

NONOXIPENT.PWY

0.75

0.50

0.25

0 (n=386)

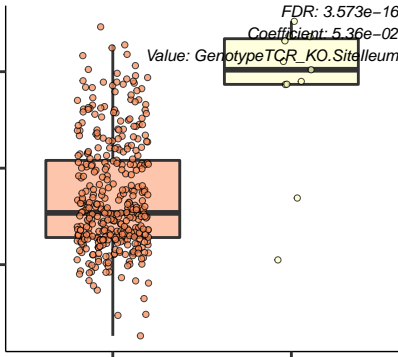
1 (n=11)

GenotypeTCR\_KO.Sitelleum

Value: GenotypeTCR\_KO.Sitelleum

Coefficient: 5.36e-02

FDR: 3.573e-16



PWY.5973

0.75  
0.50  
0.25

0 (n=386)

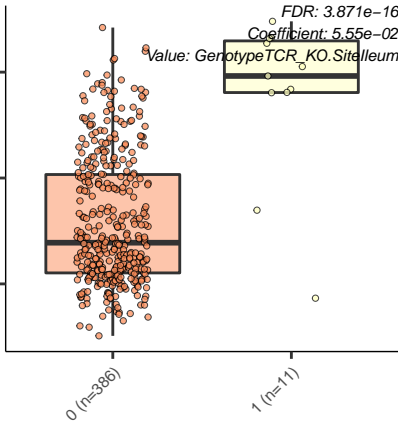
1 (n=11)

GenotypeTCR\_KO.Sitelleum

Value: GenotypeTCR\_KO.Sitelleum

Coefficient: 5.55e-02

FDR: 3.871e-16



TRNA.CHARGING.PWY

FDR:  $3.873e-16$

Coefficient:  $5.60e-02$

Value: GenotypeTCR\_KO.Sitelleum

0.75

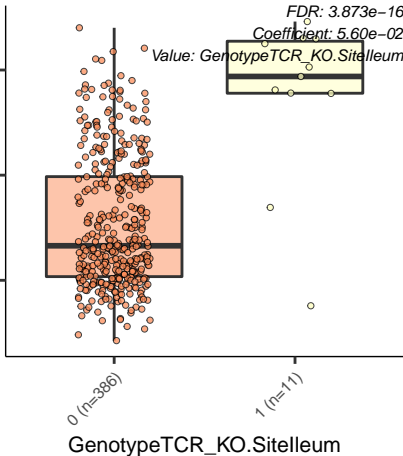
0.50

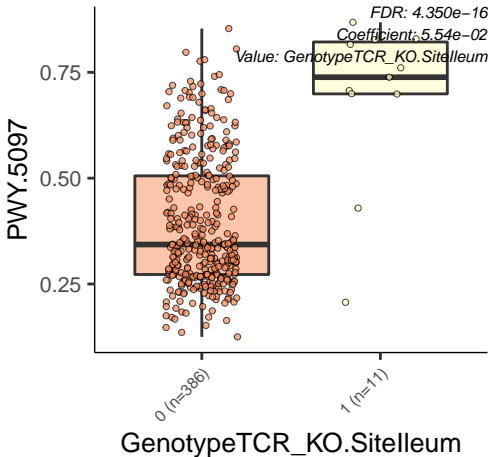
0.25

0 (n=386)

1 (n=11)

GenotypeTCR\_KO.Sitelleum





ANAGLYCOLYSIS.PWY

0.75  
0.50  
0.25

0 (n=386)

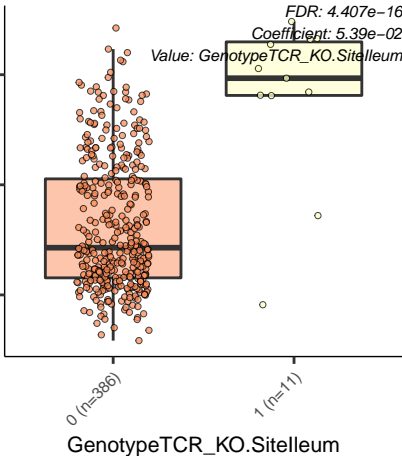
1 (n=11)

GenotypeTCR\_KO.Sitelleum

Value: GenotypeTCR\_KO.Sitelleum

Coefficient: 5.39e-02

FDR: 4.407e-16



PWY.7219

0.75  
0.50  
0.25

0 (n=386)

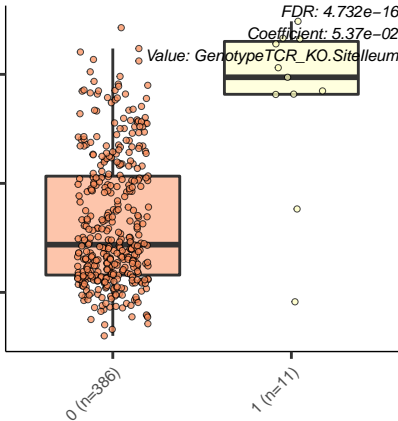
1 (n=11)

GenotypeTCR\_KO.Sitelleum

Value: GenotypeTCR\_KO.Sitelleum

Coefficient: 5.37e-02

FDR: 4.732e-16





PWY.2942

0.75  
0.50  
0.25

0 (n=386)

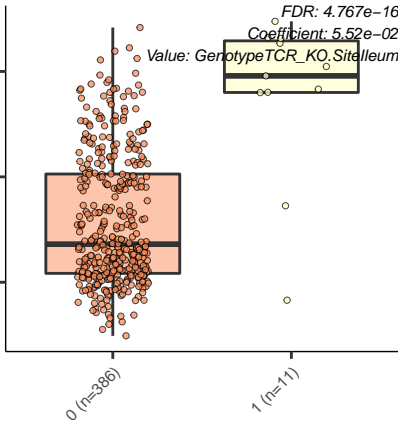
1 (n=11)

GenotypeTCR\_KO.Sitelleum

Value: GenotypeTCR\_KO.Sitelleum

Coefficient:  $5.52 \times 10^{-2}$

FDR:  $4.767 \times 10^{-16}$



PWY.5667

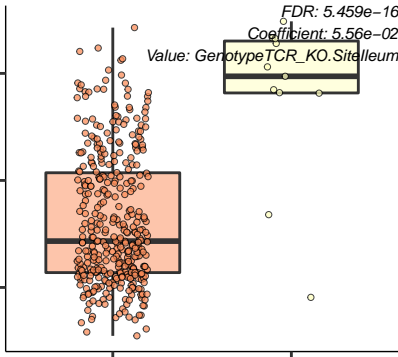
0.75  
0.50  
0.25

0 (n=386)

1 (n=11)

GenotypeTCR\_KO.Sitelleum

FDR:  $5.459 \times 10^{-16}$   
Coefficient:  $5.56 \times 10^{-2}$   
Value: GenotypeTCR\_KO.Sitelleum



PWY0.1319

0.75  
0.50  
0.25

0 (n=386)

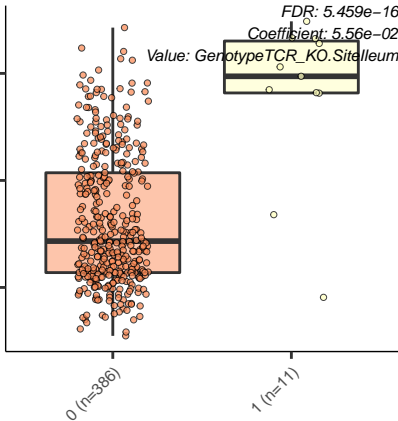
1 (n=11)

GenotypeTCR\_KO.Sitelleum

Value: GenotypeTCR\_KO.Sitelleum

Coefficient: 5.56e-02

FDR: 5.459e-16



NONMEVIP.PWY

0.75  
0.50  
0.25  
0.00

0 (n=386)

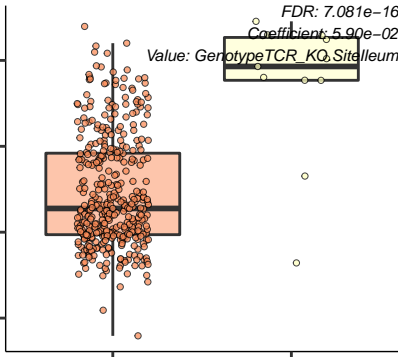
1 (n=11)

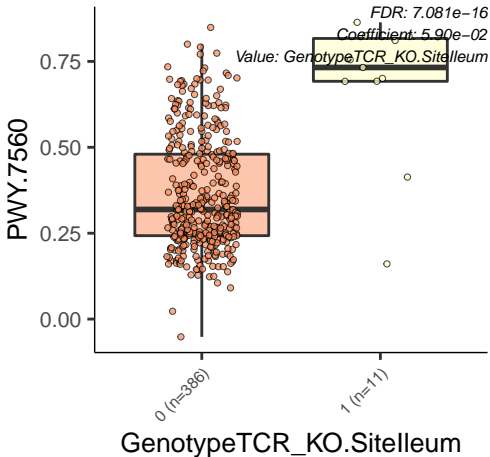
GenotypeTCR\_KO.Sitelleum

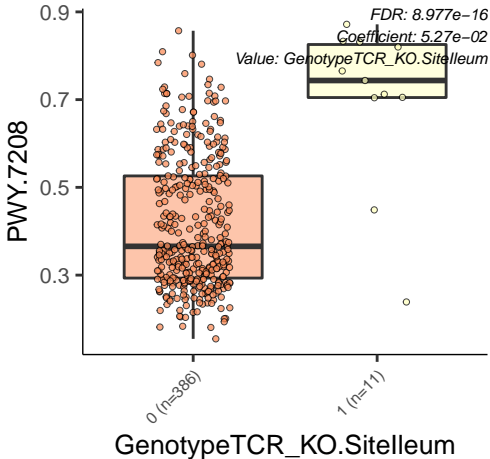
Value: GenotypeTCR\_KO.Sitelleum

Coefficient: 5.90e-02

FDR: 7.081e-16







PHOSLIPSYN.PWY

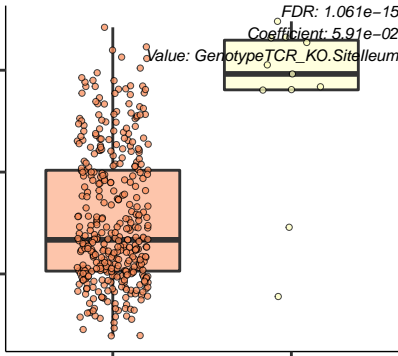
0.75  
0.50  
0.25

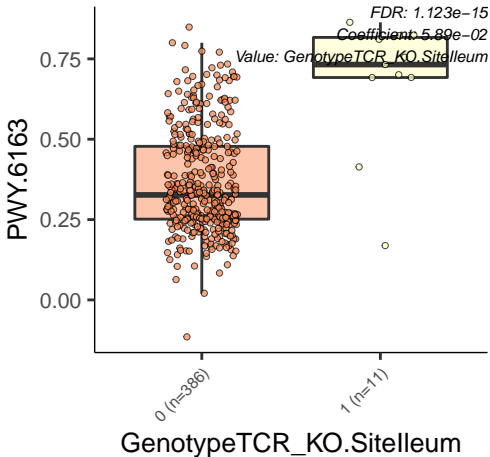
0 (n=386)

1 (n=11)

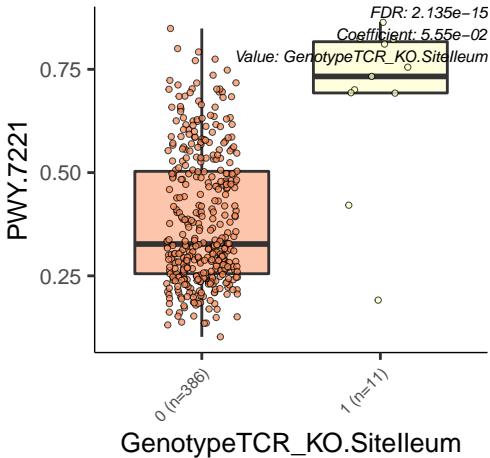
GenotypeTCR\_KO.Sitelleum

FDR: 1.061e-15  
Coefficient: 5.91e-02  
Value: GenotypeTCR\_KO.Sitelleum









PEPTIDOGLYCANSYN.PWY

0.75  
0.50  
0.25

0 (n=386)

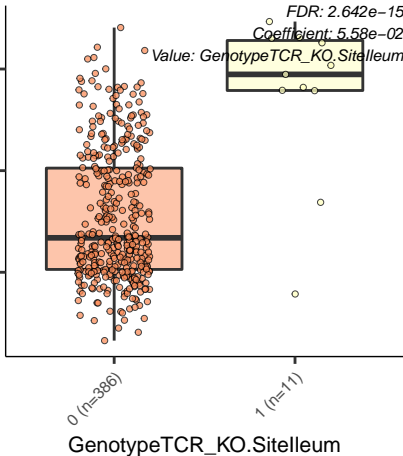
1 (n=11)

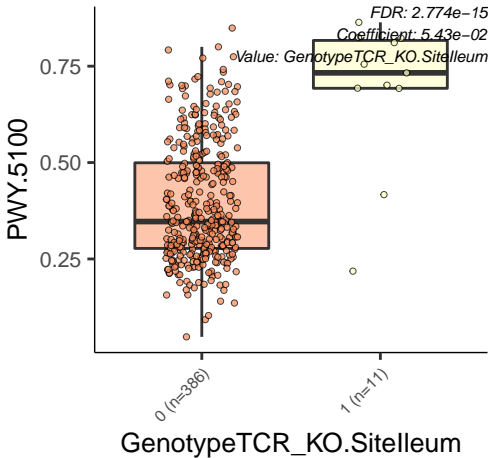
GenotypeTCR\_KO.Sitelleum

Value: GenotypeTCR\_KO.Sitelleum

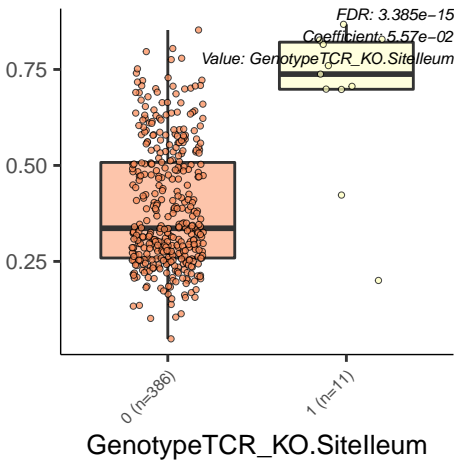
Coefficient: 5.58e-02

FDR: 2.642e-15

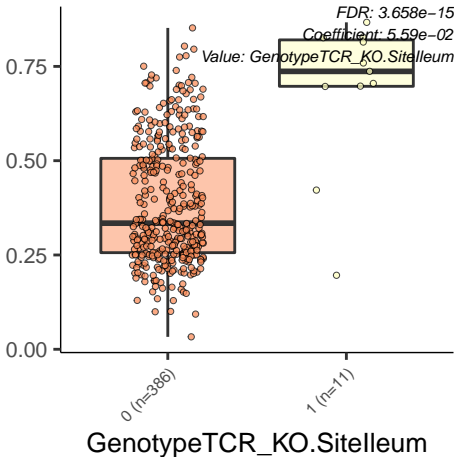


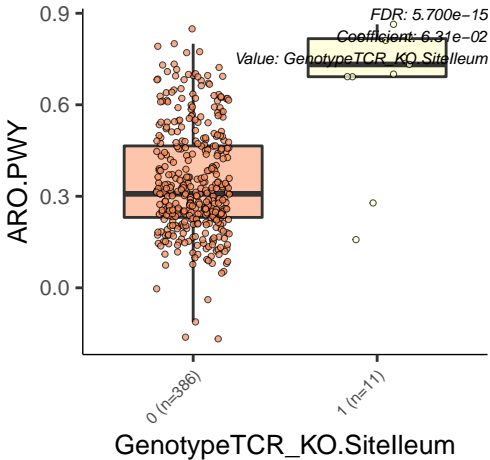


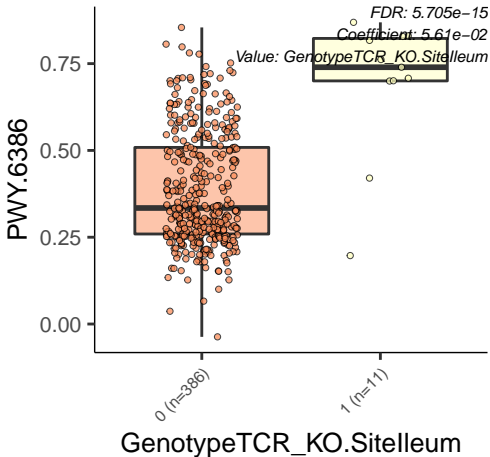
PWY.6387

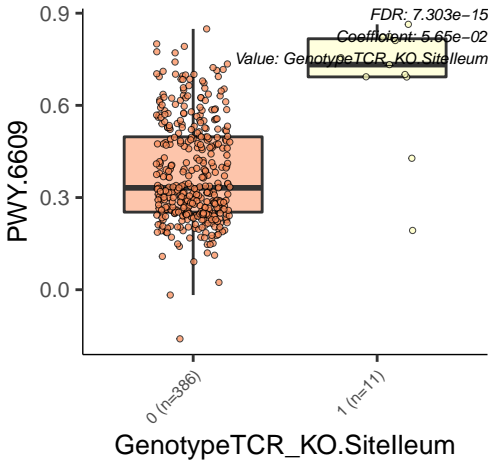


PWY.6385











PWY4FS.7

0.75  
0.50  
0.25  
0.00

0 (n=386)

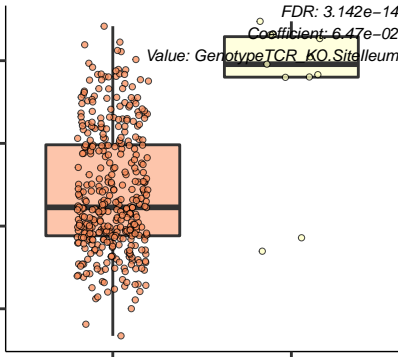
1 (n=11)

GenotypeTCR\_KO.Sitelleum

Value: GenotypeTCR\_KO.Sitelleum

Coefficient: 6.47e-02

FDR: 3.142e-14



PWY4FS.8

0.75  
0.50  
0.25  
0.00

0 (n=386)

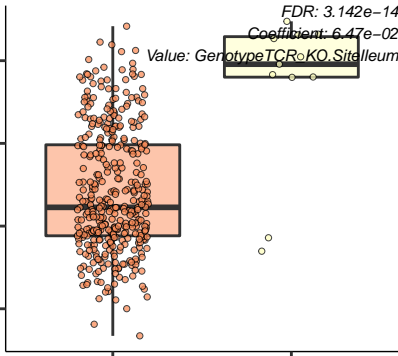
1 (n=11)

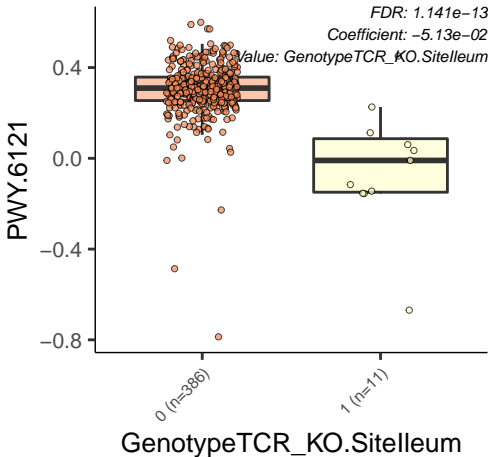
GenotypeTCR\_KO.Sitelleum

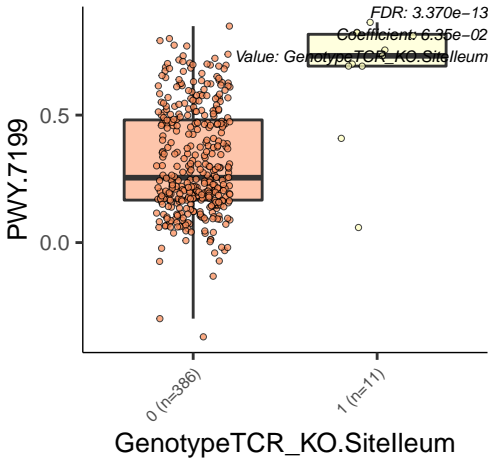
Value: GenotypeTCR\_KO.Sitelleum

Coefficient:  $6.47 \times 10^{-2}$

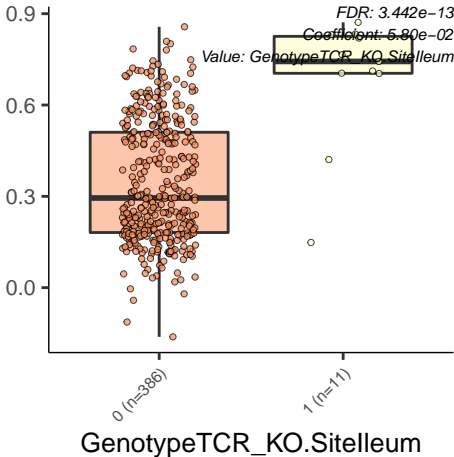
FDR:  $3.142 \times 10^{-14}$

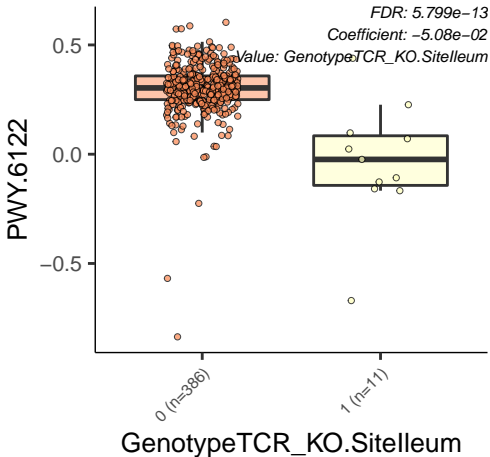






FASYN.ELONG.PWY



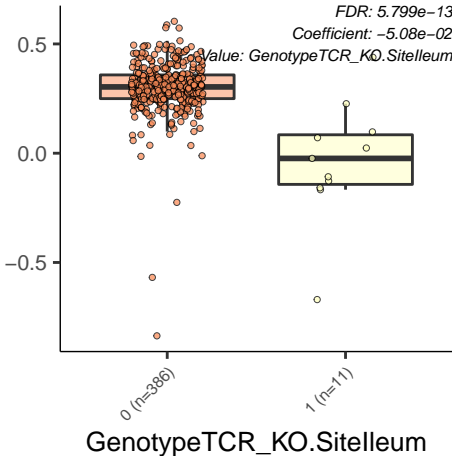


PWY.6277

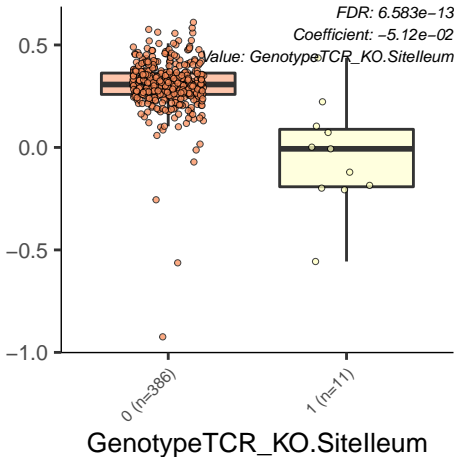
FDR: 5.799e-13

Coefficient: -5.08e-02

Value: GenotypeTCR\_KO.Sitelleum

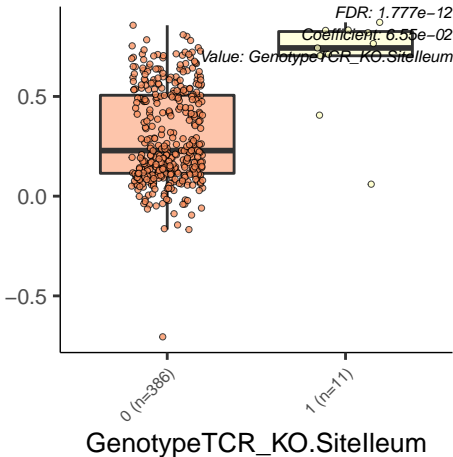


PWY.5686

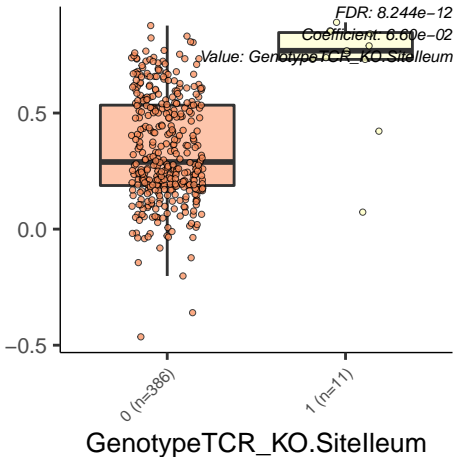




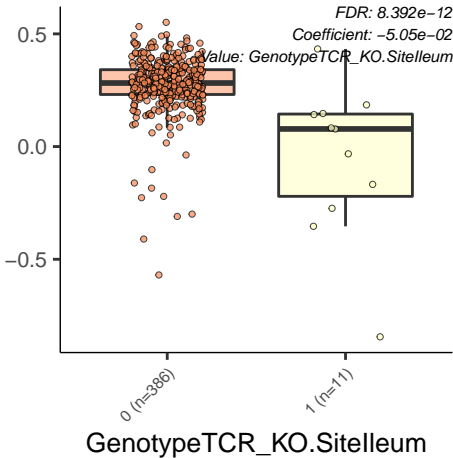
PWY.5659



PWY0.1586



PWY.3001



PWY0.1296

0.5  
0.0  
-0.5  
-1.0

0 (n=386)

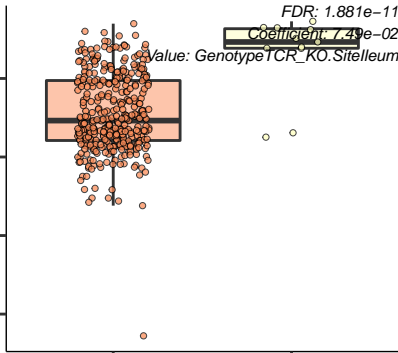
1 (n=11)

GenotypeTCR\_KO.Sitelleum

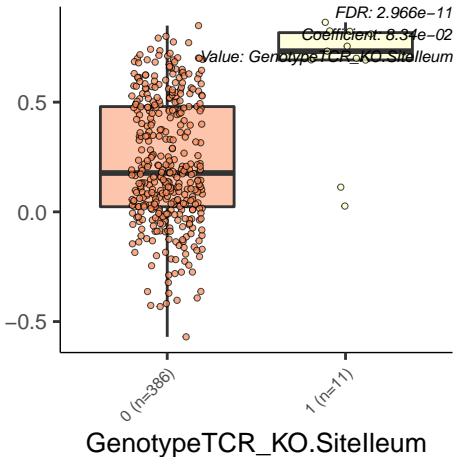
FDR:  $1.881 \times 10^{-11}$

Coefficient:  $7.49 \times 10^{-2}$

Value: GenotypeTCR\_KO.Sitelleum



PWY0.1298



PWY.5103

0

-1

-2

0 (n=386)

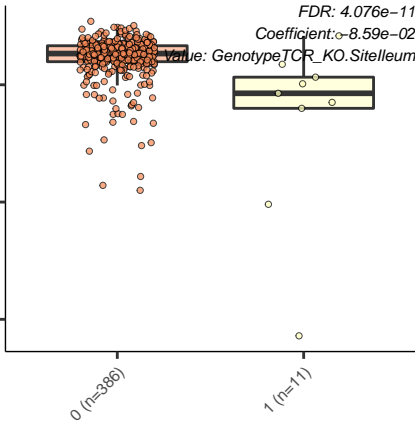
1 (n=11)

GenotypeTCR\_KO.Sitelleum

FDR:  $4.076 \times 10^{-11}$

Coefficient:  $-8.59 \times 10^{-2}$

Value: GenotypeTCR\_KO.Sitelleum

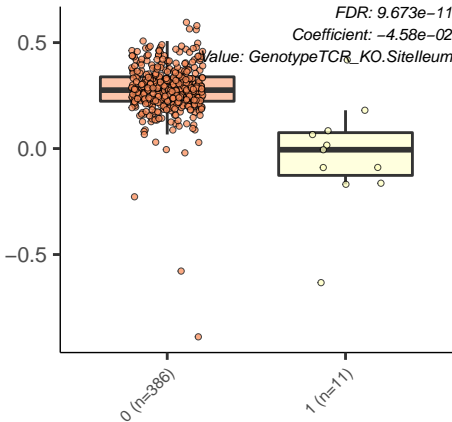


PWY.6123

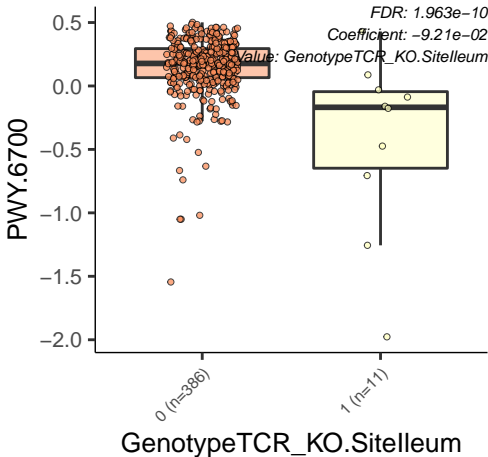
*FDR: 9.673e-11*

*Coefficient: -4.58e-02*

*Value: GenotypeTCR\_KO.Sitelleum*



GenotypeTCR\_KO.Sitelleum





GLCMANNNAUT.PWY

*FDR: 7.093e-10*

*Coefficient: 7.55e-02*

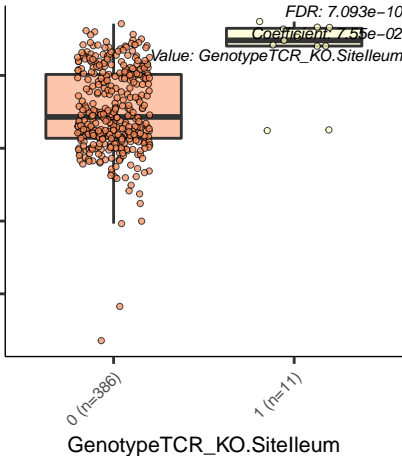
*Value: GenotypeTCR\_KO.Sitelleum*

0.5  
0.0  
-0.5  
-1.0

0 (n=386)

1 (n=11)

GenotypeTCR\_KO.Sitelleum



PWY0.1297

0.5  
0.0  
-0.5  
-1.0

0 (n=386)

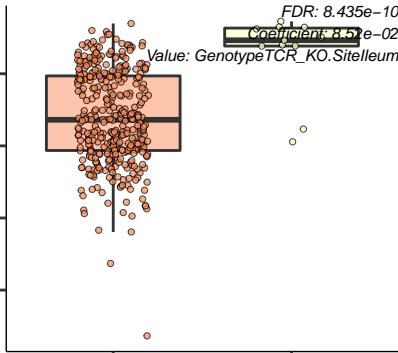
1 (n=11)

GenotypeTCR\_KO.Sitelleum

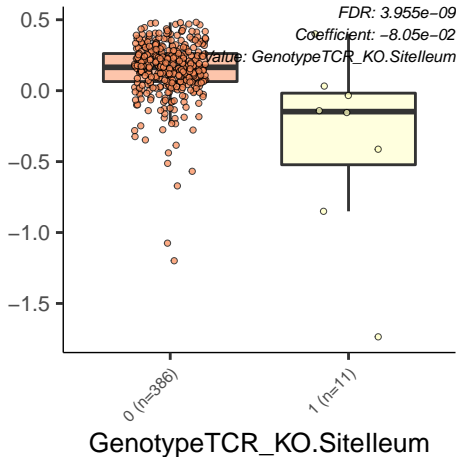
Value: GenotypeTCR\_KO.Sitelleum

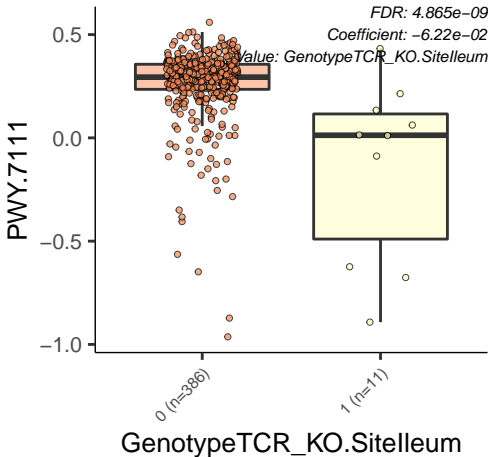
Coefficient:  $8.52 \times 10^{-2}$

FDR:  $8.435 \times 10^{-10}$

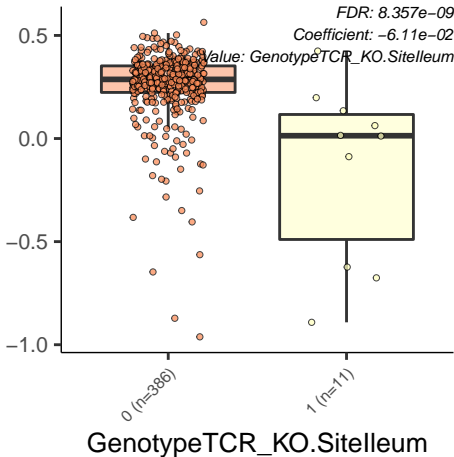


PYRIDNUCSYN.PWY

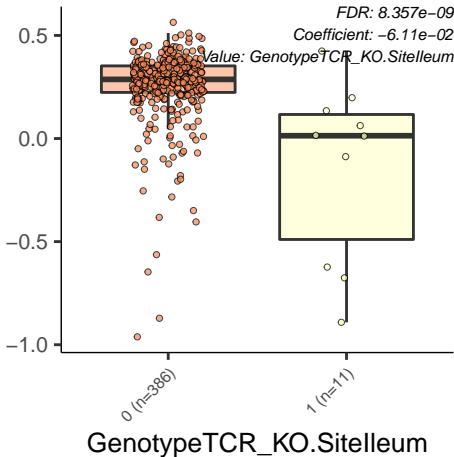




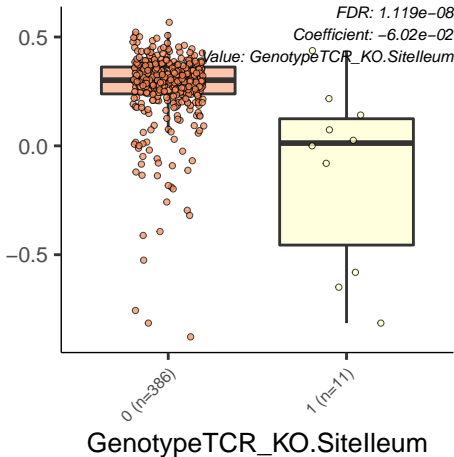
ILEUSYN.PWY



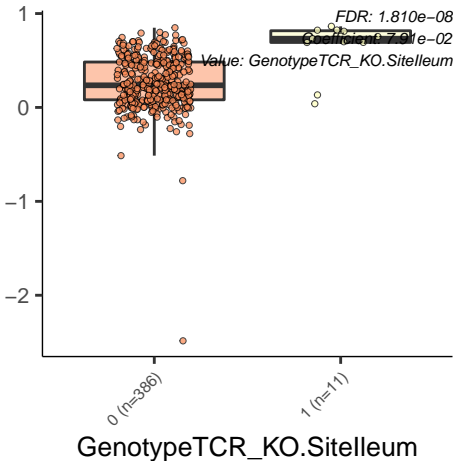
VALSYN.PWY



PWY.5101

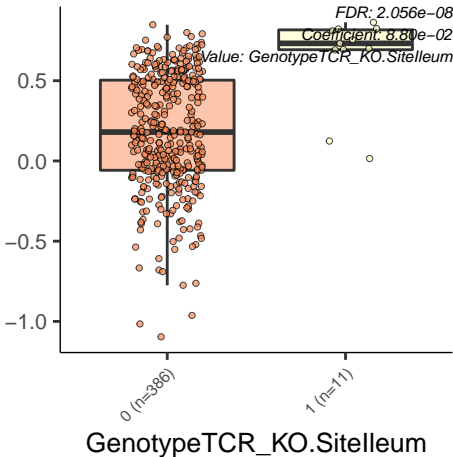


UDPNAGSYN.PWY

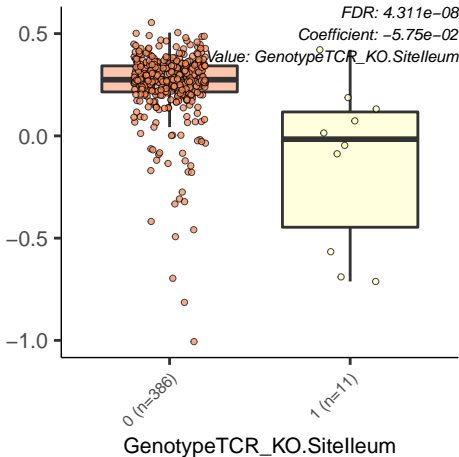




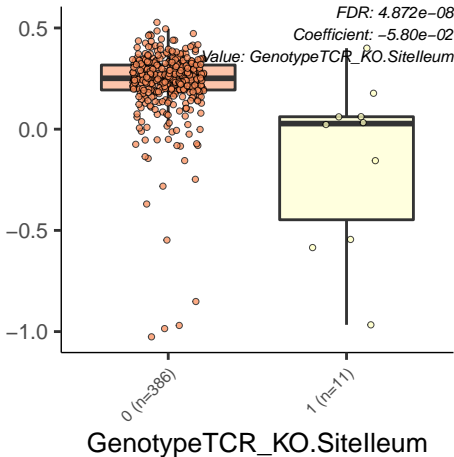
P161.PWY



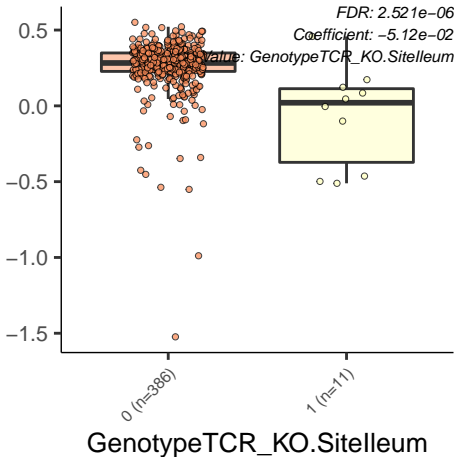
BRANCHED.CHAIN.AA.SYN.PWY



SER.GLYSYN.PWY



PWY.6737



PWY.5505

*FDR: 7.034e-06*

*Coefficient: -1.27e-01*

*Value: GenotypeTCR\_KO.Sitelleum*

0

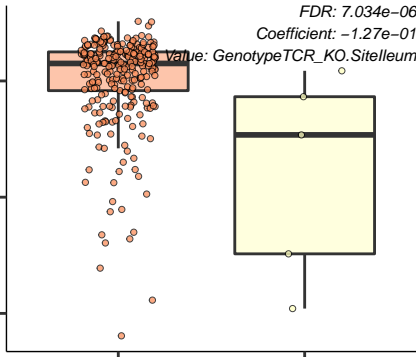
-1

-2

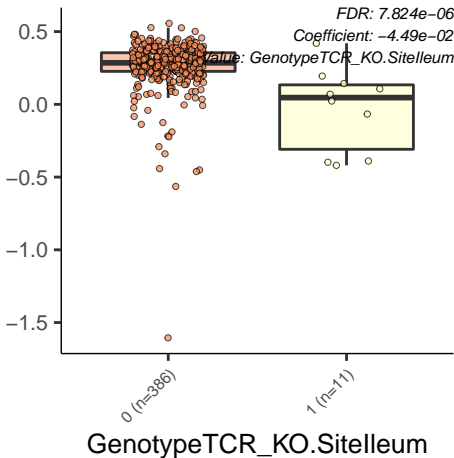
0 (n=386)

1 (n=11)

GenotypeTCR\_KO.Sitelleum



GLYCOCAT.PWY

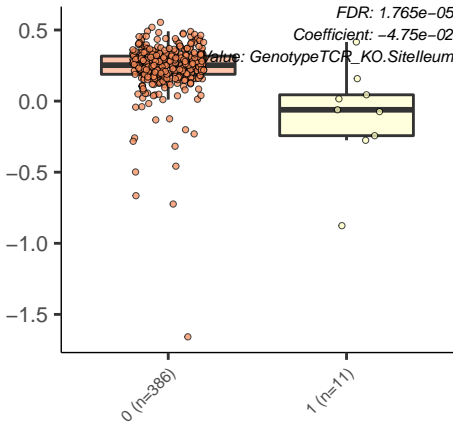


DTDPRHAMSYN.PWY

FDR:  $1.765 \times 10^{-5}$

Coefficient:  $-4.75 \times 10^{-2}$

Value: GenotypeTCR\_KO.Sitelleum



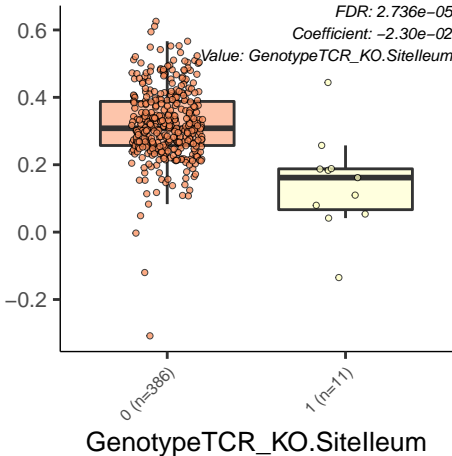
GenotypeTCR\_KO.Sitelleum

THRESYN.PWY

FDR: 2.736e-05

Coefficient: -2.30e-02

Value: GenotypeTCR\_KO.Sitelleum





P42.PWY

FDR:  $3.374e-05$

Coefficient:  $-6.09e-02$

Value: GenotypeTCR\_KO.Sitelleum

0

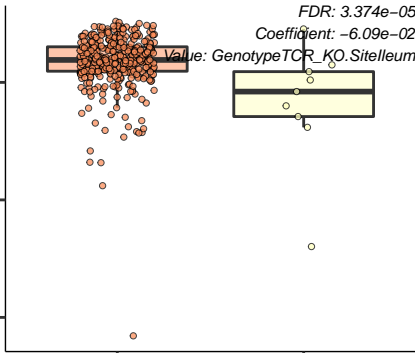
-1

-2

0 (n=386)

1 (n=11)

GenotypeTCR\_KO.Sitelleum

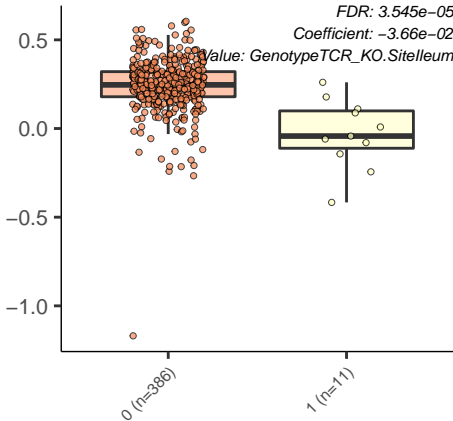


PWY.6317

*FDR: 3.545e-05*

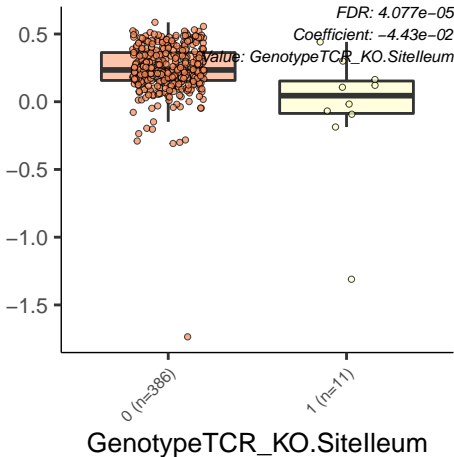
*Coefficient: -3.66e-02*

*Value: GenotypeTCR\_KO.Sitelleum*

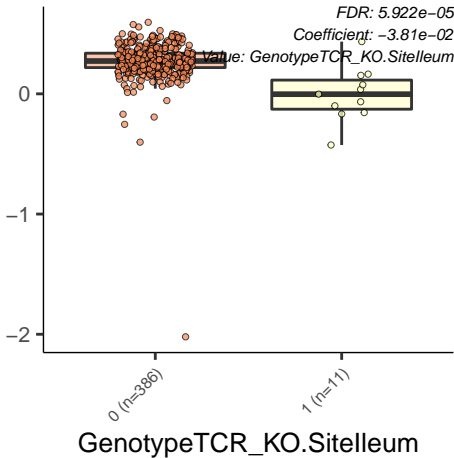


GenotypeTCR\_KO.Sitelleum

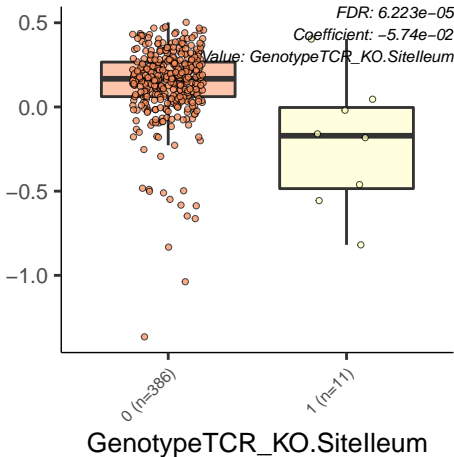
PWY.5695

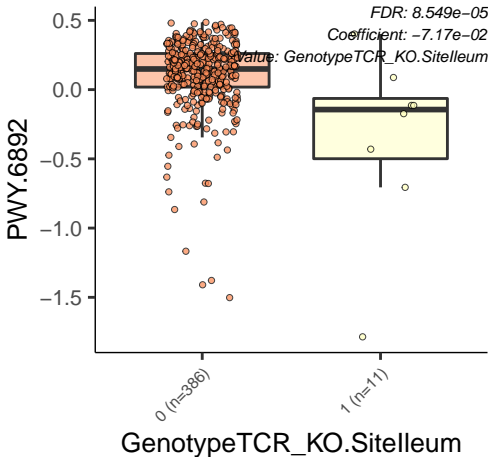


ASPASN.PWY



PANTOSYN.PWY





GLYCOGENSYNTH.PWY

*FDR: 2.056e-04*

*Coefficient: -3.81e-02*

*Value: GenotypeTCR\_KO.Sitelleum*

0.5

0.0

-0.5

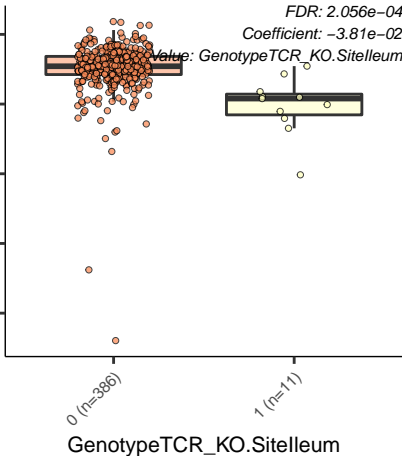
-1.0

-1.5

0 (n=386)

1 (n=11)

GenotypeTCR\_KO.Sitelleum

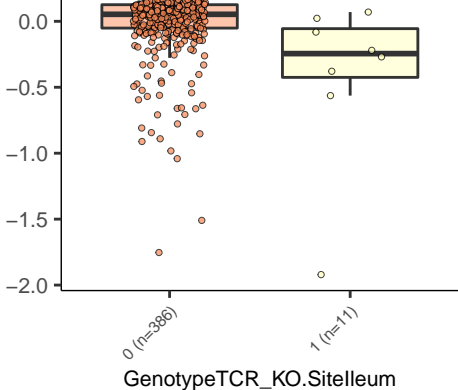


FERMENTATION.PWY

*FDR: 2.336e-04*

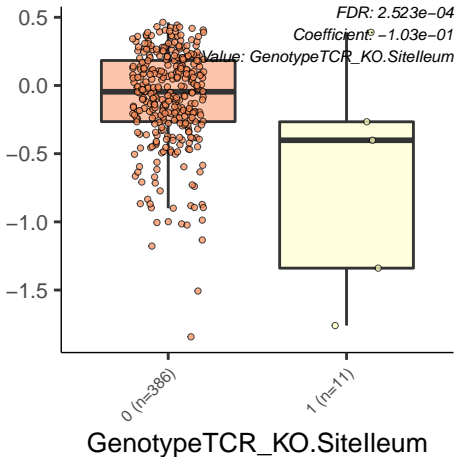
*Coefficient: -6.77e-02*

*Value: GenotypeTCR\_KO.Sitelleum*

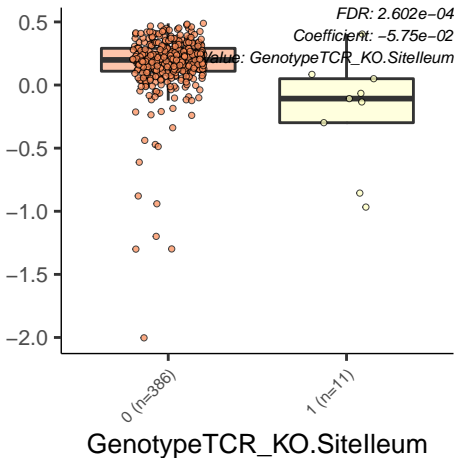




PWY.6467



RIBOSYN2.PWY

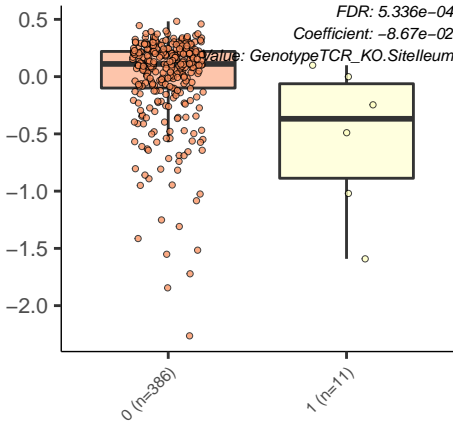


ARGSYNBSUB.PWY

FDR: 5.336e-04

Coefficient: -8.67e-02

p-value: GenotypeTCR\_KO.Sitelleum



GenotypeTCR\_KO.Sitelleum

COMPLETE.ARO.PWY

*FDR: 5.631e-04*

*Coefficient: 2.16e-02*

*Value: GenotypeTCR\_KO.Sitelleum*

0.50

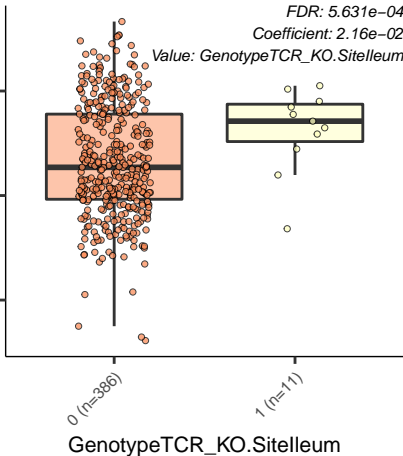
0.25

0.00

0 (n=386)

1 (n=11)

GenotypeTCR\_KO.Sitelleum

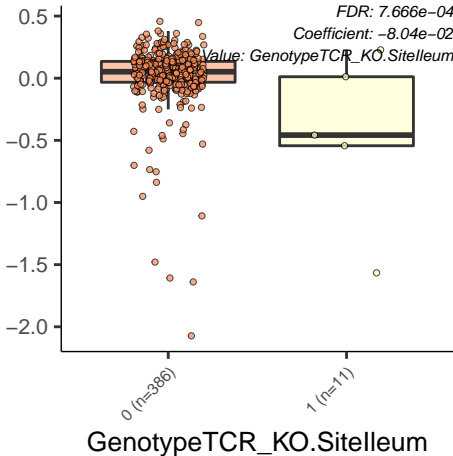


FOLSYN.PWY

FDR:  $7.666e-04$

Coefficient:  $-8.04e-02$

Value: GenotypeTCR\_KO.Sitelleum

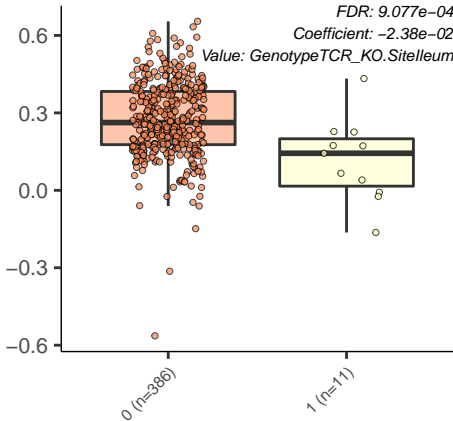


PWY.7220

*FDR: 9.077e-04*

*Coefficient: -2.38e-02*

*Value: GenotypeTCR\_KO.Sitelleum*



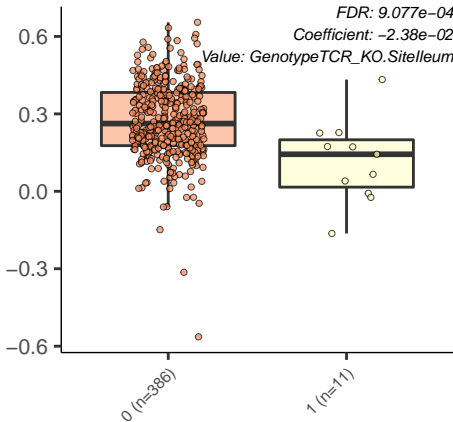
GenotypeTCR\_KO.Sitelleum

PWY.7222

*FDR: 9.077e-04*

*Coefficient: -2.38e-02*

*Value: GenotypeTCR\_KO.Sitelleum*



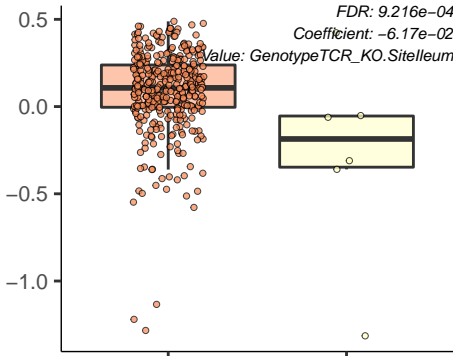
GenotypeTCR\_KO.Sitelleum

THISYN.PWY

FDR:  $9.216 \times 10^{-4}$

Coefficient:  $-6.17 \times 10^{-2}$

Value: GenotypeTCR\_KO.Sitelleum



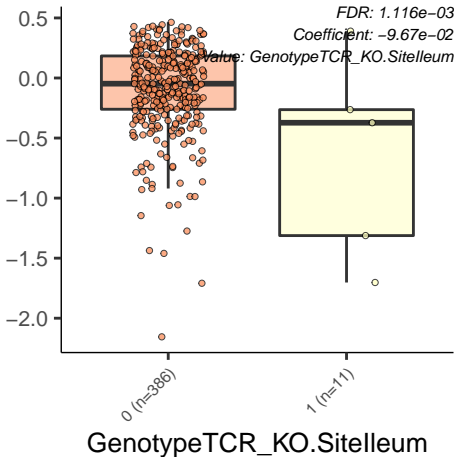
0 (n=386)

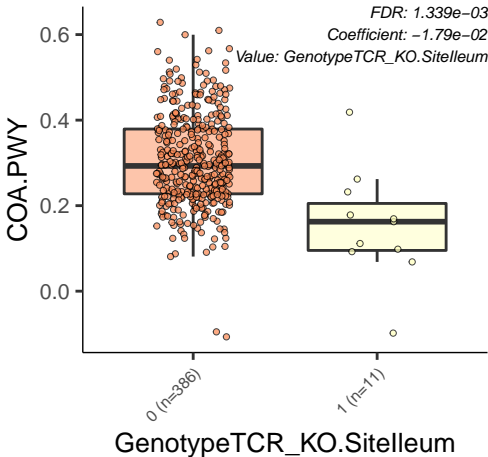
1 (n=11)

GenotypeTCR\_KO.Sitelleum



PWY.1269





HISTSYN.PWY

0  
-1  
-2

GenotypeTCR\_KO.Sitelleum

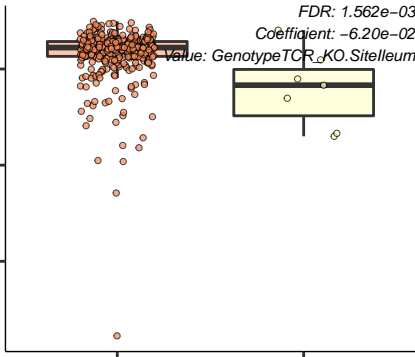
0 (n=386)

1 (n=11)

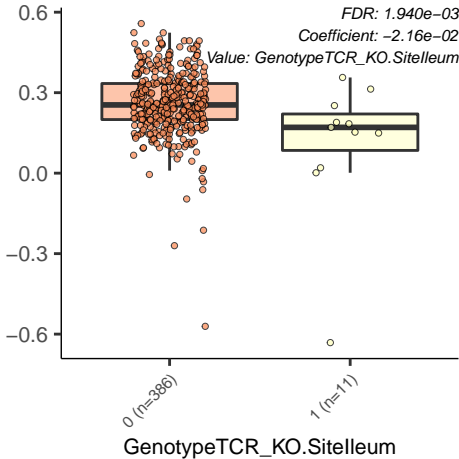
Value: GenotypeTCR\_KO.Sitelleum

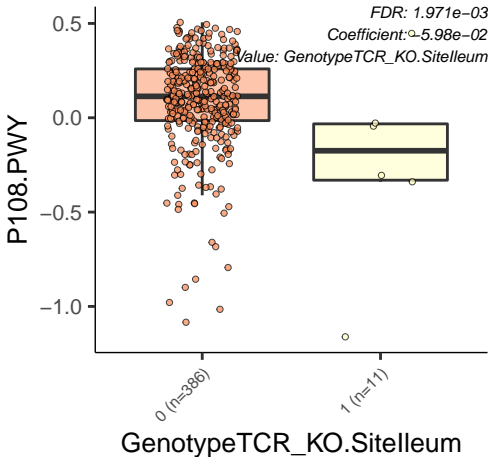
Coefficient:  $-6.20 \times 10^{-2}$

FDR:  $1.562 \times 10^{-3}$

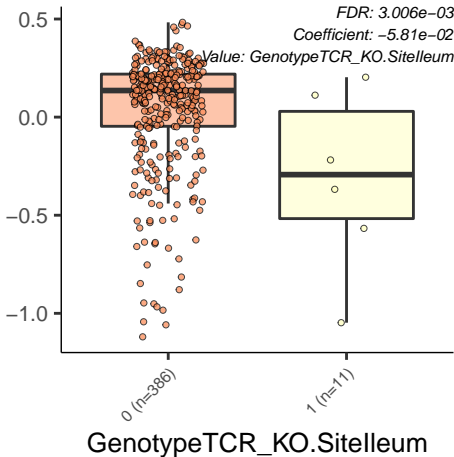


ANAEROFRUCAT.PWY





PWY.7400

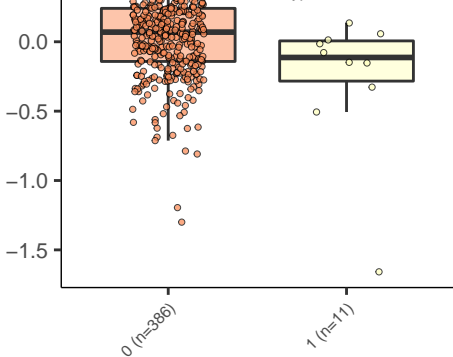


PWY0.162

*FDR: 3.430e-03*

*Coefficient: -4.71e-02*

*Value: GenotypeTCR\_KO.Sitelleum*



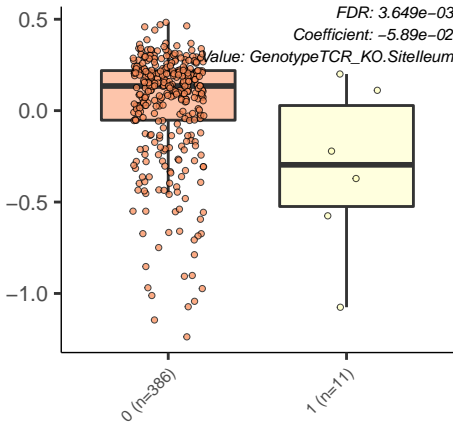
GenotypeTCR\_KO.Sitelleum

ARGSYN.PWY

FDR:  $3.649 \times 10^{-3}$

Coefficient:  $-5.89 \times 10^{-2}$

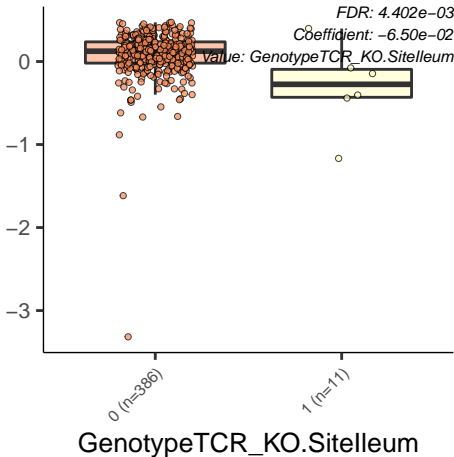
Value: GenotypeTCR\_KO.Sitelleum



GenotypeTCR\_KO.Sitelleum



PANTO.PWY



PWY.5104

0

-1

-2

0 (n=386)

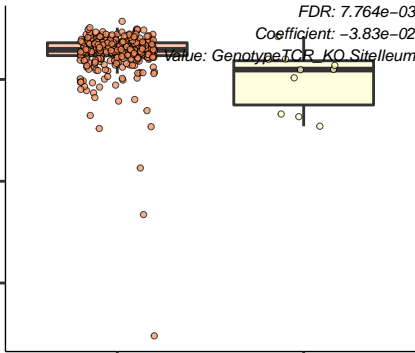
1 (n=11)

GenotypeTCR\_KO.Sitelleum

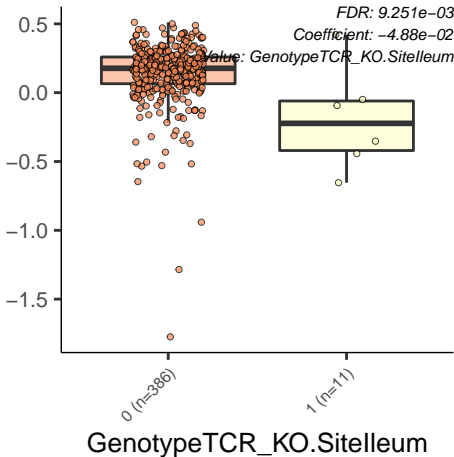
FDR:  $7.764e-03$

Coefficient:  $-3.83e-02$

Value: GenotypeTCR\_KO.Sitelleum



PWY.6897

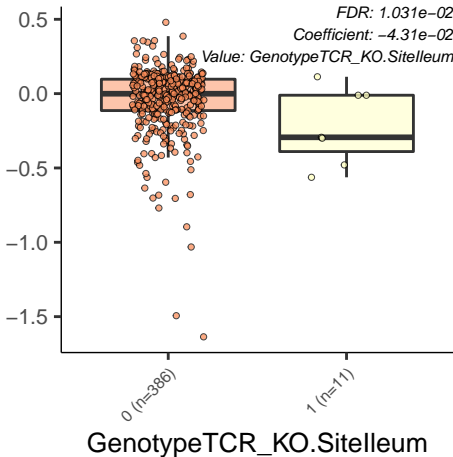


PENTOSE.P.PWY

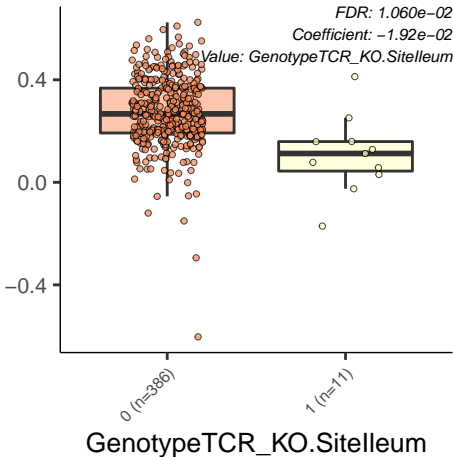
FDR: 1.031e-02

Coefficient:  $-4.31e-02$

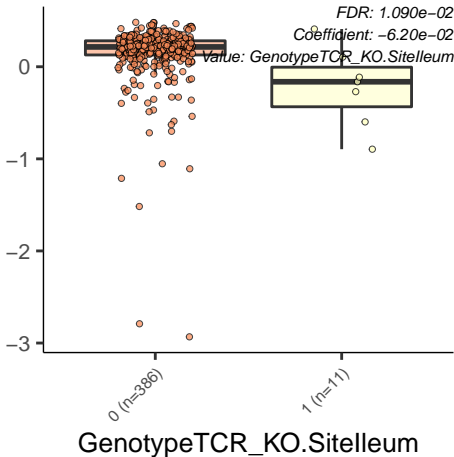
Value: GenotypeTCR\_KO.Sitelleum



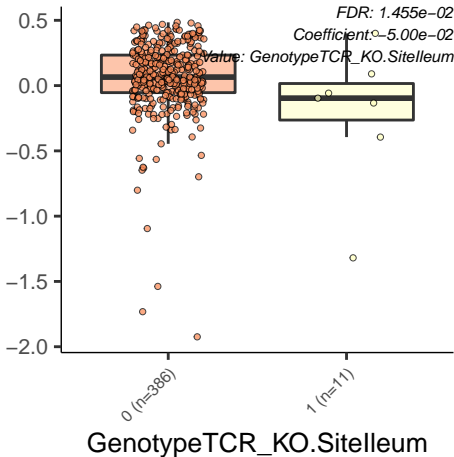
PWY.6151



TRPSYN.PWY



PWY.7323

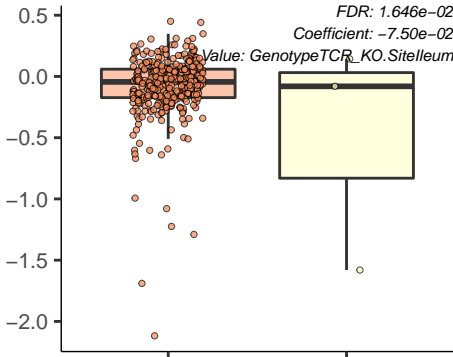


PWY.6612

FDR: 1.646e-02

Coefficient: -7.50e-02

Value: GenotypeTCR\_KO.Sitelleum



GenotypeTCR\_KO.Sitelleum



GLUCONEO.PWY

FDR: 2.016e-02

Coefficient: -1.22e-02

Value: GenotypeTCR\_KO.Sitelleum

0.4

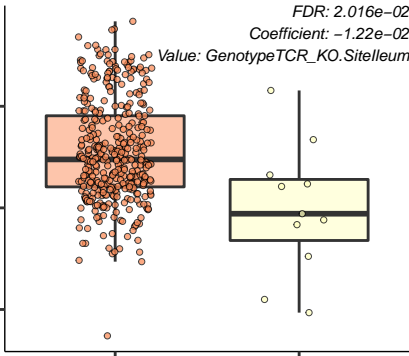
0.2

0.0

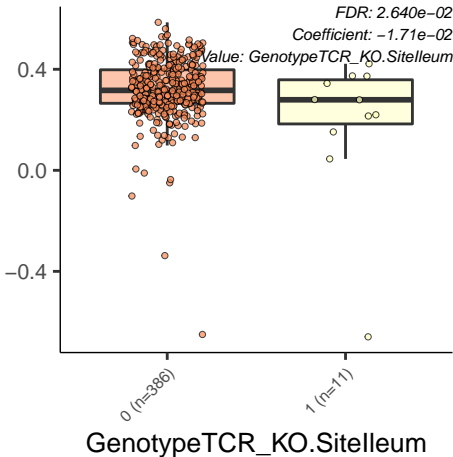
0 (n=386)

1 (n=11)

GenotypeTCR\_KO.Sitelleum



CALVIN.PWY



PWY.621

*FDR: 3.194e-02*

*Coefficient: -2.76e-02*

*Value: GenotypeTCR\_KO.Sitelleum*

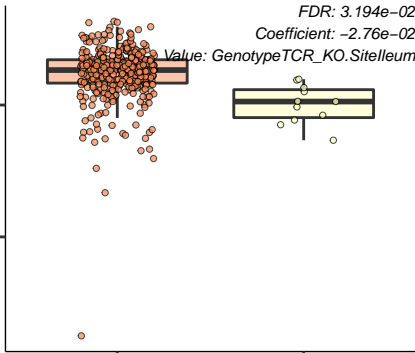
0

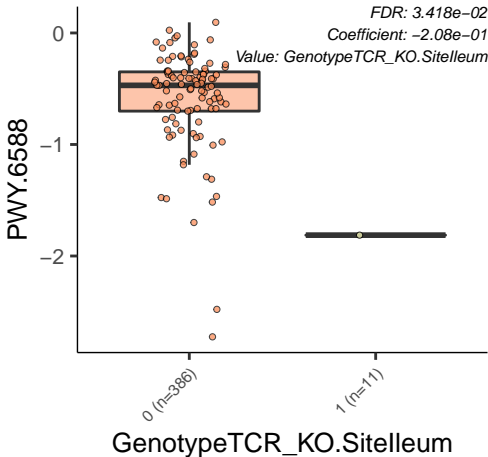
-1

0 (n=386)

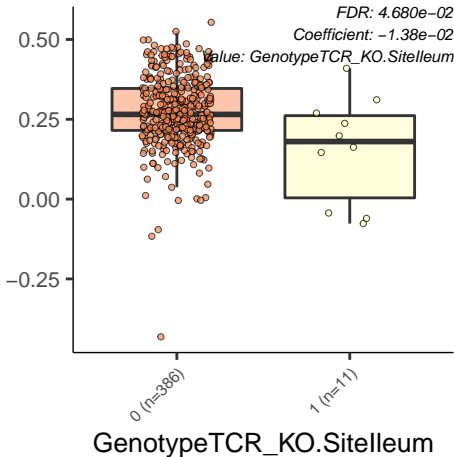
1 (n=11)

GenotypeTCR\_KO.Sitelleum

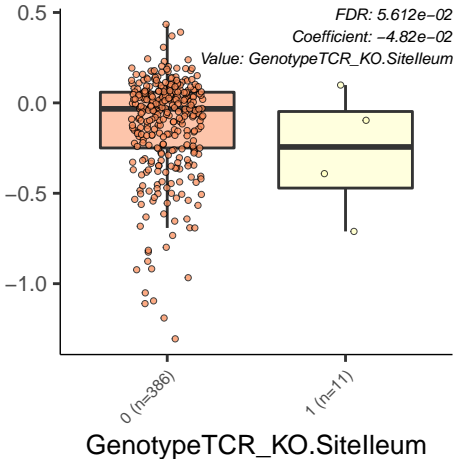




X1CMET2.PWY



PWY.5154



POLYISOPRENSYN.PWY

*FDR: 5.737e-02*

*Coefficient: -1.82e-02*

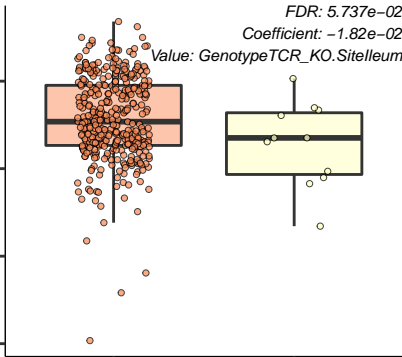
*Value: GenotypeTCR\_KO.Sitelleum*

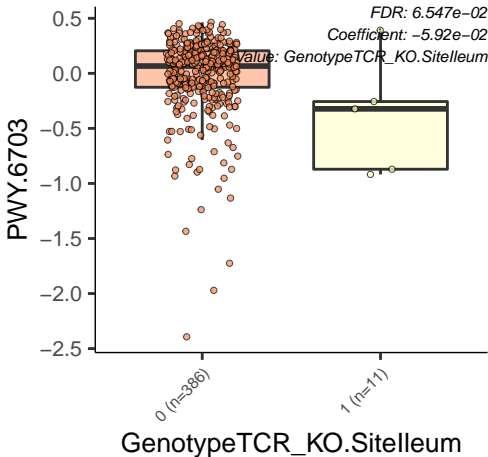
0.4  
0.0  
-0.4  
-0.8

0 (n=386)

1 (n=11)

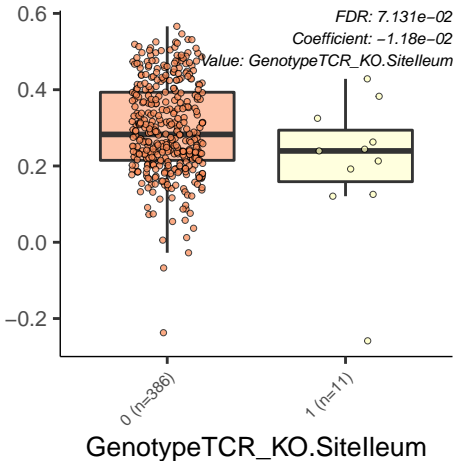
GenotypeTCR\_KO.Sitelleum







PWY.5484

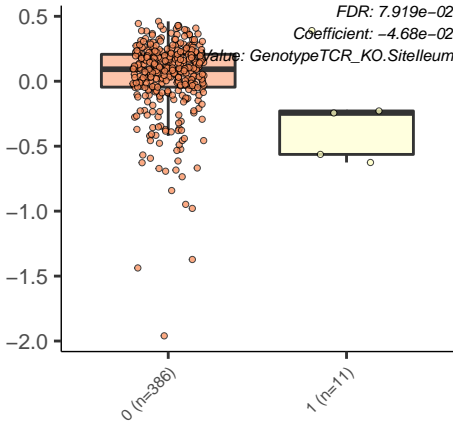


GLUCUROCAT.PWY

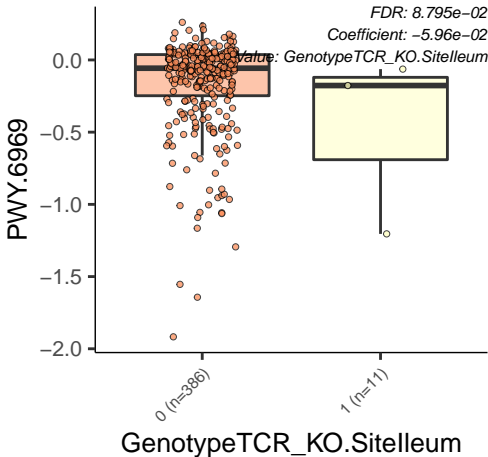
FDR:  $7.919e-02$

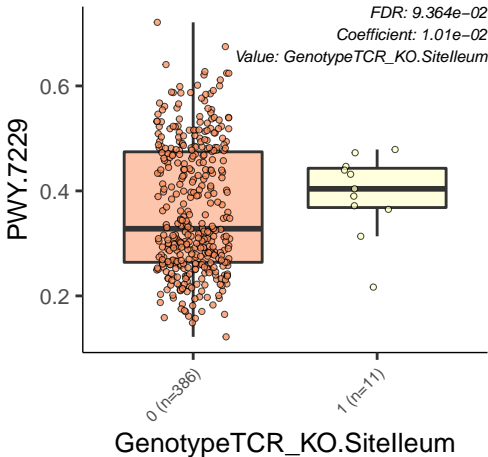
Coefficient:  $-4.68e-02$

Value: GenotypeTCR\_KO.Sitelleum

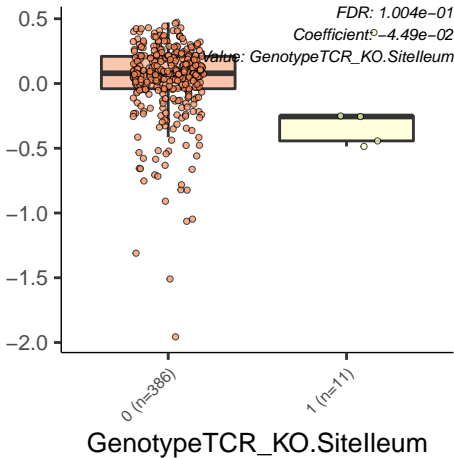


GenotypeTCR\_KO.Sitelleum





PWY.6507

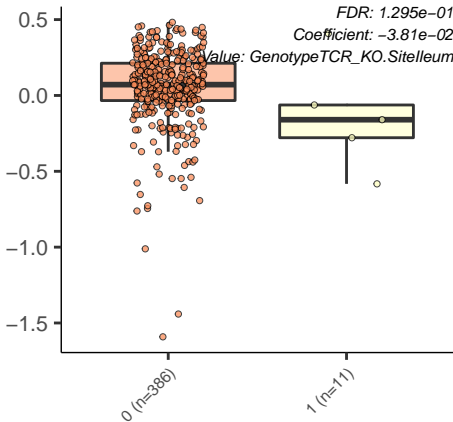


PWY.6147

FDR: 1.295e-01

Coefficient: -3.81e-02

Value: GenotypeTCR\_KO.Sitelleum



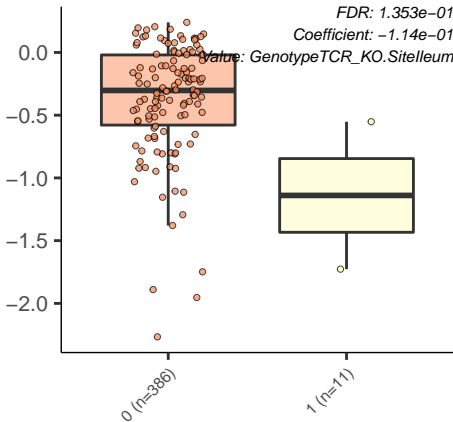
GenotypeTCR\_KO.Sitelleum

MET.SAM.PWY

FDR: 1.353e-01

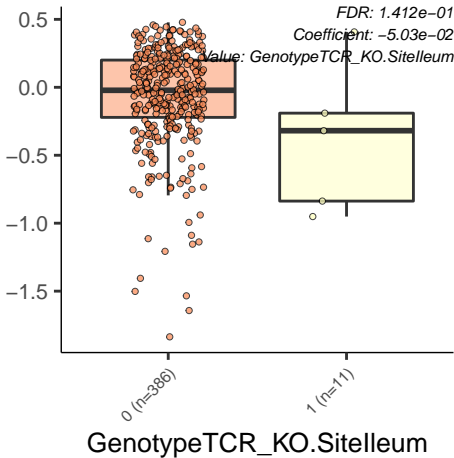
Coefficient: -1.14e-01

Value: GenotypeTCR\_KO.Sitelleum



GenotypeTCR\_KO.Sitelleum

NAGLIPASYN.PWY



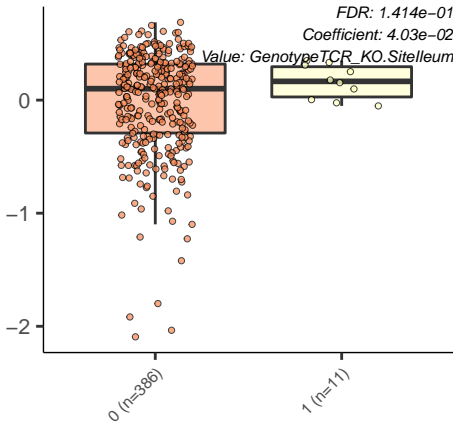


PWY.7392

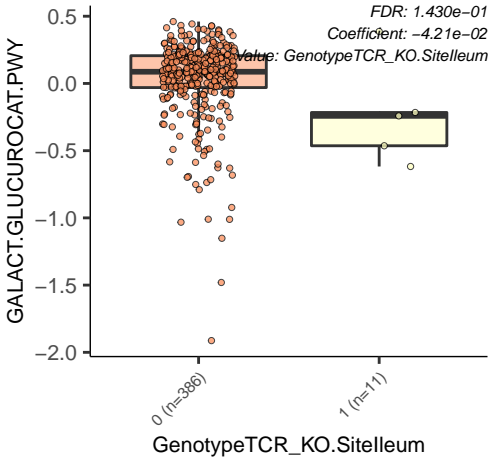
*FDR: 1.414e-01*

*Coefficient: 4.03e-02*

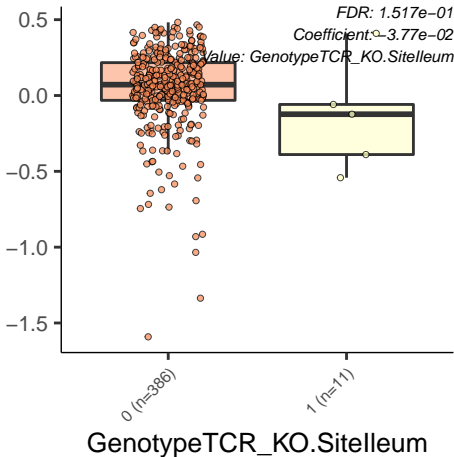
*Value: GenotypeTCR\_KO.Sitelleum*



GenotypeTCR\_KO.Sitelleum



PWY.7539



P461.PWY

*FDR: 2.293e-01*

*Coefficient: -1.02e-01*

*Value: GenotypeTCR\_KO.Sitelleum*

0

-1

-2

0 (n=386)

1 (n=11)

GenotypeTCR\_KO.Sitelleum

