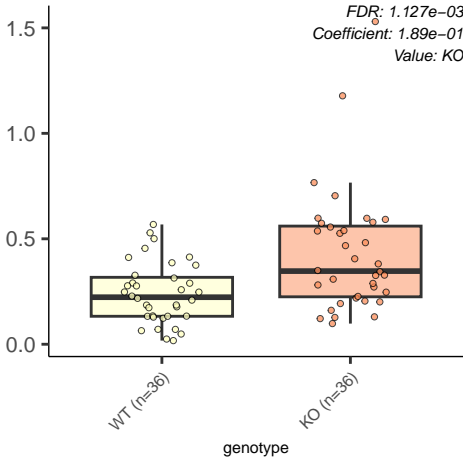


s\_\_Bacteroides\_acidifaciens

*FDR: 1.127e-03*  
*Coefficient: 1.89e-01*  
*Value: KO*



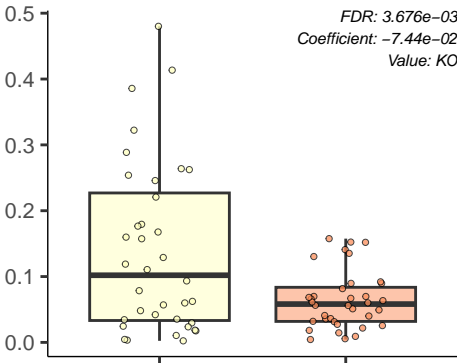
s\_GGB28934\_SGB41635

*FDR: 3.676e-03*  
*Coefficient: -7.44e-02*  
*Value: KO*

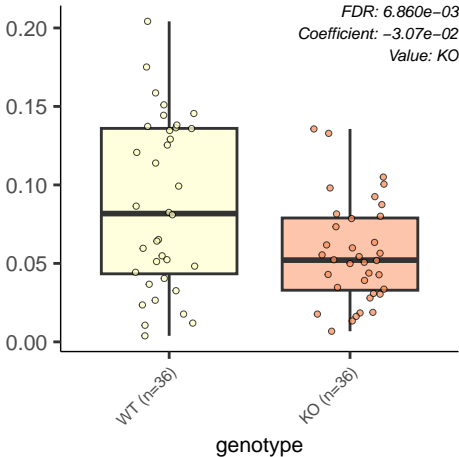
WT (n=36)

KO (n=36)

genotype



s\_bacterium\_1XD42\_76



s\_\_GGB3171\_SGB4185

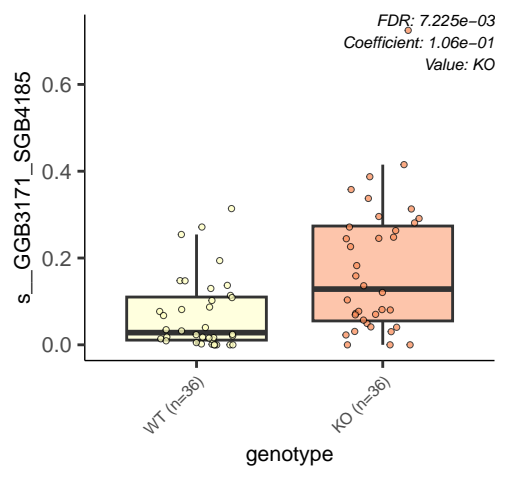
FDR:  $7.225e-03$   
Coefficient:  $1.06e-01$   
Value: KO

WT (n=36)

KO (n=36)

genotype

0.0  
0.2  
0.4  
0.6



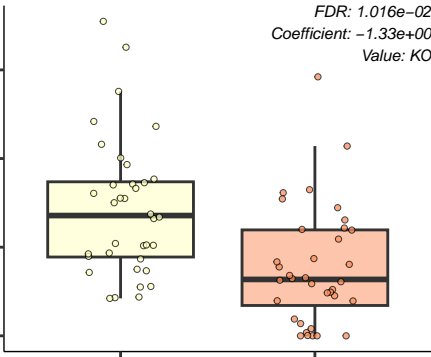
s\_GGB24102\_SGB40205

FDR: 1.016e-02  
Coefficient: -1.33e+00  
Value: KO

WT (n=36)

KO (n=36)

genotype



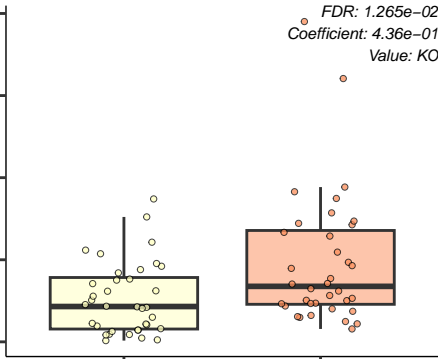
s\_\_Rikenellaceae\_bacterium

FDR: 1.265e-02  
Coefficient: 4.36e-01  
Value: KO

WT (n=36)

KO (n=36)

genotype



s\_\_bacterium\_1XD42\_54

FDR:  $1.265e-02$   
Coefficient:  $1.66e-02$   
Value: KO

0.10

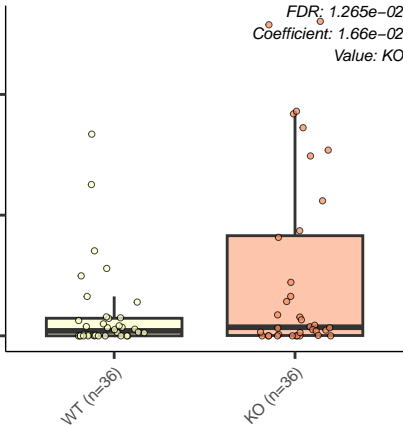
0.05

0.00

WT (n=36)

KO (n=36)

genotype



s\_GGB28849\_SGB41516

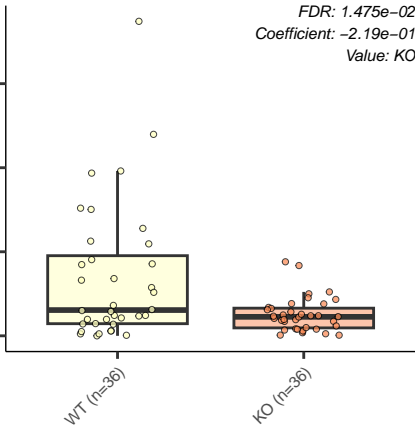
FDR:  $1.475e-02$   
Coefficient:  $-2.19e-01$   
Value: KO

1.5  
1.0  
0.5  
0.0

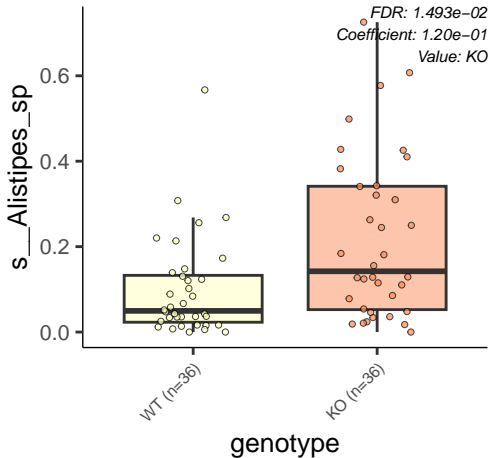
WT (n=36)

KO (n=36)

genotype







s\_\_Turcibacter\_sp\_TS3

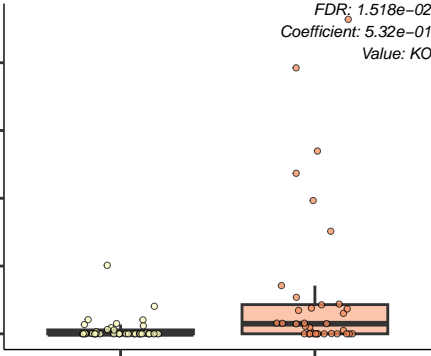
FDR: 1.518e-02  
Coefficient: 5.32e-01  
Value: KO

WT (n=36)

KO (n=36)

genotype

4  
3  
2  
1  
0



s\_\_Parabacteroides\_distasonis

FDR: 1.798e-02  
Coefficient: 9.97e-02  
Value: KO

0.75

0.50

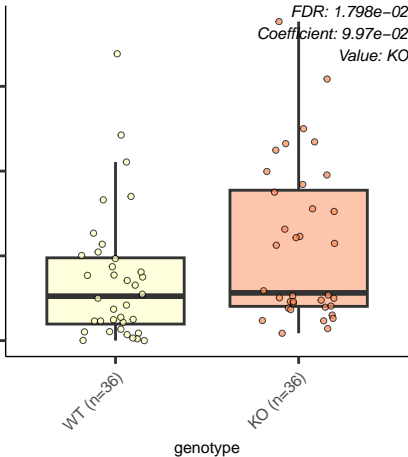
0.25

0.00

WT (n=36)

KO (n=36)

genotype



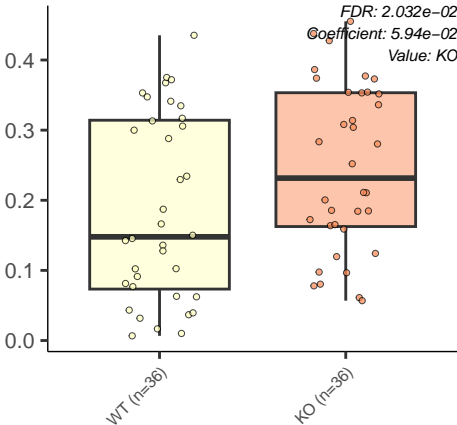
s\_GGB27776\_SGB40190

WT (n=36)

KO (n=36)

genotype

FDR: 2.032e-02  
Coefficient: 5.94e-02  
Value: KO



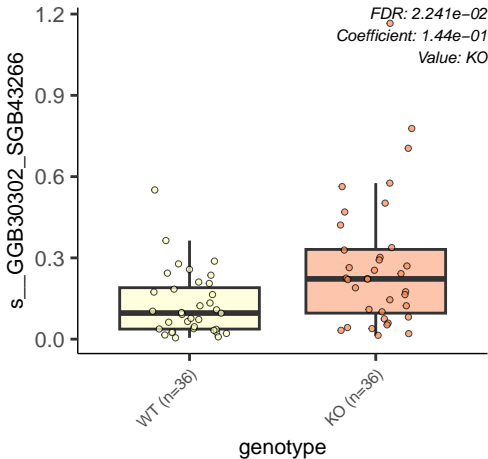
s\_GGB30302\_SGB43266

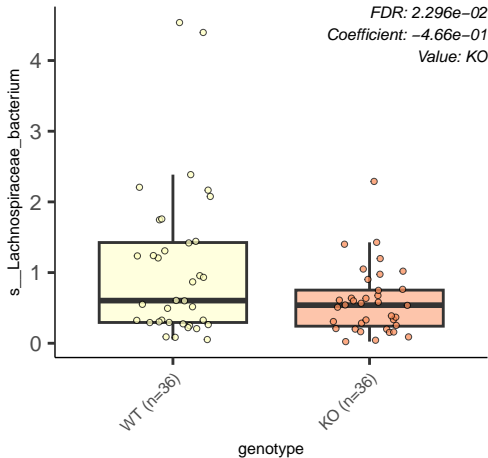
FDR: 2.241e-02  
Coefficient: 1.44e-01  
Value: KO

WT (n=36)

KO (n=36)

genotype





s\_Muribaculum\_intestinale

2

1

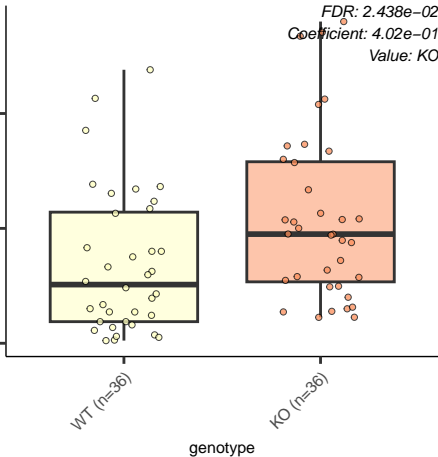
0

WT (n=36)

KO (n=36)

genotype

FDR:  $2.438e-02$   
Coefficient:  $4.02e-01$   
Value: KO



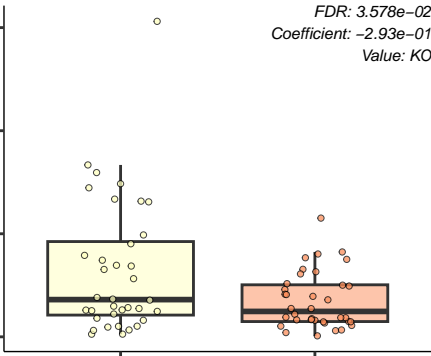
s\_GGB28904\_SGB41597

FDR:  $3.578e-02$   
Coefficient:  $-2.93e-01$   
Value: KO

WT (n=36)

KO (n=36)

genotype





s\_GGB29006\_SGB41725

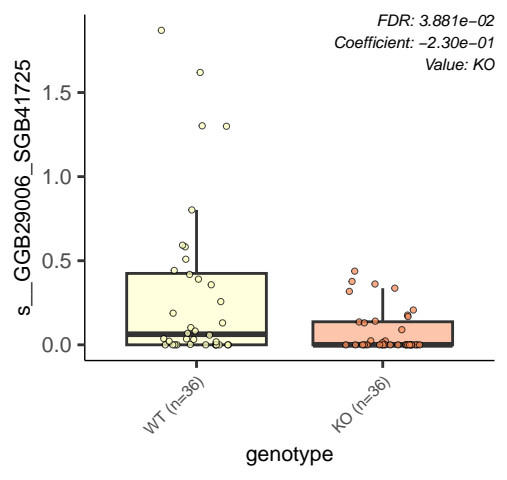
FDR:  $3.881e-02$   
Coefficient:  $-2.30e-01$   
Value: KO

WT (n=36)

KO (n=36)

genotype

1.5  
1.0  
0.5  
0.0



s\_Adlercreutzia\_caecicola

FDR:  $4.523e-02$   
Coefficient:  $8.67e-03$   
Value: KO

0.075

0.050

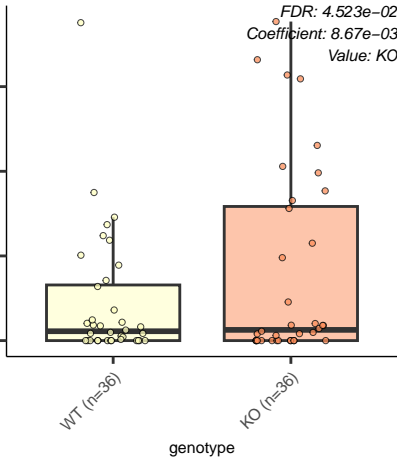
0.025

0.000

WT (n=36)

KO (n=36)

genotype



s\_GGB27898\_SGB40333

10

5

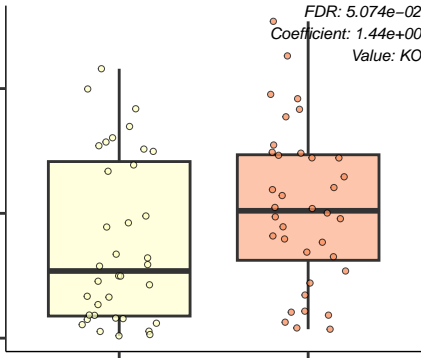
0

WT (n=36)

KO (n=36)

genotype

FDR:  $5.074e-02$   
Coefficient:  $1.44e+00$   
Value: KO



s\_\_Ligilactobacillus\_murinus

FDR: 5.477e-02  
Coefficient: 5.53e-01  
Value: KO

6

4

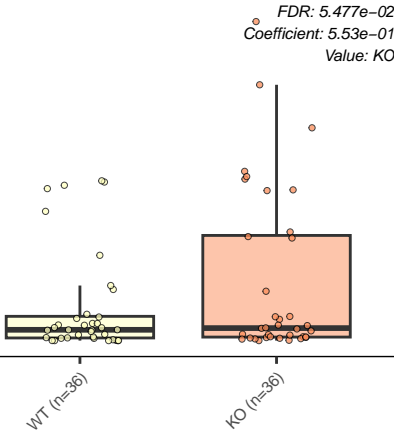
2

0

WT (n=36)

KO (n=36)

genotype



s\_GGB27791\_SGB40207

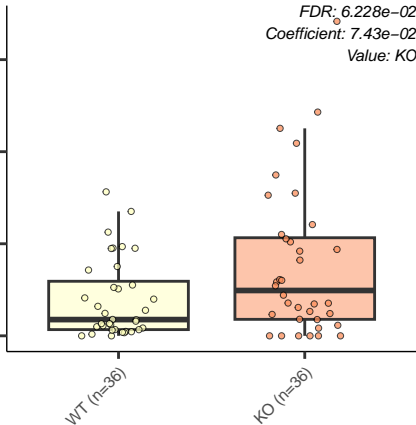
FDR:  $6.228e-02$   
Coefficient:  $7.43e-02$   
Value: KO

0.6  
0.4  
0.2  
0.0

WT (n=36)

KO (n=36)

genotype



s\_GGB28927\_SGB41625

FDR:  $7.157e-02$

Coefficient:  $-9.56e-02$

Value: KO

1.0

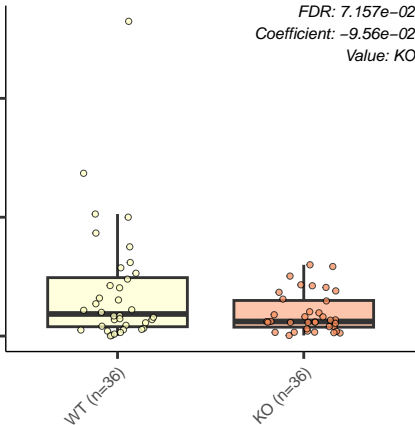
0.5

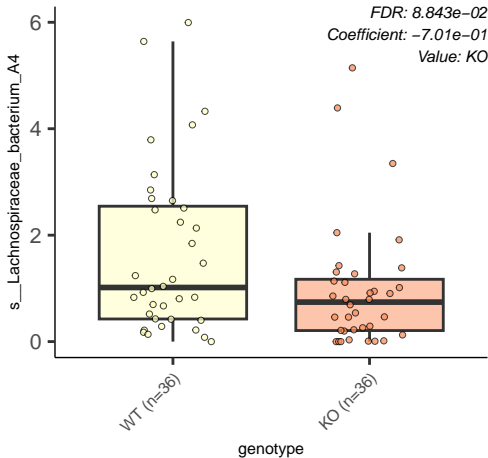
0.0

WT (n=36)

KO (n=36)

genotype





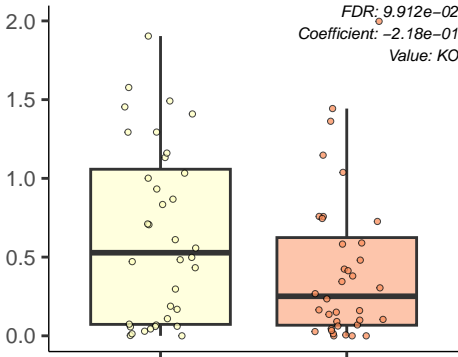
s\_GGB28836\_SGB41496

FDR:  $9.912e-02$   
Coefficient:  $-2.18e-01$   
Value: KO

WT (n=36)

KO (n=36)

genotype





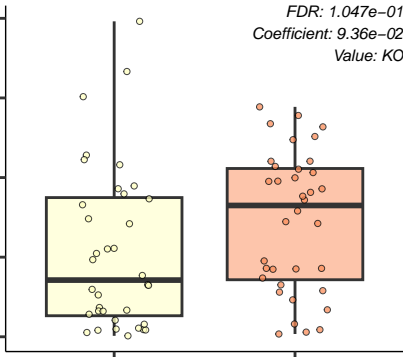
s\_GGB24149\_SGB35953

*FDR: 1.047e-01*  
*Coefficient: 9.36e-02*  
*Value: KO*

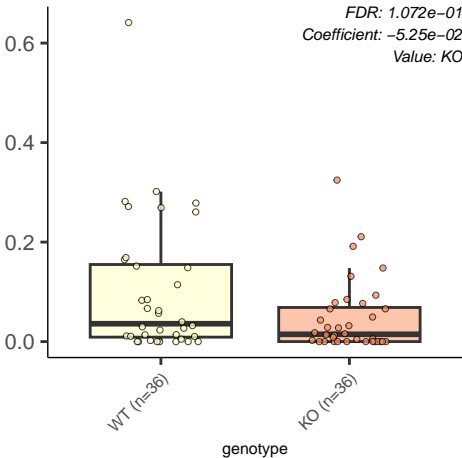
WT (n=36)

KO (n=36)

genotype



s\_Schaeclerella\_arabinosiphila



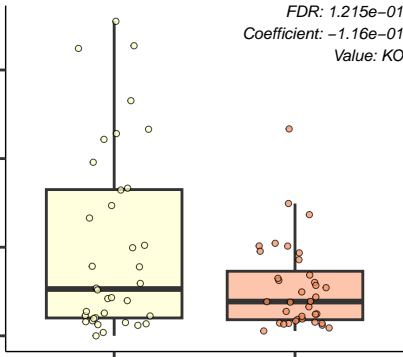
s\_GGB29003\_SGB41719

FDR: 1.215e-01  
Coefficient: -1.16e-01  
Value: KO

WT (n=36)

KO (n=36)

genotype



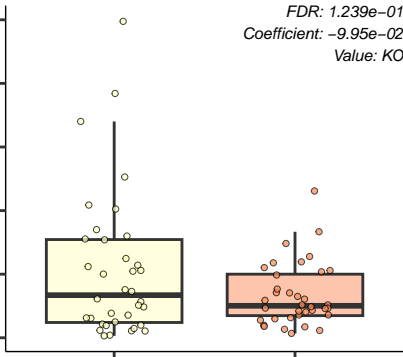
s\_GGB28870\_SGB41546

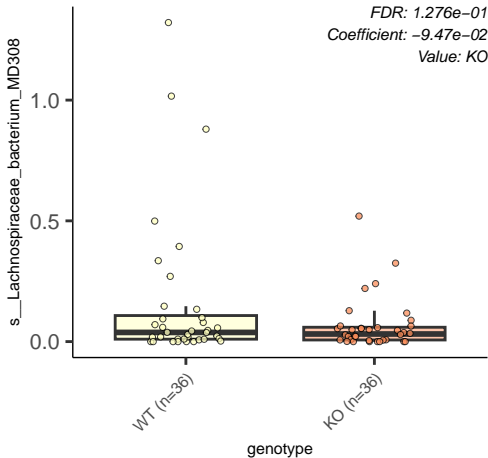
FDR: 1.239e-01  
Coefficient: -9.95e-02  
Value: KO

WT (n=36)

KO (n=36)

genotype





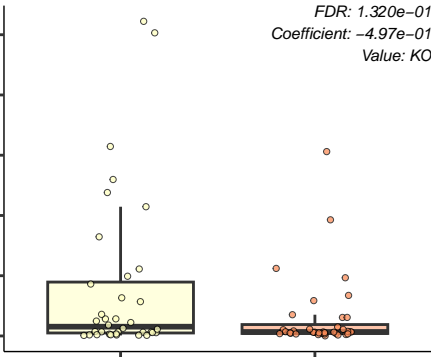
s\_GGB28851\_SGB41518

FDR: 1.320e-01  
Coefficient: -4.97e-01  
Value: KO

WT (n=36)

KO (n=36)

genotype



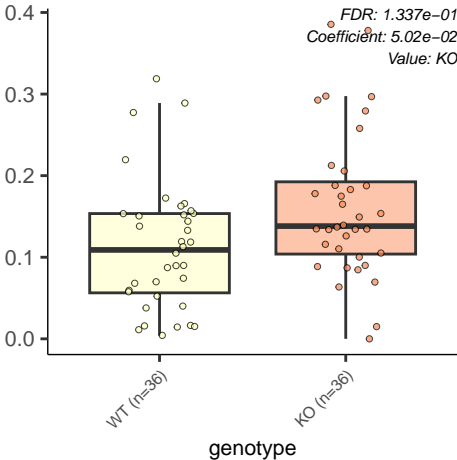
s\_GGB27893\_SGB40327

FDR: 1.337e-01  
Coefficient: 5.02e-02  
Value: KO

WT (n=36)

KO (n=36)

genotype



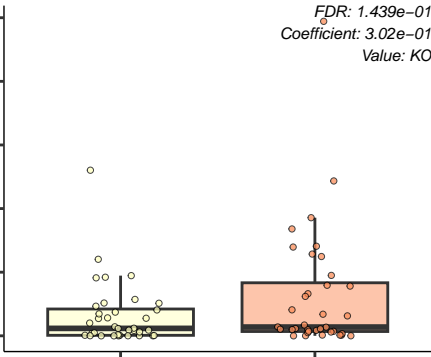
s\_GGB28265\_SGB40817

FDR: 1.439e-01  
Coefficient: 3.02e-01  
Value: KO

WT (n=36)

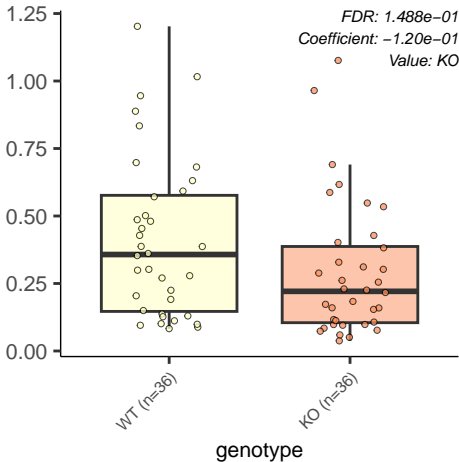
KO (n=36)

genotype





s\_GGB28310\_SGB40880



s\_\_GGB31439\_SGB44769

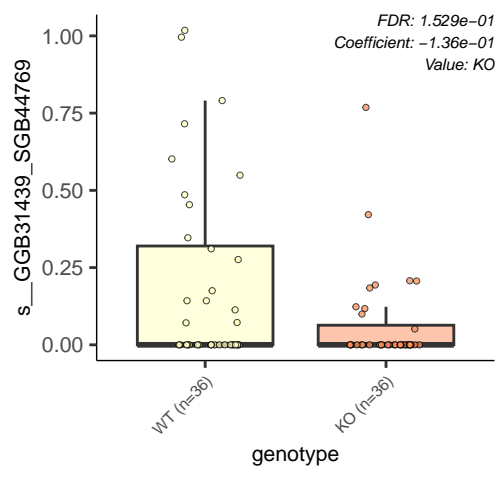
FDR: 1.529e-01  
Coefficient: -1.36e-01  
Value: KO

1.00  
0.75  
0.50  
0.25  
0.00

WT (n=36)

KO (n=36)

genotype



s\_\_Lachnospiraceae\_bacterium\_28\_4

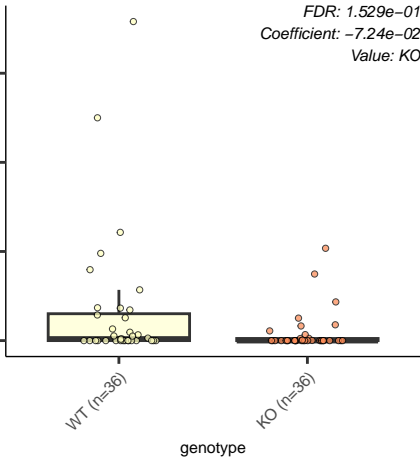
FDR: 1.529e-01  
Coefficient: -7.24e-02  
Value: KO

0.9  
0.6  
0.3  
0.0

WT (n=36)

KO (n=36)

genotype



s\_\_GGB28393\_SGB40973

FDR: 1.557e-01  
Coefficient: -2.01e-01  
Value: KO

WT (n=36)

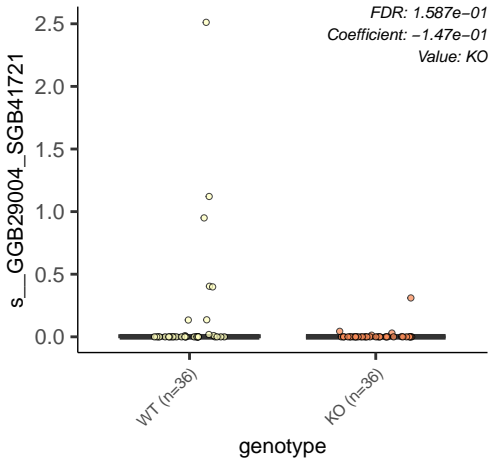
KO (n=36)

genotype

2

1

0



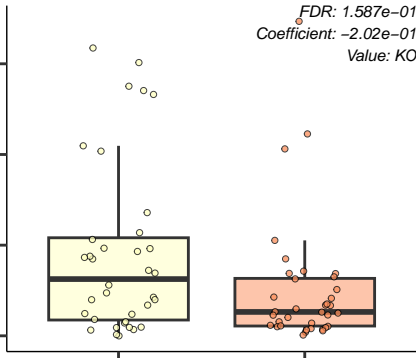
s\_GGB28807\_SGB41461

FDR:  $1.587e-01$   
Coefficient:  $-2.02e-01$   
Value: KO

WT (n=36)

KO (n=36)

genotype



s\_GGB30461\_SGB43530

FDR: 1.587e-01

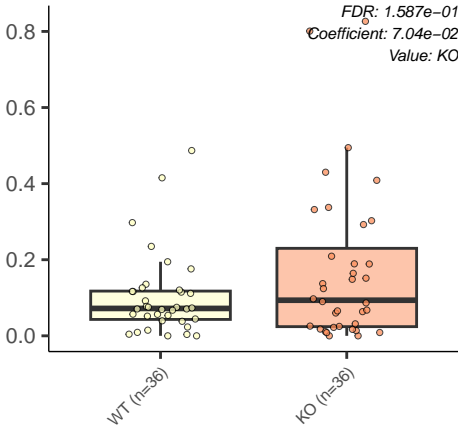
Coefficient: 7.04e-02

Value: KO

WT (n=36)

KO (n=36)

genotype



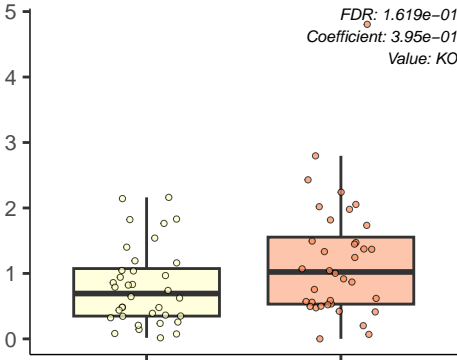
s\_GGB28384\_SGB40964

FDR: 1.619e-01  
Coefficient: 3.95e-01  
Value: KO

WT (n=36)

KO (n=36)

genotype





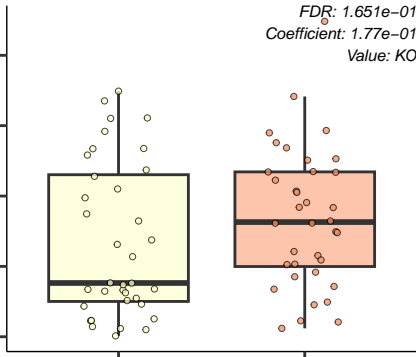
s\_GGB24132\_SGB35935

FDR: 1.651e-01  
Coefficient: 1.77e-01  
Value: KO

WT (n=36)

KO (n=36)

genotype



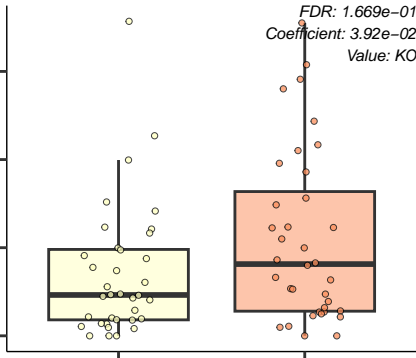
s\_GGB30445\_SGB43494

FDR: 1.669e-01  
Coefficient: 3.92e-02  
Value: KO

WT (n=36)

KO (n=36)

genotype



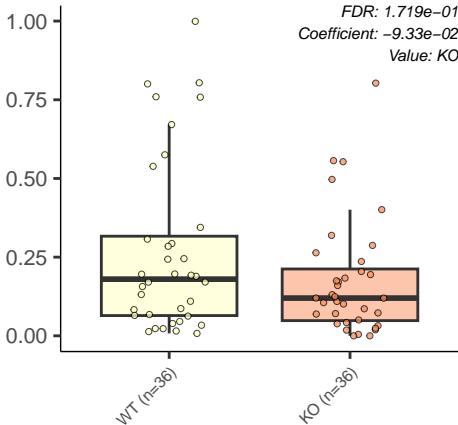
s\_GGB28793\_SGB41446

FDR: 1.719e-01  
Coefficient: -9.33e-02  
Value: KO

WT (n=36)

KO (n=36)

genotype



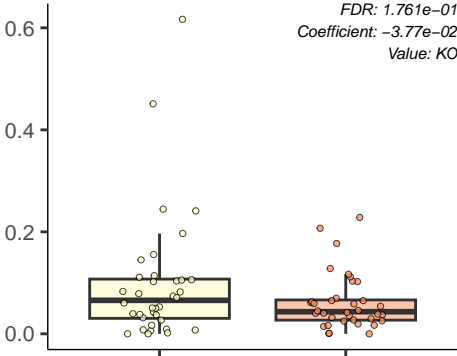
s\_GGB28963\_SGB41672

FDR: 1.761e-01  
Coefficient: -3.77e-02  
Value: KO

WT (n=36)

KO (n=36)

genotype



s\_GGB30295\_SGB43259

FDR: 1.791e-01

Coefficient: -7.37e-03

Value: KO

0.09

0.06

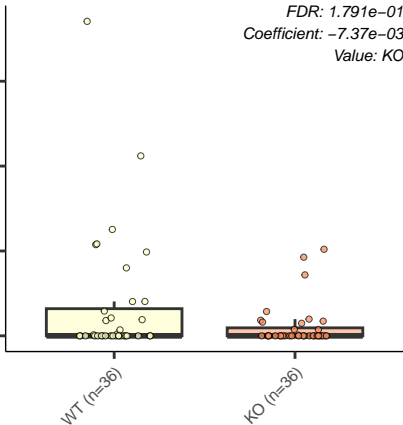
0.03

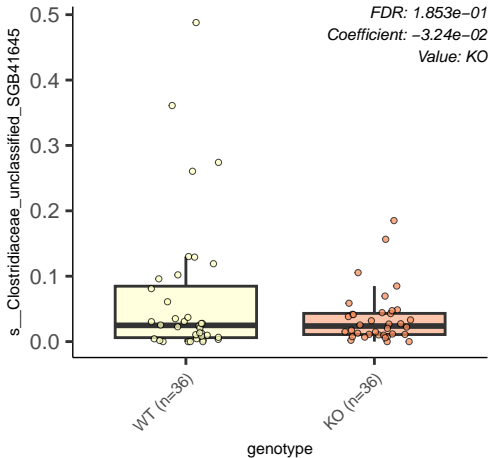
0.00

WT (n=36)

KO (n=36)

genotype





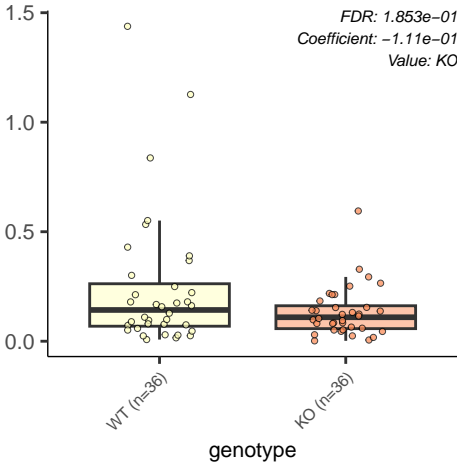
s\_GGB28869\_SGB41543

*FDR: 1.853e-01*  
*Coefficient: -1.11e-01*  
*Value: KO*

WT (n=36)

KO (n=36)

genotype



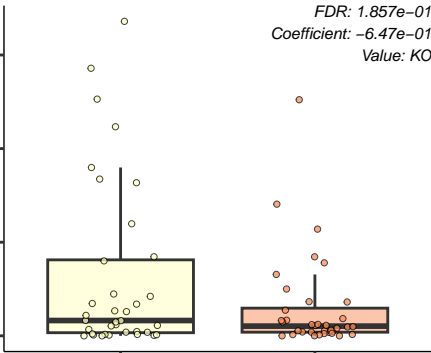
s\_GGB28790\_SGB41443

FDR:  $1.857e-01$   
Coefficient:  $-6.47e-01$   
Value: KO

WT (n=36)

KO (n=36)

genotype





s\_GGB31184\_SGB44478

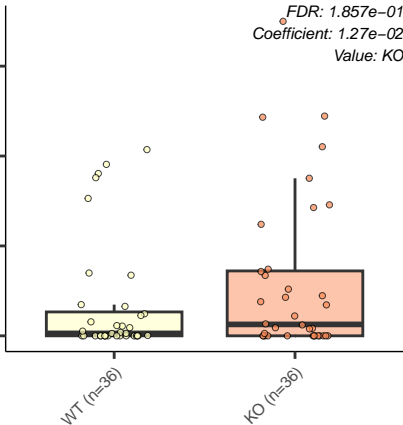
FDR: 1.857e-01  
Coefficient: 1.27e-02  
Value: KO

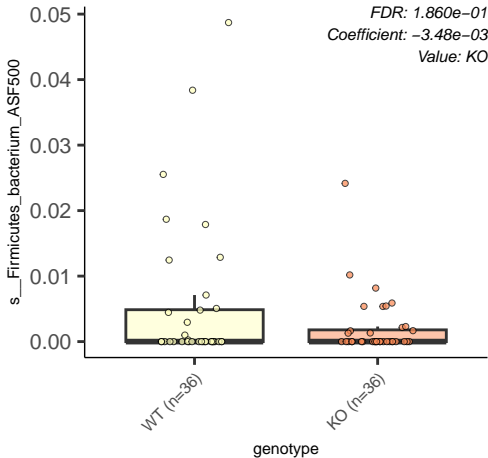
0.15  
0.10  
0.05  
0.00

WT (n=36)

KO (n=36)

genotype





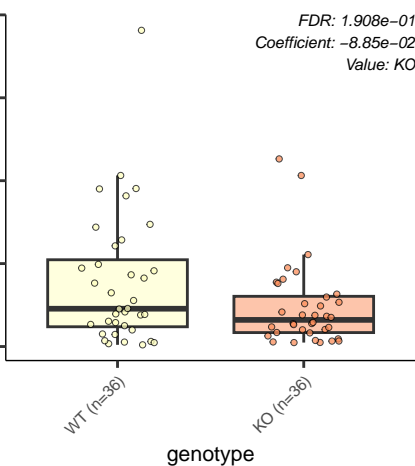
s\_GGB28949\_SGB41655

*FDR: 1.908e-01*  
*Coefficient: -8.85e-02*  
*Value: KO*

WT (n=36)

KO (n=36)

genotype



s\_Romboutsia\_ilealis

FDR: 1.926e-01  
Coefficient: 6.99e-02  
Value: KO

0.75

0.50

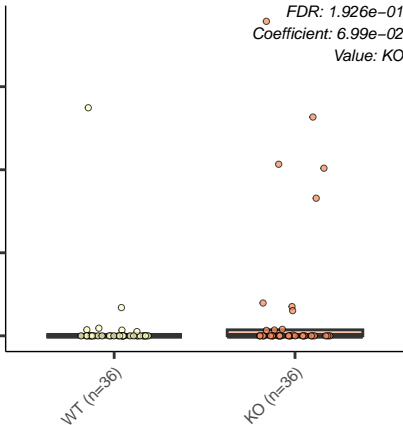
0.25

0.00

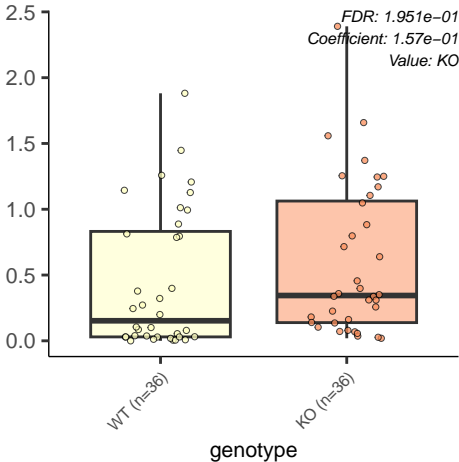
WT (n=36)

KO (n=36)

genotype



s\_GGB14013\_SGB21440



s\_\_Parabacteroides\_goldsteinii

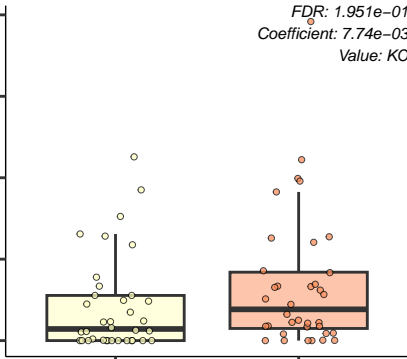
*FDR: 1.951e-01*  
*Coefficient: 7.74e-03*  
*Value: KO*

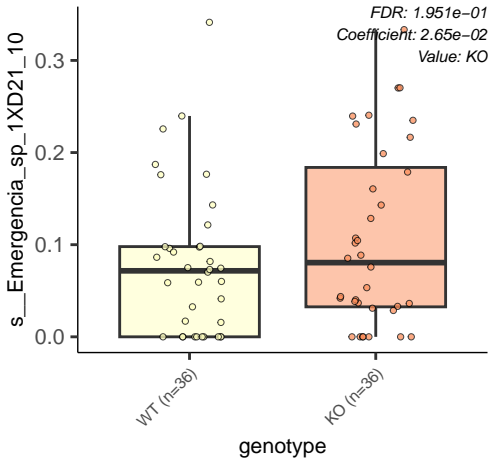
0.12  
0.09  
0.06  
0.03  
0.00

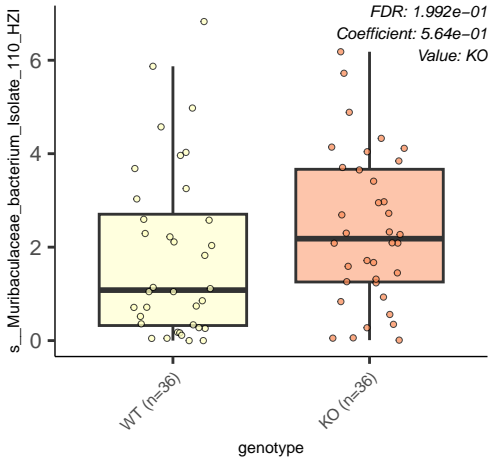
WT (n=36)

KO (n=36)

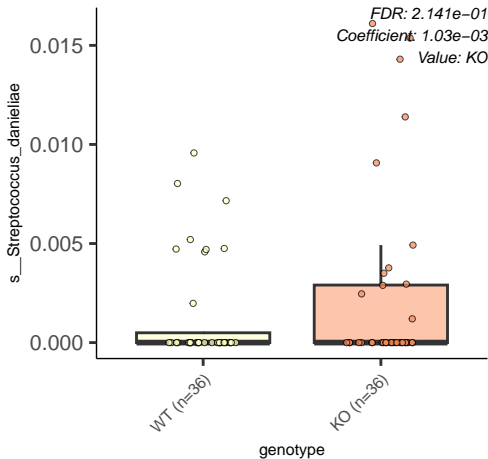
genotype











s\_GGB28945\_SGB41650

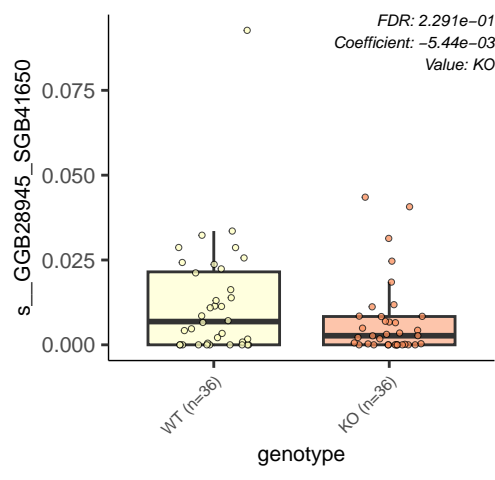
FDR: 2.291e-01  
Coefficient: -5.44e-03  
Value: KO

0.075  
0.050  
0.025  
0.000

WT (n=36)

KO (n=36)

genotype



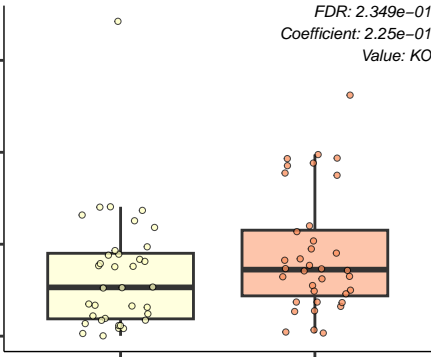
s\_GGB23844\_SGB35575

FDR: 2.349e-01  
Coefficient: 2.25e-01  
Value: KO

WT (n=36)

KO (n=36)

genotype



s\_GGB28846\_SGB41513

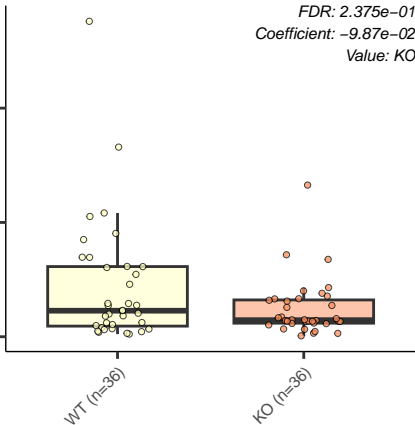
FDR:  $2.375e-01$   
Coefficient:  $-9.87e-02$   
Value: KO

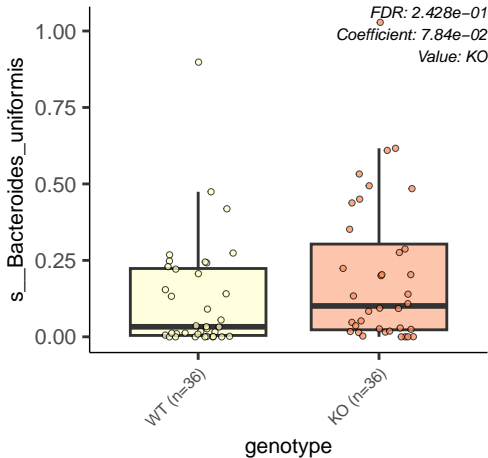
1.0  
0.5  
0.0

WT (n=36)

KO (n=36)

genotype





s\_Clostridiales\_bacterium

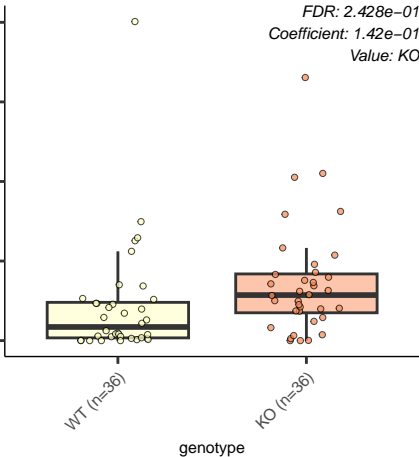
2.0  
1.5  
1.0  
0.5  
0.0

*FDR: 2.428e-01*  
*Coefficient: 1.42e-01*  
*Value: KO*

WT (n=36)

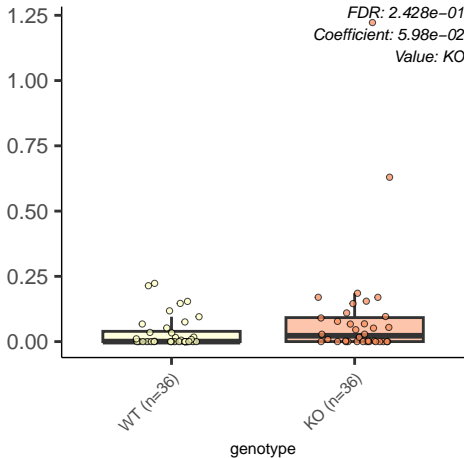
KO (n=36)

genotype



s\_Faecalibaculum\_rodentium

FDR: 2.428e-01  
Coefficient: 5.98e-02  
Value: KO



s\_\_Prevotella\_sp\_PCJ2

FDR: 2.494e-01  
Coefficient: 1.89e-01  
Value: KO

WT (n=36)

KO (n=36)

genotype

