

Spiribacter.curvatus

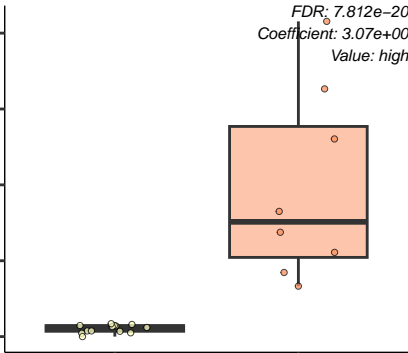
800
600
400
200
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: $7.812e-20$
Coefficient: $3.07e+00$
Value: high



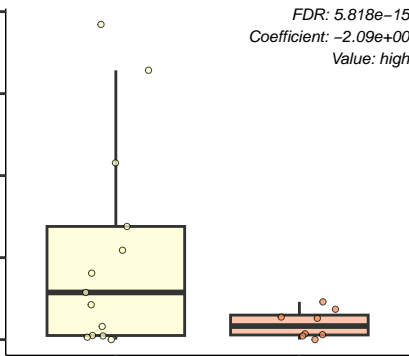
Formosa.sp..Hel1_31_208

FDR: 5.818e-15
Coefficient: -2.09e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Kryptoperidinium.foliaceum

FDR: 2.577e-14
Coefficient: -1.70e+00
Value: high

600

400

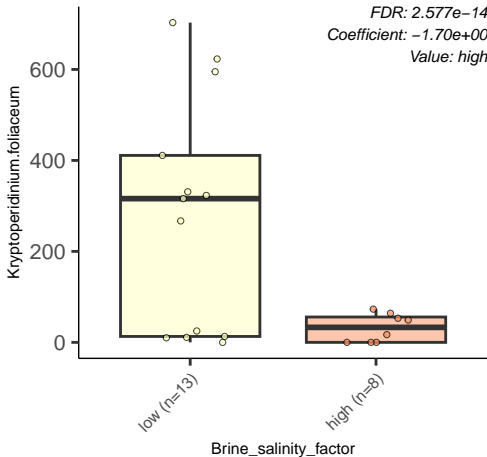
200

0

low (n=13)

high (n=8)

Brine_salinity_factor

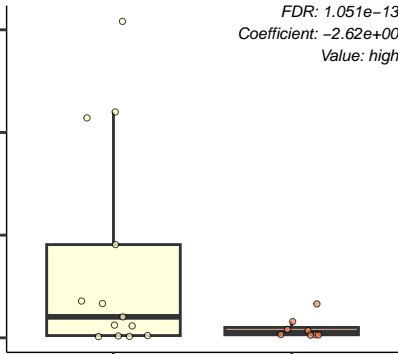


Winogradskyella.sp..PG.2

FDR: 1.051e-13

Coefficient: -2.62e+00

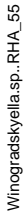
Value: high



low (n=13)

high (n=8)

Brine_salinity_factor



2000

1500

1000

500

0

low ($n=13$)

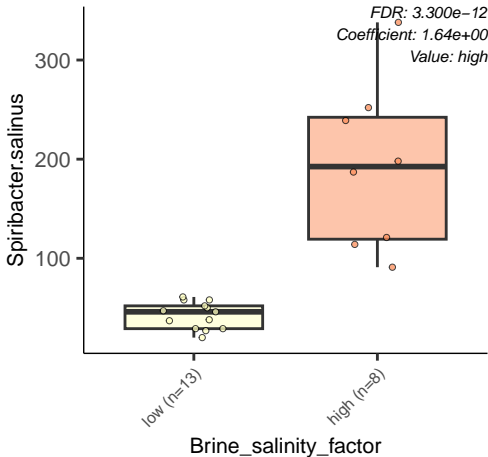
high ($n=8$)

Brine_salinity_factor

FDR: 1.993e-13

Coefficient: $-2.06e+00$

Value: high



Halorubrum.lacusprofundi

FDR: 3.817e-11
Coefficient: 4.42e+00
Value: high

60000

40000

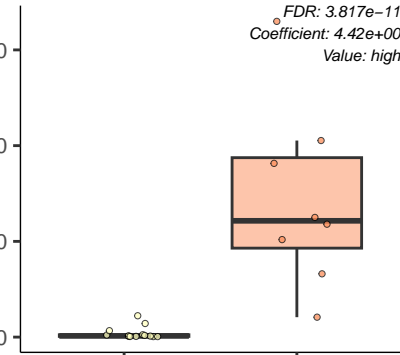
20000

0

low (n=13)

high (n=8)

Brine_salinity_factor



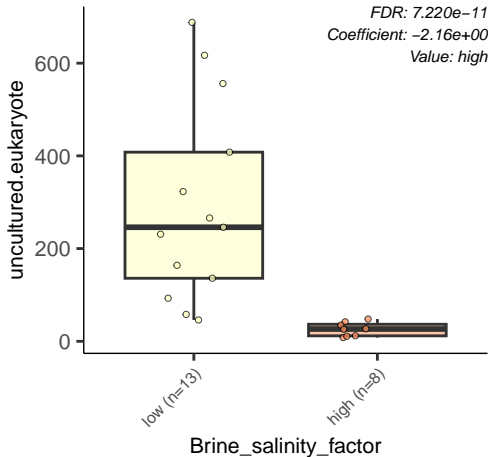
uncultured.eukaryote

FDR: 7.220e-11
Coefficient: -2.16e+00
Value: high

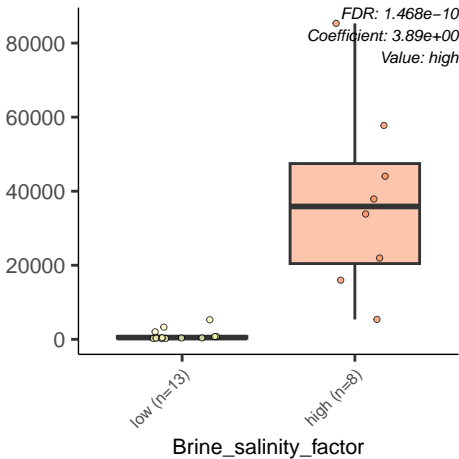
low (n=13)

high (n=8)

Brine_salinity_factor



Halorubrum.trapanicum



Pseudo.nitzschia.multiseriis

FDR: 1.086e-09
Coefficient: -1.59e+00
Value: high

600

400

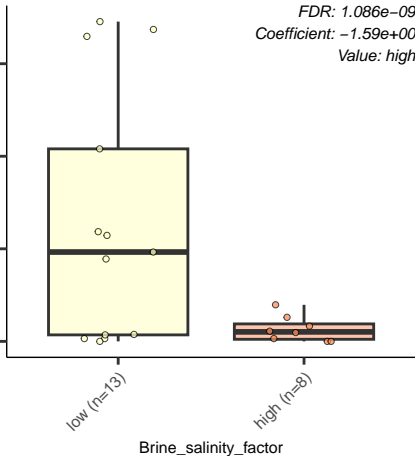
200

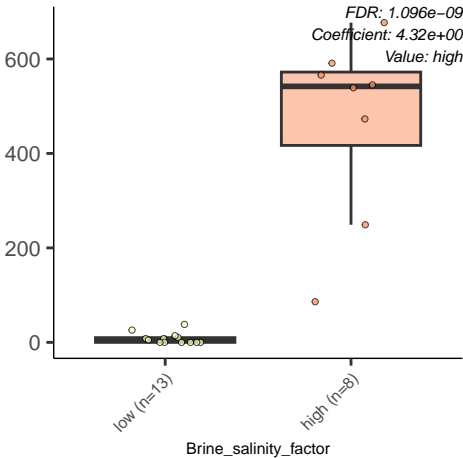
0

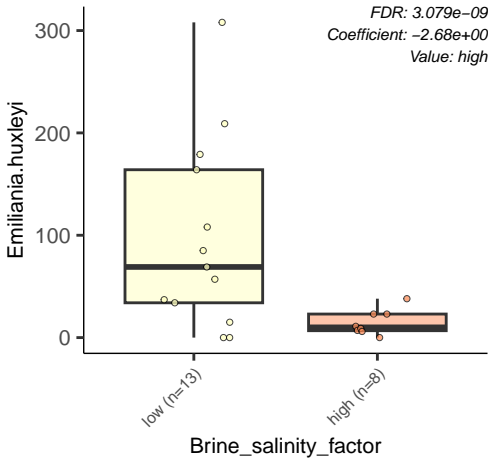
low (n=13)

high (n=8)

Brine_salinity_factor





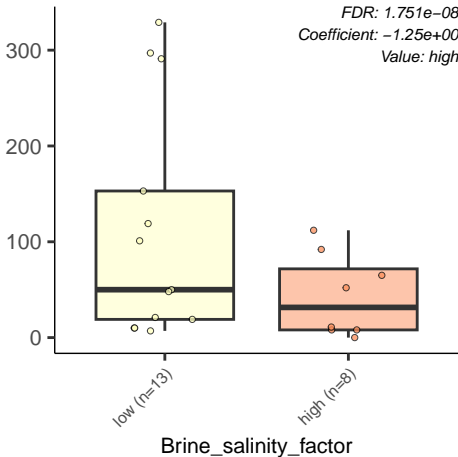


Winogradskyella.sp..PC.19

FDR: 1.751e-08

Coefficient: -1.25e+00

Value: high



uncultured.marine.bacterium

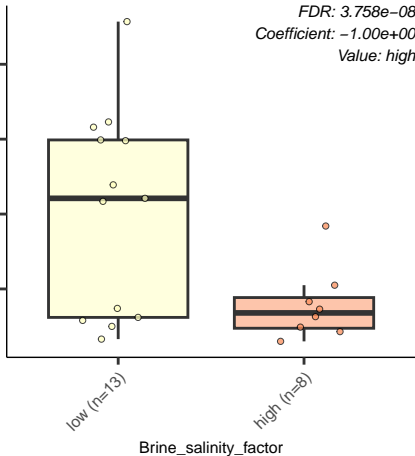
FDR: 3.758e-08
Coefficient: -1.00e+00
Value: high

400
300
200
100

low (n=13)

high (n=8)

Brine_salinity_factor



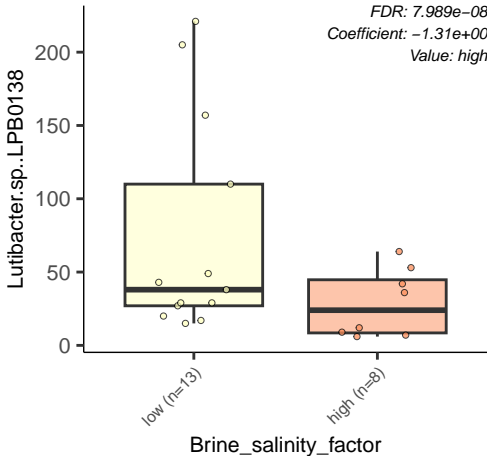
Lutibacter.sp..LPB0138

FDR: $7.989\text{e-}08$
Coefficient: $-1.31\text{e}+00$
Value: high

low (n=13)

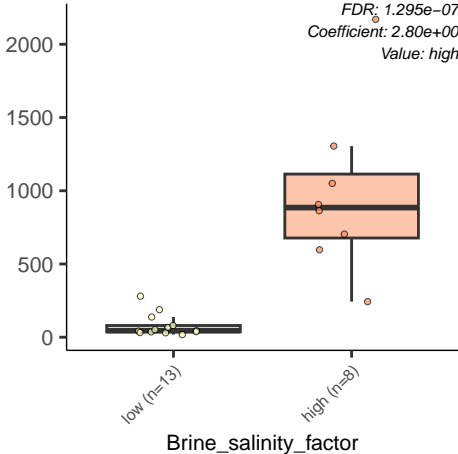
high (n=8)

Brine_salinity_factor



Haloferax.gibbonsii

FDR: 1.295e-07
Coefficient: 2.80e+00
Value: high



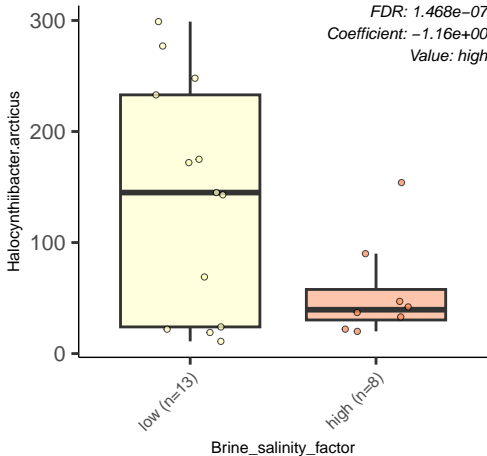
Halocynthiaibacter.arcticus

FDR: 1.468e-07
Coefficient: -1.16e+00
Value: high

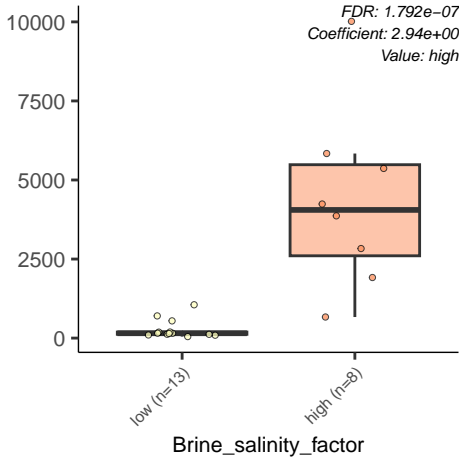
low (n=13)

high (n=8)

Brine_salinity_factor



Halobacterium.hubeiense



Robiginitalea.biformata

1500

1000

500

0

FDR: 2.040e-07

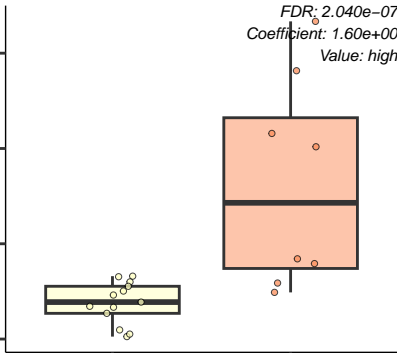
Coefficient: 1.60e+00

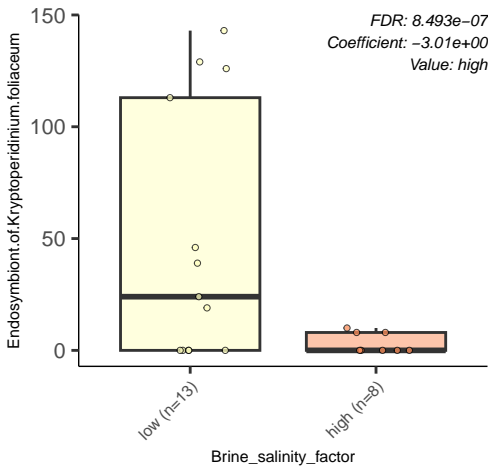
Value: high

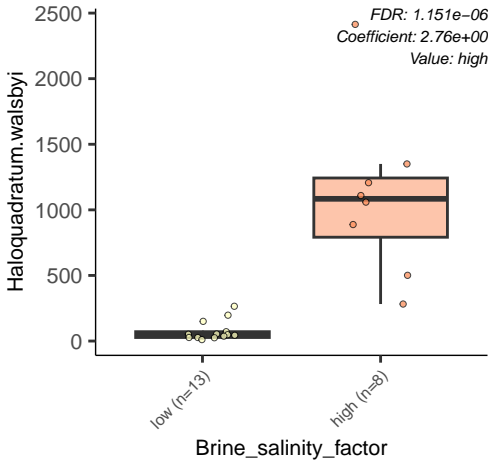
low (n=13)

high (n=8)

Brine_salinity_factor

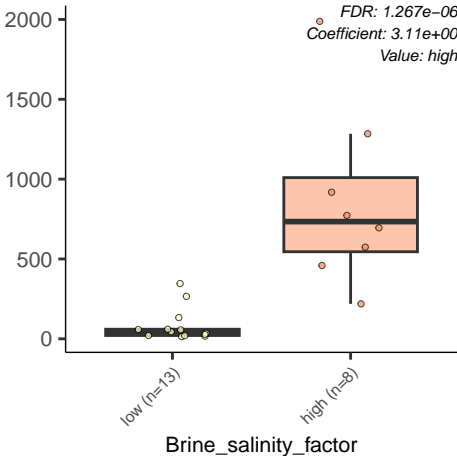


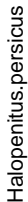




Halomicrobium.mukohataei

FDR: 1.267e-06
Coefficient: 3.11e+00
Value: high

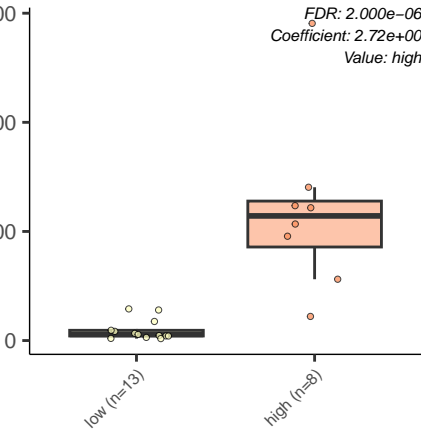




FDR: 2.000e-06

Coefficient: 2.72e+00

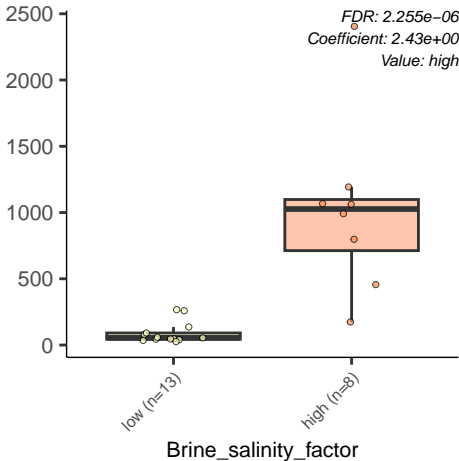
Value: high



low ($n=13$)

high (n=8)

Brine_salinity_factor



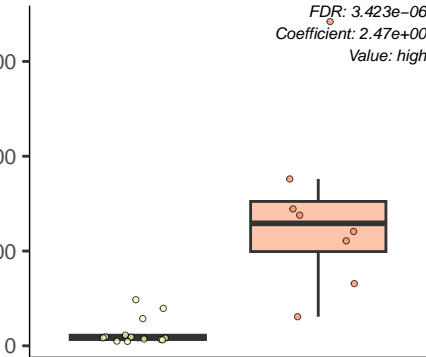
Halogeometricum.borinquense

FDR: 3.423e-06
Coefficient: 2.47e+00
Value: high

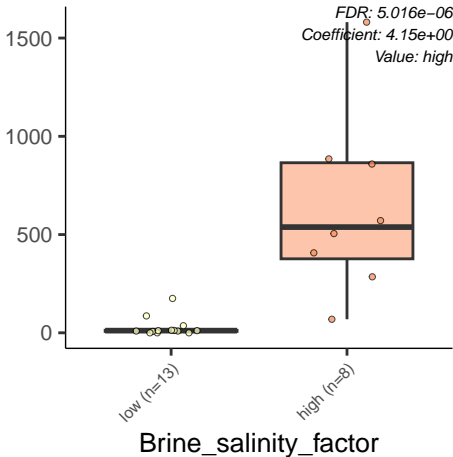
low (n=13)

high (n=8)

Brine_salinity_factor



Halorubrum.sp.



uncultured.marine.eukaryote

FDR: 5.167e-06
Coefficient: -4.65e+00
Value: high

200

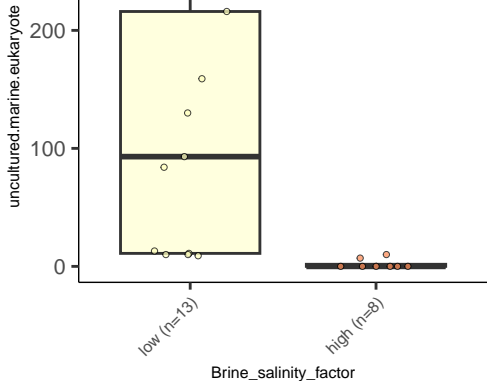
100

0

low (n=13)

high (n=8)

Brine_salinity_factor



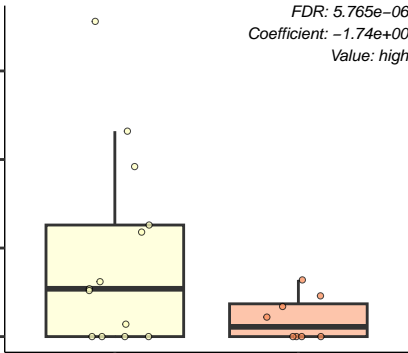
Polaribacter.sp..MED152

FDR: 5.765e-06
Coefficient: -1.74e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Halorubrum.sp..TP0009

1500

1000

500

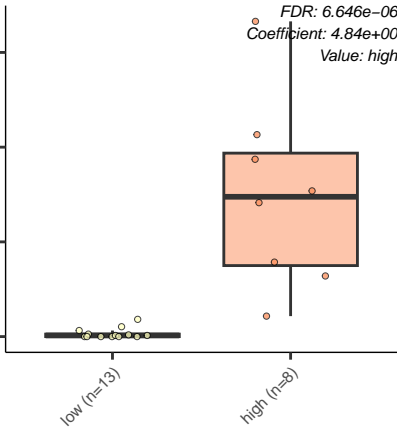
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 6.646e-06
Coefficient: 4.84e+00
Value: high



Halothece.sp..PCC.7418

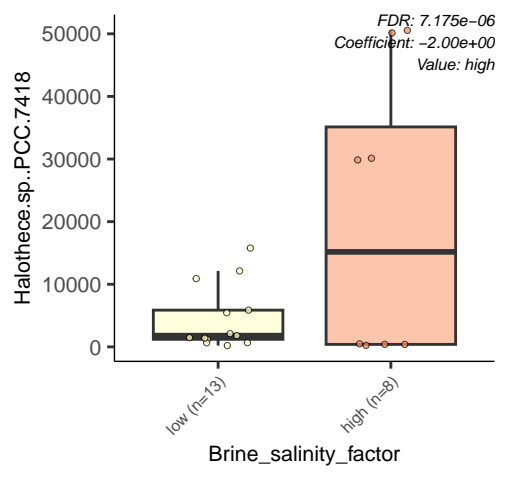
50000
40000
30000
20000
10000
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: $7.175e-06$
Coefficient: $-2.00e+00$
Value: high



Sulfitobacter.sp..AM1.D1

FDR: 8.215e-06

Coefficient: -7.99e-01

Value: high

1500

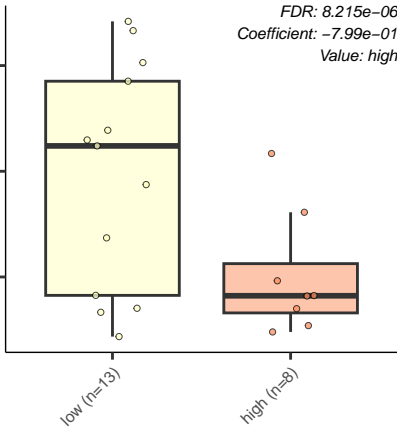
1000

500

low (n=13)

high (n=8)

Brine_salinity_factor



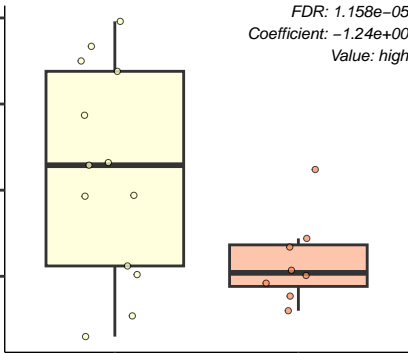
Rhodopirellula.baltica

FDR: $1.158e-05$
Coefficient: $-1.24e+00$
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



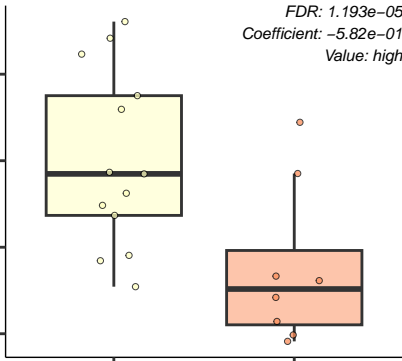
Celeribacter.manganoxidans

FDR: 1.193e-05
Coefficient: -5.82e-01
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Haloarcula.taiwanensis

2000

1000

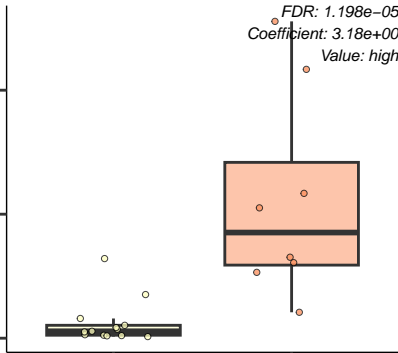
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 1.198e-05
Coefficient: 3.18e+00
Value: high



Ruegeria.sp..PR1b

FDR: 1.240e-05

Coefficient: -1.13e+00

Value: high

600

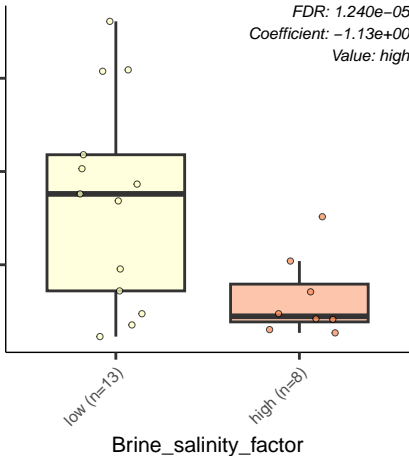
400

200

low (n=13)

high (n=8)

Brine_salinity_factor

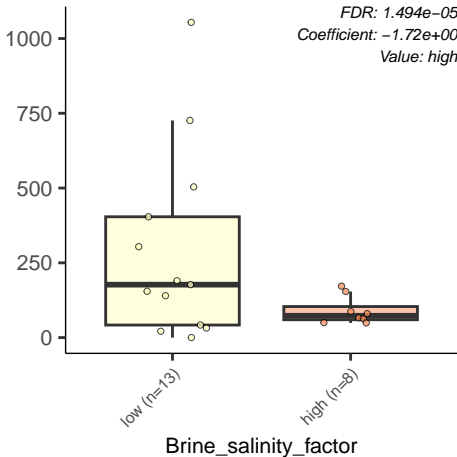


Planktomarina.temperata

FDR: 1.494e-05

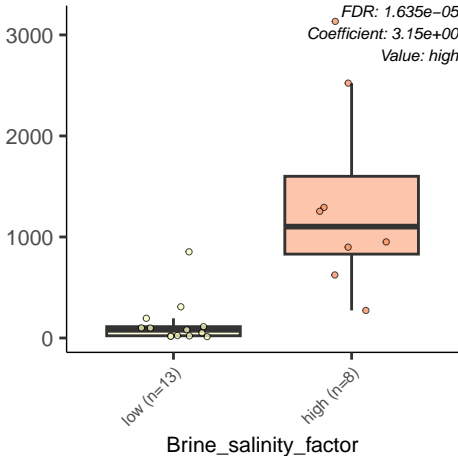
Coefficient: -1.72e+00

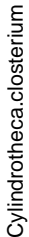
Value: high



Haloarcula.hispanica

FDR: 1.635e-05
Coefficient: 3.15e+00
Value: high

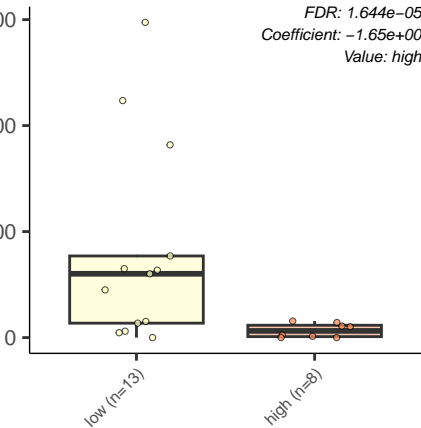




FDR: 1.644e-05

Coefficient: $-1.65e+00$

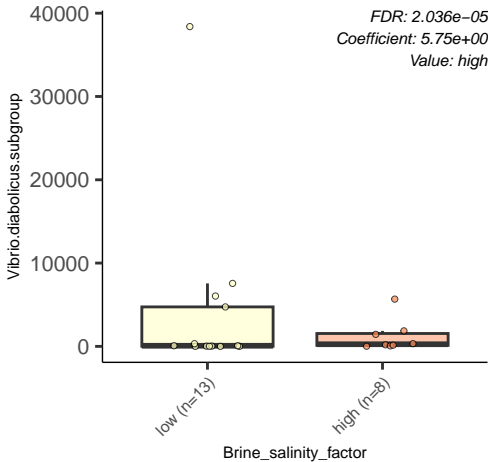
Value: high

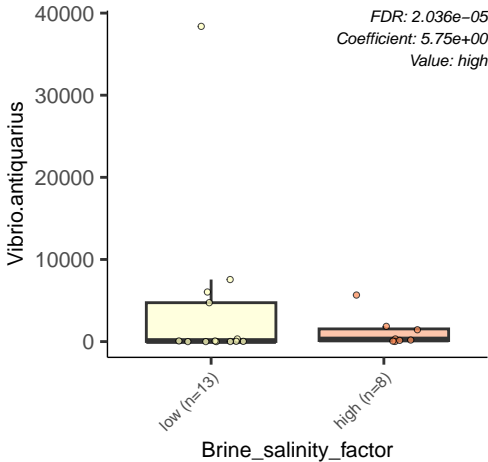


low ($n=13$)

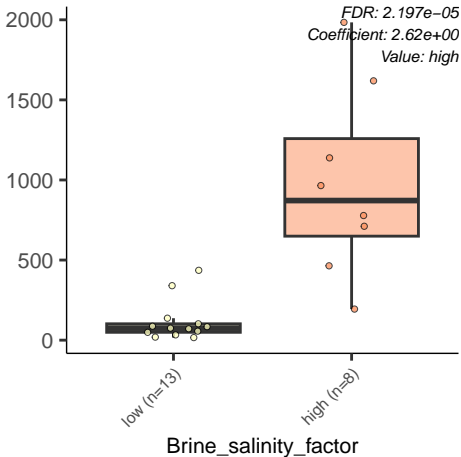
high ($n=8$)

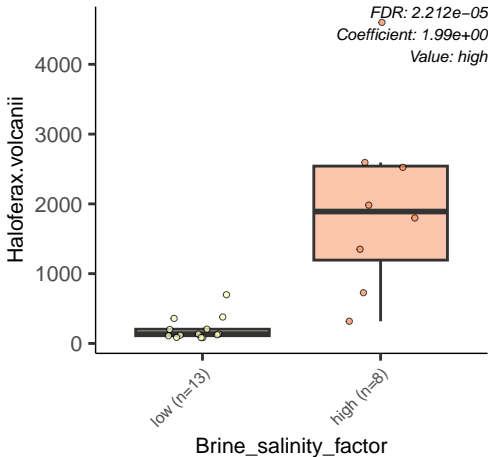
Brine_salinity_factor





uncultured.haloarchaeon





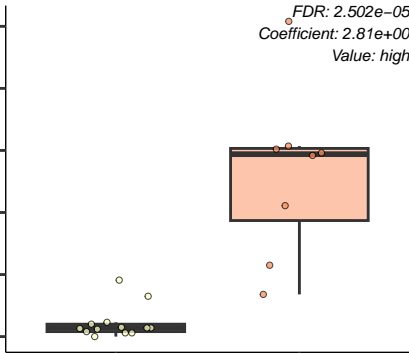
Halalkalicoccus.jeotgali

FDR: 2.502e-05
Coefficient: 2.81e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Natronomonas.pharaonis

FDR: 2.710e-05
Coefficient: 2.58e+00
Value: high

1000

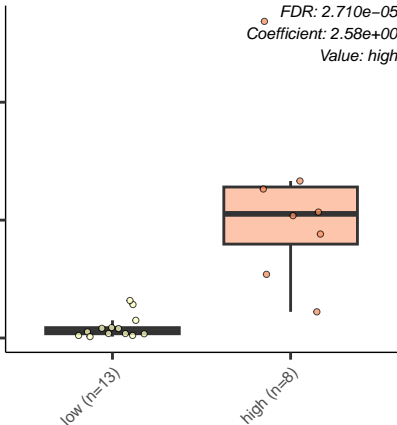
500

0

low (n=13)

high (n=8)

Brine_salinity_factor

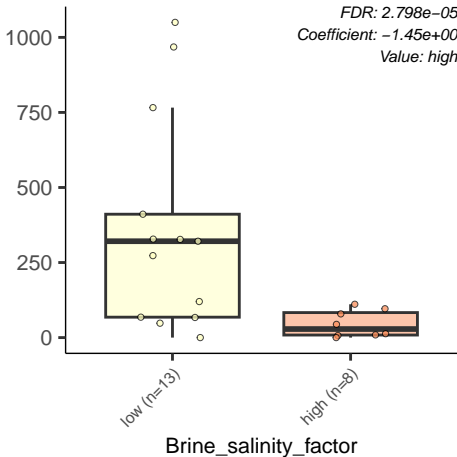


Phaeodactylum.tricornutum

FDR: 2.798e-05

Coefficient: -1.45e+00

Value: high



uncultured.Halobacteria.archaeon

FDR: $3.267e-05$
Coefficient: $4.10e+00$
Value: high

400

300

200

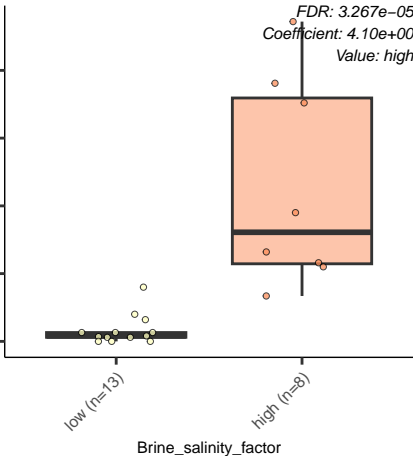
100

0

low (n=13)

high (n=8)

Brine_salinity_factor



Thioclava.nitrateducens

FDR: 3.742e-05

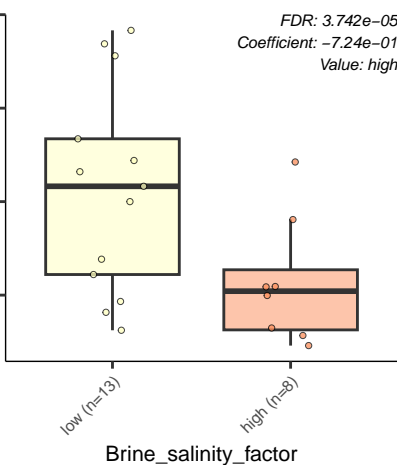
Coefficient: -7.24e-01

Value: high

low (n=13)

high (n=8)

Brine_salinity_factor





low ($n=13$)

high ($n=8$)

Brine_salinity_factor

FDR: 4.213e-05
Coefficient: 4.98e+00
Value: high

Natrinema.pellirubrum

FDR: 4.544e-05
Coefficient: 2.23e+00
Value: high

4000

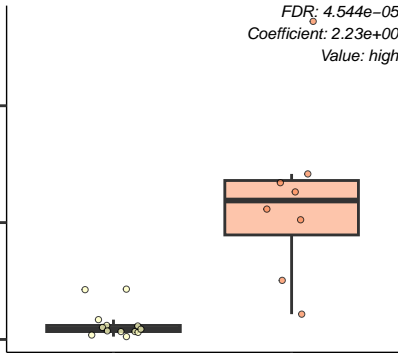
2000

0

low (n=13)

high (n=8)

Brine_salinity_factor



Salinigranum.rubrum

FDR: 5.381e-05
Coefficient: 2.45e+00
Value: high

20000

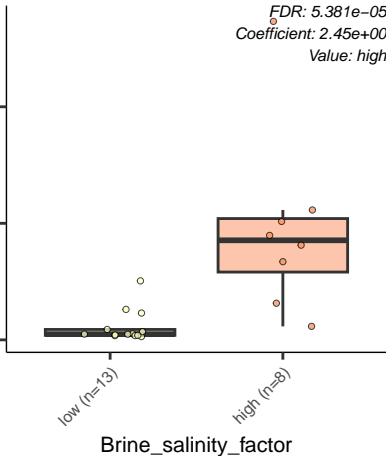
10000

0

low (n=13)

high (n=8)

Brine_salinity_factor



Vibrio.harveyi.group

FDR: 5.605e-05

Coefficient: 4.85e+00

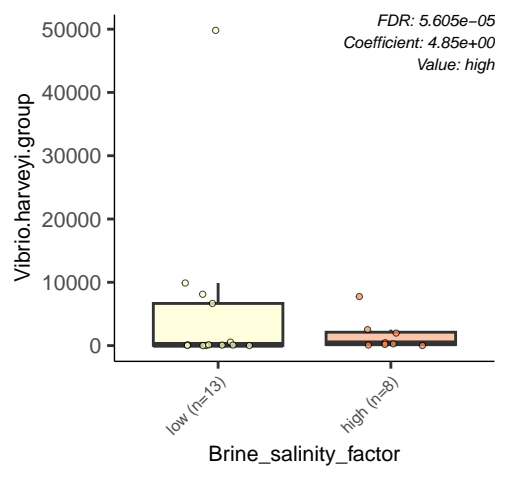
Value: high

50000
40000
30000
20000
10000
0

low (n=13)

high (n=8)

Brine_salinity_factor



Maribacter.sp..1_2014MBL_MicDiv

FDR: $5.966e-05$
Coefficient: $-1.49e+00$
Value: high

600

400

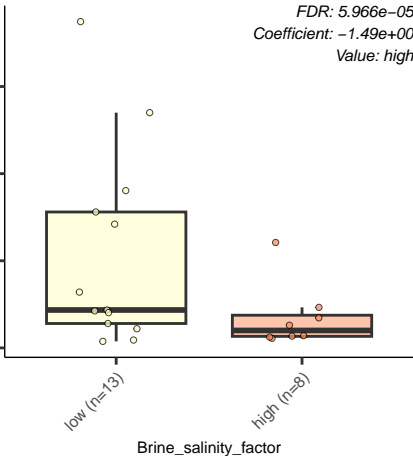
200

0

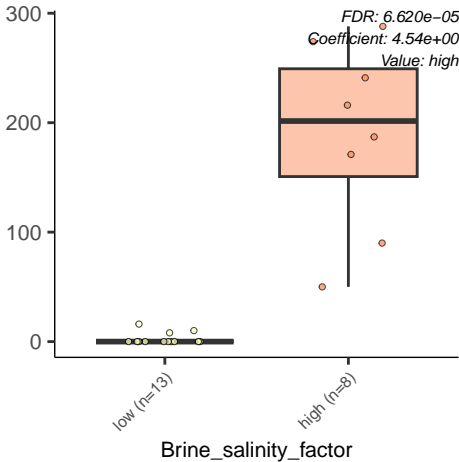
low (n=13)

high (n=8)

Brine_salinity_factor



Acholeplasma.brassicae



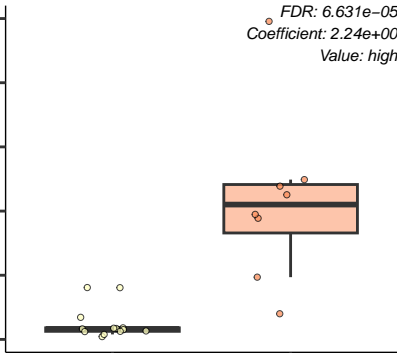
Halobiforma.lacisalsi

FDR: 6.631e-05
Coefficient: 2.24e+00
Value: high

low (n=13)

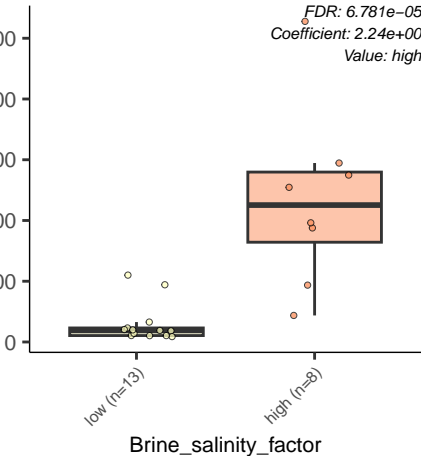
high (n=8)

Brine_salinity_factor



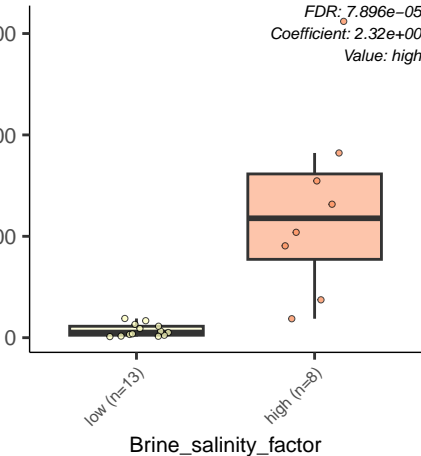
Haloarcula.sp.:CBA1115

FDR: $6.781e-05$
Coefficient: $2.24e+00$
Value: high



Natronomonas.moolapensis

FDR: $7.896e-05$
Coefficient: $2.32e+00$
Value: high

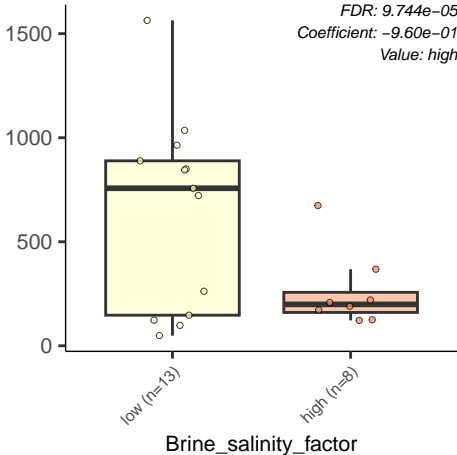


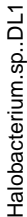
Epibacterium.mobile

FDR: 9.744e-05

Coefficient: -9.60e-01

Value: high

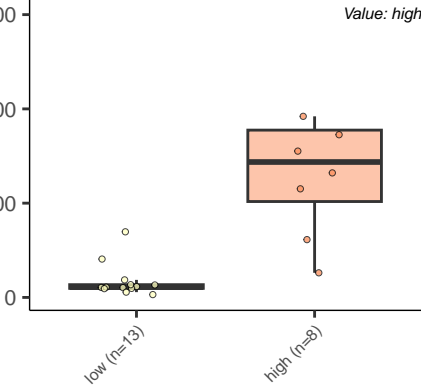




FDR: 1.048e-04

Coefficient: 2.13e+00

Value: high



Brine_salinity_factor

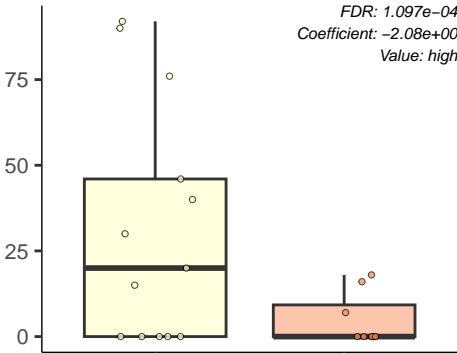
Lacinutrix.sp..Bg11.31

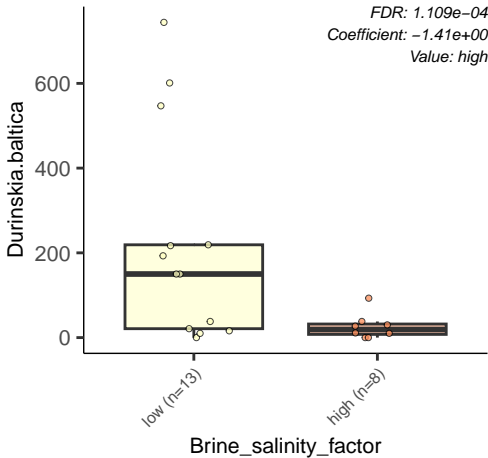
FDR: 1.097e-04
Coefficient: -2.08e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor





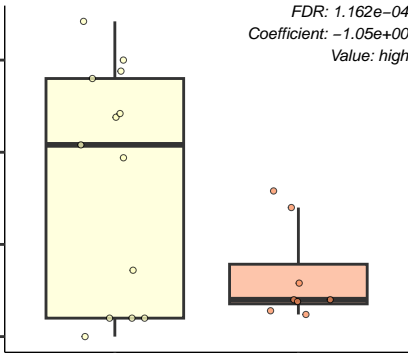
Octadecabacter:temperatus

FDR: 1.162e-04
Coefficient: -1.05e+00
Value: high

low (n=13)

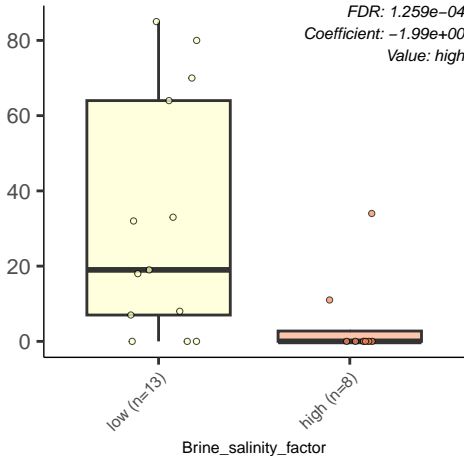
high (n=8)

Brine_salinity_factor



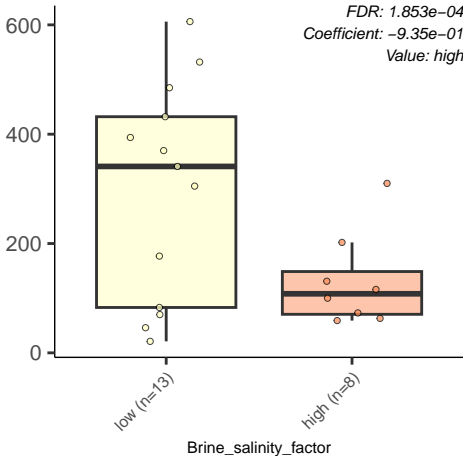
Polaribacter.reichenbachii

FDR: 1.259e-04
Coefficient: -1.99e+00
Value: high



Rhodobacteraceae.bacterium

FDR: 1.853e-04
Coefficient: -9.35e-01
Value: high



Marivirga.tractuosa

FDR: 1.965e-04
Coefficient: -1.87e+00
Value: high

30000

20000

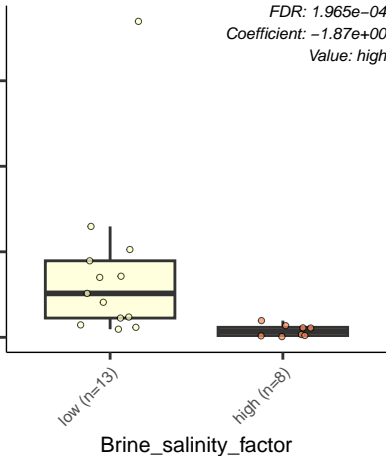
10000

0

low (n=13)

high (n=8)

Brine_salinity_factor



Haloarcula.marismortui

15000

10000

5000

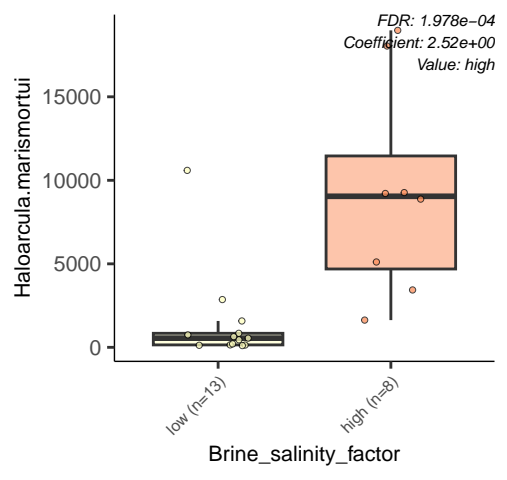
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 1.978e-04
Coefficient: 2.52e+00
Value: high



uncultured.archaeon

FDR: 2.086e-04
Coefficient: 1.64e+00
Value: high

3000

2000

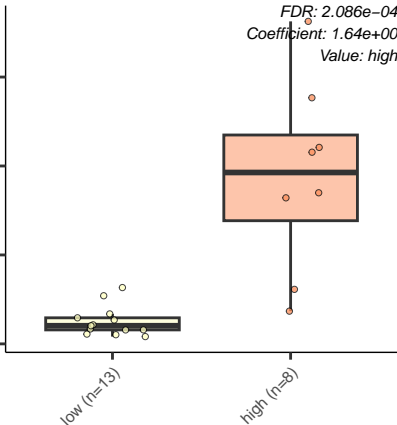
1000

0

low (n=13)

high (n=8)

Brine_salinity_factor



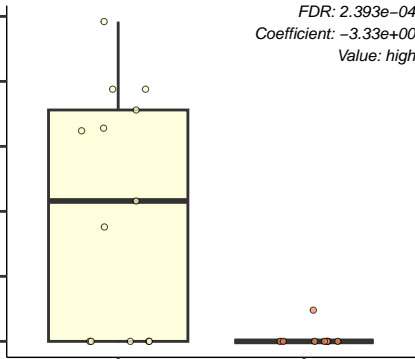
Tigriopus.cf..fulvus.BMR.2008

FDR: 2.393e-04
Coefficient: -3.33e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Halobacterium.salinarum

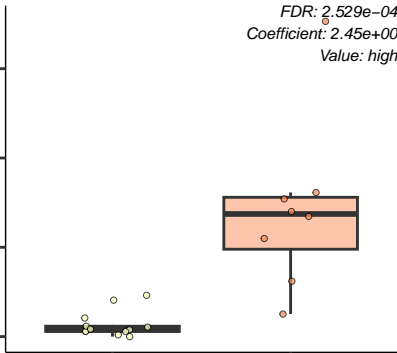
FDR: 2.529e-04
Coefficient: 2.45e+00
Value: high

1500
1000
500
0

low (n=13)

high (n=8)

Brine_salinity_factor



Olleya.sp..Bg11.27

FDR: 2.719e-04

Coefficient: -1.77e+00

Value: high

90

60

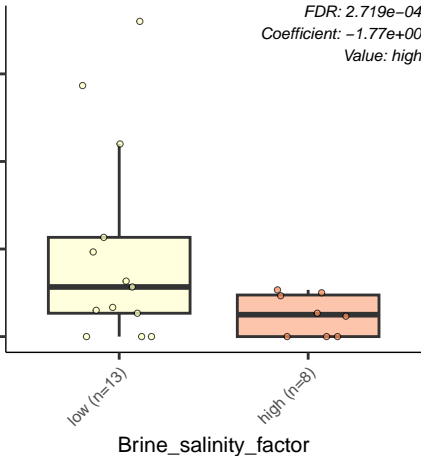
30

0

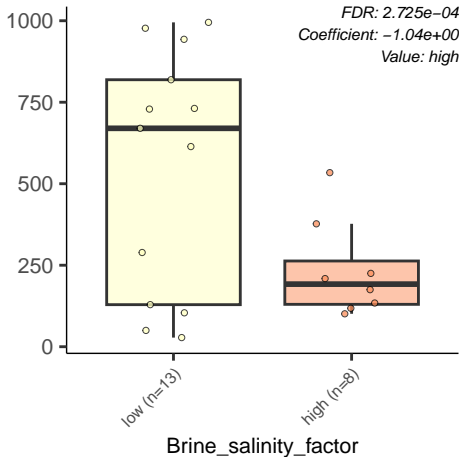
low (n=13)

high (n=8)

Brine_salinity_factor



Roseobacter.denitrificans



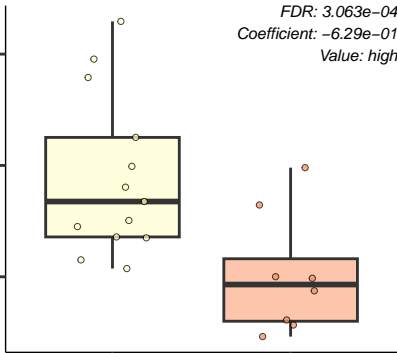
Rhodovulum.sp..P5

FDR: 3.063e-04
Coefficient: -6.29e-01
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Spingopyxis.macrogoltabida

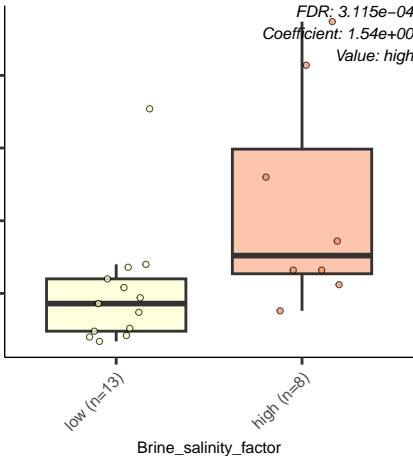
200
150
100
50

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: $3.115e-04$
Coefficient: $1.54e+00$
Value: high



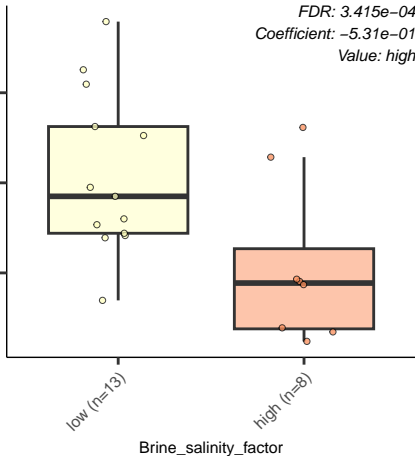
Leisingera.methylohalidivorans

FDR: $3.415e-04$
Coefficient: $-5.31e-01$
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor





FDR: 3.607e-04
Coefficient: 3.36e+00
Value: high



Brine_salinity_factor

Natrinema.sp..J7.2

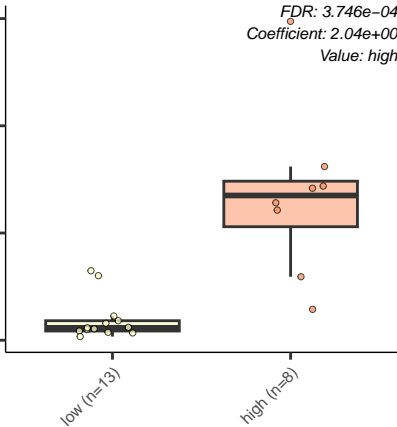
FDR: 3.746e-04
Coefficient: 2.04e+00
Value: high

1500
1000
500
0

low (n=13)

high (n=8)

Brine_salinity_factor



Muricauda.lutaonensis

300

200

100

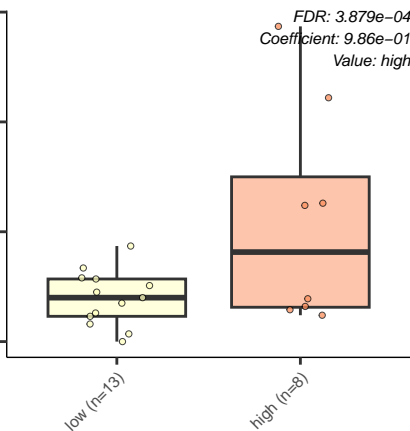
0

low (n=13)

high (n=8)

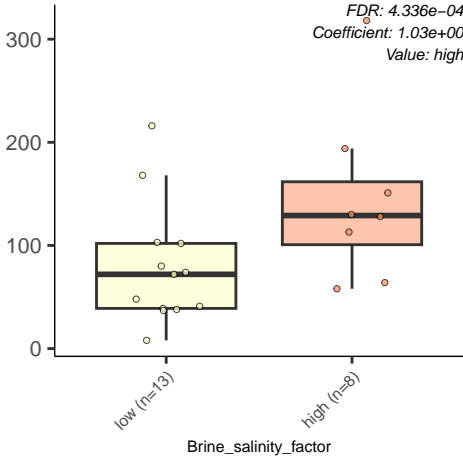
Brine_salinity_factor

FDR: 3.879e-04
Coefficient: 9.86e-01
Value: high



Cyclobacterium.amurskyense

FDR: 4.336e-04
Coefficient: 1.03e+00
Value: high



Halorubrum.coriense

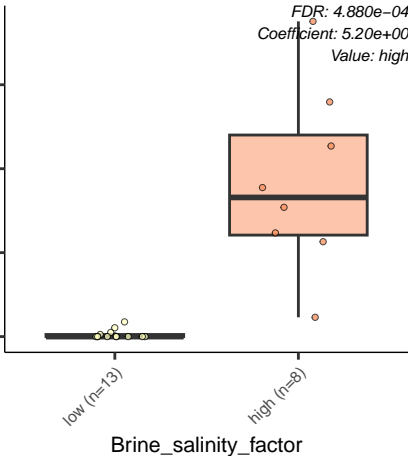
600
400
200
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 4.880e-04
Coefficient: 5.20e+00
Value: high



Lacinutrix.sp..5H.3.7.4

FDR: 5.497e-04

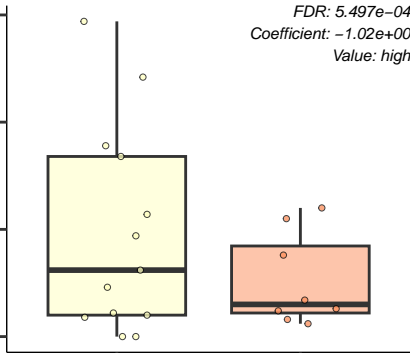
Coefficient: -1.02e+00

Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Halopiger.xanaduensis

FDR: 5.694e-04
Coefficient: 2.15e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor

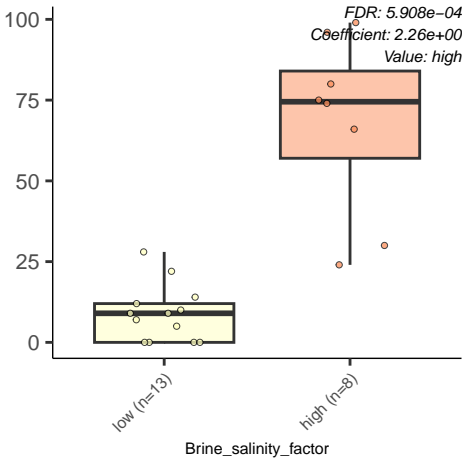
1500

1000

500

0

uncultured.Firmicutes.bacterium



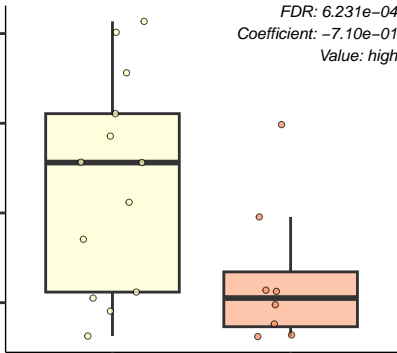
Dinoroseobacter.shibae

FDR: 6.231e-04
Coefficient: -7.10e-01
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



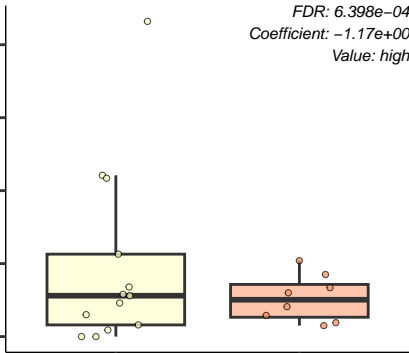
Roseobacter.sp..KT1117

FDR: 6.398e-04
Coefficient: -1.17e+00
Value: high

low (n=13)

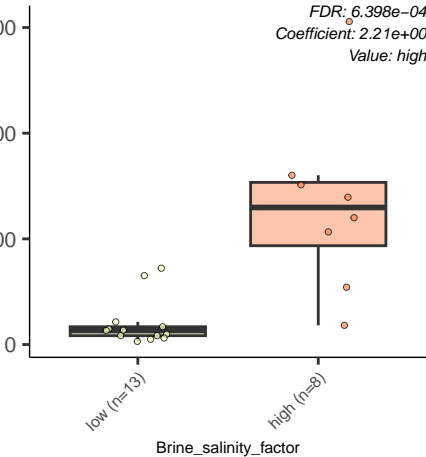
high (n=8)

Brine_salinity_factor



Salinarchaeum.sp..Harcht.Bsk1

FDR: 6.398e-04
Coefficient: 2.21e+00
Value: high



Desulfuromonas.sp..DDH964

100

50

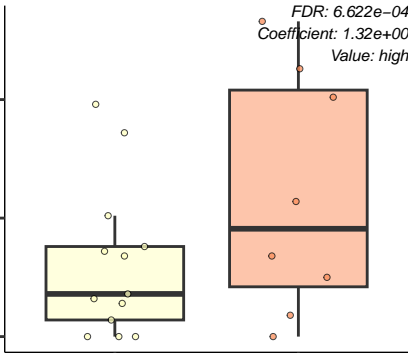
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 6.622e-04
Coefficient: 1.32e+00
Value: high



Halobacteroides.halobius

900

600

300

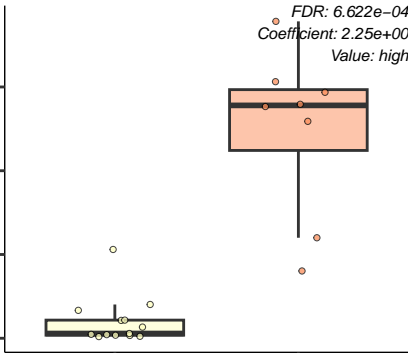
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 6.622e-04
Coefficient: 2.25e+00
Value: high



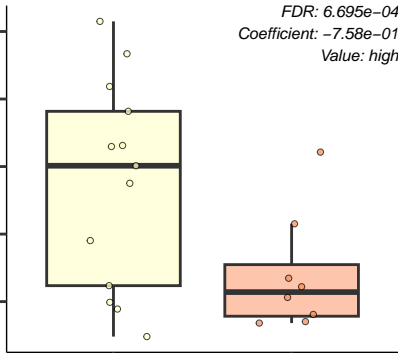
Marinovum.algicola

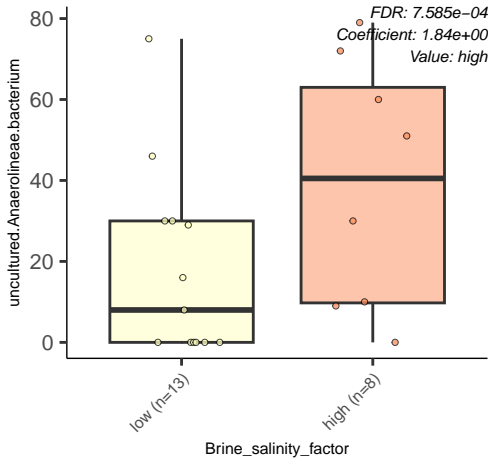
FDR: 6.695e-04
Coefficient: -7.58e-01
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor





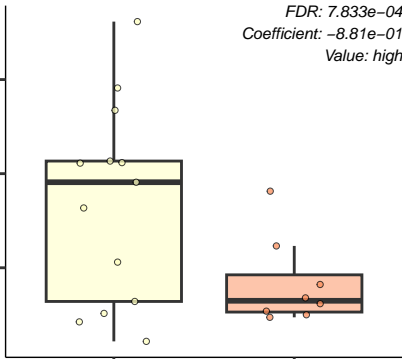
Confluentimicrobium.sp..EMB200.NS6

FDR: 7.833e-04
Coefficient: -8.81e-01
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Pelobacter.sp..SFB93

200

150

100

50

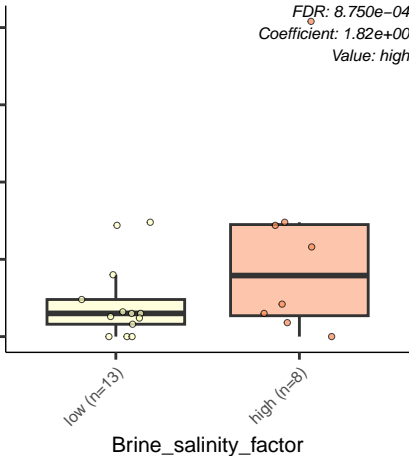
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 8.750e-04
Coefficient: 1.82e+00
Value: high



Nonlabens.spongiae

FDR: $9.662e-04$

Coefficient: $-1.19e+00$

Value: high

200

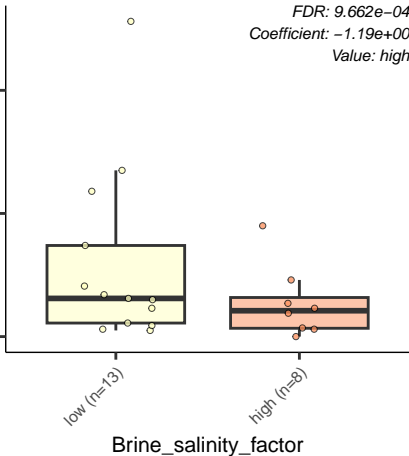
100

0

low (n=13)

high (n=8)

Brine_salinity_factor



Polymorphum.gilvum

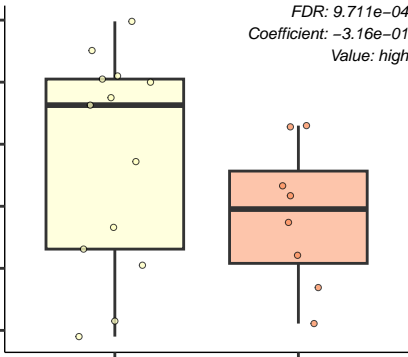
800
700
600
500
400
300

FDR: 9.711e-04
Coefficient: -3.16e-01
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



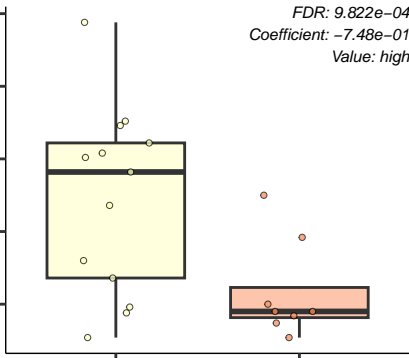
Ruegeria.sp..TM1040

FDR: $9.822e-04$
Coefficient: $-7.48e-01$
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Haliscomenobacter.hydrossis

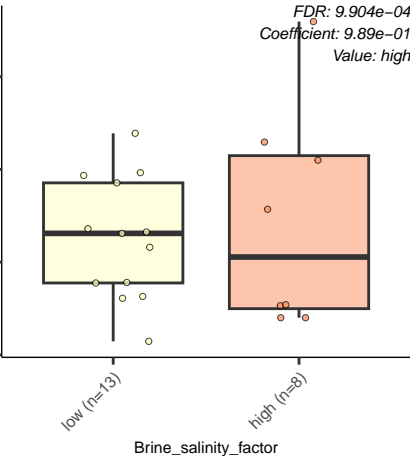
FDR: 9.904e-04
Coefficient: 9.89e-01
Value: high

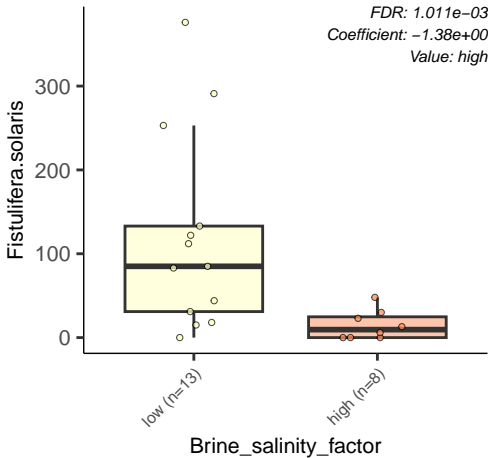
600
400
200
0

low (n=13)

high (n=8)

Brine_salinity_factor





Litorilinea.aerophila

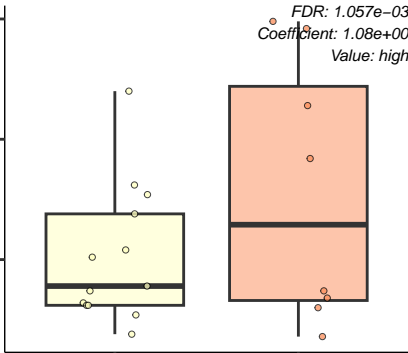
150
100
50

low (n=13)

high (n=8)

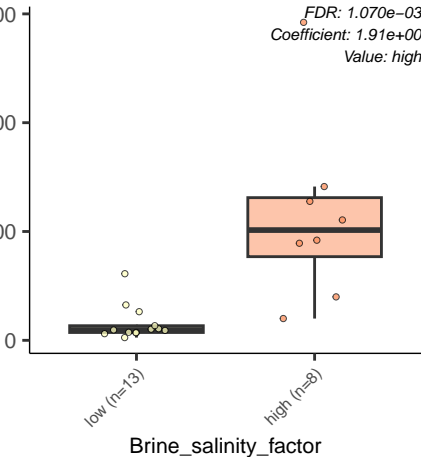
Brine_salinity_factor

FDR: 1.057e-03
Coefficient: 1.08e+00
Value: high



Haloferax.mediterranei

FDR: 1.070e-03
Coefficient: 1.91e+00
Value: high



Porphyrobacter.neustonensis

100

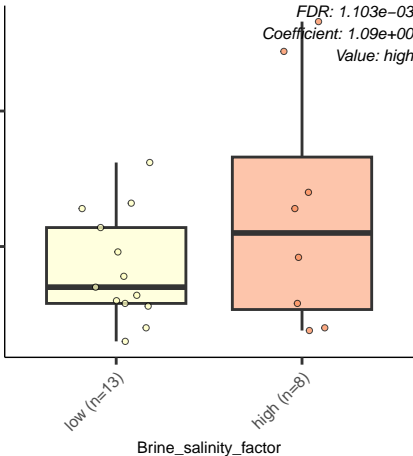
50

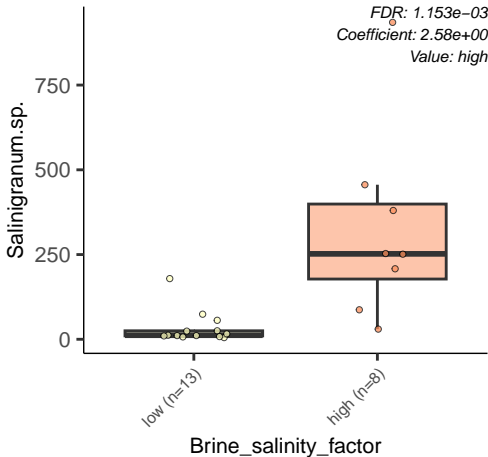
low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 1.103e-03
Coefficient: 1.09e+00
Value: high





Pelobacter.carbinolicus

60

40

20

0

low (n=13)

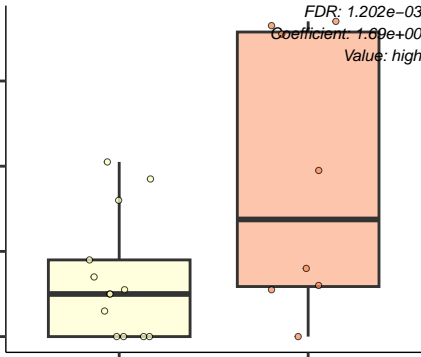
high (n=8)

Brine_salinity_factor

FDR: 1.202e-03

Coefficient: 1.69e+00

Value: high



Halorhabdus.tiamatea

FDR: 1.210e-03
Coefficient: 1.74e+00
Value: high

9000

6000

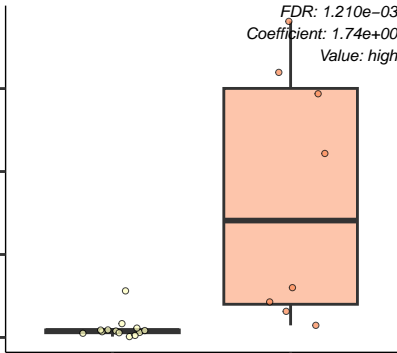
3000

0

low (n=13)

high (n=8)

Brine_salinity_factor



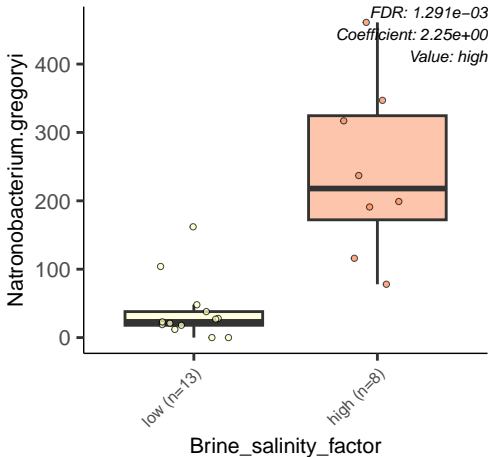
Natronobacterium.gregoryi

FDR: 1.291e-03
Coefficient: 2.25e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Sedimenticola.thiotaaurini

FDR: 1.325e-03

Coefficient: -1.08e+00

Value: high

100

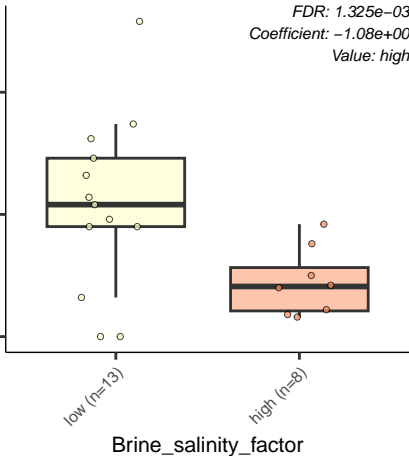
50

0

low (n=13)

high (n=8)

Brine_salinity_factor



Prosthecochloris.sp..CIB.2401

FDR: 1.348e-03
Coefficient: 3.21e+00
Value: high

200

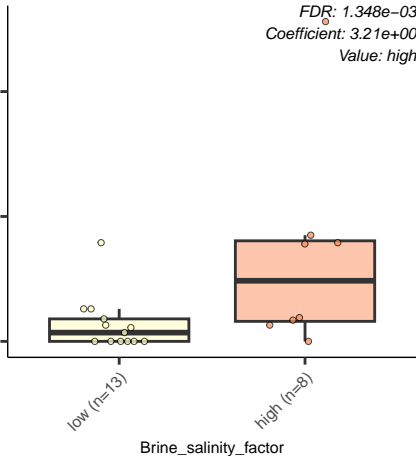
100

0

low (n=13)

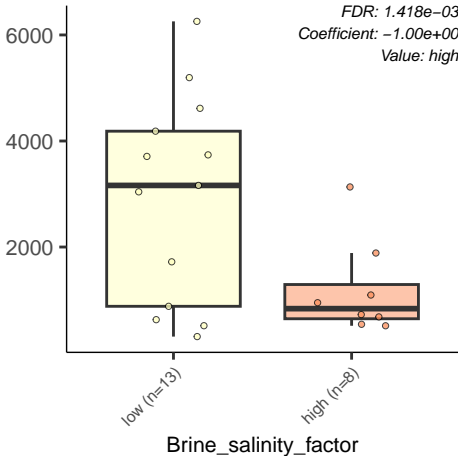
high (n=8)

Brine_salinity_factor



Phaeobacter.inhibens

FDR: 1.418e-03
Coefficient: -1.00e+00
Value: high



Haloterrigena.turkmenica

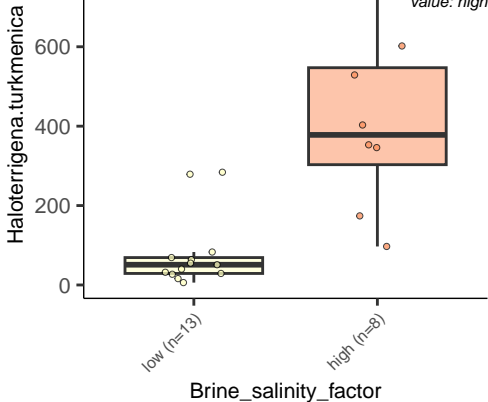
800
600
400
200
0

low (n=13)

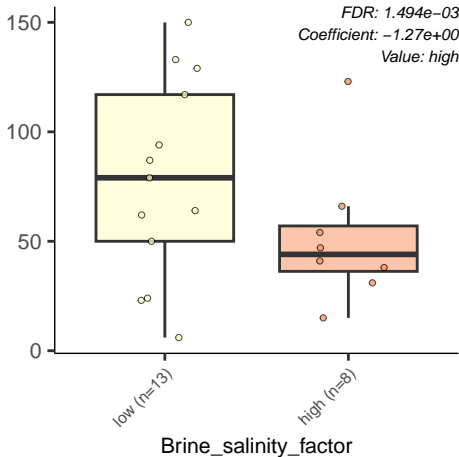
high (n=8)

Brine_salinity_factor

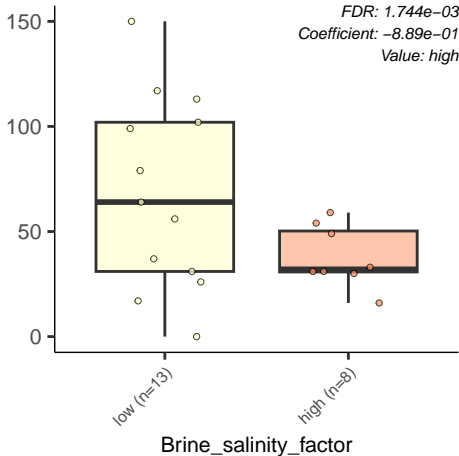
FDR: 1.443e-03
Coefficient: 2.14e+00
Value: high



planctomycete.str..139



Celeribacter.marinus



uncultured.euryarchaeote

400

200

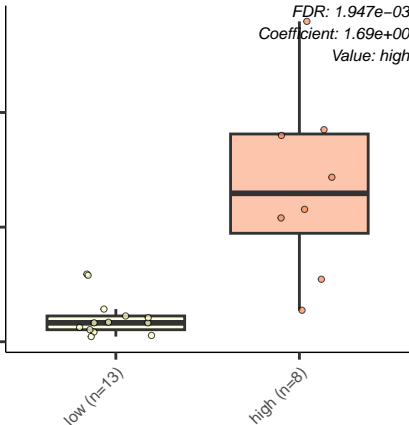
0

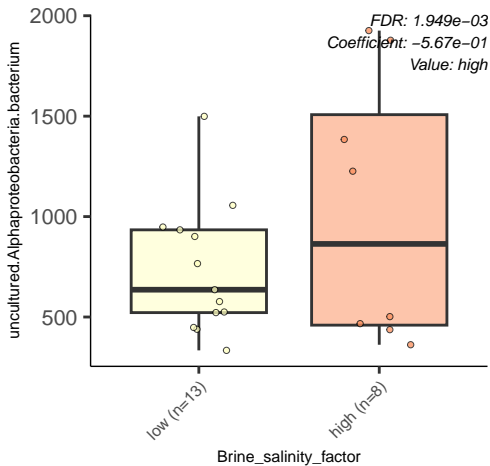
low (n=13)

high (n=8)

Brine_salinity_factor

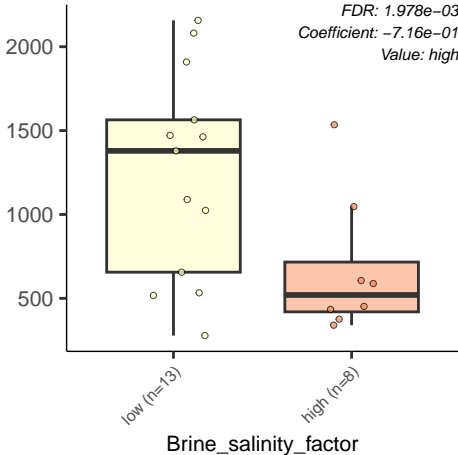
FDR: 1.947e-03
Coefficient: 1.69e+00
Value: high





Celeribacter.indicus

FDR: 1.978e-03
Coefficient: -7.16e-01
Value: high



Phaeobacter.porticola

FDR: 2.001e-03

Coefficient: -8.93e-01

Value: high

1600

1200

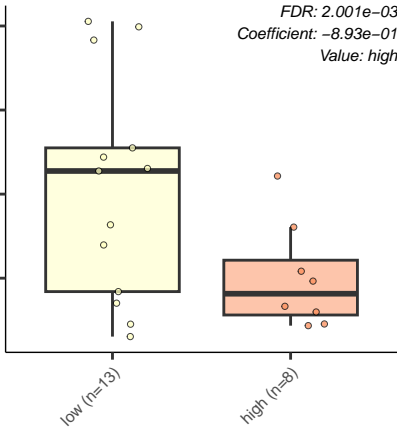
800

400

low (n=13)

high (n=8)

Brine_salinity_factor



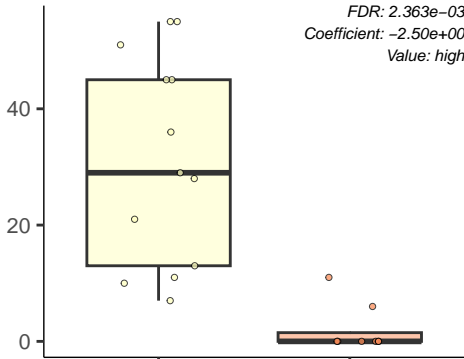
uncultured.Verrucomicrobiales.bacterium.HF0010_05E0

FDR: 2.363e-03
Coefficient: -2.50e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Jannaschia.sp..CCS1

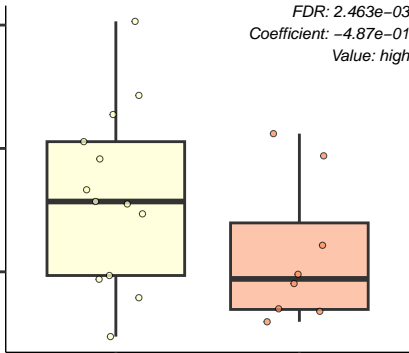
600
400
200

low (n=13)

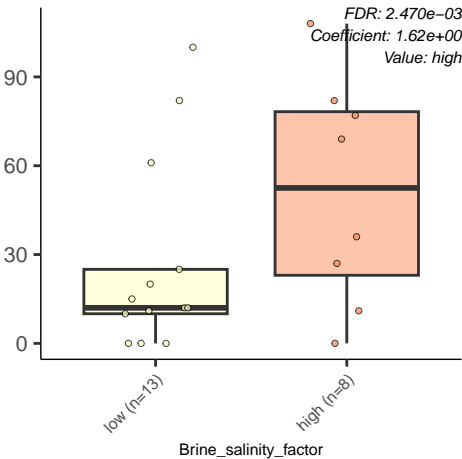
high (n=8)

Brine_salinity_factor

FDR: 2.463e-03
Coefficient: -4.87e-01
Value: high



Desulfuromonas.soudanensis



Octadecabacter.arcticus

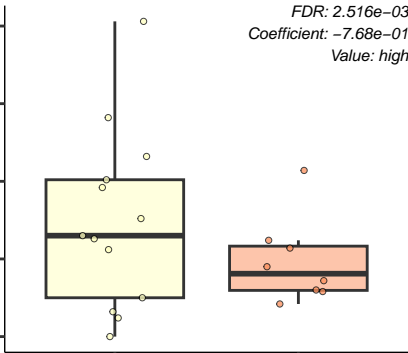
200
150
100
50
0

FDR: 2.516e-03
Coefficient: -7.68e-01
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Phormidium.lucidum

150

100

50

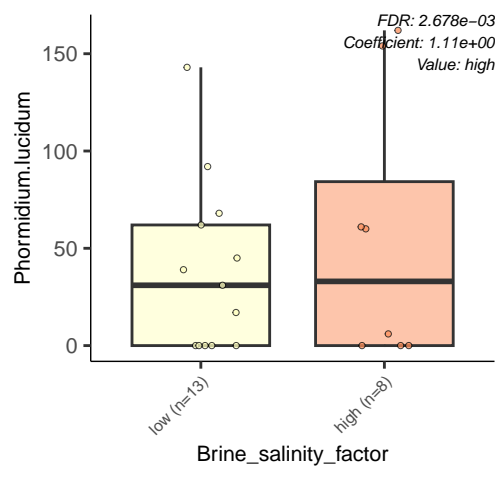
0

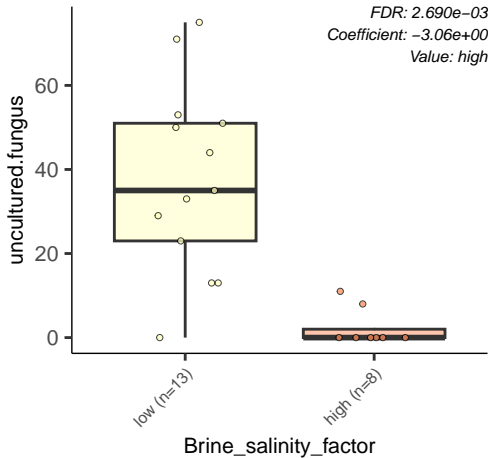
low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 2.678e-03
Coefficient: 1.11e+00
Value: high





Vibrio.alginolyticus

6000

4000

2000

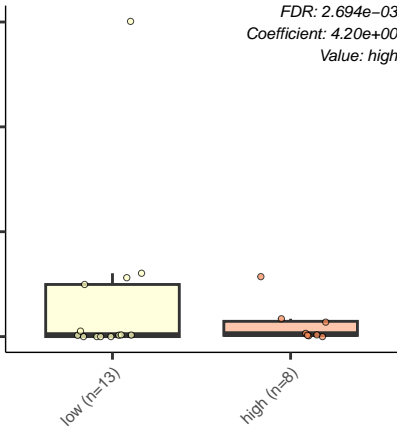
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 2.694e-03
Coefficient: 4.20e+00
Value: high



uncultured.Chloroflexi.bacterium

400

200

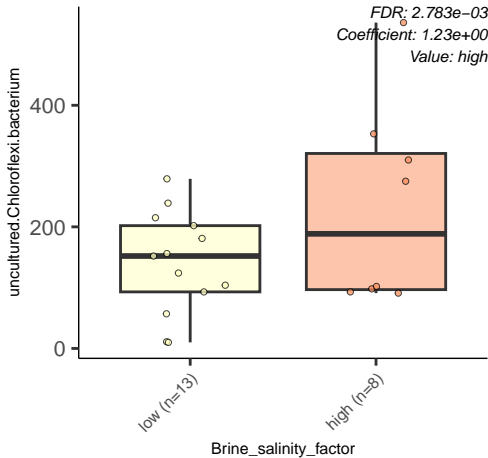
0

low (n=13)

high (n=8)

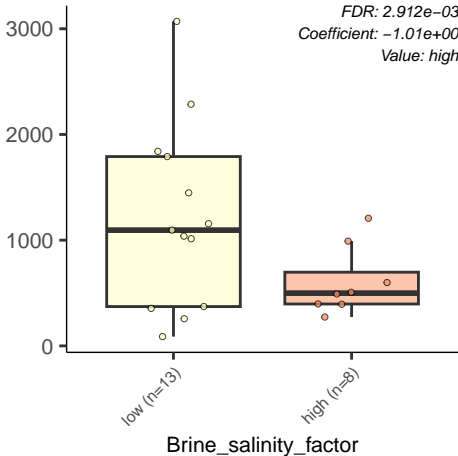
Brine_salinity_factor

FDR: 2.783e-03
Coefficient: 1.23e+00
Value: high



Yoonia.vestfoldensis

FDR: 2.912e-03
Coefficient: -1.01e+00
Value: high



Tateyamaria.omphalii

FDR: 2.992e-03
Coefficient: -9.26e-01
Value: high

2000

1500

1000

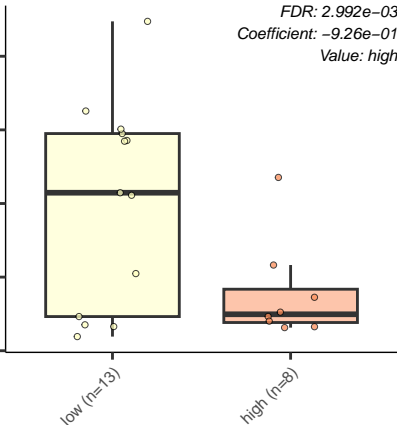
500

0

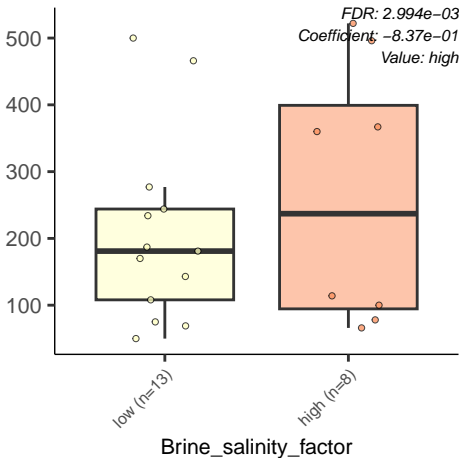
low (n=13)

high (n=8)

Brine_salinity_factor

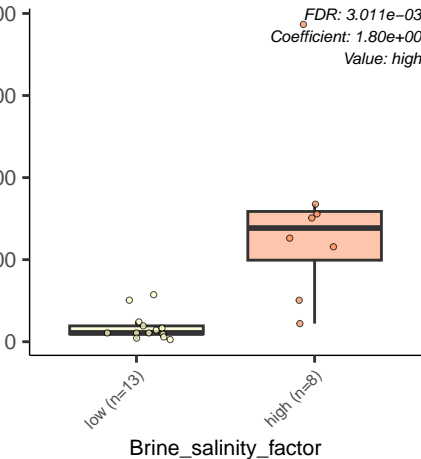


Methylorubrum.populi



Halorientalis.sp..IM1011

FDR: 3.011e-03
Coefficient: 1.80e+00
Value: high



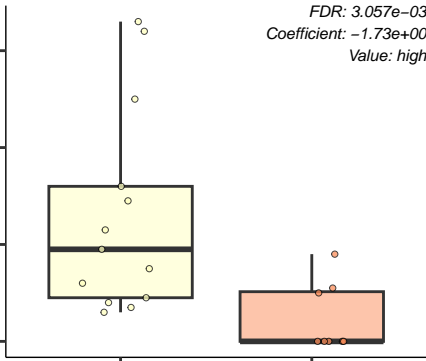
Candidatus.Amoebophilus.asiaticus

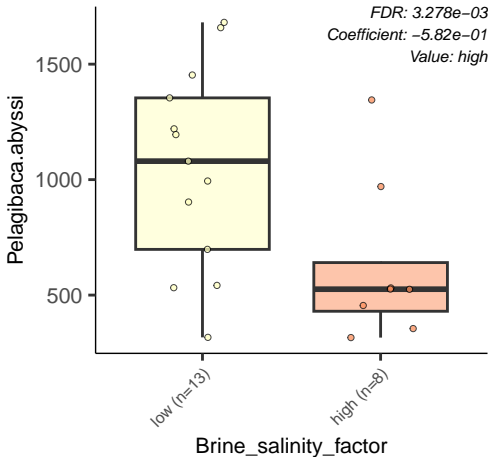
FDR: 3.057e-03
Coefficient: -1.73e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor





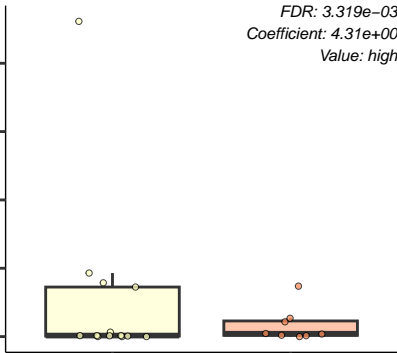
Vibrio.parahaemolyticus

FDR: 3.319e-03
Coefficient: 4.31e+00
Value: high

low (n=13)

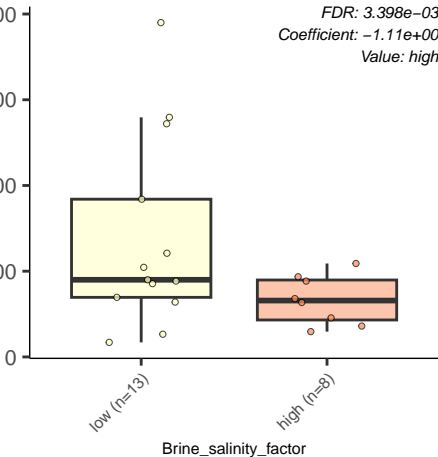
high (n=8)

Brine_salinity_factor



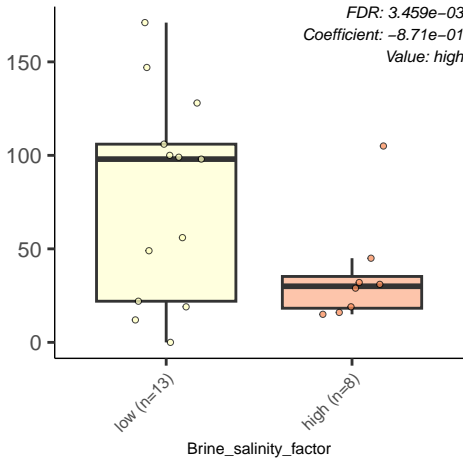
Thioalkalivibrio.sulfidophilus

FDR: 3.398e-03
Coefficient: -1.11e+00
Value: high



uncultured.alpha.proteobacterium.EB080_L84F03

FDR: 3.459e-03
Coefficient: -8.71e-01
Value: high



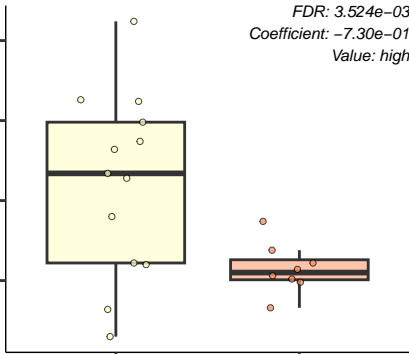
uncultured.planctomycete

FDR: 3.524e-03
Coefficient: -7.30e-01
Value: high

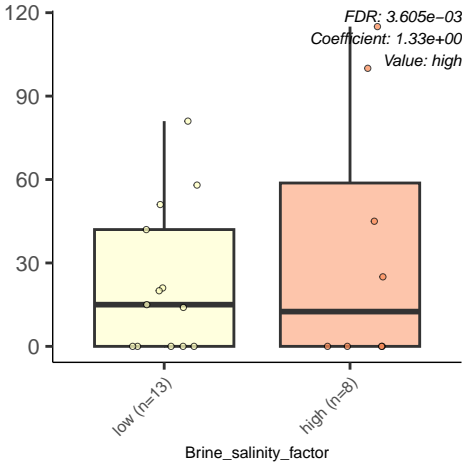
low (n=13)

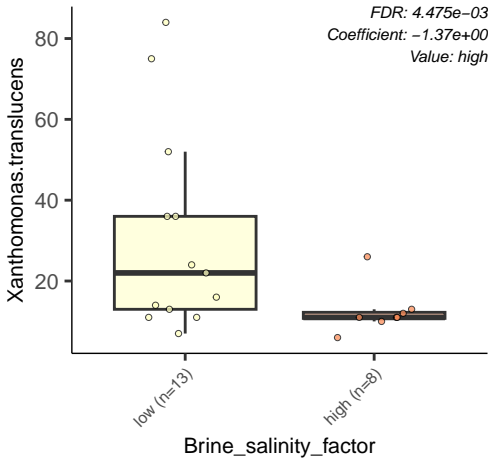
high (n=8)

Brine_salinity_factor



Pseudanabaena.sp..PCC.9015





Glaciecola.nitrateducens

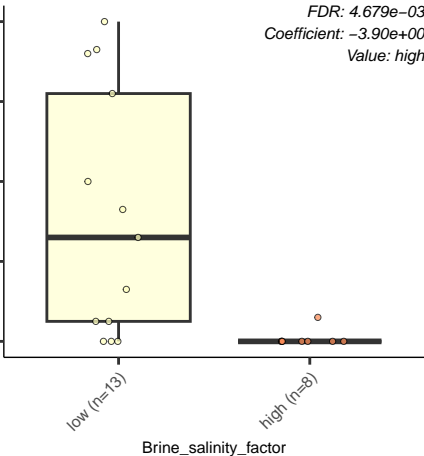
80
60
40
20
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 4.679e-03
Coefficient: -3.90e+00
Value: high



Rhodovulum.sp..SMB1

FDR: 4.694e-03

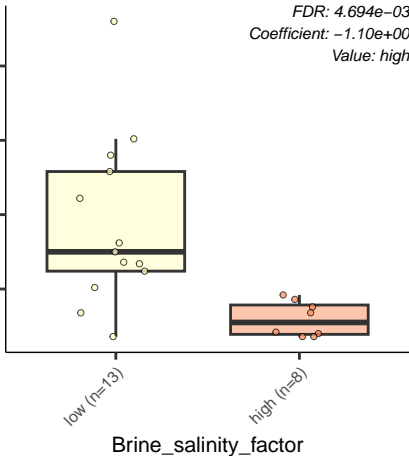
Coefficient: -1.10e+00

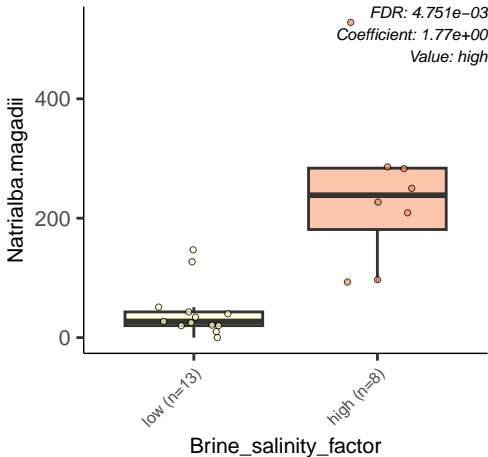
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor





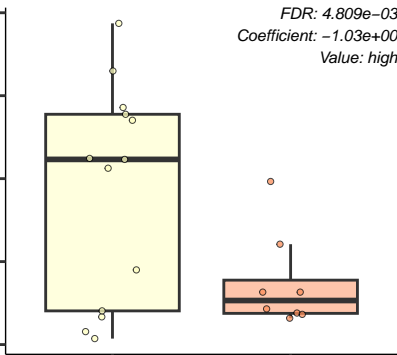
Roseobacter.litoralis

FDR: 4.809e-03
Coefficient: -1.03e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Marinobacter.salinus

FDR: 5.042e-03
Coefficient: 1.46e+00
Value: high

9000

6000

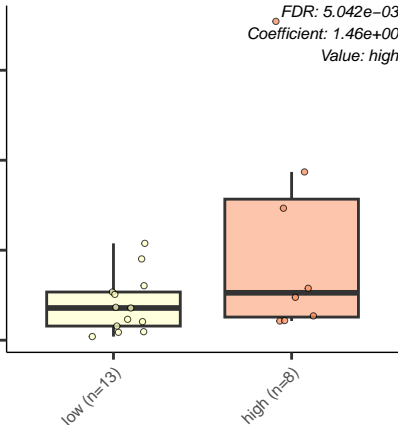
3000

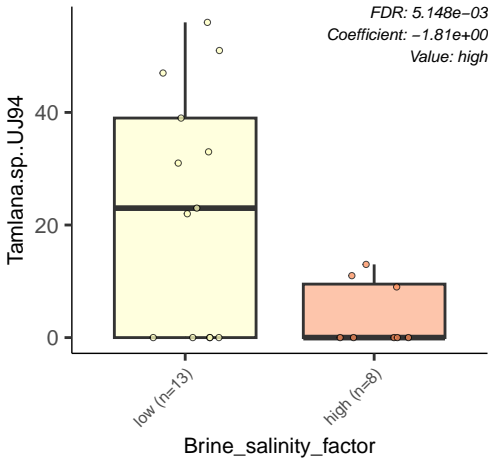
0

low (n=13)

high (n=8)

Brine_salinity_factor





Paracoccus.zhejiangensis

FDR: $5.452e-03$
Coefficient: $-4.50e-01$
Value: high

600

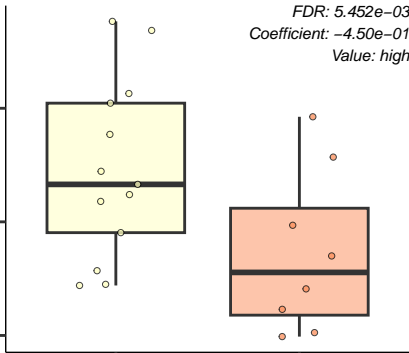
400

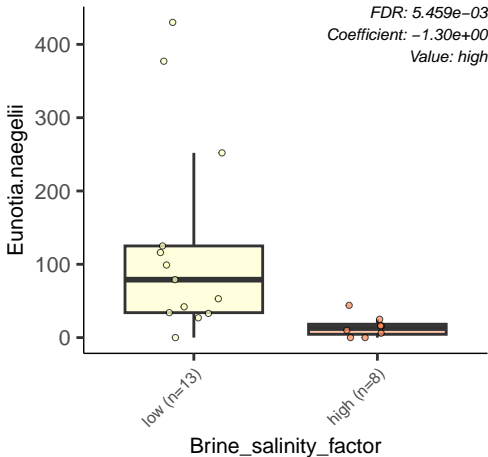
200

low (n=13)

high (n=8)

Brine_salinity_factor





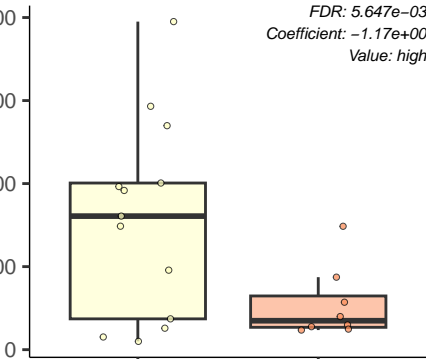
Sulfitobacter.pseudonitzschiae

FDR: 5.647e-03
Coefficient: -1.17e+00
Value: high

low (n=13)

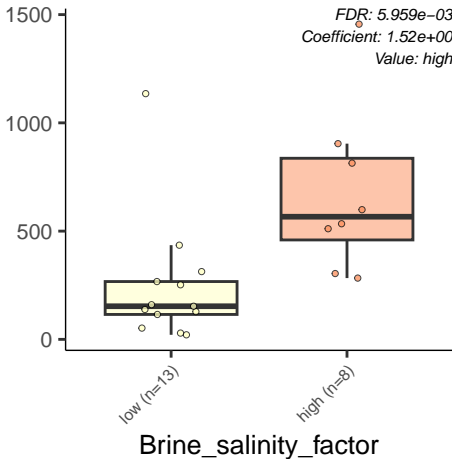
high (n=8)

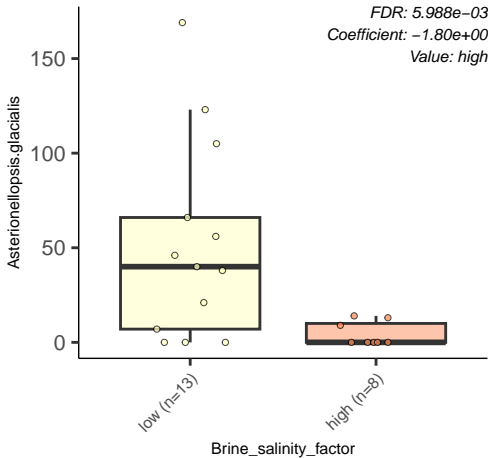
Brine_salinity_factor



Halovivax.ruber

FDR: 5.959e-03
Coefficient: 1.52e+00
Value: high





uncultured.phototrophic.eukaryote

FDR: 5.988e-03
Coefficient: -1.84e+00
Value: high

100

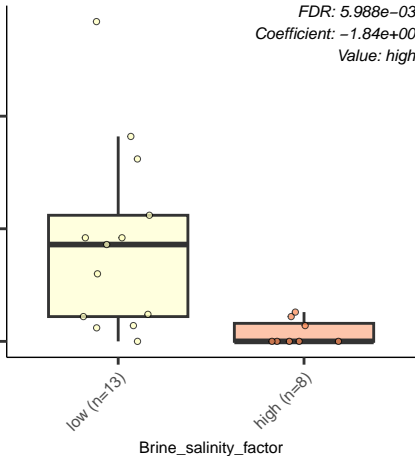
50

0

low (n=13)

high (n=8)

Brine_salinity_factor



Phaeobacter.piscinae

FDR: 6.790e-03

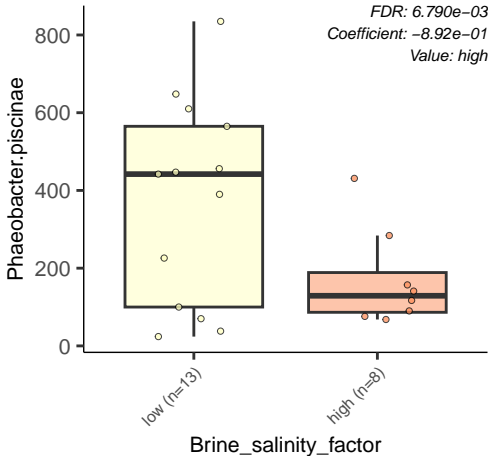
Coefficient: -8.92e-01

Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



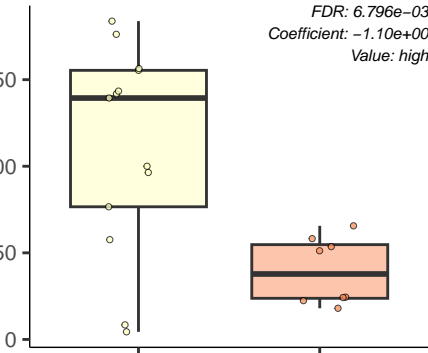
Woeseia.oceani

FDR: $6.796e-03$
Coefficient: $-1.10e+00$
Value: high

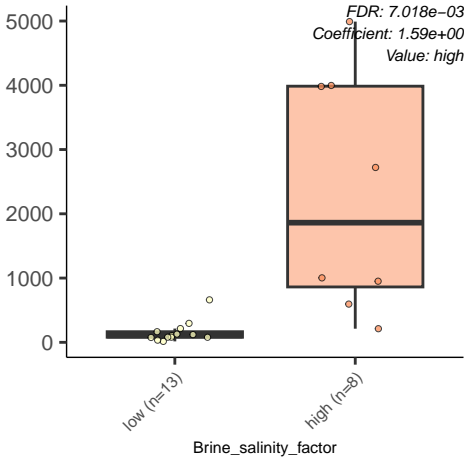
low (n=13)

high (n=8)

Brine_salinity_factor



Halanaeroarchaeum.sulfureducens



uncultured.bacterium.KM3.69.F5

FDR: $7.367e-03$
Coefficient: $-1.13e+00$
Value: high

200

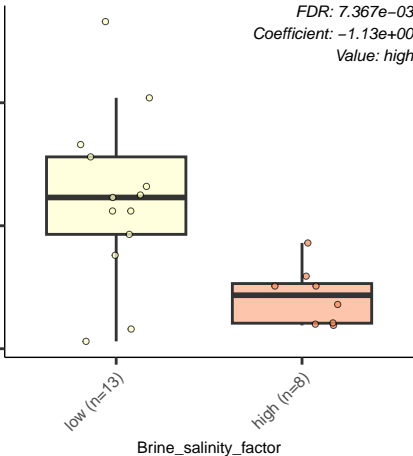
100

0

low (n=13)

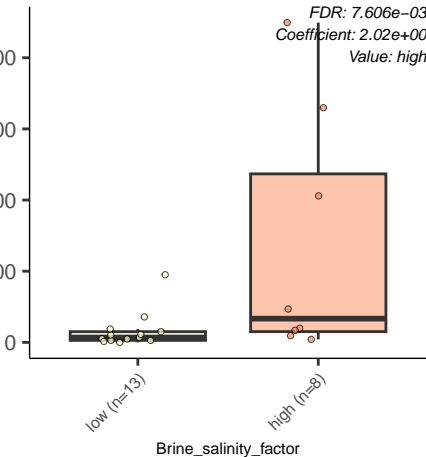
high (n=8)

Brine_salinity_factor



Hydrogenovibrio.crunogenus

FDR: 7.606e-03
Coefficient: 2.02e+00
Value: high



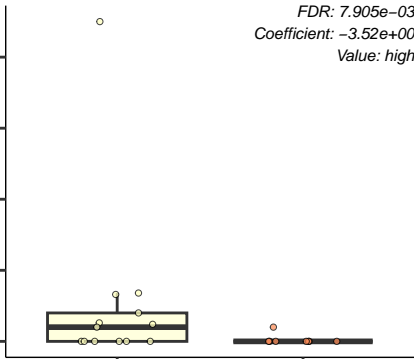
unidentified.marine.bacterioplankton

FDR: 7.905e-03
Coefficient: -3.52e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Nitzschia.frustulum

FDR: $9.026e-03$

Coefficient: $-1.33e+00$

Value: high

800

600

400

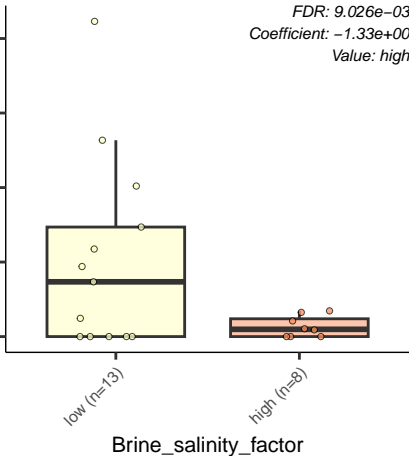
200

0

low (n=13)

high (n=8)

Brine_salinity_factor



Pelobacter.acetylenicus

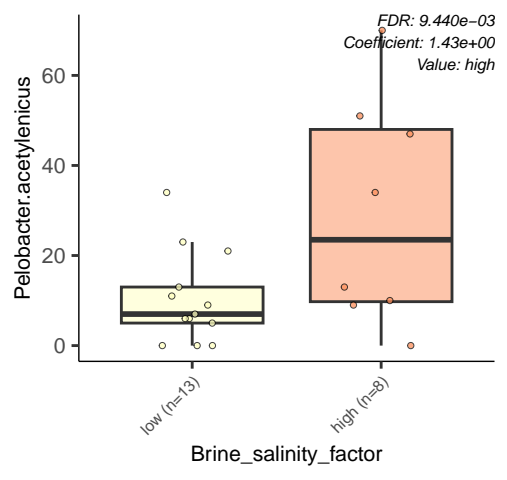
FDR: $9.440e-03$
Coefficient: $1.43e+00$
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor

60
40
20
0



Acetohalobium.arabaticum

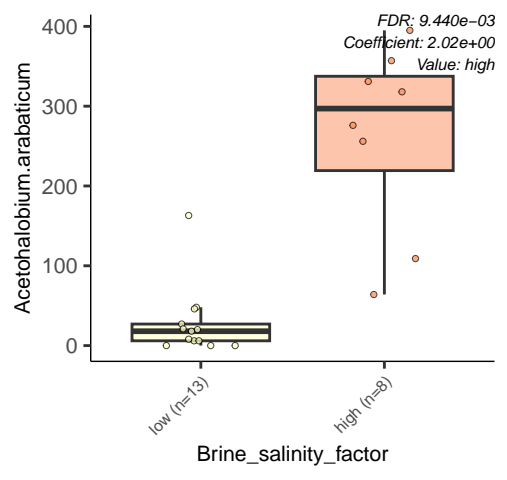
400
300
200
100
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: $9.440e-03$
Coefficient: $2.02e+00$
Value: high



Winogradskyella.sp..J14.2

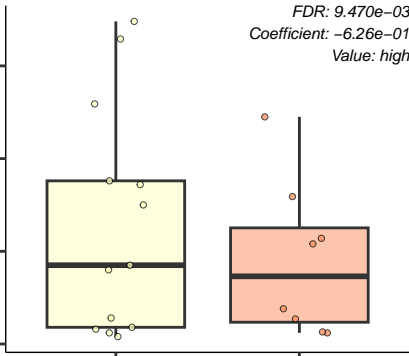
FDR: 9.470e-03
Coefficient: -6.26e-01
Value: high

300
200
100
0

low (n=13)

high (n=8)

Brine_salinity_factor



Ramlibacter.tataouinensis

FDR: $9.473e-03$

Coefficient: $-1.19e+00$

Value: high

90

60

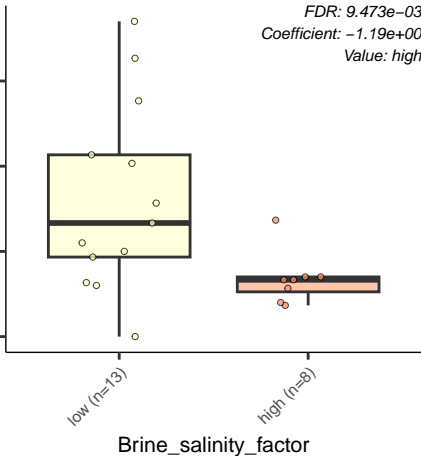
30

0

low (n=13)

high (n=8)

Brine_salinity_factor



Alteromonas.sp..MB.3u.76

FDR: $9.652e-03$

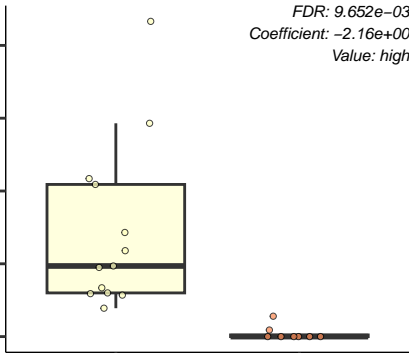
Coefficient: $-2.16e+00$

Value: high

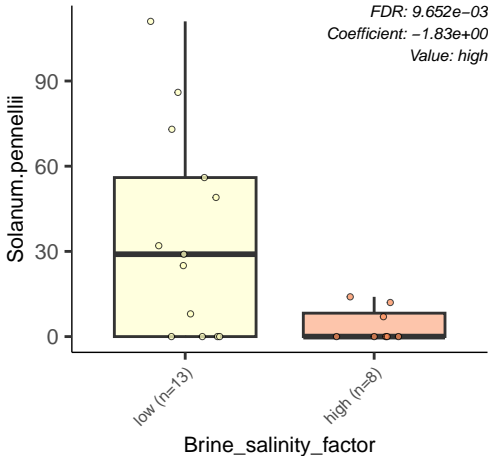
low (n=13)

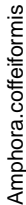
high (n=8)

Brine_salinity_factor



Value: high





FDR: 9.866e-03

Coefficient: $-3.30e+00$

Value: high



Brine_salinity_factor

Halostagnicola.larsenii

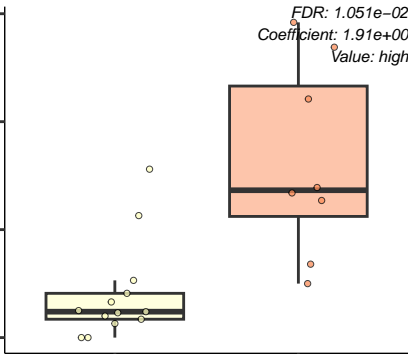
300
200
100
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 1.051e-02
Coefficient: 1.91e+00
Value: high



Haloplanus.salinus

FDR: 1.090e-02
Coefficient: 1.69e+00
Value: high

600

400

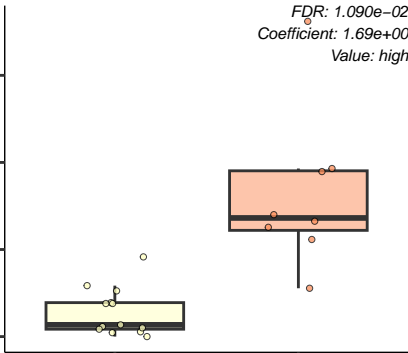
200

0

low (n=13)

high (n=8)

Brine_salinity_factor





FDR: 1.124e-02
Coefficient: 1.69e+00
Value: high



Brine_salinity_factor

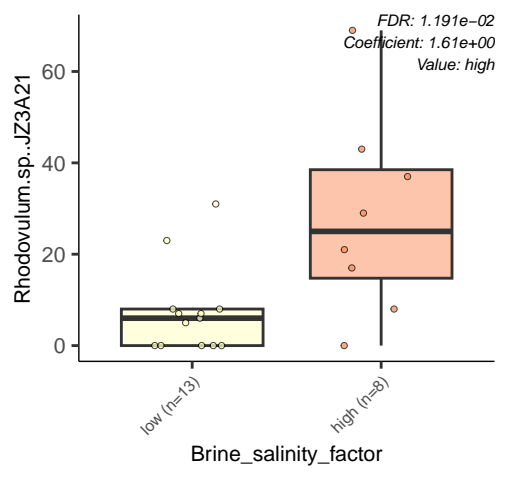
Rhodovulum.sp..JZ3A21

FDR: 1.191e-02
Coefficient: 1.61e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Gomphoneis.minuta

FDR: 1.269e-02

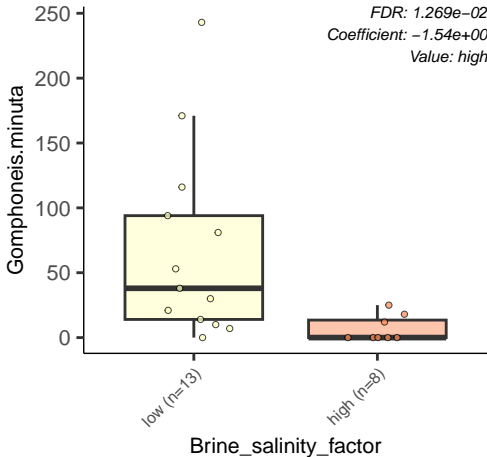
Coefficient: -1.54e+00

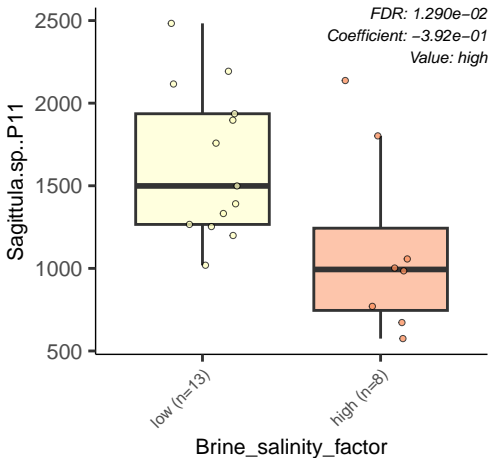
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor





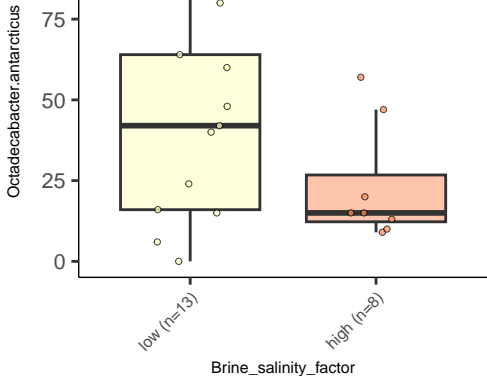
Octadecabacter.antarcticus

FDR: 1.392e-02
Coefficient: -8.96e-01
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Dokdonia.donghaensis

FDR: 1.392e-02

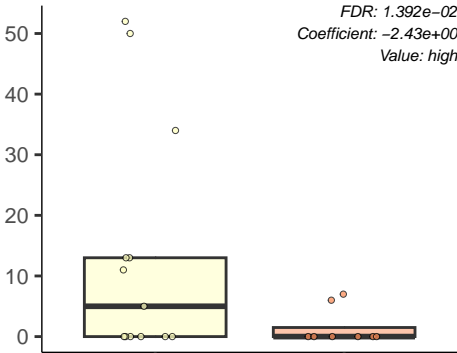
Coefficient: -2.43e+00

Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Halomonas.sp..HG01

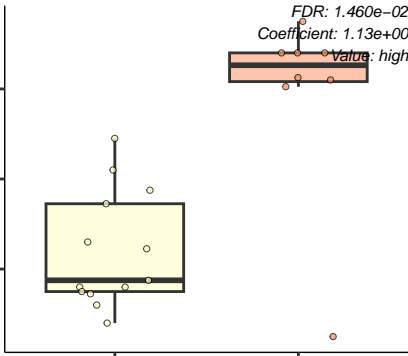
120
80
40

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 1.460e-02
Coefficient: 1.13e+00
Value: high



Dokdonia.sp..MED134

FDR: 1.461e-02

Coefficient: -1.66e+00

Value: high

60

40

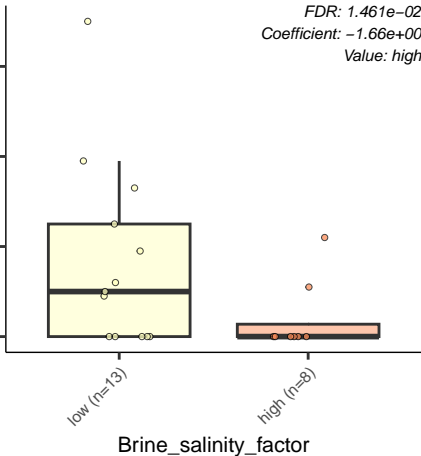
20

0

low (n=13)

high (n=8)

Brine_salinity_factor



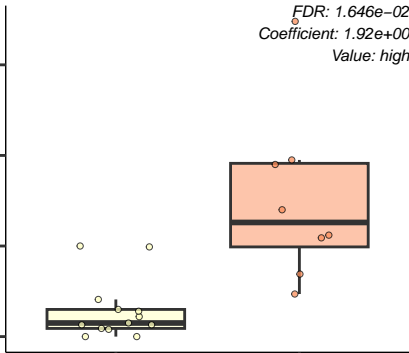
Haloterrigena.daqingensis

FDR: 1.646e-02
Coefficient: 1.92e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Desulfuromonas.acetoxidans

FDR: 1.652e-02
Coefficient: 2.82e+00
Value: high

60

40

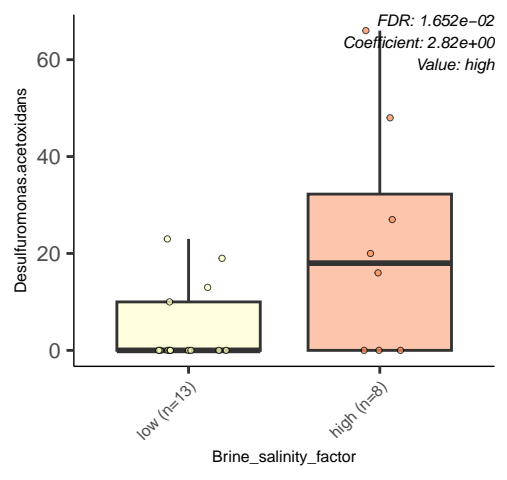
20

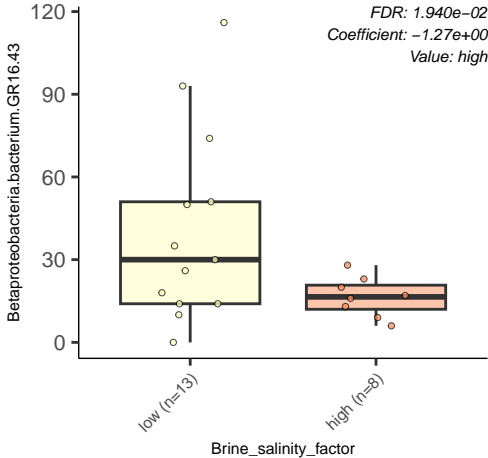
0

low (n=13)

high (n=8)

Brine_salinity_factor





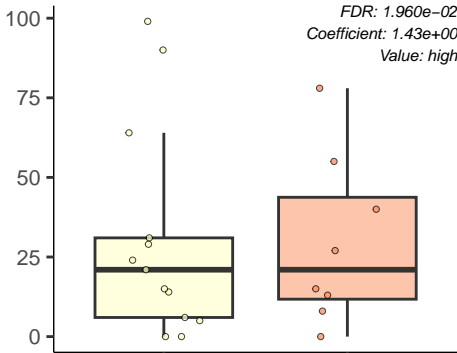
Methylophaga.frappieri

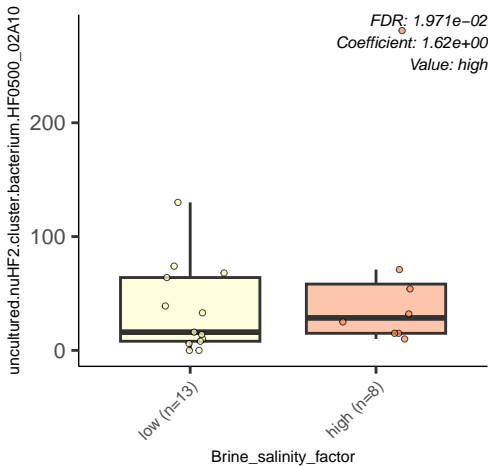
FDR: 1.960e-02
Coefficient: 1.43e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor





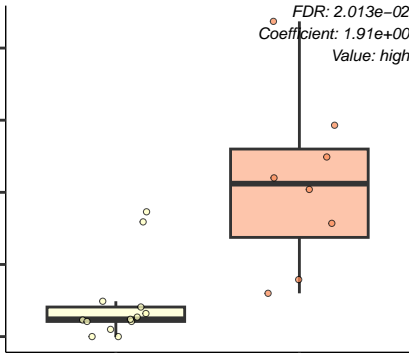
Natronococcus.occultus

FDR: 2.013e-02
Coefficient: 1.91e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Nonlabens.sp..Hel1_33_55

FDR: 2.045e-02

Coefficient: -1.27e+00

Value: high

60

40

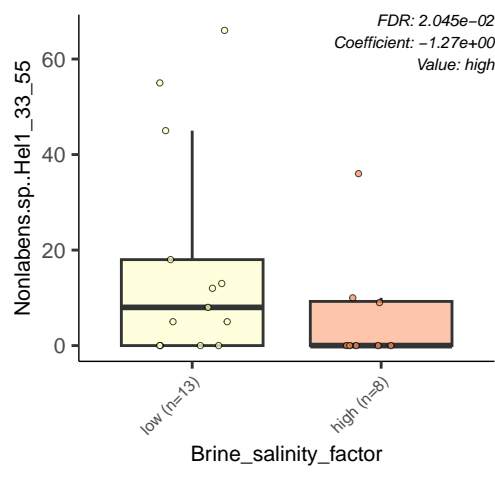
20

0

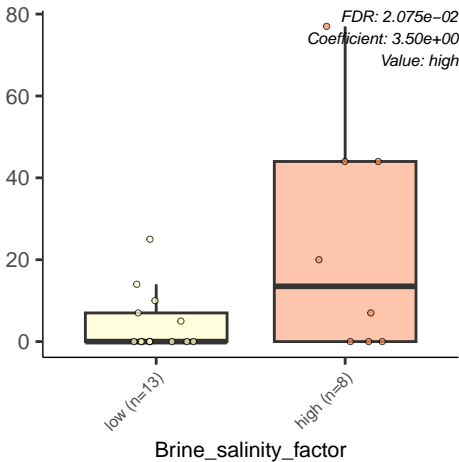
low (n=13)

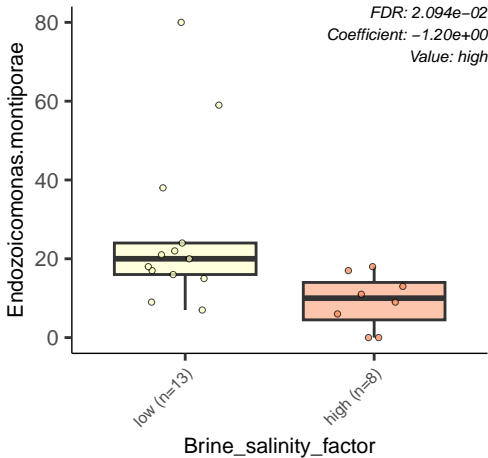
high (n=8)

Brine_salinity_factor



Sulfurimonas.autotrophica





Haloplanus.natans

FDR: $2.094e-02$
Coefficient: $2.36e+00$
Value: high

300

200

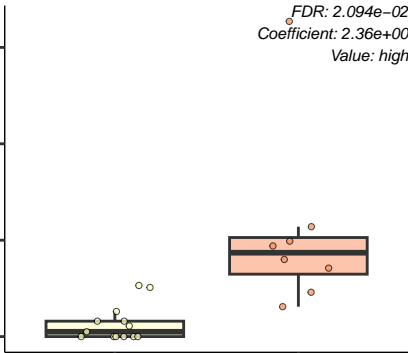
100

0

low (n=13)

high (n=8)

Brine_salinity_factor



Gracilimonas.sp..HME9591

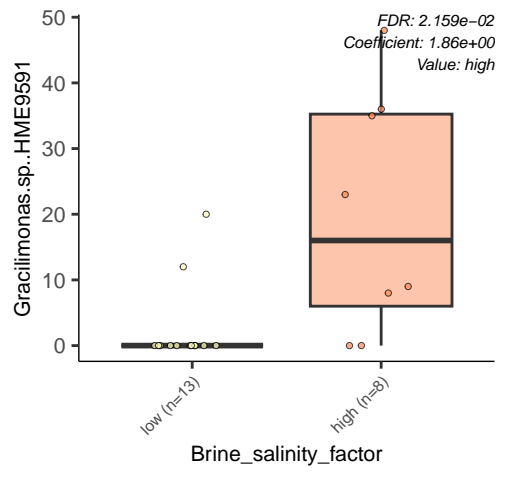
50
40
30
20
10
0

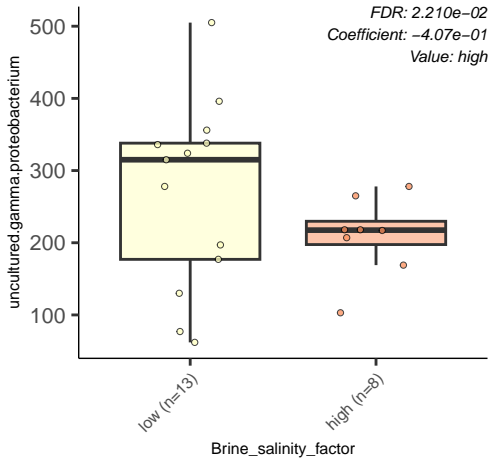
low (n=13)

high (n=8)

Brine_salinity_factor

FDR: $2.159e-02$
Coefficient: $1.86e+00$
Value: high





Emticia.oligotrophica

FDR: 2.453e-02
Coefficient: 1.50e+00
Value: high

200

150

100

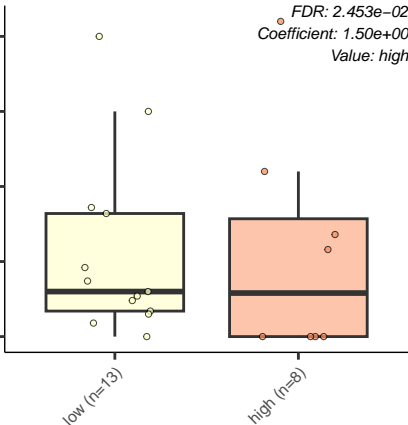
50

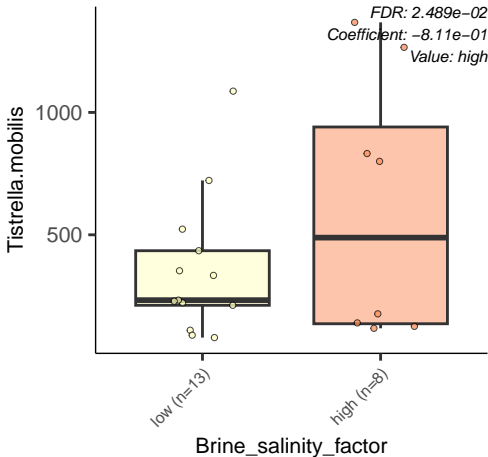
0

low (n=13)

high (n=8)

Brine_salinity_factor





Bernardetia.litoralis

FDR: 2.536e-02

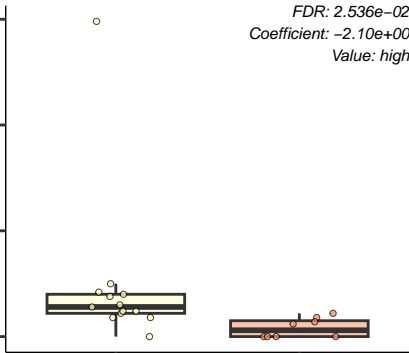
Coefficient: -2.10e+00

Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



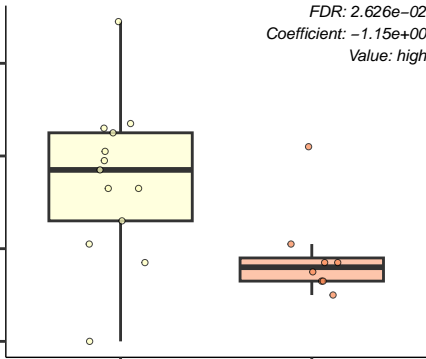
Candidatus.Filomicrobium.marinum

FDR: $2.626e-02$
Coefficient: $-1.15e+00$
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Thioalkalivibrio.versutus

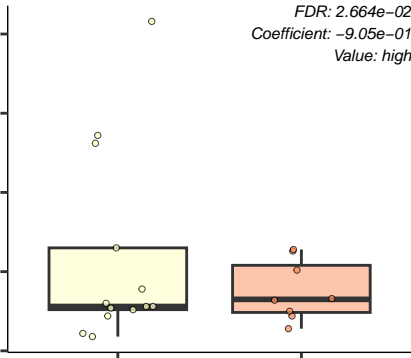
200
150
100
50
0

FDR: 2.664e-02
Coefficient: -9.05e-01
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Aeromonas.hydrophila

FDR: 2.715e-02

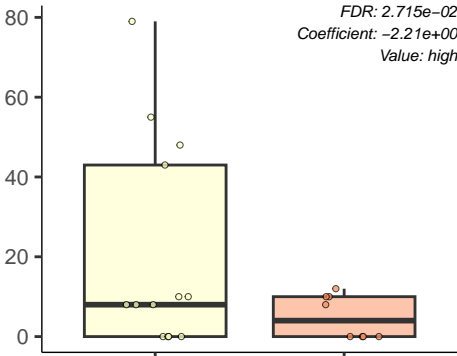
Coefficient: -2.21e+00

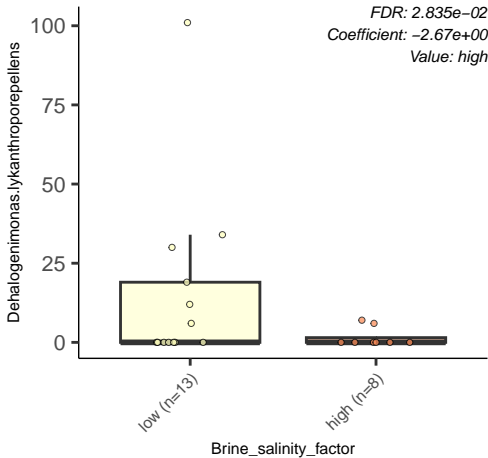
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor





Nitzschia.cf..pusilla

FDR: 2.906e-02

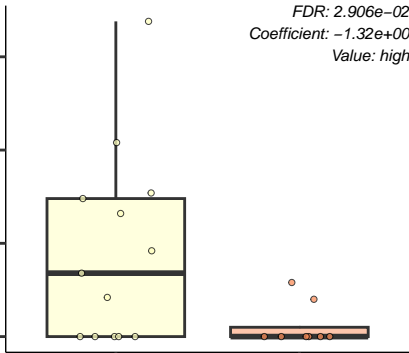
Coefficient: -1.32e+00

Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Halobacteriaceae.archaeon.ZS.5

FDR: 2.920e-02
Coefficient: 3.88e+00
Value: high

200

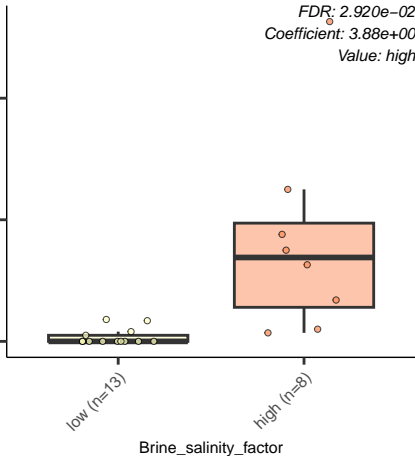
100

0

low (n=13)

high (n=8)

Brine_salinity_factor



Value: high



high (n=8)

Brine_salinity_factor

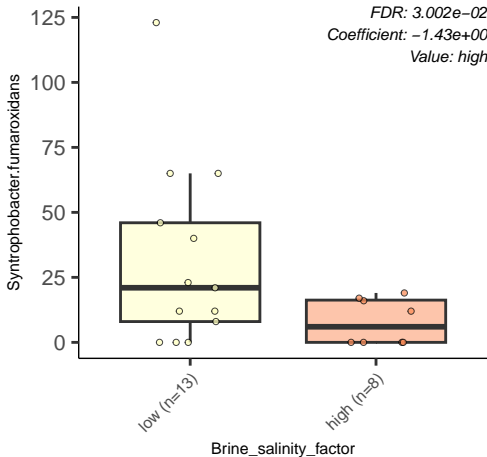
Syntrophobacter.fumaroxidans

FDR: 3.002e-02
Coefficient: -1.43e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



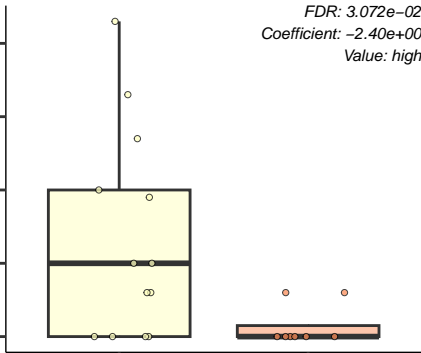
Lacinutrix.venerupis

FDR: 3.072e-02
Coefficient: -2.40e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



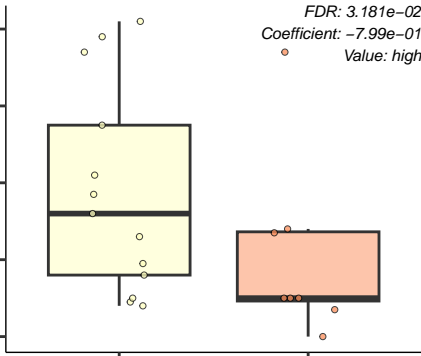
Nonlabens.dokdonensis

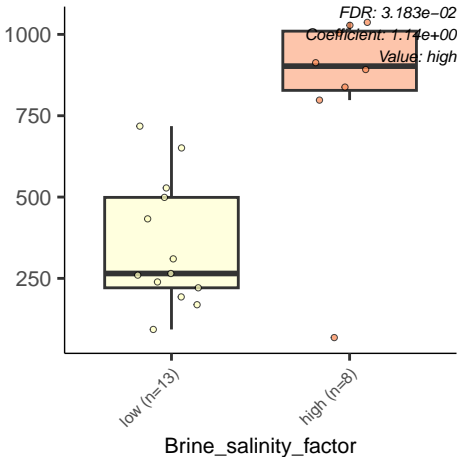
FDR: 3.181e-02
Coefficient: -7.99e-01
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



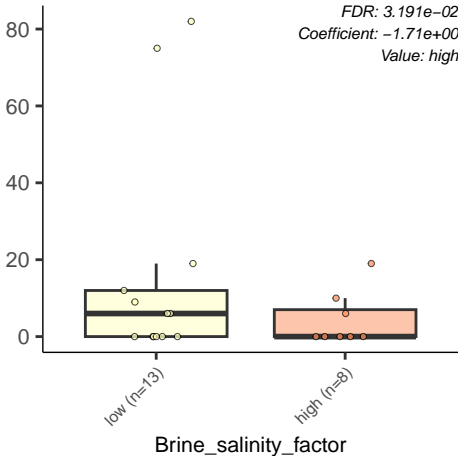


Flavobacterium.johnsoniae

FDR: 3.191e-02

Coefficient: -1.71e+00

Value: high



Halomonas.elongata

FDR: $3.284e-02$
Coefficient: $1.54e+00$
Value: high

40

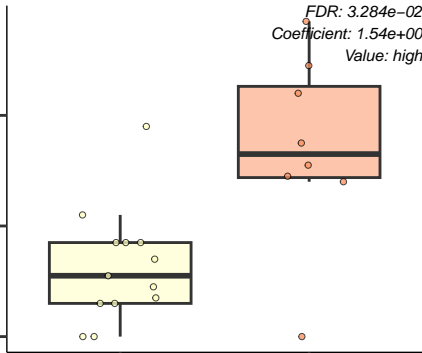
20

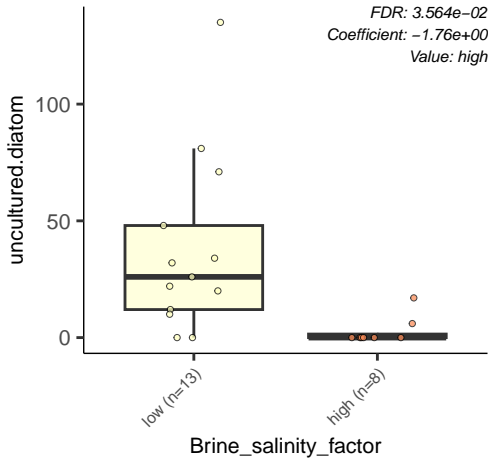
0

low (n=13)

high (n=8)

Brine_salinity_factor





Granulibacter.bethesdensis

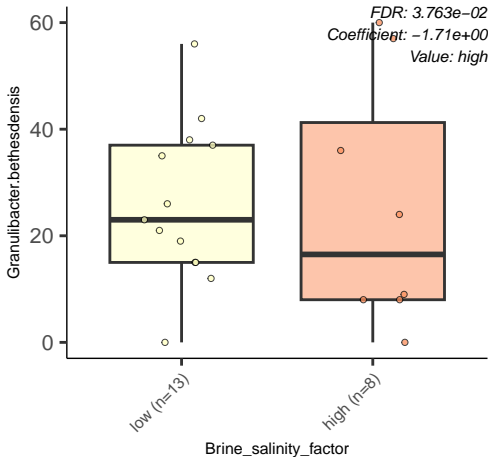
60
40
20
0

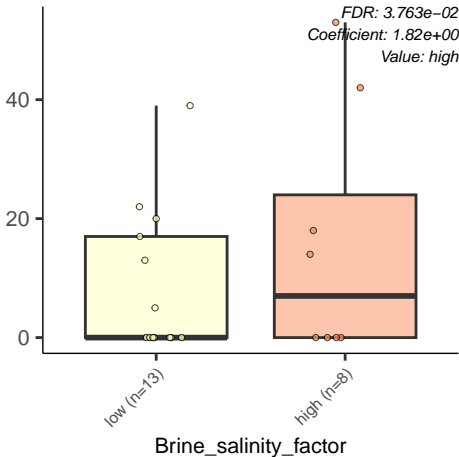
low (n=13)

high (n=8)

Brine_salinity_factor

FDR: $3.763e-02$
Coefficient: $-1.71e+00$
Value: high





Asterionella.formosa

FDR: 3.765e-02

Coefficient: -2.02e+00

Value: high

75

50

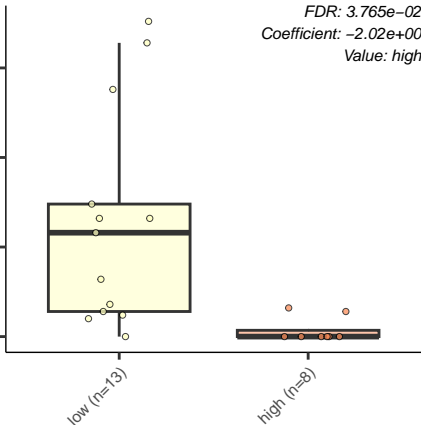
25

0

low (n=13)

high (n=8)

Brine_salinity_factor



Salipiger.profundus

FDR: 3.789e-02

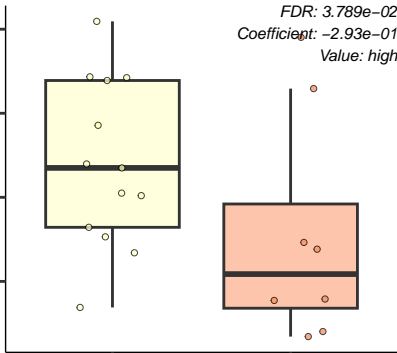
Coefficient: -2.93e-01

Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Thalassiosira.oceanica

FDR: 3.899e-02

Coefficient: -1.68e+00

Value: high

150

100

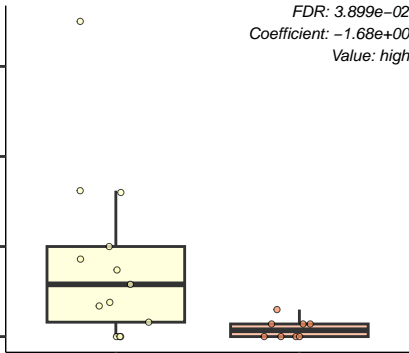
50

0

low (n=13)

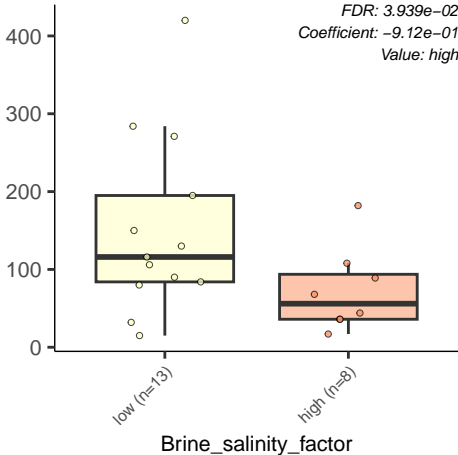
high (n=8)

Brine_salinity_factor



Acidihalobacter.prosperus

FDR: 3.939e-02
Coefficient: -9.12e-01
Value: high



Paracoccus.sp..CBA4604

FDR: 4.030e-02

Coefficient: -4.03e-01

Value: high

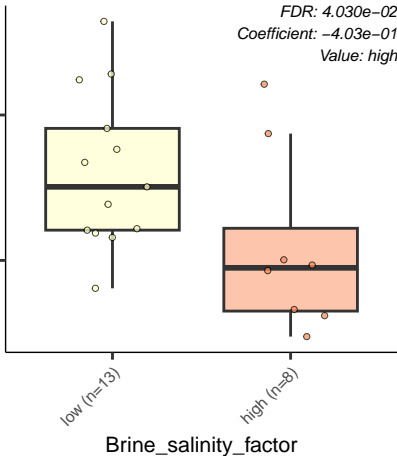
1000

500

low (n=13)

high (n=8)

Brine_salinity_factor



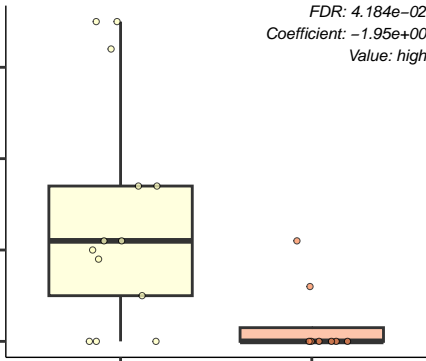
Paraburkholderia.xenovorans

FDR: 4.184e-02
Coefficient: -1.95e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Halothiobacillus.sp..LS2

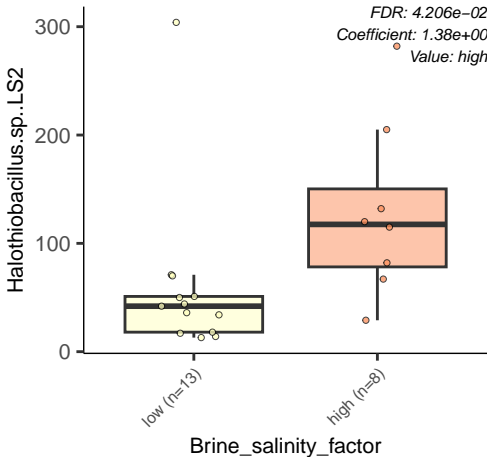
300
200
100
0

FDR: 4.206e-02
Coefficient: 1.38e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Halomicroarcula.sp.

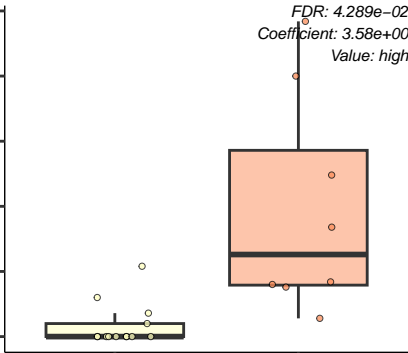
125
100
75
50
25
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 4.289e-02
Coefficient: 3.58e+00
Value: high



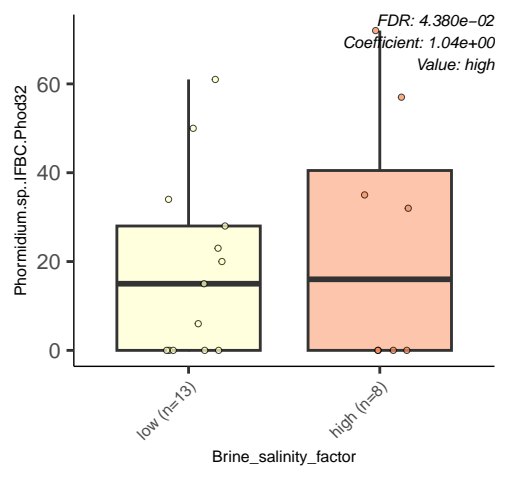
Phormidium.sp..IFBC.Phod32

FDR: 4.380e-02
Coefficient: 1.04e+00
Value: high

low (n=13)

high (n=8)

Brine_salinity_factor



Halomonas.chromatireducens

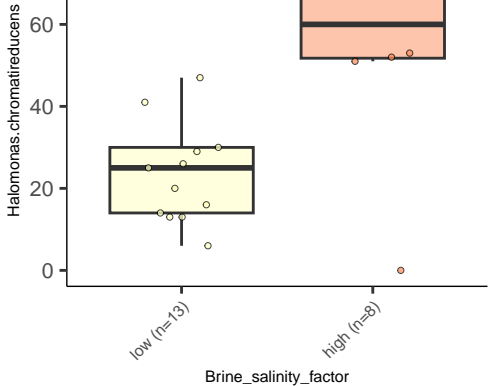
80
60
40
20
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 4.673e-02
Coefficient: 1.09e+00
Value: high



Phormidium.sp..LEGE.11384

40

20

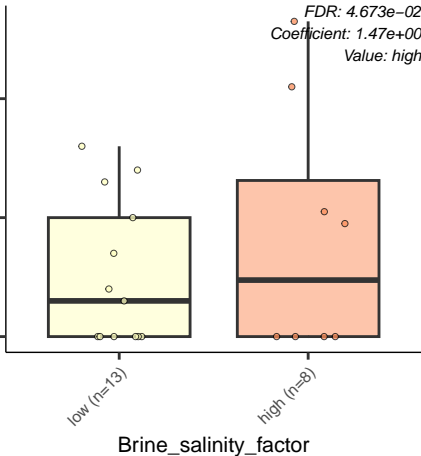
0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 4.673e-02
Coefficient: 1.47e+00
Value: high



Roseovarius.mucosus

FDR: 4.705e-02
Coefficient: -6.43e-01
Value: high

2000

1500

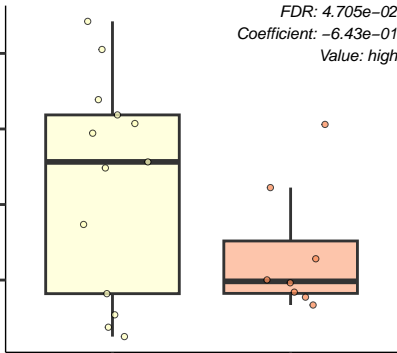
1000

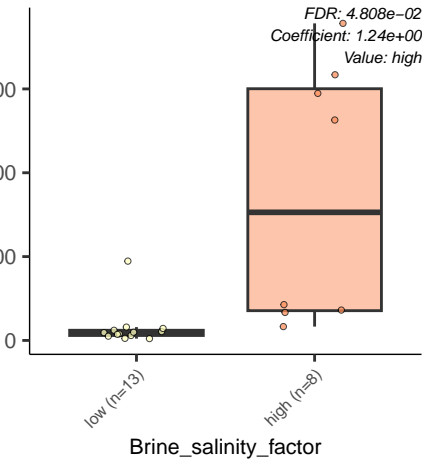
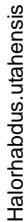
500

low (n=13)

high (n=8)

Brine_salinity_factor





Bradyrhizobium.sp..BTai1

60

40

20

0

low (n=13)

high (n=8)

Brine_salinity_factor

FDR: 4.840e-02
Coefficient: 1.04e+00
Value: high

