

PL3\_3.hmm

1.00  
0.75  
0.50  
0.25  
0.00

*FDR: 1.316e-03*  
*Coefficient: 3.37e-01*  
*Value: T\_712*

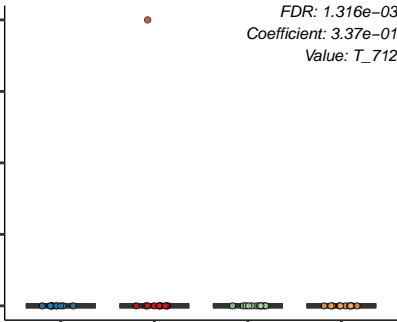
T\_GUS (n=10)

T\_712 (n=11)

T\_CCD8 (n=11)

T\_722 (n=10)

group



PL10\_2.hmm

FDR: 4.735e-03

Coefficient: -1.38e+00

Value: T\_712

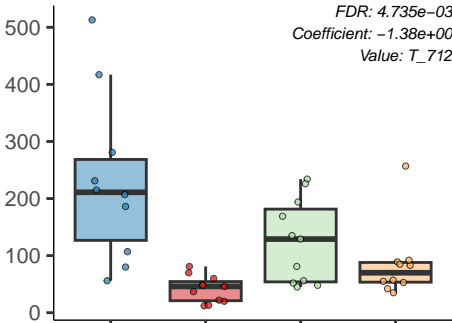
T\_GUS (n=10)

T\_712 (n=11)

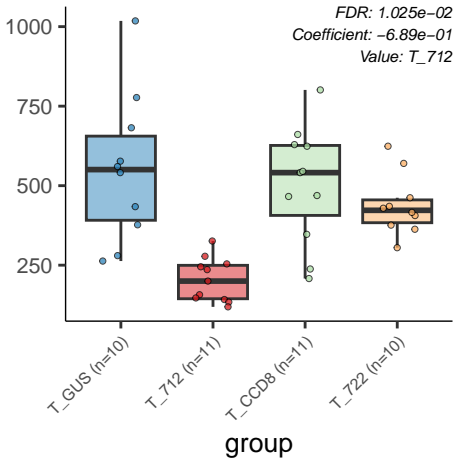
T\_CCD8 (n=11)

T\_722 (n=10)

group



CBM47.hmm

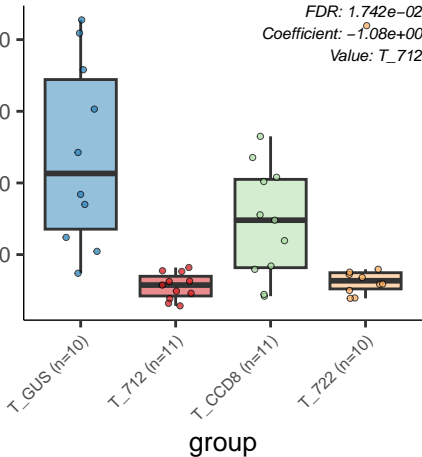


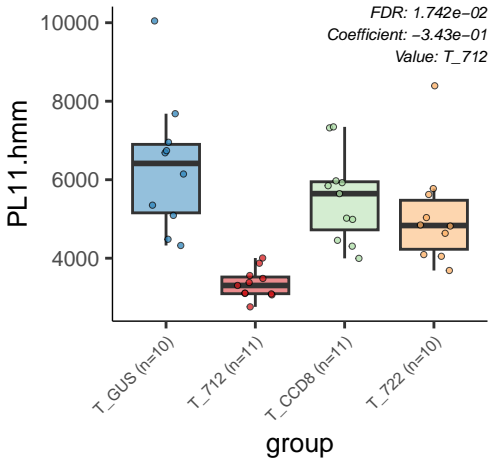
CBM11.hmm

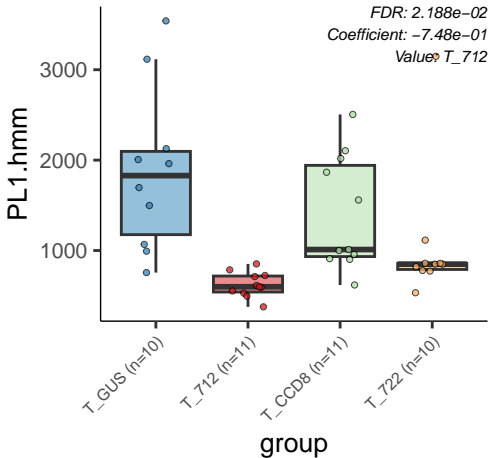
FDR: 1.742e-02

Coefficient: -1.08e+00

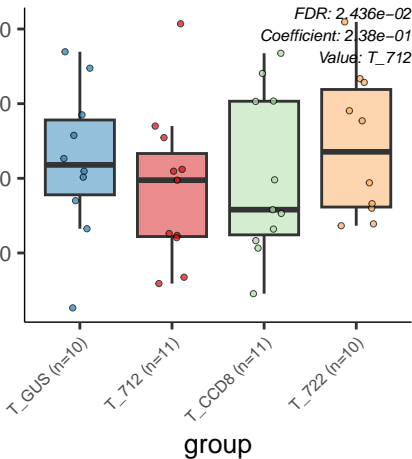
Value: T\_712



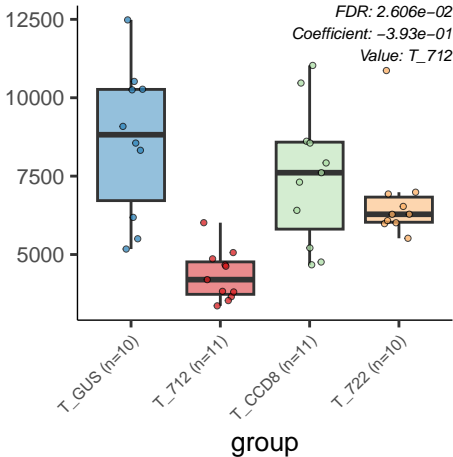




GH125.hmm



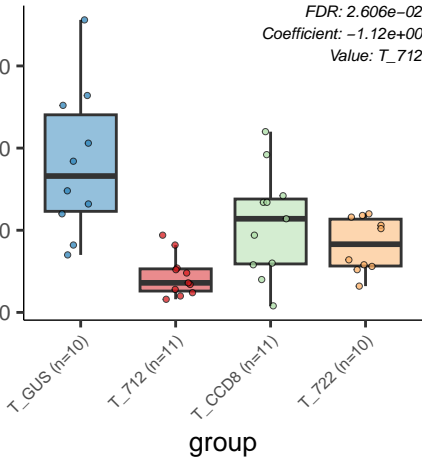
CE15.hmm





GH107.hmm

FDR: 2.606e-02  
Coefficient: -1.12e+00  
Value: T\_712

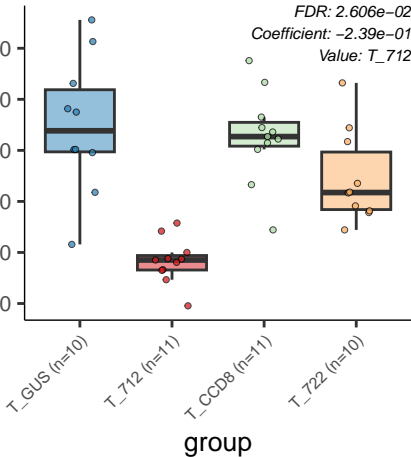


GH133.hmm

FDR: 2.606e-02

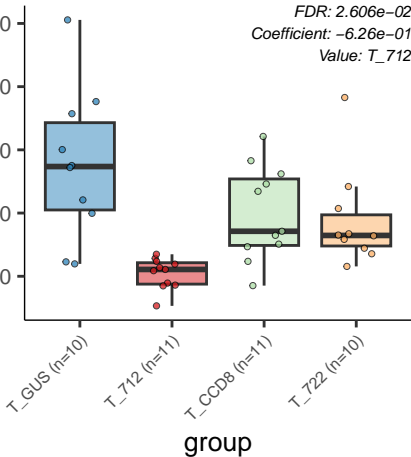
Coefficient: -2.39e-01

Value: T\_712



GH43\_17.hmm

FDR: 2.606e-02  
Coefficient: -6.26e-01  
Value: T\_712



CBM11.hmm

FDR: 2.663e-02

Coefficient: -9.84e-01

Value: T\_722

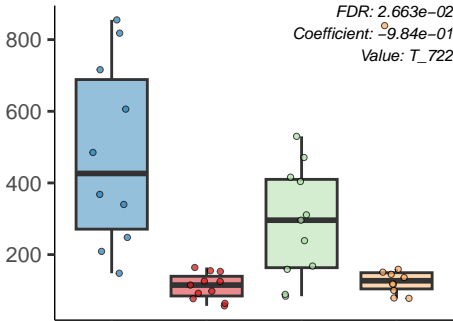
T\_GUS (n=10)

T\_712 (n=11)

T\_CCD8 (n=11)

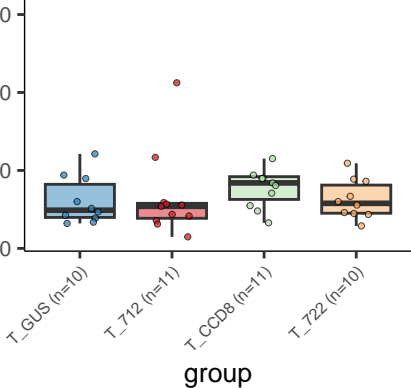
T\_722 (n=10)

group

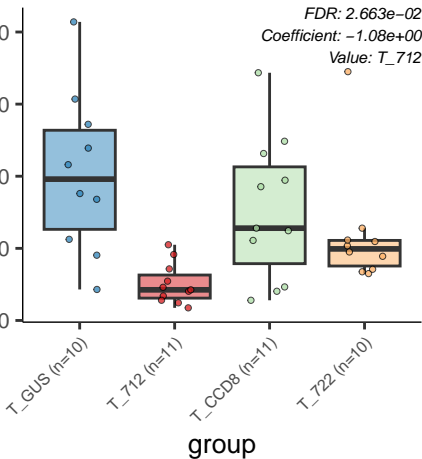


GH47.hmm

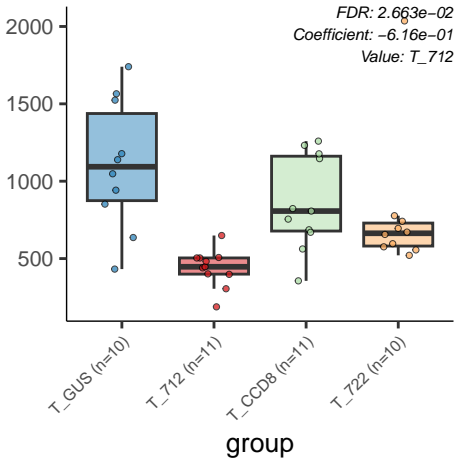
FDR: 2.663e-02  
Coefficient: 2.82e-01  
Value: T\_712



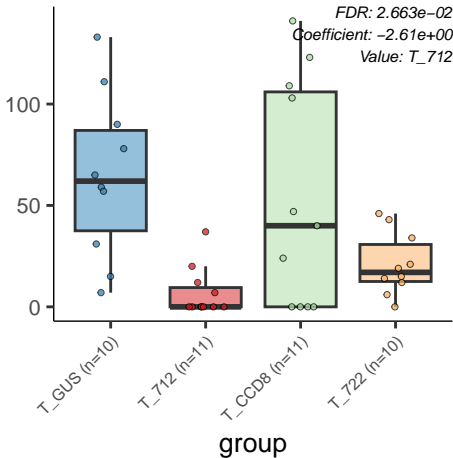
GH52.hmm



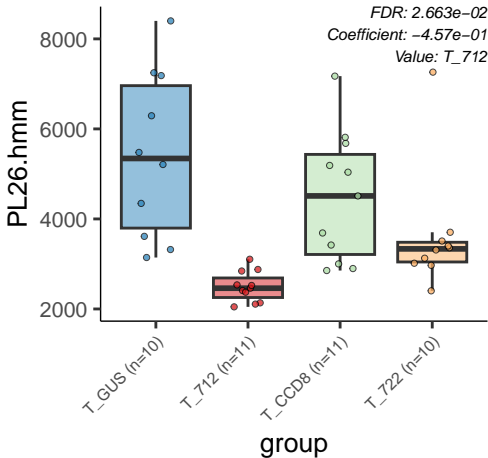
PL11\_2.hmm



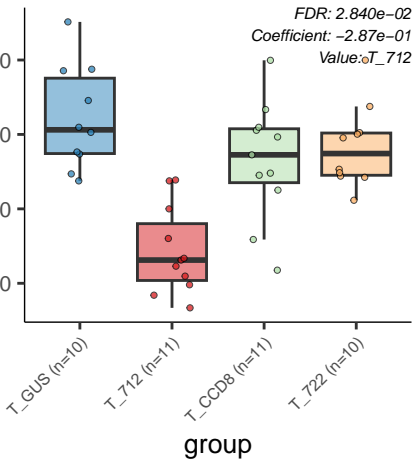
PL15\_1.hmm







GT89.hmm

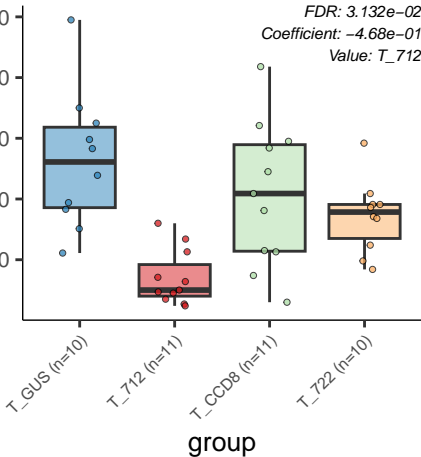


GH5\_36.hmm

FDR: 3.132e-02

Coefficient: -4.68e-01

Value: T\_712

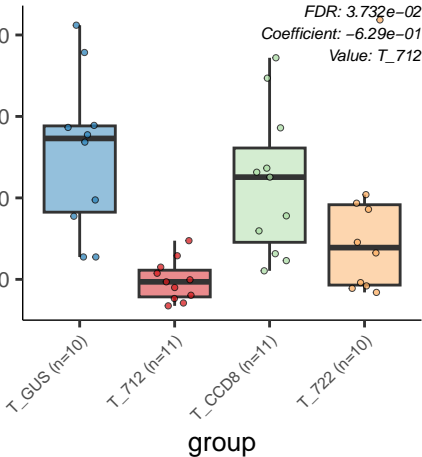


PL20.hmm

*FDR: 3.732e-02*

*Coefficient: -6.29e-01*

*Value: T\_712*



CE12.hmm

12000

9000

6000

T\_GUS (n=10)

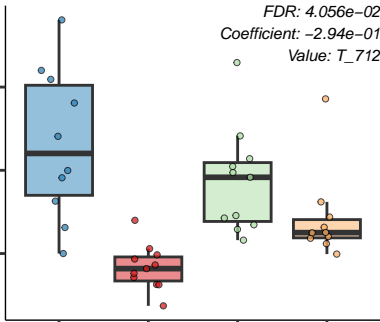
T\_712 (n=11)

T\_CCD8 (n=11)

T\_722 (n=10)

group

FDR:  $4.056e-02$   
Coefficient:  $-2.94e-01$   
Value: T\_712

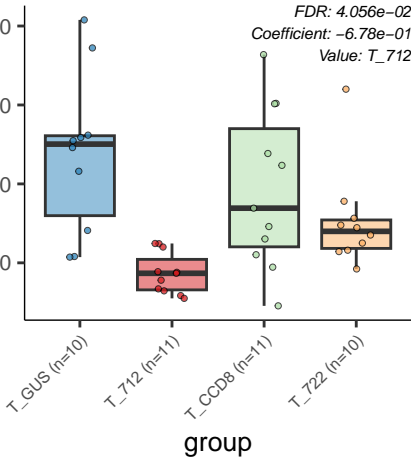


GH100.hmm

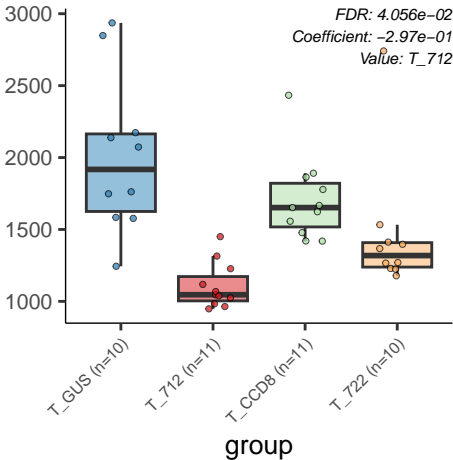
FDR: 4.056e-02

Coefficient: -6.78e-01

Value: T\_712



GH145.hmm

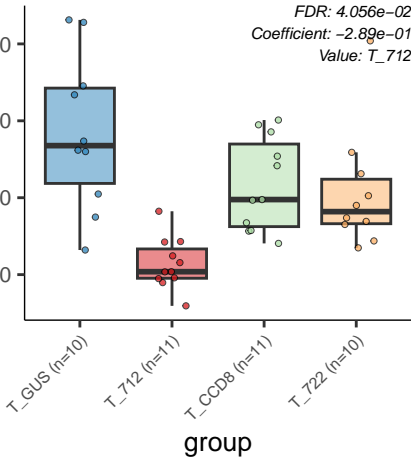


GH43\_11.hmm

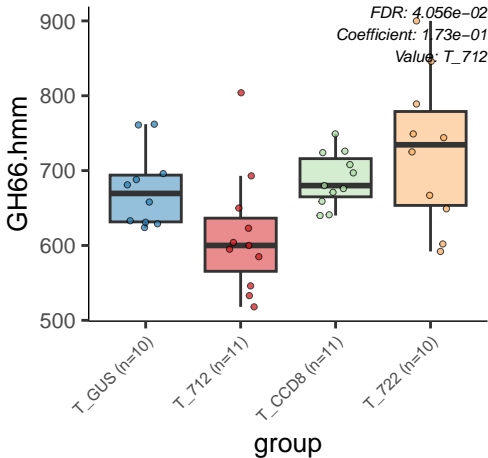
FDR: 4.056e-02

Coefficient: -2.89e-01

Value: T\_712







PL22\_2.hmm

FDR: 4.056e-02

Coefficient: -5.56e-01

Value: T\_712

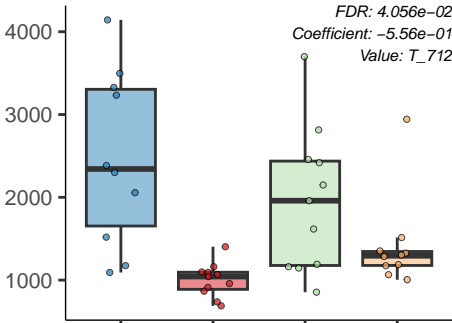
T\_GUS (n=10)

T\_712 (n=11)

T\_CCD8 (n=11)

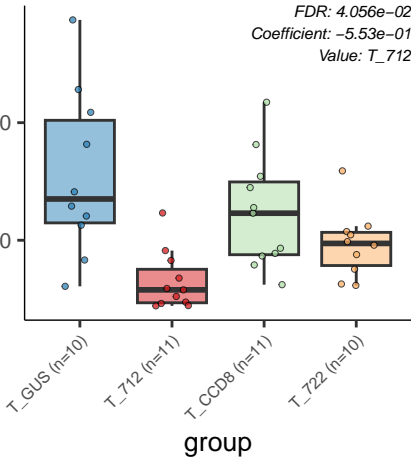
T\_722 (n=10)

group



PL6\_2.hmm

FDR: 4.056e-02  
Coefficient: -5.53e-01  
Value: T\_712



GT14.hmm

*FDR: 4.297e-02*  
*Coefficient: 2.90e-01*  
*Value: T\_712*

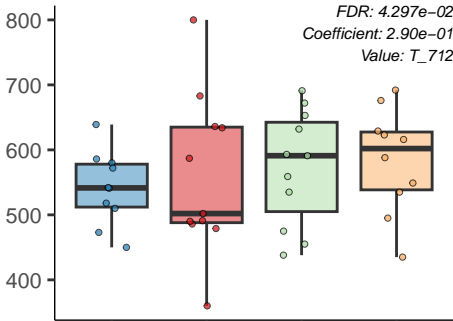
T\_GUS (n=10)

T\_712 (n=11)

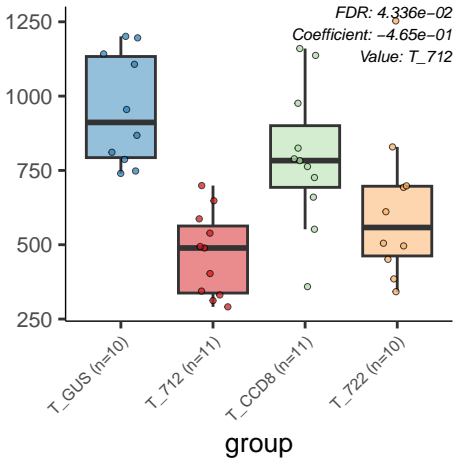
T\_CCD8 (n=11)

T\_722 (n=10)

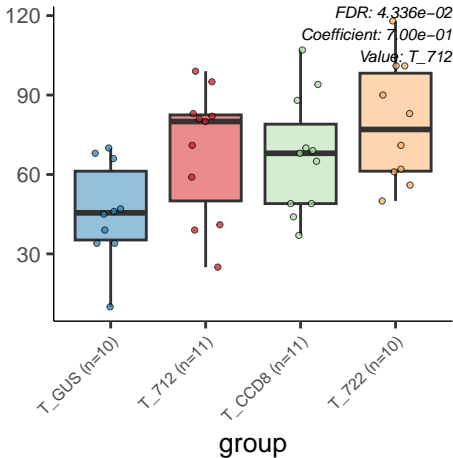
group



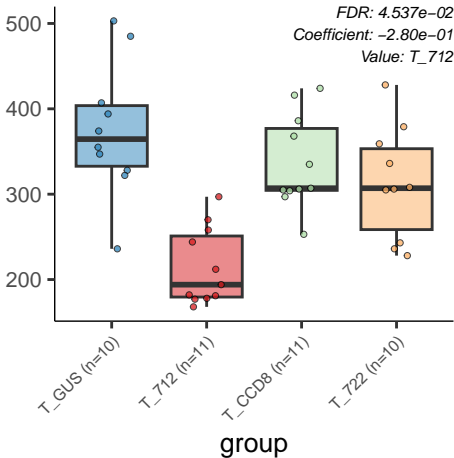
CBM61.hmm



PL5\_1.hmm



GH75.hmm

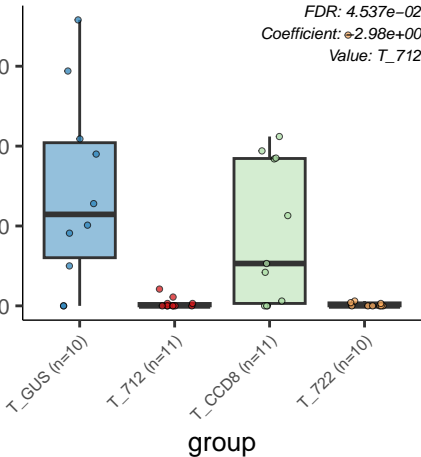


PL1\_3.hmm

FDR: 4.537e-02

Coefficient: 2.98e+00

Value: T\_712



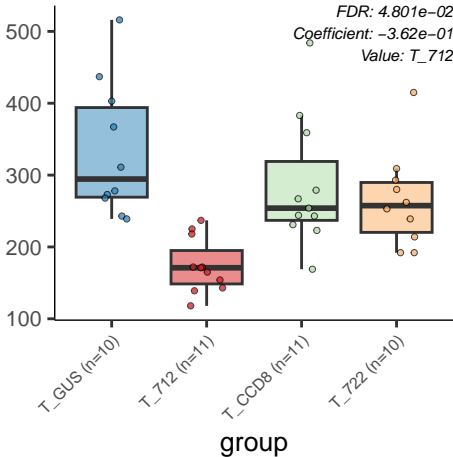


CBM63.hmm

FDR: 4.801e-02

Coefficient: -3.62e-01

Value: T\_712

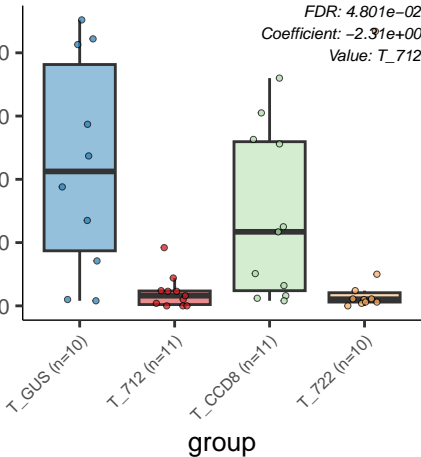


GH45.hmm

FDR: 4.801e-02

Coefficient: -2.31e+00

Value: T\_712



GH5\_35.hmm

FDR:  $4.810e-02$   
Coefficient:  $1.02e+00$   
Value: T\_CCD8

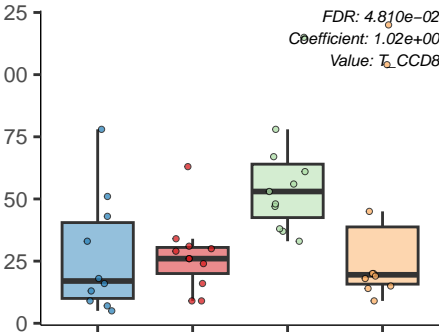
T\_GUS (n=10)

T\_712 (n=11)

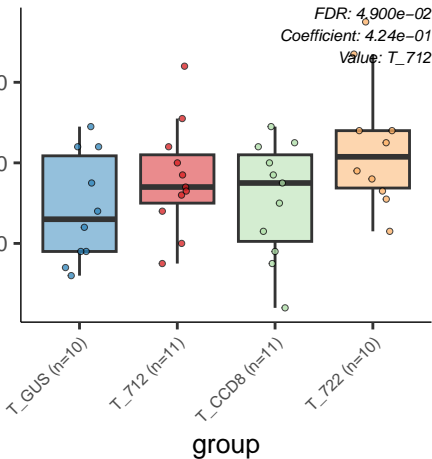
T\_CCD8 (n=11)

T\_722 (n=10)

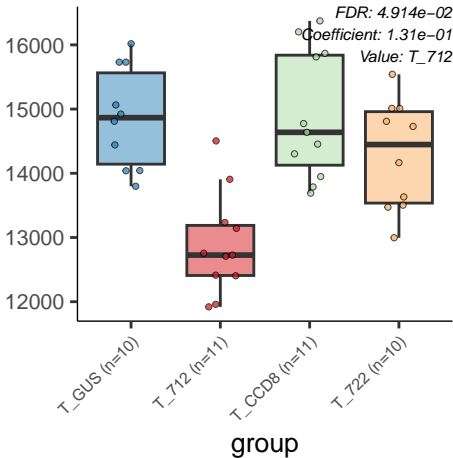
group



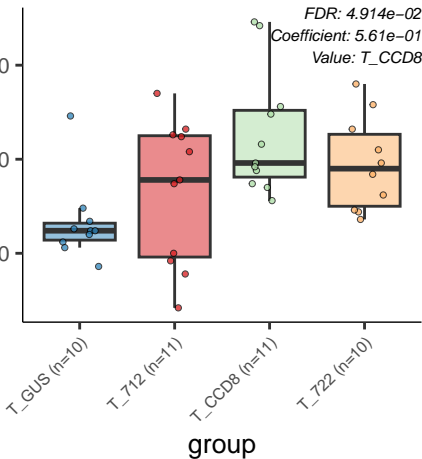
GH43\_31.hmm



GH20.hmm



PL1\_7.hmm



CBM55.hmm

FDR: 4.991e-02  
Coefficient: 5.26e-01  
Value: T\_712

T\_GUS (n=10)

T\_712 (n=11)

T\_CCD8 (n=11)

T\_722 (n=10)

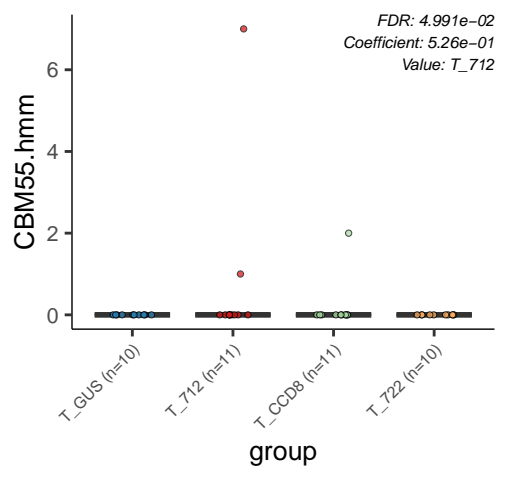
group

6

4

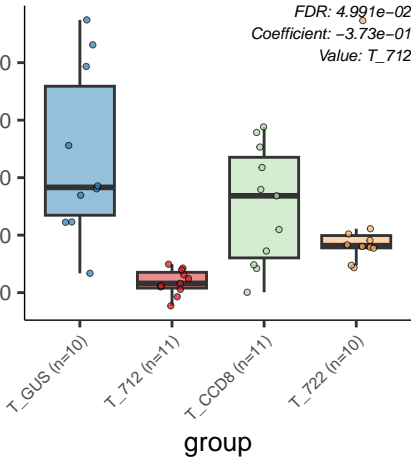
2

0



GH44.hmm

FDR:  $4.991e-02$   
Coefficient:  $-3.73e-01$   
Value:  $T\_712$





PL8\_1.hmm

8  
6  
4  
2  
0

*FDR: 4.991e-02*  
*Coefficient: 4.74e-01*  
*Value: T\_712*

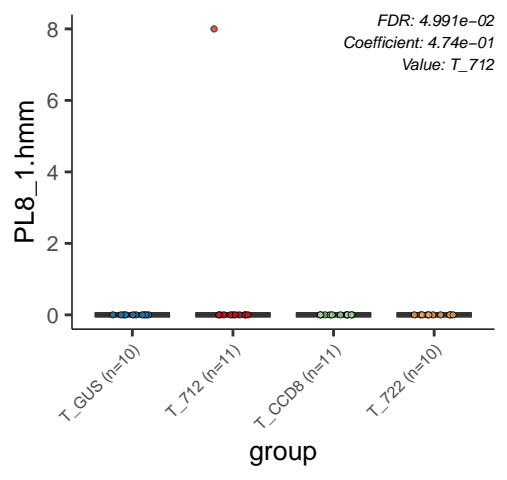
T\_GUS (n=10)

T\_712 (n=11)

T\_CCD8 (n=11)

T\_722 (n=10)

group



GH121.hmm

FDR:  $5.075e-02$

Coefficient:  $-3.28e-01$

Value: T\_712

3000

2000

1000

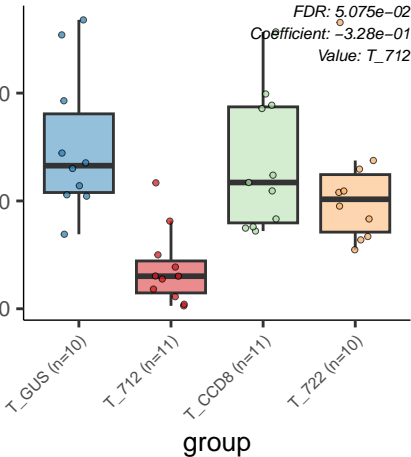
T\_GUS (n=10)

T\_712 (n=11)

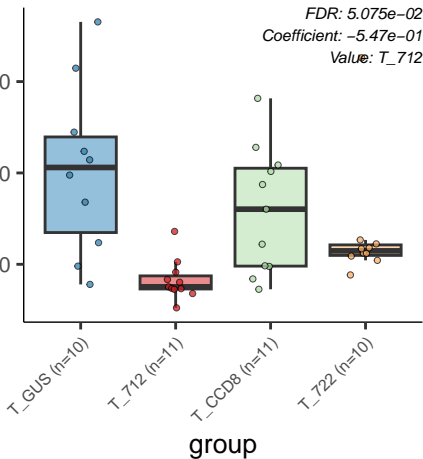
T\_CCD8 (n=11)

T\_722 (n=10)

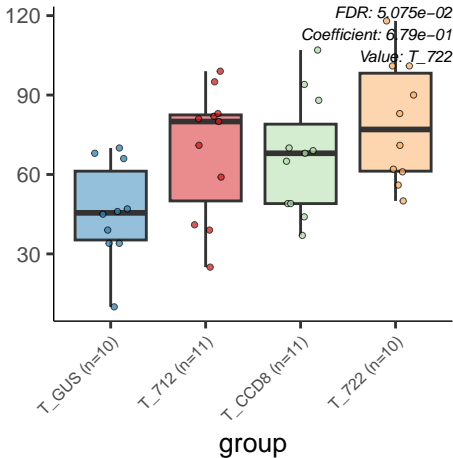
group



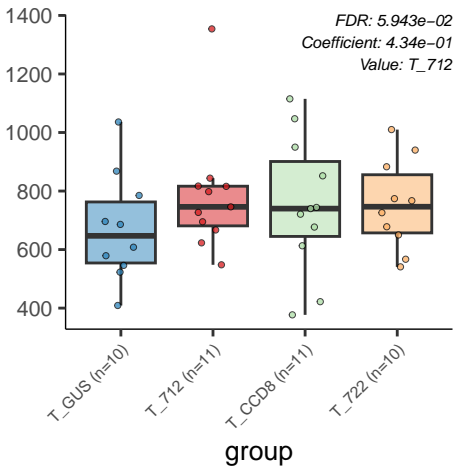
GH143.hmm



PL5\_1.hmm



GH13\_4.hmm

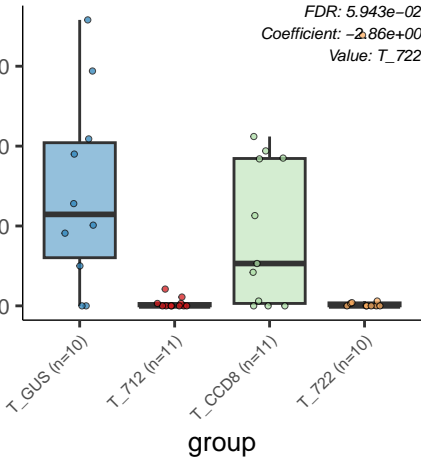


PL1\_3.hmm

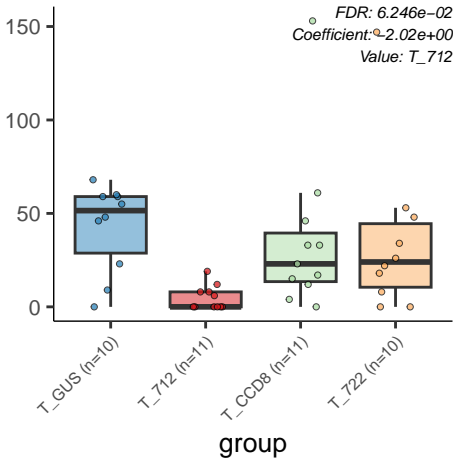
FDR: 5.943e-02

Coefficient: -2.86e+00

Value: T\_722



PL21\_1.hmm



GH5\_21.hmm

FDR: 6.618e-02  
Coefficient: 1.24e+00  
Value: T\_712

T\_GUS (n=10)

T\_712 (n=11)

T\_CCD8 (n=11)

T\_722 (n=10)

group

15

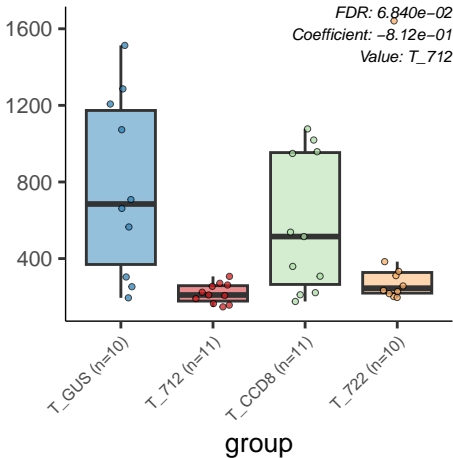
10

5

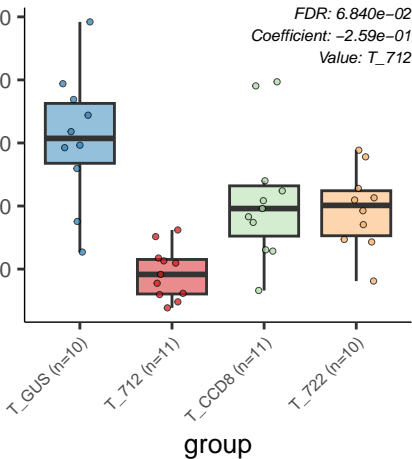
0

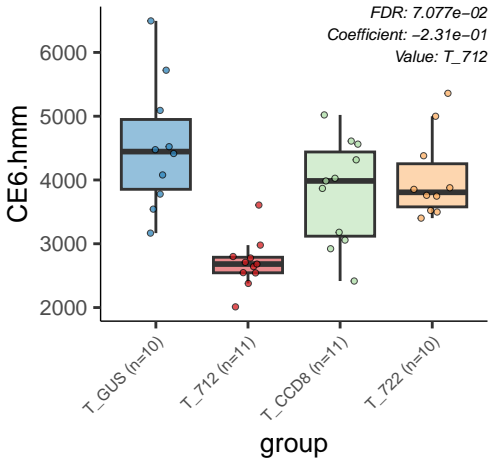


GH81.hmm

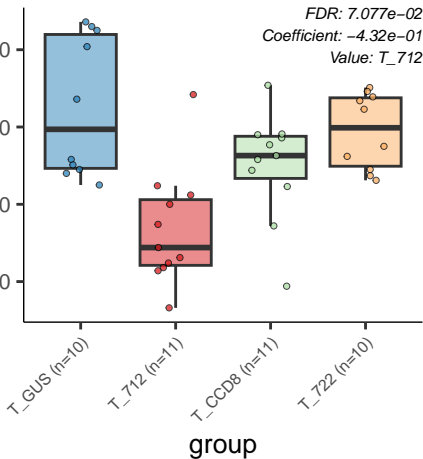


GT46.hmm





GH43\_8.hmm

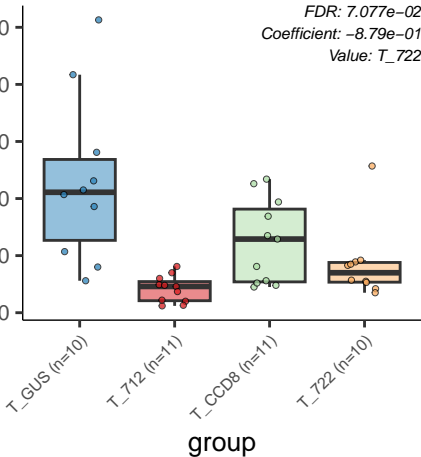


PL10\_2.hmm

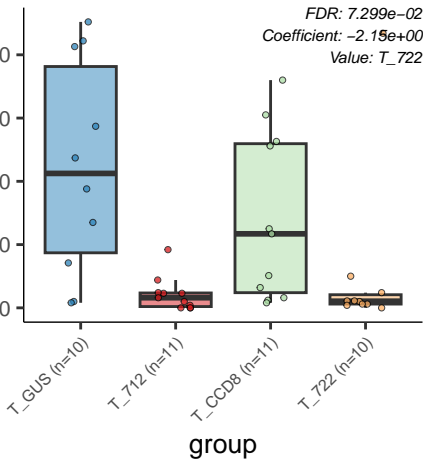
FDR:  $7.077\text{e-}02$

Coefficient:  $-8.79\text{e-}01$

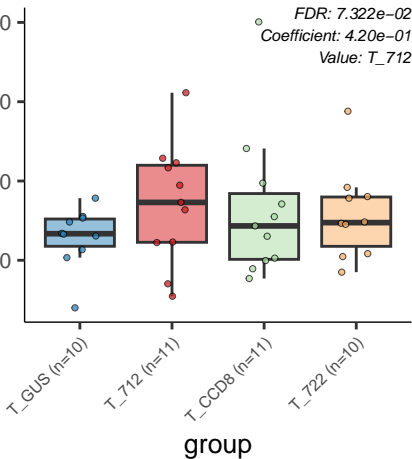
Value:  $T\_722$



GH45.hmm



GH13\_21.hmm



GH5\_13.hmm

FDR: 7.322e-02

Coefficient: 2.42e-01

Value: T\_712

2400

2000

1600

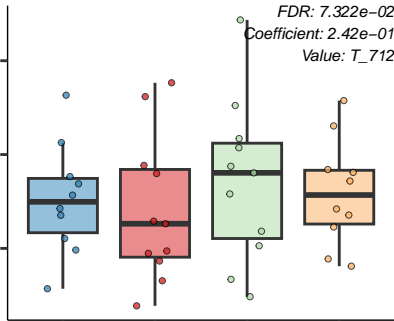
T\_GUS (n=10)

T\_712 (n=11)

T\_CCD8 (n=11)

T\_722 (n=10)

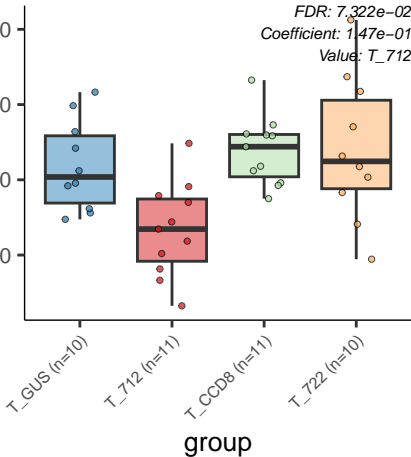
group





GT25.hmm

FDR: 7.322e-02  
Coefficient: 1.47e-01  
Value: T\_712



CBM78.hmm

*FDR: 7.908e-02*  
*Coefficient: 4.63e-01*  
*Value: T\_712*

T\_GUS (n=10)

T\_712 (n=11)

T\_CCD8 (n=11)

T\_722 (n=10)

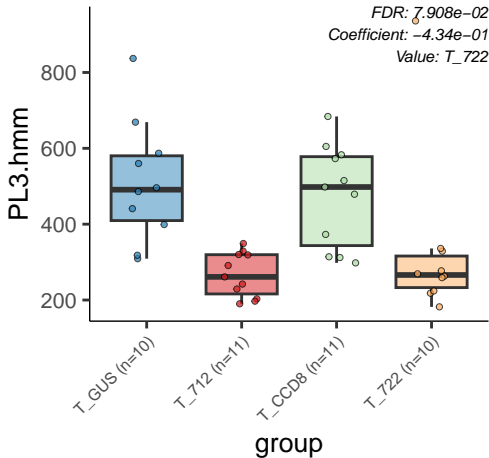
group

6

4

2

0



GH13\_2.hmm

1000  
800  
600

T\_GUS (n=10)

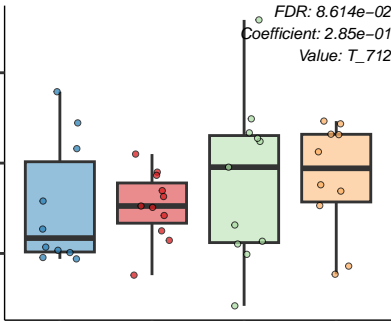
T\_712 (n=11)

T\_CCD8 (n=11)

T\_722 (n=10)

group

FDR: 8.614e-02  
Coefficient: 2.85e-01  
Value: T\_712

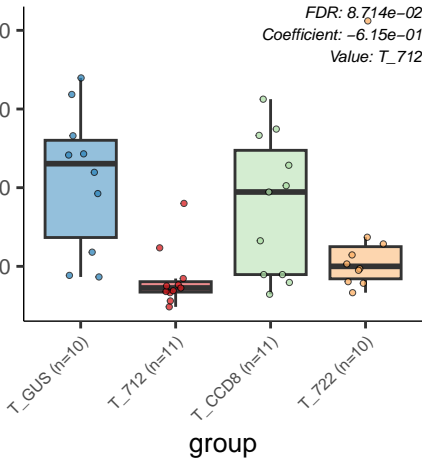


GH5\_2.hmm

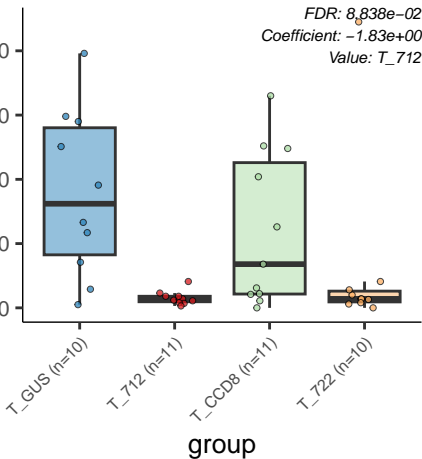
FDR:  $8.714e-02$

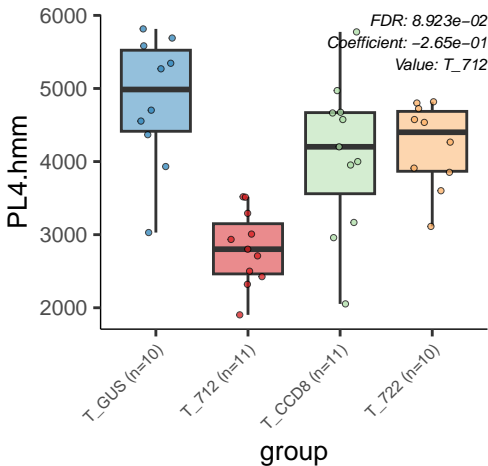
Coefficient:  $-6.15e-01$

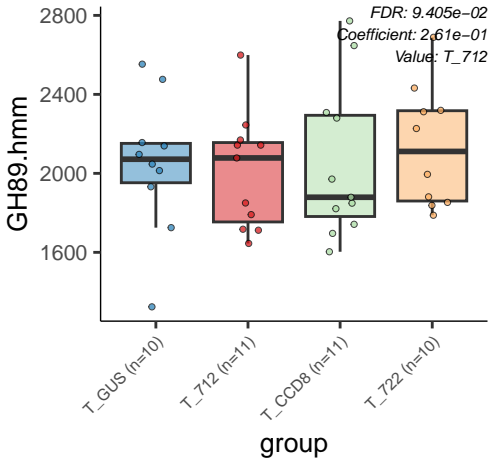
Value:  $T_{712}$



PL1\_4.hmm







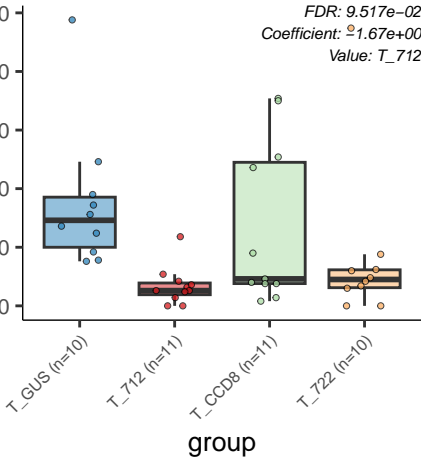


CBM59.hmm

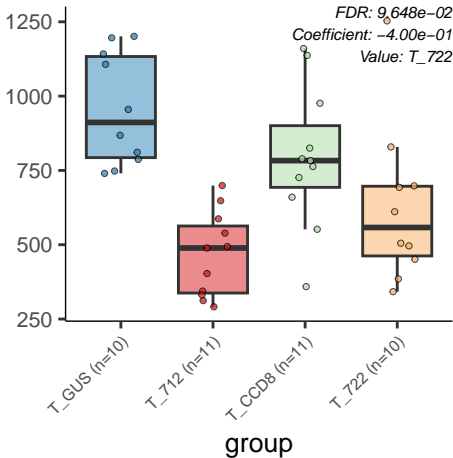
FDR:  $9.517e-02$

Coefficient:  $-1.67e+00$

Value:  $T_{712}$



CBM61.hmm



GH109.hmm

FDR:  $9.648e-02$

Coefficient:  $-9.64e-02$

Value:  $T_{712}$

70000

60000

50000

40000

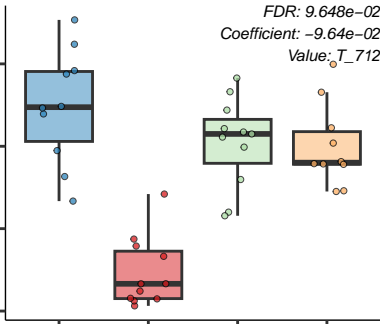
T\_GUS (n=10)

T\_712 (n=11)

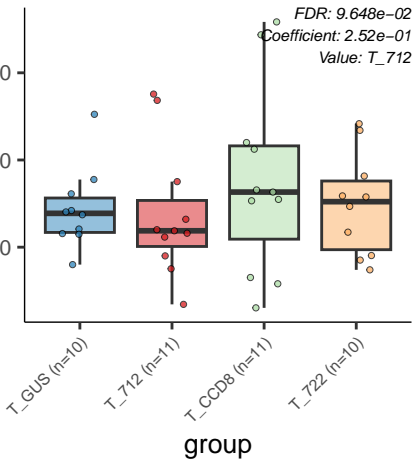
T\_CCD8 (n=11)

T\_722 (n=10)

group



GH43\_9.hmm



CBM23.hmm

FDR:  $9.741e-02$

Coefficient:  $-8.77e-01$

Value:  $T_{722}$

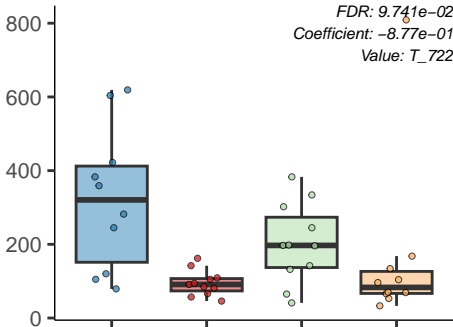
T\_GUS (n=10)

T\_712 (n=11)

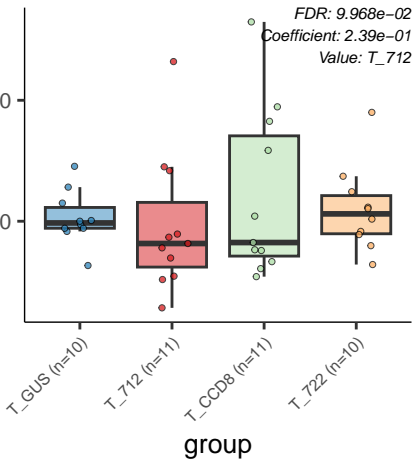
T\_CCD8 (n=11)

T\_722 (n=10)

group



GH13\_36.hmm

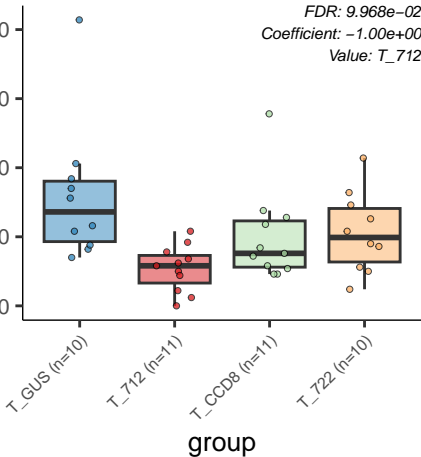


GT33.hmm

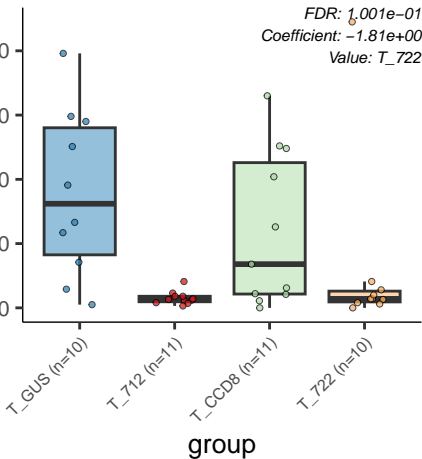
FDR:  $9.968e-02$

Coefficient:  $-1.00e+00$

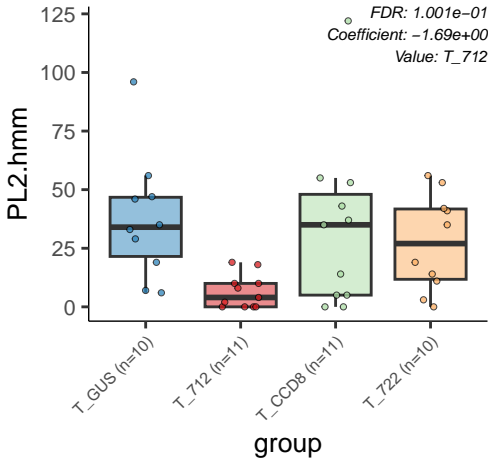
Value:  $T_{712}$



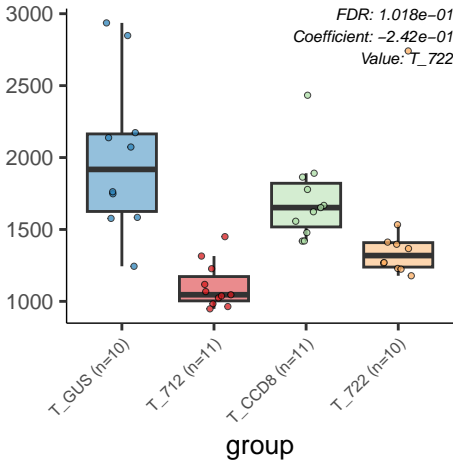
PL1\_4.hmm







GH145.hmm



PL1.hmm

FDR: 1.051e-01  
Coefficient: -5.19e-01  
Value: T\_722

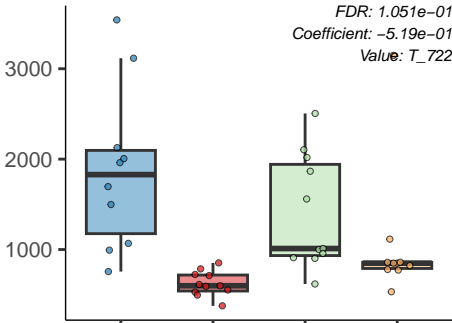
T\_GUS (n=10)

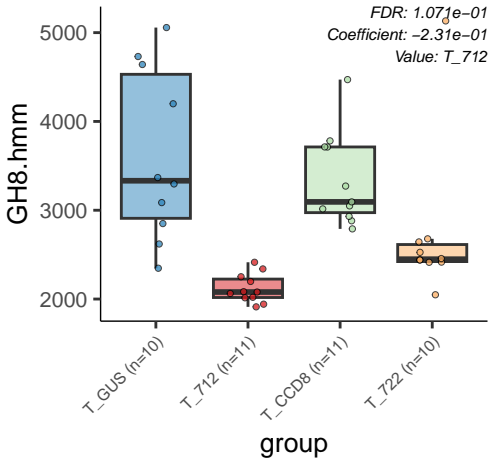
T\_712 (n=11)

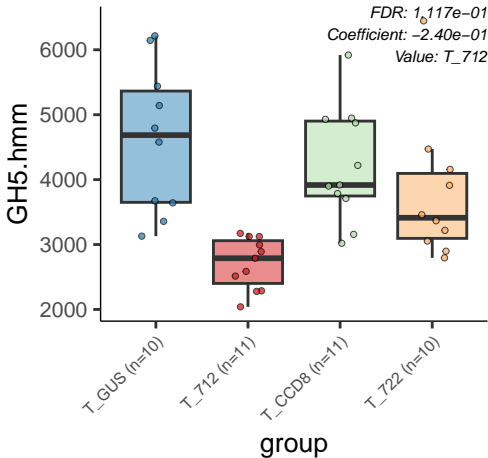
T\_CCD8 (n=11)

T\_722 (n=10)

group







CBM4.hmm

20000  
15000  
10000  
5000

T\_GUS (n=10)

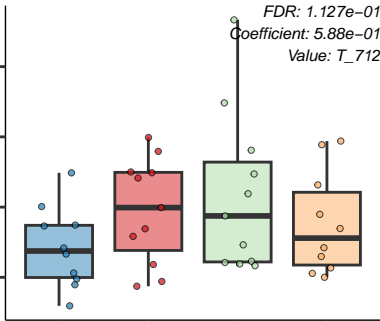
T\_712 (n=11)

T\_CCD8 (n=11)

T\_722 (n=10)

group

FDR: 1.127e-01  
Coefficient: 5.88e-01  
Value: T\_712



CBM77.hmm

FDR: 1.127e-01  
Coefficient: 1.28e+00  
Value: T\_712

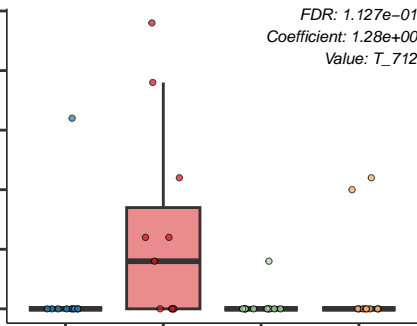
T\_GUS (n=10)

T\_712 (n=11)

T\_CCD8 (n=11)

T\_722 (n=10)

group

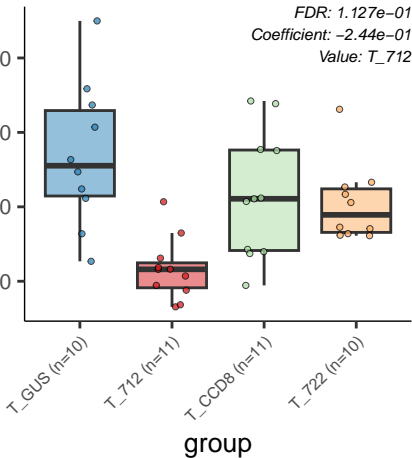


GH138.hmm

FDR: 1.127e-01

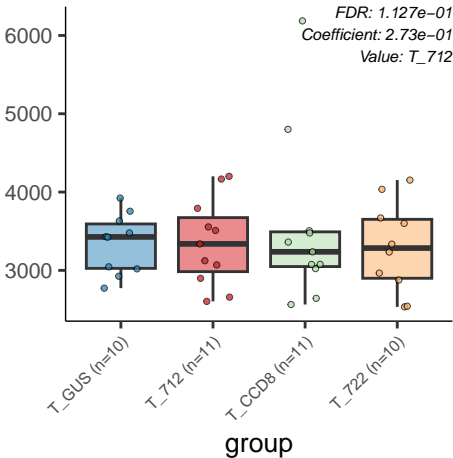
Coefficient: -2.44e-01

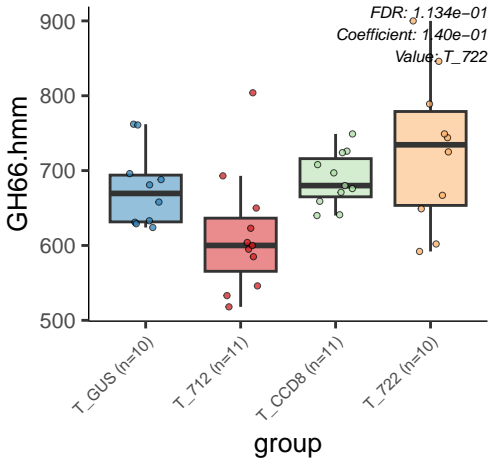
Value: T\_712



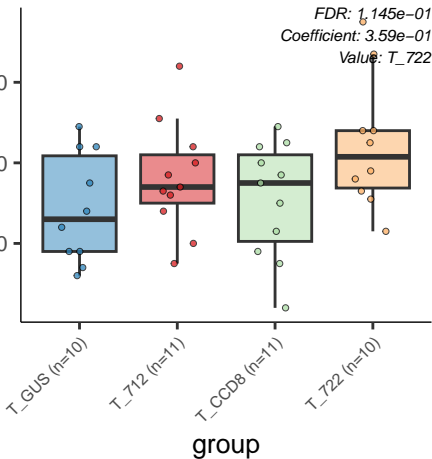


GH24.hmm



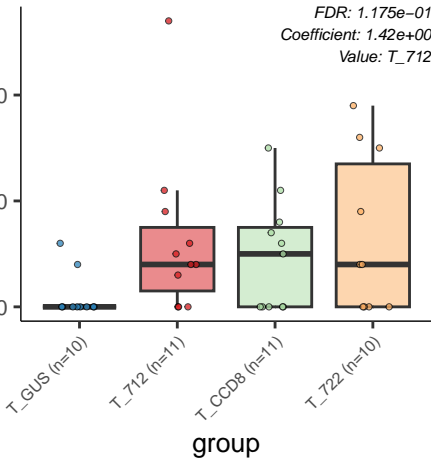


GH43\_31.hmm



GH5\_15.hmm

FDR: 1.175e-01  
Coefficient: 1.42e+00  
Value: T\_712

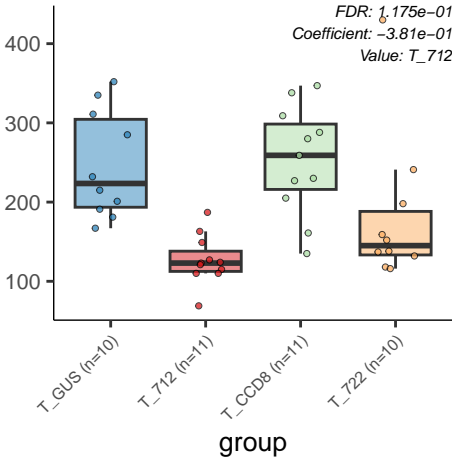


PL7\_4.hmm

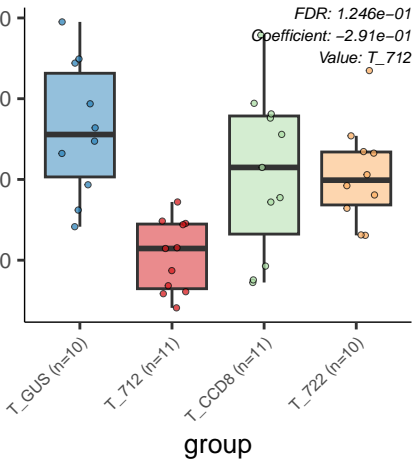
FDR:  $1.175e-01$

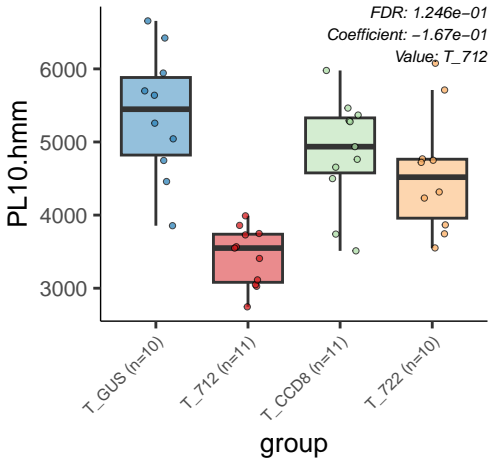
Coefficient:  $-3.81e-01$

Value:  $T_{712}$



GH140.hmm



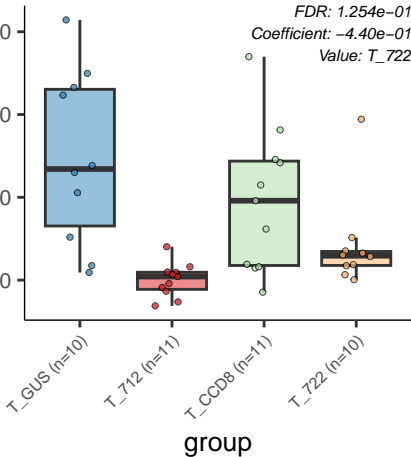


PL22\_2.hmm

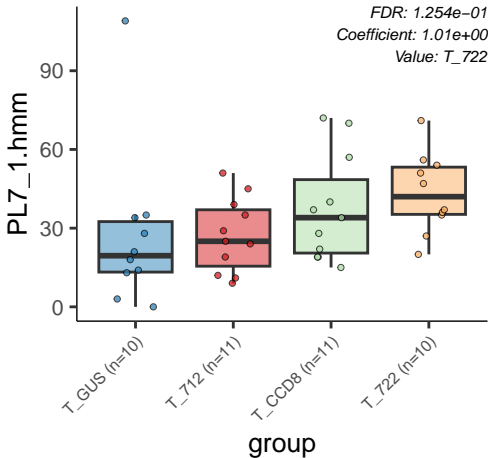
FDR: 1.254e-01

Coefficient:  $-4.40e-01$

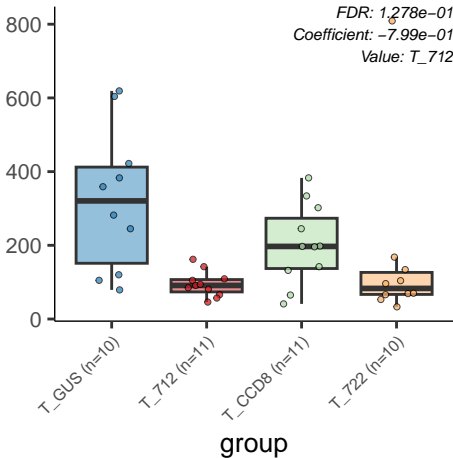
Value: T\_722



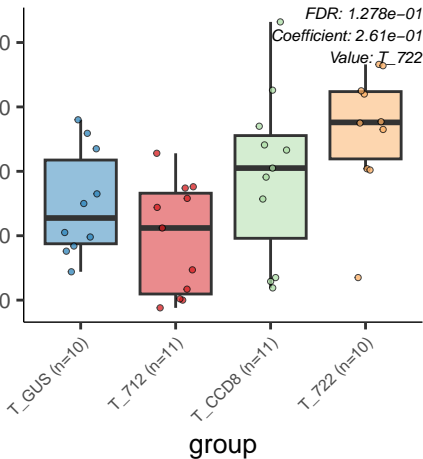


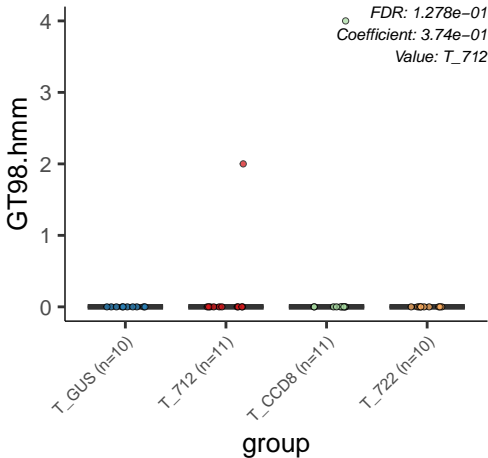


CBM23.hmm

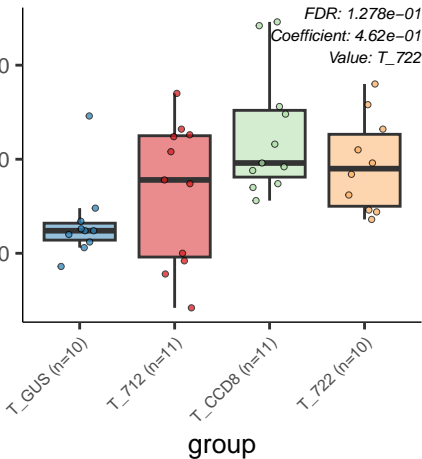


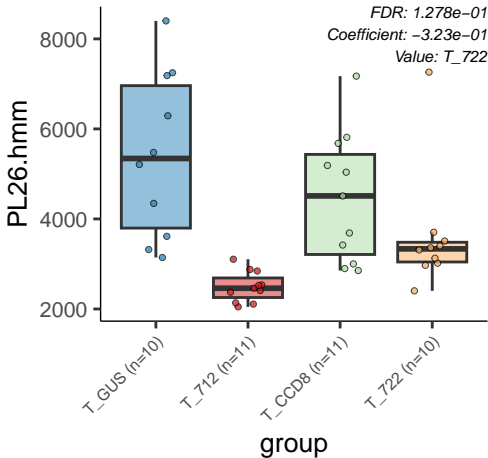
GH30\_5.hmm





PL1\_7.hmm



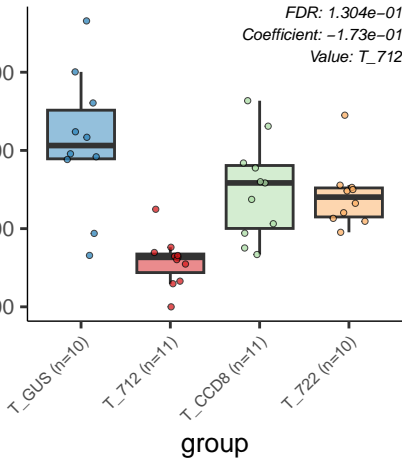


GH106.hmm

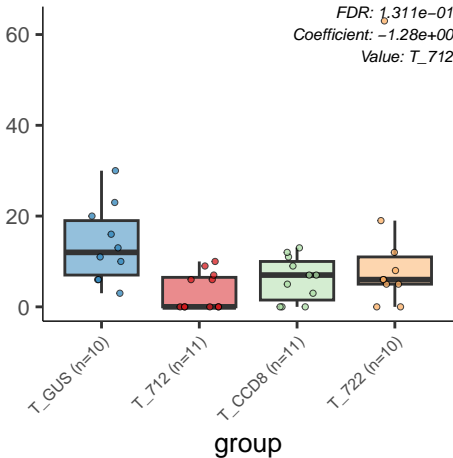
FDR: 1.304e-01

Coefficient: -1.73e-01

Value: T\_712



PL17\_2.hmm





PL9\_3.hmm

FDR: 1.327e-01  
Coefficient: 2.81e-01  
Value: T\_712

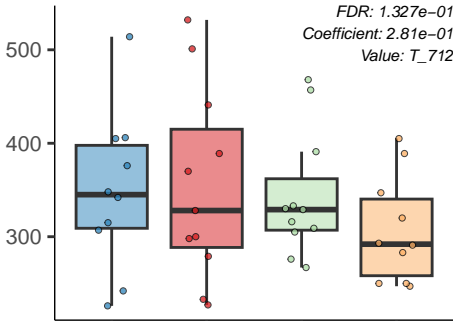
T\_GUS (n=10)

T\_712 (n=11)

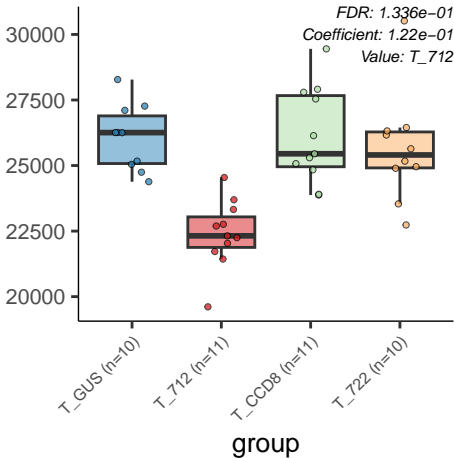
T\_CCD8 (n=11)

T\_722 (n=10)

group



AA3\_1.hmm



GH53.hmm

5000

4000

3000

T\_GUS (n=10)

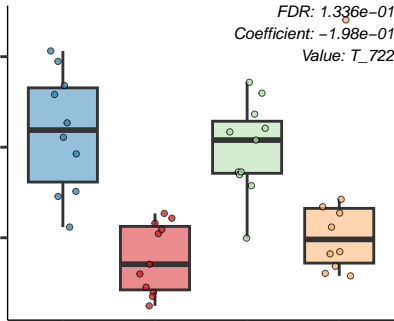
T\_712 (n=11)

T\_CCD8 (n=11)

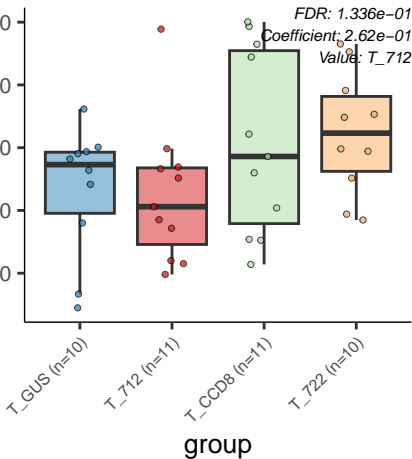
T\_722 (n=10)

group

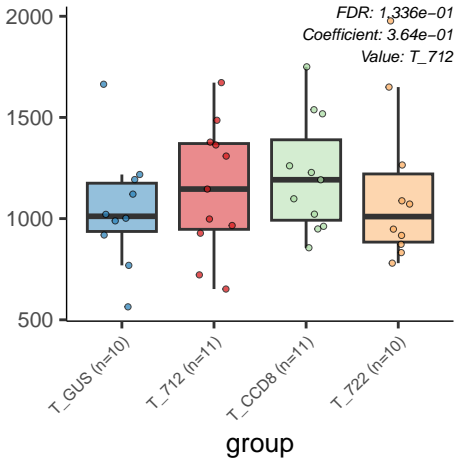
FDR:  $1.336e-01$   
Coefficient:  $-1.98e-01$   
Value: T\_722

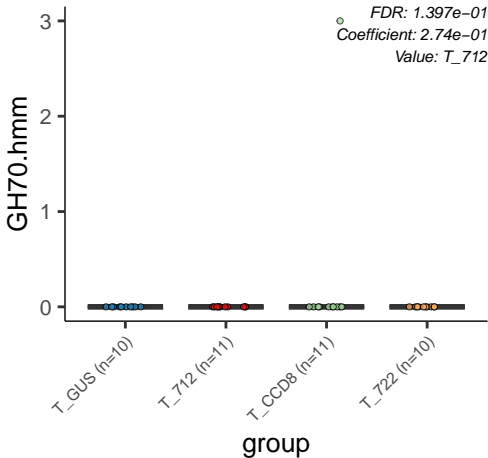


GT104.hmm



PL9\_4.hmm





CE12.hmm

12000

9000

6000

T\_GUS (n=10)

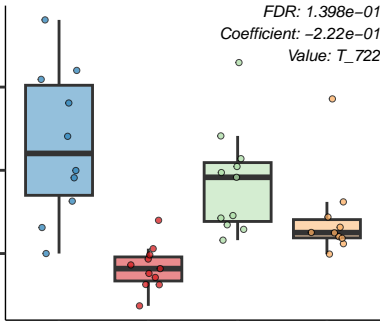
T\_712 (n=11)

T\_CCD8 (n=11)

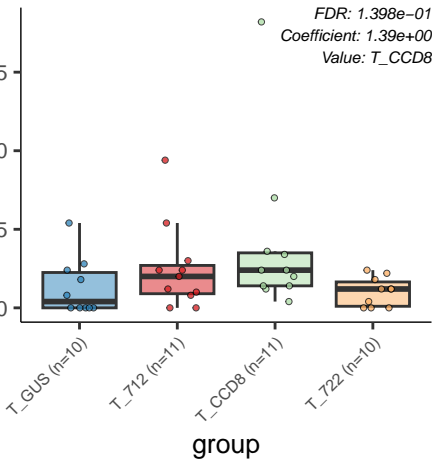
T\_722 (n=10)

group

FDR: 1.398e-01  
Coefficient: -2.22e-01  
Value: T\_722

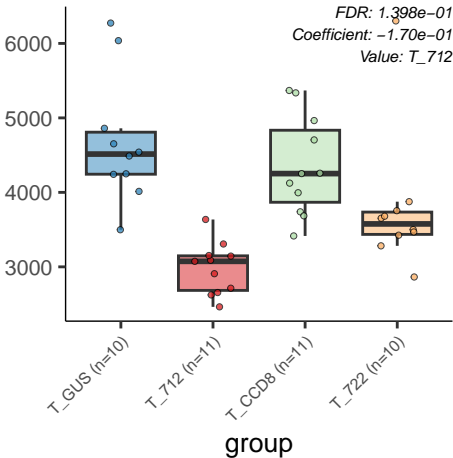


GH131.hmm





GH26.hmm



GH43\_16.hmm

*FDR: 1.398e-01*  
*Coefficient: 5.37e-01*  
*Value: T\_712*

T\_GUS (n=10)

T\_712 (n=11)

T\_CCD8 (n=11)

T\_722 (n=10)

group

15

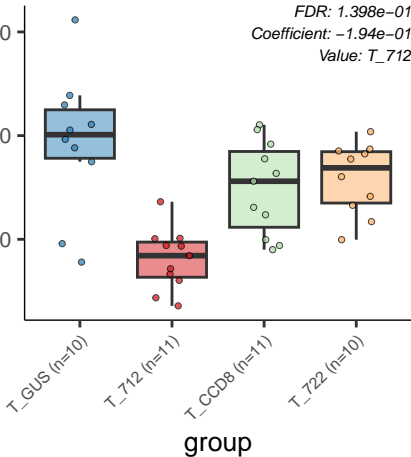
10

5

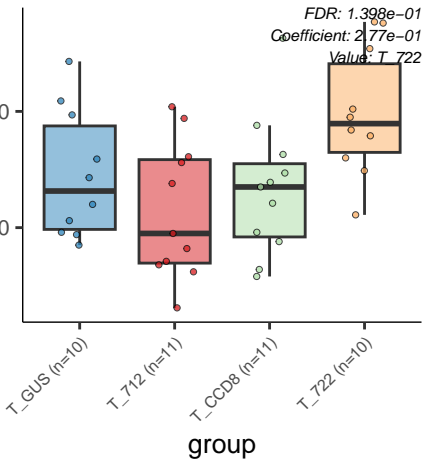
0

GH43\_18.hmm

FDR: 1.398e-01  
Coefficient: -1.94e-01  
Value: T\_712



GH5\_24.hmm



GT67.hmm

FDR: 1.398e-01  
Coefficient: 2.74e-01  
Value: T\_712

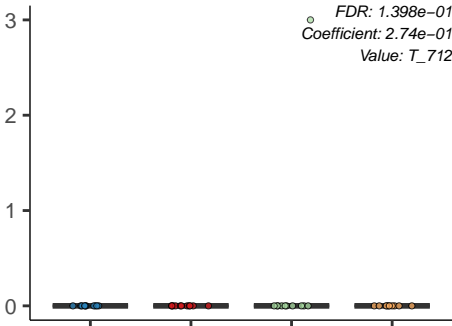
T\_GUS (n=10)

T\_712 (n=11)

T\_CCD8 (n=11)

T\_722 (n=10)

group



GT78.hmm

*FDR: 1.398e-01*  
*Coefficient: 5.26e-01*  
*Value: T\_712*

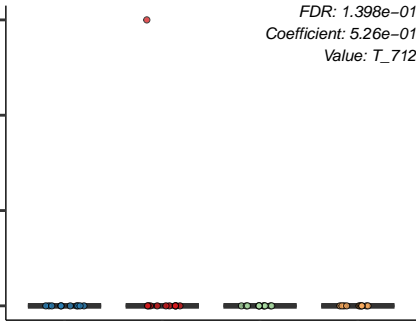
T\_GUS (n=10)

T\_712 (n=11)

T\_CCD8 (n=11)

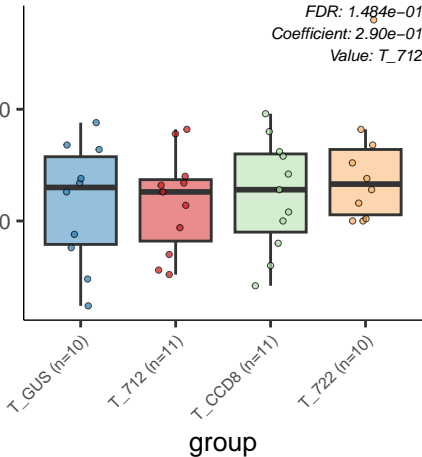
T\_722 (n=10)

group



GH30\_2.hmm

FDR: 1.484e-01  
Coefficient: 2.90e-01  
Value: T\_712



GH5\_16.hmm

FDR: 1.484e-01  
Coefficient: 1.36e+00  
Value: T\_722

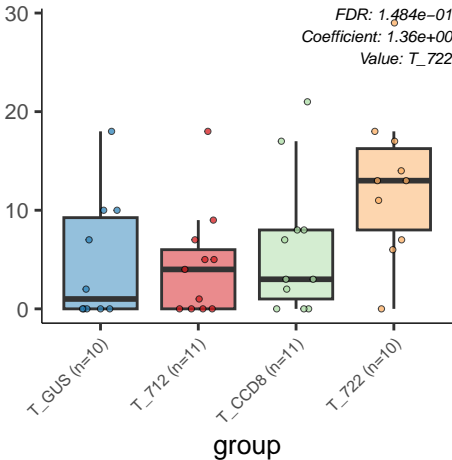
T\_GUS (n=10)

T\_712 (n=11)

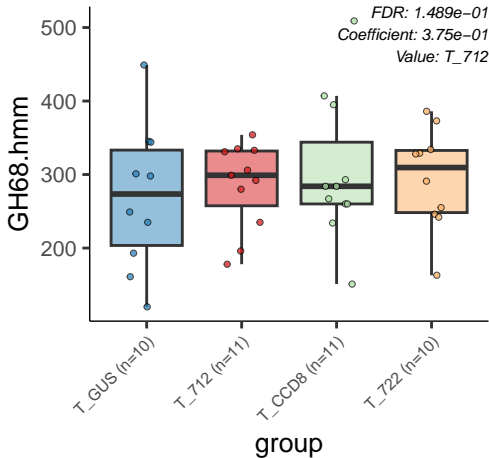
T\_CCD8 (n=11)

T\_722 (n=10)

group







CBM9.hmm

FDR: 1.508e-01

Coefficient: -1.93e-01

Value: T\_712

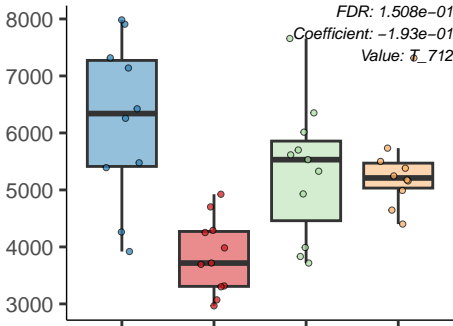
T\_GUS (n=10)

T\_712 (n=11)

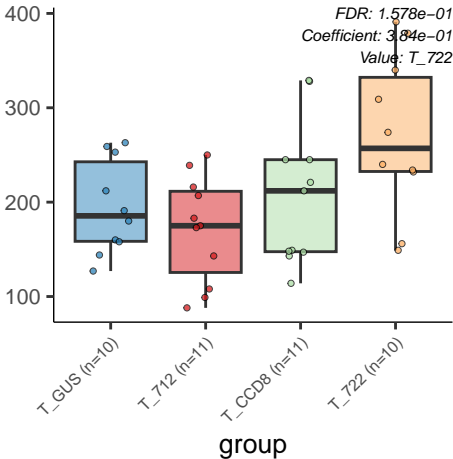
T\_CCD8 (n=11)

T\_722 (n=10)

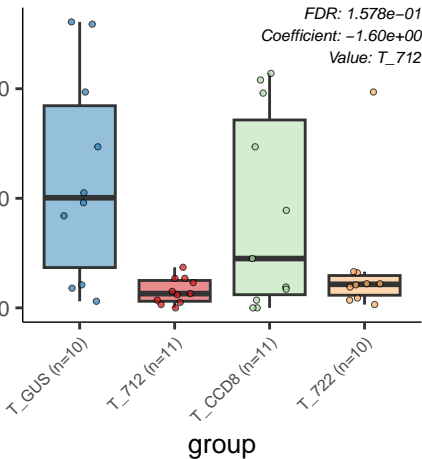
group

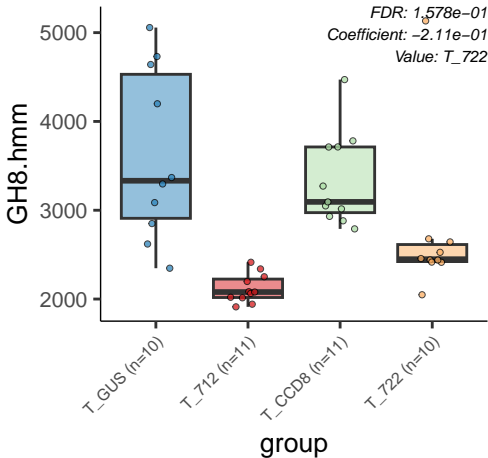


GH30\_7.hmm



GH5\_10.hmm





GT29.hmm

FDR: 1.597e-01

Coefficient: -1.03e+00

Value: T\_712

T\_GUS (n=10)

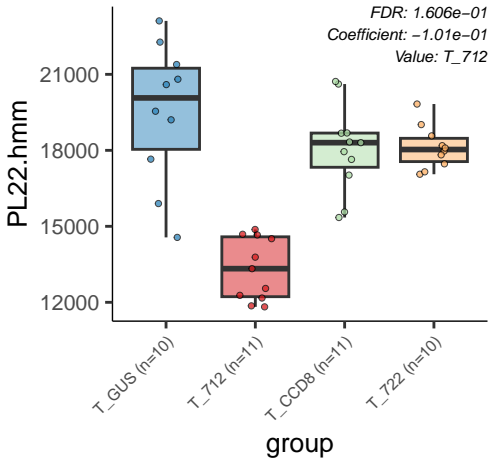
T\_712 (n=11)

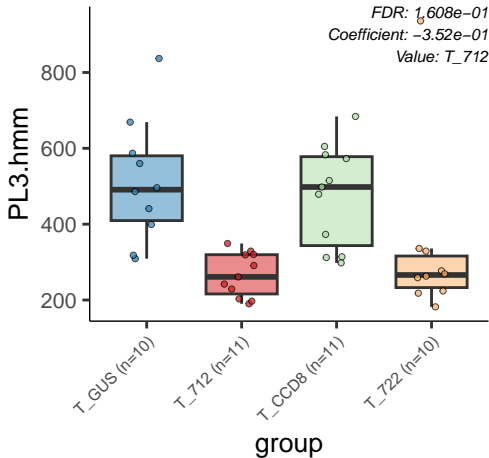
T\_CCD8 (n=11)

T\_722 (n=10)

group

75  
50  
25  
0







GT75.hmm

FDR: 1.643e-01  
Coefficient: 3.28e-01  
Value: T\_CCD8

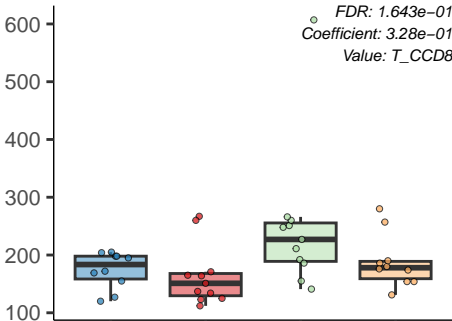
T\_GUS (n=10)

T\_712 (n=11)

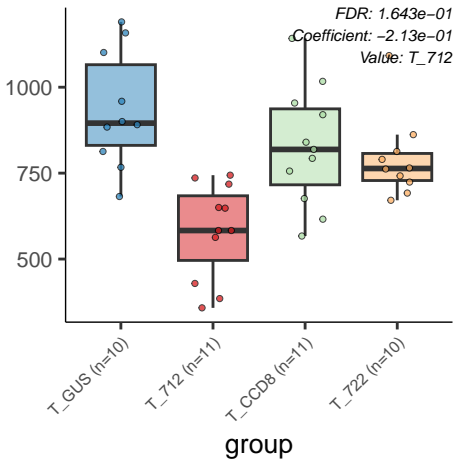
T\_CCD8 (n=11)

T\_722 (n=10)

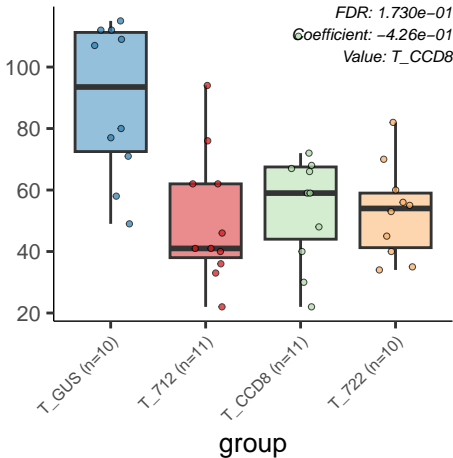
group



GT94.hmm



PL7.hmm



CBM59.hmm

FDR: 1.754e-01  
Coefficient: -1.44e+00  
Value: T\_722

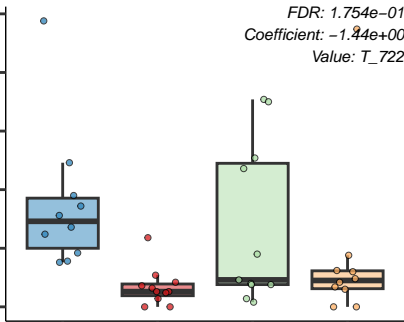
T\_GUS (n=10)

T\_712 (n=11)

T\_CCD8 (n=11)

T\_722 (n=10)

group



GT15.hmm

FDR: 1.754e-01  
Coefficient: 5.23e-01  
Value: T\_712

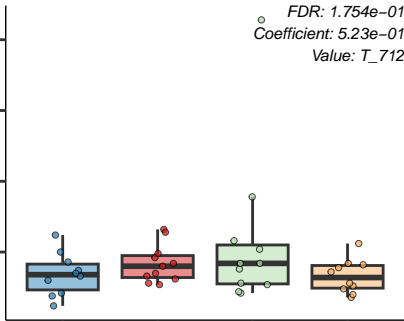
T\_GUS (n=10)

T\_712 (n=11)

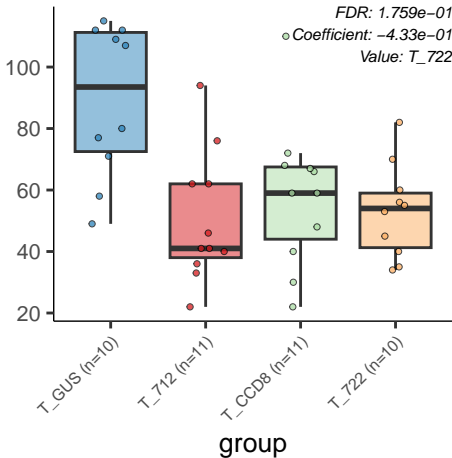
T\_CCD8 (n=11)

T\_722 (n=10)

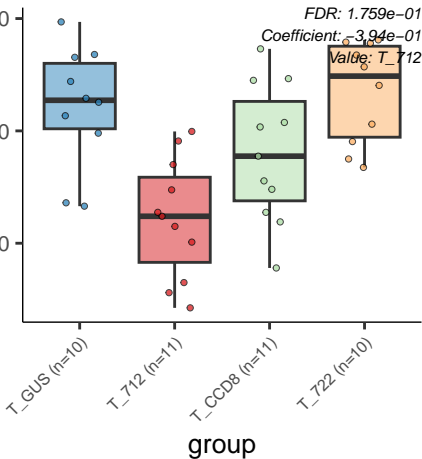
group



PL7.hmm



dockerin.hmm



GH135.hmm

FDR: 1.793e-01

Coefficient: 3.06e-01

Value: T\_712

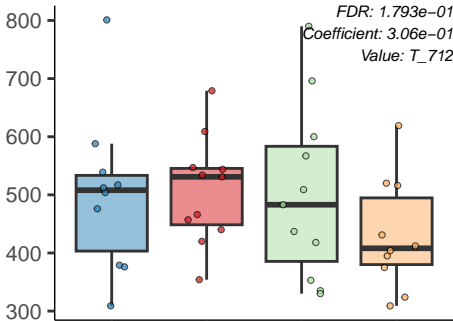
T\_GUS (n=10)

T\_712 (n=11)

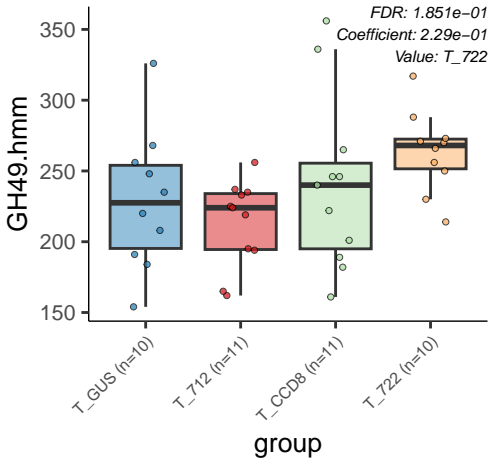
T\_CCD8 (n=11)

T\_722 (n=10)

group







GT57.hmm

FDR: 1.876e-01  
Coefficient: 5.31e-01  
Value: T\_CCD8

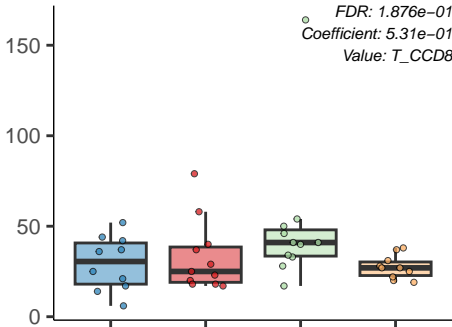
T\_GUS (n=10)

T\_712 (n=11)

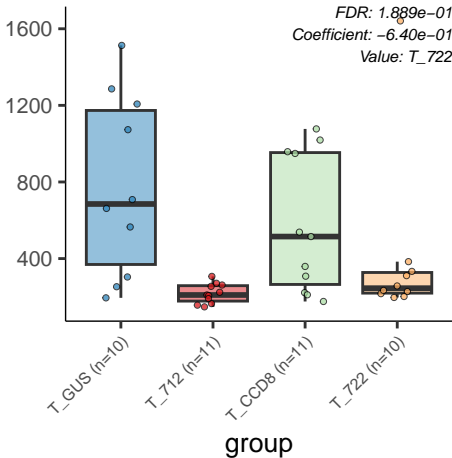
T\_CCD8 (n=11)

T\_722 (n=10)

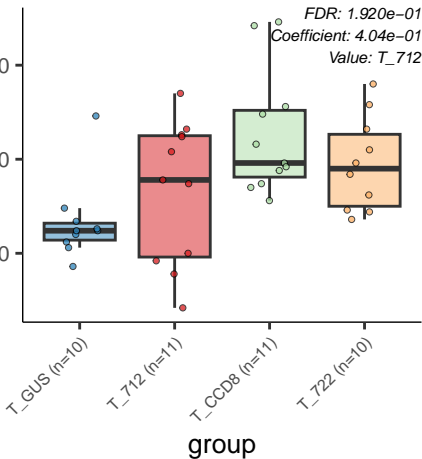
group



GH81.hmm



PL1\_7.hmm



CBM31.hmm

FDR: 1.935e-01

Coefficient: -1.71e+00

Value: T\_712

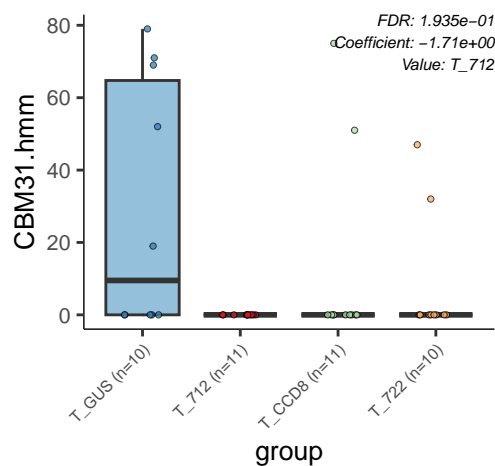
T\_GUS (n=10)

T\_712 (n=11)

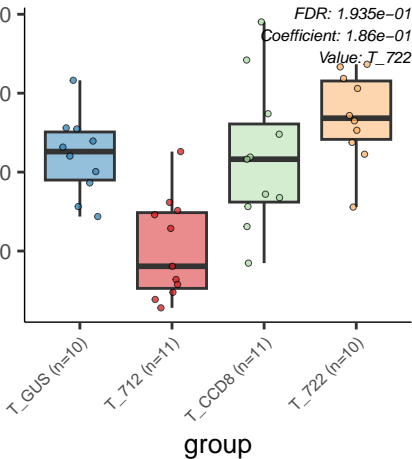
T\_CCD8 (n=11)

T\_722 (n=10)

group

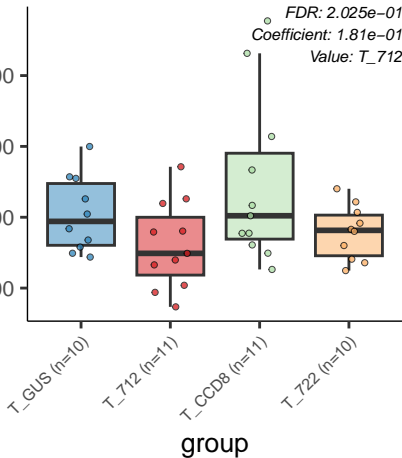


CBM38.hmm



CBM50.hmm

FDR: 2.025e-01  
Coefficient: 1.81e-01  
Value: T\_712



GH14.hmm

*FDR: 2.025e-01*  
*Coefficient: 1.18e+00*  
*Value: T\_712*

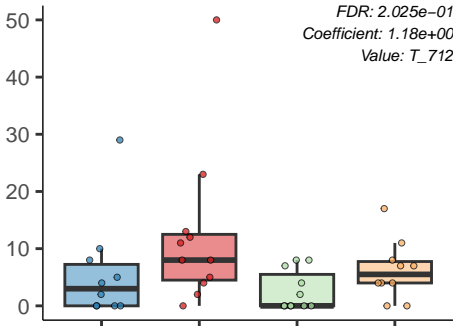
T\_GUS (n=10)

T\_712 (n=11)

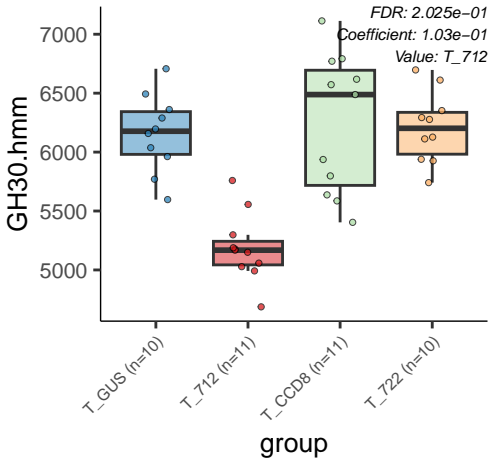
T\_CCD8 (n=11)

T\_722 (n=10)

group

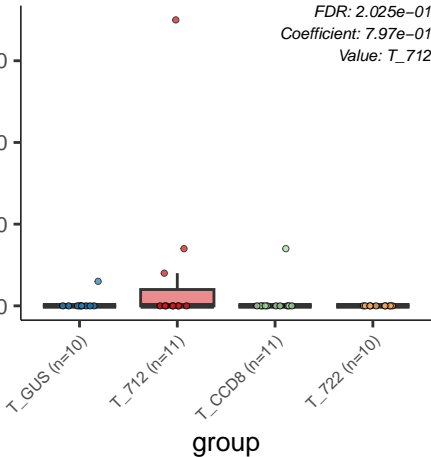


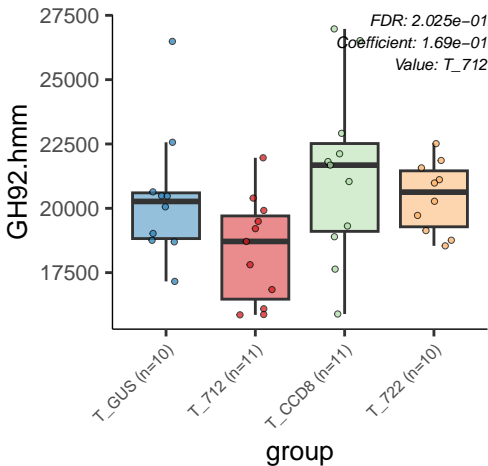




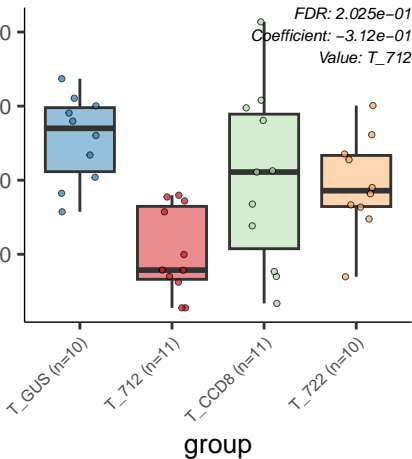
GH86.hmm

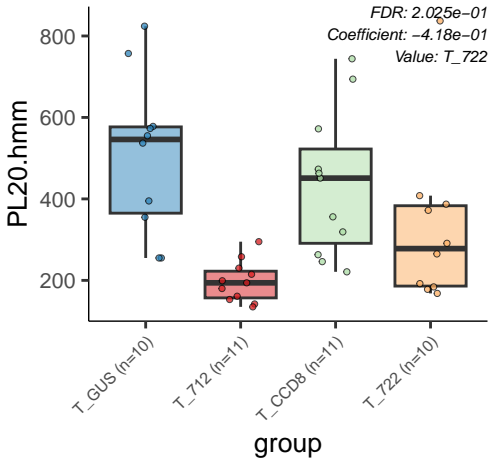
*FDR: 2.025e-01*  
*Coefficient: 7.97e-01*  
*Value: T\_712*





GT66.hmm



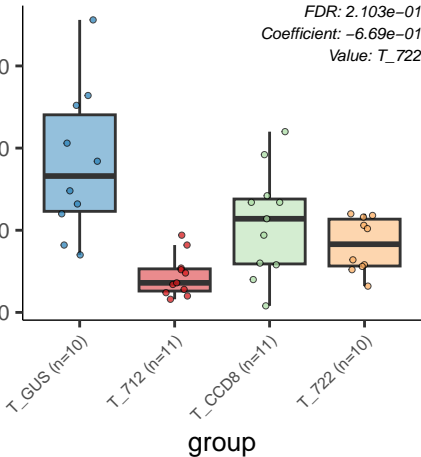


GH107.hmm

FDR: 2.103e-01

Coefficient: -6.69e-01

Value: T\_722

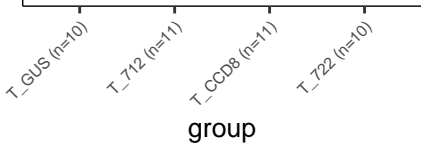


GH43\_7.hmm

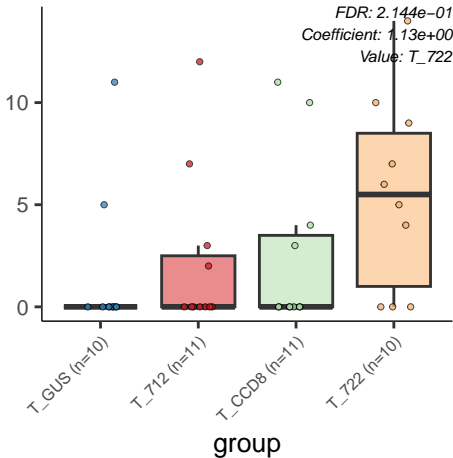
FDR: 2.103e-01

Coefficient: -5.21e-01

Value: T\_712



GH5\_23.hmm





CBM49.hmm

FDR: 2.173e-01  
Coefficient: 7.44e-01  
Value: T\_712

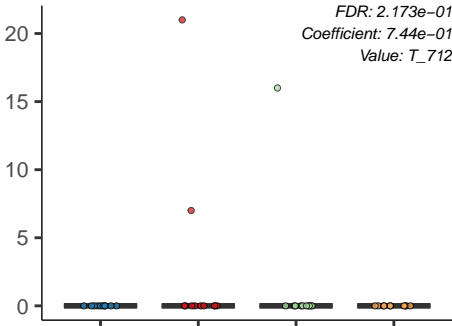
T\_GUS (n=10)

T\_712 (n=11)

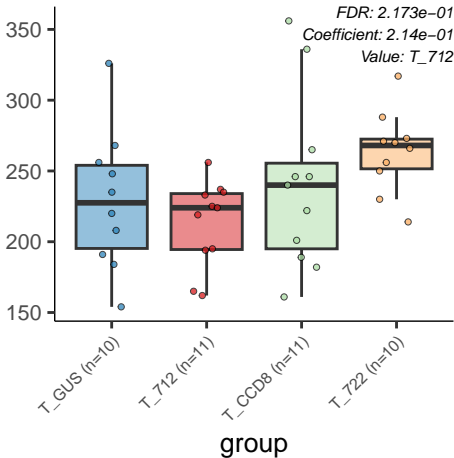
T\_CCD8 (n=11)

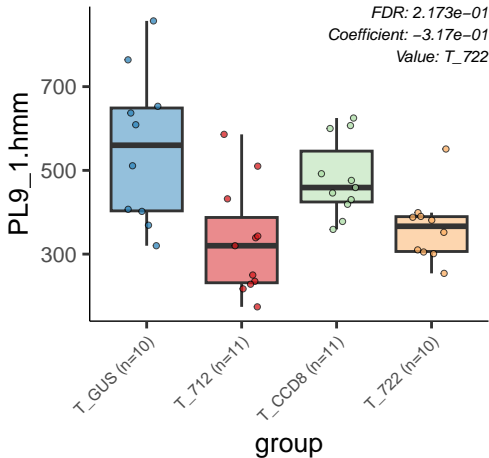
T\_722 (n=10)

group



GH49.hmm



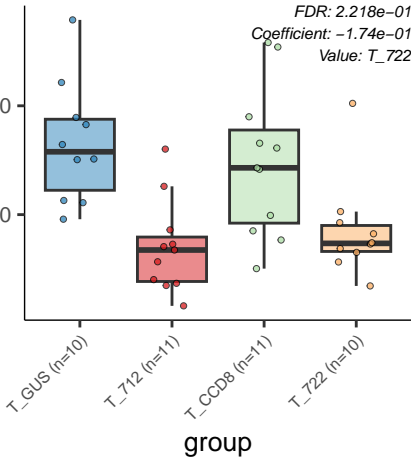


GH19.hmm

FDR: 2.218e-01

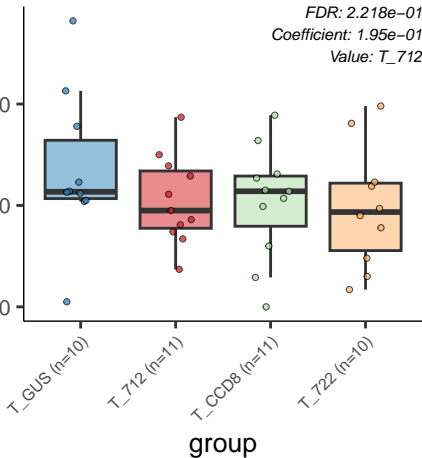
Coefficient: -1.74e-01

Value: T\_722

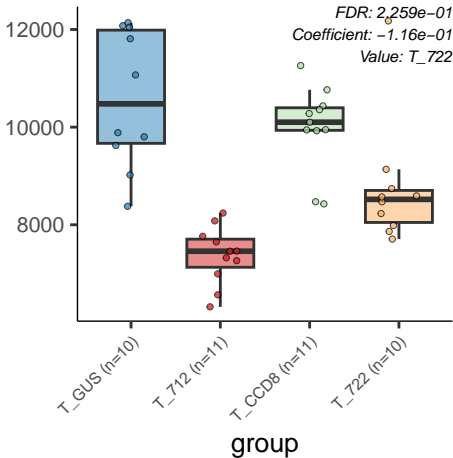


GH30\_4.hmm

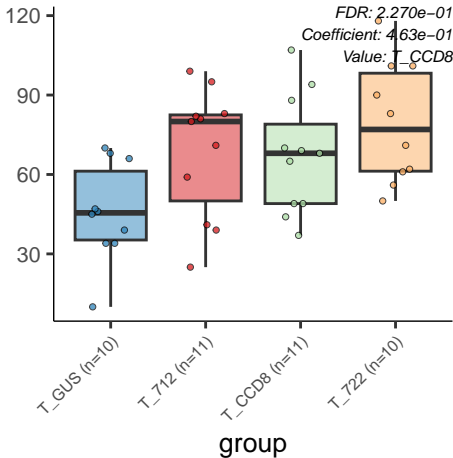
FDR: 2.218e-01  
Coefficient: 1.95e-01  
Value: T\_712

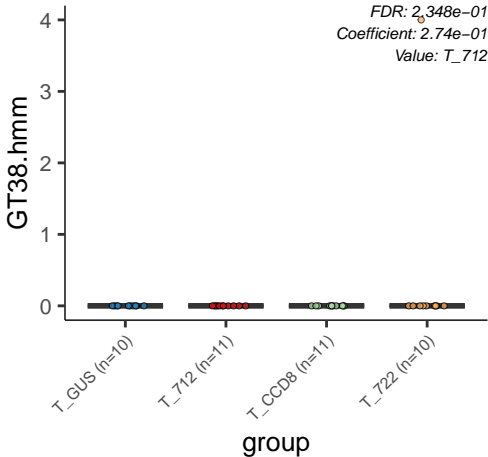


GH16.hmm



PL5\_1.hmm







CBM22.hmm

