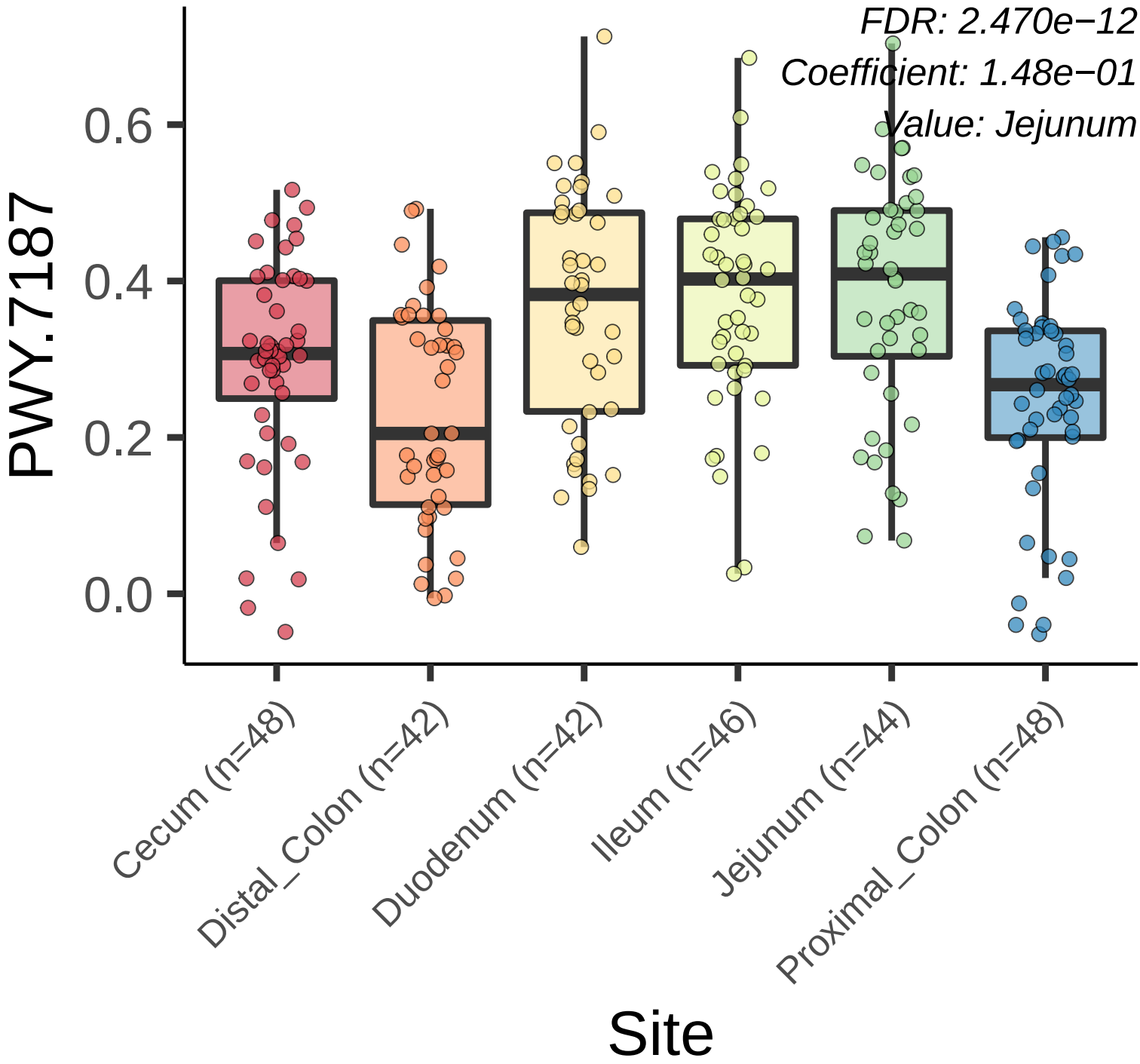
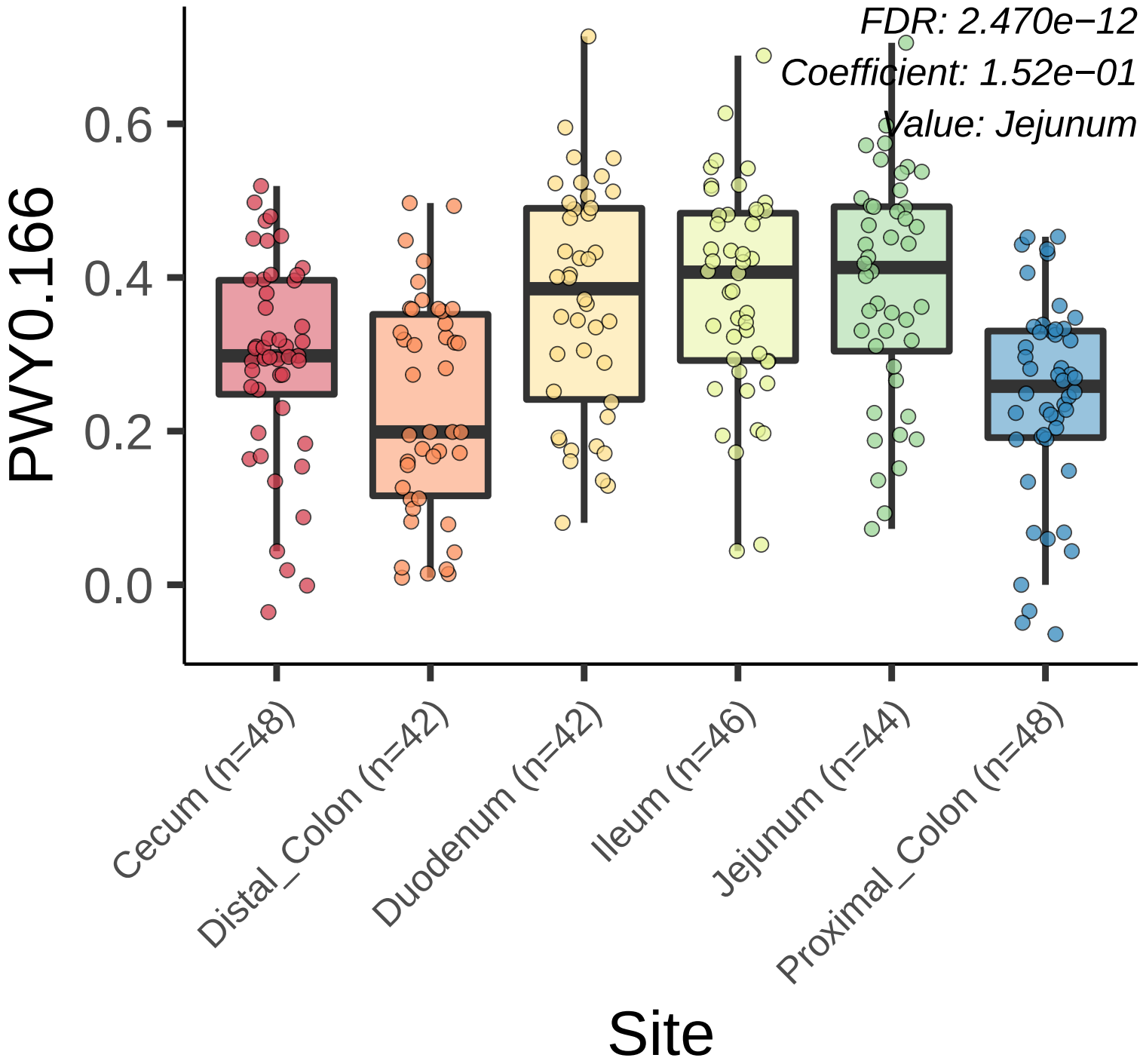
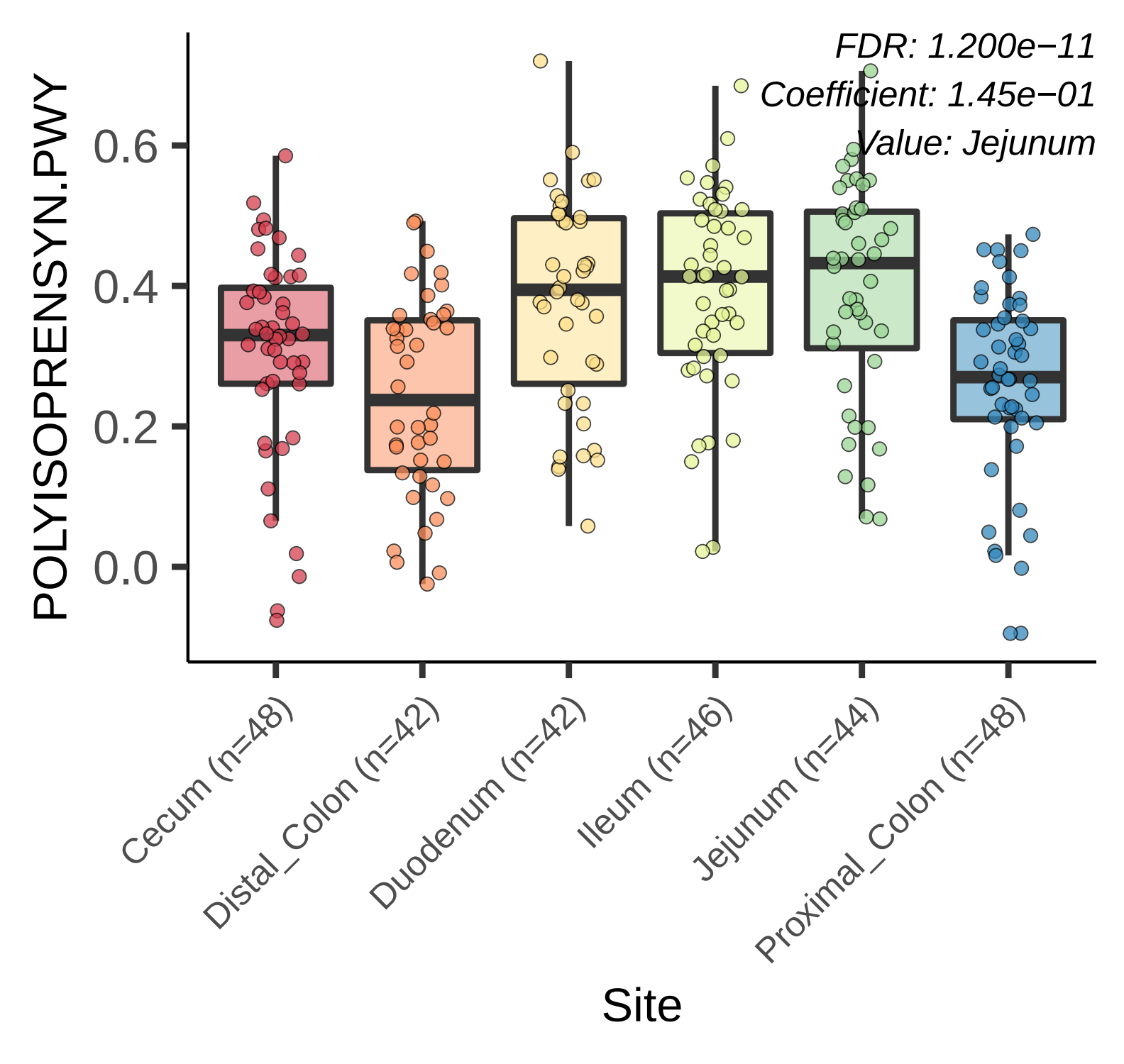
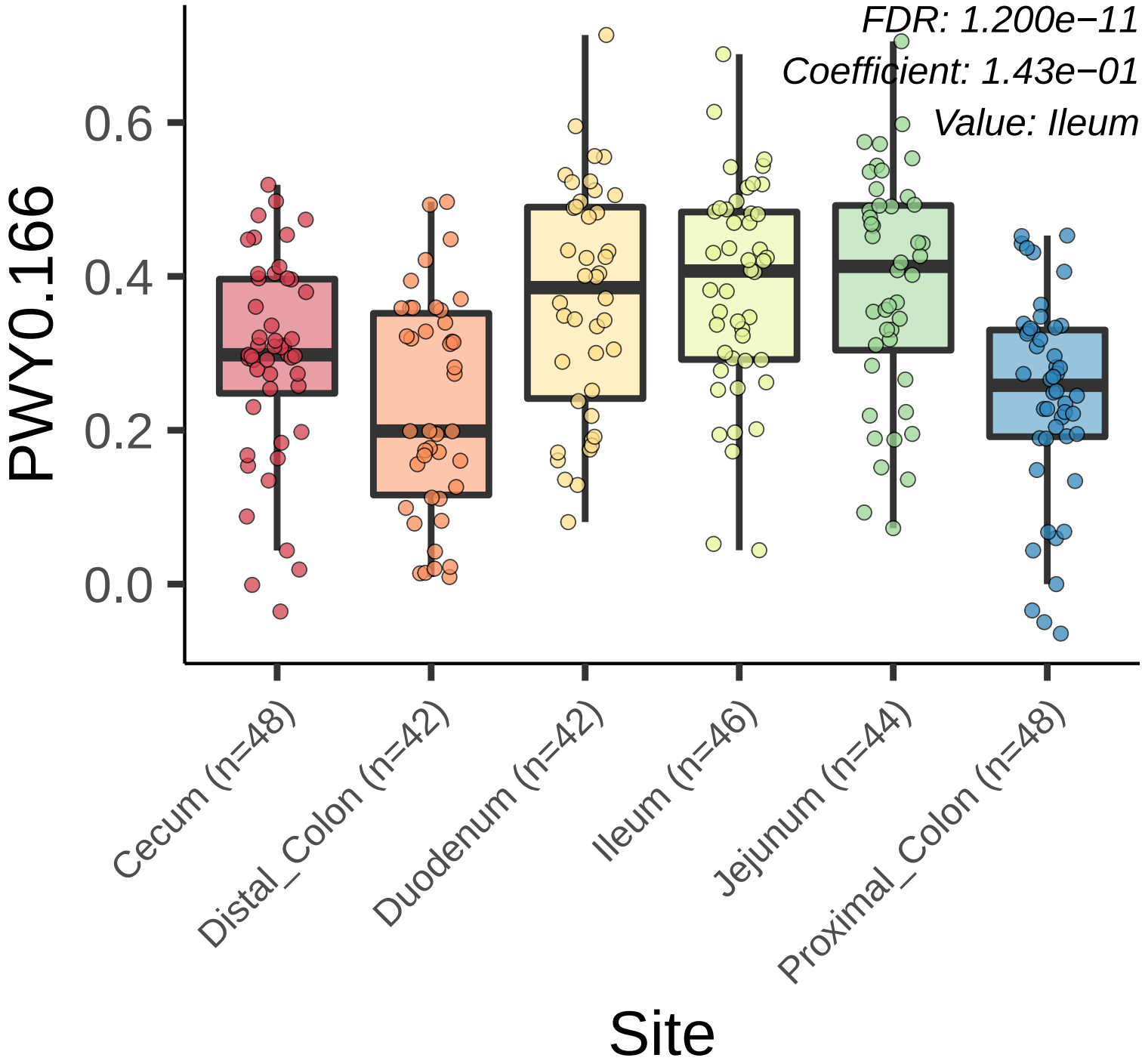
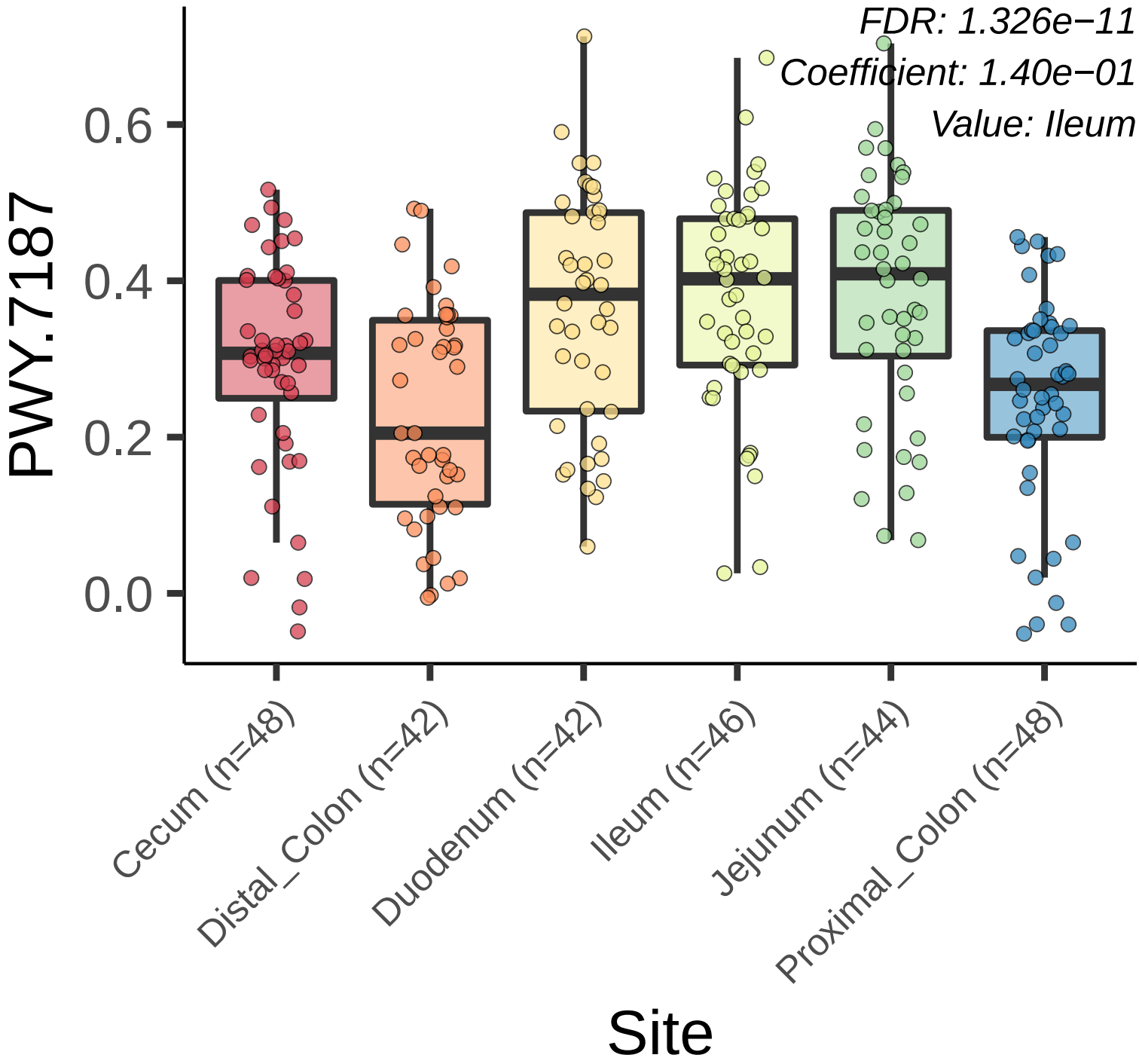
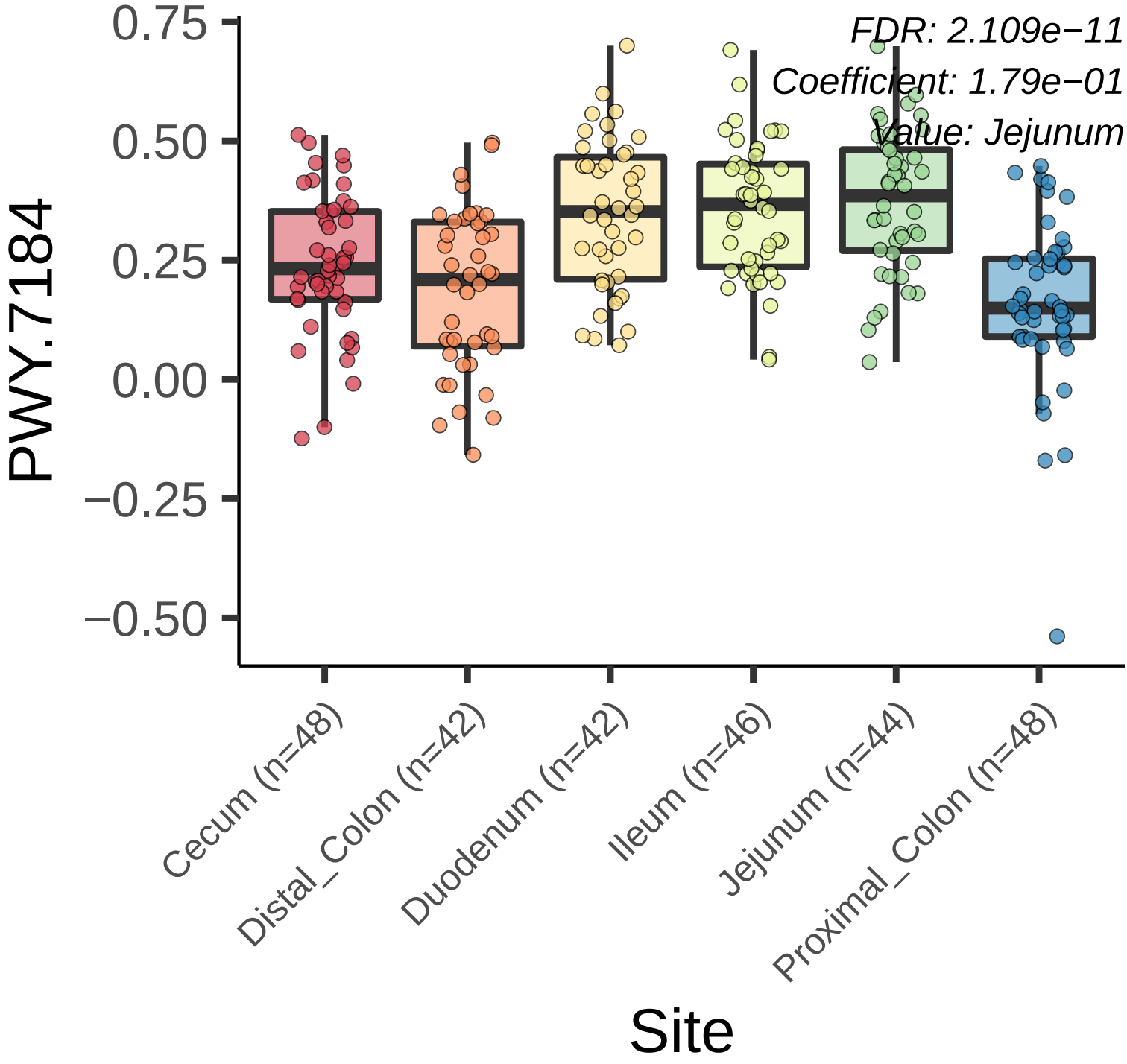

FDR: 2.470e−12
Coefficient: 1.48e−01
Value: Jejunum
PWY.7187
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

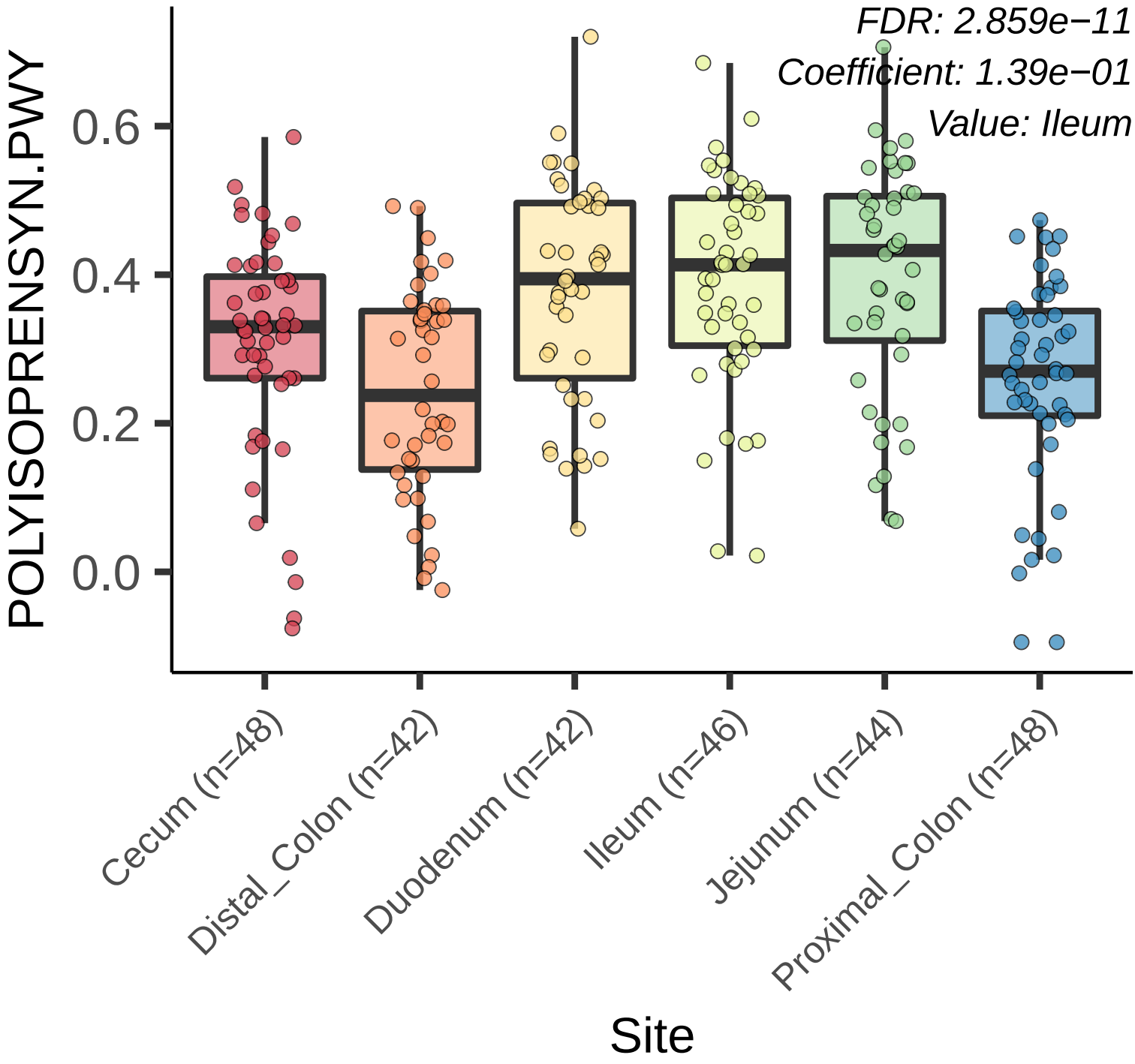

FDR: 2.470e−12
Coefficient: 1.52e−01
Value: Jejunum
PWY0.166
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

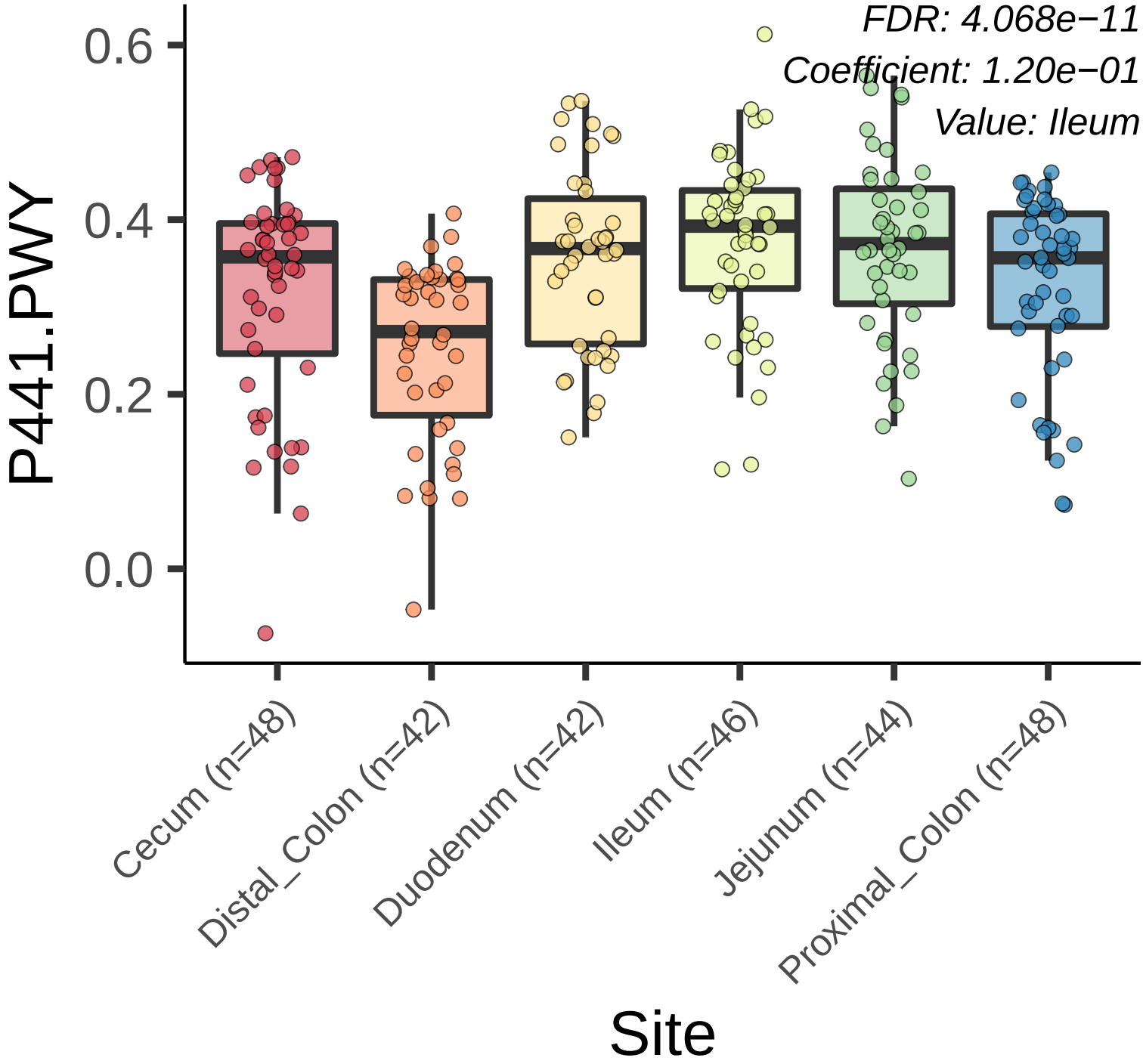

FDR: 1.200e−11
Coefficient: 1.45e−01
Value: Jejunum
POLYISOPRENSYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

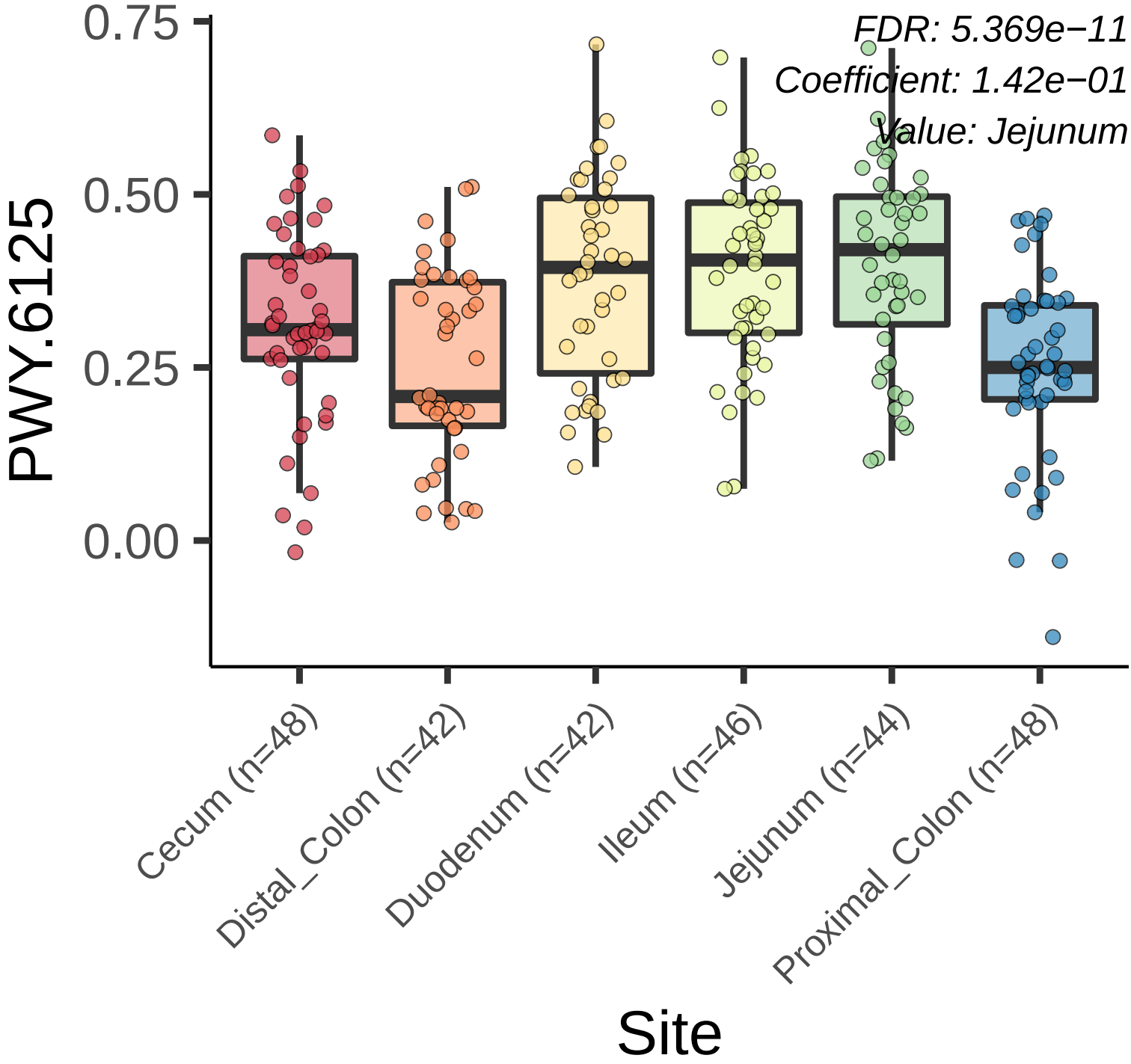

FDR: 1.200e−11
Coefficient: 1.43e−01
Value: Ileum
PWY0.166
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

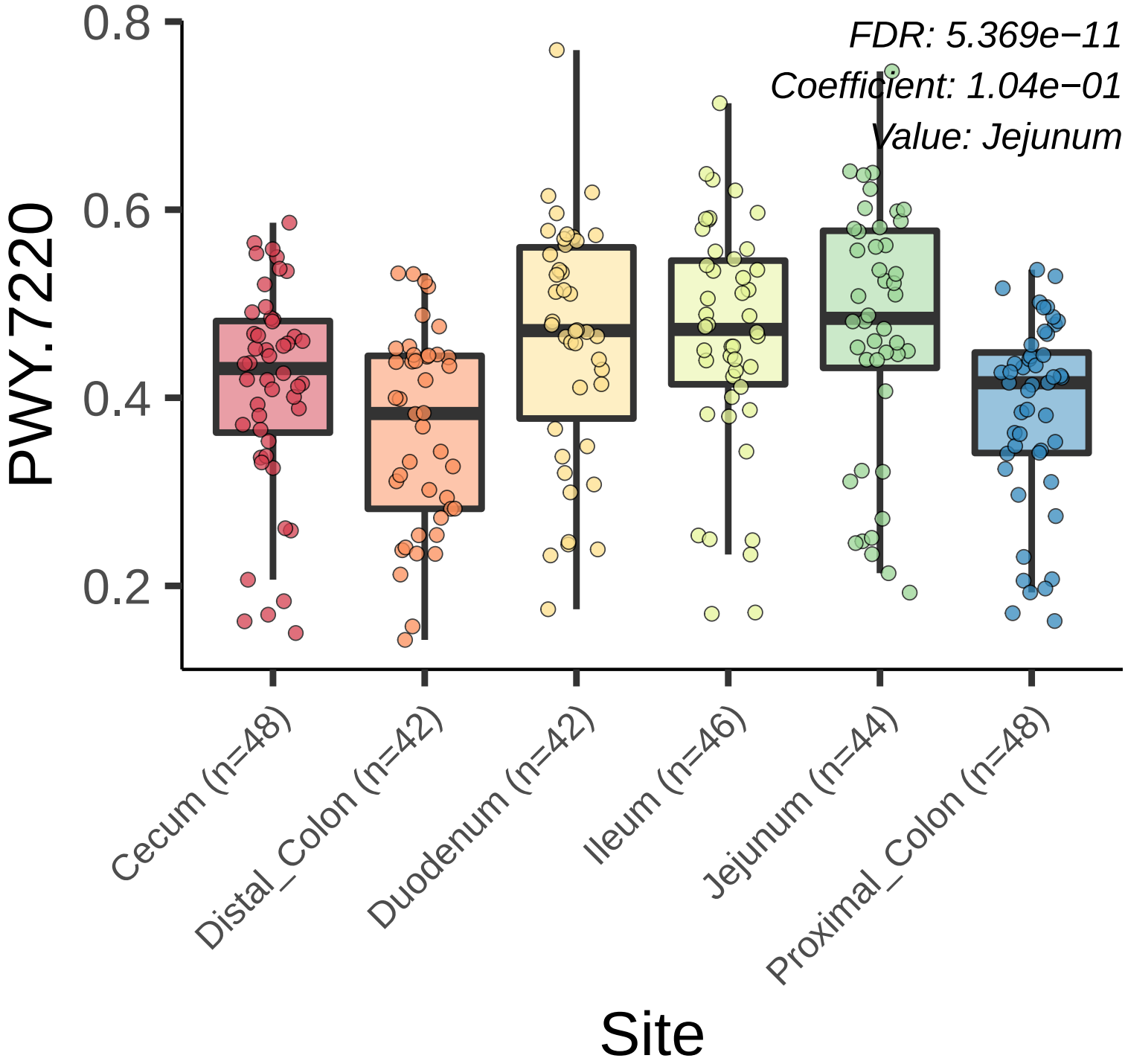

FDR: 1.326e−11
Coefficient: 1.40e−01
Value: Ileum
PWY.7187
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

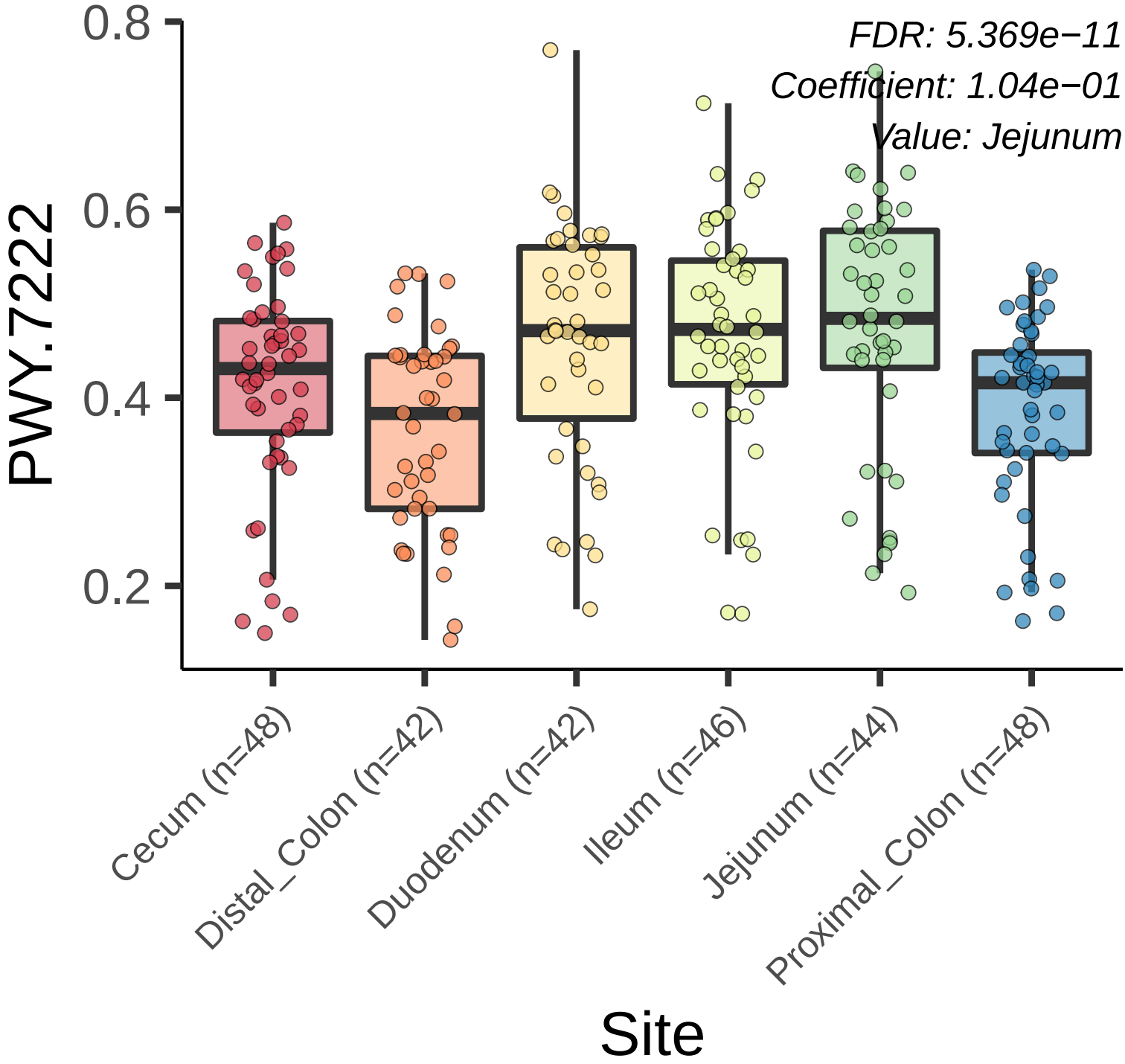

FDR: 2.109e−11
Coefficient: 1.79e−01
Value: Jejunum
PWY.7184
0.75
0.50
0.25
0.00
−0.25
−0.50
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

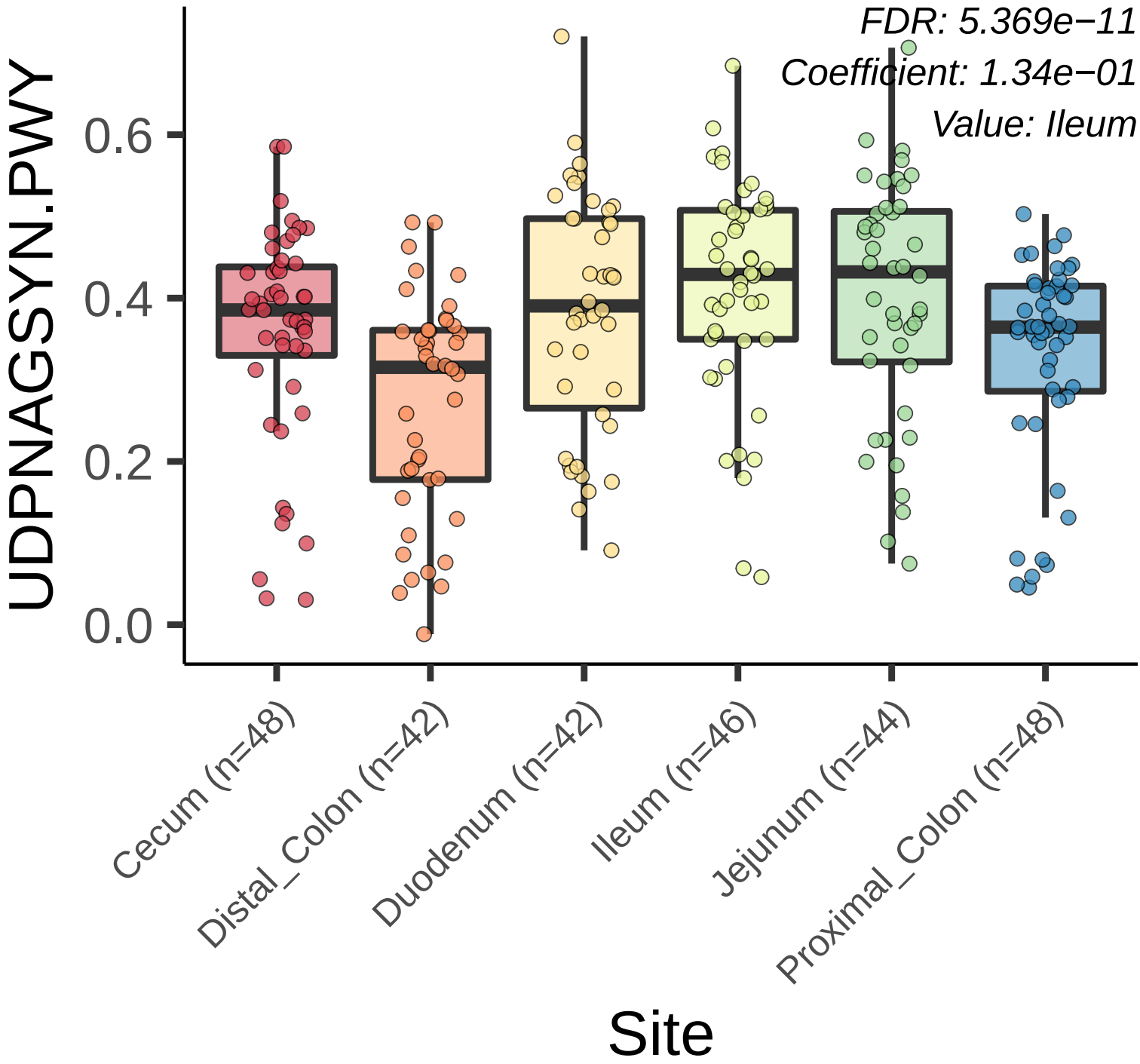

FDR: 2.859e−11
Coefficient: 1.39e−01
Value: Ileum
POLYISOPRENSYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

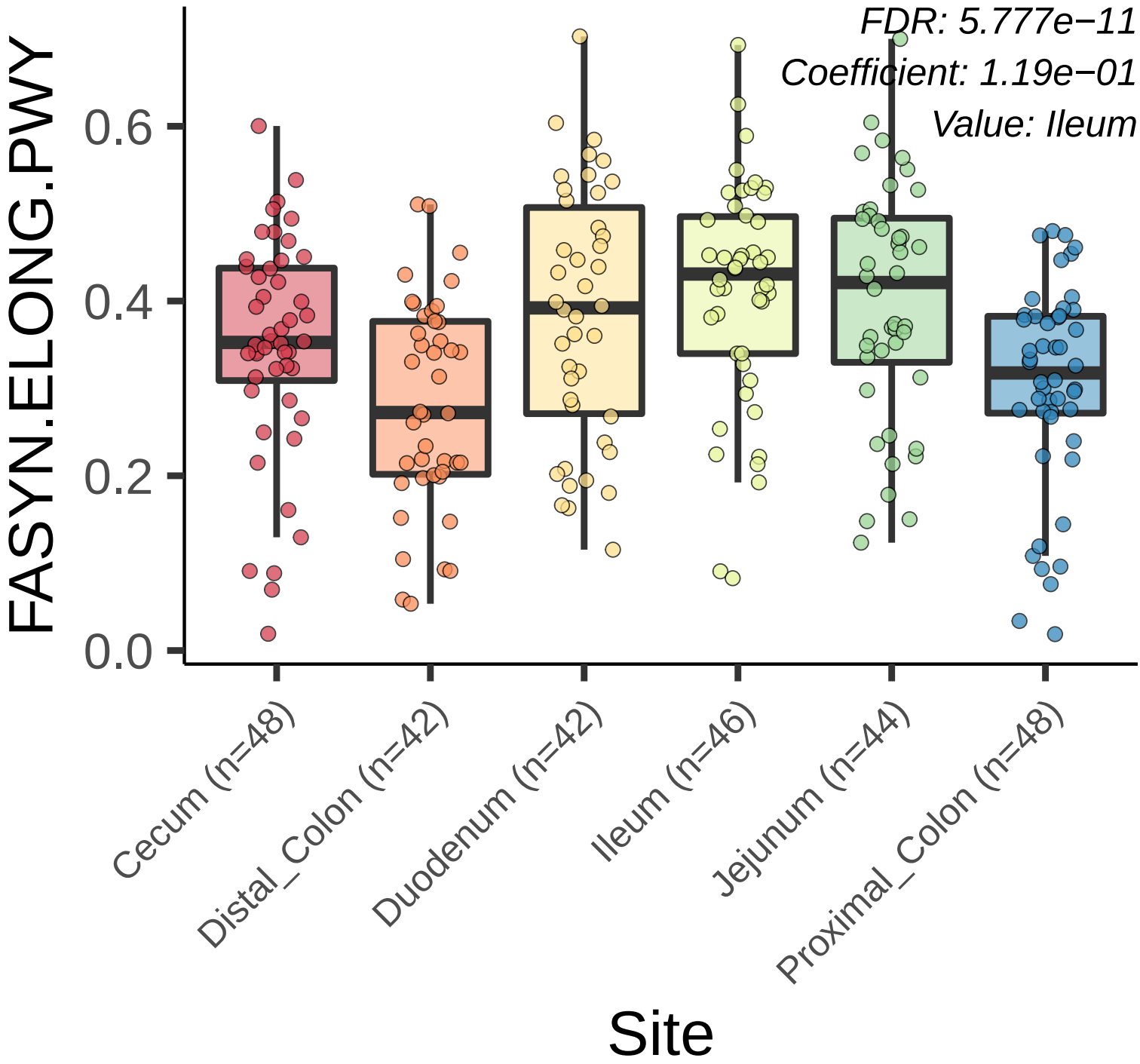

FDR: 4.068e−11
Coefficient: 1.20e−01
Value: Ileum
P441.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

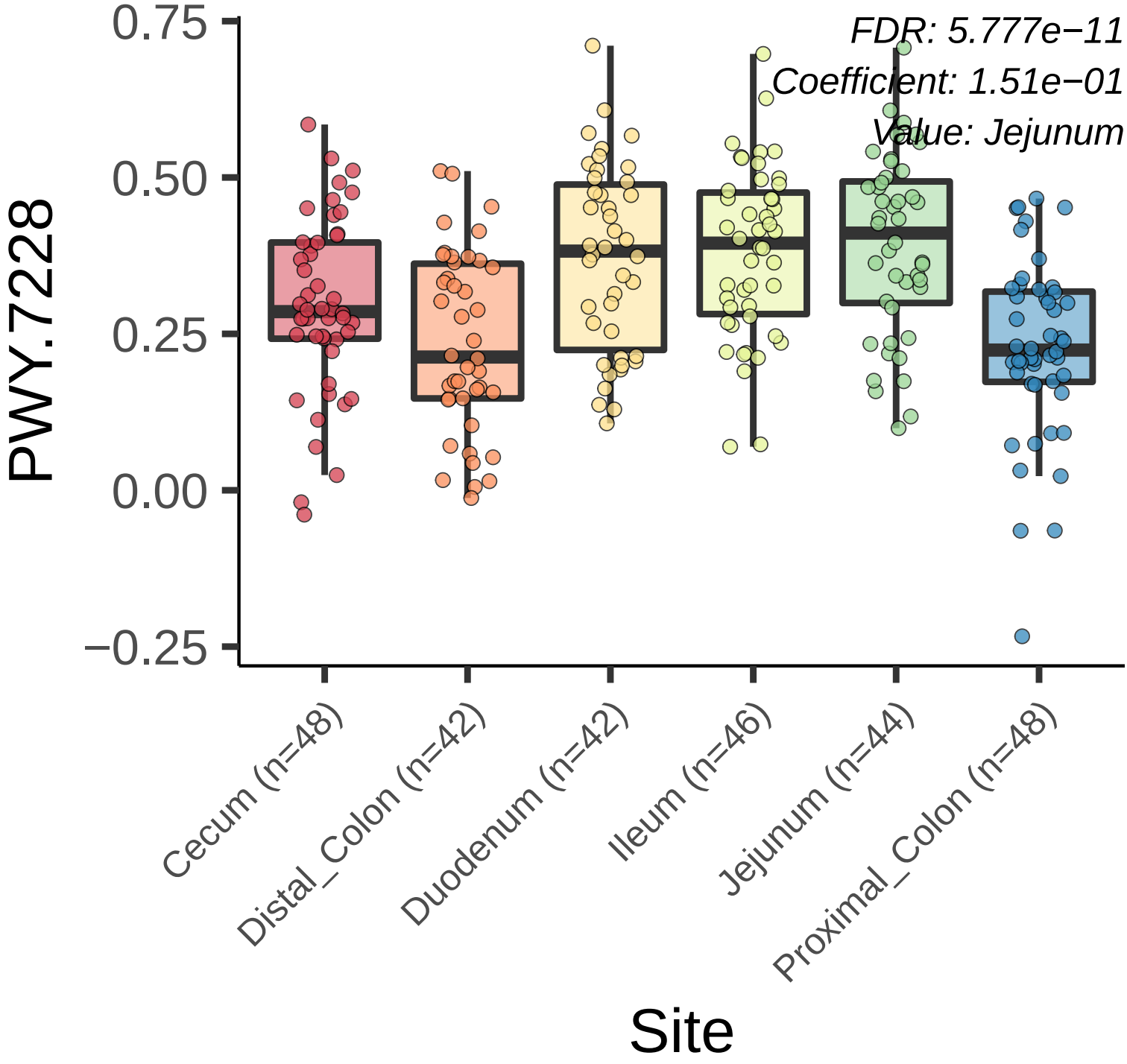

FDR: 5.369e−11
Coefficient: 1.42e−01
Value: Jejunum
PWY.6125
0.75
0.50
0.25
0.00
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

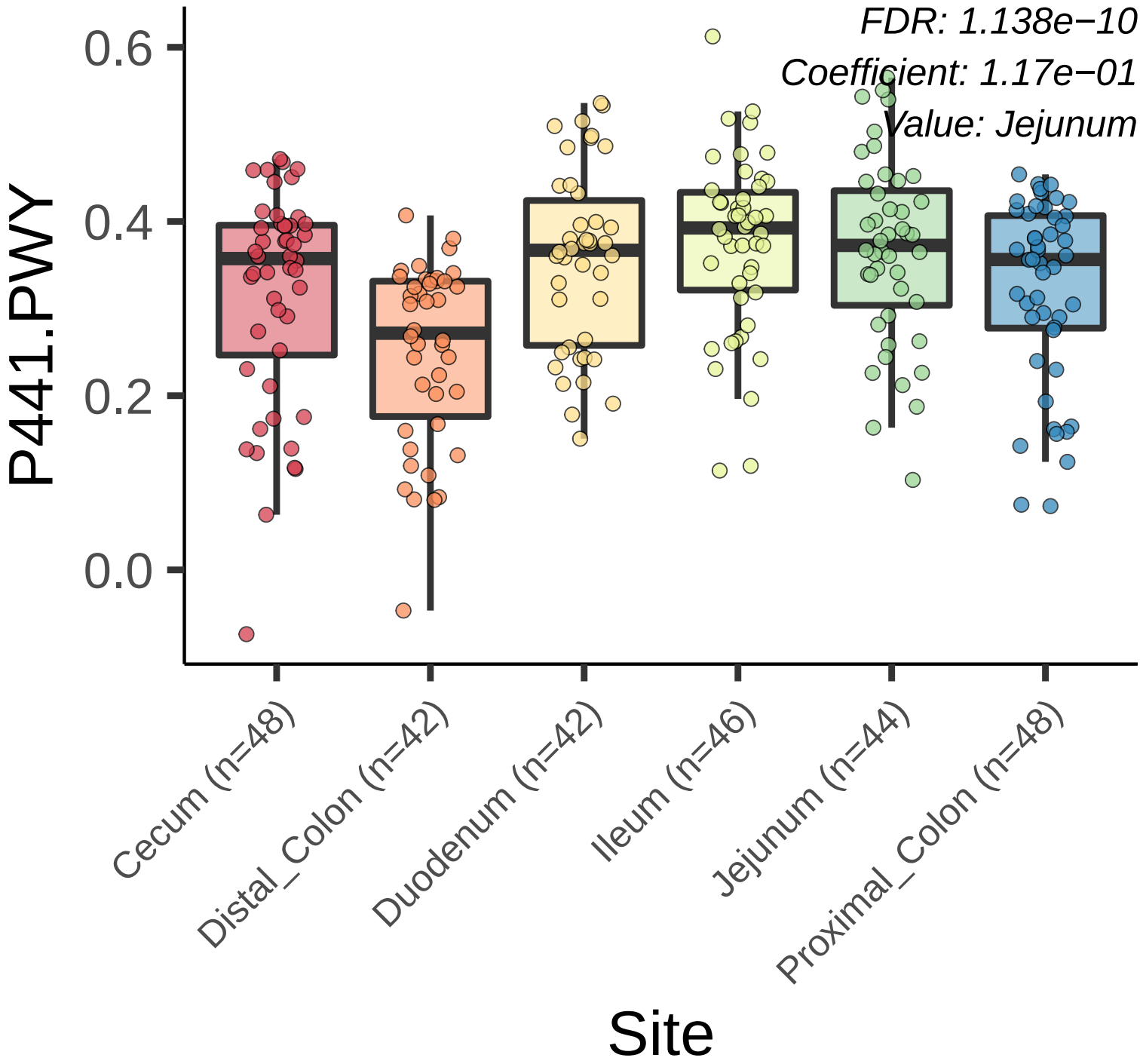

FDR: 5.369e−11
Coefficient: 1.04e−01
Value: Jejunum
PWY.7220
0.8
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

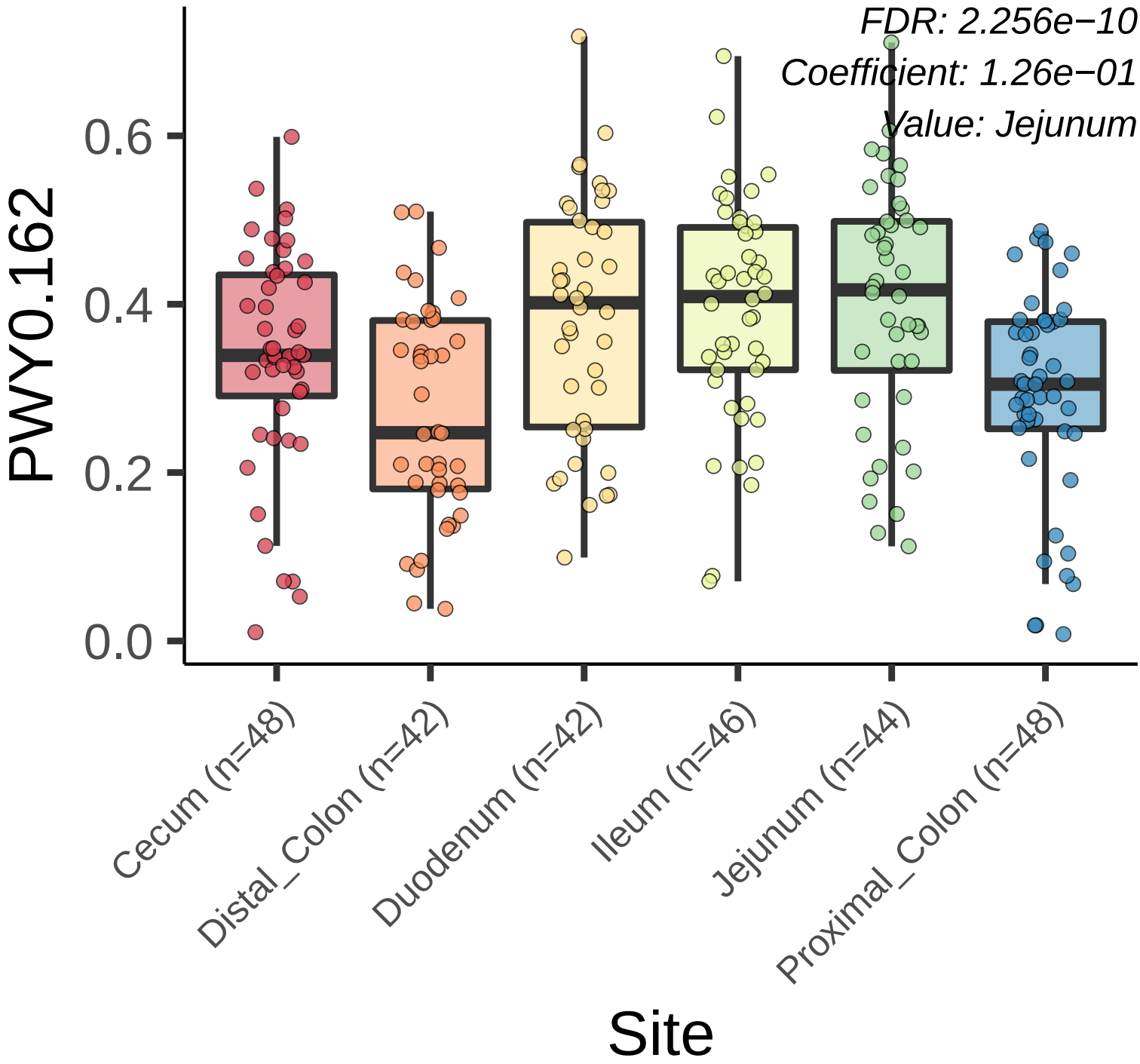

FDR: 5.369e−11
Coefficient: 1.04e−01
Value: Jejunum
PWY.7222
0.8
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

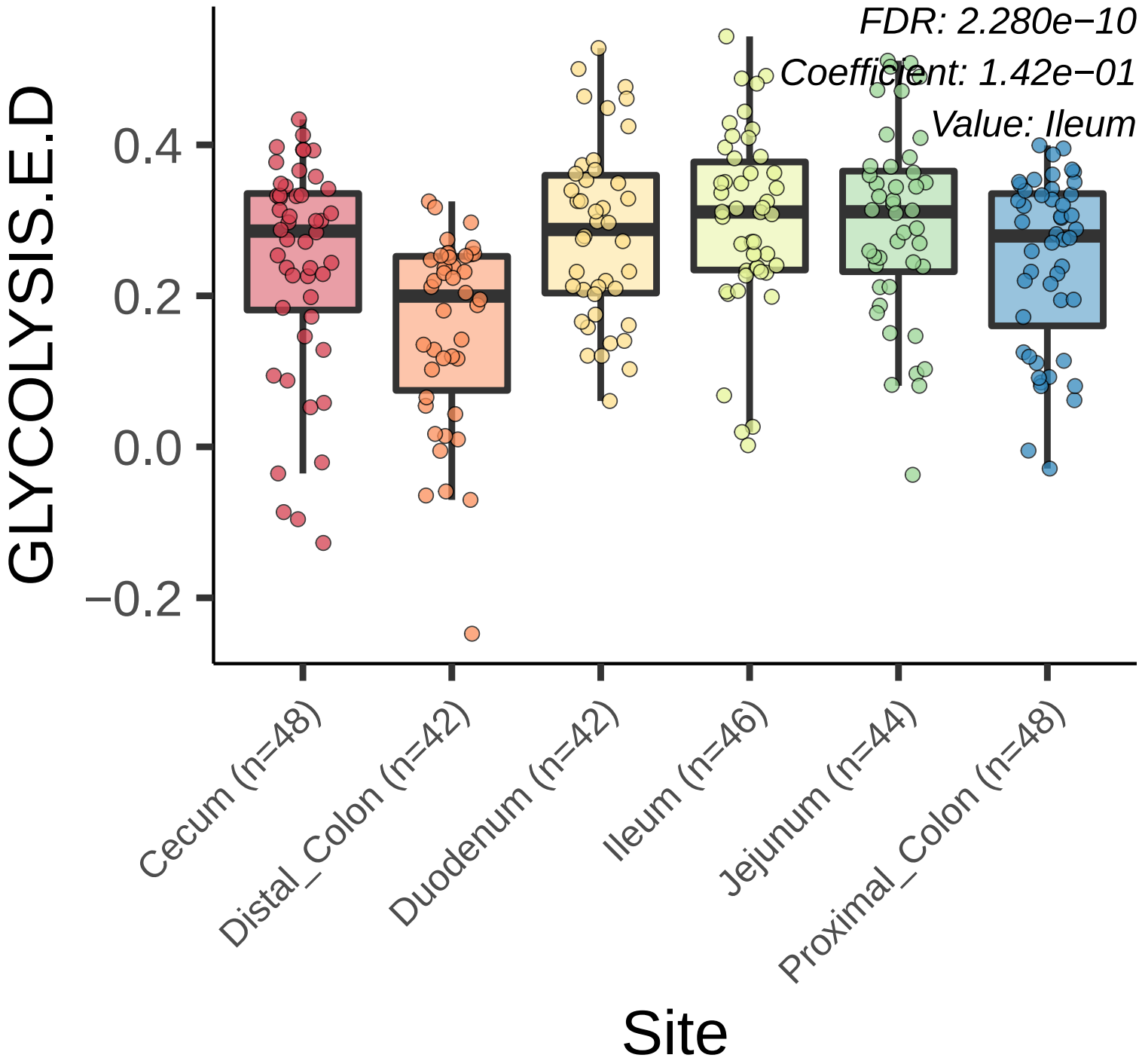

FDR: 5.369e−11
Coefficient: 1.34e−01
Value: Ileum
UDPNAGSYN.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

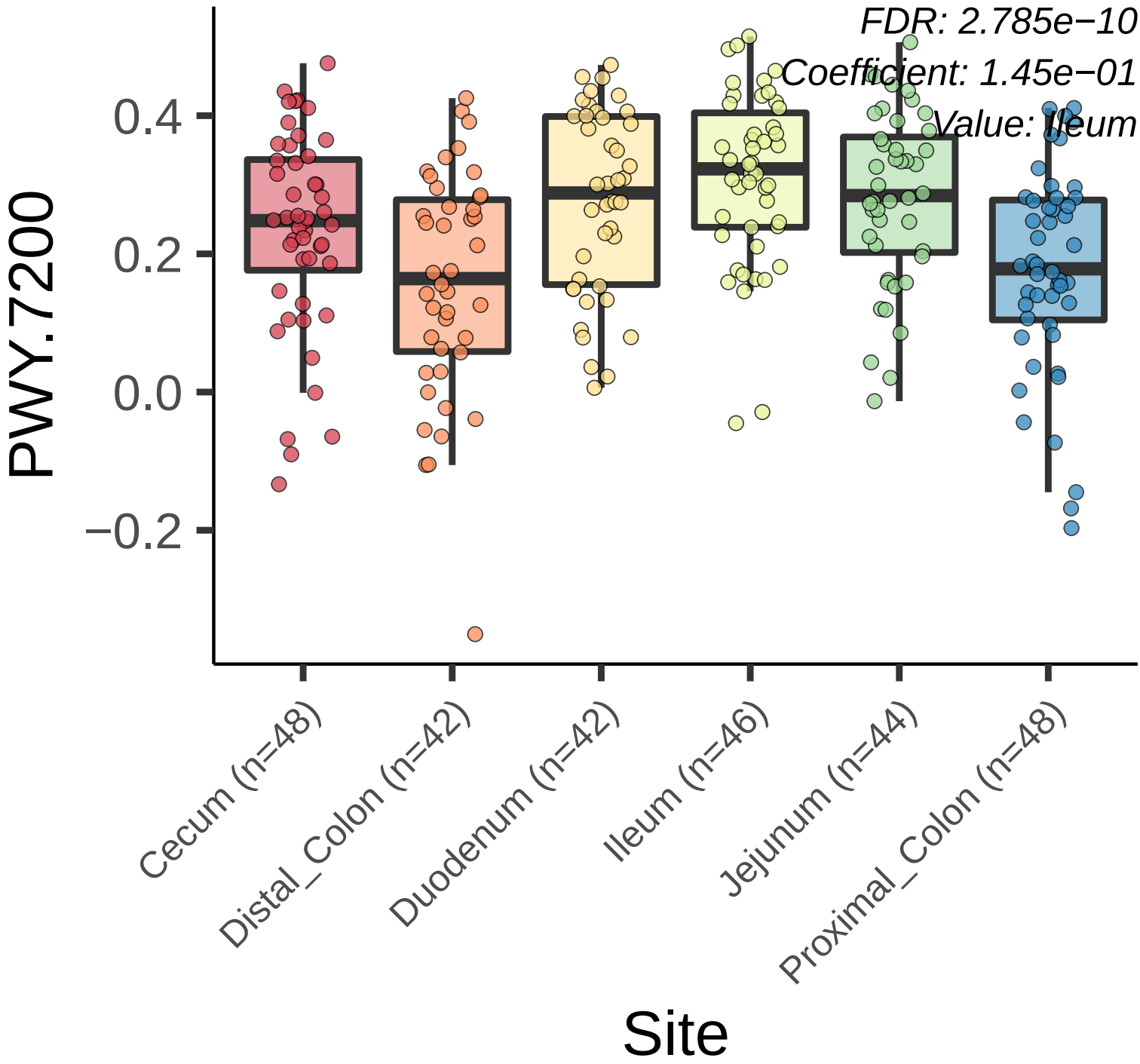

FDR: 5.777e−11
Coefficient: 1.19e−01
Value: Ileum
FASYN.ELONG.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

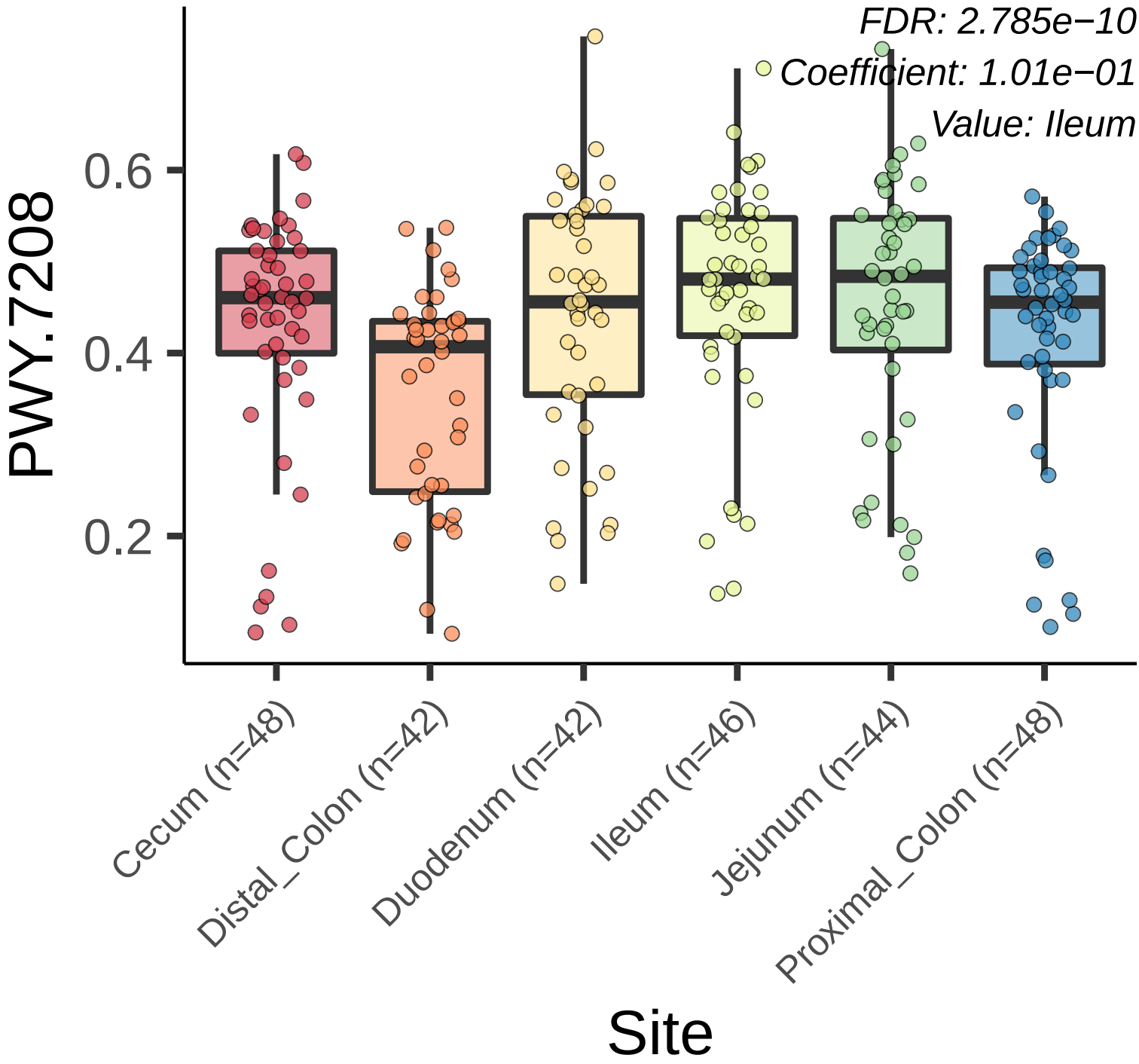

FDR: 5.777e−11
Coefficient: 1.51e−01
Value: Jejunum
PWY.7228
0.75
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

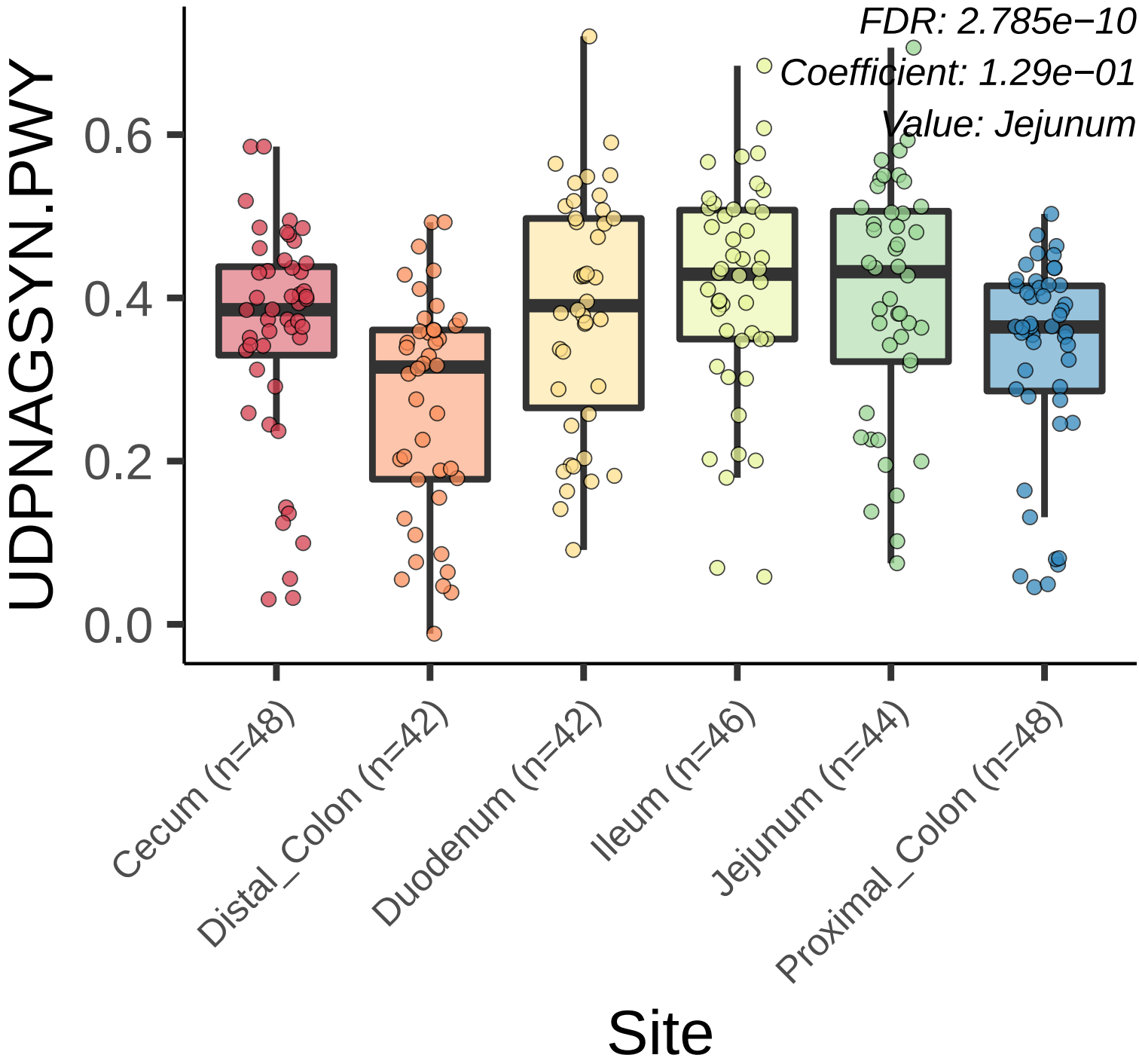

FDR: 1.138e−10
Coefficient: 1.17e−01
Value: Jejunum
P441.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

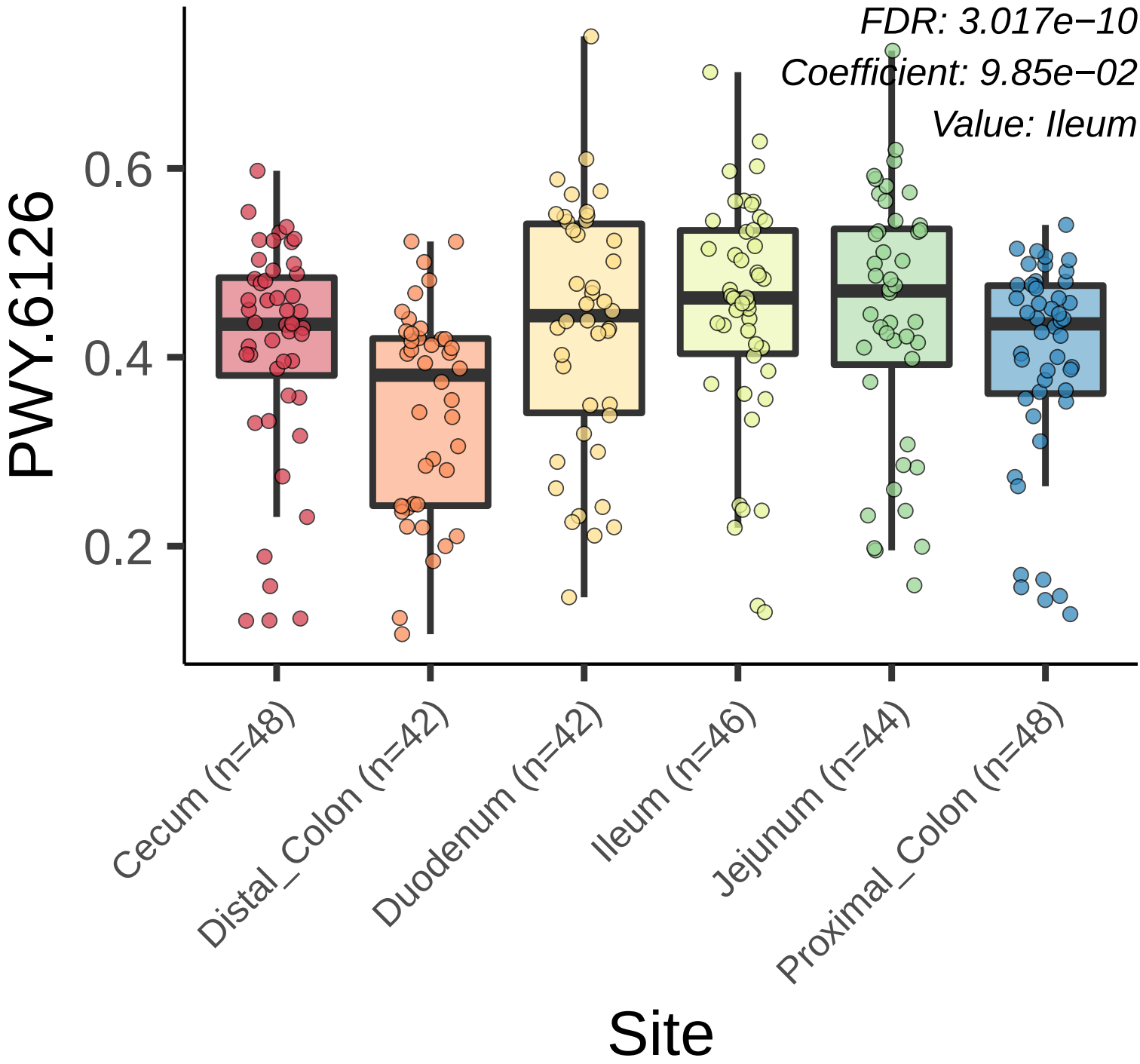

FDR: 2.256e−10
Coefficient: 1.26e−01
Value: Jejunum
PWY0.162
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

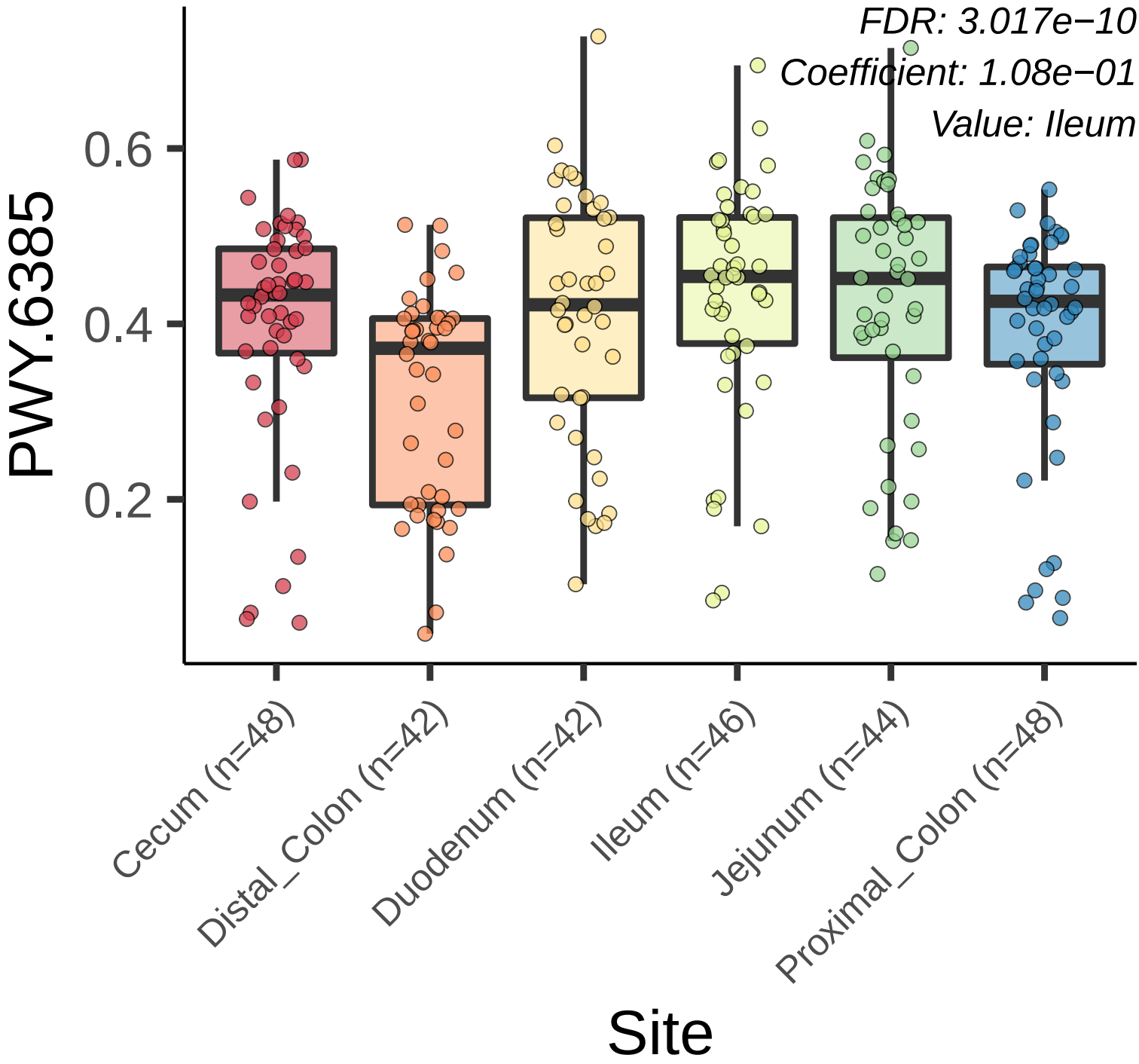

FDR: 2.280e−10
Coefficient: 1.42e−01
Value: Ileum
GLYCOLYSIS.E.D
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

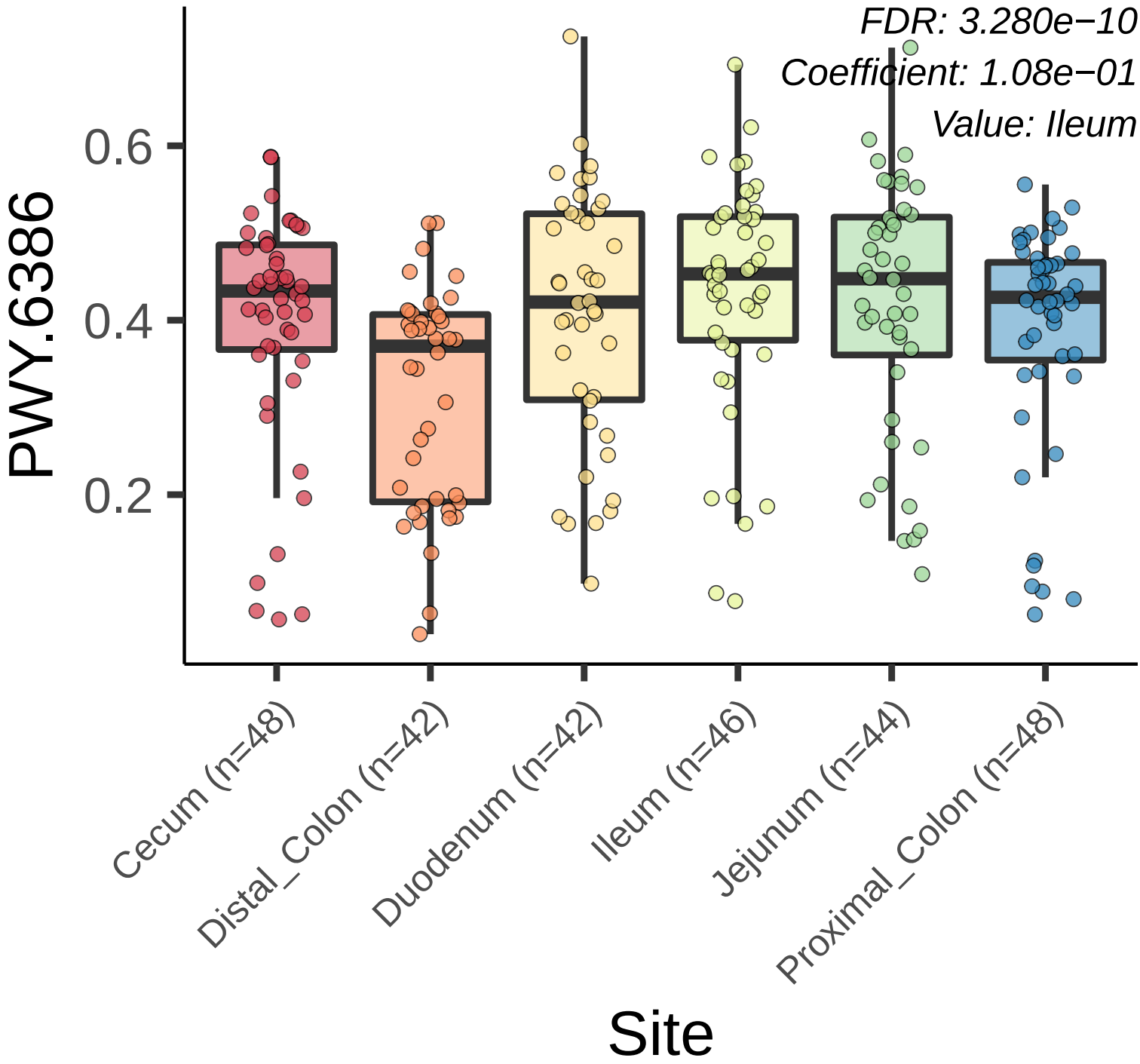

FDR: 2.785e−10
Coefficient: 1.45e−01
Value: Ileum
PWY.7200
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

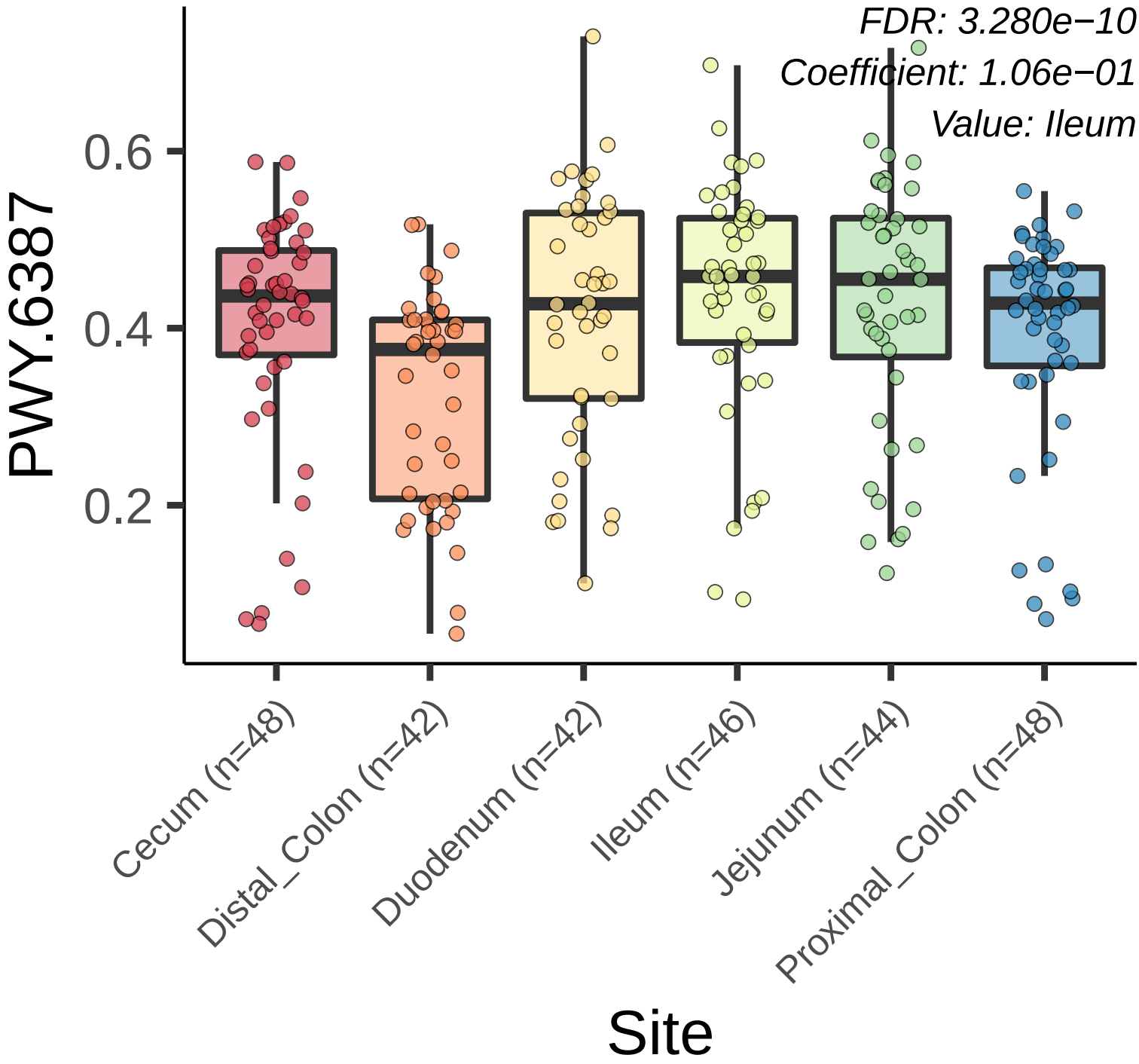

FDR: 2.785e−10
Coefficient: 1.01e−01
Value: Ileum
PWY.7208
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

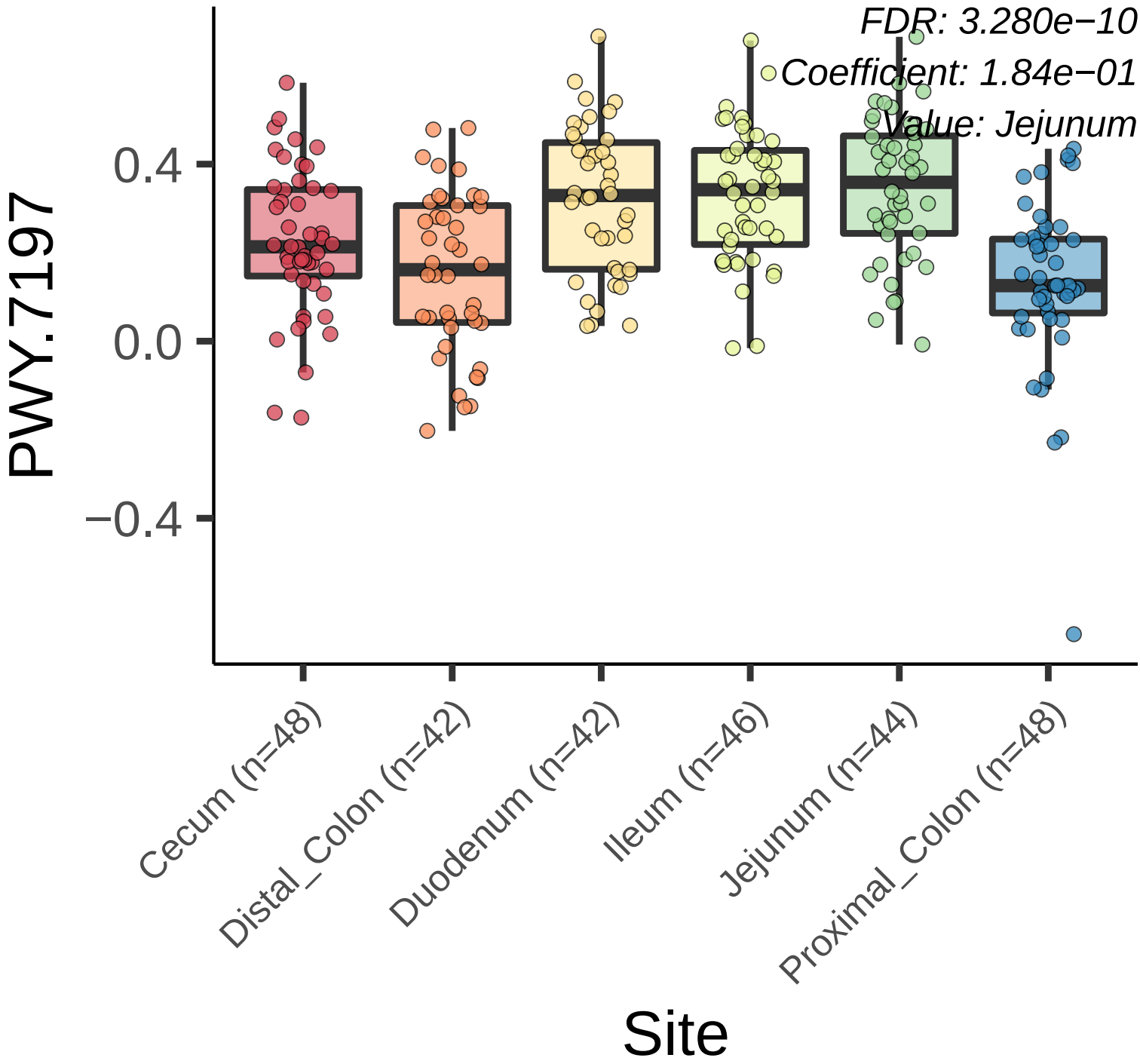

FDR: 2.785e−10
Coefficient: 1.29e−01
Value: Jejunum
UDPNAGSYN.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

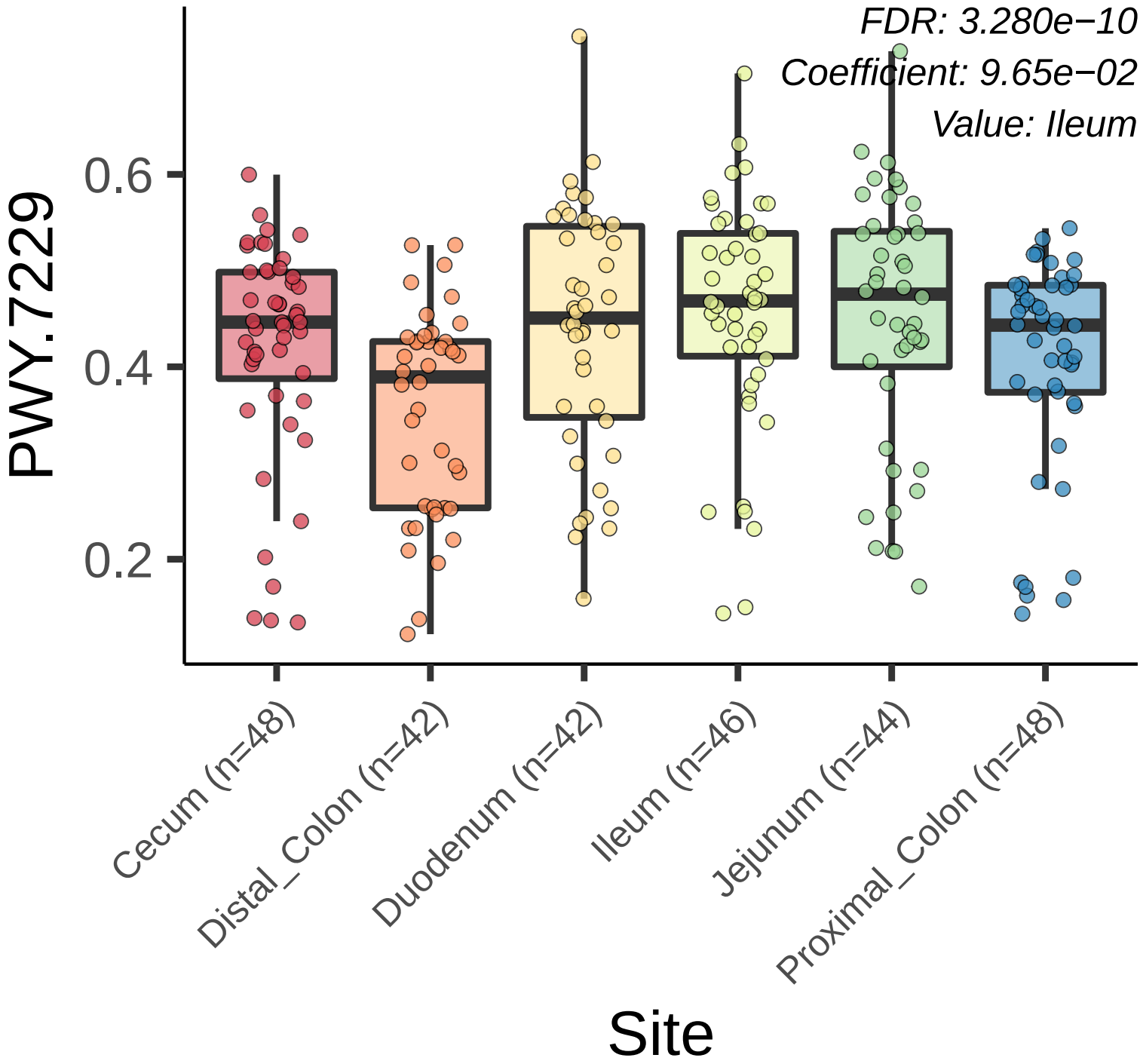

FDR: 3.017e−10
Coefficient: 9.85e−02
Value: Ileum
PWY.6126
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

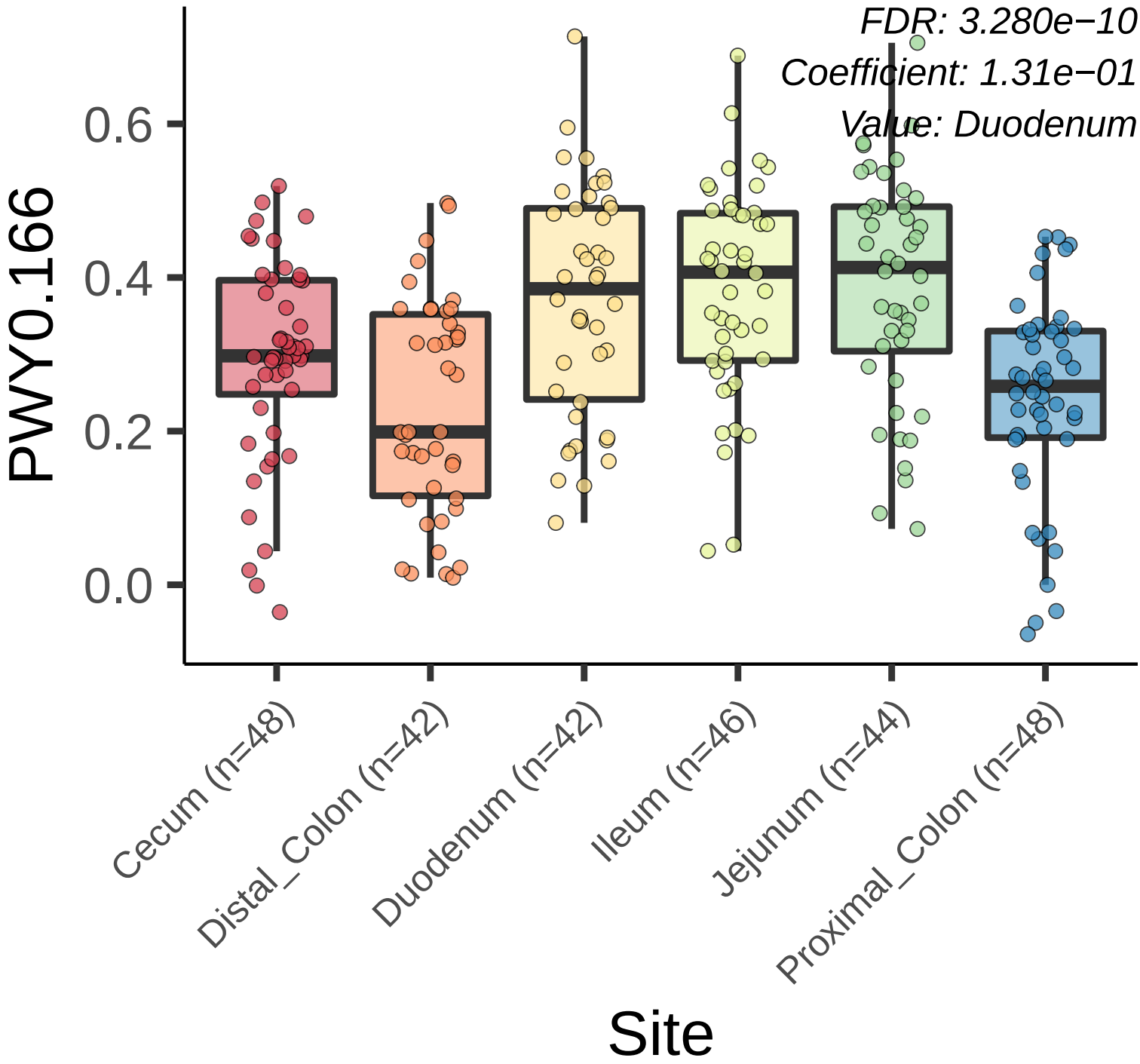

FDR: 3.017e−10
Coefficient: 1.08e−01
Value: Ileum
PWY.6385
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

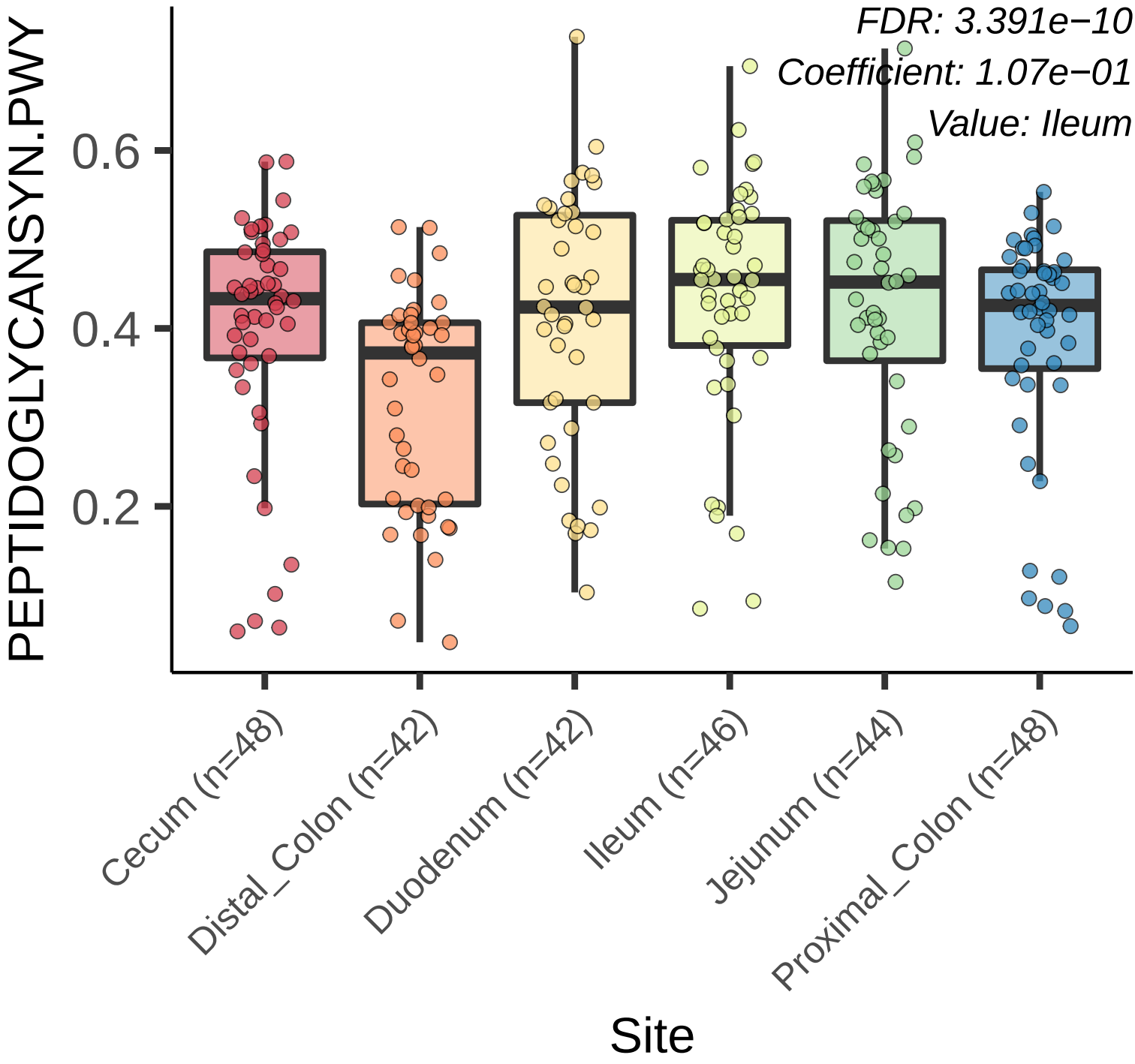

FDR: 3.280e−10
Coefficient: 1.08e−01
Value: Ileum
PWY.6386
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

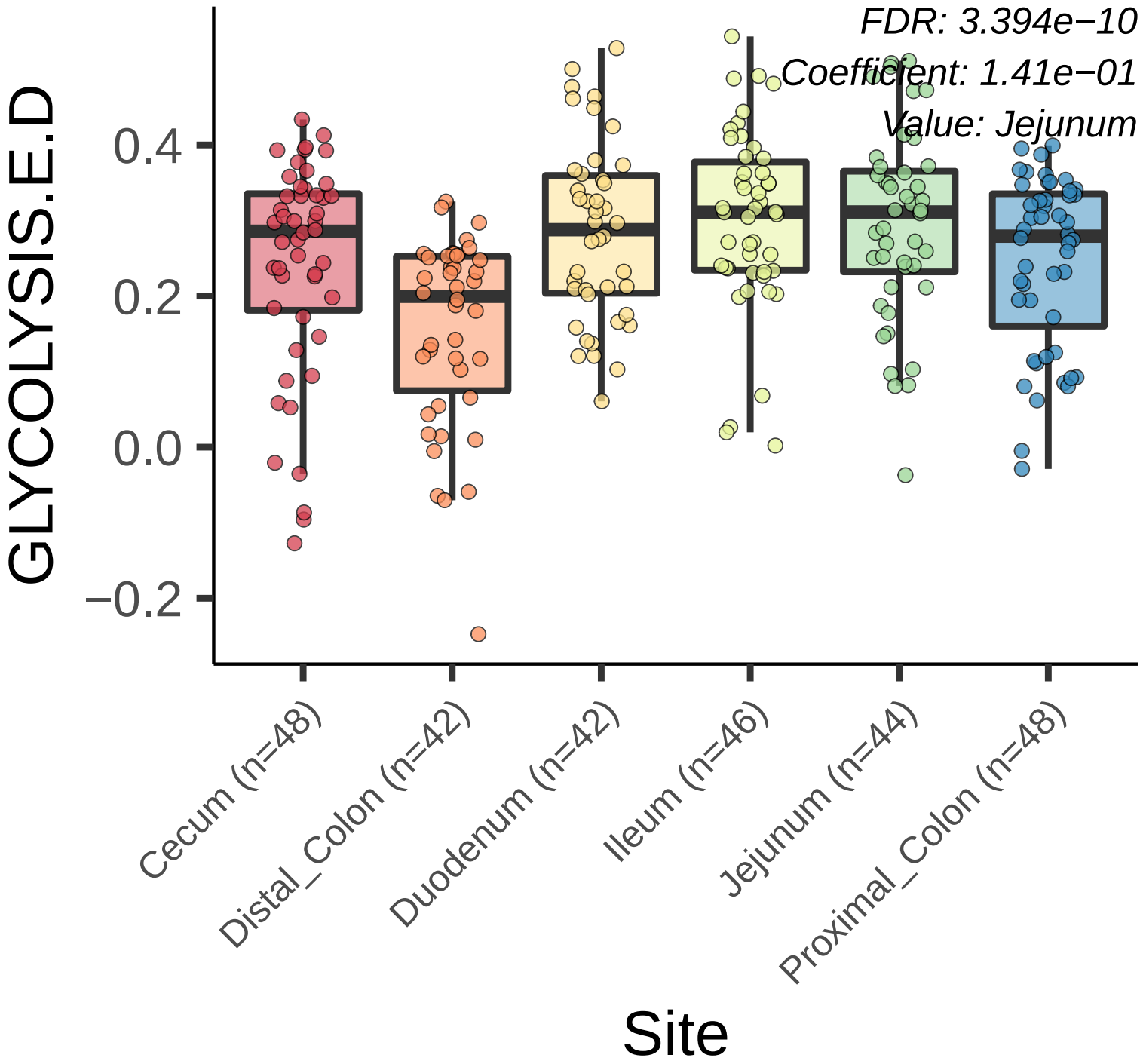

FDR: 3.280e−10
Coefficient: 1.06e−01
Value: Ileum
PWY.6387
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

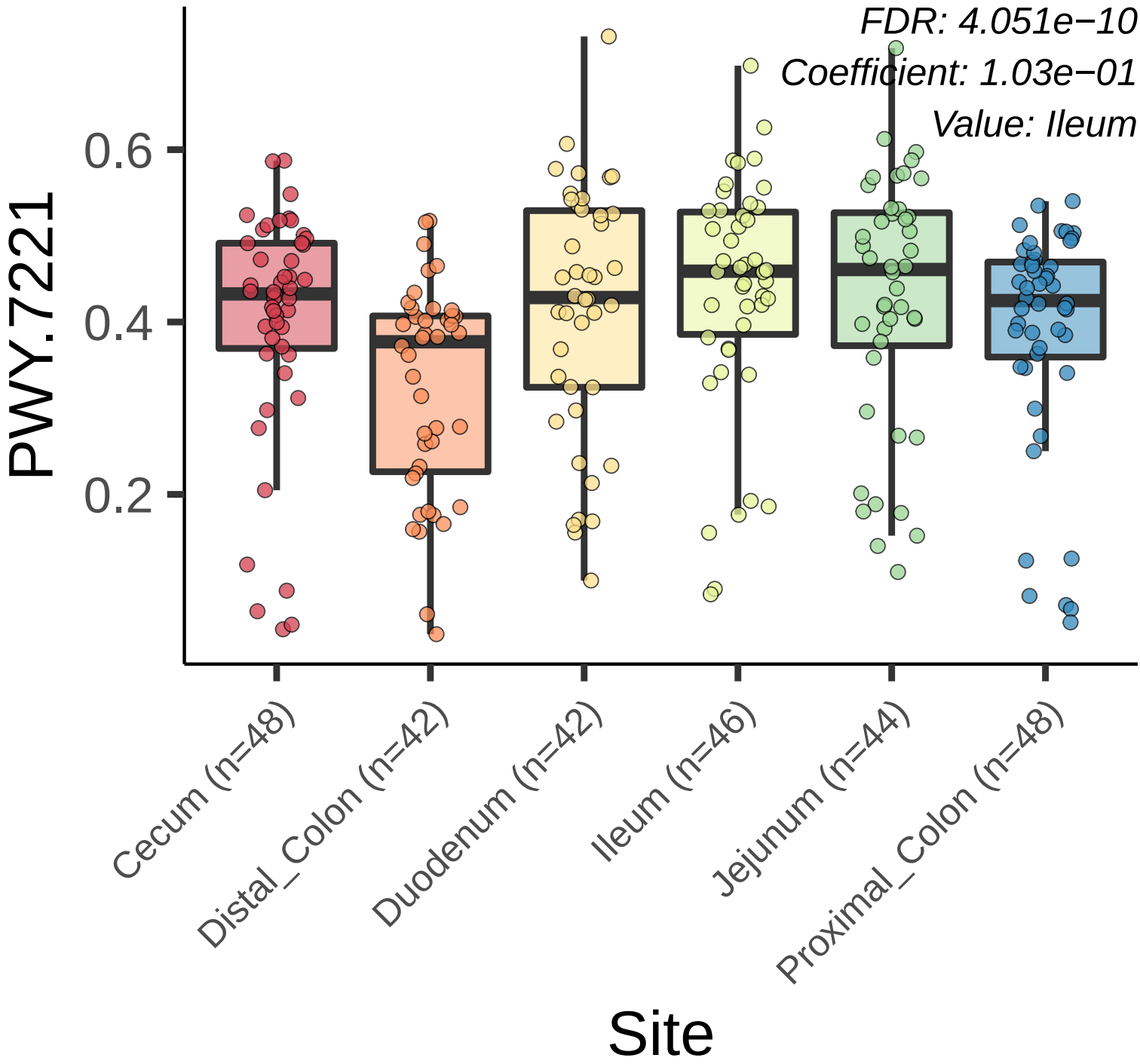

FDR: 3.280e−10
Coefficient: 1.84e−01
Value: Jejunum
PWY.7197
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

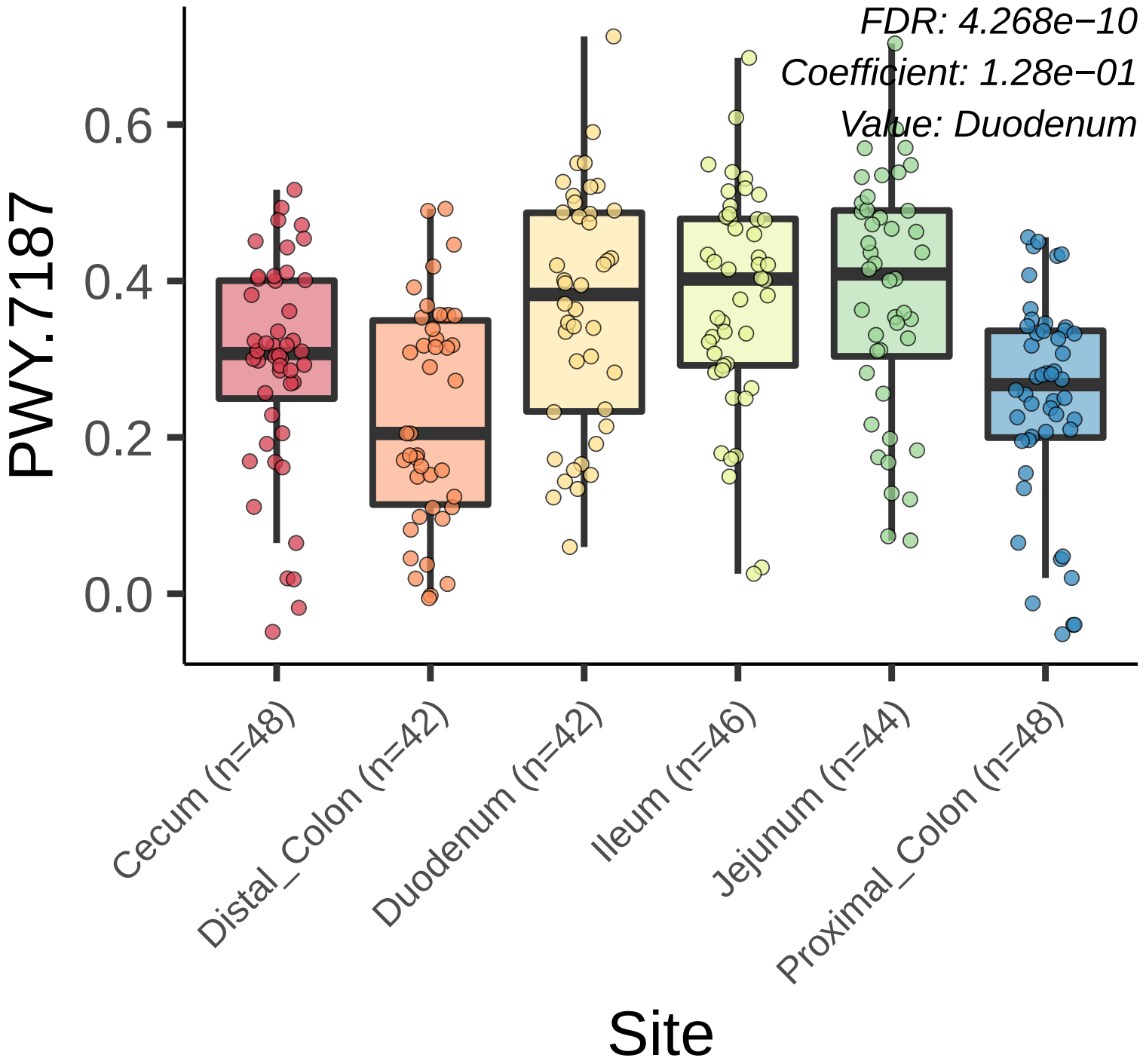

FDR: 3.280e−10
Coefficient: 9.65e−02
Value: Ileum
PWY.7229
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

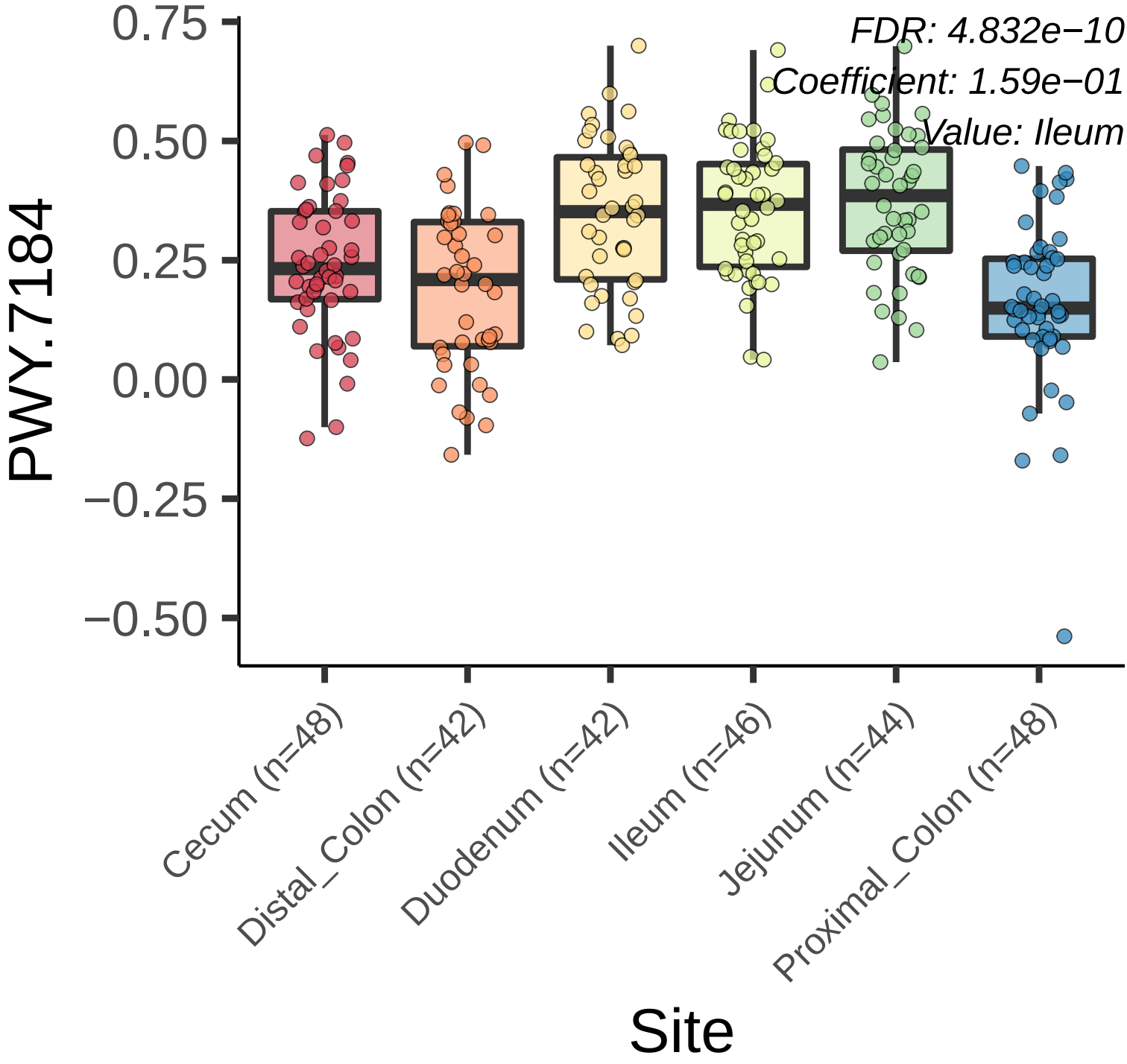

FDR: 3.280e−10
Coefficient: 1.31e−01
Value: Duodenum
PWY0.166
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

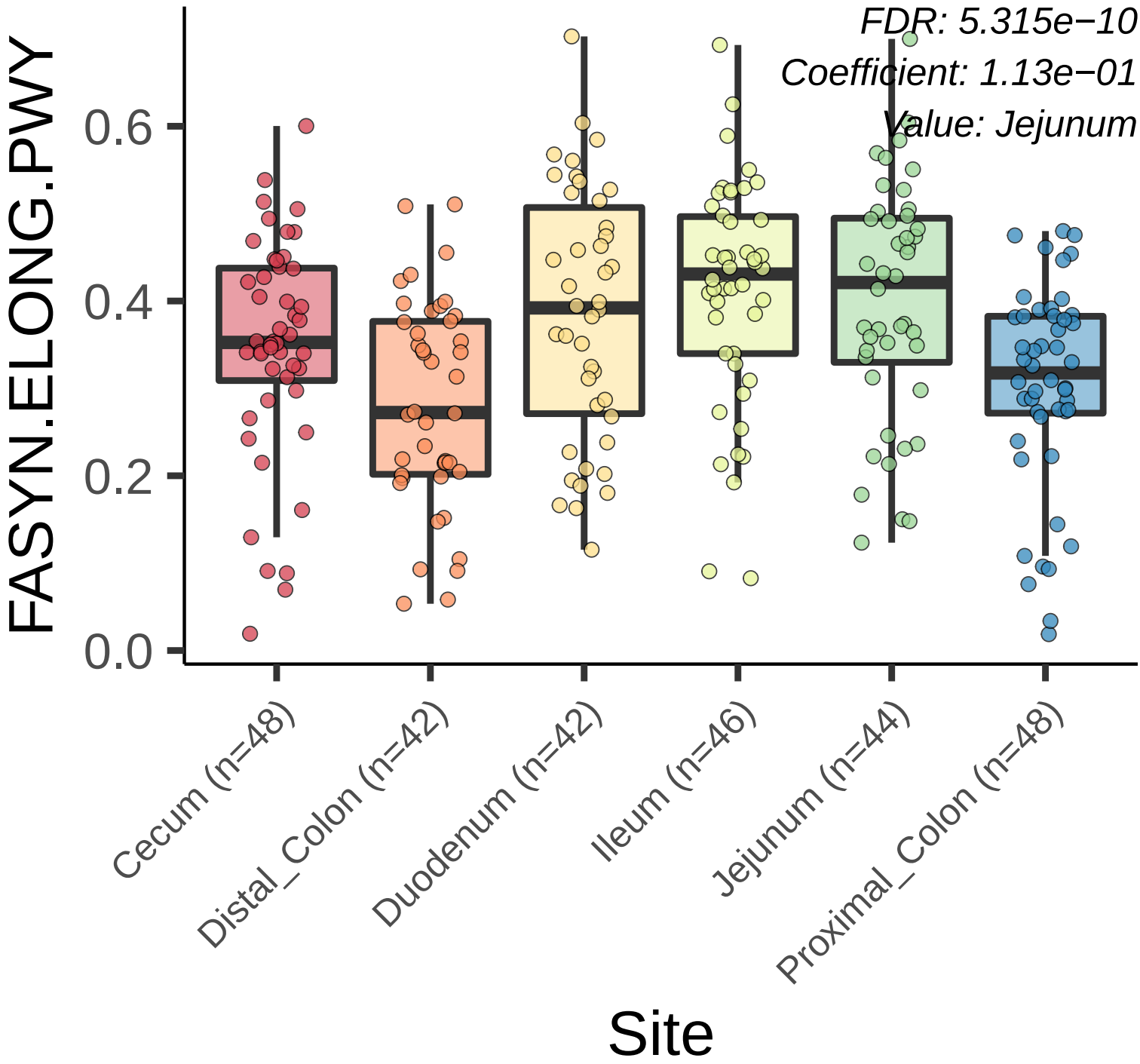

FDR: 3.391e−10
Coefficient: 1.07e−01
Value: Ileum
PEPTIDOGLYCANSYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

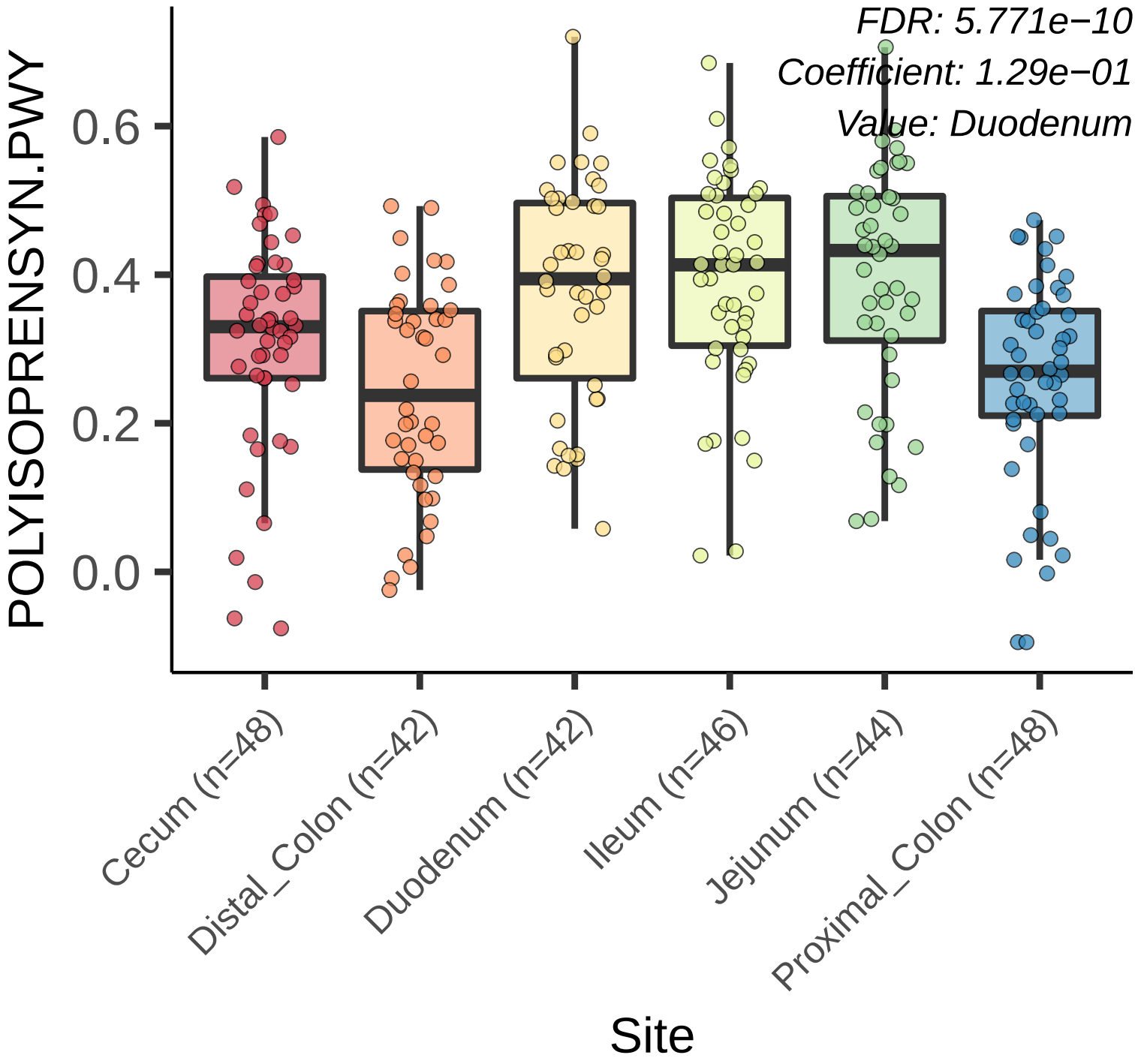

FDR: 3.394e−10
Coefficient: 1.41e−01
Value: Jejunum
GLYCOLYSIS.E.D
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

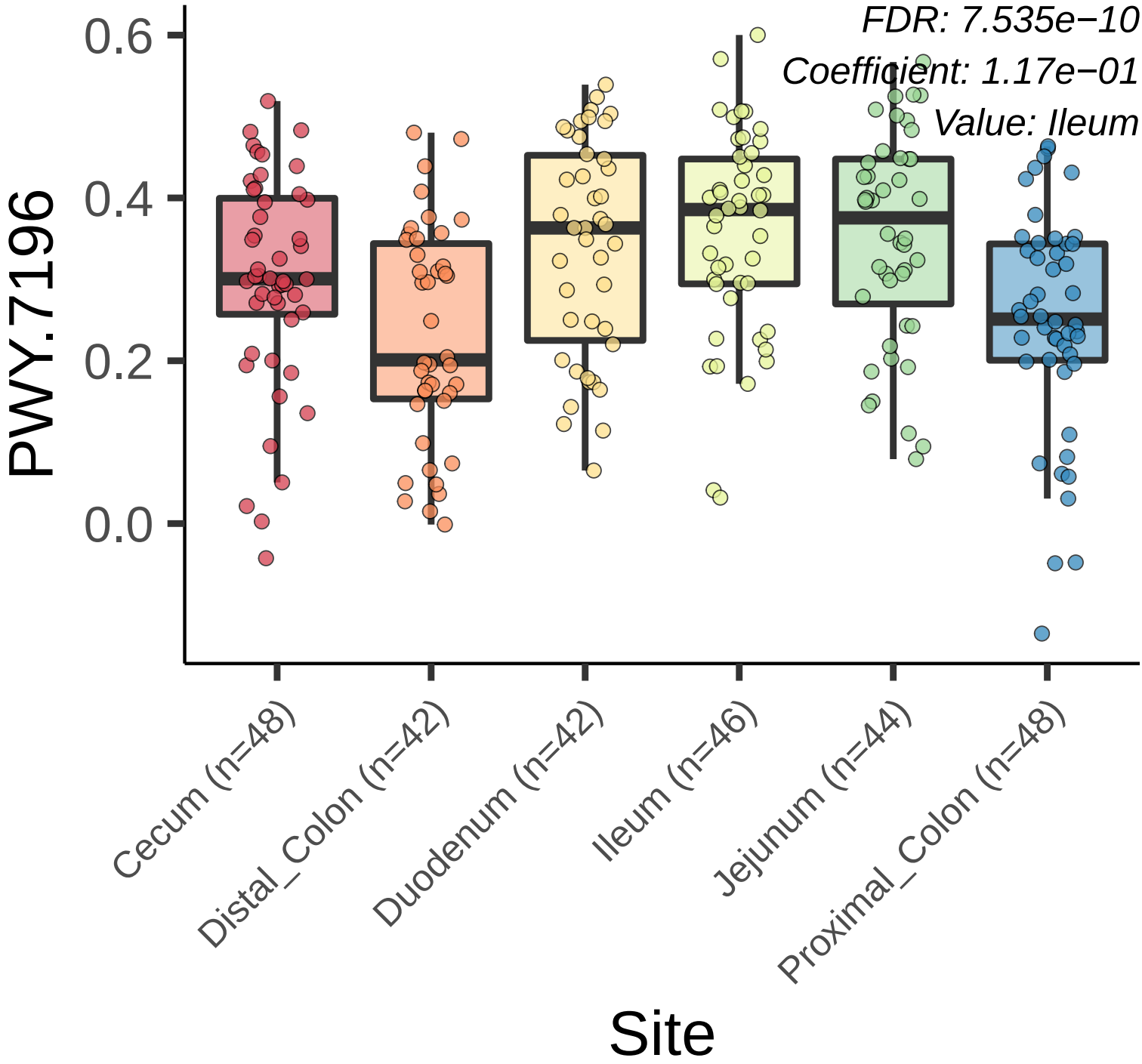

FDR: 4.051e−10
Coefficient: 1.03e−01
Value: Ileum
PWY.7221
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

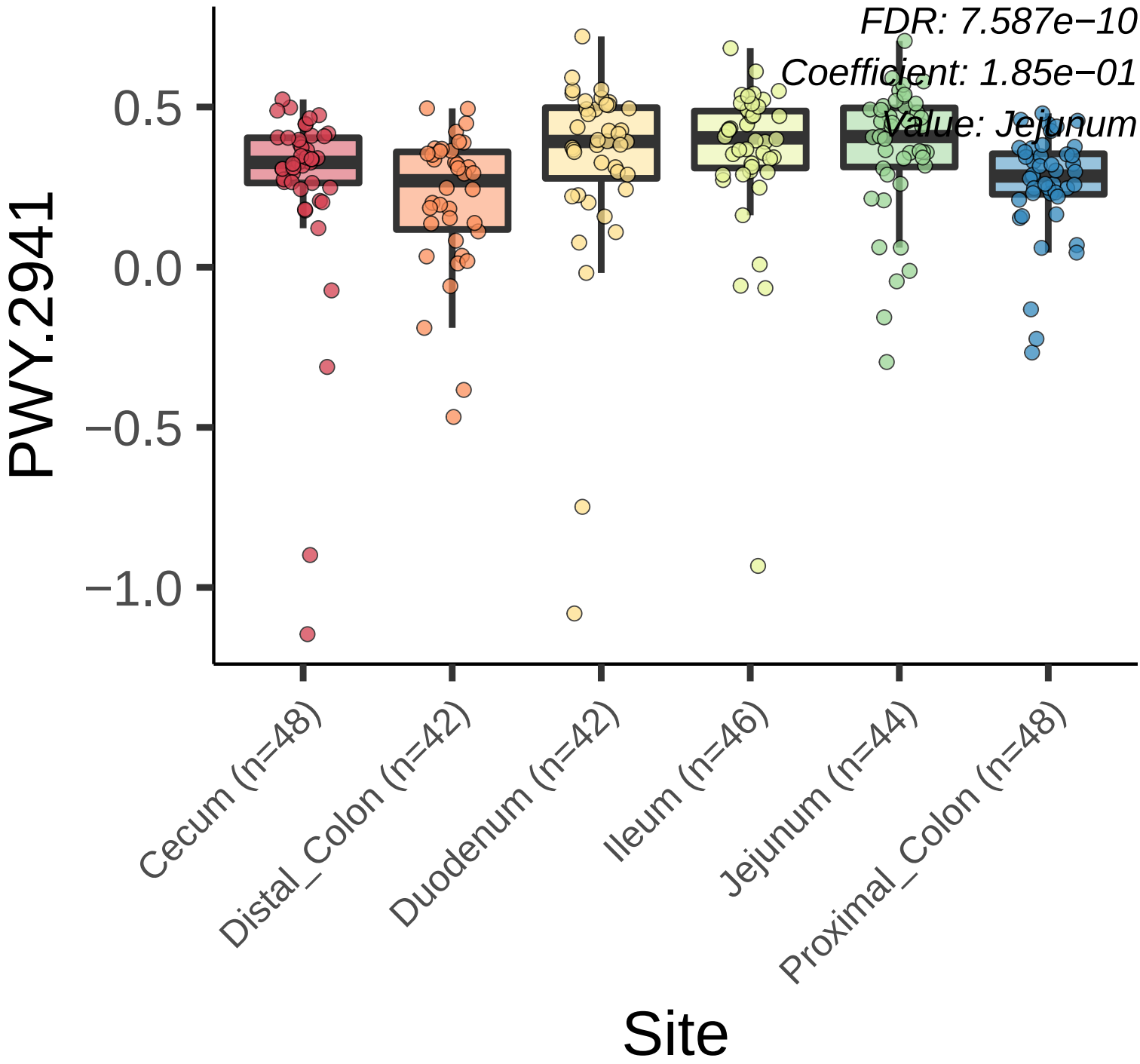

FDR: 4.268e−10
Coefficient: 1.28e−01
Value: Duodenum
PWY.7187
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

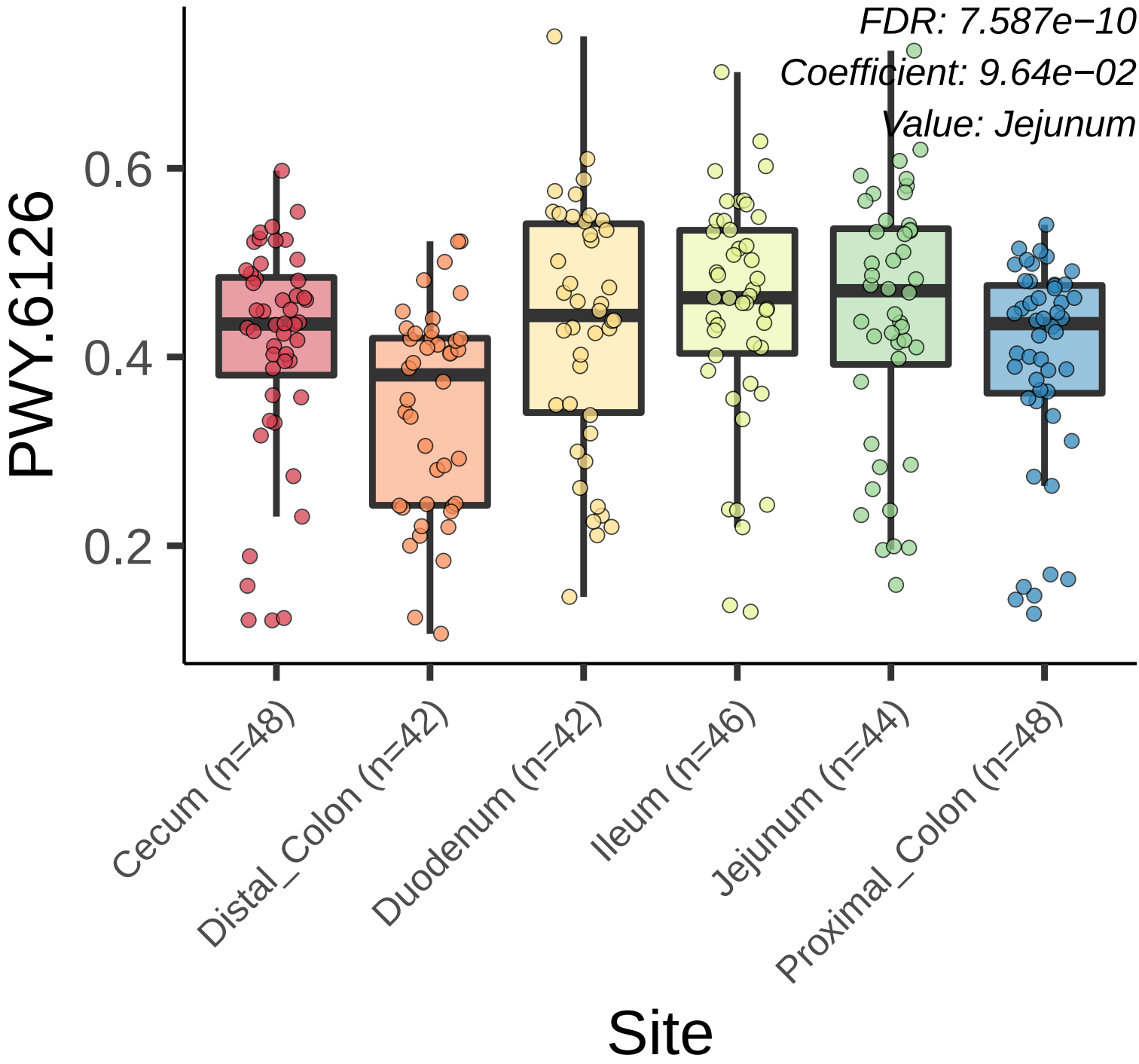

FDR: 4.832e−10
Coefficient: 1.59e−01
Value: Ileum
PWY.7184
0.75
0.50
0.25
0.00
−0.25
−0.50
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

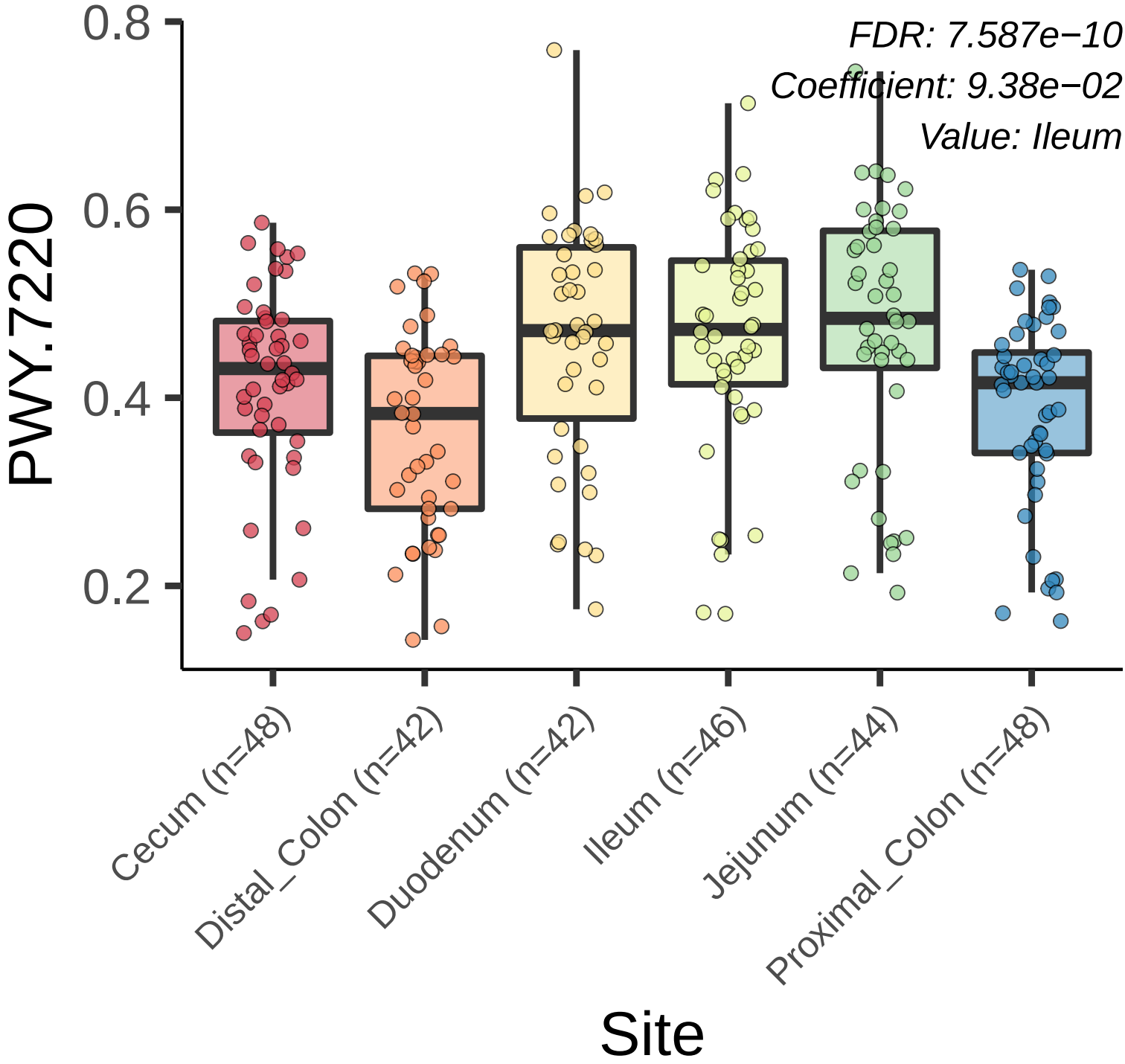

FDR: 5.315e−10
Coefficient: 1.13e−01
Value: Jejunum
FASYN.ELONG.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

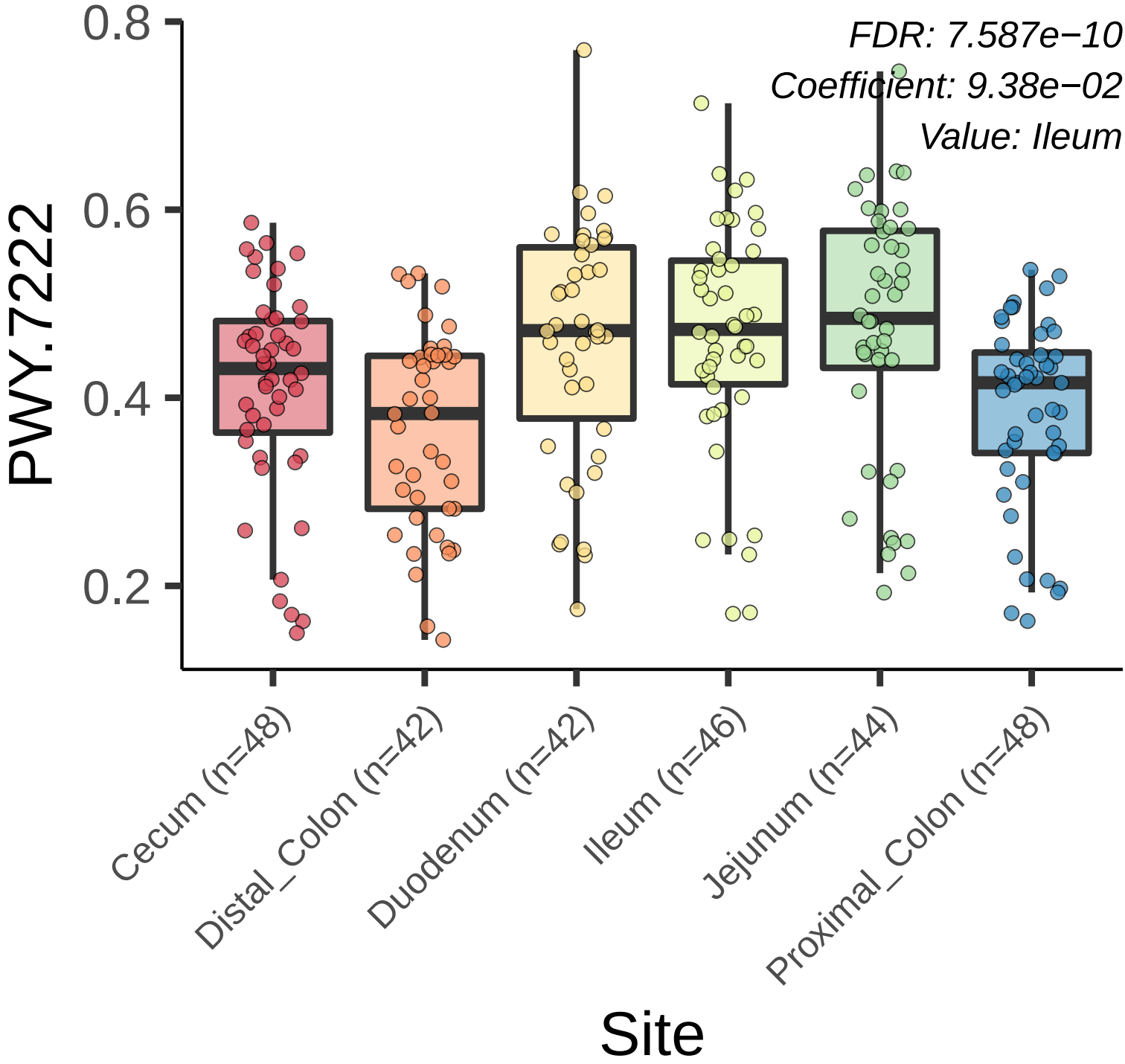

FDR: 5.771e−10
Coefficient: 1.29e−01
Value: Duodenum
POLYISOPRENSYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

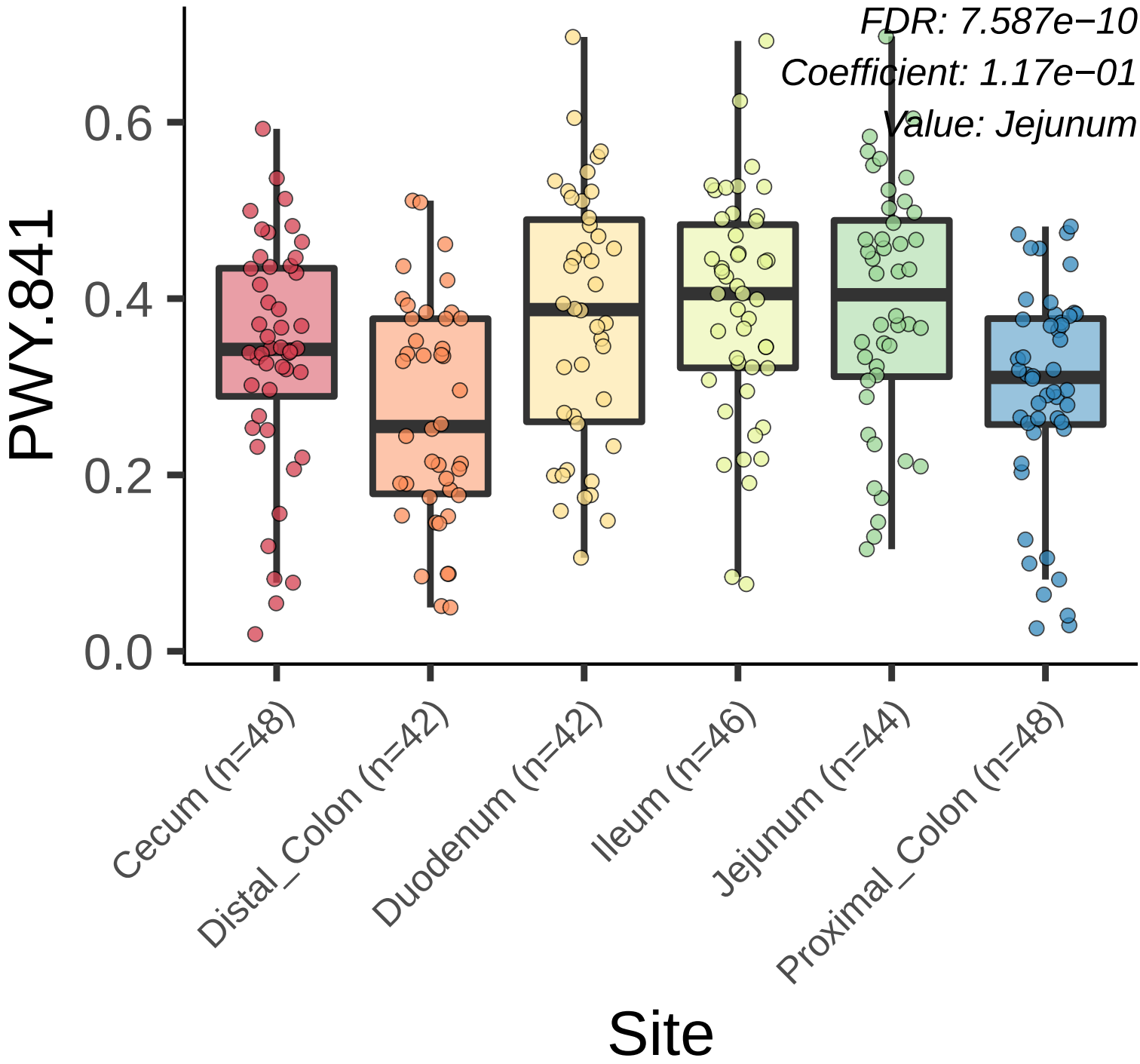

FDR: 7.535e−10
Coefficient: 1.17e−01
Value: Ileum
PWY.7196
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

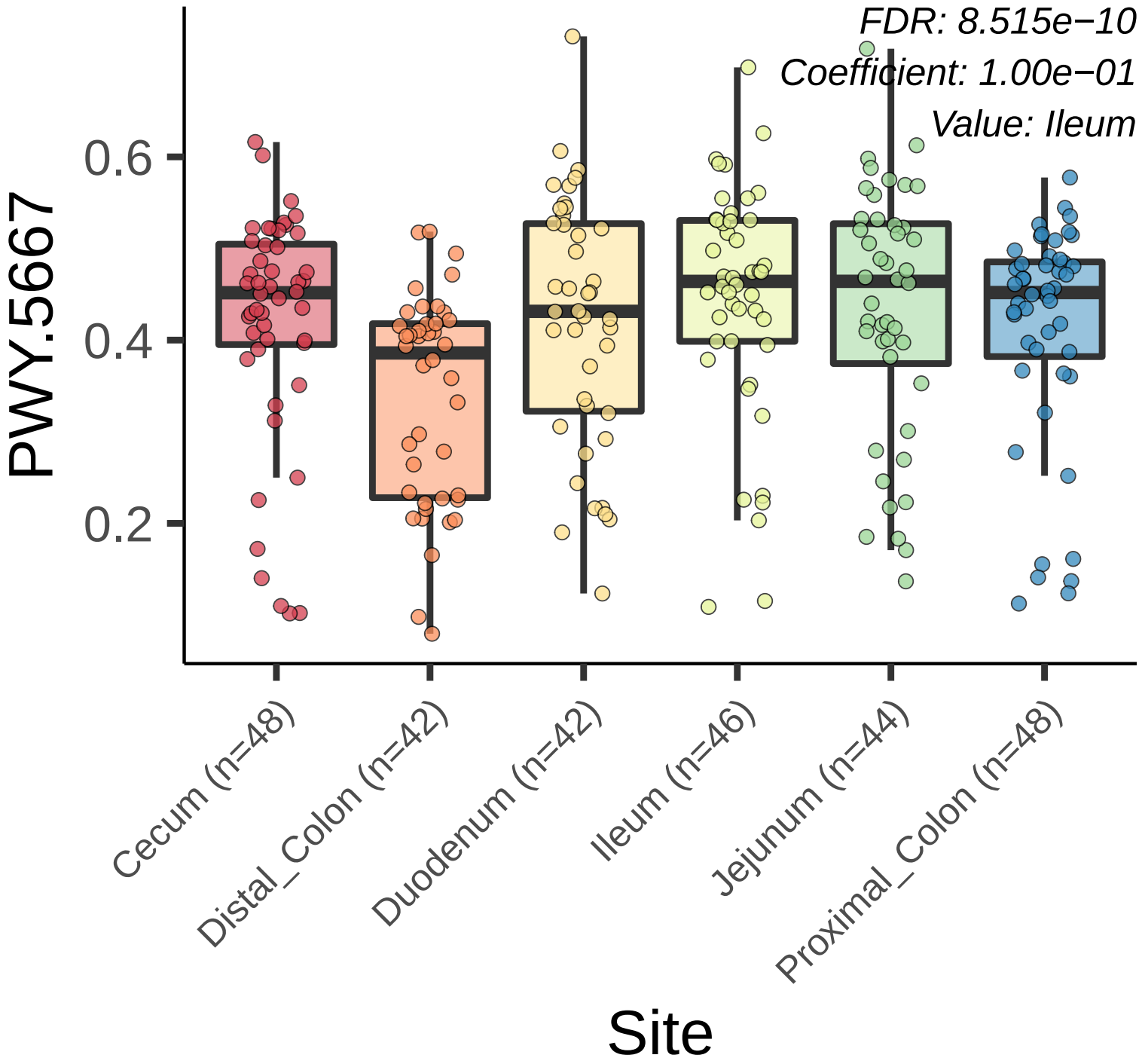

FDR: 7.587e−10
Coefficient: 1.85e−01
Value: Jejunum
PWY.2941
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

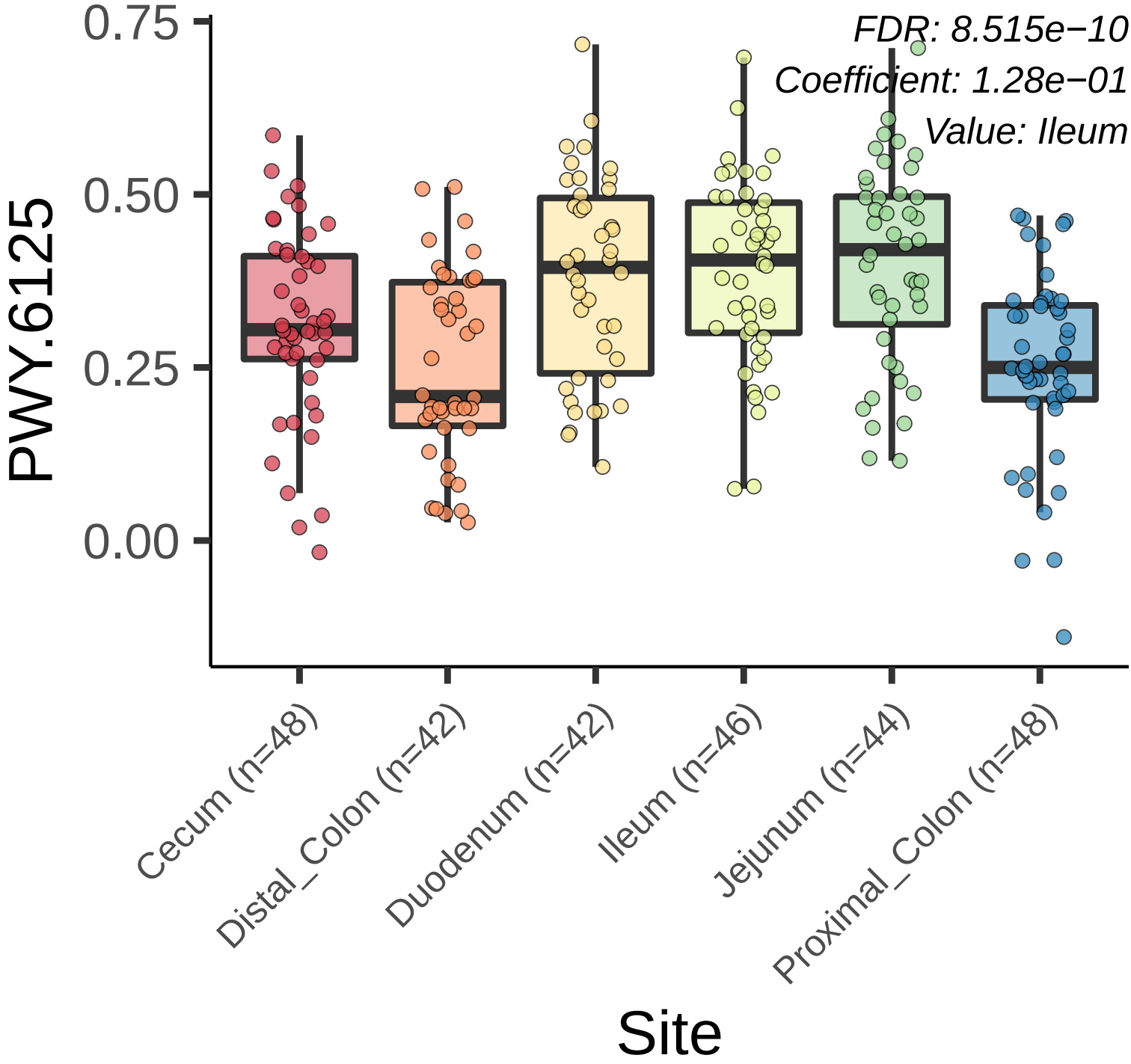

FDR: 7.587e−10
Coefficient: 9.64e−02
Value: Jejunum
PWY.6126
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

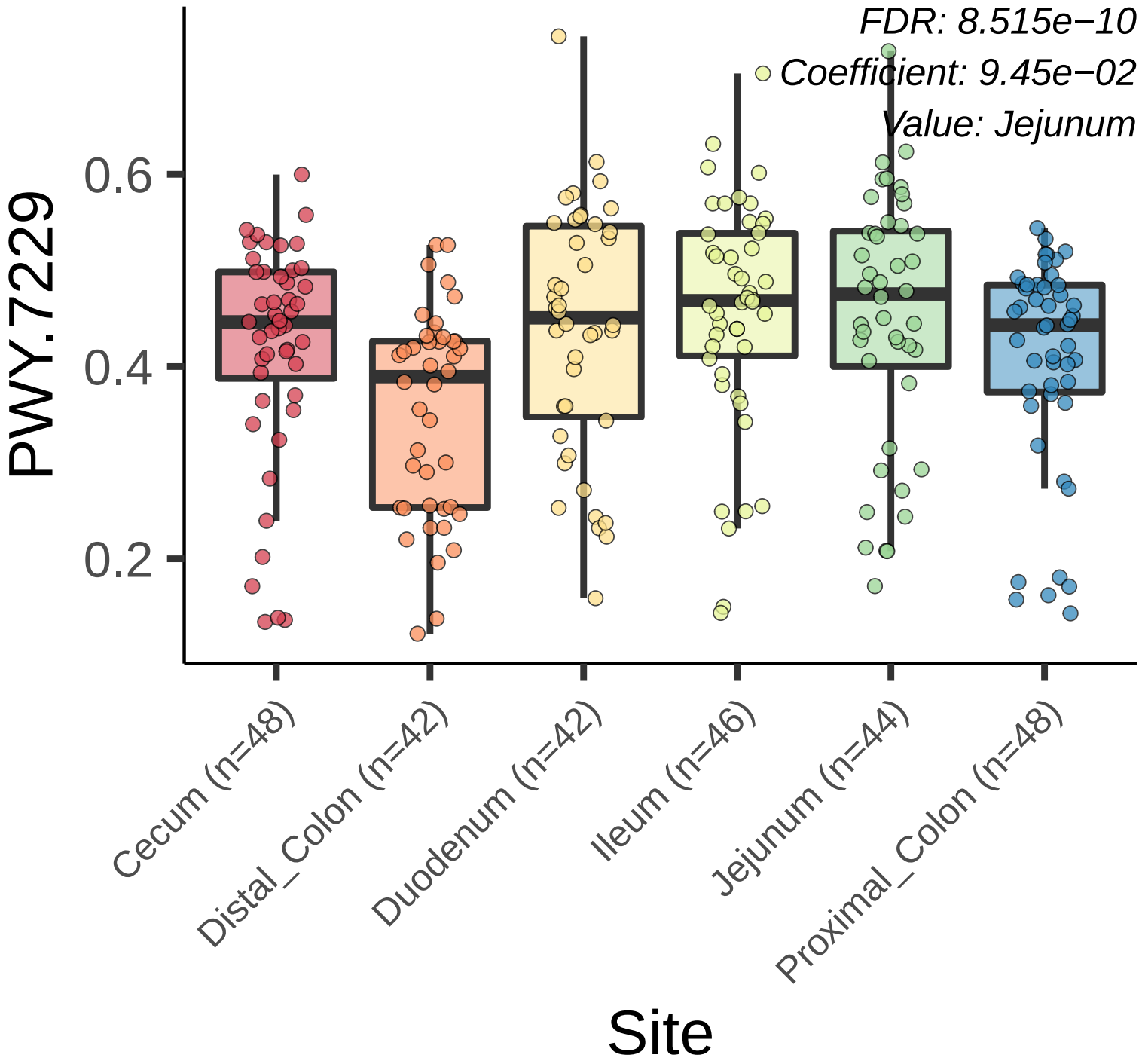

FDR: 7.587e−10
Coefficient: 9.38e−02
Value: Ileum
PWY.7220
0.8
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

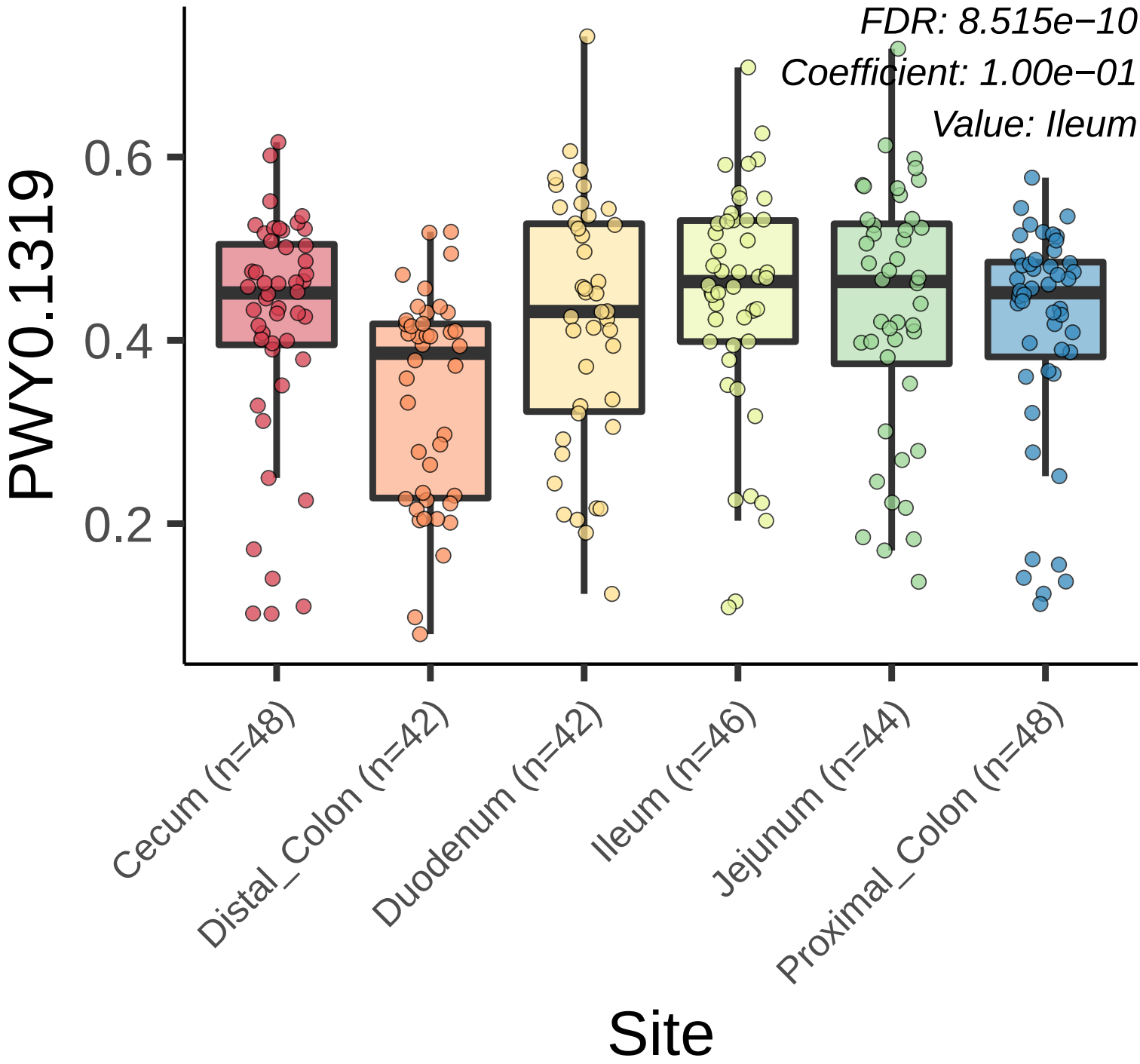

FDR: 7.587e−10
Coefficient: 9.38e−02
Value: Ileum
PWY.7222
0.8
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

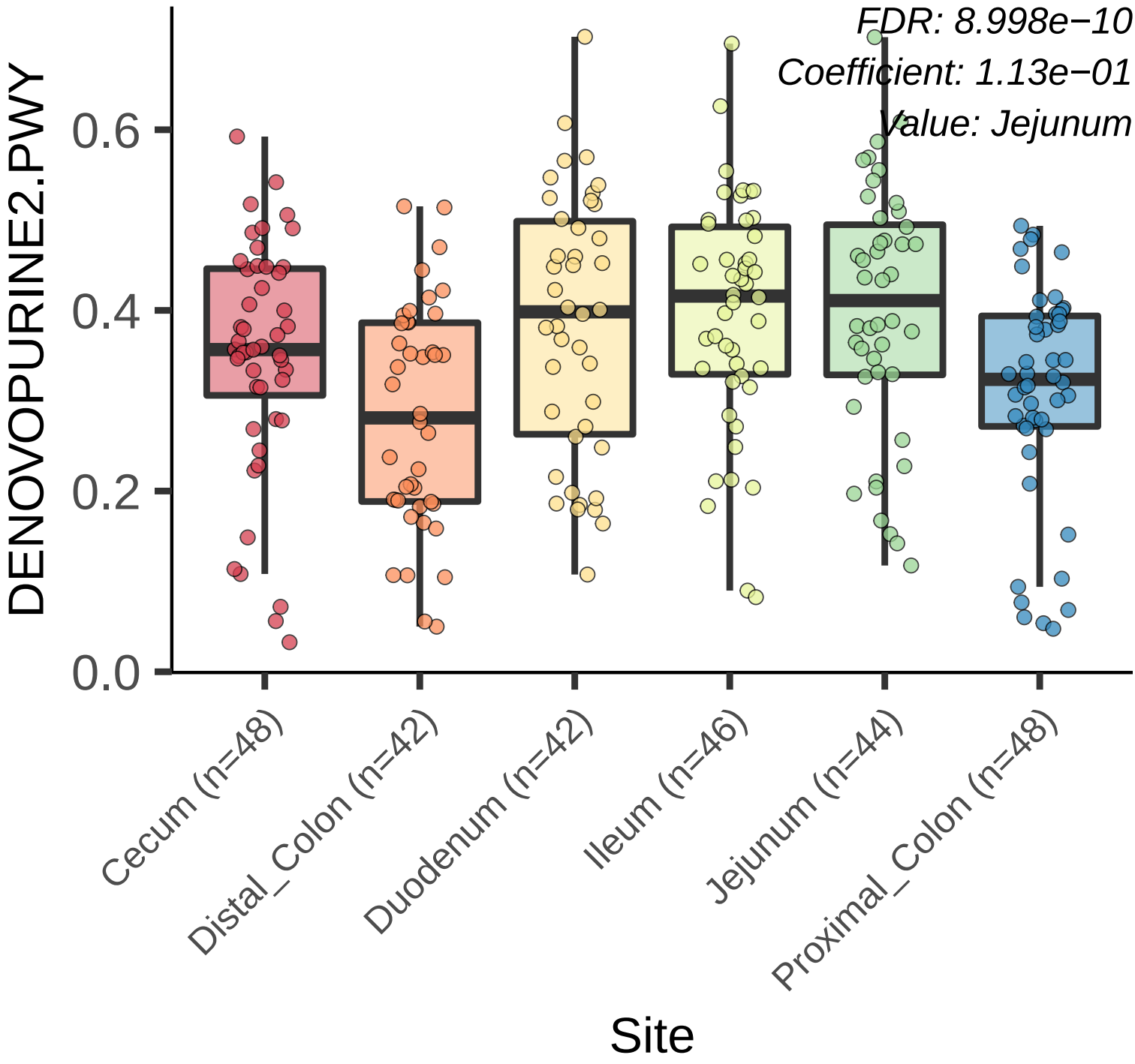

FDR: 7.587e−10
Coefficient: 1.17e−01
Value: Jejunum
PWY.841
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

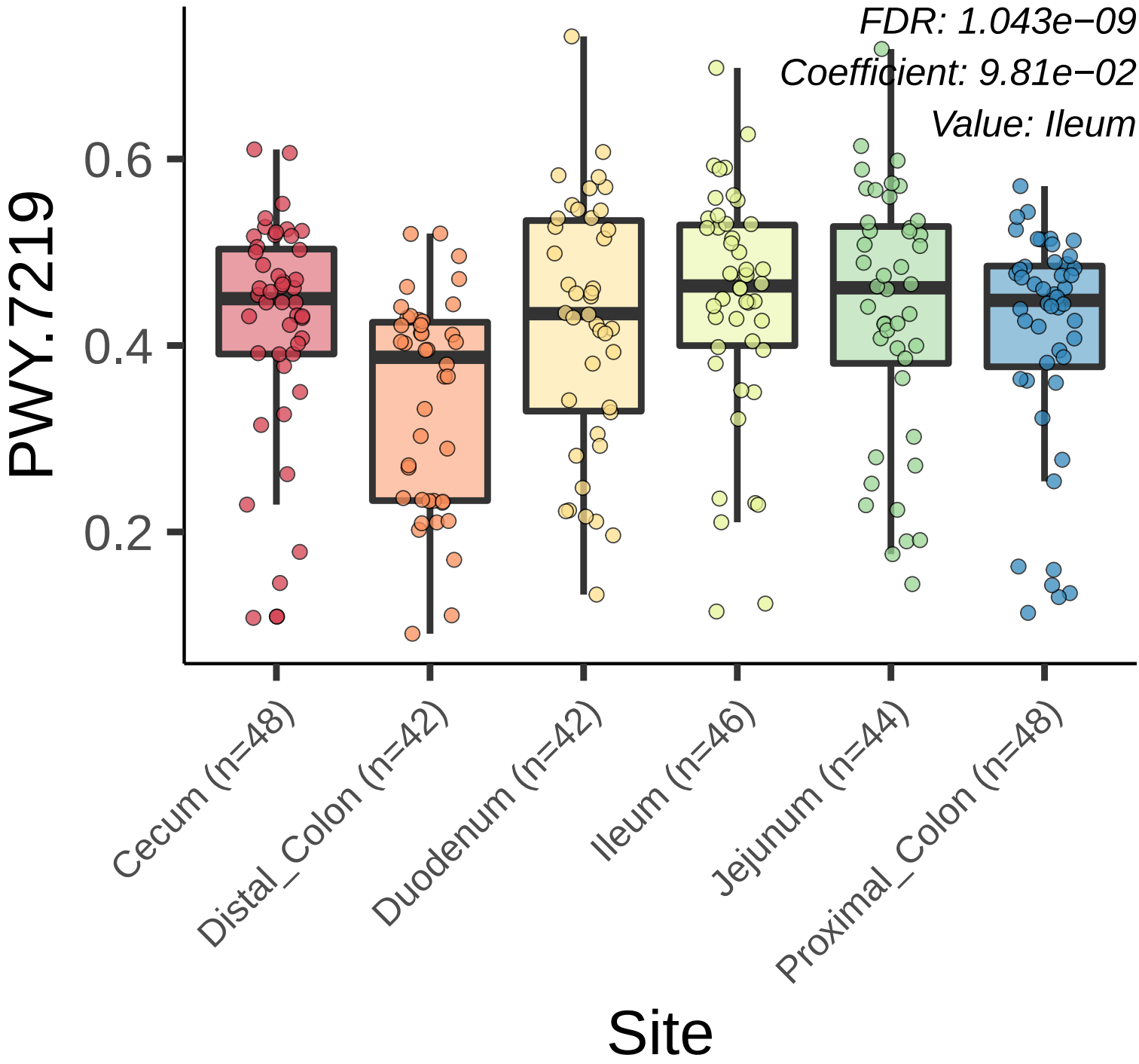

FDR: 8.515e−10
Coefficient: 1.00e−01
Value: Ileum
PWY.5667
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

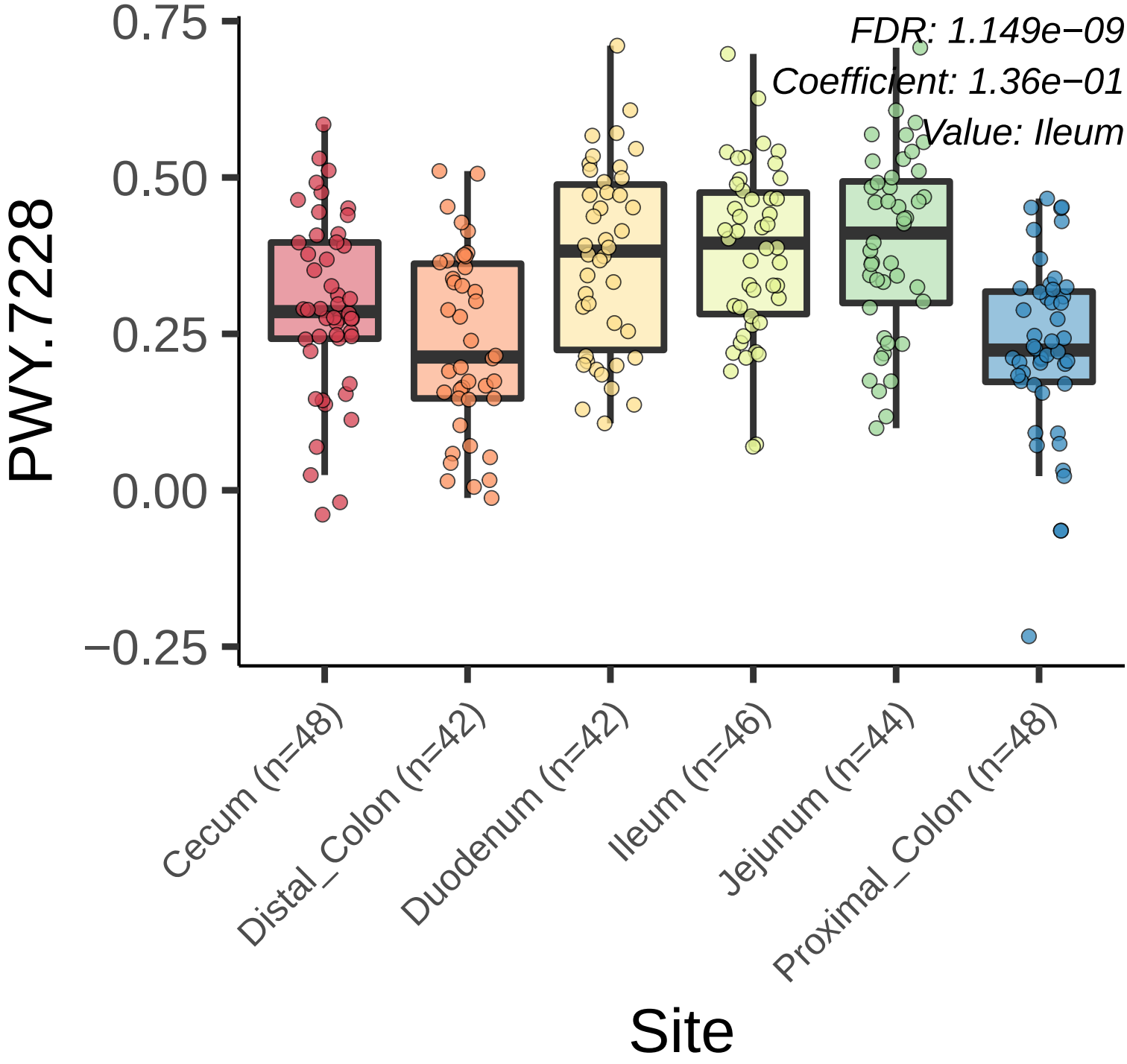

FDR: 8.515e−10
Coefficient: 1.28e−01
Value: Ileum
PWY.6125
0.75
0.50
0.25
0.00
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

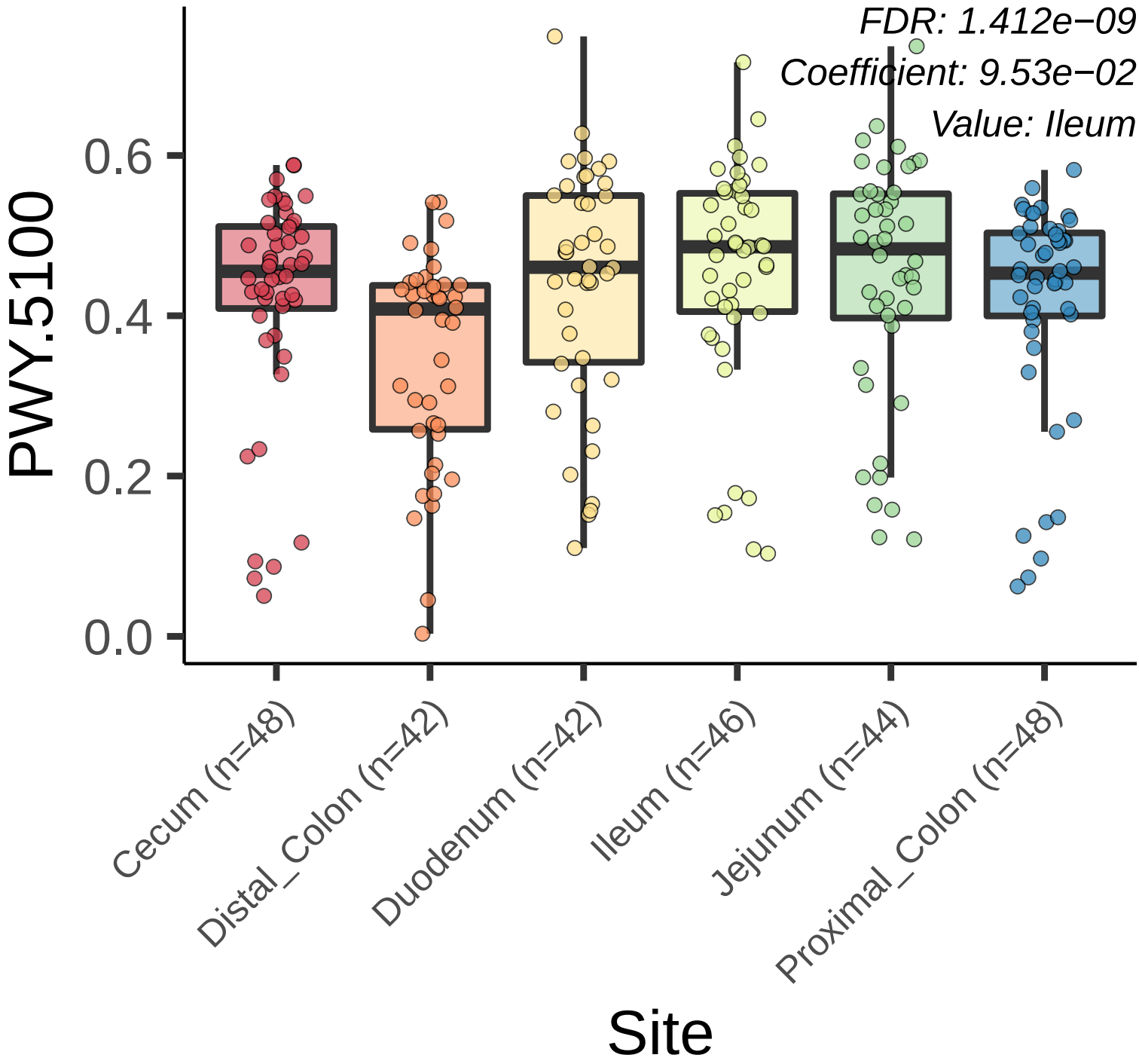

FDR: 8.515e−10
Coefficient: 9.45e−02
Value: Jejunum
PWY.7229
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

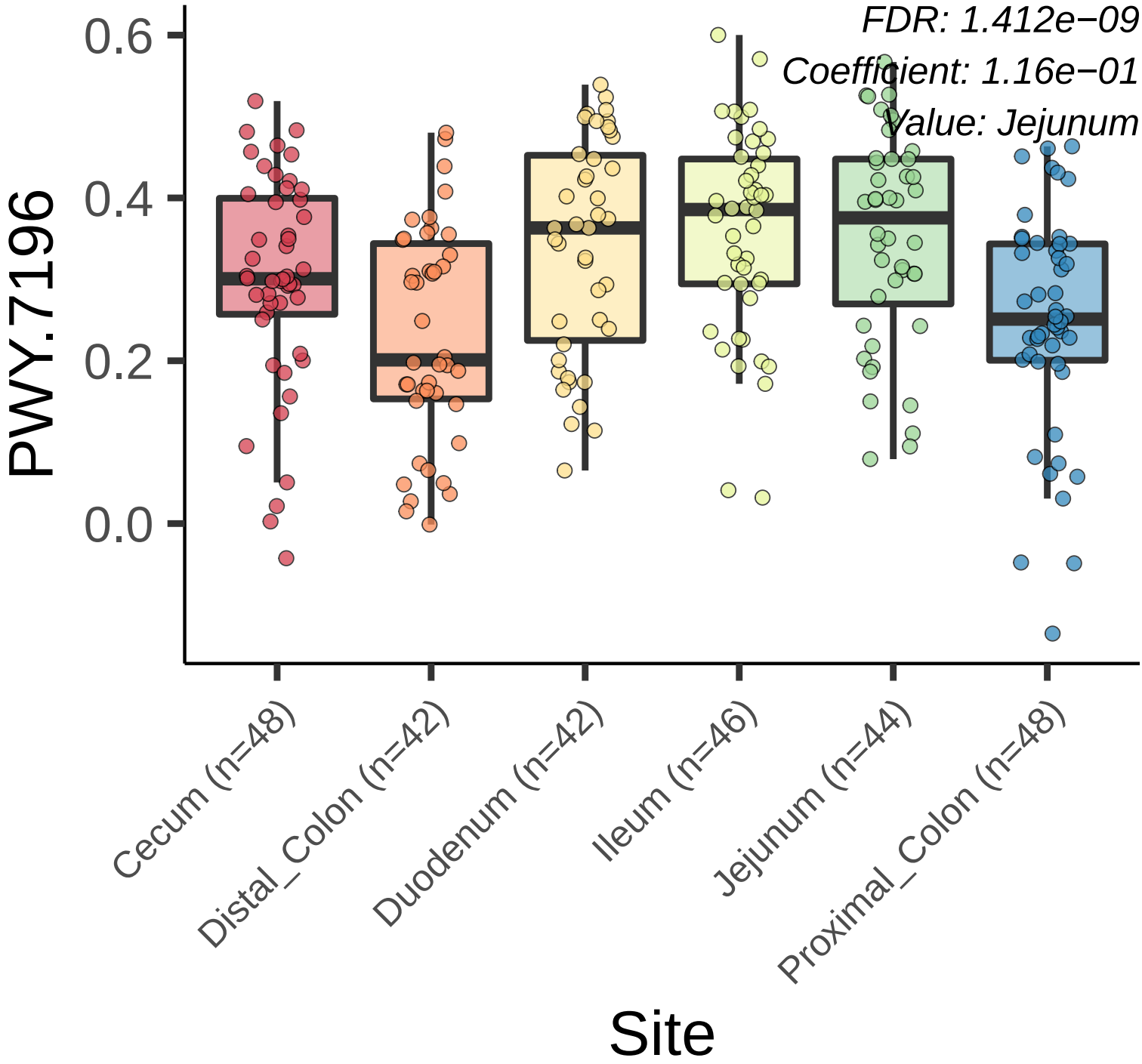

FDR: 8.515e−10
Coefficient: 1.00e−01
Value: Ileum
PWY0.1319
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

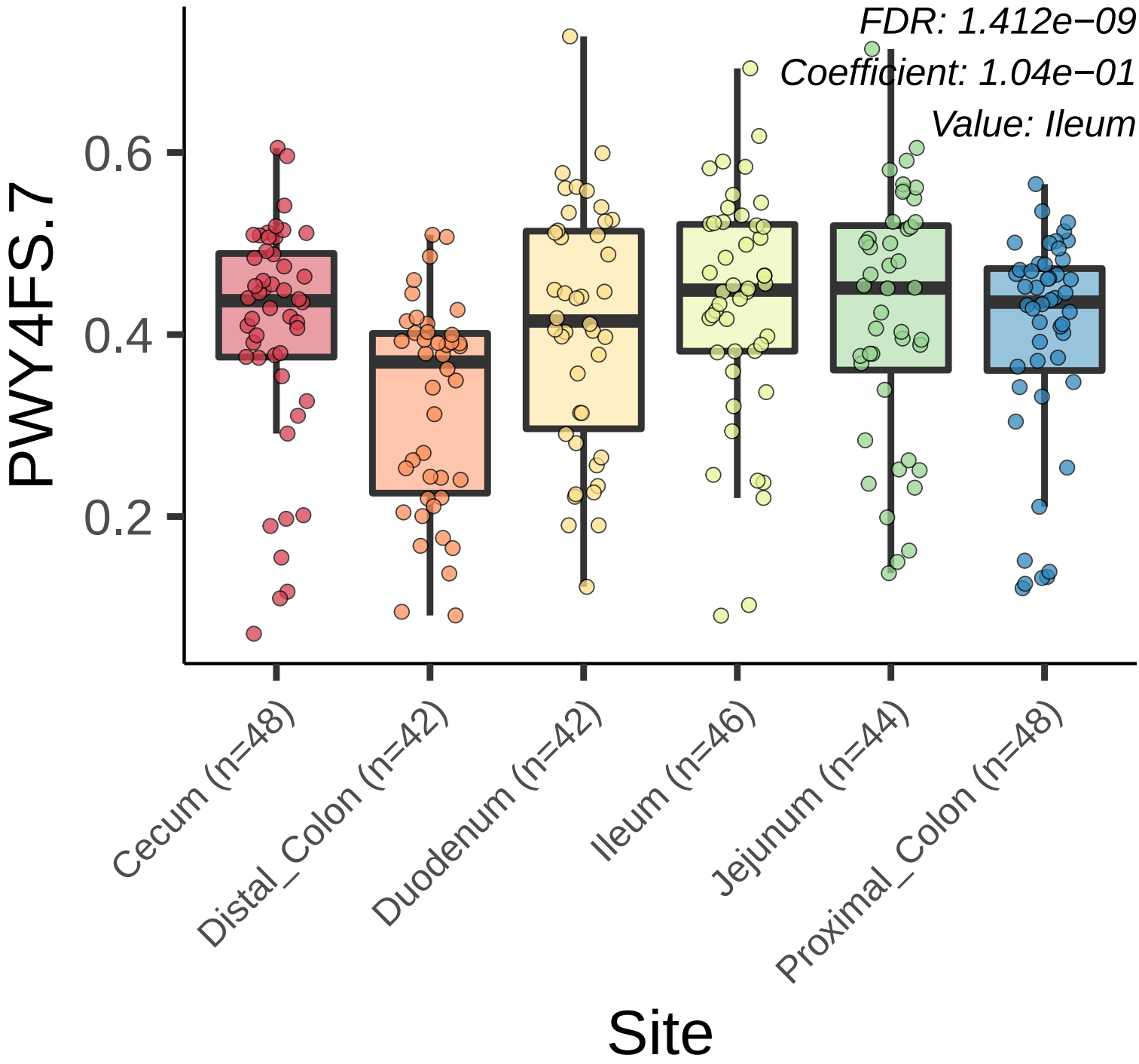

FDR: 8.998e−10
Coefficient: 1.13e−01
Value: Jejunum
DENOVOPURINE2.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

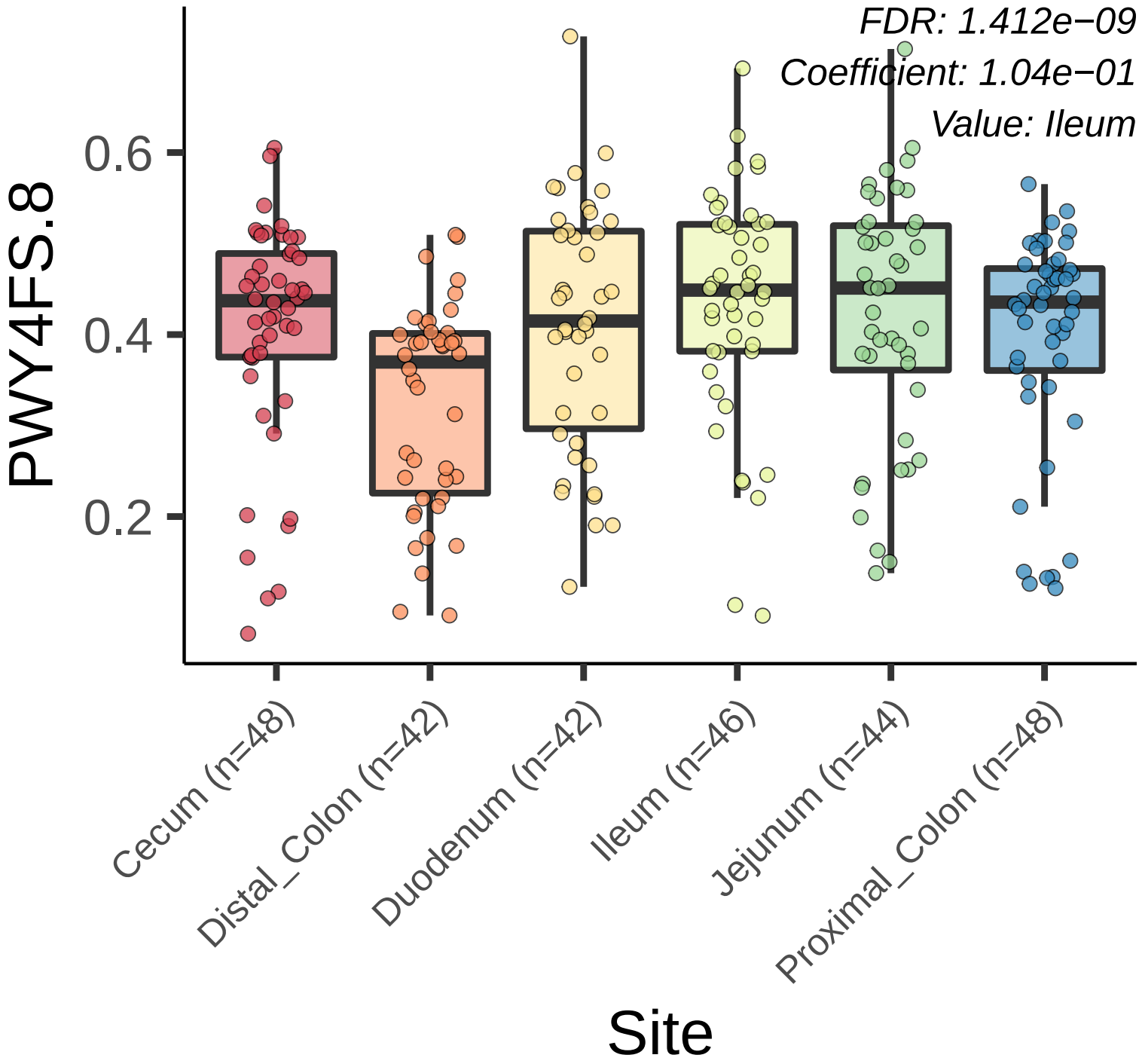

FDR: 1.043e−09
Coefficient: 9.81e−02
Value: Ileum
PWY.7219
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

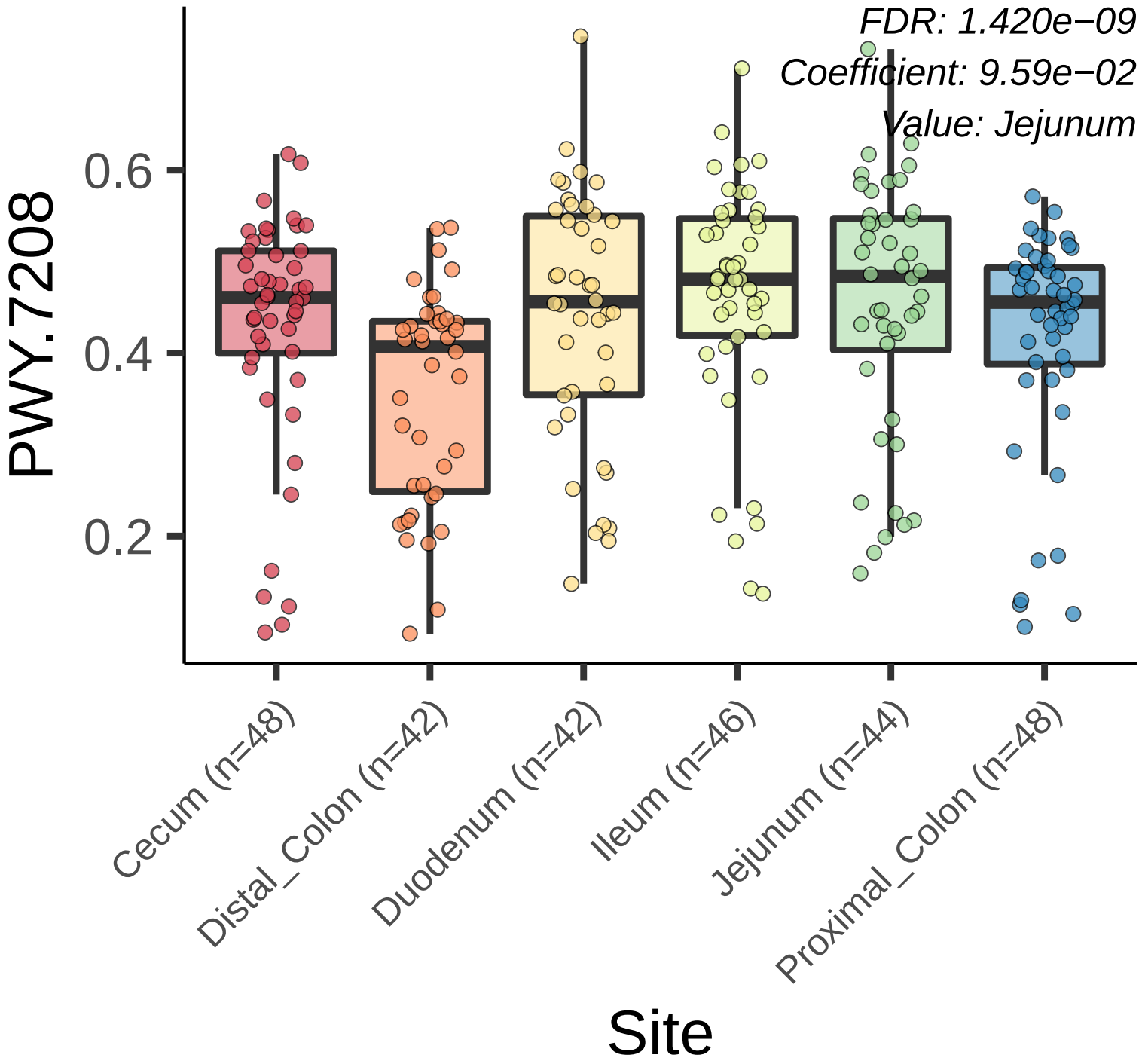

FDR: 1.149e−09
Coefficient: 1.36e−01
Value: Ileum
PWY.7228
0.75
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

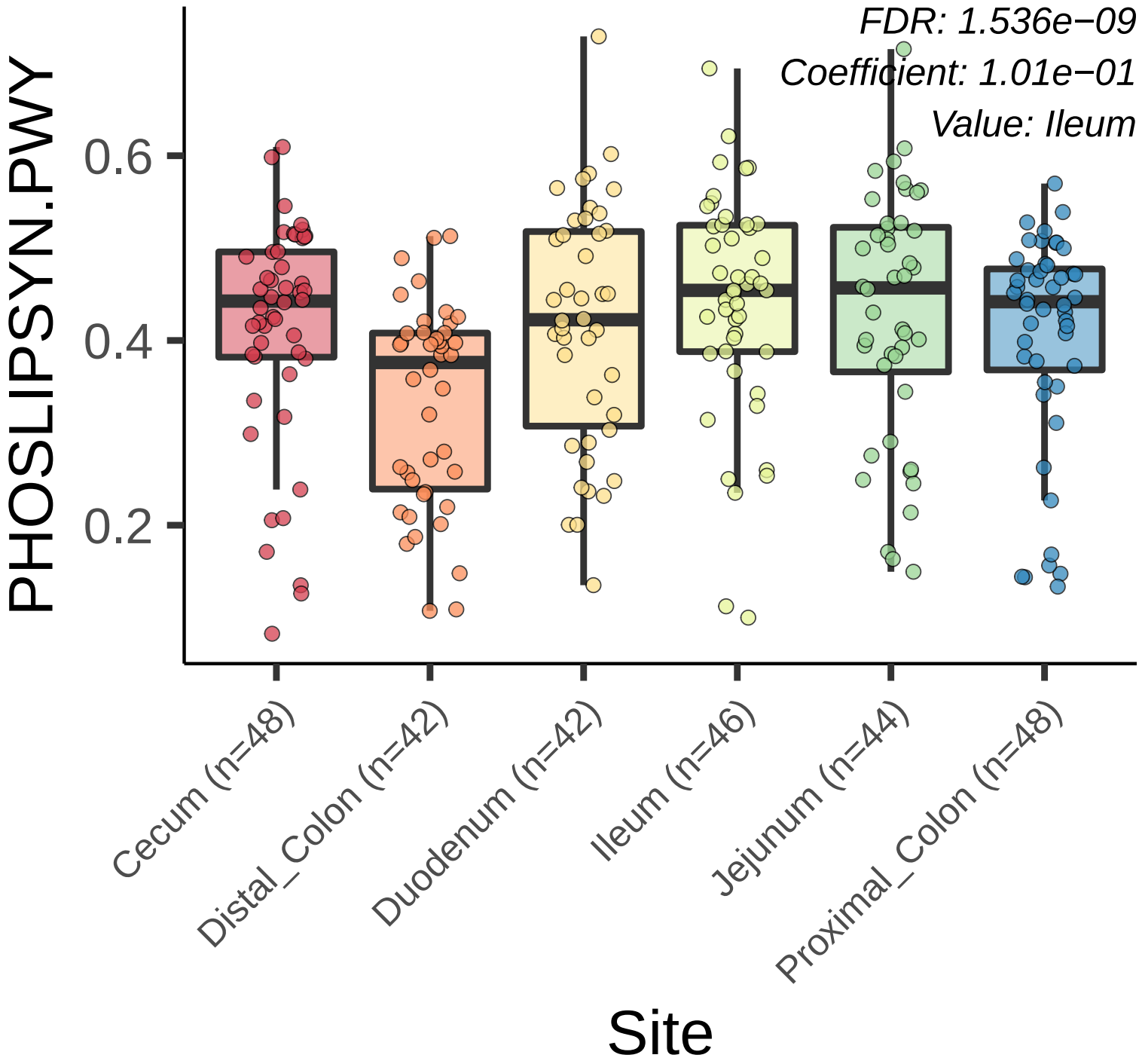

FDR: 1.412e−09
Coefficient: 9.53e−02
Value: Ileum
PWY.5100
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

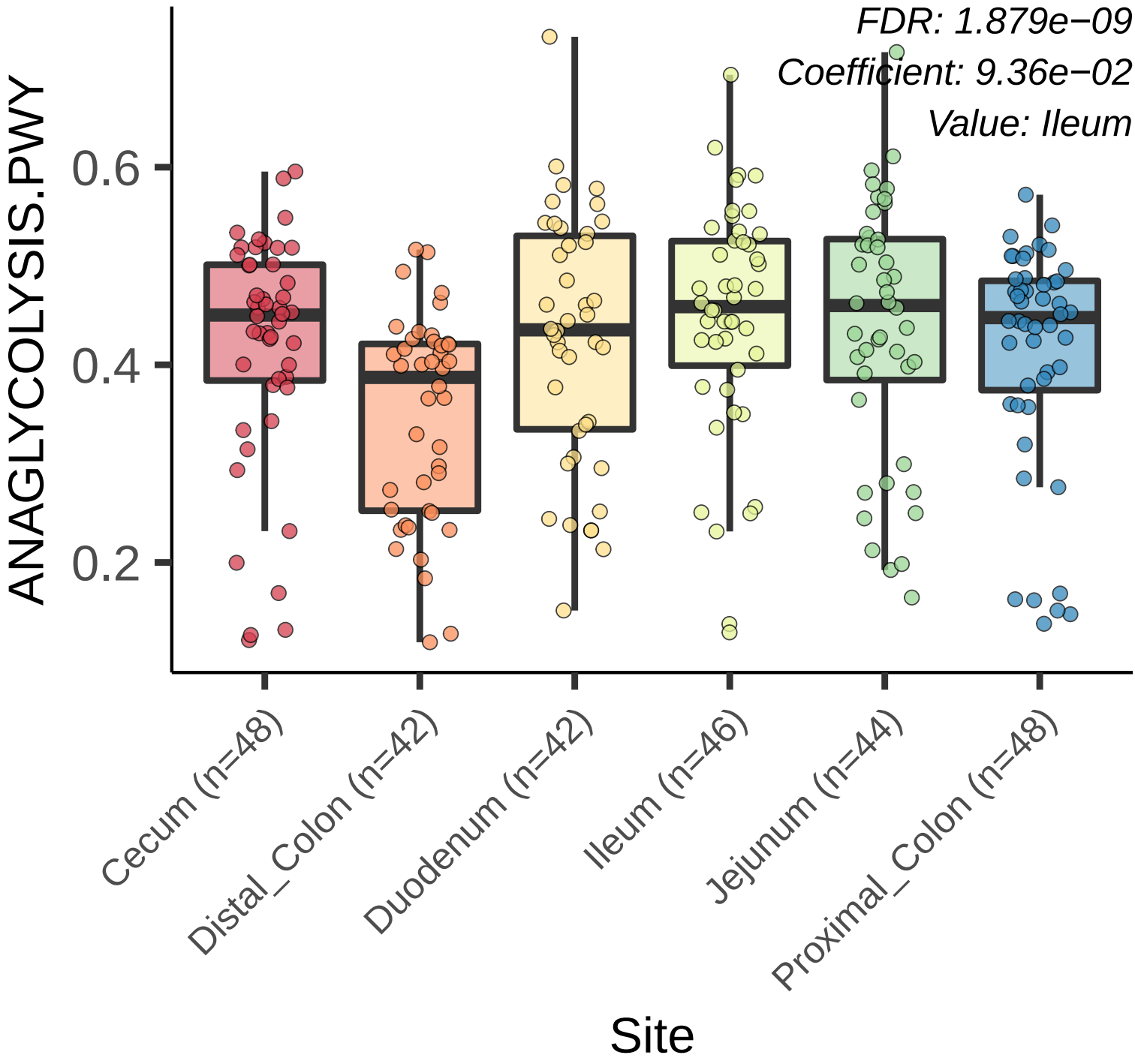

FDR: 1.412e−09
Coefficient: 1.16e−01
Value: Jejunum
PWY.7196
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

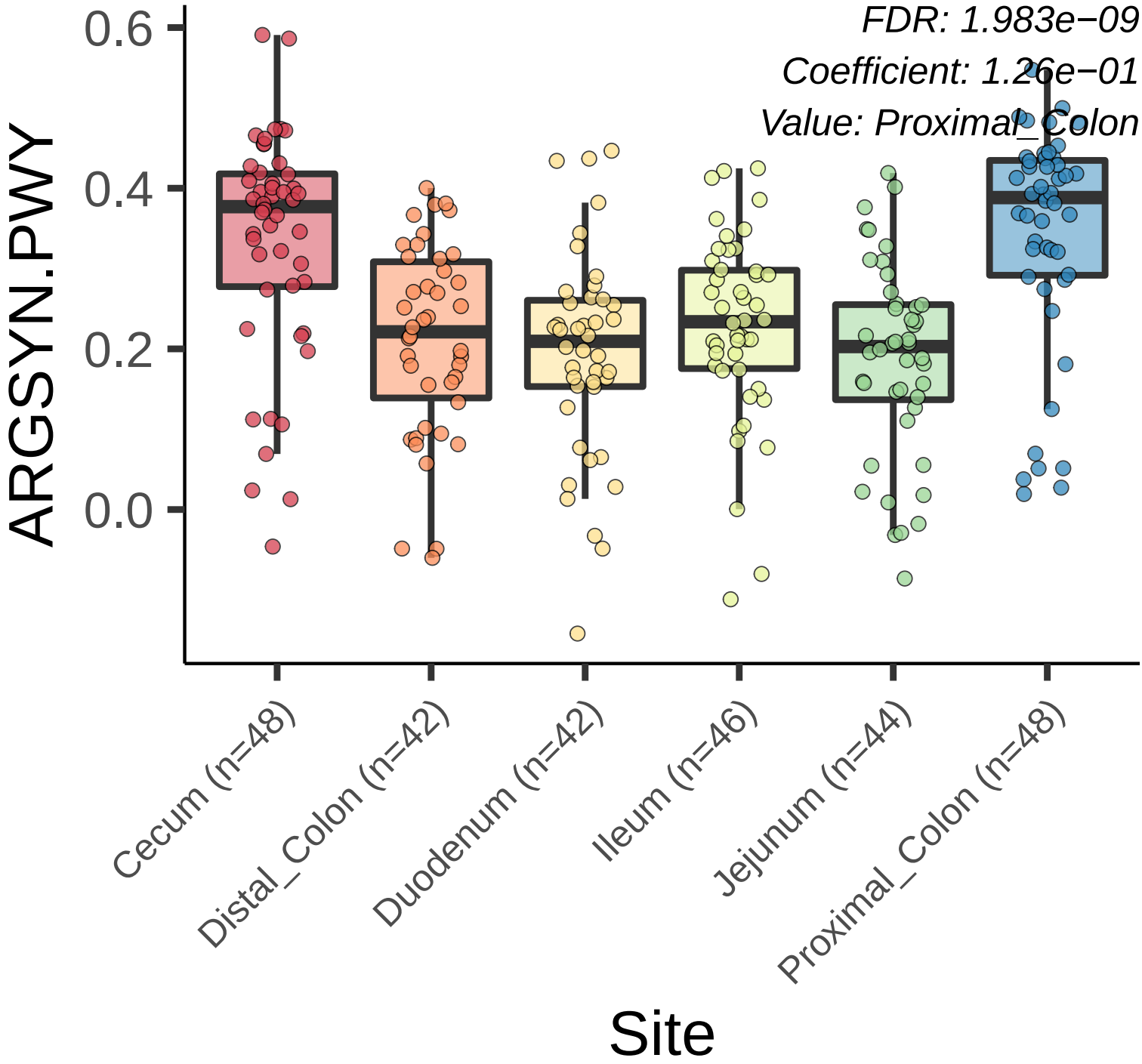

FDR: 1.412e−09
Coefficient: 1.04e−01
Value: Ileum
PWY4FS.7
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

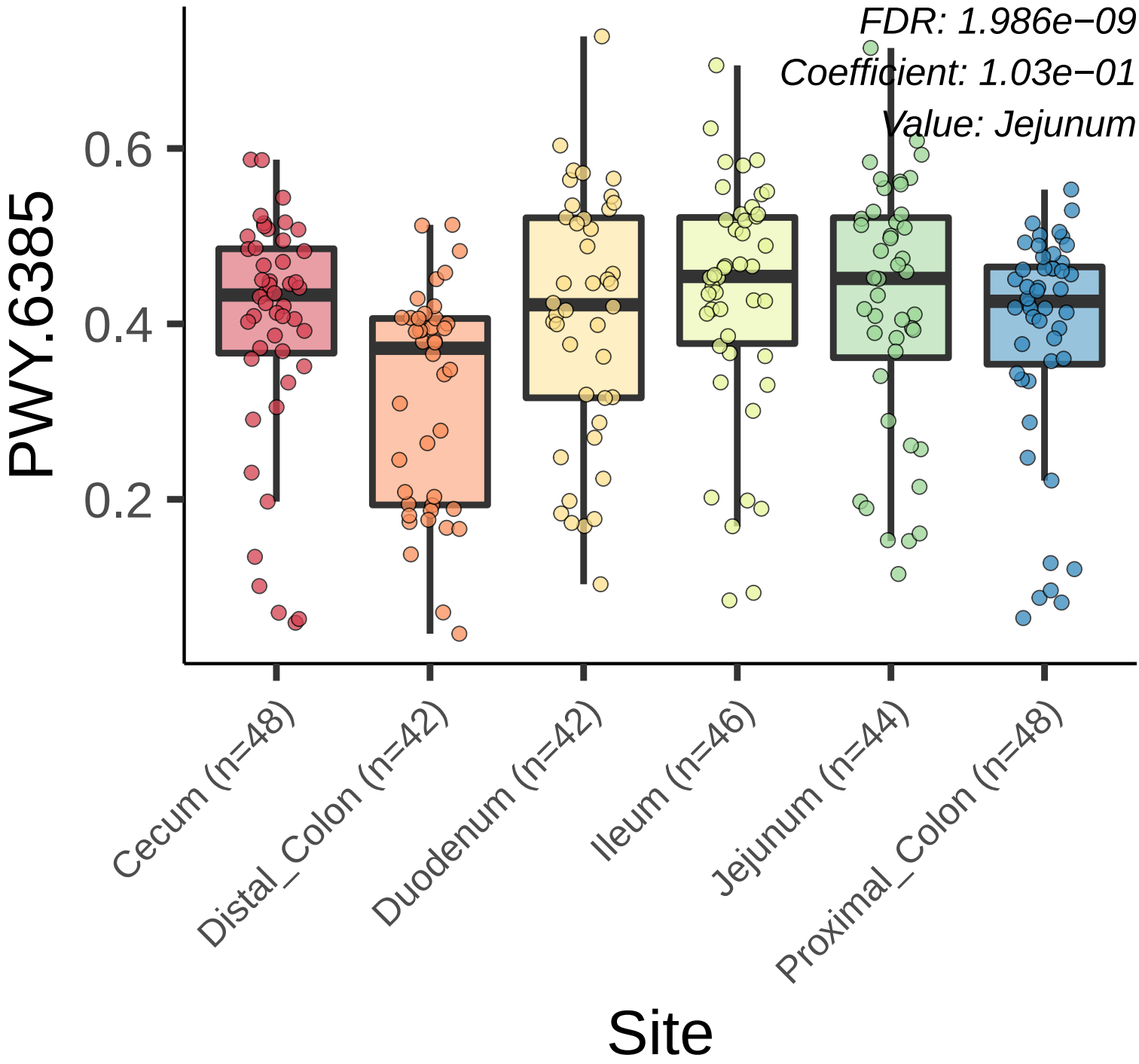

FDR: 1.412e−09
Coefficient: 1.04e−01
Value: Ileum
PWY4FS.8
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

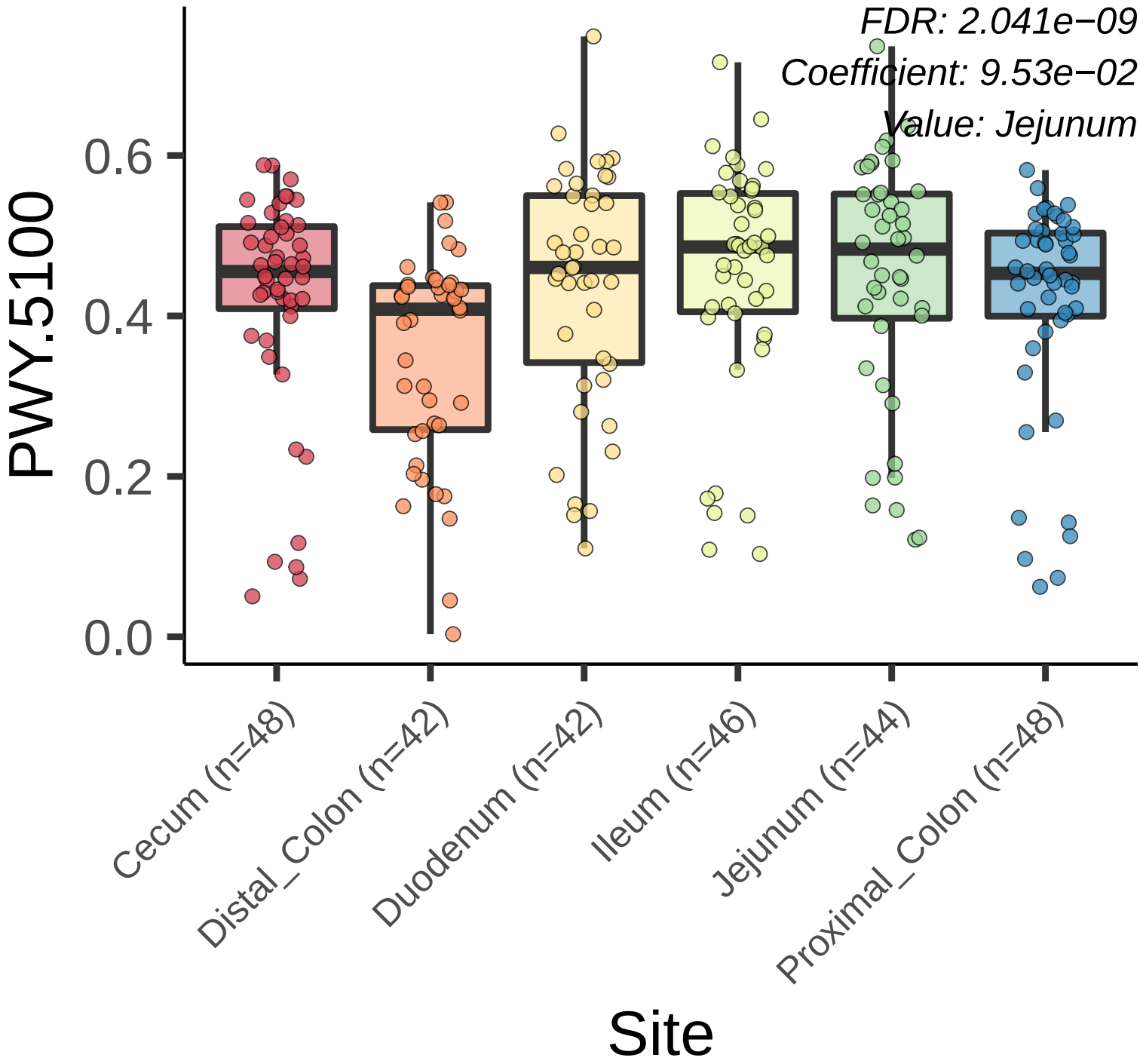

FDR: 1.420e−09
Coefficient: 9.59e−02
Value: Jejunum
PWY.7208
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

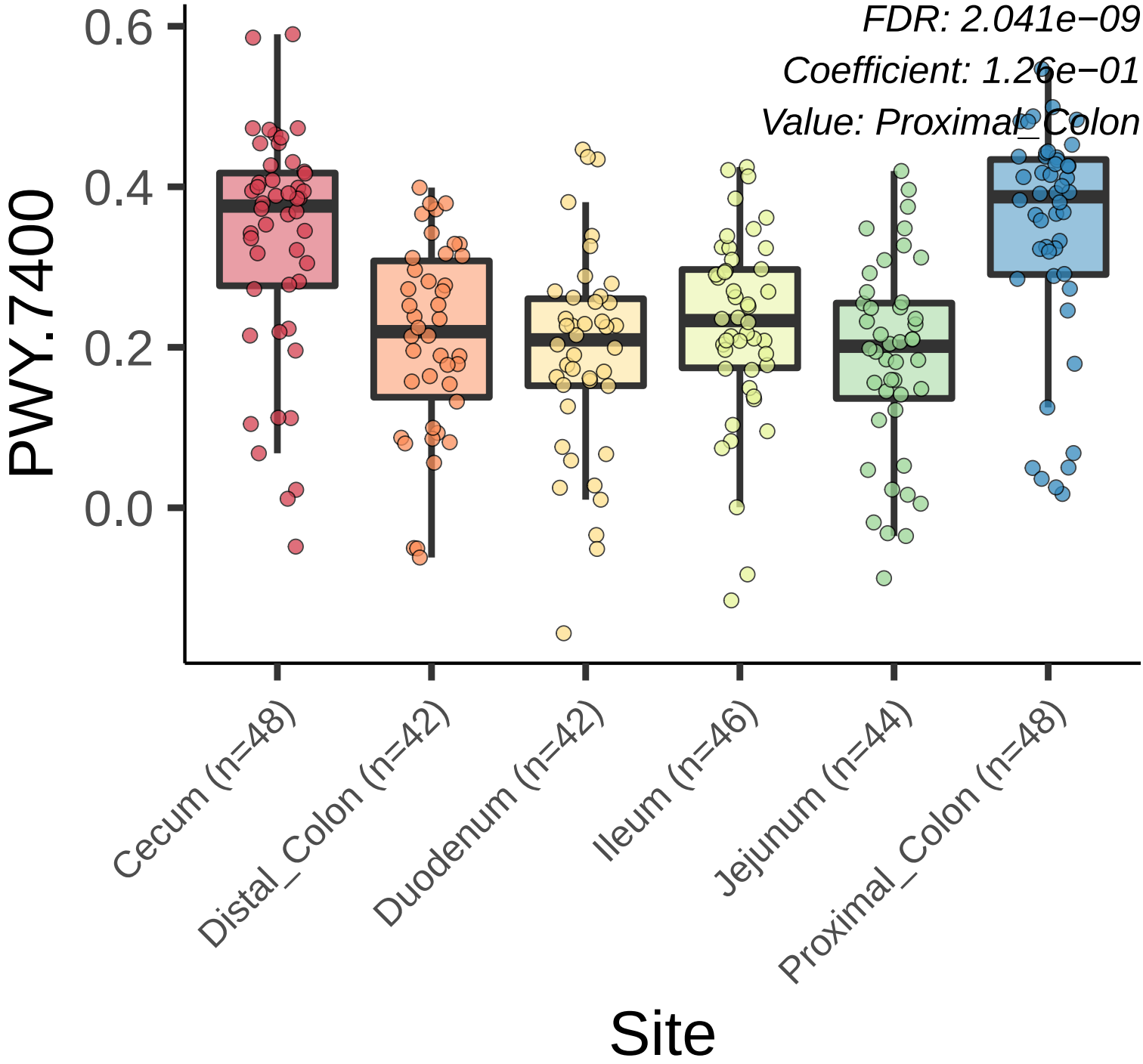

FDR: 1.536e−09
Coefficient: 1.01e−01
Value: Ileum
PHOSLIPSYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

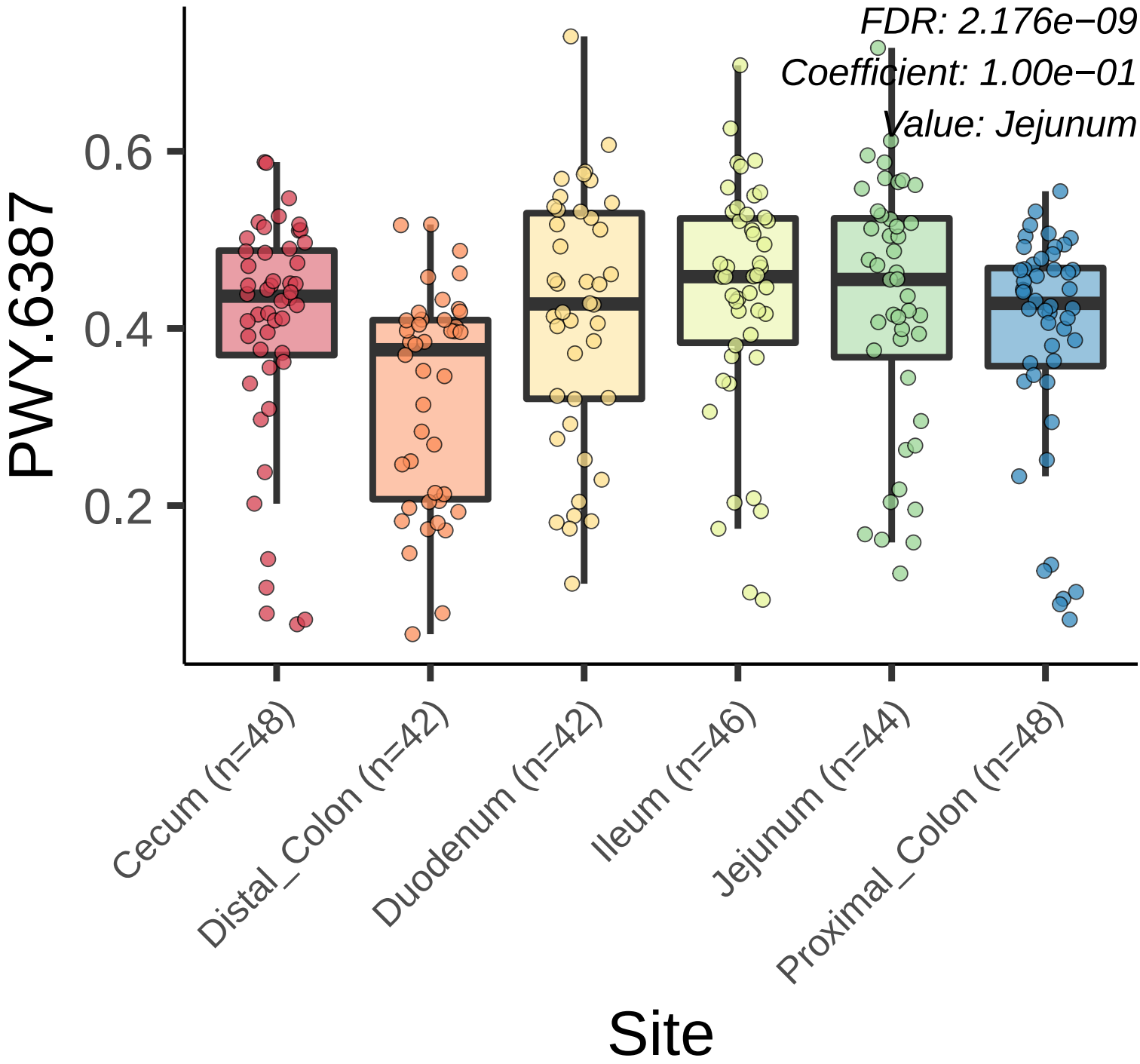

FDR: 1.879e−09
Coefficient: 9.36e−02
Value: Ileum
ANAGLYCOLYSIS.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

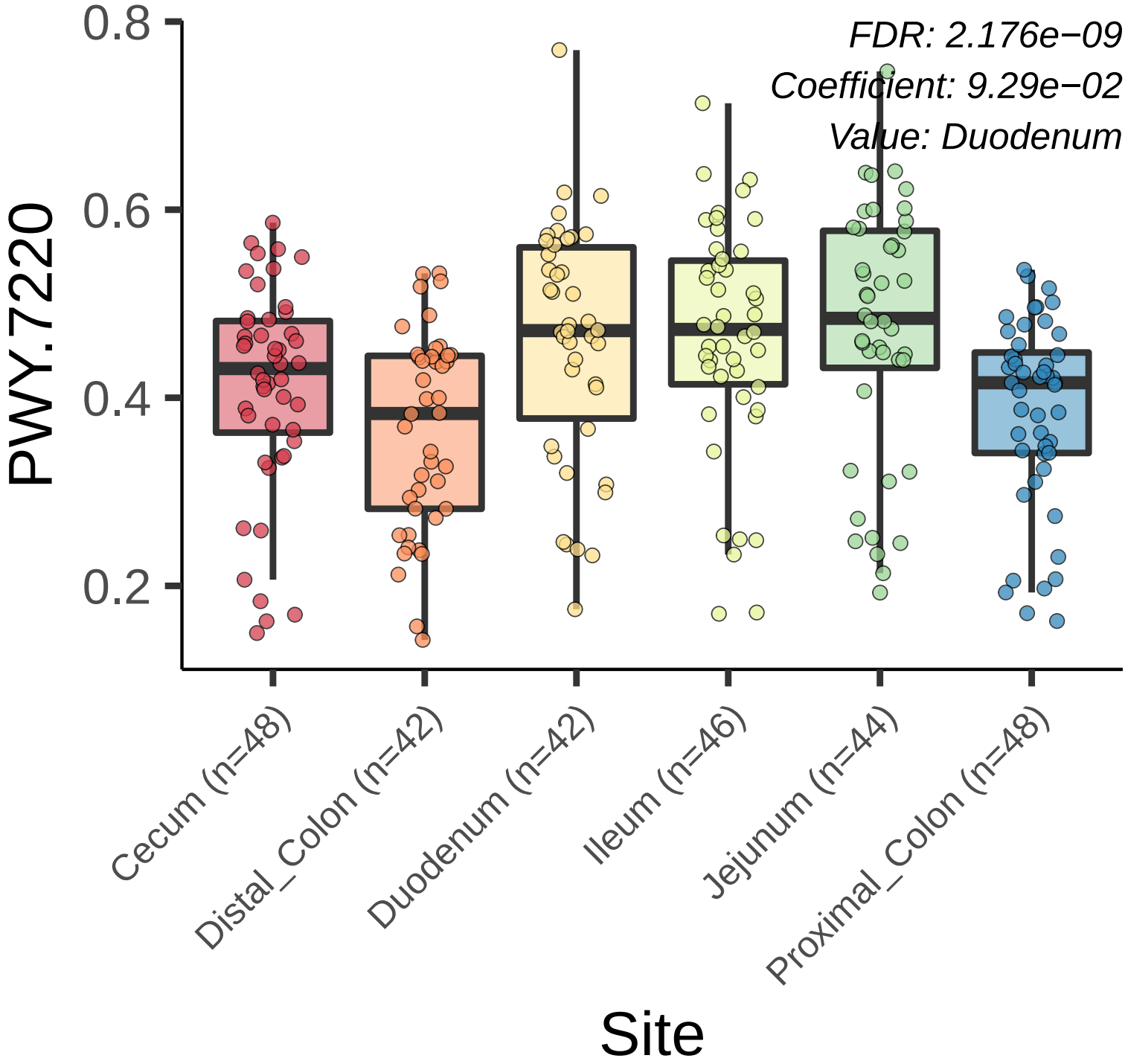

FDR: 1.983e−09
Coefficient: 1.26e−01
Value: Proximal_Colon
ARGSYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

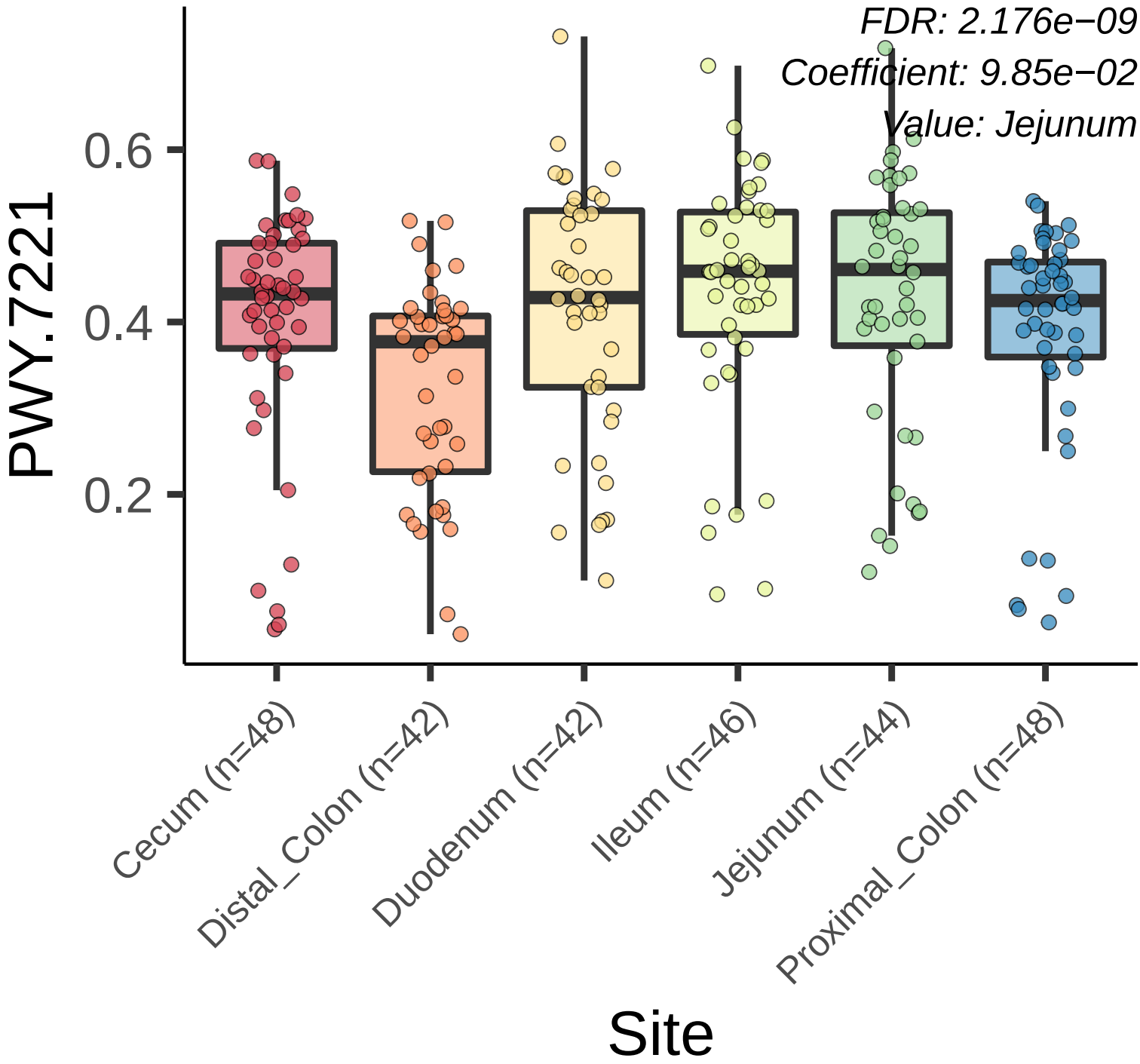

FDR: 1.986e−09
Coefficient: 1.03e−01
Value: Jejunum
PWY.6385
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

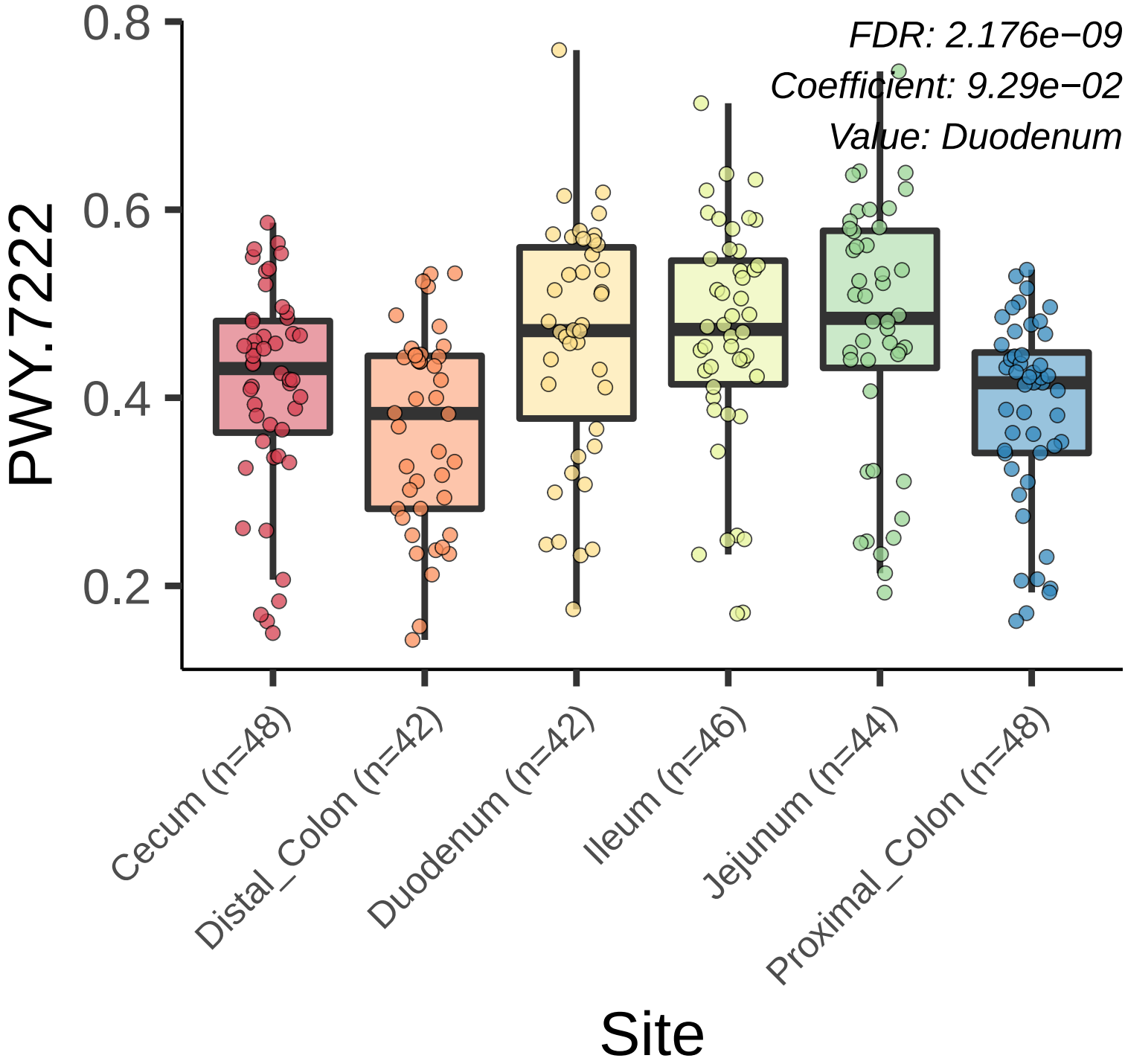

FDR: 2.041e−09
Coefficient: 9.53e−02
Value: Jejunum
PWY.5100
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

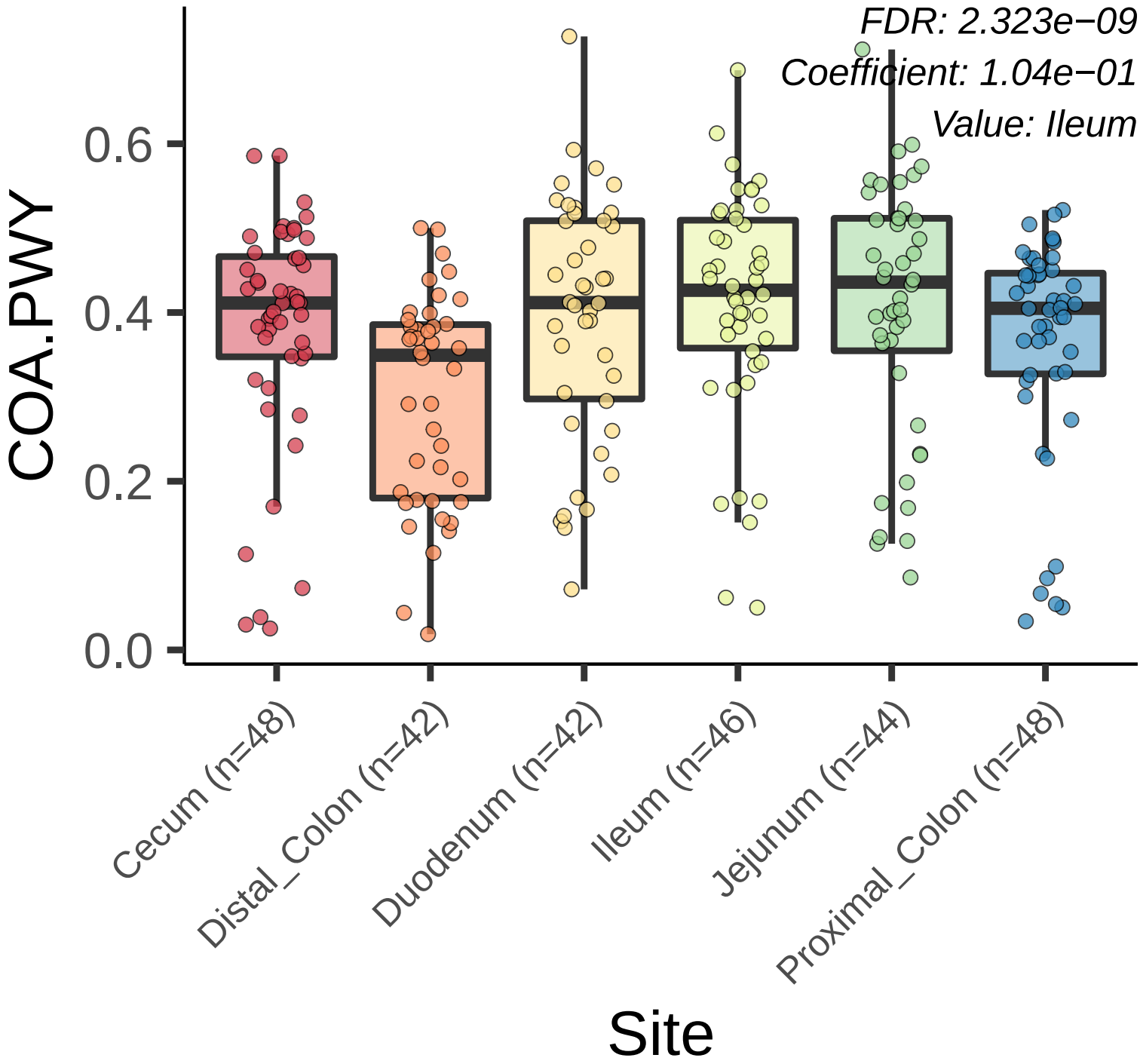

FDR: 2.041e−09
Coefficient: 1.26e−01
Value: Proximal_Colon
PWY.7400
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

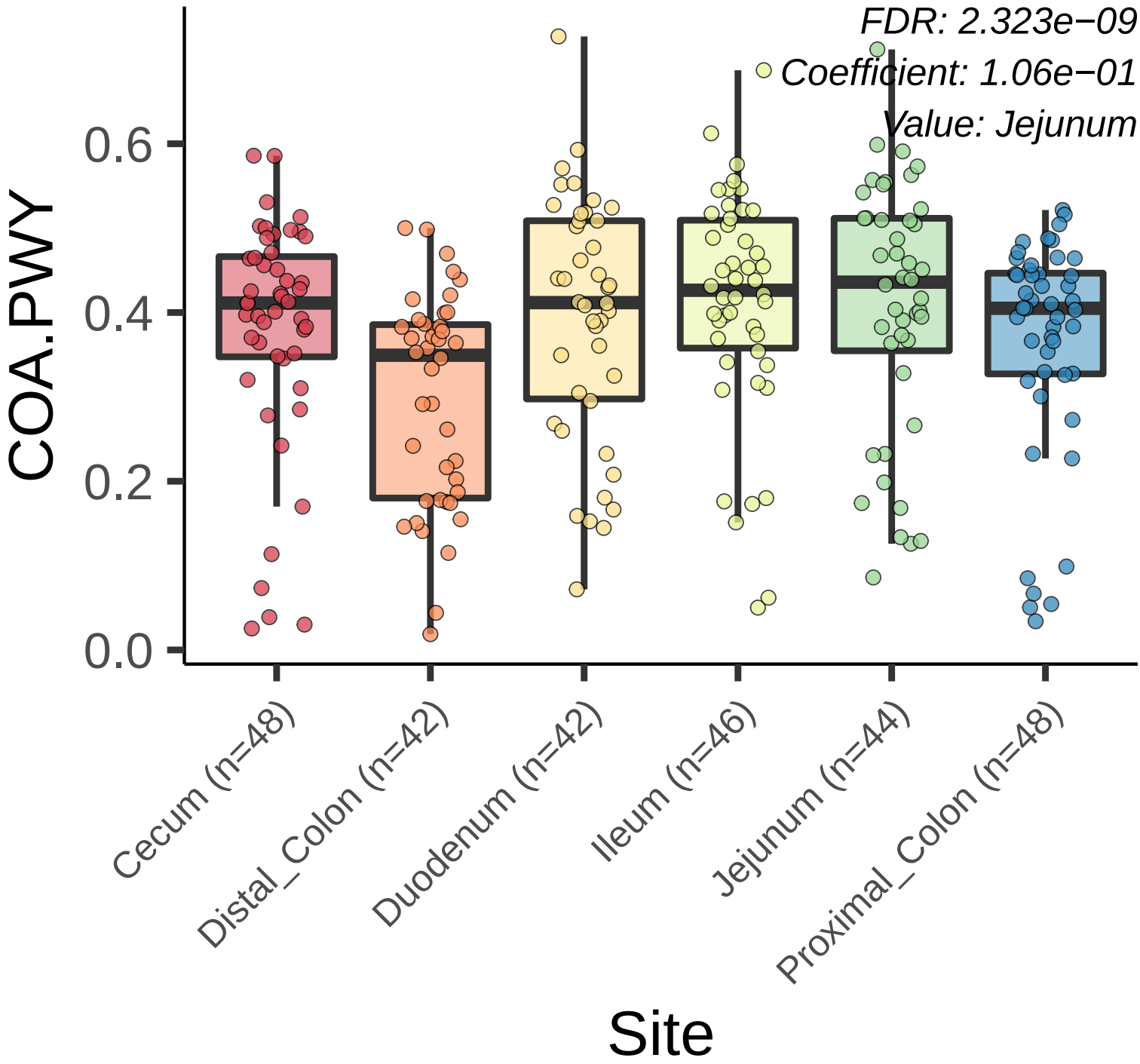

FDR: 2.176e−09
Coefficient: 1.00e−01
Value: Jejunum
PWY.6387
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

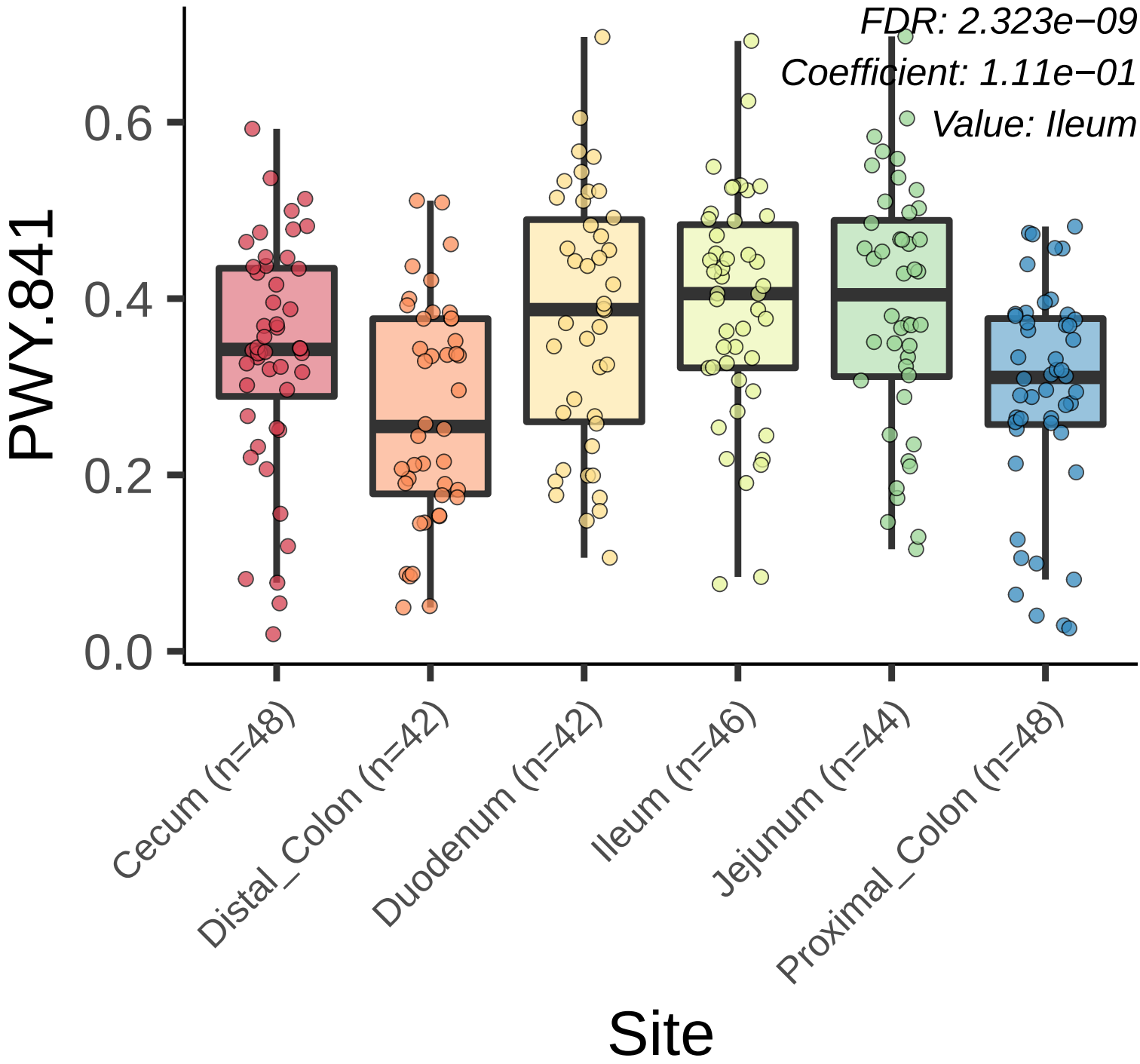

FDR: 2.176e−09
Coefficient: 9.29e−02
Value: Duodenum
PWY.7220
0.8
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

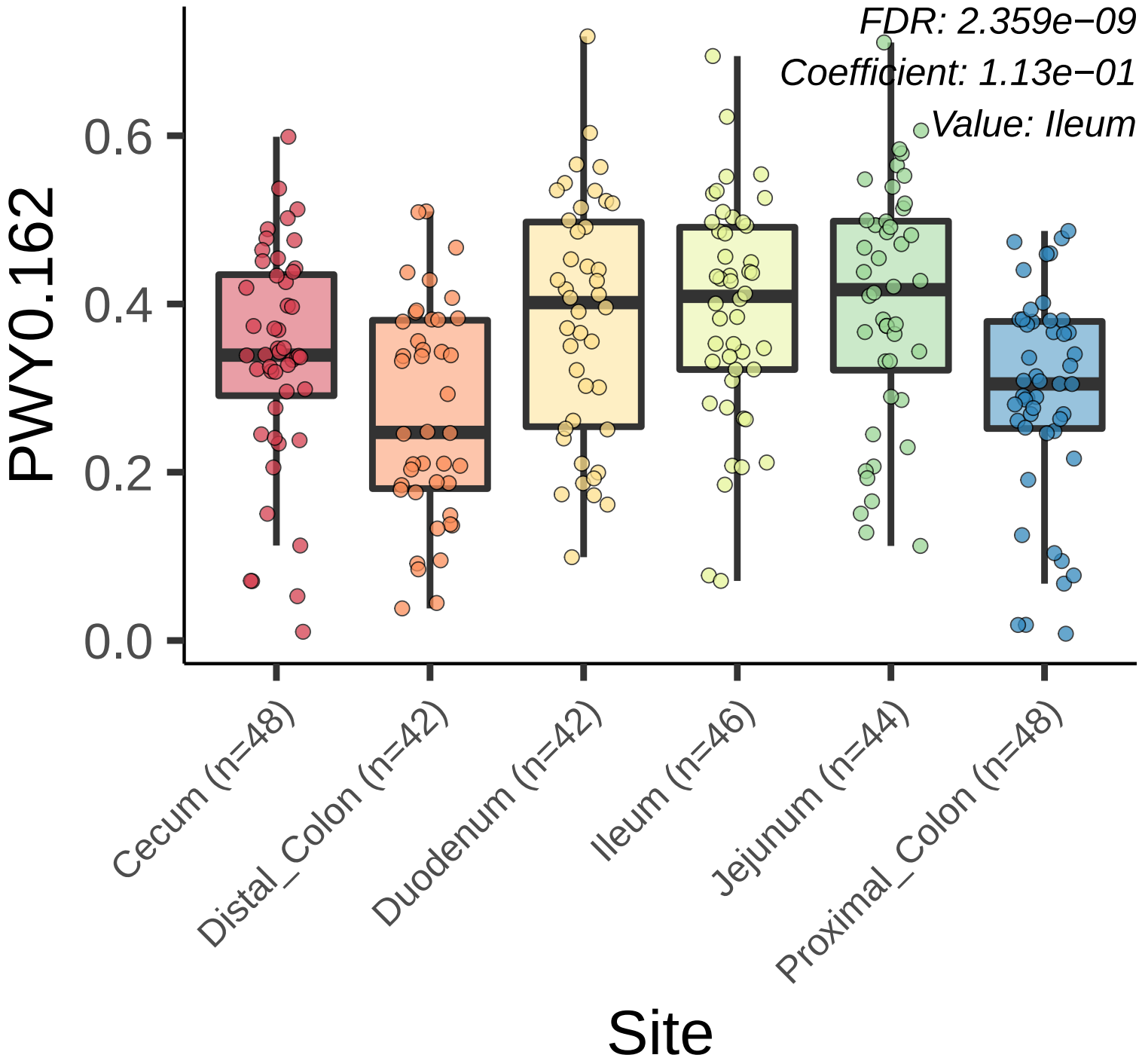

FDR: 2.176e−09
Coefficient: 9.85e−02
Value: Jejunum
PWY.7221
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

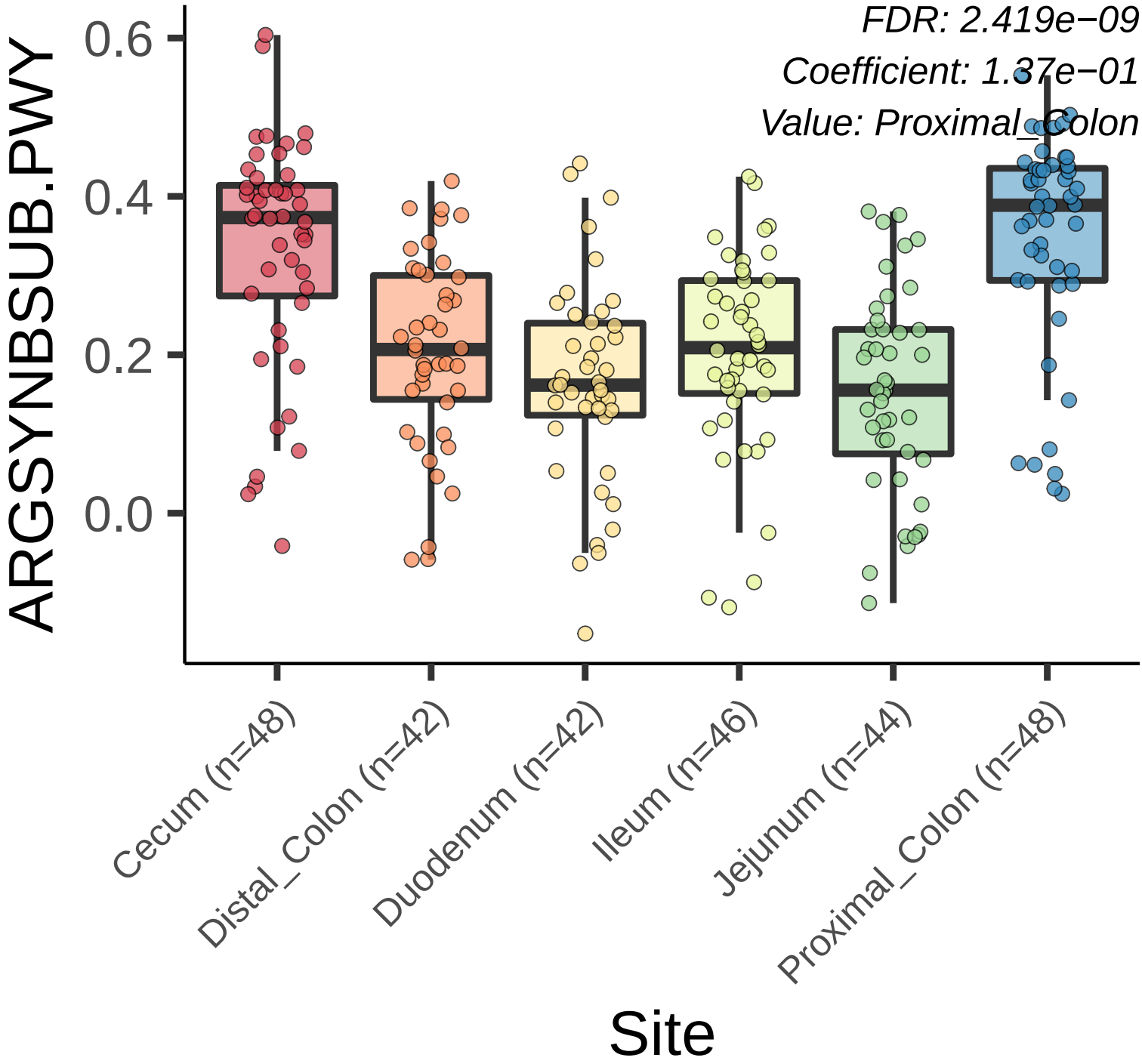

FDR: 2.176e−09
Coefficient: 9.29e−02
Value: Duodenum
PWY.7222
0.8
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

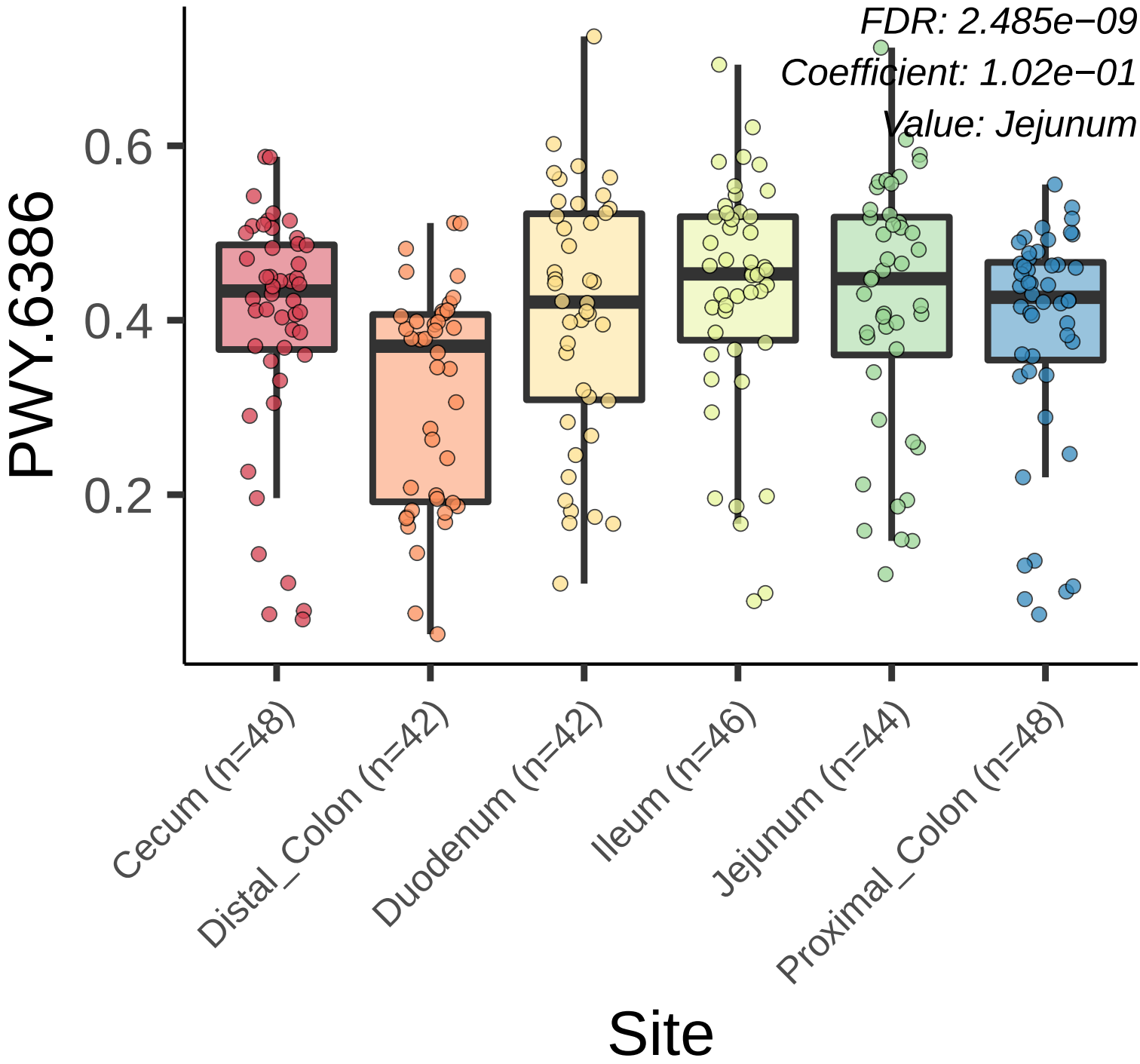

FDR: 2.323e−09
Coefficient: 1.04e−01
Value: Ileum
COA.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

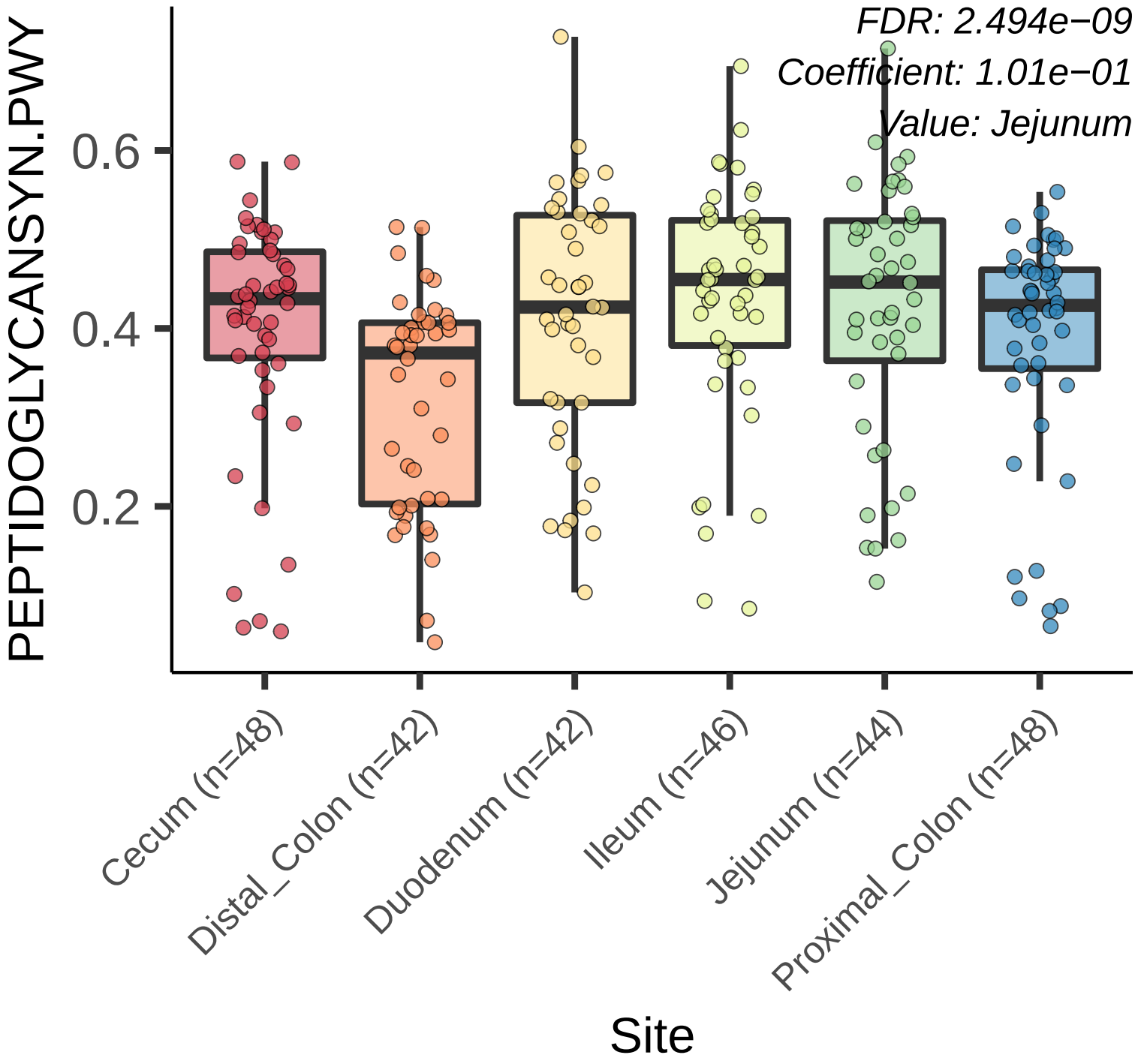

FDR: 2.323e−09
Coefficient: 1.06e−01
Value: Jejunum
COA.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

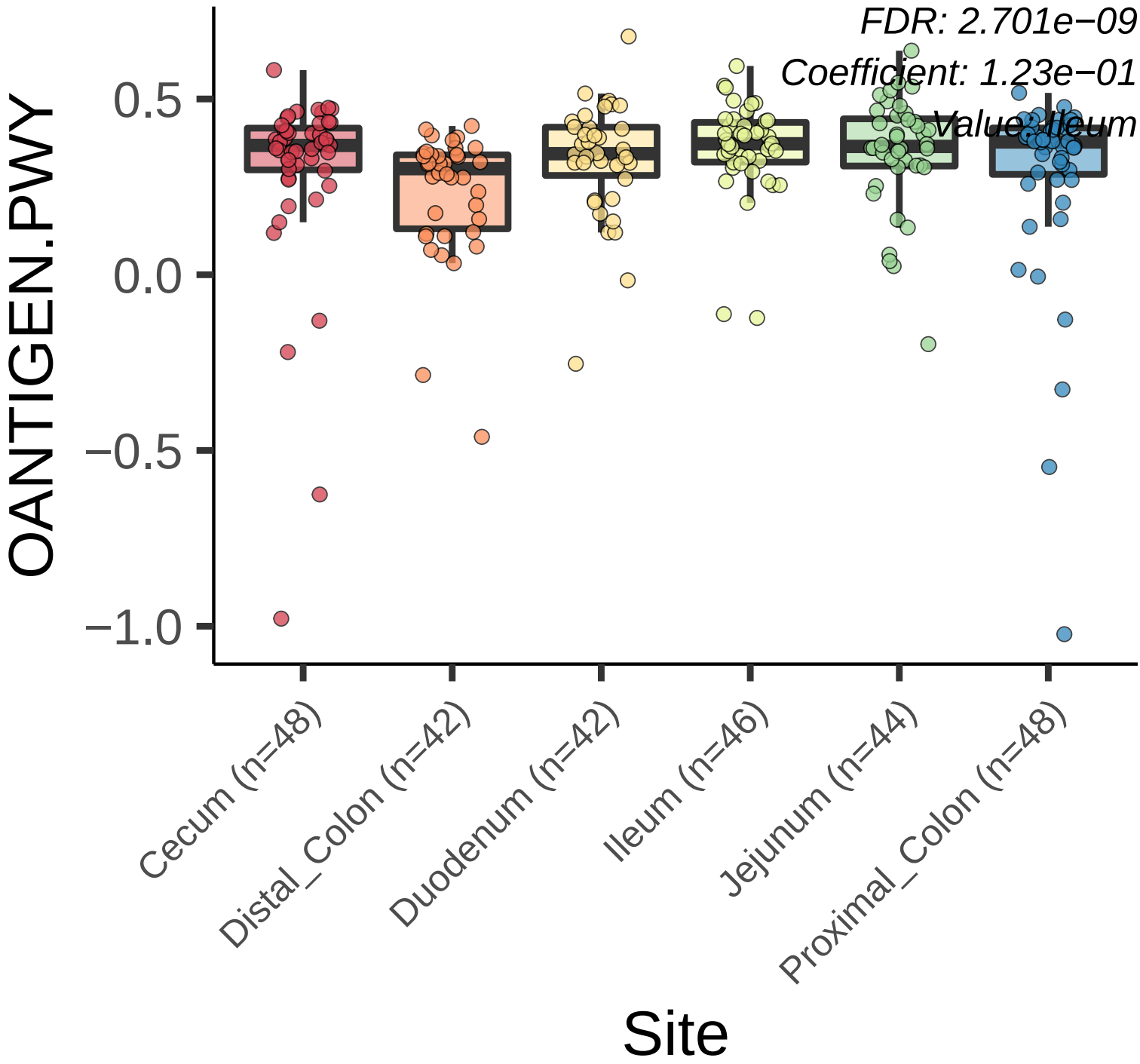

FDR: 2.323e−09
Coefficient: 1.11e−01
Value: Ileum
PWY.841
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

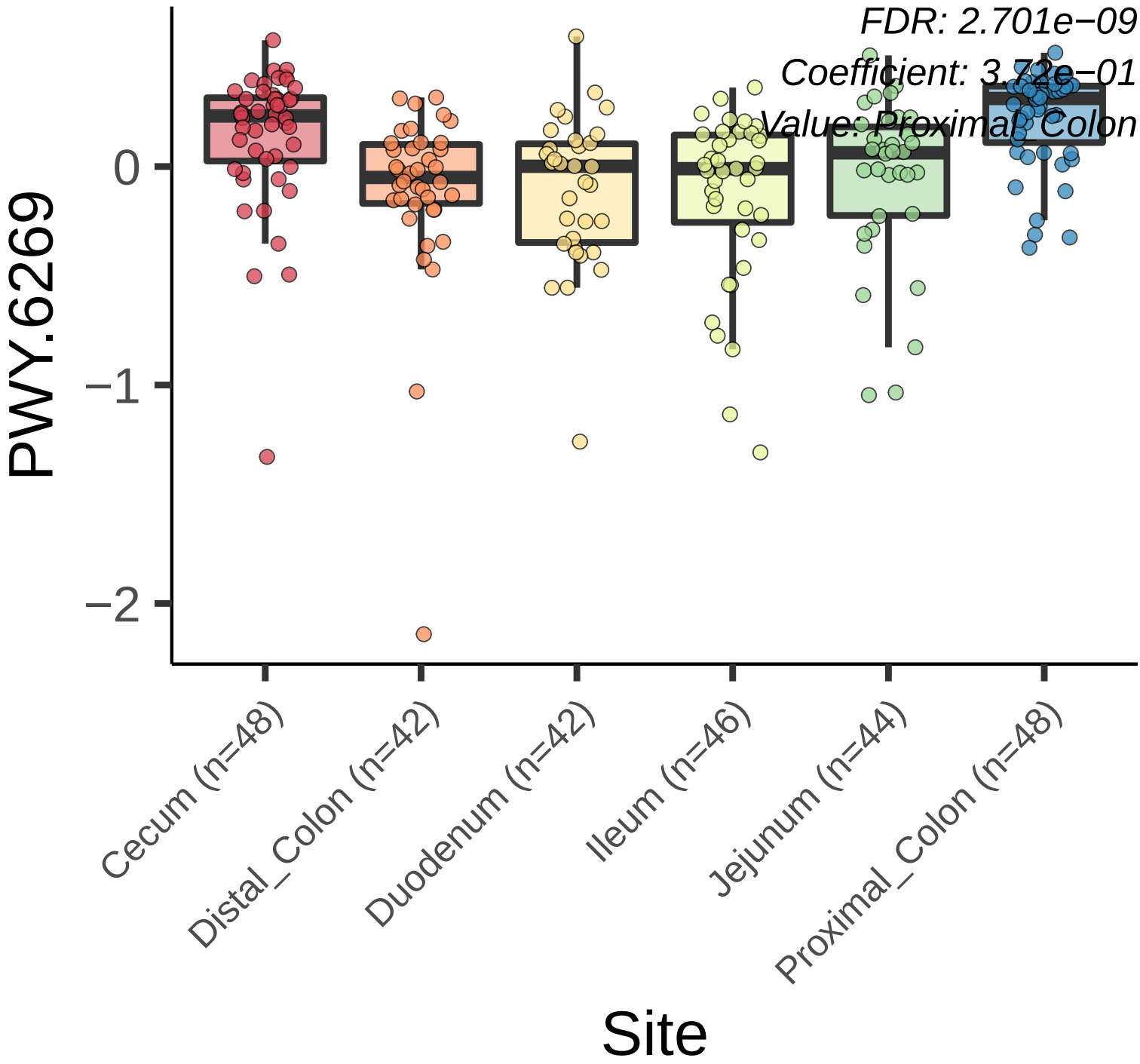

FDR: 2.359e−09
Coefficient: 1.13e−01
Value: Ileum
PWY0.162
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

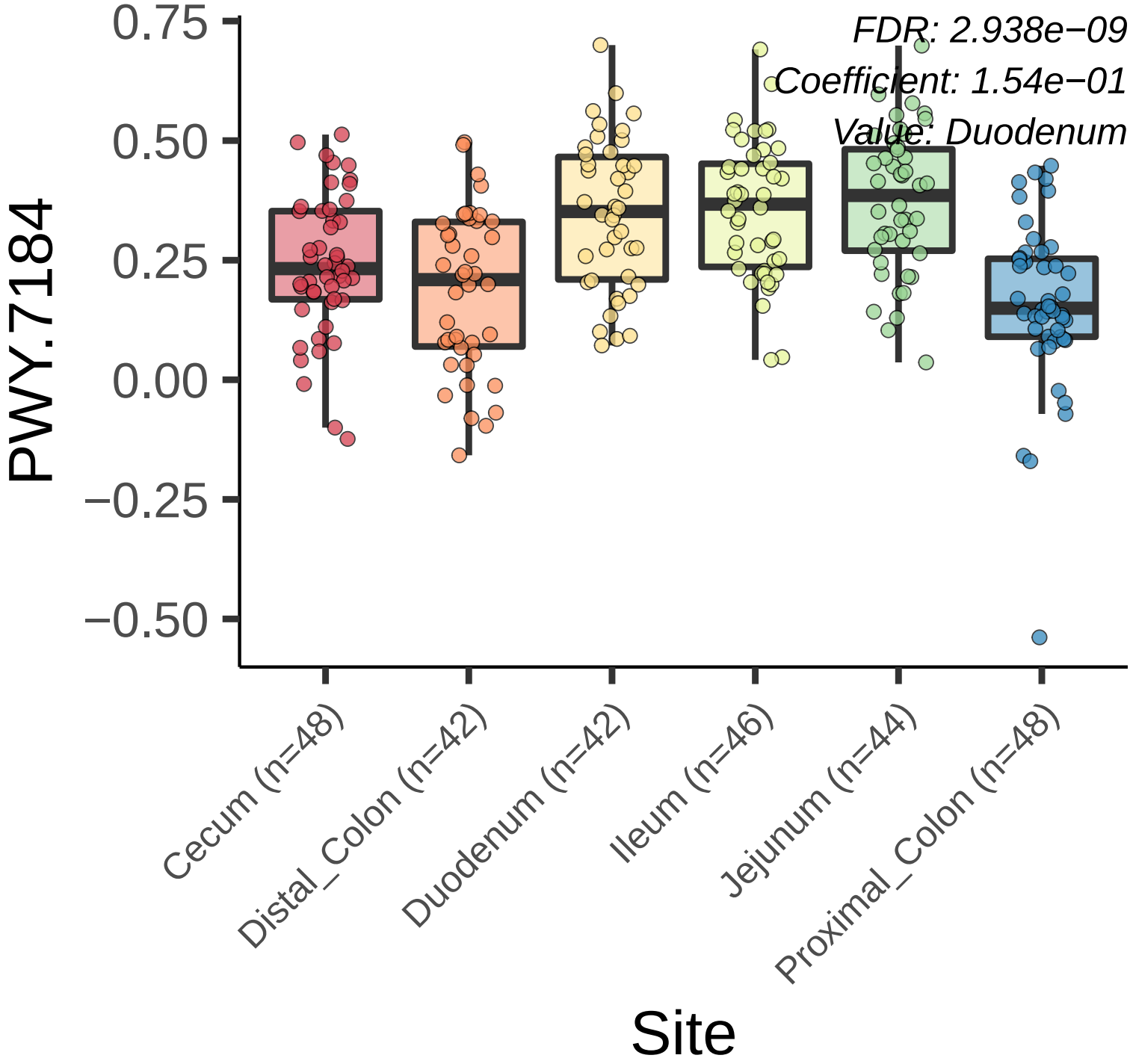

FDR: 2.419e−09
Coefficient: 1.37e−01
Value: Proximal_Colon
ARGSYNBSUB.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

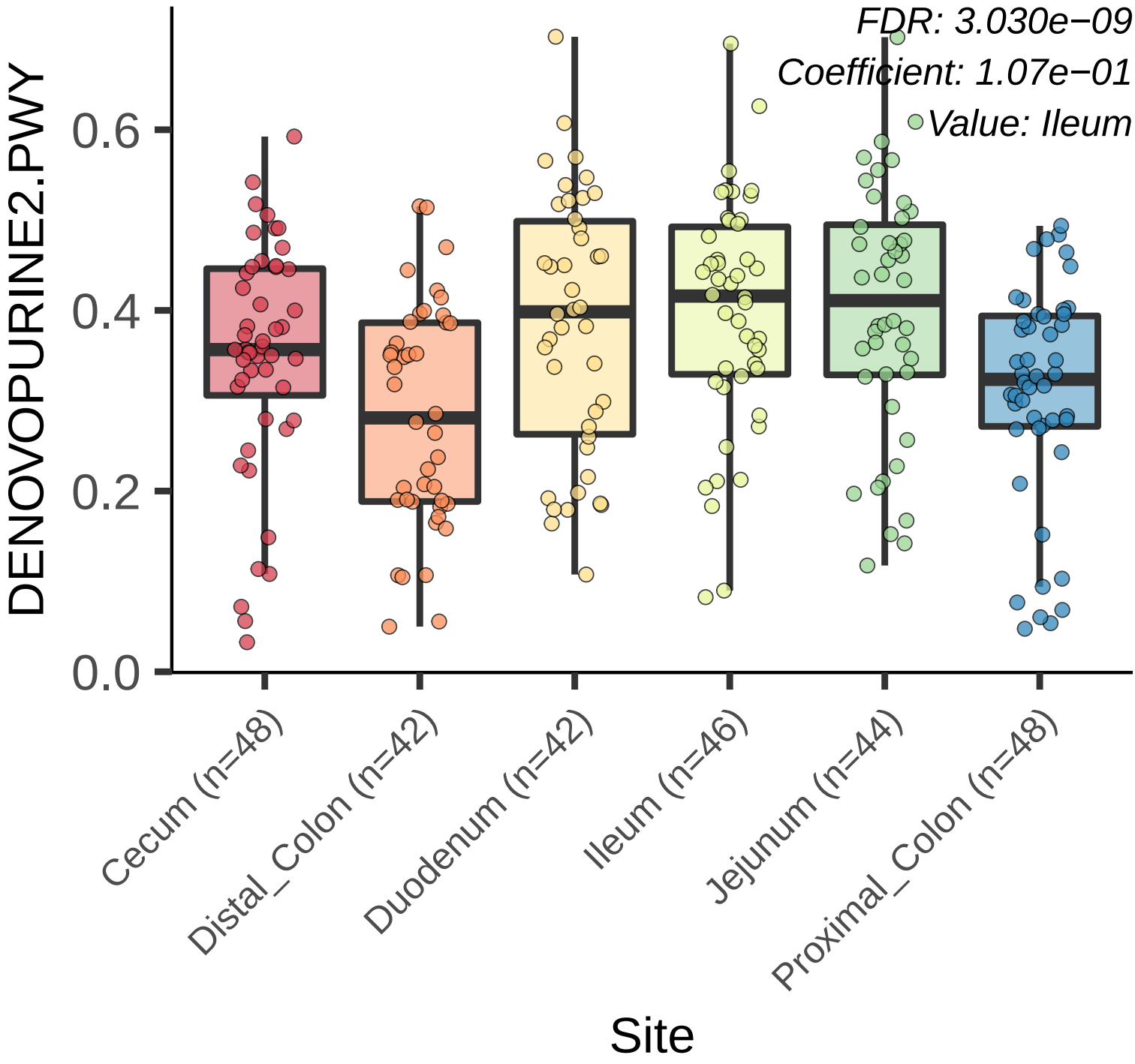

FDR: 2.485e−09
Coefficient: 1.02e−01
Value: Jejunum
PWY.6386
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

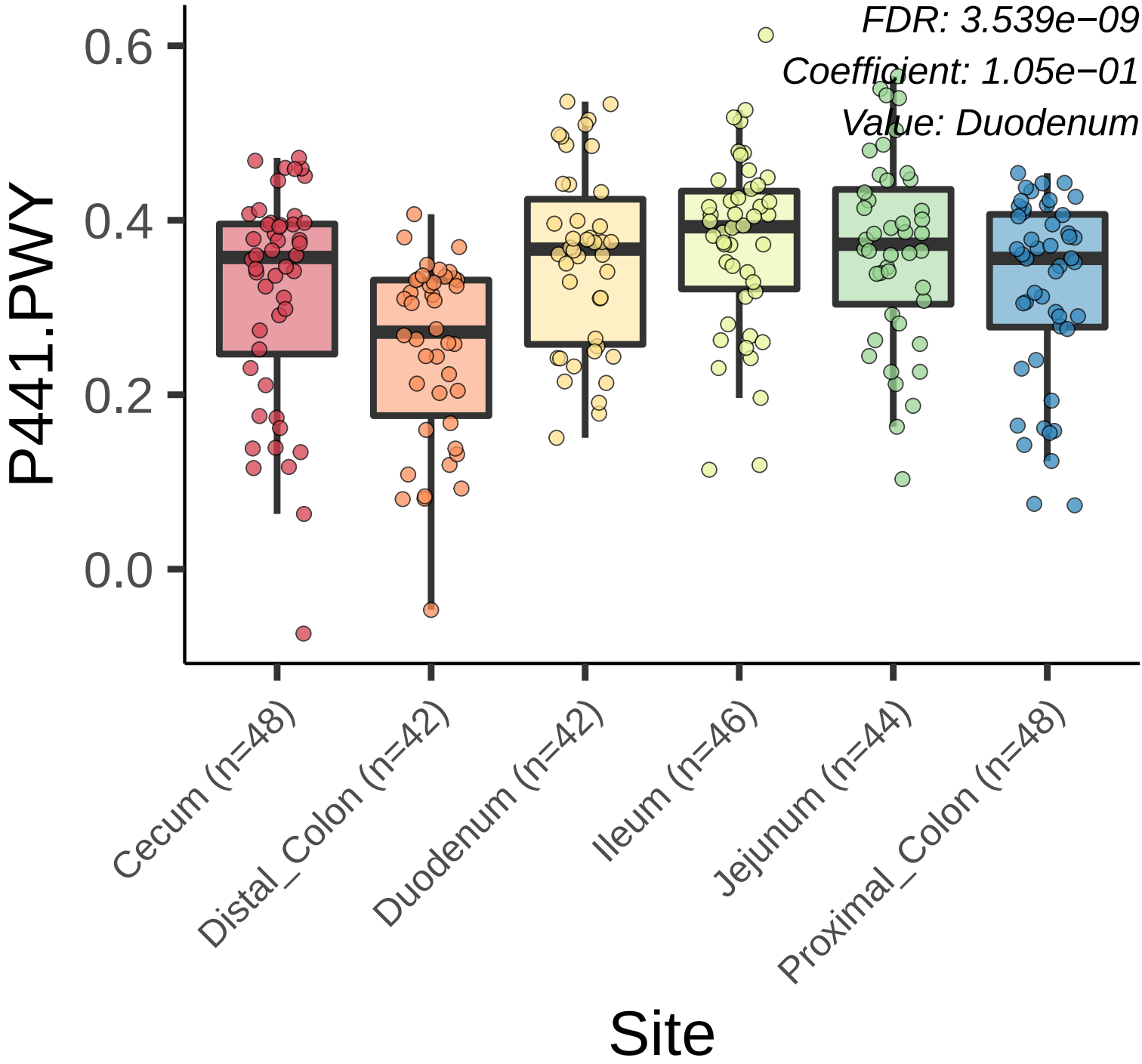

FDR: 2.494e−09
Coefficient: 1.01e−01
Value: Jejunum
PEPTIDOGLYCANSYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

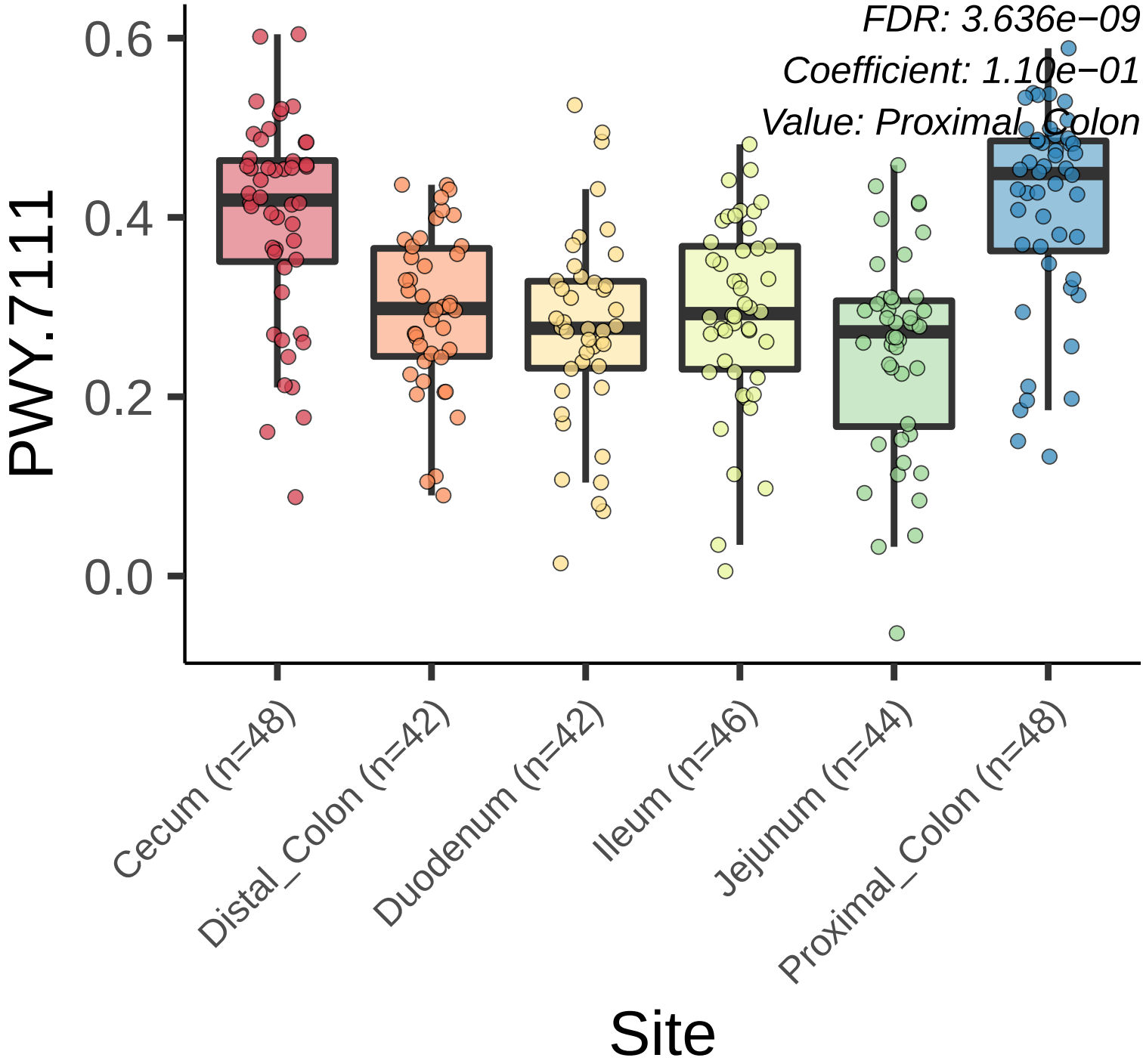

FDR: 2.701e−09
Coefficient: 1.23e−01
Value: Ileum
OANTIGEN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

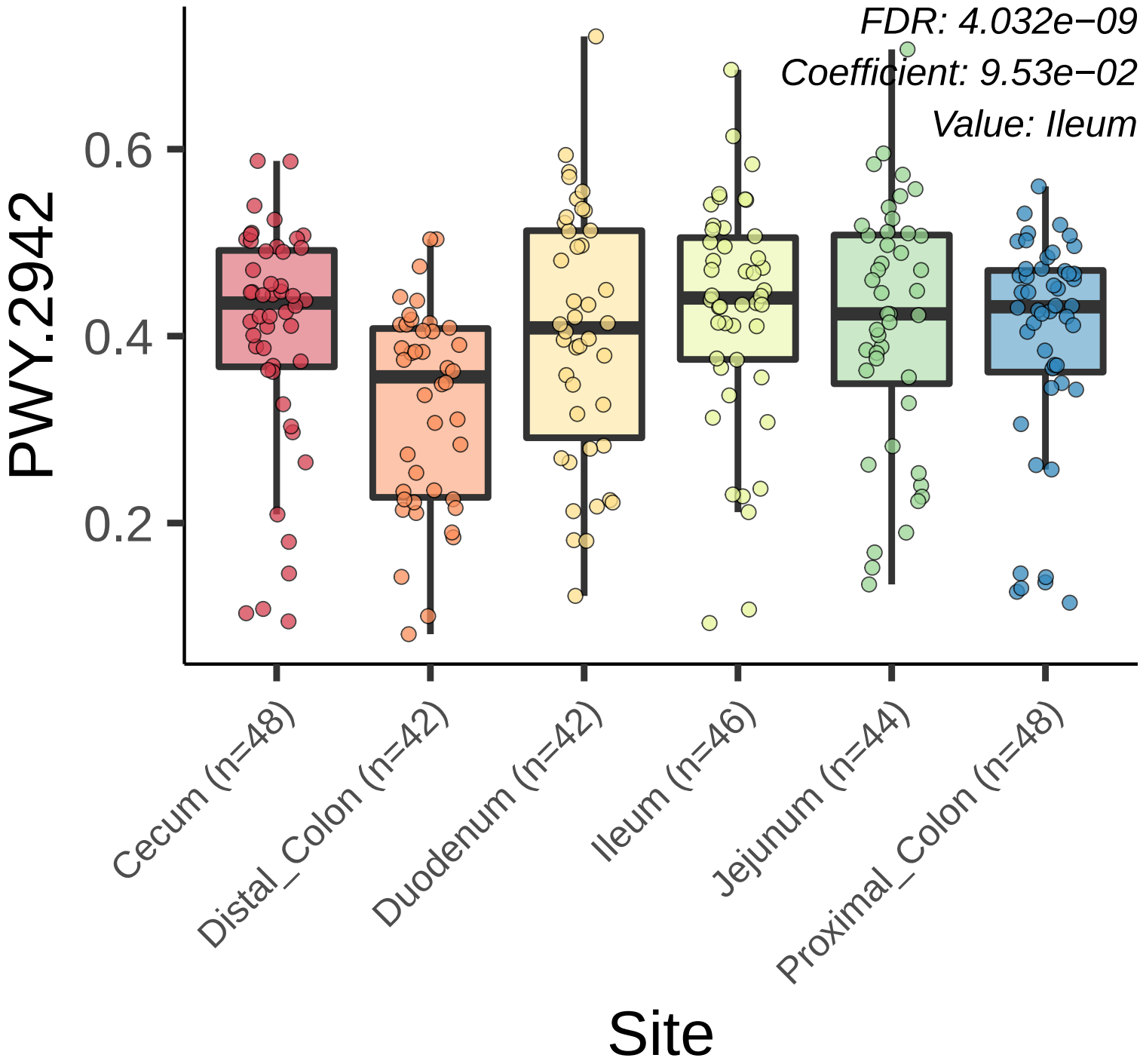

FDR: 2.701e−09
Coefficient: 3.72e−01
Value: Proximal_Colon
PWY.6269
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

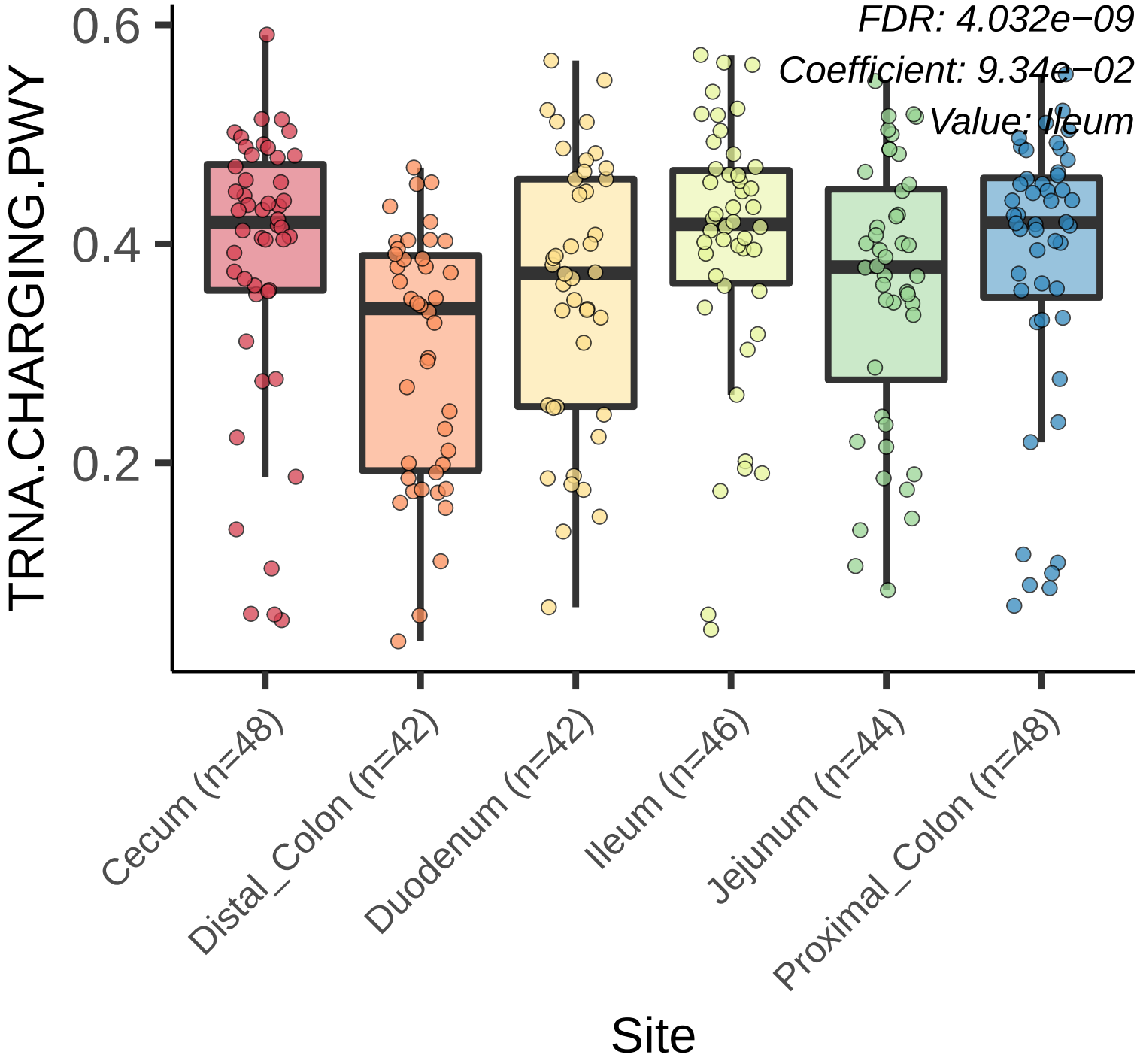

FDR: 2.938e−09
Coefficient: 1.54e−01
Value: Duodenum
PWY.7184
0.75
0.50
0.25
0.00
−0.25
−0.50
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

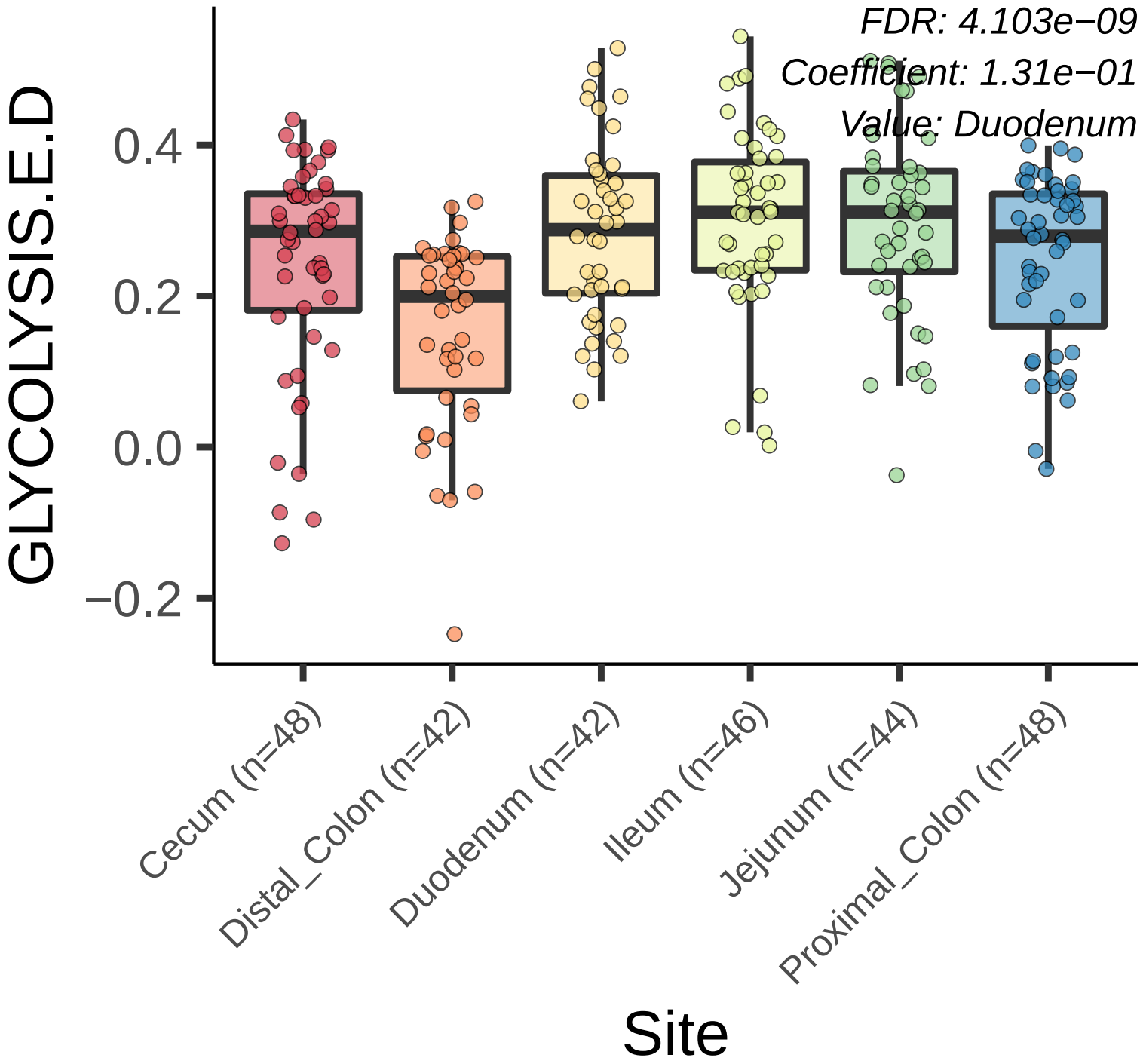

FDR: 3.030e−09
Coefficient: 1.07e−01
Value: Ileum
DENOVOPURINE2.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

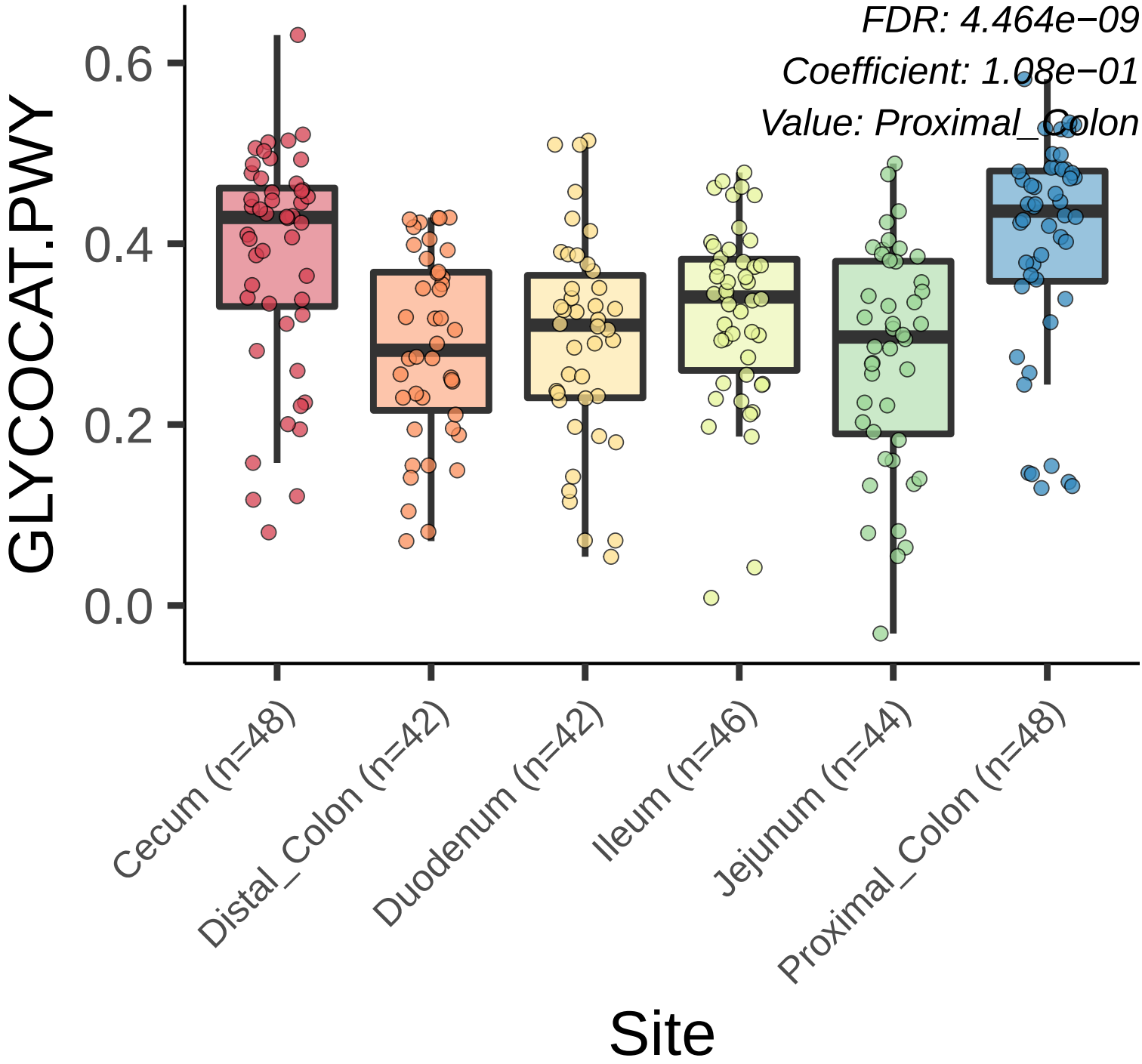

FDR: 3.539e−09
Coefficient: 1.05e−01
Value: Duodenum
P441.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

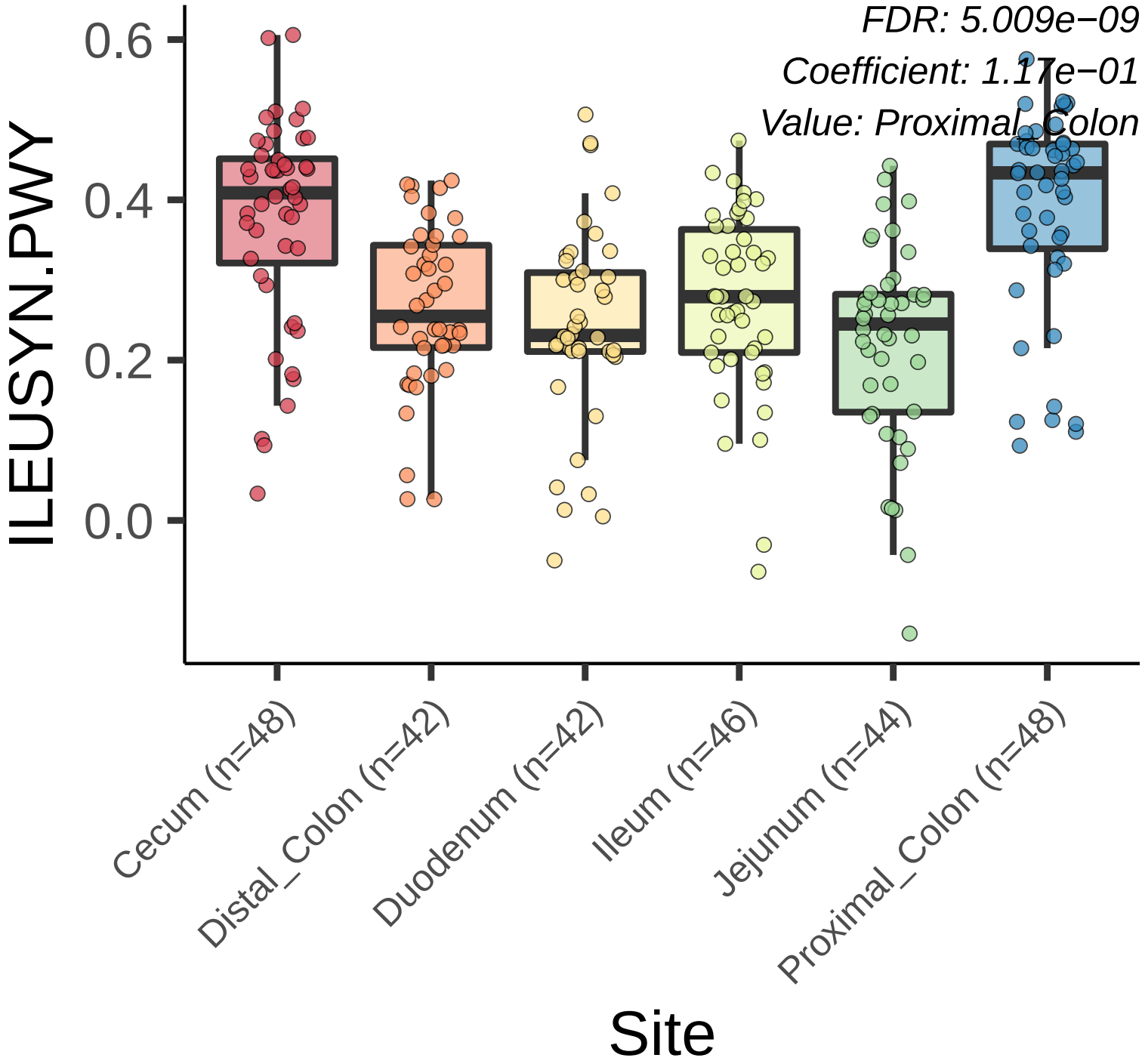

FDR: 3.636e−09
Coefficient: 1.10e−01
Value: Proximal_Colon
PWY.7111
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

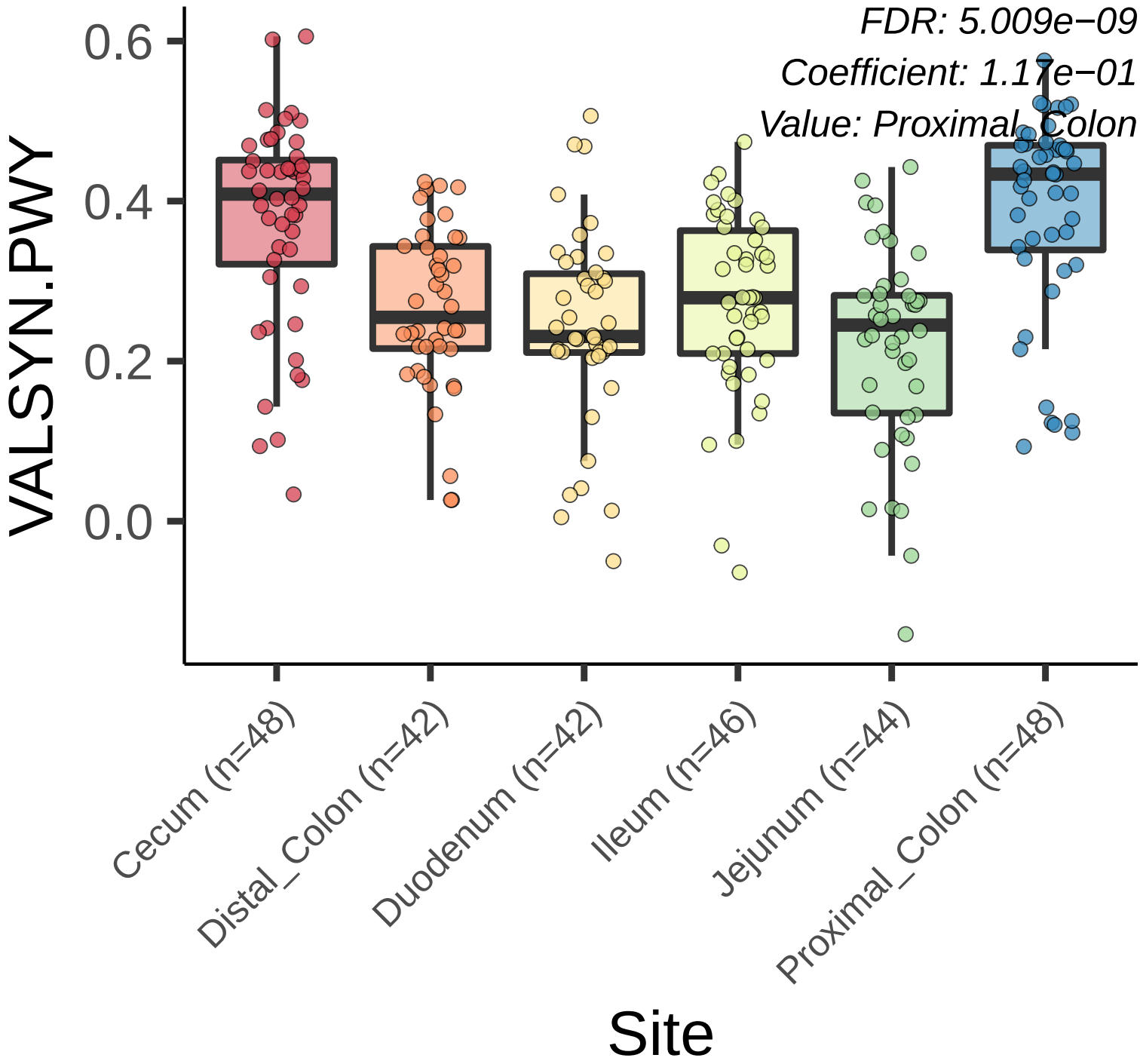

FDR: 4.032e−09
Coefficient: 9.53e−02
Value: Ileum
PWY.2942
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

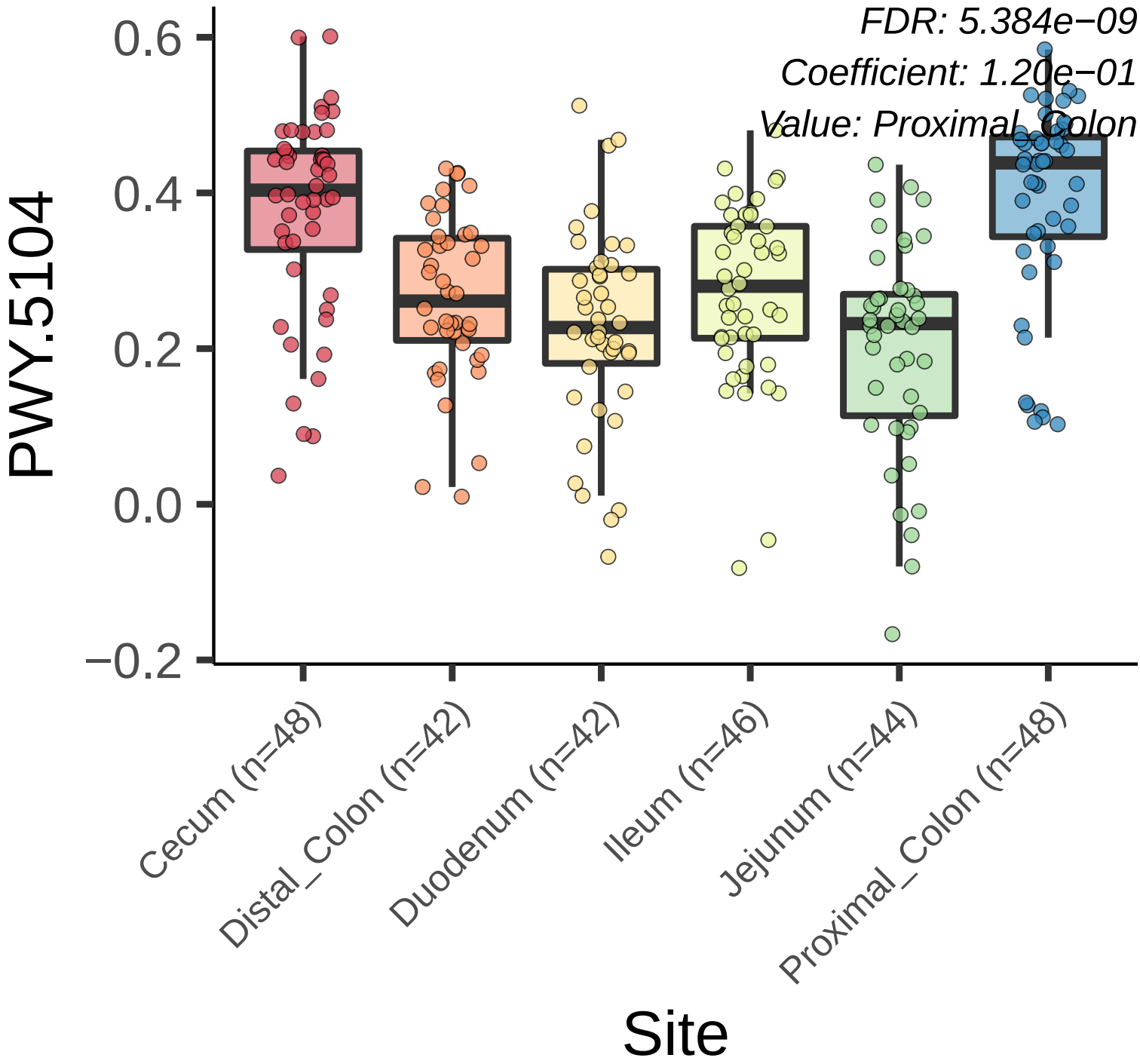

FDR: 4.032e−09
Coefficient: 9.34e−02
Value: Ileum
TRNA.CHARGING.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

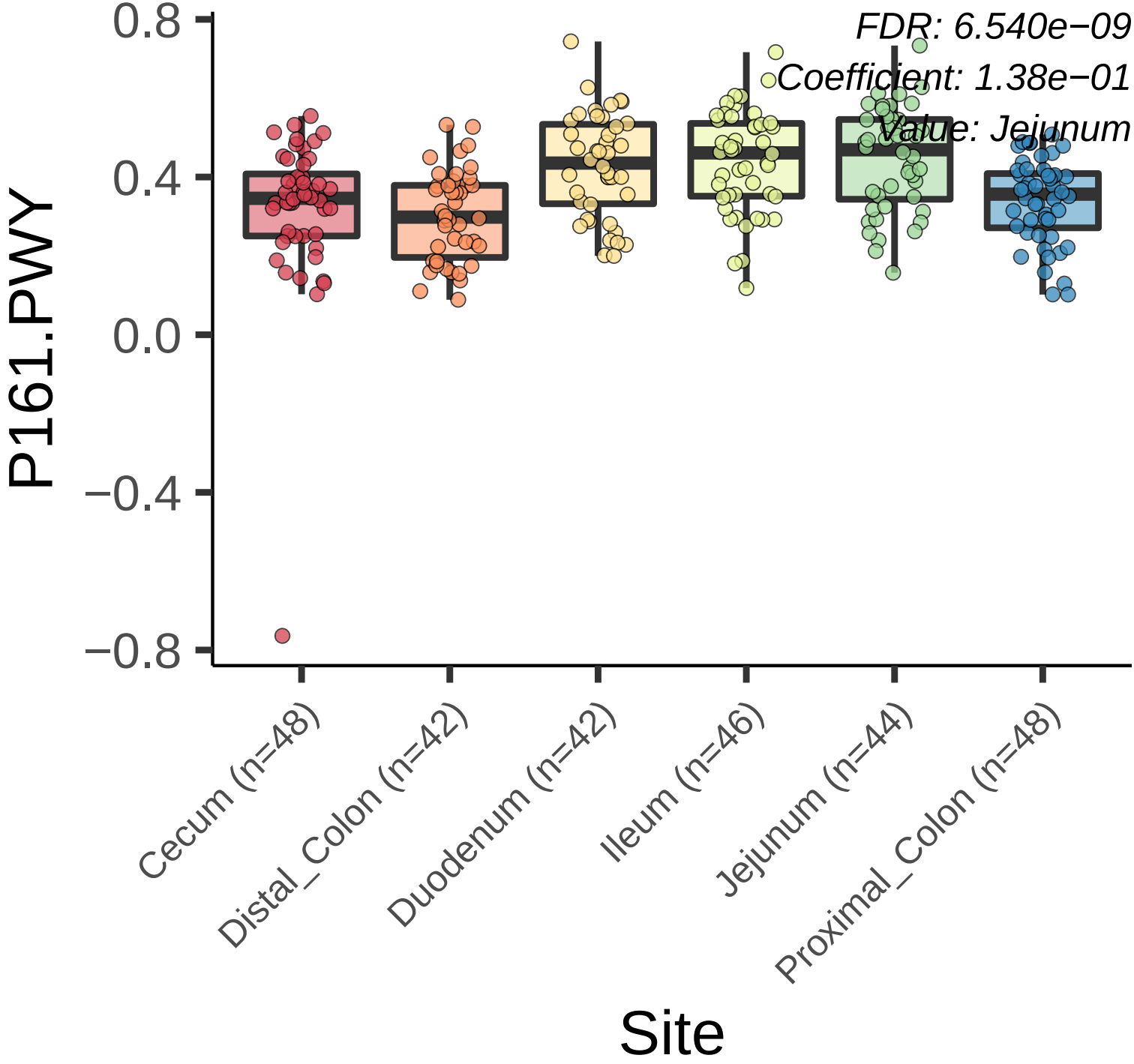

FDR: 4.103e−09
Coefficient: 1.31e−01
Value: Duodenum
GLYCOLYSIS.E.D
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

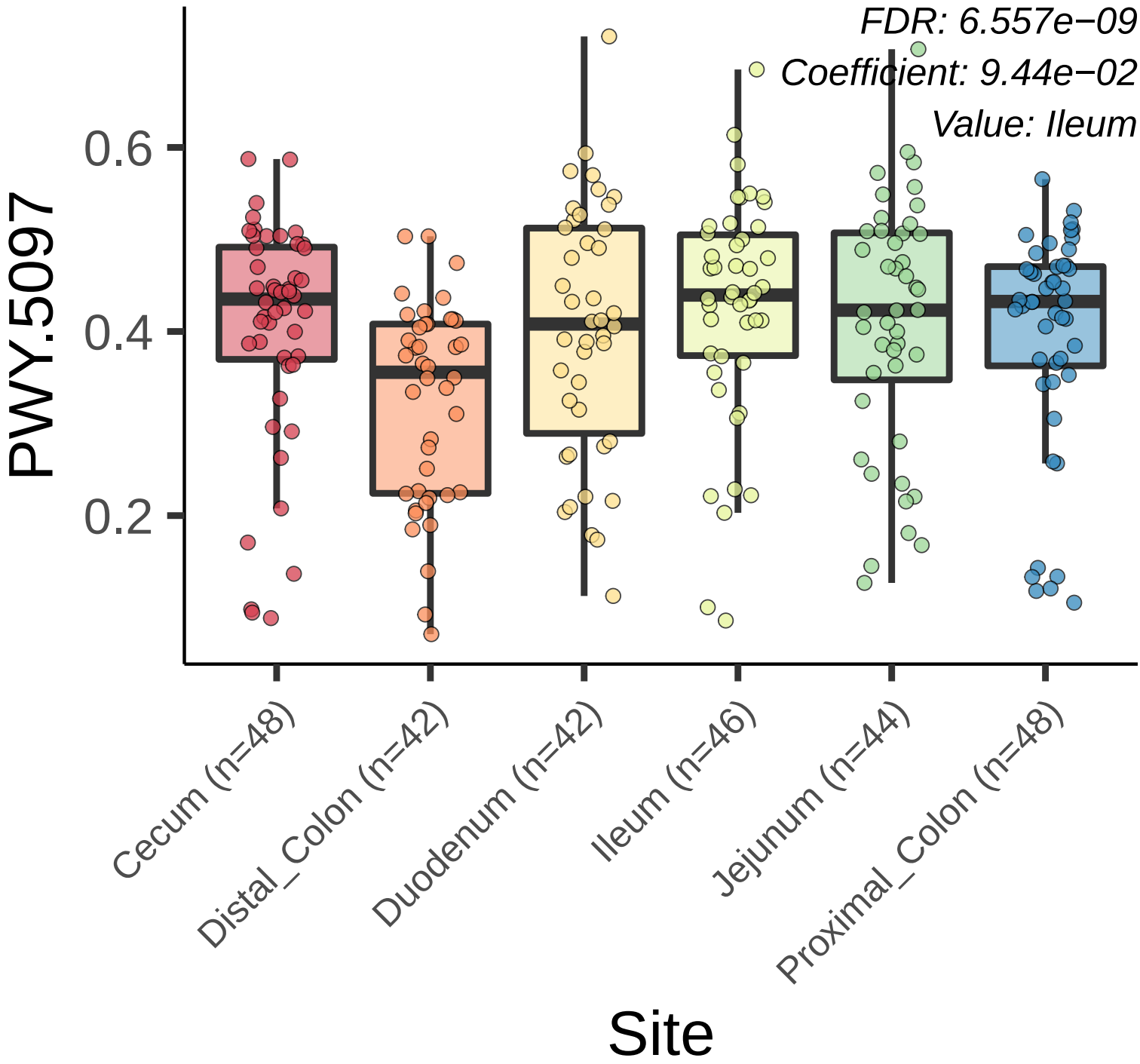

FDR: 4.464e−09
Coefficient: 1.08e−01
Value: Proximal_Colon
GLYCOCAT.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

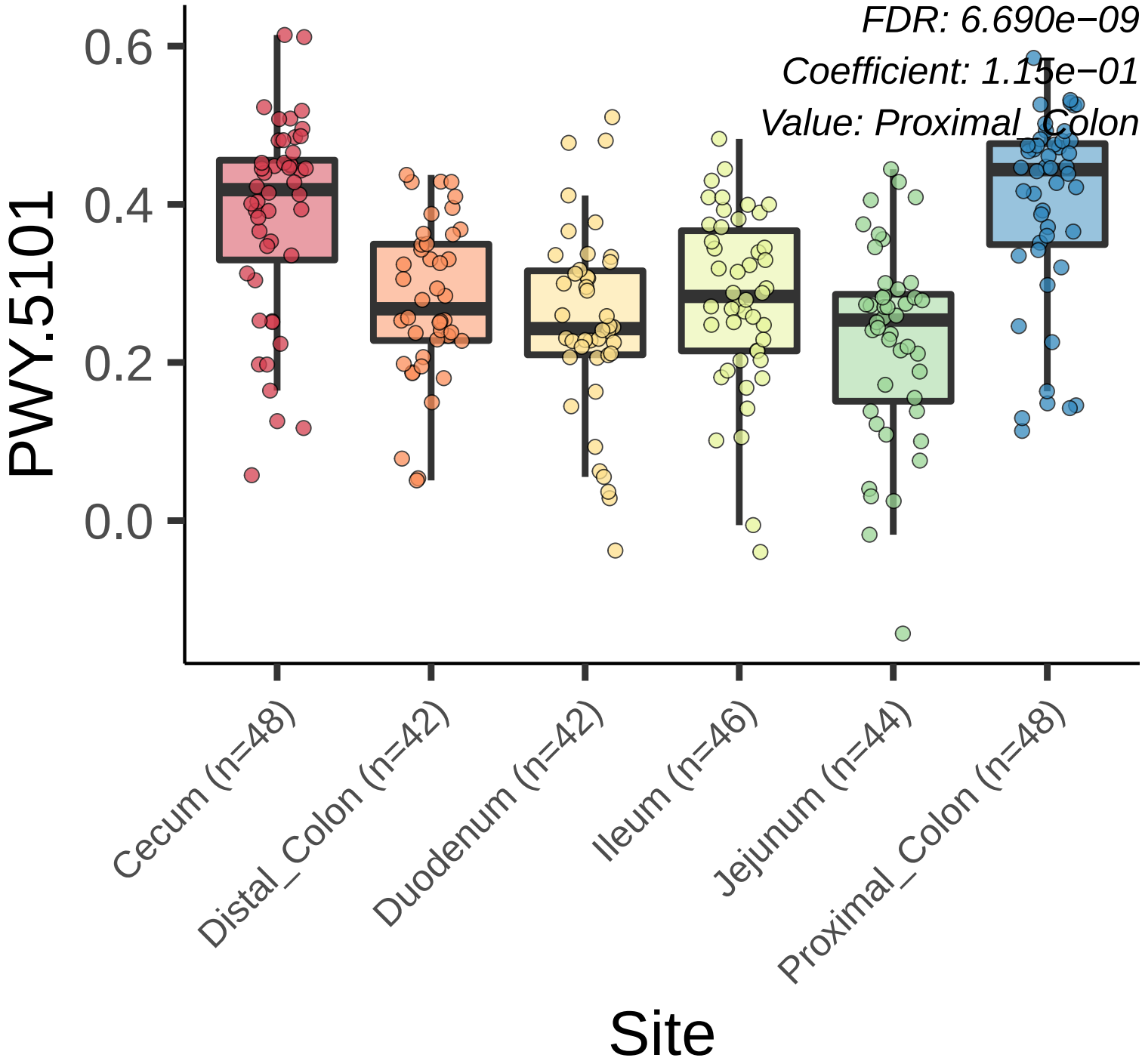

FDR: 5.009e−09
Coefficient: 1.17e−01
Value: Proximal_Colon
ILEUSYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

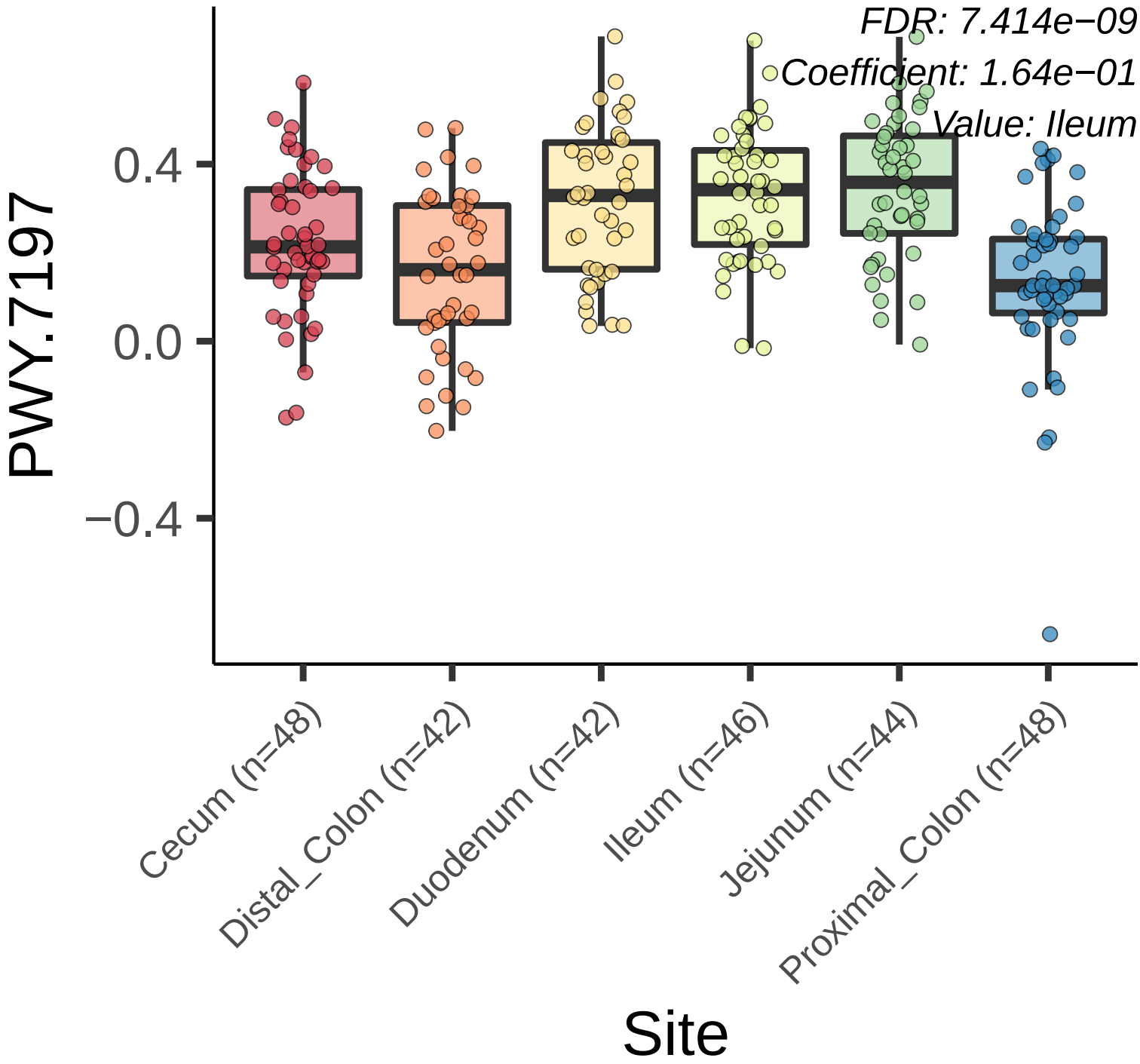

FDR: 5.009e−09
Coefficient: 1.17e−01
Value: Proximal_Colon
VALSYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

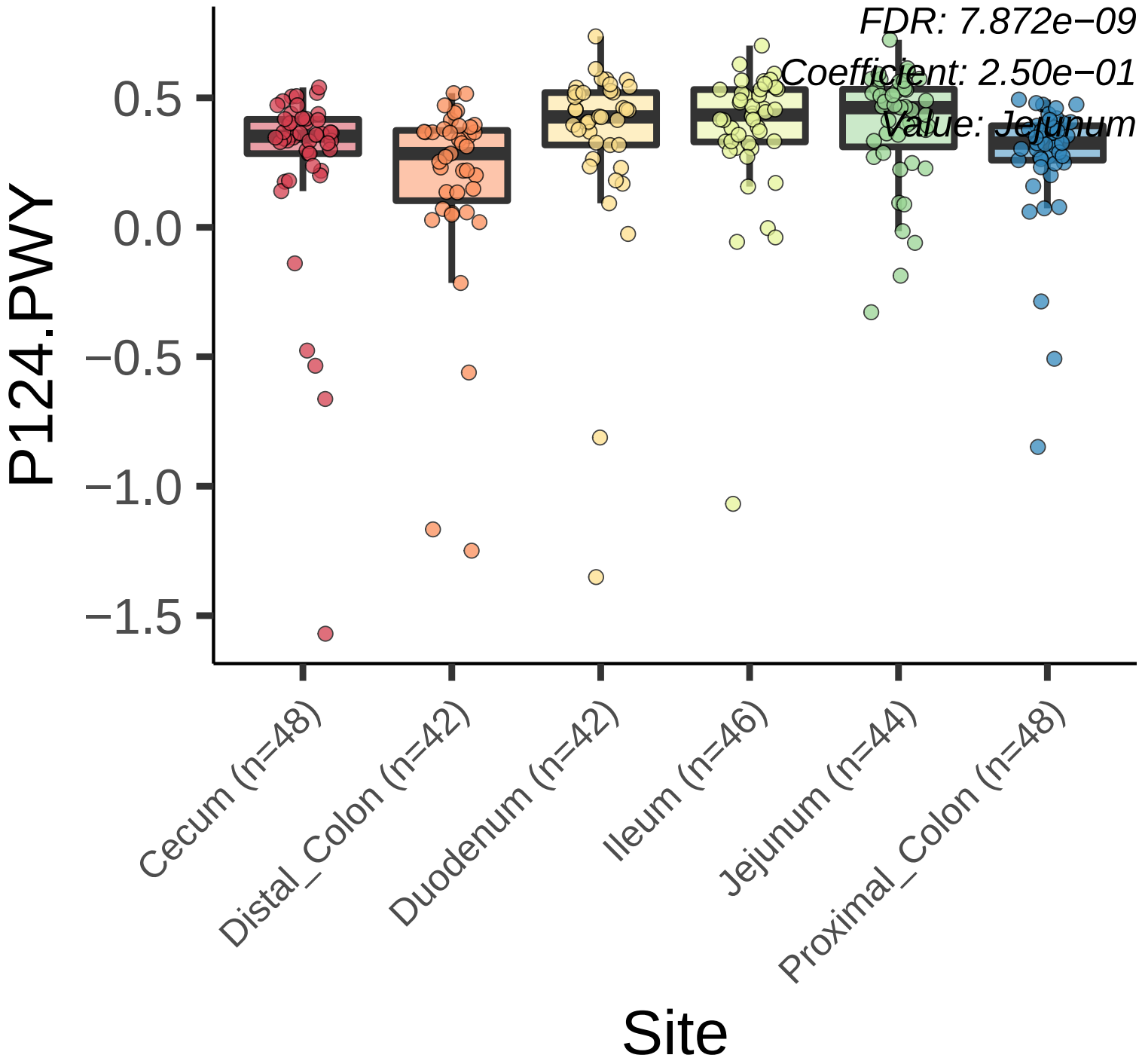

FDR: 5.384e−09
Coefficient: 1.20e−01
Value: Proximal_Colon
PWY.5104
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

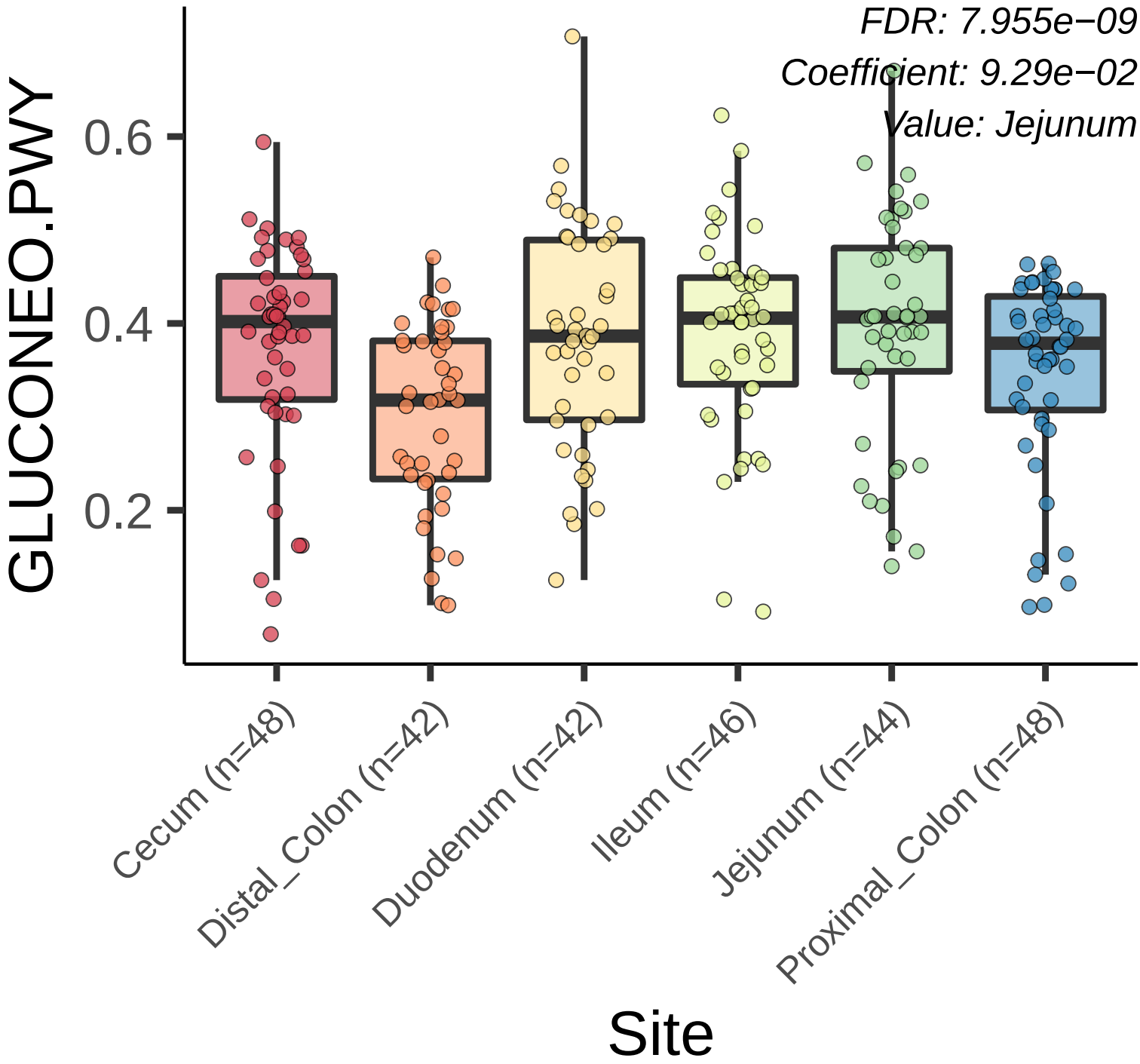

FDR: 6.540e−09
Coefficient: 1.38e−01
Value: Jejunum
P161.PWY
0.8
0.4
0.0
−0.4
−0.8
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

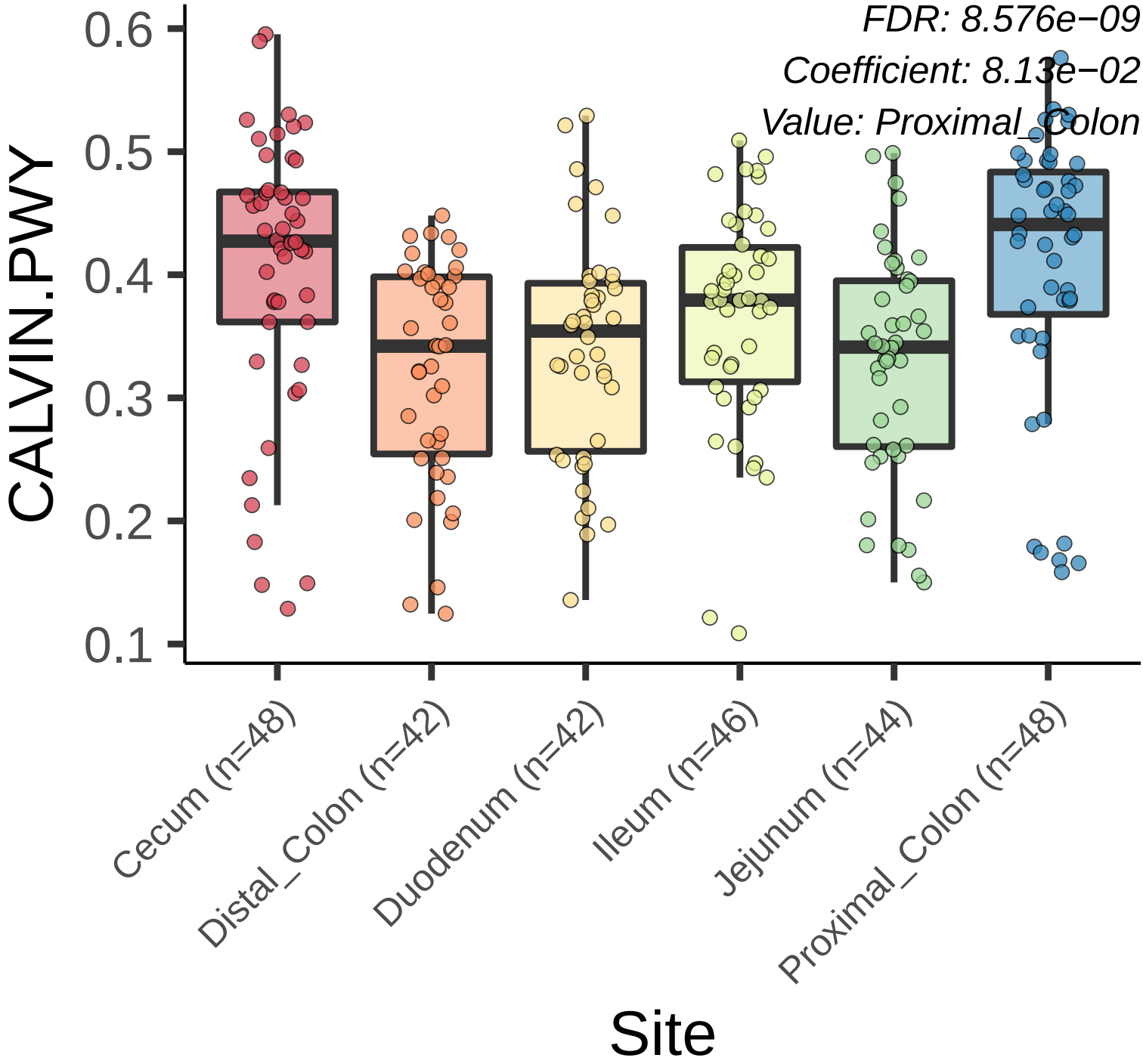

FDR: 6.557e−09
Coefficient: 9.44e−02
Value: Ileum
PWY.5097
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

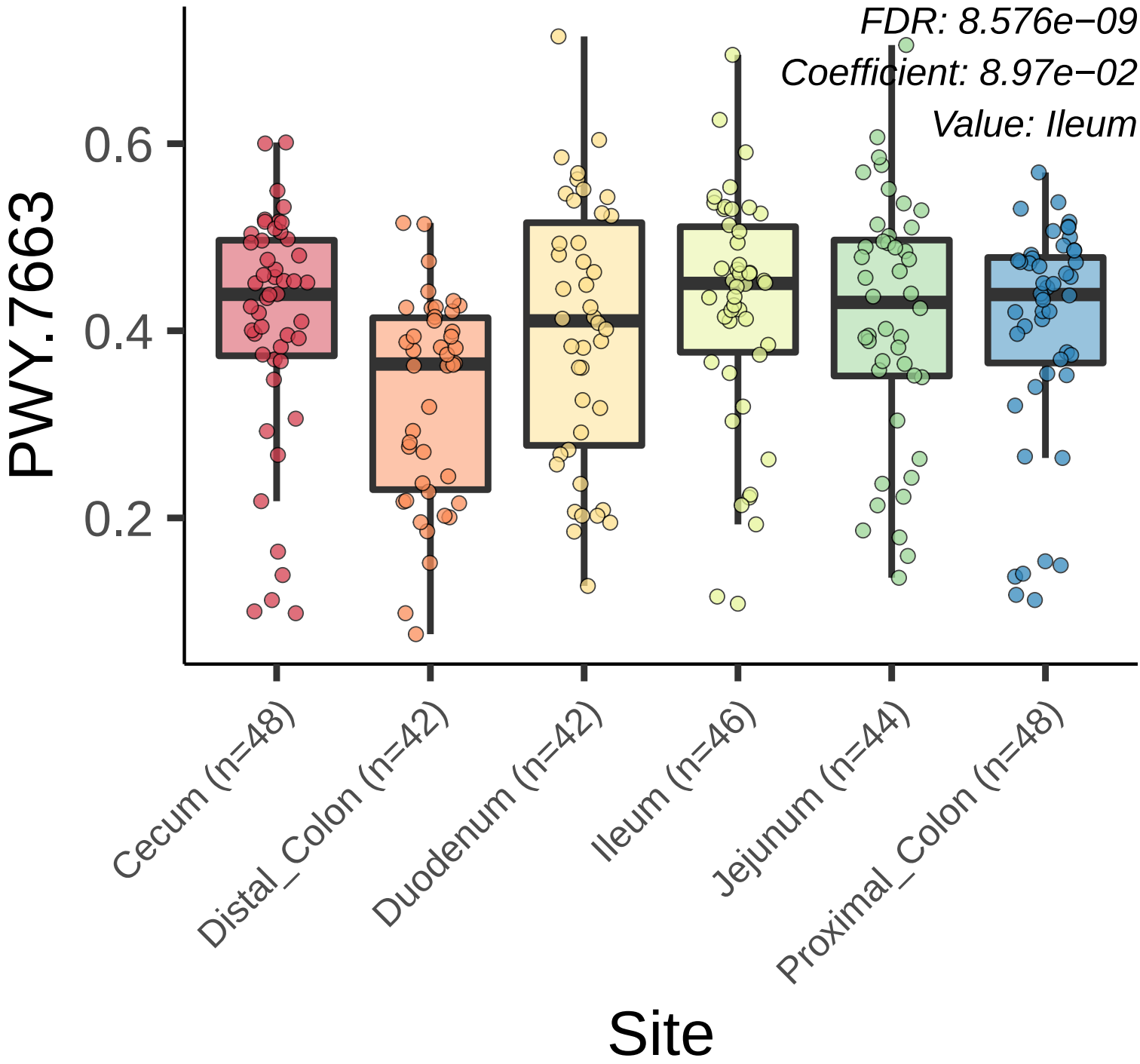

FDR: 6.690e−09
Coefficient: 1.15e−01
Value: Proximal_Colon
PWY.5101
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

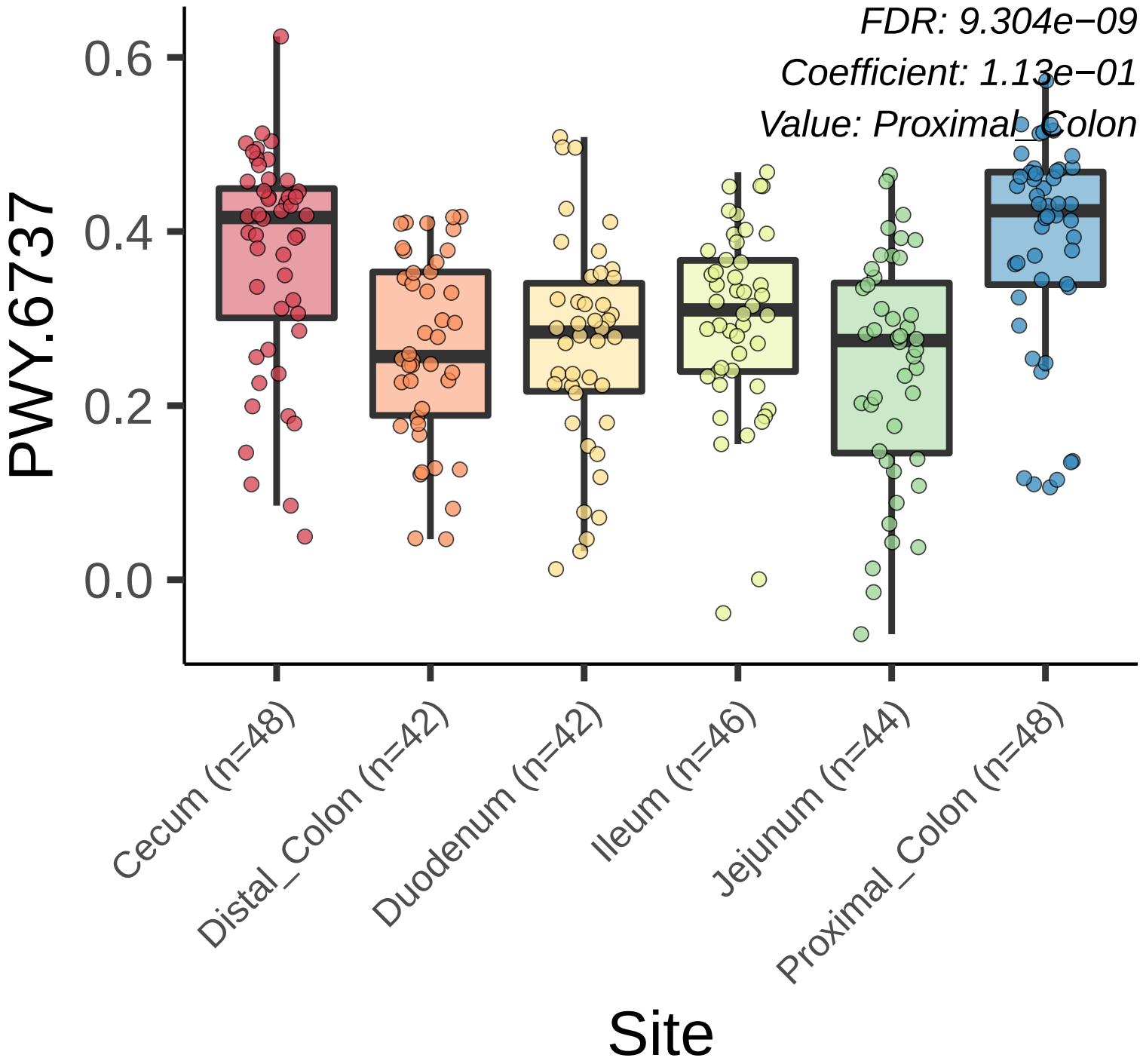

FDR: 7.414e−09
Coefficient: 1.64e−01
Value: Ileum
PWY.7197
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

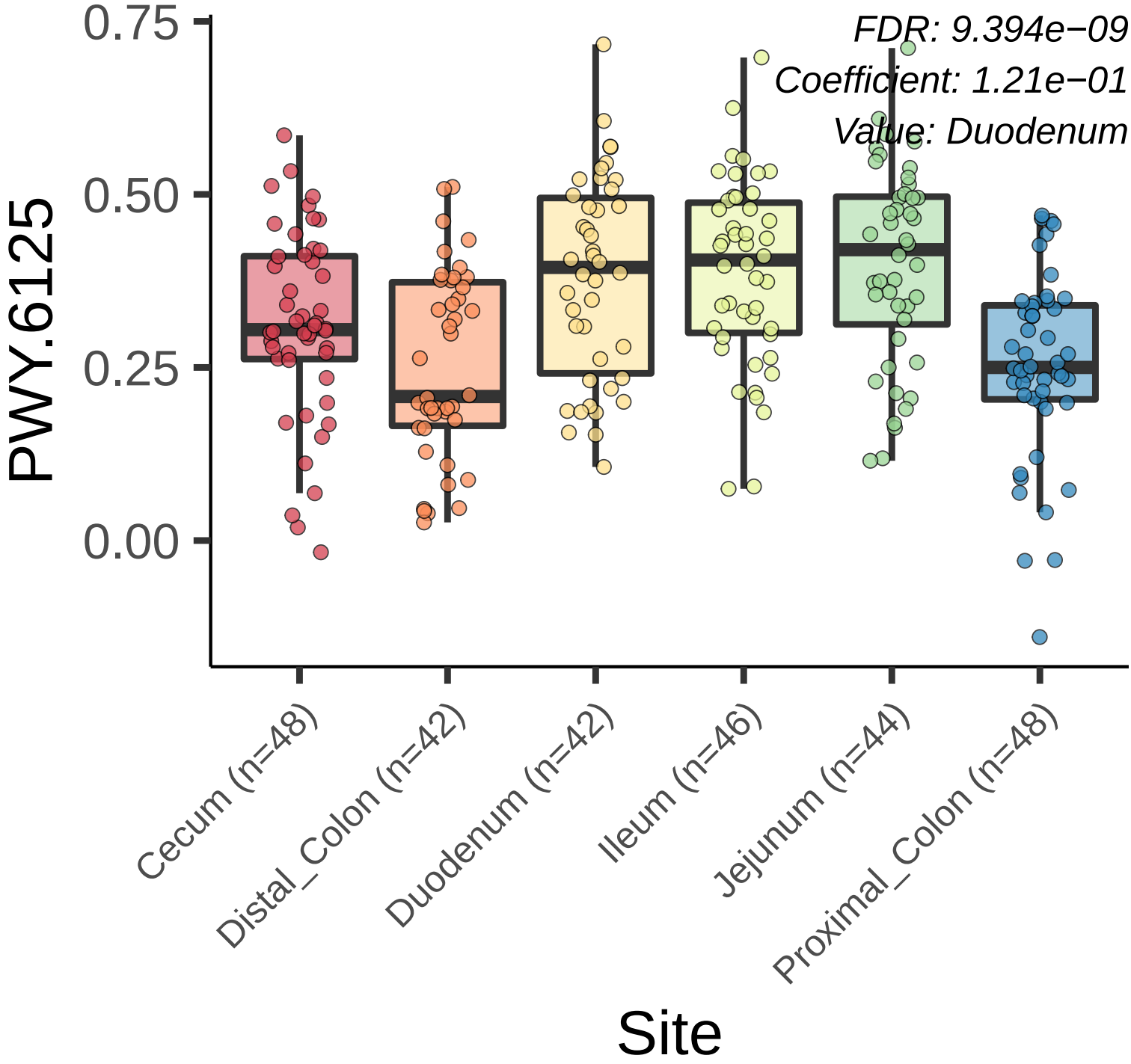

FDR: 7.872e−09
Coefficient: 2.50e−01
Value: Jejunum
P124.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

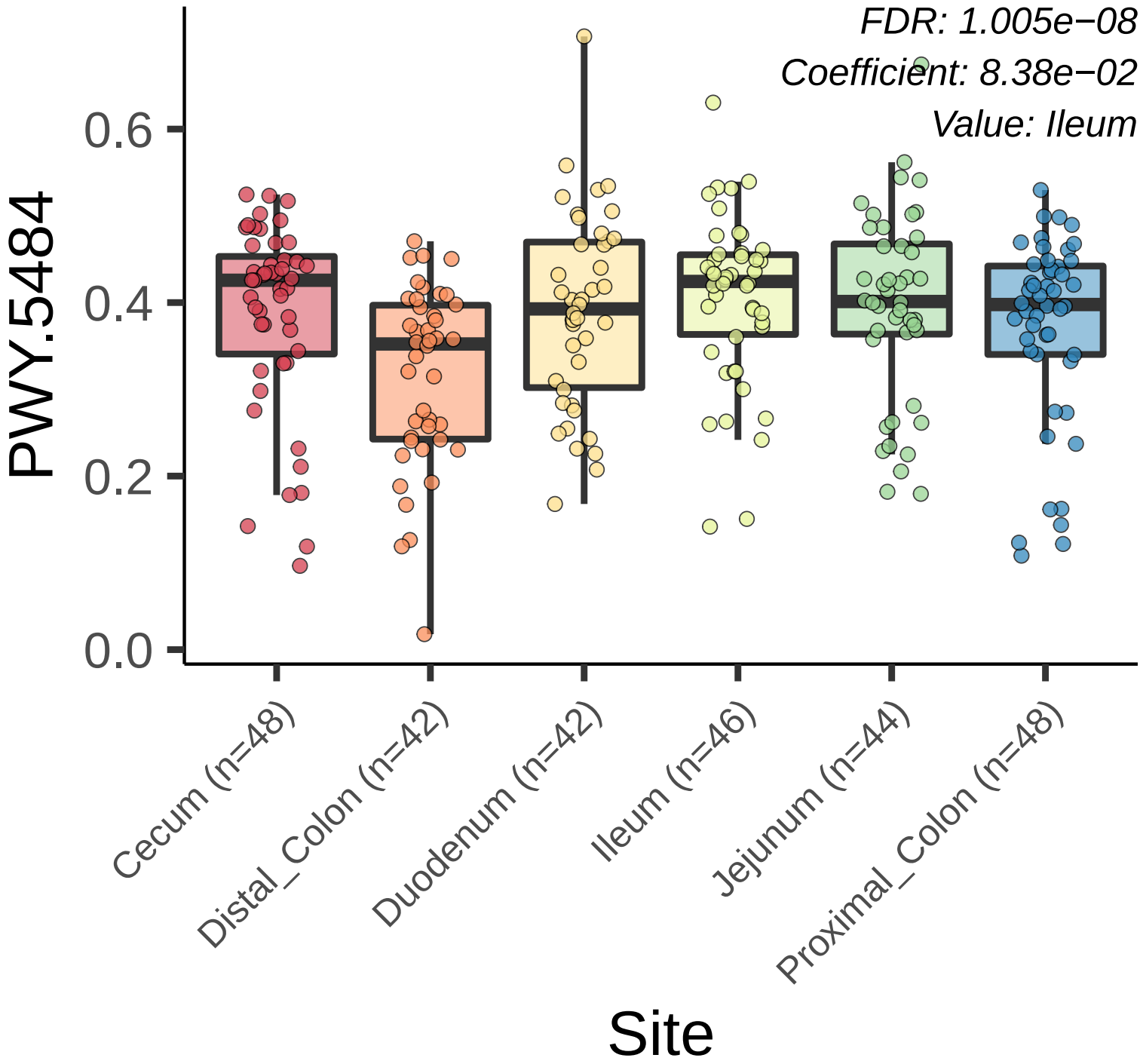

FDR: 7.955e−09
Coefficient: 9.29e−02
Value: Jejunum
GLUCONEO.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

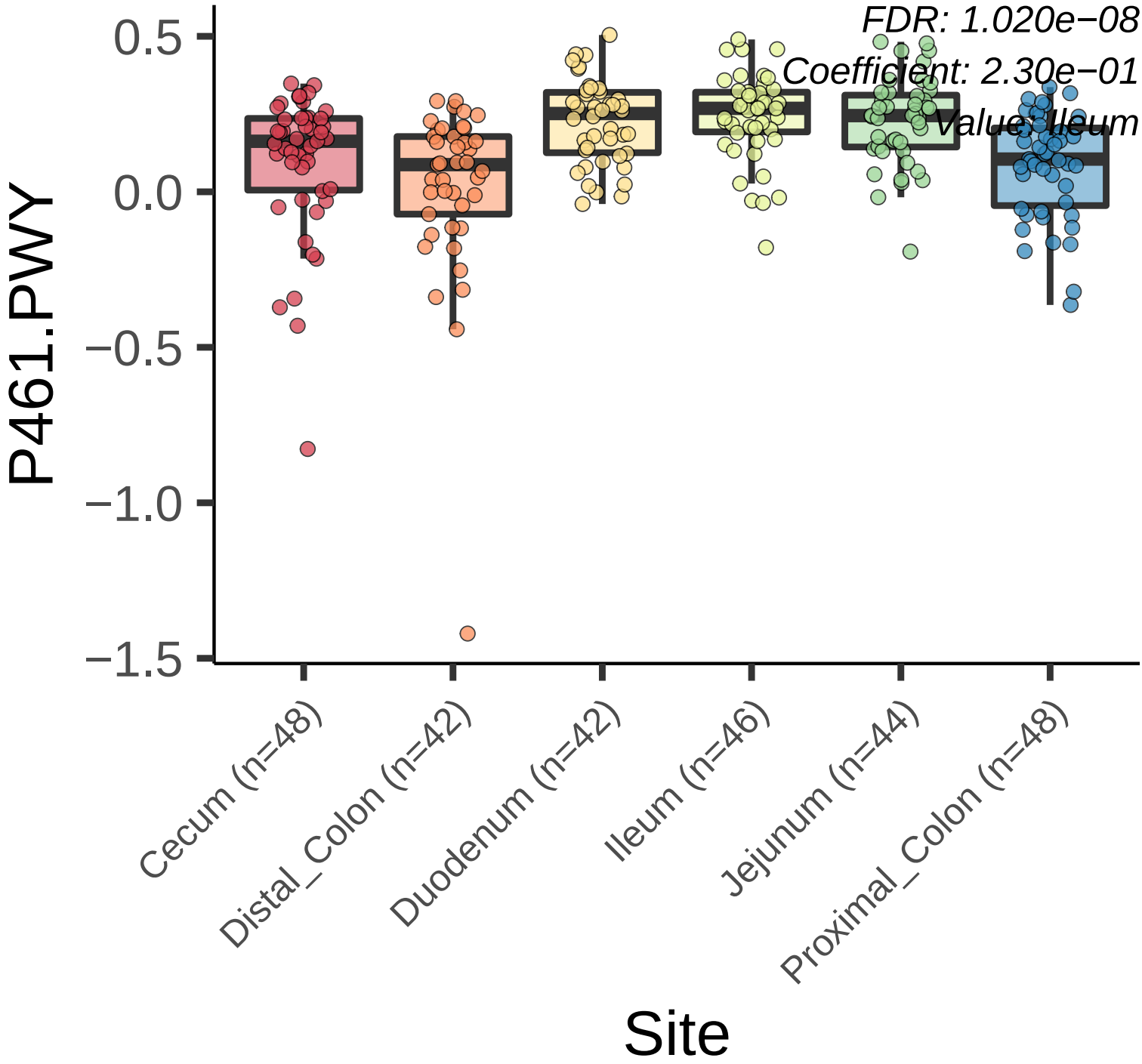

FDR: 8.576e−09
Coefficient: 8.13e−02
Value: Proximal_Colon
CALVIN.PWY
0.6
0.5
0.4
0.3
0.2
0.1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

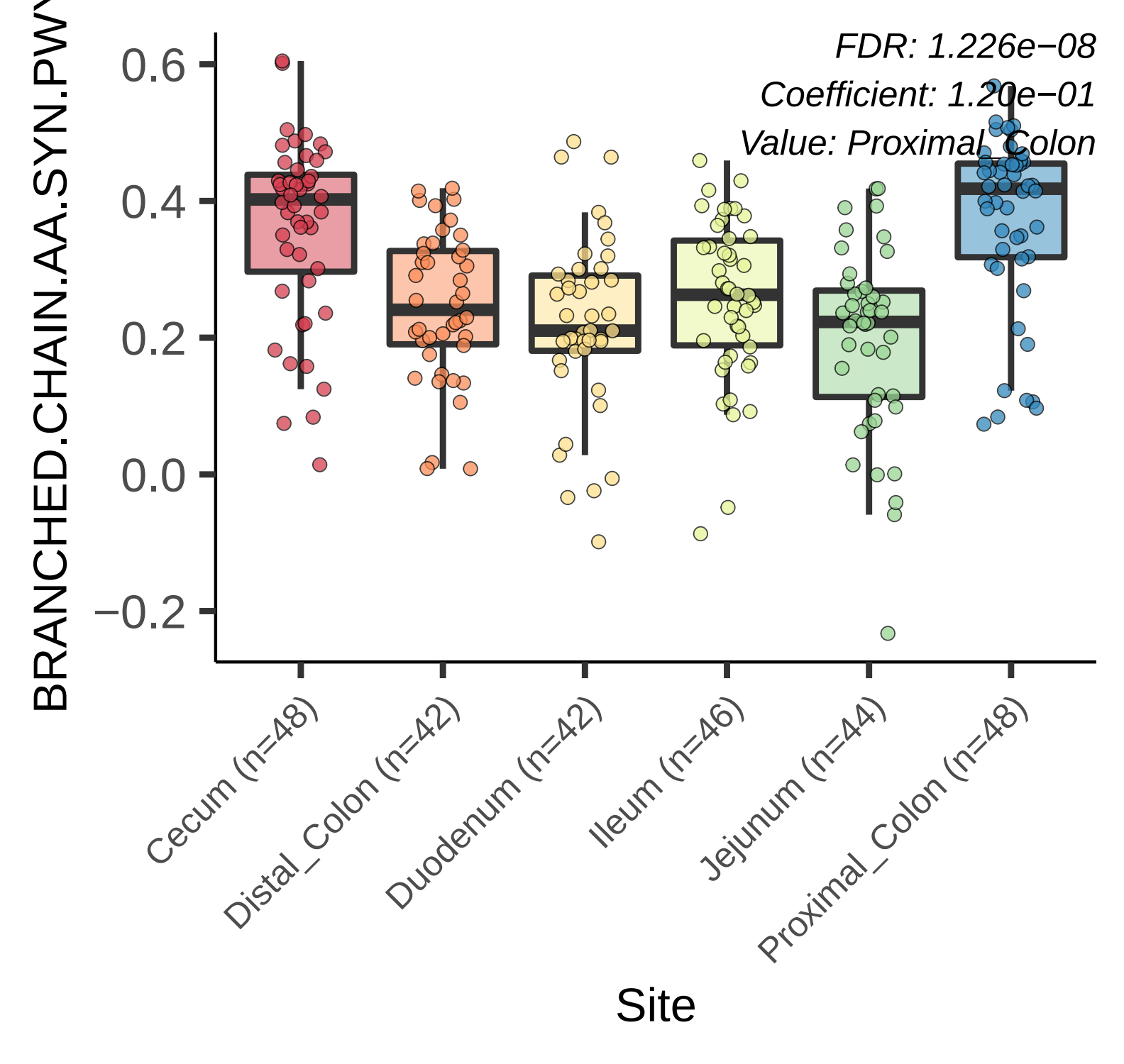

FDR: 8.576e−09
Coefficient: 8.97e−02
Value: Ileum
PWY.7663
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

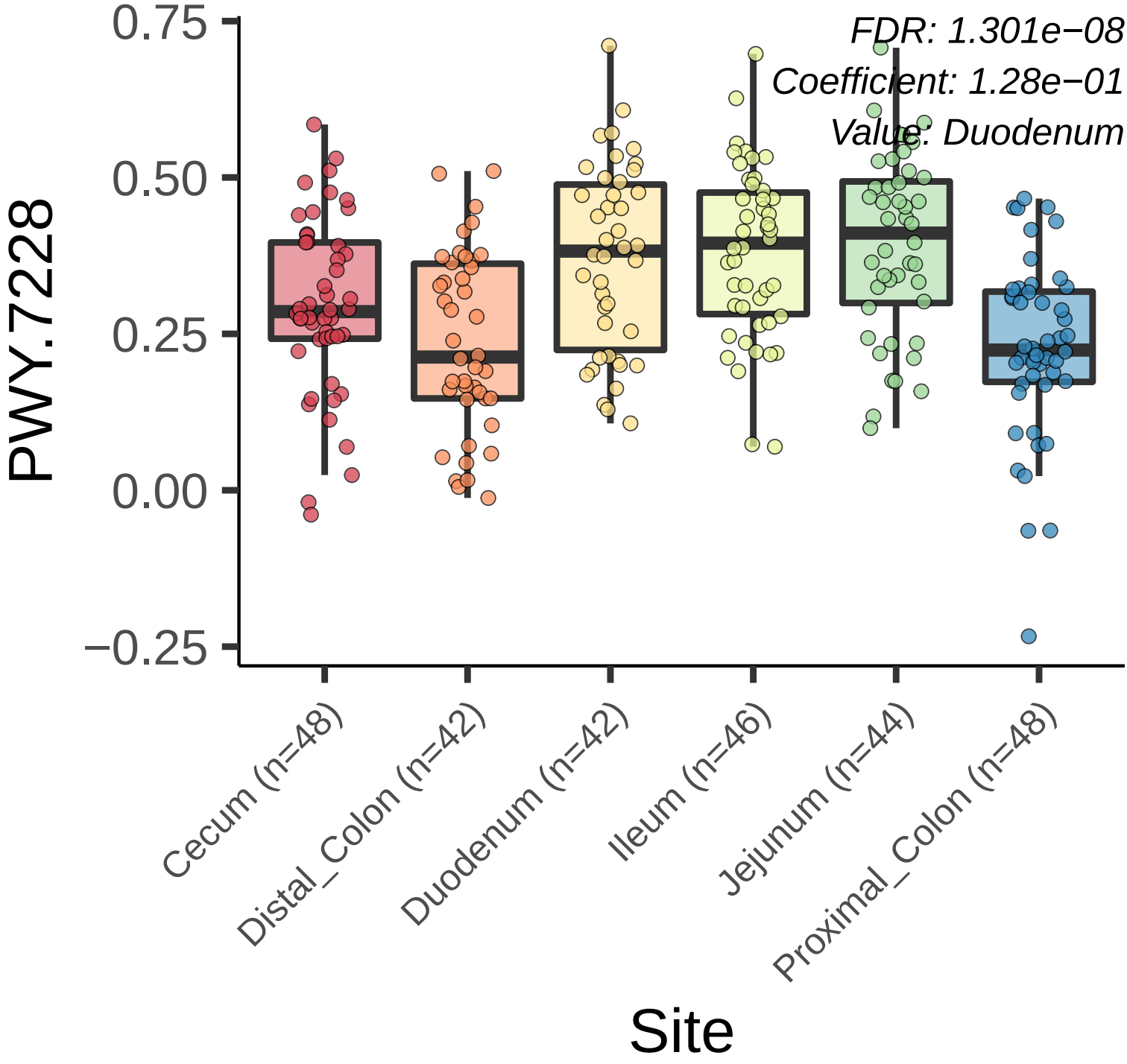

FDR: 9.304e−09
Coefficient: 1.13e−01
Value: Proximal_Colon
PWY.6737
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

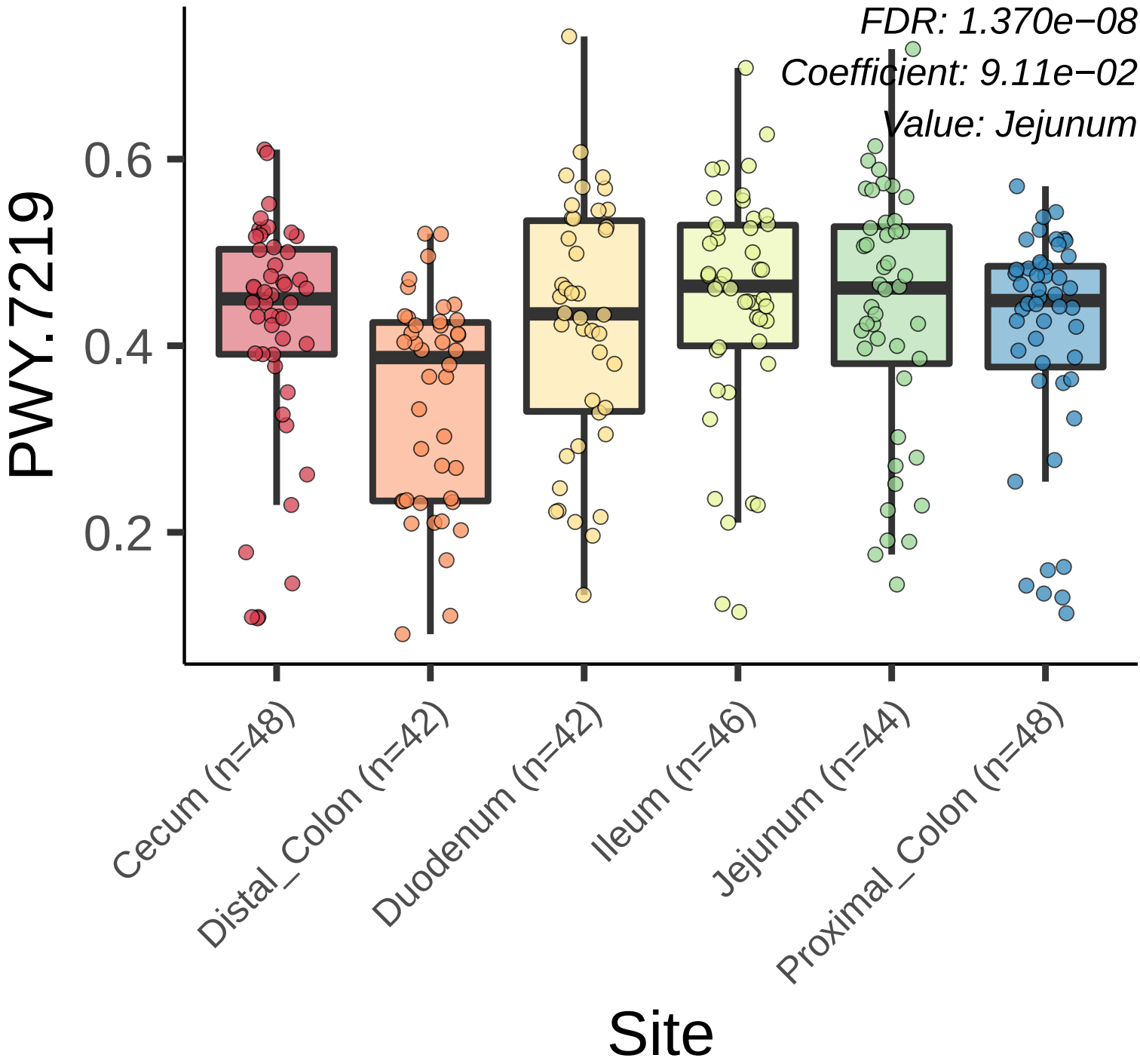

FDR: 9.394e−09
Coefficient: 1.21e−01
Value: Duodenum
PWY.6125
0.75
0.50
0.25
0.00
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

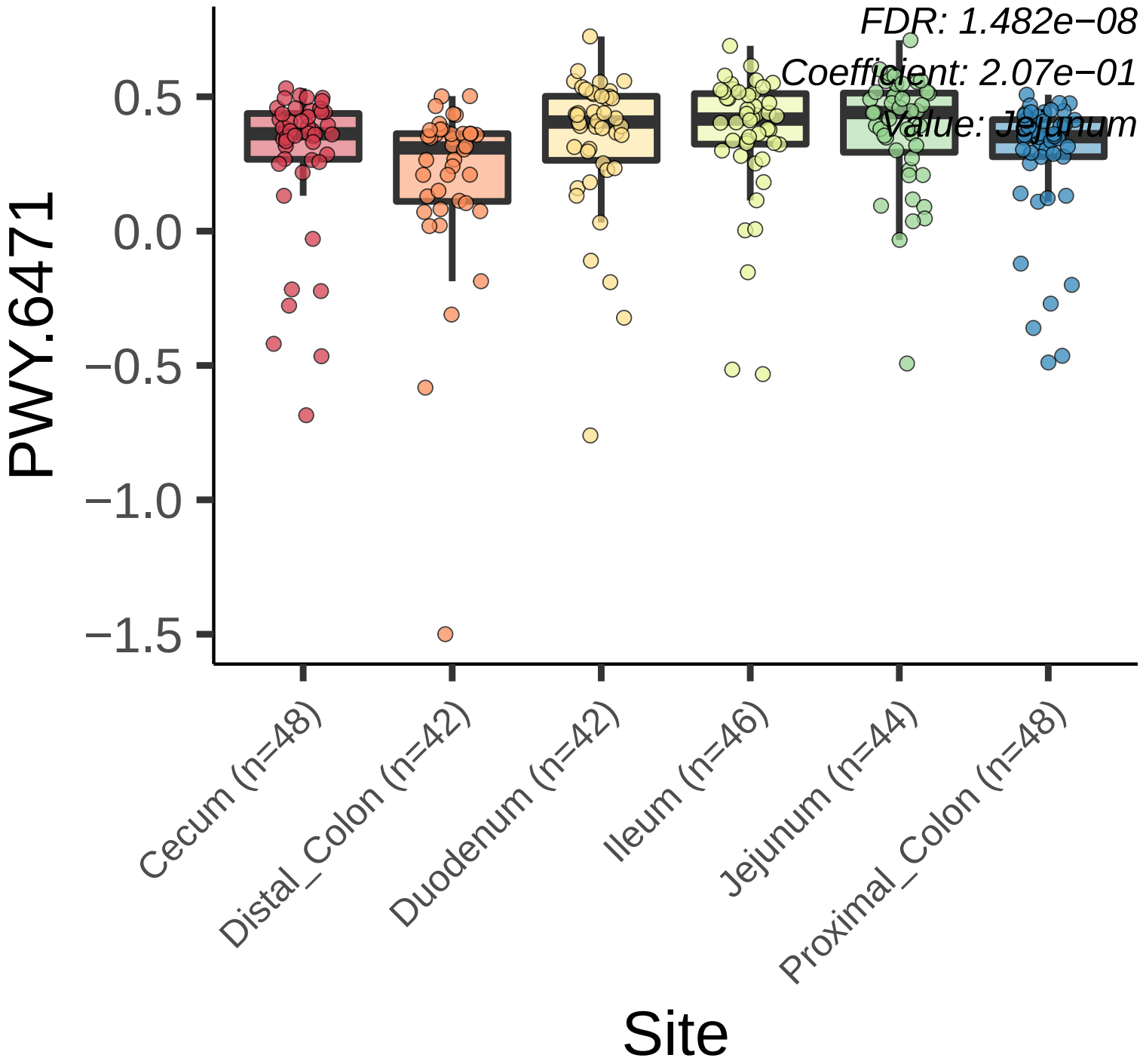

FDR: 1.005e−08
Coefficient: 8.38e−02
Value: Ileum
PWY.5484
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

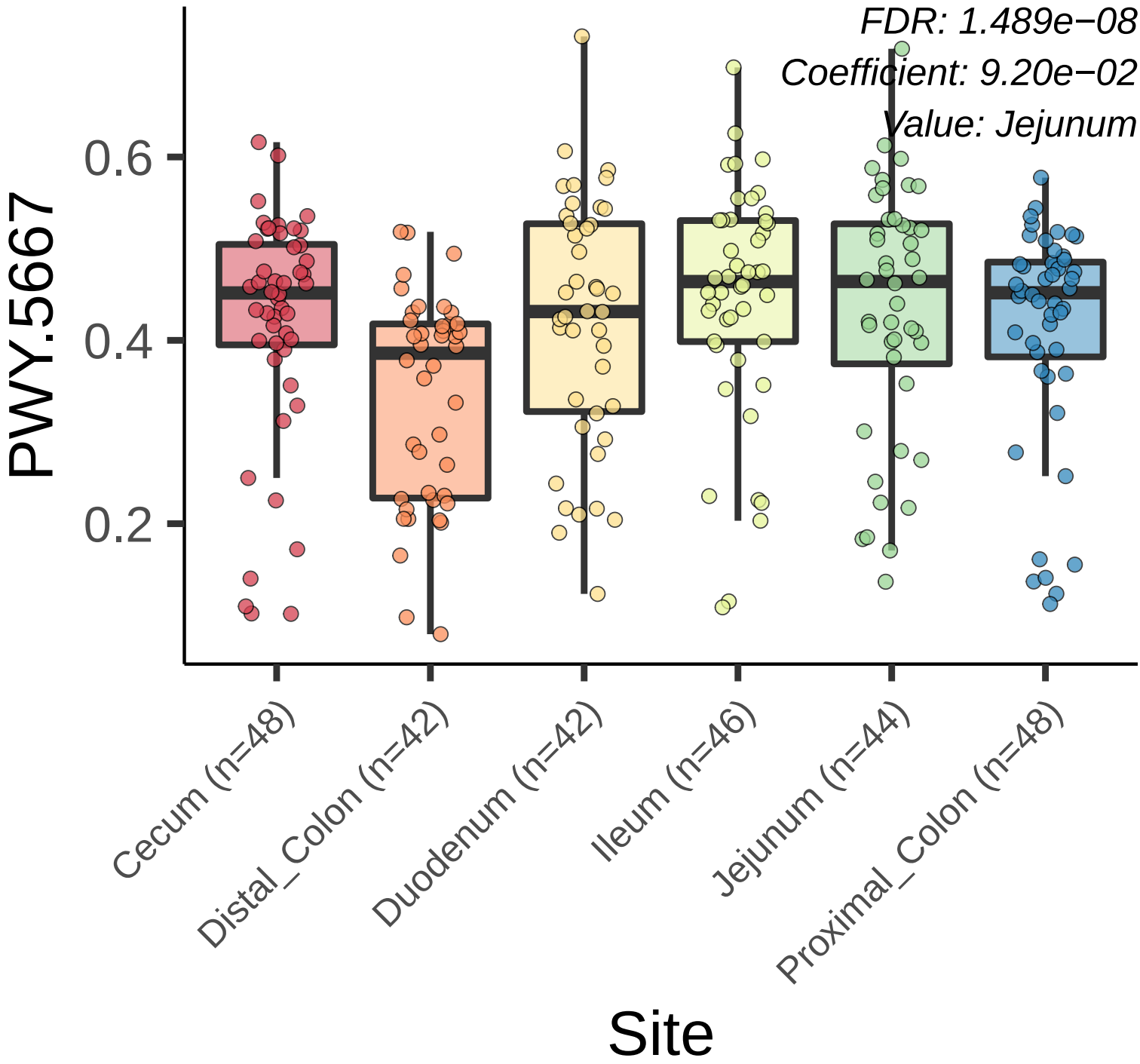

FDR: 1.020e−08
Coefficient: 2.30e−01
Value: Ileum
P461.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

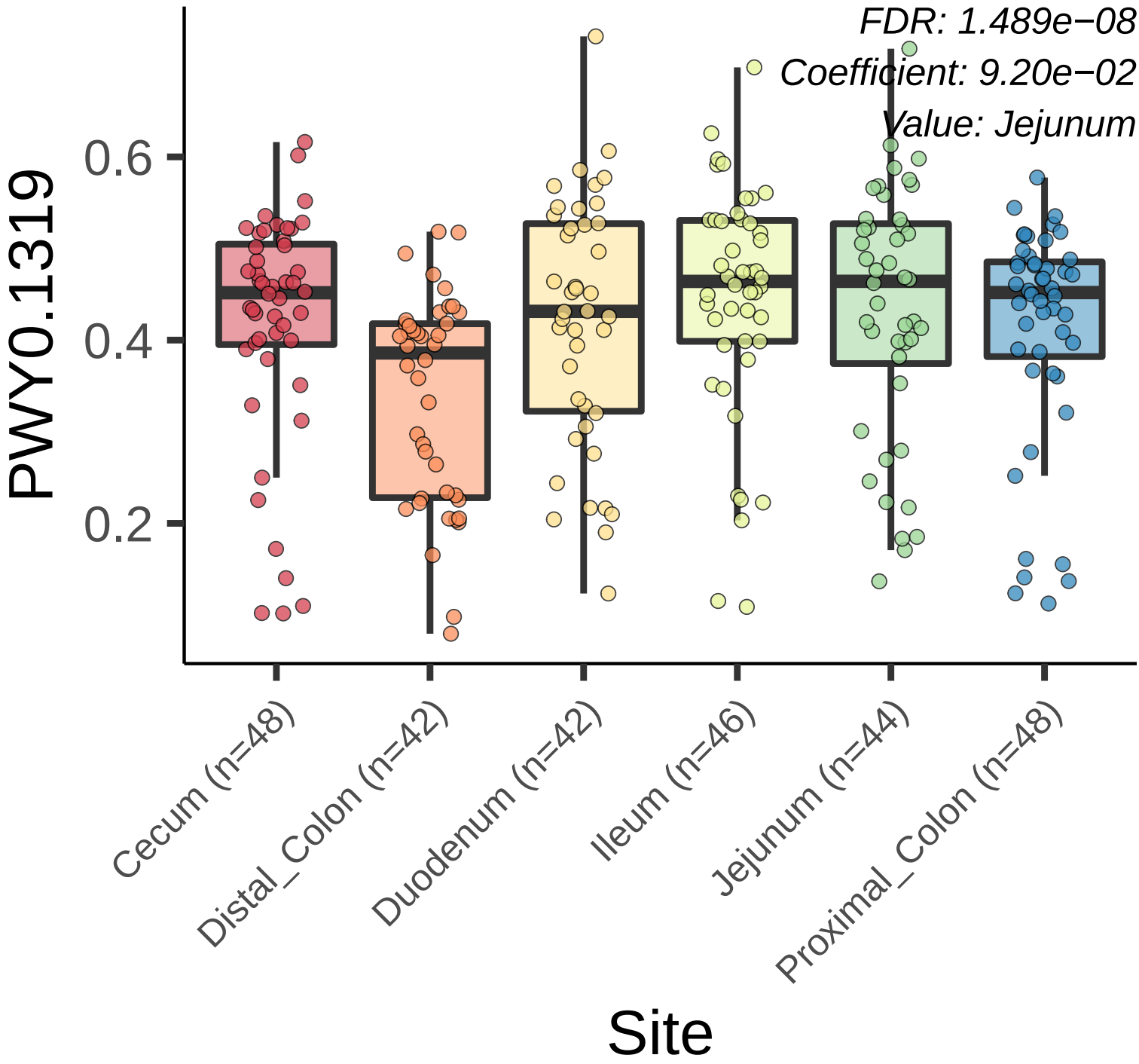

FDR: 1.226e−08
Coefficient: 1.20e−01
Value: Proximal_Colon
BRANCHED.CHAIN.AA.SYN.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

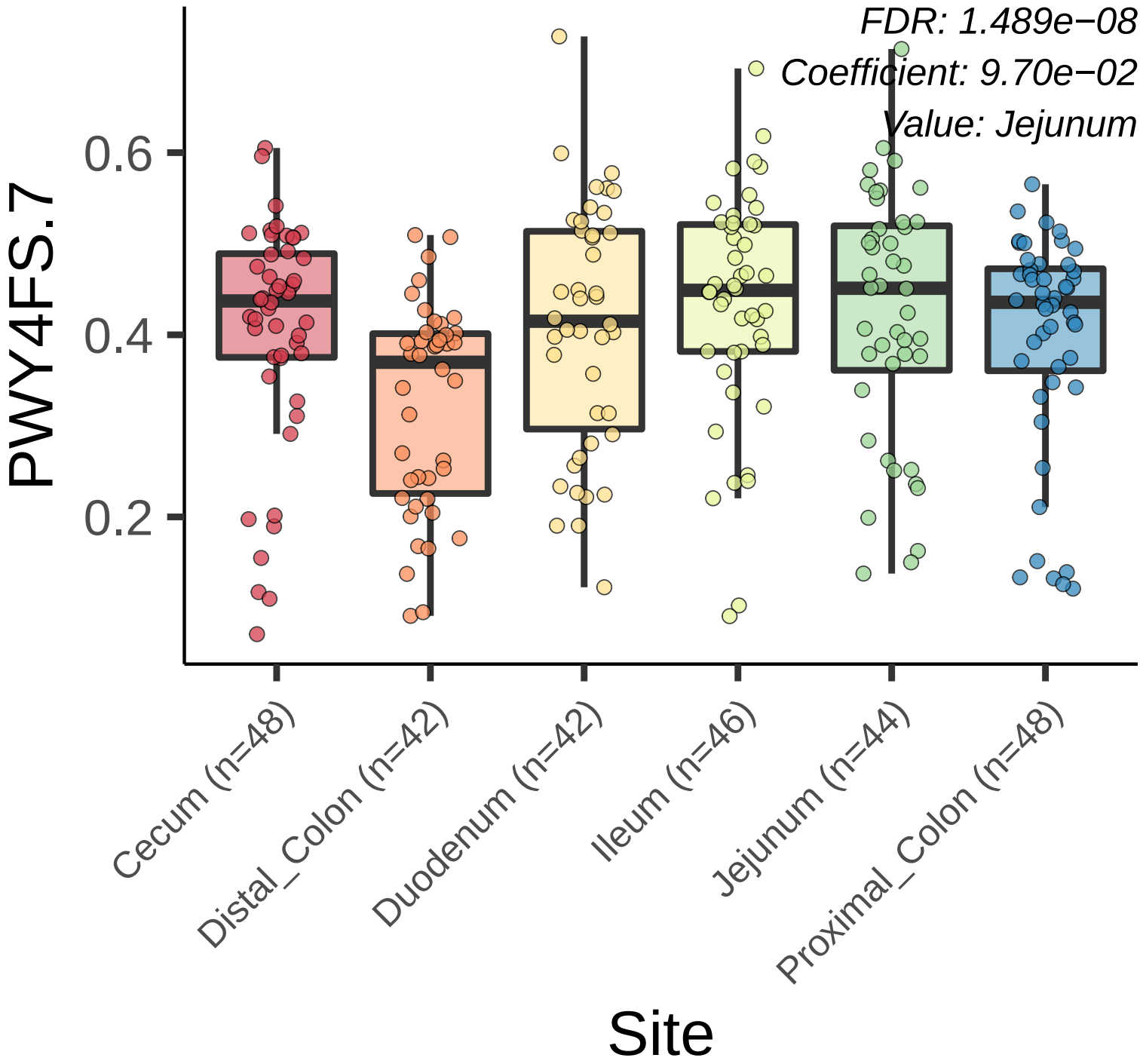

FDR: 1.301e−08
Coefficient: 1.28e−01
Value: Duodenum
PWY.7228
0.75
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

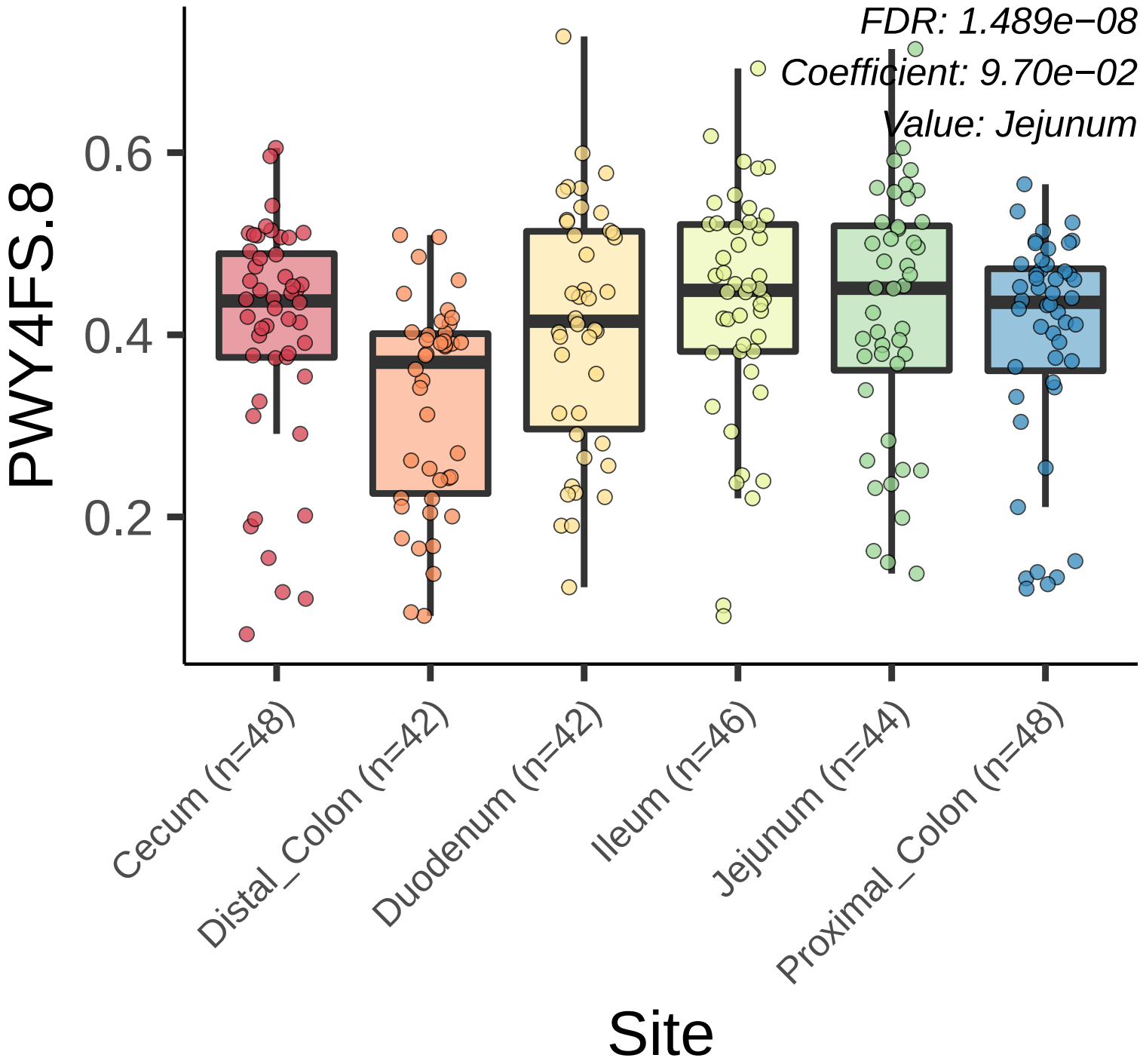

FDR: 1.370e−08
Coefficient: 9.11e−02
Value: Jejunum
PWY.7219
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

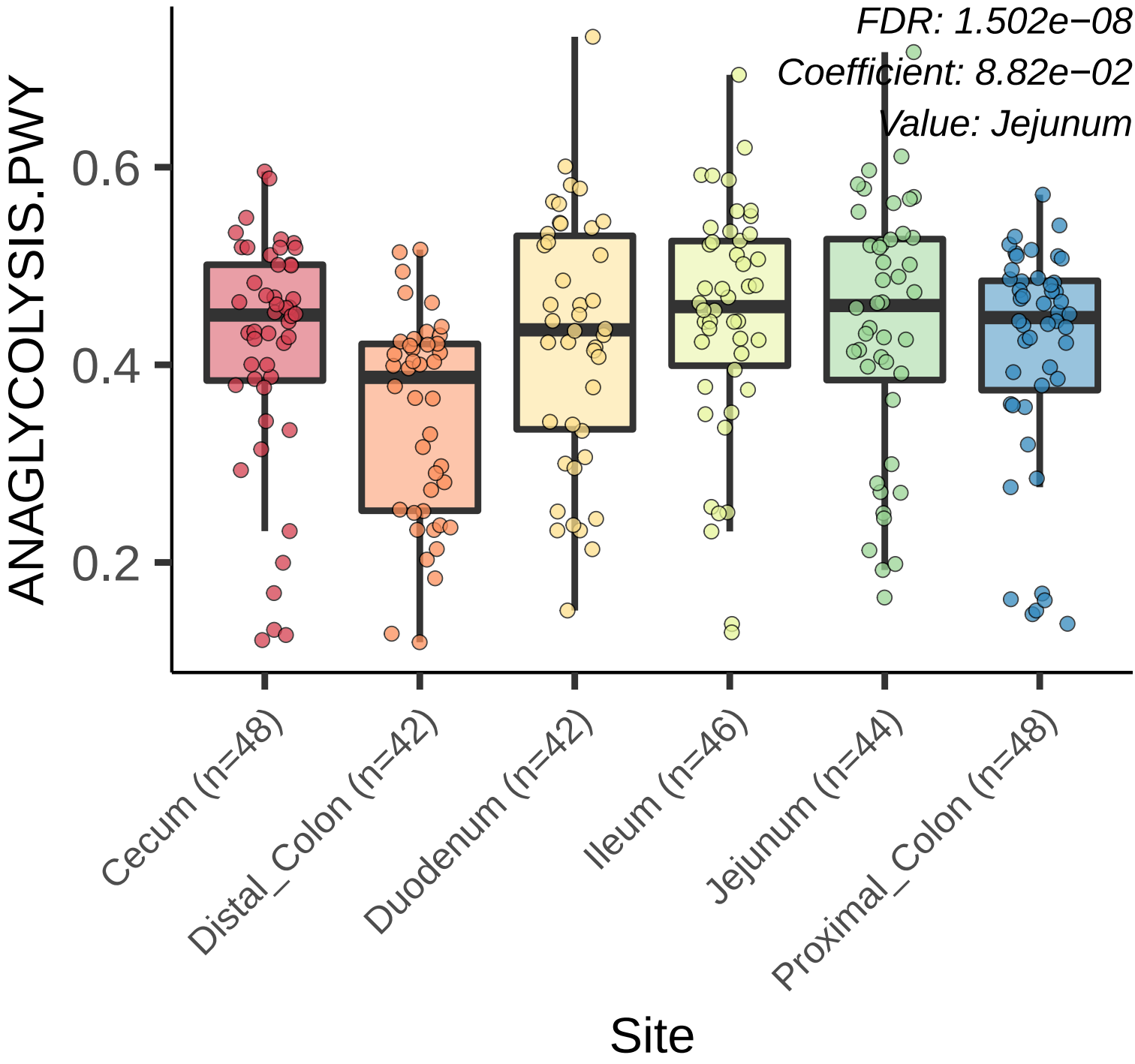

FDR: 1.482e−08
Coefficient: 2.07e−01
Value: Jejunum
PWY.6471
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

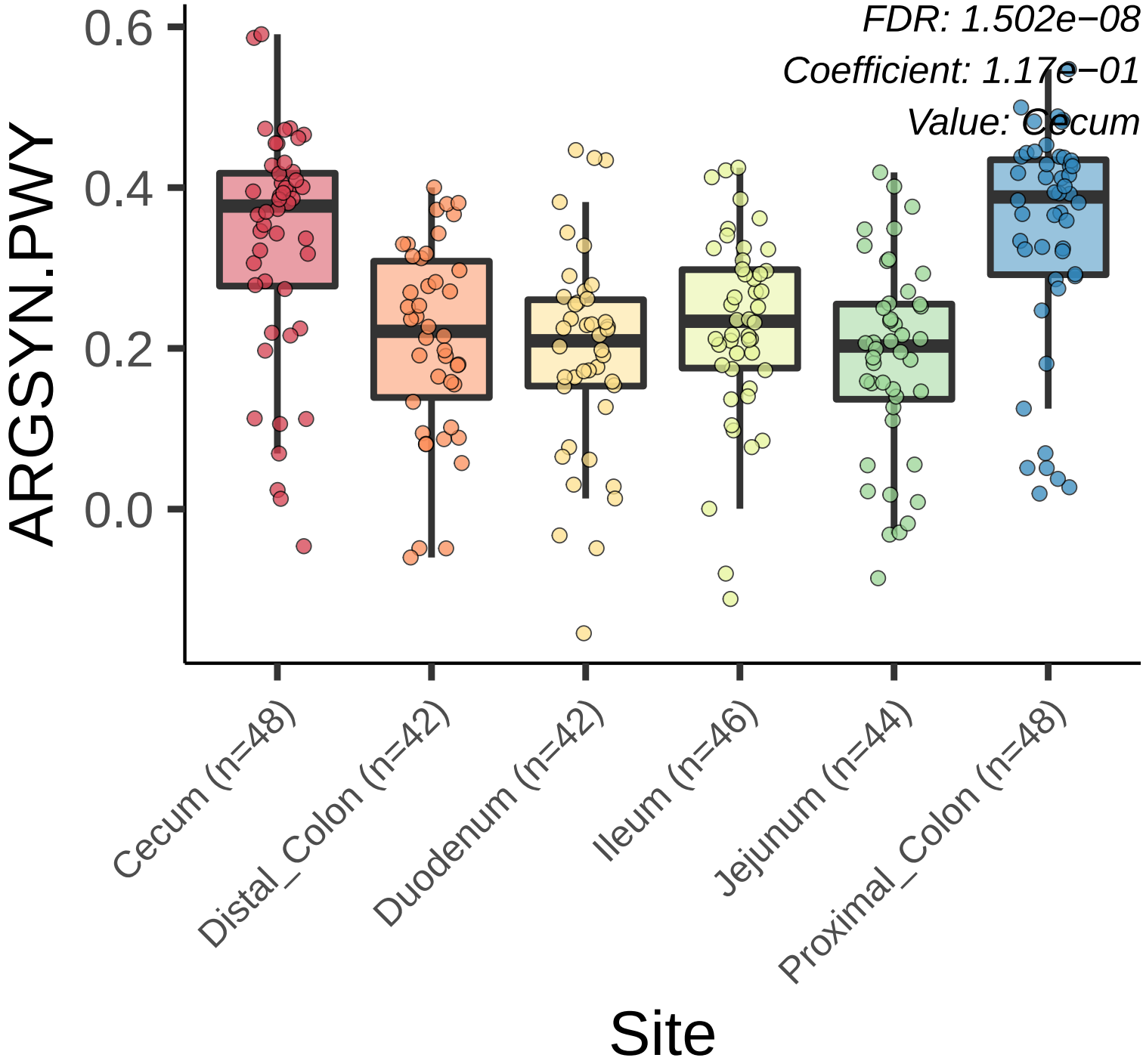

FDR: 1.489e−08
Coefficient: 9.20e−02
Value: Jejunum
PWY.5667
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

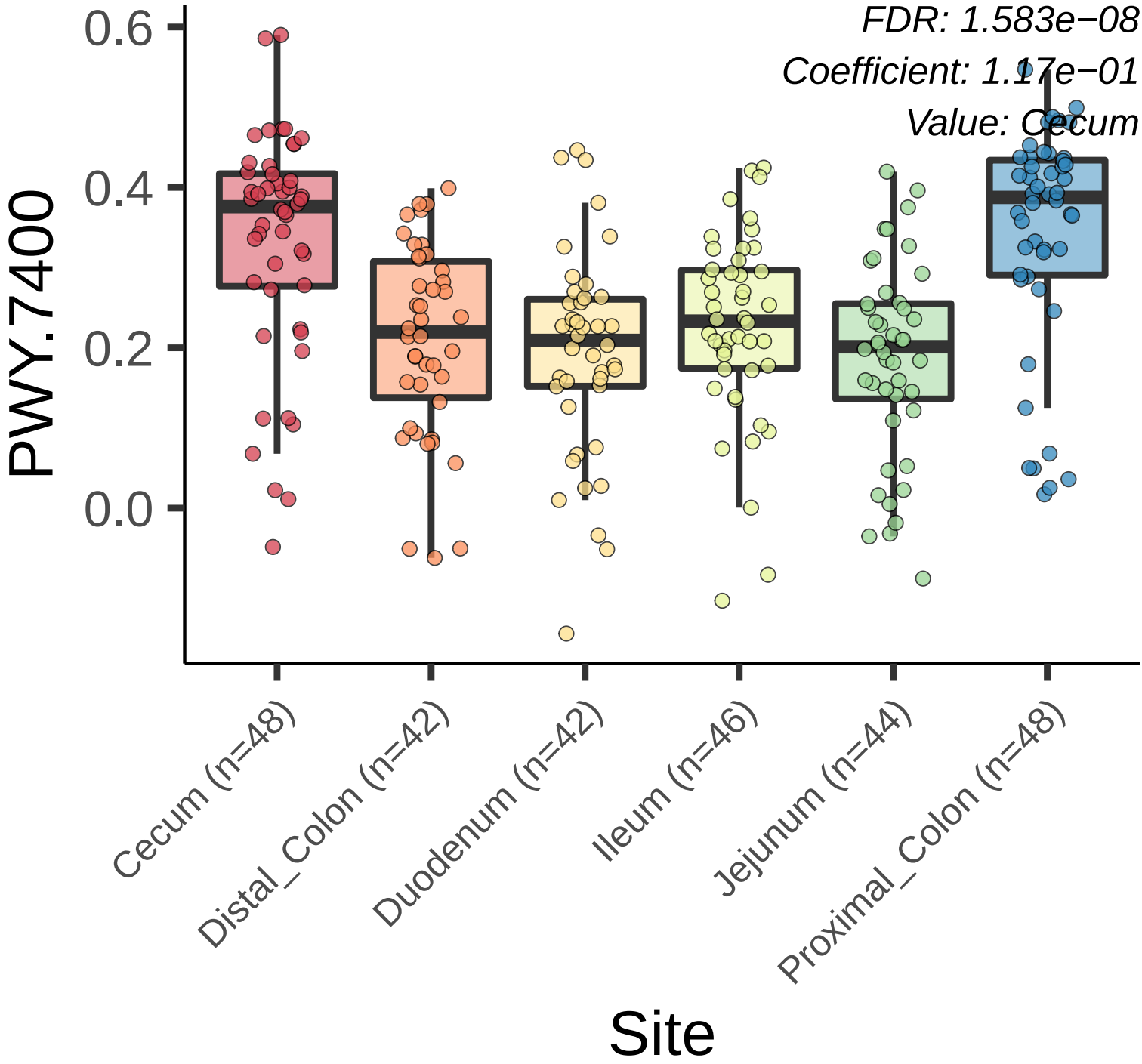

FDR: 1.489e−08
Coefficient: 9.20e−02
Value: Jejunum
PWY0.1319
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

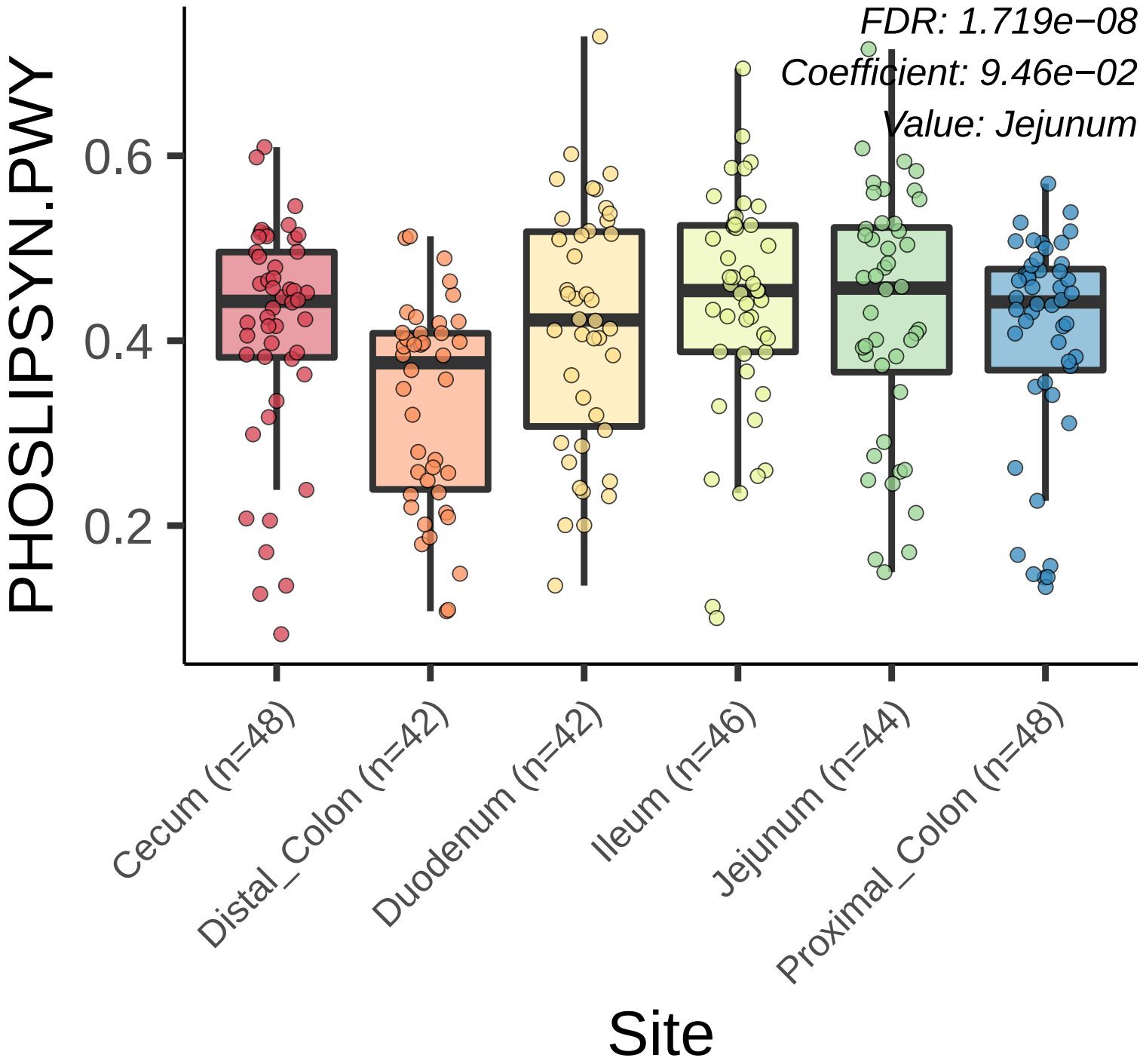

FDR: 1.489e−08
Coefficient: 9.70e−02
Value: Jejunum
PWY4FS.7
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

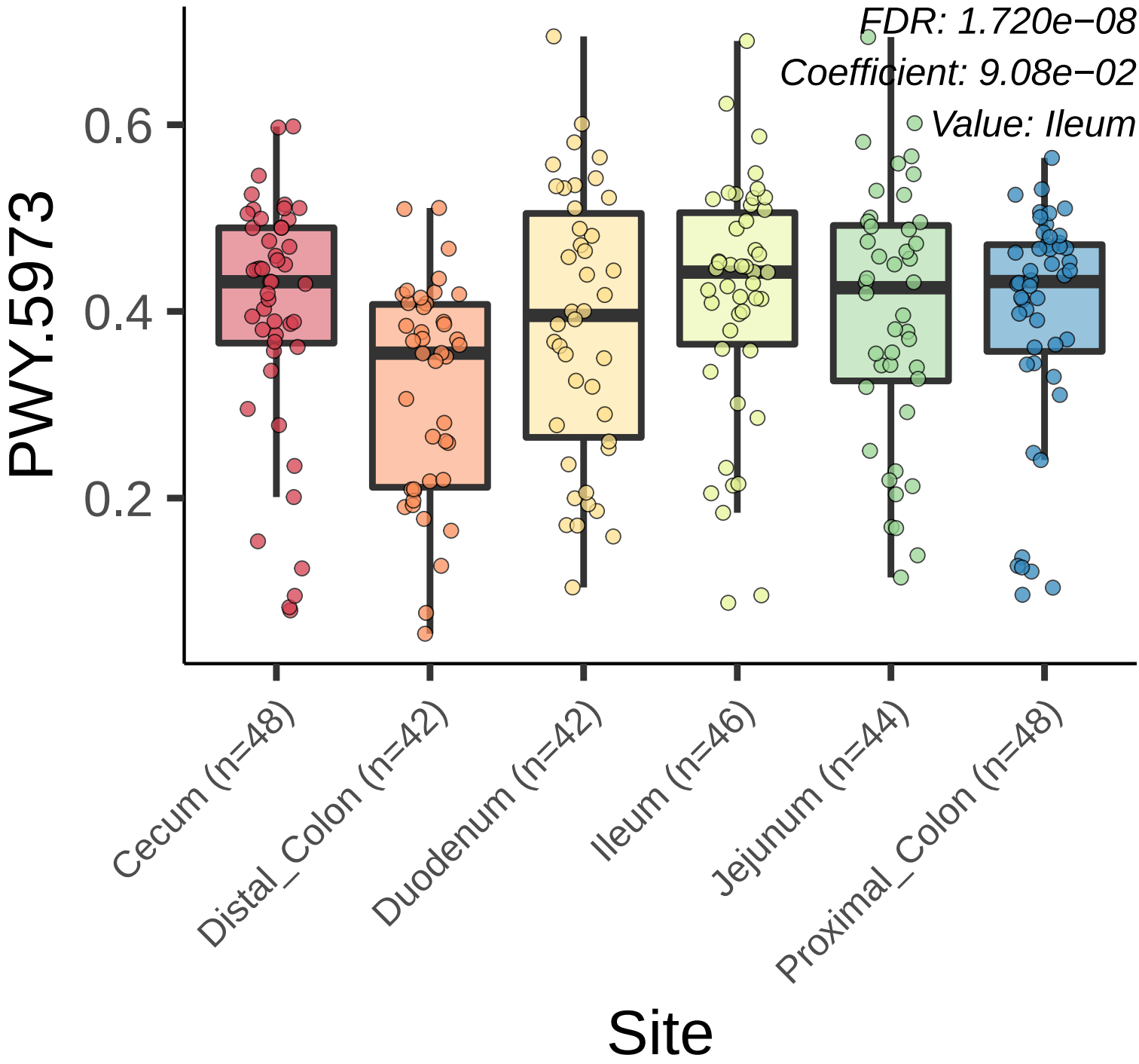

FDR: 1.489e−08
Coefficient: 9.70e−02
Value: Jejunum
PWY4FS.8
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

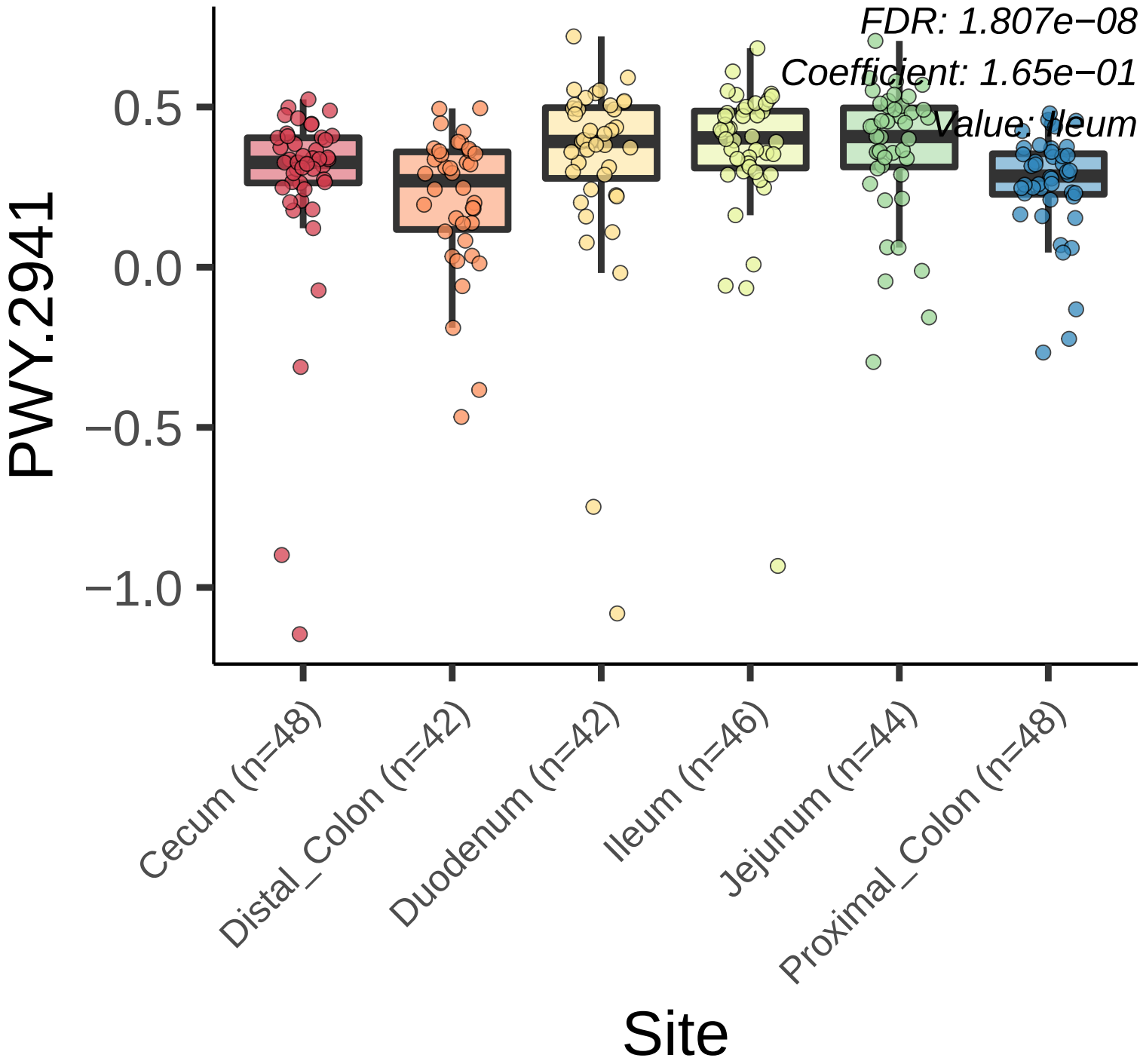

FDR: 1.502e−08
Coefficient: 8.82e−02
Value: Jejunum
ANAGLYCOLYSIS.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

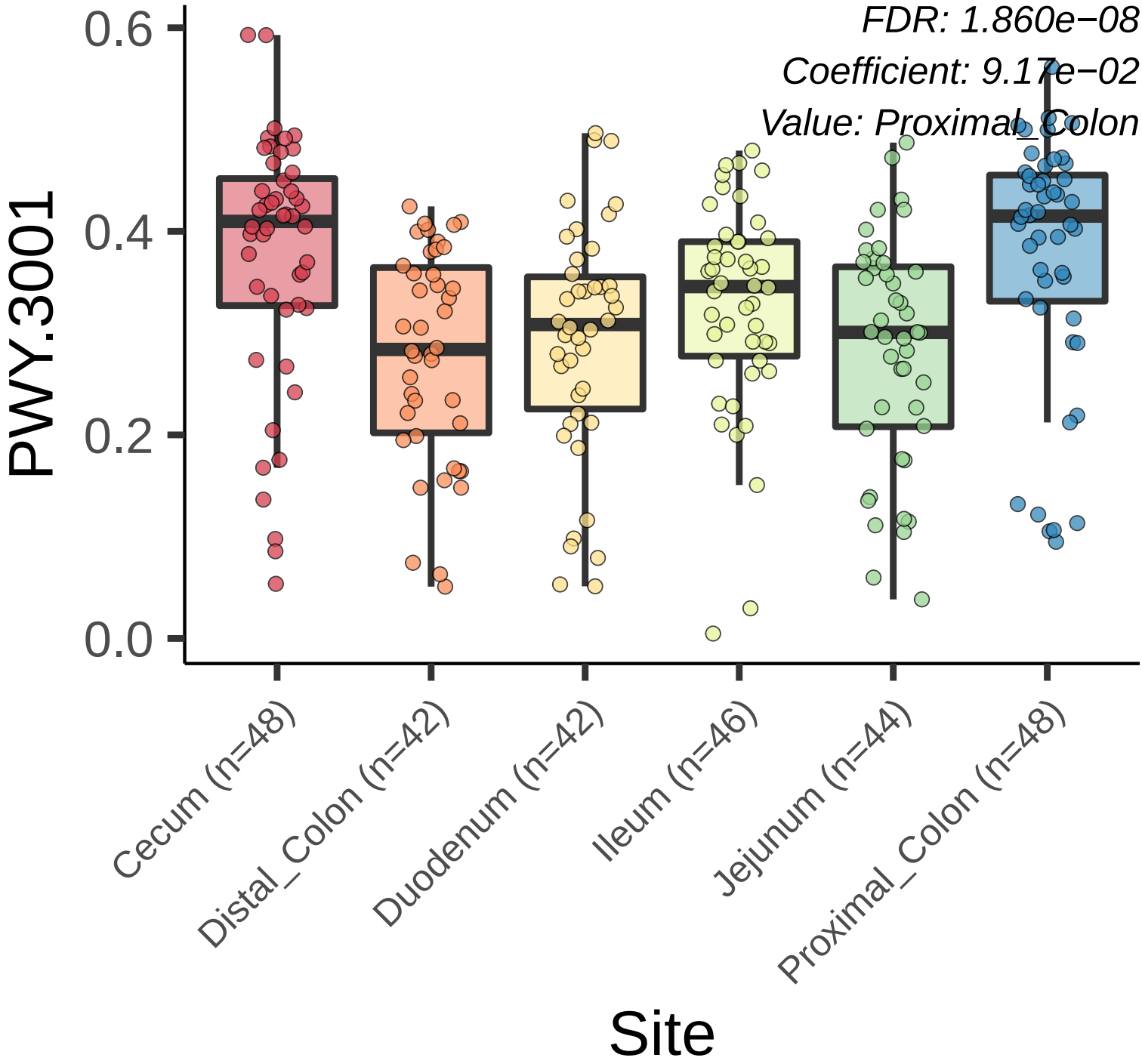

FDR: 1.502e−08
Coefficient: 1.17e−01
Value: Cecum
ARGSYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

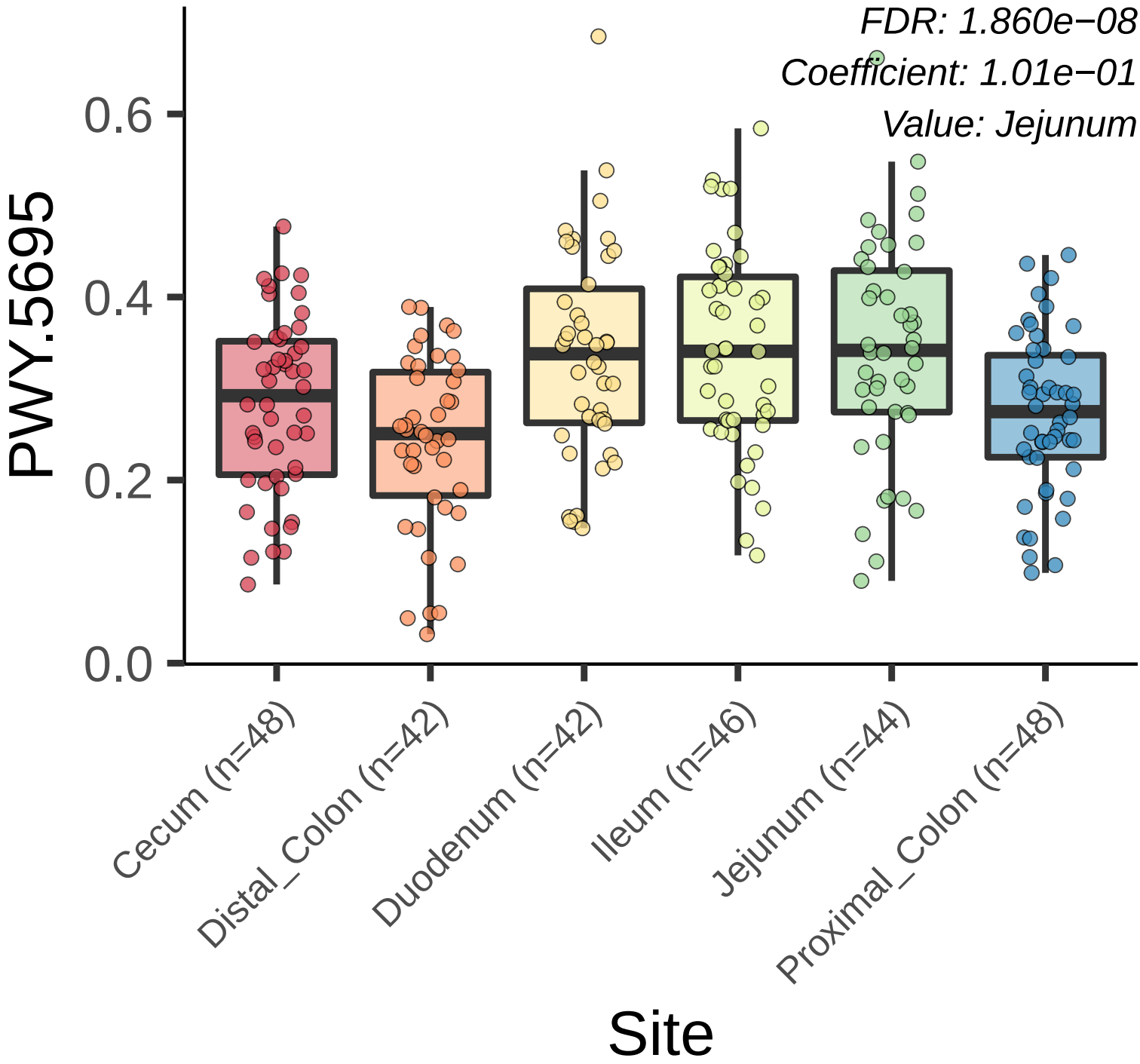

FDR: 1.583e−08
Coefficient: 1.17e−01
Value: Cecum
PWY.7400
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

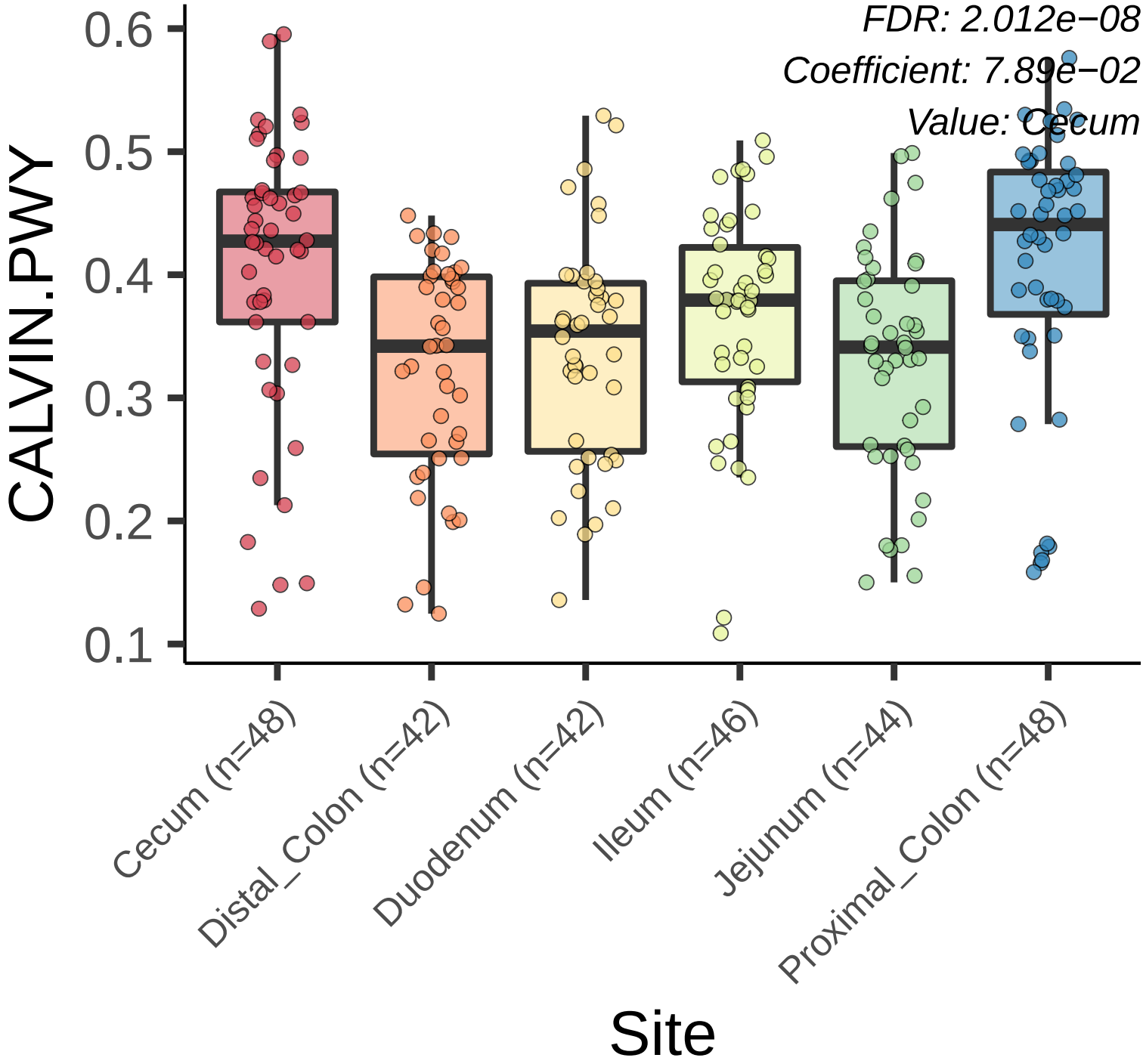

FDR: 1.719e−08
Coefficient: 9.46e−02
Value: Jejunum
PHOSLIPSYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

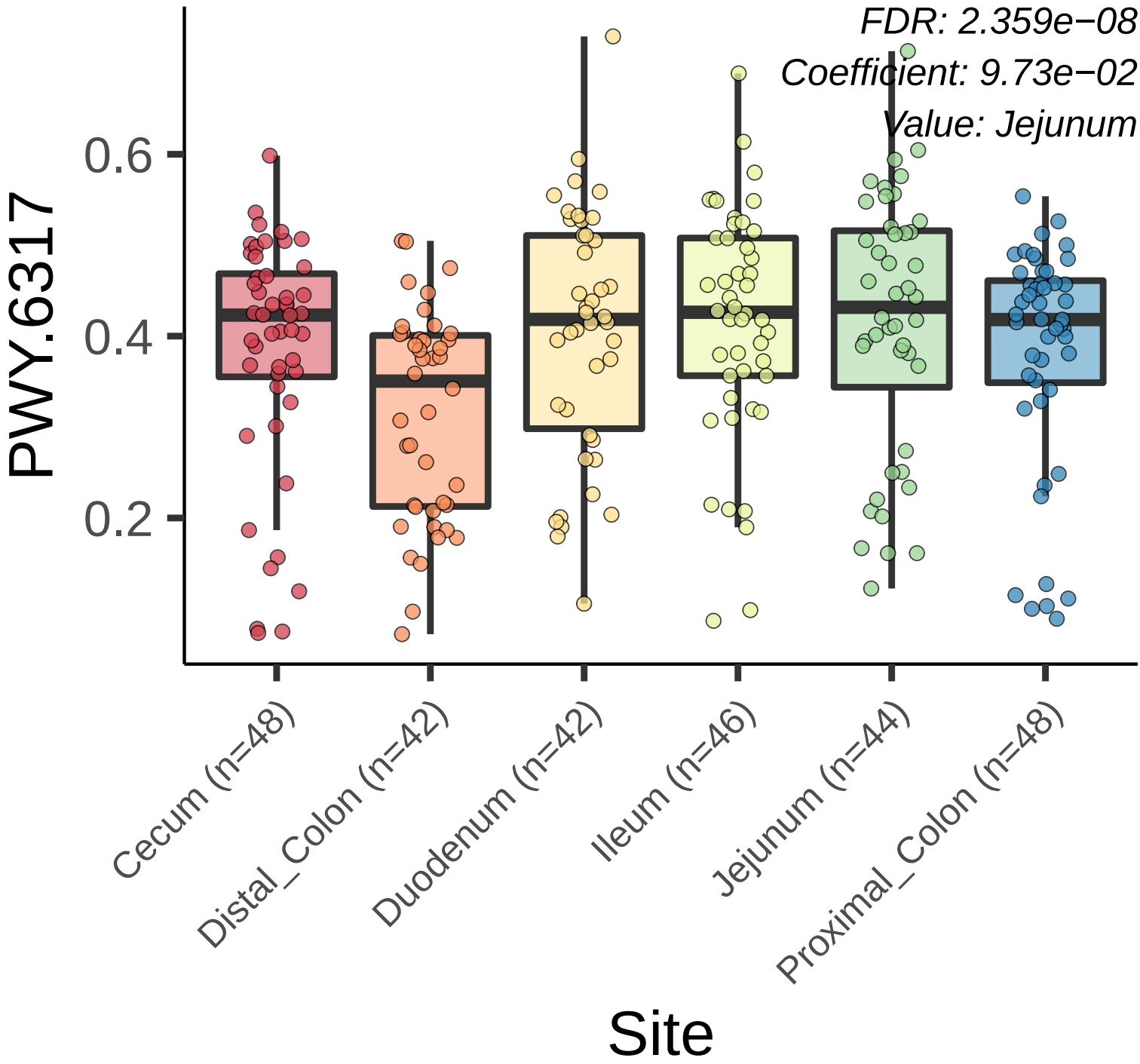

FDR: 1.720e−08
Coefficient: 9.08e−02
Value: Ileum
PWY.5973
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

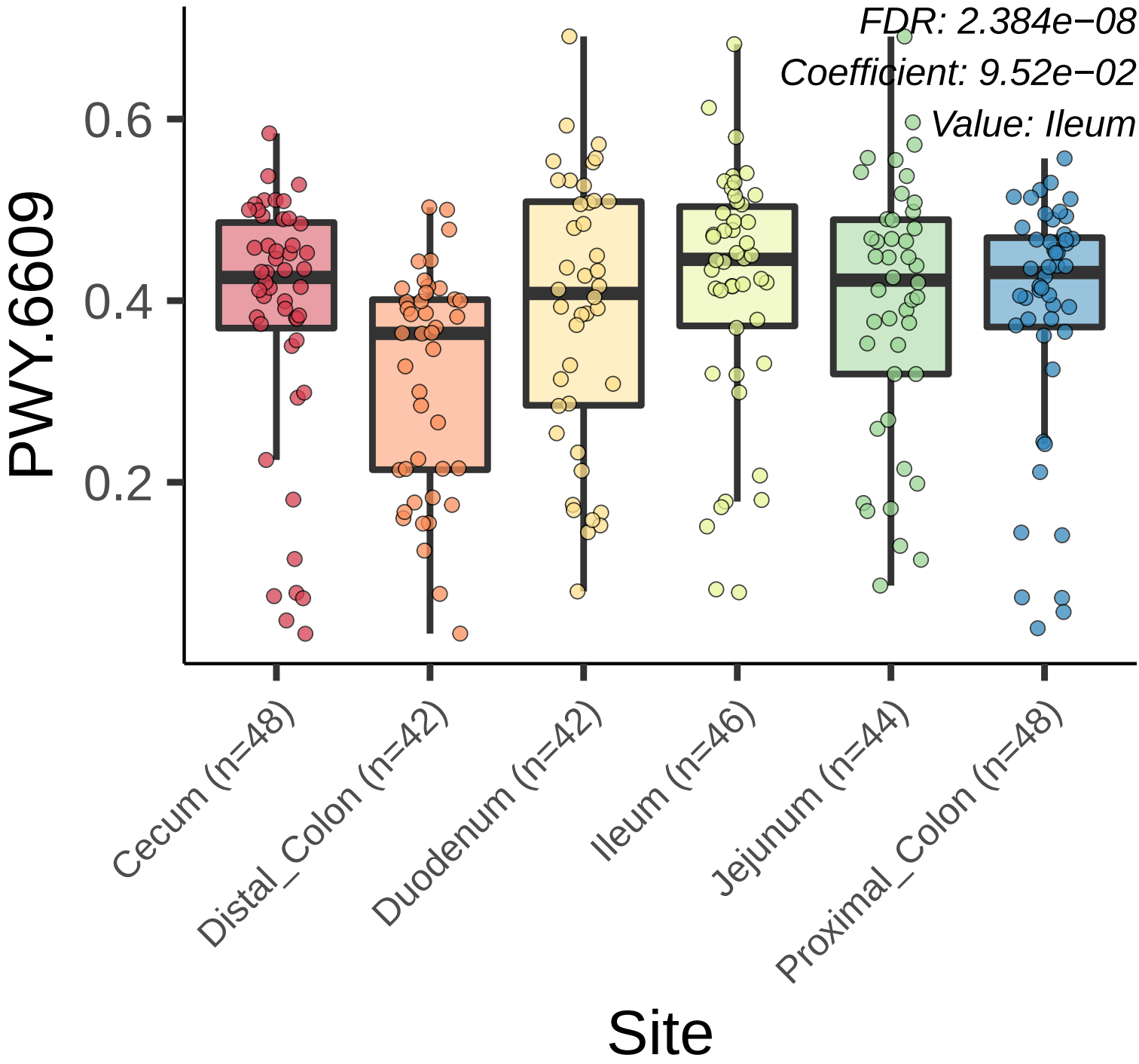

FDR: 1.807e−08
Coefficient: 1.65e−01
Value: Ileum
PWY.2941
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

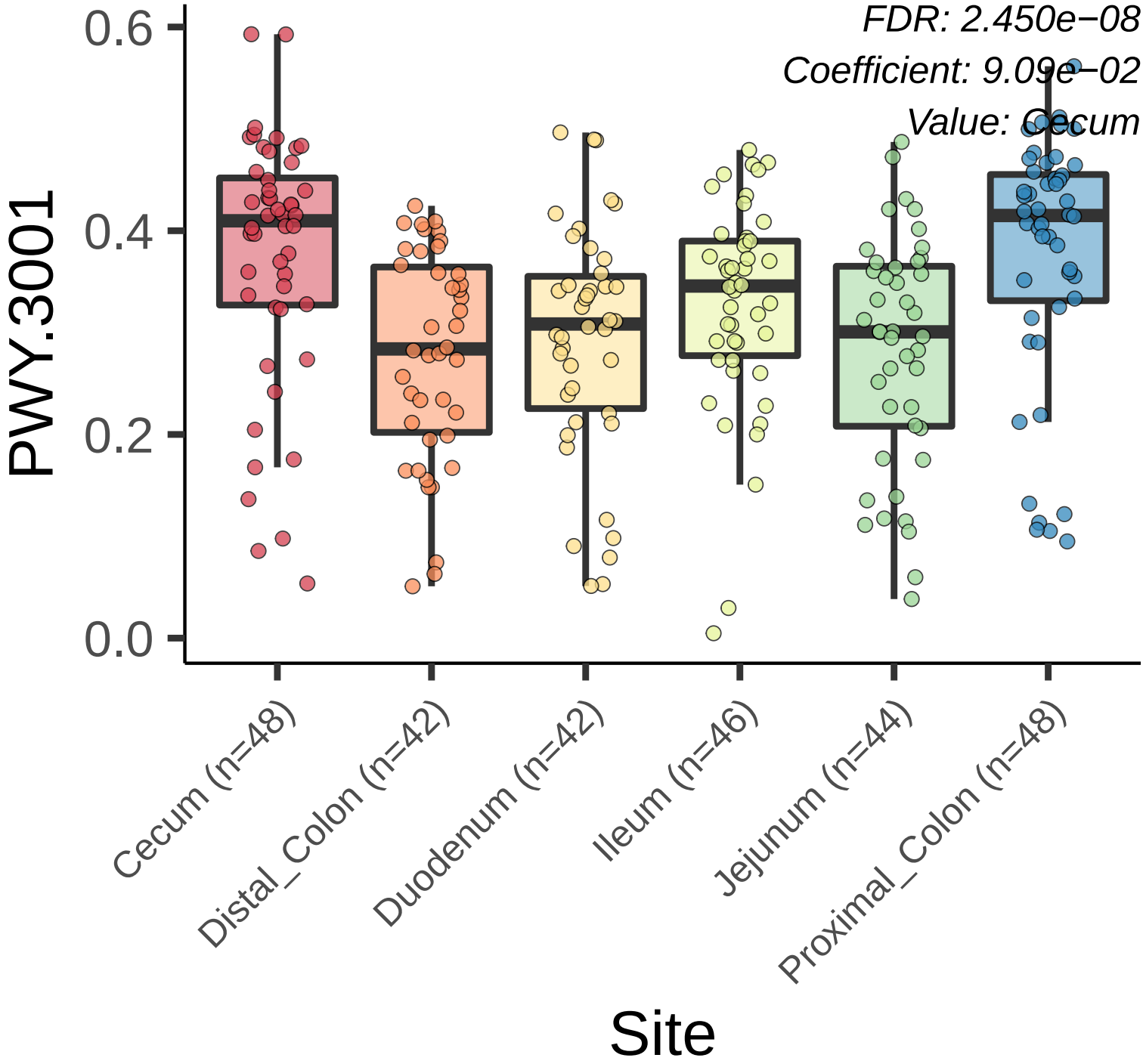

FDR: 1.860e−08
Coefficient: 9.17e−02
Value: Proximal_Colon
PWY.3001
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

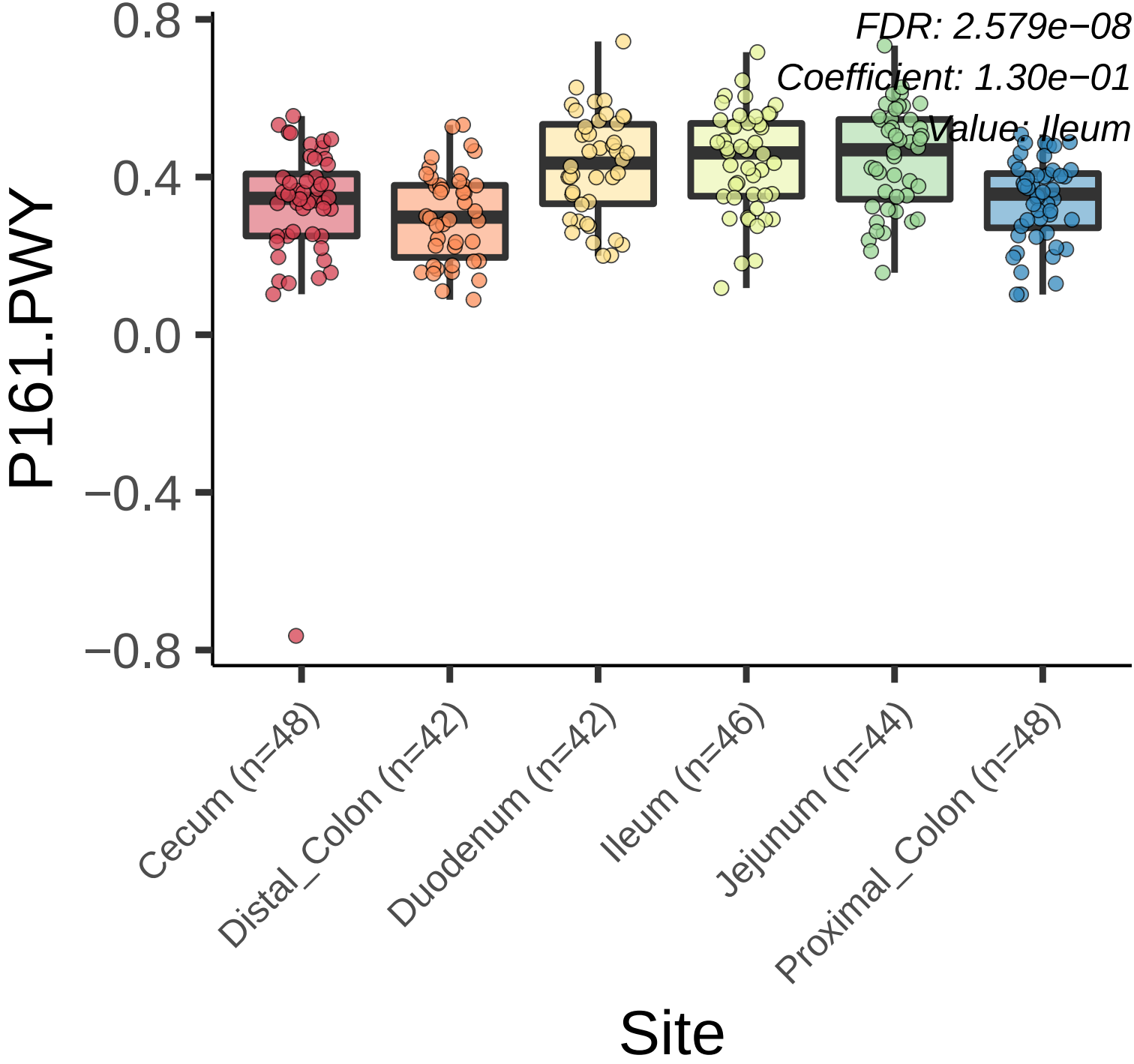

FDR: 1.860e−08
Coefficient: 1.01e−01
Value: Jejunum
PWY.5695
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

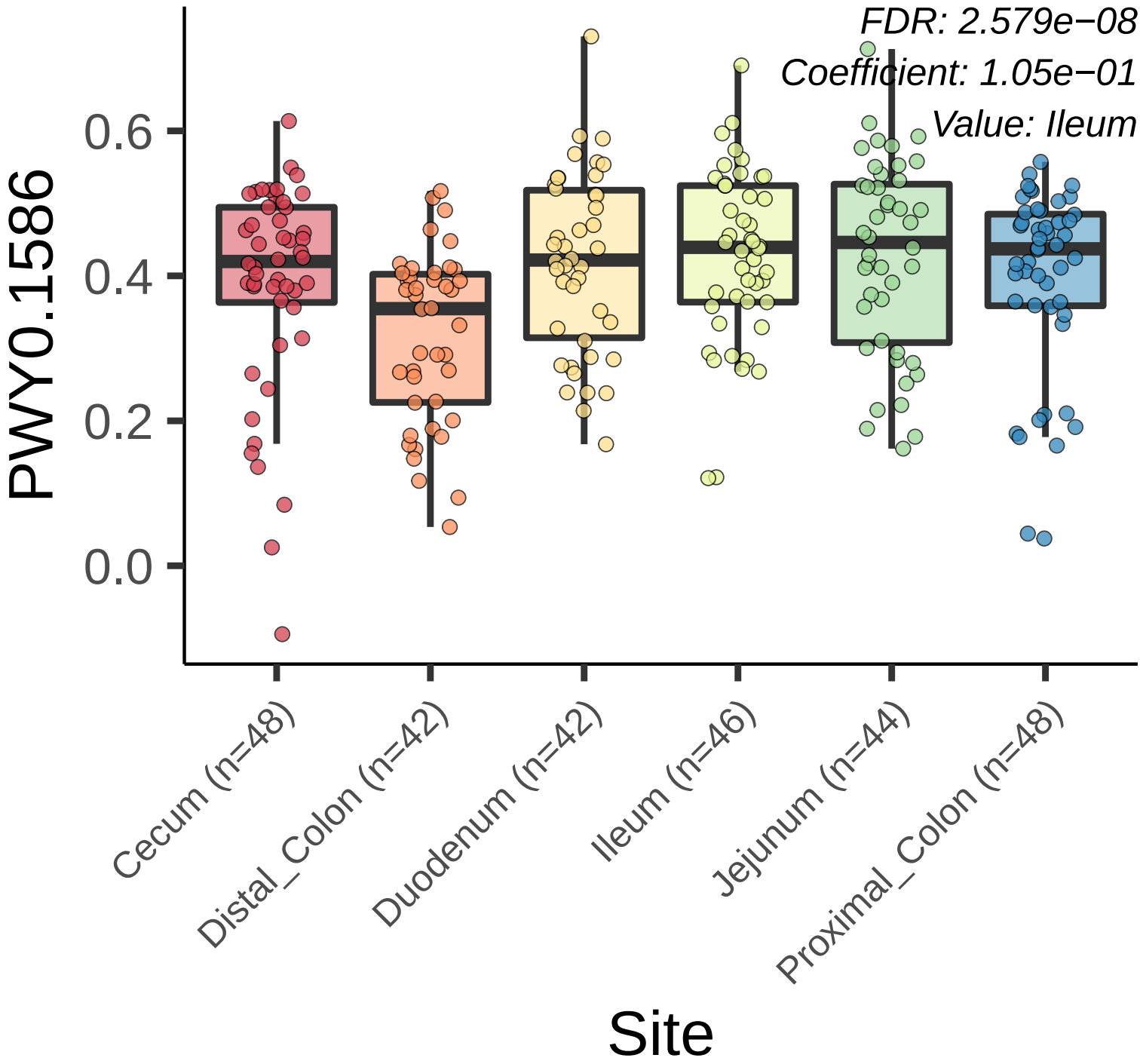

FDR: 2.012e−08
Coefficient: 7.89e−02
Value: Cecum
CALVIN.PWY
0.6
0.5
0.4
0.3
0.2
0.1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

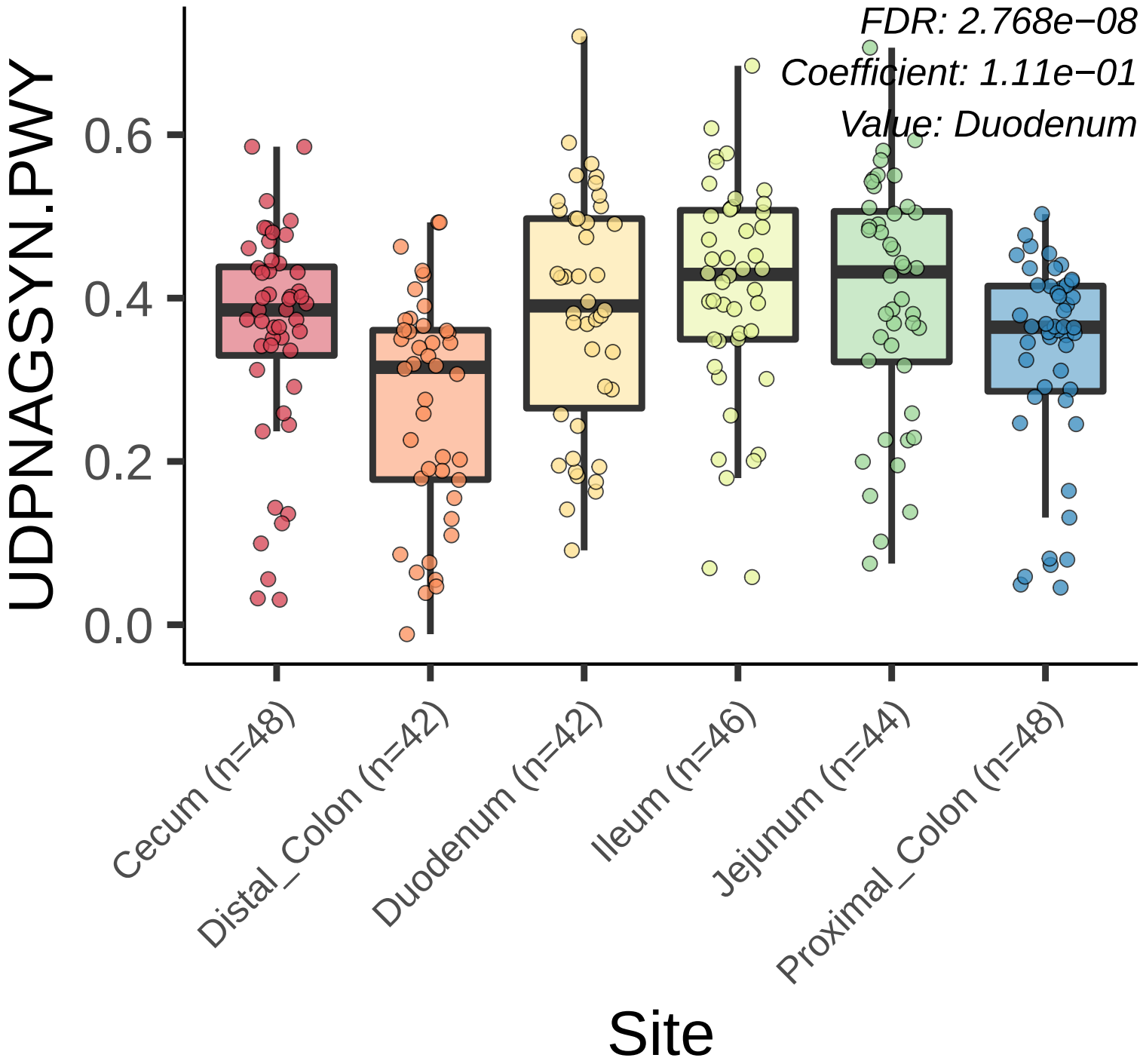

FDR: 2.359e−08
Coefficient: 9.73e−02
Value: Jejunum
PWY.6317
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

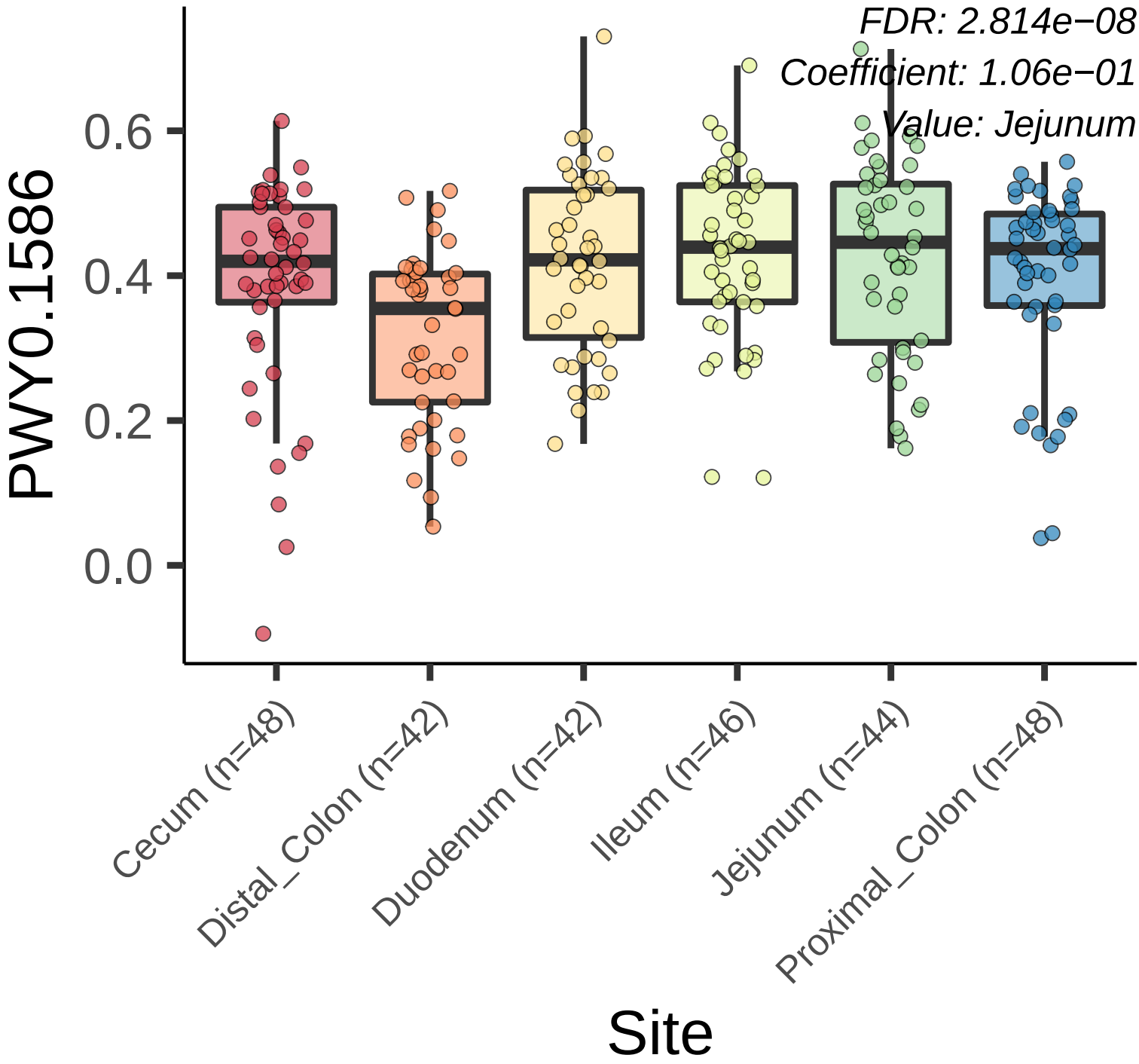

FDR: 2.384e−08
Coefficient: 9.52e−02
Value: Ileum
PWY.6609
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

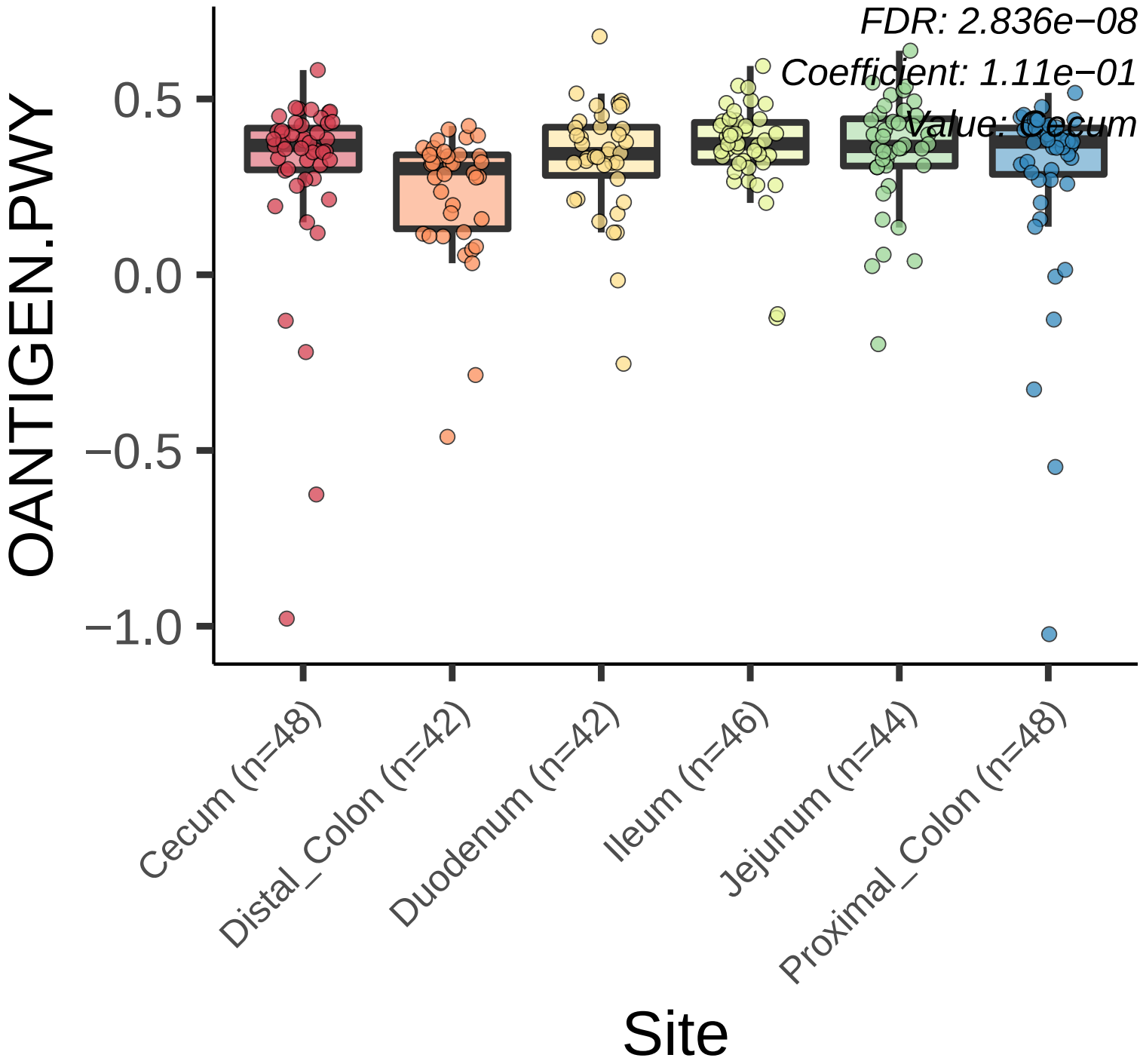

FDR: 2.450e−08
Coefficient: 9.09e−02
Value: Cecum
PWY.3001
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

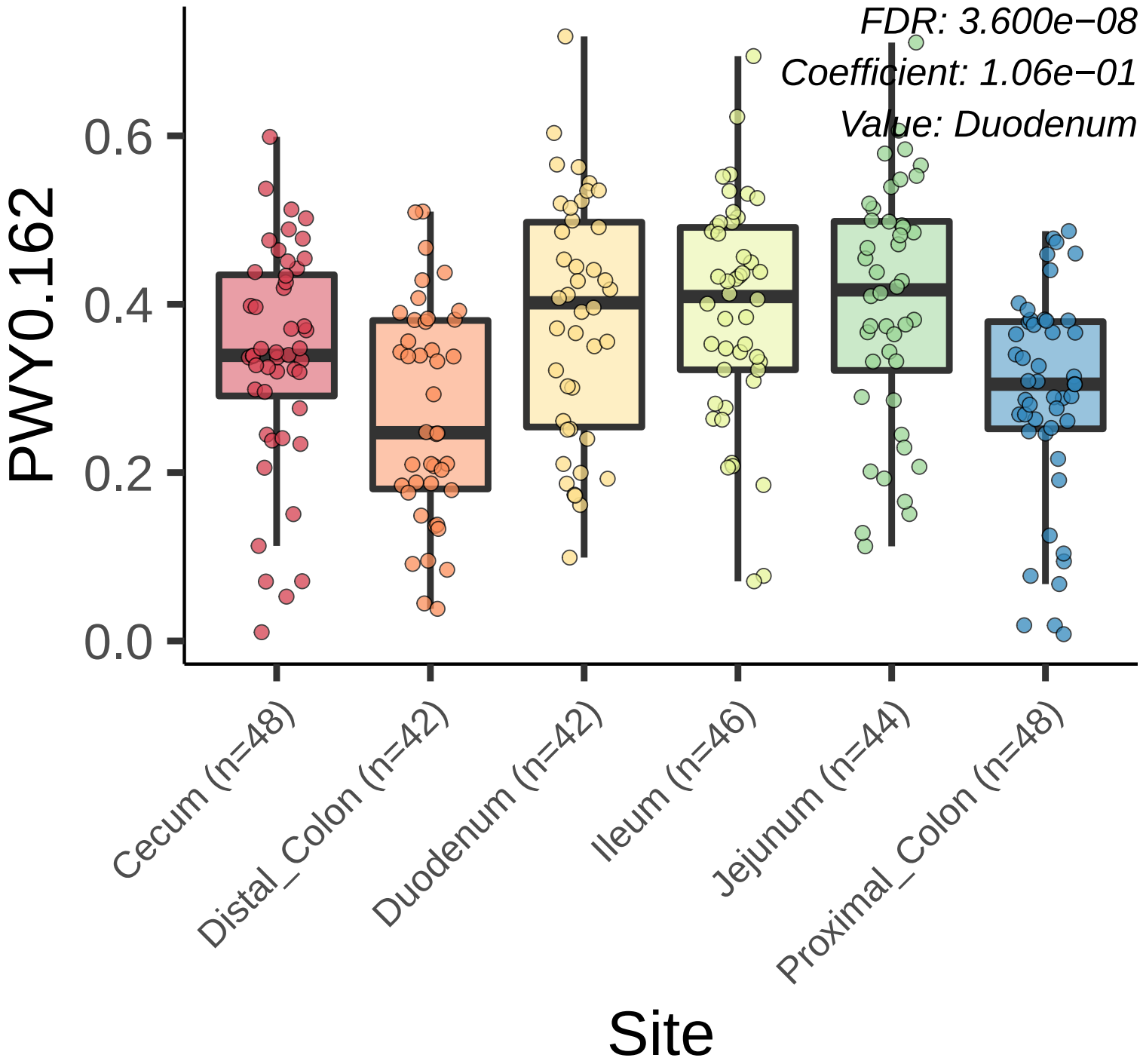

FDR: 2.579e−08
Coefficient: 1.30e−01
Value: Ileum
P161.PWY
0.8
0.4
0.0
−0.4
−0.8
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

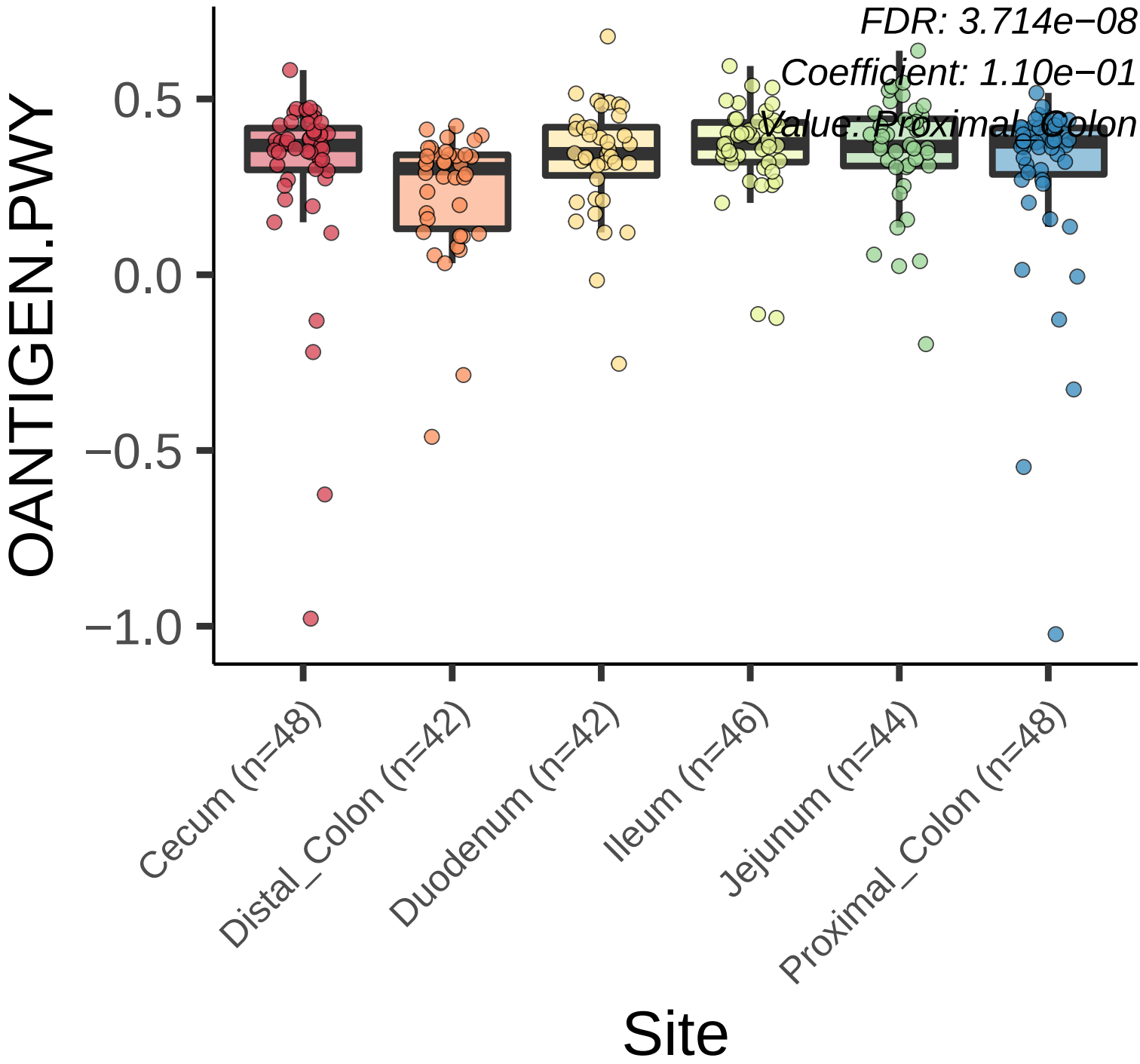

FDR: 2.579e−08
Coefficient: 1.05e−01
Value: Ileum
PWY0.1586
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

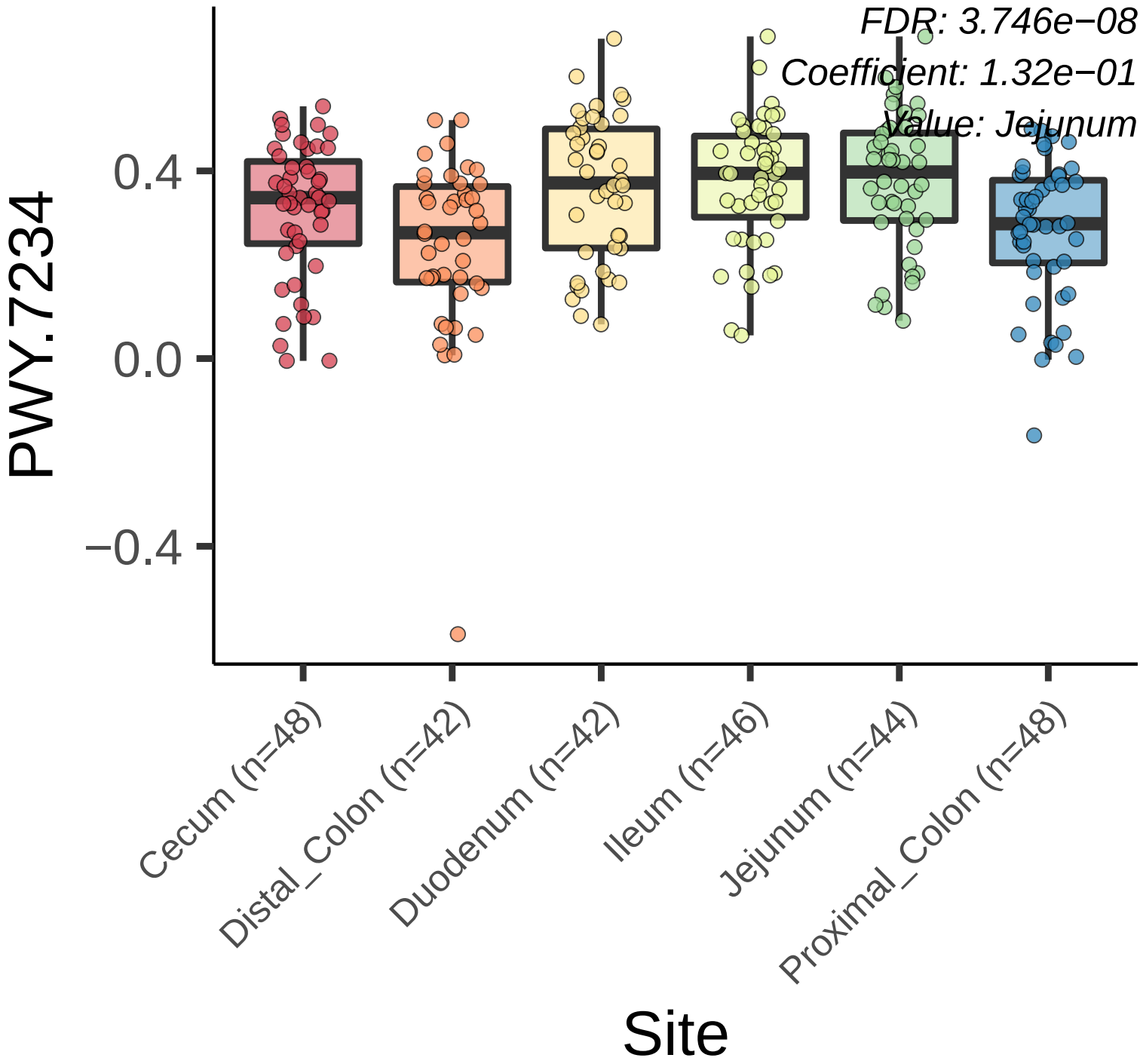

FDR: 2.768e−08
Coefficient: 1.11e−01
Value: Duodenum
UDPNAGSYN.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

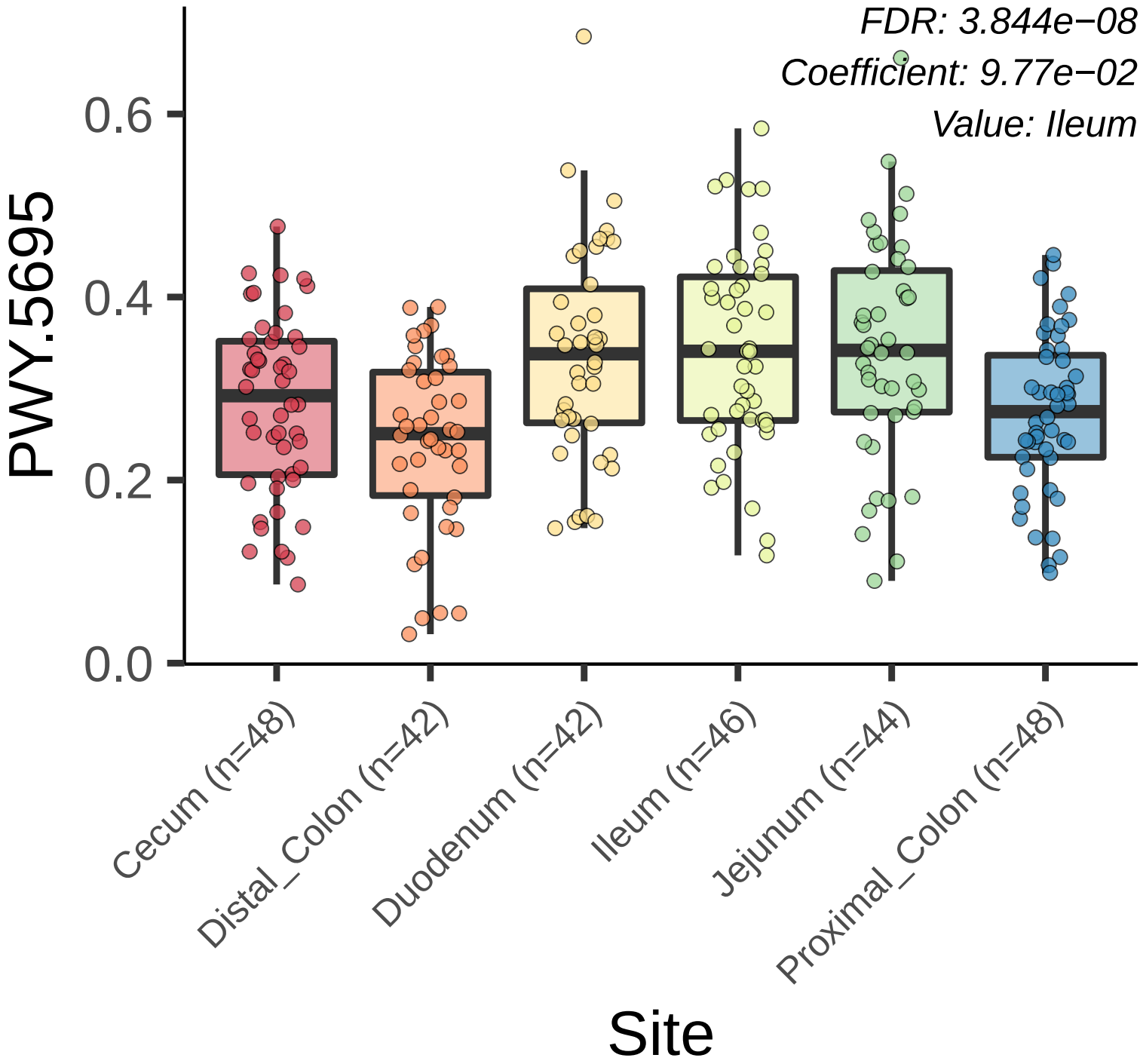

FDR: 2.814e−08
Coefficient: 1.06e−01
Value: Jejunum
PWY0.1586
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

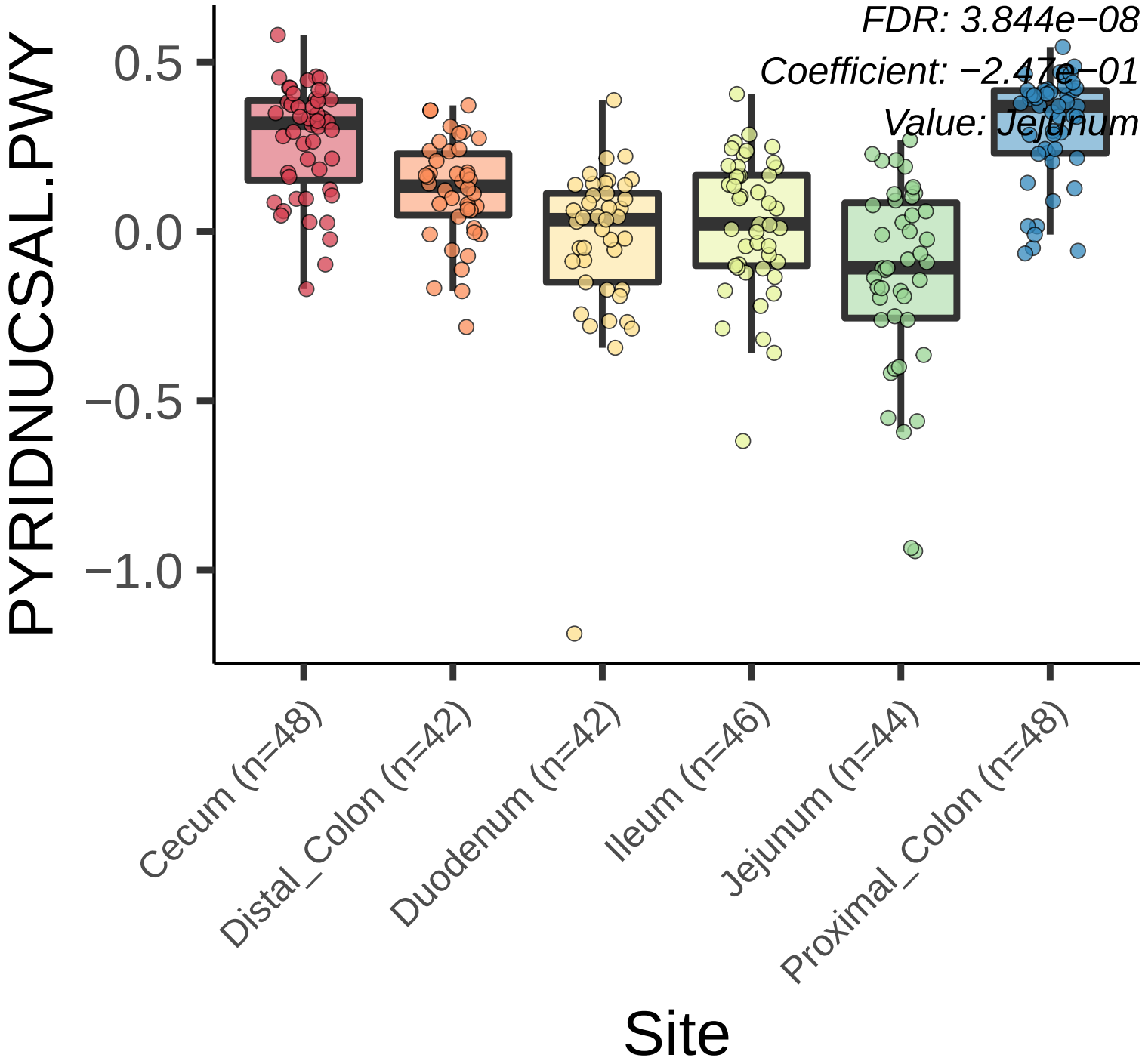

FDR: 2.836e−08
Coefficient: 1.11e−01
Value: Cecum
OANTIGEN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

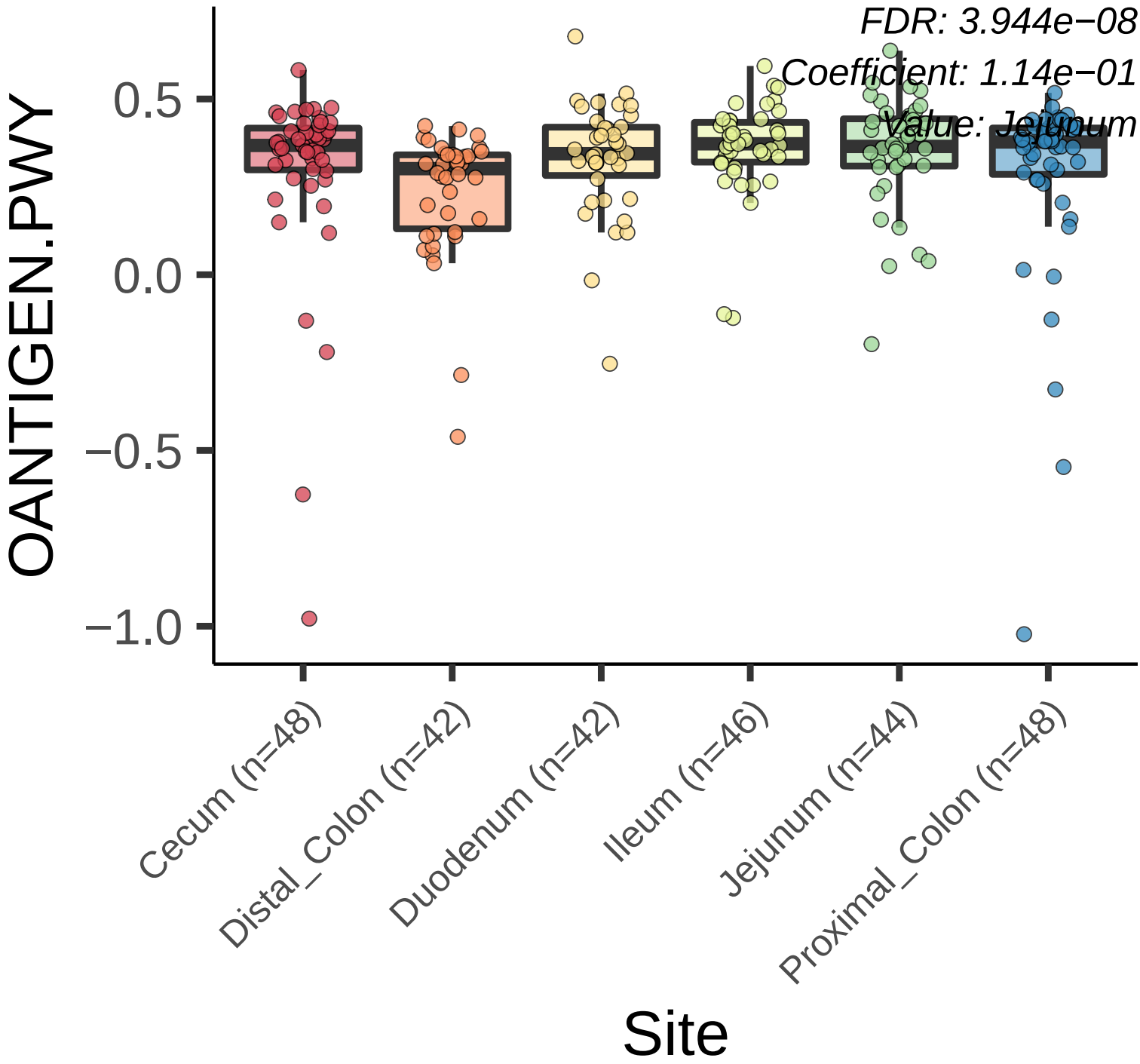

FDR: 3.600e−08
Coefficient: 1.06e−01
Value: Duodenum
PWY0.162
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

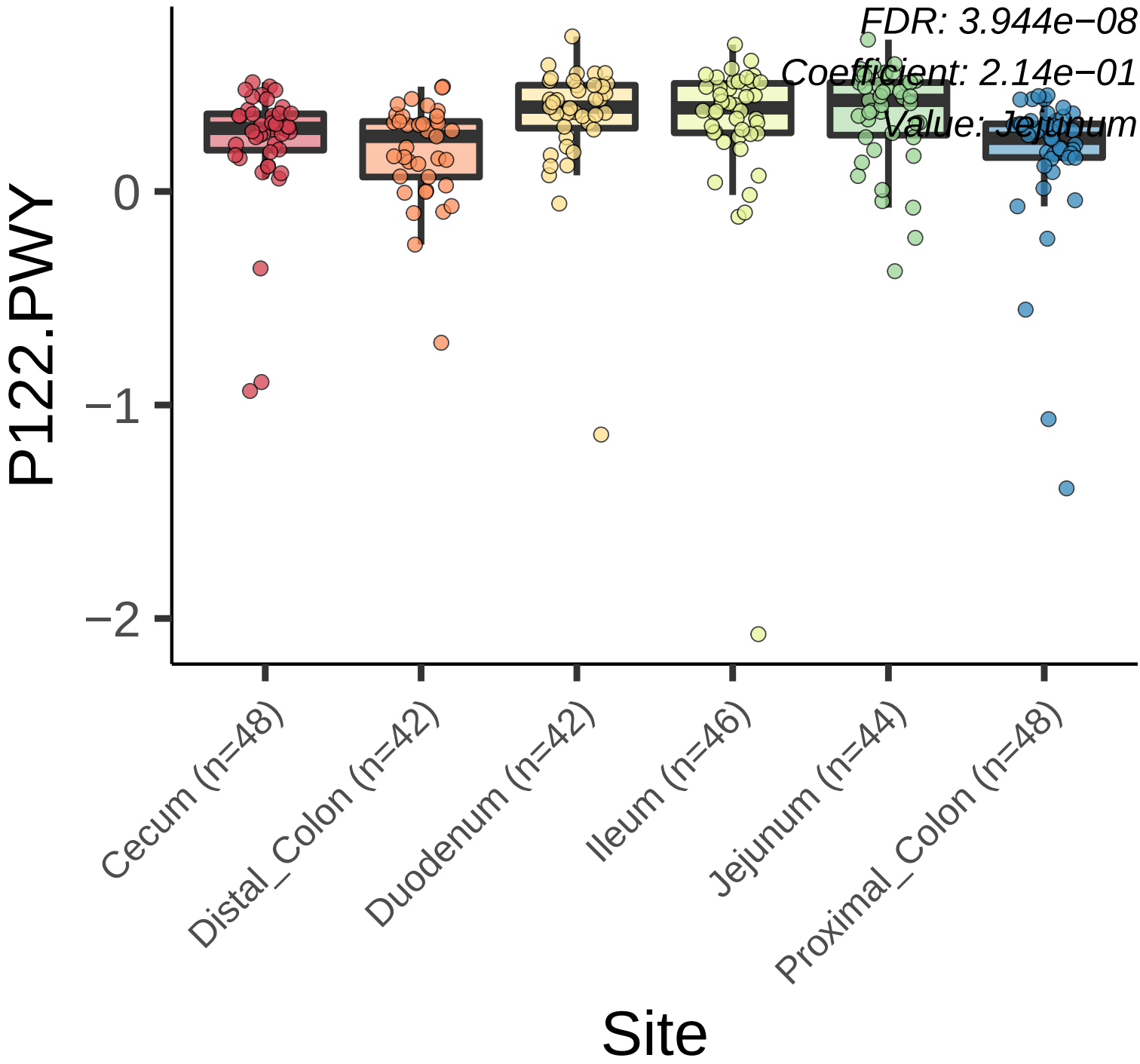

FDR: 3.714e−08
Coefficient: 1.10e−01
Value: Proximal_Colon
OANTIGEN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

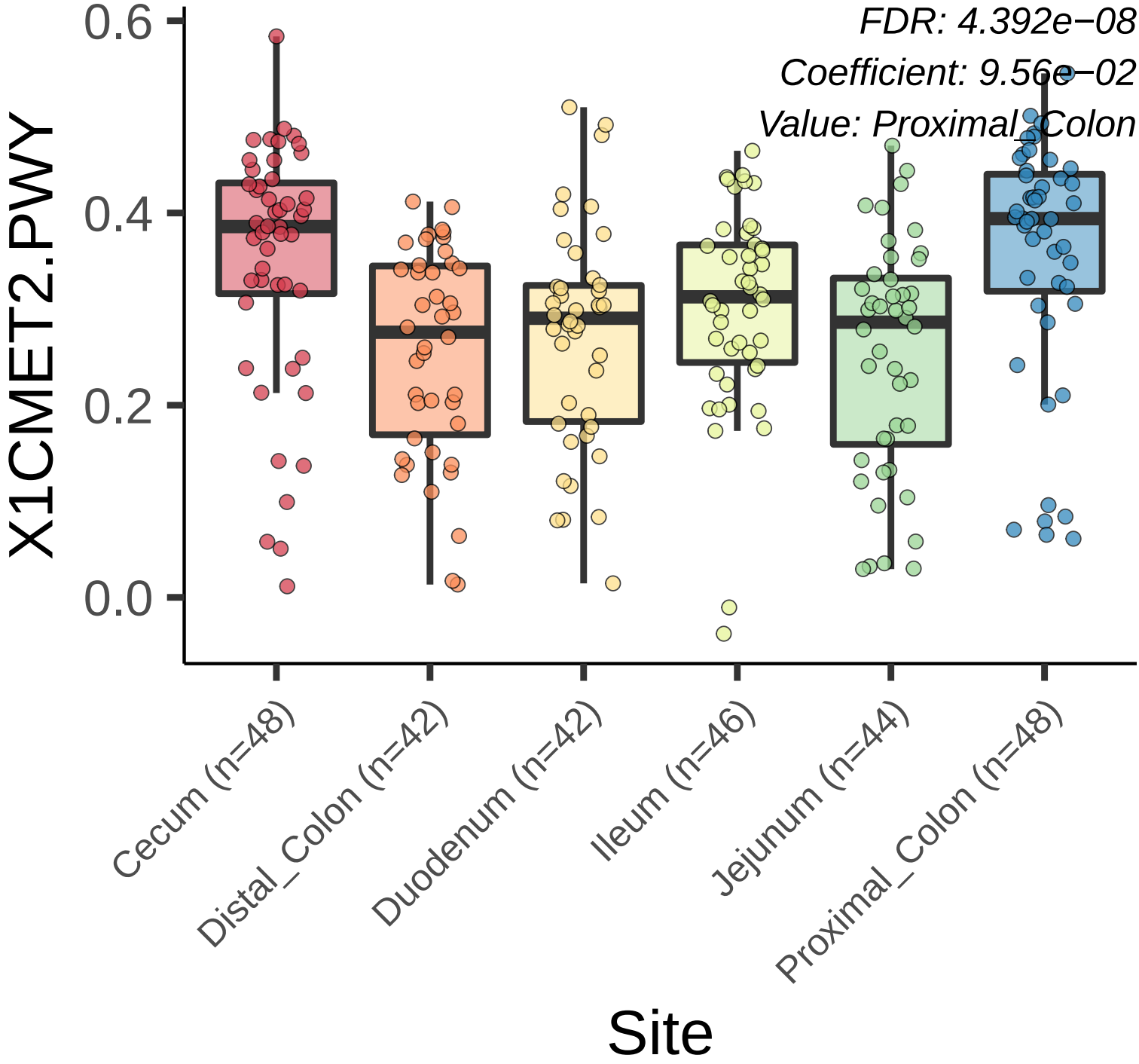

FDR: 3.746e−08
Coefficient: 1.32e−01
Value: Jejunum
PWY.7234
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

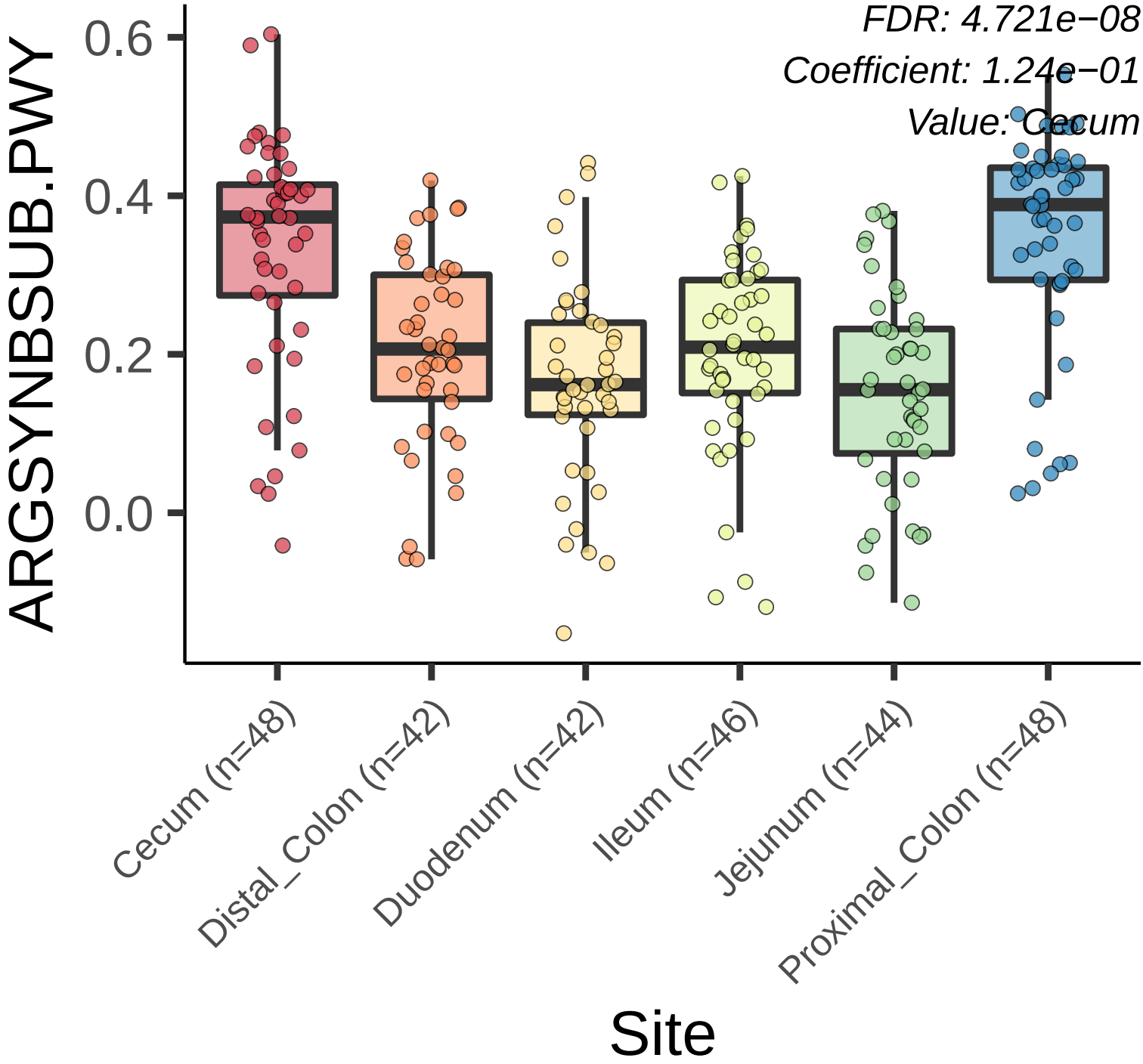

FDR: 3.844e−08
Coefficient: 9.77e−02
Value: Ileum
PWY.5695
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

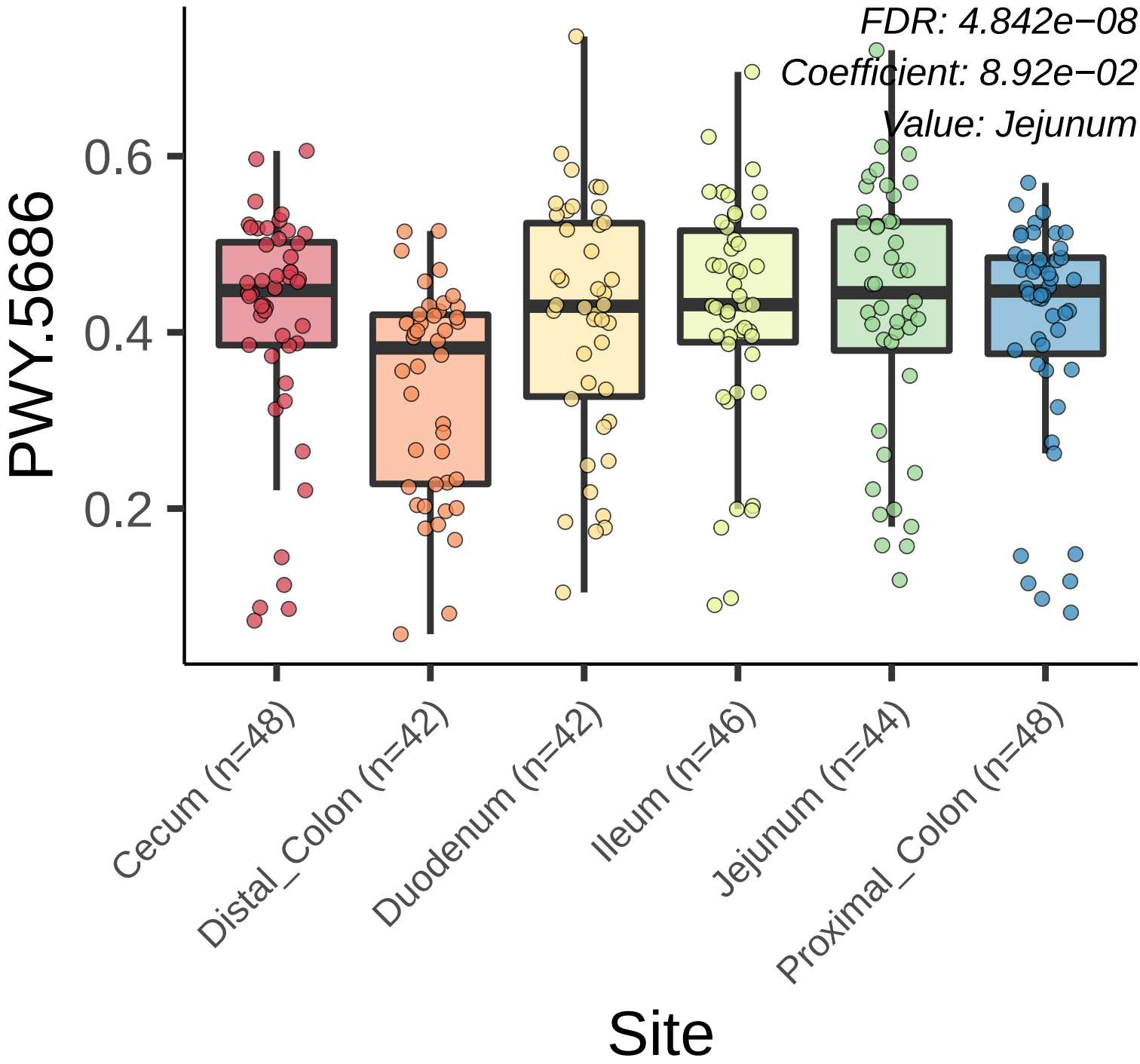

FDR: 3.844e−08
Coefficient: −2.47e−01
Value: Jejunum
PYRIDNUCSAL.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

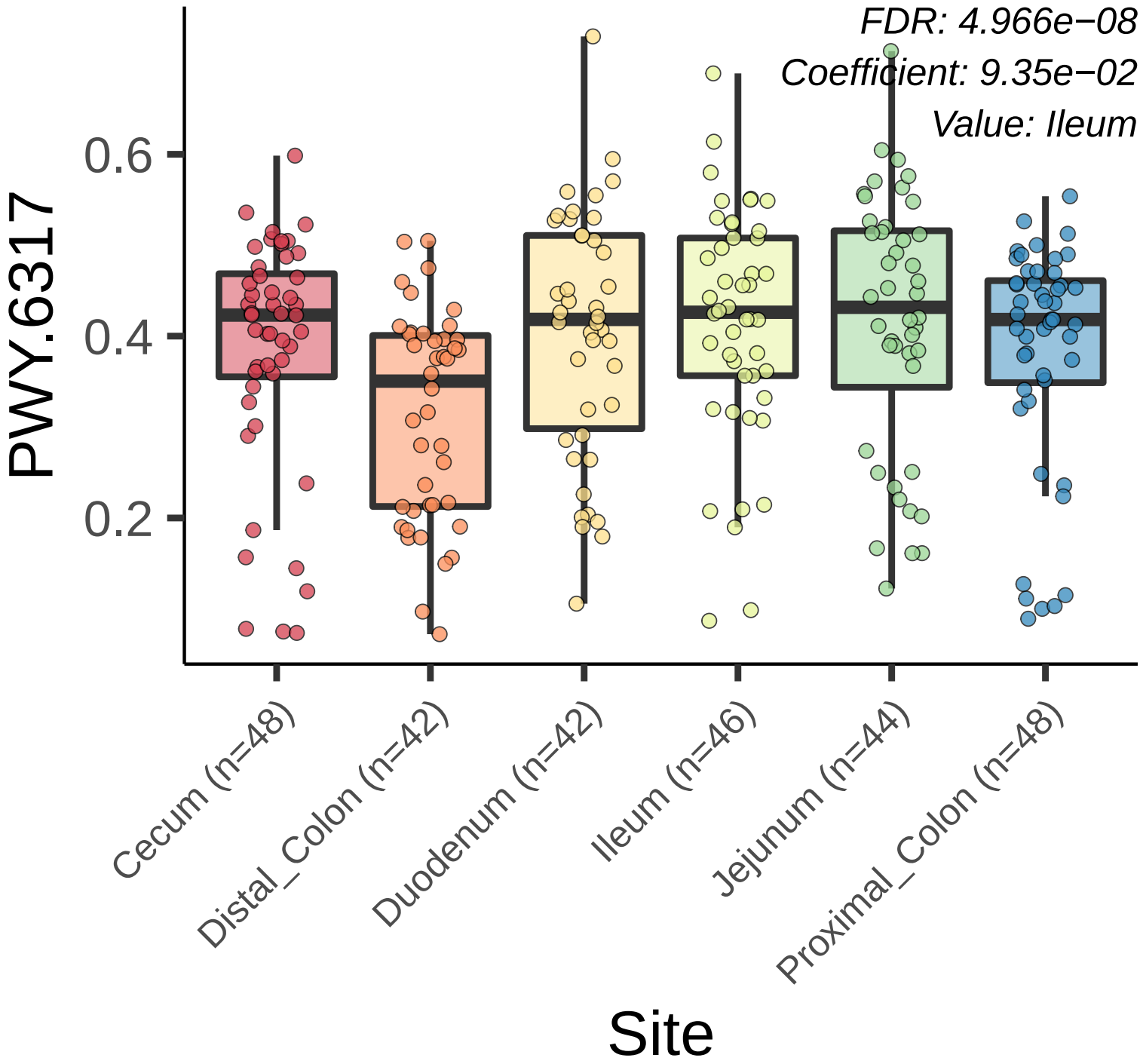

FDR: 3.944e−08
Coefficient: 1.14e−01
Value: Jejunum
OANTIGEN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

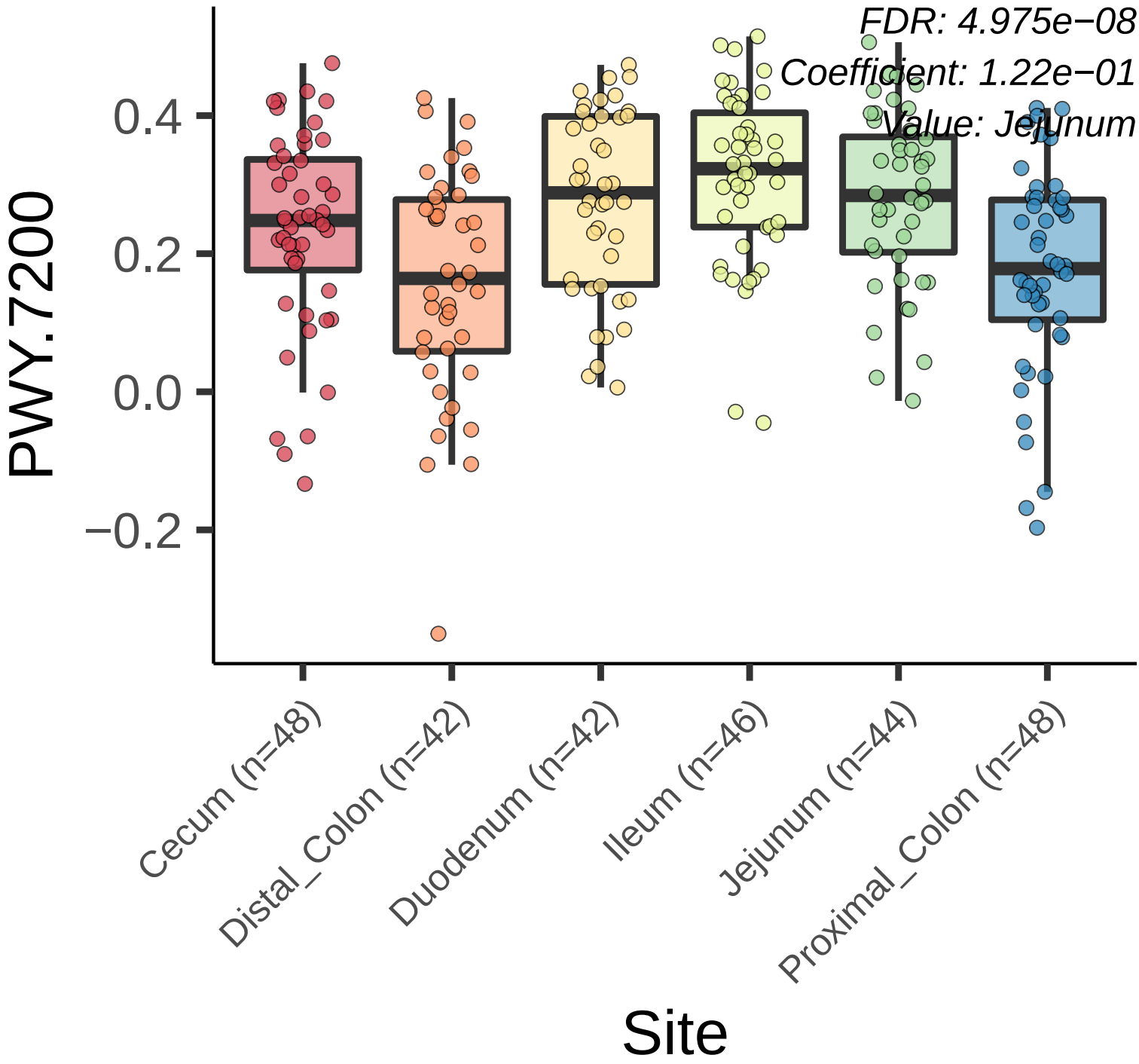

FDR: 3.944e−08
Coefficient: 2.14e−01
Value: Jejunum
P122.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

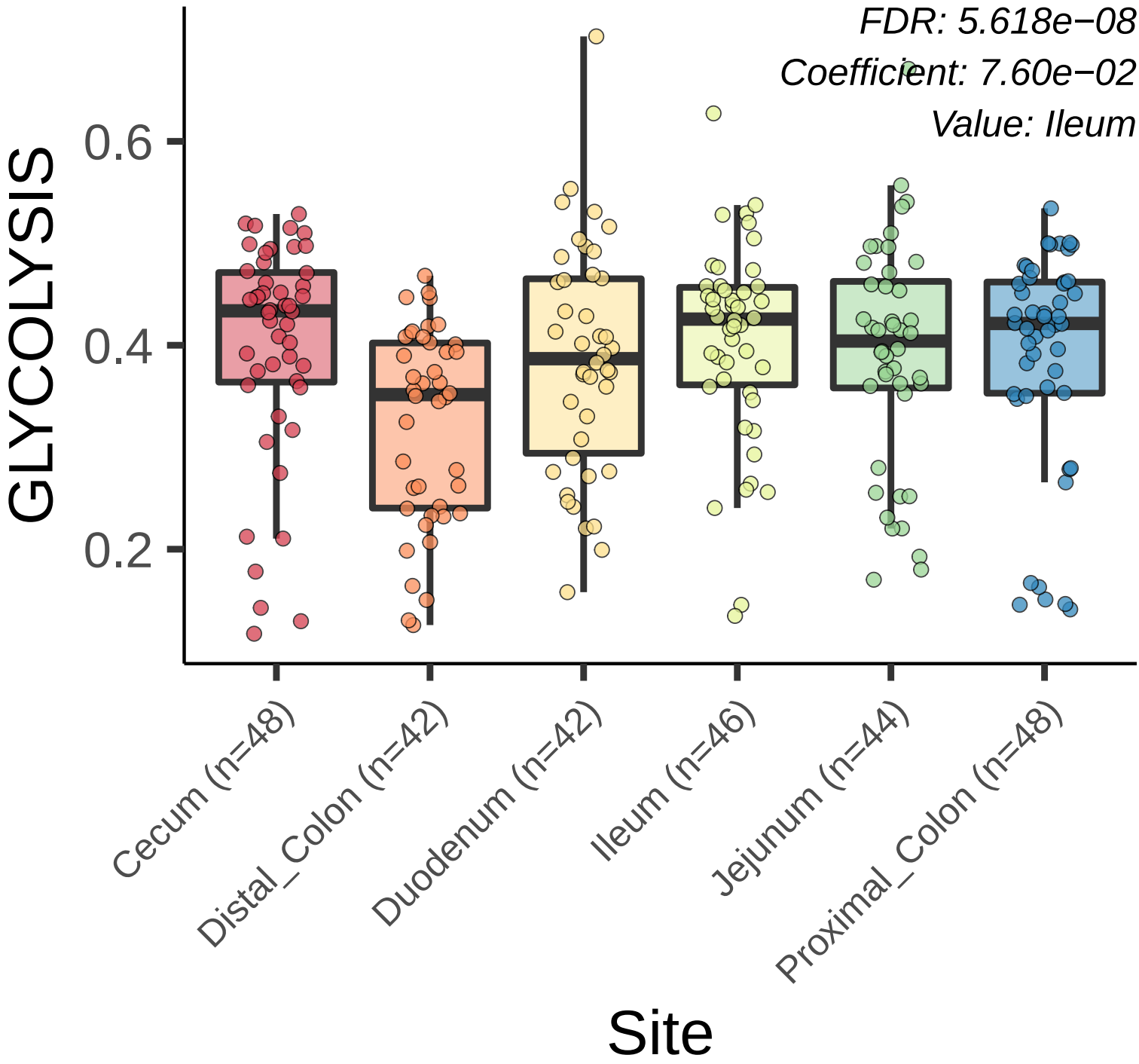

FDR: 4.392e−08
Coefficient: 9.56e−02
Value: Proximal_Colon
X1CMET2.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

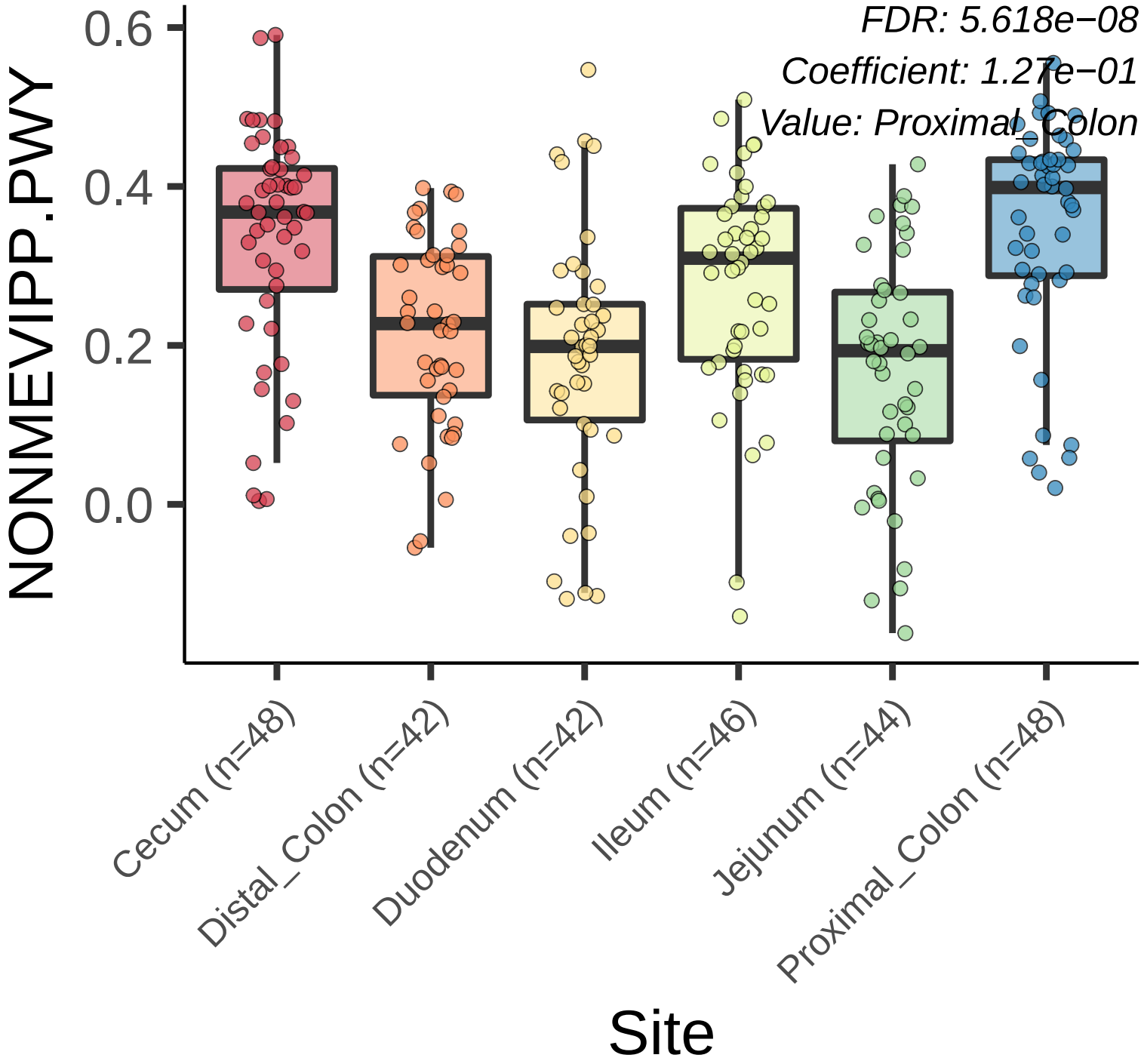

FDR: 4.721e−08
Coefficient: 1.24e−01
Value: Cecum
ARGSYNBSUB.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

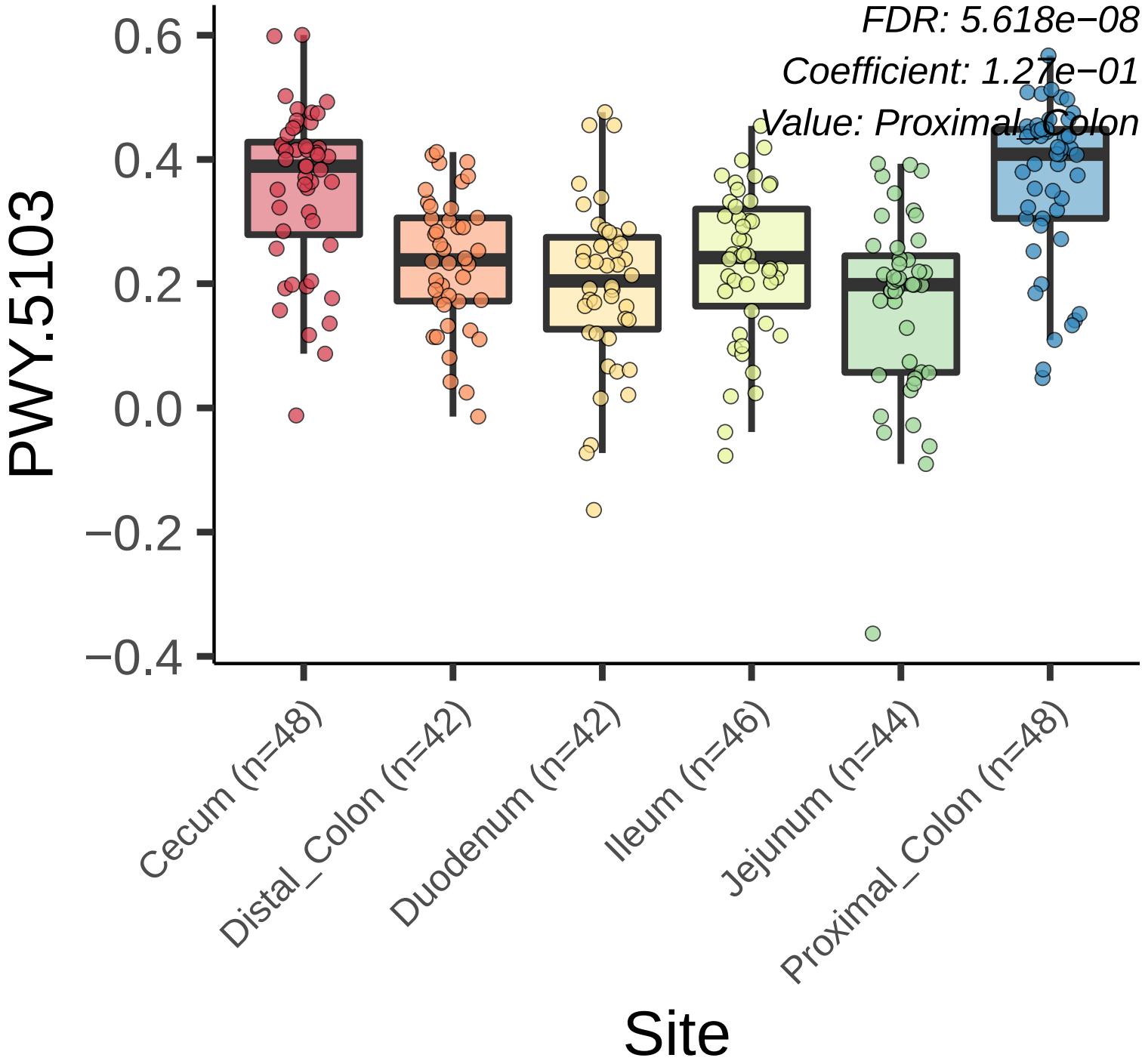

FDR: 4.842e−08
Coefficient: 8.92e−02
Value: Jejunum
PWY.5686
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

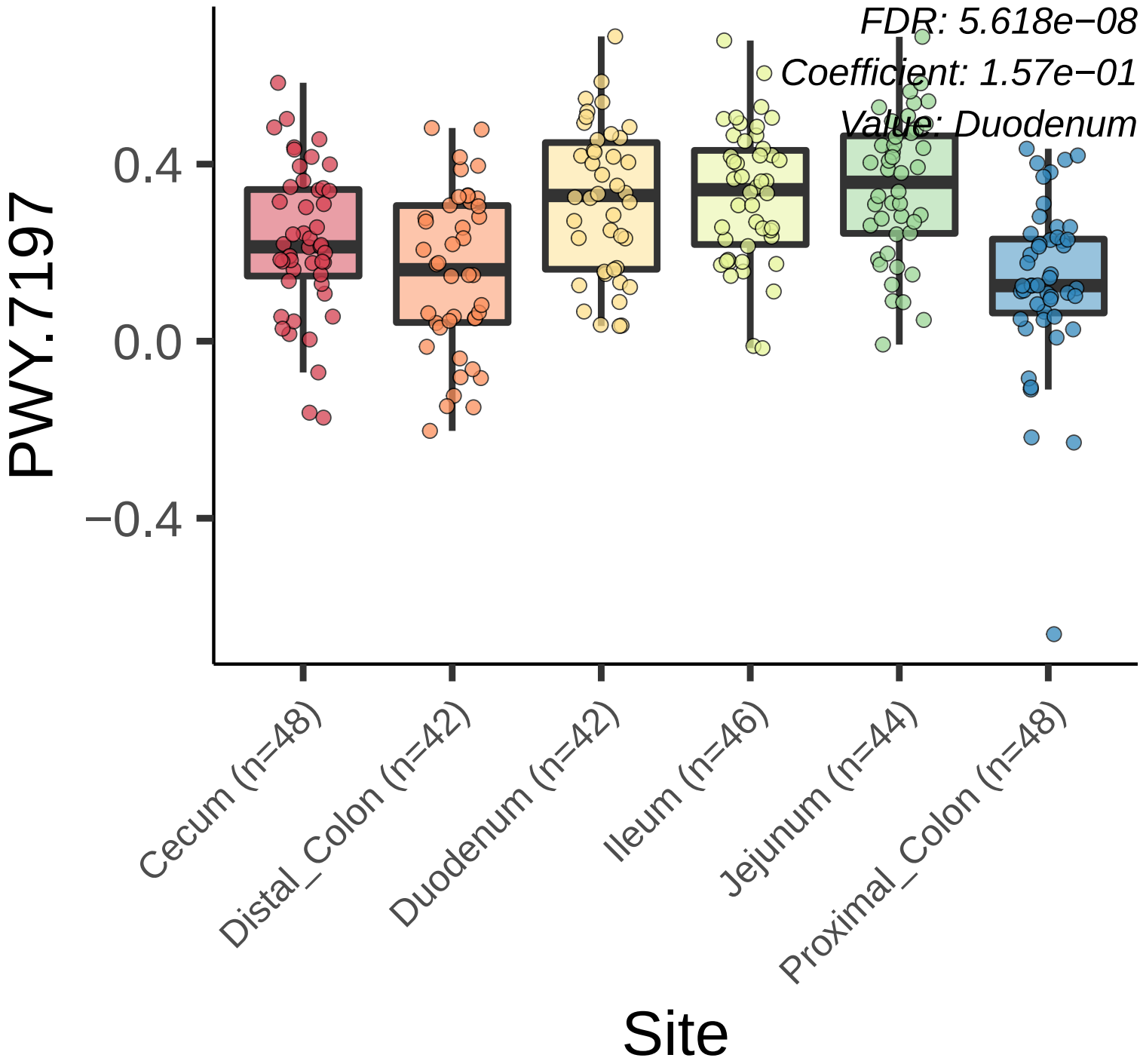

FDR: 4.966e−08
Coefficient: 9.35e−02
Value: Ileum
PWY.6317
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

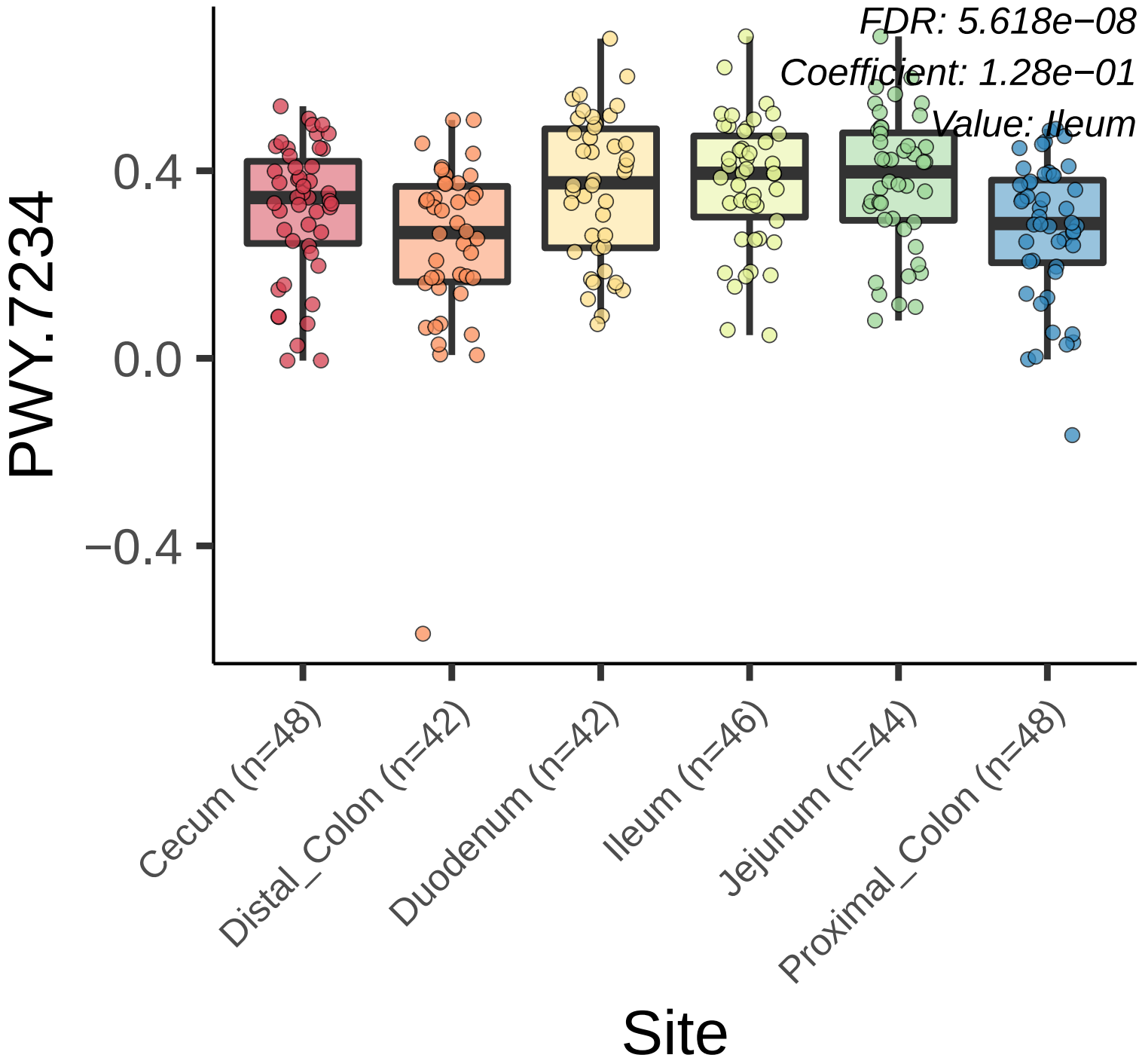

FDR: 4.975e−08
Coefficient: 1.22e−01
Value: Jejunum
PWY.7200
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

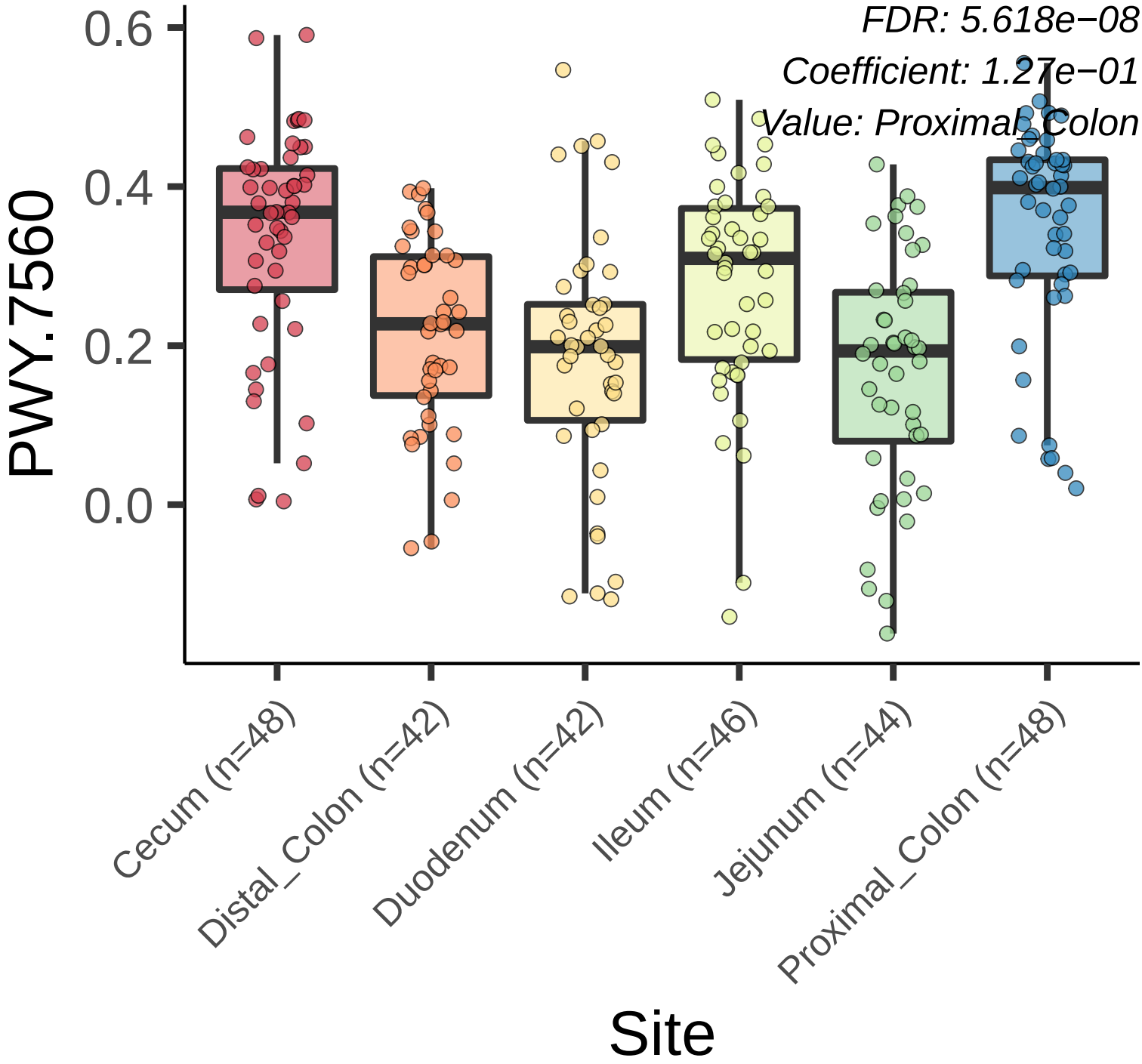

FDR: 5.618e−08
Coefficient: 7.60e−02
Value: Ileum
GLYCOLYSIS
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

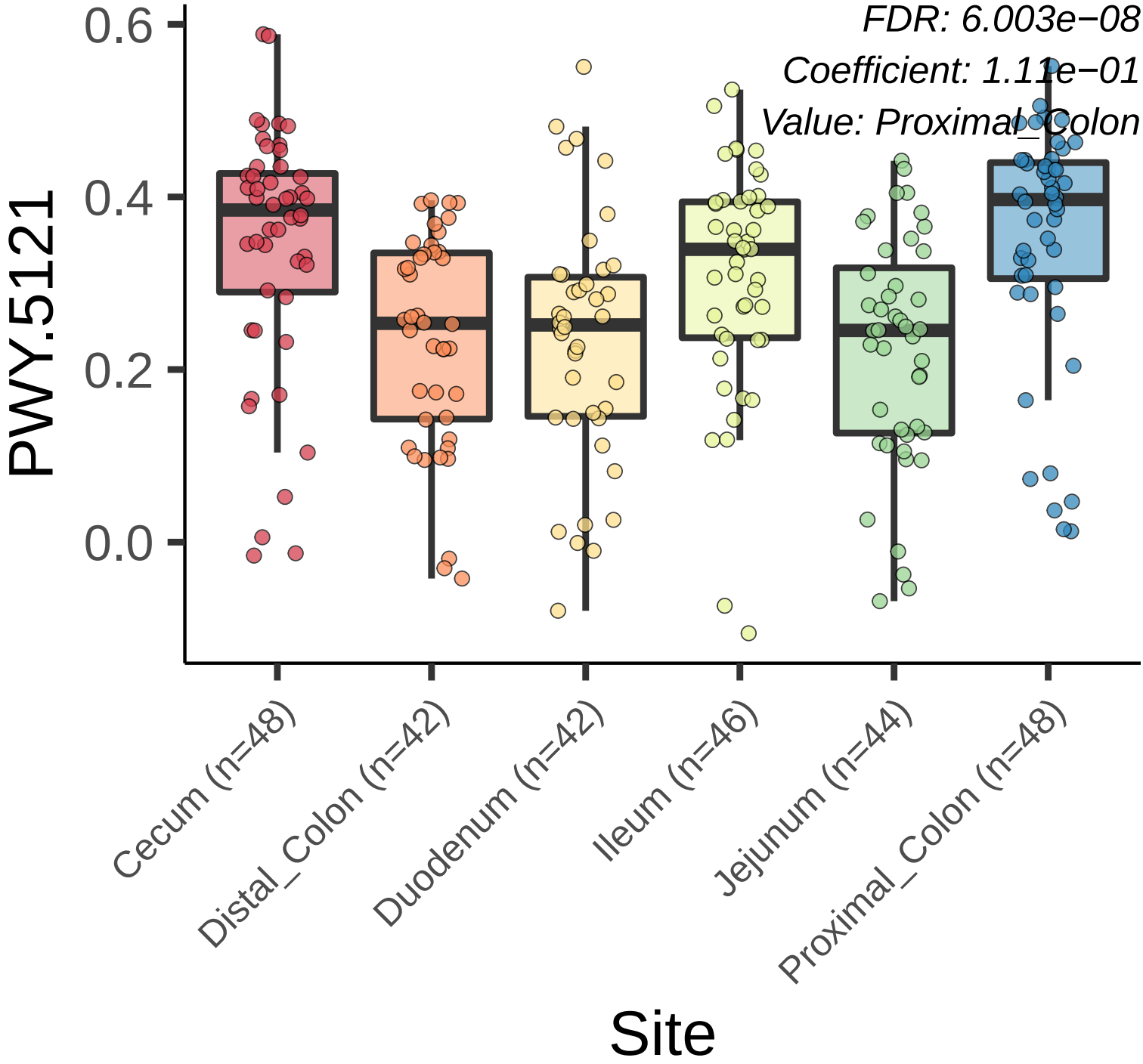

FDR: 5.618e−08
Coefficient: 1.27e−01
Value: Proximal_Colon
NONMEVIPP.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

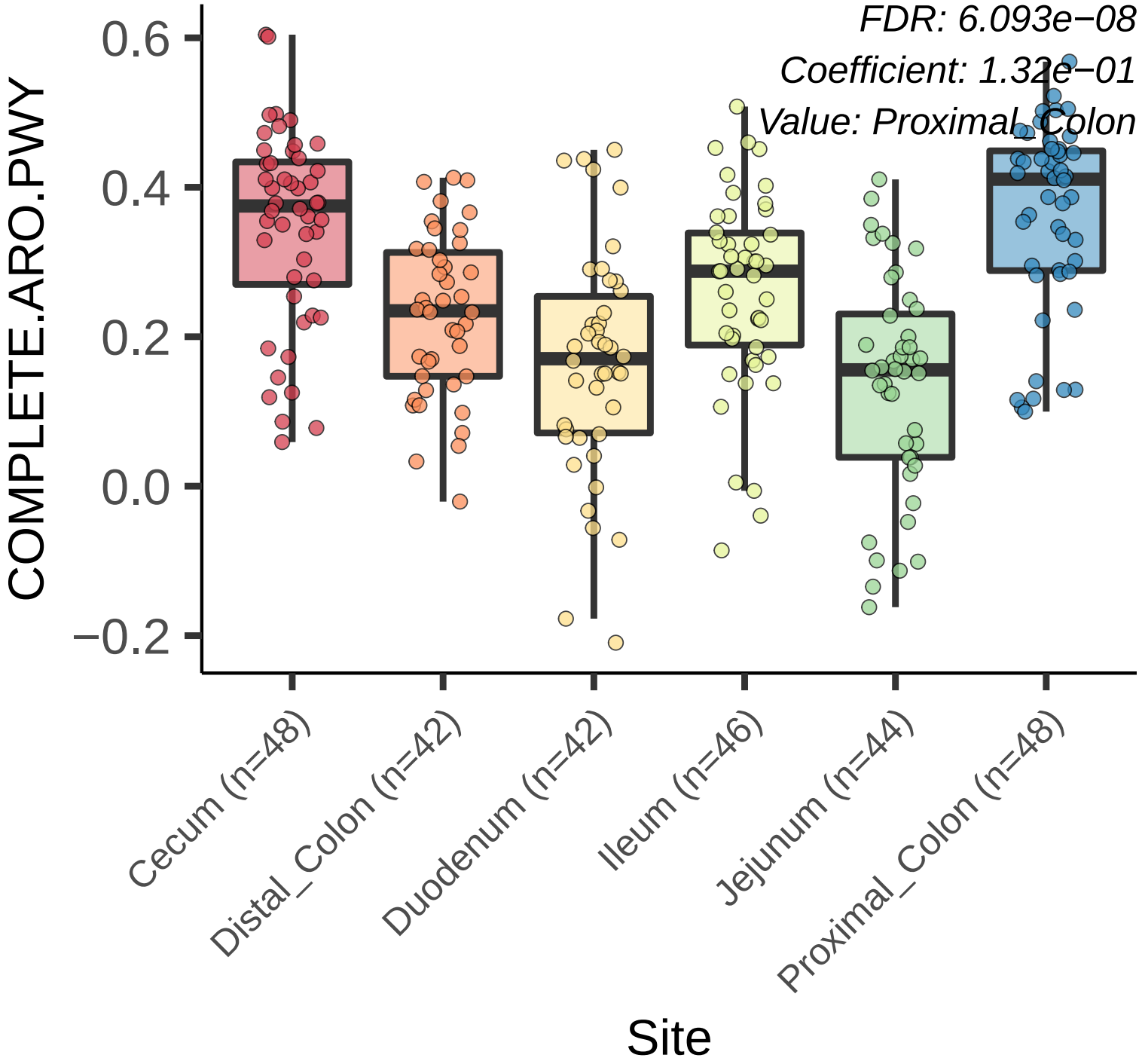

FDR: 5.618e−08
Coefficient: 1.27e−01
Value: Proximal_Colon
PWY.5103
0.6
0.4
0.2
0.0
−0.2
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

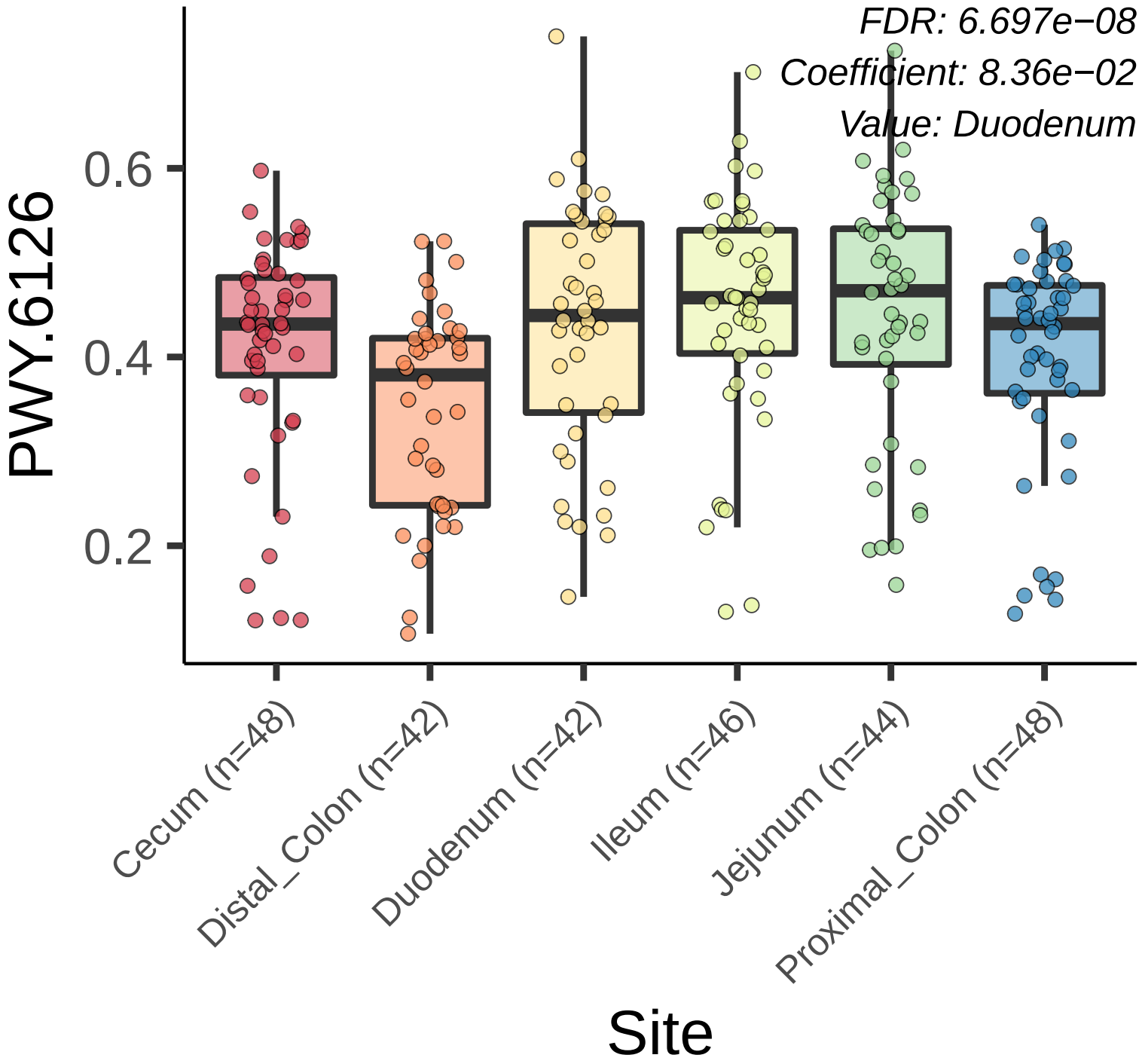

FDR: 5.618e−08
Coefficient: 1.57e−01
Value: Duodenum
PWY.7197
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

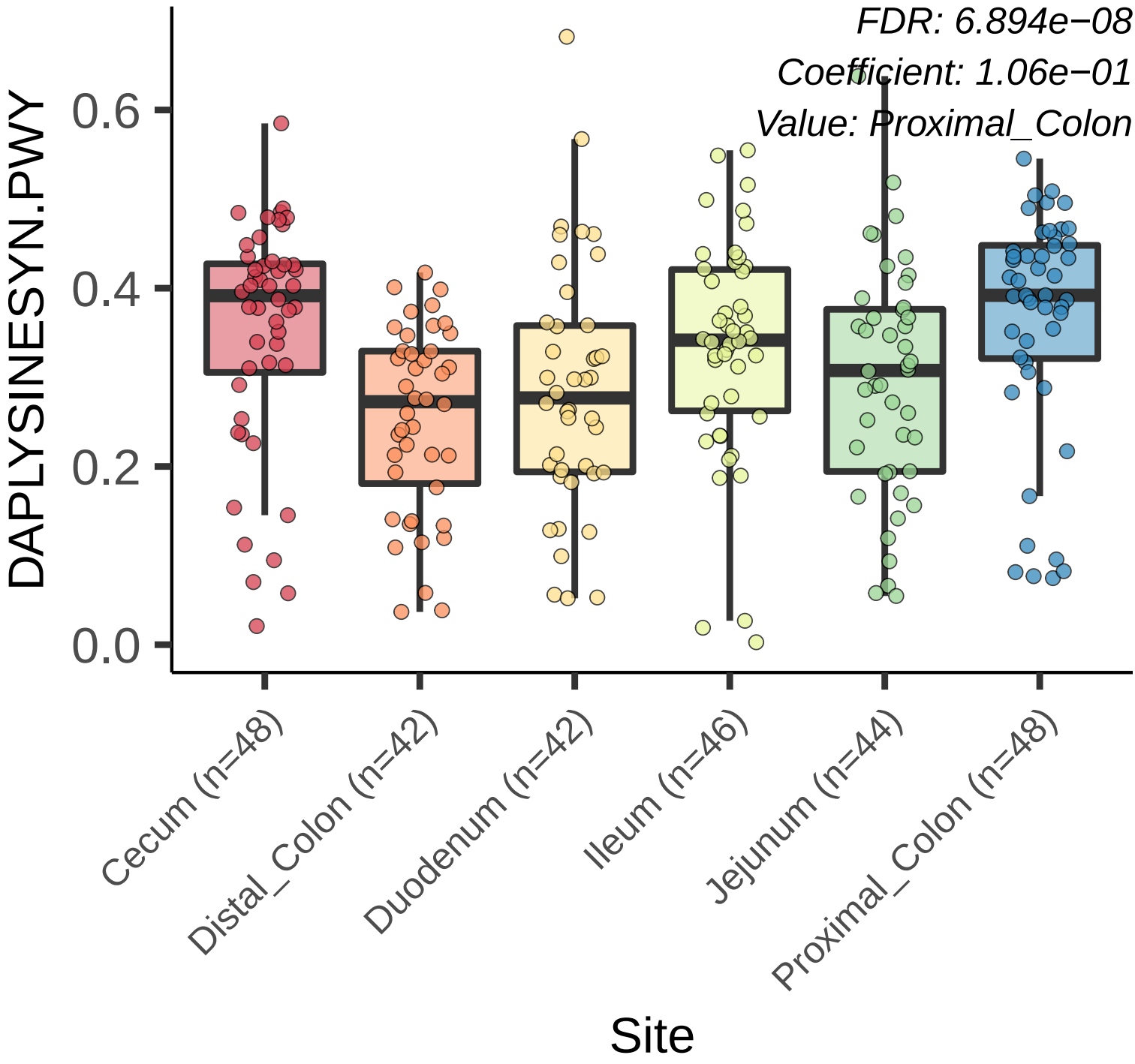

FDR: 5.618e−08
Coefficient: 1.28e−01
Value: Ileum
PWY.7234
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

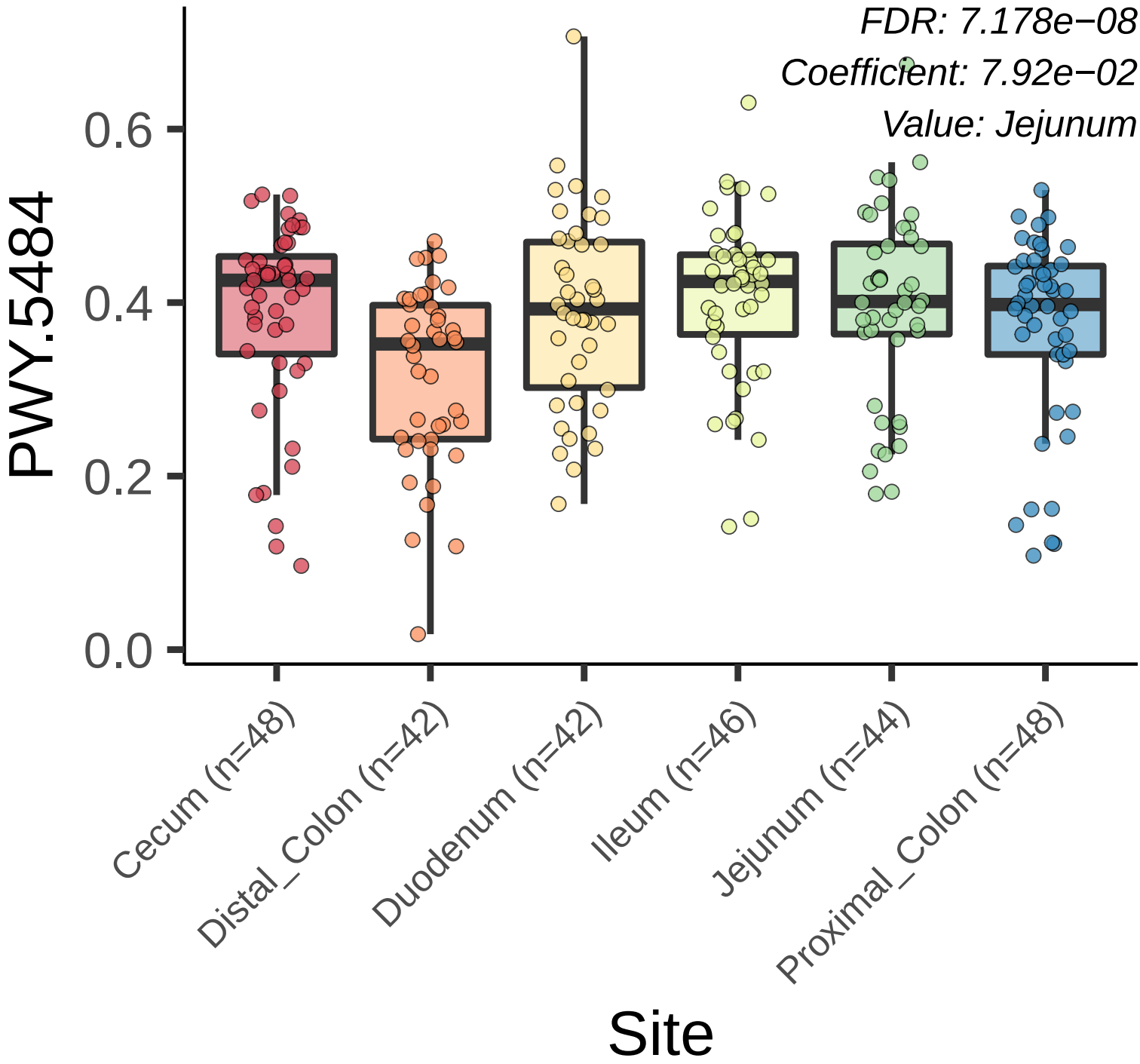

FDR: 5.618e−08
Coefficient: 1.27e−01
Value: Proximal_Colon
PWY.7560
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

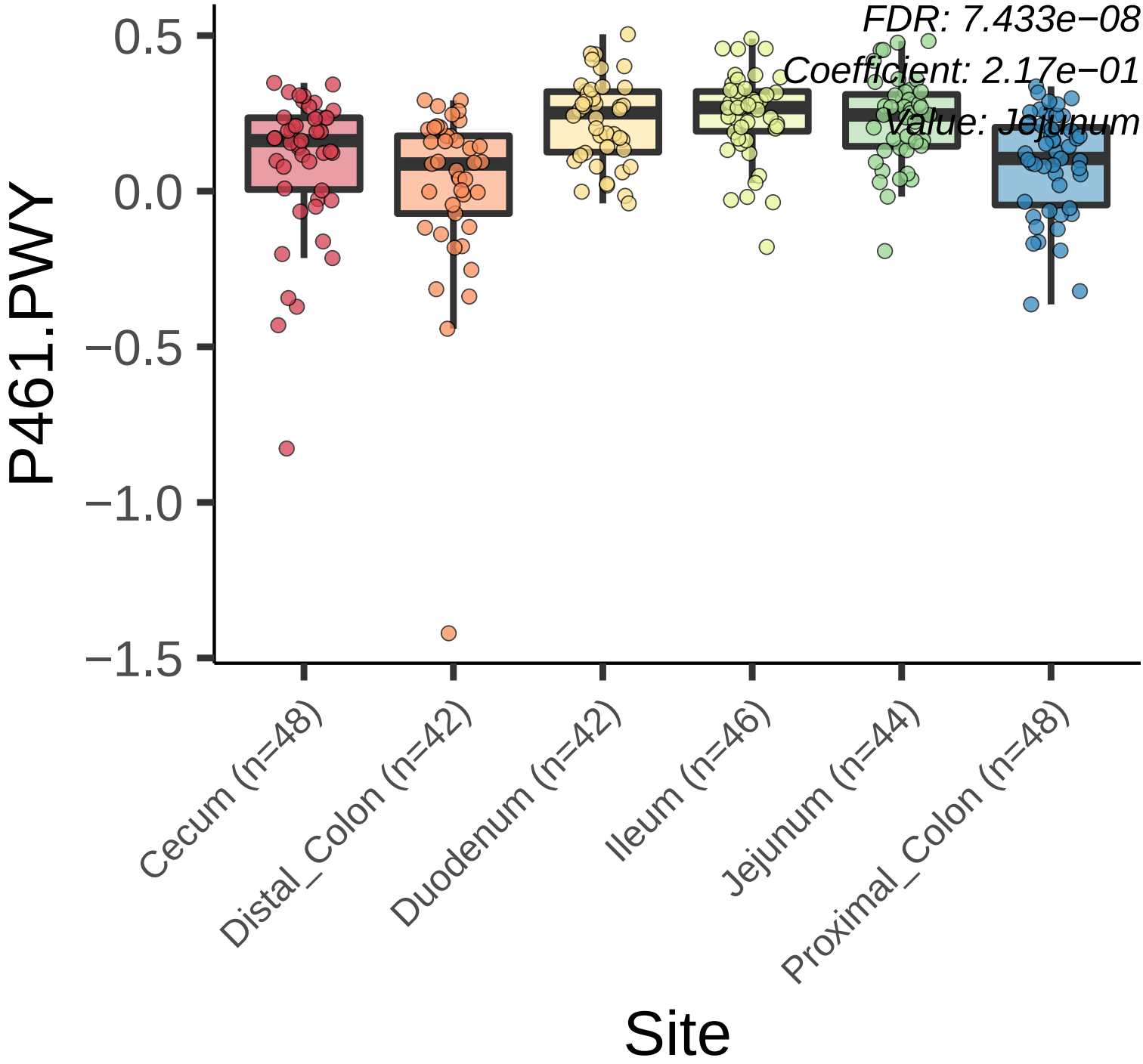

FDR: 6.003e−08
Coefficient: 1.11e−01
Value: Proximal_Colon
PWY.5121
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

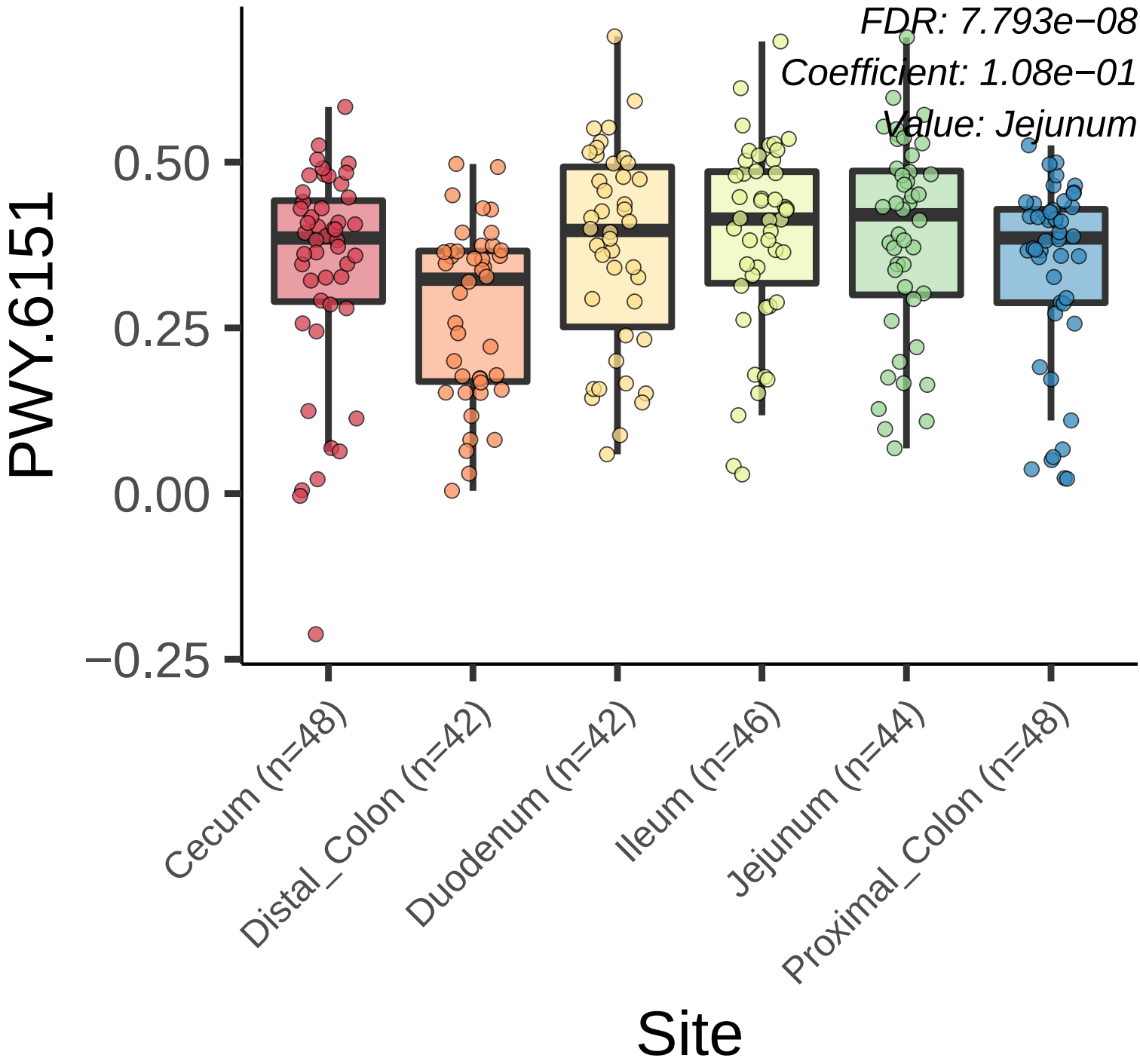

FDR: 6.093e−08
Coefficient: 1.32e−01
Value: Proximal_Colon
COMPLETE.ARO.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

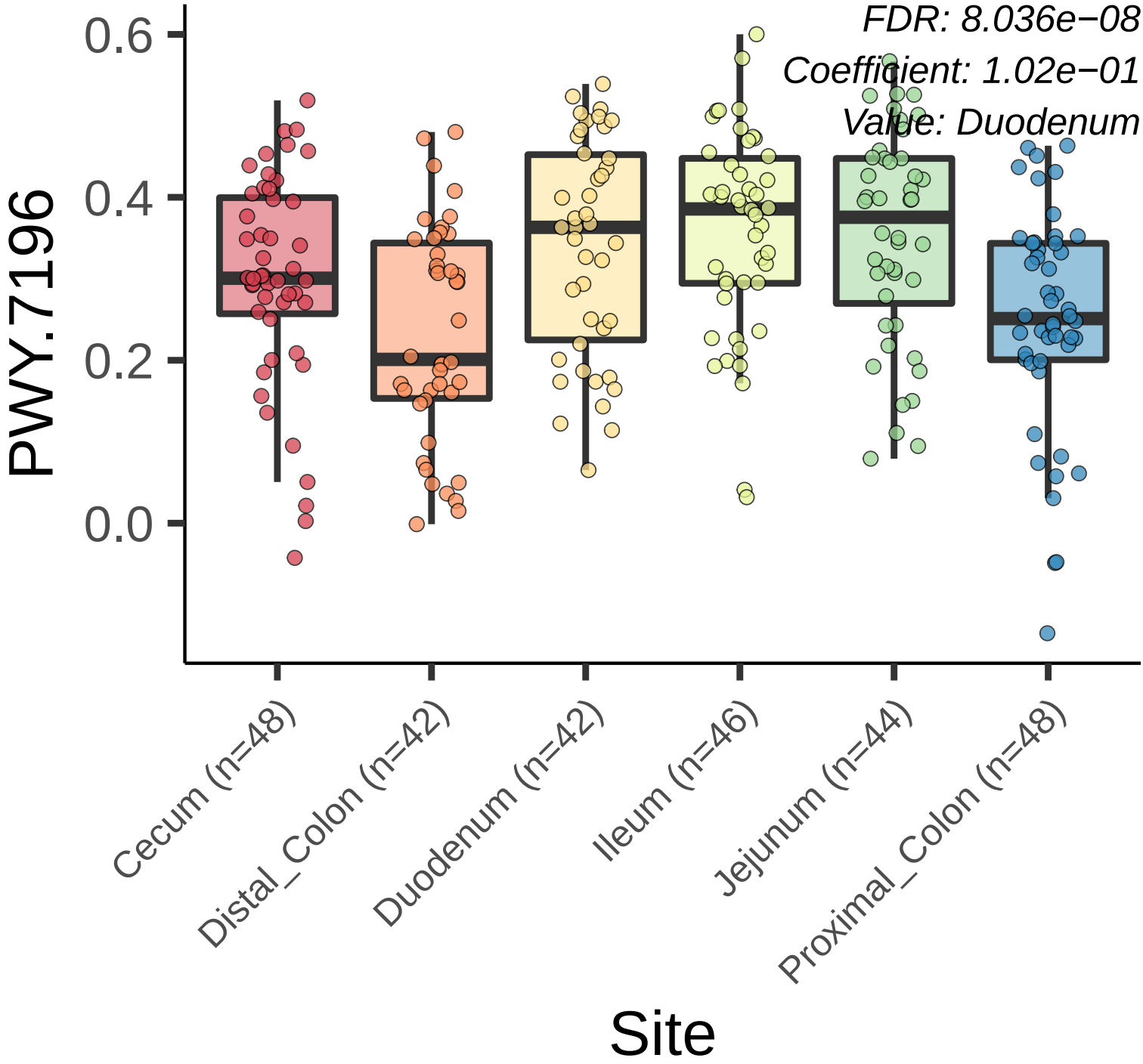

FDR: 6.697e−08
Coefficient: 8.36e−02
Value: Duodenum
PWY.6126
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

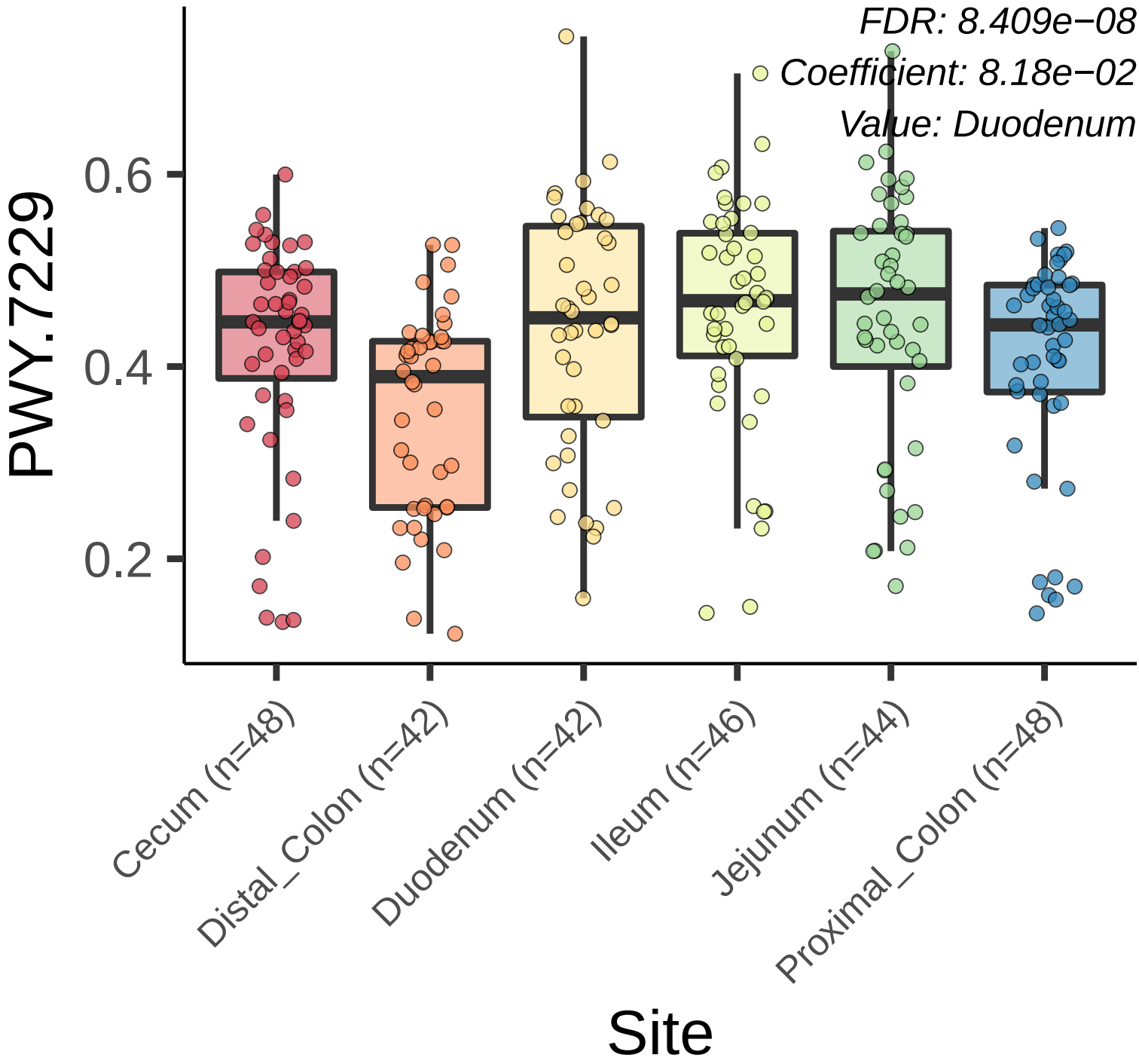

FDR: 6.894e−08
Coefficient: 1.06e−01
Value: Proximal_Colon
DAPLYSINESYN.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

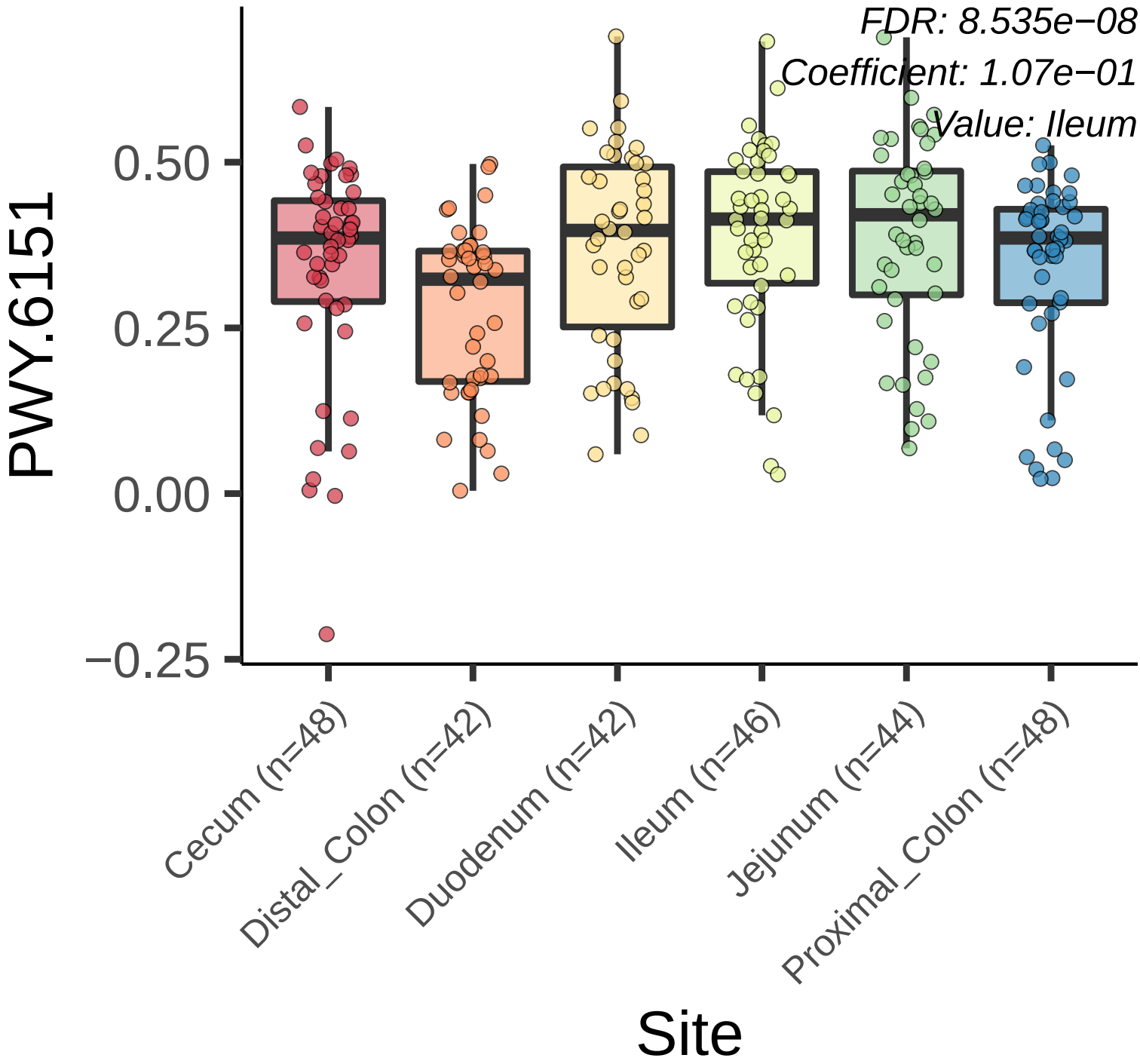

FDR: 7.178e−08
Coefficient: 7.92e−02
Value: Jejunum
PWY.5484
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

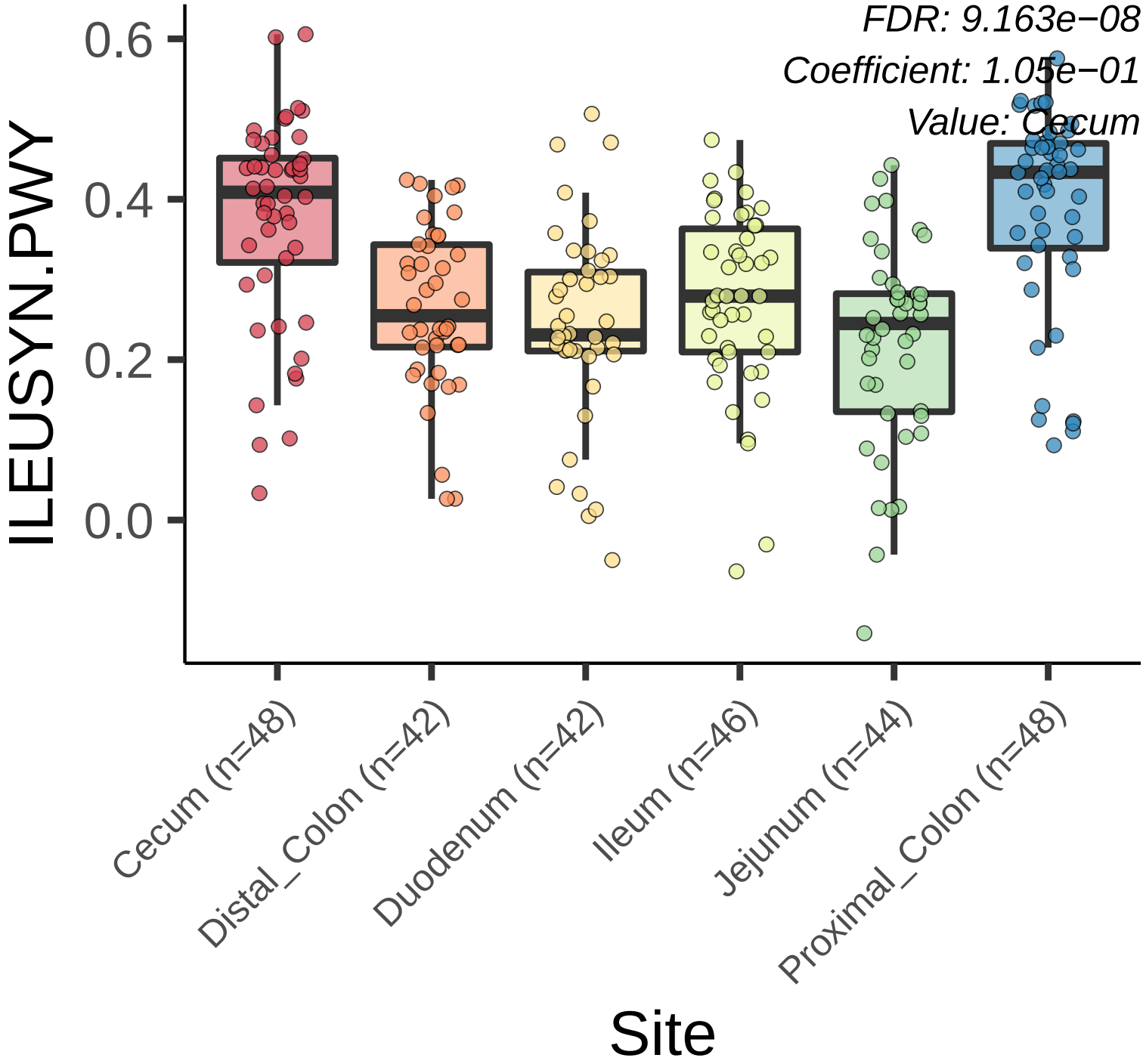

FDR: 7.433e−08
Coefficient: 2.17e−01
Value: Jejunum
P461.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

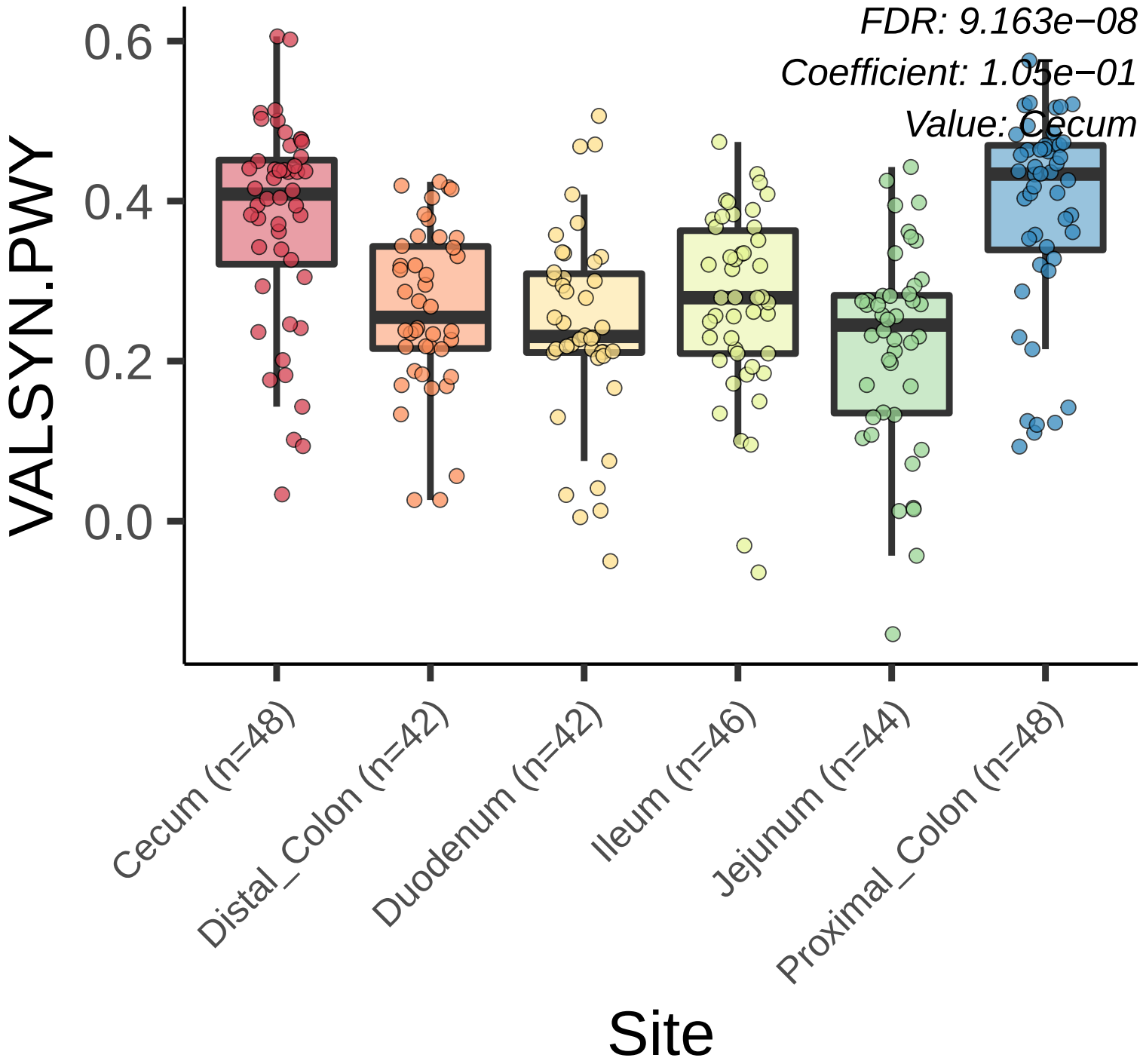

FDR: 7.793e−08
Coefficient: 1.08e−01
Value: Jejunum
PWY.6151
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

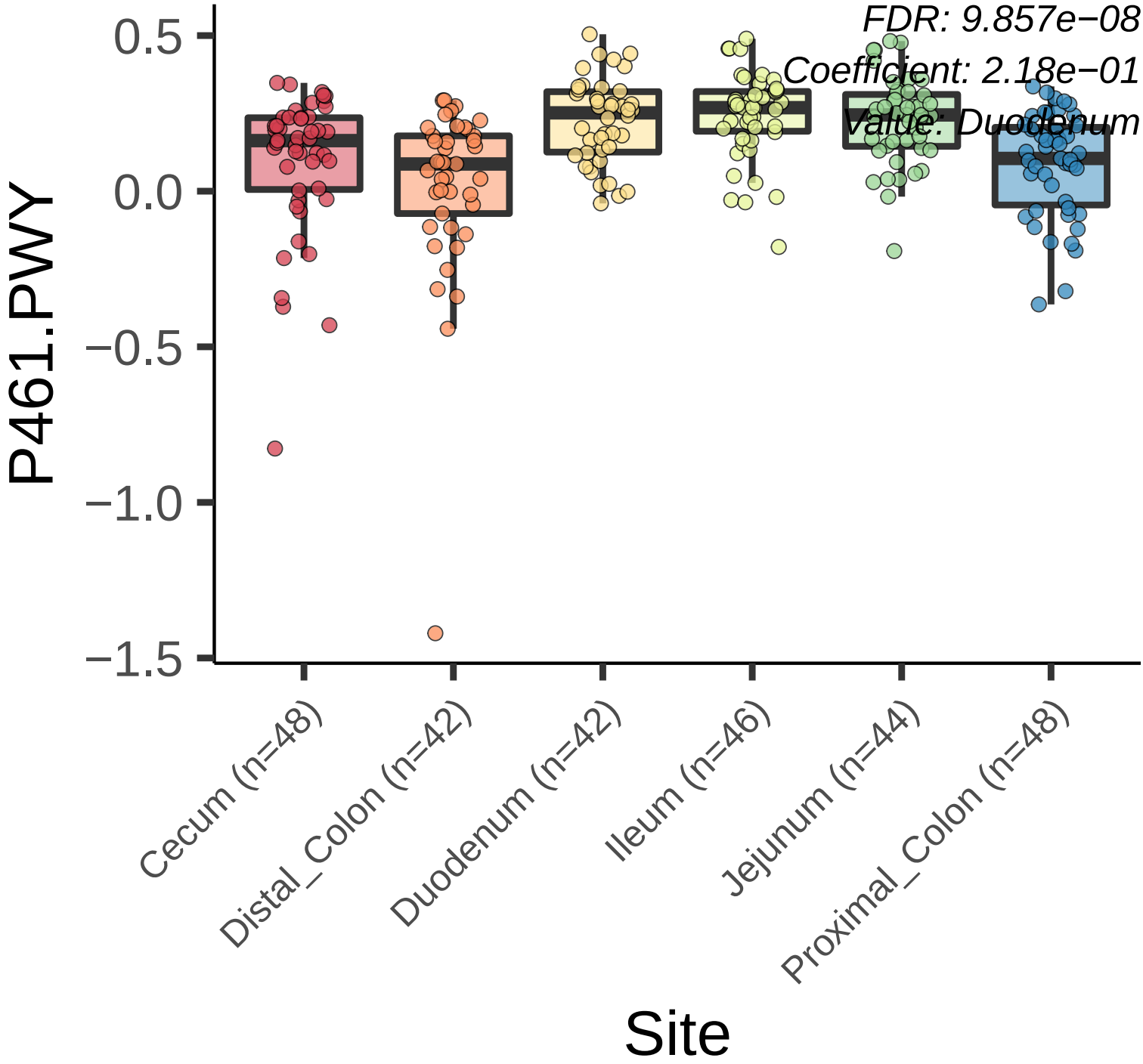

FDR: 8.036e−08
Coefficient: 1.02e−01
Value: Duodenum
PWY.7196
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

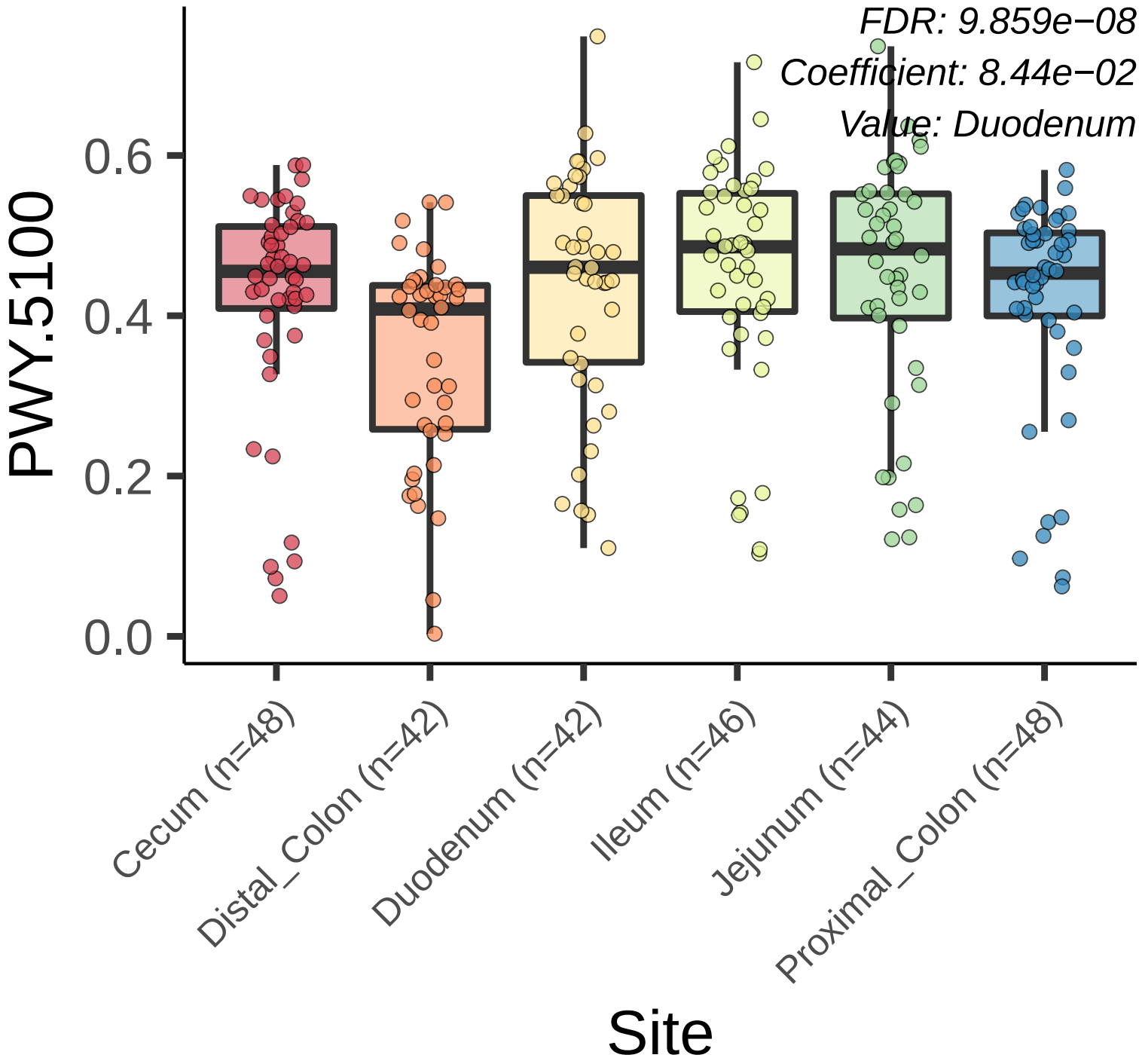

FDR: 8.409e−08
Coefficient: 8.18e−02
Value: Duodenum
PWY.7229
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

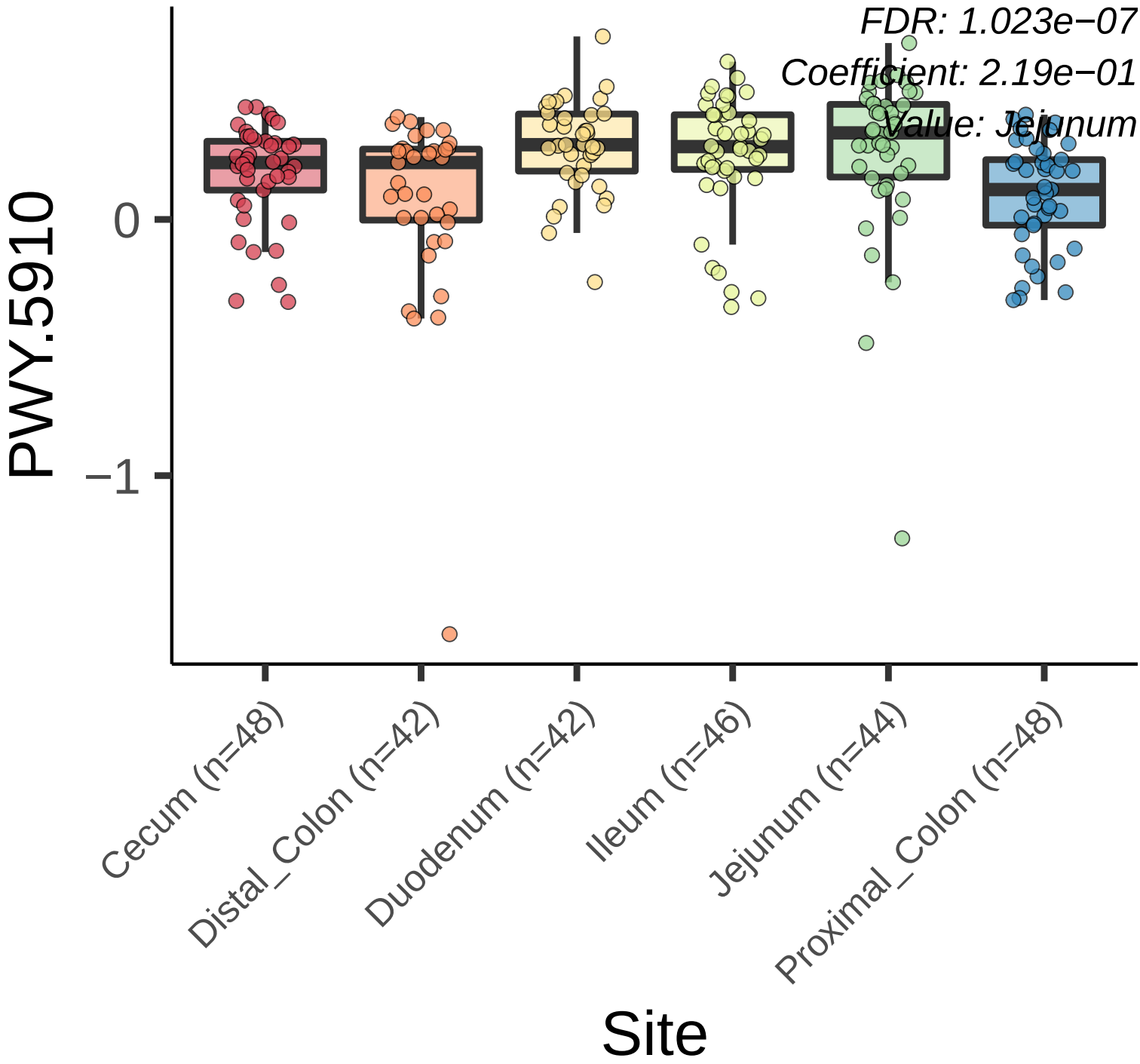

FDR: 8.535e−08
Coefficient: 1.07e−01
Value: Ileum
PWY.6151
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

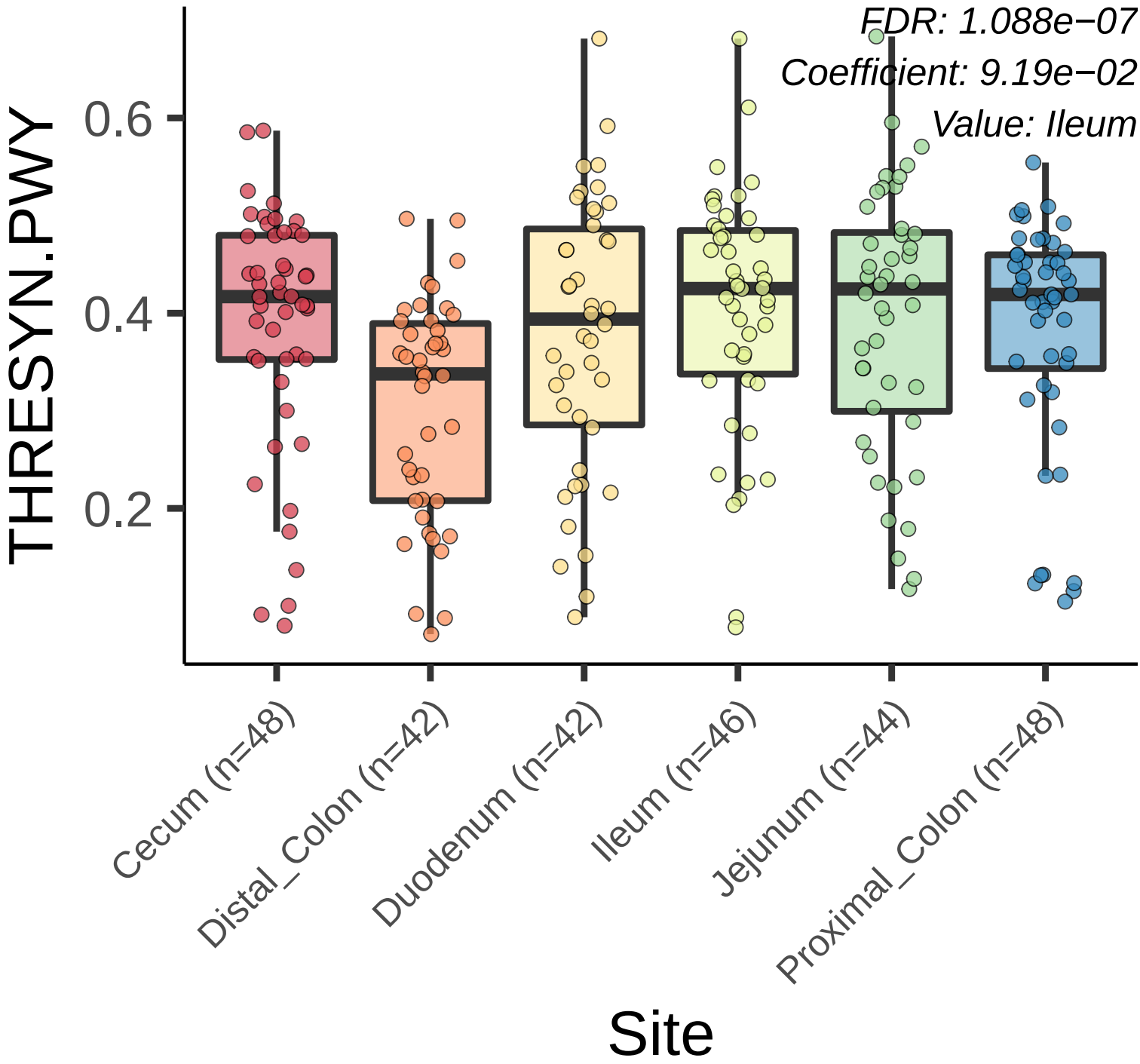

FDR: 9.163e−08
Coefficient: 1.05e−01
Value: Cecum
ILEUSYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

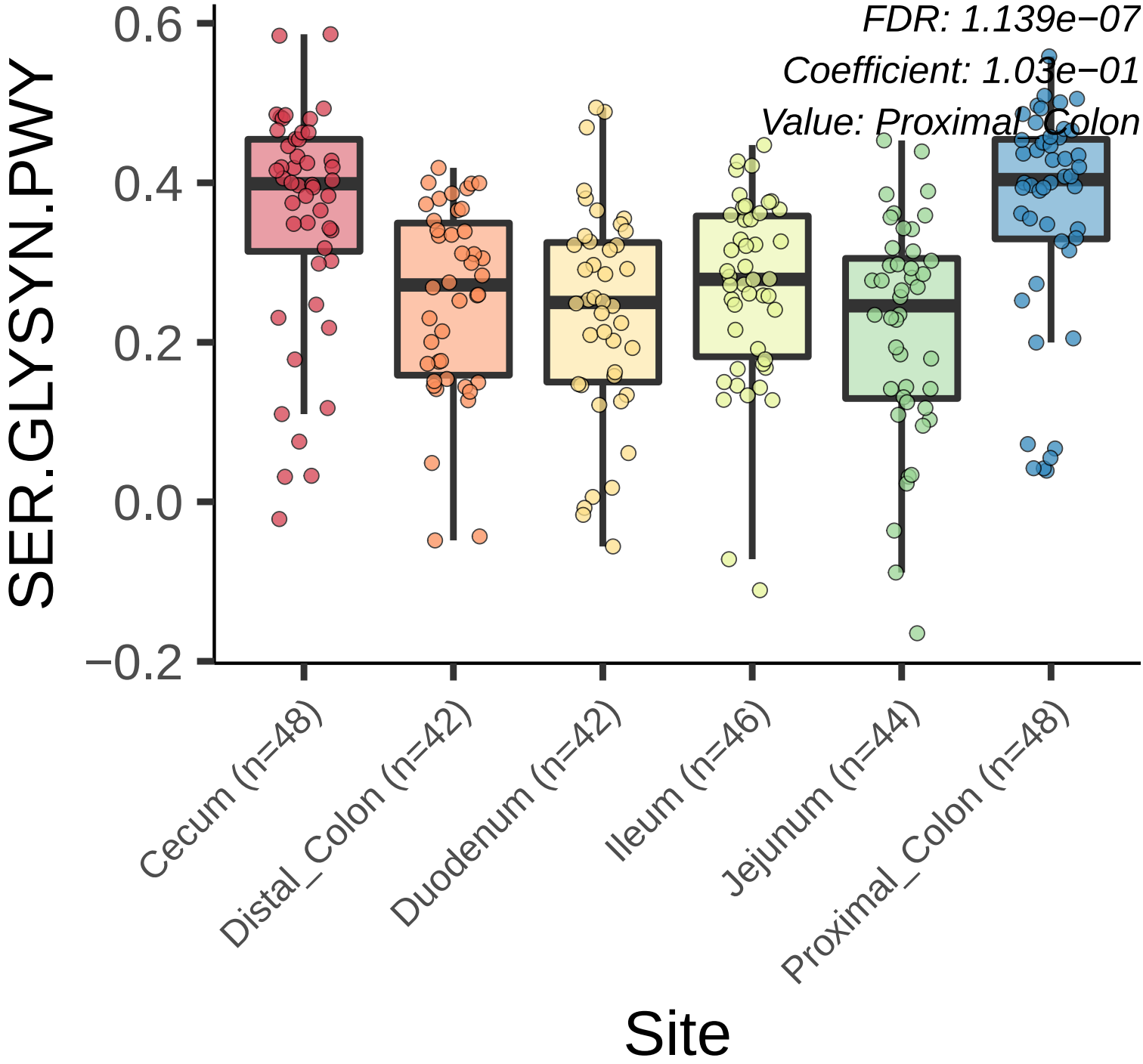

FDR: 9.163e−08
Coefficient: 1.05e−01
Value: Cecum
VALSYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

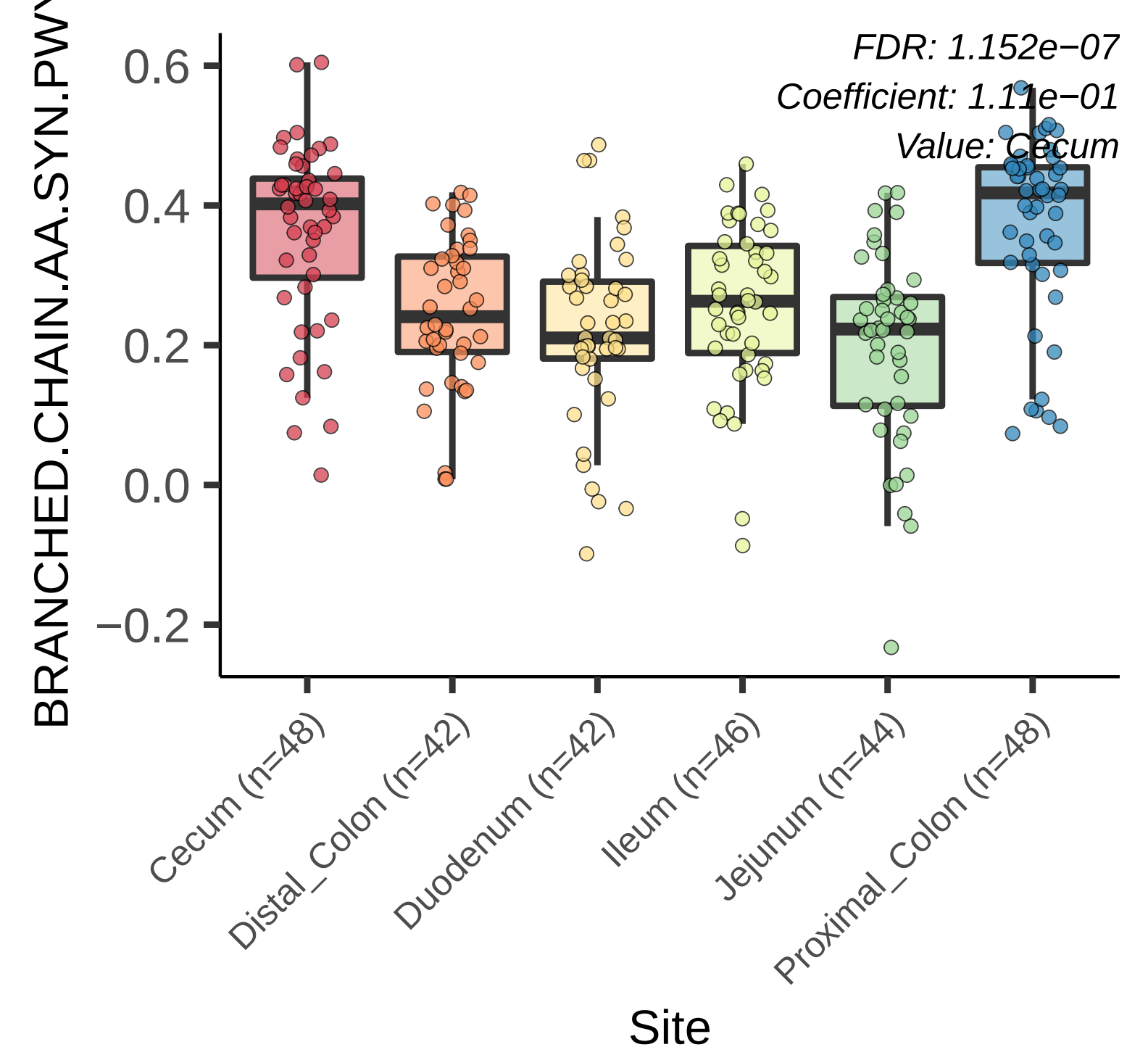

FDR: 9.857e−08
Coefficient: 2.18e−01
Value: Duodenum
P461.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

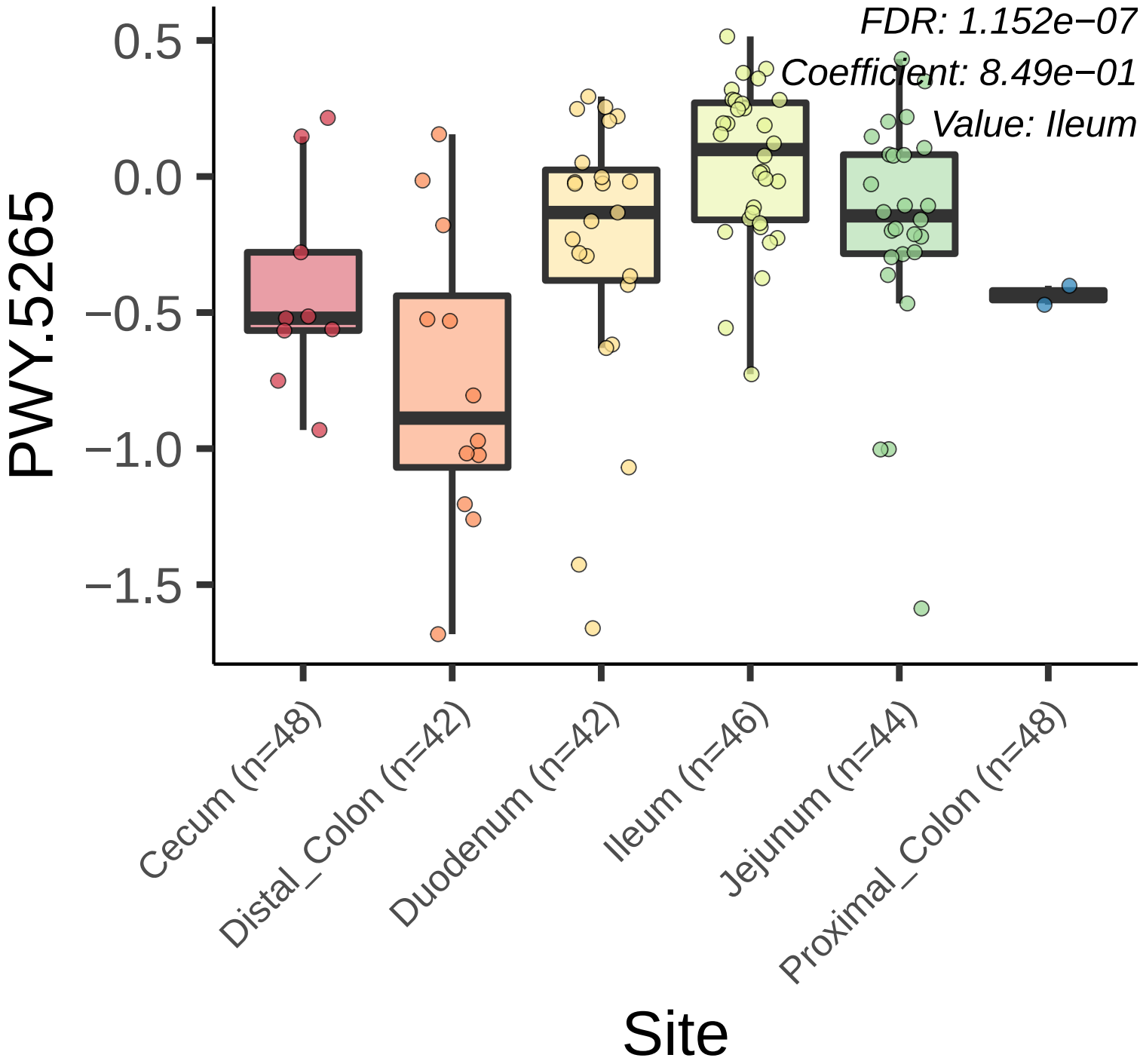

FDR: 9.859e−08
Coefficient: 8.44e−02
Value: Duodenum
PWY.5100
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

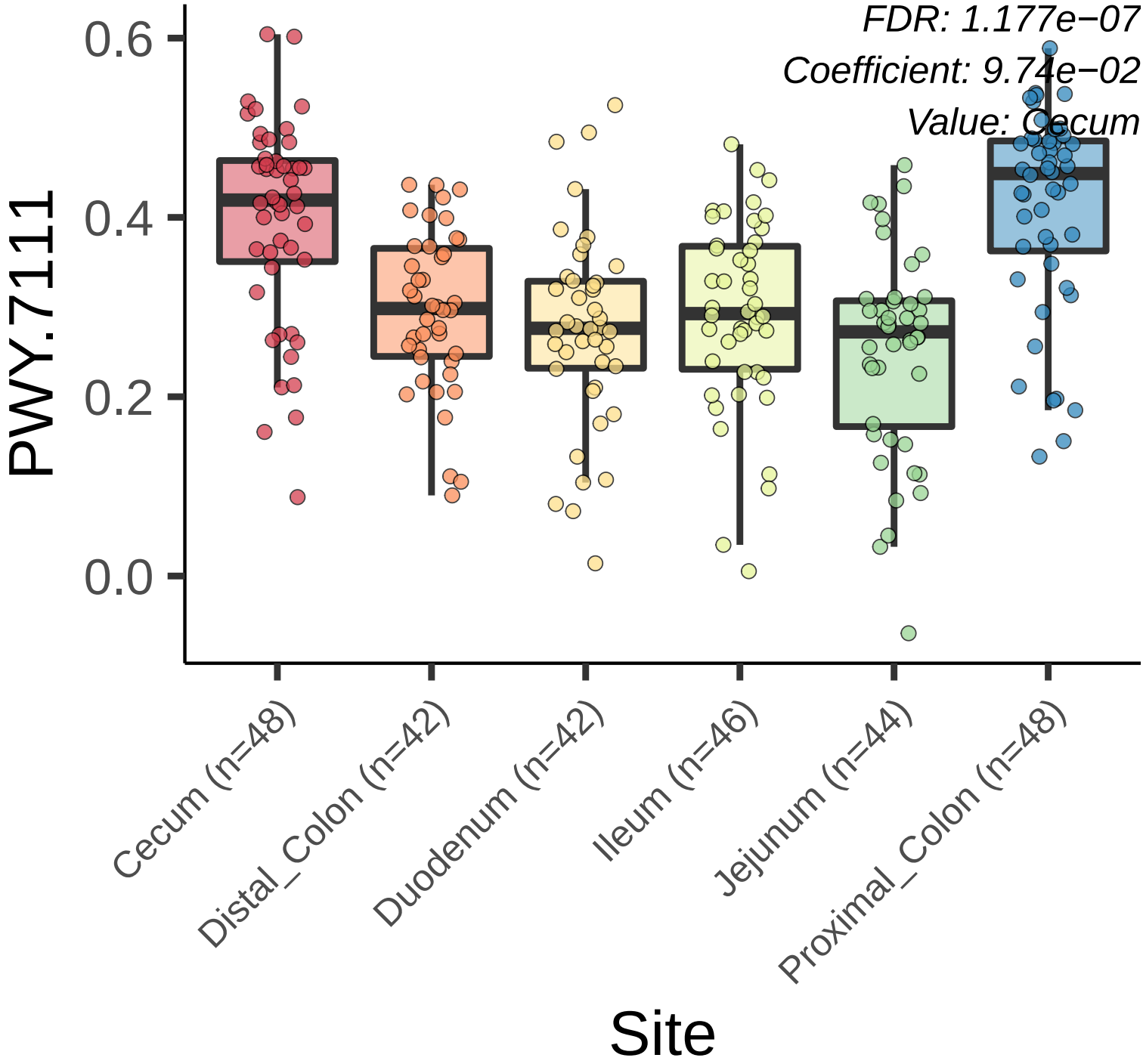

FDR: 1.023e−07
Coefficient: 2.19e−01
Value: Jejunum
PWY.5910
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

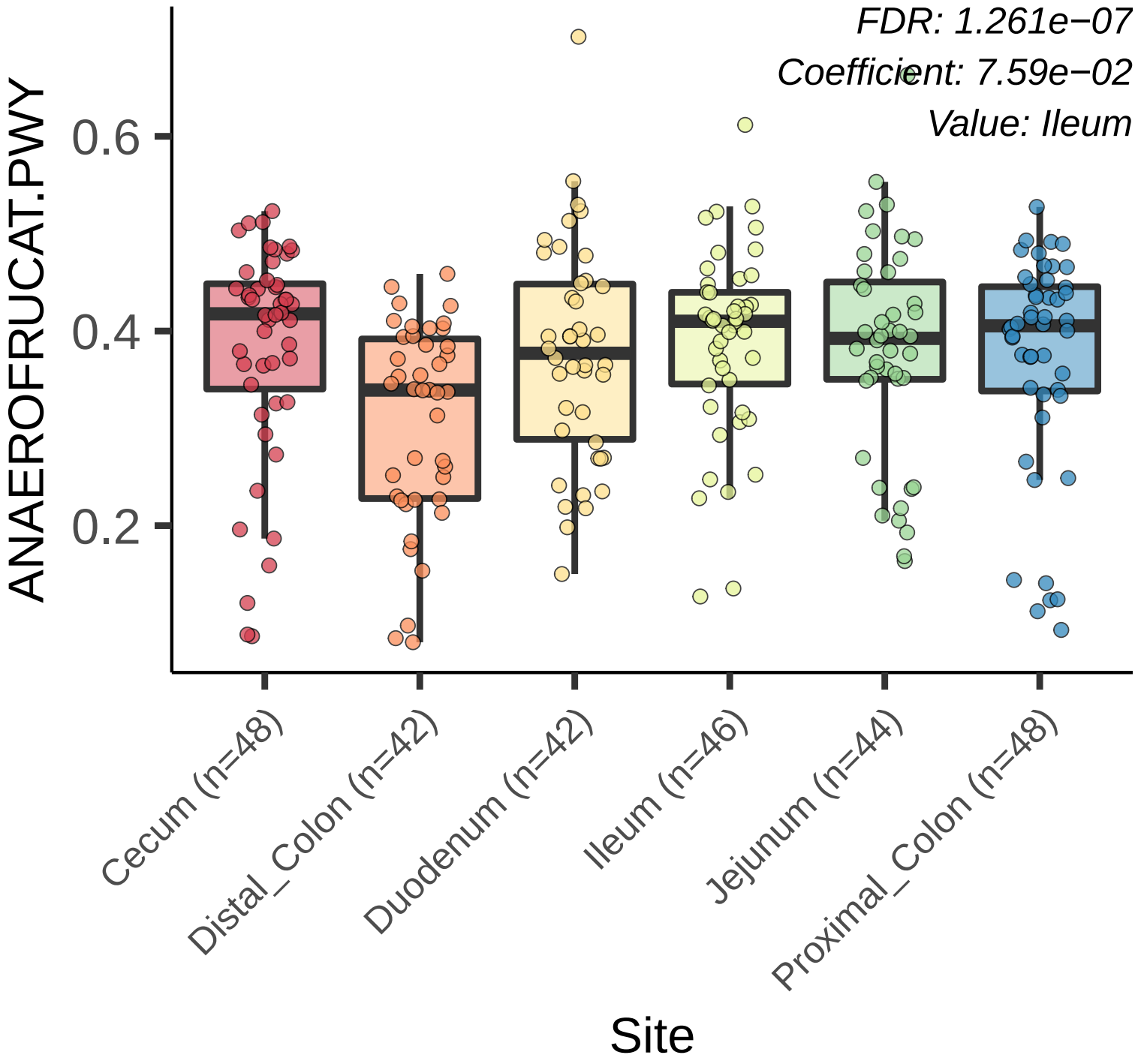

FDR: 1.088e−07
Coefficient: 9.19e−02
Value: Ileum
THRESYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

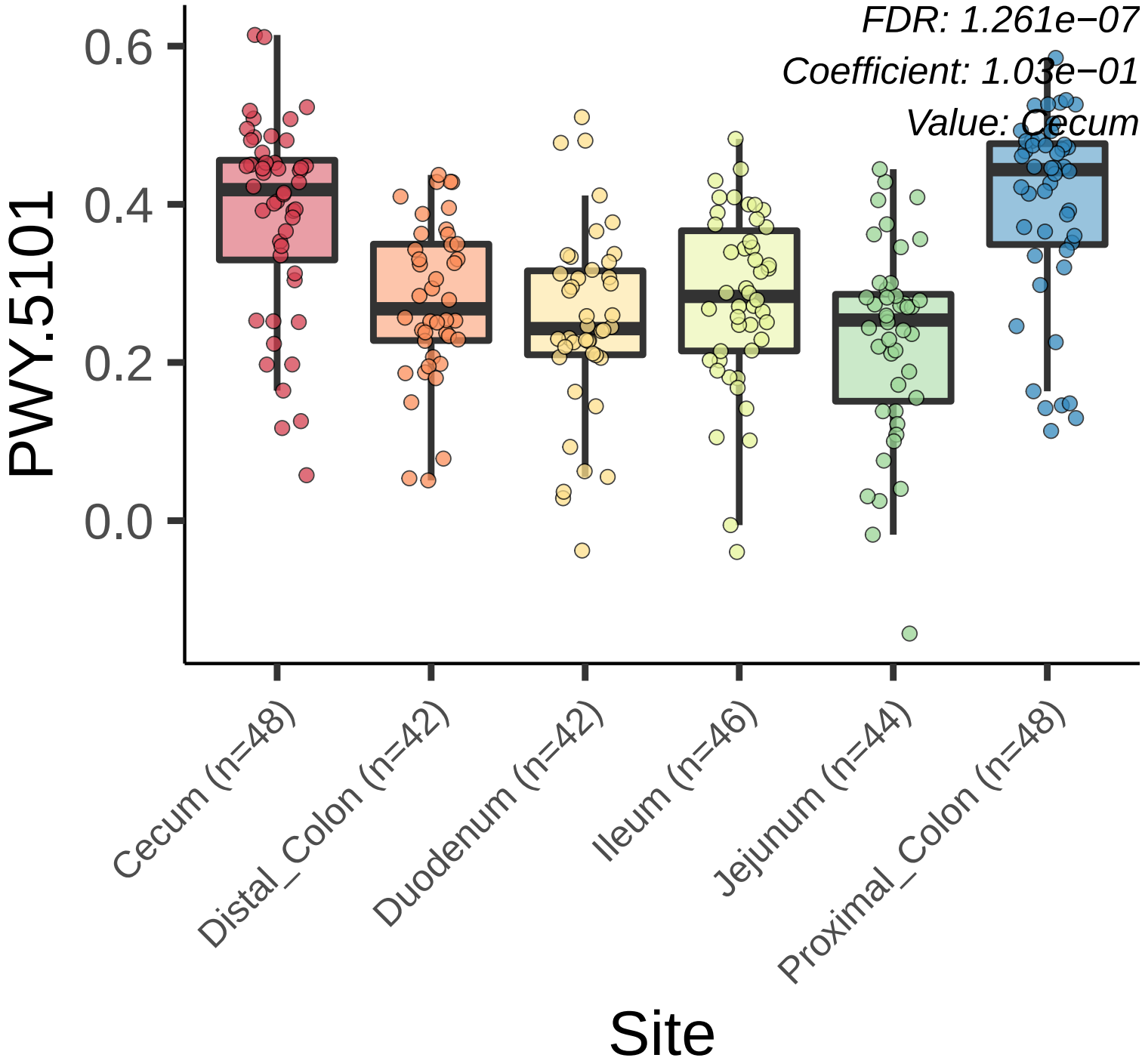

FDR: 1.139e−07
Coefficient: 1.03e−01
Value: Proximal_Colon
SER.GLYSYN.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

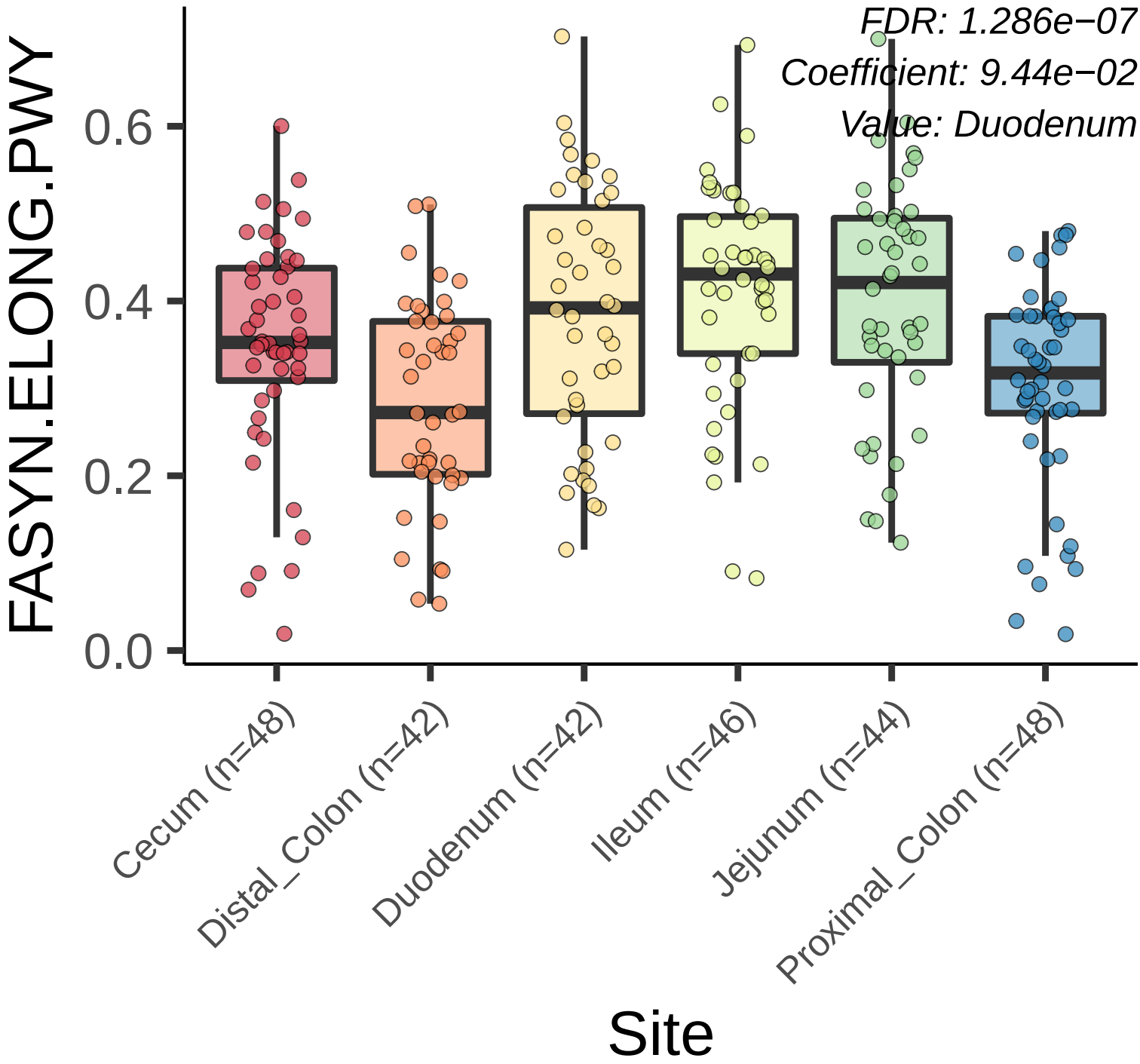

FDR: 1.152e−07
Coefficient: 1.11e−01
Value: Cecum
BRANCHED.CHAIN.AA.SYN.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

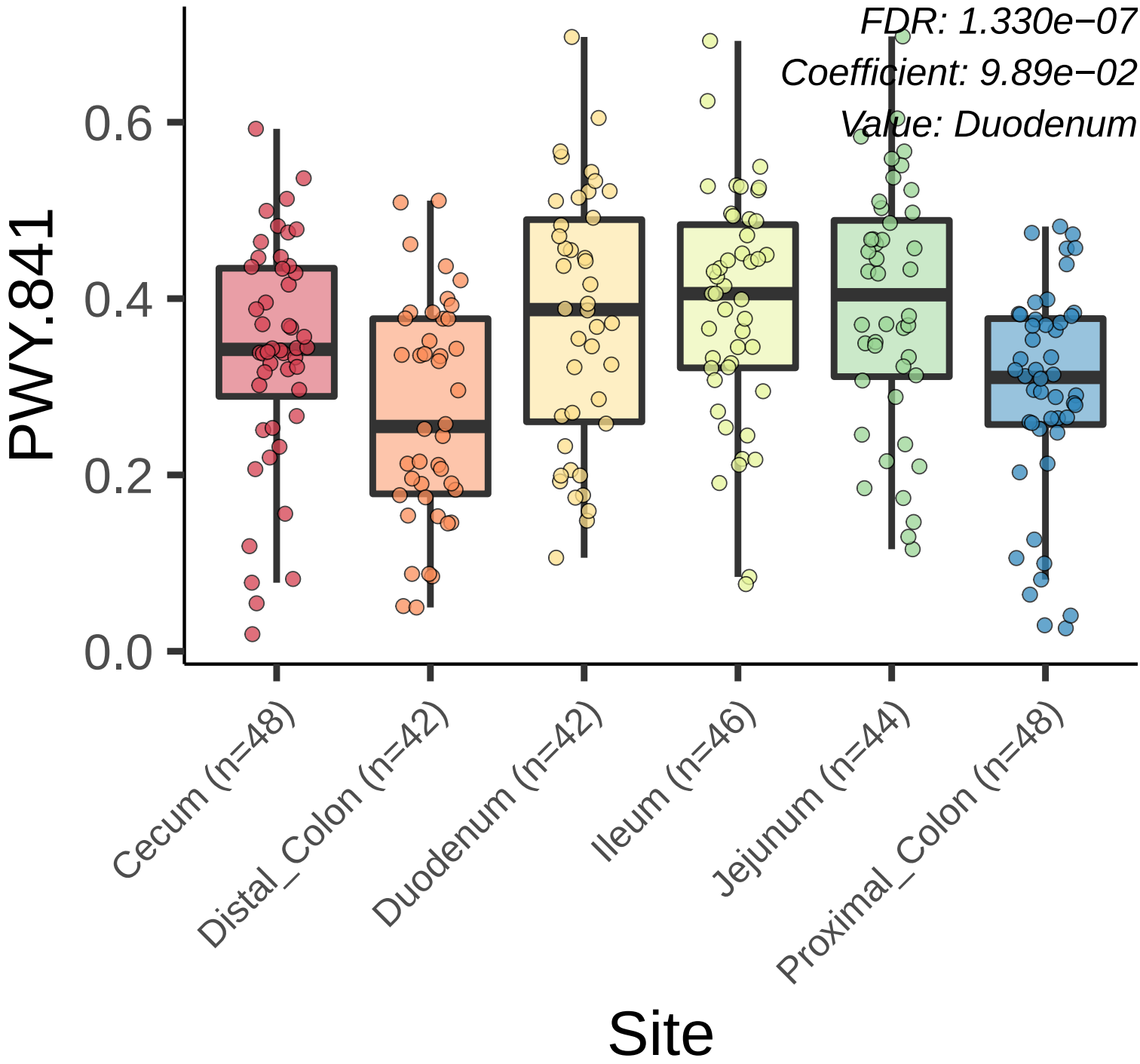

FDR: 1.152e−07
Coefficient: 8.49e−01
Value: Ileum
PWY.5265
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

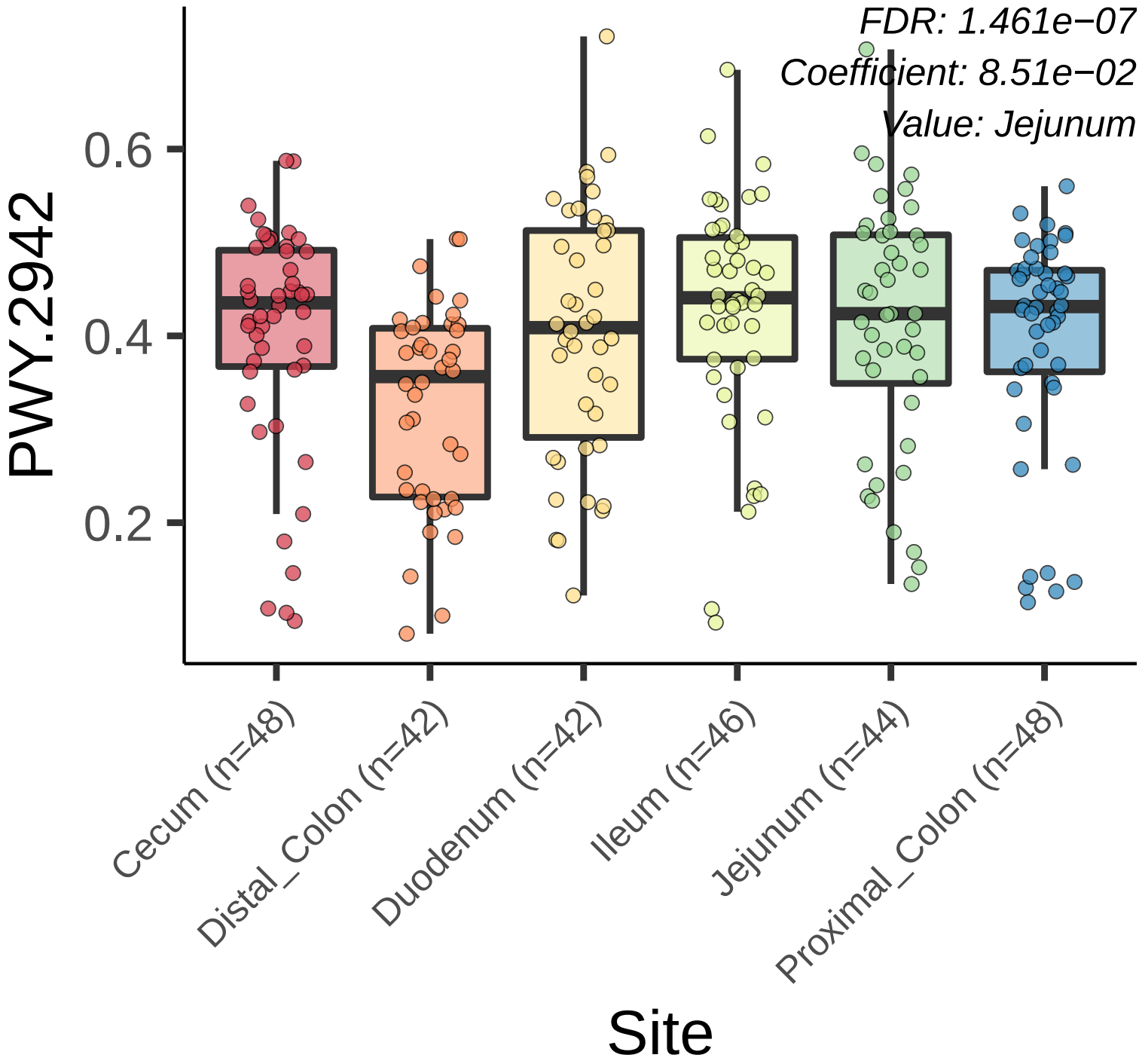

FDR: 1.177e−07
Coefficient: 9.74e−02
Value: Cecum
PWY.7111
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

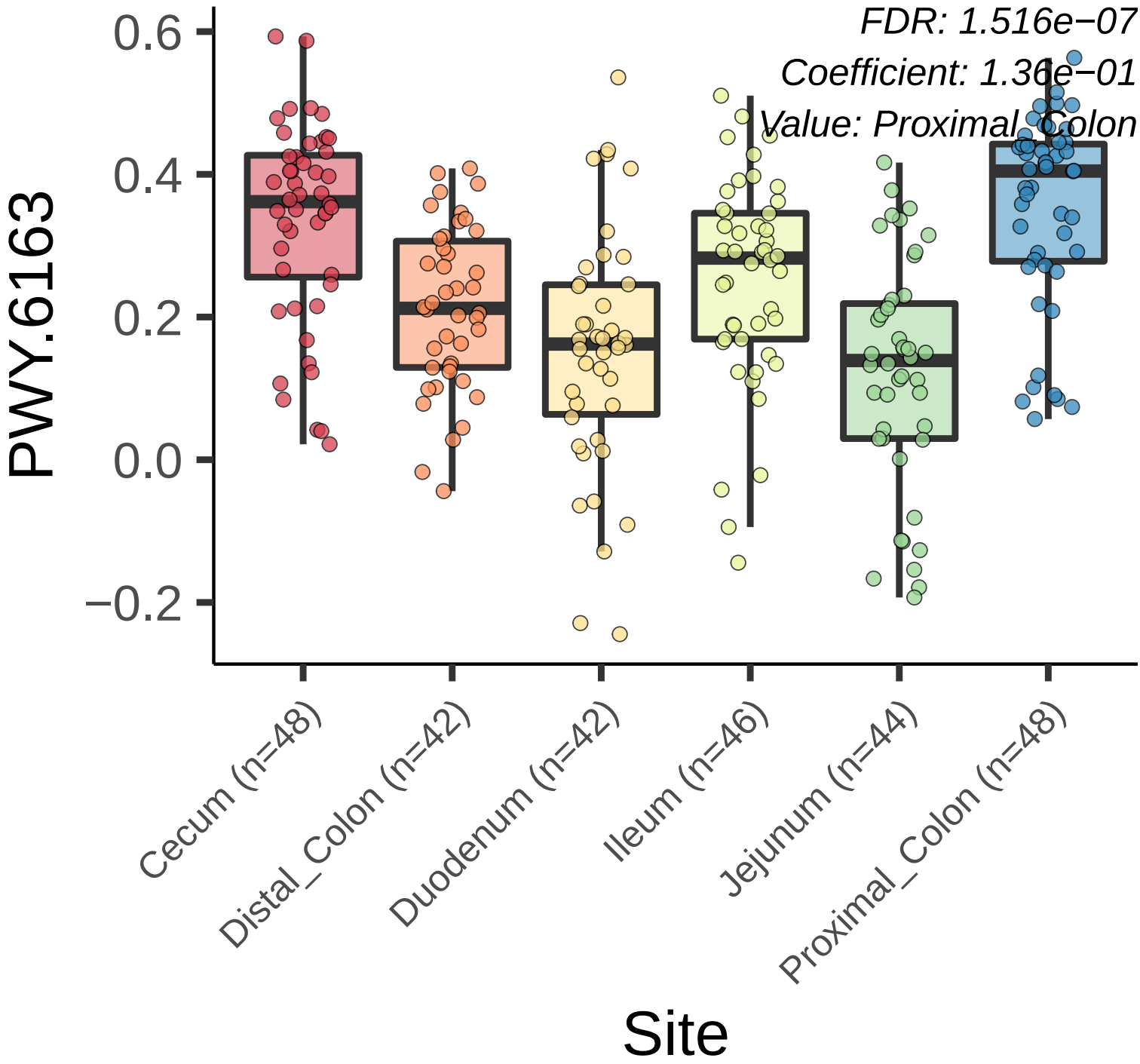

FDR: 1.261e−07
Coefficient: 7.59e−02
Value: Ileum
ANAEROFRUCAT.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

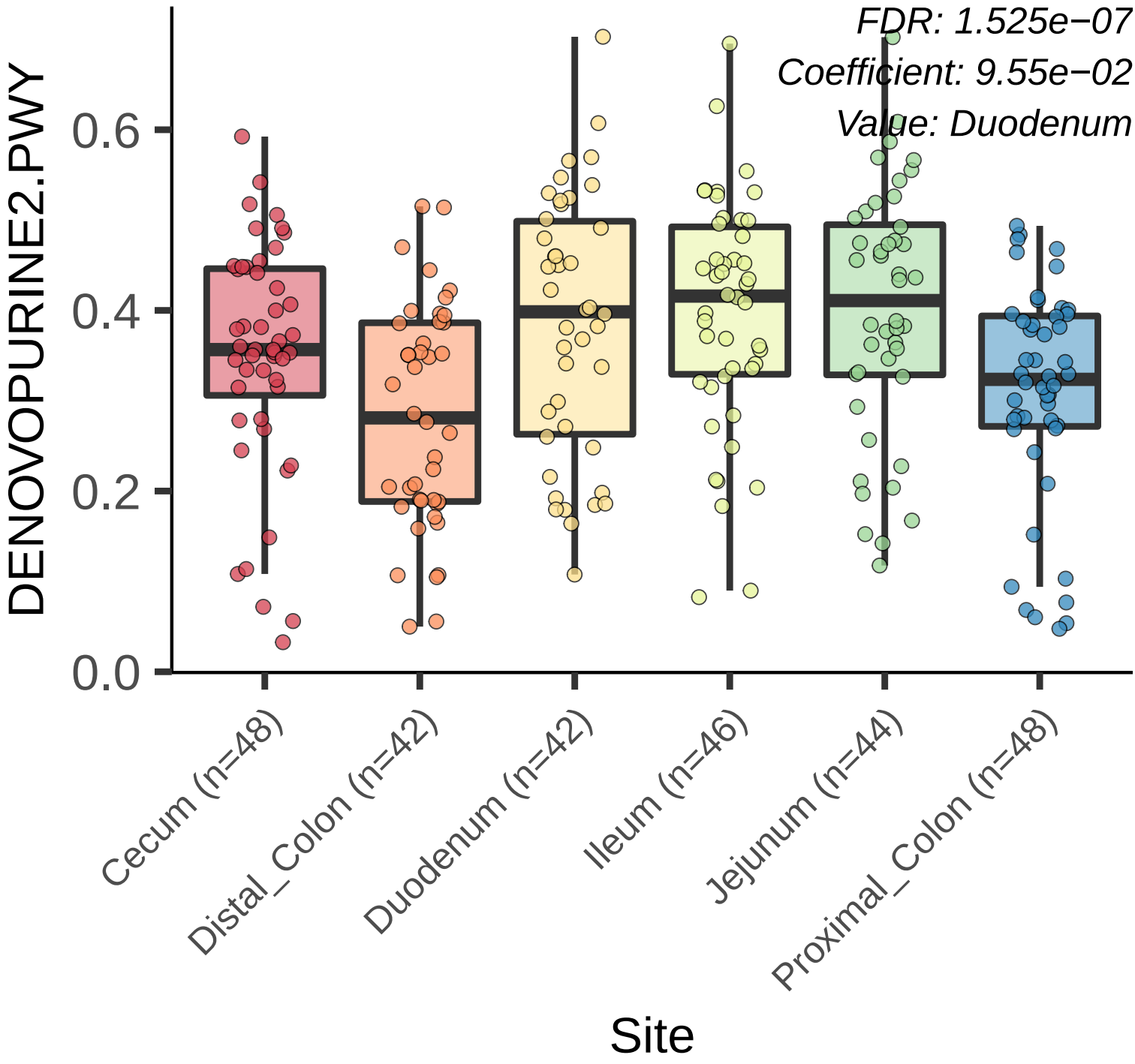

FDR: 1.261e−07
Coefficient: 1.03e−01
Value: Cecum
PWY.5101
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

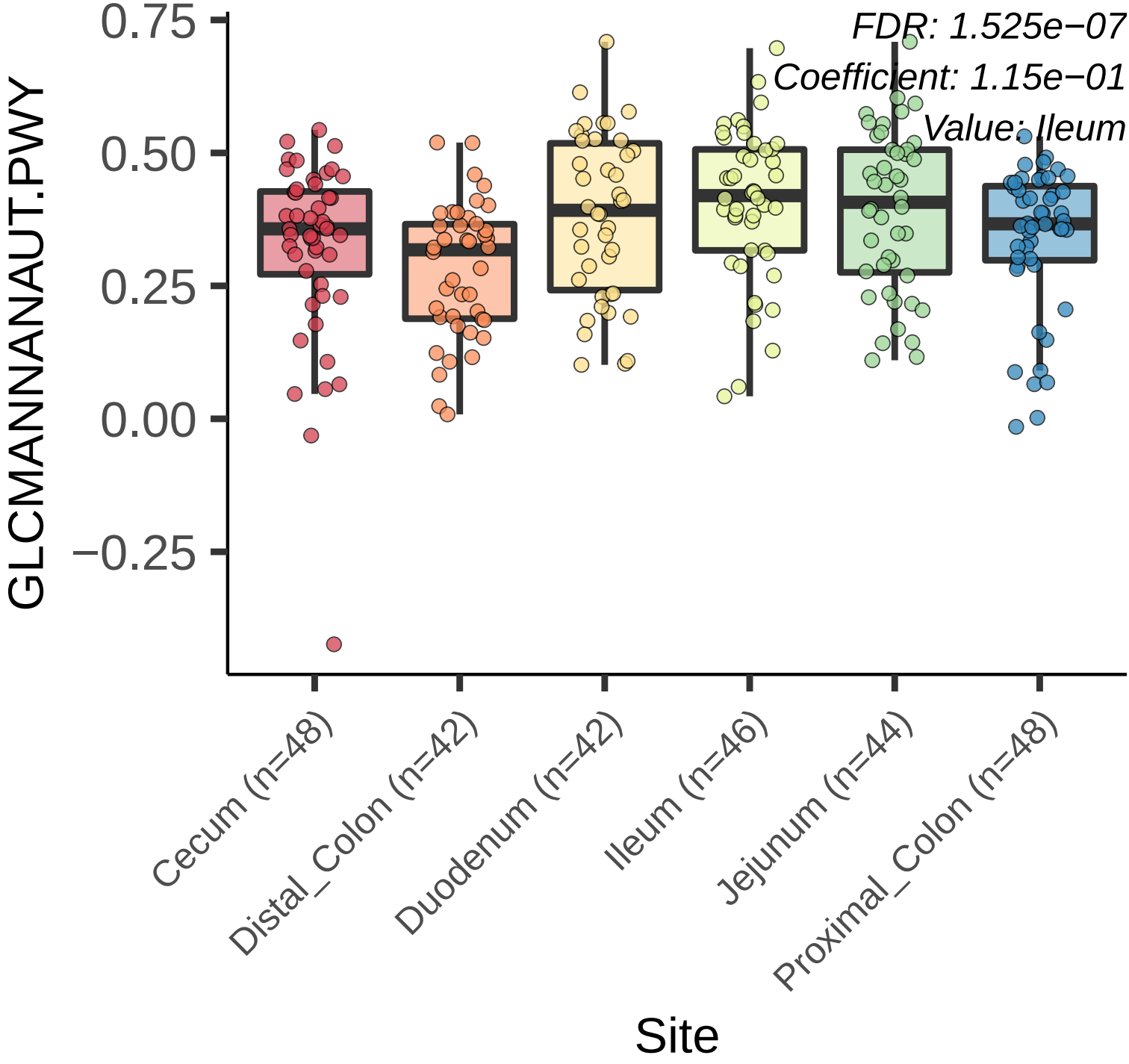

FDR: 1.286e−07
Coefficient: 9.44e−02
Value: Duodenum
FASYN.ELONG.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

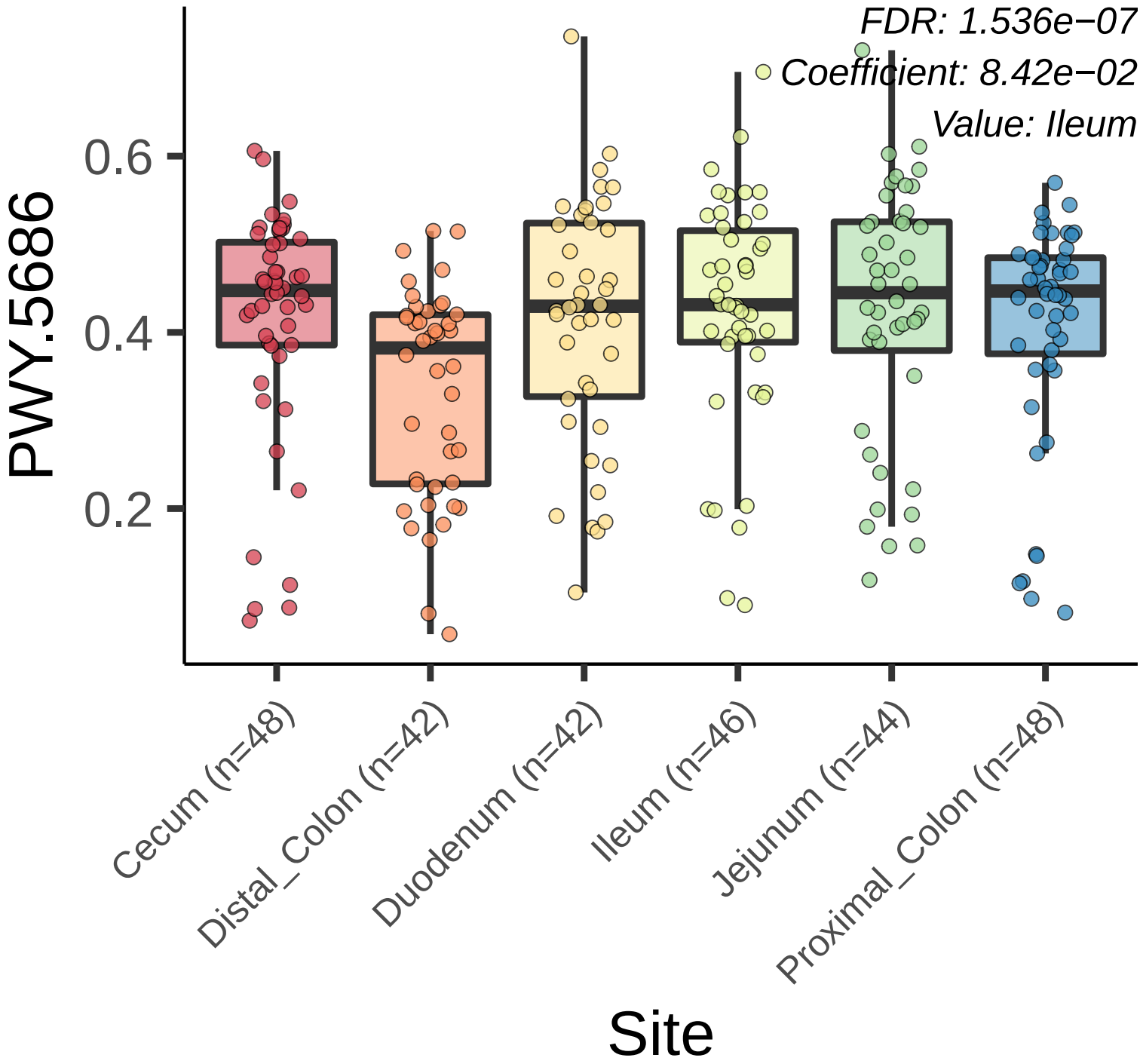

FDR: 1.330e−07
Coefficient: 9.89e−02
Value: Duodenum
PWY.841
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

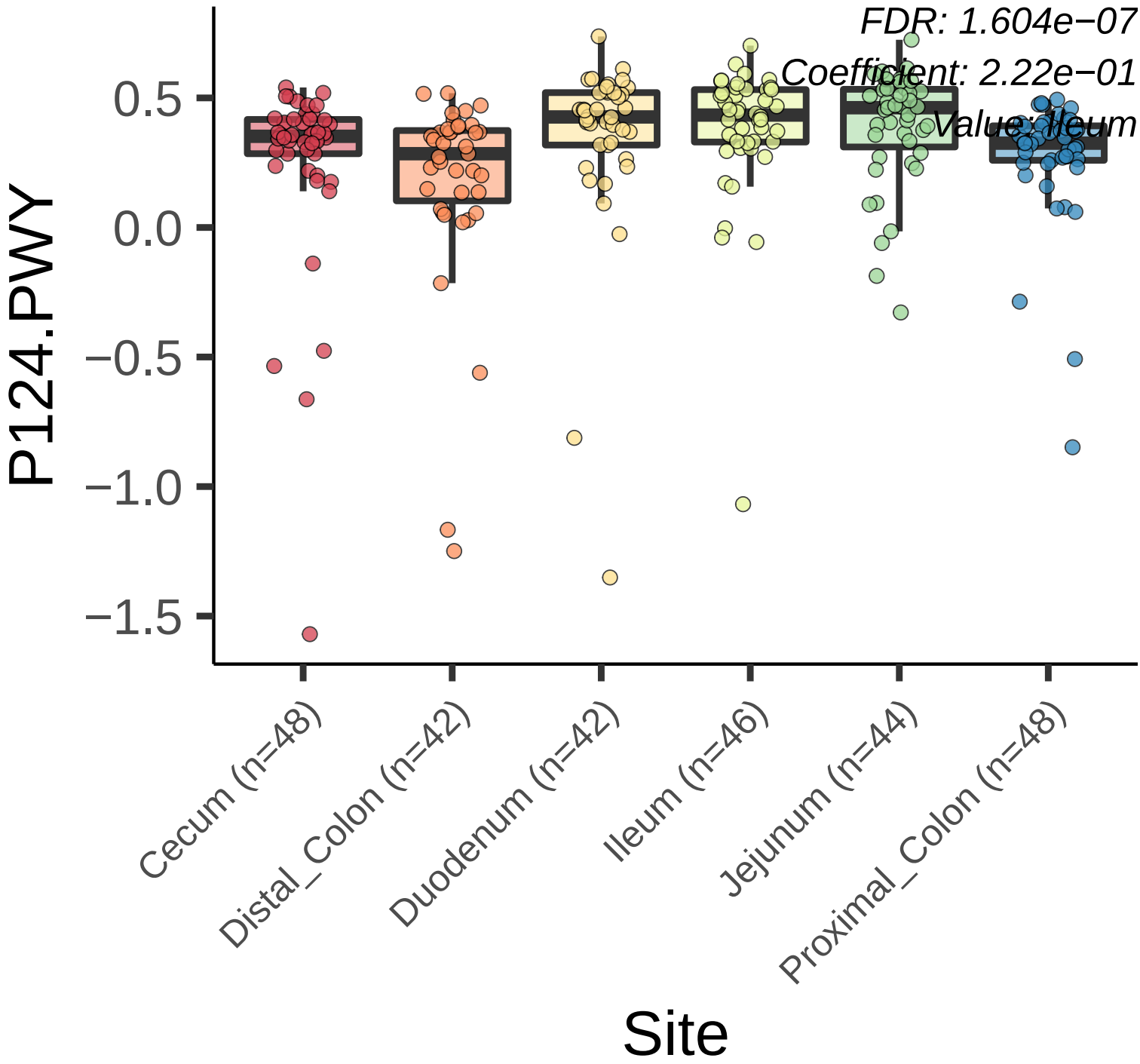

FDR: 1.461e−07
Coefficient: 8.51e−02
Value: Jejunum
PWY.2942
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

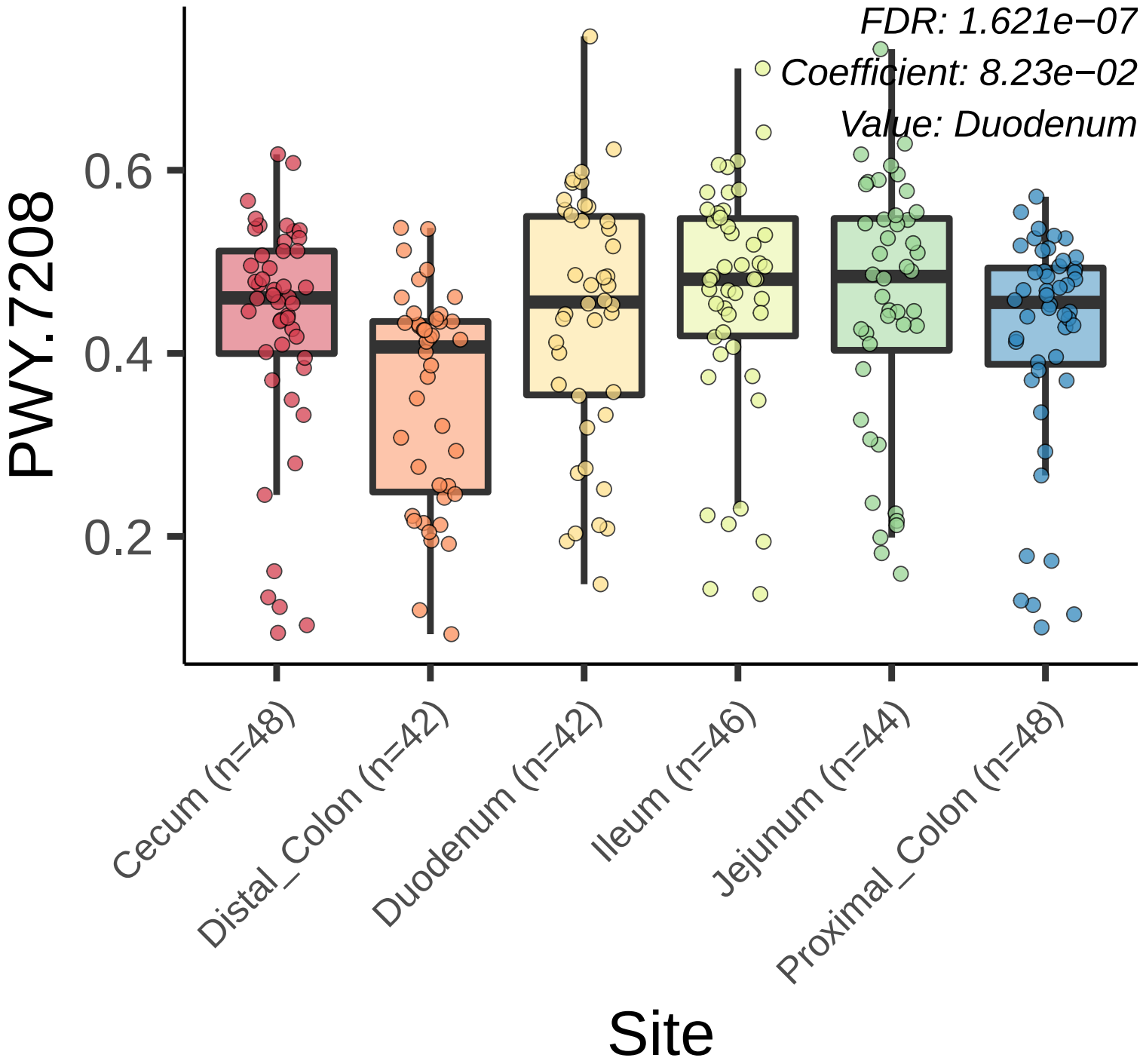

FDR: 1.516e−07
Coefficient: 1.36e−01
Value: Proximal_Colon
PWY.6163
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

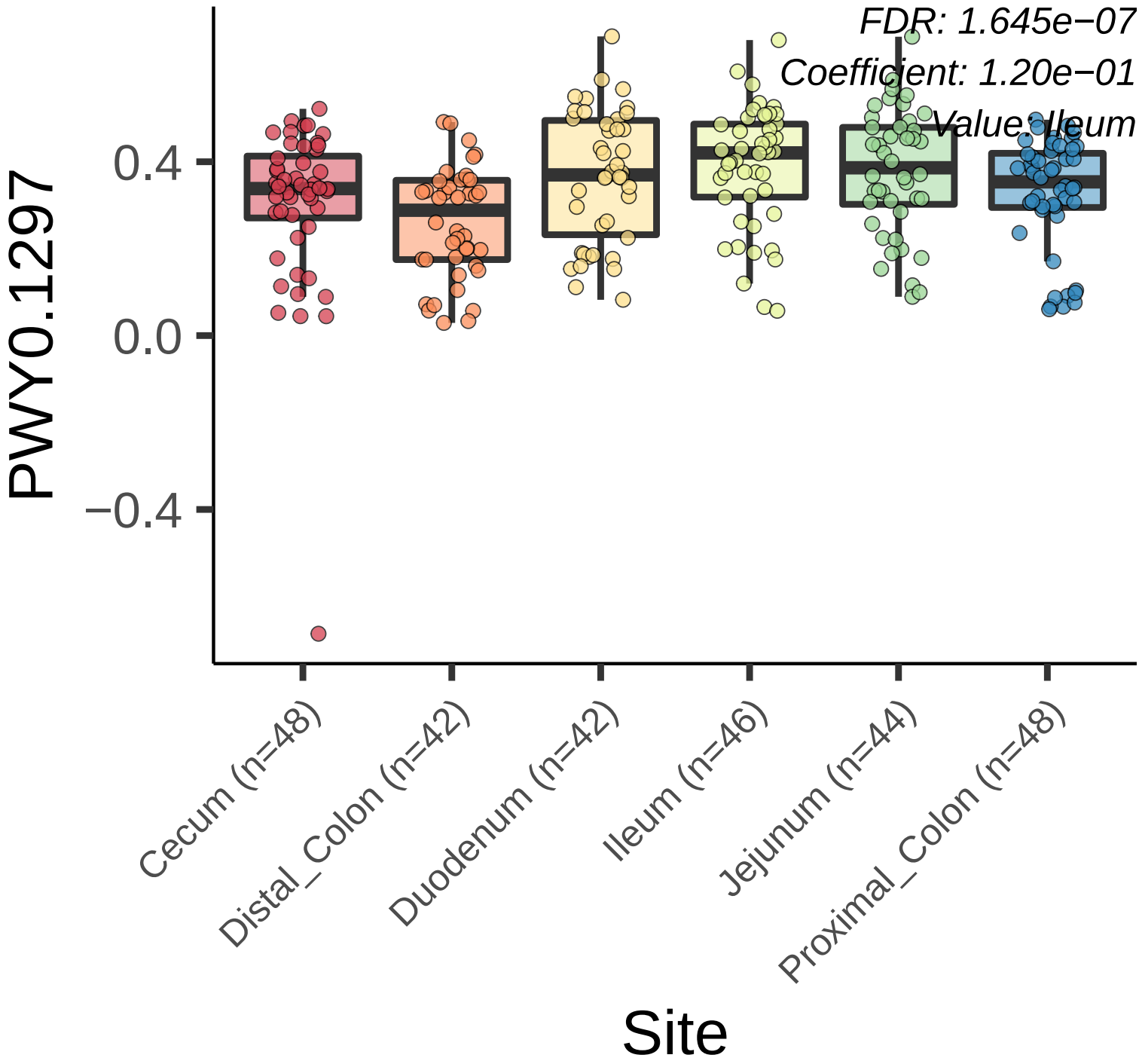

FDR: 1.525e−07
Coefficient: 9.55e−02
Value: Duodenum
DENOVOPURINE2.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

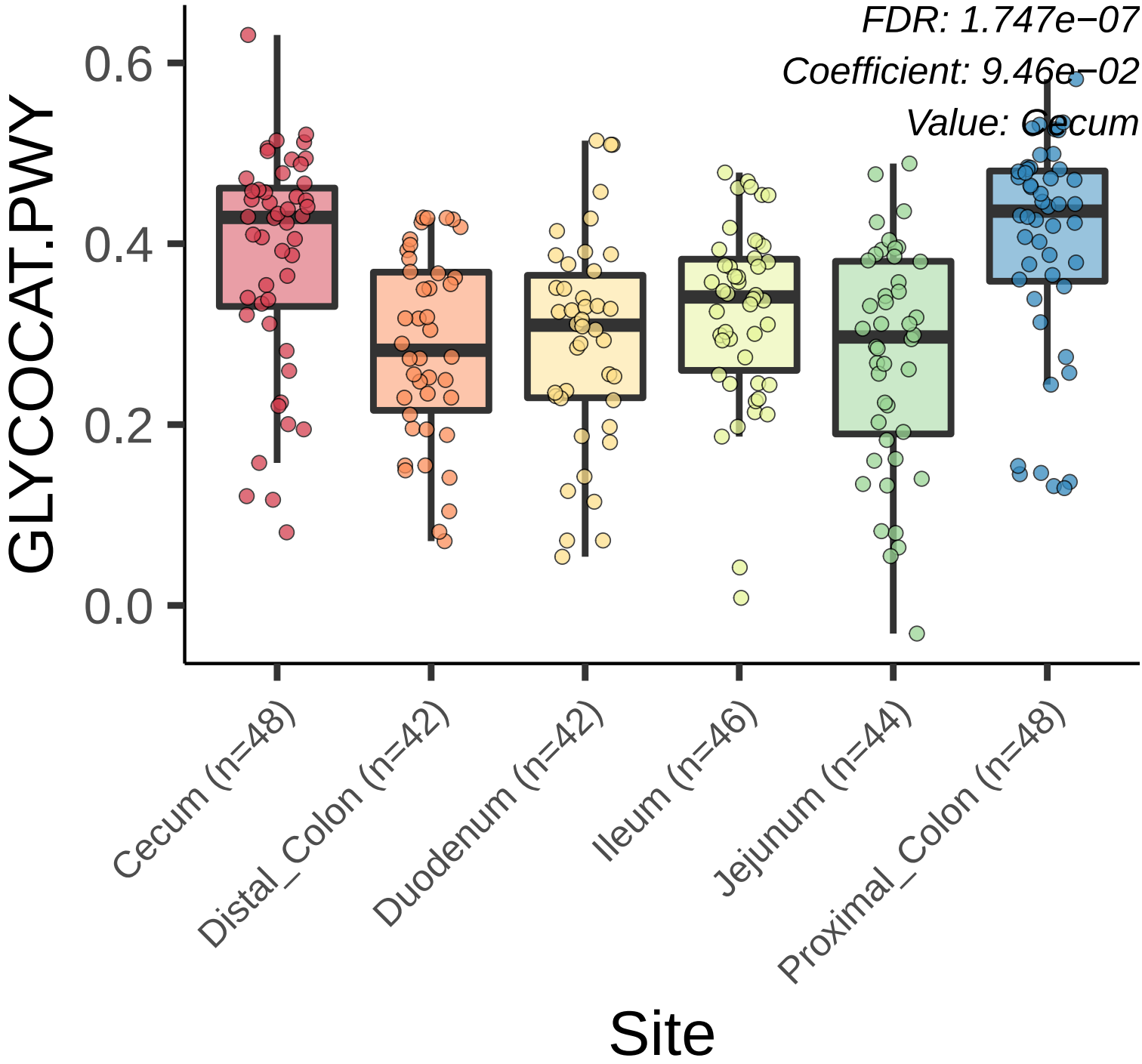

FDR: 1.525e−07
Coefficient: 1.15e−01
Value: Ileum
GLCMANNANAUT.PWY
0.75
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

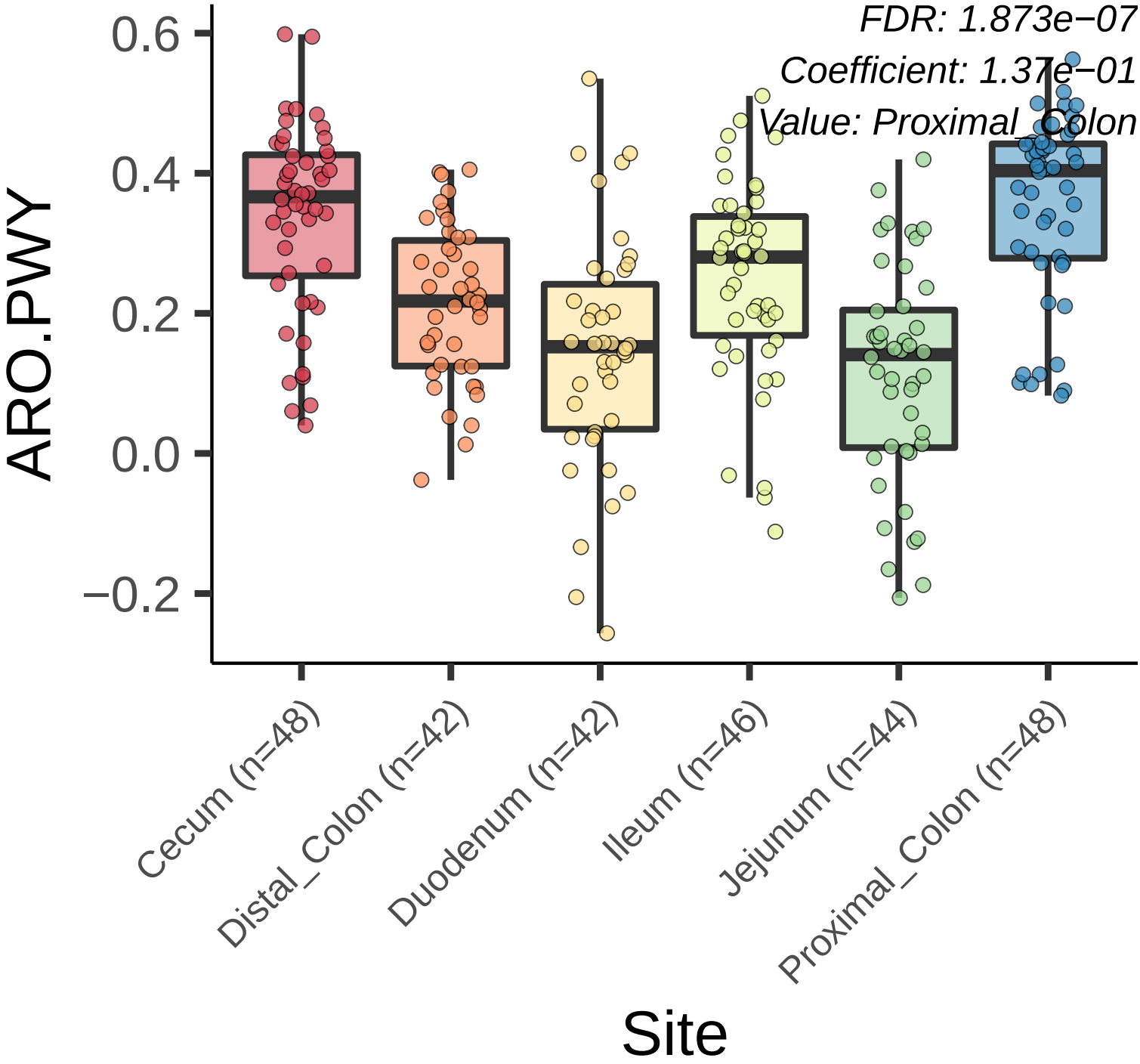

FDR: 1.536e−07
Coefficient: 8.42e−02
Value: Ileum
PWY.5686
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

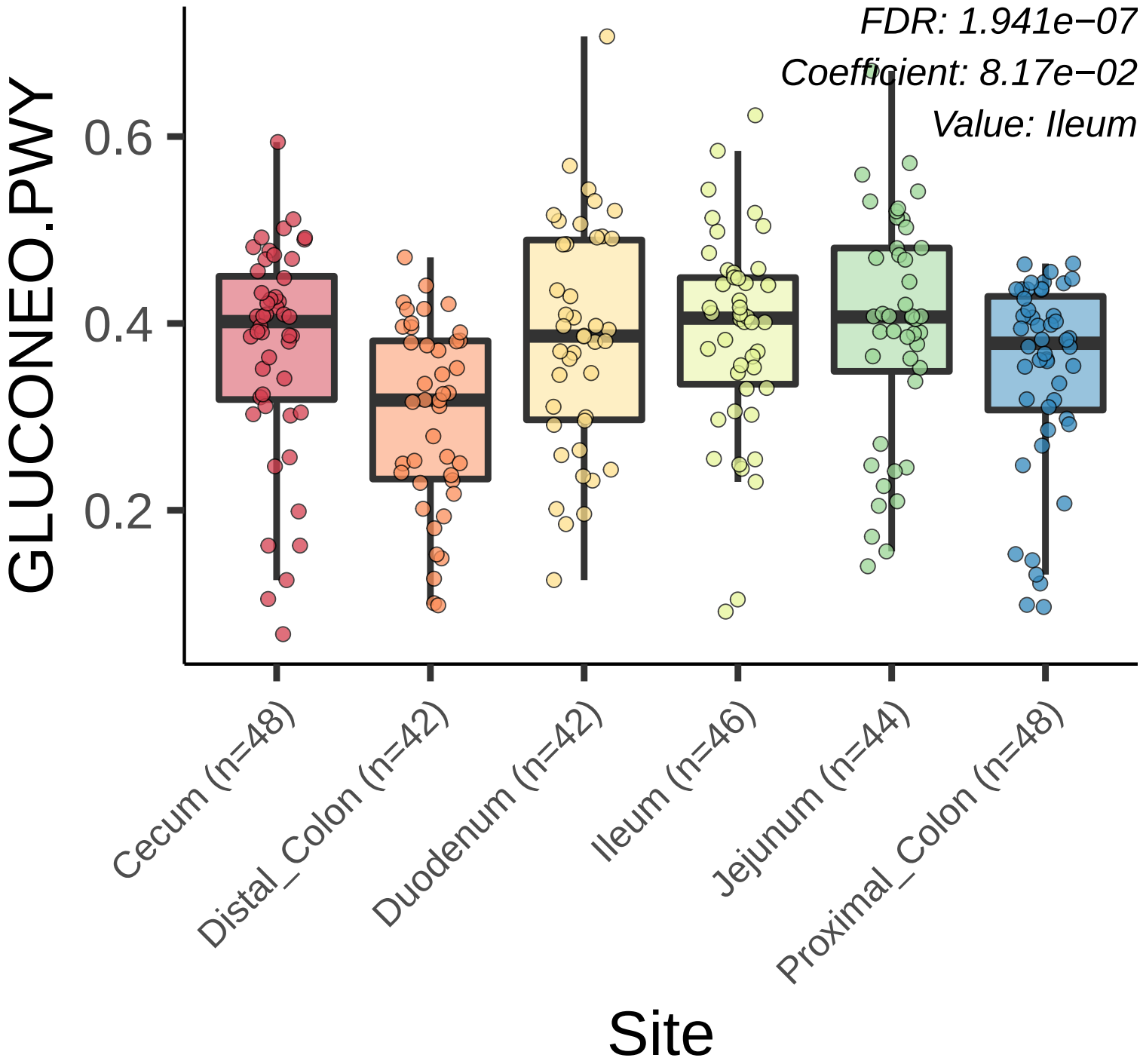

FDR: 1.604e−07
Coefficient: 2.22e−01
Value: Ileum
P124.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

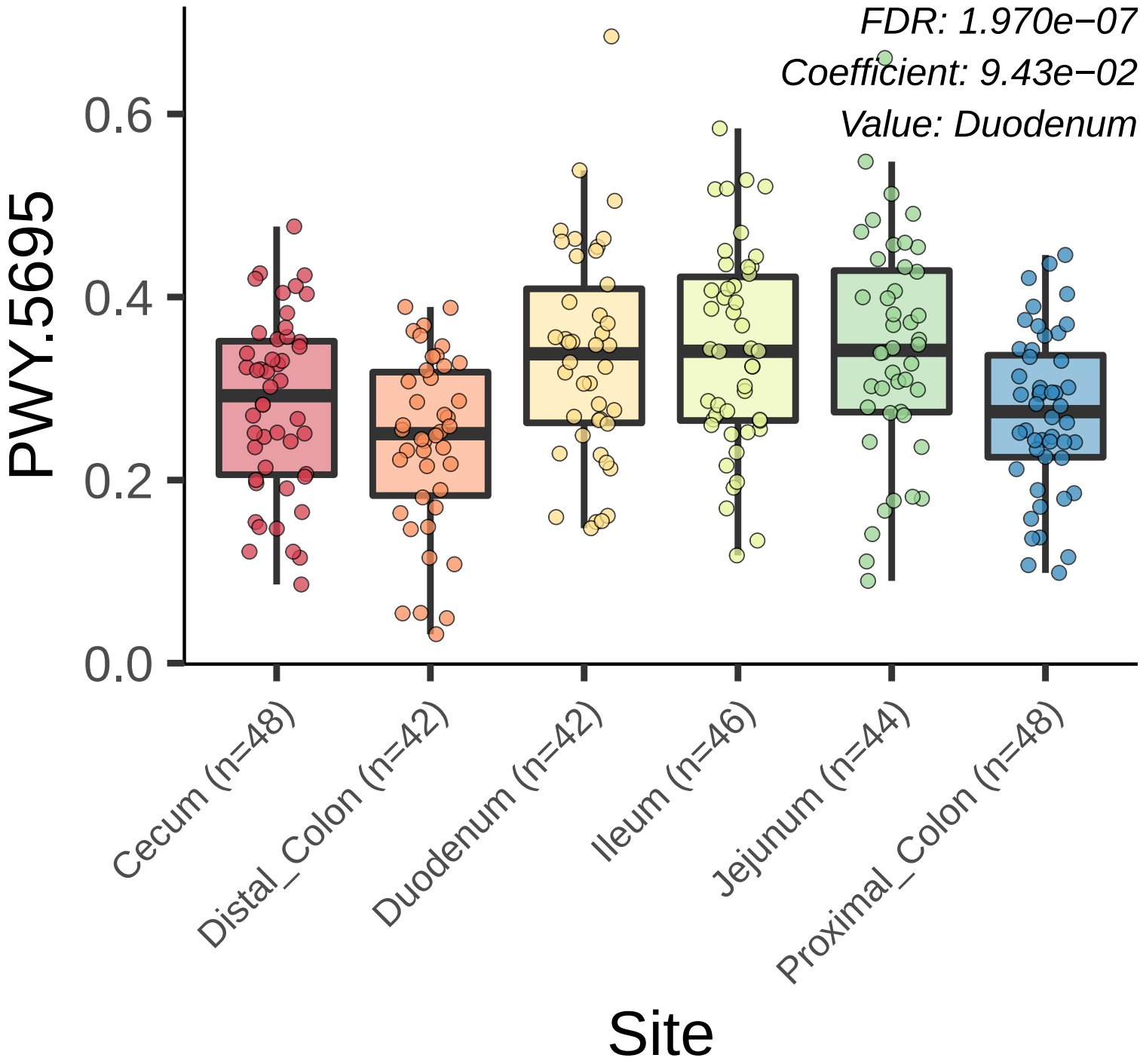

FDR: 1.621e−07
Coefficient: 8.23e−02
Value: Duodenum
PWY.7208
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

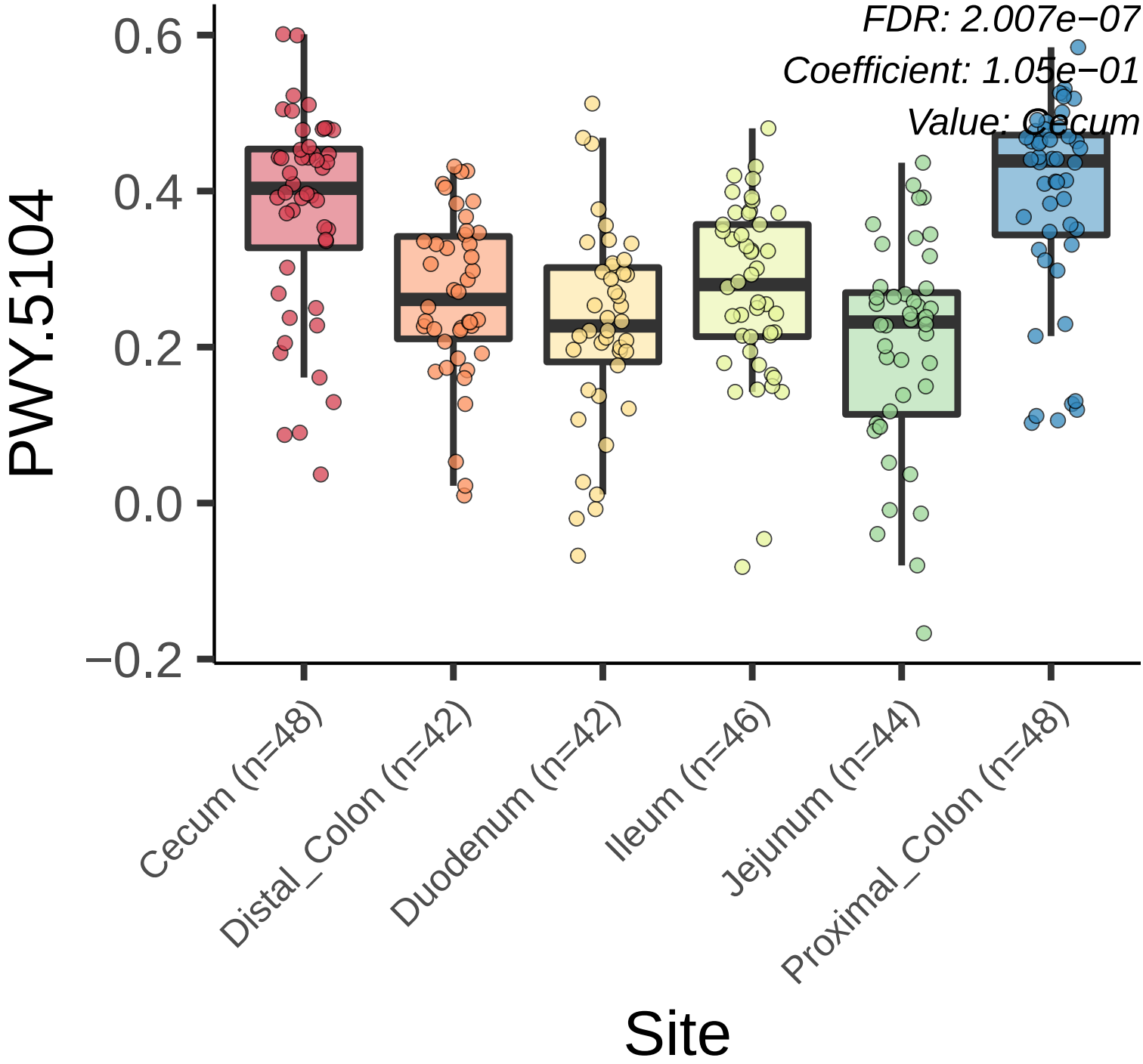

FDR: 1.645e−07
Coefficient: 1.20e−01
Value: Ileum
PWY0.1297
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

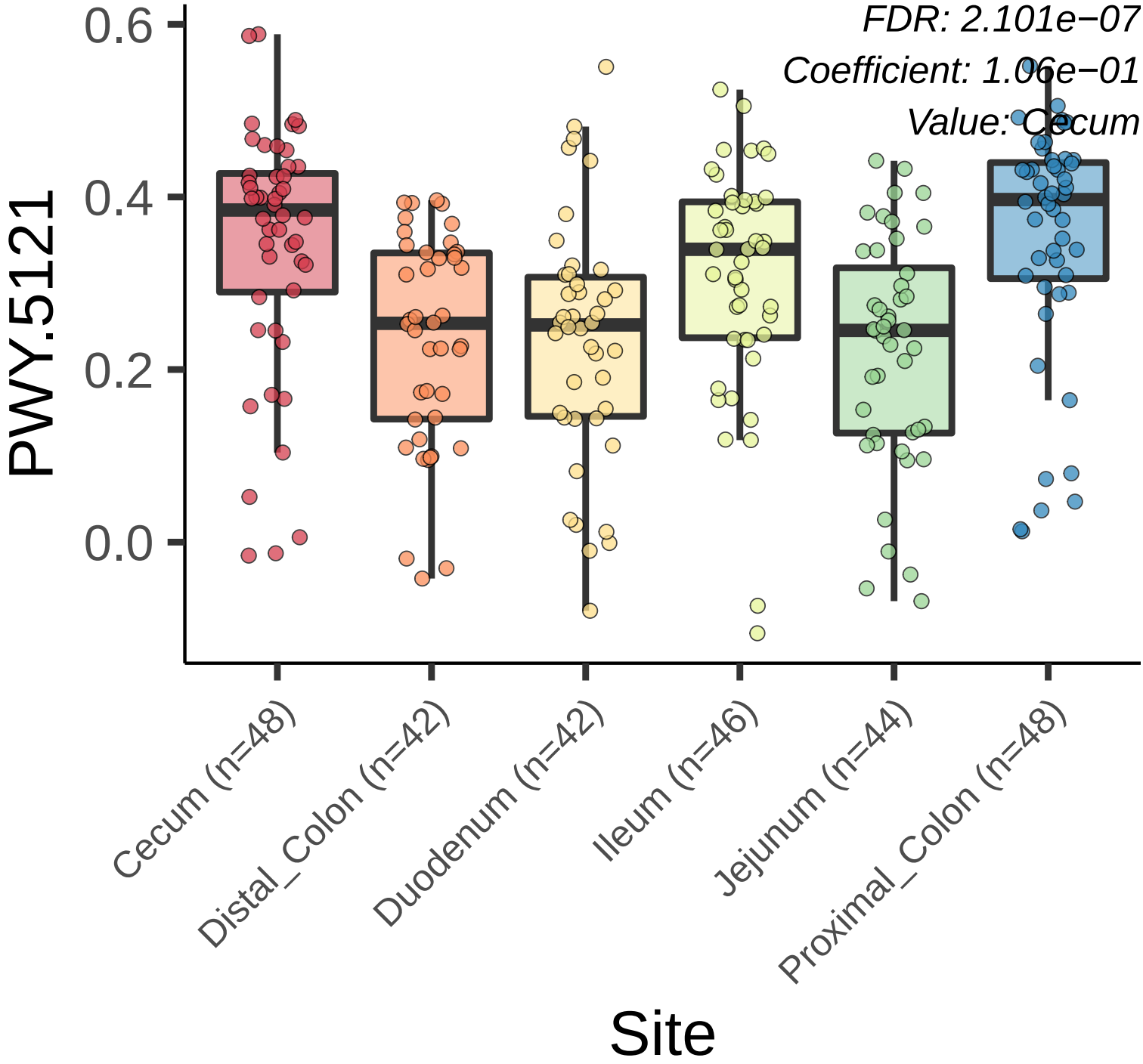

FDR: 1.747e−07
Coefficient: 9.46e−02
Value: Cecum
GLYCOCAT.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

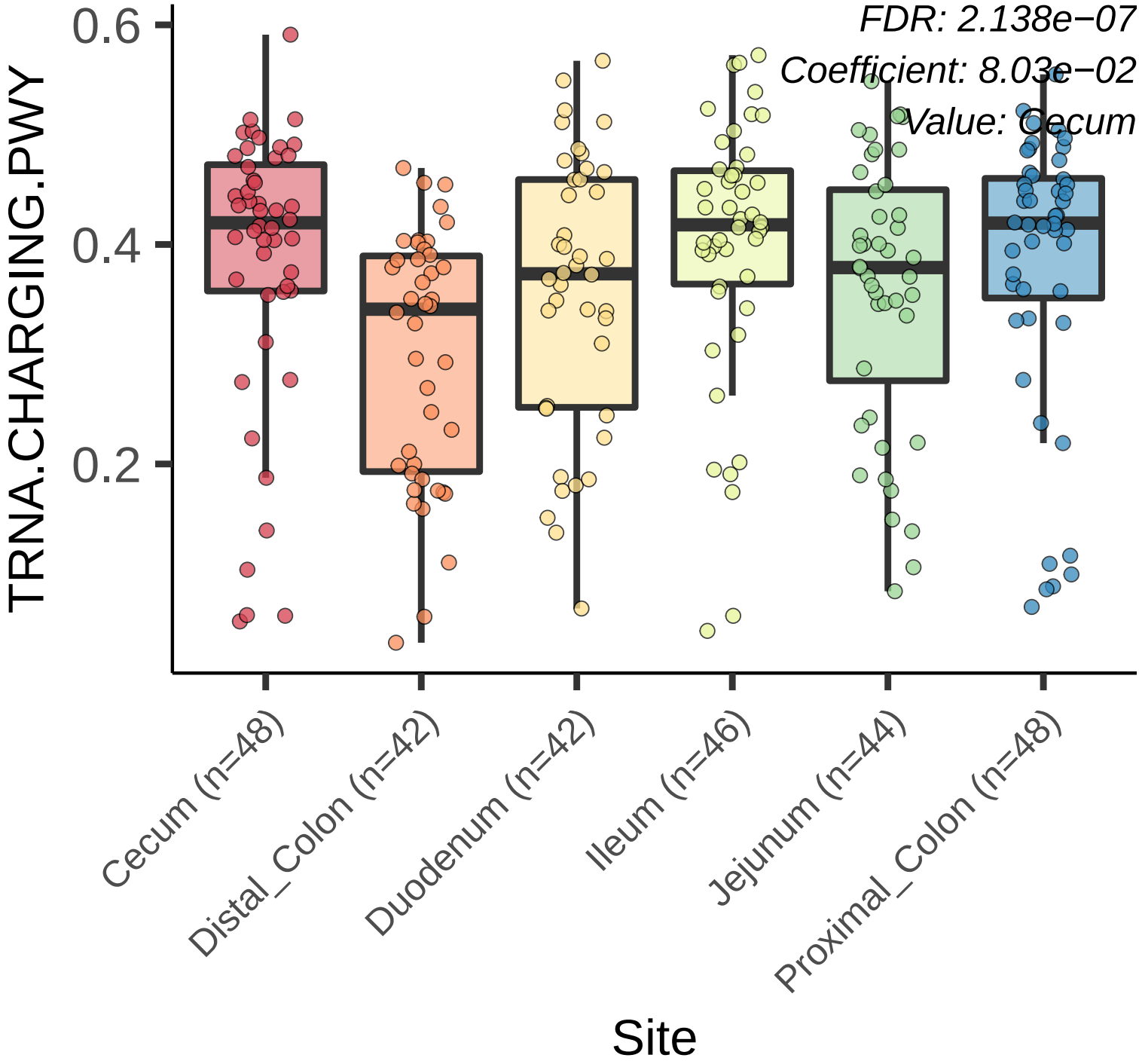

FDR: 1.873e−07
Coefficient: 1.37e−01
Value: Proximal_Colon
ARO.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

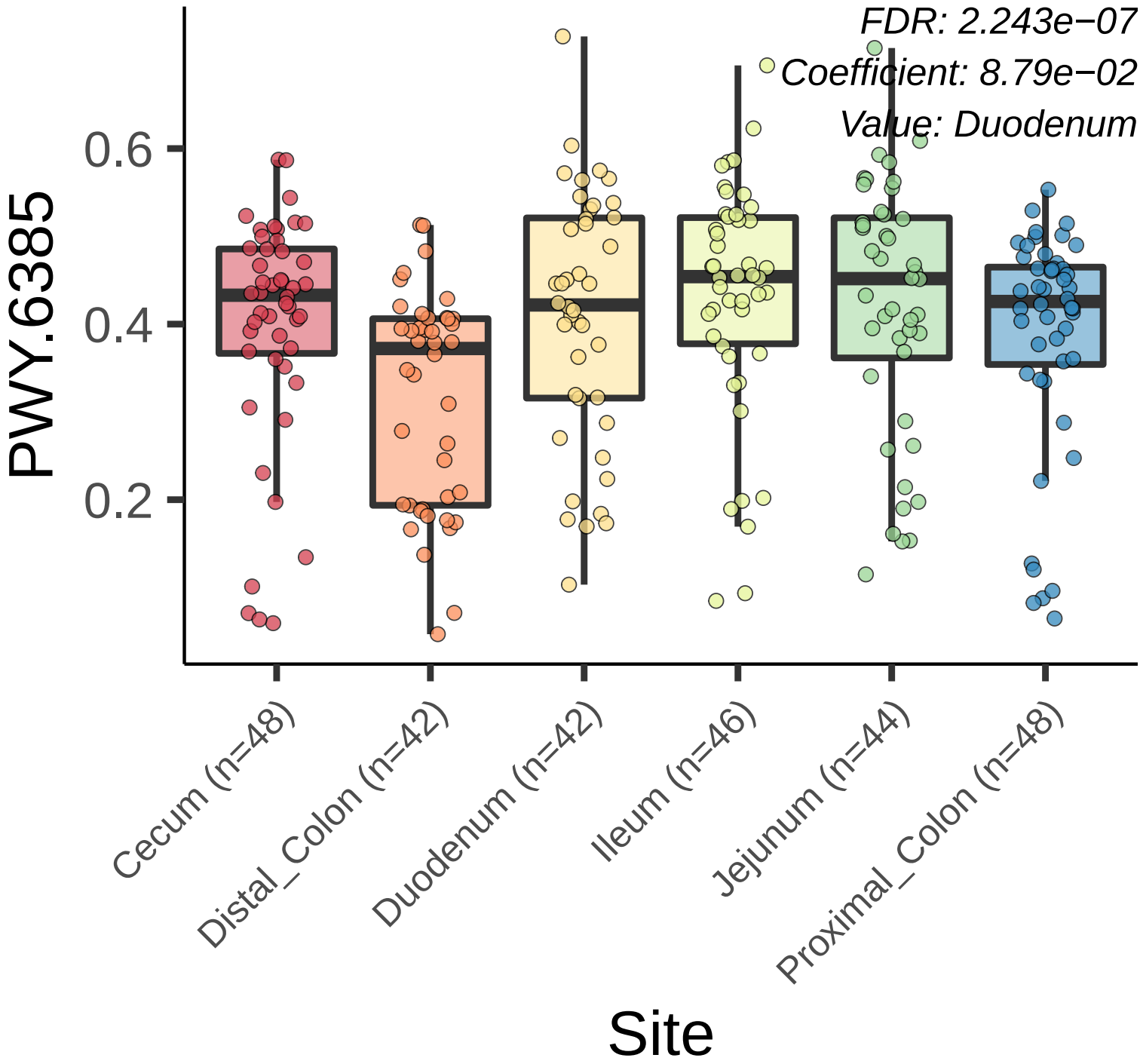

FDR: 1.941e−07
Coefficient: 8.17e−02
Value: Ileum
GLUCONEO.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

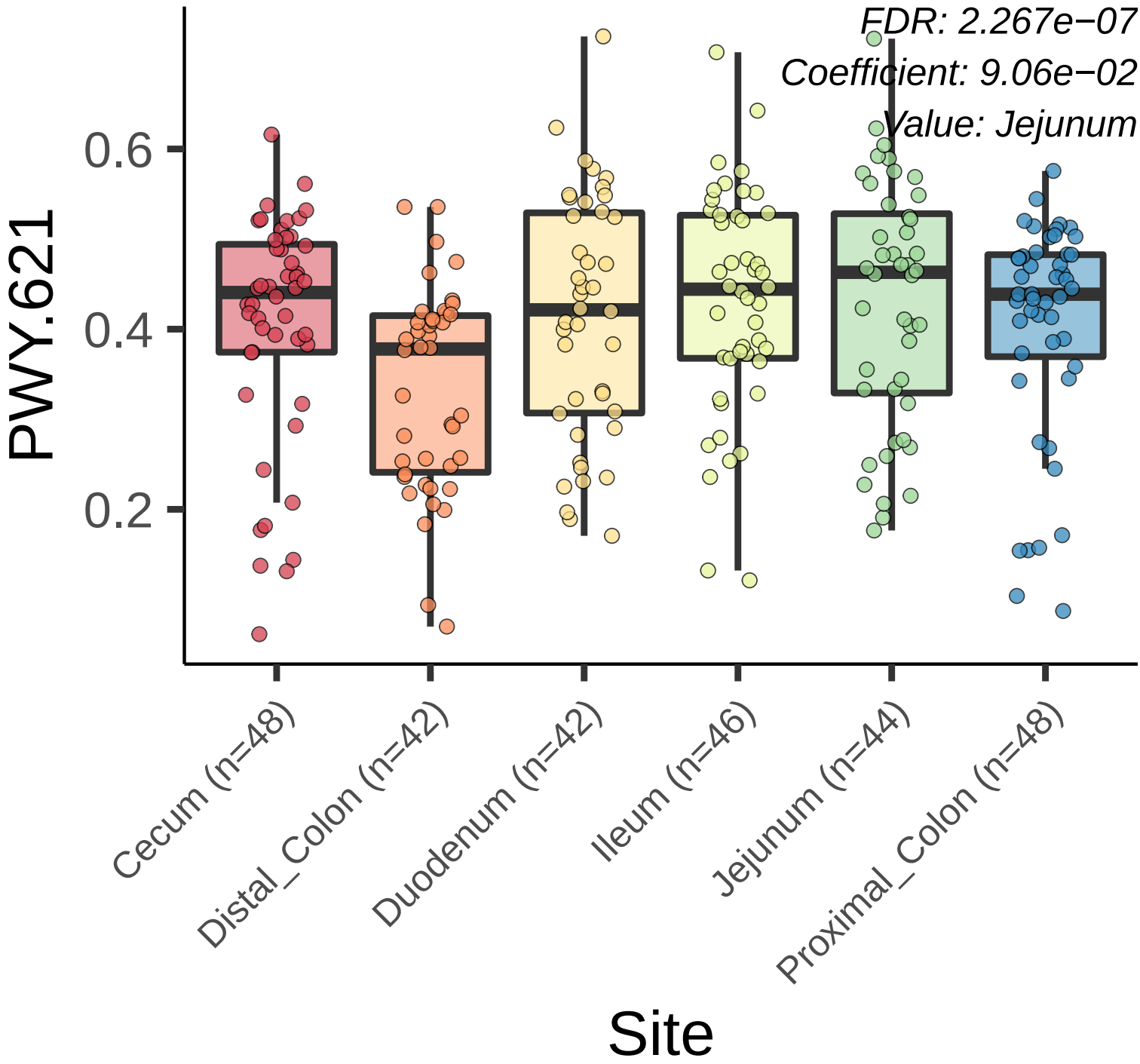

FDR: 1.970e−07
Coefficient: 9.43e−02
Value: Duodenum
PWY.5695
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

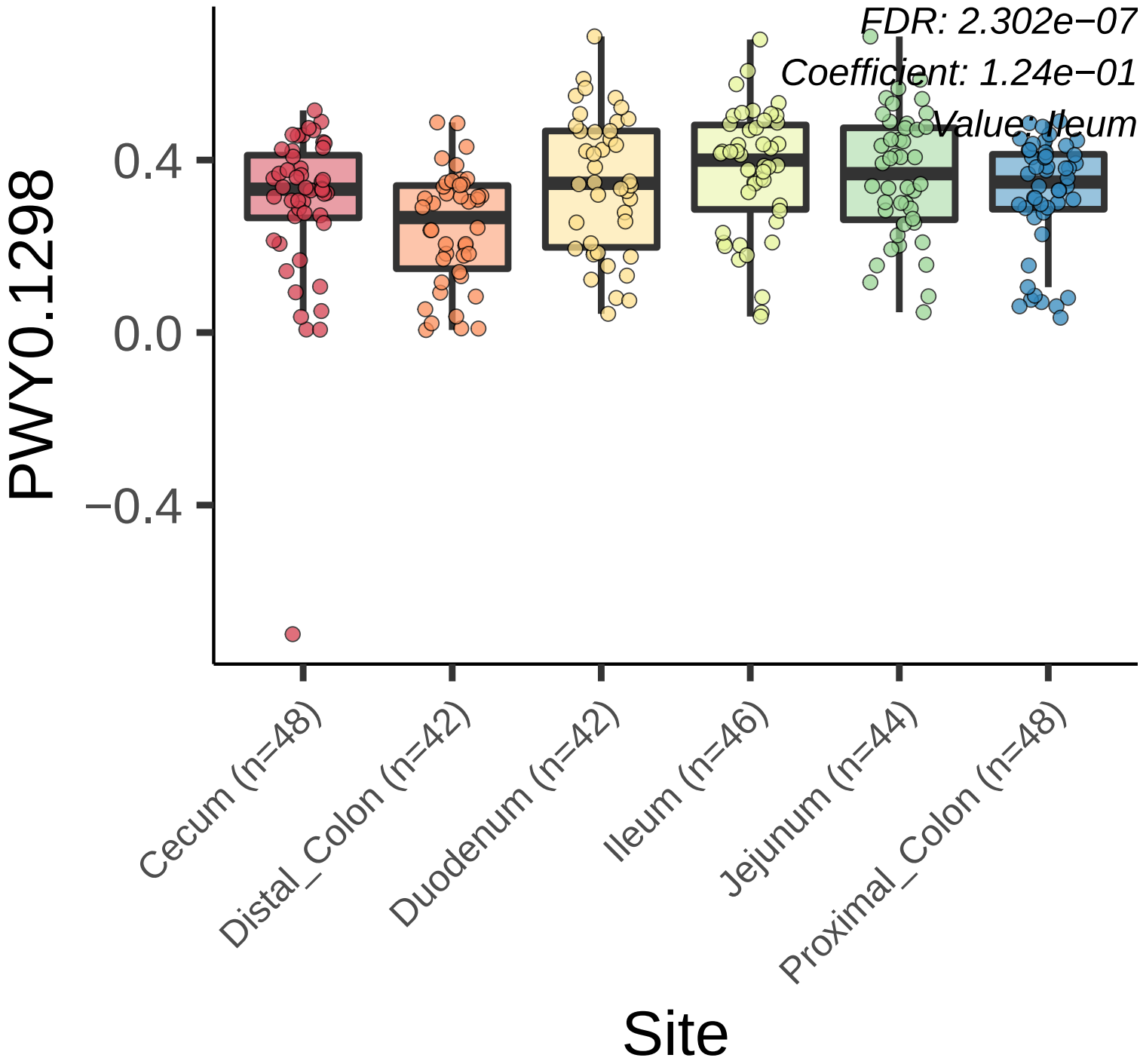

FDR: 2.007e−07
Coefficient: 1.05e−01
Value: Cecum
PWY.5104
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

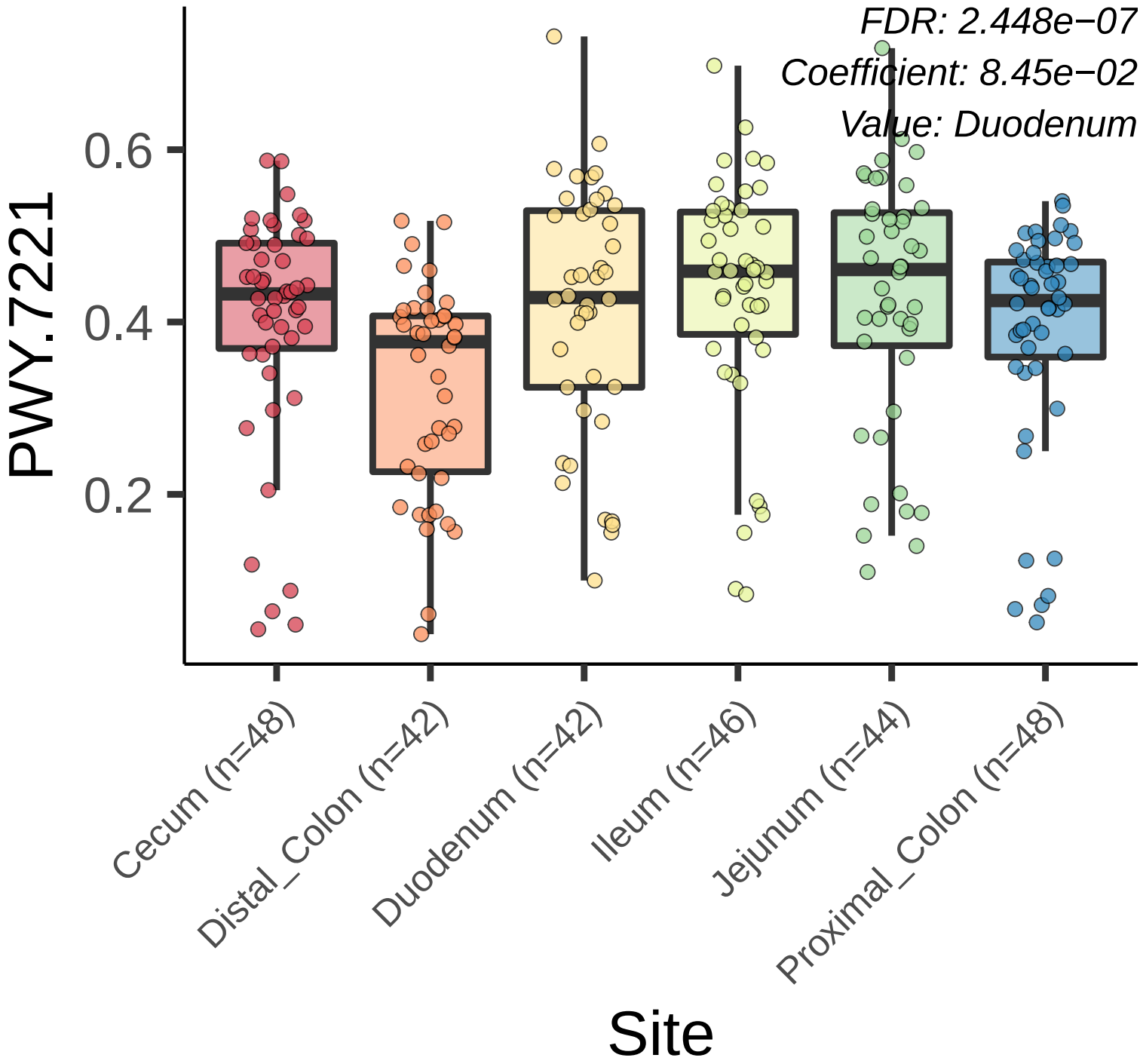

FDR: 2.101e−07
Coefficient: 1.06e−01
Value: Cecum
PWY.5121
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

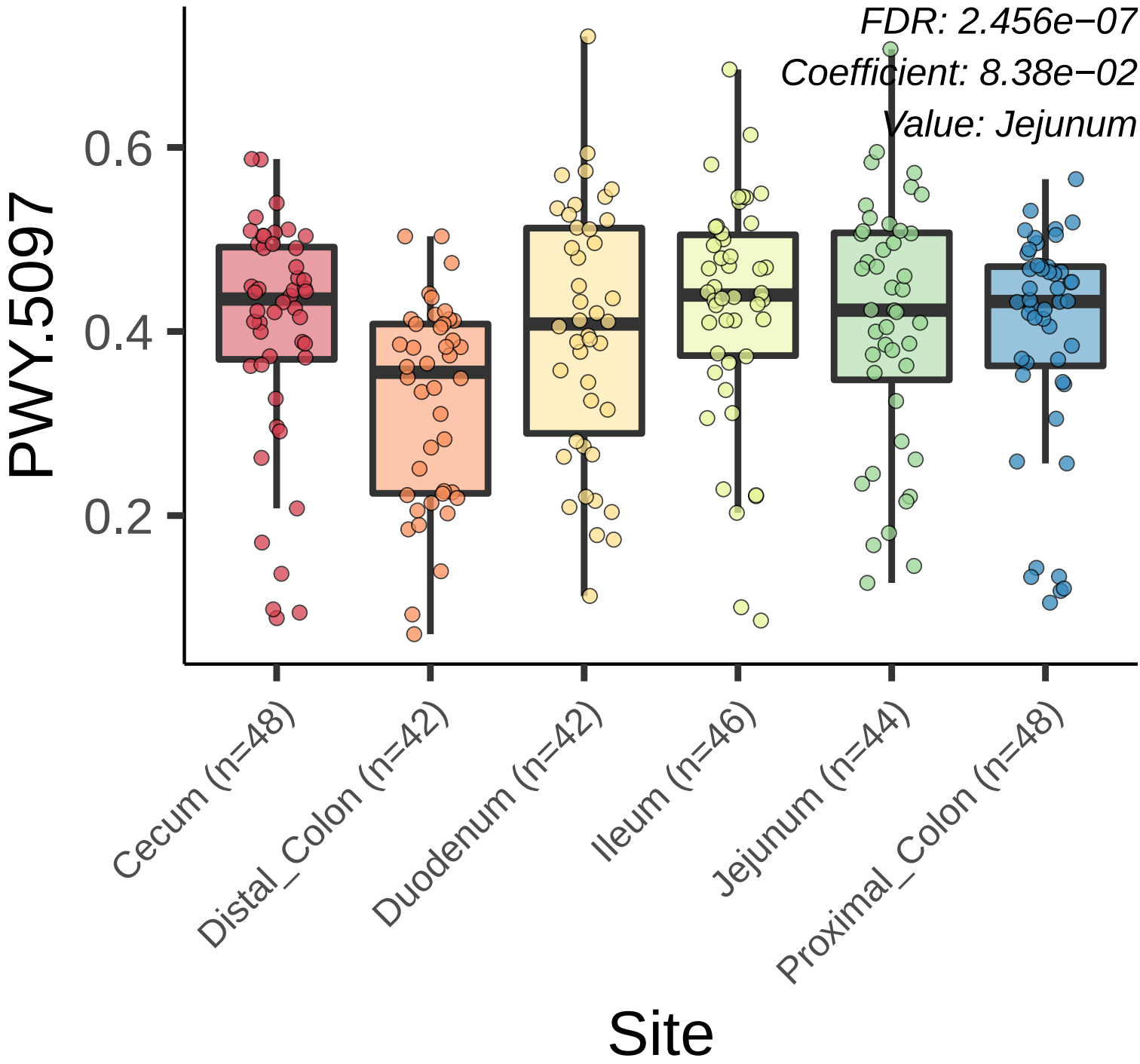

FDR: 2.138e−07
Coefficient: 8.03e−02
Value: Cecum
TRNA.CHARGING.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

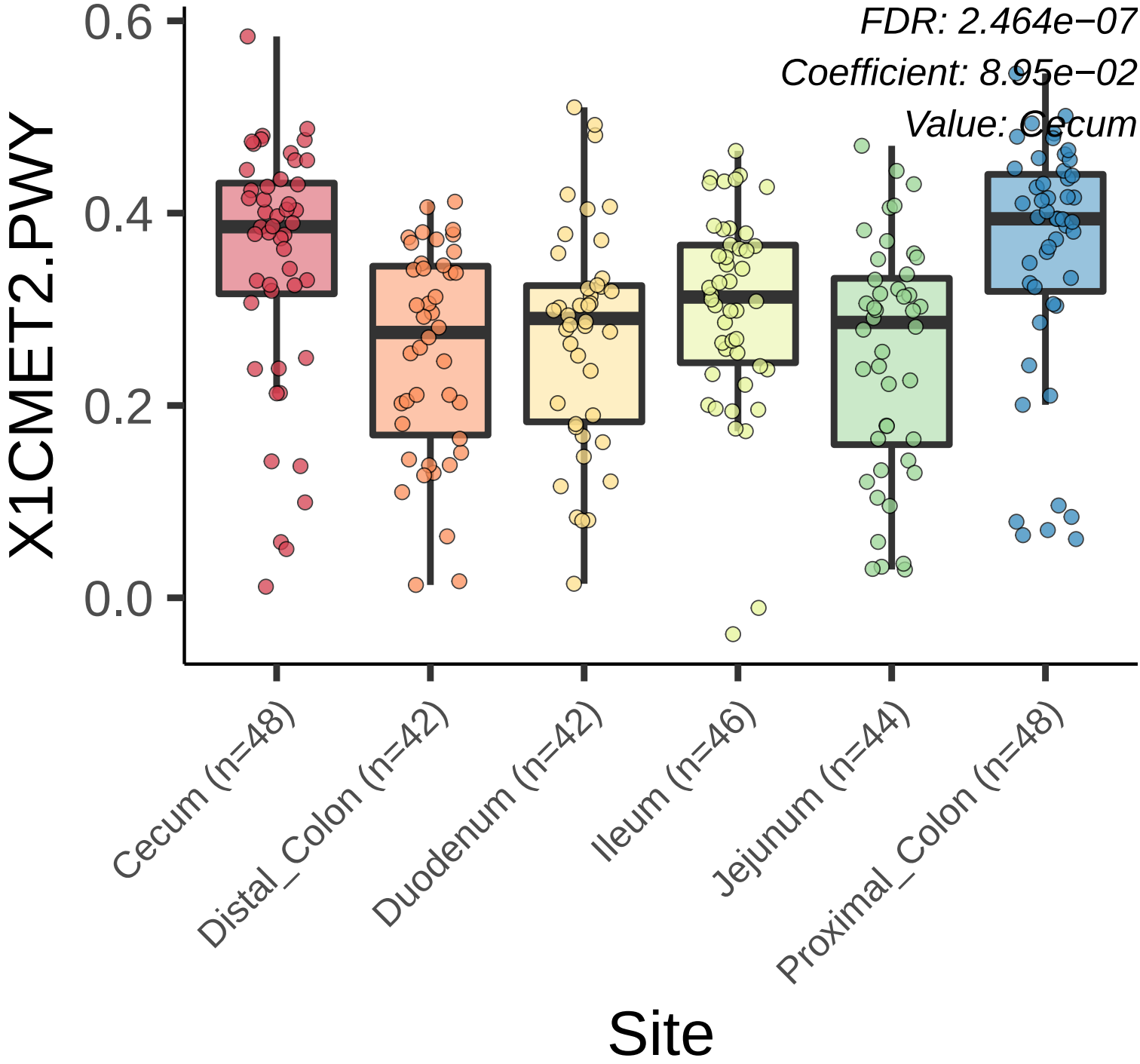

FDR: 2.243e−07
Coefficient: 8.79e−02
Value: Duodenum
PWY.6385
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

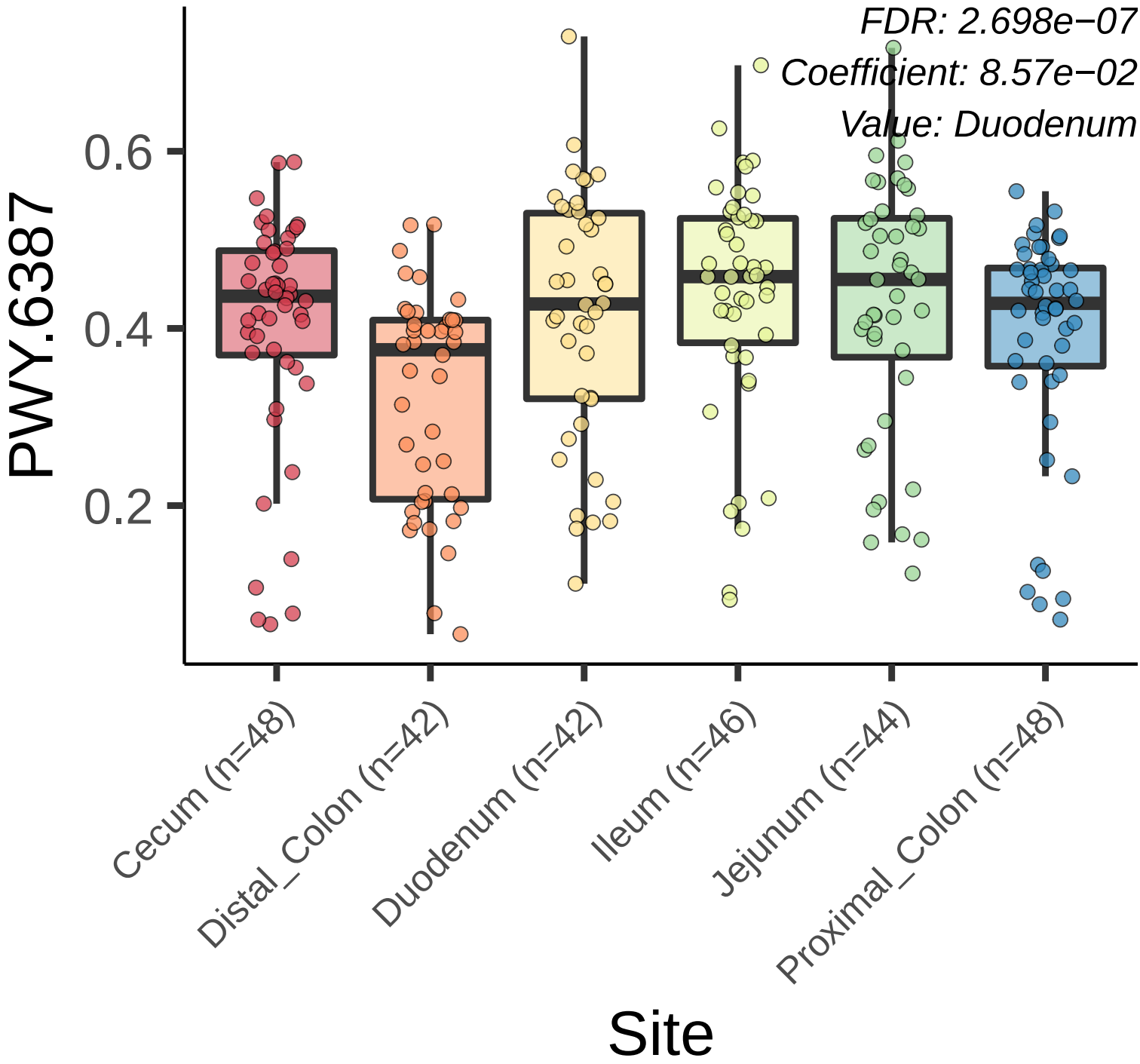

FDR: 2.267e−07
Coefficient: 9.06e−02
Value: Jejunum
PWY.621
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

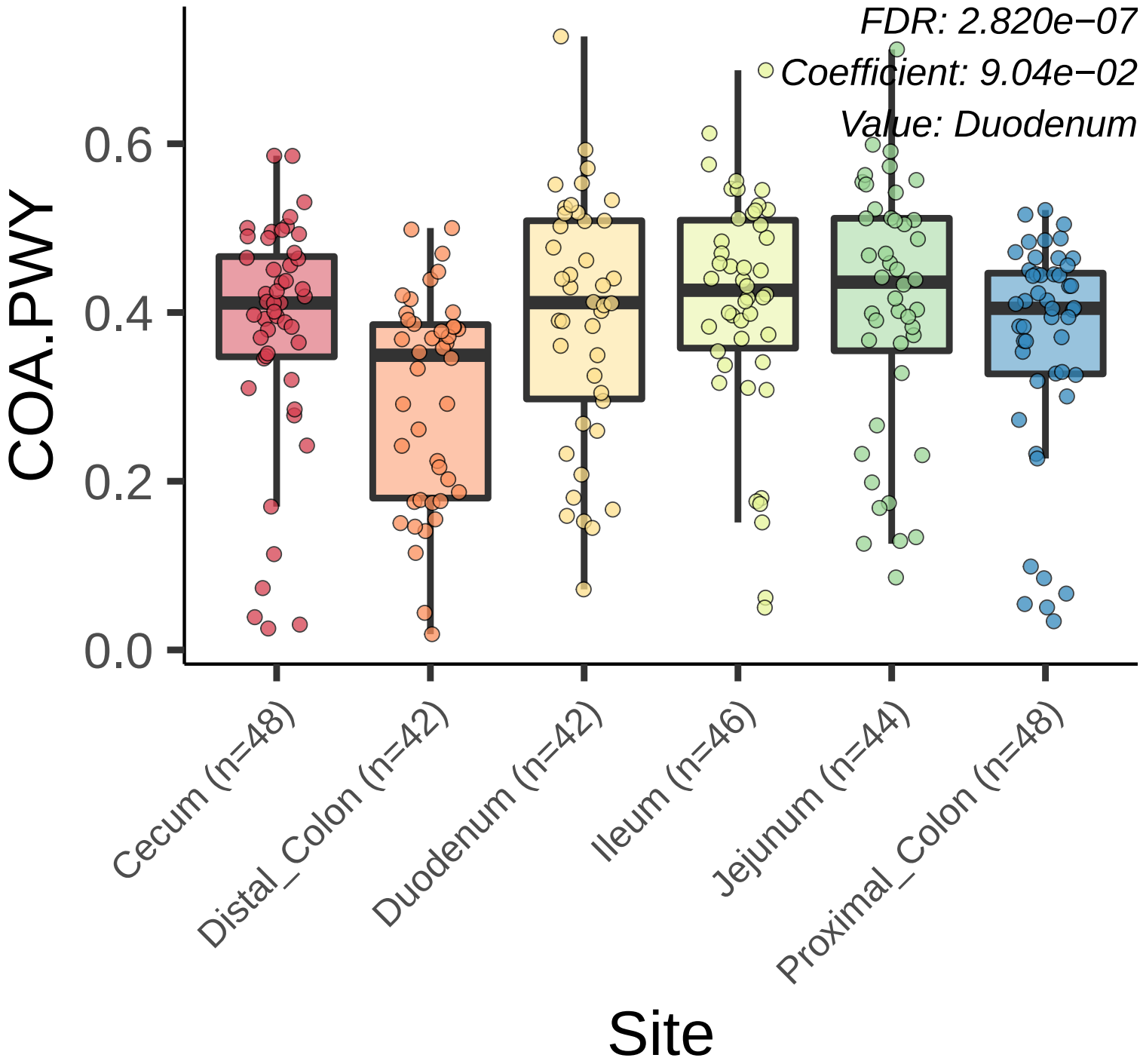

FDR: 2.302e−07
Coefficient: 1.24e−01
Value: Ileum
PWY0.1298
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

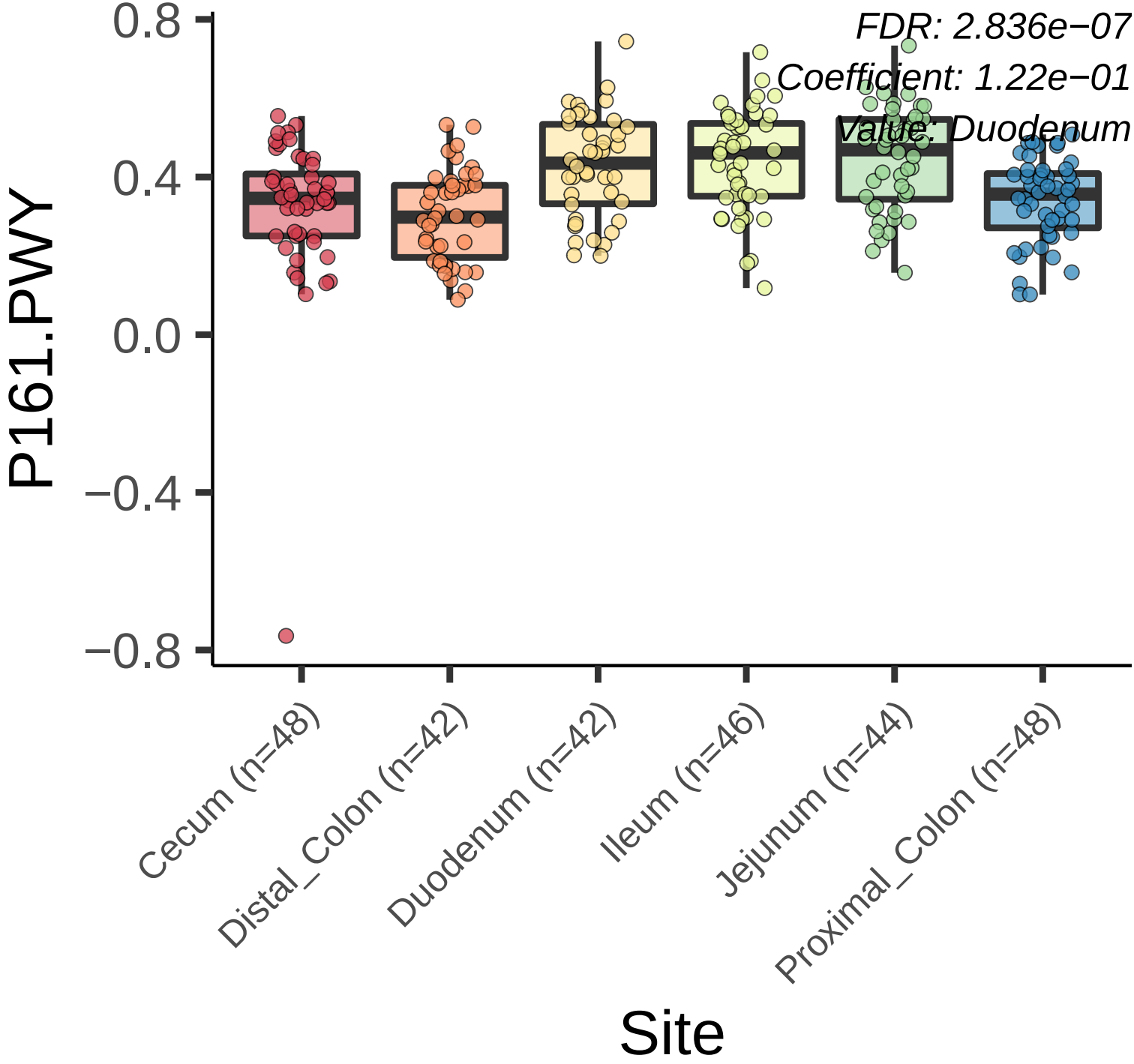

FDR: 2.448e−07
Coefficient: 8.45e−02
Value: Duodenum
PWY.7221
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

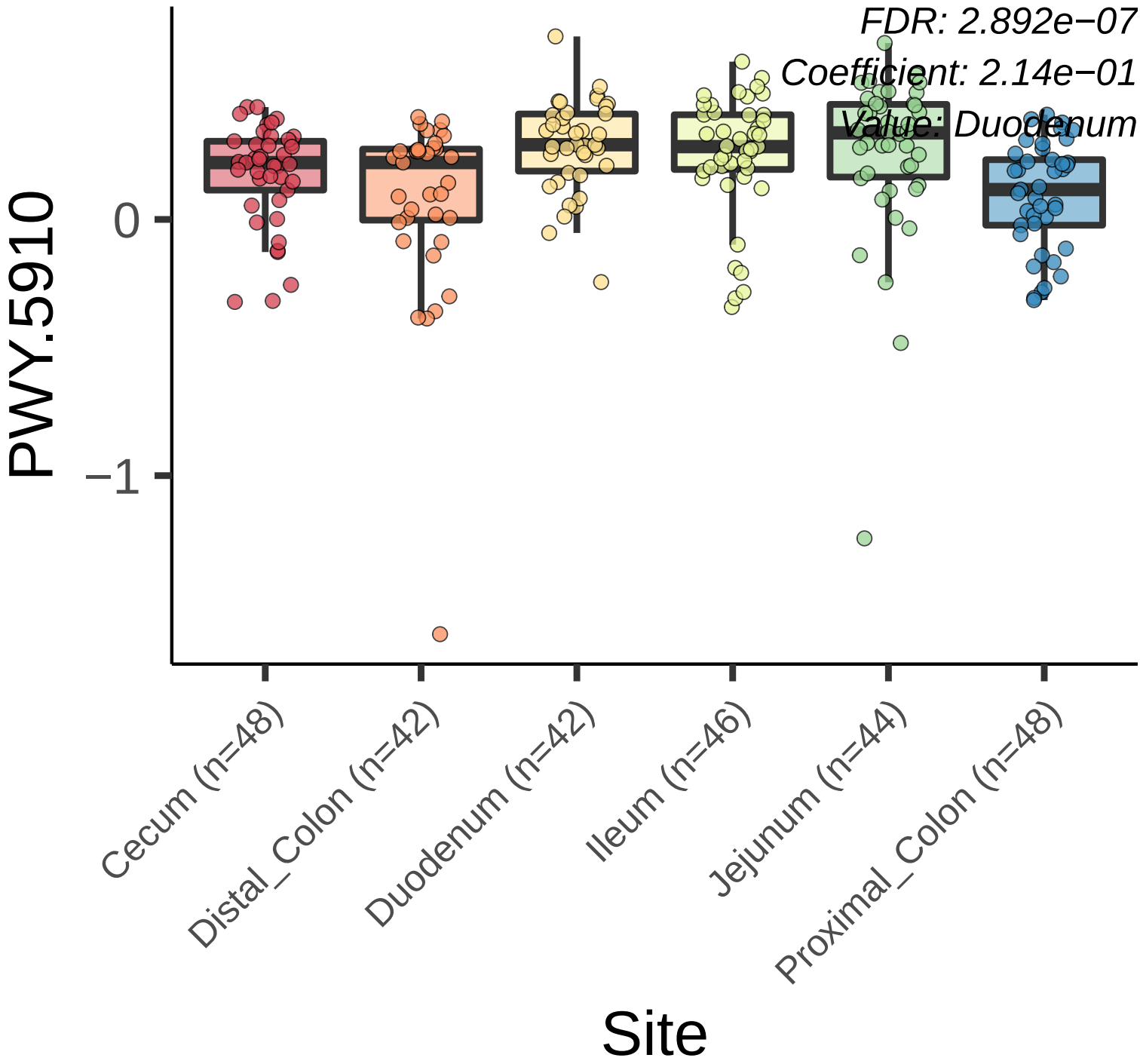

FDR: 2.456e−07
Coefficient: 8.38e−02
Value: Jejunum
PWY.5097
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

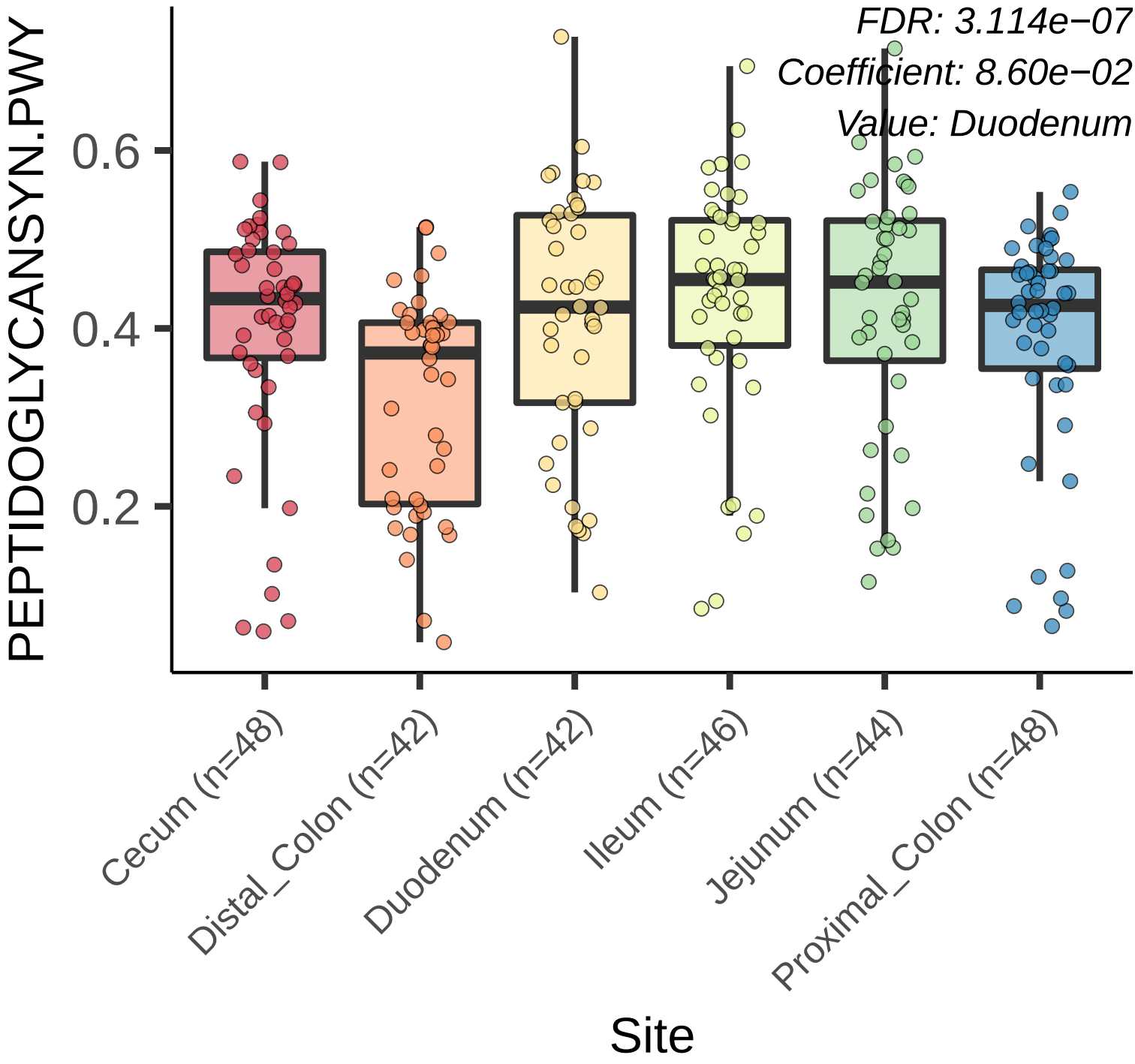

FDR: 2.464e−07
Coefficient: 8.95e−02
Value: Cecum
X1CMET2.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

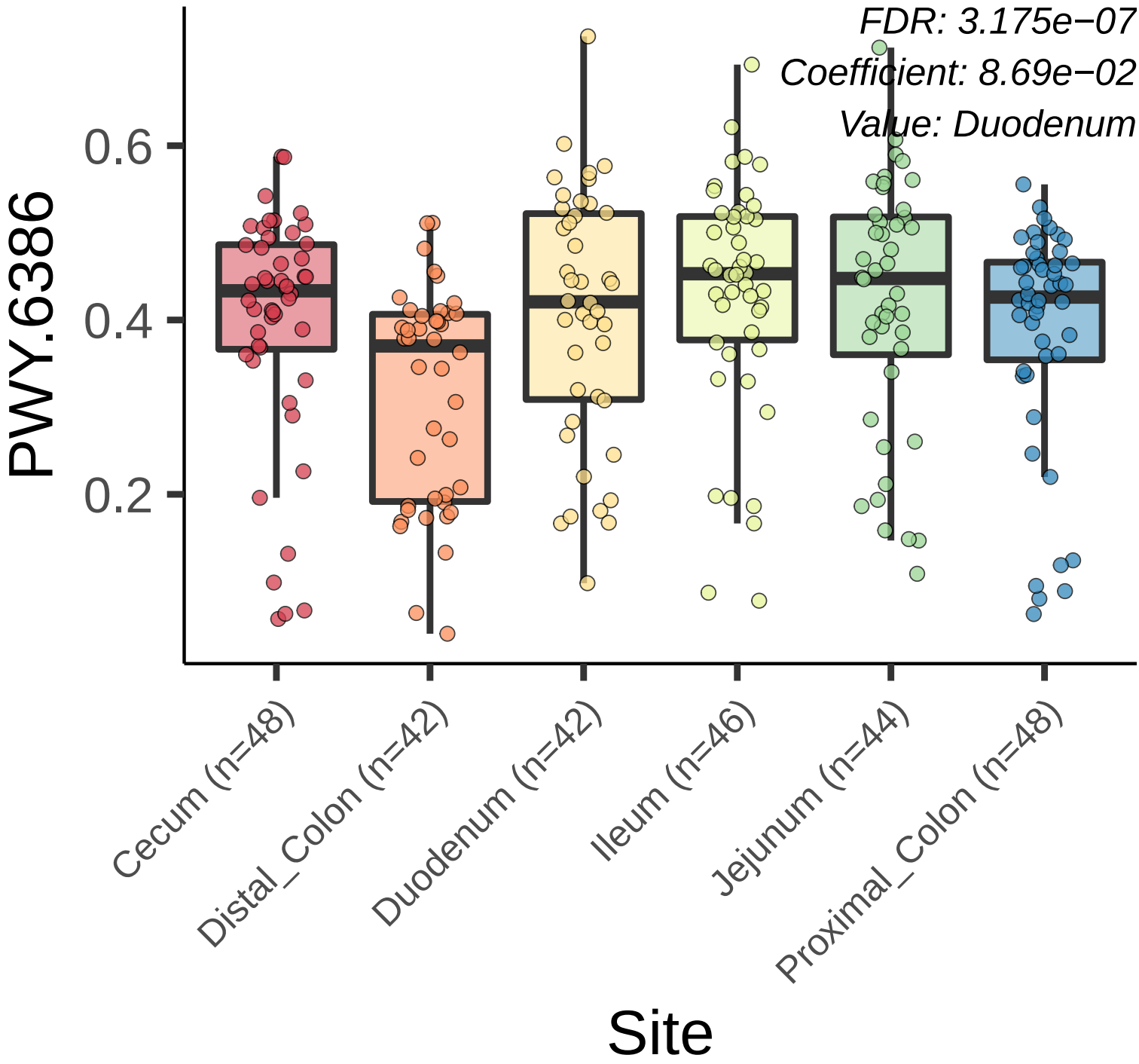

FDR: 2.698e−07
Coefficient: 8.57e−02
Value: Duodenum
PWY.6387
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

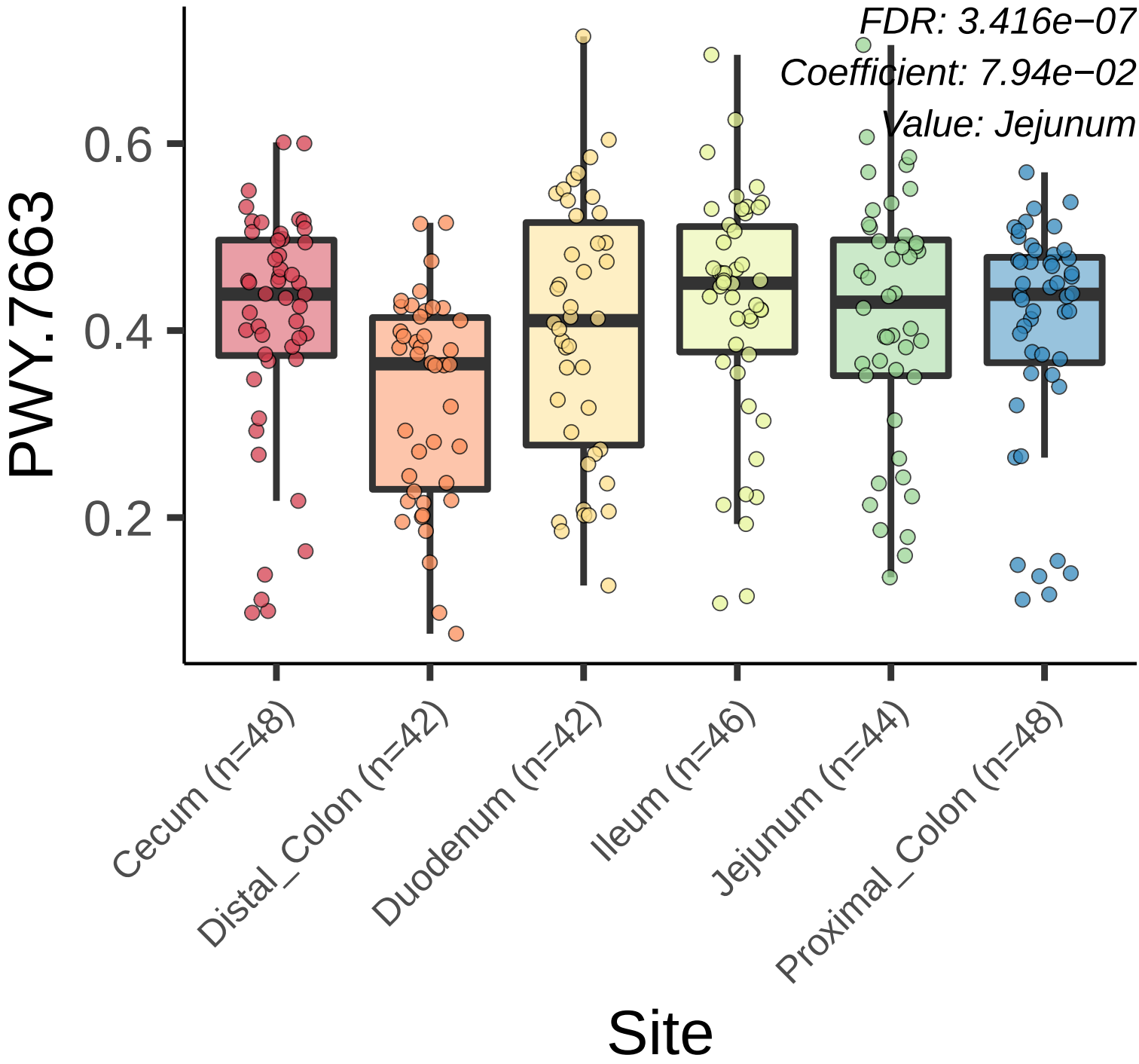

FDR: 2.820e−07
Coefficient: 9.04e−02
Value: Duodenum
COA.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

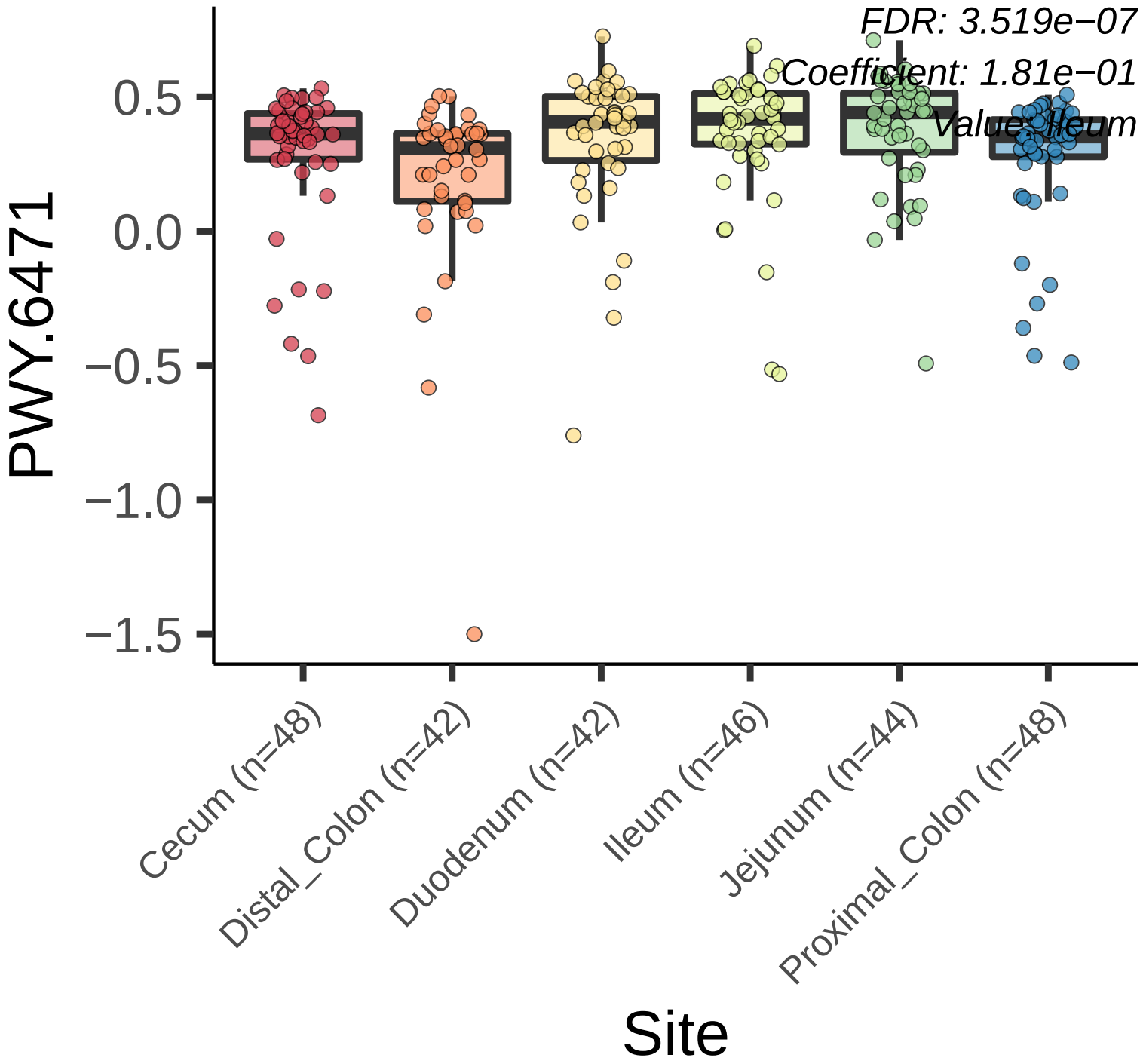

FDR: 2.836e−07
Coefficient: 1.22e−01
Value: Duodenum
P161.PWY
0.8
0.4
0.0
−0.4
−0.8
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

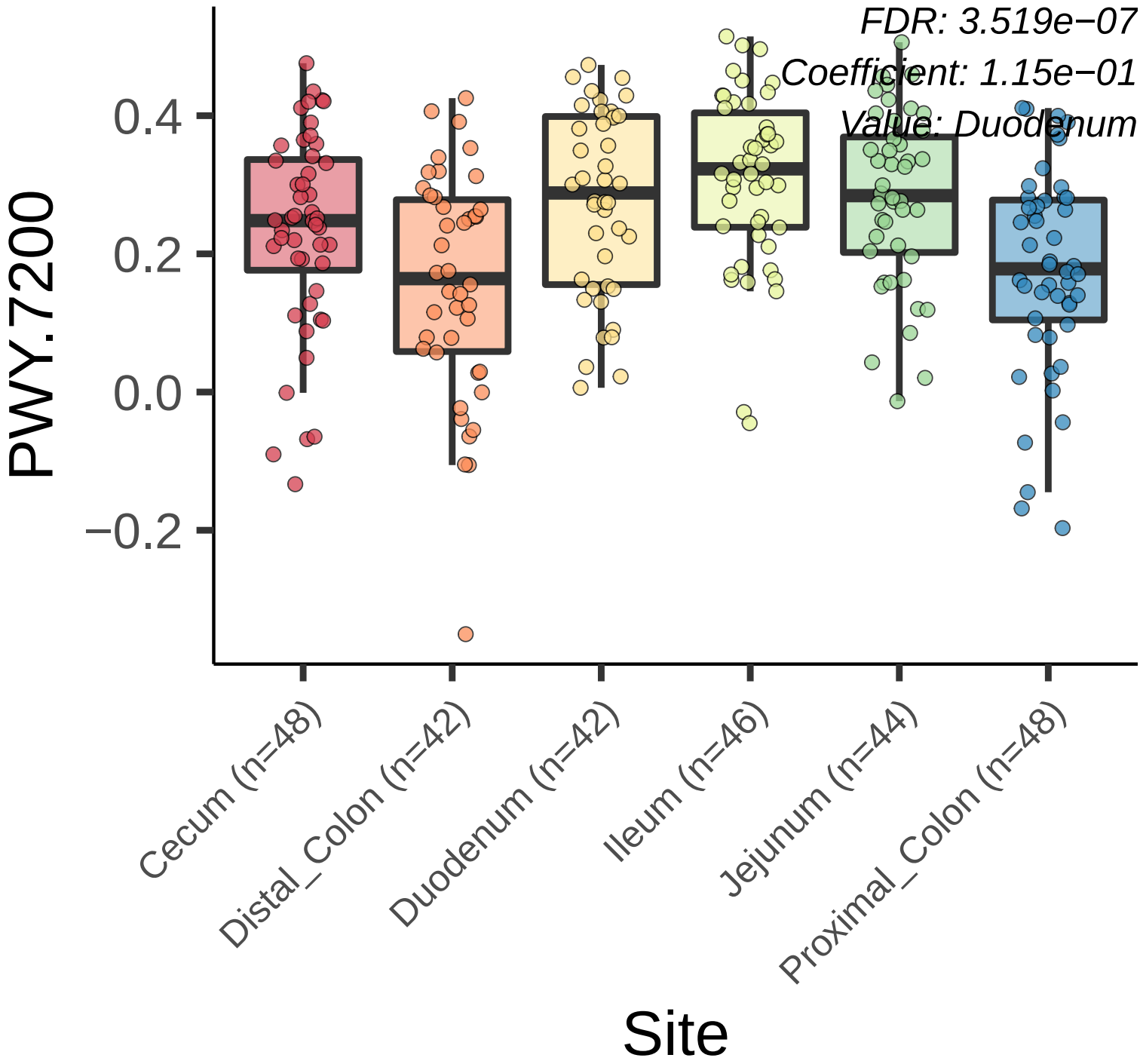

FDR: 2.892e−07
Coefficient: 2.14e−01
Value: Duodenum
PWY.5910
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

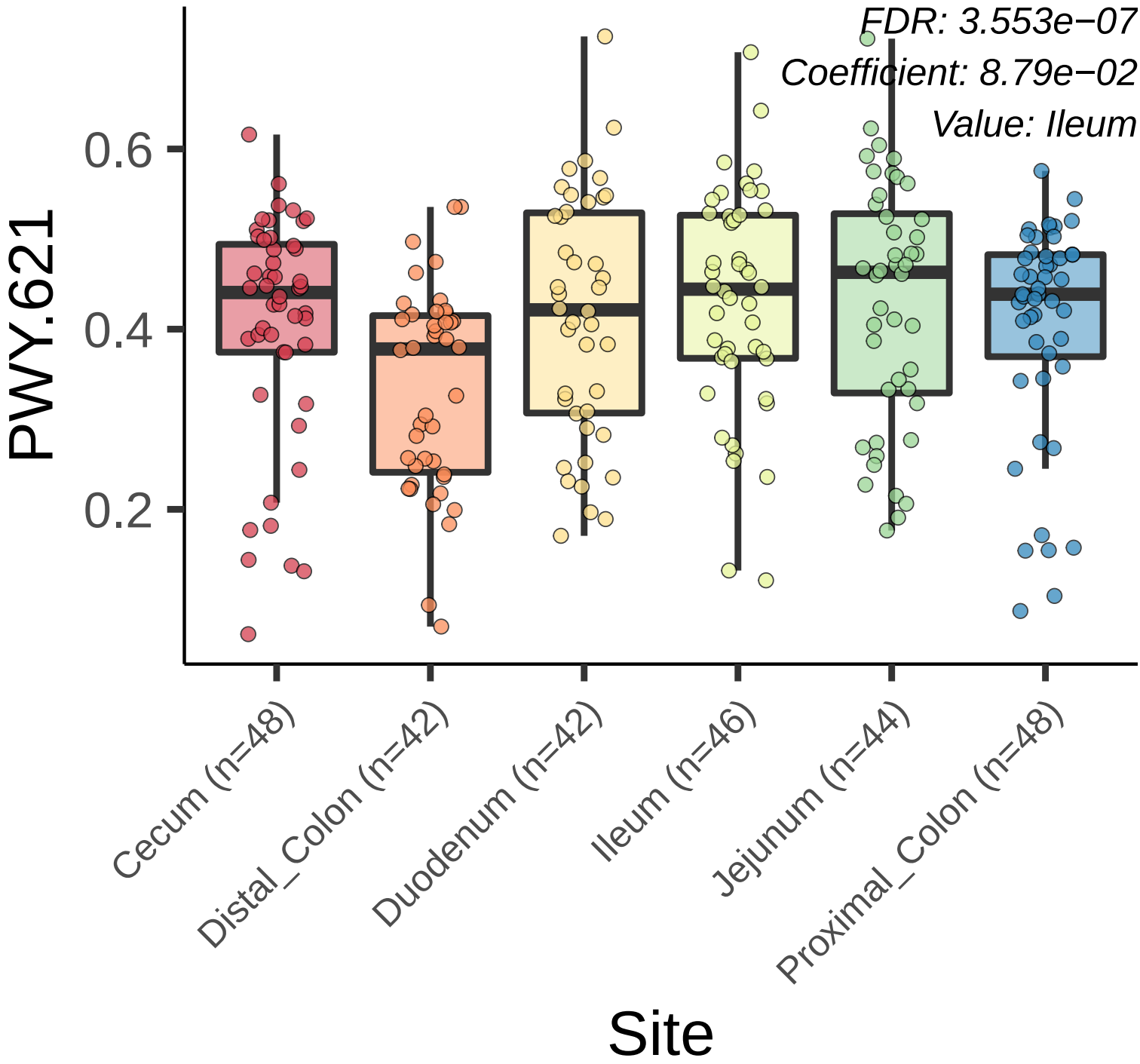

FDR: 3.114e−07
Coefficient: 8.60e−02
Value: Duodenum
PEPTIDOGLYCANSYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

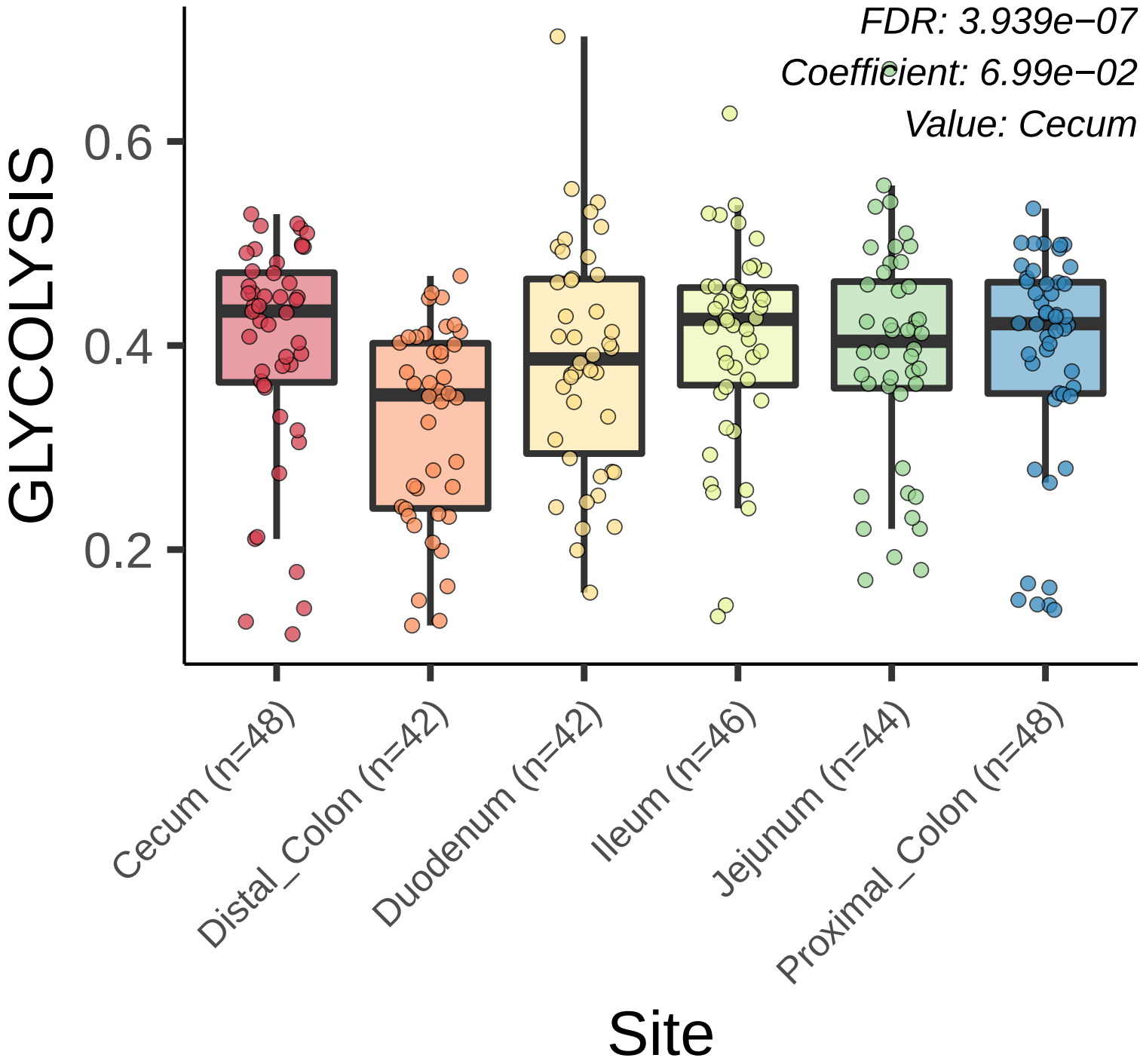

FDR: 3.175e−07
Coefficient: 8.69e−02
Value: Duodenum
PWY.6386
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

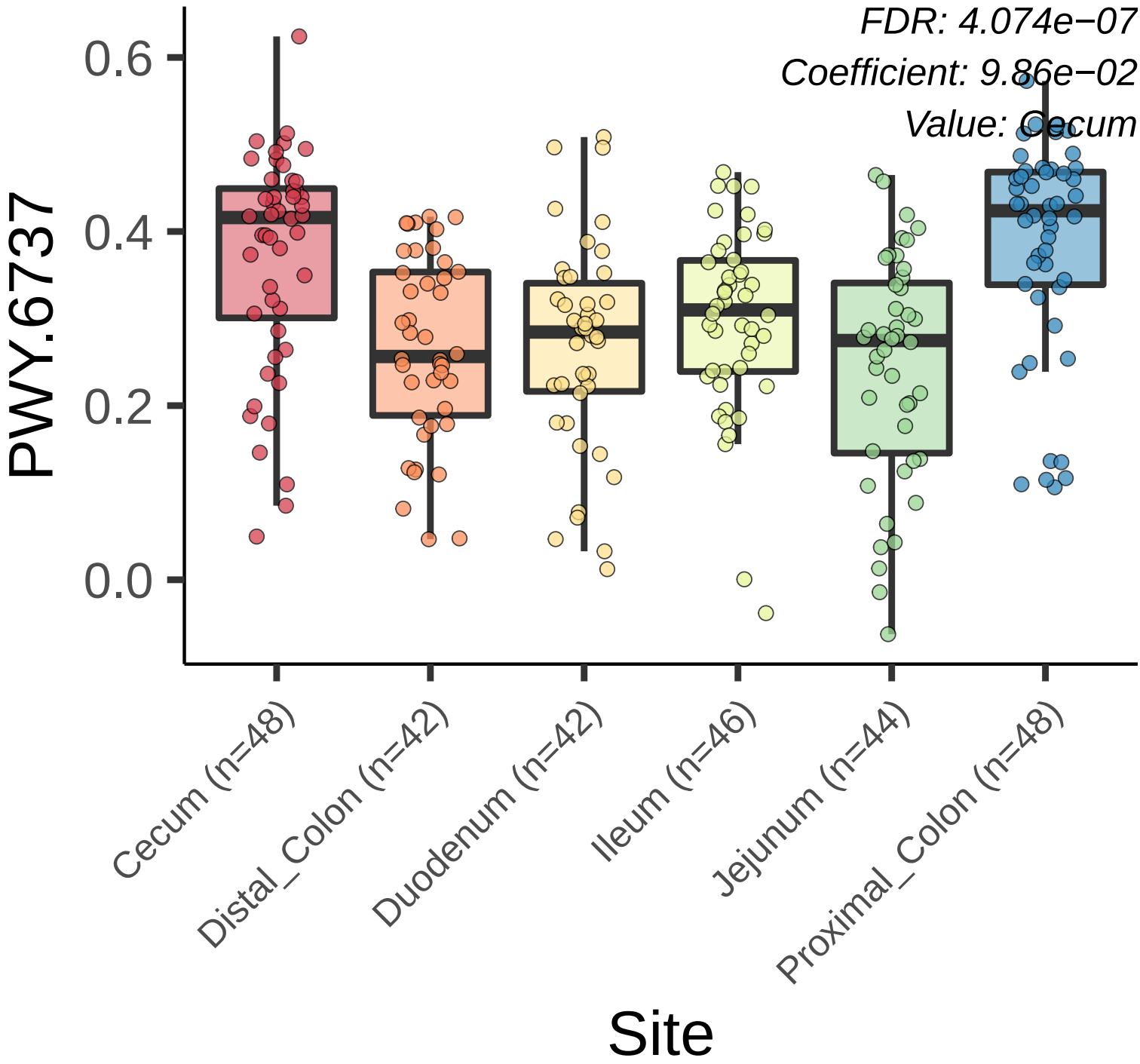

FDR: 3.416e−07
Coefficient: 7.94e−02
Value: Jejunum
PWY.7663
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

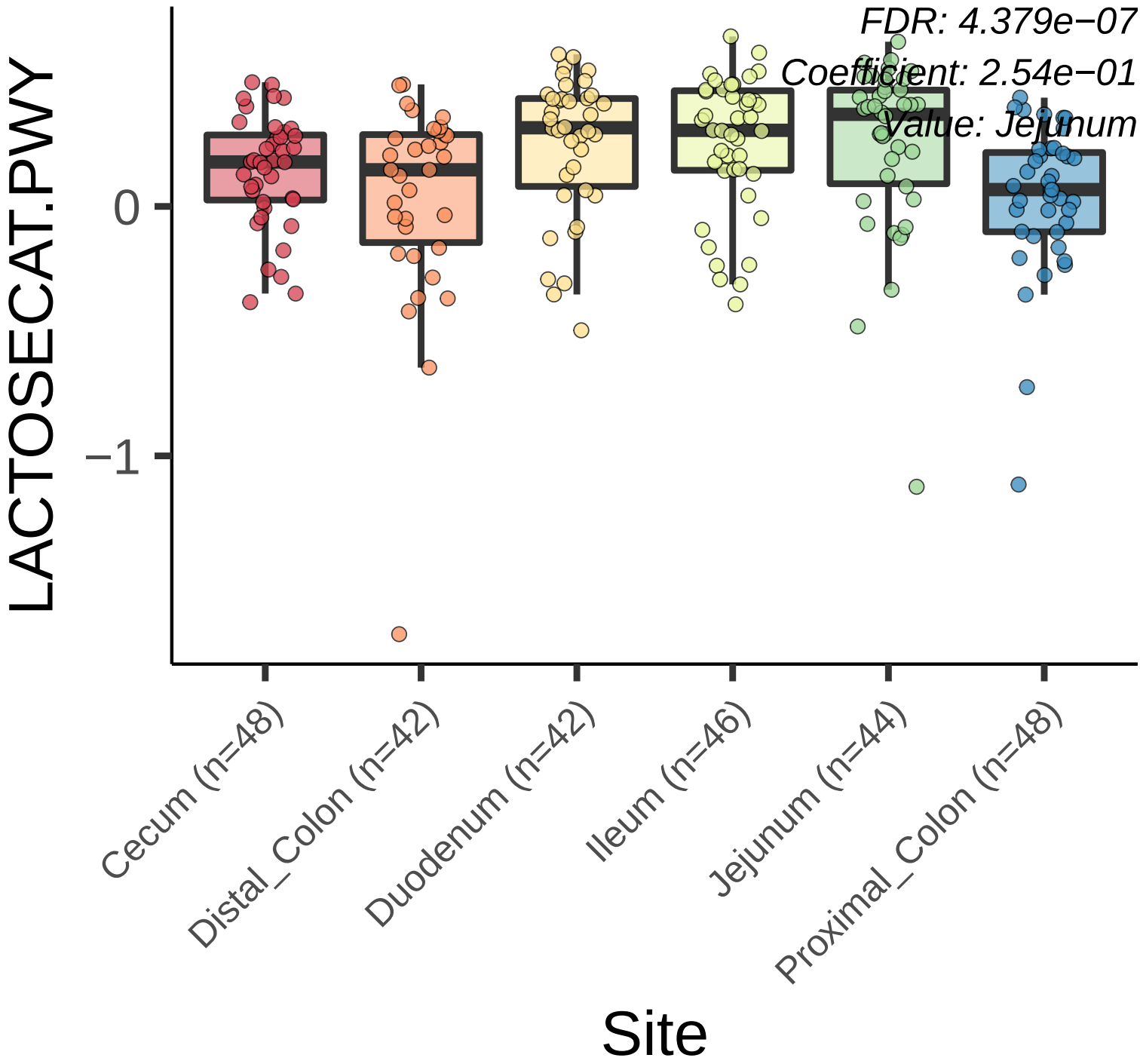

FDR: 3.519e−07
Coefficient: 1.81e−01
Value: Ileum
PWY.6471
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

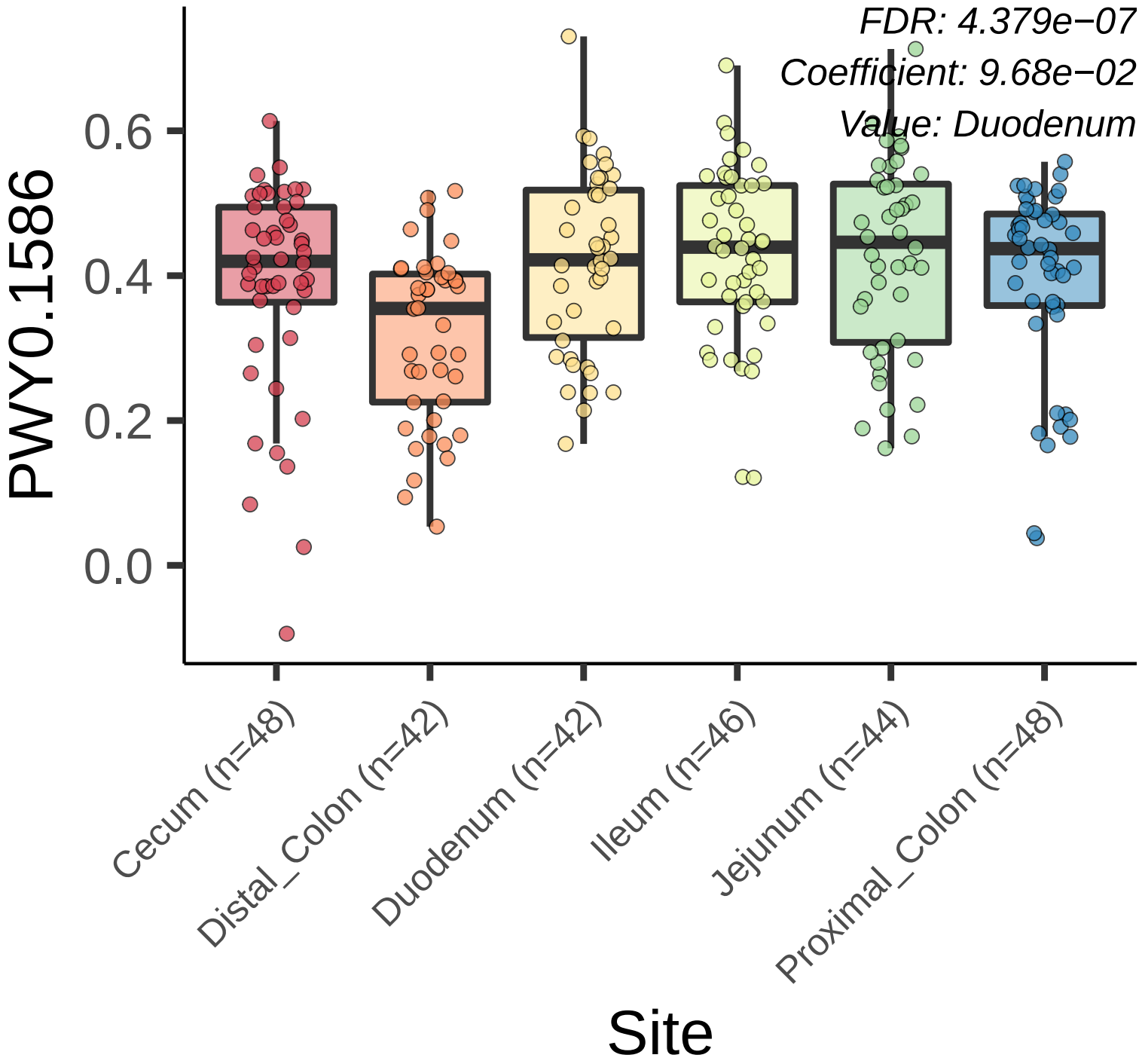

FDR: 3.519e−07
Coefficient: 1.15e−01
Value: Duodenum
PWY.7200
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

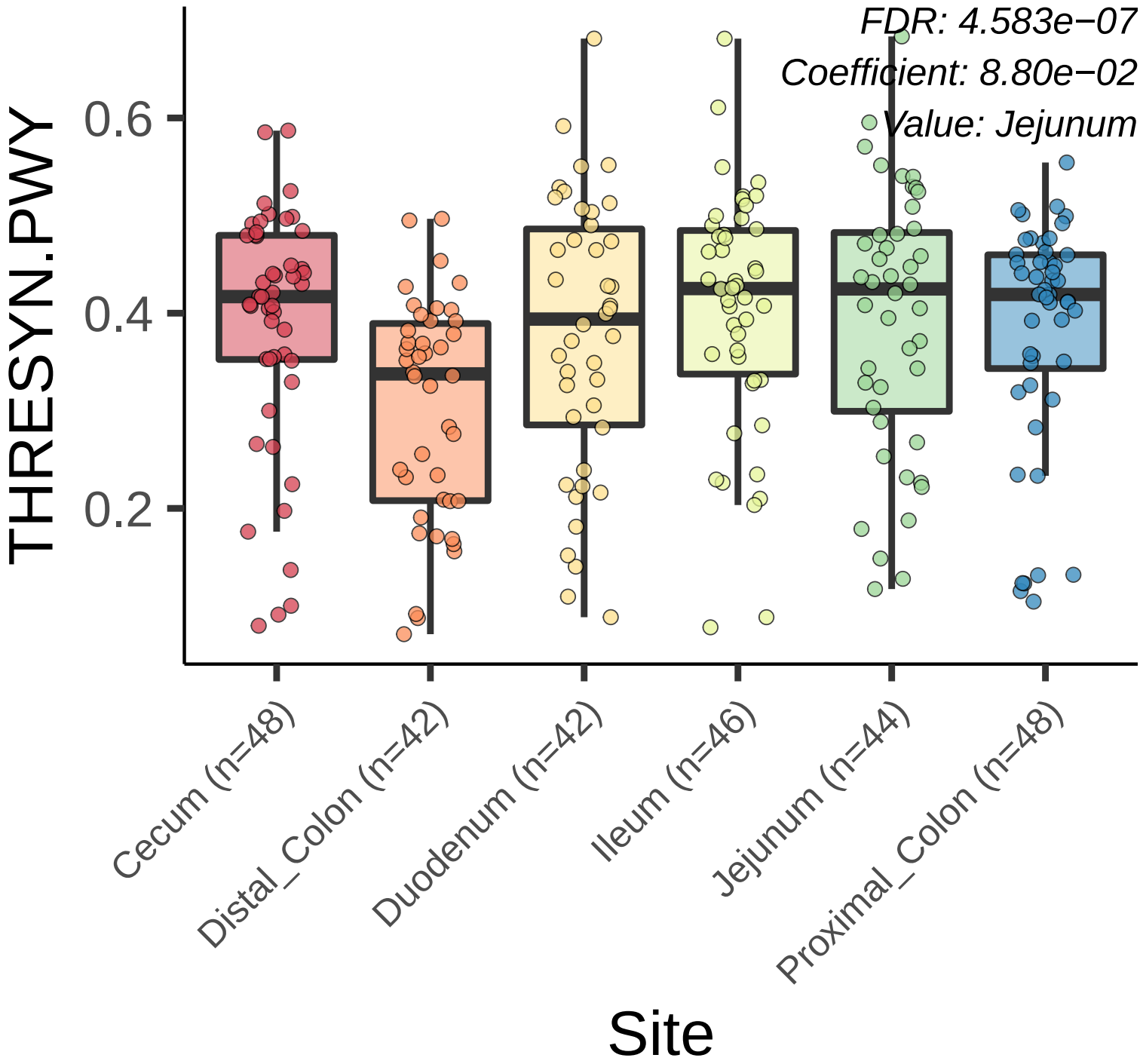

FDR: 3.553e−07
Coefficient: 8.79e−02
Value: Ileum
PWY.621
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

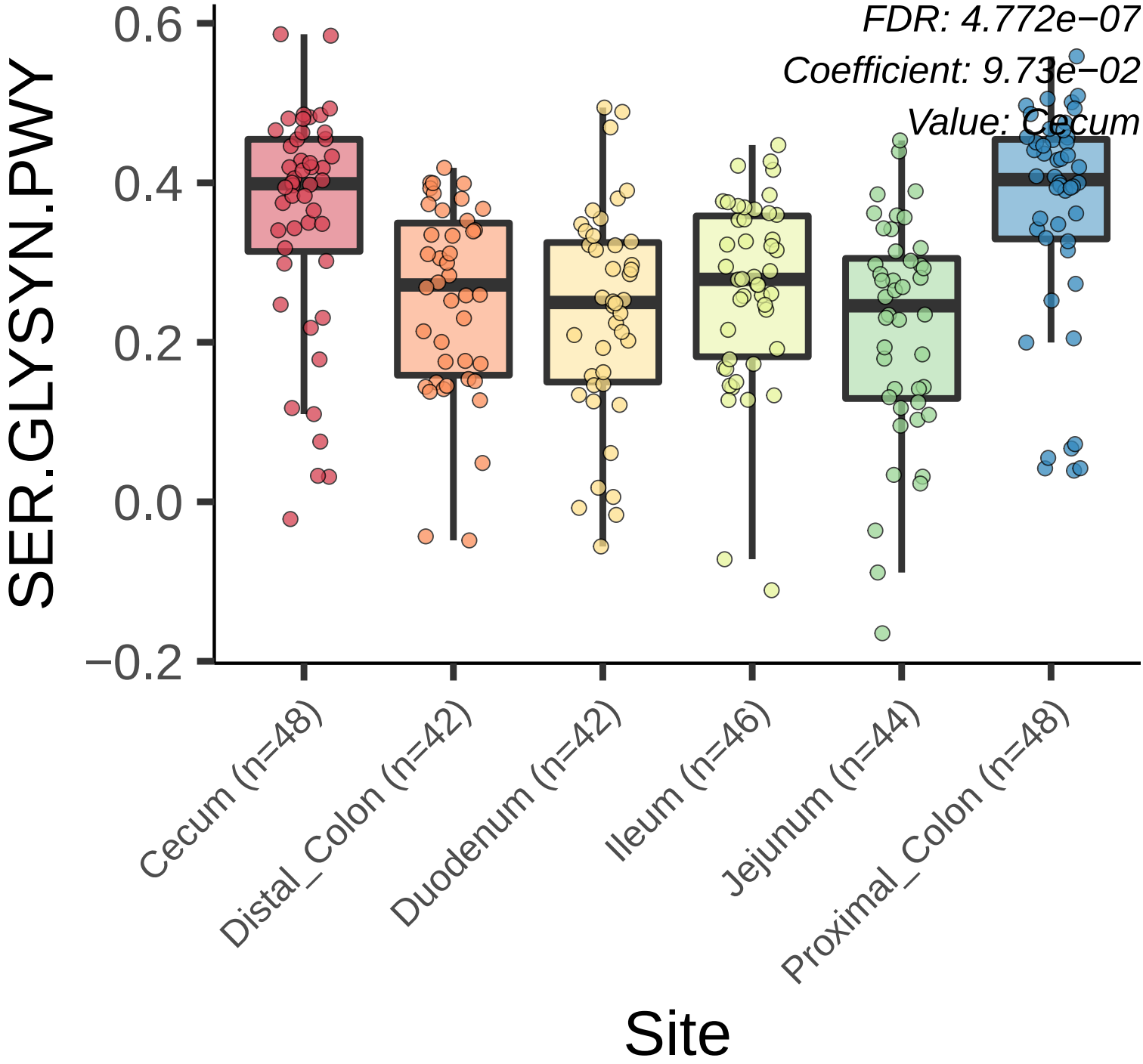

FDR: 3.939e−07
Coefficient: 6.99e−02
Value: Cecum
GLYCOLYSIS
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

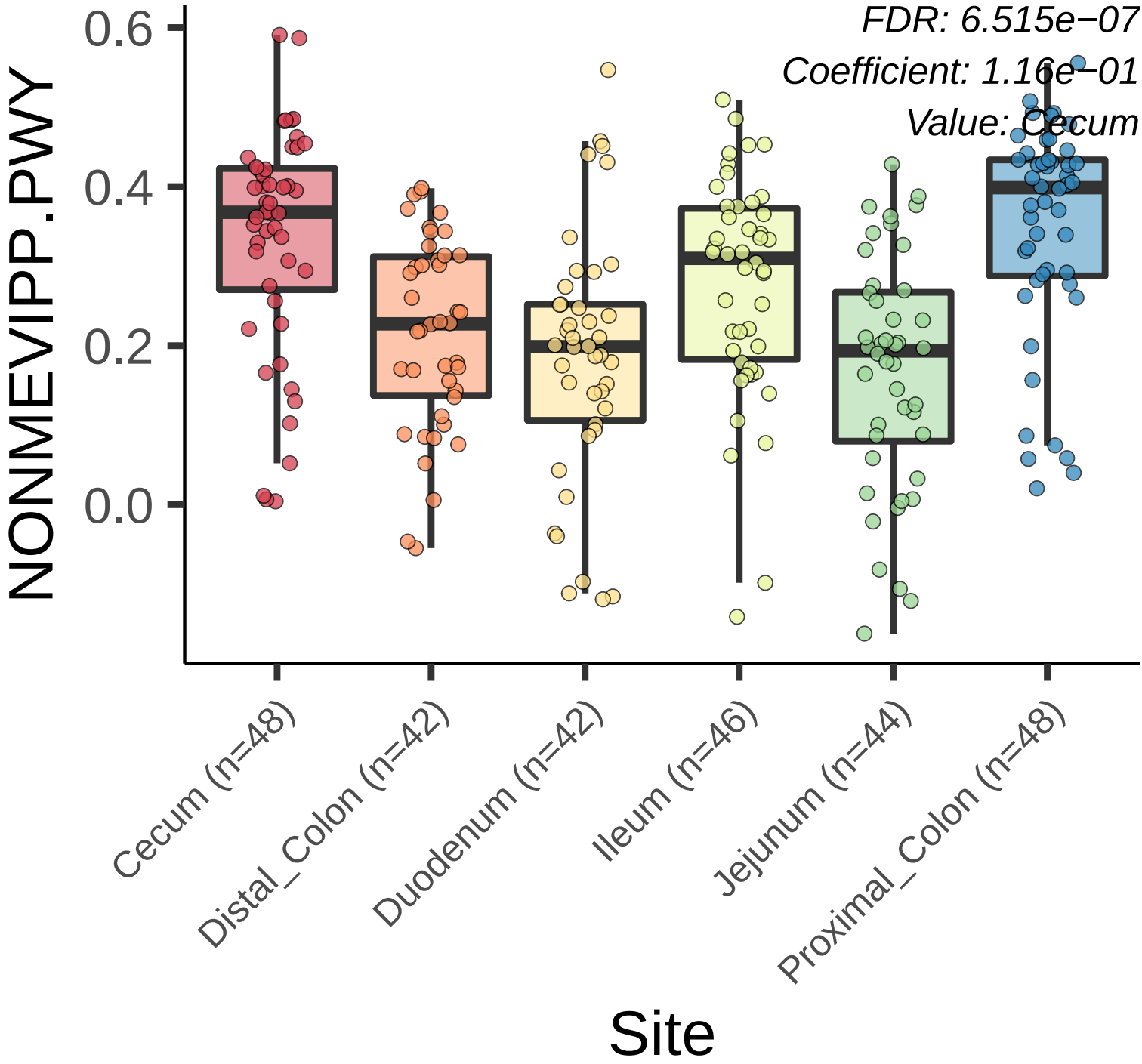

FDR: 4.074e−07
Coefficient: 9.86e−02
Value: Cecum
PWY.6737
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

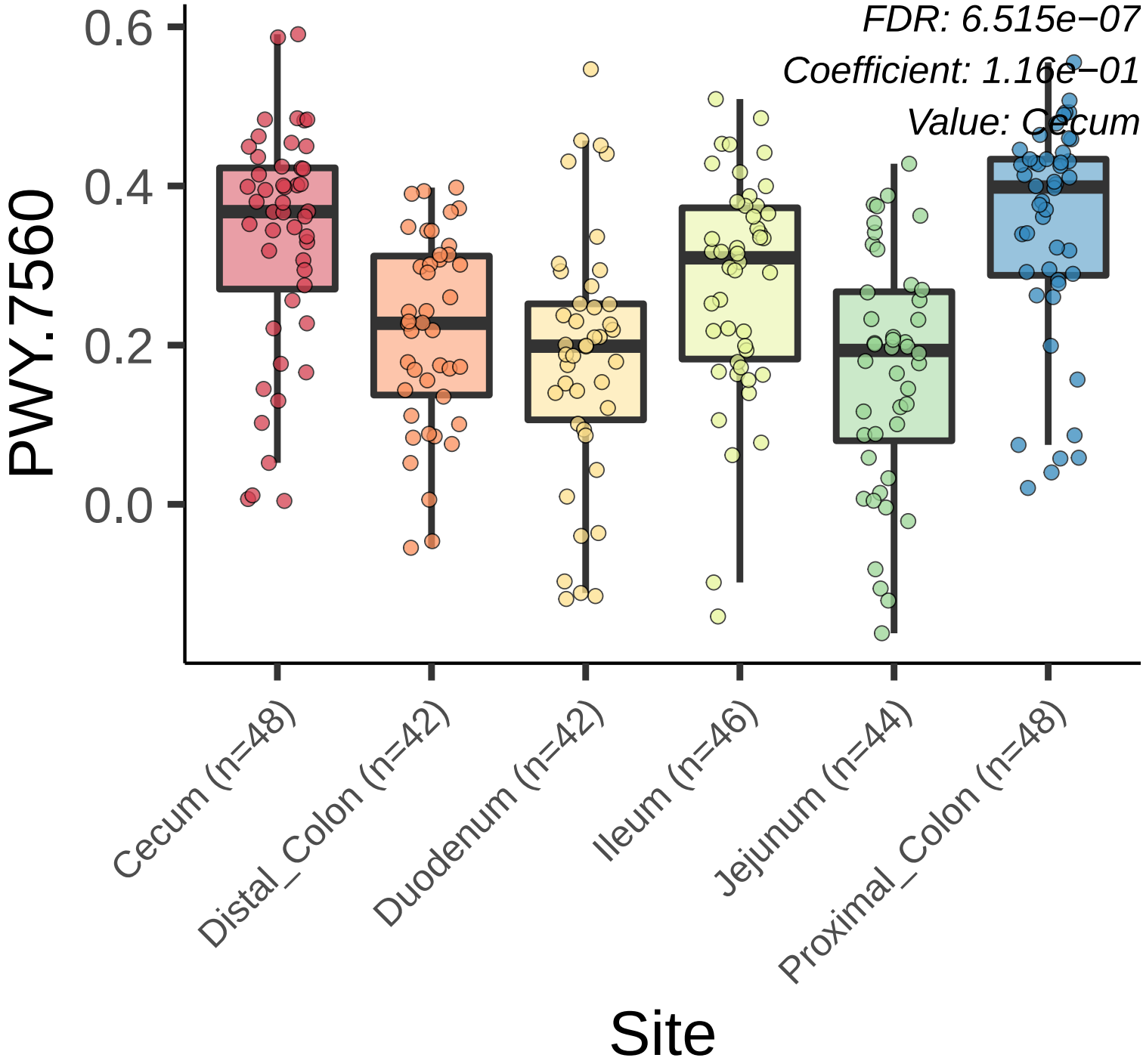

FDR: 4.379e−07
Coefficient: 2.54e−01
Value: Jejunum
LACTOSECAT.PWY
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

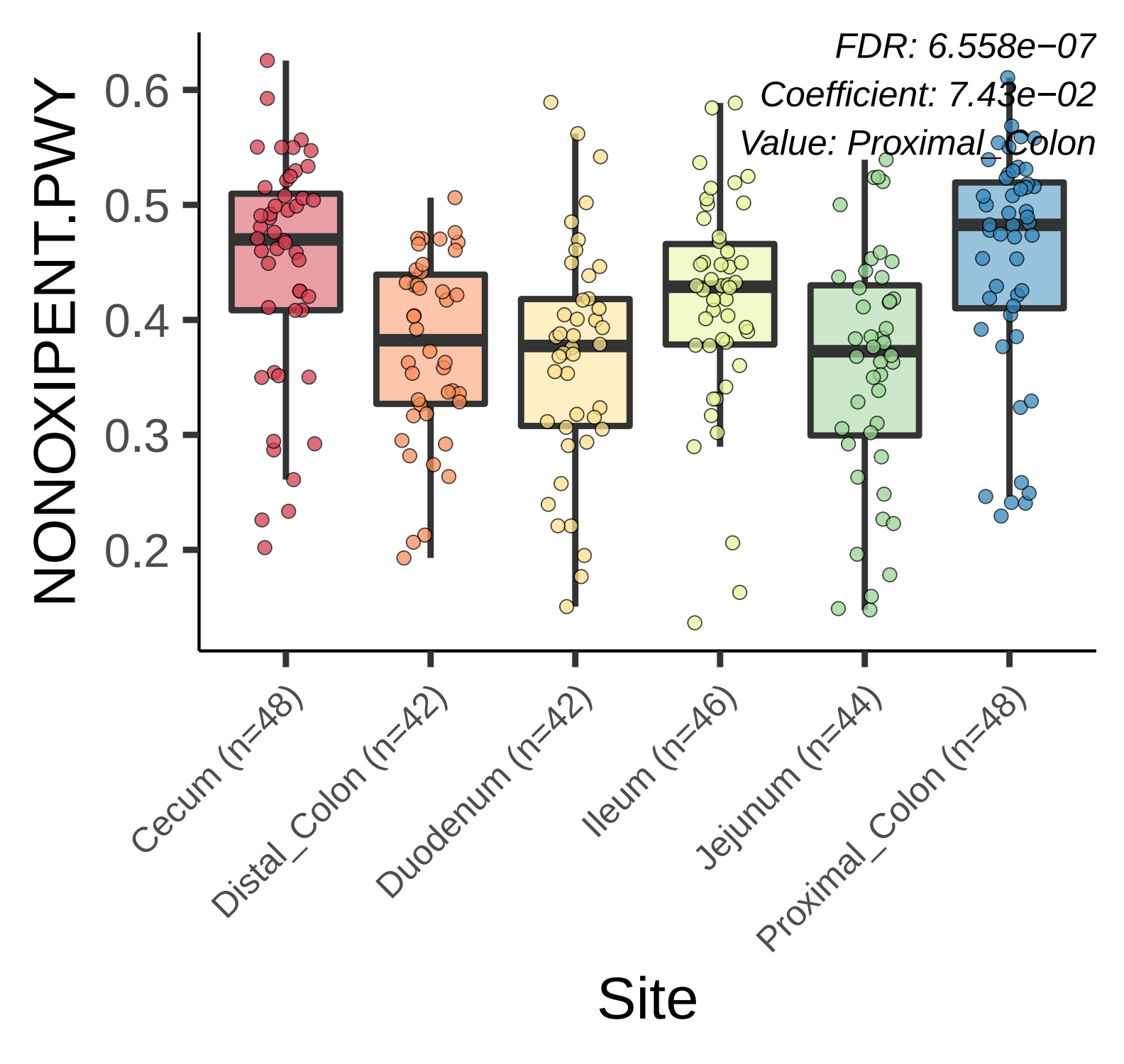

FDR: 4.379e−07
Coefficient: 9.68e−02
Value: Duodenum
PWY0.1586
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

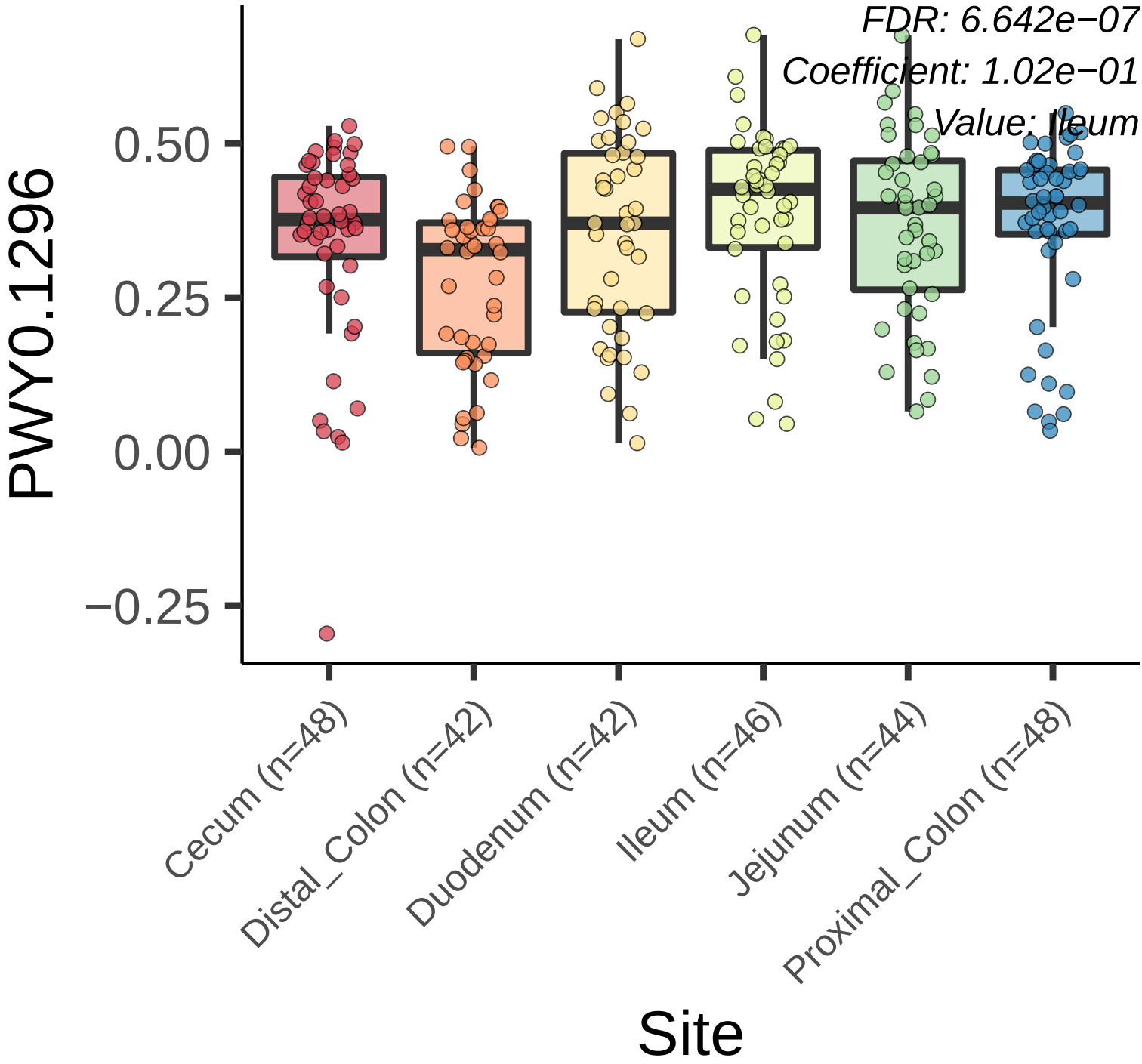

FDR: 4.583e−07
Coefficient: 8.80e−02
Value: Jejunum
THRESYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

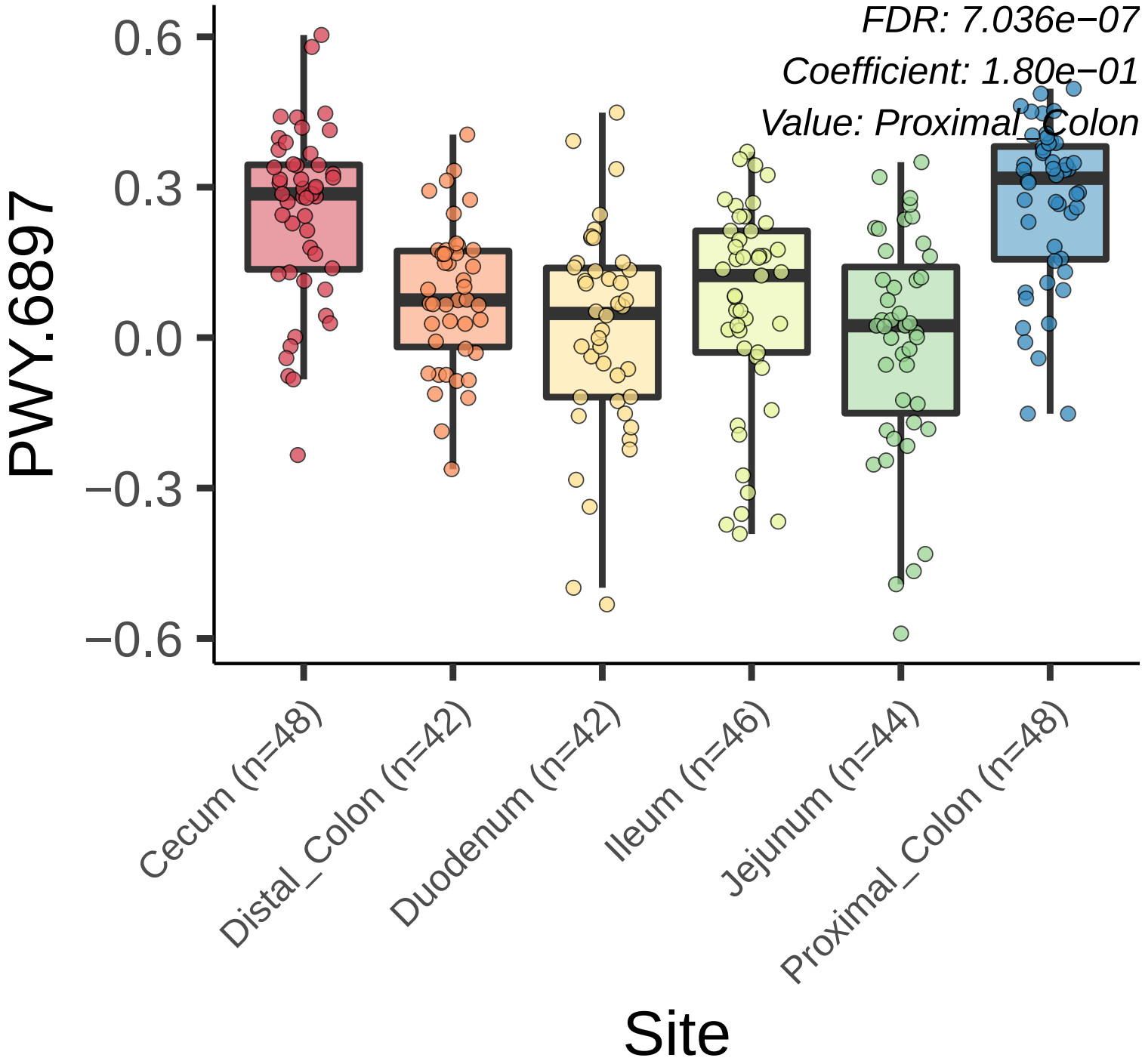

FDR: 4.772e−07
Coefficient: 9.73e−02
Value: Cecum
SER.GLYSYN.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

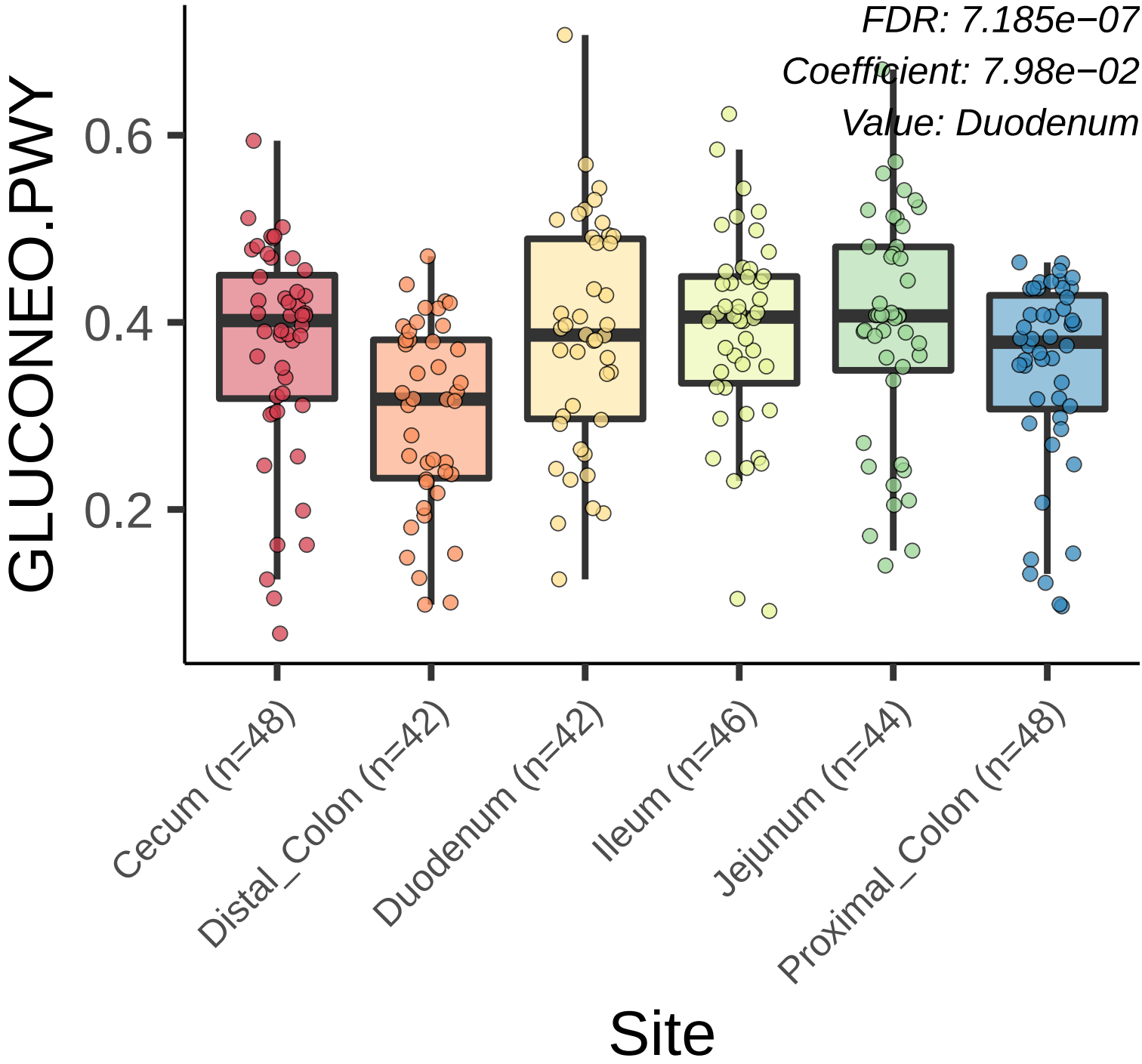

FDR: 6.515e−07
Coefficient: 1.16e−01
Value: Cecum
NONMEVIPP.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

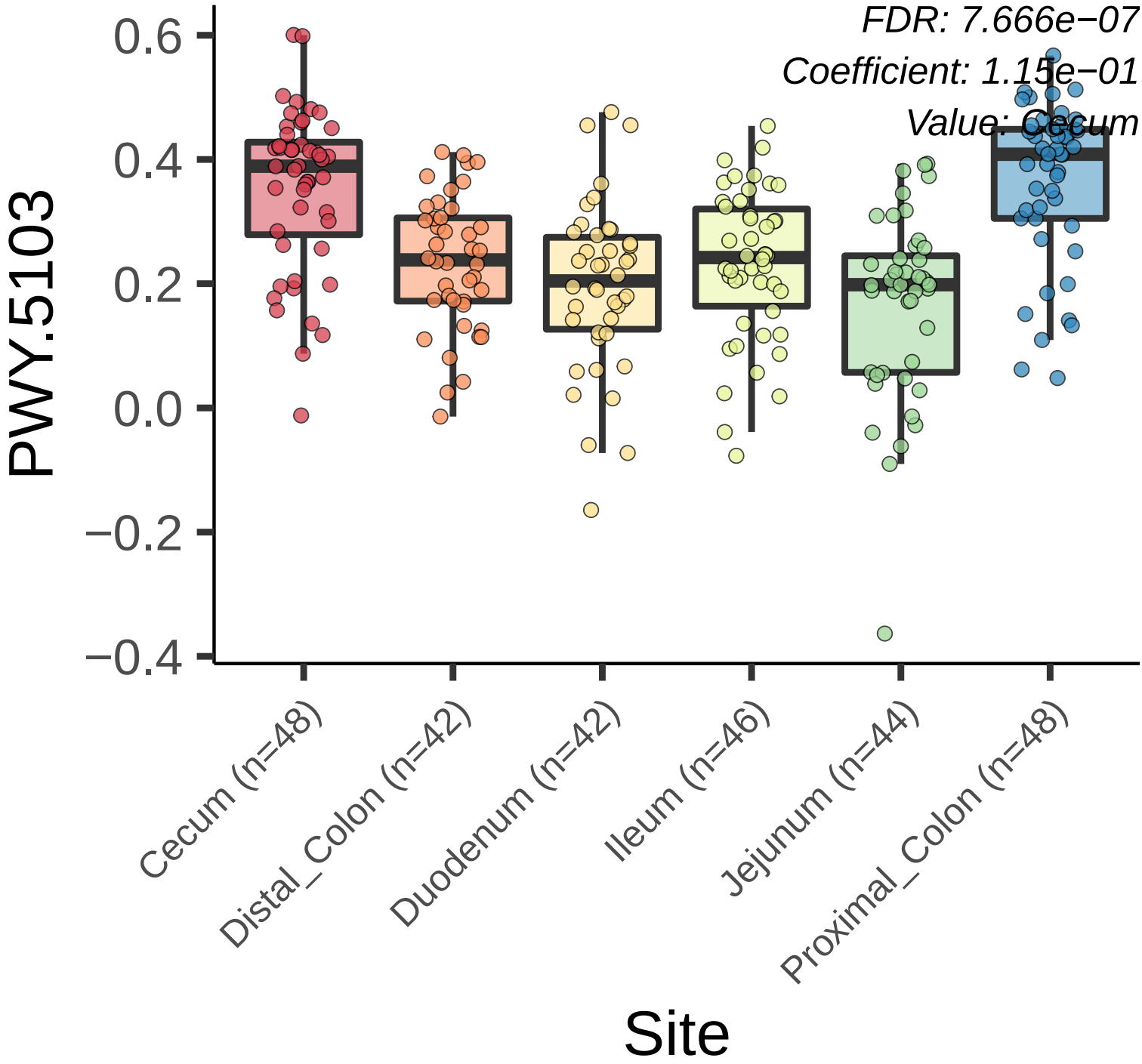

FDR: 6.515e−07
Coefficient: 1.16e−01
Value: Cecum
PWY.7560
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

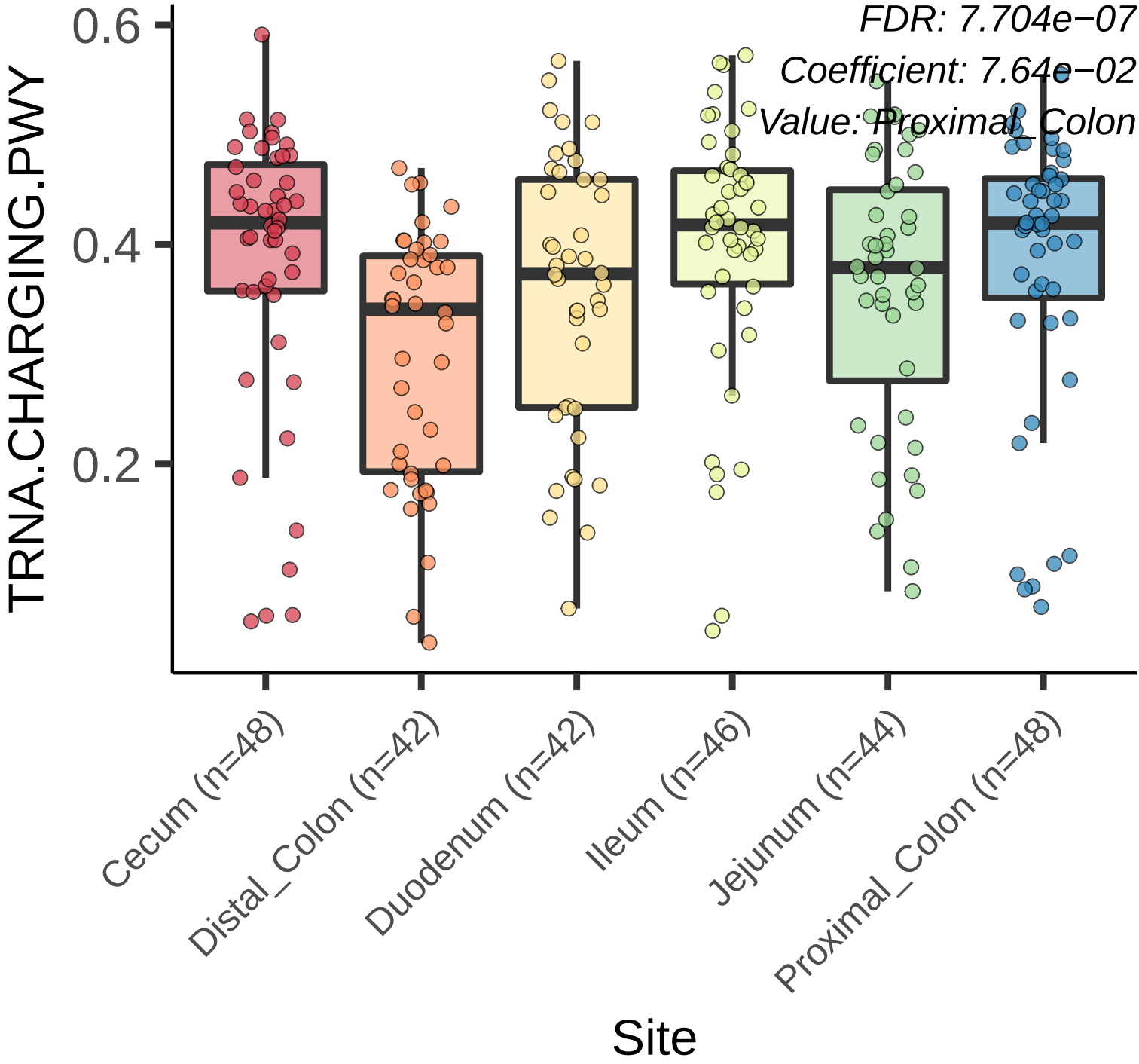

FDR: 6.558e−07
Coefficient: 7.43e−02
Value: Proximal_Colon
NONOXIPENT.PWY
0.6
0.5
0.4
0.3
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

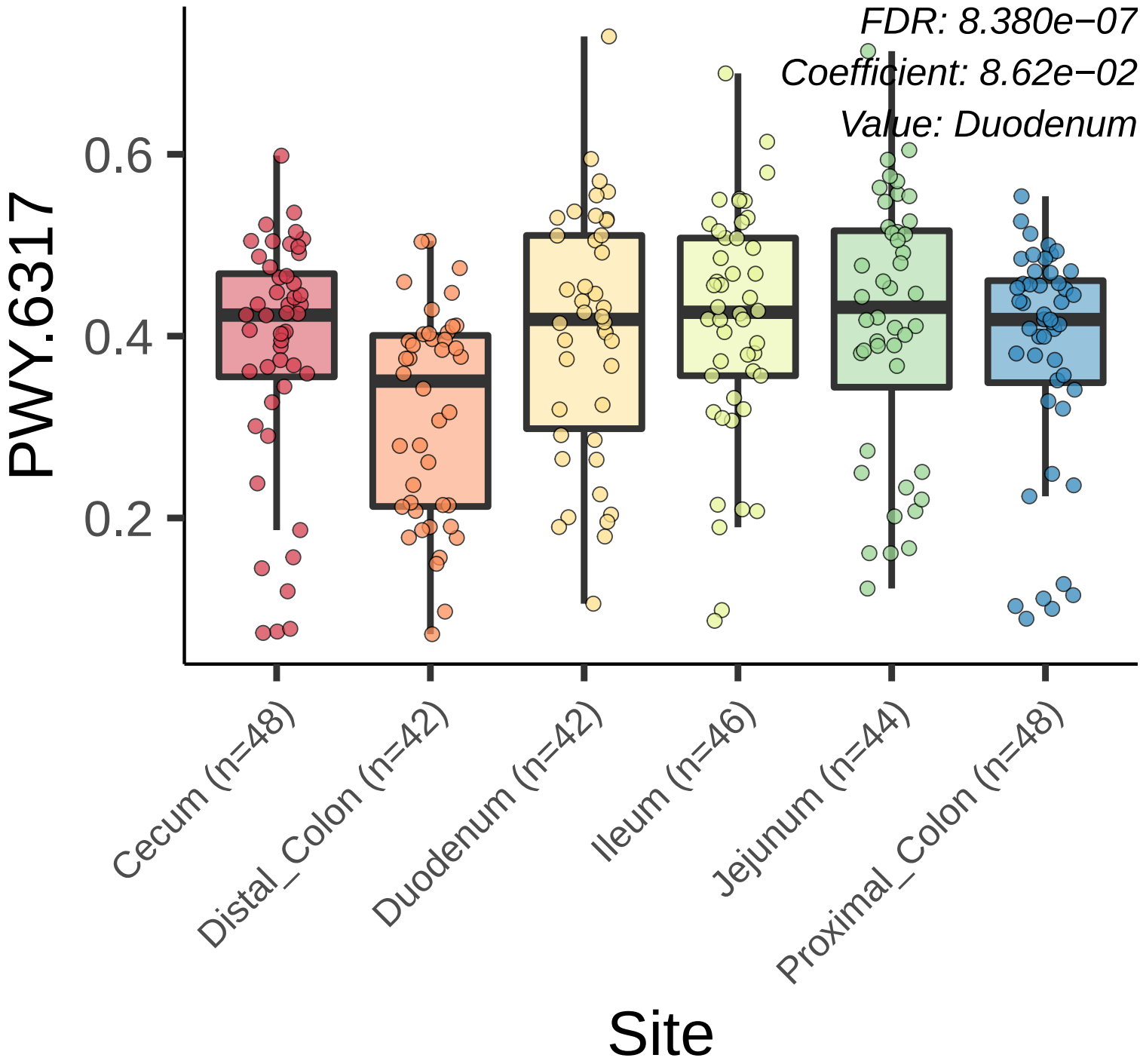

FDR: 6.642e−07
Coefficient: 1.02e−01
Value: Ileum
PWY0.1296
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

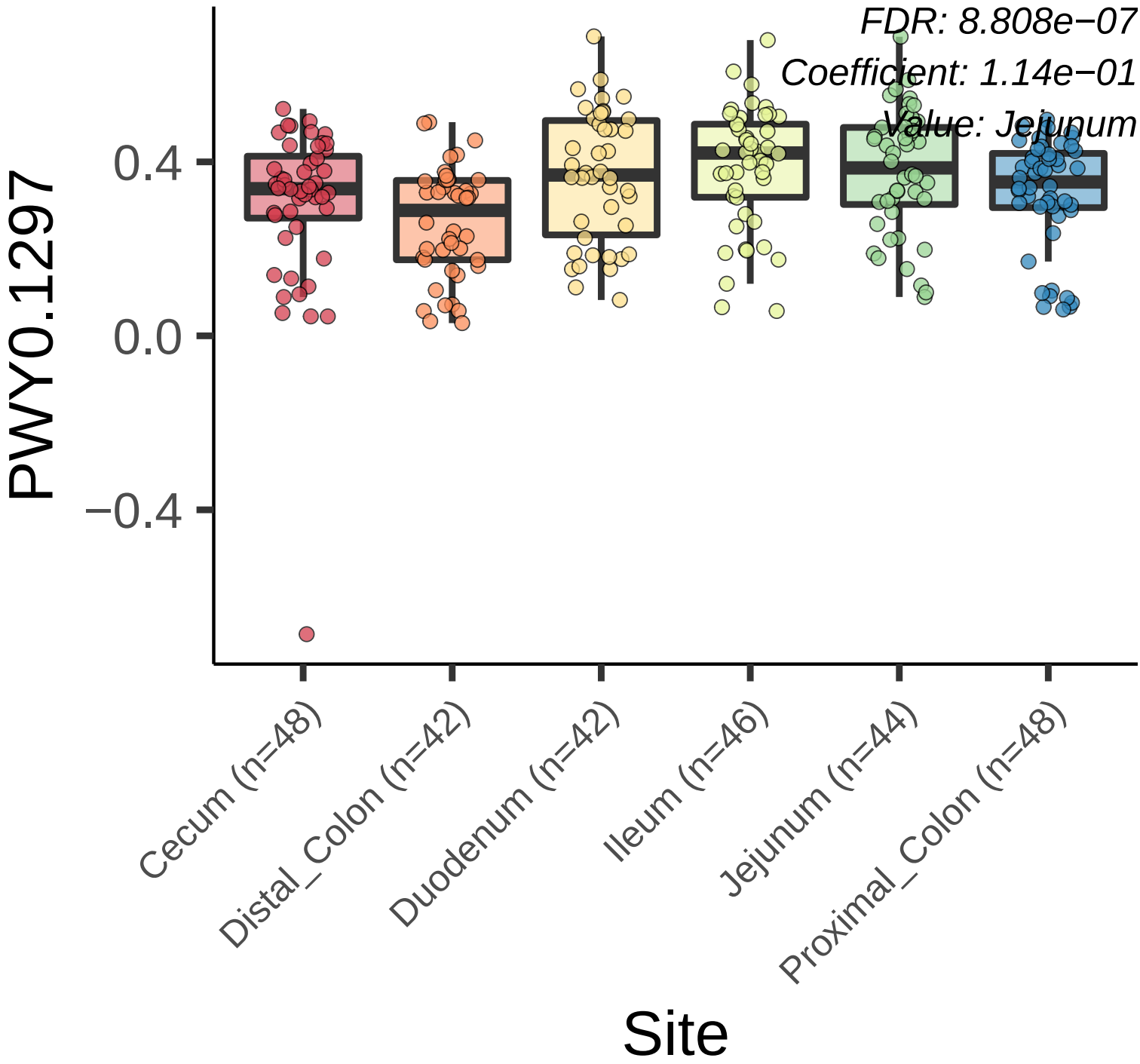

FDR: 7.036e−07
Coefficient: 1.80e−01
Value: Proximal_Colon
PWY.6897
0.6
0.3
0.0
−0.3
−0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

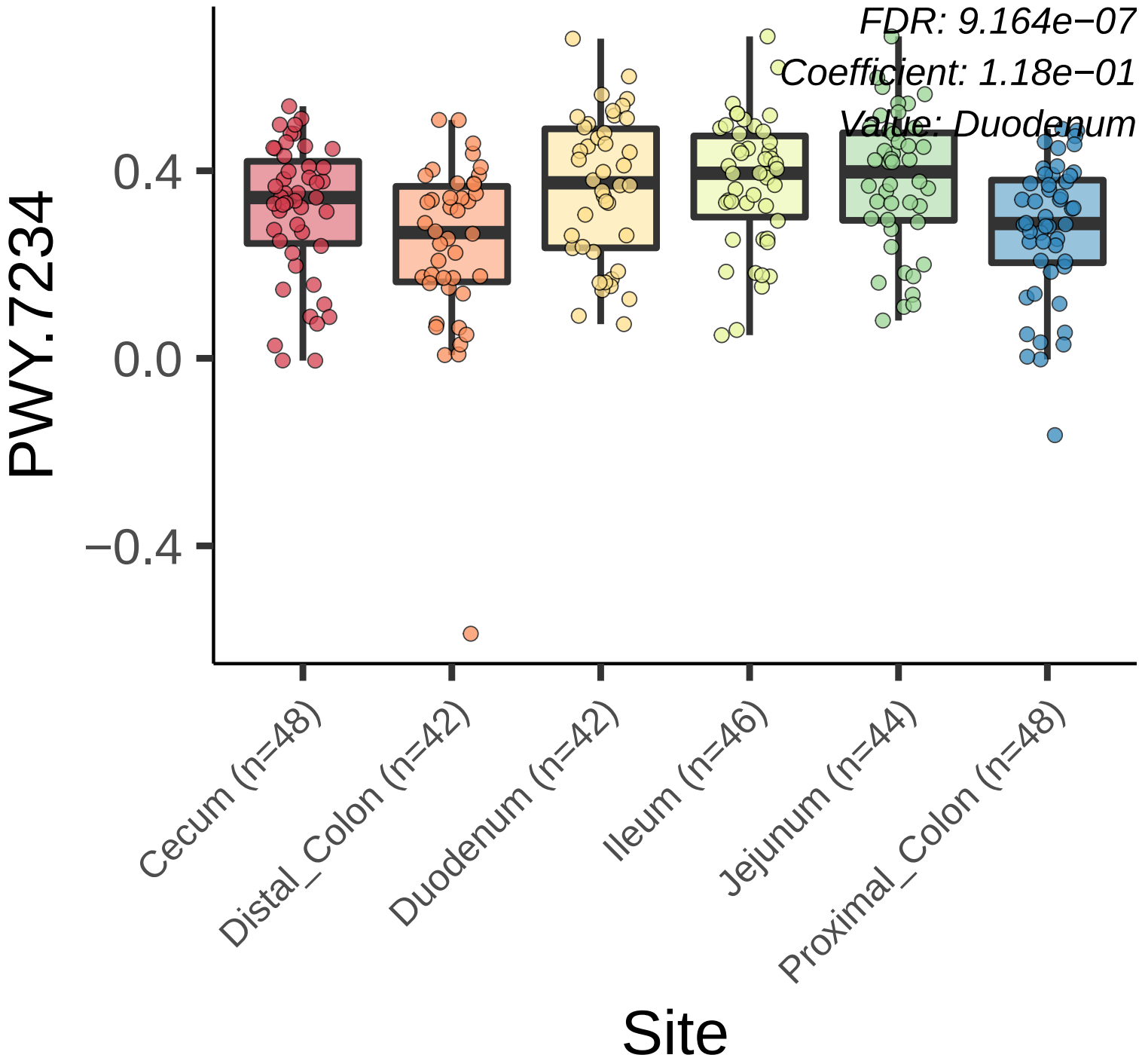

FDR: 7.185e−07
Coefficient: 7.98e−02
Value: Duodenum
GLUCONEO.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

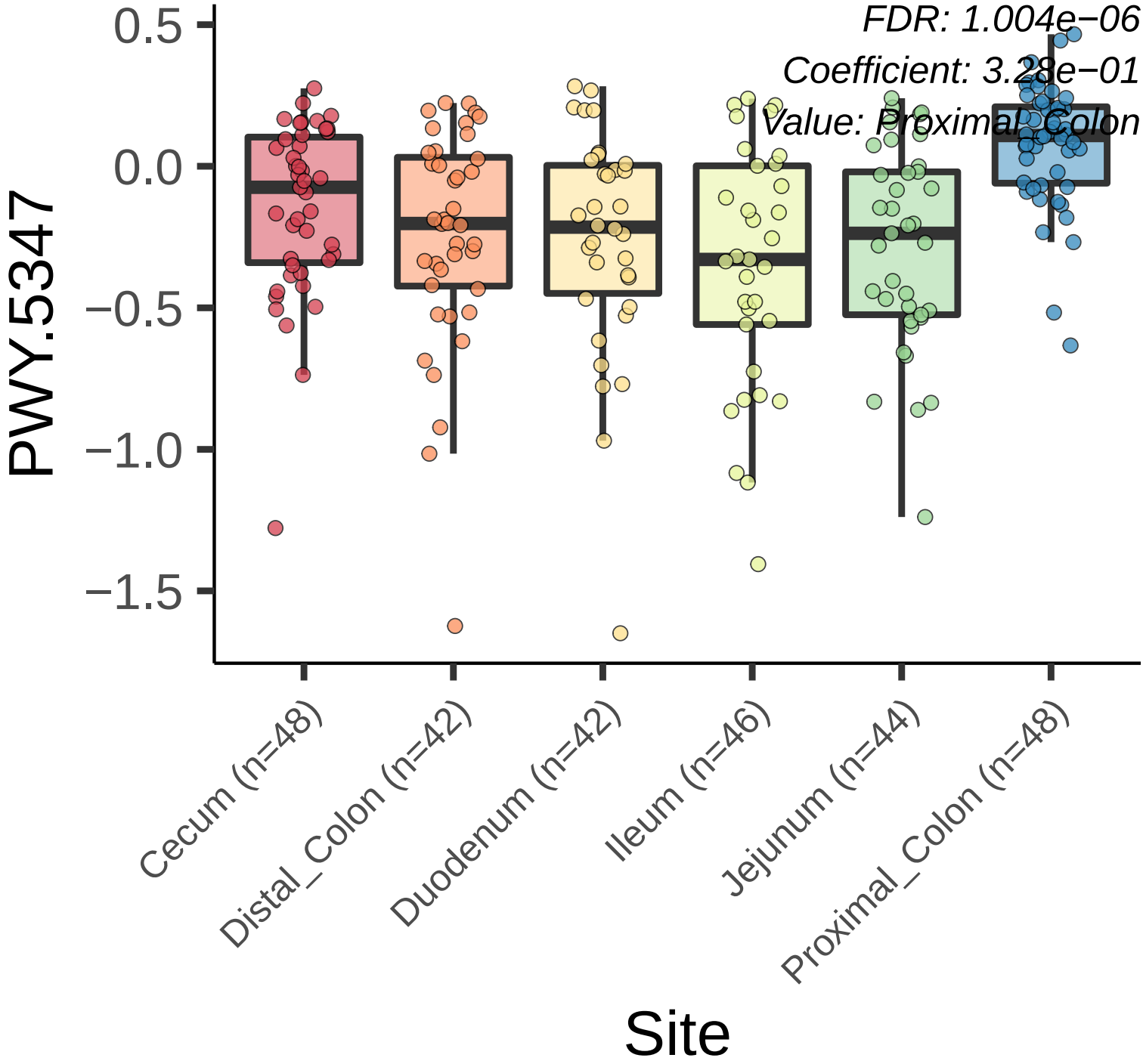

FDR: 7.666e−07
Coefficient: 1.15e−01
Value: Cecum
PWY.5103
0.6
0.4
0.2
0.0
−0.2
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

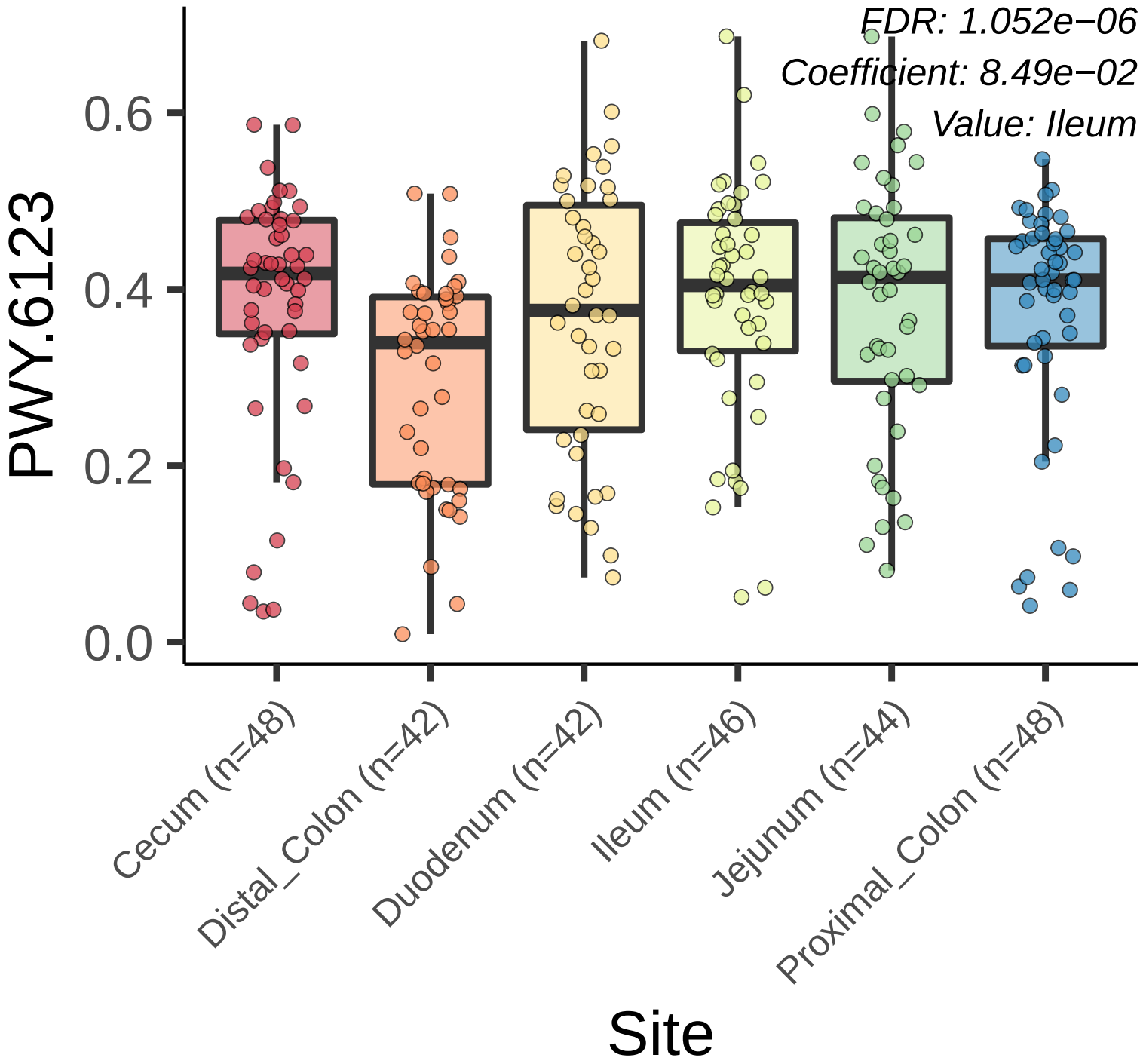

FDR: 7.704e−07
Coefficient: 7.64e−02
Value: Proximal_Colon
TRNA.CHARGING.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

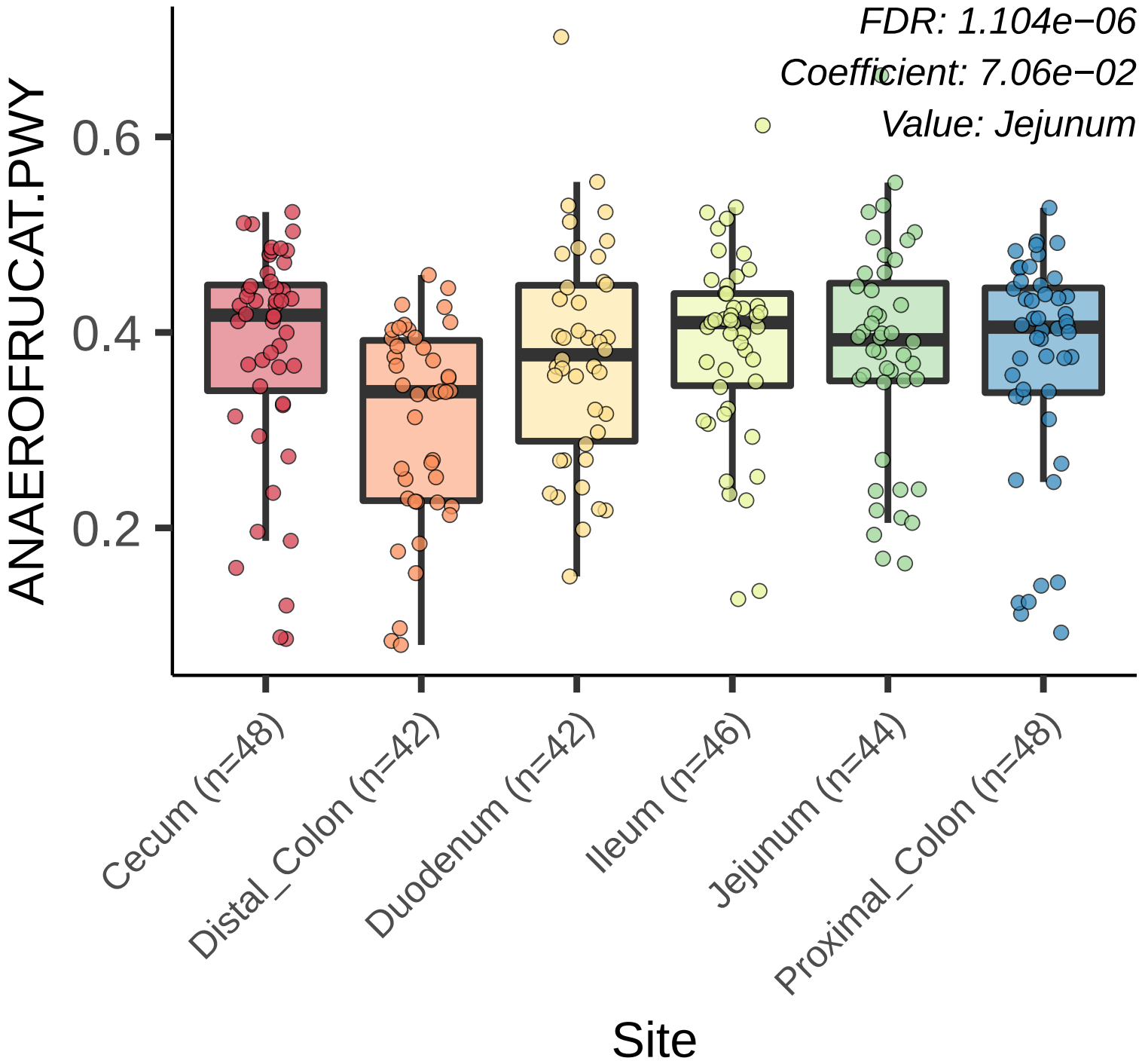

FDR: 8.380e−07
Coefficient: 8.62e−02
Value: Duodenum
PWY.6317
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

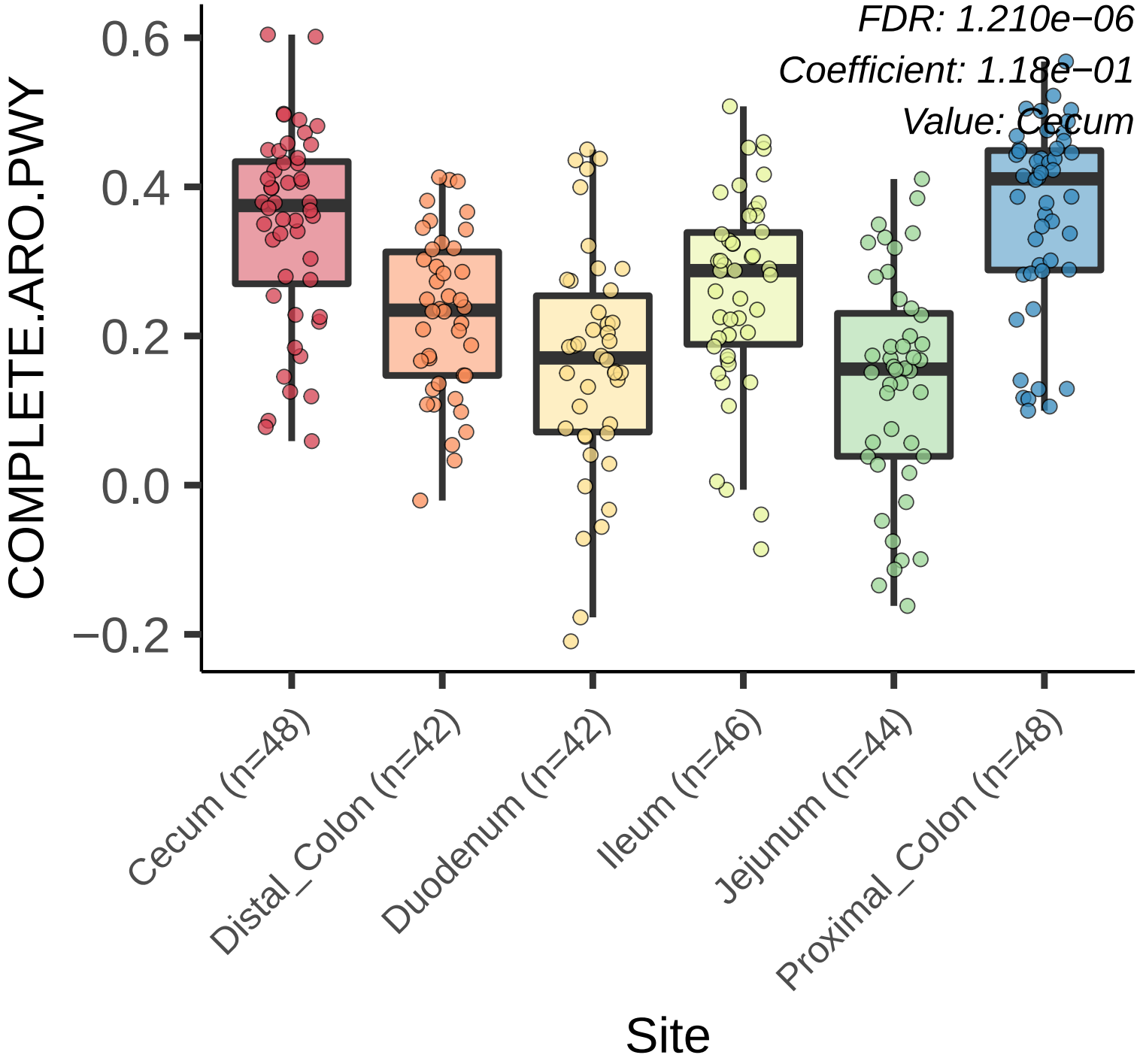

FDR: 8.808e−07
Coefficient: 1.14e−01
Value: Jejunum
PWY0.1297
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

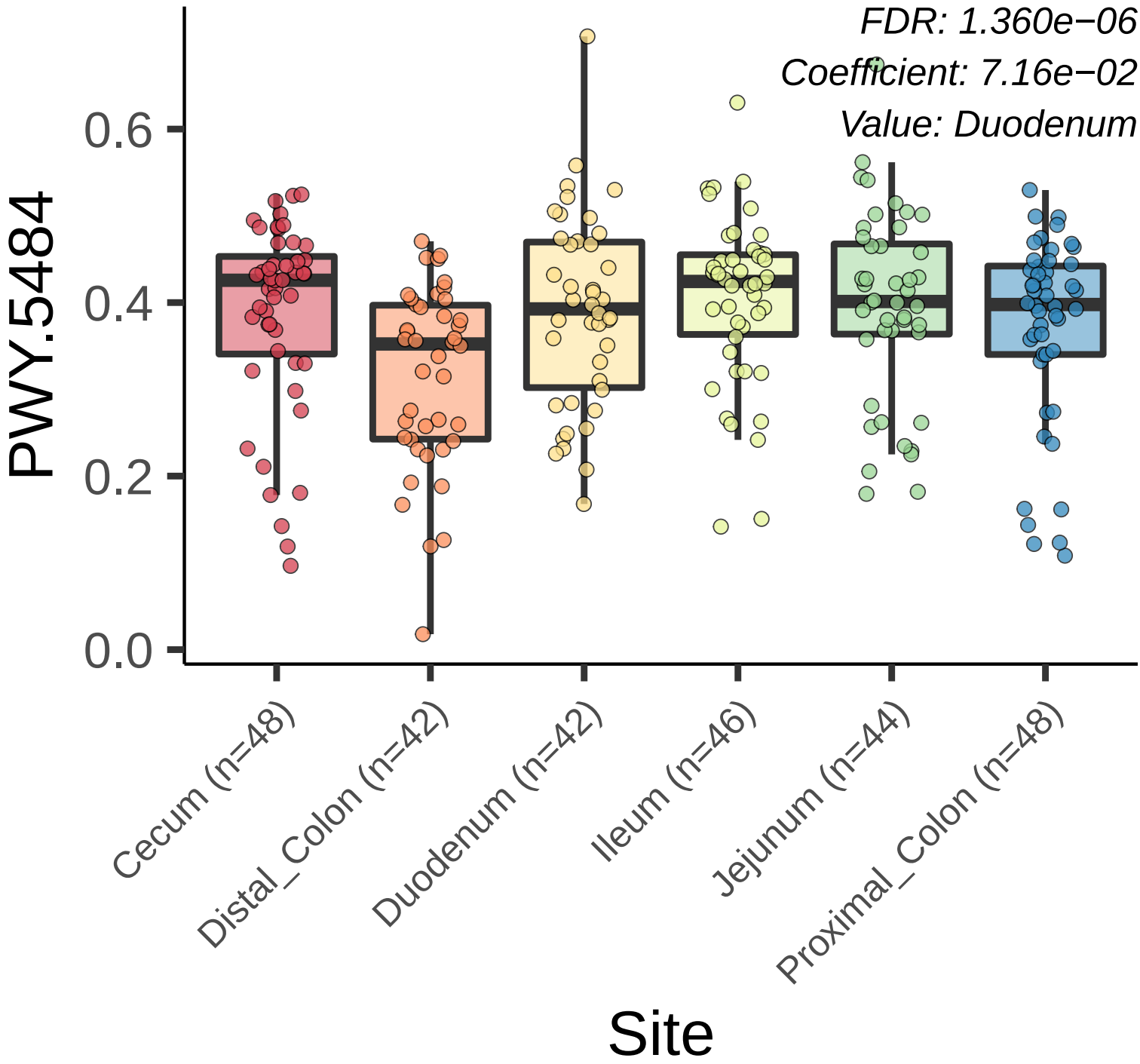

FDR: 9.164e−07
Coefficient: 1.18e−01
Value: Duodenum
PWY.7234
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

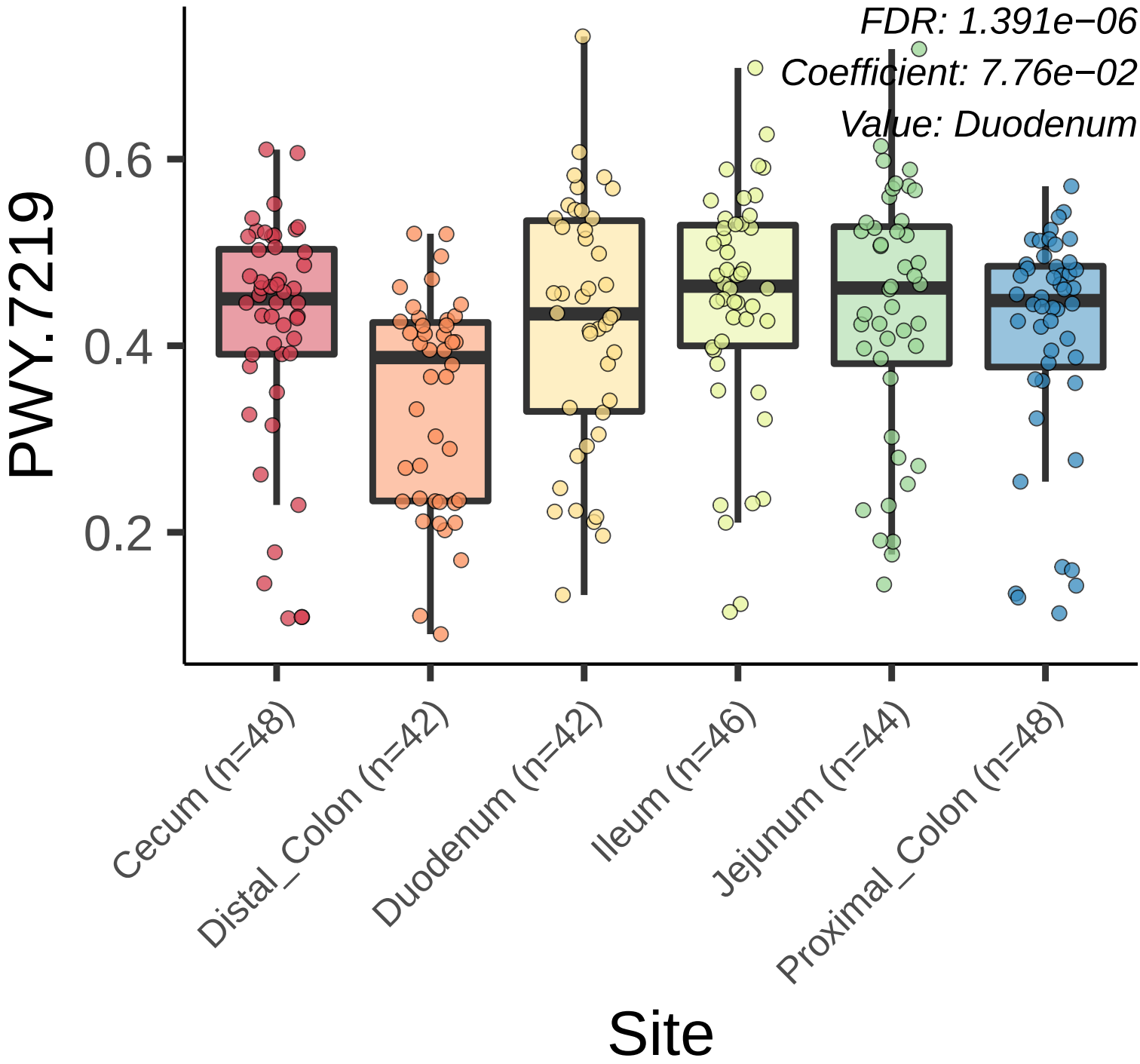

FDR: 1.004e−06
Coefficient: 3.28e−01
Value: Proximal_Colon
PWY.5347
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

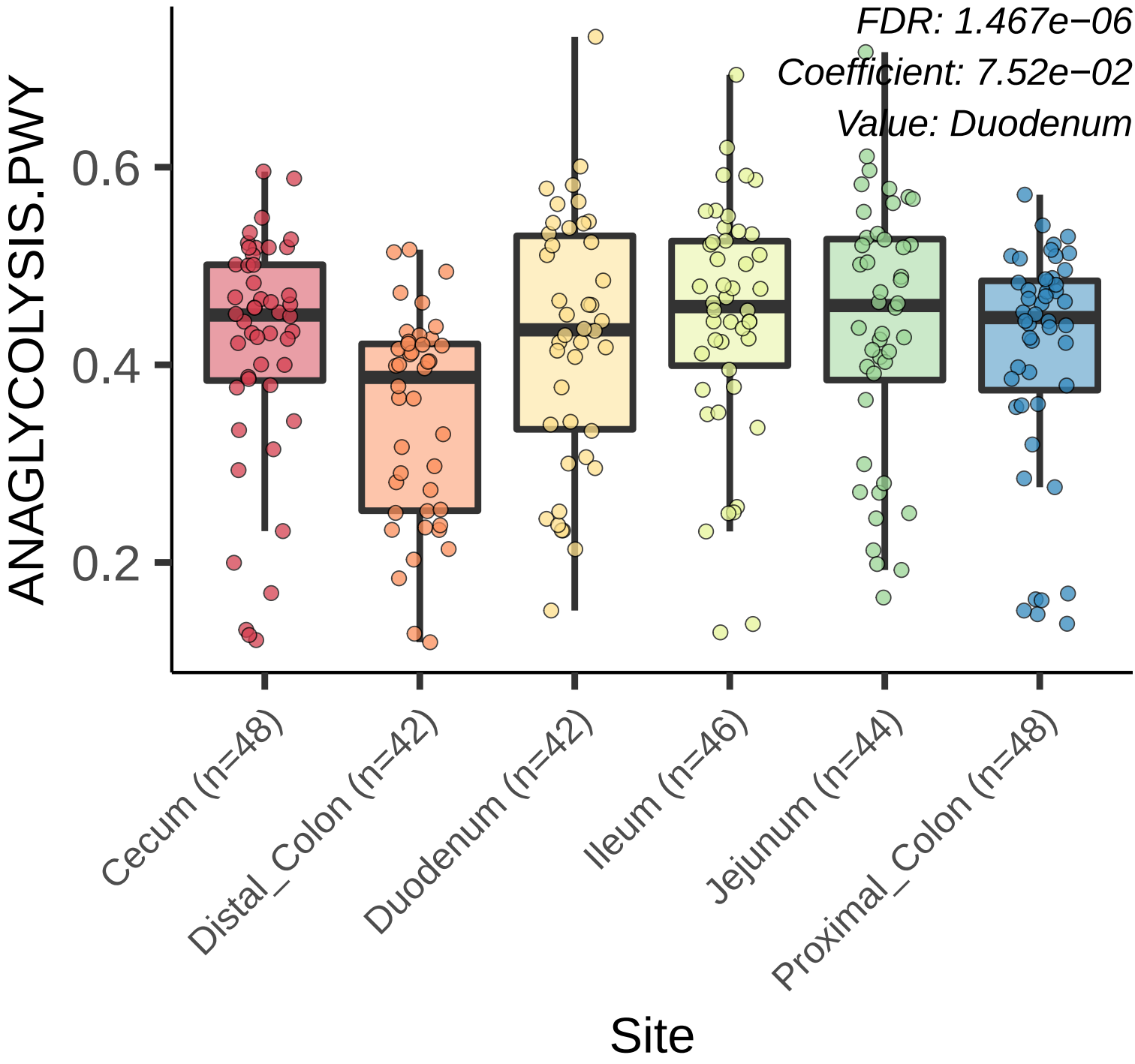

FDR: 1.052e−06
Coefficient: 8.49e−02
Value: Ileum
PWY.6123
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

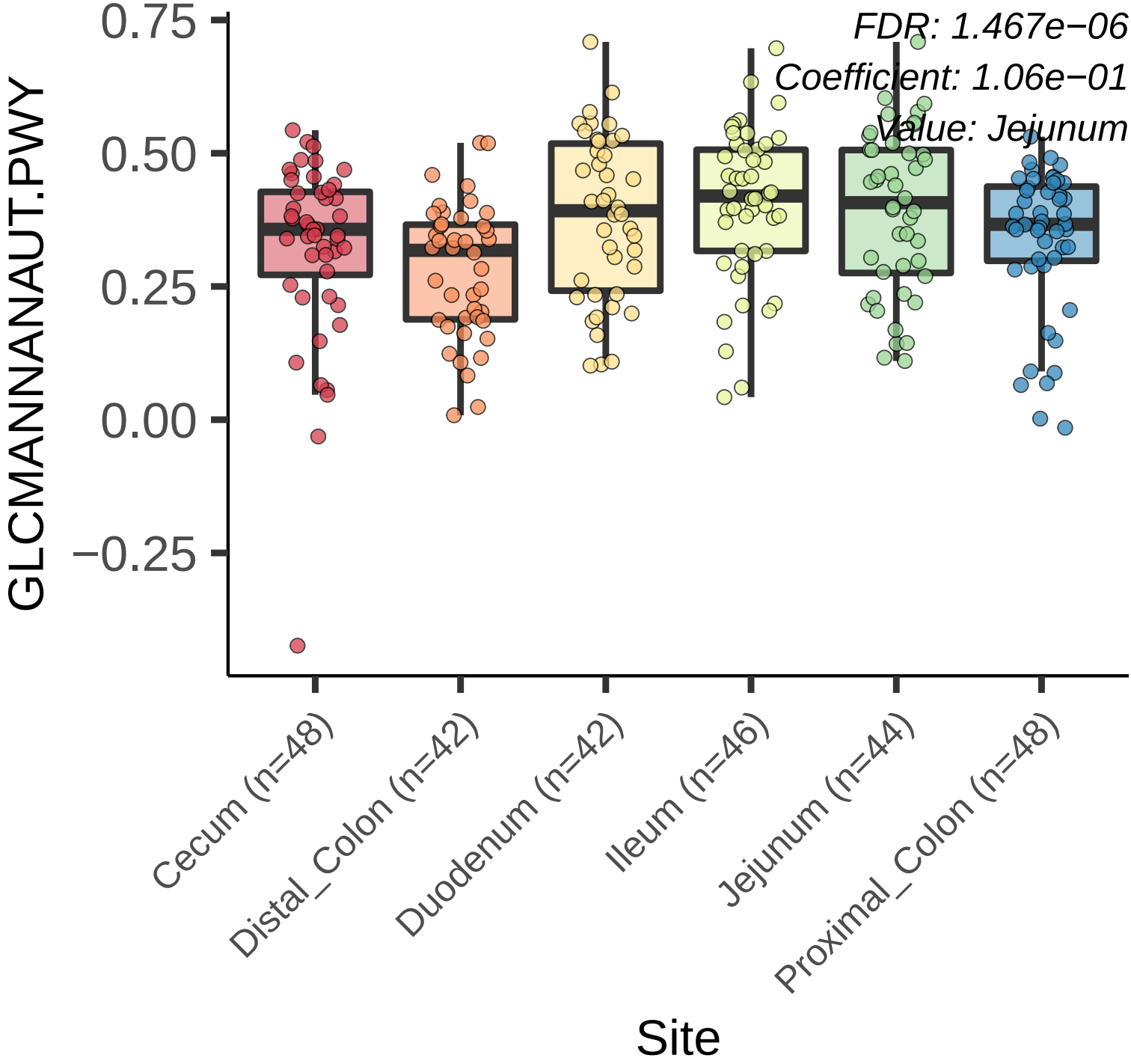

FDR: 1.104e−06
Coefficient: 7.06e−02
Value: Jejunum
ANAEROFRUCAT.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

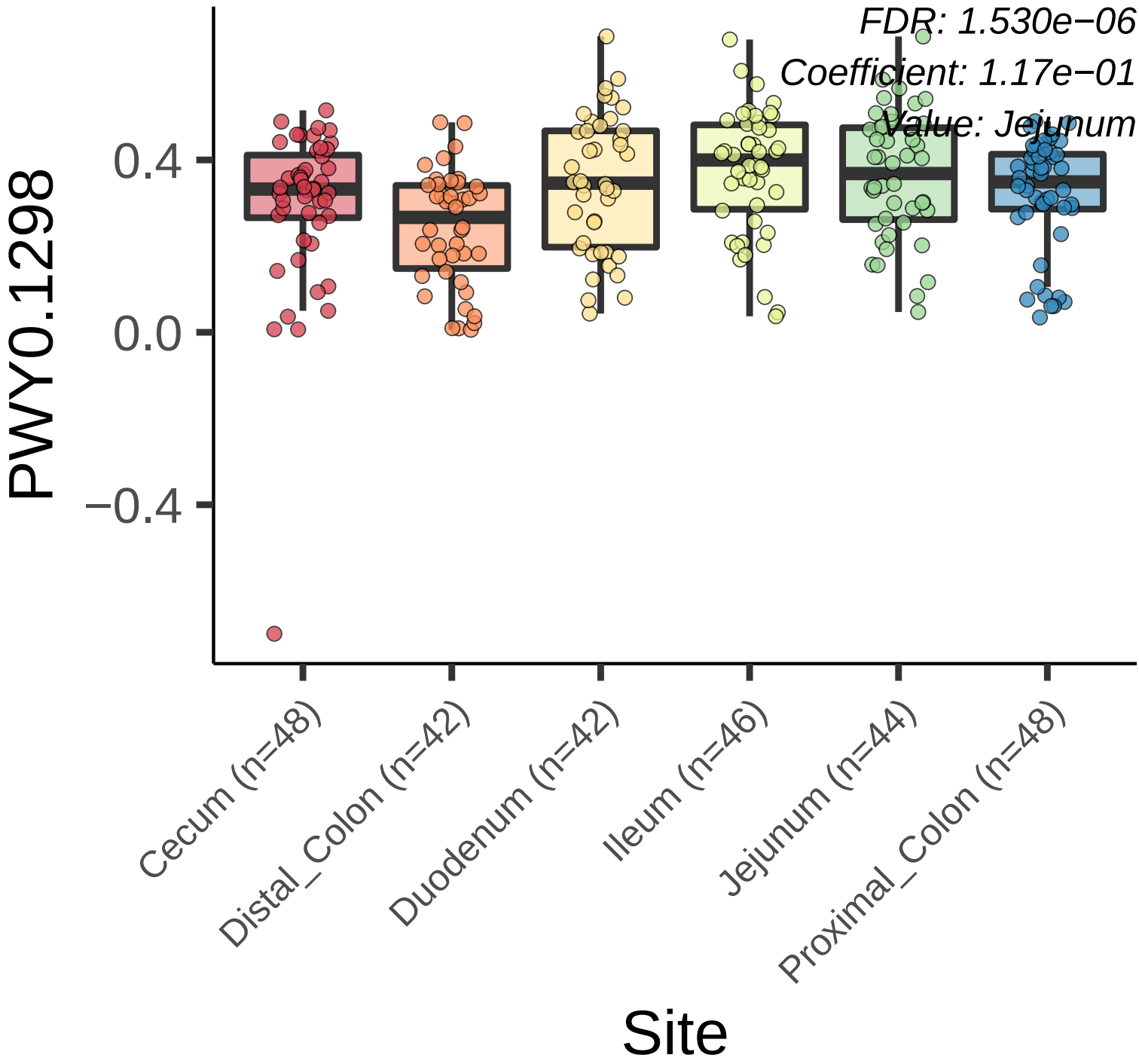

FDR: 1.210e−06
Coefficient: 1.18e−01
Value: Cecum
COMPLETE.ARO.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

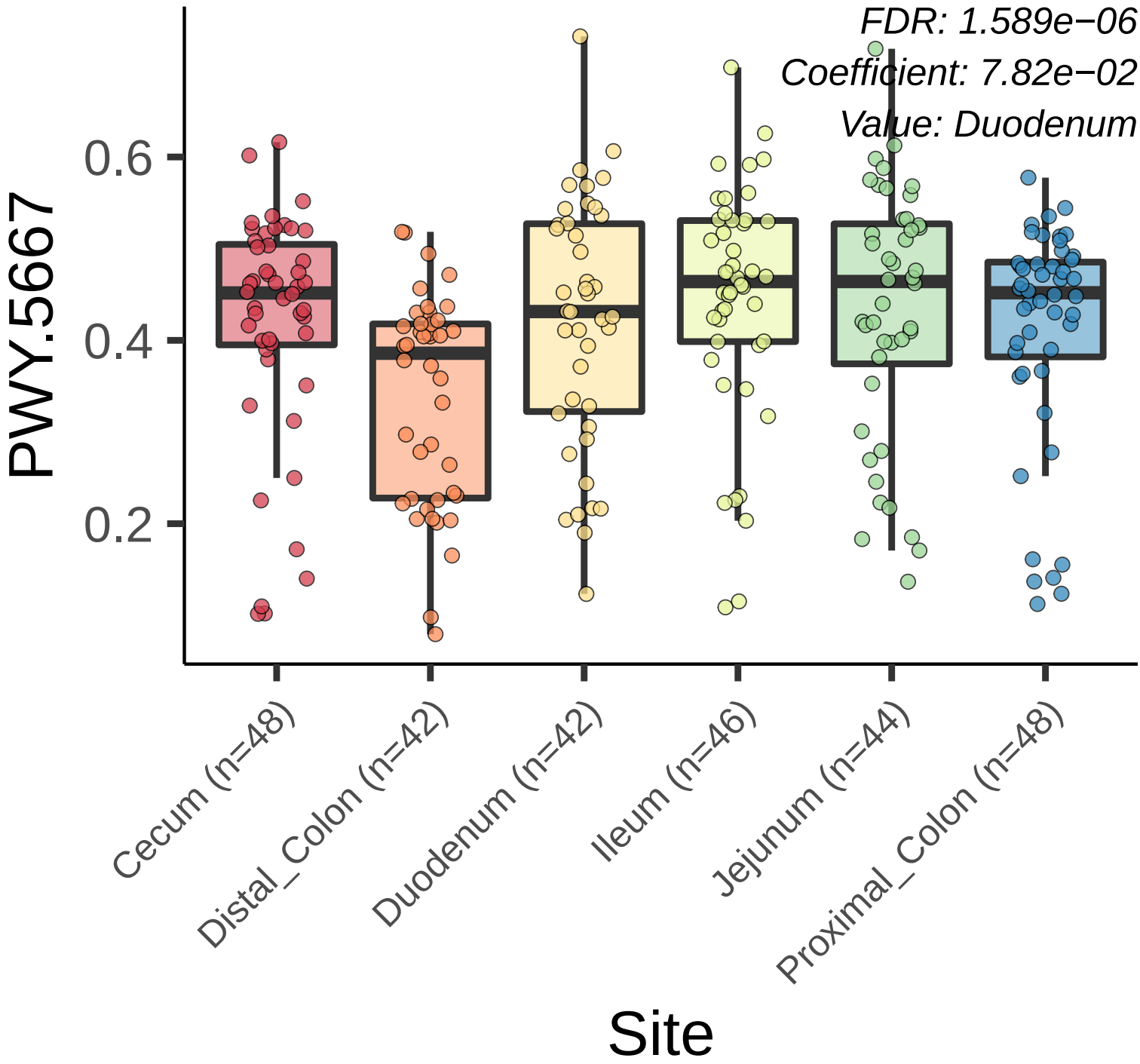

FDR: 1.360e−06
Coefficient: 7.16e−02
Value: Duodenum
PWY.5484
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

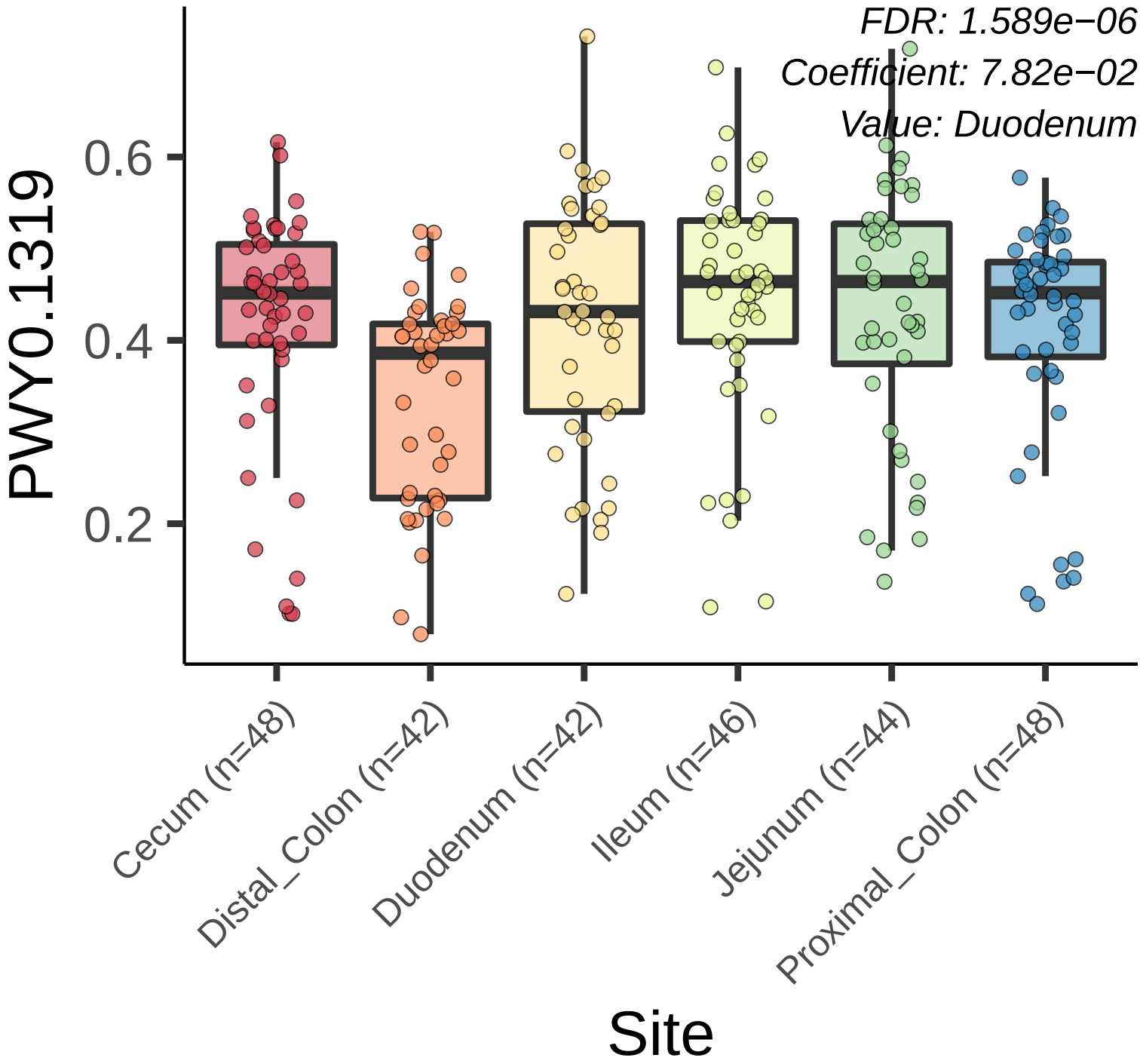

FDR: 1.391e−06
Coefficient: 7.76e−02
Value: Duodenum
PWY.7219
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

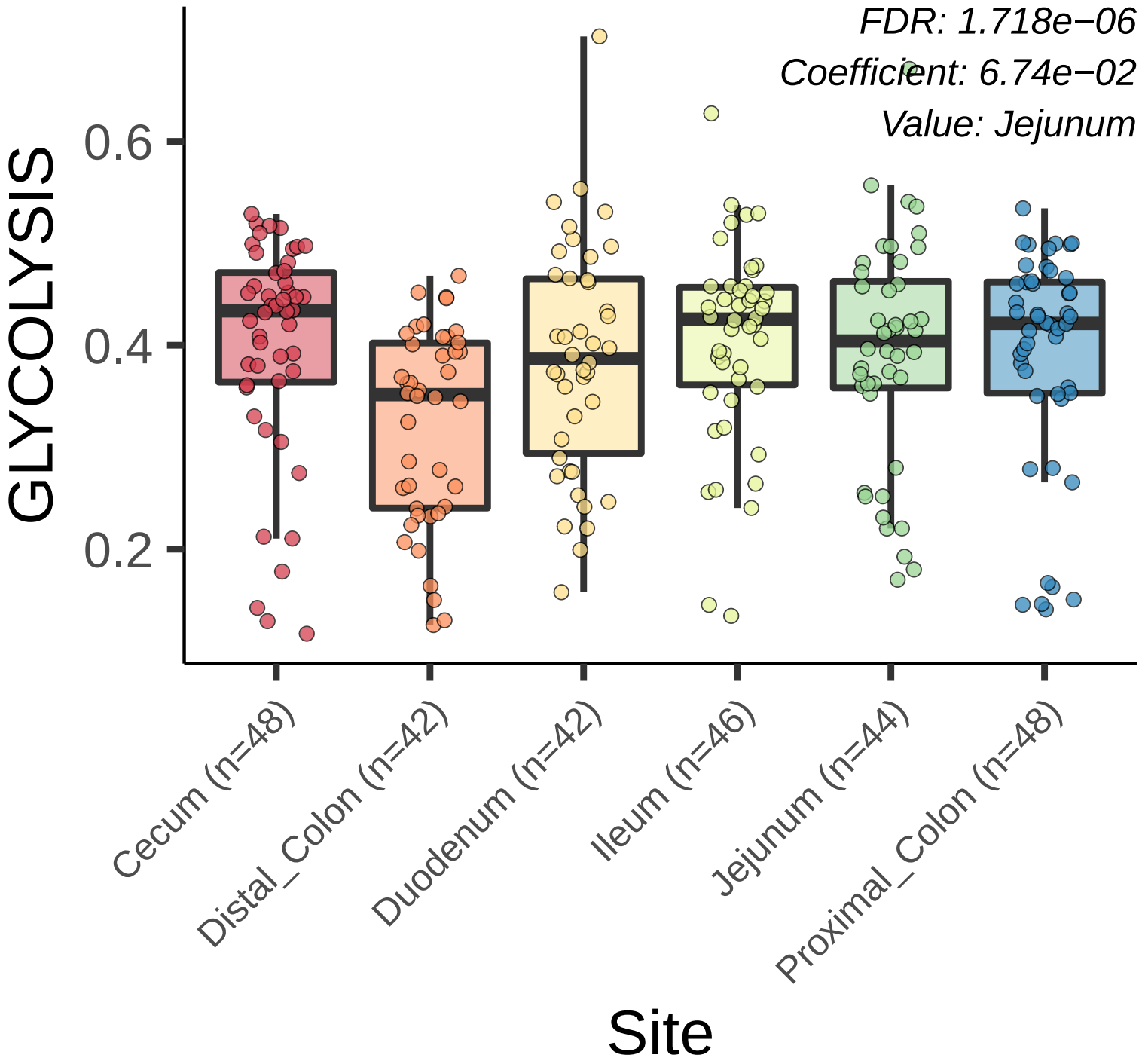

FDR: 1.467e−06
Coefficient: 7.52e−02
Value: Duodenum
ANAGLYCOLYSIS.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

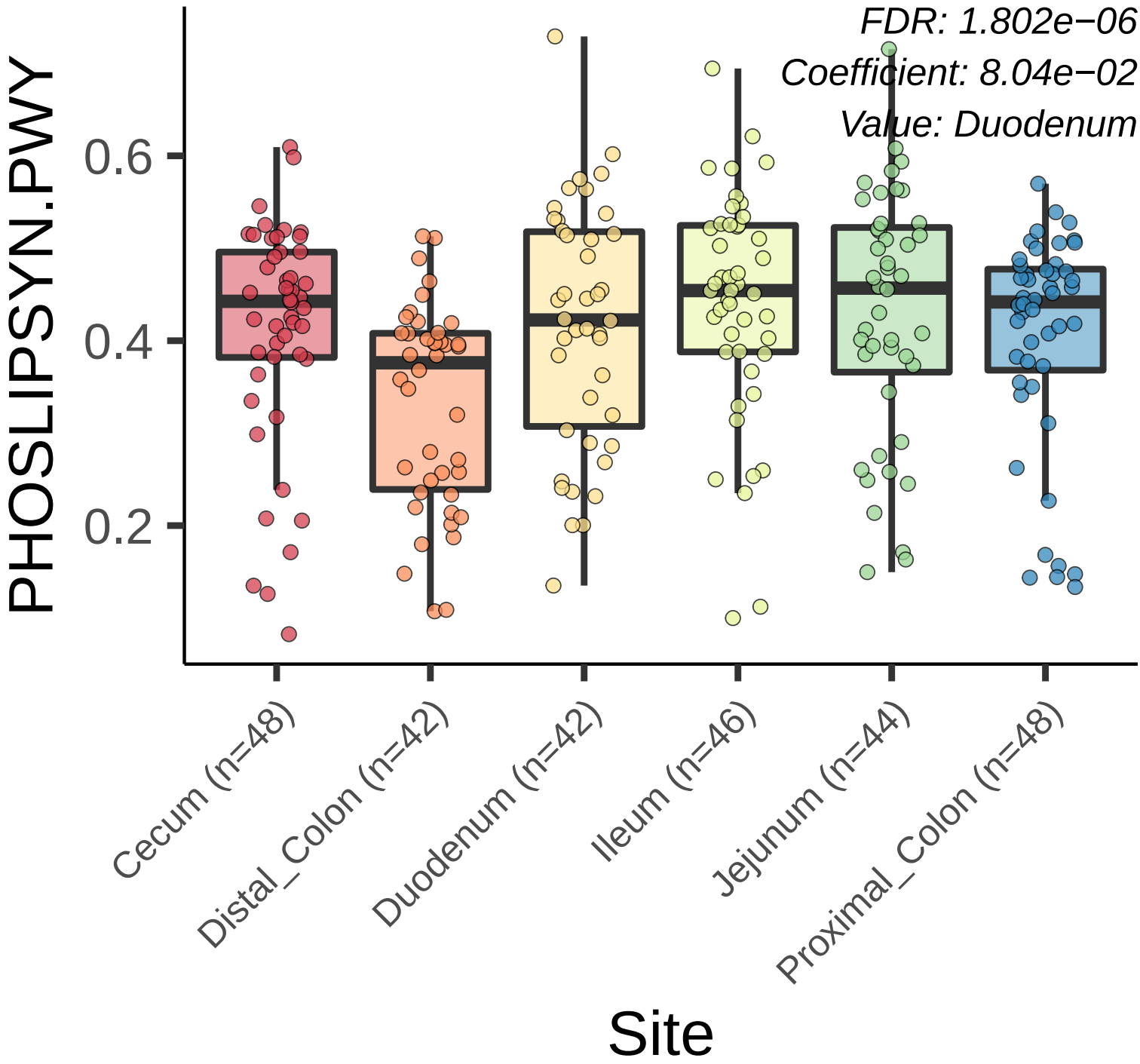

FDR: 1.467e−06
Coefficient: 1.06e−01
Value: Jejunum
GLCMANNANAUT.PWY
0.75
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

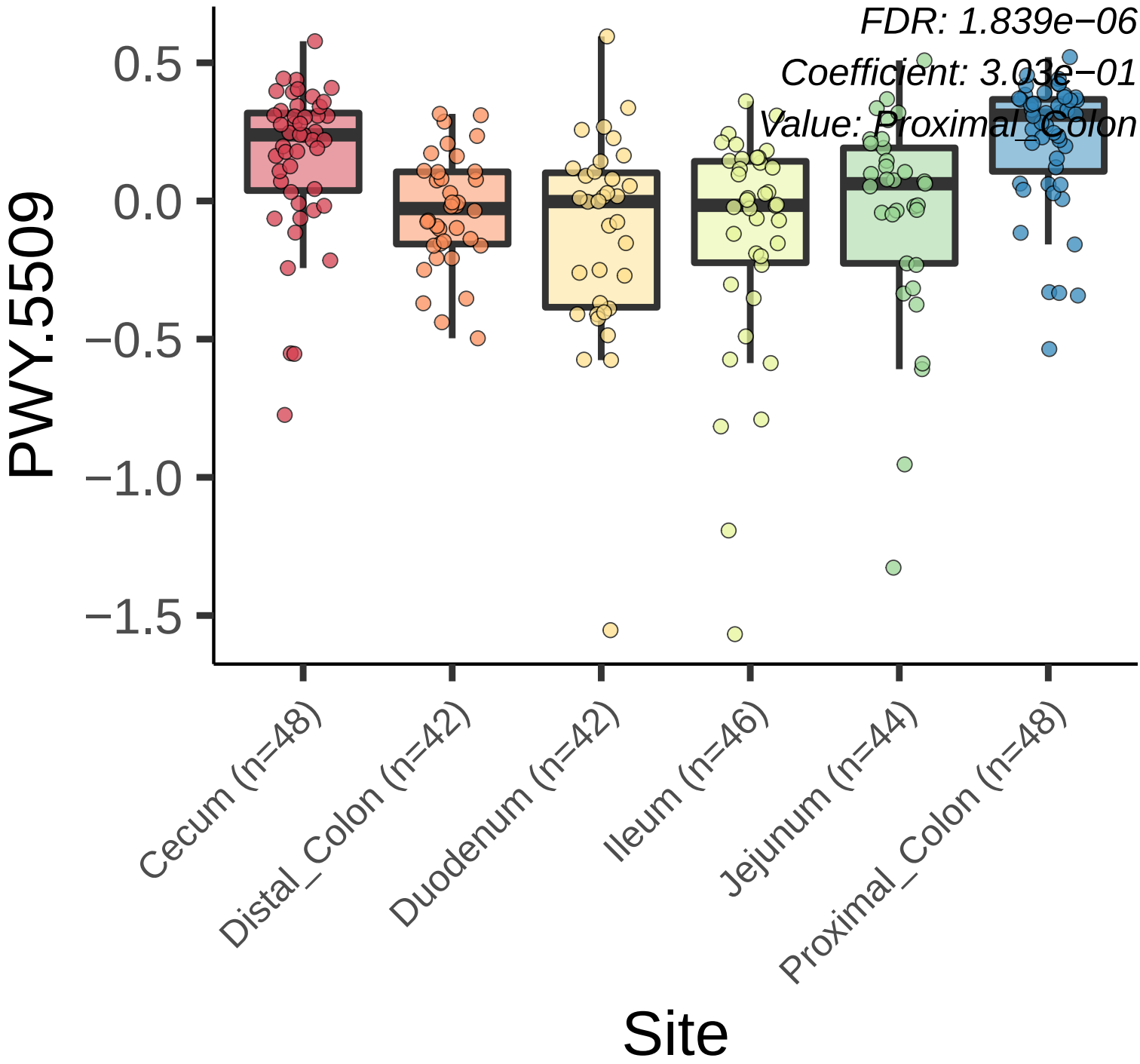

FDR: 1.530e−06
Coefficient: 1.17e−01
Value: Jejunum
PWY0.1298
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

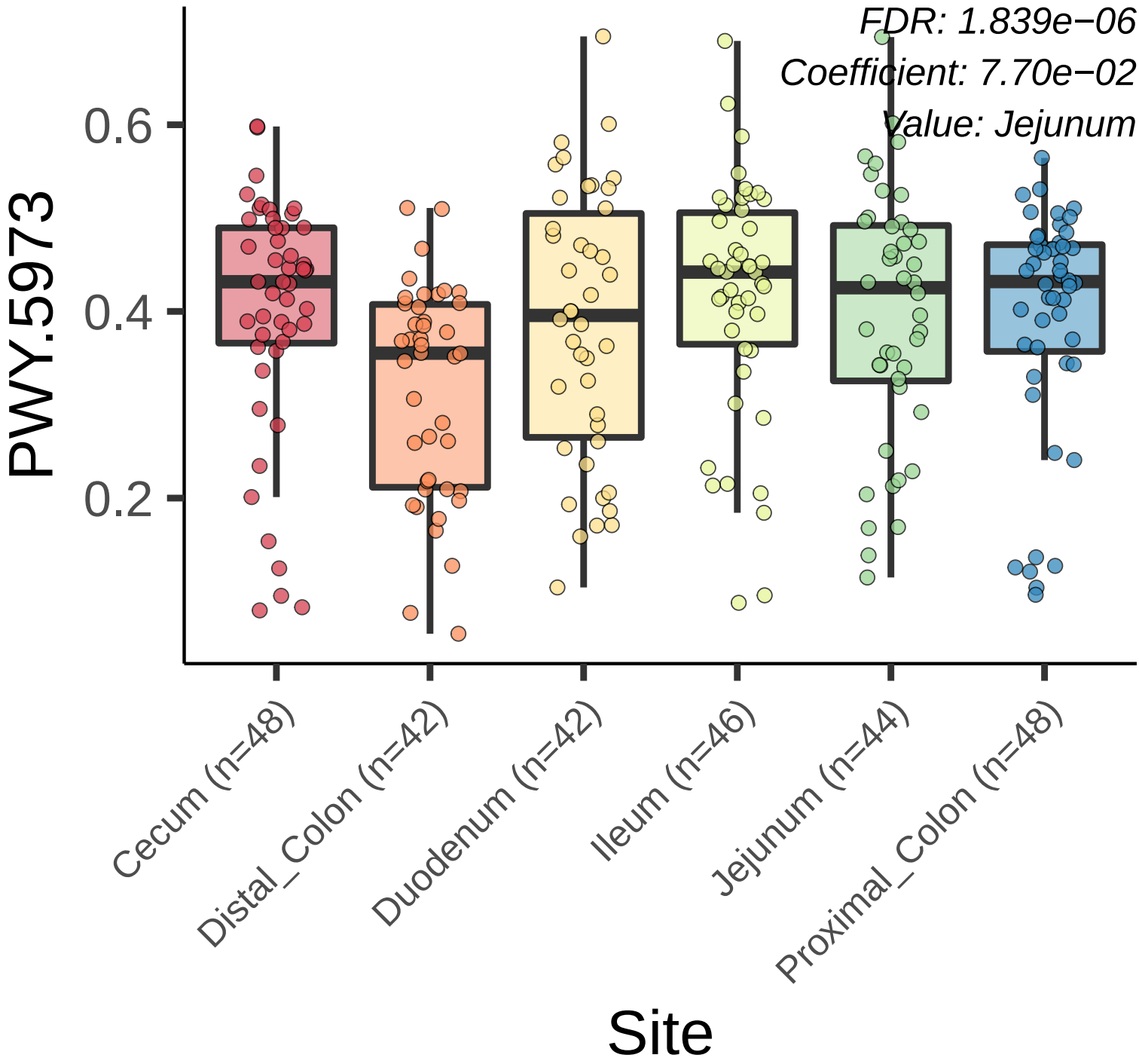

FDR: 1.589e−06
Coefficient: 7.82e−02
Value: Duodenum
PWY.5667
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

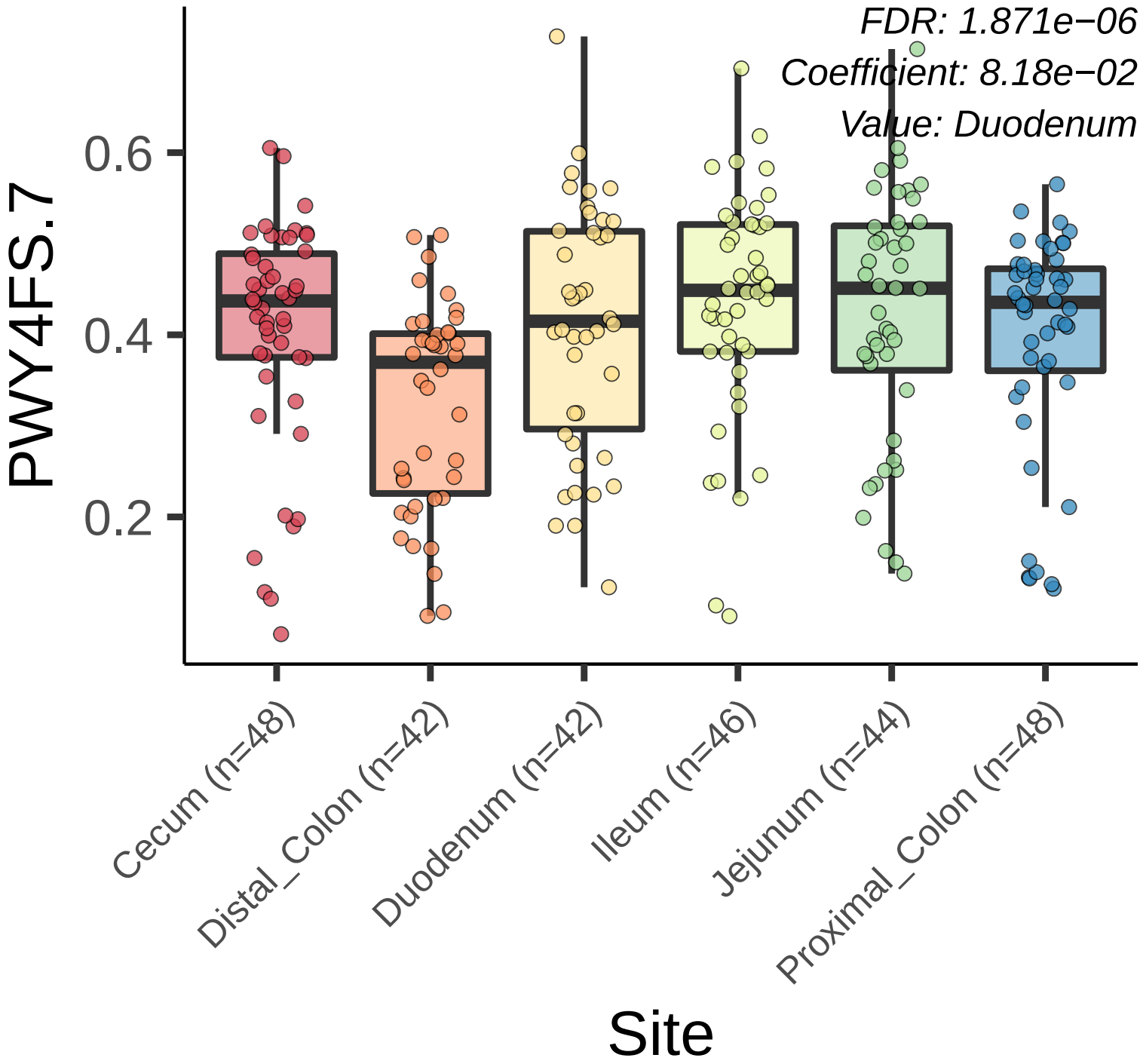

FDR: 1.589e−06
Coefficient: 7.82e−02
Value: Duodenum
PWY0.1319
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

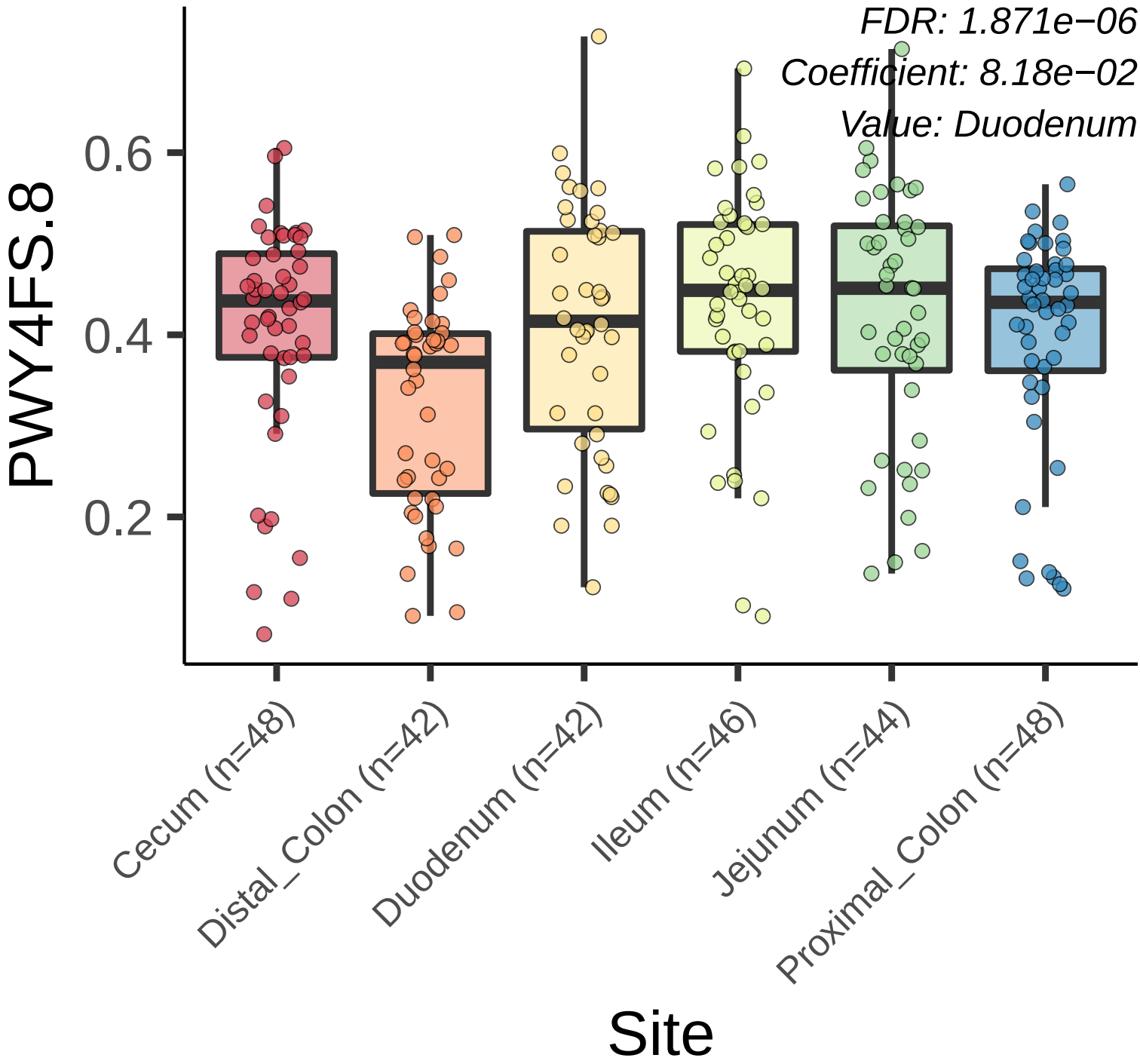

FDR: 1.718e−06
Coefficient: 6.74e−02
Value: Jejunum
GLYCOLYSIS
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

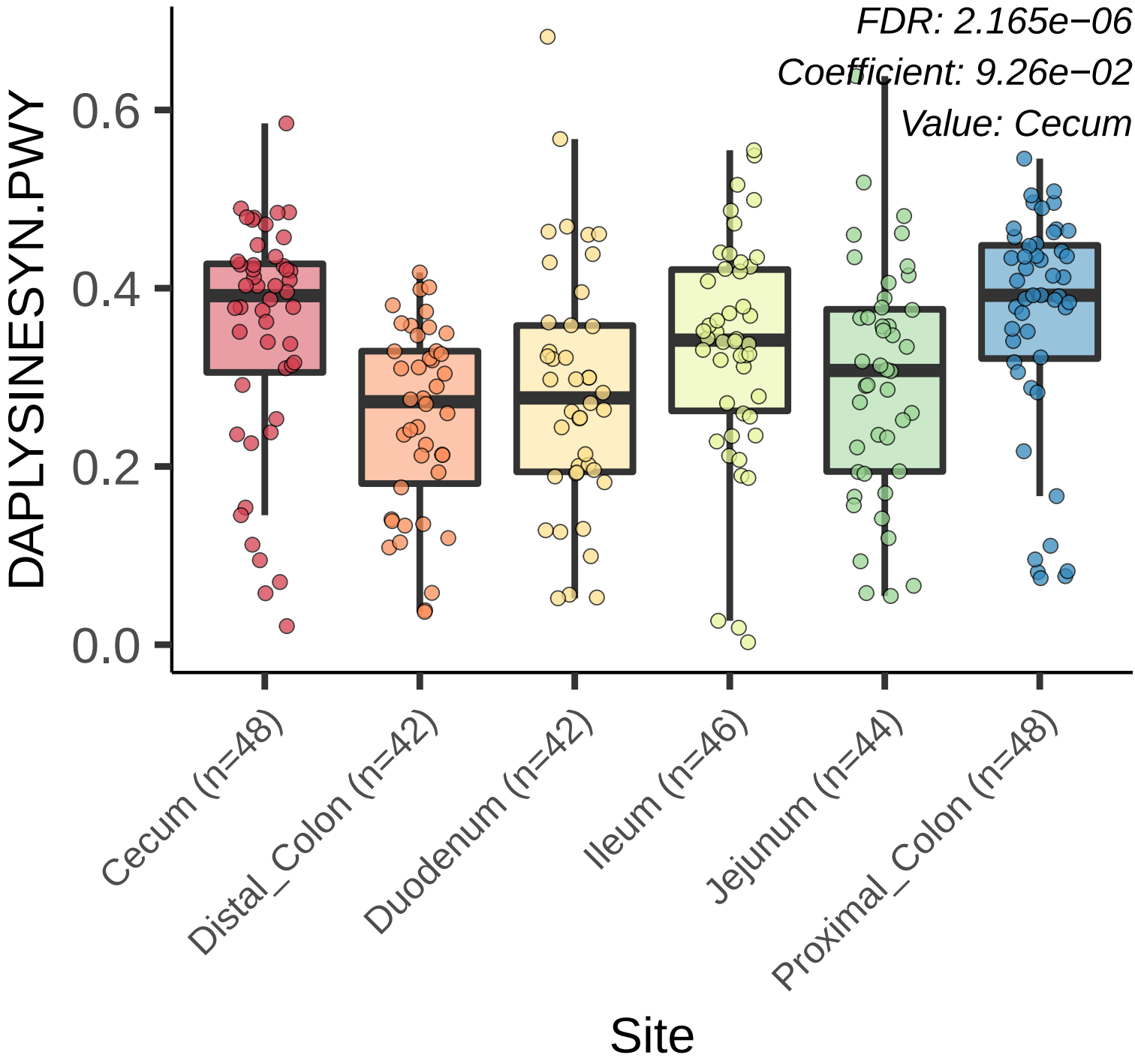

FDR: 1.802e−06
Coefficient: 8.04e−02
Value: Duodenum
PHOSLIPSYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

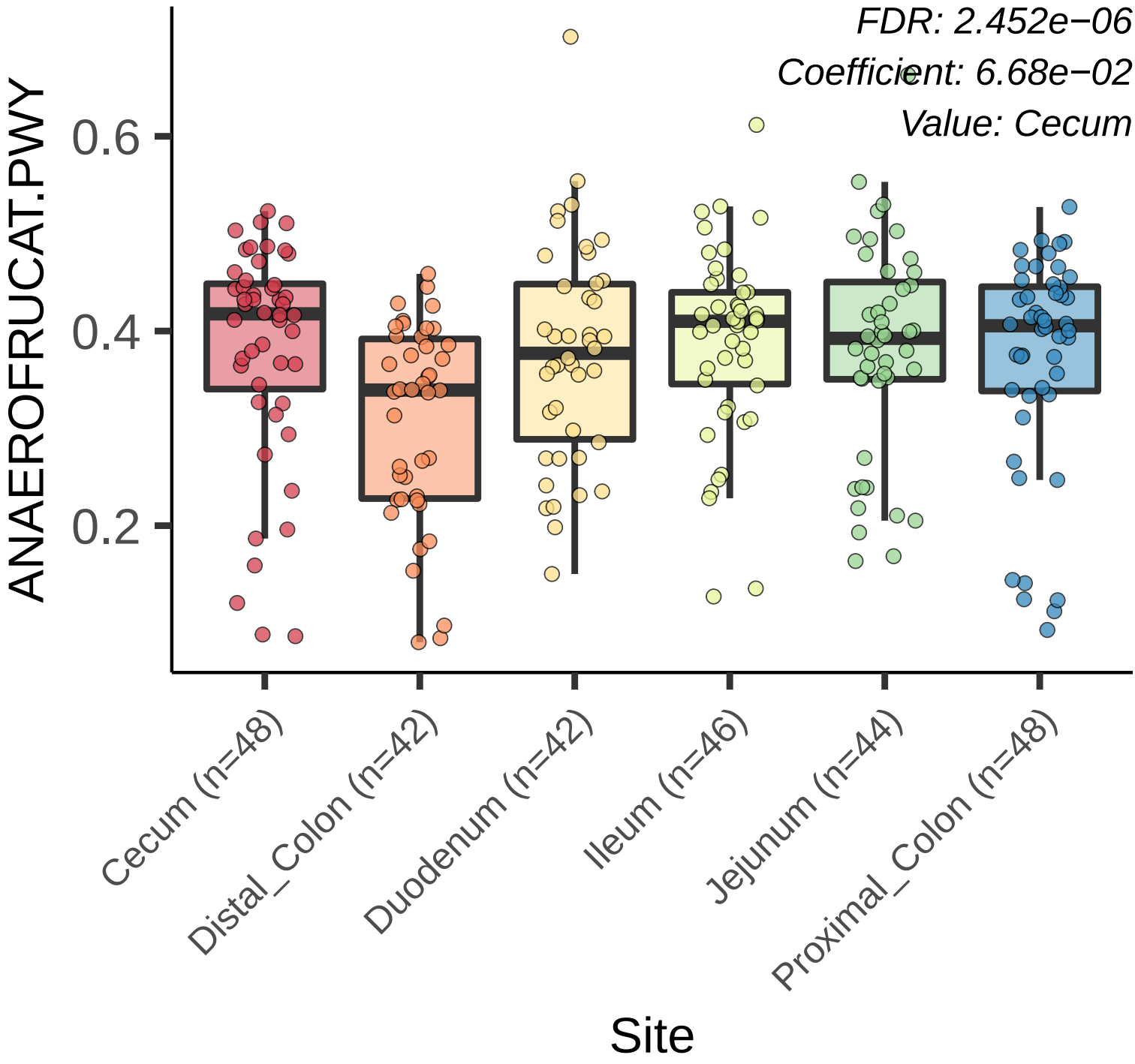

FDR: 1.839e−06
Coefficient: 3.03e−01
Value: Proximal_Colon
PWY.5509
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

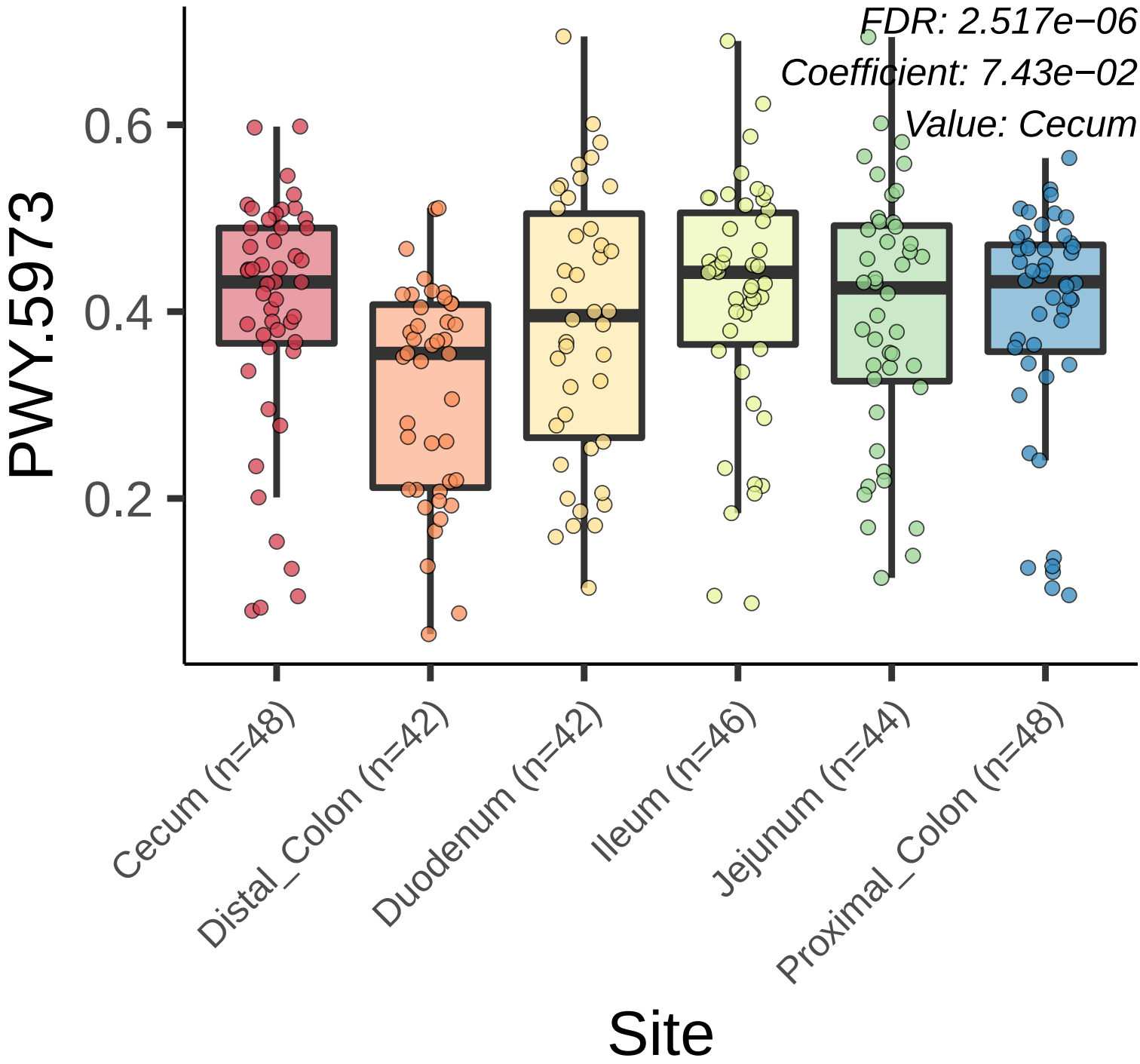

FDR: 1.839e−06
Coefficient: 7.70e−02
Value: Jejunum
PWY.5973
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

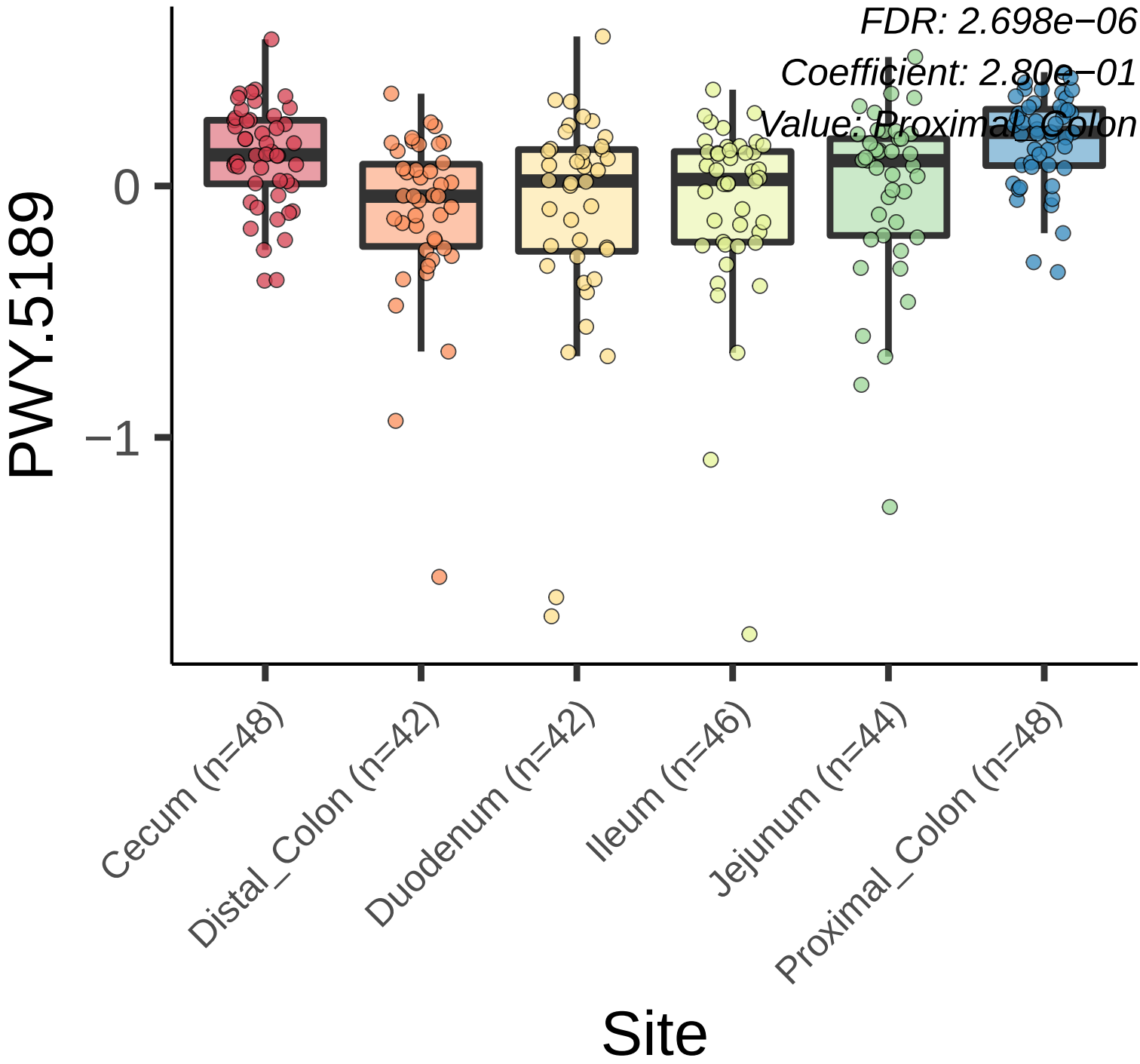

FDR: 1.871e−06
Coefficient: 8.18e−02
Value: Duodenum
PWY4FS.7
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

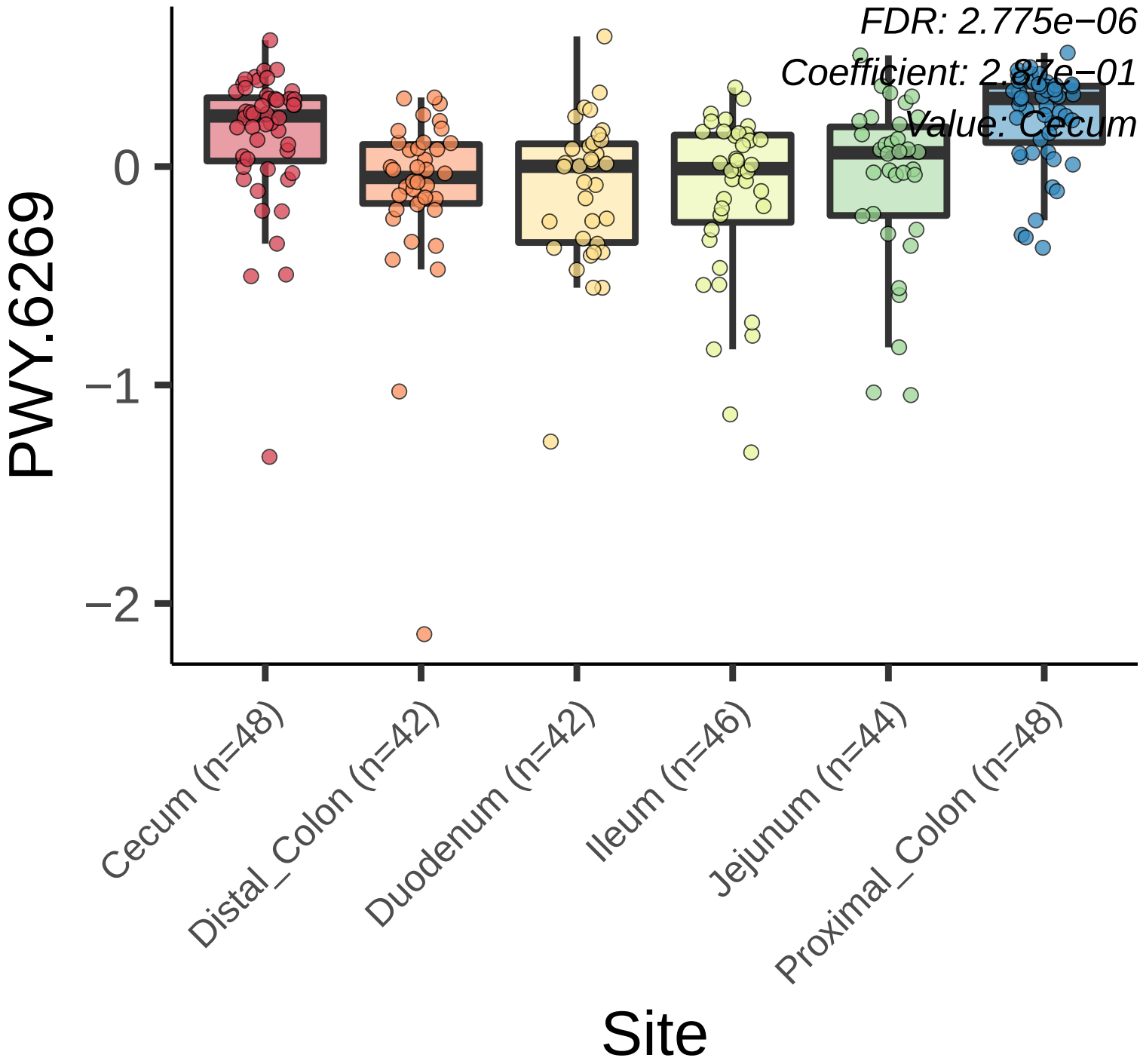

FDR: 1.871e−06
Coefficient: 8.18e−02
Value: Duodenum
PWY4FS.8
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

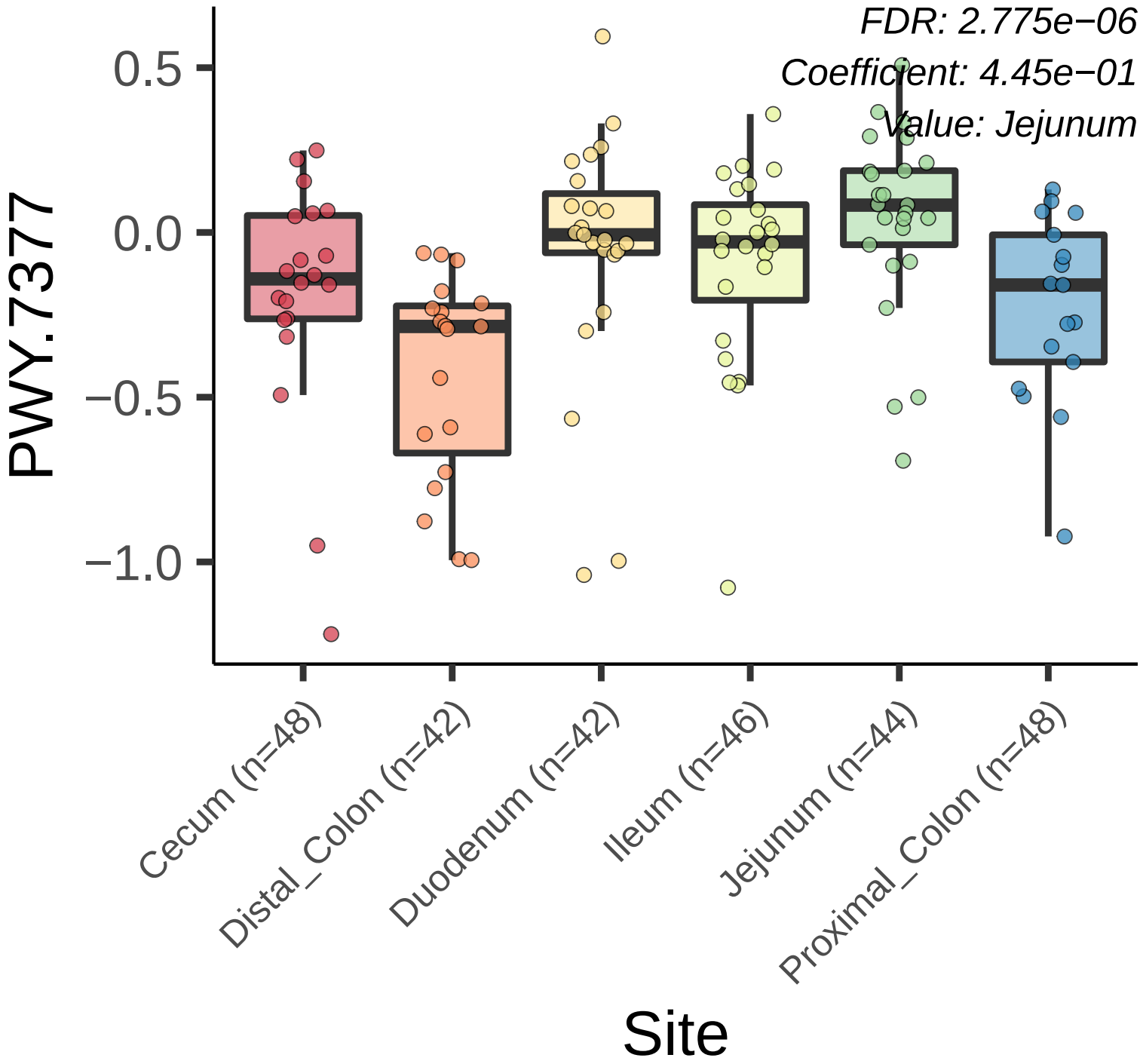

FDR: 2.165e−06
Coefficient: 9.26e−02
Value: Cecum
DAPLYSINESYN.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

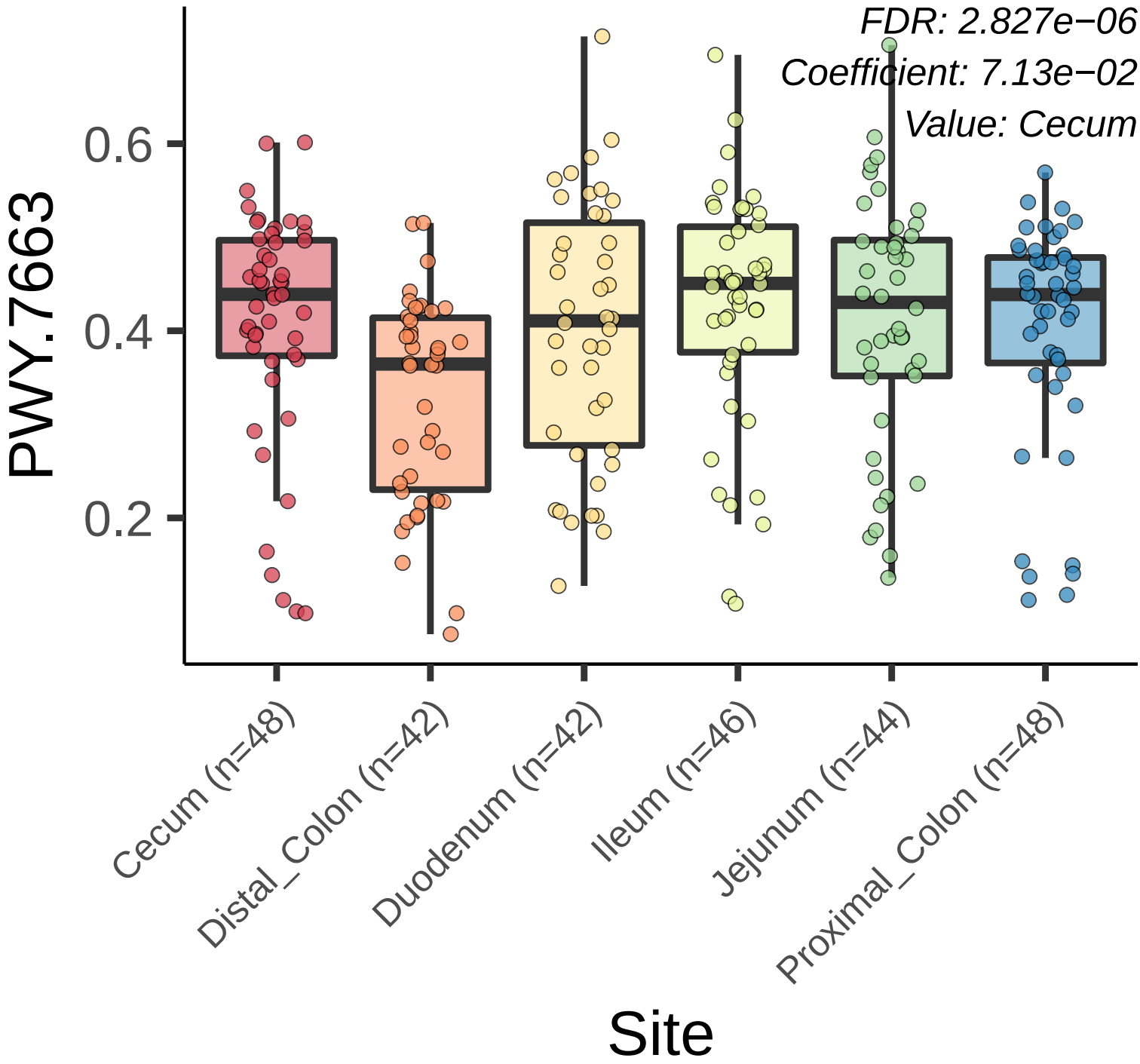

FDR: 2.452e−06
Coefficient: 6.68e−02
Value: Cecum
ANAEROFRUCAT.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

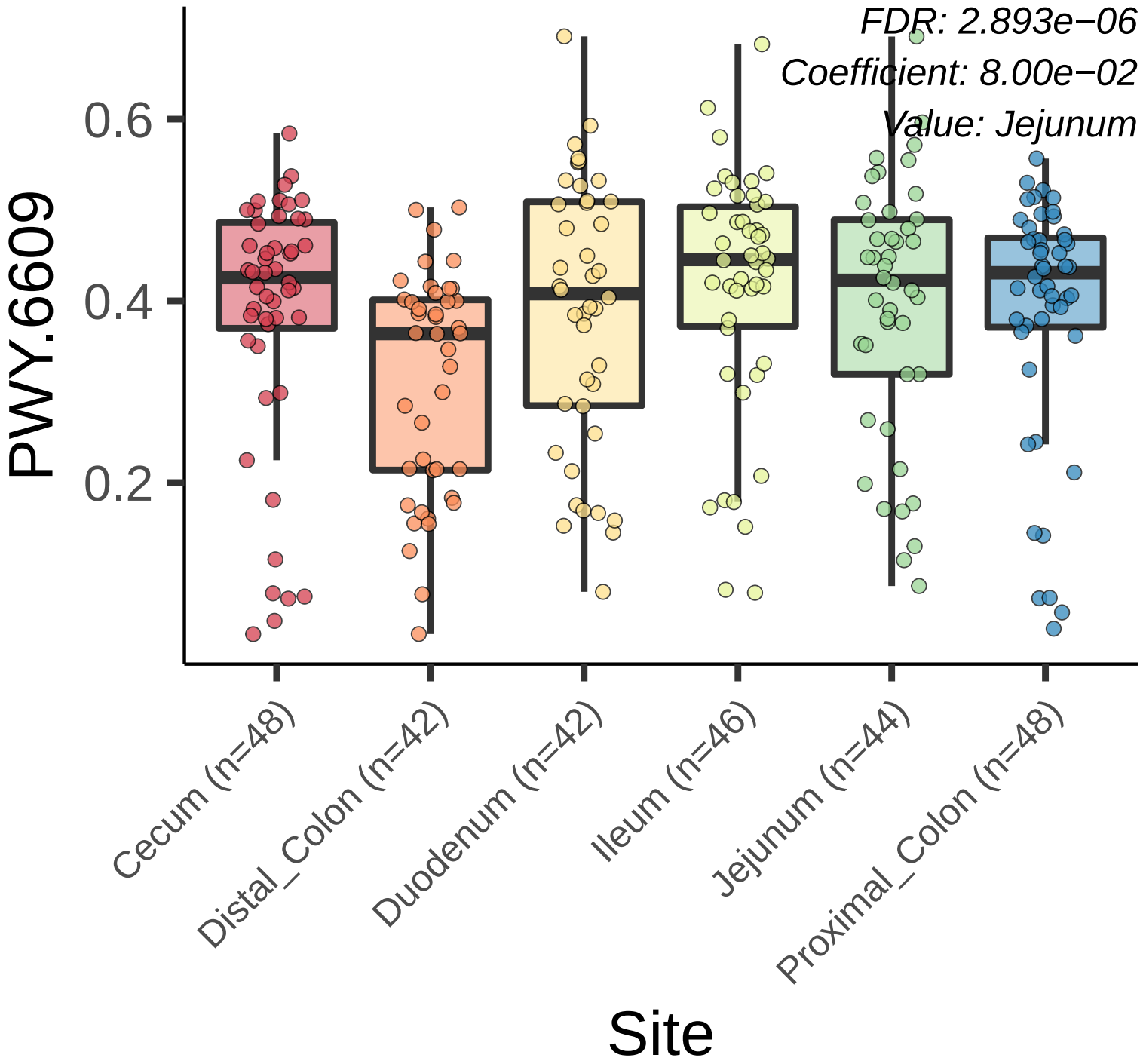

FDR: 2.517e−06
Coefficient: 7.43e−02
Value: Cecum
PWY.5973
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

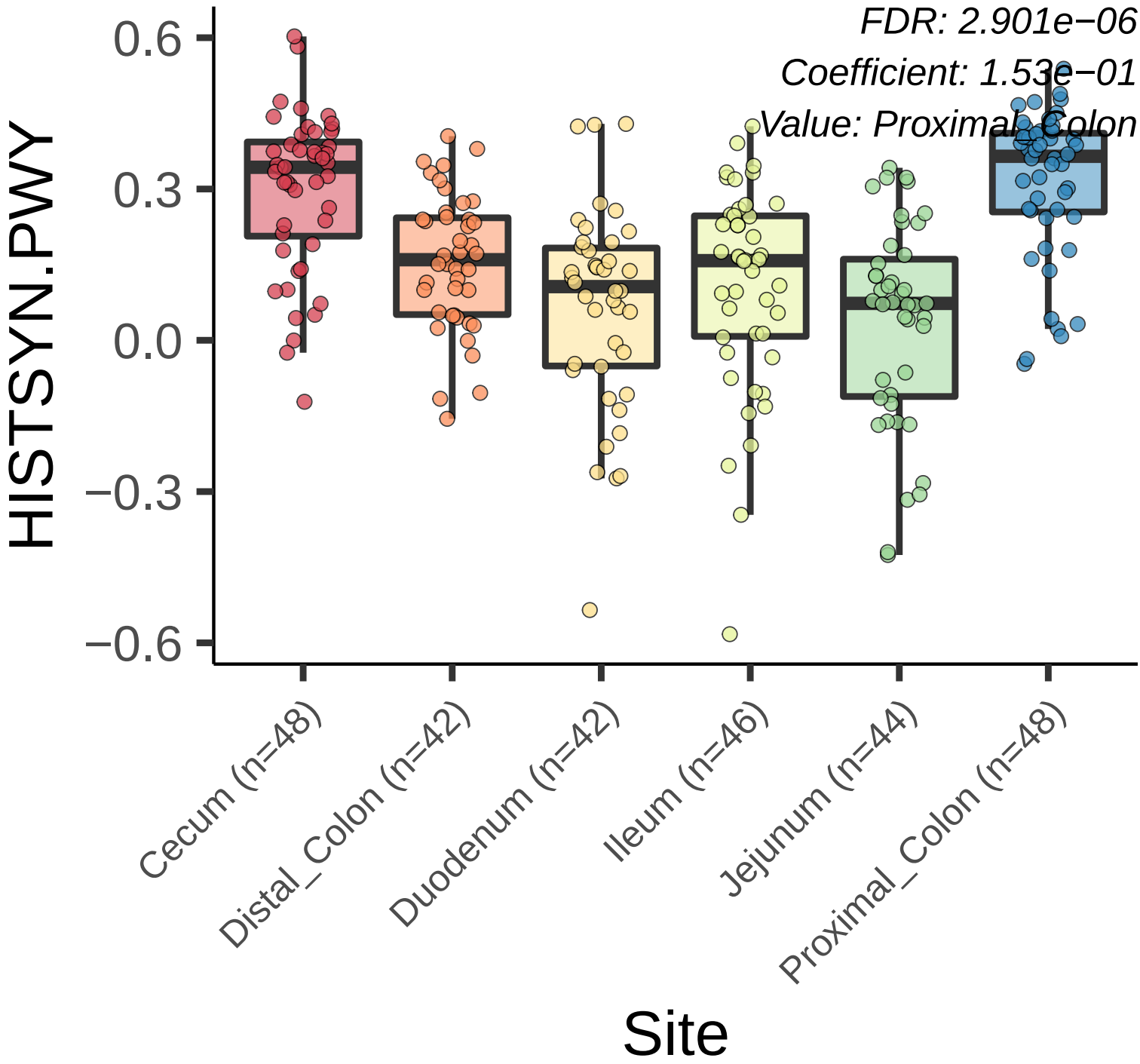

FDR: 2.698e−06
Coefficient: 2.80e−01
Value: Proximal_Colon
PWY.5189
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

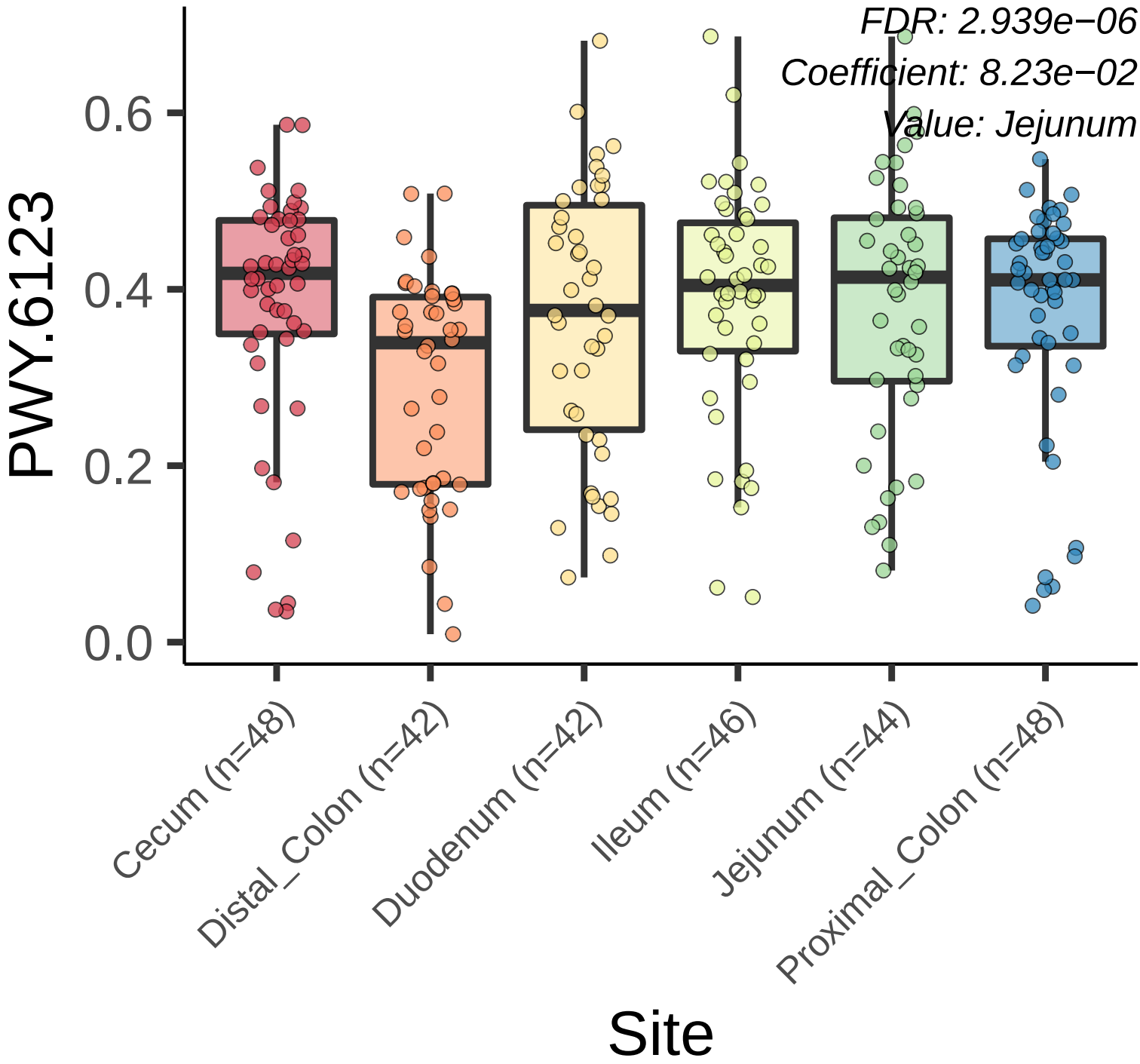

FDR: 2.775e−06
Coefficient: 2.87e−01
Value: Cecum
PWY.6269
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

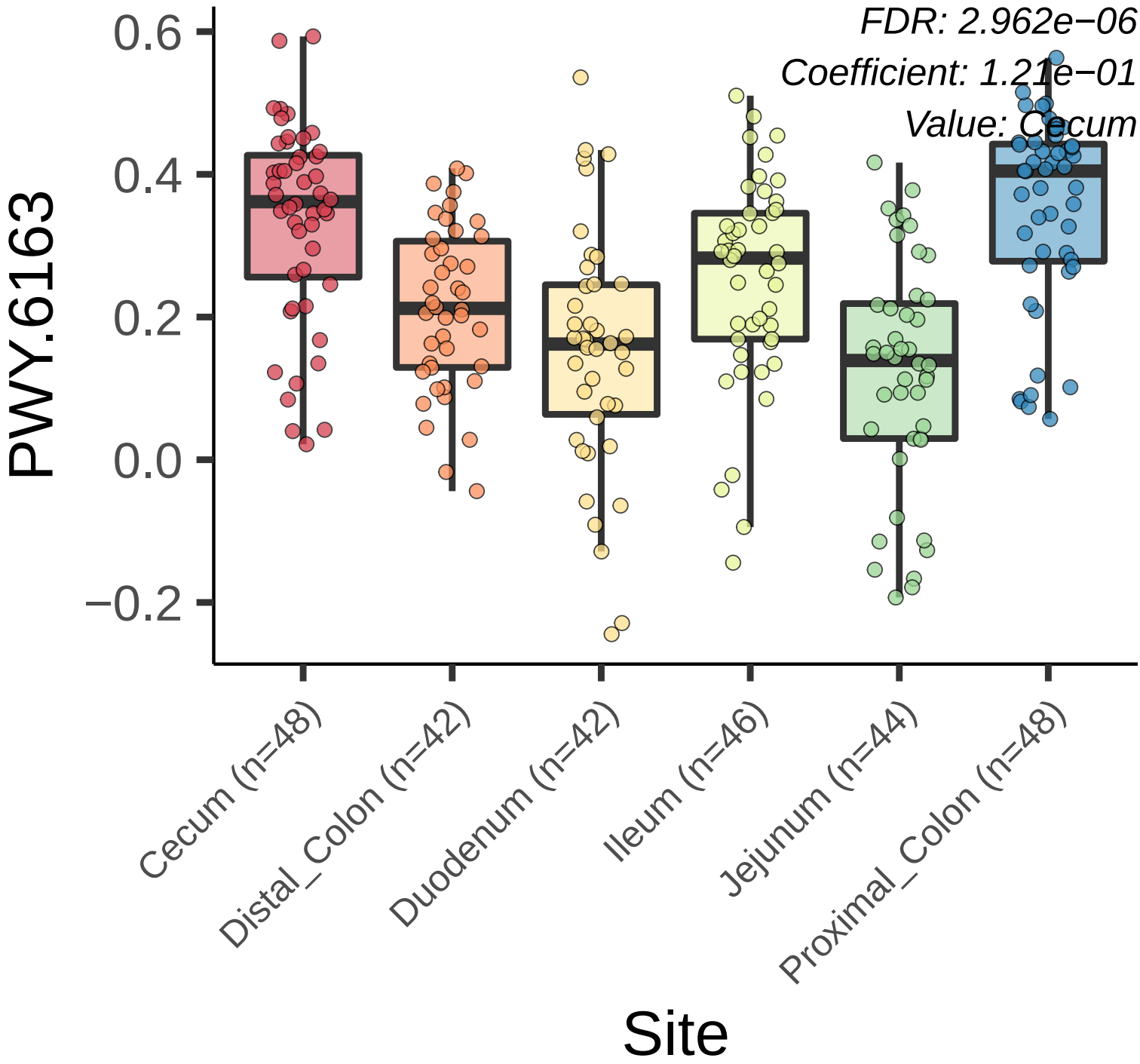

FDR: 2.775e−06
Coefficient: 4.45e−01
Value: Jejunum
PWY.7377
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

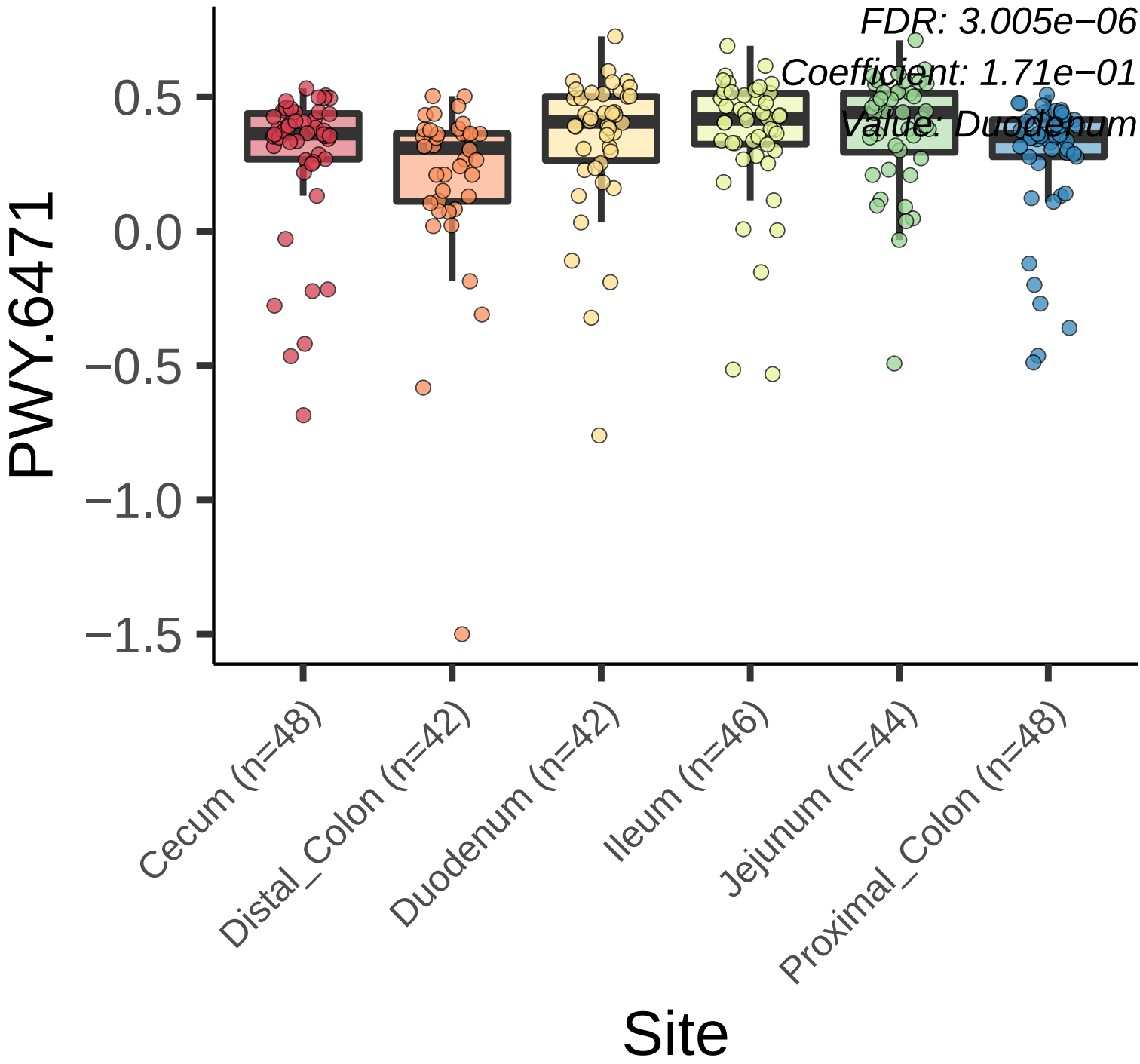

FDR: 2.827e−06
Coefficient: 7.13e−02
Value: Cecum
PWY.7663
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

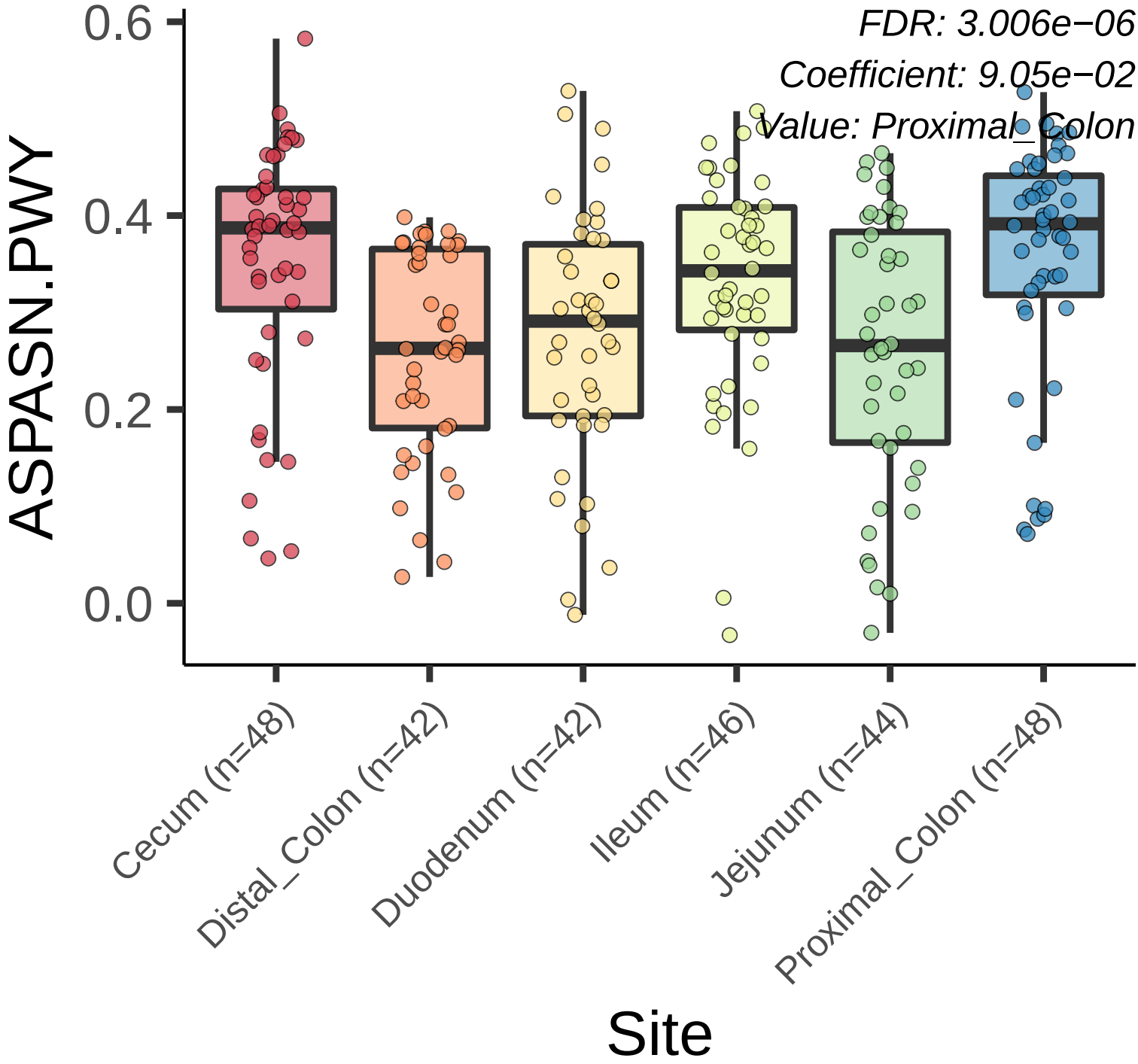

FDR: 2.893e−06
Coefficient: 8.00e−02
Value: Jejunum
PWY.6609
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

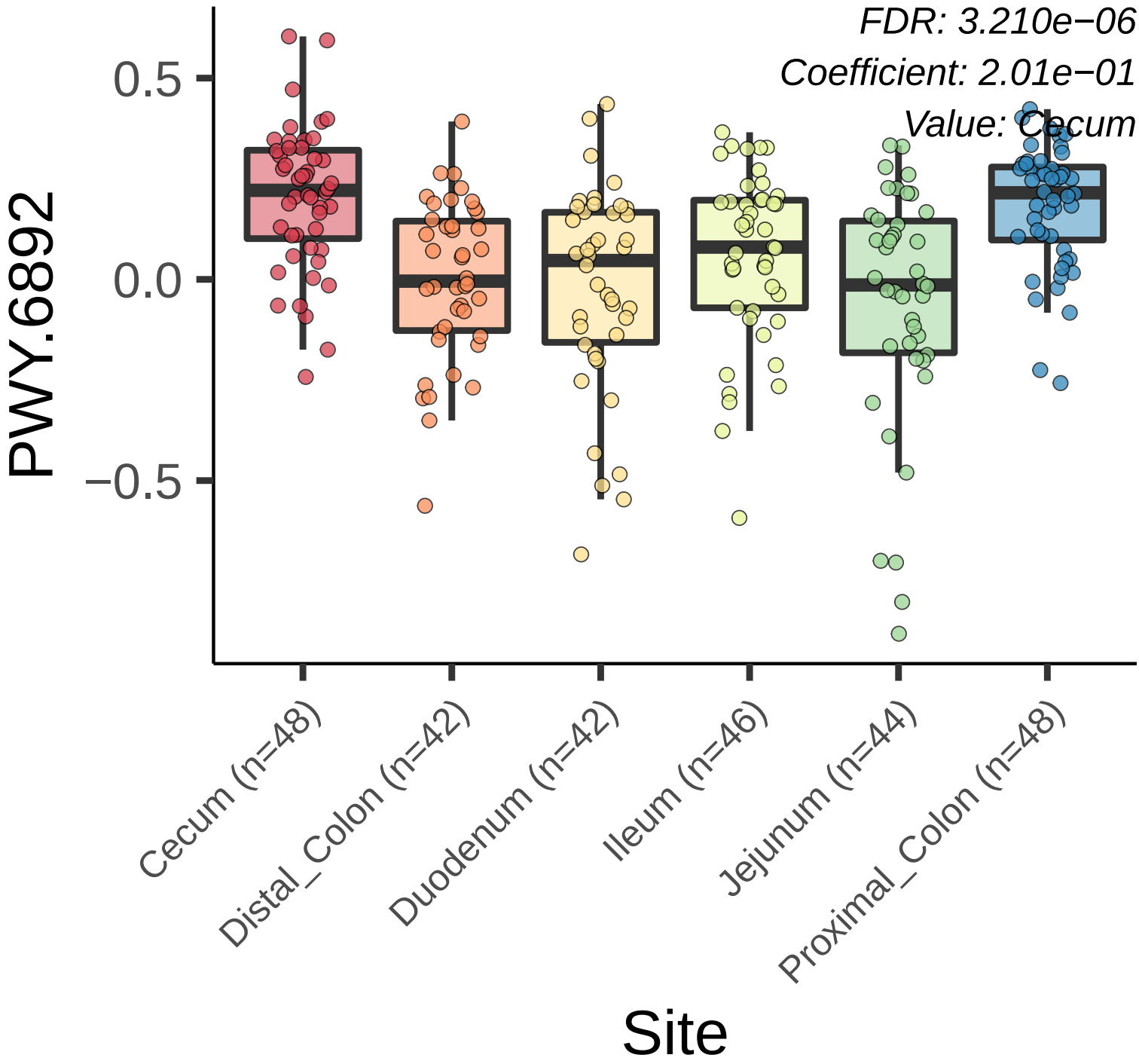

FDR: 2.901e−06
Coefficient: 1.53e−01
Value: Proximal_Colon
HISTSYN.PWY
0.6
0.3
0.0
−0.3
−0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

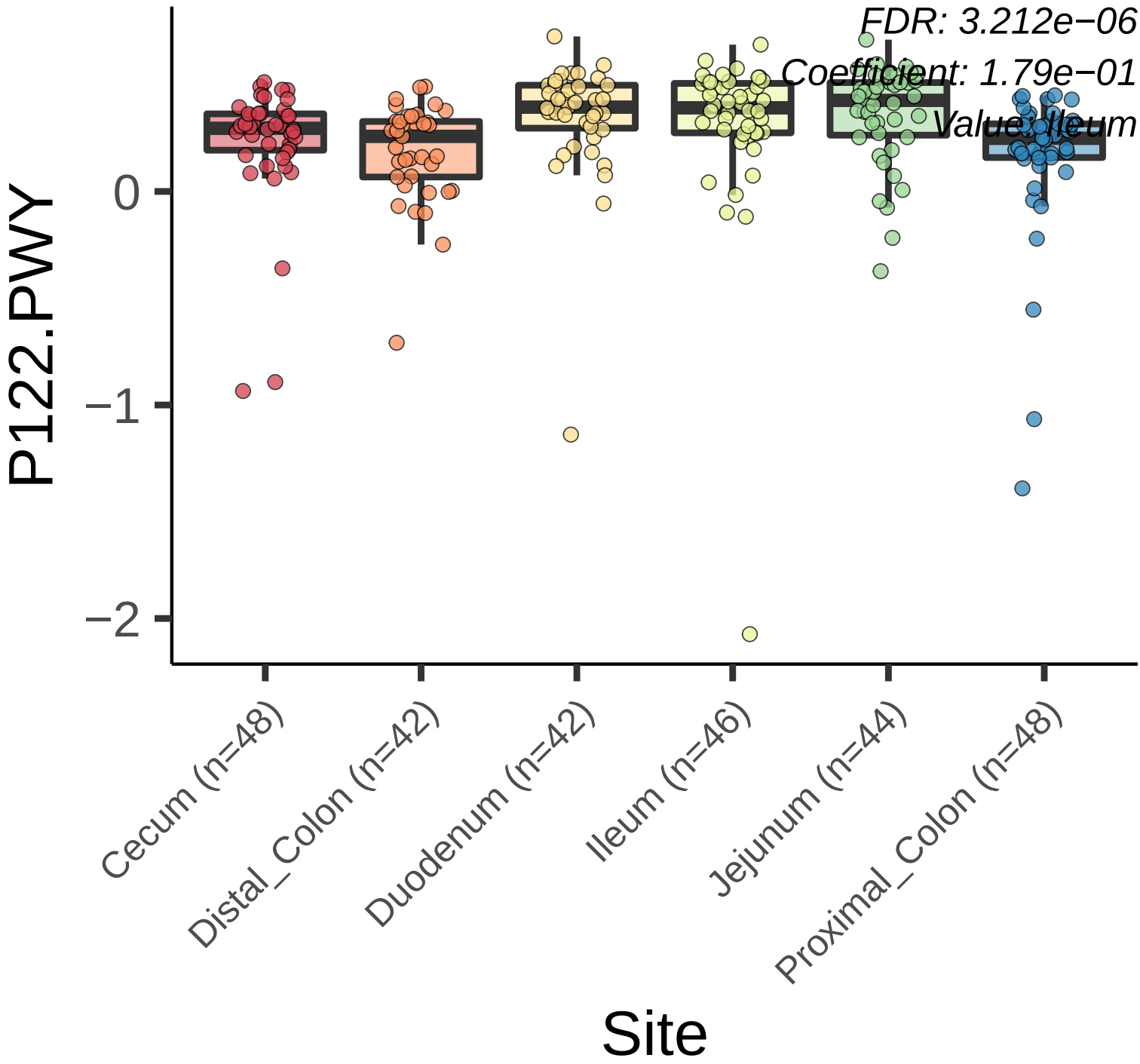

FDR: 2.939e−06
Coefficient: 8.23e−02
Value: Jejunum
PWY.6123
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

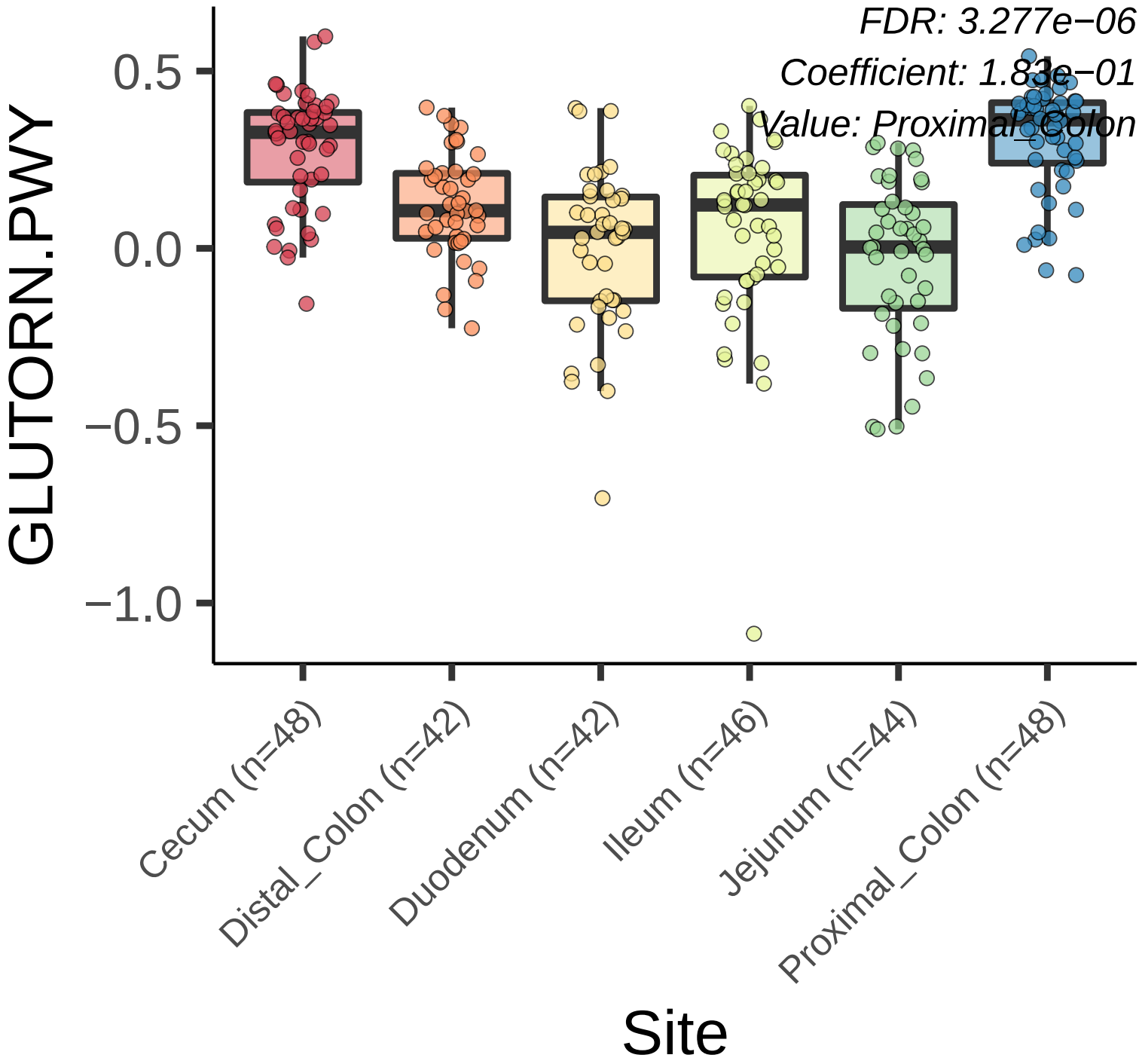

FDR: 2.962e−06
Coefficient: 1.21e−01
Value: Cecum
PWY.6163
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

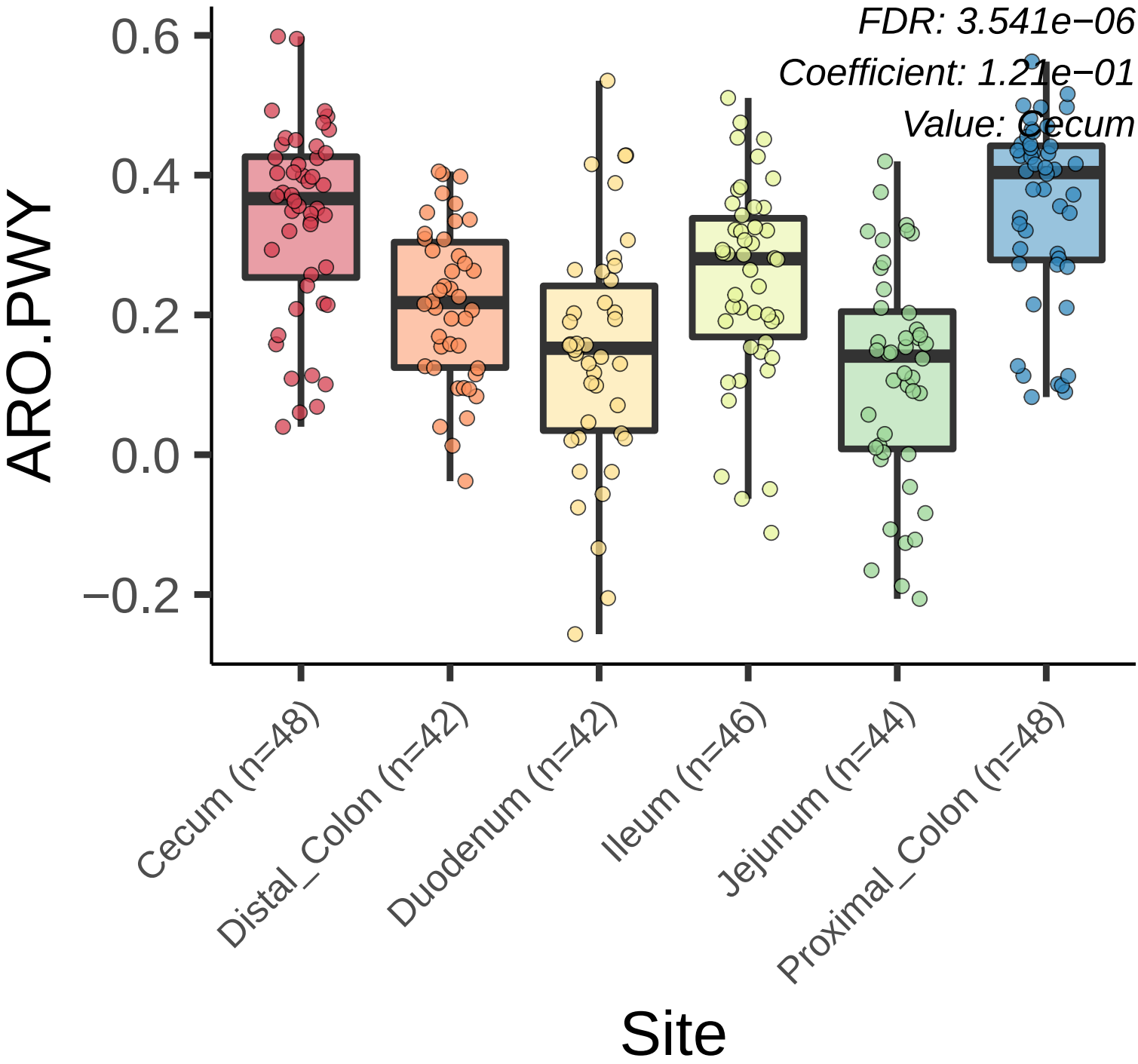

FDR: 3.005e−06
Coefficient: 1.71e−01
Value: Duodenum
PWY.6471
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

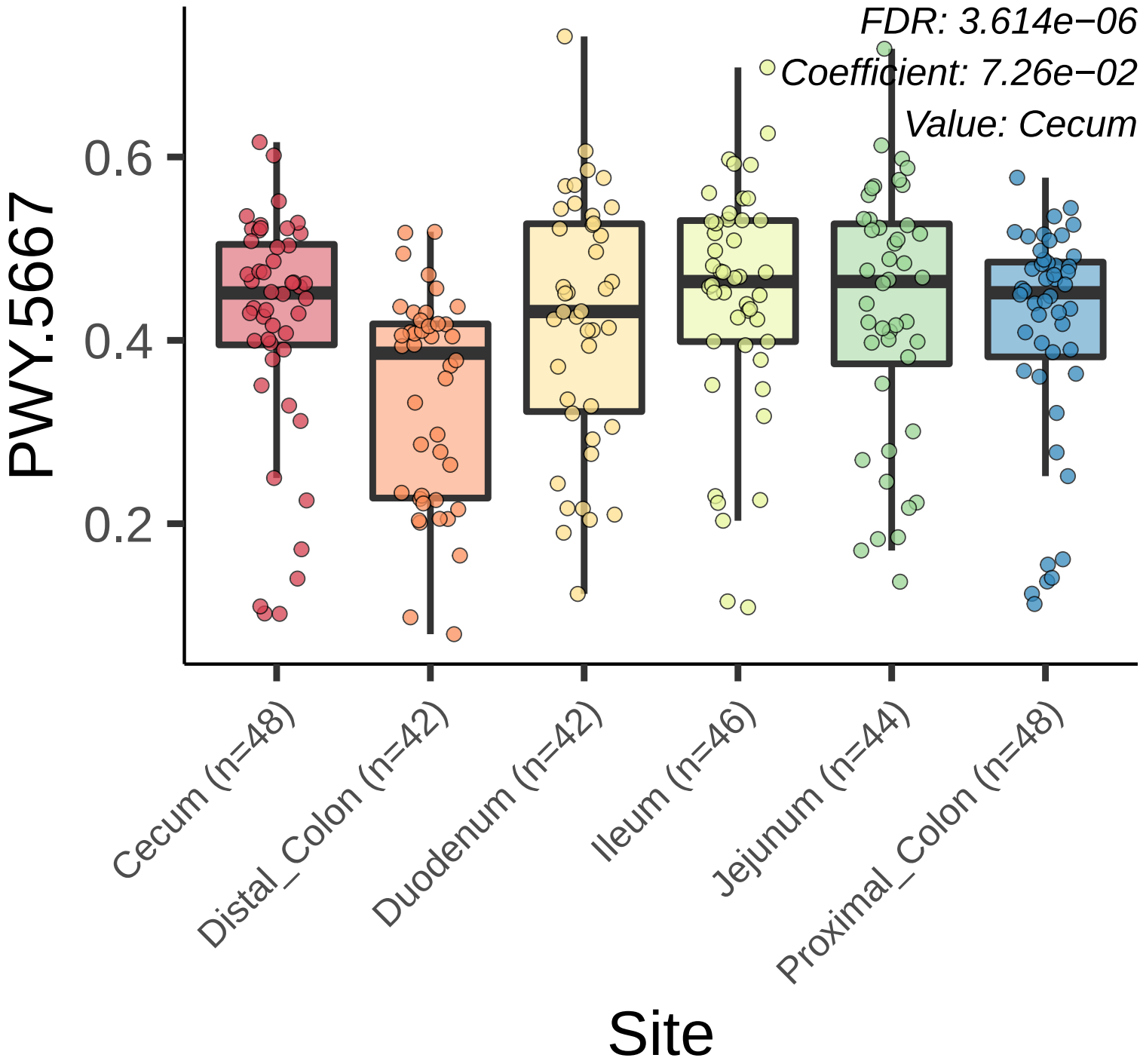

FDR: 3.006e−06
Coefficient: 9.05e−02
Value: Proximal_Colon
ASPASN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

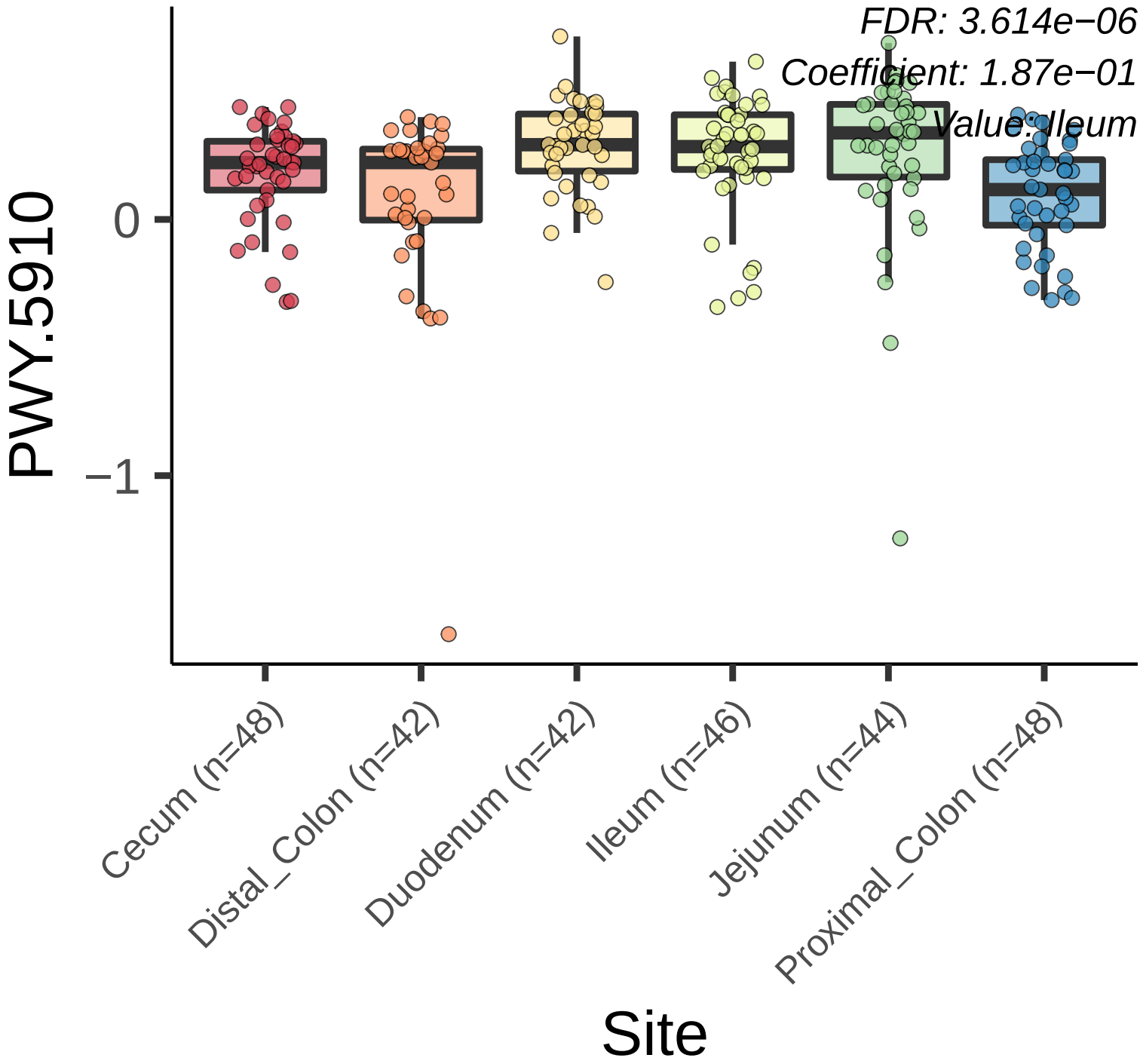

FDR: 3.210e−06
Coefficient: 2.01e−01
Value: Cecum
PWY.6892
0.5
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

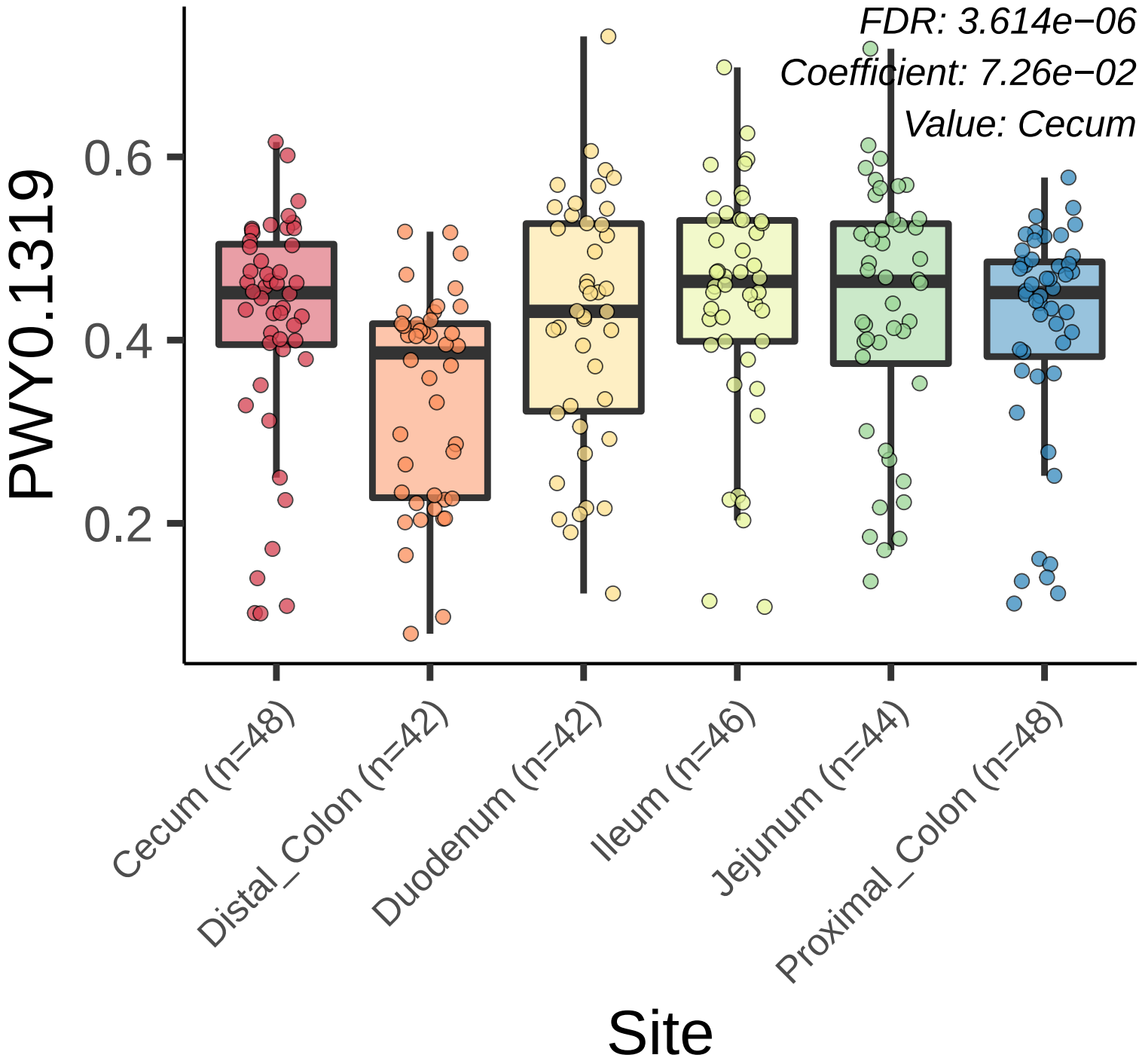

FDR: 3.212e−06
Coefficient: 1.79e−01
Value: Ileum
P122.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

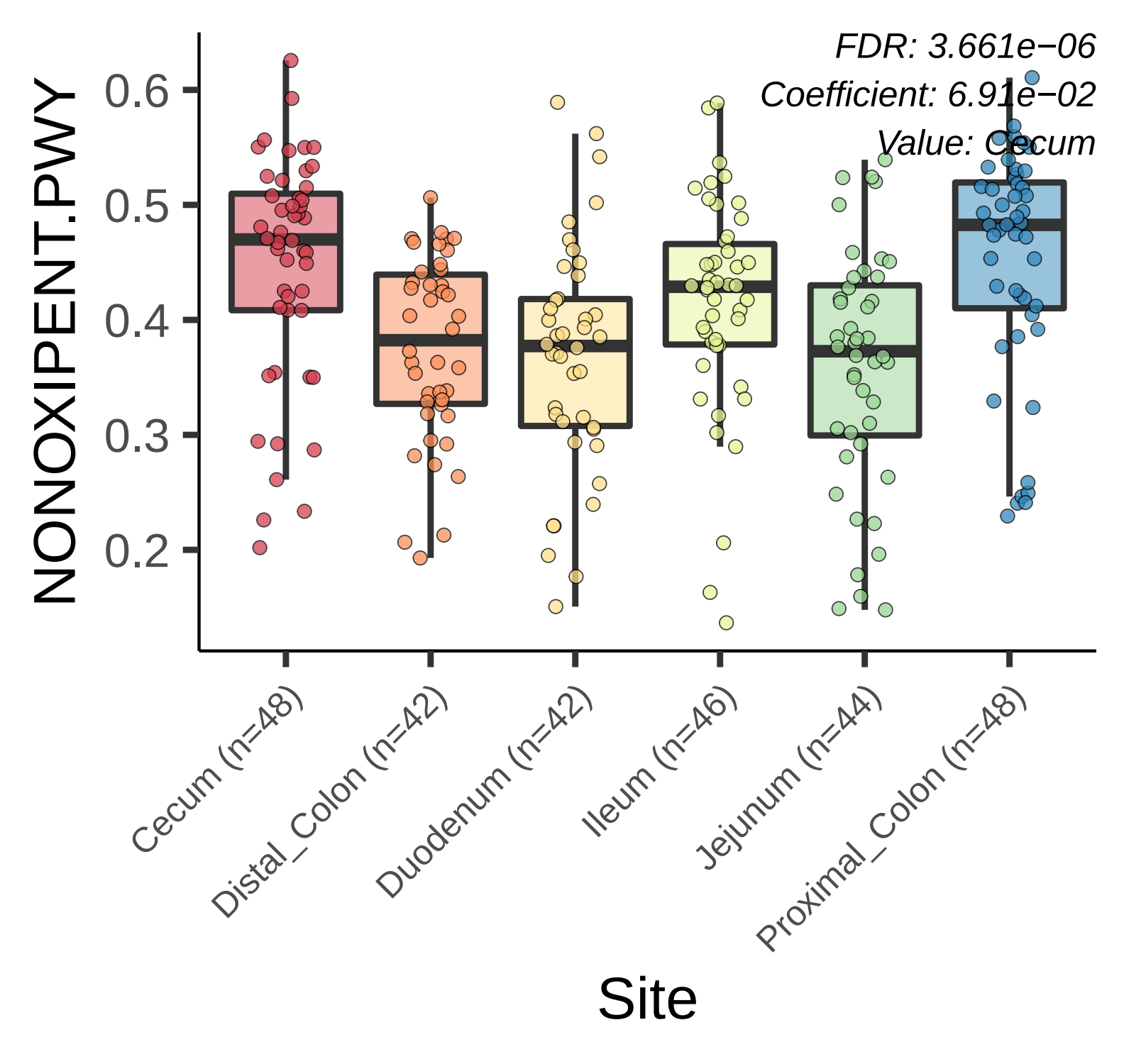

FDR: 3.277e−06
Coefficient: 1.83e−01
Value: Proximal_Colon
GLUTORN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

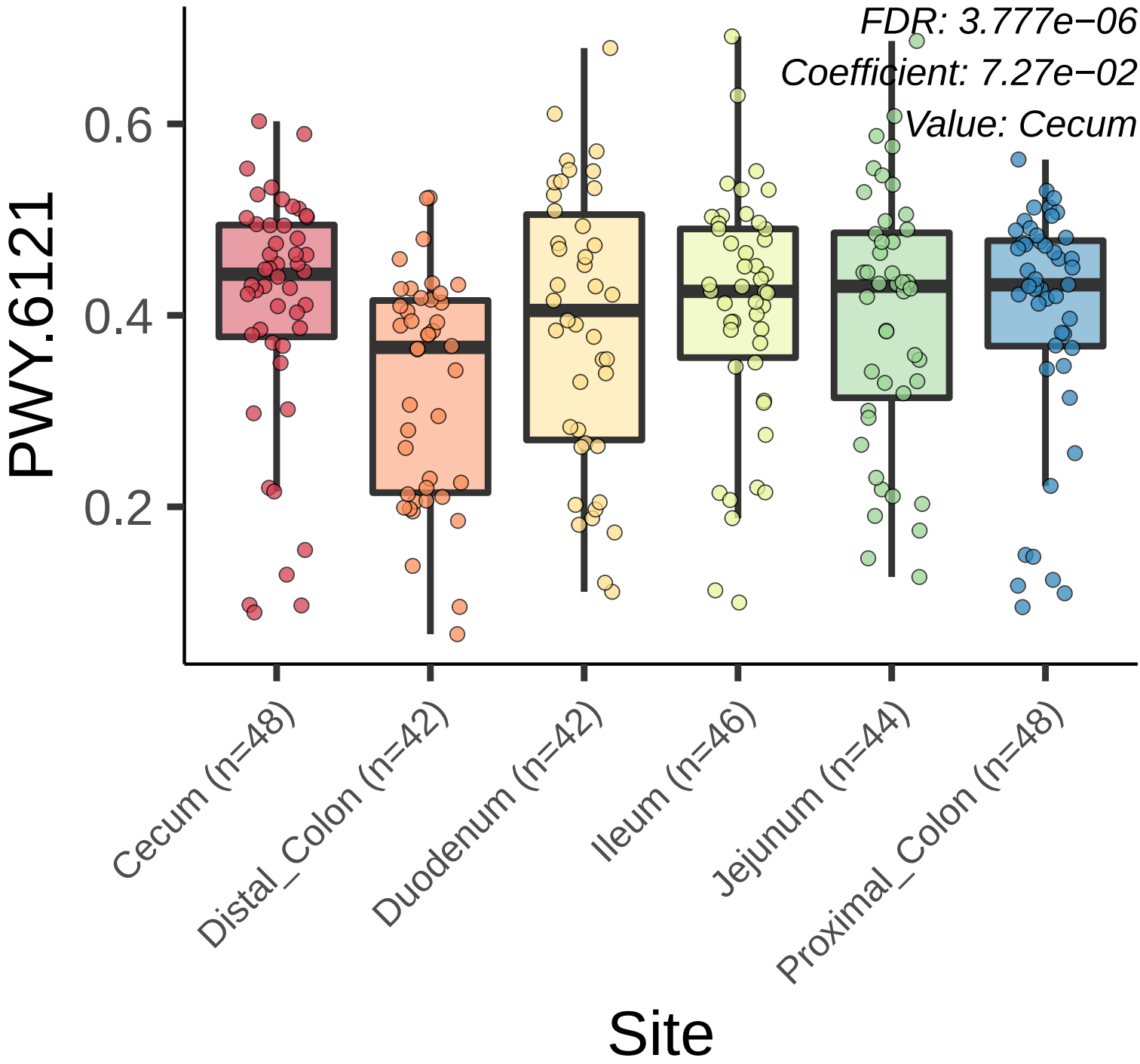

FDR: 3.541e−06
Coefficient: 1.21e−01
Value: Cecum
ARO.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

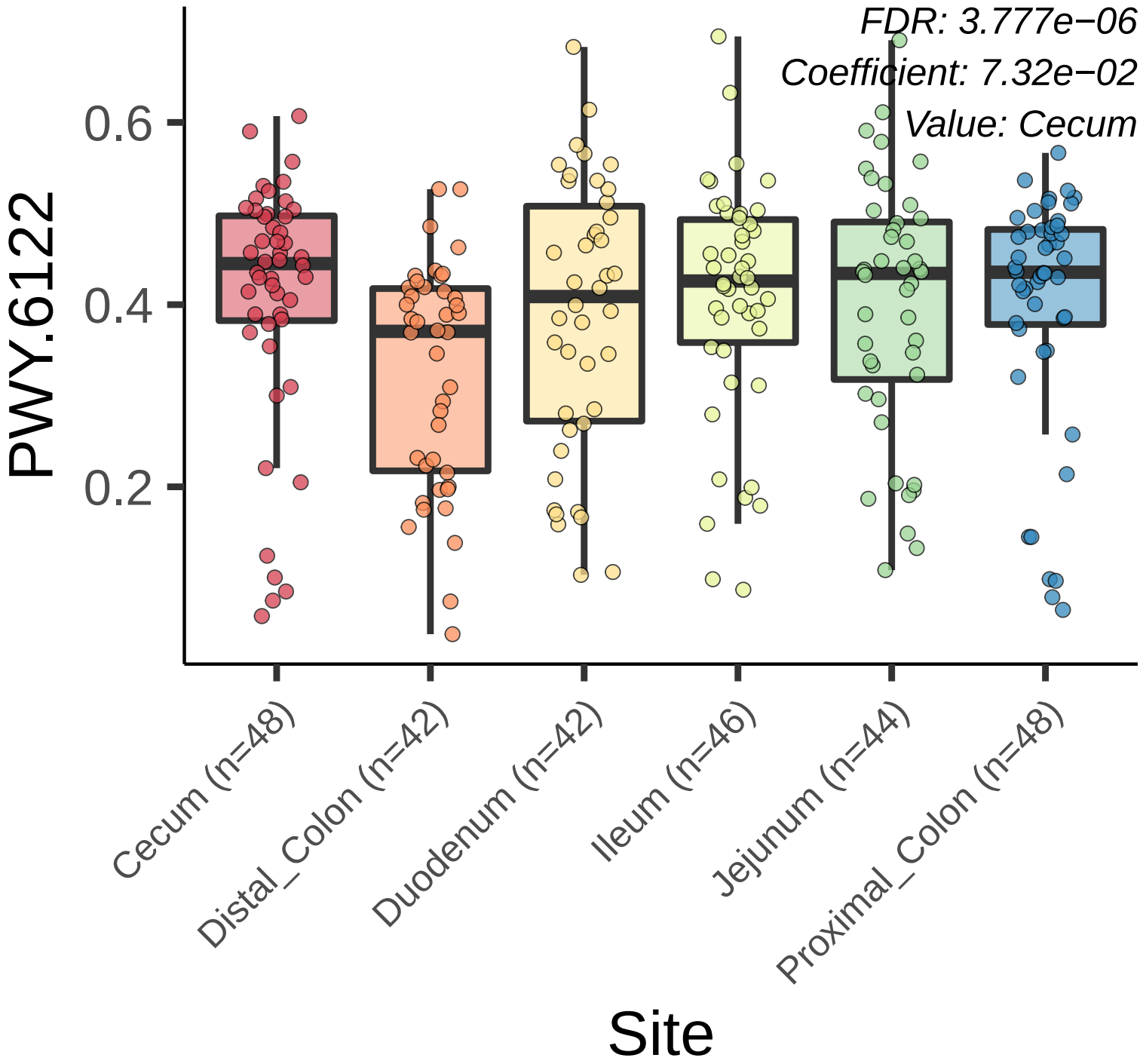

FDR: 3.614e−06
Coefficient: 7.26e−02
Value: Cecum
PWY.5667
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

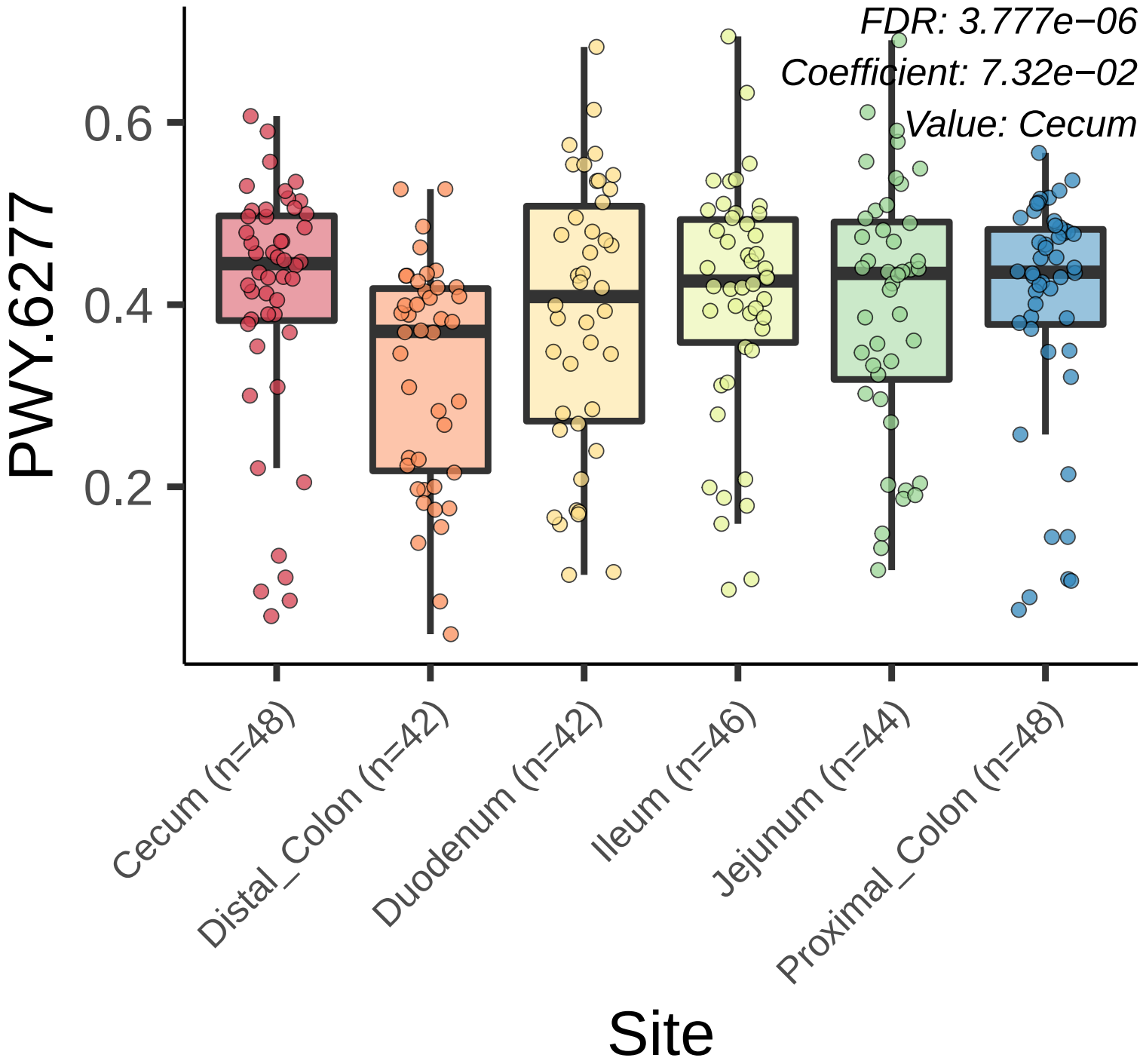

FDR: 3.614e−06
Coefficient: 1.87e−01
Value: Ileum
PWY.5910
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

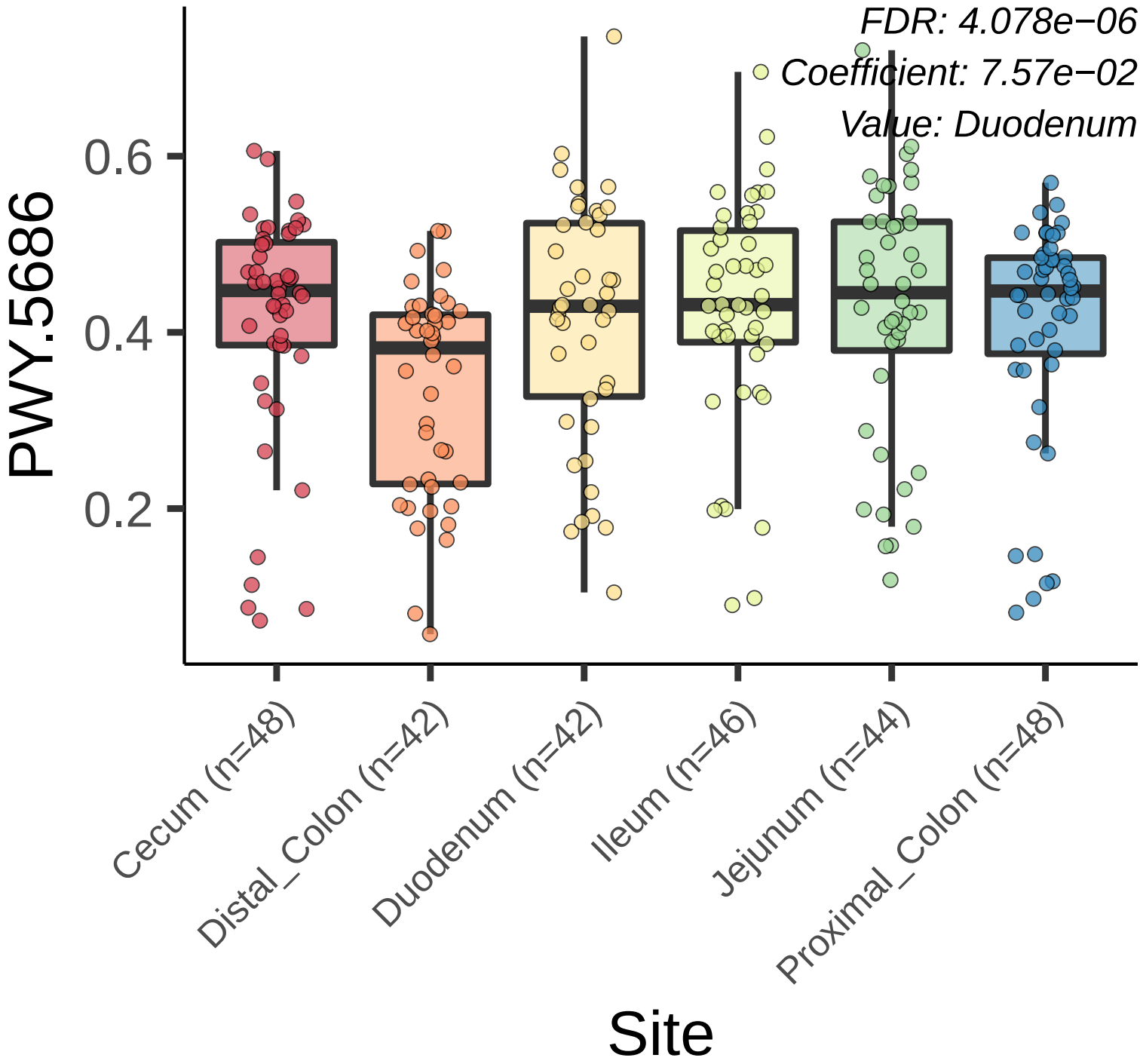

FDR: 3.614e−06
Coefficient: 7.26e−02
Value: Cecum
PWY0.1319
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

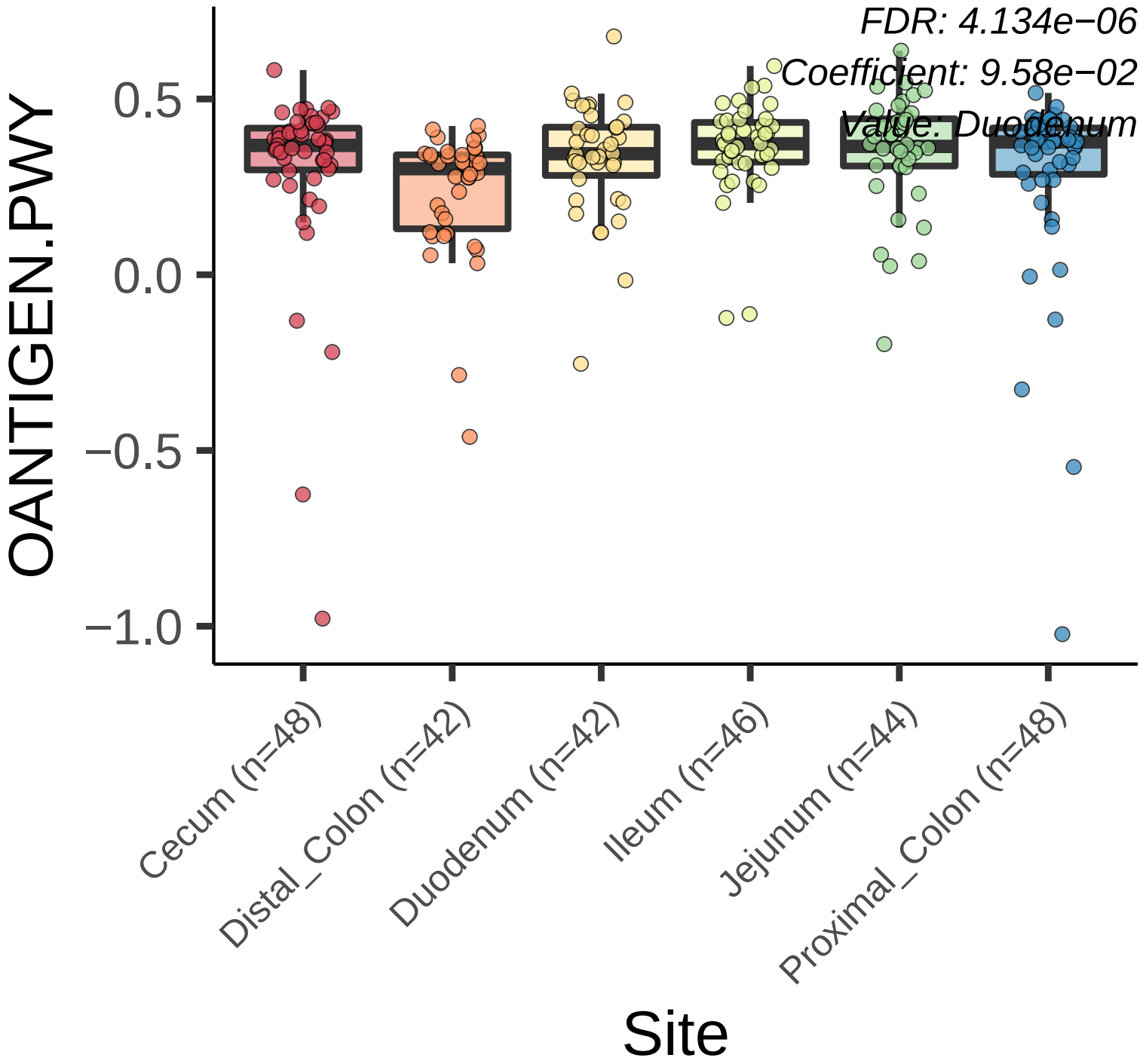

FDR: 3.661e−06
Coefficient: 6.91e−02
Value: Cecum
NONOXIPENT.PWY
0.6
0.5
0.4
0.3
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

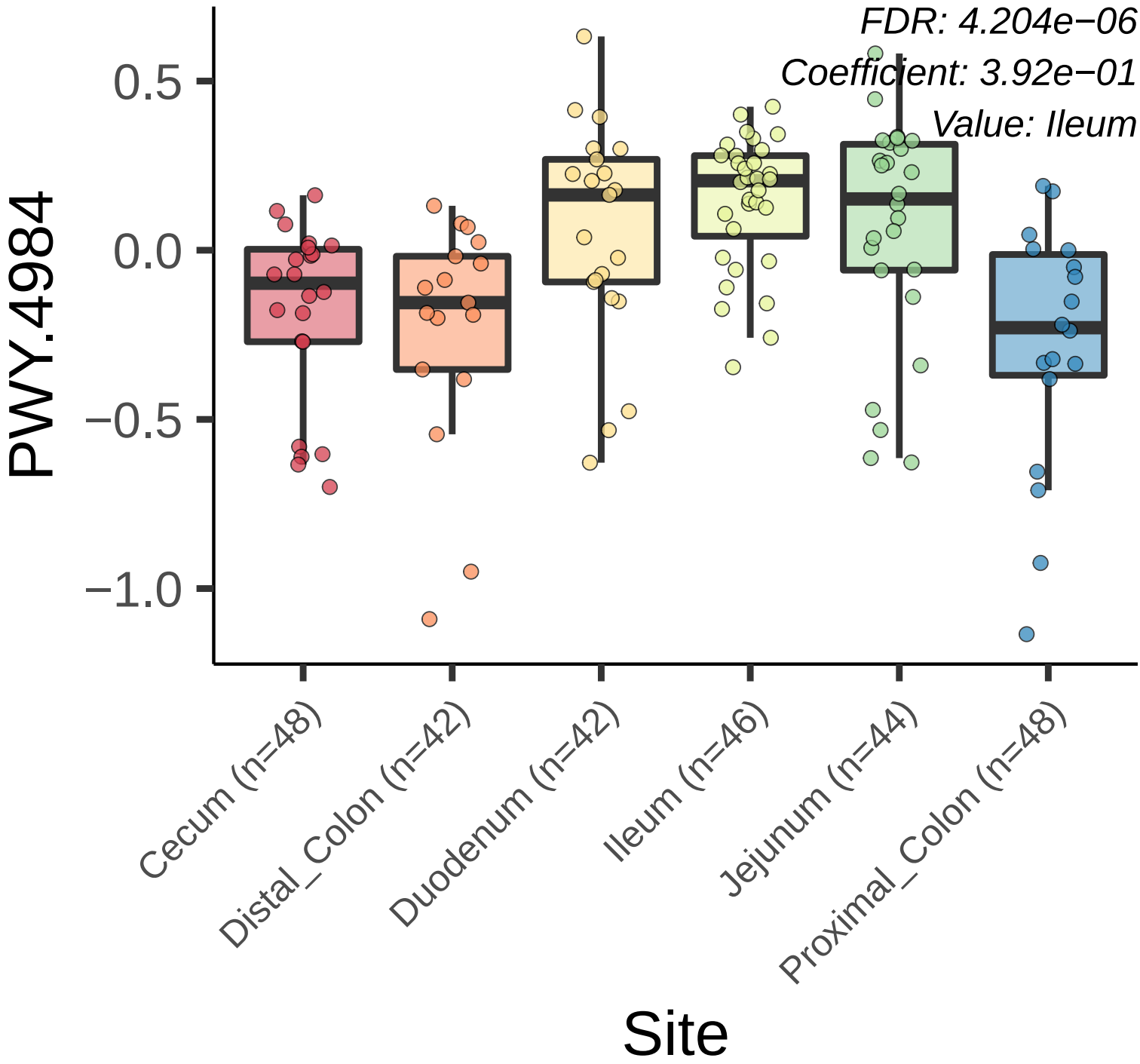

FDR: 3.777e−06
Coefficient: 7.27e−02
Value: Cecum
PWY.6121
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

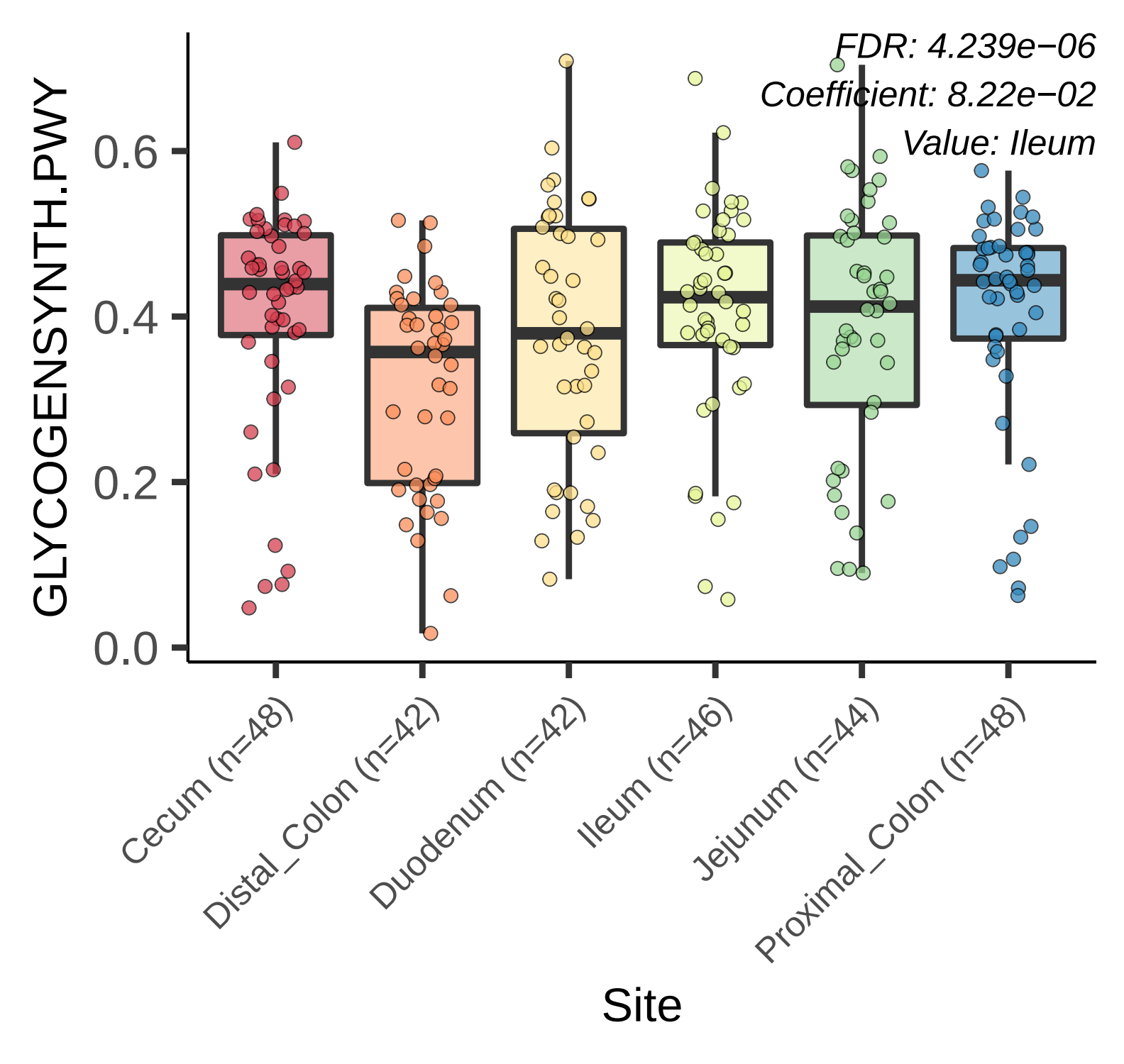

FDR: 3.777e−06
Coefficient: 7.32e−02
Value: Cecum
PWY.6122
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

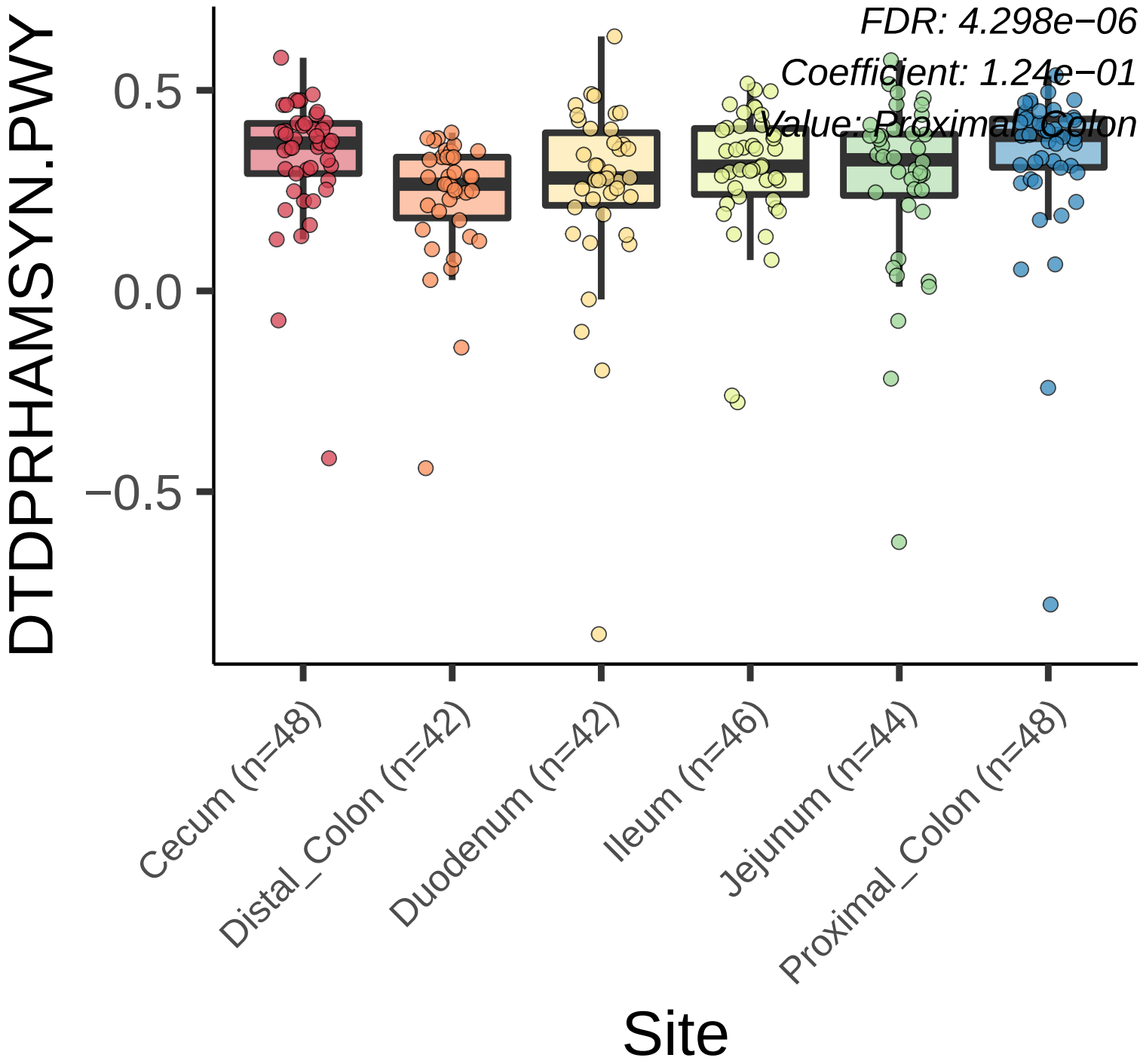

FDR: 3.777e−06
Coefficient: 7.32e−02
Value: Cecum
PWY.6277
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

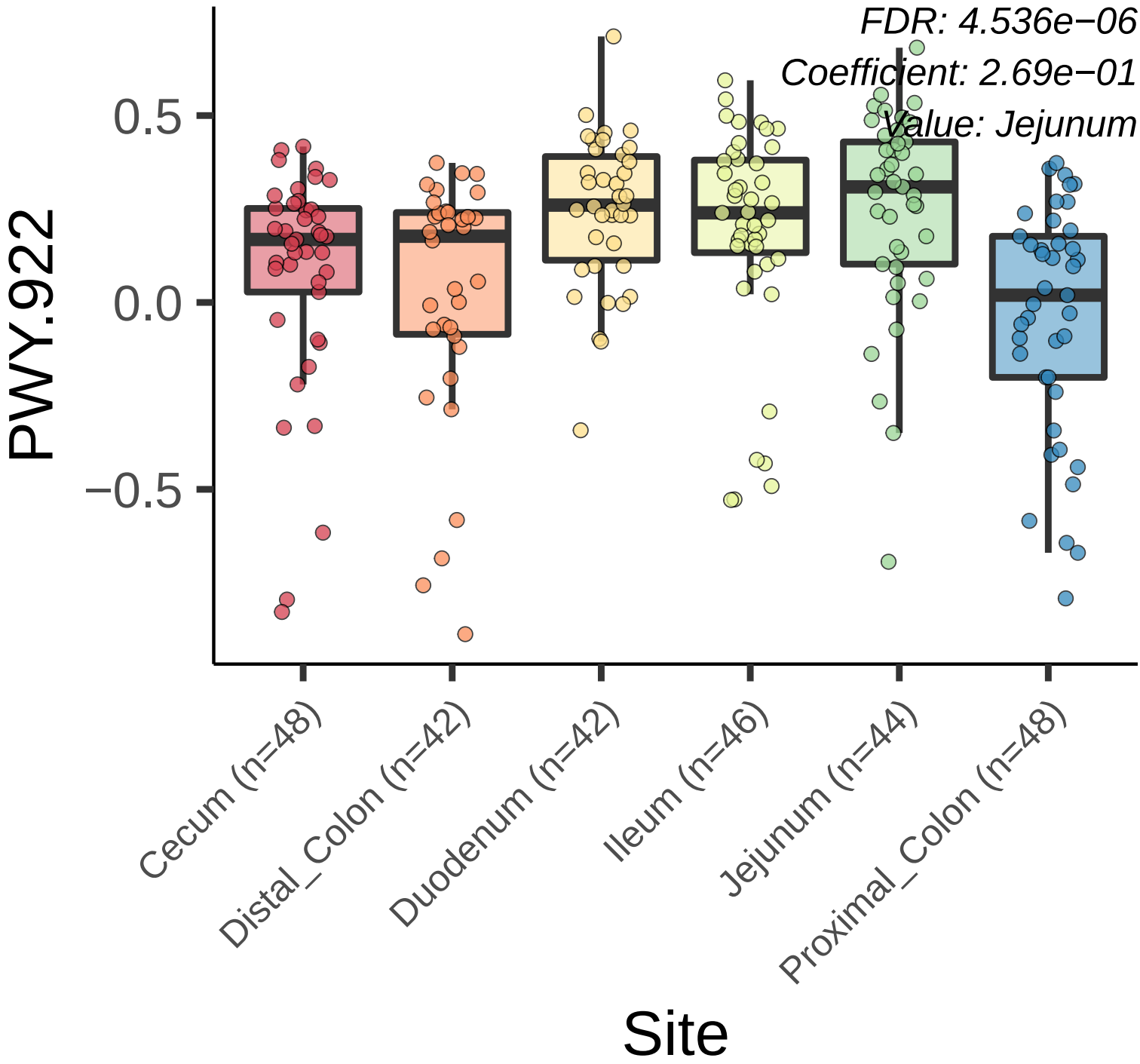

FDR: 4.078e−06
Coefficient: 7.57e−02
Value: Duodenum
PWY.5686
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

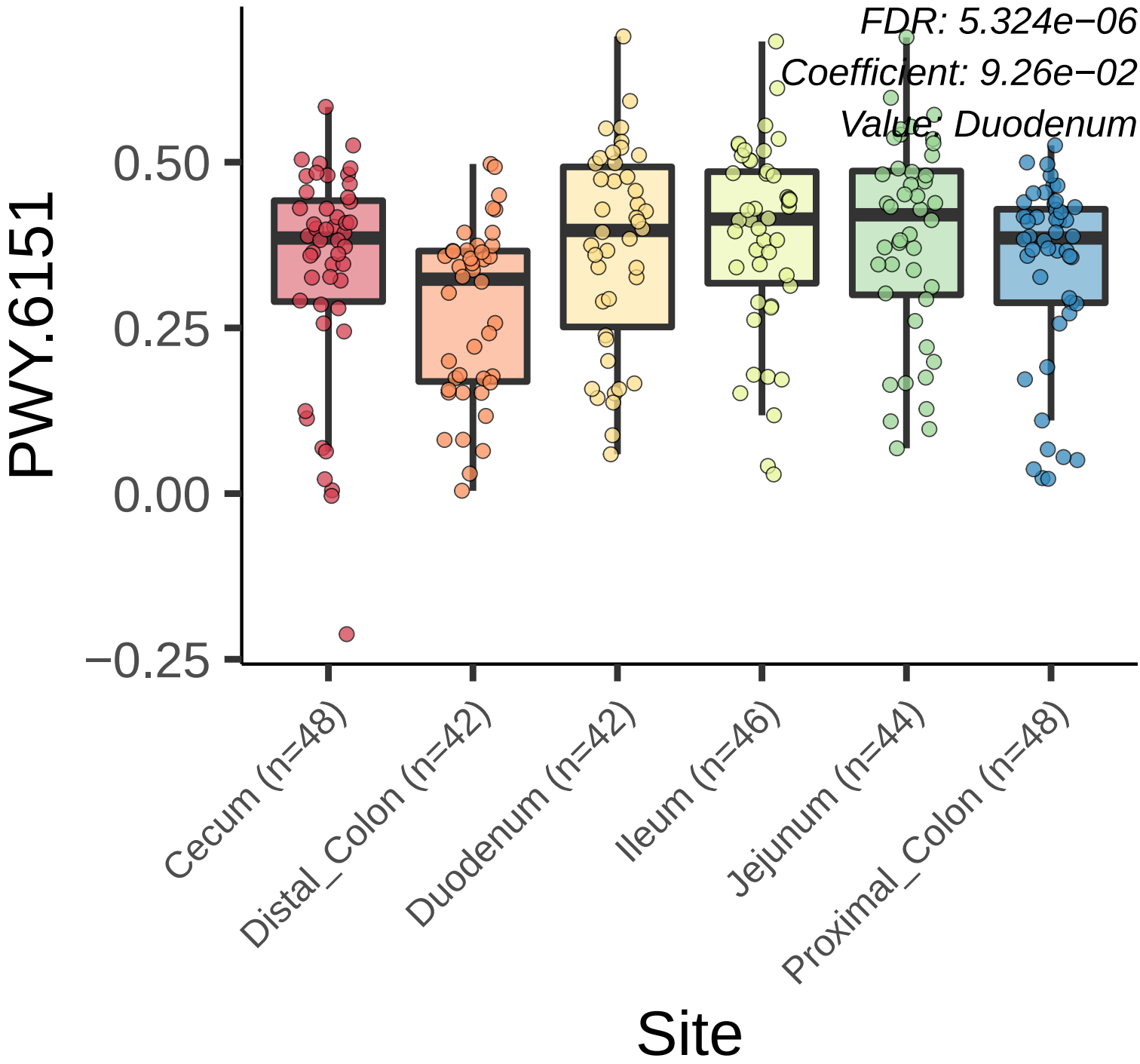

FDR: 4.134e−06
Coefficient: 9.58e−02
Value: Duodenum
OANTIGEN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

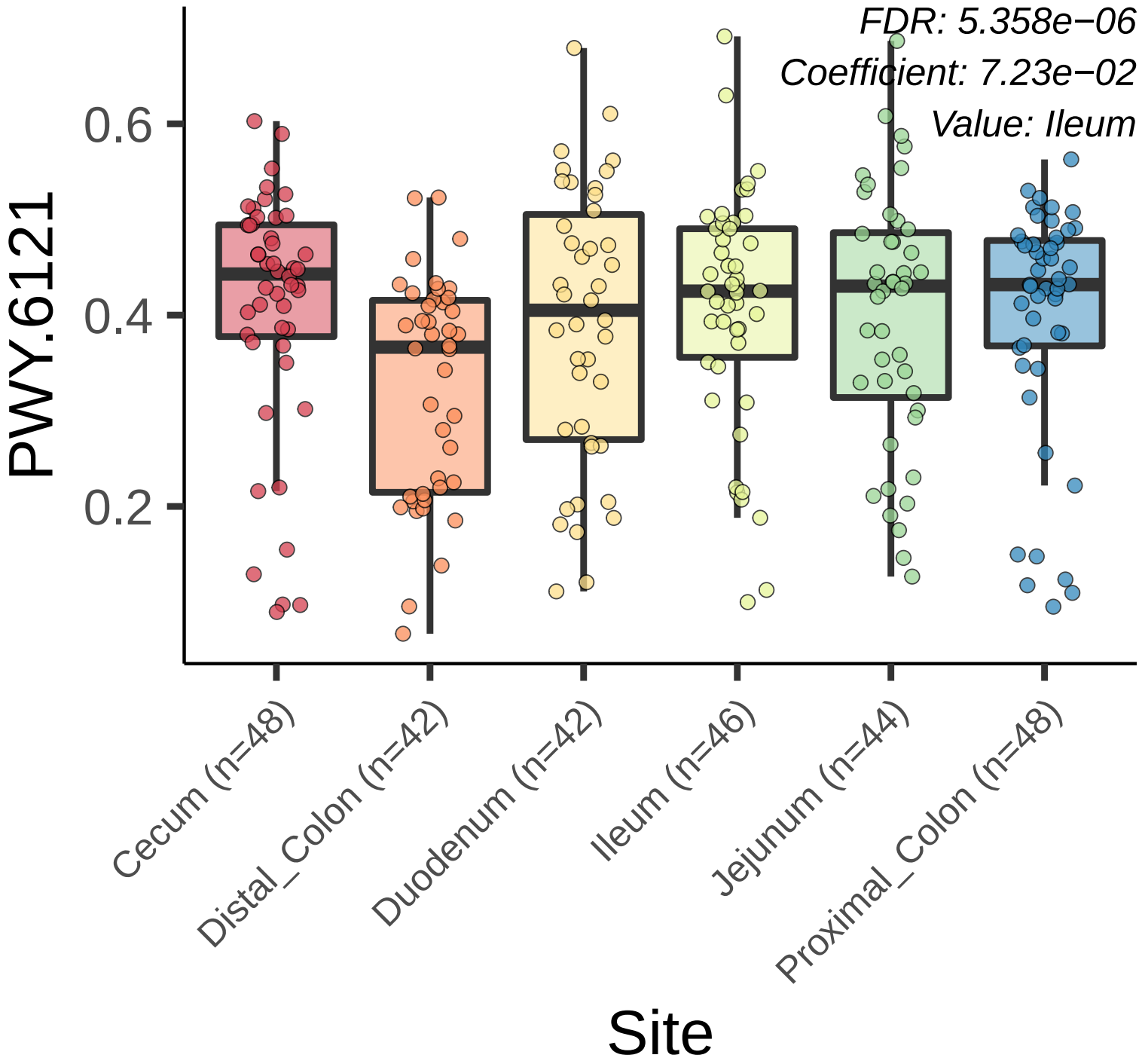

FDR: 4.204e−06
Coefficient: 3.92e−01
Value: Ileum
PWY.4984
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

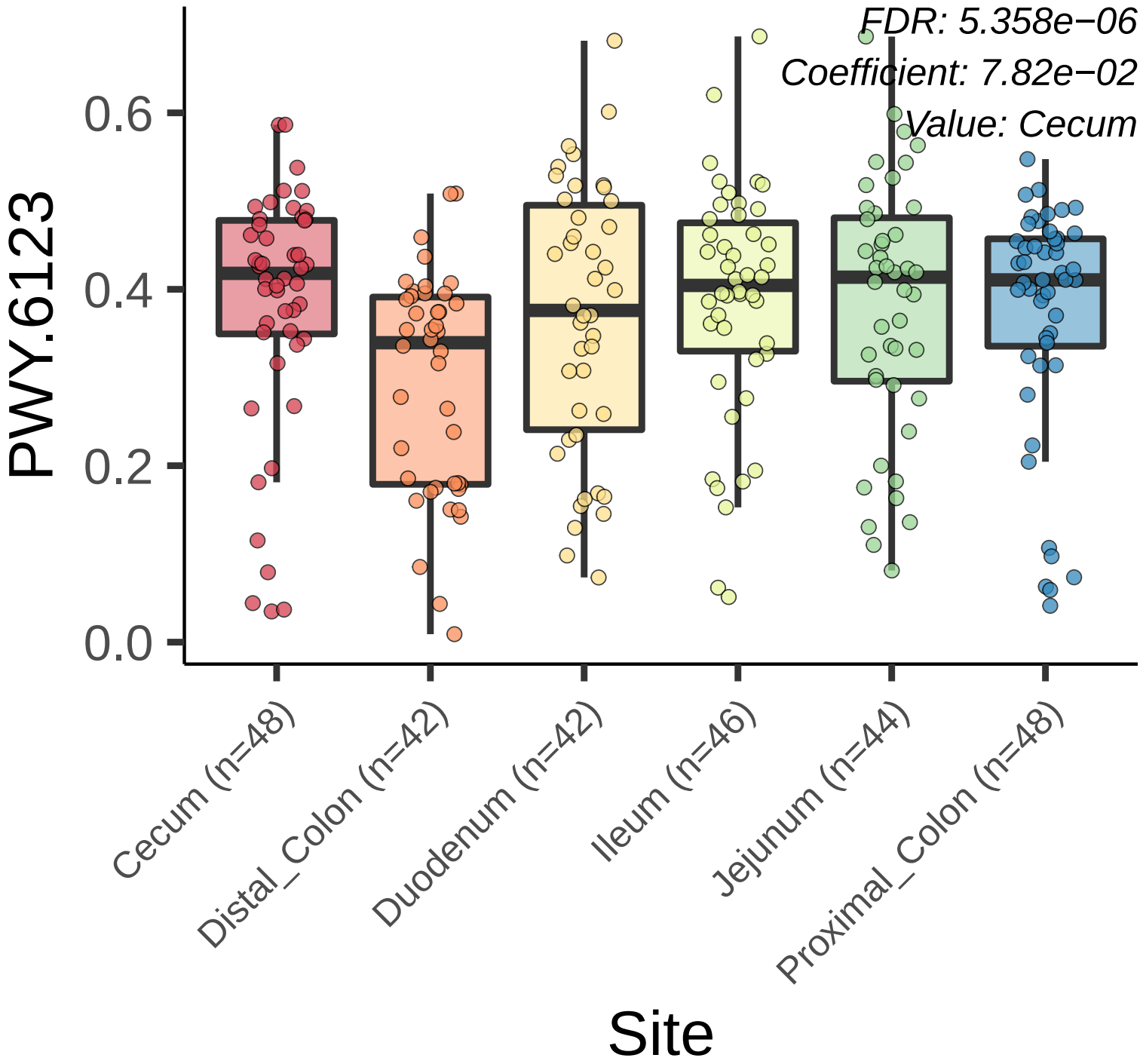

FDR: 4.239e−06
Coefficient: 8.22e−02
Value: Ileum
GLYCOGENSYNTH.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

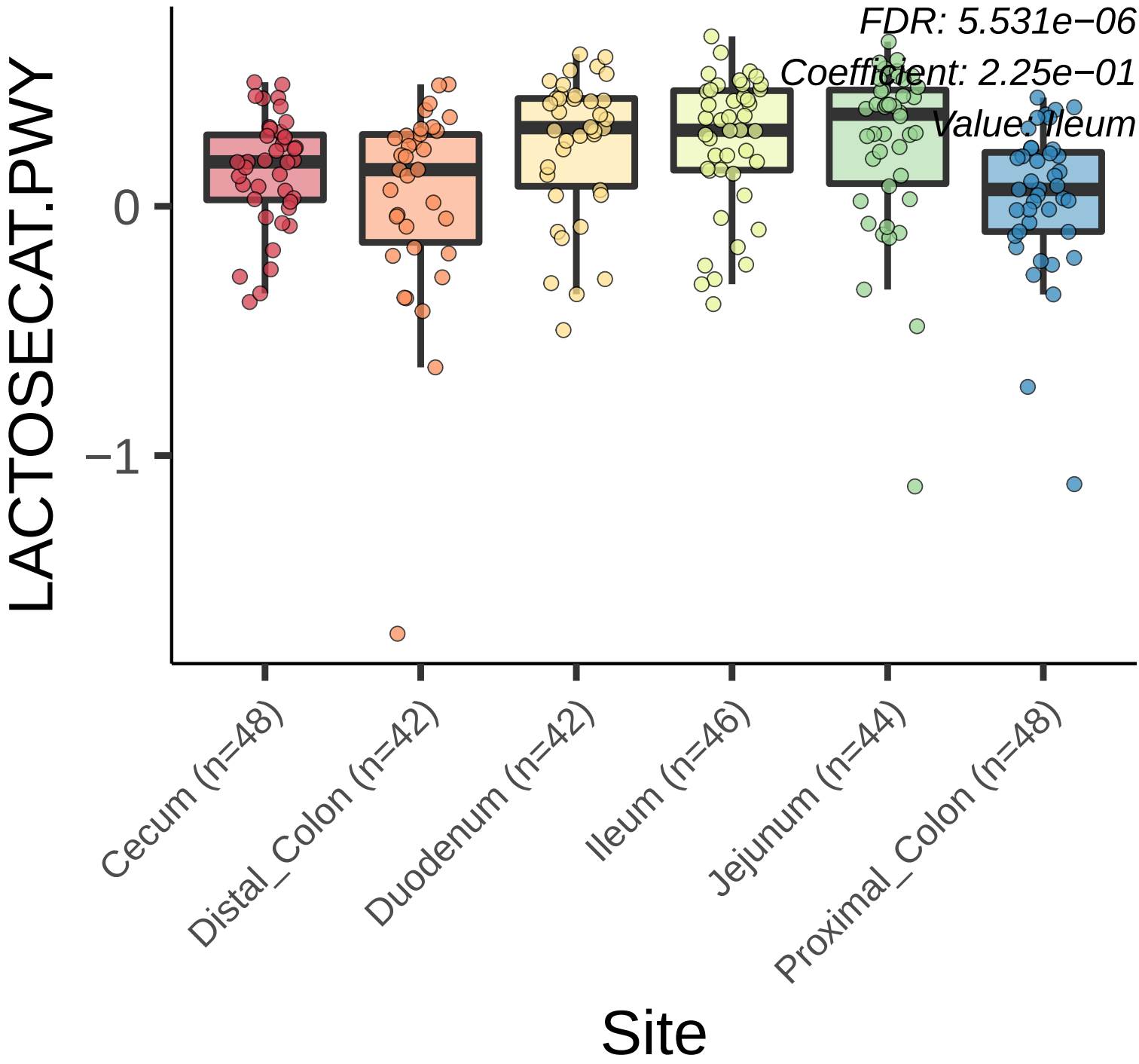

FDR: 4.298e−06
Coefficient: 1.24e−01
Value: Proximal_Colon
DTDPRHAMSYN.PWY
0.5
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

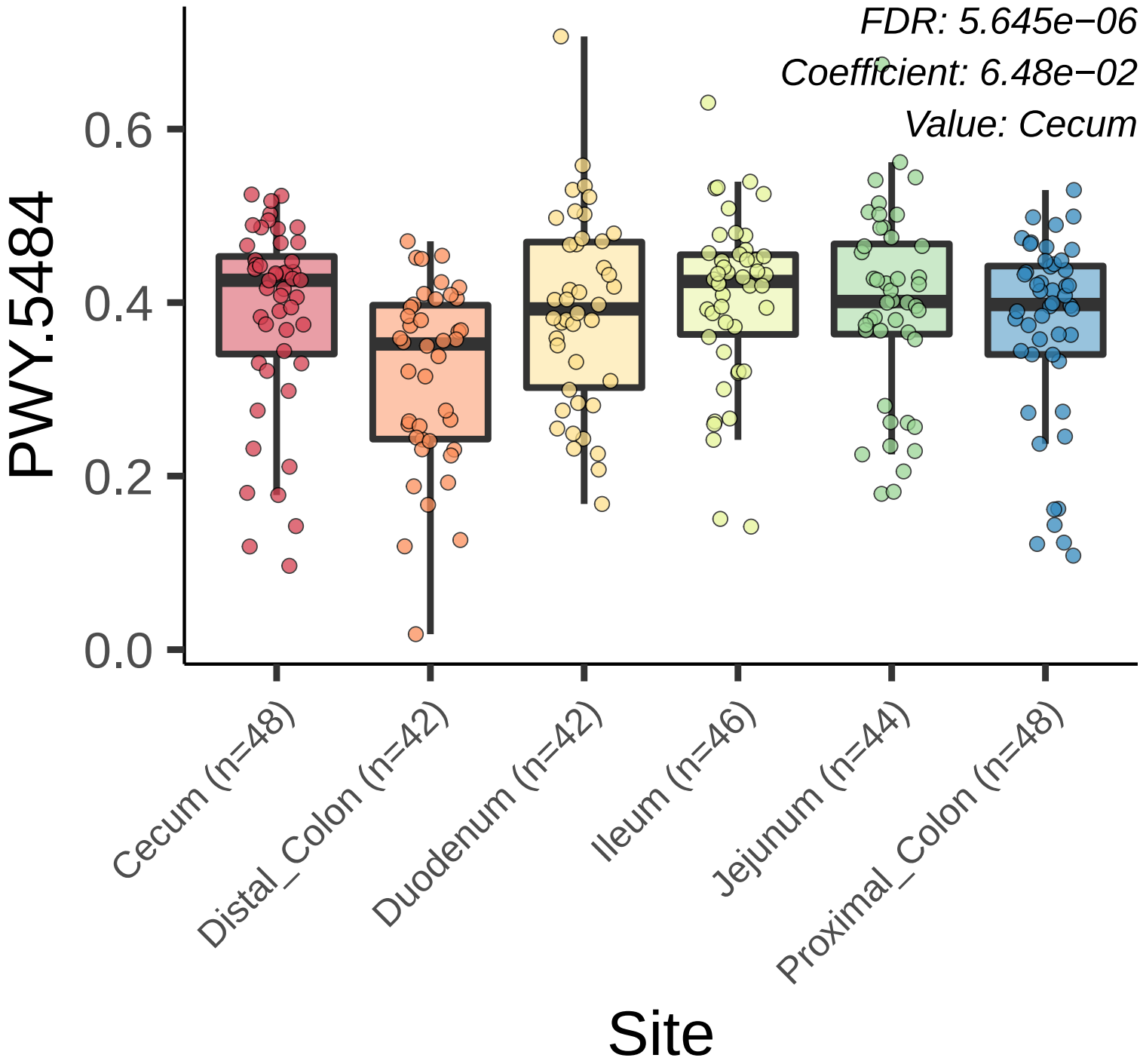

FDR: 4.536e−06
Coefficient: 2.69e−01
Value: Jejunum
PWY.922
0.5
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

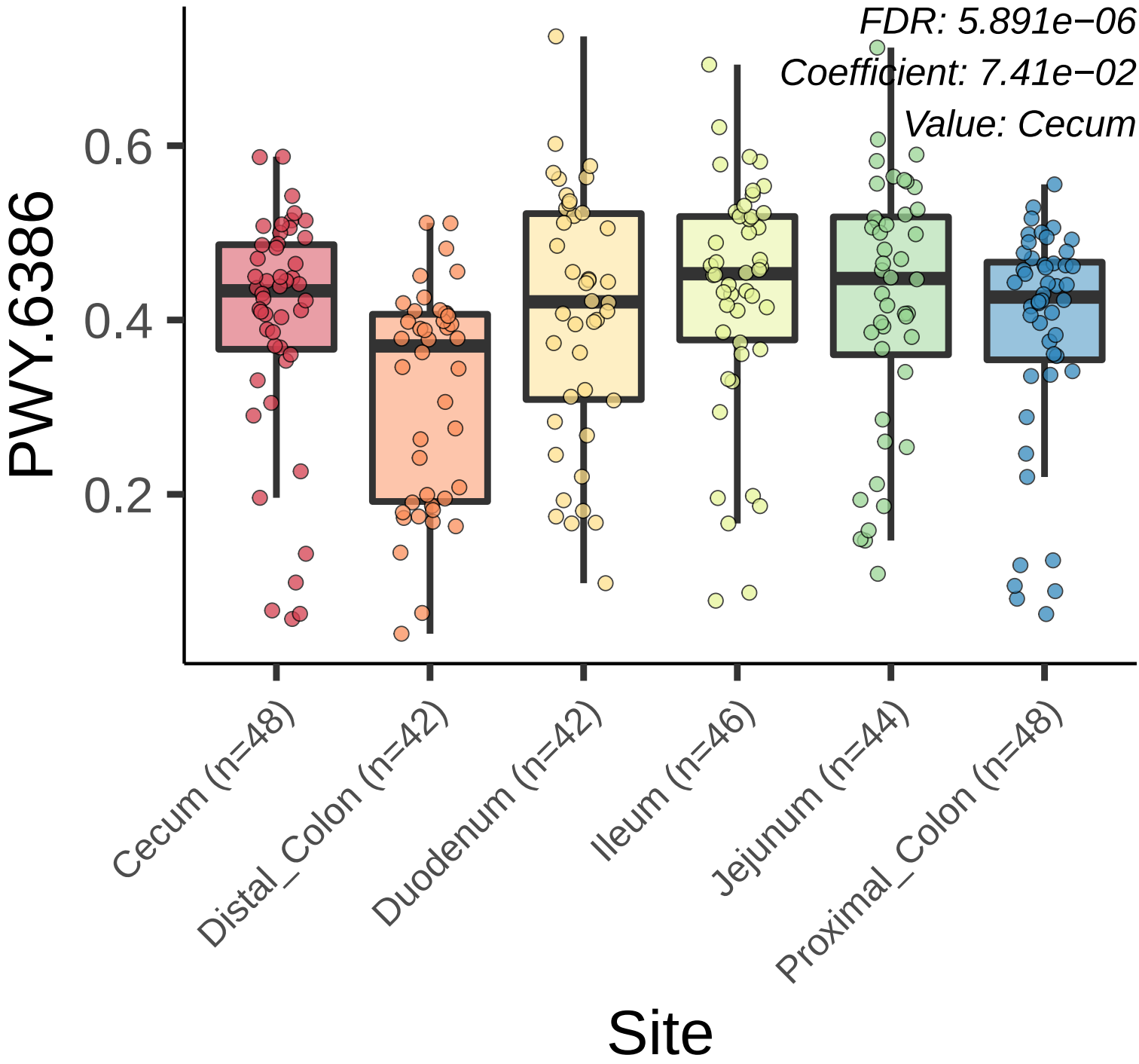

FDR: 5.324e−06
Coefficient: 9.26e−02
Value: Duodenum
PWY.6151
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

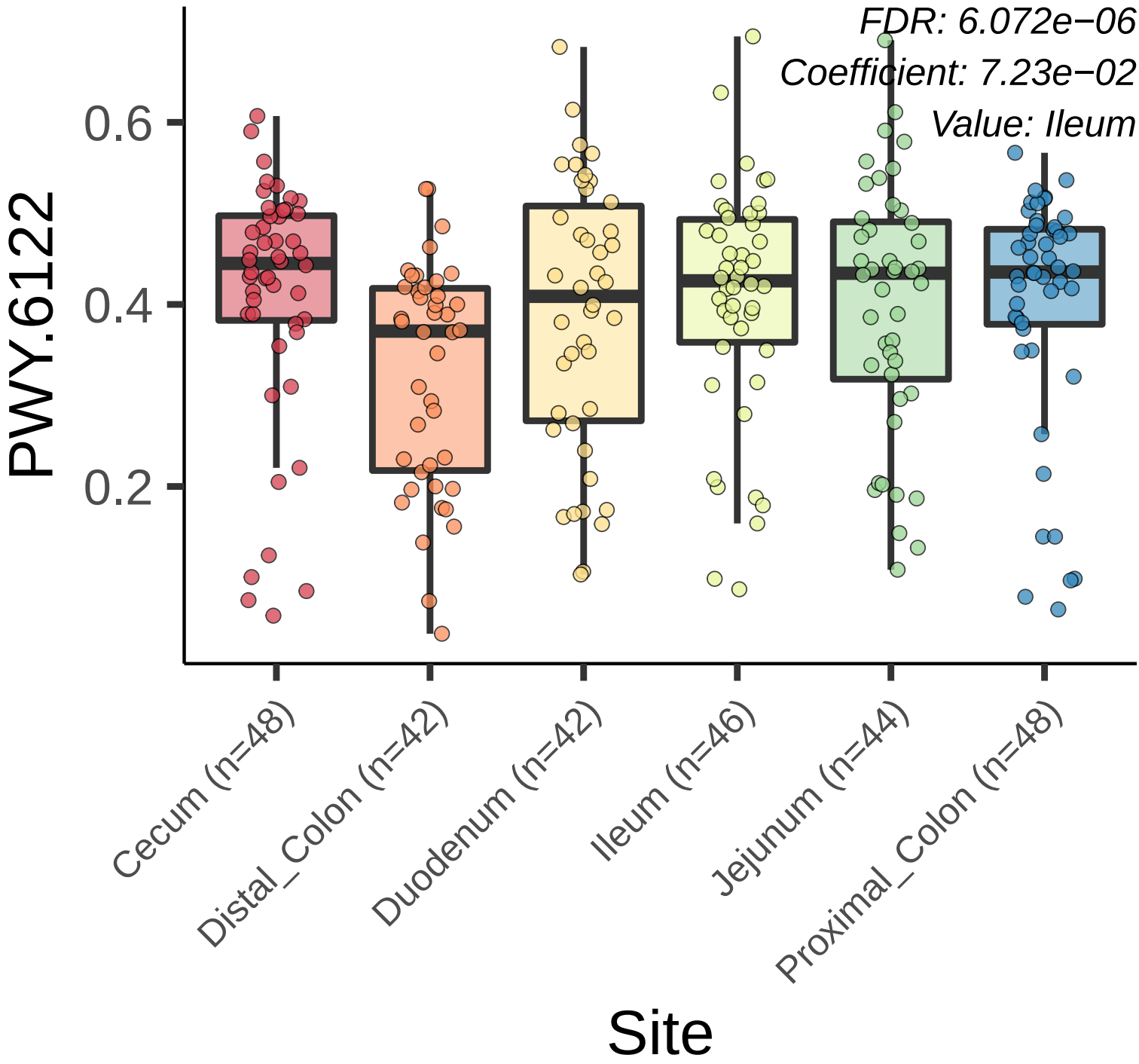

FDR: 5.358e−06
Coefficient: 7.23e−02
Value: Ileum
PWY.6121
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

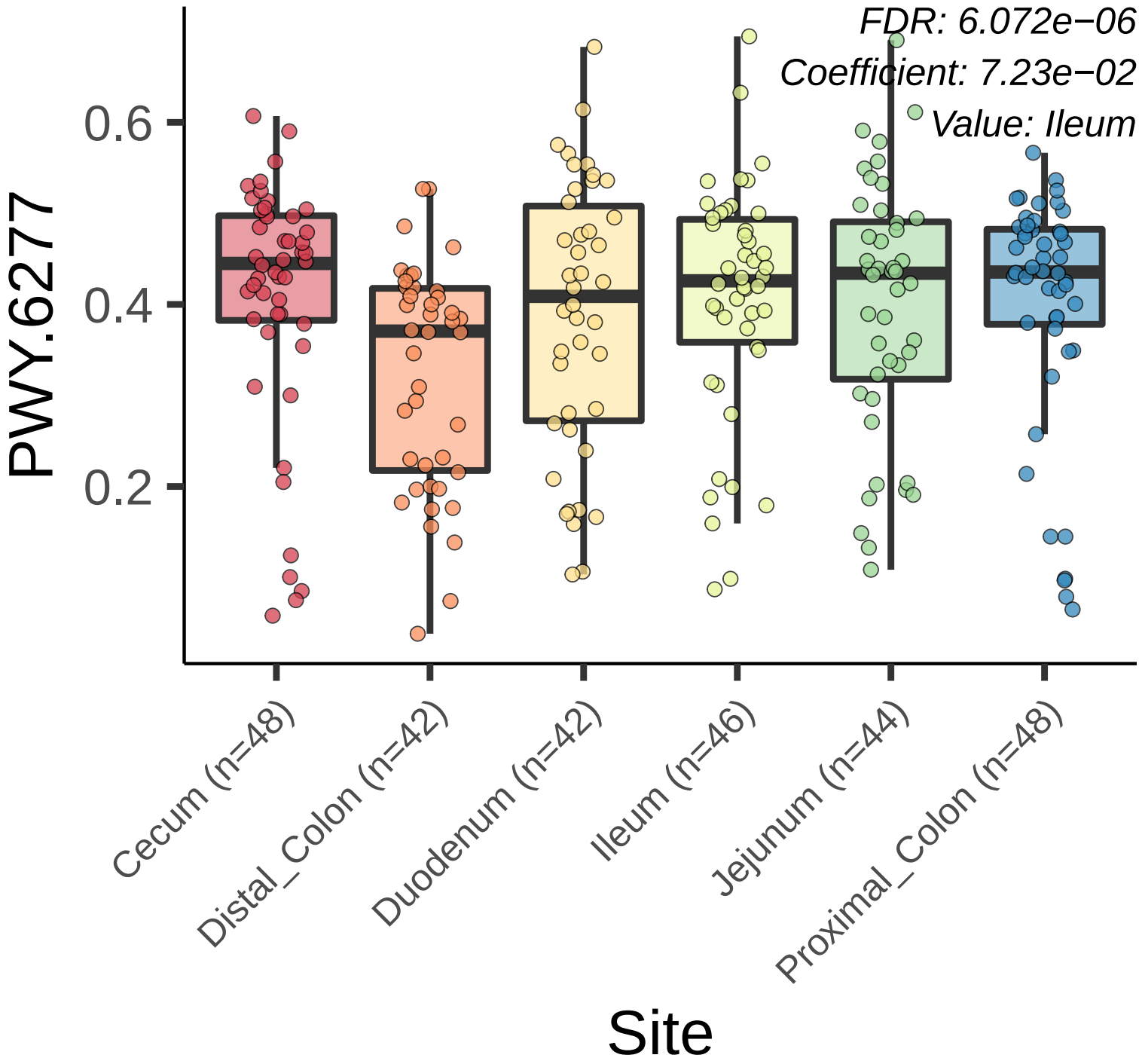

FDR: 5.358e−06
Coefficient: 7.82e−02
Value: Cecum
PWY.6123
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

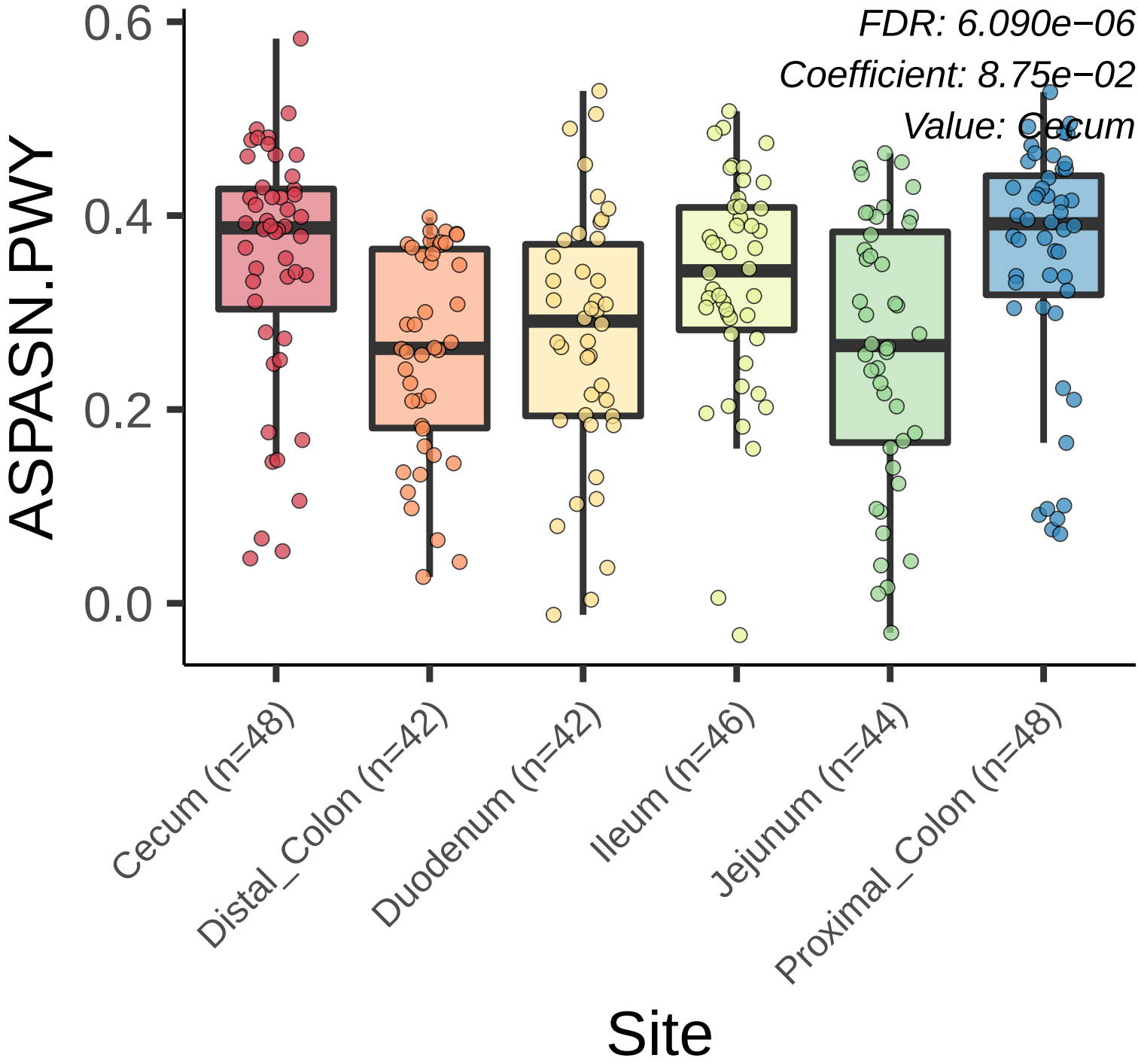

FDR: 5.531e−06
Coefficient: 2.25e−01
Value: Ileum
LACTOSECAT.PWY
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

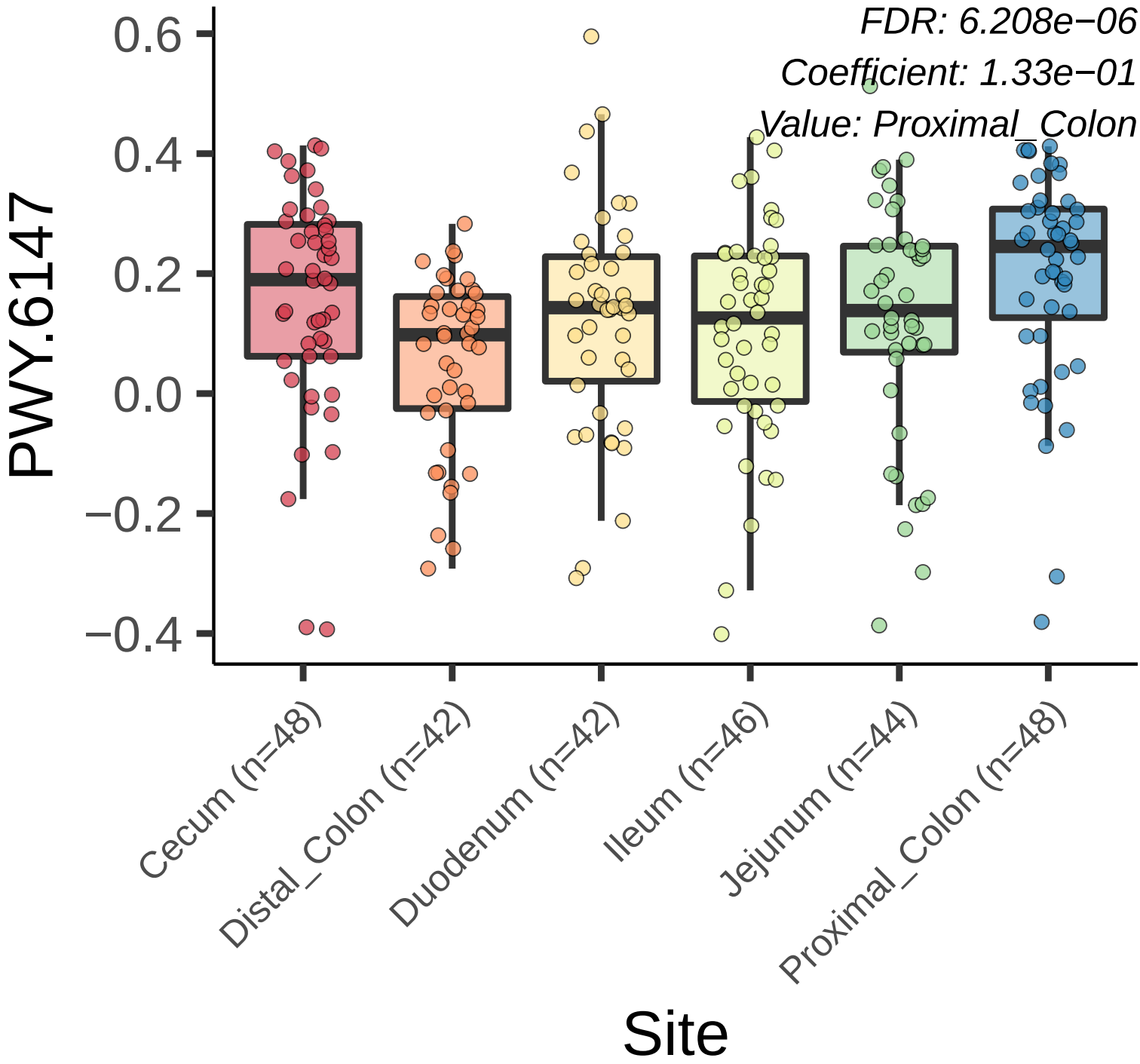

FDR: 5.645e−06
Coefficient: 6.48e−02
Value: Cecum
PWY.5484
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

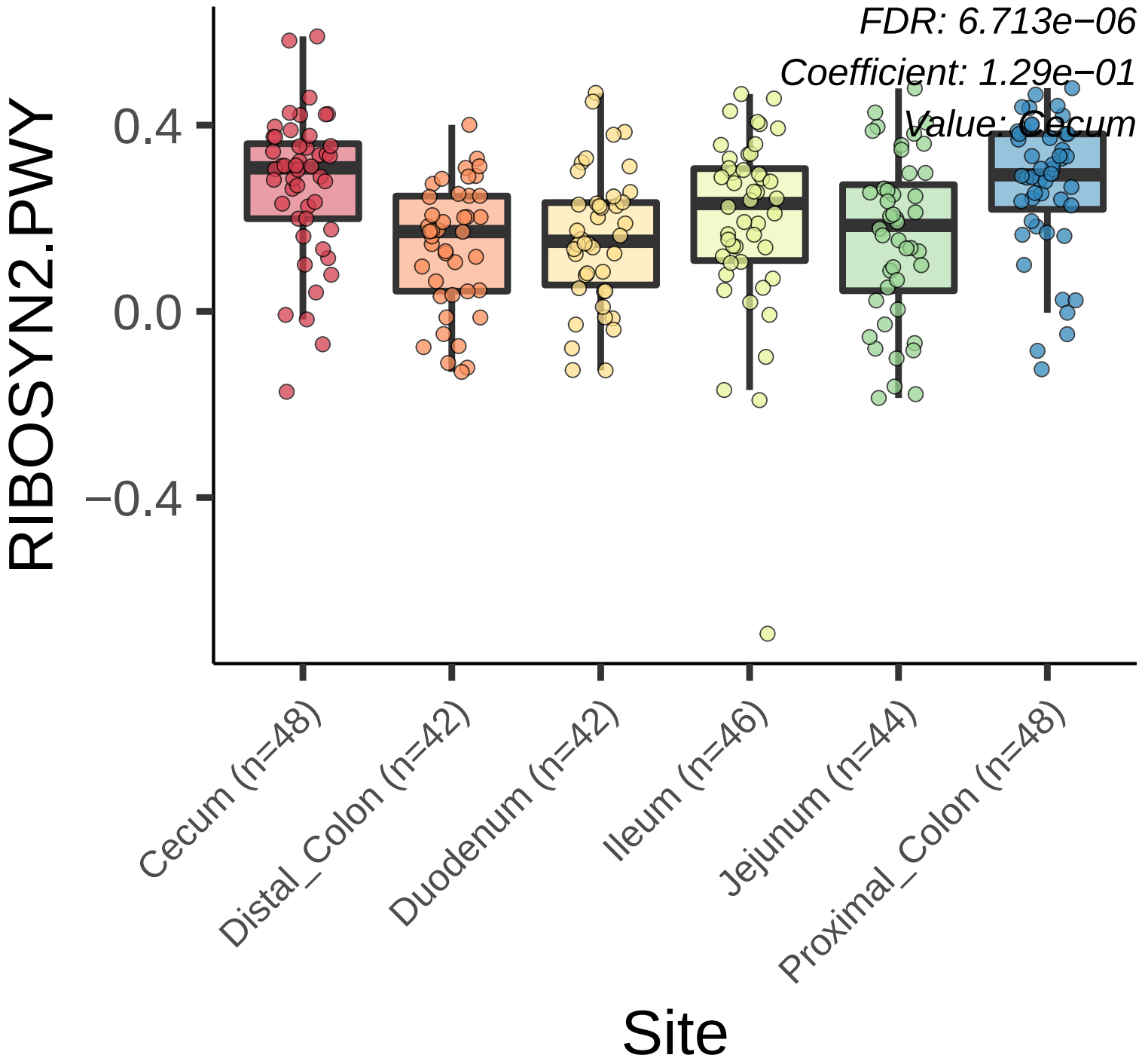

FDR: 5.891e−06
Coefficient: 7.41e−02
Value: Cecum
PWY.6386
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

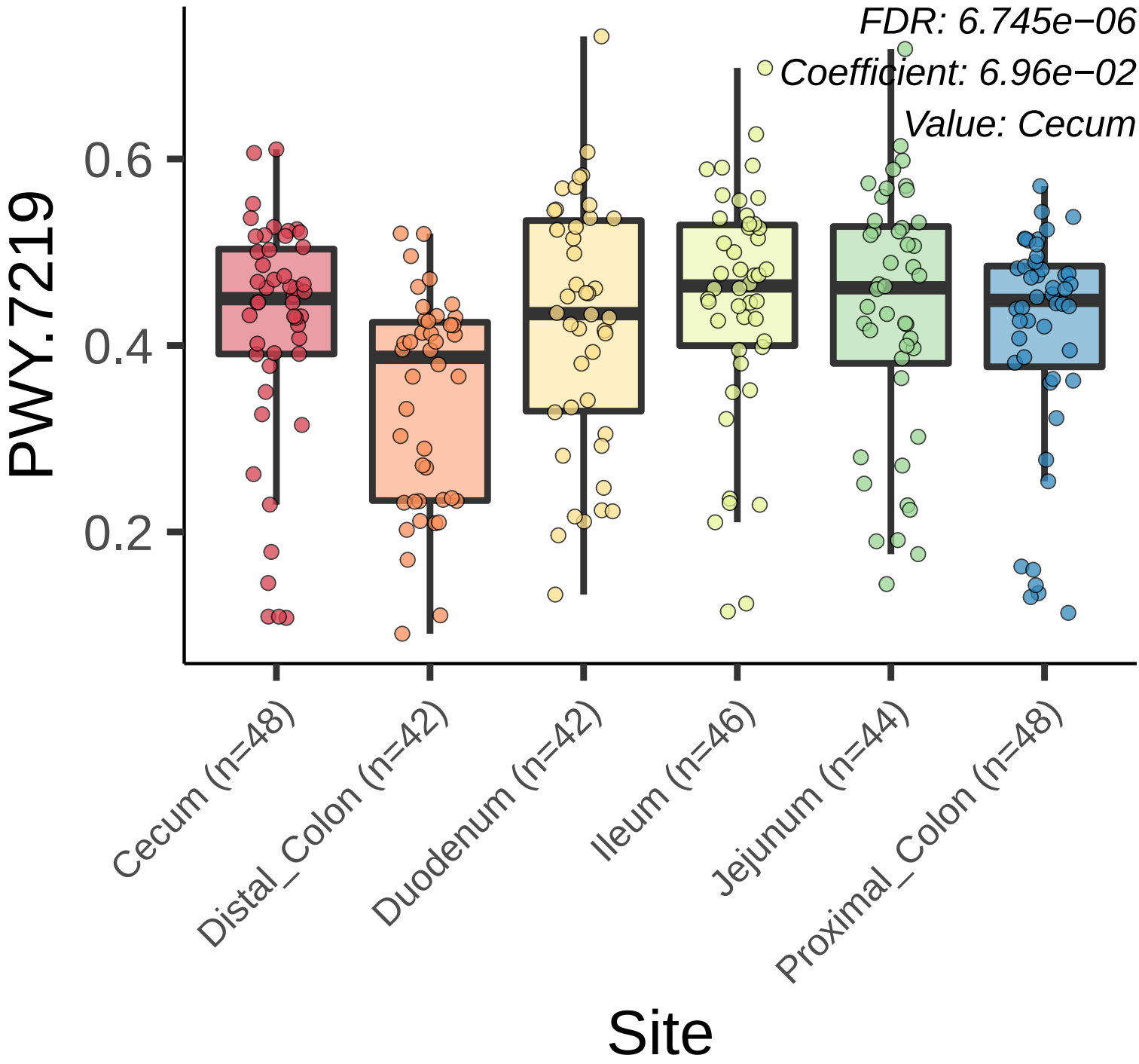

FDR: 6.072e−06
Coefficient: 7.23e−02
Value: Ileum
PWY.6122
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

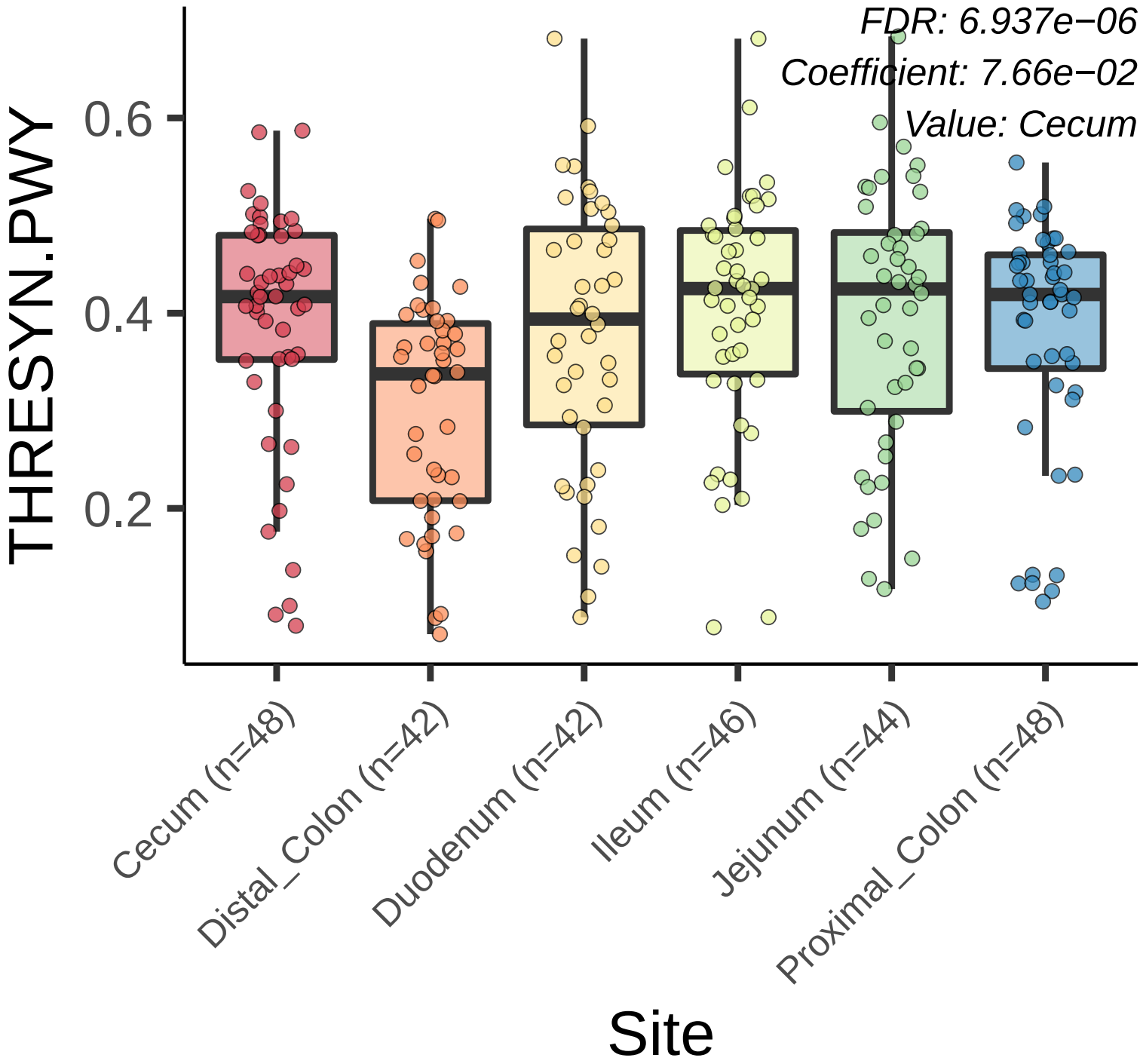

FDR: 6.072e−06
Coefficient: 7.23e−02
Value: Ileum
PWY.6277
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

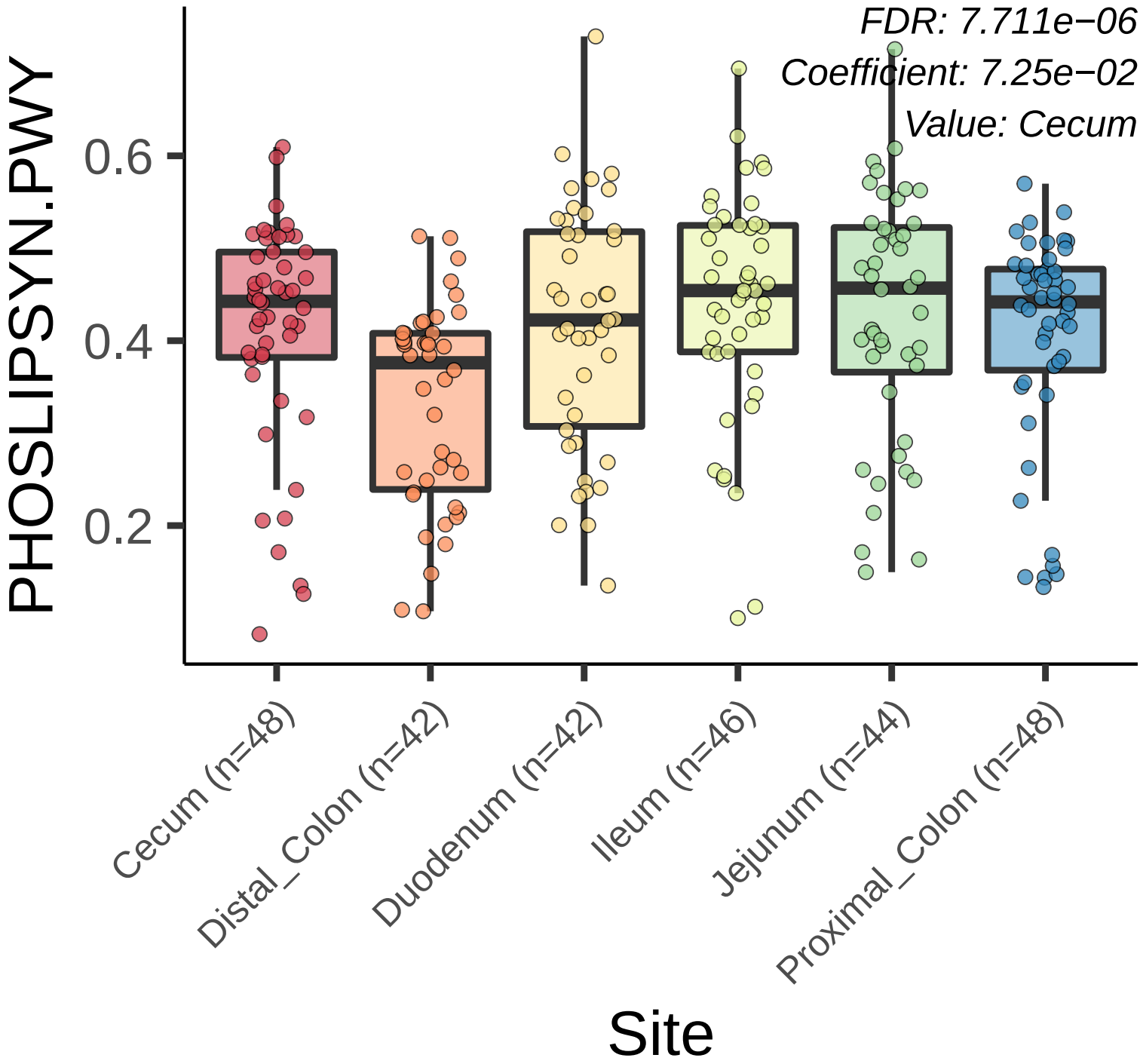

FDR: 6.090e−06
Coefficient: 8.75e−02
Value: Cecum
ASPASN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

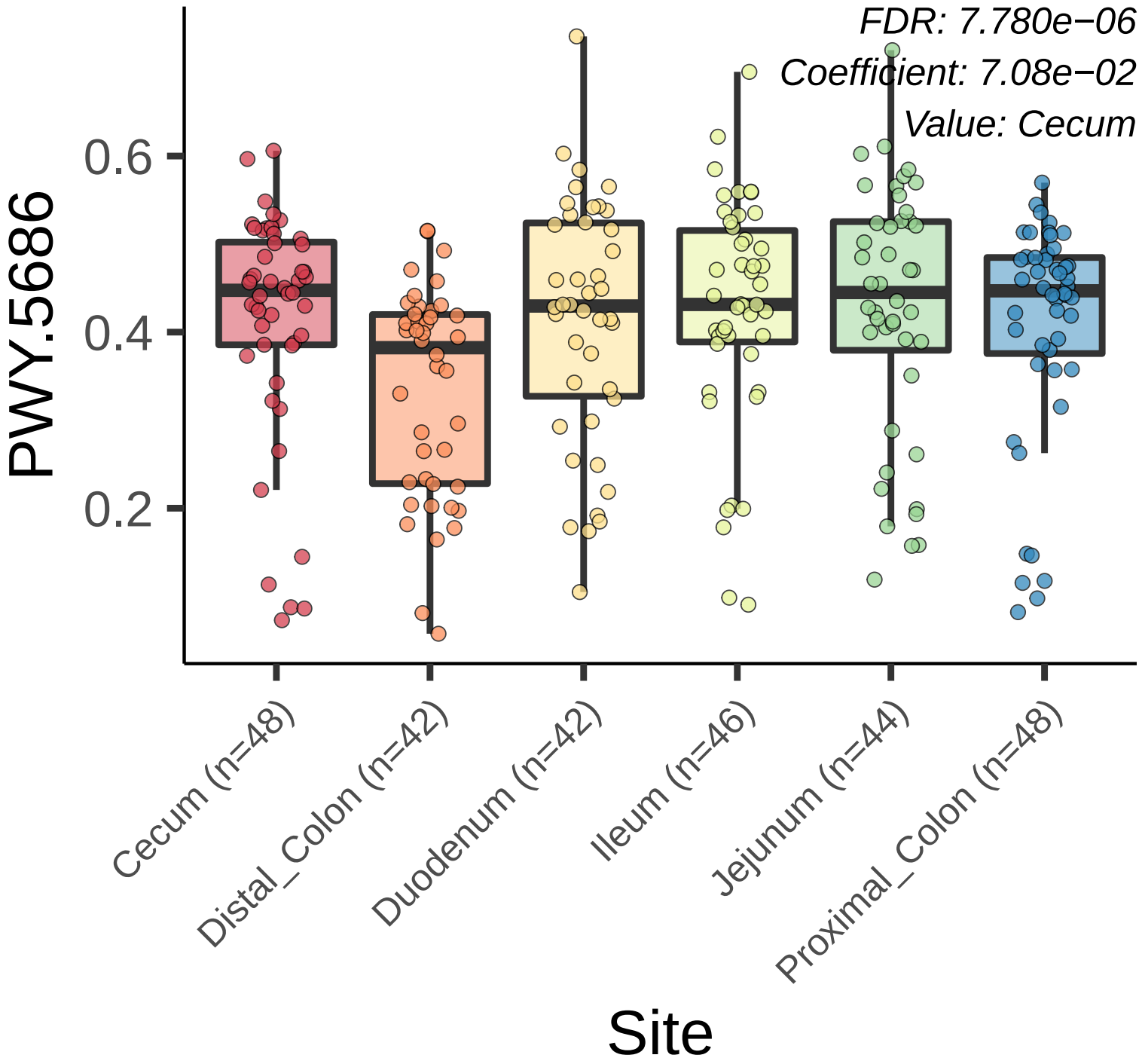

FDR: 6.208e−06
Coefficient: 1.33e−01
Value: Proximal_Colon
PWY.6147
0.6
0.4
0.2
0.0
−0.2
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

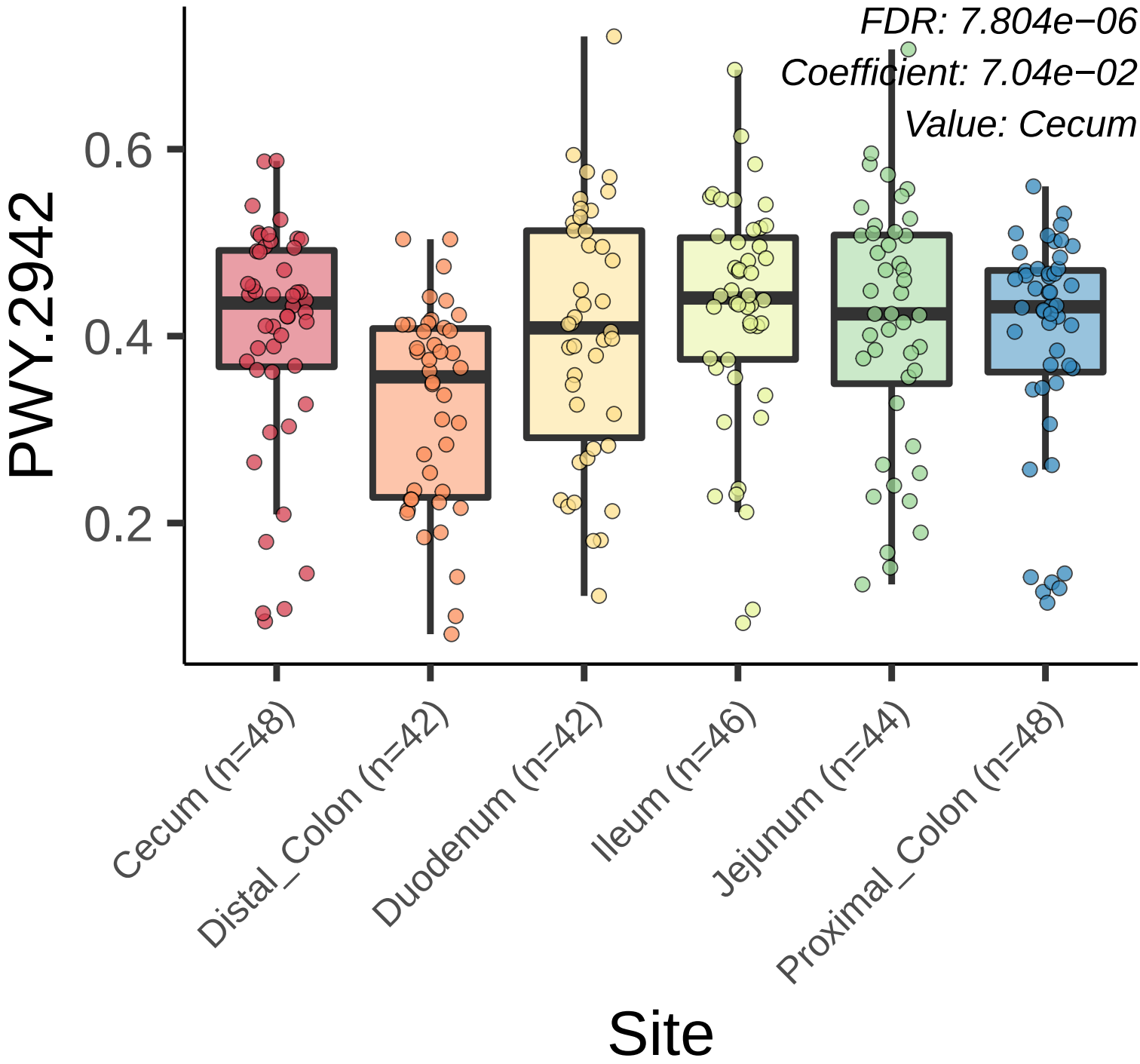

FDR: 6.713e−06
Coefficient: 1.29e−01
Value: Cecum
RIBOSYN2.PWY
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

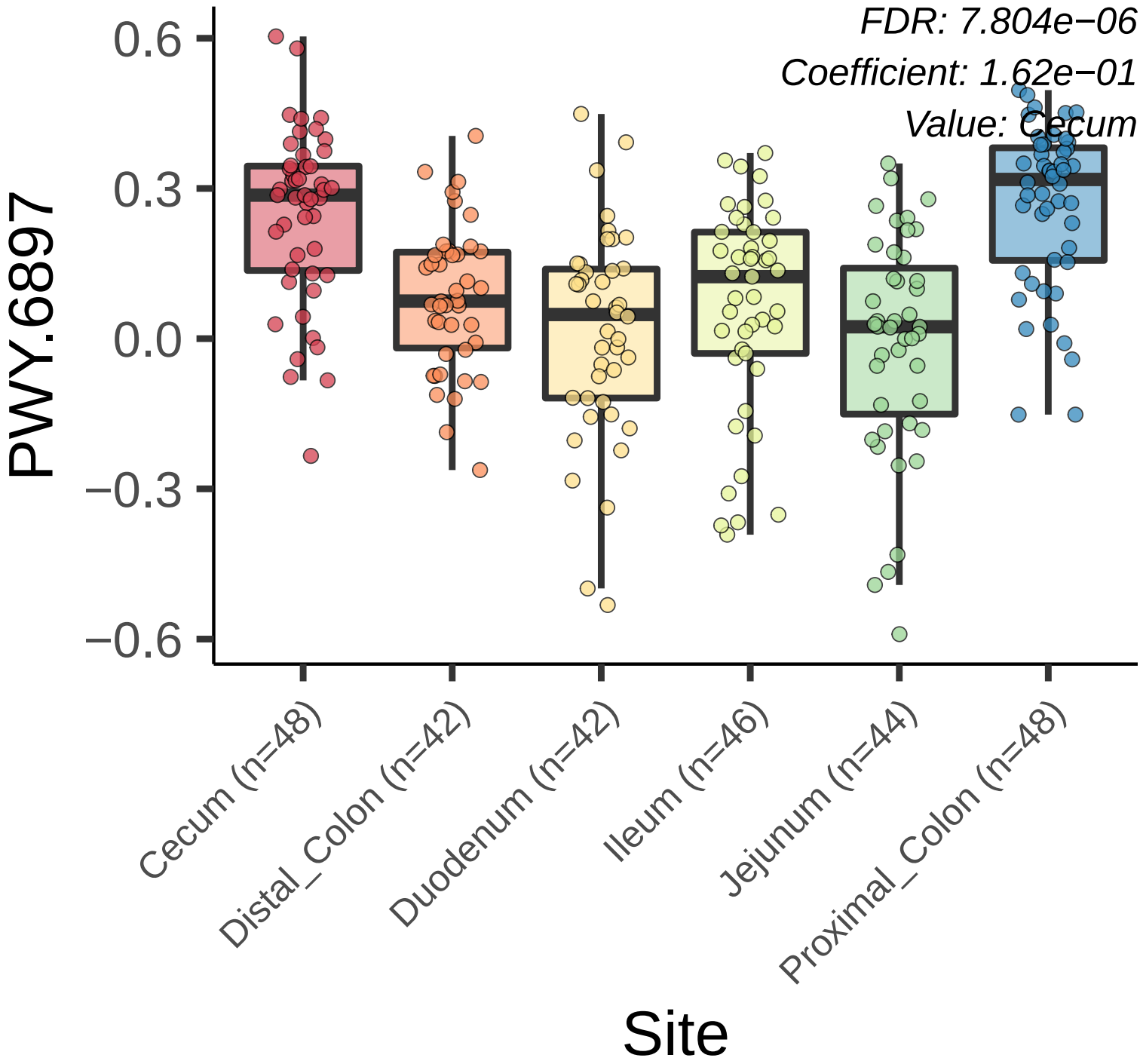

FDR: 6.745e−06
Coefficient: 6.96e−02
Value: Cecum
PWY.7219
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

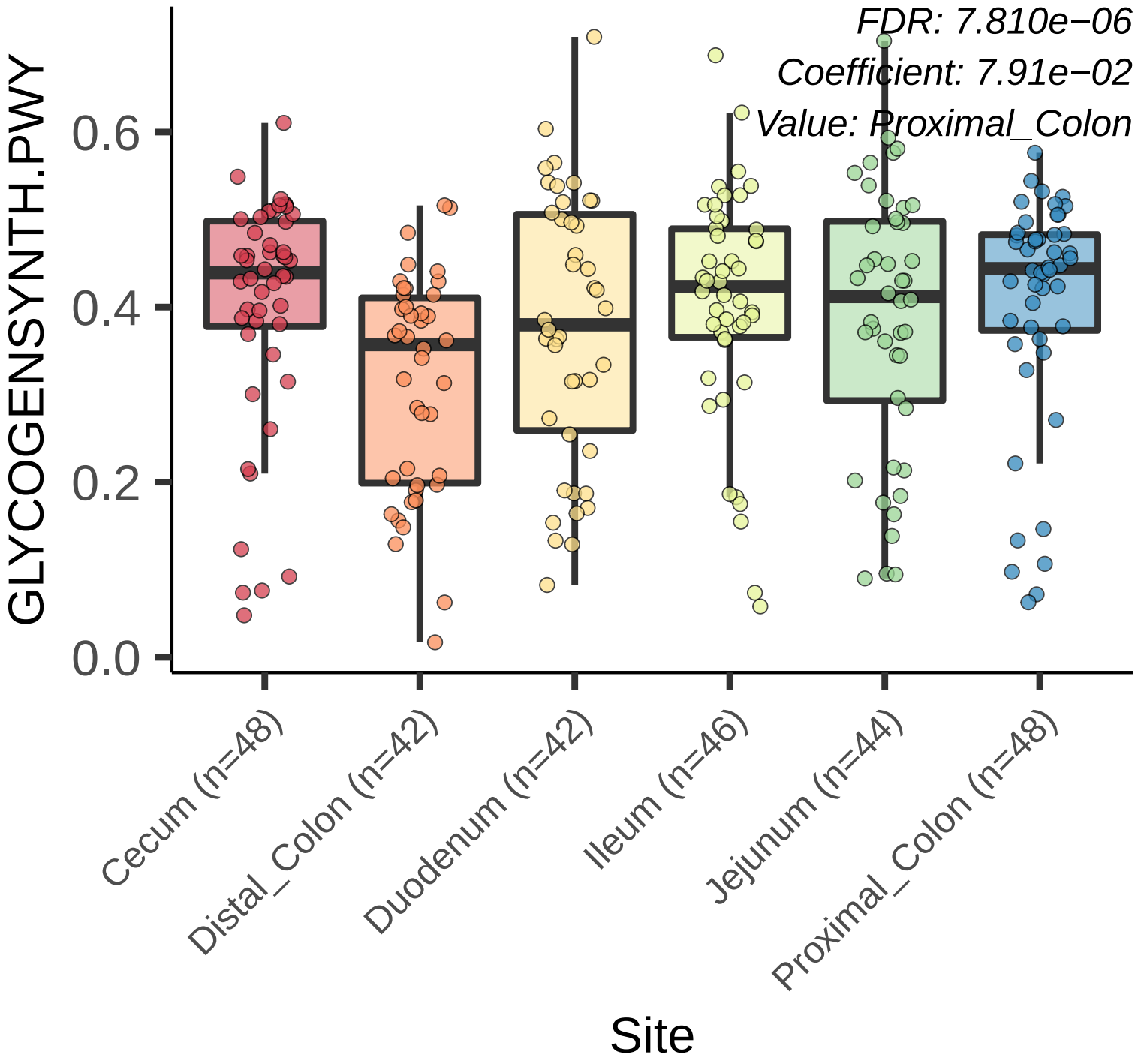

FDR: 6.937e−06
Coefficient: 7.66e−02
Value: Cecum
THRESYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

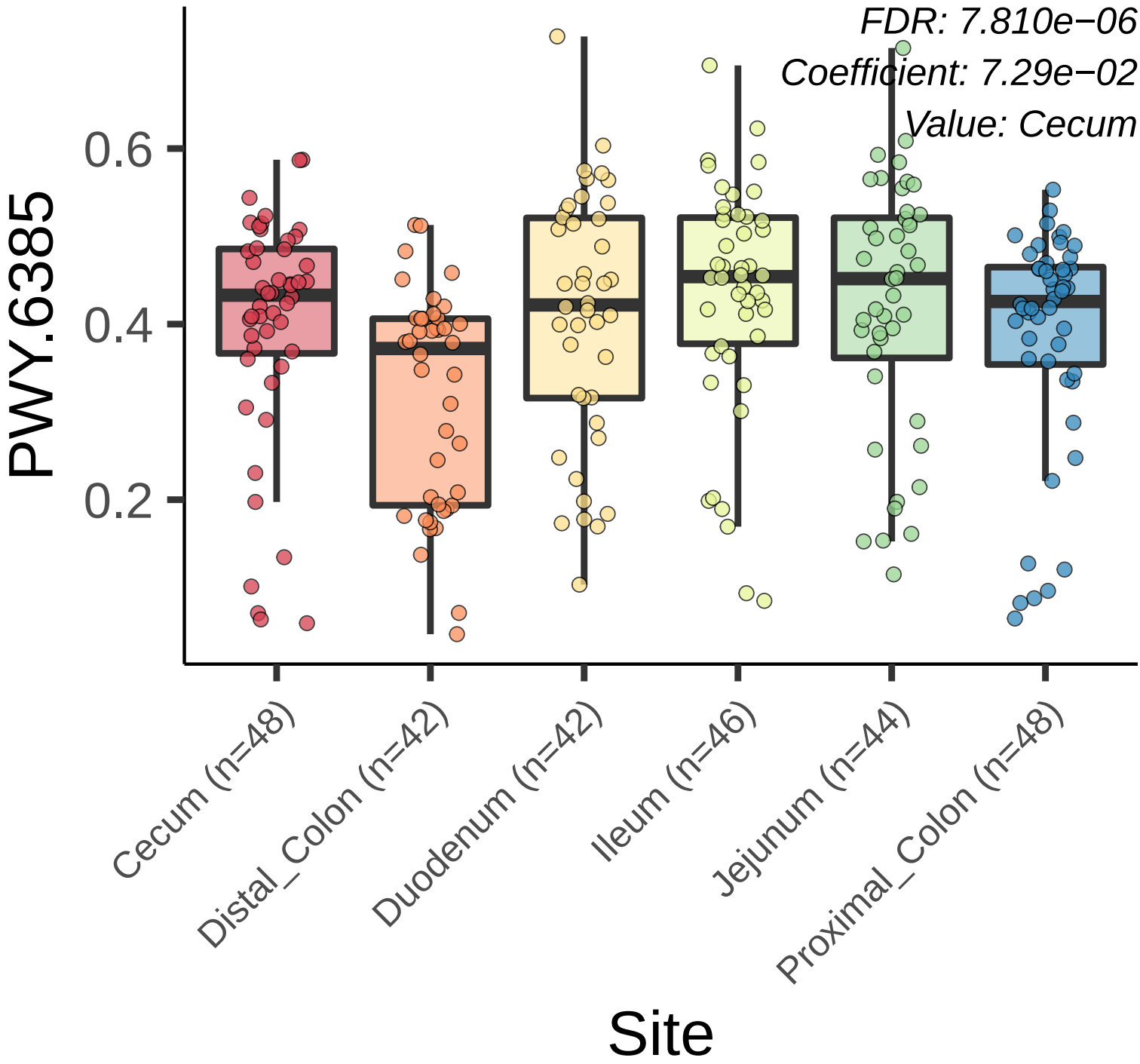

FDR: 7.711e−06
Coefficient: 7.25e−02
Value: Cecum
PHOSLIPSYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

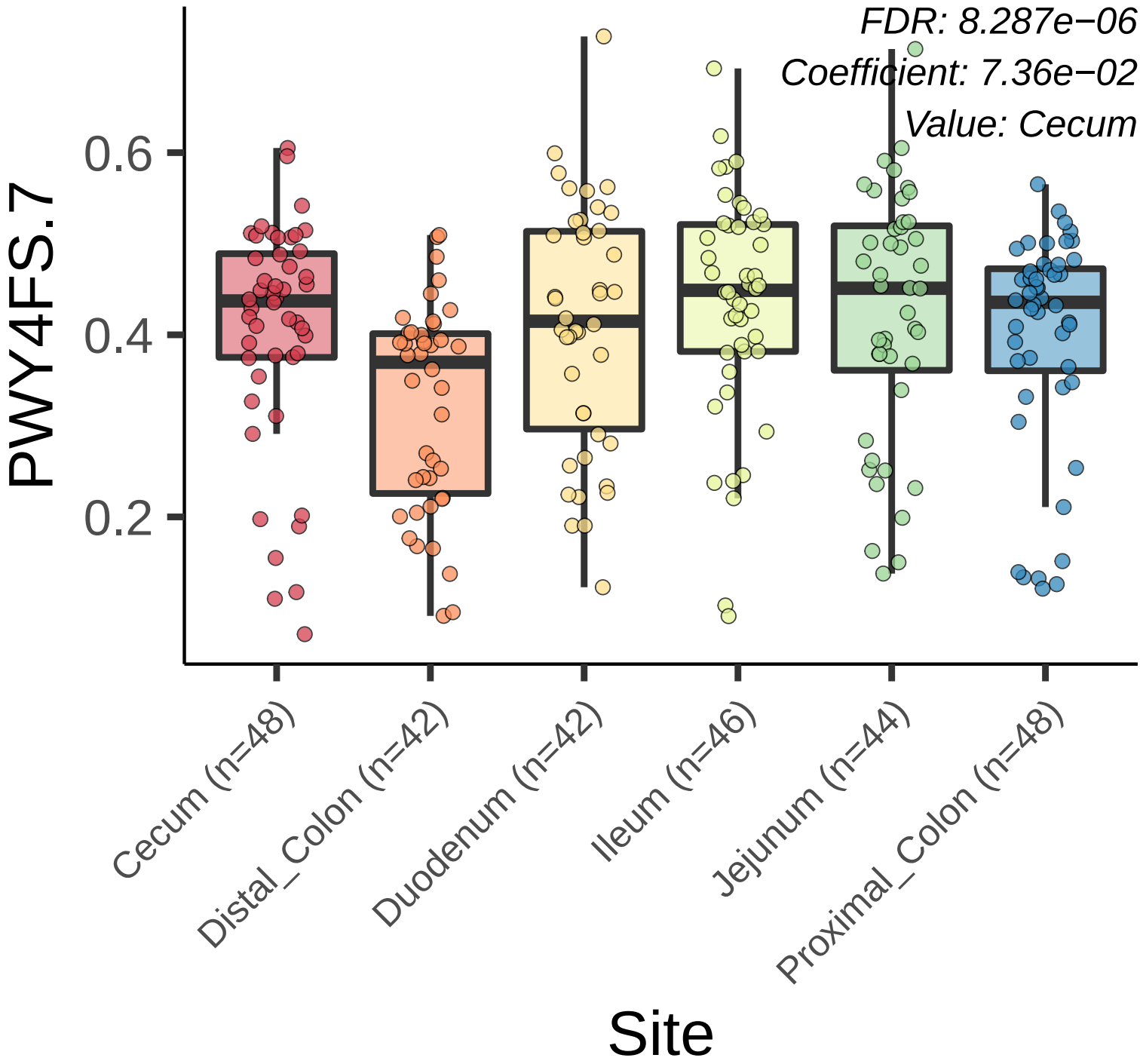

FDR: 7.780e−06
Coefficient: 7.08e−02
Value: Cecum
PWY.5686
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

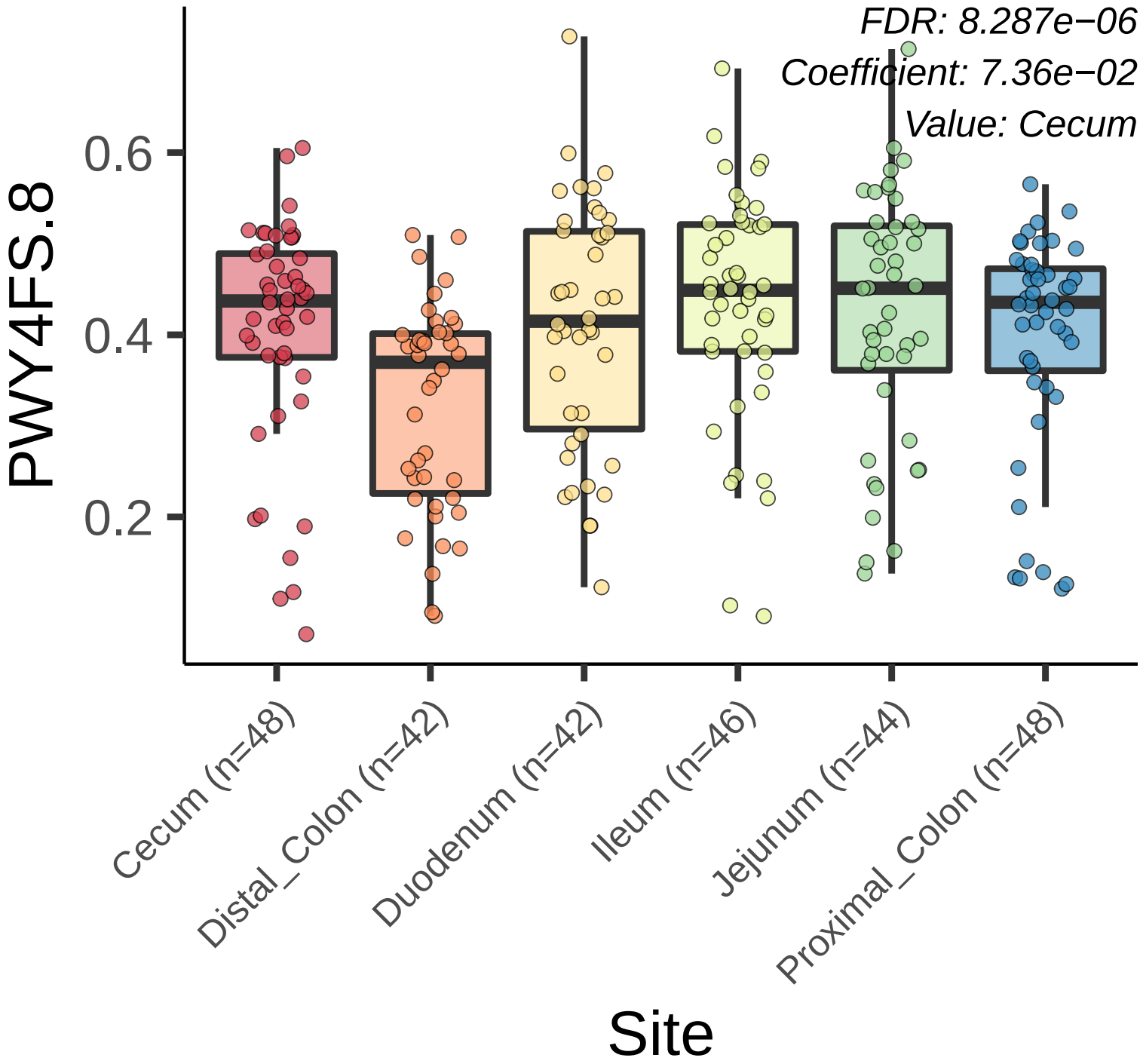

FDR: 7.804e−06
Coefficient: 7.04e−02
Value: Cecum
PWY.2942
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

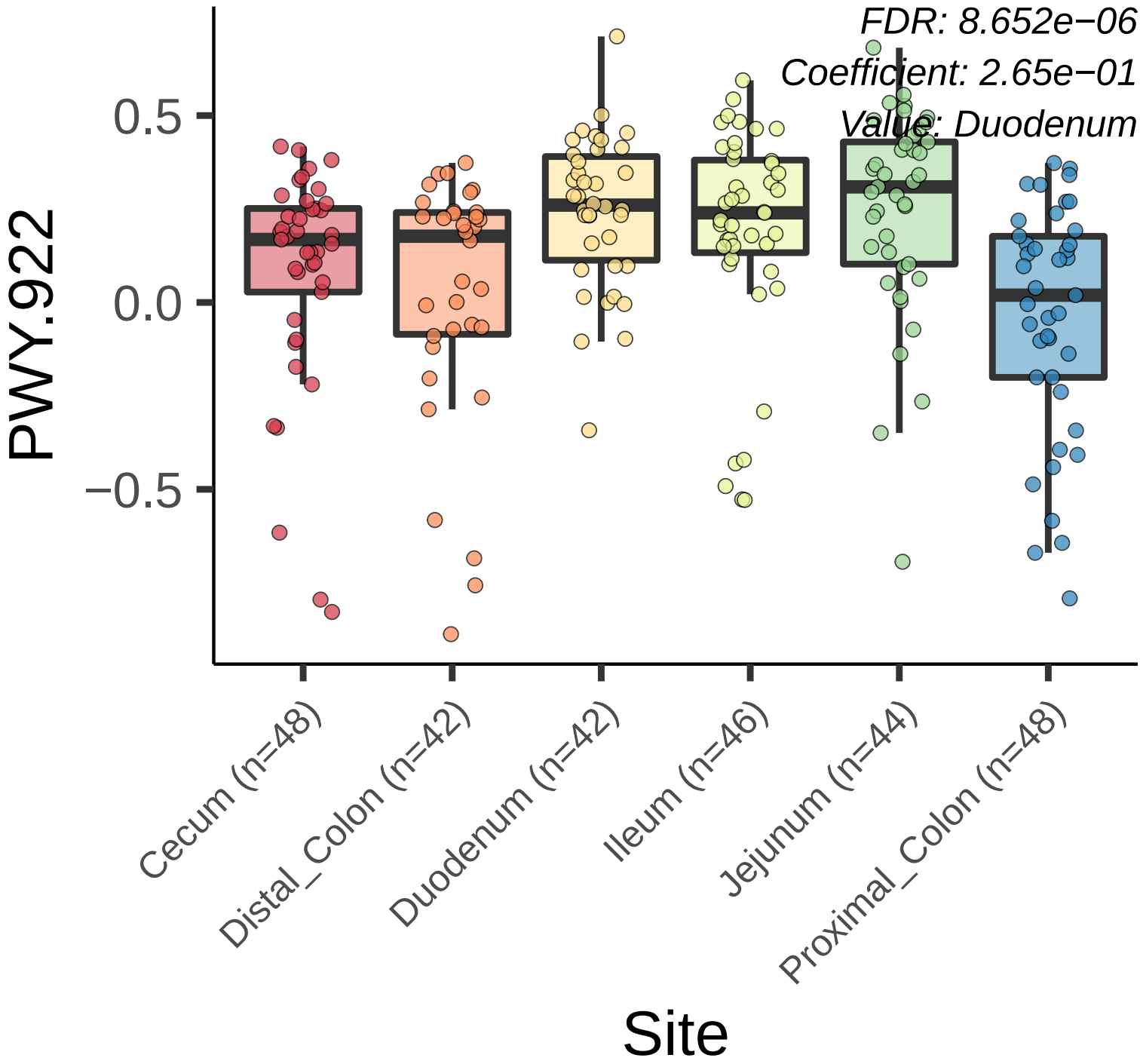

FDR: 7.804e−06
Coefficient: 1.62e−01
Value: Cecum
PWY.6897
0.6
0.3
0.0
−0.3
−0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

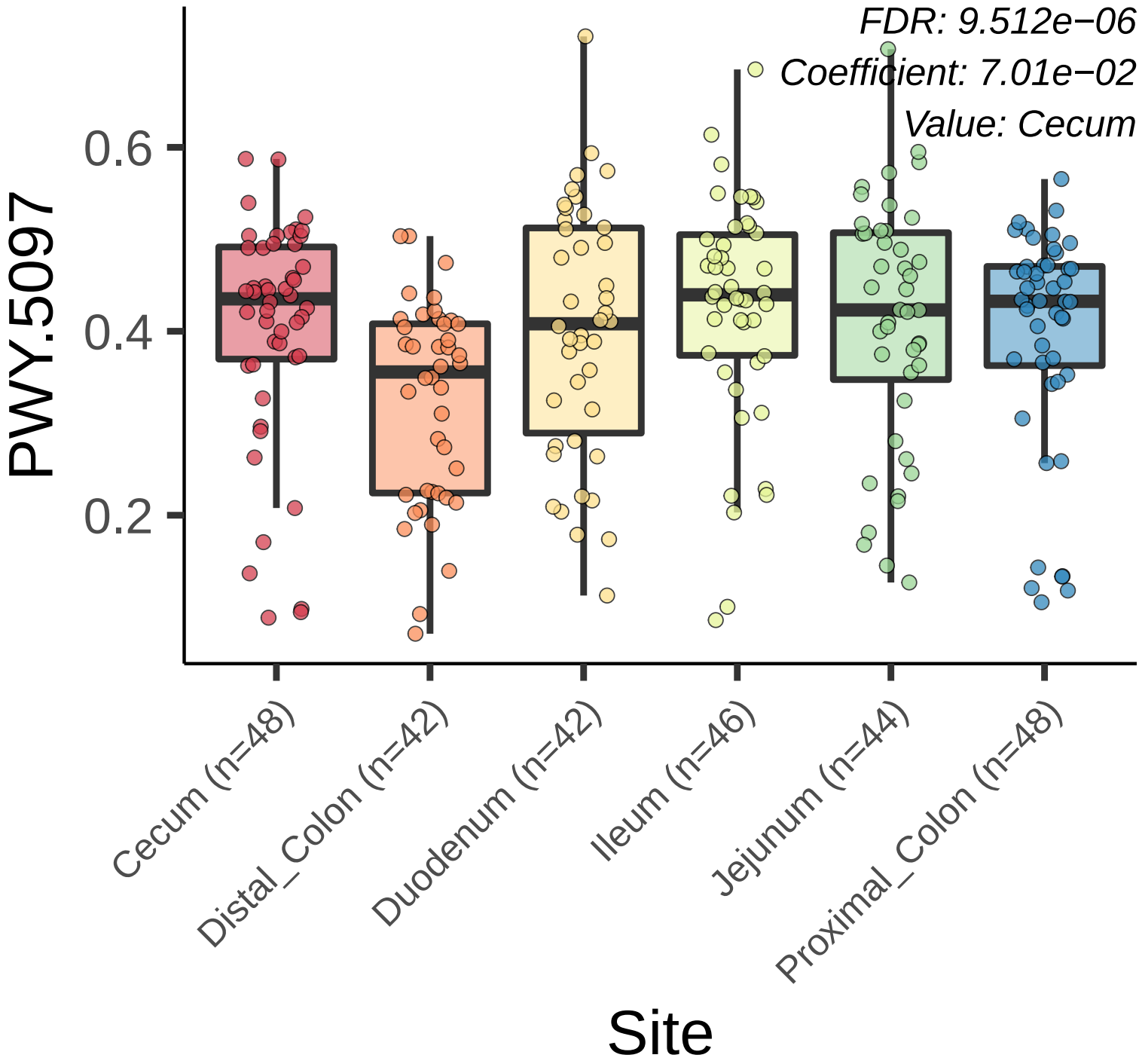

FDR: 7.810e−06
Coefficient: 7.91e−02
Value: Proximal_Colon
GLYCOGENSYNTH.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

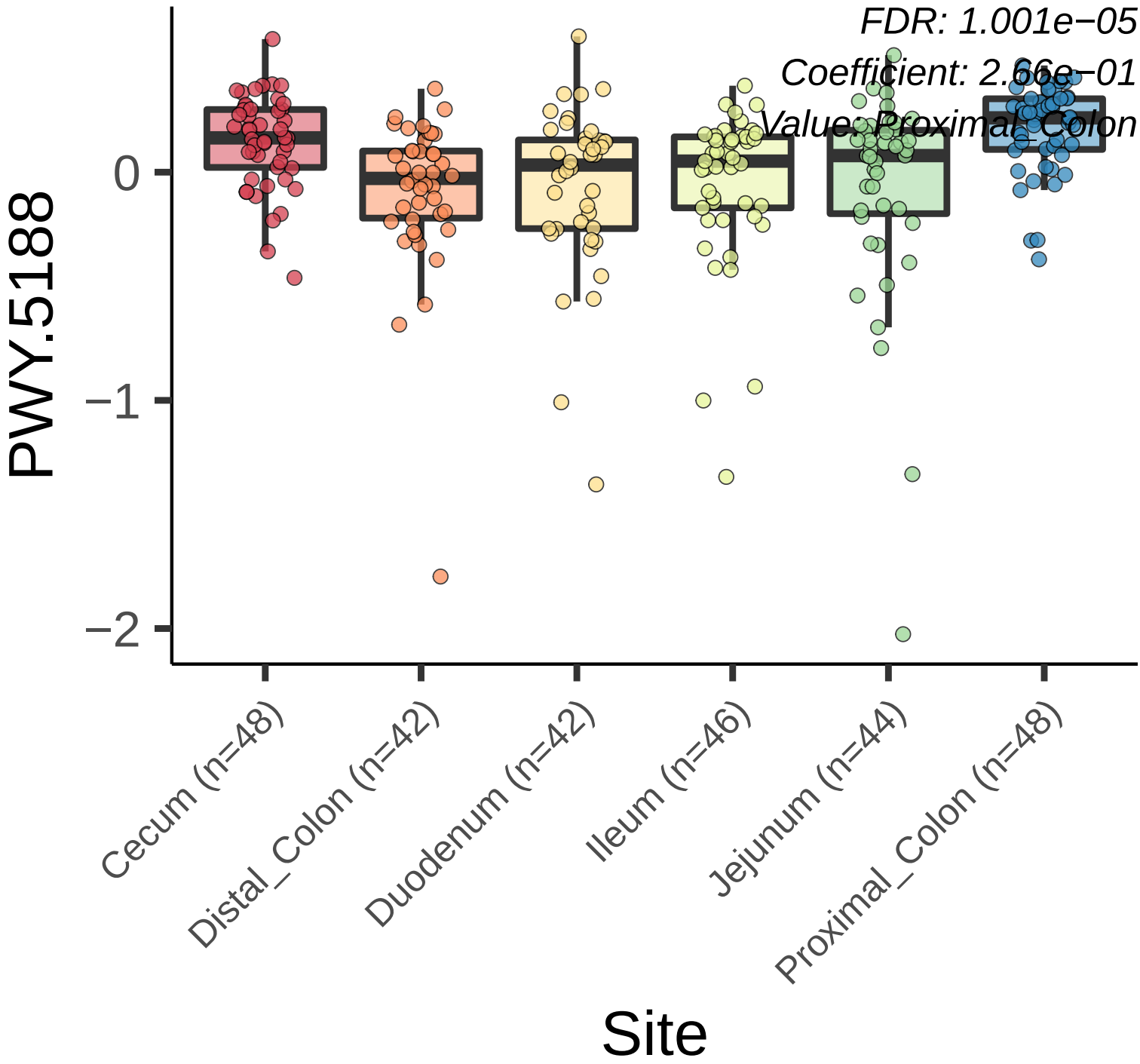

FDR: 7.810e−06
Coefficient: 7.29e−02
Value: Cecum
PWY.6385
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

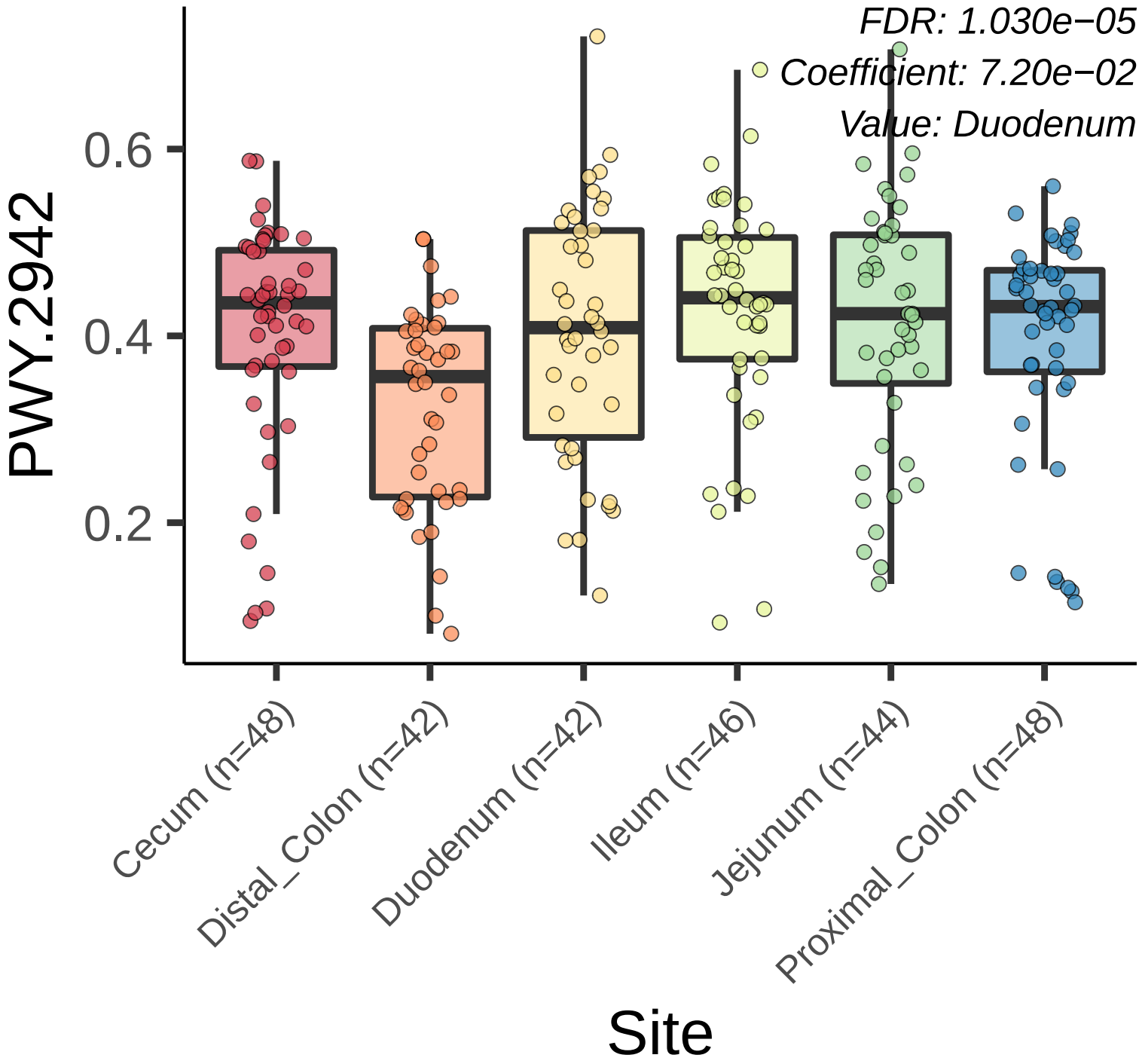

FDR: 8.287e−06
Coefficient: 7.36e−02
Value: Cecum
PWY4FS.7
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

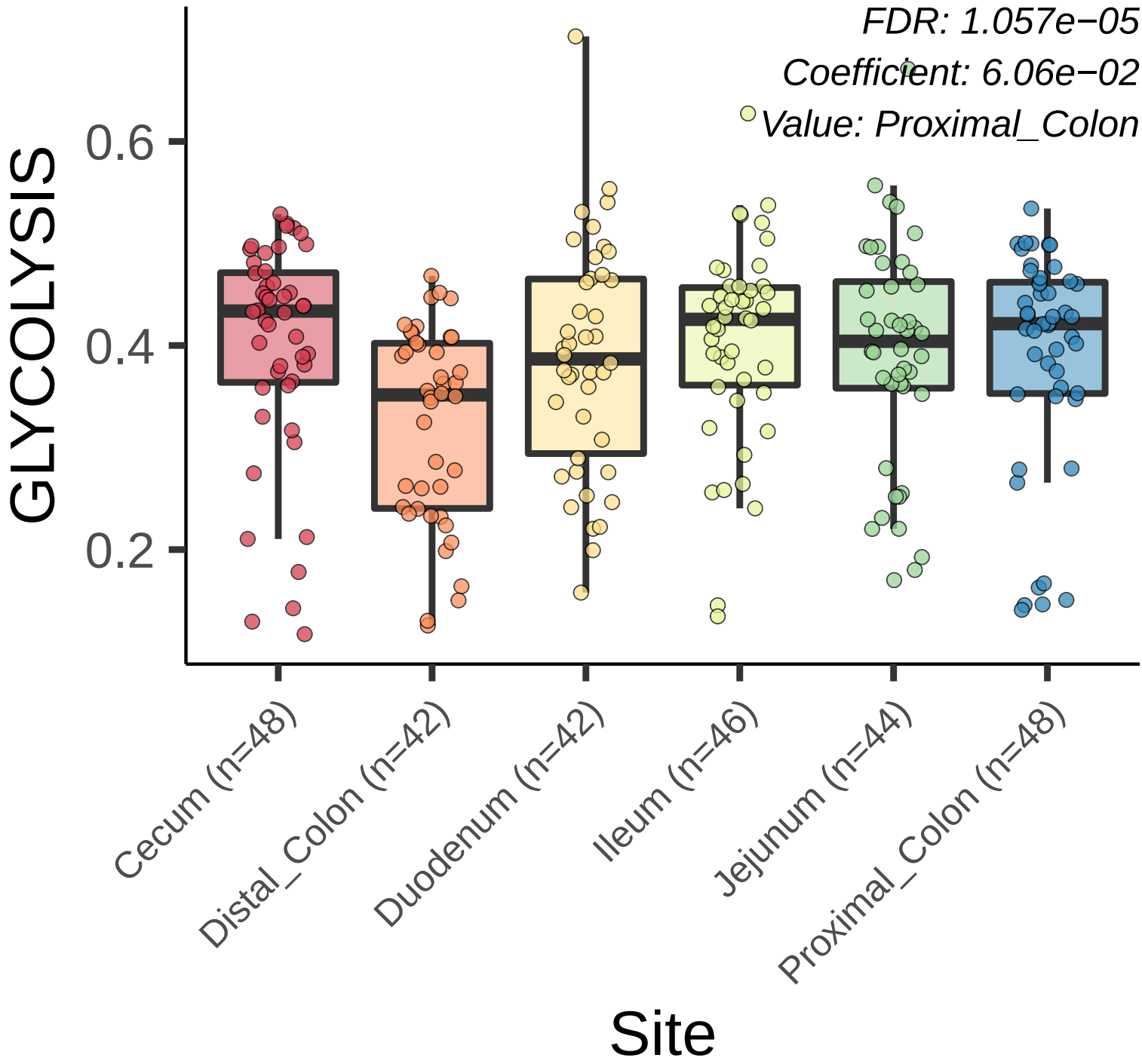

FDR: 8.287e−06
Coefficient: 7.36e−02
Value: Cecum
PWY4FS.8
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

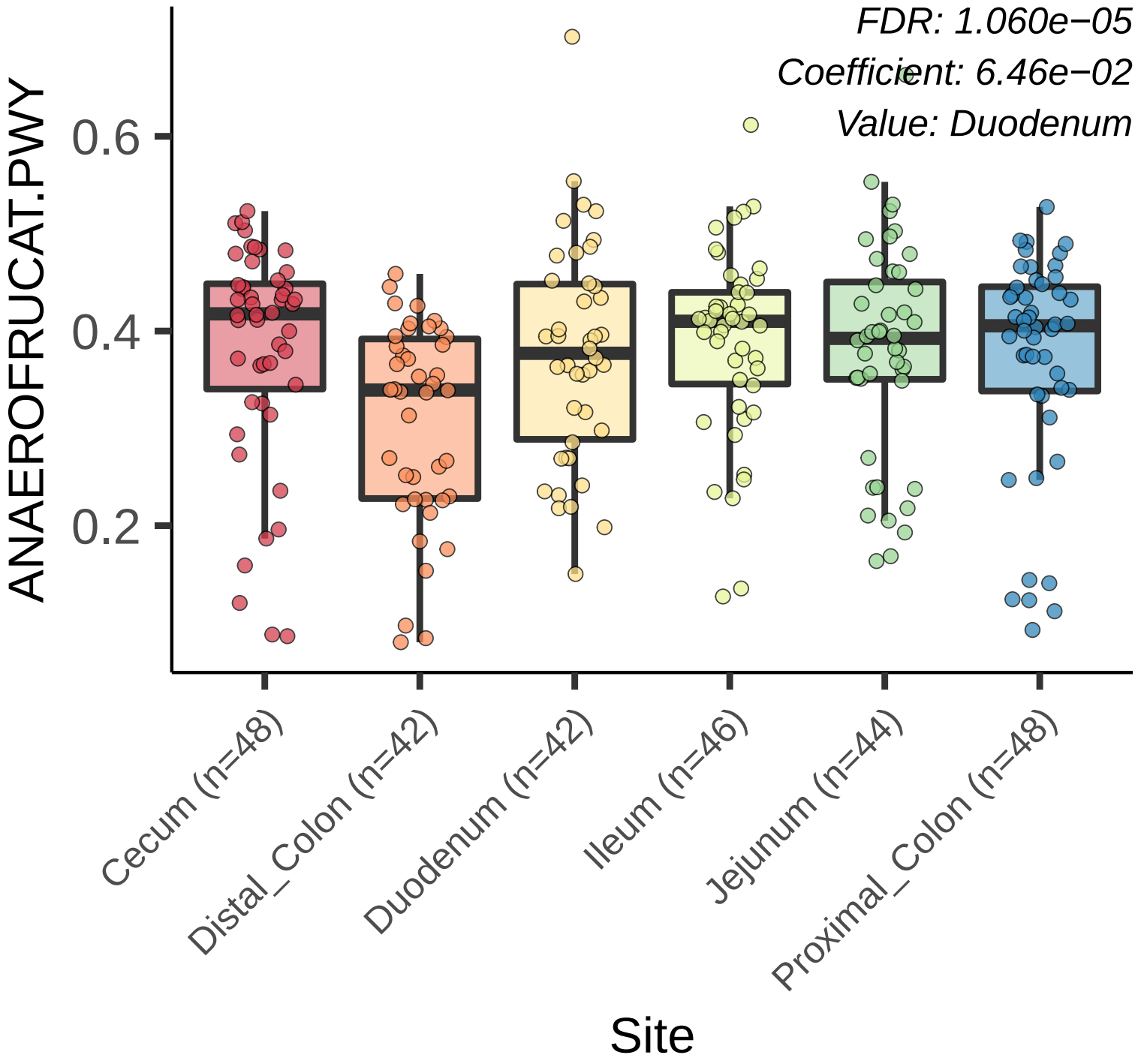

FDR: 8.652e−06
Coefficient: 2.65e−01
Value: Duodenum
PWY.922
0.5
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

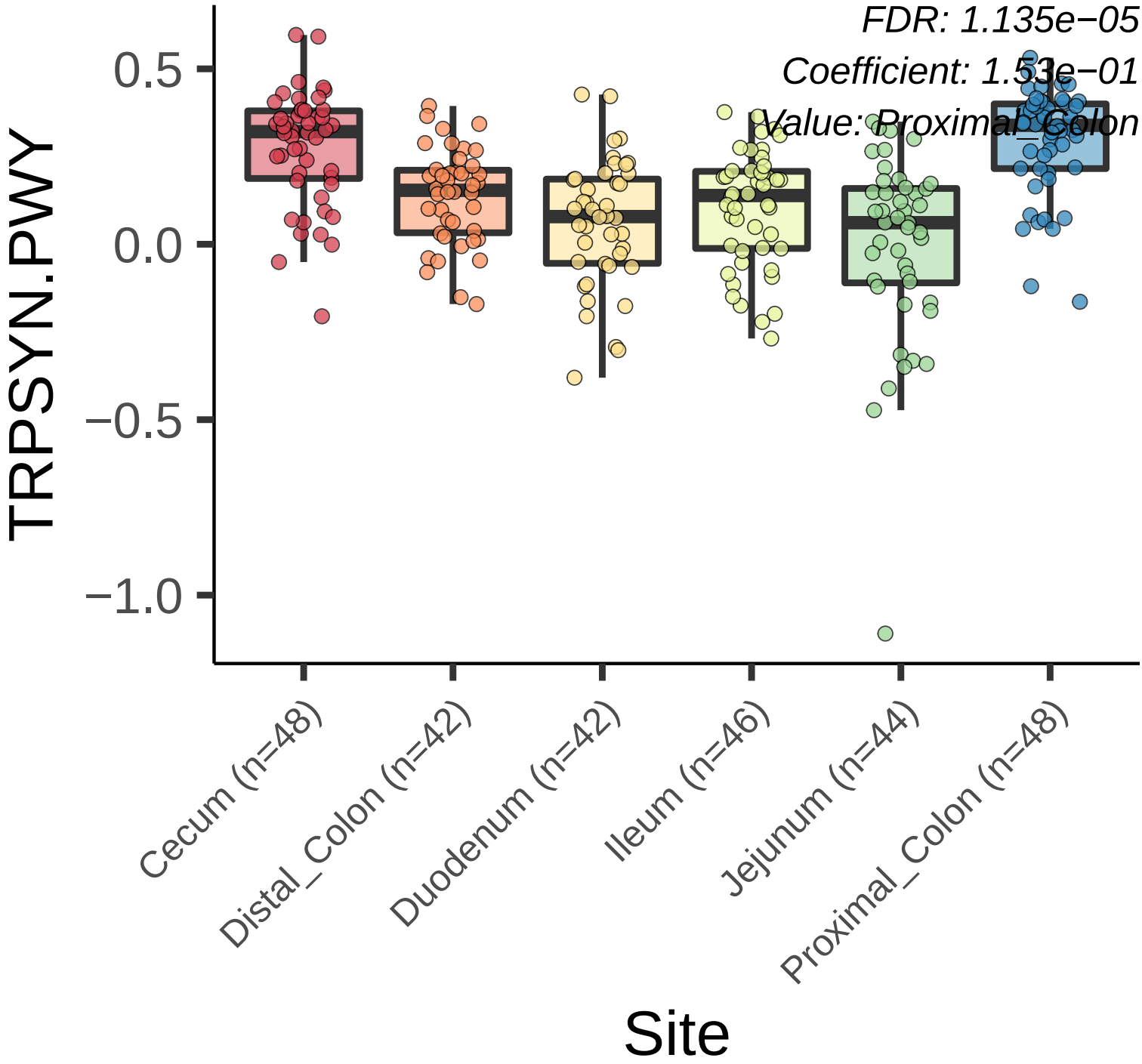

FDR: 9.512e−06
Coefficient: 7.01e−02
Value: Cecum
PWY.5097
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

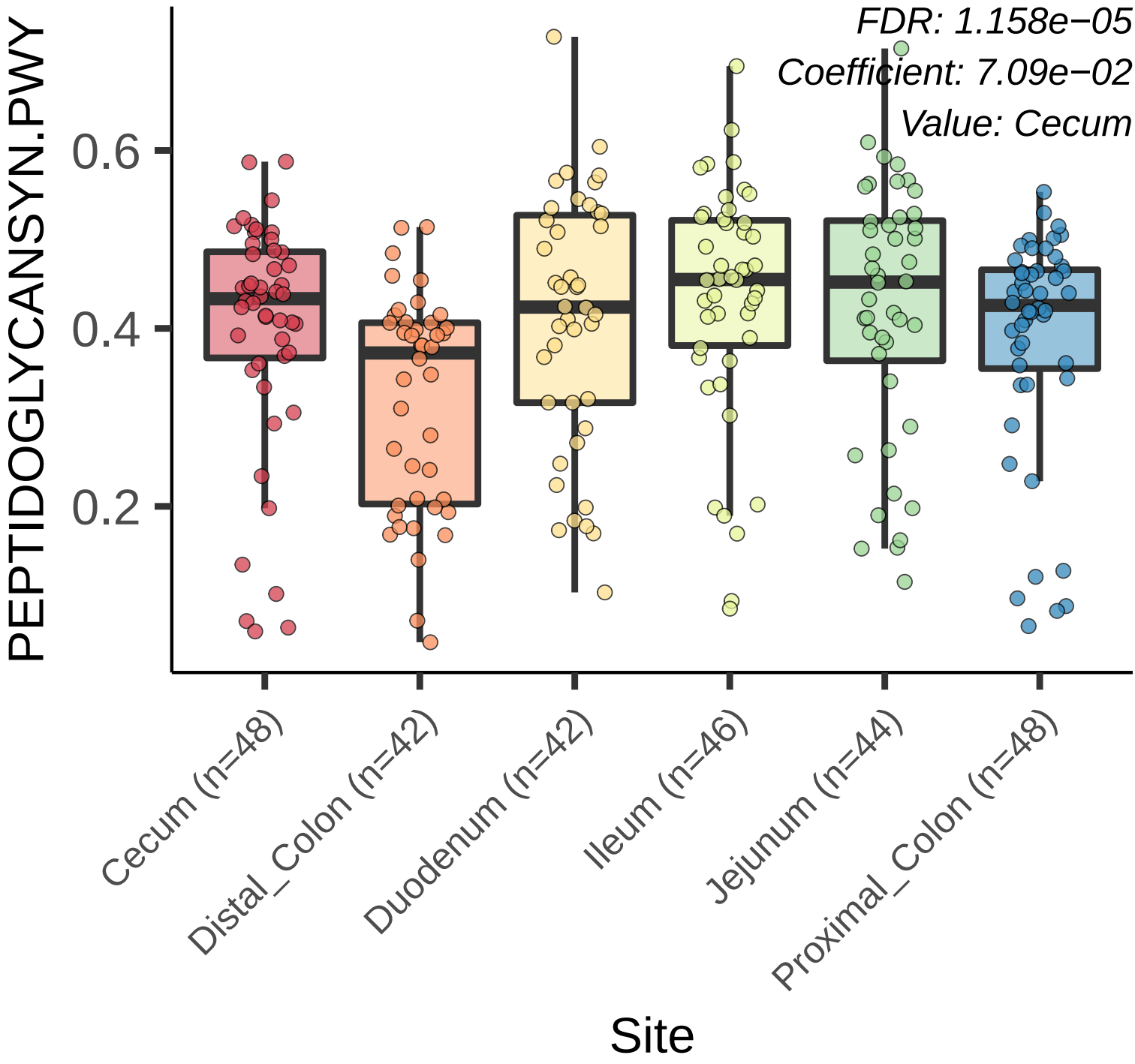

FDR: 1.001e−05
Coefficient: 2.66e−01
Value: Proximal_Colon
PWY.5188
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

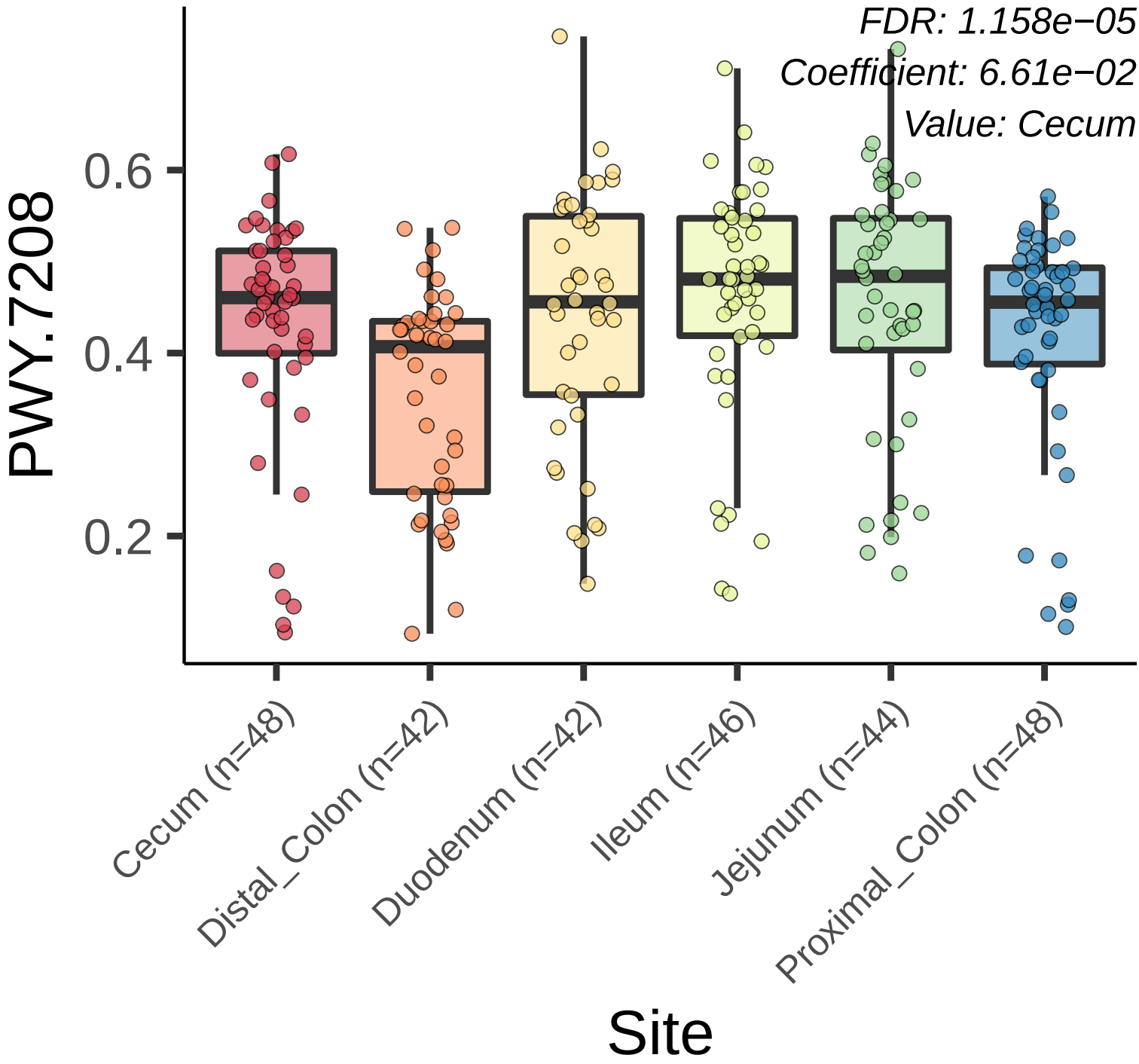

FDR: 1.030e−05
Coefficient: 7.20e−02
Value: Duodenum
PWY.2942
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

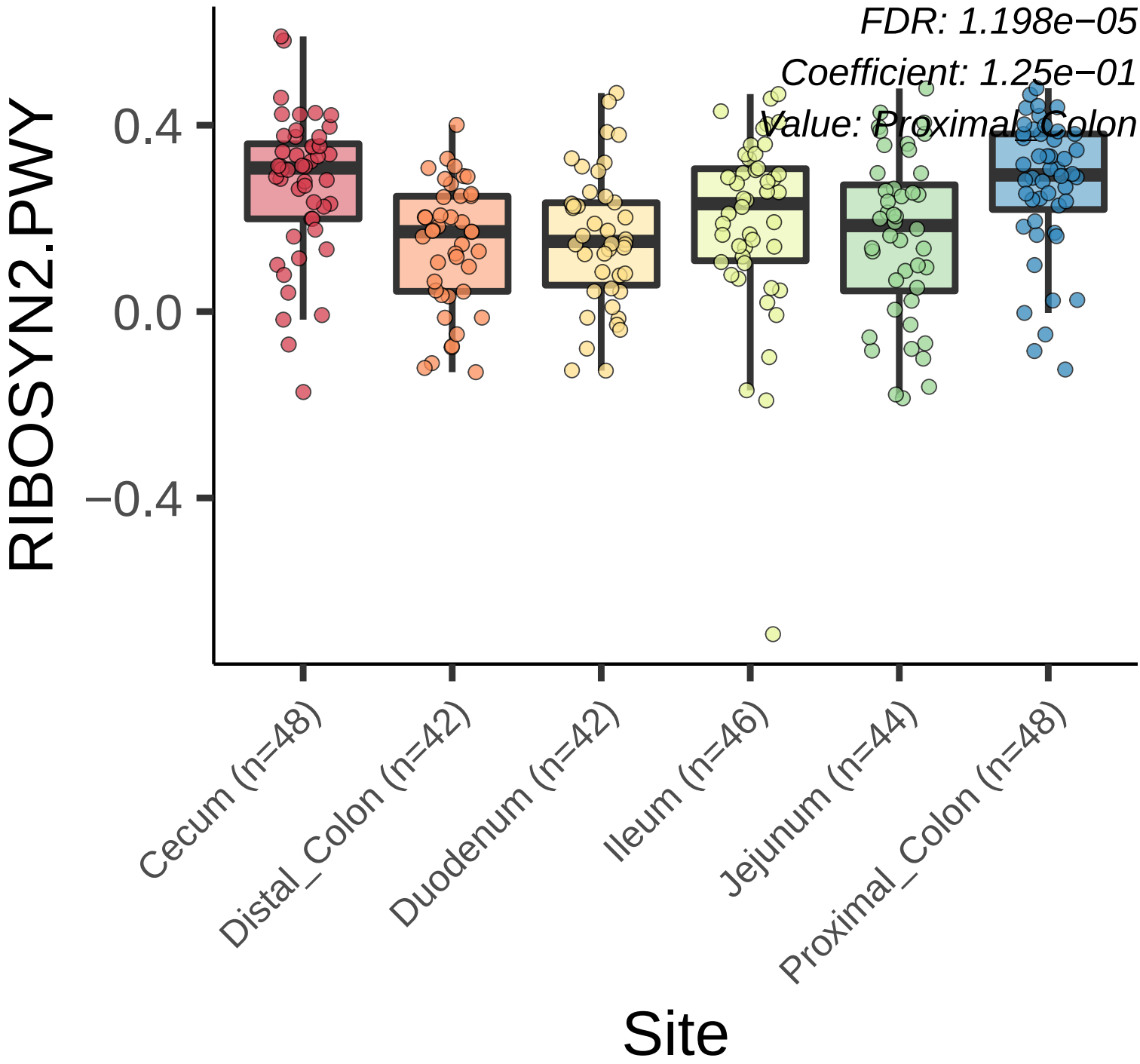

FDR: 1.057e−05
Coefficient: 6.06e−02
Value: Proximal_Colon
GLYCOLYSIS
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

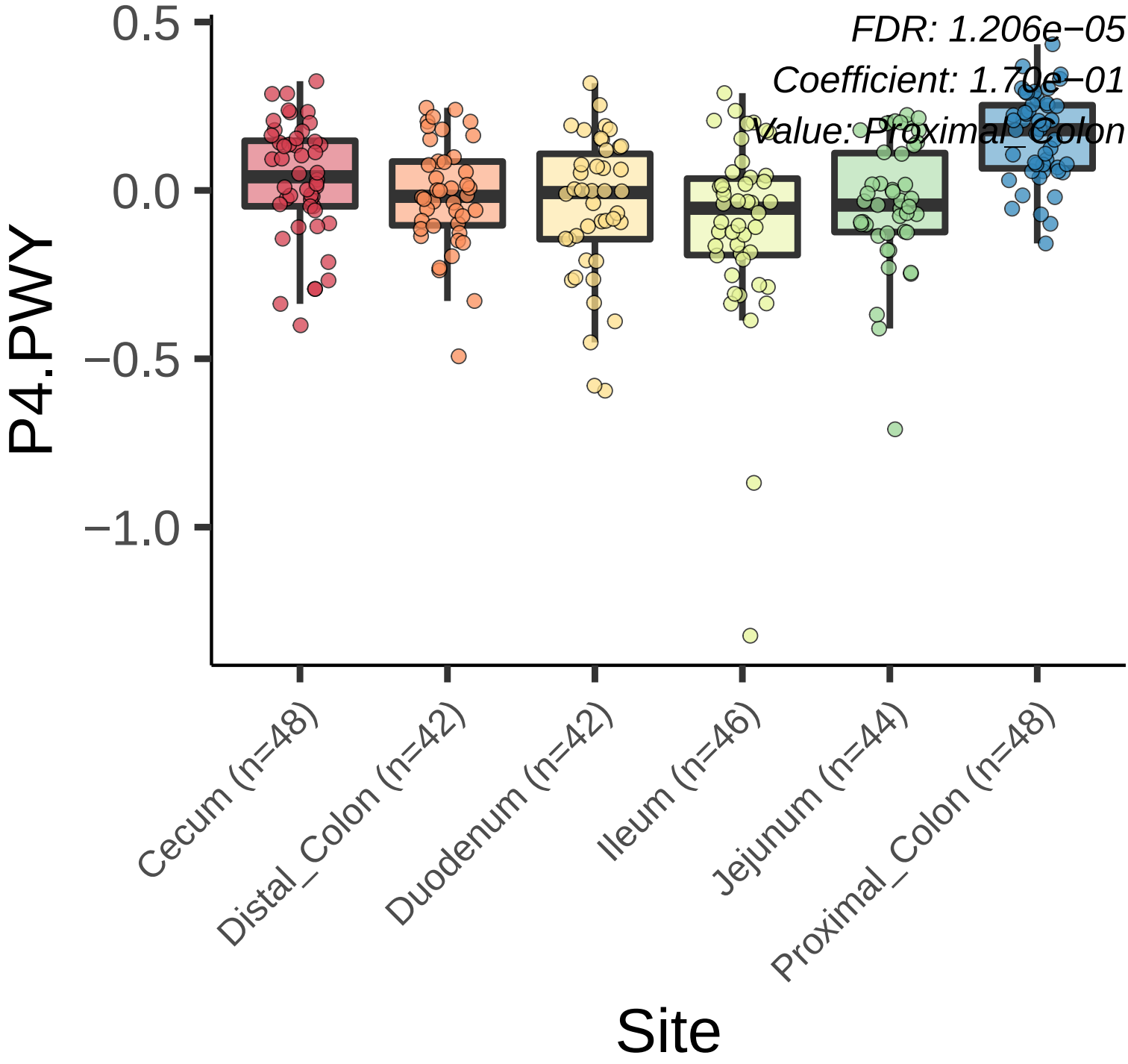

FDR: 1.060e−05
Coefficient: 6.46e−02
Value: Duodenum
ANAEROFRUCAT.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

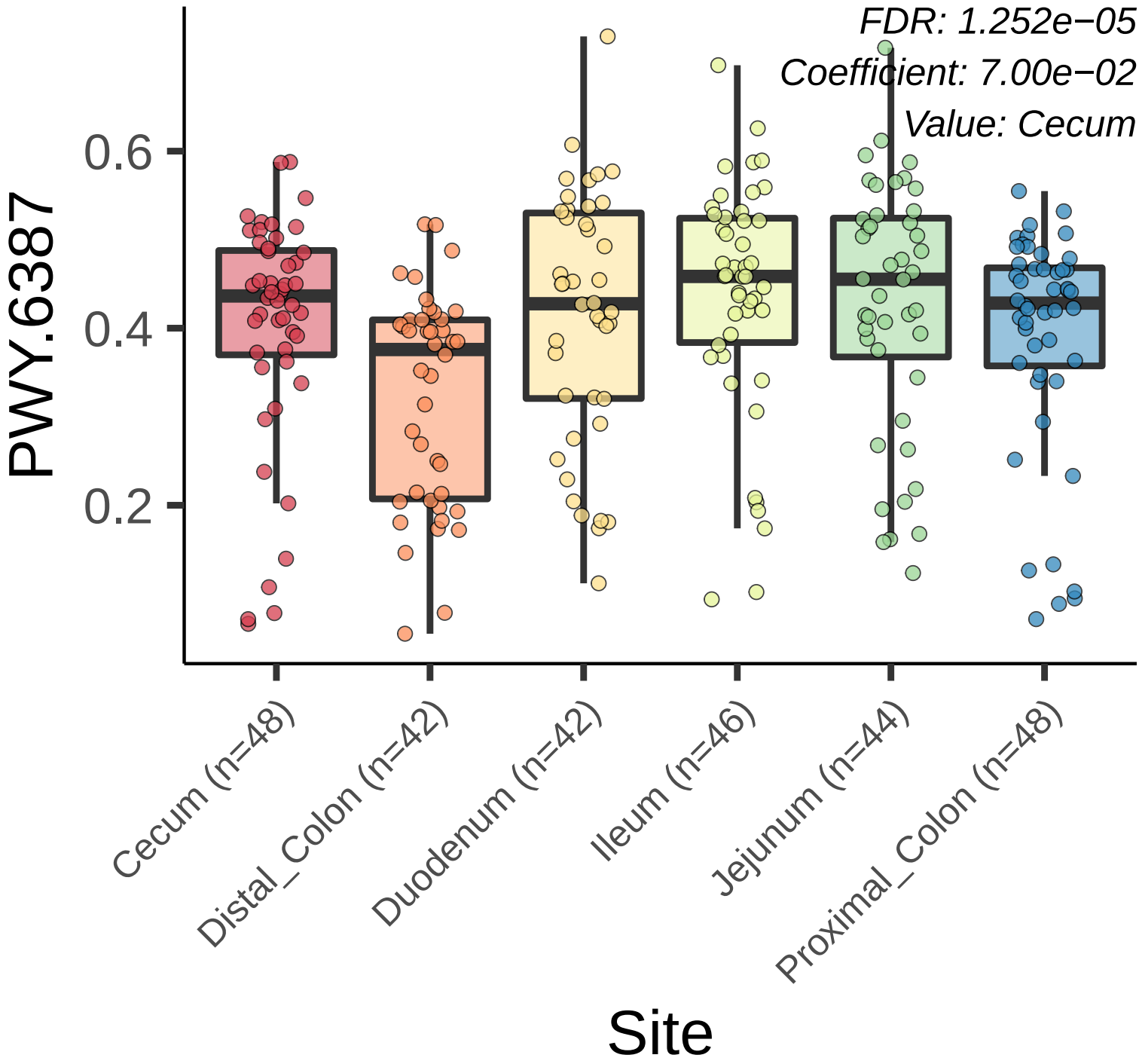

FDR: 1.135e−05
Coefficient: 1.53e−01
Value: Proximal_Colon
TRPSYN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

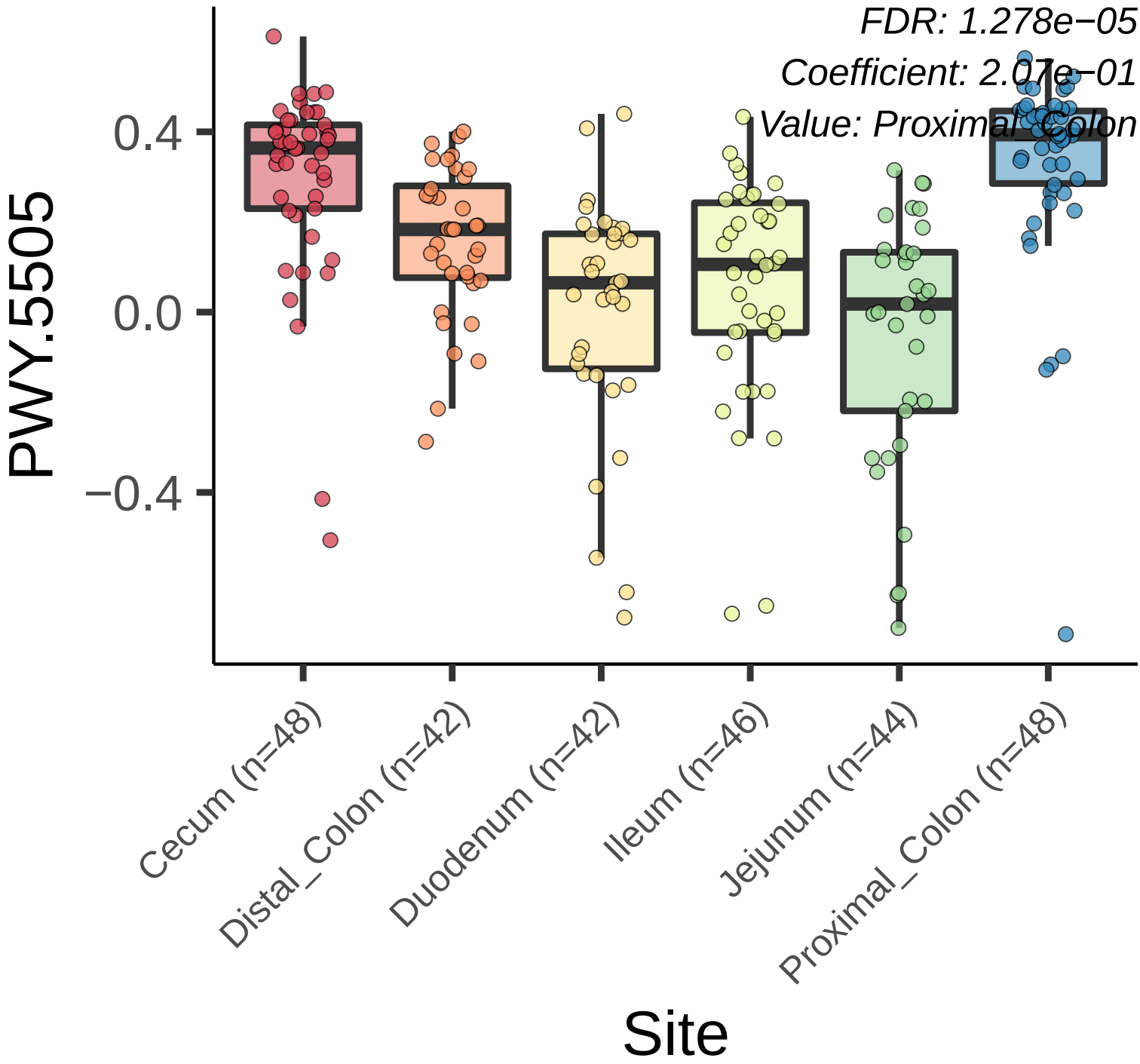

FDR: 1.158e−05
Coefficient: 7.09e−02
Value: Cecum
PEPTIDOGLYCANSYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

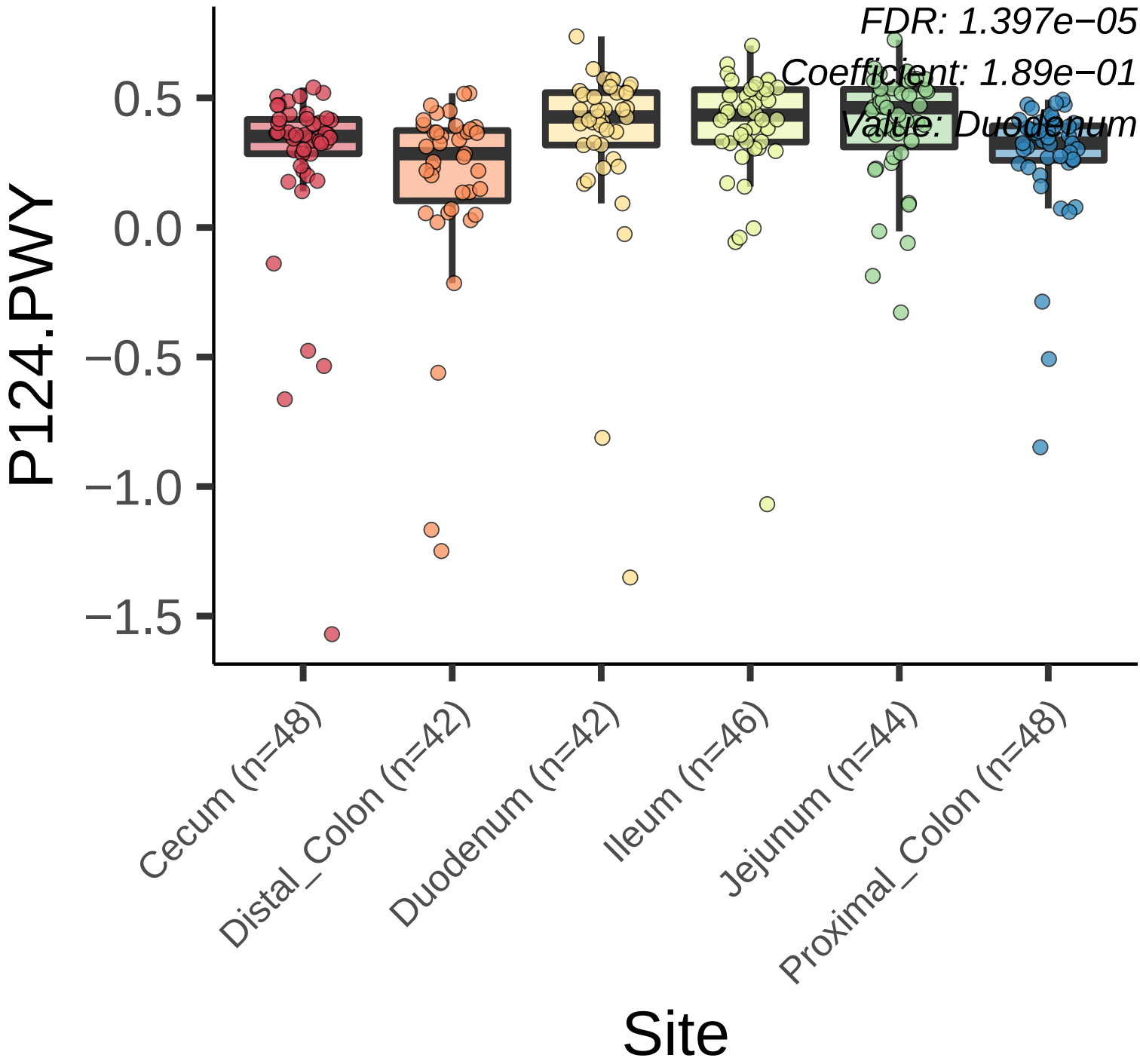

FDR: 1.158e−05
Coefficient: 6.61e−02
Value: Cecum
PWY.7208
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

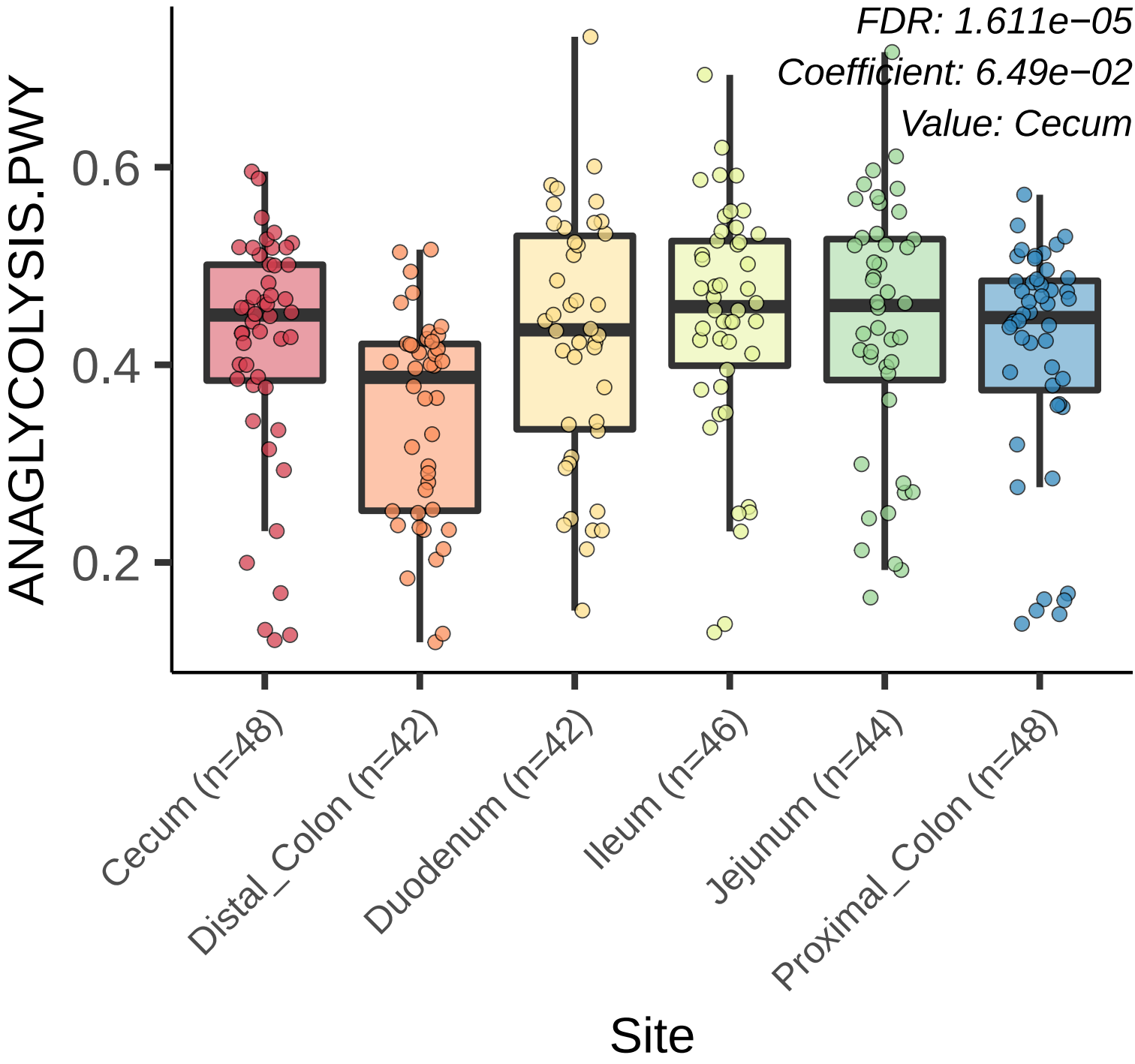

FDR: 1.198e−05
Coefficient: 1.25e−01
Value: Proximal_Colon
RIBOSYN2.PWY
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

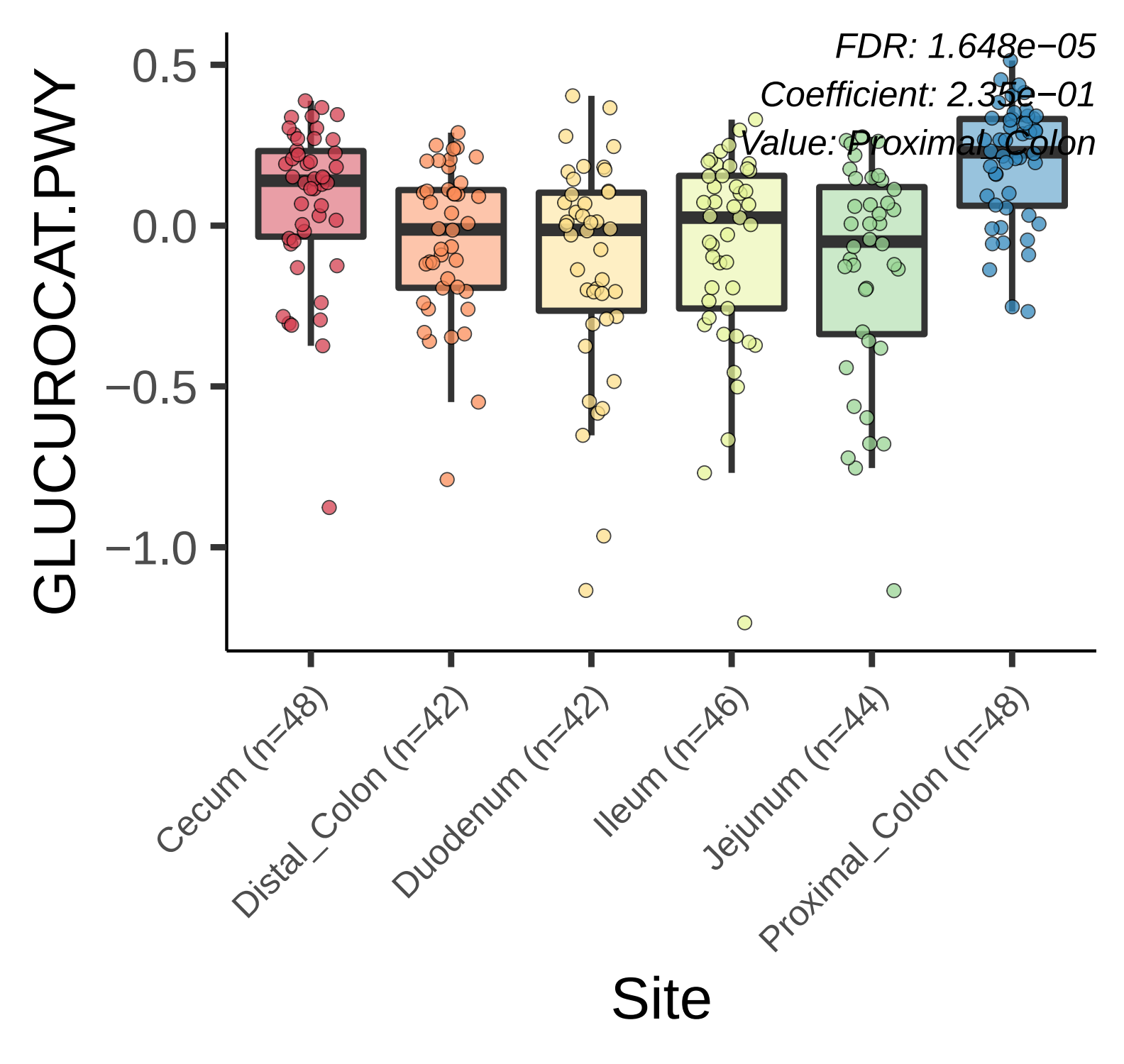

FDR: 1.206e−05
Coefficient: 1.70e−01
Value: Proximal_Colon
P4.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

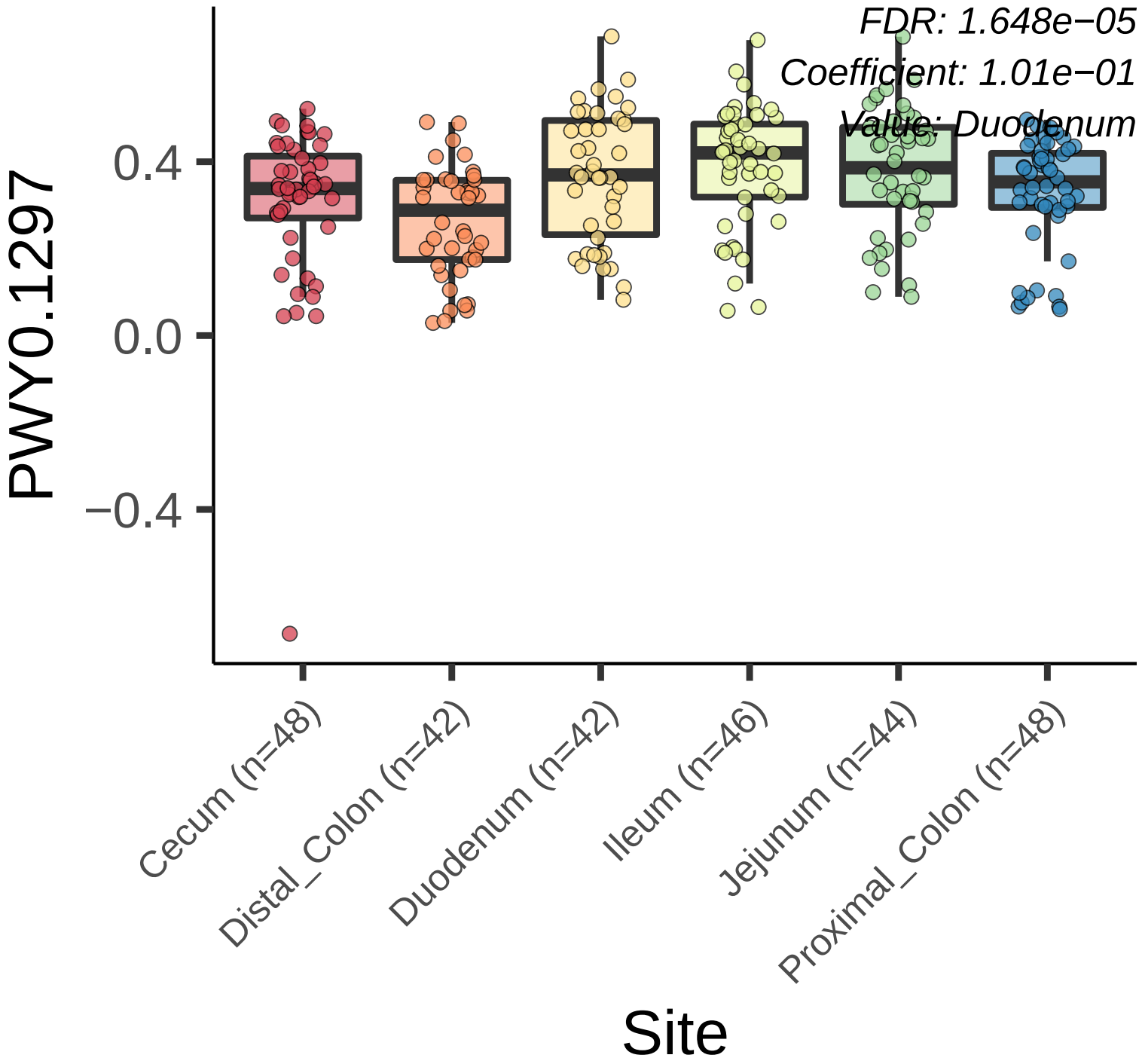

FDR: 1.252e−05
Coefficient: 7.00e−02
Value: Cecum
PWY.6387
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

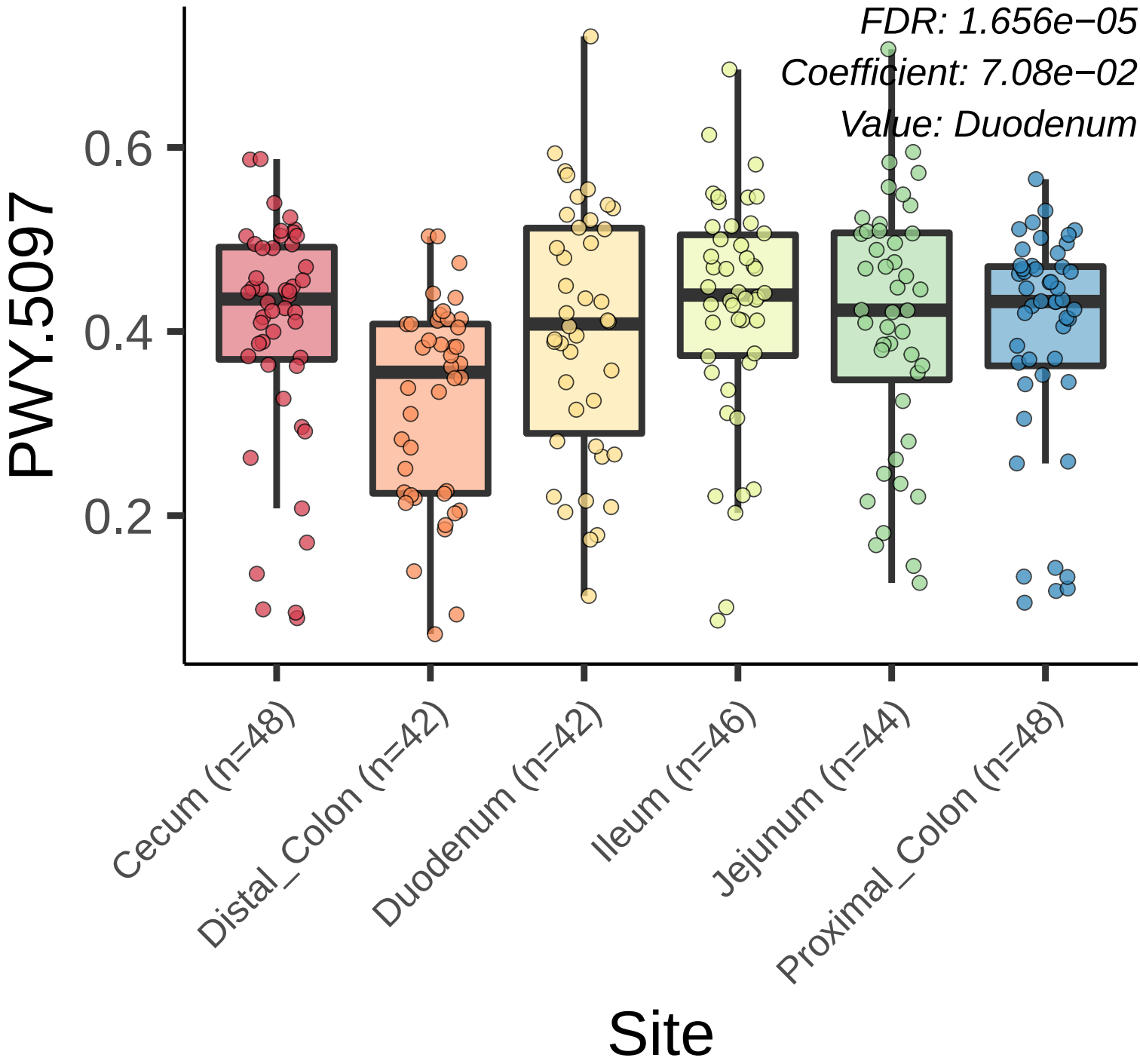

FDR: 1.278e−05
Coefficient: 2.07e−01
Value: Proximal_Colon
PWY.5505
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

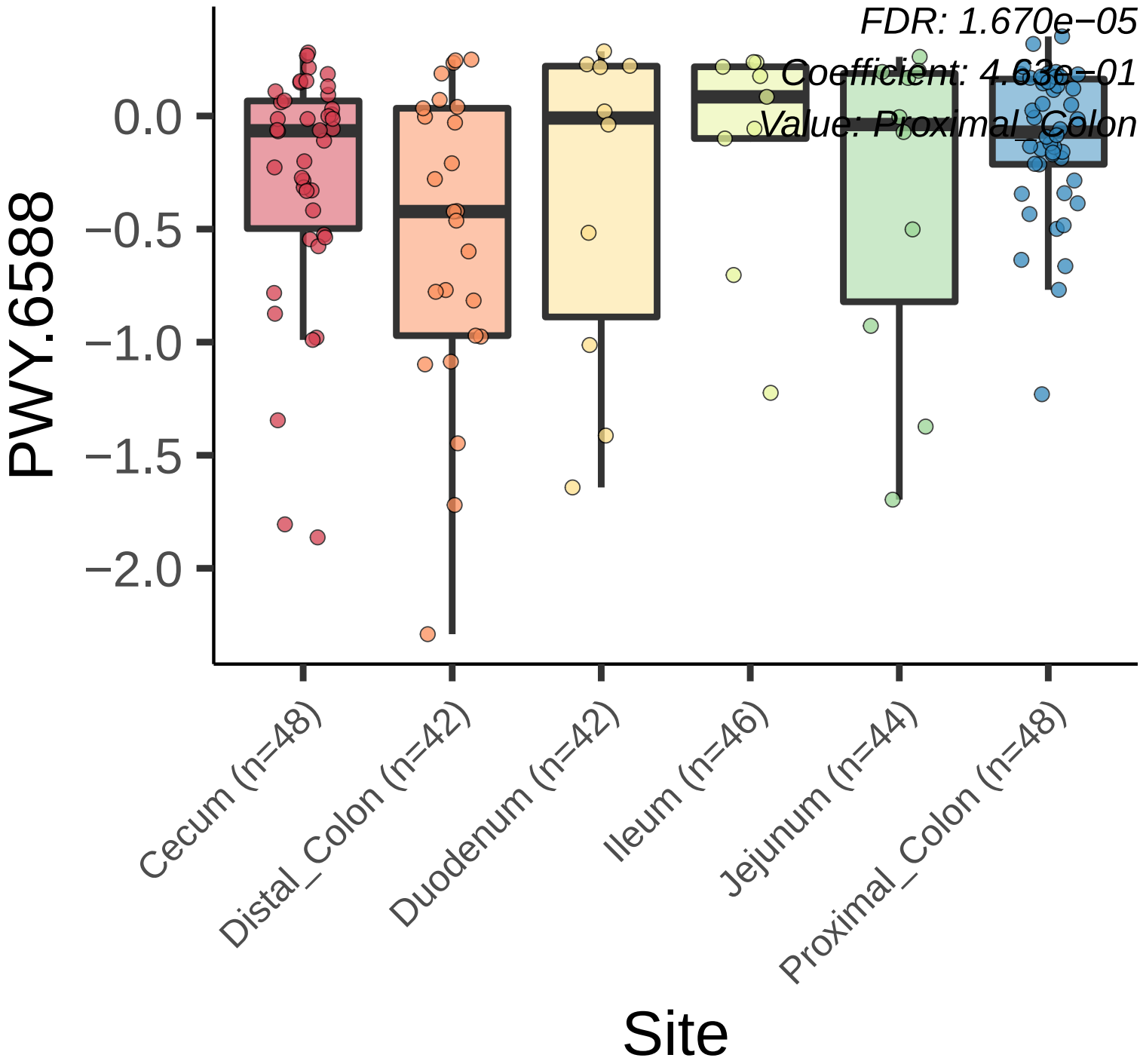

FDR: 1.397e−05
Coefficient: 1.89e−01
Value: Duodenum
P124.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

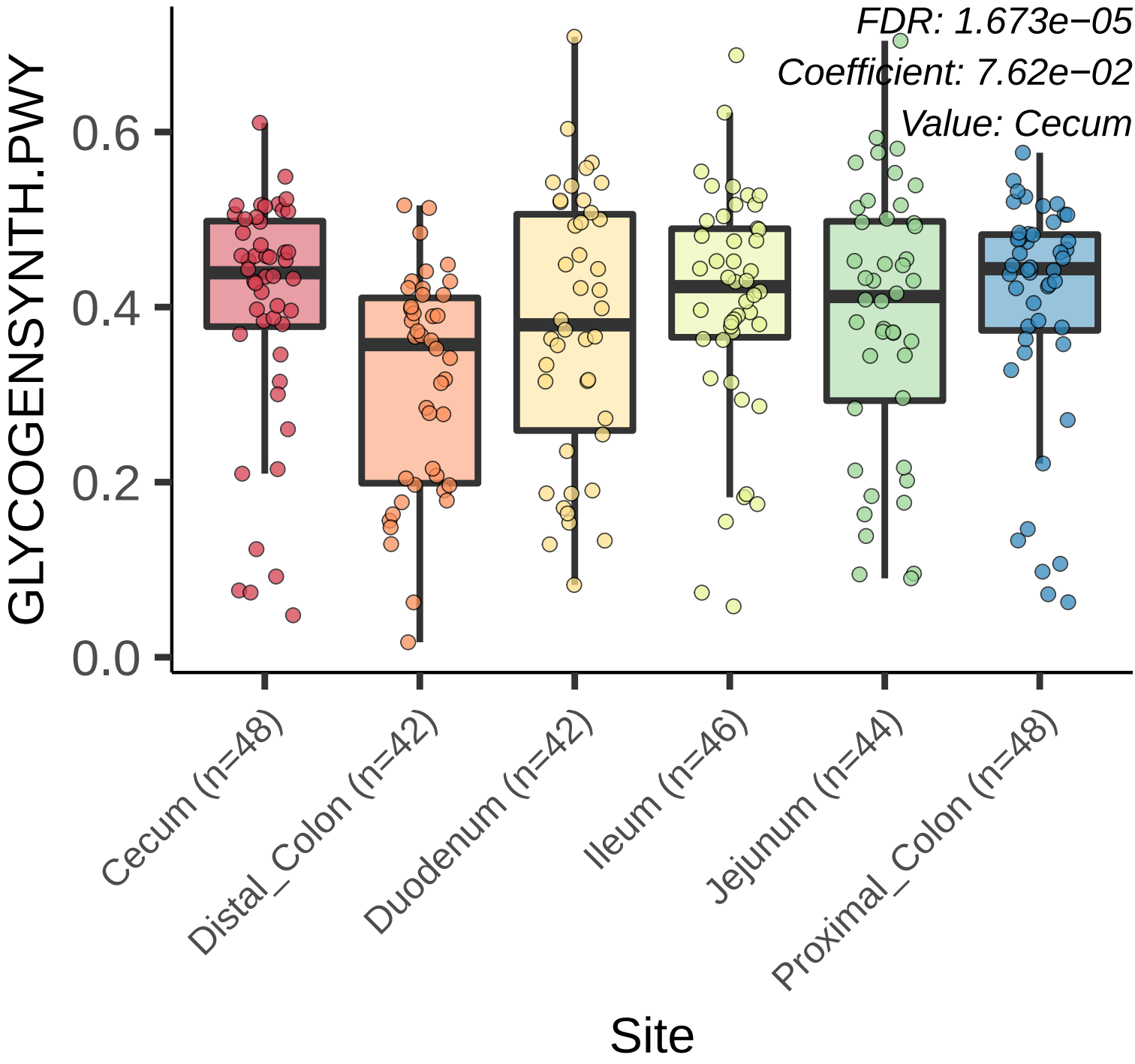

FDR: 1.611e−05
Coefficient: 6.49e−02
Value: Cecum
ANAGLYCOLYSIS.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

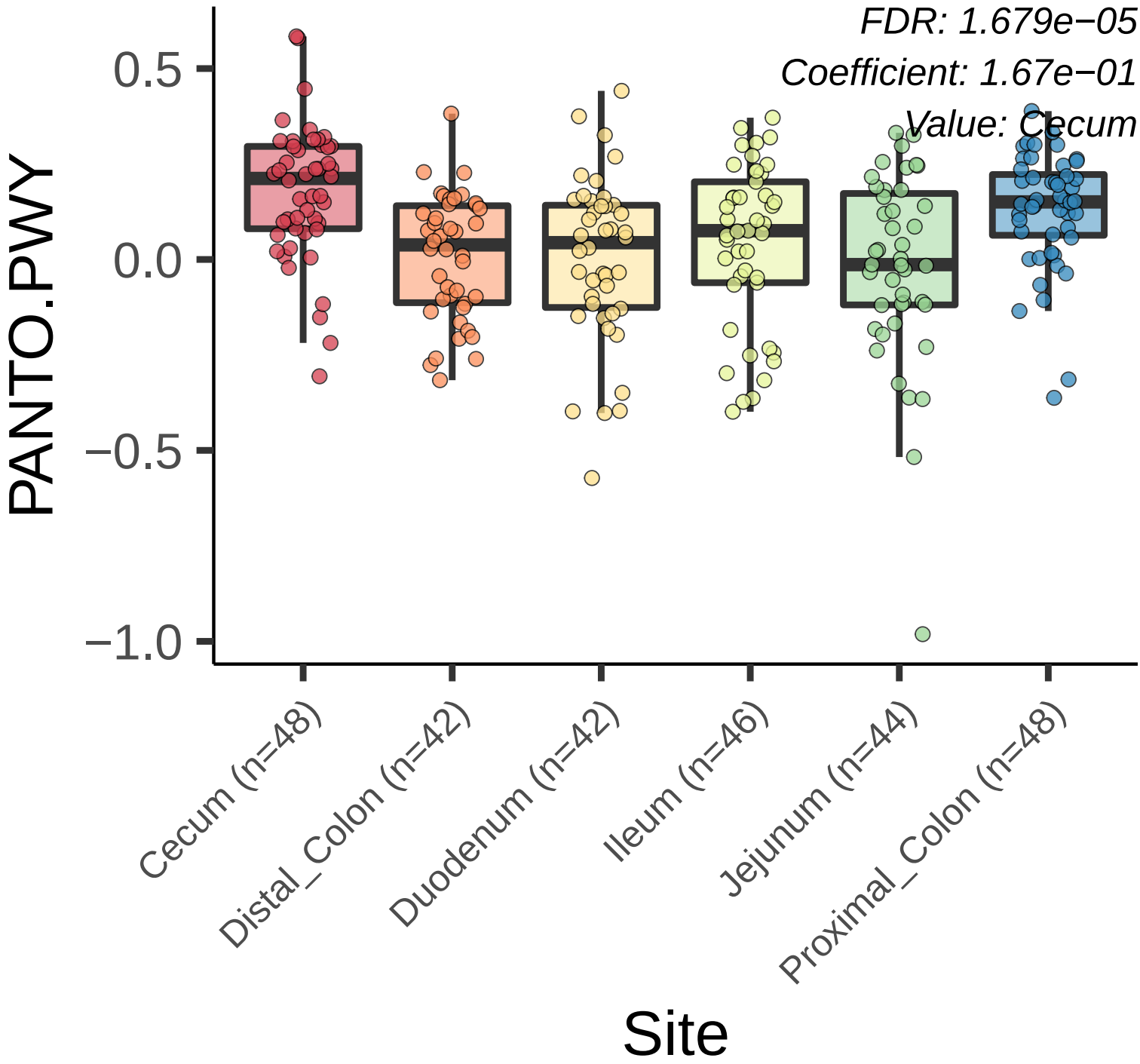

FDR: 1.648e−05
Coefficient: 2.35e−01
Value: Proximal_Colon
GLUCUROCAT.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

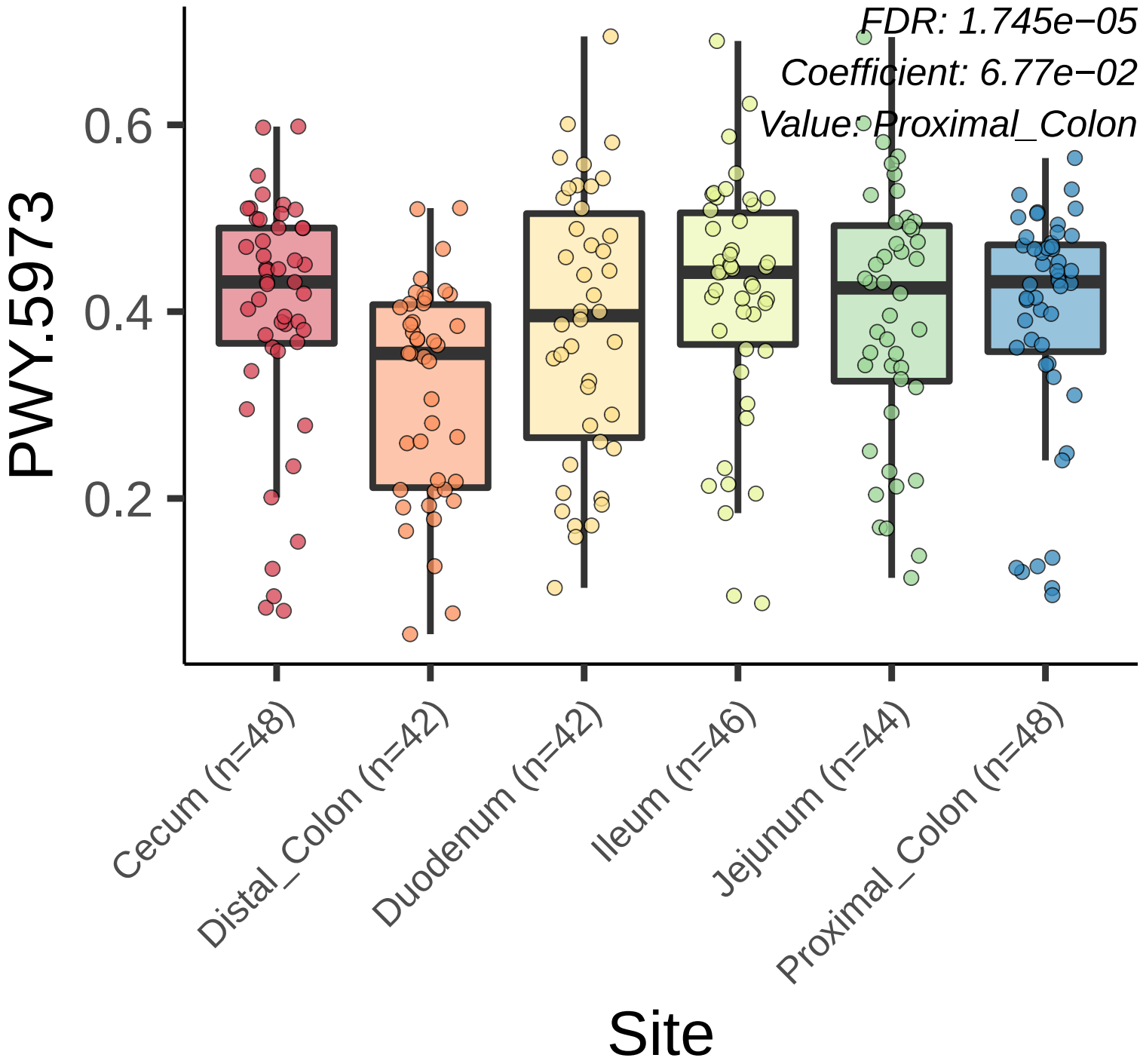

FDR: 1.648e−05
Coefficient: 1.01e−01
Value: Duodenum
PWY0.1297
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

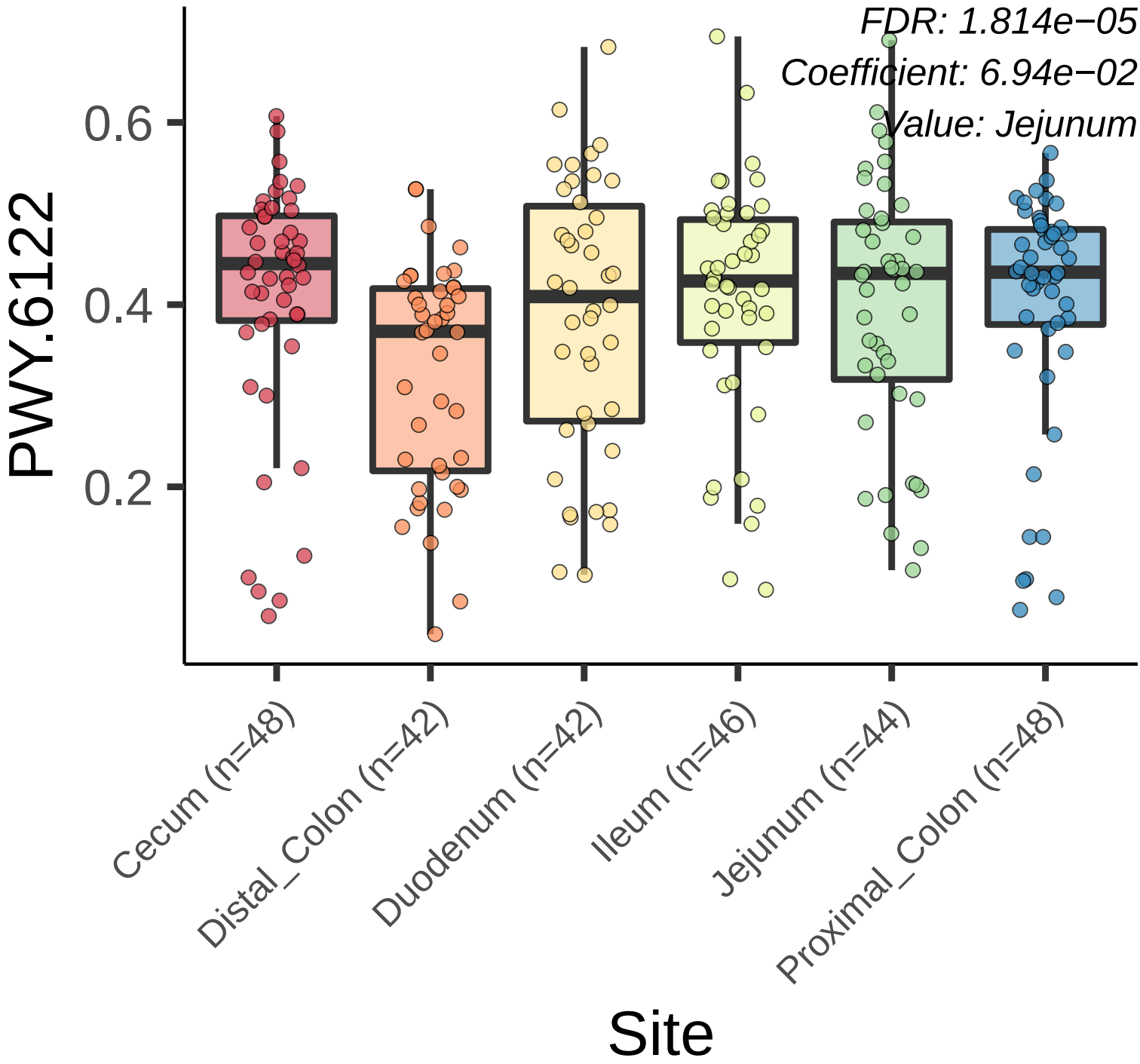

FDR: 1.656e−05
Coefficient: 7.08e−02
Value: Duodenum
PWY.5097
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

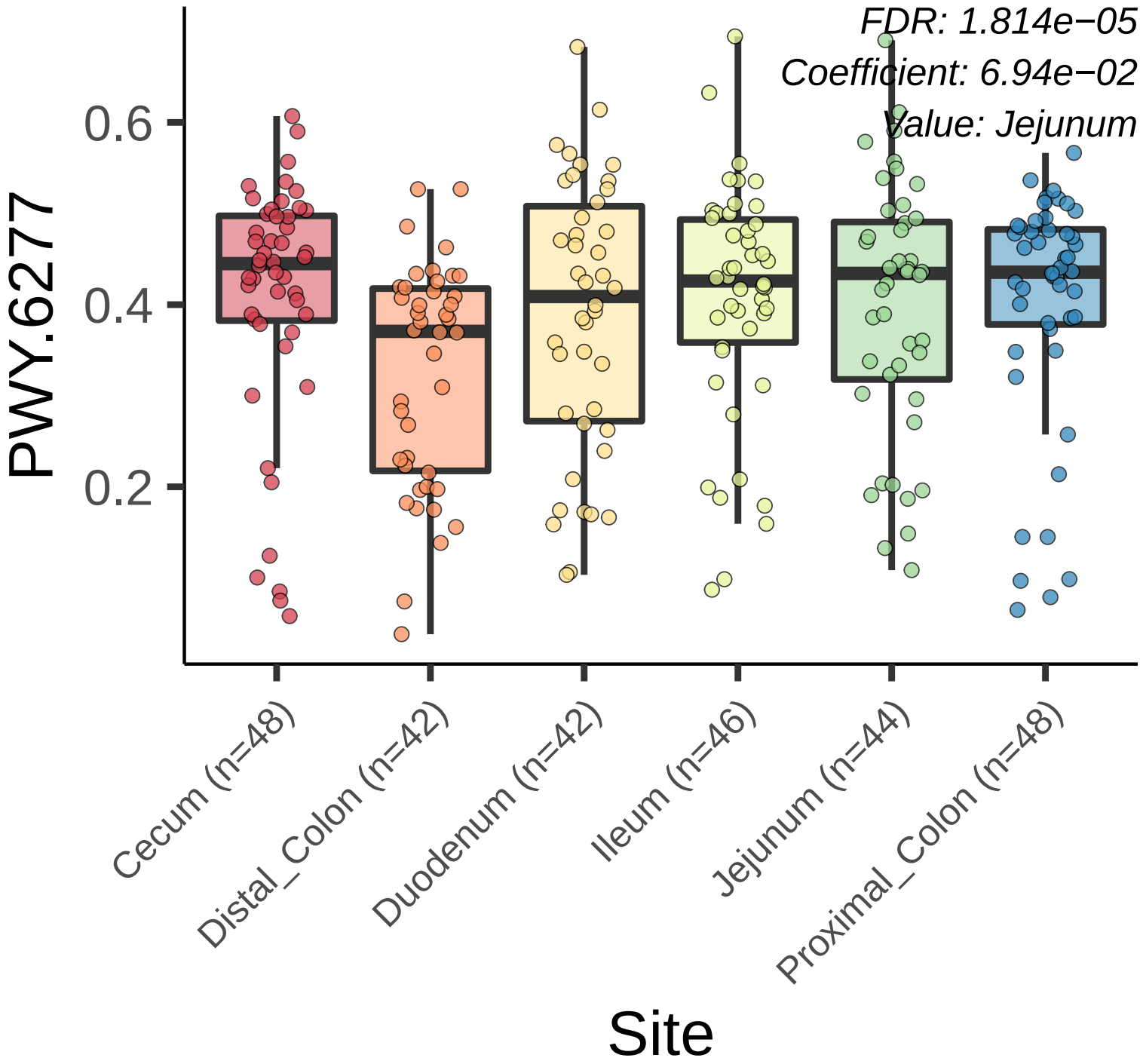

FDR: 1.670e−05
Coefficient: 4.636e−01
Value: Proximal_Colon
PWY.6588
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

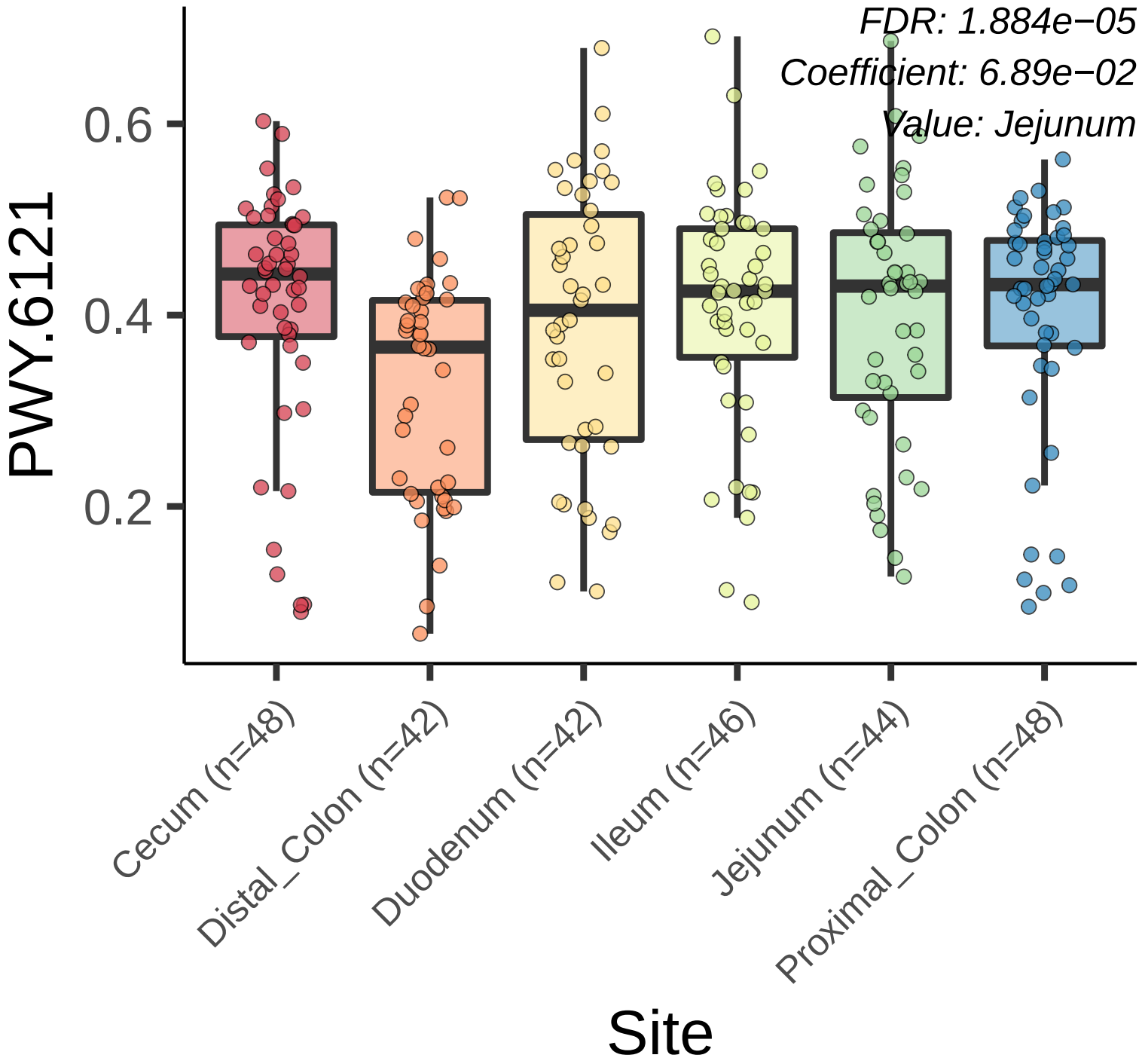

FDR: 1.673e−05
Coefficient: 7.62e−02
Value: Cecum
GLYCOGENSYNTH.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

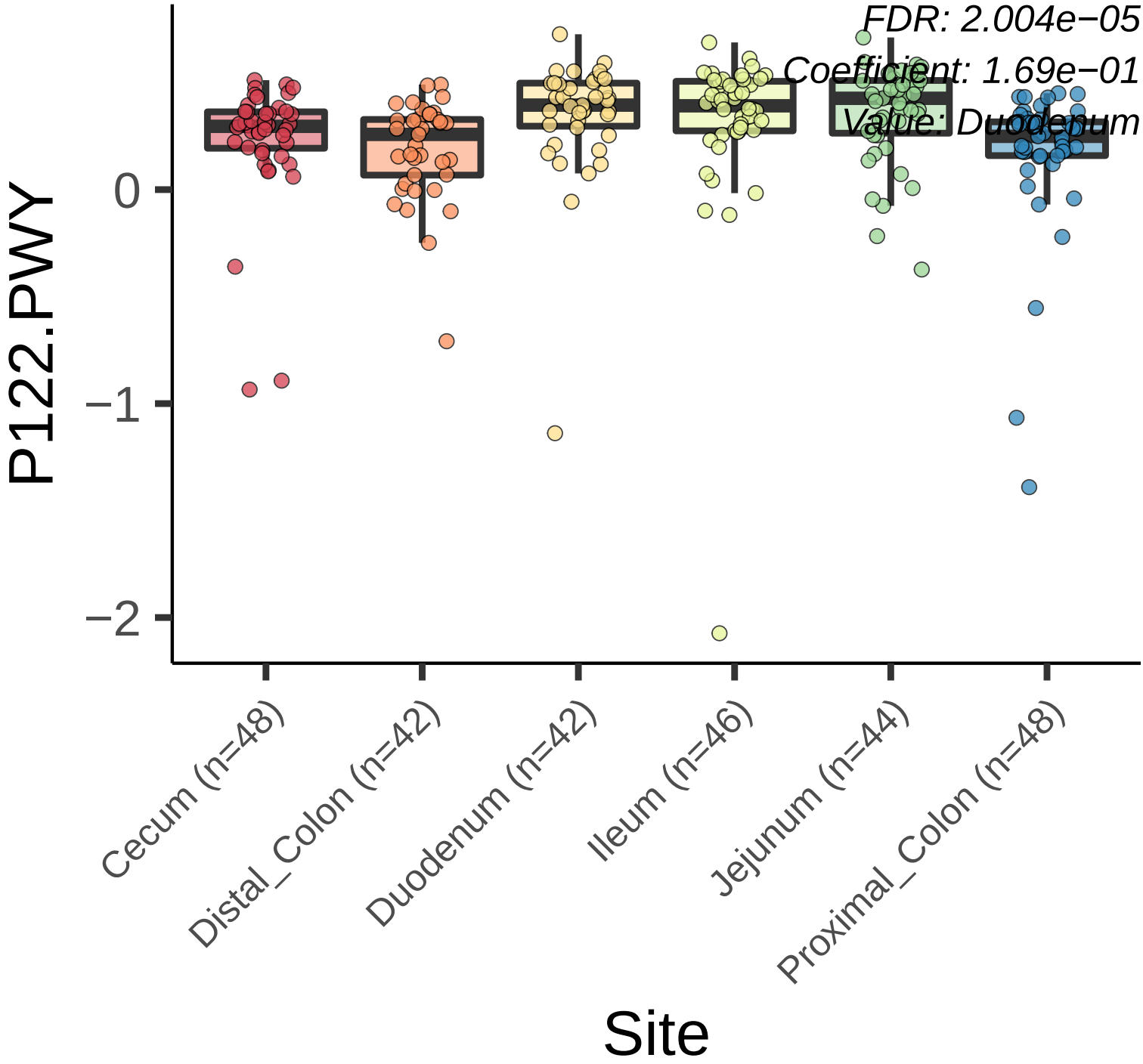

FDR: 1.679e−05
Coefficient: 1.67e−01
Value: Cecum
PANTO.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

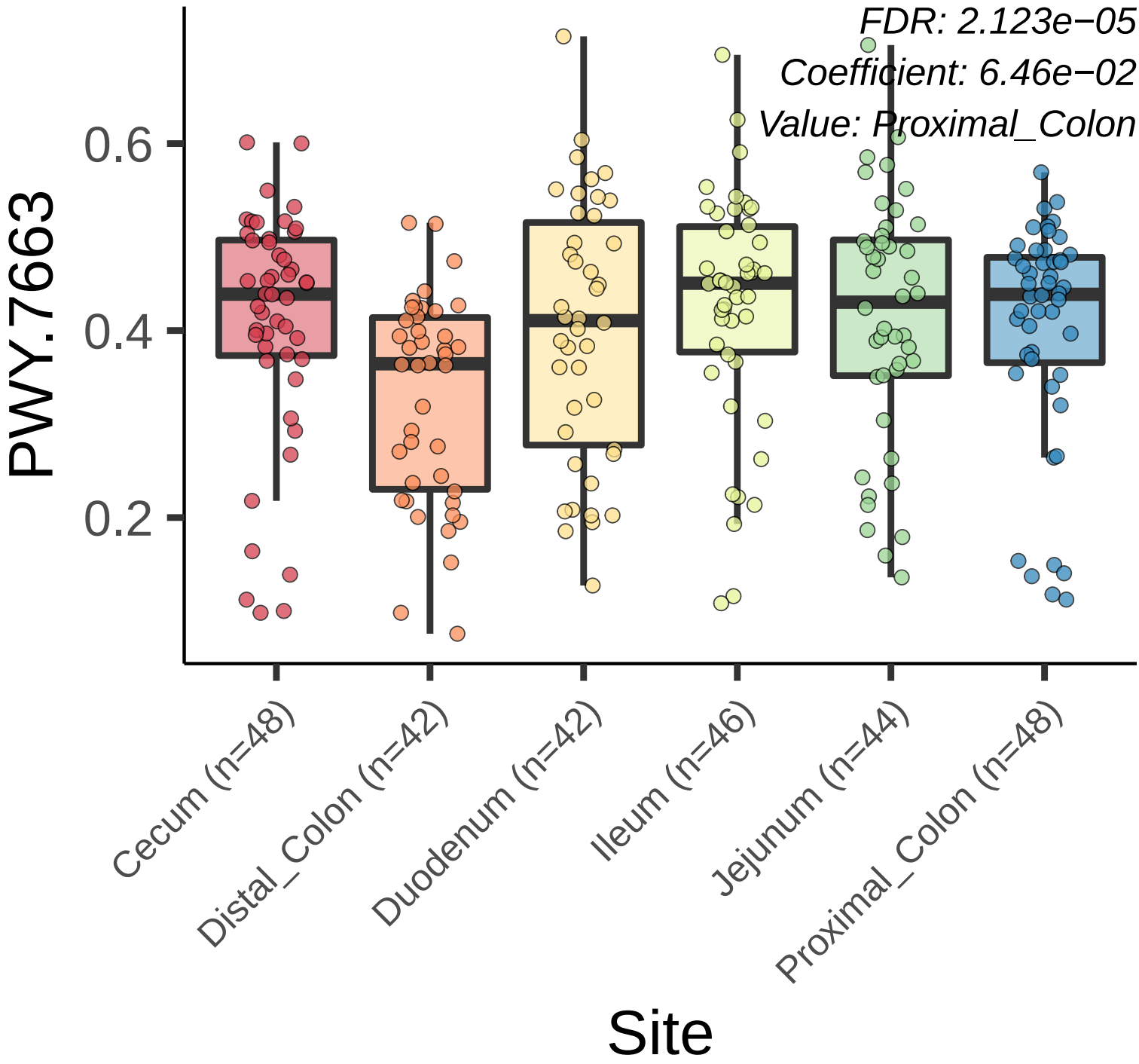

FDR: 1.745e−05
Coefficient: 6.77e−02
Value: Proximal_Colon
PWY.5973
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

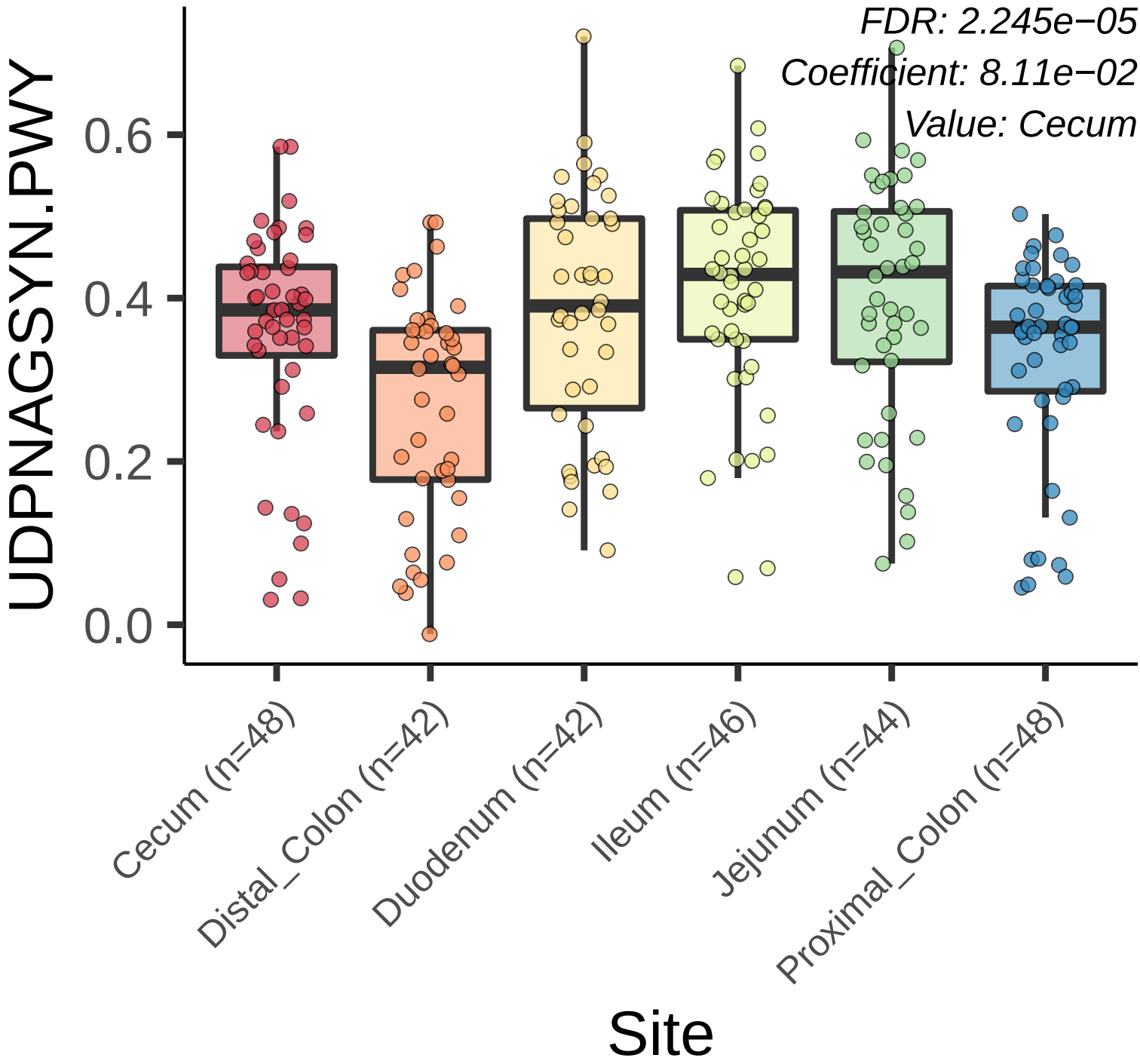

FDR: 1.814e−05
Coefficient: 6.94e−02
Value: Jejunum
PWY.6122
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

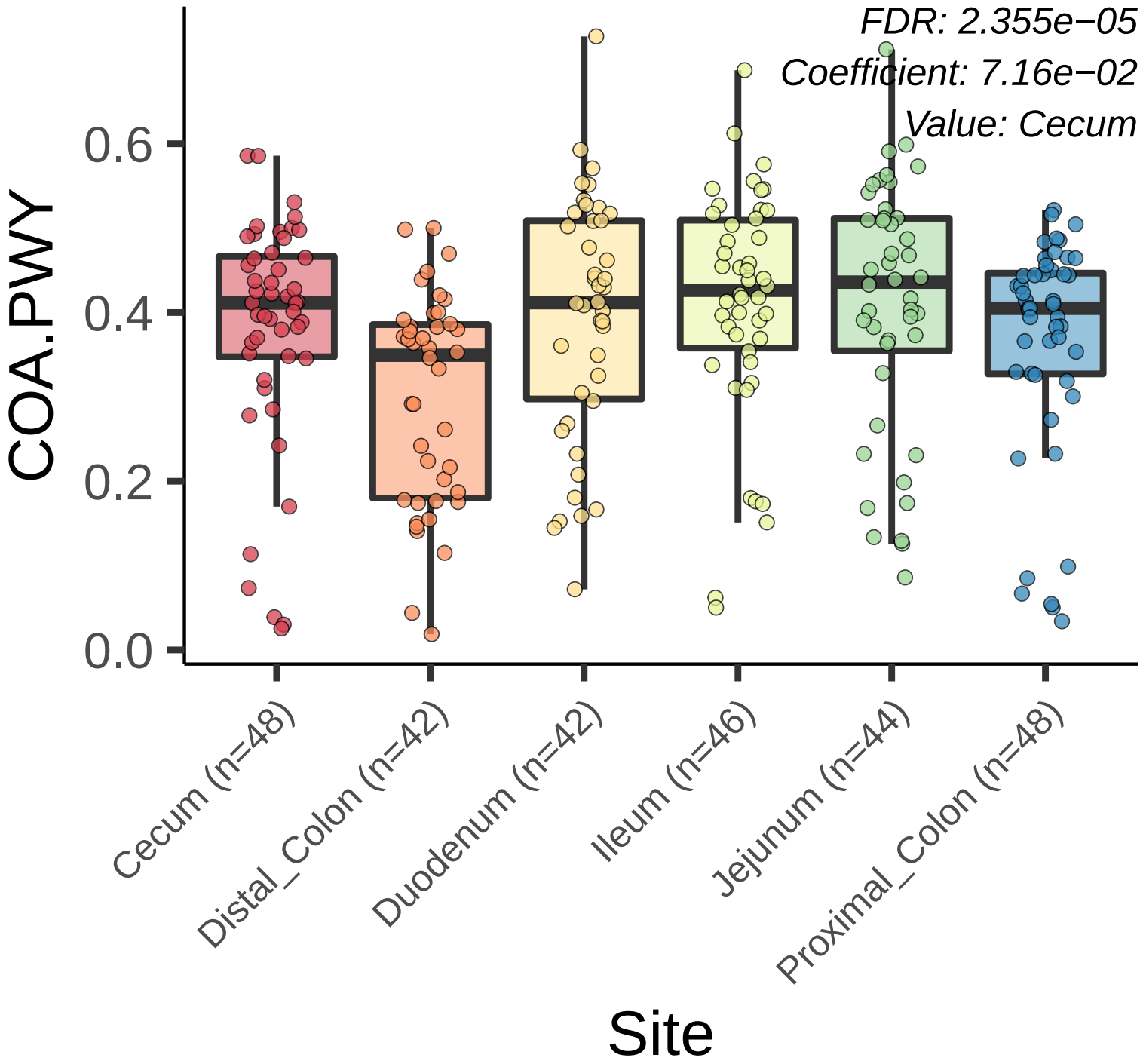

FDR: 1.814e−05
Coefficient: 6.94e−02
Value: Jejunum
PWY.6277
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

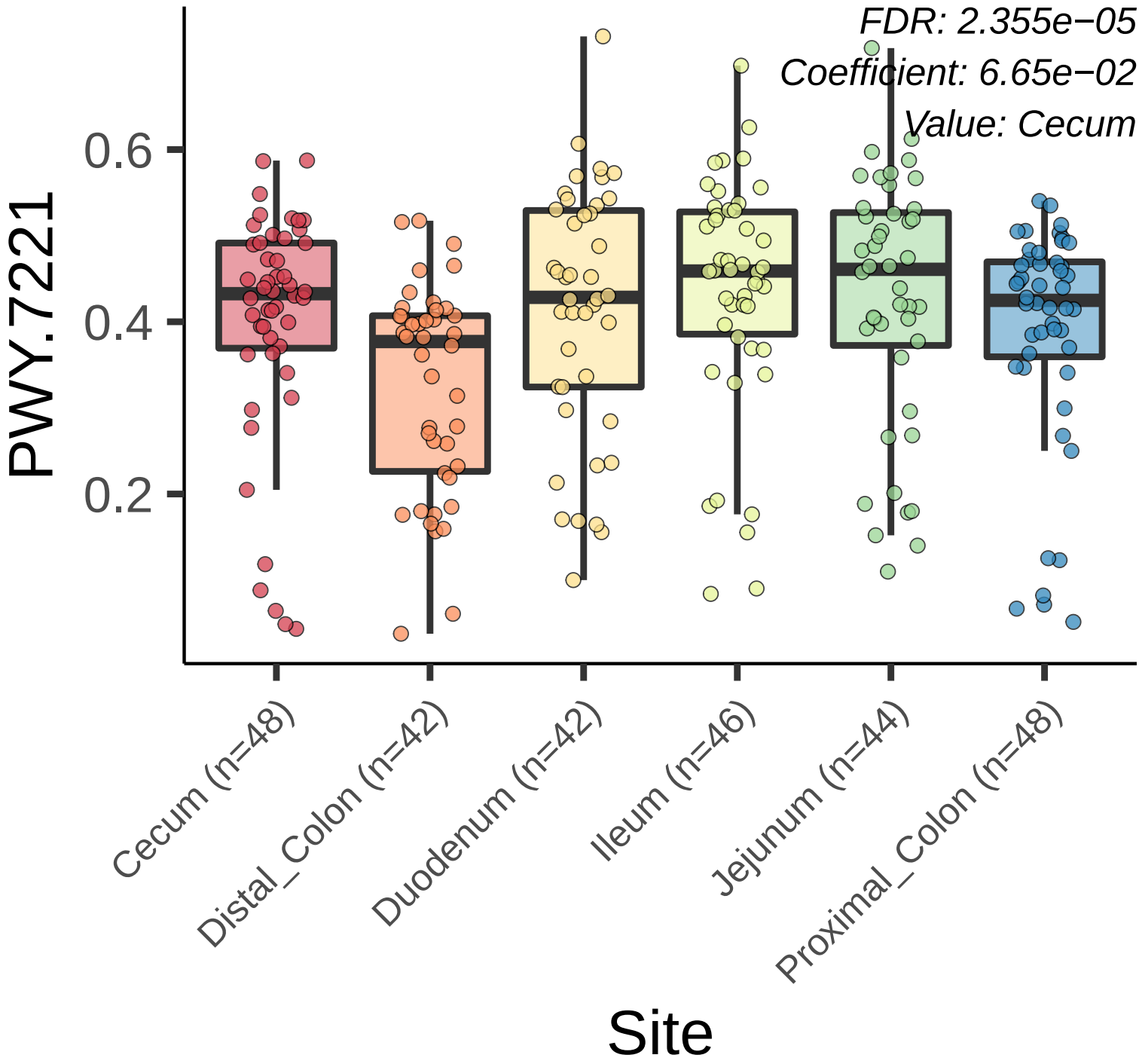

FDR: 1.884e−05
Coefficient: 6.89e−02
Value: Jejunum
PWY.6121
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

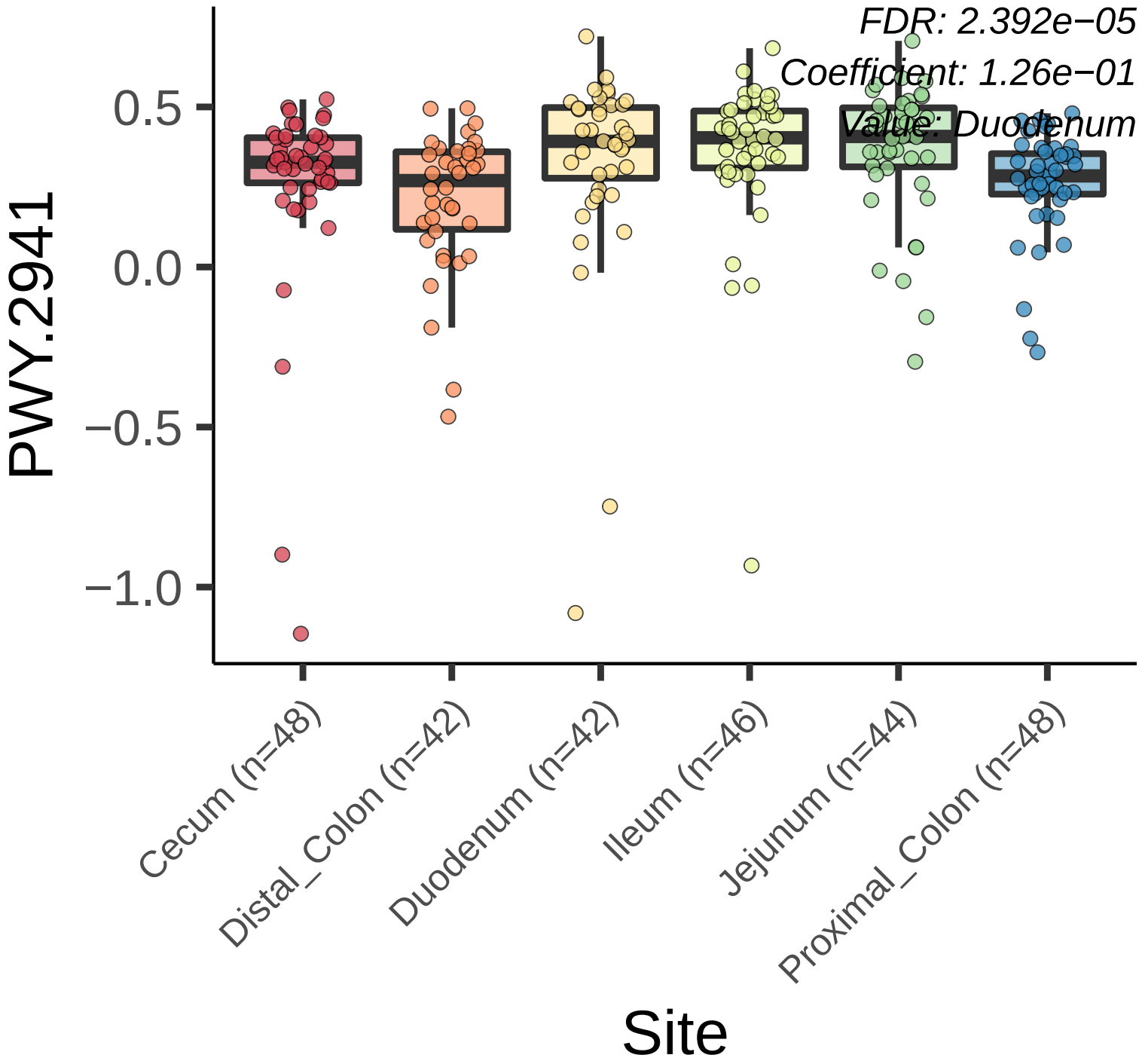

FDR: 2.004e−05
Coefficient: 1.69e−01
Value: Duodenum
P122.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

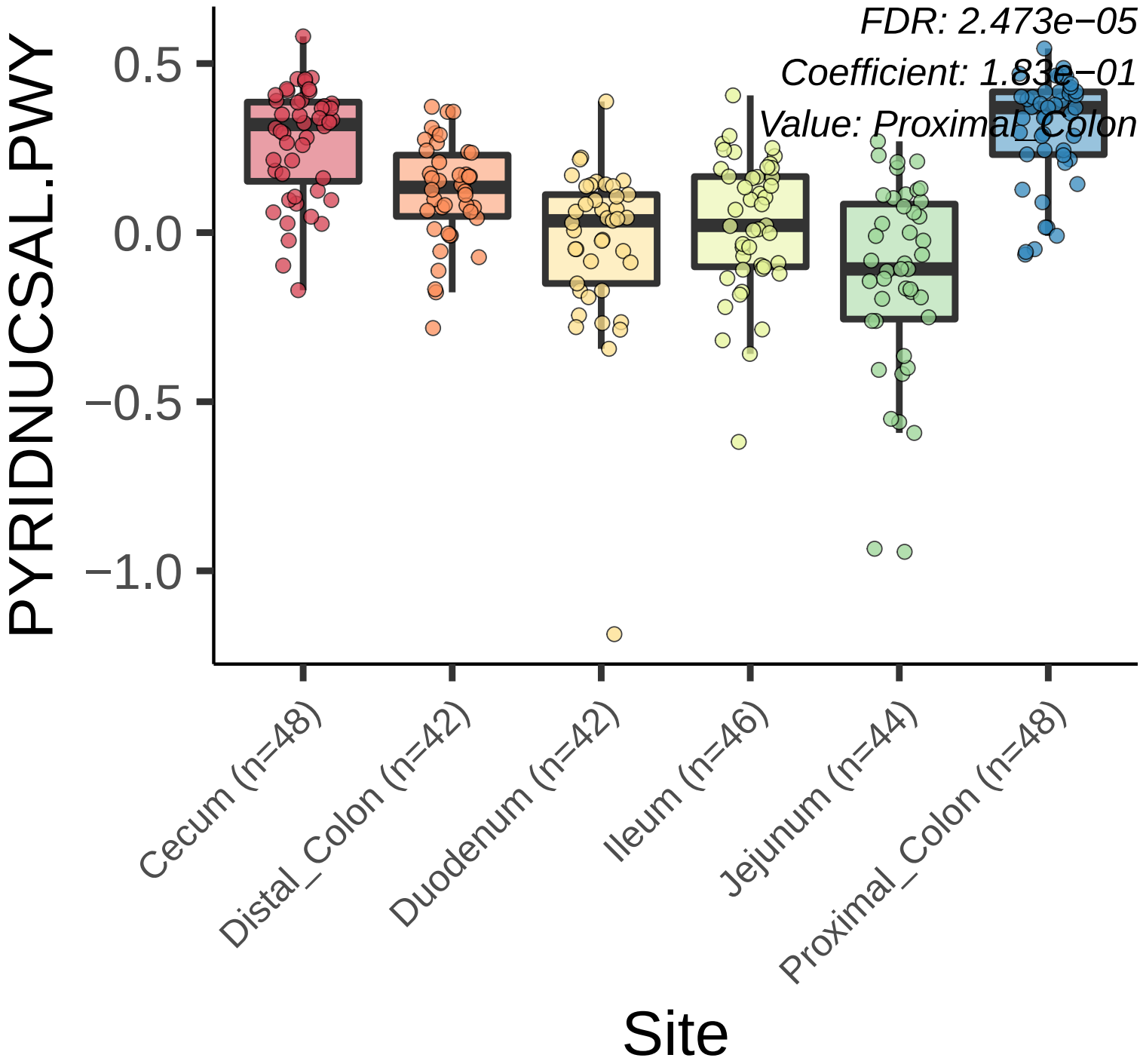

FDR: 2.123e−05
Coefficient: 6.46e−02
Value: Proximal_Colon
PWY.7663
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

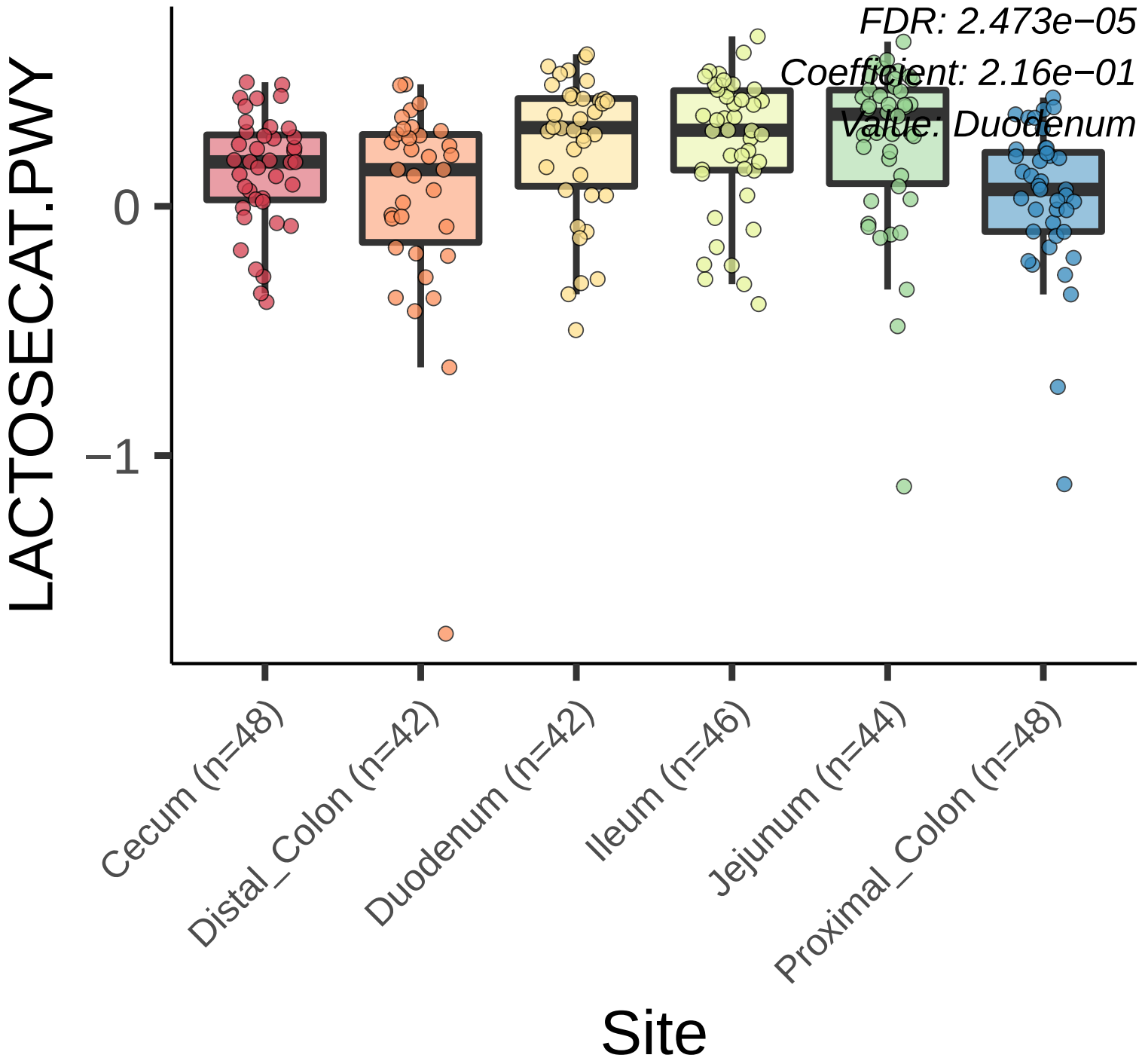

FDR: 2.245e−05
Coefficient: 8.11e−02
Value: Cecum
UDPNAGSYN.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

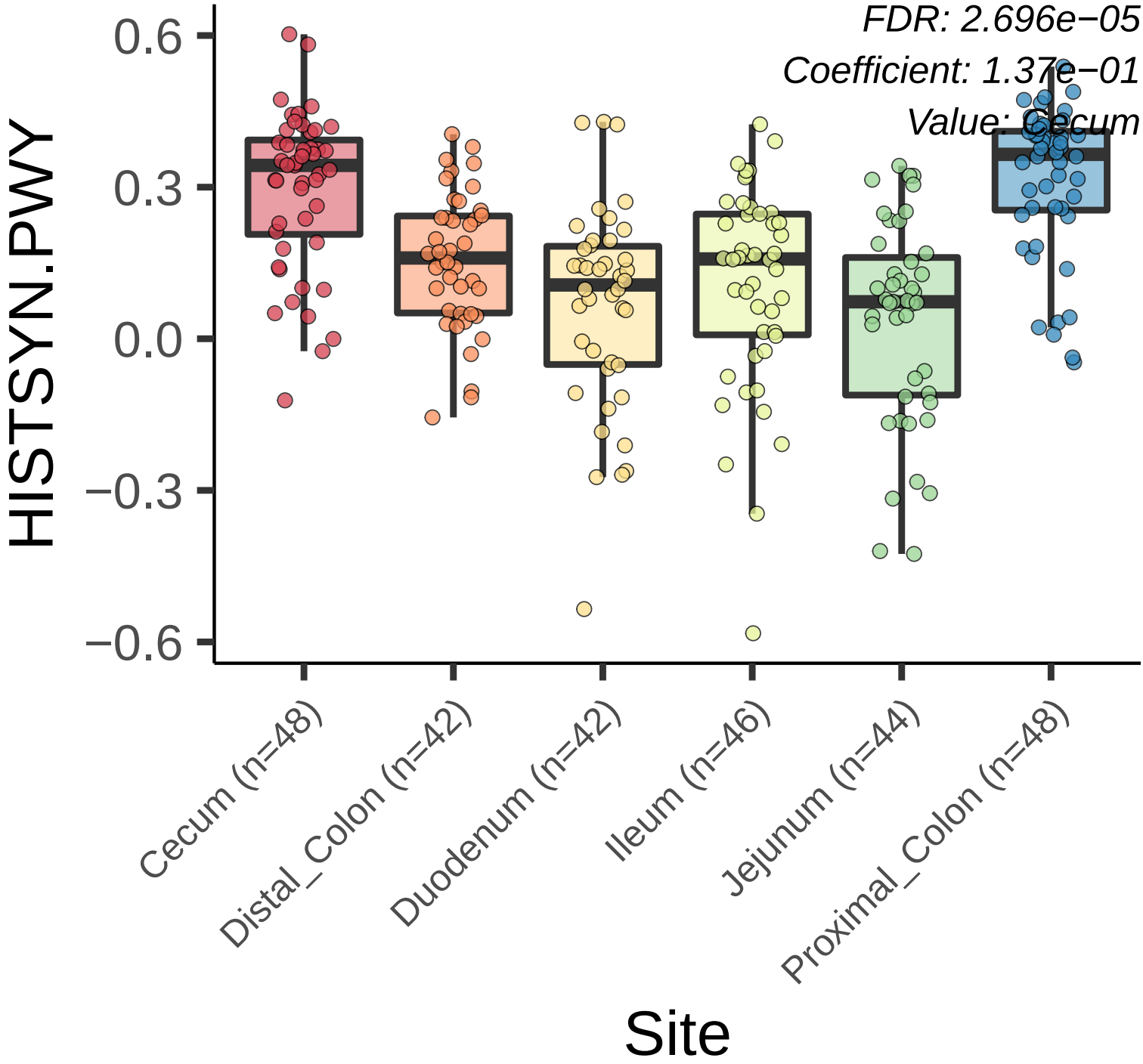

FDR: 2.355e−05
Coefficient: 7.16e−02
Value: Cecum
COA.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

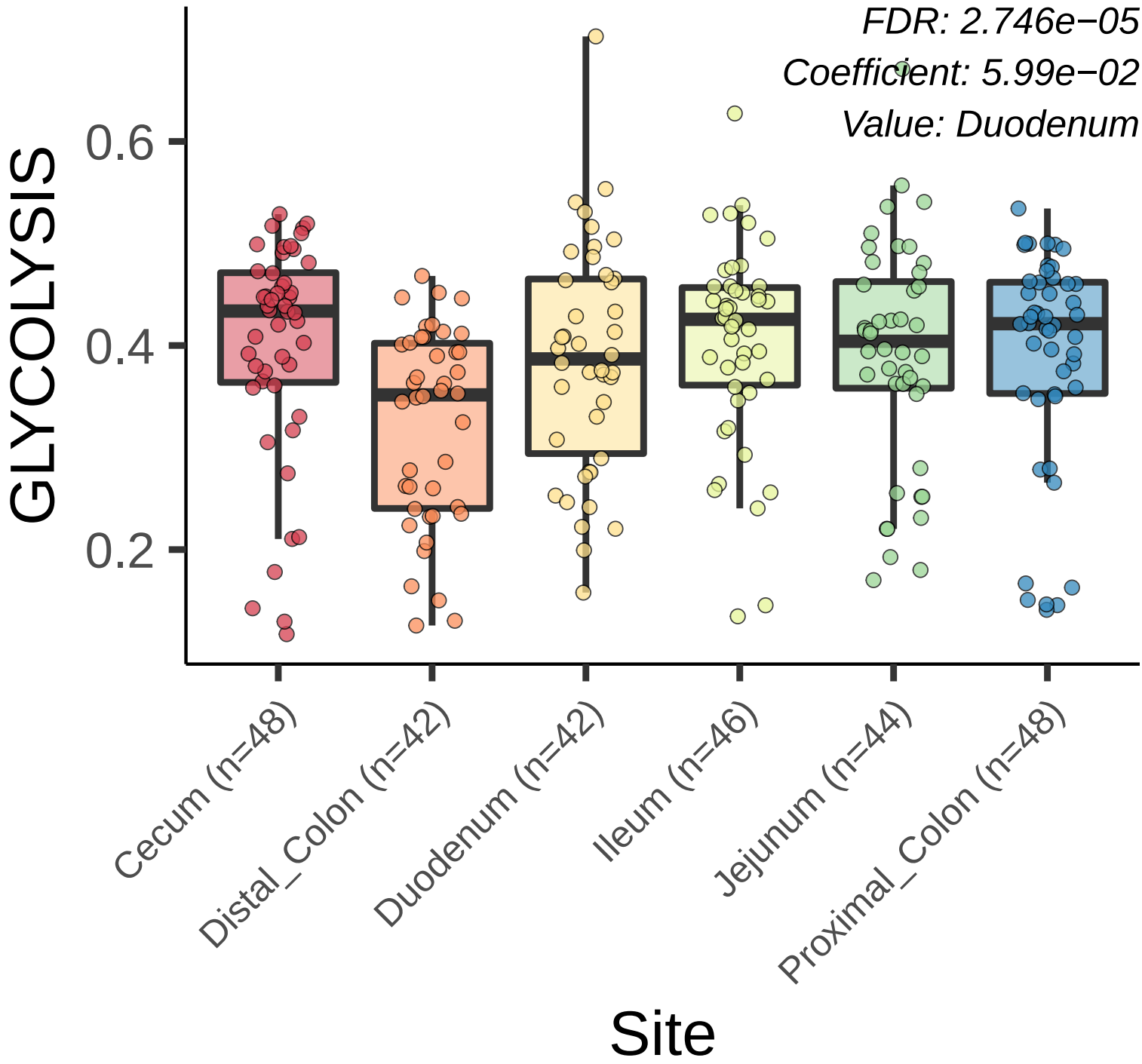

FDR: 2.355e−05
Coefficient: 6.65e−02
Value: Cecum
PWY.7221
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

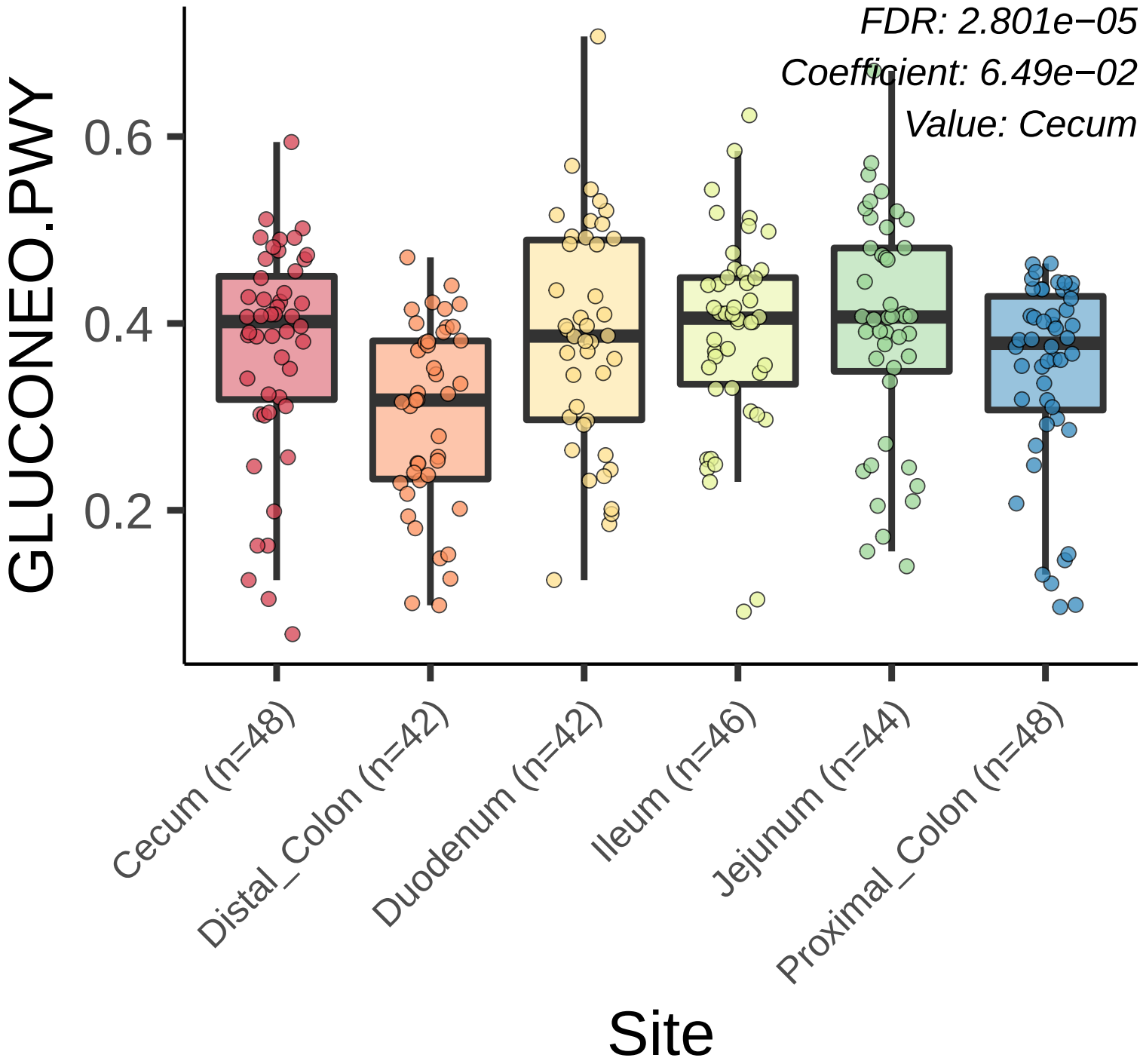

FDR: 2.392e−05
Coefficient: 1.26e−01
Value: Duodenum
PWY.2941
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

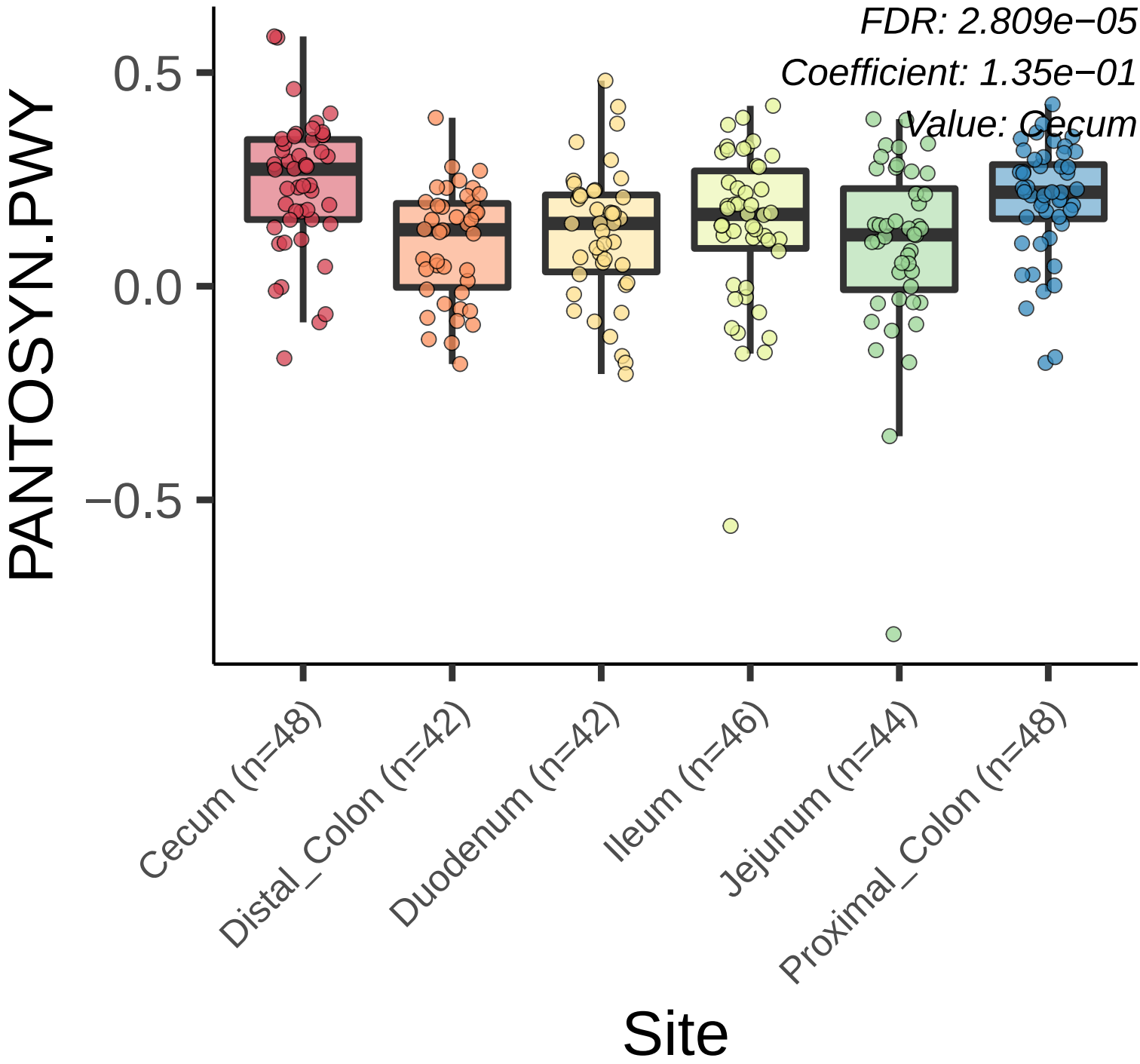

FDR: 2.473e−05
Coefficient: 1.83e−01
Value: Proximal_Colon
PYRIDNUCSAL.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

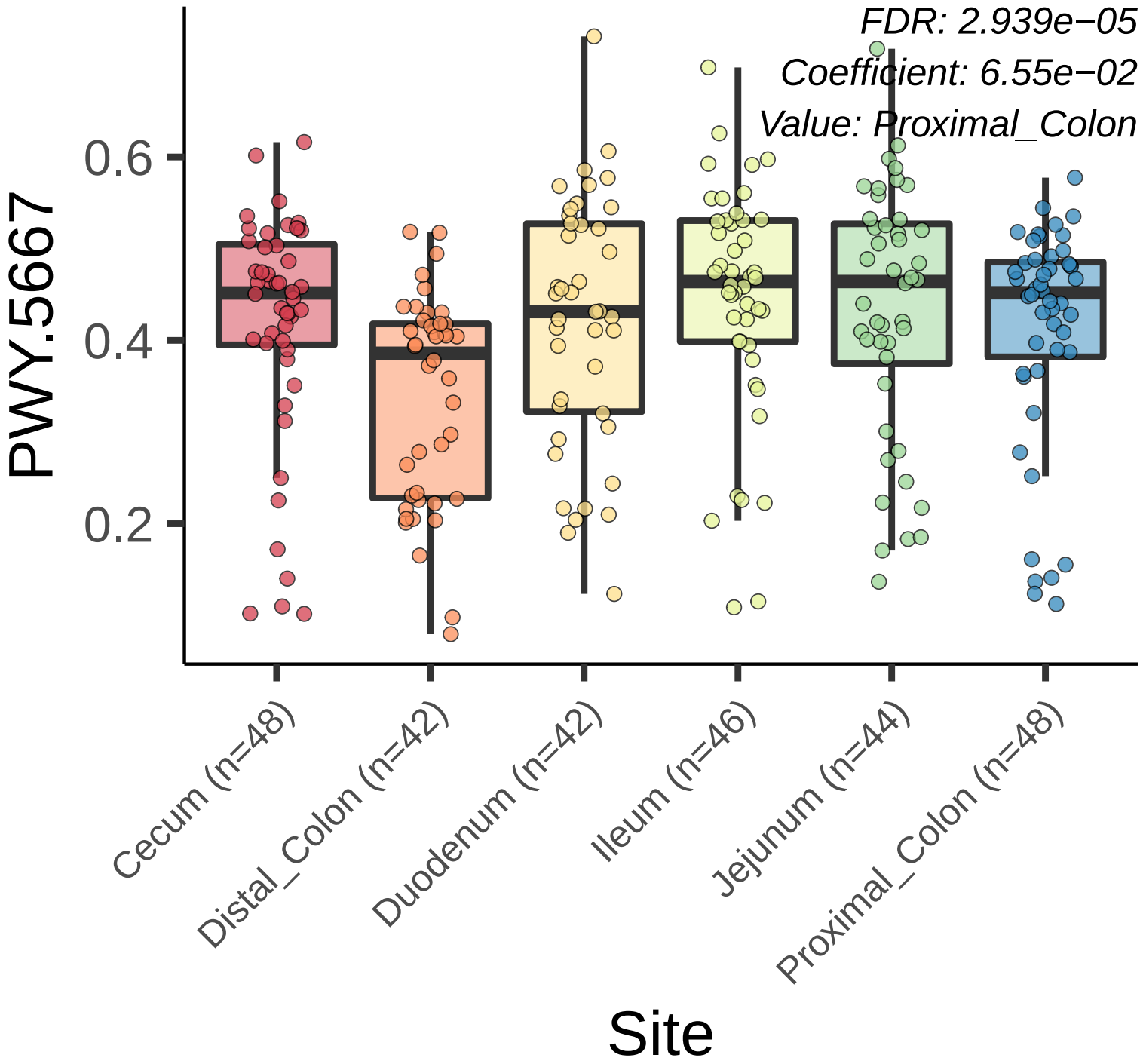

FDR: 2.473e−05
Coefficient: 2.16e−01
Value: Duodenum
LACTOSECAT.PWY
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

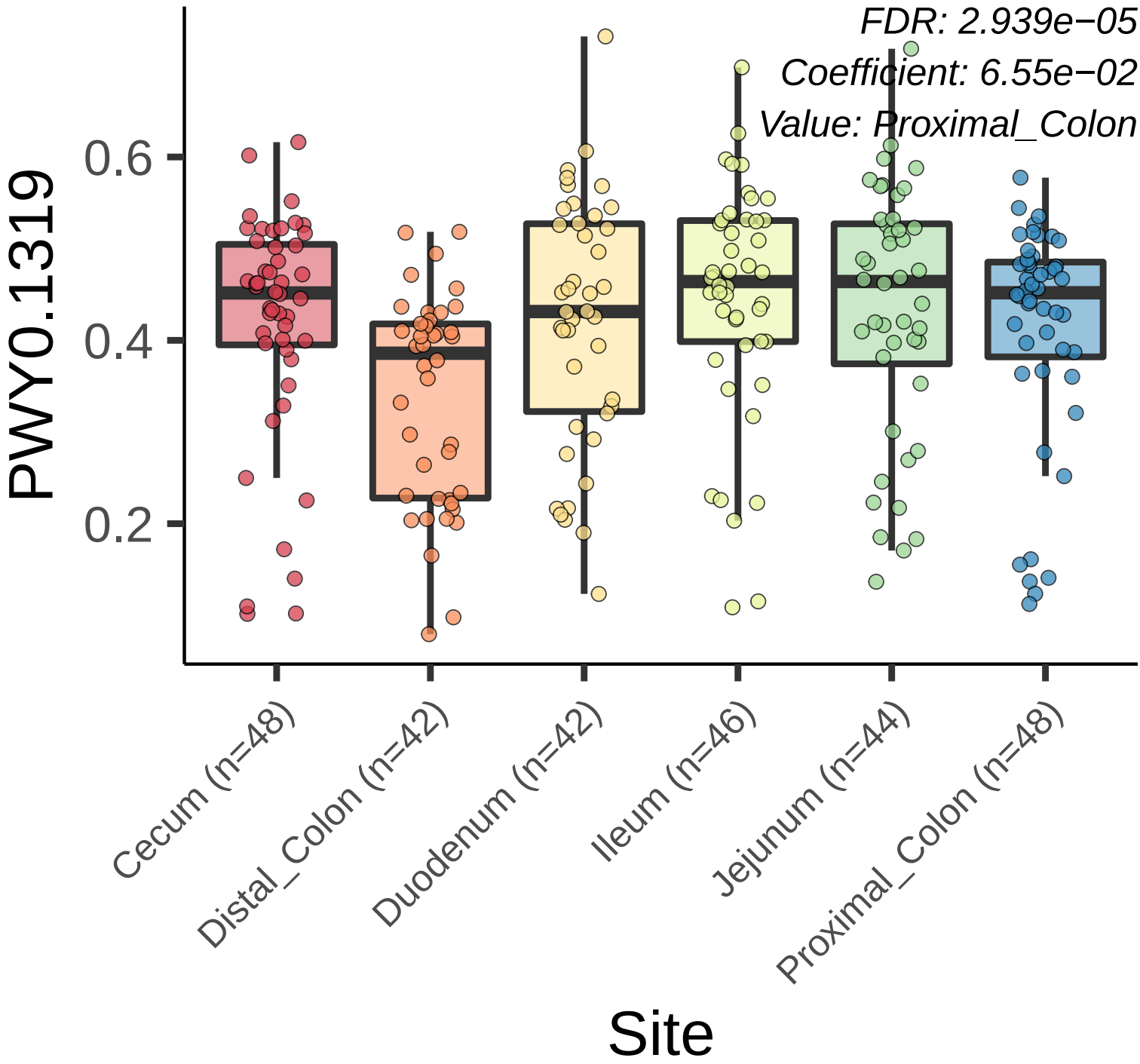

FDR: 2.696e−05
Coefficient: 1.37e−01
Value: Cecum
HISTSYN.PWY
0.6
0.3
0.0
−0.3
−0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

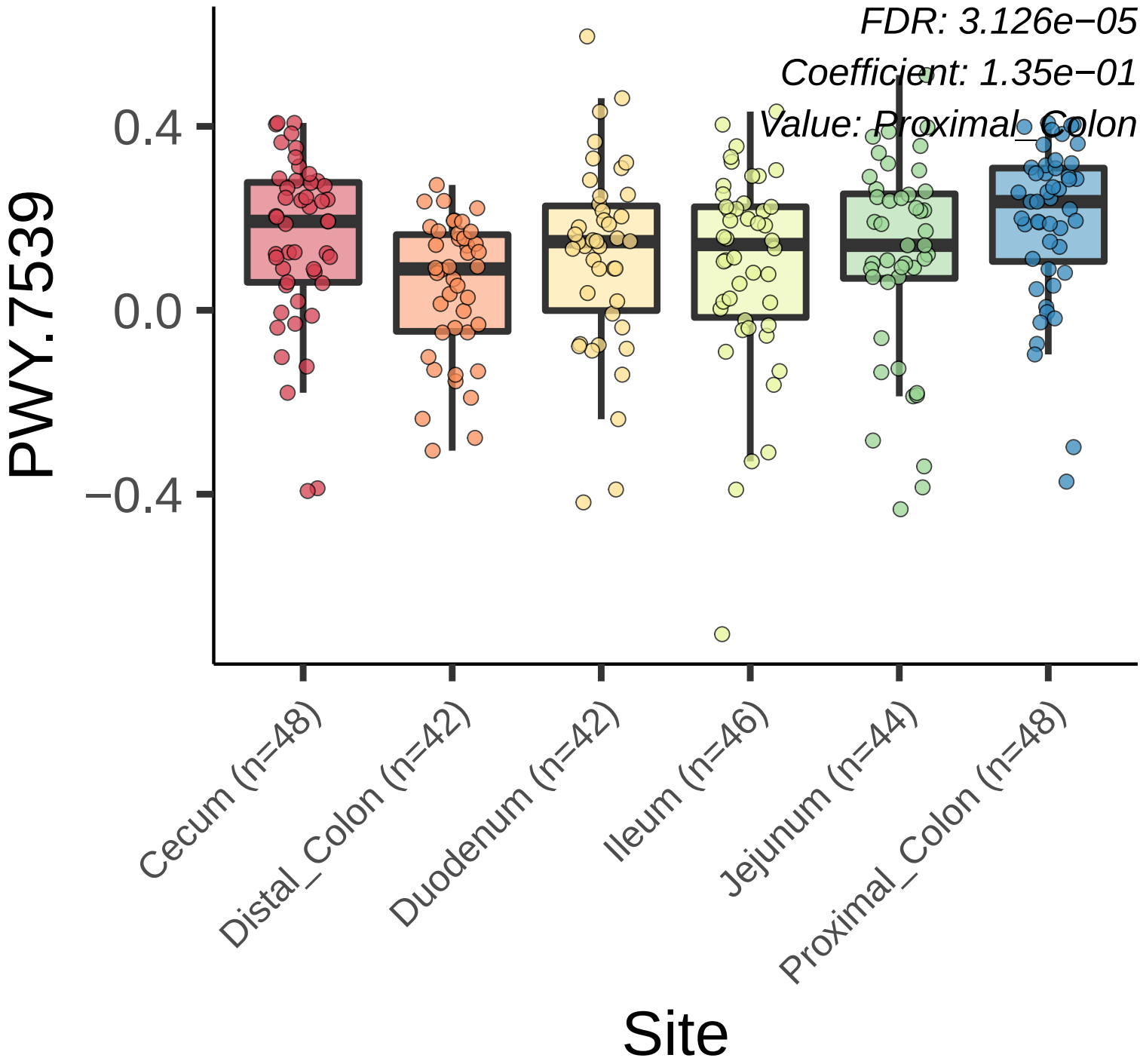

FDR: 2.746e−05
Coefficient: 5.99e−02
Value: Duodenum
GLYCOLYSIS
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

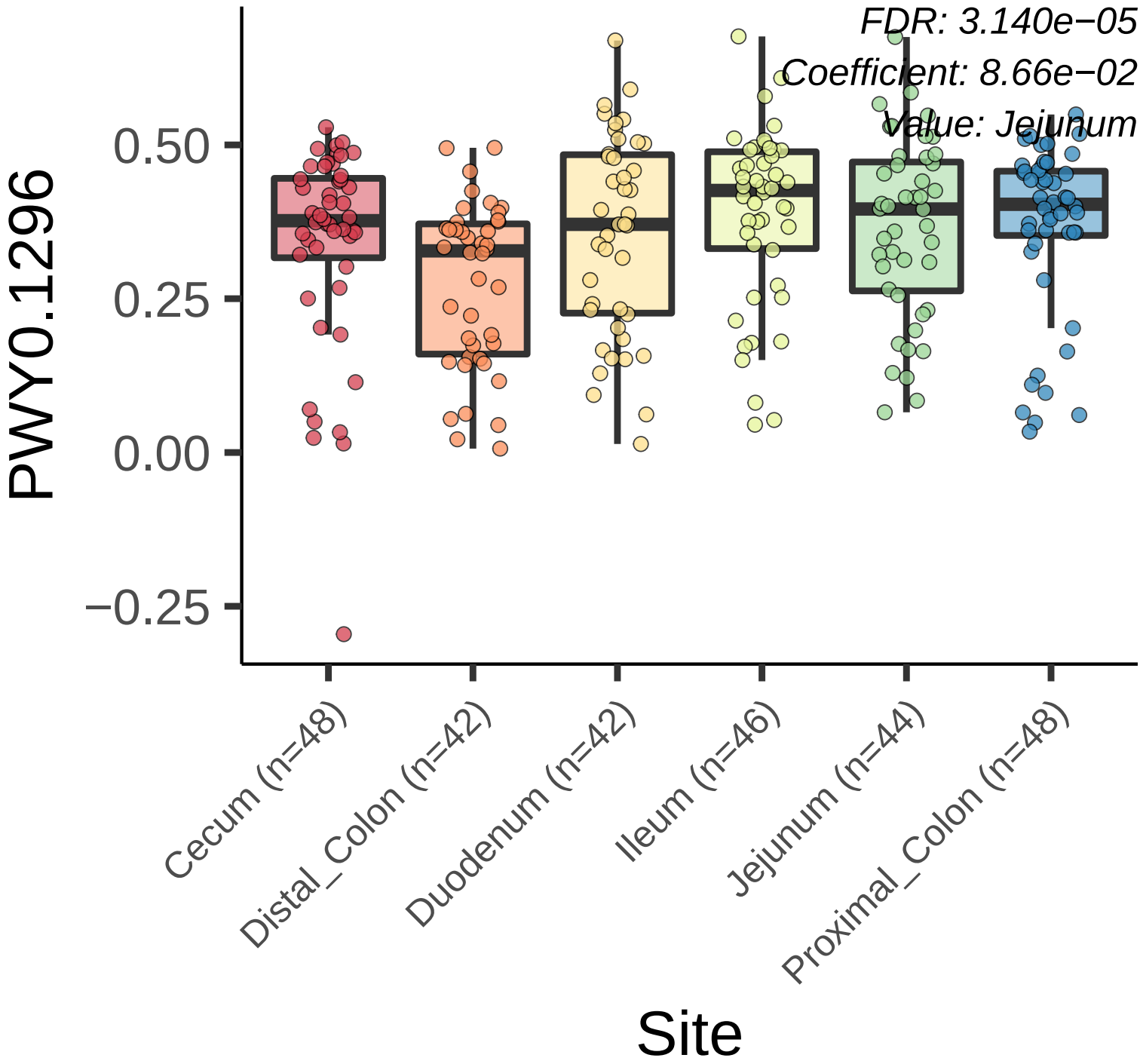

FDR: 2.801e−05
Coefficient: 6.49e−02
Value: Cecum
GLUCONEO.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

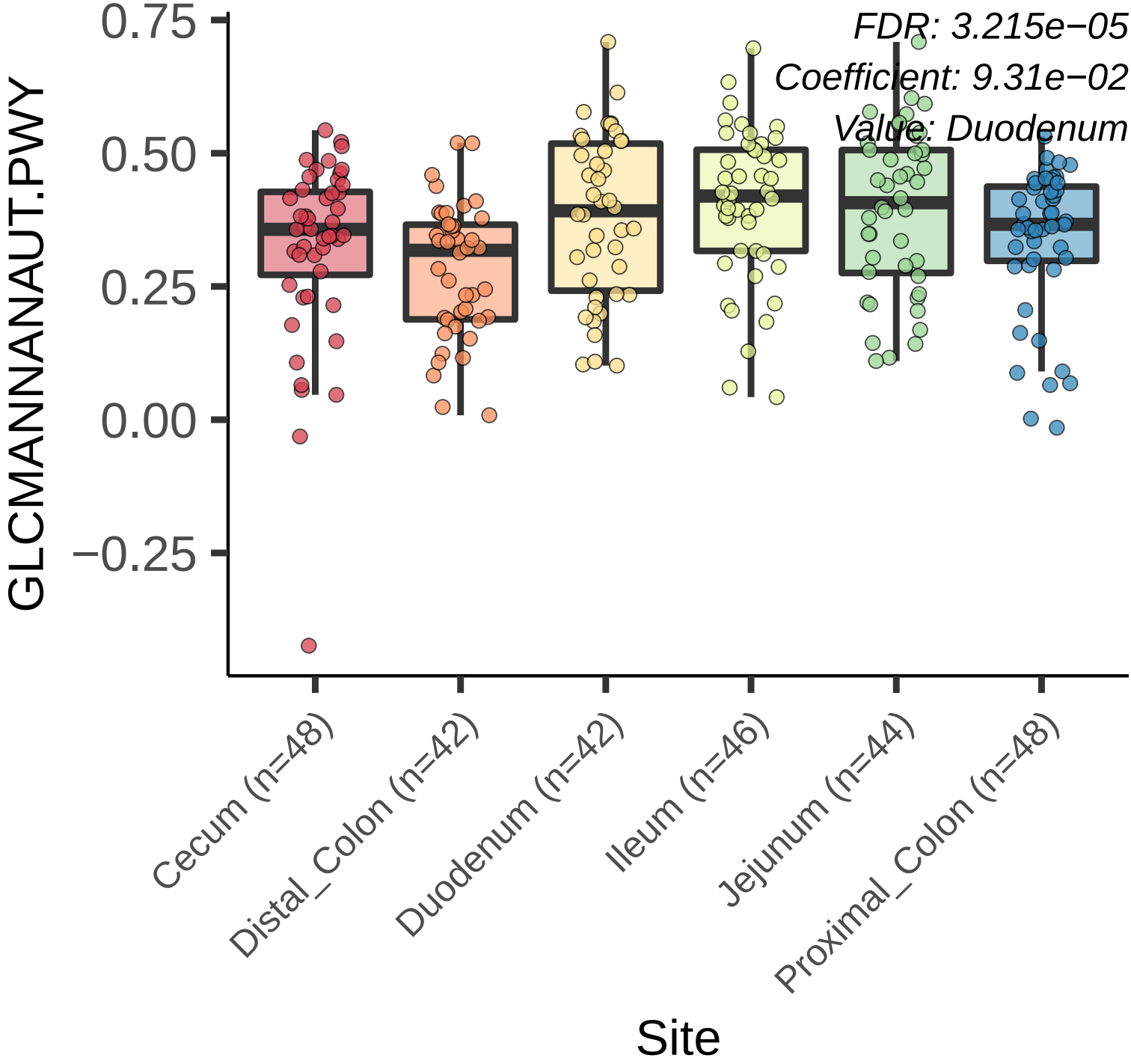

FDR: 2.809e−05
Coefficient: 1.35e−01
Value: Cecum
PANTOSYN.PWY
0.5
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

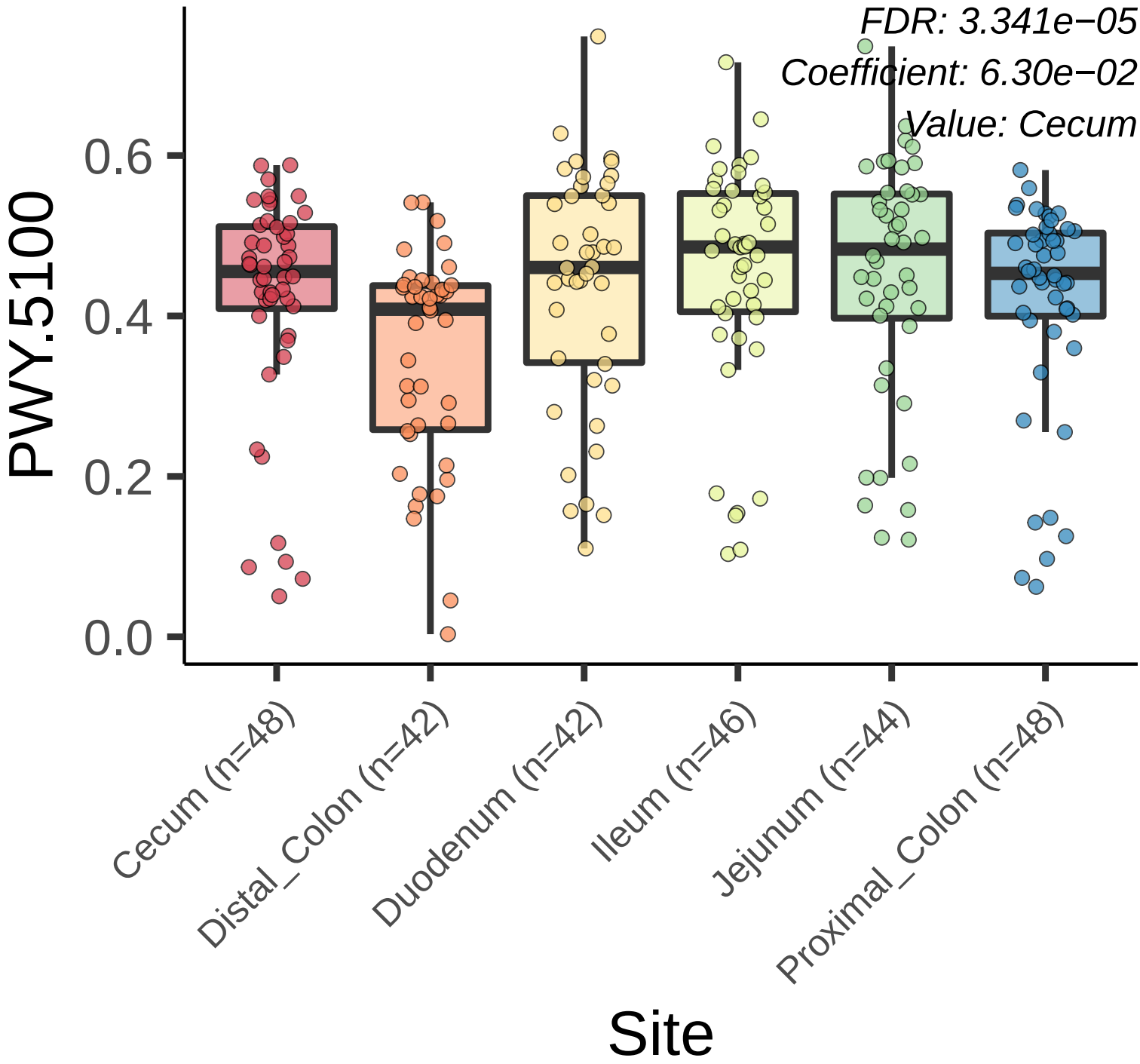

FDR: 2.939e−05
Coefficient: 6.55e−02
Value: Proximal_Colon
PWY.5667
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

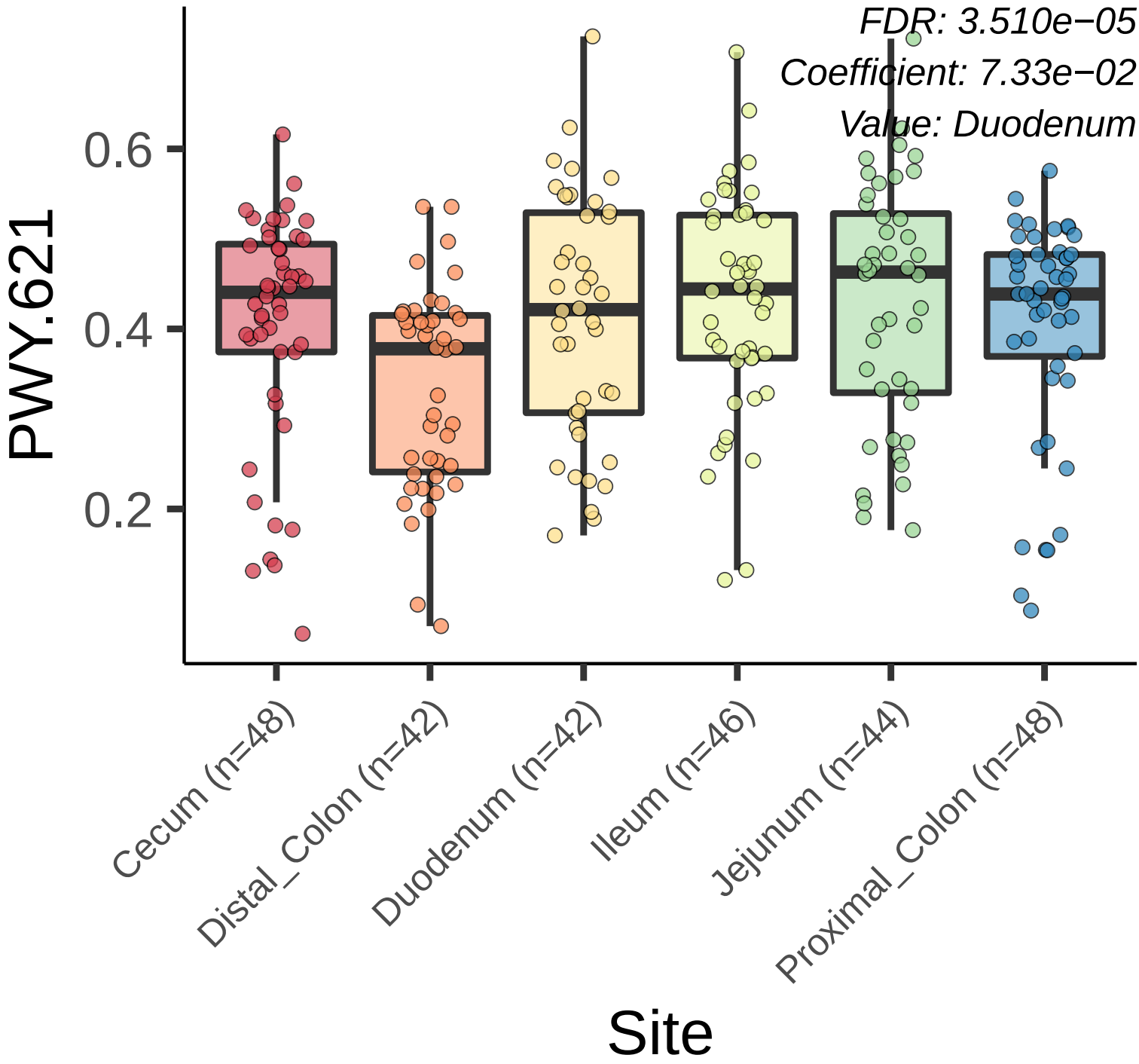

FDR: 2.939e−05
Coefficient: 6.55e−02
Value: Proximal_Colon
PWY0.1319
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

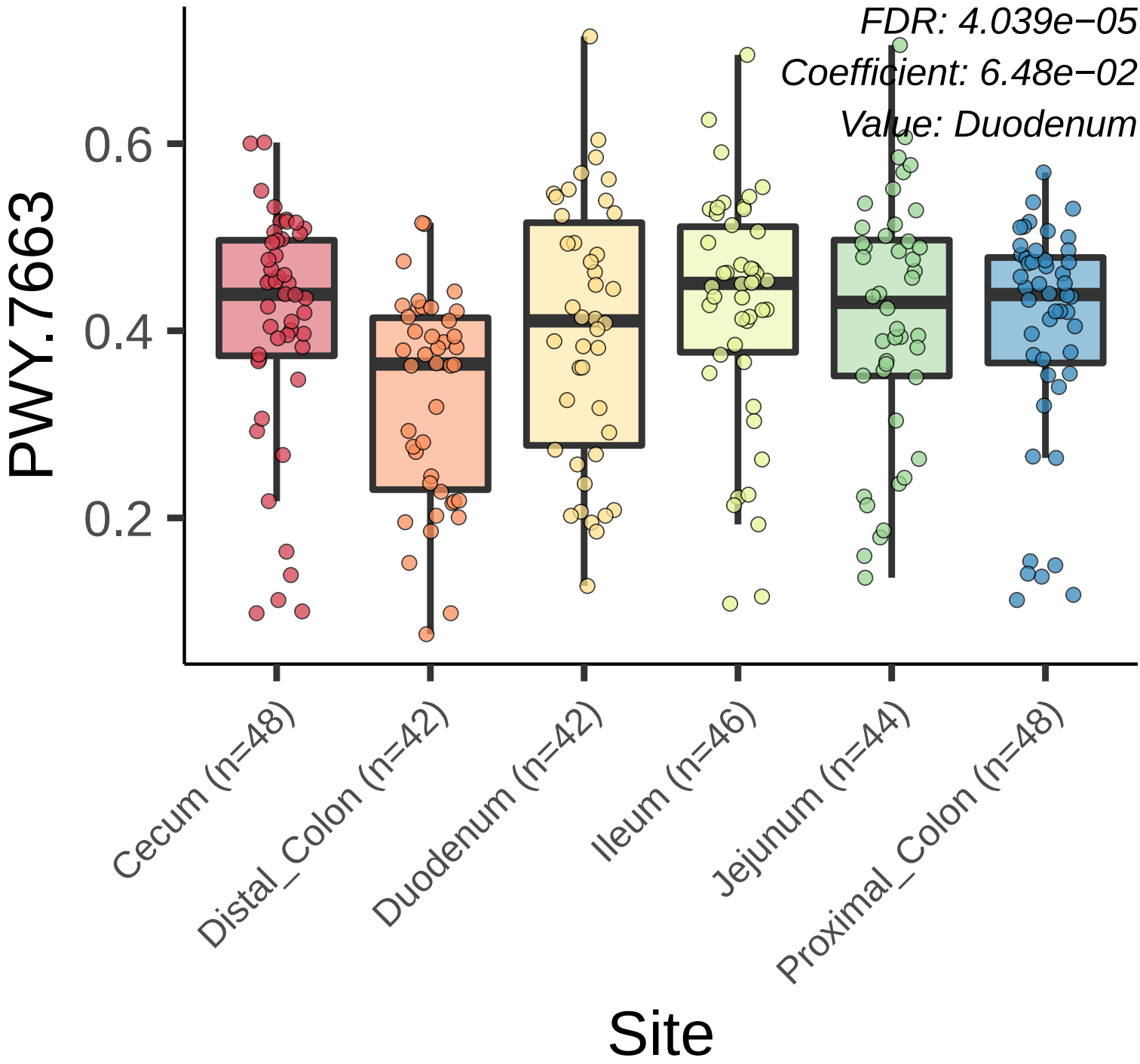

FDR: 3.126e−05
Coefficient: 1.35e−01
Value: Proximal_Colon
PWY.7539
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

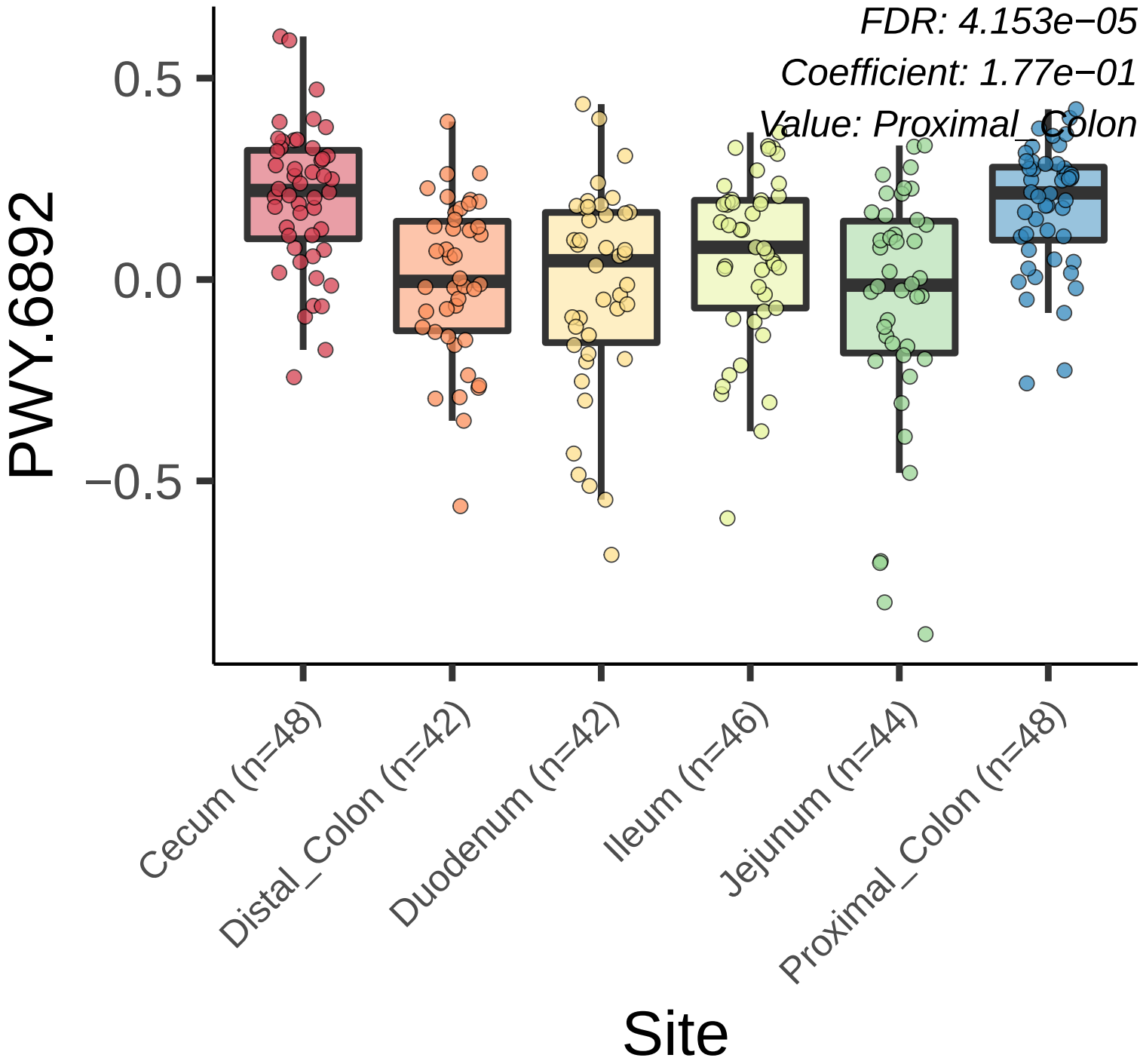

FDR: 3.140e−05
Coefficient: 8.66e−02
Value: Jejunum
PWY0.1296
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

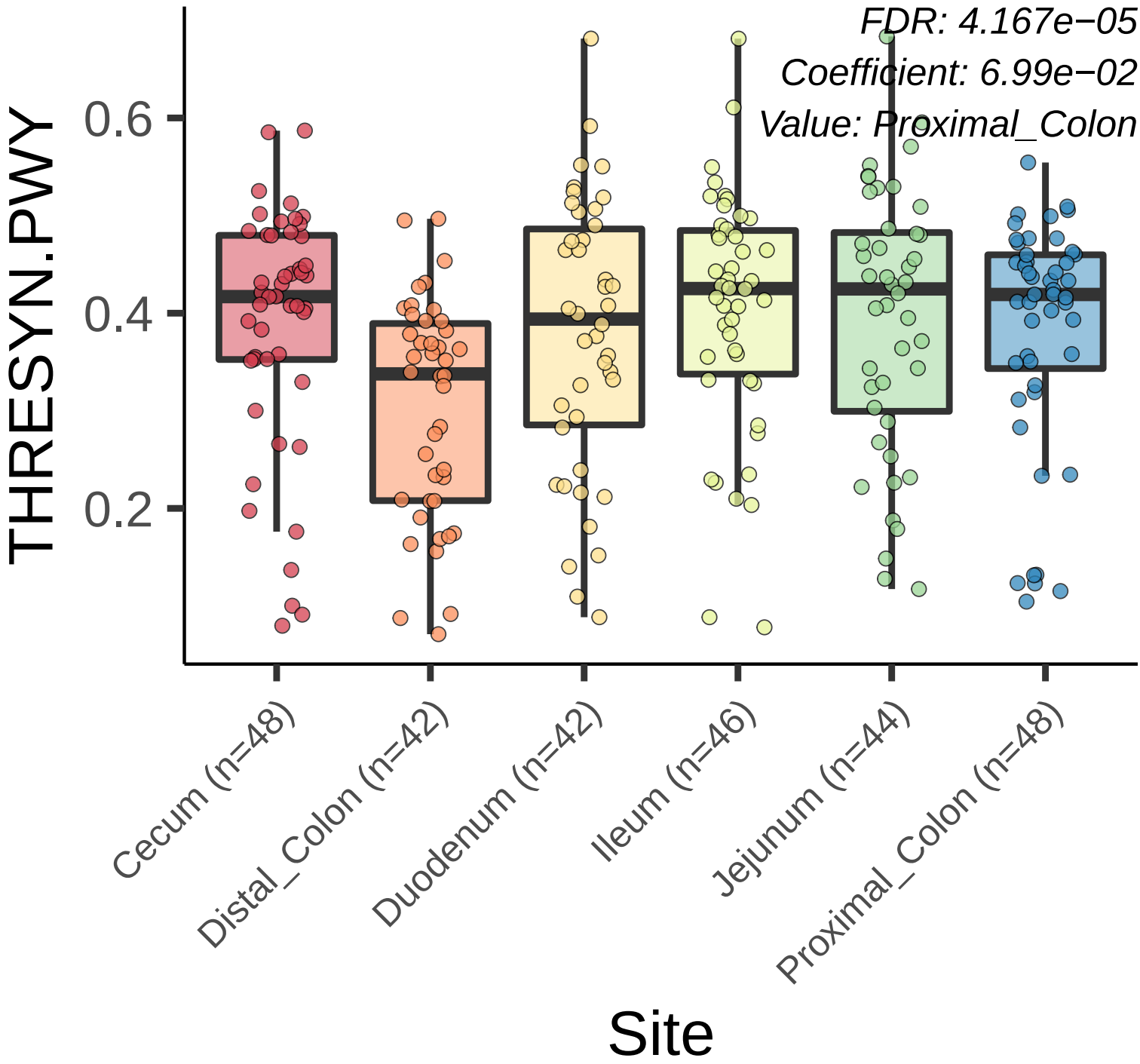

FDR: 3.215e−05
Coefficient: 9.31e−02
Value: Duodenum
GLCMANNANAUT.PWY
0.75
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

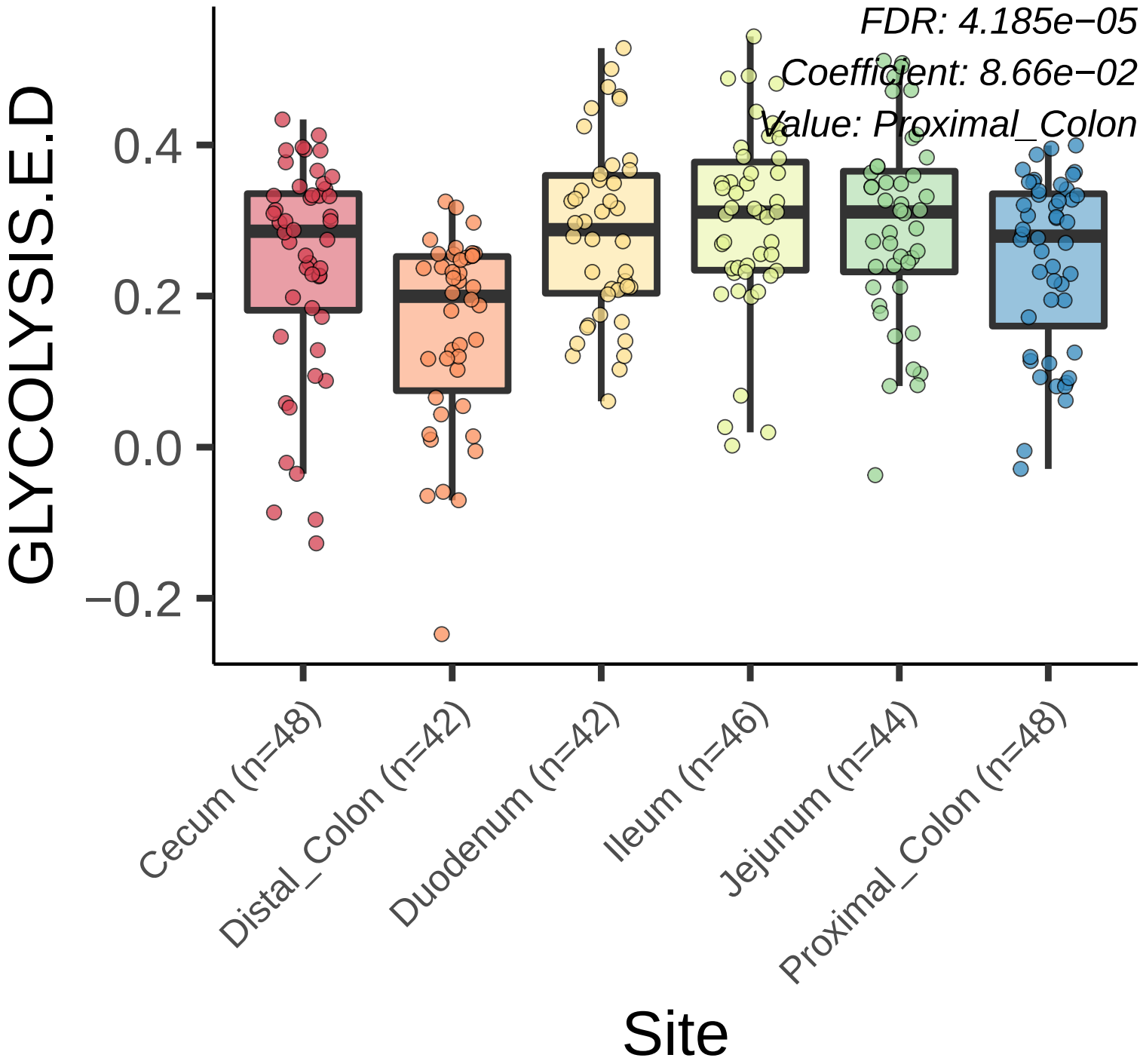

FDR: 3.341e−05
Coefficient: 6.30e−02
Value: Cecum
PWY.5100
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

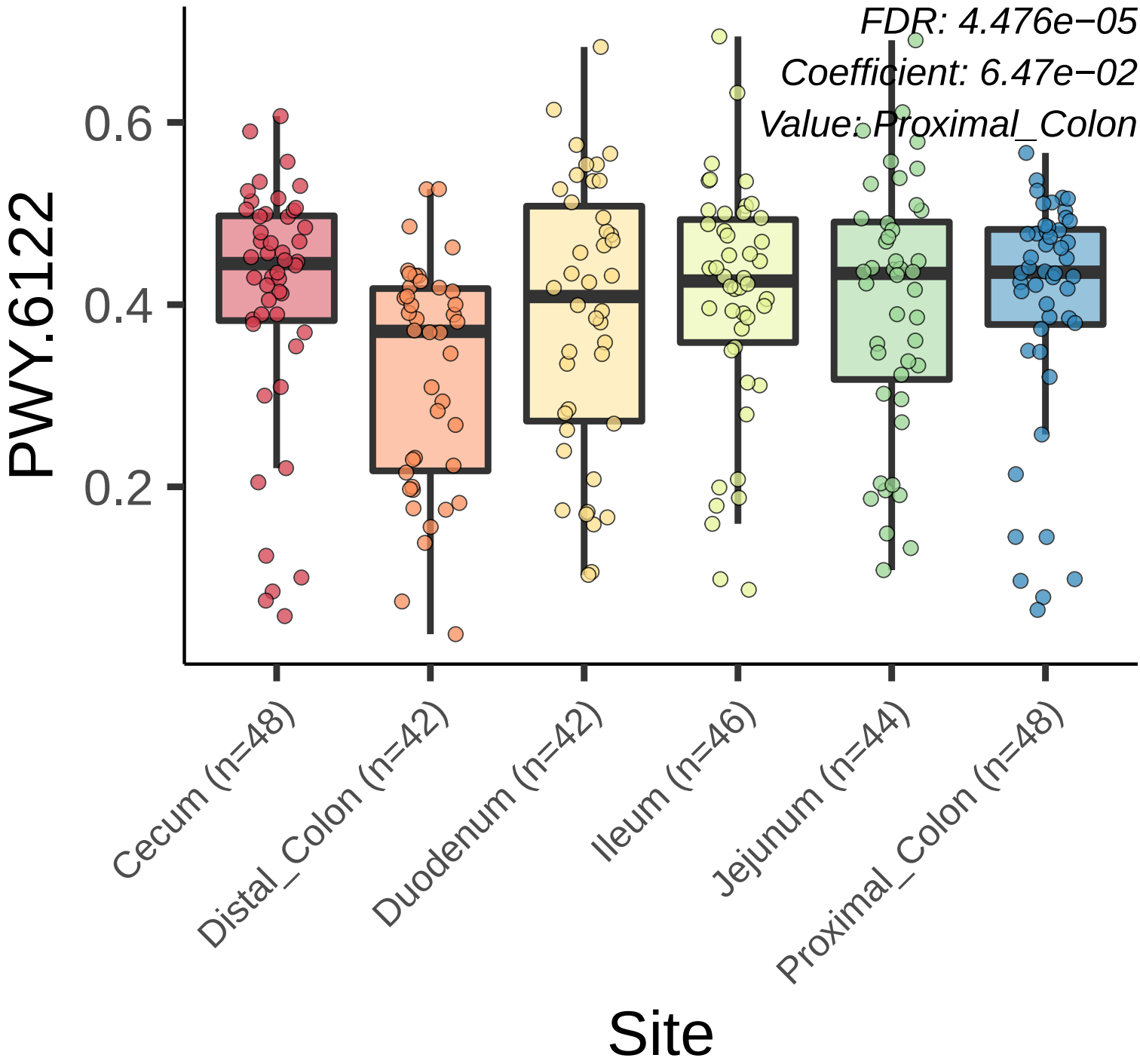

FDR: 3.510e−05
Coefficient: 7.33e−02
Value: Duodenum
PWY.621
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

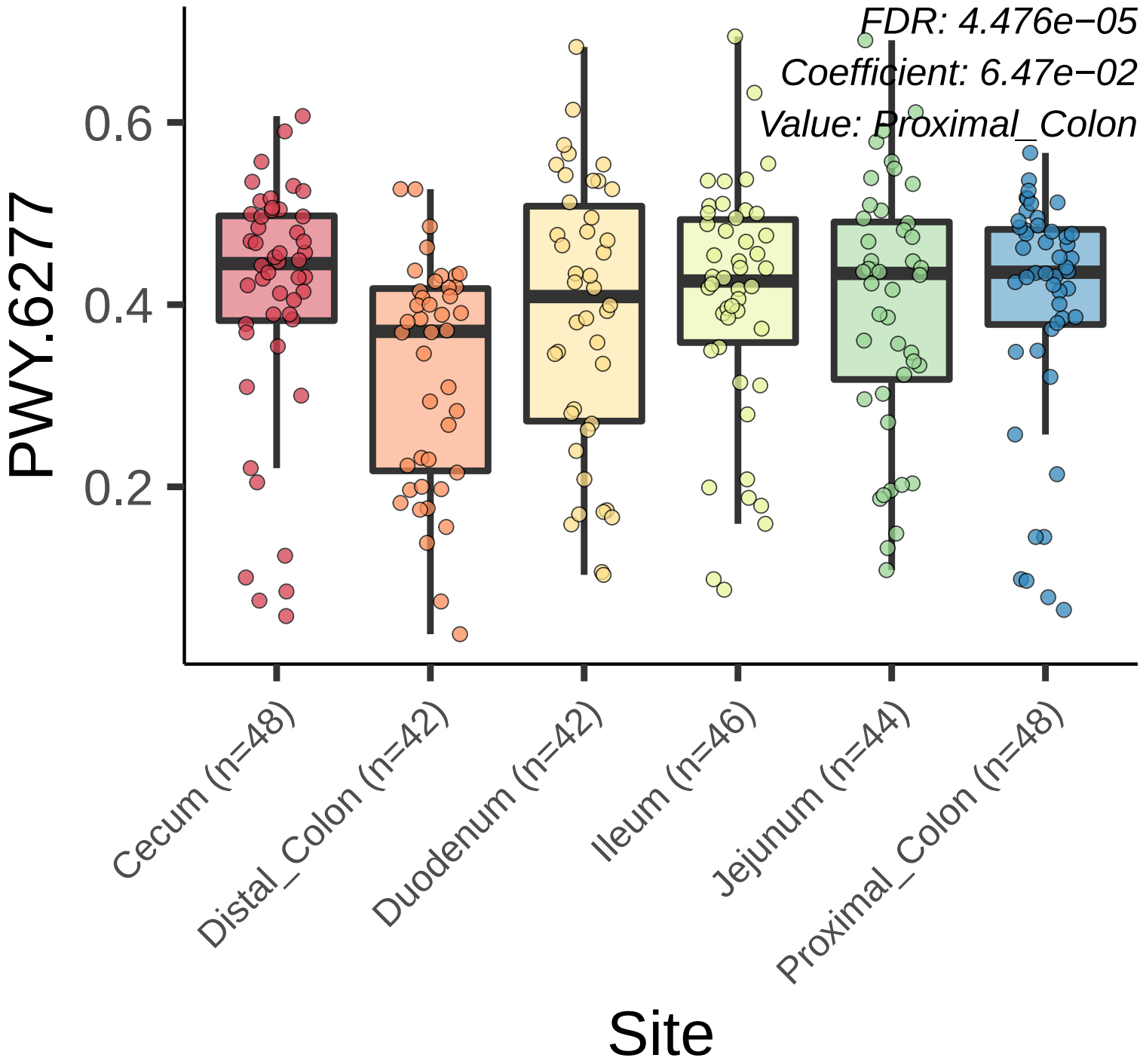

FDR: 4.039e−05
Coefficient: 6.48e−02
Value: Duodenum
PWY.7663
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

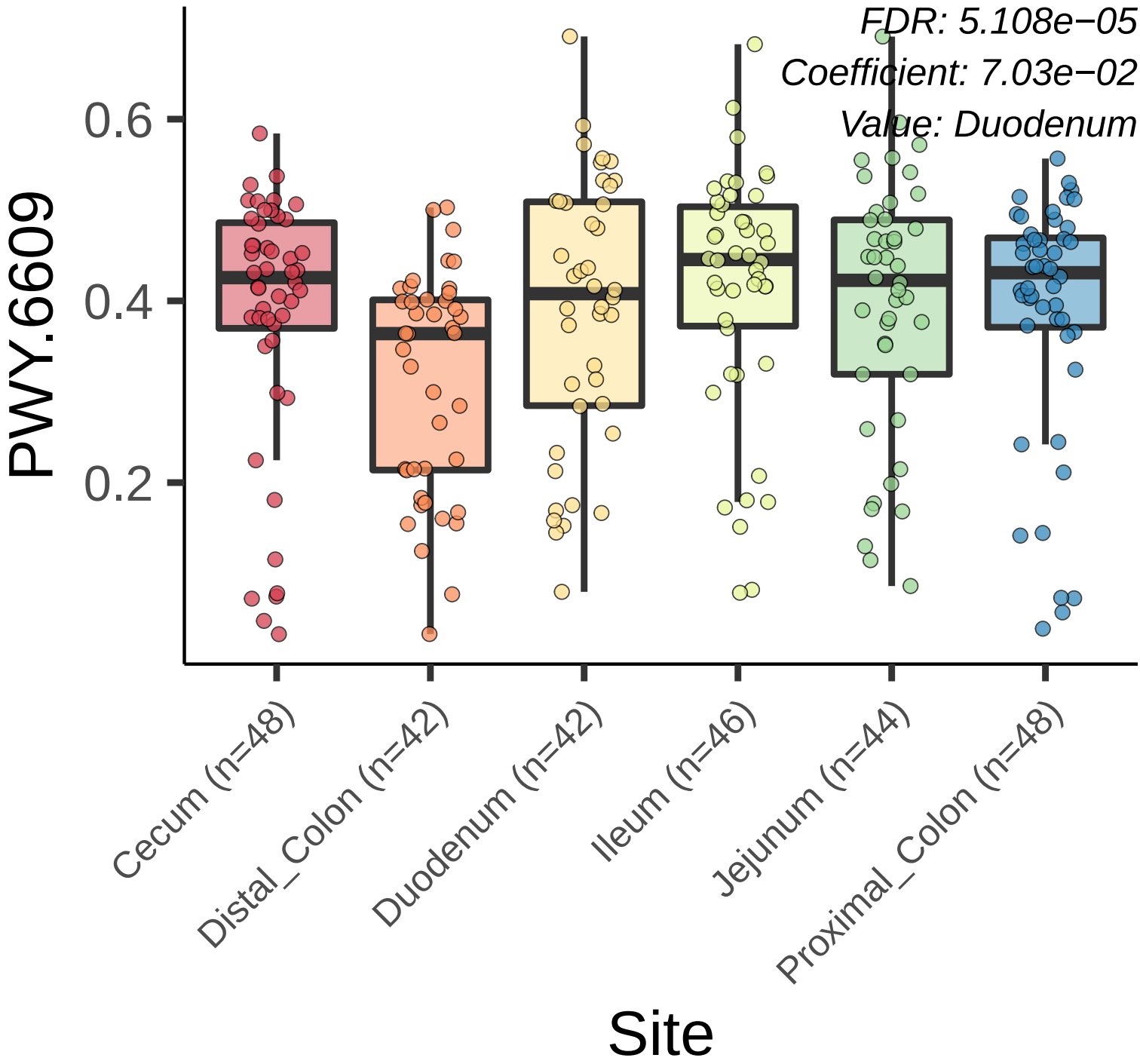

FDR: 4.153e−05
Coefficient: 1.77e−01
Value: Proximal_Colon
PWY.6892
0.5
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

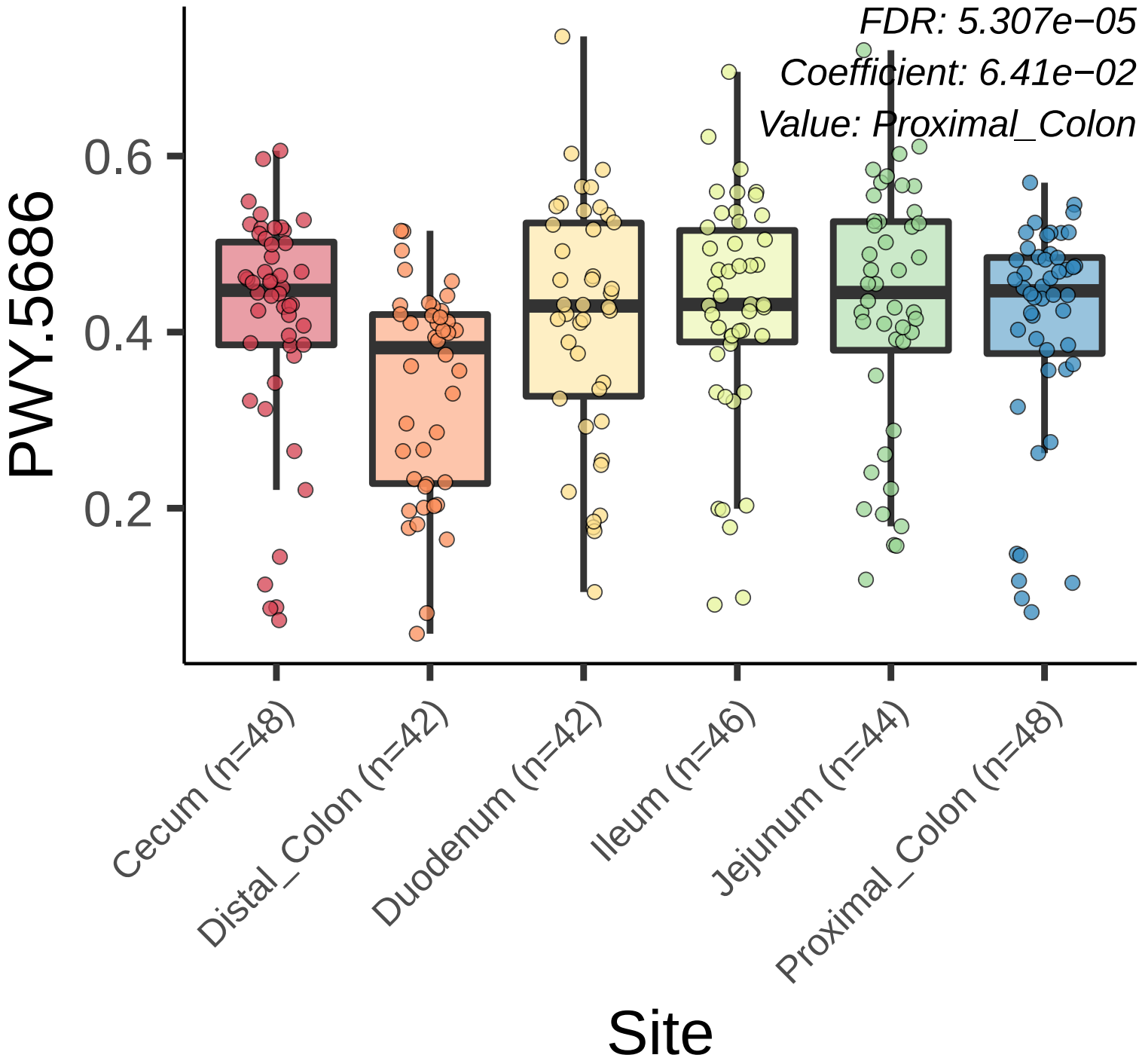

FDR: 4.167e−05
Coefficient: 6.99e−02
Value: Proximal_Colon
THRESYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

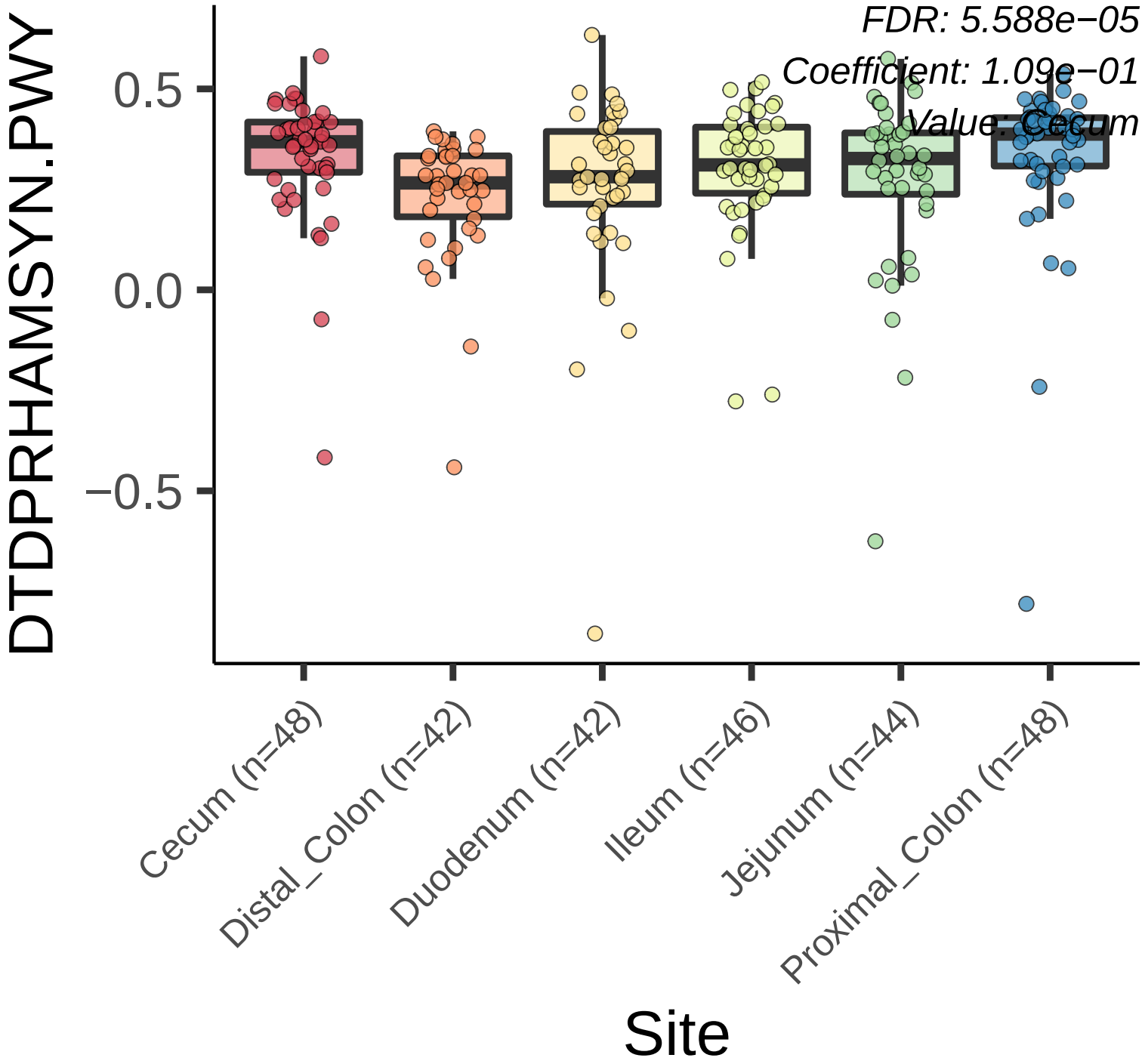

FDR: 4.185e−05
Coefficient: 8.66e−02
Value: Proximal_Colon
GLYCOLYSIS.E.D
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

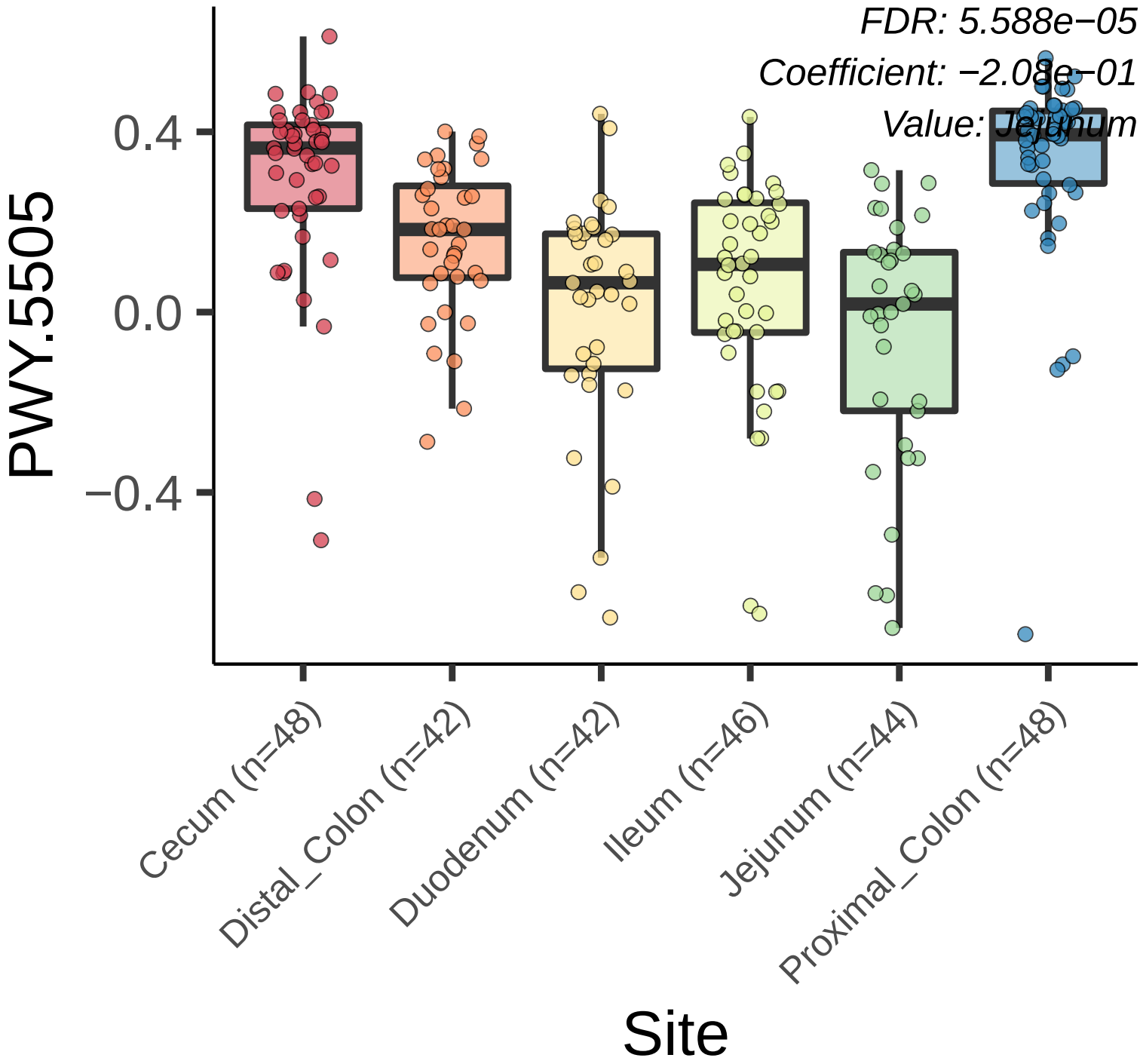

FDR: 4.476e−05
Coefficient: 6.47e−02
Value: Proximal_Colon
PWY.6122
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

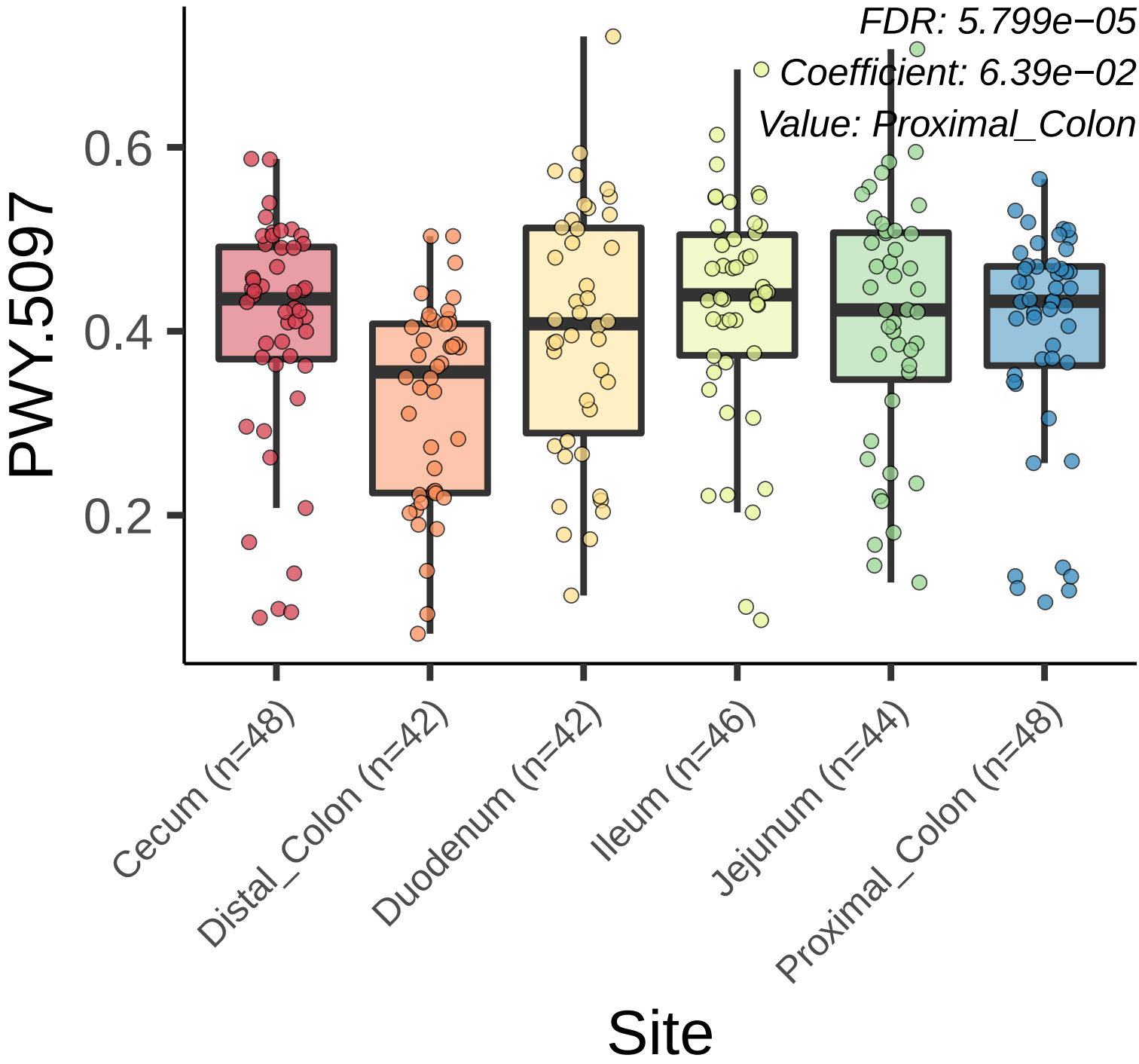

FDR: 4.476e−05
Coefficient: 6.47e−02
Value: Proximal_Colon
PWY.6277
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

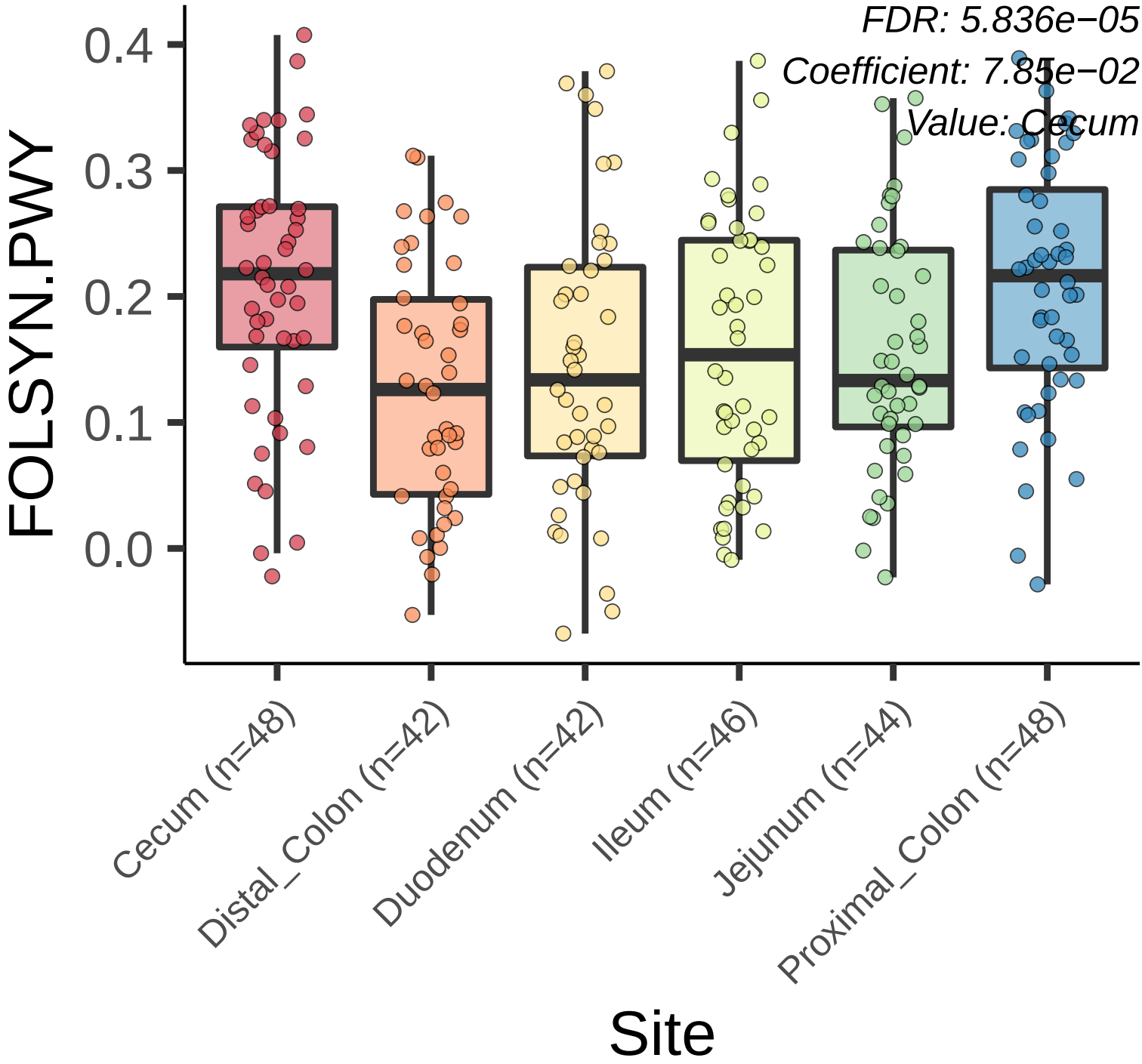

FDR: 5.108e−05
Coefficient: 7.03e−02
Value: Duodenum
PWY.6609
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

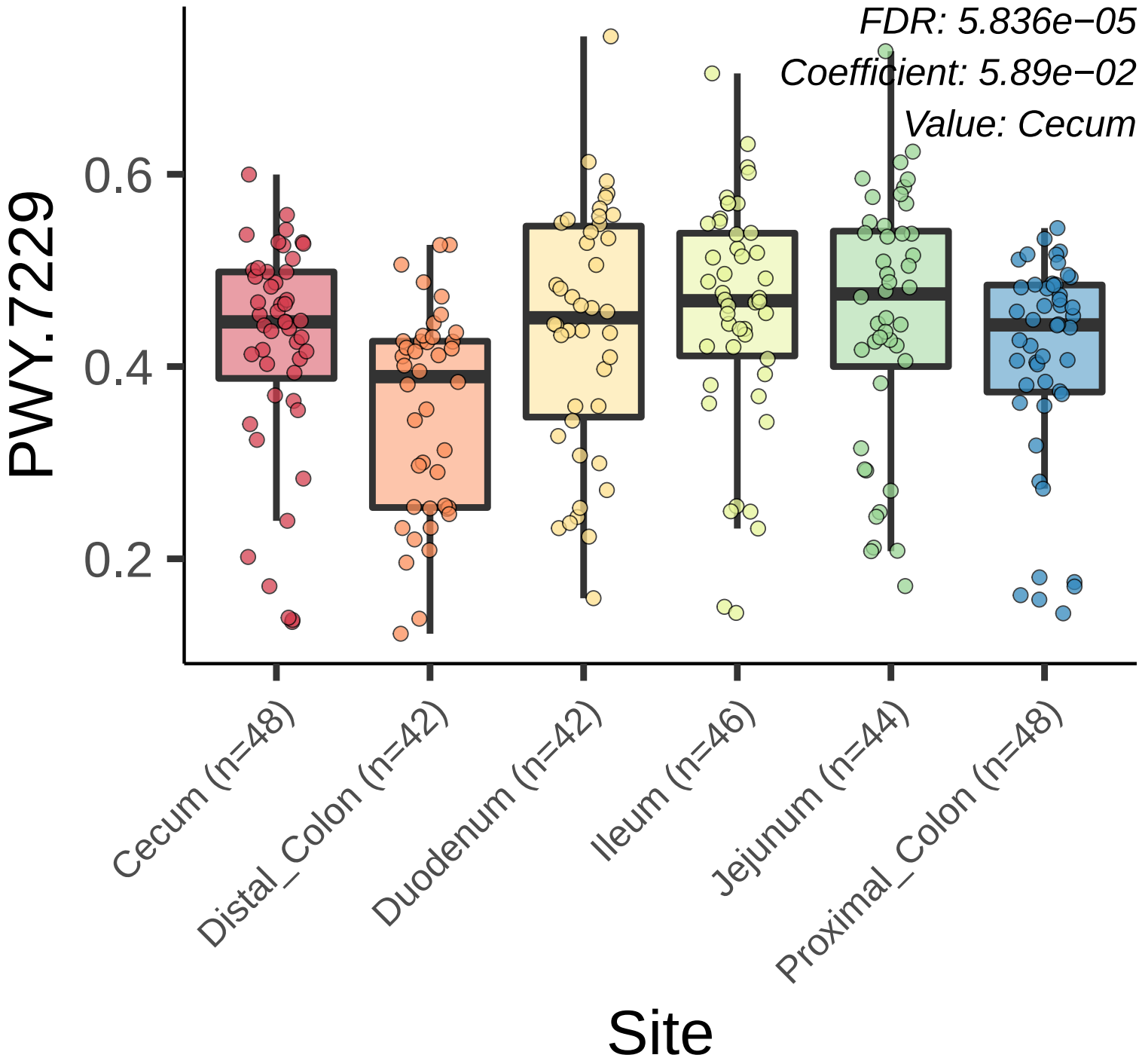

FDR: 5.307e−05
Coefficient: 6.41e−02
Value: Proximal_Colon
PWY.5686
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

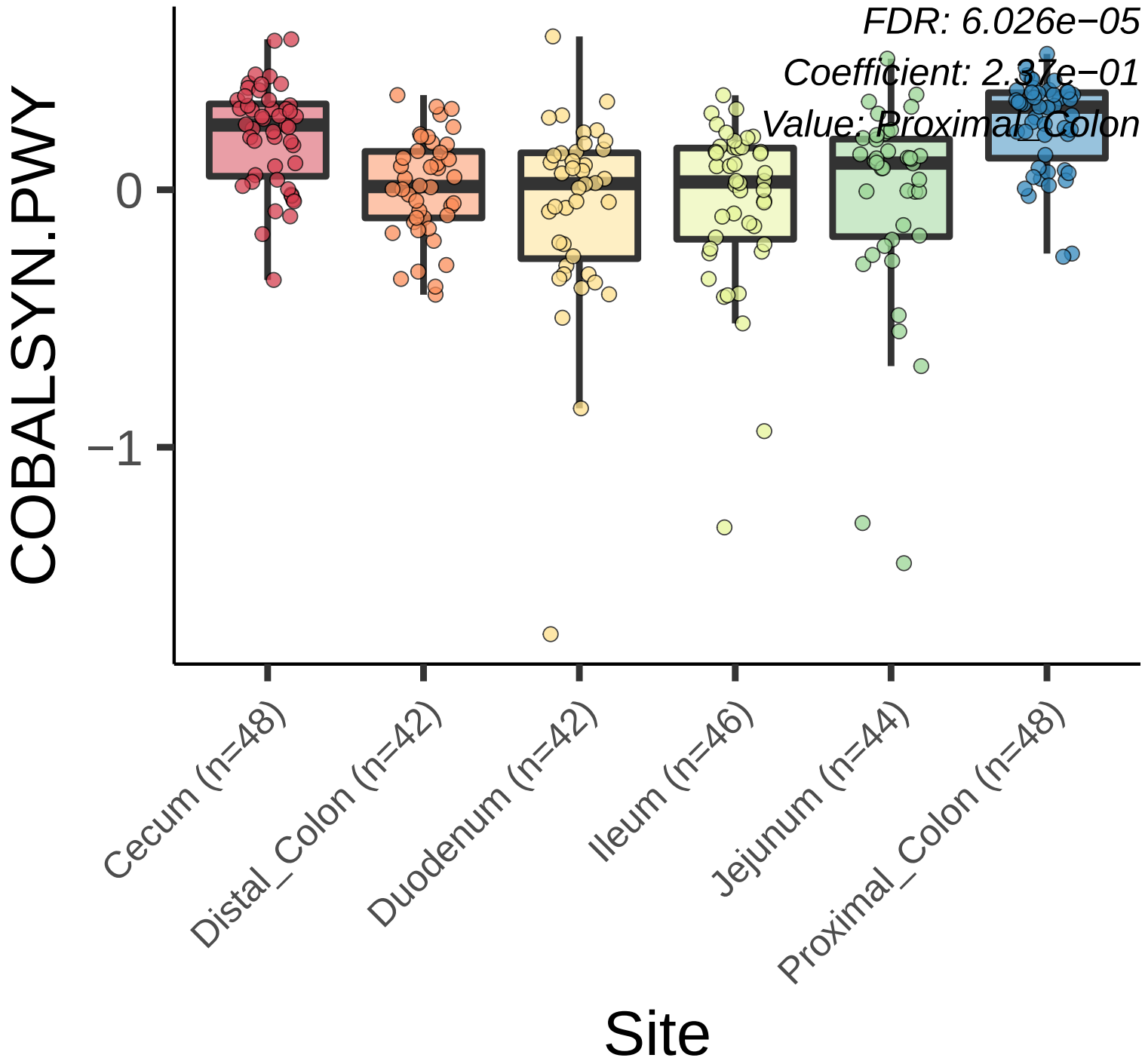

FDR: 5.588e−05
Coefficient: 1.09e−01
Value: Cecum
DTDPRHAMSYN.PWY
0.5
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

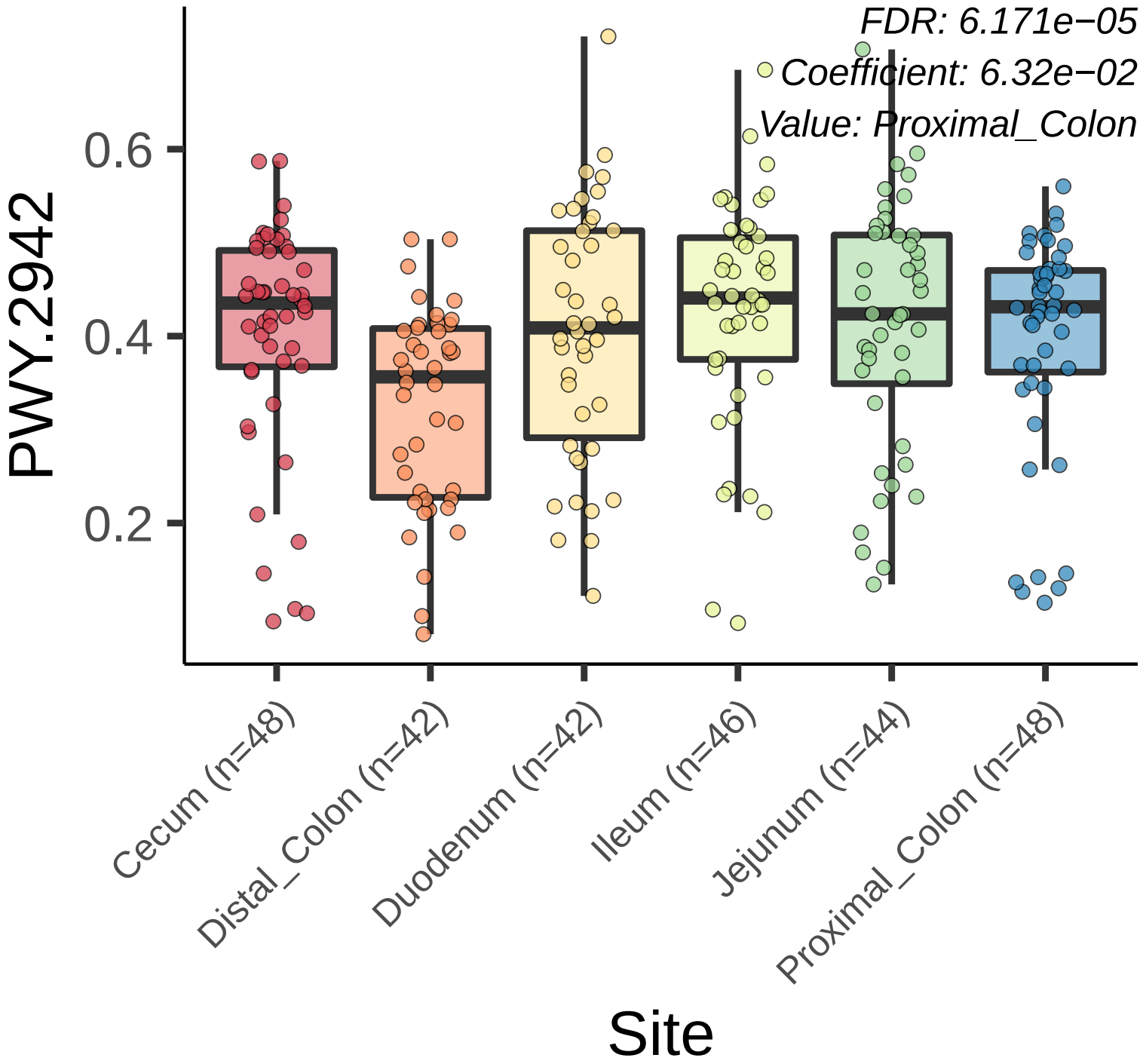

FDR: 5.588e−05
Coefficient: −2.08e−01
Value: Jejunum
PWY.5505
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

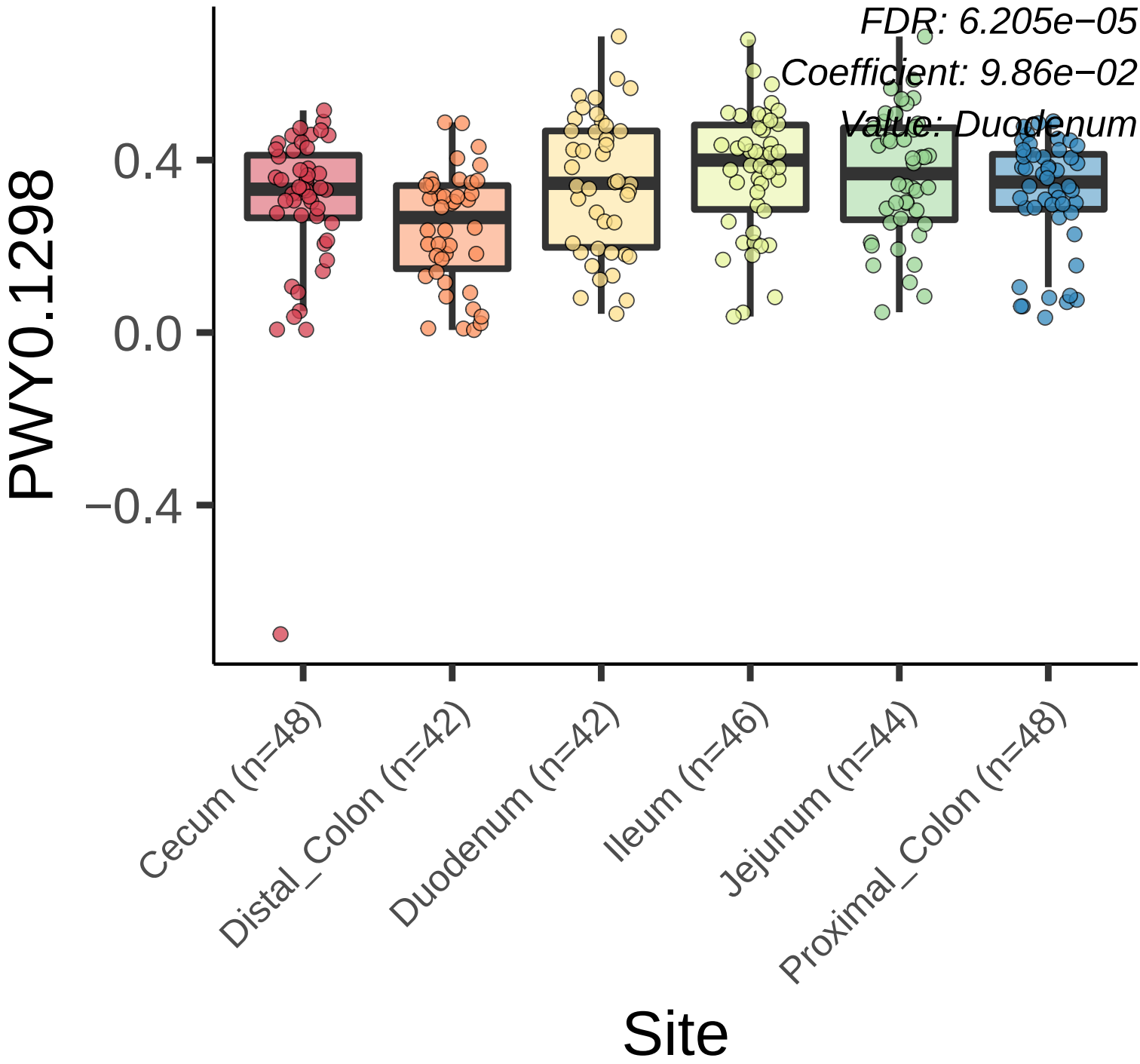

FDR: 5.799e−05
Coefficient: 6.39e−02
Value: Proximal_Colon
PWY.5097
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

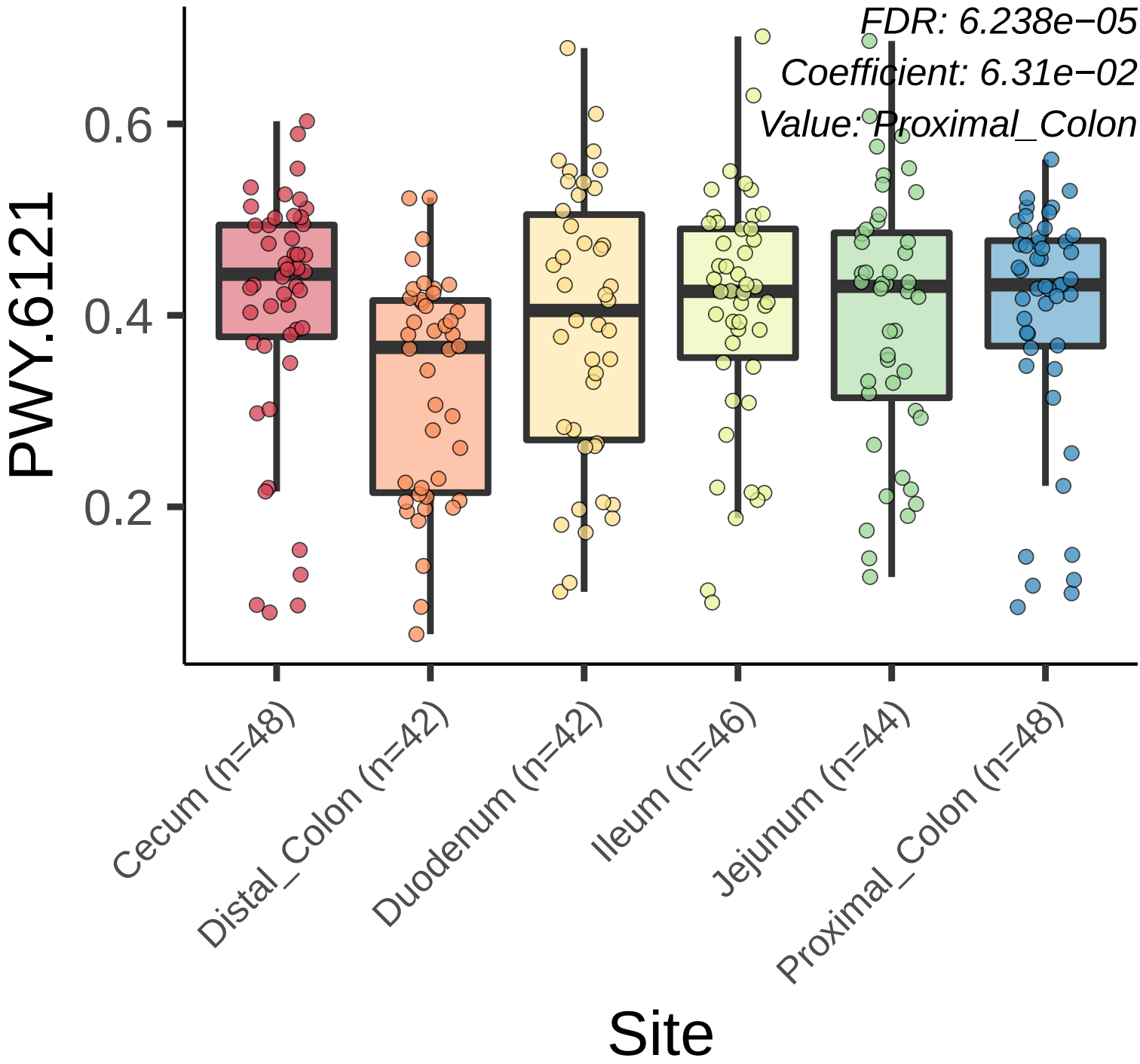

FDR: 5.836e−05
Coefficient: 7.85e−02
Value: Cecum
FOLSYN.PWY
0.4
0.3
0.2
0.1
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

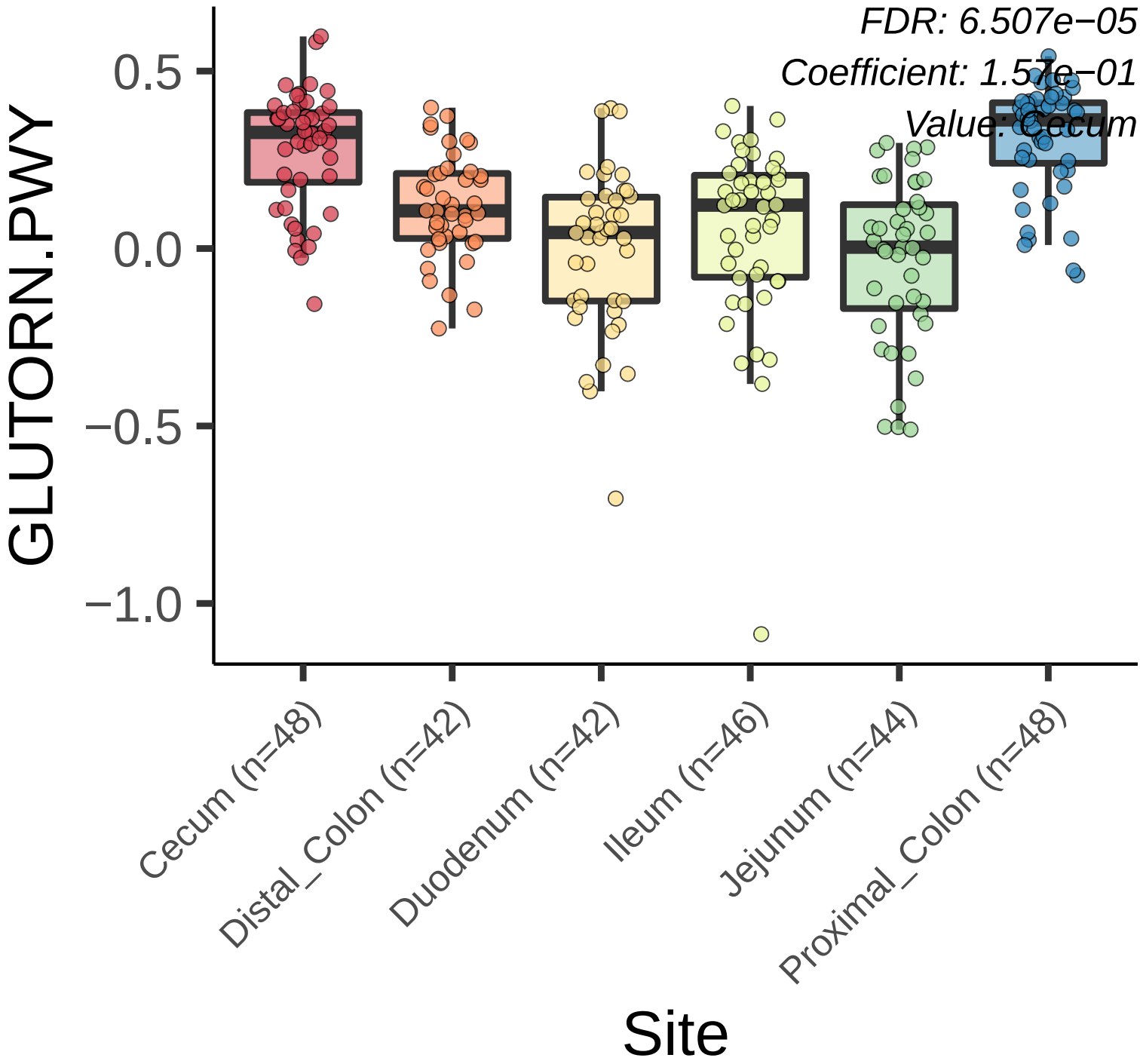

FDR: 5.836e−05
Coefficient: 5.89e−02
Value: Cecum
PWY.7229
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

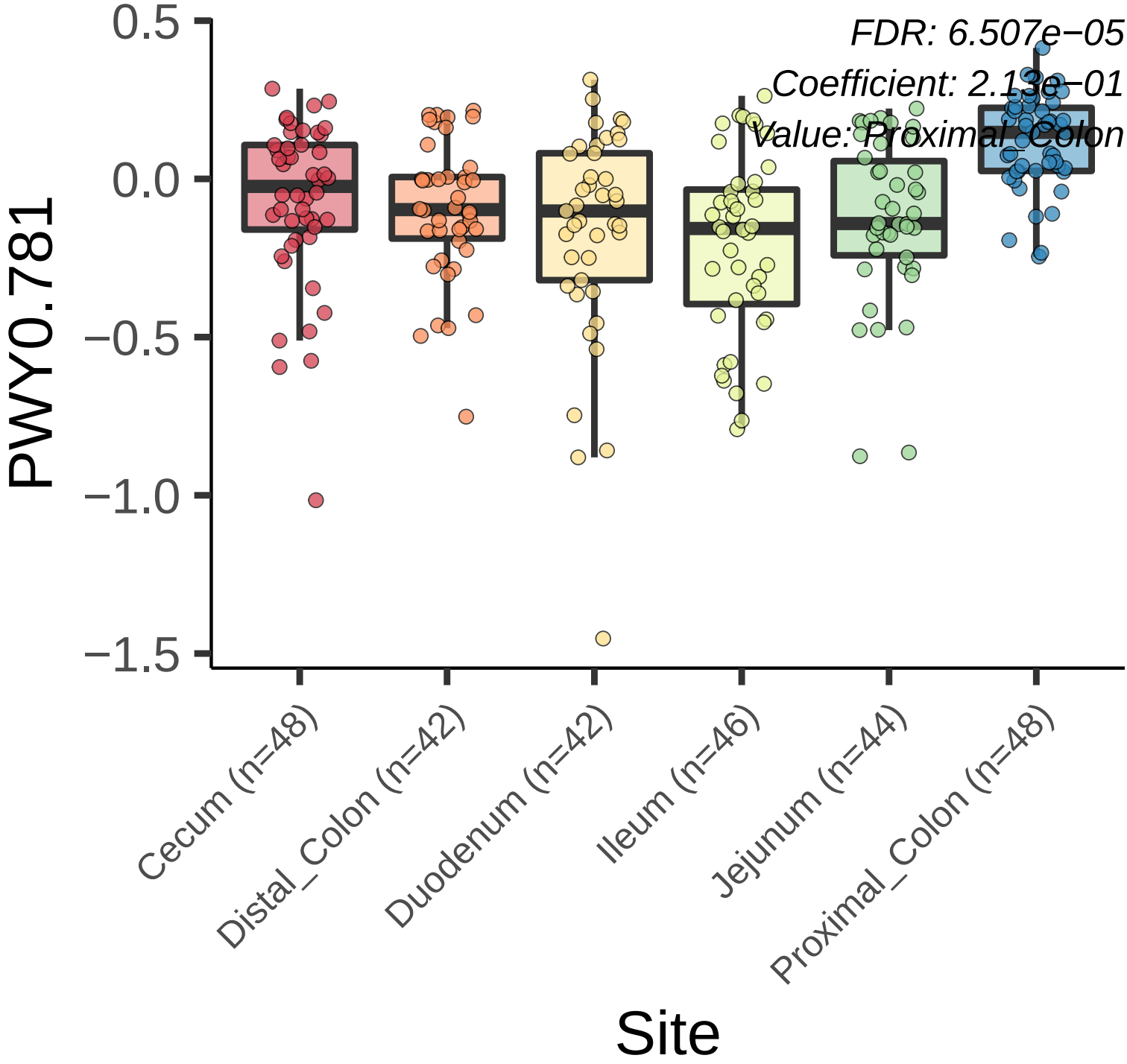

FDR: 6.026e−05
Coefficient: 2.37e−01
Value: Proximal_Colon
COBALSYN.PWY
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

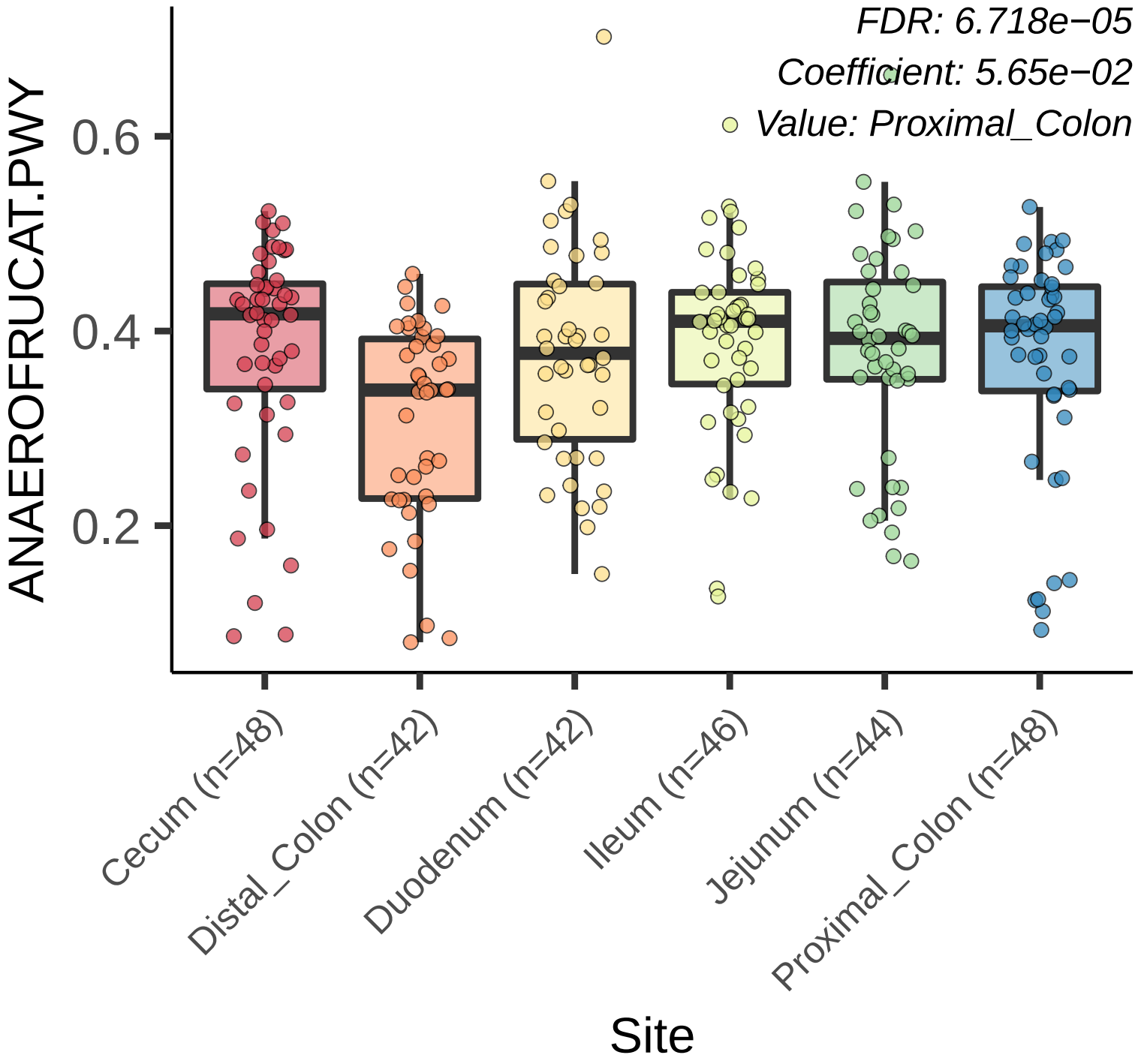

FDR: 6.171e−05
Coefficient: 6.32e−02
Value: Proximal_Colon
PWY.2942
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

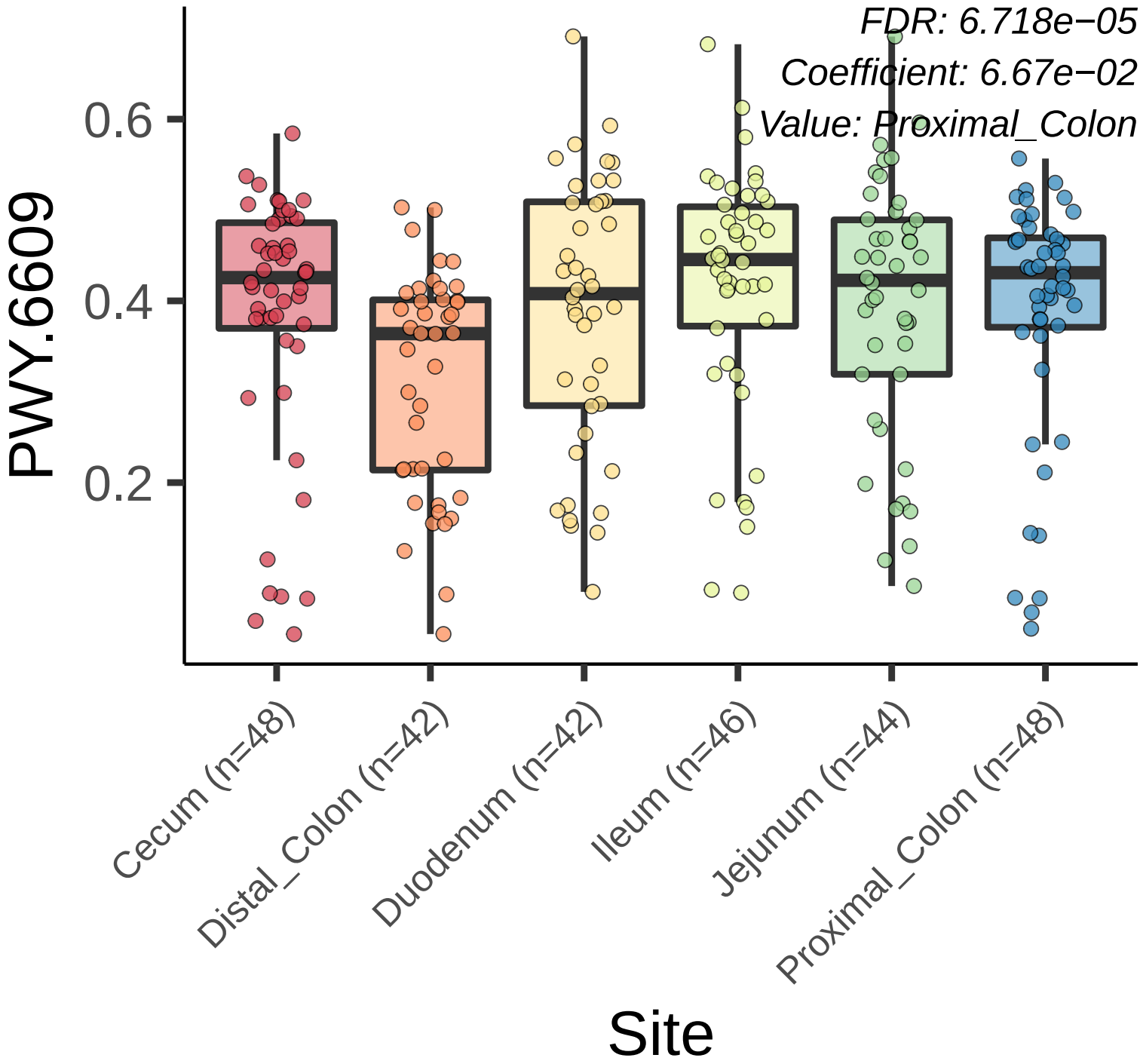

FDR: 6.205e−05
Coefficient: 9.86e−02
Value: Duodenum
PWY0.1298
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

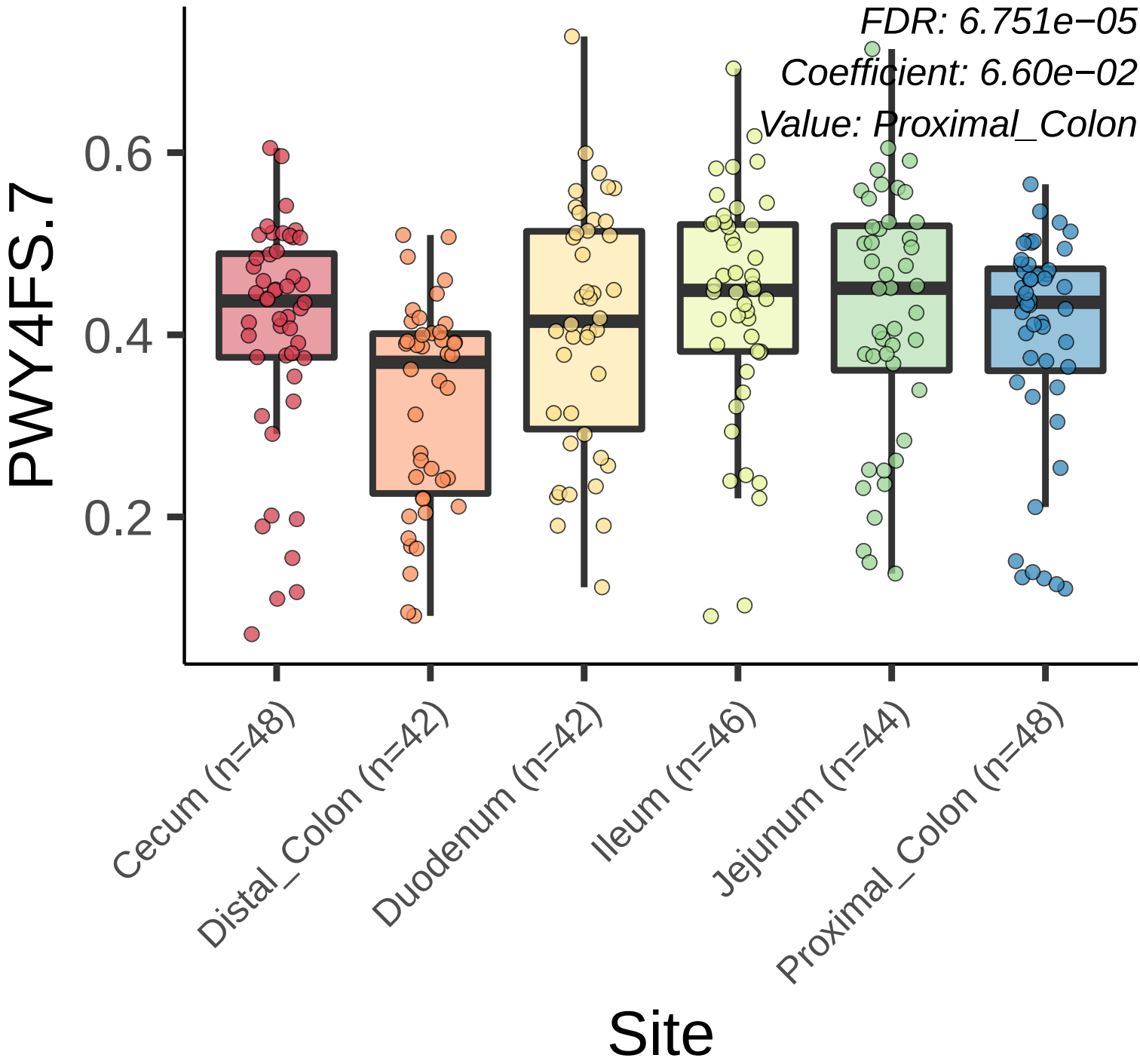

FDR: 6.238e−05
Coefficient: 6.31e−02
Value: Proximal_Colon
PWY.6121
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

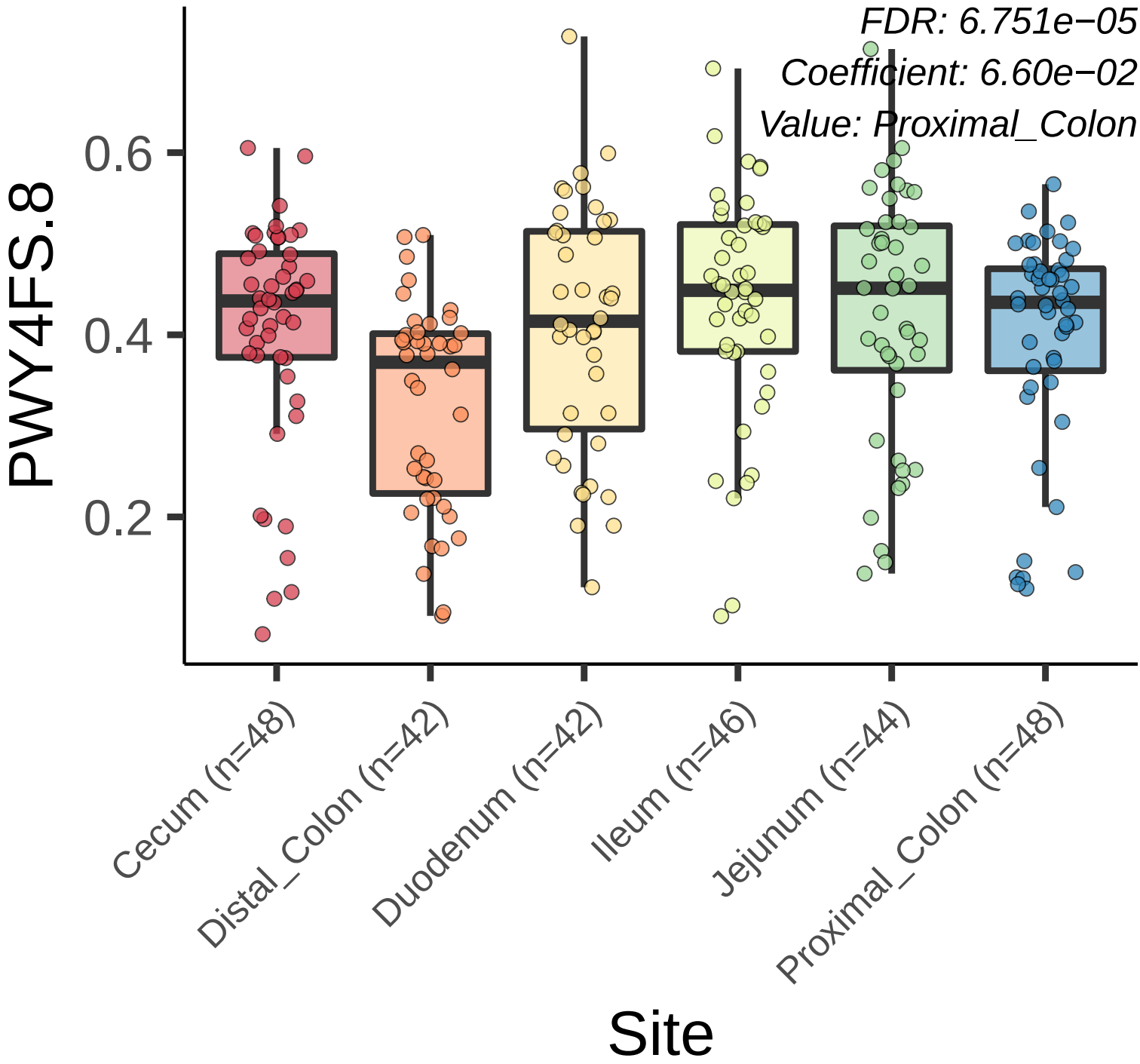

FDR: 6.507e−05
Coefficient: 1.57e−01
Value: Cecum
GLUTORN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

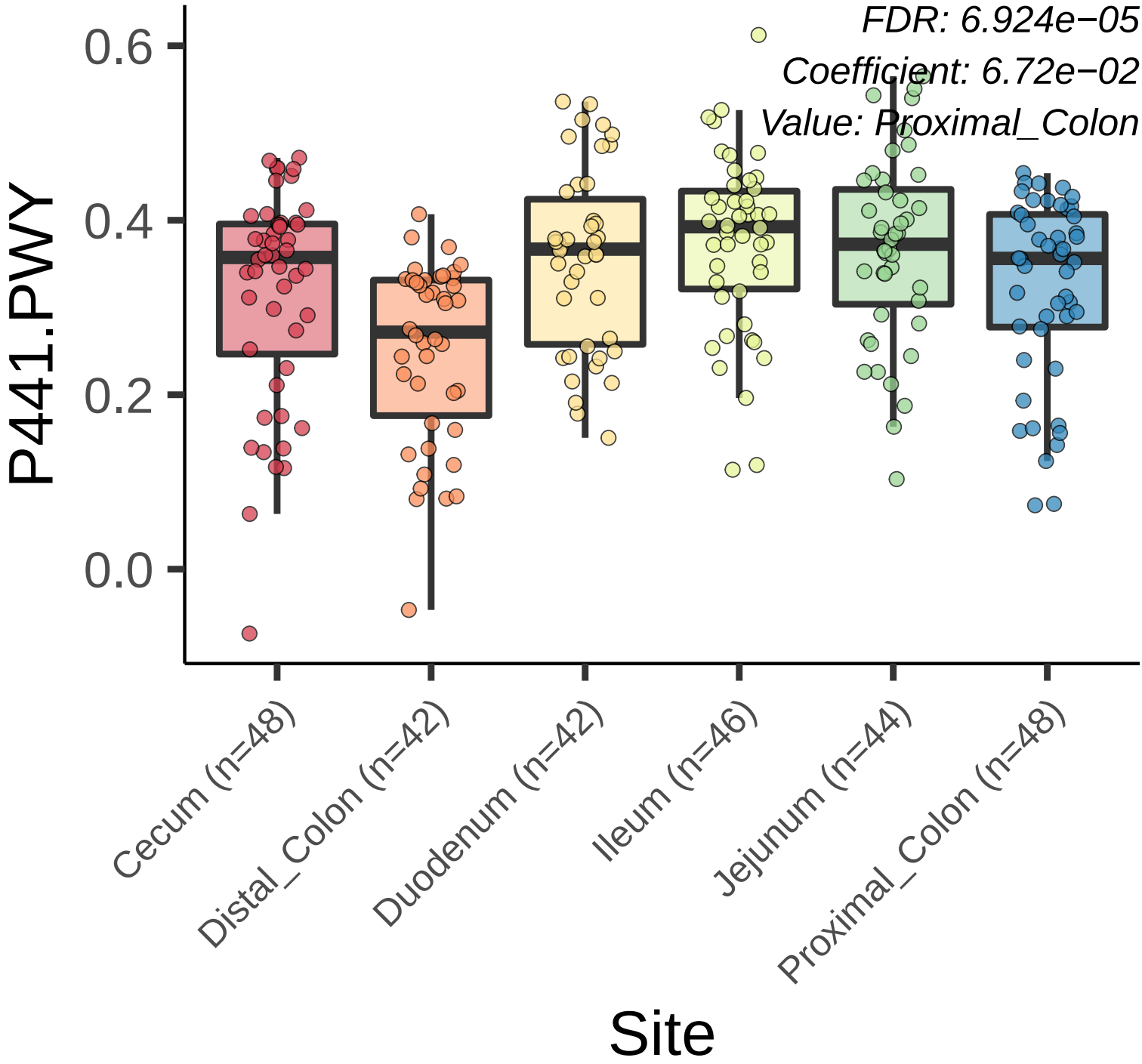

FDR: 6.507e−05
Coefficient: 2.13e−01
Value: Proximal_Colon
PWY0.781
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

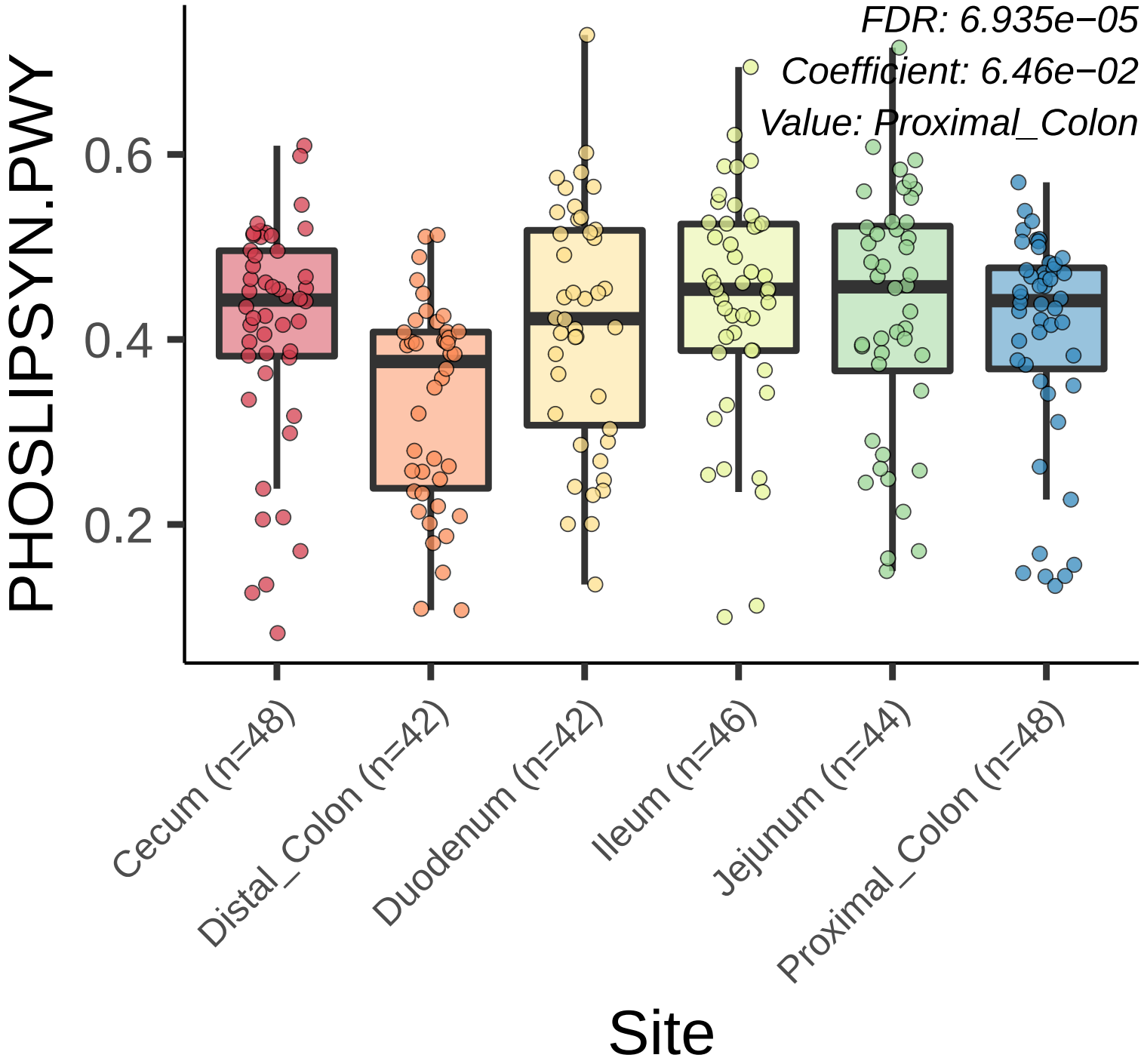

FDR: 6.718e−05
Coefficient: 5.65e−02
Value: Proximal_Colon
ANAEROFRUCAT.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

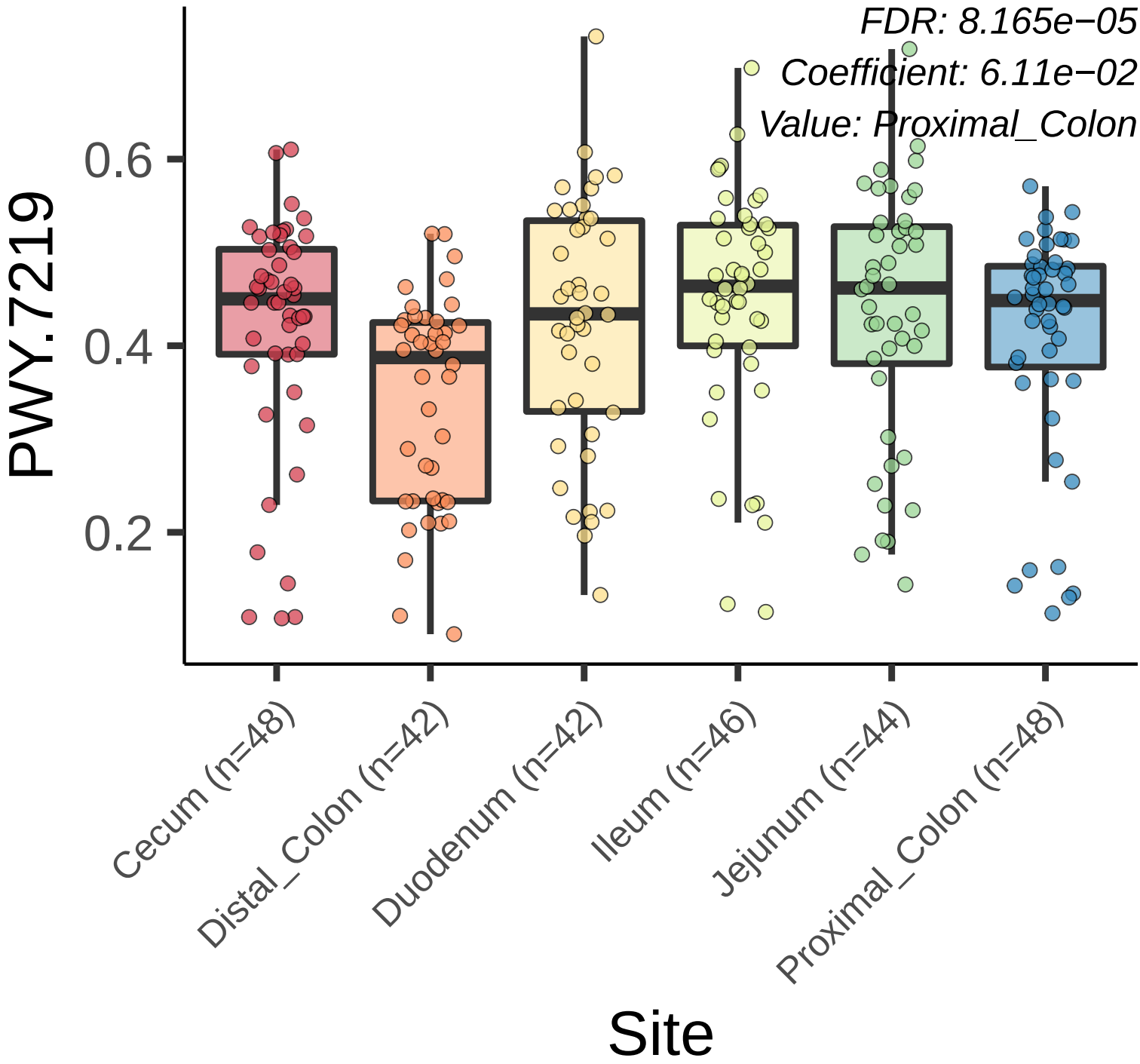

FDR: 6.718e−05
Coefficient: 6.67e−02
Value: Proximal_Colon
PWY.6609
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

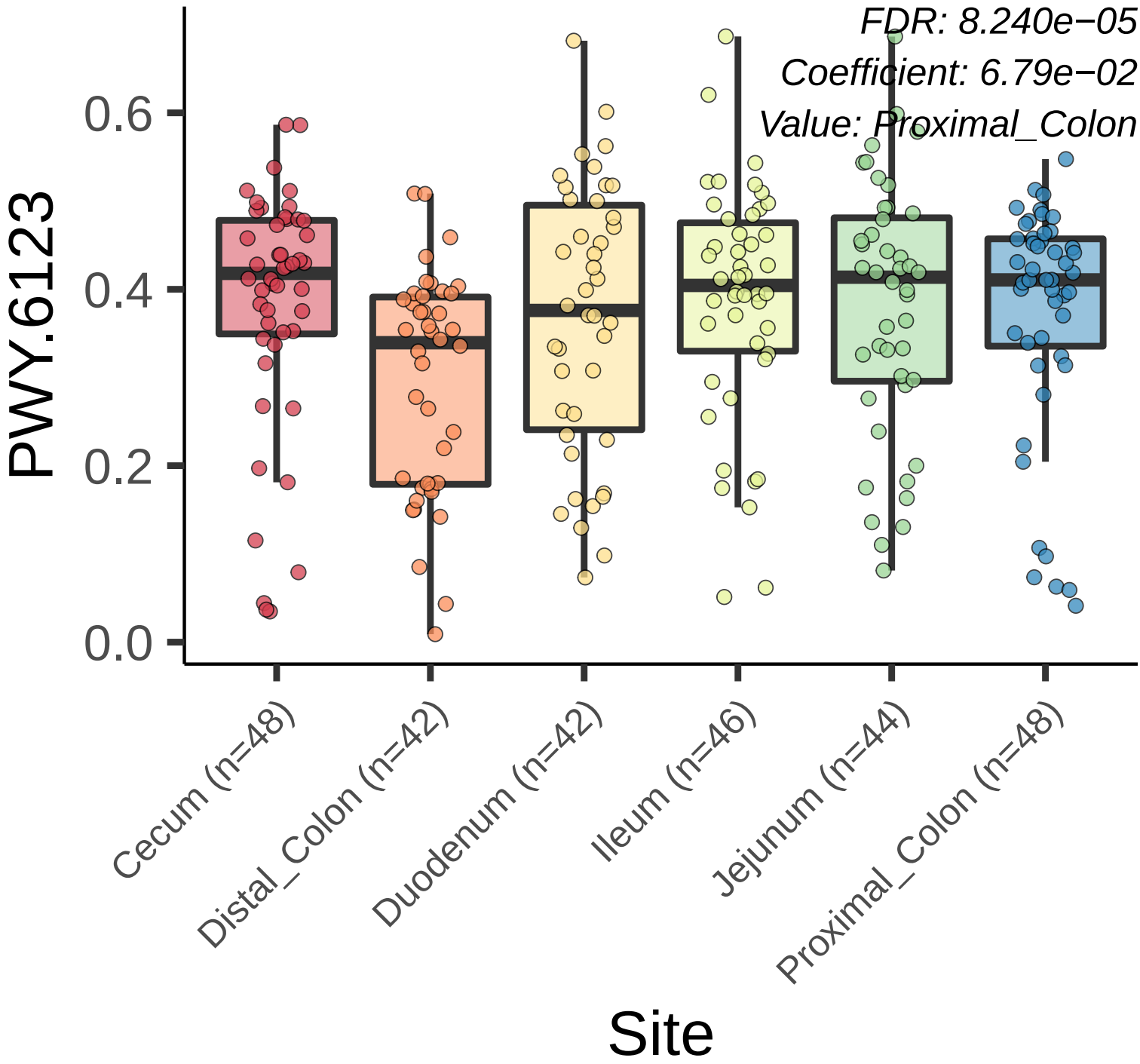

FDR: 6.751e−05
Coefficient: 6.60e−02
Value: Proximal_Colon
PWY4FS.7
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

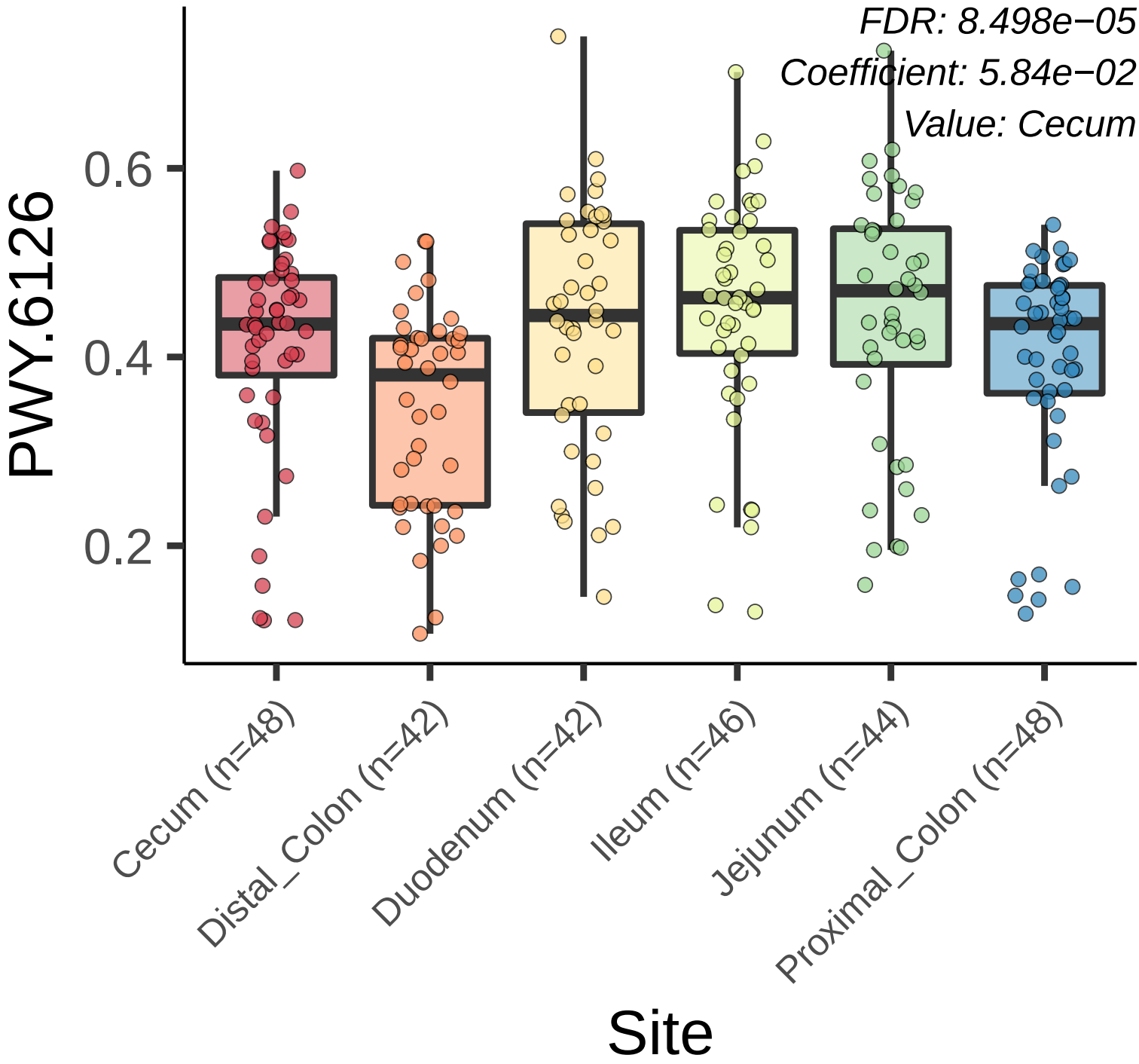

FDR: 6.751e−05
Coefficient: 6.60e−02
Value: Proximal_Colon
PWY4FS.8
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

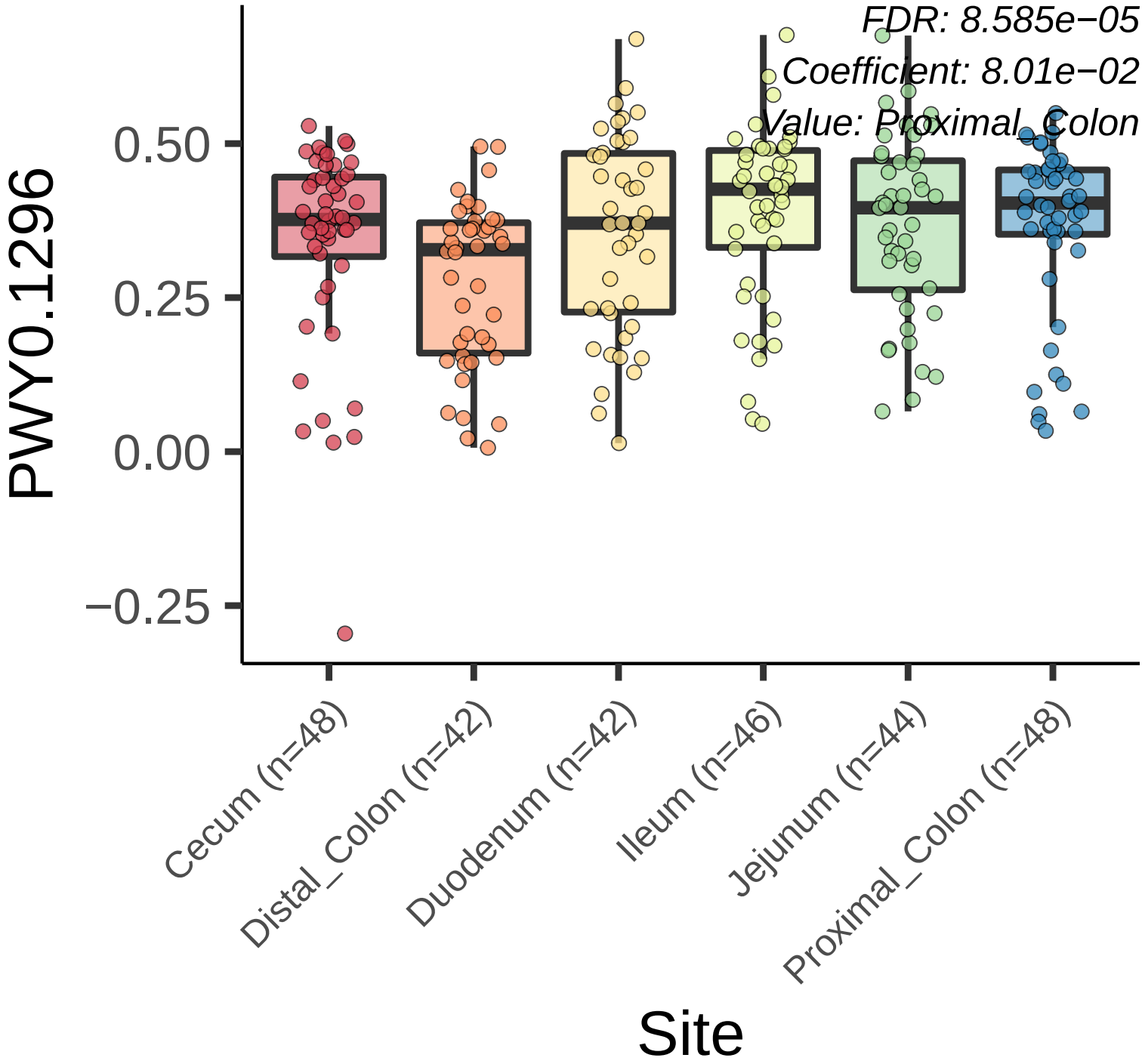

FDR: 6.924e−05
Coefficient: 6.72e−02
Value: Proximal_Colon
P441.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

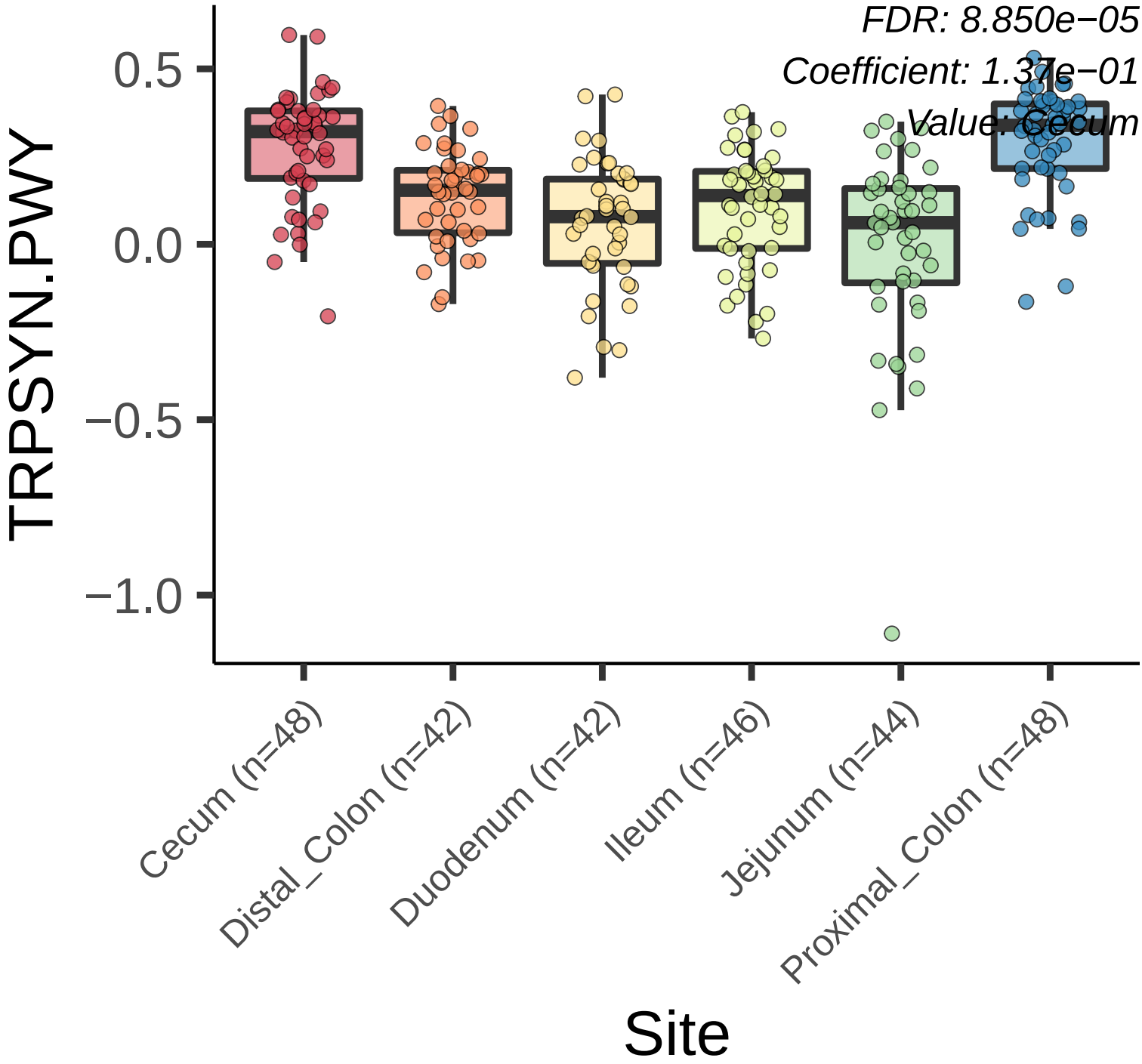

FDR: 6.935e−05
Coefficient: 6.46e−02
Value: Proximal_Colon
PHOSLIPSYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

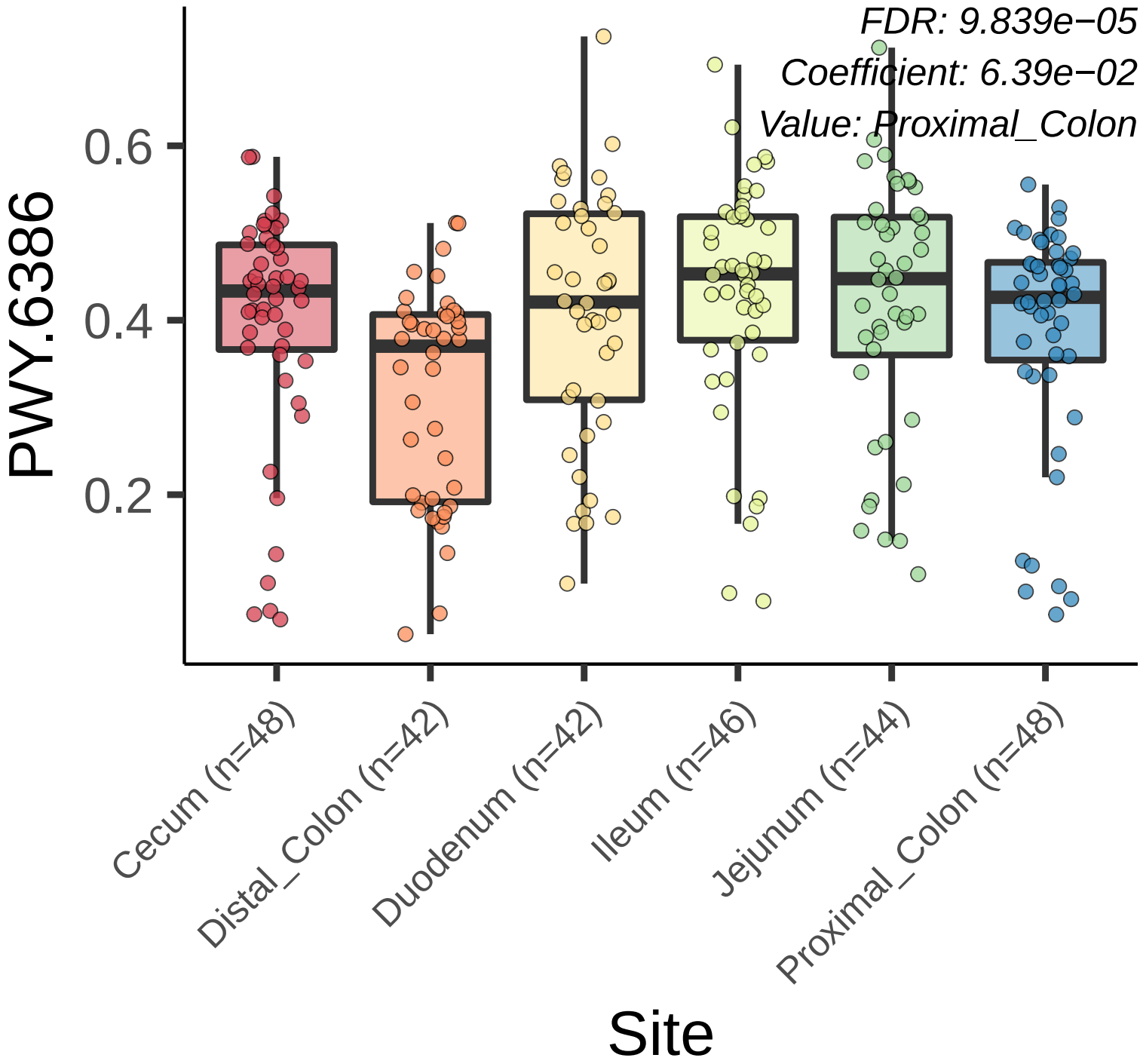

FDR: 8.165e−05
Coefficient: 6.11e−02
Value: Proximal_Colon
PWY.7219
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

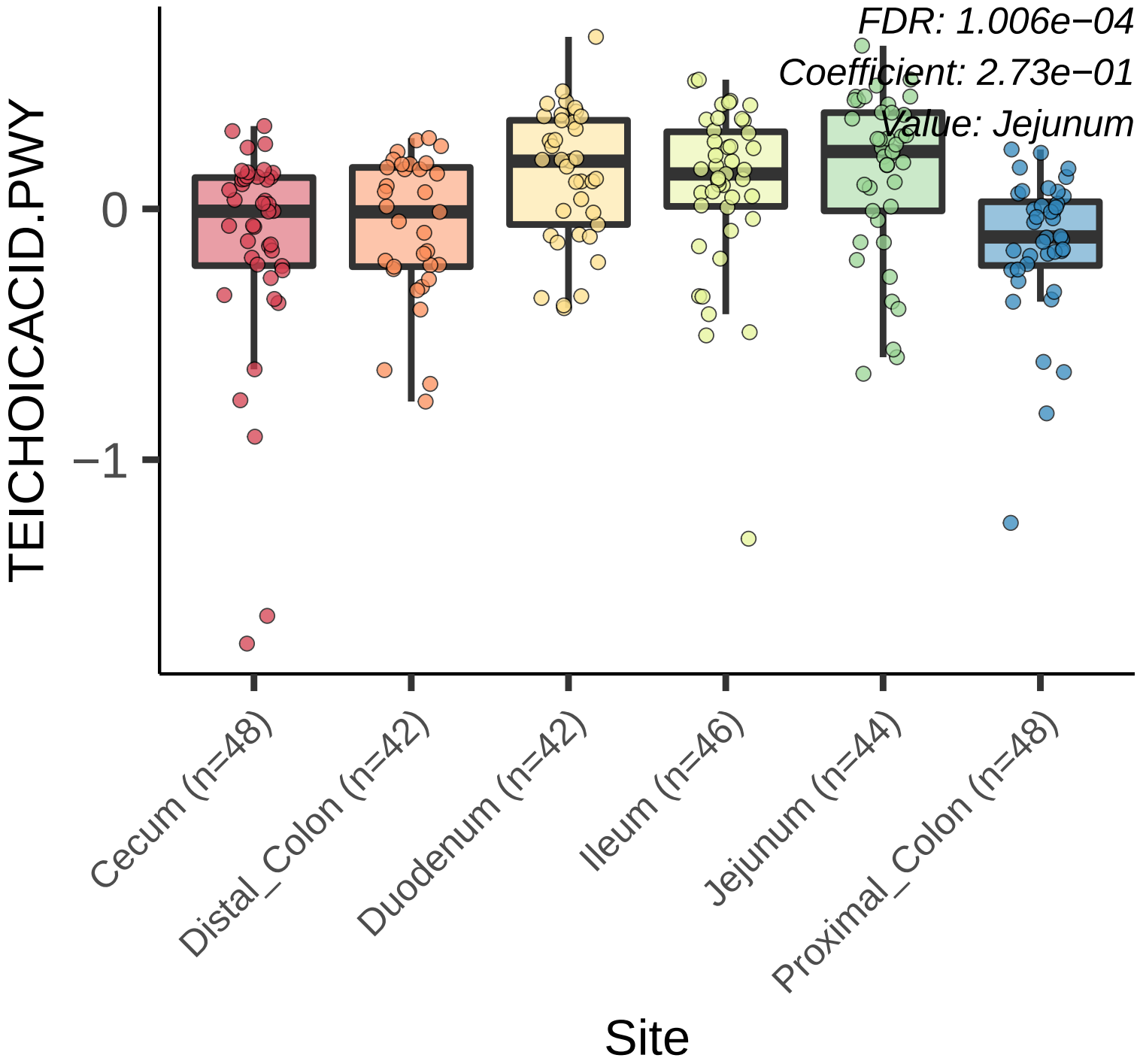

FDR: 8.240e−05
Coefficient: 6.79e−02
Value: Proximal_Colon
PWY.6123
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

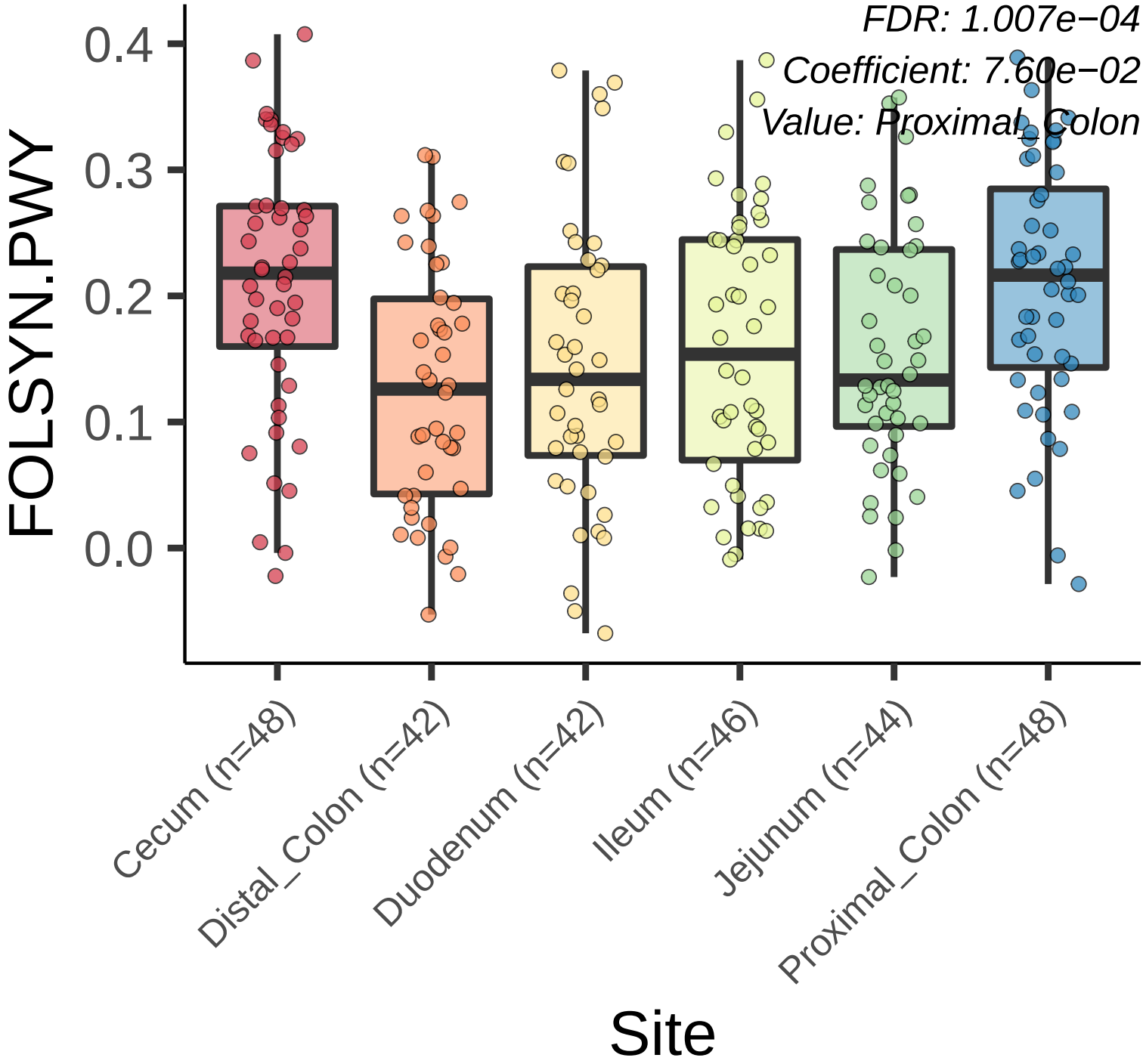

FDR: 8.498e−05
Coefficient: 5.84e−02
Value: Cecum
PWY.6126
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

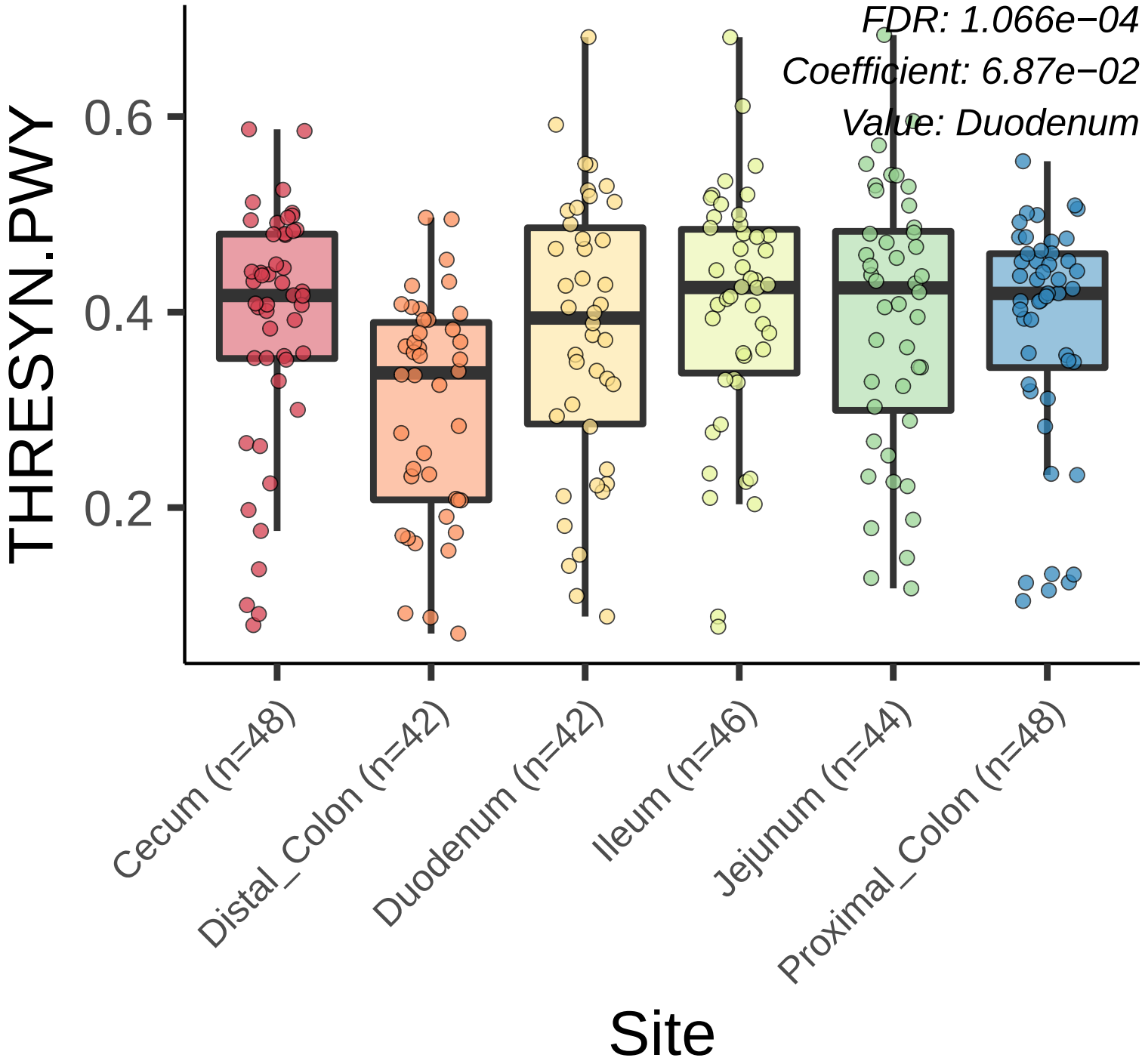

FDR: 8.585e−05
Coefficient: 8.01e−02
Value: Proximal_Colon
PWY0.1296
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

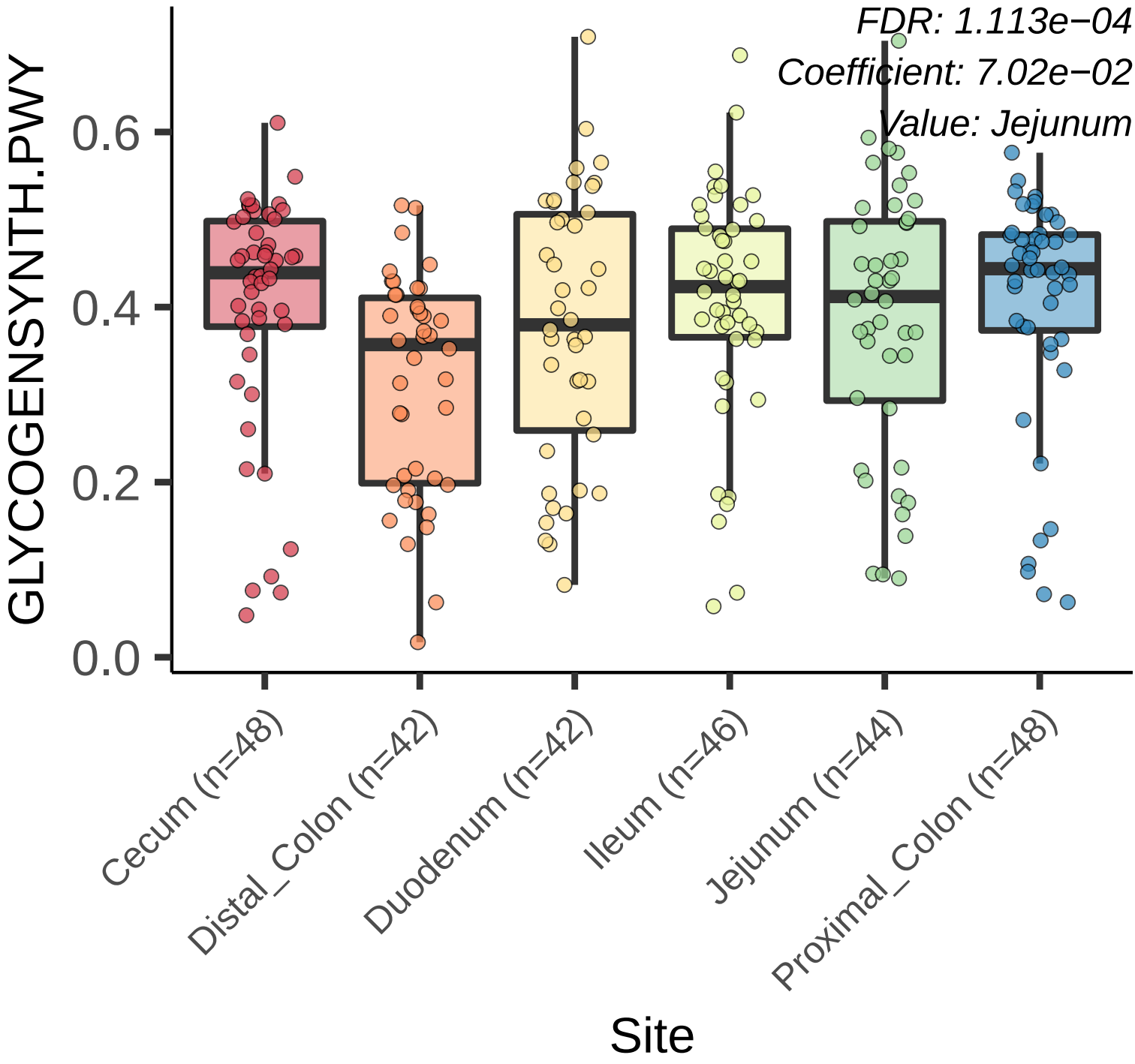

FDR: 8.850e−05
Coefficient: 1.37e−01
Value: Cecum
TRPSYN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

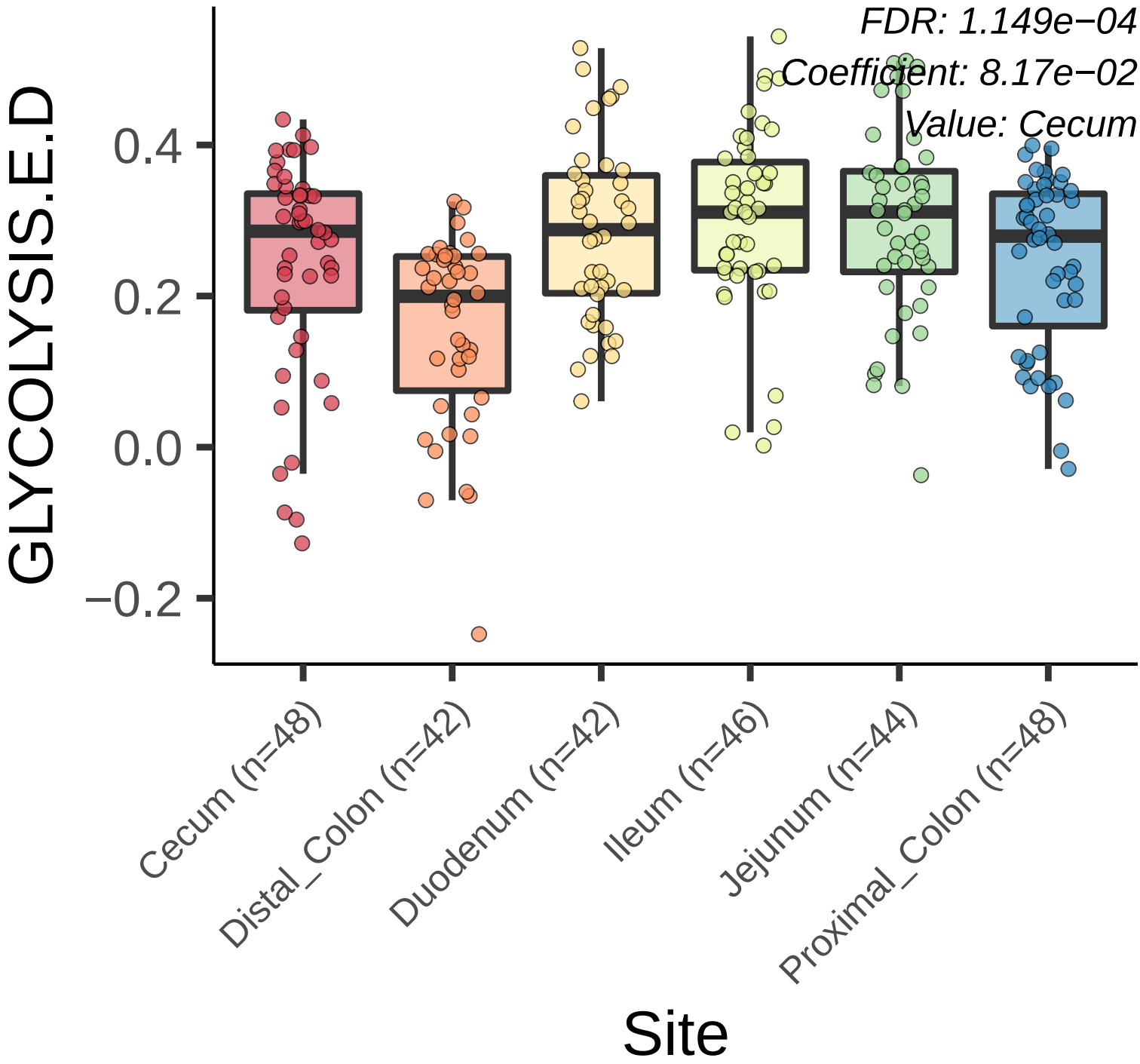

FDR: 9.839e−05
Coefficient: 6.39e−02
Value: Proximal_Colon
PWY.6386
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

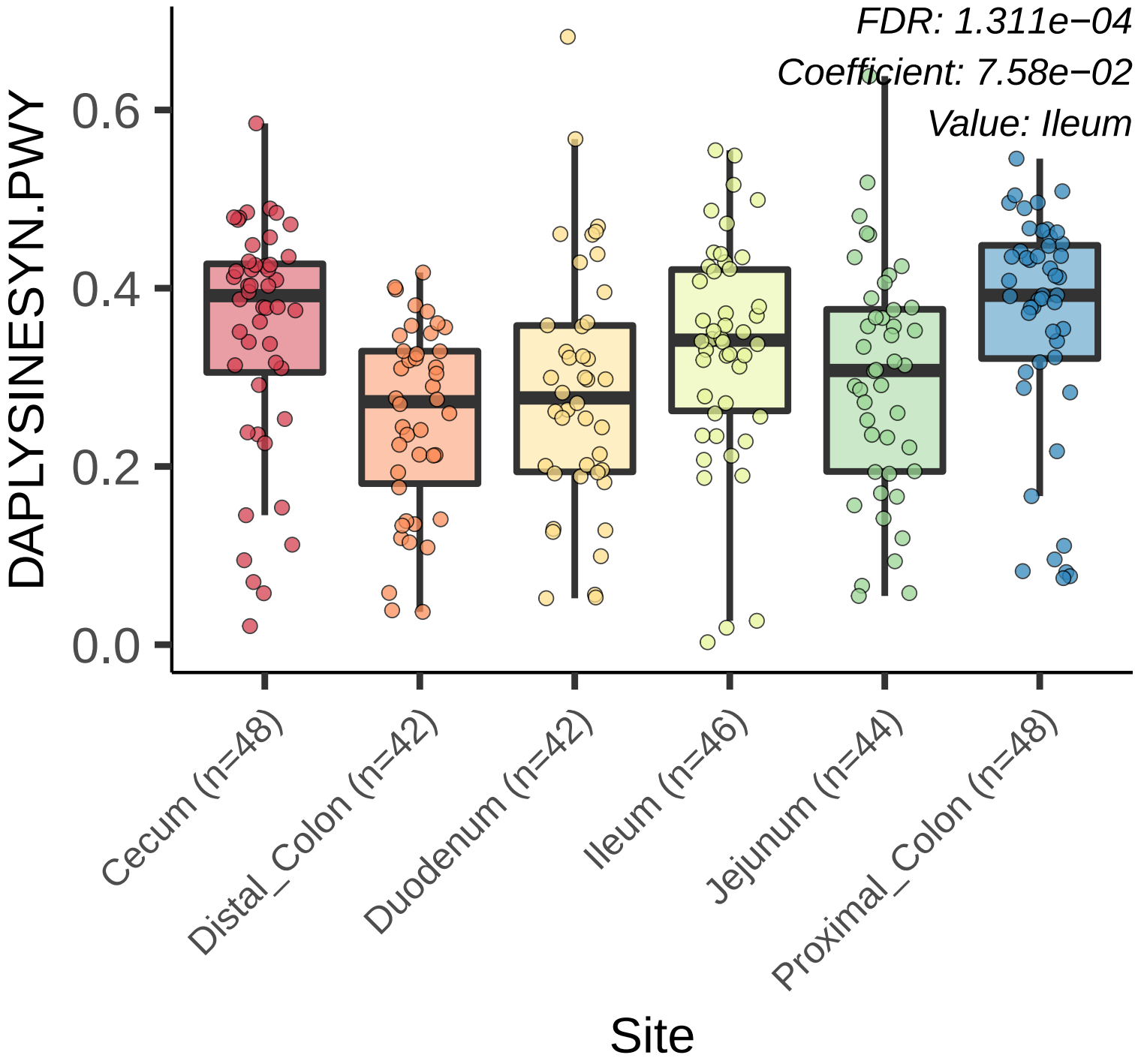

FDR: 1.006e−04
Coefficient: 2.73e−01
Value: Jejunum
TEICHOICACID.PWY
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

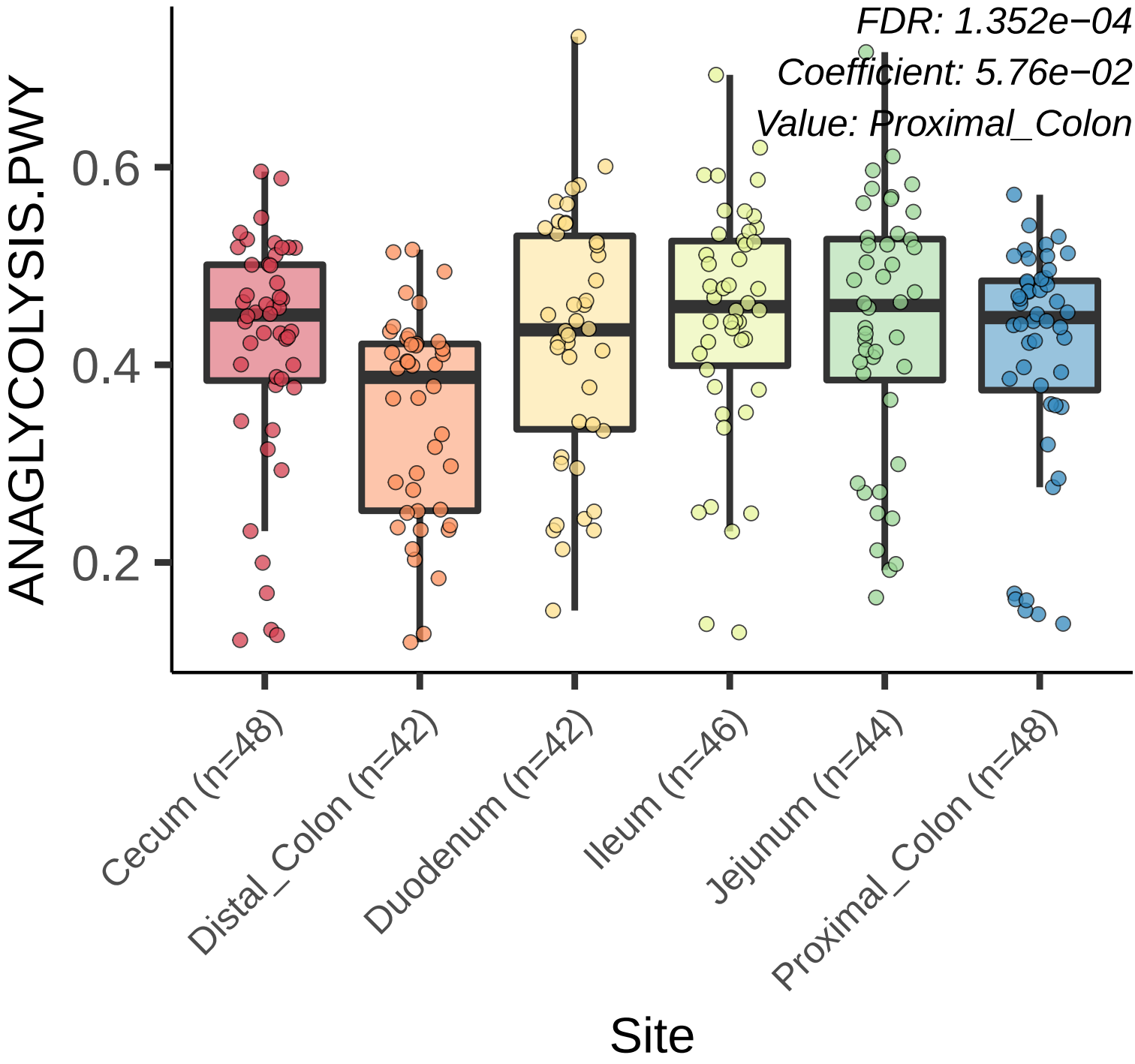

FDR: 1.007e−04
Coefficient: 7.60e−02
Value: Proximal_Colon
FOLSYN.PWY
0.4
0.3
0.2
0.1
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

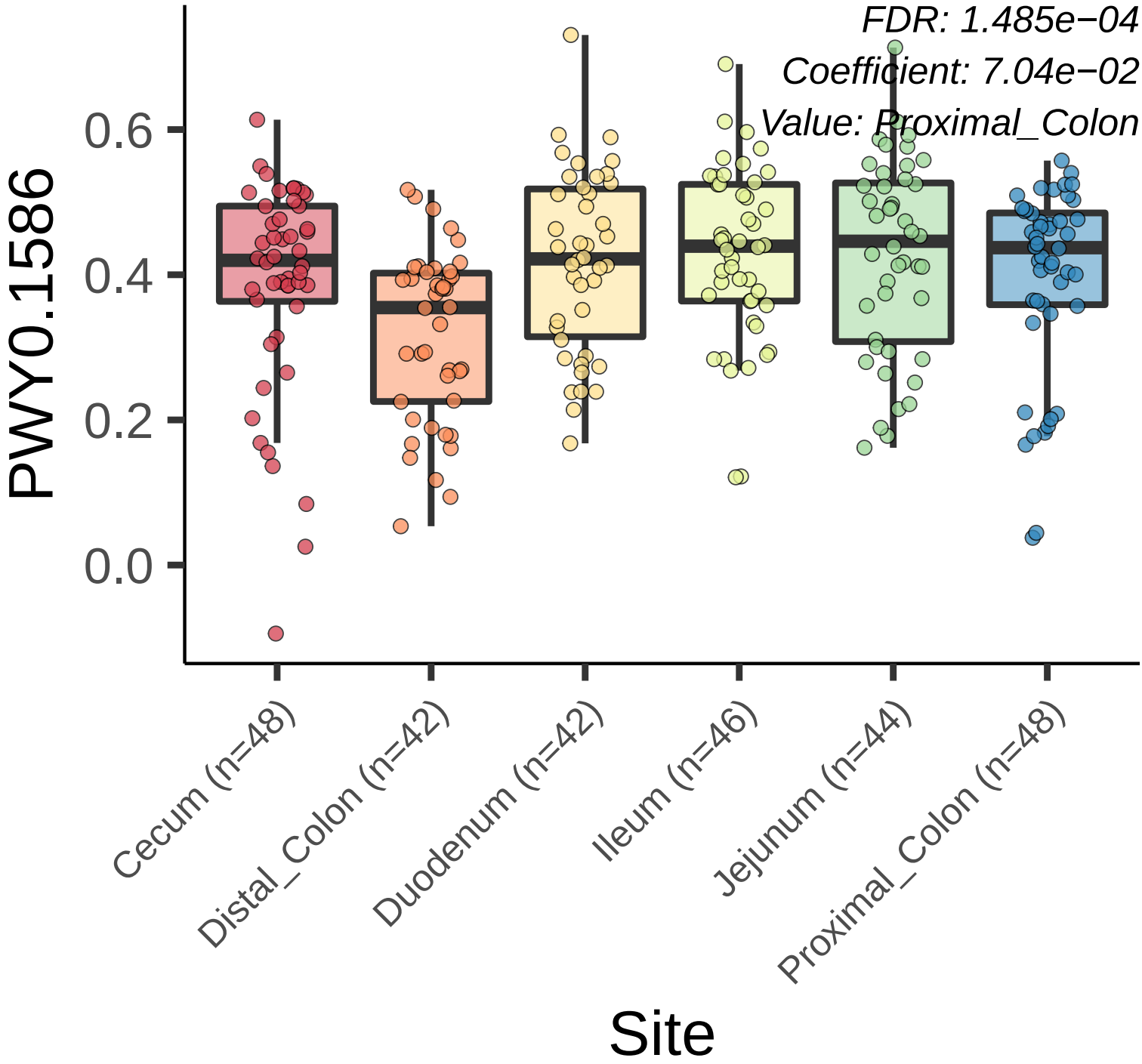

FDR: 1.066e−04
Coefficient: 6.87e−02
Value: Duodenum
THRESYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

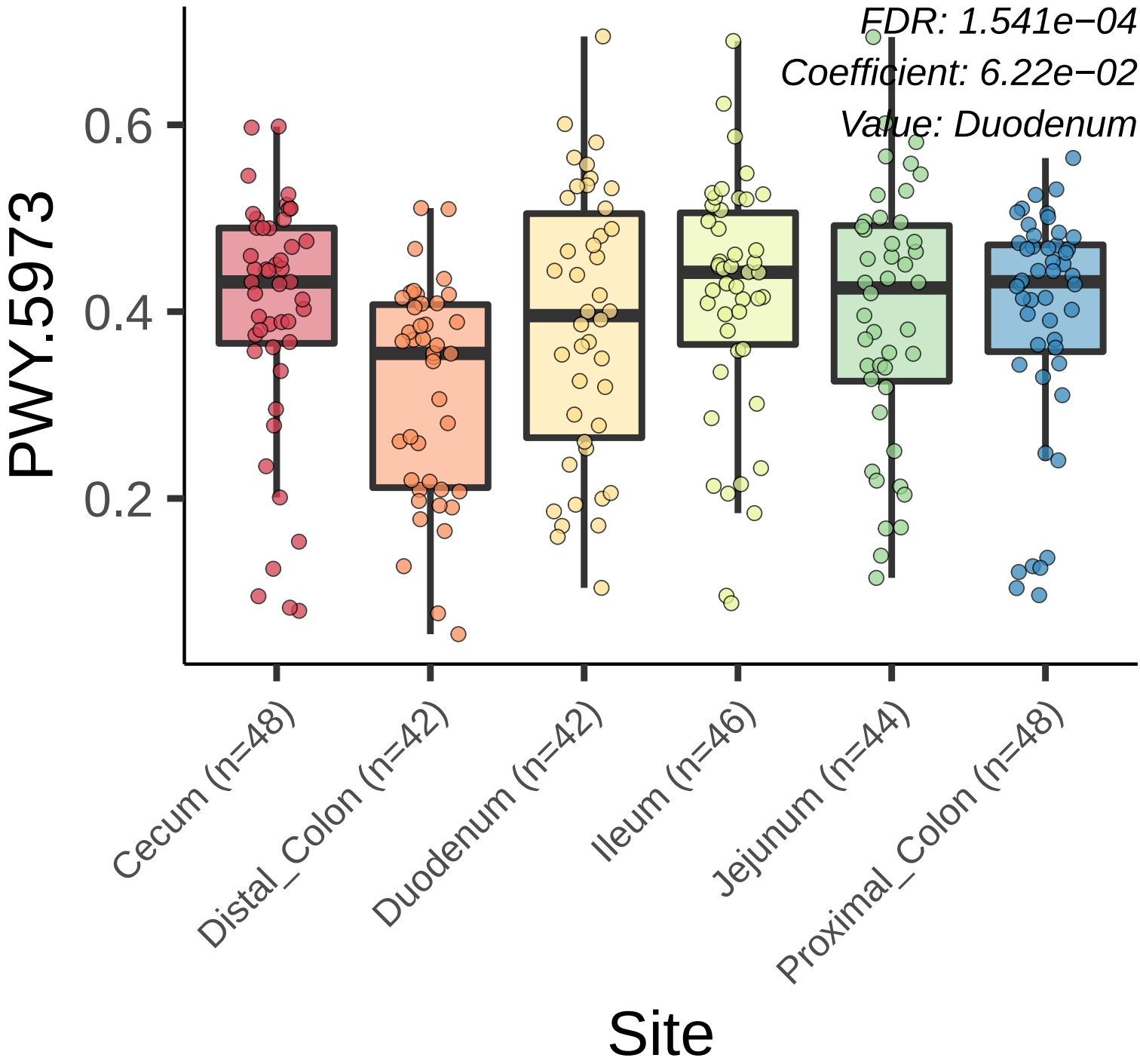

FDR: 1.113e−04
Coefficient: 7.02e−02
Value: Jejunum
GLYCOGENSYNTH.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

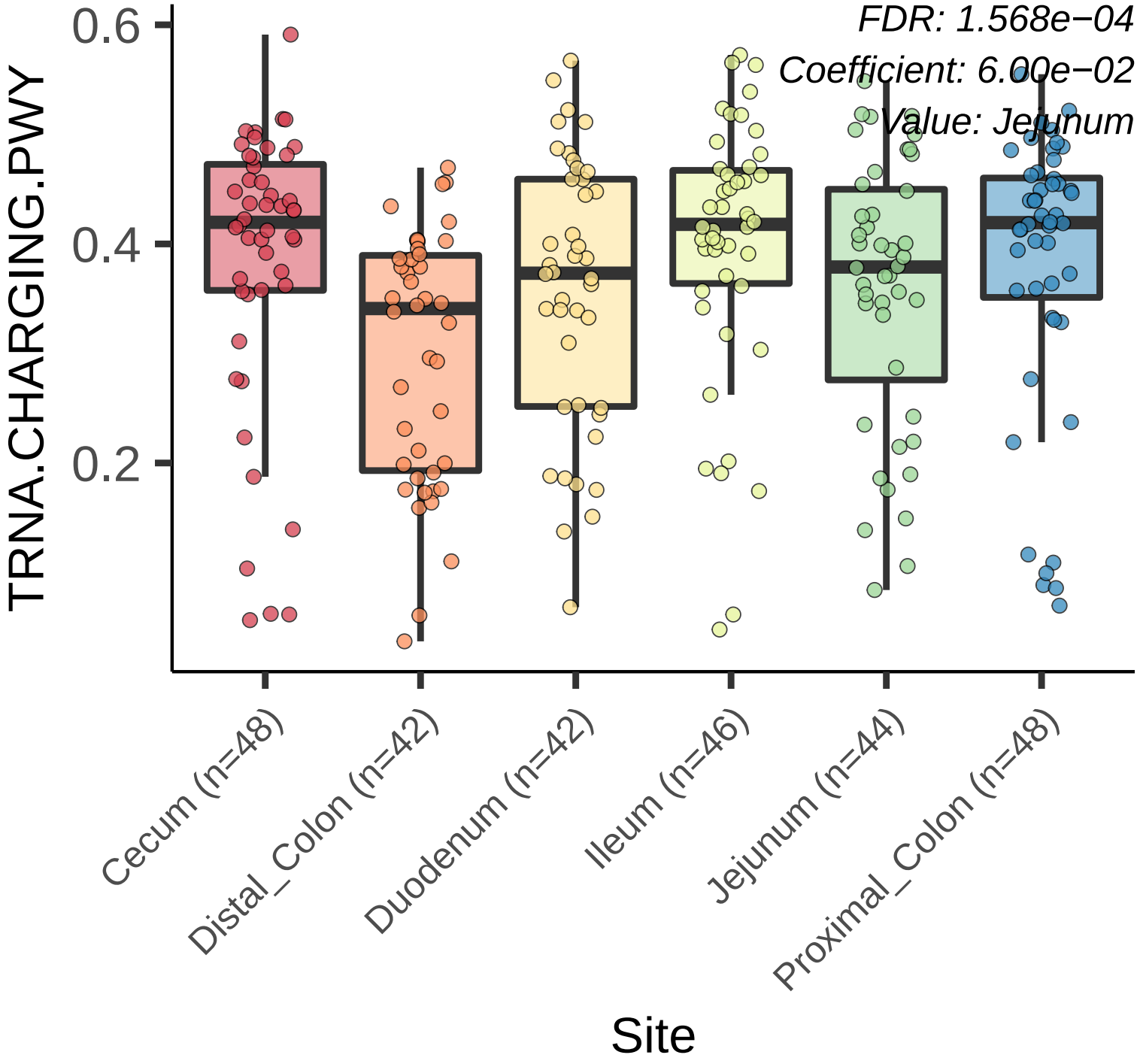

FDR: 1.149e−04
Coefficient: 8.17e−02
Value: Cecum
GLYCOLYSIS.E.D
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

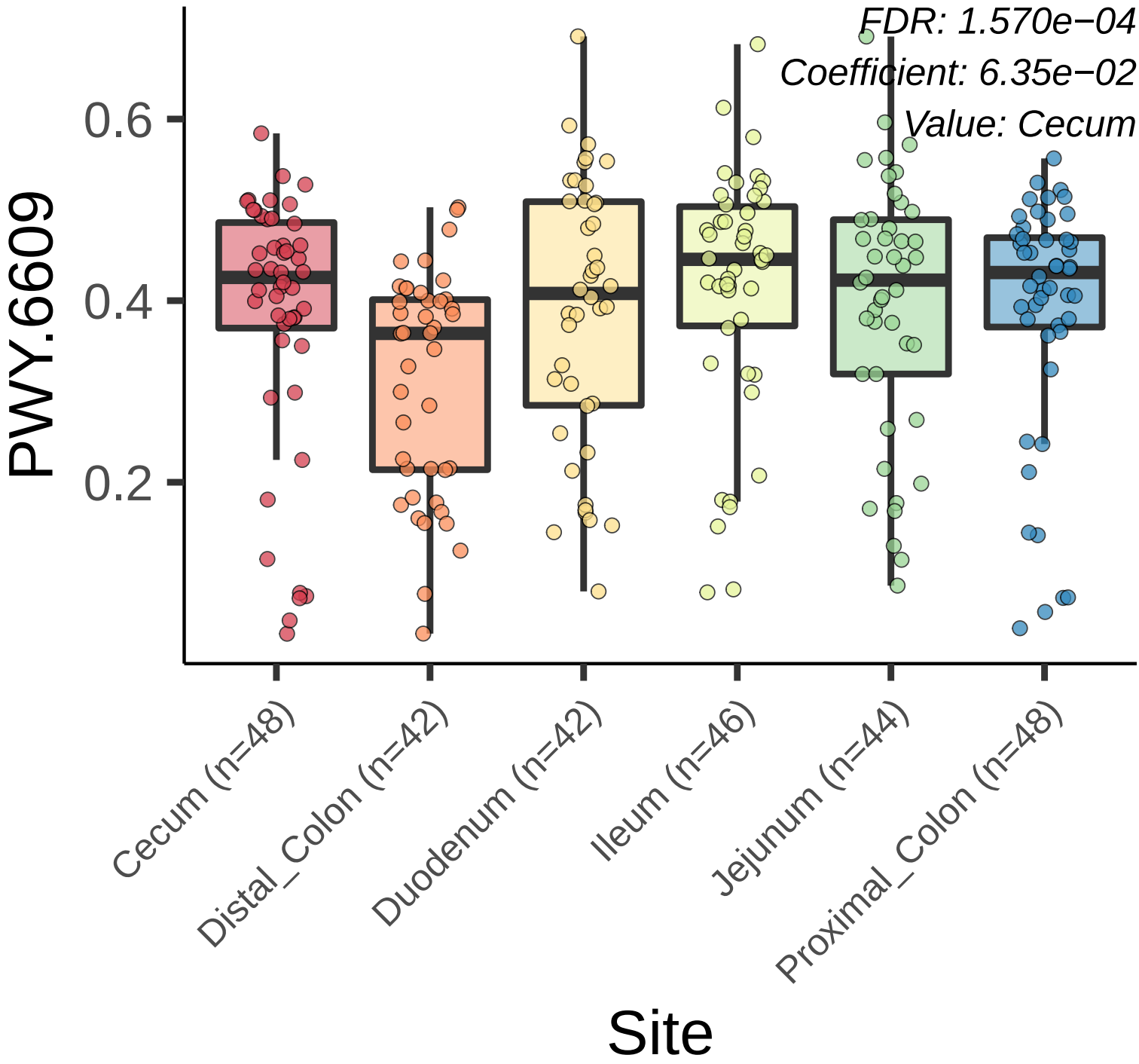

FDR: 1.311e−04
Coefficient: 7.58e−02
Value: Ileum
DAPLYSINESYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

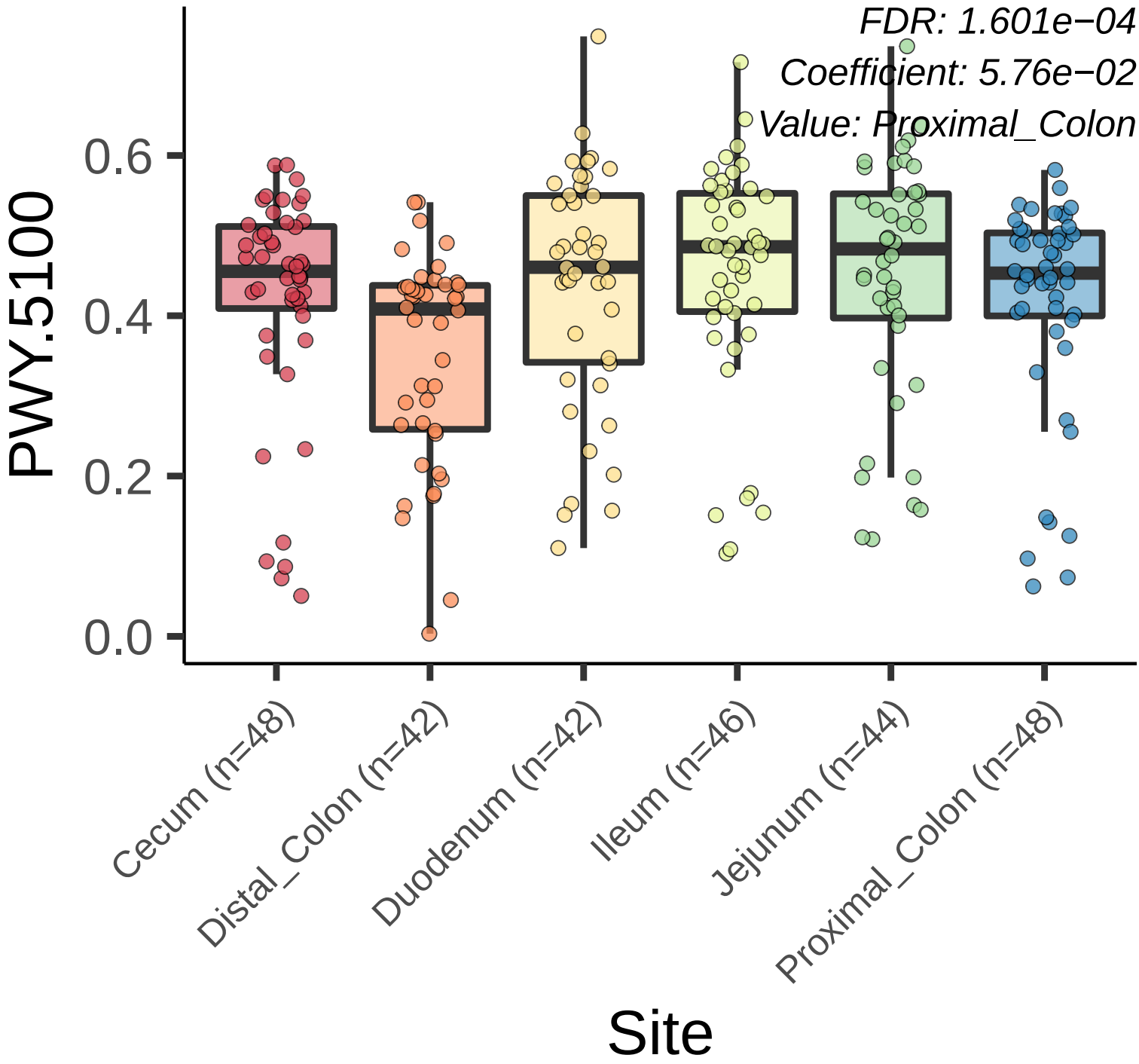

FDR: 1.352e−04
Coefficient: 5.76e−02
Value: Proximal_Colon
ANAGLYCOLYSIS.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

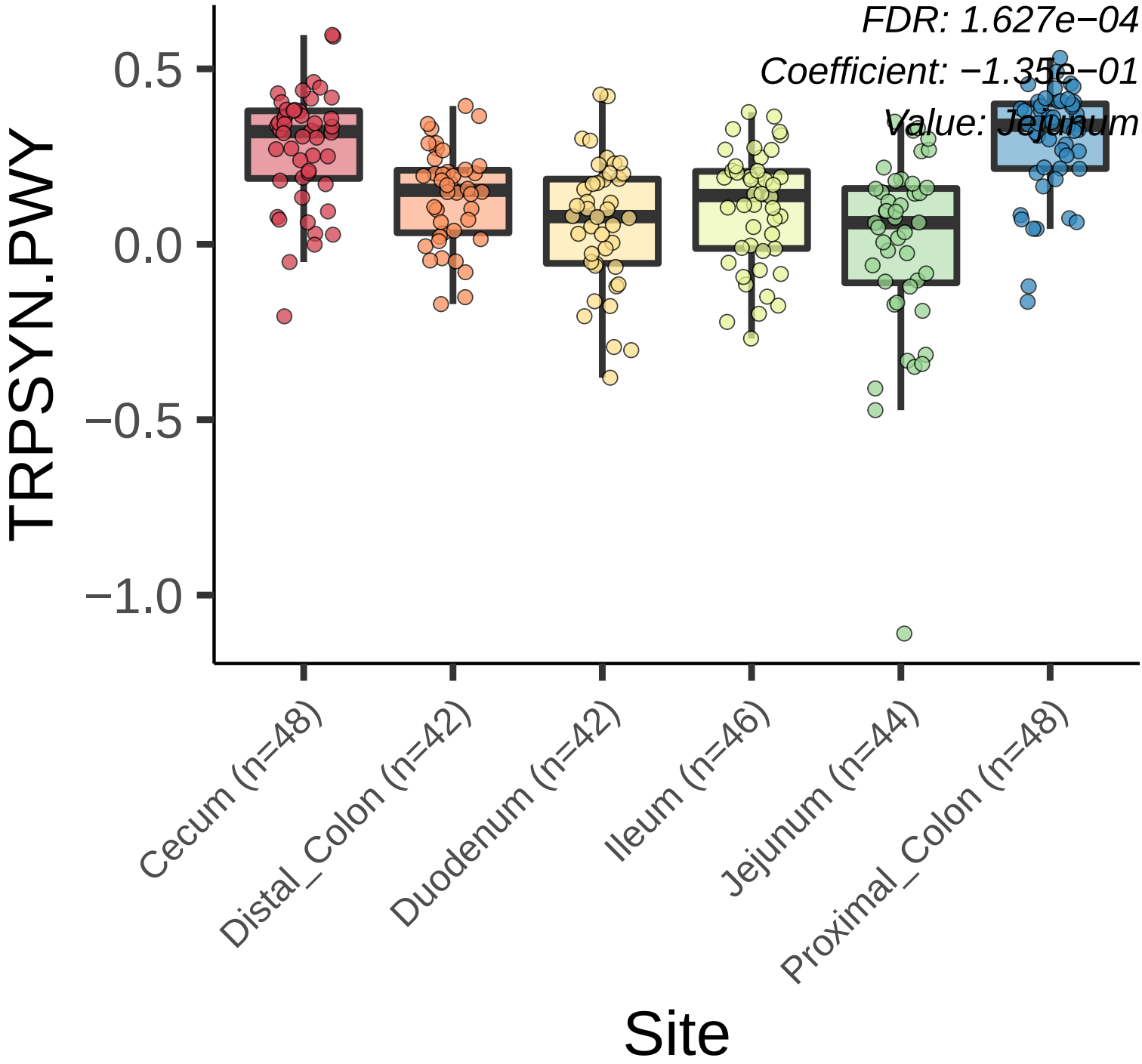

FDR: 1.485e−04
Coefficient: 7.04e−02
Value: Proximal_Colon
PWY0.1586
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

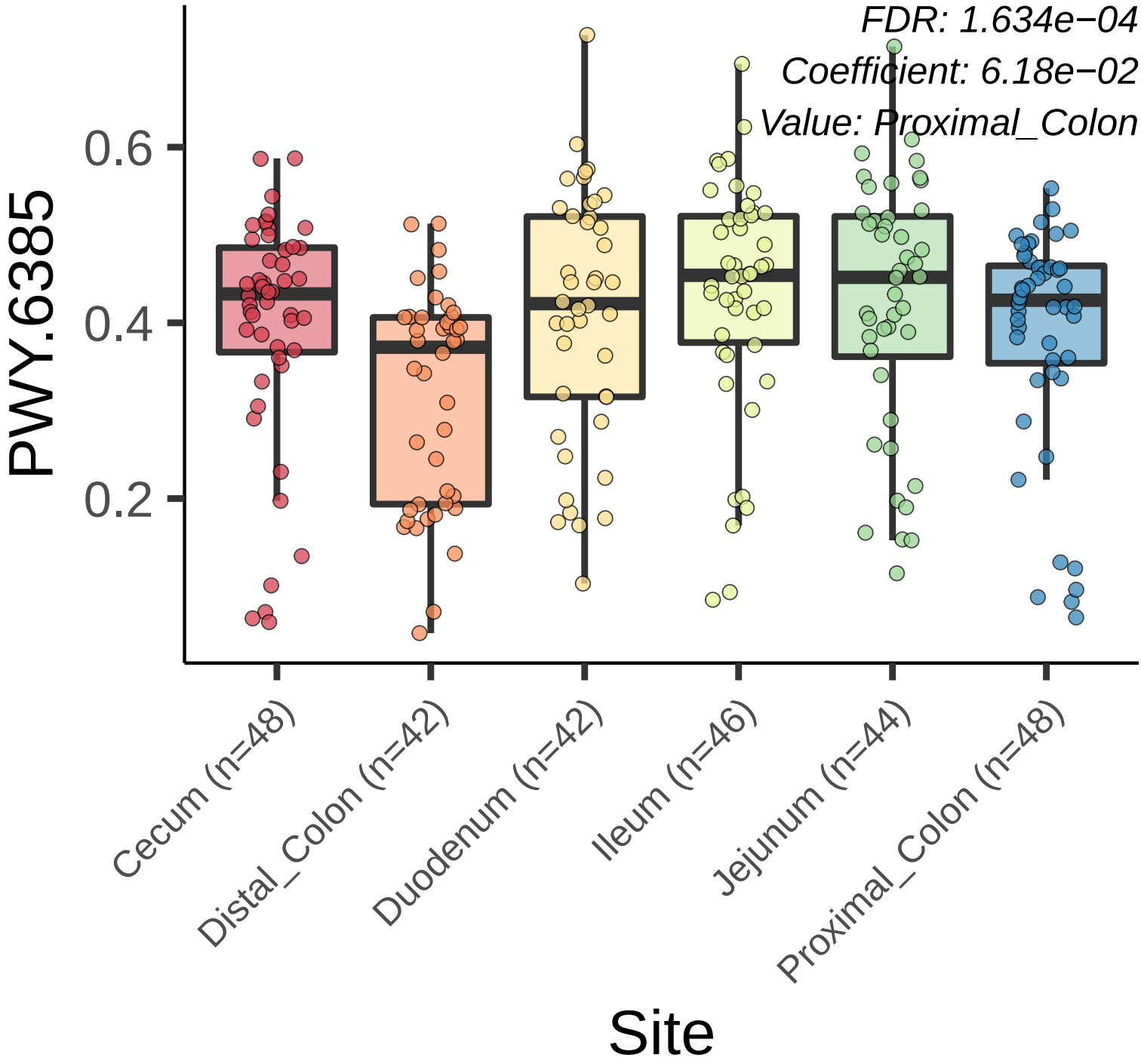

FDR: 1.541e−04
Coefficient: 6.22e−02
Value: Duodenum
PWY.5973
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

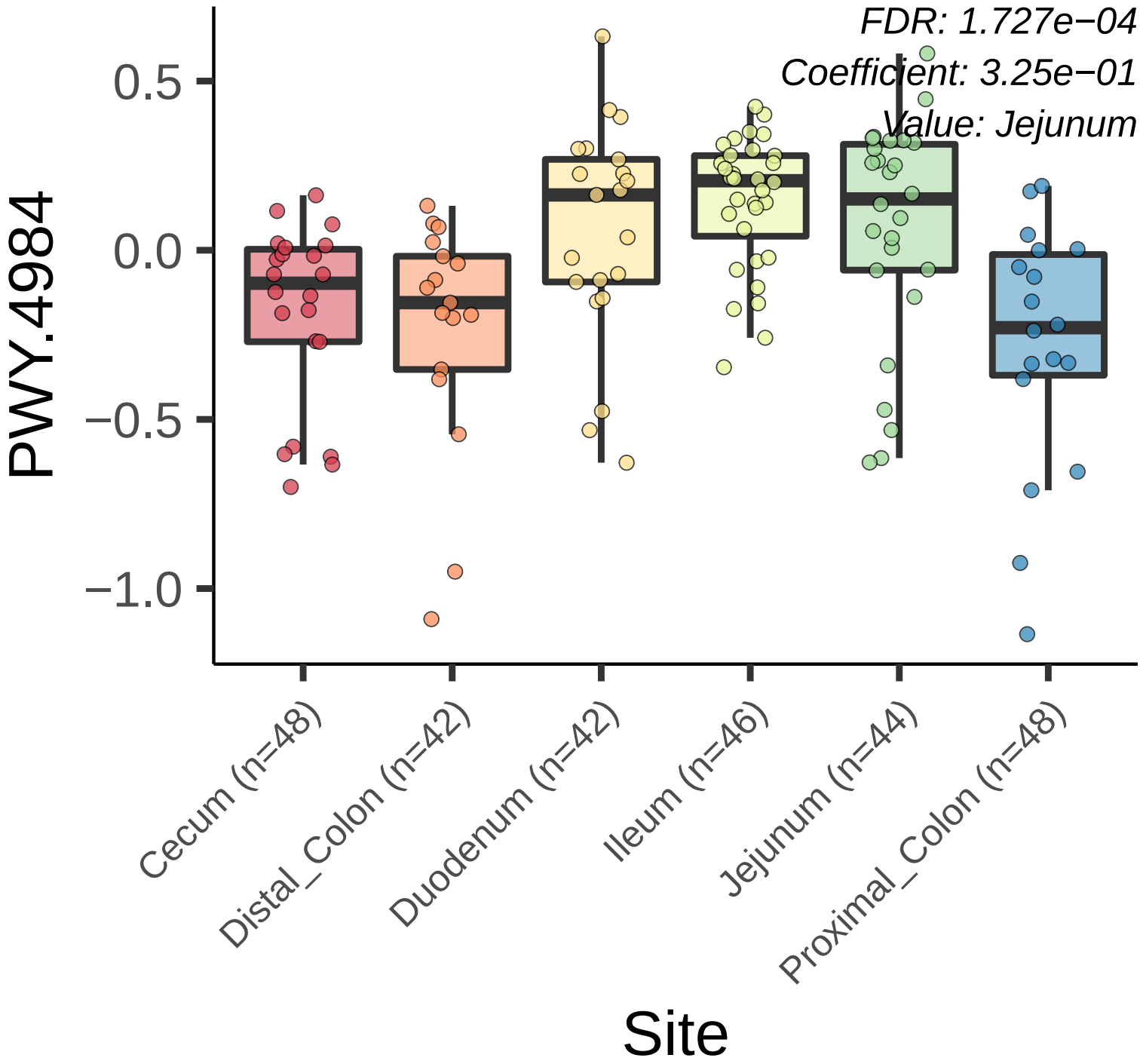

FDR: 1.568e−04
Coefficient: 6.00e−02
Value: Jejunum
TRNA.CHARGING.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

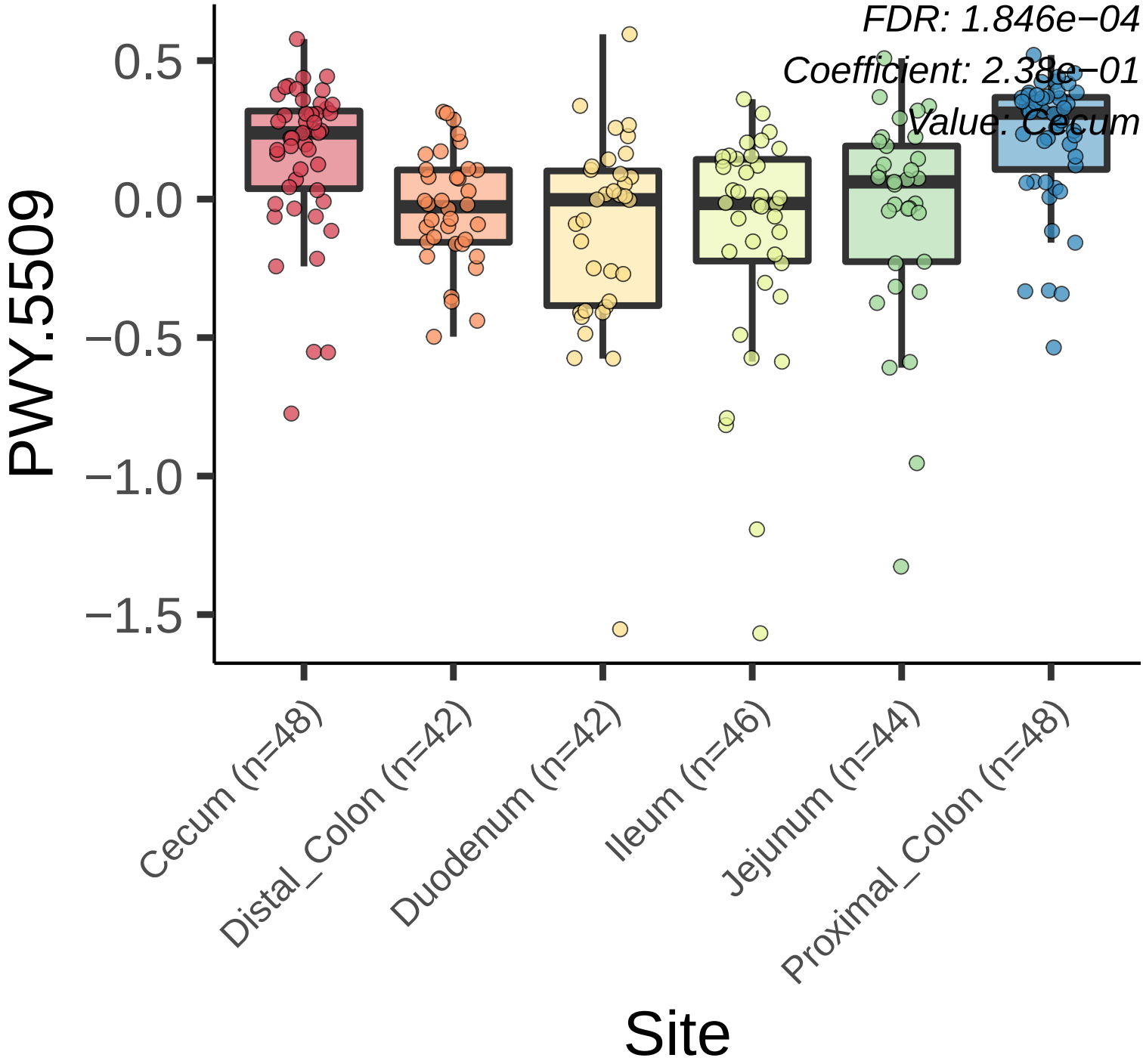

FDR: 1.570e−04
Coefficient: 6.35e−02
Value: Cecum
PWY.6609
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

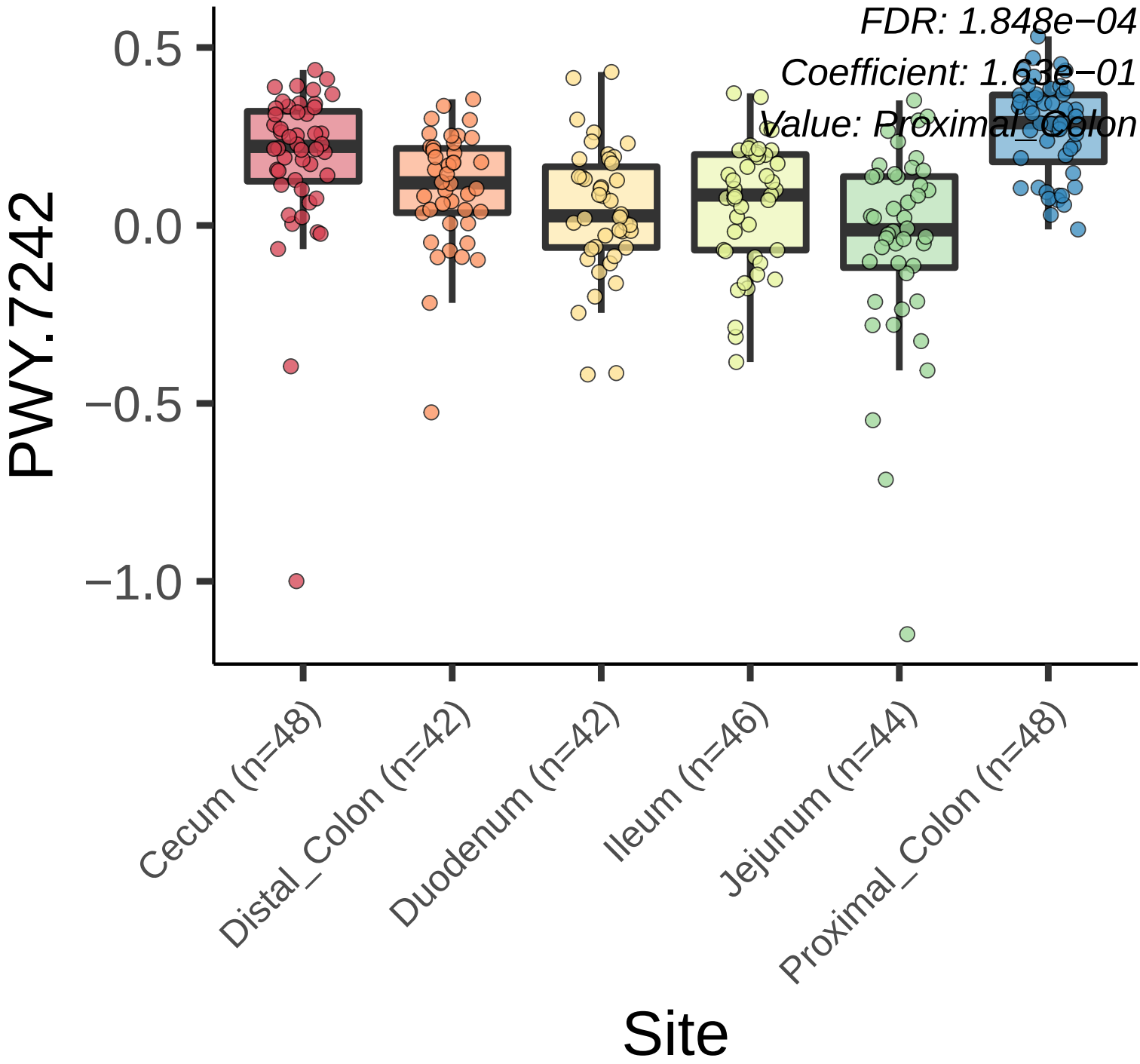

FDR: 1.601e−04
Coefficient: 5.76e−02
Value: Proximal_Colon
PWY.5100
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

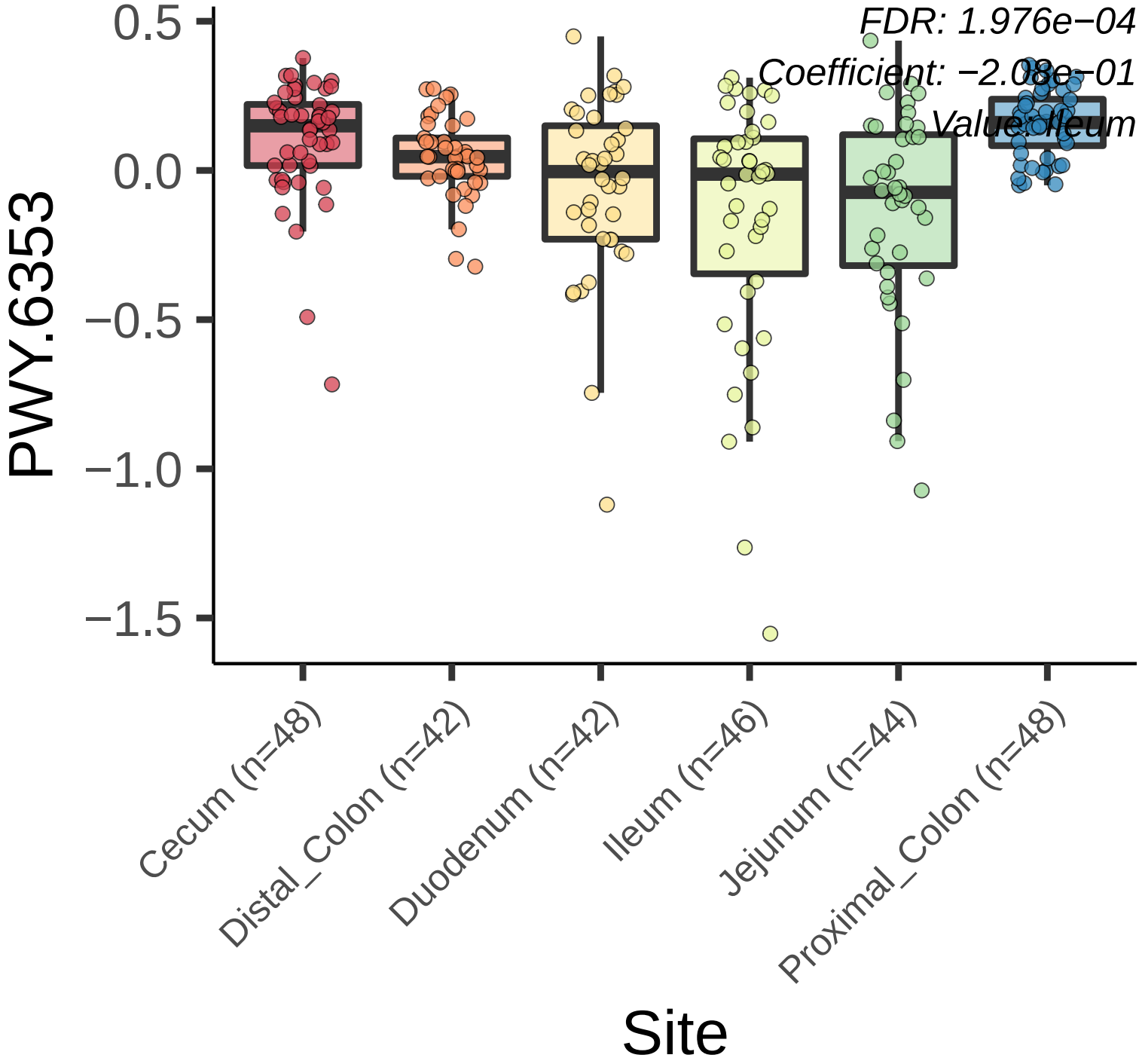

FDR: 1.627e−04
Coefficient: −1.35e−01
Value: Jejunum
TRPSYN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

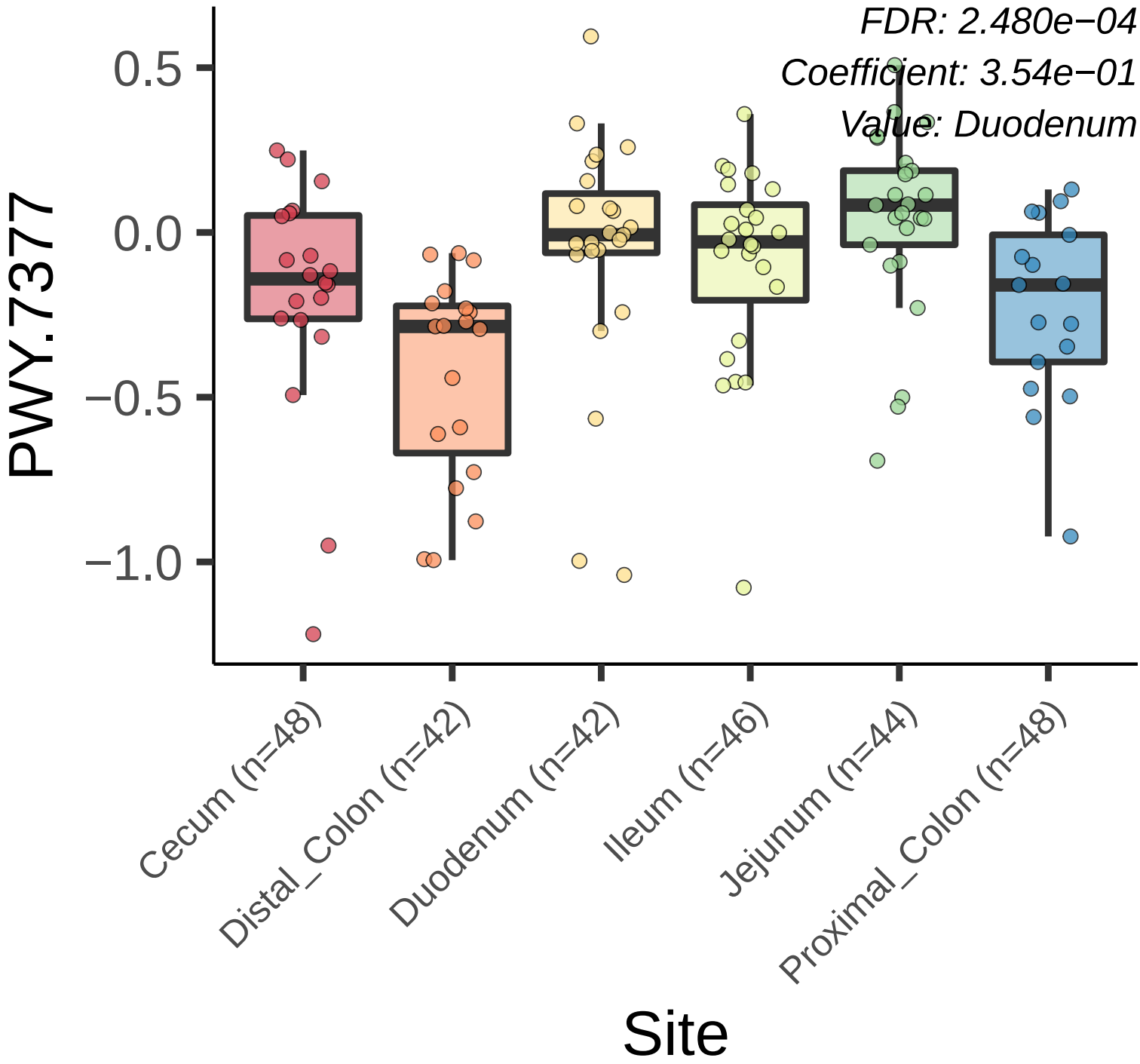

FDR: 1.634e−04
Coefficient: 6.18e−02
Value: Proximal_Colon
PWY.6385
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

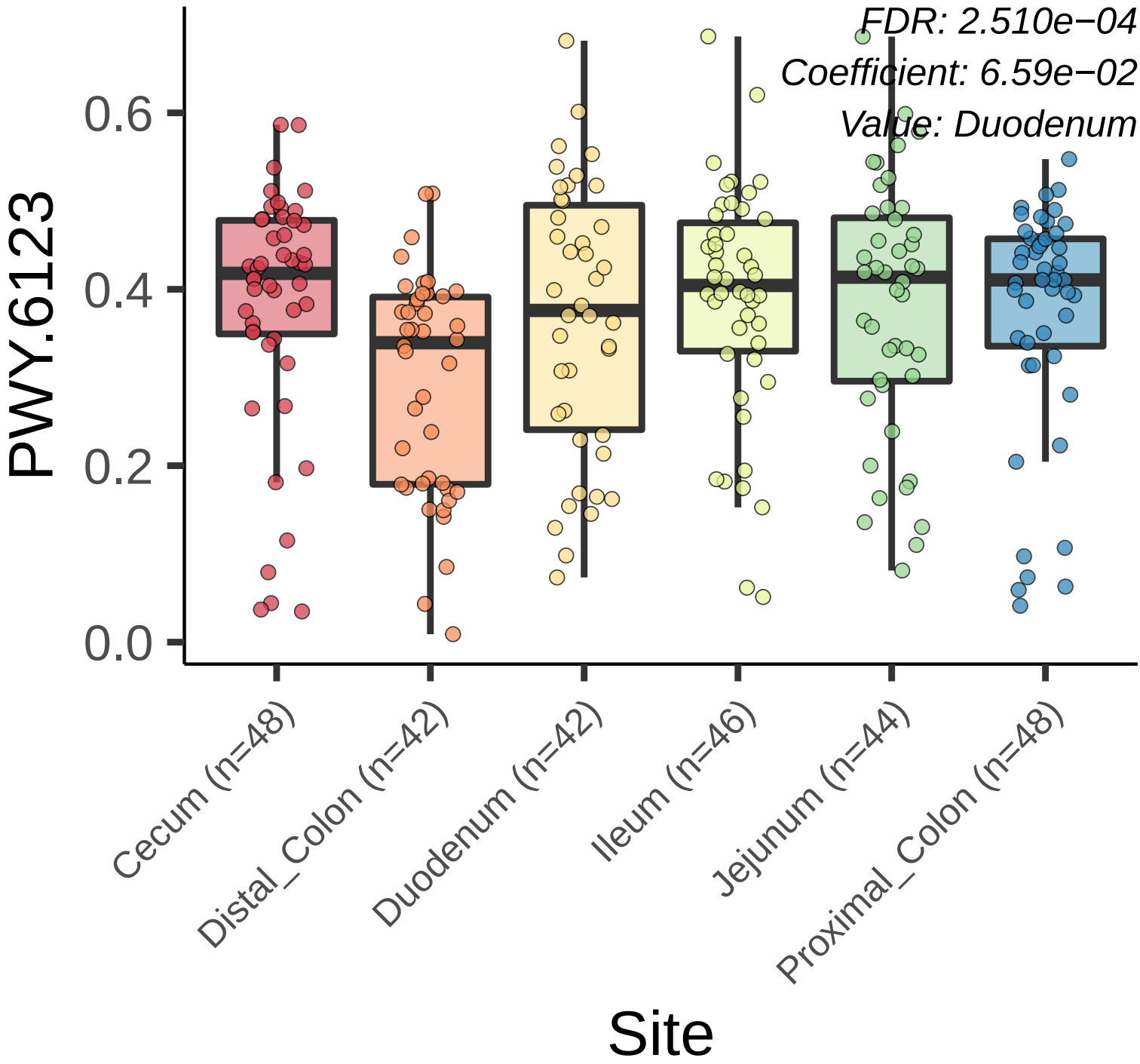

FDR: 1.727e−04
Coefficient: 3.25e−01
Value: Jejunum
PWY.4984
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

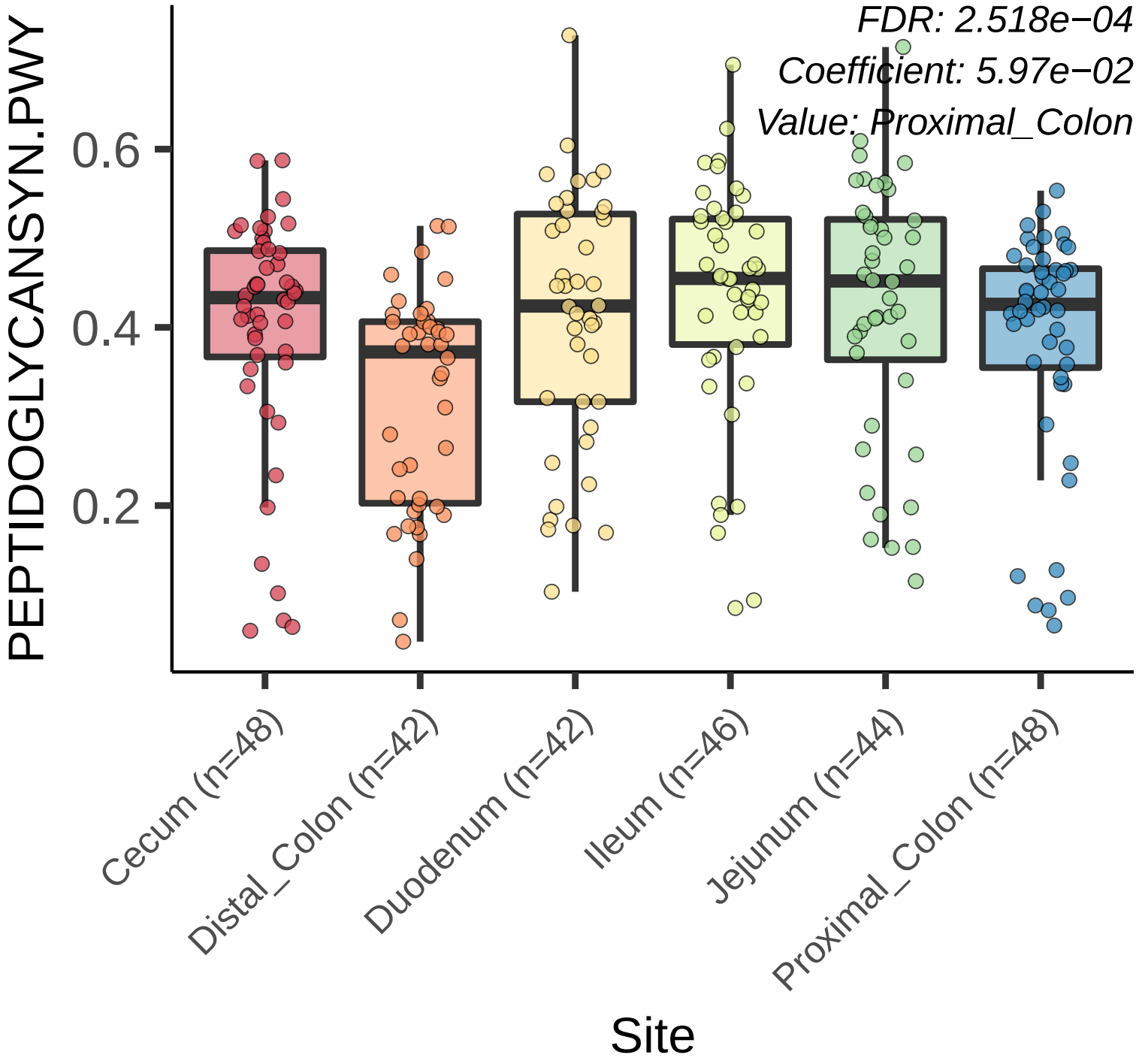

FDR: 1.846e−04
Coefficient: 2.38e−01
Value: Cecum
PWY.5509
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

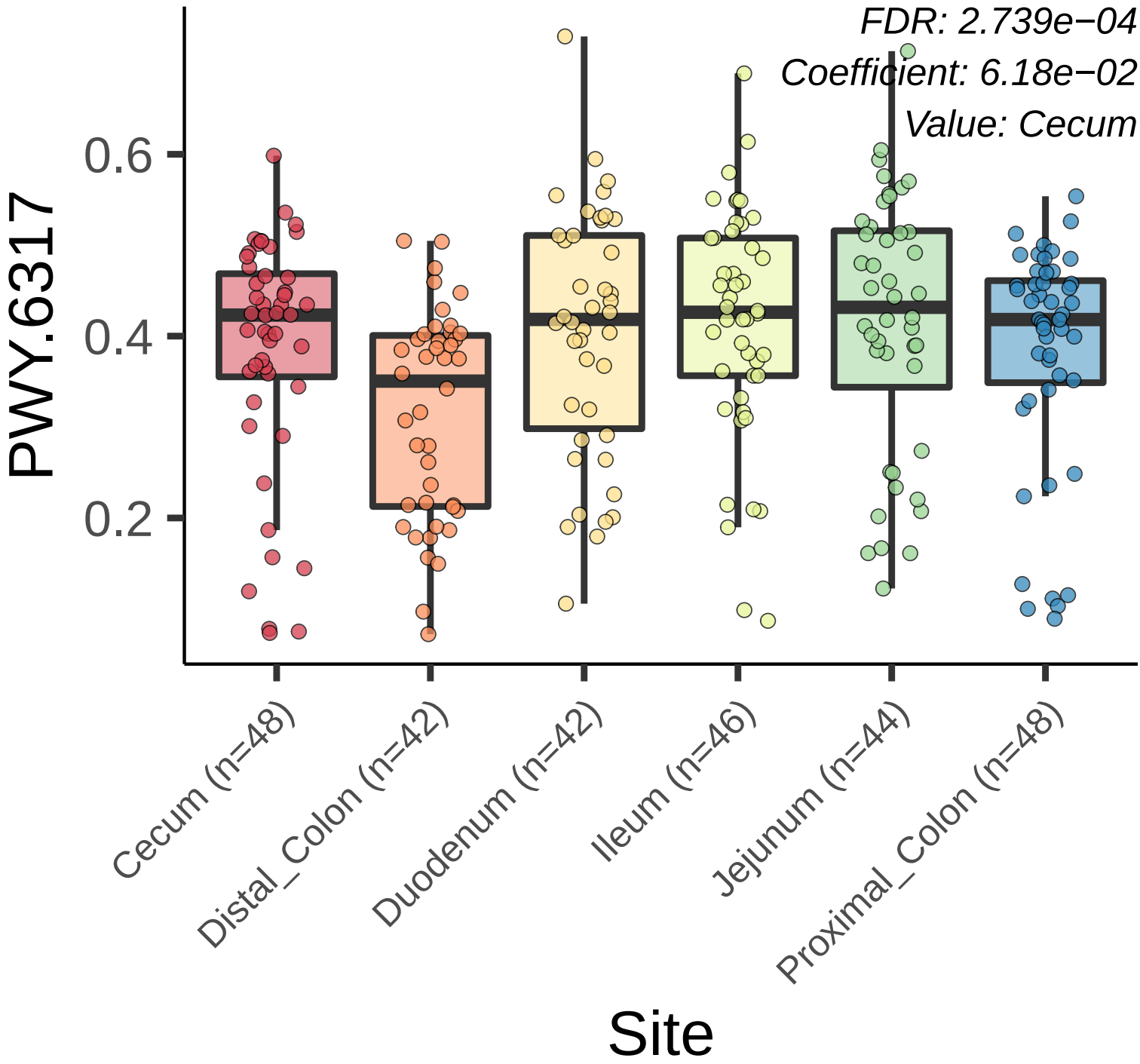

FDR: 1.848e−04
Coefficient: 1.63e−01
Value: Proximal_Colon
PWY.7242
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

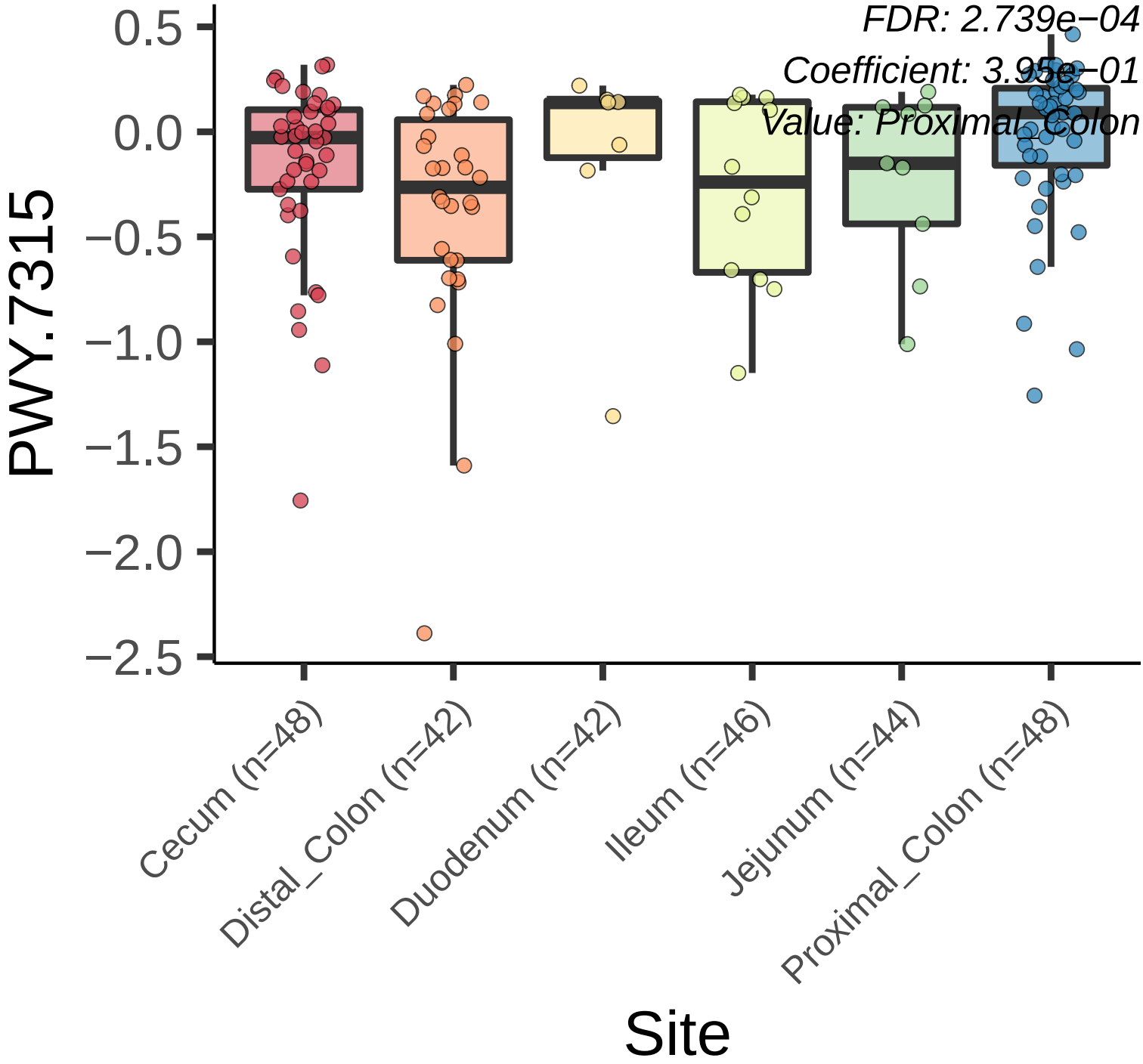

FDR: 1.976e−04
Coefficient: −2.08e−01
Value: Ileum
PWY.6353
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

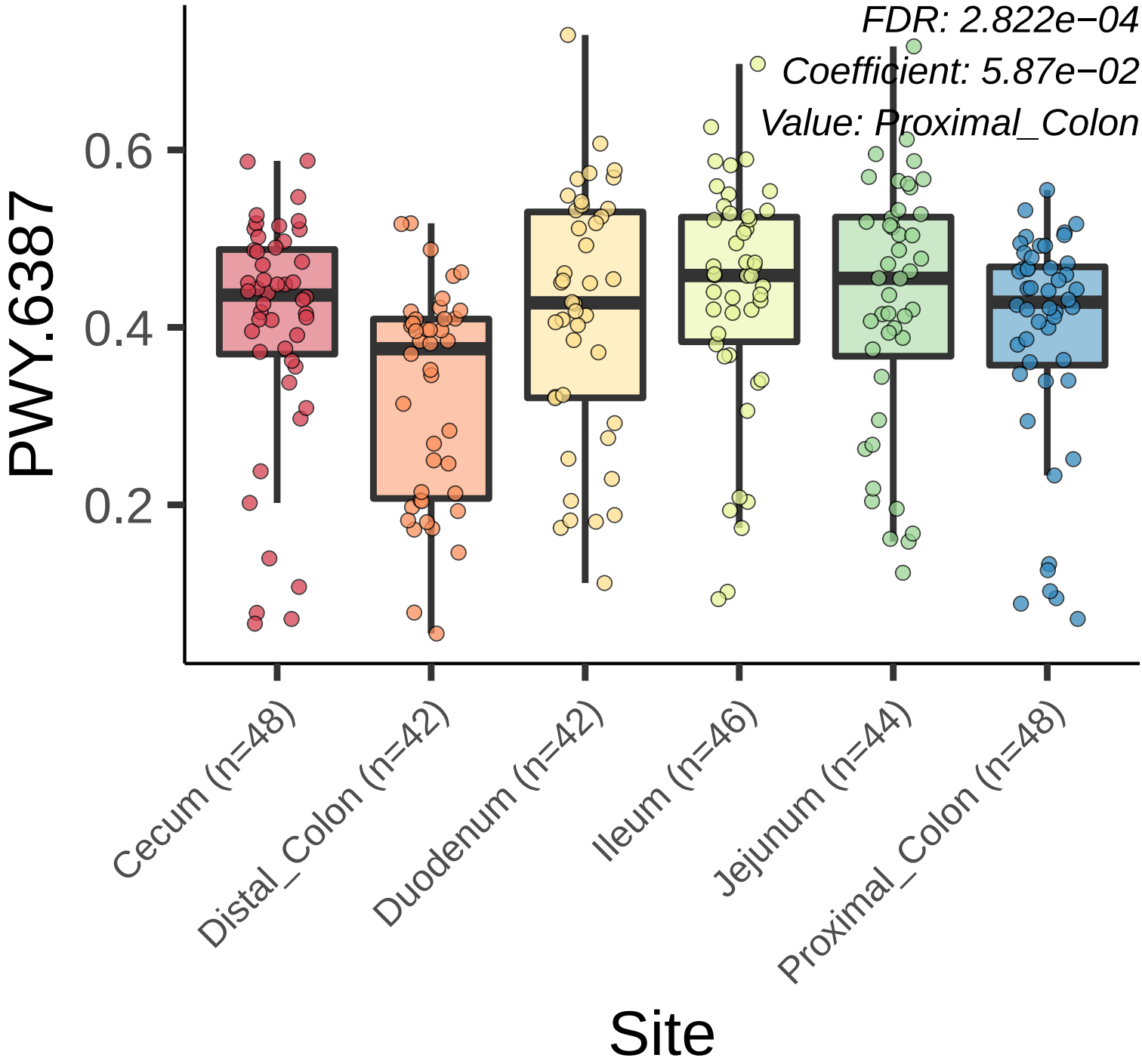

FDR: 2.480e−04
Coefficient: 3.54e−01
Value: Duodenum
PWY.7377
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

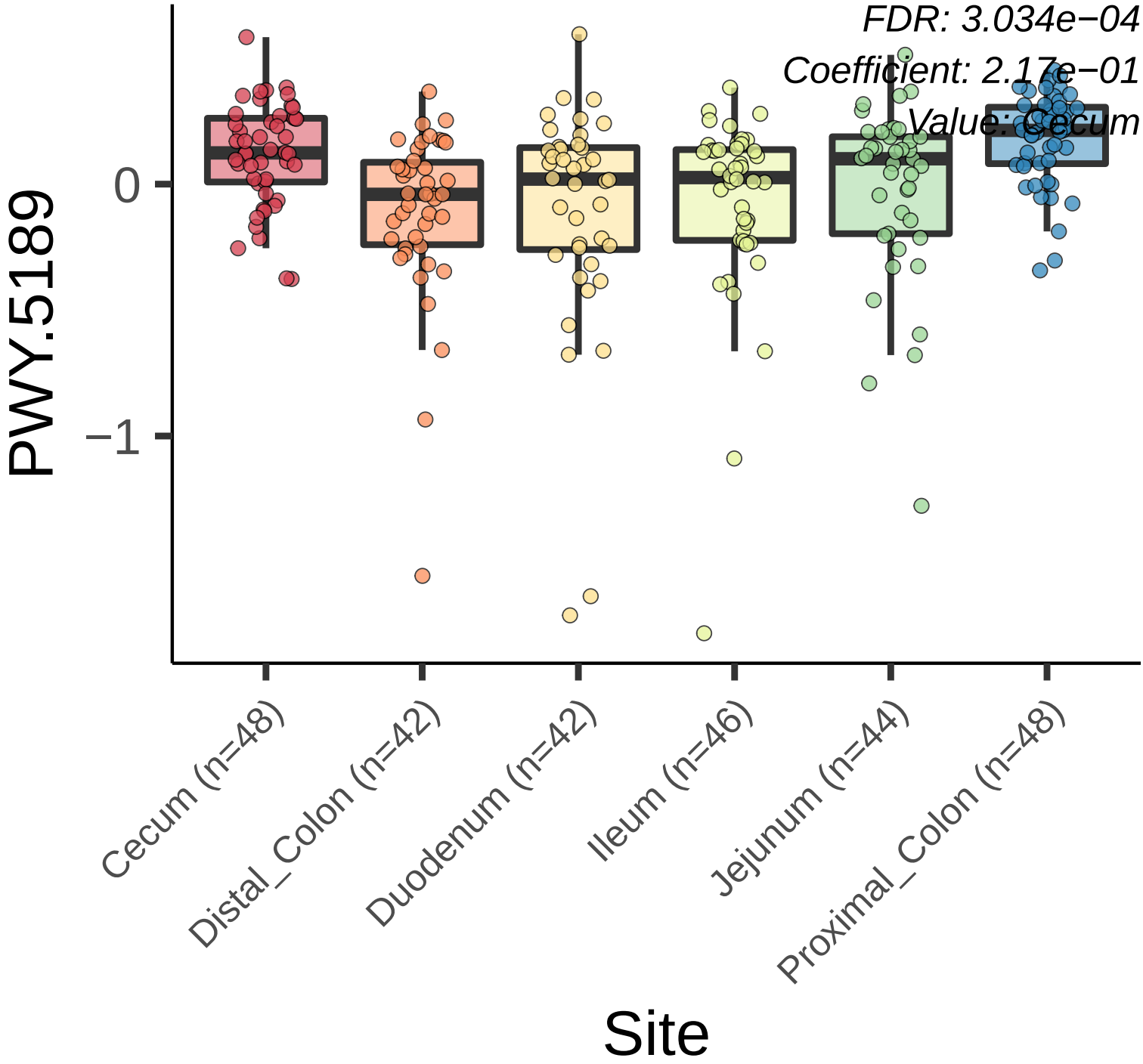

FDR: 2.510e−04
Coefficient: 6.59e−02
Value: Duodenum
PWY.6123
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

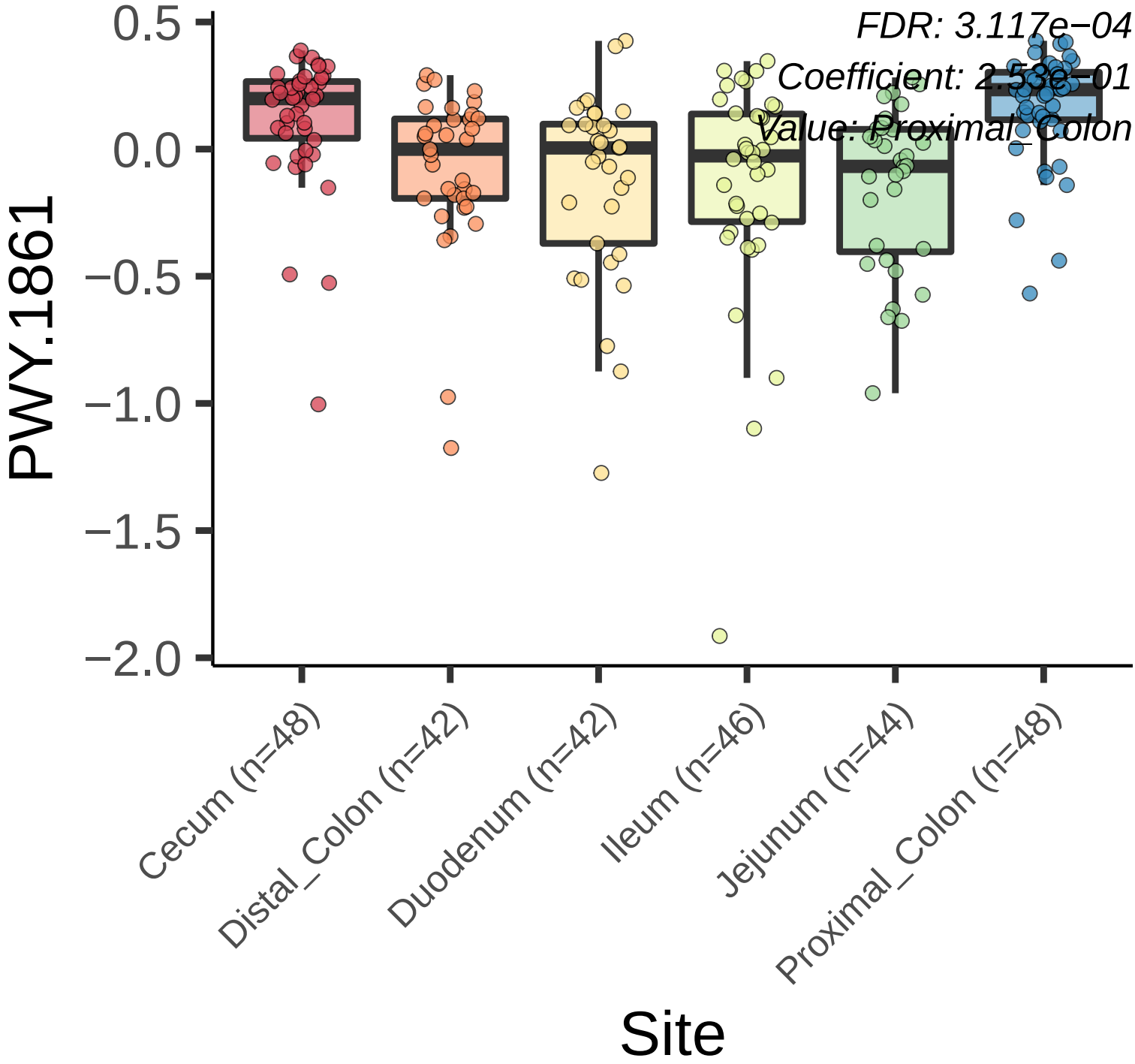

FDR: 2.518e−04
Coefficient: 5.97e−02
Value: Proximal_Colon
PEPTIDOGLYCANSYN.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

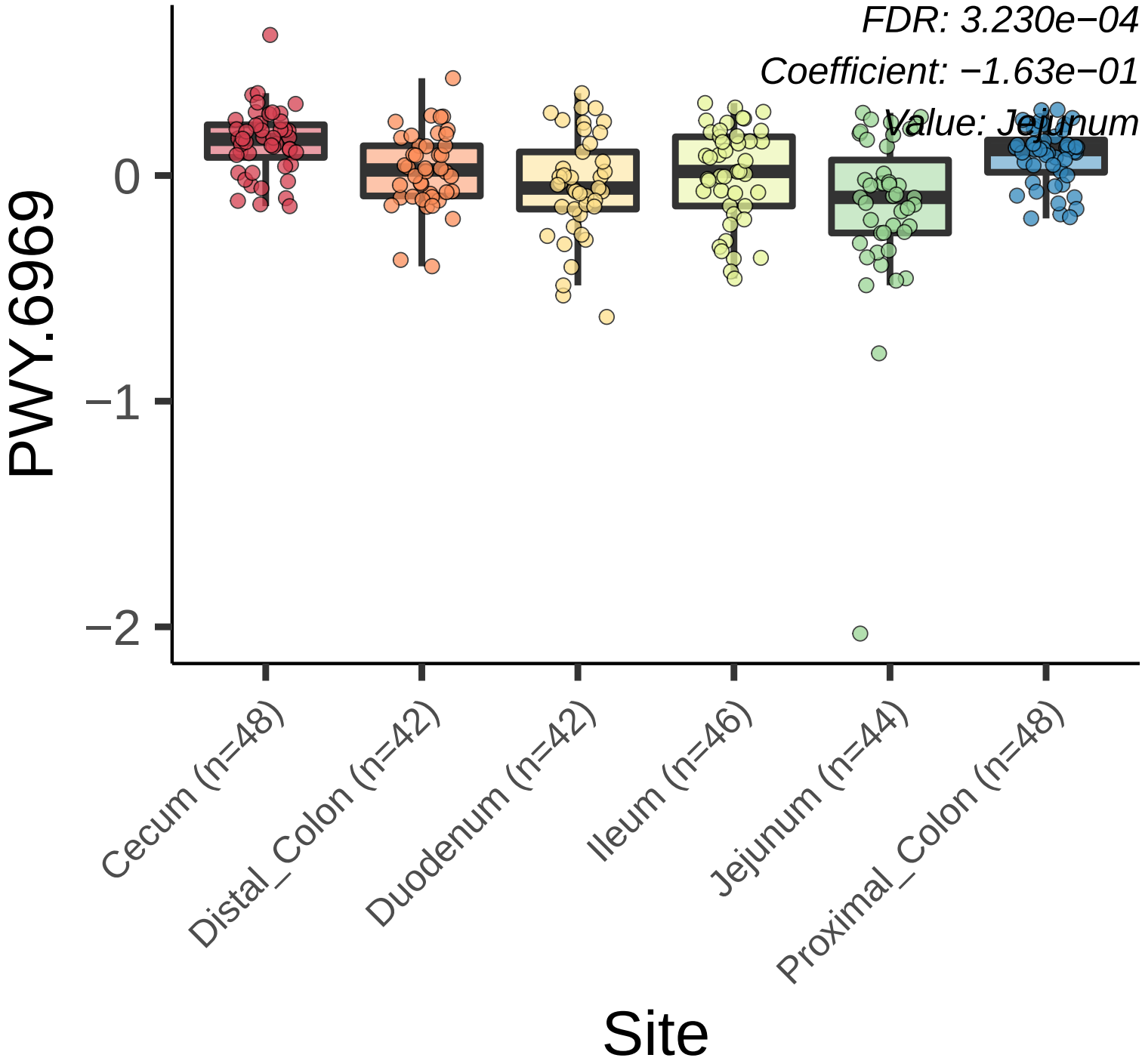

FDR: 2.739e−04
Coefficient: 6.18e−02
Value: Cecum
PWY.6317
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

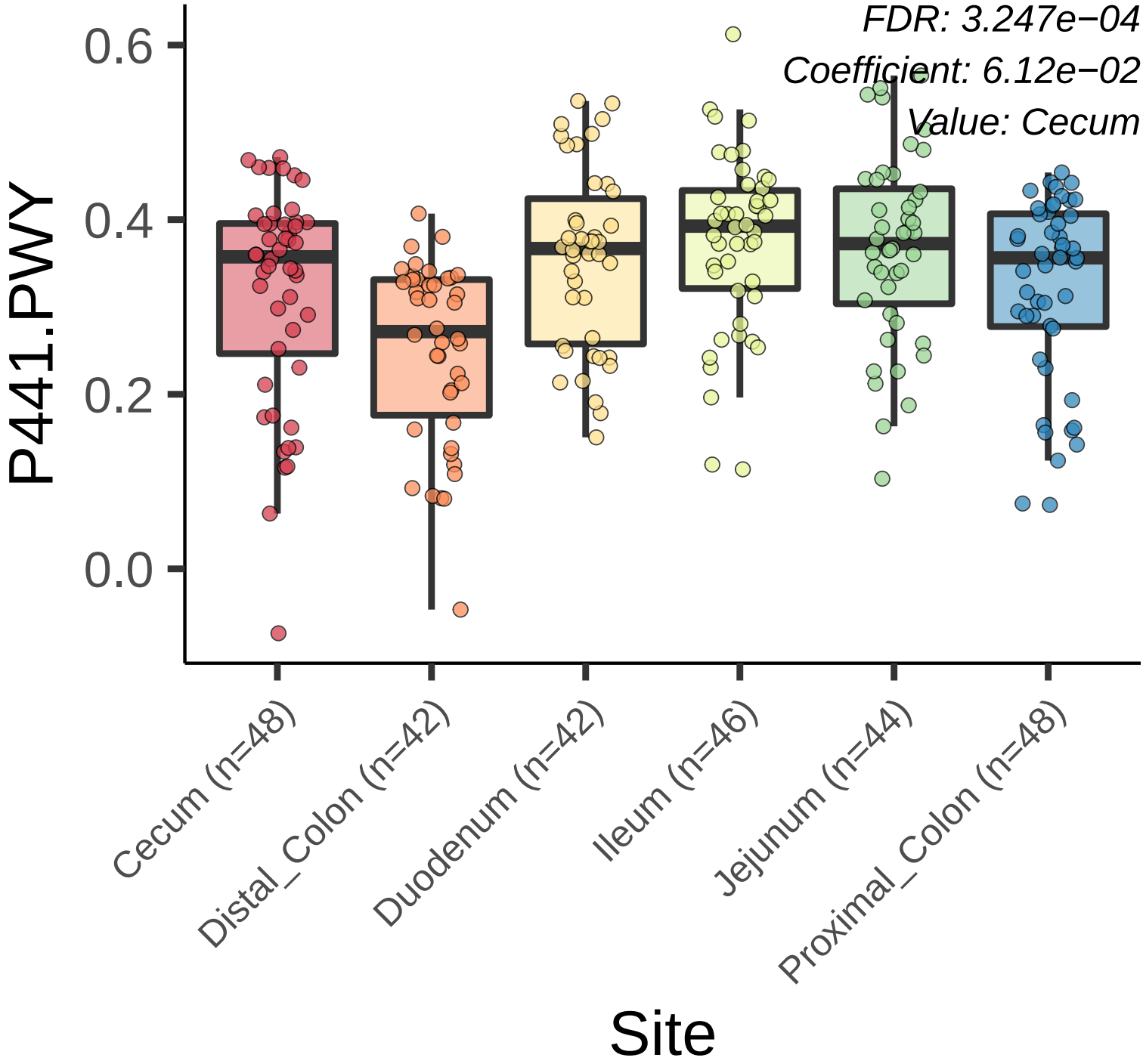

FDR: 2.739e−04
Coefficient: 3.95e−01
Value: Proximal_Colon
PWY.7315
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

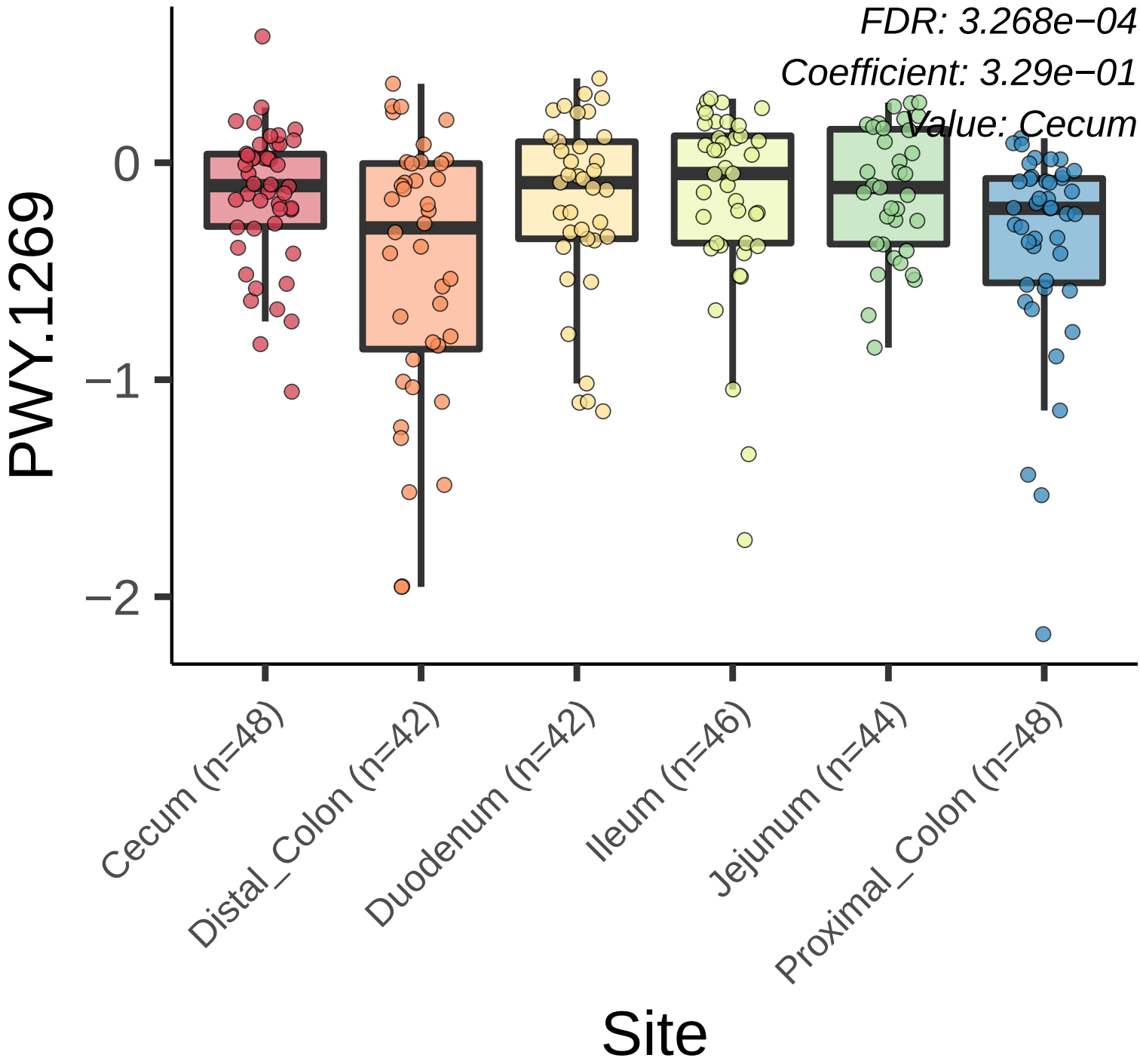

FDR: 2.822e−04
Coefficient: 5.87e−02
Value: Proximal_Colon
PWY.6387
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

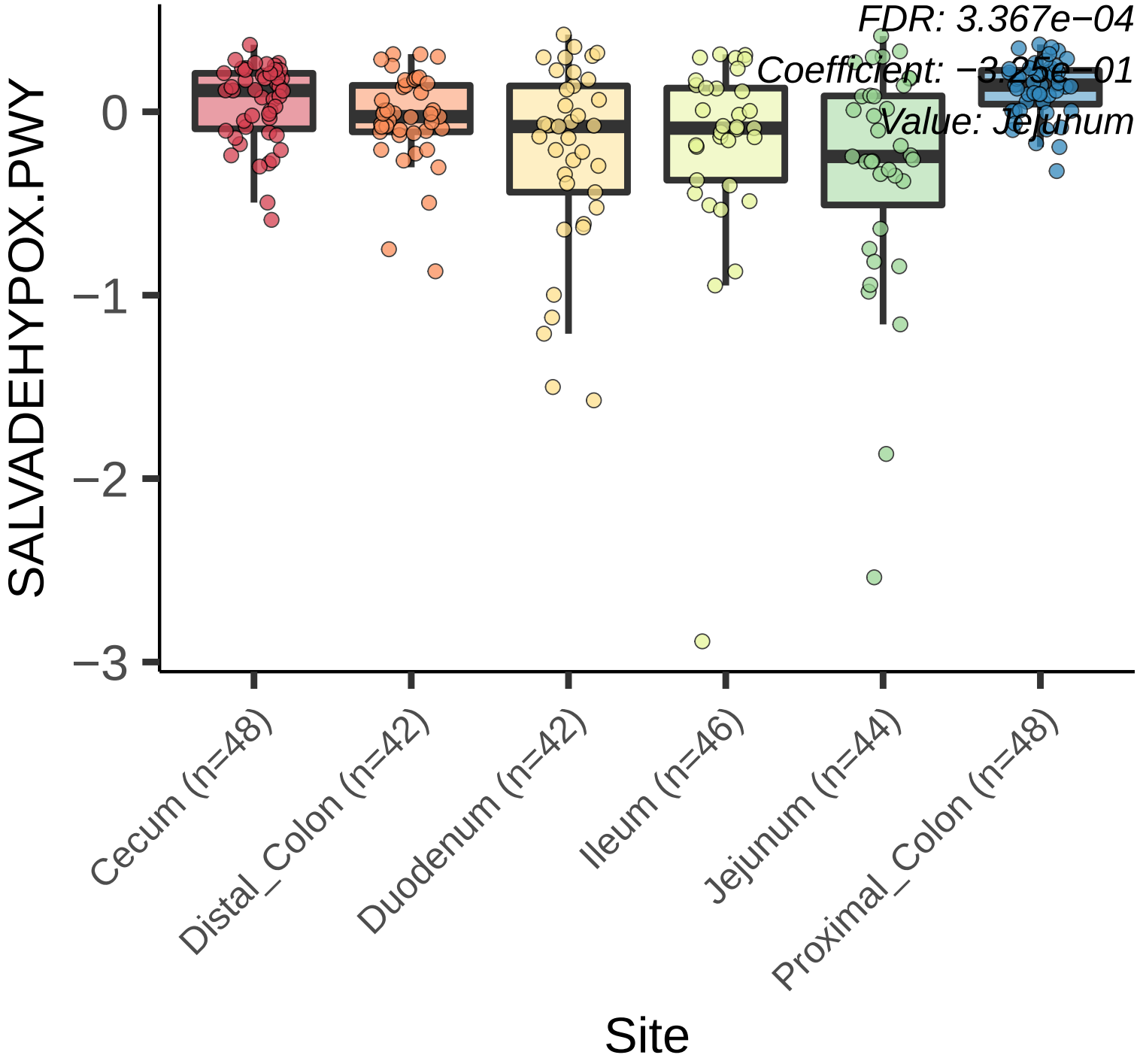

FDR: 3.034e−04
Coefficient: 2.17e−01
Value: Cecum
PWY.5189
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

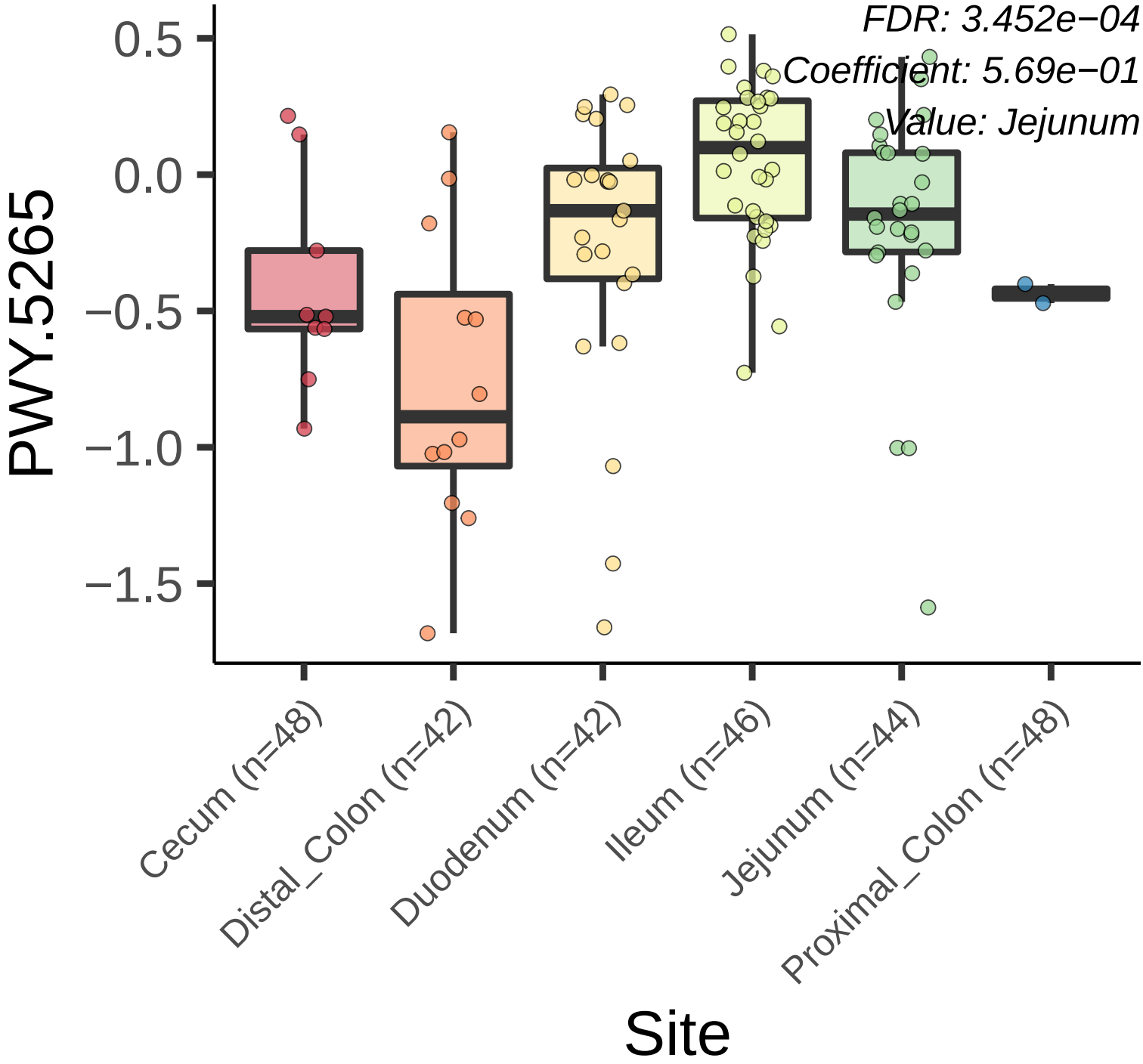

FDR: 3.117e−04
Coefficient: 2.536e−01
Value: Proximal_Colon
PWY.1861
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

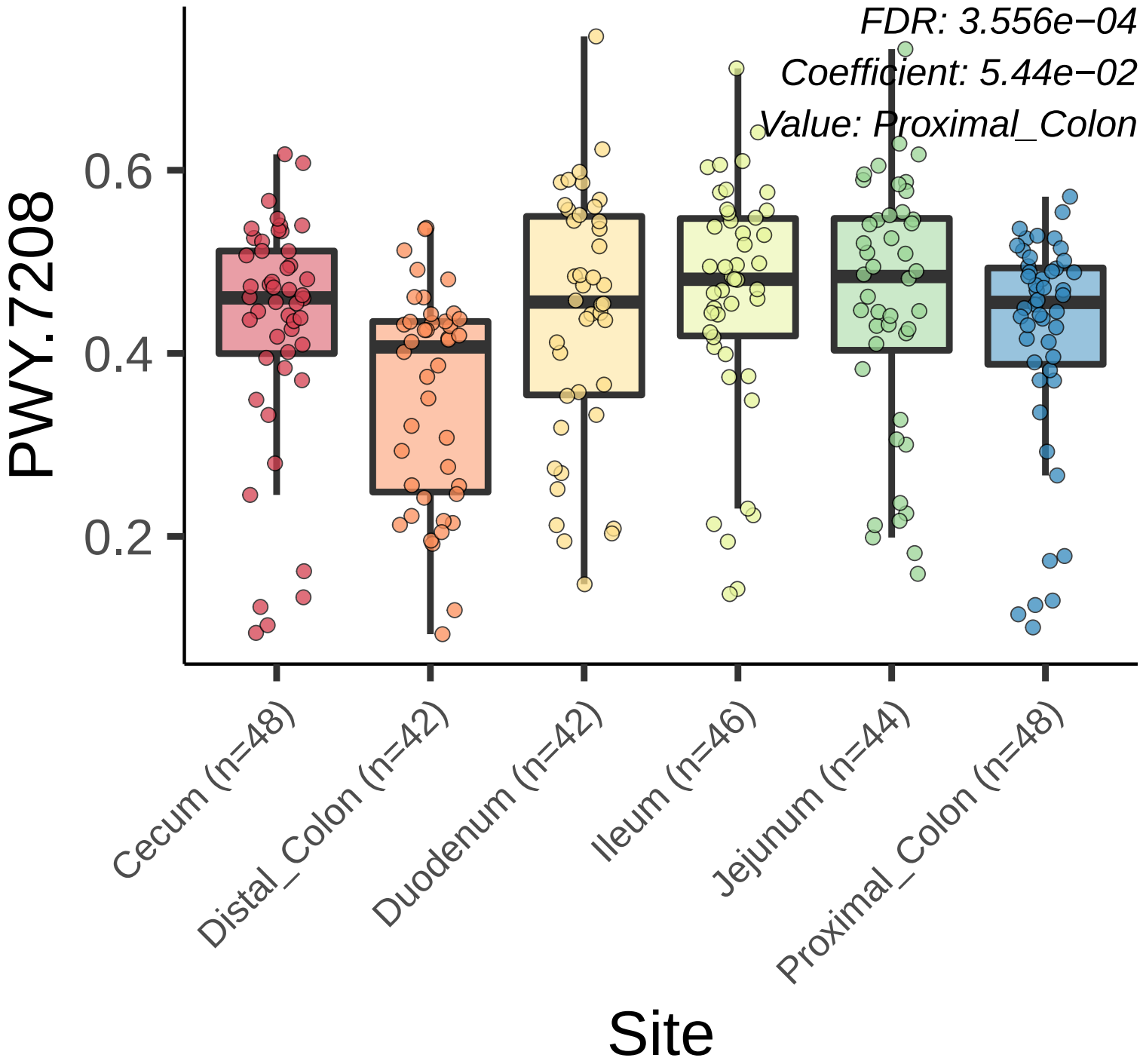

FDR: 3.230e−04
Coefficient: −1.63e−01
Value: Jejunum
PWY.6969
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

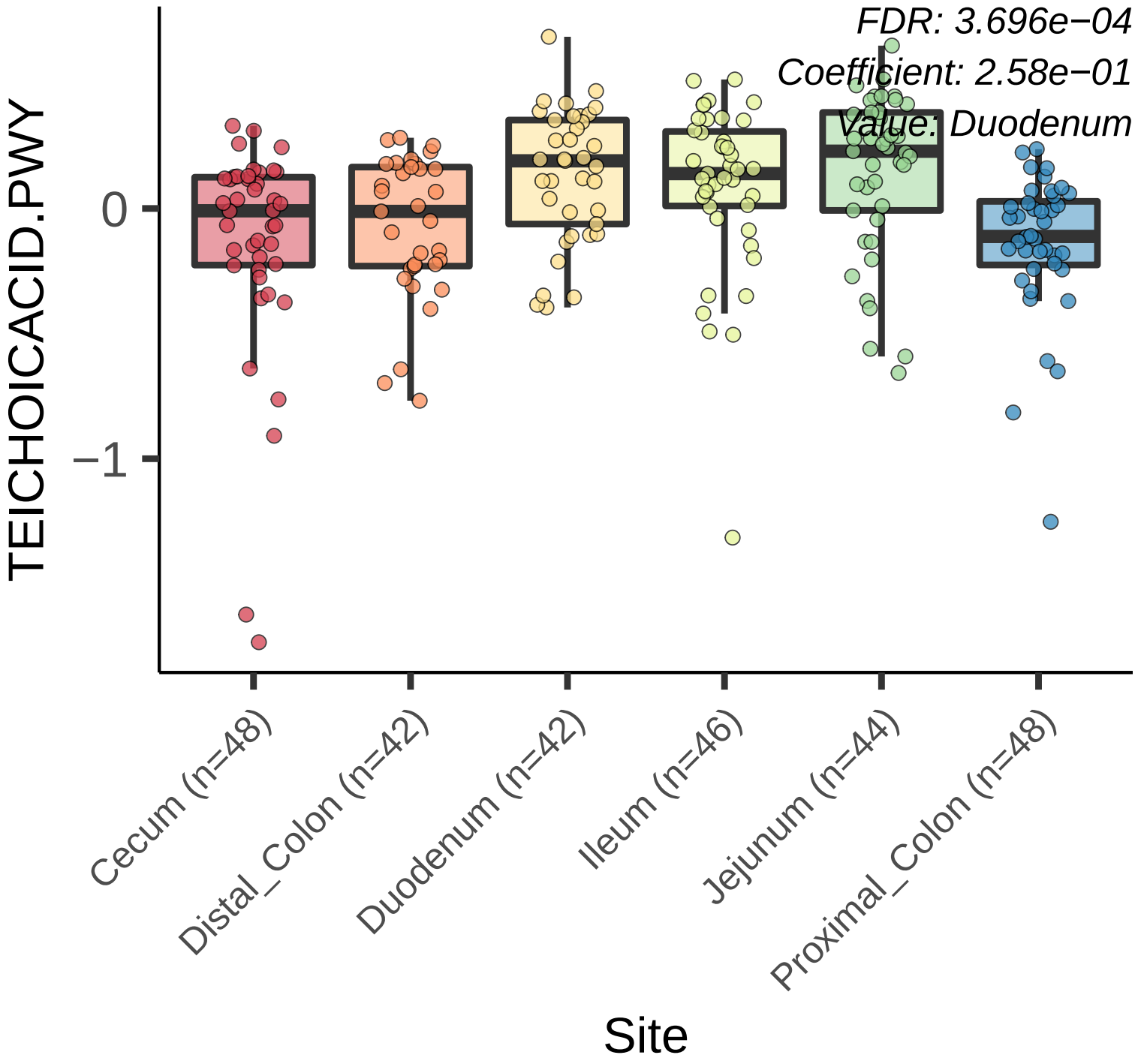

FDR: 3.247e−04
Coefficient: 6.12e−02
Value: Cecum
P441.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

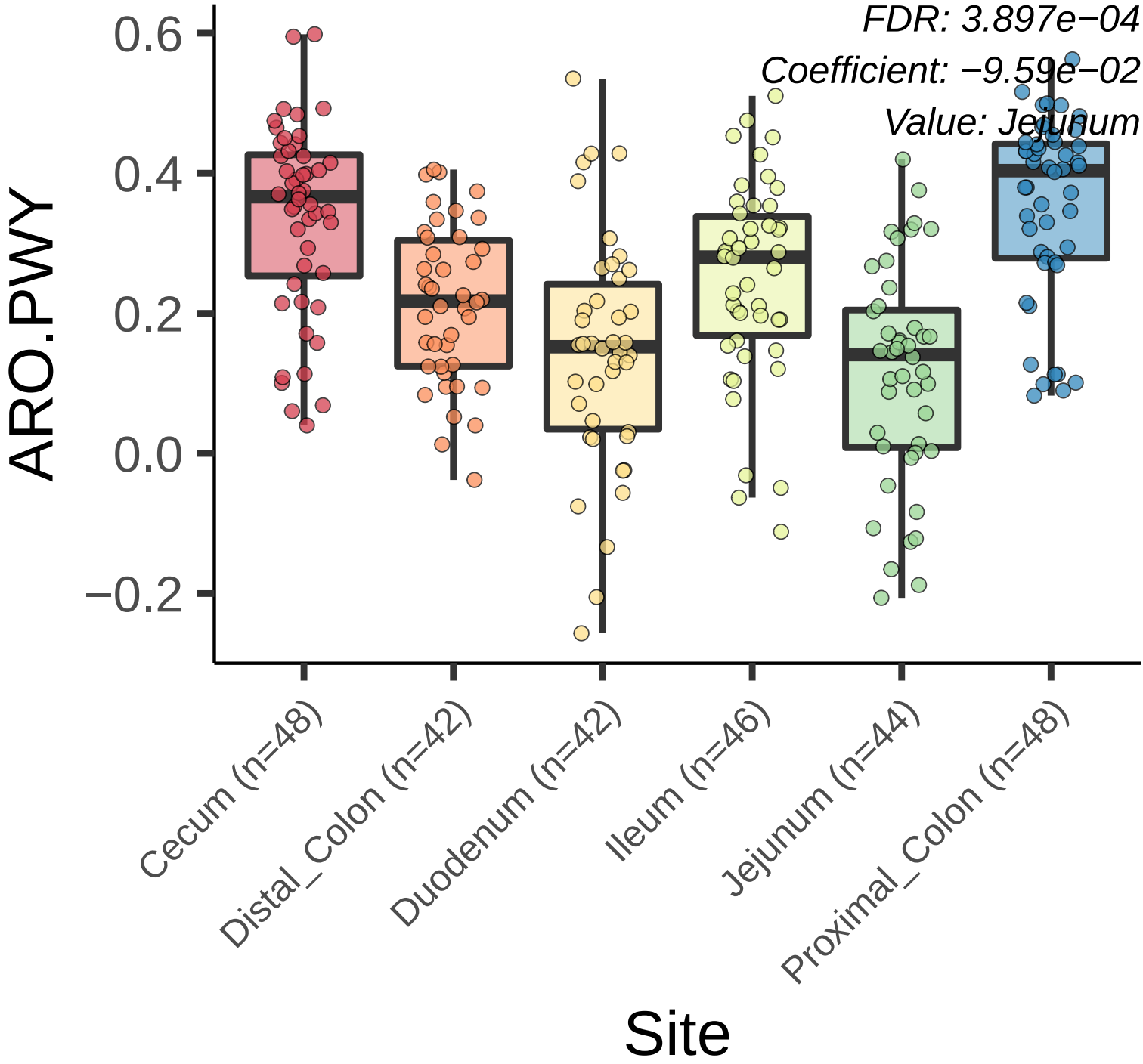

FDR: 3.268e−04
Coefficient: 3.29e−01
Value: Cecum
PWY.1269
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

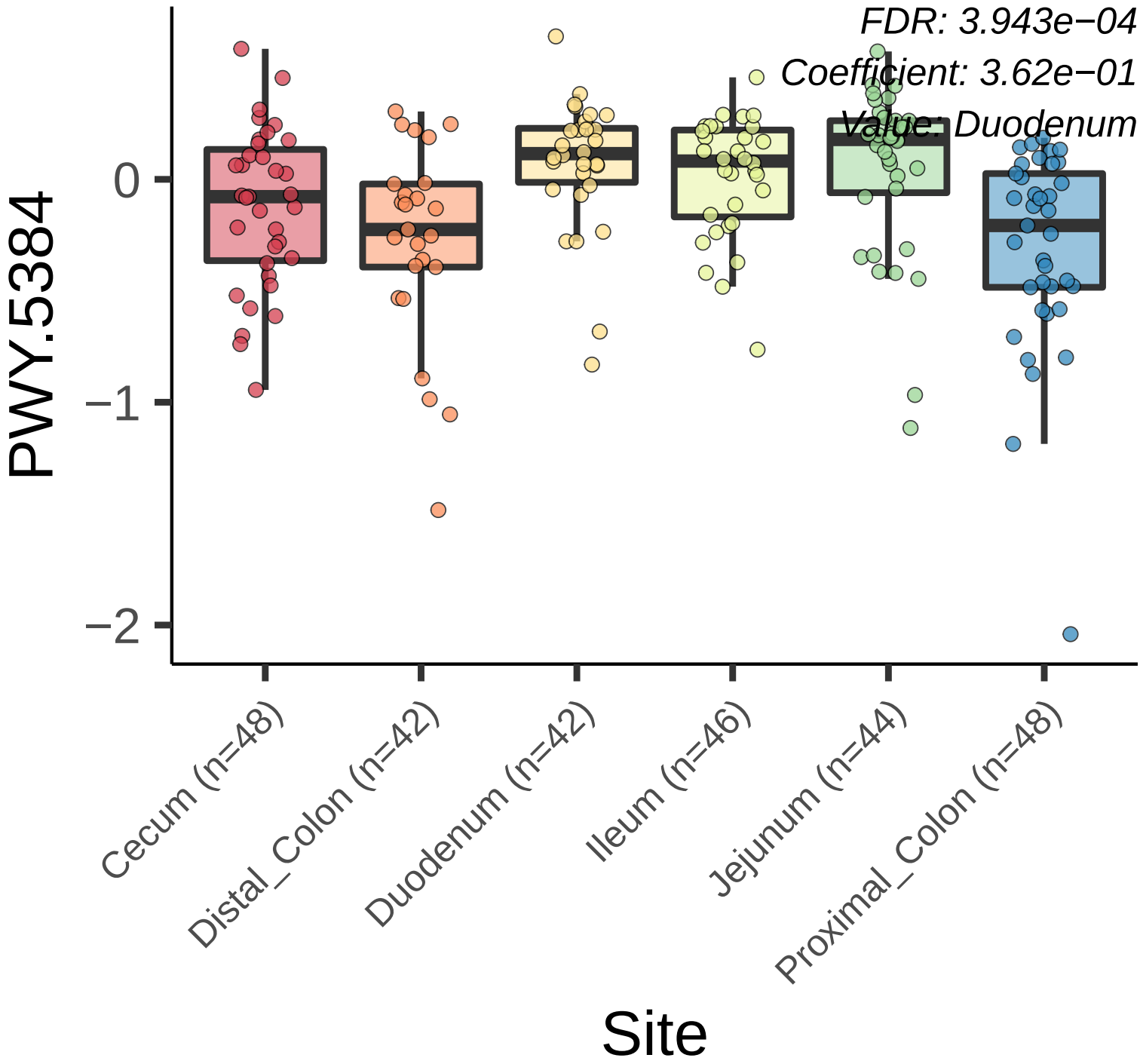

FDR: 3.367e−04
Coefficient: −3.25e−01
Value: Jejunum
SALVADEHYPOX.PWY
0
−1
−2
−3
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

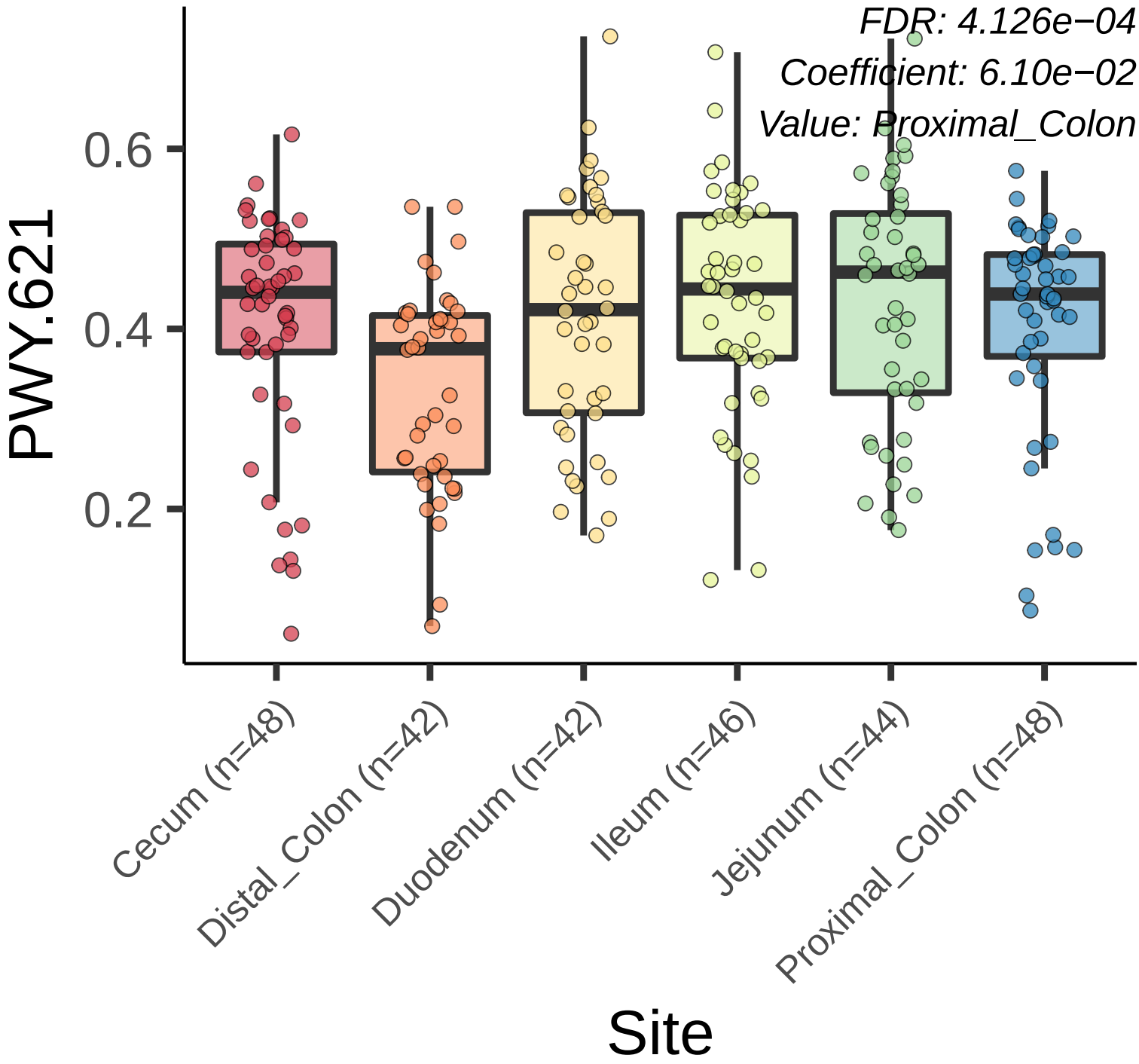

FDR: 3.452e−04
Coefficient: 5.69e−01
Value: Jejunum
PWY.5265
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

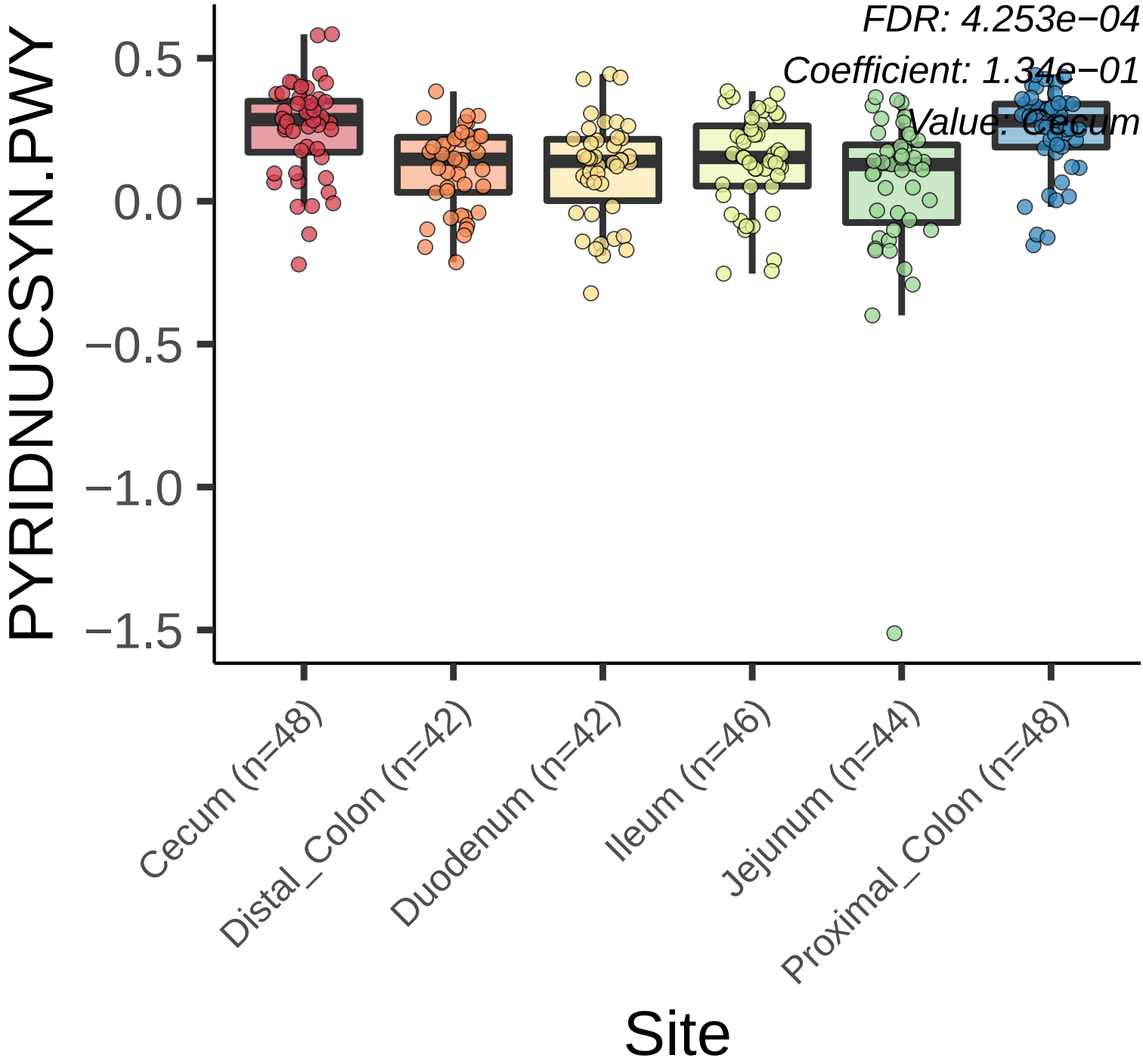

FDR: 3.556e−04
Coefficient: 5.44e−02
Value: Proximal_Colon
PWY.7208
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

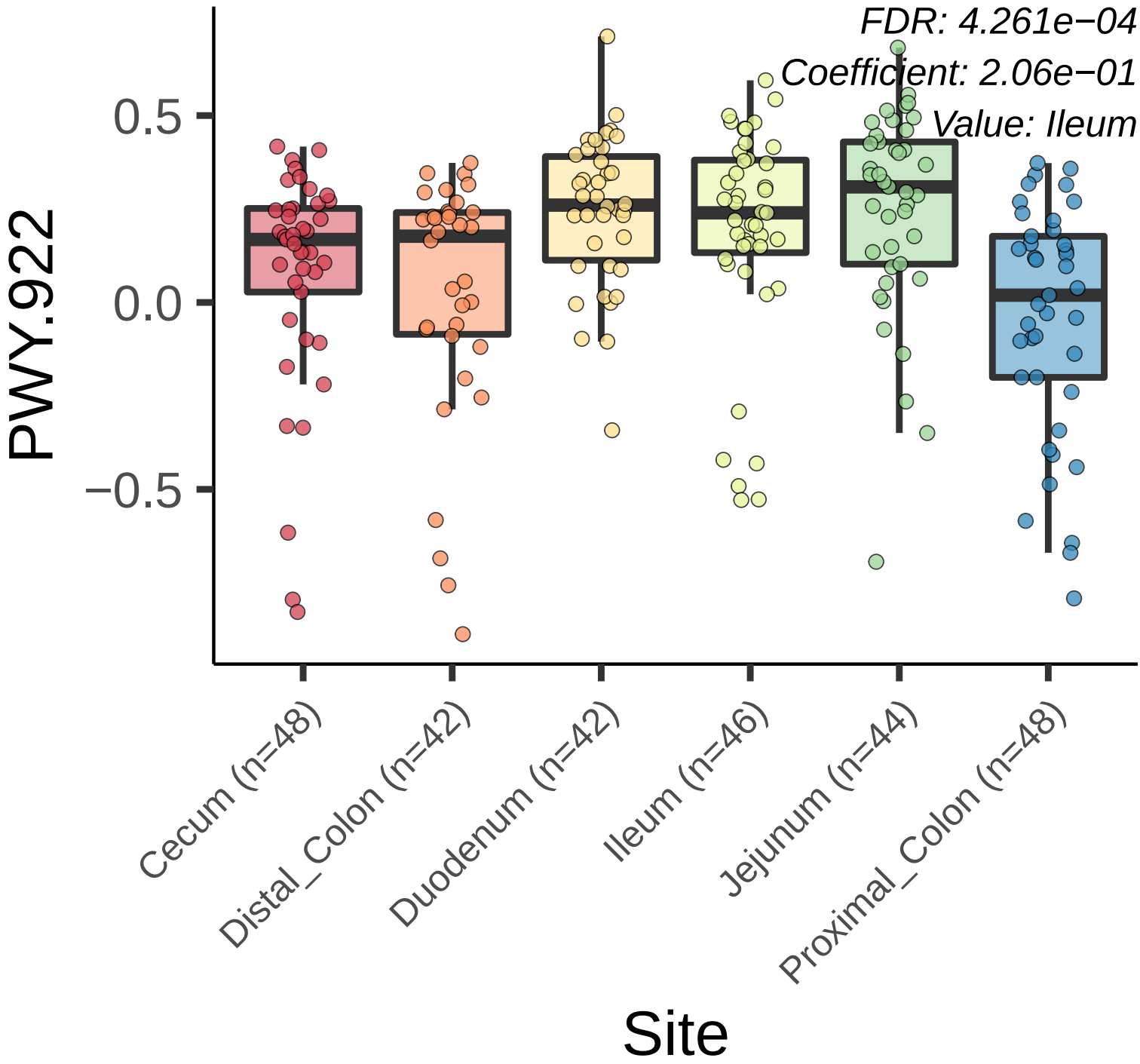

FDR: 3.696e−04
Coefficient: 2.58e−01
Value: Duodenum
TEICHOICACID.PWY
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

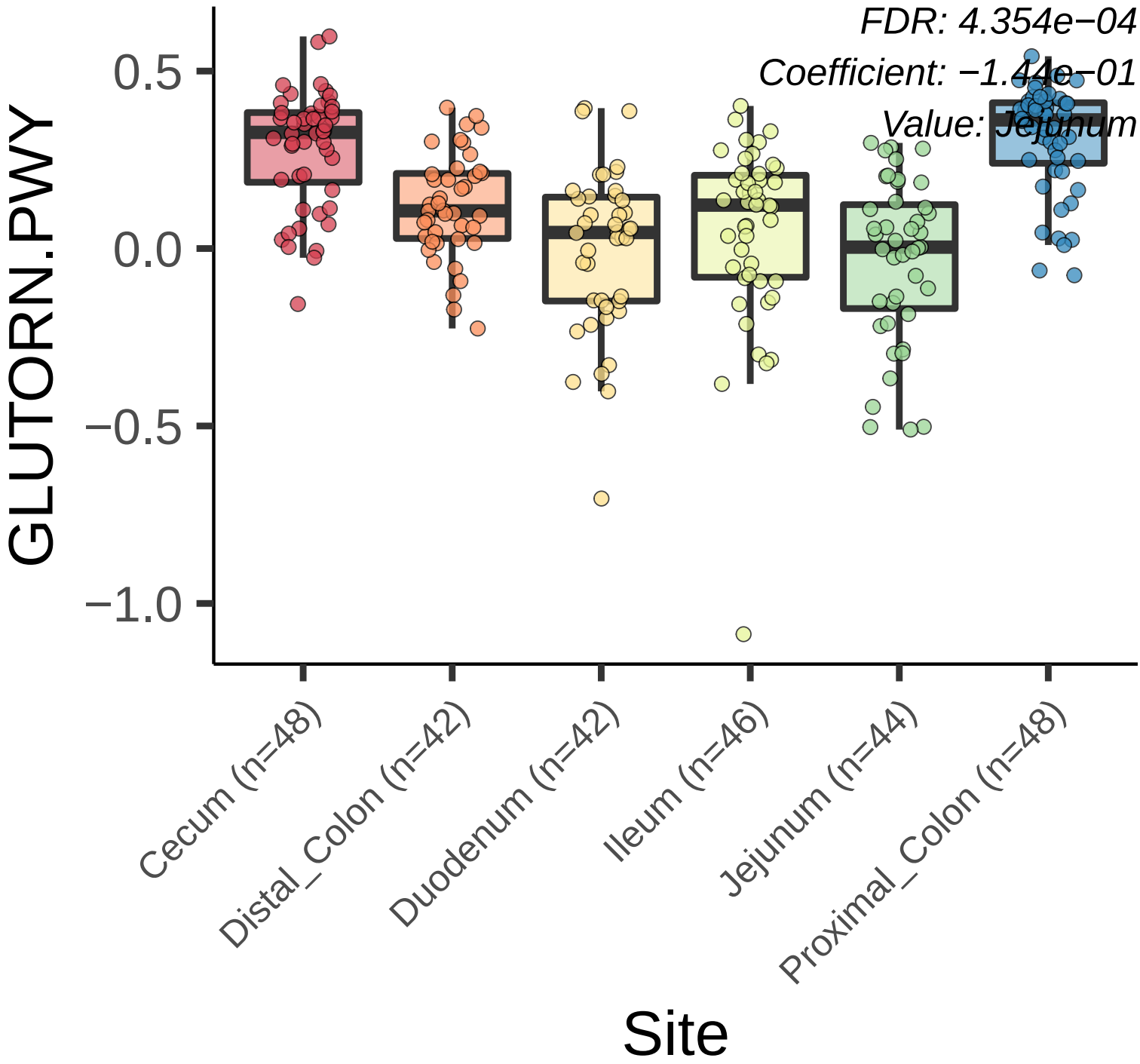

FDR: 3.897e−04
Coefficient: −9.59e−02
Value: Jejunum
ARO.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

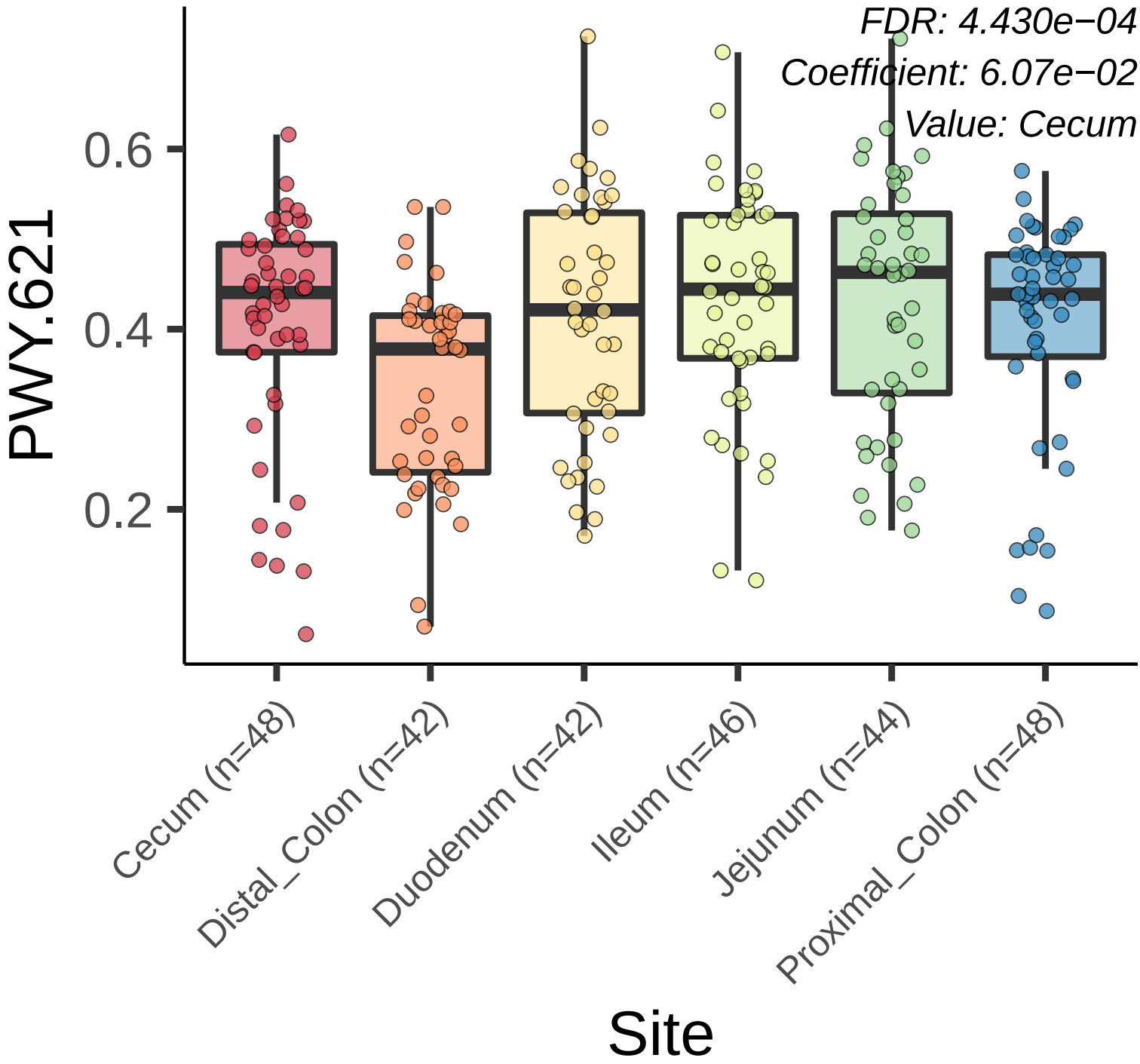

FDR: 3.943e−04
Coefficient: 3.62e−01
Value: Duodenum
PWY.5384
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

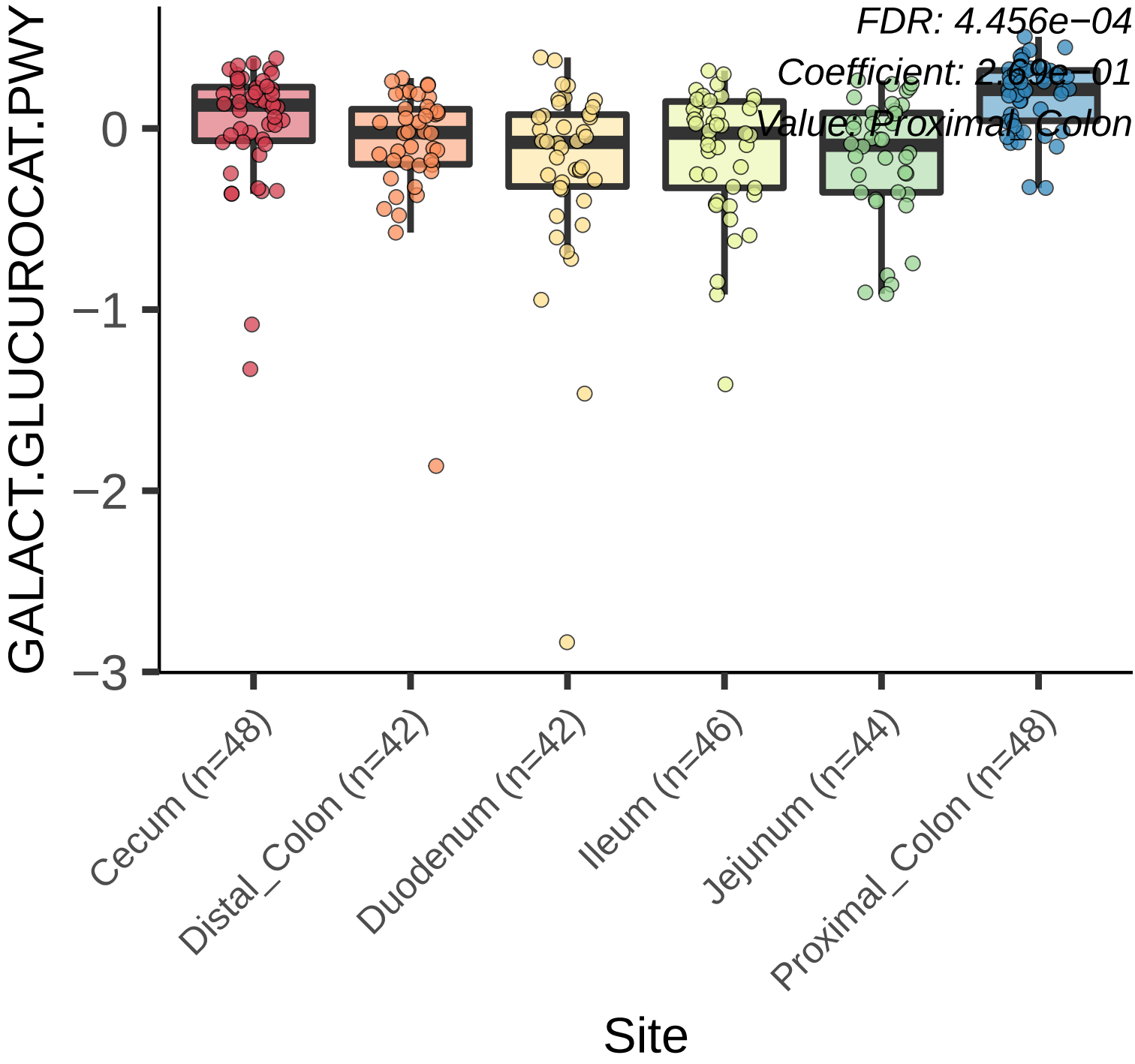

FDR: 4.126e−04
Coefficient: 6.10e−02
Value: Proximal_Colon
PWY.621
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

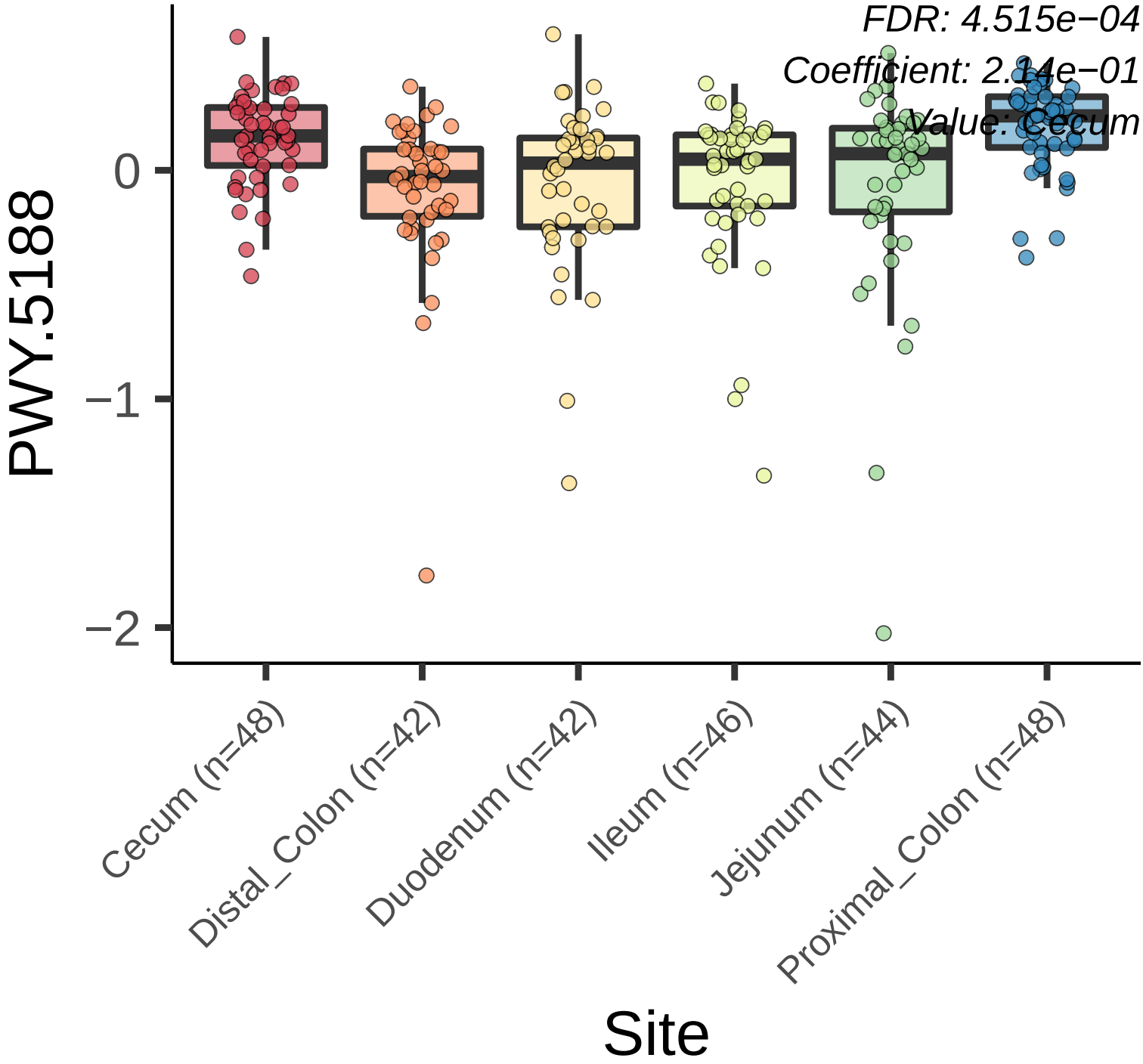

FDR: 4.253e−04
Coefficient: 1.34e−01
Value: Cecum
PYRIDNUCSYN.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

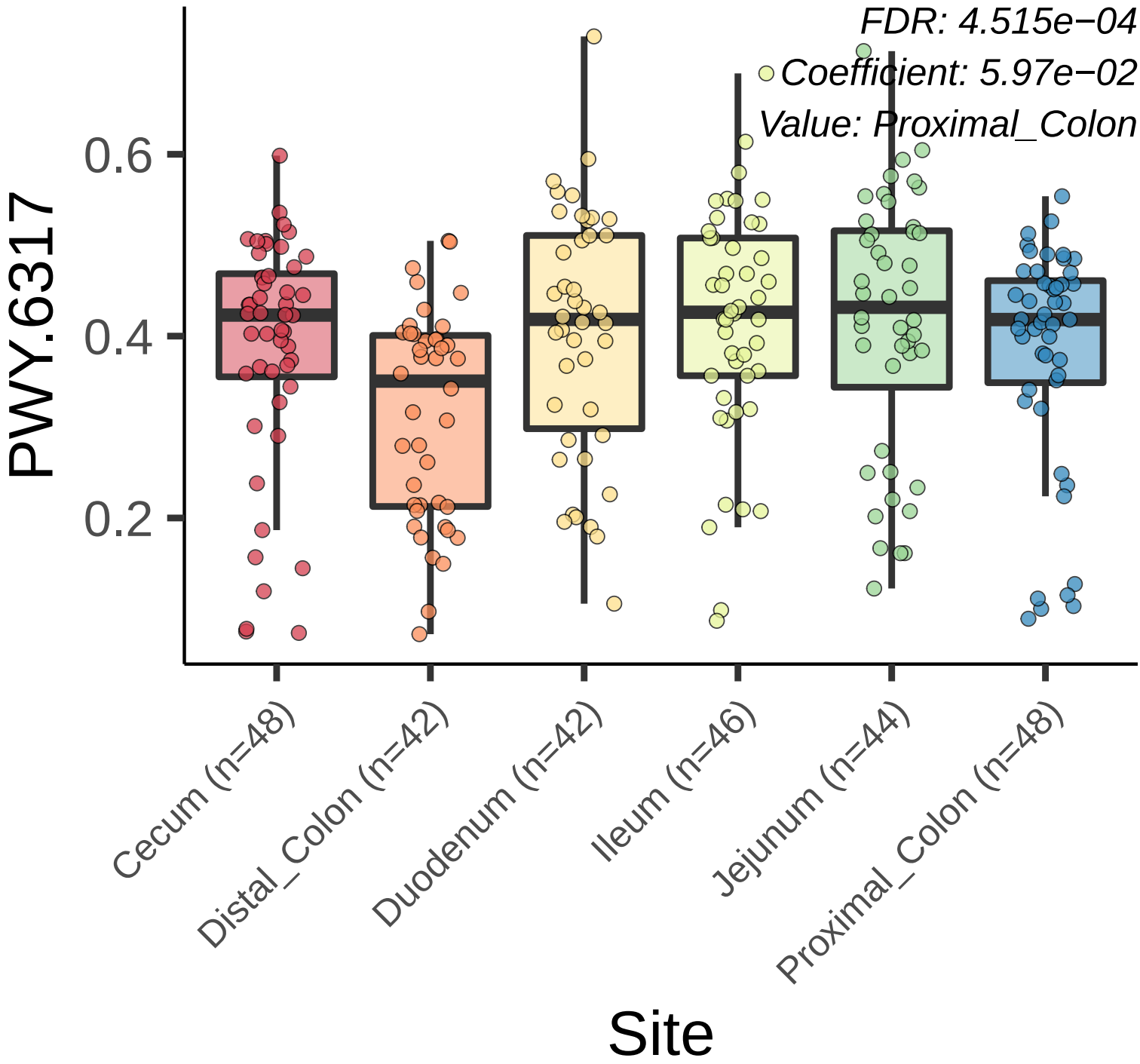

FDR: 4.261e−04
Coefficient: 2.06e−01
Value: Ileum
PWY.922
0.5
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

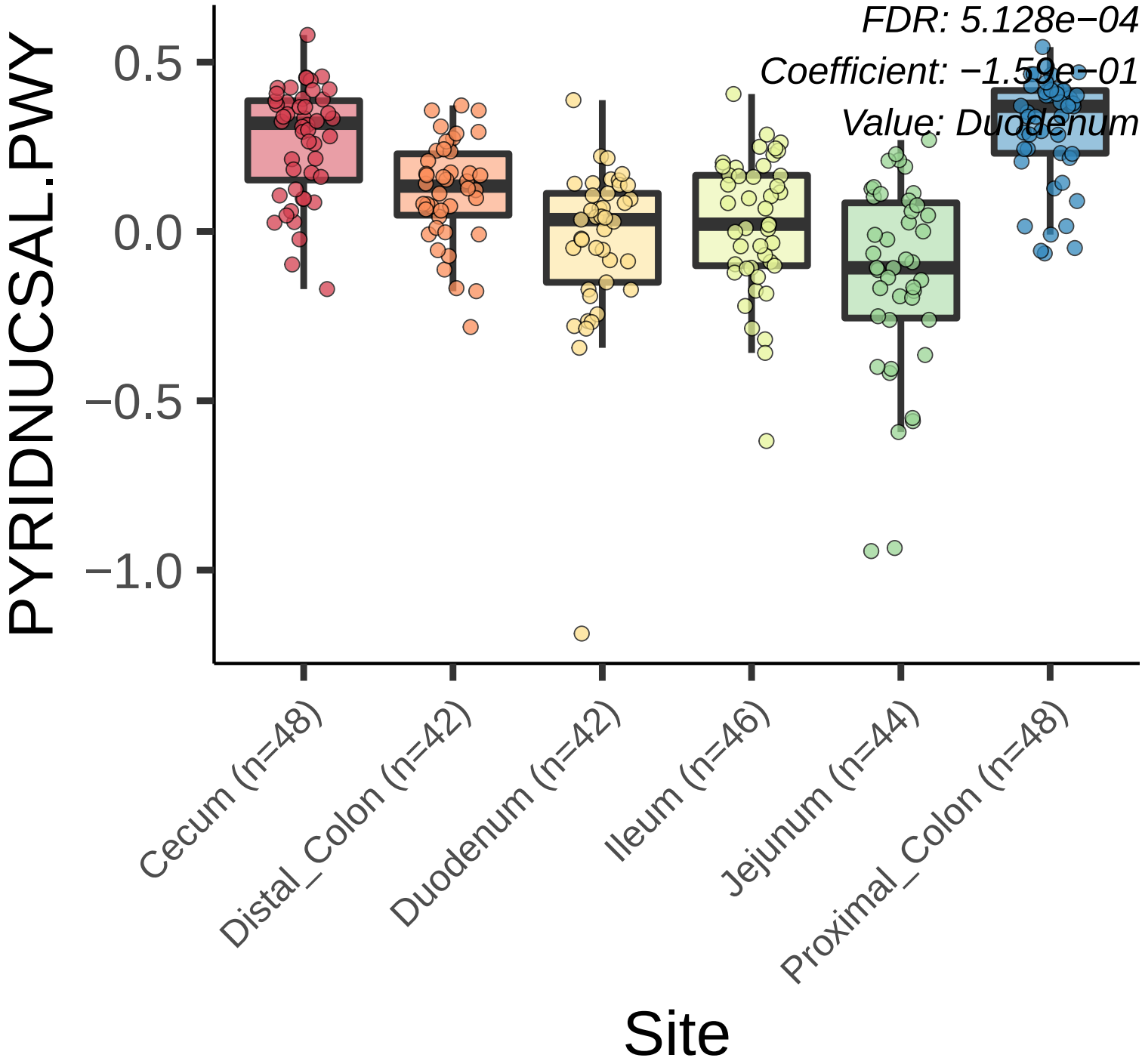

FDR: 4.354e−04
Coefficient: −1.44e−01
Value: Jejunum
GLUTORN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

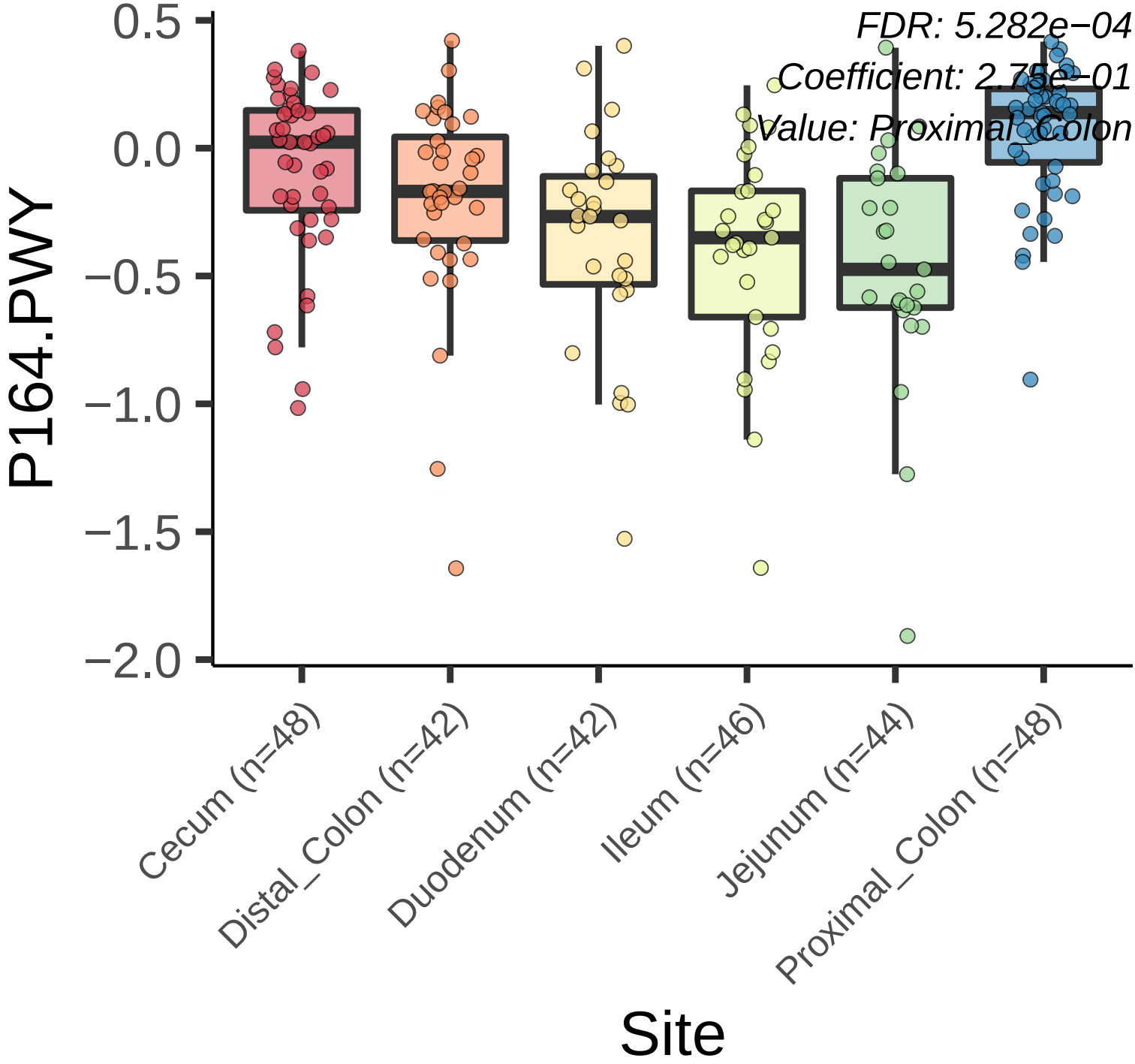

FDR: 4.430e−04
Coefficient: 6.07e−02
Value: Cecum
PWY.621
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

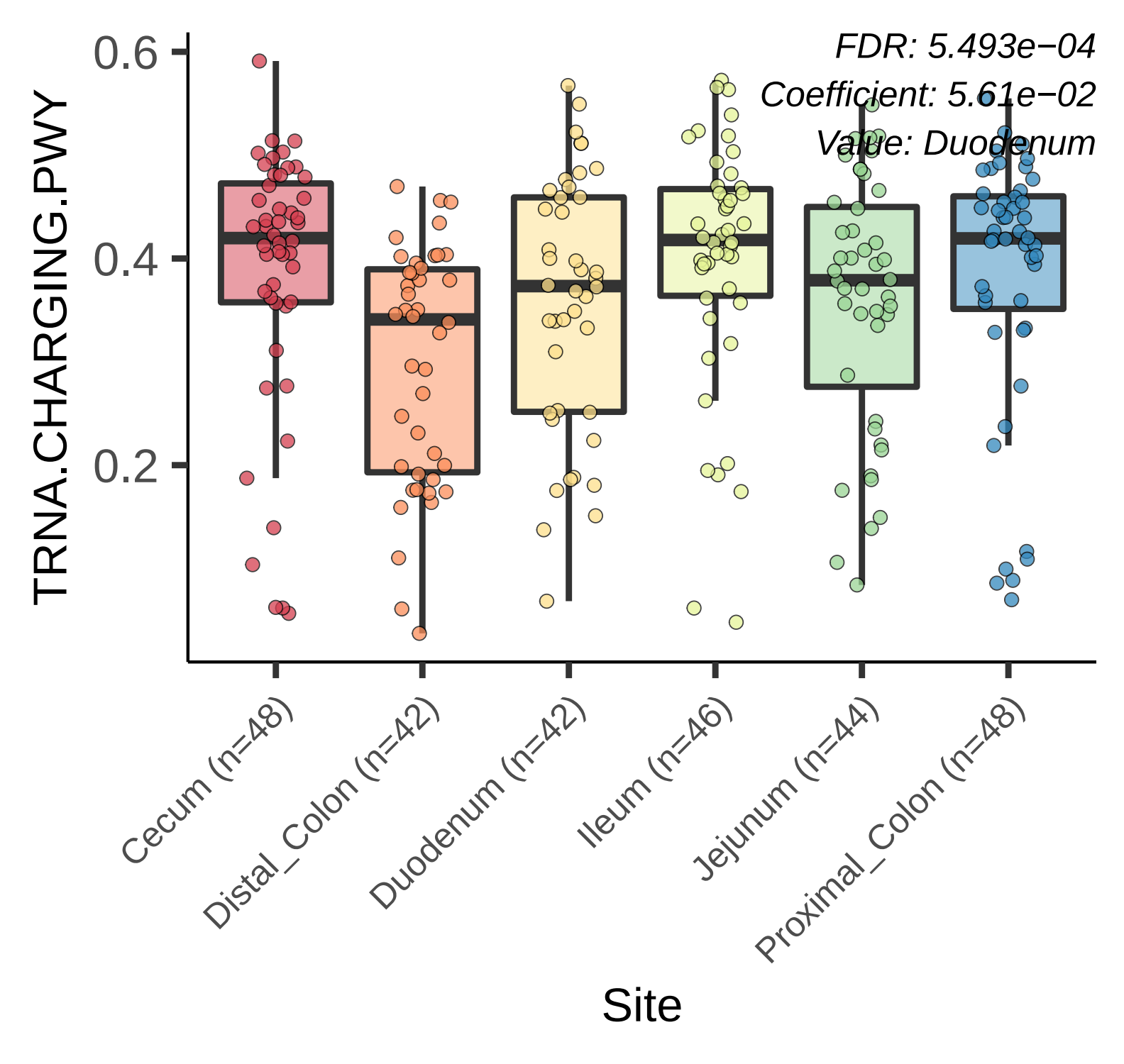

FDR: 4.456e−04
Coefficient: 2.69e−01
Value: Proximal_Colon
GALACT.GLUCUROCAT.PWY
0
−1
−2
−3
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

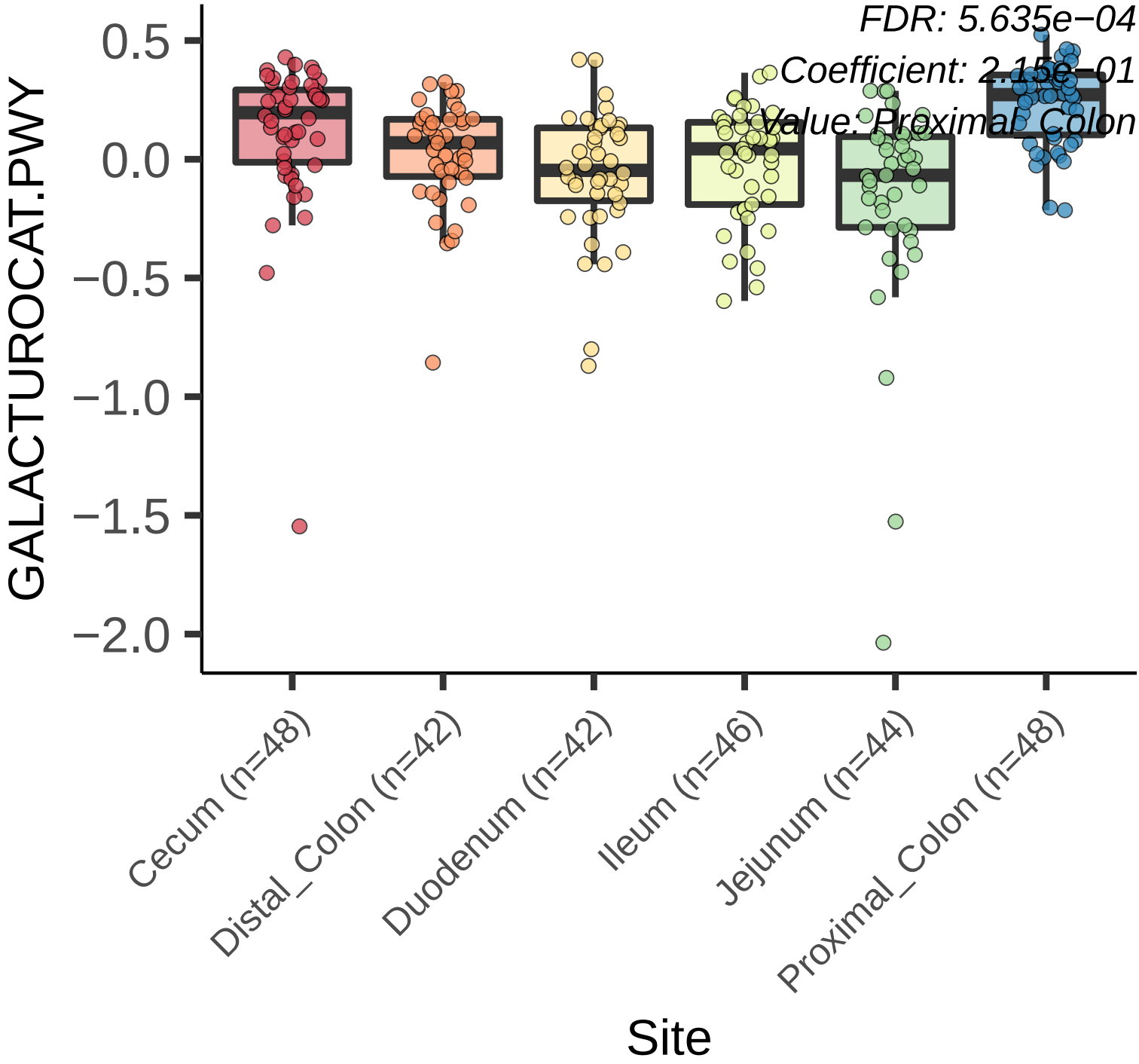

FDR: 4.515e−04
Coefficient: 2.14e−01
Value: Cecum
PWY.5188
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

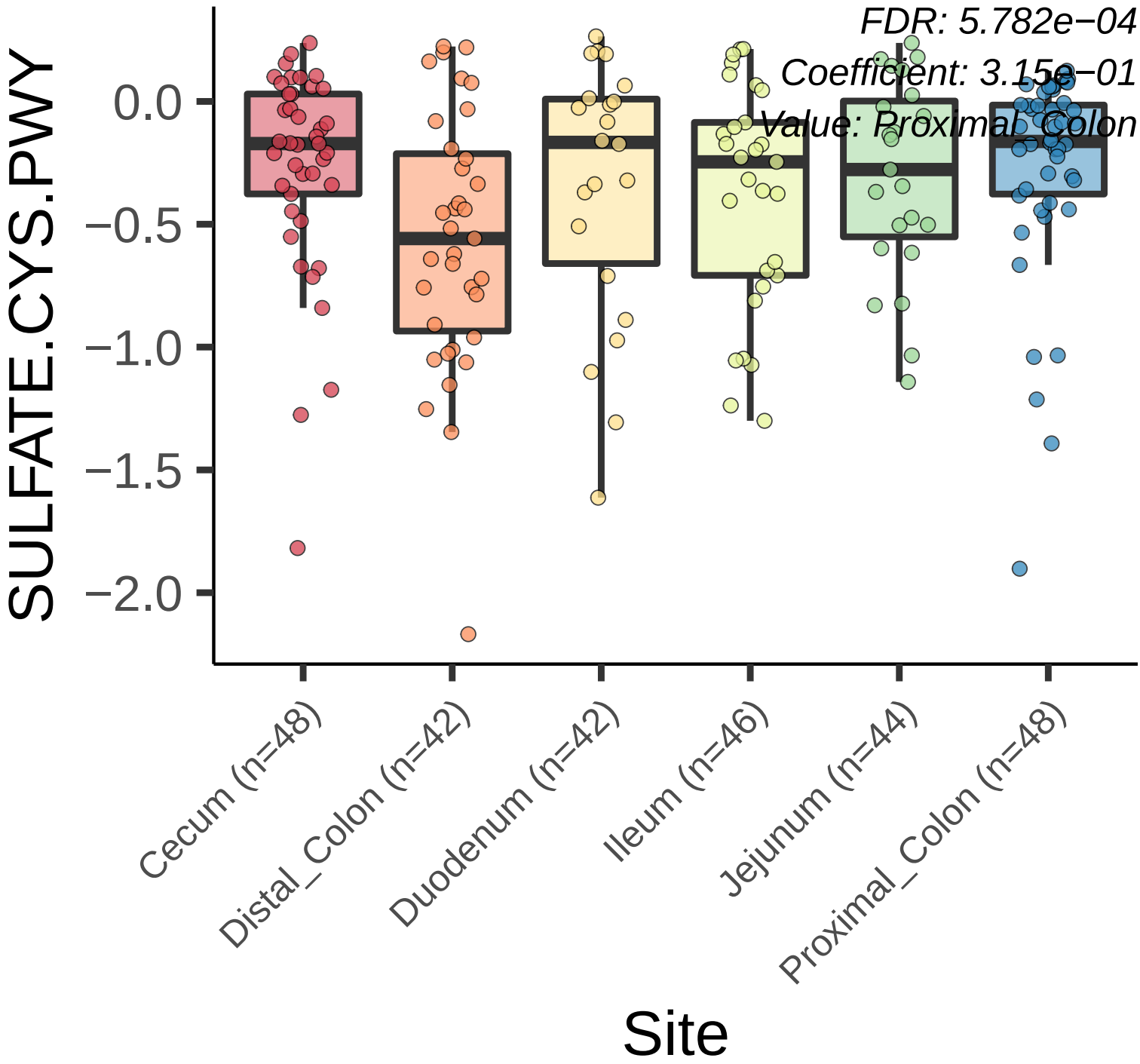

FDR: 4.515e−04
Coefficient: 5.97e−02
Value: Proximal_Colon
PWY.6317
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

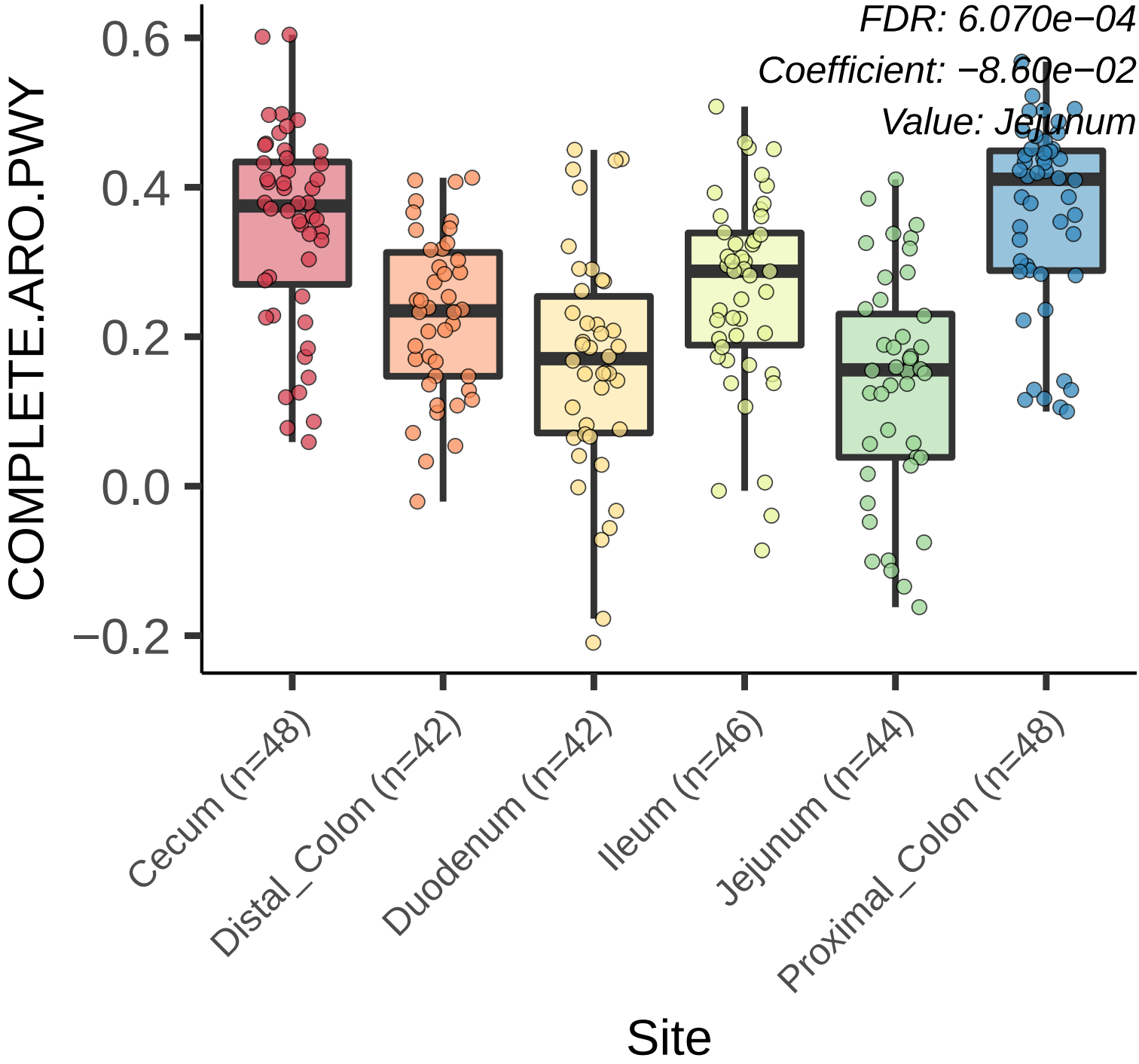

FDR: 5.128e−04
Coefficient: −1.59e−01
Value: Duodenum
PYRIDNUCSAL.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

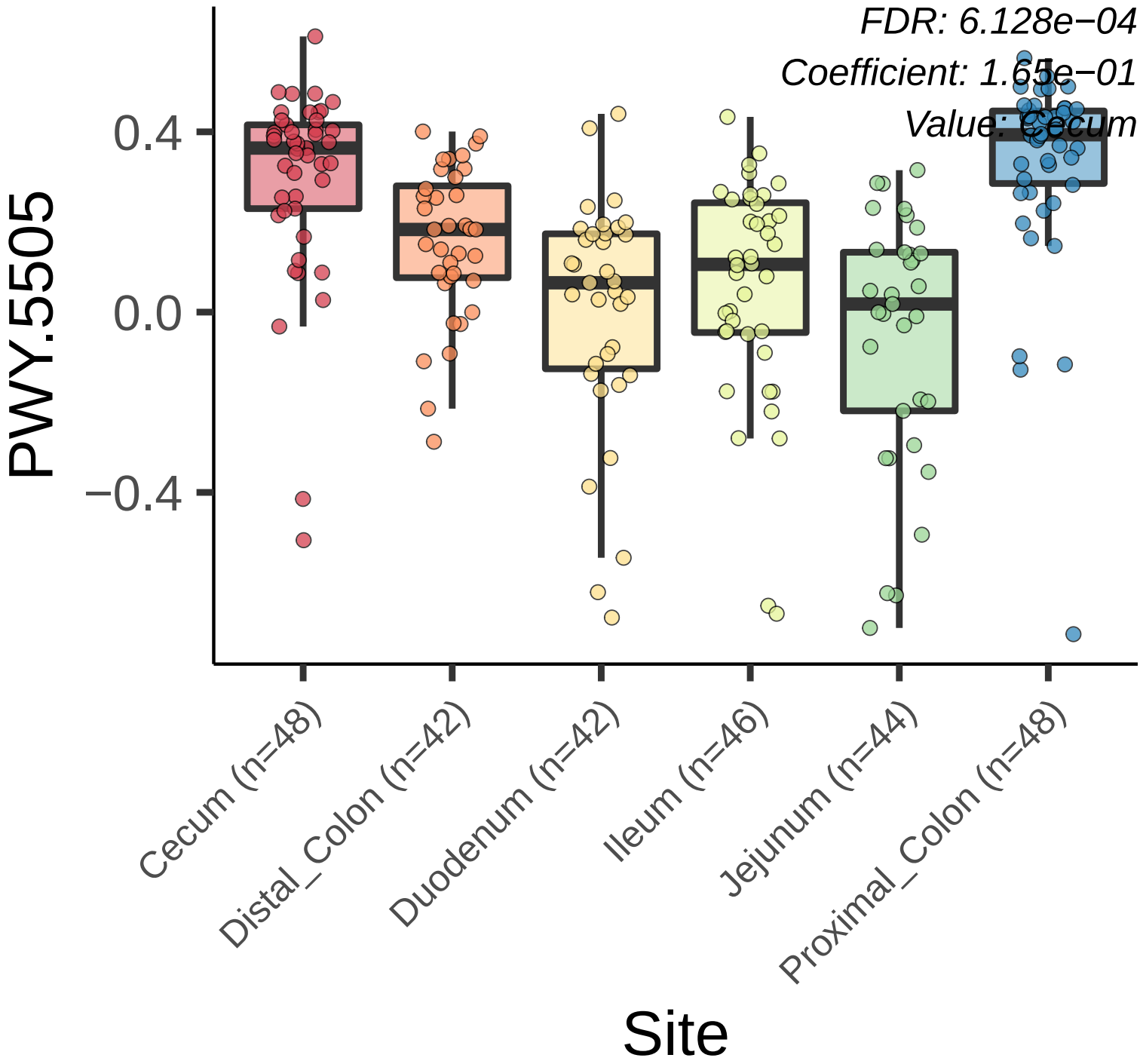

FDR: 5.282e−04
Coefficient: 2.75e−01
Value: Proximal_Colon
P164.PWY
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

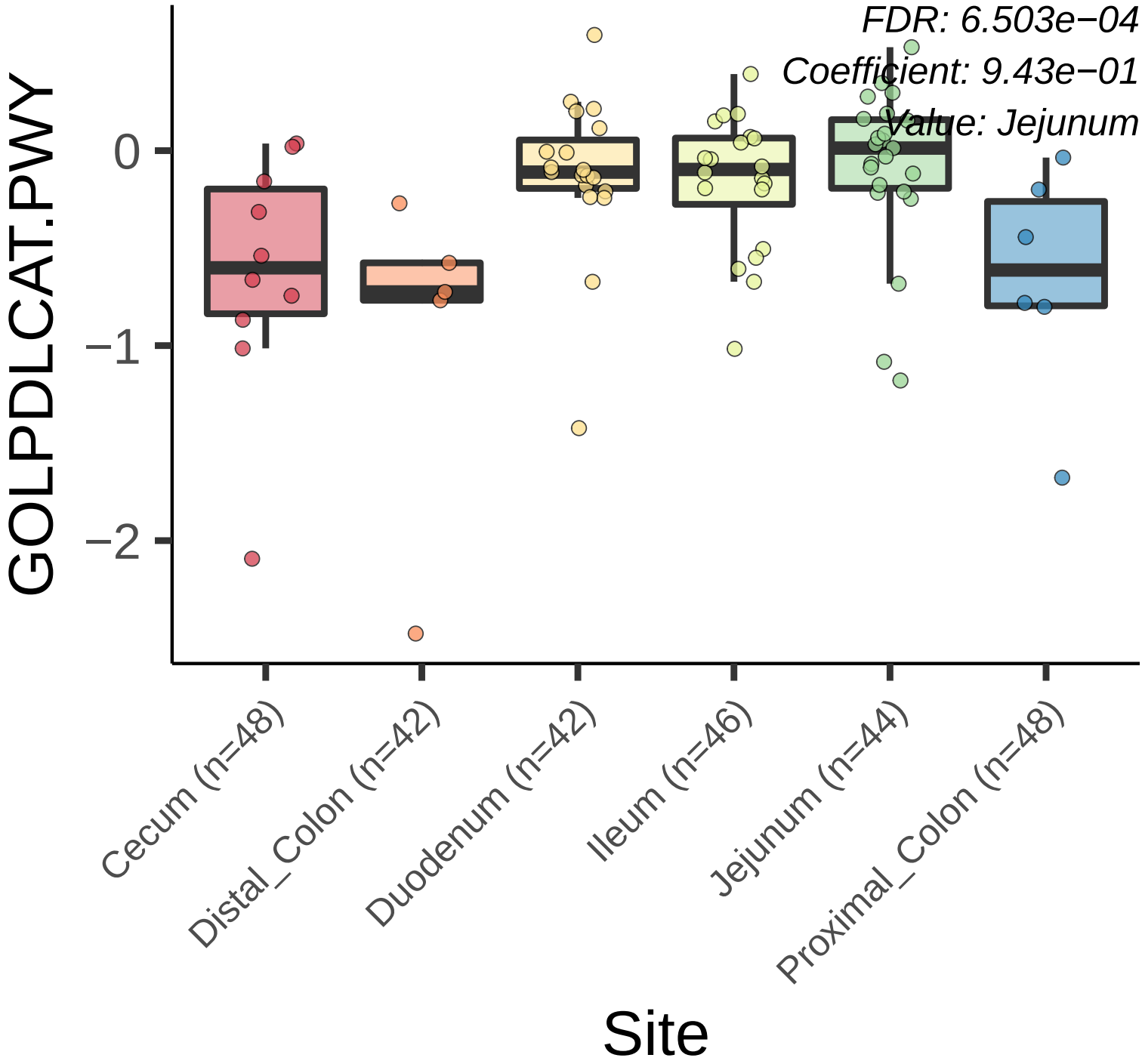

FDR: 5.493e−04
Coefficient: 5.61e−02
Value: Duodenum
TRNA.CHARGING.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

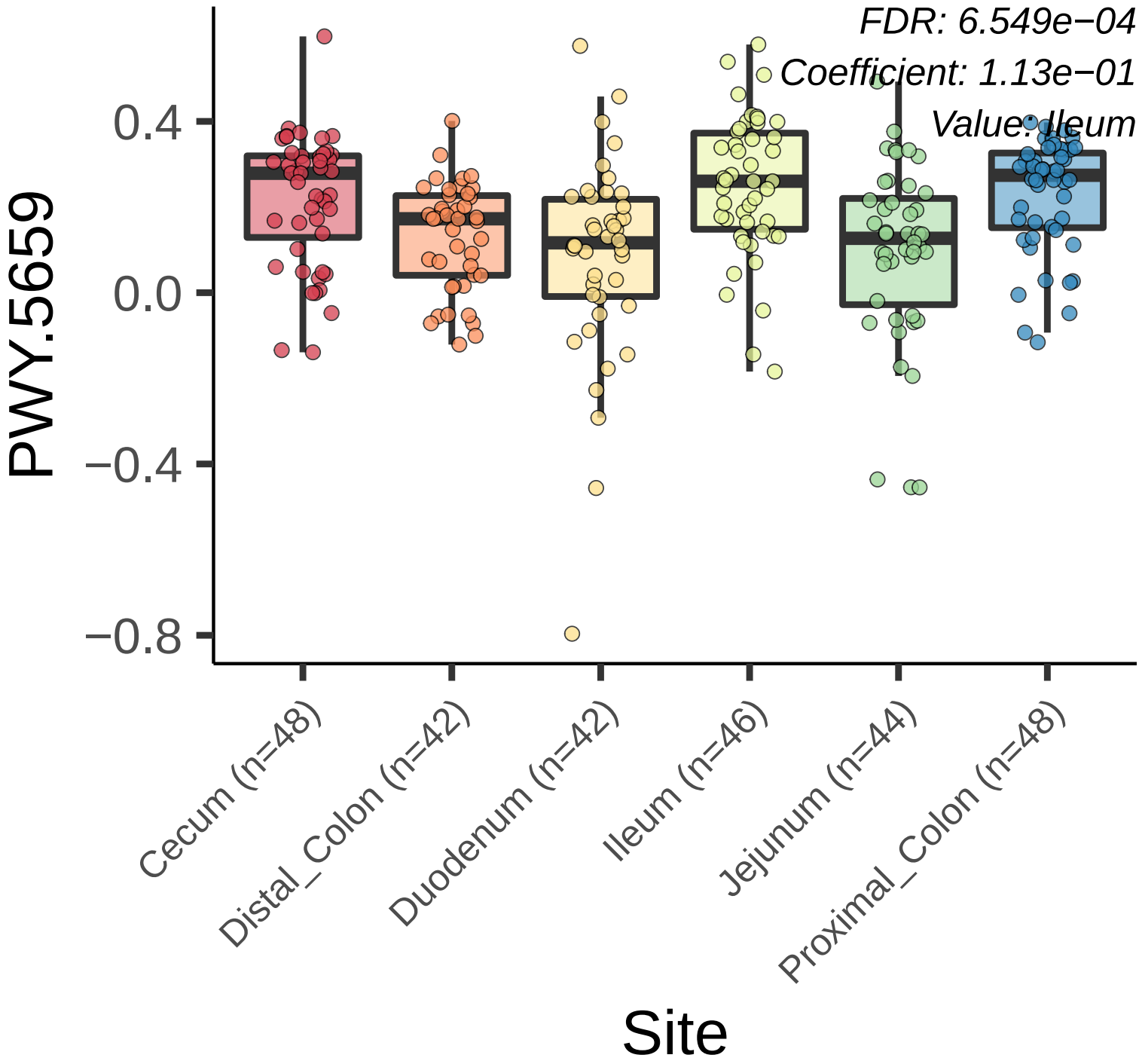

FDR: 5.635e−04
Coefficient: 2.15e−01
Value: Proximal_Colon
GALACTUROCAT.PWY
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

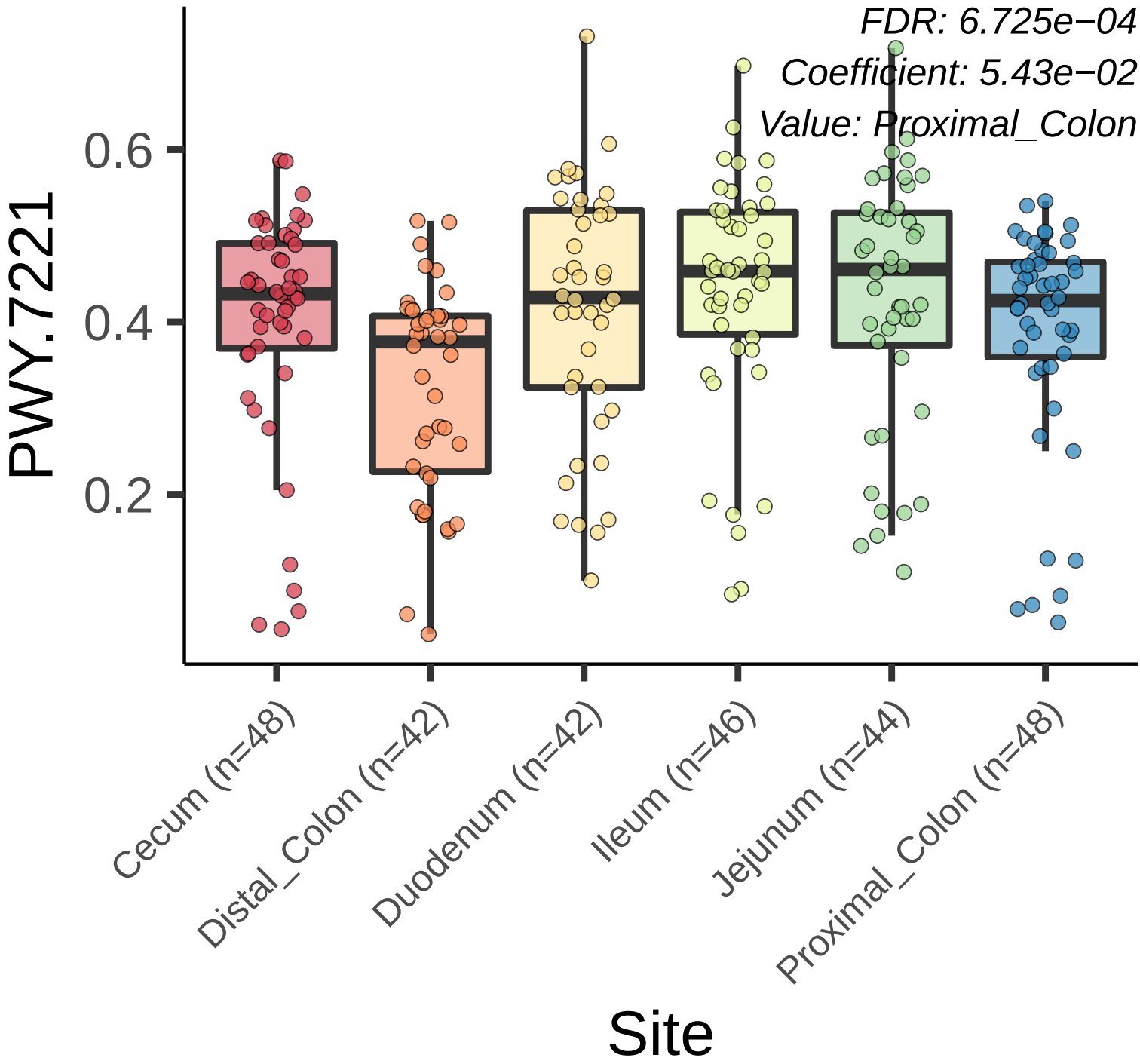

FDR: 5.782e−04
Coefficient: 3.15e−01
Value: Proximal_Colon
SULFATE.CYS.PWY
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

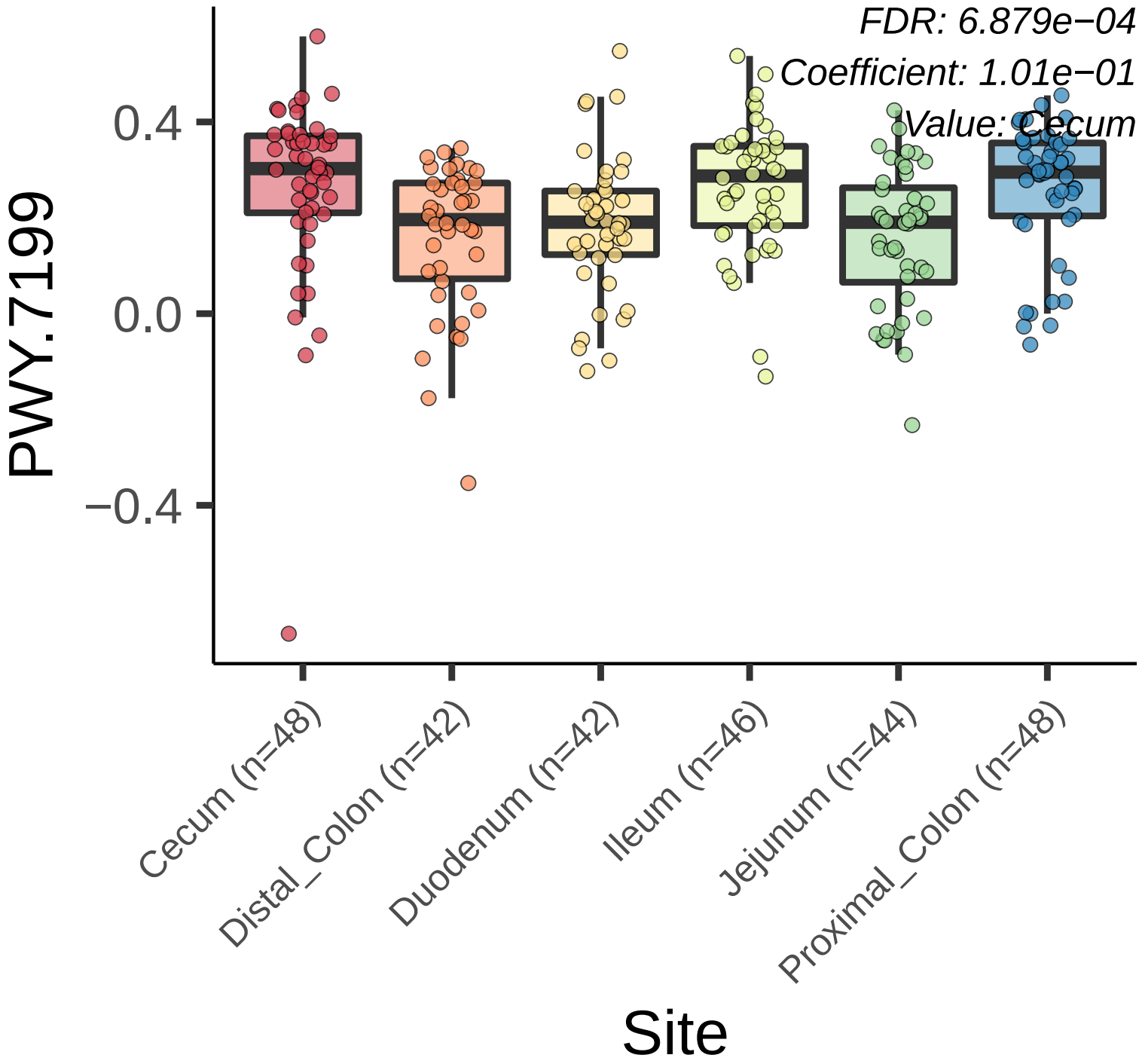

FDR: 6.070e−04
Coefficient: −8.60e−02
Value: Jejunum
COMPLETE.ARO.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

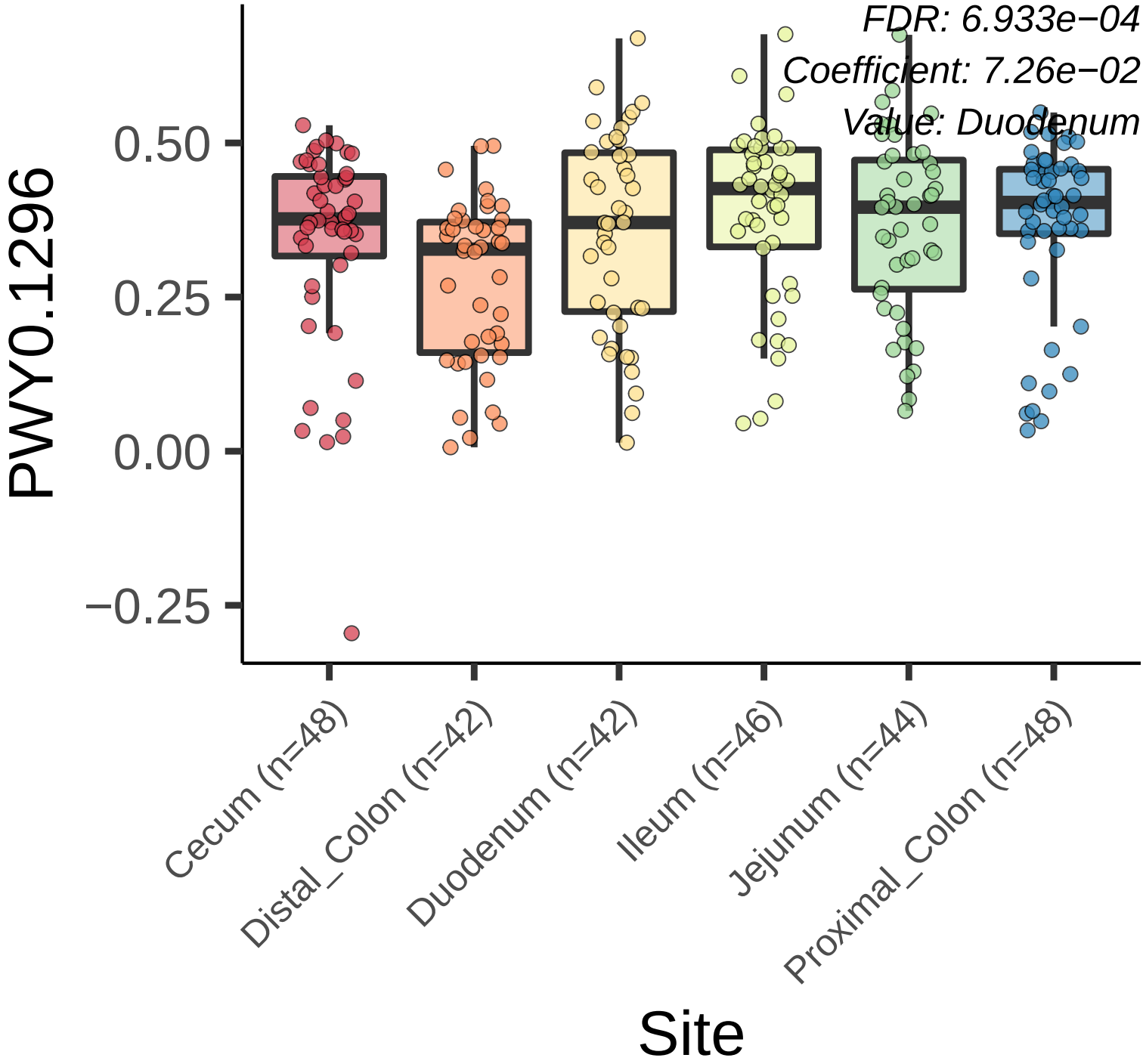

FDR: 6.128e−04
Coefficient: 1.65e−01
Value: Cecum
PWY.5505
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

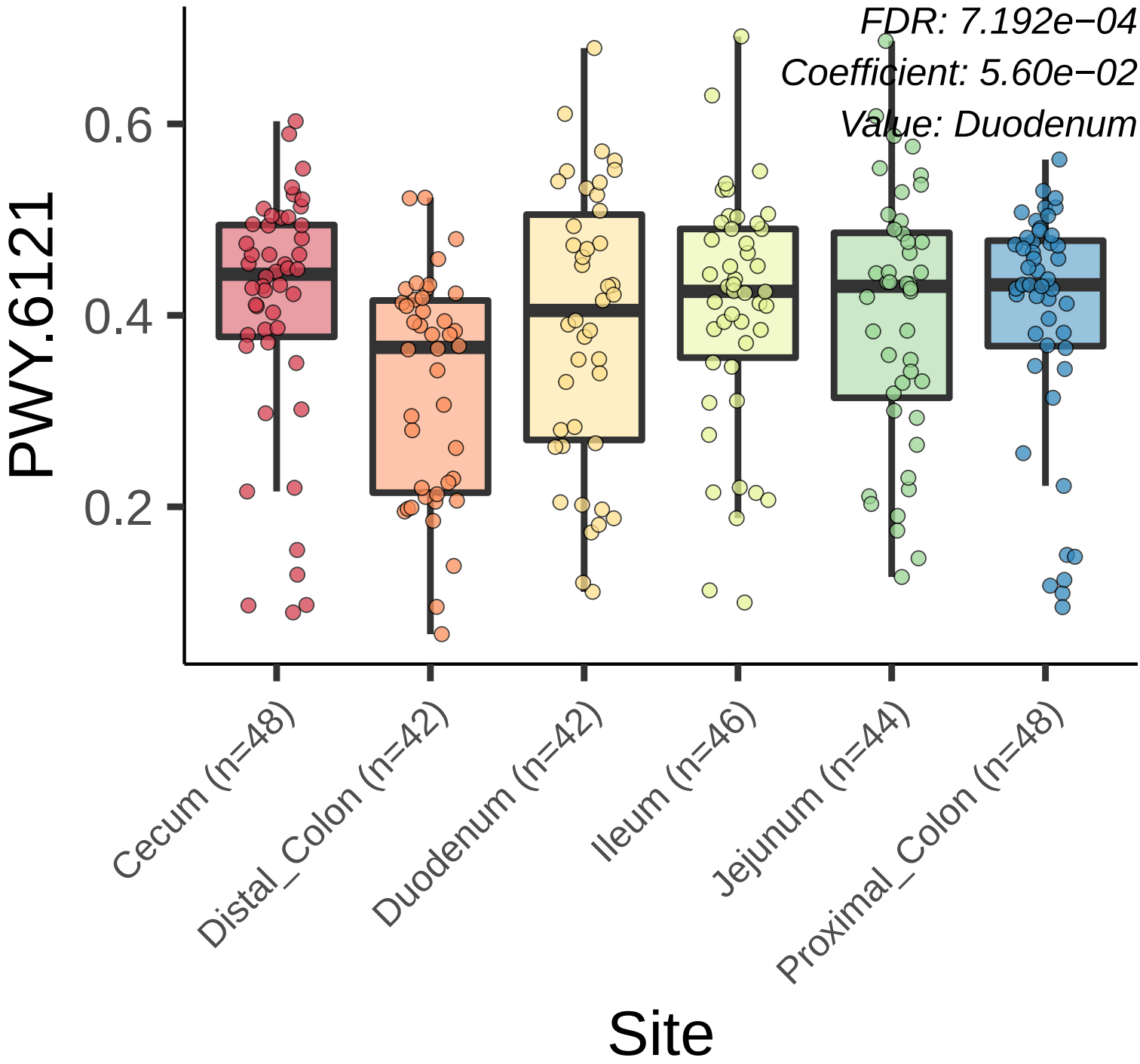

FDR: 6.503e−04
Coefficient: 9.43e−01
Value: Jejunum
GOLPDLCAT.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

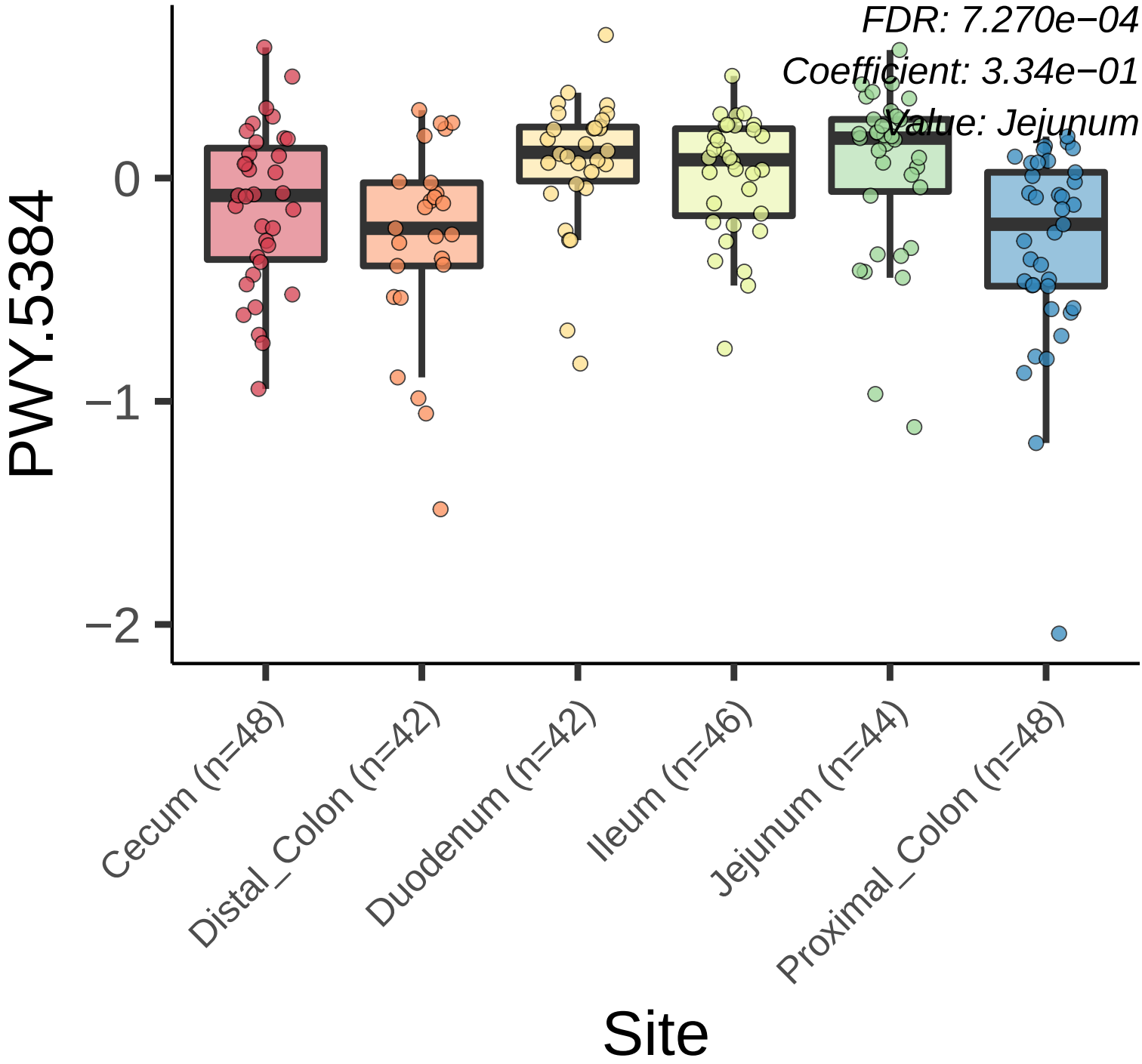

FDR: 6.549e−04
Coefficient: 1.13e−01
Value: Ileum
PWY.5659
0.4
0.0
−0.4
−0.8
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

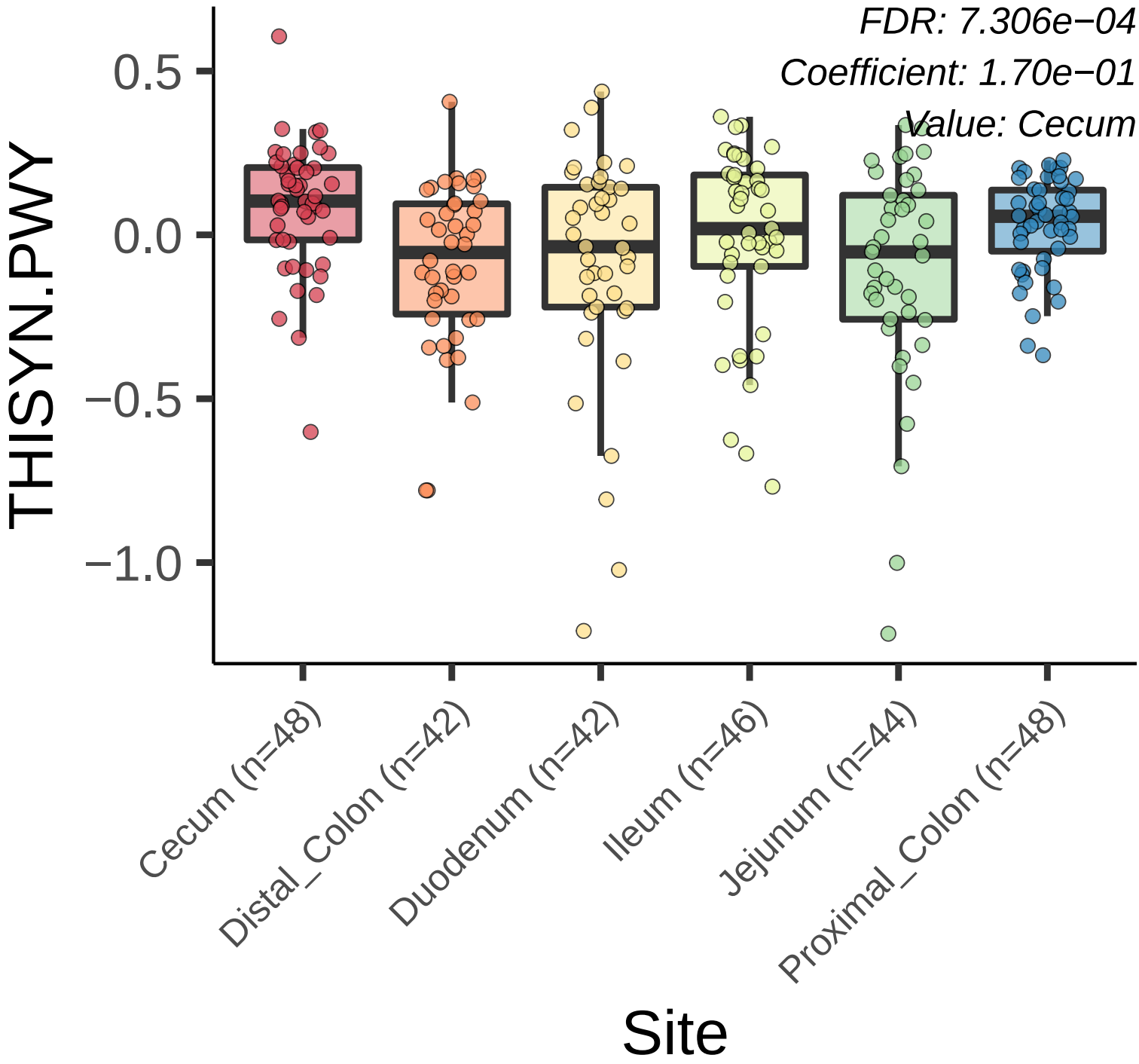

FDR: 6.725e−04
Coefficient: 5.43e−02
Value: Proximal_Colon
PWY.7221
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

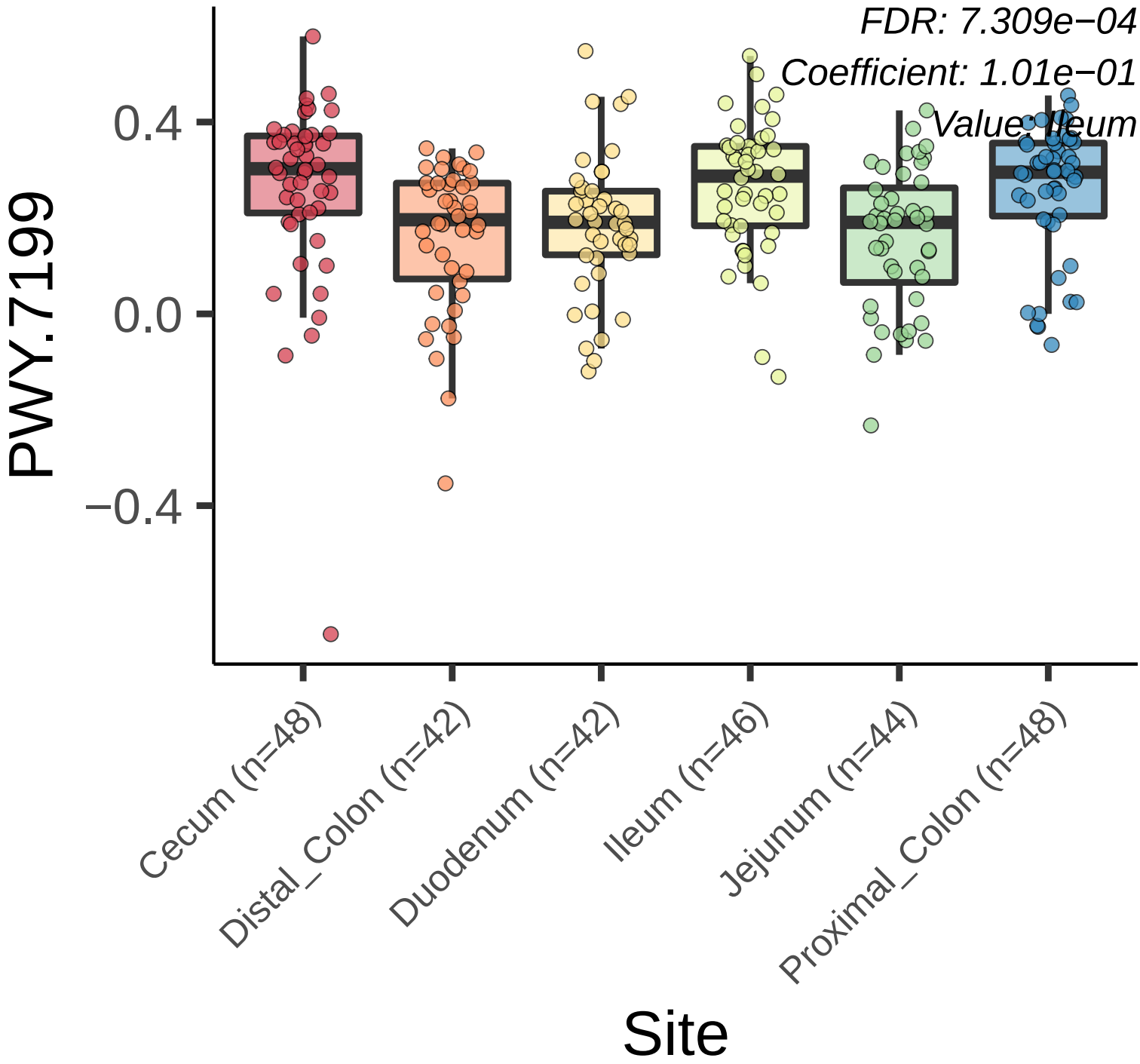

FDR: 6.879e−04
Coefficient: 1.01e−01
Value: Cecum
PWY.7199
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

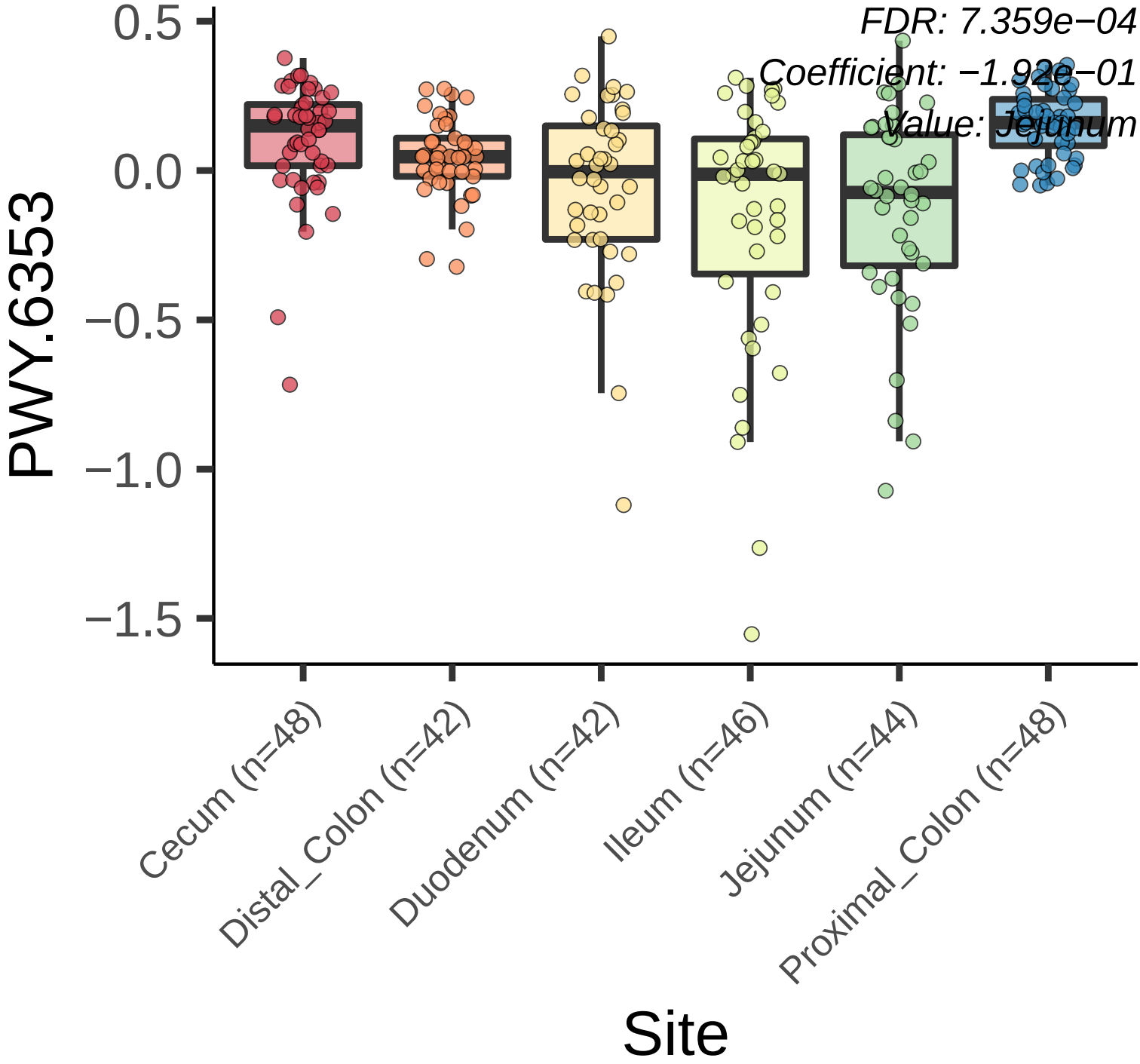

FDR: 6.933e−04
Coefficient: 7.26e−02
Value: Duodenum
PWY0.1296
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

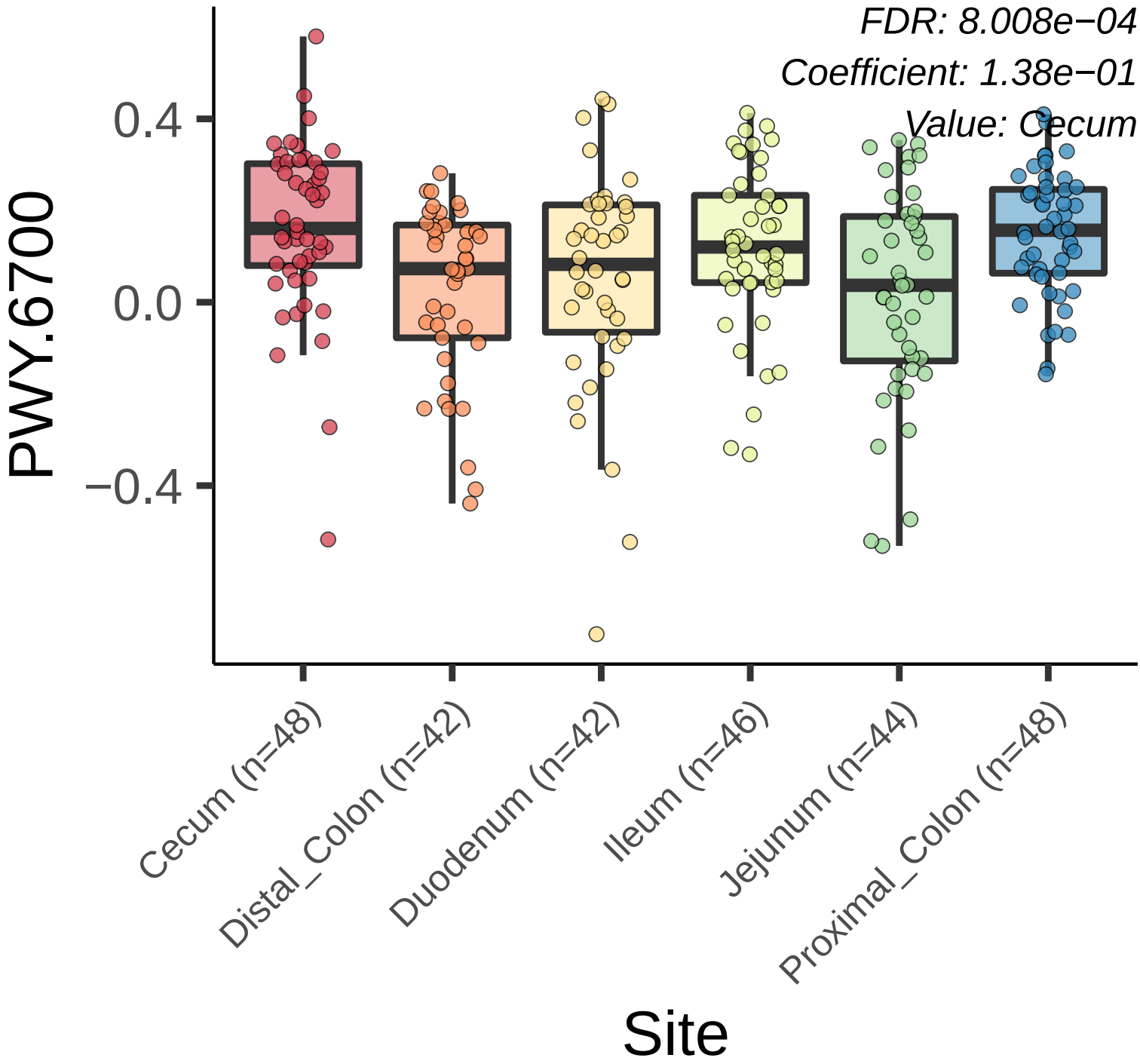

FDR: 7.192e−04
Coefficient: 5.60e−02
Value: Duodenum
PWY.6121
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

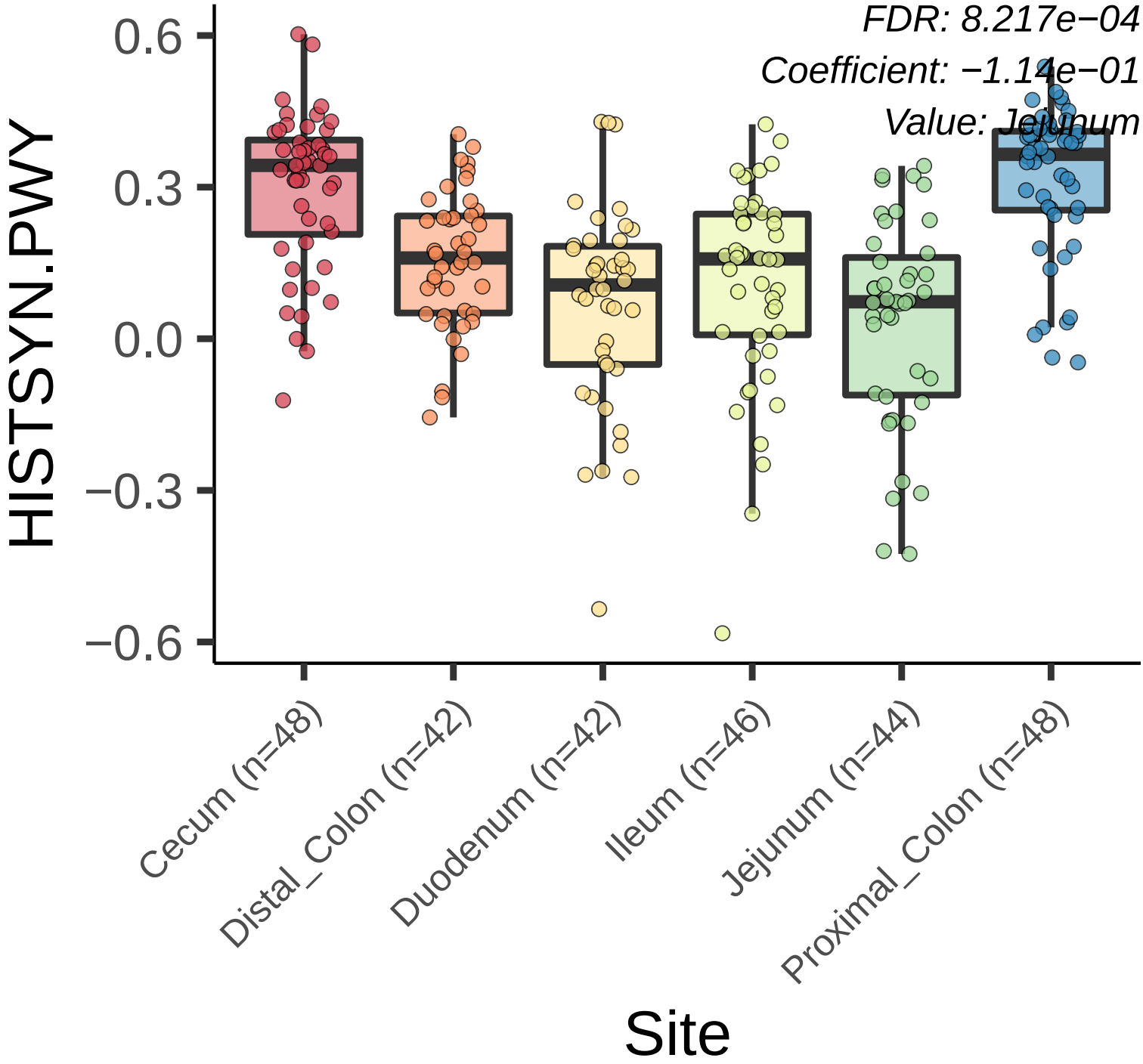

FDR: 7.270e−04
Coefficient: 3.34e−01
Value: Jejunum
PWY.5384
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

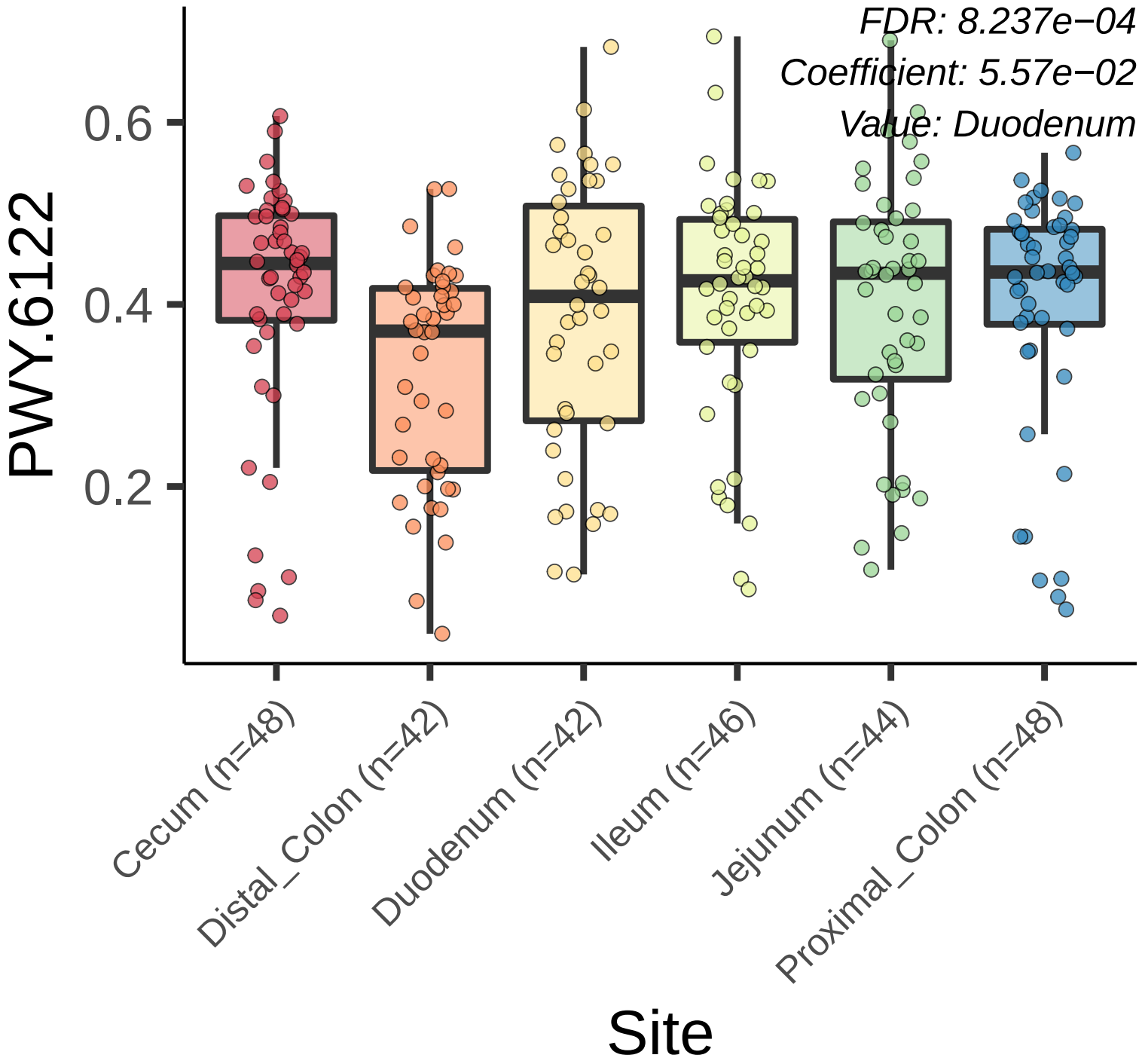

FDR: 7.306e−04
Coefficient: 1.70e−01
Value: Cecum
THISYN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

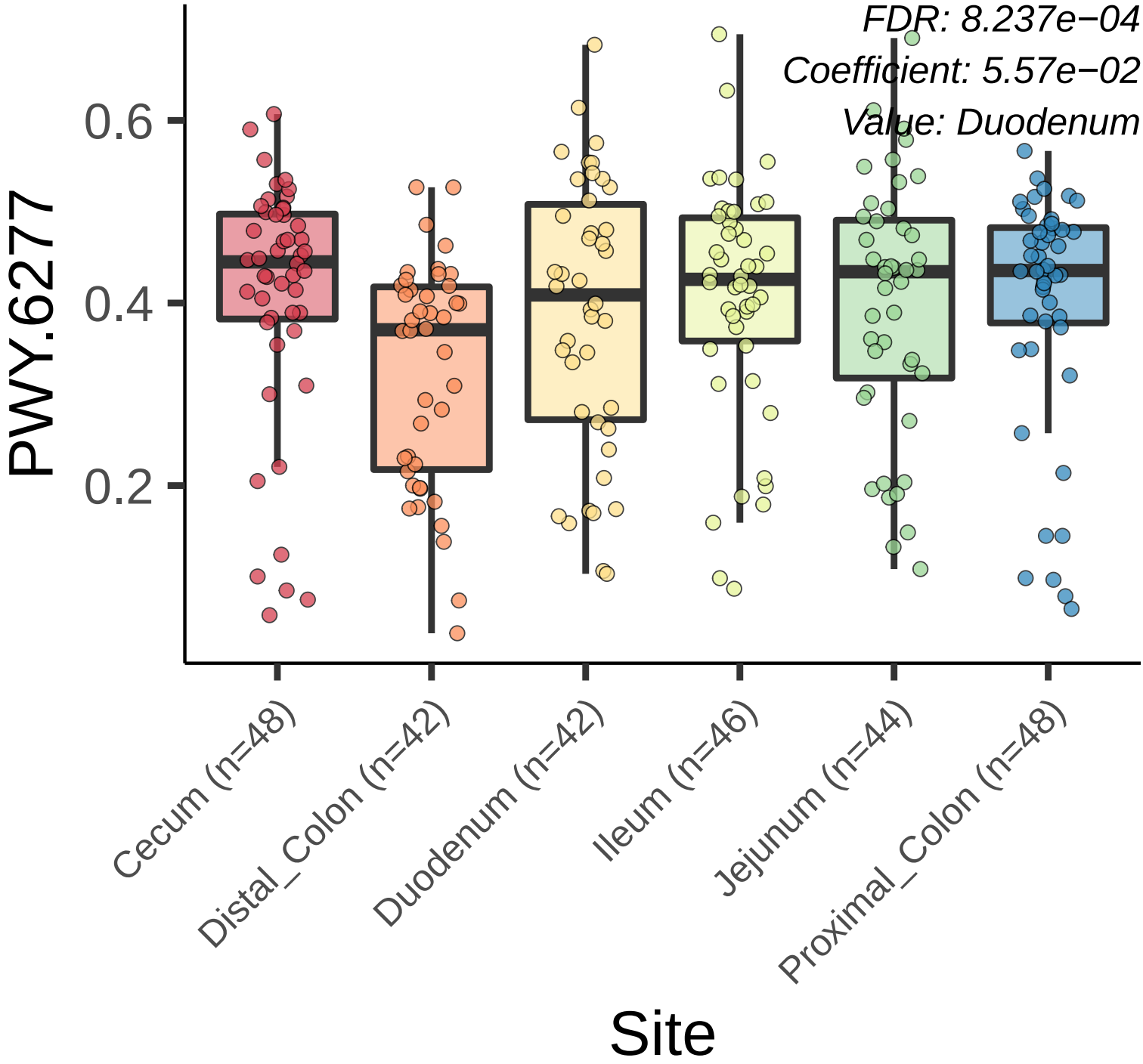

FDR: 7.309e−04
Coefficient: 1.01e−01
Value: Ileum
PWY.7199
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

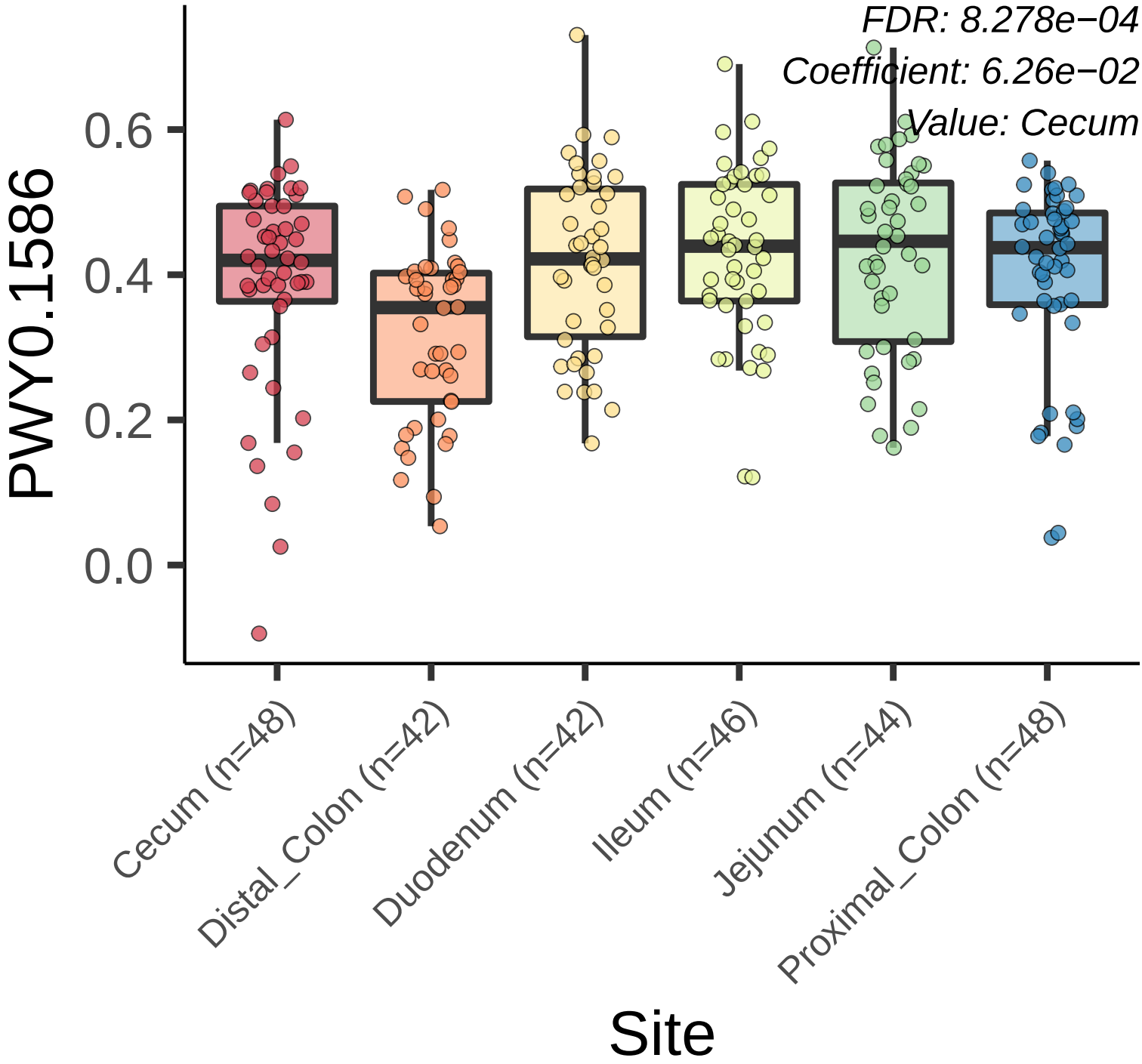

FDR: 7.359e−04
Coefficient: −1.92e−01
Value: Jejunum
PWY.6353
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

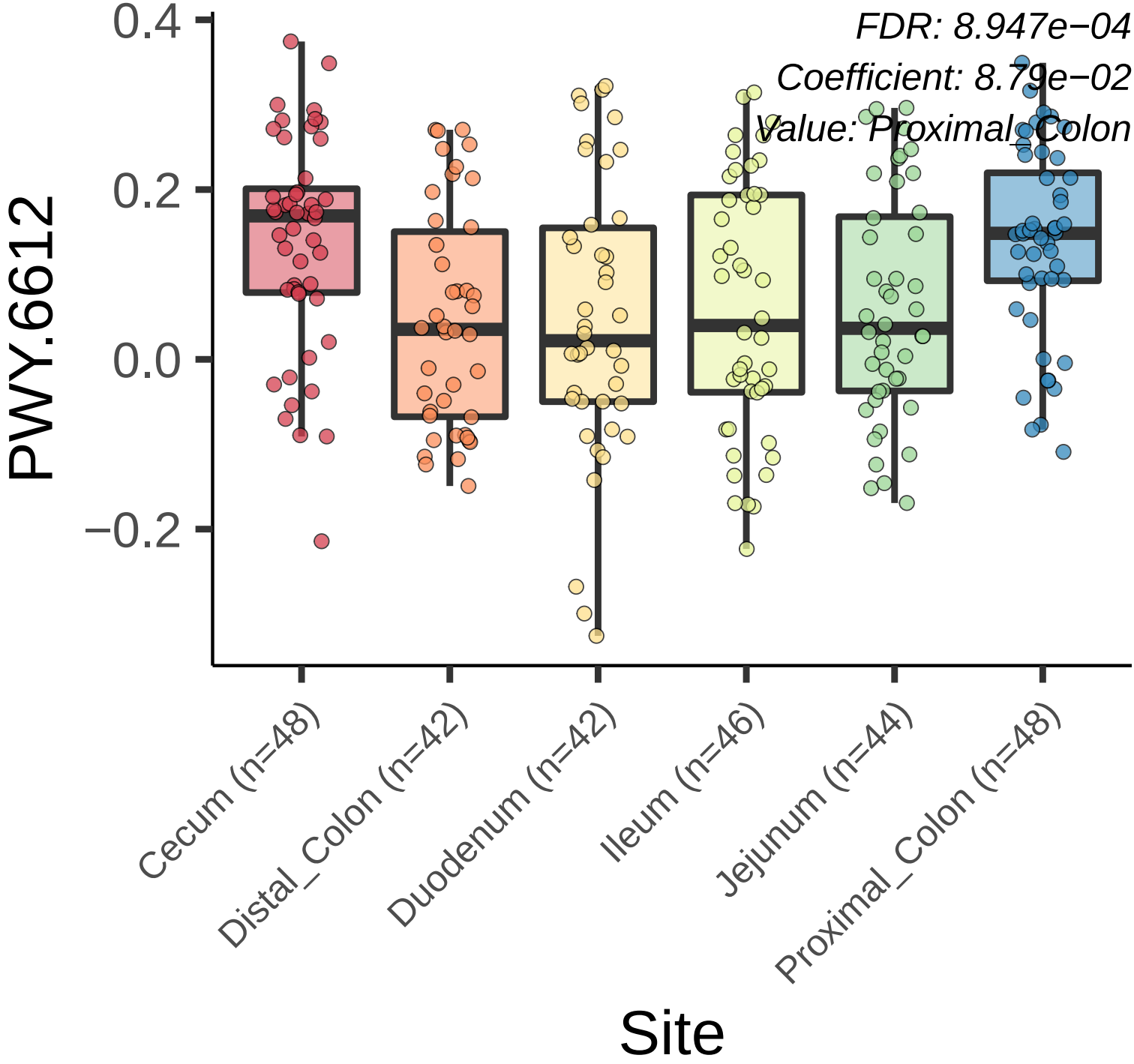

FDR: 8.008e−04
Coefficient: 1.38e−01
Value: Cecum
PWY.6700
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

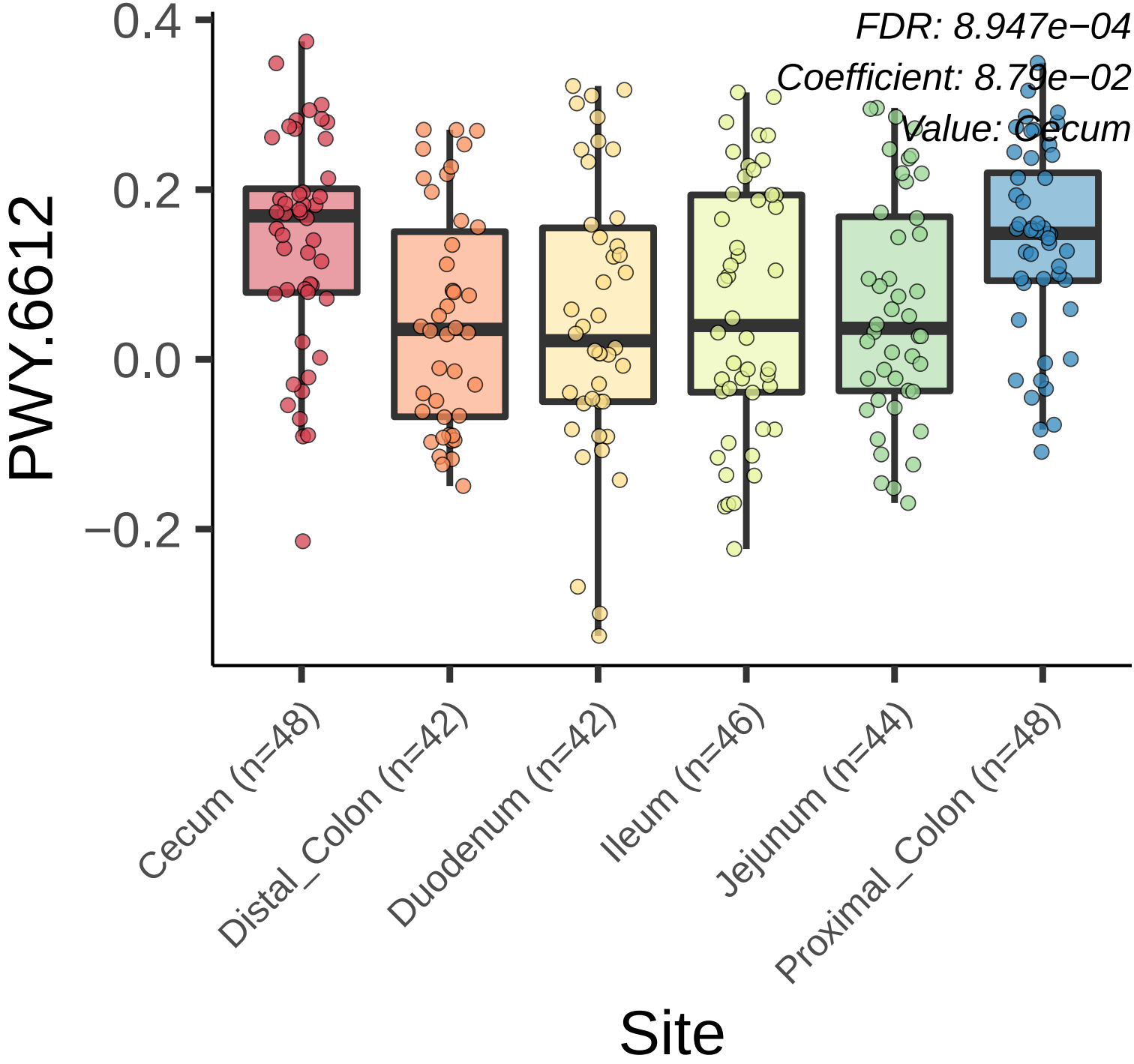

FDR: 8.217e−04
Coefficient: −1.14e−01
Value: Jejunum
HISTSYN.PWY
0.6
0.3
0.0
−0.3
−0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

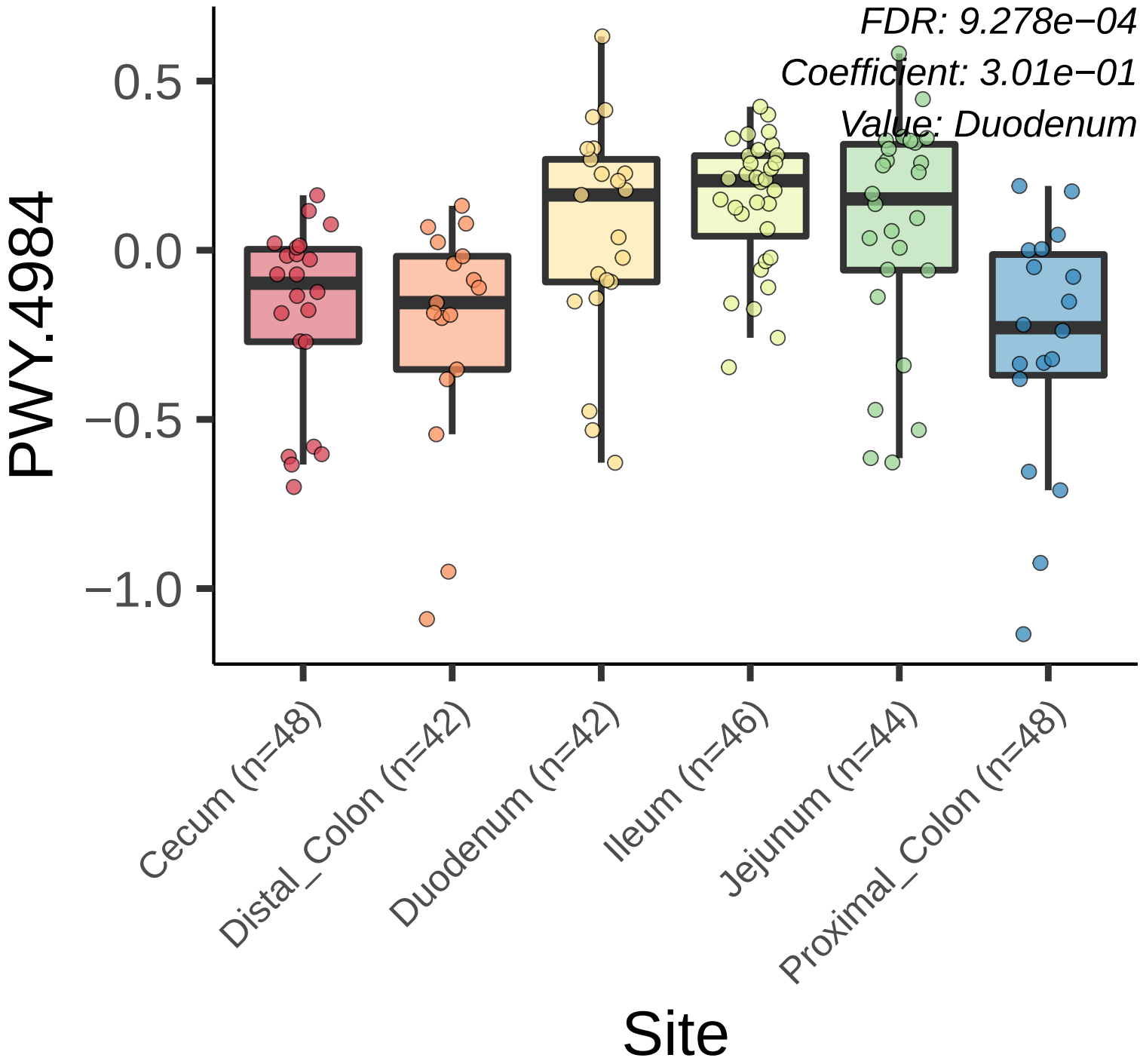

FDR: 8.237e−04
Coefficient: 5.57e−02
Value: Duodenum
PWY.6122
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

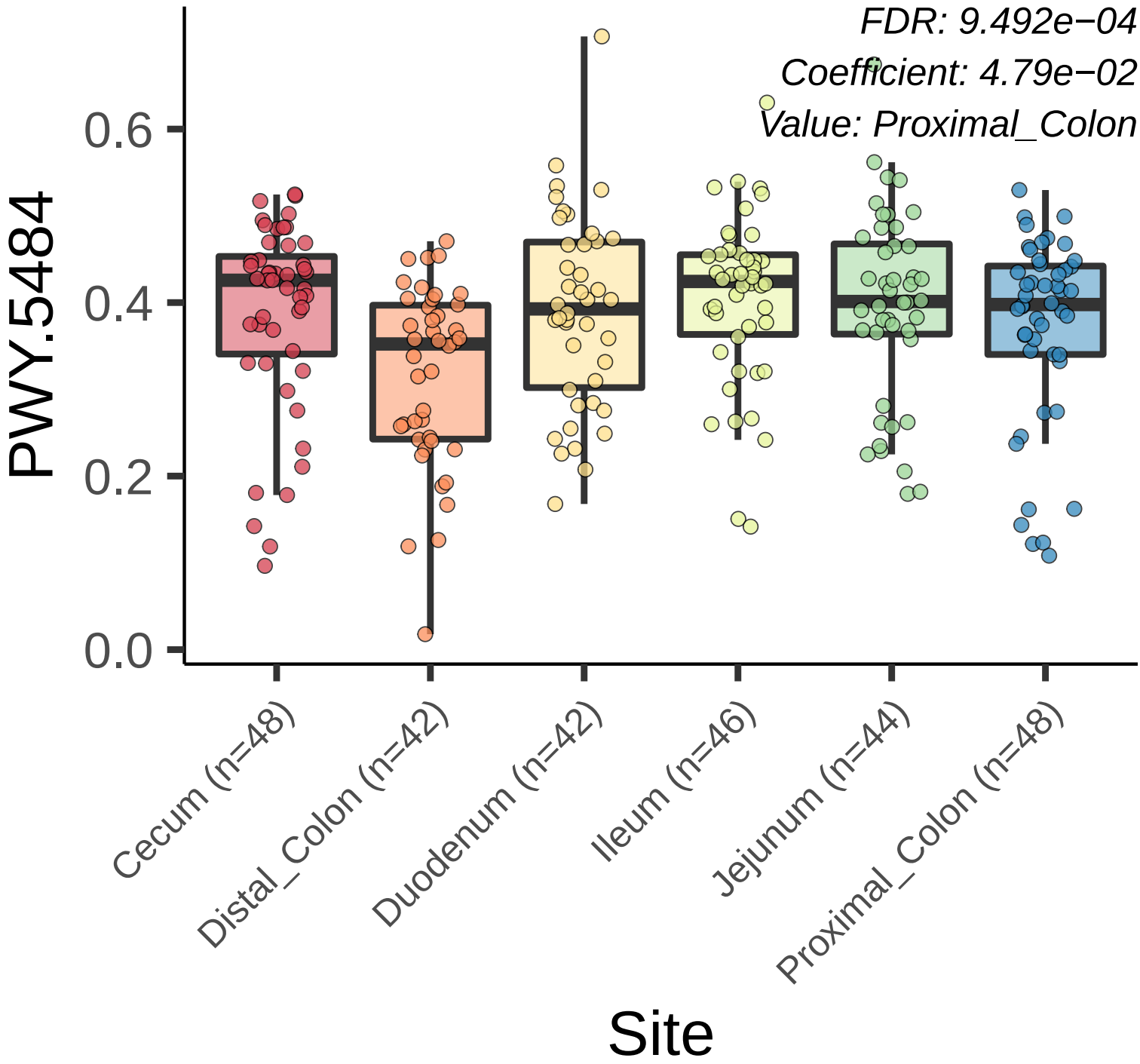

FDR: 8.237e−04
Coefficient: 5.57e−02
Value: Duodenum
PWY.6277
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

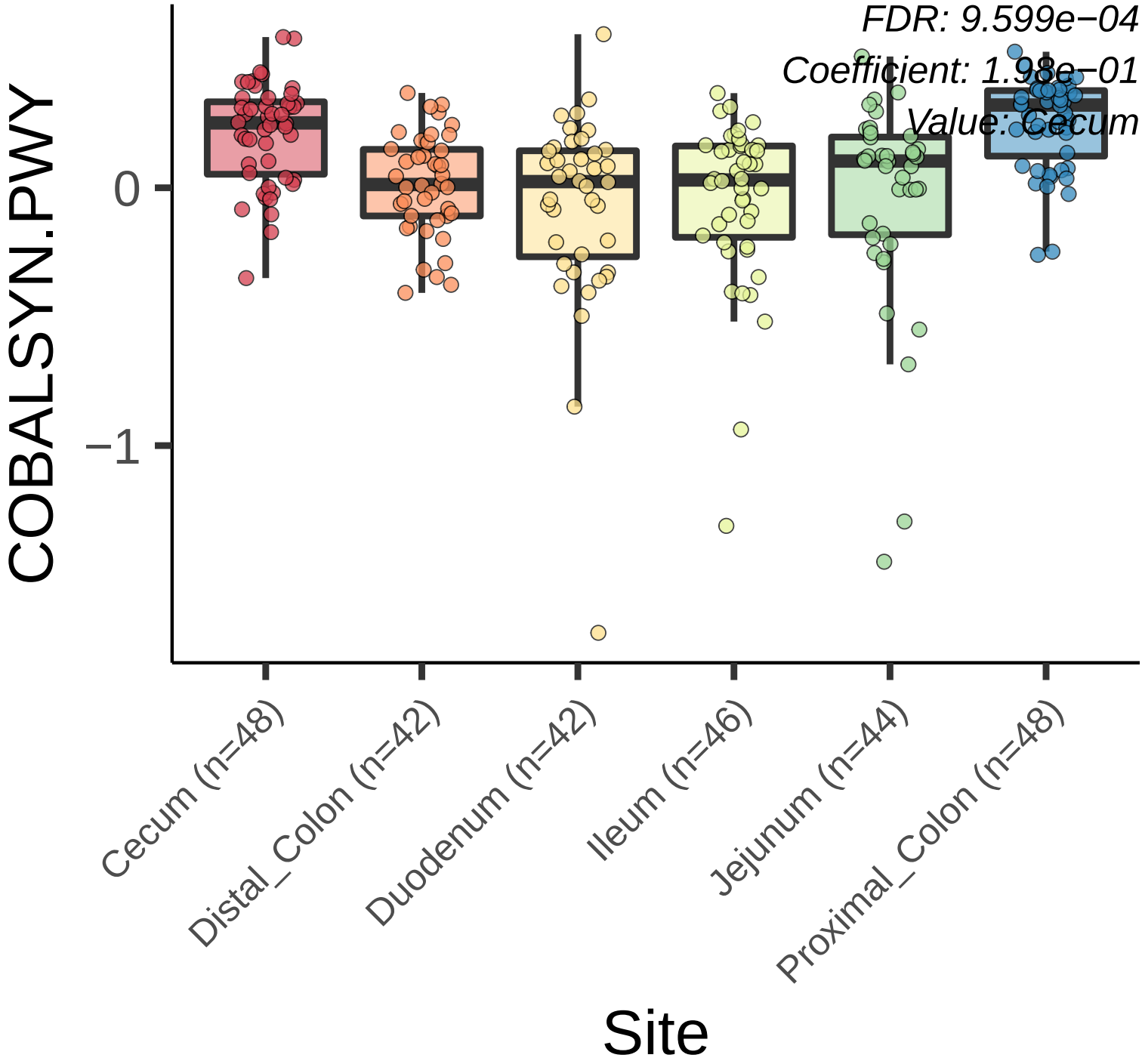

FDR: 8.278e−04
Coefficient: 6.26e−02
Value: Cecum
PWY0.1586
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

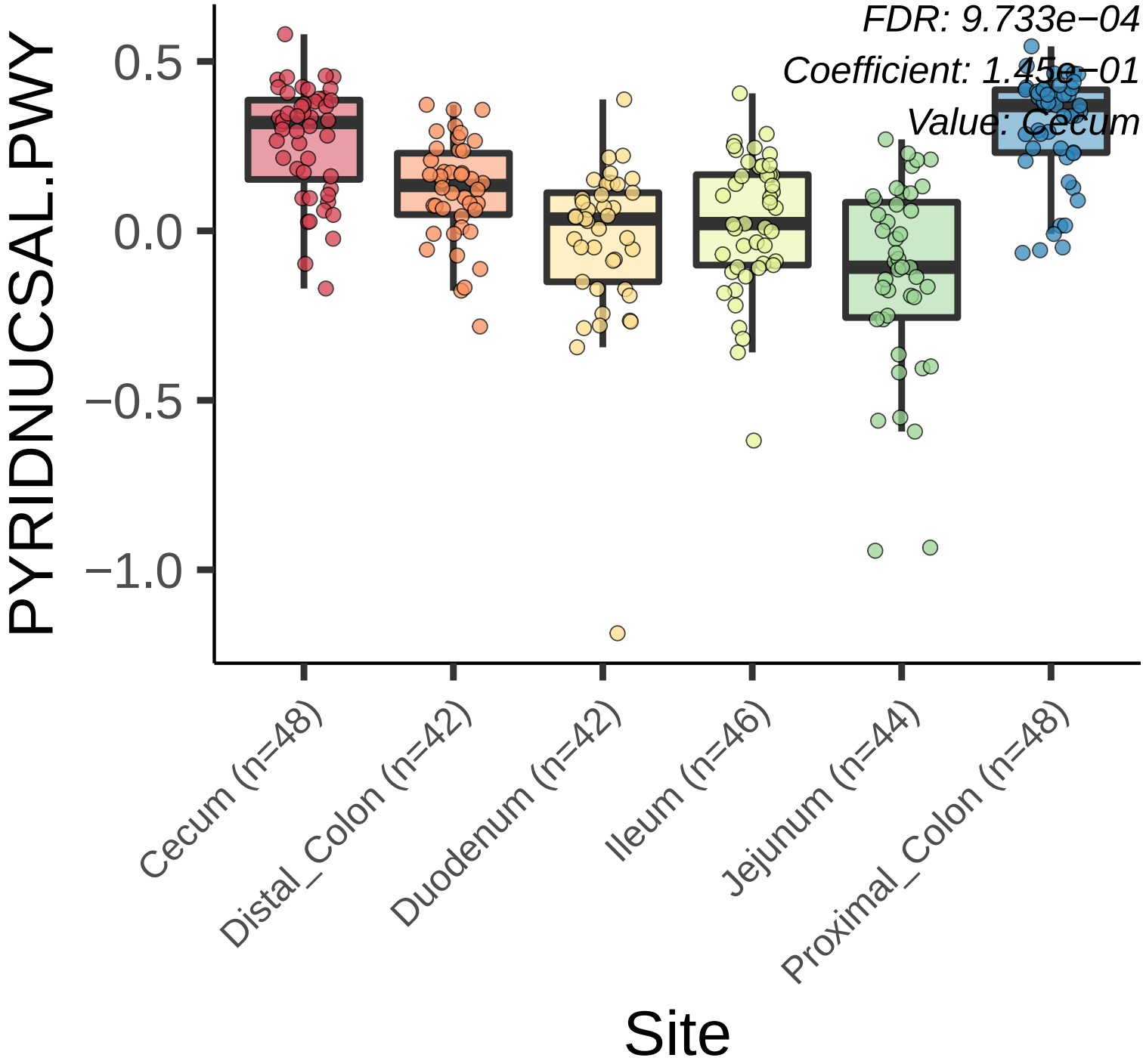

FDR: 8.947e−04
Coefficient: 8.79e−02
Value: Proximal_Colon
PWY.6612
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

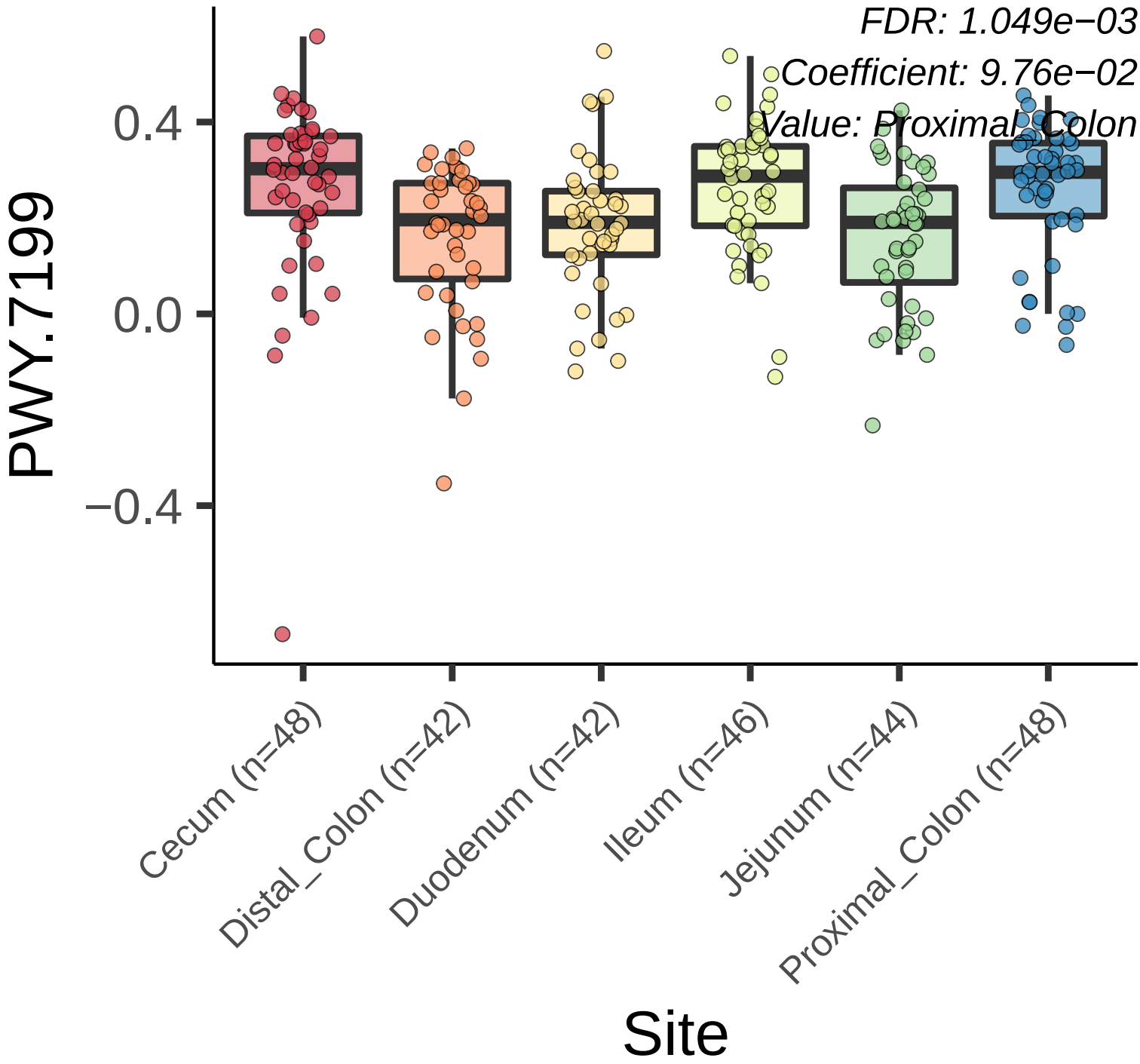

FDR: 8.947e−04
Coefficient: 8.79e−02
Value: Cecum
PWY.6612
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

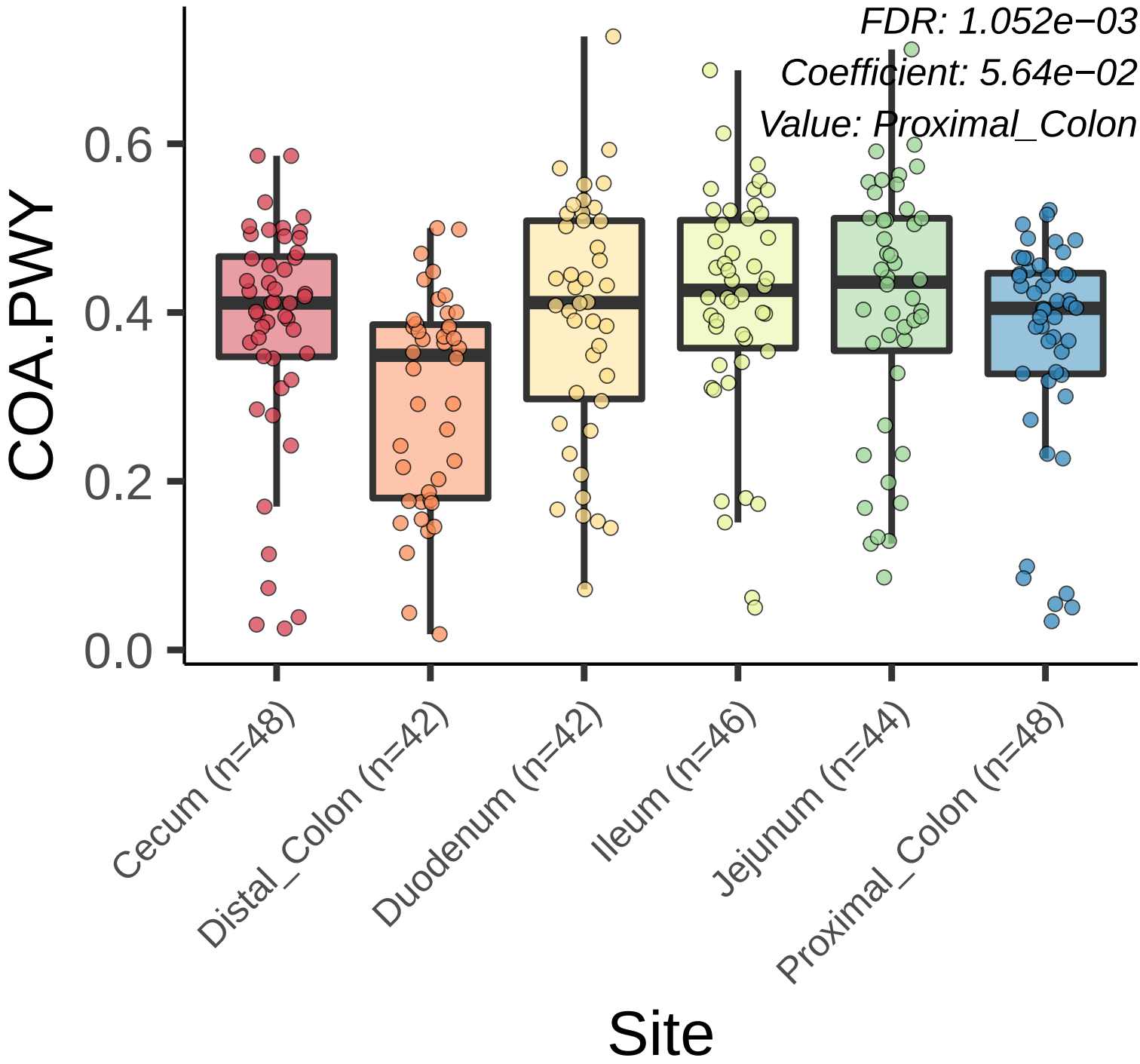

FDR: 9.278e−04
Coefficient: 3.01e−01
Value: Duodenum
PWY.4984
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

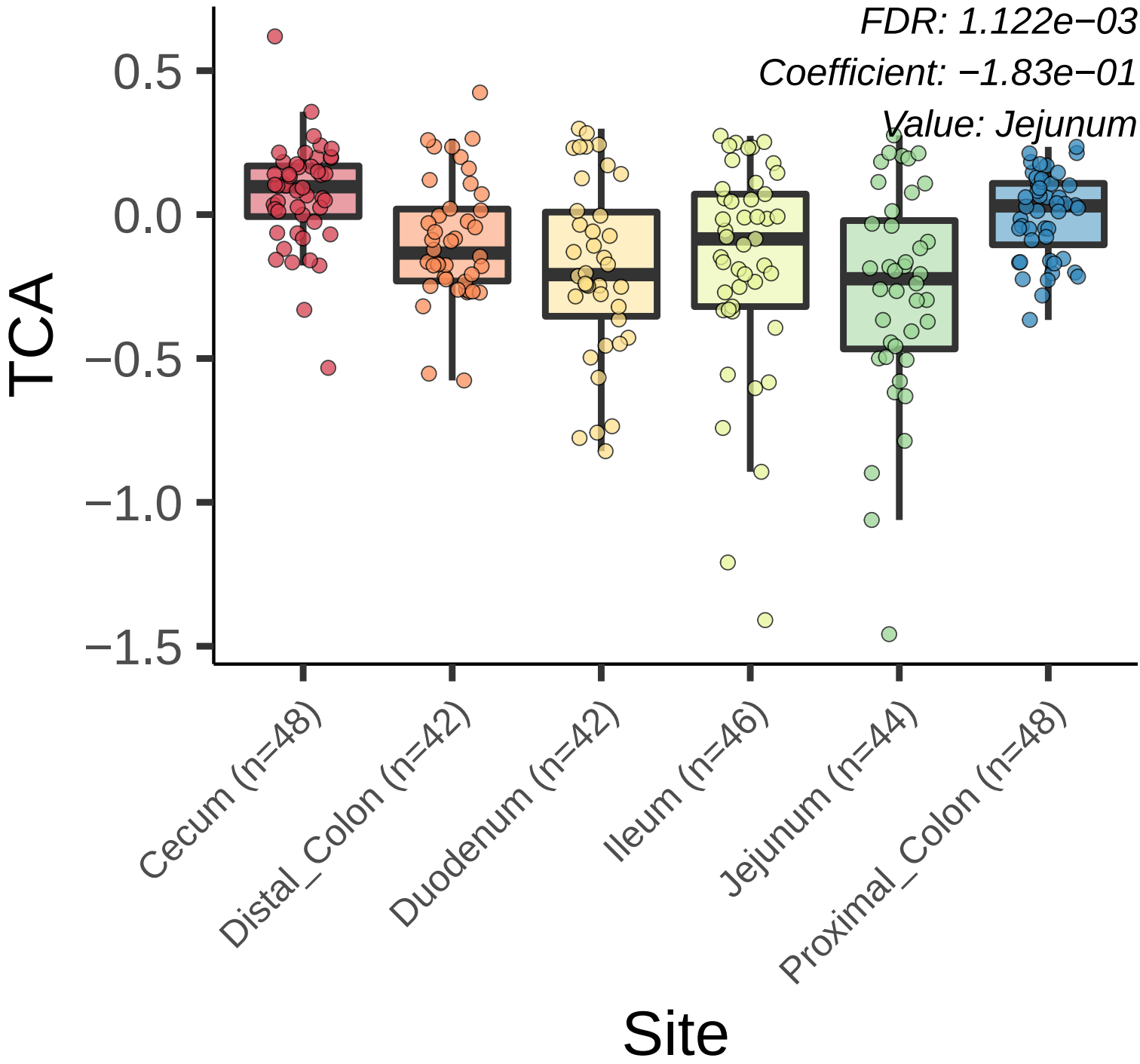

FDR: 9.492e−04
Coefficient: 4.79e−02
Value: Proximal_Colon
PWY.5484
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

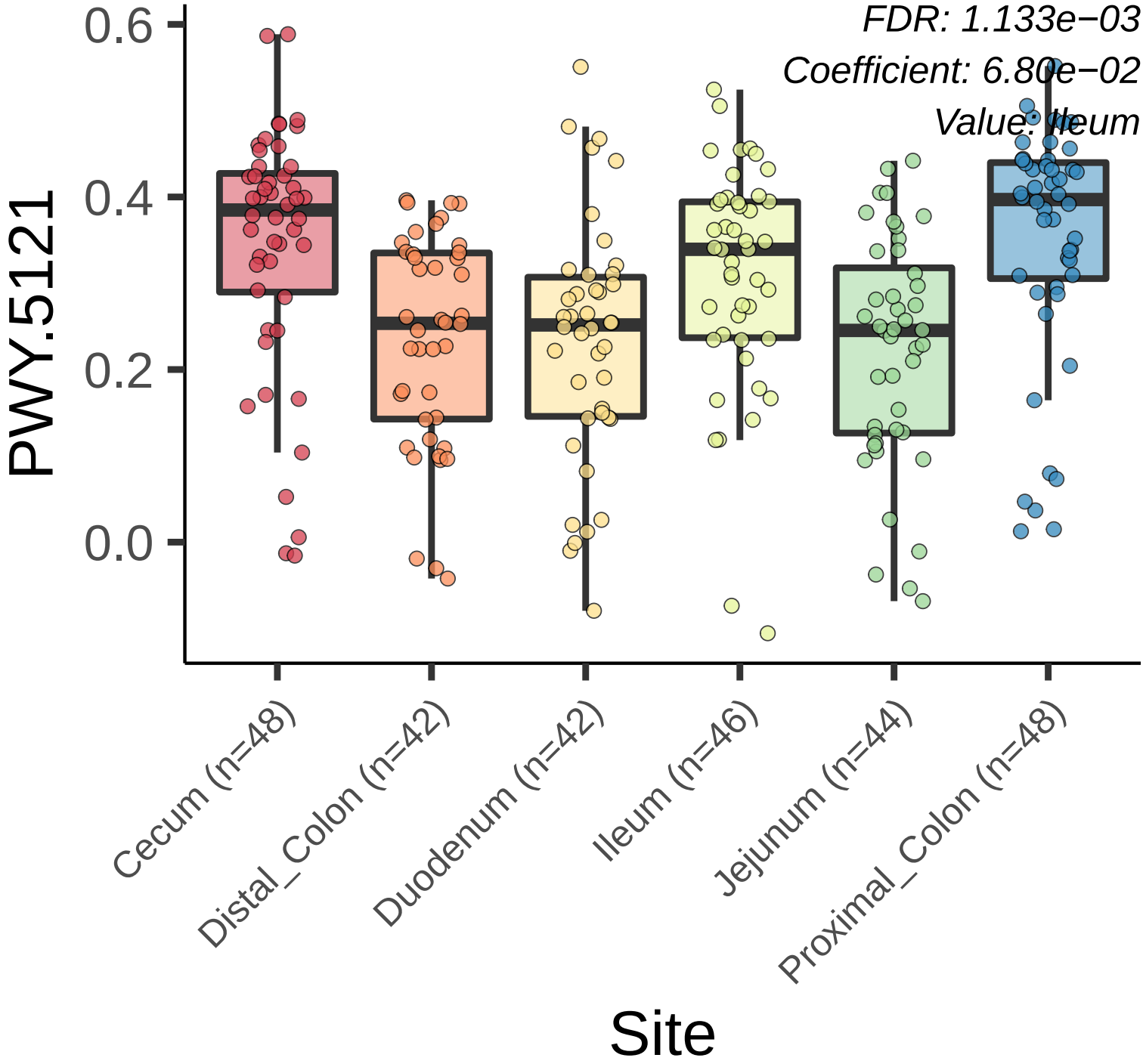

FDR: 9.599e−04
Coefficient: 1.98e−01
Value: Cecum
COBALSYN.PWY
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

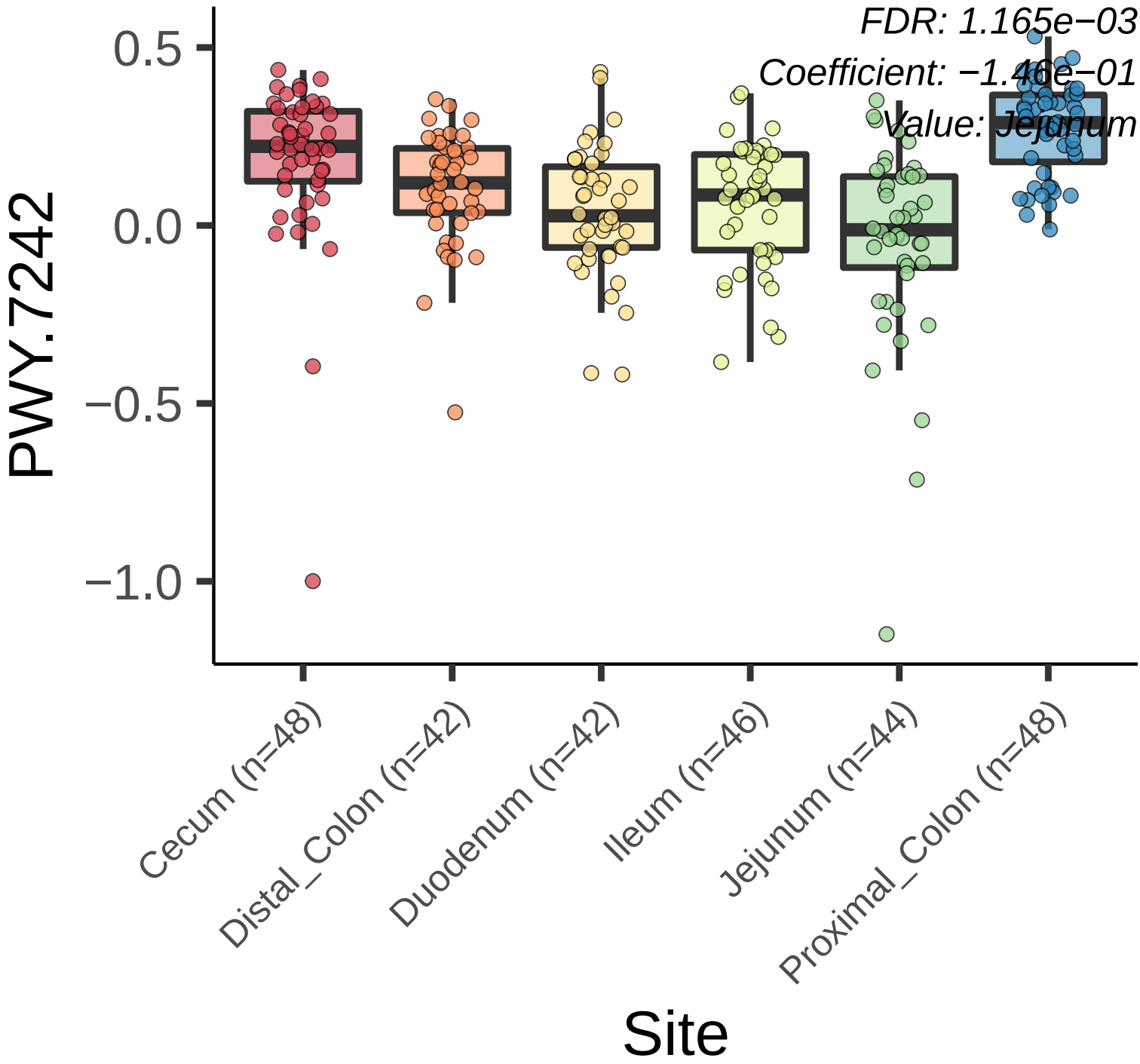

FDR: 9.733e−04
Coefficient: 1.45e−01
Value: Cecum
PYRIDNUCSAL.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

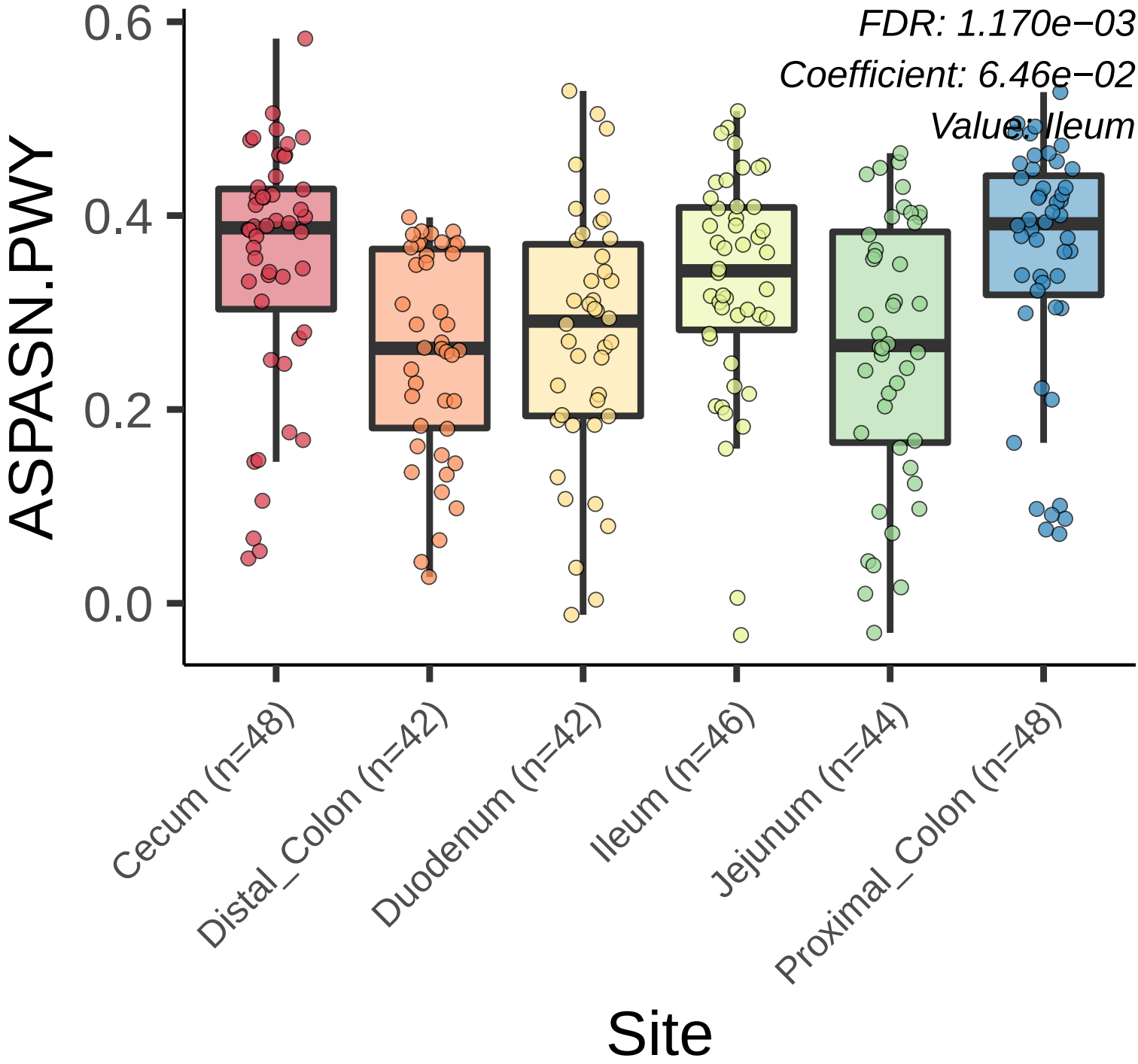

FDR: 1.049e−03
Coefficient: 9.76e−02
Value: Proximal_Colon
PWY.7199
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

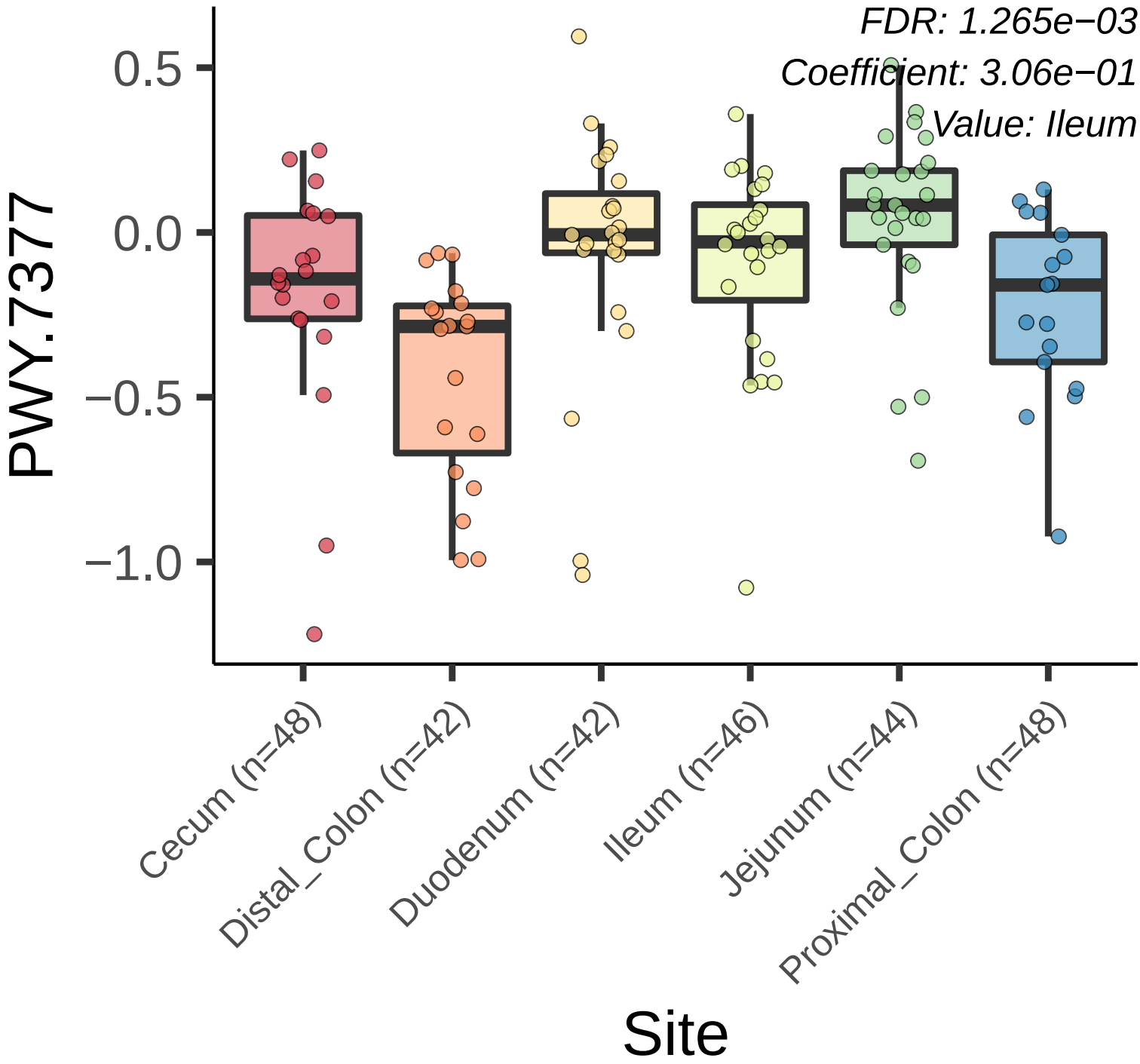

FDR: 1.052e−03
Coefficient: 5.64e−02
Value: Proximal_Colon
COA.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

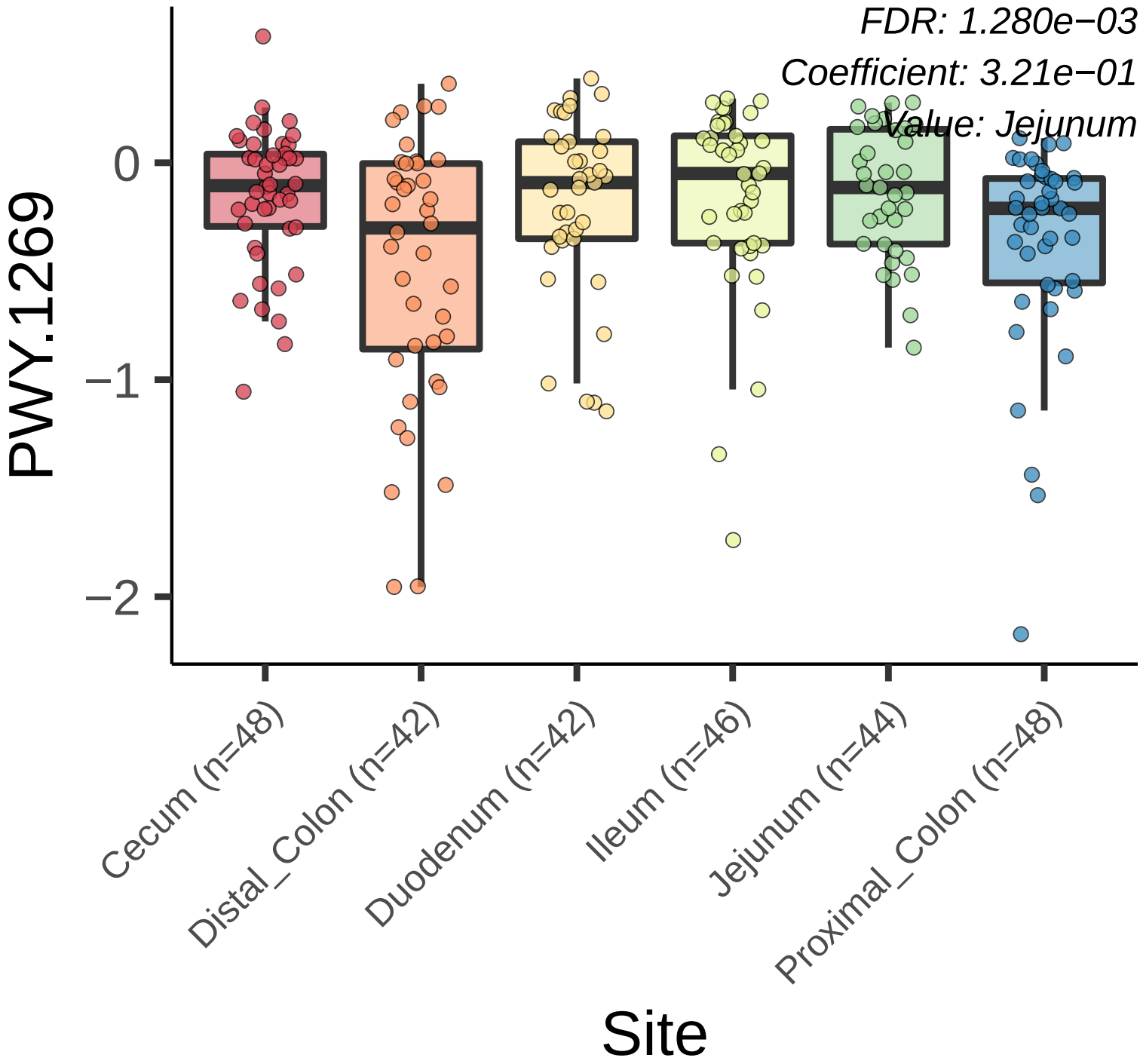

FDR: 1.122e−03
Coefficient: −1.83e−01
Value: Jejunum
TCA
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

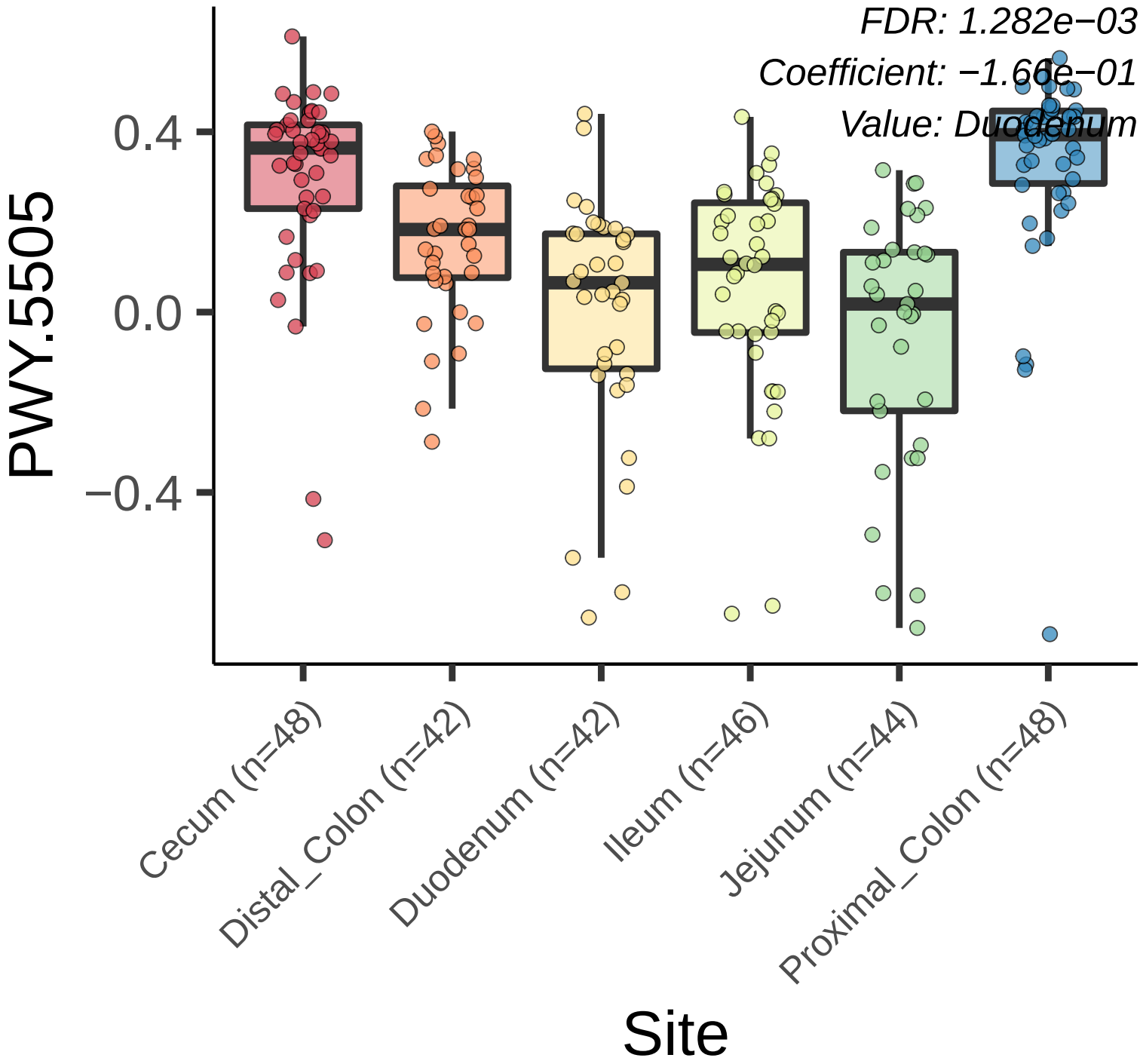

FDR: 1.133e−03
Coefficient: 6.80e−02
Value: Ileum
PWY.5121
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

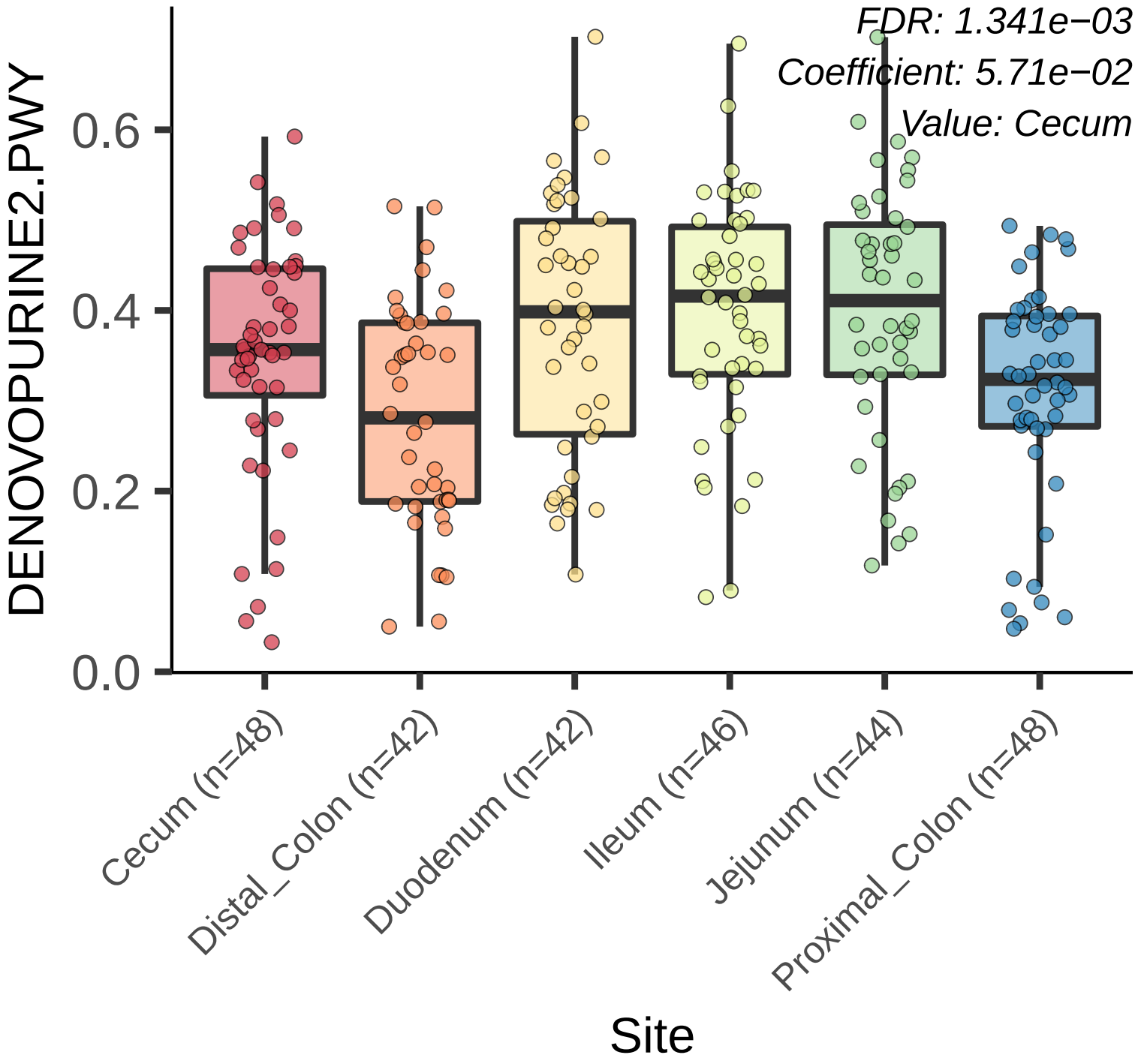

FDR: 1.165e−03
Coefficient: −1.46e−01
Value: Jejunum
PWY.7242
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

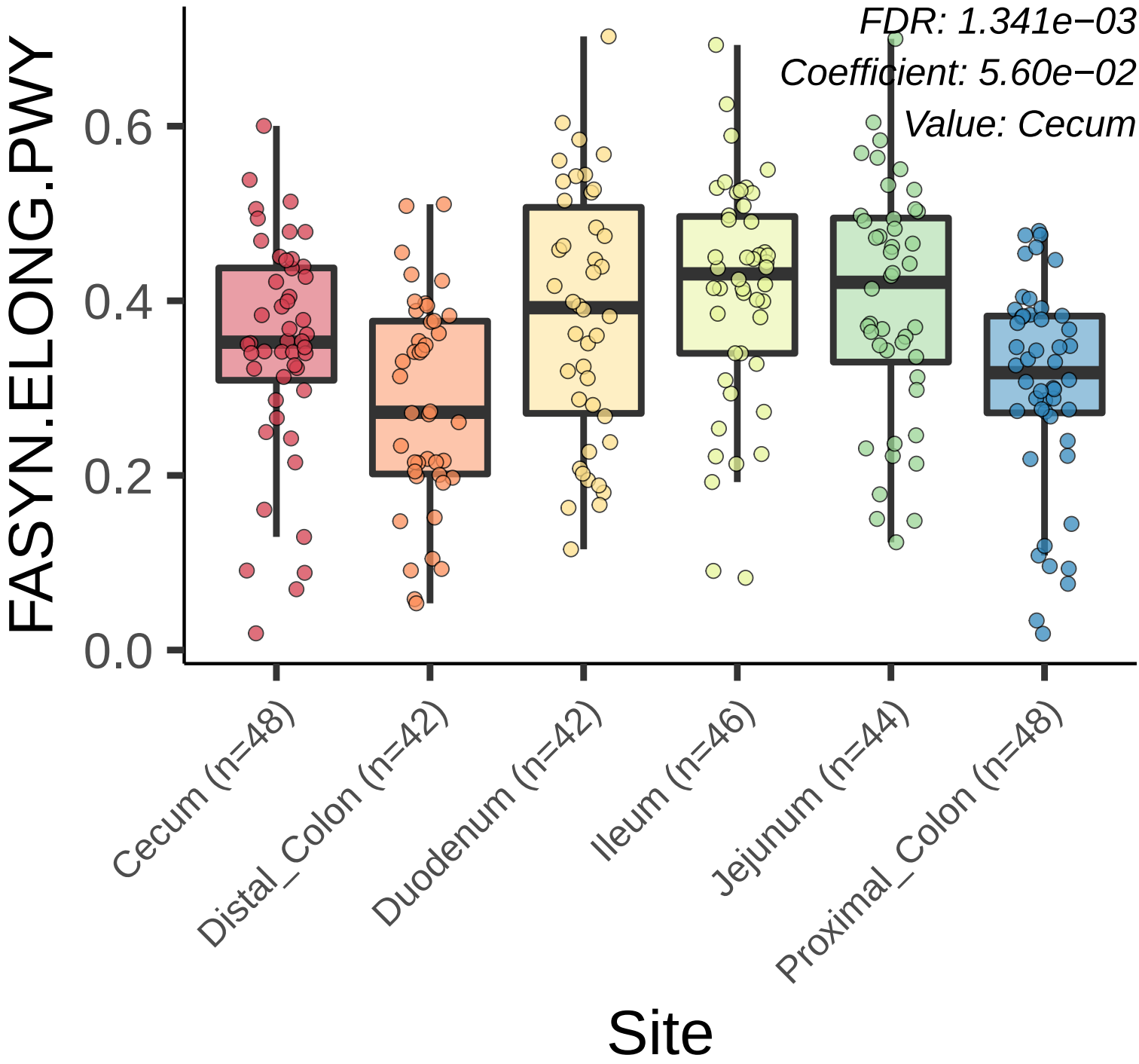

FDR: 1.170e−03
Coefficient: 6.46e−02
Value: Ileum
ASPASN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

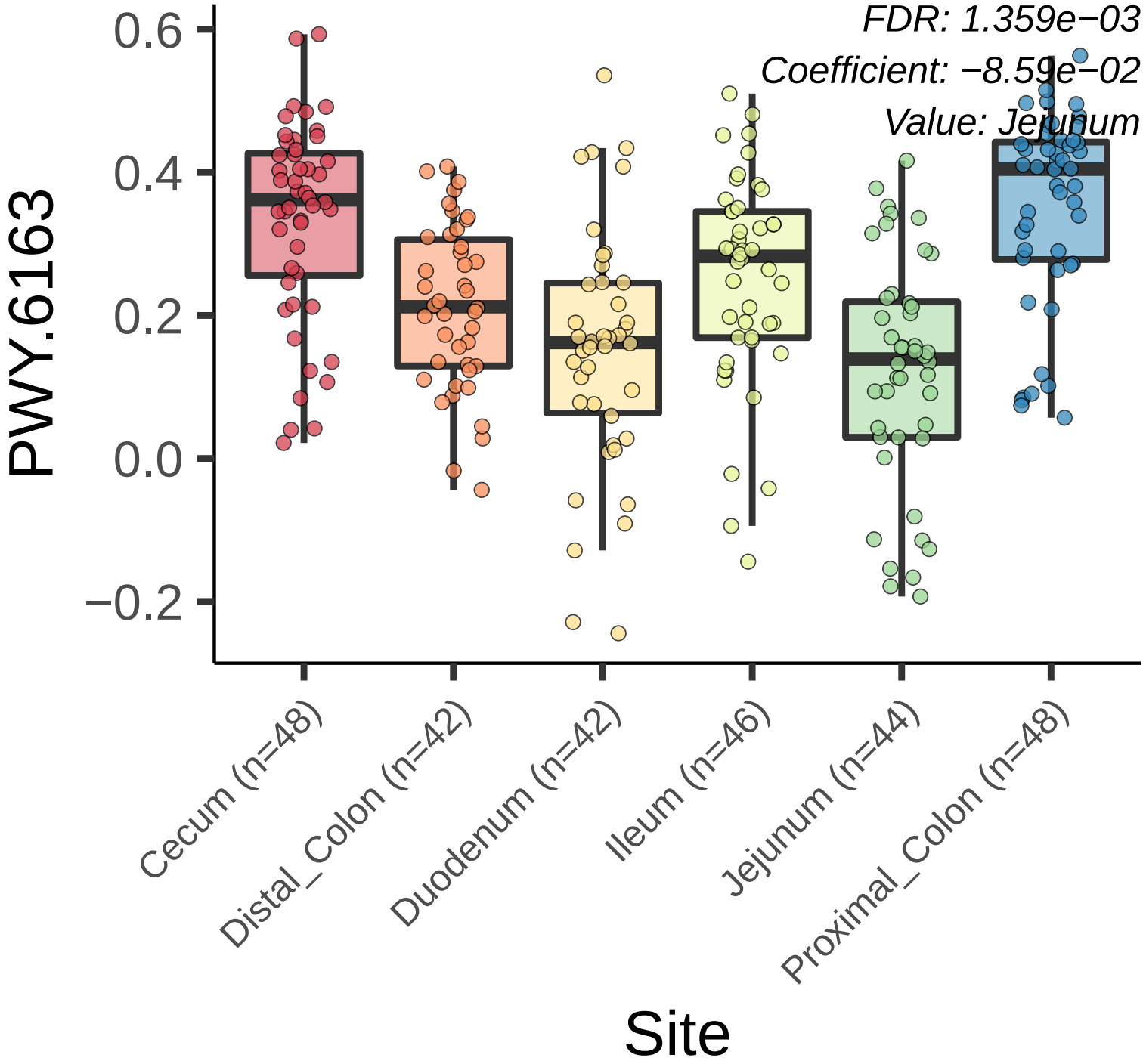

FDR: 1.265e−03
Coefficient: 3.06e−01
Value: Ileum
PWY.7377
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

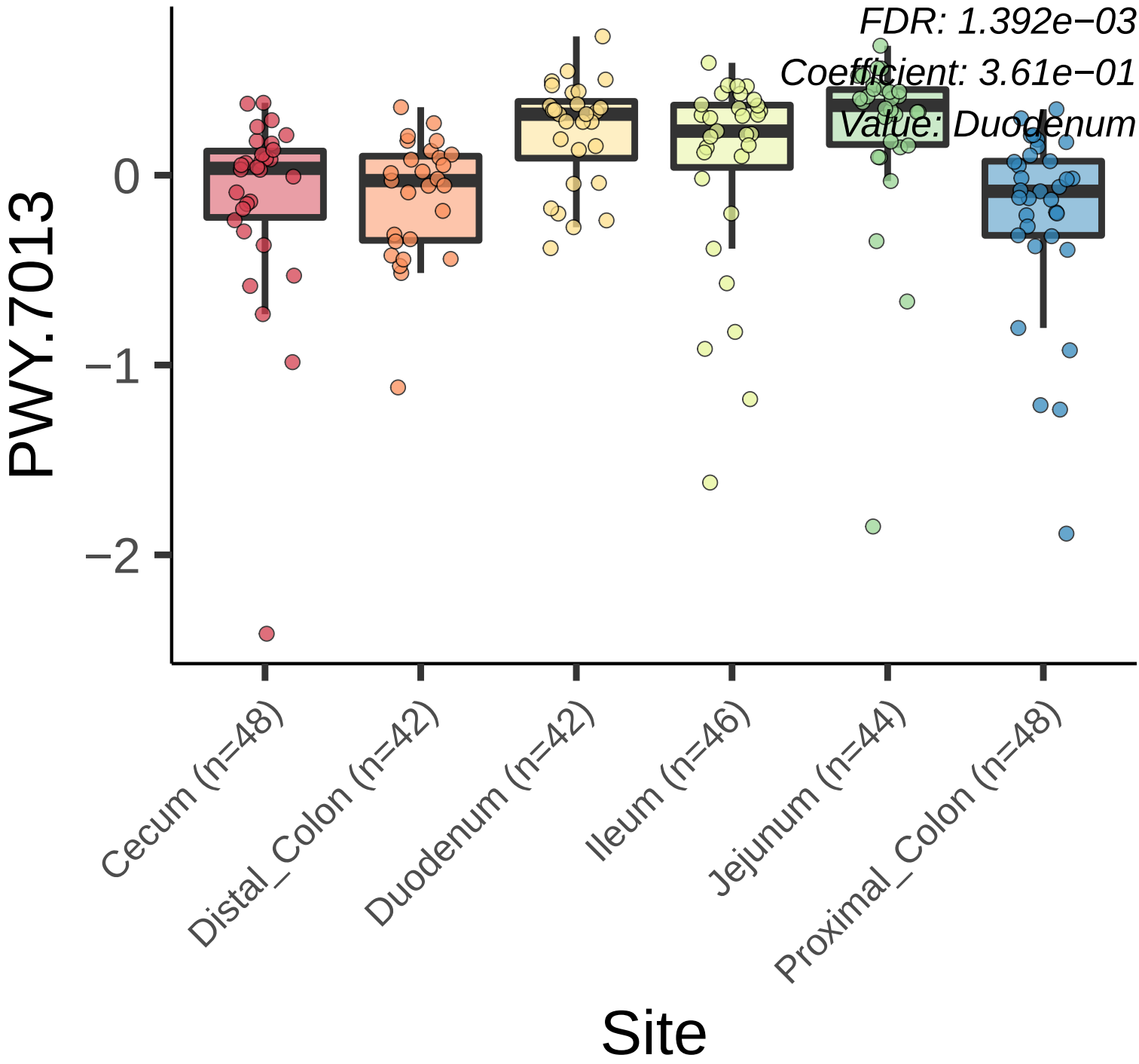

FDR: 1.280e−03
Coefficient: 3.21e−01
Value: Jejunum
PWY.1269
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

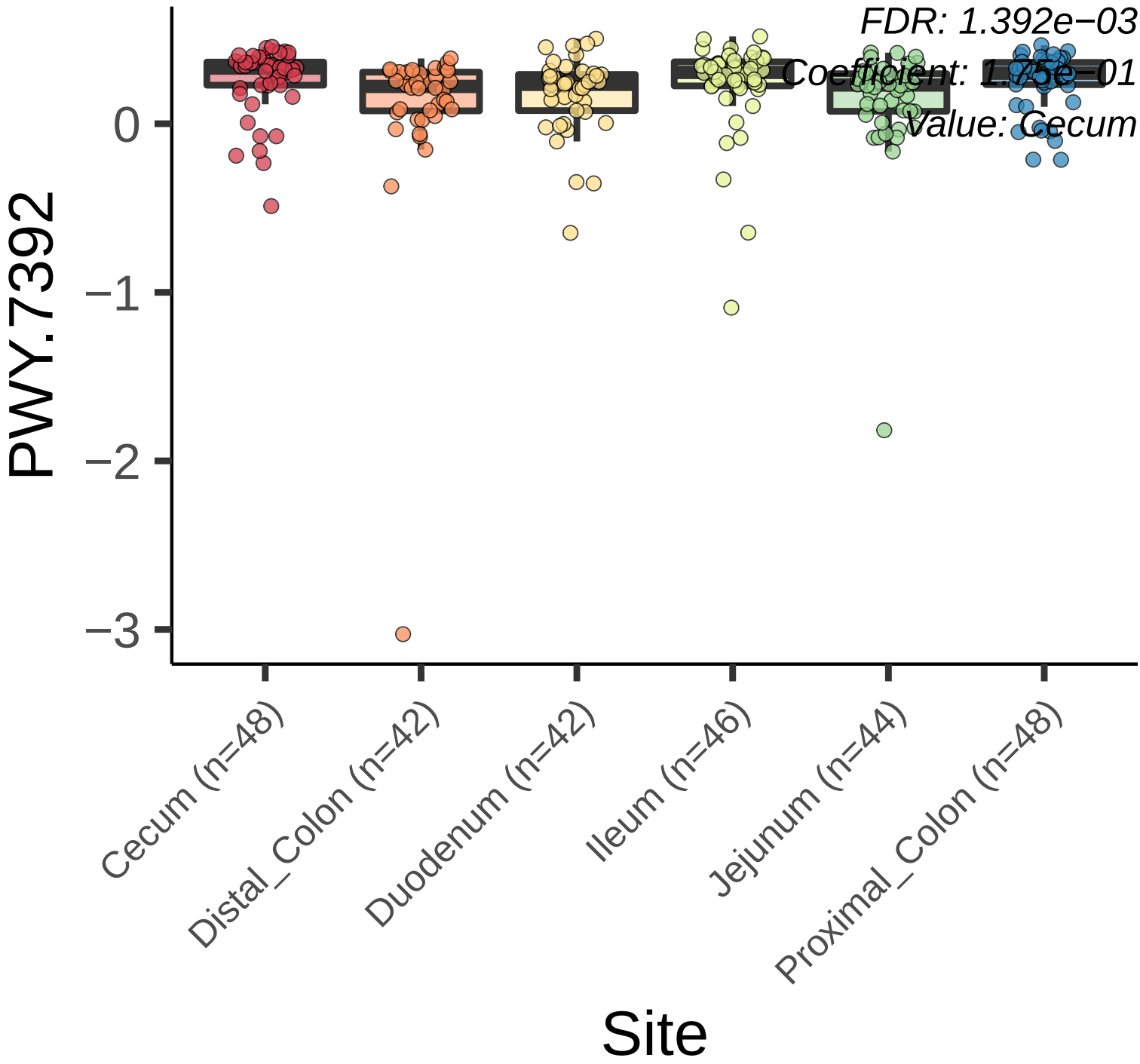

FDR: 1.282e−03
Coefficient: −1.66e−01
Value: Duodenum
PWY.5505
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

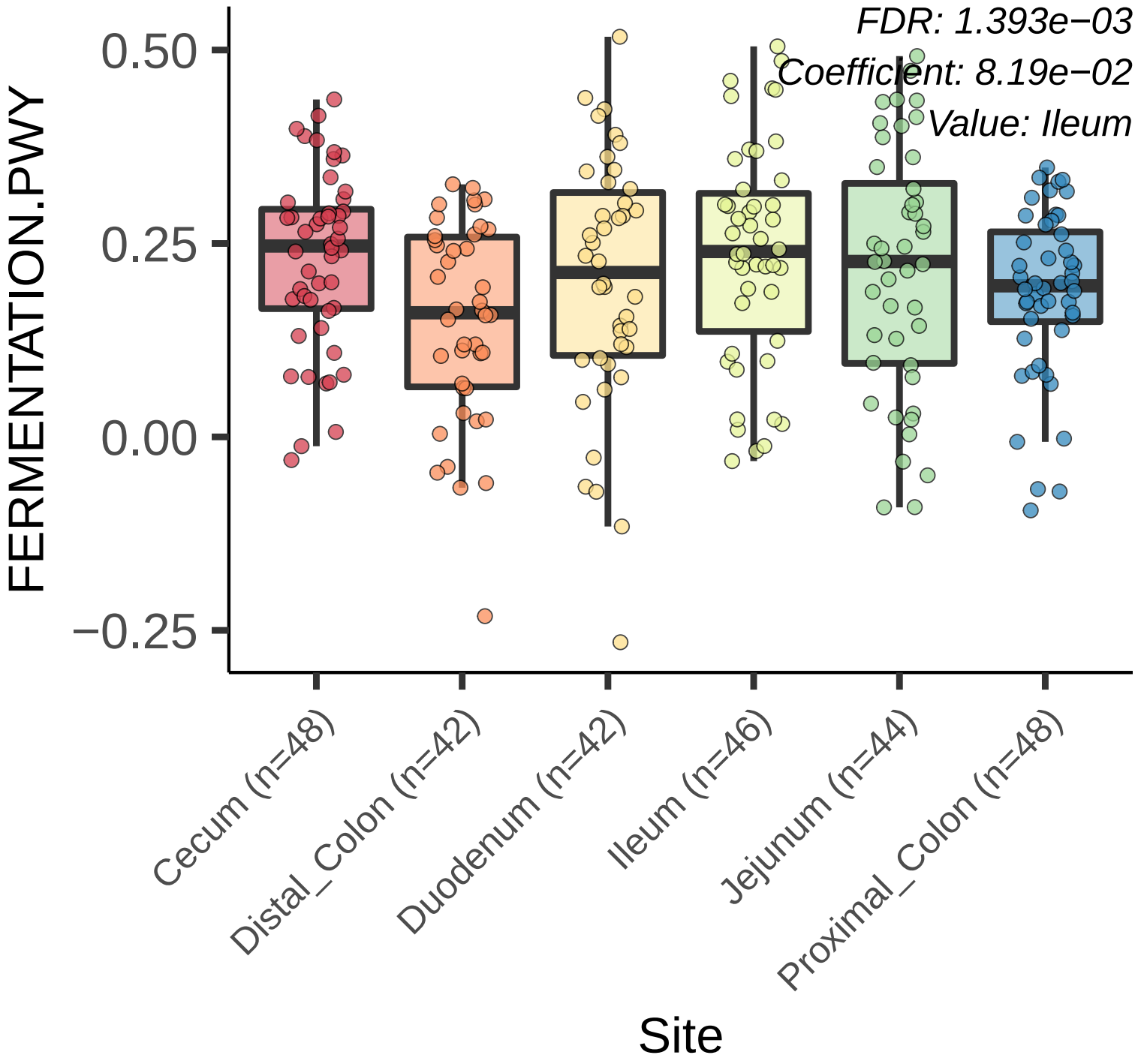

FDR: 1.341e−03
Coefficient: 5.71e−02
Value: Cecum
DENOVOPURINE2.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

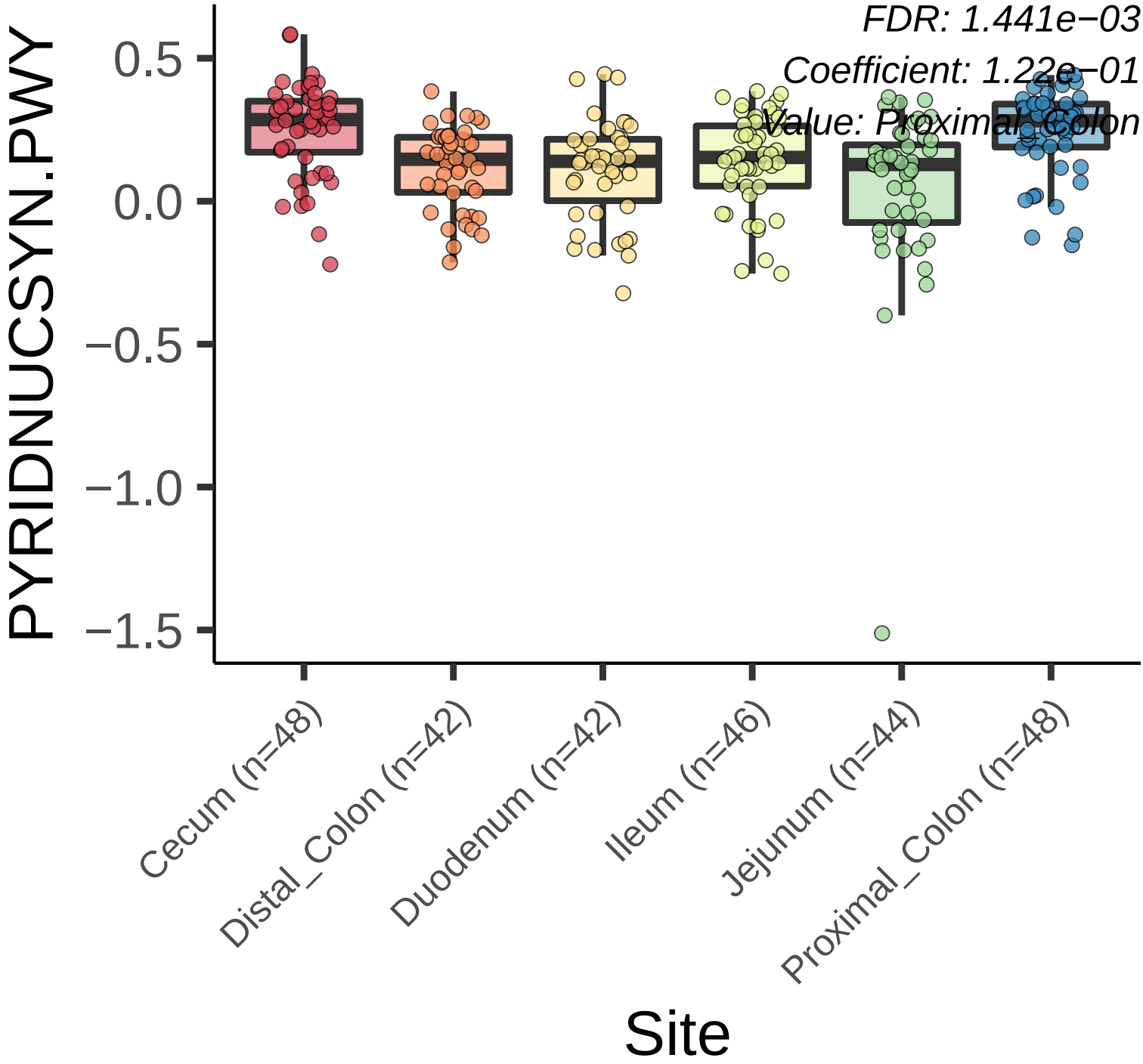

FDR: 1.341e−03
Coefficient: 5.60e−02
Value: Cecum
FASYN.ELONG.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

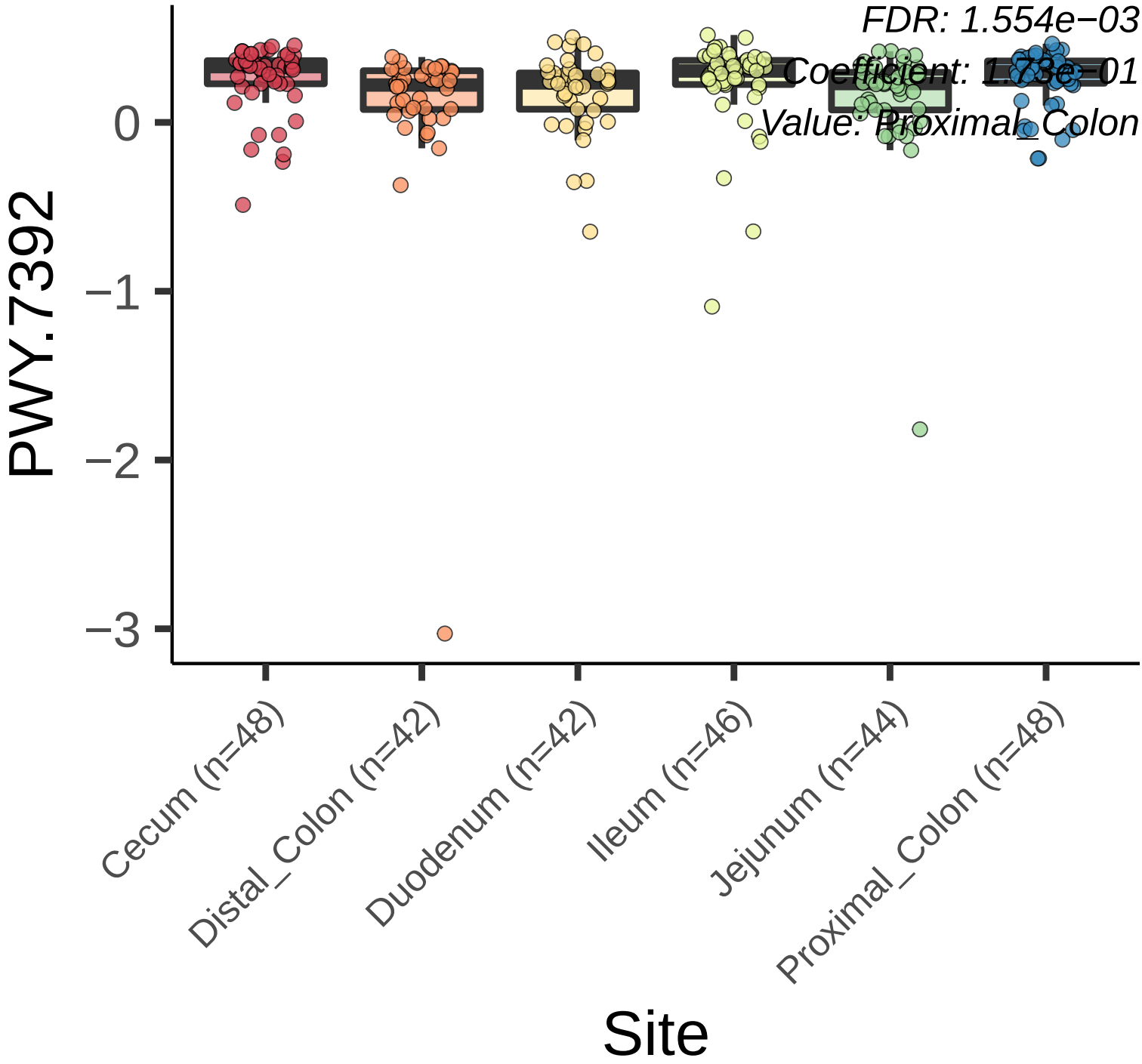

FDR: 1.359e−03
Coefficient: −8.59e−02
Value: Jejunum
PWY.6163
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

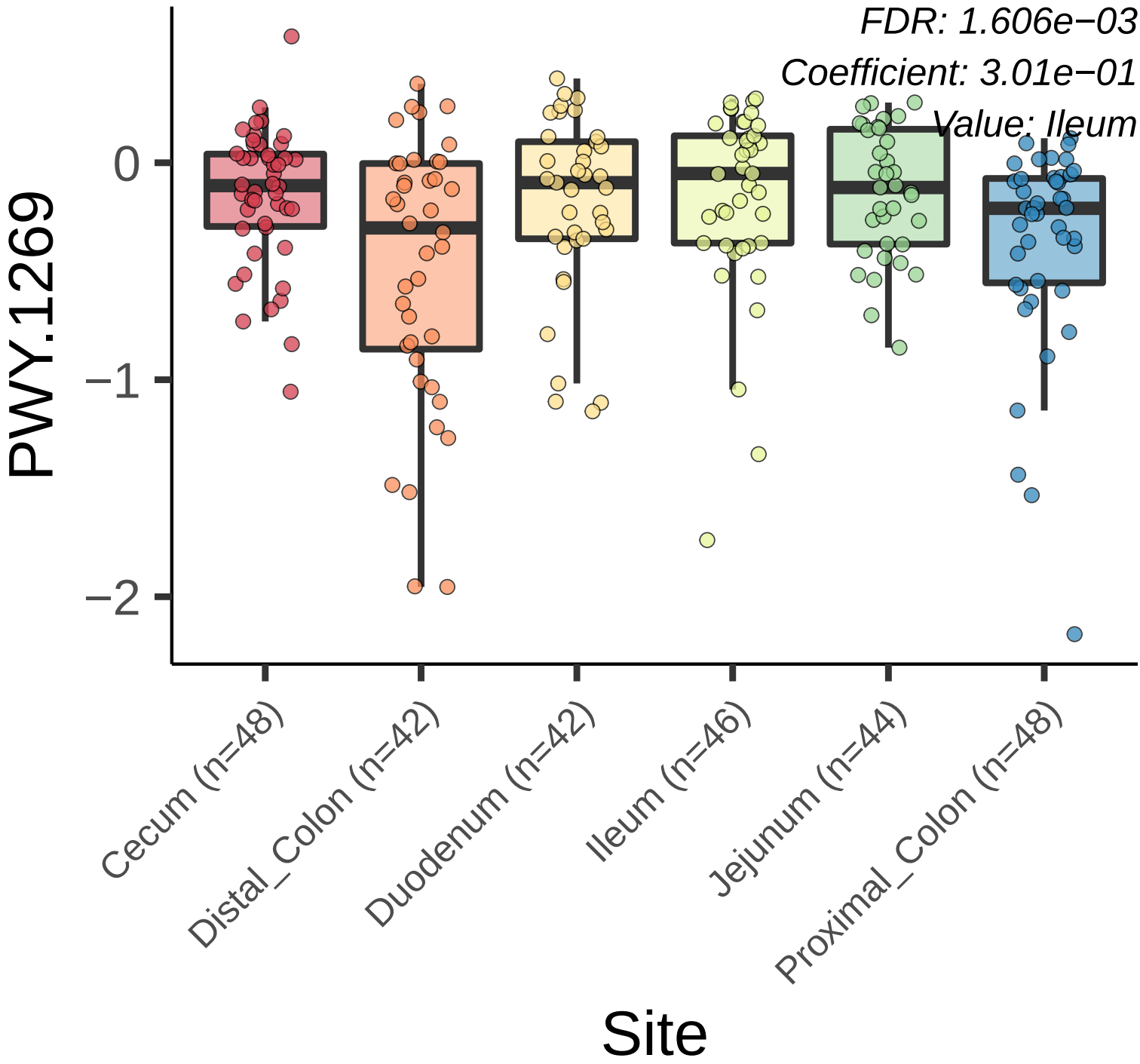

FDR: 1.392e−03
Coefficient: 3.61e−01
Value: Duodenum
PWY.7013
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

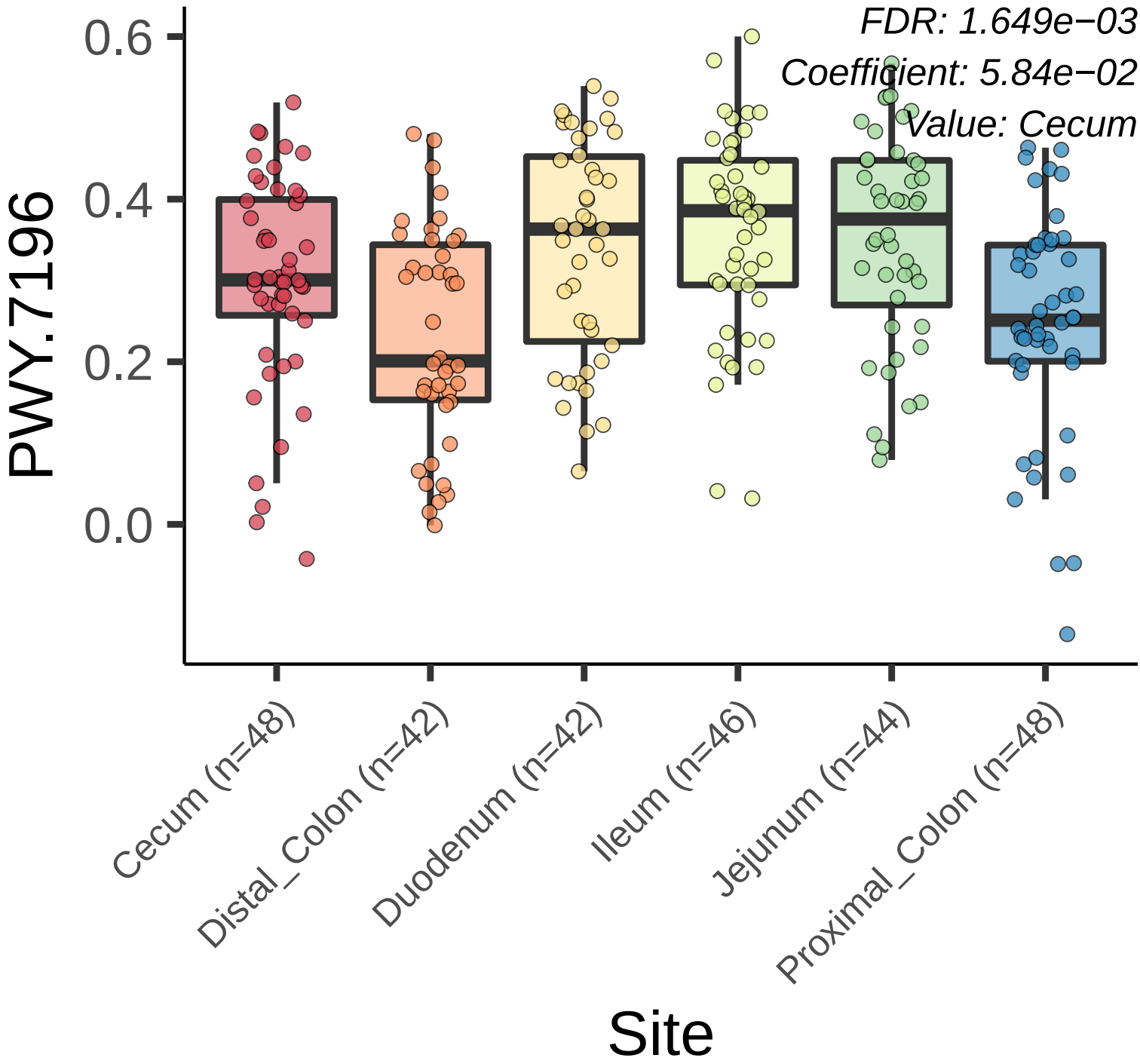

FDR: 1.392e−03
Coefficient: 1.75e−01
Value: Cecum
PWY.7392
0
−1
−2
−3
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

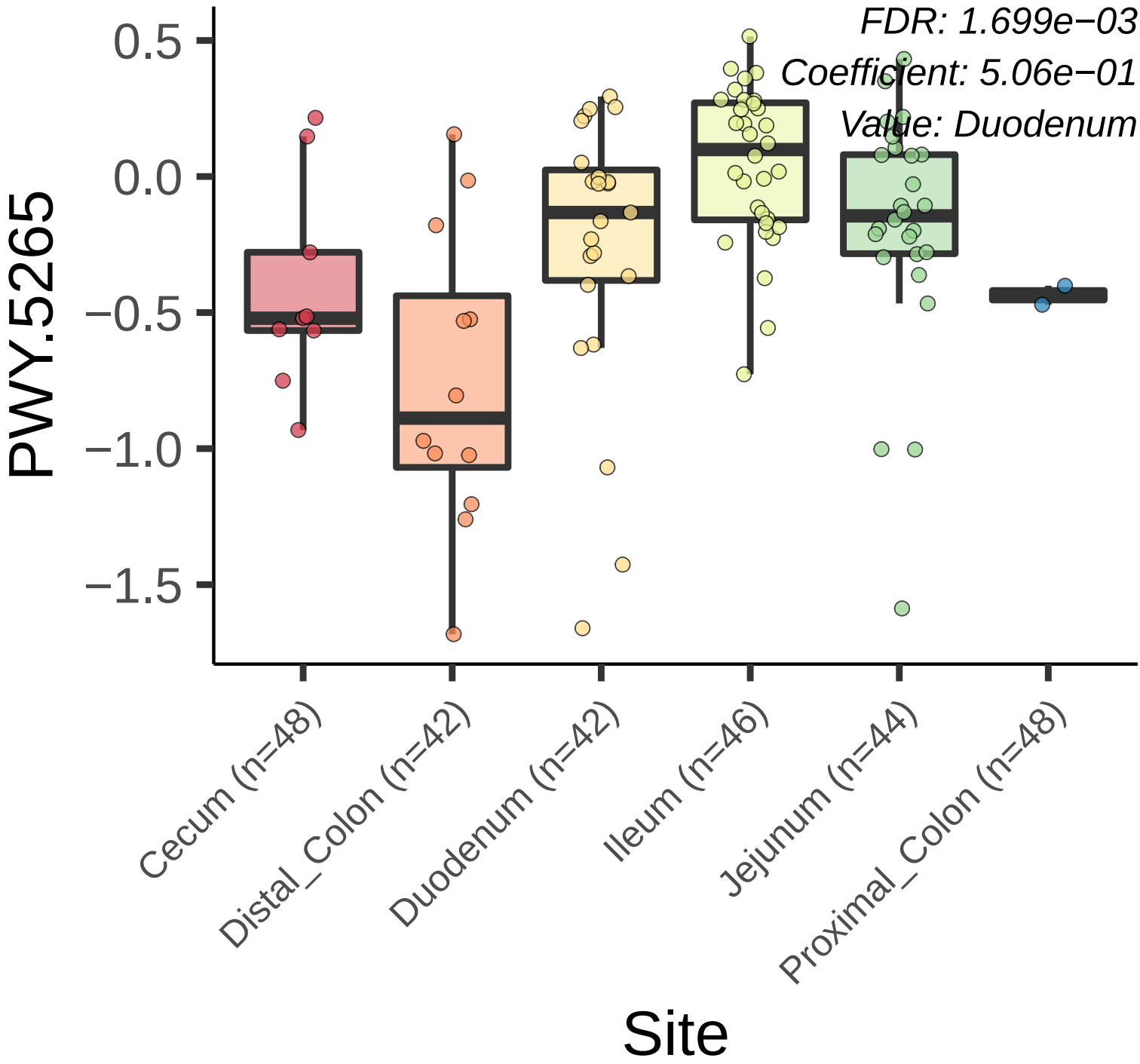

FDR: 1.393e−03
Coefficient: 8.19e−02
Value: Ileum
FERMENTATION.PWY
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

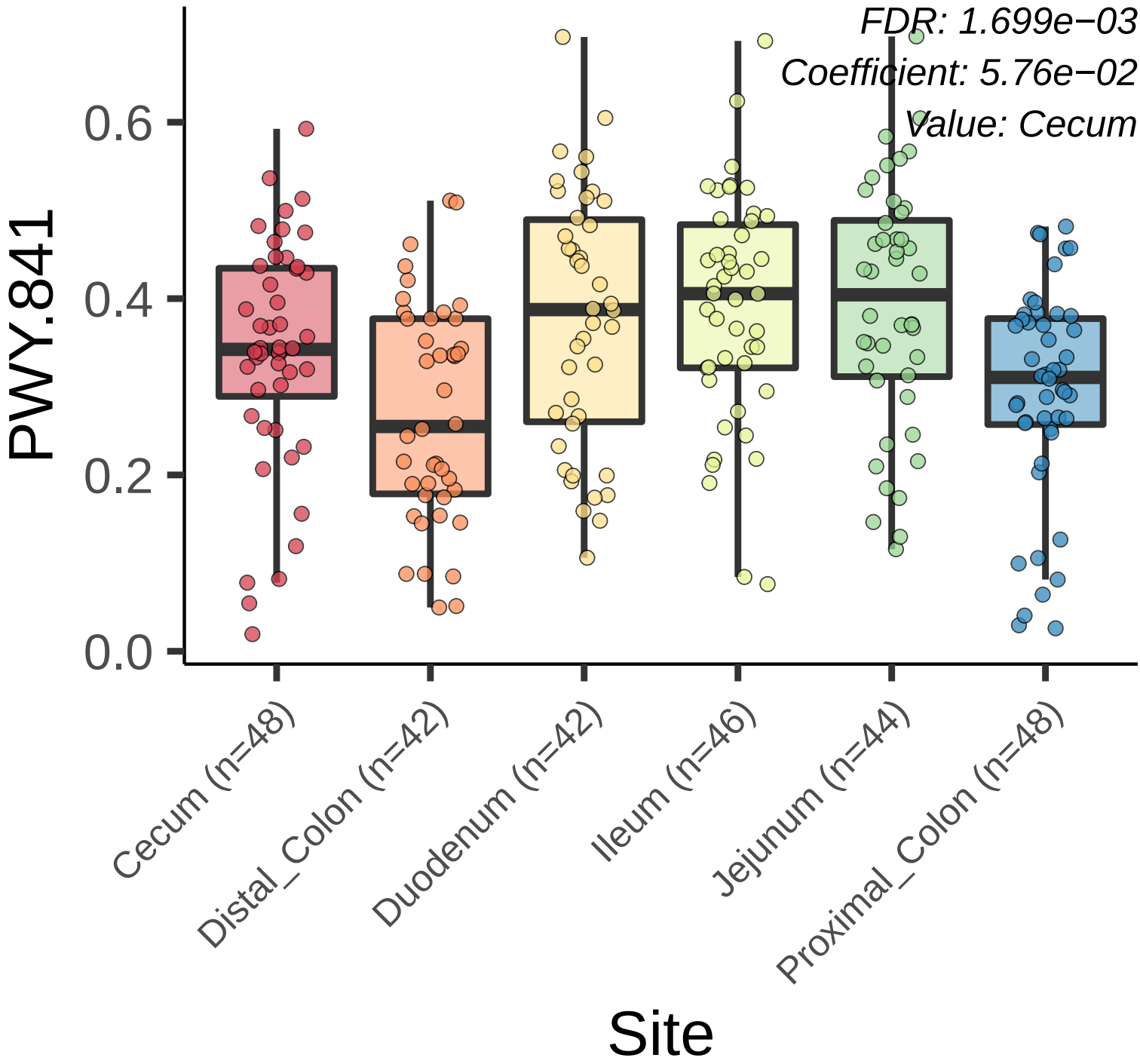

FDR: 1.441e−03
Coefficient: 1.22e−01
Value: Proximal_Colon
PYRIDNUCSYN.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

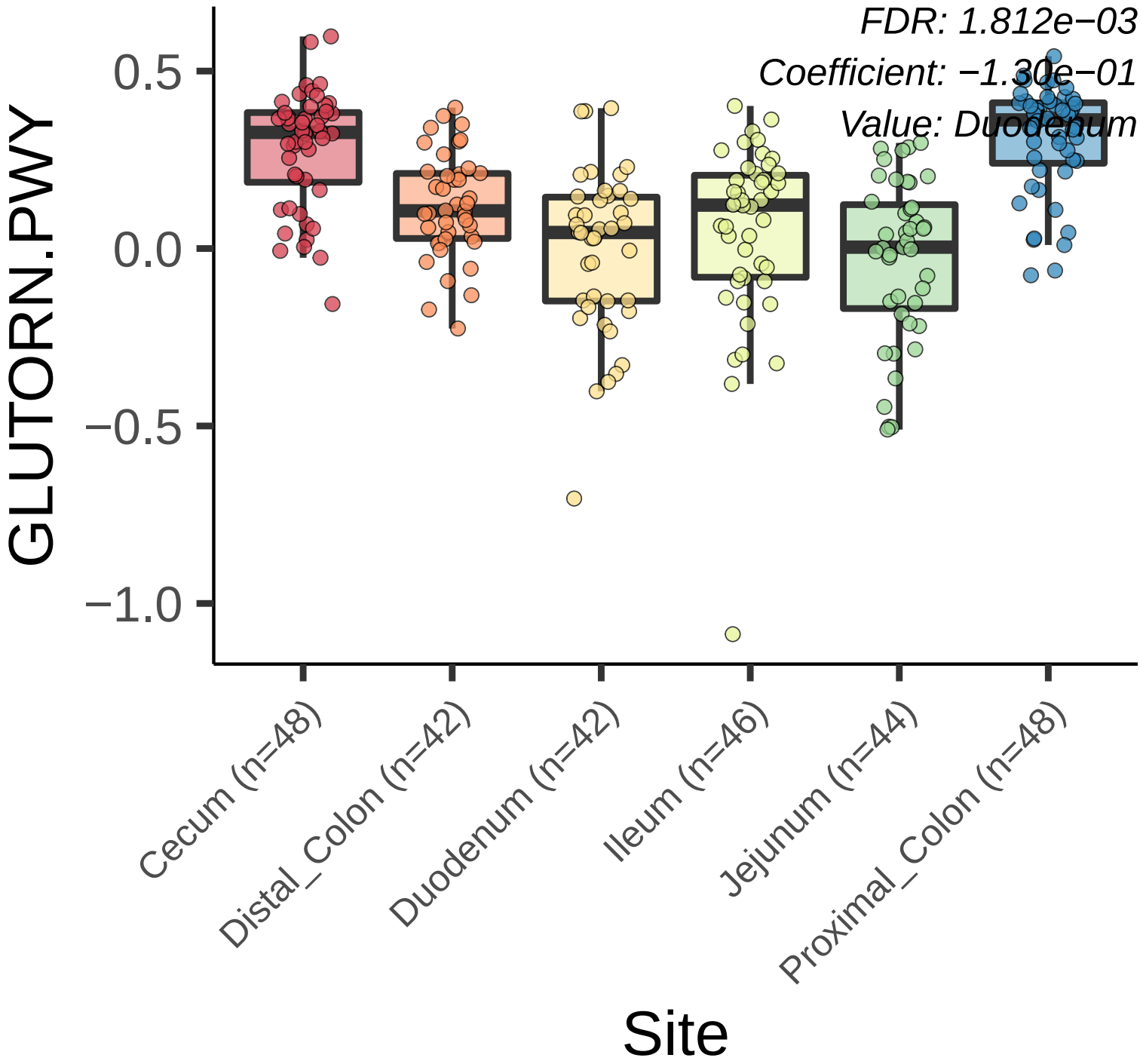

FDR: 1.554e−03
Coefficient: 1.73e−01
Value: Proximal_Colon
PWY.7392
0
−1
−2
−3
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

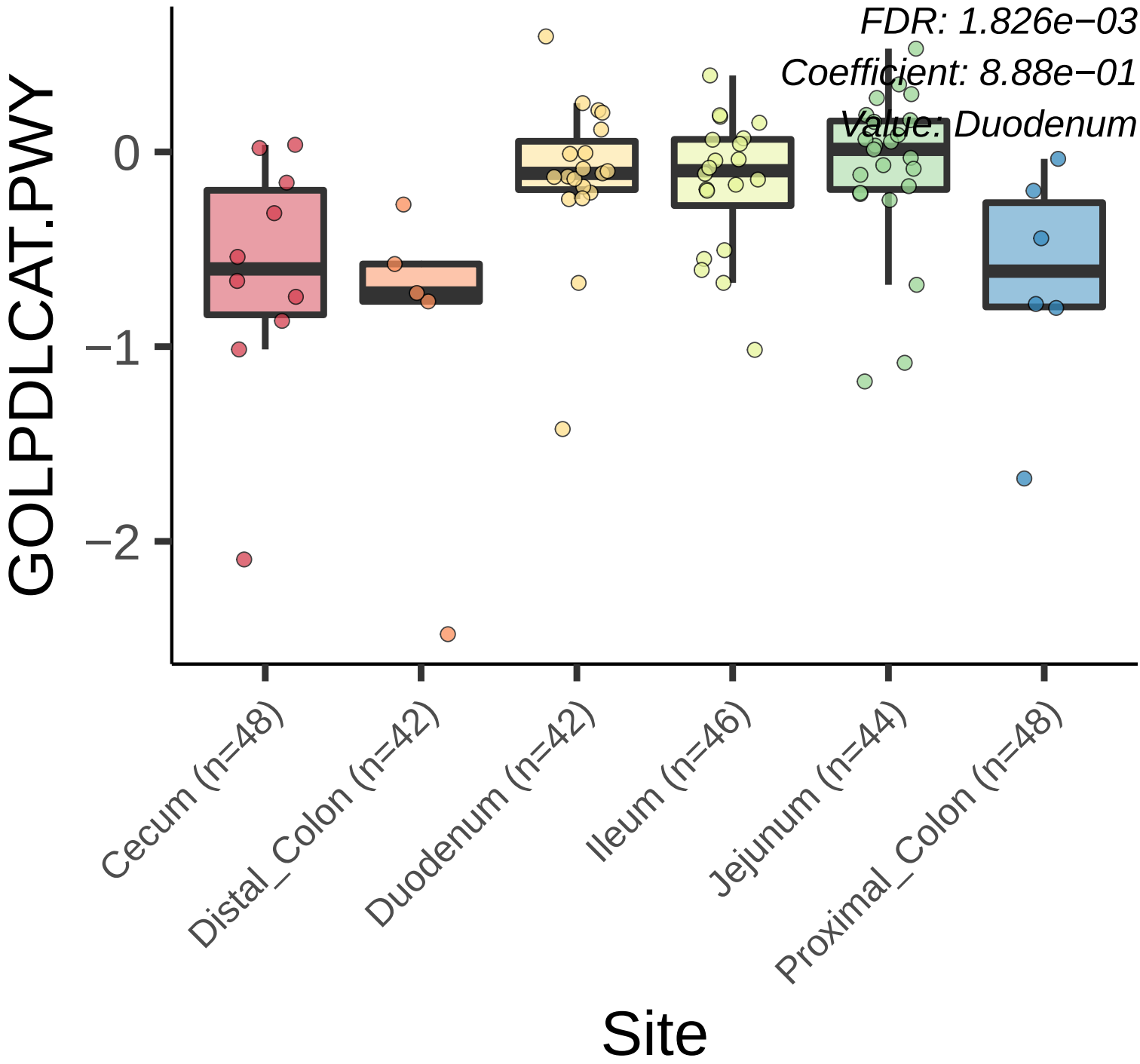

FDR: 1.606e−03
Coefficient: 3.01e−01
Value: Ileum
PWY.1269
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

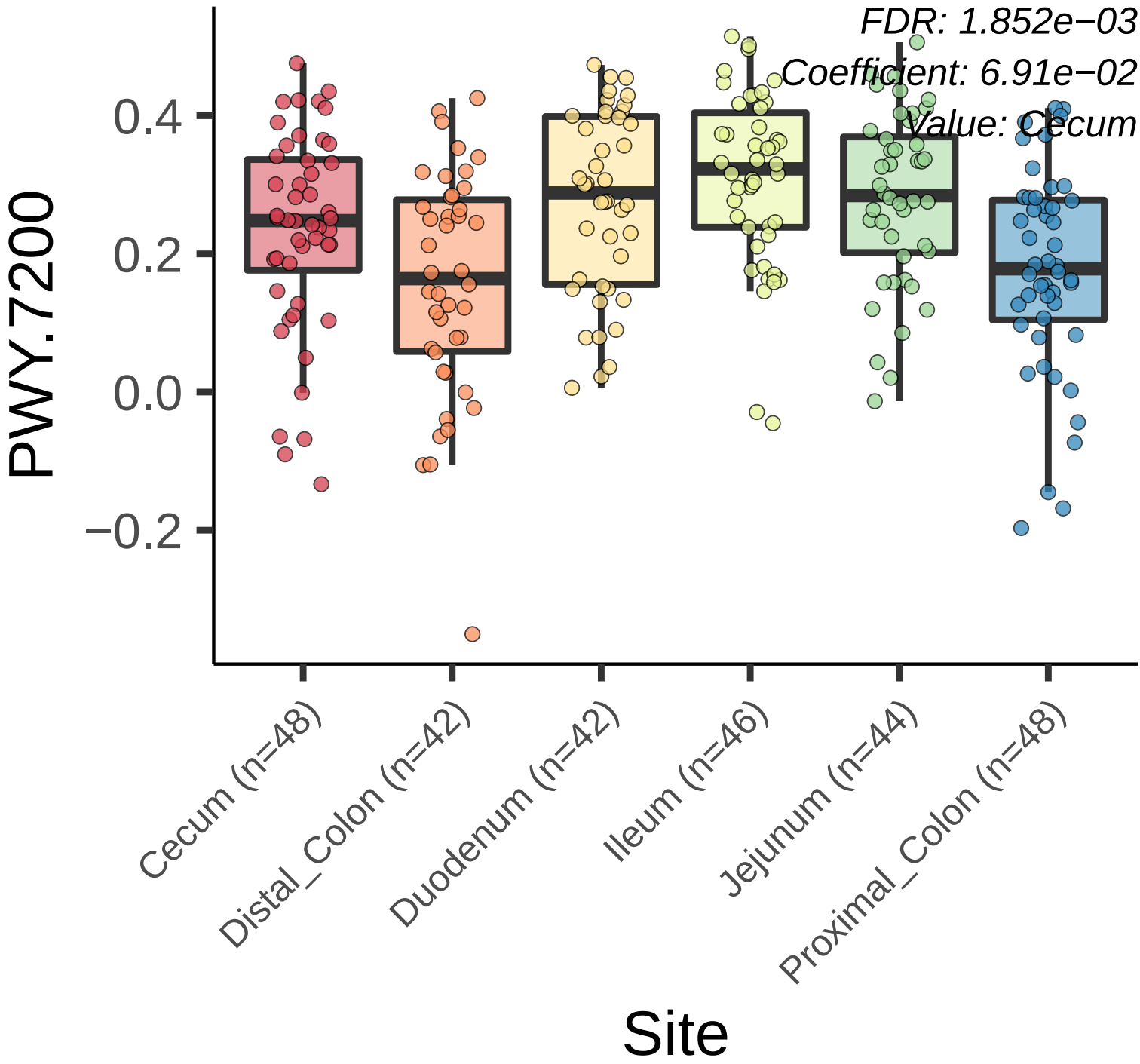

FDR: 1.649e−03
Coefficient: 5.84e−02
Value: Cecum
PWY.7196
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

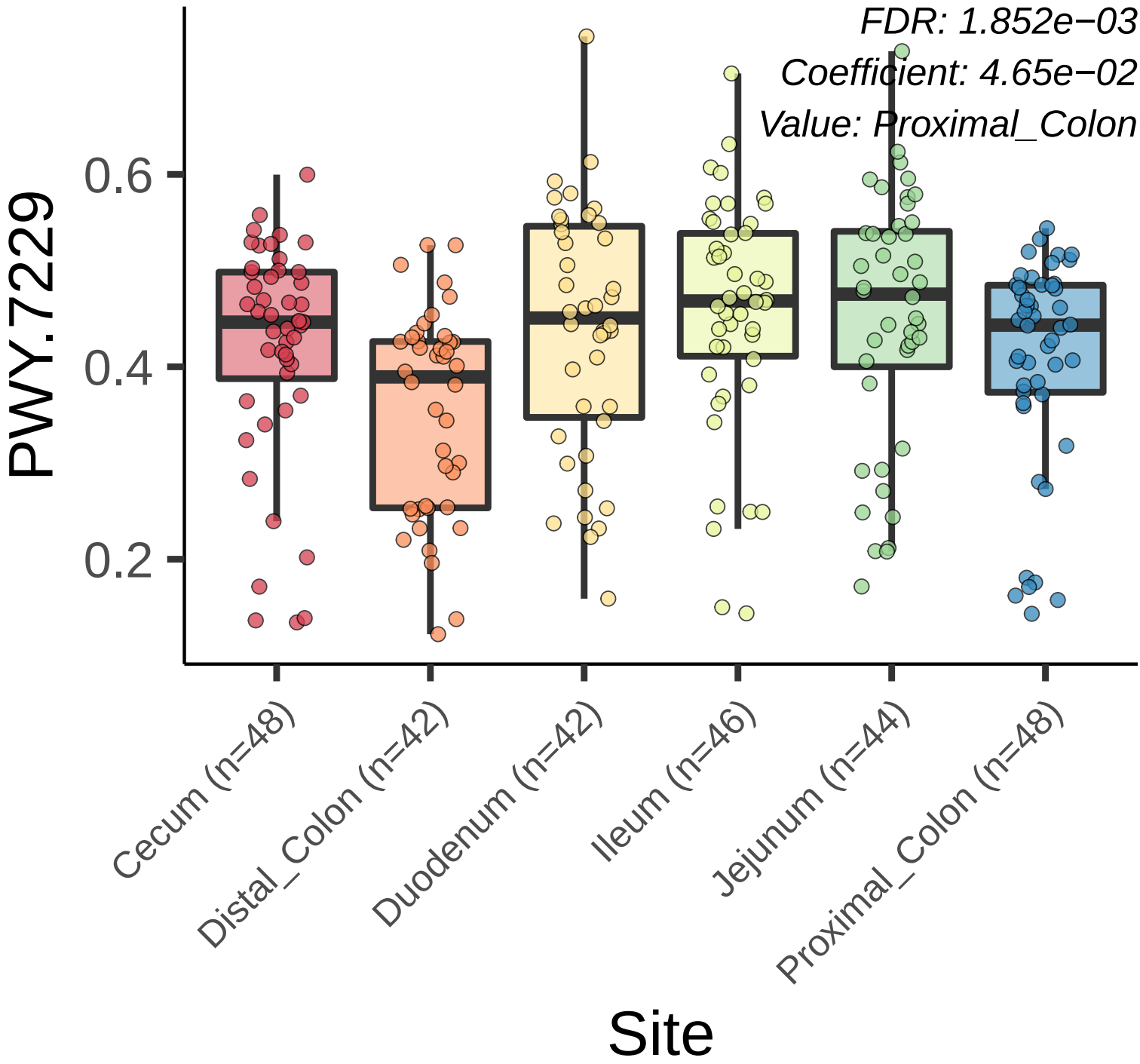

FDR: 1.699e−03
Coefficient: 5.06e−01
Value: Duodenum
PWY.5265
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

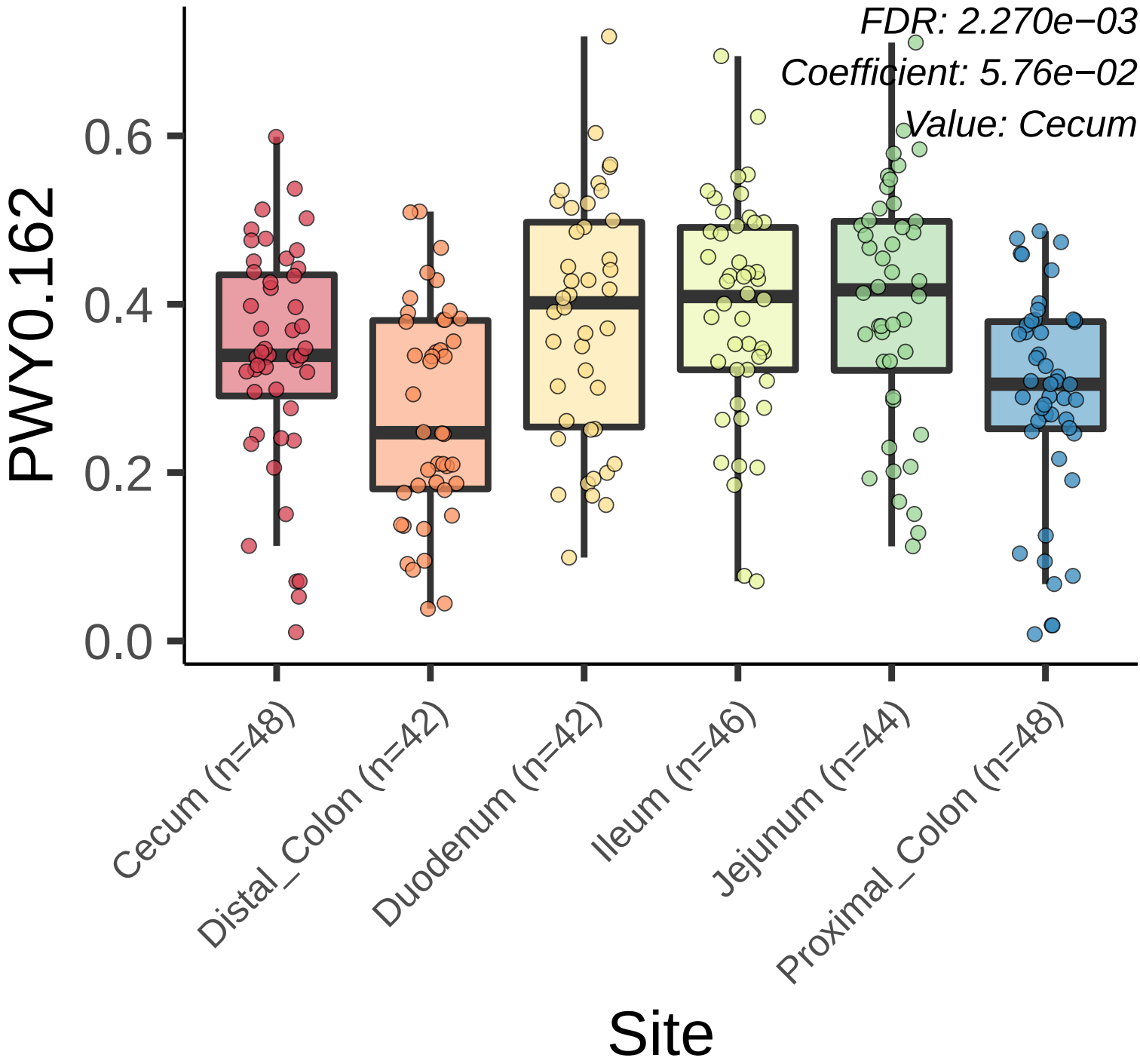

FDR: 1.699e−03
Coefficient: 5.76e−02
Value: Cecum
PWY.841
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

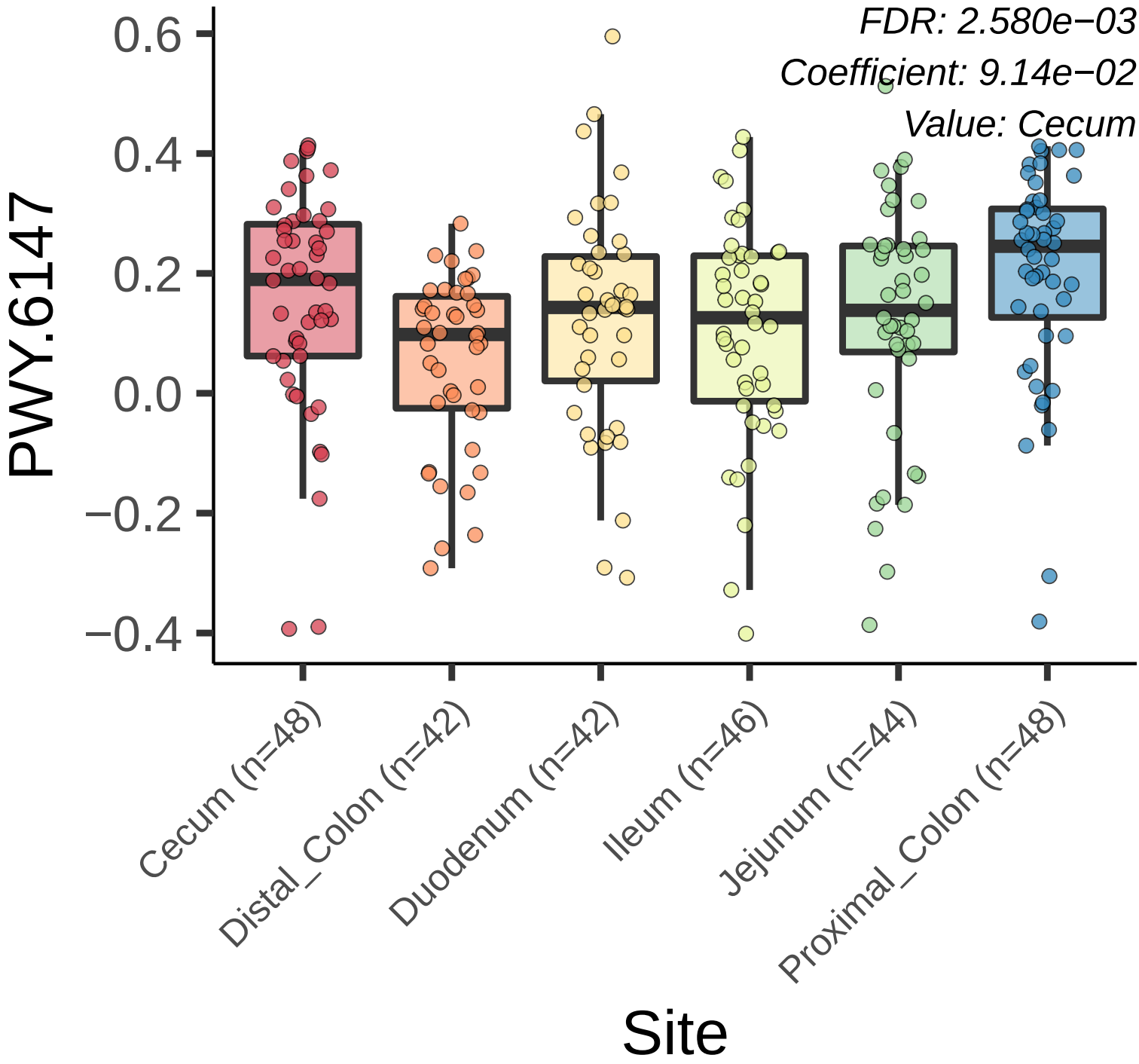

FDR: 1.812e−03
Coefficient: −1.30e−01
Value: Duodenum
GLUTORN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

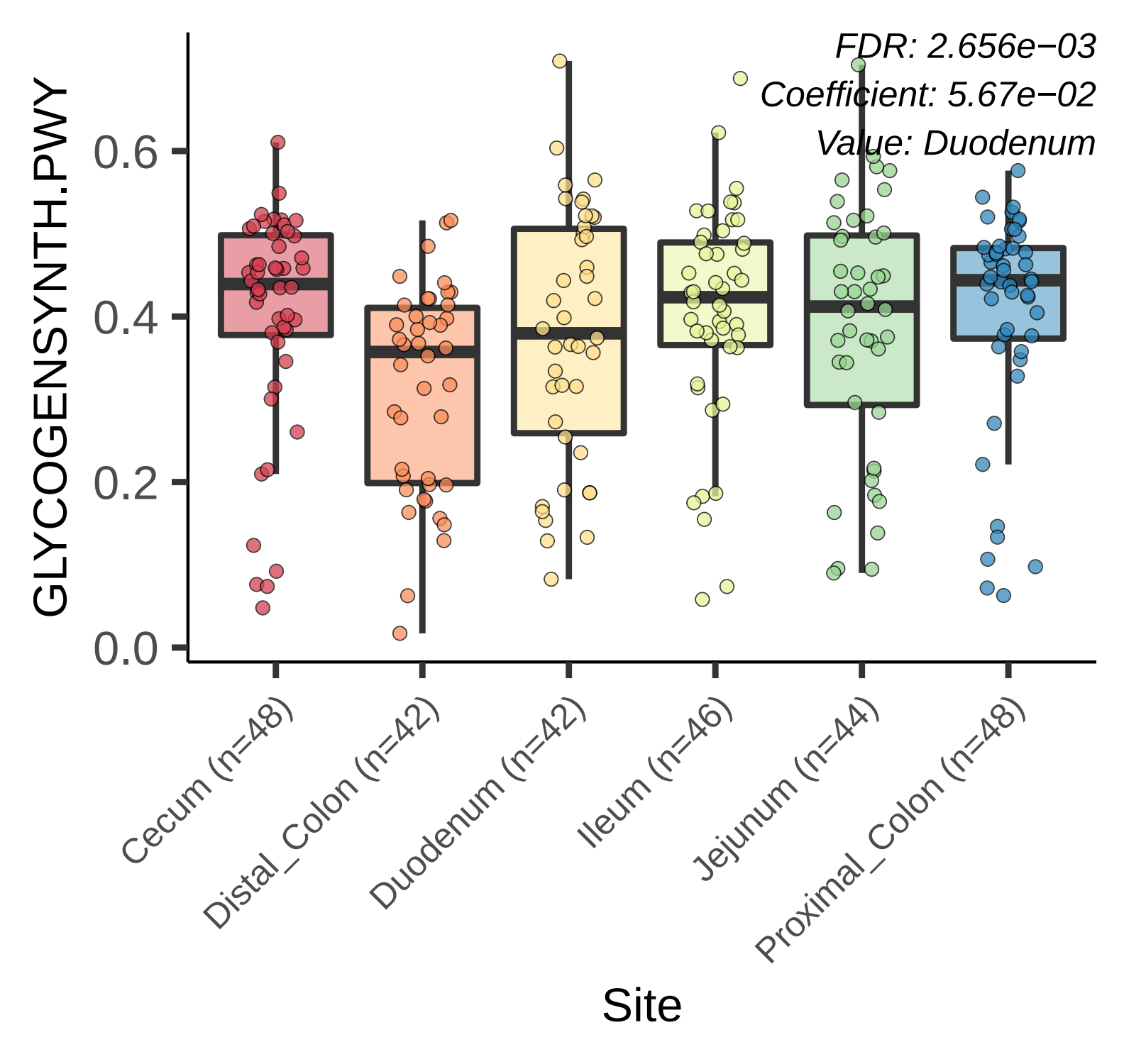

FDR: 1.826e−03
Coefficient: 8.88e−01
Value: Duodenum
GOLPDLCAT.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

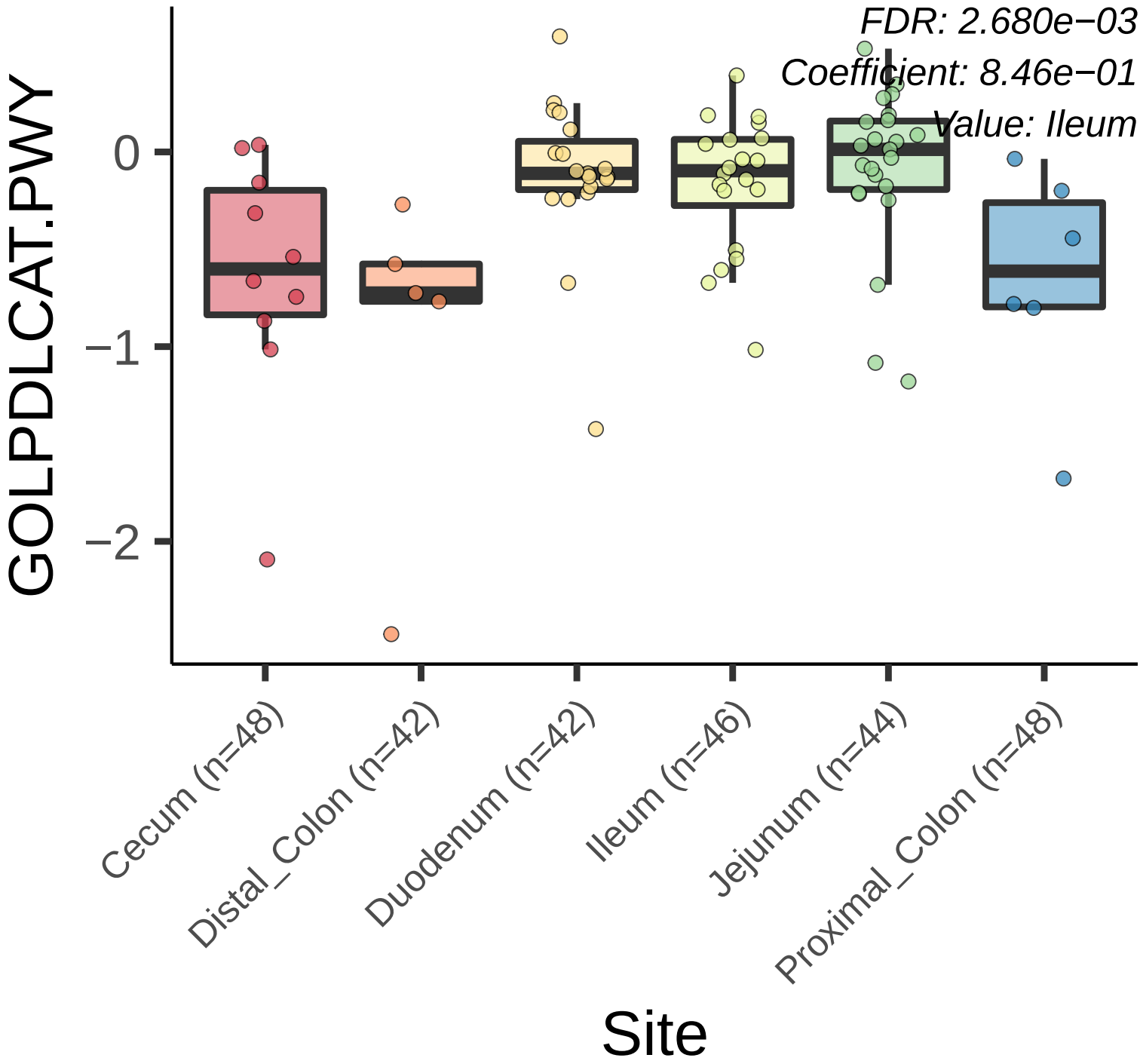

FDR: 1.852e−03
Coefficient: 6.91e−02
Value: Cecum
PWY.7200
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

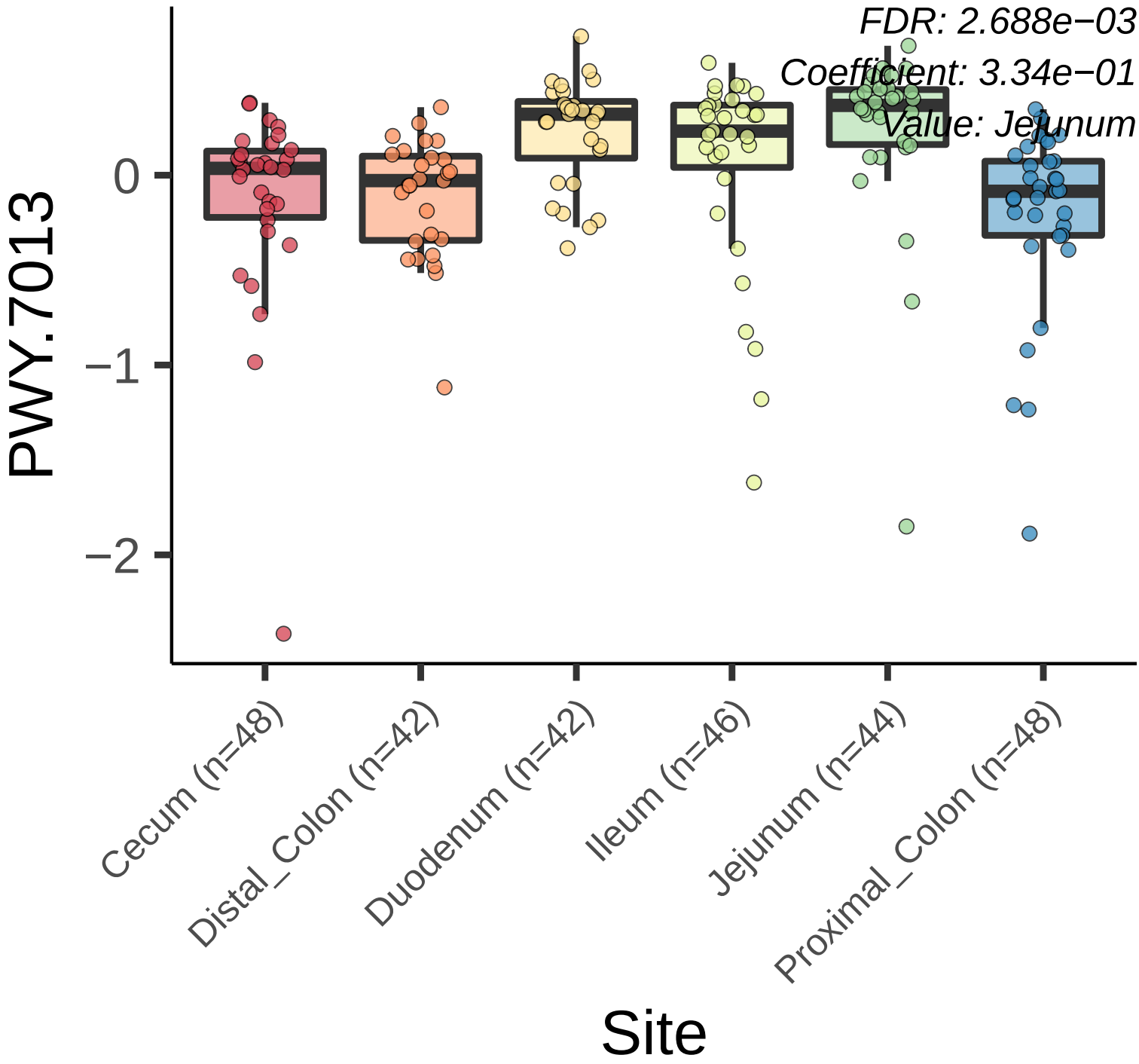

FDR: 1.852e−03
Coefficient: 4.65e−02
Value: Proximal_Colon
PWY.7229
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

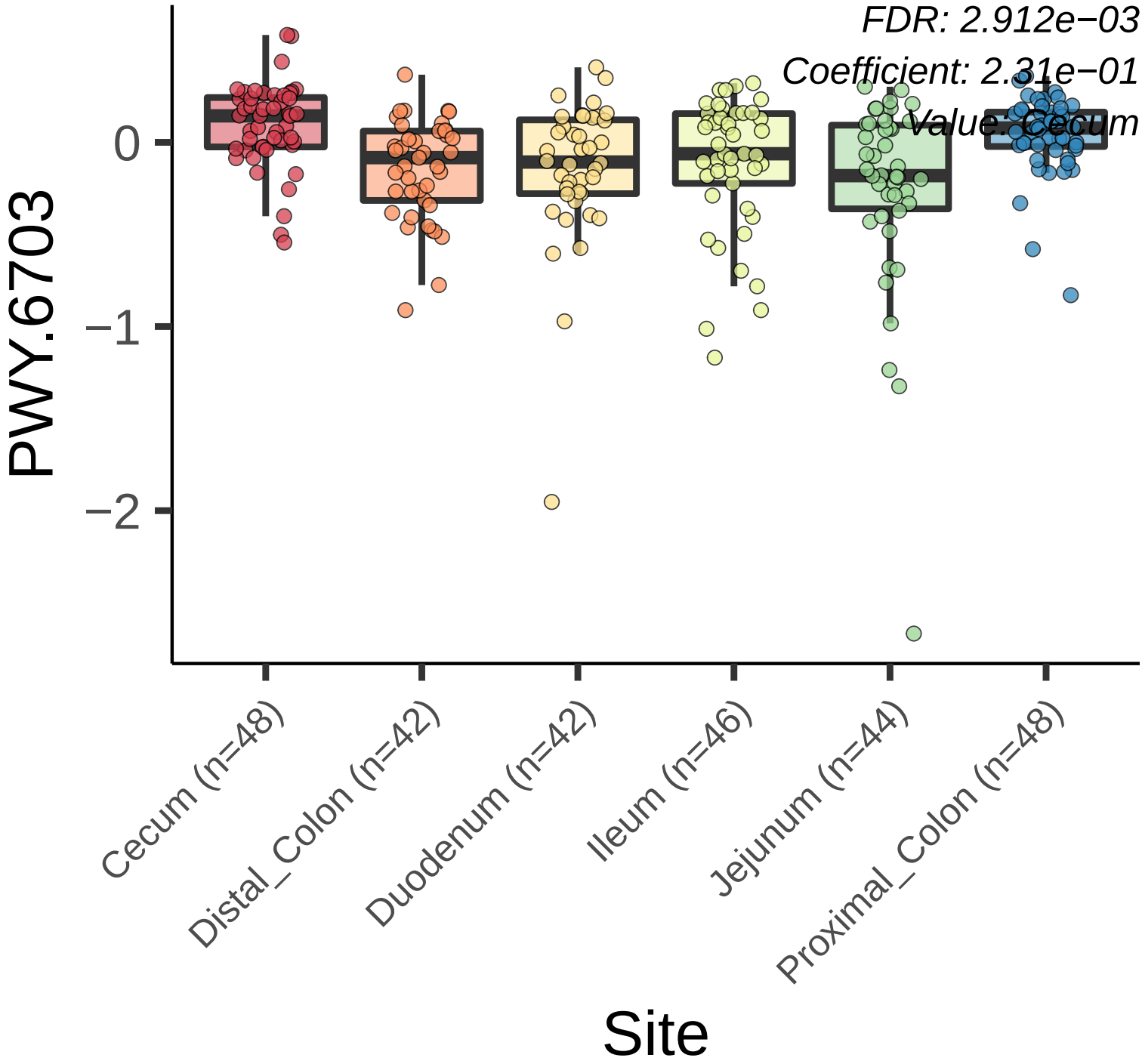

FDR: 2.270e−03
Coefficient: 5.76e−02
Value: Cecum
PWY0.162
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

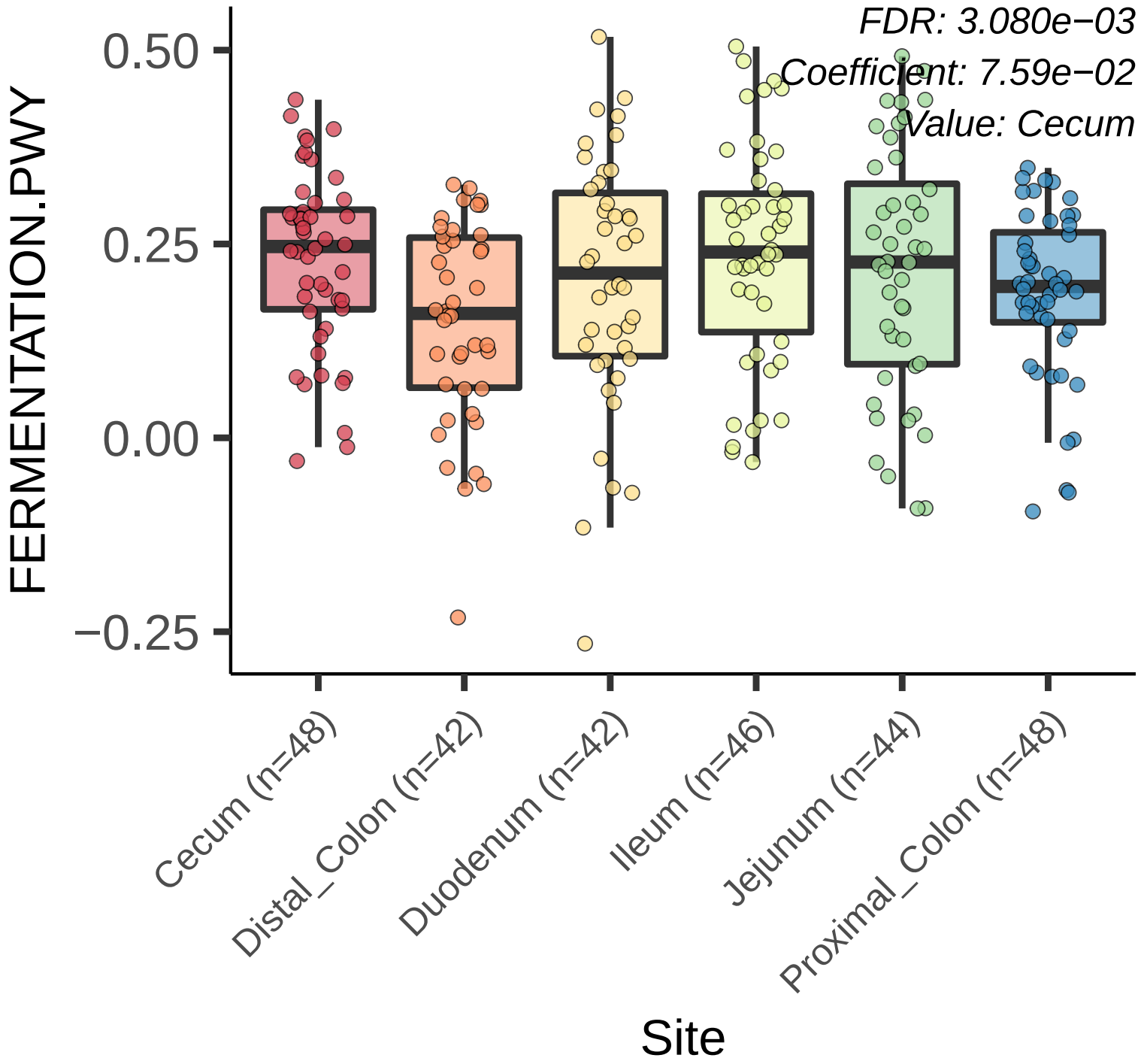

FDR: 2.580e−03
Coefficient: 9.14e−02
Value: Cecum
PWY.6147
0.6
0.4
0.2
0.0
−0.2
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

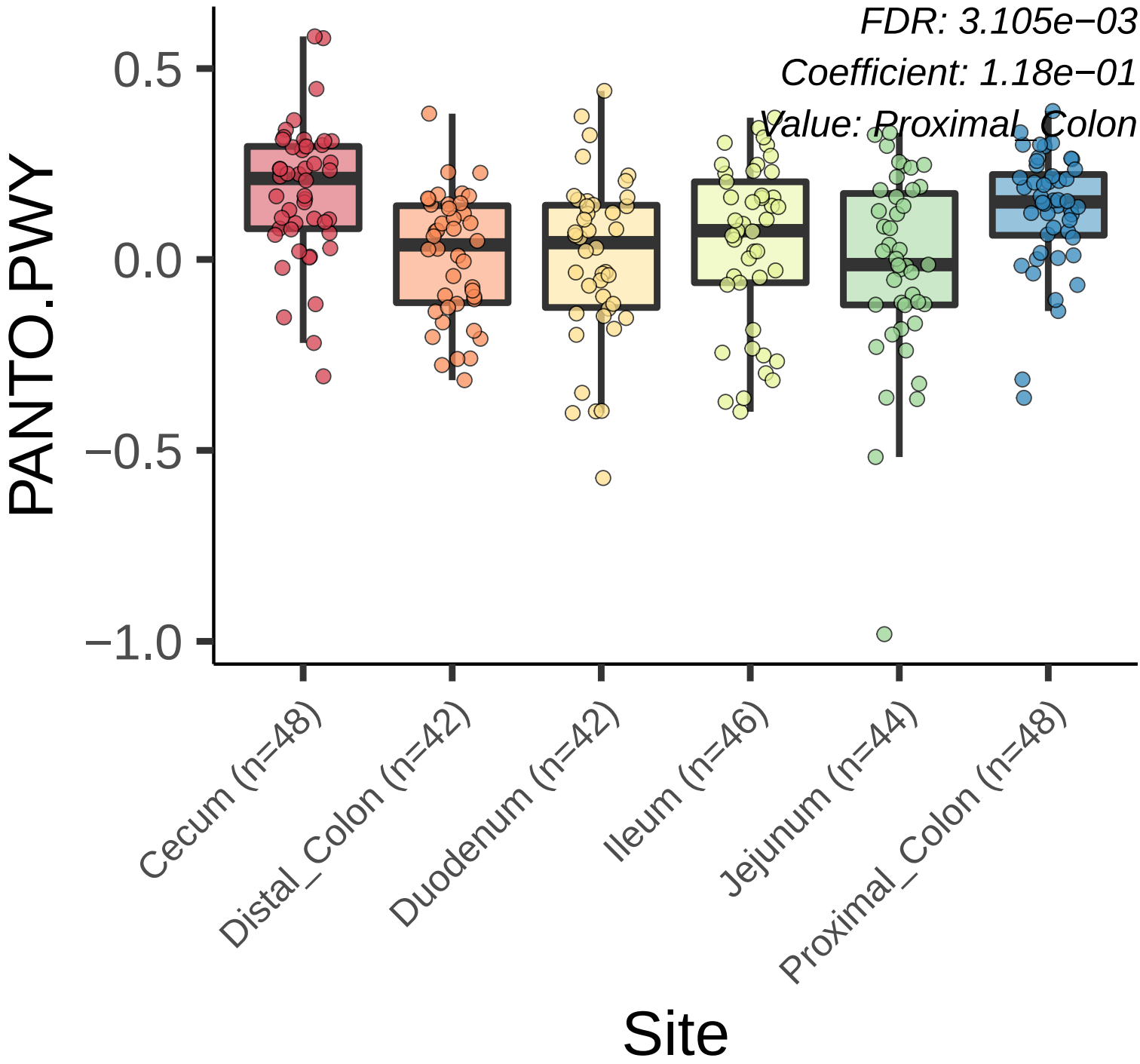

FDR: 2.656e−03
Coefficient: 5.67e−02
Value: Duodenum
GLYCOGENSYNTH.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

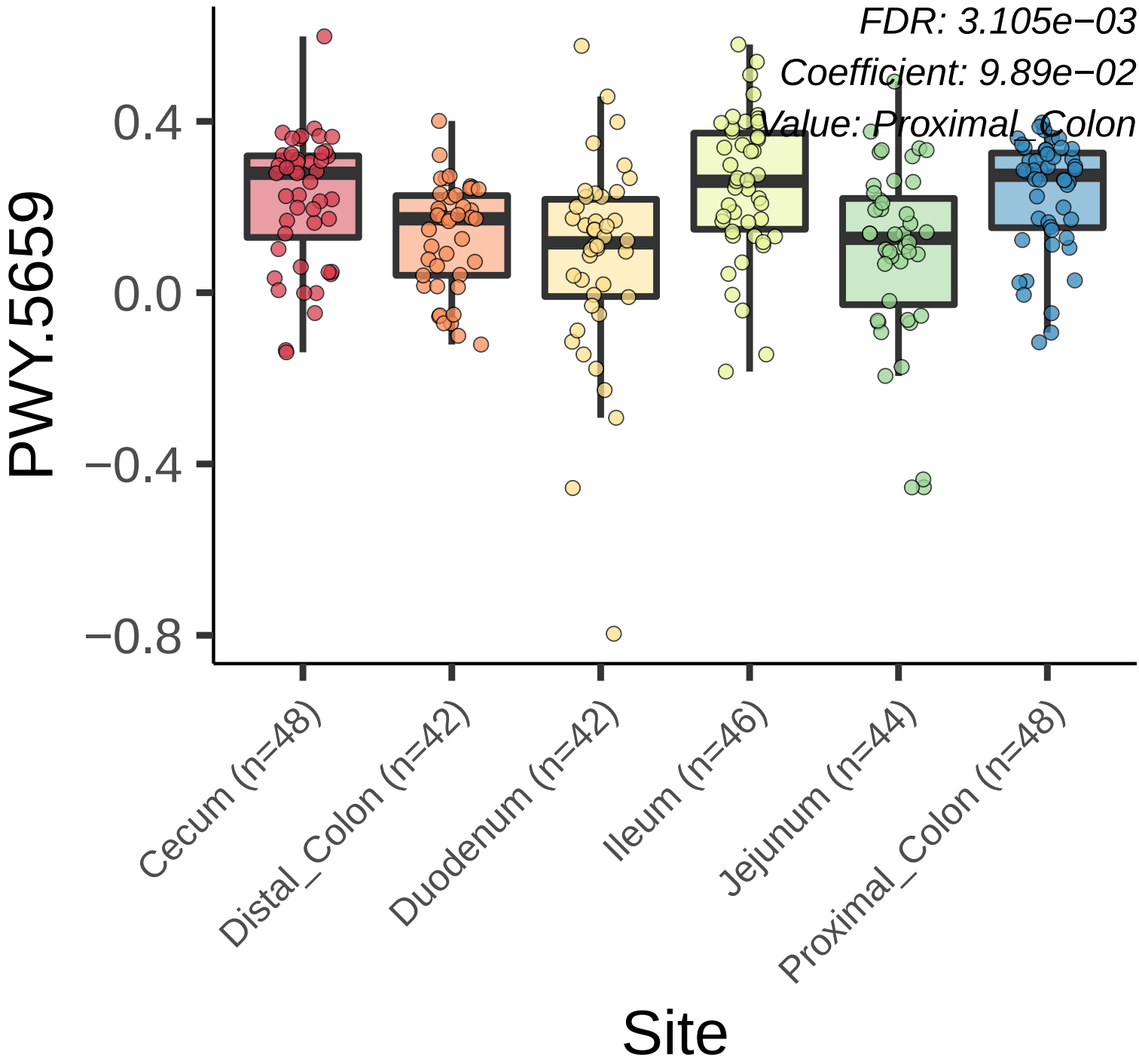

FDR: 2.680e−03
Coefficient: 8.46e−01
Value: Ileum
GOLPDLCAT.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

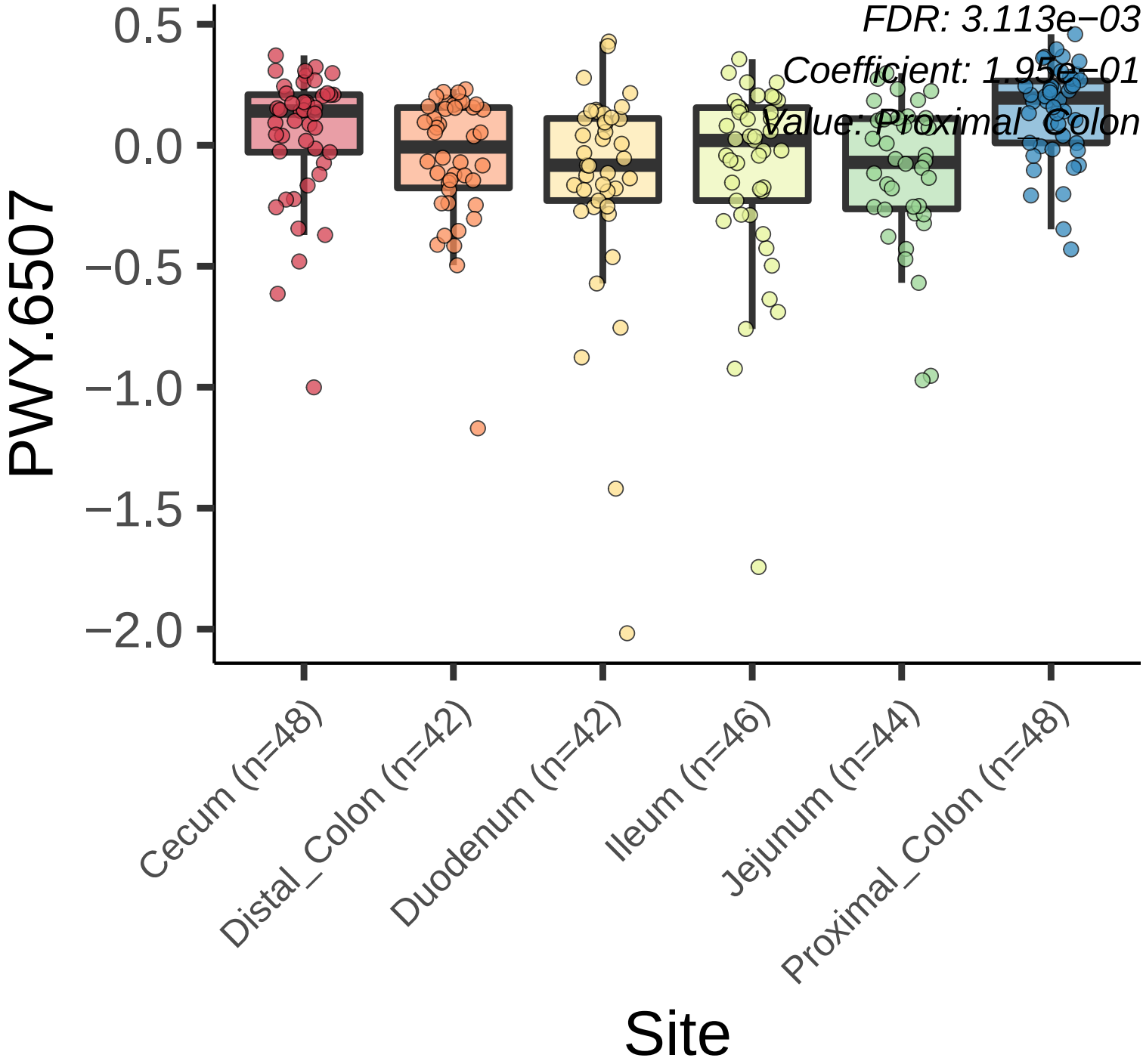

FDR: 2.688e−03
Coefficient: 3.34e−01
Value: Jejunum
PWY.7013
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

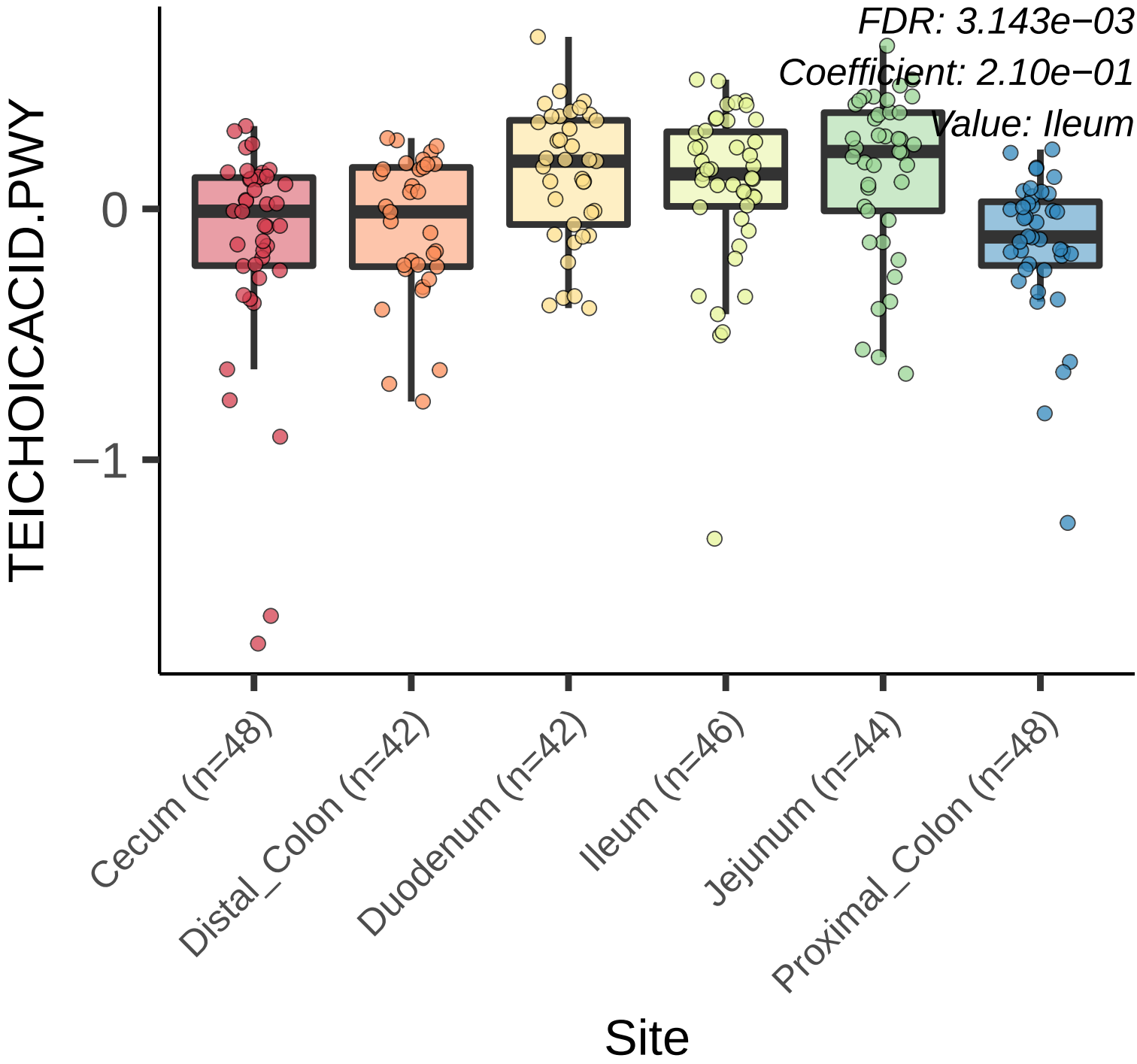

FDR: 2.912e−03
Coefficient: 2.31e−01
Value: Cecum
PWY.6703
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

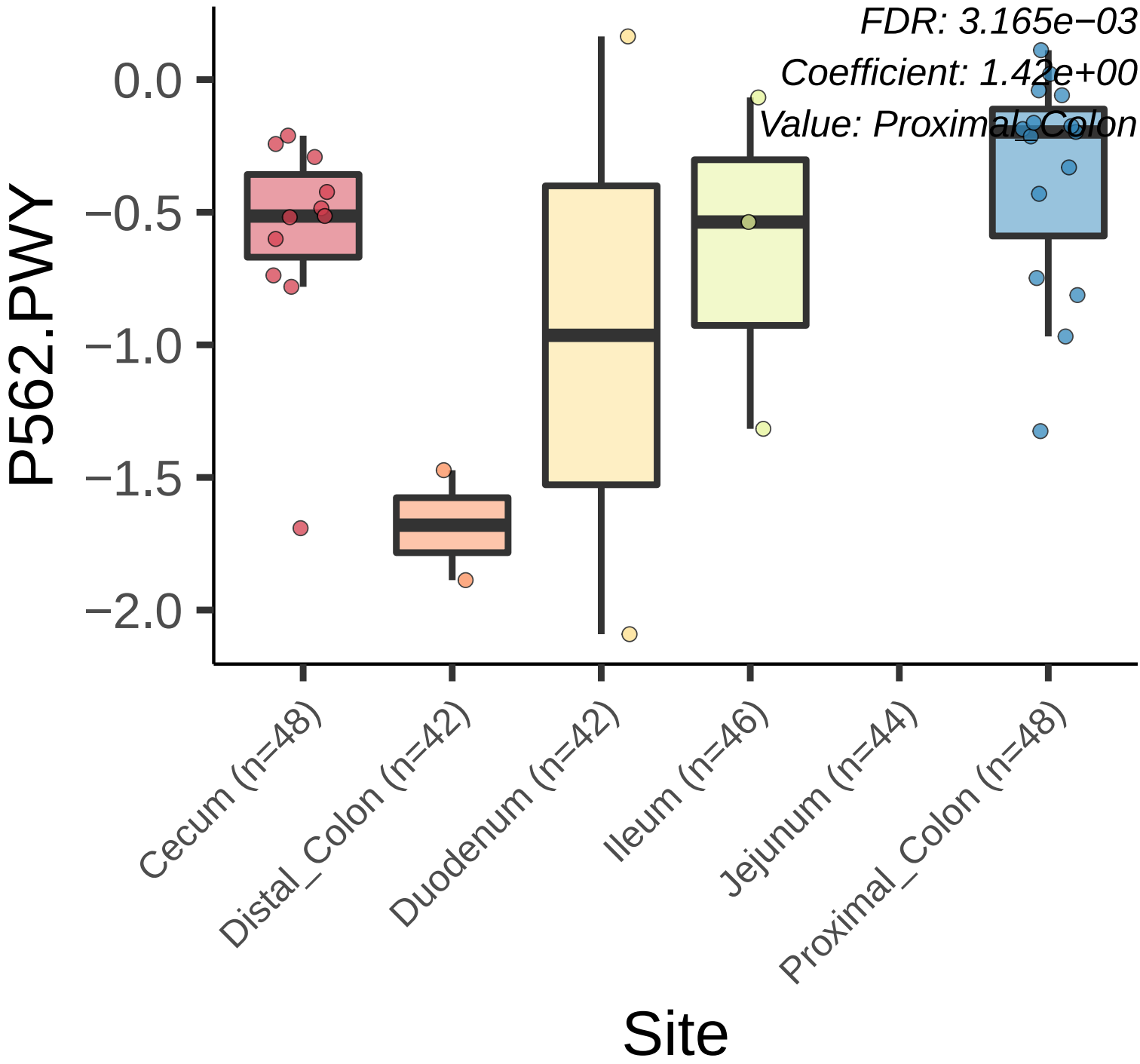

FDR: 3.080e−03
Coefficient: 7.59e−02
Value: Cecum
FERMENTATION.PWY
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

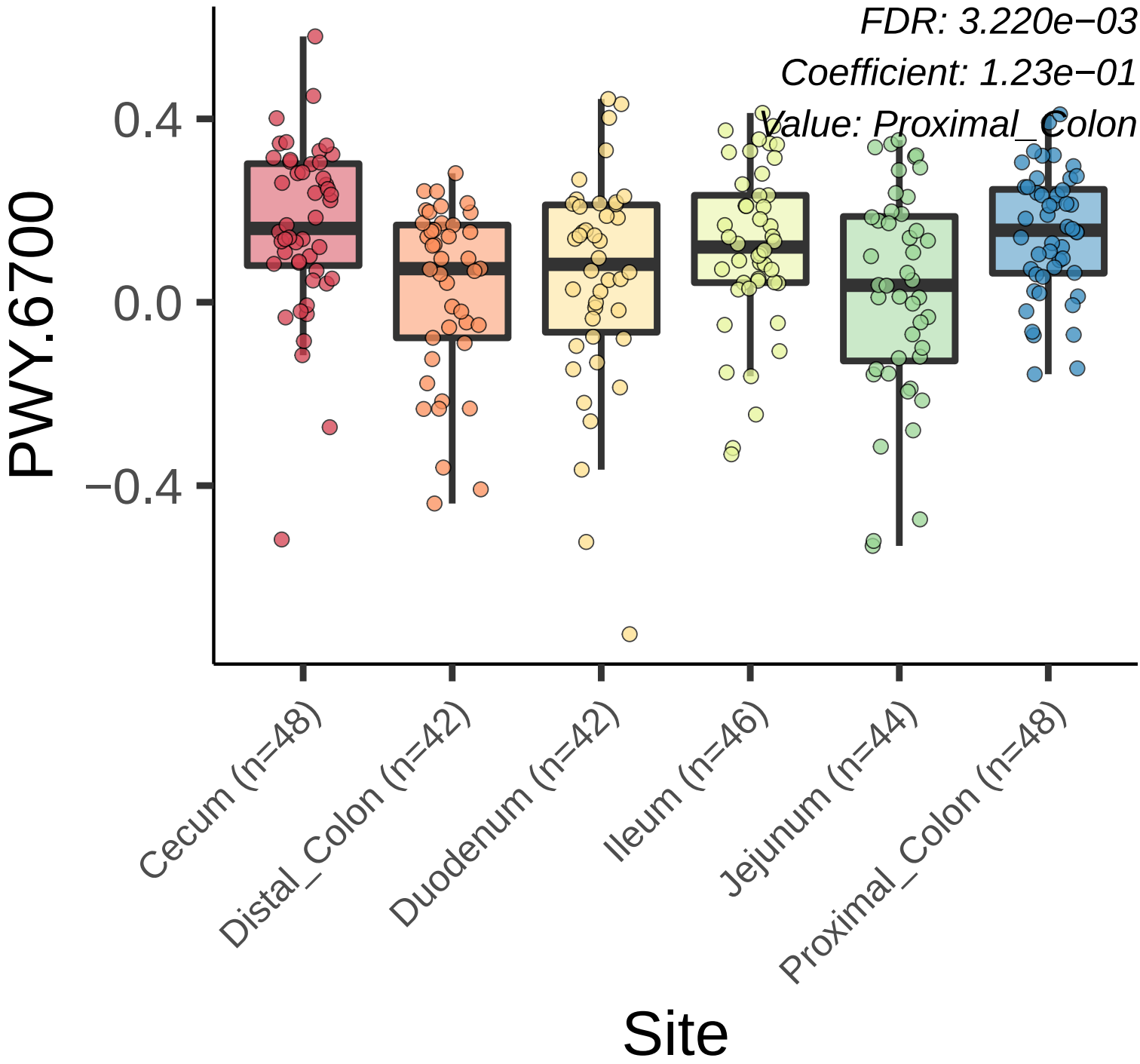

FDR: 3.105e−03
Coefficient: 1.18e−01
Value: Proximal_Colon
PANTO.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

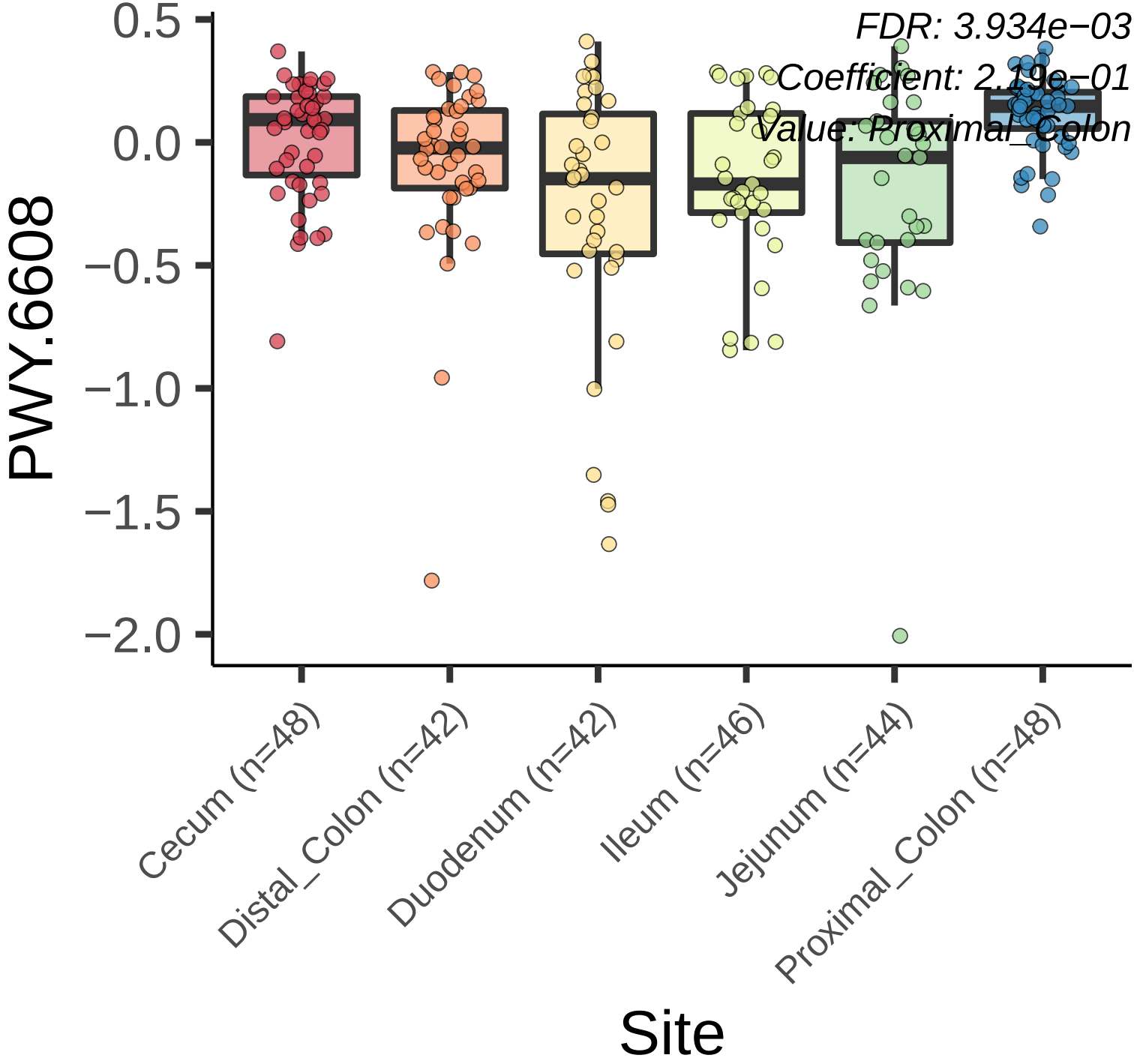

FDR: 3.105e−03
Coefficient: 9.89e−02
Value: Proximal_Colon
PWY.5659
0.4
0.0
−0.4
−0.8
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

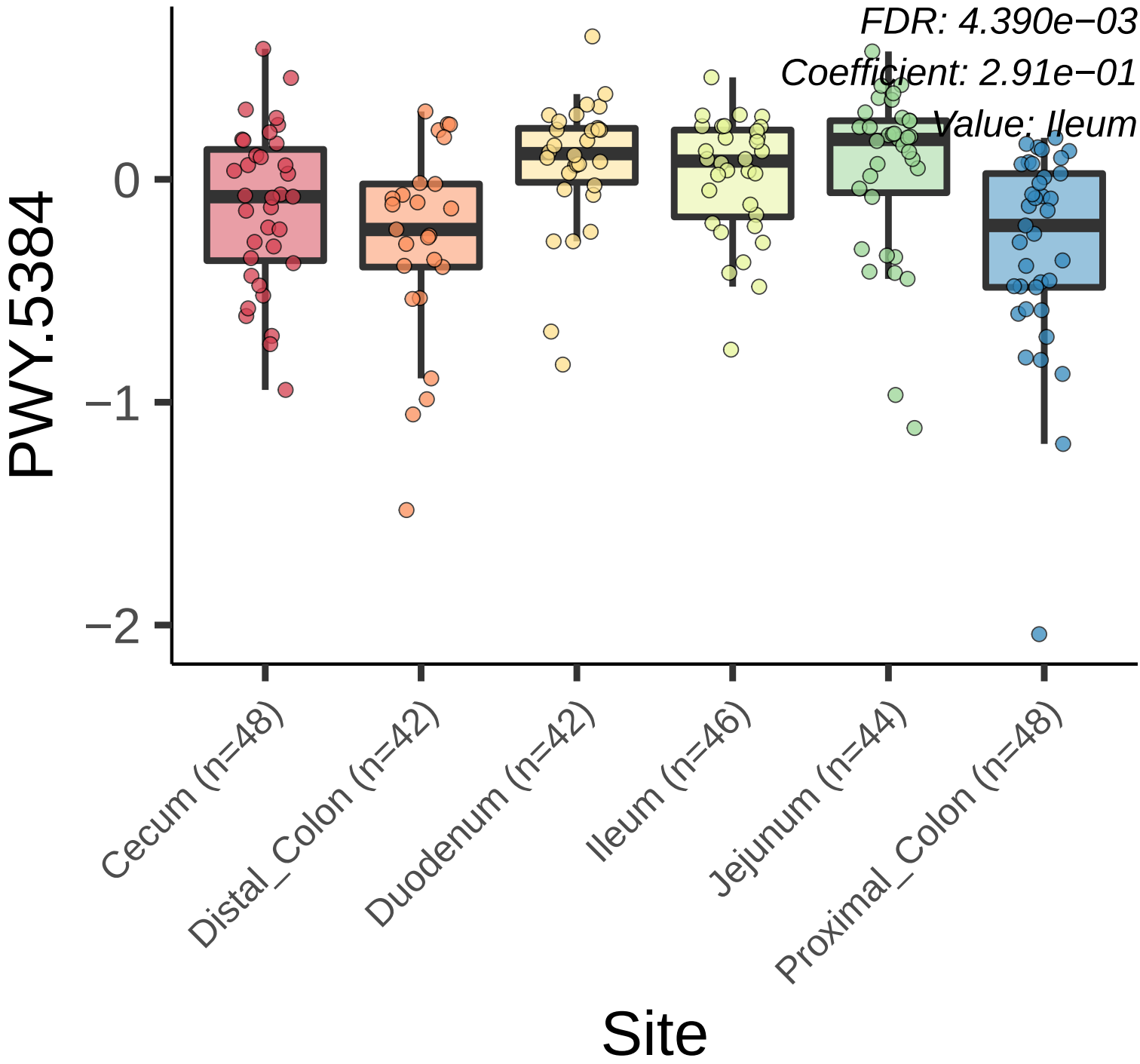

FDR: 3.113e−03
Coefficient: 1.95e−01
Value: Proximal_Colon
PWY.6507
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

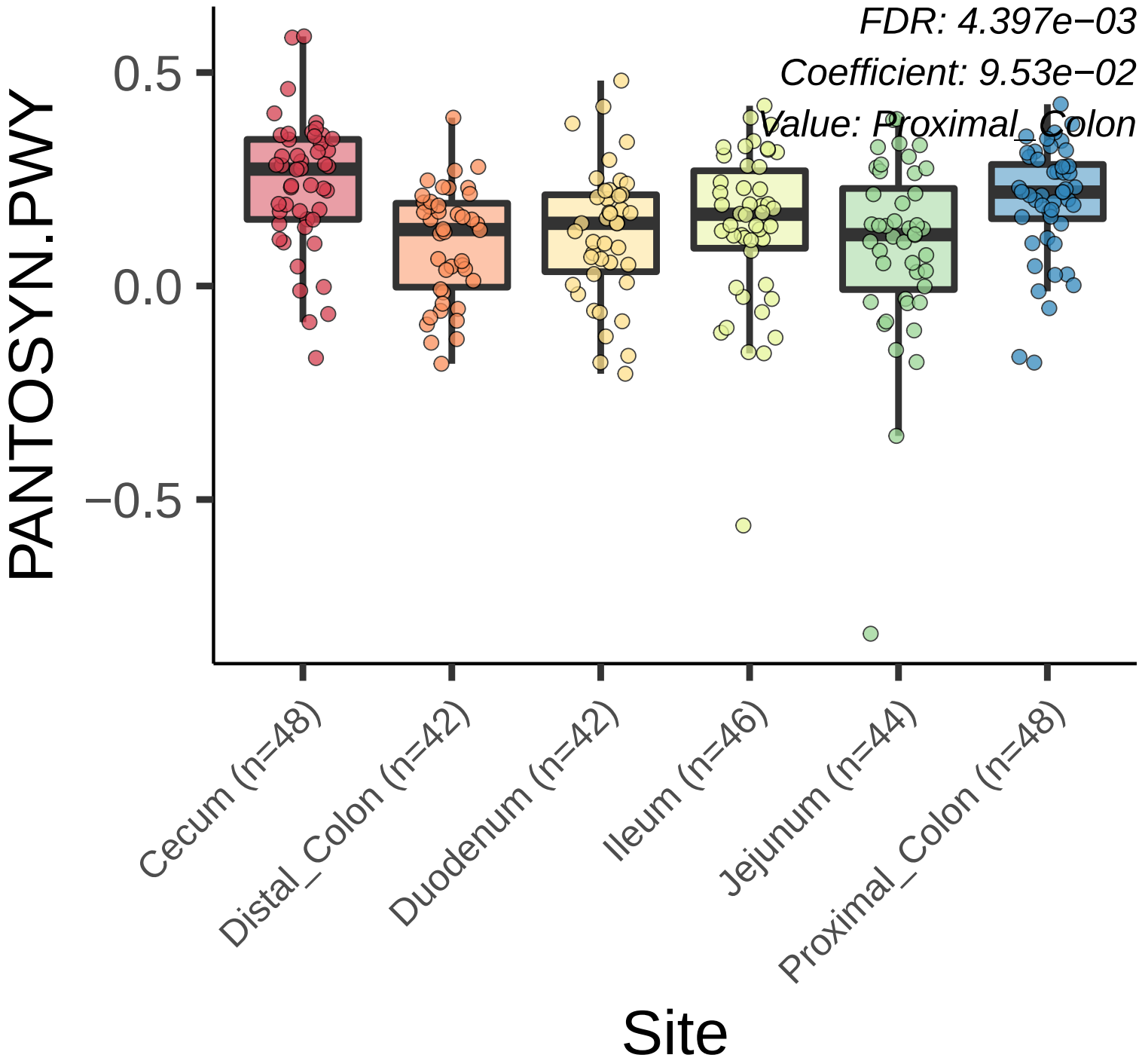

FDR: 3.143e−03
Coefficient: 2.10e−01
Value: Ileum
TEICHOICACID.PWY
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

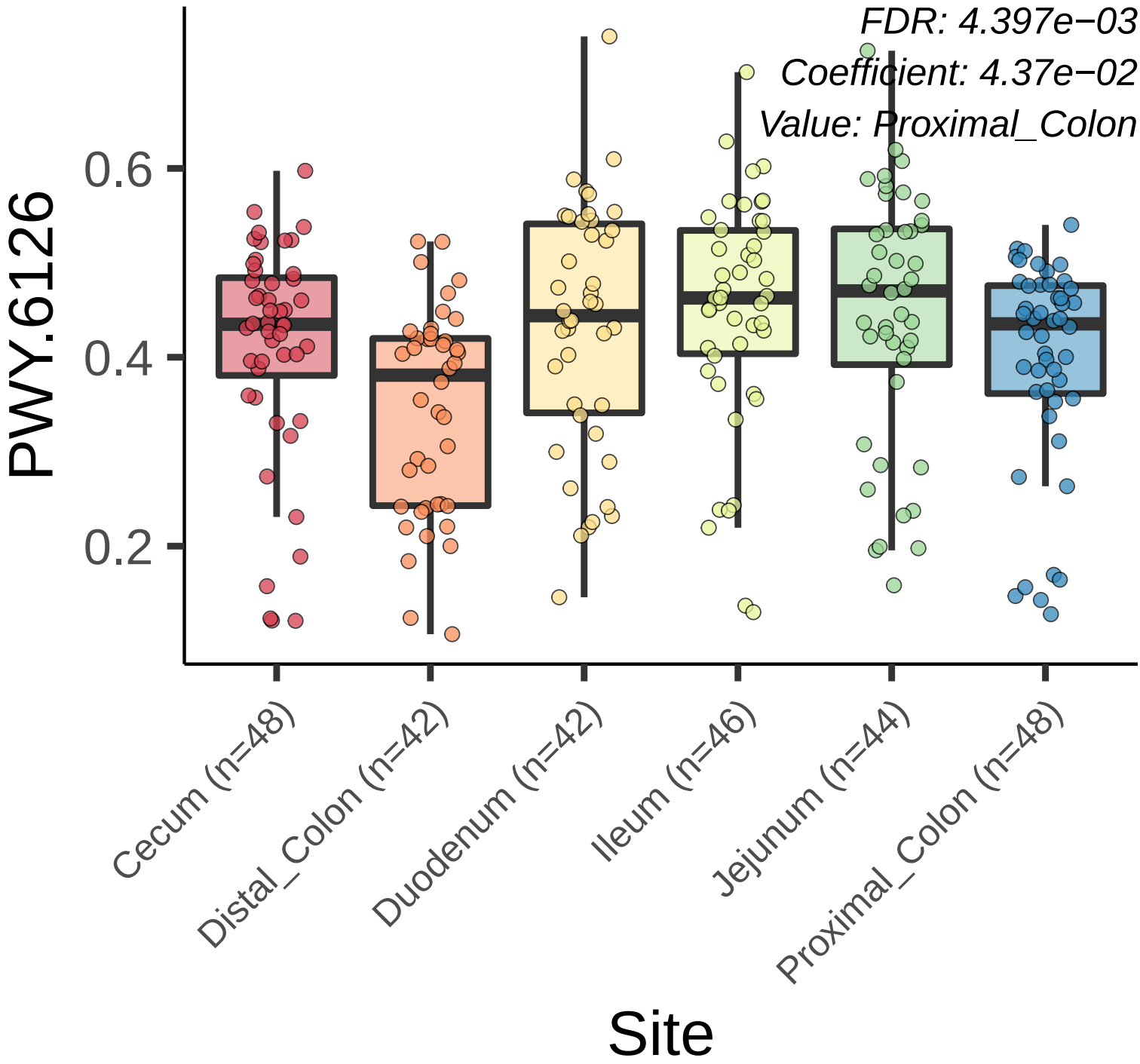

FDR: 3.165e−03
Coefficient: 1.42e+00
Value: Proximal_Colon
P562.PWY
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

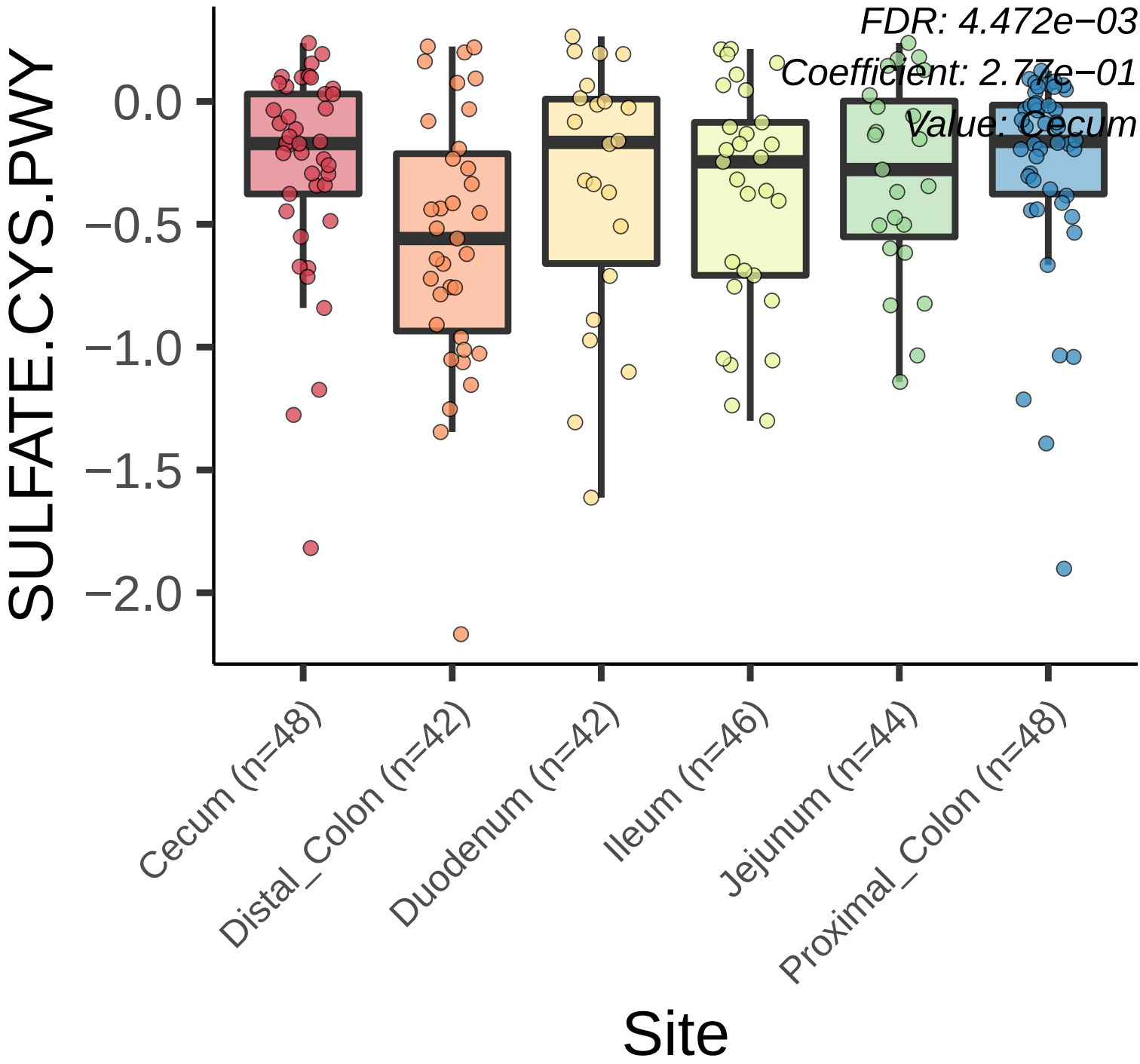

FDR: 3.220e−03
Coefficient: 1.23e−01
Value: Proximal_Colon
PWY.6700
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

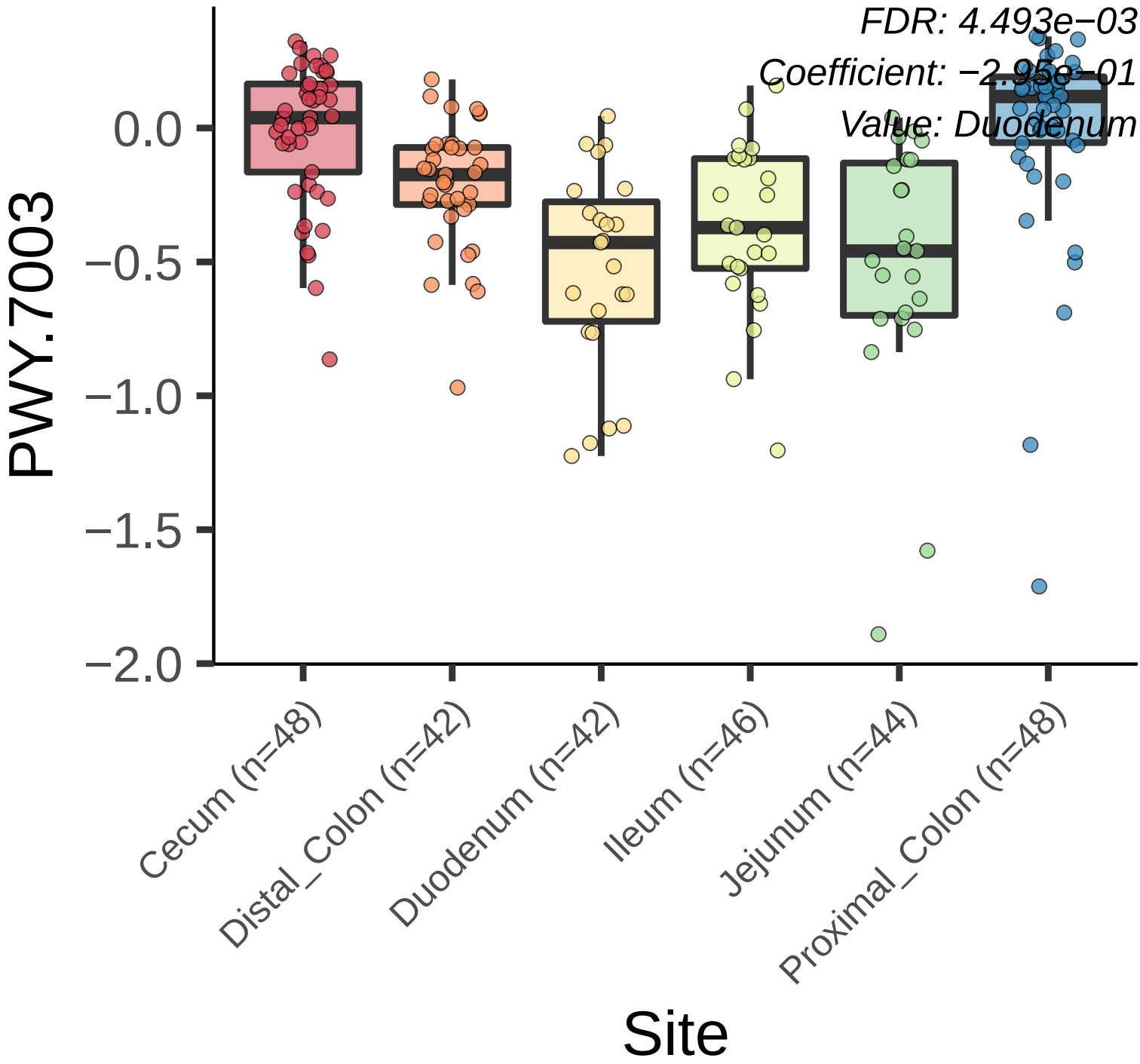

FDR: 3.934e−03
Coefficient: 2.19e−01
Value: Proximal_Colon
PWY.6608
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

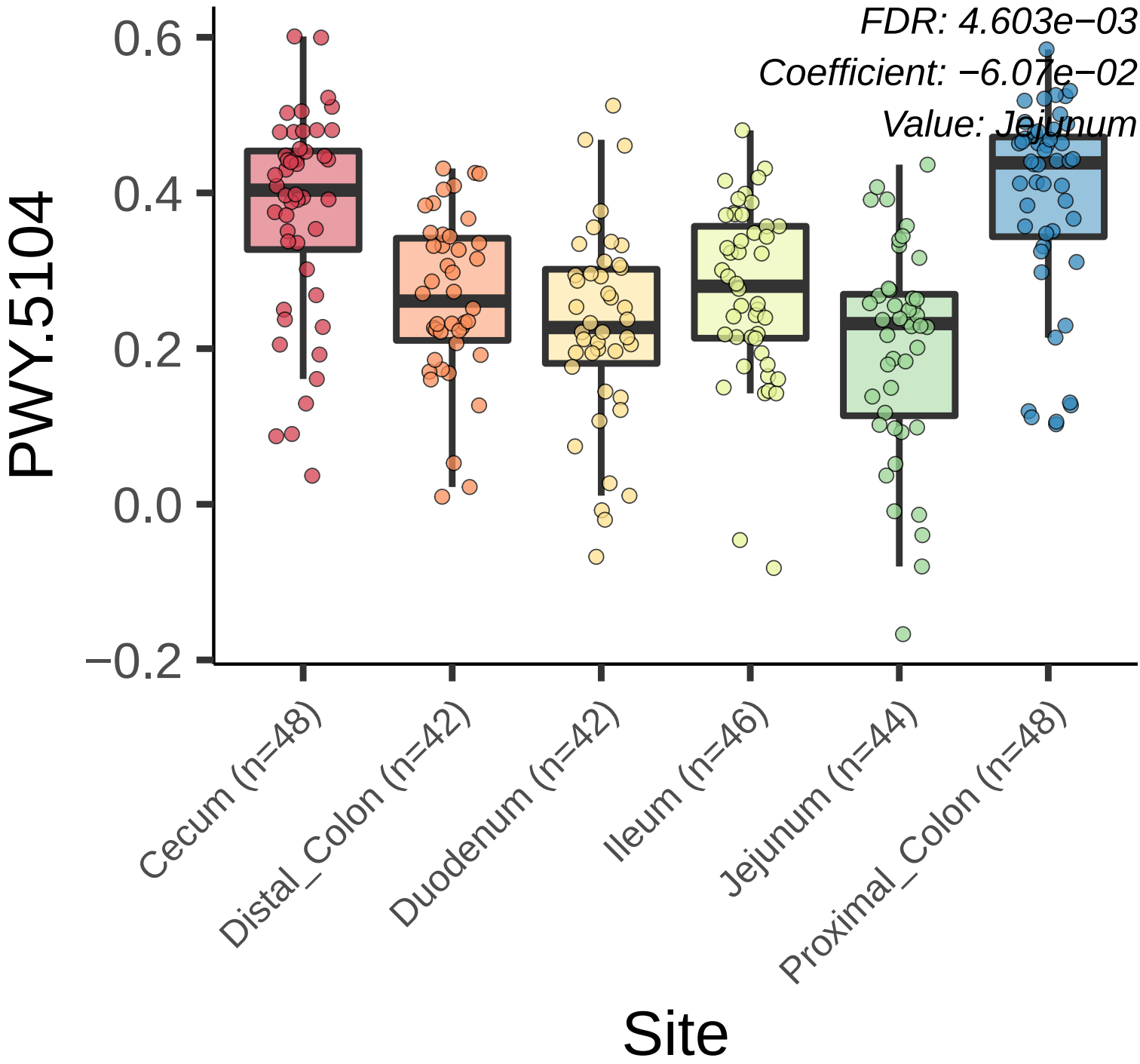

FDR: 4.390e−03
Coefficient: 2.91e−01
Value: Ileum
PWY.5384
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

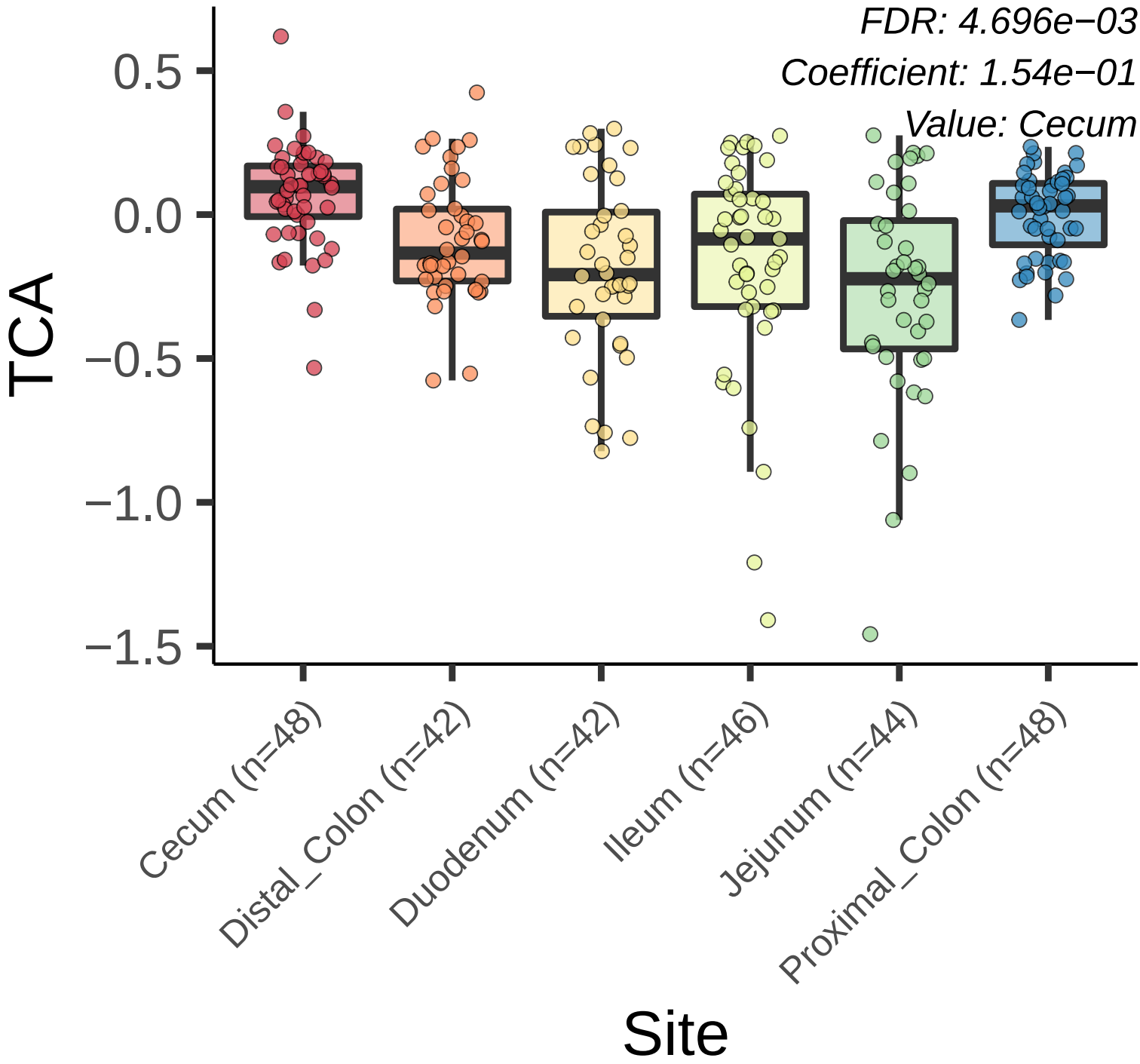

FDR: 4.397e−03
Coefficient: 9.53e−02
Value: Proximal_Colon
PANTOSYN.PWY
0.5
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

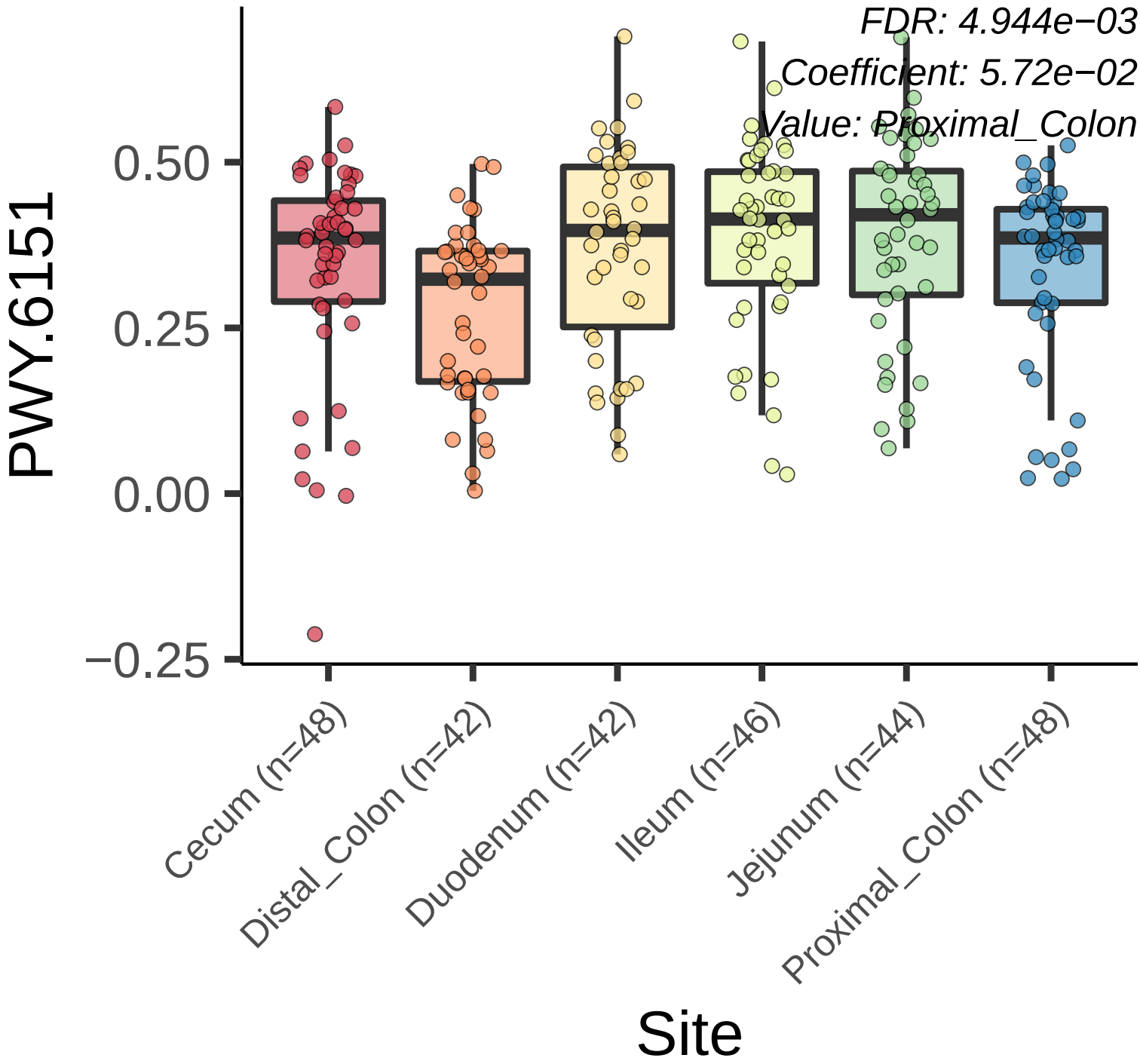

FDR: 4.397e−03
Coefficient: 4.37e−02
Value: Proximal_Colon
PWY.6126
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

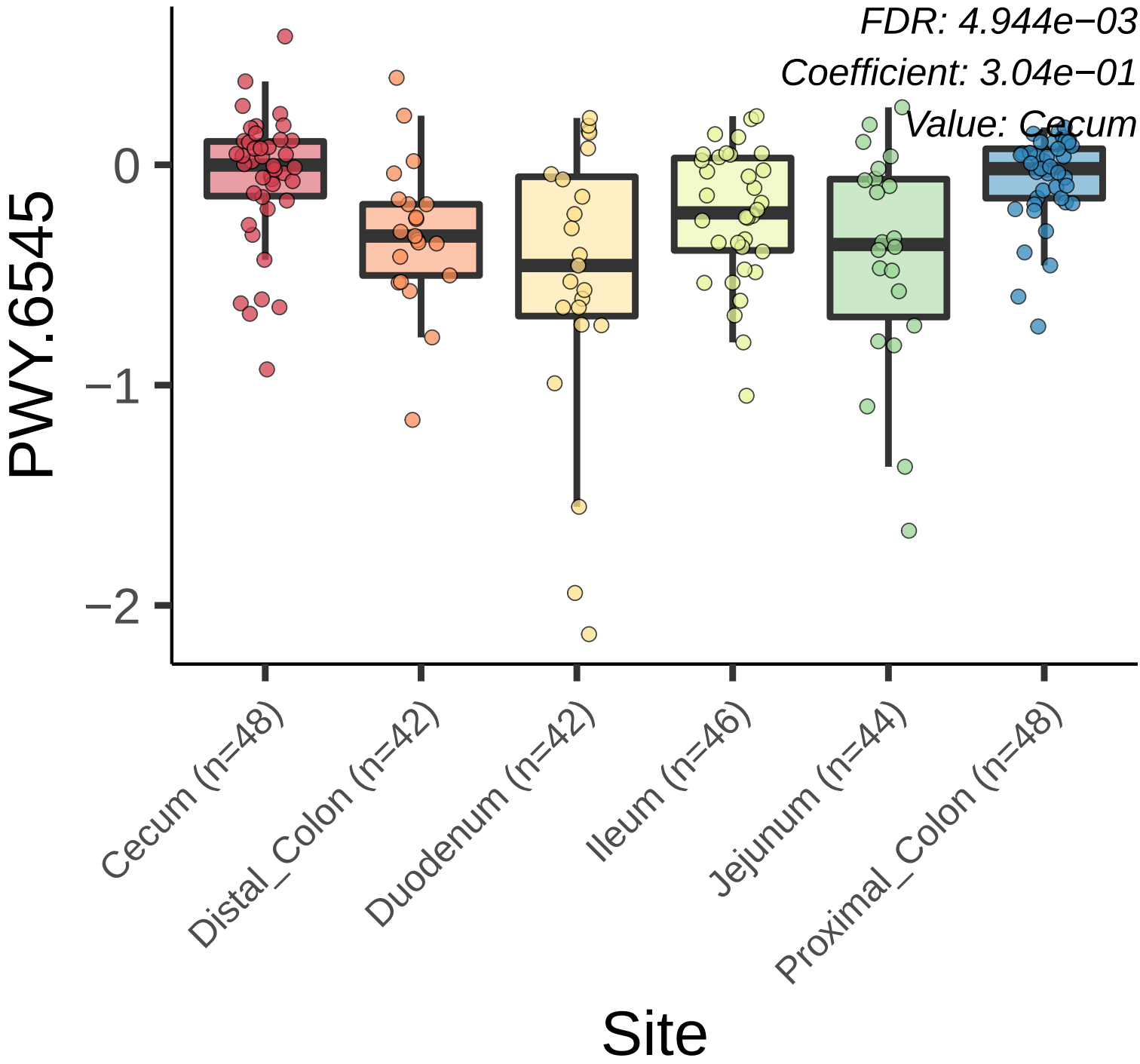

FDR: 4.472e−03
Coefficient: 2.77e−01
Value: Cecum
SULFATE.CYS.PWY
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

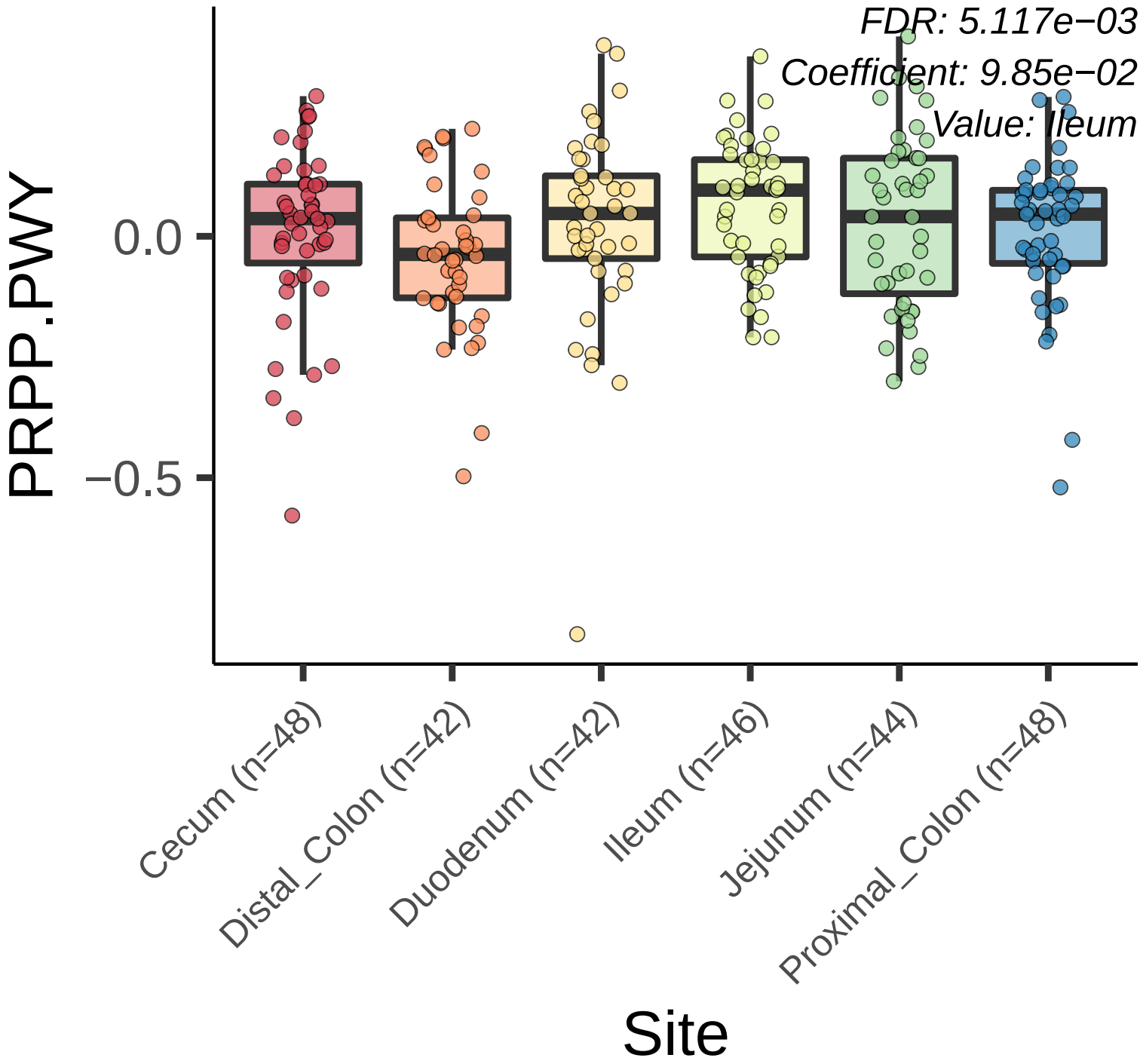

FDR: 4.493e−03
Coefficient: −2.95e−01
Value: Duodenum
PWY.7003
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

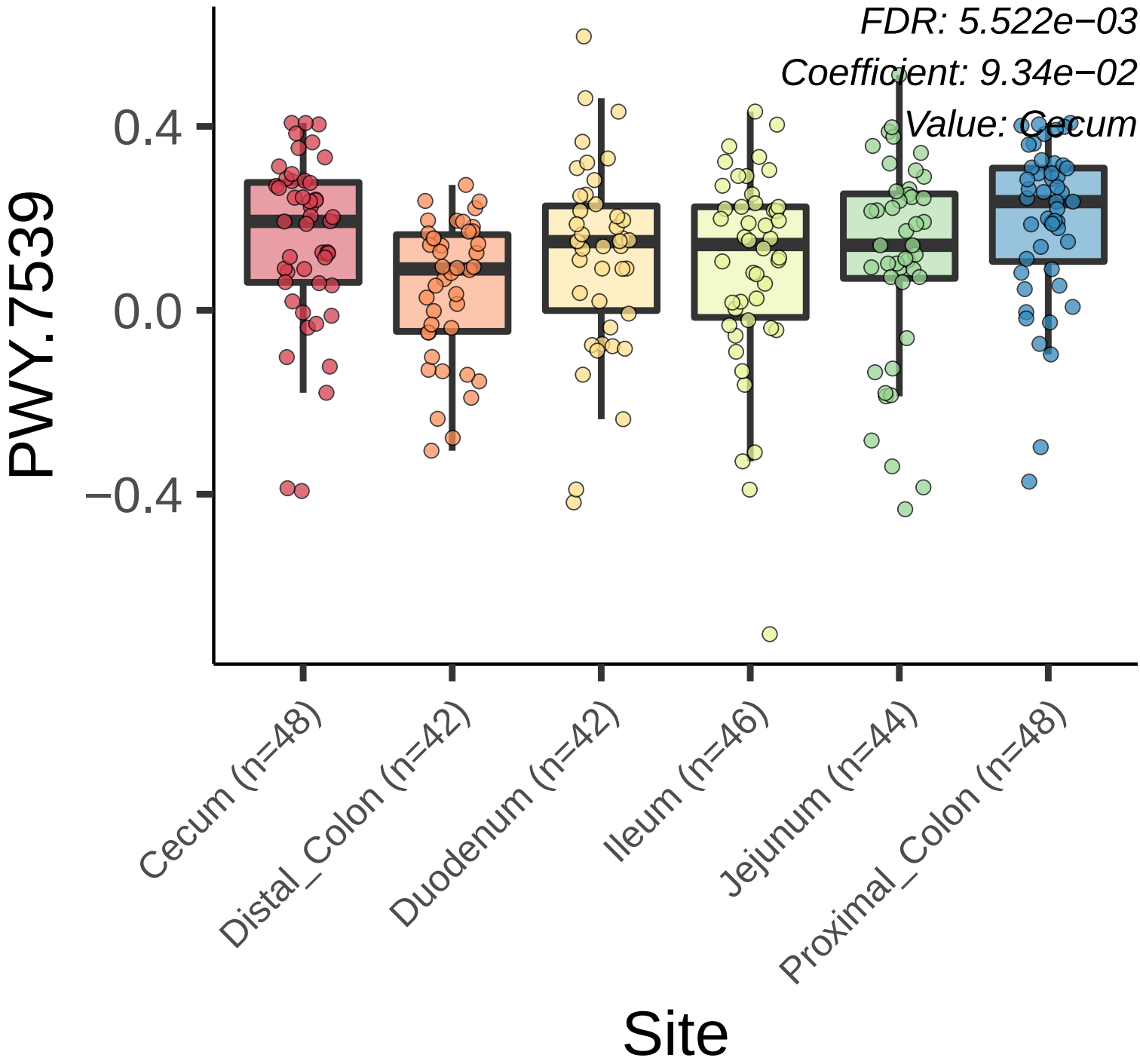

FDR: 4.603e−03
Coefficient: −6.07e−02
Value: Jejunum
PWY.5104
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

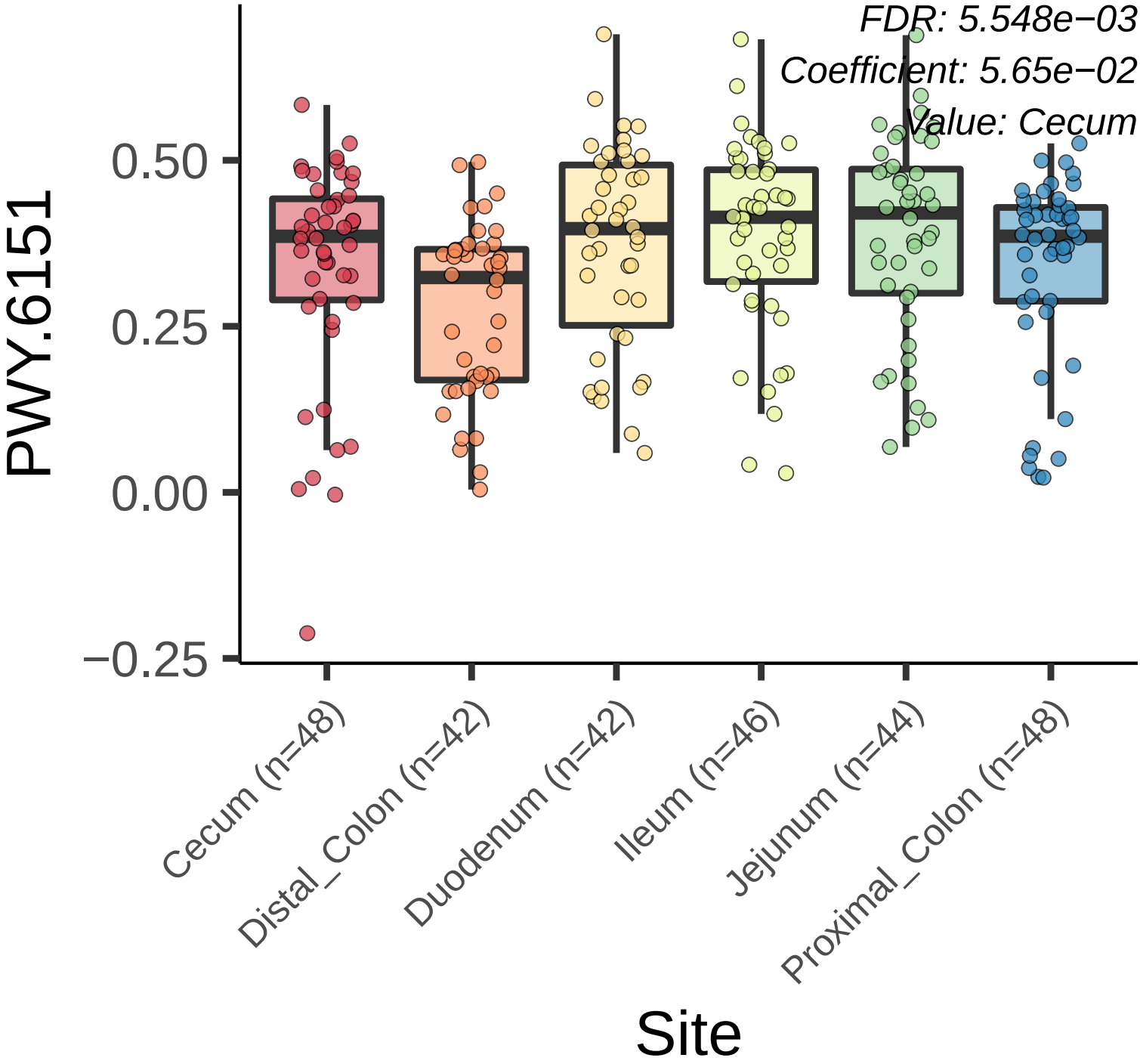

FDR: 4.696e−03
Coefficient: 1.54e−01
Value: Cecum
TCA
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

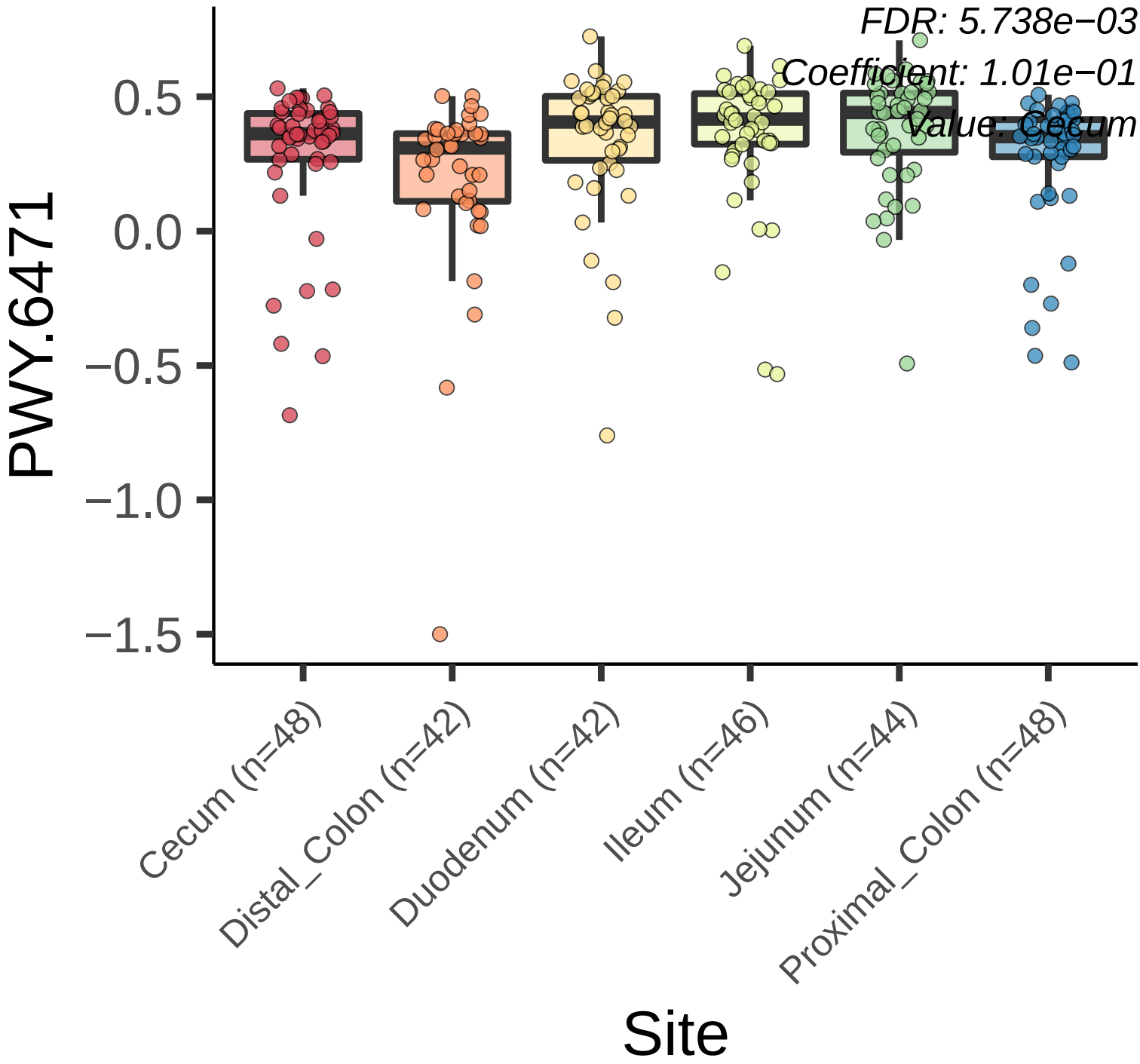

FDR: 4.944e−03
Coefficient: 5.72e−02
Value: Proximal_Colon
PWY.6151
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

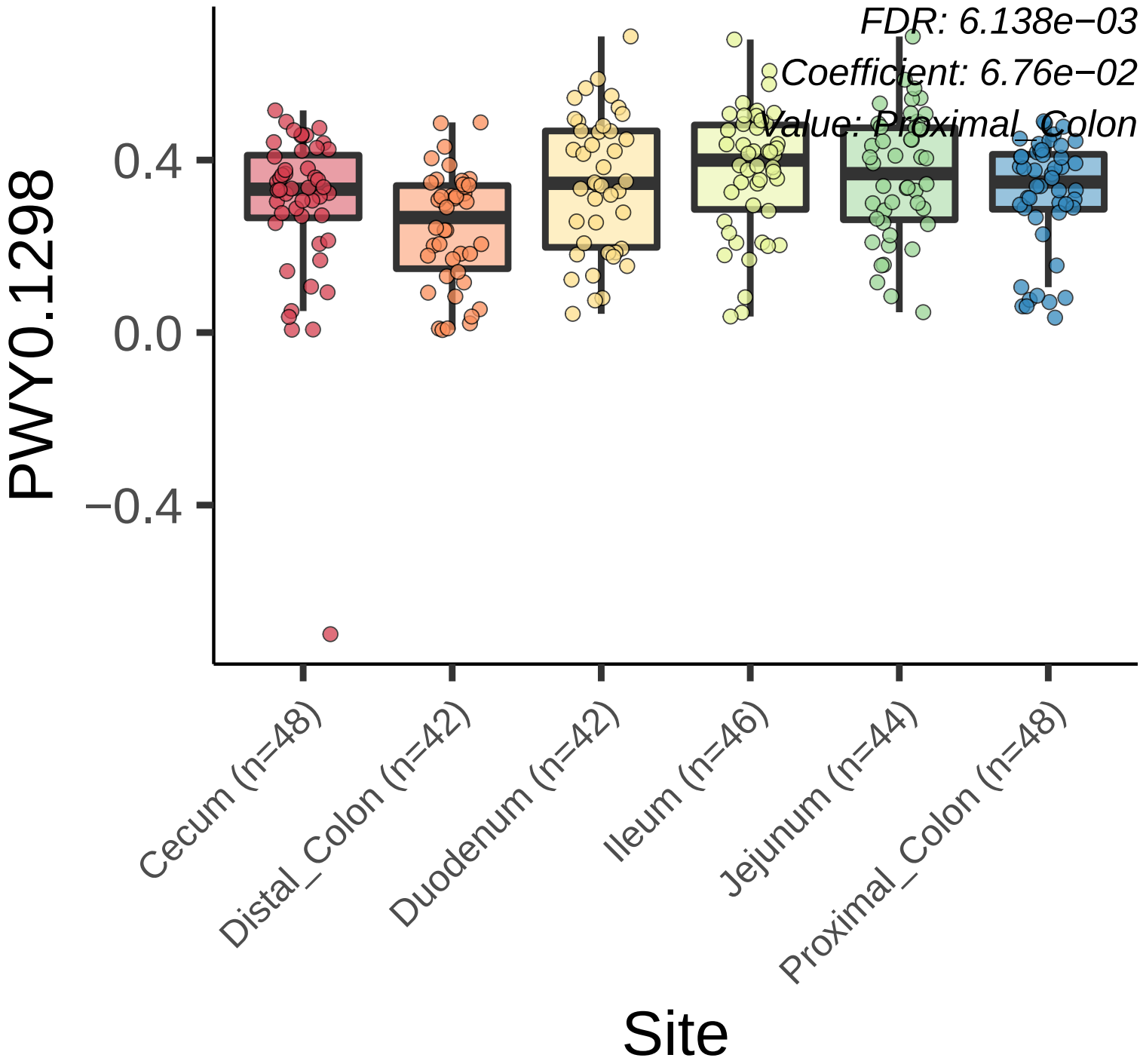

FDR: 4.944e−03
Coefficient: 3.04e−01
Value: Cecum
PWY.6545
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

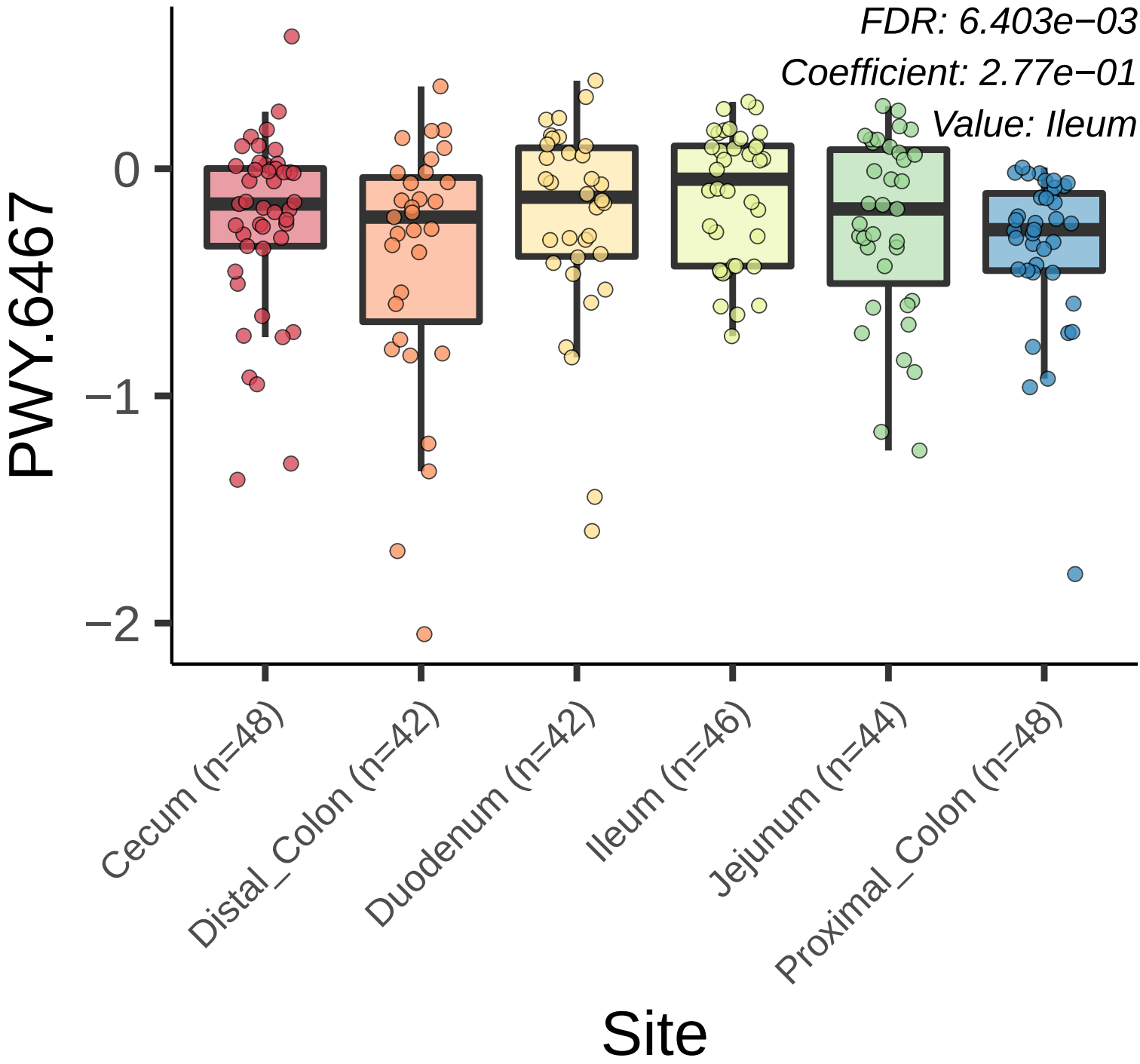

FDR: 5.117e−03
Coefficient: 9.85e−02
Value: Ileum
PRPP.PWY
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

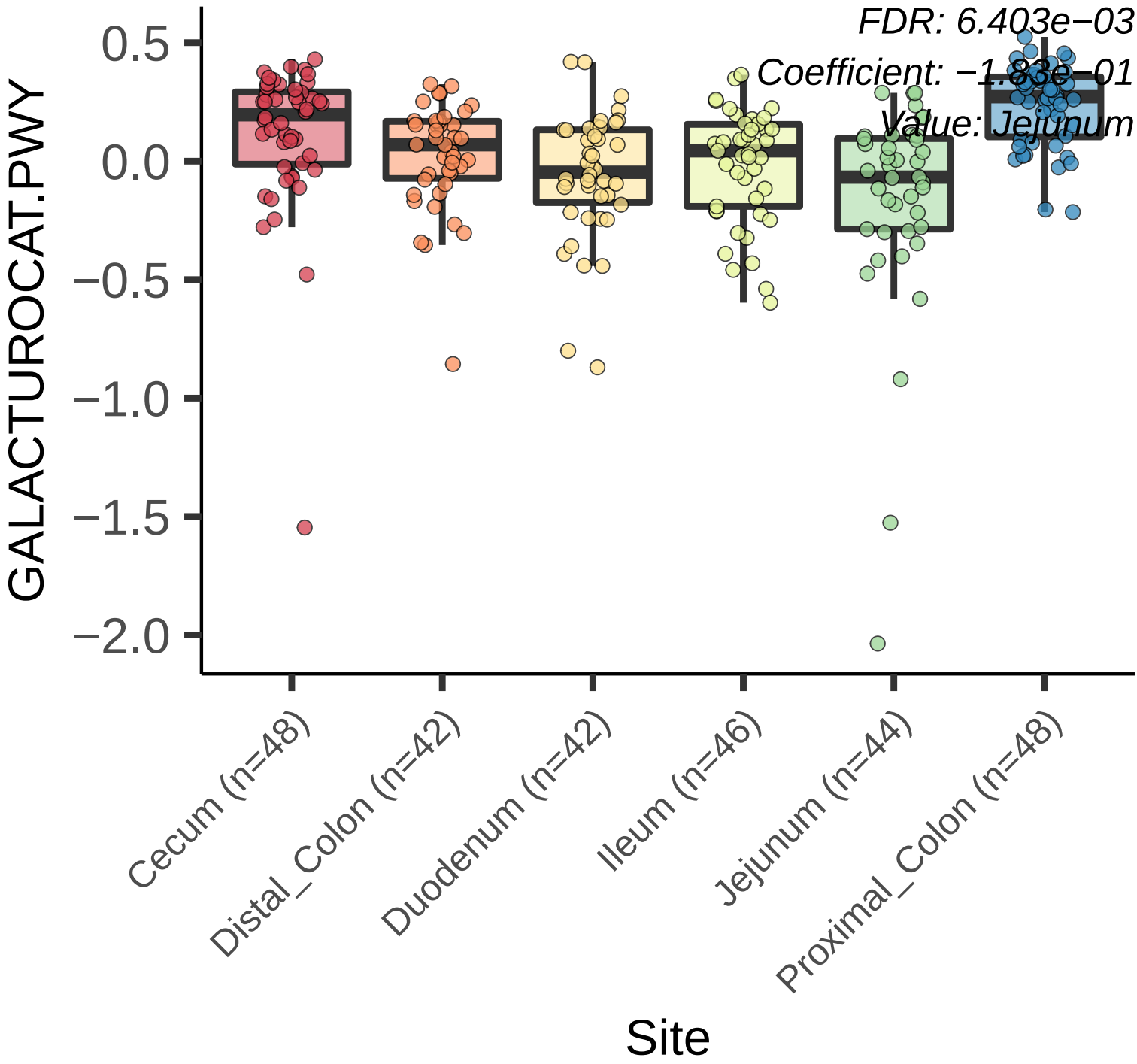

FDR: 5.522e−03
Coefficient: 9.34e−02
Value: Cecum
PWY.7539
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

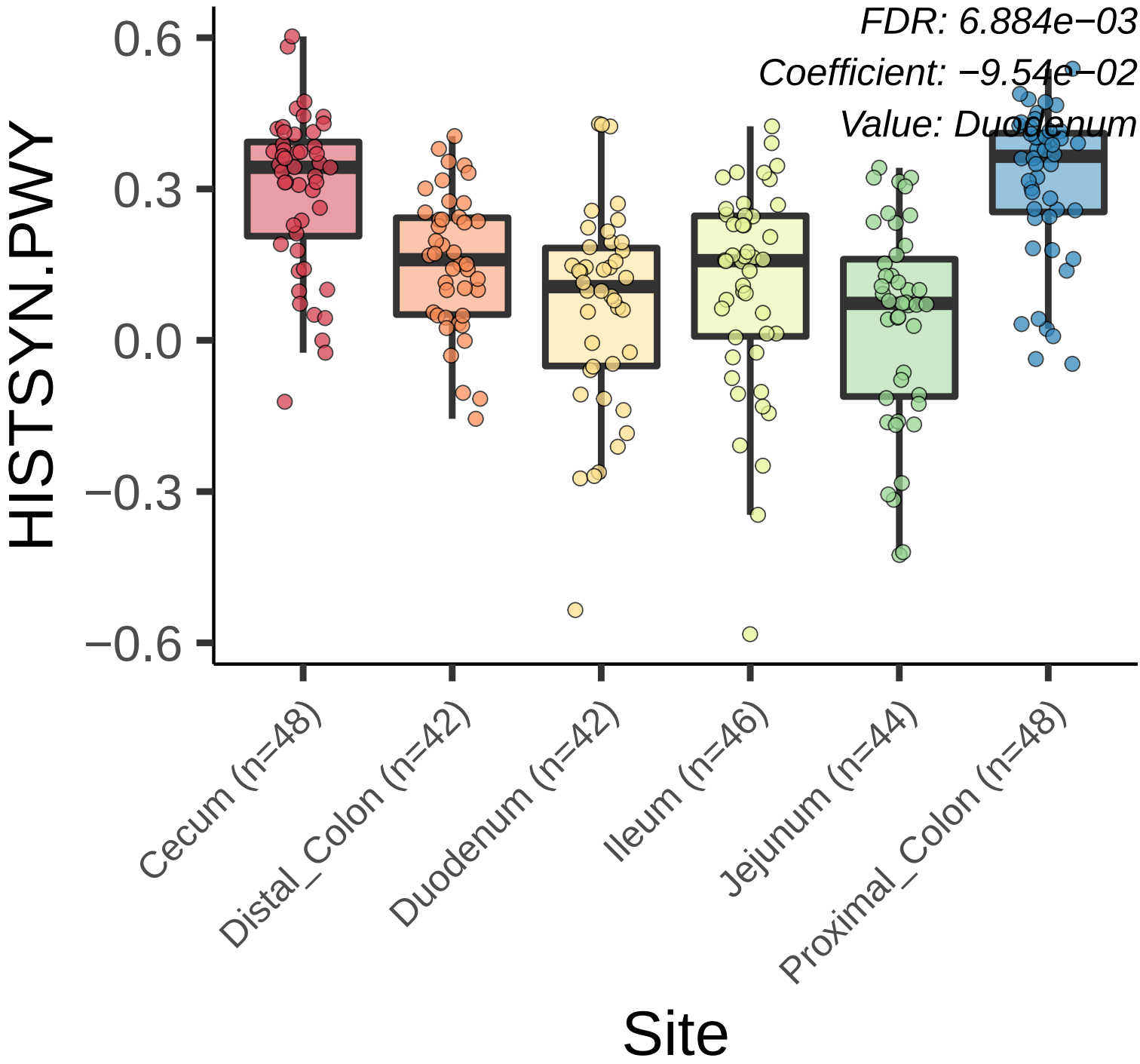

FDR: 5.548e−03
Coefficient: 5.65e−02
Value: Cecum
PWY.6151
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

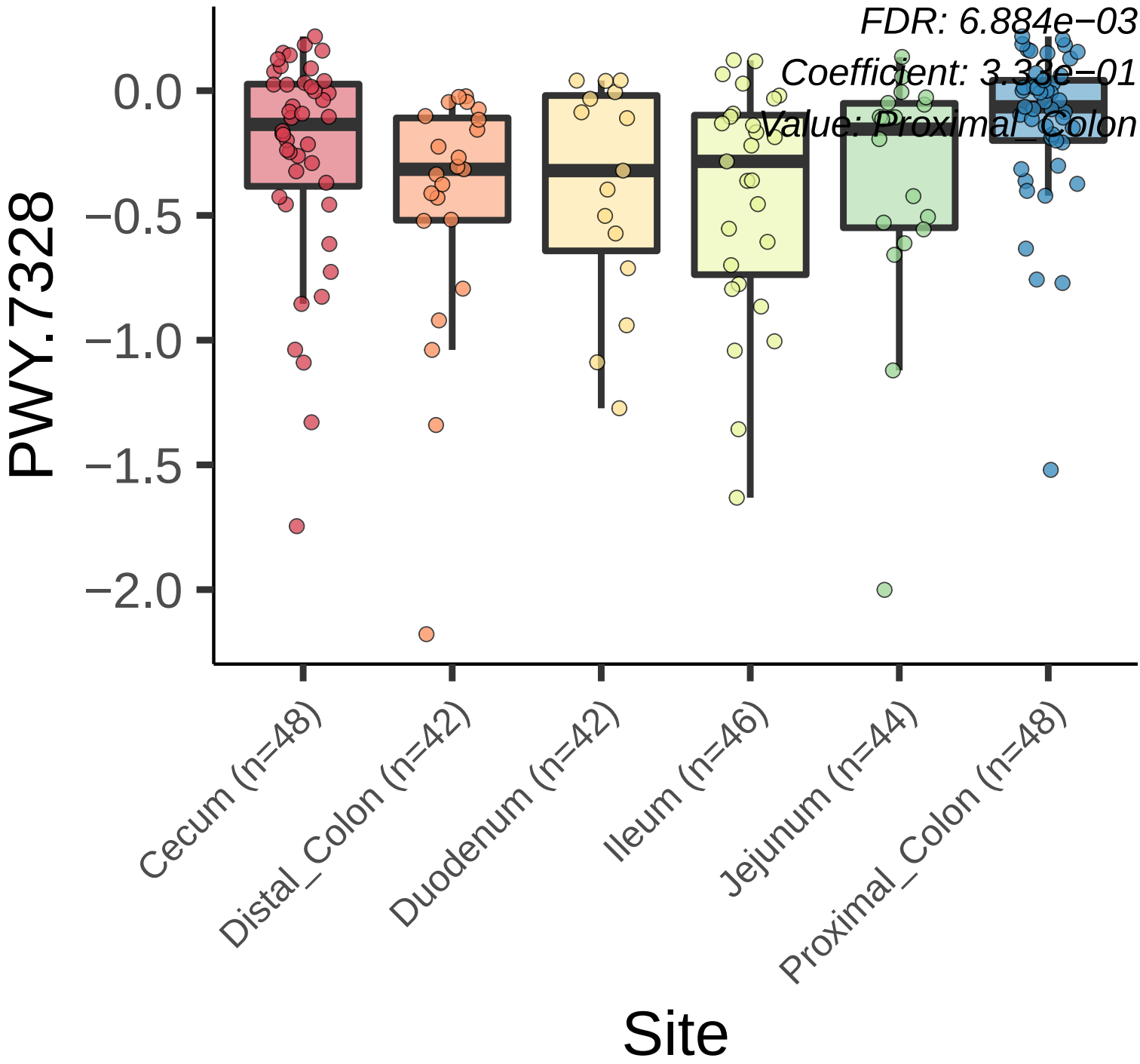

FDR: 5.738e−03
Coefficient: 1.01e−01
Value: Cecum
PWY.6471
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

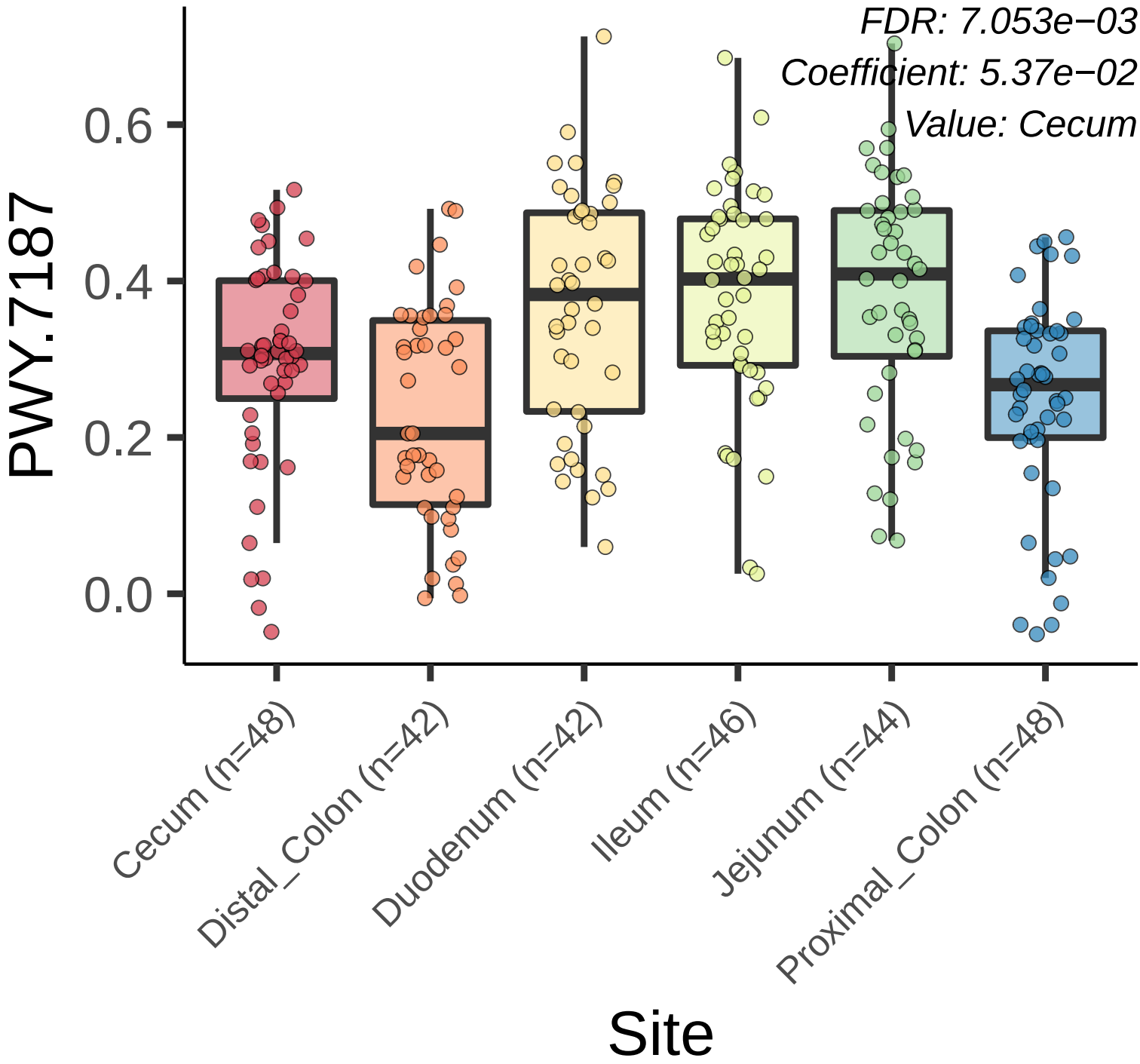

FDR: 6.138e−03
Coefficient: 6.76e−02
Value: Proximal_Colon
PWY0.1298
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

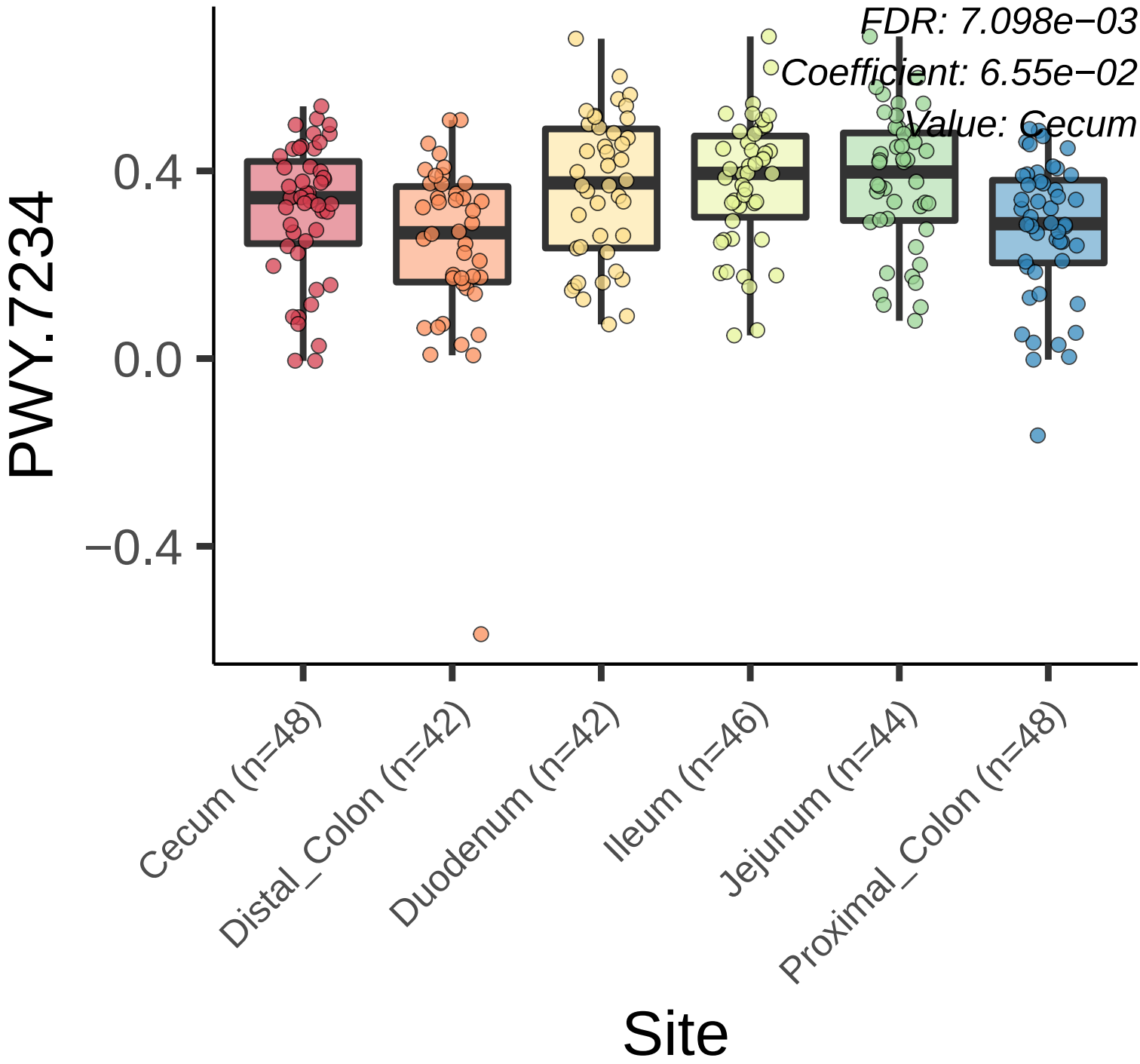

FDR: 6.403e−03
Coefficient: 2.77e−01
Value: Ileum
PWY.6467
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

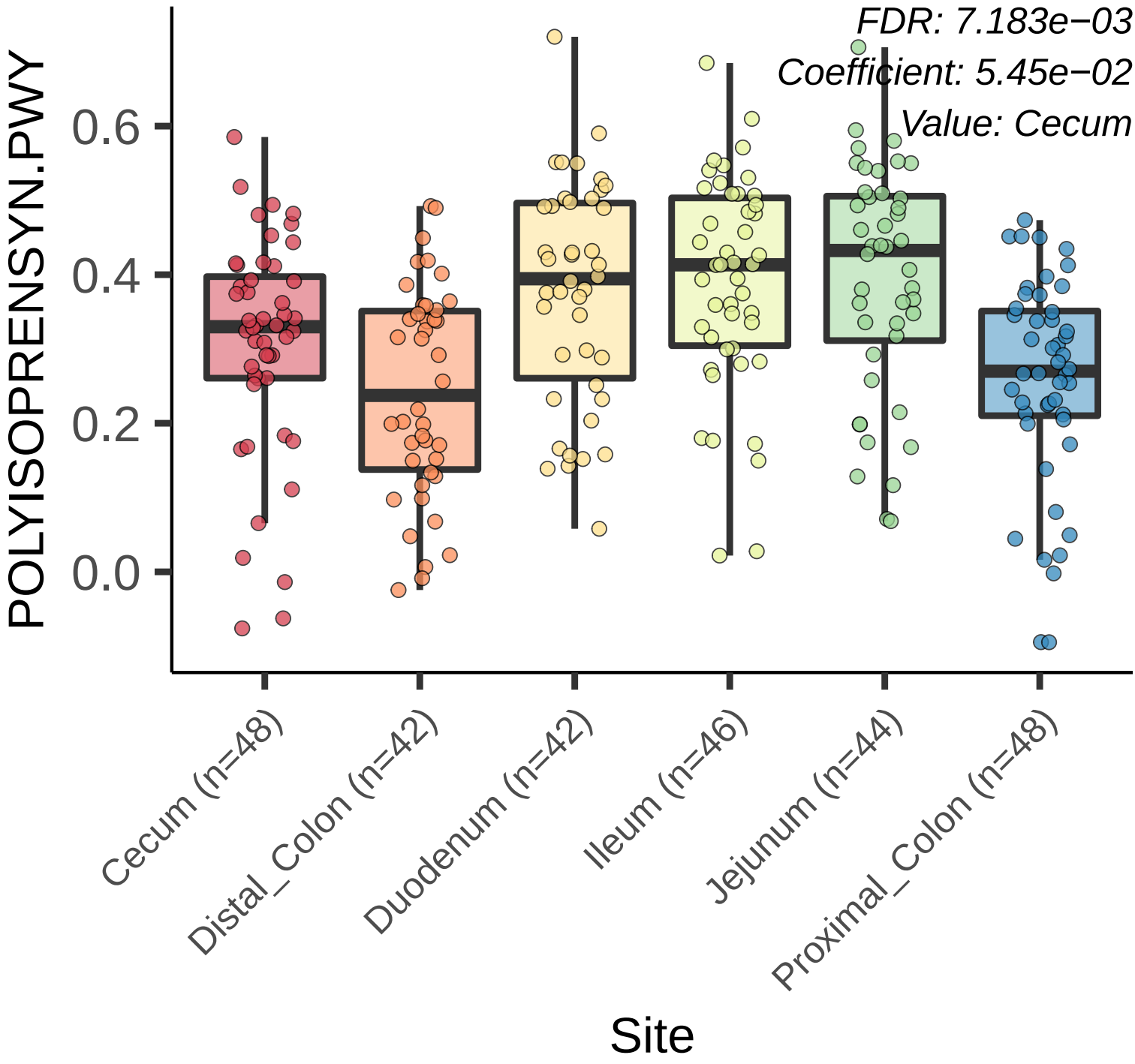

FDR: 6.403e−03
Coefficient: −1.83e−01
Value: Jejunum
GALACTUROCAT.PWY
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

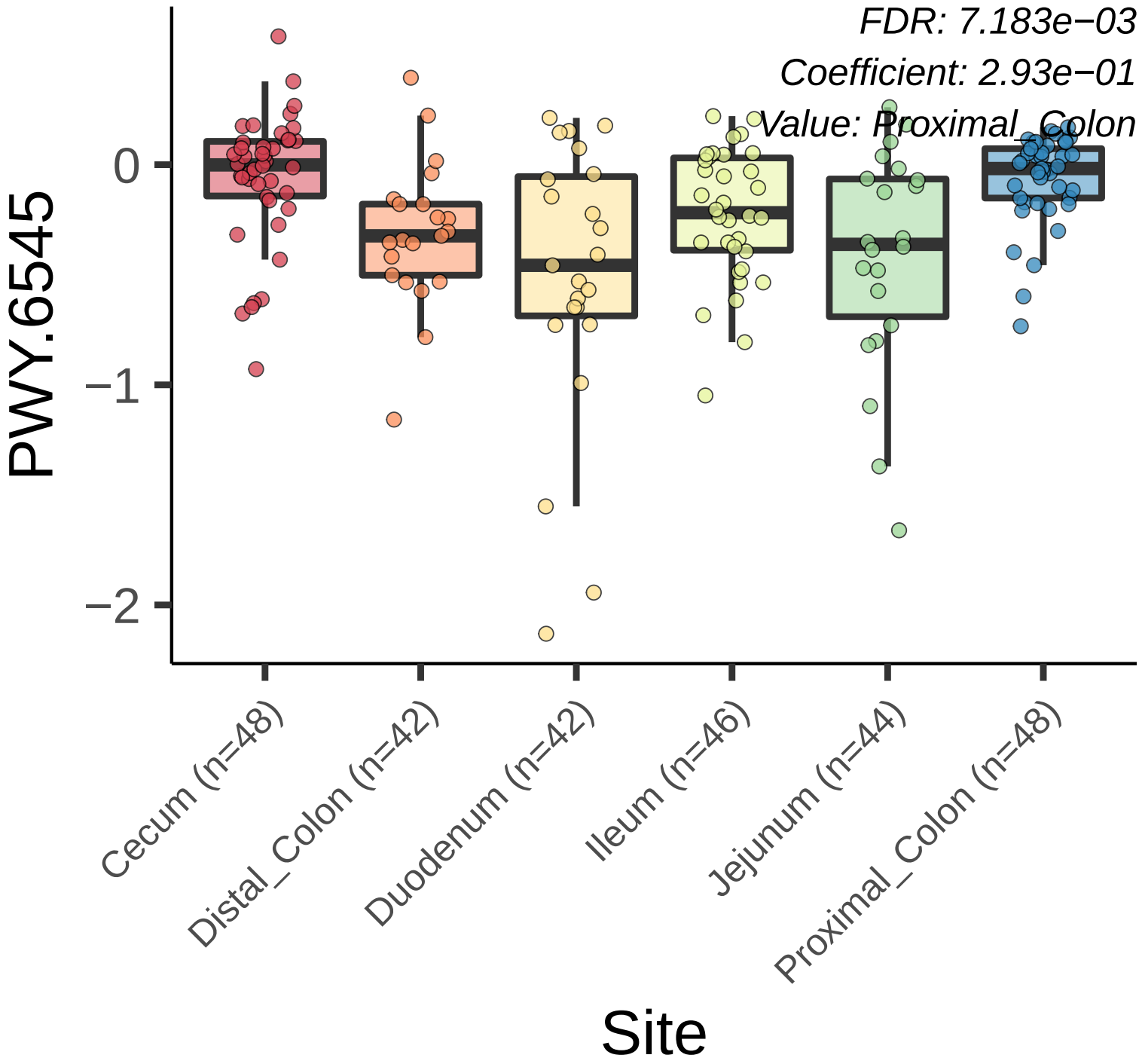

FDR: 6.884e−03
Coefficient: −9.54e−02
Value: Duodenum
HISTSYN.PWY
0.6
0.3
0.0
−0.3
−0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

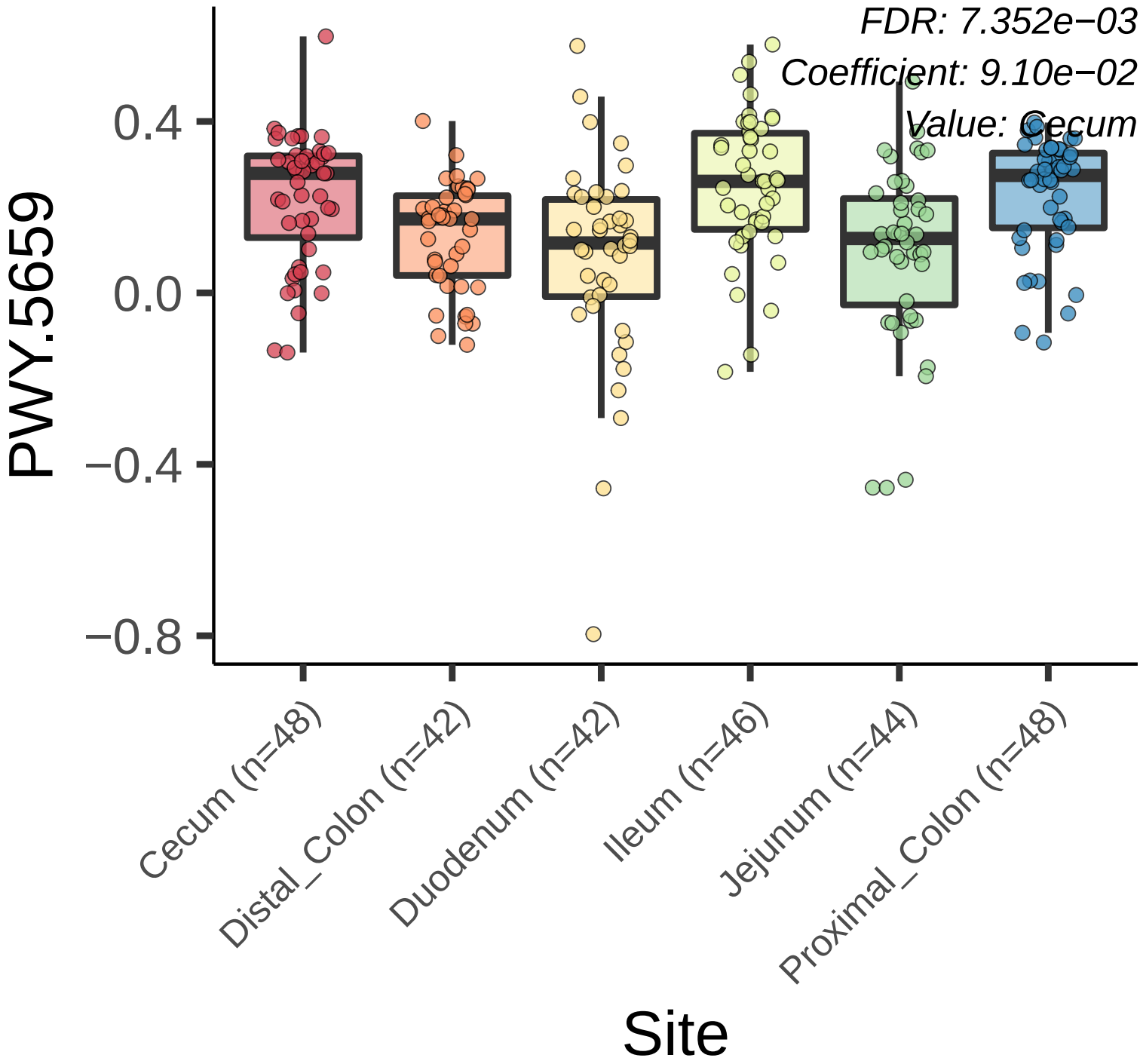

FDR: 6.884e−03
Coefficient: 3.33e−01
Value: Proximal_Colon
PWY.7328
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

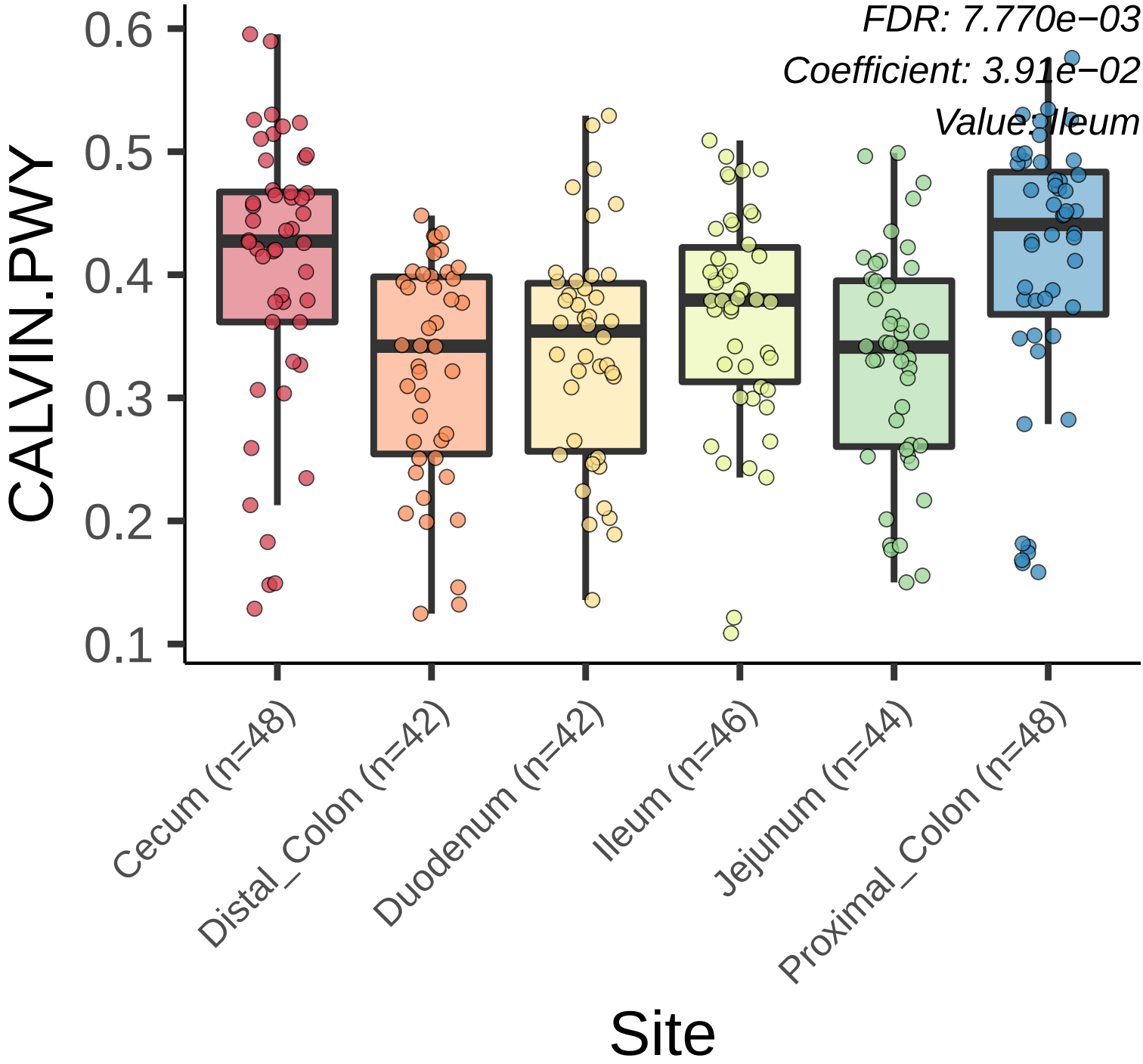

FDR: 7.053e−03
Coefficient: 5.37e−02
Value: Cecum
PWY.7187
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

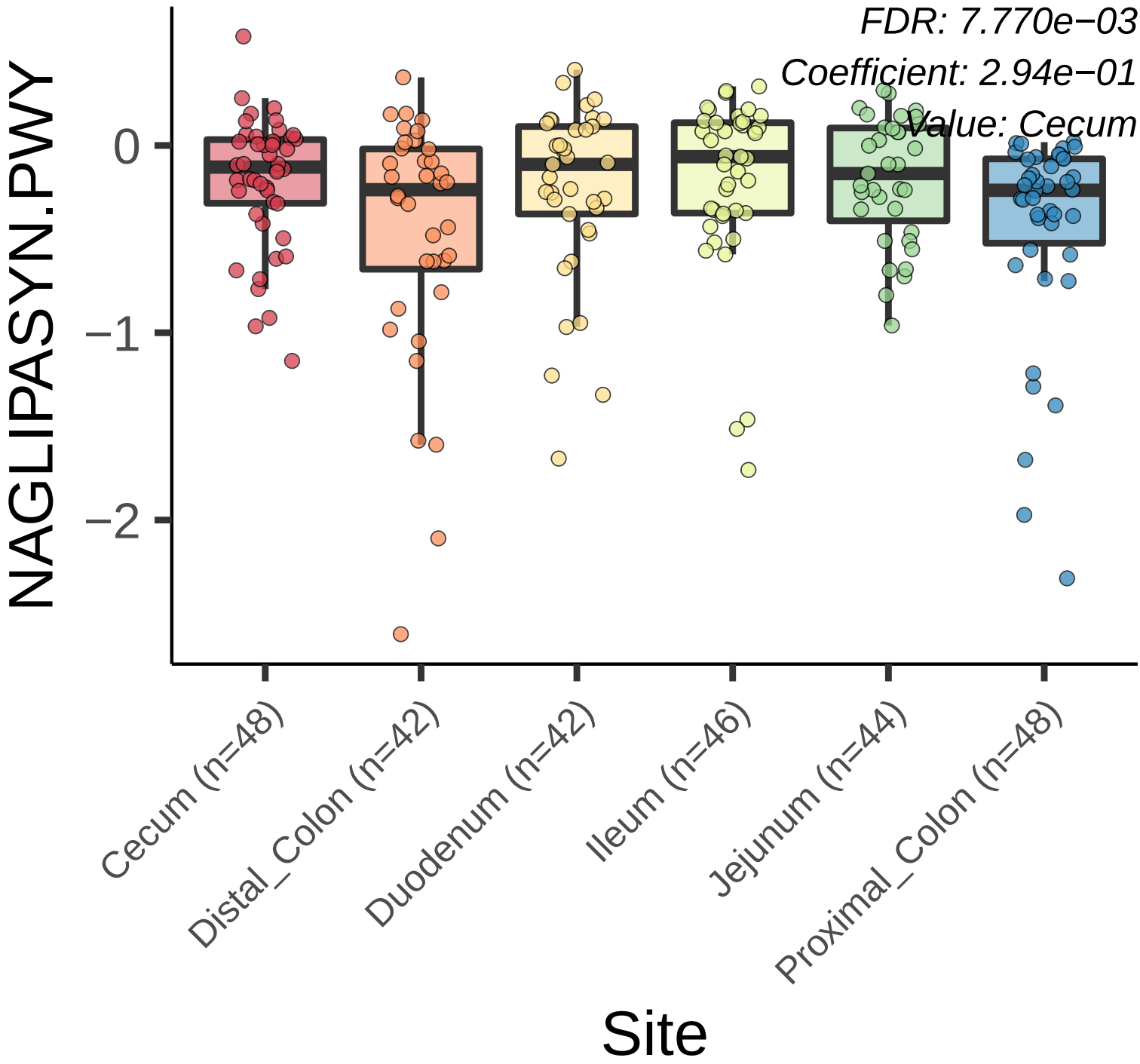

FDR: 7.098e−03
Coefficient: 6.55e−02
Value: Cecum
PWY.7234
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

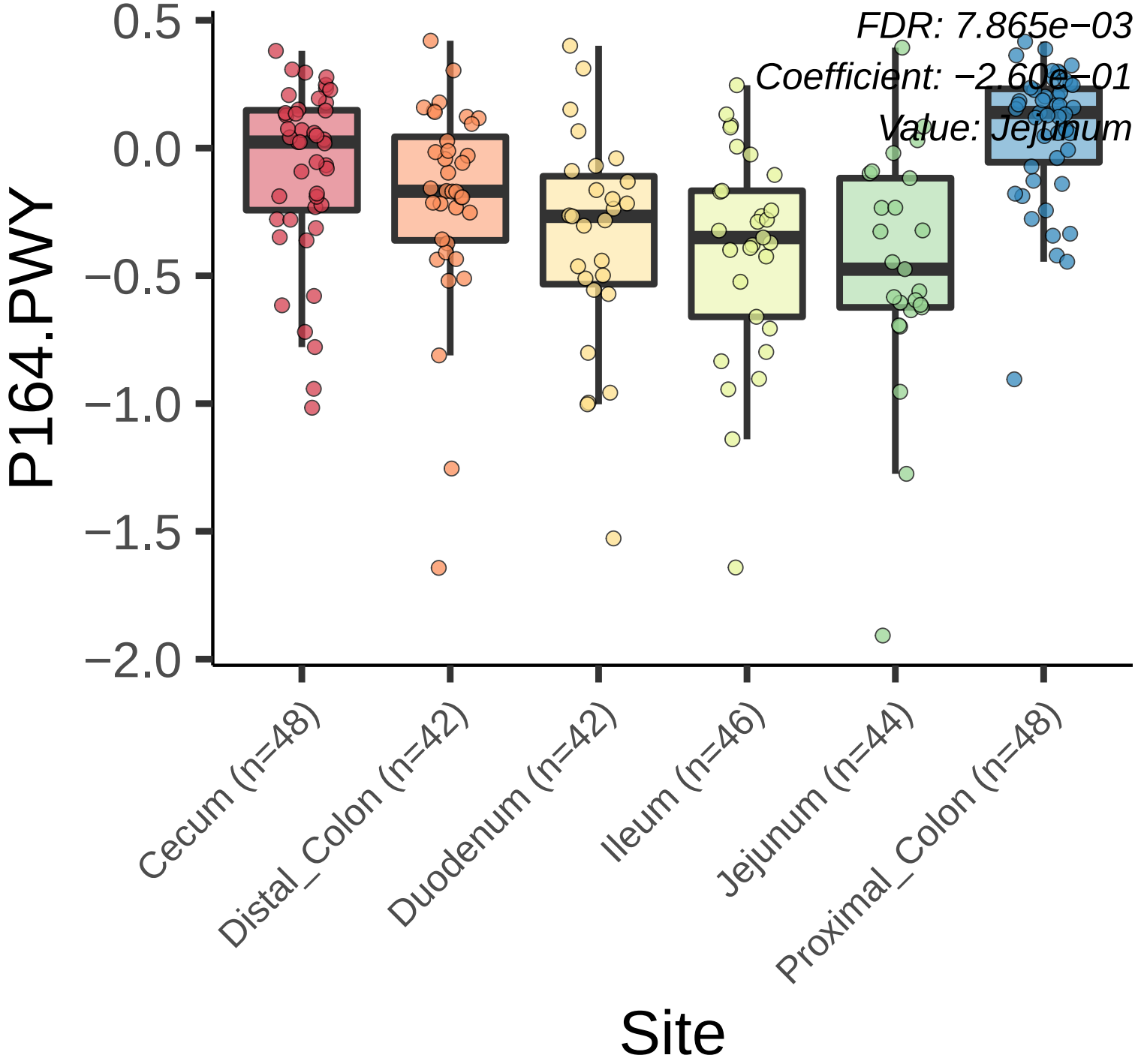

FDR: 7.183e−03
Coefficient: 5.45e−02
Value: Cecum
POLYISOPRENSYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

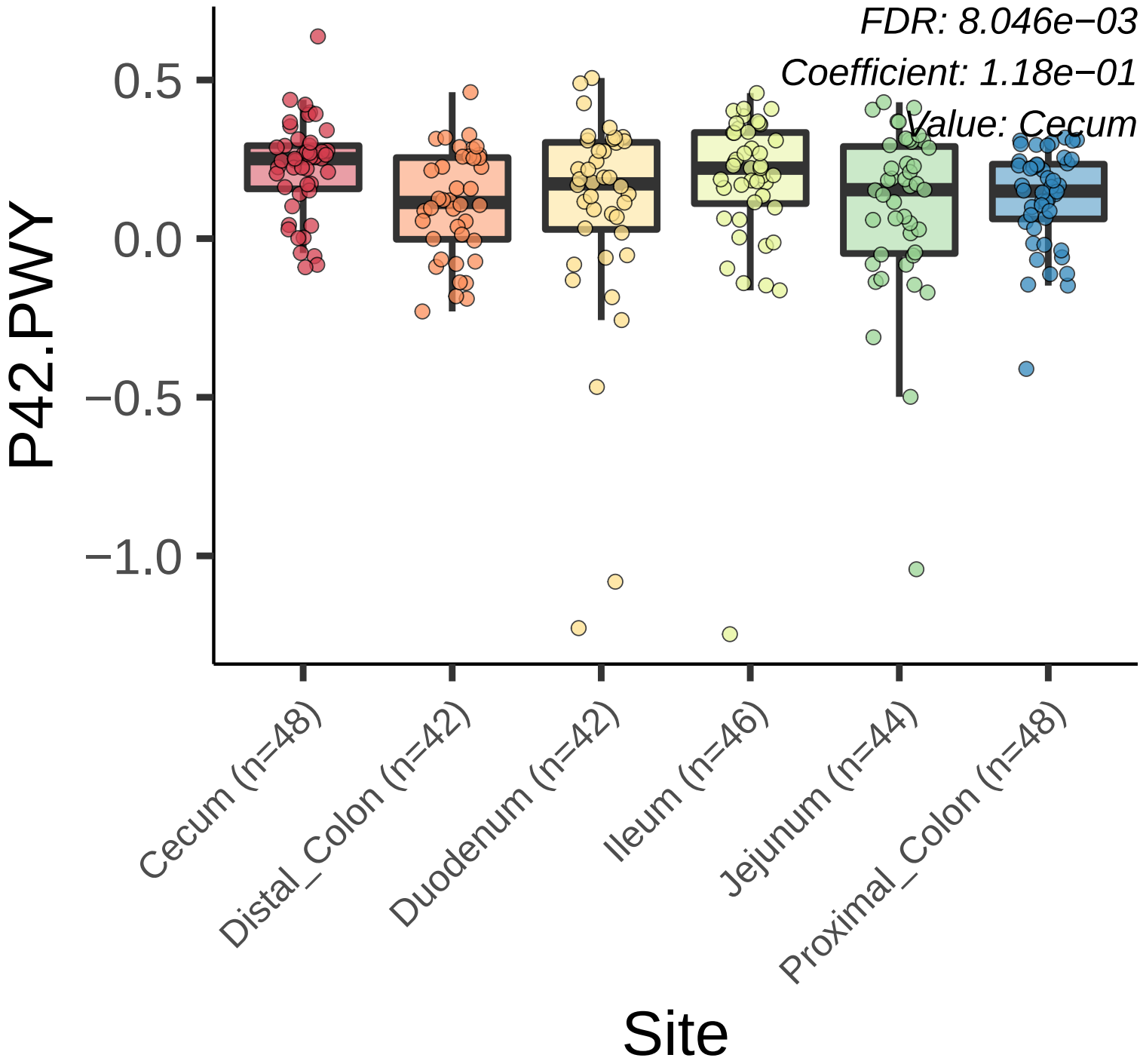

FDR: 7.183e−03
Coefficient: 2.93e−01
Value: Proximal_Colon
PWY.6545
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

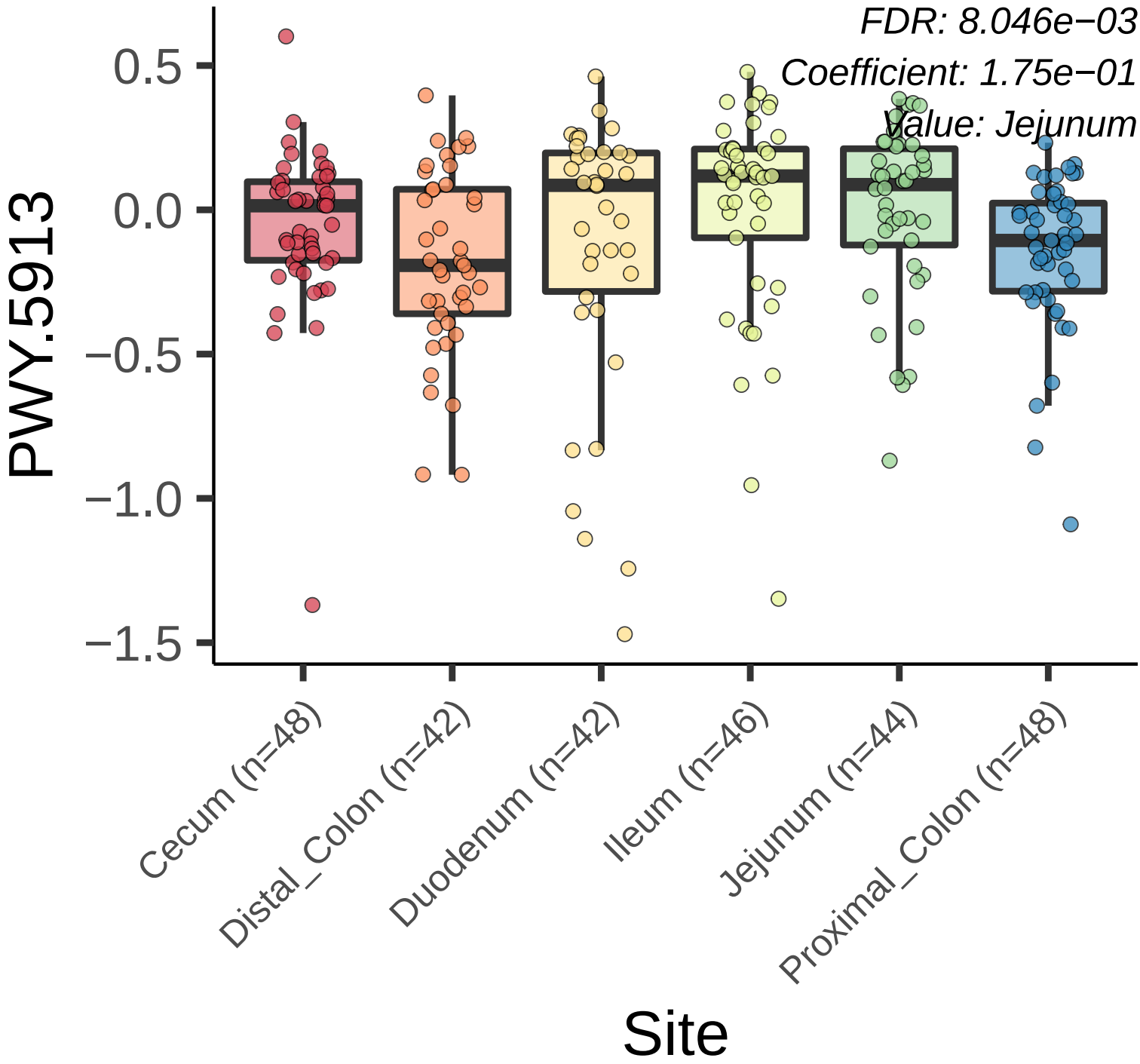

FDR: 7.352e−03
Coefficient: 9.10e−02
Value: Cecum
PWY.5659
0.4
0.0
−0.4
−0.8
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

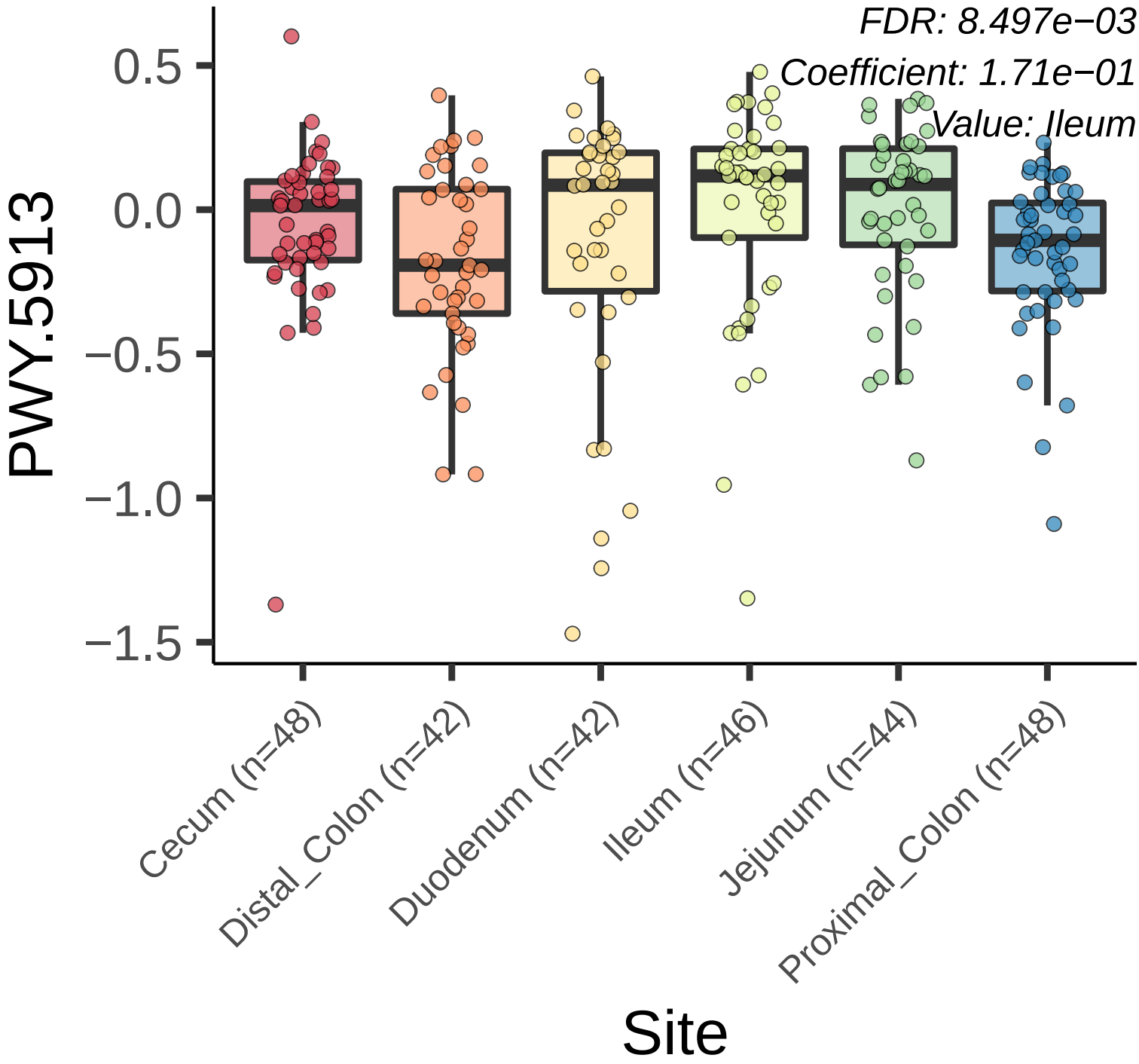

FDR: 7.770e−03
Coefficient: 3.91e−02
Value: Ileum
CALVIN.PWY
0.6
0.5
0.4
0.3
0.2
0.1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

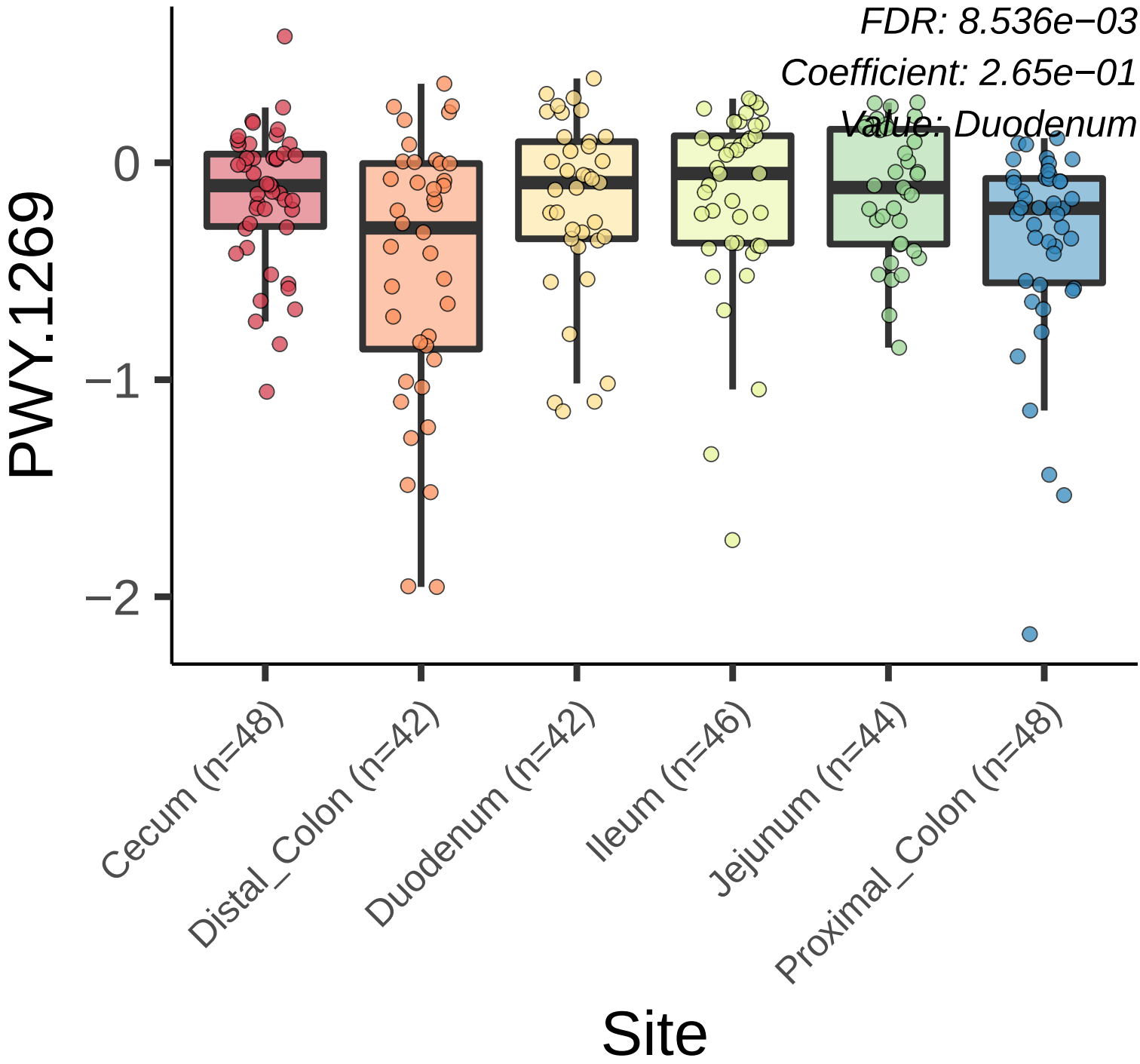

FDR: 7.770e−03
Coefficient: 2.94e−01
Value: Cecum
NAGLIPASYN.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

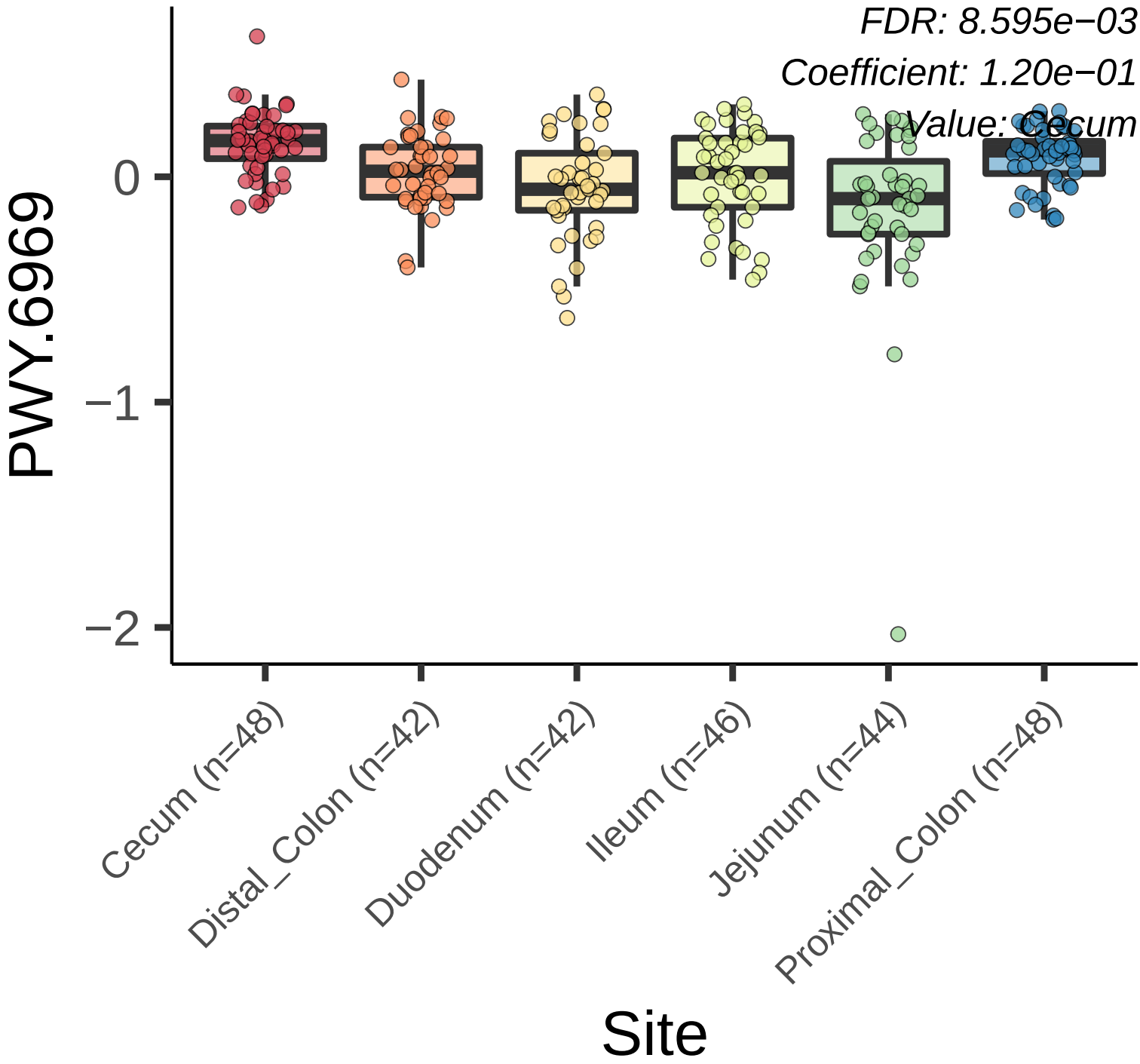

FDR: 7.865e−03
Coefficient: −2.60e−01
Value: Jejunum
P164.PWY
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

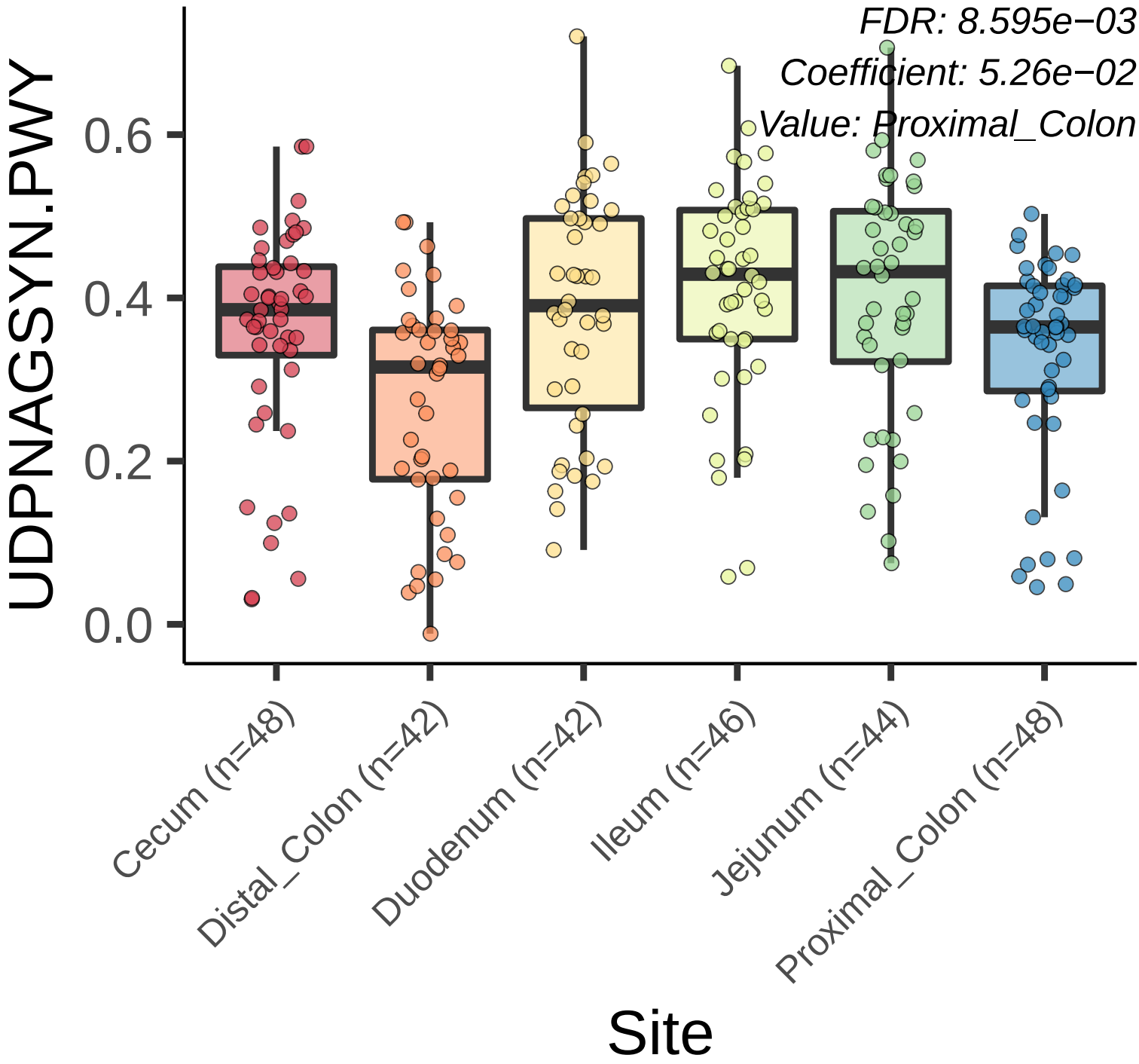

FDR: 8.046e−03
Coefficient: 1.18e−01
Value: Cecum
P42.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

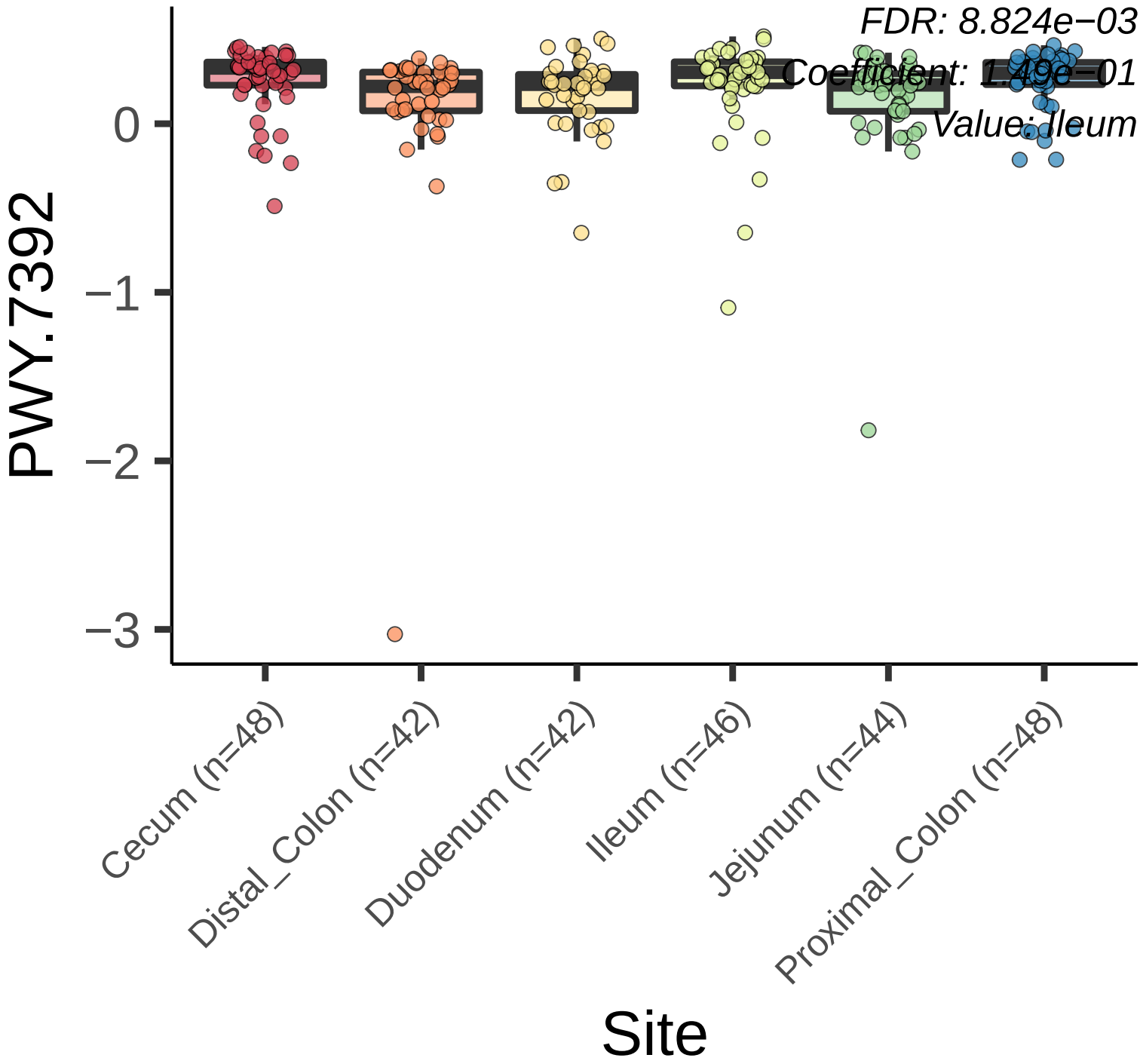

FDR: 8.046e−03
Coefficient: 1.75e−01
Value: Jejunum
PWY.5913
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

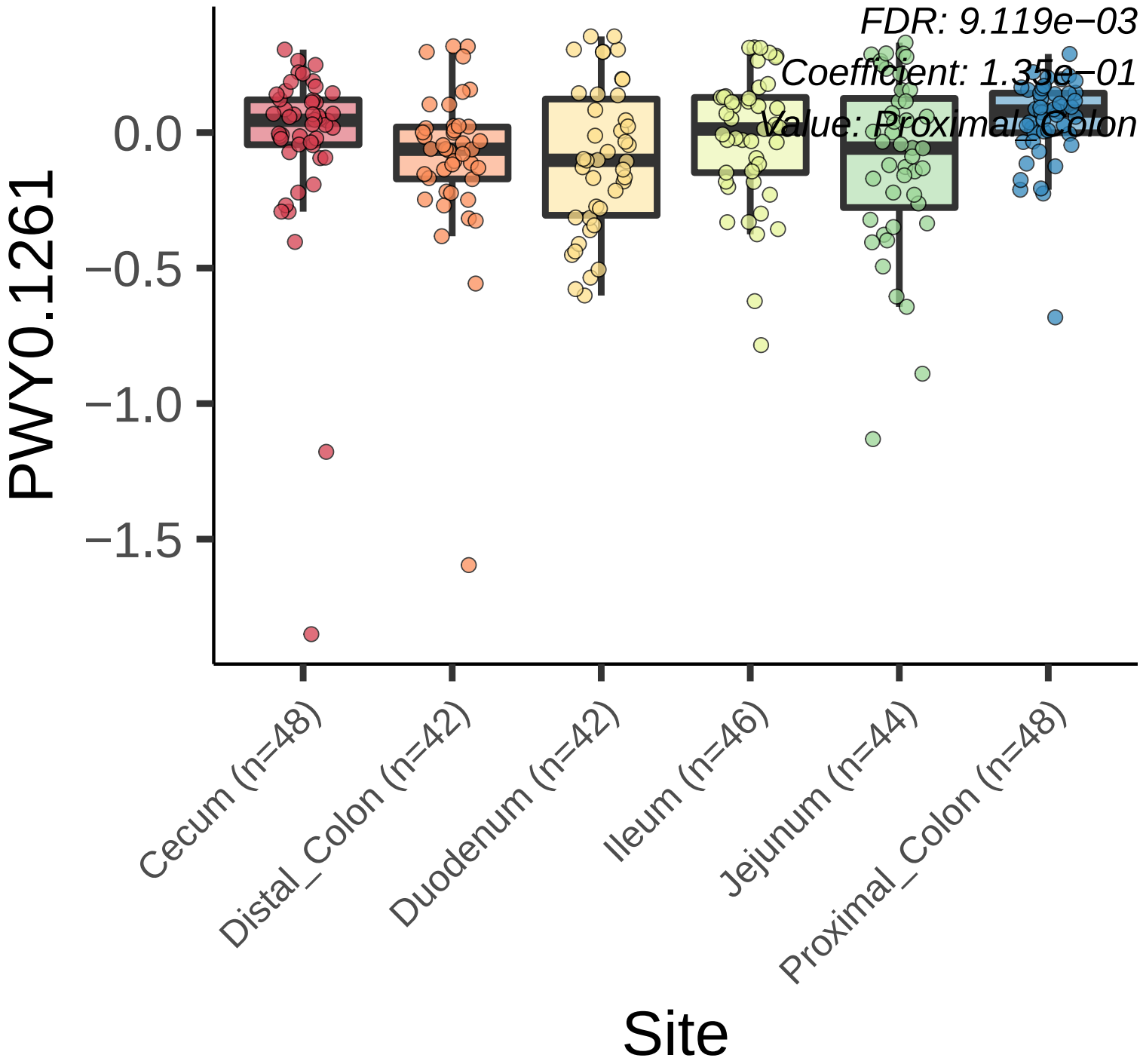

FDR: 8.497e−03
Coefficient: 1.71e−01
Value: Ileum
PWY.5913
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

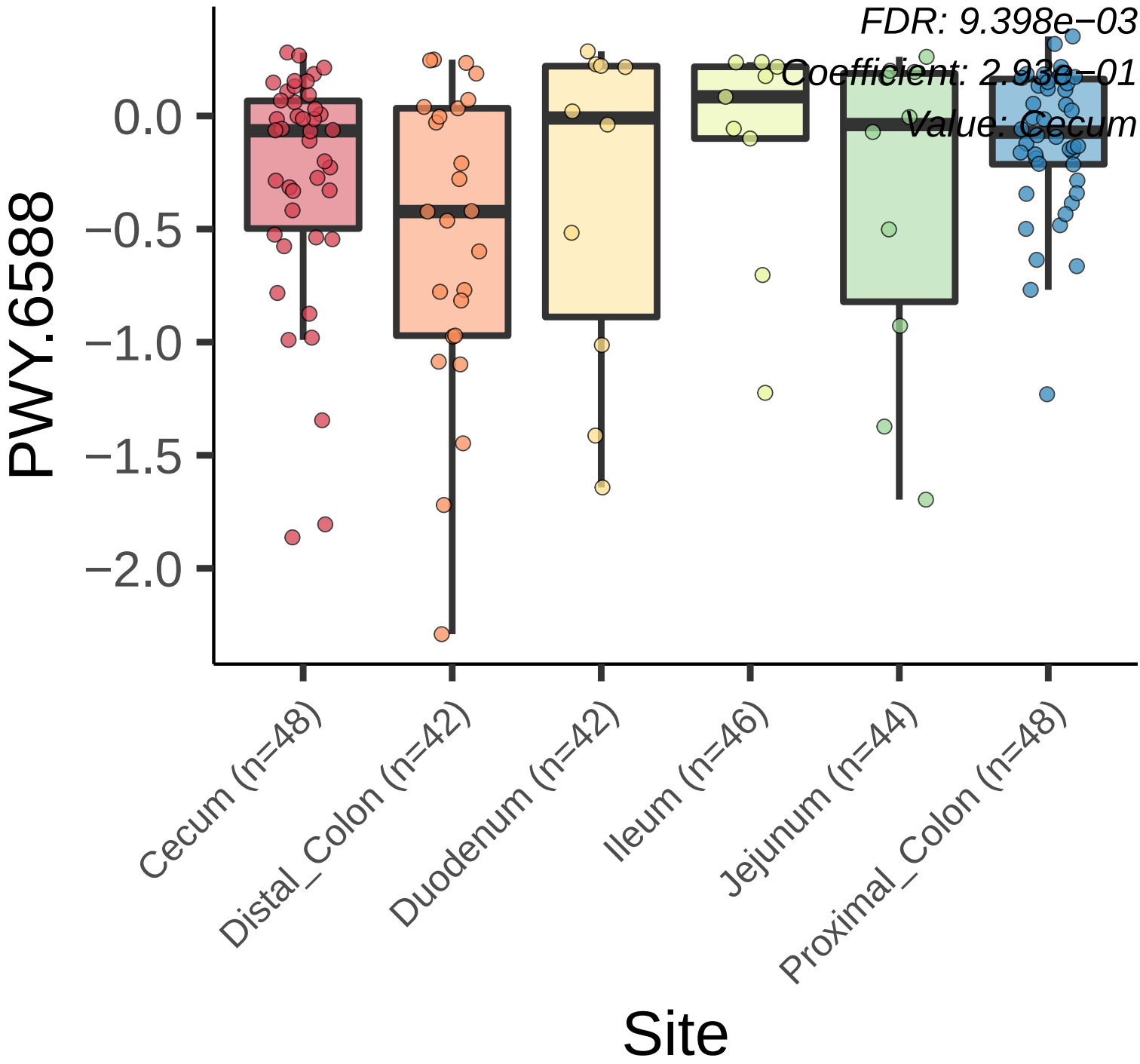

FDR: 8.536e−03
Coefficient: 2.65e−01
Value: Duodenum
PWY.1269
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

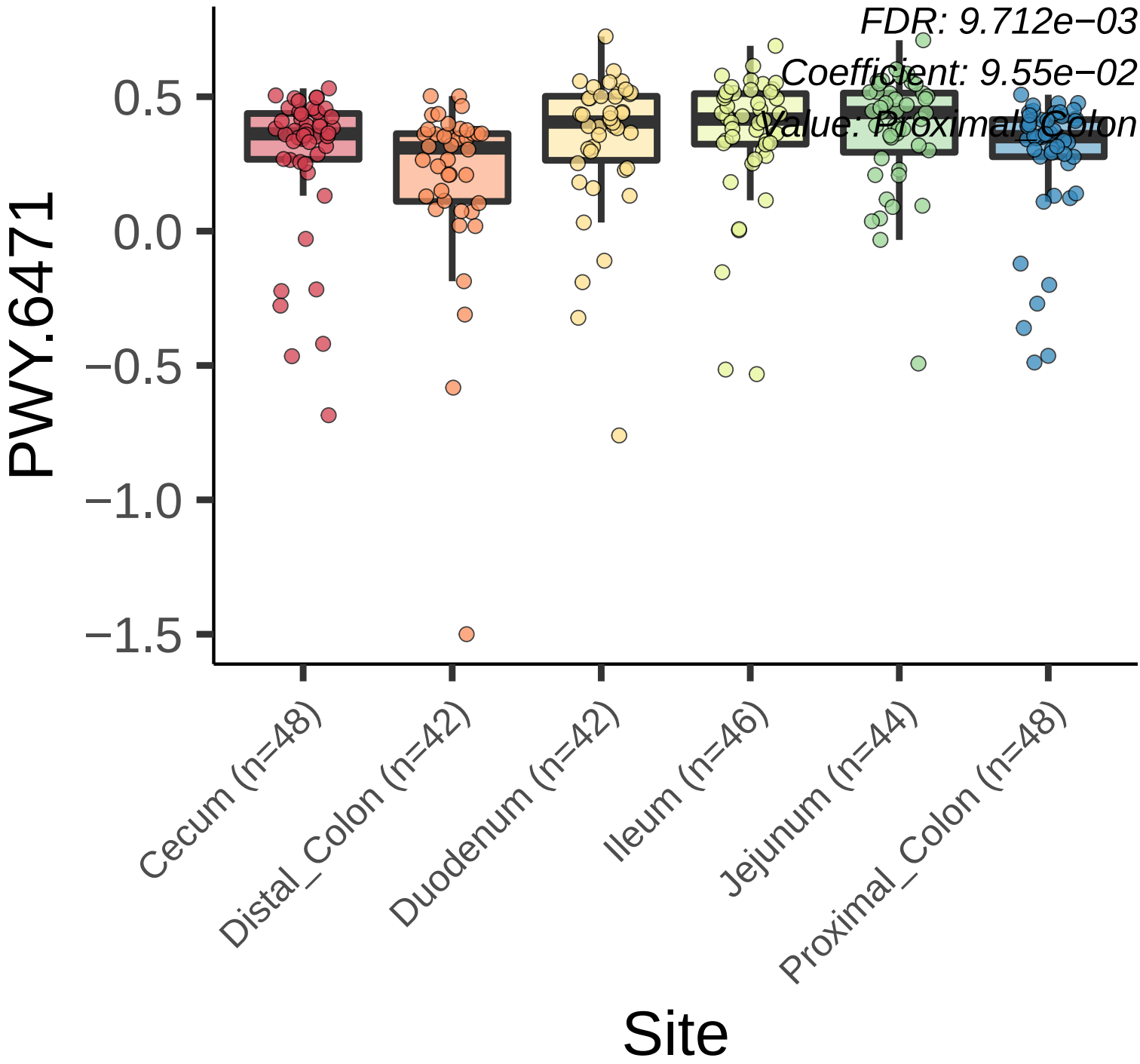

FDR: 8.595e−03
Coefficient: 1.20e−01
Value: Cecum
PWY.6969
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

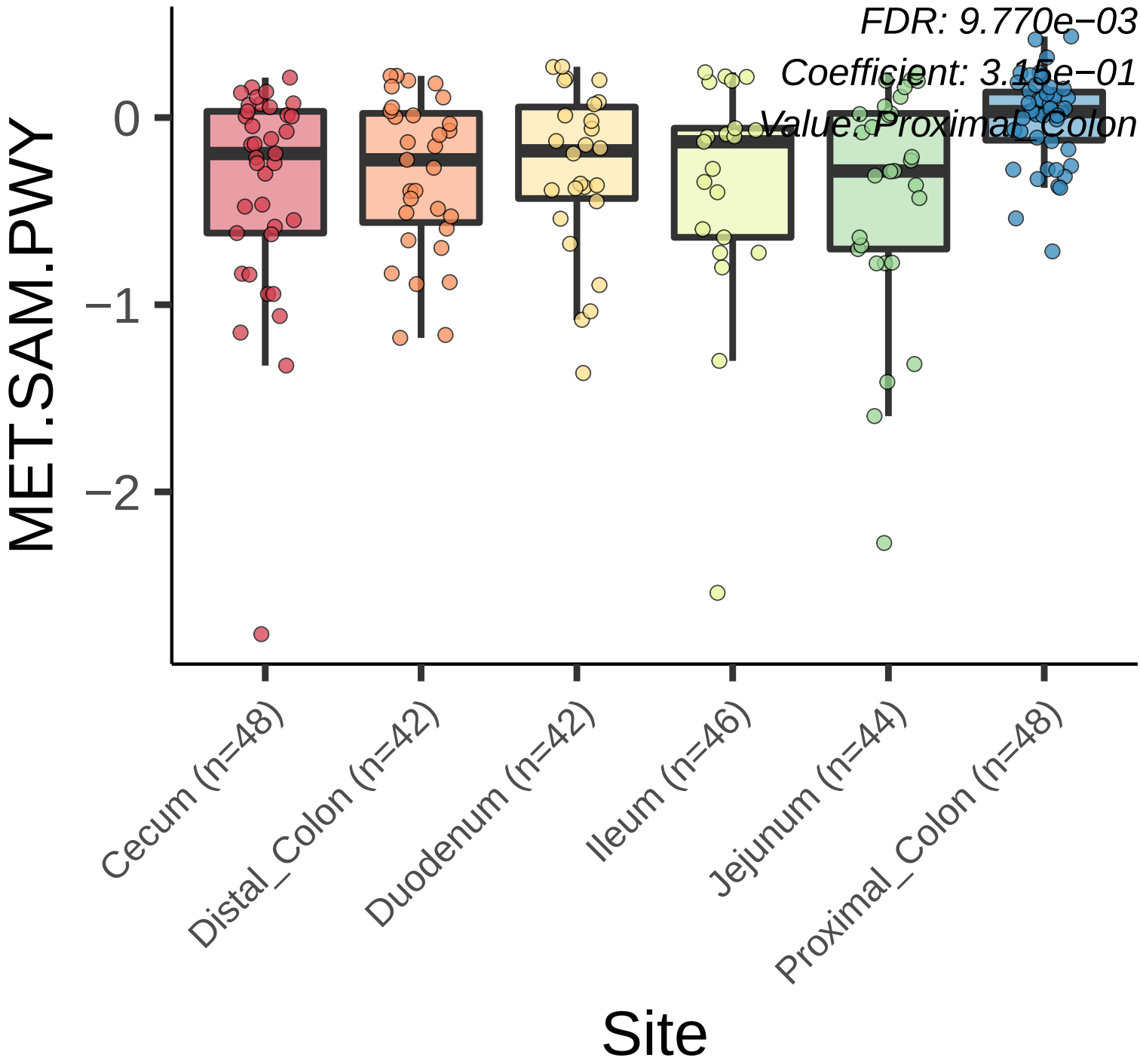

FDR: 8.595e−03
Coefficient: 5.26e−02
Value: Proximal_Colon
UDPNAGSYN.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

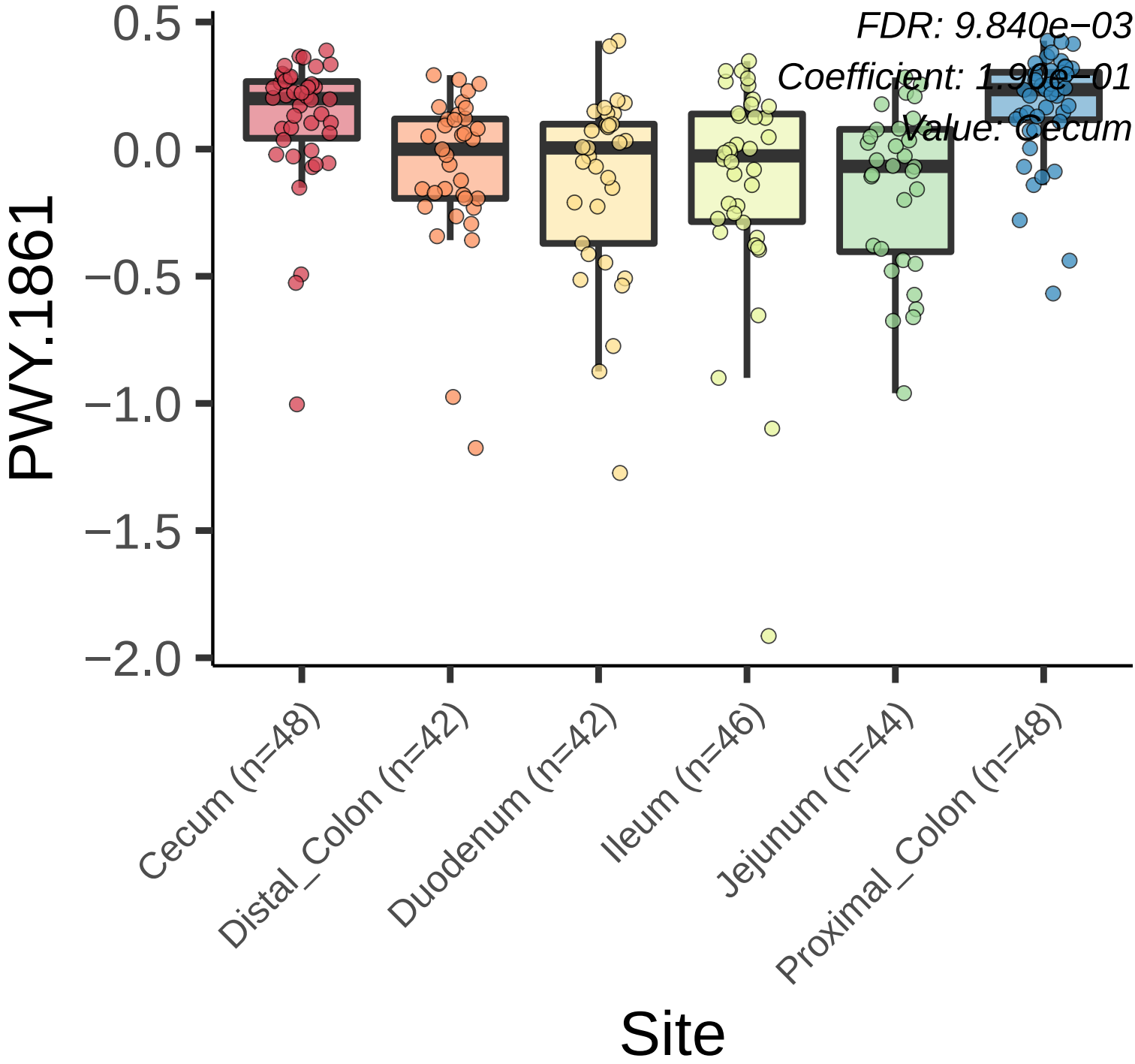

FDR: 8.824e−03
Coefficient: 1.49e−01
Value: Ileum
PWY.7392
0
−1
−2
−3
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

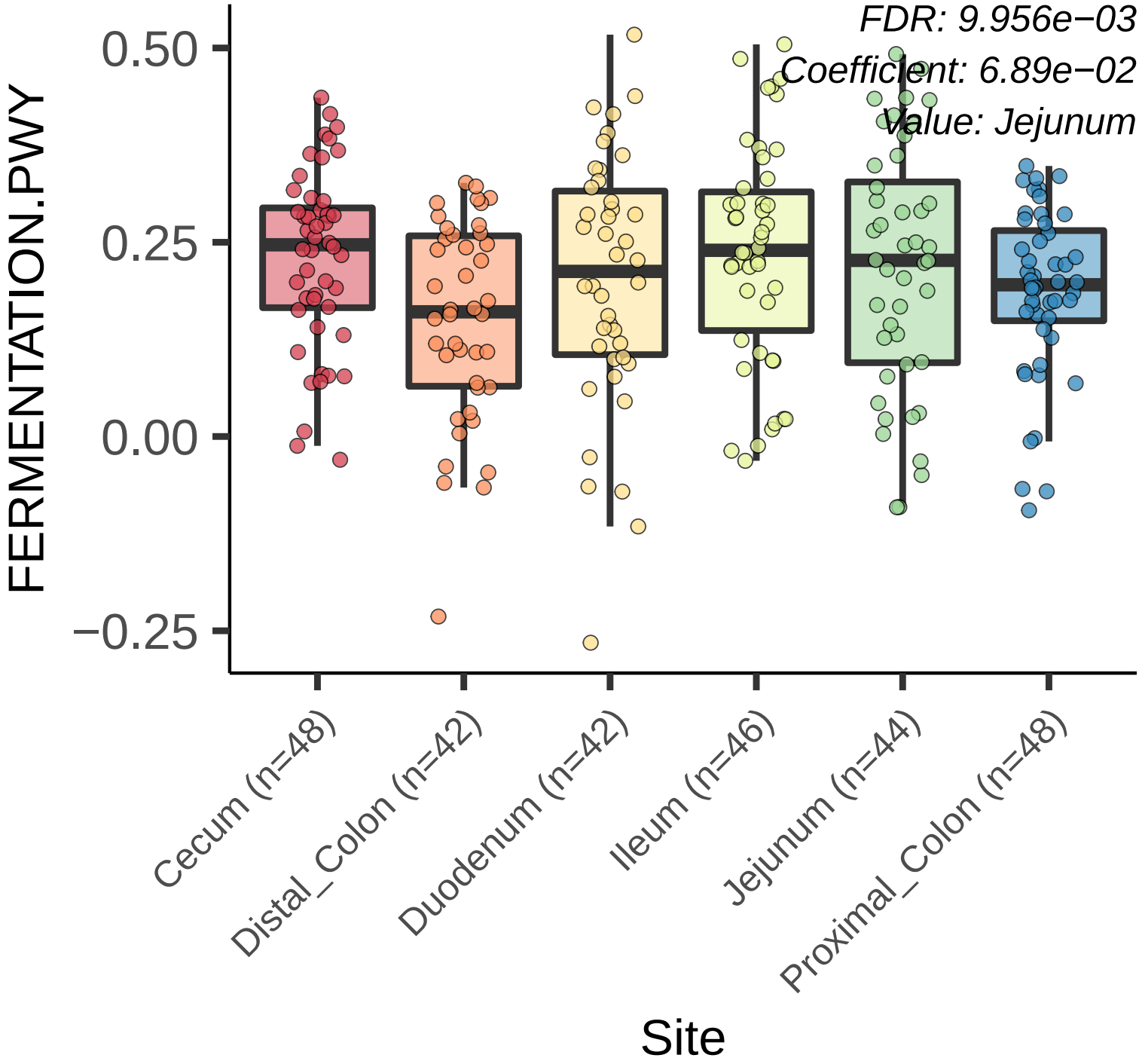

FDR: 9.119e−03
Coefficient: 1.35e−01
Value: Proximal_Colon
PWY0.1261
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

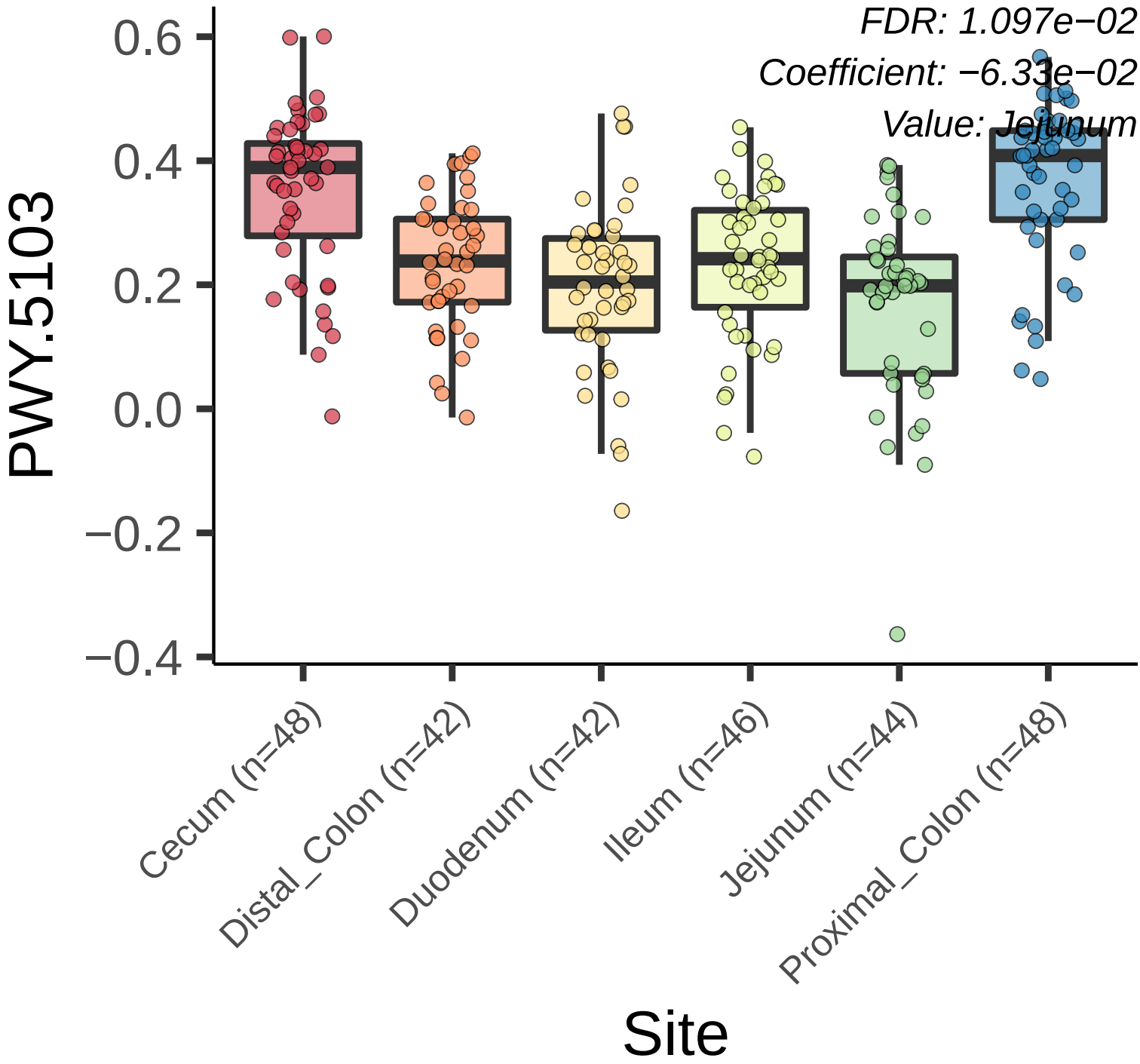

FDR: 9.398e−03
Coefficient: 2.93e−01
Value: Cecum
PWY.6588
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

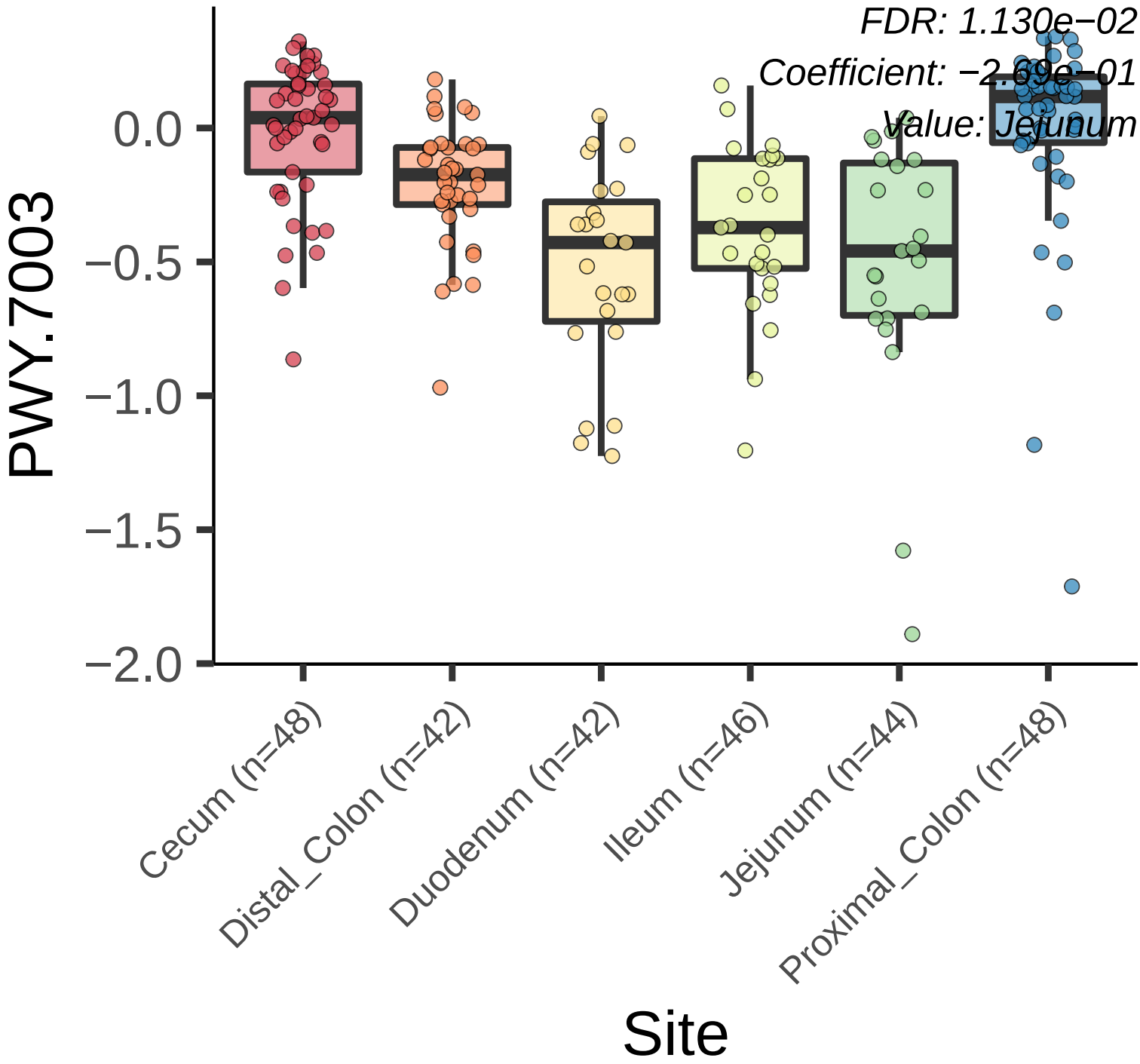

FDR: 9.712e−03
Coefficient: 9.55e−02
Value: Proximal_Colon
PWY.6471
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

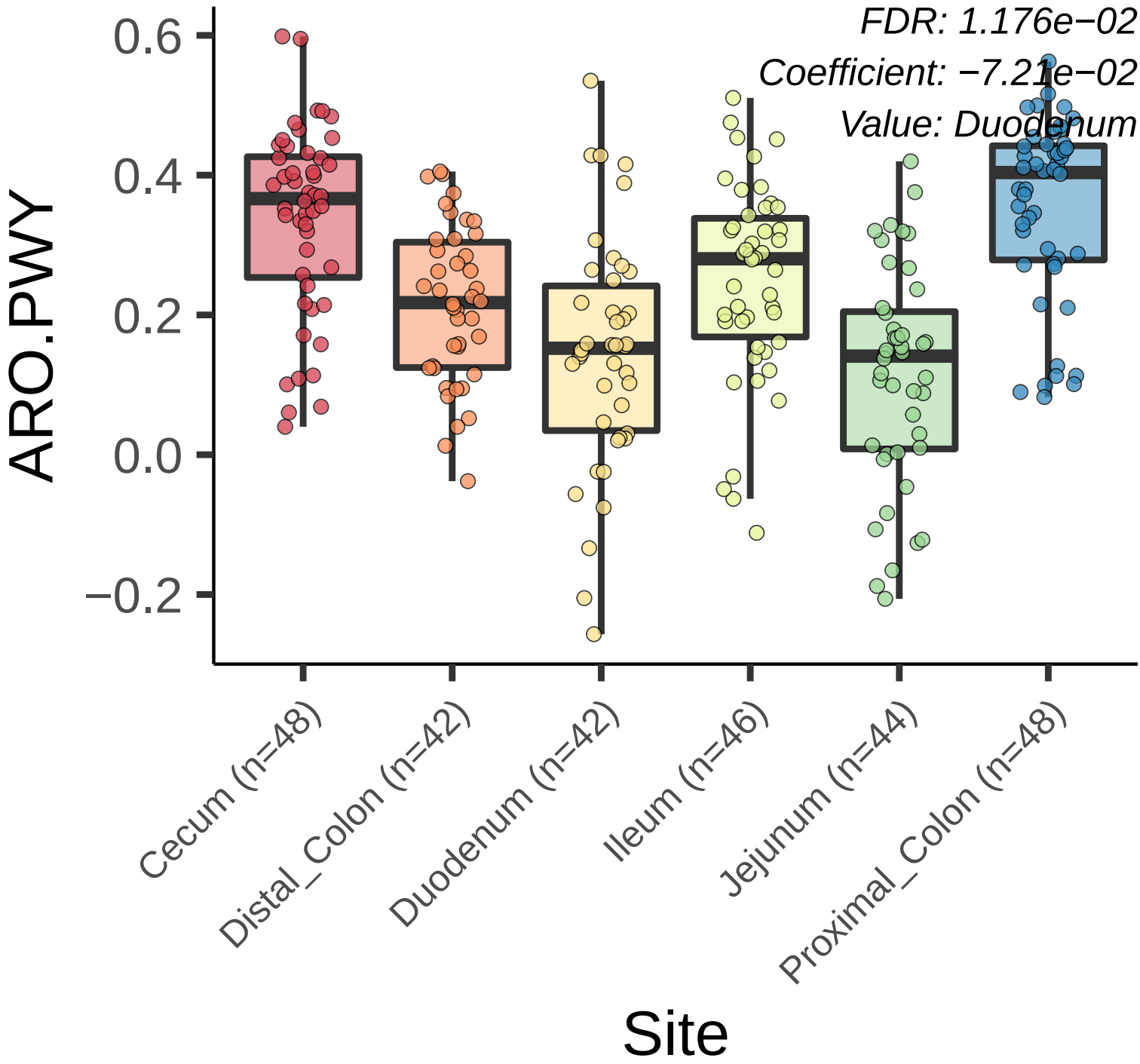

FDR: 9.770e−03
Coefficient: 3.15e−01
Value: Proximal_Colon
MET.SAM.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

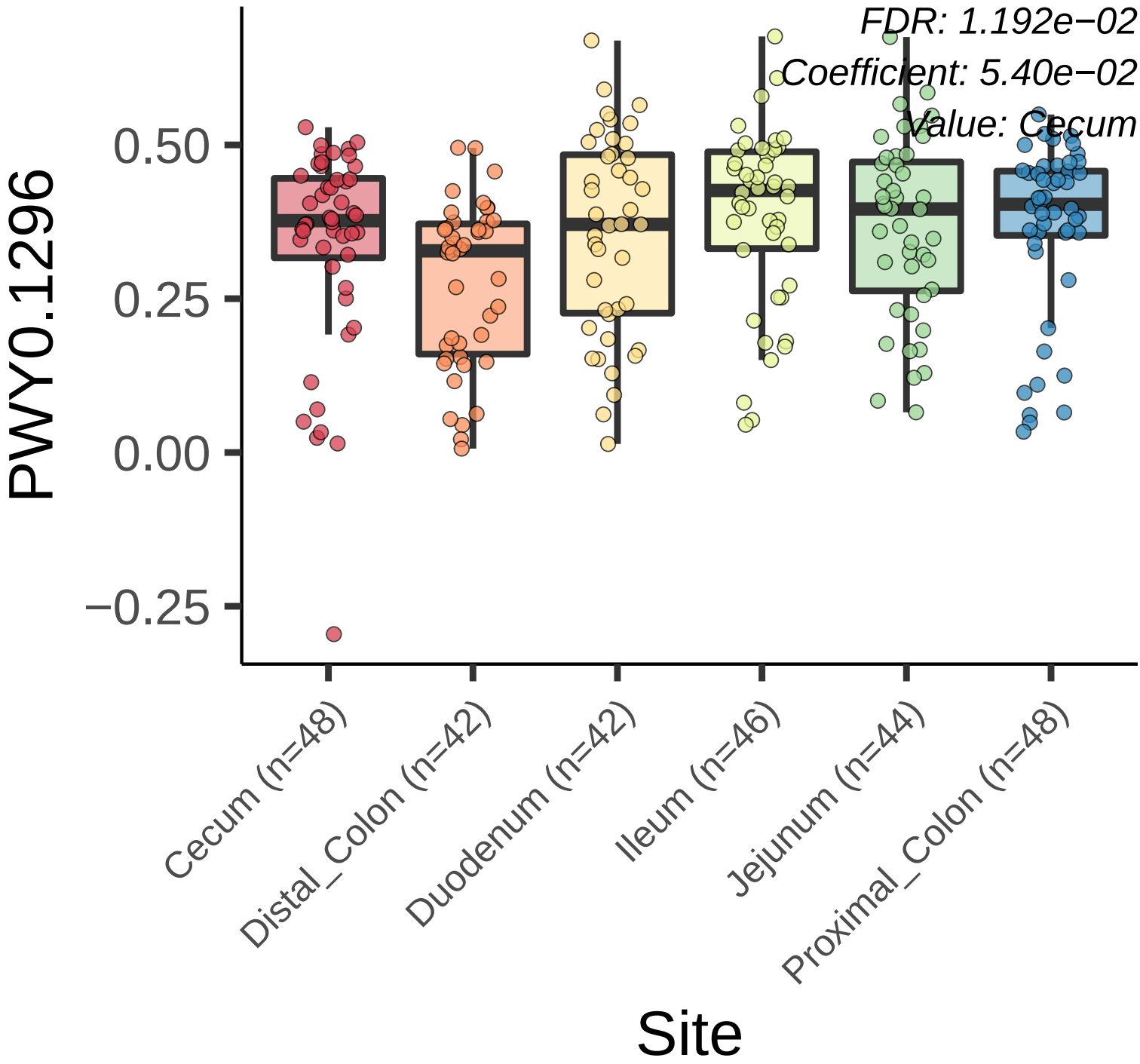

FDR: 9.840e−03
Coefficient: 1.906e−01
Value: Cecum
PWY.1861
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

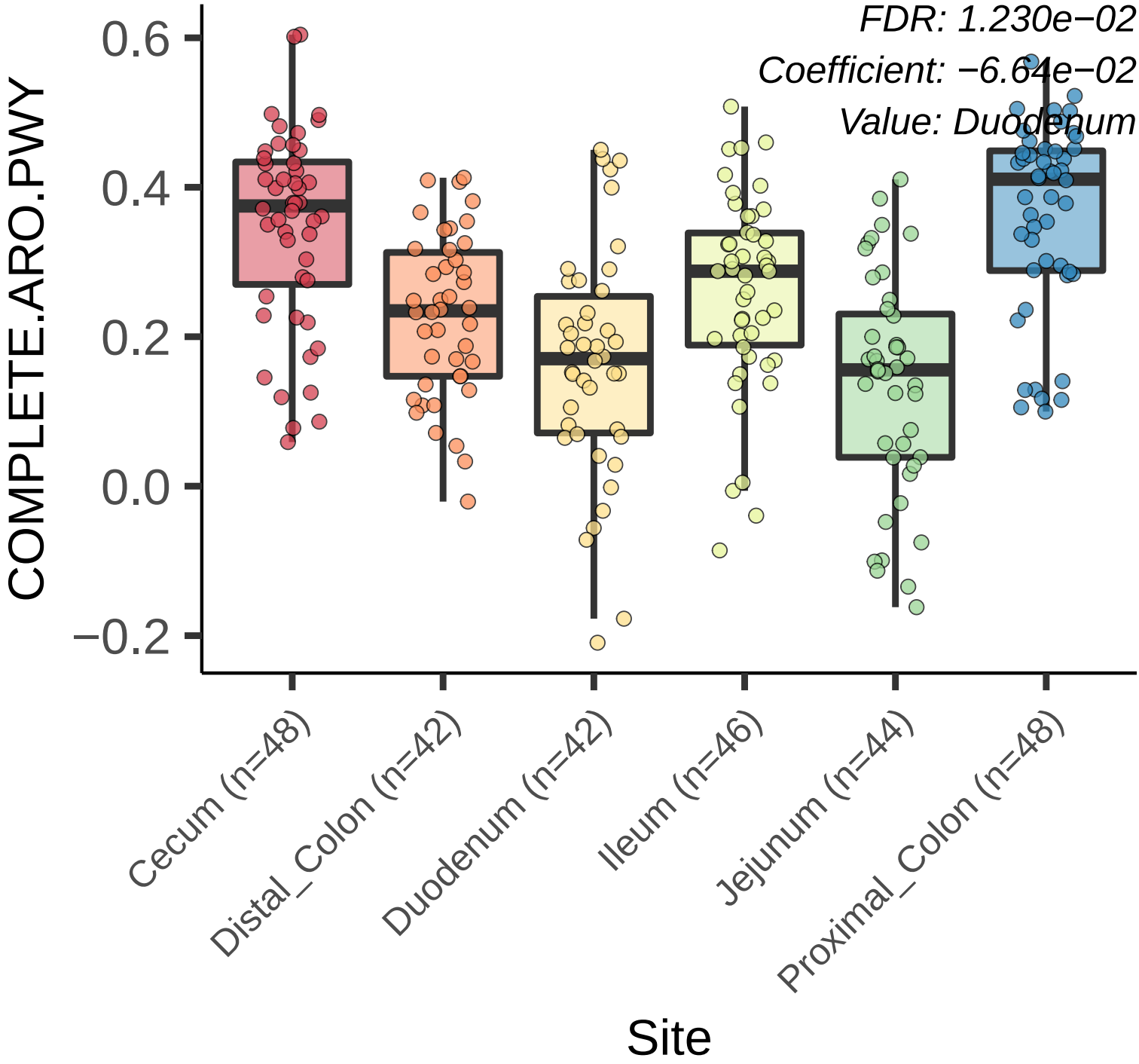

FDR: 9.956e−03
Coefficient: 6.89e−02
Value: Jejunum
FERMENTATION.PWY
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

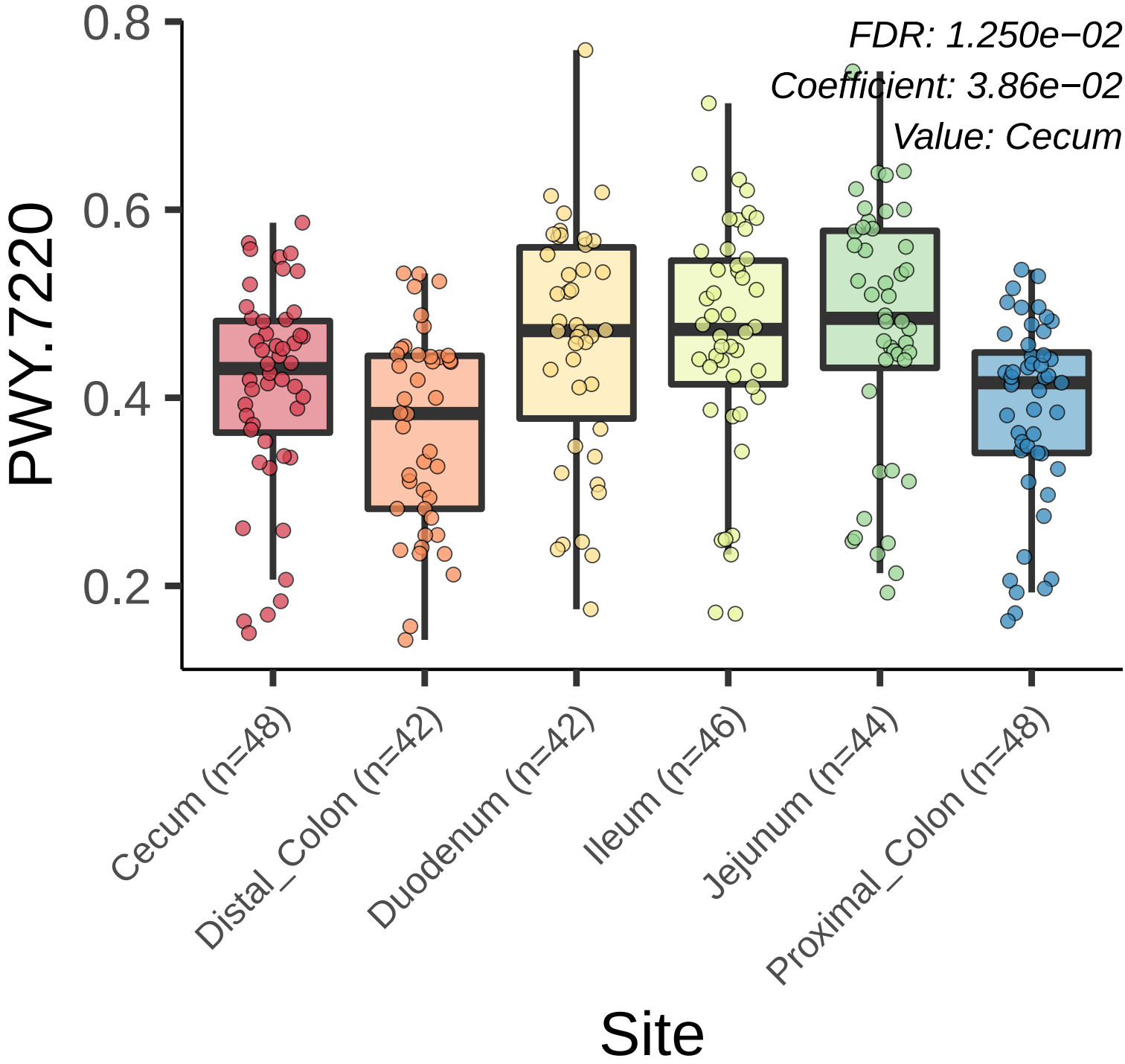

FDR: 1.097e−02
Coefficient: −6.33e−02
Value: Jejunum
PWY.5103
0.6
0.4
0.2
0.0
−0.2
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

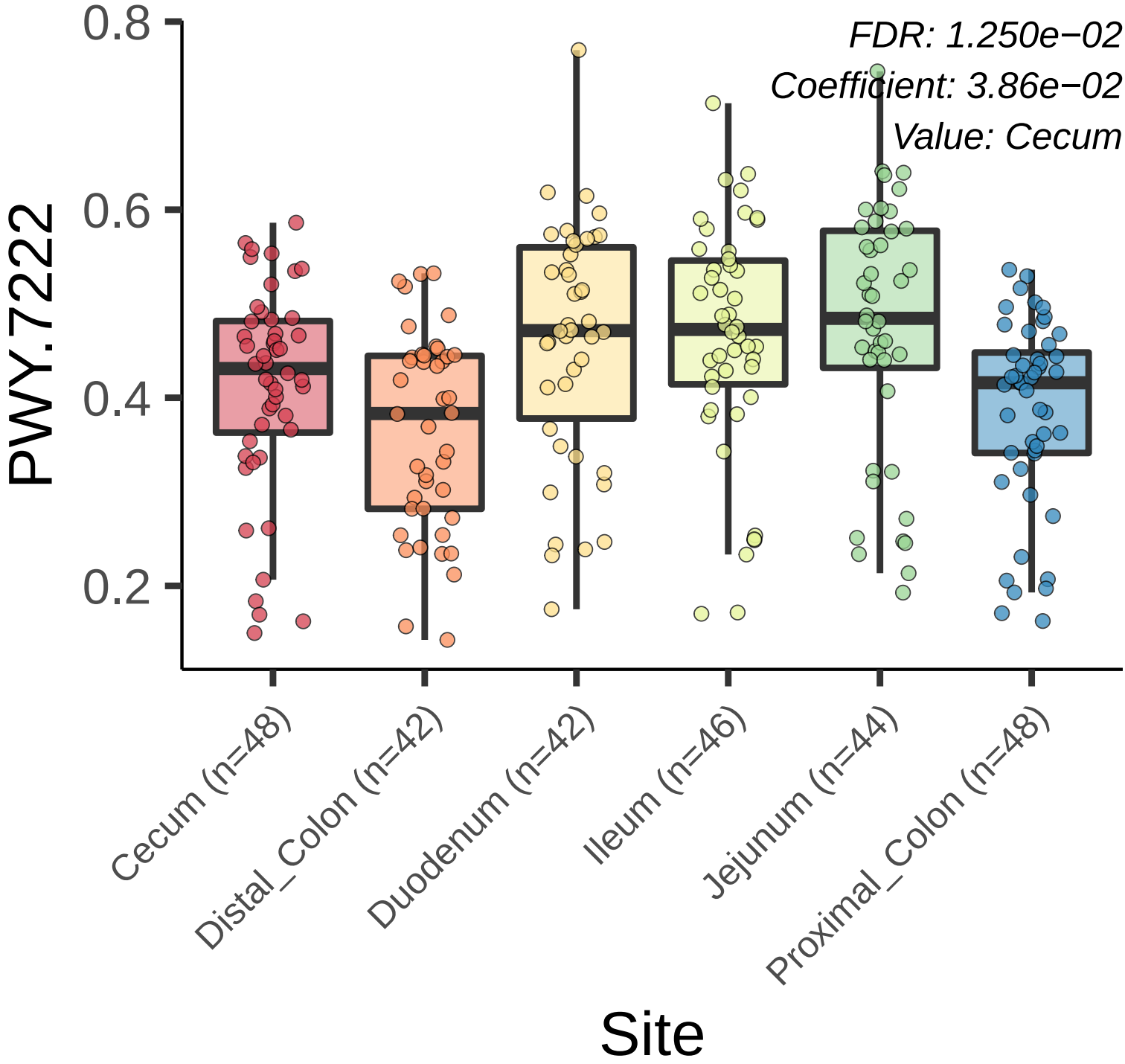

FDR: 1.130e−02
Coefficient: −2.69e−01
Value: Jejunum
PWY.7003
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

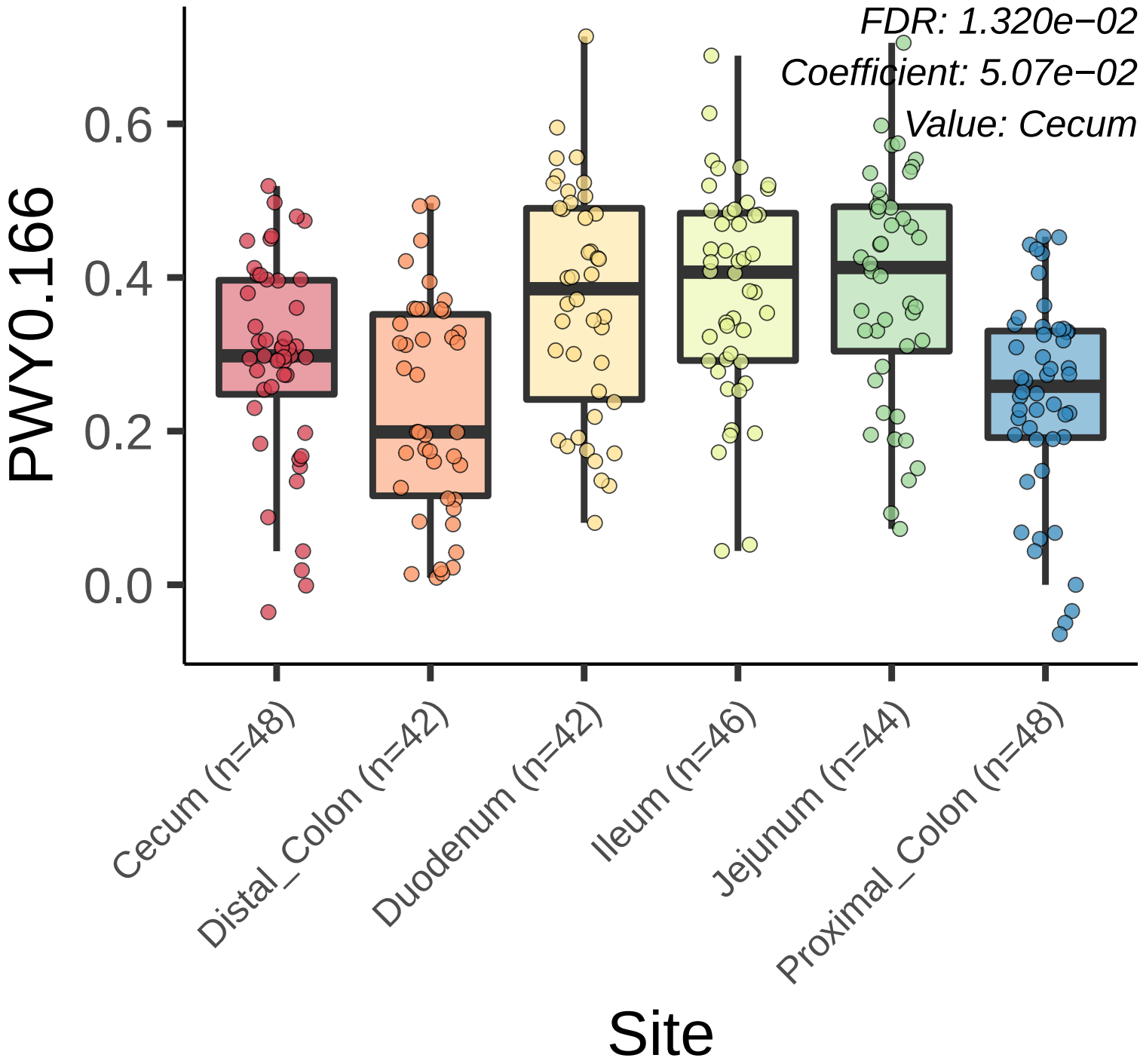

FDR: 1.176e−02
Coefficient: −7.21e−02
Value: Duodenum
ARO.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

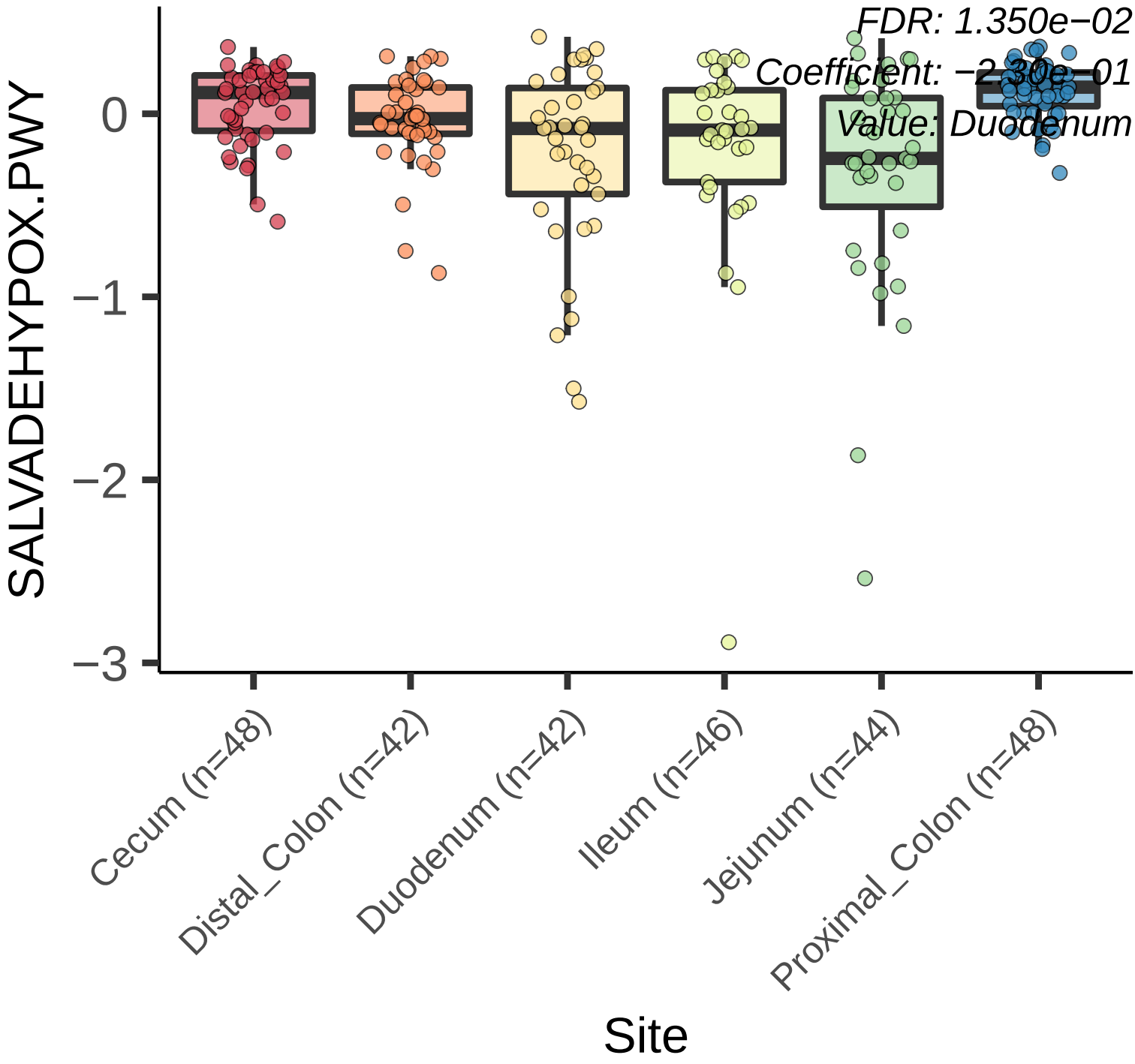

FDR: 1.192e−02
Coefficient: 5.40e−02
Value: Cecum
PWY0.1296
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

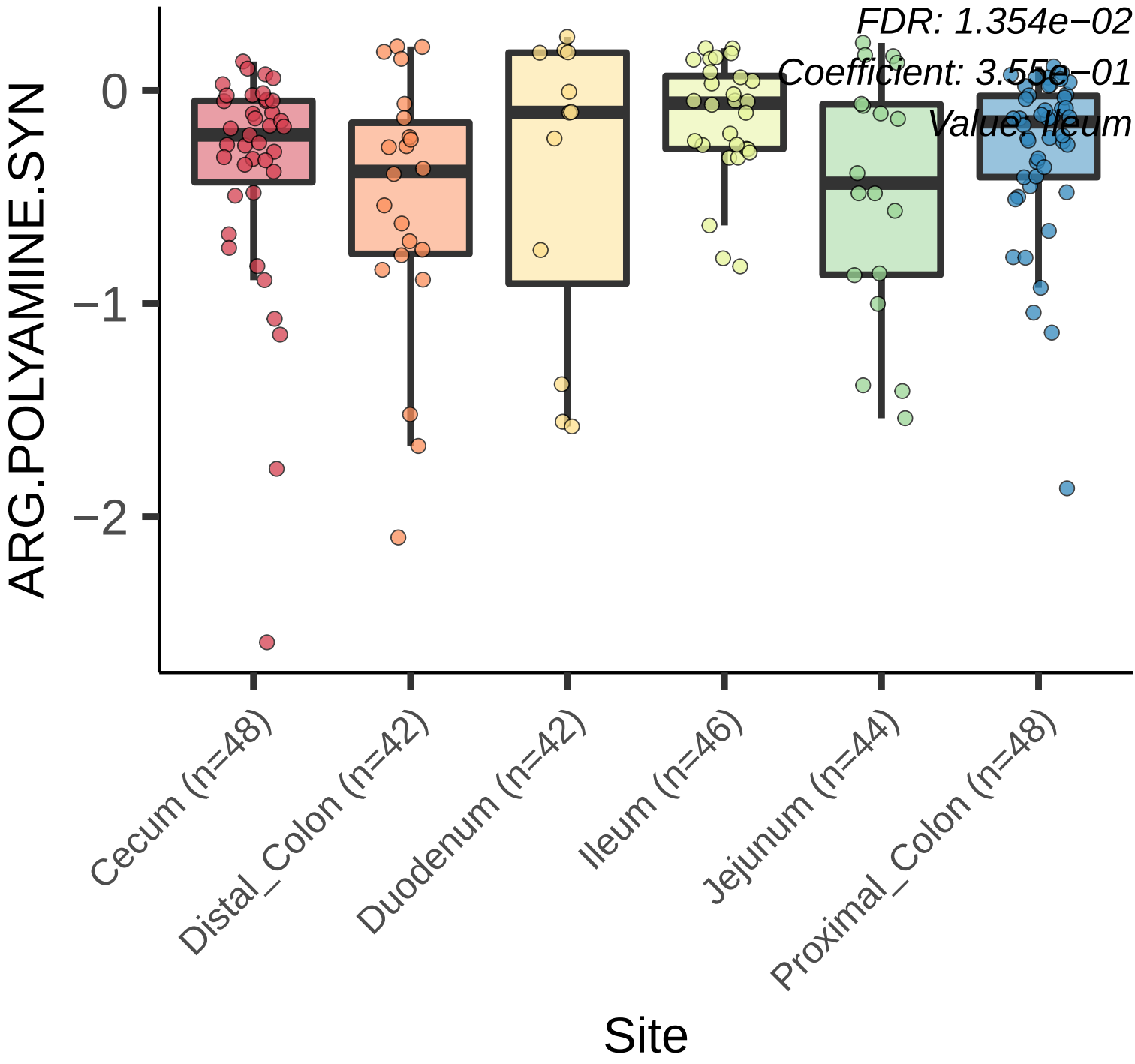

FDR: 1.230e−02
Coefficient: −6.64e−02
Value: Duodenum
COMPLETE.ARO.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

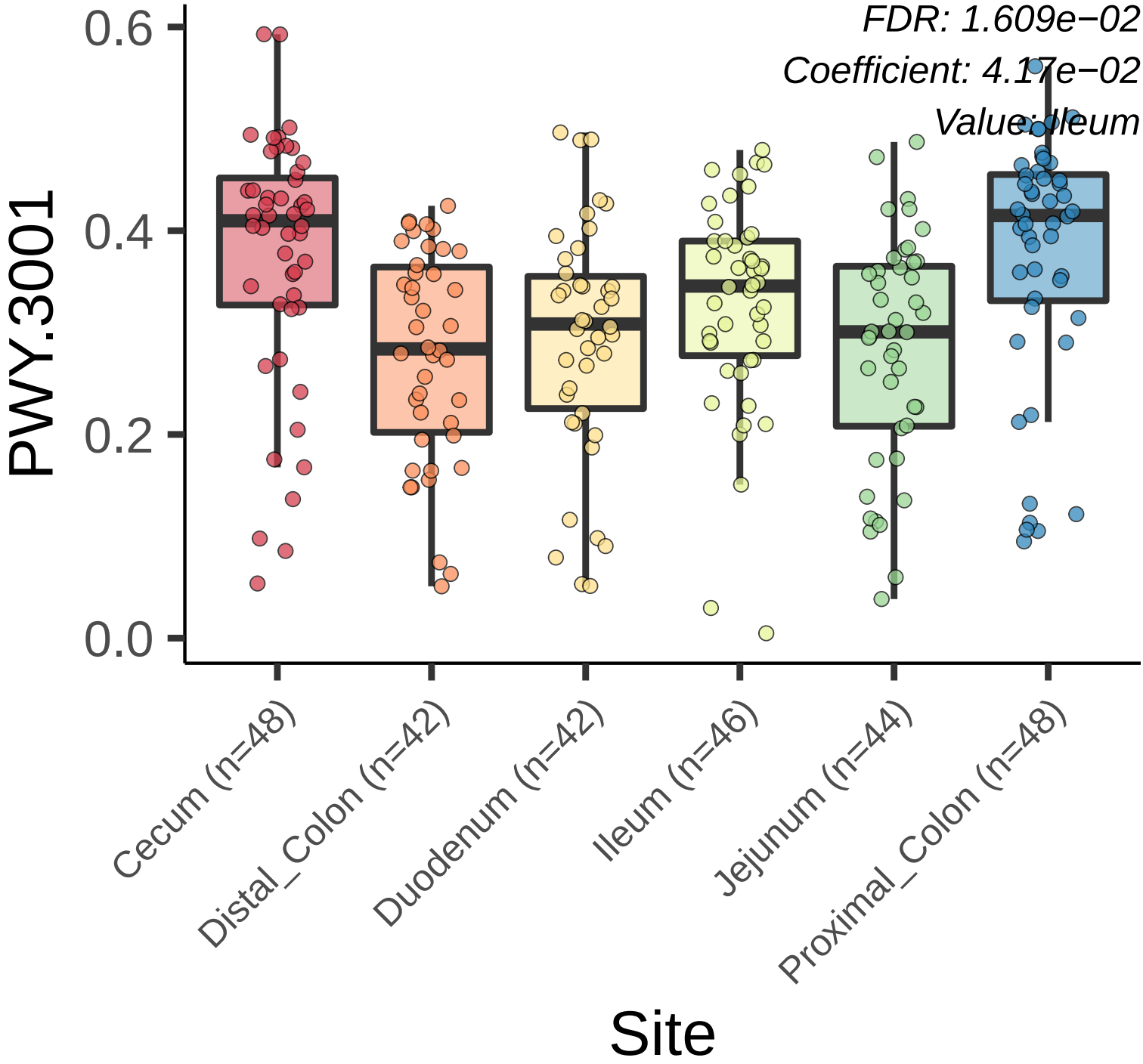

FDR: 1.250e−02
Coefficient: 3.86e−02
Value: Cecum
PWY.7220
0.8
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

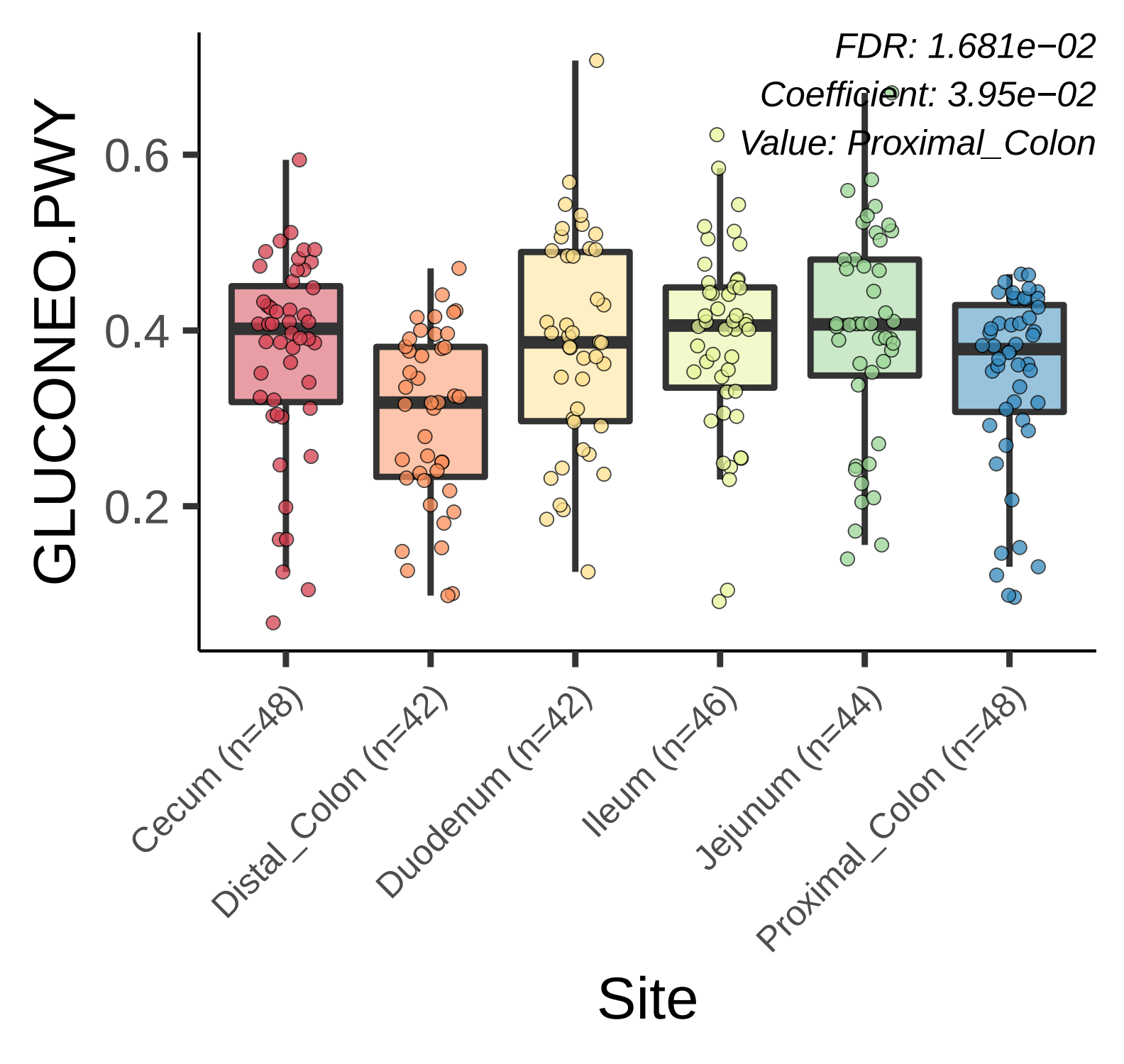

FDR: 1.250e−02
Coefficient: 3.86e−02
Value: Cecum
PWY.7222
0.8
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

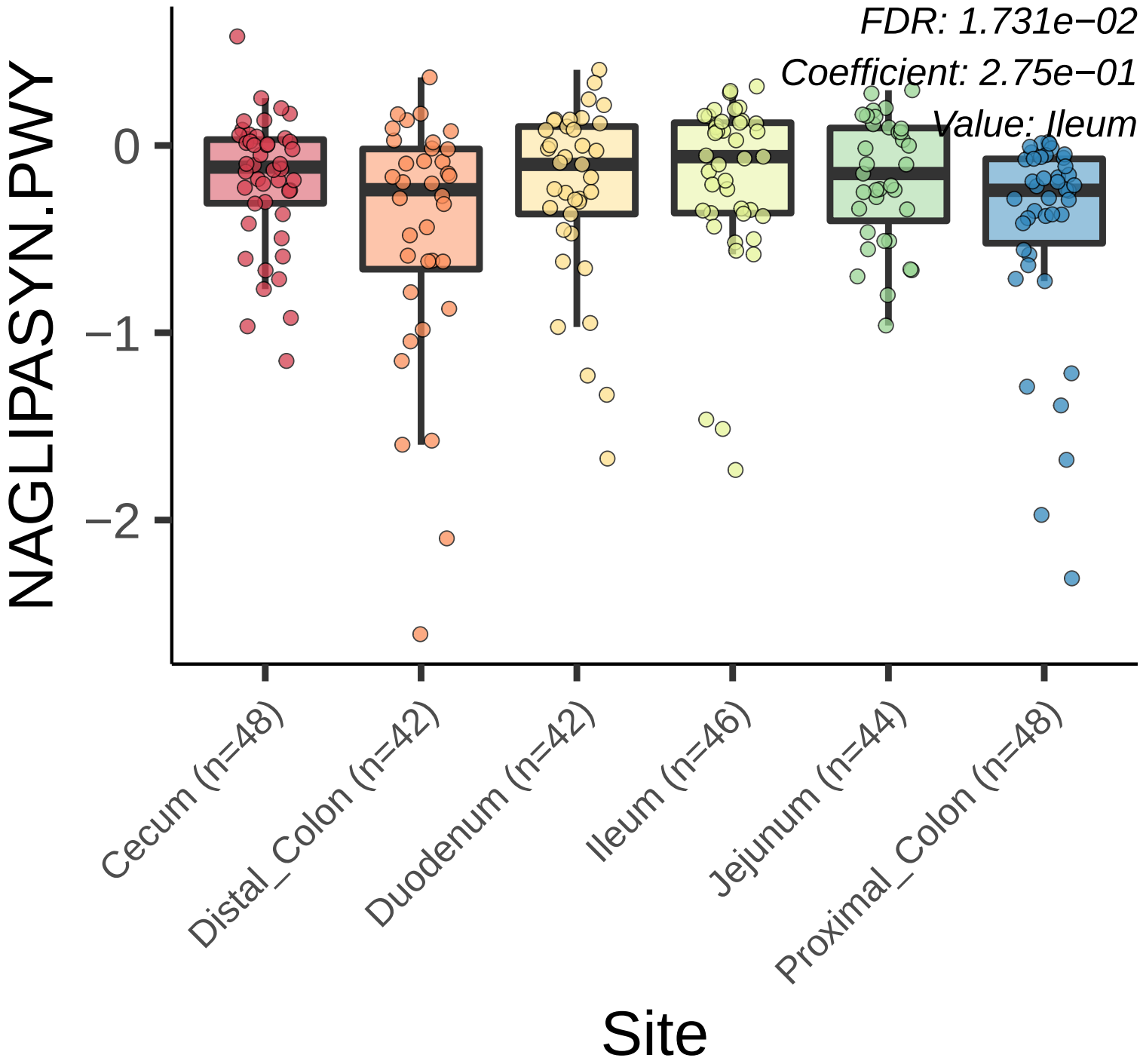

FDR: 1.320e−02
Coefficient: 5.07e−02
Value: Cecum
PWY0.166
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

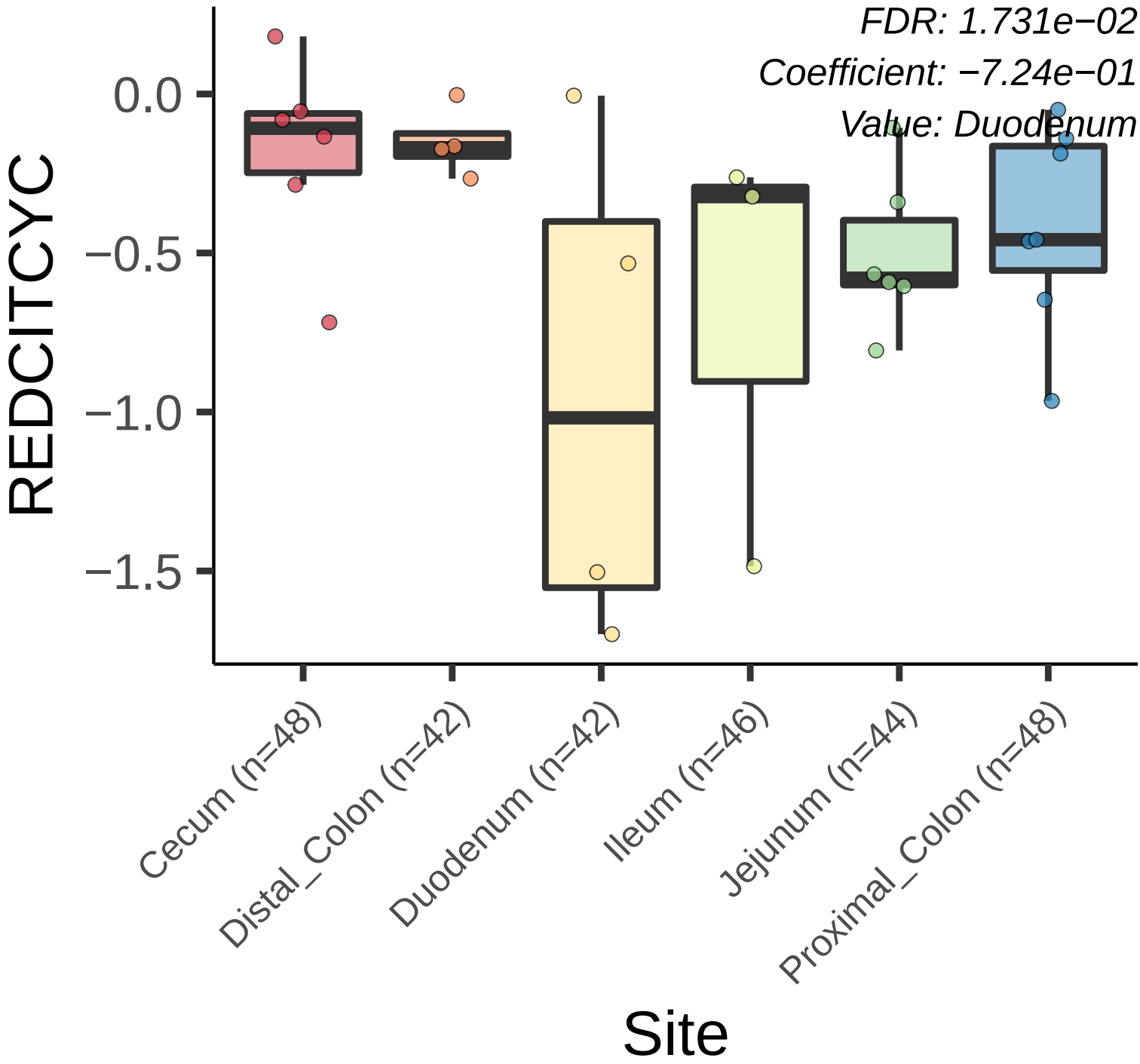

FDR: 1.350e−02
Coefficient: −2.30e−01
Value: Duodenum
SALVADEHYPOX.PWY
0
−1
−2
−3
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

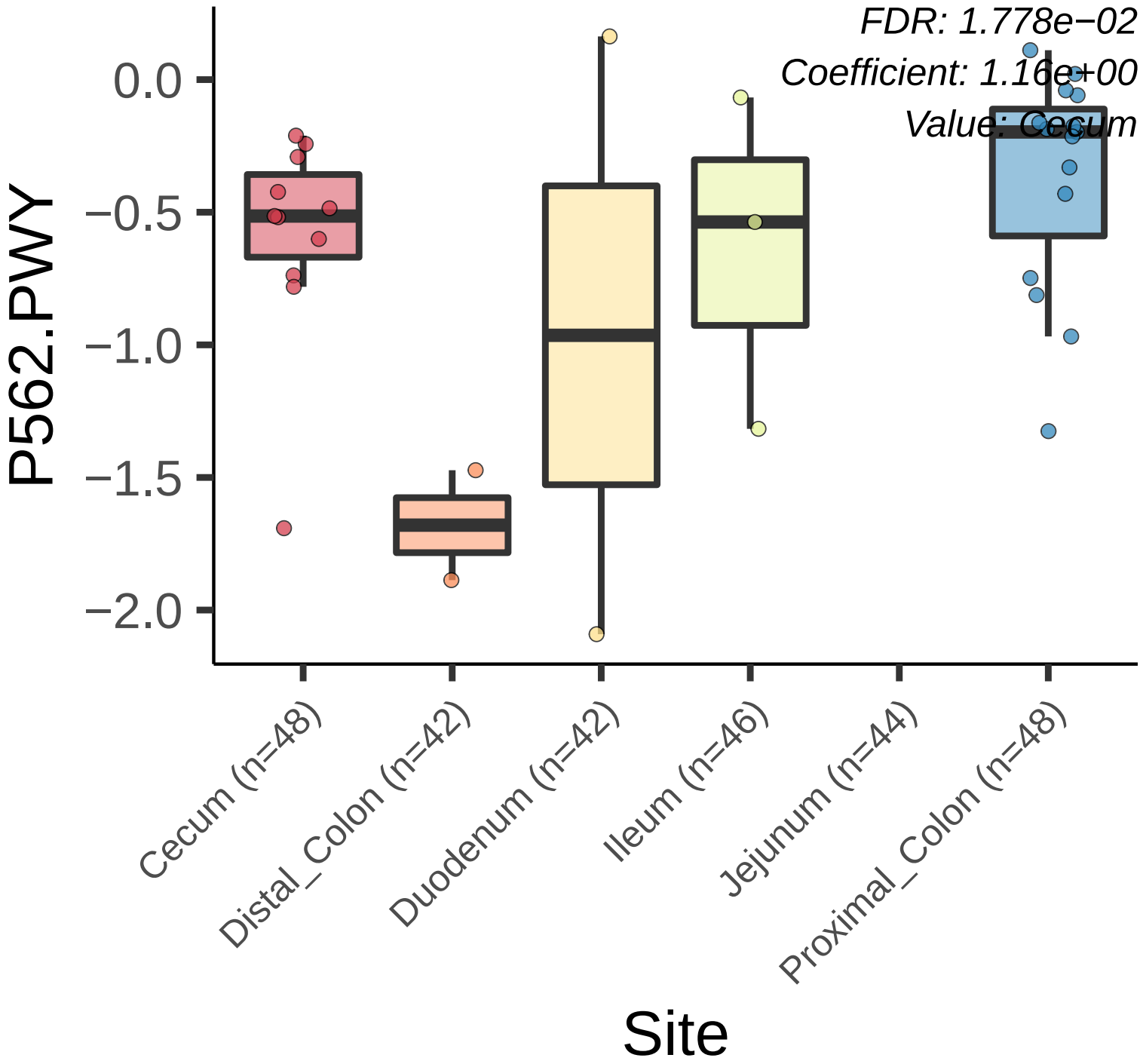

FDR: 1.354e−02
Coefficient: 3.55e−01
Value: Ileum
ARG.POLYAMINE.SYN
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

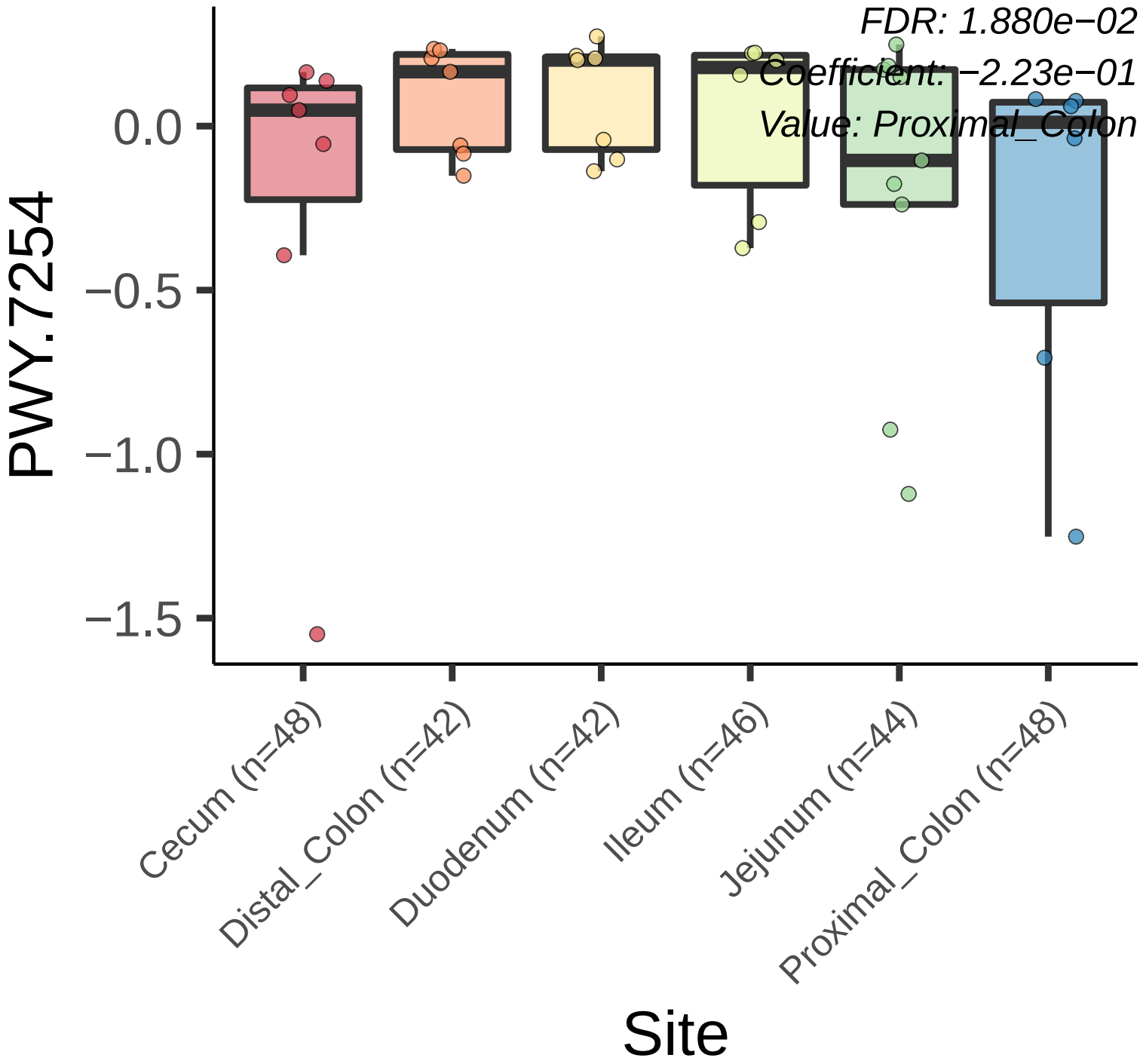

FDR: 1.609e−02
Coefficient: 4.17e−02
Value: Ileum
PWY.3001
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

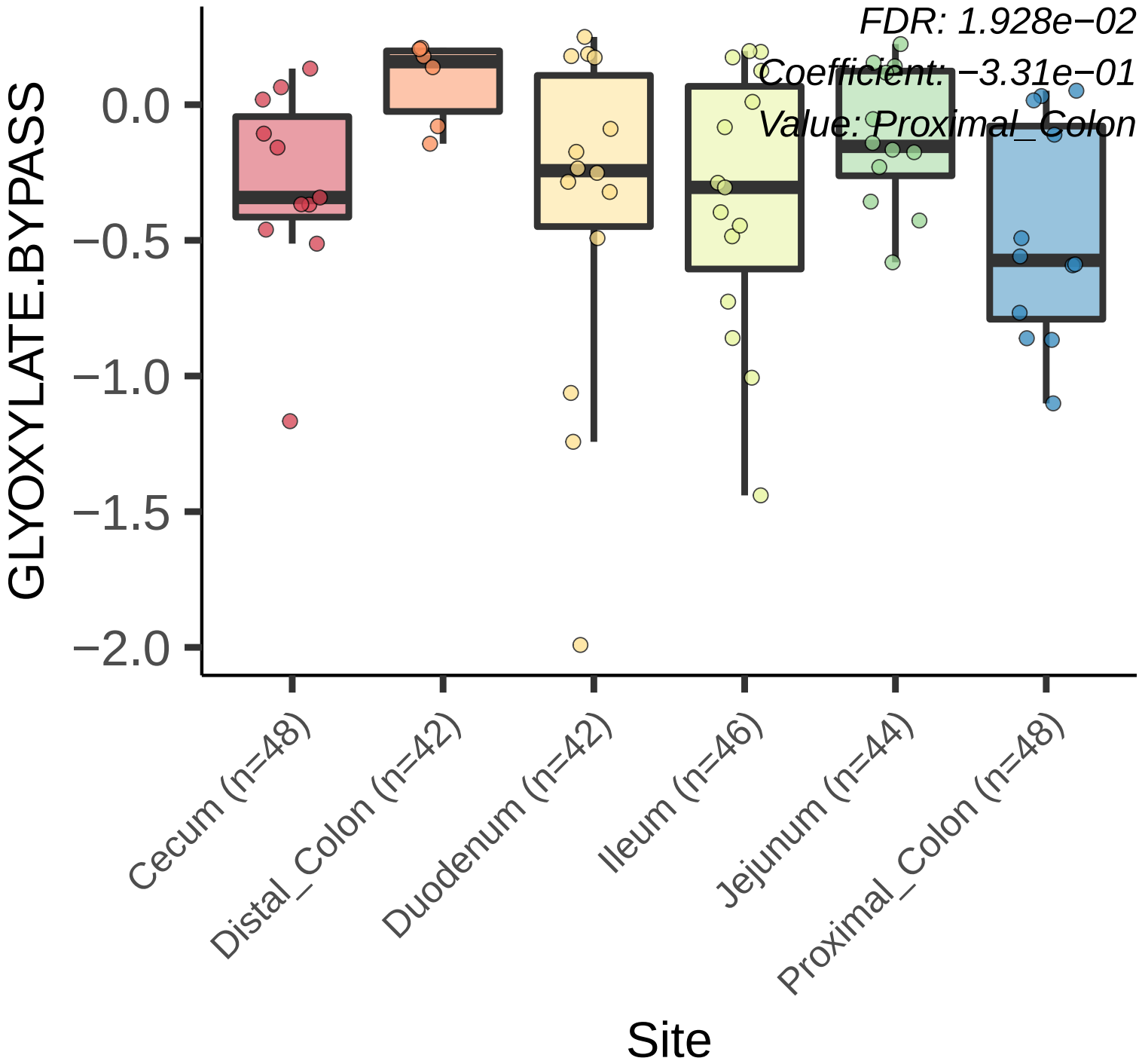

FDR: 1.681e−02
Coefficient: 3.95e−02
Value: Proximal_Colon
GLUCONEO.PWY
0.6
0.4
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

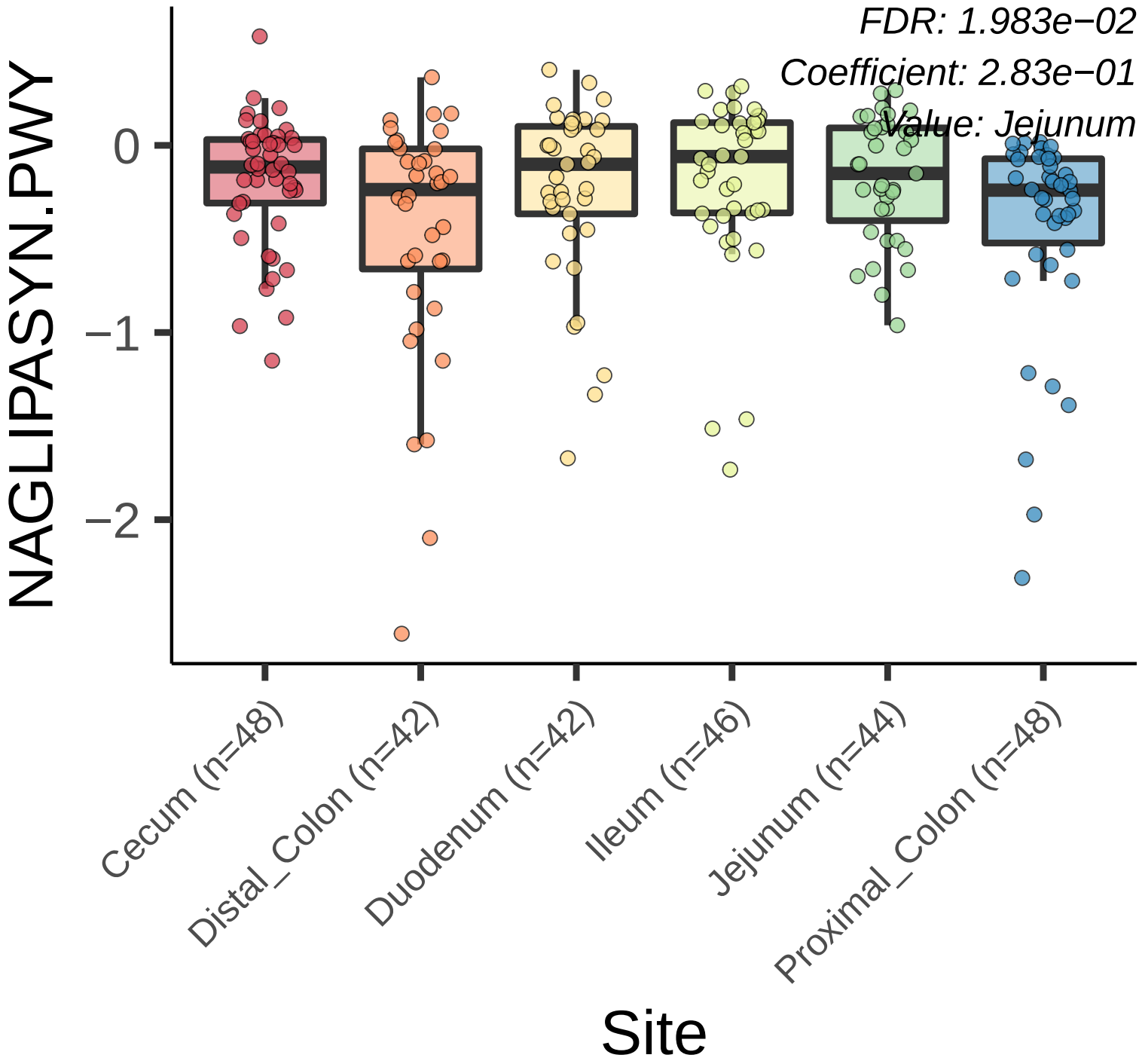

FDR: 1.731e−02
Coefficient: 2.75e−01
Value: Ileum
NAGLIPASYN.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

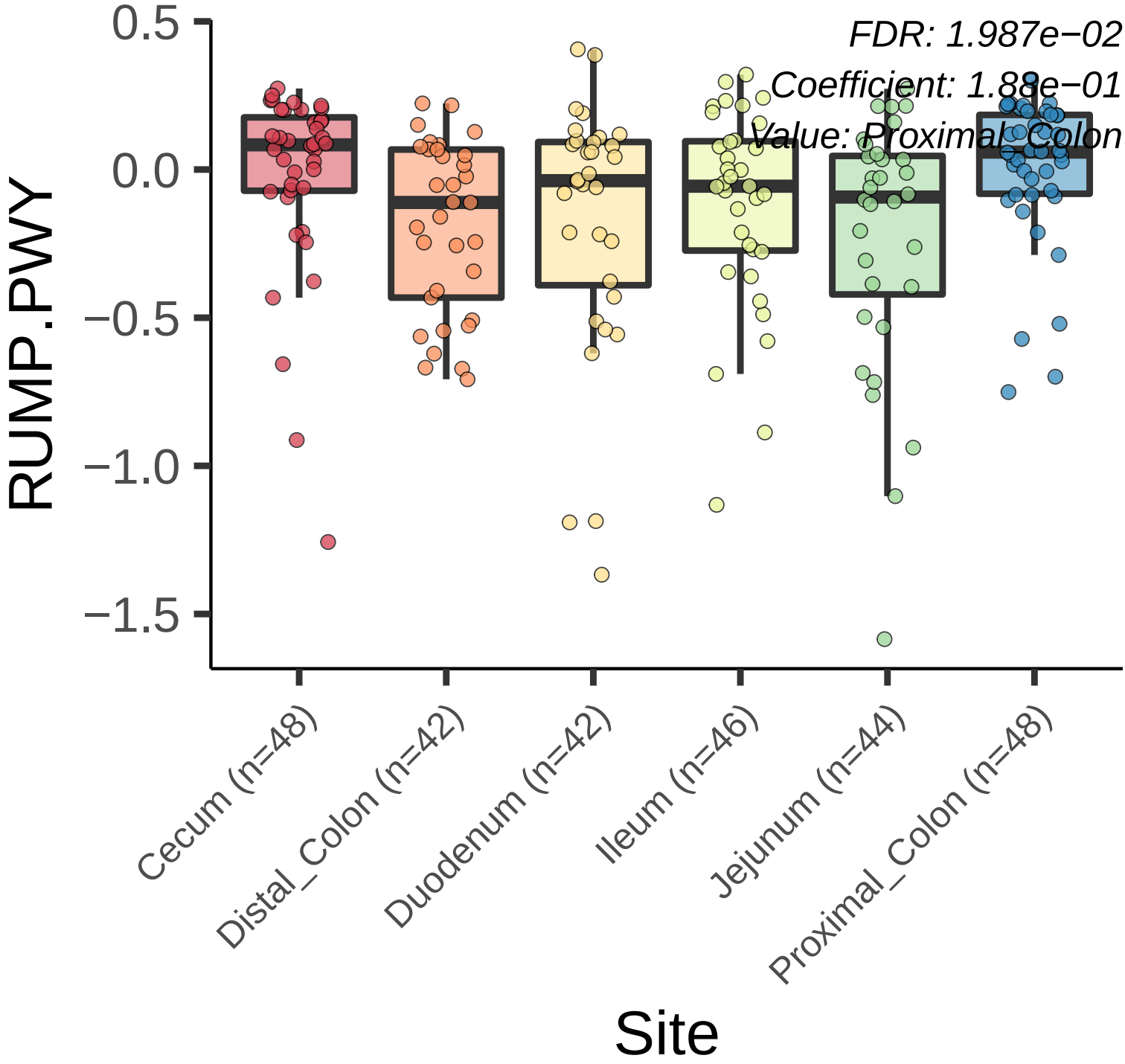

FDR: 1.731e−02
Coefficient: −7.24e−01
Value: Duodenum
REDCITCYC
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

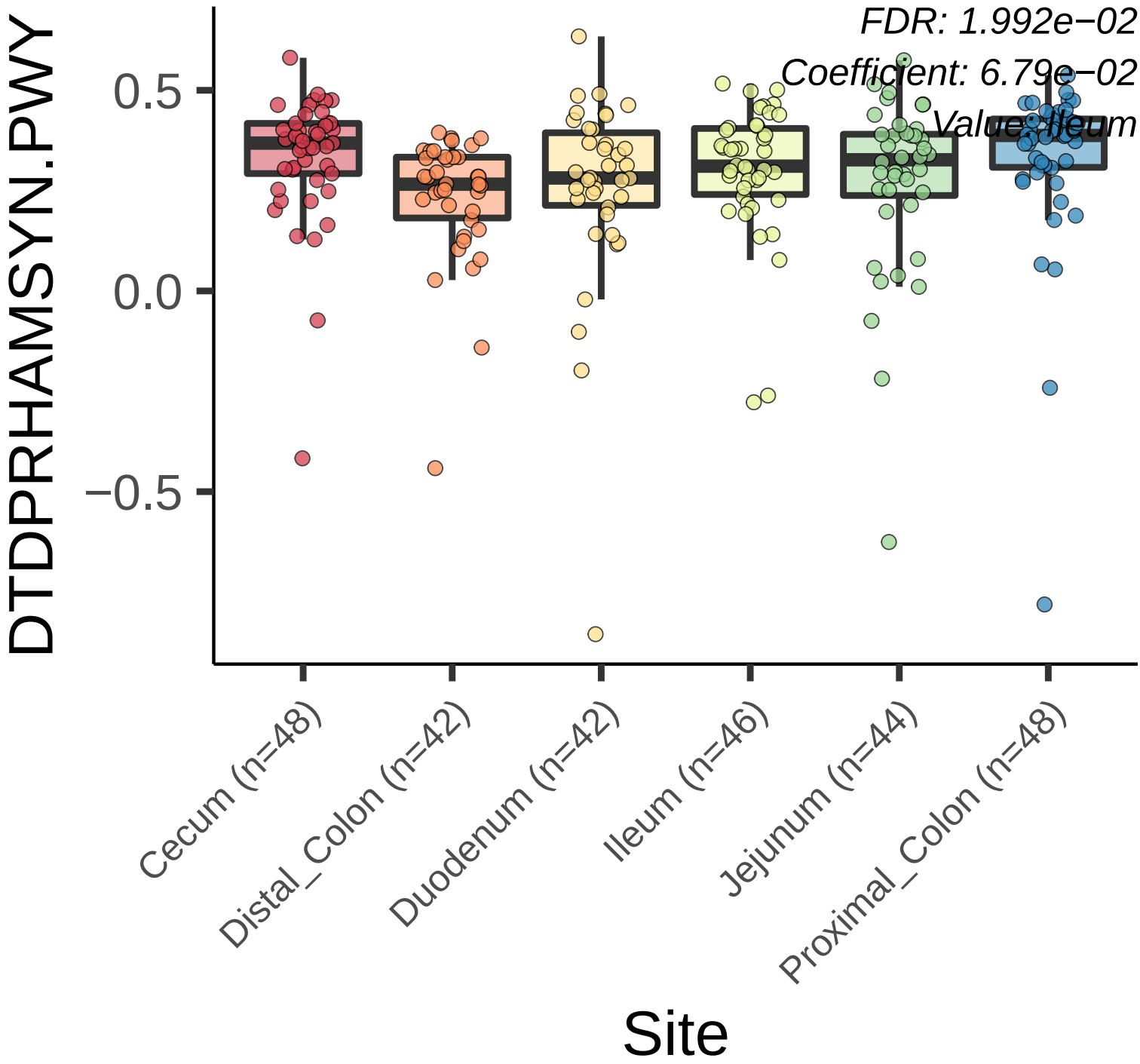

FDR: 1.778e−02
Coefficient: 1.16e+00
Value: Cecum
P562.PWY
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

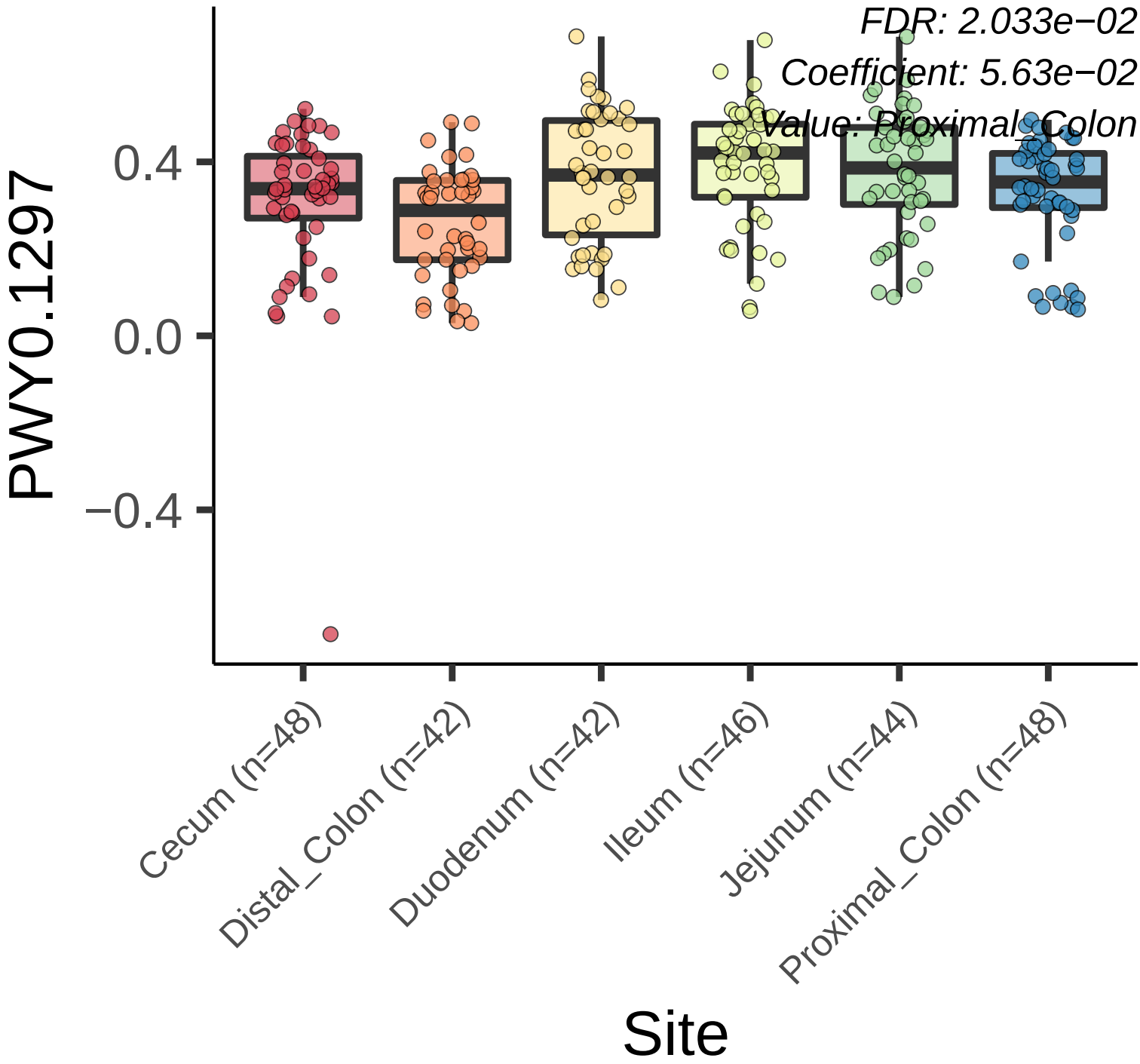

FDR: 1.880e−02
Coefficient: −2.23e−01
Value: Proximal_Colon
PWY.7254
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

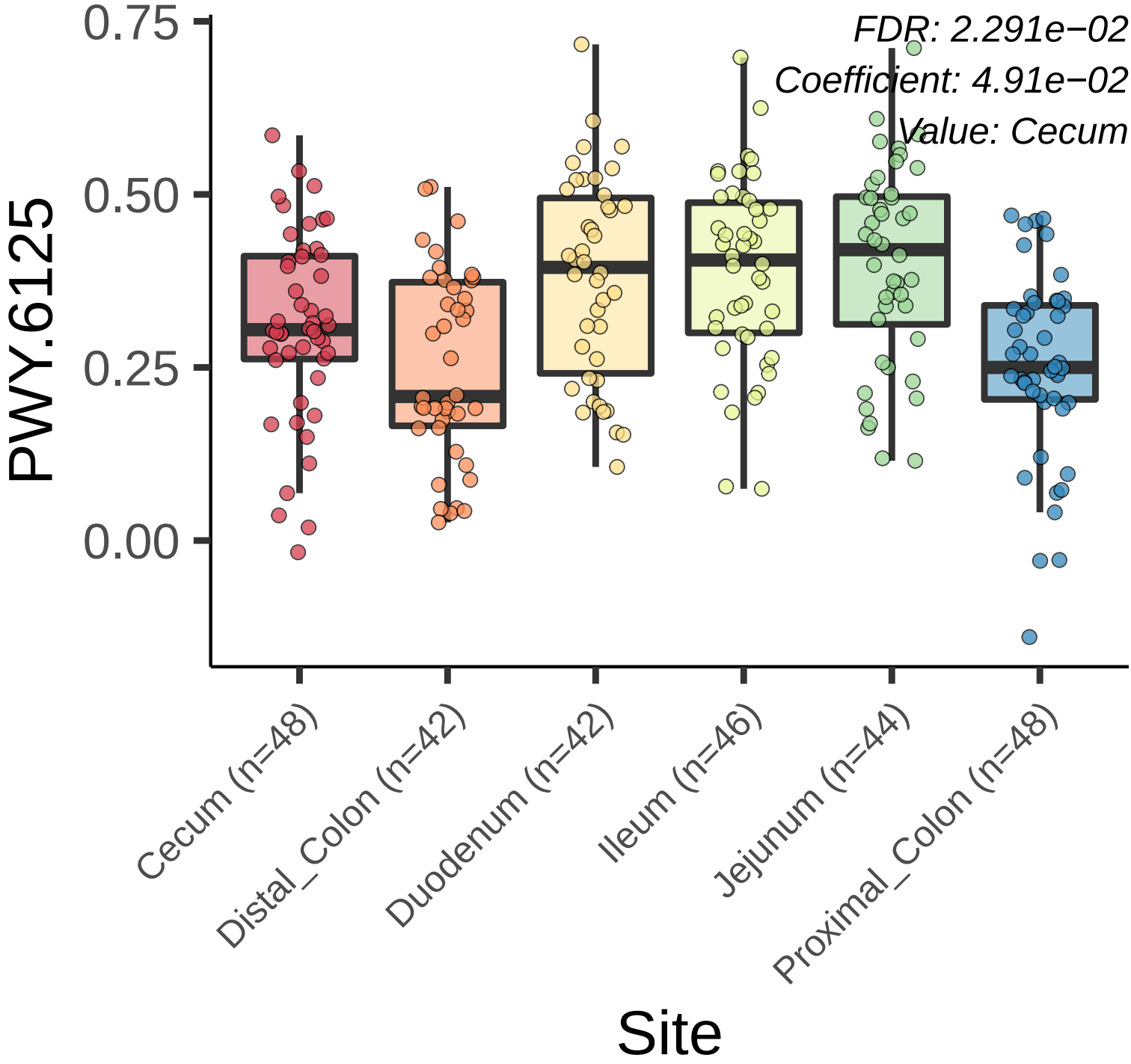

FDR: 1.928e−02
Coefficient: −3.31e−01
Value: Proximal_Colon
GLYOXYLATE.BYPASS
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

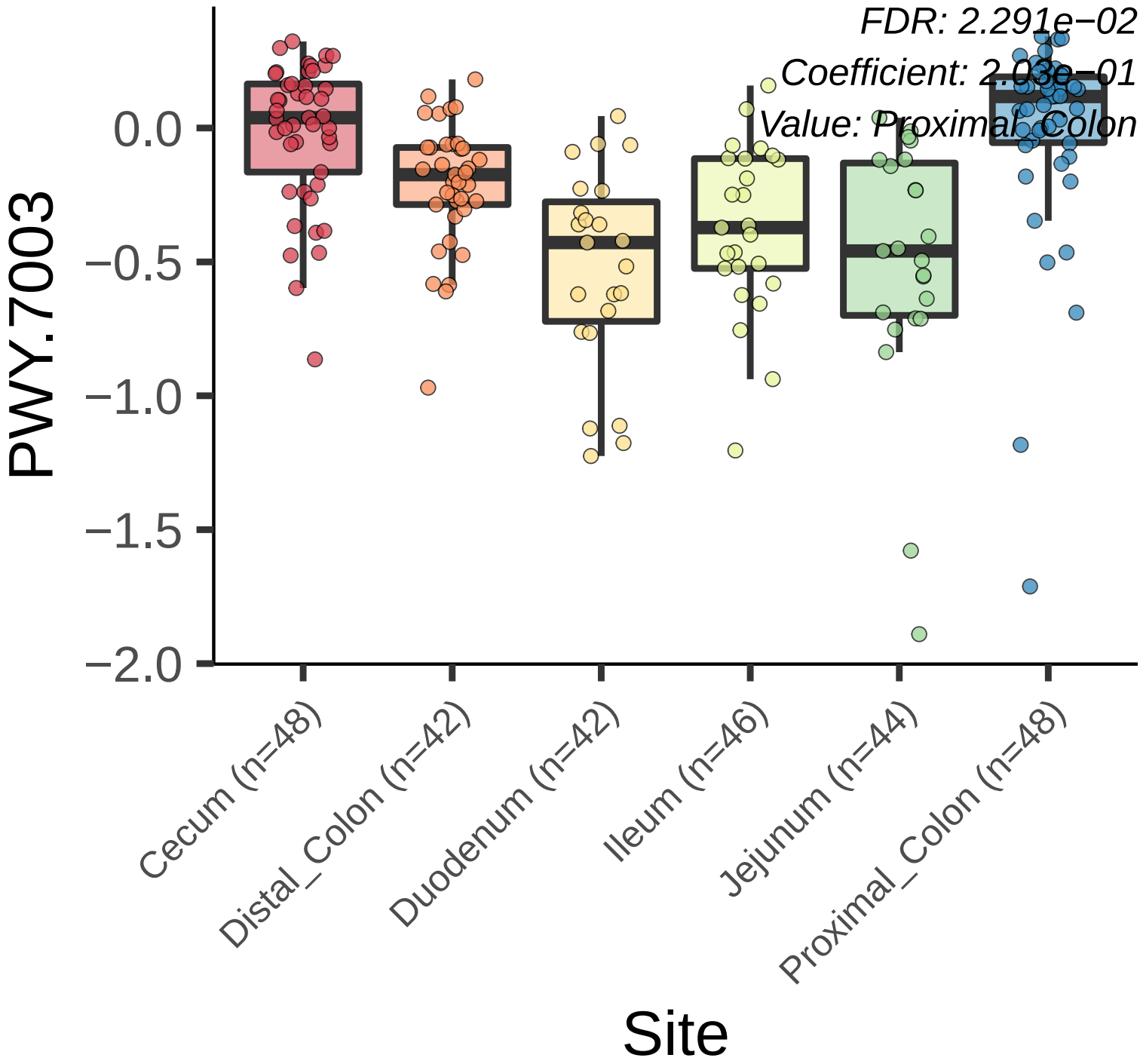

FDR: 1.983e−02
Coefficient: 2.83e−01
Value: Jejunum
NAGLIPASYN.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

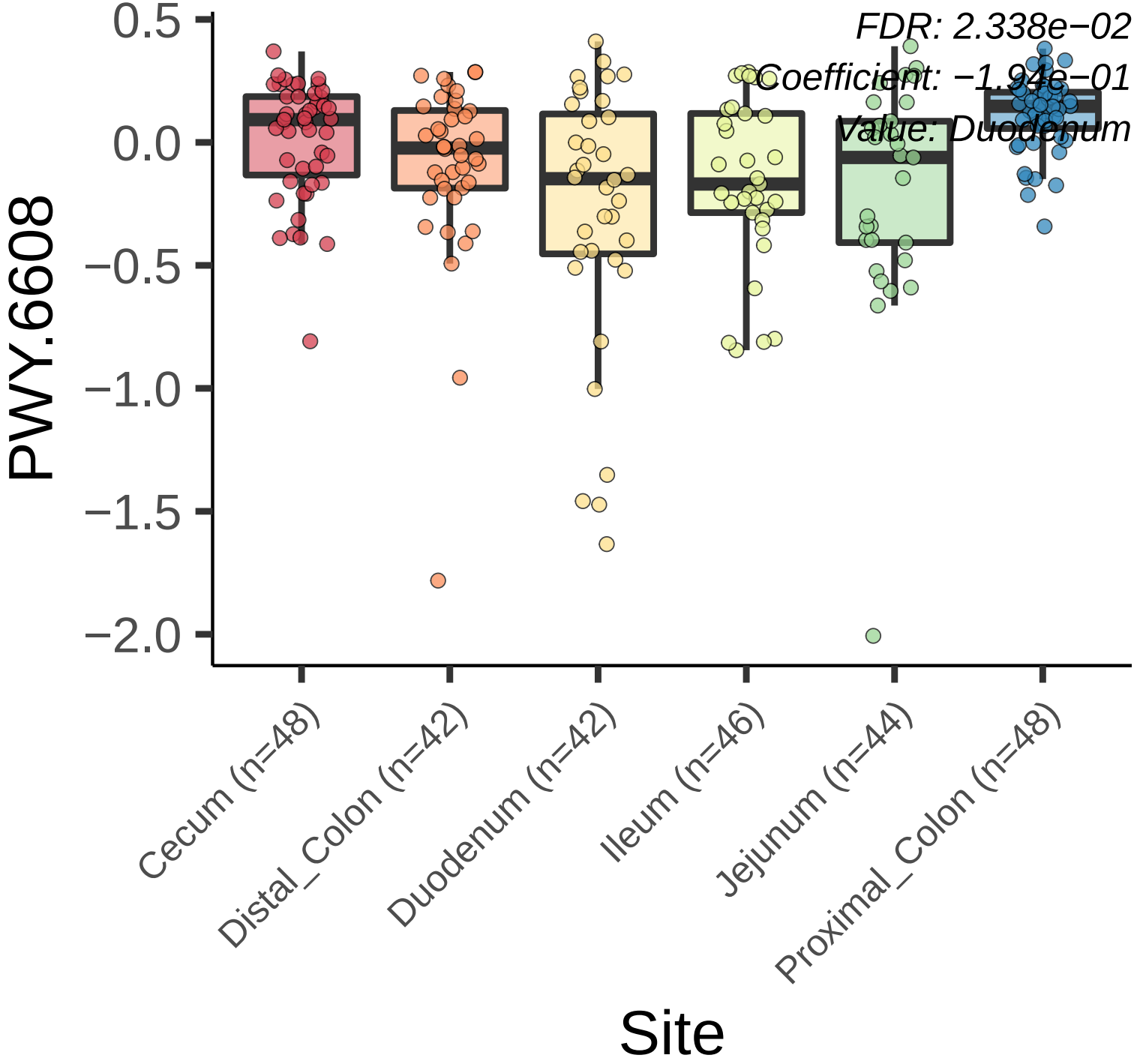

FDR: 1.987e−02
Coefficient: 1.88e−01
Value: Proximal_Colon
RUMP.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

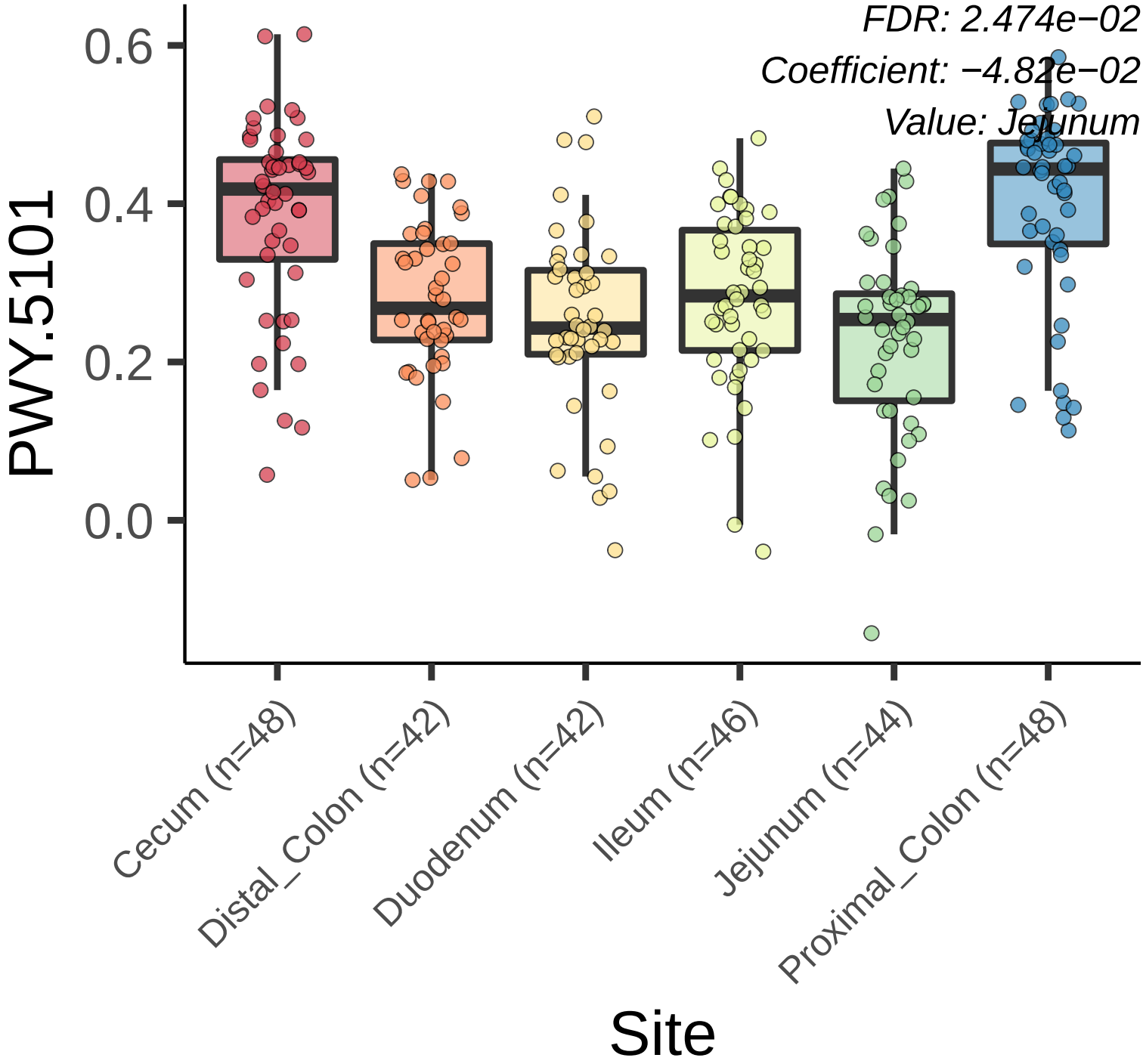

FDR: 1.992e−02
Coefficient: 6.79e−02
Value: Ileum
DTDPRHAMSYN.PWY
0.5
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

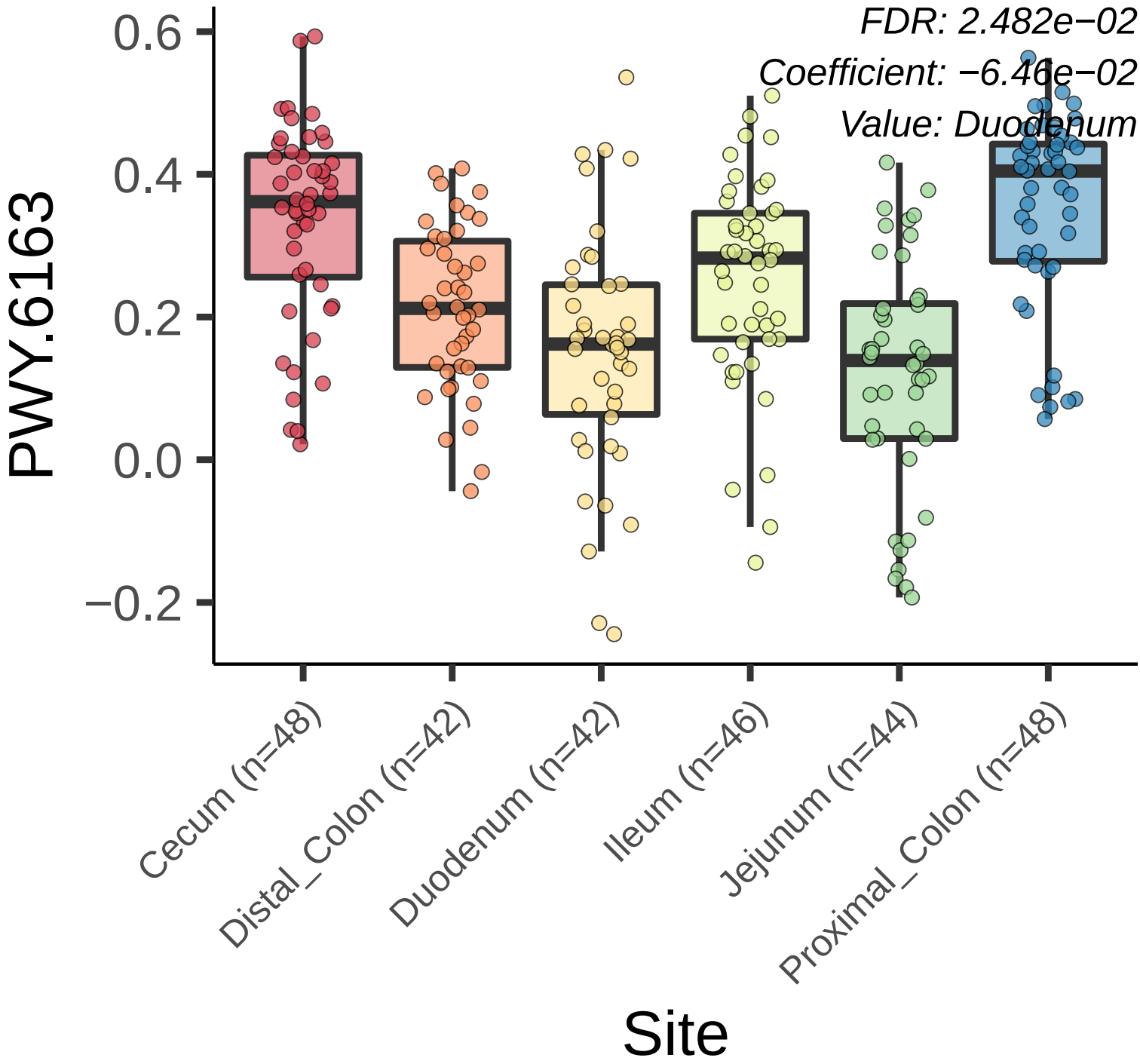

FDR: 2.033e−02
Coefficient: 5.63e−02
Value: Proximal_Colon
PWY0.1297
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

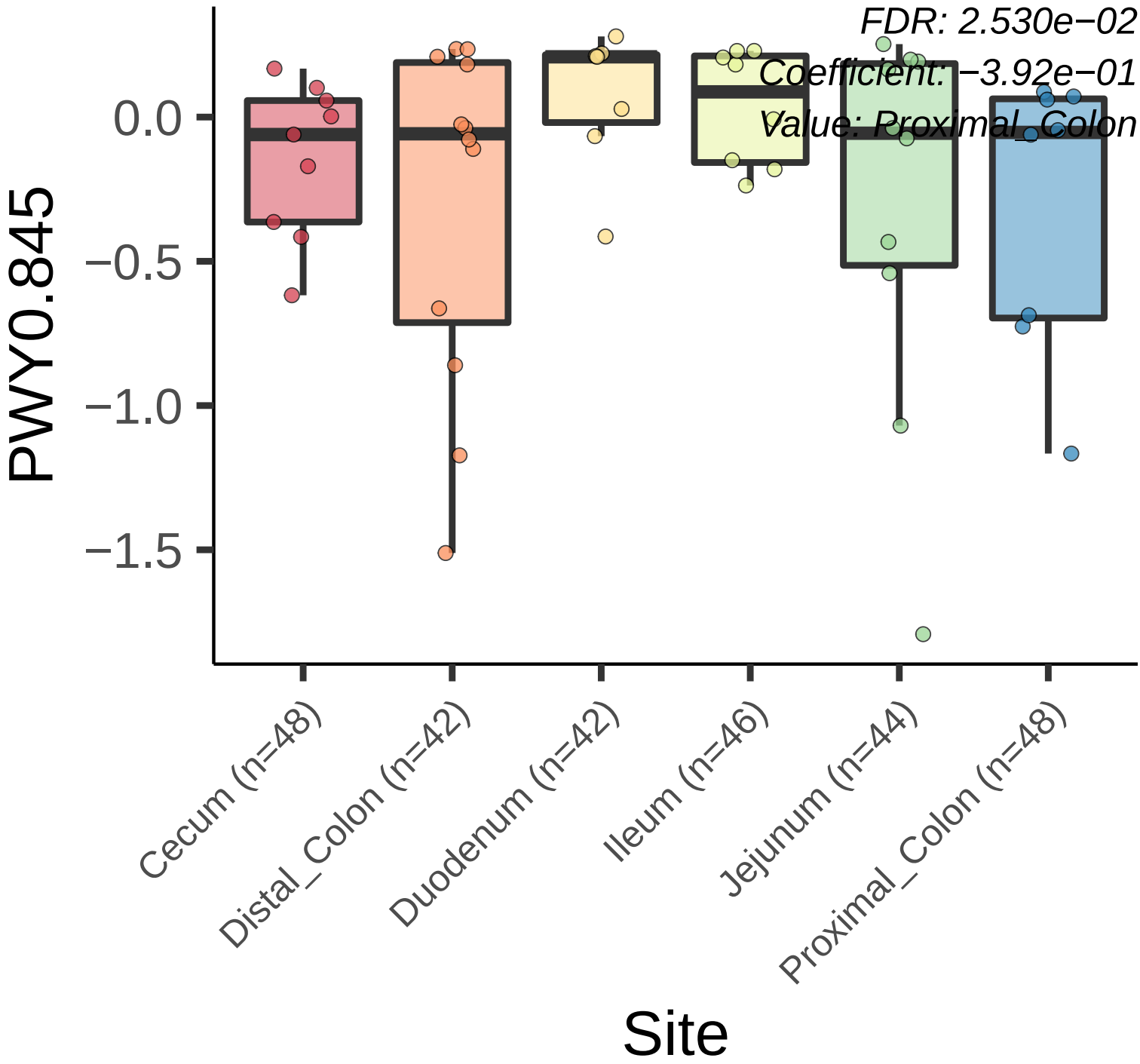

FDR: 2.291e−02
Coefficient: 4.91e−02
Value: Cecum
PWY.6125
0.75
0.50
0.25
0.00
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

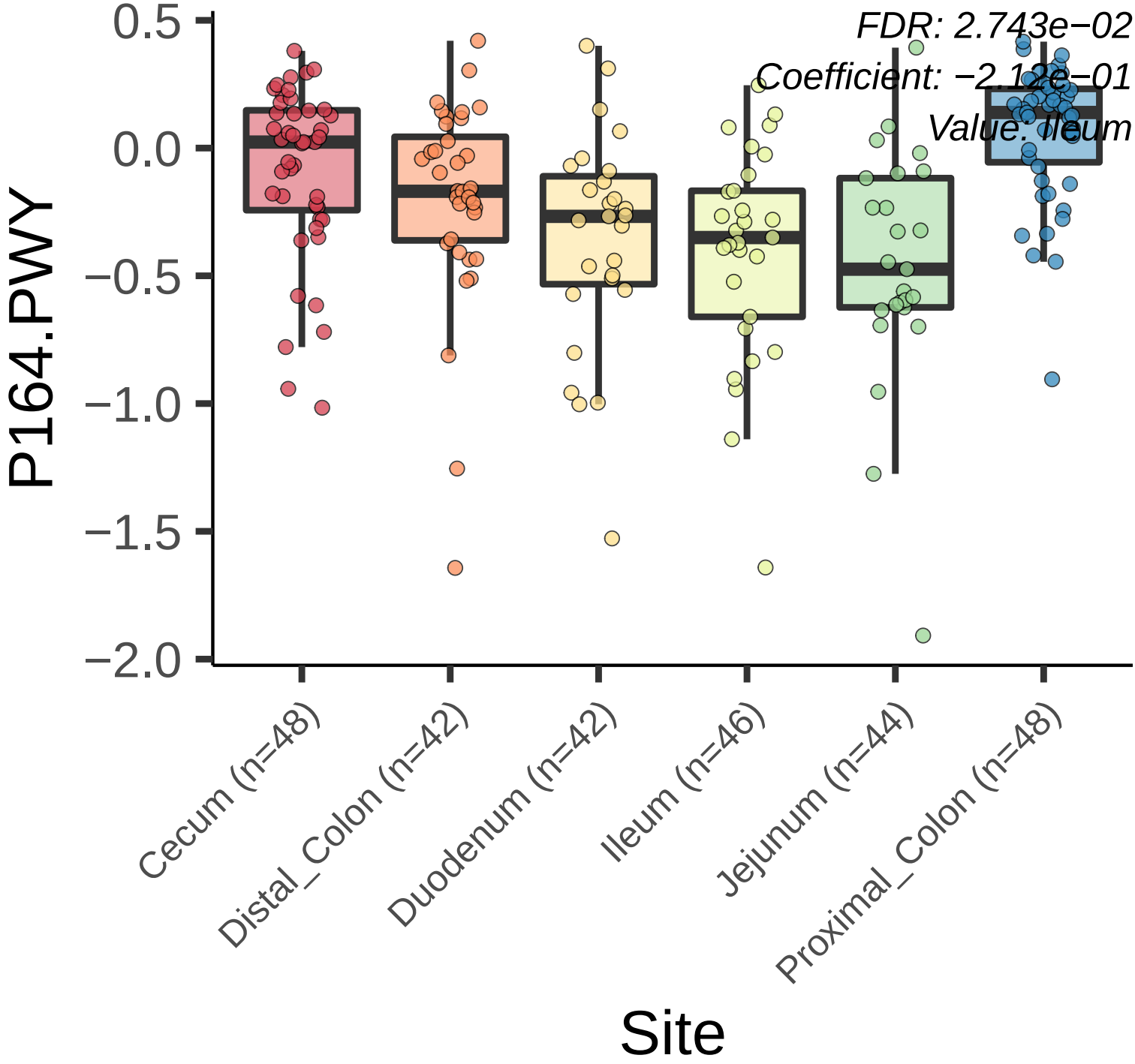

FDR: 2.291e−02
Coefficient: 2.03e−01
Value: Proximal_Colon
PWY.7003
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

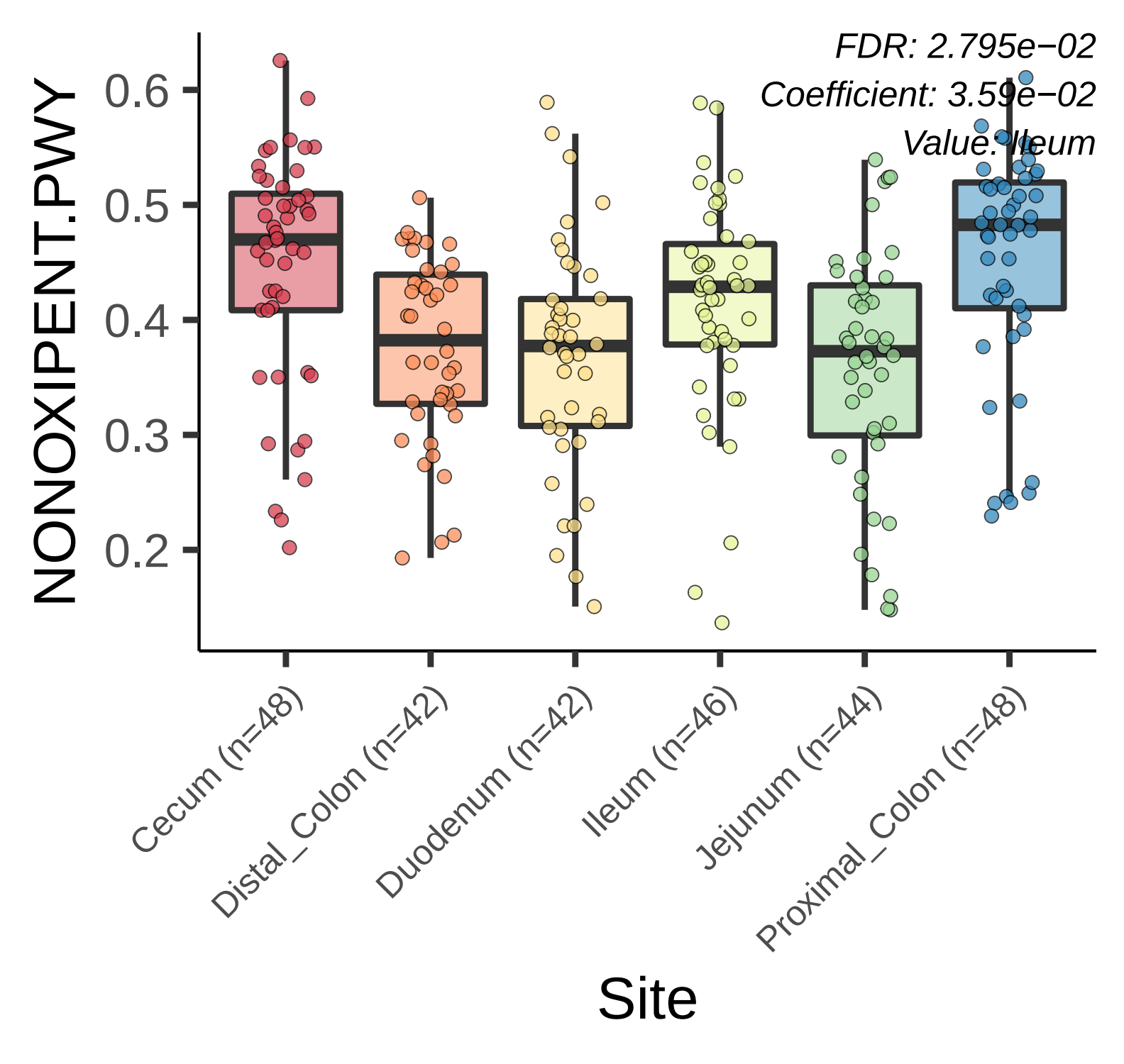

FDR: 2.338e−02
Coefficient: −1.94e−01
Value: Duodenum
PWY.6608
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

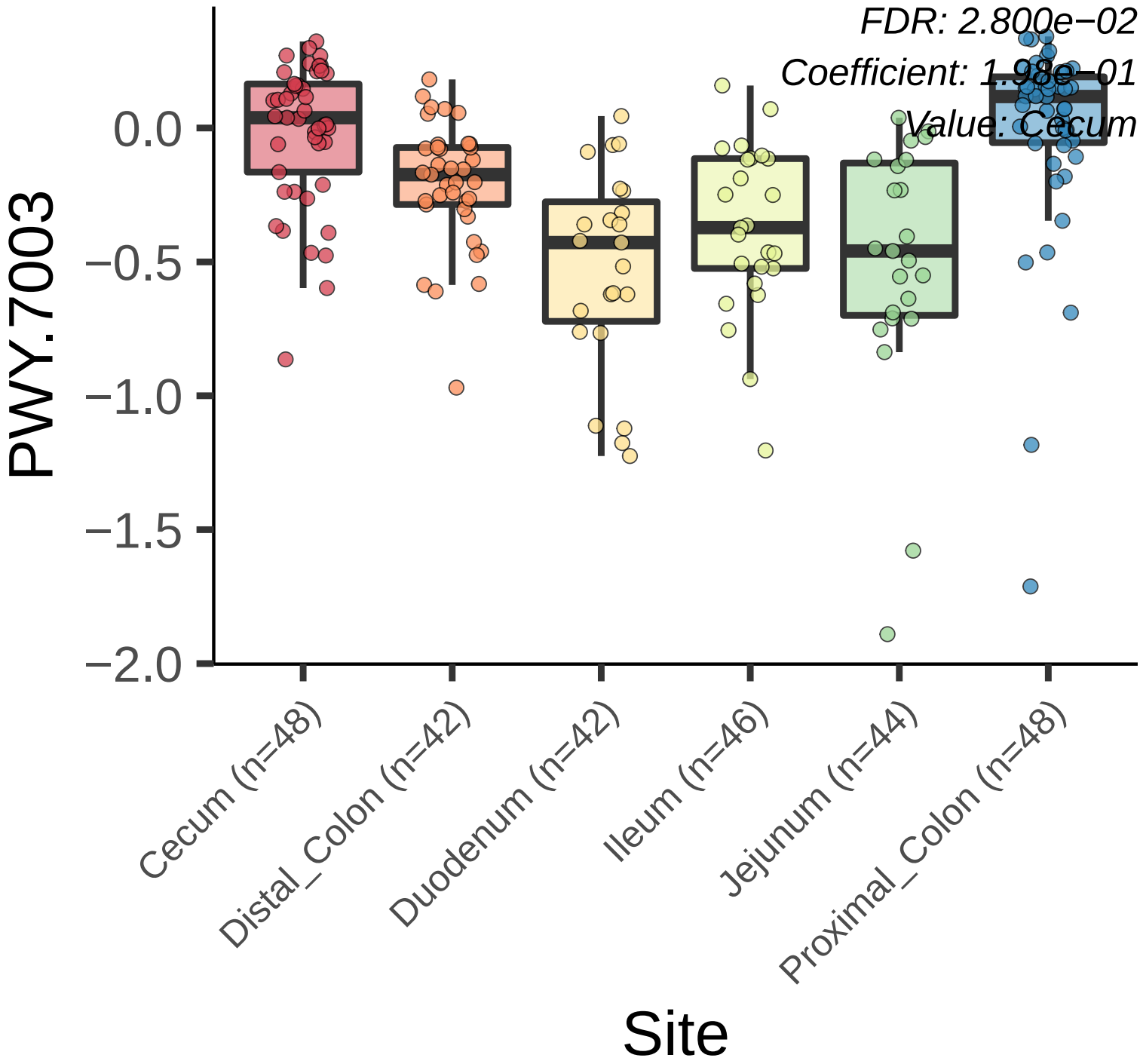

FDR: 2.474e−02
Coefficient: −4.82e−02
Value: Jejunum
PWY.5101
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

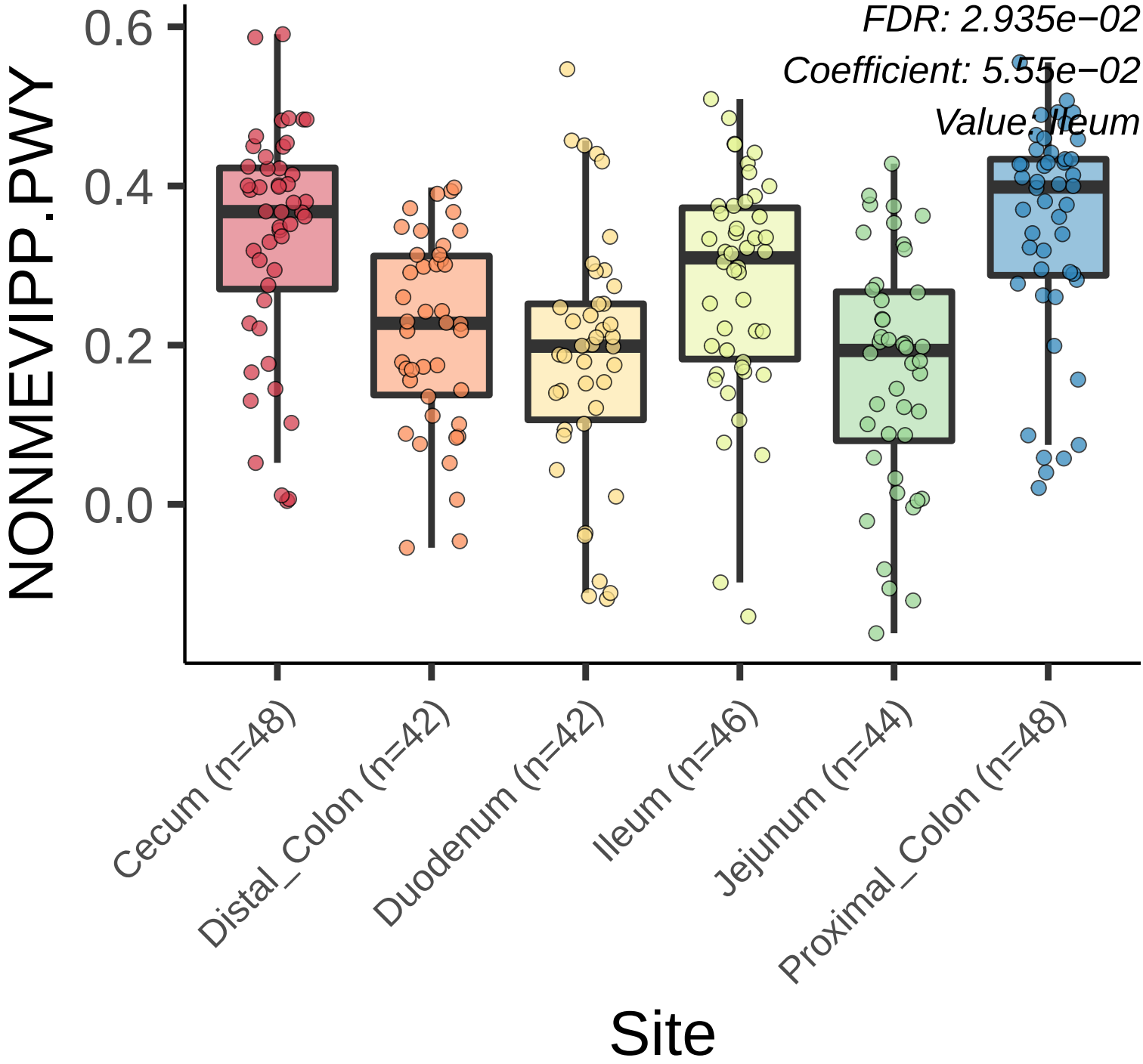

FDR: 2.482e−02
Coefficient: −6.46e−02
Value: Duodenum
PWY.6163
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

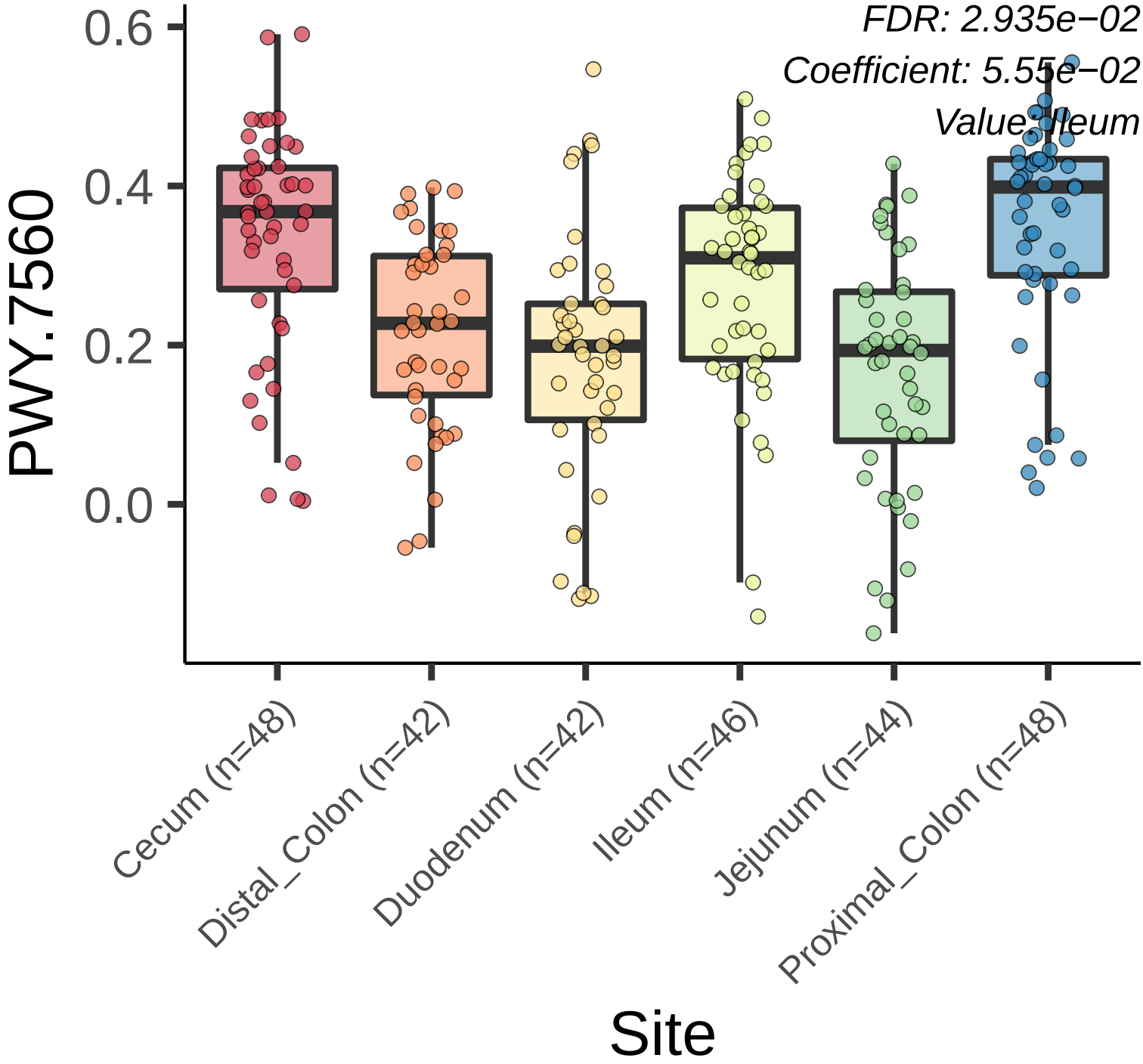

FDR: 2.530e−02
Coefficient: −3.92e−01
Value: Proximal_Colon
PWY0.845
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

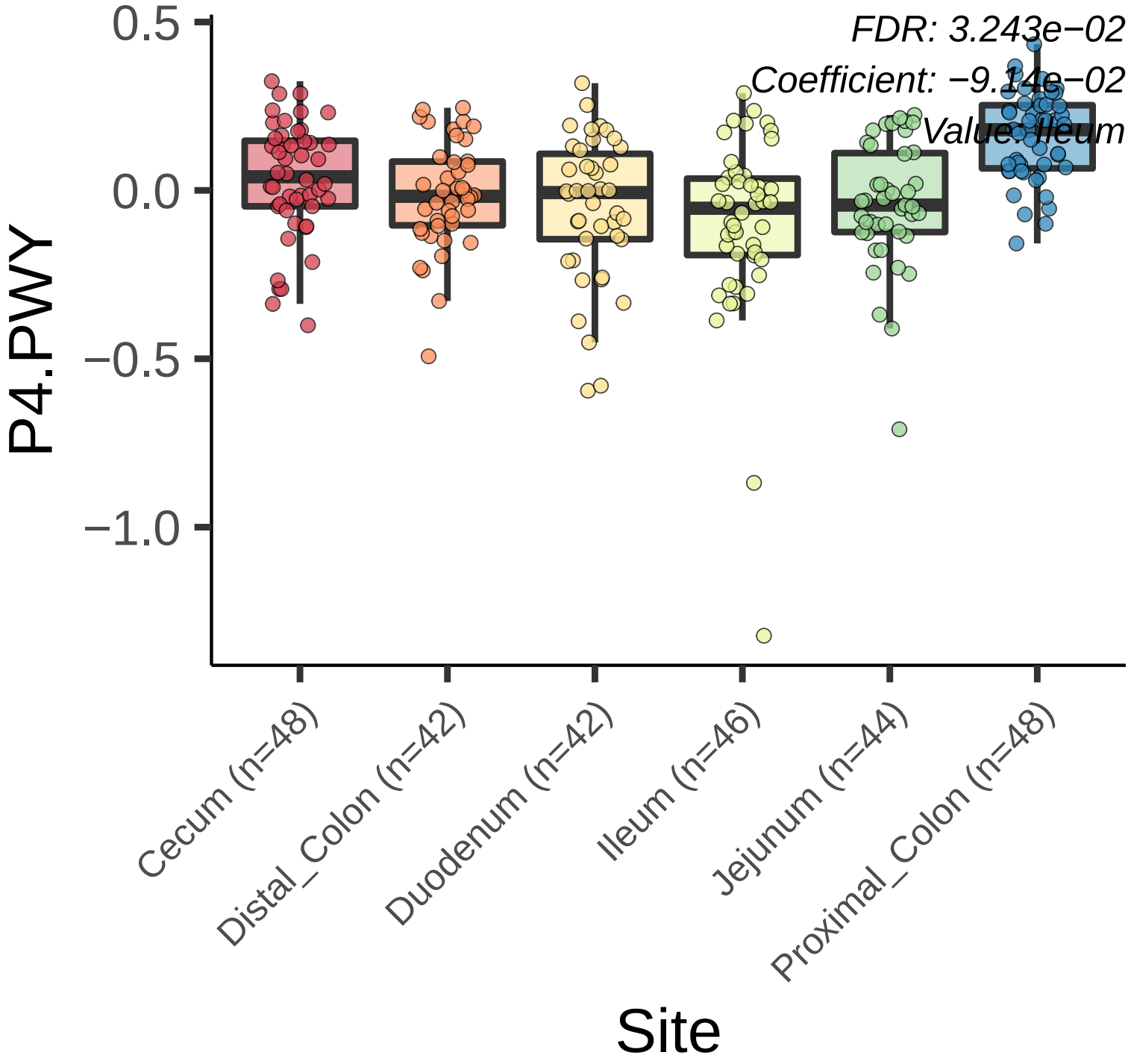

FDR: 2.743e−02
Coefficient: −2.12e−01
Value: Ileum
P164.PWY
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

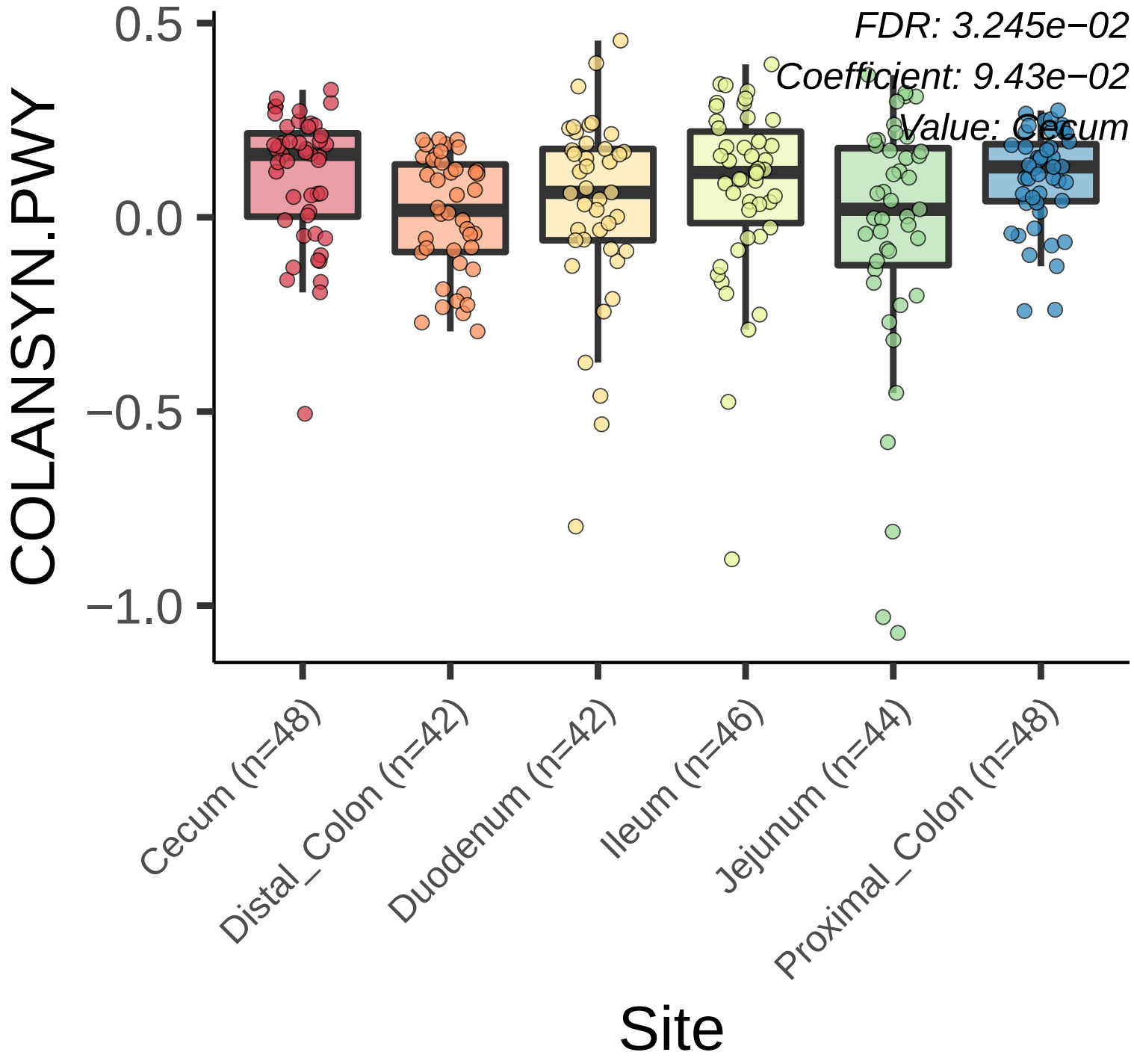

FDR: 2.795e−02
Coefficient: 3.59e−02
Value: Ileum
NONOXIPENT.PWY
0.6
0.5
0.4
0.3
0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

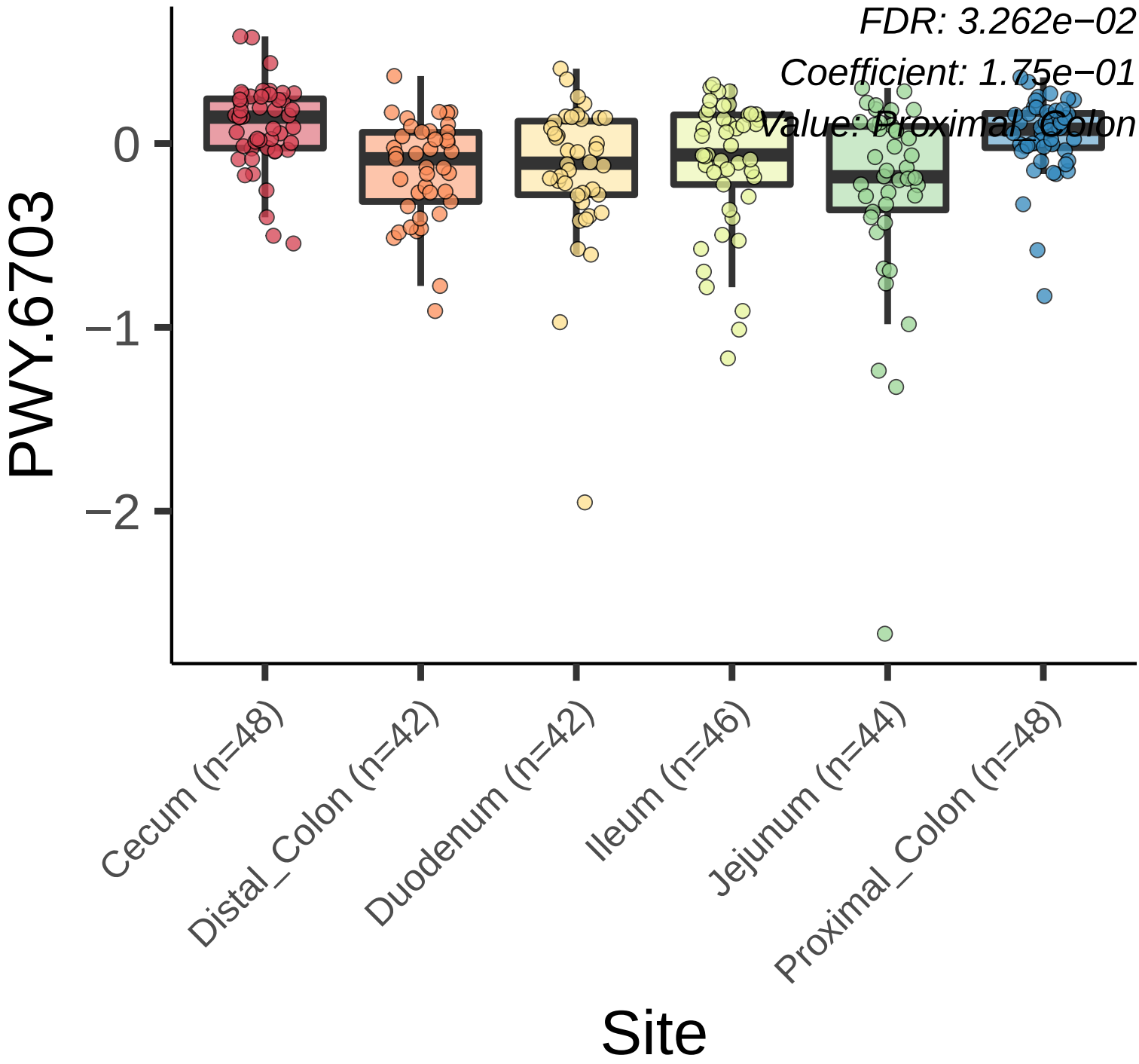

FDR: 2.800e−02
Coefficient: 1.98e−01
Value: Cecum
PWY.7003
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

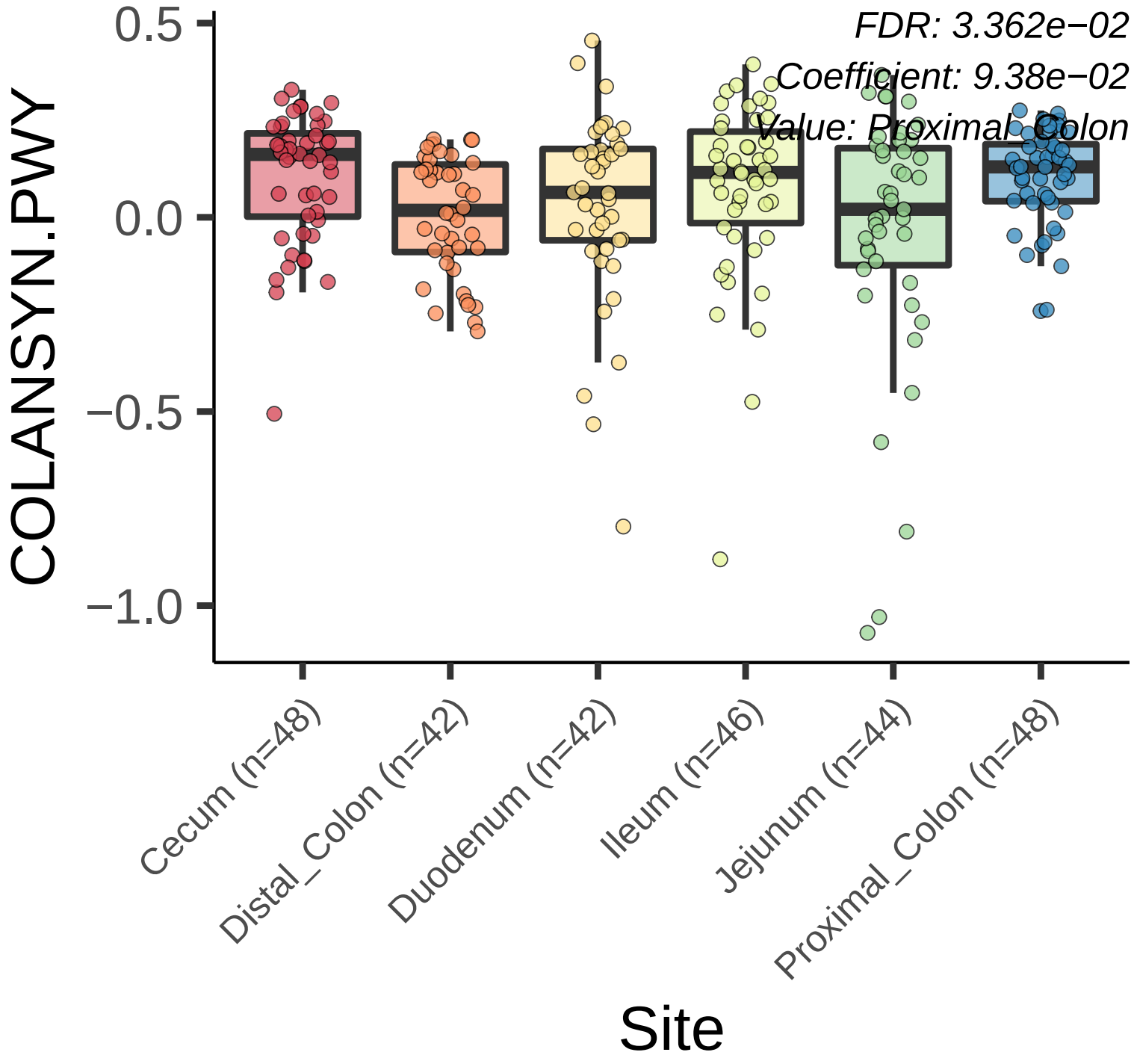

FDR: 2.935e−02
Coefficient: 5.55e−02
Value: Ileum
NONMEVIPP.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

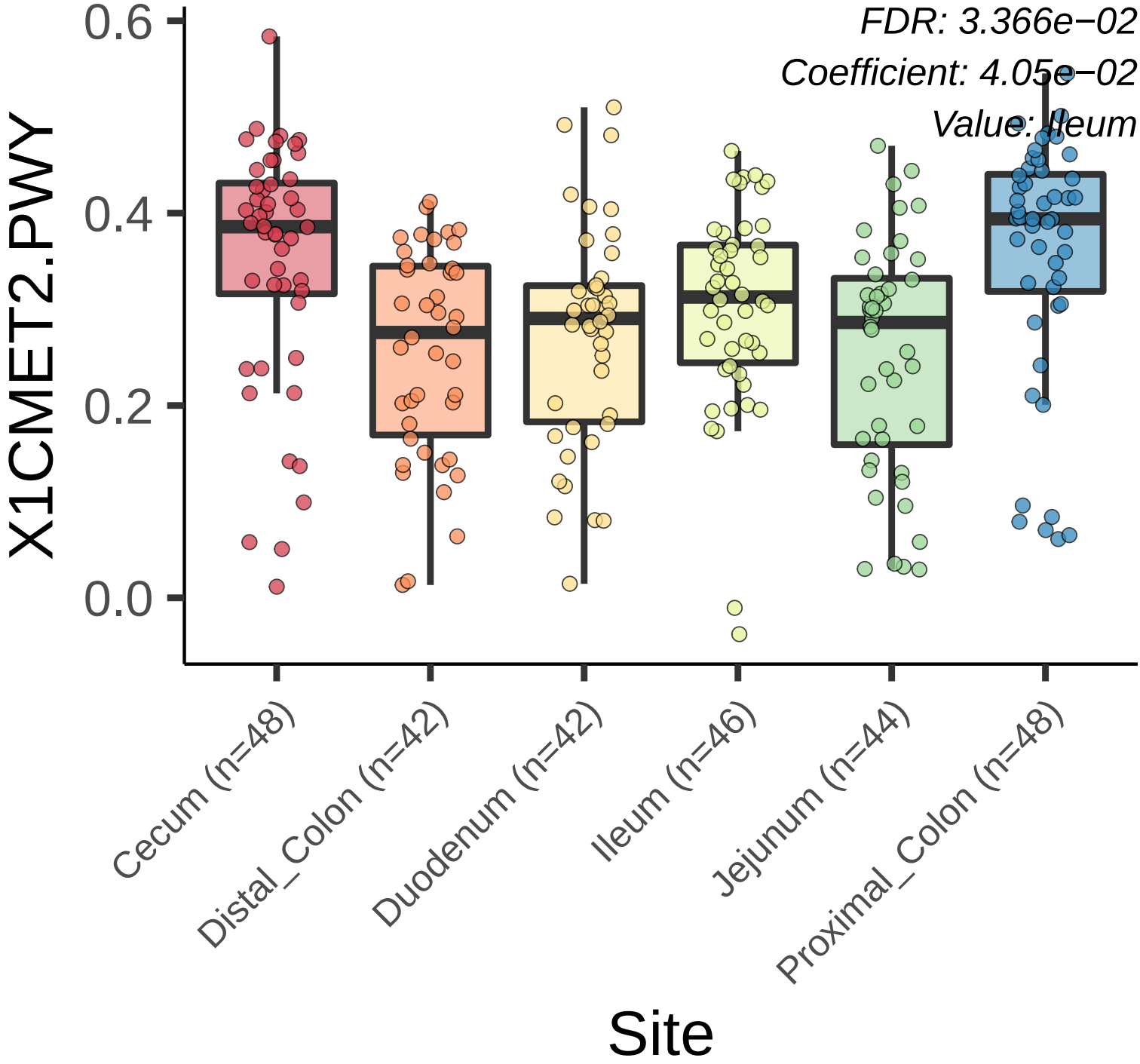

FDR: 2.935e−02
Coefficient: 5.55e−02
Value: Ileum
PWY.7560
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

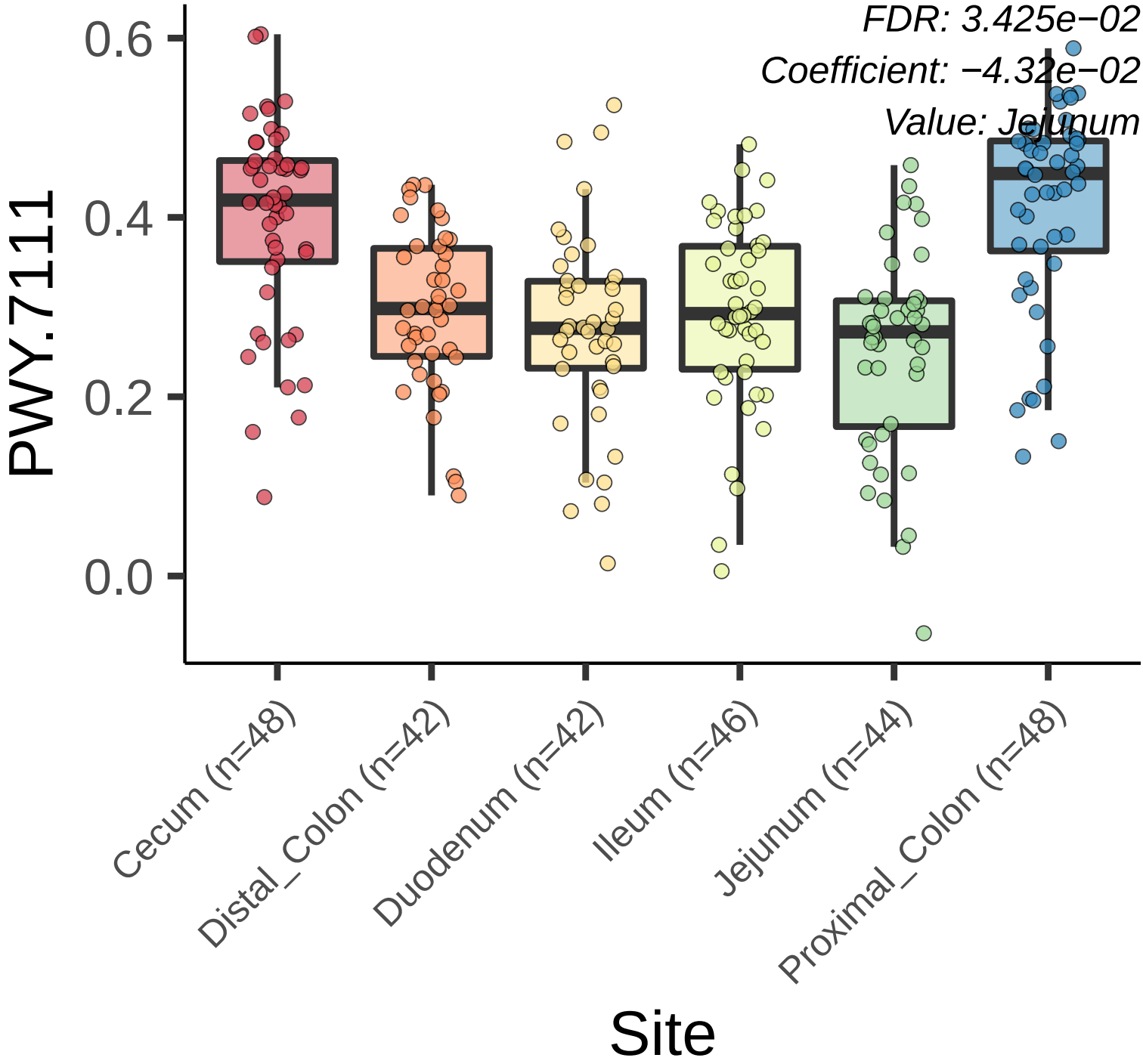

FDR: 3.243e−02
Coefficient: −9.14e−02
Value: Ileum
P4.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

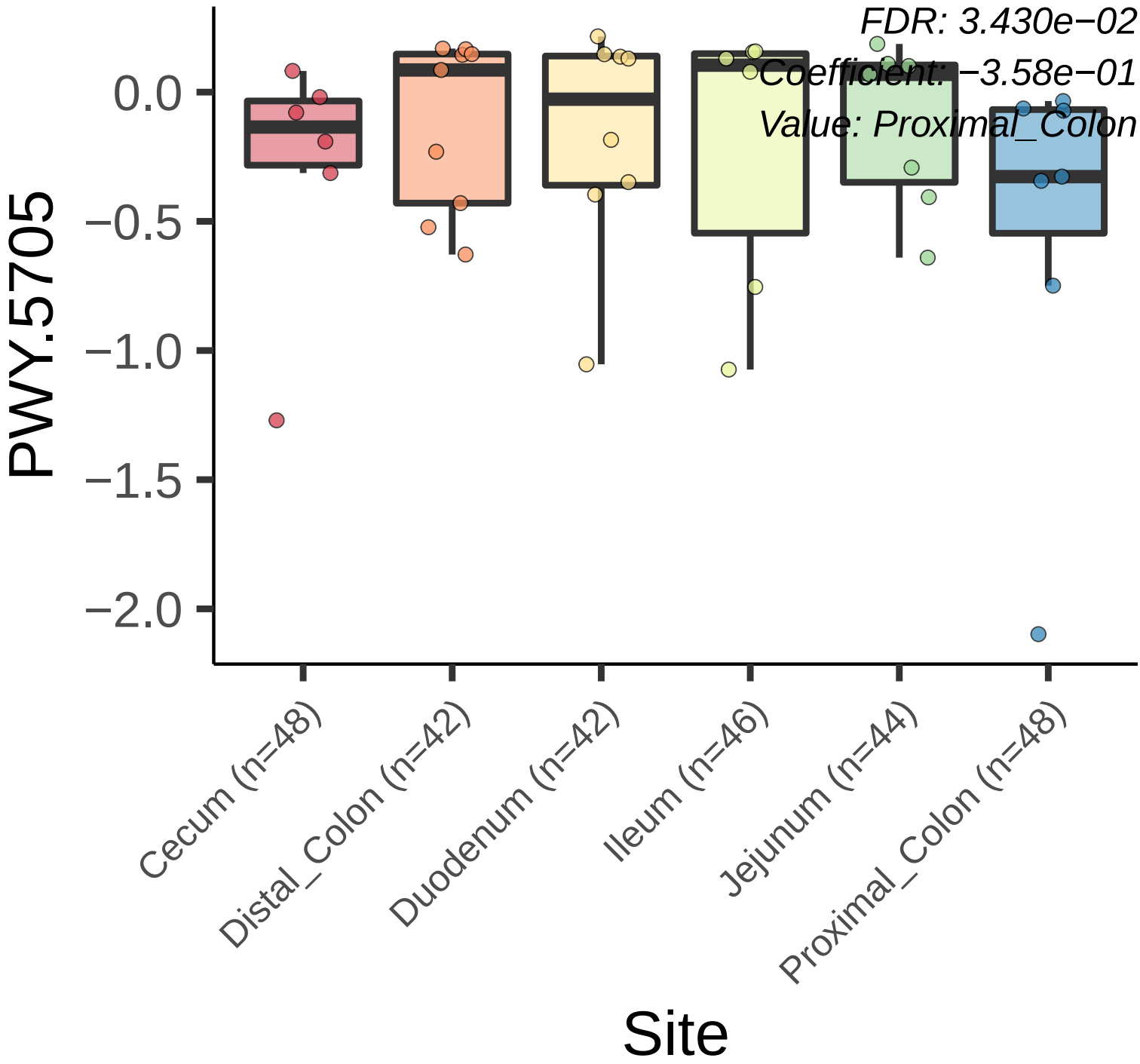

FDR: 3.245e−02
Coefficient: 9.43e−02
Value: Cecum
COLANSYN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

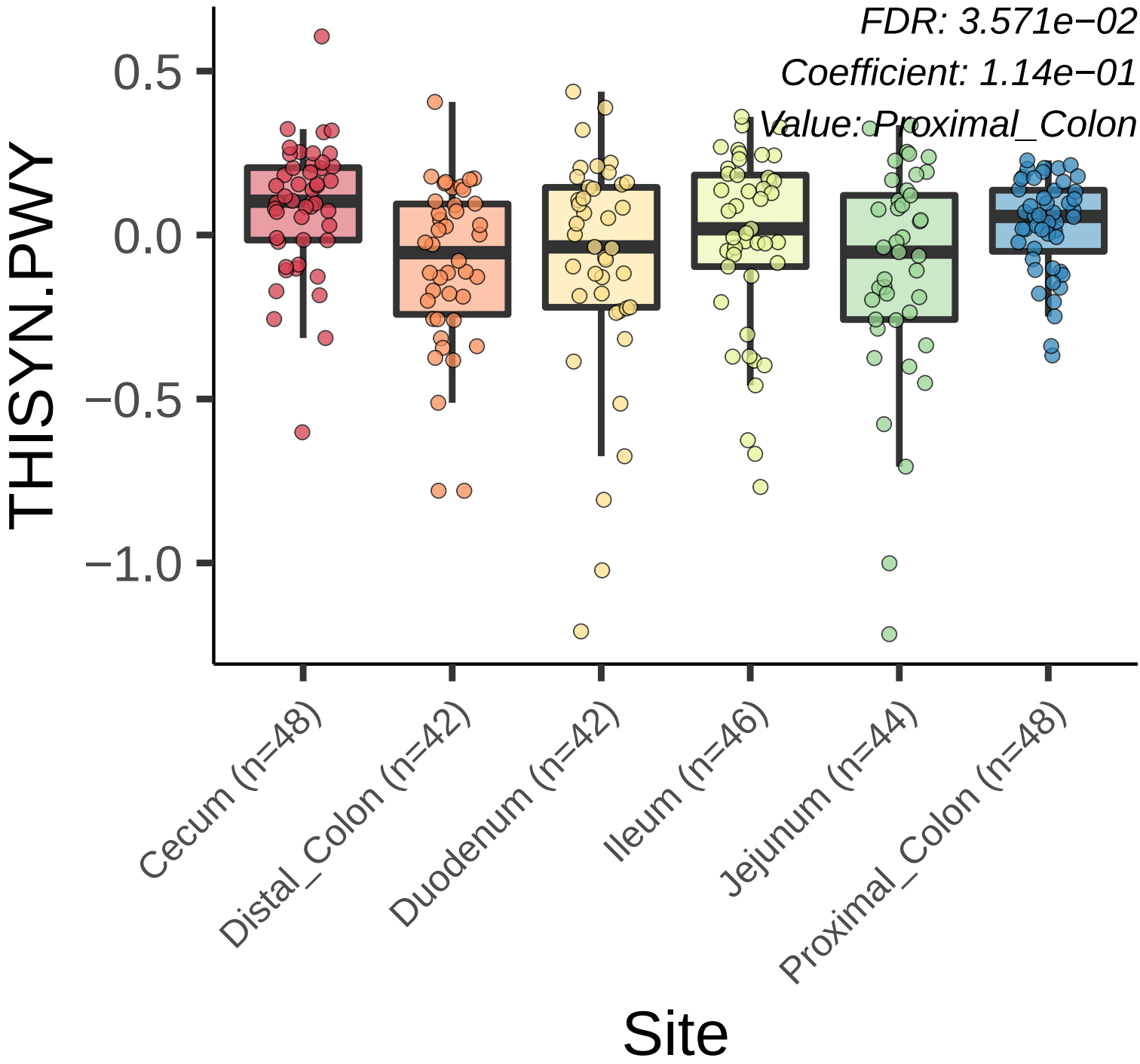

FDR: 3.262e−02
Coefficient: 1.75e−01
Value: Proximal_Colon
PWY.6703
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

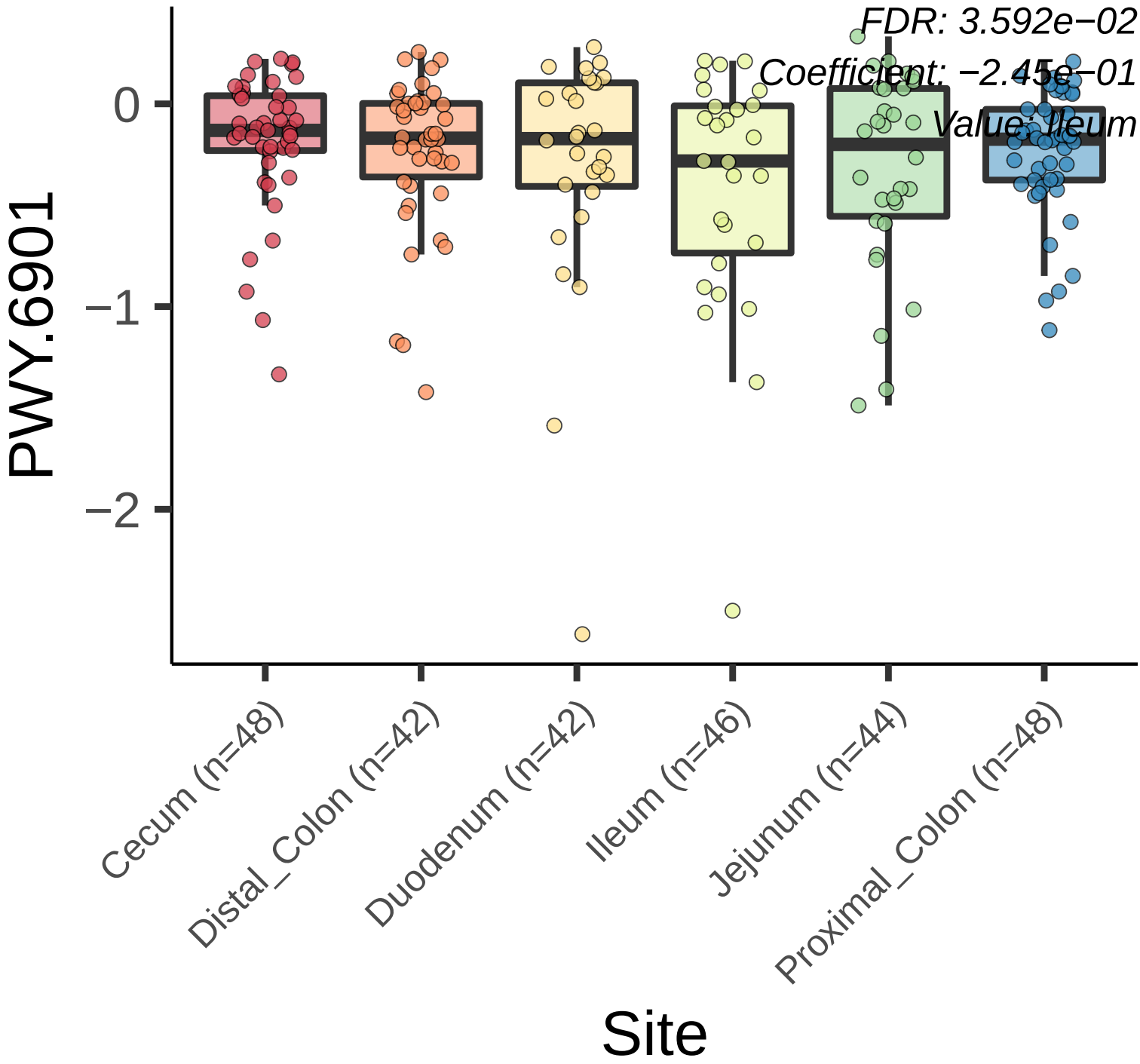

FDR: 3.362e−02
Coefficient: 9.38e−02
Value: Proximal_Colon
COLANSYN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

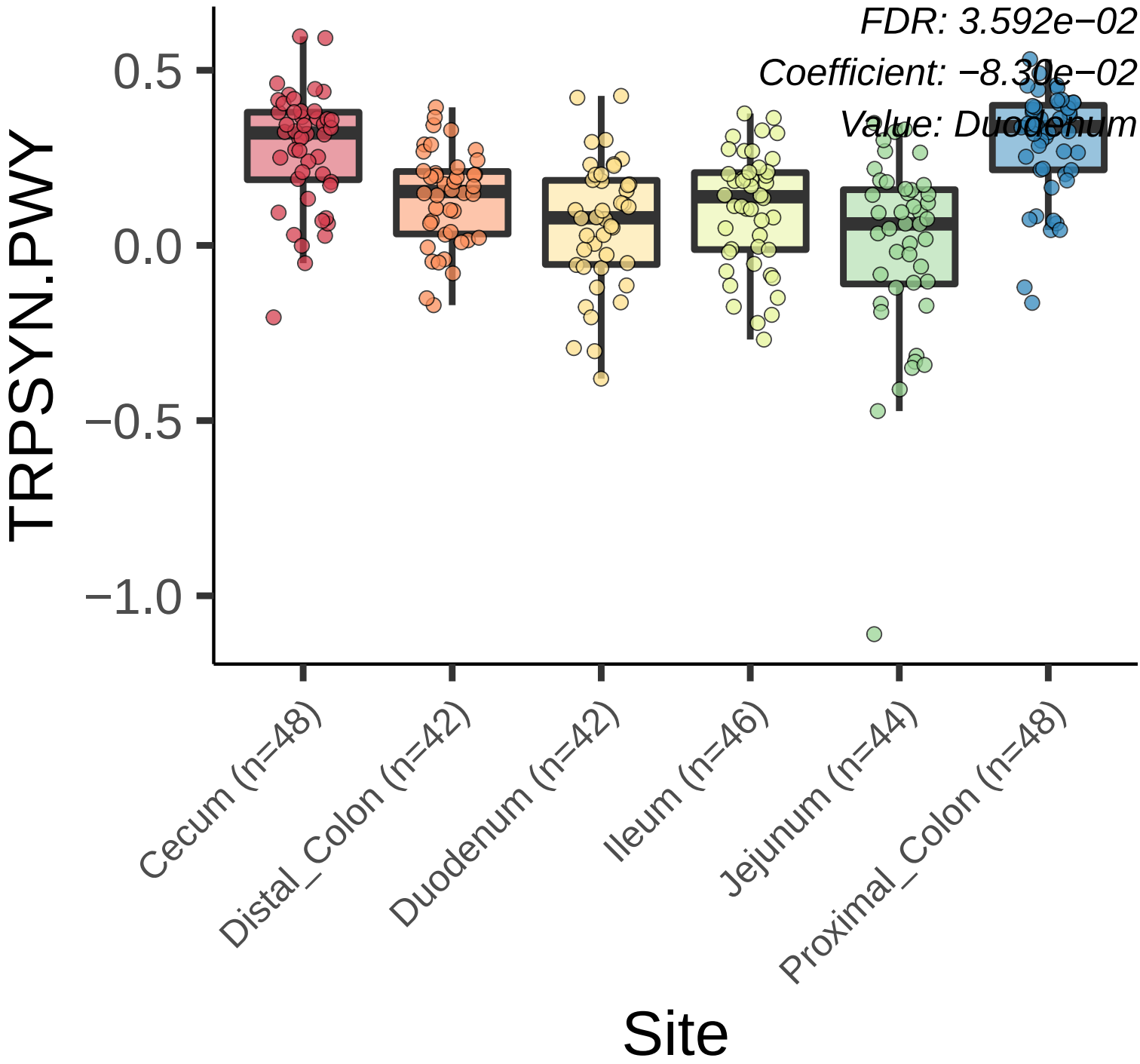

FDR: 3.366e−02
Coefficient: 4.05e−02
Value: Ileum
X1CMET2.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

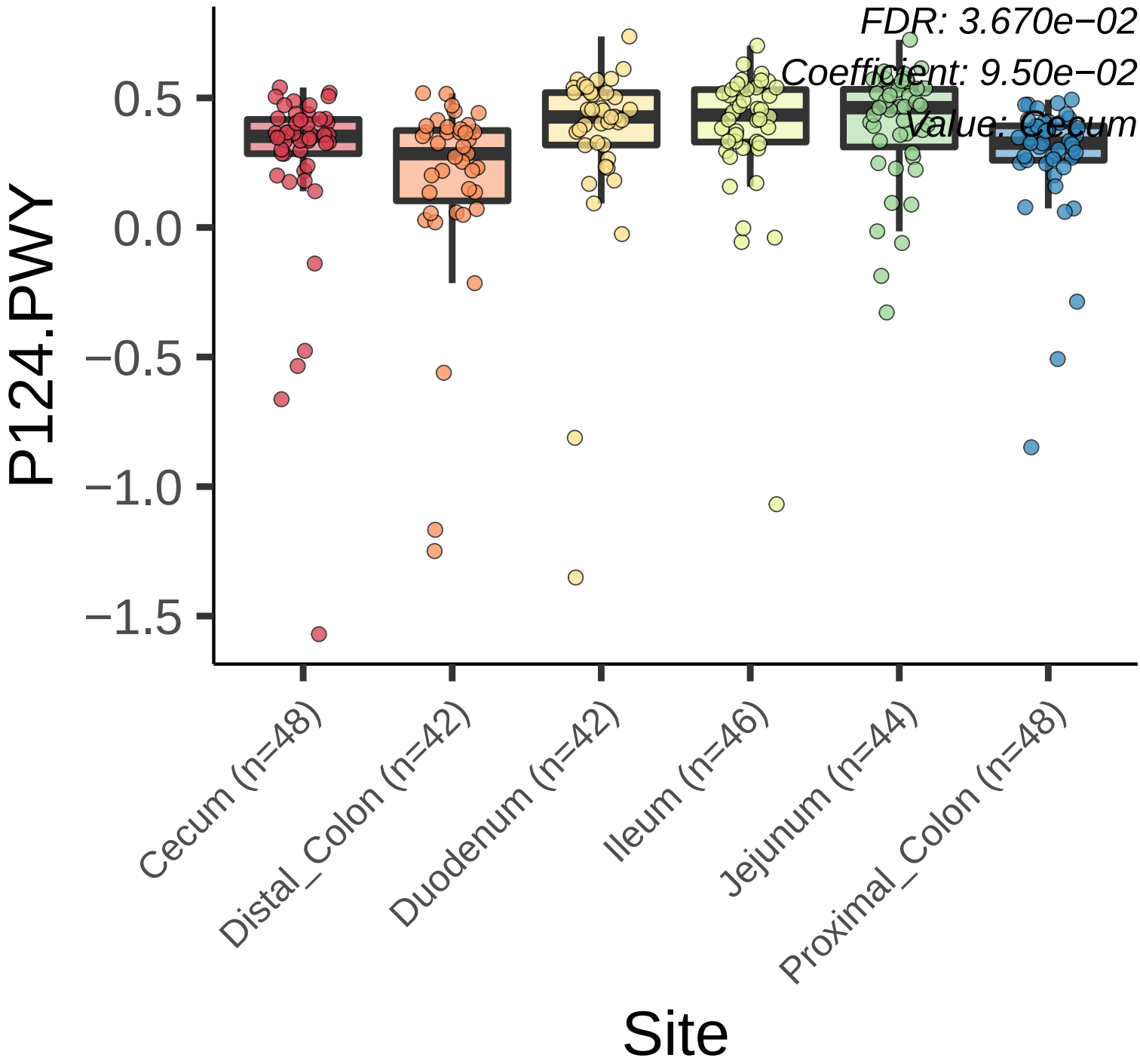

FDR: 3.425e−02
Coefficient: −4.32e−02
Value: Jejunum
PWY.7111
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

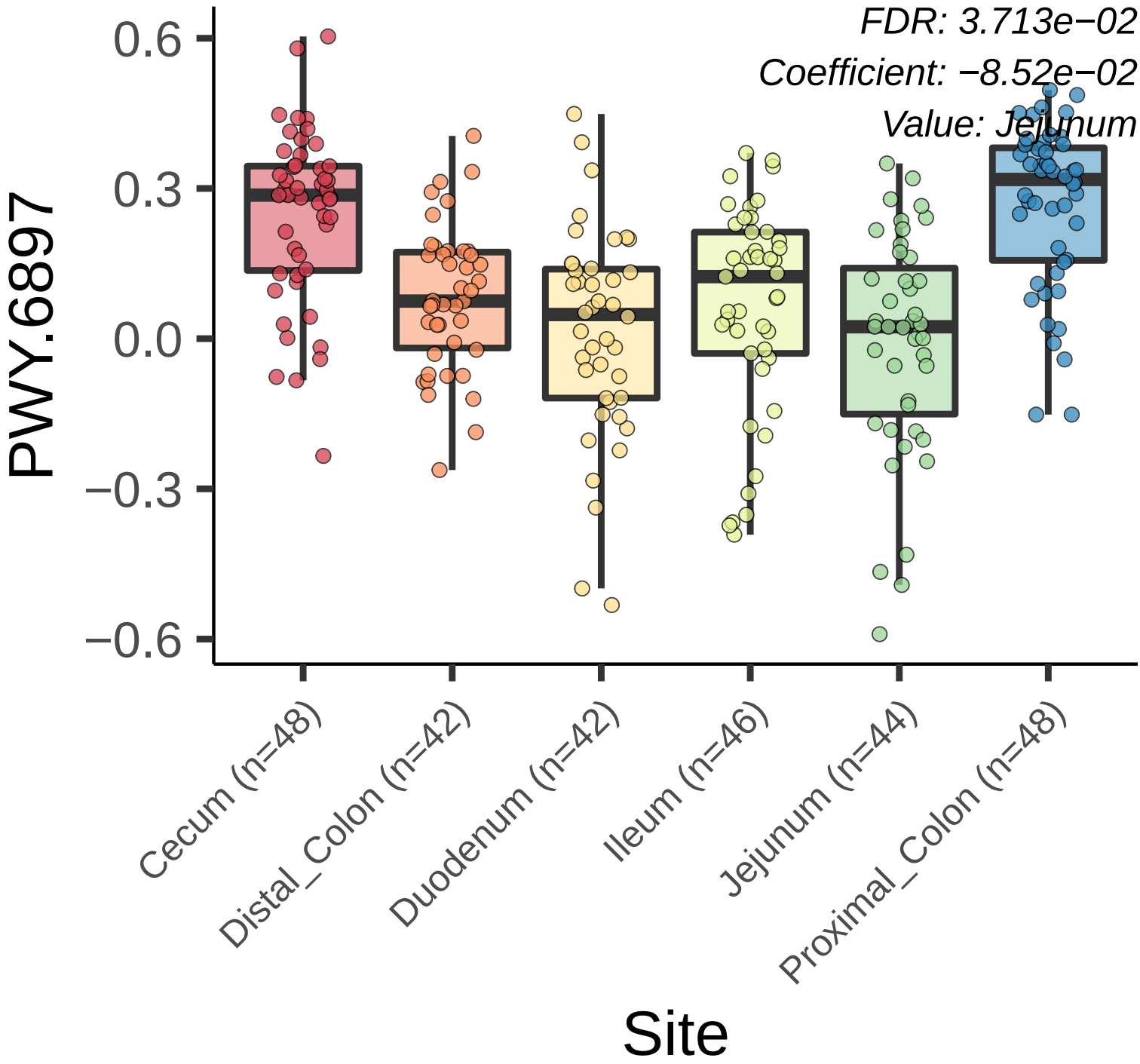

FDR: 3.430e−02
Coefficient: −3.58e−01
Value: Proximal_Colon
PWY.5705
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

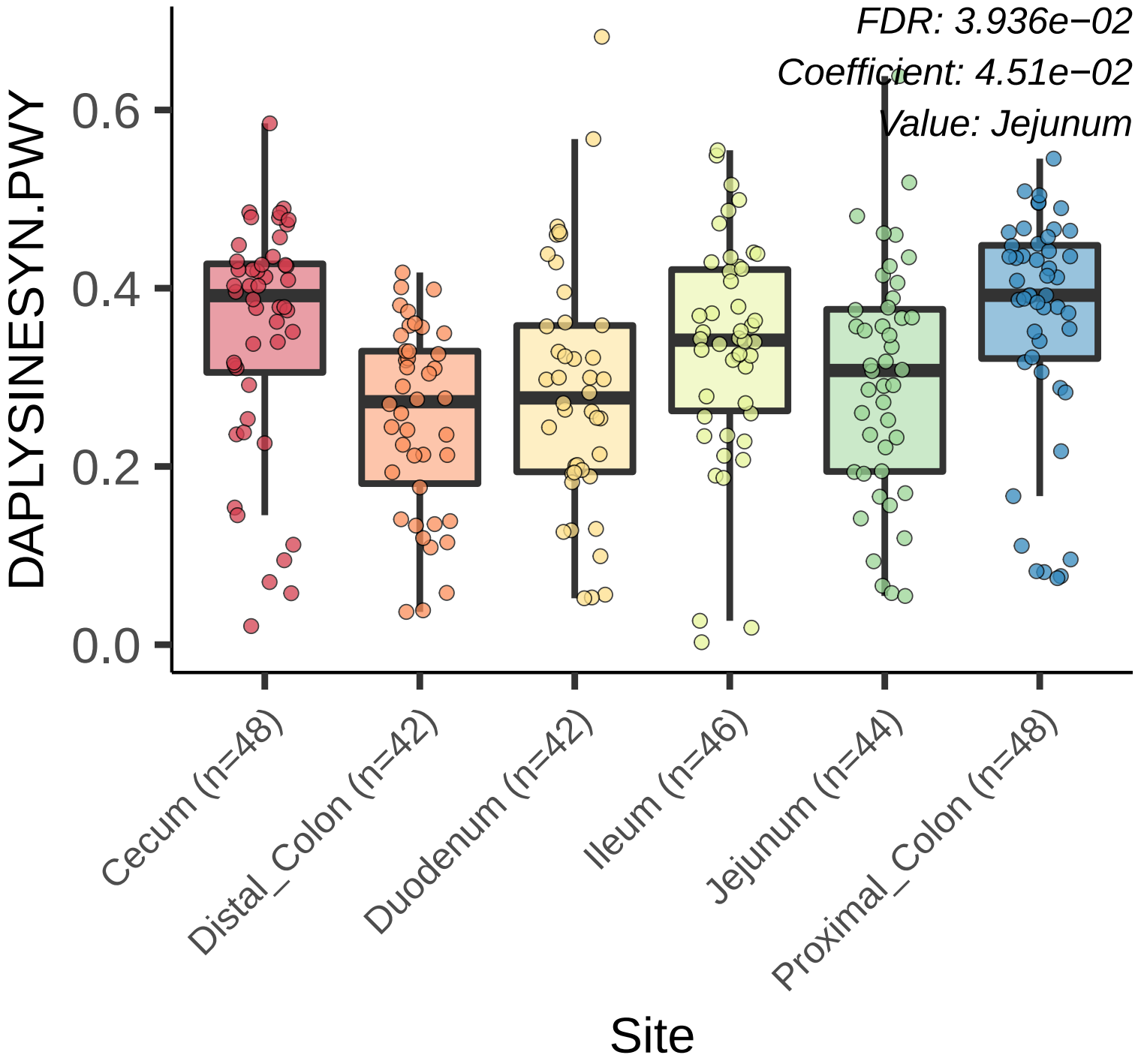

FDR: 3.571e−02
Coefficient: 1.14e−01
Value: Proximal_Colon
THISYN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

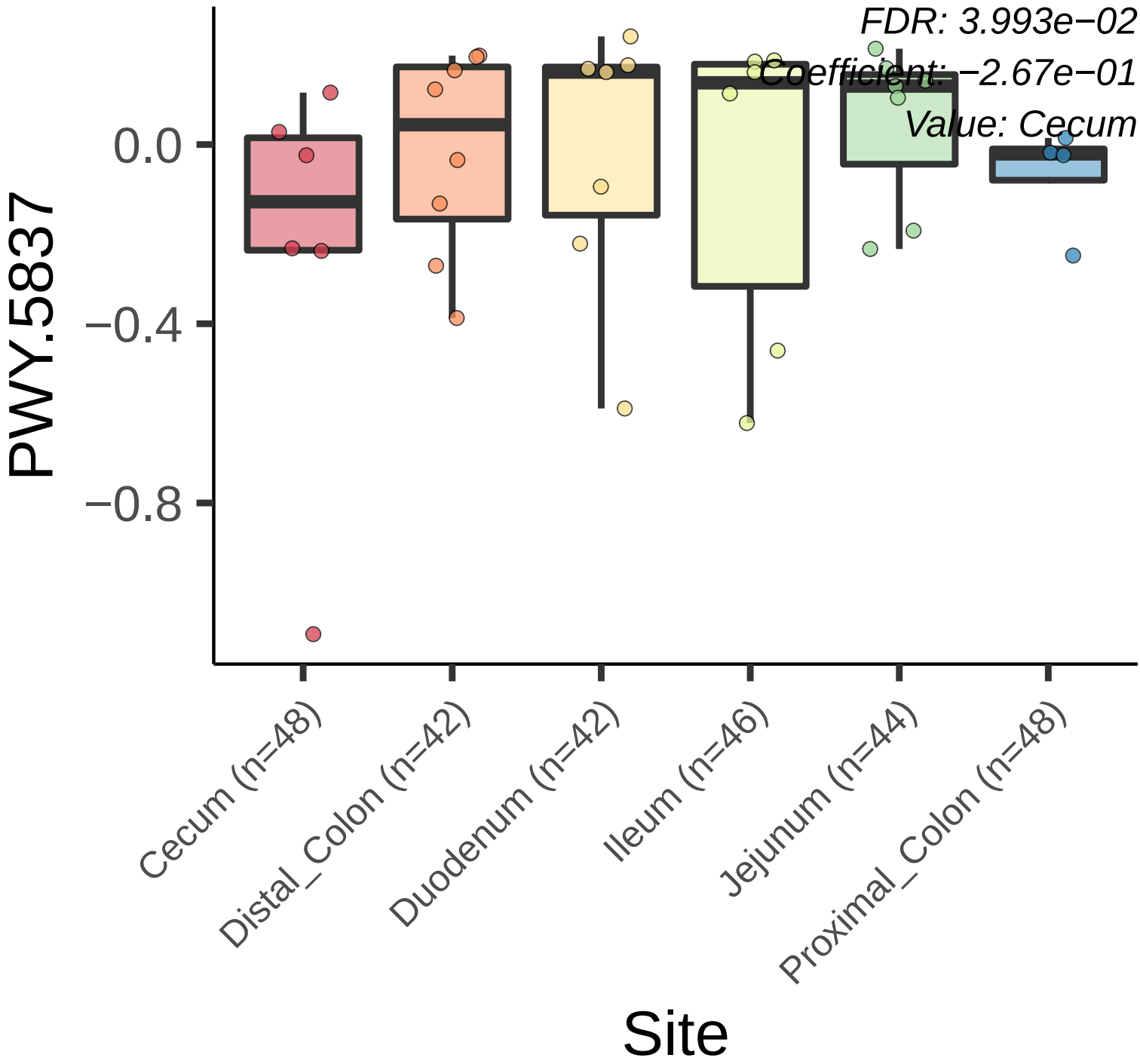

FDR: 3.592e−02
Coefficient: −2.45e−01
Value: Ileum
PWY.6901
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

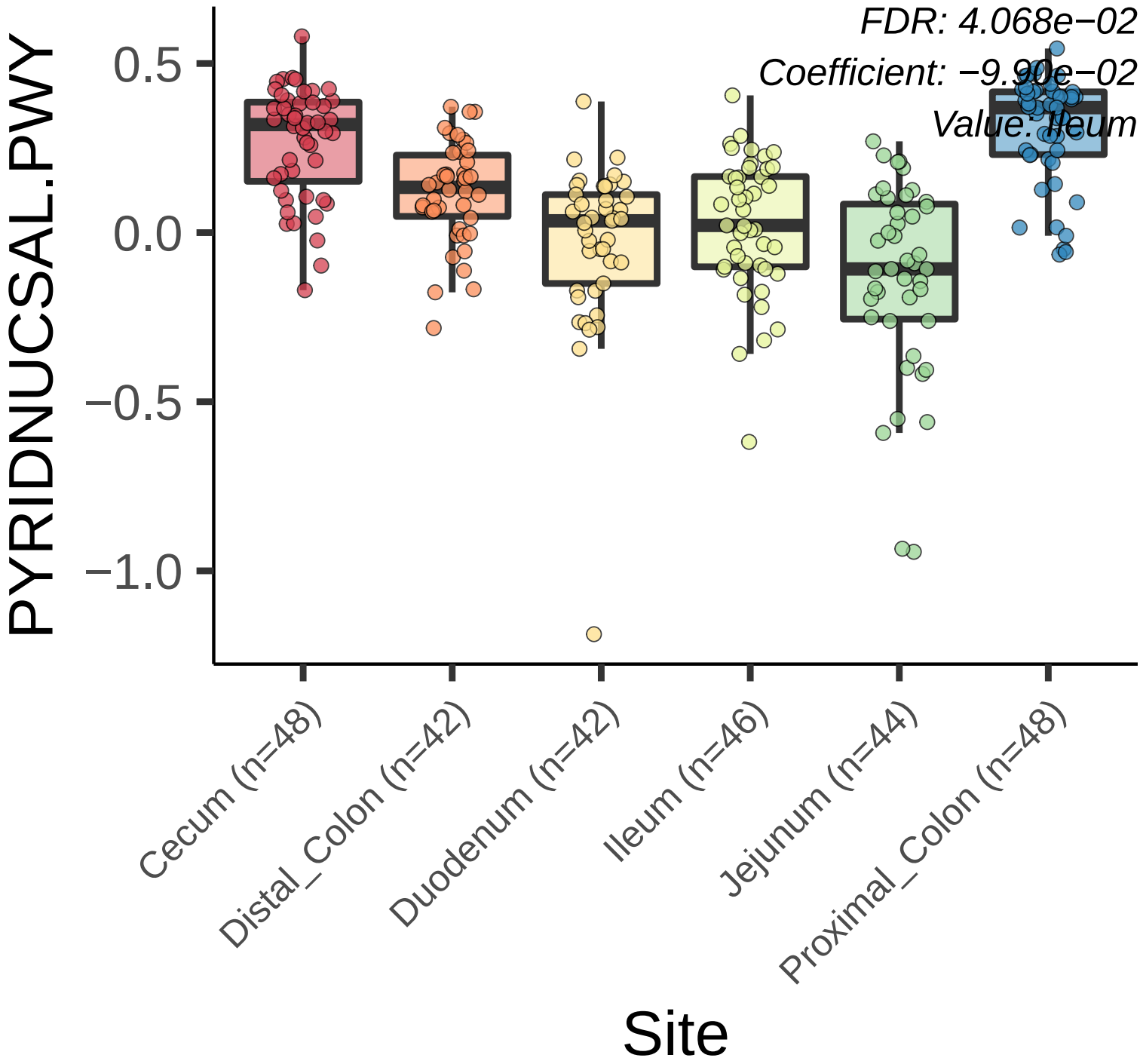

FDR: 3.592e−02
Coefficient: −8.30e−02
Value: Duodenum
TRPSYN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

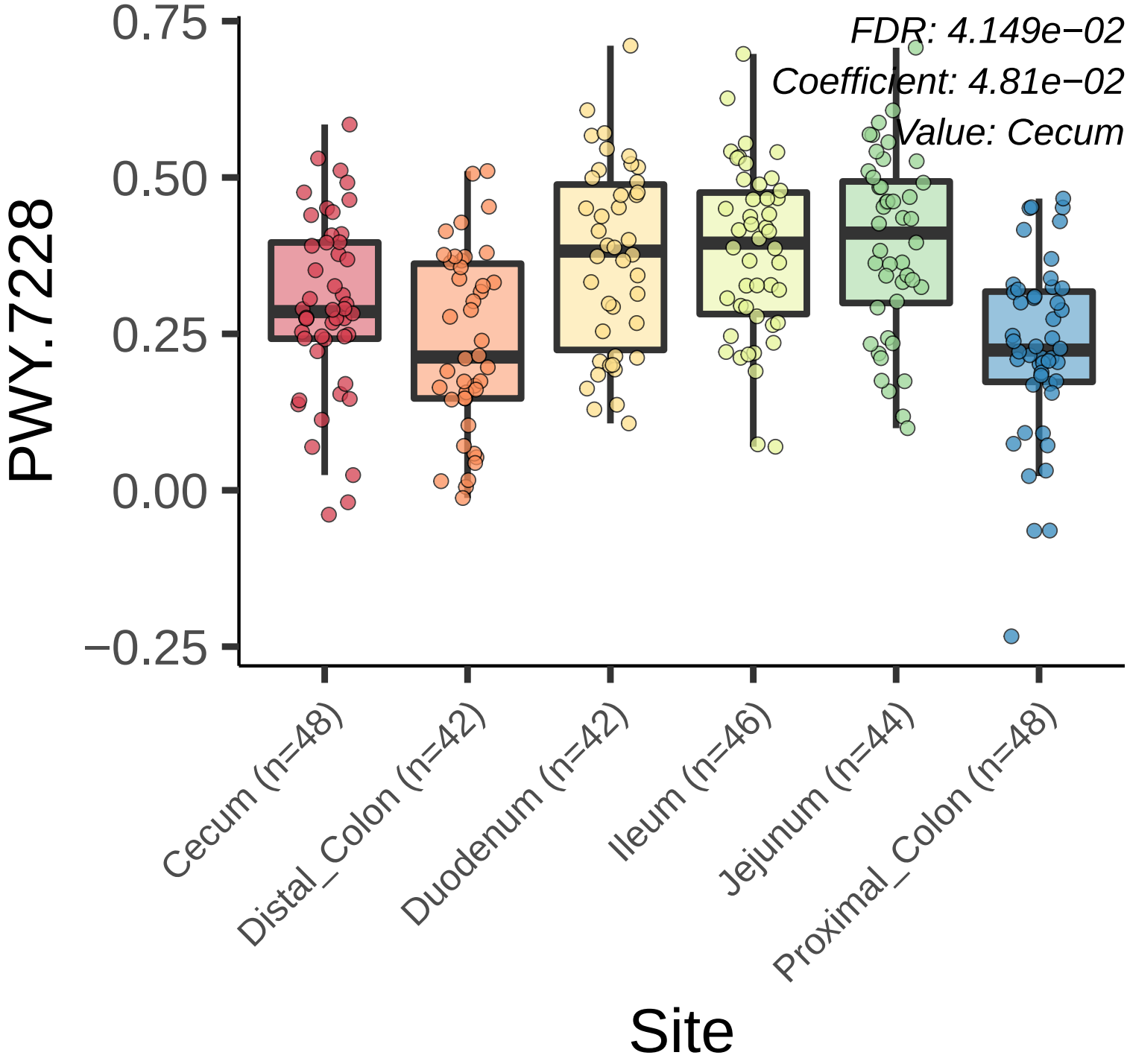

FDR: 3.670e−02
Coefficient: 9.50e−02
Value: Cecum
P124.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

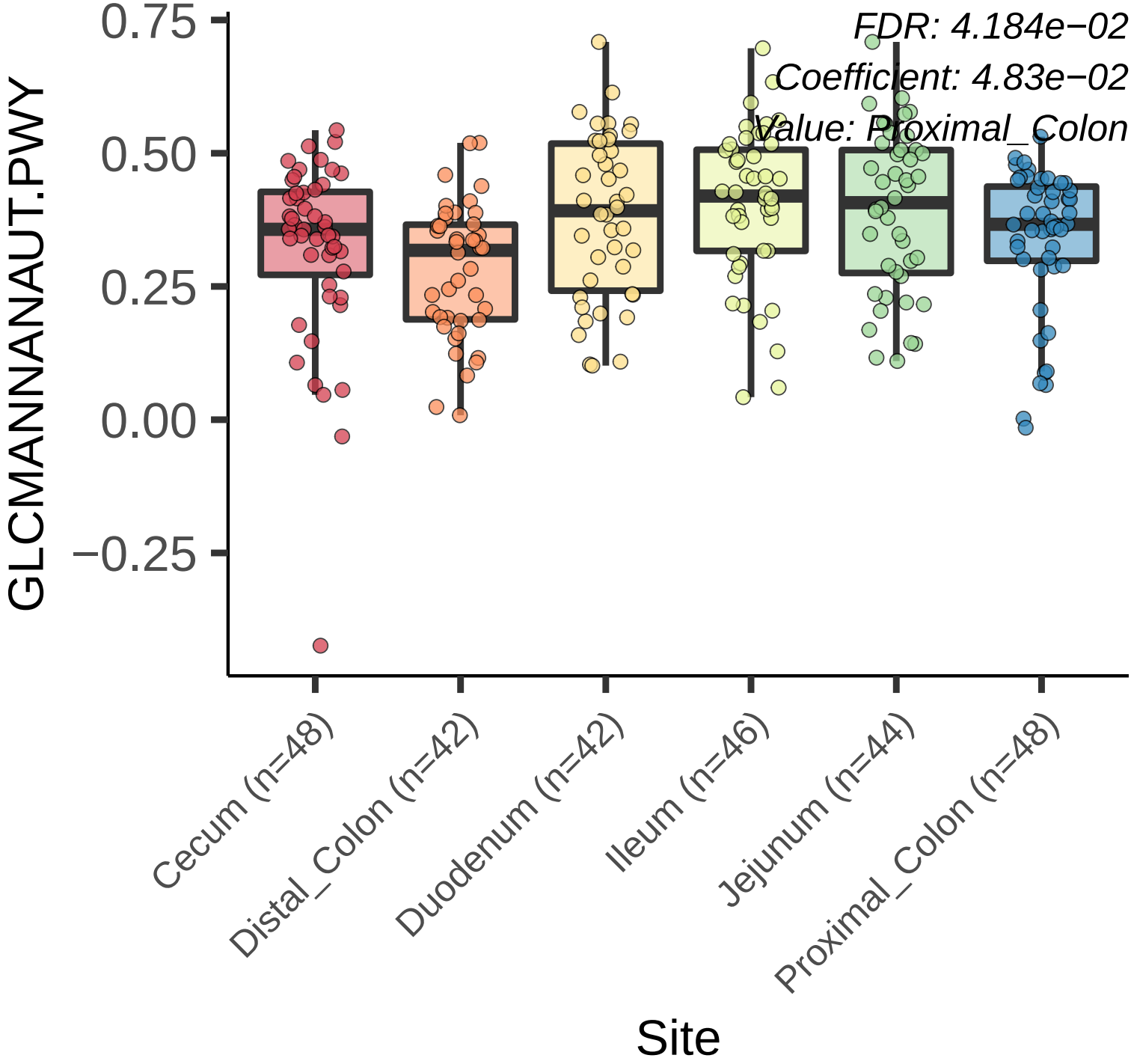

FDR: 3.713e−02
Coefficient: −8.52e−02
Value: Jejunum
PWY.6897
0.6
0.3
0.0
−0.3
−0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

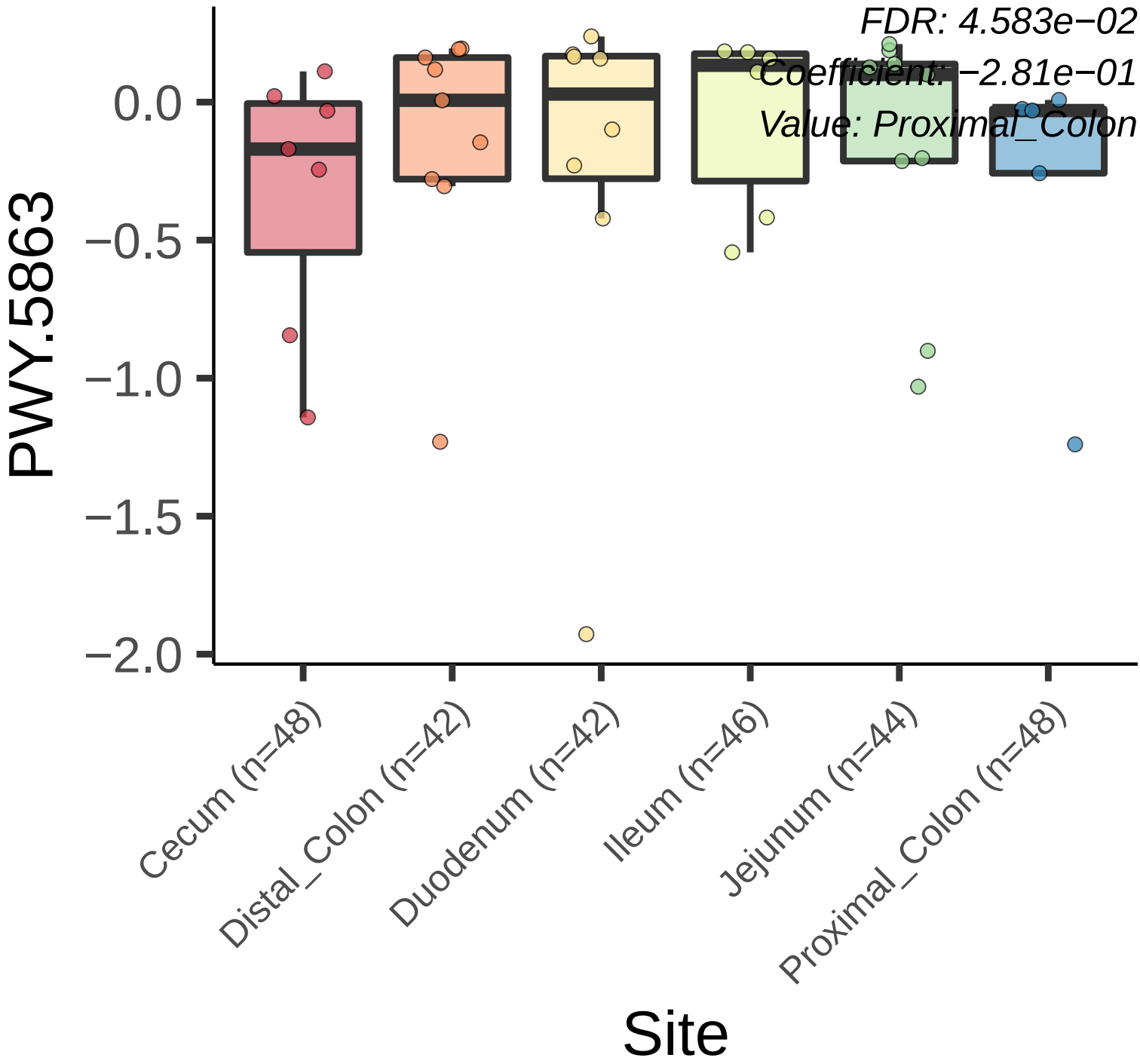

FDR: 3.936e−02
Coefficient: 4.51e−02
Value: Jejunum
DAPLYSINESYN.PWY
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

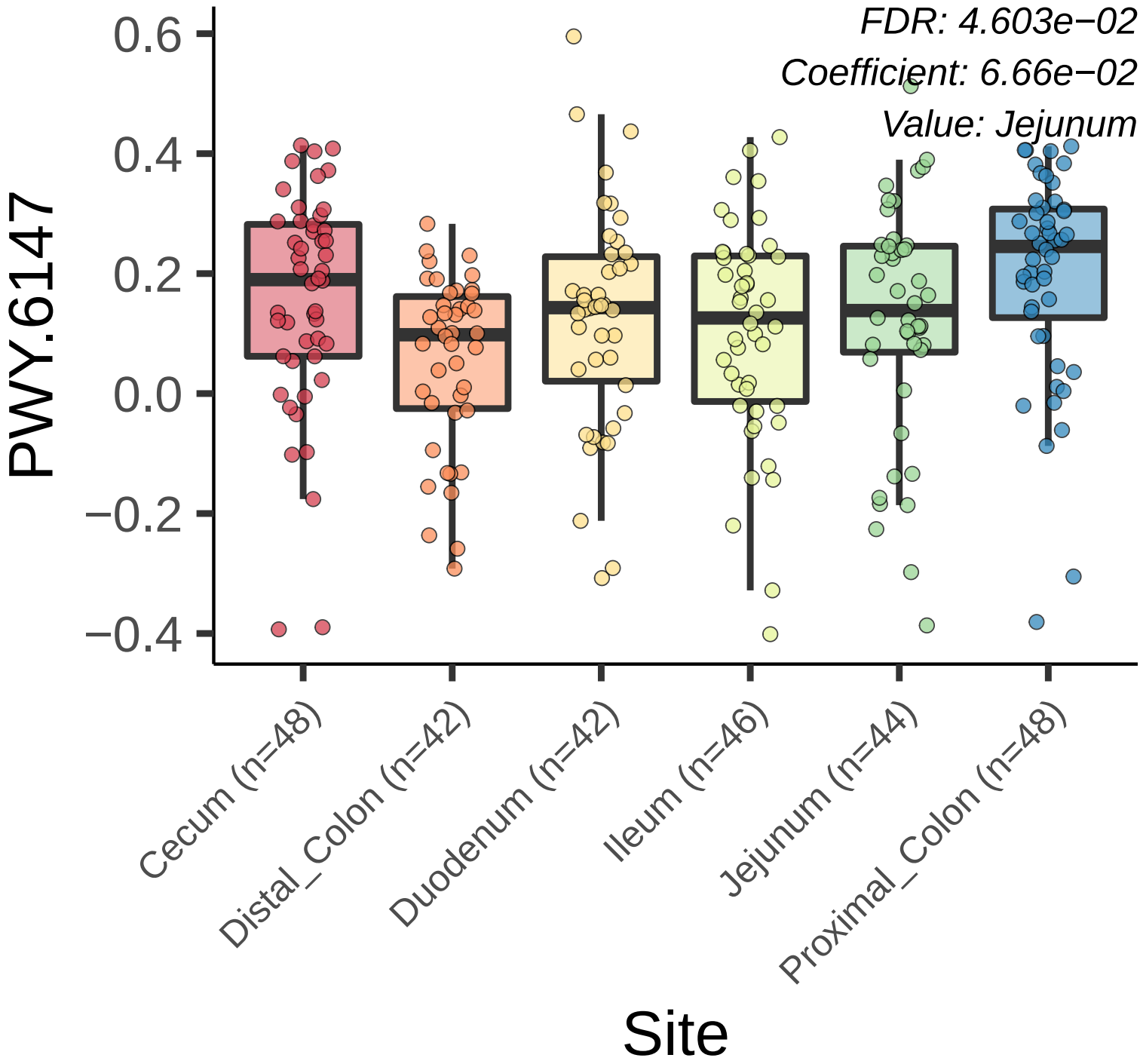

FDR: 3.993e−02
Coefficient: −2.67e−01
Value: Cecum
PWY.5837
0.0
−0.4
−0.8
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

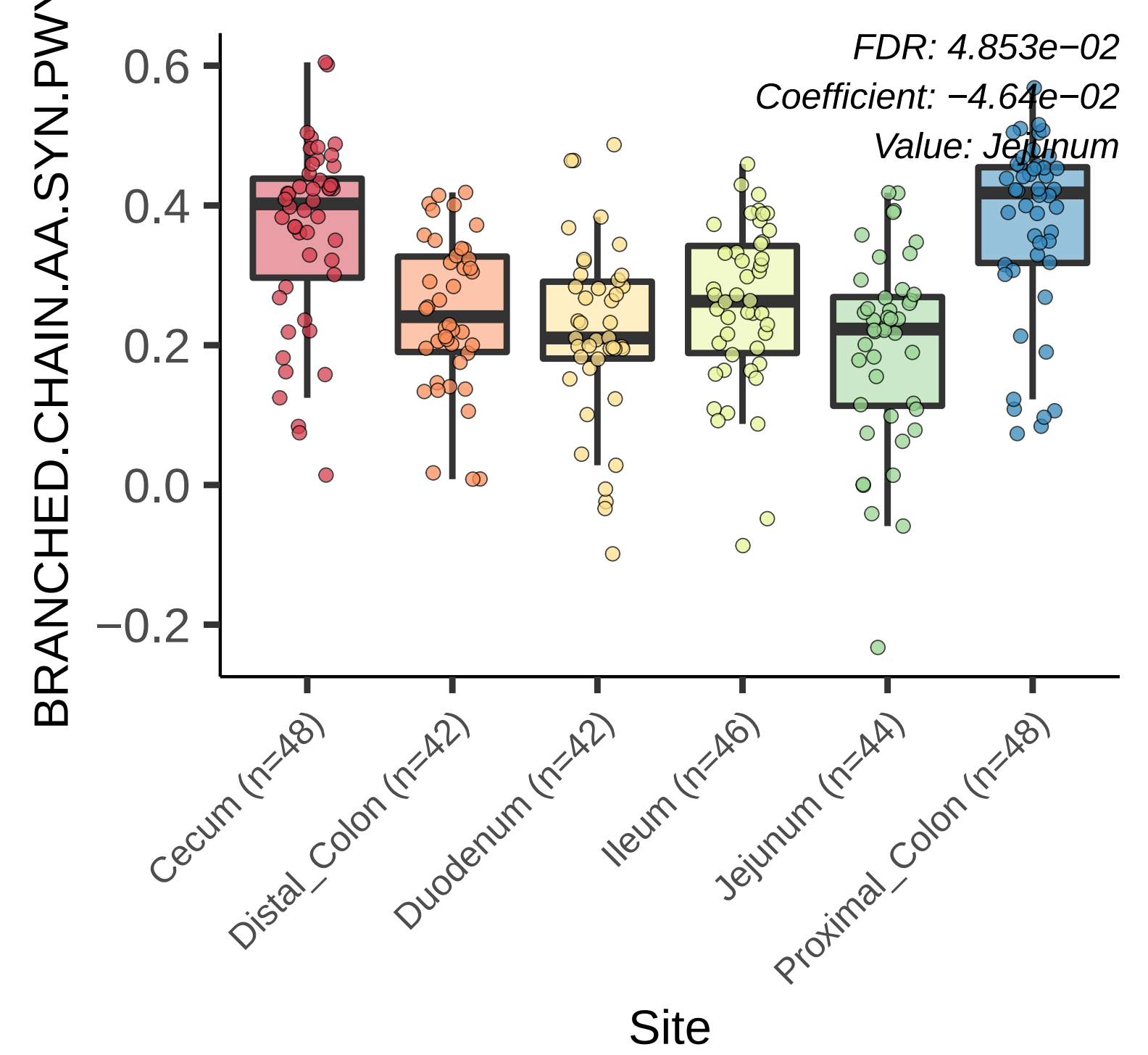

FDR: 4.068e−02
Coefficient: −9.90e−02
Value: Ileum
PYRIDNUCSAL.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

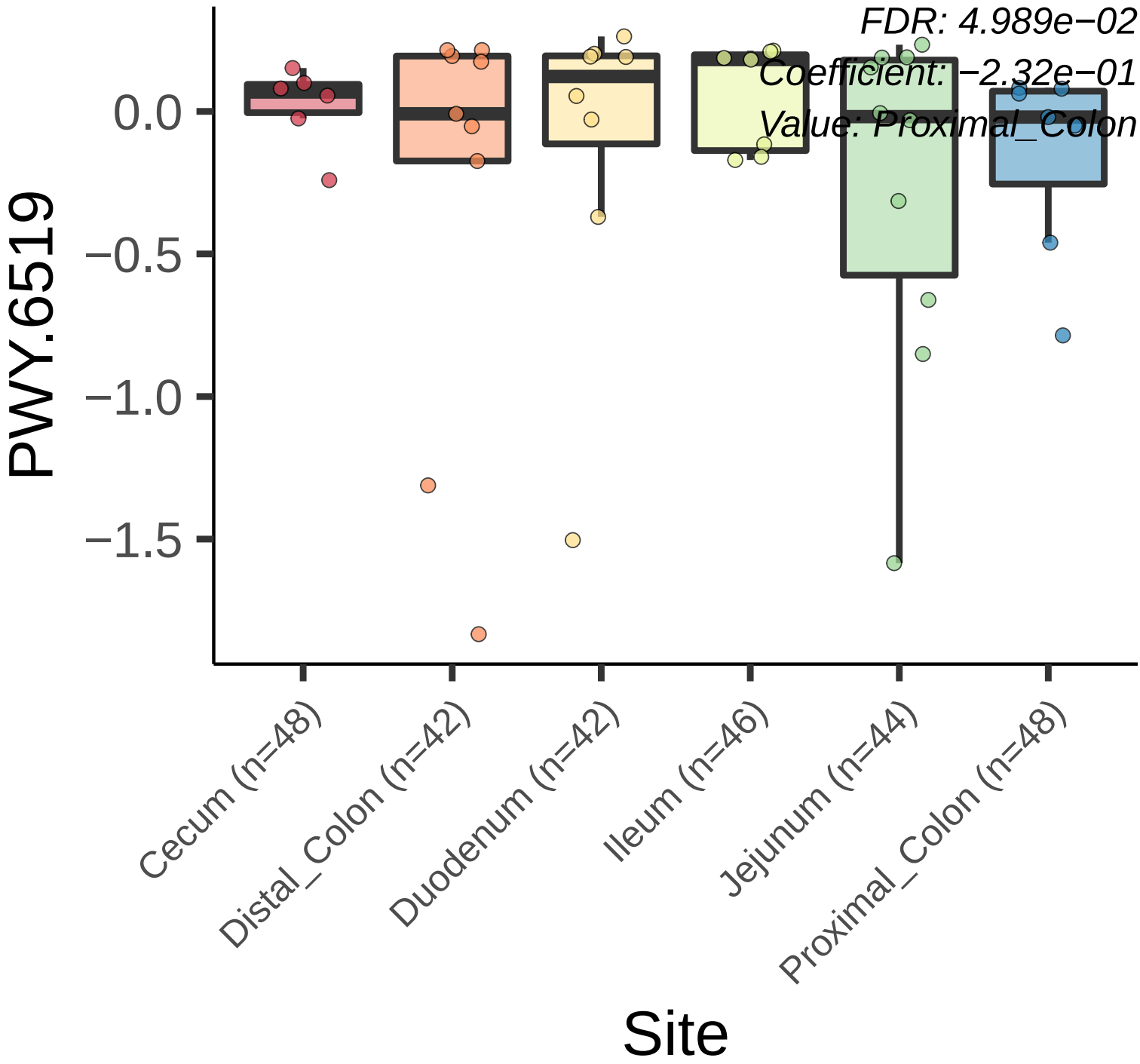

FDR: 4.149e−02
Coefficient: 4.81e−02
Value: Cecum
PWY.7228
0.75
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

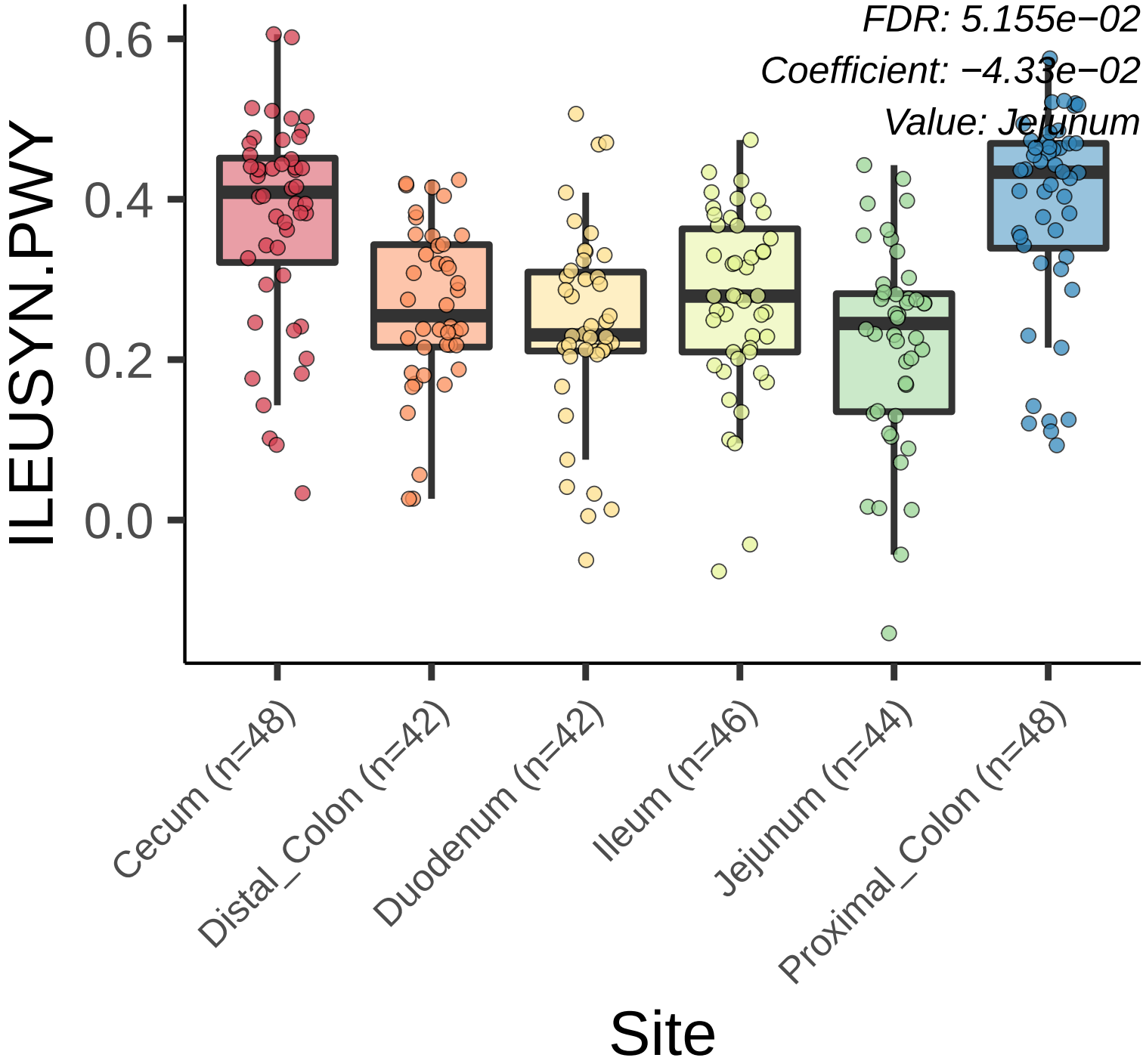

FDR: 4.184e−02
Coefficient: 4.83e−02
Value: Proximal_Colon
GLCMANNANAUT.PWY
0.75
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

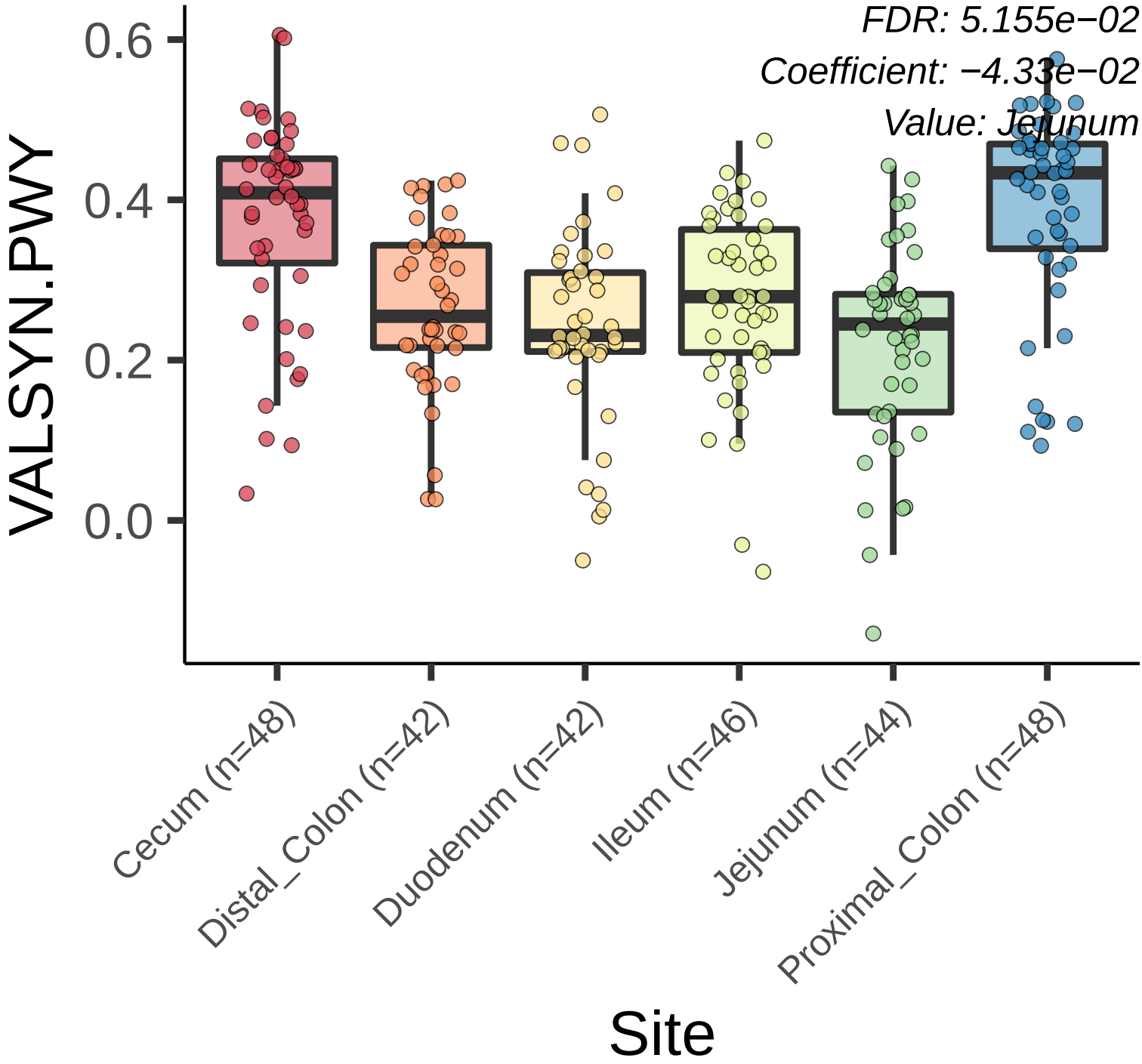

FDR: 4.583e−02
Coefficient: −2.81e−01
Value: Proximal_Colon
PWY.5863
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

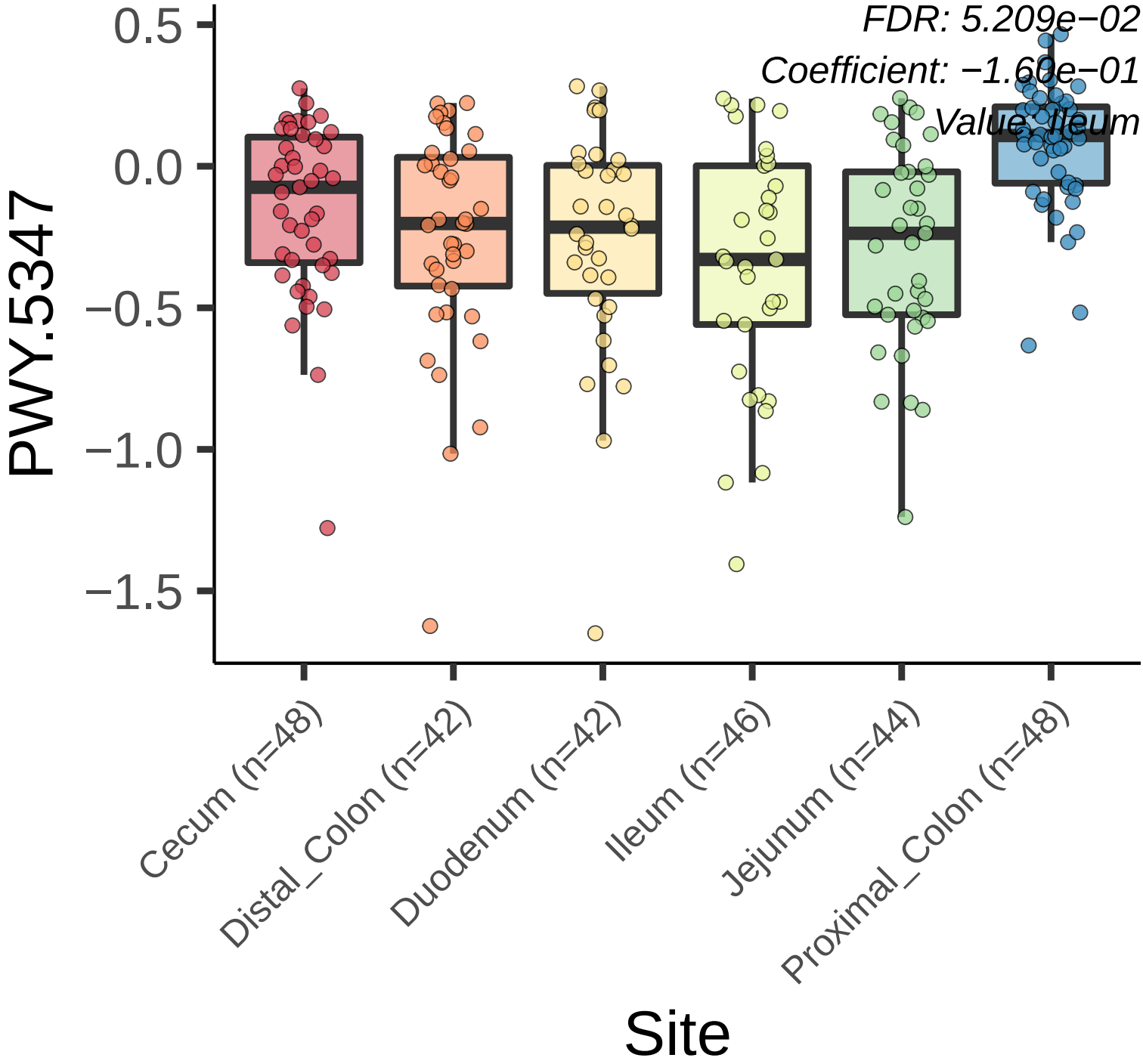

FDR: 4.603e−02
Coefficient: 6.66e−02
Value: Jejunum
PWY.6147
0.6
0.4
0.2
0.0
−0.2
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

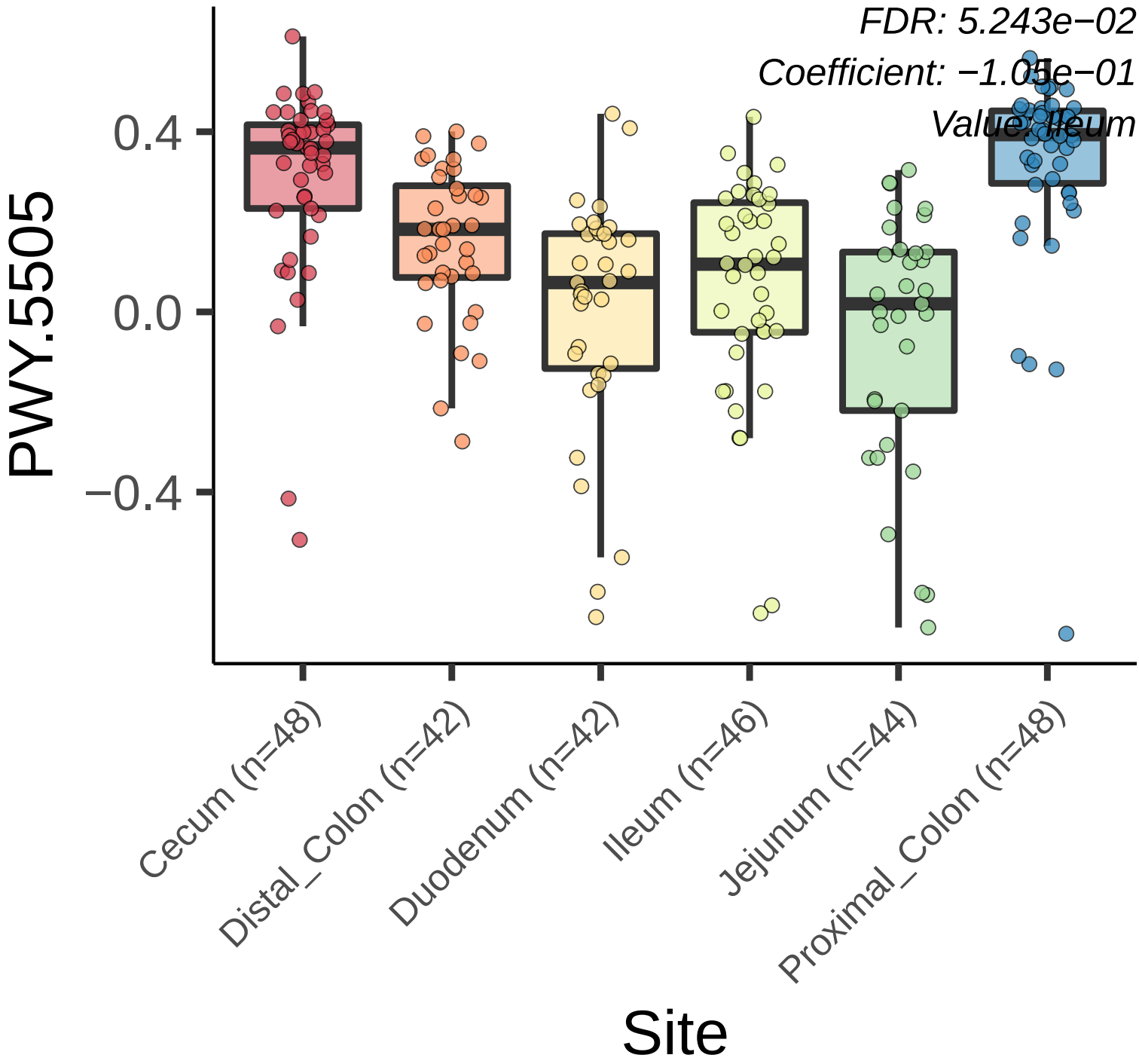

FDR: 4.853e−02
Coefficient: −4.64e−02
Value: Jejunum
BRANCHED.CHAIN.AA.SYN.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

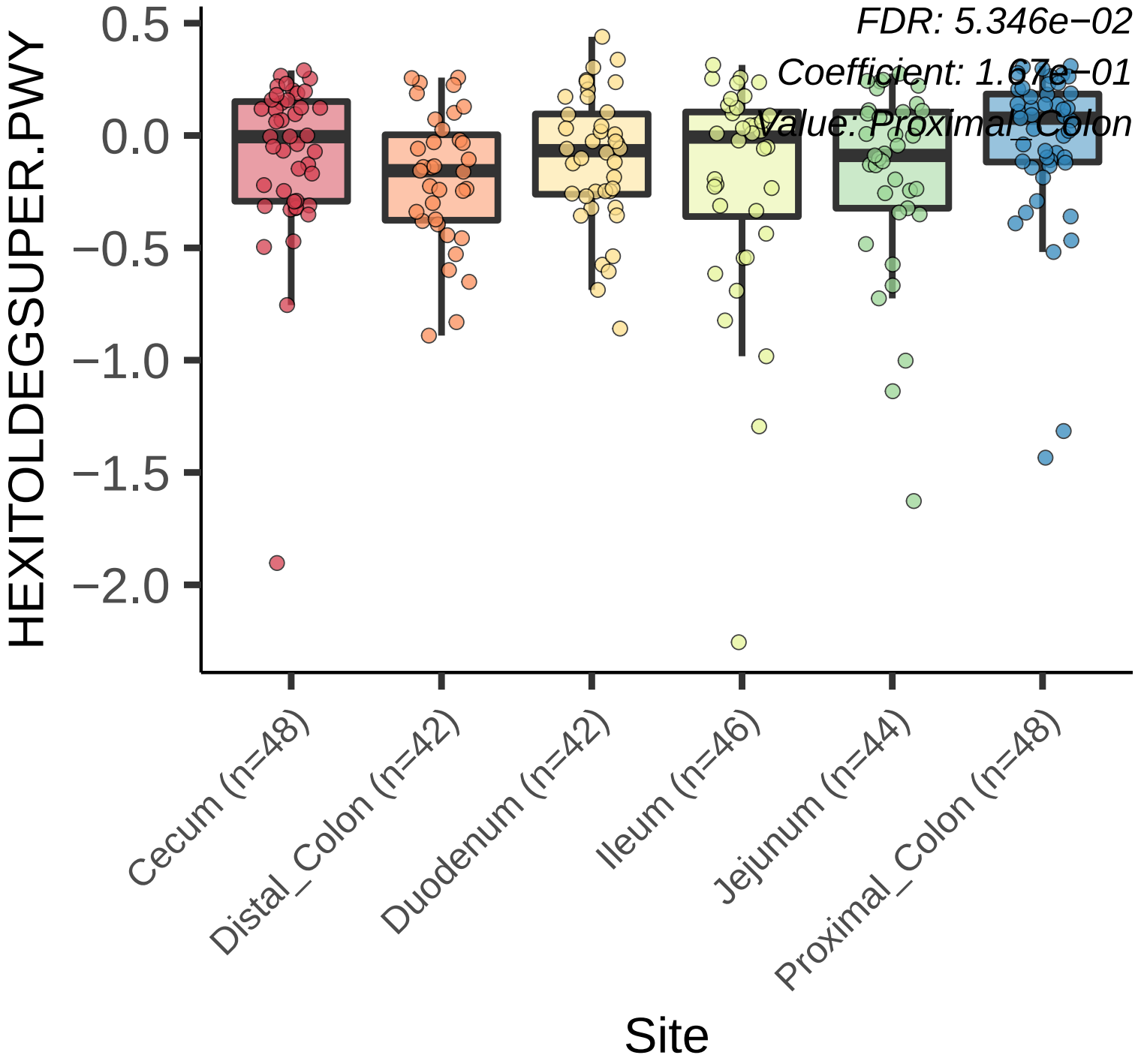

FDR: 4.989e−02
Coefficient: −2.32e−01
Value: Proximal_Colon
PWY.6519
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

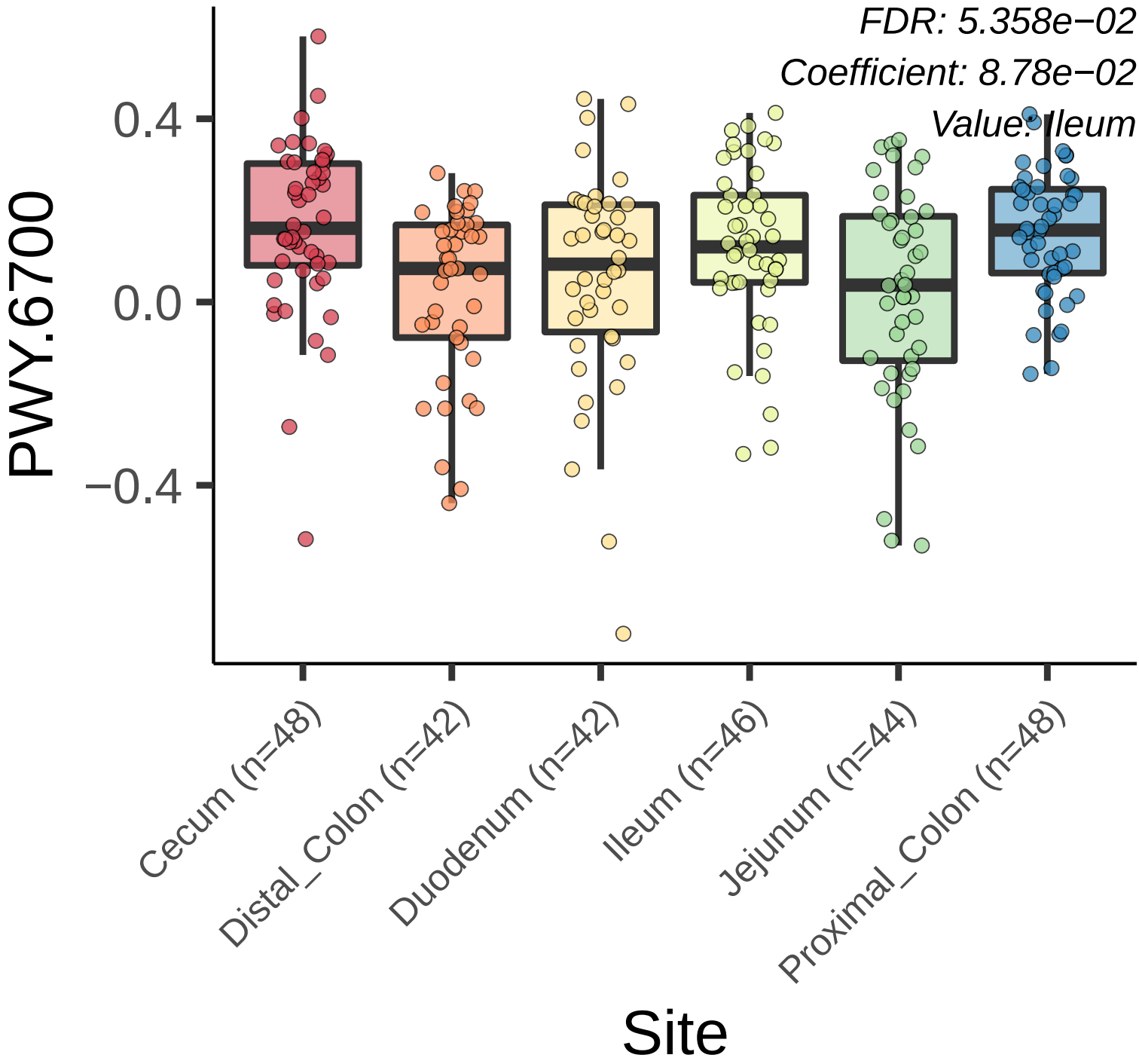

FDR: 5.155e−02
Coefficient: −4.33e−02
Value: Jejunum
ILEUSYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

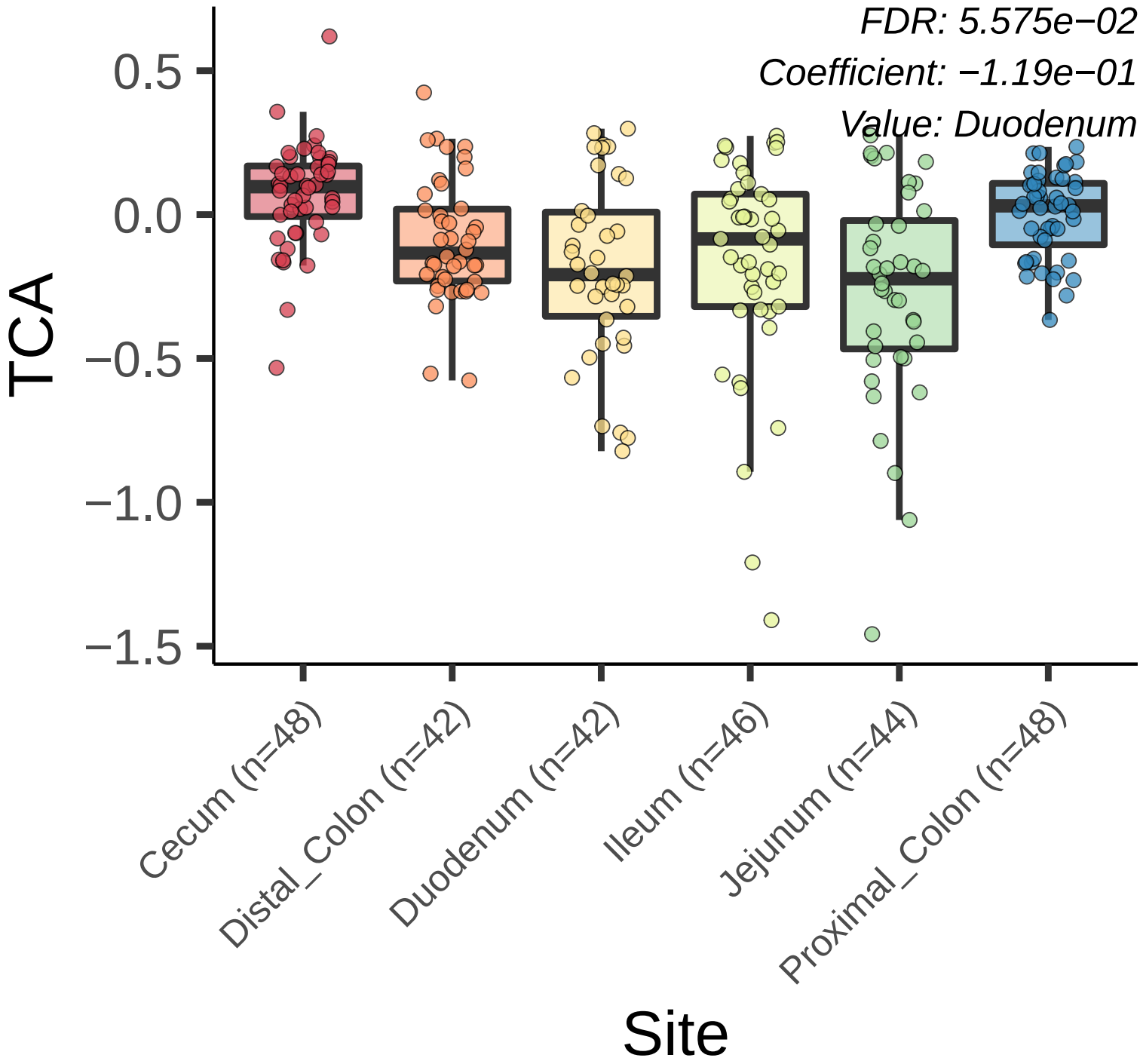

FDR: 5.155e−02
Coefficient: −4.33e−02
Value: Jejunum
VALSYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

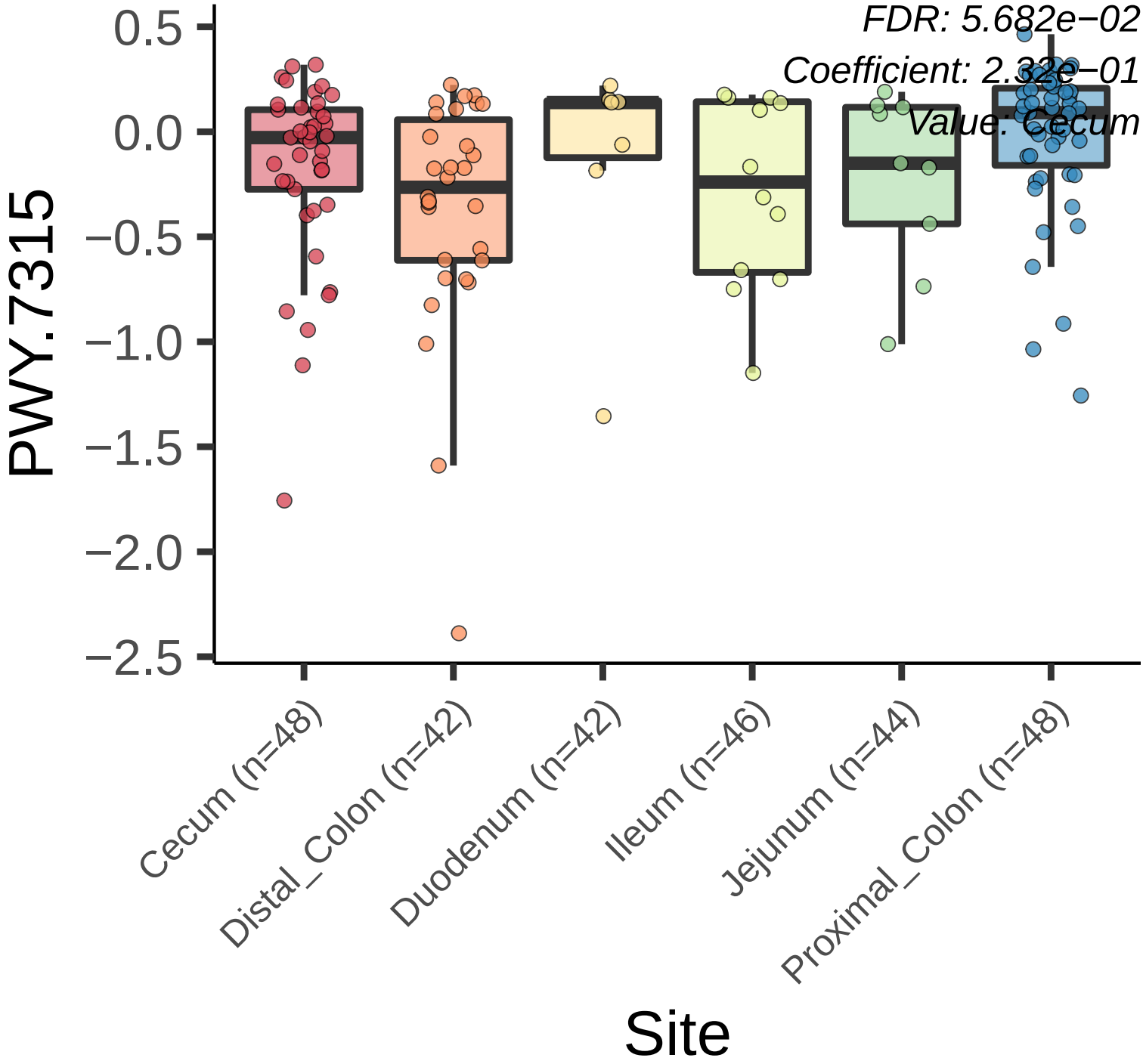

FDR: 5.209e−02
Coefficient: −1.60e−01
Value: Ileum
PWY.5347
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

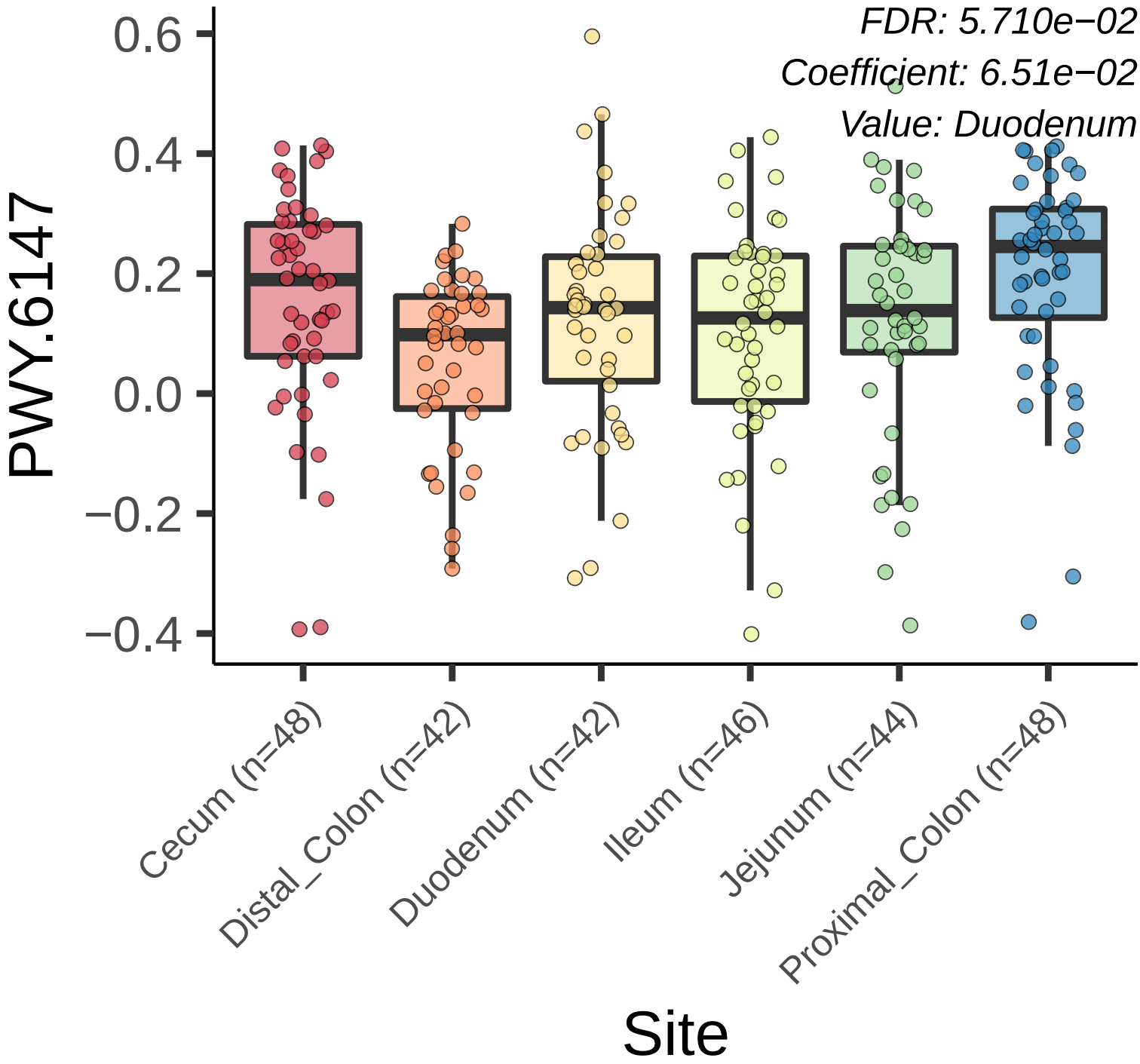

FDR: 5.243e−02
Coefficient: −1.05e−01
Value: Ileum
PWY.5505
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

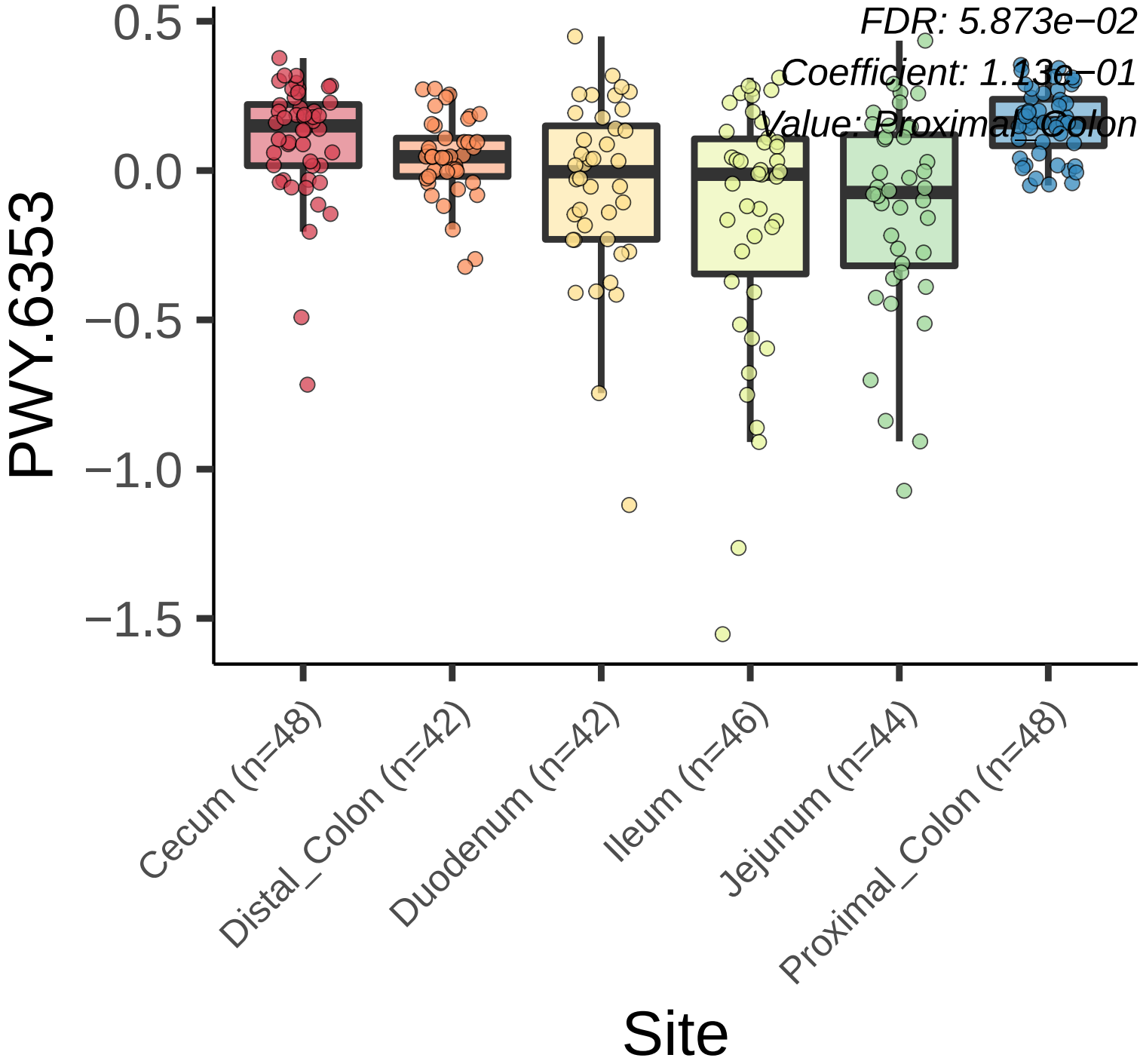

FDR: 5.346e−02
Coefficient: 1.67e−01
Value: Proximal_Colon
HEXITOLDEGSUPER.PWY
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

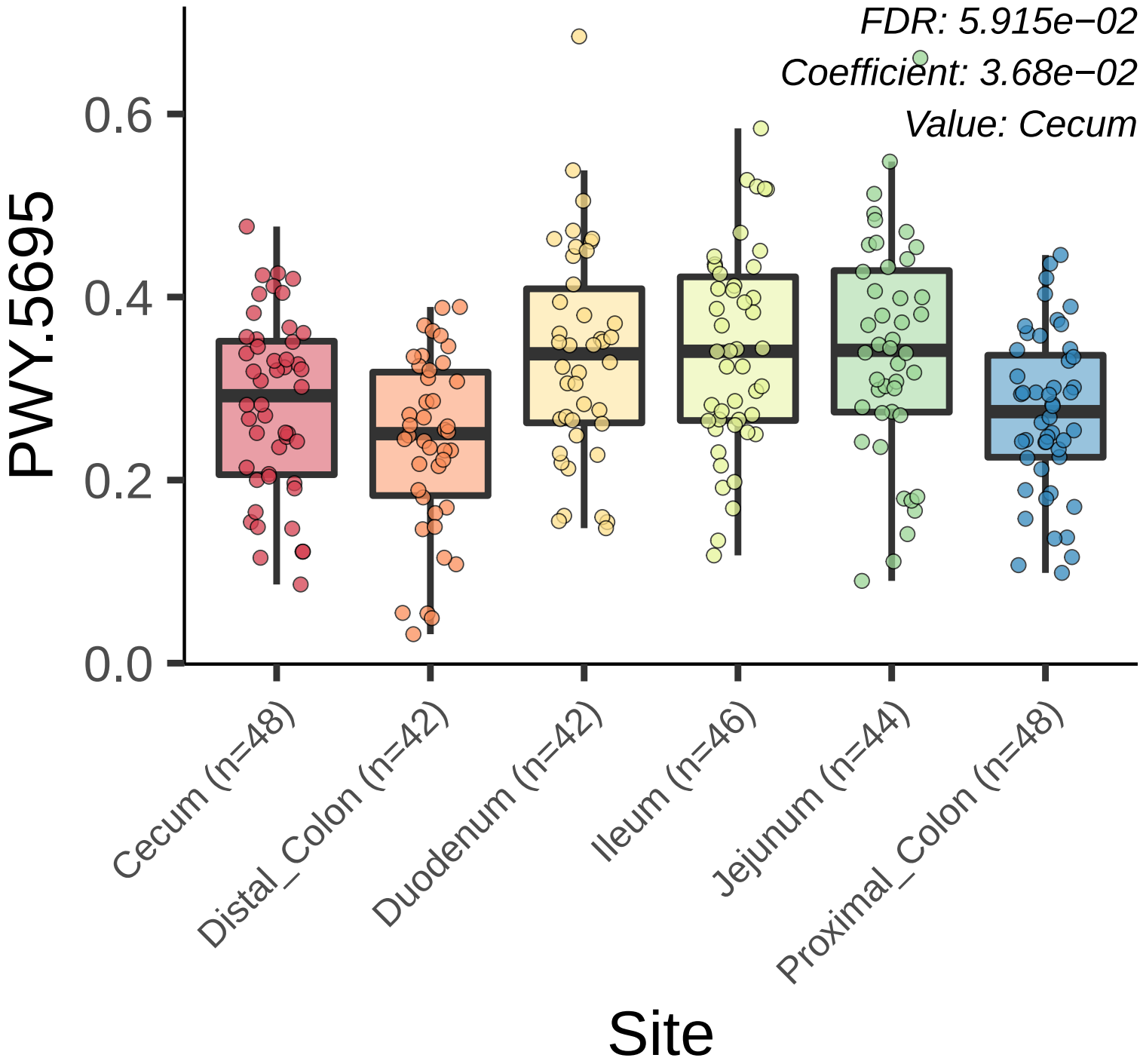

FDR: 5.358e−02
Coefficient: 8.78e−02
Value: Ileum
PWY.6700
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

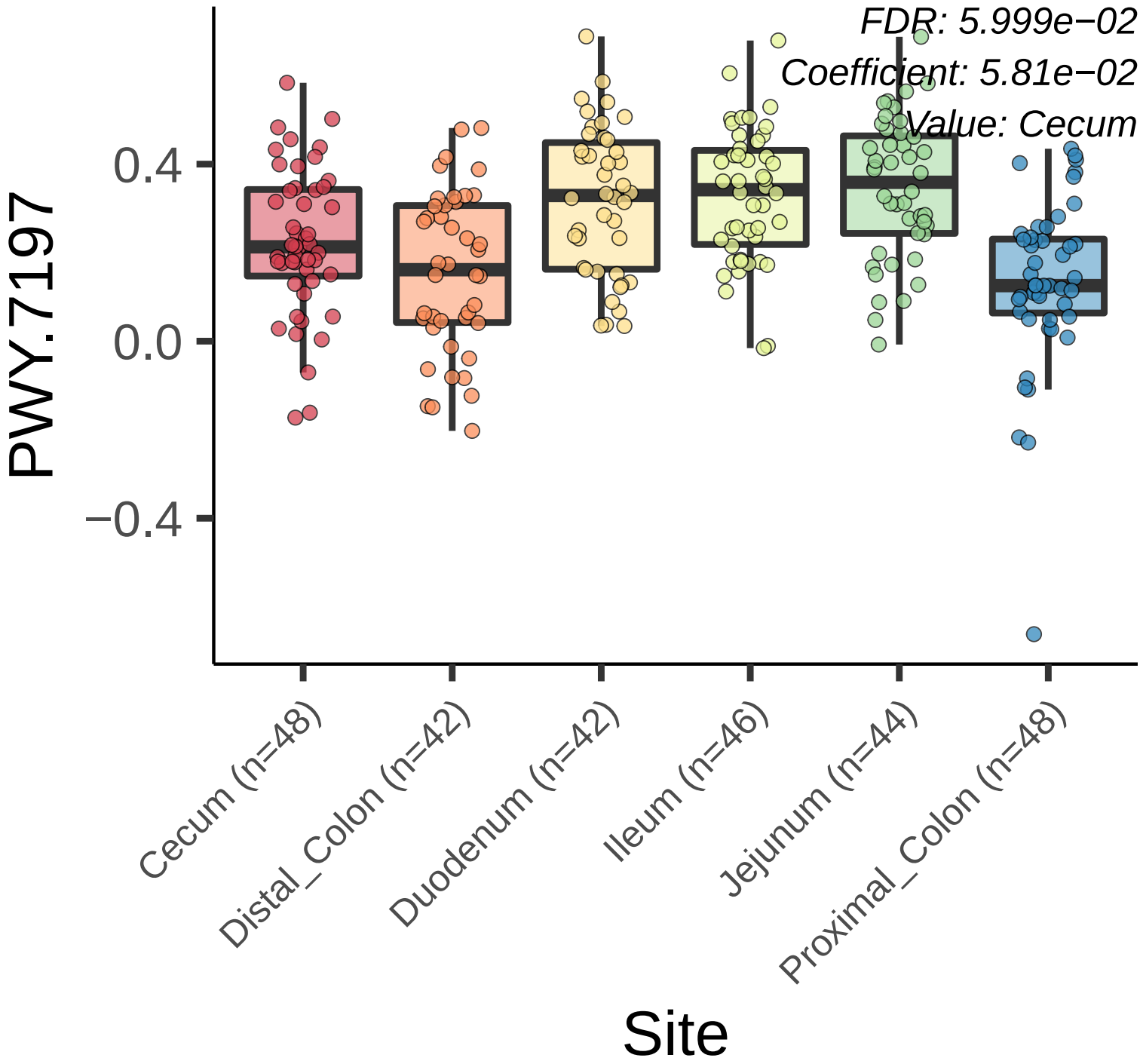

FDR: 5.575e−02
Coefficient: −1.19e−01
Value: Duodenum
TCA
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

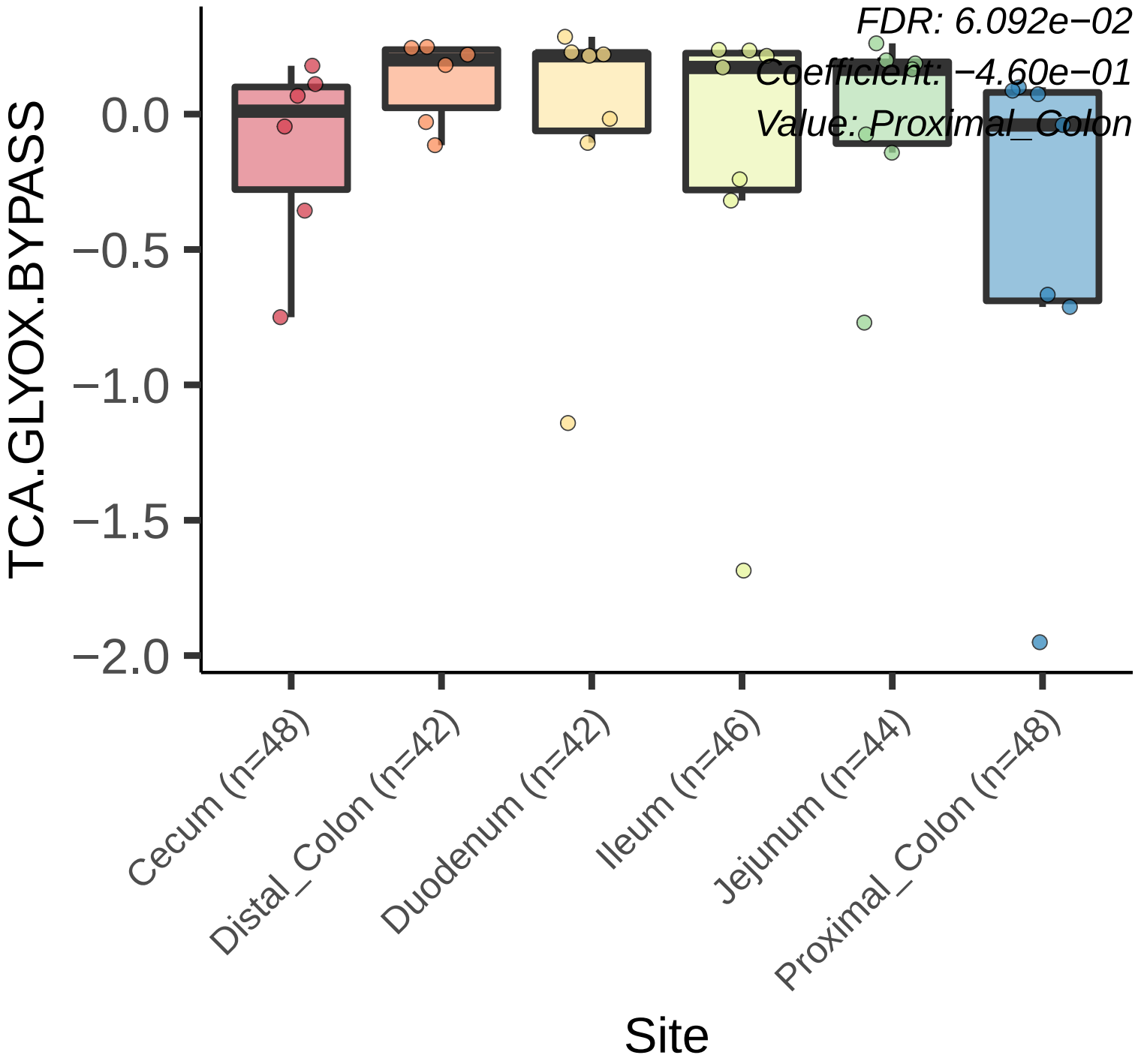

FDR: 5.682e−02
Coefficient: 2.32e−01
Value: Cecum
PWY.7315
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

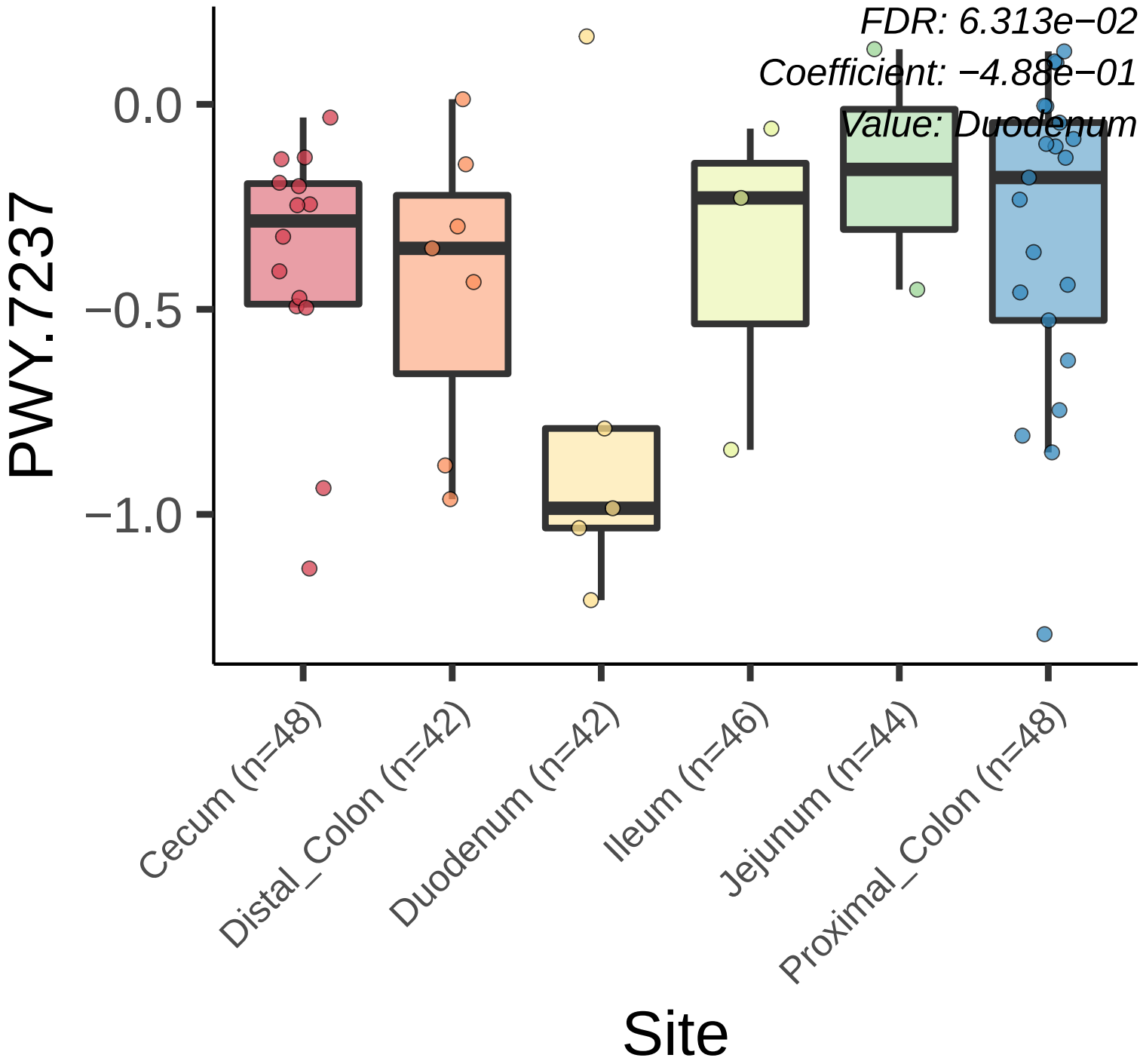

FDR: 5.710e−02
Coefficient: 6.51e−02
Value: Duodenum
PWY.6147
0.6
0.4
0.2
0.0
−0.2
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

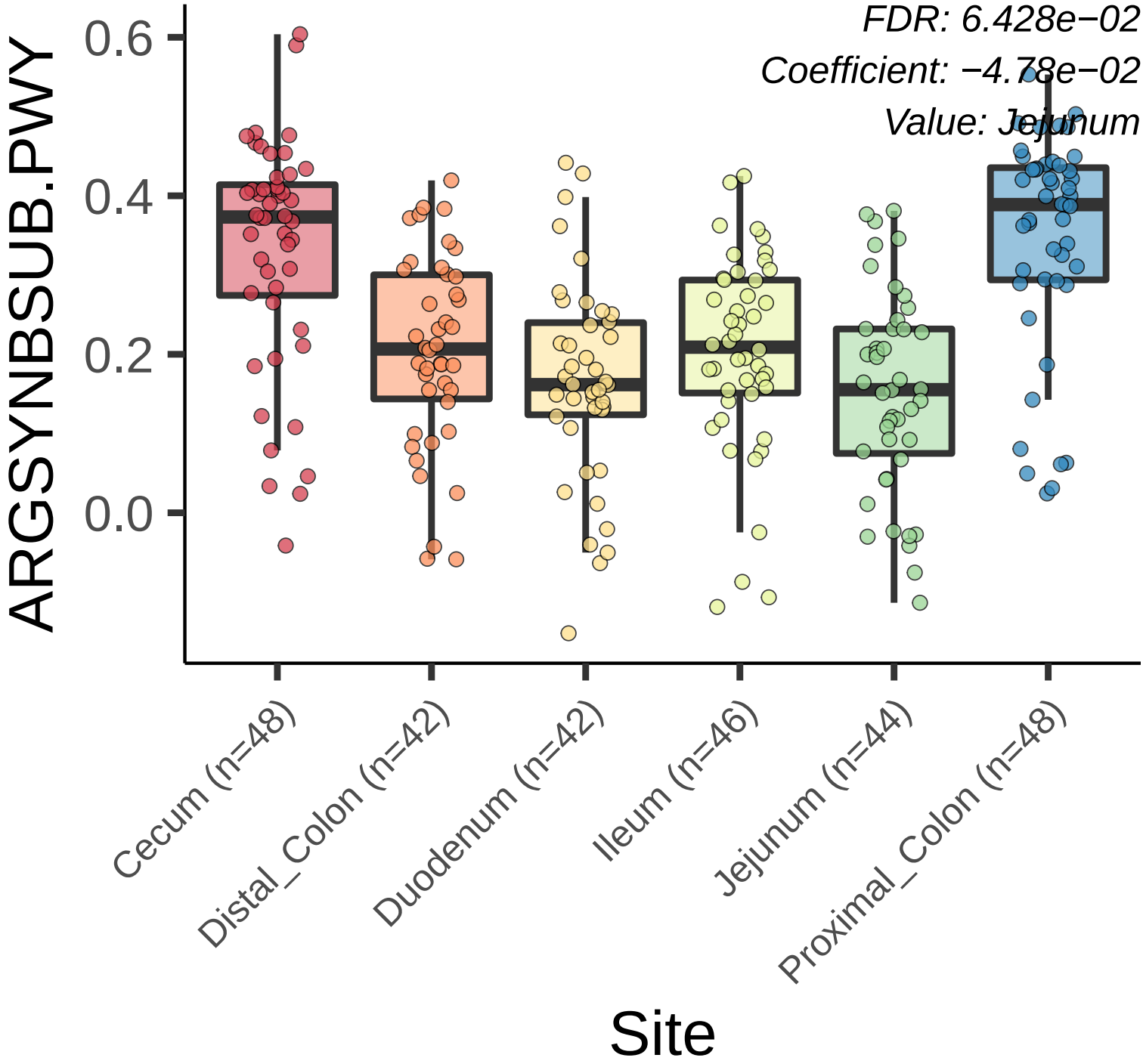

FDR: 5.873e−02
Coefficient: 1.13e−01
Value: Proximal_Colon
PWY.6353
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

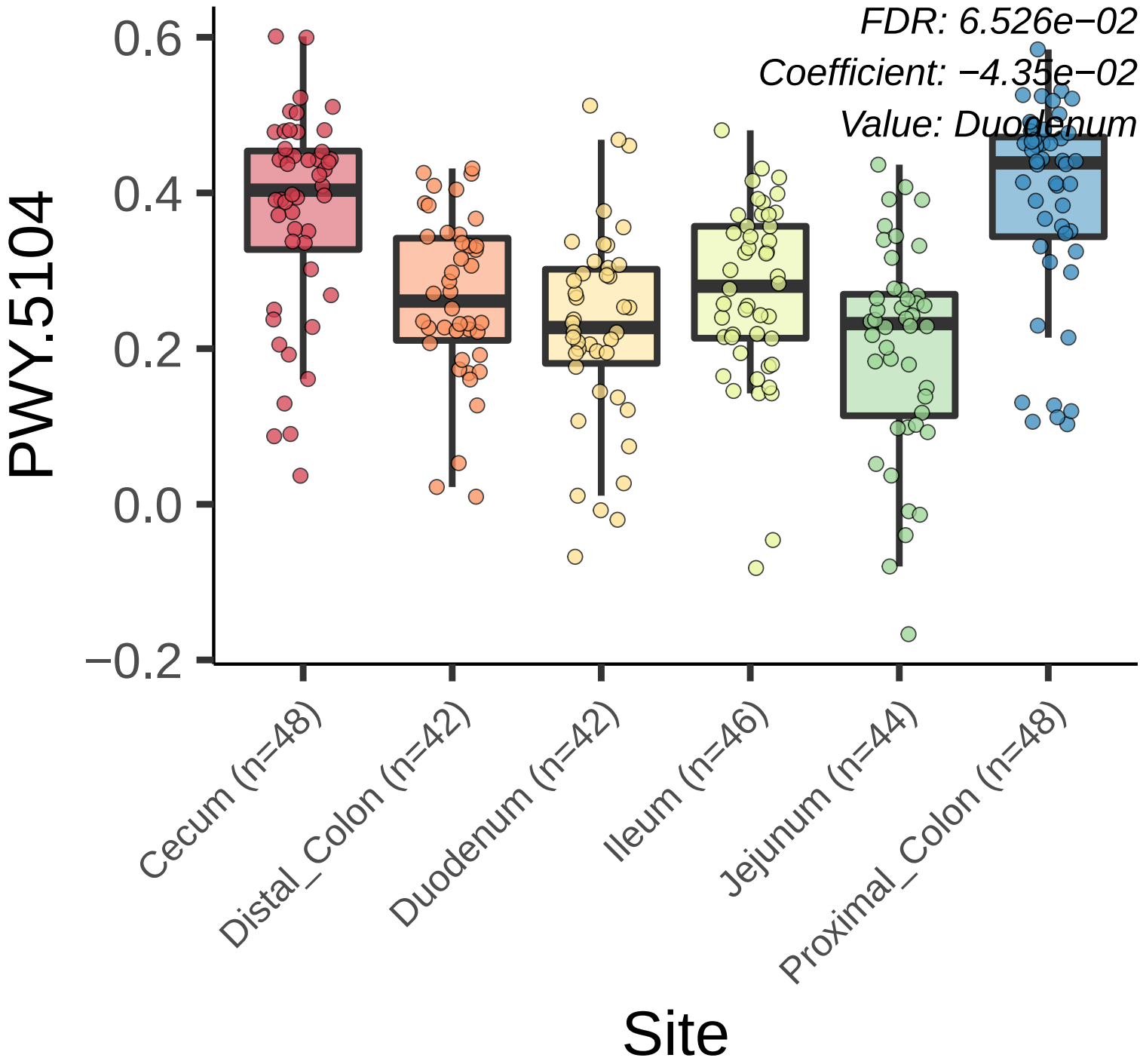

FDR: 5.915e−02
Coefficient: 3.68e−02
Value: Cecum
PWY.5695
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

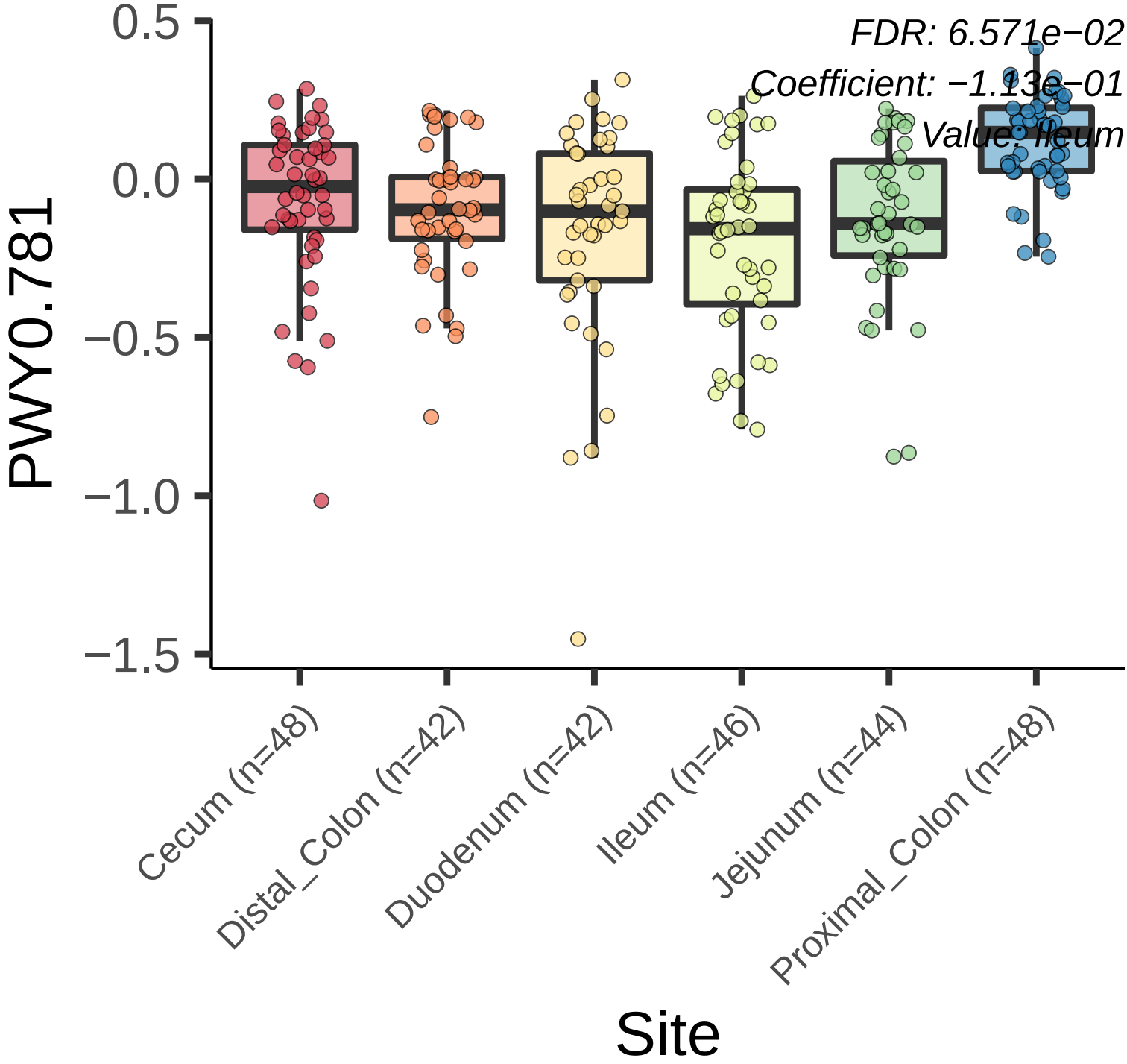

FDR: 5.999e−02
Coefficient: 5.81e−02
Value: Cecum
PWY.7197
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

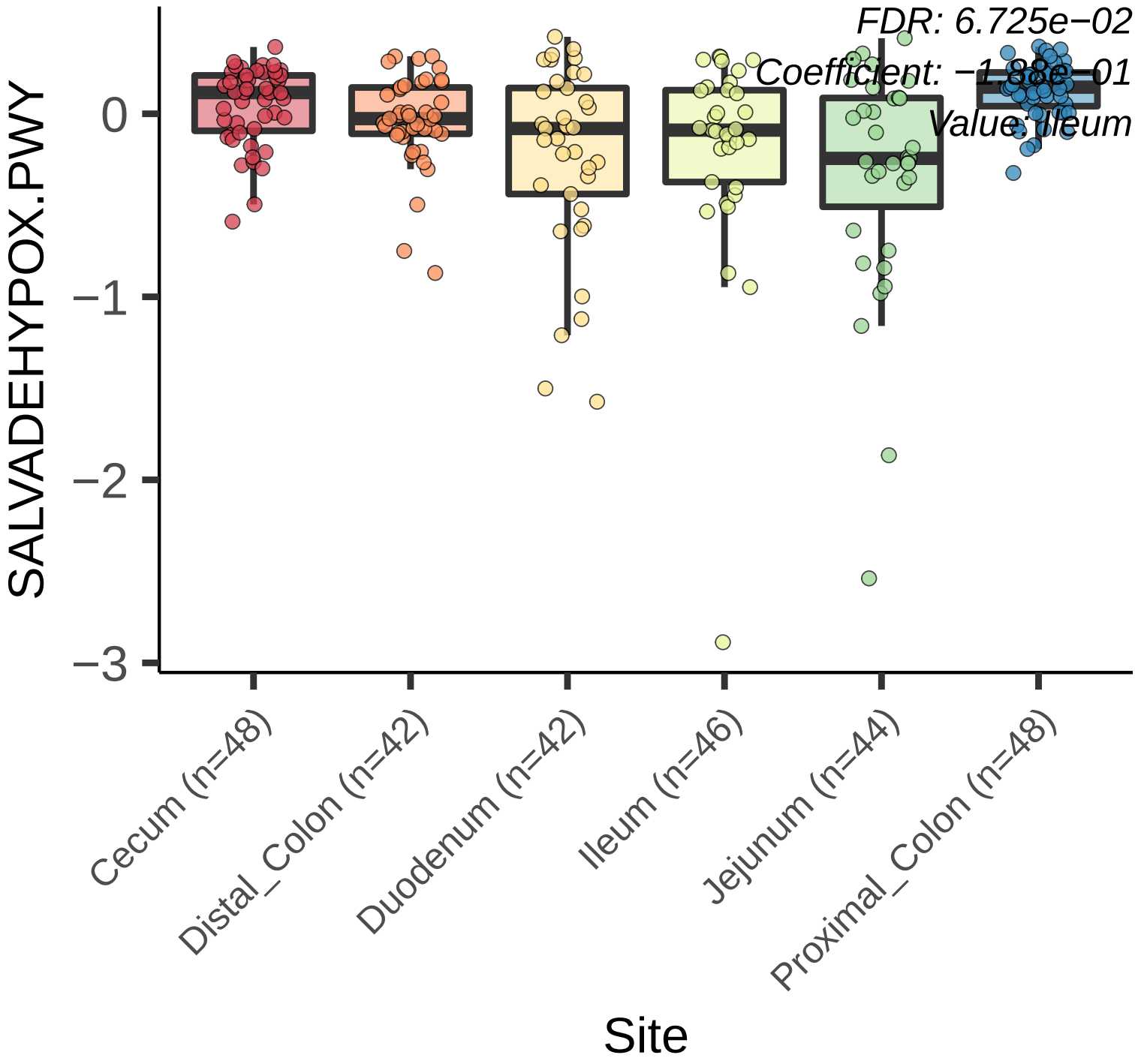

FDR: 6.092e−02
Coefficient: −4.60e−01
Value: Proximal_Colon
TCA.GLYOX.BYPASS
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

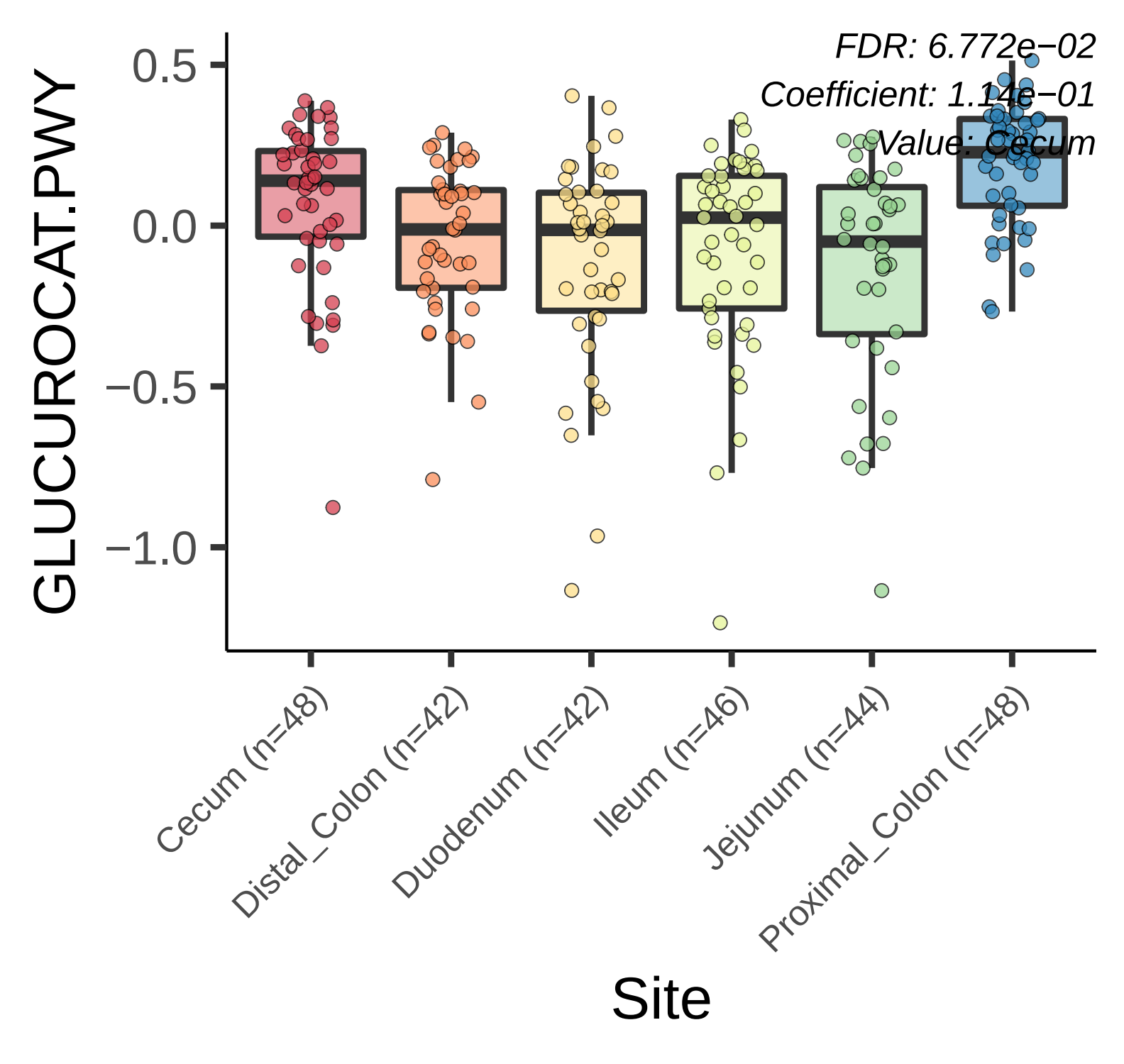

FDR: 6.313e−02
Coefficient: −4.88e−01
Value: Duodenum
PWY.7237
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

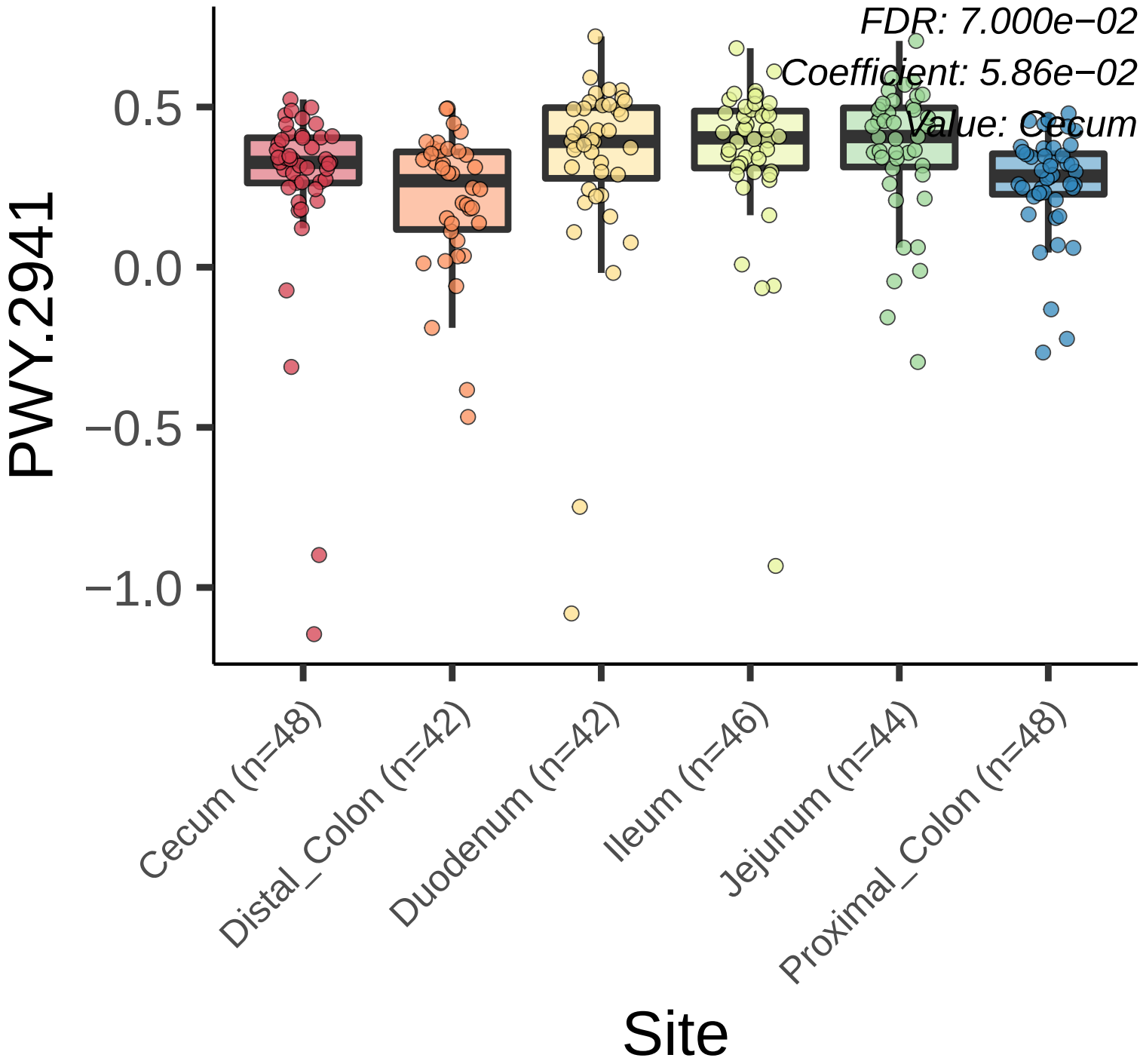

FDR: 6.428e−02
Coefficient: −4.78e−02
Value: Jejunum
ARGSYNBSUB.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

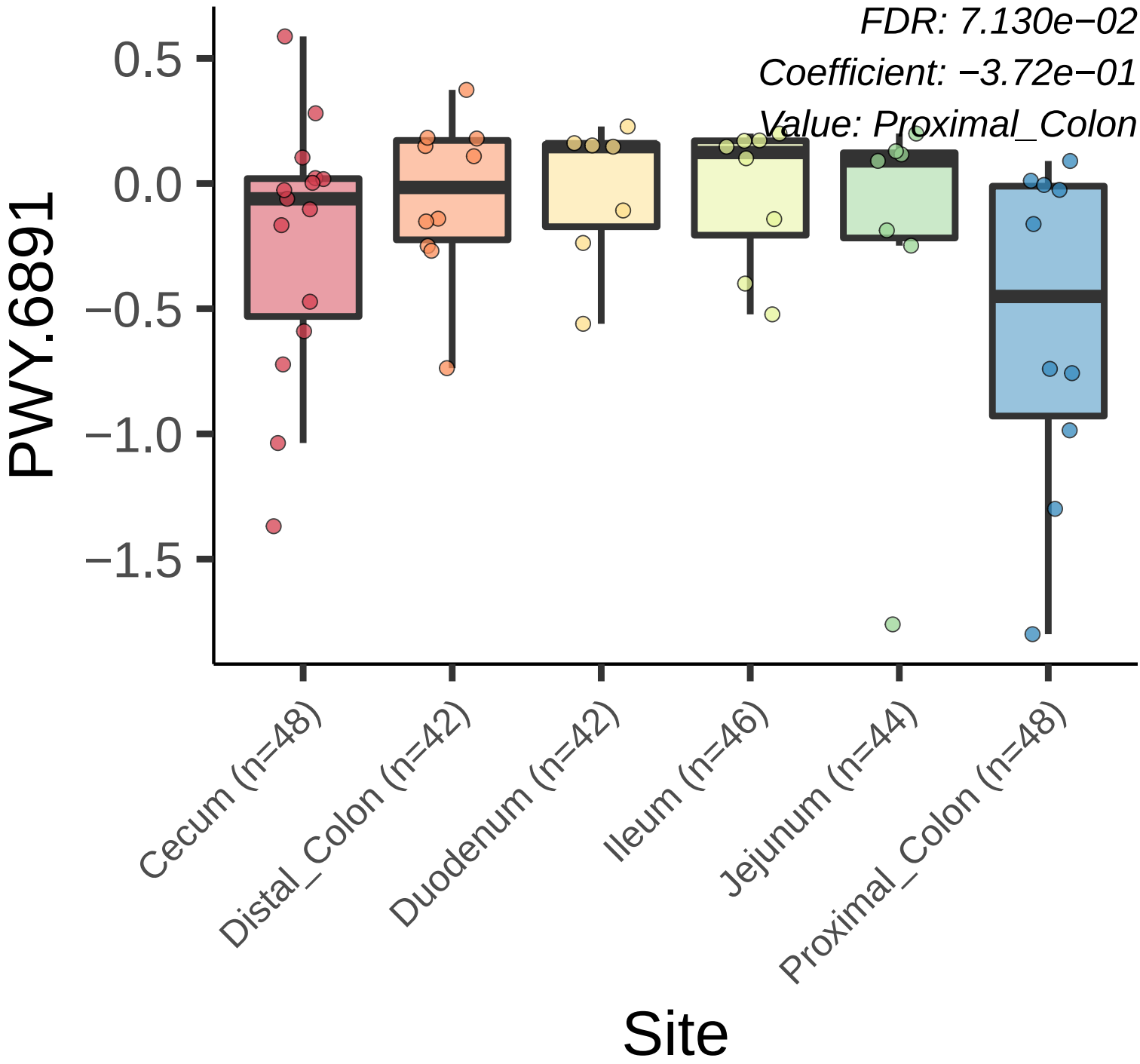

FDR: 6.526e−02
Coefficient: −4.35e−02
Value: Duodenum
PWY.5104
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

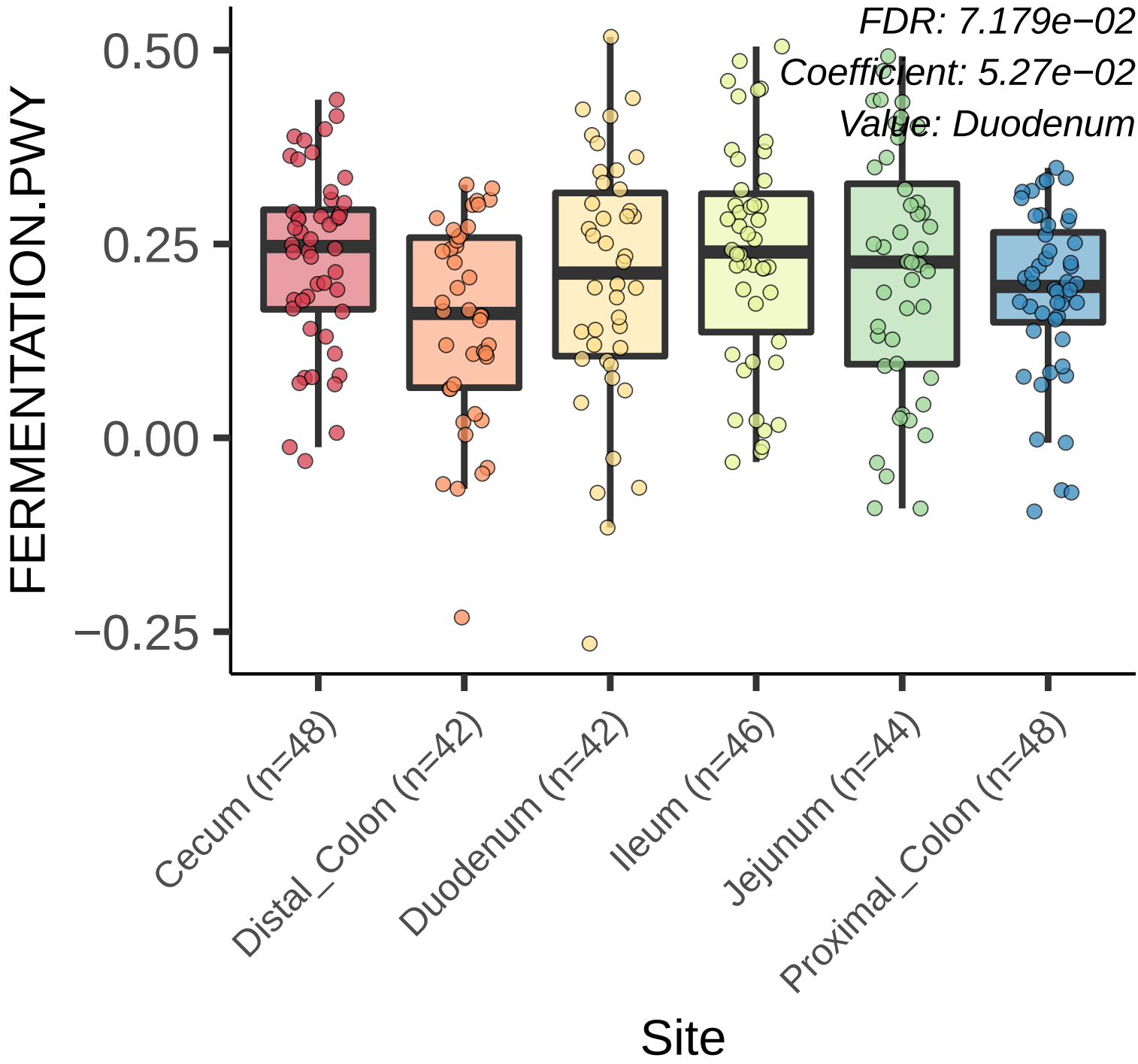

FDR: 6.571e−02
Coefficient: −1.13e−01
Value: Ileum
PWY0.781
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

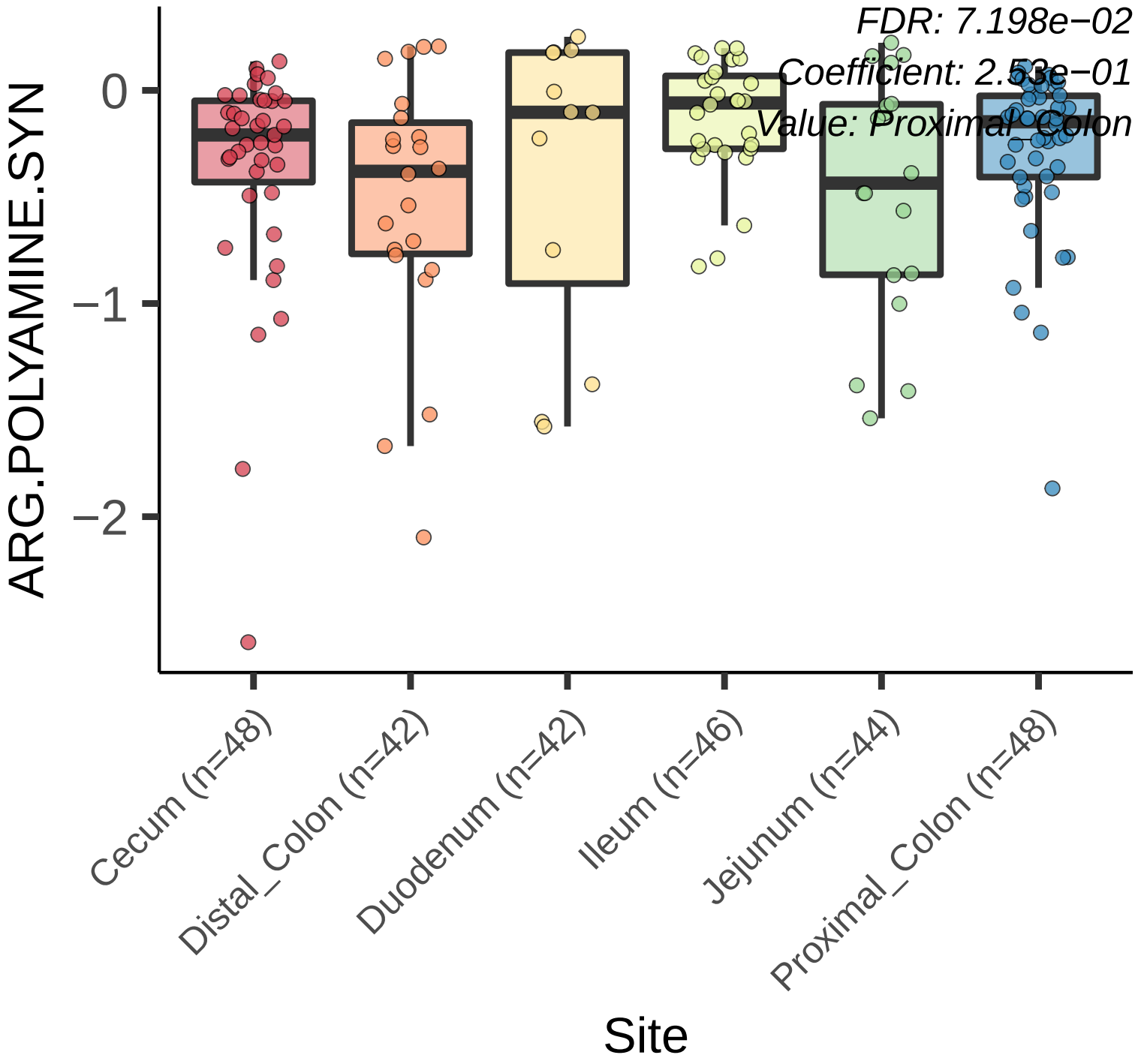

FDR: 6.725e−02
Coefficient: −1.88e−01
Value: Ileum
SALVADEHYPOX.PWY
0
−1
−2
−3
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

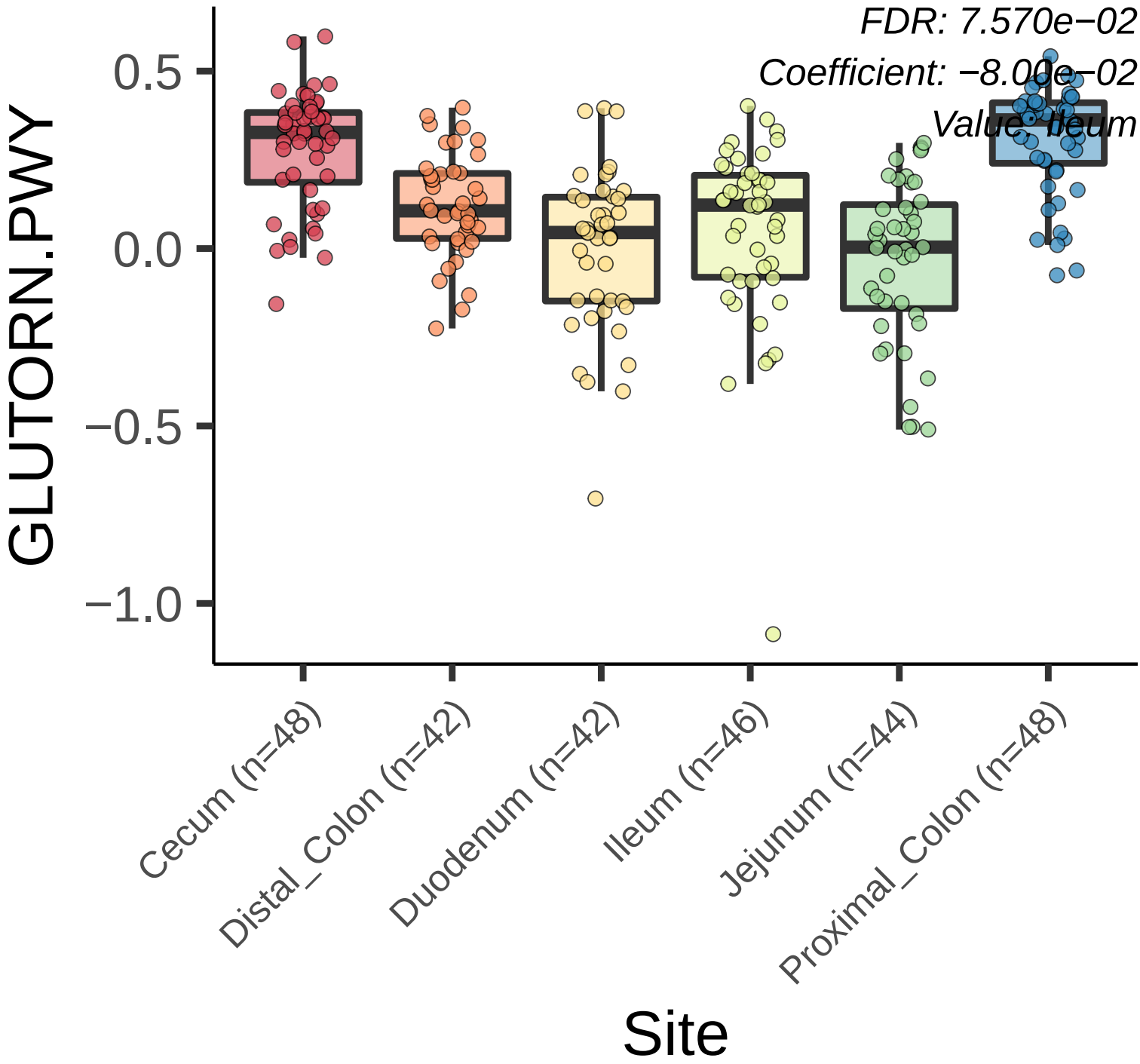

FDR: 6.772e−02
Coefficient: 1.14e−01
Value: Cecum
GLUCUROCAT.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

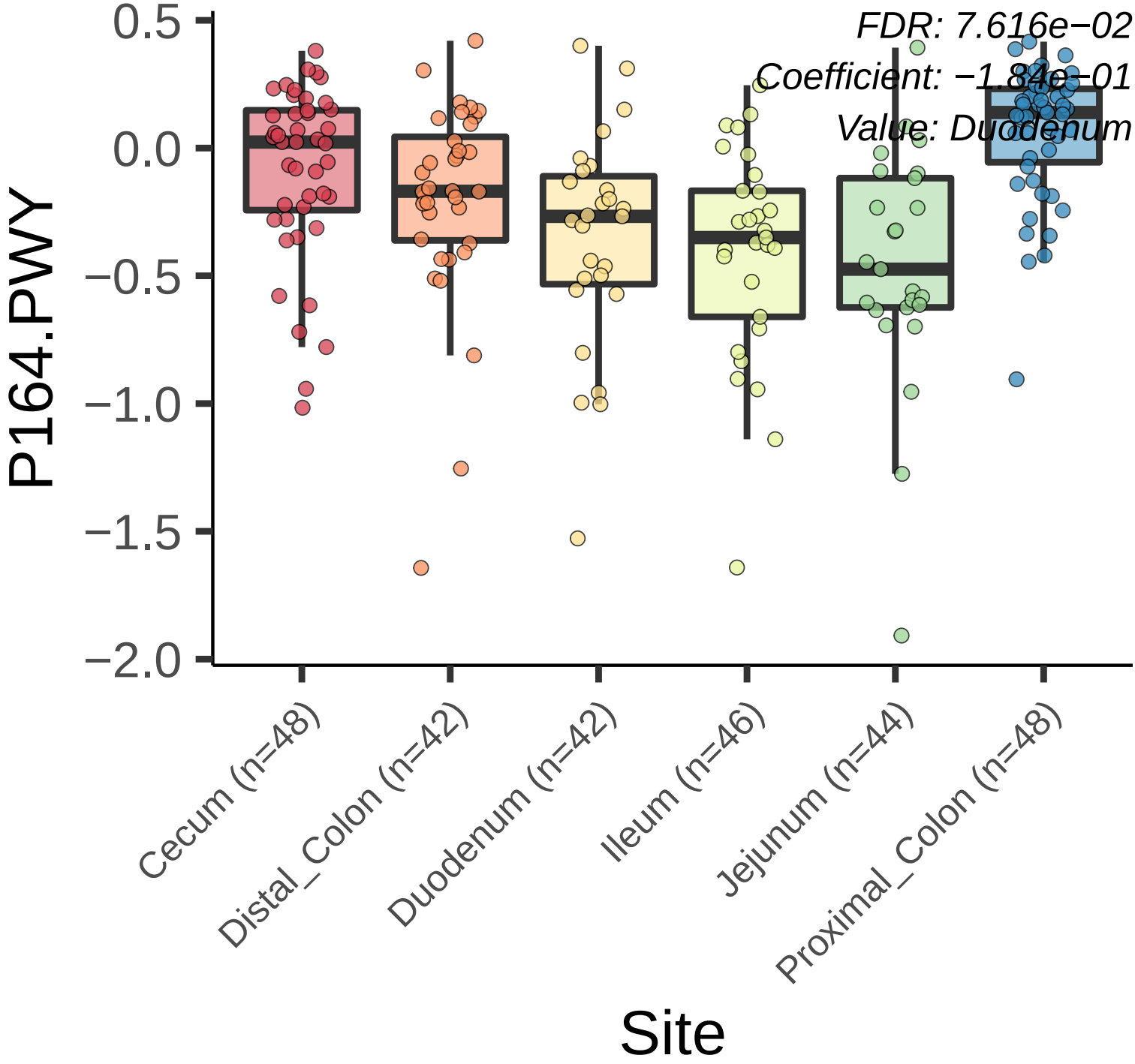

FDR: 7.000e−02
Coefficient: 5.86e−02
Value: Cecum
PWY.2941
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

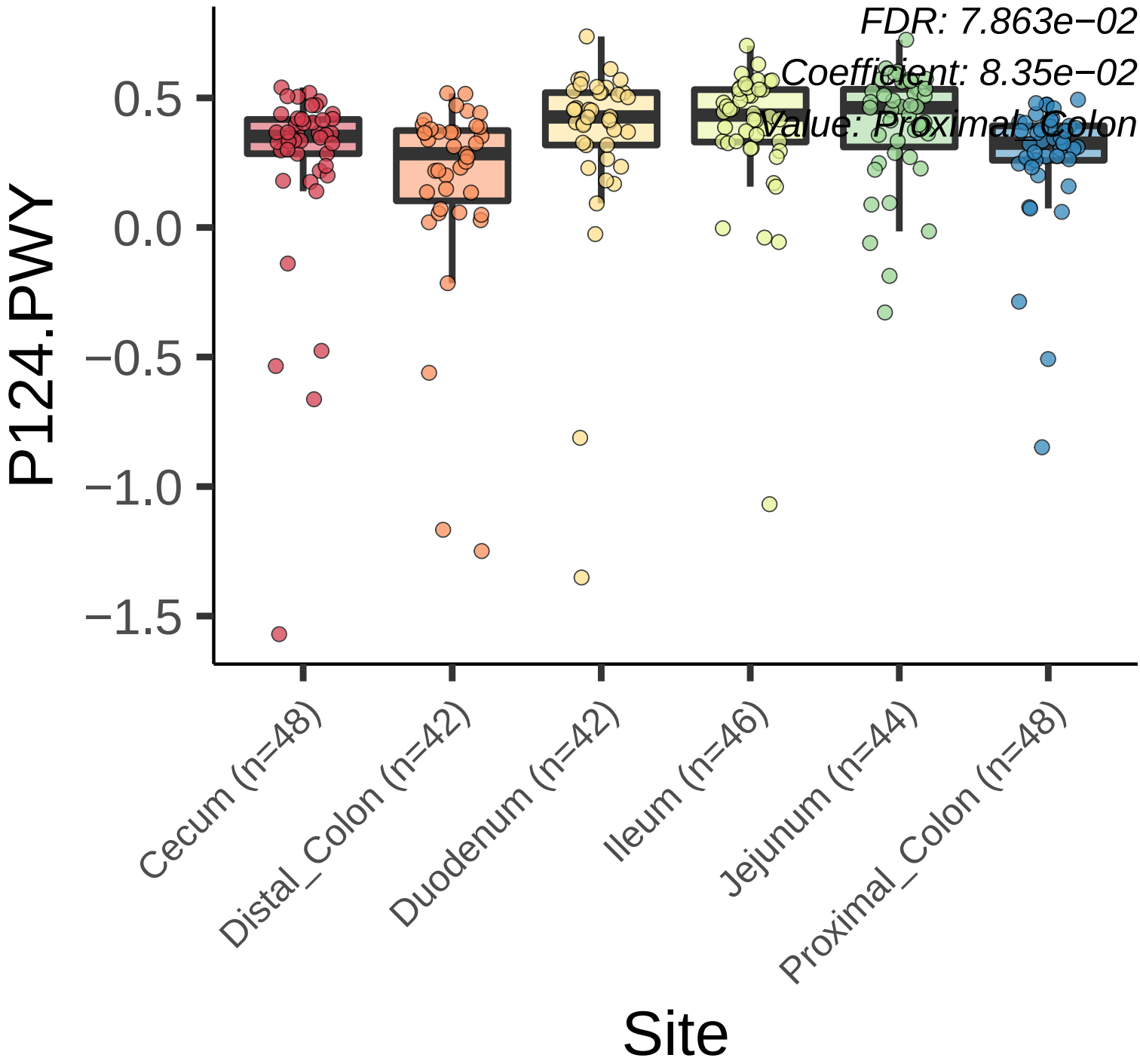

FDR: 7.130e−02
Coefficient: −3.72e−01
Value: Proximal_Colon
PWY.6891
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

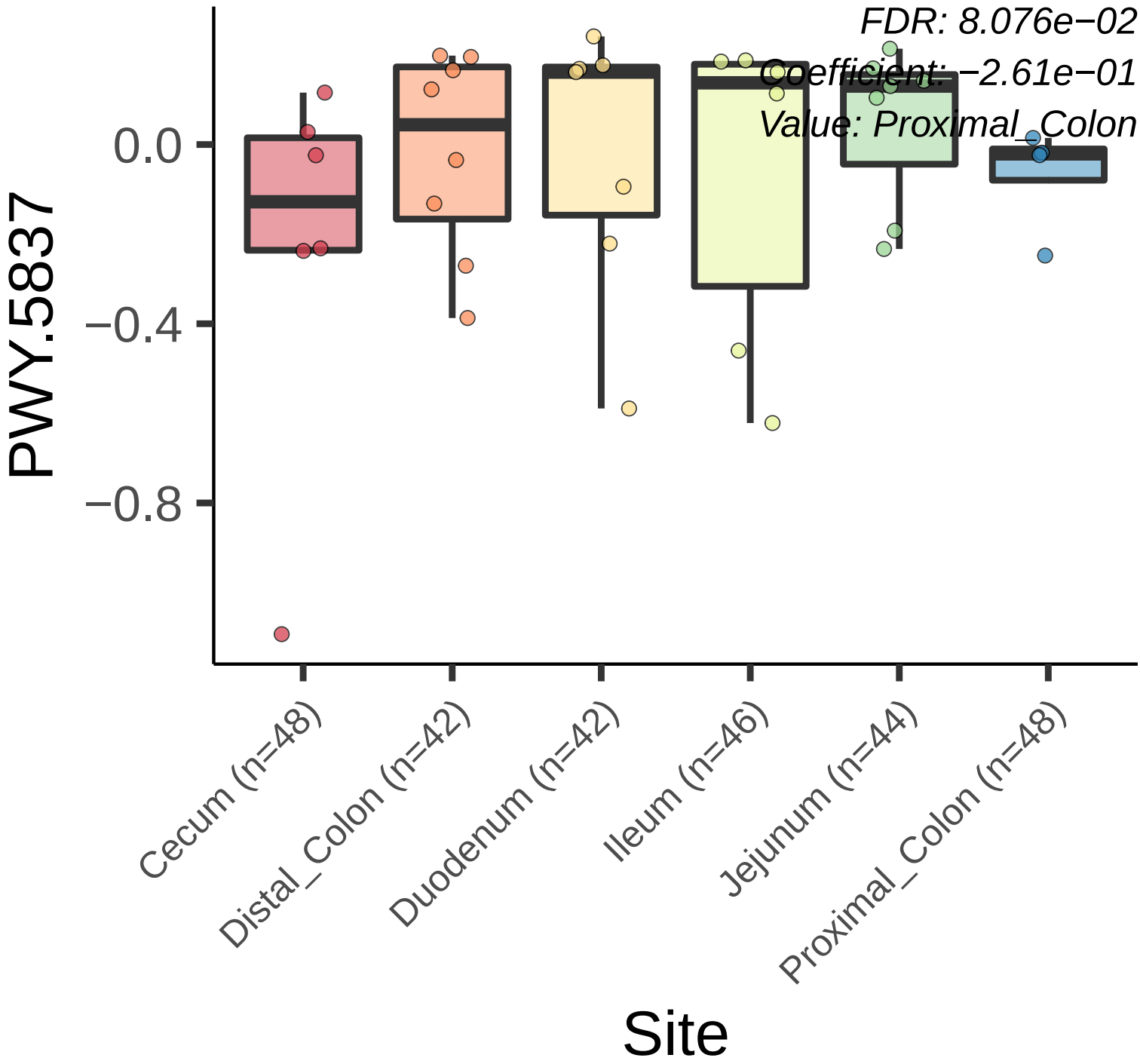

FDR: 7.179e−02
Coefficient: 5.27e−02
Value: Duodenum
FERMENTATION.PWY
0.50
0.25
0.00
−0.25
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

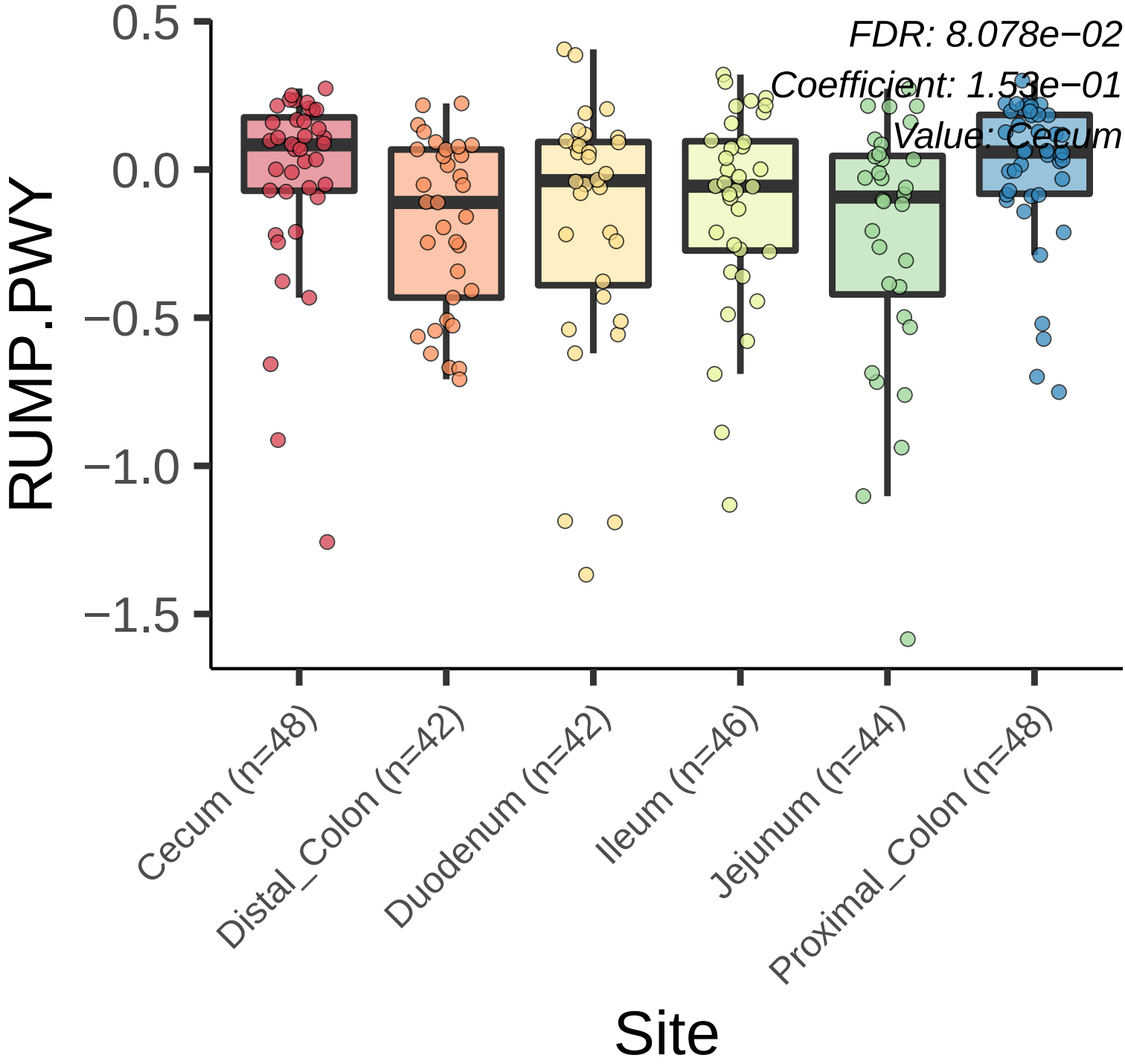

FDR: 7.198e−02
Coefficient: 2.53e−01
Value: Proximal_Colon
ARG.POLYAMINE.SYN
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

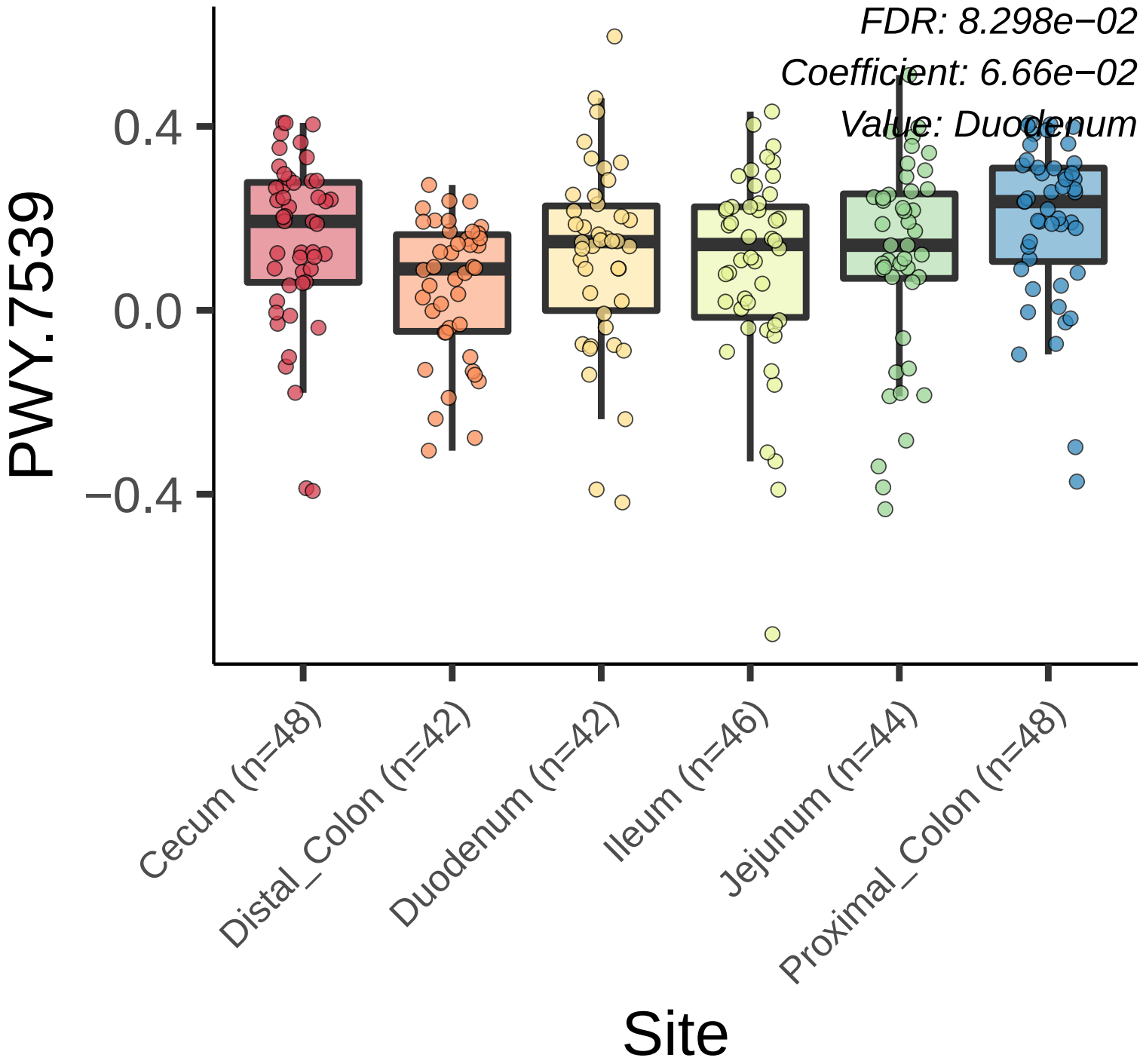

FDR: 7.570e−02
Coefficient: −8.00e−02
Value: Ileum
GLUTORN.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

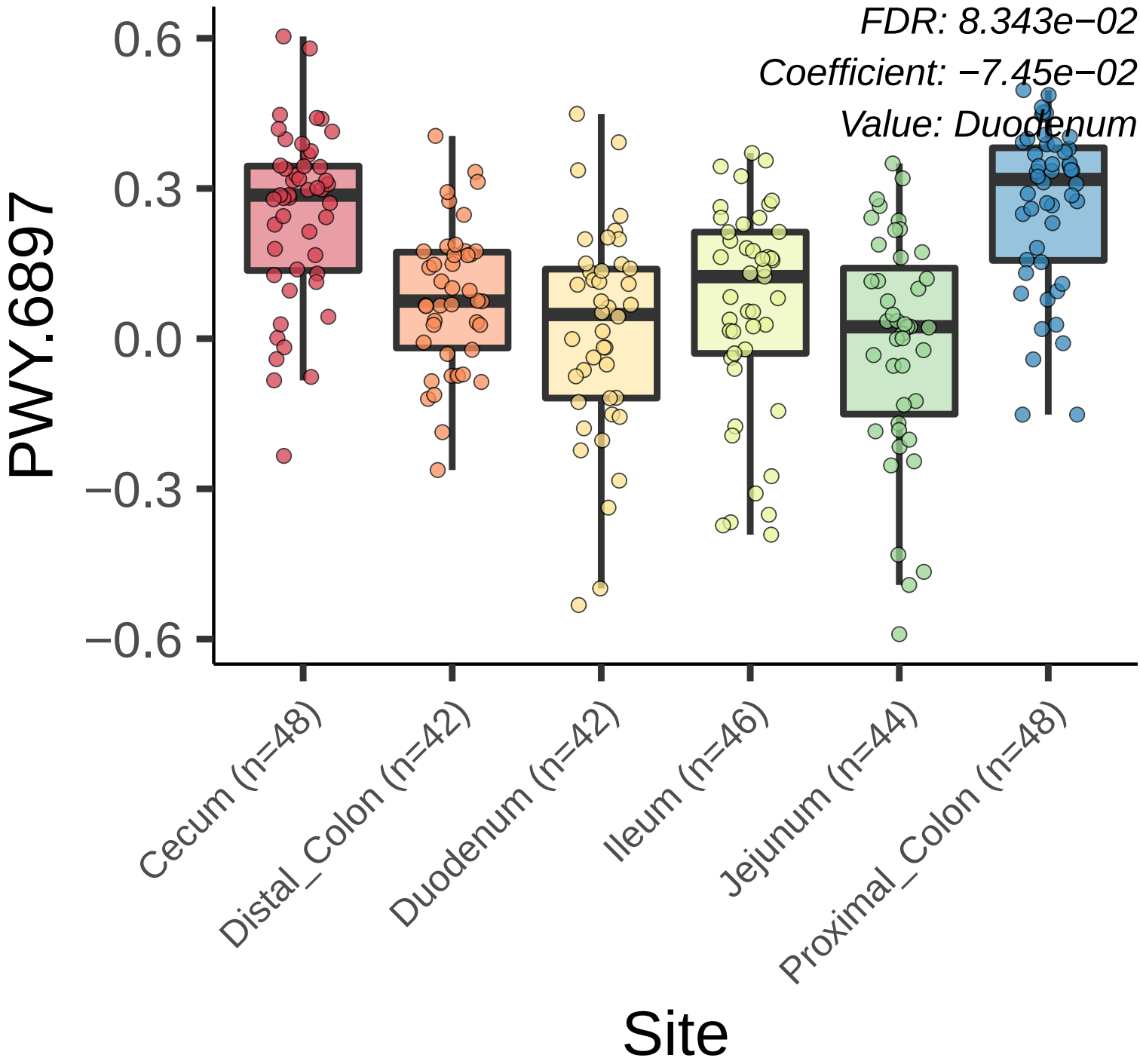

FDR: 7.616e−02
Coefficient: −1.84e−01
Value: Duodenum
P164.PWY
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

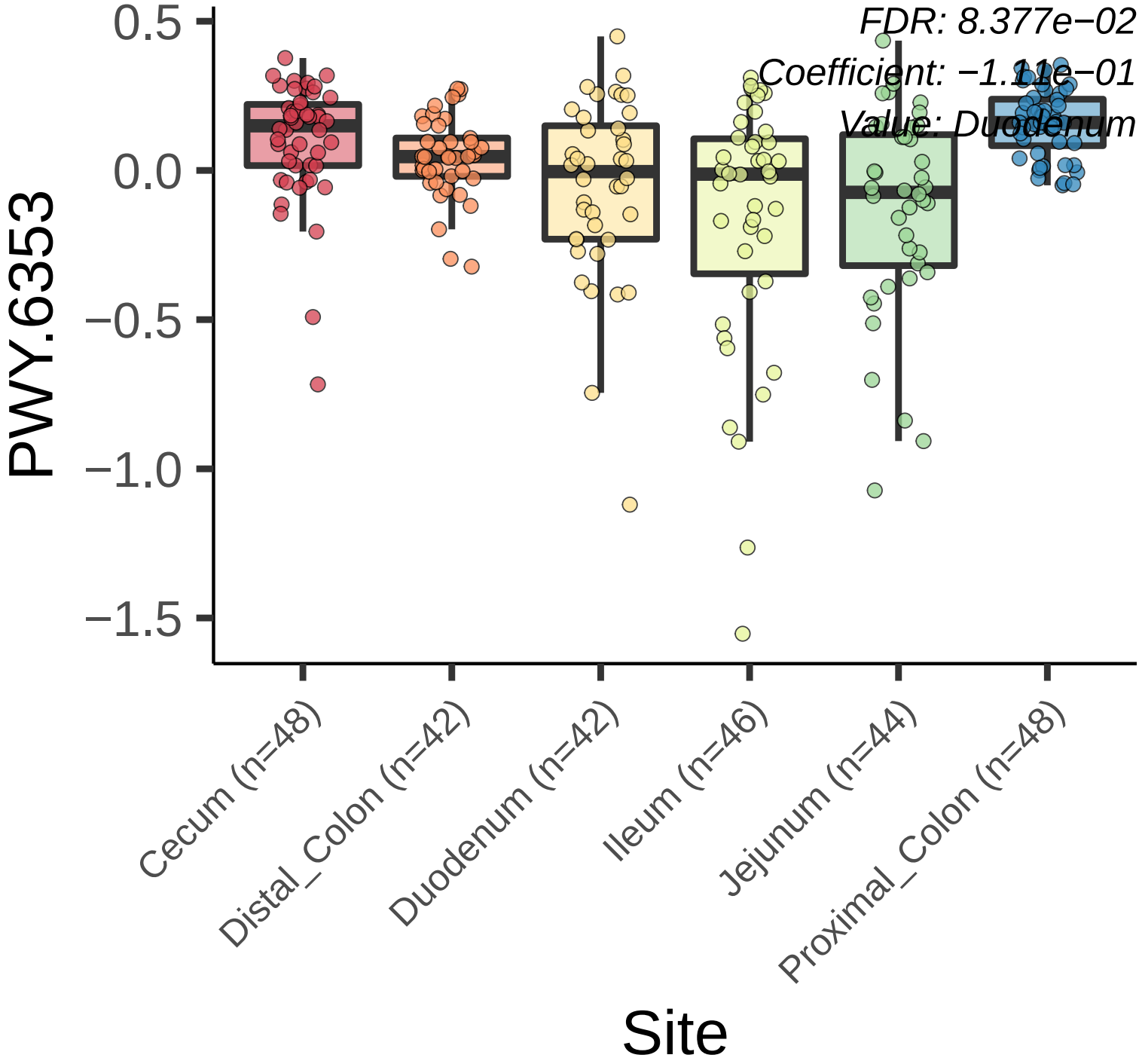

FDR: 7.863e−02
Coefficient: 8.35e−02
Value: Proximal_Colon
P124.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

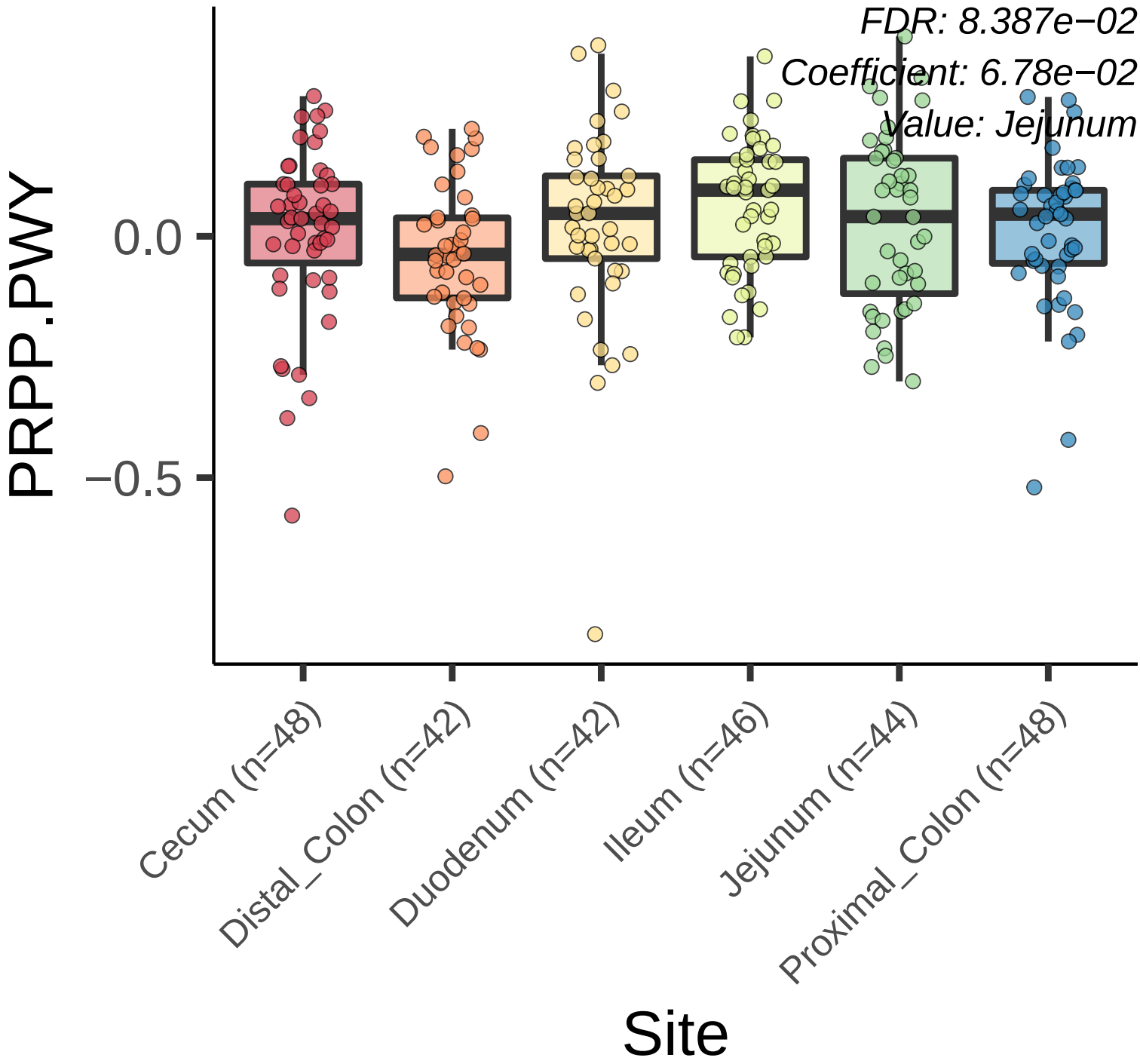

FDR: 8.076e−02
Coefficient: −2.61e−01
Value: Proximal_Colon
PWY.5837
0.0
−0.4
−0.8
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

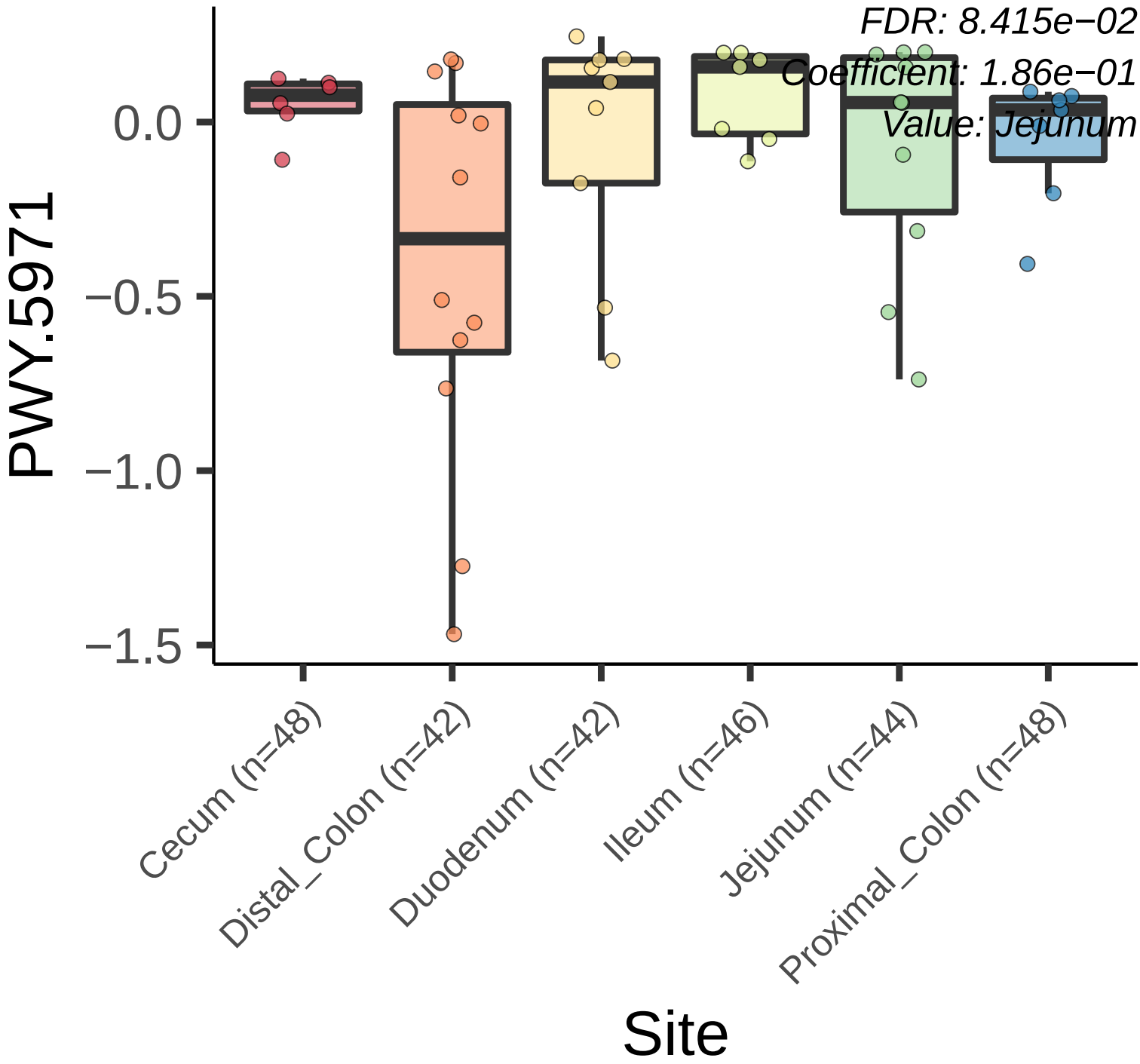

FDR: 8.078e−02
Coefficient: 1.53e−01
Value: Cecum
RUMP.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

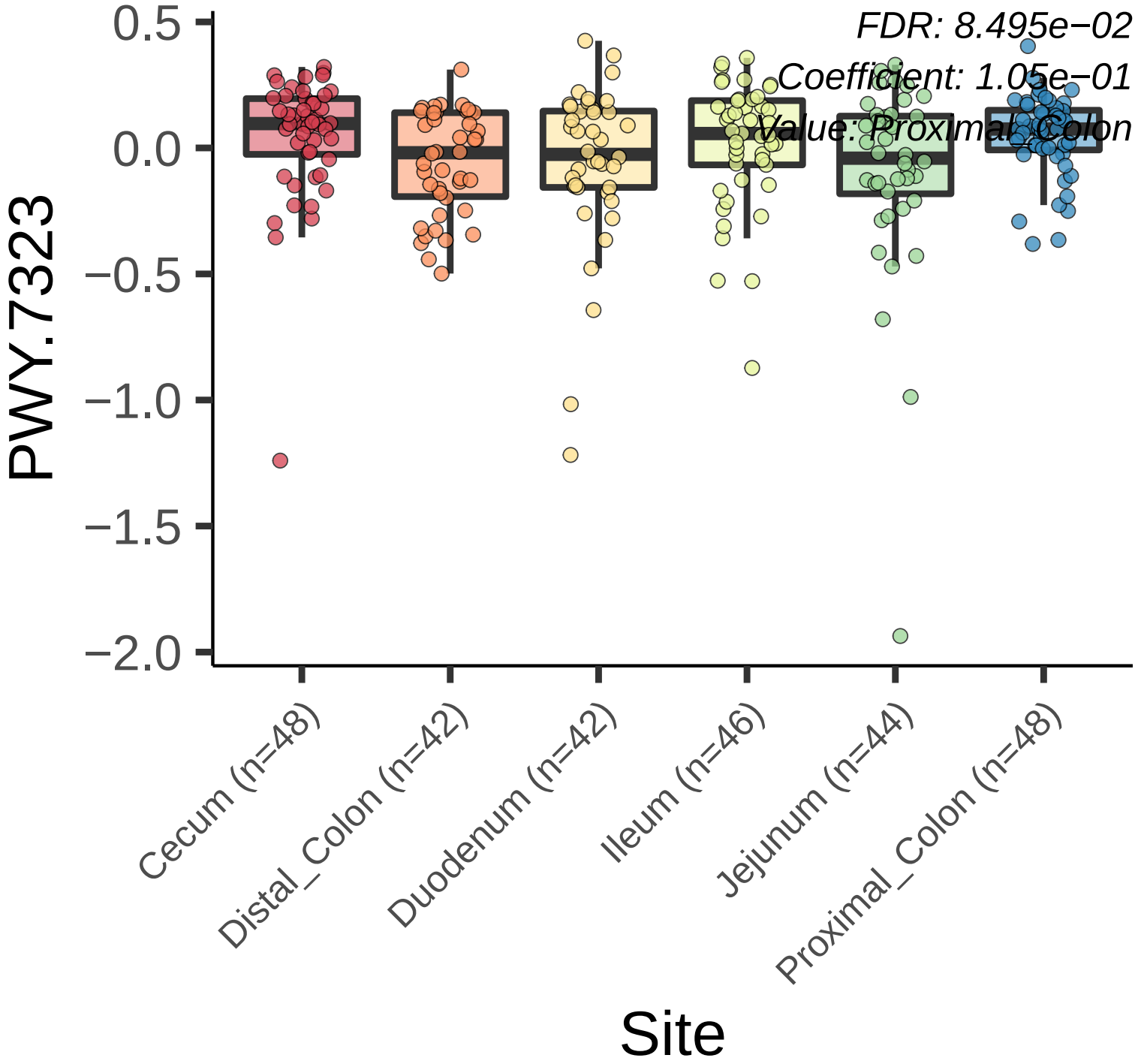

FDR: 8.298e−02
Coefficient: 6.66e−02
Value: Duodenum
PWY.7539
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

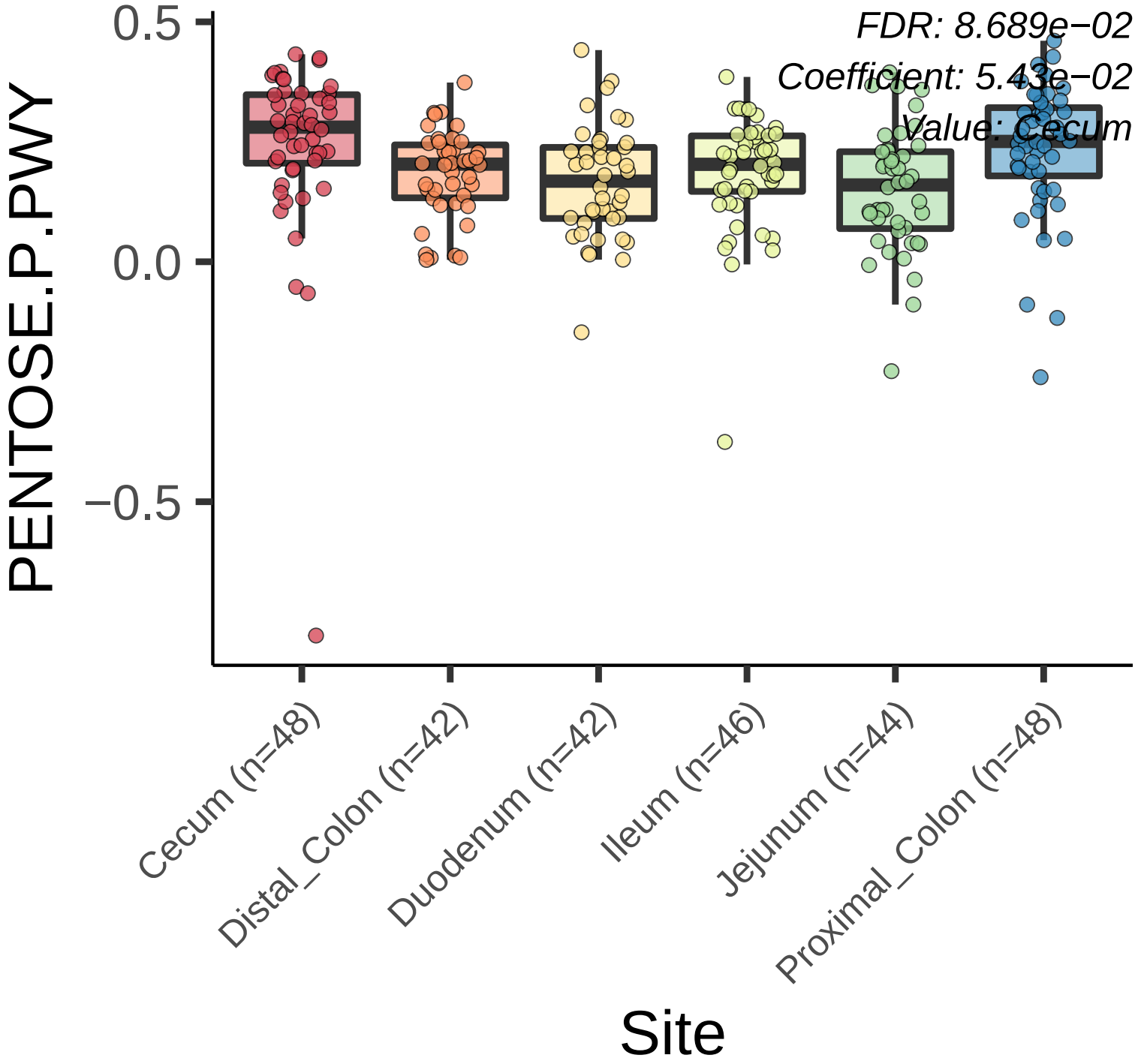

FDR: 8.343e−02
Coefficient: −7.45e−02
Value: Duodenum
PWY.6897
0.6
0.3
0.0
−0.3
−0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

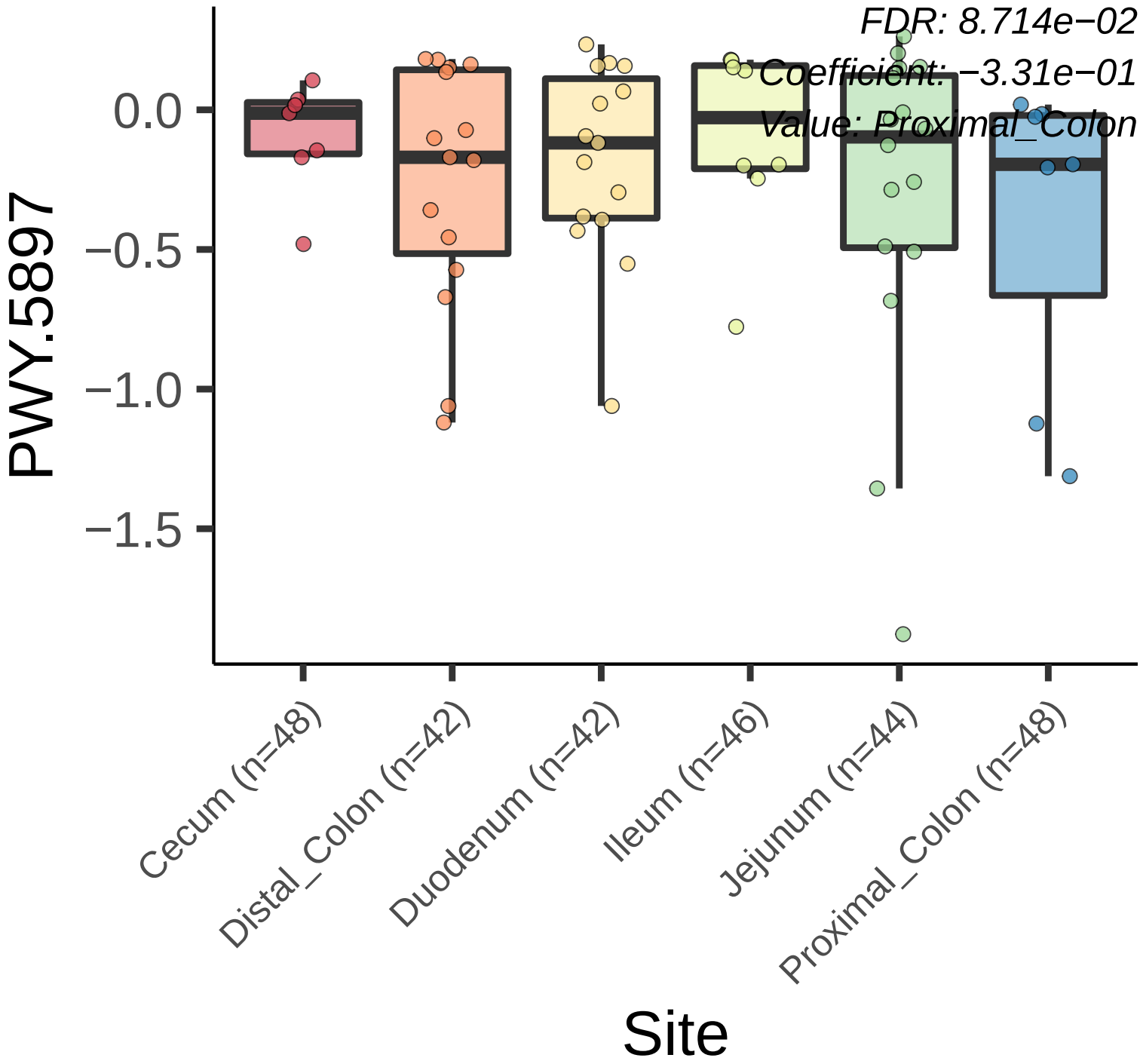

FDR: 8.377e−02
Coefficient: −1.11e−01
Value: Duodenum
PWY.6353
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

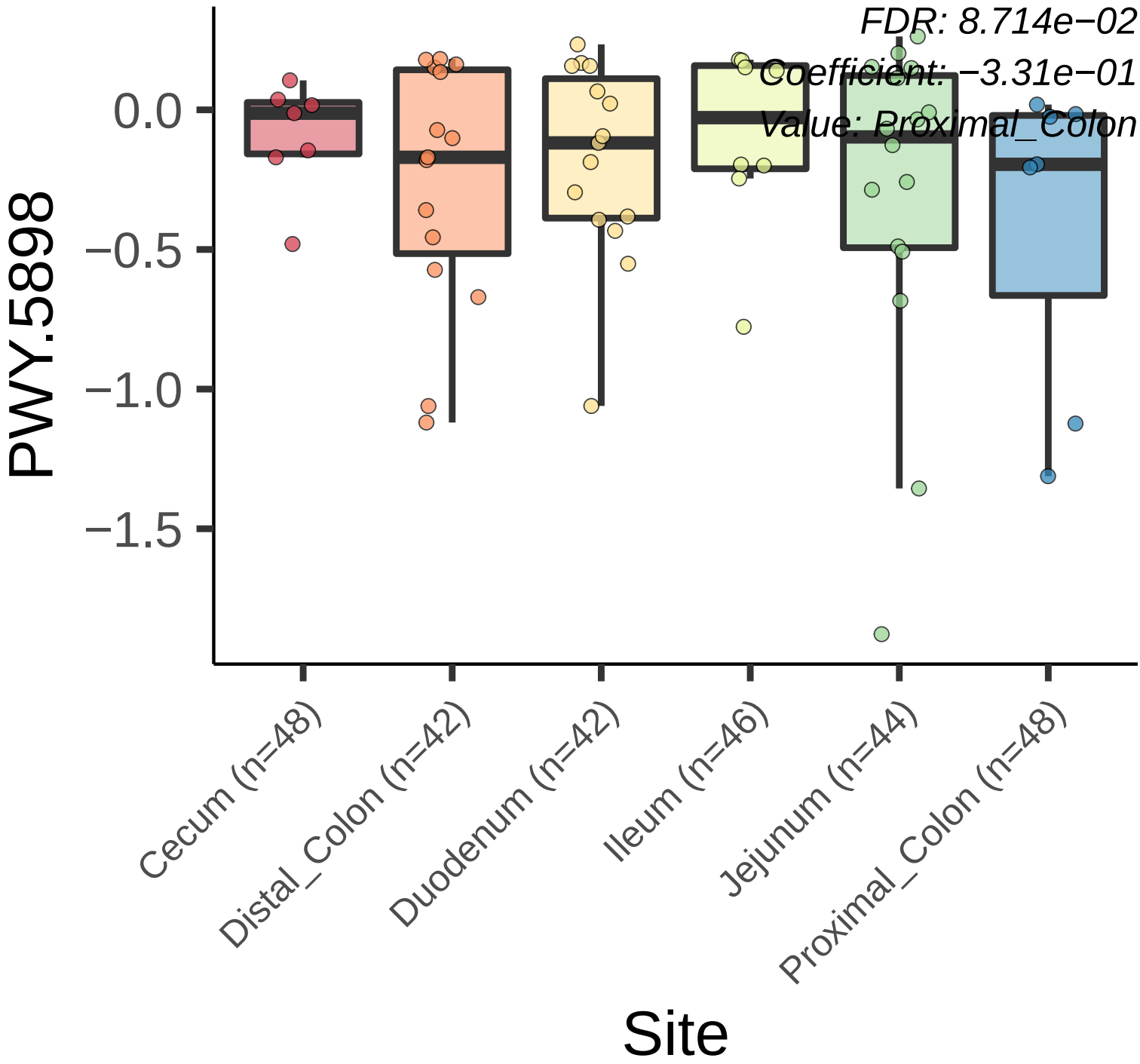

FDR: 8.387e−02
Coefficient: 6.78e−02
Value: Jejunum
PRPP.PWY
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

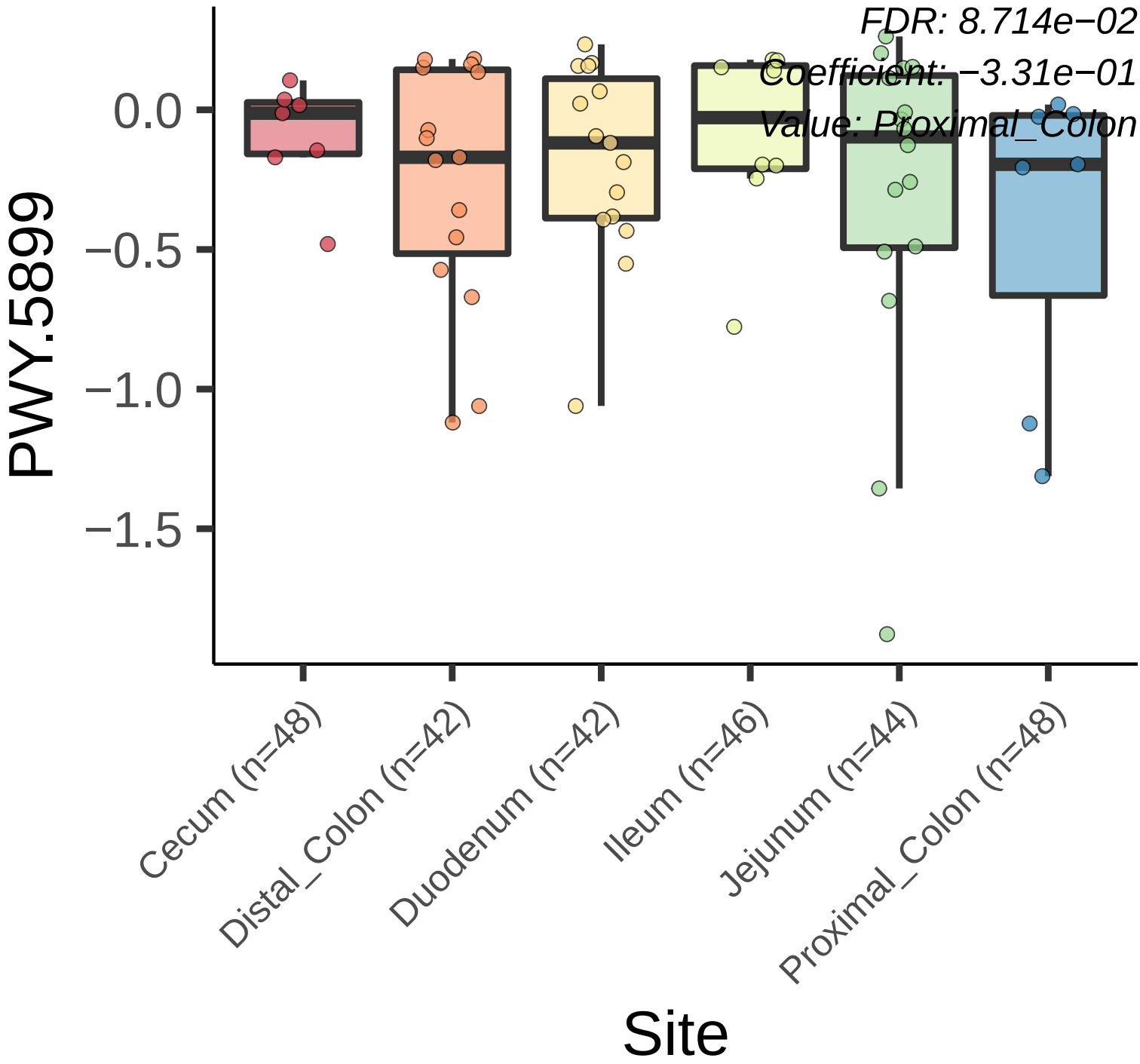

FDR: 8.415e−02
Coefficient: 1.86e−01
Value: Jejunum
PWY.5971
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

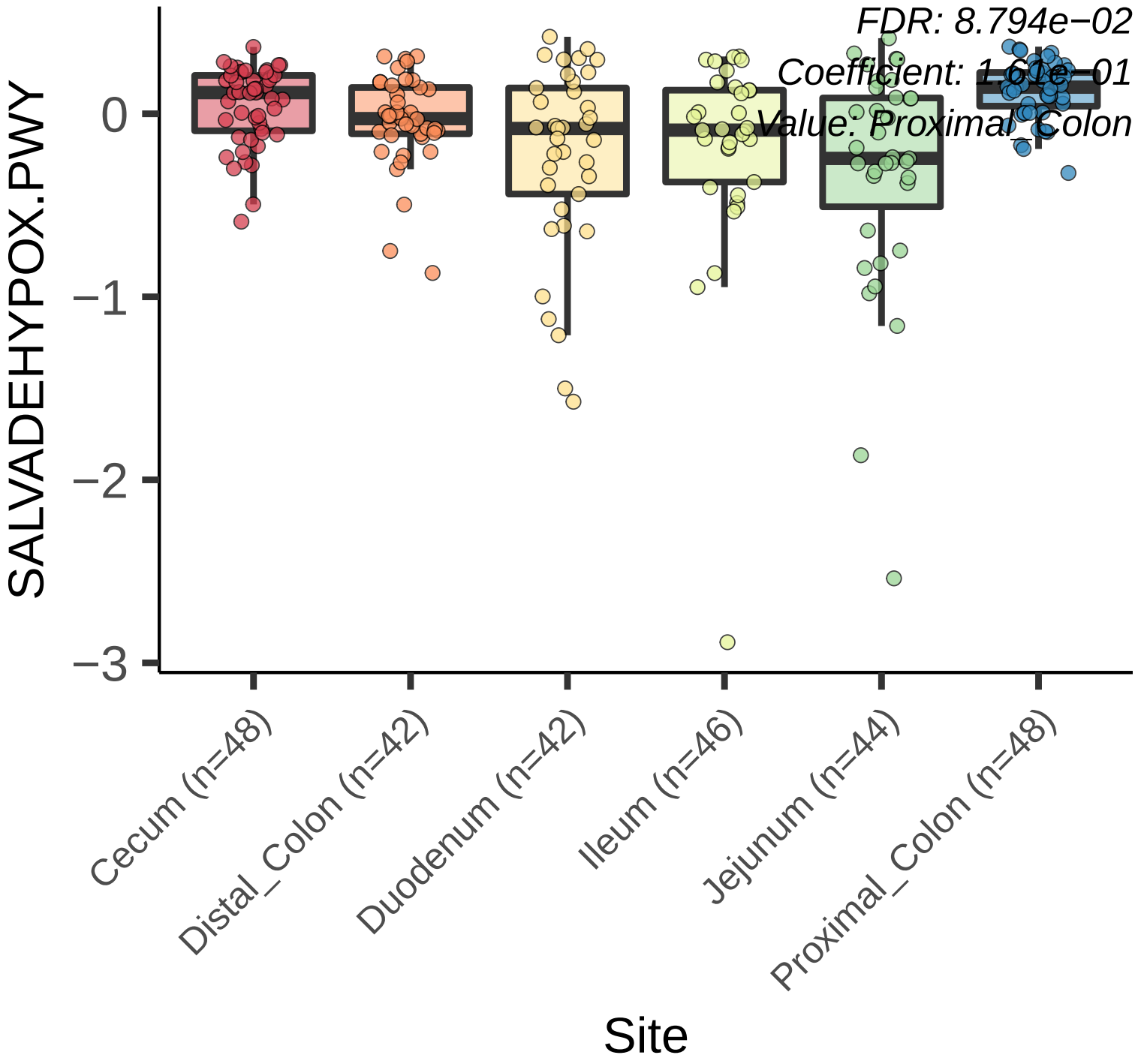

FDR: 8.495e−02
Coefficient: 1.05e−01
Value: Proximal_Colon
PWY.7323
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

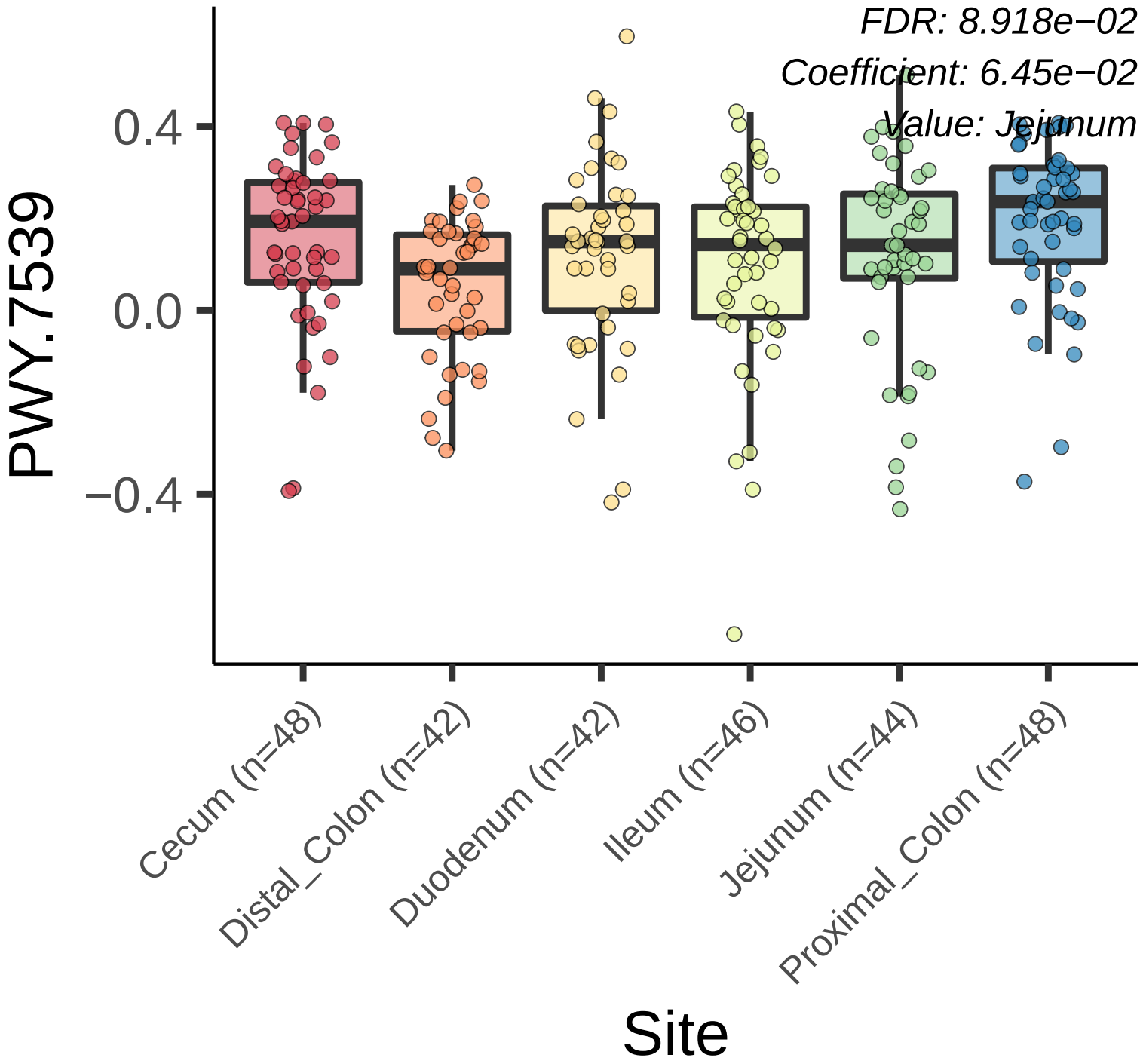

FDR: 8.689e−02
Coefficient: 5.43e−02
Value: Cecum
PENTOSE.P.PWY
0.5
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

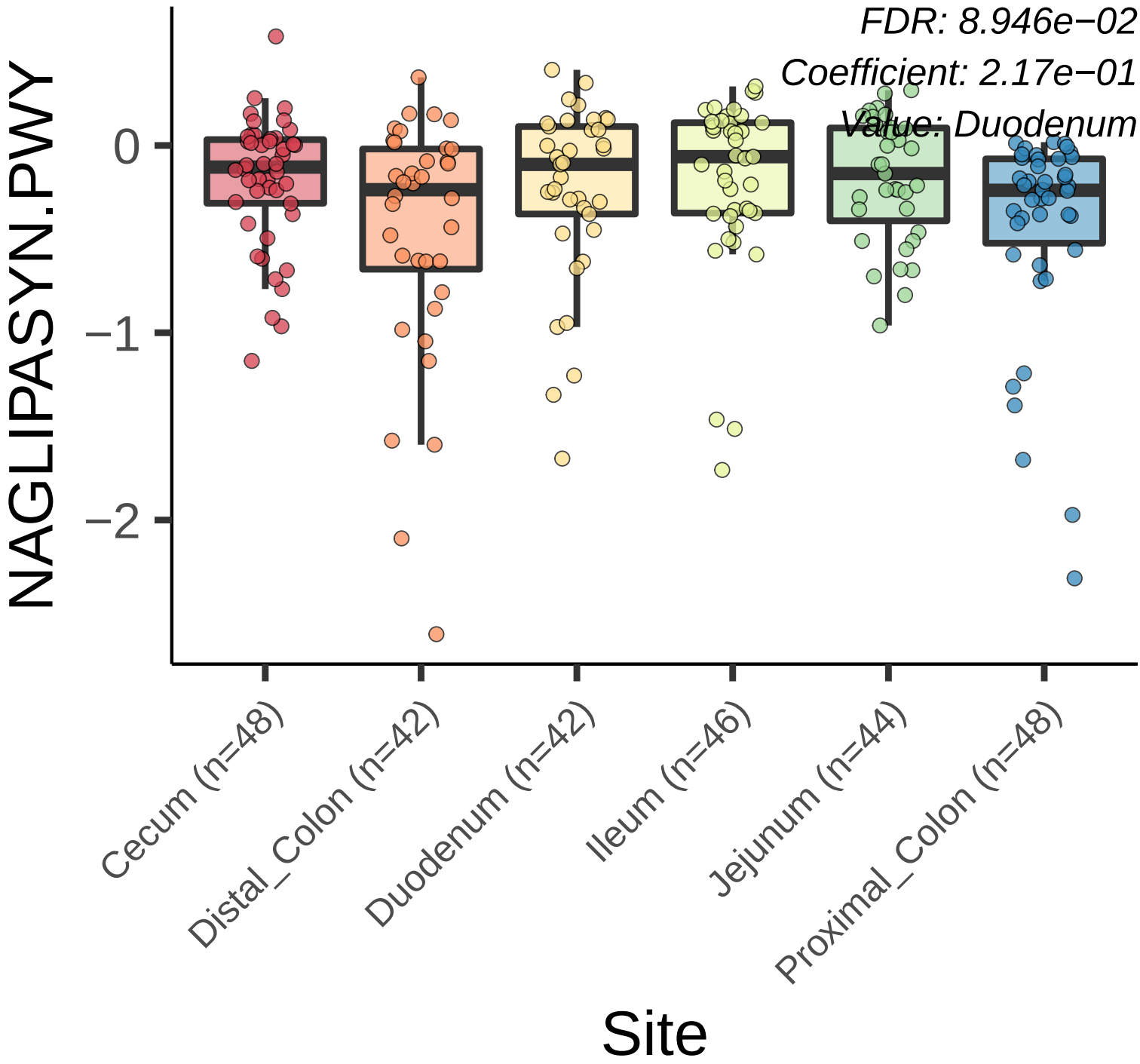

FDR: 8.714e−02
Coefficient: −3.31e−01
Value: Proximal_Colon
PWY.5897
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

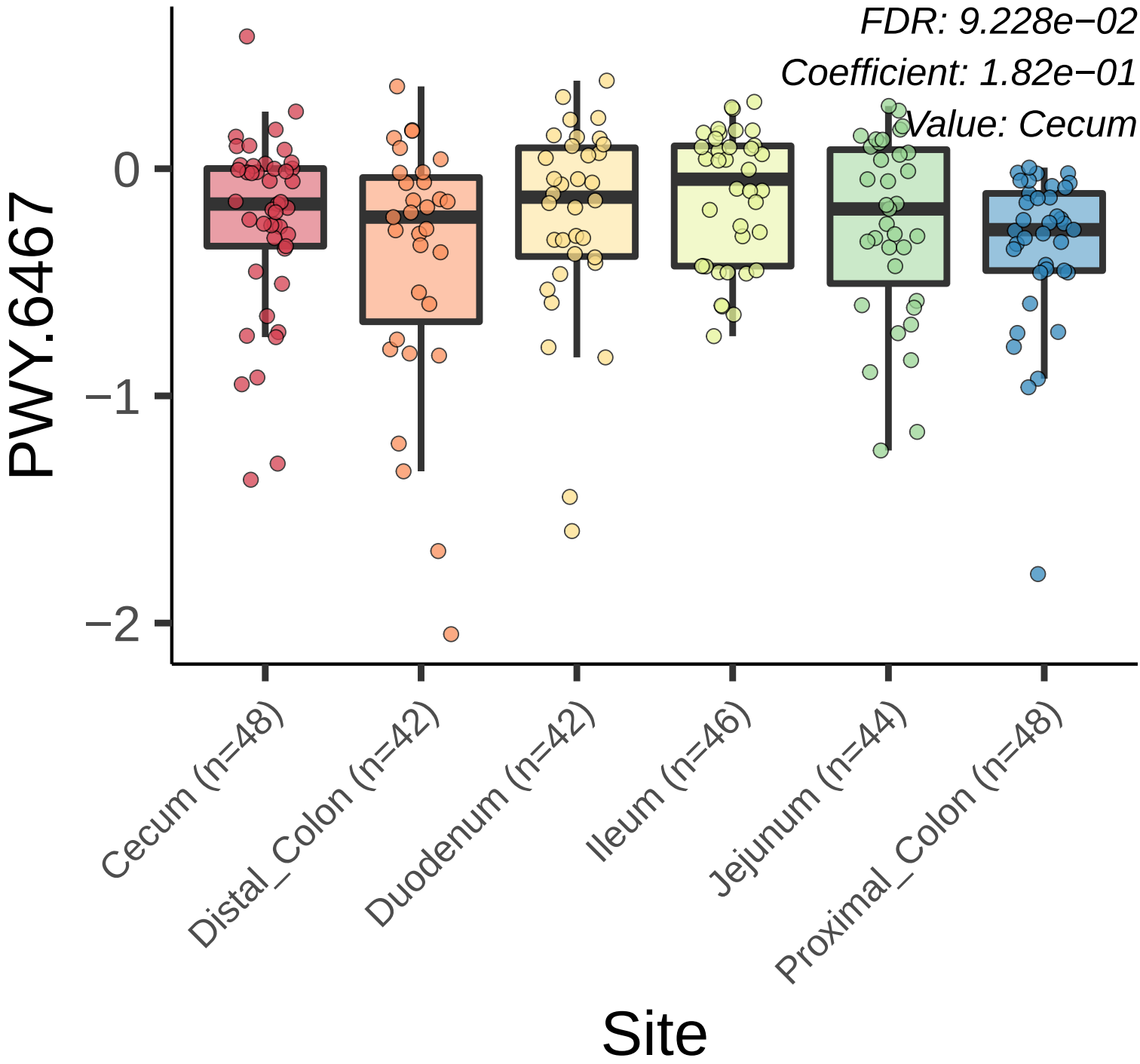

FDR: 8.714e−02
Coefficient: −3.31e−01
Value: Proximal_Colon
PWY.5898
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

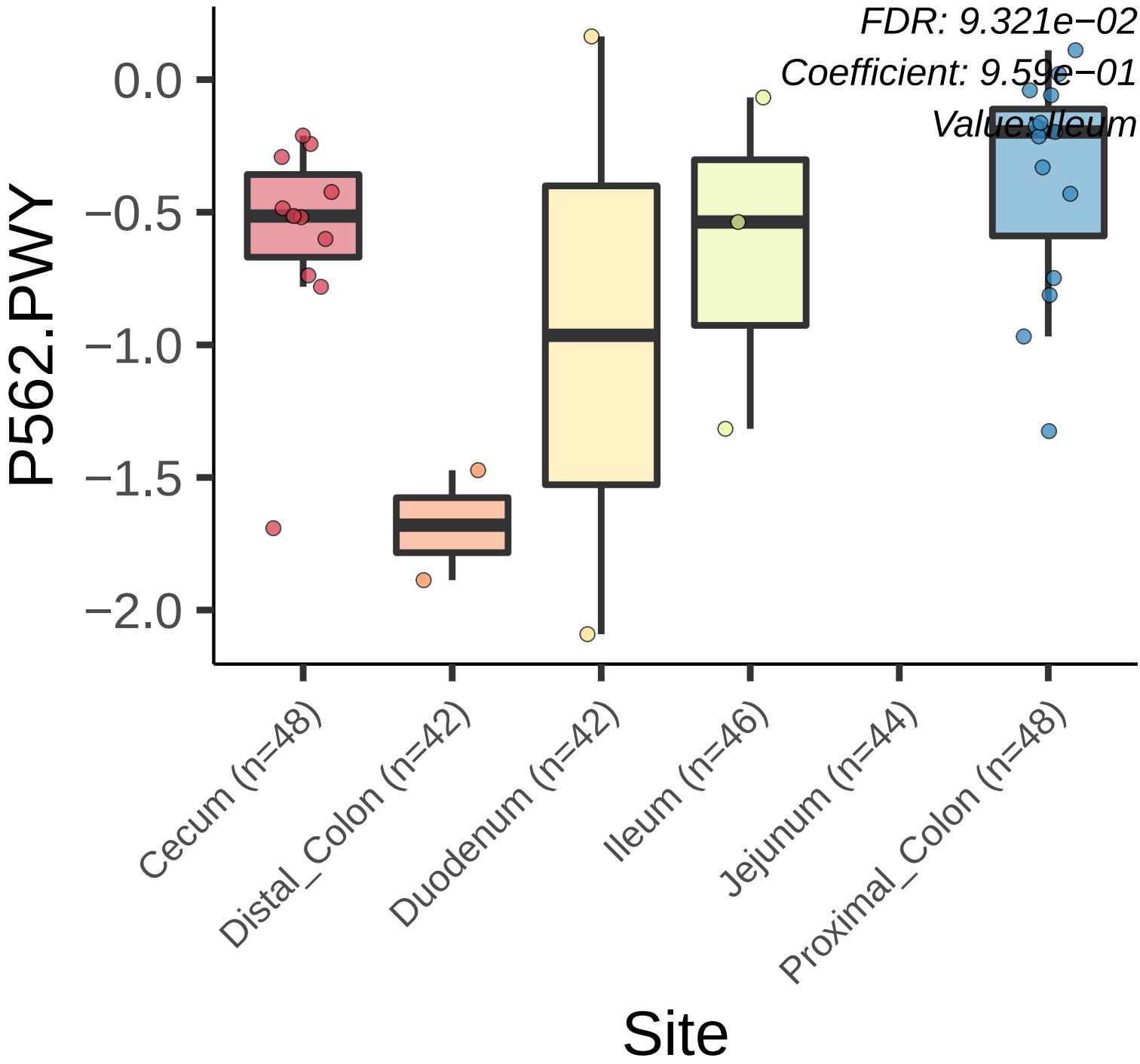

FDR: 8.714e−02
Coefficient: −3.31e−01
Value: Proximal_Colon
PWY.5899
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

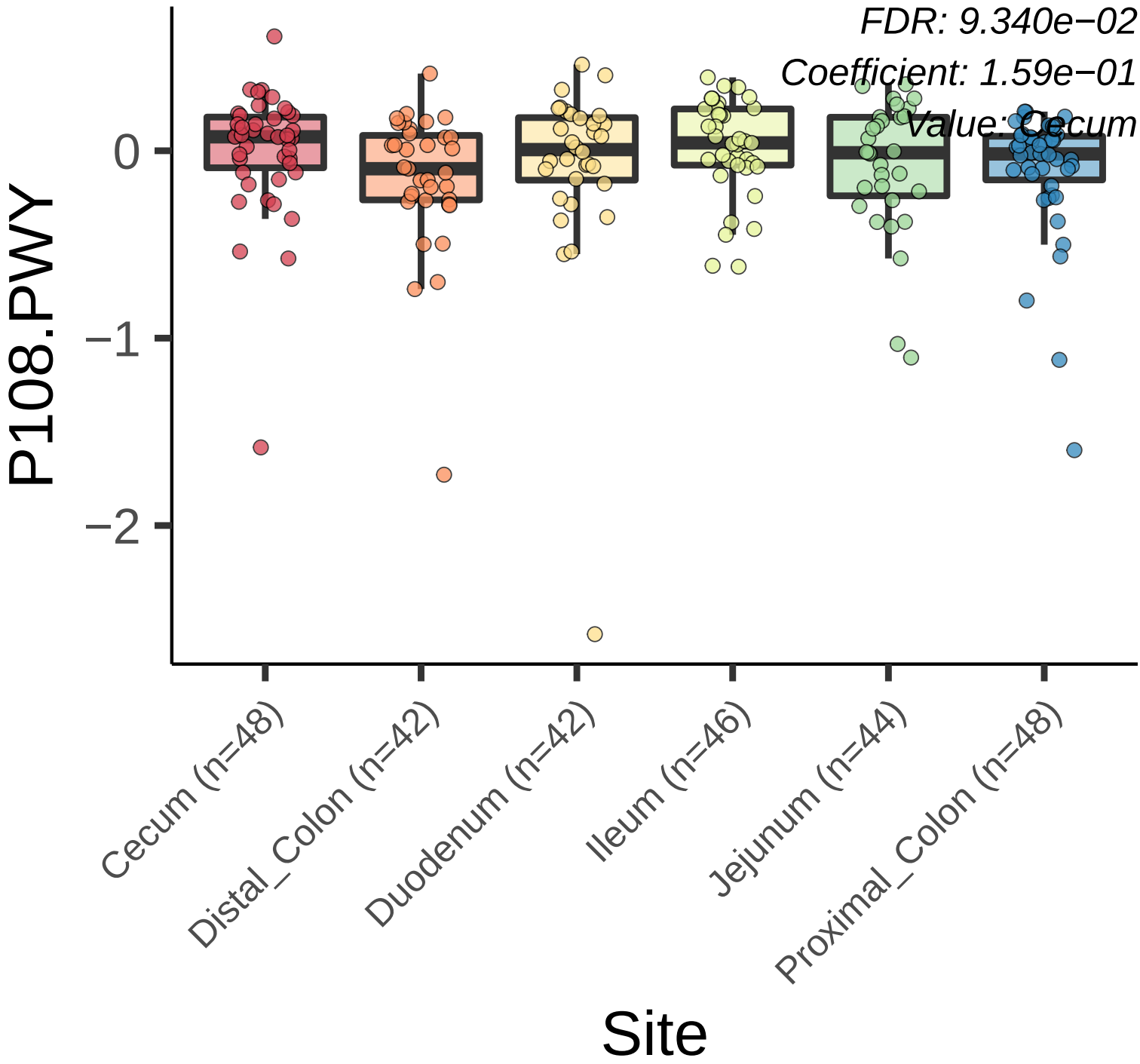

FDR: 8.794e−02
Coefficient: 1.61e−01
Value: Proximal_Colon
SALVADEHYPOX.PWY
0
−1
−2
−3
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

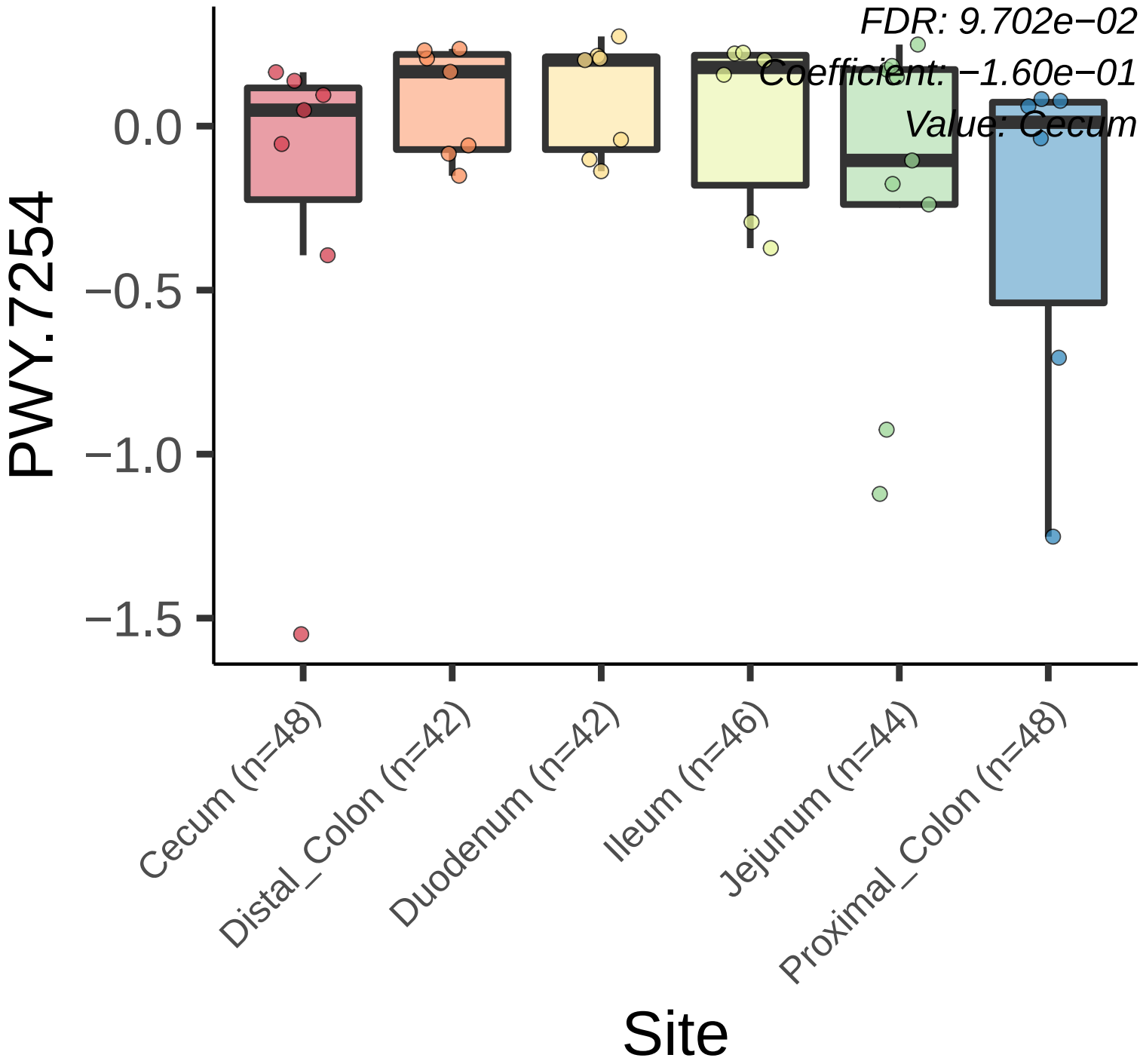

FDR: 8.918e−02
Coefficient: 6.45e−02
Value: Jejunum
PWY.7539
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

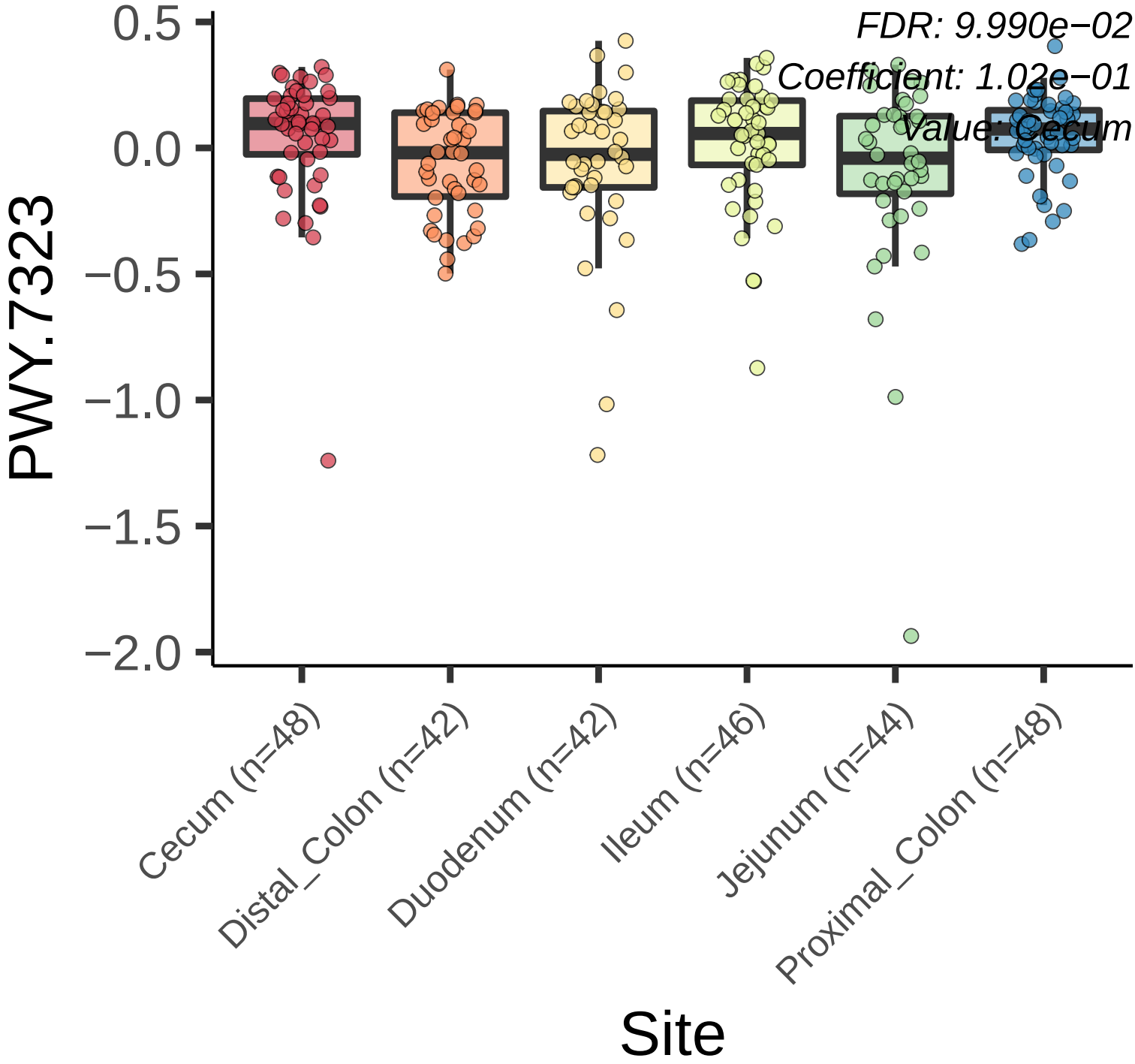

FDR: 8.946e−02
Coefficient: 2.17e−01
Value: Duodenum
NAGLIPASYN.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

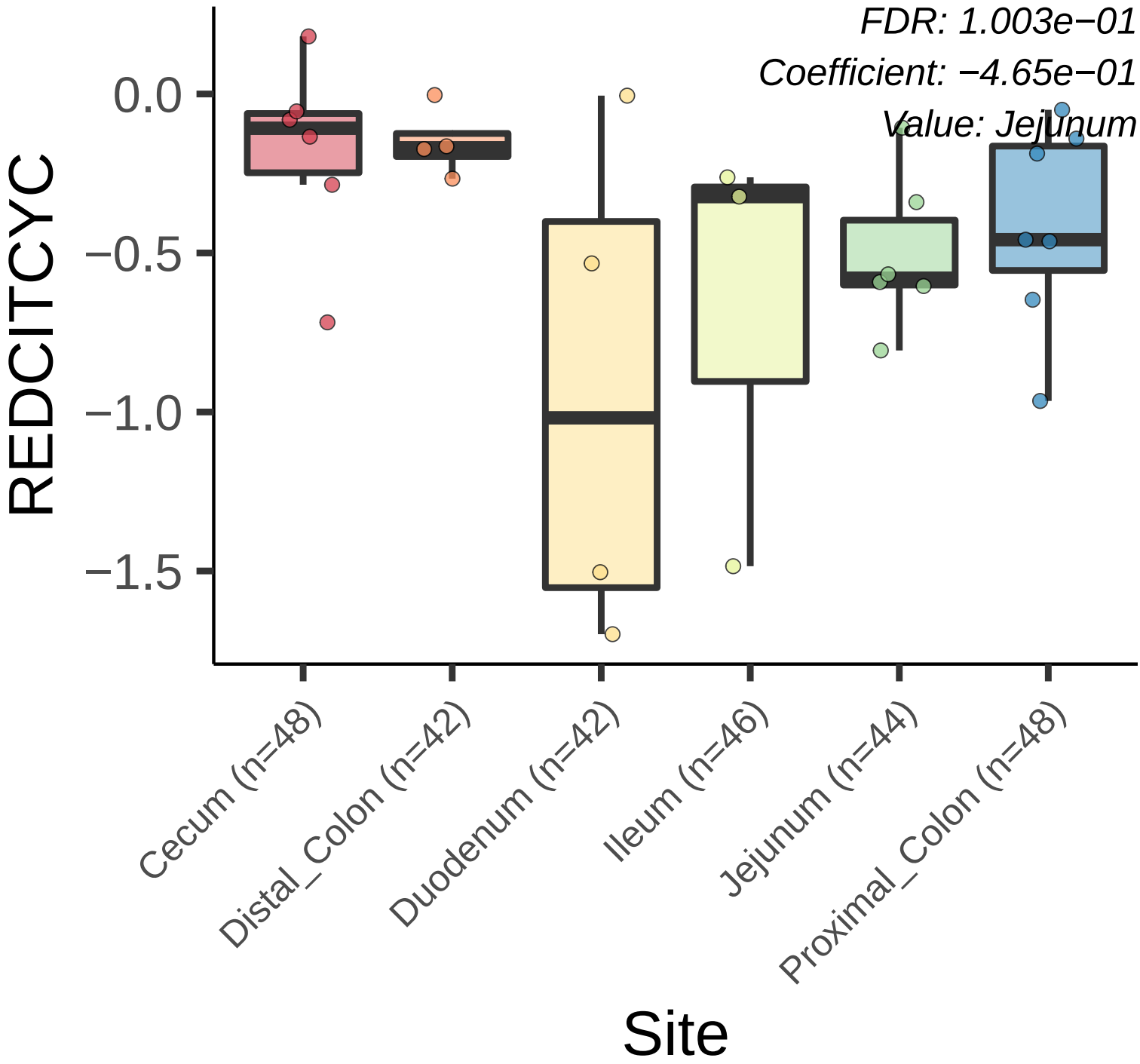

FDR: 9.228e−02
Coefficient: 1.82e−01
Value: Cecum
PWY.6467
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

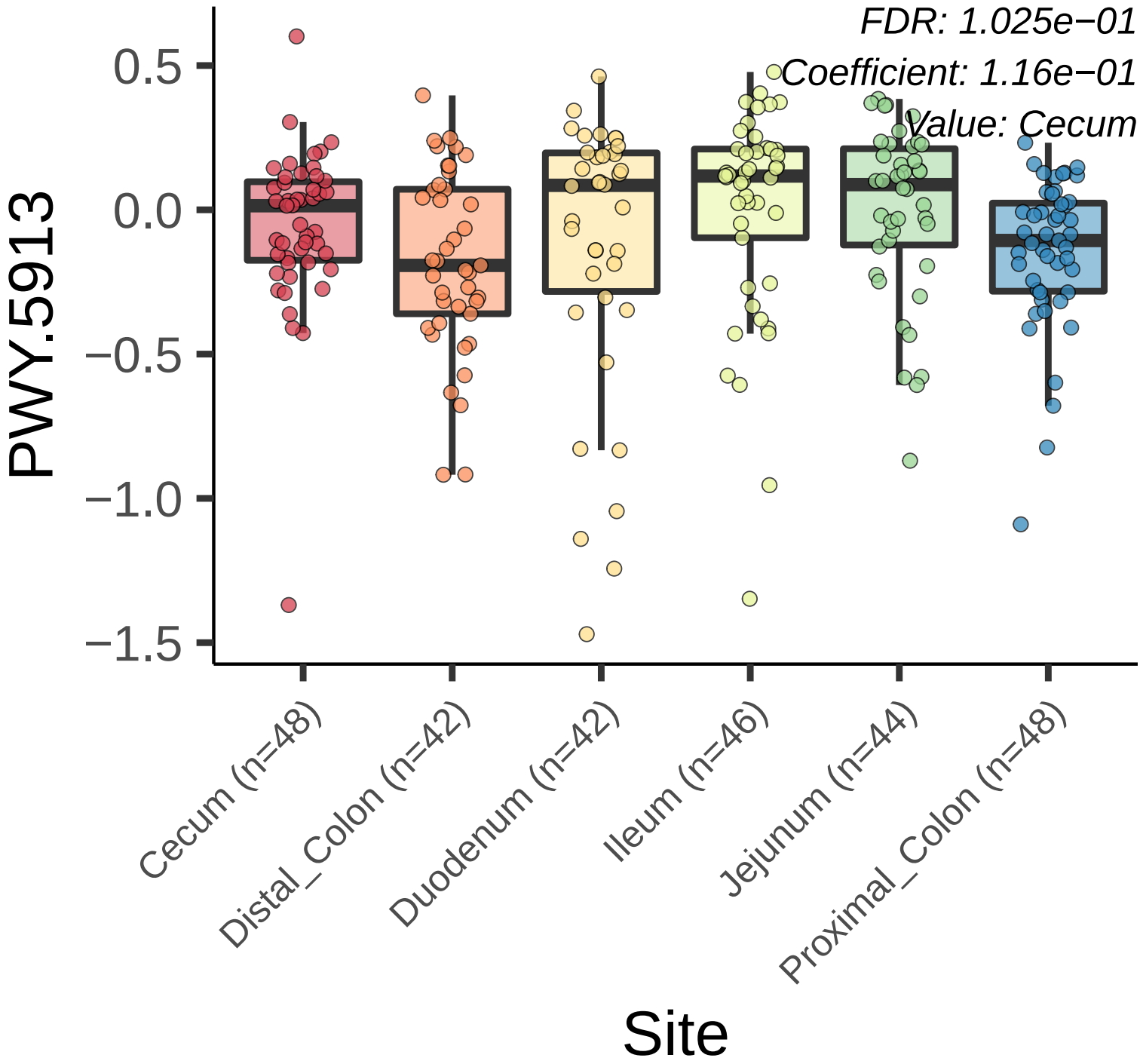

FDR: 9.321e−02
Coefficient: 9.59e−01
Value: Ileum
P562.PWY
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

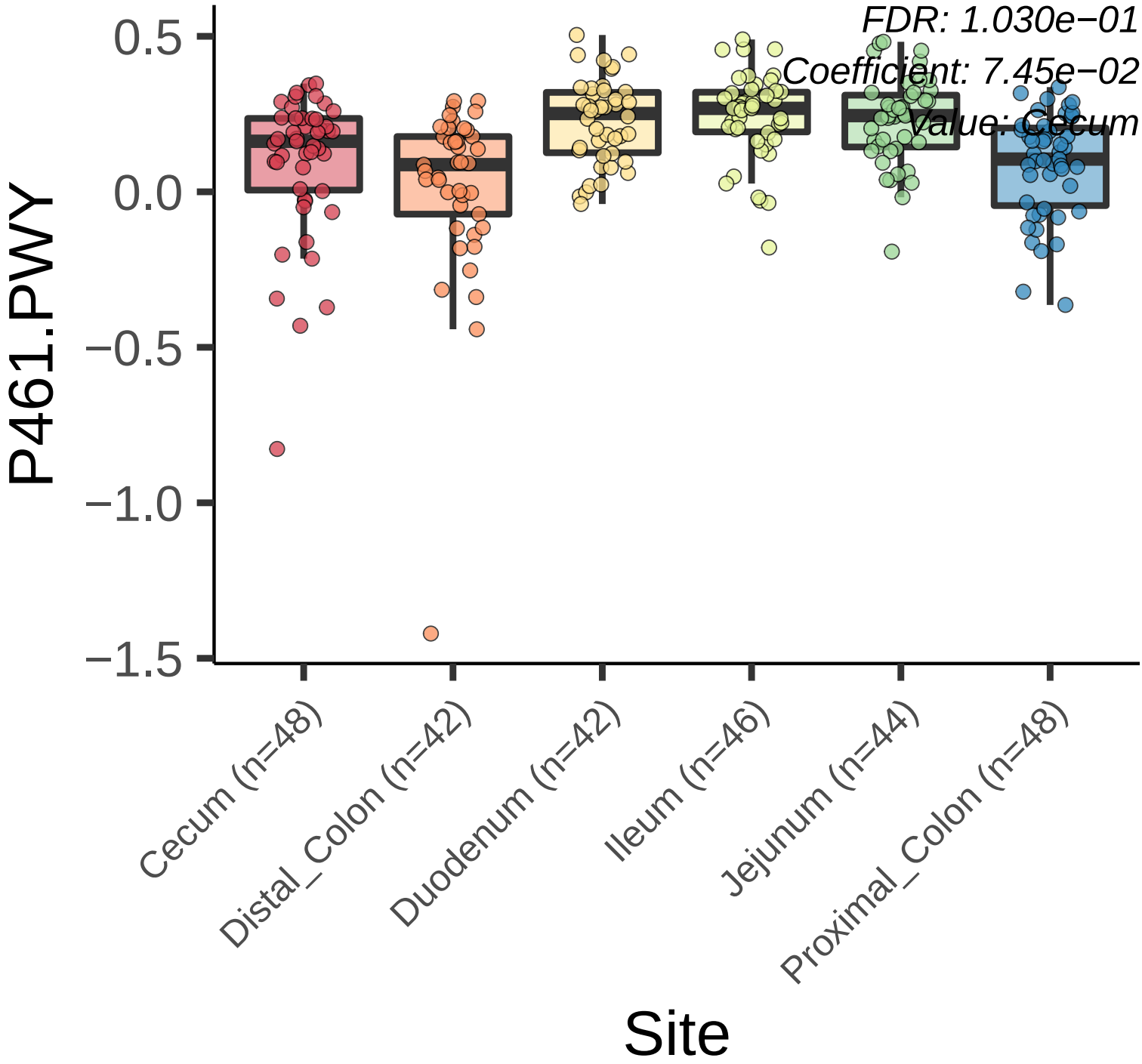

FDR: 9.340e−02
Coefficient: 1.59e−01
Value: Cecum
P108.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

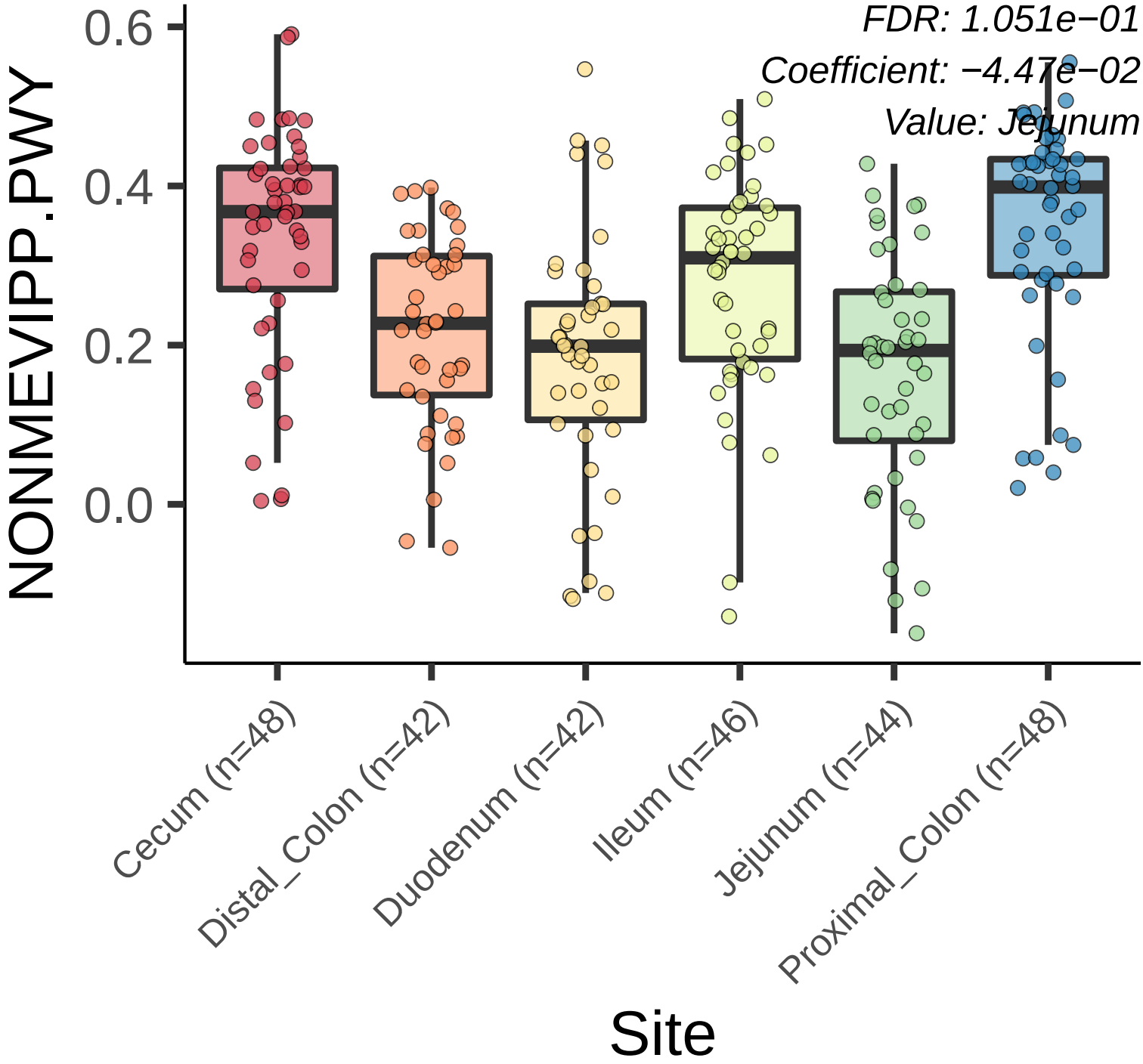

FDR: 9.702e−02
Coefficient: −1.60e−01
Value: Cecum
PWY.7254
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

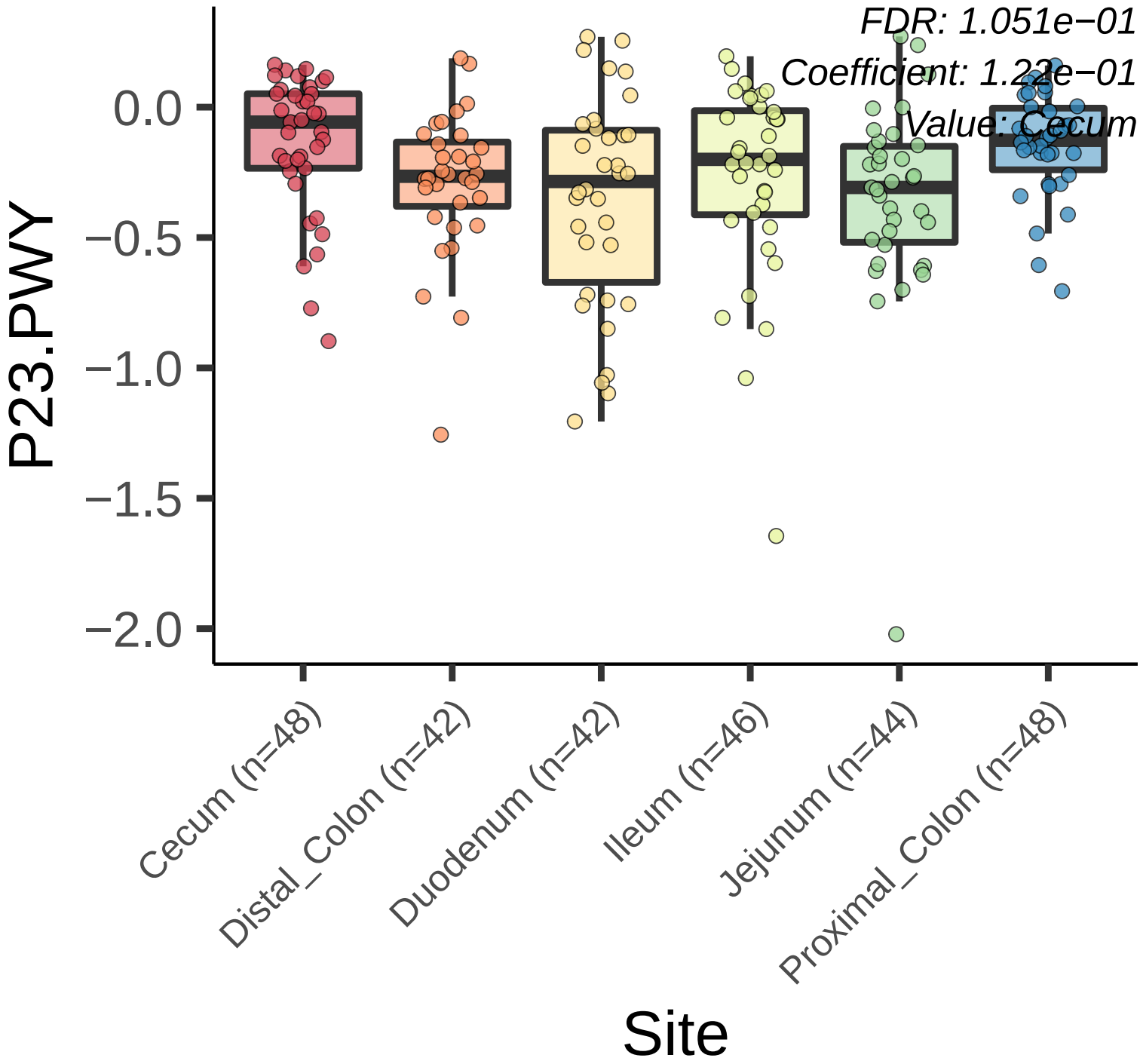

FDR: 9.990e−02
Coefficient: 1.02e−01
Value: Cecum
PWY.7323
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

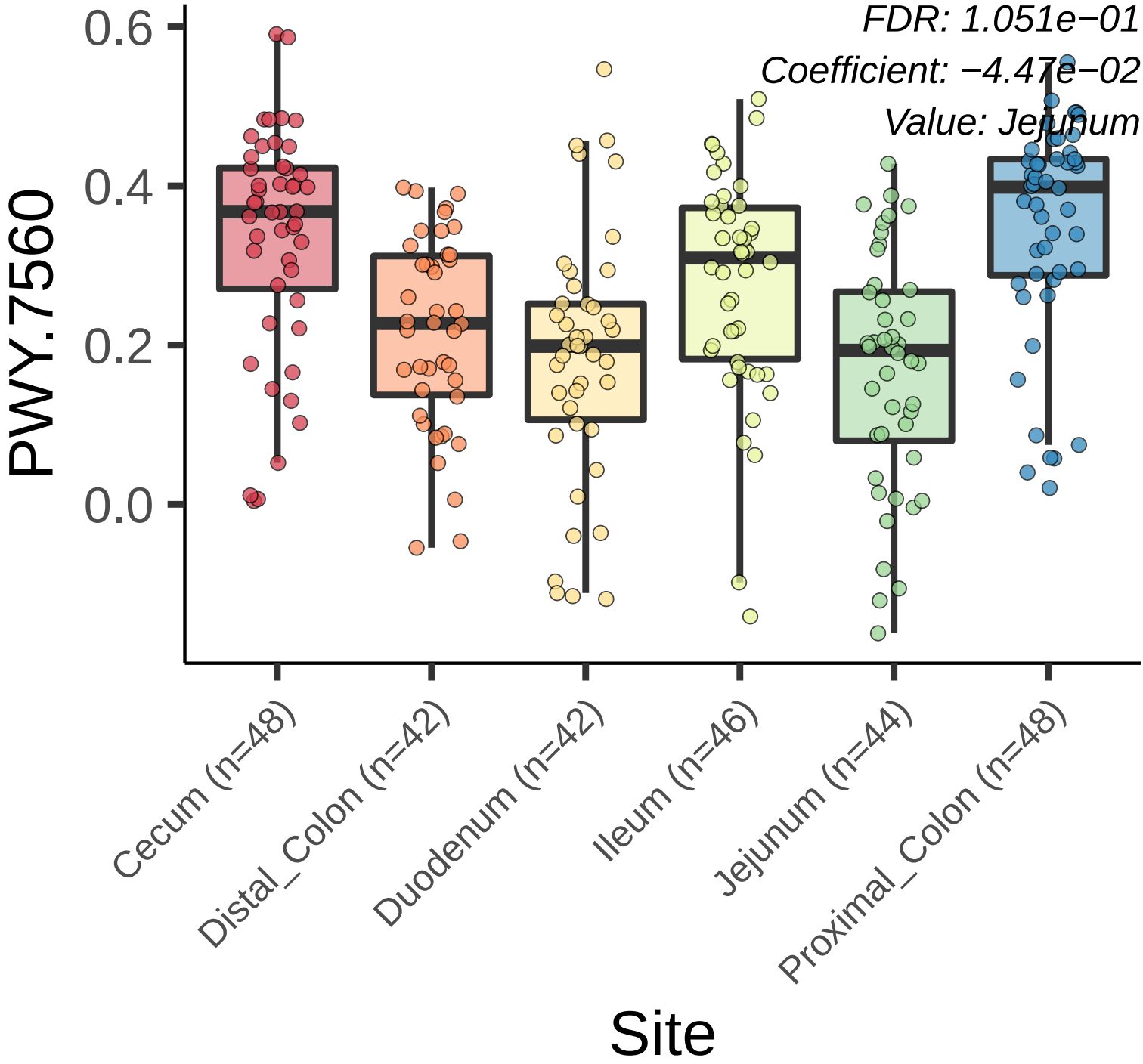

FDR: 1.003e−01
Coefficient: −4.65e−01
Value: Jejunum
REDCITCYC
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

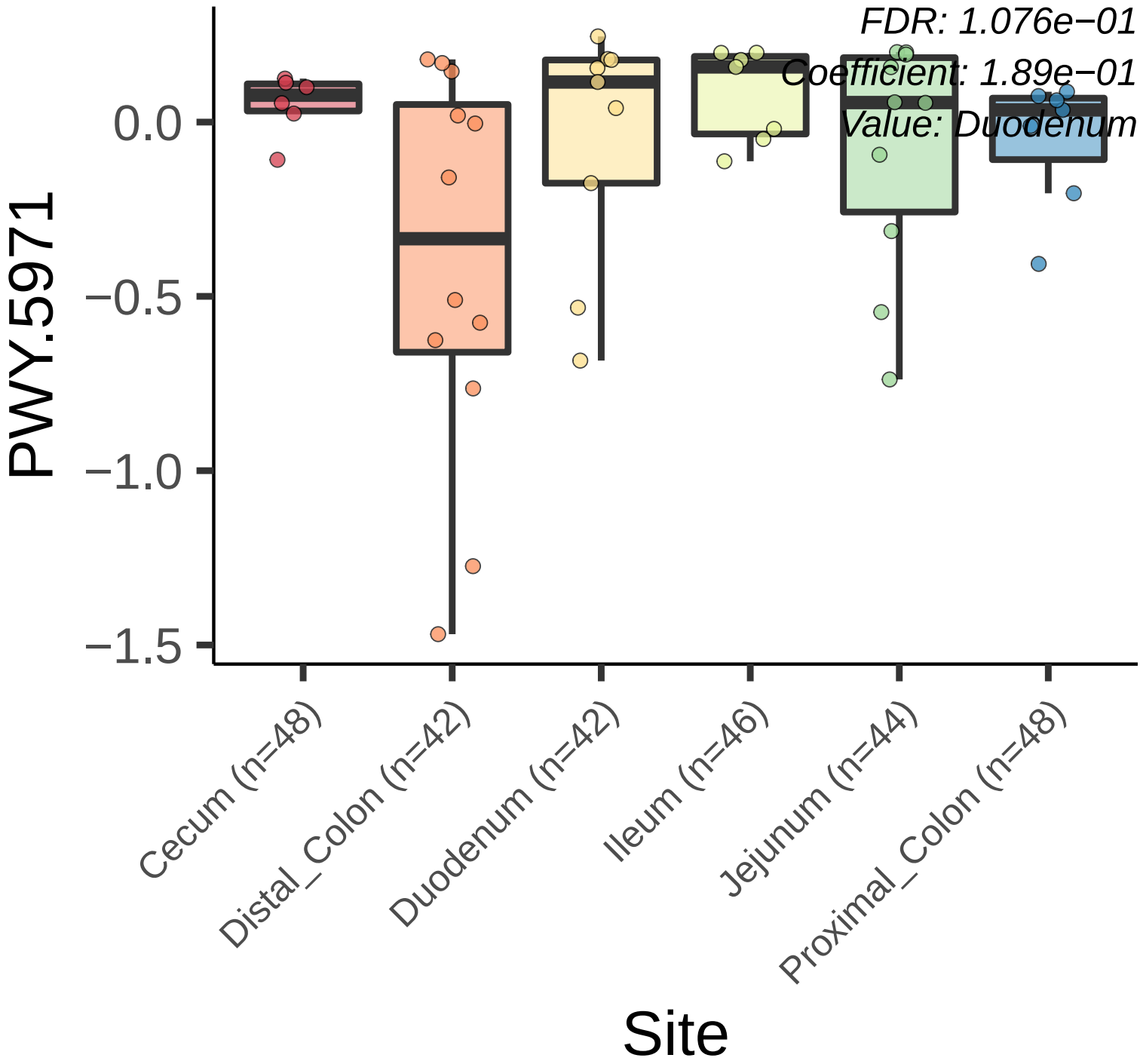

FDR: 1.025e−01
Coefficient: 1.16e−01
Value: Cecum
PWY.5913
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

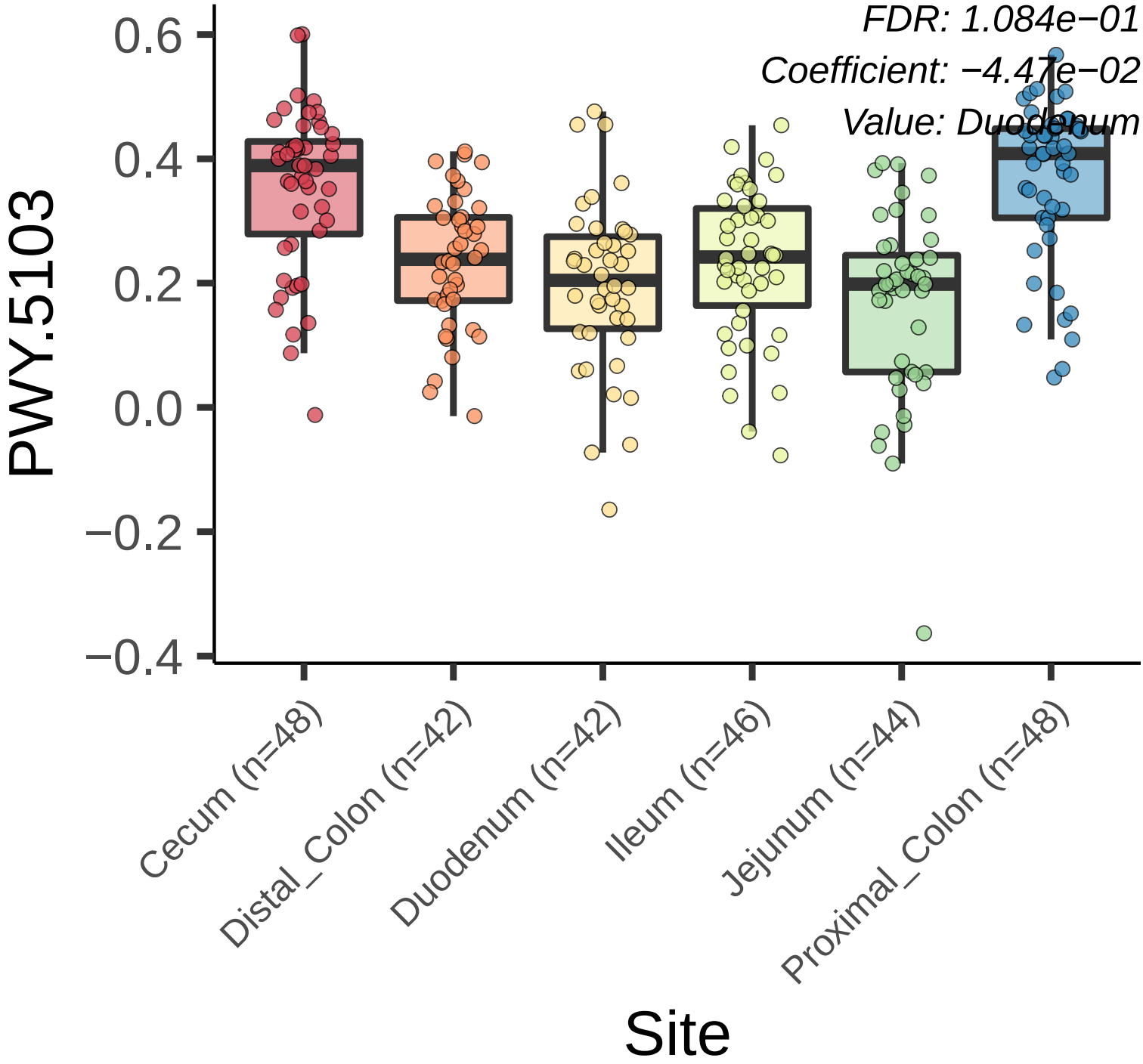

FDR: 1.030e−01
Coefficient: 7.45e−02
Value: Cecum
P461.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

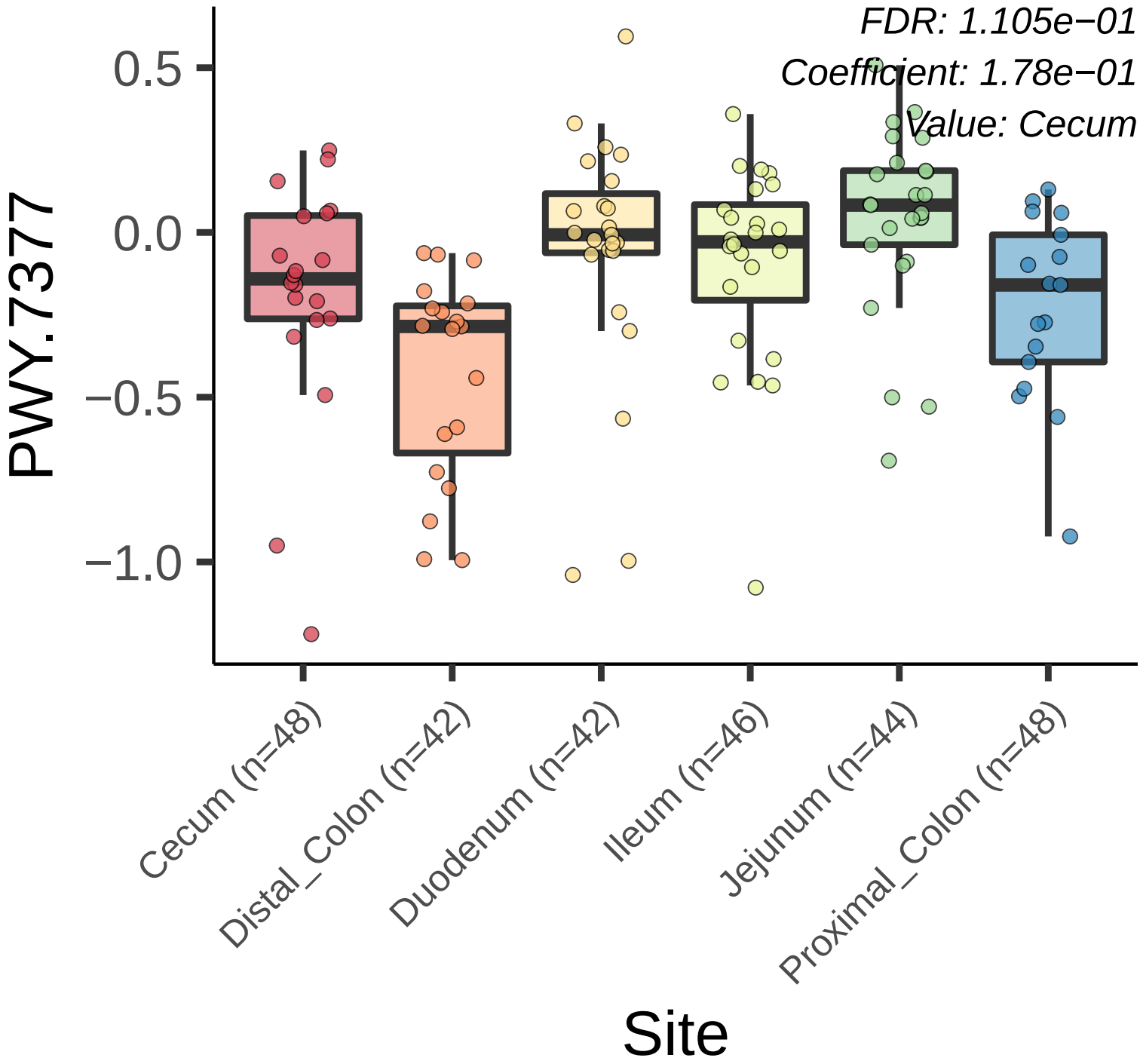

FDR: 1.051e−01
Coefficient: −4.47e−02
Value: Jejunum
NONMEVIPP.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

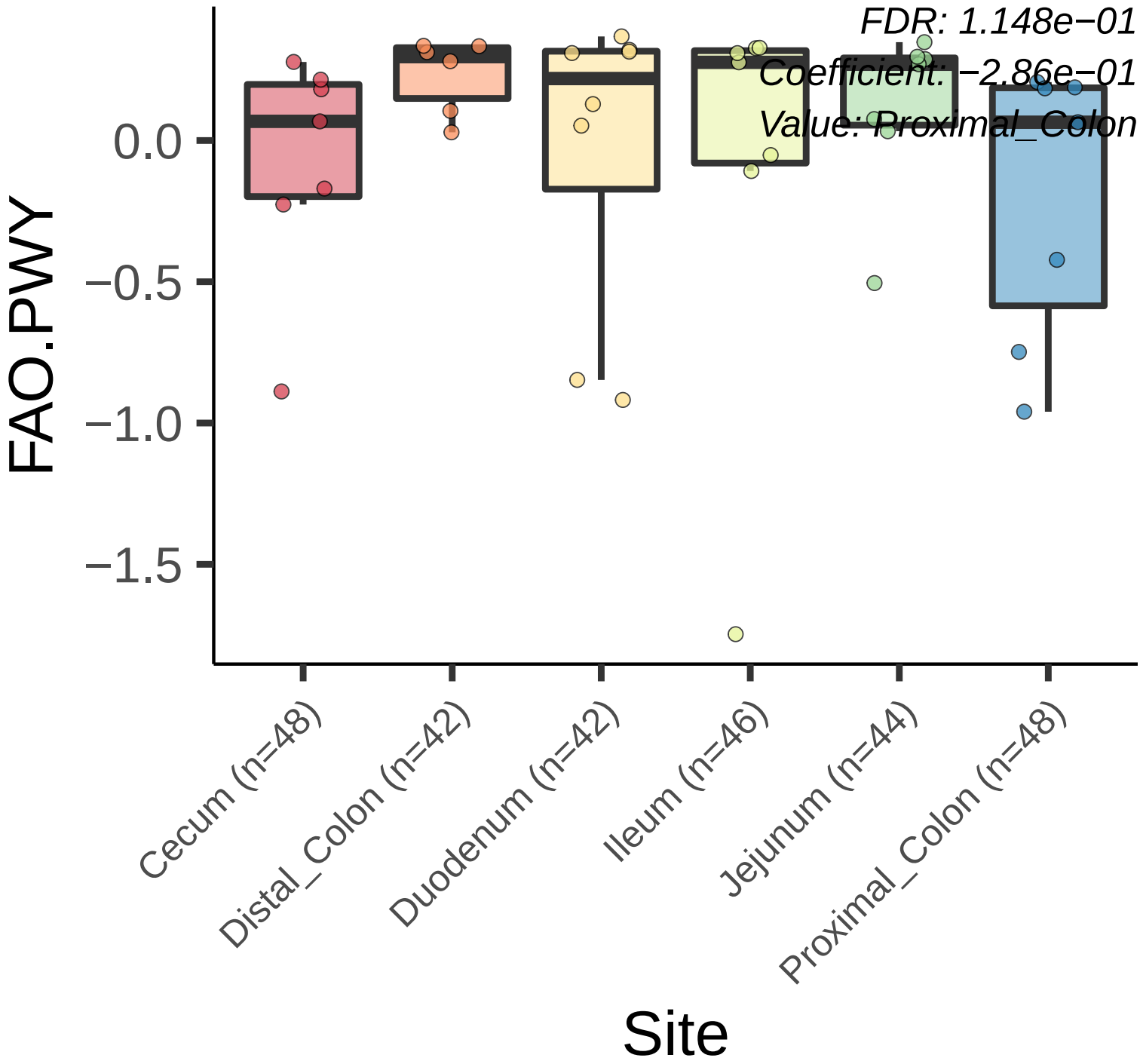

FDR: 1.051e−01
Coefficient: 1.22e−01
Value: Cecum
P23.PWY
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

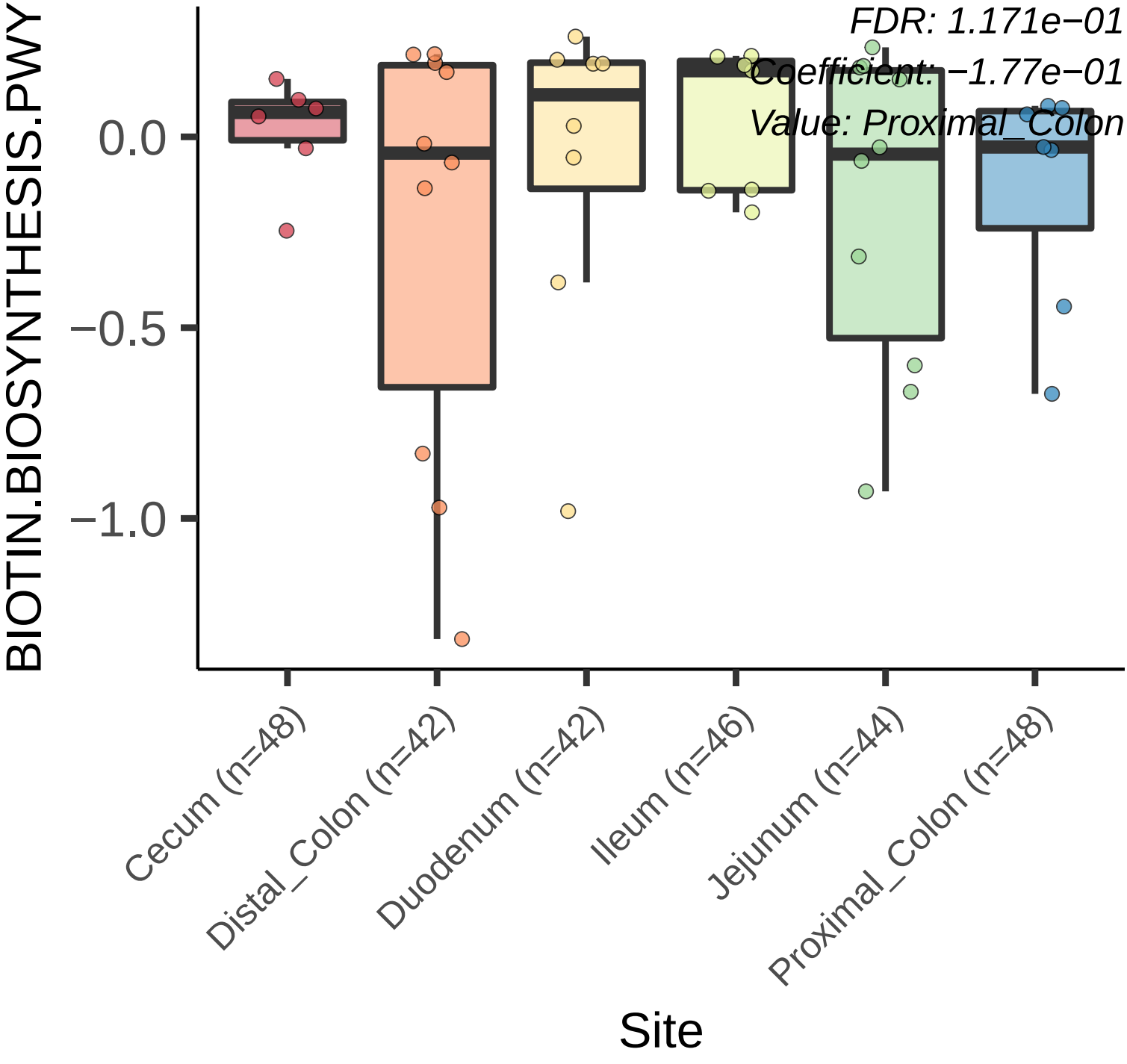

FDR: 1.051e−01
Coefficient: −4.47e−02
Value: Jejunum
PWY.7560
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

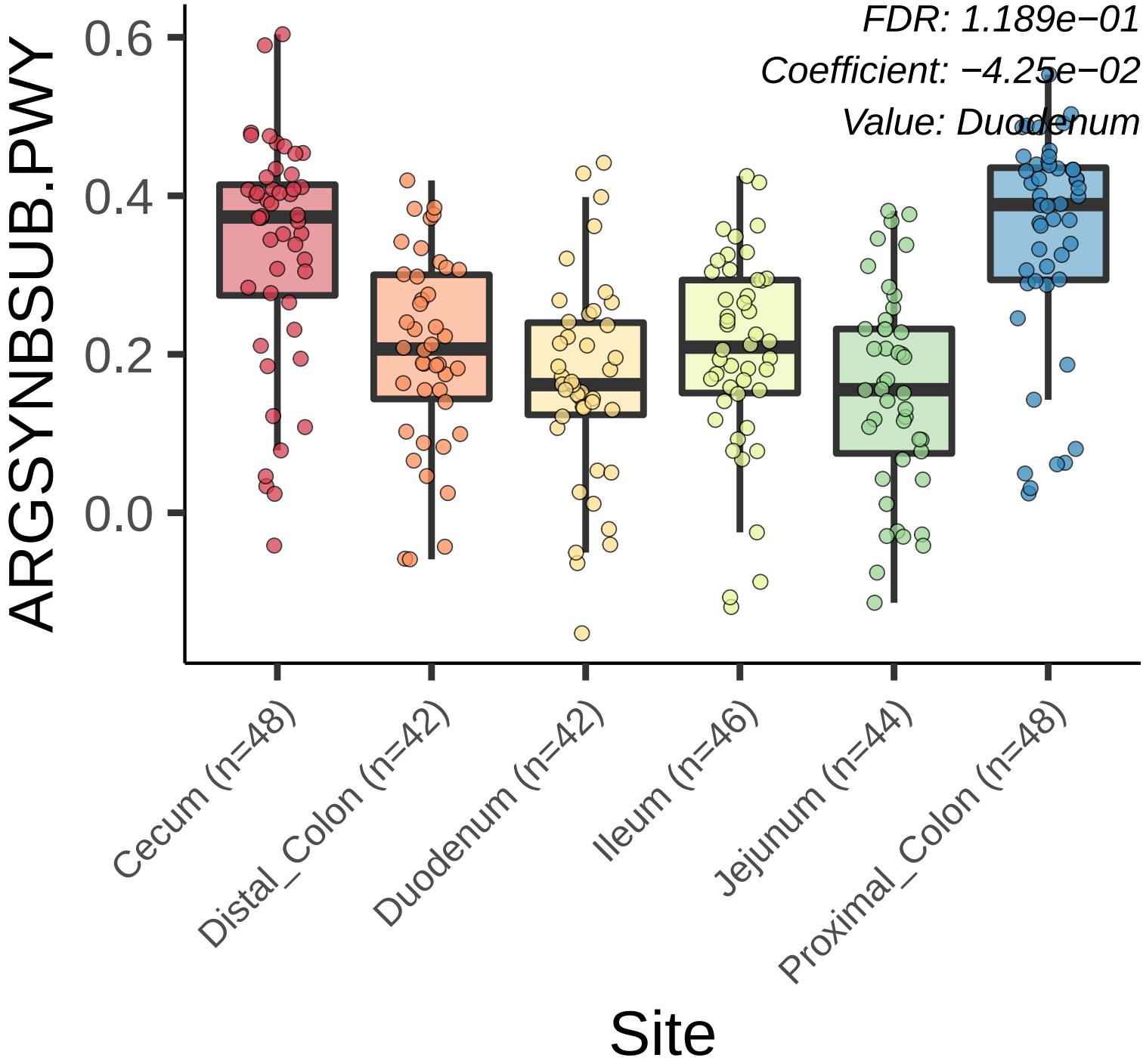

FDR: 1.076e−01
Coefficient: 1.89e−01
Value: Duodenum
PWY.5971
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

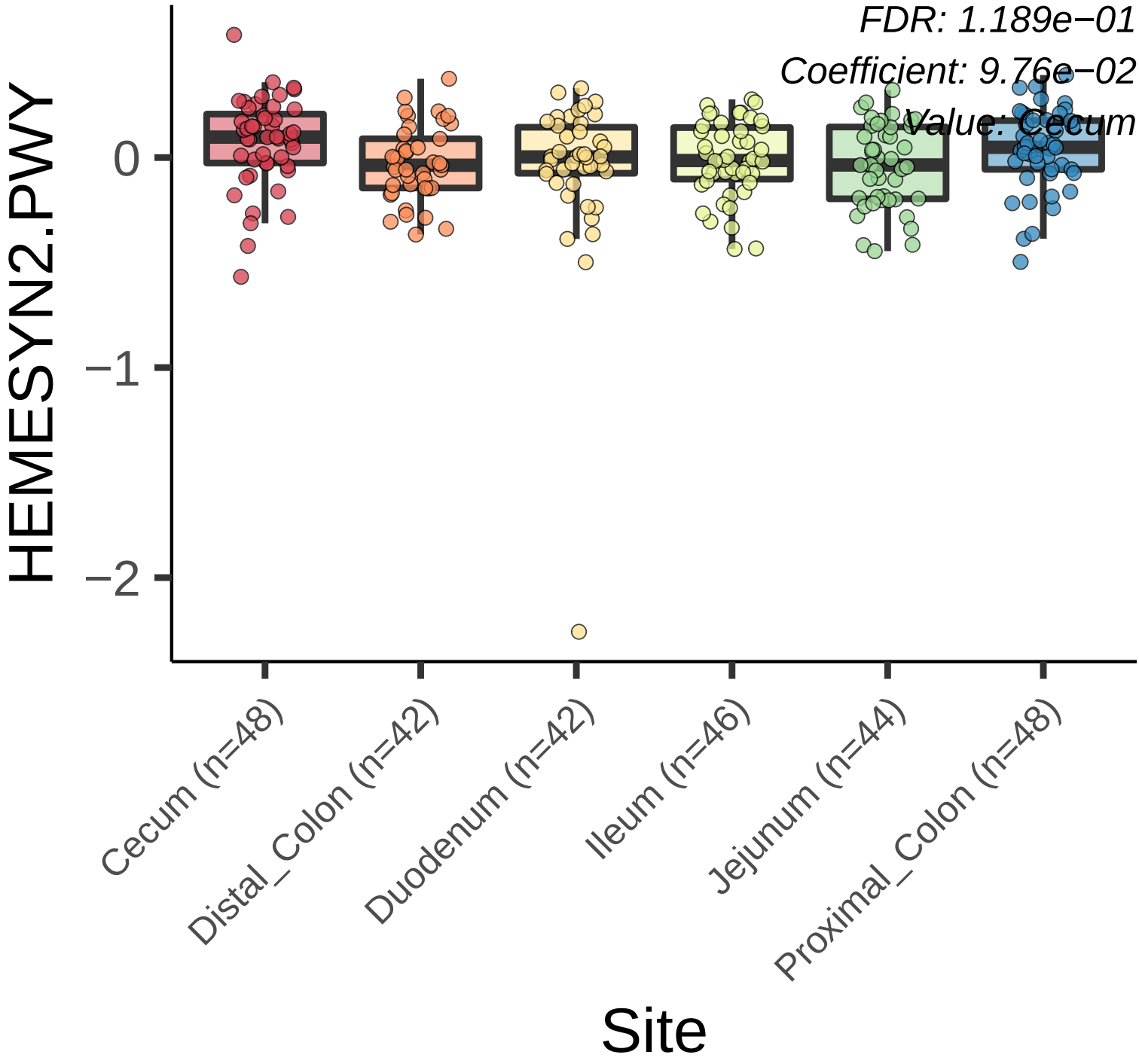

FDR: 1.084e−01
Coefficient: −4.47e−02
Value: Duodenum
PWY.5103
0.6
0.4
0.2
0.0
−0.2
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

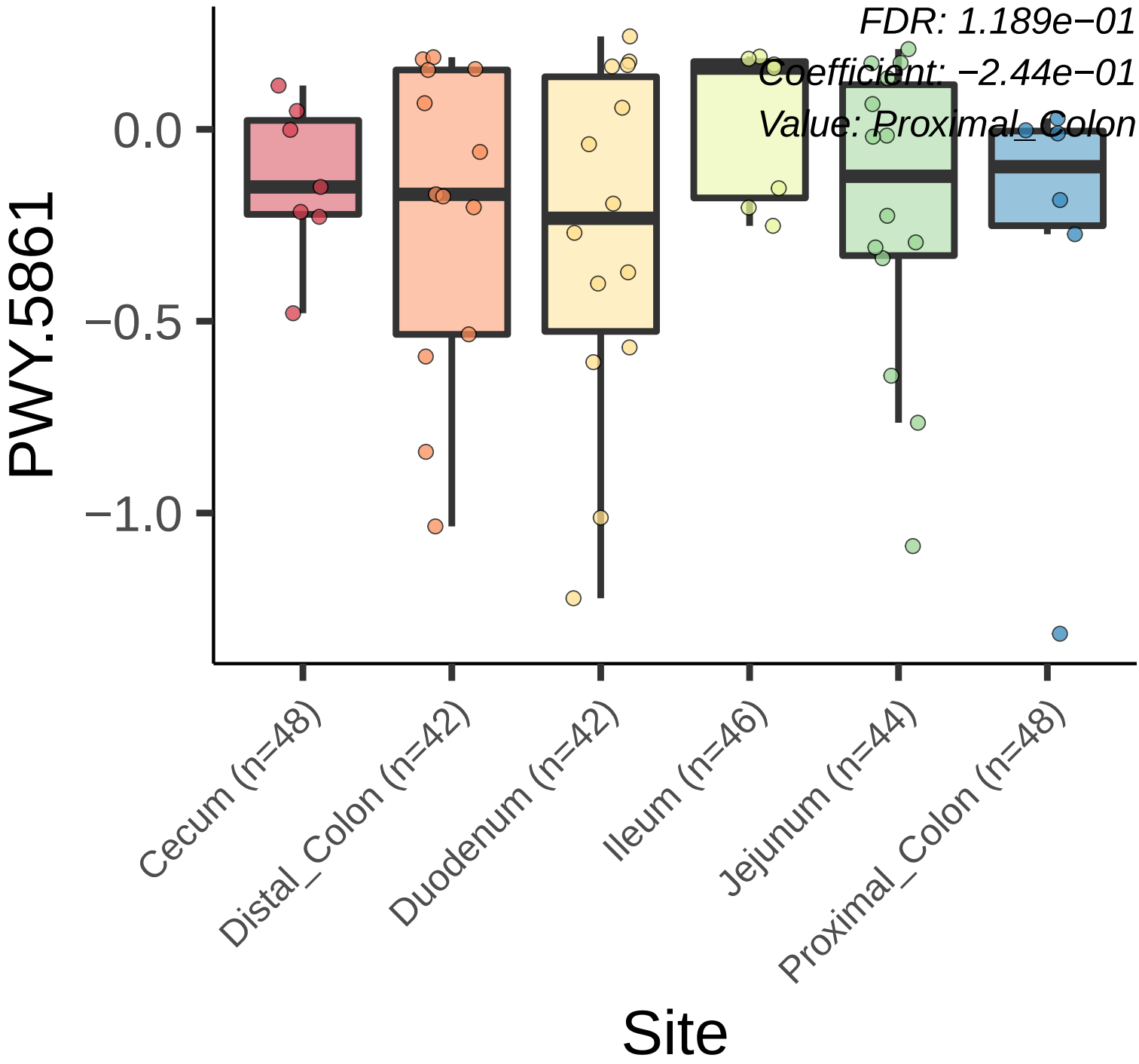

FDR: 1.105e−01
Coefficient: 1.78e−01
Value: Cecum
PWY.7377
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

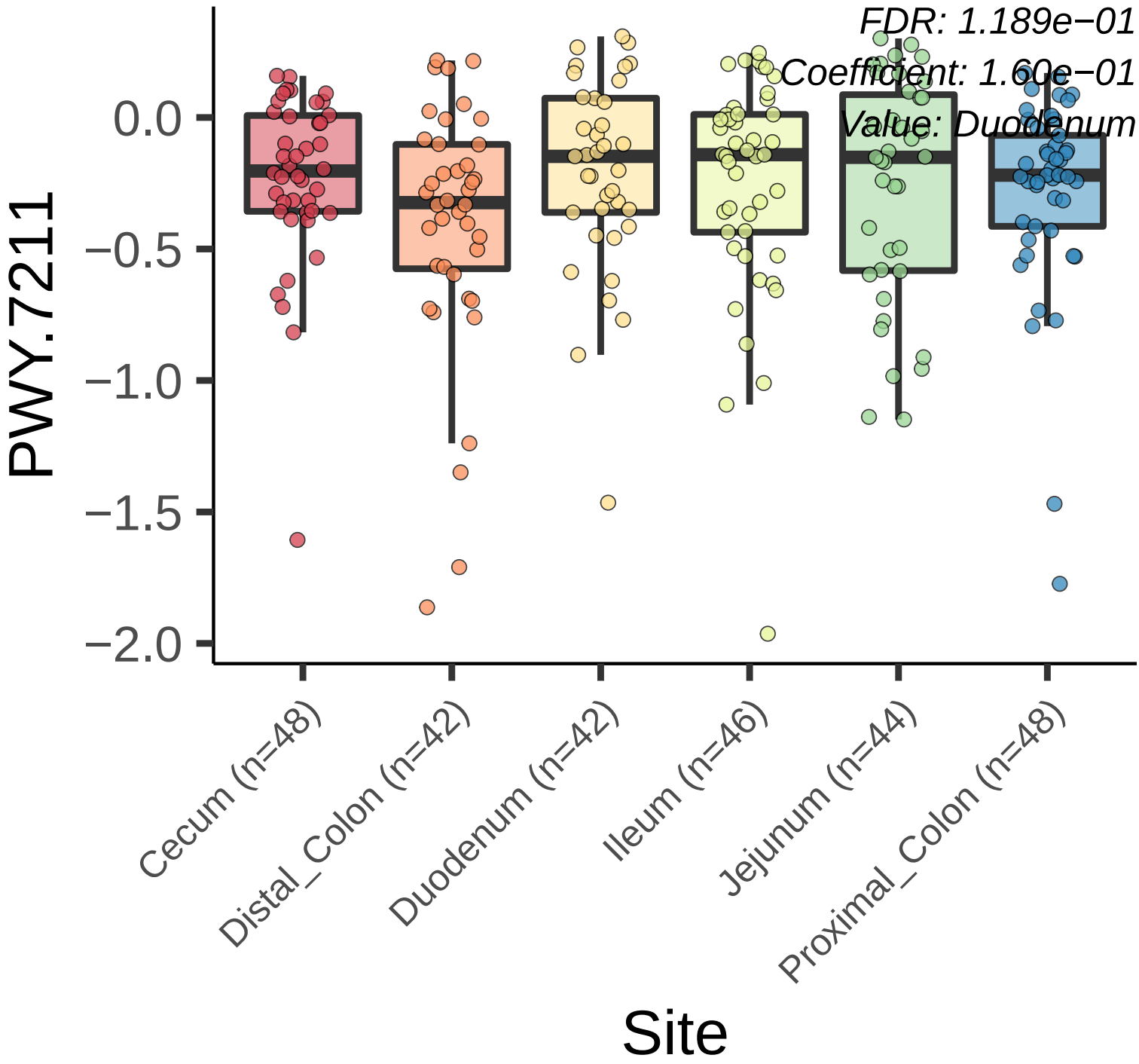

FDR: 1.148e−01
Coefficient: −2.86e−01
Value: Proximal_Colon
FAO.PWY
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

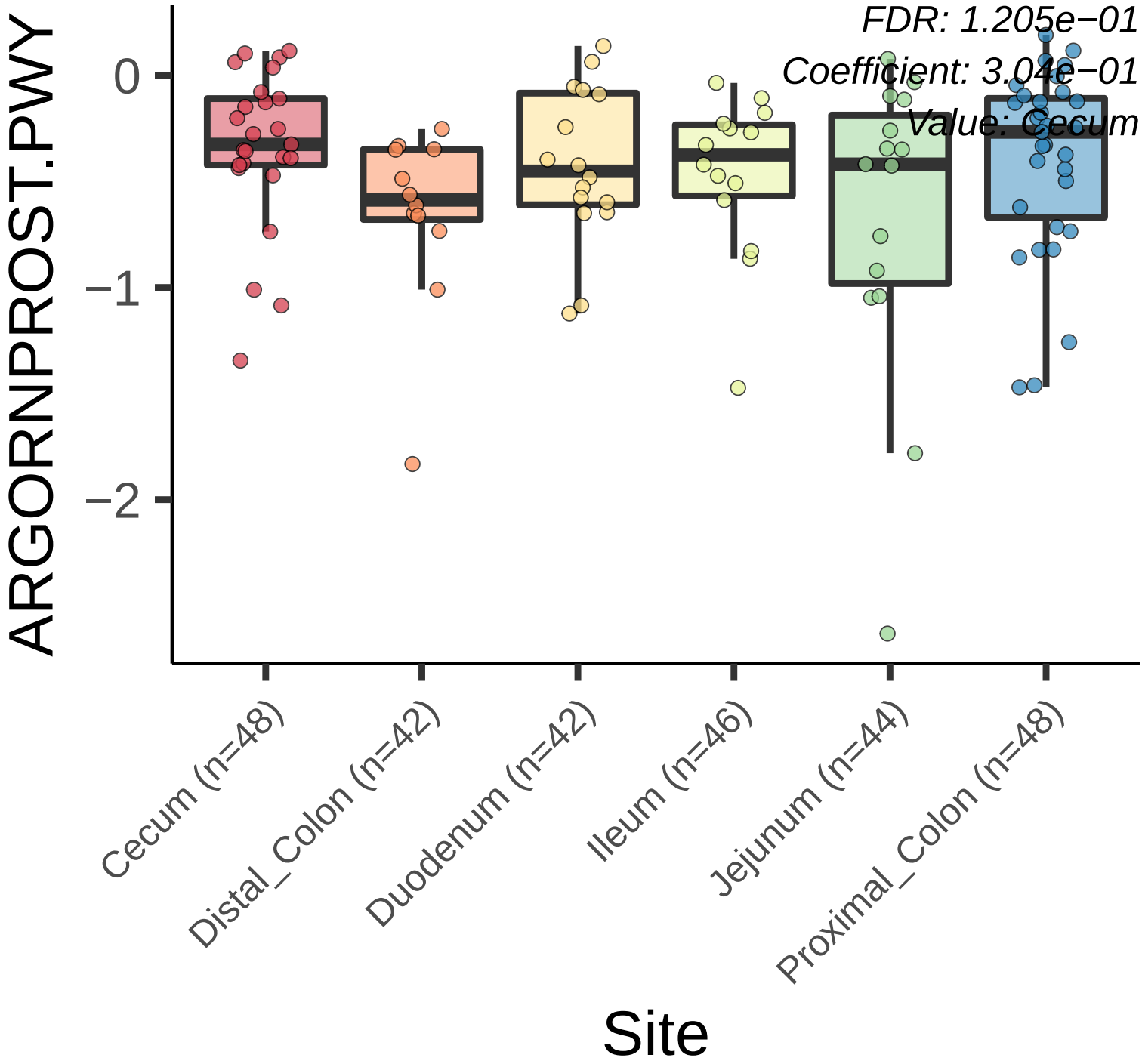

FDR: 1.171e−01
Coefficient: −1.77e−01
Value: Proximal_Colon
BIOTIN.BIOSYNTHESIS.PWY
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

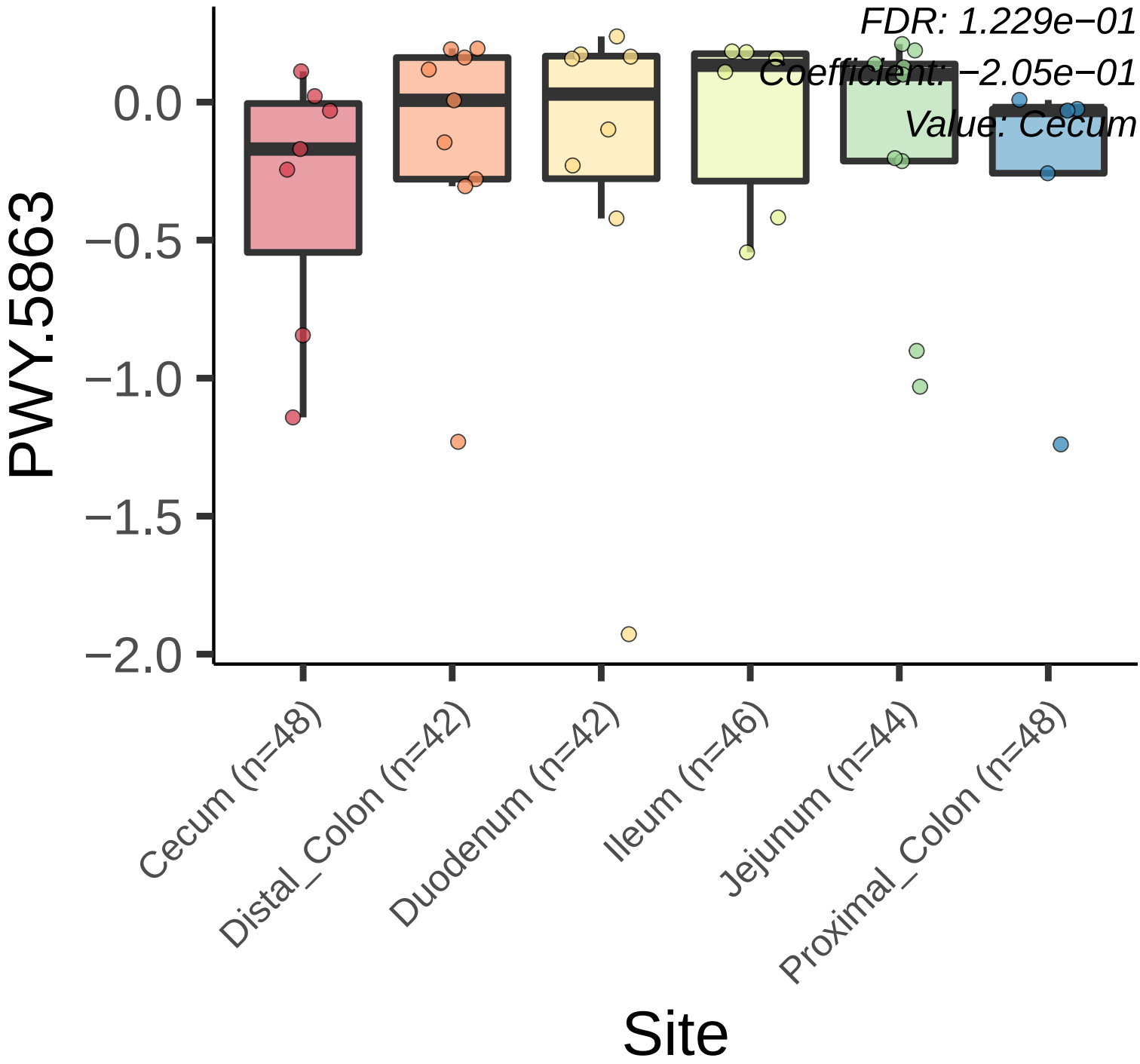

FDR: 1.189e−01
Coefficient: −4.25e−02
Value: Duodenum
ARGSYNBSUB.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

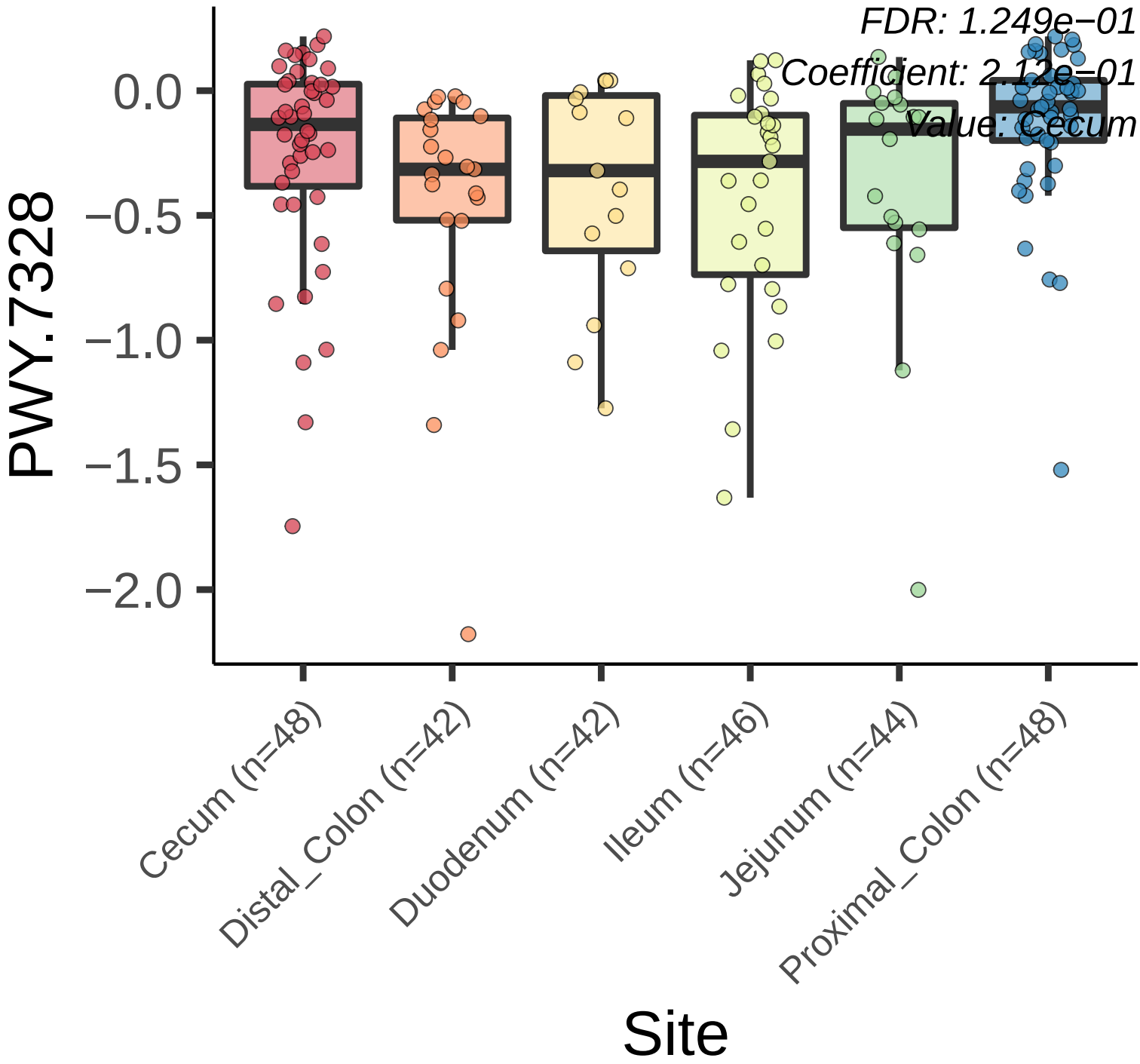

FDR: 1.189e−01
Coefficient: 9.76e−02
Value: Cecum
HEMESYN2.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

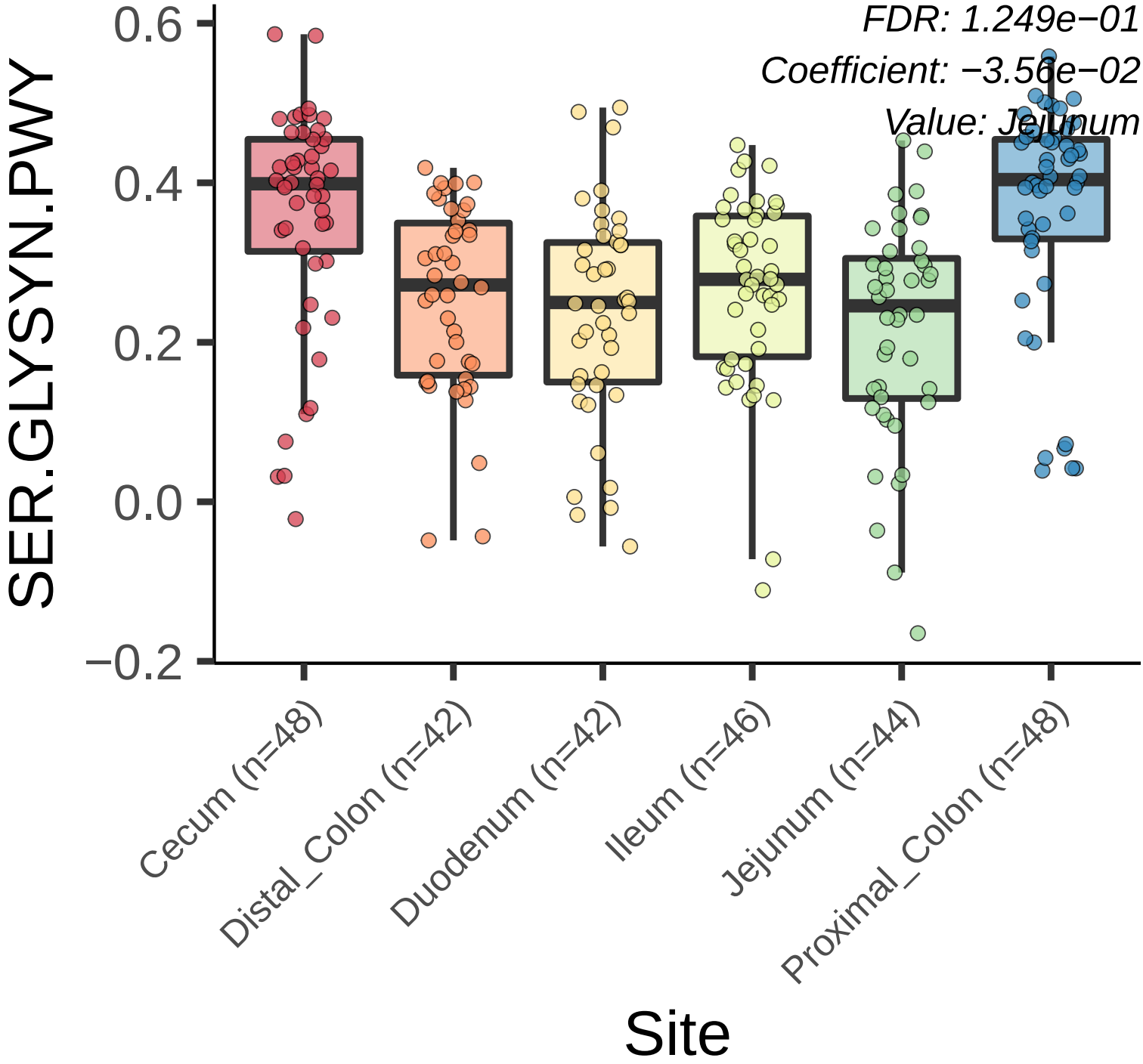

FDR: 1.189e−01
Coefficient: −2.44e−01
Value: Proximal_Colon
PWY.5861
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

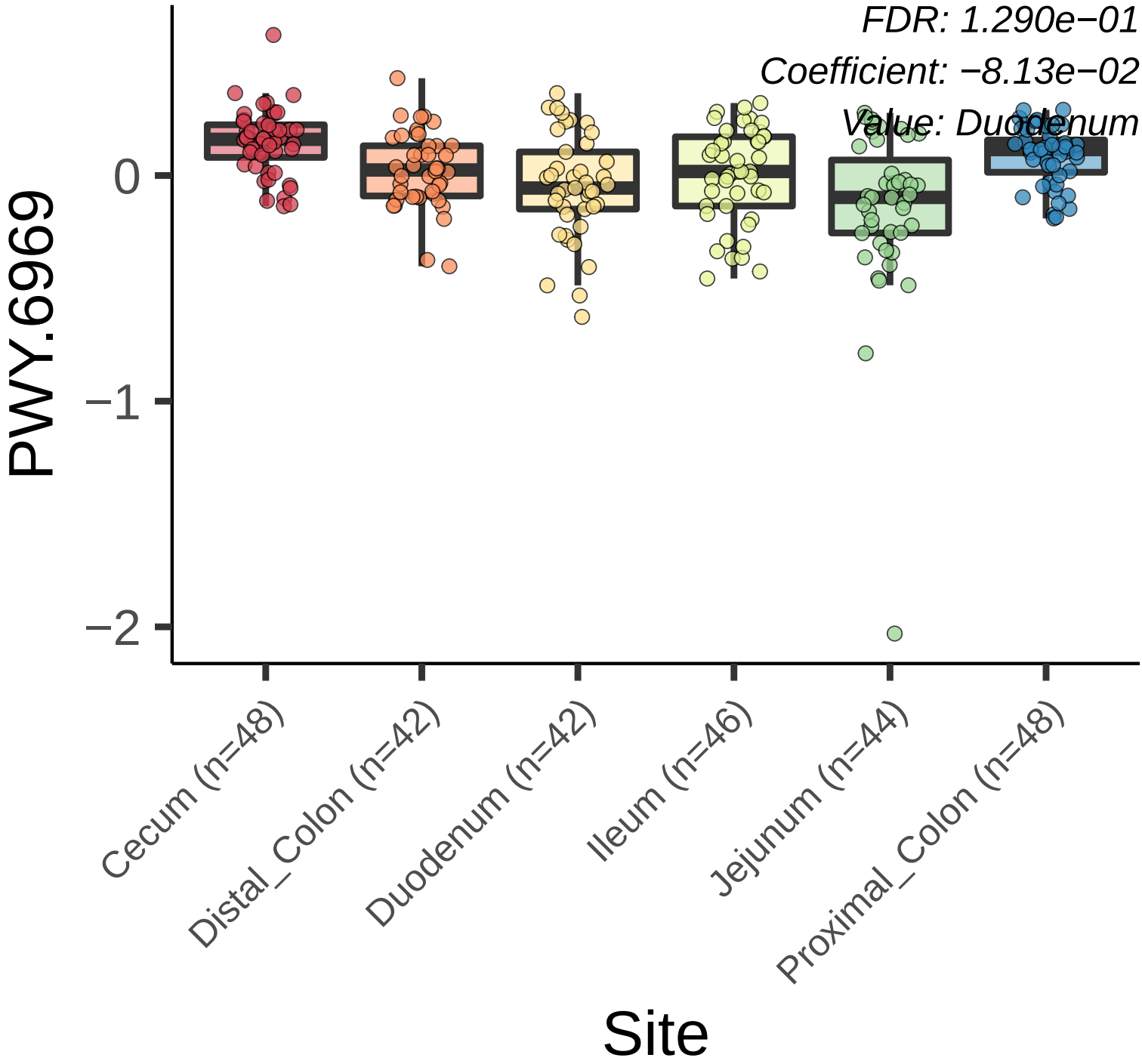

FDR: 1.189e−01
Coefficient: 1.60e−01
Value: Duodenum
PWY.7211
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

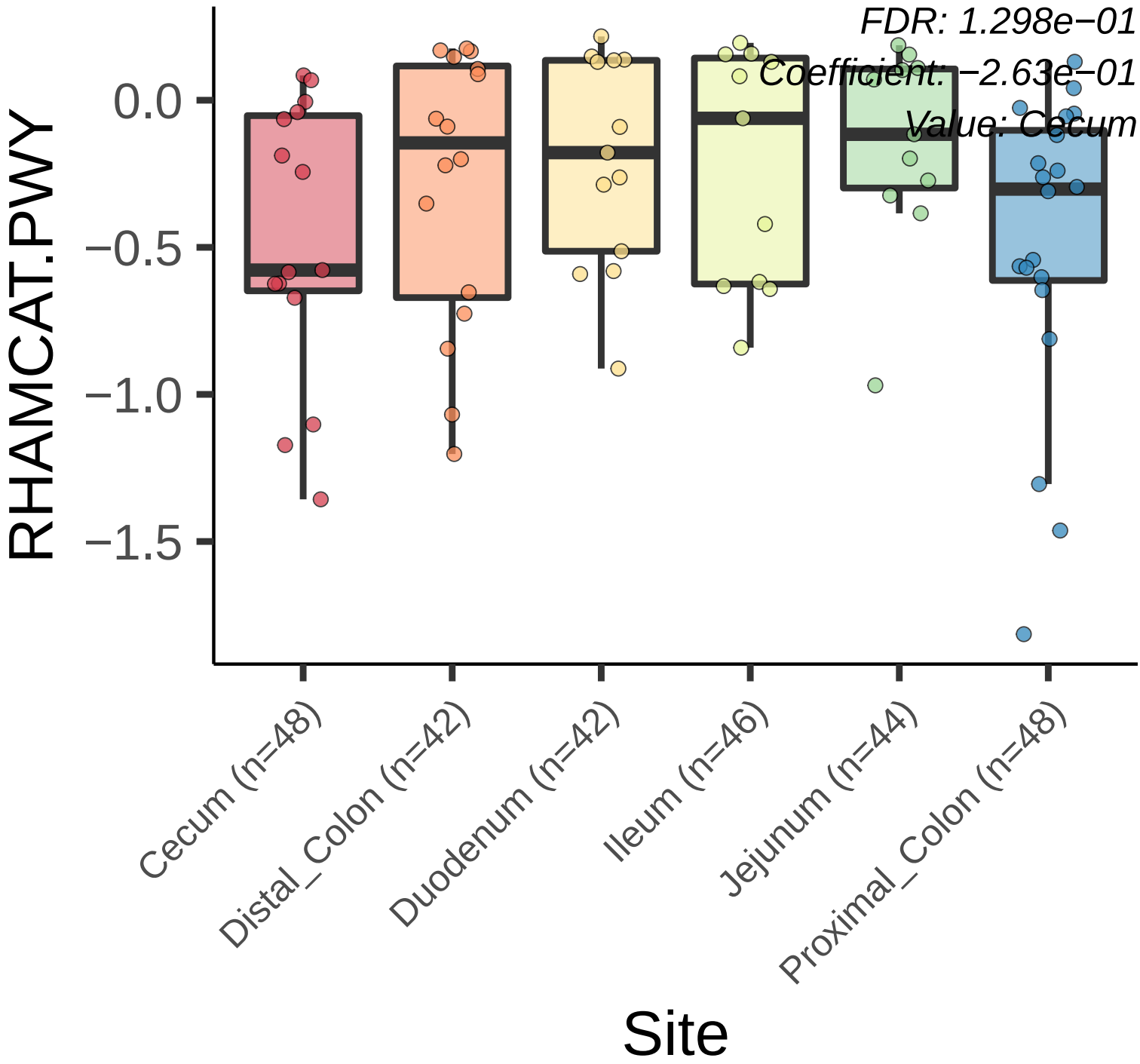

FDR: 1.205e−01
Coefficient: 3.04e−01
Value: Cecum
ARGORNPROST.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

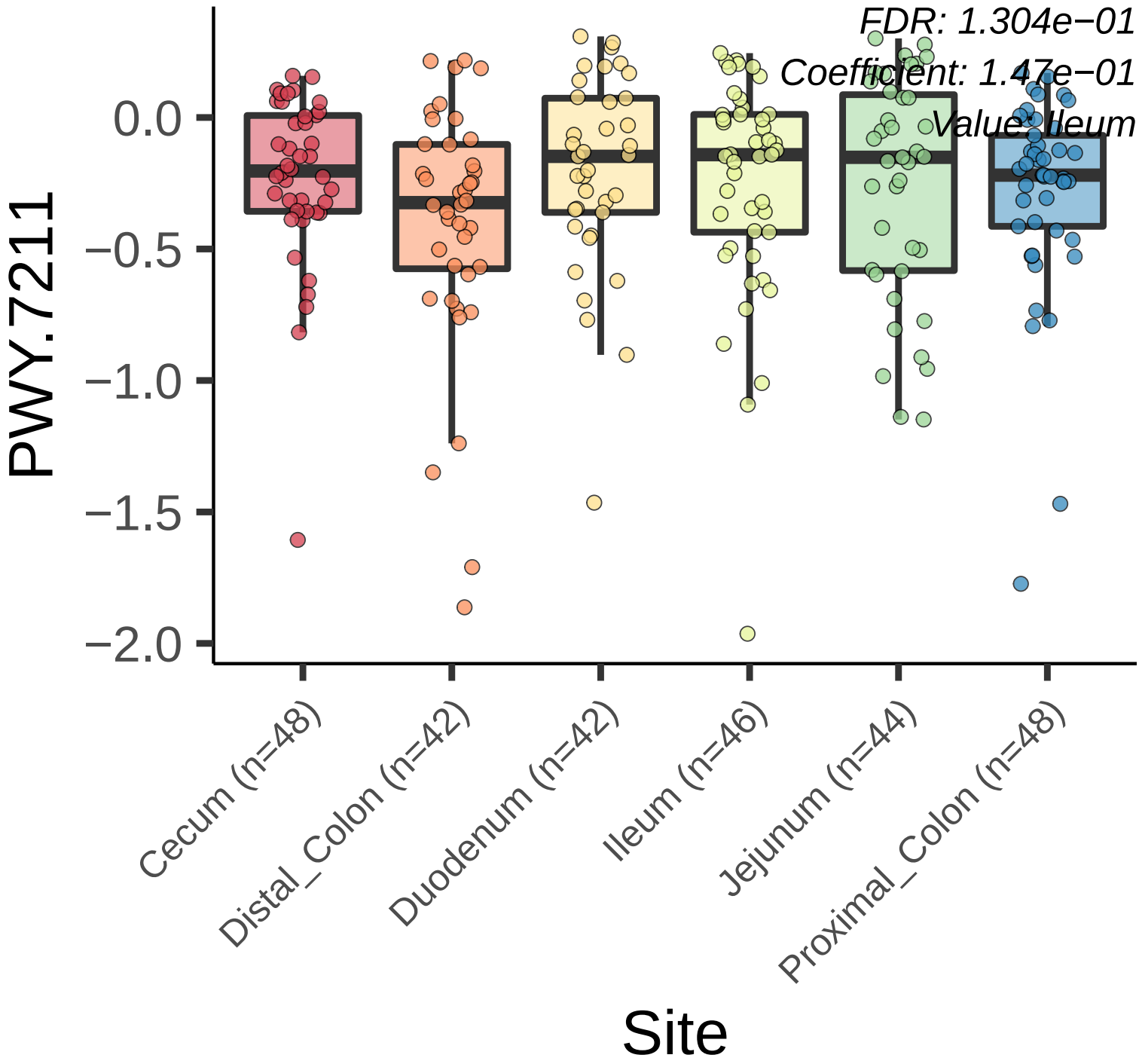

FDR: 1.229e−01
Coefficient: −2.05e−01
Value: Cecum
PWY.5863
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

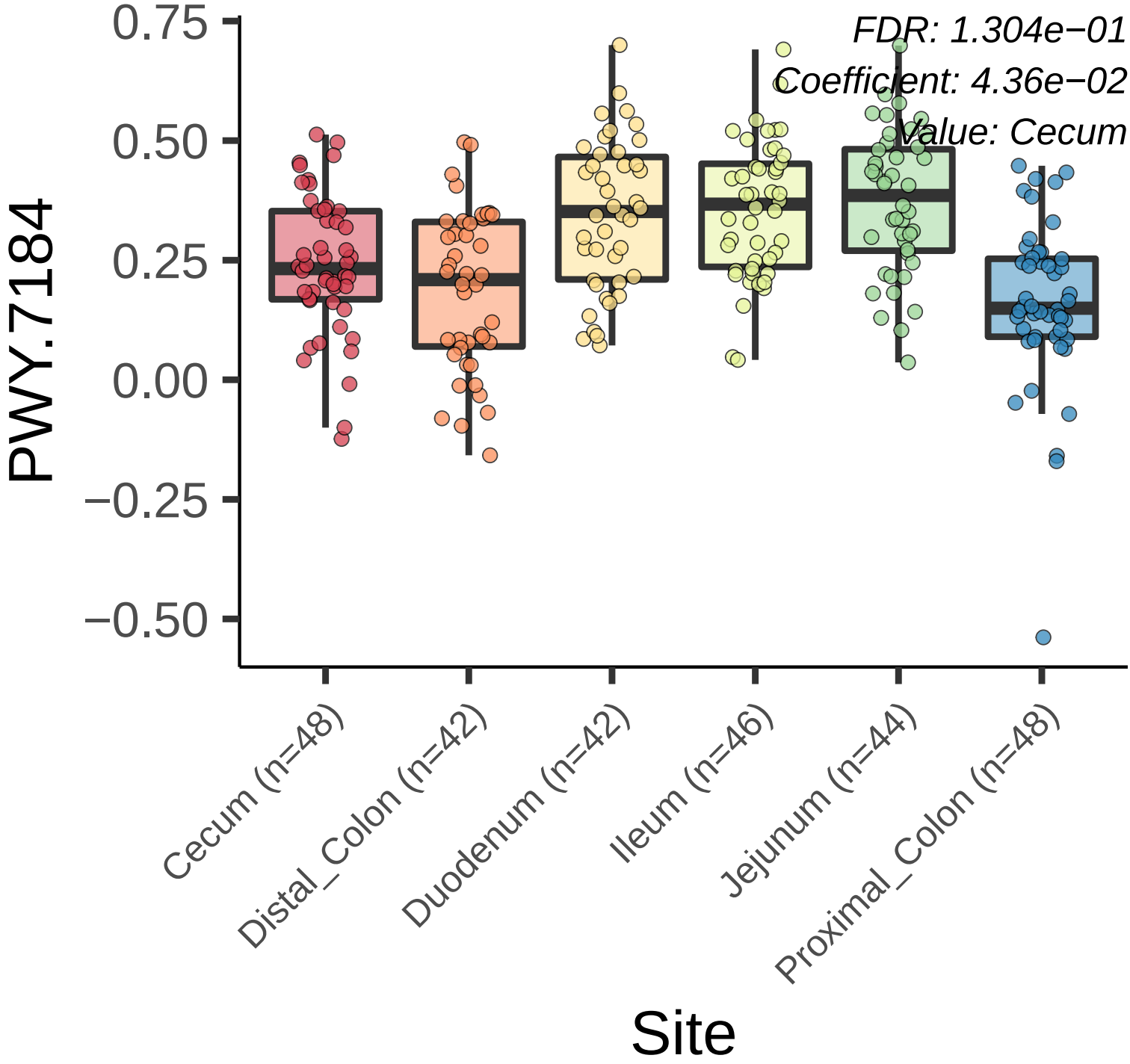

FDR: 1.249e−01
Coefficient: 2.12e−01
Value: Cecum
PWY.7328
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

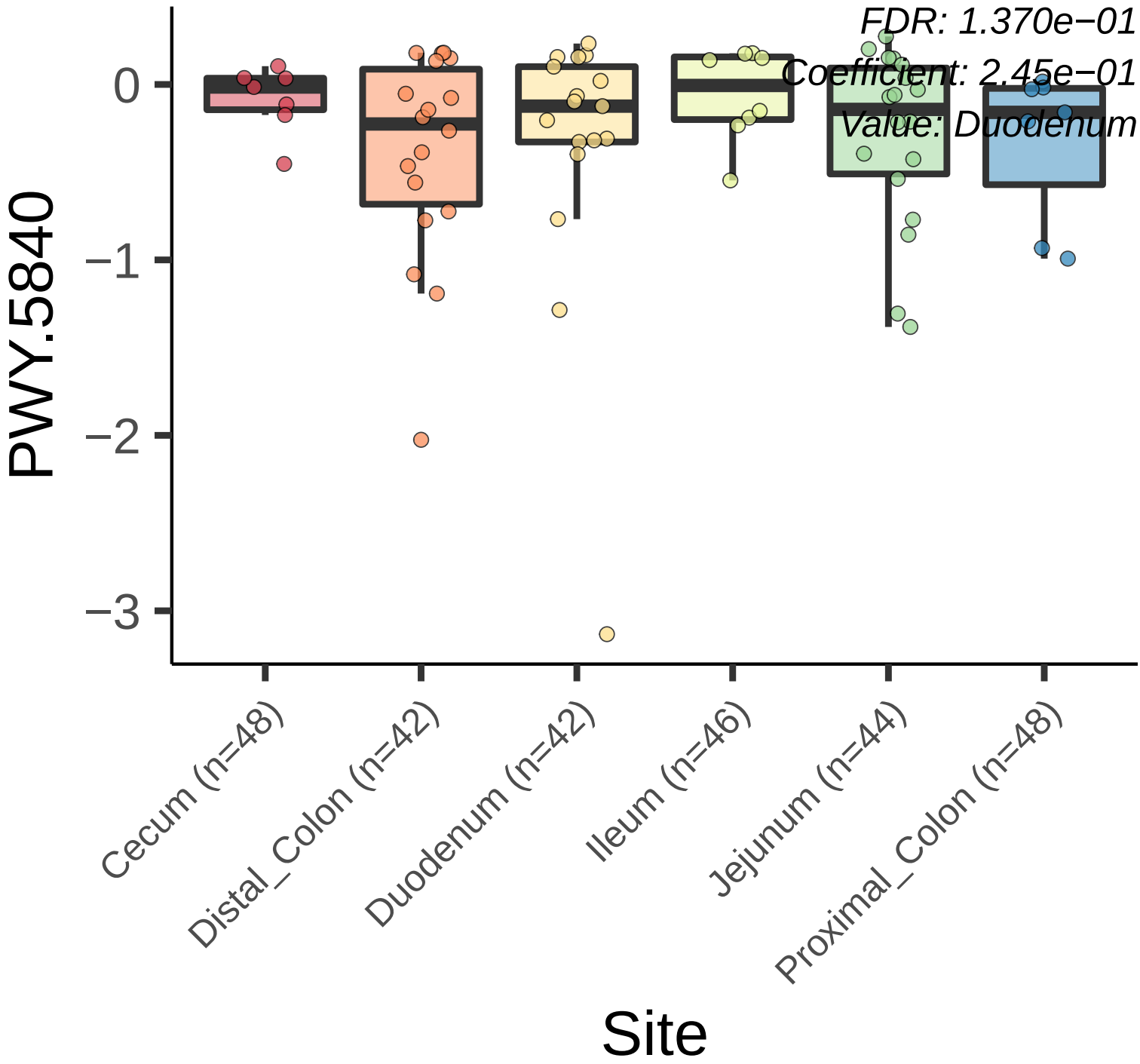

FDR: 1.249e−01
Coefficient: −3.56e−02
Value: Jejunum
SER.GLYSYN.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

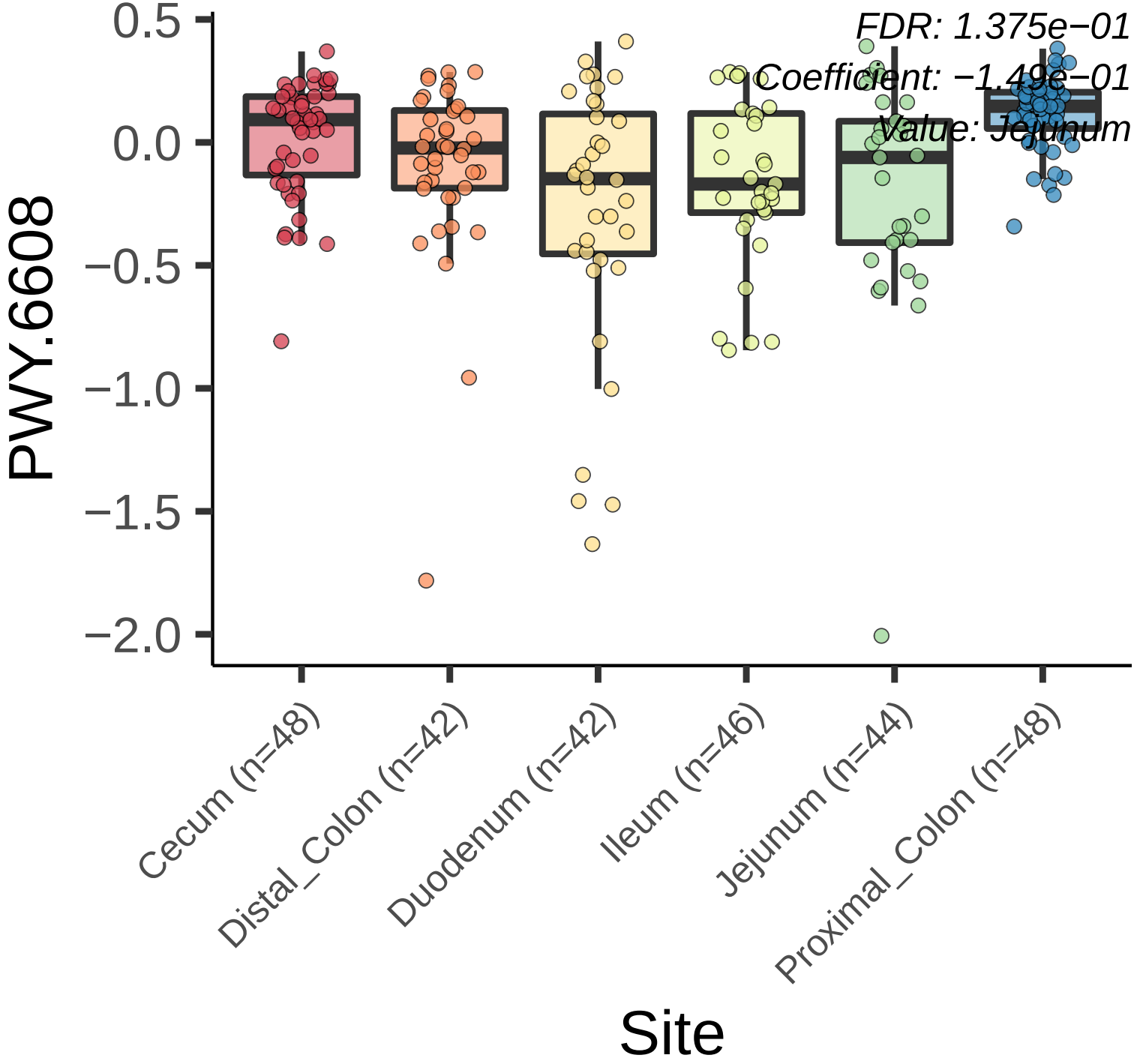

FDR: 1.290e−01
Coefficient: −8.13e−02
Value: Duodenum
PWY.6969
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

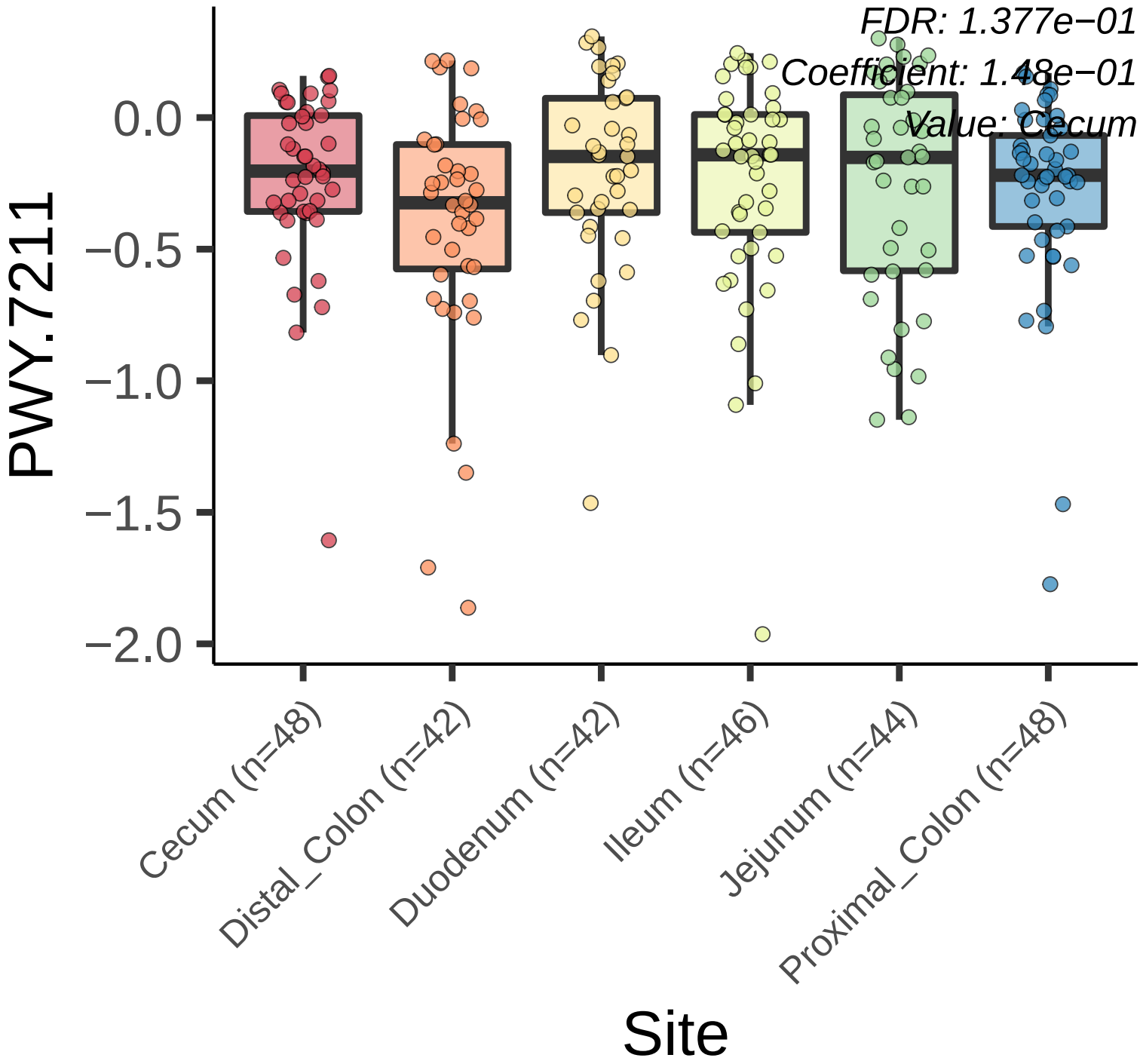

FDR: 1.298e−01
Coefficient: −2.63e−01
Value: Cecum
RHAMCAT.PWY
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

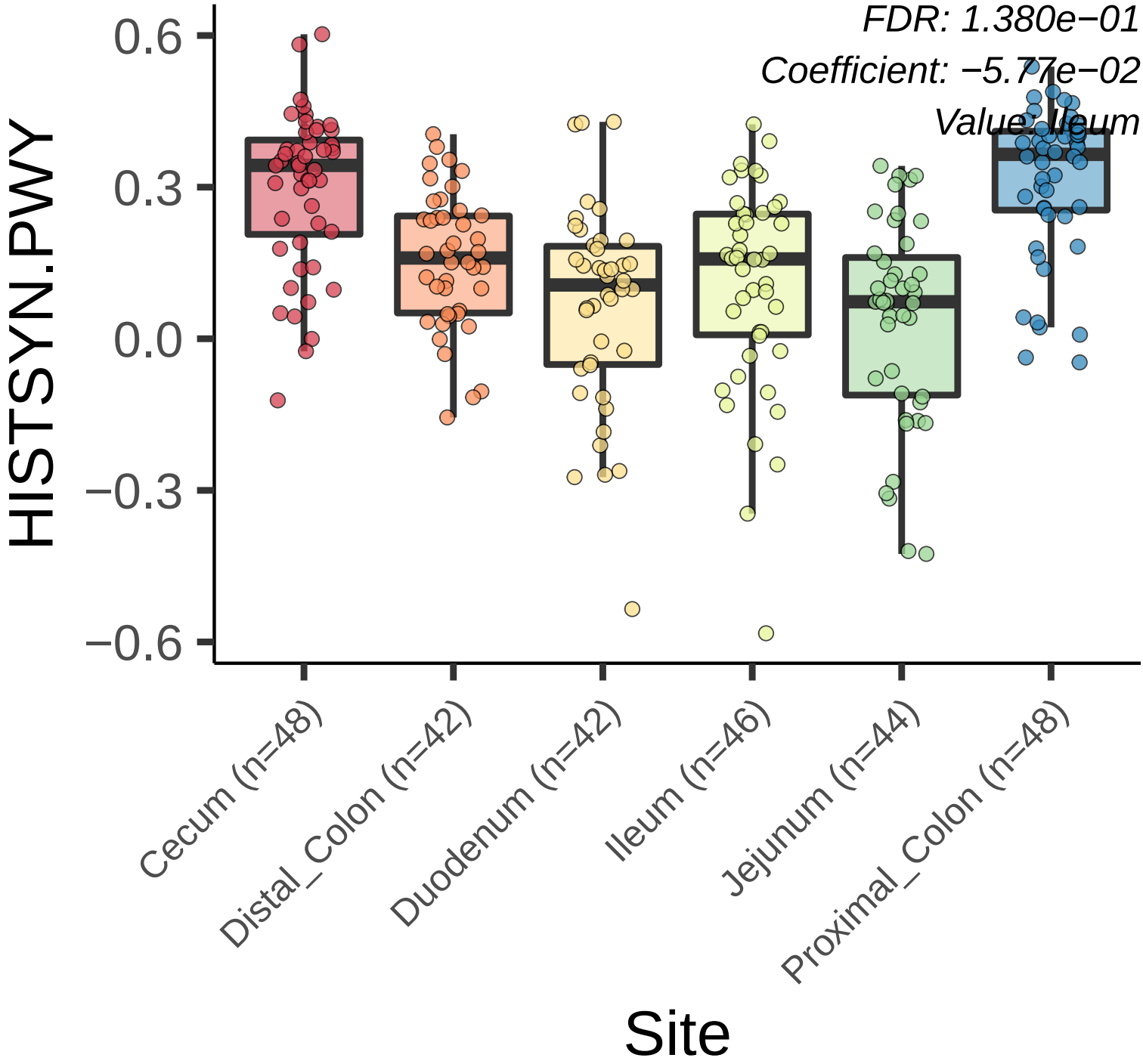

FDR: 1.304e−01
Coefficient: 1.47e−01
Value: Ileum
PWY.7211
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

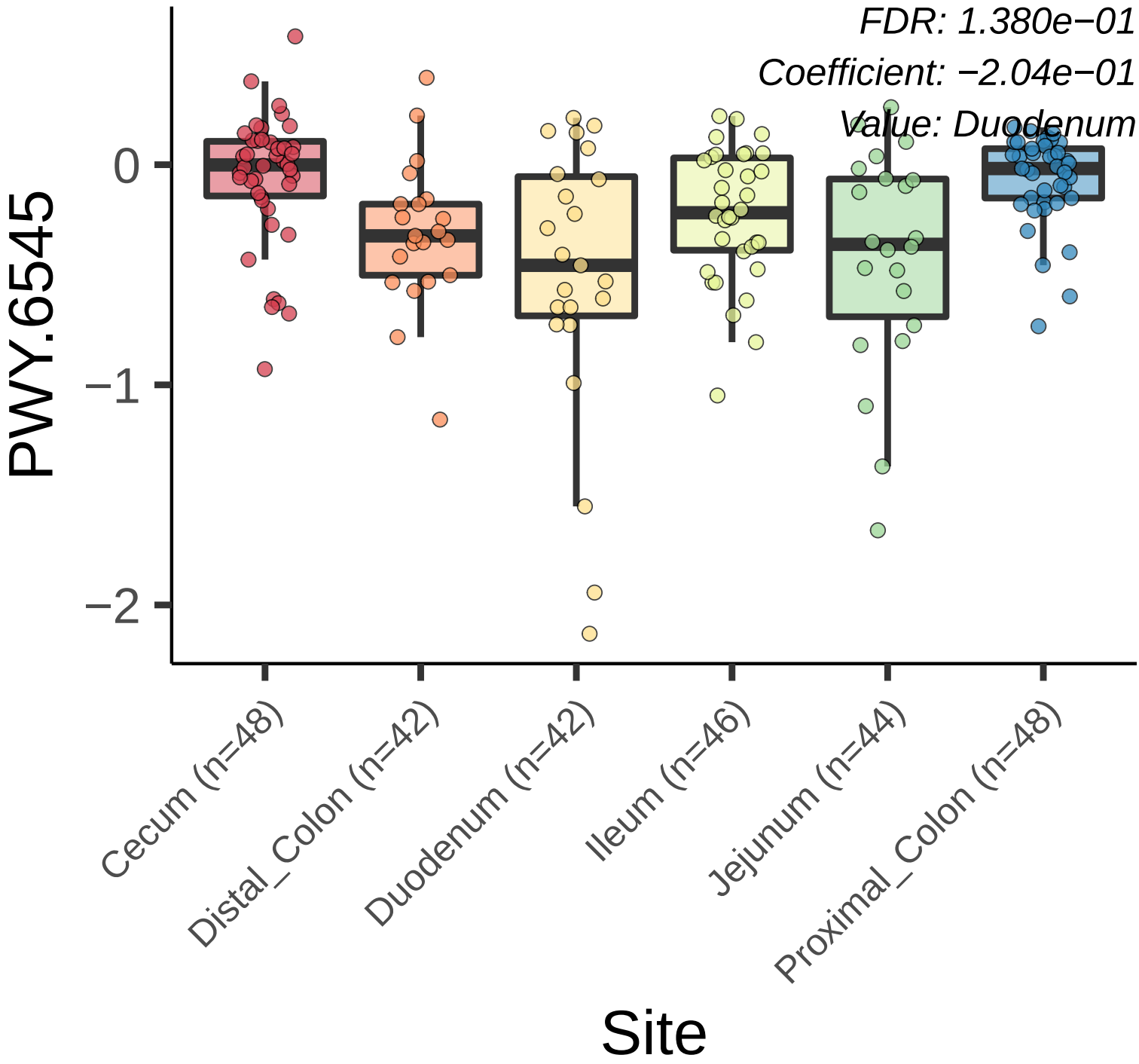

FDR: 1.304e−01
Coefficient: 4.36e−02
Value: Cecum
PWY.7184
0.75
0.50
0.25
0.00
−0.25
−0.50
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

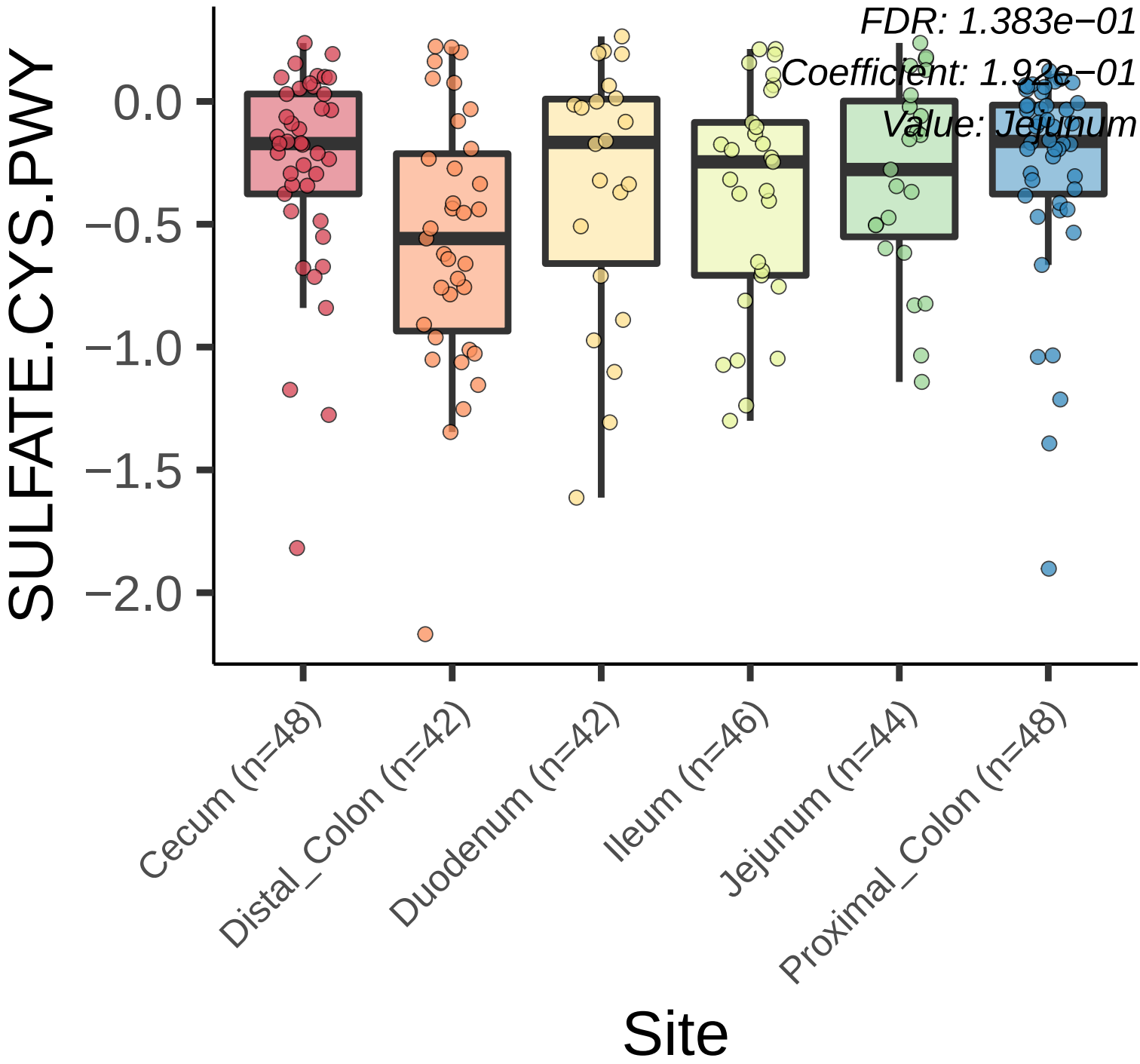

FDR: 1.370e−01
Coefficient: 2.45e−01
Value: Duodenum
PWY.5840
0
−1
−2
−3
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

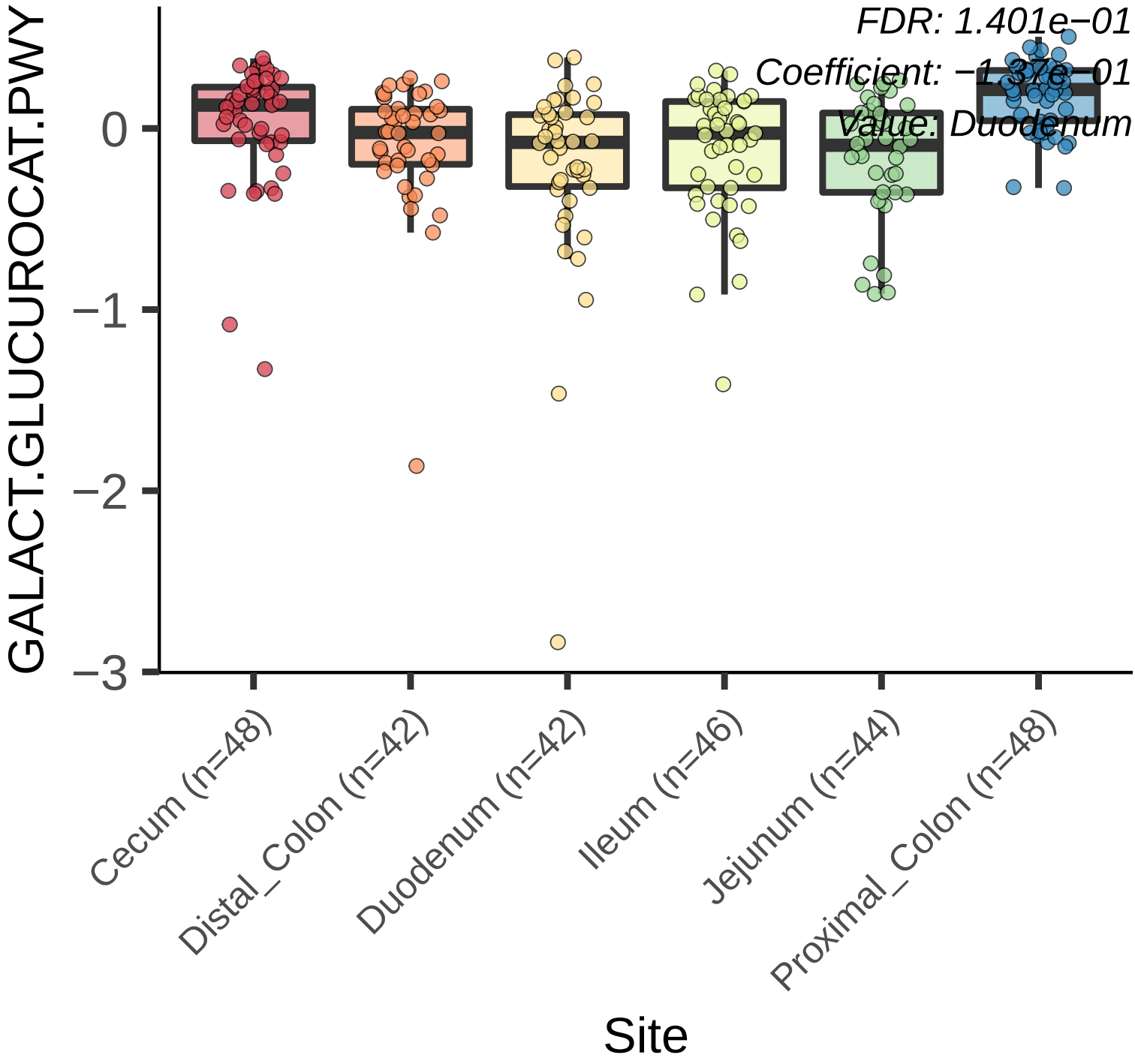

FDR: 1.375e−01
Coefficient: −1.49e−01
Value: Jejunum
PWY.6608
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

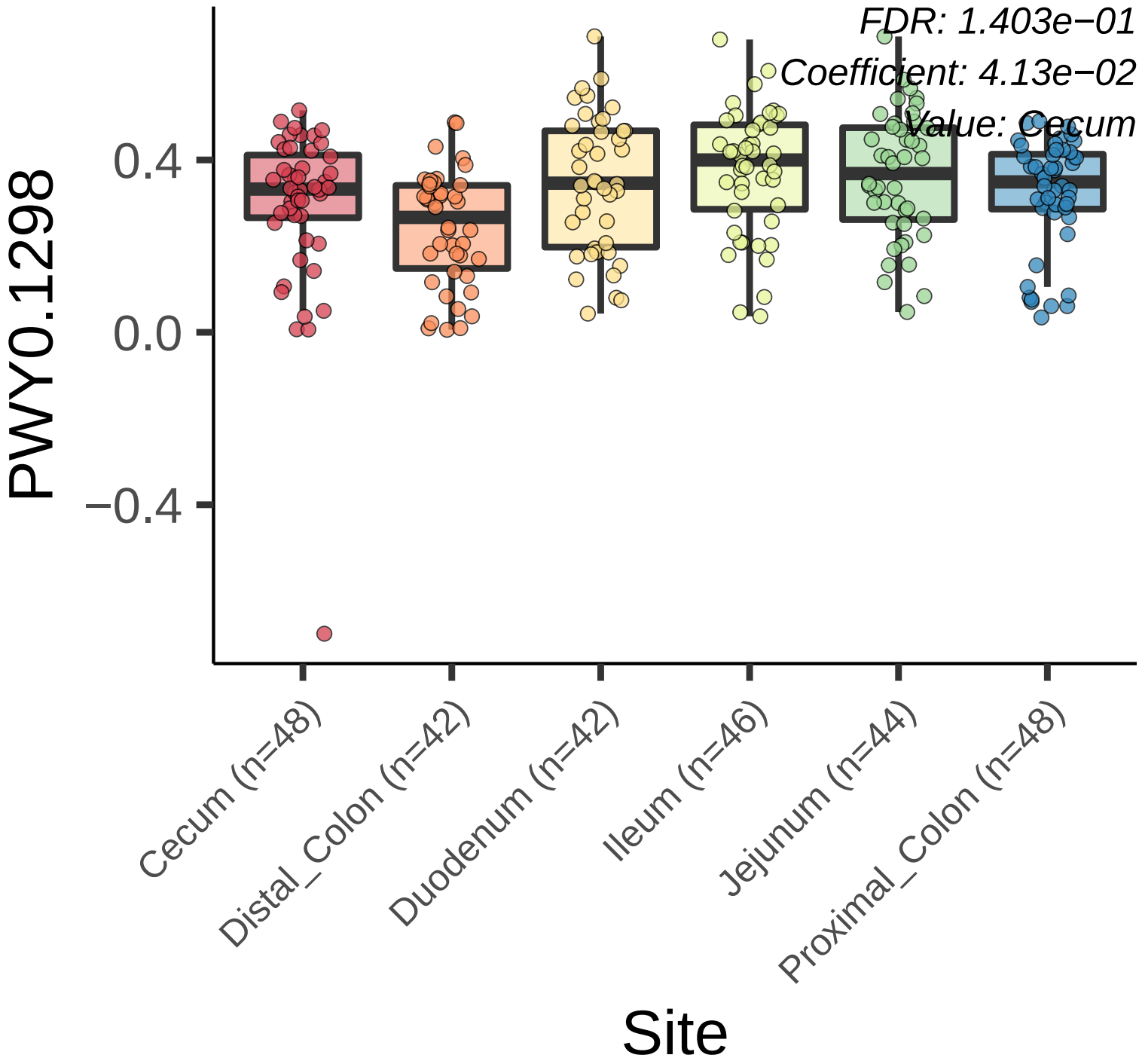

FDR: 1.377e−01
Coefficient: 1.48e−01
Value: Cecum
PWY.7211
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

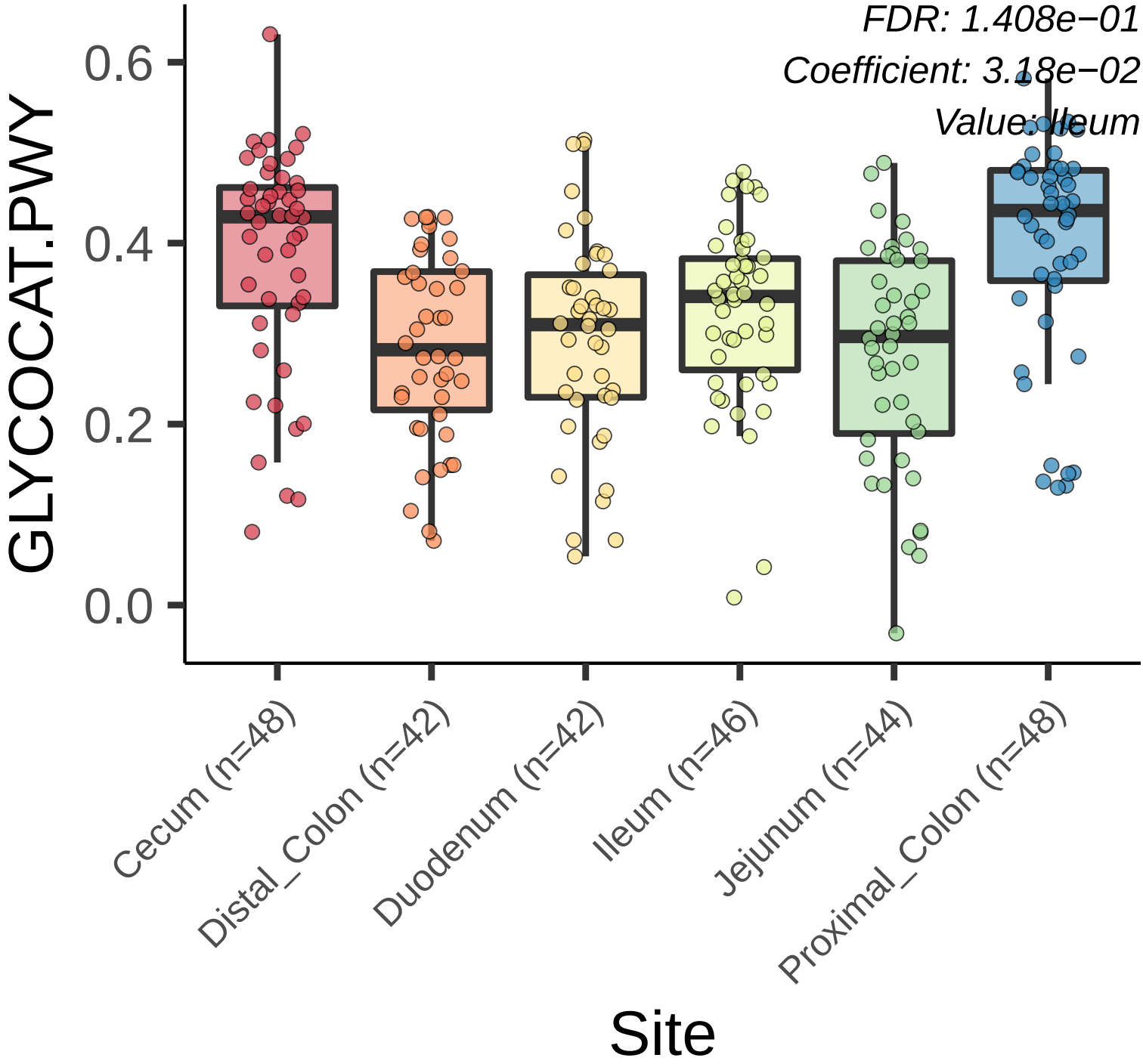

FDR: 1.380e−01
Coefficient: −5.77e−02
Value: Ileum
HISTSYN.PWY
0.6
0.3
0.0
−0.3
−0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

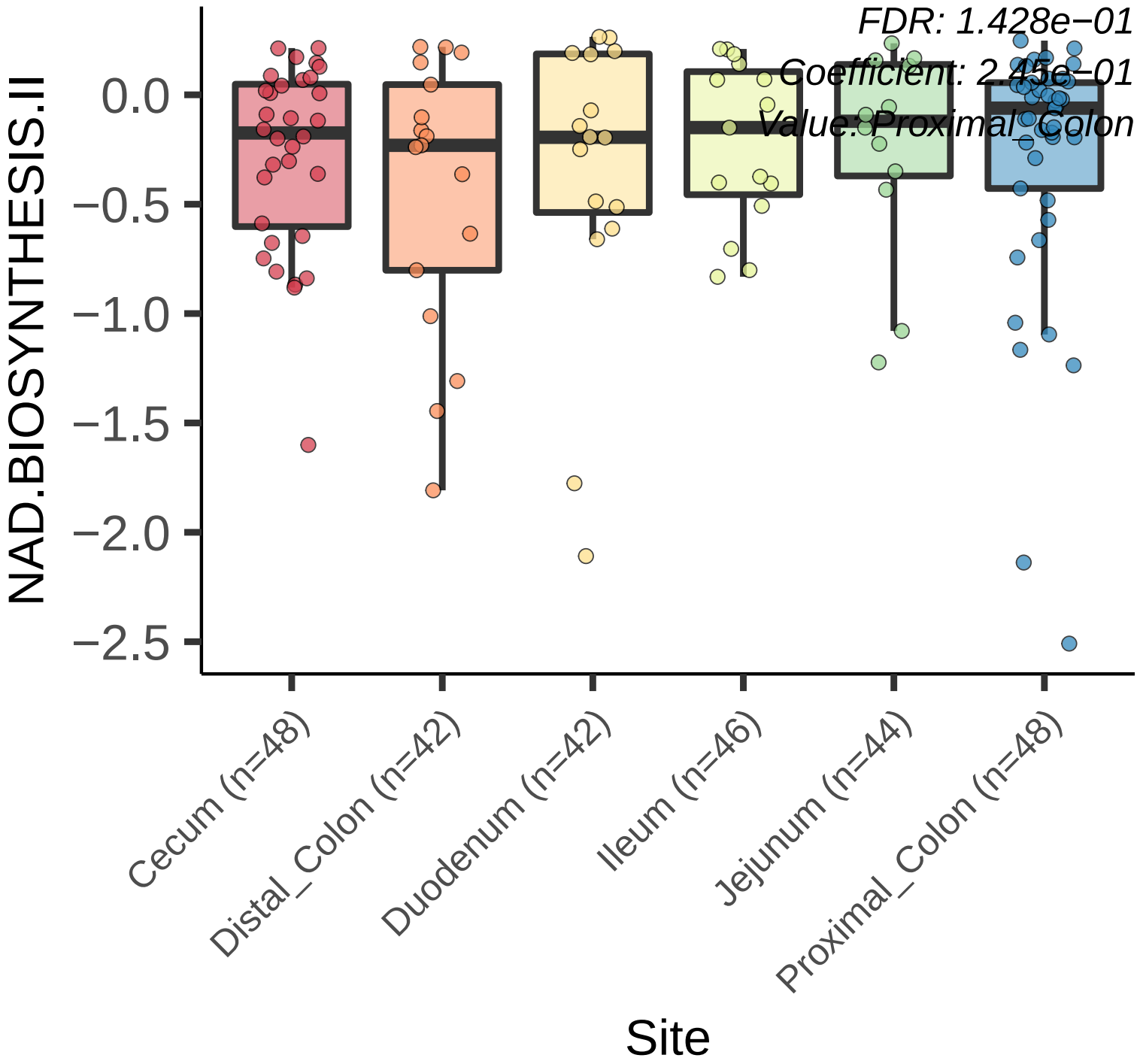

FDR: 1.380e−01
Coefficient: −2.04e−01
Value: Duodenum
PWY.6545
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

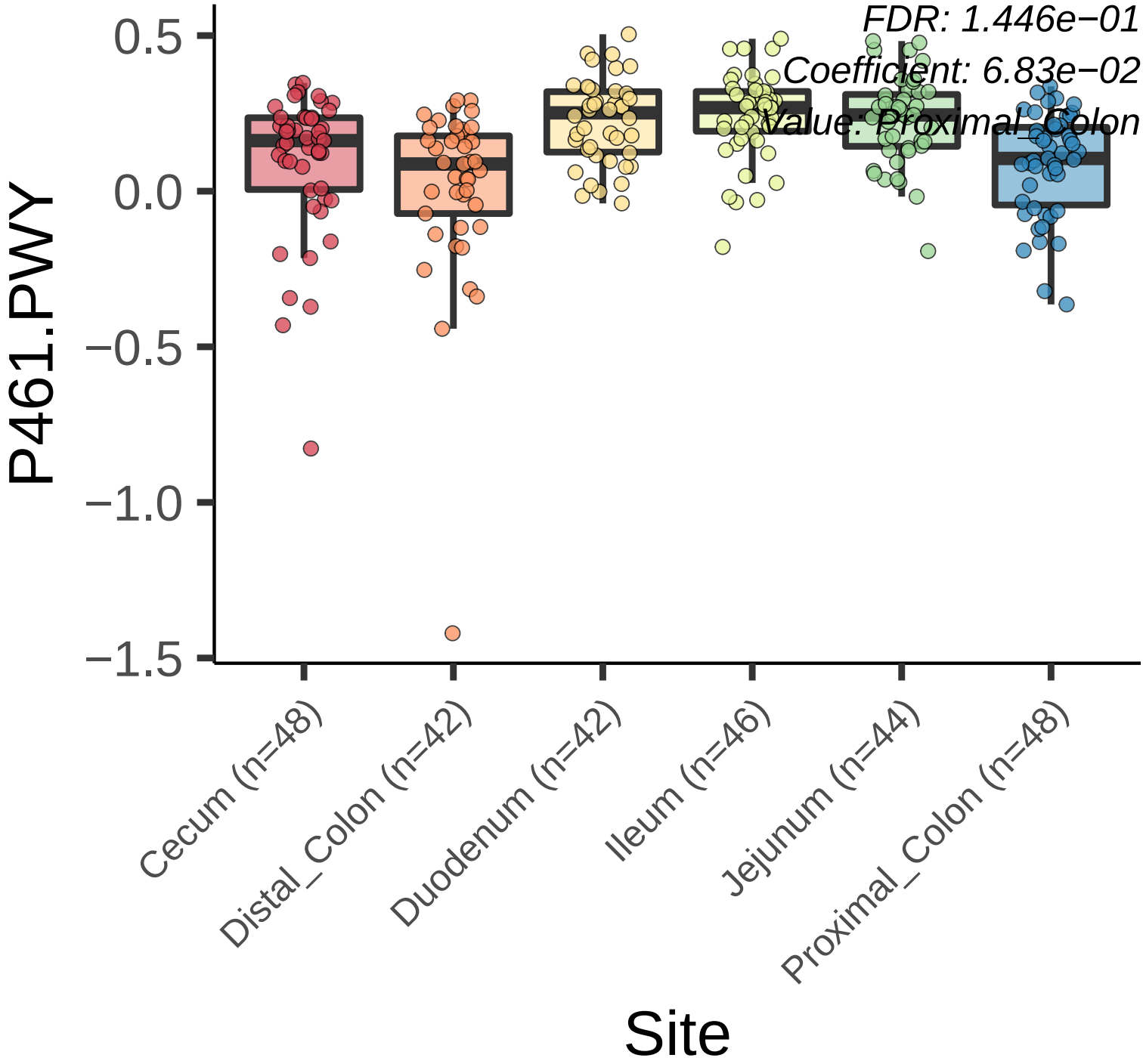

FDR: 1.383e−01
Coefficient: 1.92e−01
Value: Jejunum
SULFATE.CYS.PWY
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

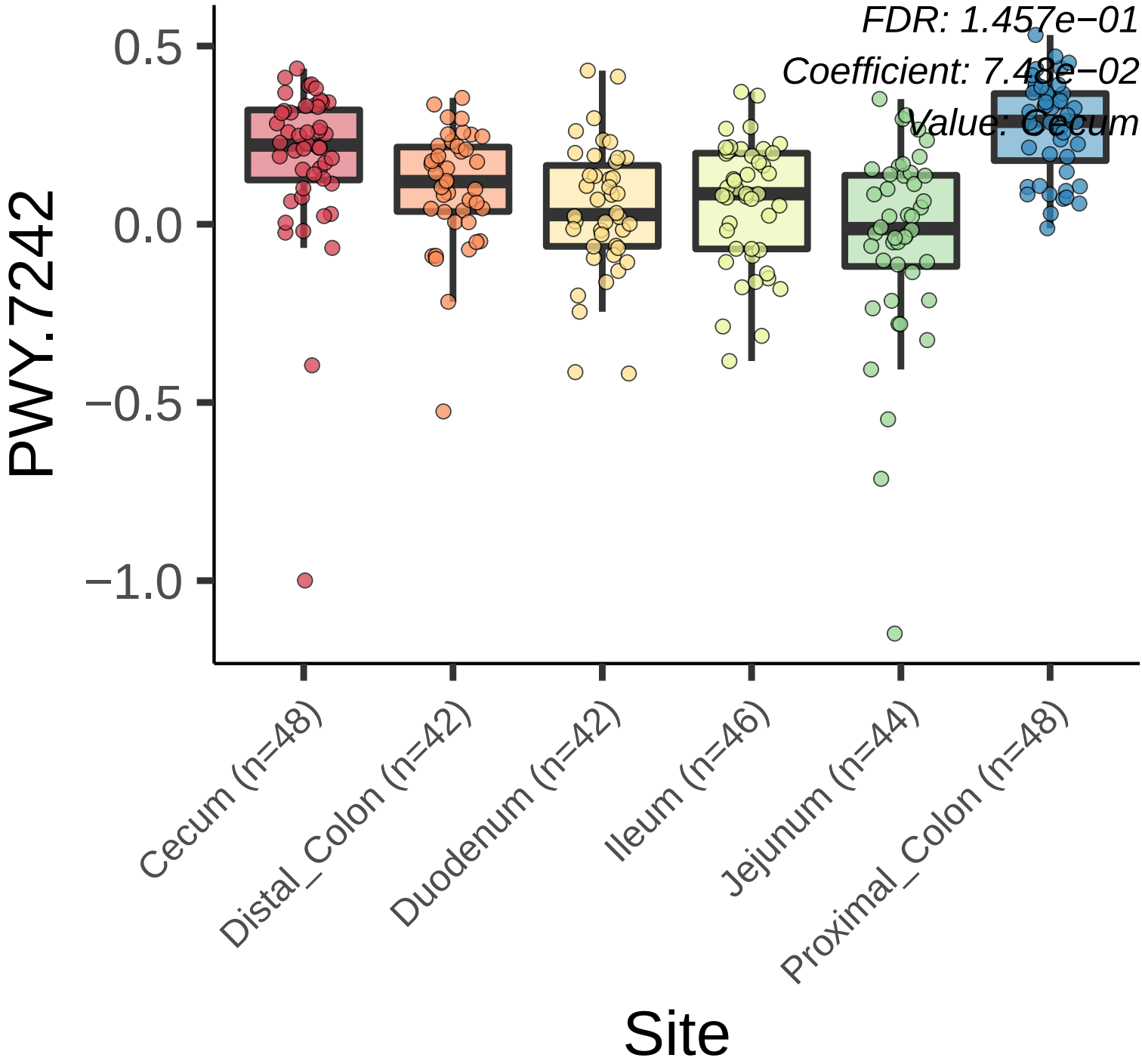

FDR: 1.401e−01
Coefficient: −1.37e−01
Value: Duodenum
GALACT.GLUCUROCAT.PWY
0
−1
−2
−3
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

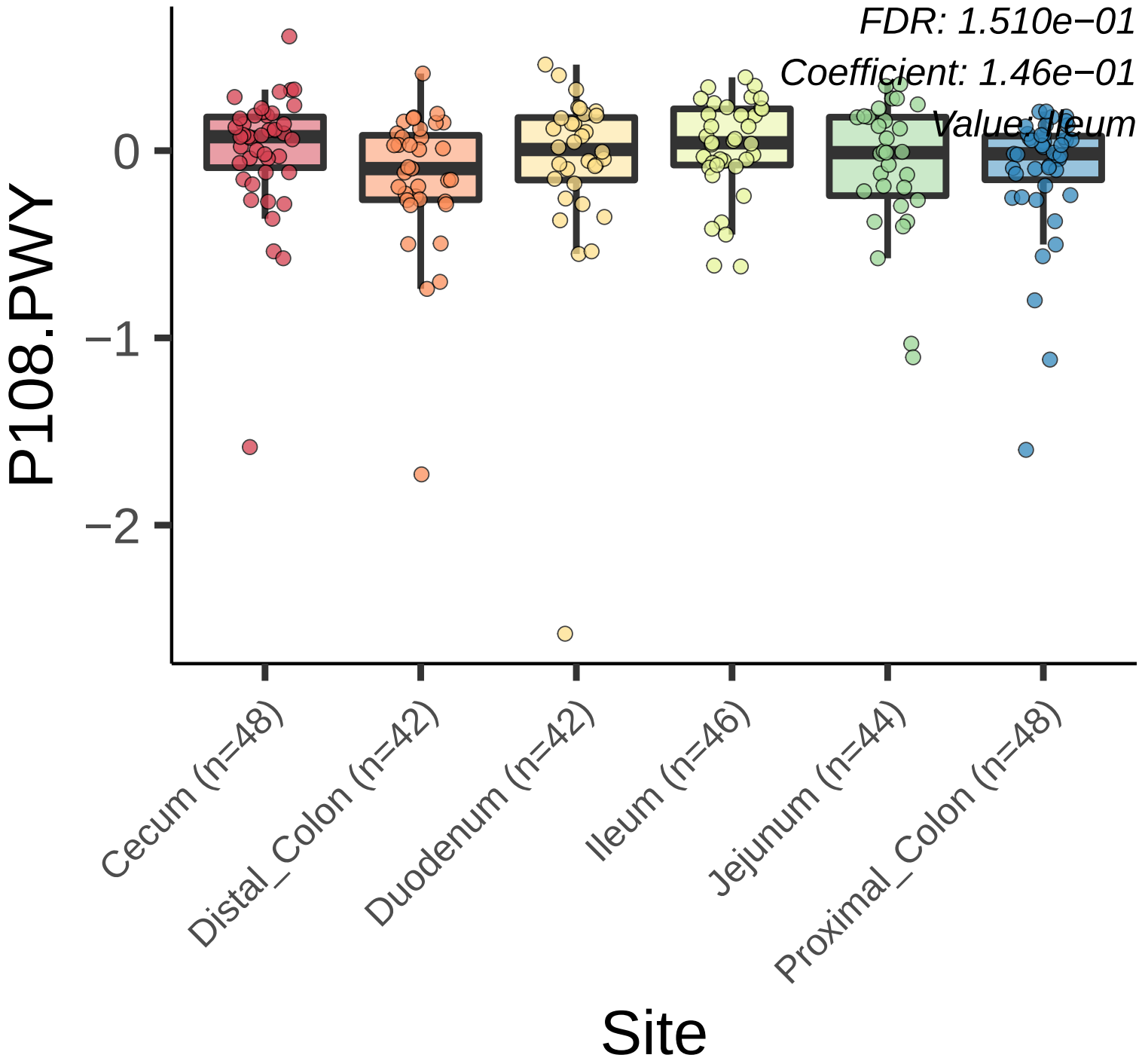

FDR: 1.403e−01
Coefficient: 4.13e−02
Value: Cecum
PWY0.1298
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

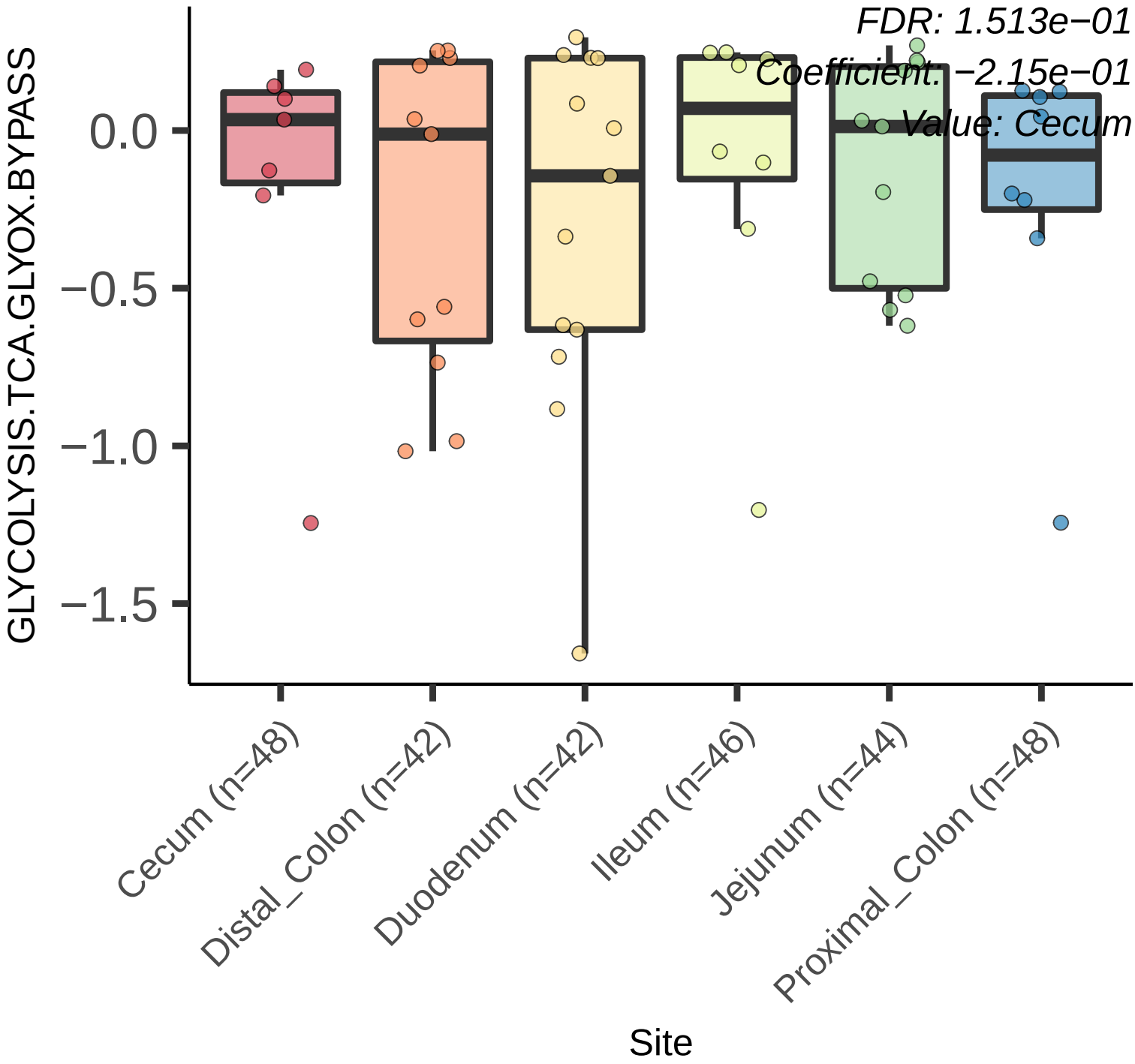

FDR: 1.408e−01
Coefficient: 3.18e−02
Value: Ileum
GLYCOCAT.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

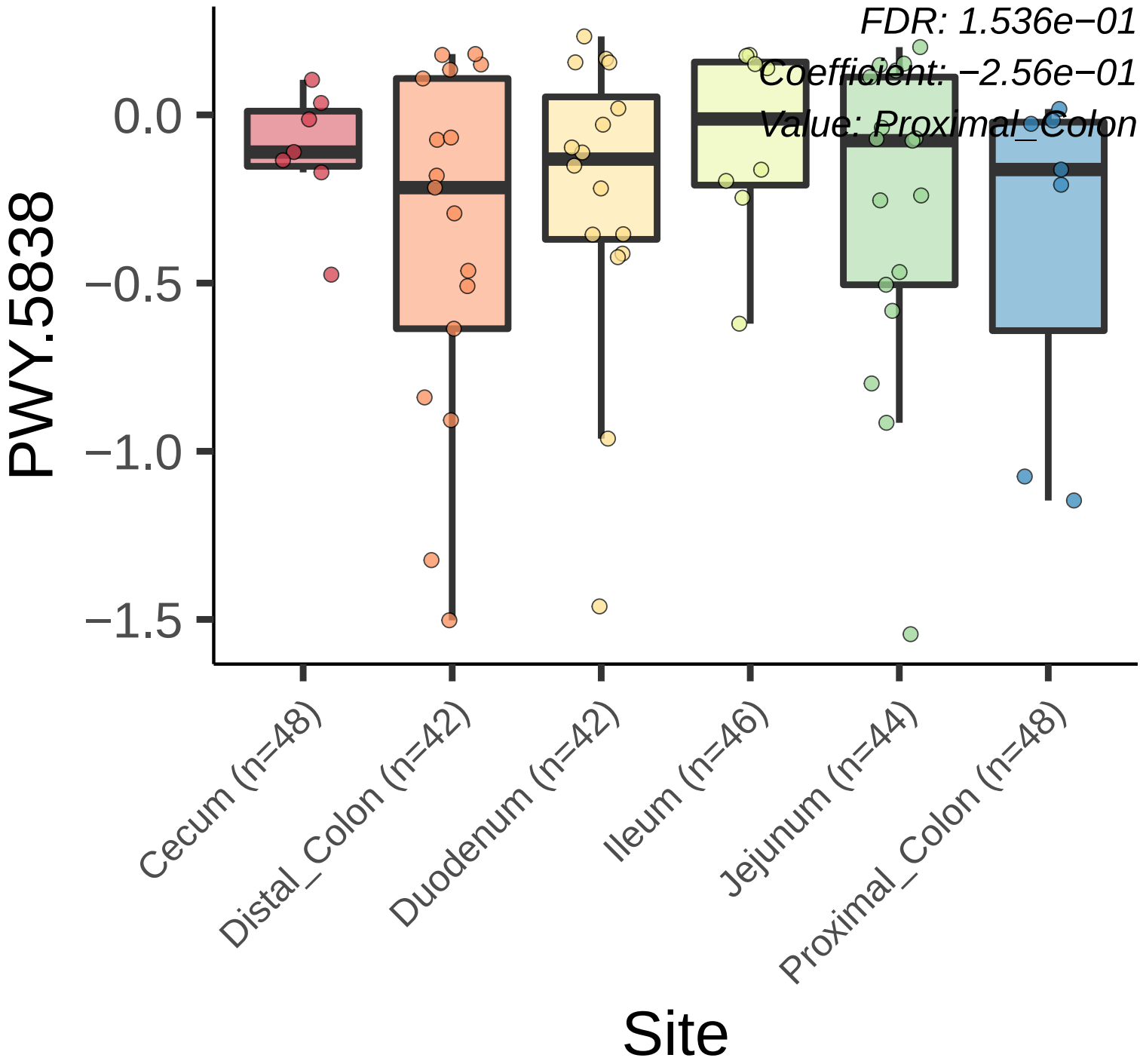

FDR: 1.428e−01
Coefficient: 2.45e−01
Value:Proximal_Colon
NAD.BIOSYNTHESIS.II
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

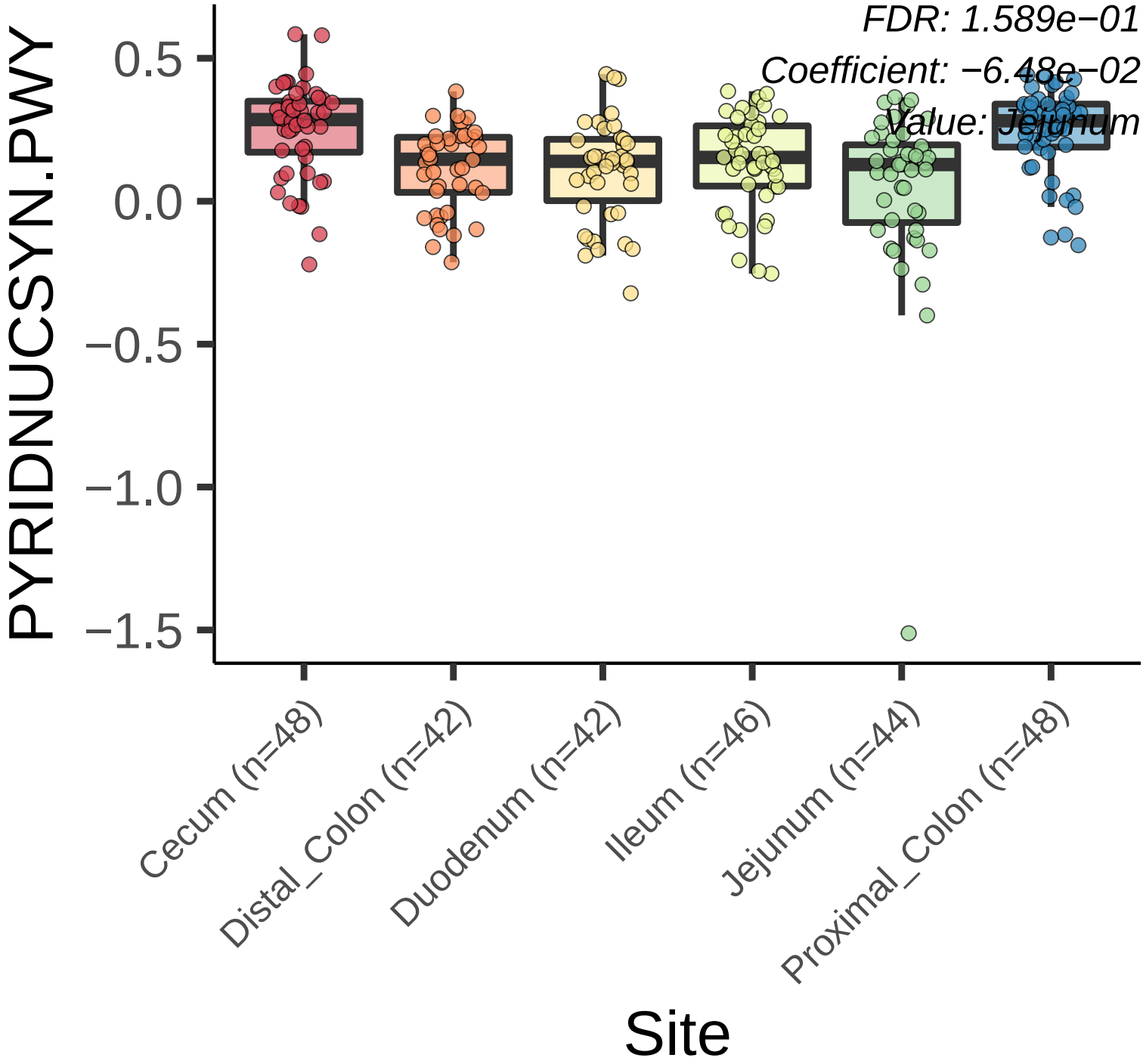

FDR: 1.446e−01
Coefficient: 6.83e−02
Value: Proximal_Colon
P461.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

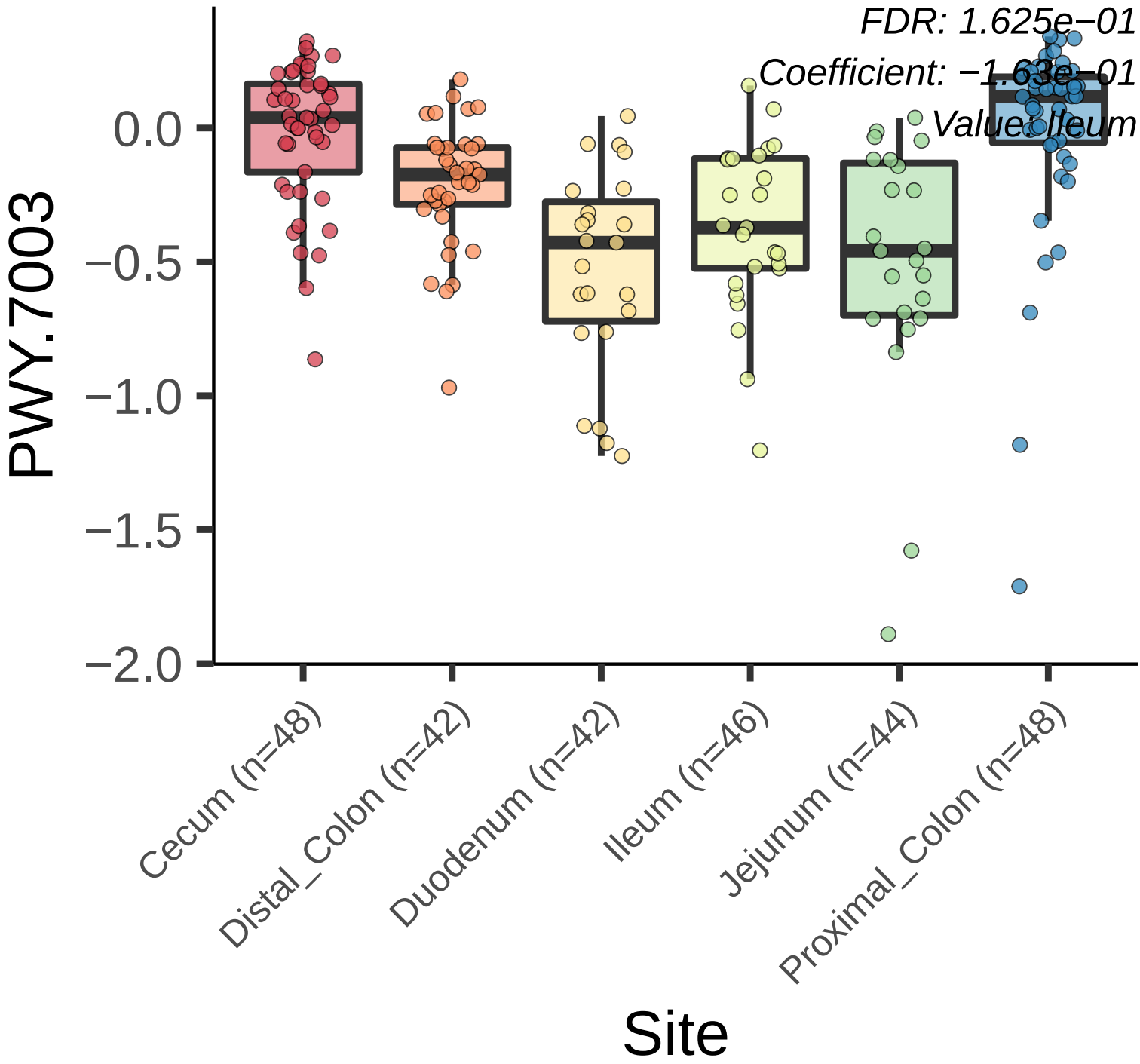

FDR: 1.457e−01
Coefficient: 7.48e−02
Value: Cecum
PWY.7242
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

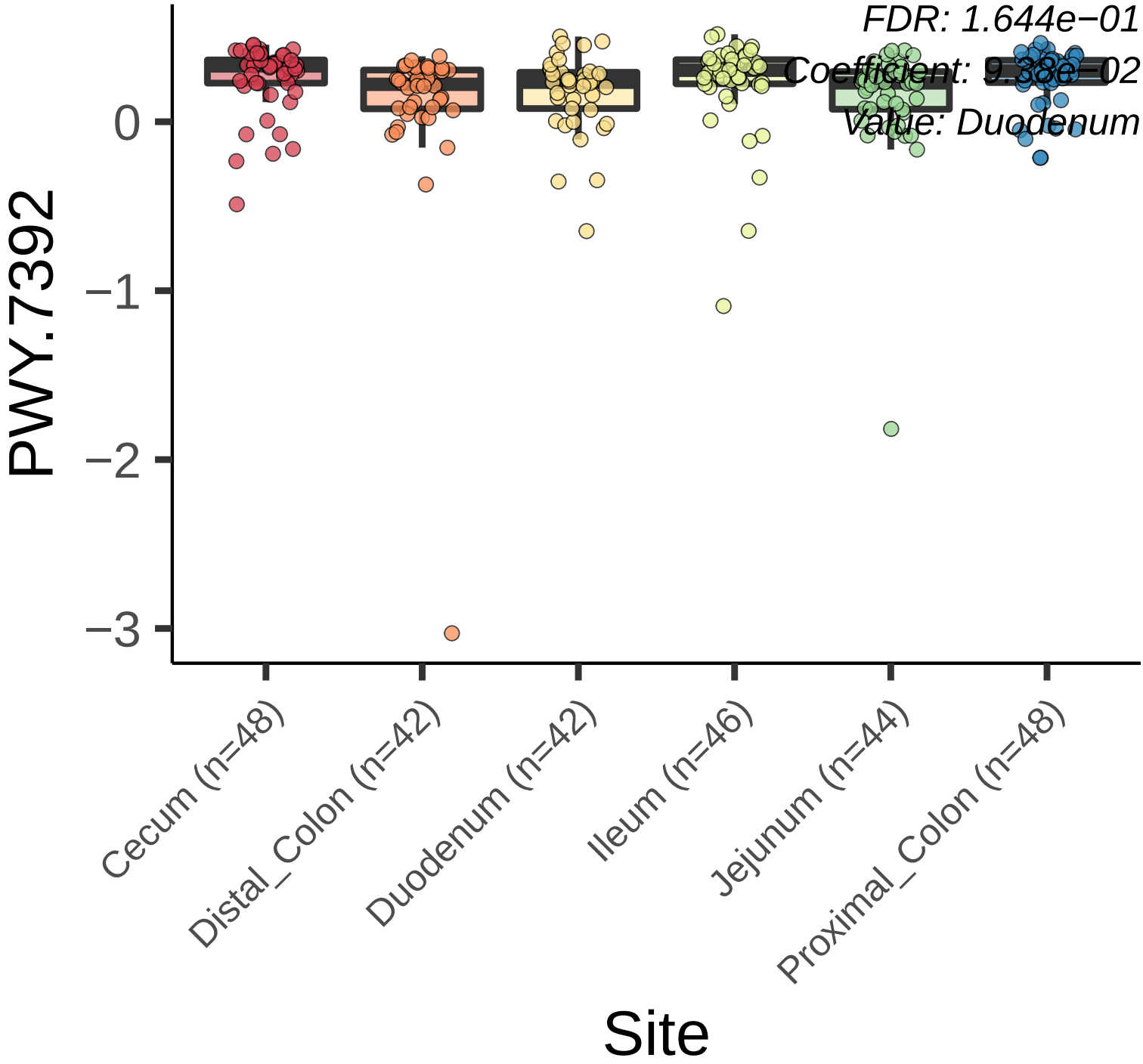

FDR: 1.510e−01
Coefficient: 1.46e−01
Value: Ileum
P108.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

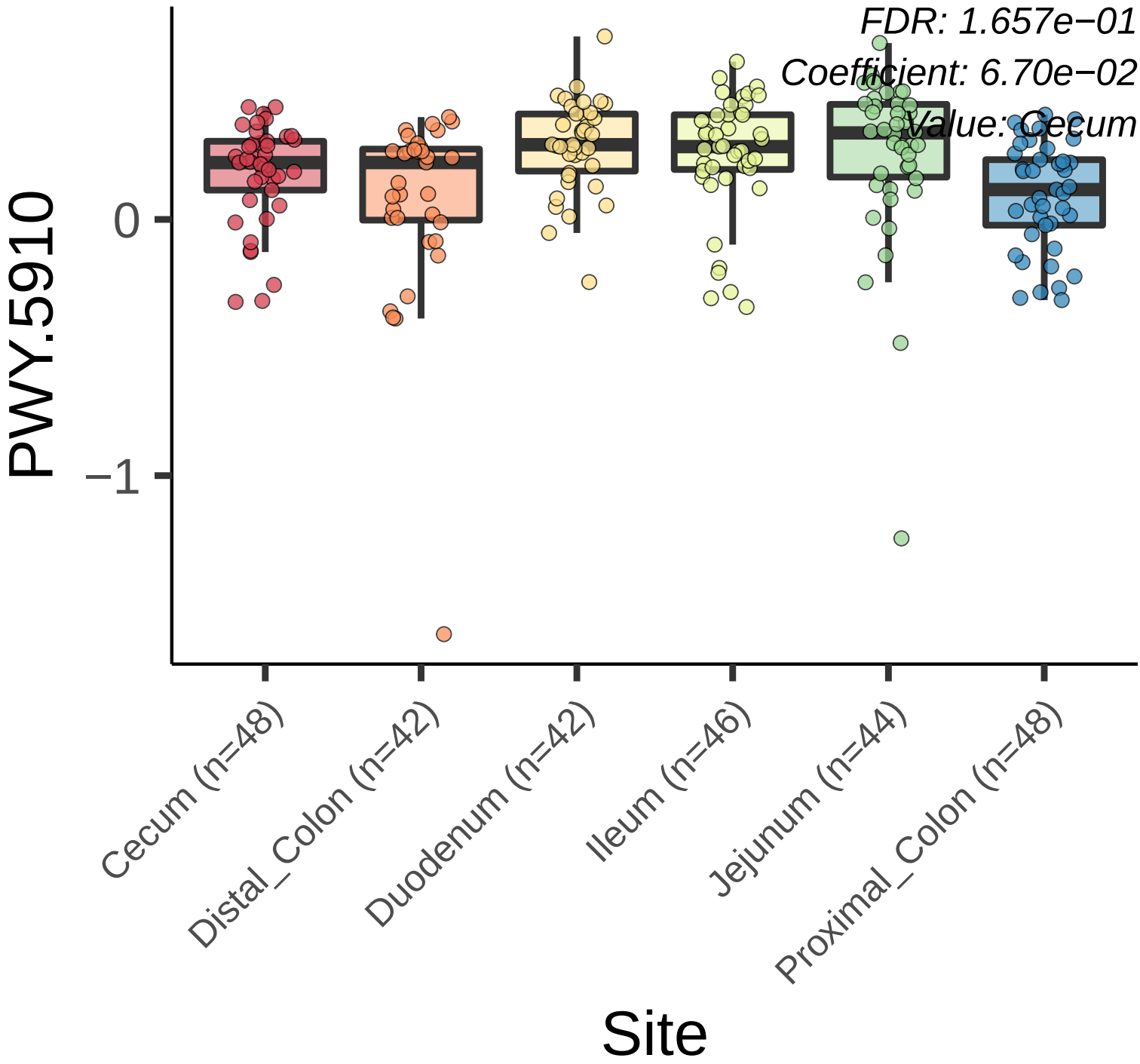

FDR: 1.513e−01
Coefficient: −2.15e−01
Value: Cecum
GLYCOLYSIS.TCA.GLYOX.BYPASS
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

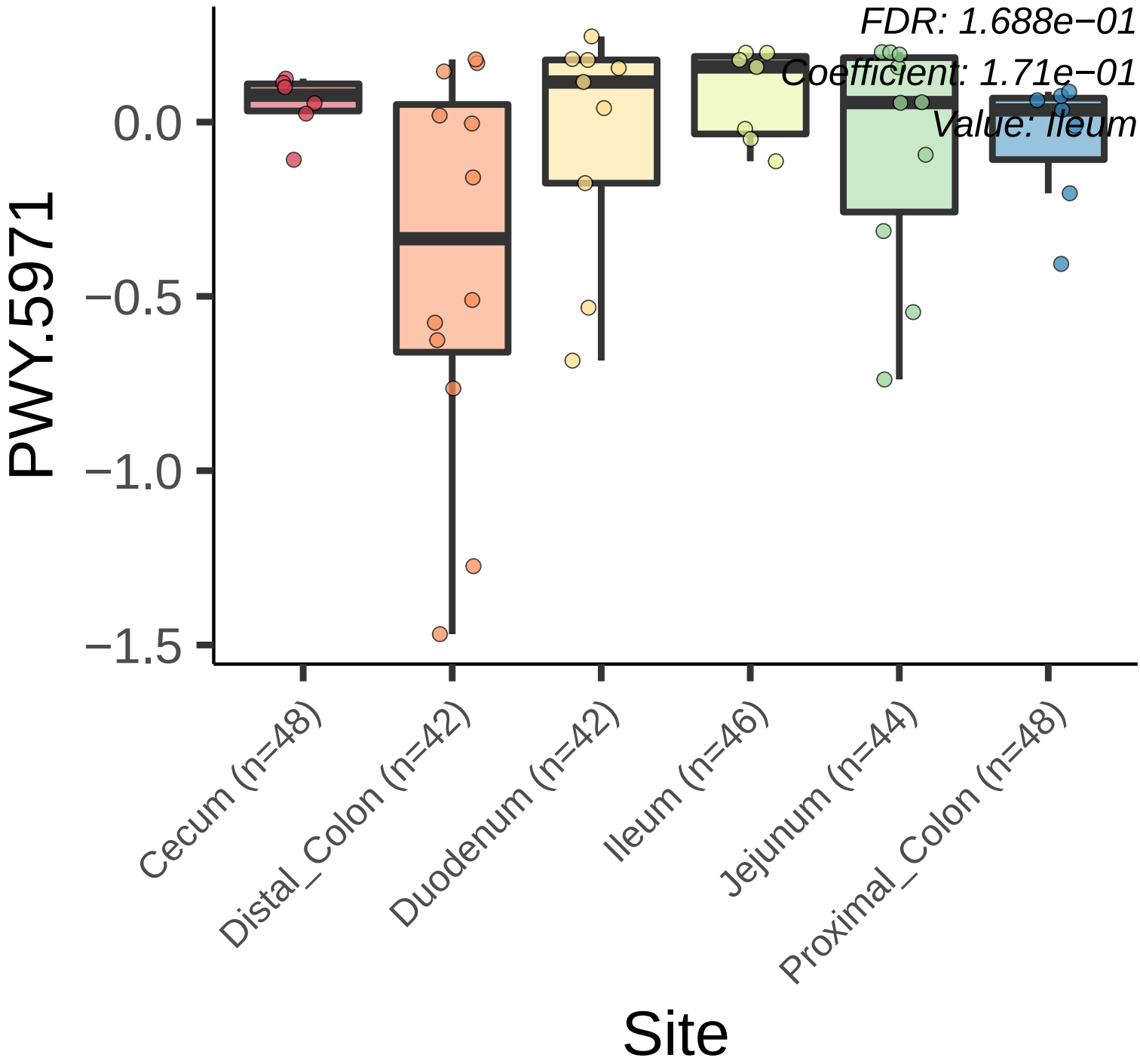

FDR: 1.536e−01
Coefficient: −2.56e−01
Value: Proximal_Colon
PWY.5838
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

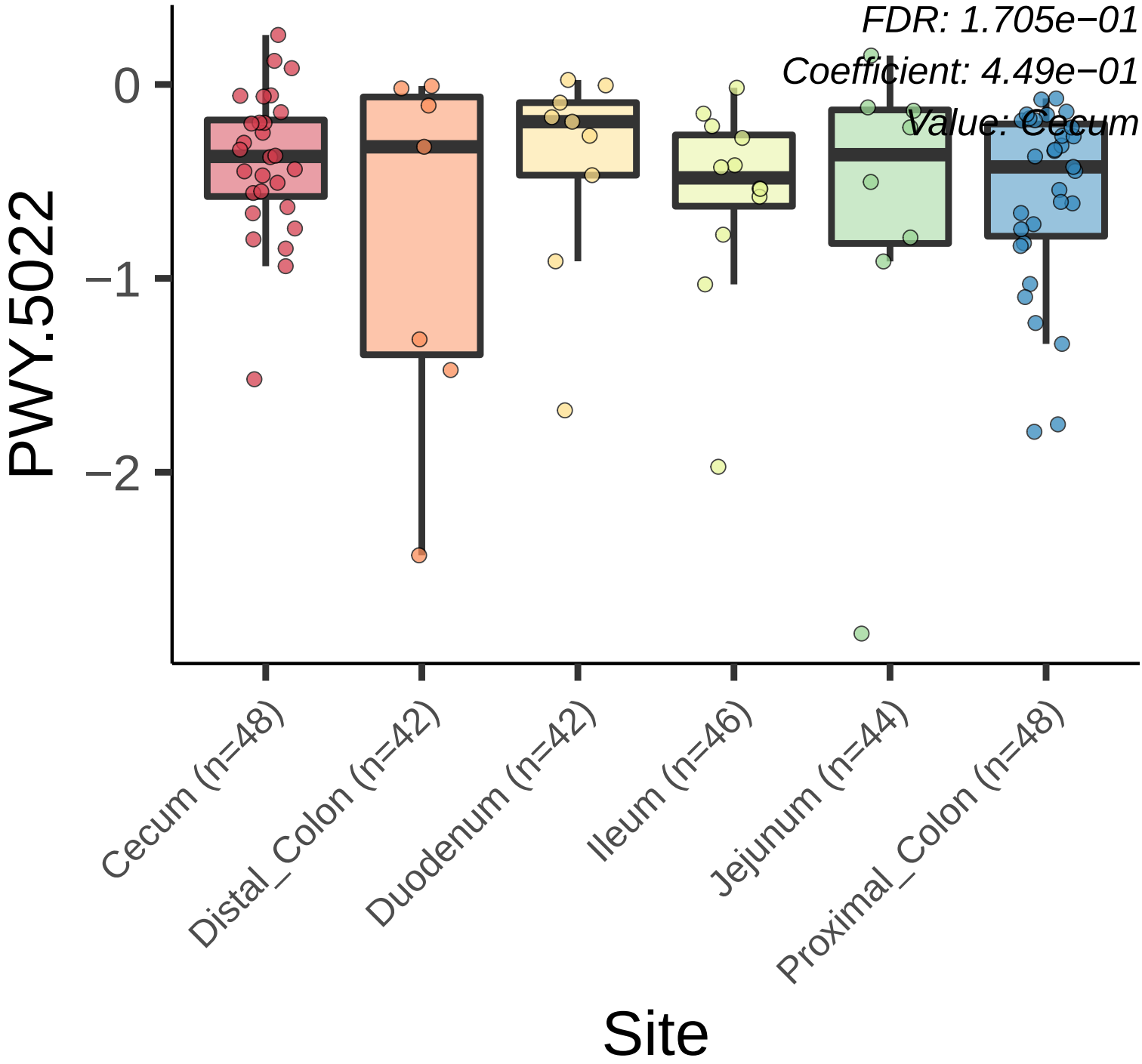

FDR: 1.589e−01
Coefficient: −6.48e−02
Value: Jejunum
PYRIDNUCSYN.PWY
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

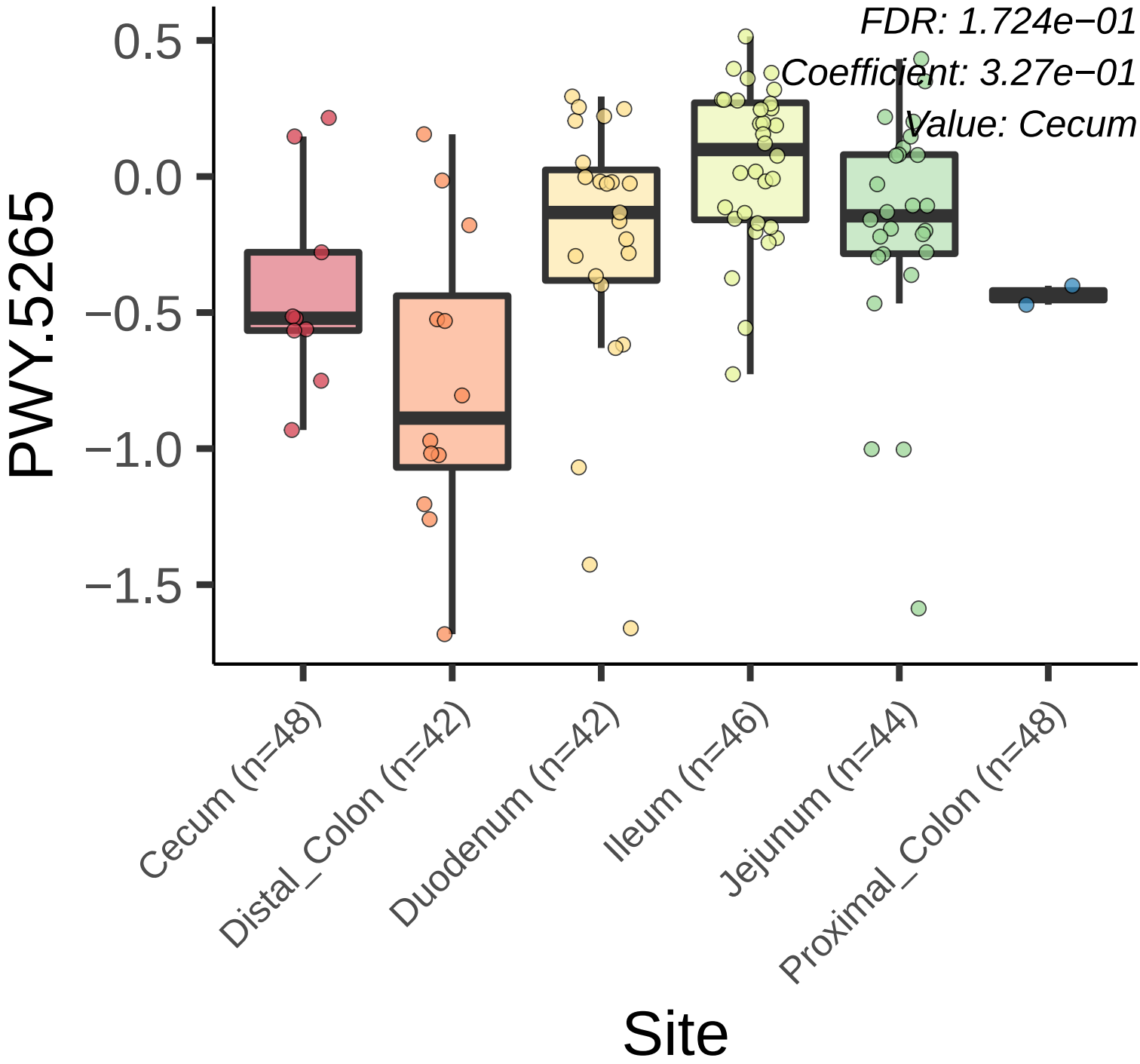

FDR: 1.625e−01
Coefficient: −1.63e−01
Value: Ileum
PWY.7003
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

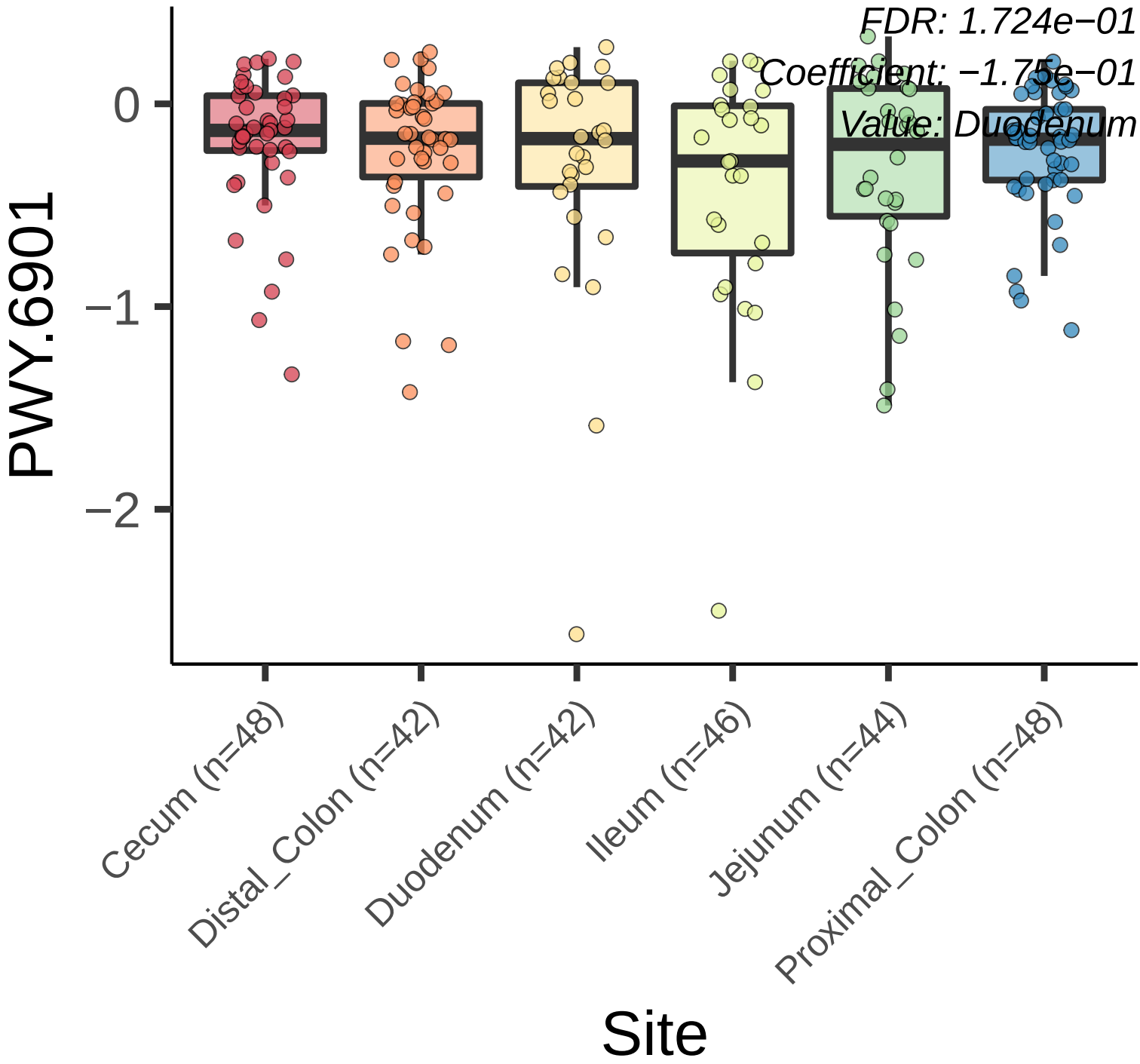

FDR: 1.644e−01
Coefficient: 9.38e−02
Value: Duodenum
PWY.7392
0
−1
−2
−3
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

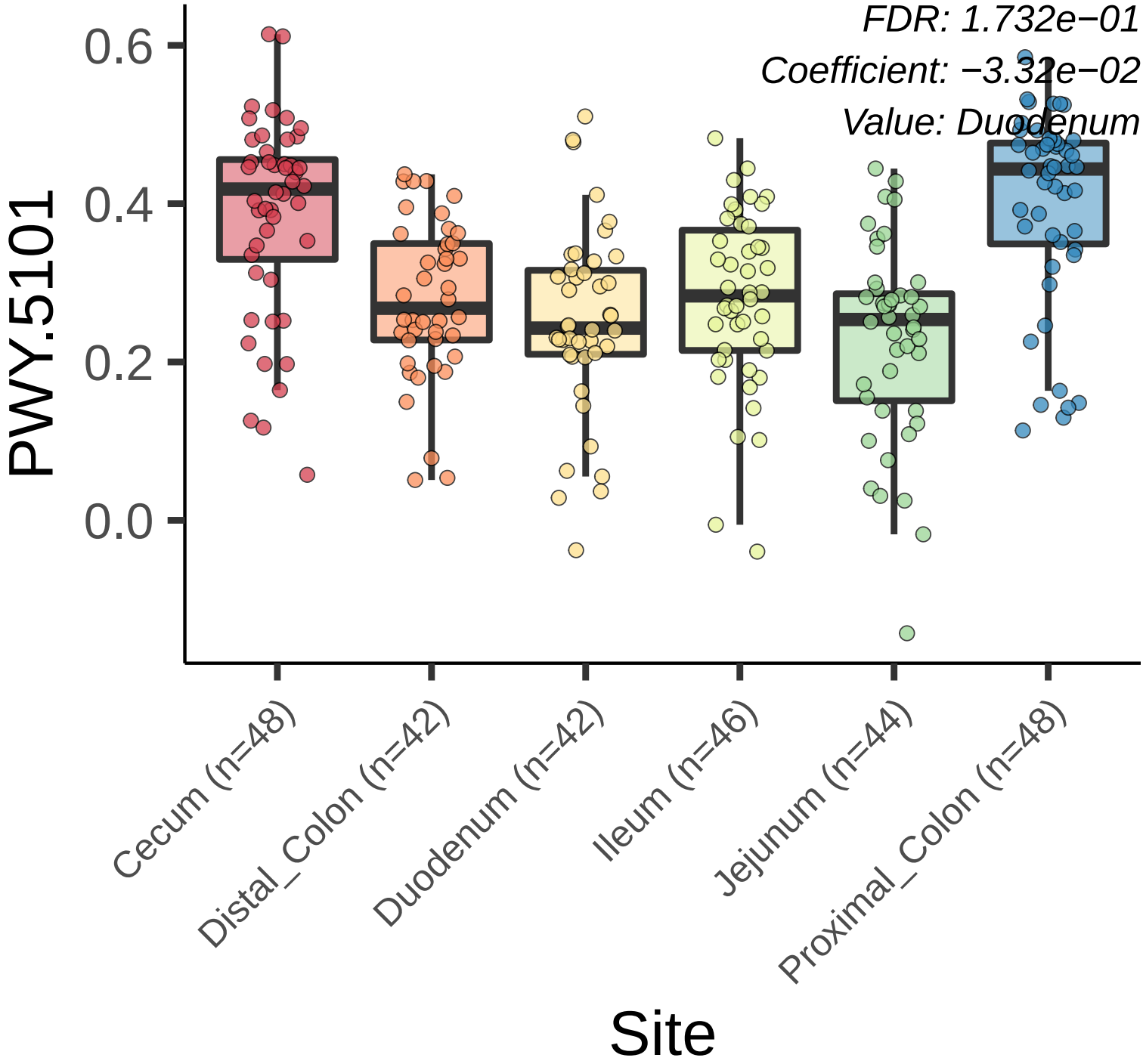

FDR: 1.657e−01
Coefficient: 6.70e−02
Value: Cecum
PWY.5910
0
−1
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

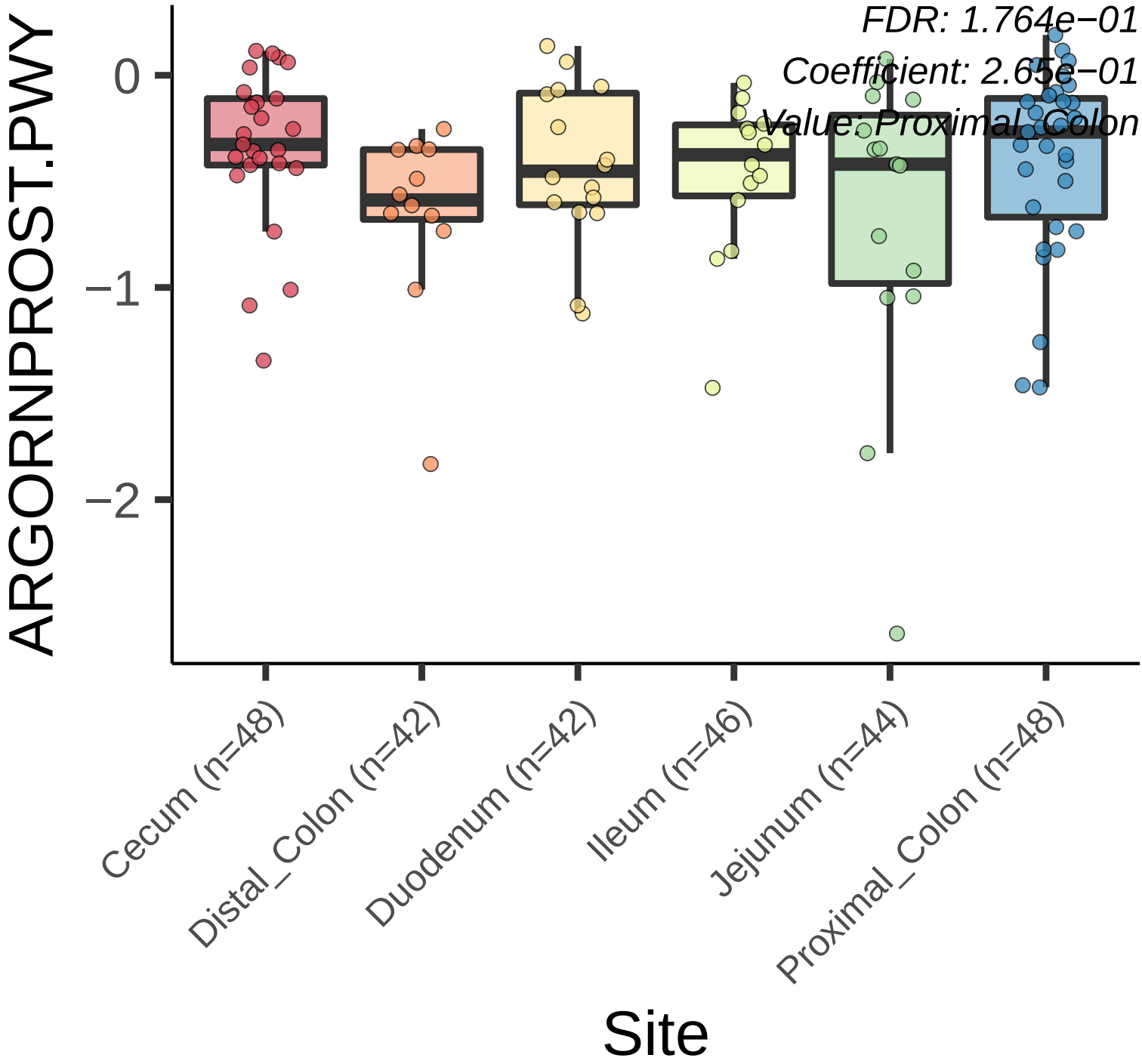

FDR: 1.688e−01
Coefficient: 1.71e−01
Value: Ileum
PWY.5971
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

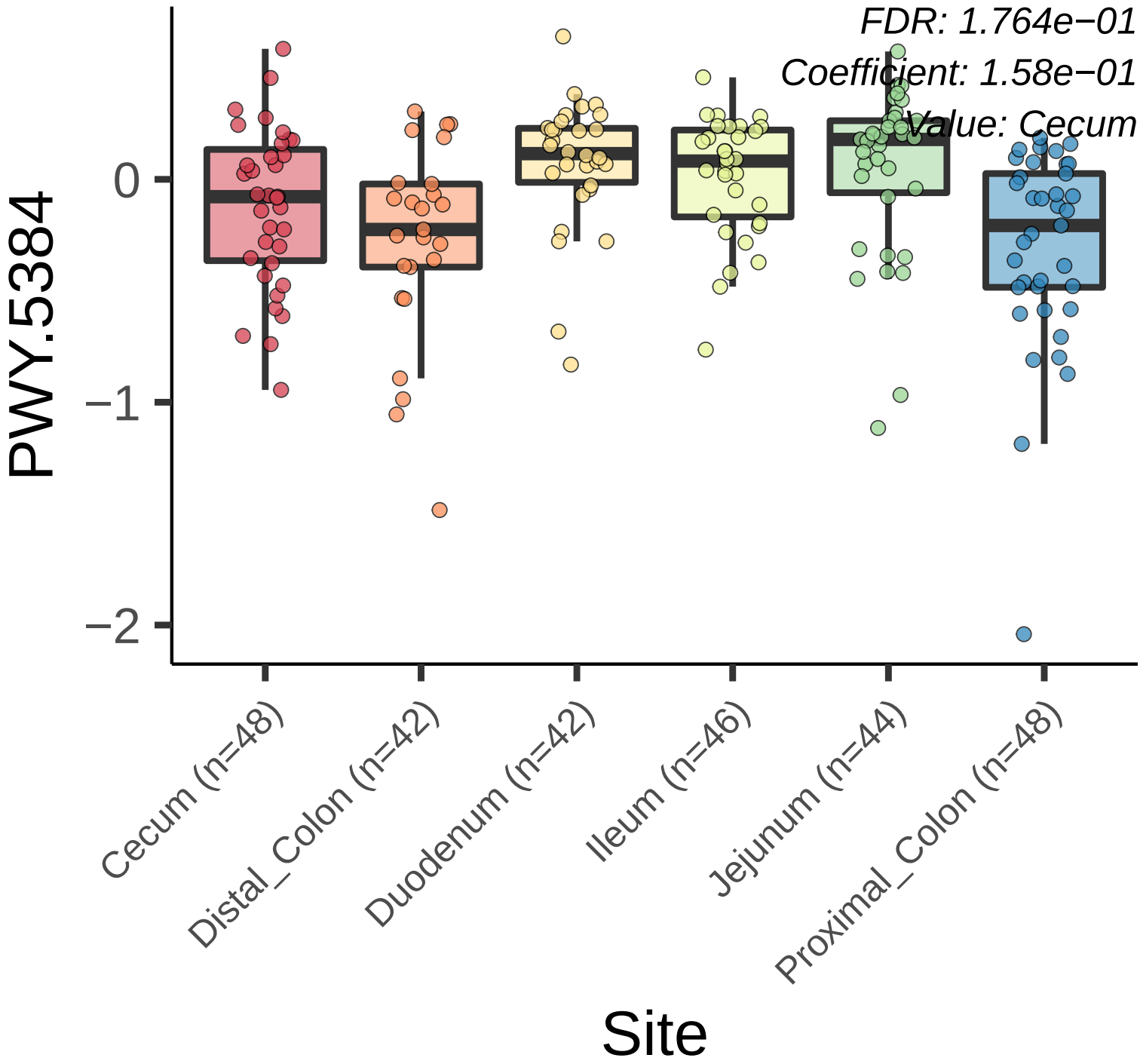

FDR: 1.705e−01
Coefficient: 4.49e−01
Value: Cecum
PWY.5022
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

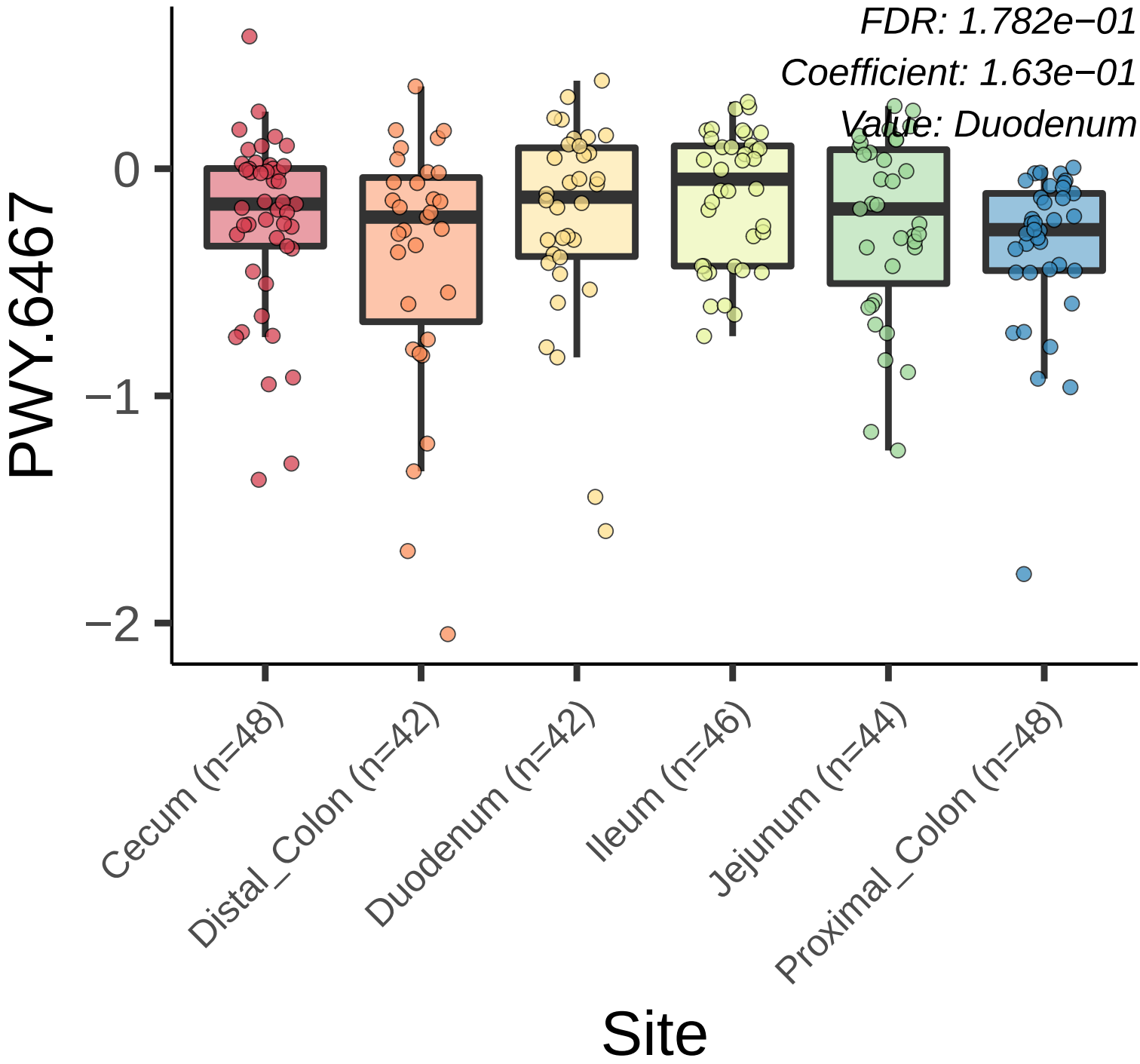

FDR: 1.724e−01
Coefficient: 3.27e−01
Value: Cecum
PWY.5265
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

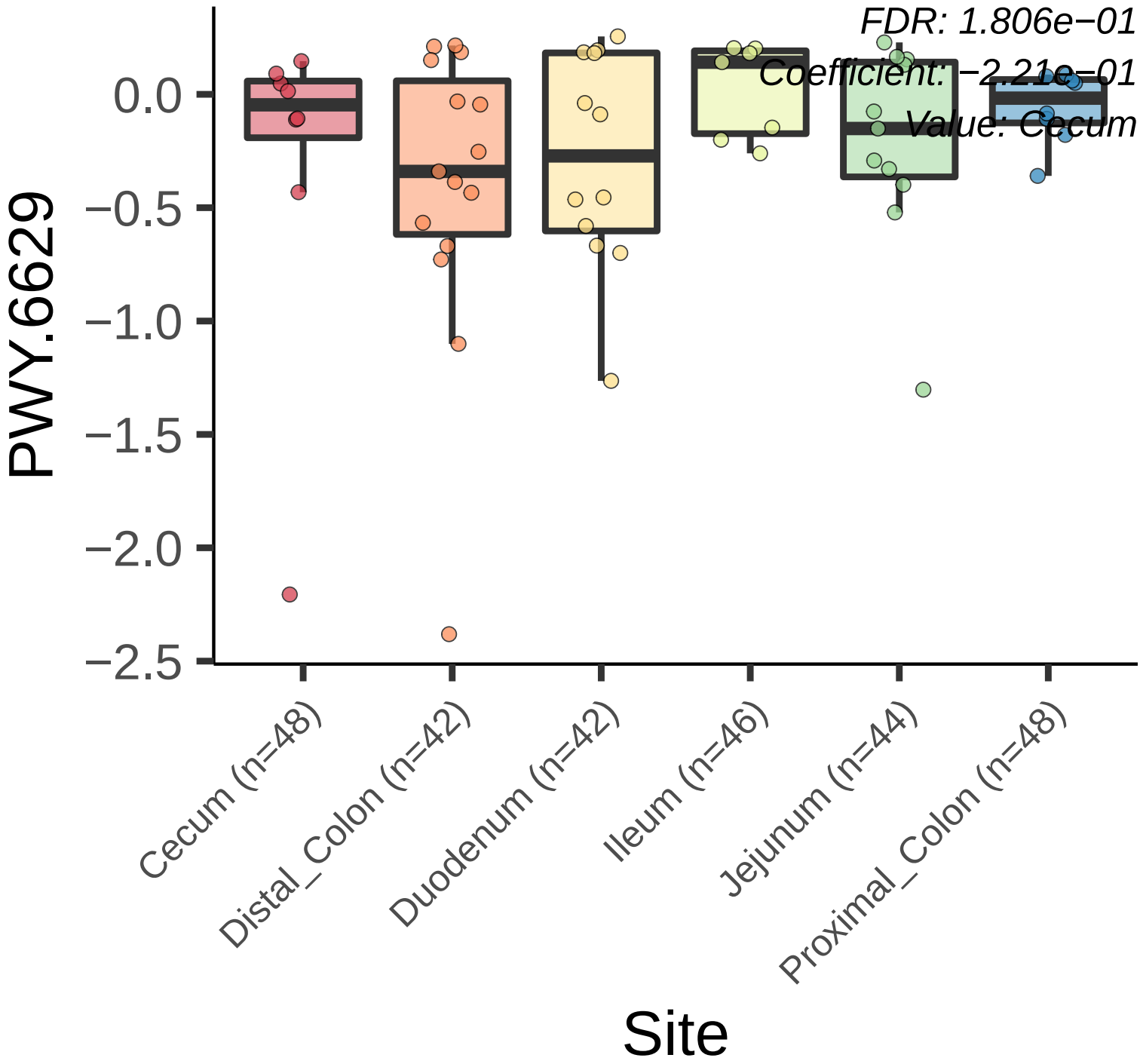

FDR: 1.724e−01
Coefficient: −1.75e−01
Value: Duodenum
PWY.6901
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

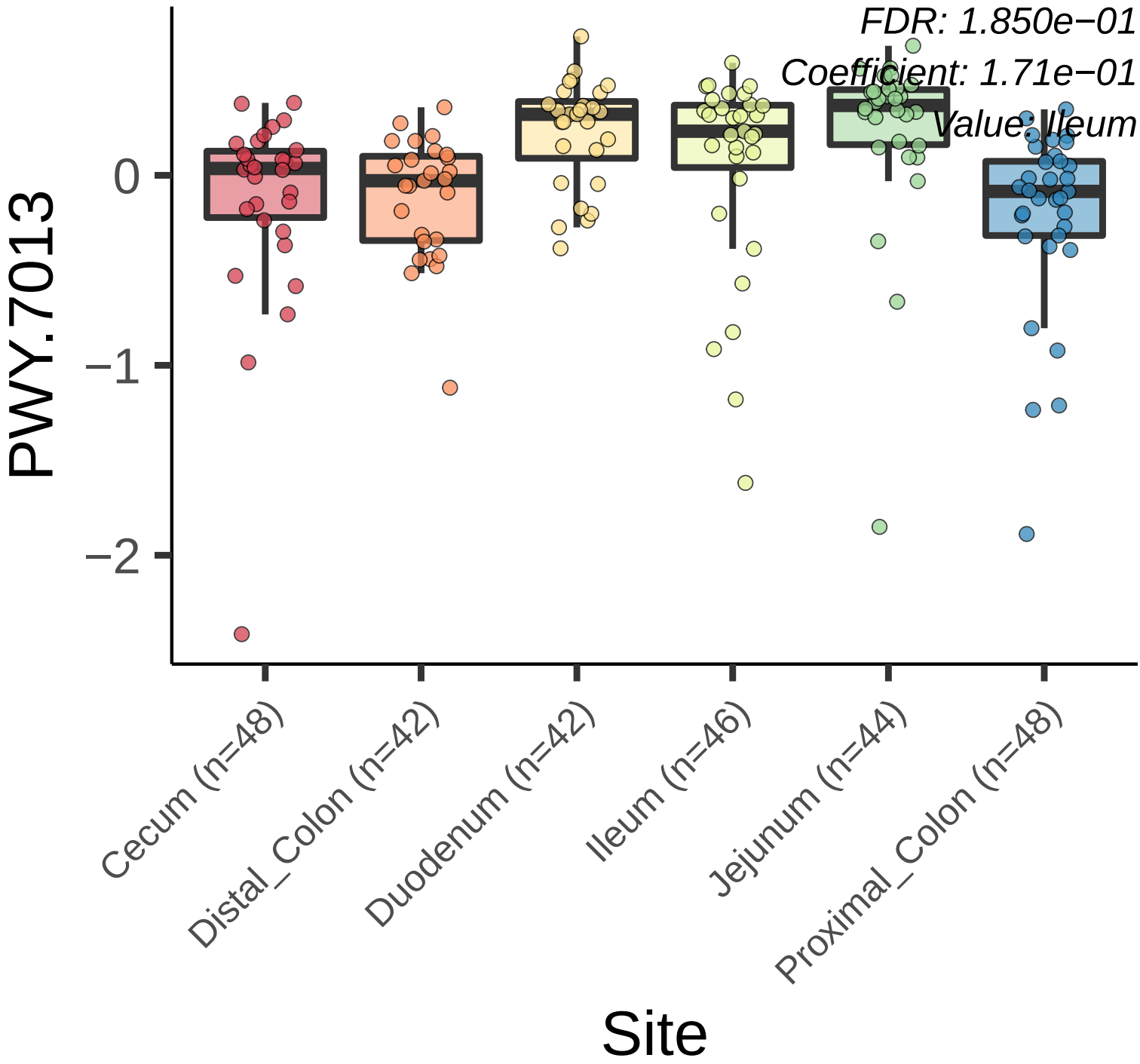

FDR: 1.732e−01
Coefficient: −3.32e−02
Value: Duodenum
PWY.5101
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

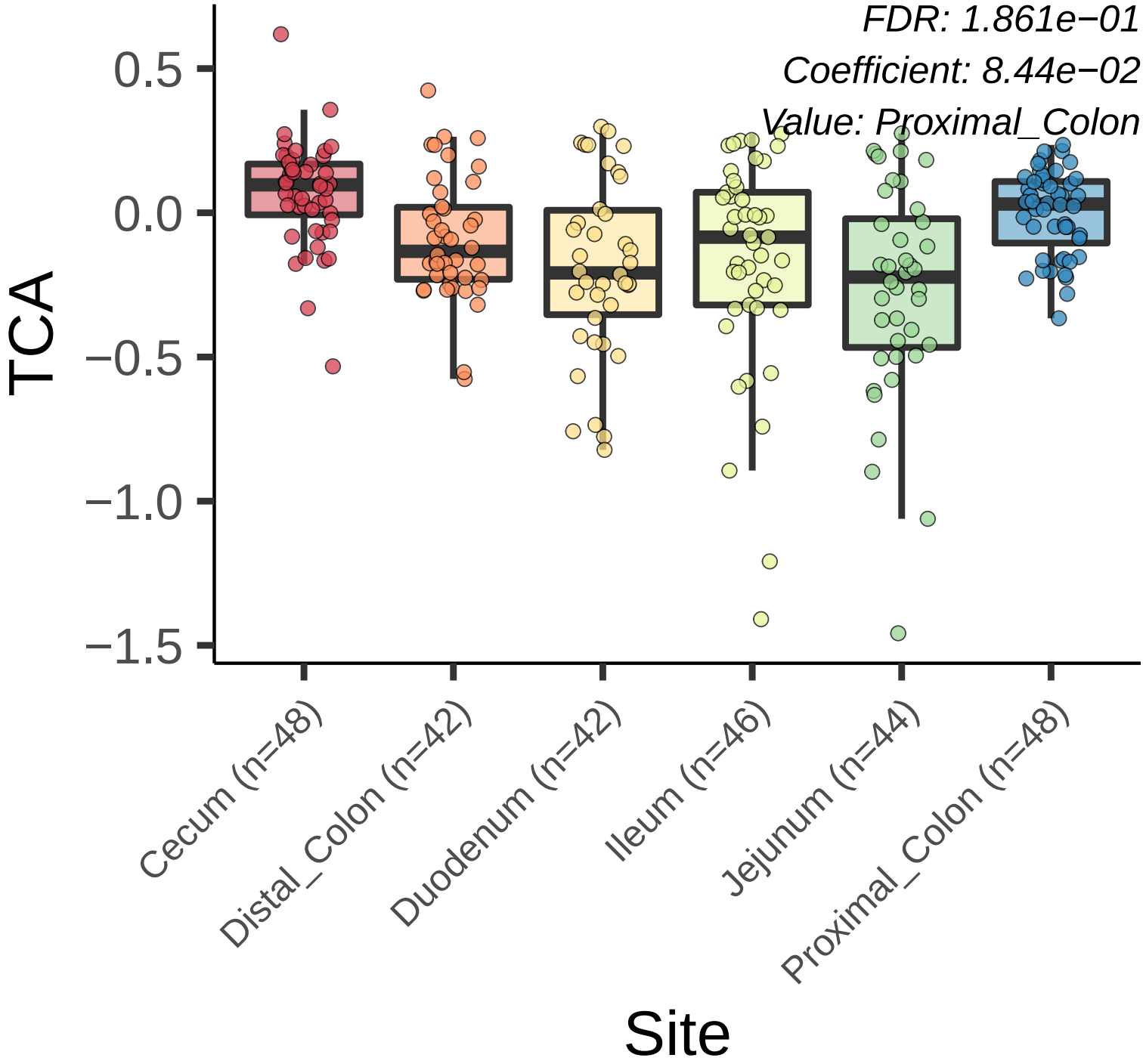

FDR: 1.764e−01
Coefficient: 2.65e−01
Value: Proximal_Colon
ARGORNPROST.PWY
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

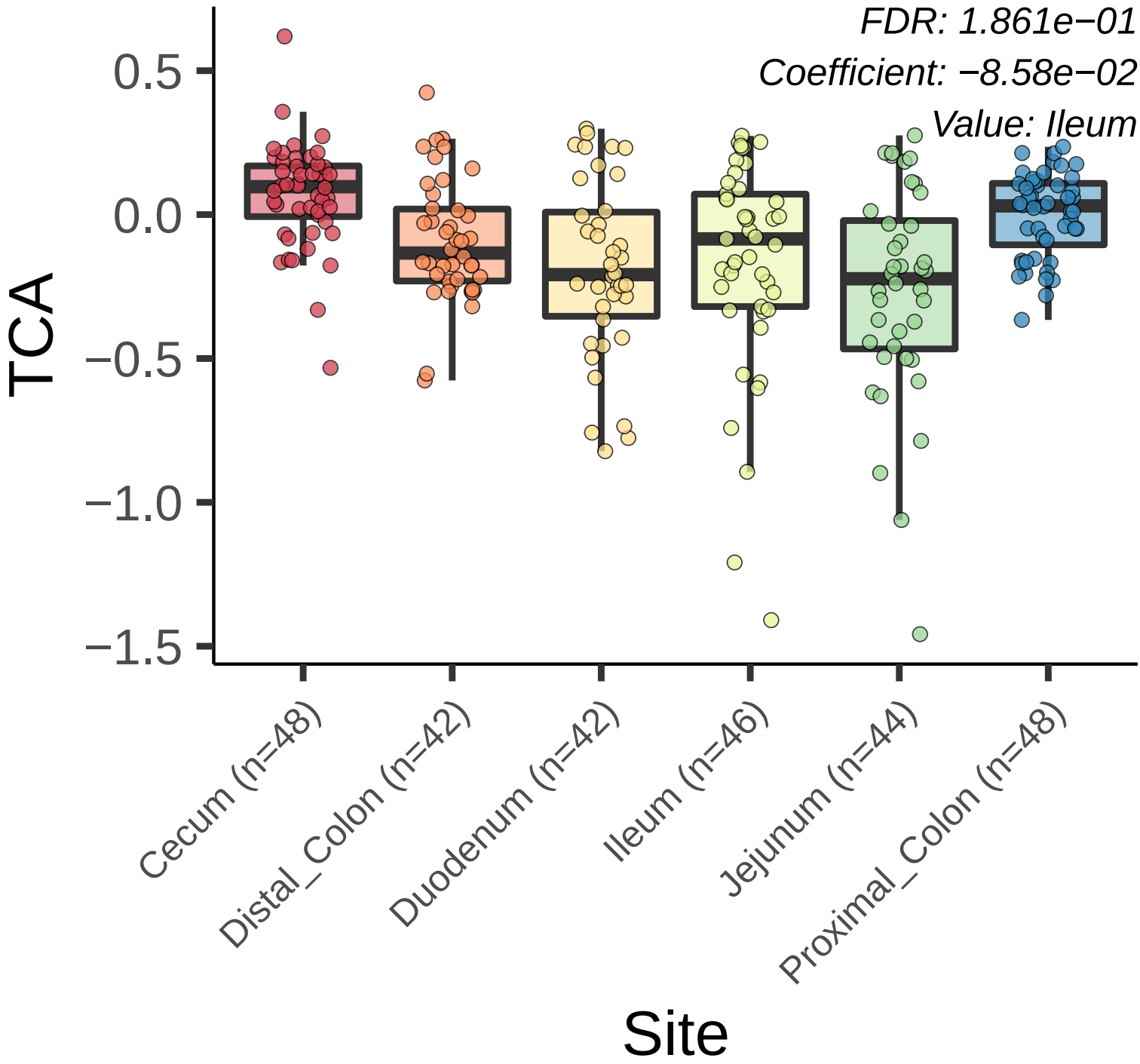

FDR: 1.764e−01
Coefficient: 1.58e−01
Value: Cecum
PWY.5384
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

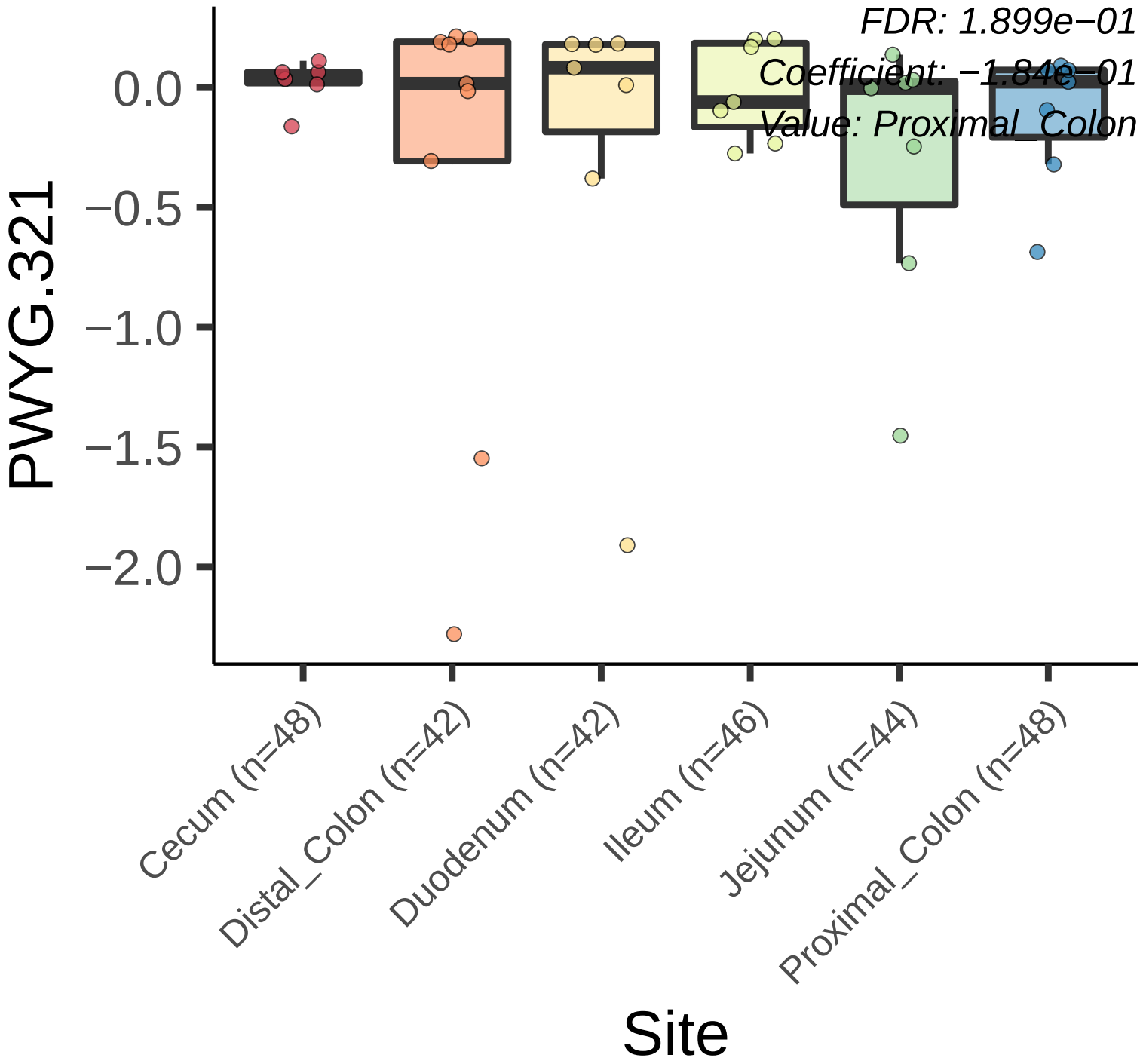

FDR: 1.782e−01
Coefficient: 1.63e−01
Value: Duodenum
PWY.6467
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

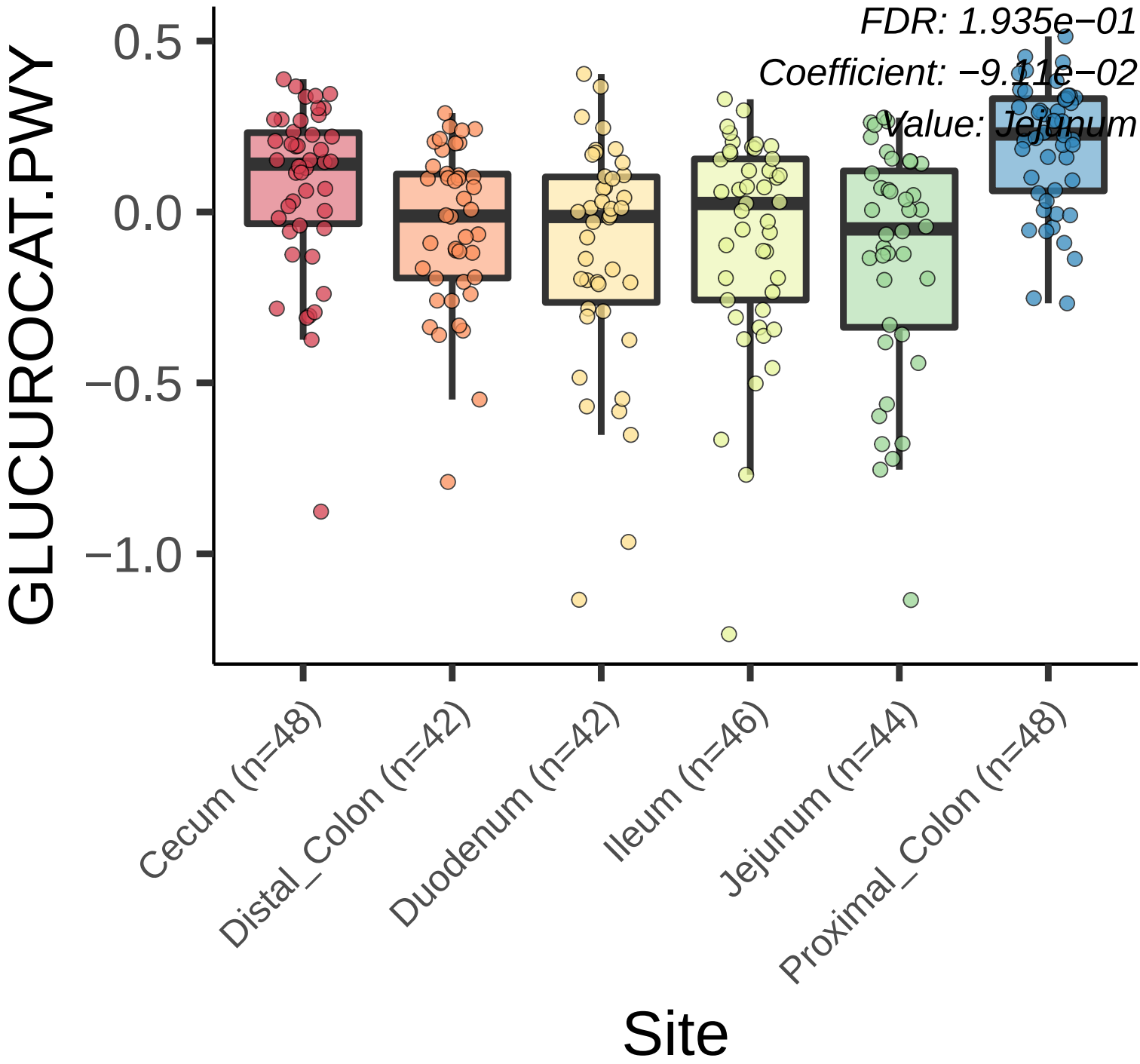

FDR: 1.806e−01
Coefficient: −2.21e−01
Value: Cecum
PWY.6629
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

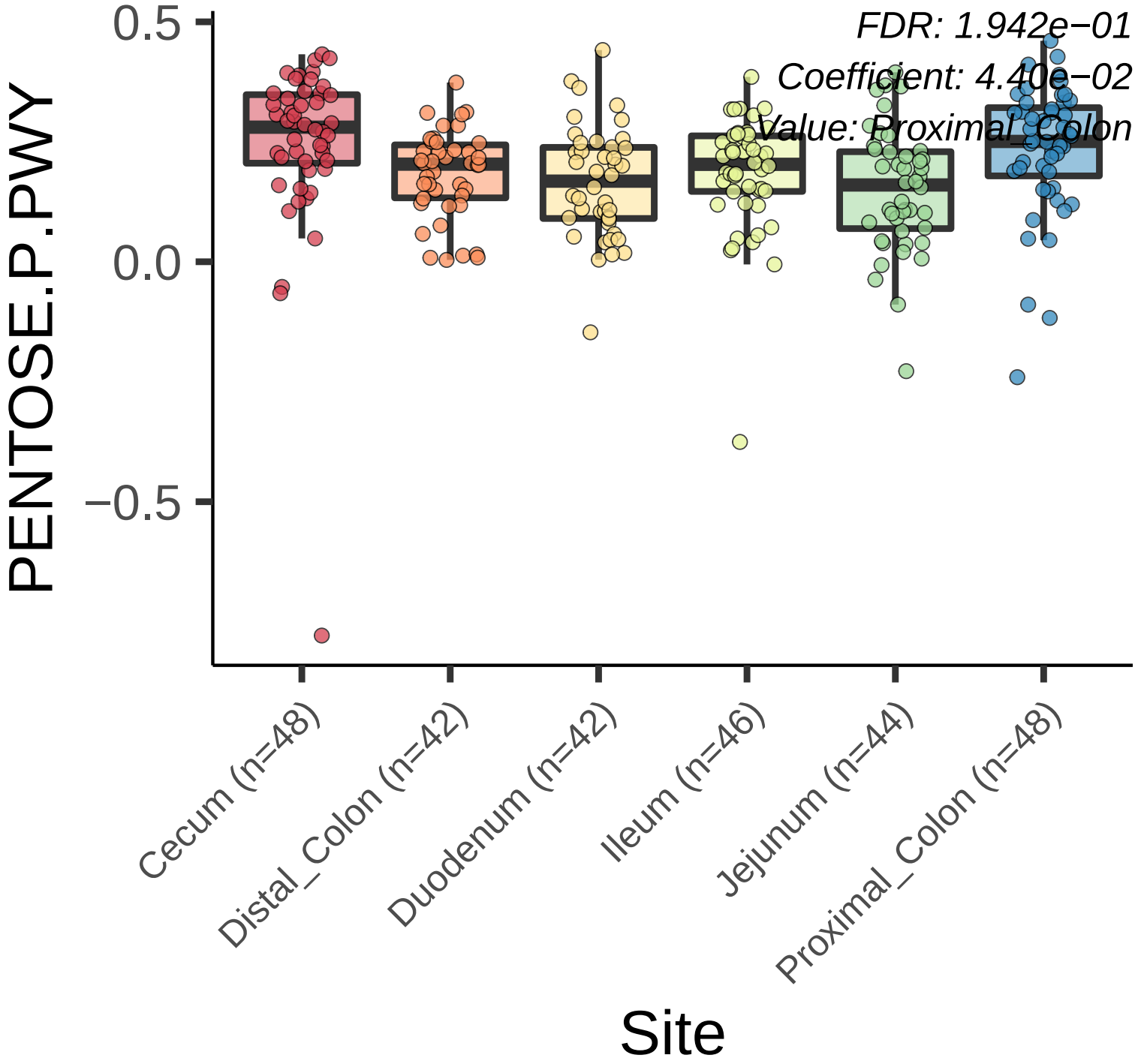

FDR: 1.850e−01
Coefficient: 1.71e−01
Value: Ileum
PWY.7013
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

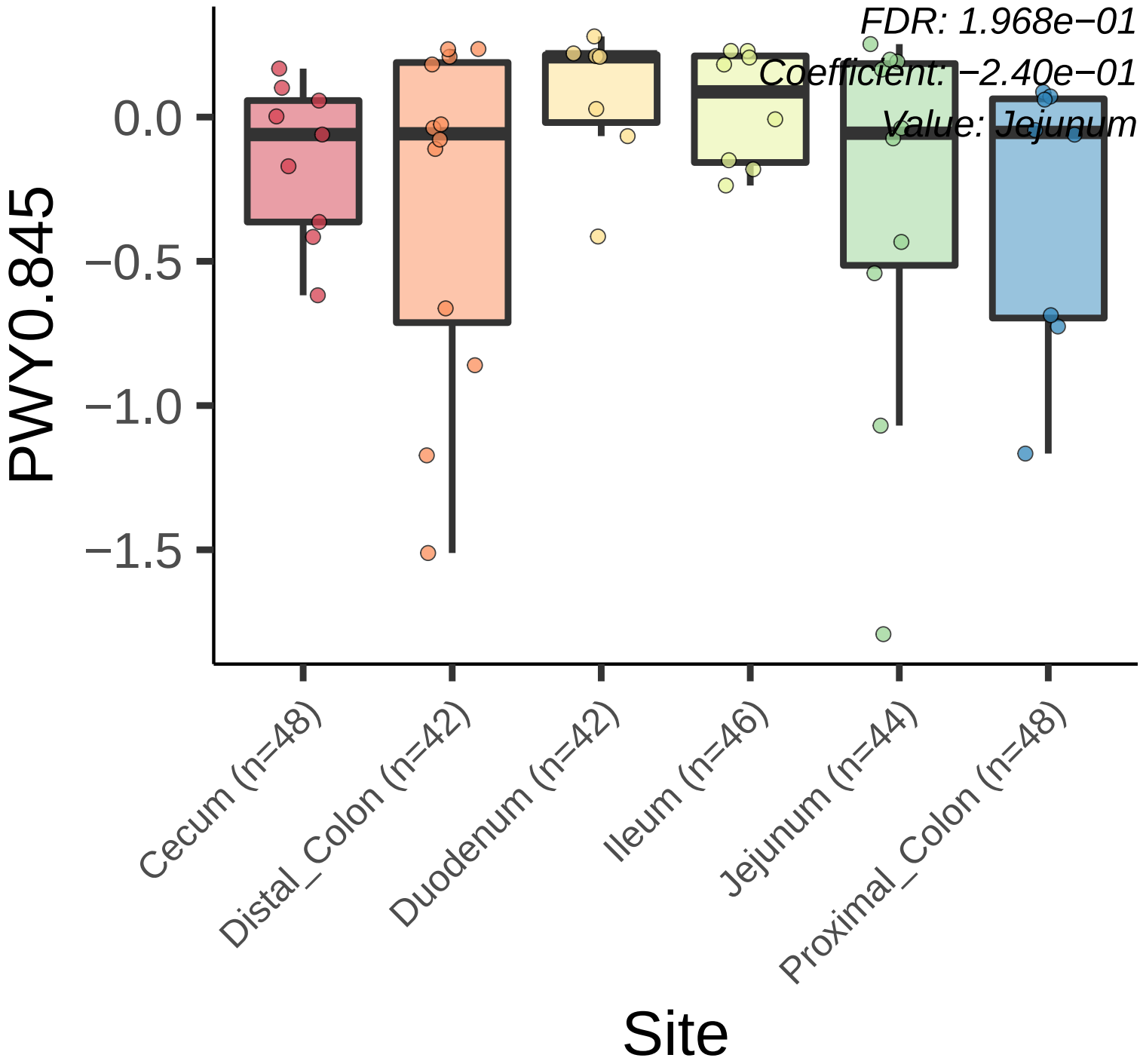

FDR: 1.861e−01
Coefficient: 8.44e−02
Value: Proximal_Colon
TCA
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

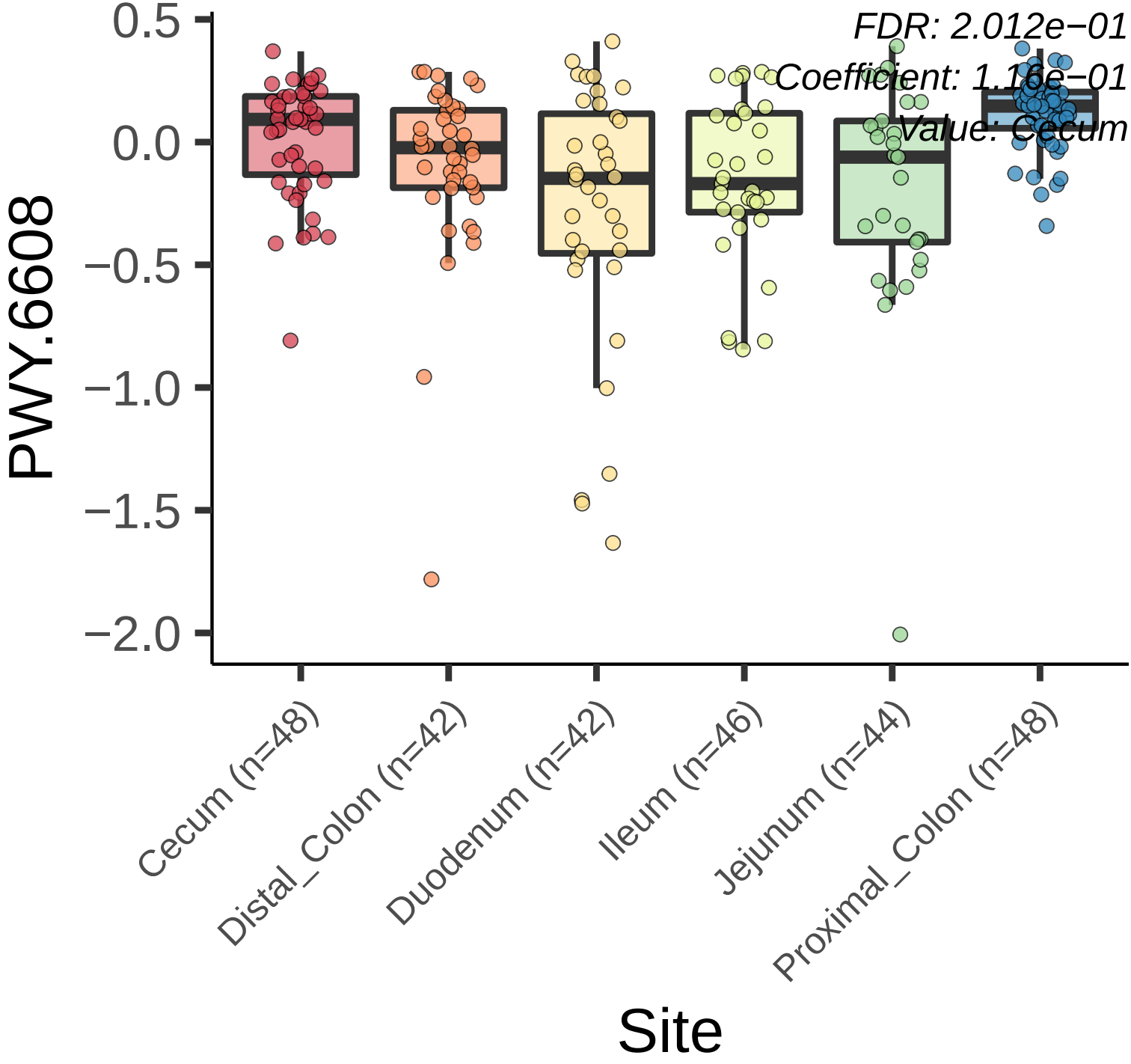

FDR: 1.861e−01
Coefficient: −8.58e−02
Value: Ileum
TCA
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

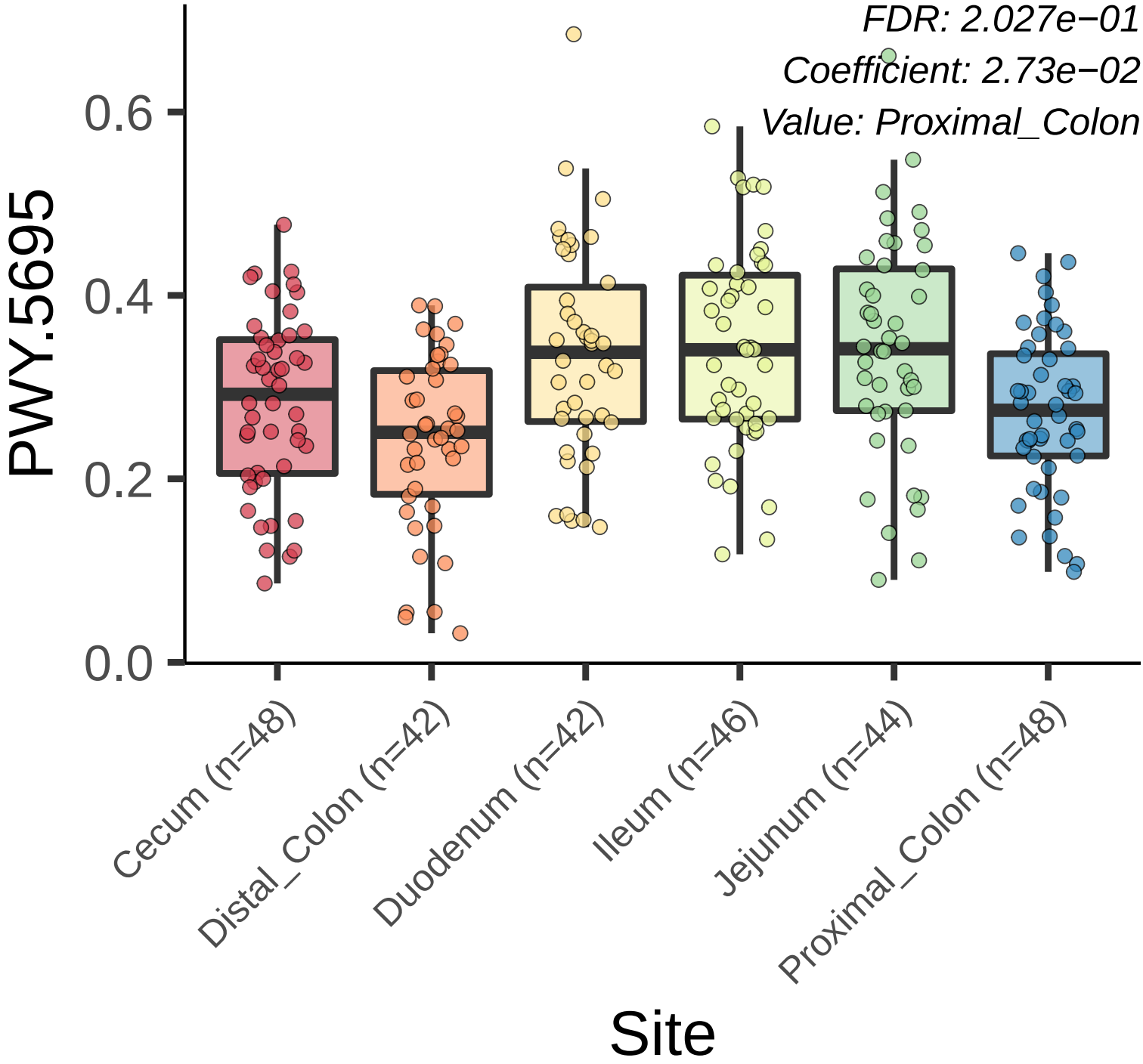

FDR: 1.899e−01
Coefficient: −1.846e−01
Value: Proximal_Colon
PWYG.321
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

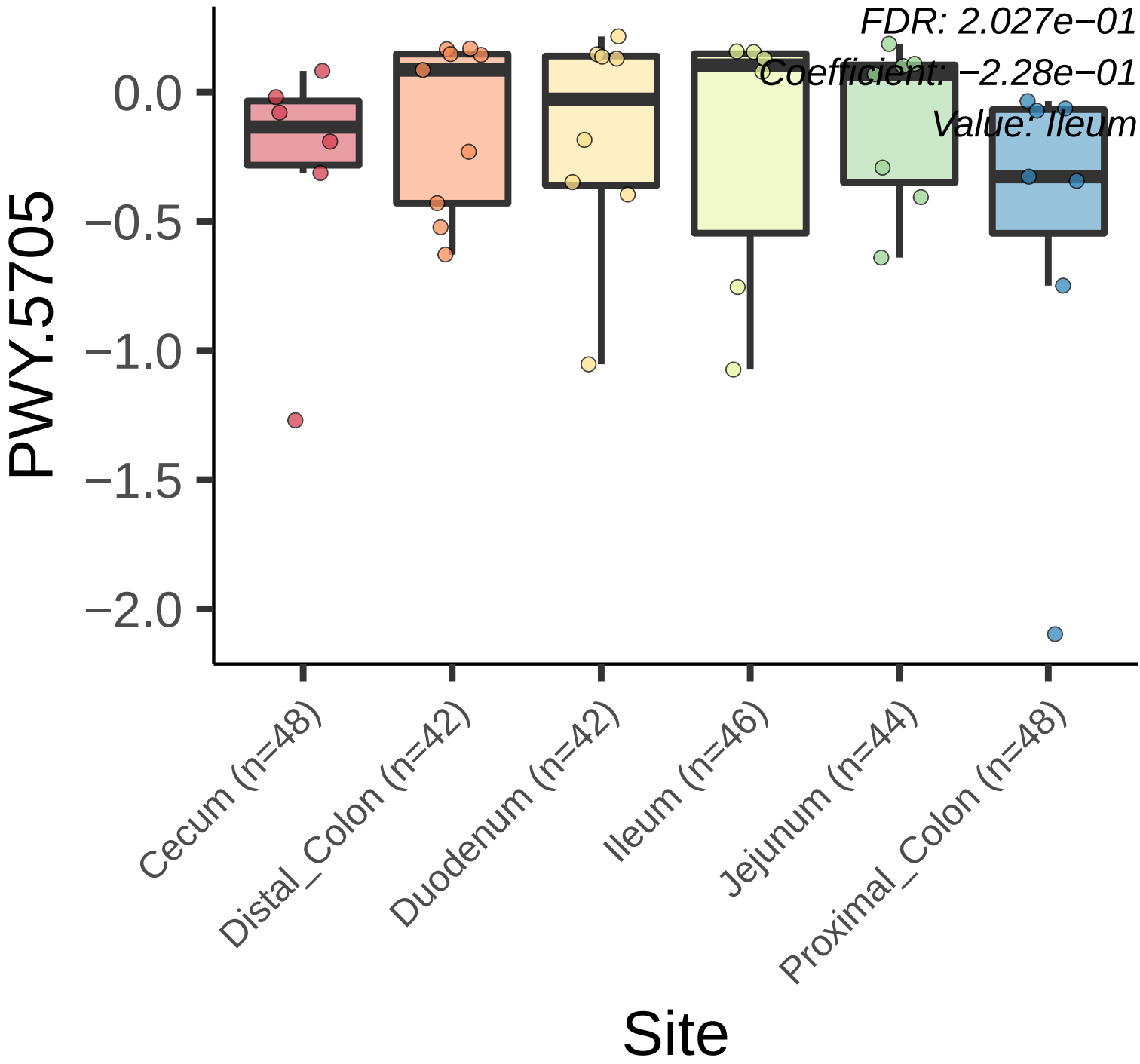

FDR: 1.935e−01
Coefficient: −9.11e−02
Value: Jejunum
GLUCUROCAT.PWY
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

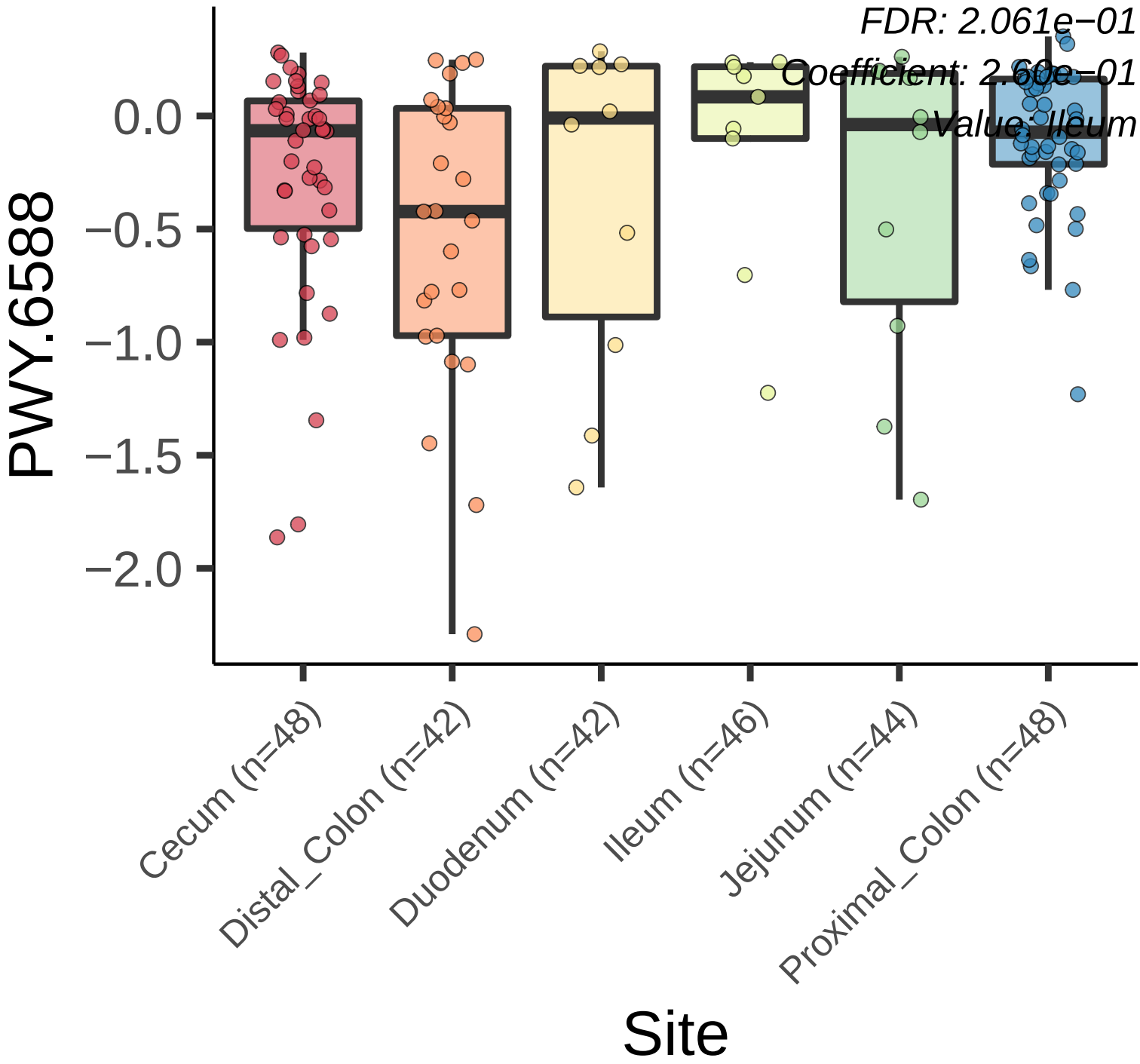

FDR: 1.942e−01
Coefficient: 4.40e−02
Value: Proximal_Colon
PENTOSE.P.PWY
0.5
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

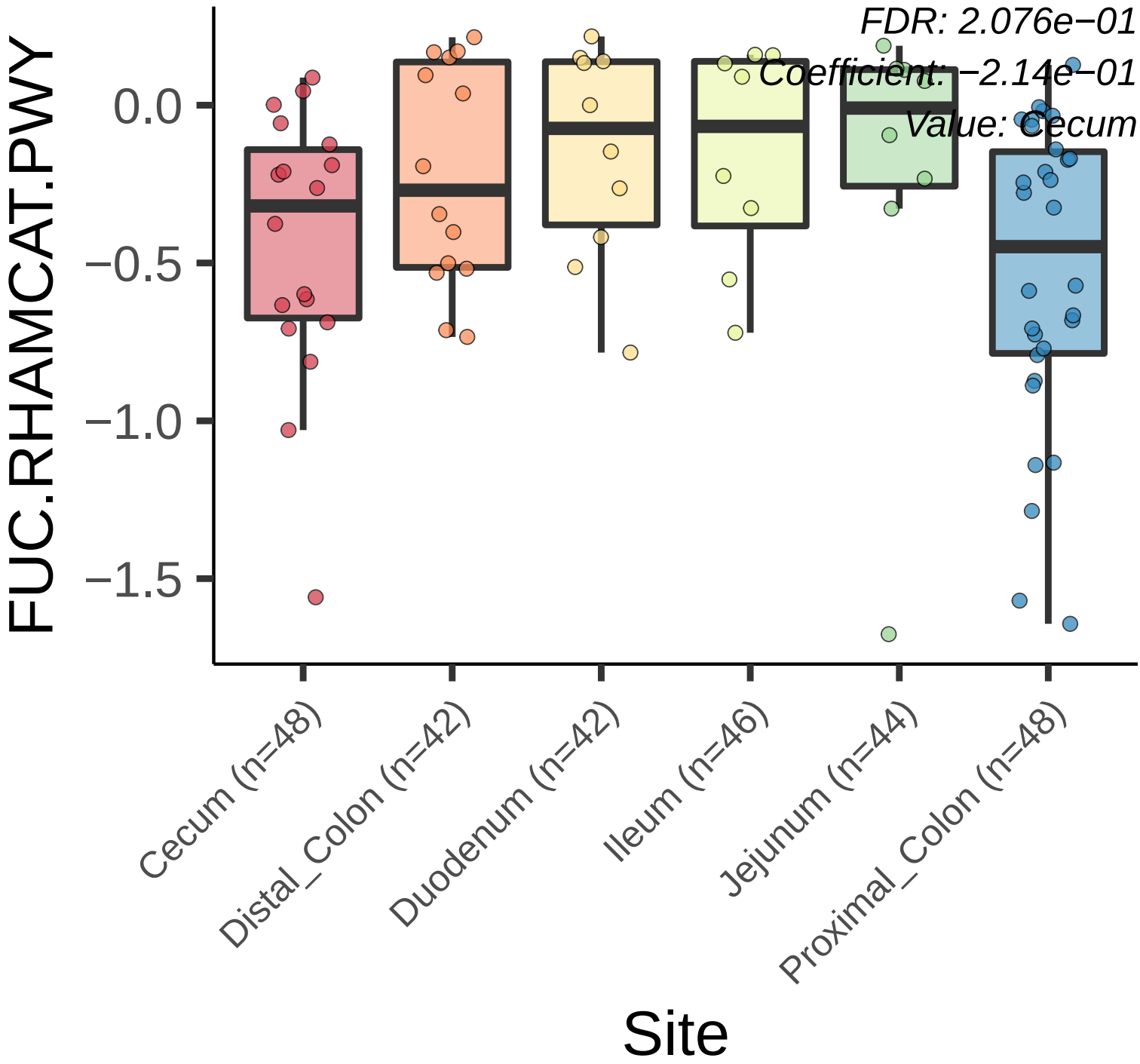

FDR: 1.968e−01
Coefficient: −2.40e−01
Value: Jejunum
PWY0.845
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

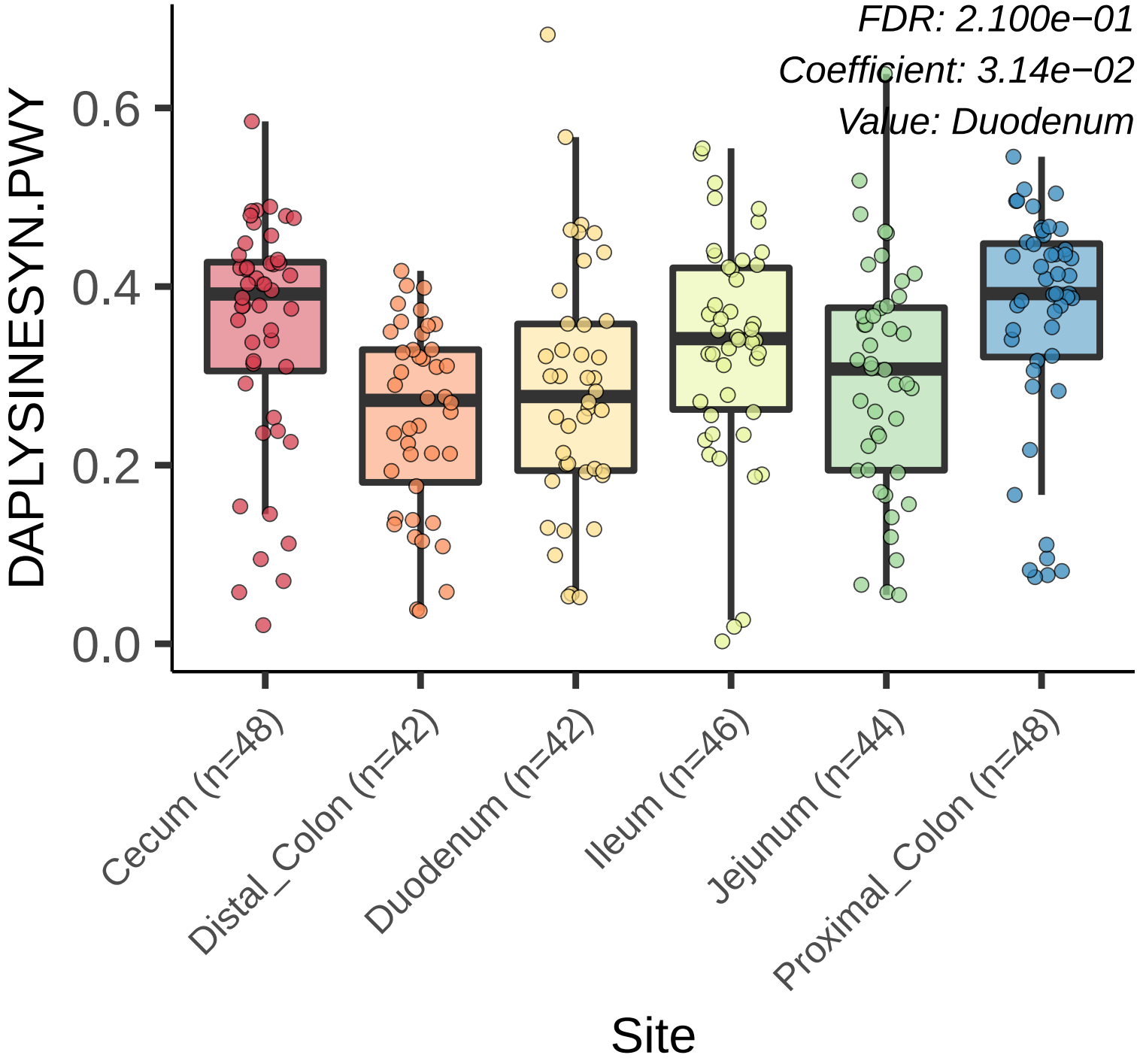

FDR: 2.012e−01
Coefficient: 1.16e−01
Value: Cecum
PWY.6608
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

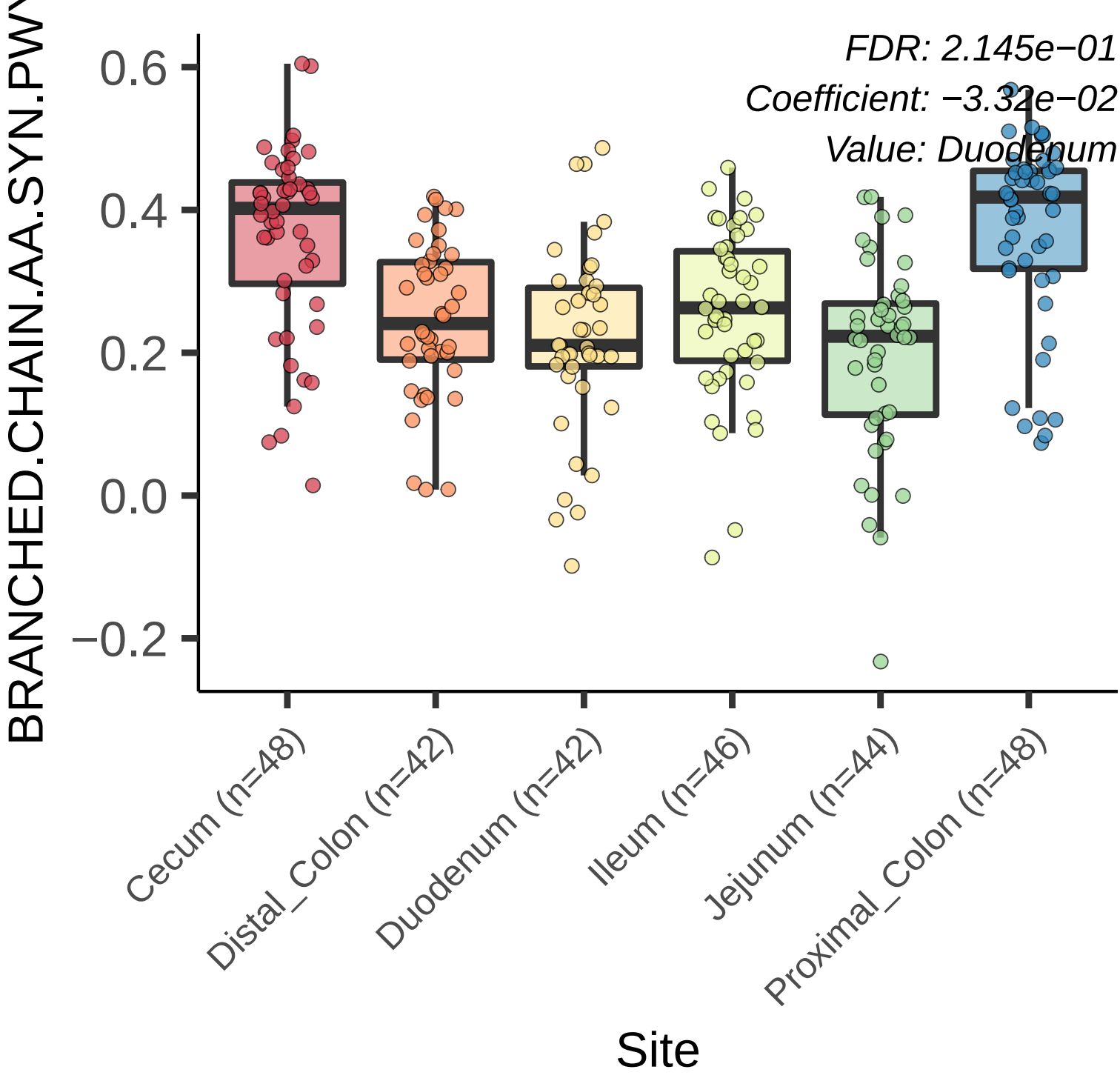

FDR: 2.027e−01
Coefficient: 2.73e−02
Value: Proximal_Colon
PWY.5695
0.0
0.2
0.4
0.6
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

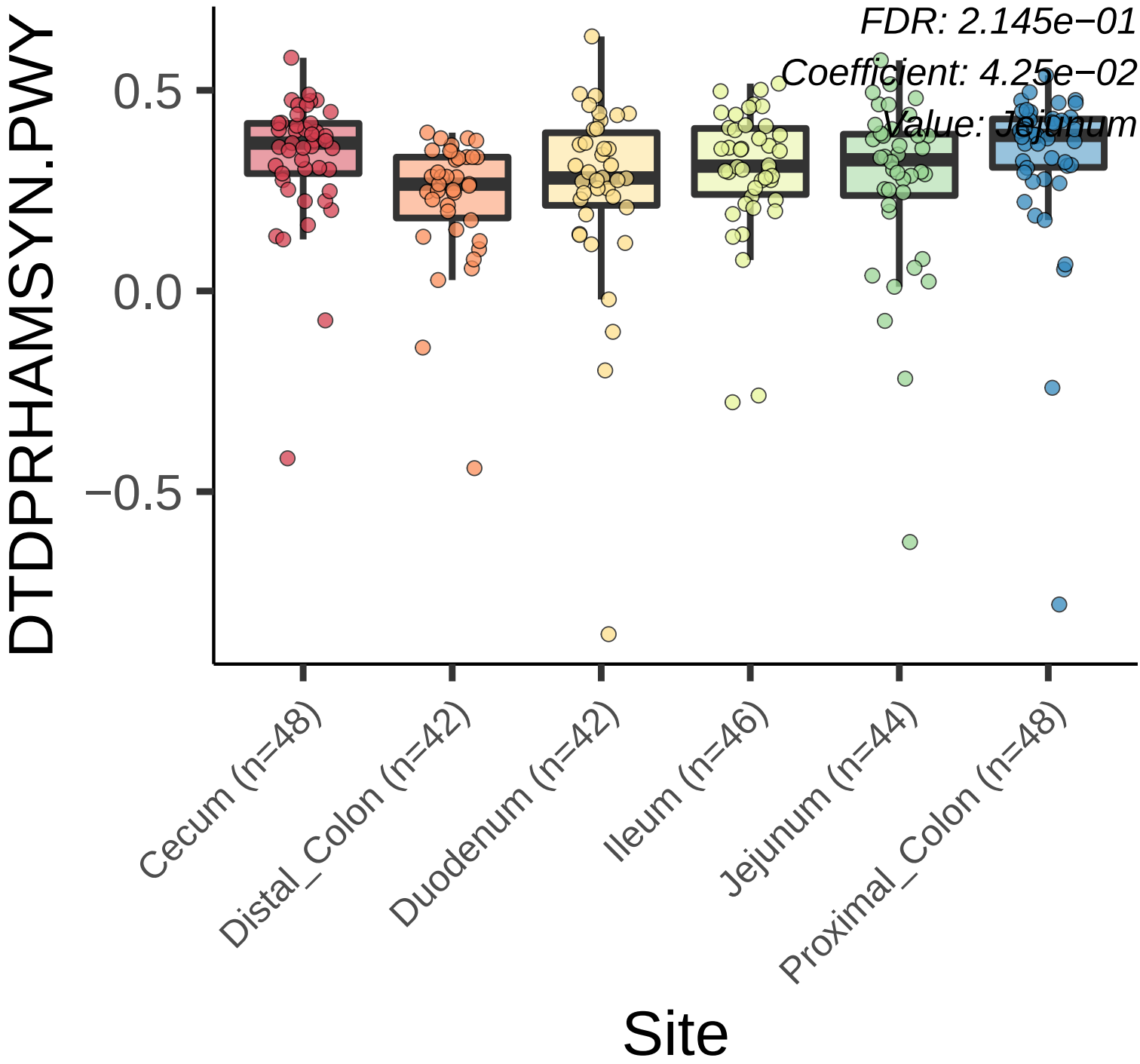

FDR: 2.027e−01
Coefficient: −2.28e−01
Value: Ileum
PWY.5705
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

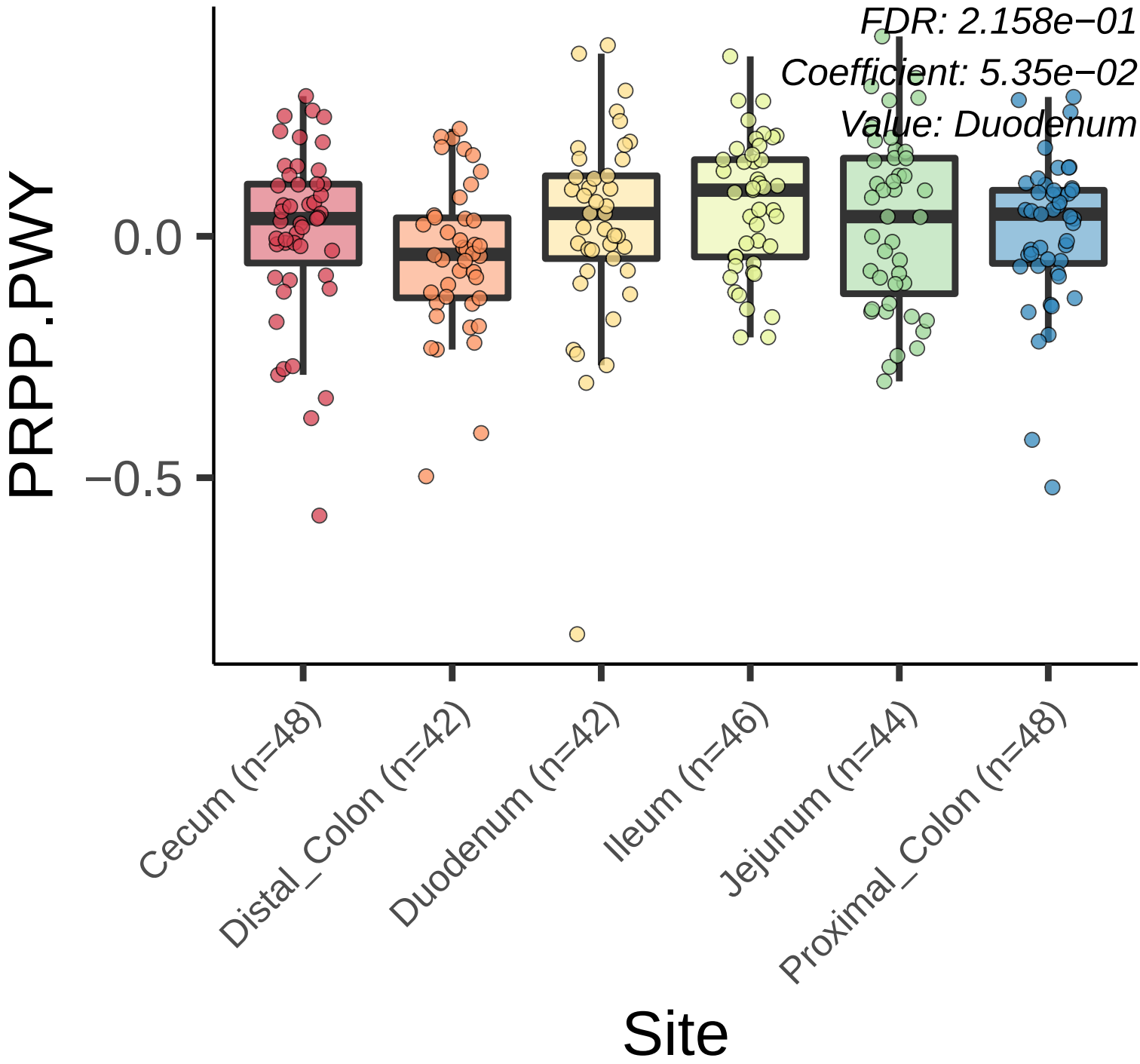

FDR: 2.061e−01
Coefficient: 2.60e−01
Value: Ileum
PWY.6588
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

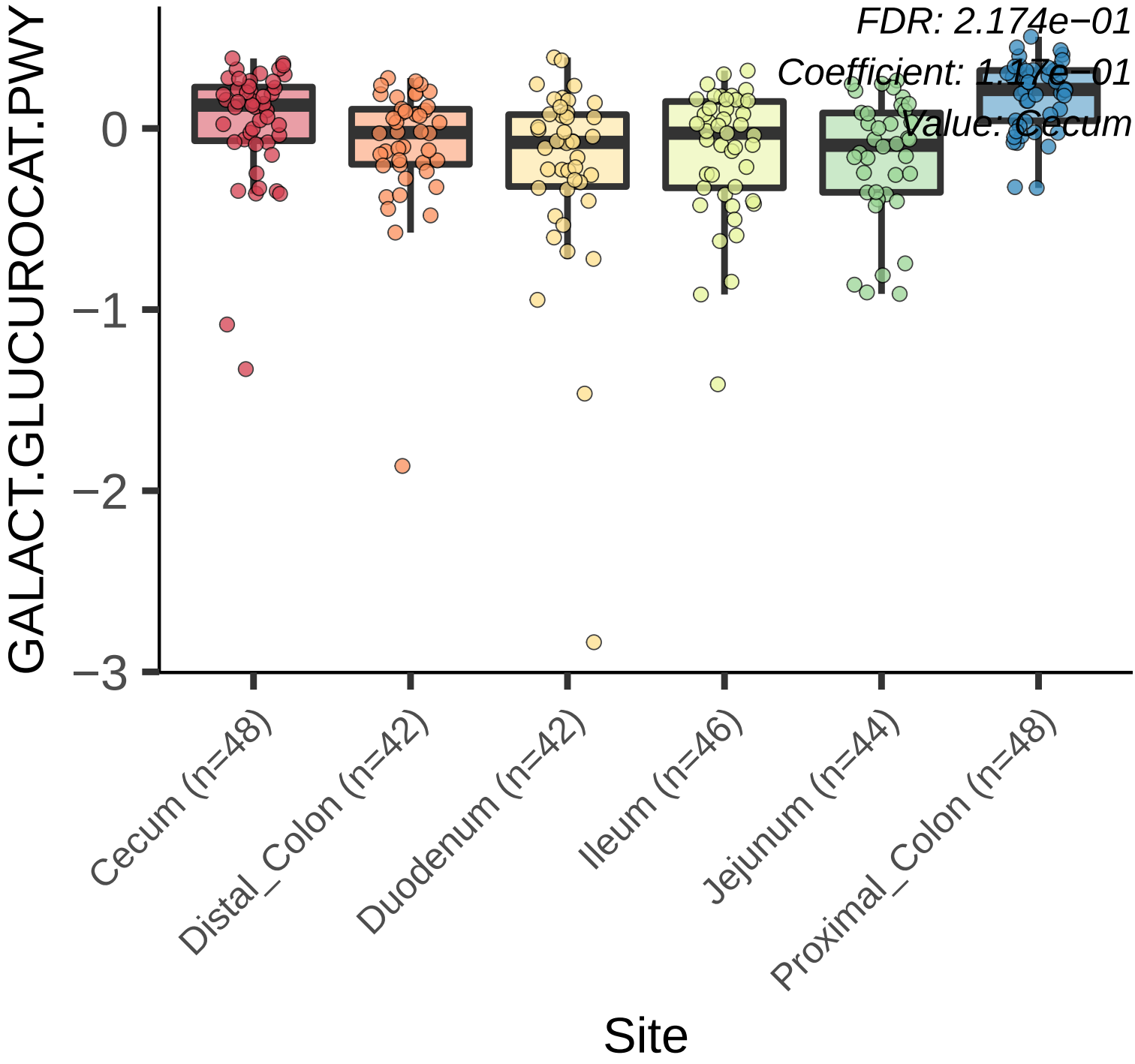

FDR: 2.076e−01
Coefficient: −2.14e−01
Value: Cecum
FUC.RHAMCAT.PWY
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

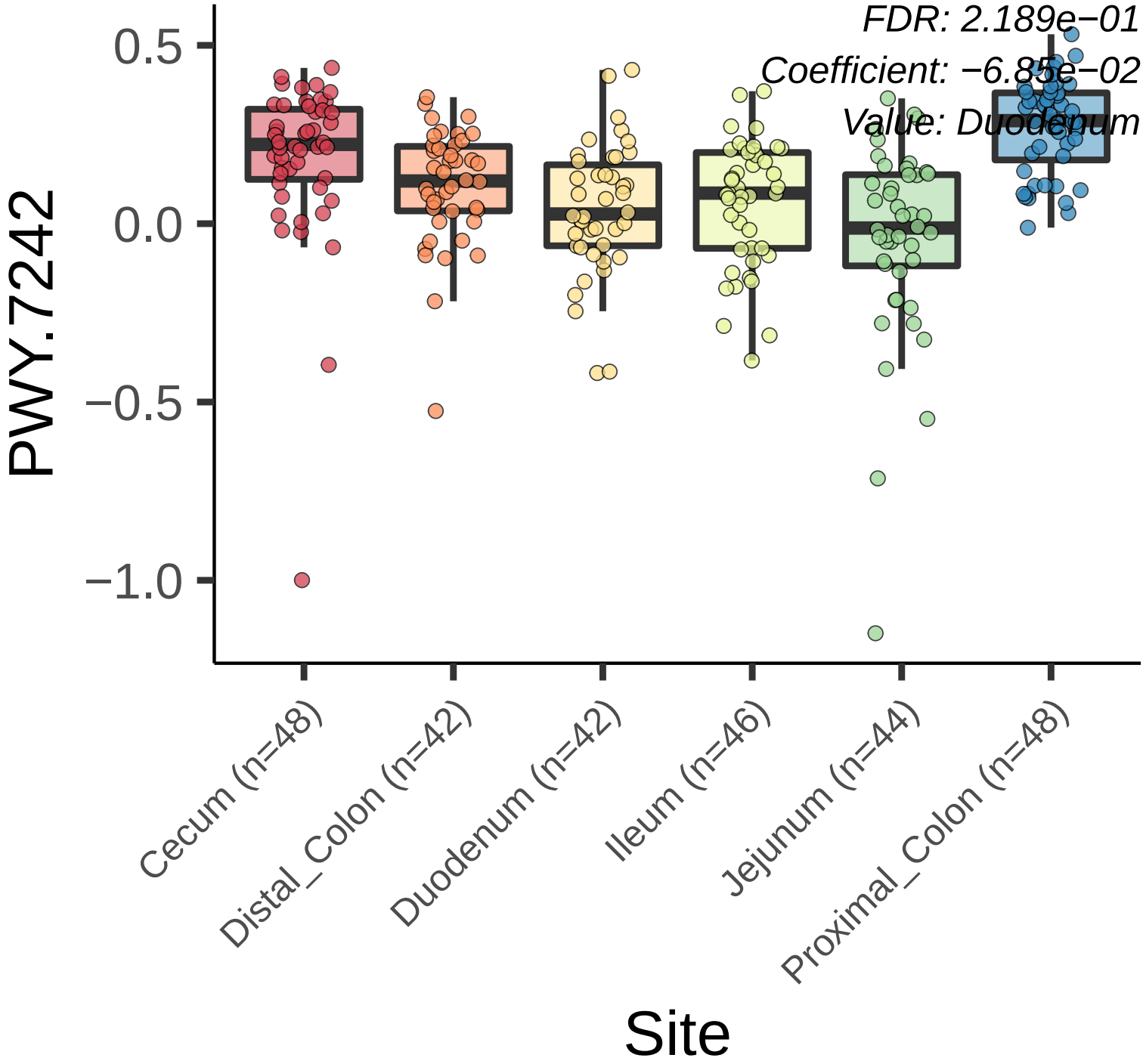

FDR: 2.100e−01
Coefficient: 3.14e−02
Value: Duodenum
DAPLYSINESYN.PWY
0.6
0.4
0.2
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

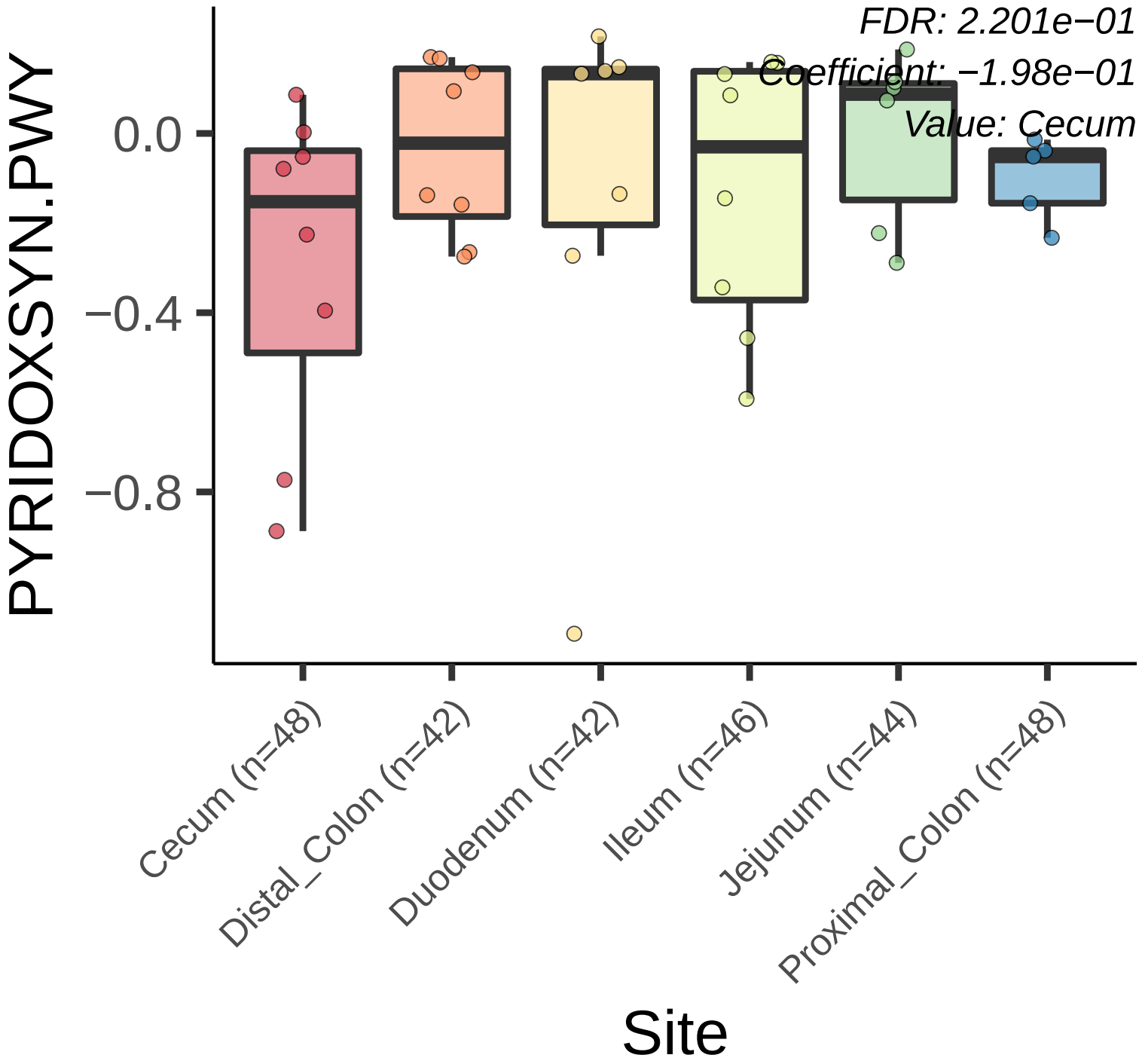

FDR: 2.145e−01
Coefficient: −3.32e−02
Value: Duodenum
BRANCHED.CHAIN.AA.SYN.PWY
0.6
0.4
0.2
0.0
−0.2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

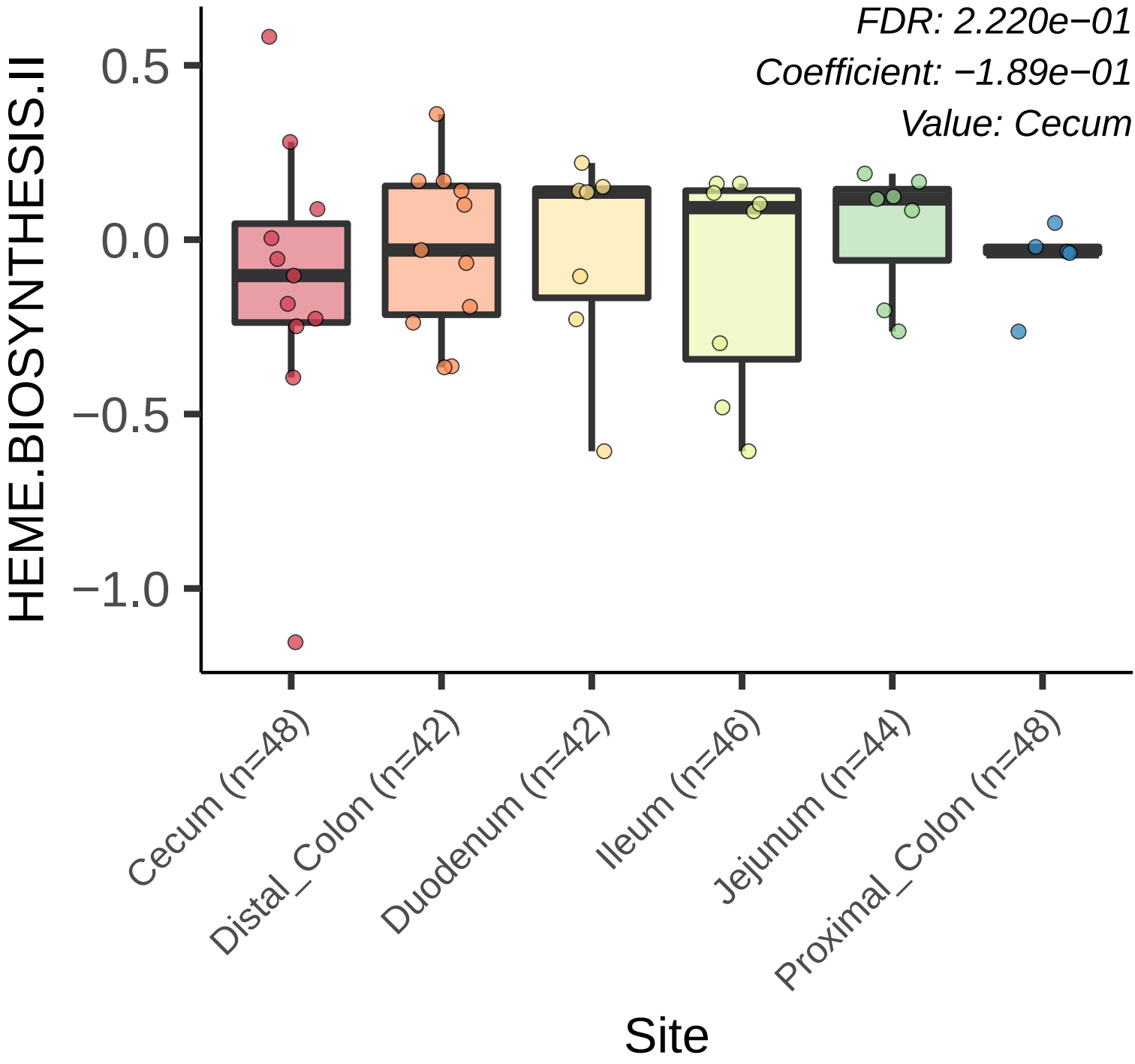

FDR: 2.145e−01
Coefficient: 4.25e−02
Value: Jejunum
DTDPRHAMSYN.PWY
0.5
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

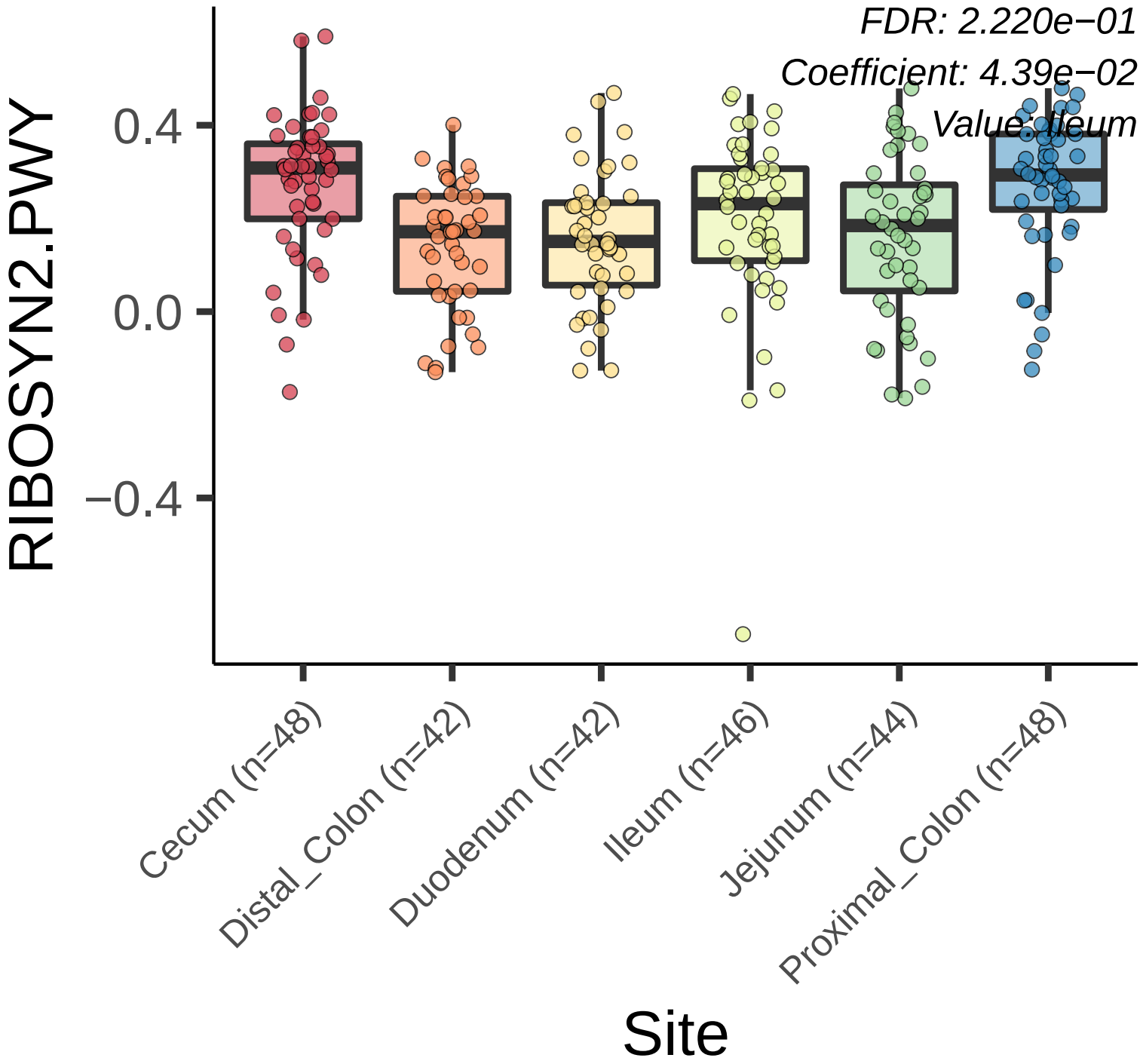

FDR: 2.158e−01
Coefficient: 5.35e−02
Value: Duodenum
PRPP.PWY
0.0
−0.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

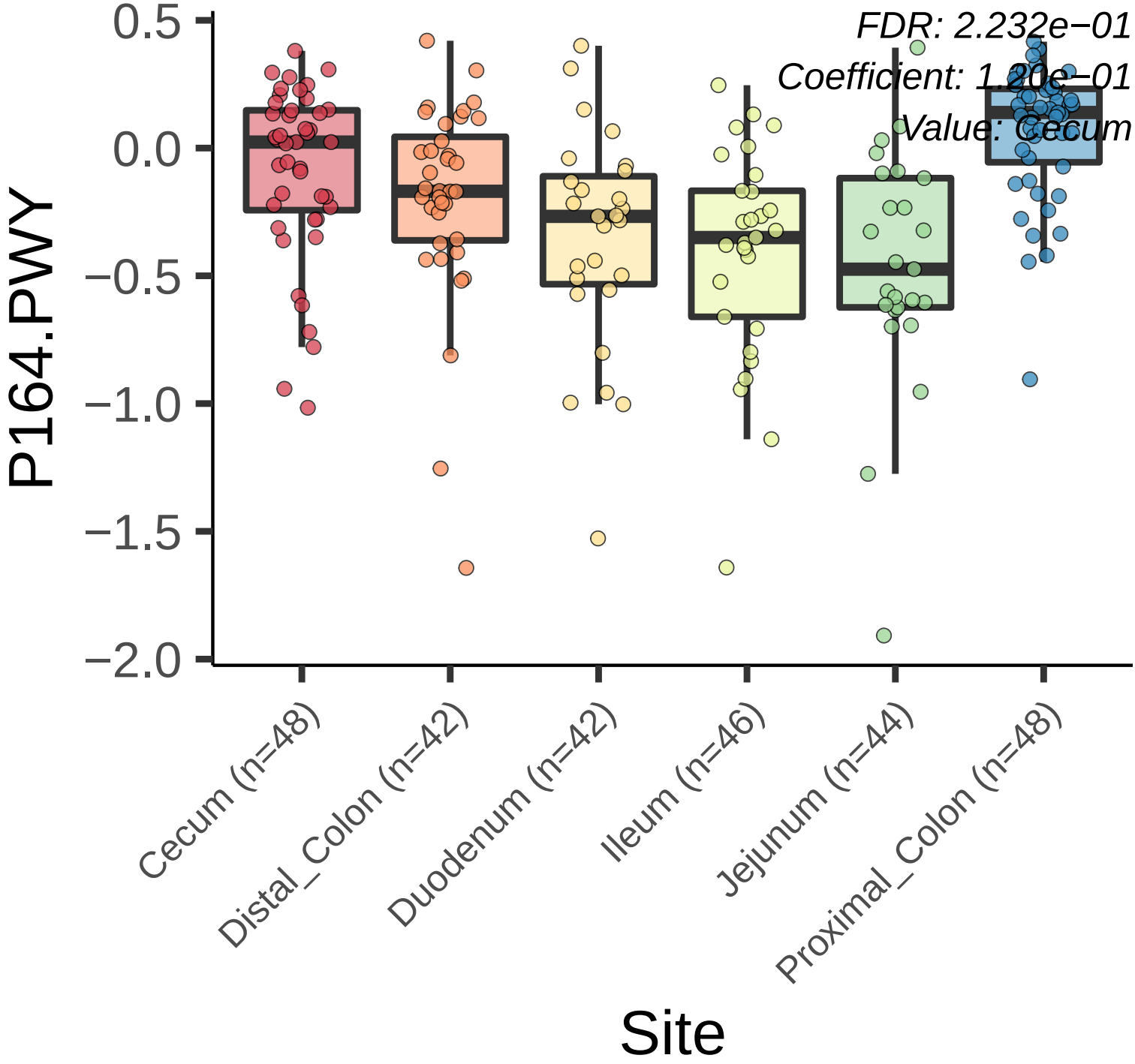

FDR: 2.174e−01
Coefficient: 1.17e−01
Value: Cecum
GALACT.GLUCUROCAT.PWY
0
−1
−2
−3
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

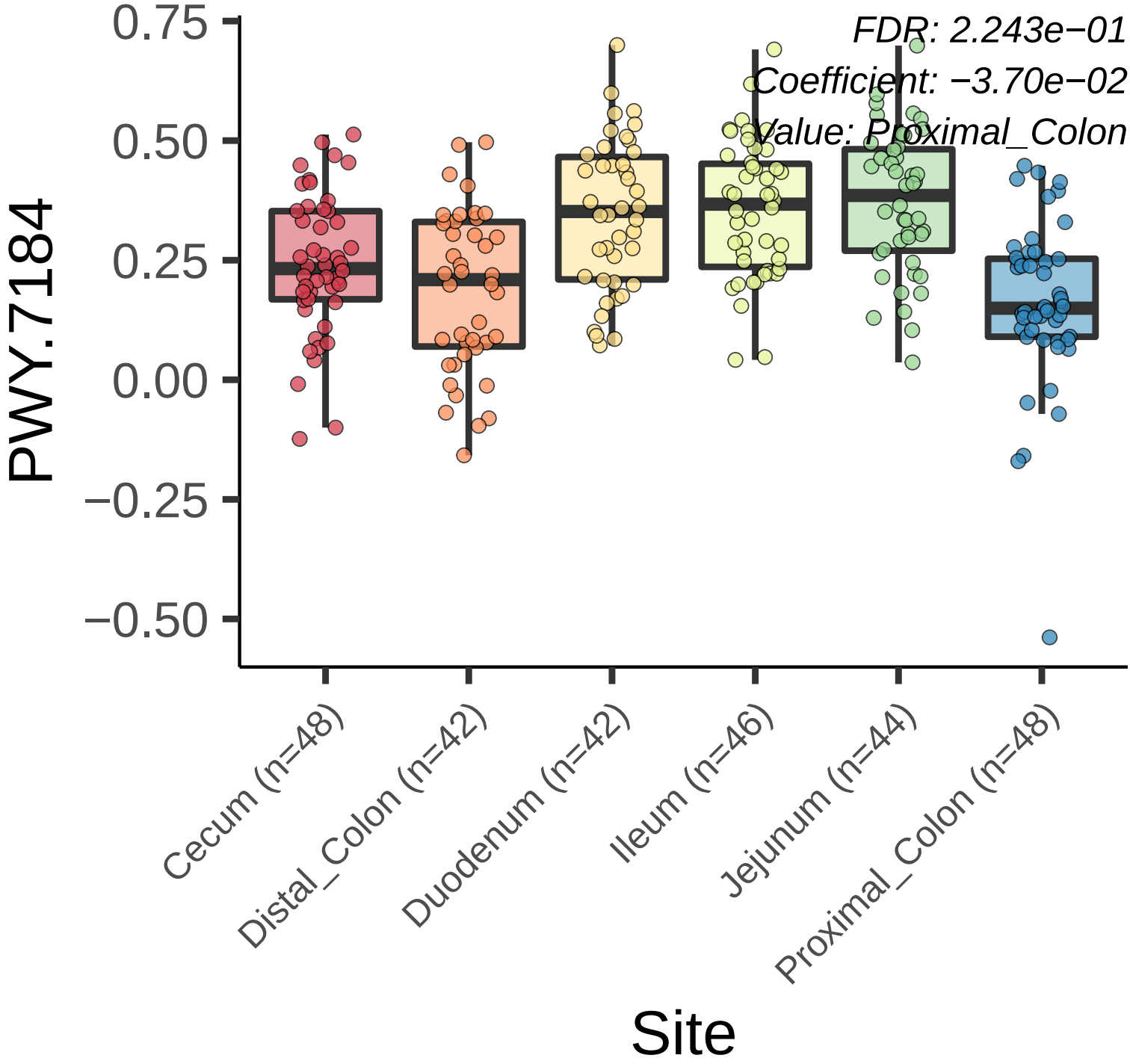

FDR: 2.189e−01
Coefficient: −6.85e−02
Value: Duodenum
PWY.7242
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

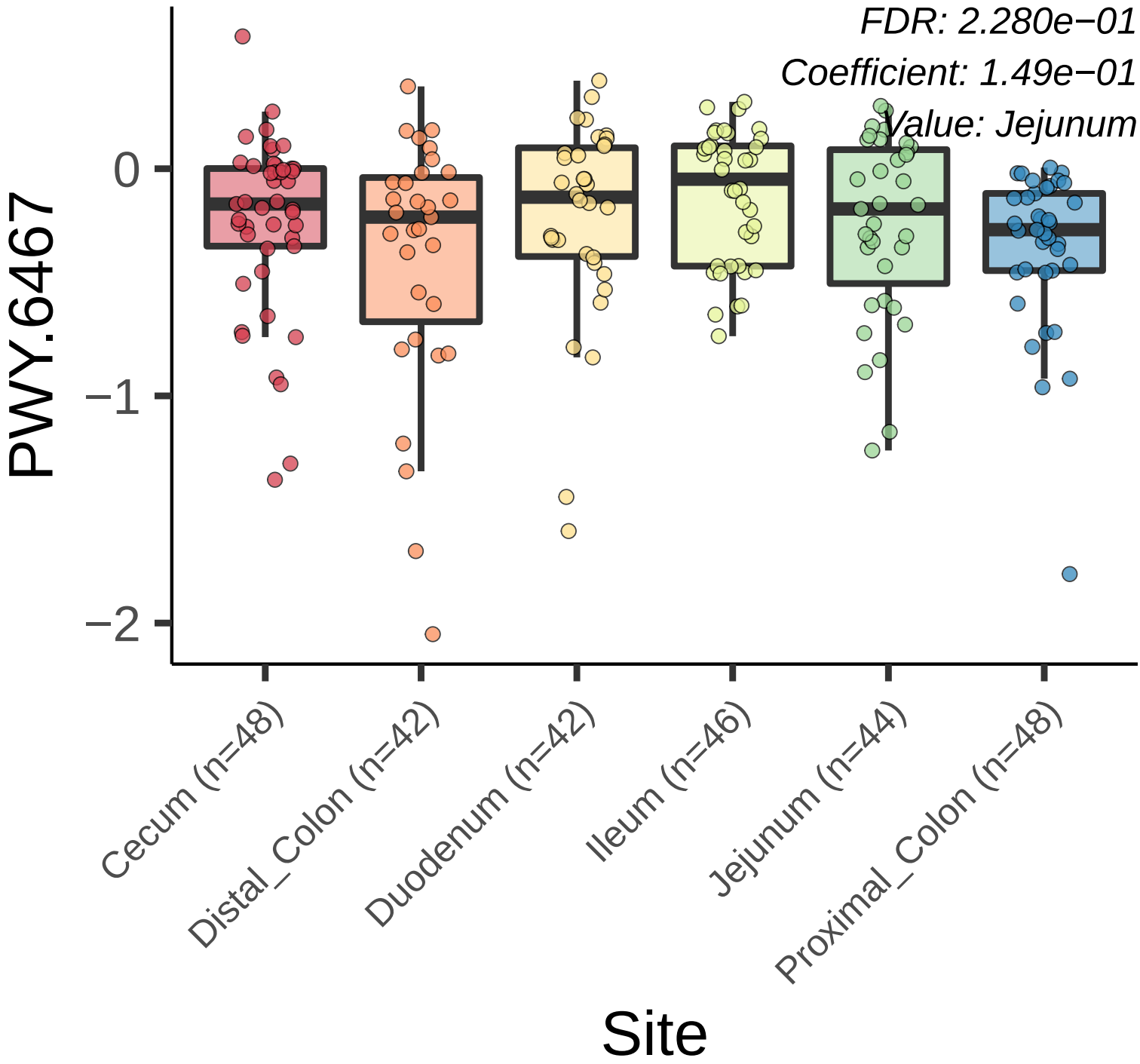

FDR: 2.201e−01
Coefficient: −1.98e−01
Value: Cecum
PYRIDOXSYN.PWY
0.0
−0.4
−0.8
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

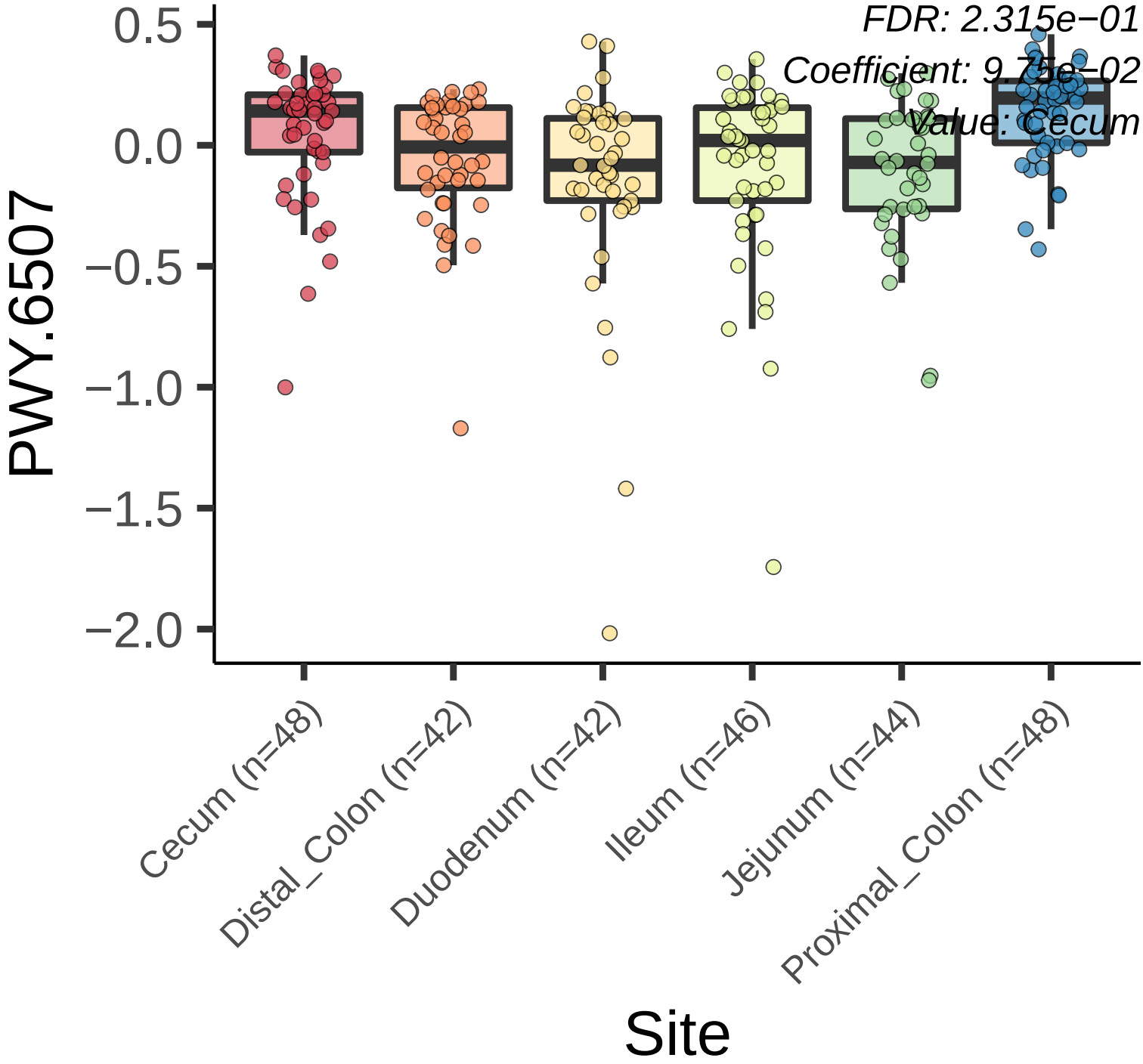

FDR: 2.220e−01
Coefficient: −1.89e−01
Value: Cecum
HEME.BIOSYNTHESIS.II
0.5
0.0
−0.5
−1.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

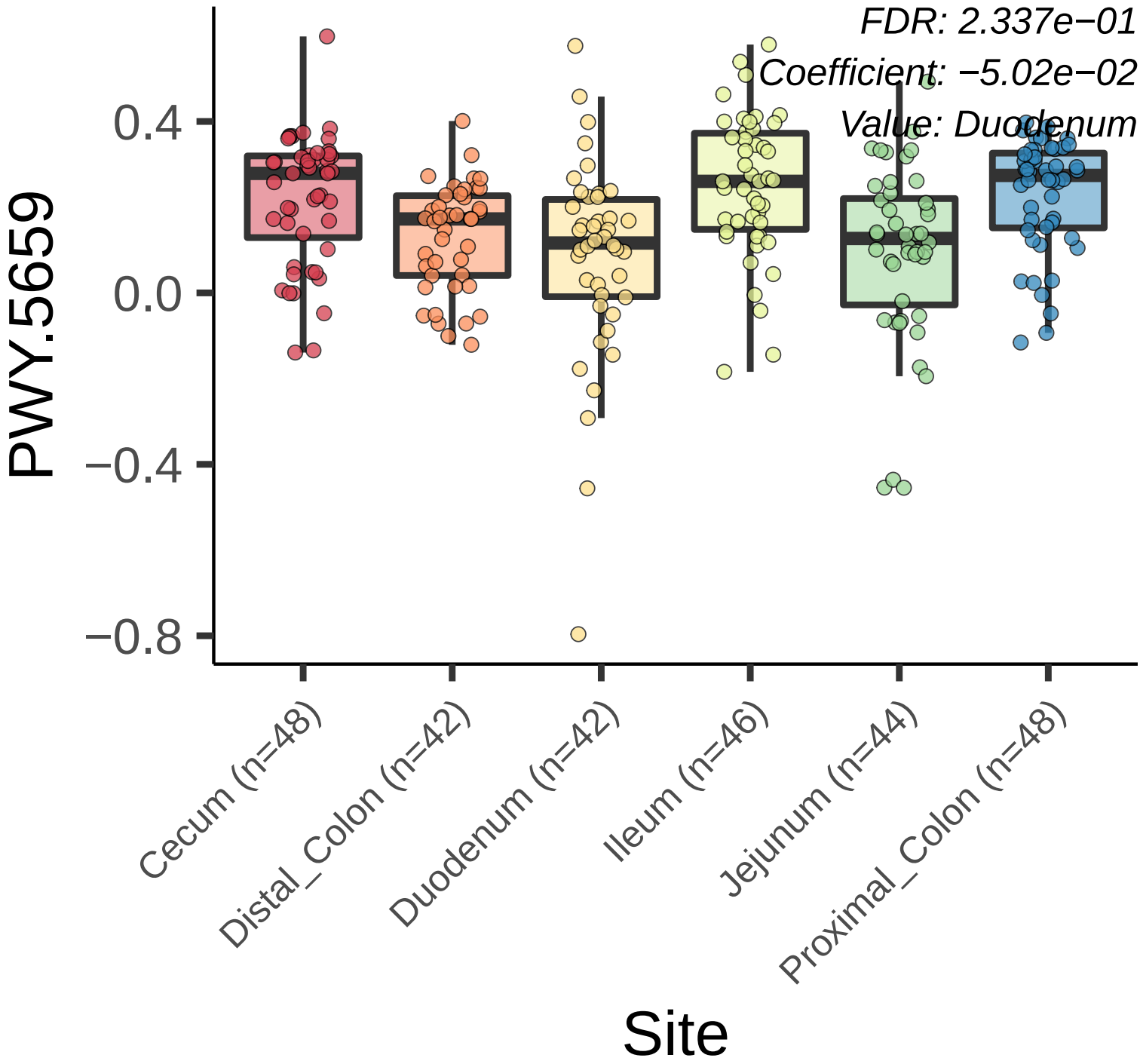

FDR: 2.220e−01
Coefficient: 4.39e−02
Value: ileum
RIBOSYN2.PWY
0.4
0.0
−0.4
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

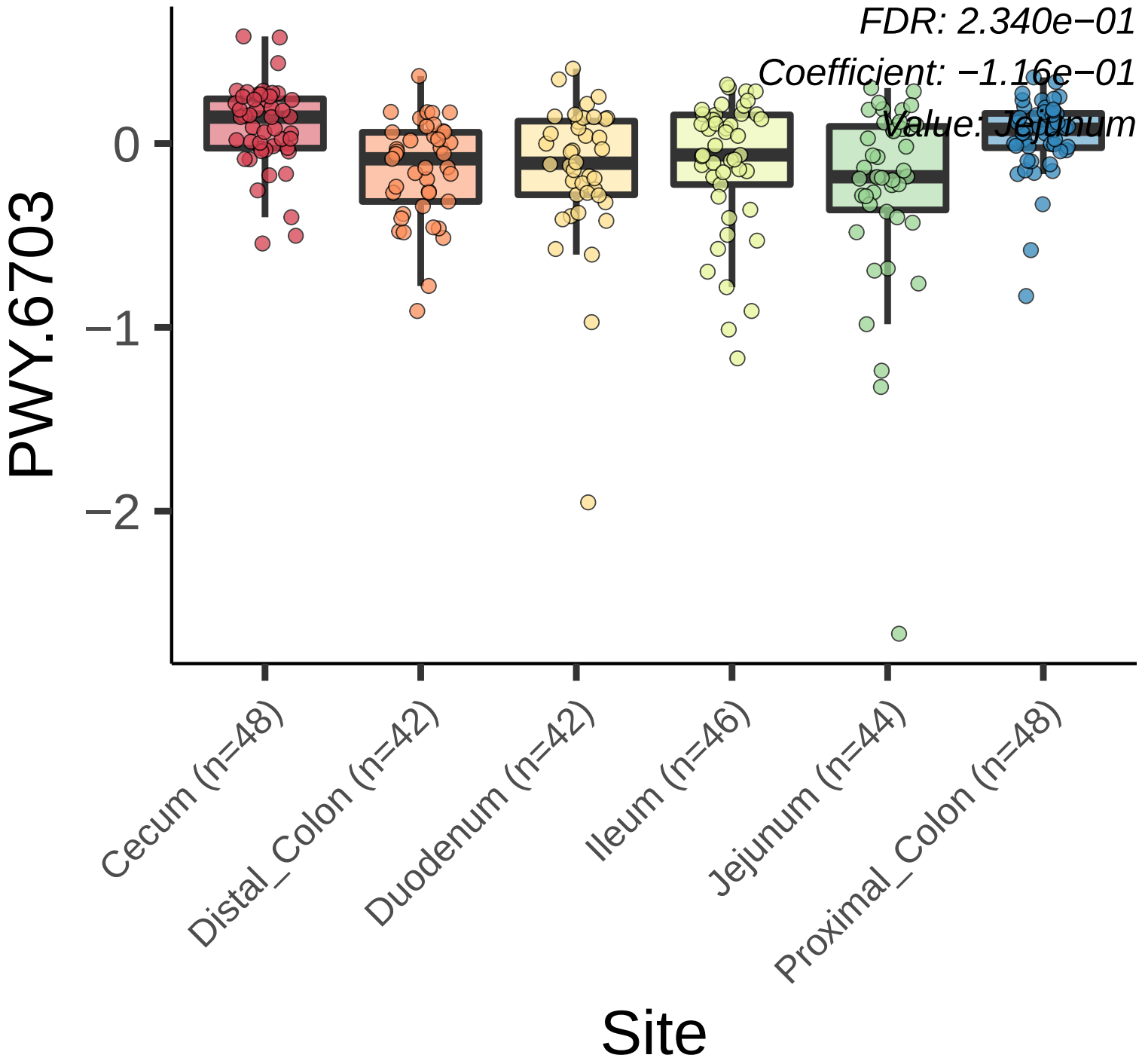

FDR: 2.232e−01
Coefficient: 1.20e−01
Value: Cecum
P164.PWY
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

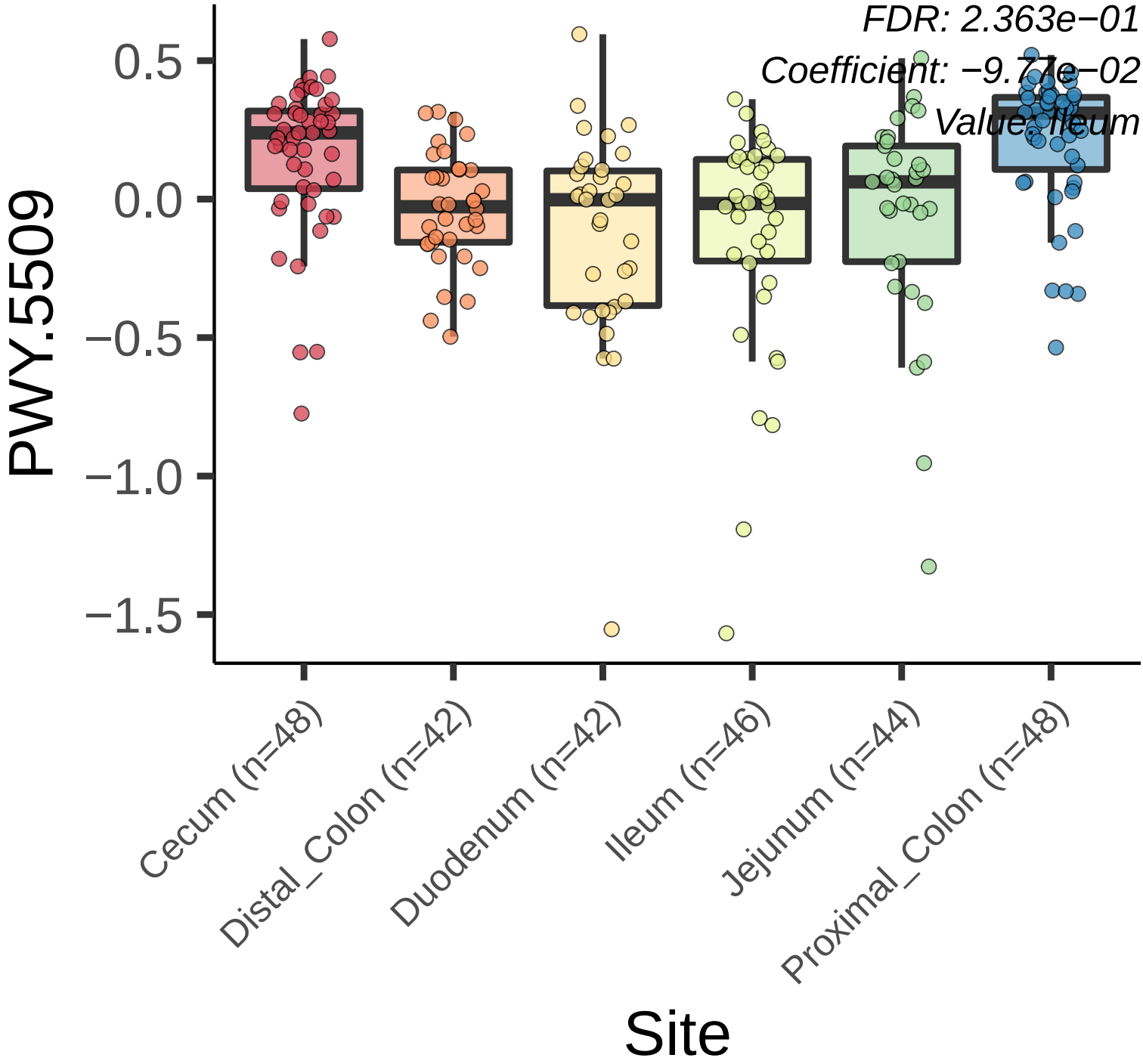

FDR: 2.243e−01
Coefficient: −3.70e−02
Value: Proximal_Colon
PWY.7184
0.75
0.50
0.25
0.00
−0.25
−0.50
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

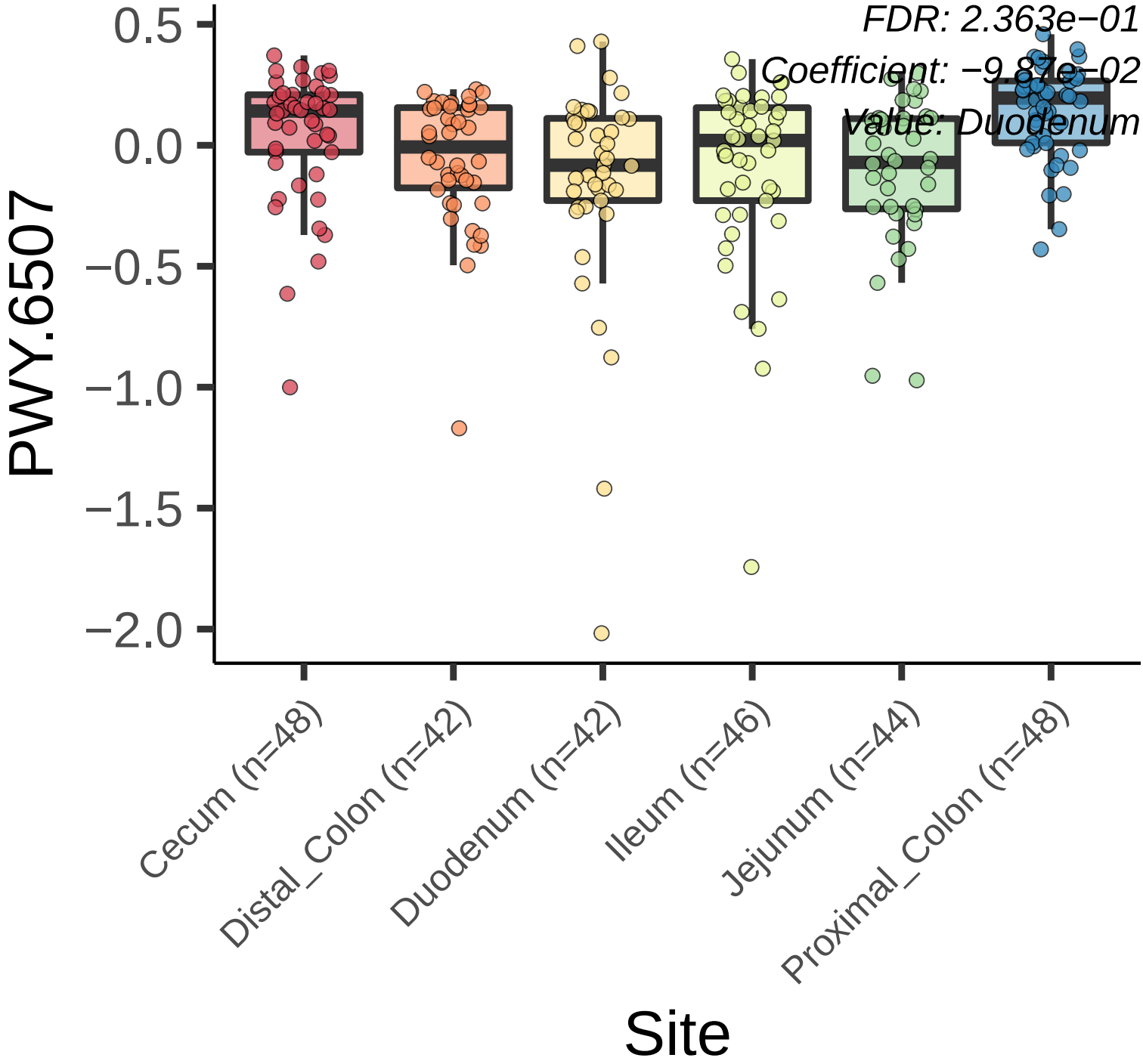

FDR: 2.280e−01
Coefficient: 1.49e−01
Value: Jejunum
PWY.6467
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

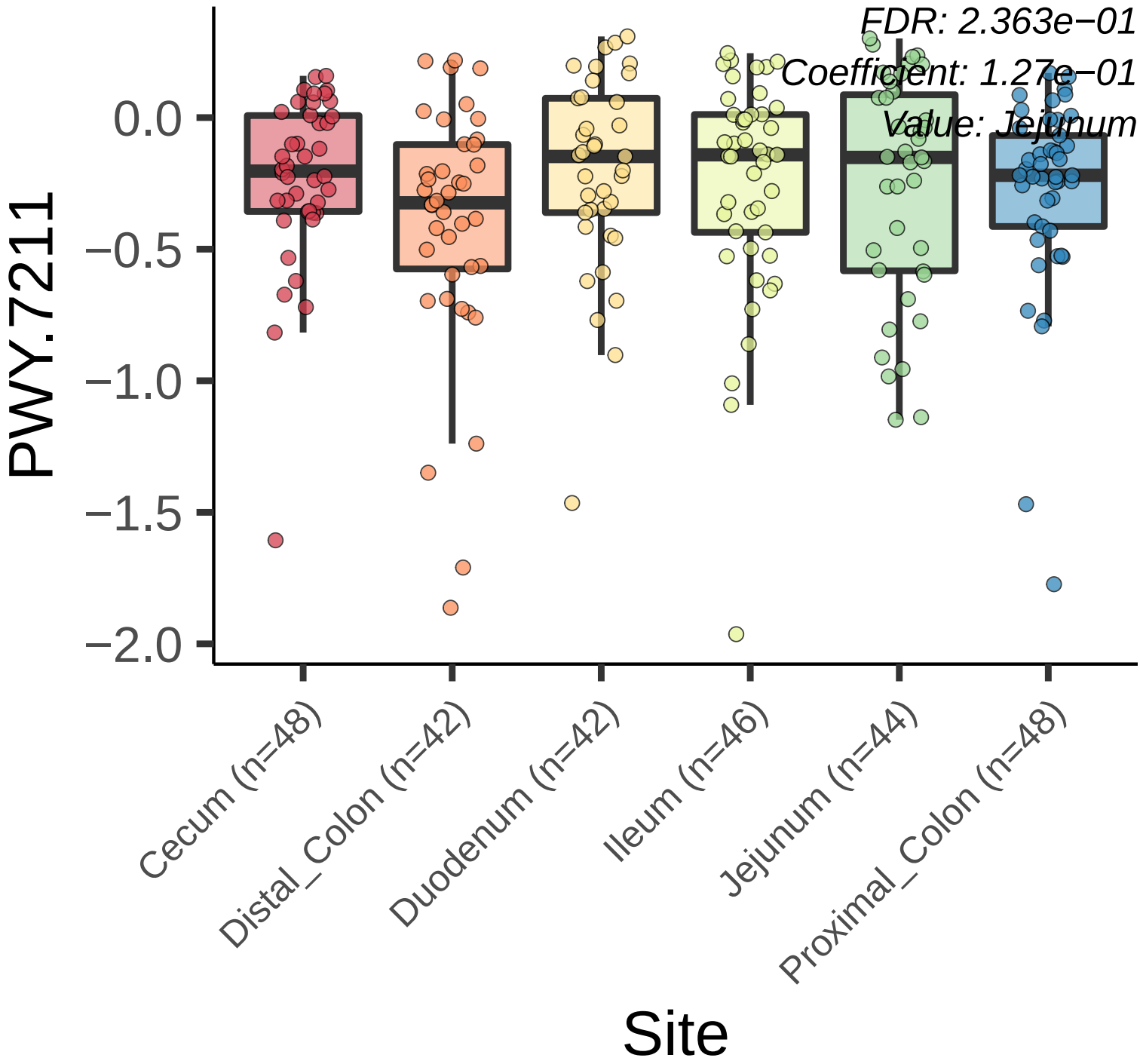

FDR: 2.315e−01
Coefficient: 9.75e−02
Value: Cecum
PWY.6507
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

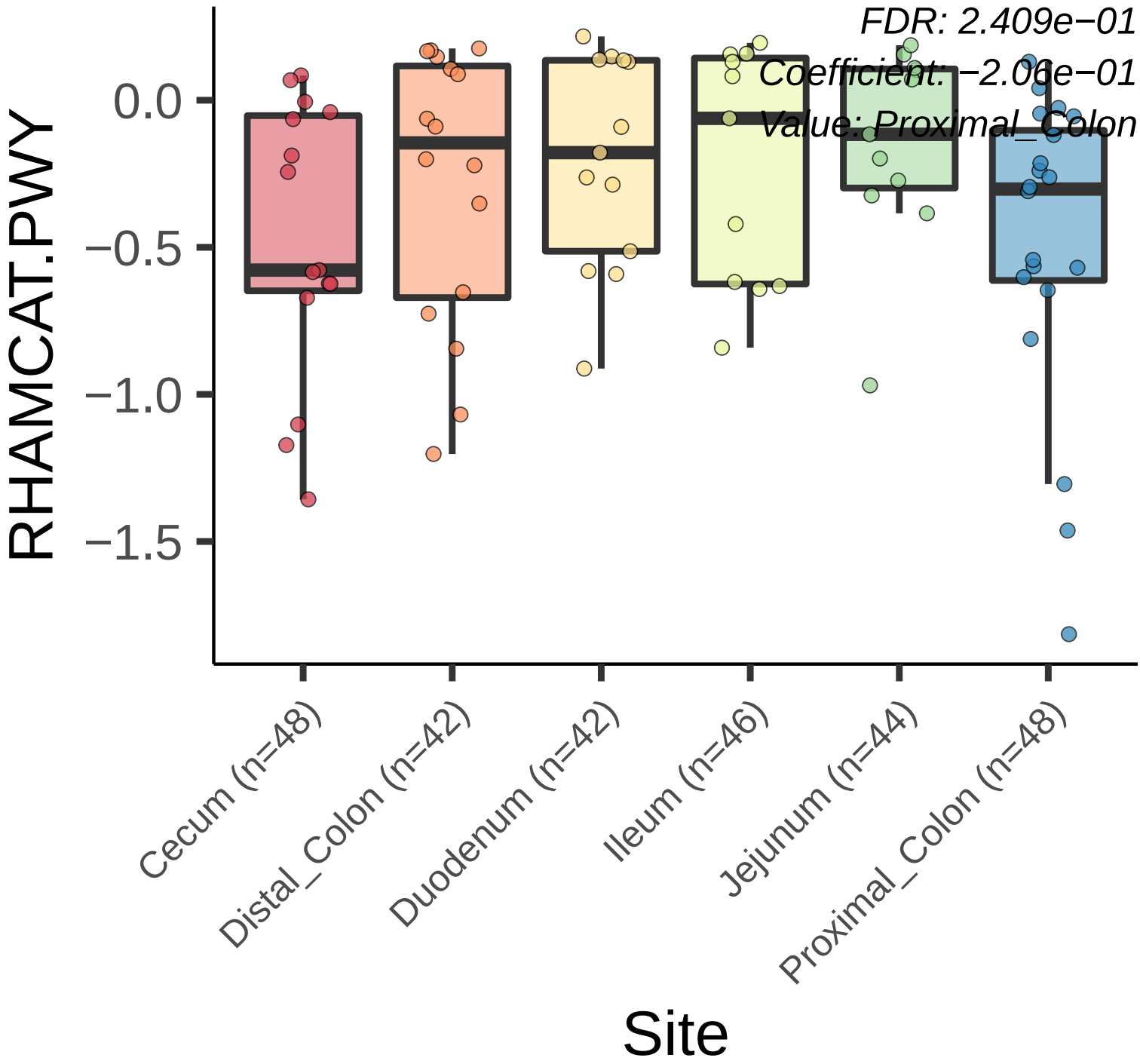

FDR: 2.337e−01
Coefficient: −5.02e−02
Value: Duodenum
PWY.5659
0.4
0.0
−0.4
−0.8
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

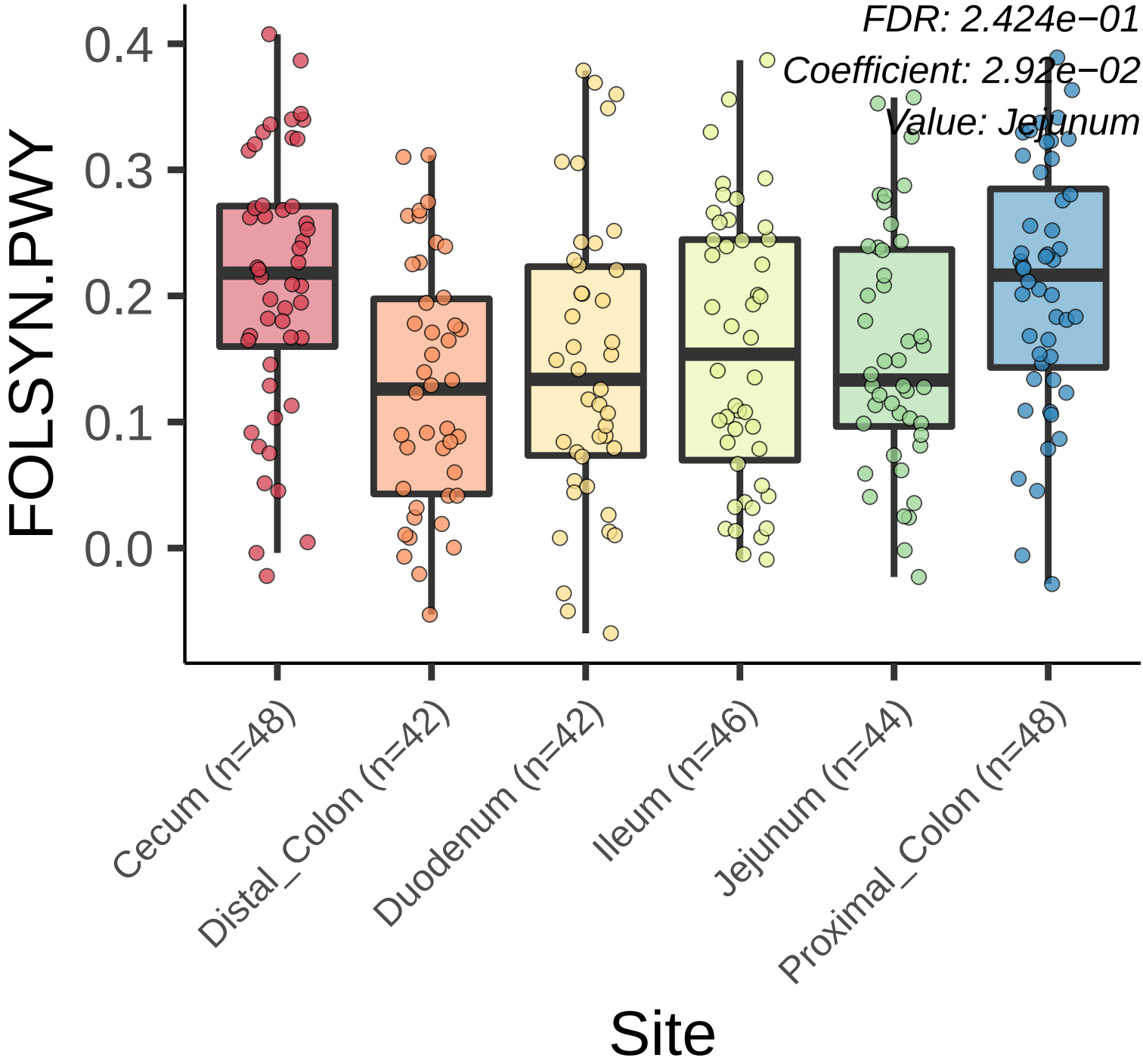

FDR: 2.340e−01
Coefficient: −1.16e−01
Value: Jejunum
PWY.6703
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

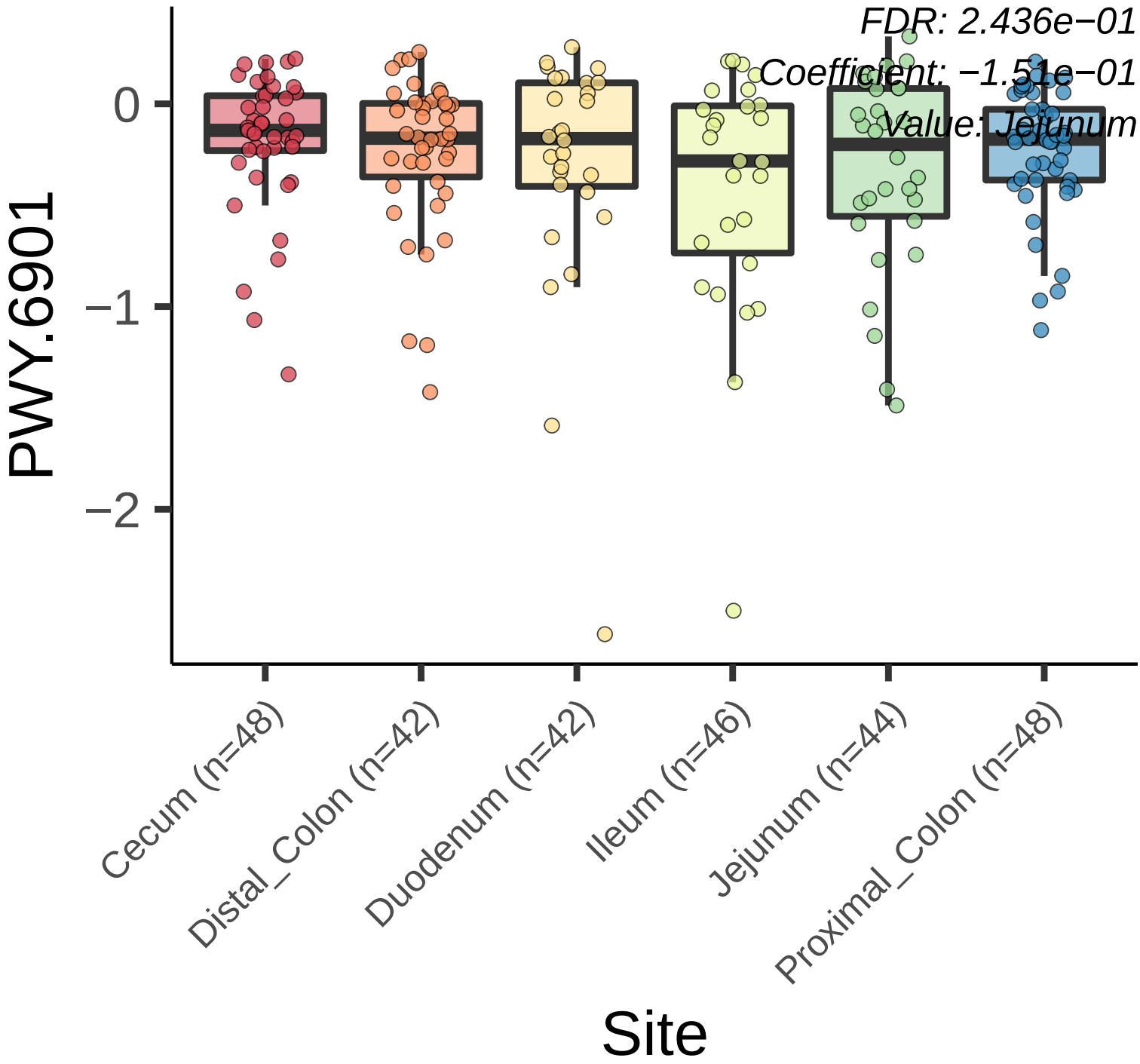

FDR: 2.363e−01
Coefficient: −9.77e−02
Value: Ileum
PWY.5509
0.5
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

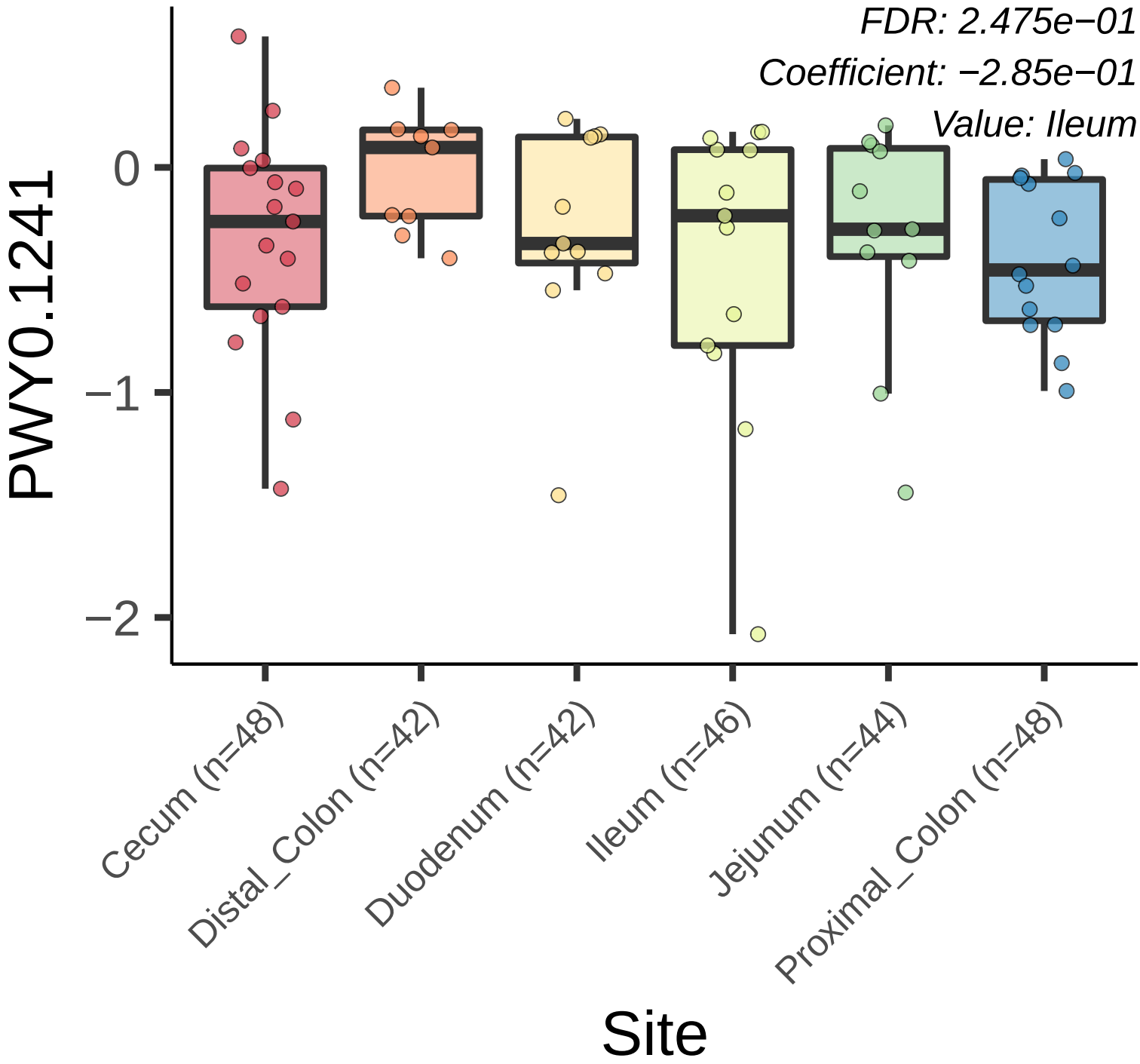

FDR: 2.363e−01
Coefficient: −9.87e−02
Value: Duodenum
PWY.6507
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site

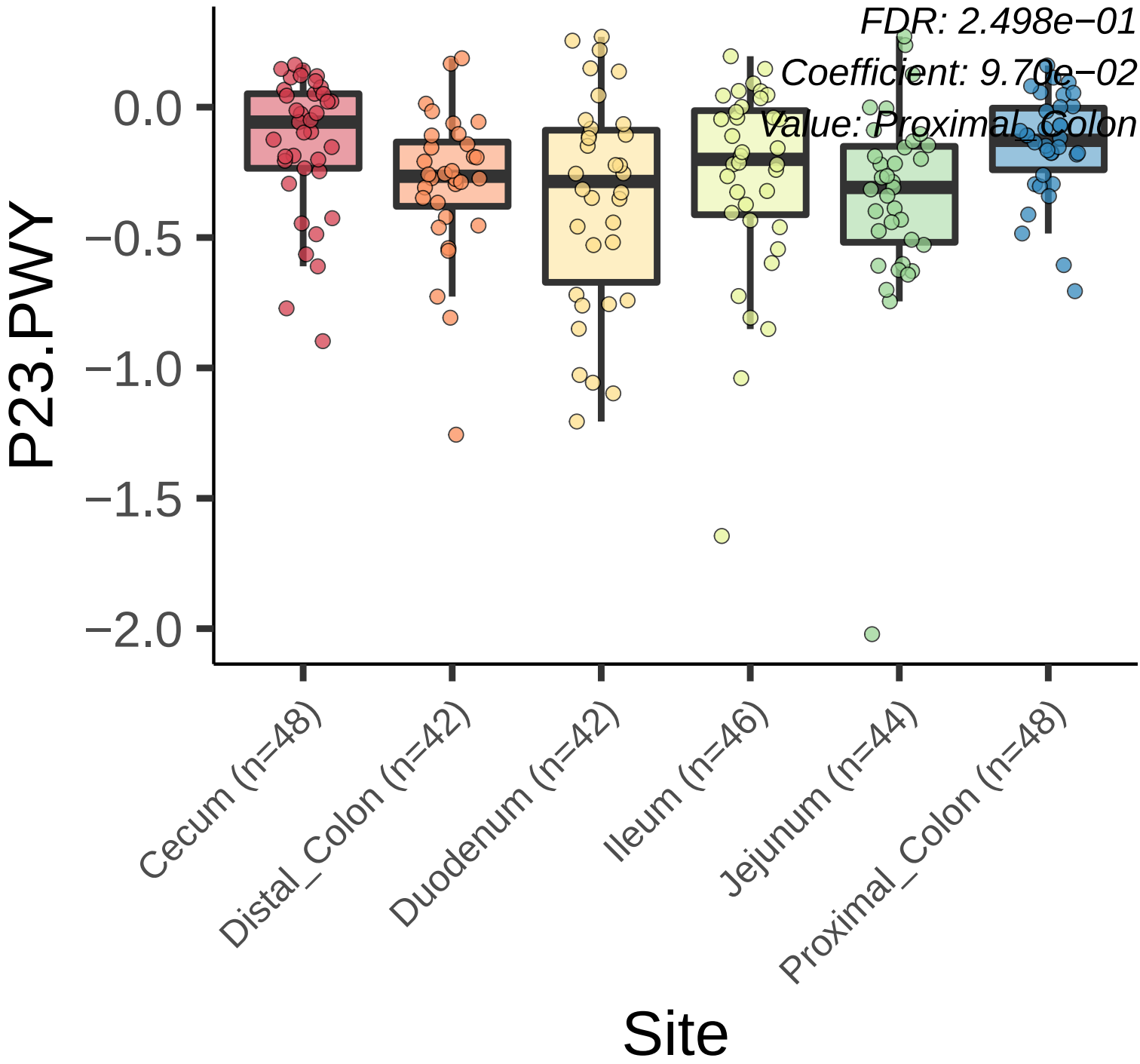

FDR: 2.363e−01
Coefficient: 1.27e−01
Value: Jejunum
PWY.7211
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site


FDR: 2.409e−01
Coefficient: −2.06e−01
Value: Proximal_Colon
RHAMCAT.PWY
0.0
−0.5
−1.0
−1.5
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site


FDR: 2.424e−01
Coefficient: 2.92e−02
Value: Jejunum
FOLSYN.PWY
0.4
0.3
0.2
0.1
0.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site


FDR: 2.436e−01
Coefficient: −1.51e−01
Value: Jejunum
PWY.6901
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site


FDR: 2.475e−01
Coefficient: −2.85e−01
Value: Ileum
PWY0.1241
0
−1
−2
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site


FDR: 2.498e−01
Coefficient: 9.70e−02
Value: Proximal_Colon
P23.PWY
0.0
−0.5
−1.0
−1.5
−2.0
Cecum (n=48)
Distal_Colon (n=42)
Duodenum (n=42)
Ileum (n=46)
Jejunum (n=44)
Proximal_Colon (n=48)
Site