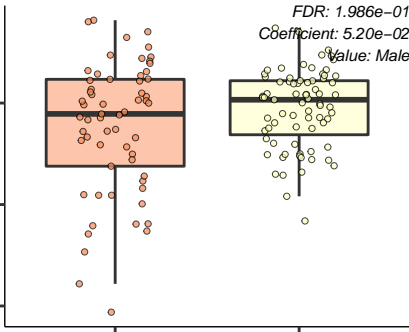
PWY.7560

Female (n=61)

Male (n=75)

Sex

FDR: 1.986e-01  
Coefficient: 5.20e-02  
Value: Male



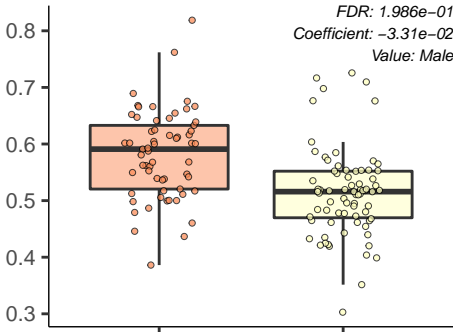
PWY0.1319

Female (n=61)

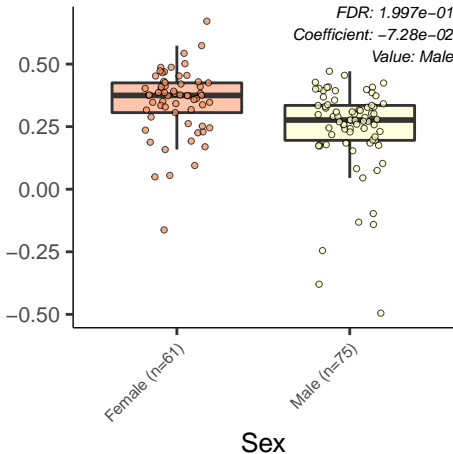
Male (n=75)

Sex

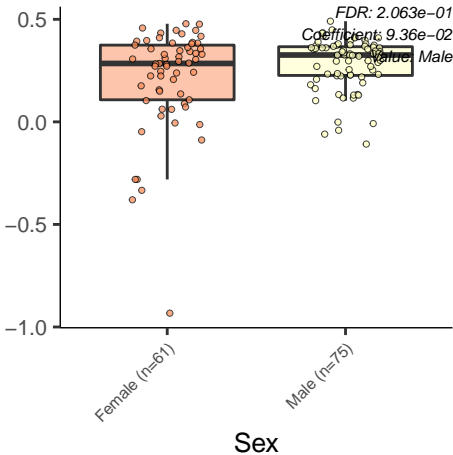
FDR: 1.986e-01  
Coefficient: -3.31e-02  
Value: Male



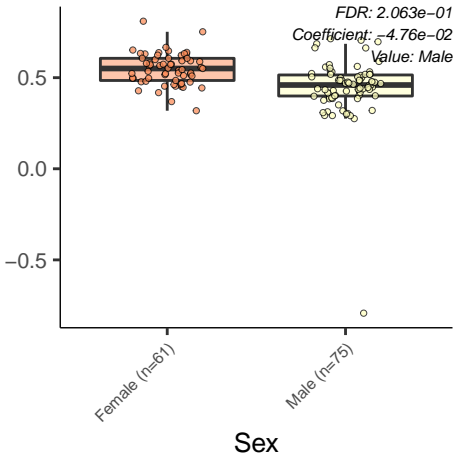
PWY.6147



P42.PWY



PWY.2941



PWY.841

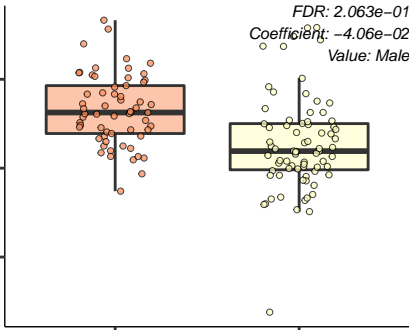
Female (n=61)

Male (n=75)

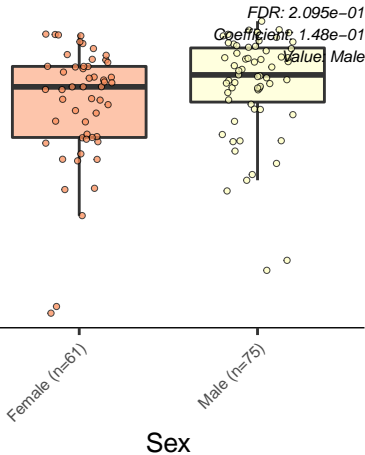
Sex

*FDR: 2.063e-01*  
*Coefficient: -4.06e-02*  
*Value: Male*

0.6  
0.4  
0.2



SULFATE.CYS.PWY





ASPASN.PWY

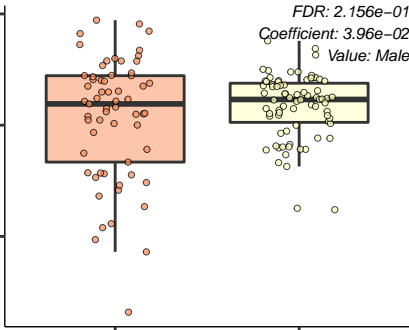
0.6  
0.4  
0.2

Female (n=61)

Male (n=75)

Sex

*FDR: 2.156e-01*  
*Coefficient: 3.96e-02*  
*Value: Male*



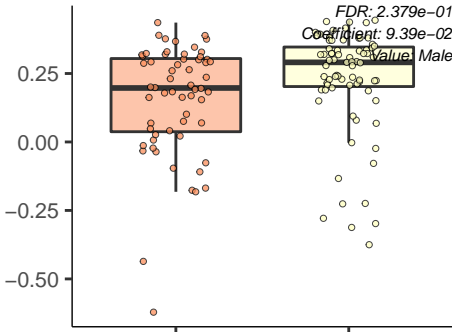
PWY.6897

Female (n=61)

Male (n=75)

Sex

FDR:  $2.379 \times 10^{-1}$   
Coefficient:  $9.39 \times 10^{-2}$   
Value: Male



FASYN.ELONG.PWY

Female (n=61)

Male (n=75)

Sex

*FDR: 2.443e-01*  
*Coefficient: -3.71e-02*  
*Value: Male*

0.6

0.4

0.2

