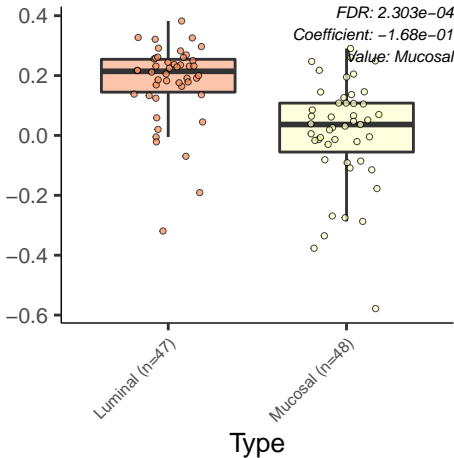


PRPP.PWY



PWY.5918

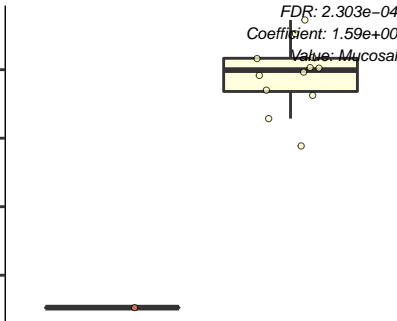
Luminal (n=47)

Mucosal (n=48)

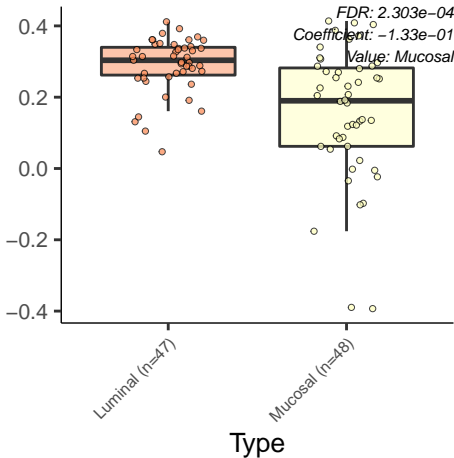
Type

$FDR: 2.303e-04$
 $Coefficient: 1.59e+00$
 $Value: Mucosal$

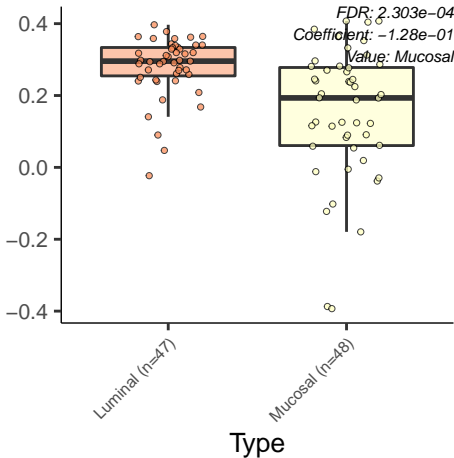
0.0
-0.5
-1.0
-1.5



PWY.6147



PWY.7539



P441.PWY

FDR: $3.934e-04$

Coefficient: $-8.68e-02$

Value: Mucosal

0.4

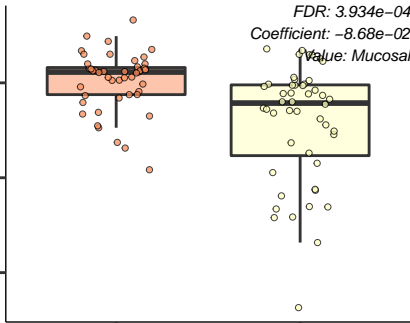
0.2

0.0

Luminal (n=47)

Mucosal (n=48)

Type



PWY.7211

FDR: 3.934e-04

Coefficient: -2.31e-01

Value: Mucosal

0.0

-0.5

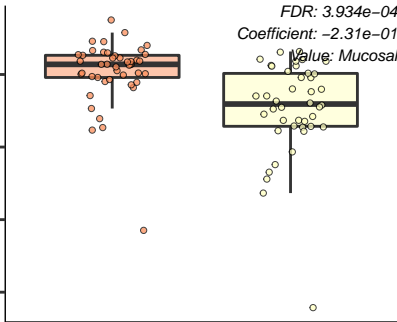
-1.0

-1.5

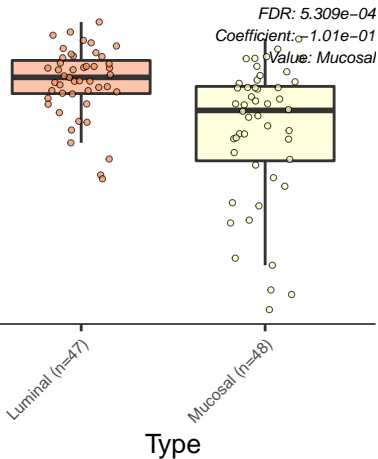
Luminal (n=47)

Mucosal (n=48)

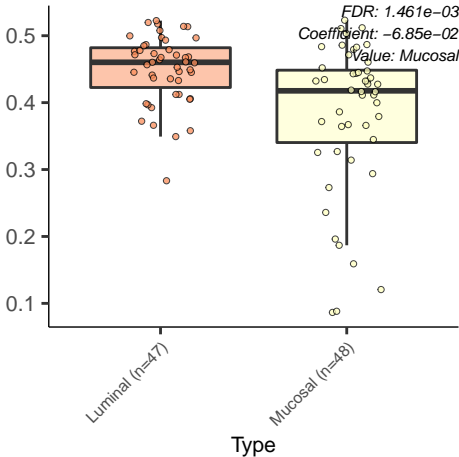
Type



GLYCOLYSIS.E.D



ANAEROFRUCAT.PWY



PWY.5484

Luminal (n=47)

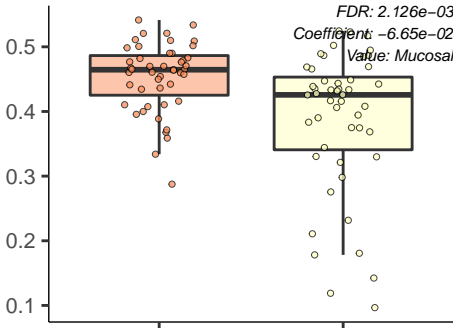
Mucosal (n=48)

Type

FDR: 2.126e-03

Coefficient: -6.65e-02

Value: Mucosal



GLYCOLYSIS

Luminal (n=47)

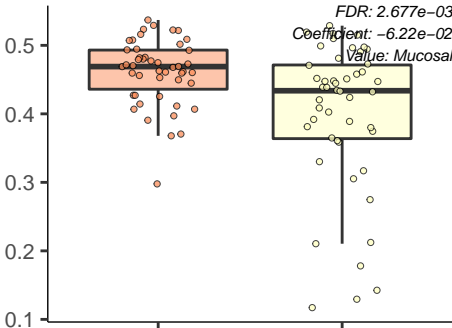
Mucosal (n=48)

Type

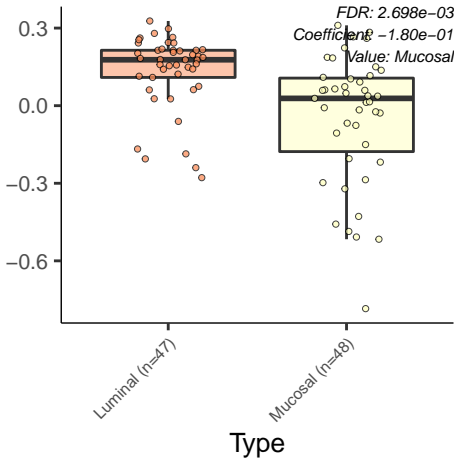
FDR: 2.677e-03

Coefficient: -6.22e-02

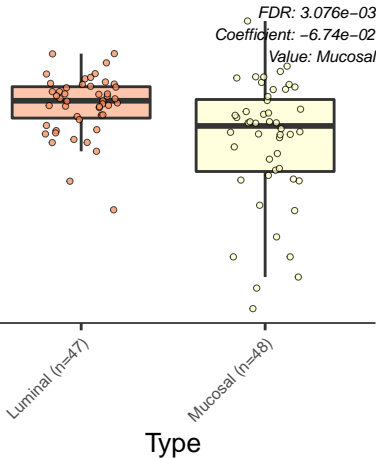
Value: Mucosal



PWY.5154



GLUCONEO.PWY



DAPLYSINESYN.PWY

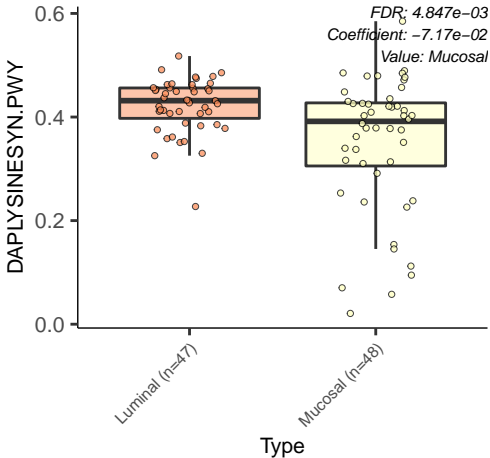
0.6
0.4
0.2
0.0

Luminal (n=47)

Mucosal (n=48)

Type

FDR: $4.847e-03$
Coefficient: $-7.17e-02$
Value: Mucosal



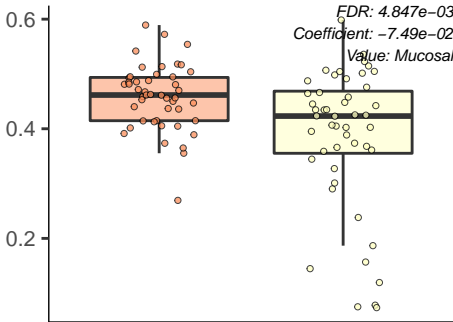
PWY.6317

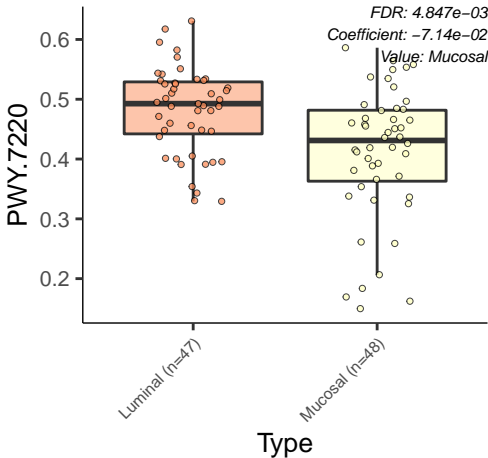
Luminal (n=47)

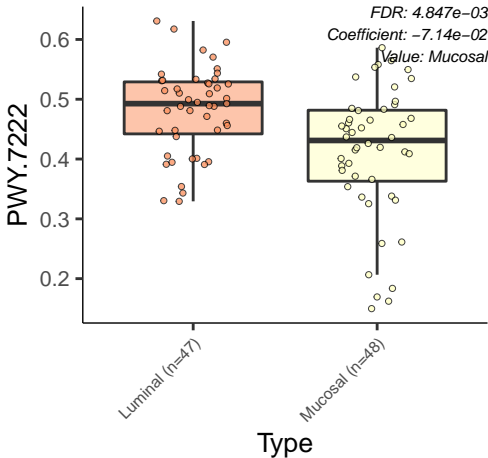
Mucosal (n=48)

Type

FDR: $4.847e-03$
Coefficient: $-7.49e-02$
Value: Mucosal







FOLSYN.PWY

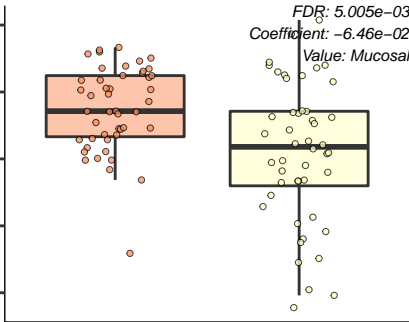
Luminal (n=47)

Mucosal (n=48)

Type

FDR: $5.005e-03$
Coefficient: $-6.46e-02$
Value: Mucosal

0.4
0.3
0.2
0.1
0.0



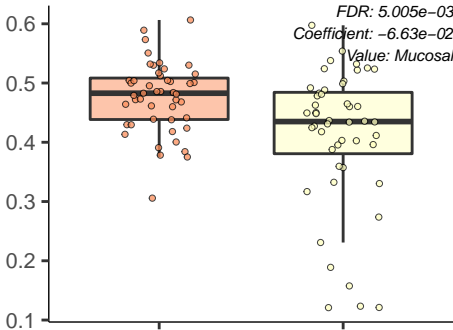
PWY.6126

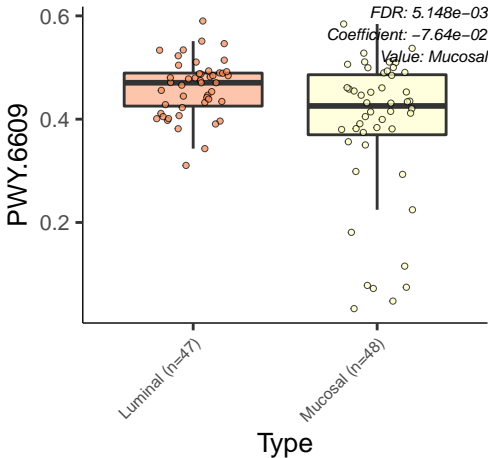
Luminal (n=47)

Mucosal (n=48)

Type

FDR: 5.005e-03
Coefficient: -6.63e-02
Value: Mucosal





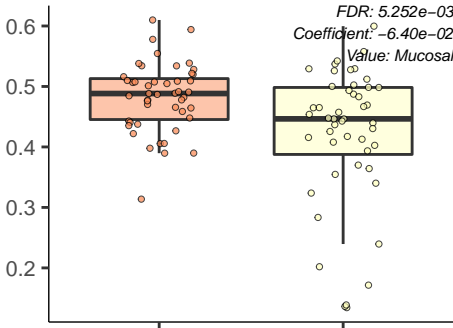
PWY.7229

Luminal (n=47)

Mucosal (n=48)

Type

FDR: $5.252e-03$
Coefficient: $-6.40e-02$
Value: Mucosal



FERMENTATION.PWY

0.4

0.2

0.0

Luminal (n=47)

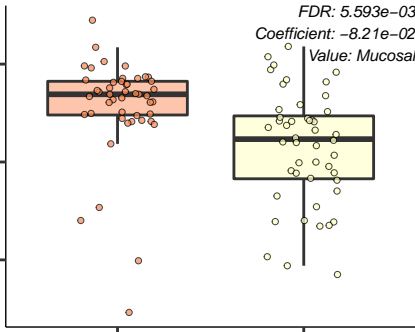
Mucosal (n=48)

Type

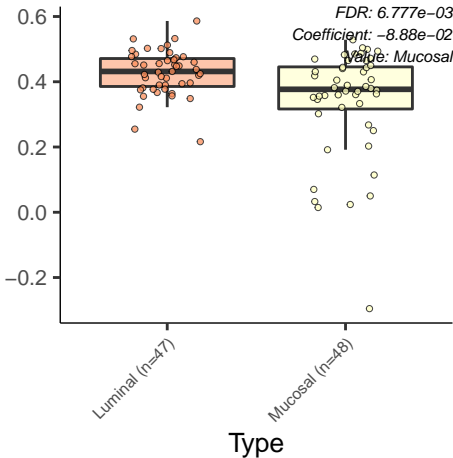
FDR: 5.593e-03

Coefficient: -8.21e-02

Value: Mucosal



PWY0.1296



ANAGLYCOLYSIS.PWY

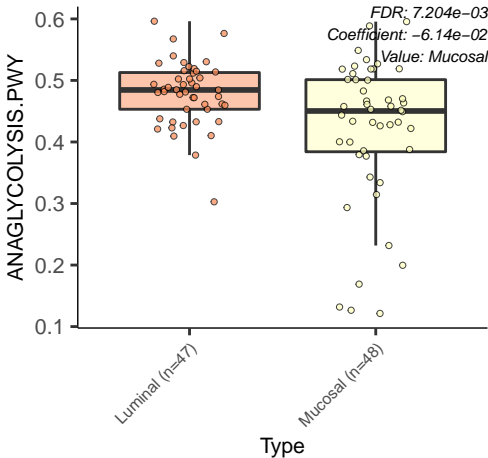
0.6
0.5
0.4
0.3
0.2
0.1

Luminal (n=47)

Mucosal (n=48)

Type

FDR: $7.204e-03$
Coefficient: $-6.14e-02$
Value: Mucosal



P164.PWY

0.0
-0.5
-1.0

Luminal (n=47)

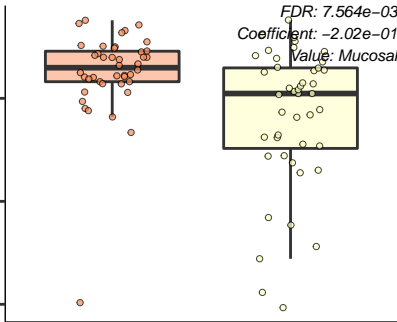
Mucosal (n=48)

Type

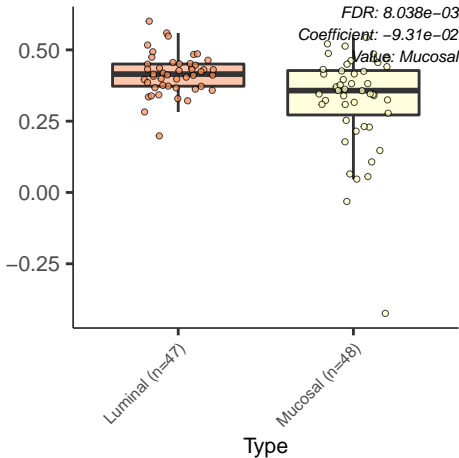
FDR: 7.564e-03

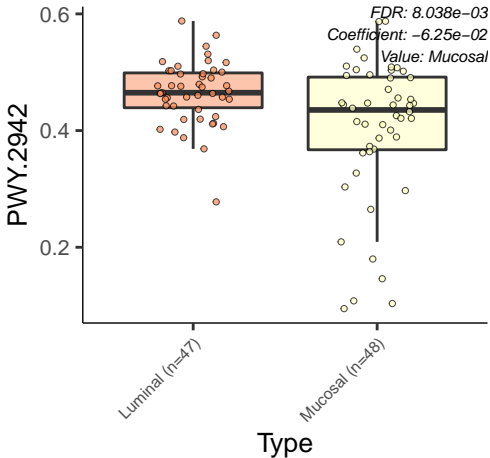
Coefficient: -2.02e-01

Value: Mucosal



GLCMANNAUT.PWY





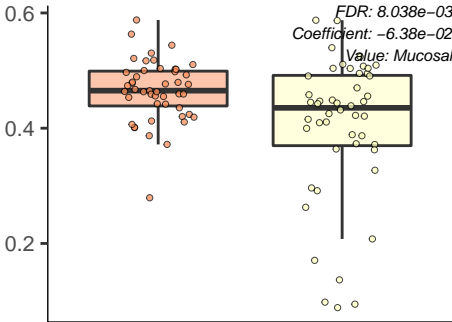
PWY.5097

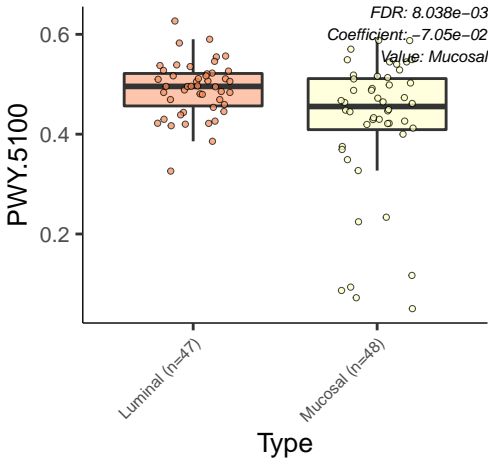
Luminal (n=47)

Mucosal (n=48)

Type

FDR: $8.038e-03$
Coefficient: $-6.38e-02$
Value: Mucosal





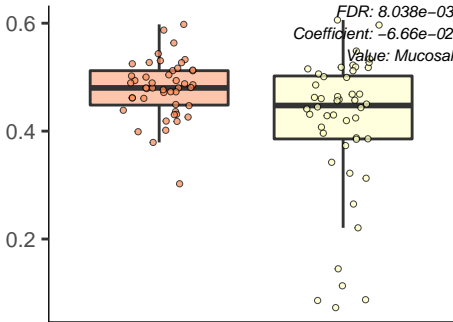
PWY.5686

Luminal (n=47)

Mucosal (n=48)

Type

FDR: $8.038e-03$
Coefficient: $-6.66e-02$
Value: Mucosal



GLYCOGENSYNTH.PWY

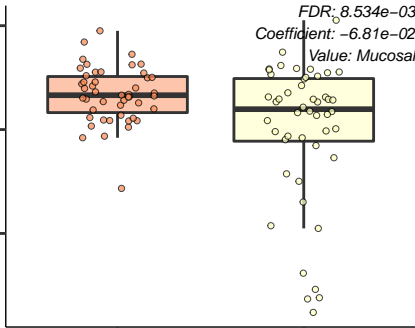
0.6
0.4
0.2

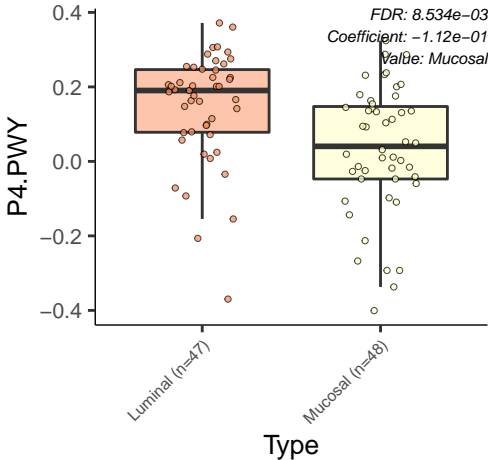
Luminal (n=47)

Mucosal (n=48)

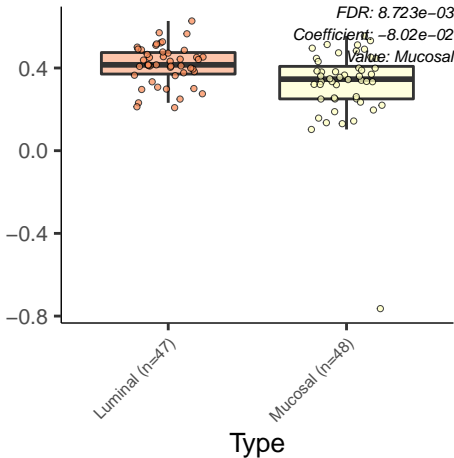
Type

FDR: 8.534e-03
Coefficient: -6.81e-02
Value: Mucosal





P161.PWY



PEPTIDOGLYCANSYN.PWY

0.6
0.4
0.2

Luminal (n=47)

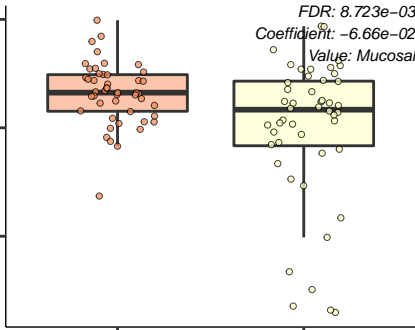
Mucosal (n=48)

Type

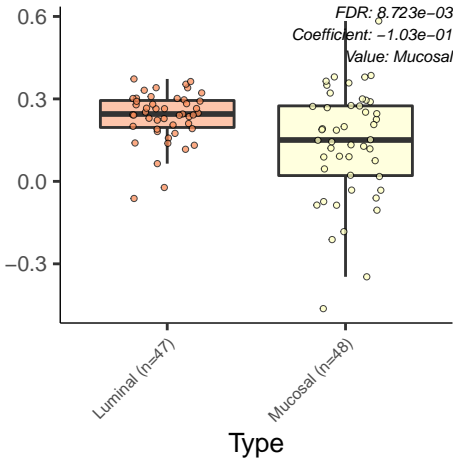
FDR: 8.723e-03

Coefficient: -6.66e-02

Value: Mucosal



PWY.5188



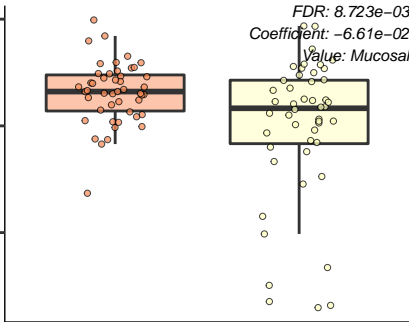
PWY.6385

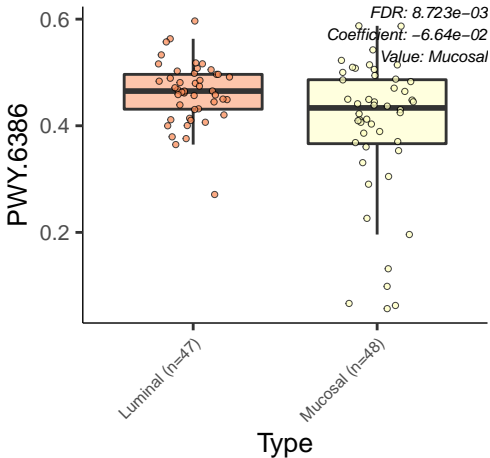
Luminal (n=47)

Mucosal (n=48)

Type

FDR: 8.723e-03
Coefficient: -6.61e-02
Value: Mucosal





PWY.6387

Luminal (n=47)

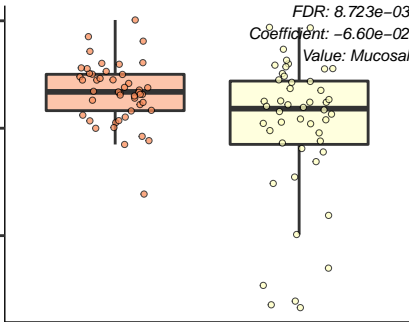
Mucosal (n=48)

Type

FDR: 8.723e-03

Coefficient: -6.60e-02

Value: Mucosal



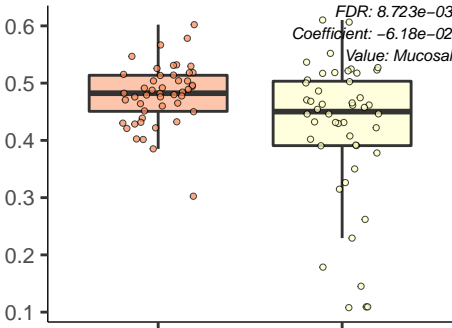
PWY.7219

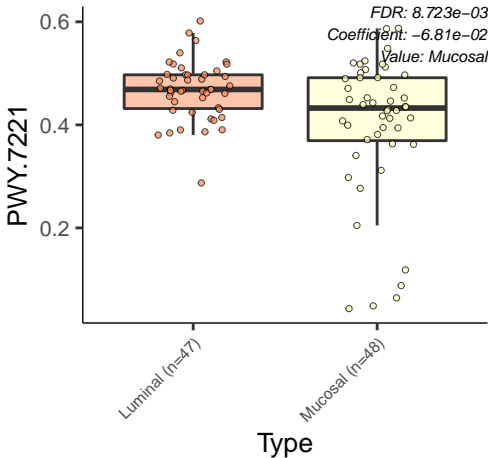
Luminal (n=47)

Mucosal (n=48)

Type

FDR: $8.723e-03$
Coefficient: $-6.18e-02$
Value: Mucosal





TRNA.CHARGING.PWY

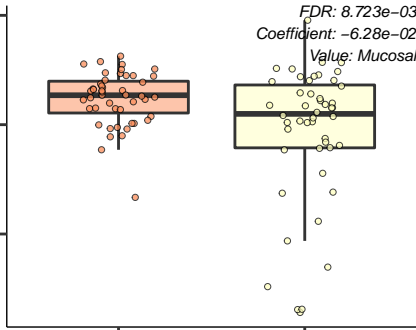
0.6
0.4
0.2

Luminal (n=47)

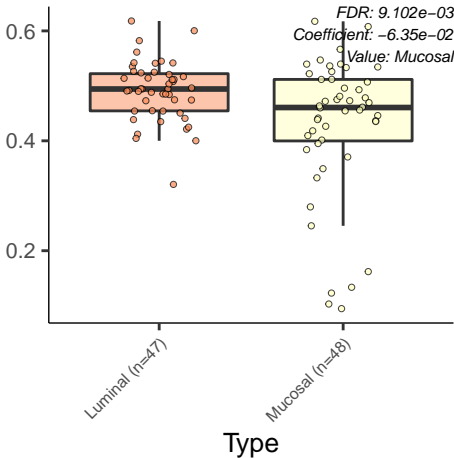
Mucosal (n=48)

Type

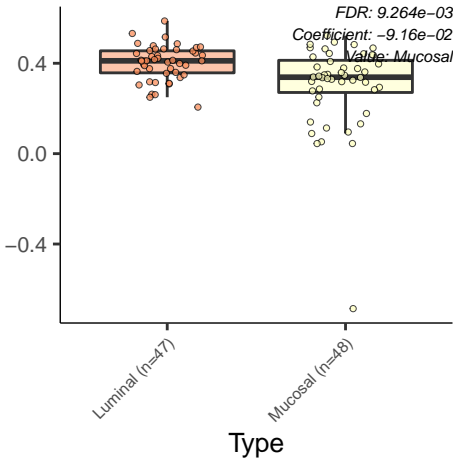
FDR: 8.723e-03
Coefficient: -6.28e-02
Value: Mucosal

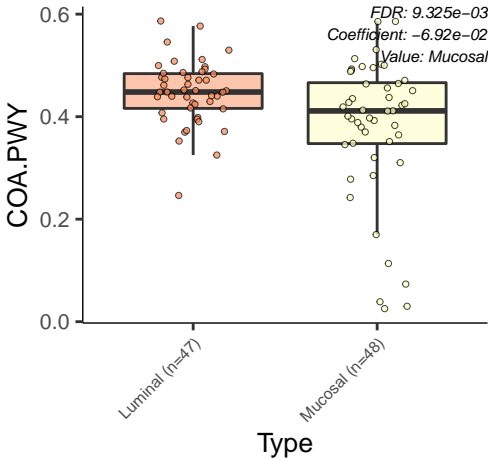


PWY.7208

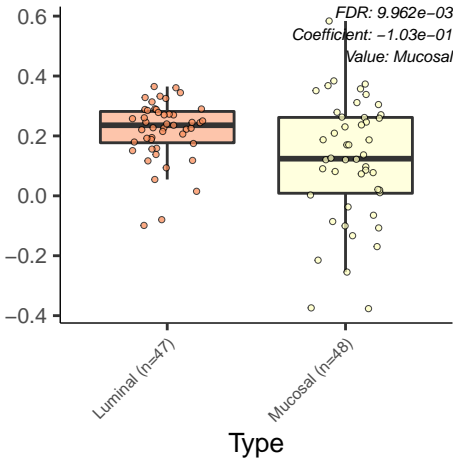


PWY0.1297

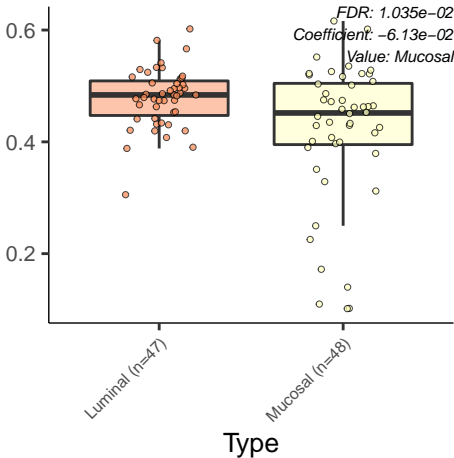




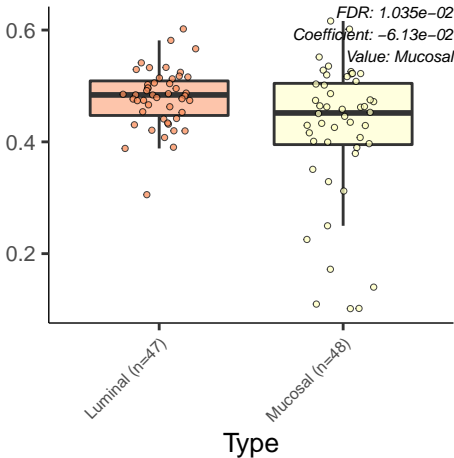
PWY.5189



PWY.5667



PWY0.1319



ASPASN.PWY

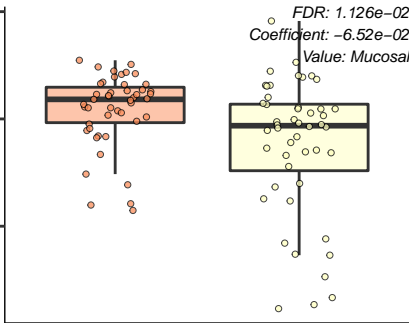
0.6
0.4
0.2

Luminal (n=47)

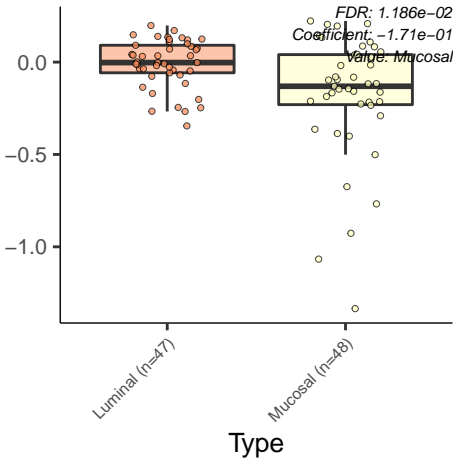
Mucosal (n=48)

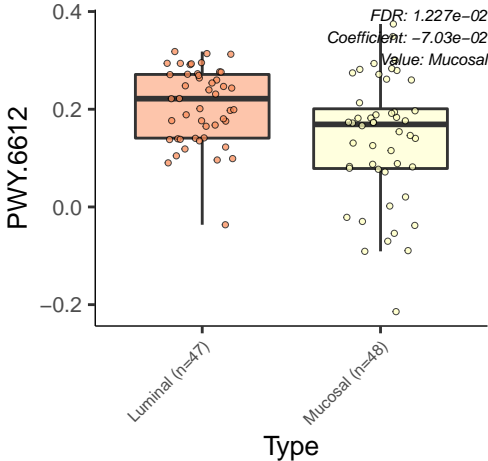
Type

FDR: 1.126e-02
Coefficient: -6.52e-02
Value: Mucosal



PWY.6901





THRESYN.PWY

0.6

0.4

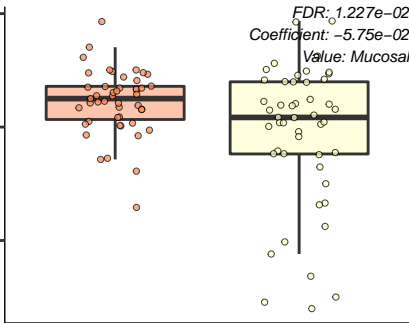
0.2

Luminal (n=47)

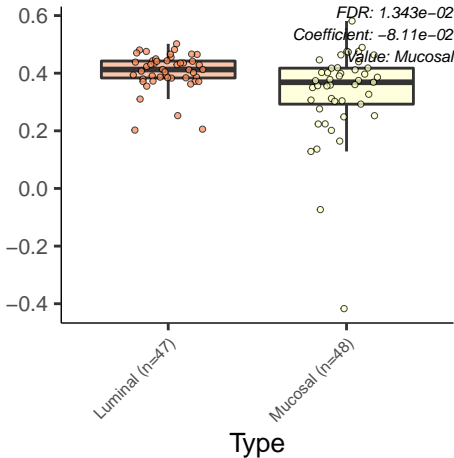
Mucosal (n=48)

Type

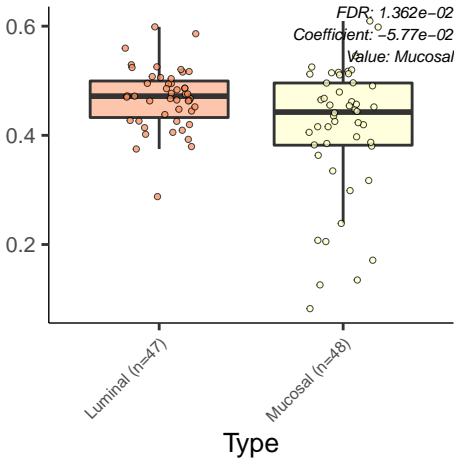
FDR: $1.227e-02$
Coefficient: $-5.75e-02$
Value: Mucosal



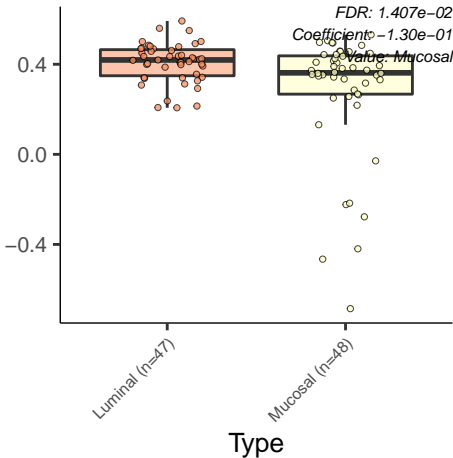
DTDPRHAMSYN.PWY



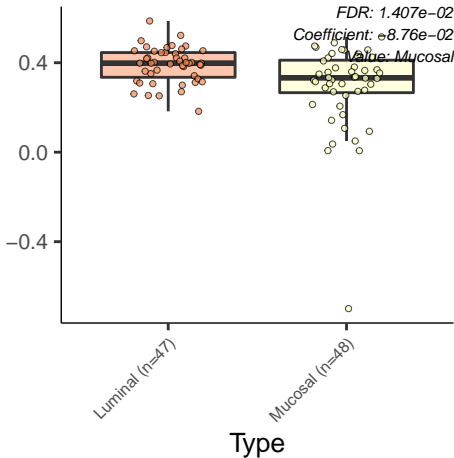
PHOSLIPSYN.PWY



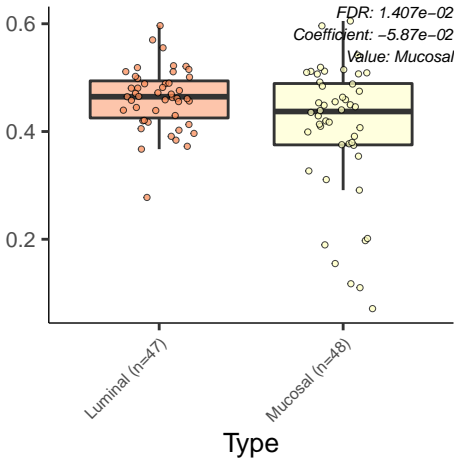
PWY.6471



PWY0.1298



PWY4FS.7



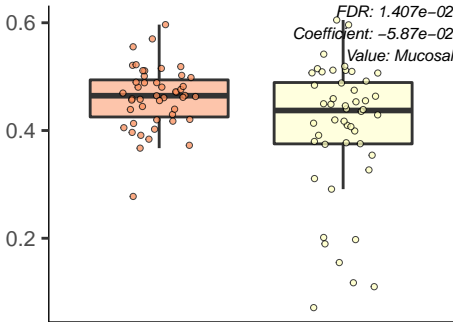
PWY4FS.8

Luminal (n=47)

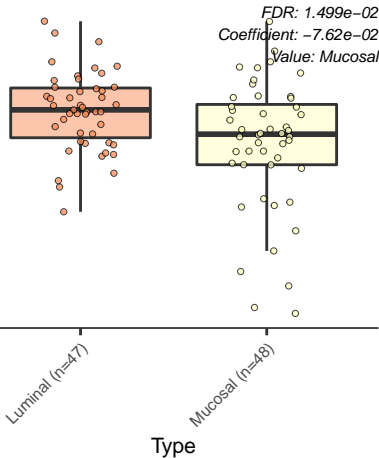
Mucosal (n=48)

Type

FDR: $1.407e-02$
Coefficient: $-5.87e-02$
Value: Mucosal



POLYISOPRENSYN.PWY



X1CMET2.PWY

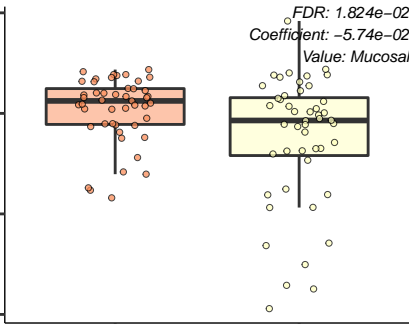
0.6
0.4
0.2
0.0

Luminal (n=47)

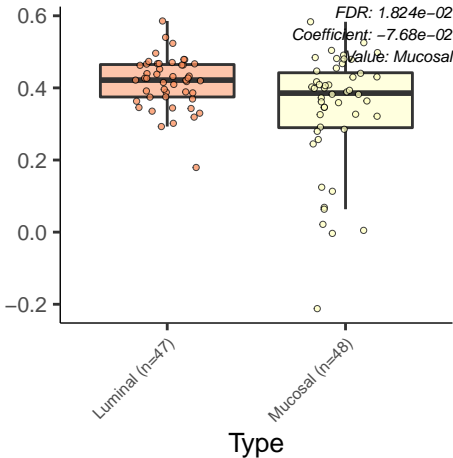
Mucosal (n=48)

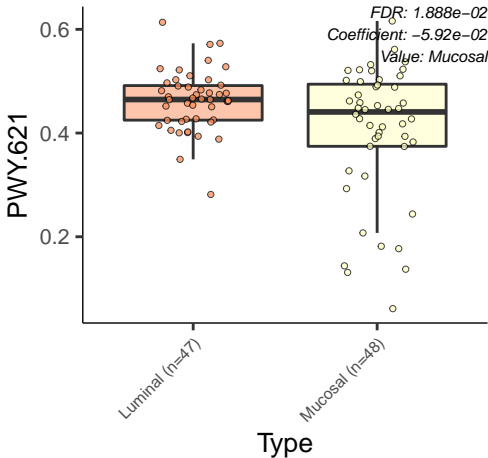
Type

FDR: $1.824e-02$
Coefficient: $-5.74e-02$
Value: Mucosal

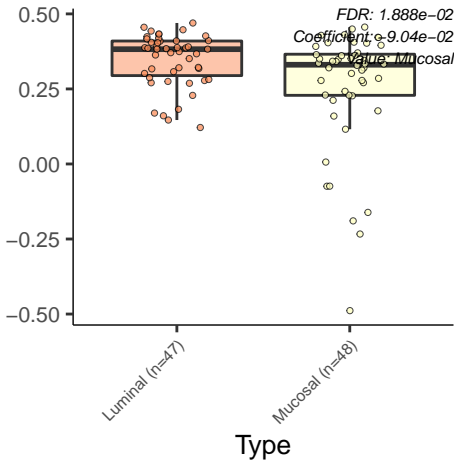


PWY.6151

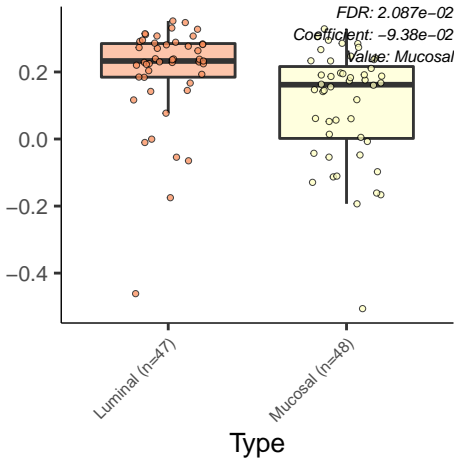




PWY.7392



COLANSYN.PWY



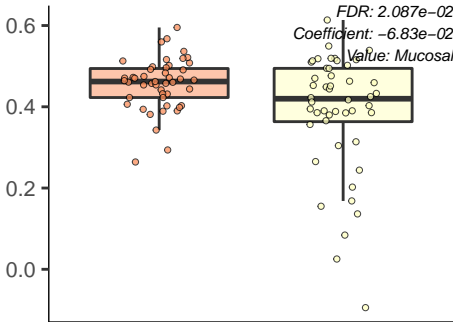
PWY0.1586

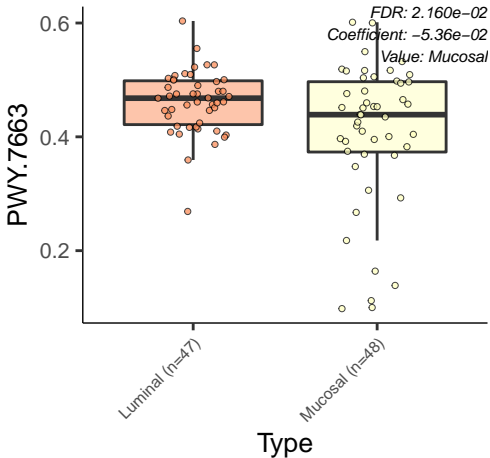
Luminal (n=47)

Mucosal (n=48)

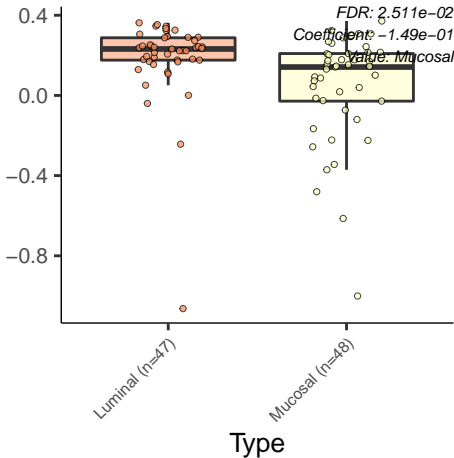
Type

FDR: 2.087×10^{-2}
Coefficient: -6.83×10^{-2}
Value: Mucosal





PWY.6507



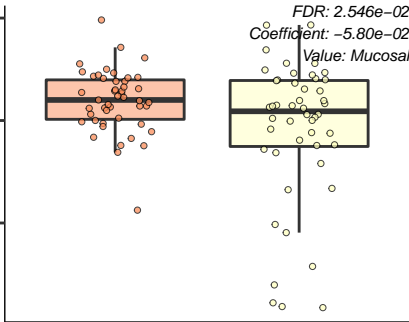
PWY.6123

Luminal (n=47)

Mucosal (n=48)

Type

FDR: $2.546e-02$
Coefficient: $-5.80e-02$
Value: Mucosal



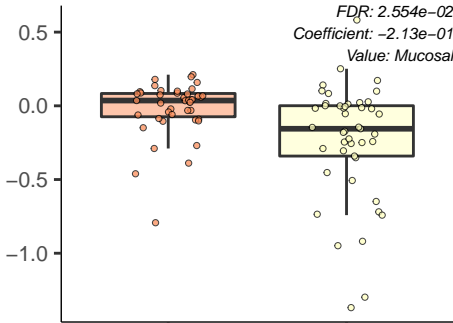
PWY.6467

FDR: 2.554e-02
Coefficient: -2.13e-01
Value: Mucosal

Luminal (n=47)

Mucosal (n=48)

Type



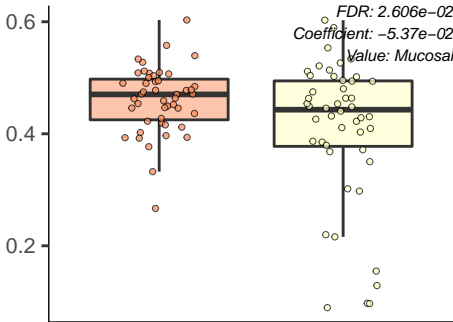
PWY.6121

Luminal (n=47)

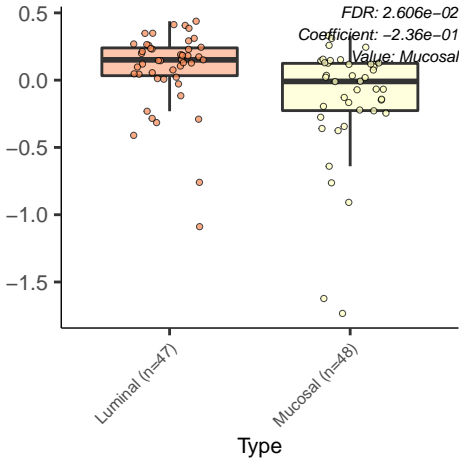
Mucosal (n=48)

Type

FDR: $2.606e-02$
Coefficient: $-5.37e-02$
Value: Mucosal



TEICHOICACID.PWY



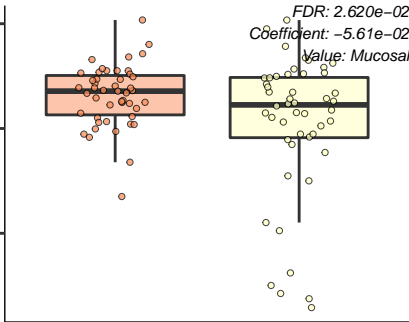
PWY.6122

Luminal (n=47)

Mucosal (n=48)

Type

FDR: 2.620×10^{-2}
Coefficient: -5.61×10^{-2}
Value: Mucosal



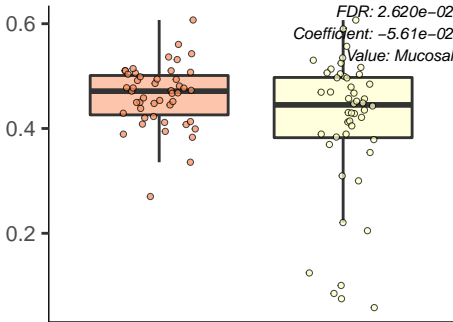
PWY.6277

Luminal (n=47)

Mucosal (n=48)

Type

FDR: 2.620×10^{-2}
Coefficient: -5.61×10^{-2}
Value: Mucosal



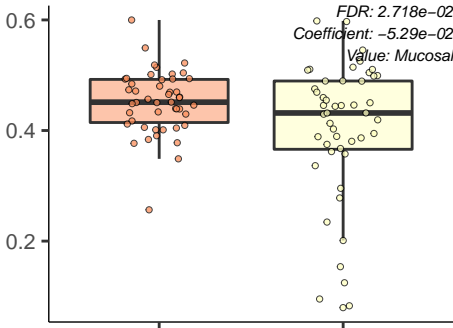
PWY.5973

Luminal (n=47)

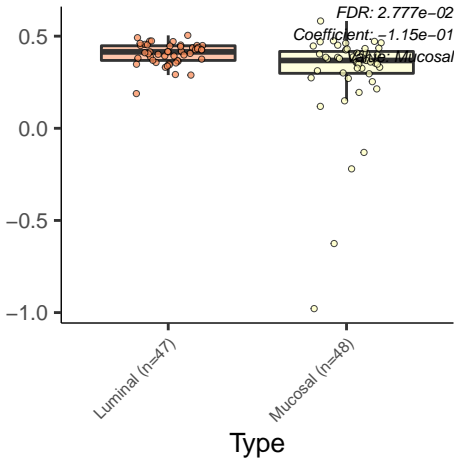
Mucosal (n=48)

Type

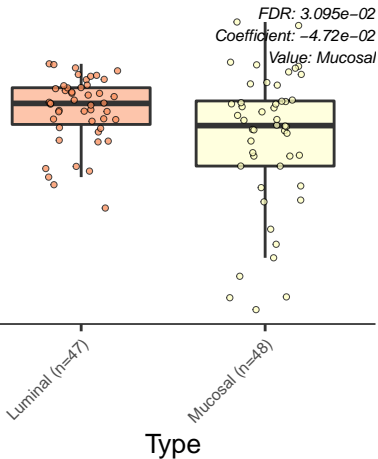
FDR: 2.718×10^{-2}
Coefficient: -5.29×10^{-2}
Value: Mucosal



OANTIGEN.PWY



CALVIN.PWY



PWY0.781

0.0
-0.5
-1.0

Luminal (n=47)

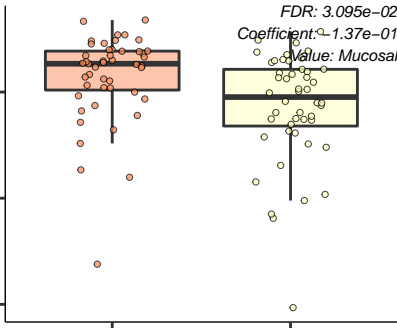
Mucosal (n=48)

Type

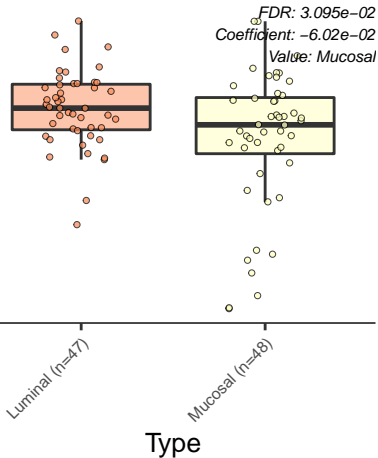
FDR: $3.095e-02$

Coefficient: $-1.37e-01$

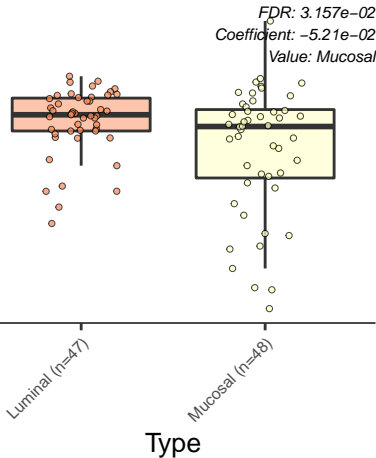
Value: Mucosal



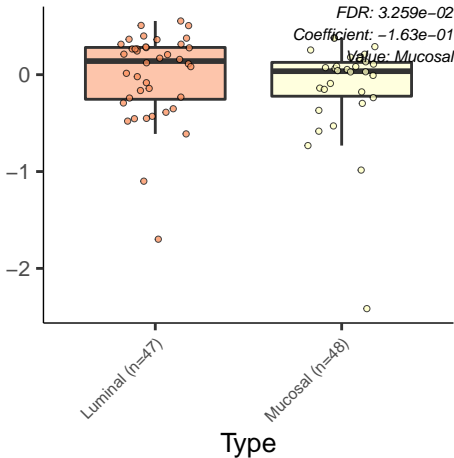
UDPNAGSYN.PWY



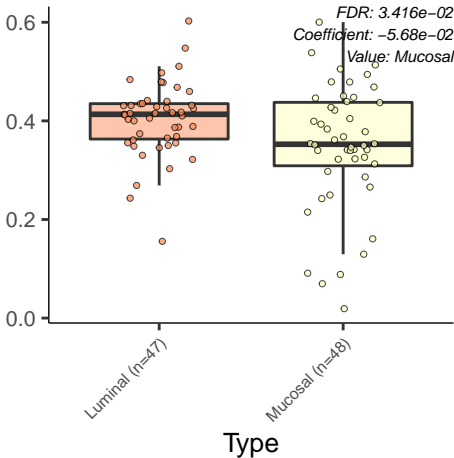
GLYCOCAT.PWY



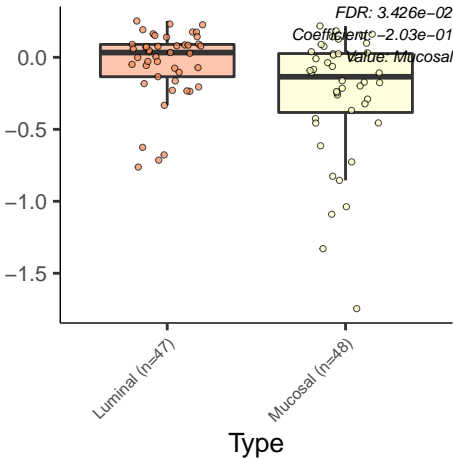
PWY.7013



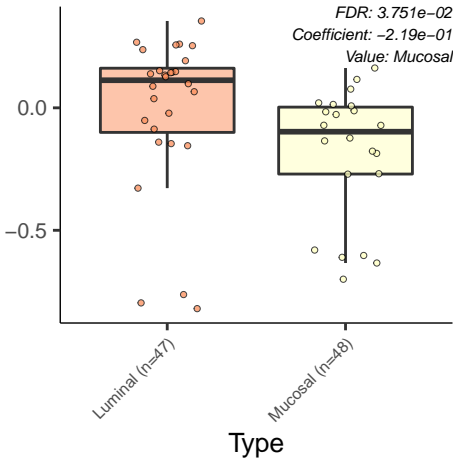
FASYN.ELONG.PWY



PWY.7328



PWY.4984



PWY.7003

0.0

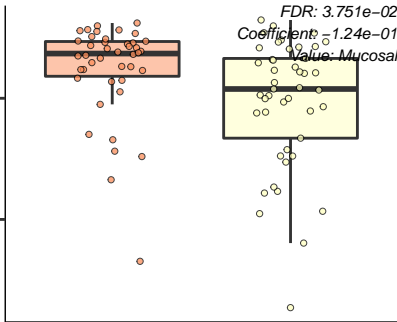
-0.5

Luminal (n=47)

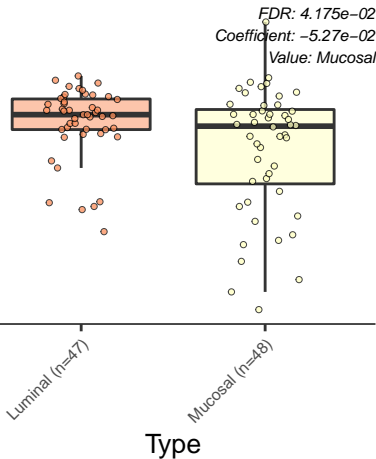
Mucosal (n=48)

Type

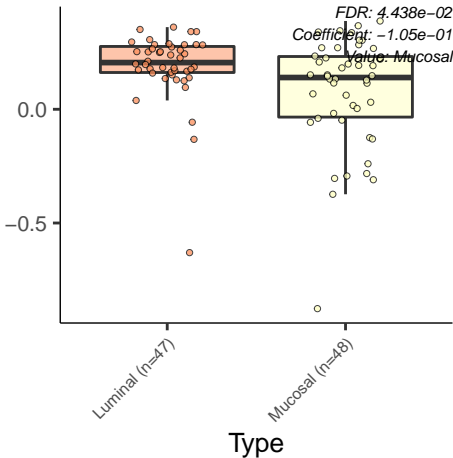
FDR: $3.751e-02$
Coefficient: $-1.24e-01$
Value: Mucosal



PWY.6737



GLUCUROCAT.PWY



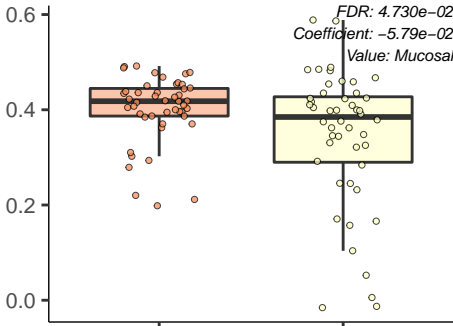
PWY.5121

Luminal (n=47)

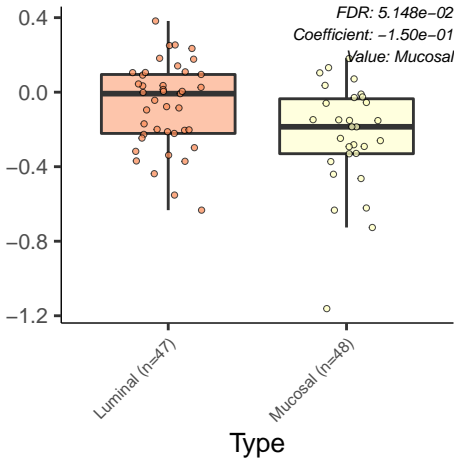
Mucosal (n=48)

Type

FDR: $4.730e-02$
Coefficient: $-5.79e-02$
Value: Mucosal



PWY490.3



P124.PWY

FDR: 5.293e-02

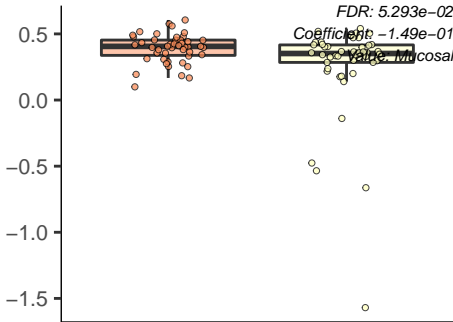
Coefficient: -1.49e-01

Value: Mucosal

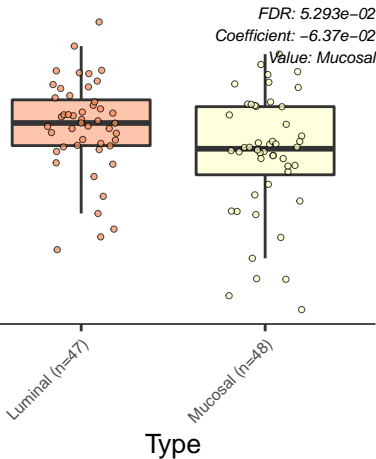
Luminal (n=47)

Mucosal (n=48)

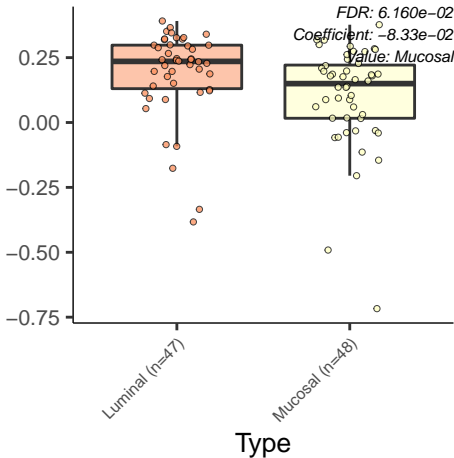
Type



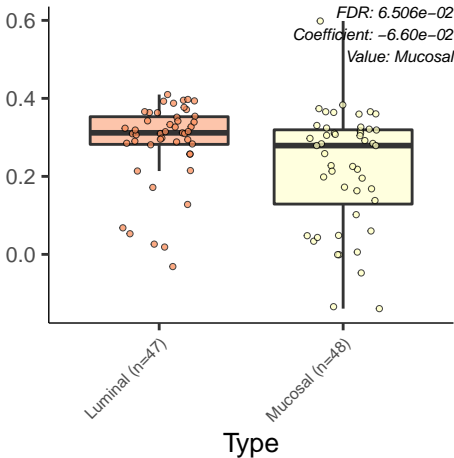
PWY.7187

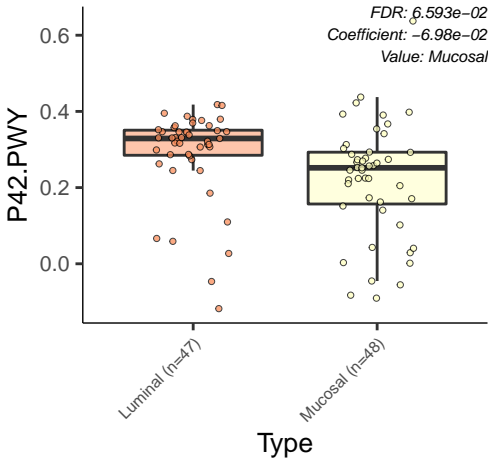


PWY.6353

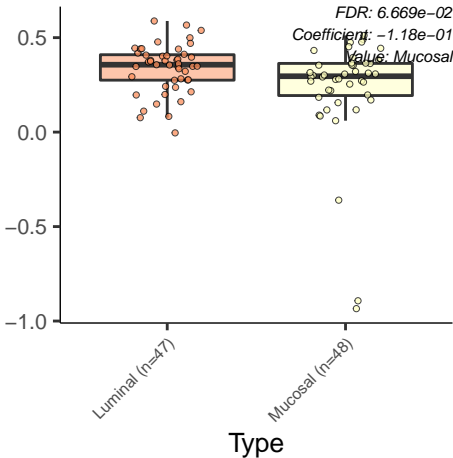


PWY.5659





P122.PWY



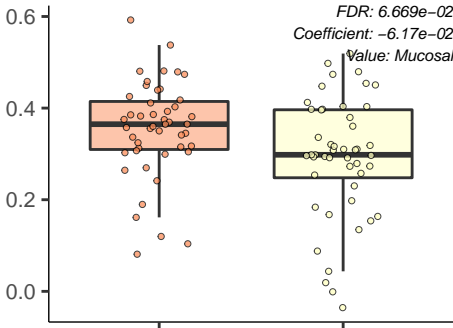
PWY0.166

Luminal (n=47)

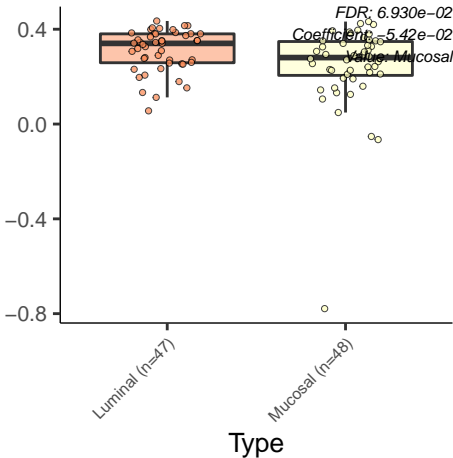
Mucosal (n=48)

Type

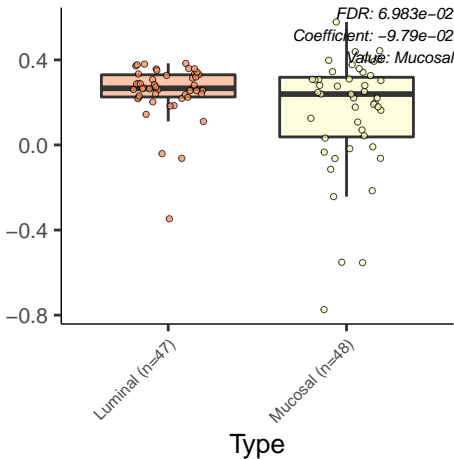
FDR: $6.669e-02$
Coefficient: $-6.17e-02$
Value: Mucosal



PENTOSE.P.PWY



PWY.5509



PWY.6608

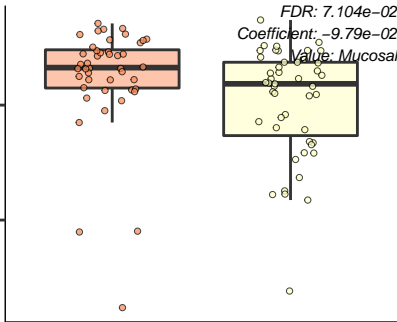
0.0
-0.5

Luminal (n=47)

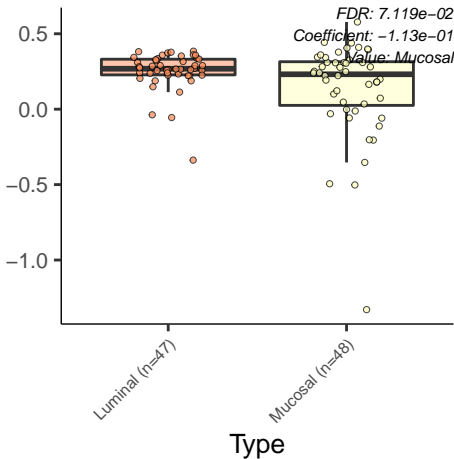
Mucosal (n=48)

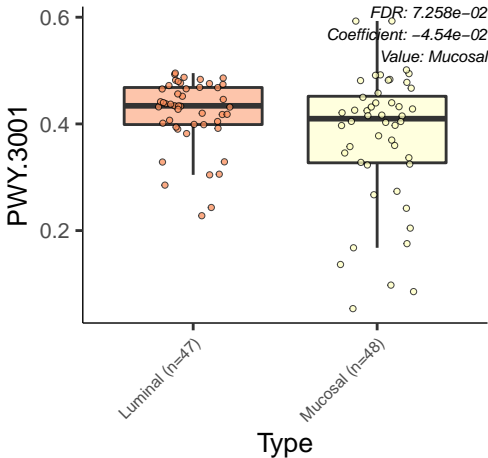
Type

FDR: $7.104e-02$
Coefficient: $-9.79e-02$
Value: Mucosal



PWY.6269





ARGSYN.PWY

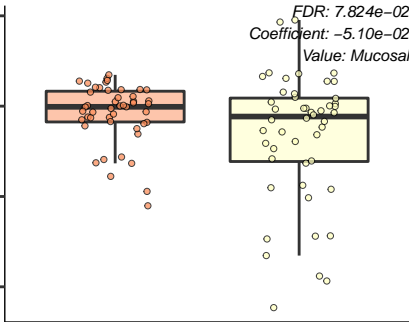
0.6
0.4
0.2
0.0

Luminal (n=47)

Mucosal (n=48)

Type

FDR: $7.824e-02$
Coefficient: $-5.10e-02$
Value: Mucosal



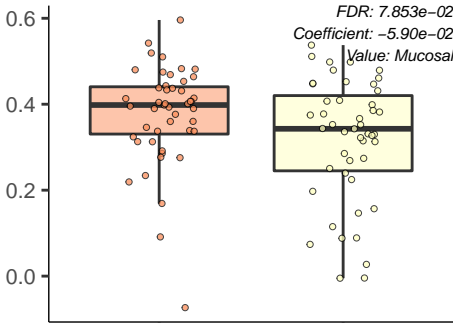
PWY.7234

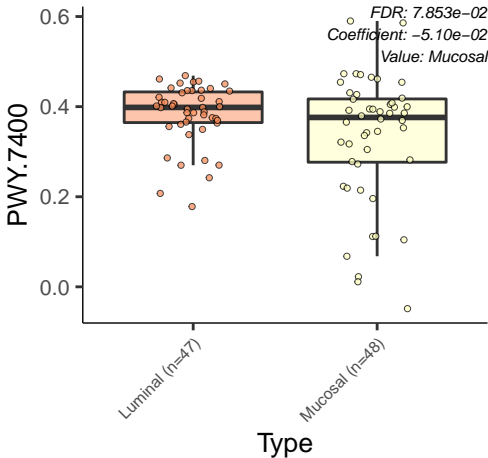
Luminal (n=47)

Mucosal (n=48)

Type

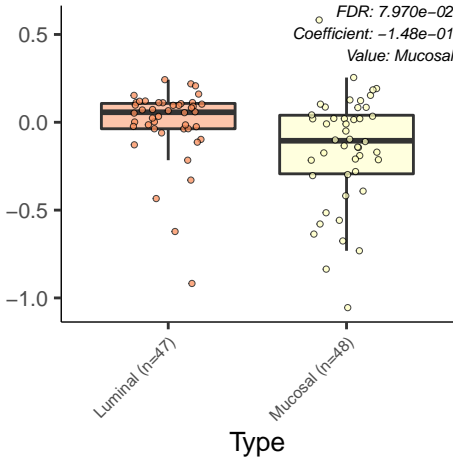
FDR: $7.853e-02$
Coefficient: $-5.90e-02$
Value: Mucosal



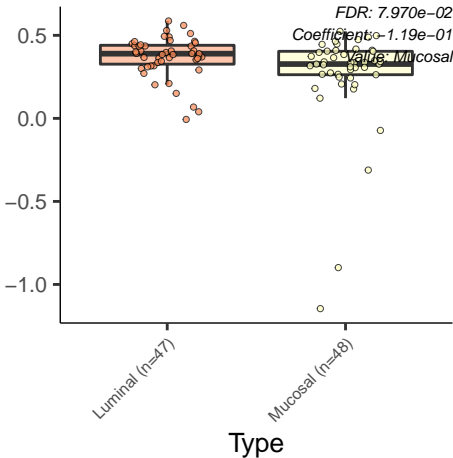


PWY.1269

FDR: 7.970e-02
Coefficient: -1.48e-01
Value: Mucosal



PWY.2941



RUMP.PWY

FDR: 8.403e-02

Coefficient: -1.44e-01

Value: Mucosal

0.0

-0.5

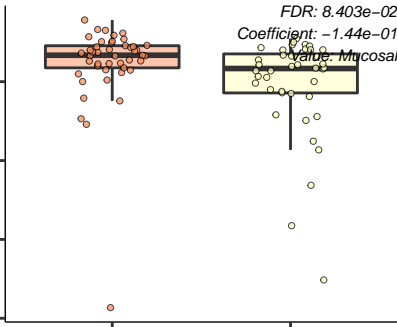
-1.0

-1.5

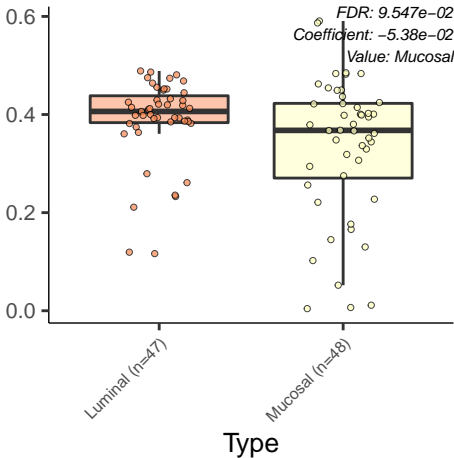
Luminal (n=47)

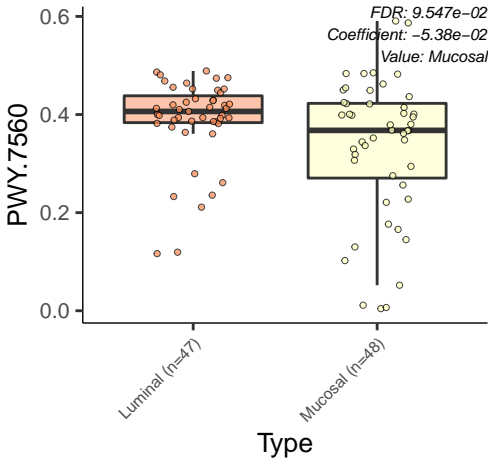
Mucosal (n=48)

Type

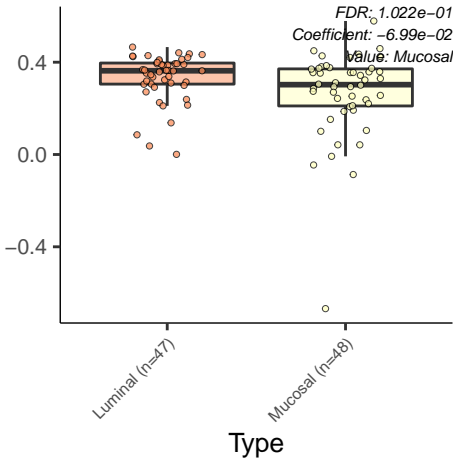


NONMEVIPP.PWY





PWY.7199



DENOVOPURINE2.PWY

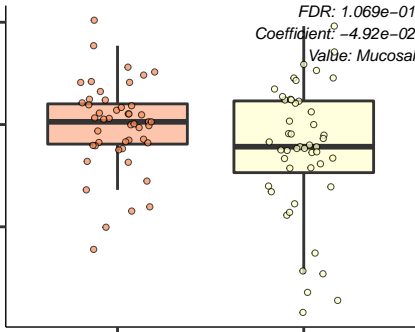
0.6
0.4
0.2

Luminal (n=47)

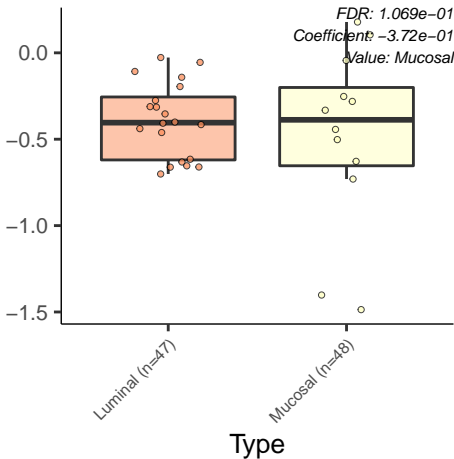
Mucosal (n=48)

Type

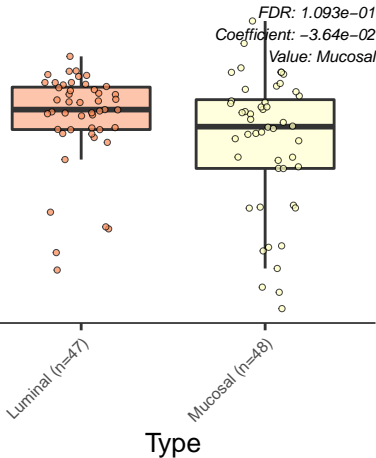
FDR: 1.069e-01
Coefficient: -4.92e-02
Value: Mucosal



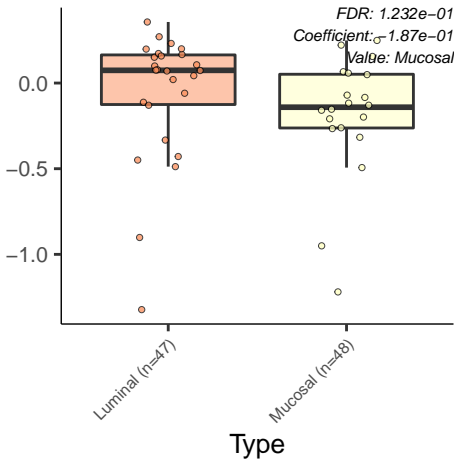
PWY.5304



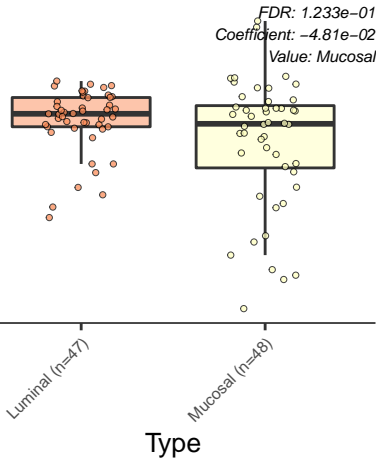
NONOXIPENT.PWY



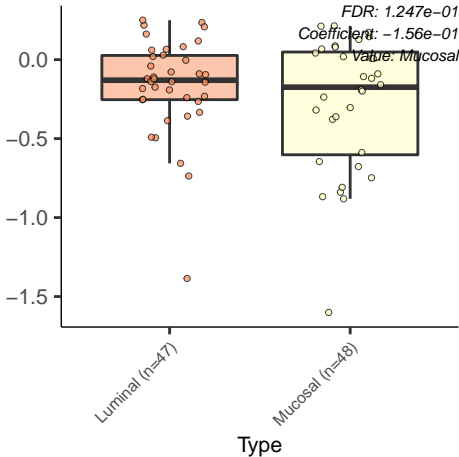
PWY.7377



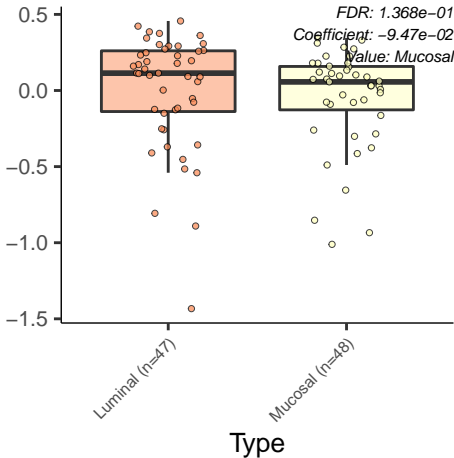
ARGSYNB.SUB.PWY



NAD.BIOSYNTHESIS.II



PWY.6628



PWY.6630

FDR: 1.410e-01

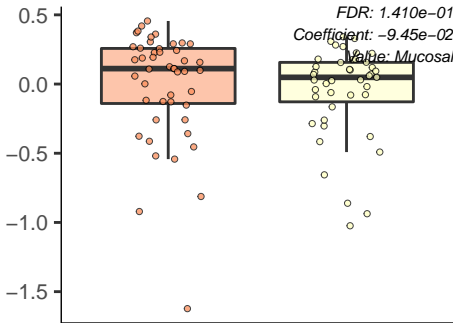
Coefficient: -9.45e-02

Value: Mucosal

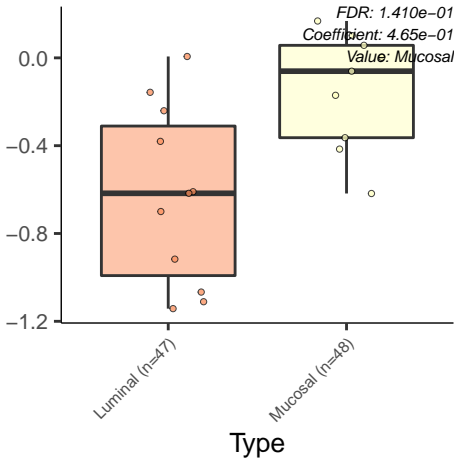
Luminal (n=47)

Mucosal (n=48)

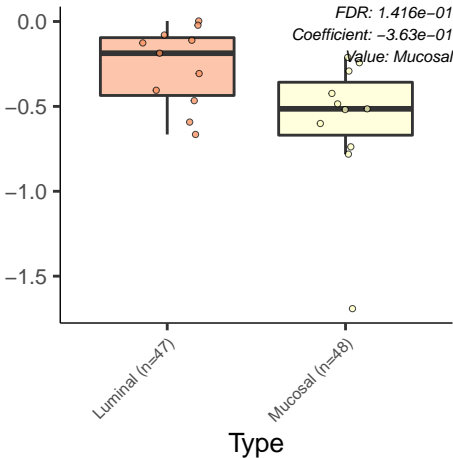
Type



PWY0.845



P562.PWY



SER.GLYSYN.PWY

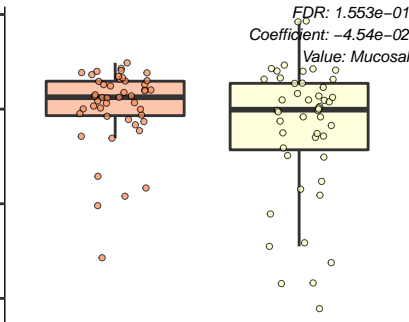
0.6
0.4
0.2
0.0

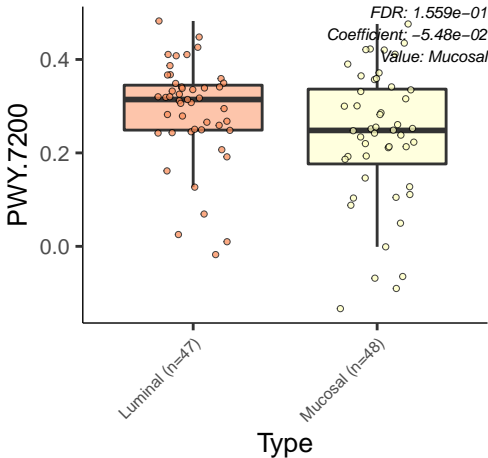
Luminal (n=47)

Mucosal (n=48)

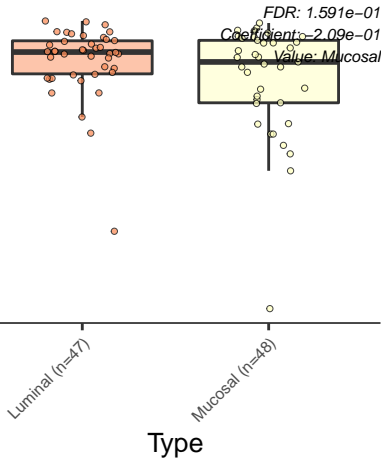
Type

FDR: 1.553e-01
Coefficient: -4.54e-02
Value: Mucosal





MET.SAM.PWY



PWY.6969

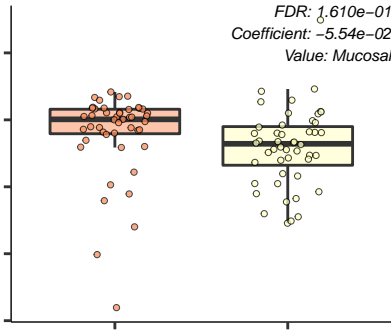
FDR: 1.610e-01
Coefficient: -5.54e-02
Value: Mucosal

0.50
0.25
0.00
-0.25
-0.50

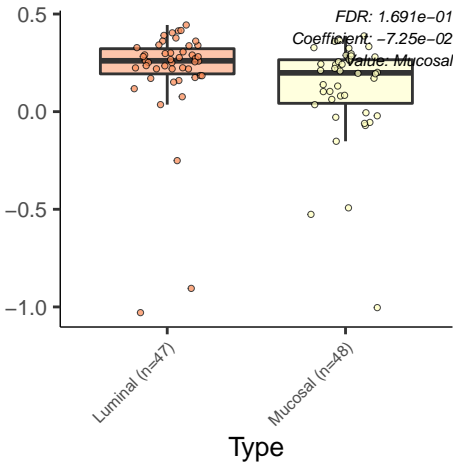
Luminal (n=47)

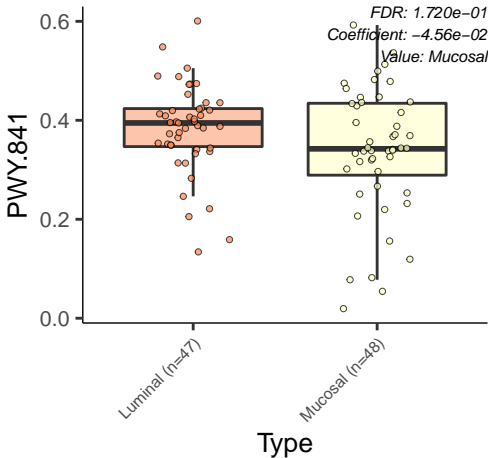
Mucosal (n=48)

Type

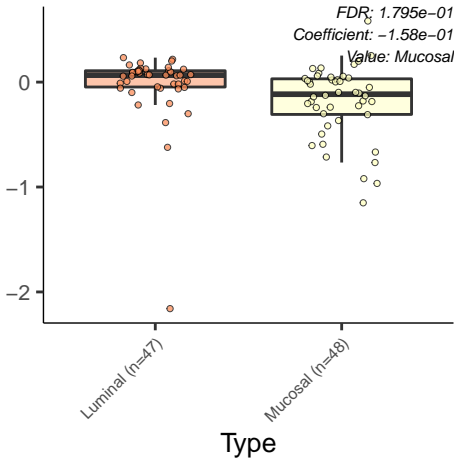


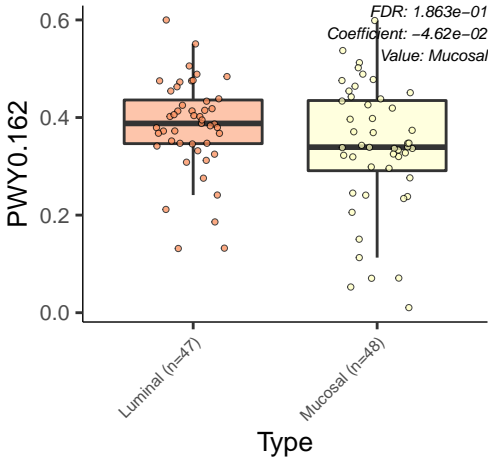
PWY.1861





NAGLIPASYN.PWY





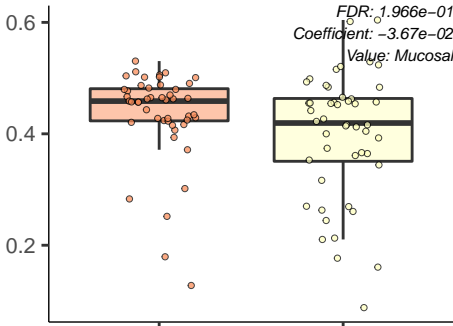
PWY.7111

Luminal (n=47)

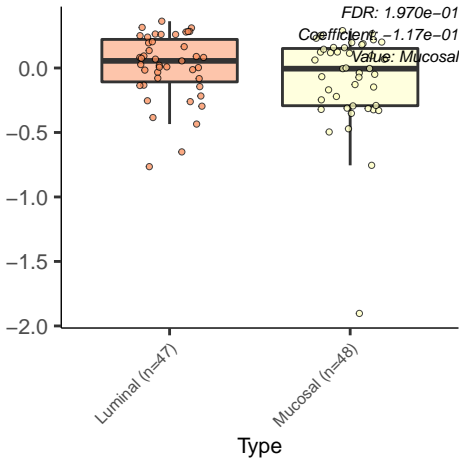
Mucosal (n=48)

Type

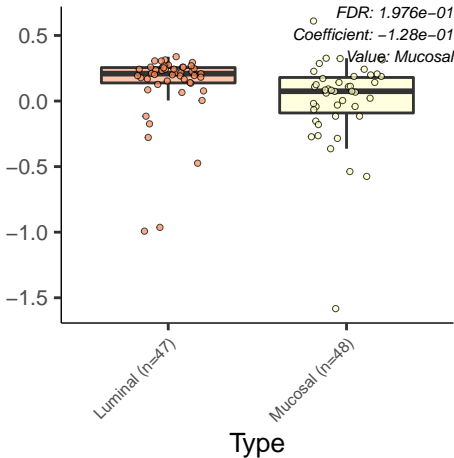
FDR: 1.966e-01
Coefficient: -3.67e-02
Value: Mucosal



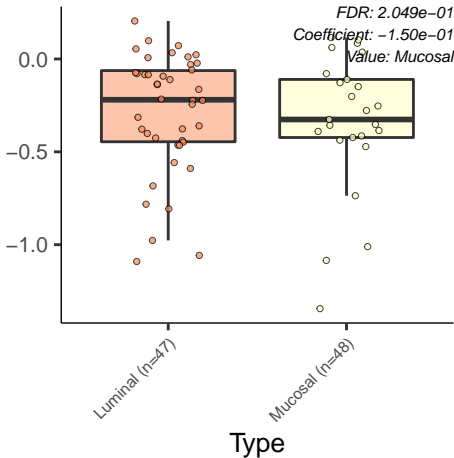
HEXITOLDEGSUPER.PWY



P108.PWY



ARGORNPST.PWY



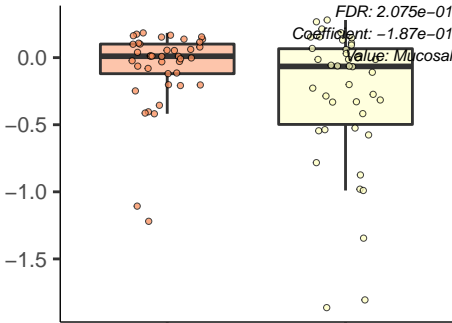
PWY.6588

Luminal (n=47)

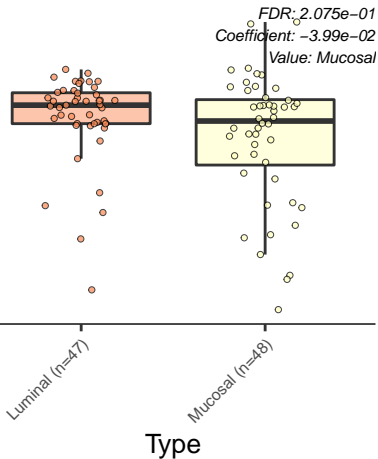
Mucosal (n=48)

Type

FDR: $2.075e-01$
Coefficient: $-1.87e-01$
Value: Mucosal



ILEUSYN.PWY



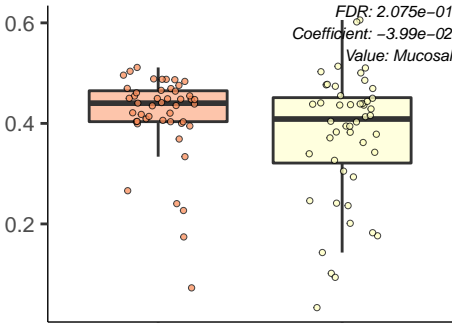
VALSYN.PWY

Luminal (n=47)

Mucosal (n=48)

Type

FDR: $2.075e-01$
Coefficient: $-3.99e-02$
Value: Mucosal



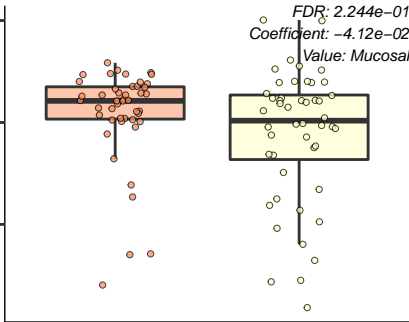
PWY.5104

Luminal (n=47)

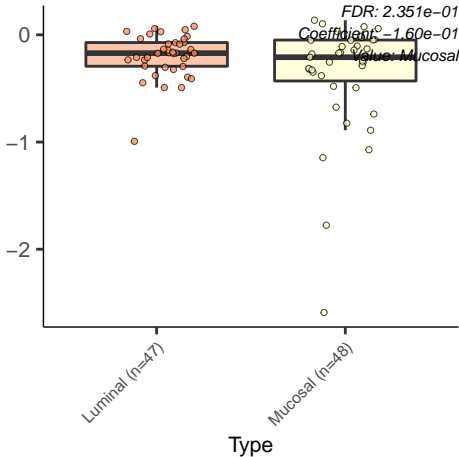
Mucosal (n=48)

Type

FDR: 2.244e-01
Coefficient: -4.12e-02
Value: Mucosal



ARG.POLYAMINE.SYN



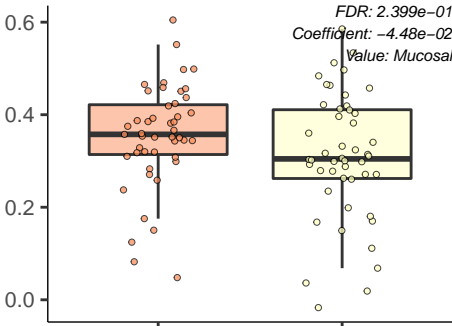
PWY.6125

Luminal (n=47)

Mucosal (n=48)

Type

FDR: 2.399e-01
Coefficient: -4.48e-02
Value: Mucosal



PWY.5101

Luminal (n=47)

Mucosal (n=48)

Type

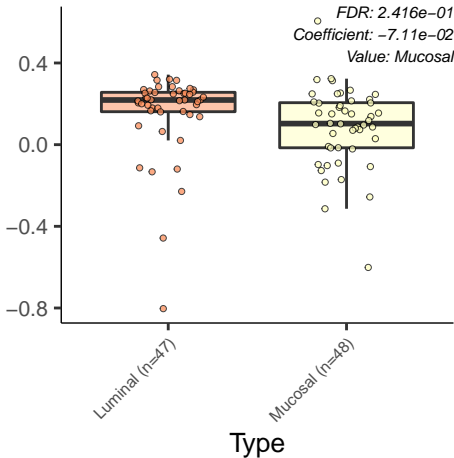
FDR: $2.416e-01$
Coefficient: $-3.78e-02$
Value: Mucosal

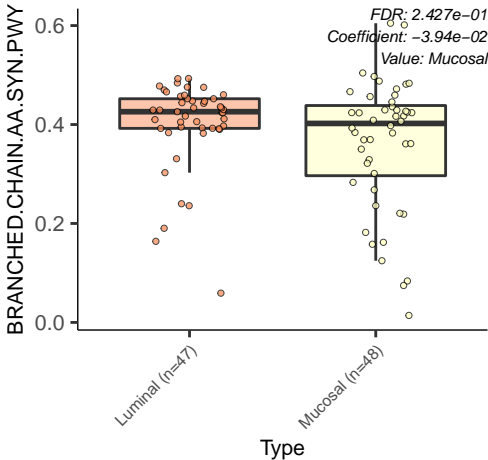
0.6

0.4

0.2

THISYN.PWY





PWY.7196

Luminal (n=47)

Mucosal (n=48)

Type

FDR: 2.485e-01
Coefficient: -4.27e-02
Value: Mucosal

0.4

0.2

0.0

