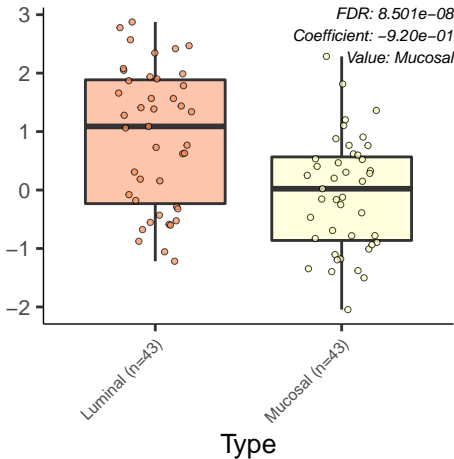


PWY490.3



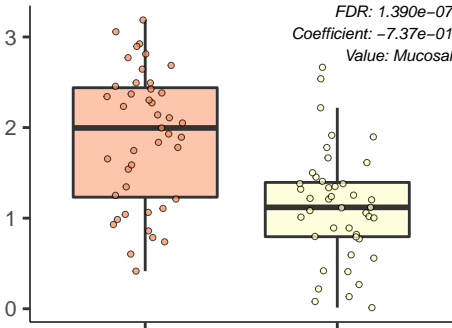
PWY.1861

Luminal (n=43)

Mucosal (n=43)

Type

FDR:  $1.390e-07$   
Coefficient:  $-7.37e-01$   
Value: Mucosal



ARGSYNBSUB.PWY

*FDR: 2.176e-06*

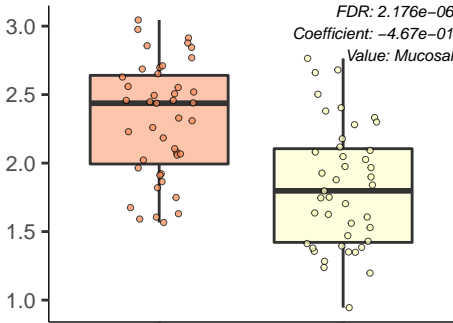
*Coefficient: -4.67e-01*

*Value: Mucosal*

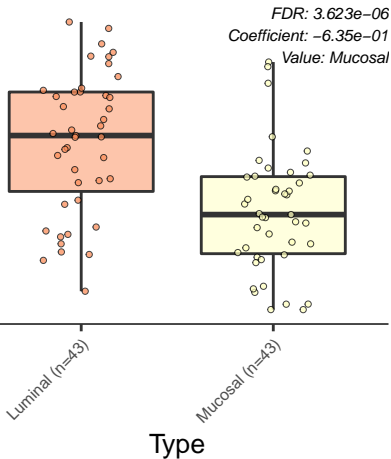
Luminal (n=43)

Mucosal (n=43)

Type



PWY.5505



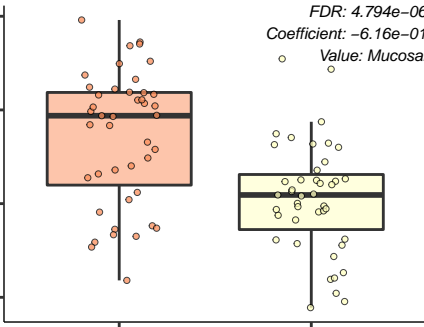
RUMP.PWY

*FDR: 4.794e-06*  
*Coefficient: -6.16e-01*  
*Value: Mucosal*

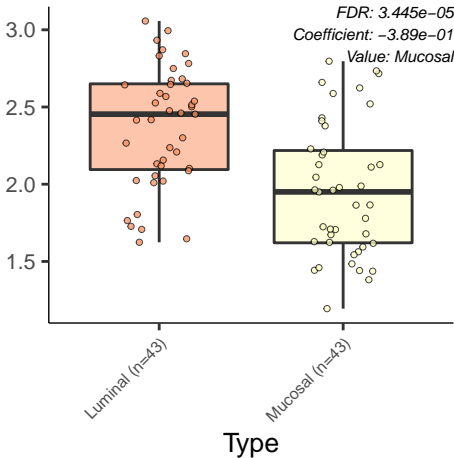
Luminal (n=43)

Mucosal (n=43)

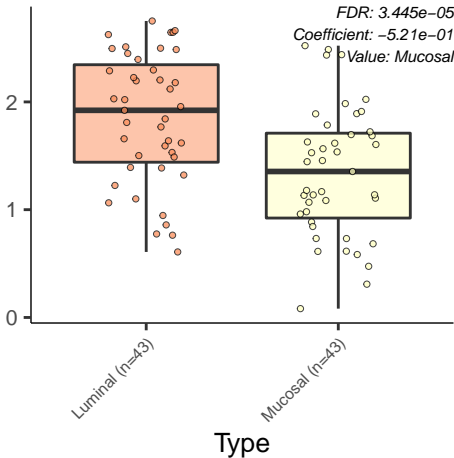
Type



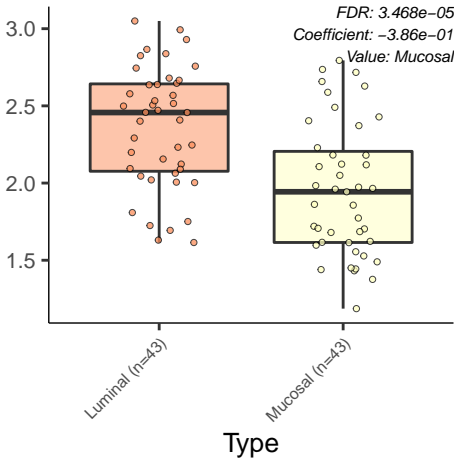
ARGSYN.PWY



GLUTORN.PWY



PWY.7400





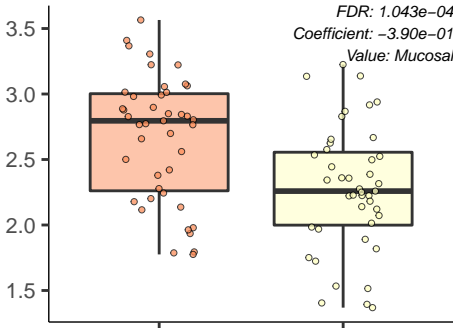
PWY.6737

Luminal (n=43)

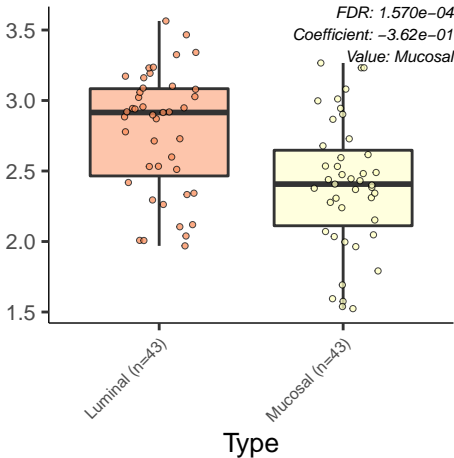
Mucosal (n=43)

Type

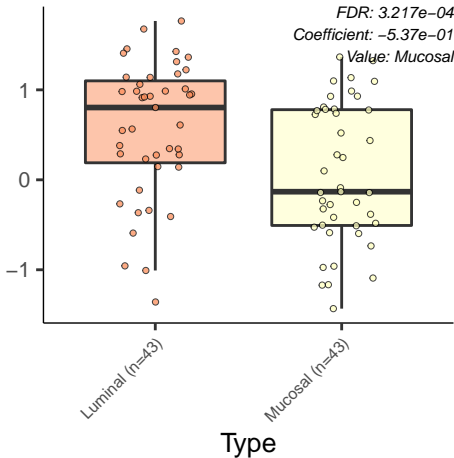
FDR:  $1.043e-04$   
Coefficient:  $-3.90e-01$   
Value: Mucosal



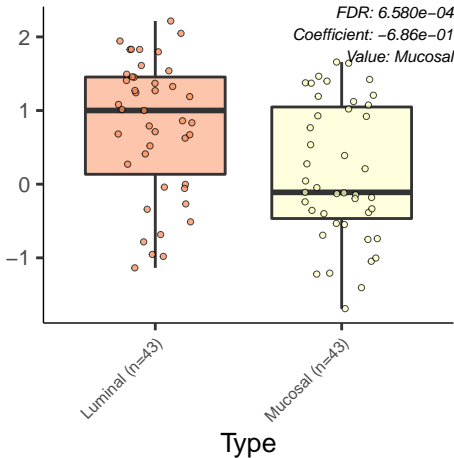
GLYCOCAT.PWY



PWY.7328



PWY.3781



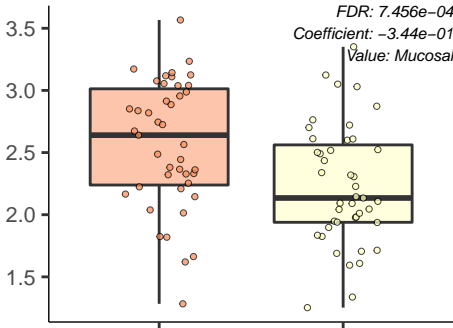
PWY.7111

Luminal (n=43)

Mucosal (n=43)

Type

*FDR: 7.456e-04*  
*Coefficient: -3.44e-01*  
*Value: Mucosal*



HISTSYN.PWY

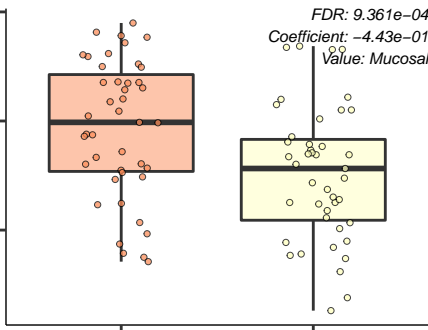
3  
2  
1

Luminal (n=43)

Mucosal (n=43)

Type

*FDR: 9.361e-04*  
*Coefficient: -4.43e-01*  
*Value: Mucosal*



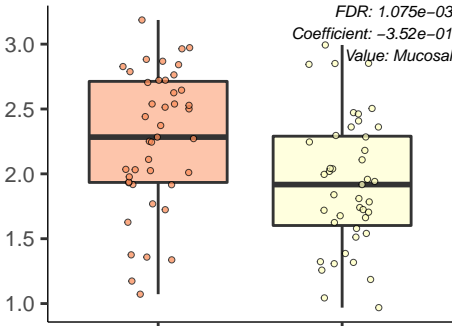
PWY.5103

Luminal (n=43)

Mucosal (n=43)

Type

FDR:  $1.075e-03$   
Coefficient:  $-3.52e-01$   
Value: Mucosal



PYRIDNUCSYN.PWY

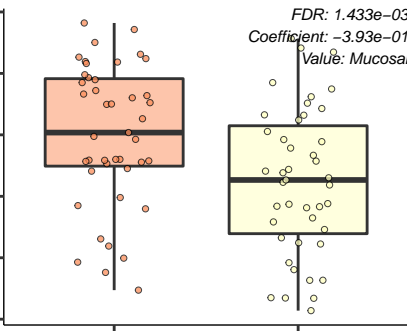
3.0  
2.5  
2.0  
1.5  
1.0  
0.5

Luminal (n=43)

Mucosal (n=43)

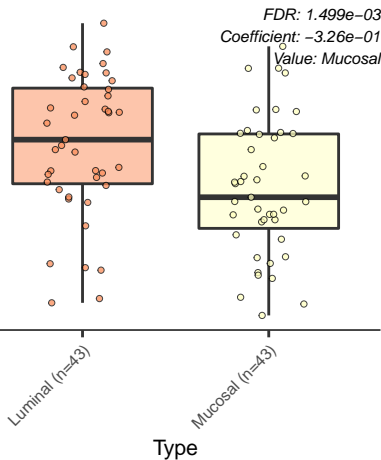
Type

*FDR: 1.433e-03*  
*Coefficient: -3.93e-01*  
*Value: Mucosal*





BRANCHED.CHAIN.AA.SYN.PWY



PWY0.1241

*FDR: 1.524e-03*

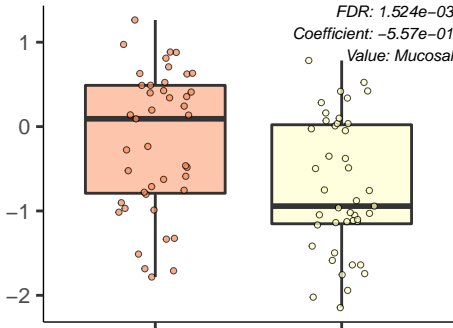
*Coefficient: -5.57e-01*

*Value: Mucosal*

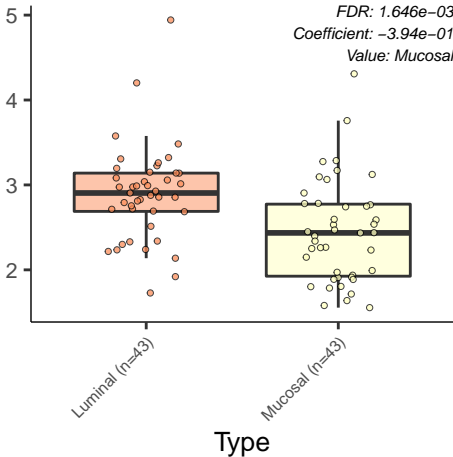
Luminal (n=43)

Mucosal (n=43)

Type



DTDPRHAMSYN.PWY



ILEUSYN.PWY

*FDR: 1.646e-03*

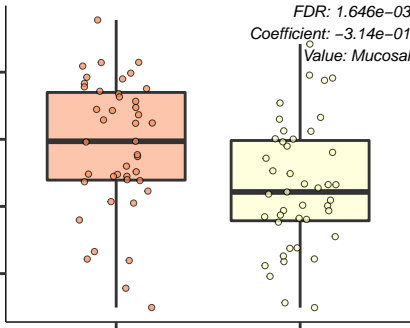
*Coefficient: -3.14e-01*

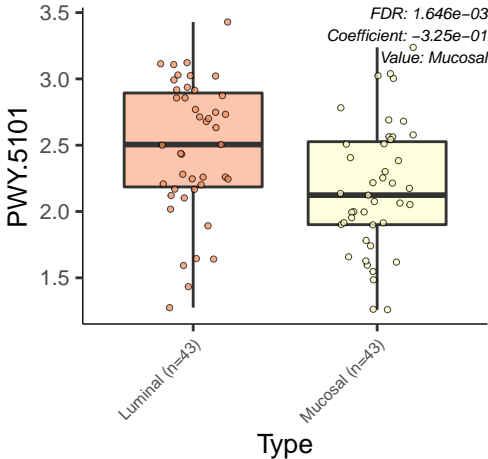
*Value: Mucosal*

Luminal (n=43)

Mucosal (n=43)

Type





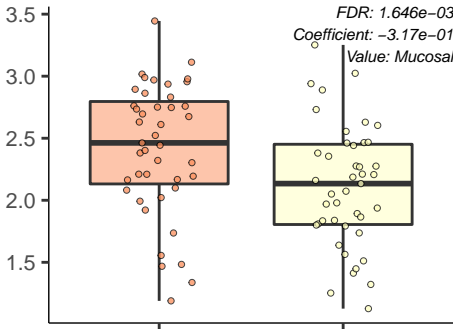
PWY.5104

Luminal (n=43)

Mucosal (n=43)

Type

*FDR: 1.646e-03*  
*Coefficient: -3.17e-01*  
*Value: Mucosal*



VALSYN.PWY

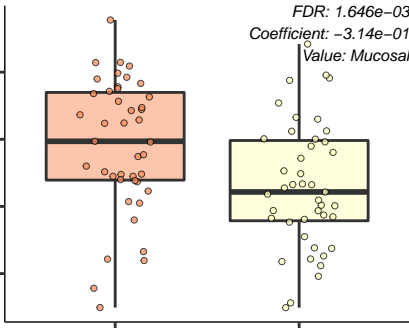
3.0  
2.5  
2.0  
1.5

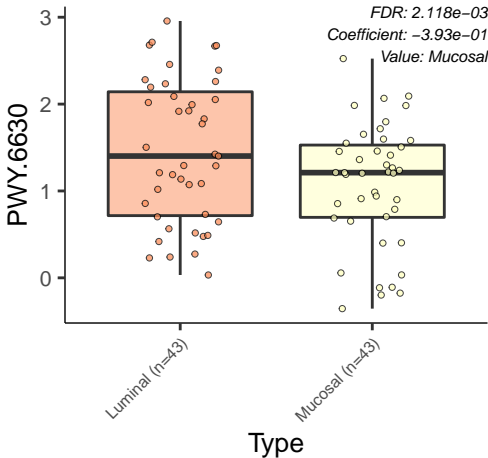
Luminal (n=43)

Mucosal (n=43)

Type

*FDR: 1.646e-03*  
*Coefficient: -3.14e-01*  
*Value: Mucosal*







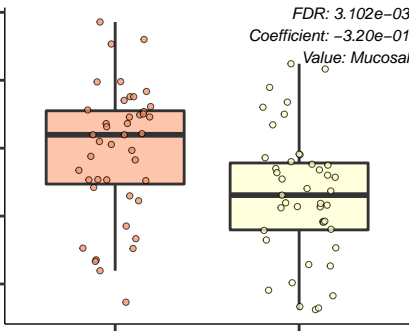
SER.GLYSYN.PWY

Luminal (n=43)

Mucosal (n=43)

Type

FDR:  $3.102e-03$   
Coefficient:  $-3.20e-01$   
Value: Mucosal



X1CMET2.PWY

Luminal (n=43)

Mucosal (n=43)

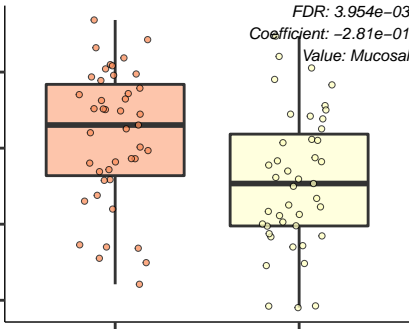
Type

FDR:  $3.954e-03$

Coefficient:  $-2.81e-01$

Value: Mucosal

3.0  
2.5  
2.0  
1.5



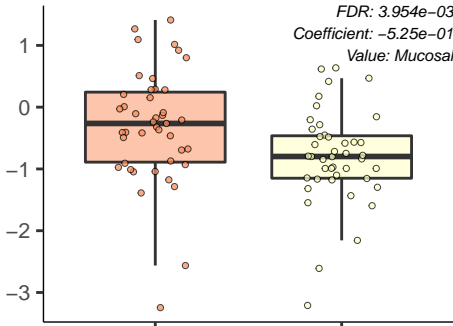
PWY.5345

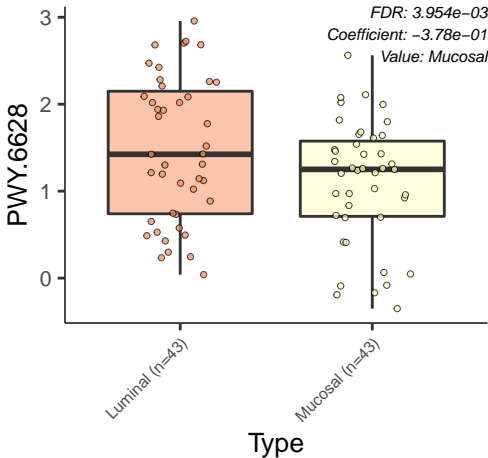
Luminal (n=43)

Mucosal (n=43)

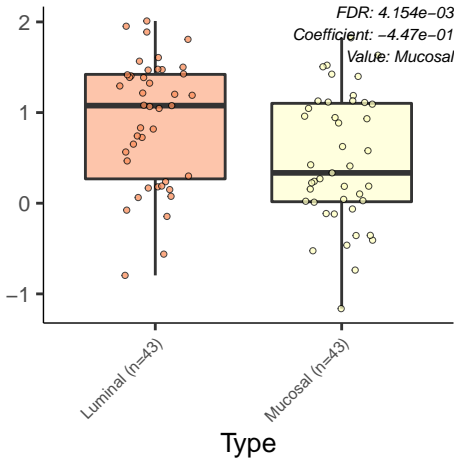
Type

FDR:  $3.954e-03$   
Coefficient:  $-5.25e-01$   
Value: Mucosal

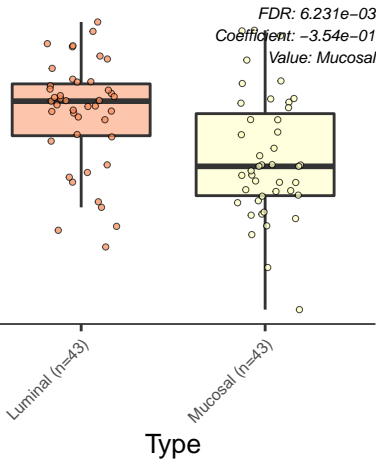




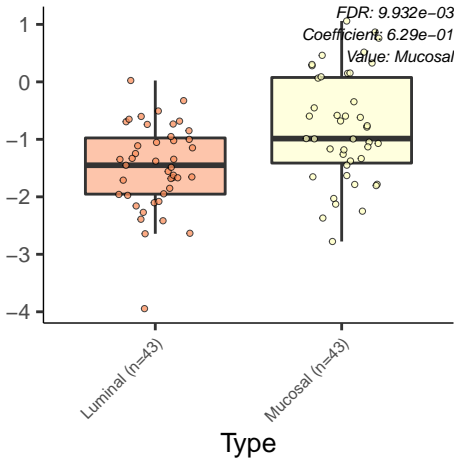
PWY.6545

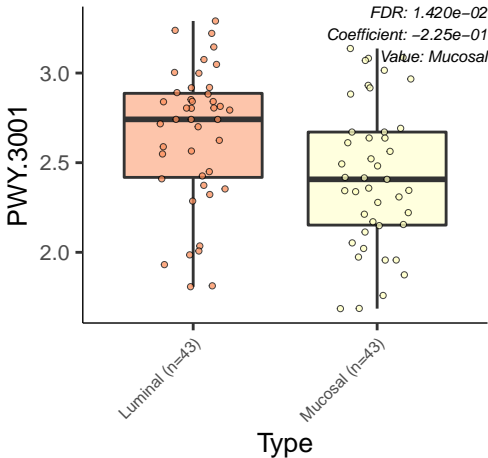


NONOXIPENT.PWY



POLYAMSYN.PWY







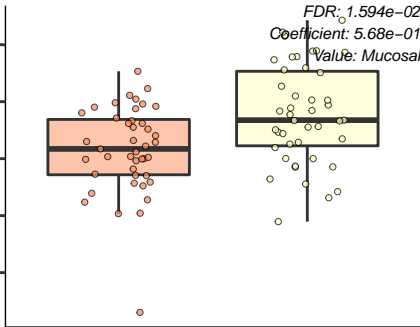
ARG.POLYAMINE.SYN

FDR:  $1.594e-02$   
Coefficient:  $5.68e-01$   
Value: Mucosal

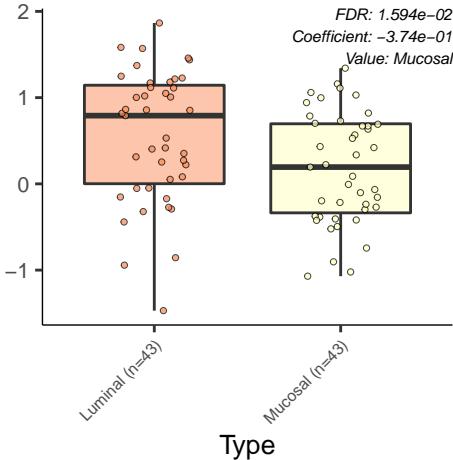
Luminal (n=43)

Mucosal (n=43)

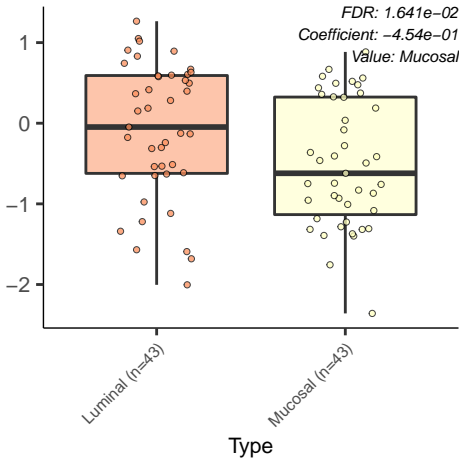
Type



SULFATE.CYS.PWY



GLYOXYLATE.BYPASS

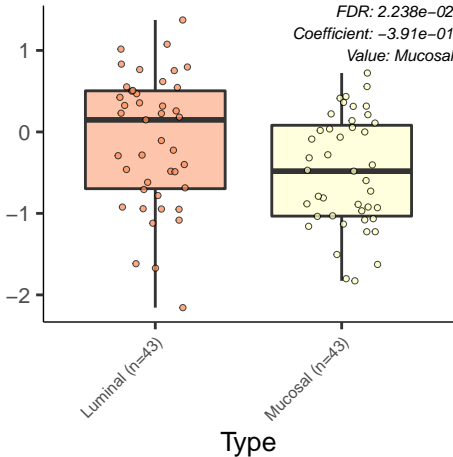


SO4ASSIM.PWY

*FDR: 2.238e-02*

*Coefficient: -3.91e-01*

*Value: Mucosal*



PWY.7371

*FDR: 2.686e-02*

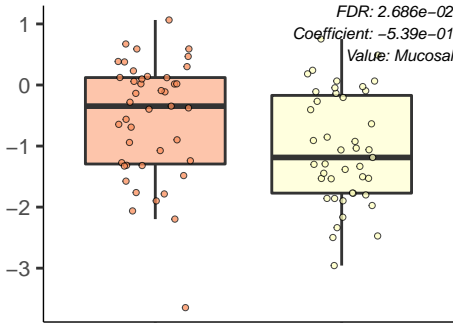
*Coefficient: -5.39e-01*

*Value: Mucosal*

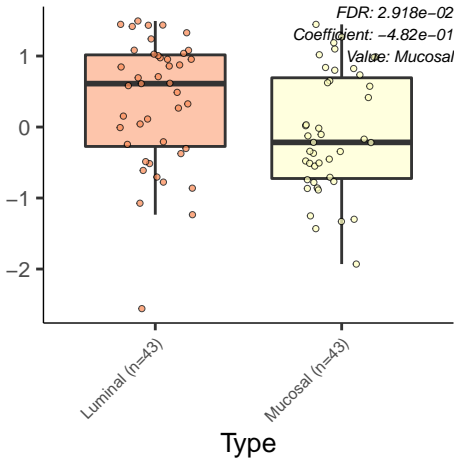
Luminal (n=43)

Mucosal (n=43)

Type



PWY.6263



COBALSYN.PWY

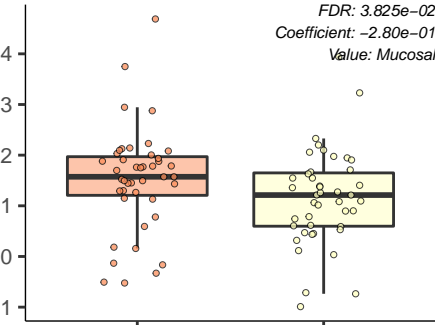
FDR:  $3.825e-02$   
Coefficient:  $-2.80e-01$   
Value: Mucosal

4  
3  
2  
1  
0  
-1

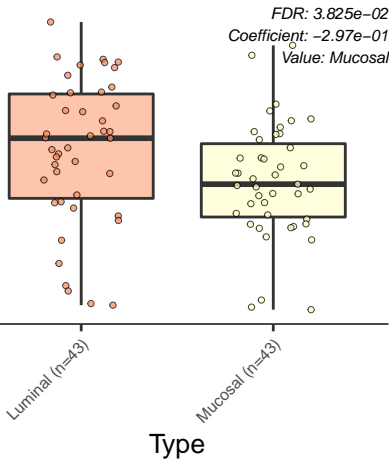
Luminal (n=43)

Mucosal (n=43)

Type

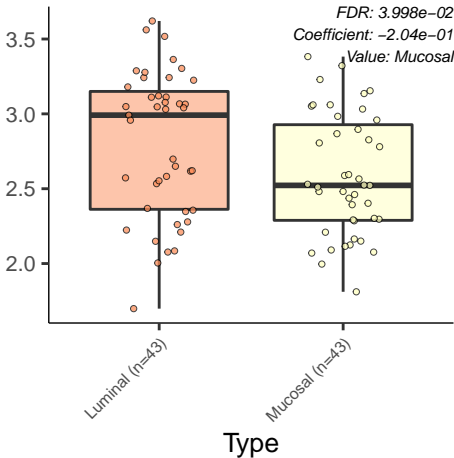


PYRIDNUCSAL.PWY

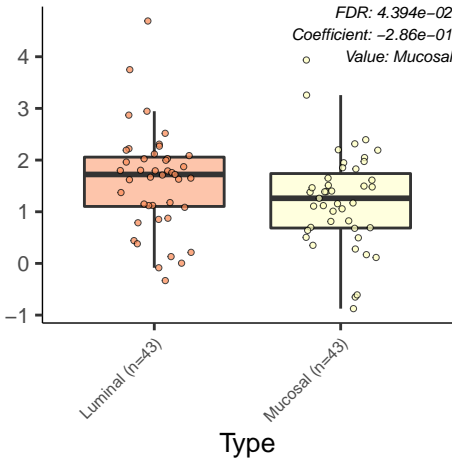




CALVIN.PWY

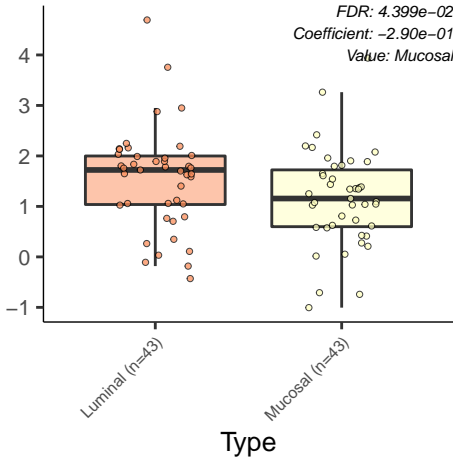


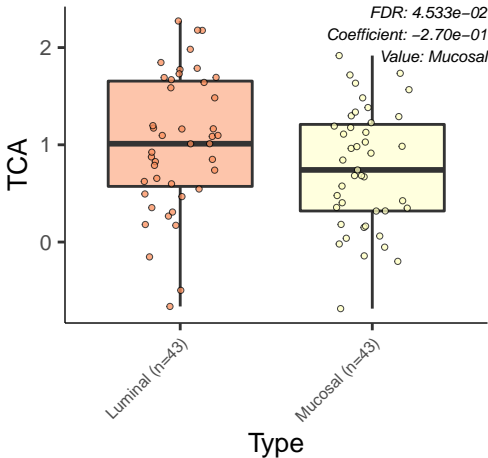
PWY.5188



PWY.5189

FDR:  $4.399\text{e-}02$   
Coefficient:  $-2.90\text{e-}01$   
Value: Mucosal





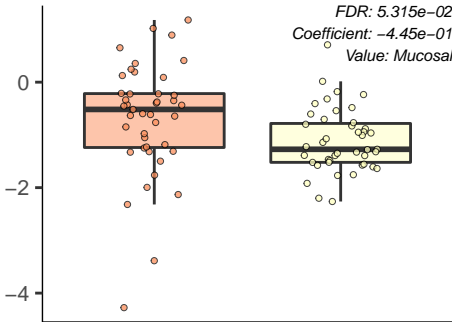
PWY0.845

*FDR: 5.315e-02*  
*Coefficient: -4.45e-01*  
*Value: Mucosal*

Luminal (n=43)

Mucosal (n=43)

Type



PWY.7374

*FDR: 5.678e-02*

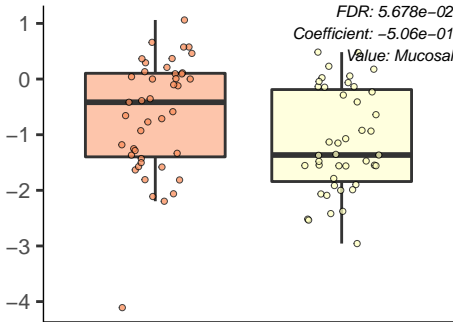
*Coefficient: -5.06e-01*

*Value: Mucosal*

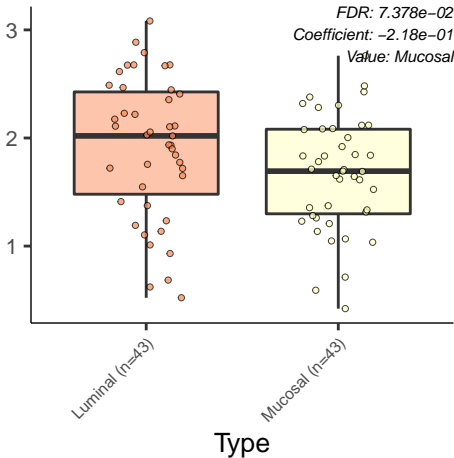
Luminal (n=43)

Mucosal (n=43)

Type



PENTOSE.P.PWY



ASPASN.PWY

Luminal (n=43)

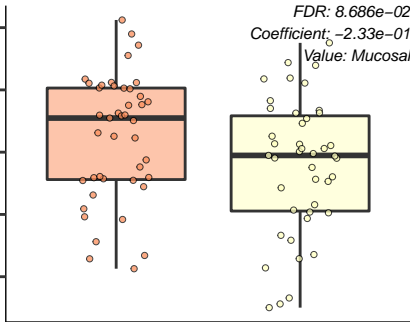
Mucosal (n=43)

Type

*FDR: 8.686e-02*

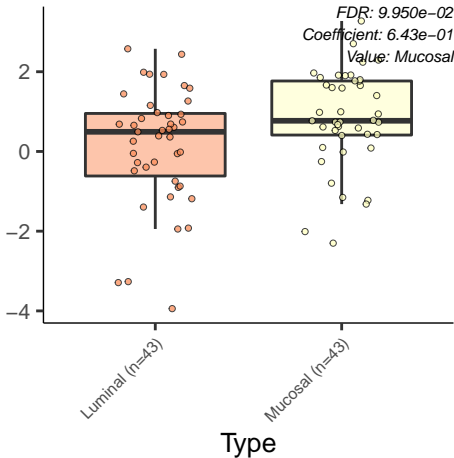
*Coefficient: -2.33e-01*

*Value: Mucosal*





PWY.5265



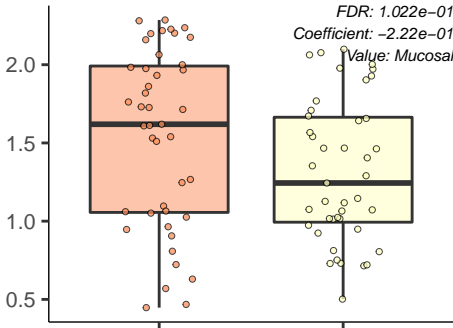
PWY.6612

Luminal (n=43)

Mucosal (n=43)

Type

FDR: 1.022e-01  
Coefficient: -2.22e-01  
Value: Mucosal



FOLSYN.PWY

Luminal (n=43)

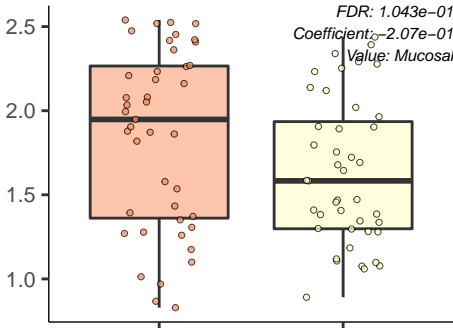
Mucosal (n=43)

Type

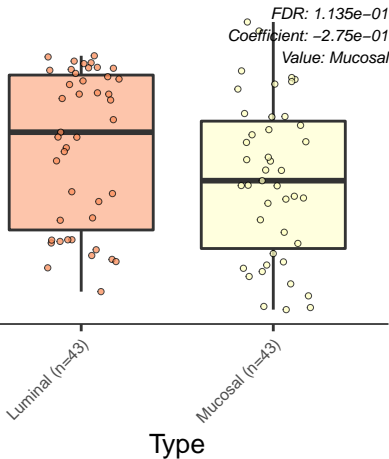
FDR: 1.043e-01

Coefficient: -2.07e-01

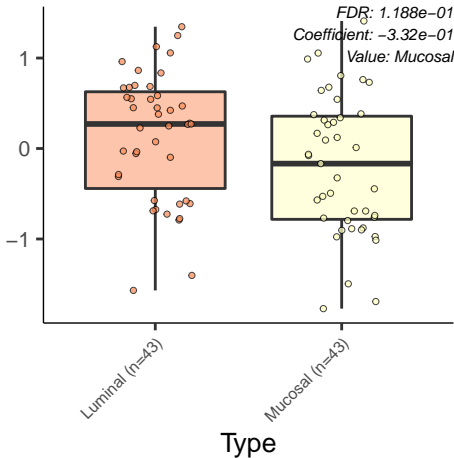
Value: Mucosal



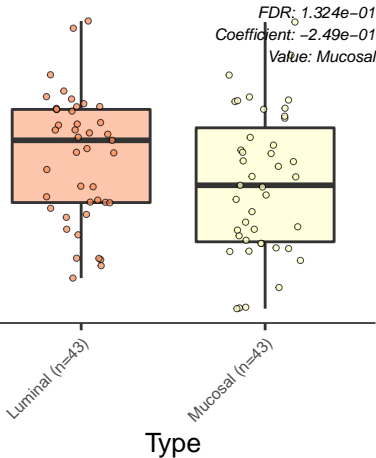
PWY.5913



PWY.5022



NONMEVIPP.PWY



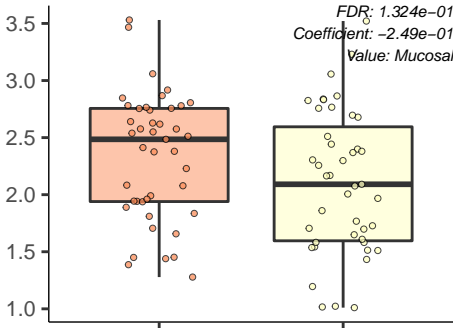
PWY.7560

Luminal (n=43)

Mucosal (n=43)

Type

FDR:  $1.324e-01$   
Coefficient:  $-2.49e-01$   
Value: Mucosal



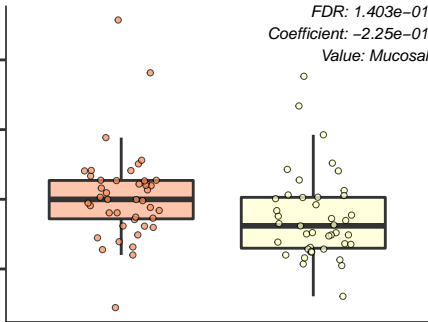
OANTIGEN.PWY

FDR: 1.403e-01  
Coefficient: -2.25e-01  
Value: Mucosal

Luminal (n=43)

Mucosal (n=43)

Type





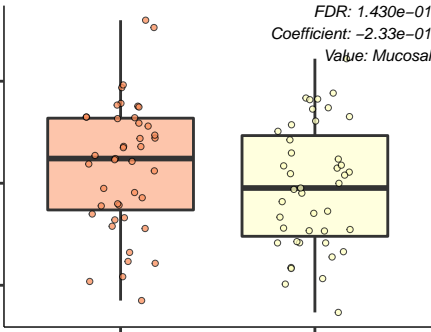
COMPLETE.ARO.PWY

*FDR: 1.430e-01*  
*Coefficient: -2.33e-01*  
*Value: Mucosal*

Luminal (n=43)

Mucosal (n=43)

Type



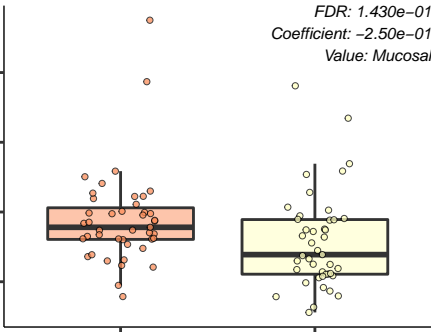
DAPLYSINESYN.PWY

*FDR: 1.430e-01*  
*Coefficient: -2.50e-01*  
*Value: Mucosal*

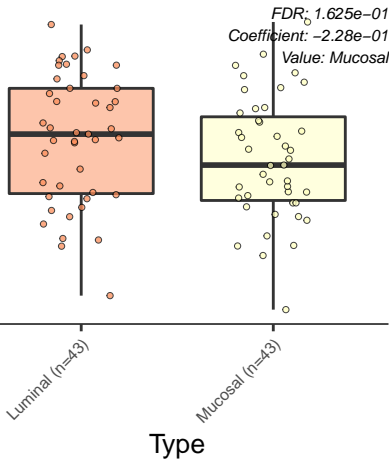
Luminal (n=43)

Mucosal (n=43)

Type



PWY.6897



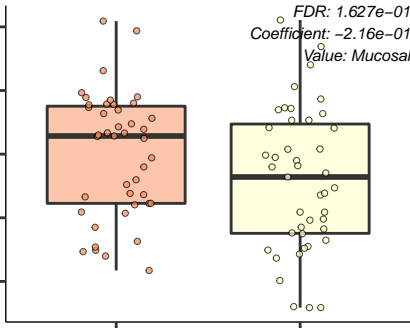
PWY.5121

Luminal (n=43)

Mucosal (n=43)

Type

FDR: 1.627e-01  
Coefficient: -2.16e-01  
Value: Mucosal



PWY.5659

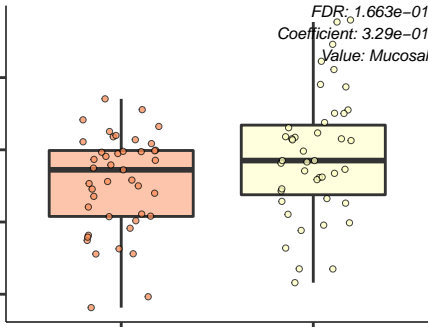
Luminal (n=43)

Mucosal (n=43)

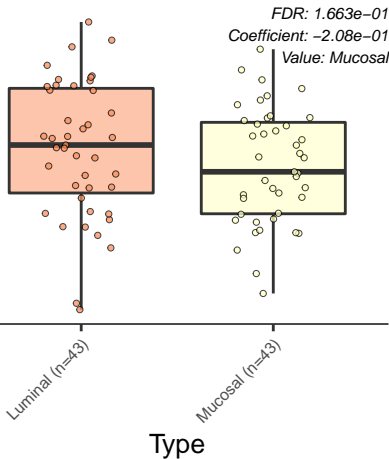
Type

FDR: 1.663e-01  
Coefficient: 3.29e-01  
Value: Mucosal

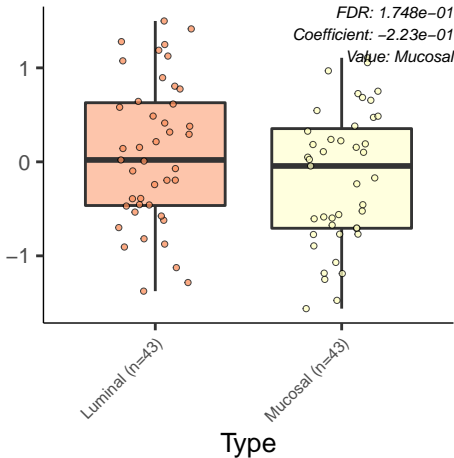
3  
2  
1  
0



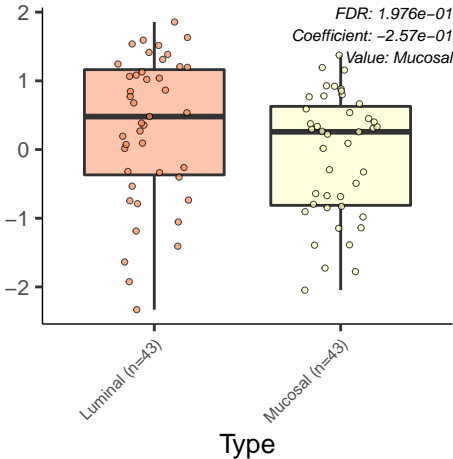
PWY.6969



PWY0.1479

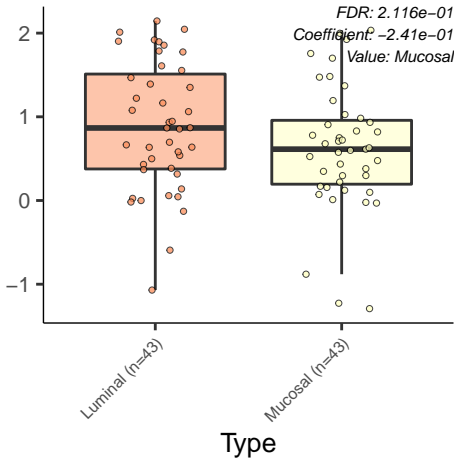


ARGORNPST.PWY

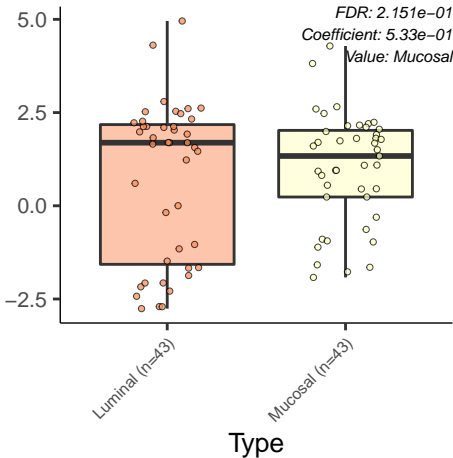




PWY.7211



PWY.4984



CODH.PWY

*FDR: 2.164e-01*

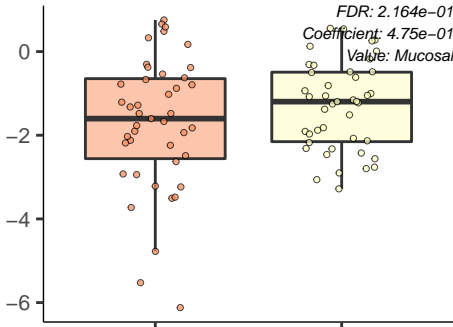
*Coefficient: 4.75e-01*

*Value: Mucosal*

Luminal (n=43)

Mucosal (n=43)

Type



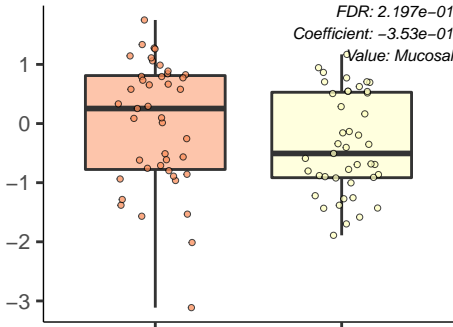
PWY.5304

FDR:  $2.197 \times 10^{-1}$   
Coefficient:  $-3.53 \times 10^{-1}$   
Value: Mucosal

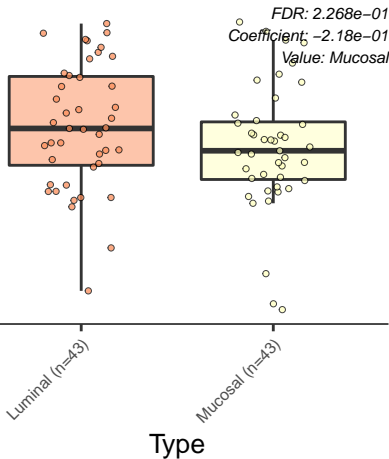
Luminal (n=43)

Mucosal (n=43)

Type



PRPP.PWY



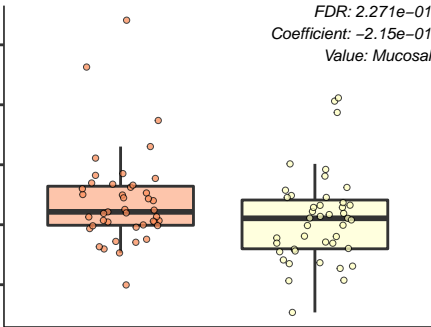
GLYCOGENSYNTH.PWY

*FDR: 2.271e-01*  
*Coefficient: -2.15e-01*  
*Value: Mucosal*

Luminal (n=43)

Mucosal (n=43)

Type



ARO.PWY

3

2

1

Luminal (n=43)

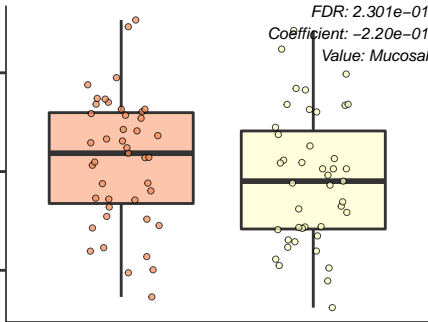
Mucosal (n=43)

Type

*FDR: 2.301e-01*

*Coefficient: -2.20e-01*

*Value: Mucosal*



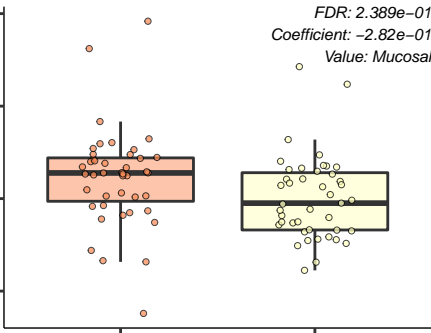
TEICHOICACID.PWY

*FDR: 2.389e-01*  
*Coefficient: -2.82e-01*  
*Value: Mucosal*

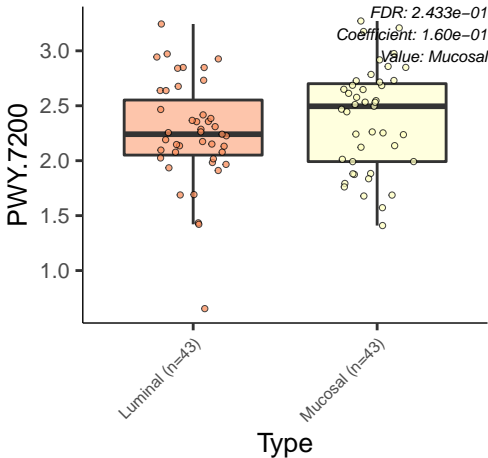
Luminal (n=43)

Mucosal (n=43)

Type







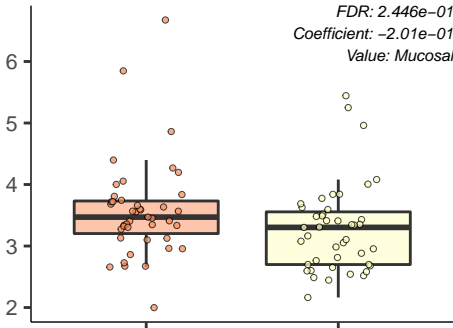
PWY.5686

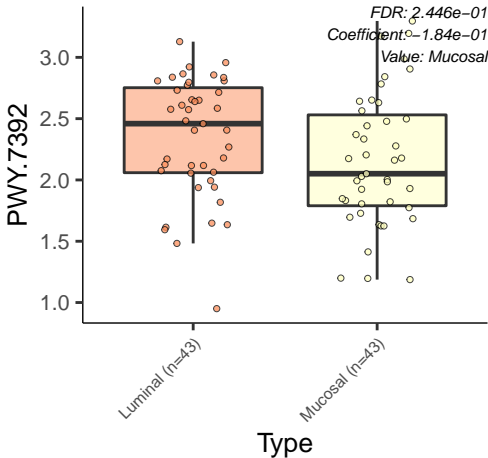
*FDR: 2.446e-01*  
*Coefficient: -2.01e-01*  
*Value: Mucosal*

Luminal (n=43)

Mucosal (n=43)

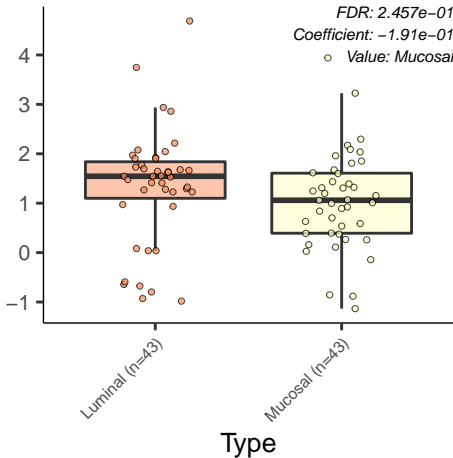
Type





PWY.5509

FDR: 2.457e-01  
Coefficient: -1.91e-01  
● Value: Mucosal



ANAEROFRUCAT.PWY

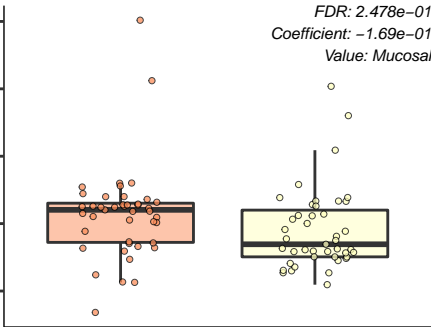
6  
5  
4  
3  
2

*FDR: 2.478e-01*  
*Coefficient: -1.69e-01*  
*Value: Mucosal*

Luminal (n=43)

Mucosal (n=43)

Type



PWY.6269

*FDR: 2.478e-01*  
*Coefficient: -1.89e-01*  
*Value: Mucosal*

