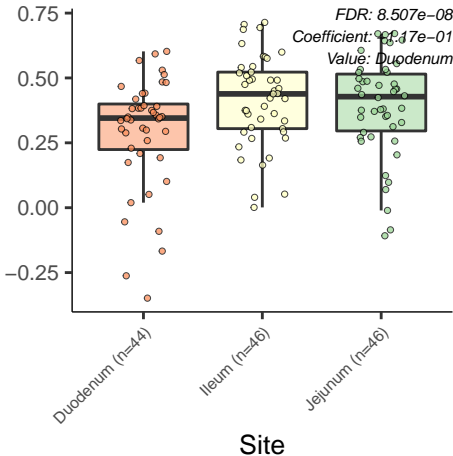
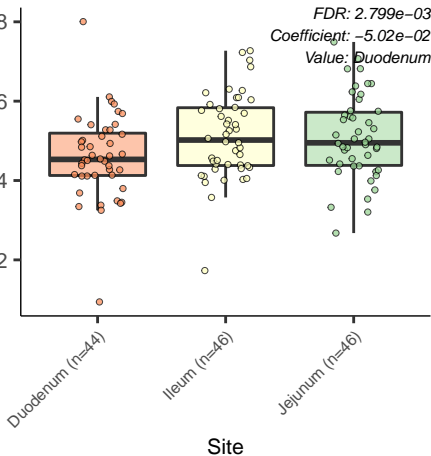


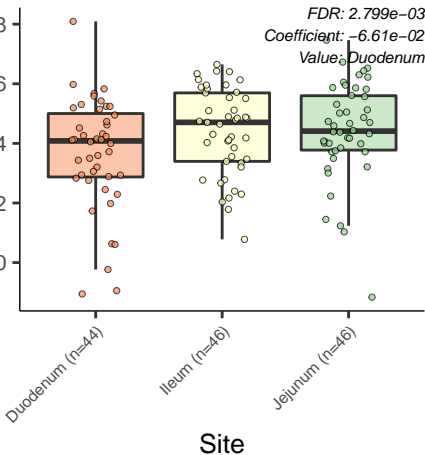
LACTOSECAT.PWY



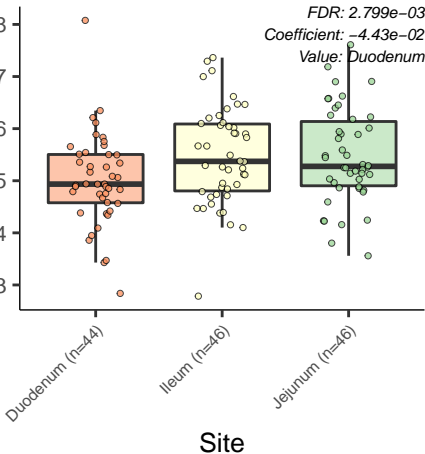
GLCMANNNAUT.PWY



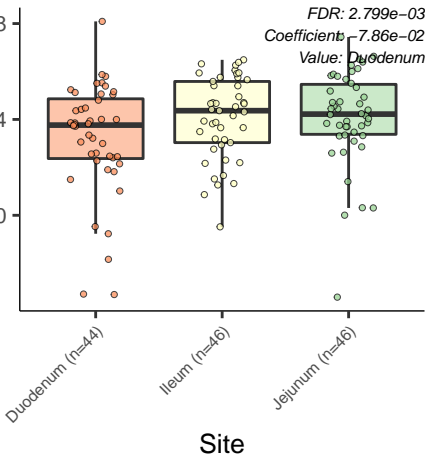
PWY.5910



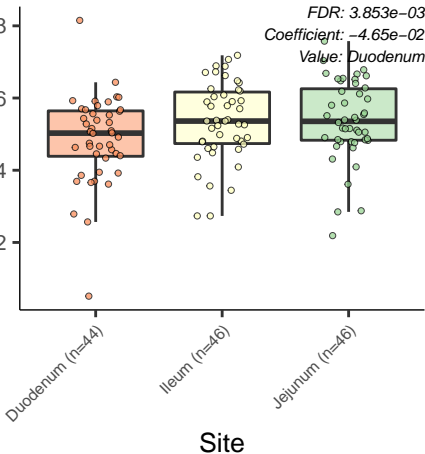
PWY.621

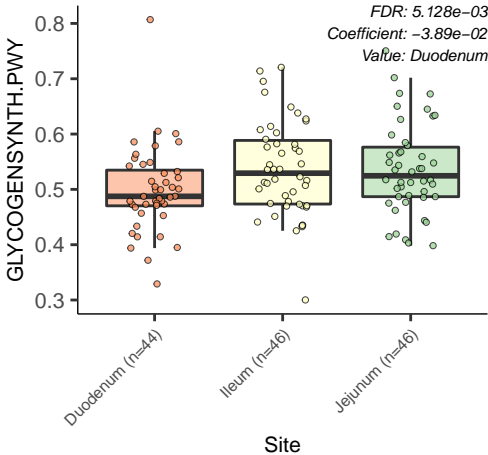


PWY.922

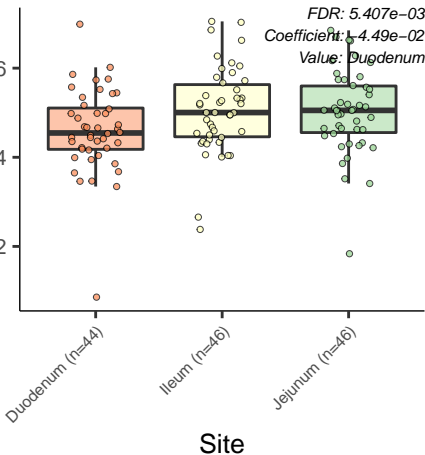


PWY0.1586



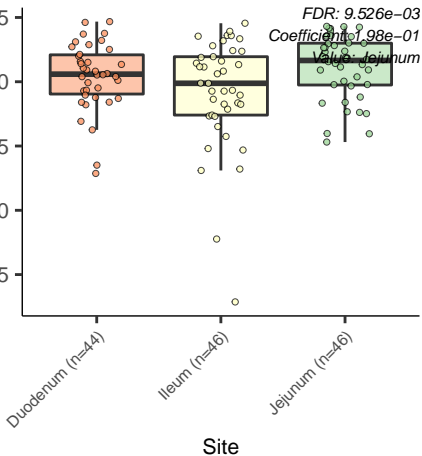


PWY0.1296

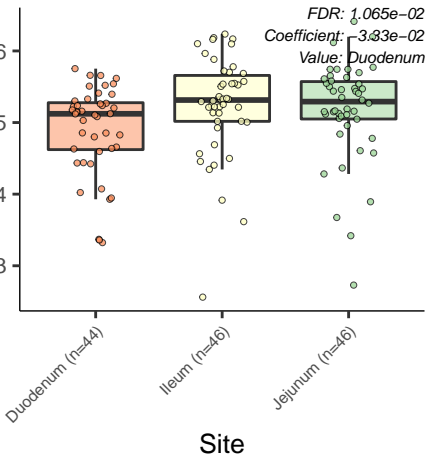




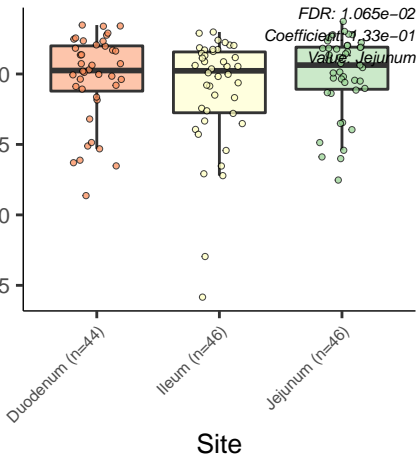
HEXITOLDEGSUPER.PWY



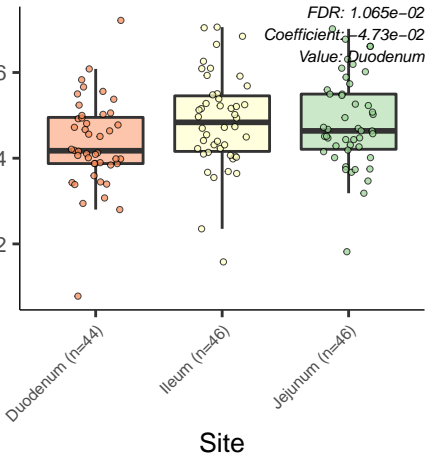
NONOXIPENT.PWY



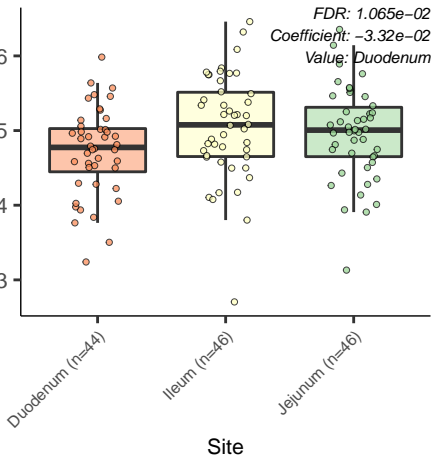
P23.PWY



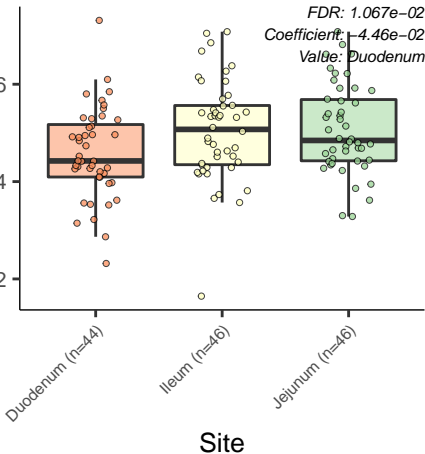
PWY0.1298



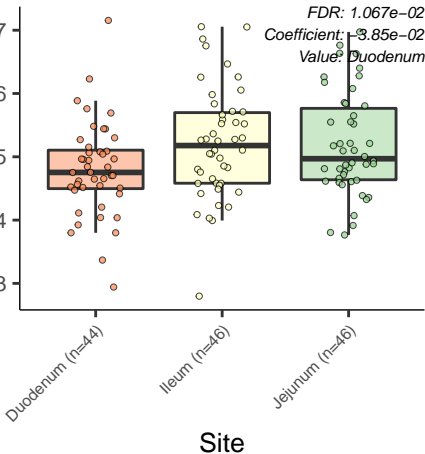
TRNA.CHARGING.PWY



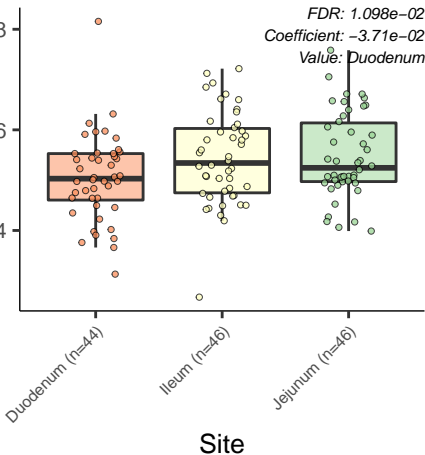
PWY0.1297



THRESYN.PWY

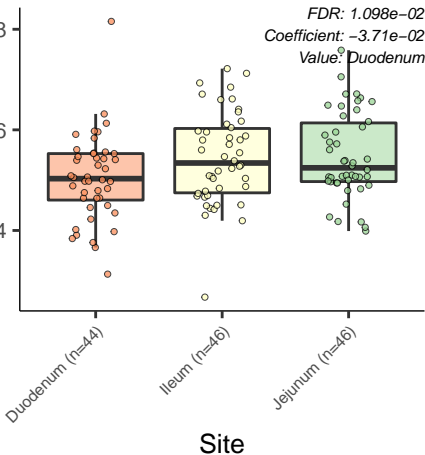


PWY4FS.7

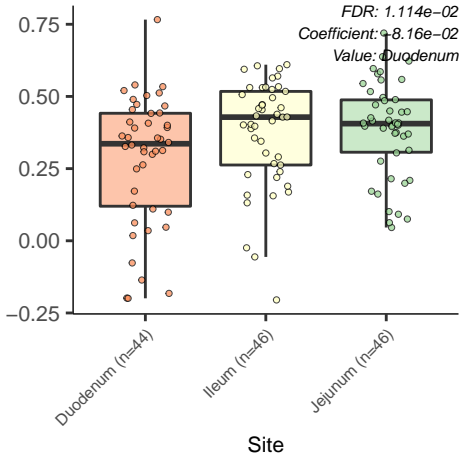




PWY4FS.8



TEICHOICACID.PWY



ANAGLYCOLYSIS.PWY

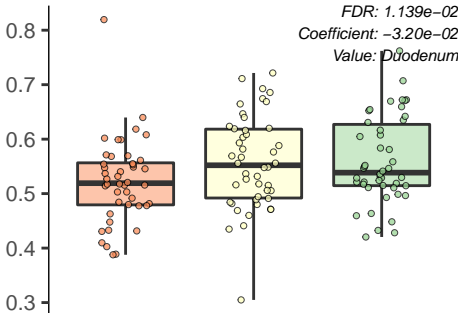
*FDR: 1.139e-02*  
*Coefficient: -3.20e-02*  
*Value: Duodenum*

Duodenum (n=44)

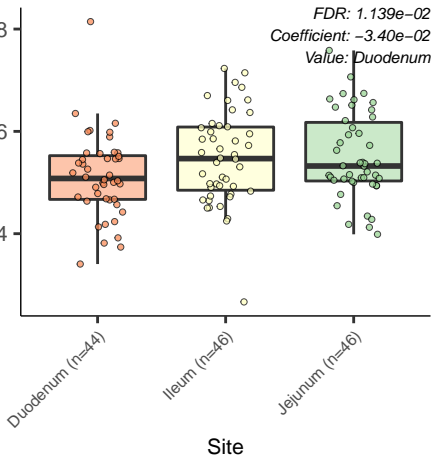
Ileum (n=46)

Jejunum (n=46)

Site

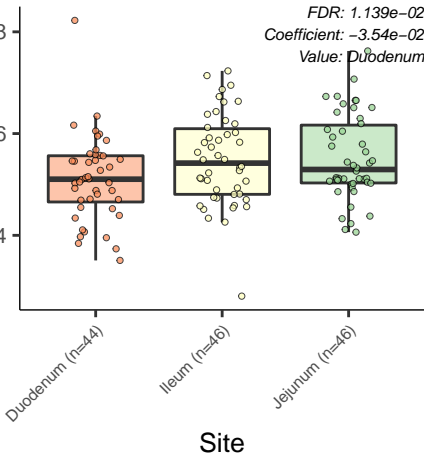


PEPTIDOGLYCANSYN.PWY

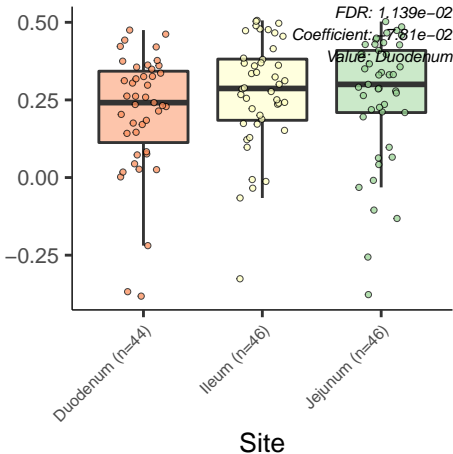


PHOSLIPSYN.PWY

FDR:  $1.139\text{e-}02$   
Coefficient:  $-3.54\text{e-}02$   
Value: Duodenum



PWY.1861



PWY.5097

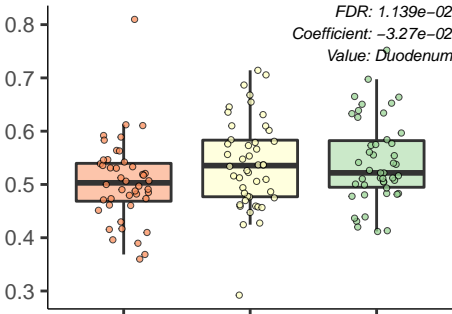
FDR:  $1.139\text{e-}02$   
Coefficient:  $-3.27\text{e-}02$   
Value: Duodenum

Duodenum (n=44)

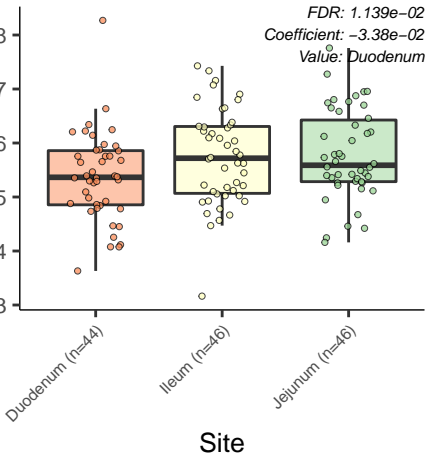
Ileum (n=46)

Jejunum (n=46)

Site



PWY.5100





PWY.5667

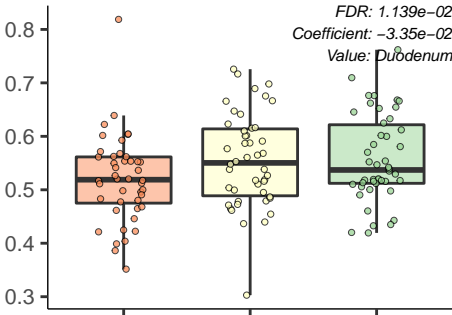
*FDR: 1.139e-02*  
*Coefficient: -3.35e-02*  
*Value: Duodenum*

Duodenum (n=44)

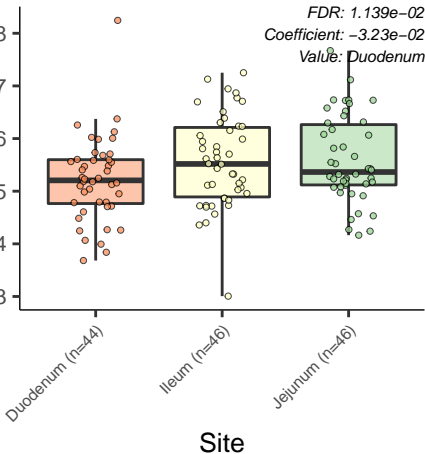
Ileum (n=46)

Jejunum (n=46)

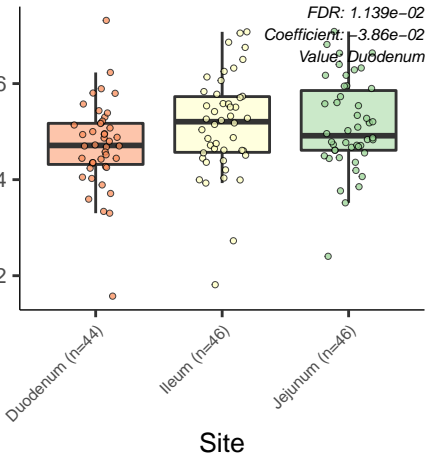
Site



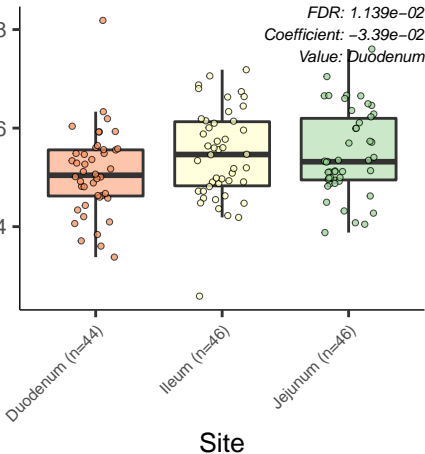
PWY.5686



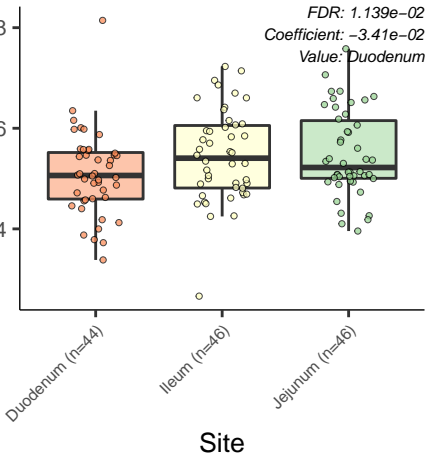
PWY.6151



PWY.6317



PWY.6385



PWY.6386

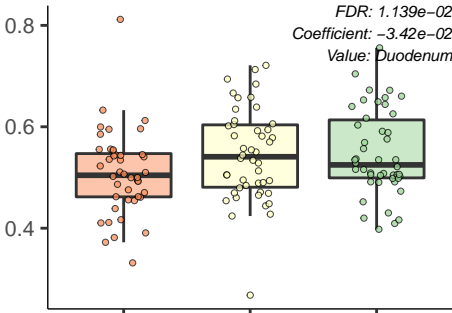
*FDR: 1.139e-02*  
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*Value: Duodenum*

Duodenum (n=44)

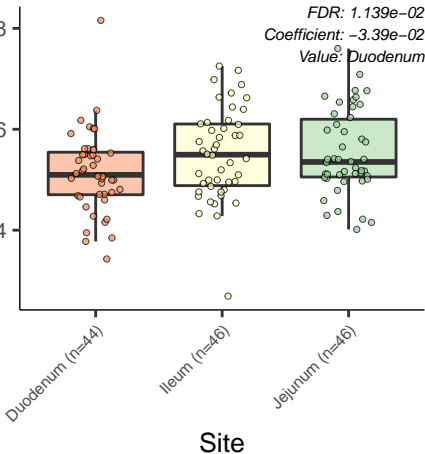
Ileum (n=46)

Jejunum (n=46)

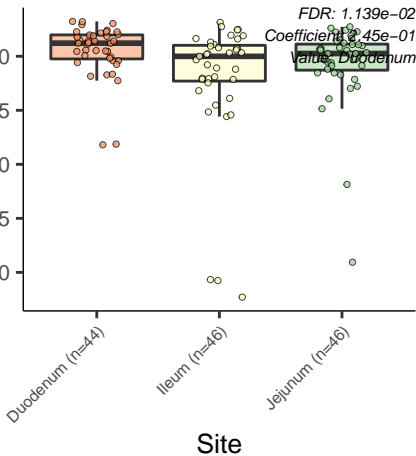
Site



PWY.6387

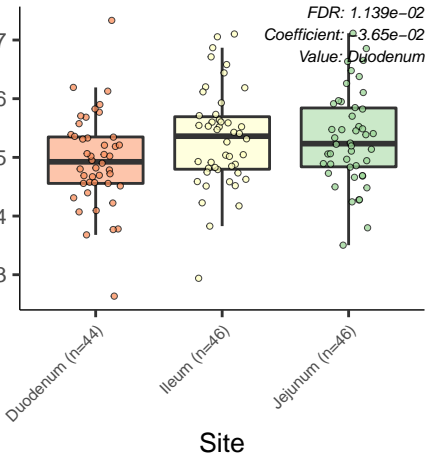


PWY.6467

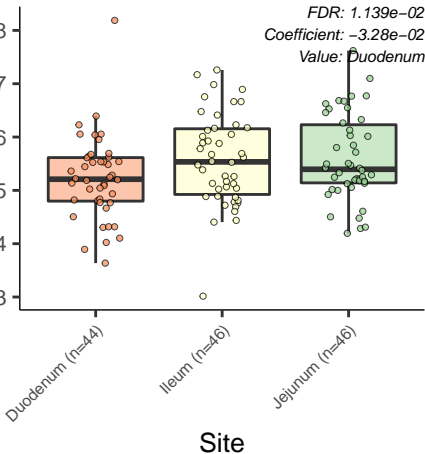




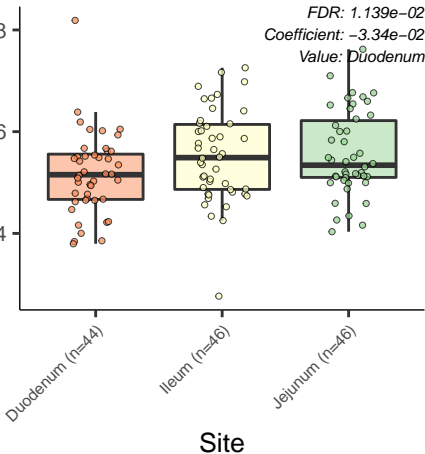
PWY.6609



PWY.7219



PWY.7221



PWY0.1319

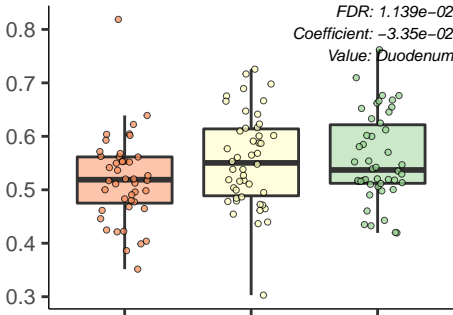
FDR:  $1.139 \times 10^{-2}$   
Coefficient:  $-3.35 \times 10^{-2}$   
Value: Duodenum

Duodenum (n=44)

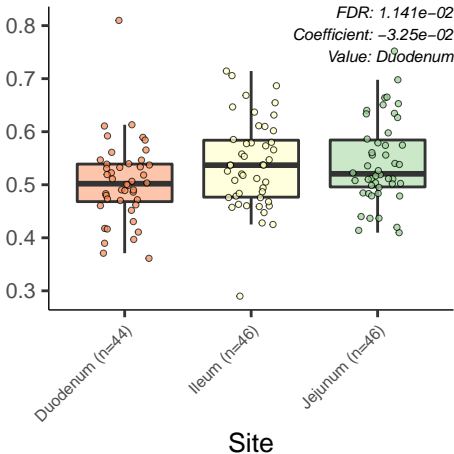
Ileum (n=46)

Jejunum (n=46)

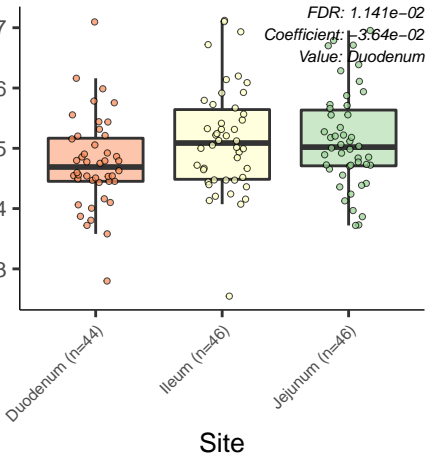
Site



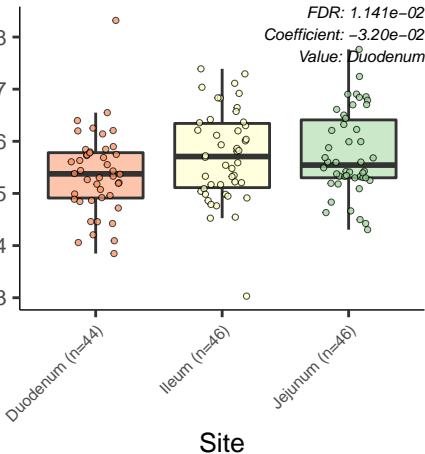
PWY.2942



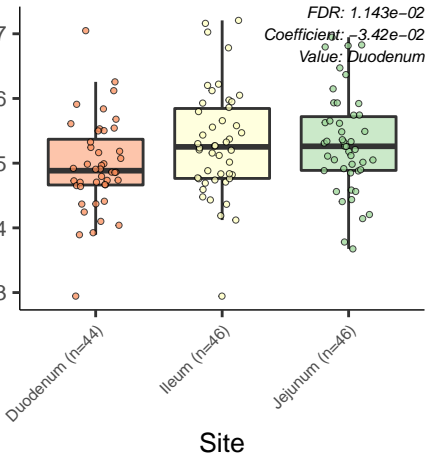
PWY.6123



PWY.7208

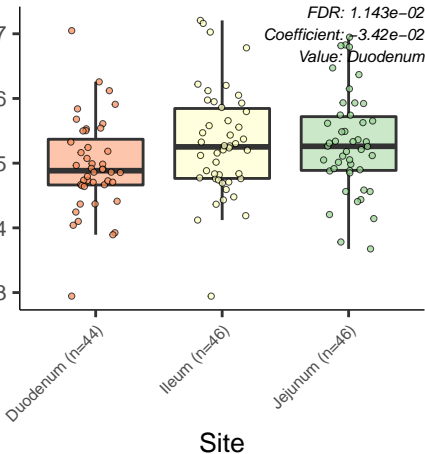


PWY.6122

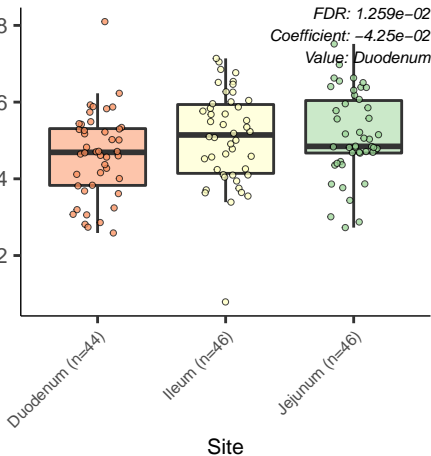




PWY.6277



POLYISOPRENSYN.PWY



COA.PWY

0.8

0.6

0.4

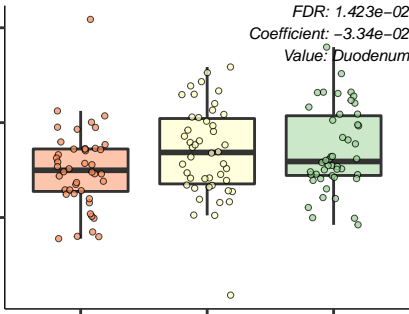
Duodenum (n=44)

Ileum (n=46)

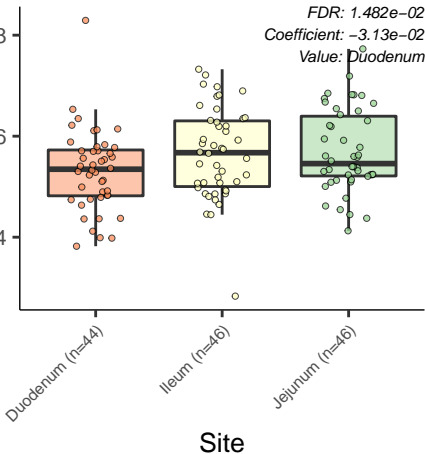
Jejunum (n=46)

Site

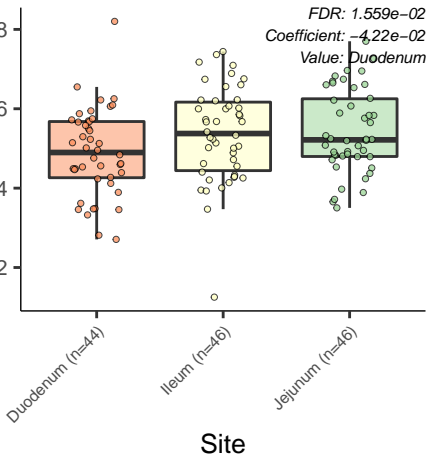
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Coefficient:  $-3.34e-02$   
Value: Duodenum



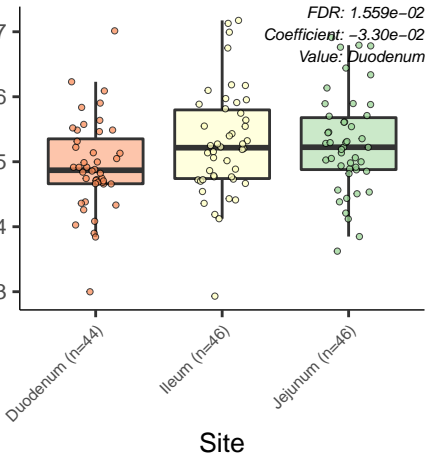
PWY.7229



P161.PWY



PWY.6121



PWY.6126

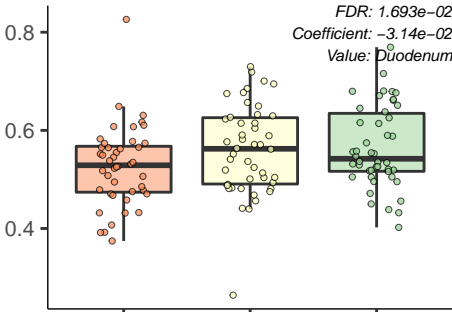
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*Value: Duodenum*

Duodenum (n=44)

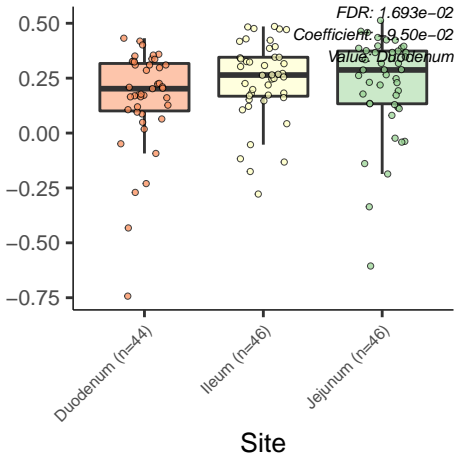
Ileum (n=46)

Jejunum (n=46)

Site

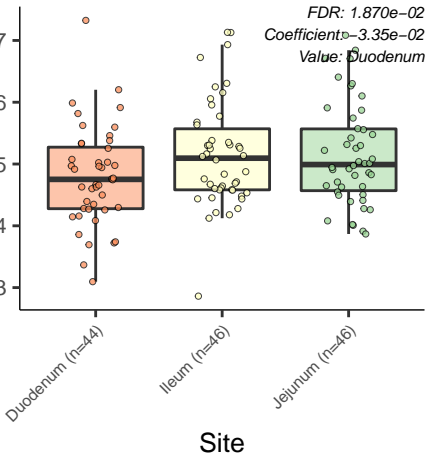


RUMP.PWY

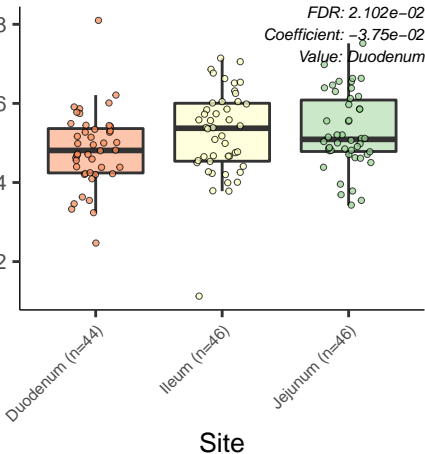




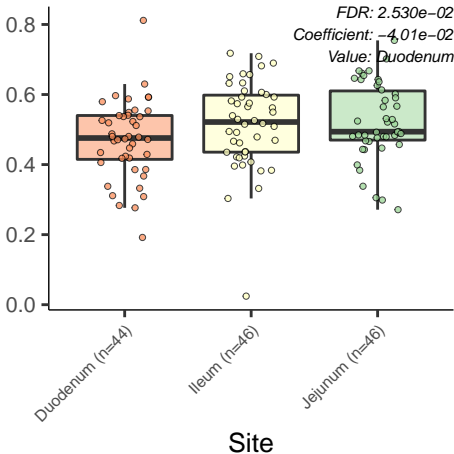
PWY.5973



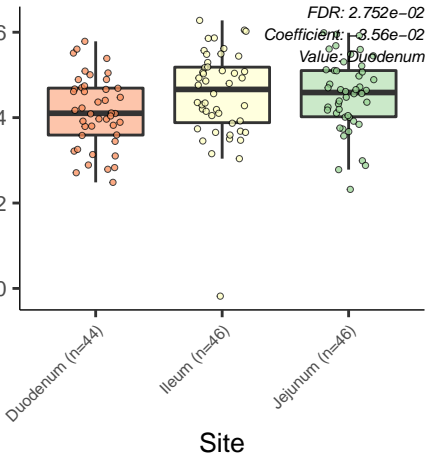
UDPNAGSYN.PWY



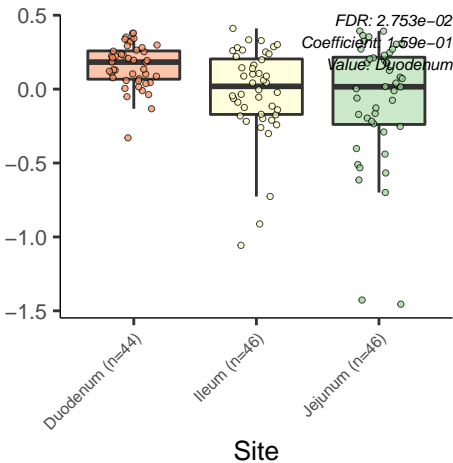
PWY.6471



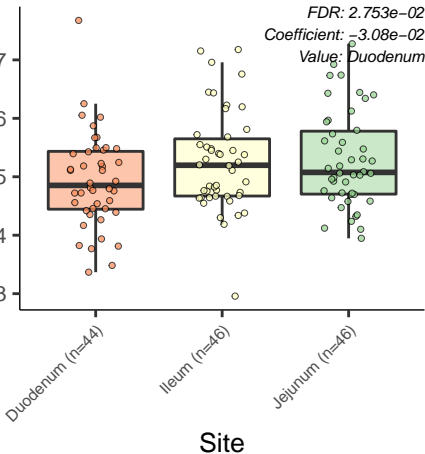
PWY.7196



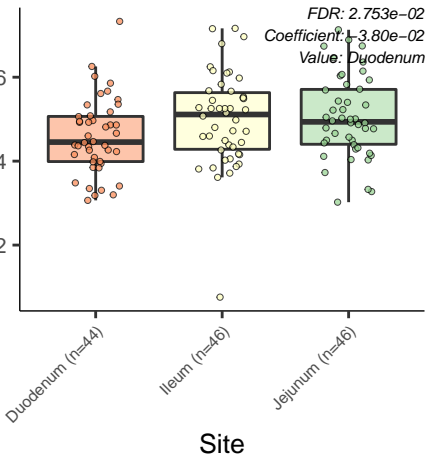
PRPP.PWY



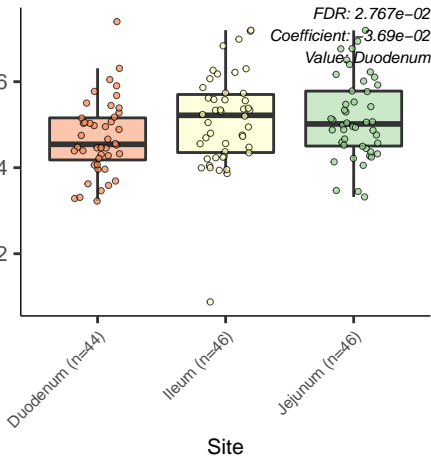
PWY.7663



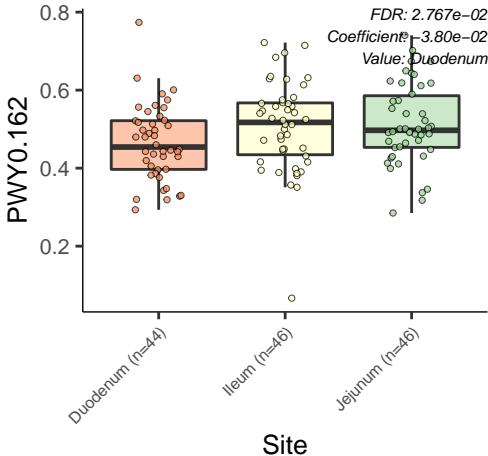
PWY.841



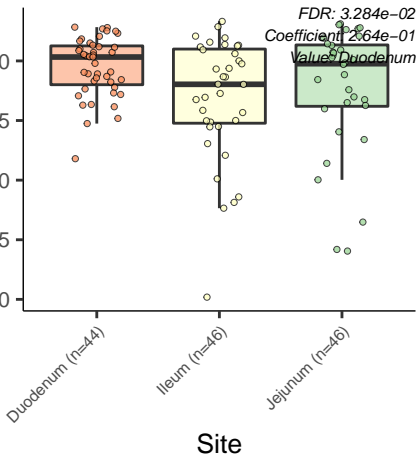
DENOVO PURINE2.PWY



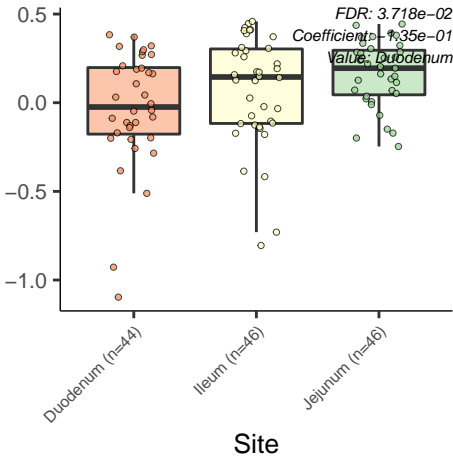




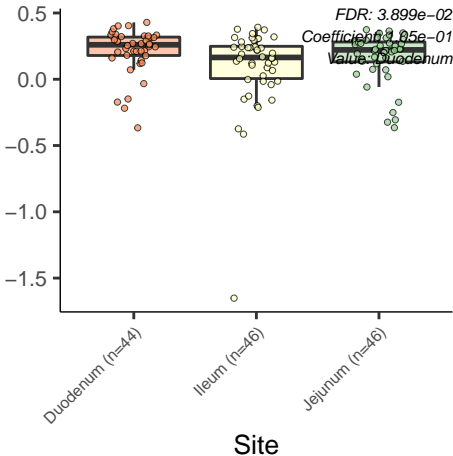
PWY.7211



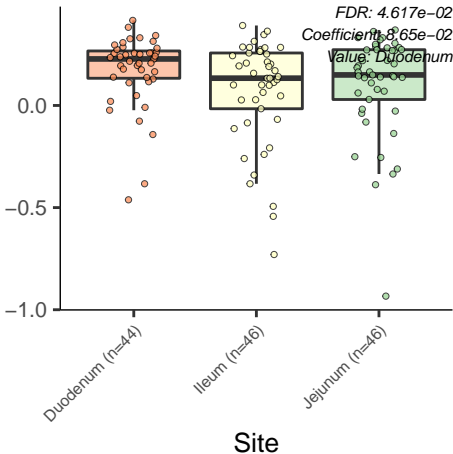
PWY490.3



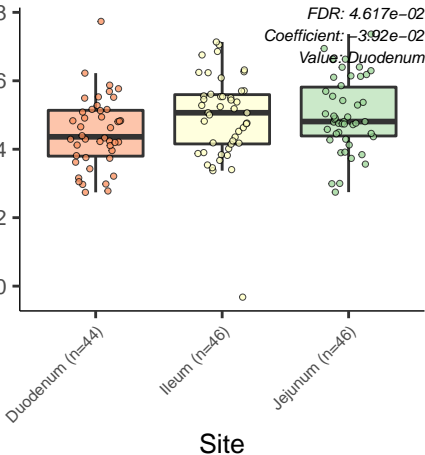
COLANSYN.PWY



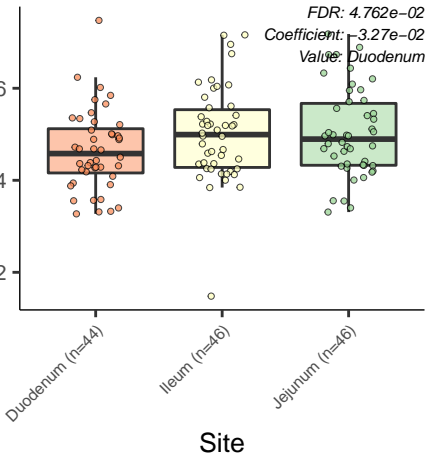
PWY.6969



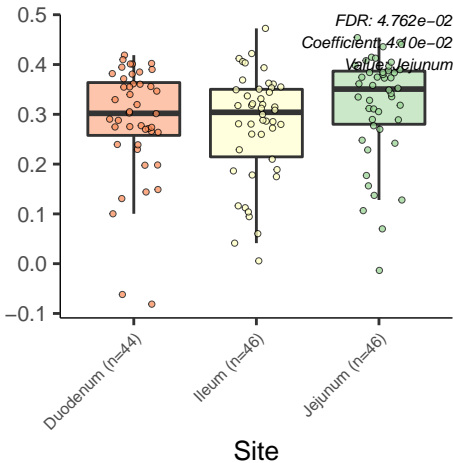
PWY.7187



FASYN.ELONG.PWY

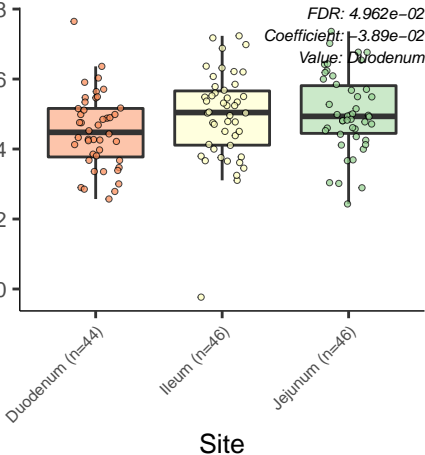


FOLSYN.PWY

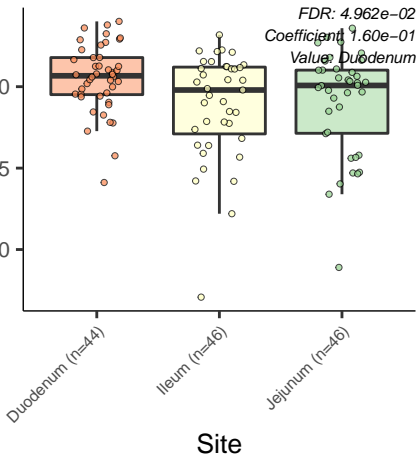


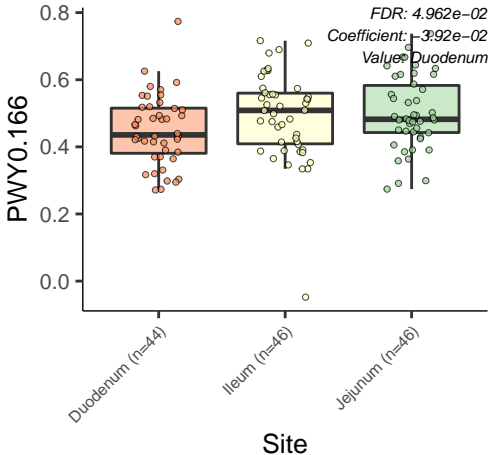


PWY.6125



PWY0.1261





PWY.7220

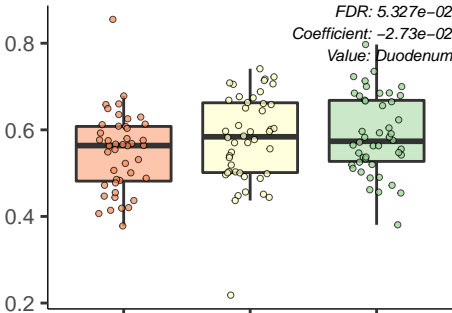
Duodenum (n=44)

Ileum (n=46)

Jejunum (n=46)

Site

FDR:  $5.327e-02$   
Coefficient:  $-2.73e-02$   
Value: Duodenum



PWY.7222

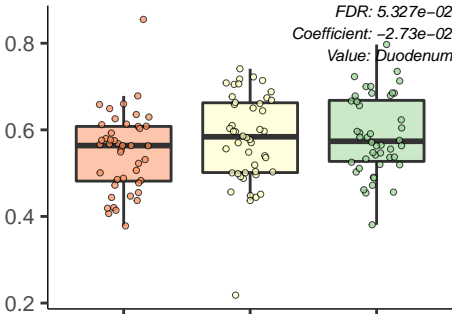
Duodenum (n=44)

Ileum (n=46)

Jejunum (n=46)

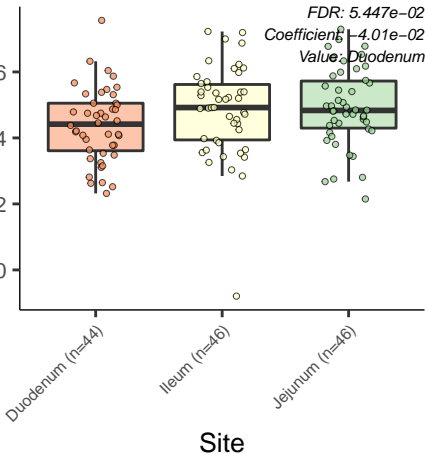
Site

FDR:  $5.327e-02$   
Coefficient:  $-2.73e-02$   
Value: Duodenum

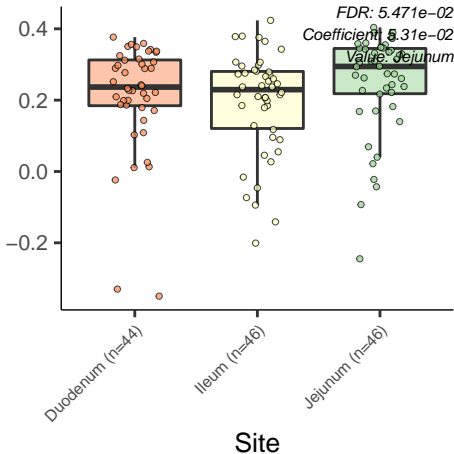




PWY.7228

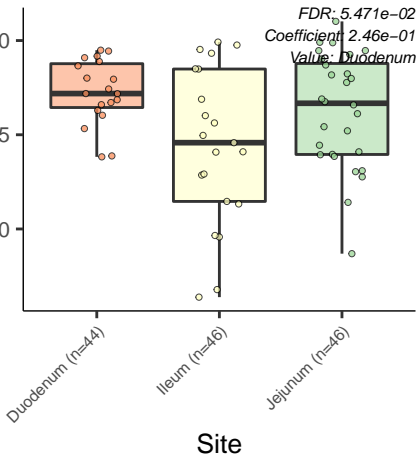


PWY.6612

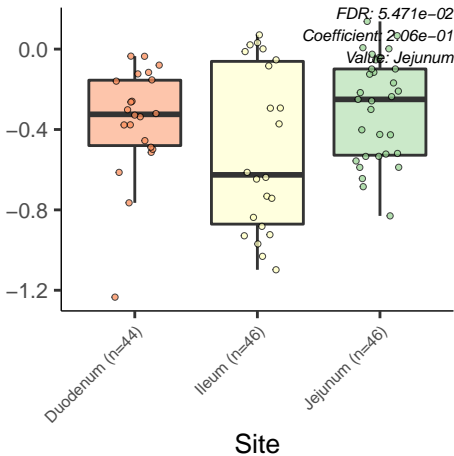




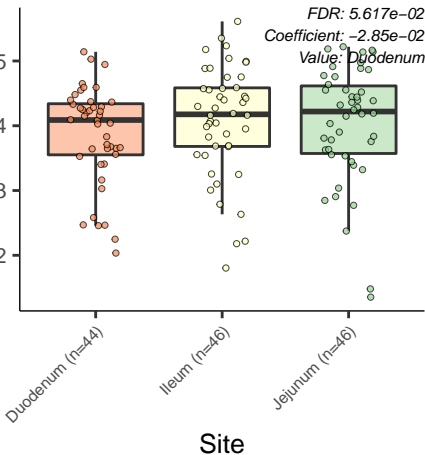
PWY0.1241



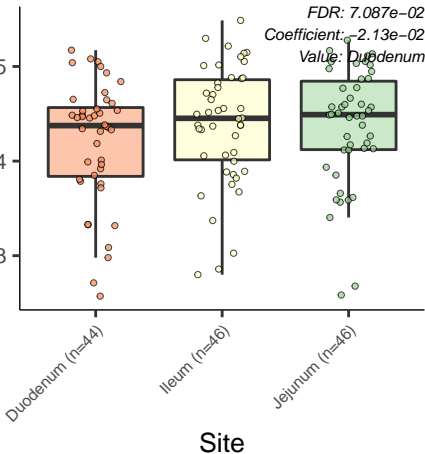
SO4ASSIM.PWY



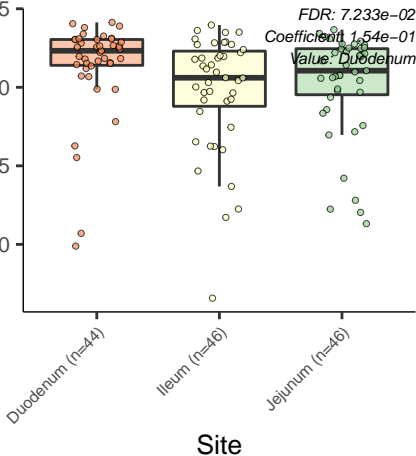
SER.GLYSYN.PWY



PWY.3001



P108.PWY



OANTIGEN.PWY

FDR:  $7.642e-02$   
Coefficient:  $-2.58e-02$   
Value: Duodenum

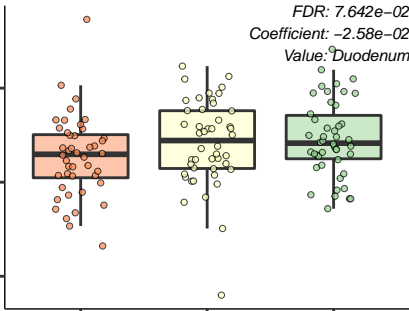
Duodenum (n=44)

Ileum (n=46)

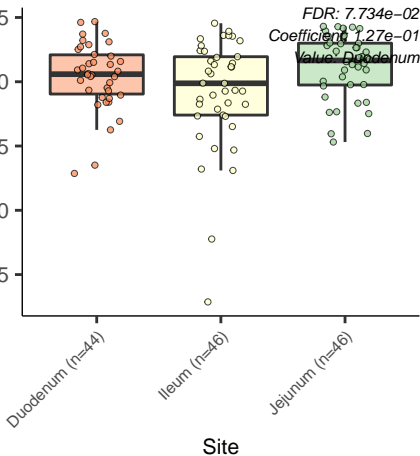
Jejunum (n=46)

Site

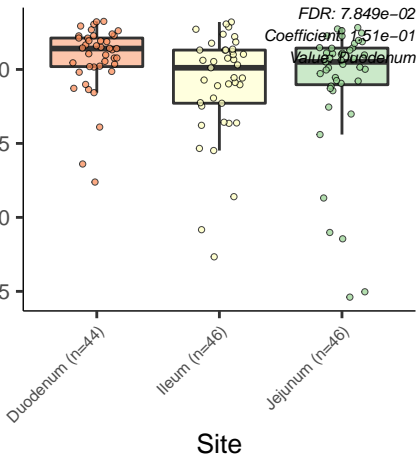
0.2  
0.4  
0.6



HEXITOLDEGSUPER.PWY



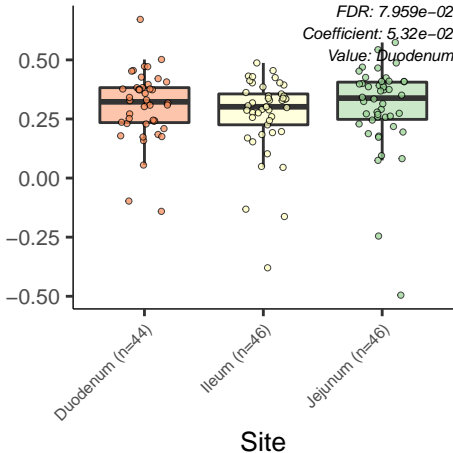
PWY.1269



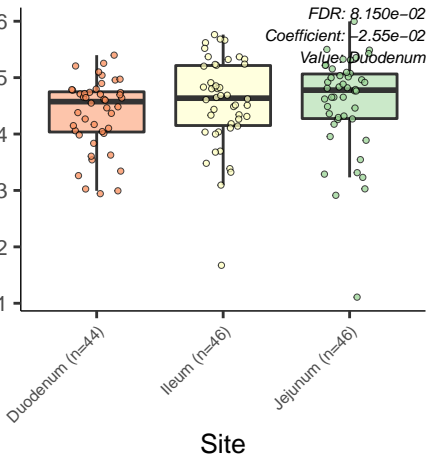


PWY.6147

*FDR: 7.959e-02*  
*Coefficient: 5.32e-02*  
*Value: Duodenum*



GLYCOCAT.PWY



PWY.5121

0.6  
0.4  
0.2

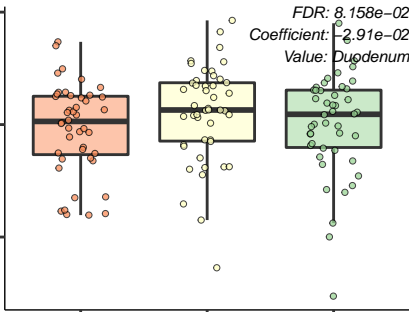
Duodenum (n=44)

Ileum (n=46)

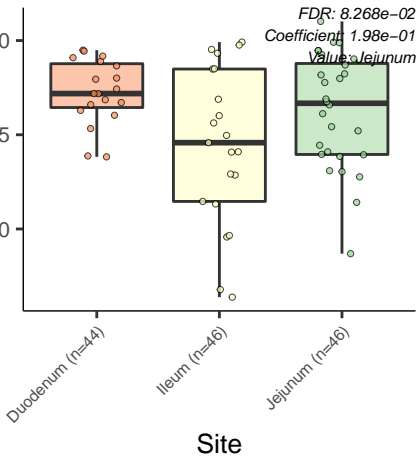
Jejunum (n=46)

Site

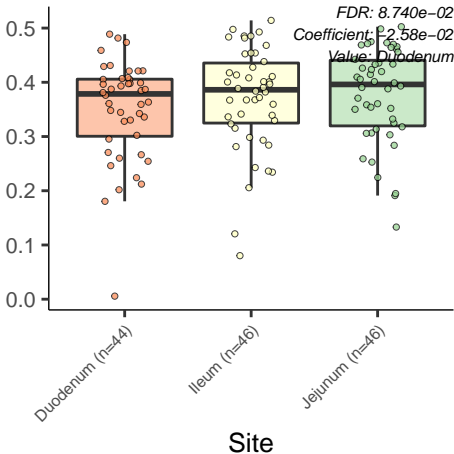
FDR:  $8.158 \times 10^{-2}$   
Coefficient:  $-2.91 \times 10^{-2}$   
Value: Duodenum



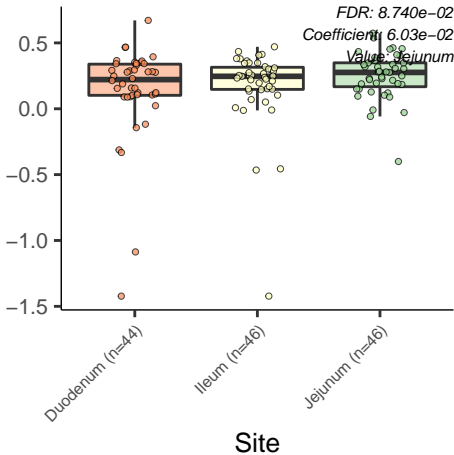
PWY0.1241



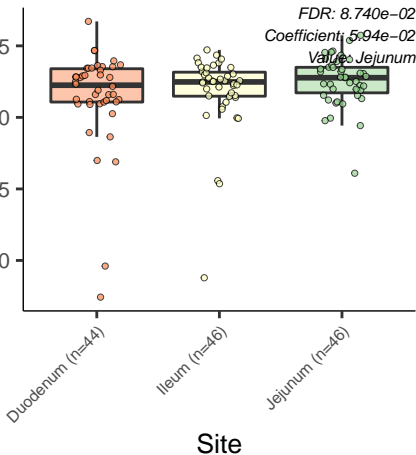
ARGSYNBSUB.PWY



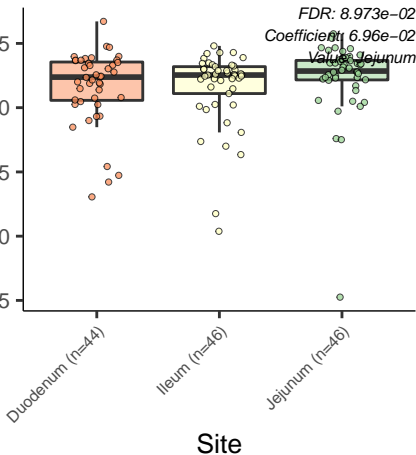
PWY.5509



PWY.6269

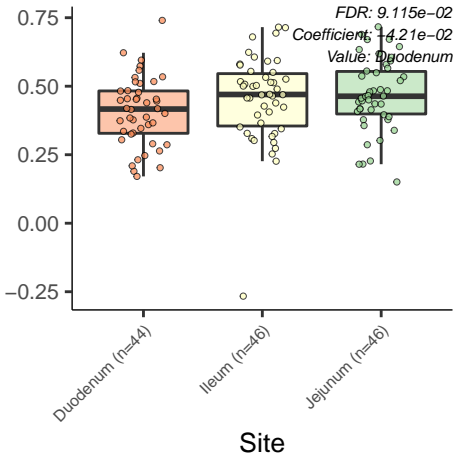


PWY.5189

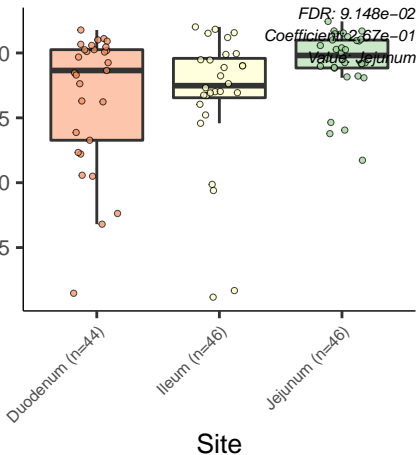




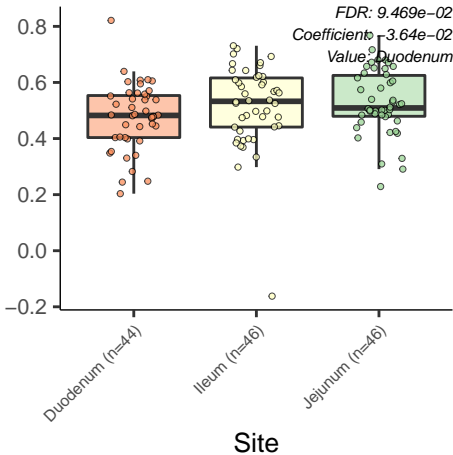
PWY.7184



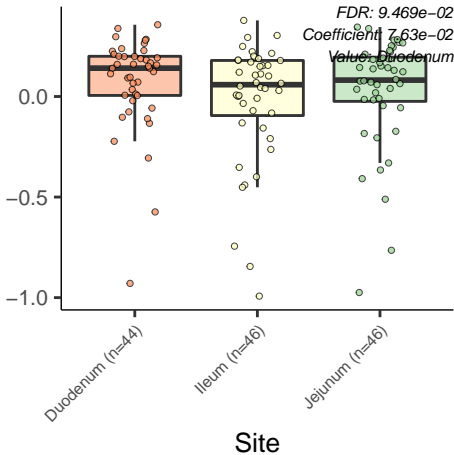
PWY.5304



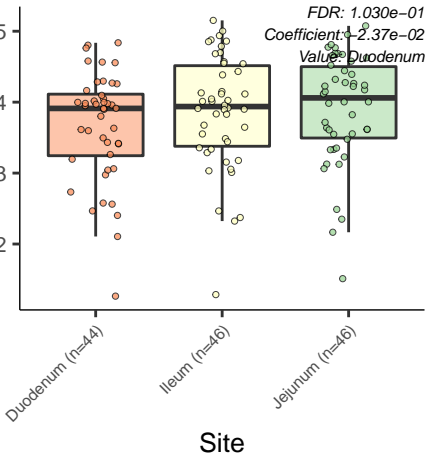
P124.PWY



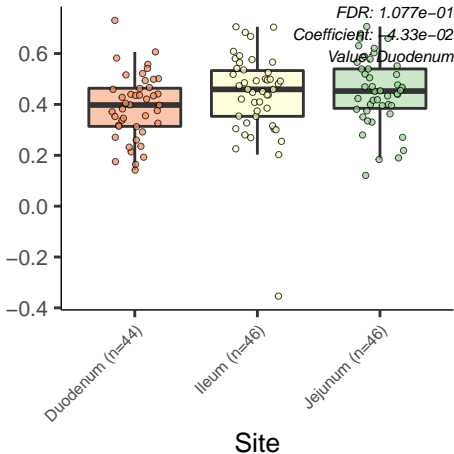
TCA



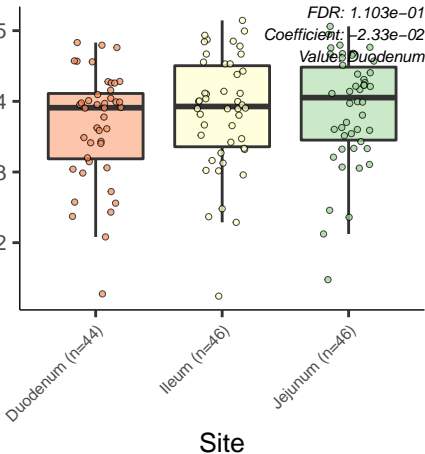
ARGSYN.PWY



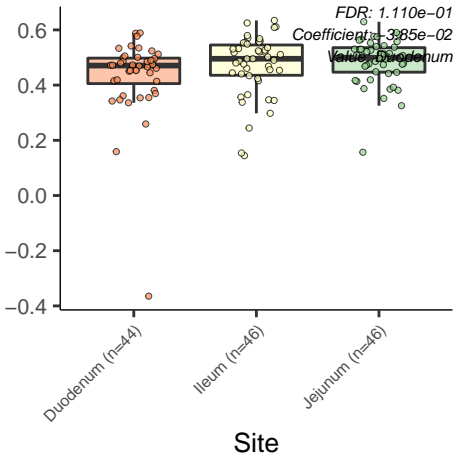
PWY.7197



PWY.7400

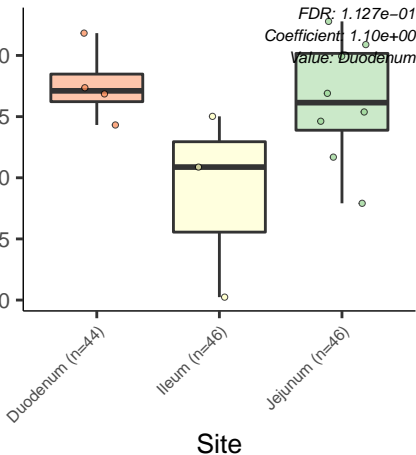


P441.PWY

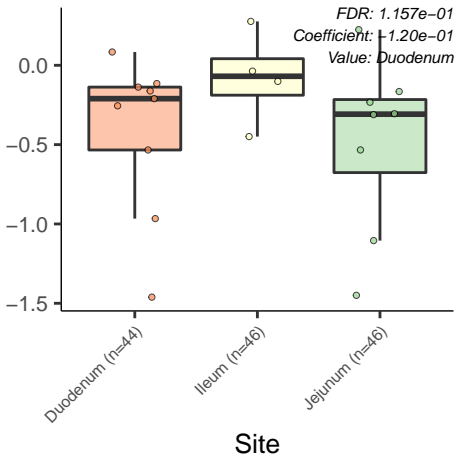




PWY.6396



HISDEG.PWY



PWY.7539

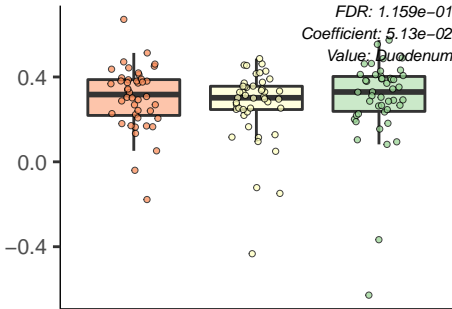
*FDR: 1.159e-01*  
*Coefficient: 5.13e-02*  
*Value: Duodenum*

Duodenum (n=44)

Ileum (n=46)

Jejunum (n=46)

Site



PYRIDOXSYN.PWY

*FDR: 1.159e-01*  
*Coefficient: -4.99e-01*  
*Value: Duodenum*

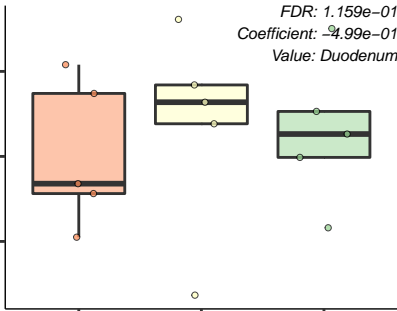
Duodenum (n=44)

Ileum (n=46)

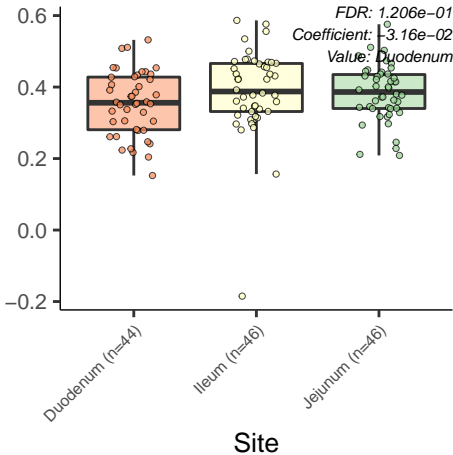
Jejunum (n=46)

Site

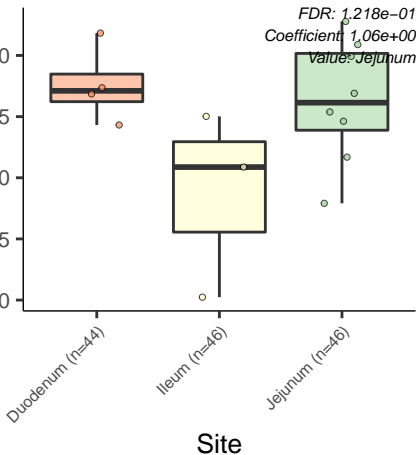
0.0  
-0.5  
-1.0

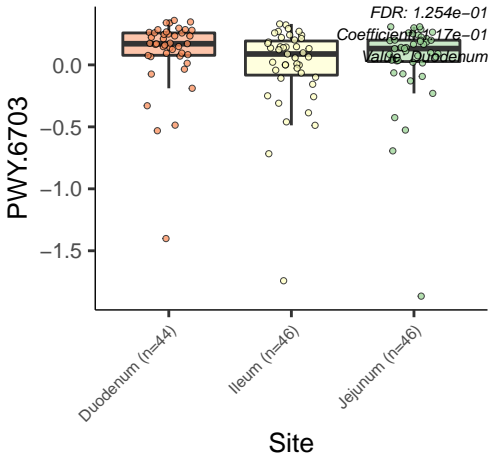


PWY.7200

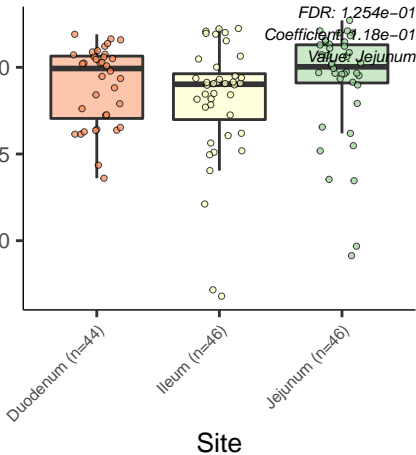


PWY.6396



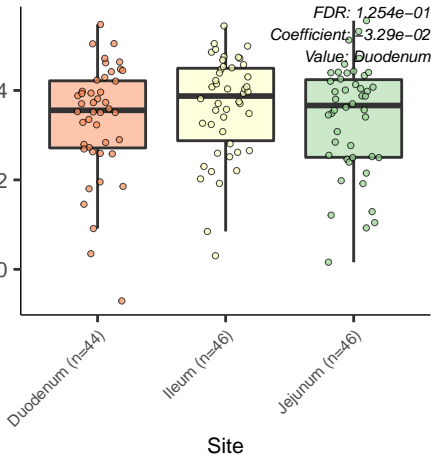


SULFATE.CYS.PWY

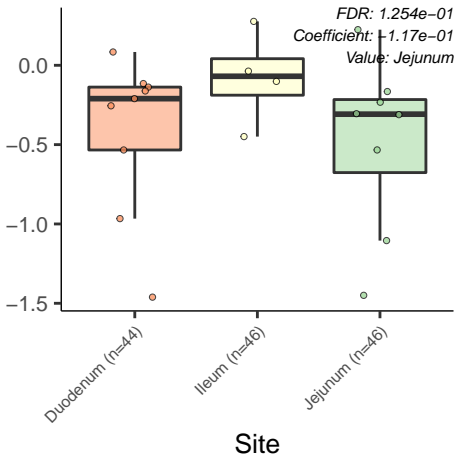




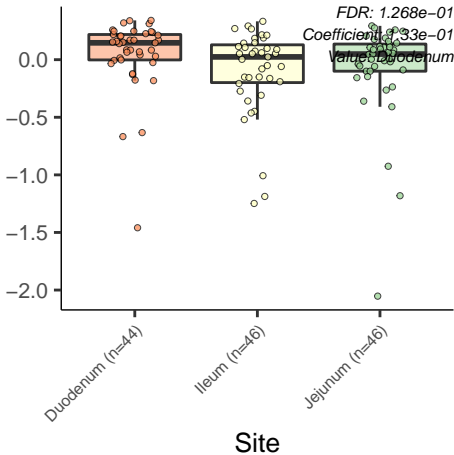
COMPLETE.ARO.PWY



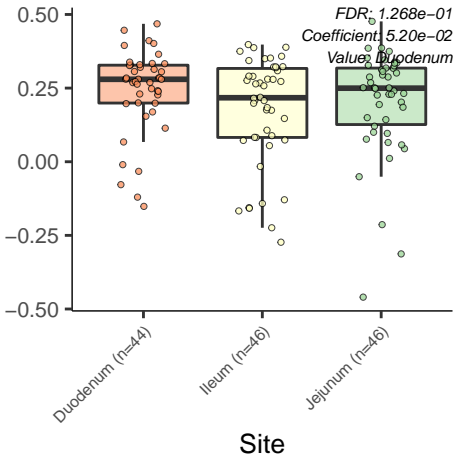
HISDEG.PWY



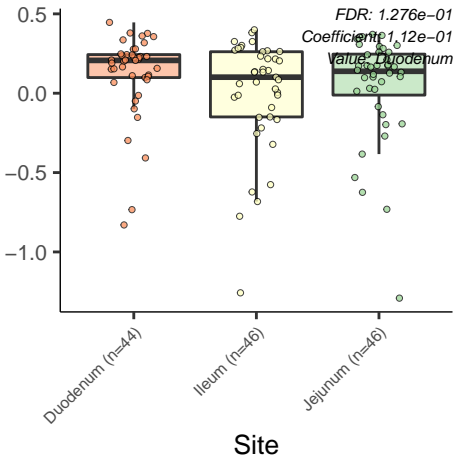
NAGLIPASYN.PWY



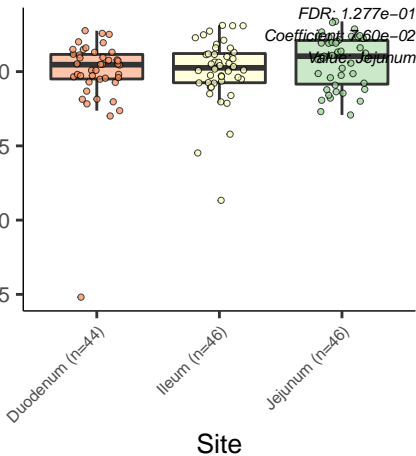
TRPSYN.PWY

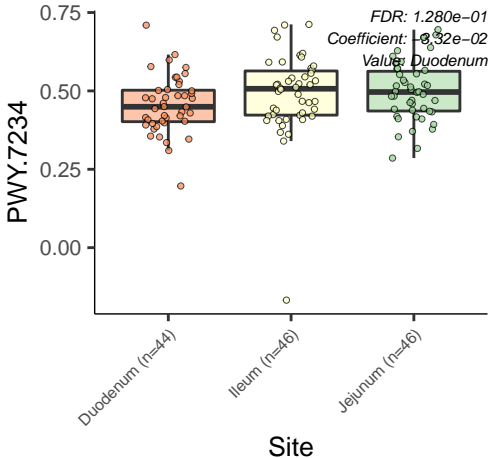


PWY.6507

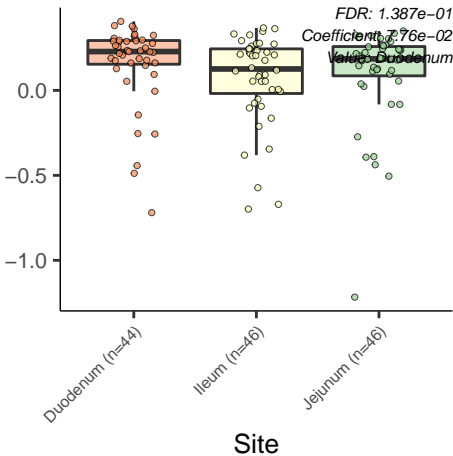


PWY0.781



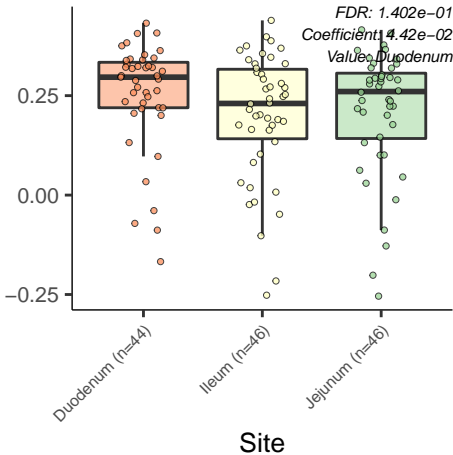


THISYN.PWY

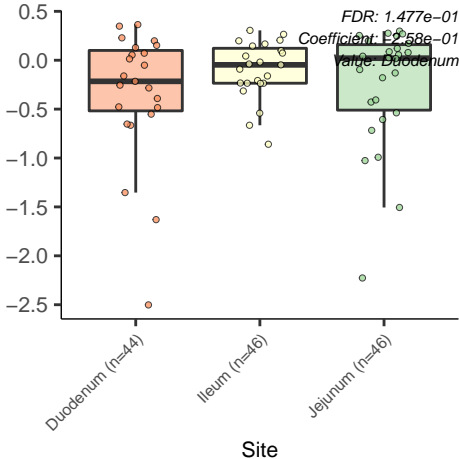




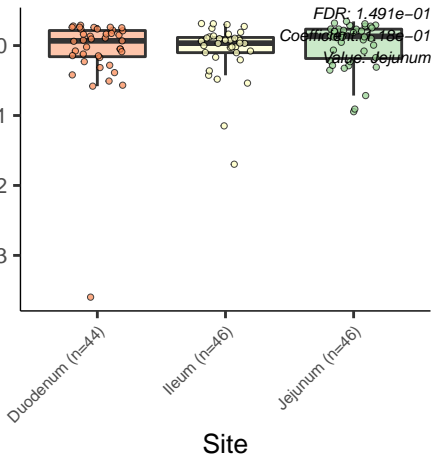
PWY.5659

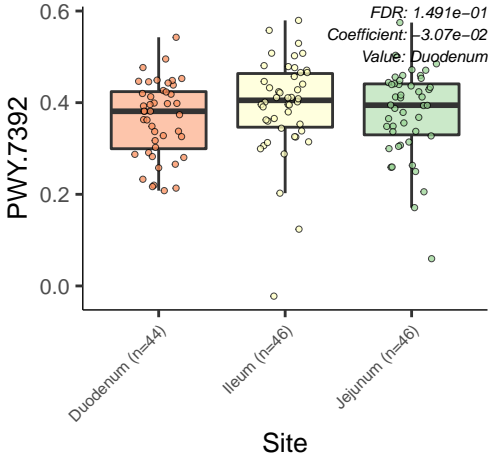


NAD.BIOSYNTHESIS.II



PWY.3781





P23.PWY

0.0  
-0.5  
-1.0  
-1.5

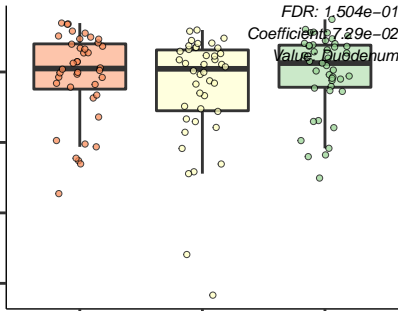
Duodenum (n=44)

Ileum (n=46)

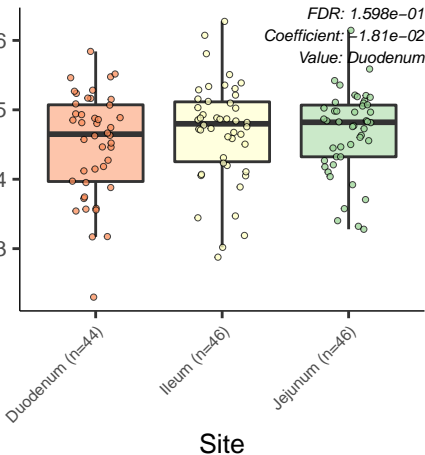
Jejunum (n=46)

Site

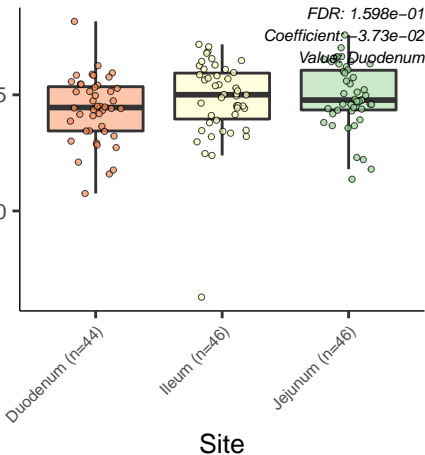
*FDR: 1.504e-01*  
*Coefficient: 7.29e-02*  
*Value: 0.006*  
*Value: 0.006*



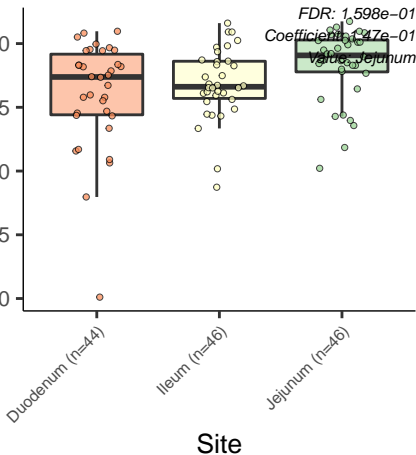
CALVIN.PWY



P122.PWY



PWY.5022





ARO.PWY

0.4  
0.2  
0.0

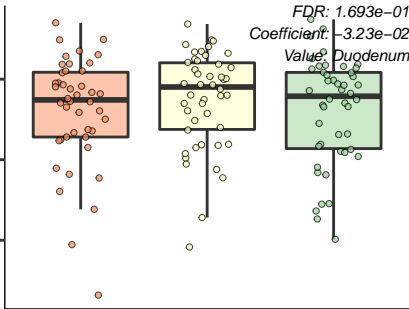
Duodenum (n=44)

Ileum (n=46)

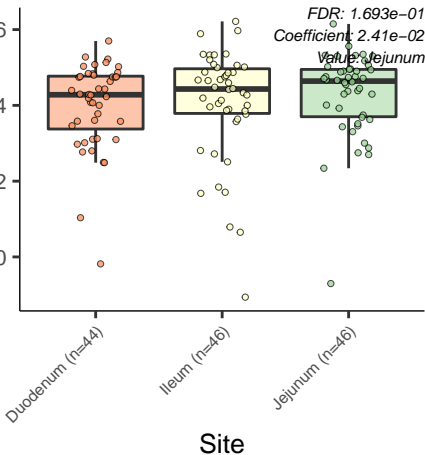
Jejunum (n=46)

Site

FDR:  $1.693e-01$   
Coefficient:  $-3.23e-02$   
Value: Duodenum



GLYCOLYSIS.E.D



NONMEVIP.PWY

0.4  
0.2  
0.0

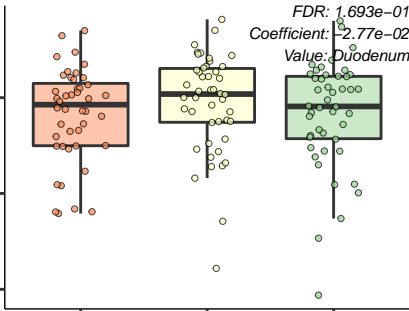
Duodenum (n=44)

Ileum (n=46)

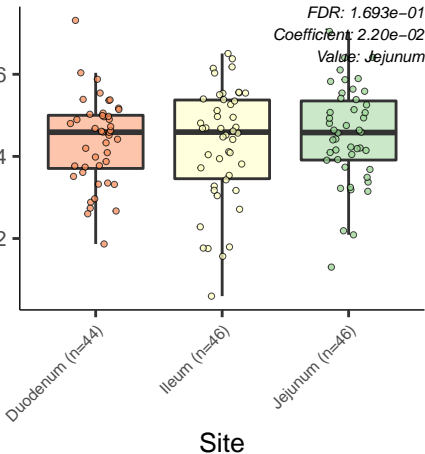
Jejunum (n=46)

Site

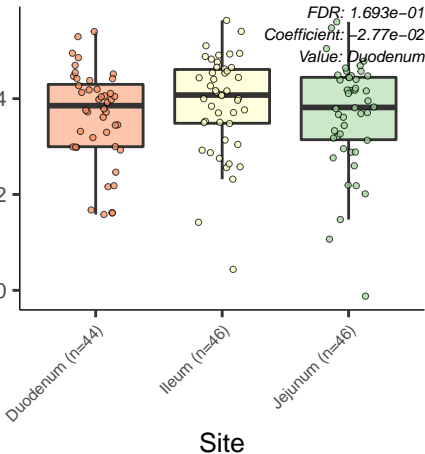
FDR:  $1.693e-01$   
Coefficient:  $-2.77e-02$   
Value: Duodenum



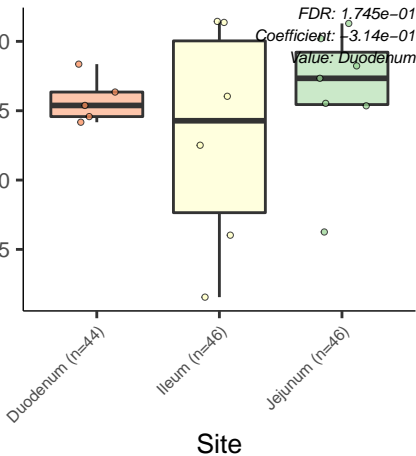
PWY.5695



PWY.7560



PWY.5861



ANAEROFRUCAT.PWY

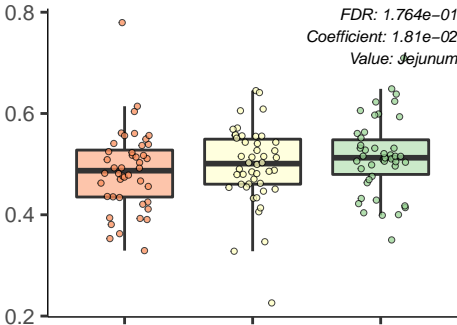
FDR: 1.764e-01  
Coefficient: 1.81e-02  
Value: Jejunum

Duodenum (n=44)

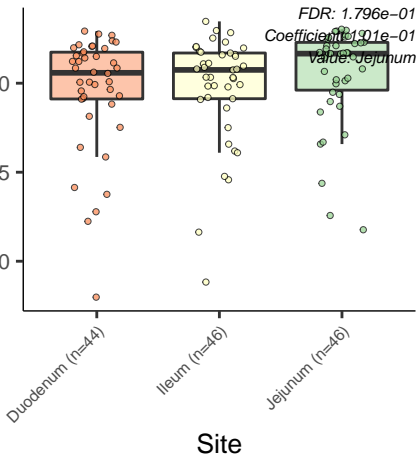
Ileum (n=46)

Jejunum (n=46)

Site

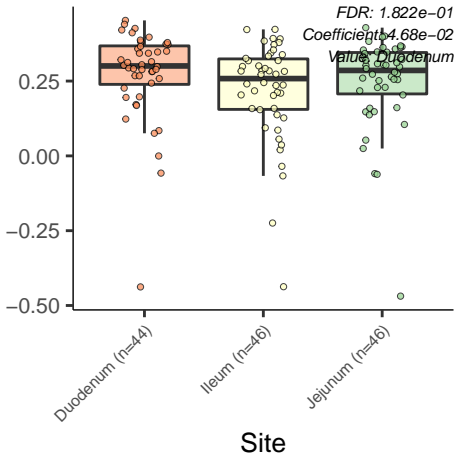


PWY.6545

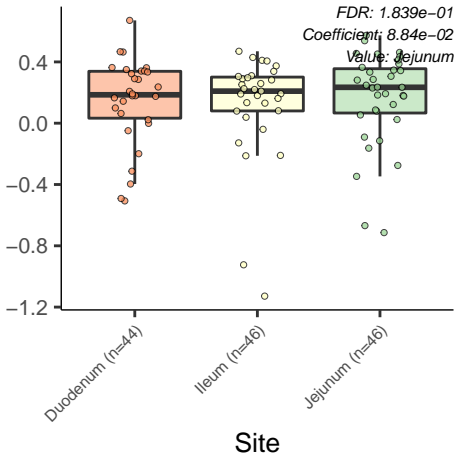




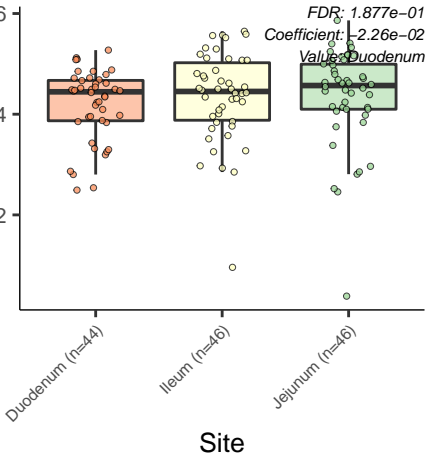
PANTOSYN.PWY



PWY.7377



PWY.6737



PWY.6147

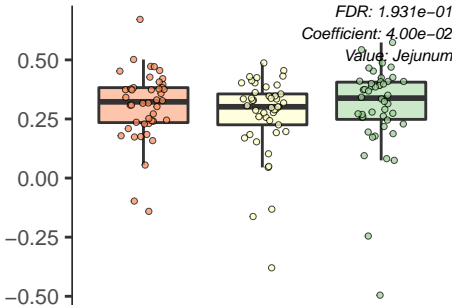
*FDR: 1.931e-01*  
*Coefficient: 4.00e-02*  
*Value: Jejunum*

Duodenum (n=44)

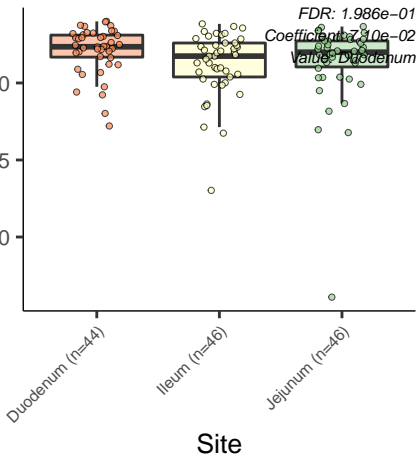
Ileum (n=46)

Jejunum (n=46)

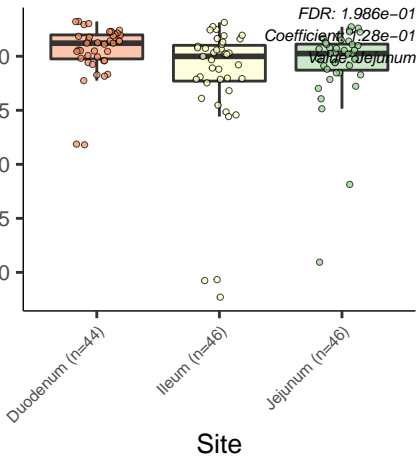
Site



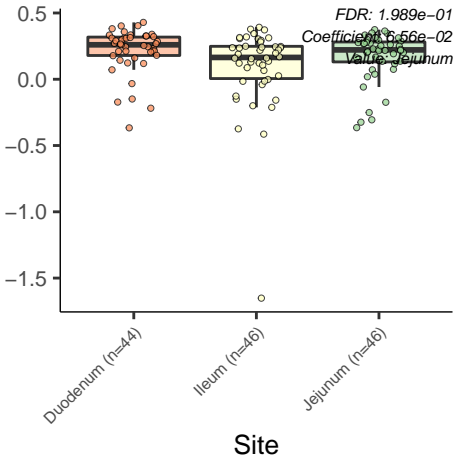
PANTO.PWY



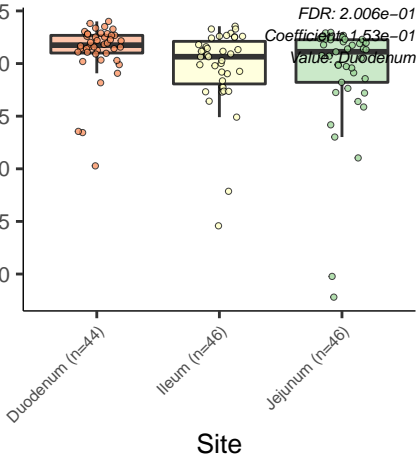
PWY.6467



COLANSYN.PWY

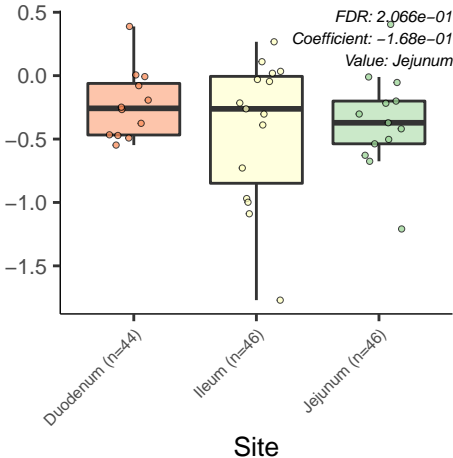


PWY.5154

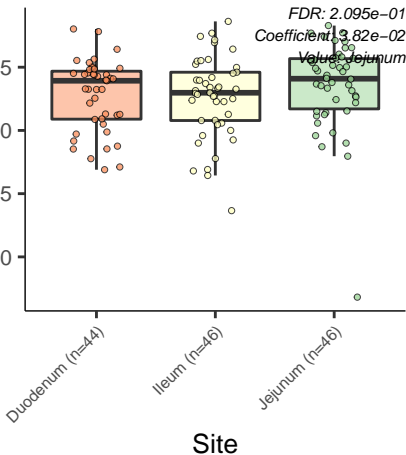




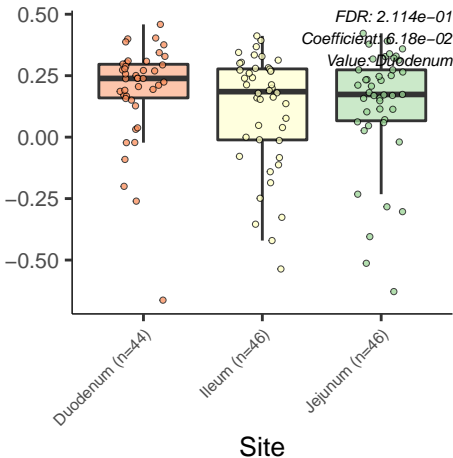
PWY.7315



HEMESYN2.PWY

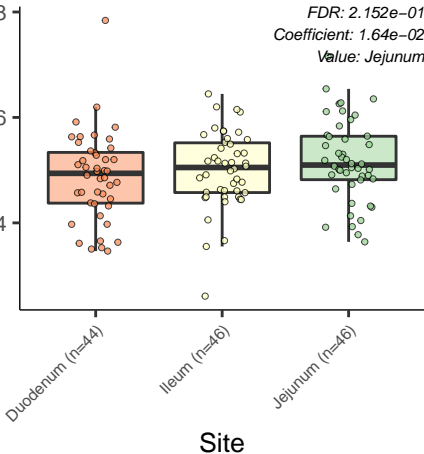


PWY.7242

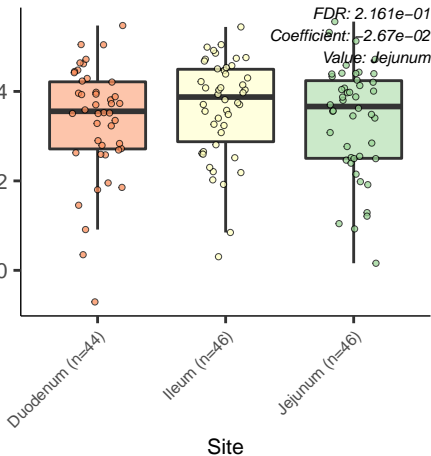


GLUCONEO.PWY

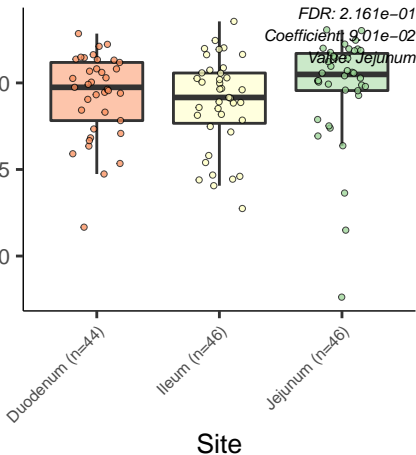
FDR: 2.152e-01  
Coefficient: 1.64e-02  
Value: Jejunum



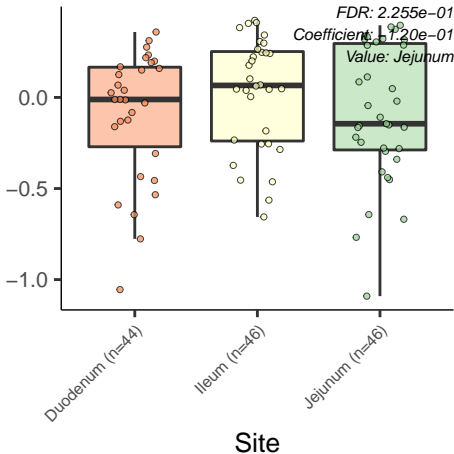
COMPLETE.ARO.PWY



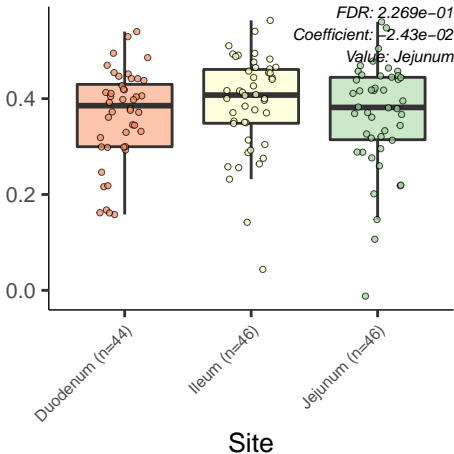
PWY.7328



PWY.5265



NONMEVIPP.PWY





PWY.7560

0.4

0.2

0.0

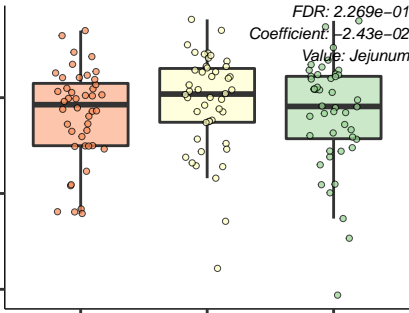
Duodenum (n=44)

Ileum (n=46)

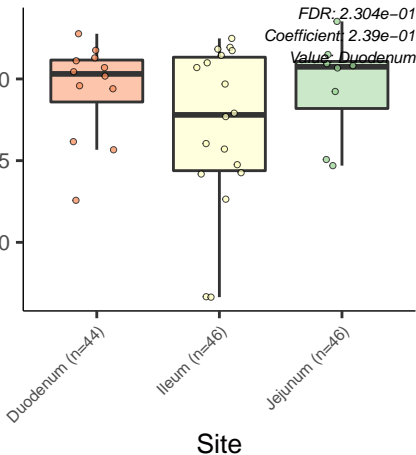
Jejunum (n=46)

Site

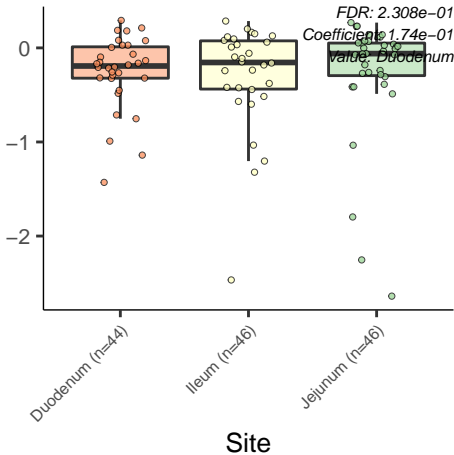
FDR: 2.269e-01  
Coefficient: -2.43e-02  
Value: Jejunum



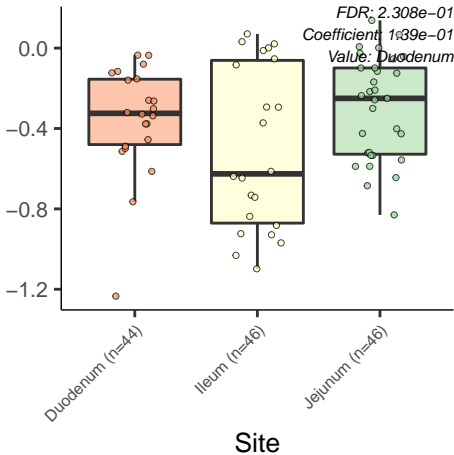
PWY.7003



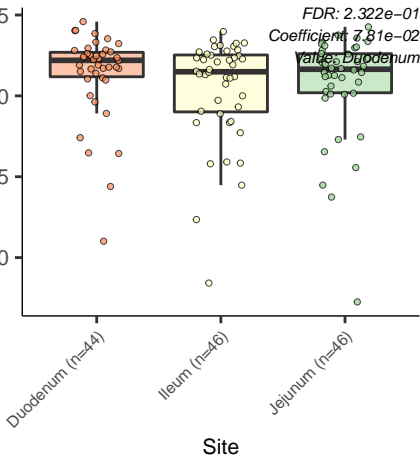
ARGORNPST.PWY



SO4ASSIM.PWY



GALACTUROCAT.PWY



ARO.PWY

0.4  
0.2  
0.0

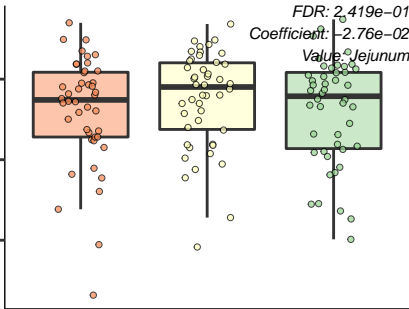
Duodenum (n=44)

Ileum (n=46)

Jejunum (n=46)

Site

FDR:  $2.419 \times 10^{-1}$   
Coefficient:  $-2.76 \times 10^{-2}$   
Value: Jejunum



PWY.6892

