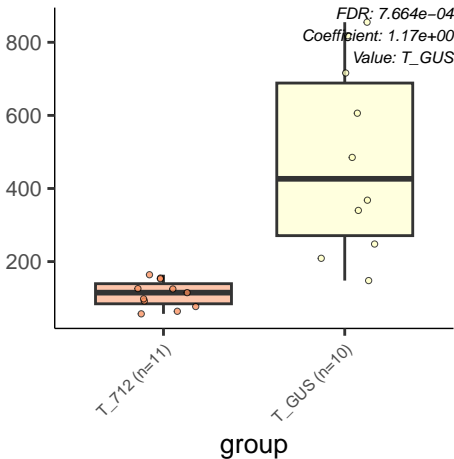
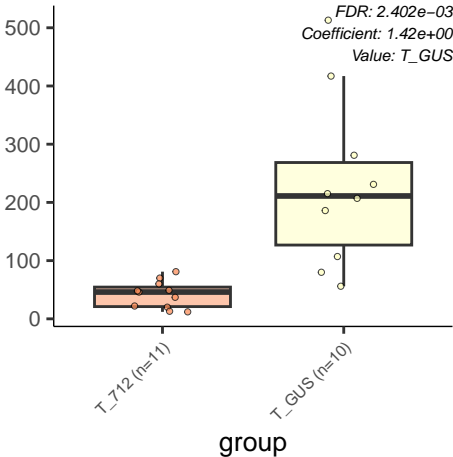
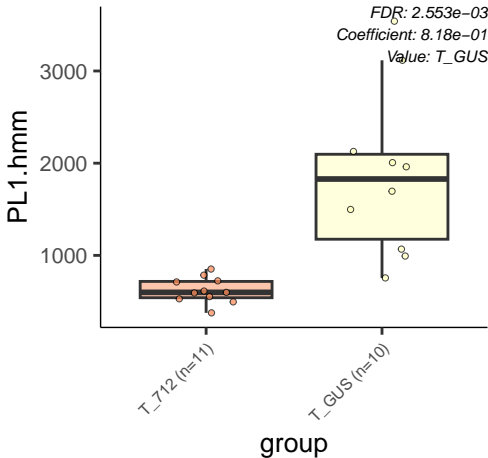


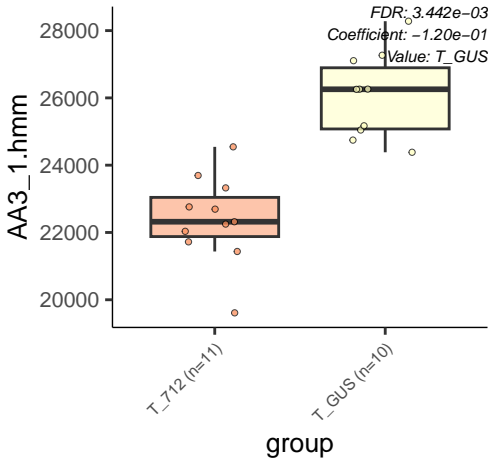
CBM11.hmm



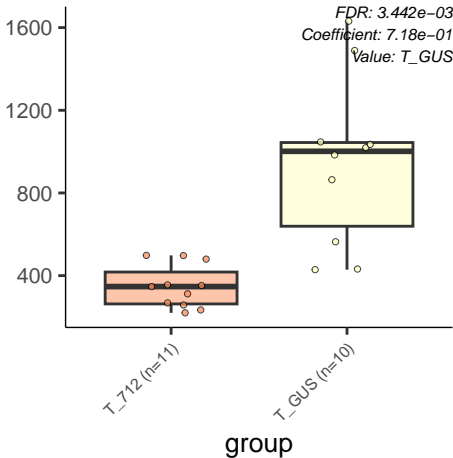
PL10_2.hmm







GH100.hmm



GH107.hmm

150

100

50

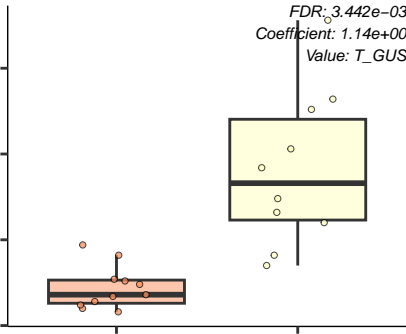
0

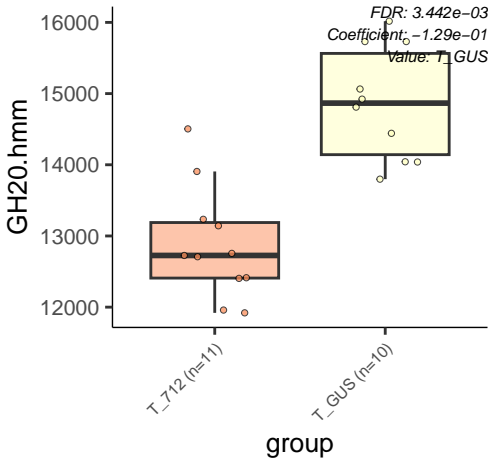
T_712 (n=11)

T_GUS (n=10)

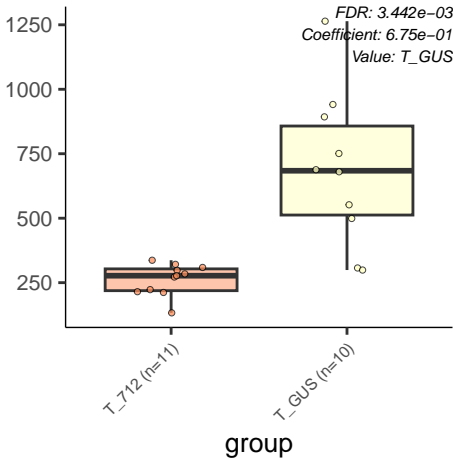
group

FDR: $3.442e-03$
Coefficient: $1.14e+00$
Value: T_GUS

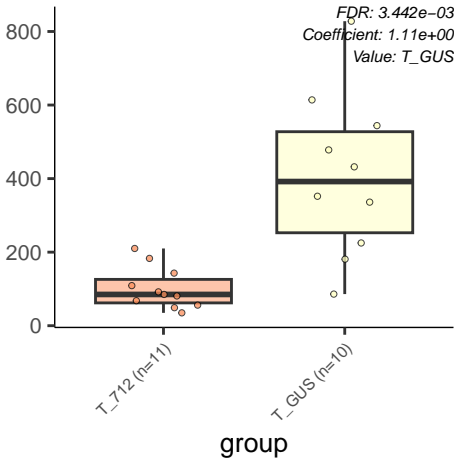




GH43_17.hmm



GH52.hmm



GH81.hmm

1200

800

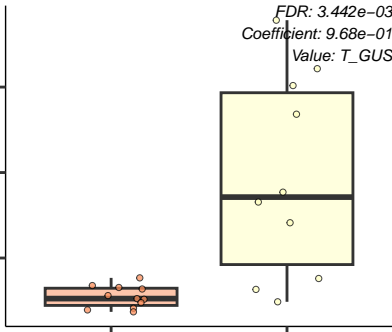
400

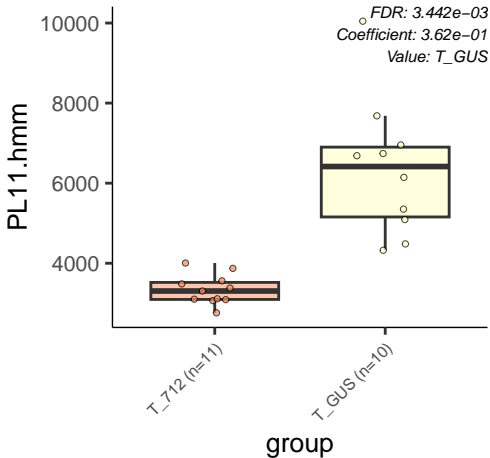
T_712 (n=11)

T_GUS (n=10)

group

FDR: 3.442e-03
Coefficient: 9.68e-01
Value: T_GUS





PL1_3.hmm

300

200

100

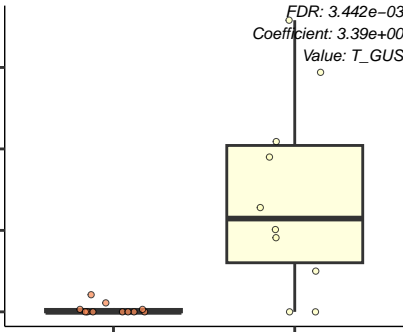
0

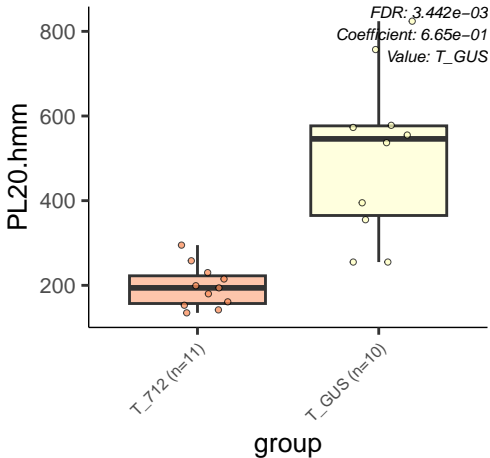
T_712 (n=11)

T_GUS (n=10)

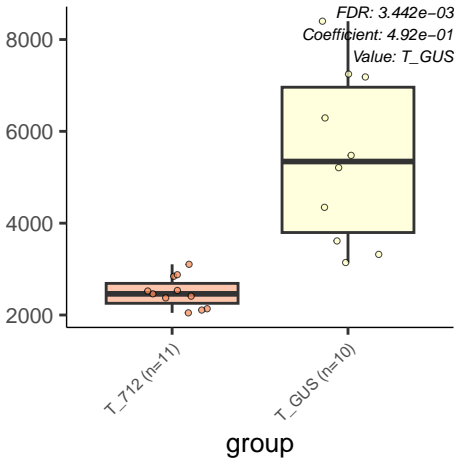
group

FDR: $3.442e-03$
Coefficient: $3.39e+00$
Value: T_GUS





PL26.hmm



GH5_10.hmm

200

100

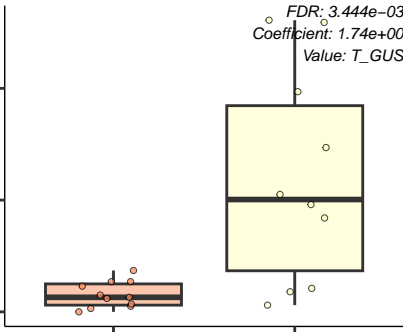
0

T_712 (n=11)

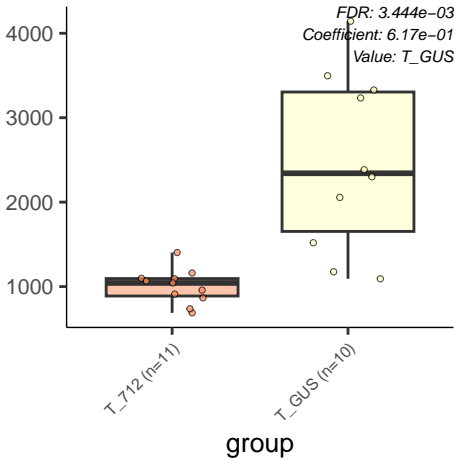
T_GUS (n=10)

group

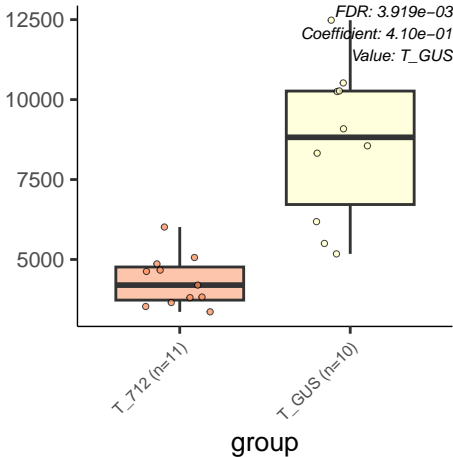
FDR: 3.444e-03
Coefficient: 1.74e+00
Value: T_GUS



PL22_2.hmm



CE15.hmm



PL11_2.hmm

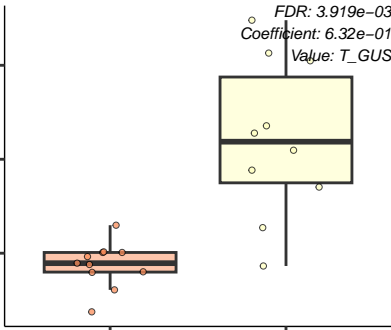
1500
1000
500

T_712 (n=11)

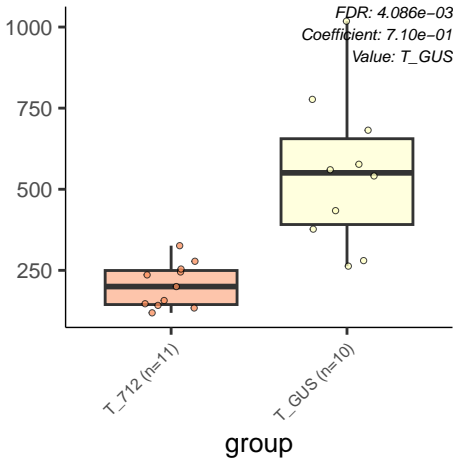
T_GUS (n=10)

group

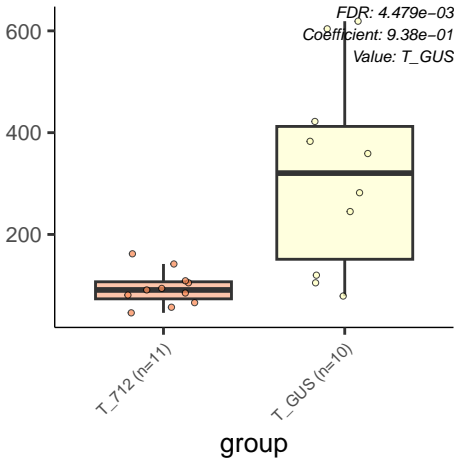
FDR: 3.919e-03
Coefficient: 6.32e-01
Value: T_GUS



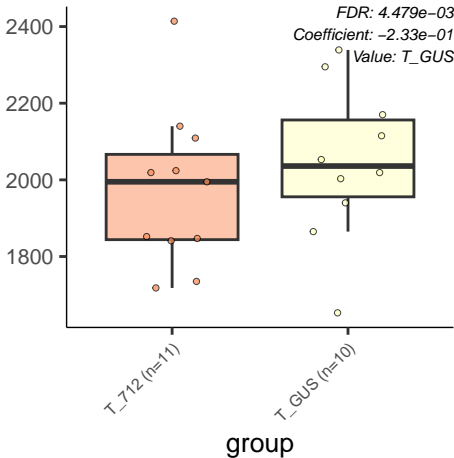
CBM47.hmm



CBM23.hmm



GH125.hmm



GH44.hmm

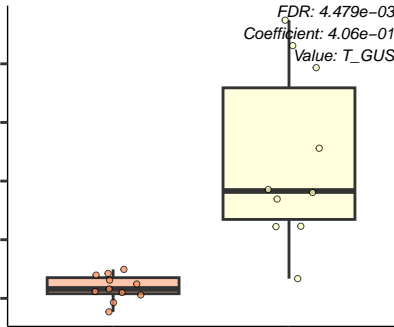
T_712 (n=11)

T_GUS (n=10)

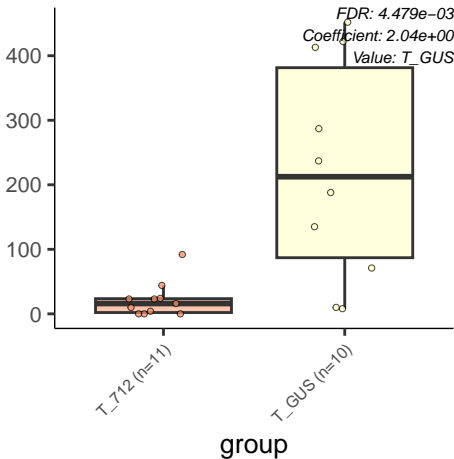
group

FDR: 4.479e-03
Coefficient: 4.06e-01
Value: T_GUS

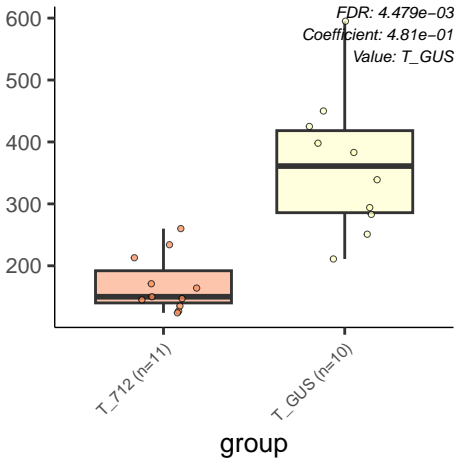
3000
2500
2000
1500
1000



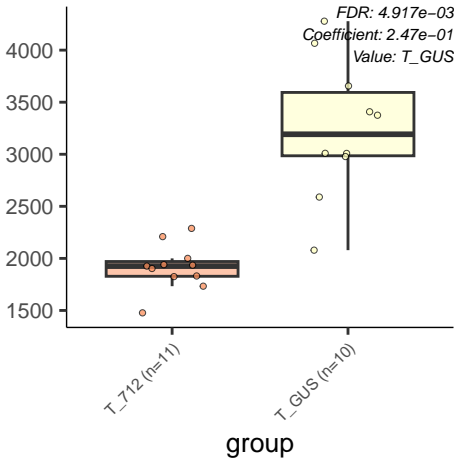
GH45.hmm



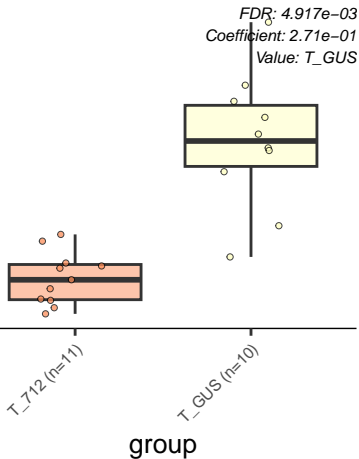
GH5_36.hmm



GH133.hmm



GT46.hmm



PL21_1.hmm

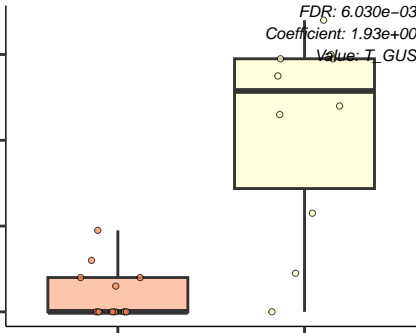
60
40
20
0

T_712 (n=11)

T_GUS (n=10)

group

FDR: 6.030e-03
Coefficient: 1.93e+00
Value: T_GUS



GH143.hmm

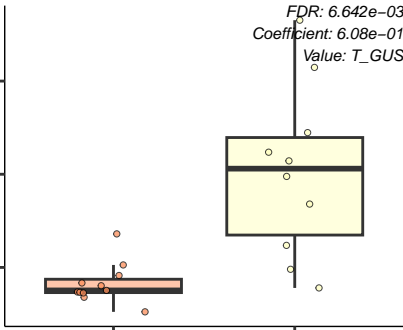
900
600
300

T_712 (n=11)

T_GUS (n=10)

group

FDR: 6.642e-03
Coefficient: 6.08e-01
Value: T_GUS



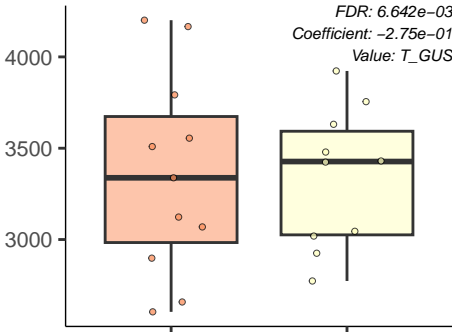
GH24.hmm

T_712 (n=11)

T_GUS (n=10)

group

FDR: 6.642e-03
Coefficient: -2.75e-01
Value: T_GUS



GH13_21.hmm

FDR: 9.305e-03

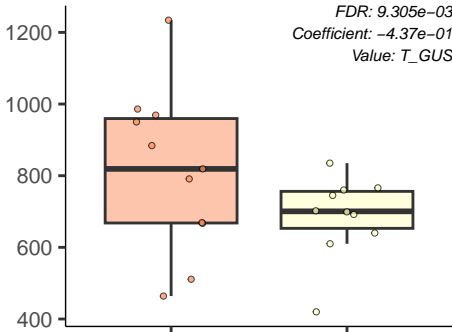
Coefficient: -4.37e-01

Value: T_GUS

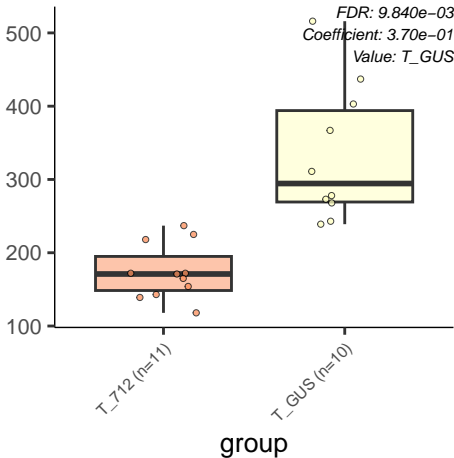
T_712 (n=11)

T_GUS (n=10)

group



CBM63.hmm



CE12.hmm

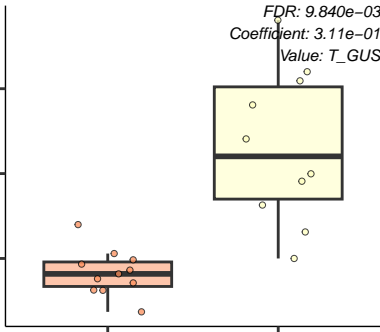
12000
9000
6000

T_712 (n=11)

T_GUS (n=10)

group

FDR: 9.840×10^{-3}
Coefficient: 3.11×10^{-1}
Value: T_GUS



GH13_36.hmm

FDR: 9.840e-03

Coefficient: -2.48e-01

Value: T_GUS

2000

1750

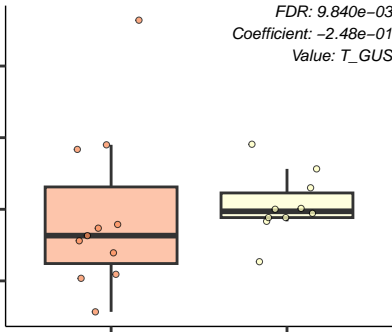
1500

1250

T_712 (n=11)

T_GUS (n=10)

group



GT51.hmm

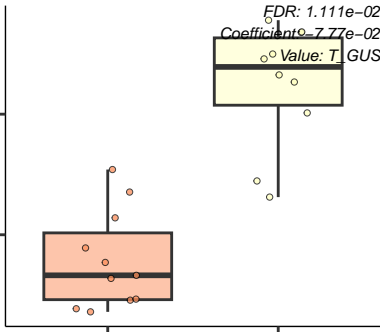
40000
35000

T_712 (n=11)

T_GUS (n=10)

group

FDR: 1.111e-02
Coefficient = 7.77e-02
Value: T_GUS



CBM61.hmm

1000

750

500

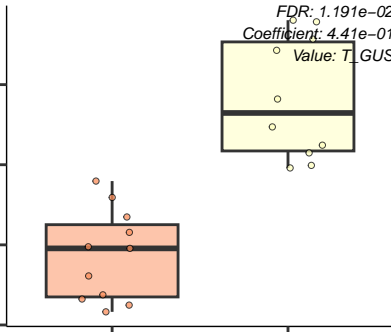
250

T_712 (n=11)

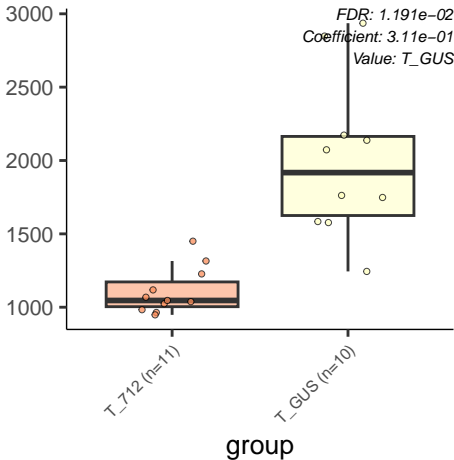
T_GUS (n=10)

group

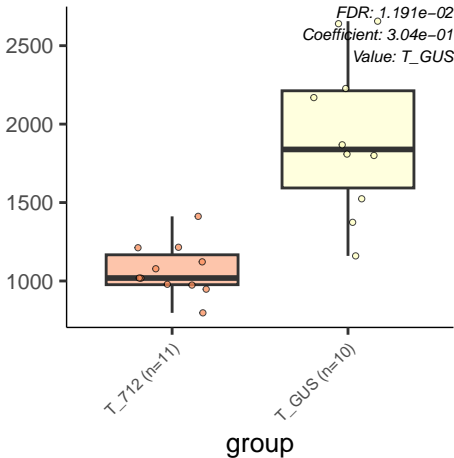
FDR: 1.191e-02
Coefficient: 4.41e-01
Value: T_GUS



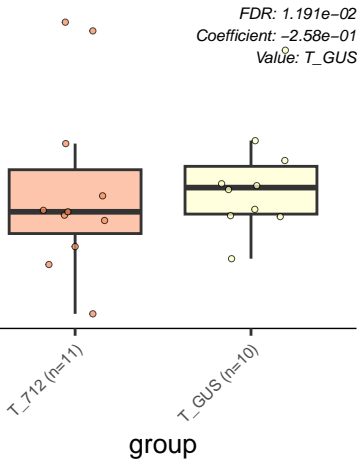
GH145.hmm



GH43_11.hmm



GH43_9.hmm



PL15_1.hmm

100

50

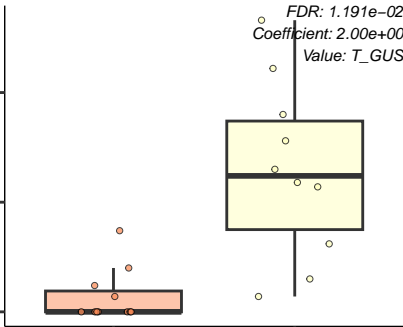
0

T_712 (n=11)

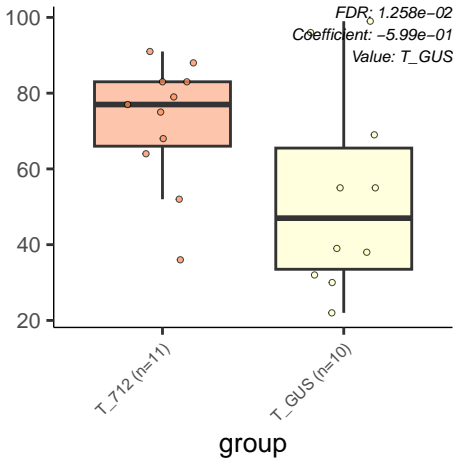
T_GUS (n=10)

group

FDR: 1.191e-02
Coefficient: 2.00e+00
Value: T_GUS



GT77.hmm



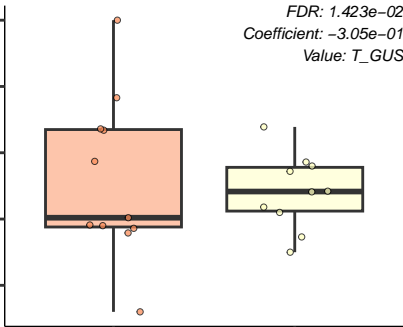
GT14.hmm

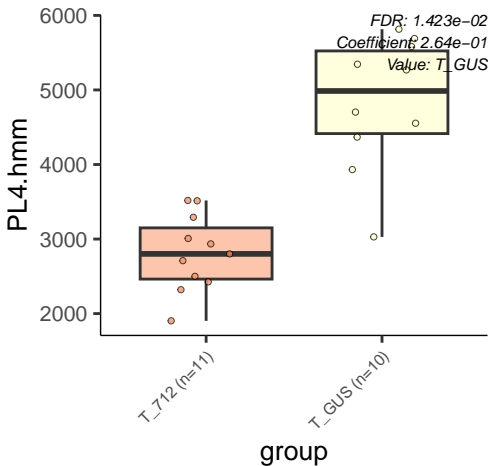
FDR: $1.423e-02$
Coefficient: $-3.05e-01$
Value: T_GUS

T_712 (n=11)

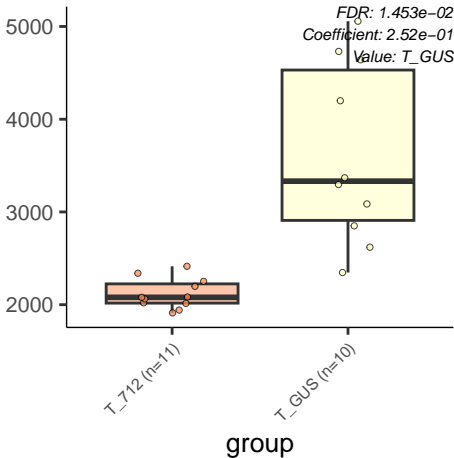
T_GUS (n=10)

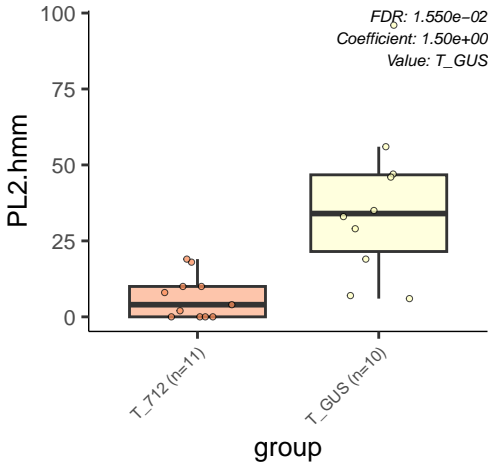
group



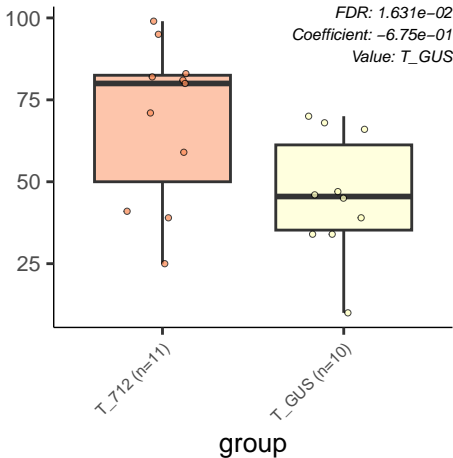


GH8.hmm





PL5_1.hmm



PL7_4.hmm

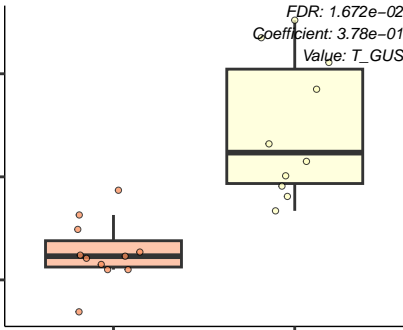
300
200
100

T_712 (n=11)

T_GUS (n=10)

group

FDR: 1.672e-02
Coefficient: 3.78e-01
Value: T_GUS



AA3.hmm

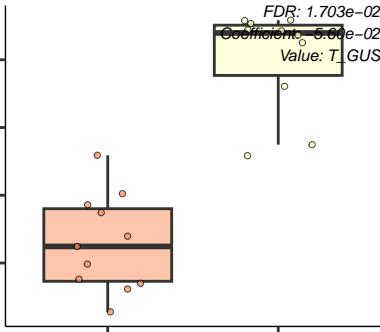
70000
65000
60000
55000

T_712 (n=11)

T_GUS (n=10)

group

FDR: $1.703e-02$
Coefficient: $-5.60e-02$
Value: T_GUS



GH5_13.hmm

FDR: 1.703e-02

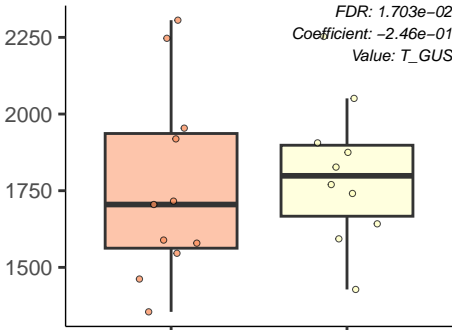
Coefficient: -2.46e-01

Value: T_GUS

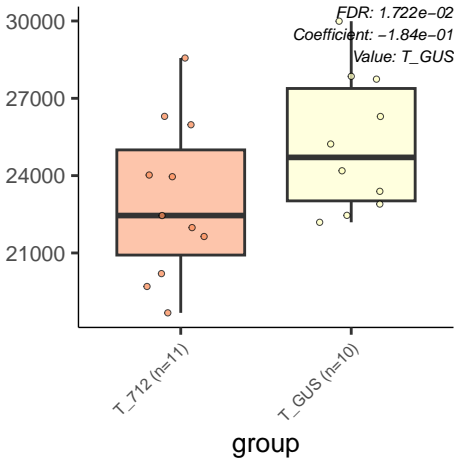
T_712 (n=11)

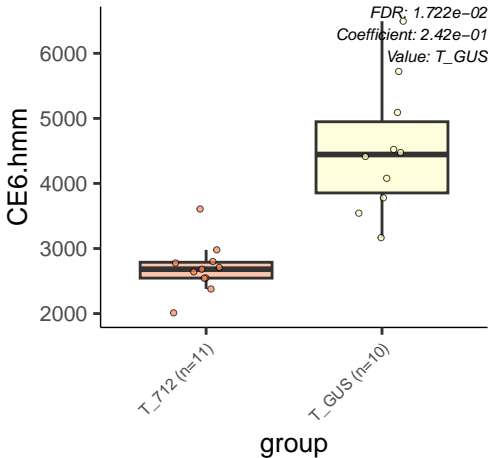
T_GUS (n=10)

group



CBM50.hmm





GH13_2.hmm

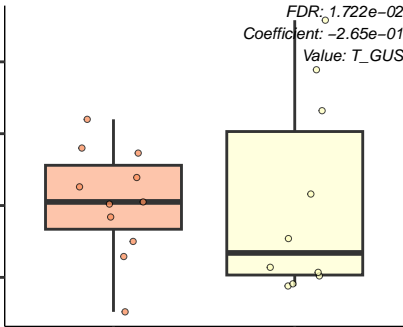
900
800
700
600

T_712 (n=11)

T_GUS (n=10)

group

FDR: 1.722e-02
Coefficient: -2.65e-01
Value: T_GUS



GH17.hmm

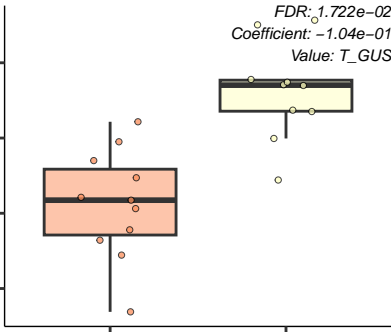
FDR: 1.722e-02
Coefficient: -1.04e-01
Value: T_GUS

5000
4500
4000
3500

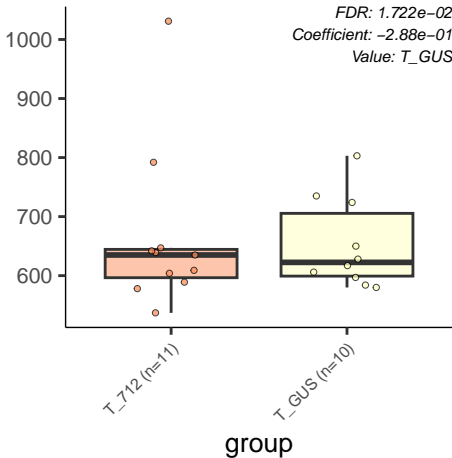
T_712 (n=11)

T_GUS (n=10)

group



GH47.hmm



PL6_2.hmm

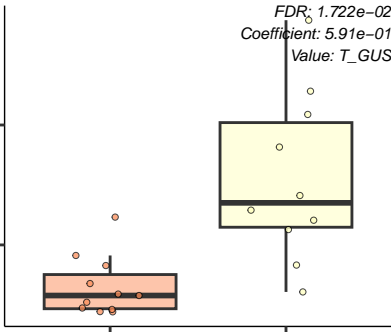
1000
500

T_712 (n=11)

T_GUS (n=10)

group

FDR: 1.722e-02
Coefficient: 5.91e-01
Value: T_GUS



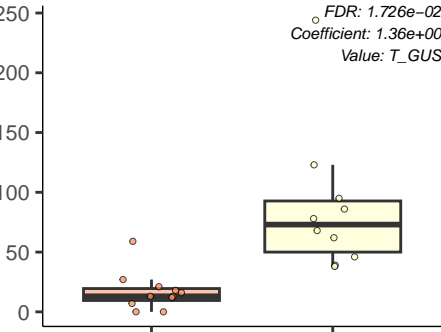
CBM59.hmm

FDR: 1.726e-02
Coefficient: 1.36e+00
Value: T_GUS

T_712 (n=11)

T_GUS (n=10)

group



GH109.hmm

70000

60000

50000

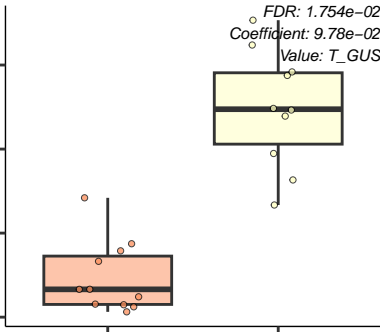
40000

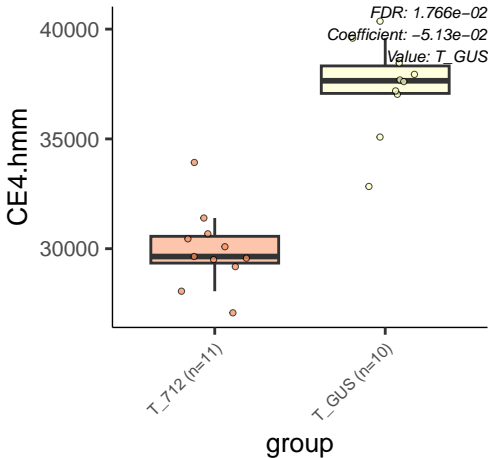
T_712 (n=11)

T_GUS (n=10)

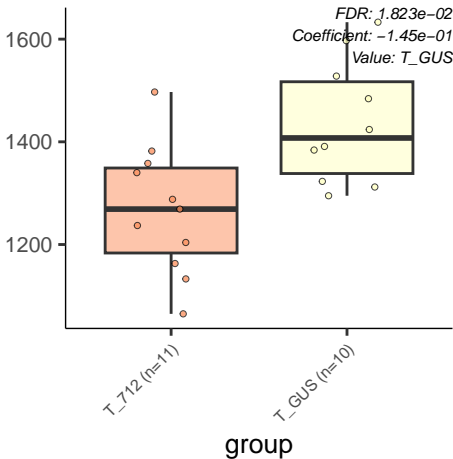
group

FDR: 1.754e-02
Coefficient: 9.78e-02
Value: T_GUS

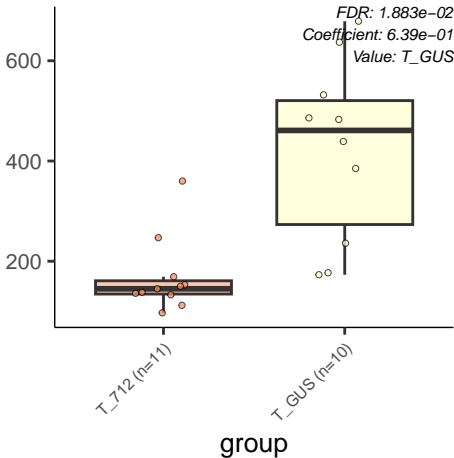


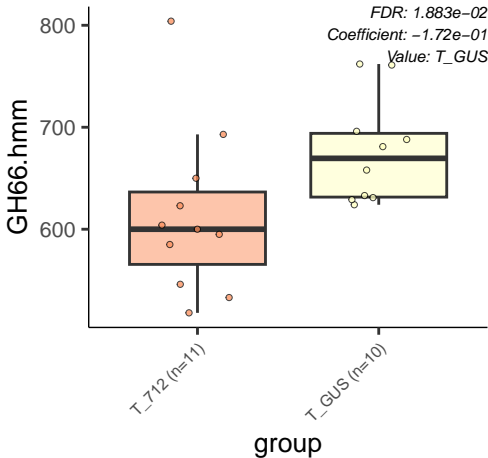


GT25.hmm



GH5_2.hmm





GT89.hmm

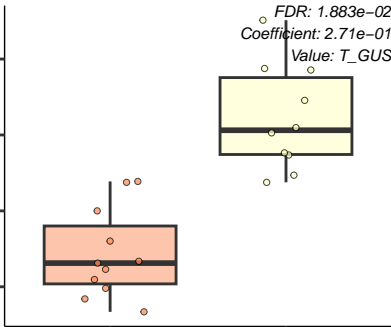
2500
2000
1500
1000

T_712 (n=11)

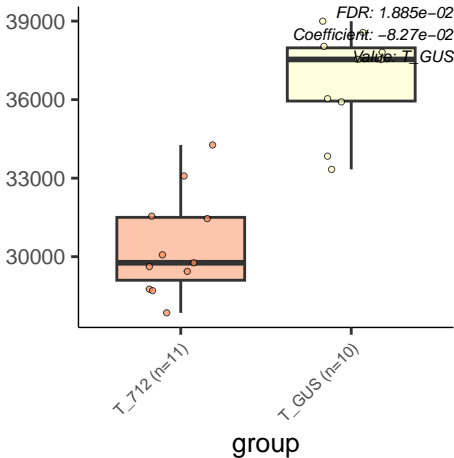
T_GUS (n=10)

group

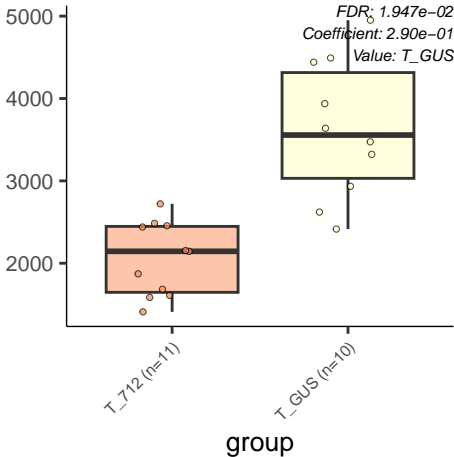
FDR: 1.883e-02
Coefficient: 2.71e-01
Value: T_GUS

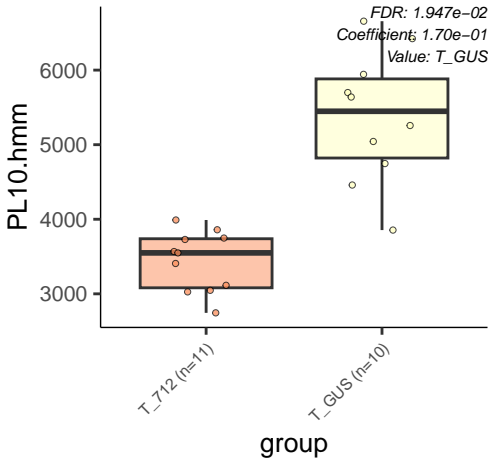


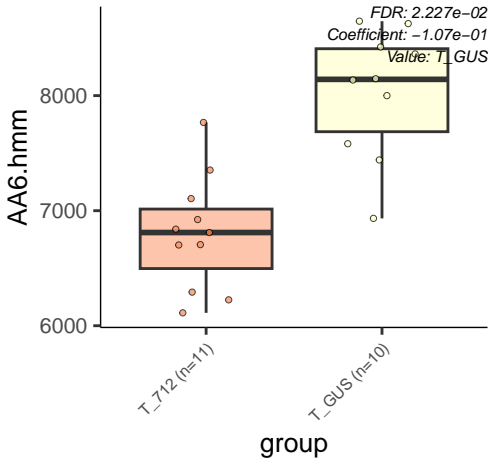
GH23.hmm



GH140.hmm







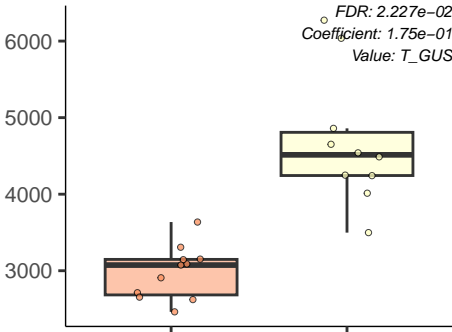
GH26.hmm

FDR: 2.227e-02
Coefficient: 1.75e-01
Value: T_GUS

T_712 (n=11)

T_GUS (n=10)

group



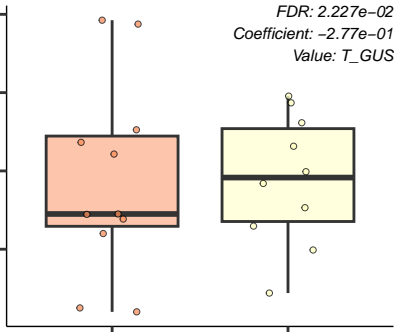
GH43_29.hmm

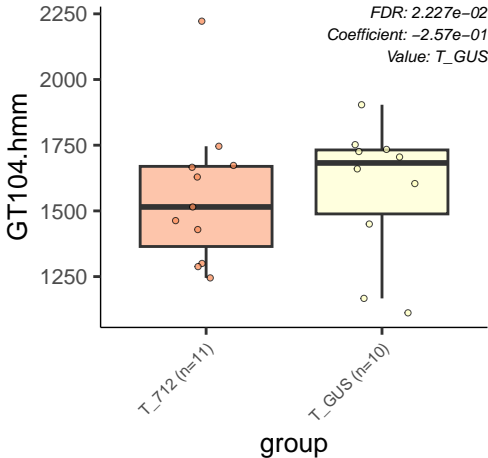
FDR: 2.227e-02
Coefficient: -2.77e-01
Value: T_GUS

T_712 (n=11)

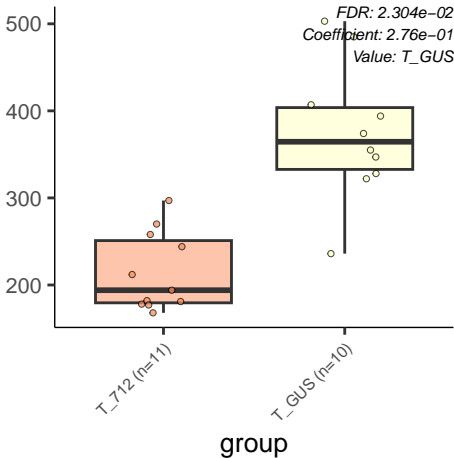
T_GUS (n=10)

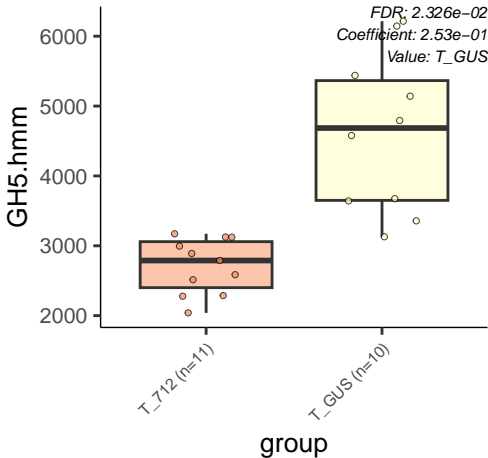
group



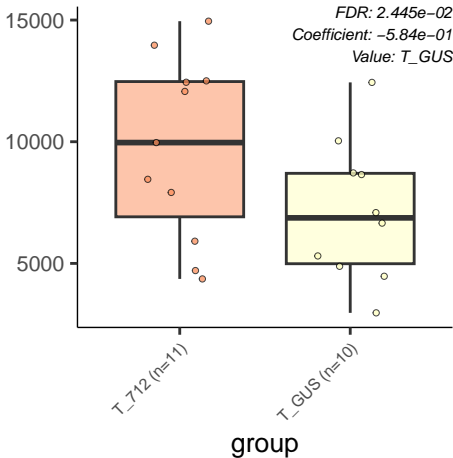


GH75.hmm





CBM4.hmm



GH43_31.hmm

FDR: 2.445e-02

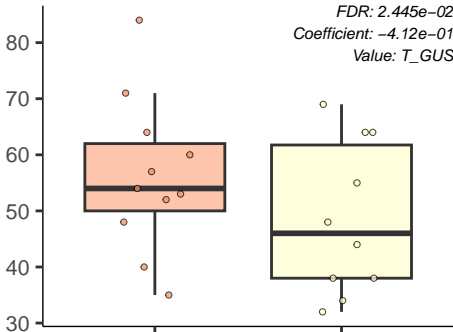
Coefficient: -4.12e-01

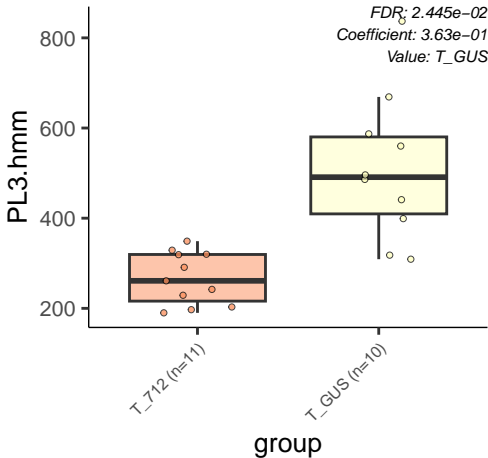
Value: T_GUS

T_712 (n=11)

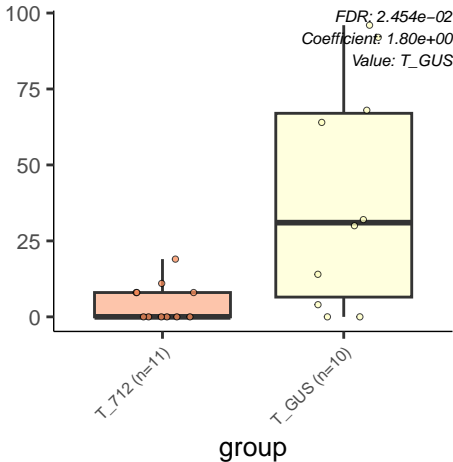
T_GUS (n=10)

group





GH112.hmm



GH89.hmm

FDR: 2.629e-02

Coefficient: -2.48e-01

Value: T_GUS

2400

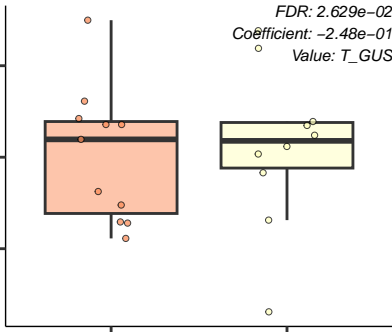
2000

1600

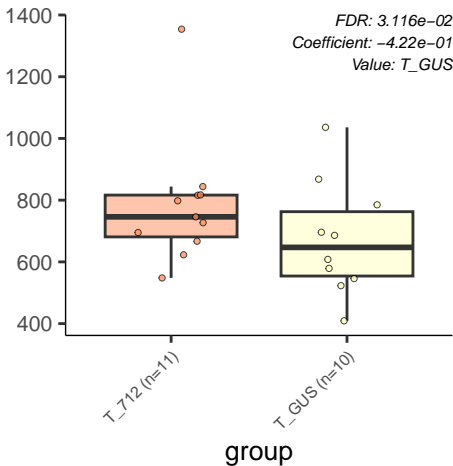
T_712 (n=11)

T_GUS (n=10)

group



GH13_4.hmm



GH121.hmm

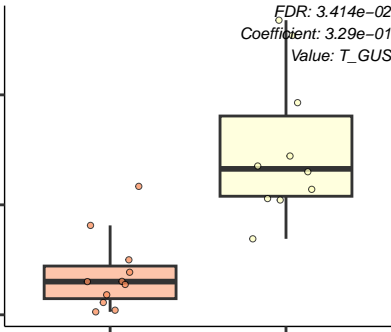
3000
2000
1000

T_712 (n=11)

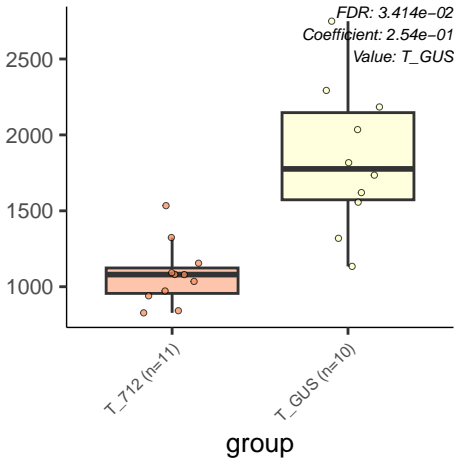
T_GUS (n=10)

group

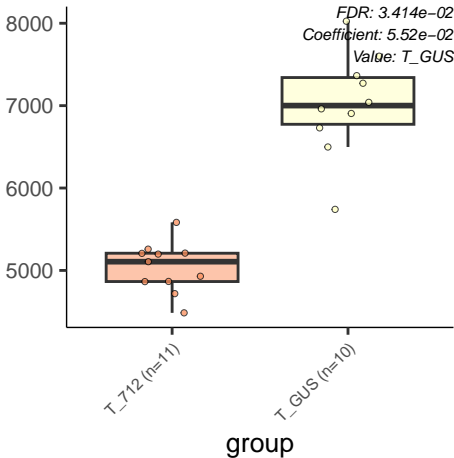
FDR: 3.414×10^{-2}
Coefficient: 3.29×10^{-1}
Value: T_GUS

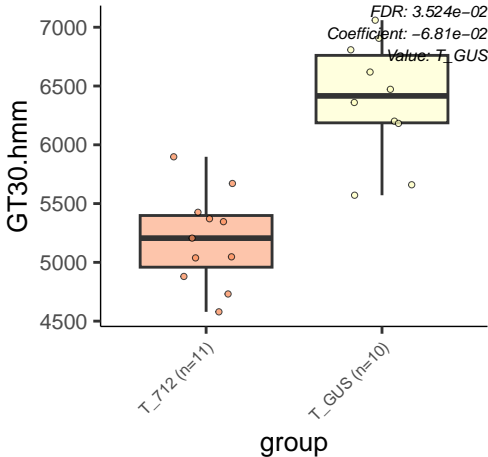


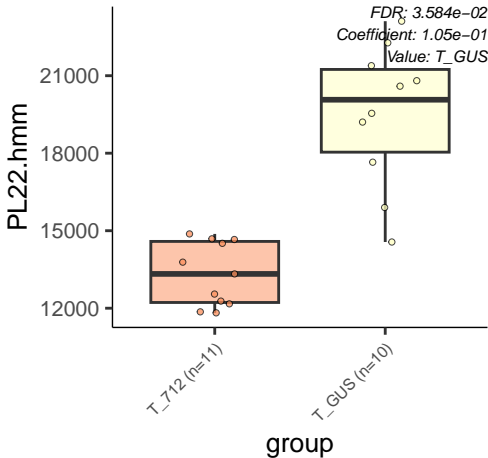
GH138.hmm



GH141.hmm







GH106.hmm

20000

16000

12000

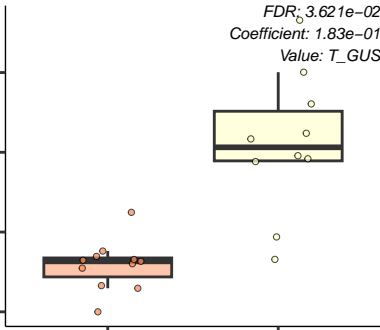
8000

T_712 (n=11)

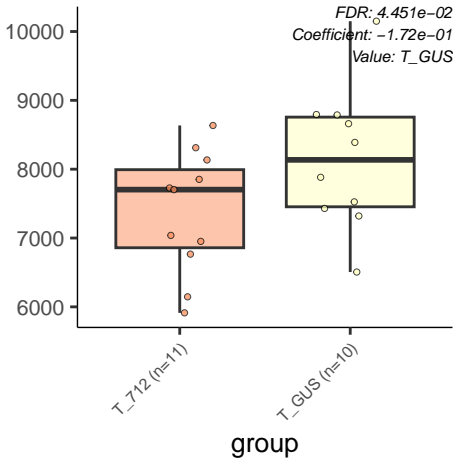
T_GUS (n=10)

group

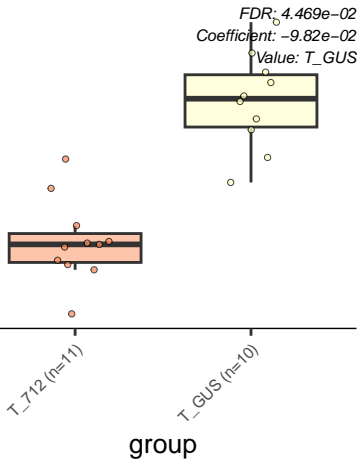
FDR: 3.621×10^{-2}
Coefficient: 1.83×10^{-1}
Value: T_GUS



GH65.hmm



GH30.hmm



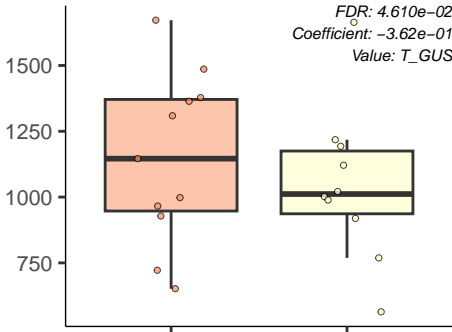
PL9_4.hmm

FDR: 4.610e-02
Coefficient: -3.62e-01
Value: T_GUS

T_712 (n=11)

T_GUS (n=10)

group



GH5_41.hmm

500
400
300
200

T_712 (n=11)

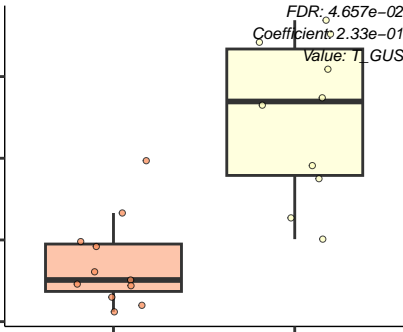
T_GUS (n=10)

group

FDR: $4.657e-02$

Coefficient: $2.33e-01$

Value: T_GUS



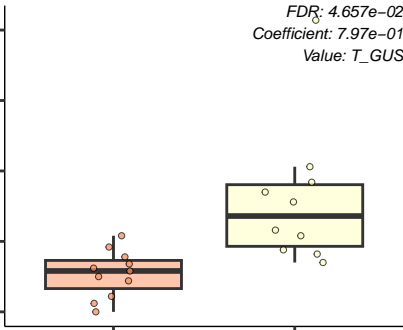
GT33.hmm

FDR: $4.657e-02$
Coefficient: $7.97e-01$
Value: T_GUS

T_712 (n=11)

T_GUS (n=10)

group



GT66.hmm

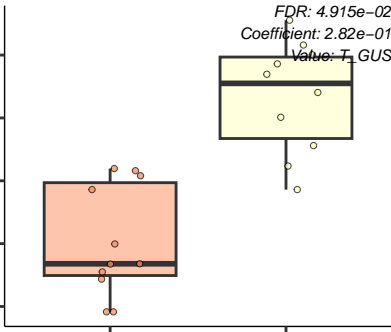
1200
1000
800
600
400

T_712 (n=11)

T_GUS (n=10)

group

FDR: 4.915e-02
Coefficient: 2.82e-01
Value: T_GUS



GH97.hmm

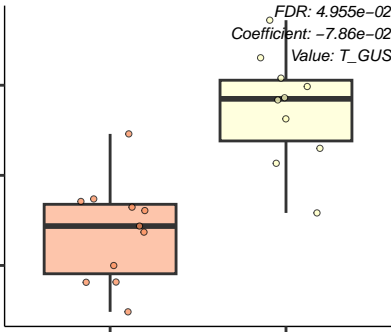
8000
7000
6000

T_712 (n=11)

T_GUS (n=10)

group

FDR: $4.955e-02$
Coefficient: $-7.86e-02$
Value: T_GUS



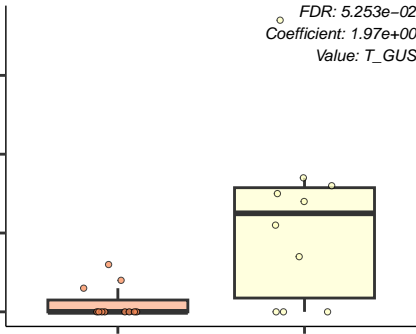
GH56.hmm

FDR: 5.253e-02
Coefficient: 1.97e+00
Value: T_GUS

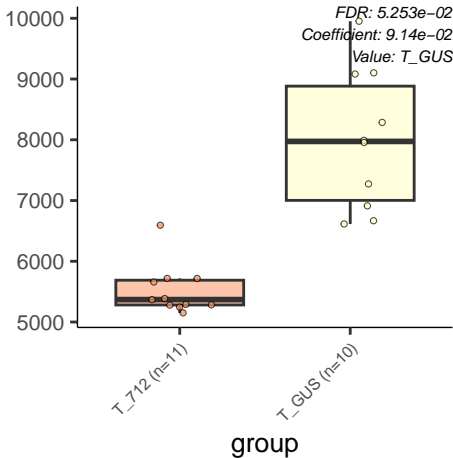
T_712 (n=11)

T_GUS (n=10)

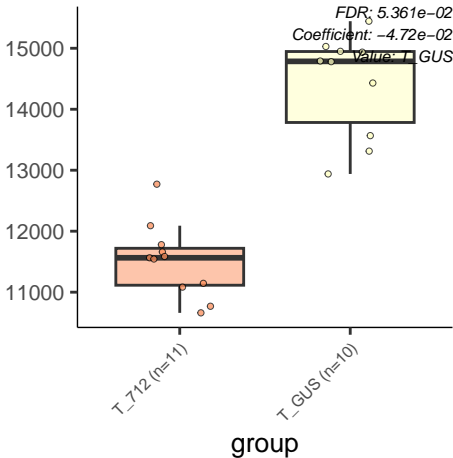
group



PL9.hmm



GT20.hmm



PL1_2.hmm

5000

4000

3000

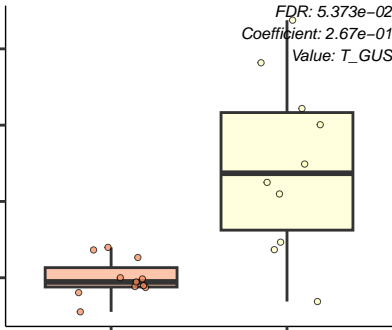
2000

T_712 (n=11)

T_GUS (n=10)

group

FDR: 5.373e-02
Coefficient: 2.67e-01
Value: T_GUS



GH13_23.hmm

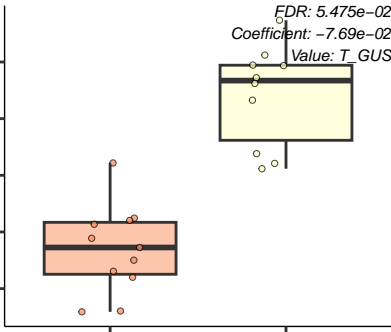
T_712 (n=11)

T_GUS (n=10)

group

FDR: 5.475e-02
Coefficient: -7.69e-02
Value: T_GUS

8000
7500
7000
6500
6000



PL1_7.hmm

100

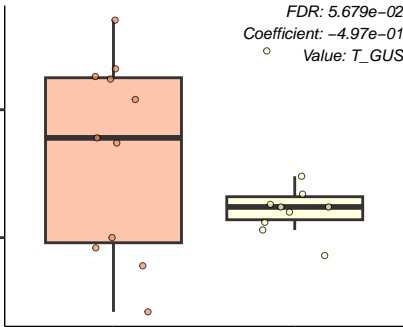
50

T_712 (n=11)

T_GUS (n=10)

group

FDR: 5.679e-02
Coefficient: -4.97e-01
Value: T_GUS



GH36.hmm

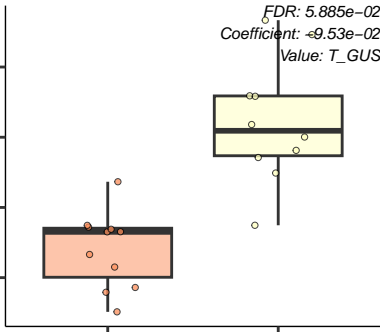
12000
11000
10000
9000

T_712 (n=11)

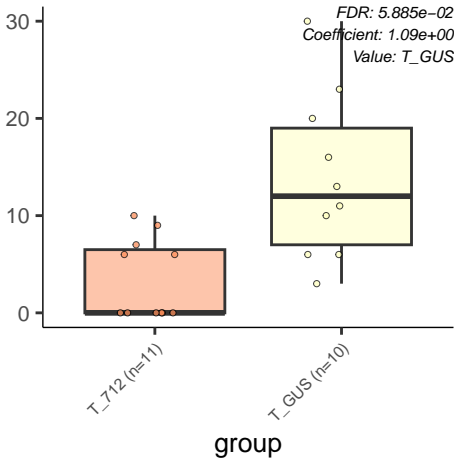
T_GUS (n=10)

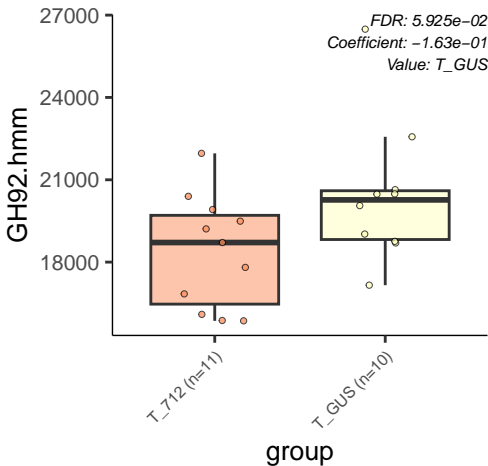
group

FDR: 5.885e-02
Coefficient: -9.53e-02
Value: T_GUS

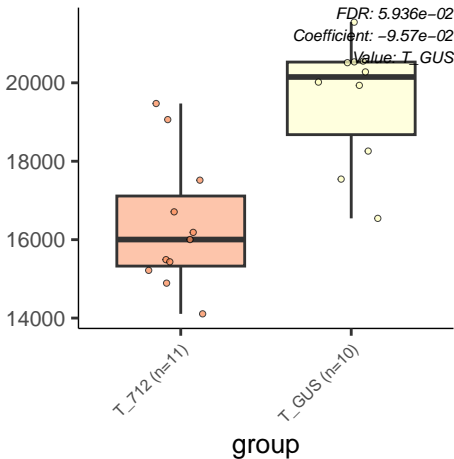


PL17_2.hmm





GH31.hmm



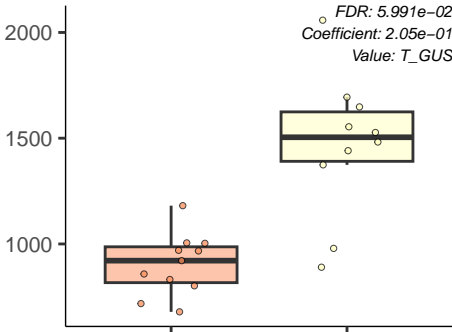
GH43_18.hmm

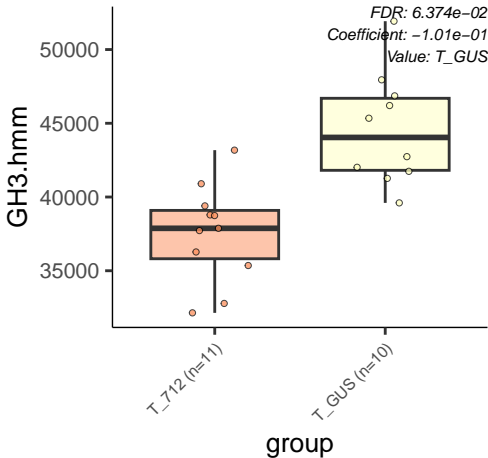
FDR: 5.991e-02
Coefficient: 2.05e-01
Value: T_GUS

T_712 (n=11)

T_GUS (n=10)

group





GH43_8.hmm

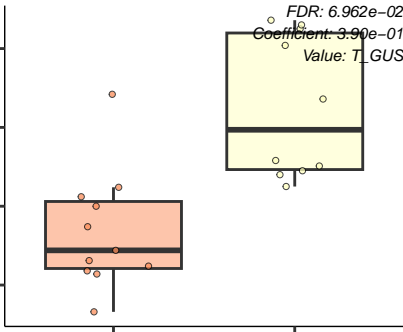
400
300
200
100

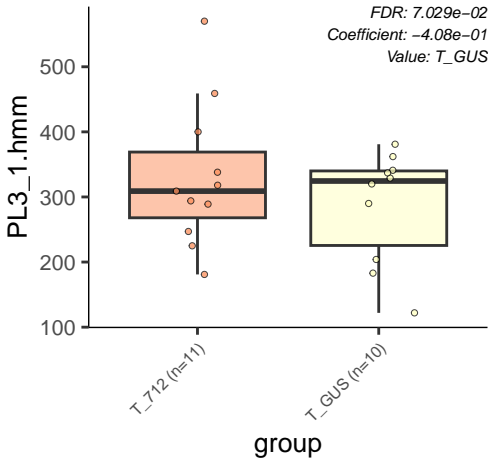
T_712 (n=11)

T_GUS (n=10)

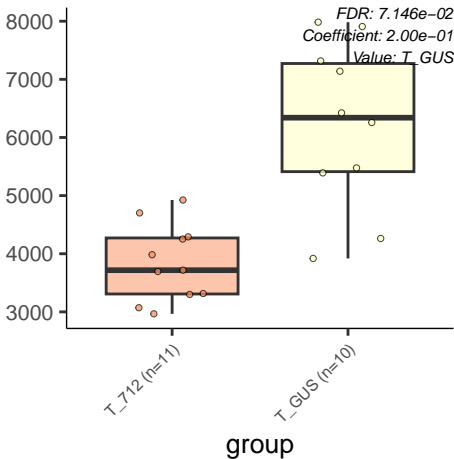
group

FDR: 6.962e-02
Coefficient: 3.90e-01
Value: T_GUS

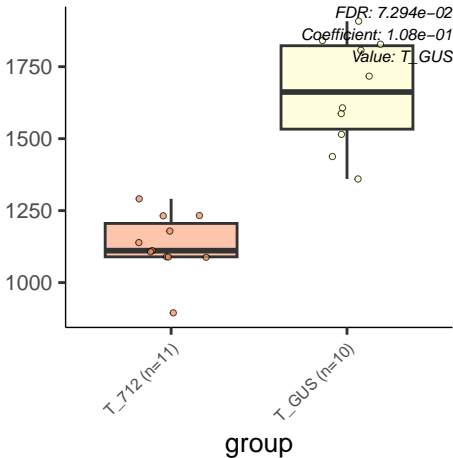


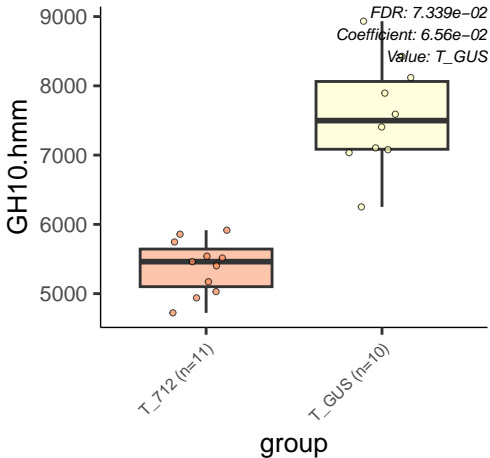


CBM9.hmm

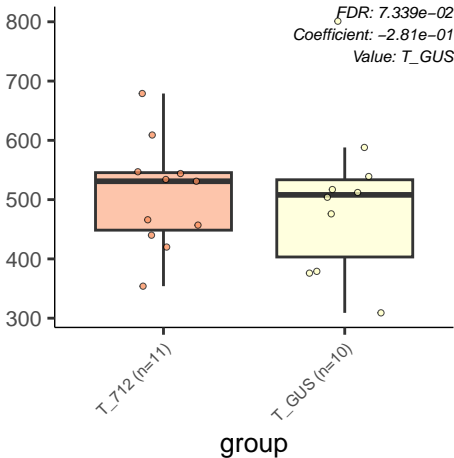


GH114.hmm

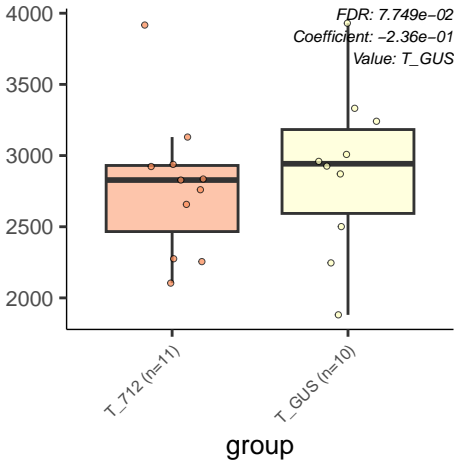




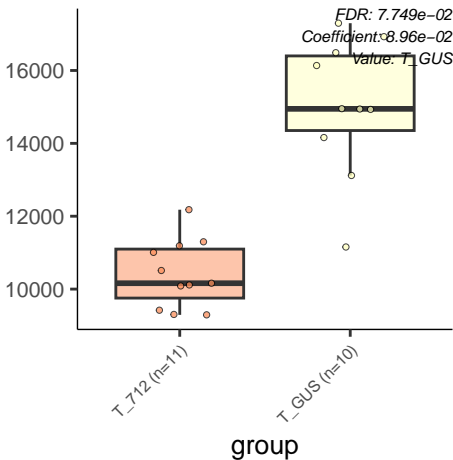
GH135.hmm



GH13_13.hmm



GH51.hmm



GT19.hmm

T_712 (n=11)

T_GUS (n=10)

group

FDR: $7.803e-02$

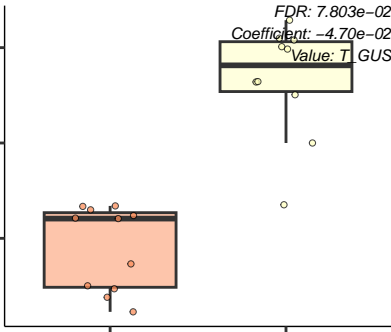
Coefficient: $-4.70e-02$

Value: T_GUS

9000

8000

7000



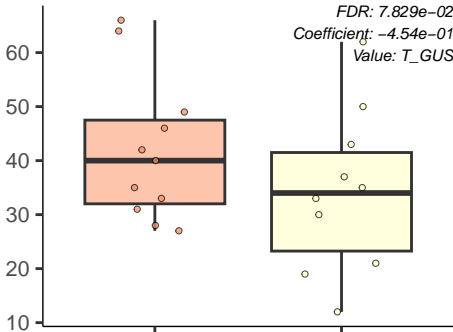
GT15.hmm

T_712 (n=11)

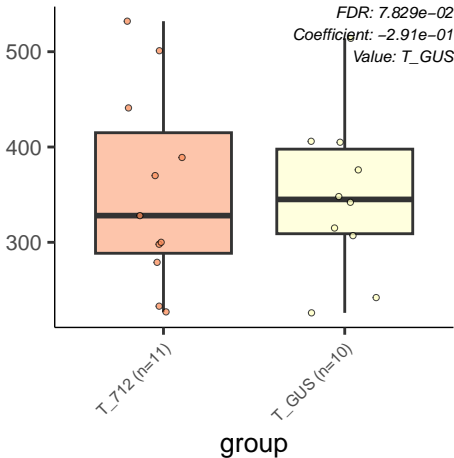
T_GUS (n=10)

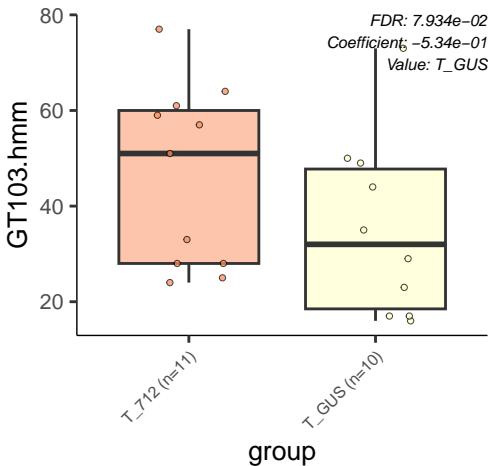
group

FDR: 7.829e-02
Coefficient: -4.54e-01
Value: T_GUS

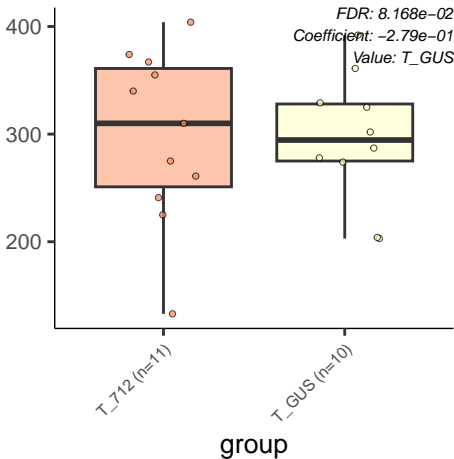


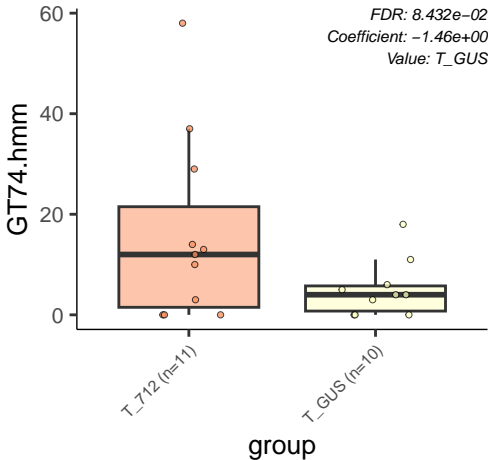
PL9_3.hmm

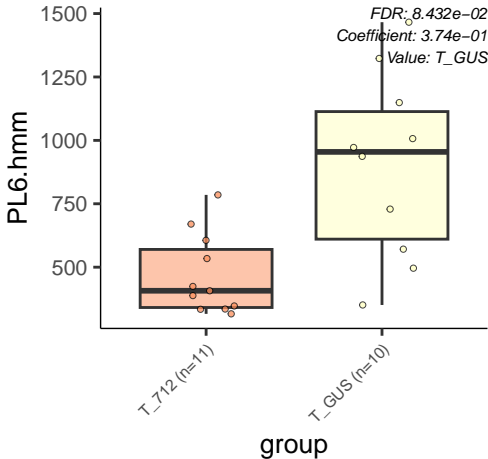




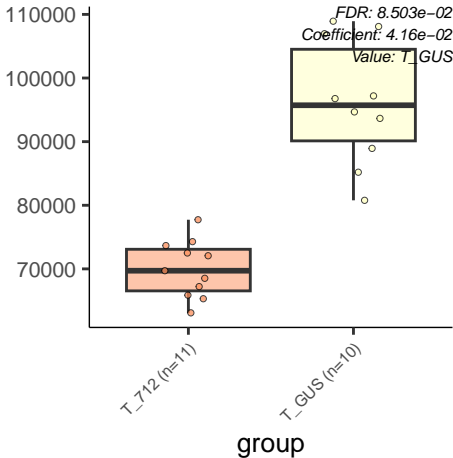
GT40.hmm



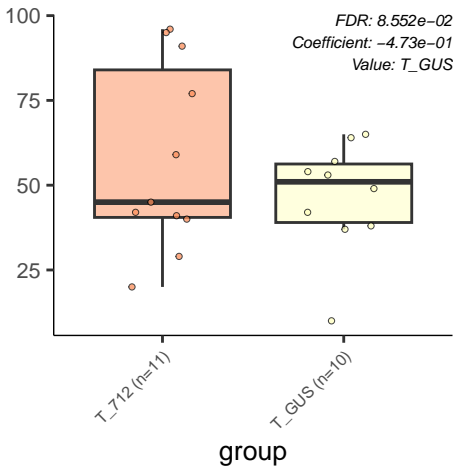




CE1.hmm



GT56.hmm



GT41.hmm

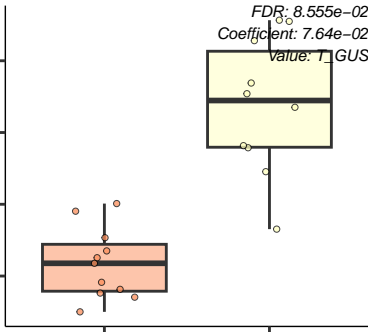
200000
175000
150000
125000

T_712 (n=11)

T_GUS (n=10)

group

FDR: $8.555e-02$
Coefficient: $7.64e-02$
value: T_GUS



GT94.hmm

1000

750

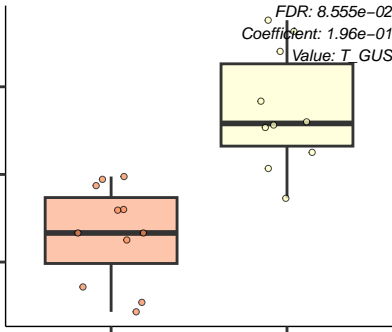
500

T_712 (n=11)

T_GUS (n=10)

group

FDR: 8.555e-02
Coefficient: 1.96e-01
Value: T_GUS



GH30_2.hmm

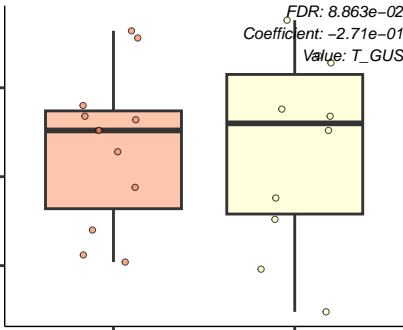
T_712 (n=11)

T_GUS (n=10)

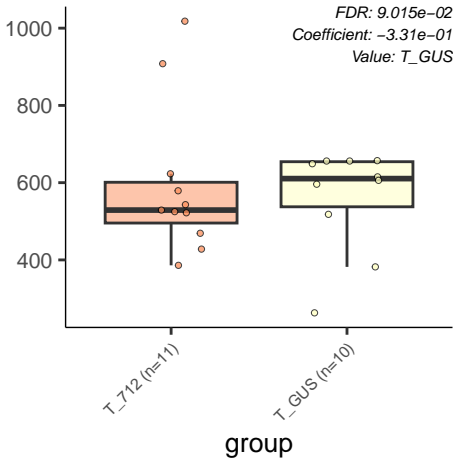
group

FDR: $8.863e-02$
Coefficient: $-2.71e-01$
Value: T_GUS

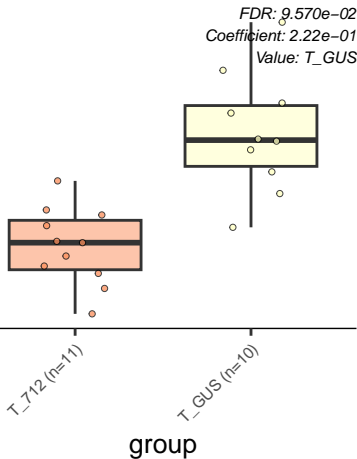
125
100
75



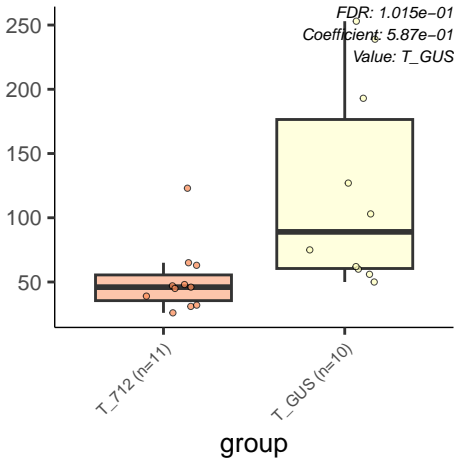
GH13_19.hmm



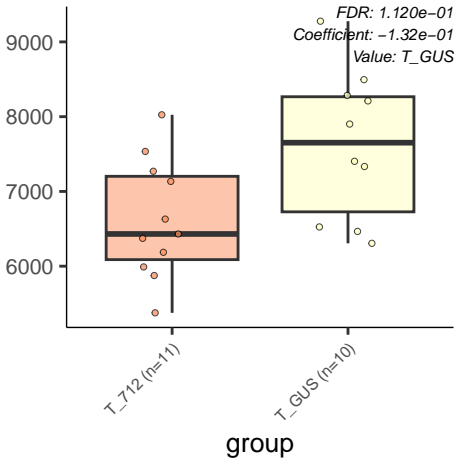
GH43_37.hmm



PL17_1.hmm



GH13.hmm



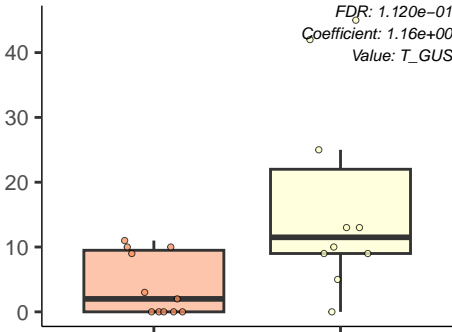
GH5_17.hmm

FDR: 1.120e-01
Coefficient: 1.16e+00
Value: T_GUS

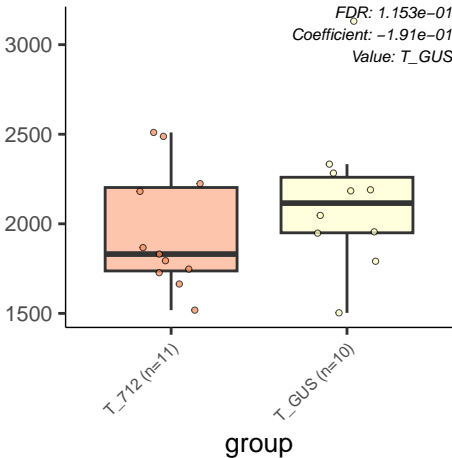
T_712 (n=11)

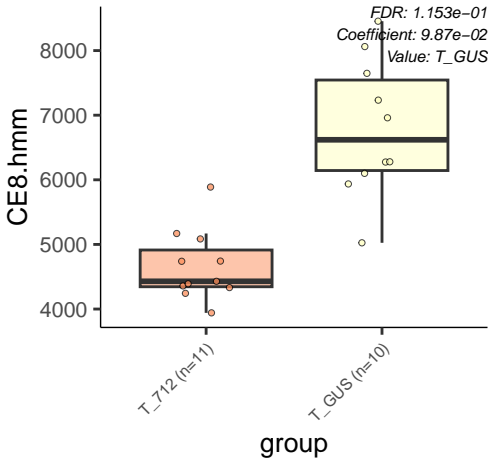
T_GUS (n=10)

group



CBM5.hmm





GH30_4.hmm

FDR: 1.153e-01
Coefficient: -1.84e-01
Value: T_GUS

400

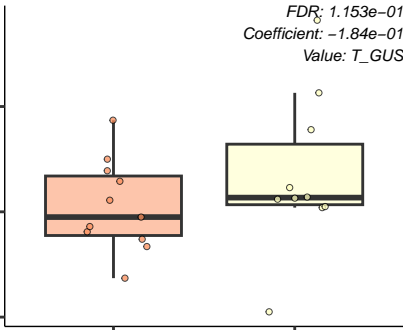
300

200

T_712 (n=11)

T_GUS (n=10)

group



AA2.hmm

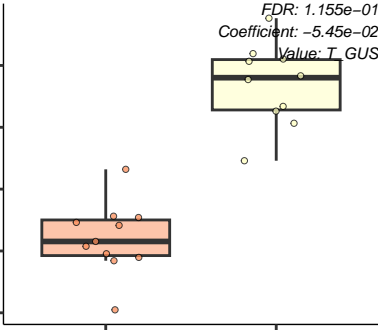
13000
12000
11000
10000
9000

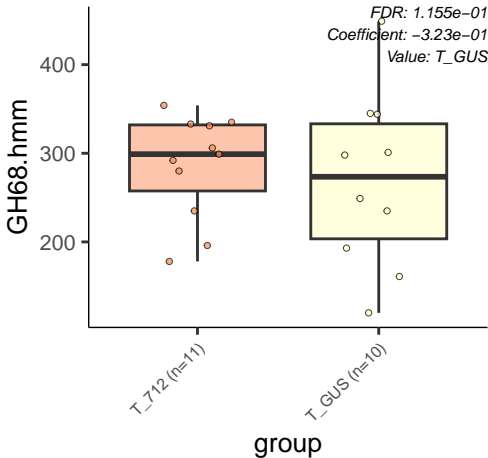
T_712 (n=11)

T_GUS (n=10)

group

FDR: 1.155e-01
Coefficient: -5.45e-02
Value: T_GUS





GH9.hmm

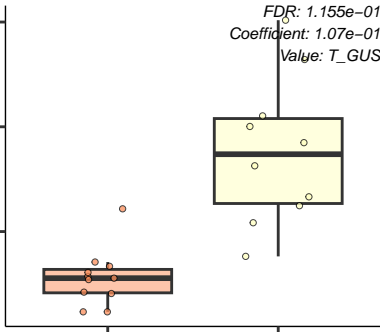
10000
8000
6000

T_712 (n=11)

T_GUS (n=10)

group

FDR: 1.155e-01
Coefficient: 1.07e-01
Value: T_GUS



GT2_Cellulose_synt.hmm

FDR: 1.170e-01

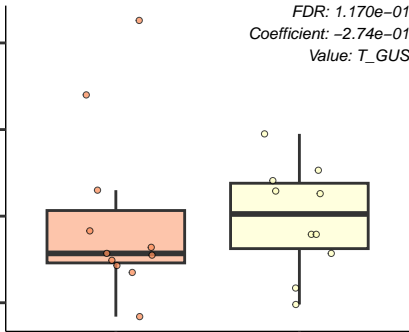
Coefficient: -2.74e-01

Value: T_GUS

T_712 (n=11)

T_GUS (n=10)

group



GH13_6.hmm

FDR: 1.190e-01

Coefficient: -3.41e-01

Value: T_GUS

800

600

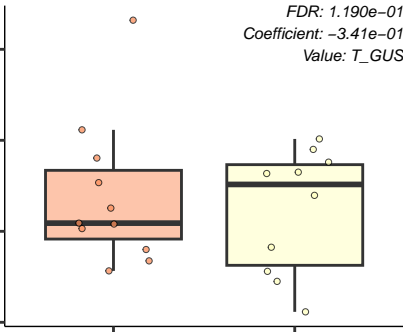
400

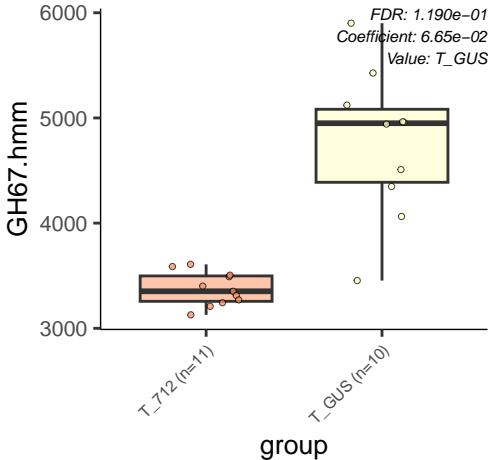
200

T_712 (n=11)

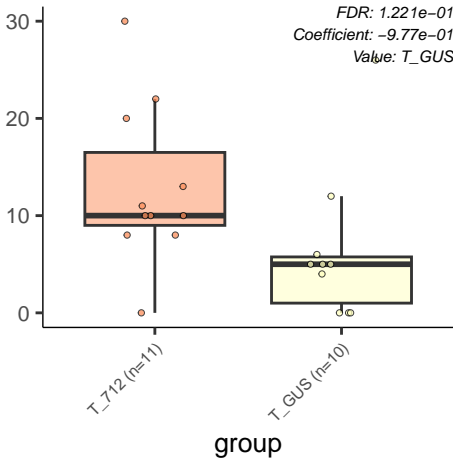
T_GUS (n=10)

group

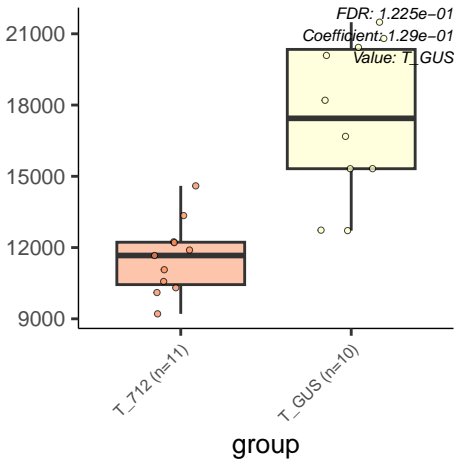


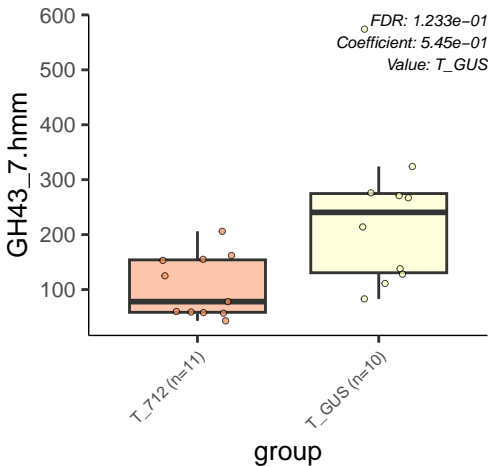


PL7_2.hmm



GH28.hmm





AA5_1.hmm

100

50

0

T_712 (n=11)

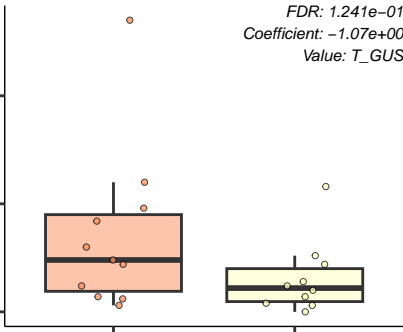
T_GUS (n=10)

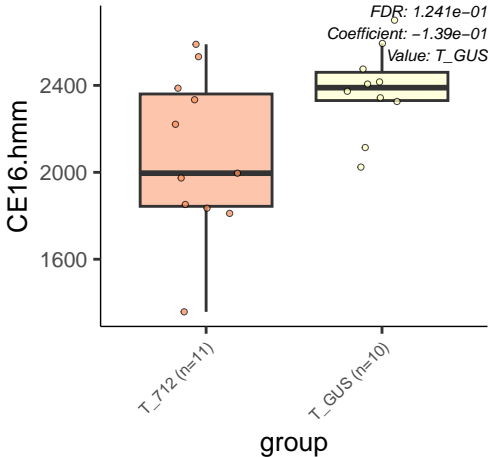
group

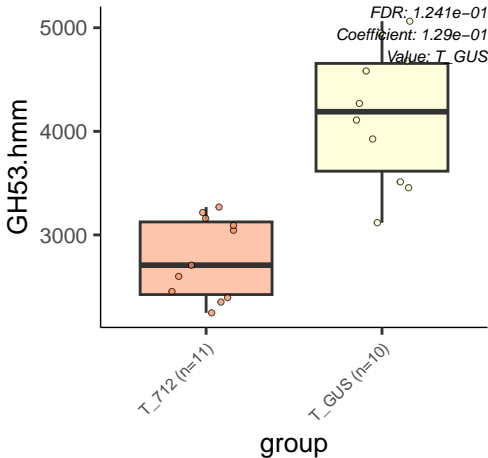
FDR: 1.241e-01

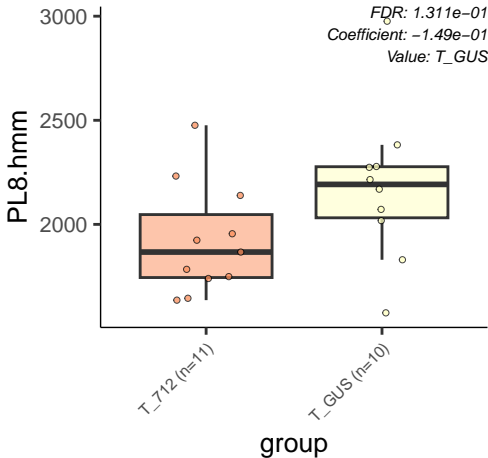
Coefficient: -1.07e+00

Value: T_GUS

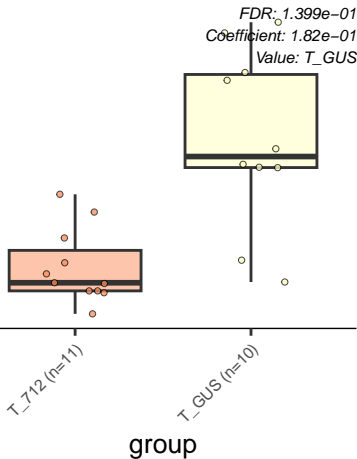




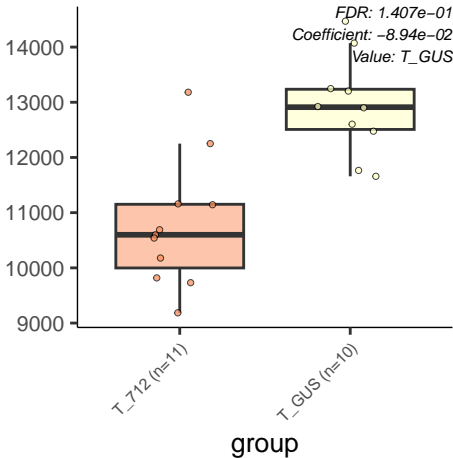




GH117.hmm



GH35.hmm



GH49.hmm

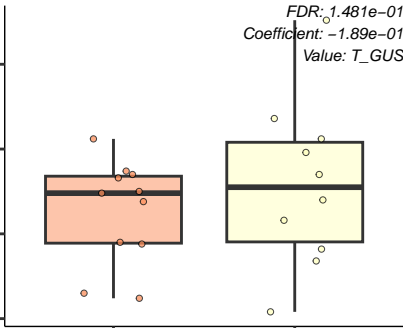
300
250
200
150

T_712 (n=11)

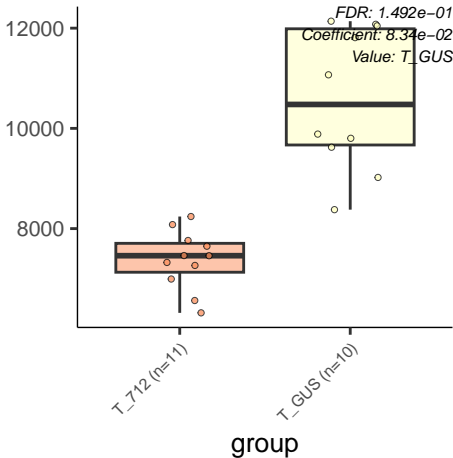
T_GUS (n=10)

group

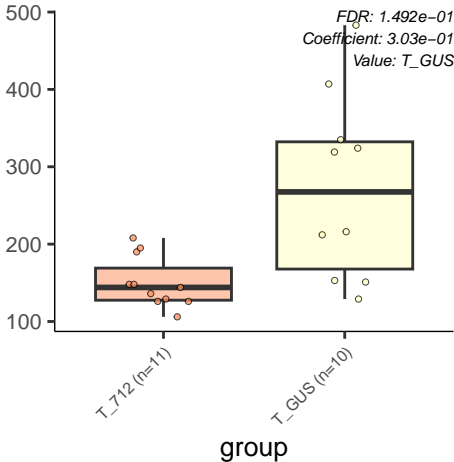
FDR: 1.481e-01
Coefficient: -1.89e-01
Value: T_GUS



GH16.hmm



GH43_23.hmm



GH5_15.hmm

FDR: 1.628e-01

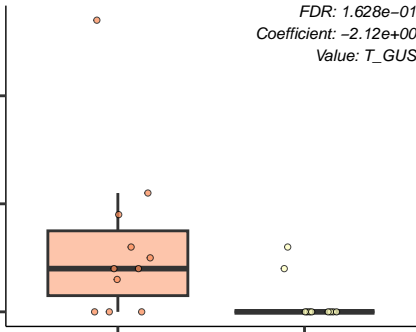
Coefficient: -2.12e+00

Value: T_GUS

T_712 (n=11)

T_GUS (n=10)

group



GT29.hmm

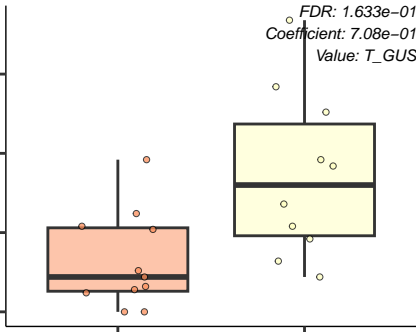
75
50
25
0

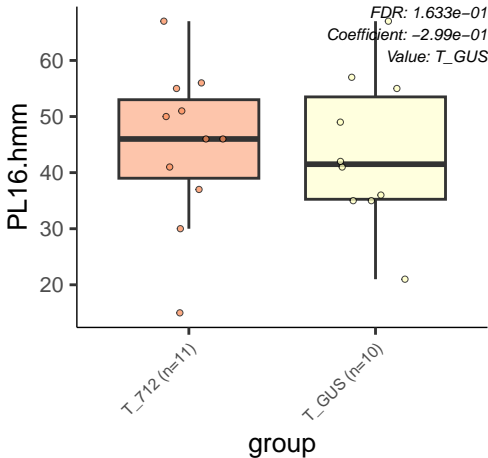
T_712 (n=11)

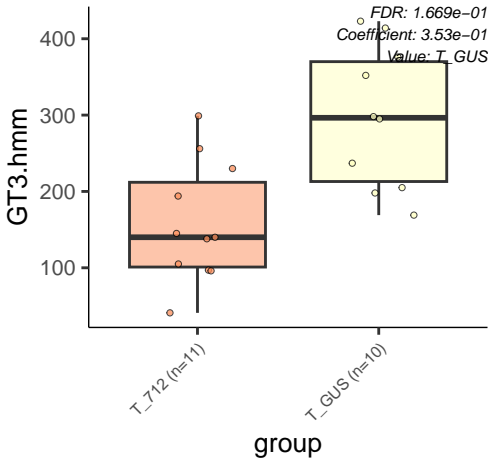
T_GUS (n=10)

group

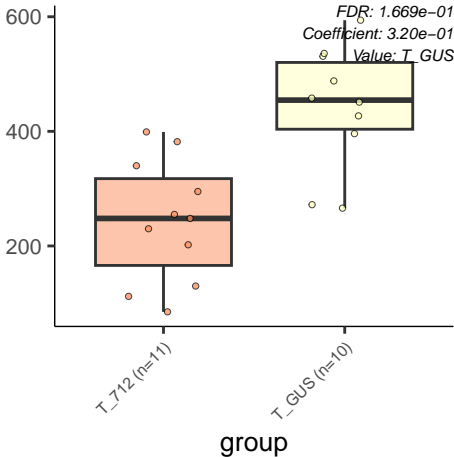
FDR: 1.633e-01
Coefficient: 7.08e-01
Value: T_GUS



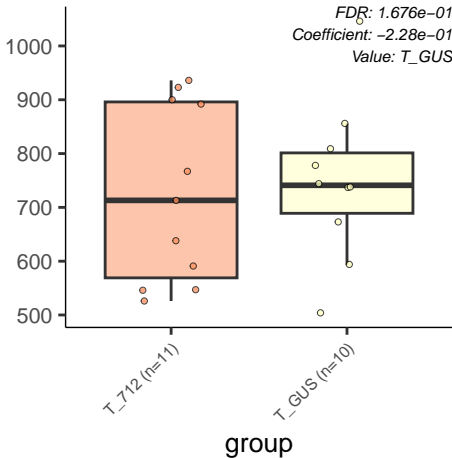




dockerin.hmm



GH104.hmm



GH13_22.hmm

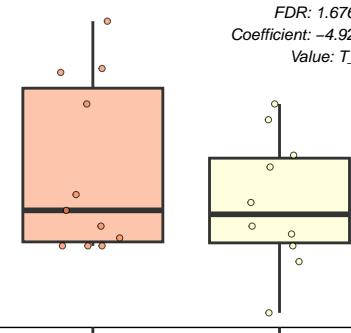
80
60
40
20

T_712 (n=11)

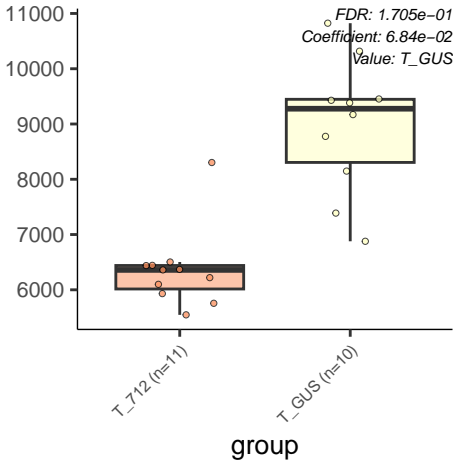
T_GUS (n=10)

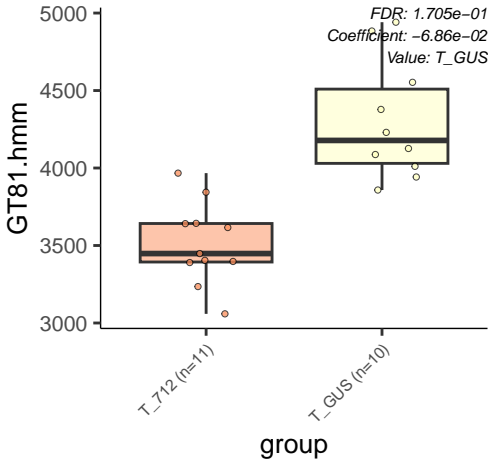
group

FDR: 1.676e-01
Coefficient: -4.92e-01
Value: T_GUS

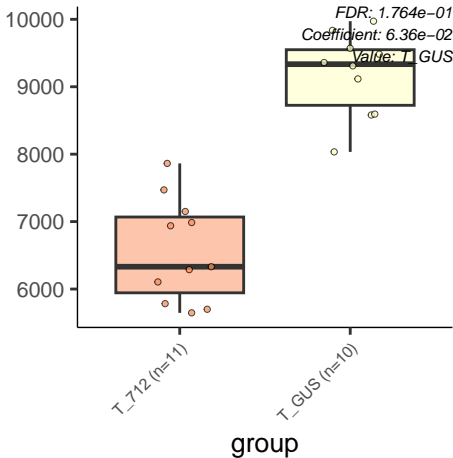


CBM66.hmm





GH13_10.hmm



GT75.hmm

FDR: 1.768e-01

Coefficient: -2.15e-01

Value: T_GUS

250

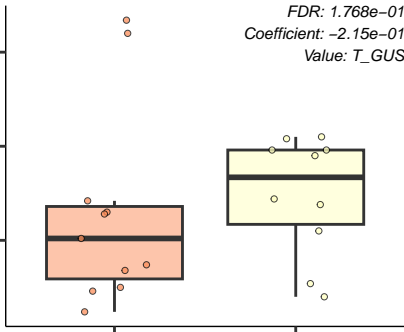
200

150

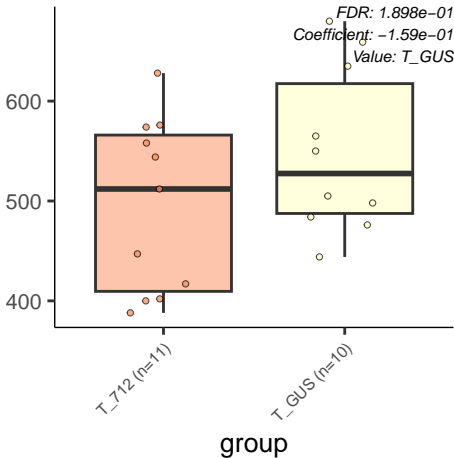
T_712 (n=11)

T_GUS (n=10)

group



GH30_5.hmm



GT13.hmm

300

200

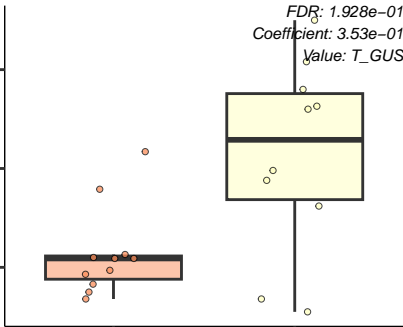
100

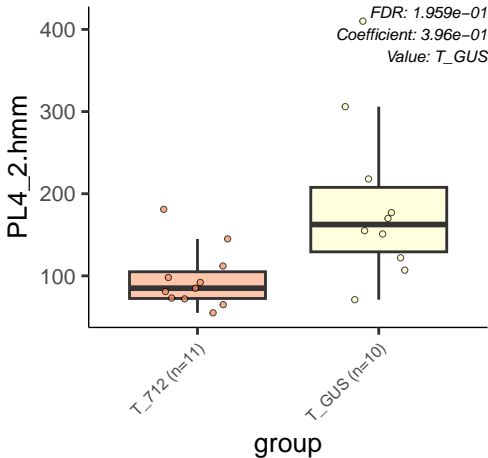
T_712 (n=11)

T_GUS (n=10)

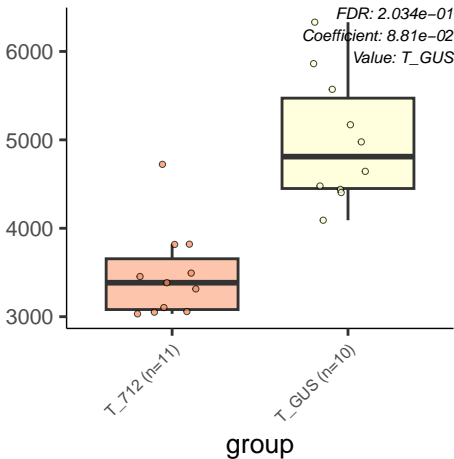
group

FDR: 1.928e-01
Coefficient: 3.53e-01
Value: T_GUS





CBM35.hmm



CE11.hmm

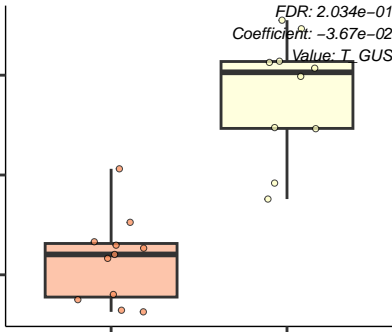
8000
7000
6000

T_712 (n=11)

T_GUS (n=10)

group

FDR: 2.034×10^{-1}
Coefficient: -3.67×10^{-2}
Value: T_GUS



GH43.hmm

FDR: 2.034e-01

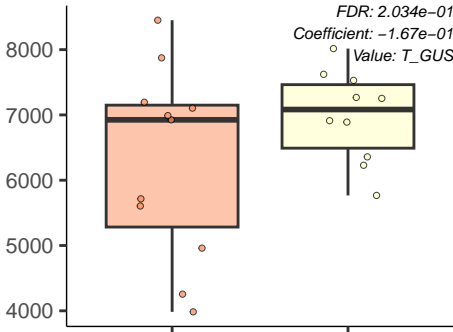
Coefficient: -1.67e-01

Value: T_GUS

T_712 (n=11)

T_GUS (n=10)

group



GH13_40.hmm

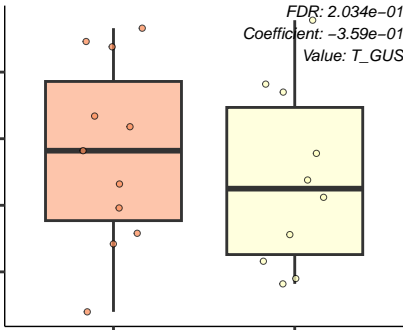
250
200
150
100

T_712 (n=11)

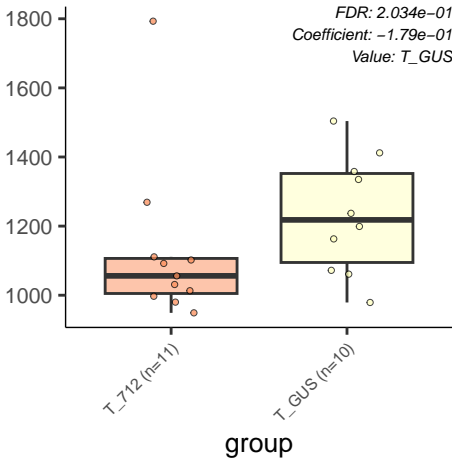
T_GUS (n=10)

group

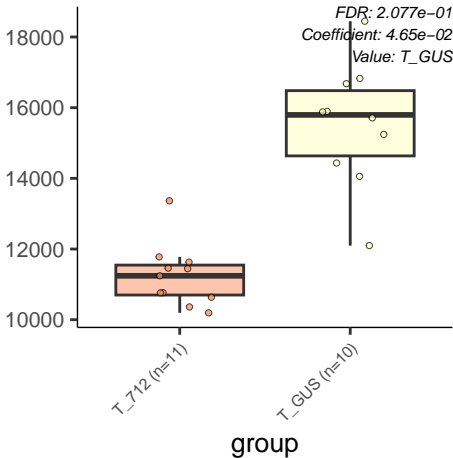
FDR: 2.034e-01
Coefficient: -3.59e-01
Value: T_GUS

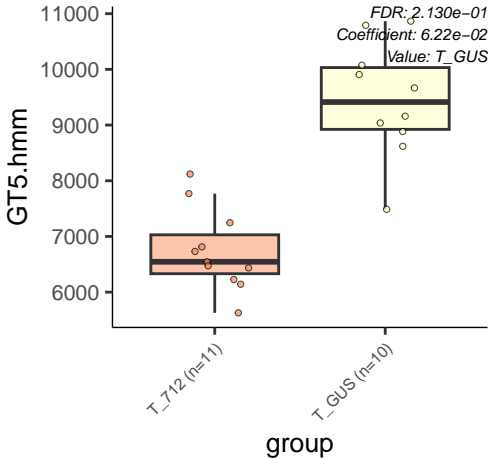


GH43_3.hmm

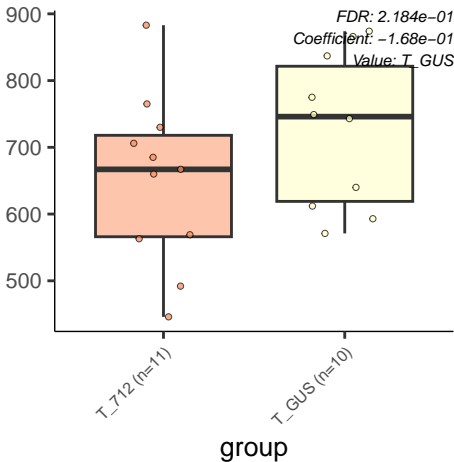


GH95.hmm

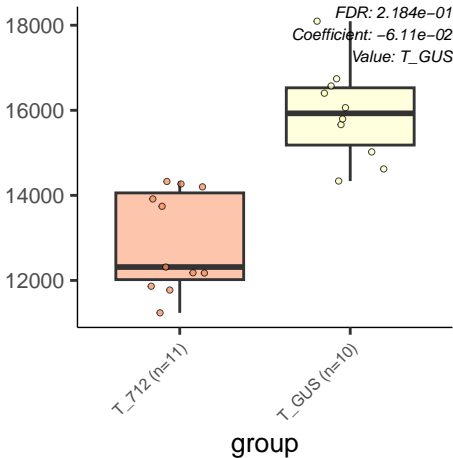




CBM12.hmm



GH103.hmm



GH12.hmm

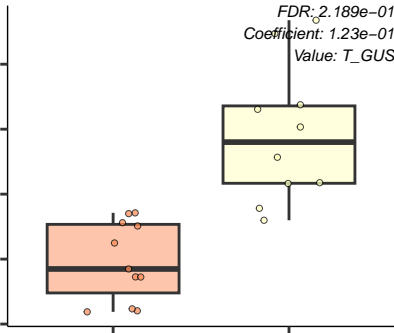
3500
3000
2500
2000
1500

T_712 (n=11)

T_GUS (n=10)

group

FDR: 2.189e-01
Coefficient: 1.23e-01
Value: T_GUS



GH5_28.hmm

FDR: 2.189e-01

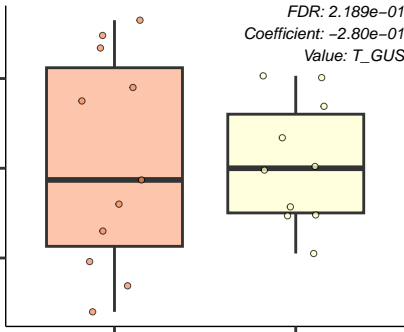
Coefficient: -2.80e-01

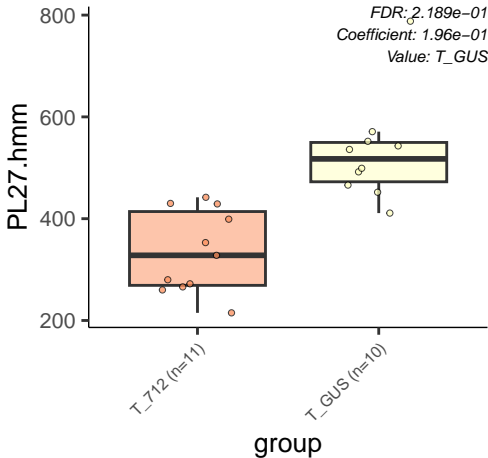
Value: T_GUS

T_712 (n=11)

T_GUS (n=10)

group





GH105.hmm

10000

8000

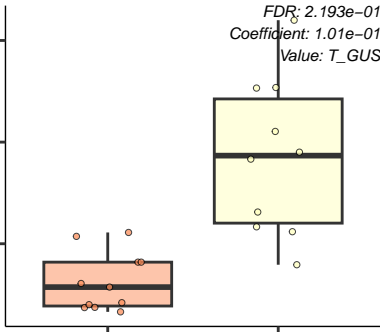
6000

T_712 (n=11)

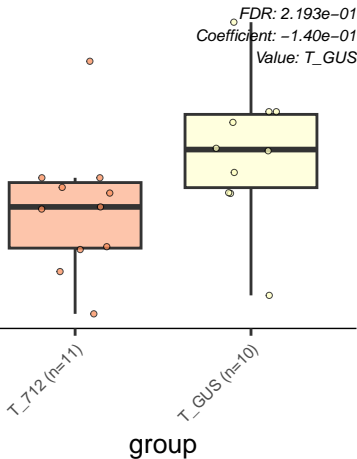
T_GUS (n=10)

group

FDR: 2.193e-01
Coefficient: 1.01e-01
Value: T_GUS



GH120.hmm



GH13_1.hmm

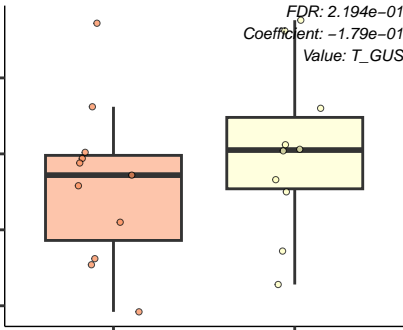
300
250
200
150

T_712 (n=11)

T_GUS (n=10)

group

FDR: 2.194e-01
Coefficient: -1.79e-01
Value: T_GUS



CBM6.hmm

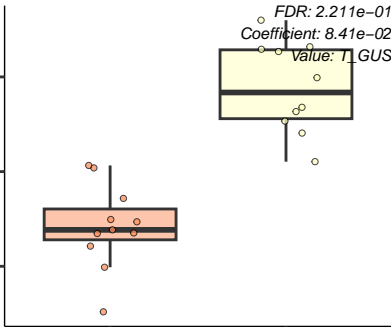
T_712 (n=11)

T_GUS (n=10)

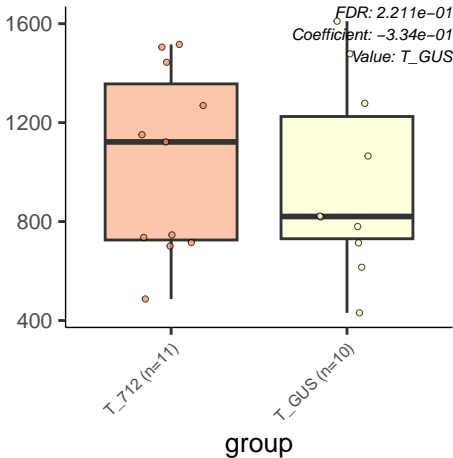
group

FDR: 2.211e-01
Coefficient: 8.41e-02
Value: T_GUS

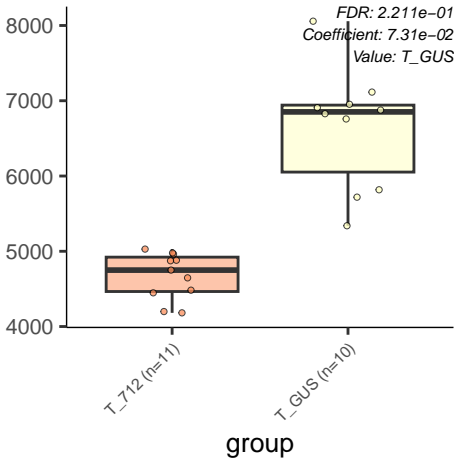
5000
4000
3000



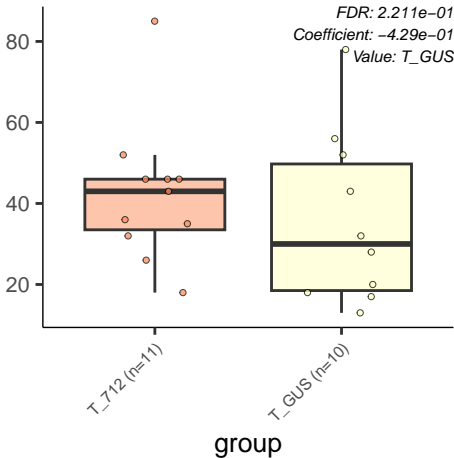
CBM62.hmm

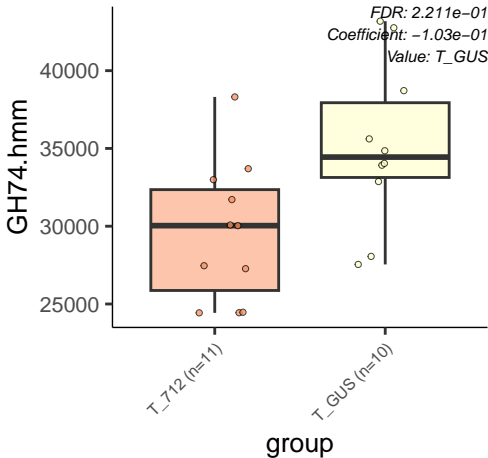


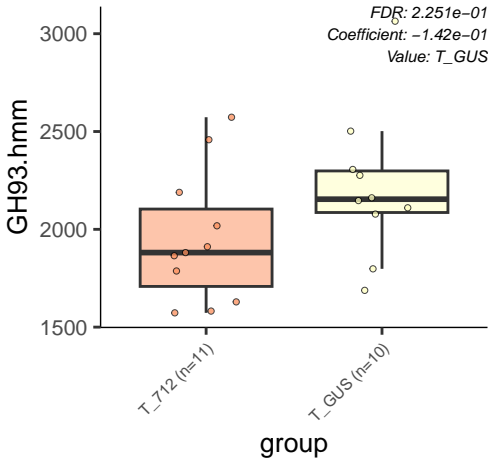
GH119.hmm



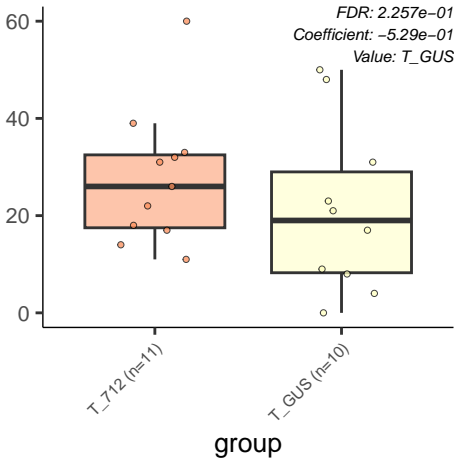
GH72.hmm







GH13_14.hmm



PL7.hmm

100

80

60

40

20

T_712 (n=11)

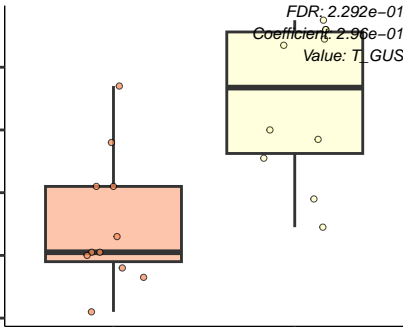
T_GUS (n=10)

group

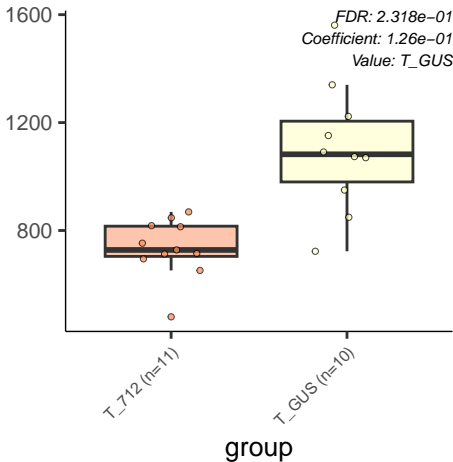
FDR: 2.292e-01

Coefficient: 2.96e-01

Value: T_GUS



GH128.hmm



GH86.hmm

FDR: 2.318e-01

Coefficient: -3.02e+00

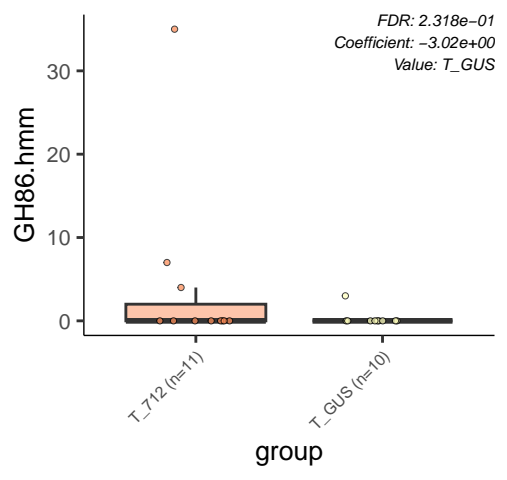
Value: T_GUS

T_712 (n=11)

T_GUS (n=10)

group

30
20
10
0



PL14_5.hmm

FDR: 2.318e-01

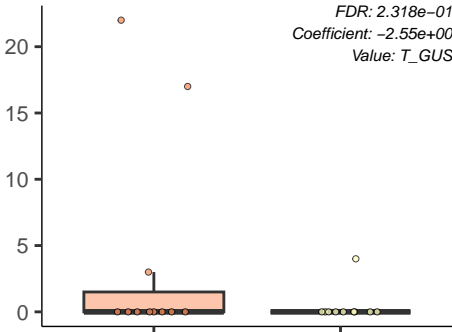
Coefficient: -2.55e+00

Value: T_GUS

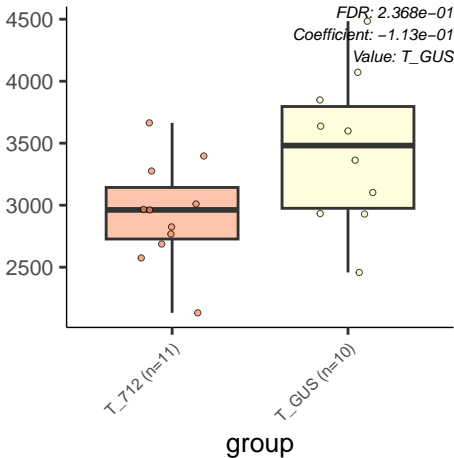
T_712 (n=11)

T_GUS (n=10)

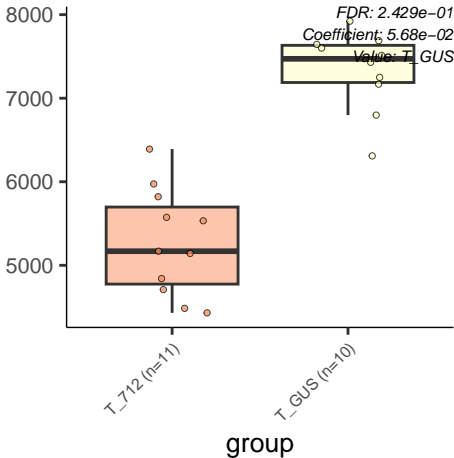
group



GH73.hmm



GH13_26.hmm



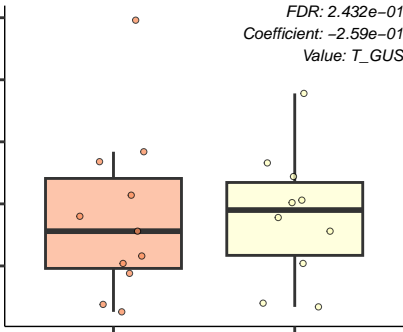
GH5_27.hmm

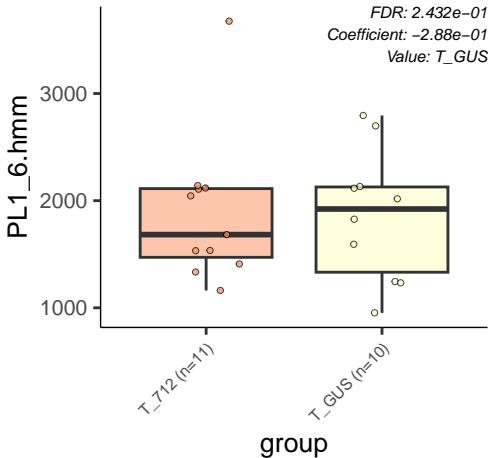
FDR: 2.432e-01
Coefficient: -2.59e-01
Value: T_GUS

T_712 (n=11)

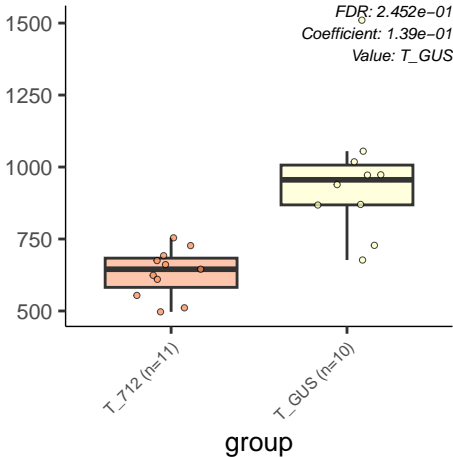
T_GUS (n=10)

group





GH142.hmm



GH39.hmm

14000
12000
10000

T_712 (n=11)

T_GUS (n=10)

group

FDR: 2.488e-01
Coefficient: 4.00e-02
Value: T_GUS

