

X1CMET2.PWY

FDR: 7.583e-15

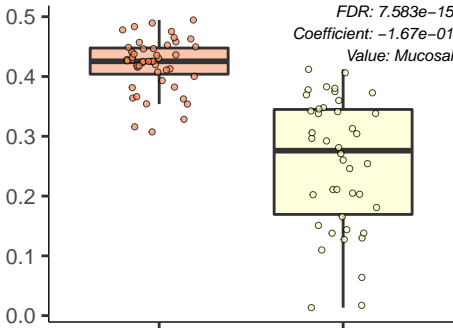
Coefficient: -1.67e-01

Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



ASPASN.PWY

FDR: 7.583e-15

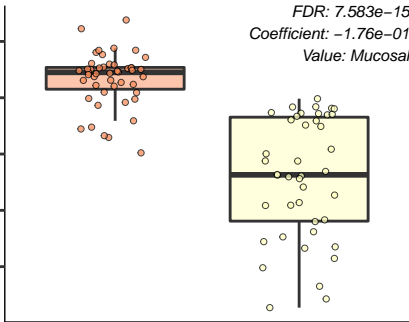
Coefficient: -1.76e-01

Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



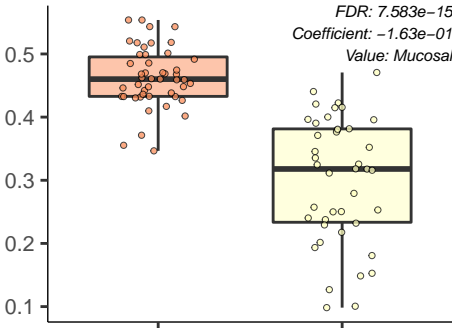
GLUCONEO.PWY

Luminal (n=47)

Mucosal (n=42)

Type

FDR: 7.583e-15
Coefficient: -1.63e-01
Value: Mucosal



GLYCOCAT.PWY

Luminal (n=47)

Mucosal (n=42)

Type

FDR: 4.929e-14
Coefficient: -1.60e-01
Value: Mucosal

0.5

0.4

0.3

0.2

0.1

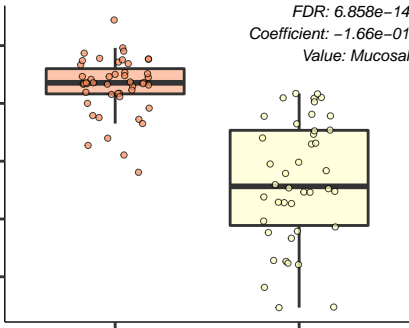
PWY.6737

Luminal (n=47)

Mucosal (n=42)

Type

FDR: 6.858e-14
Coefficient: -1.66e-01
Value: Mucosal



GLYCOLYSIS

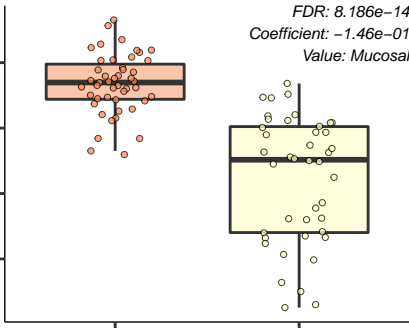
0.5
0.4
0.3
0.2

Luminal (n=47)

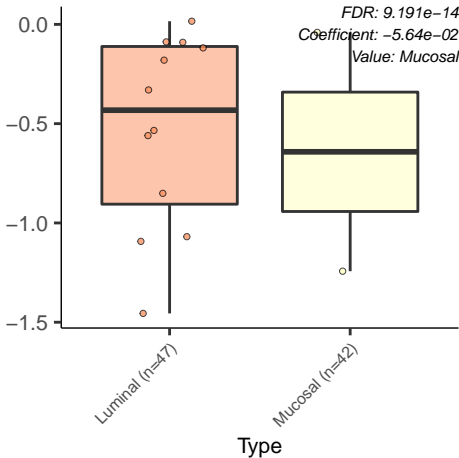
Mucosal (n=42)

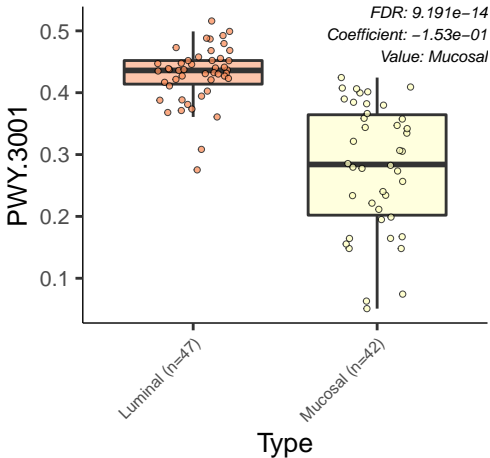
Type

FDR: 8.186e-14
Coefficient: -1.46e-01
Value: Mucosal



METH.ACETATE.PWY





TRNA.CHARGING.PWY

FDR: $9.324e-14$

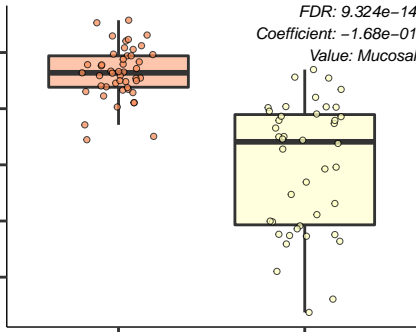
Coefficient: $-1.68e-01$

Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



ANAEROFRUCAT.PWY

FDR: 2.131e-13

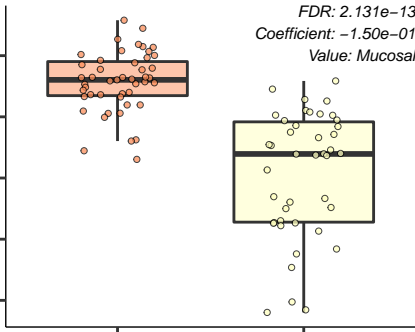
Coefficient: -1.50e-01

Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



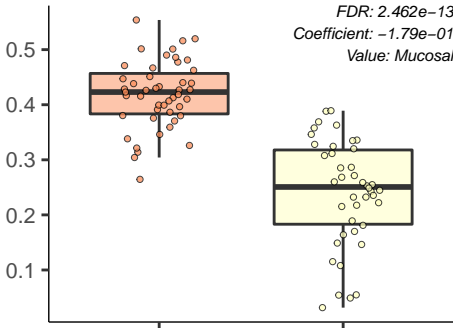
PWY.5695

Luminal (n=47)

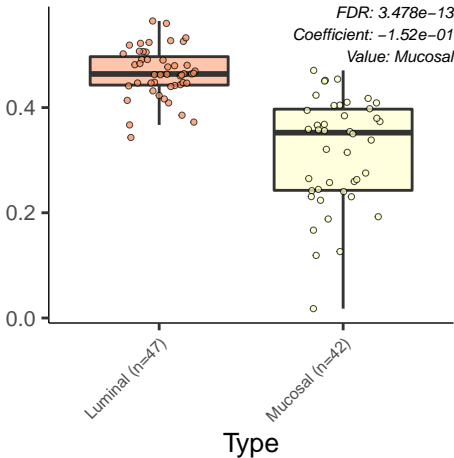
Mucosal (n=42)

Type

FDR: 2.462×10^{-13}
Coefficient: -1.79×10^{-1}
Value: Mucosal



PWY.5484



PWY.5121

Luminal (n=47)

Mucosal (n=42)

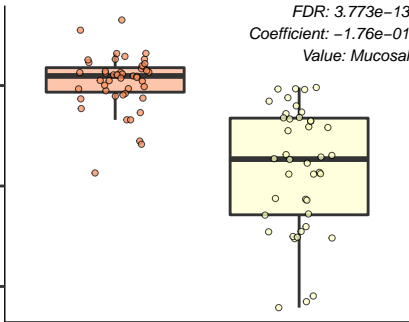
Type

FDR: 3.773e-13
Coefficient: -1.76e-01
Value: Mucosal

0.4

0.2

0.0



THRESYN.PWY

FDR: 4.151e-13

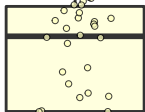
Coefficient: -1.63e-01

Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



SER.GLYSYN.PWY

FDR: 4.215e-13

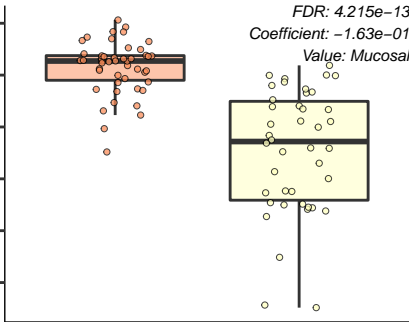
Coefficient: -1.63e-01

Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



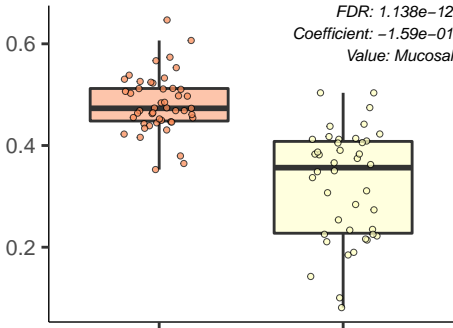
PWY.2942

Luminal (n=47)

Mucosal (n=42)

Type

FDR: $1.138e-12$
Coefficient: $-1.59e-01$
Value: Mucosal



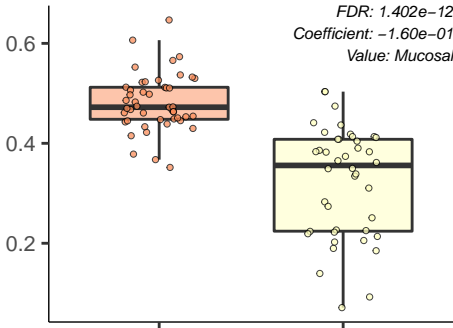
PWY.5097

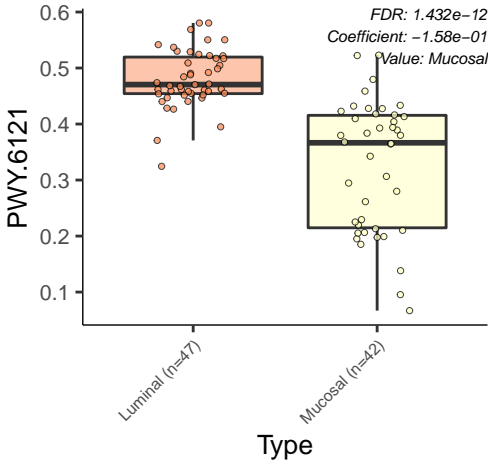
Luminal (n=47)

Mucosal (n=42)

Type

FDR: $1.402e-12$
Coefficient: $-1.60e-01$
Value: Mucosal





CALVIN.PWY

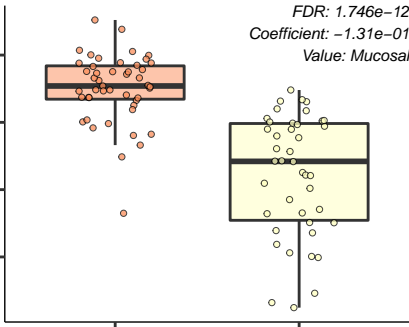
Luminal (n=47)

Mucosal (n=42)

Type

FDR: 1.746e-12
Coefficient: -1.31e-01
Value: Mucosal

0.5
0.4
0.3
0.2



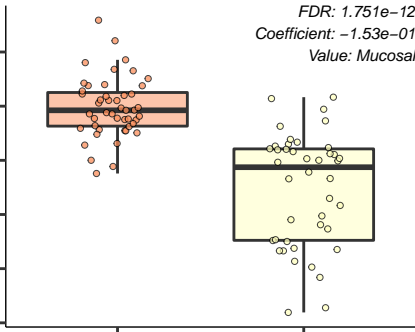
ANAGLYCOLYSIS.PWY

FDR: 1.751e-12
Coefficient: -1.53e-01
Value: Mucosal

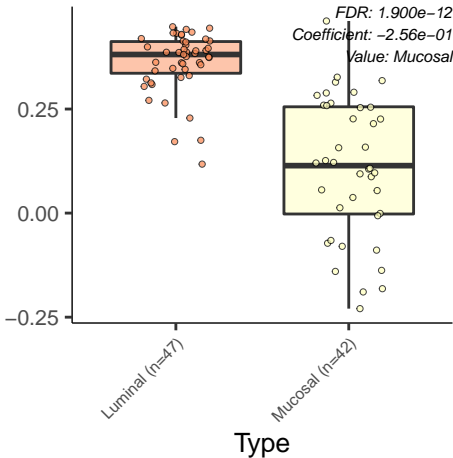
Luminal (n=47)

Mucosal (n=42)

Type



P42.PWY



PWY.5104

Luminal (n=47)

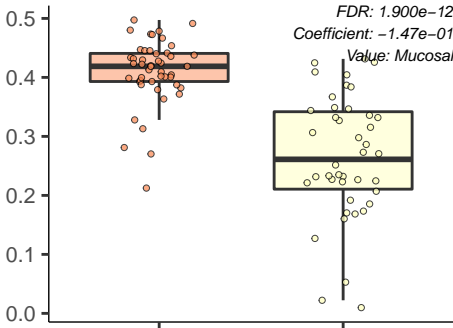
Mucosal (n=42)

Type

FDR: $1.900e-12$

Coefficient: $-1.47e-01$

Value: Mucosal



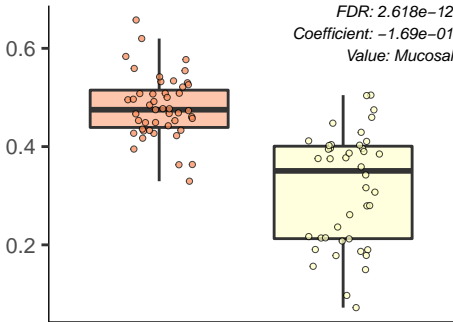
PWY.6317

Luminal (n=47)

Mucosal (n=42)

Type

FDR: 2.618e-12
Coefficient: -1.69e-01
Value: Mucosal



PWY.7219

FDR: 2.849e-12

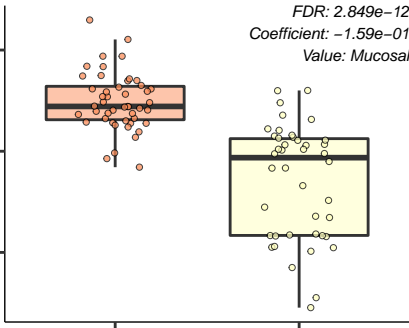
Coefficient: -1.59e-01

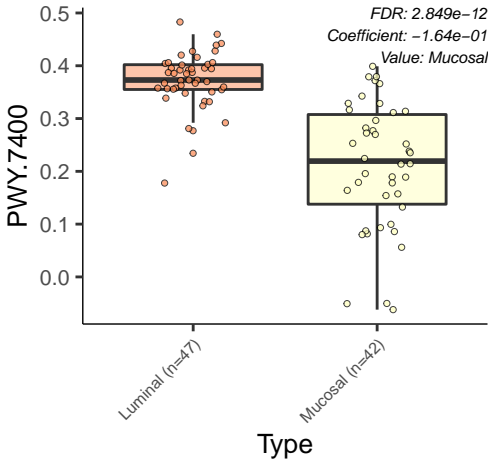
Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type





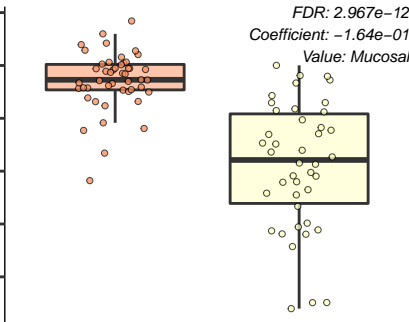
ARGSYN.PWY

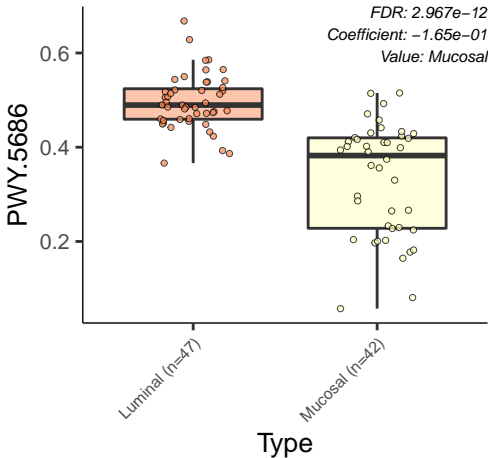
Luminal (n=47)

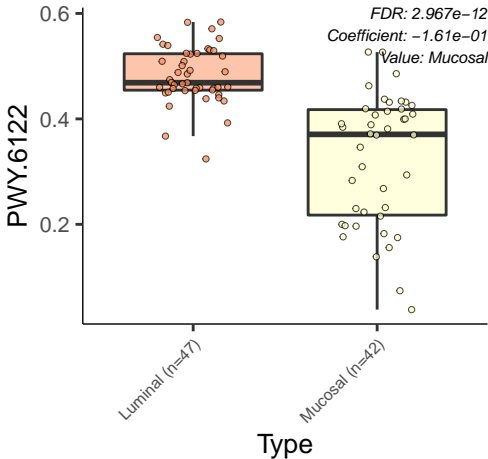
Mucosal (n=42)

Type

FDR: 2.967e-12
Coefficient: -1.64e-01
Value: Mucosal







PWY.6123

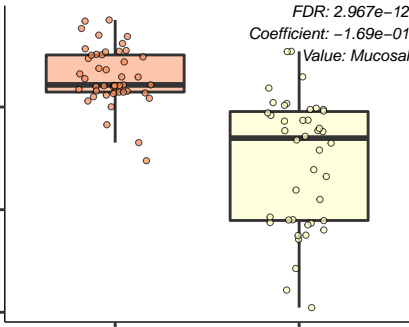
Luminal (n=47)

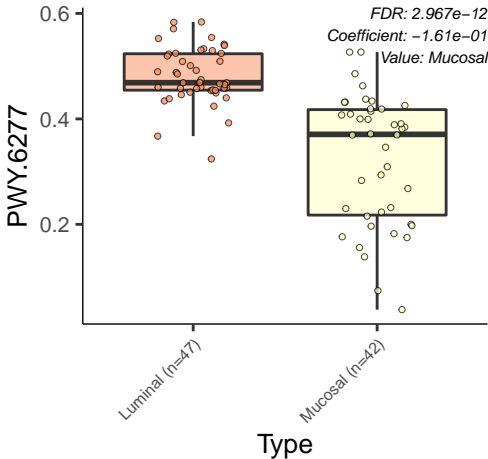
Mucosal (n=42)

Type

FDR: $2.967e-12$
Coefficient: $-1.69e-01$
Value: Mucosal

0.4
0.2
0.0





GLYCOGENSYNTH.PWY

FDR: 3.226e-12

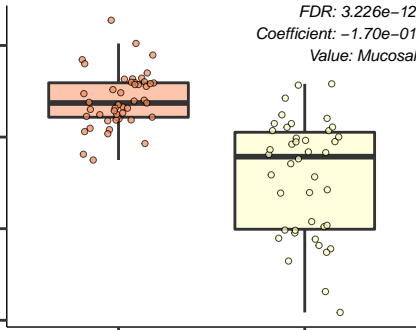
Coefficient: -1.70e-01

Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



PWY.6126

Luminal (n=47)

Mucosal (n=42)

Type

FDR: 3.226×10^{-12}
Coefficient: -1.57×10^{-1}
Value: Mucosal

0.6

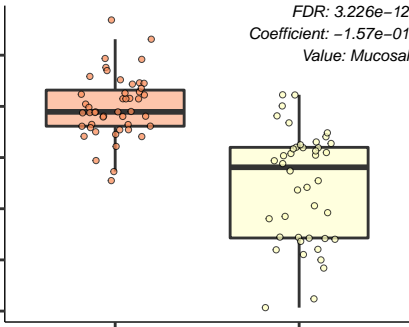
0.5

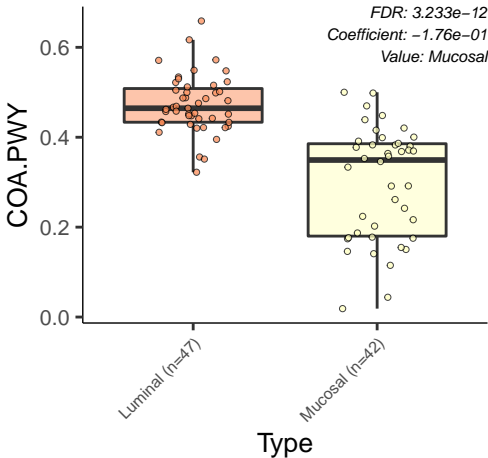
0.4

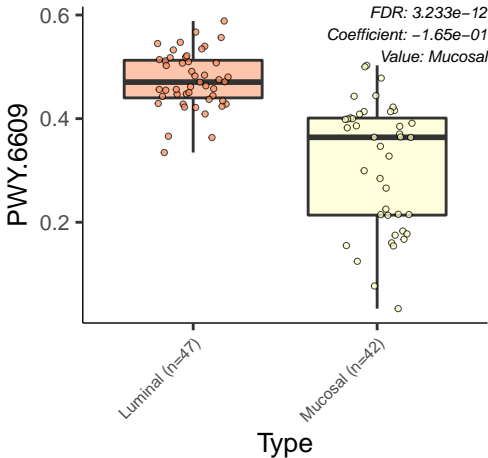
0.3

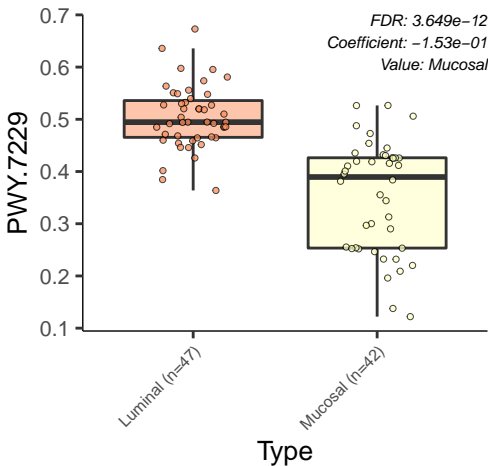
0.2

0.1









PEPTIDOGLYCANSYN.PWY

FDR: $3.818e-12$

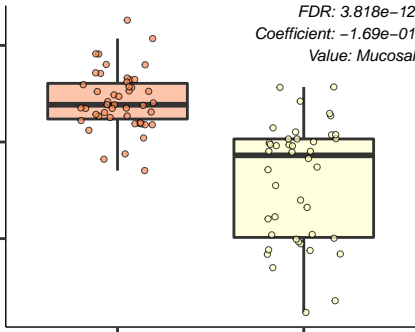
Coefficient: $-1.69e-01$

Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



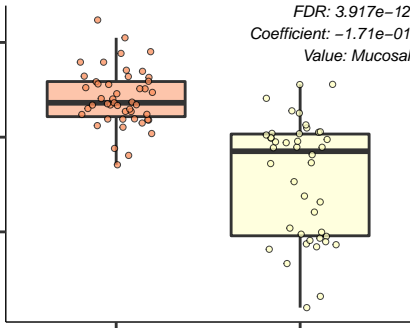
PWY.6386

Luminal (n=47)

Mucosal (n=42)

Type

FDR: $3.917\text{e-}12$
Coefficient: $-1.71\text{e-}01$
Value: Mucosal



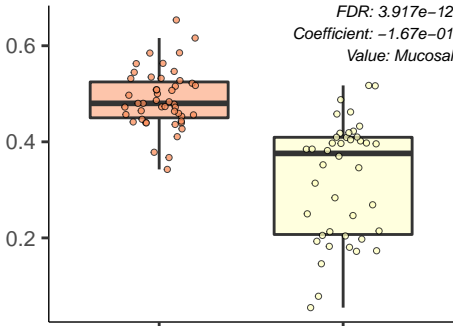
PWY.6387

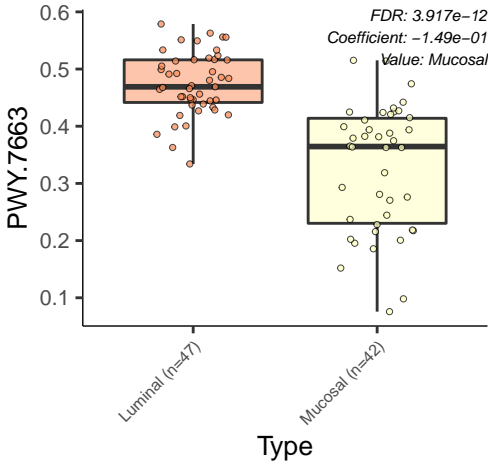
Luminal (n=47)

Mucosal (n=42)

Type

FDR: $3.917e-12$
Coefficient: $-1.67e-01$
Value: Mucosal





PWY.5667

FDR: 4.824e-12

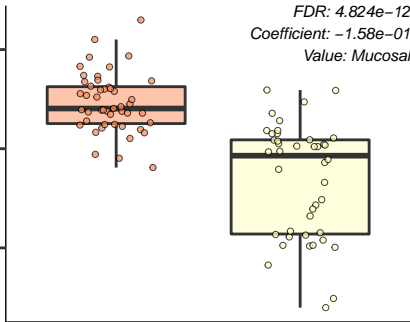
Coefficient: -1.58e-01

Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



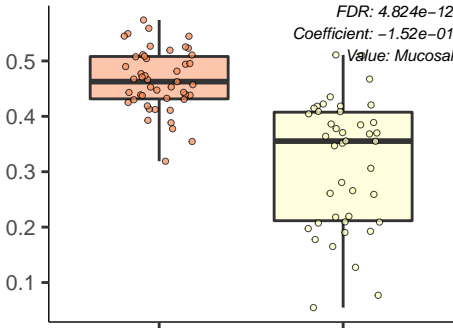
PWY.5973

Luminal (n=47)

Mucosal (n=42)

Type

FDR: $4.824e-12$
Coefficient: $-1.52e-01$
Value: Mucosal



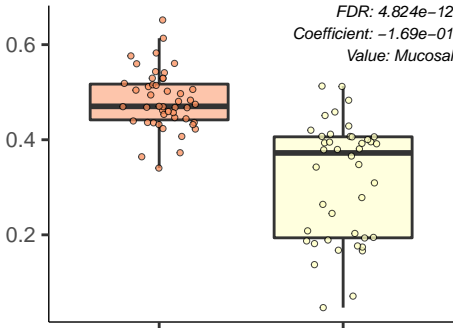
PWY.6385

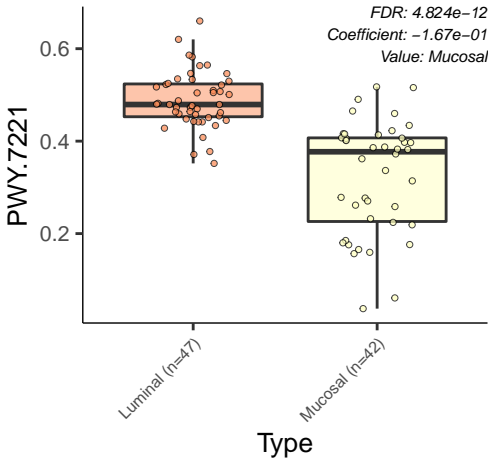
Luminal (n=47)

Mucosal (n=42)

Type

FDR: $4.824e-12$
Coefficient: $-1.69e-01$
Value: Mucosal





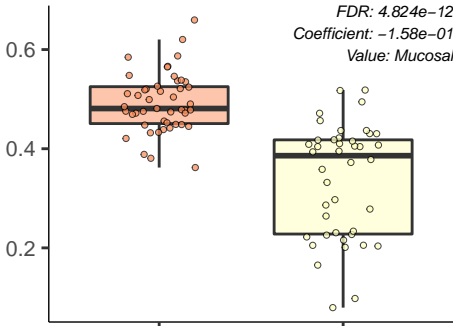
PWY0.1319

Luminal (n=47)

Mucosal (n=42)

Type

FDR: 4.824e-12
Coefficient: -1.58e-01
Value: Mucosal



PWY.6151

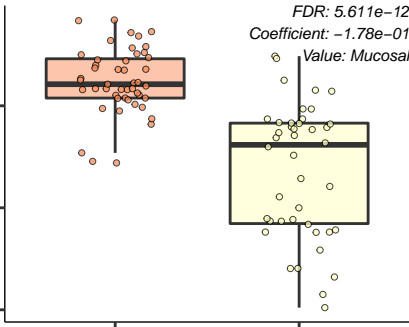
Luminal (n=47)

Mucosal (n=42)

Type

FDR: 5.611e-12
Coefficient: -1.78e-01
Value: Mucosal

0.4
0.2
0.0



PWY.7208

Luminal (n=47)

Mucosal (n=42)

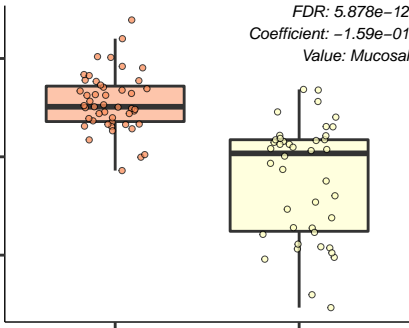
Type

FDR: 5.878e-12
Coefficient: -1.59e-01
Value: Mucosal

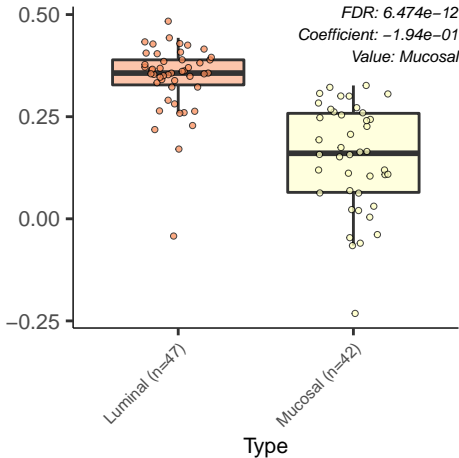
0.6

0.4

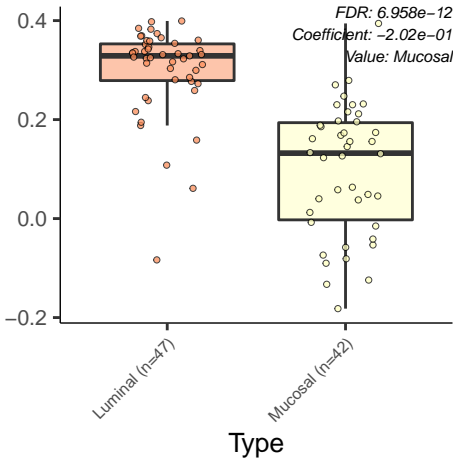
0.2



FERMENTATION.PWY



PANTOSYN.PWY



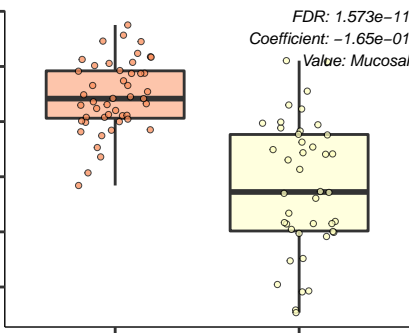
FASYN.ELONG.PWY

Luminal (n=47)

Mucosal (n=42)

Type

FDR: 1.573e-11
Coefficient: -1.65e-01
Value: Mucosal



PWY.5659

Luminal (n=47)

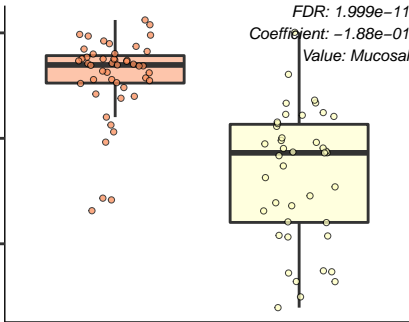
Mucosal (n=42)

Type

FDR: 1.999e-11

Coefficient: -1.88e-01

Value: Mucosal



PHOSLIPSYN.PWY

FDR: 2.168e-11

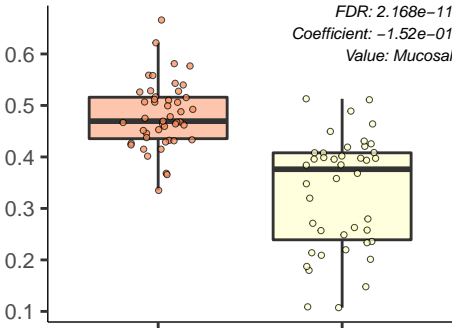
Coefficient: -1.52e-01

Value: Mucosal

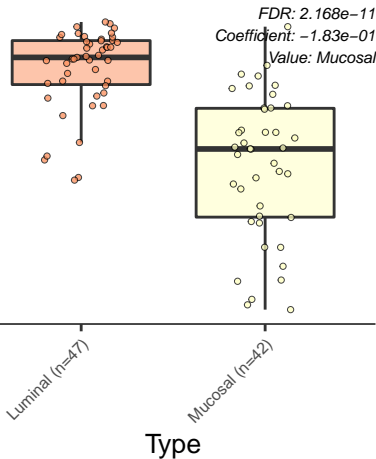
Luminal (n=47)

Mucosal (n=42)

Type



RIBOSYN2.PWY



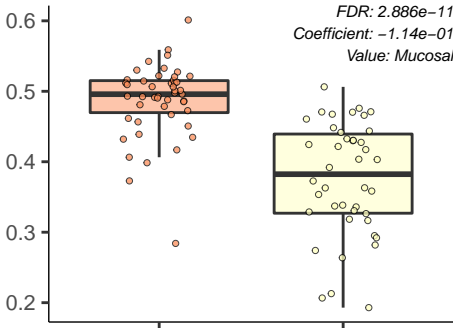
NONOXIPENT.PWY

FDR: 2.886e-11
Coefficient: -1.14e-01
Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



BRANCHED.CHAIN.AA.SYN.PWY

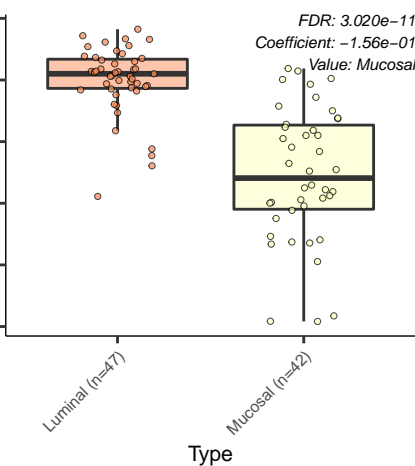
0.5
0.4
0.3
0.2
0.1
0.0

Luminal (n=47)

Mucosal (n=42)

Type

FDR: 3.020e-11
Coefficient: -1.56e-01
Value: Mucosal



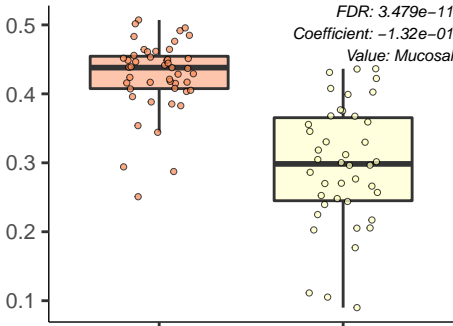
PWY.7111

Luminal (n=47)

Mucosal (n=42)

Type

FDR: 3.479×10^{-11}
Coefficient: -1.32×10^{-1}
Value: Mucosal



PWY4FS.7

FDR: 3.524e-11

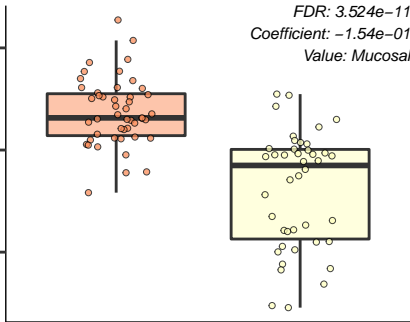
Coefficient: -1.54e-01

Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



PWY4FS.8

FDR: 3.524e-11

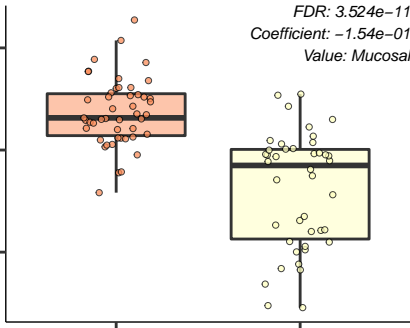
Coefficient: -1.54e-01

Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



PWY.7220

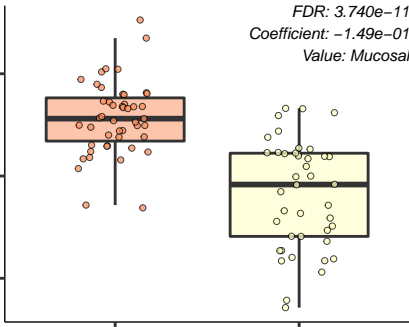
Luminal (n=47)

Mucosal (n=42)

Type

FDR: 3.740×10^{-11}
Coefficient: -1.49×10^{-1}
Value: Mucosal

0.6
0.4
0.2



PWY.7222

Luminal (n=47)

Mucosal (n=42)

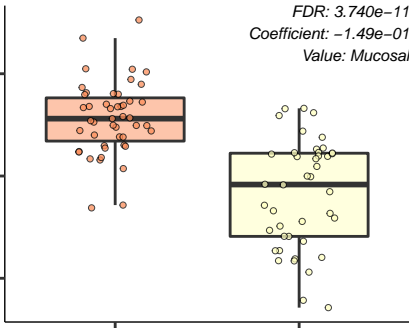
Type

FDR: 3.740e-11
Coefficient: -1.49e-01
Value: Mucosal

0.6

0.4

0.2



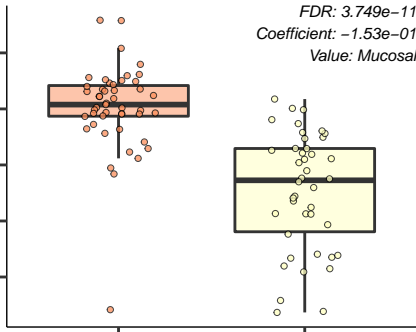
DAPLYSINESYN.PWY

FDR: 3.749×10^{-11}
Coefficient: -1.53×10^{-1}
Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



NONMEVIPP.PWY

FDR: 3.756e-11

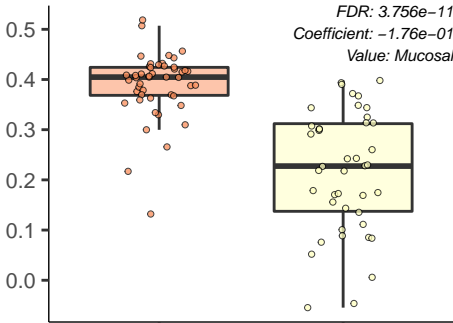
Coefficient: -1.76e-01

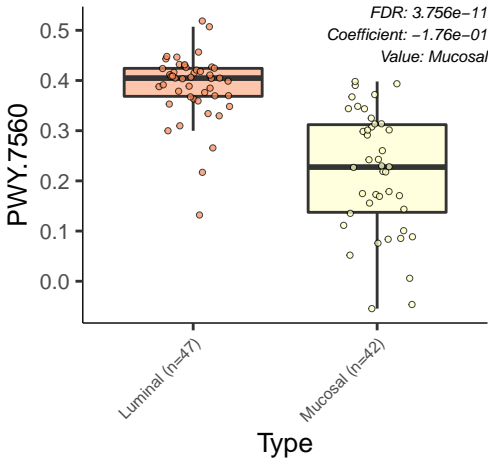
Value: Mucosal

Luminal (n=47)

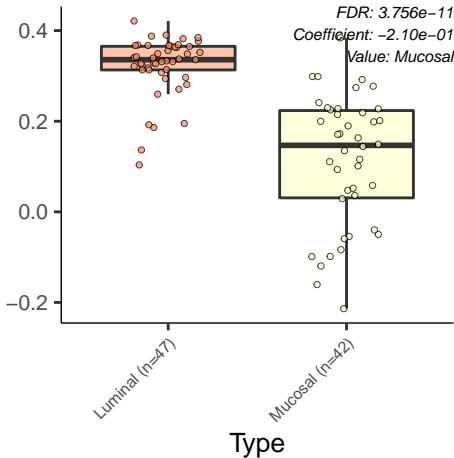
Mucosal (n=42)

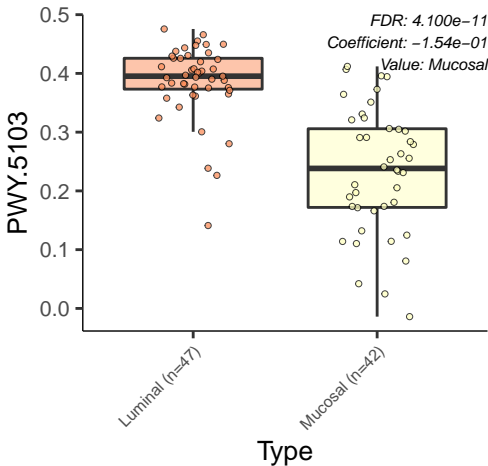
Type





PYRIDNUCSYN.PWY





ILEUSYN.PWY

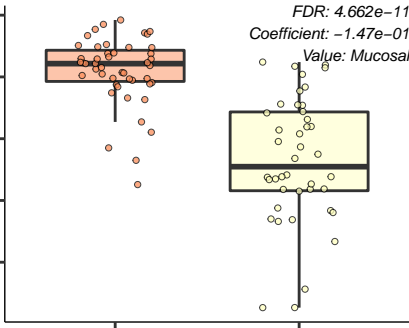
0.5
0.4
0.3
0.2
0.1

Luminal (n=47)

Mucosal (n=42)

Type

FDR: 4.662e-11
Coefficient: -1.47e-01
Value: Mucosal



VALSYN.PWY

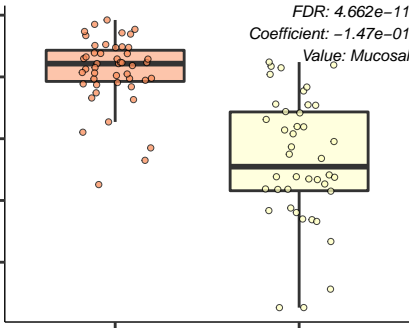
0.5
0.4
0.3
0.2
0.1

Luminal (n=47)

Mucosal (n=42)

Type

FDR: 4.662e-11
Coefficient: -1.47e-01
Value: Mucosal



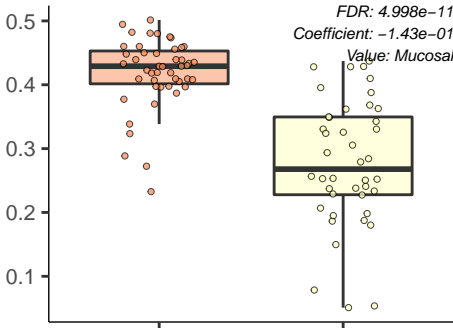
PWY.5101

Luminal (n=47)

Mucosal (n=42)

Type

FDR: $4.998e-11$
Coefficient: $-1.43e-01$
Value: Mucosal



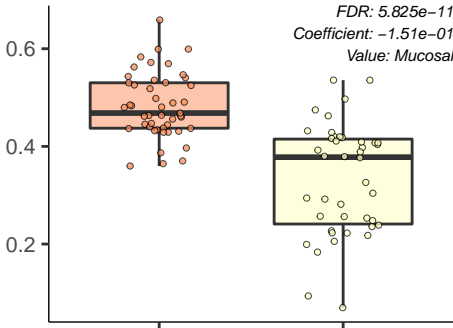
PWY.621

Luminal (n=47)

Mucosal (n=42)

Type

FDR: $5.825e-11$
Coefficient: $-1.51e-01$
Value: Mucosal



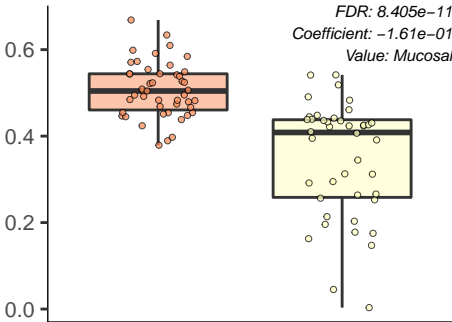
PWY.5100

Luminal (n=47)

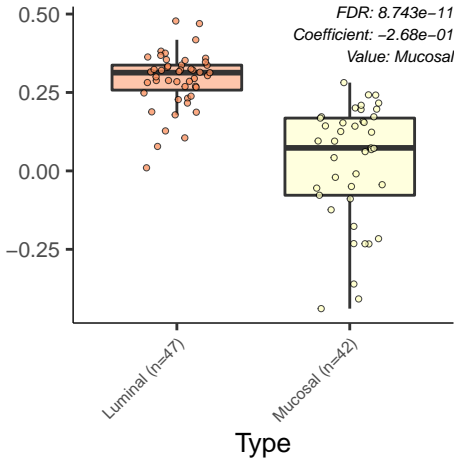
Mucosal (n=42)

Type

FDR: 8.405e-11
Coefficient: -1.61e-01
Value: Mucosal



PWY.6700



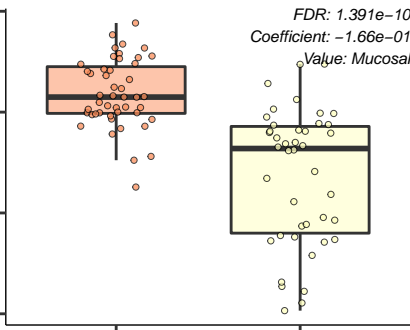
PWY0.1296

Luminal (n=47)

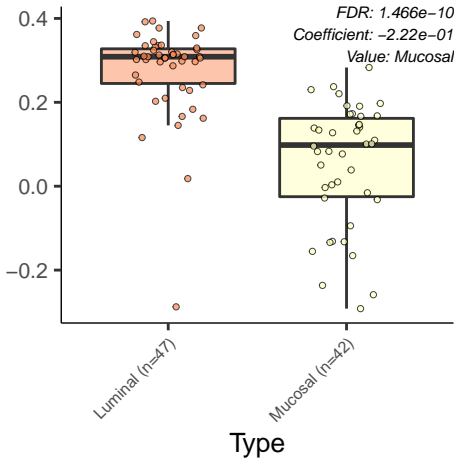
Mucosal (n=42)

Type

FDR: 1.391e-10
Coefficient: -1.66e-01
Value: Mucosal



PWY.6147



GLCMANNNAUT.PWY

FDR: 1.533e-10

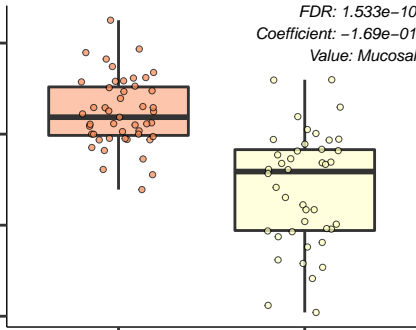
Coefficient: -1.69e-01

Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



PRPP.PWY

FDR: 1.778e-10

Coefficient: -2.50e-01

Value: Mucosal

0.25

0.00

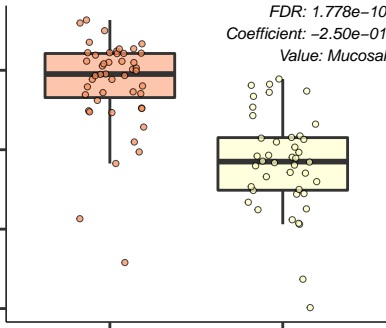
-0.25

-0.50

Luminal (n=47)

Mucosal (n=42)

Type



COMPLETE.ARO.PWY

FDR: 1.795e-10

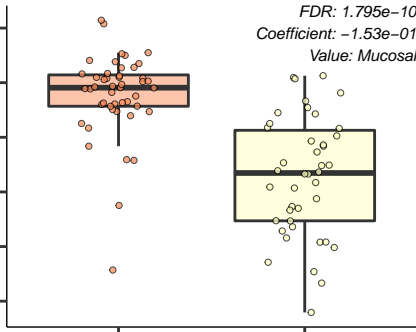
Coefficient: -1.53e-01

Value: Mucosal

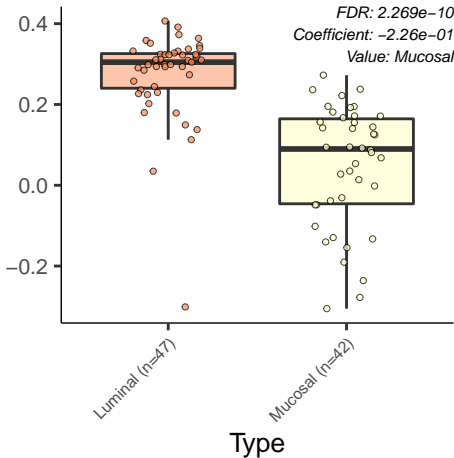
Luminal (n=47)

Mucosal (n=42)

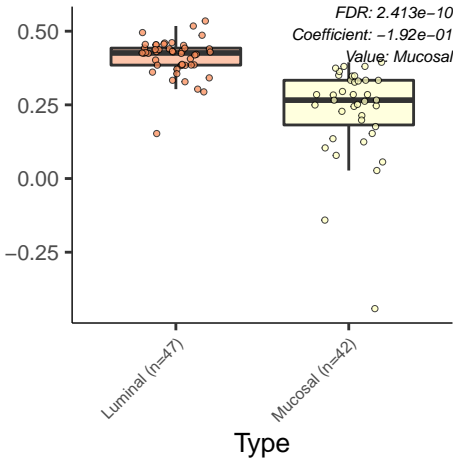
Type



PWY.7539



DTDPRHAMSYN.PWY



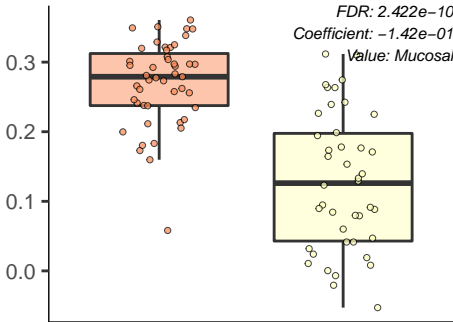
FOLSYN.PWY

Luminal (n=47)

Mucosal (n=42)

Type

FDR: 2.422e-10
Coefficient: -1.42e-01
Value: Mucosal



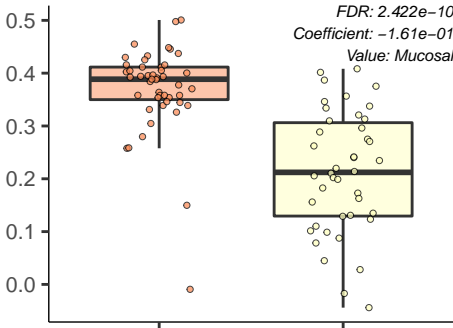
PWY.6163

Luminal (n=47)

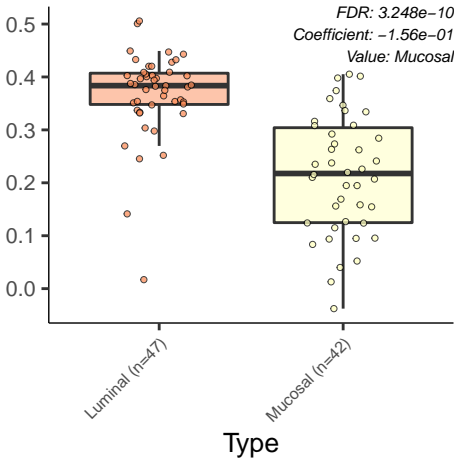
Mucosal (n=42)

Type

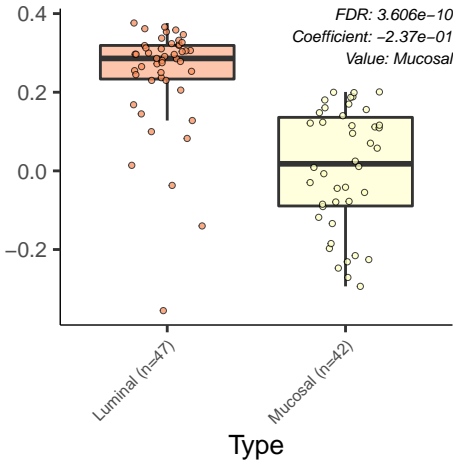
FDR: 2.422e-10
Coefficient: -1.61e-01
Value: Mucosal

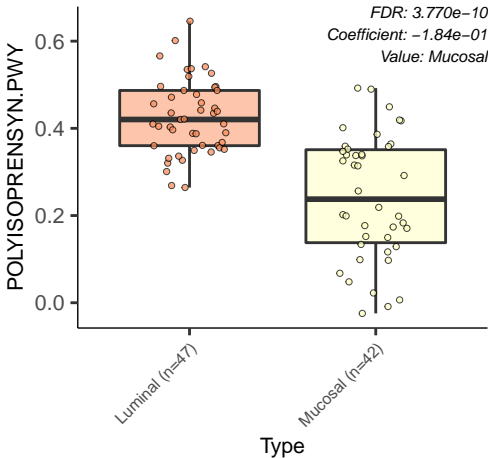


ARO.PWY

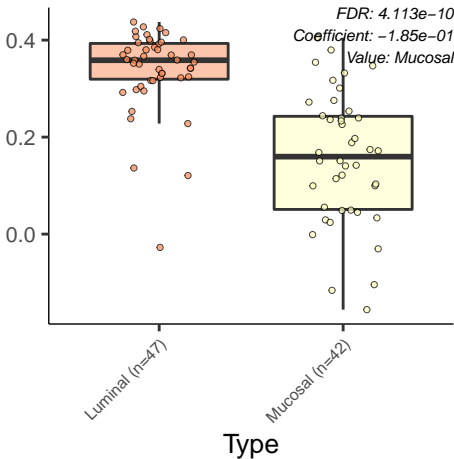


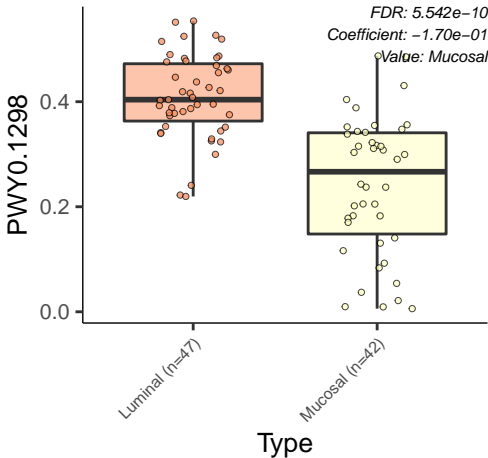
COLANSYN.PWY





HISTSYN.PWY





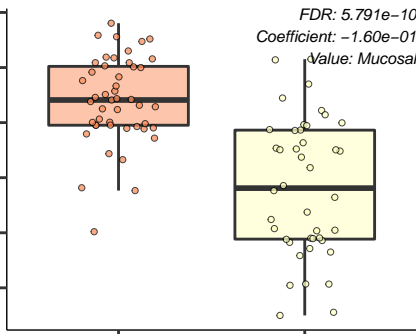
DENOVOPURINE2.PWY

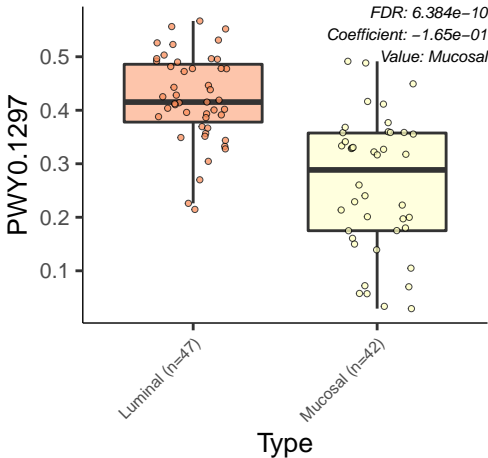
Luminal (n=47)

Mucosal (n=42)

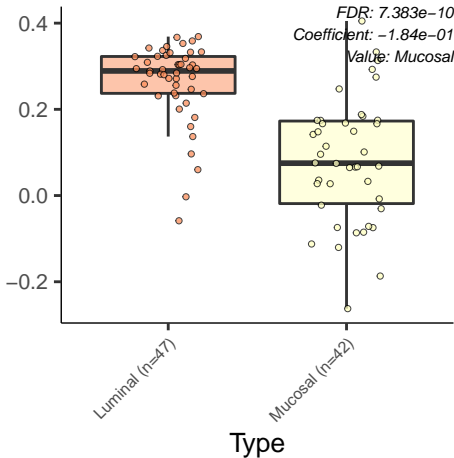
Type

FDR: $5.791e-10$
Coefficient: $-1.60e-01$
Value: Mucosal

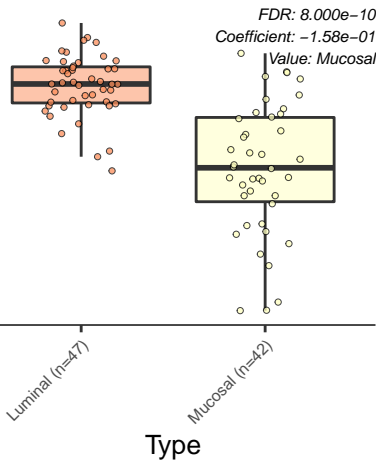




PWY.6897



ARGSYNBSUB.PWY



UDPNAGSYN.PWY

FDR: 1.037e-09

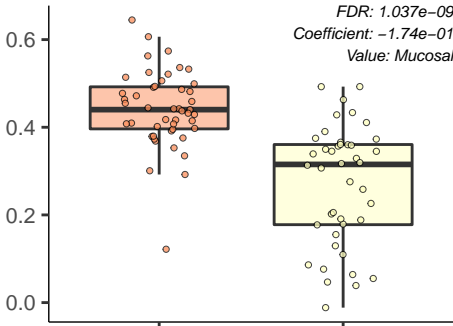
Coefficient: -1.74e-01

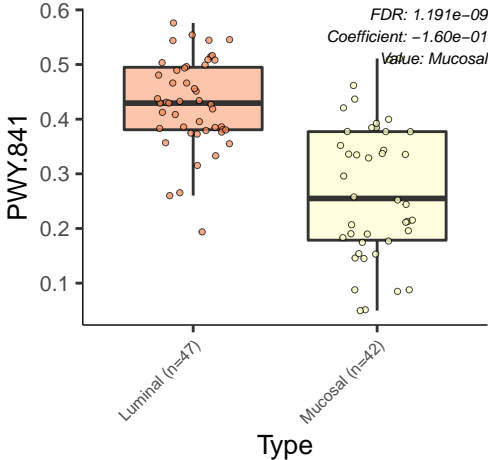
Value: Mucosal

Luminal (n=47)

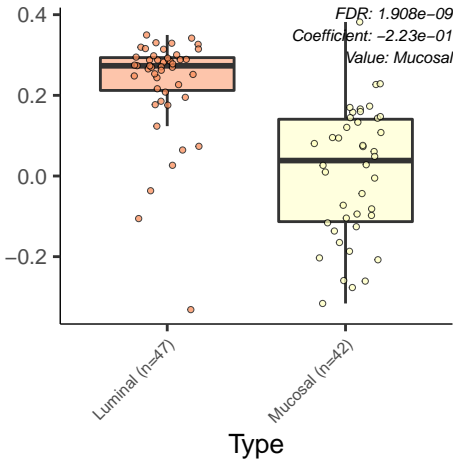
Mucosal (n=42)

Type

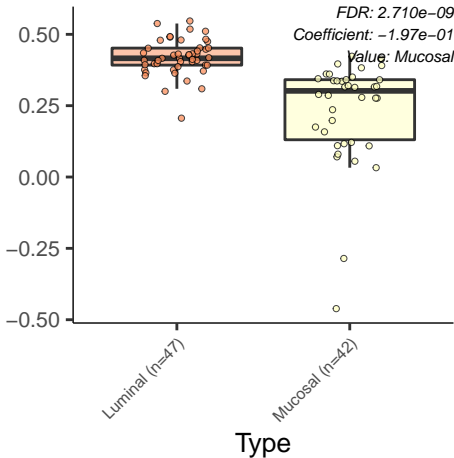




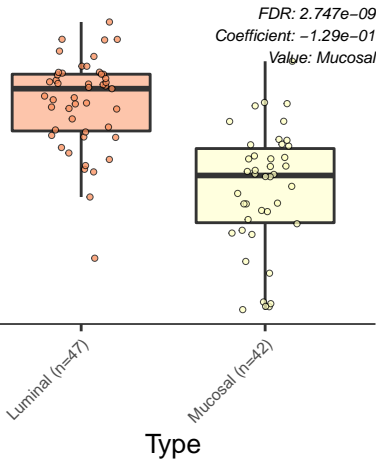
PANTO.PWY

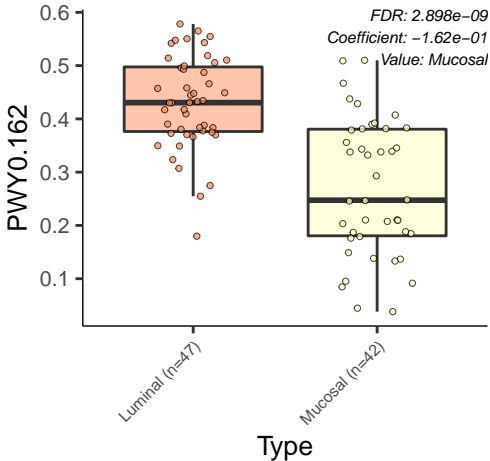


OANTIGEN.PWY



PENTOSE.P.PWY





PWY.7187

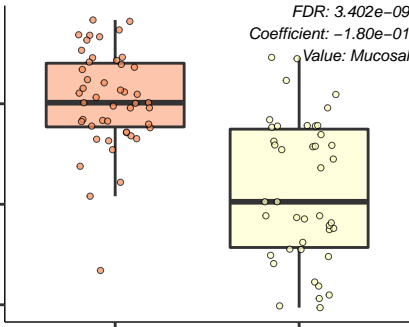
Luminal (n=47)

Mucosal (n=42)

Type

FDR: $3.402e-09$
Coefficient: $-1.80e-01$
Value: Mucosal

0.4
0.2
0.0



PWY.7196

FDR: 4.818e-09

Coefficient: -1.66e-01

Value: Mucosal

0.4

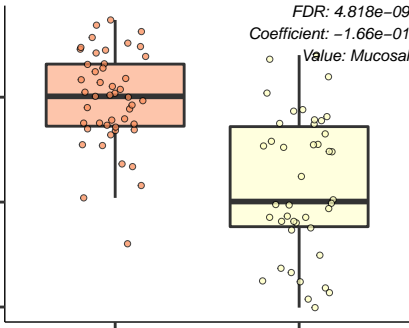
0.2

0.0

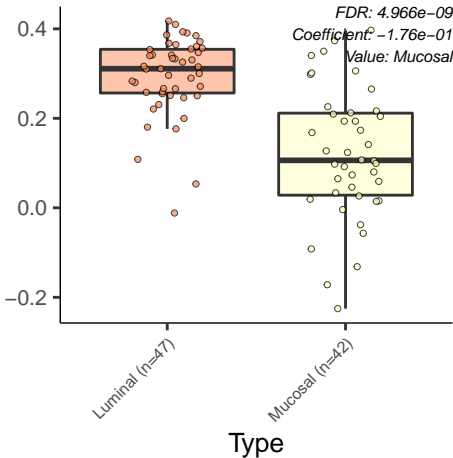
Luminal (n=47)

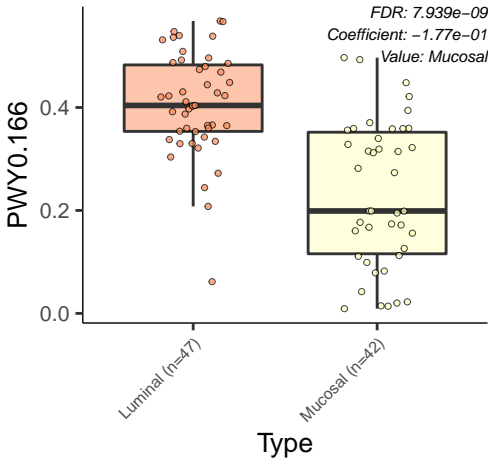
Mucosal (n=42)

Type

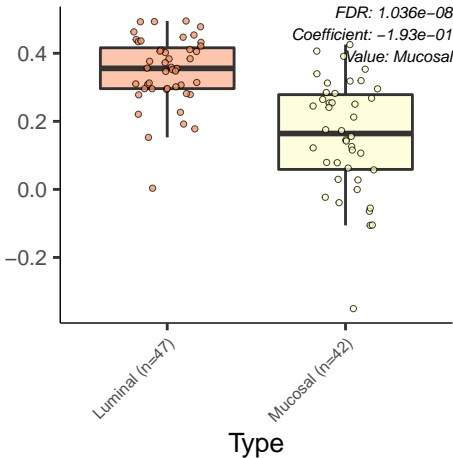


GLUTORN.PWY





PWY.7200



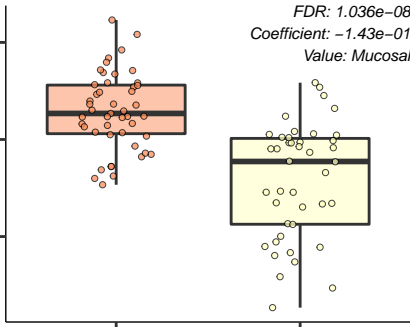
PWY0.1586

Luminal (n=47)

Mucosal (n=42)

Type

FDR: $1.036e-08$
Coefficient: $-1.43e-01$
Value: Mucosal



P441.PWY

FDR: 1.098e-08

Coefficient: -1.34e-01

Value: Mucosal

0.4

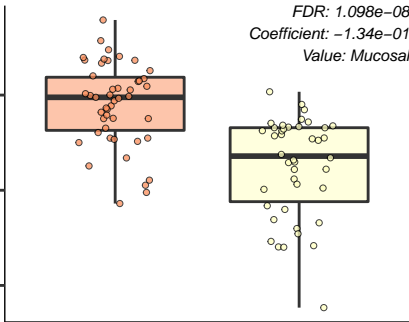
0.2

0.0

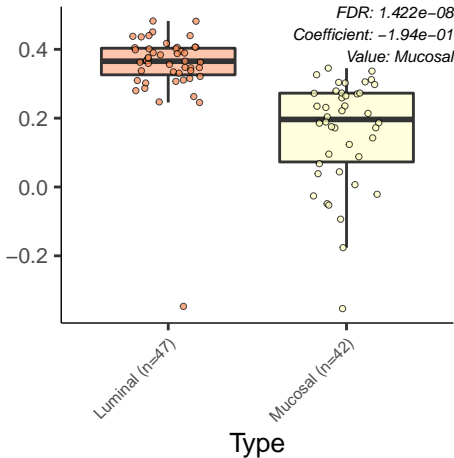
Luminal (n=47)

Mucosal (n=42)

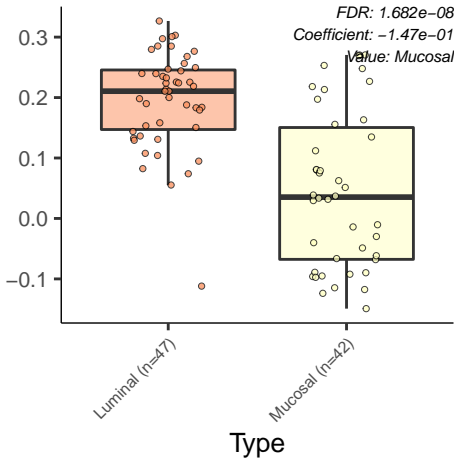
Type



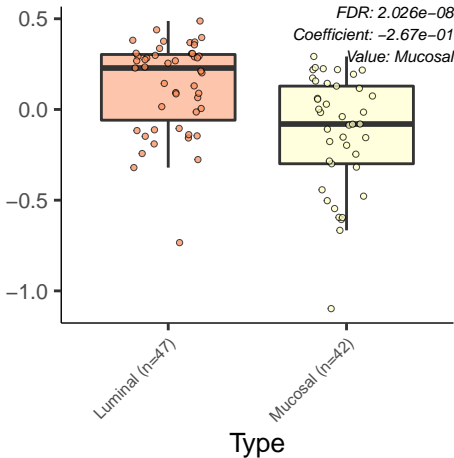
PWY.7199



PWY.6612



PWY.6628



PWY.6630

Luminal (n=47)

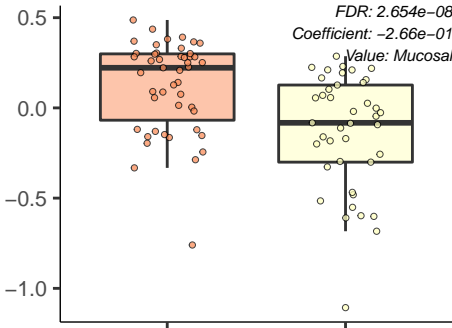
Mucosal (n=42)

Type

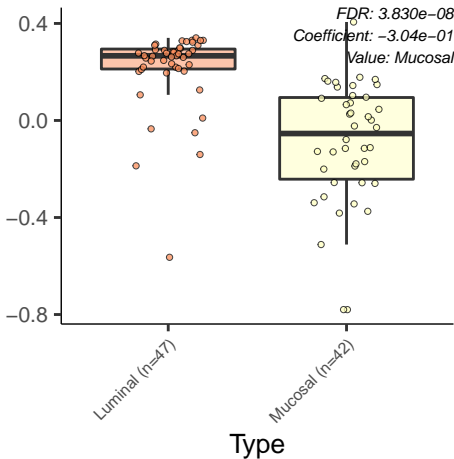
FDR: 2.654e-08

Coefficient: -2.66e-01

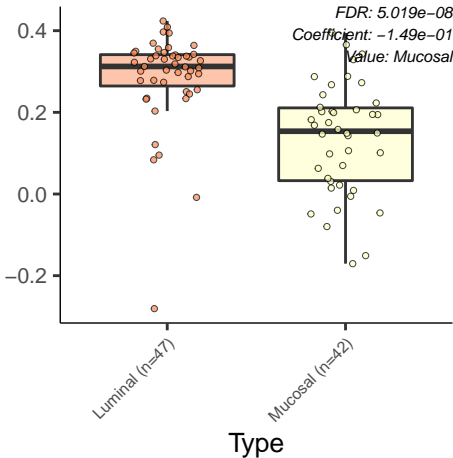
Value: Mucosal

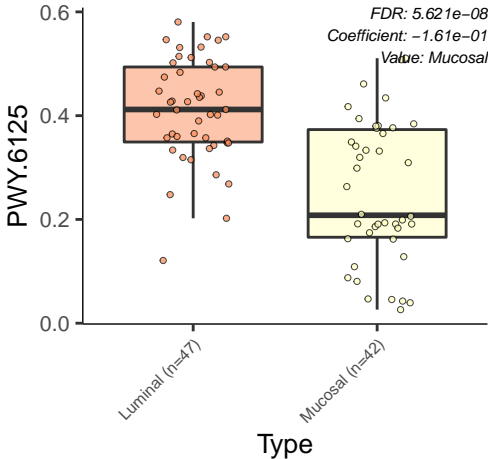


THISYN.PWY

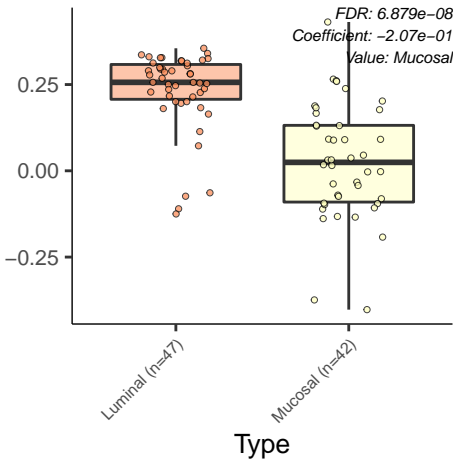


TRPSYN.PWY

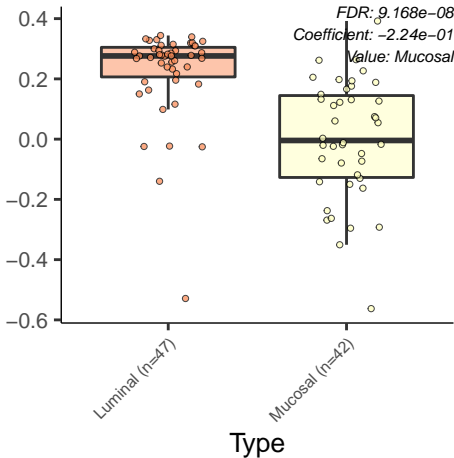




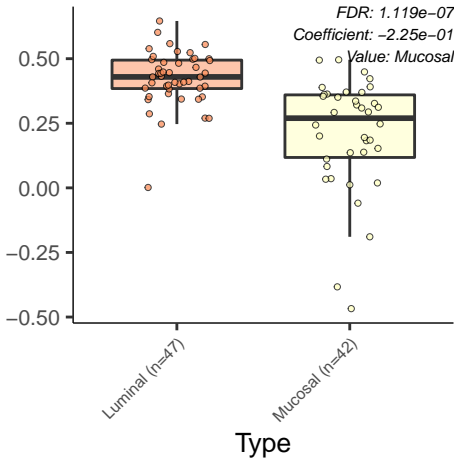
PWY.6969

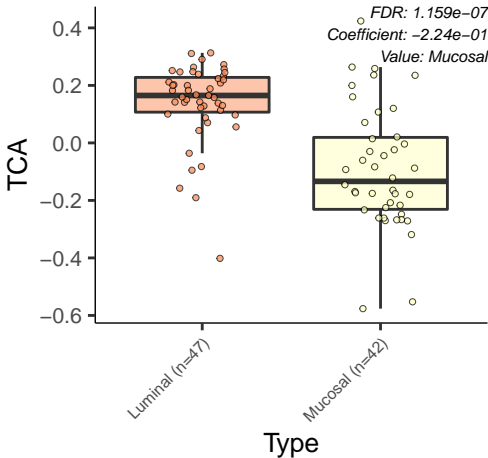


PWY.6892



PWY.2941





P161.PWY

0.6

0.4

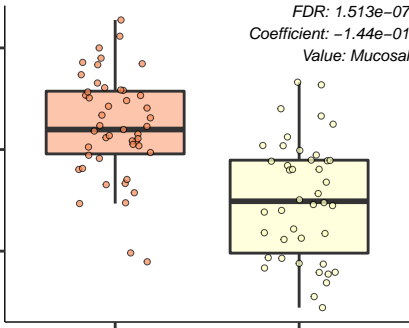
0.2

Luminal (n=47)

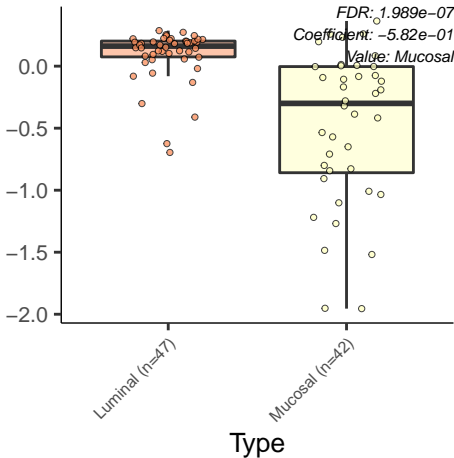
Mucosal (n=42)

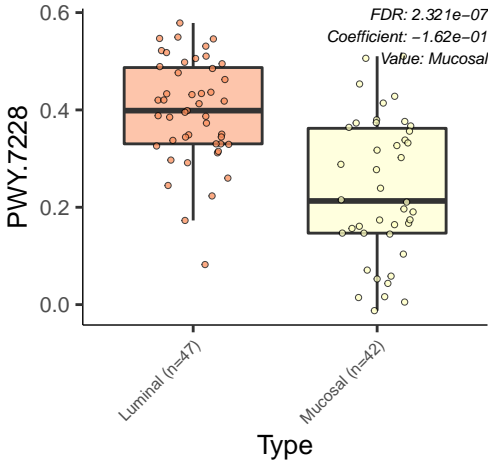
Type

FDR: $1.513\text{e-}07$
Coefficient: $-1.44\text{e-}01$
Value: Mucosal

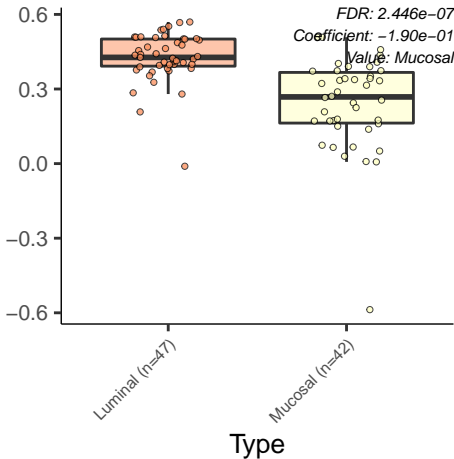


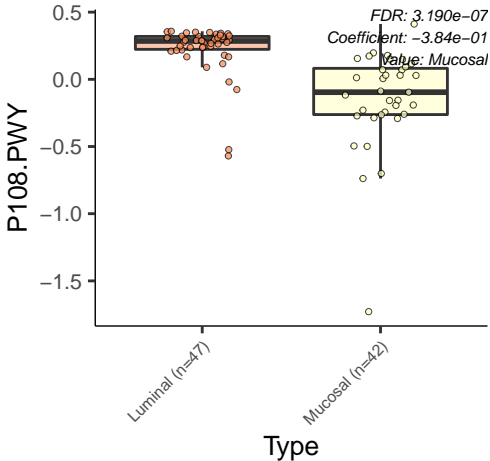
PWY.1269



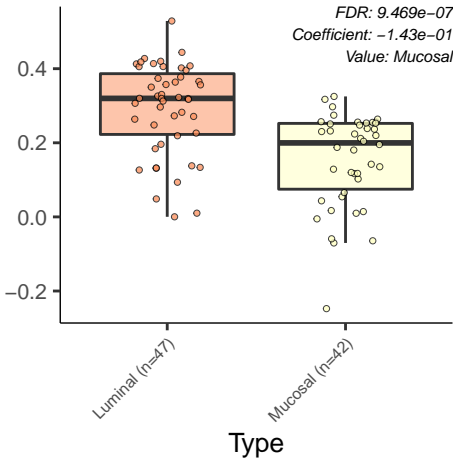


PWY.7234

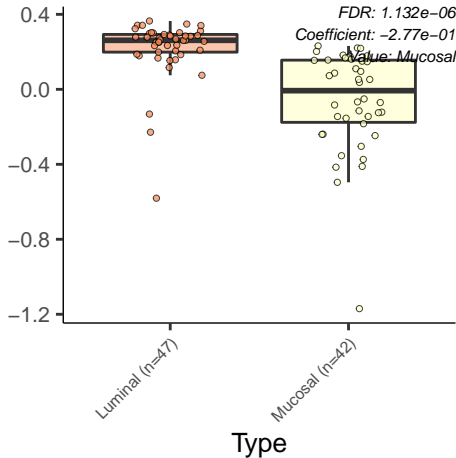


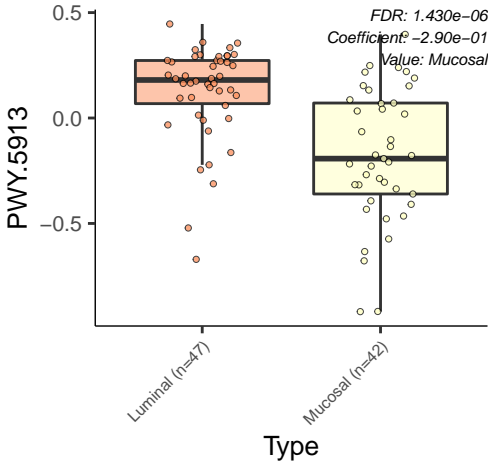


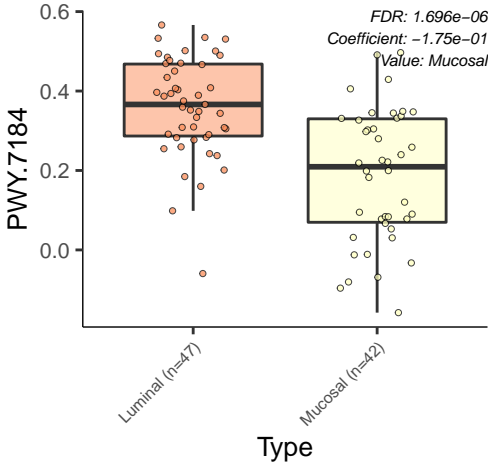
GLYCOLYSIS.E.D



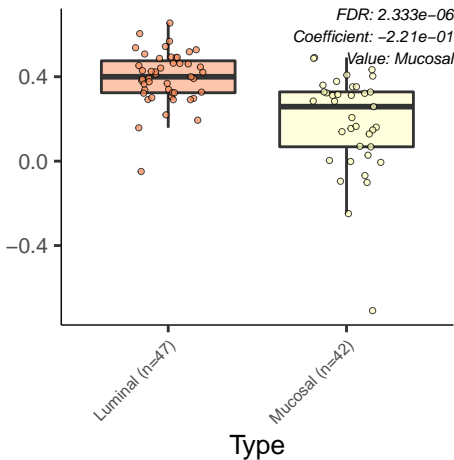
PWY.6507







P122.PWY



PWY.6901

FDR: 2.453e-06

Coefficient: -3.33e-01

Value: Mucosal

0.0

-0.5

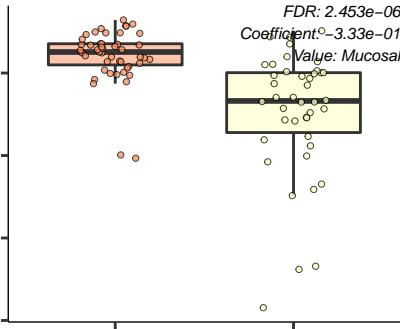
-1.0

-1.5

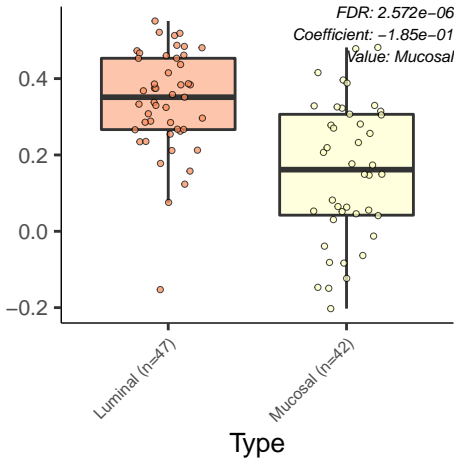
Luminal (n=47)

Mucosal (n=42)

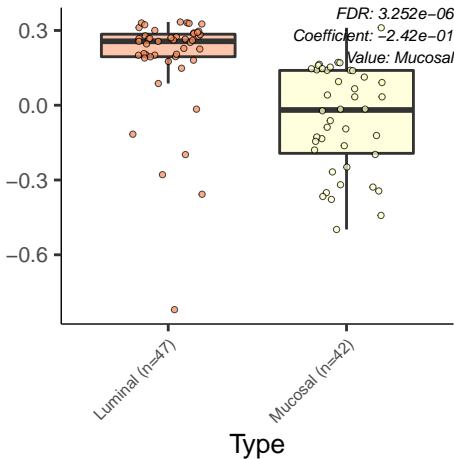
Type



PWY.7197



PWY.7323



PWY.5154

FDR: 5.661e-06

Coefficient: -3.12e-01

Value: Mucosal

0.0

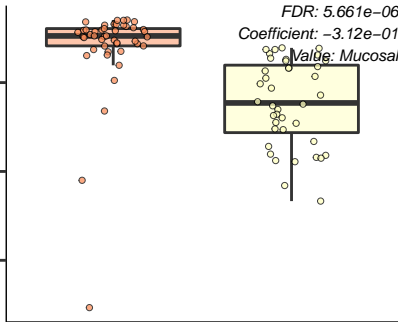
-0.5

-1.0

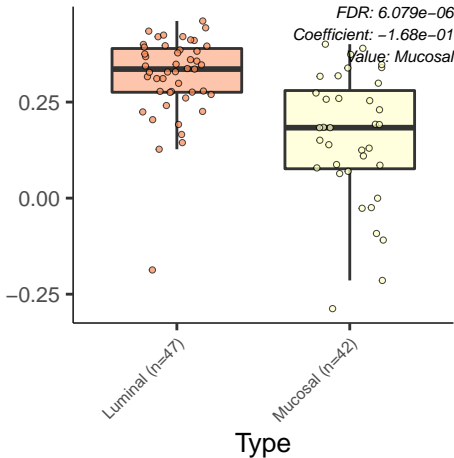
Luminal (n=47)

Mucosal (n=42)

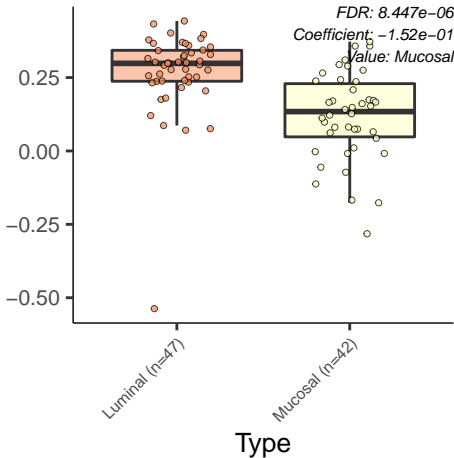
Type



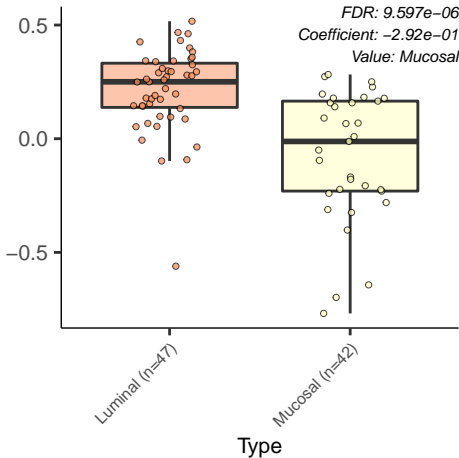
PWY.5505



PYRIDNUCSAL.PWY



TEICHOICACID.PWY

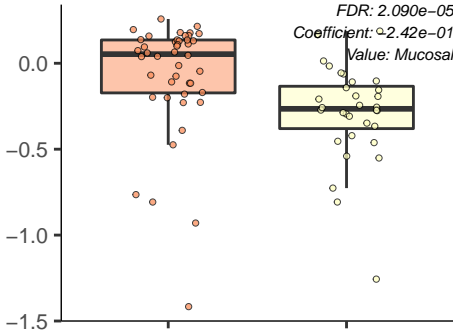


P23.PWY

FDR: 2.090e-05

Coefficient: -2.42e-01

Value: Mucosal



Luminal (n=47)

Mucosal (n=42)

Type

PWY.6471

FDR: 2.177e-05

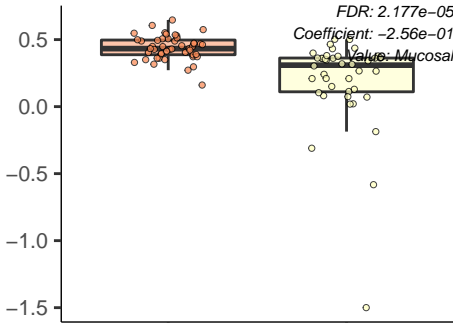
Coefficient: -2.56e-01

Value: Mucosal

Luminal (n=47)

Mucosal (n=42)

Type



PWY.6703

0.0

-0.5

-1.0

Luminal (n=47)

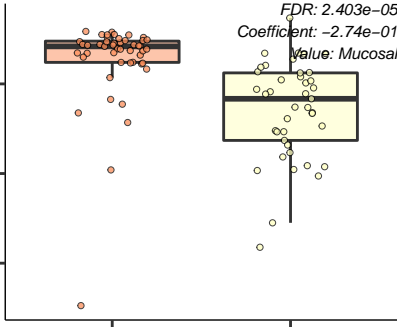
Mucosal (n=42)

Type

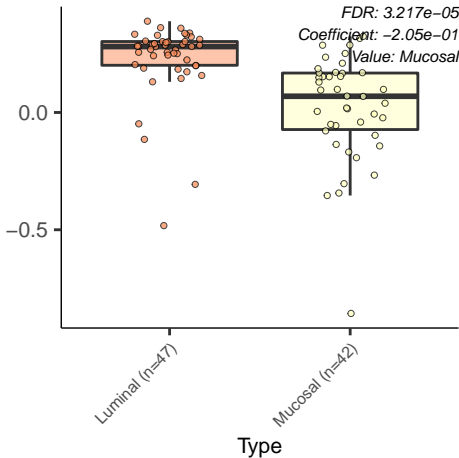
FDR: 2.403e-05

Coefficient: -2.74e-01

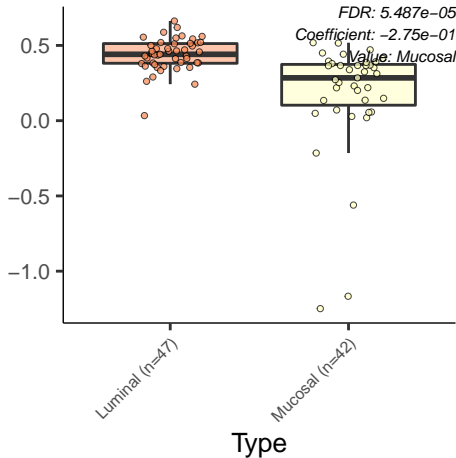
Value: Mucosal



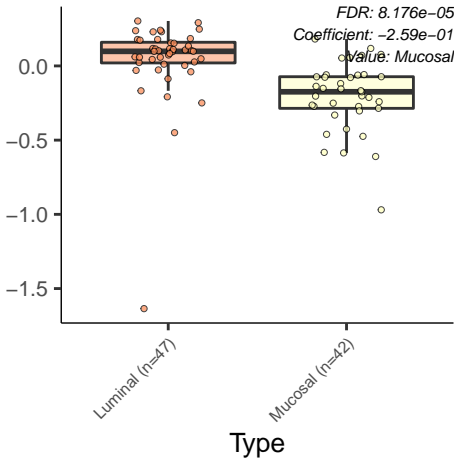
GALACTUROCAT.PWY



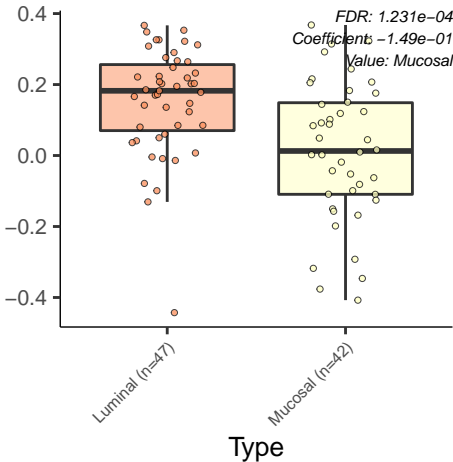
P124.PWY



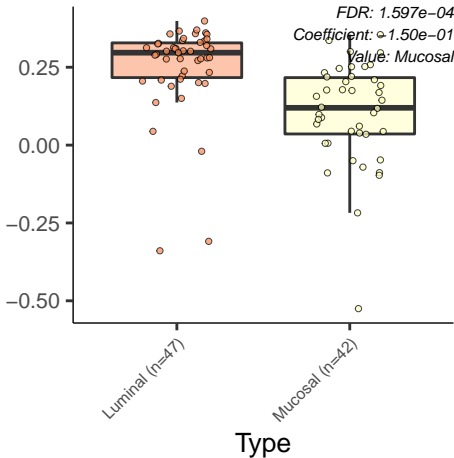
PWY.7003



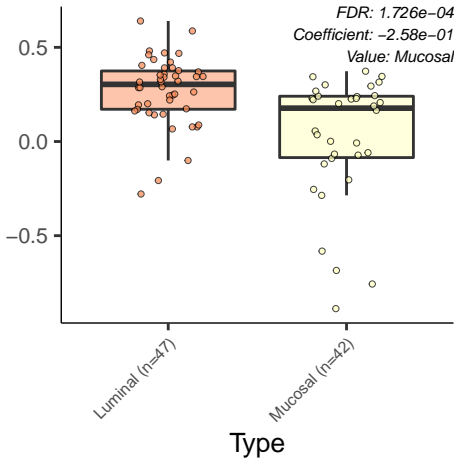
COBALSYN.PWY



PWY.7242



PWY.922



NAGLIPASYN.PWY

FDR: $1.824e-04$

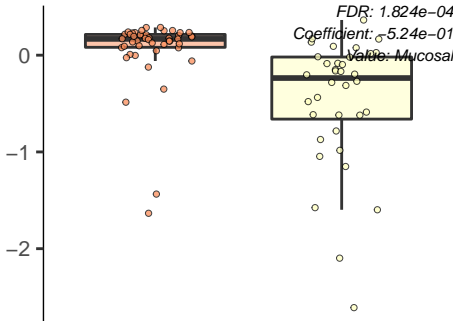
Coefficient: $-5.24e-01$

Value: Mucosal

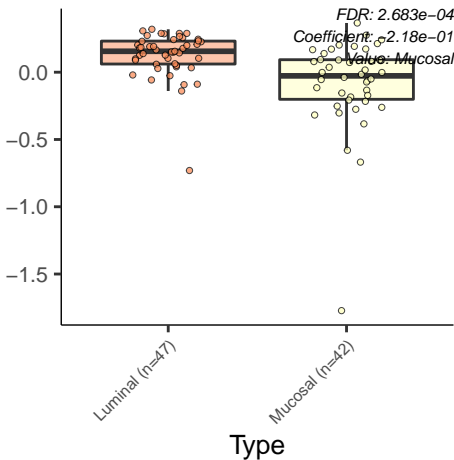
Luminal (n=47)

Mucosal (n=42)

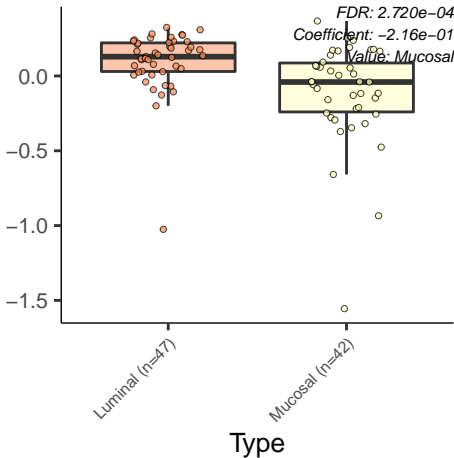
Type



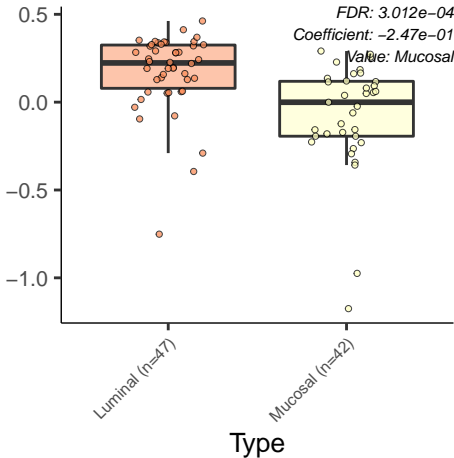
PWY.5188



PWY.5189



PWY.1861



PWY.7211

Luminal (n=47)

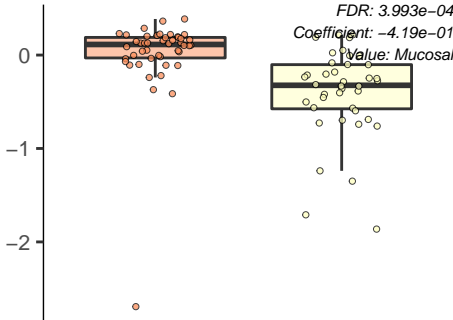
Mucosal (n=42)

Type

FDR: $3.993e-04$

Coefficient: $-4.19e-01$

Value: Mucosal



PWY.6467

Luminal (n=47)

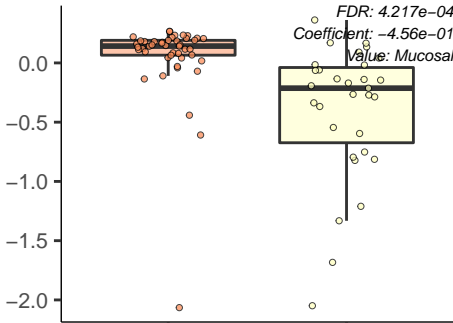
Mucosal (n=42)

Type

FDR: $4.217e-04$

Coefficient: $-4.56e-01$

Value: Mucosal



PWY.6269

Luminal (n=47)

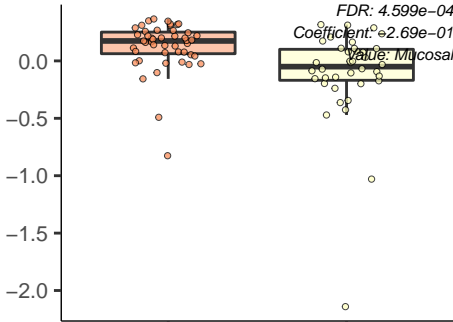
Mucosal (n=42)

Type

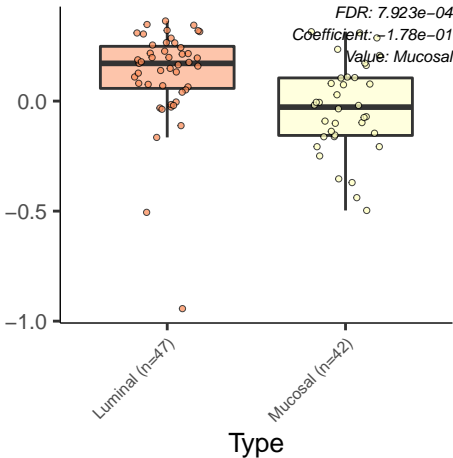
FDR: 4.599e-04

Coefficient: 2.69e-01

Value: Mucosal



PWY.5509



LACTOSECAT.PWY

FDR: 1.441e-03

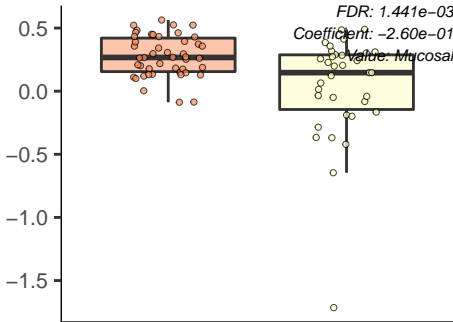
Coefficient: -2.60e-01

Value: Mucosal

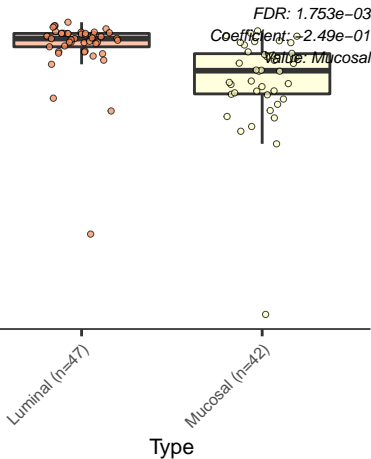
Luminal (n=47)

Mucosal (n=42)

Type



GALACT.GLUCUROCAT.PWY



PWY.5910

FDR: 2.125e-03

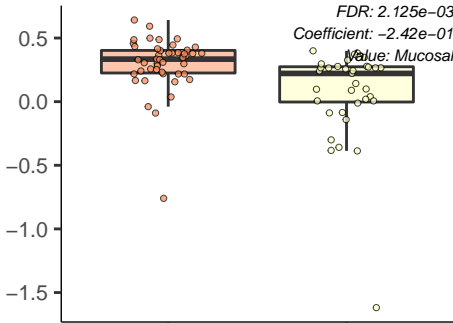
Coefficient: -2.42e-01

Value: Mucosal

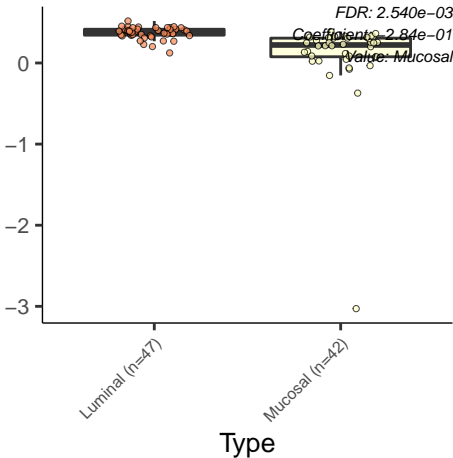
Luminal (n=47)

Mucosal (n=42)

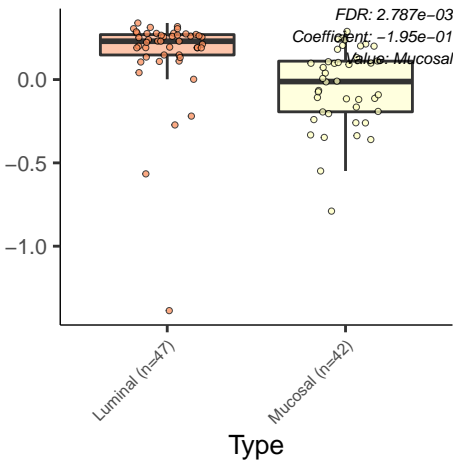
Type



PWY.7392



GLUCUROCAT.PWY



PWY.7377

FDR: 3.371e-03

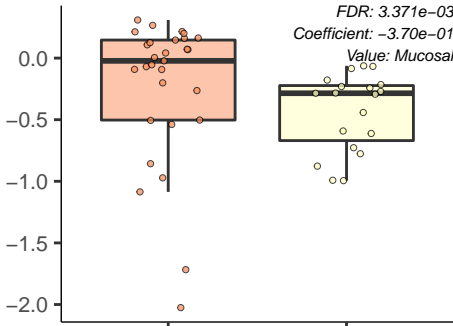
Coefficient: -3.70e-01

Value: Mucosal

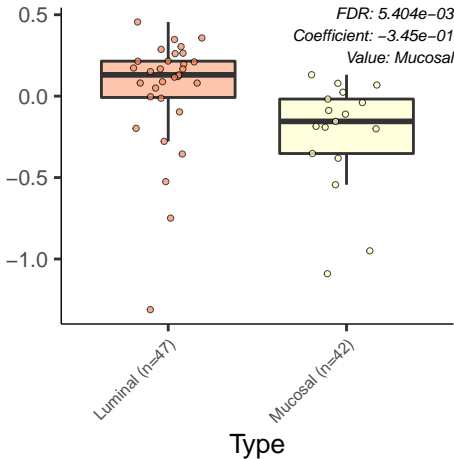
Luminal (n=47)

Mucosal (n=42)

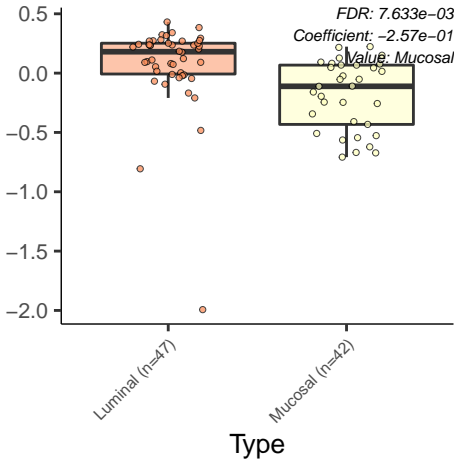
Type



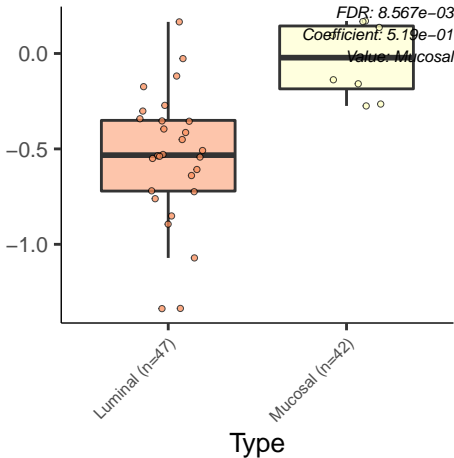
PWY.4984



RUMP.PWY



PYRIDOXSYN.PWY



PWY0.1261

0.0
-0.5
-1.0
-1.5

Luminal (n=47)

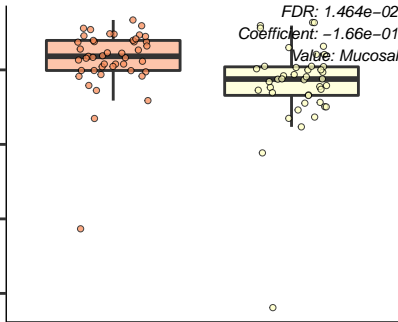
Mucosal (n=42)

Type

FDR: 1.464e-02

Coefficient: -1.66e-01

Value: Mucosal



GOLPDL CAT.PWY

FDR: 1.477e-02

Coefficient: -8.35e-01

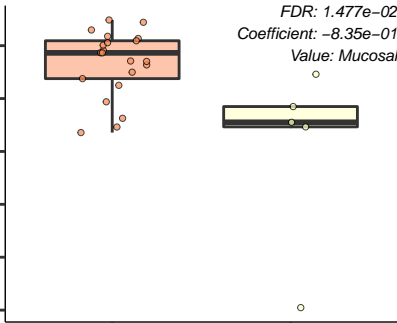
Value: Mucosal

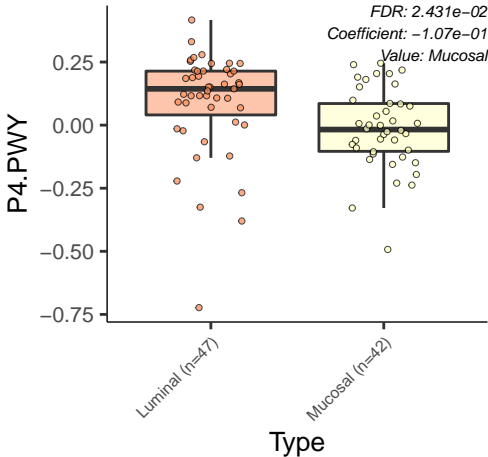
0.0
-0.5
-1.0
-1.5
-2.0
-2.5

Luminal (n=47)

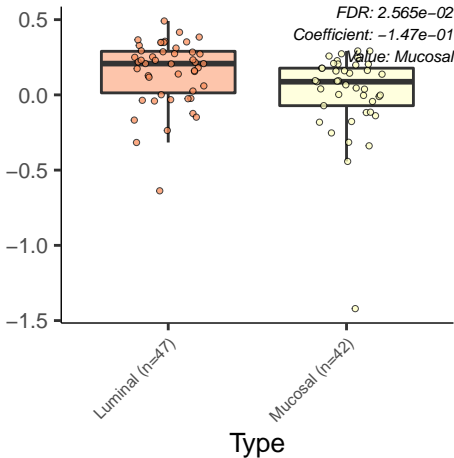
Mucosal (n=42)

Type

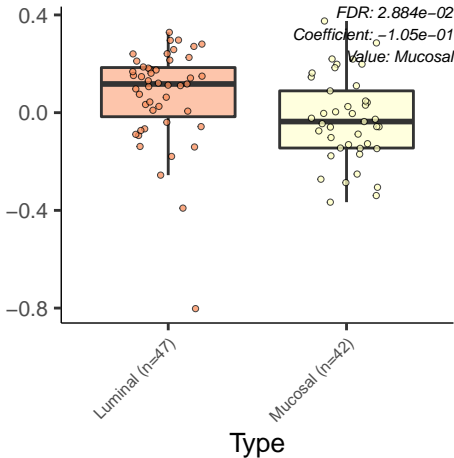




P461.PWY

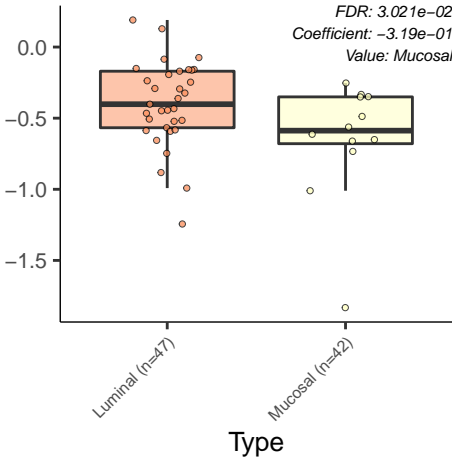


HEMESYN2.PWY



ARGORNPST.PWY

FDR: 3.021e-02
Coefficient: -3.19e-01
Value: Mucosal



SO4ASSIM.PWY

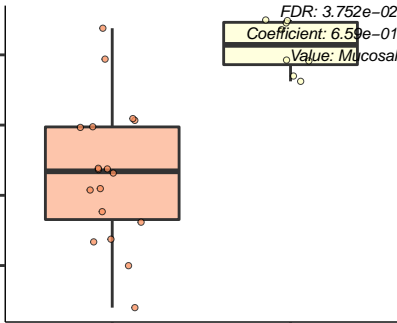
0.0
-0.5
-1.0
-1.5

Luminal (n=47)

Mucosal (n=42)

Type

FDR: $3.752e-02$
Coefficient: $6.59e-01$
Value: Mucosal



PWY.7328

Luminal (n=47)

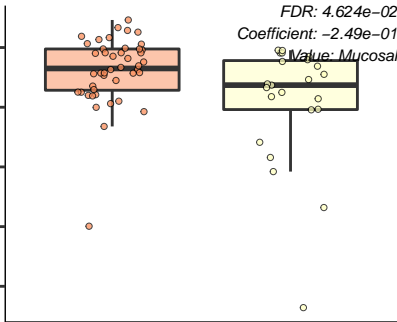
Mucosal (n=42)

Type

FDR: 4.624×10^{-2}

Coefficient: -2.49×10^{-1}

Value: Mucosal



PWY.6588

Luminal (n=47)

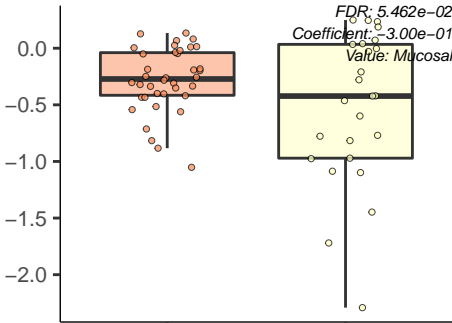
Mucosal (n=42)

Type

FDR: $5.462e-02$

Coefficient: $-3.00e-01$

Value: Mucosal



PWY.5347

FDR: $6.085e-02$

Coefficient: $-1.72e-01$

Value: Mucosal

0.0

-0.5

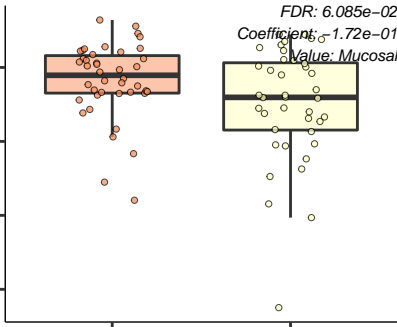
-1.0

-1.5

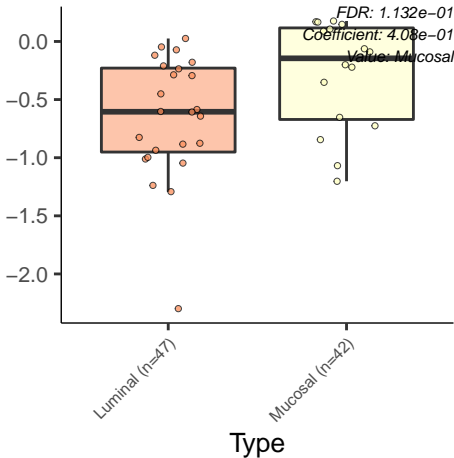
Luminal (n=47)

Mucosal (n=42)

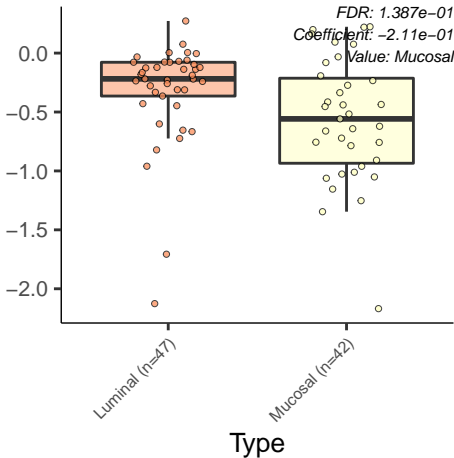
Type



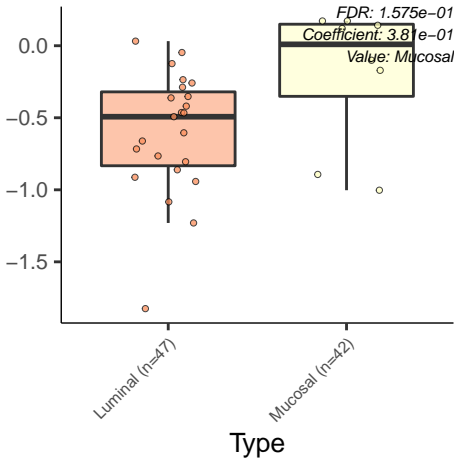
RHAMCAT.PWY



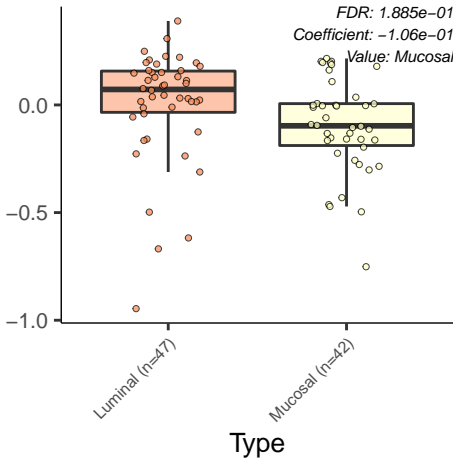
SULFATE.CYS.PWY



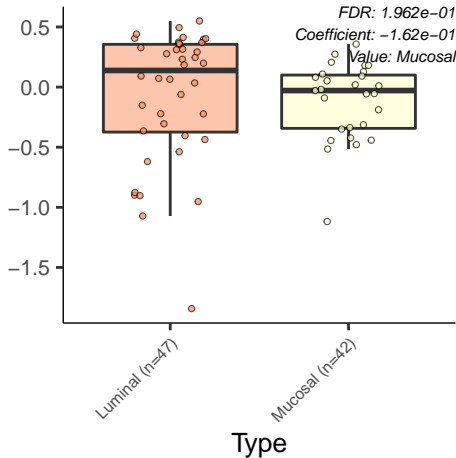
PWY0.1479



PWY0.781



PWY.7013



FUC.RHAMCAT.PWY

