

Lactobacillus

*FDR: 8.667e-36*

*Coefficient: -1.22e+00*

*Value: IM*

40000

30000

20000

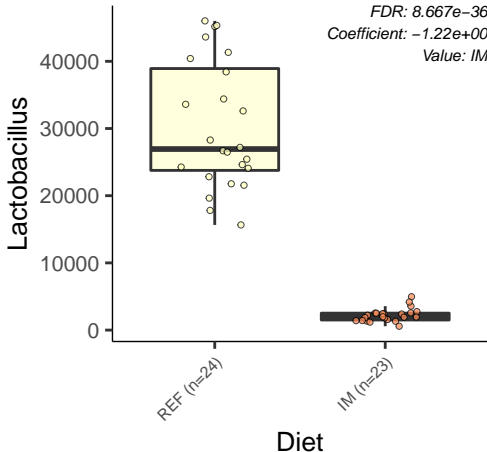
10000

0

REF (n=24)

IM (n=23)

Diet



Geobacillus

*FDR: 6.512e-33*

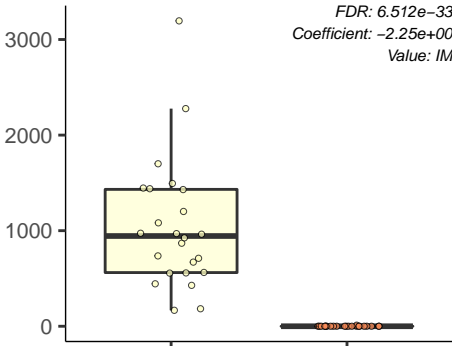
*Coefficient: -2.25e+00*

*Value: IM*

REF (n=24)

IM (n=23)

Diet



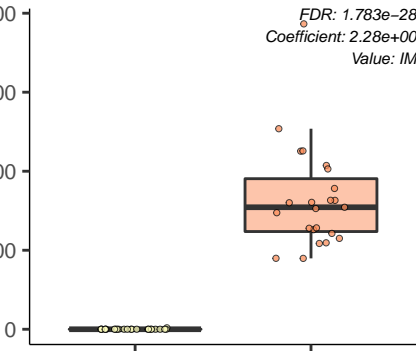
p\_RsaHF231

FDR:  $1.783e-28$   
Coefficient:  $2.28e+00$   
Value: IM

REF (n=24)

IM (n=23)

Diet



Propionibacterium

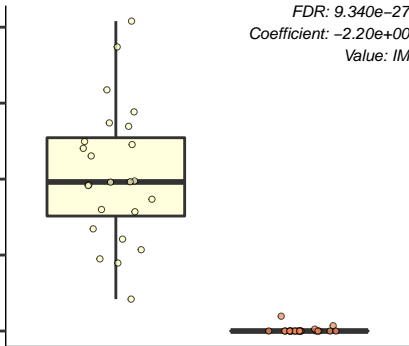
800  
600  
400  
200  
0

REF (n=24)

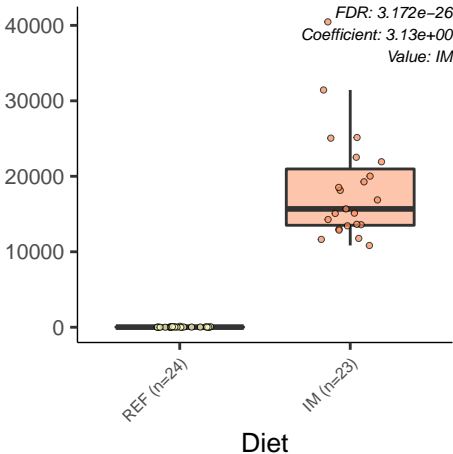
IM (n=23)

Diet

*FDR: 9.340e-27*  
*Coefficient: -2.20e+00*  
*Value: IM*



Oceanobacillus



Peptostreptococcus

FDR:  $3.172e-26$

Coefficient:  $-2.44e+00$

Value: IM

10000

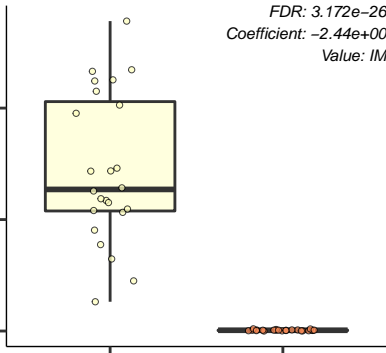
5000

0

REF (n=24)

IM (n=23)

Diet



f\_\_Beutenbergiaceae

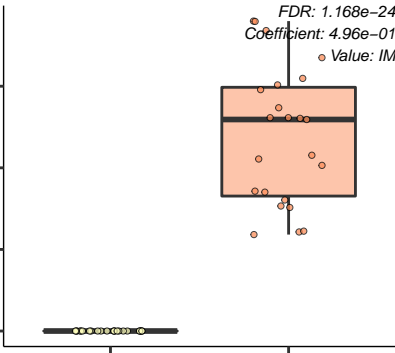
1500  
1000  
500  
0

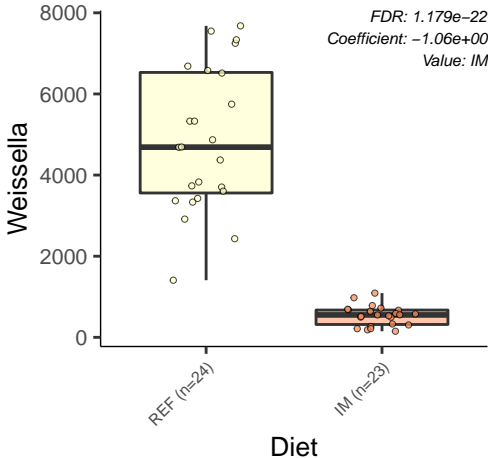
REF (n=24)

IM (n=23)

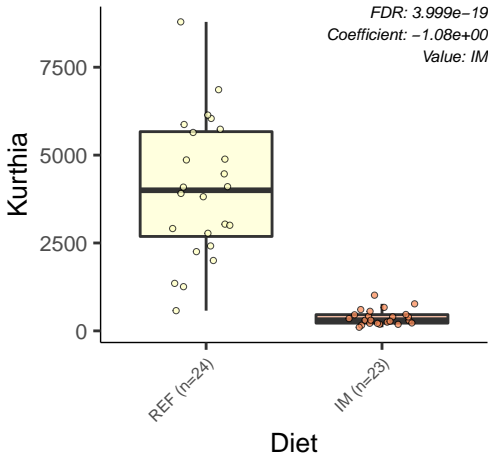
Diet

FDR:  $1.168 \times 10^{-24}$   
Coefficient:  $4.96 \times 10^{-01}$   
Value: IM









Photobacterium

*FDR: 3.490e-18*

*Coefficient: -2.12e+00*

*Value: IM*

9000

6000

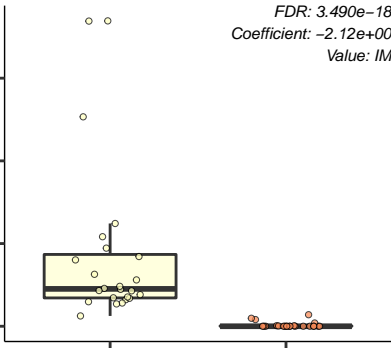
3000

0

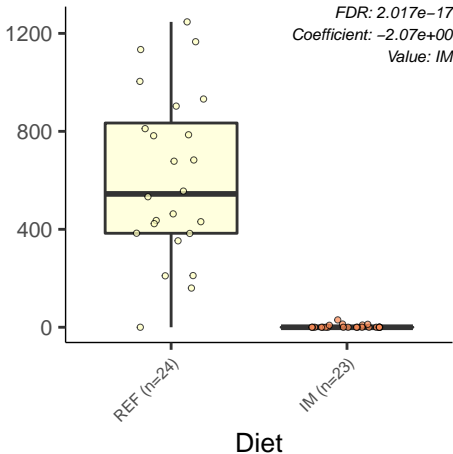
REF (n=24)

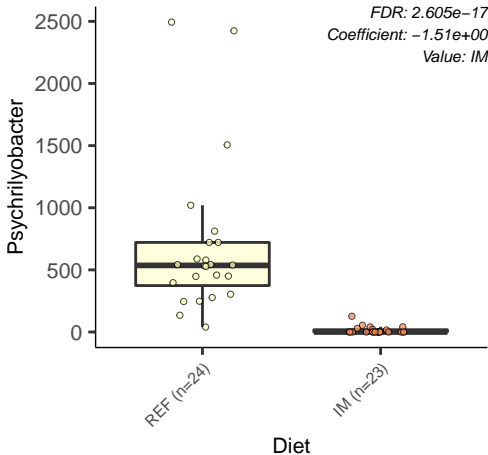
IM (n=23)

Diet

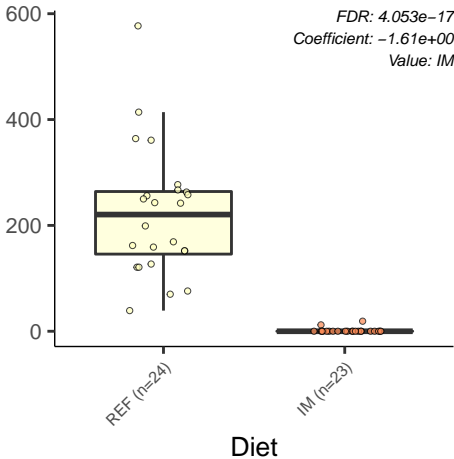


Peptoniphilus

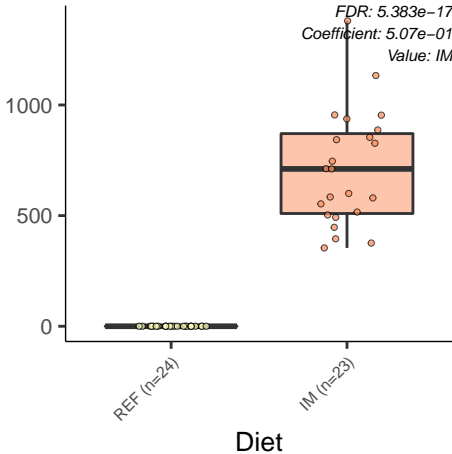




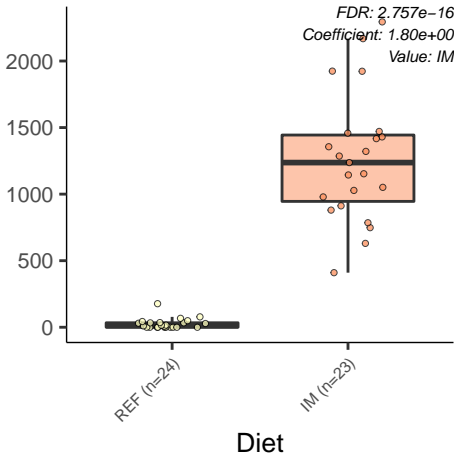
f\_\_Atopobiaceae



Gracilibacillus



Actinomyces



Cetobacterium

*FDR: 5.334e-16*

*Coefficient: -2.16e+00*

*Value: IM*

2000

1500

1000

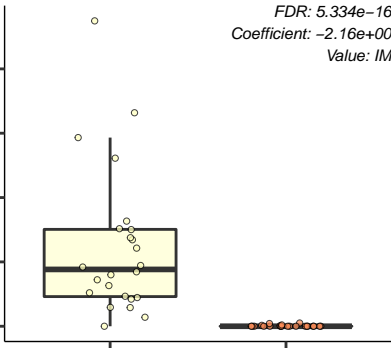
500

0

REF (n=24)

IM (n=23)

Diet





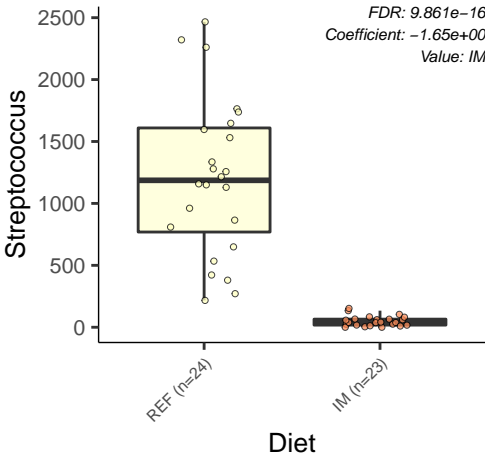
Streptococcus

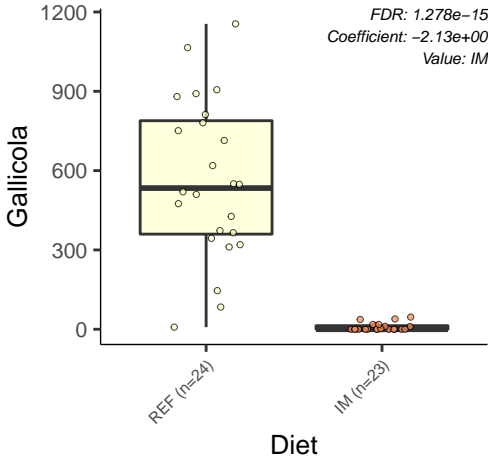
*FDR: 9.861e-16*  
*Coefficient: -1.65e+00*  
*Value: IM*

REF (n=24)

IM (n=23)

Diet





Clostridium.sensu.stricto.5

FDR:  $3.157e-15$   
Coefficient:  $-1.91e+00$   
Value: IM

REF (n=24)

IM (n=23)

Diet

Clostridium.sensu.stricto.5

FDR:  $3.157e-15$   
Coefficient:  $-1.91e+00$   
Value: IM

REF (n=24)

IM (n=23)

Diet

Clostridium.sensu.stricto.5

FDR:  $3.157e-15$   
Coefficient:  $-1.91e+00$   
Value: IM

REF (n=24)

IM (n=23)

Diet

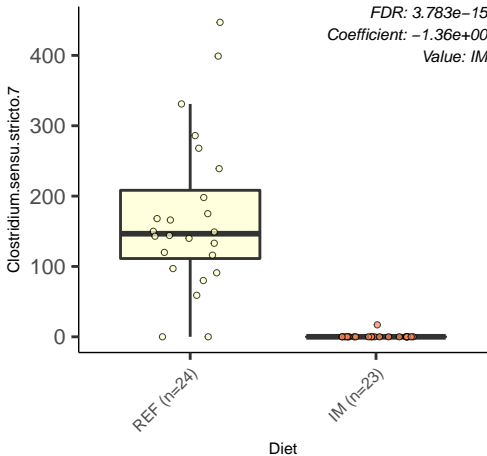
Clostridium.sensu.stricto.7

*FDR: 3.783e-15*  
*Coefficient: -1.36e+00*  
*Value: IM*

REF (n=24)

IM (n=23)

Diet



Fusobacterium

*FDR: 2.083e-14*  
*Coefficient: -2.13e+00*  
*Value: IM*

REF (n=24)

IM (n=23)

Diet

3000

2000

1000

0

Cellulosimicrobium

*FDR: 2.103e-12*  
*Coefficient: 9.25e-01*  
*Value: IM*

100

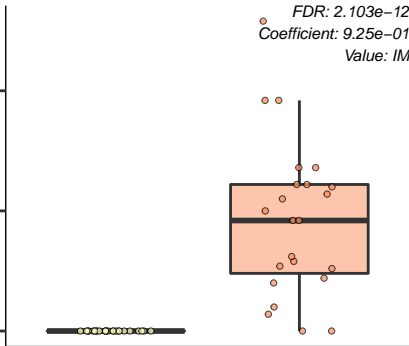
50

0

REF (n=24)

IM (n=23)

Diet



f\_\_Peptostreptococcaceae

*FDR: 1.091e-11*  
*Coefficient: -2.53e+00*  
*Value: IM*

15000

10000

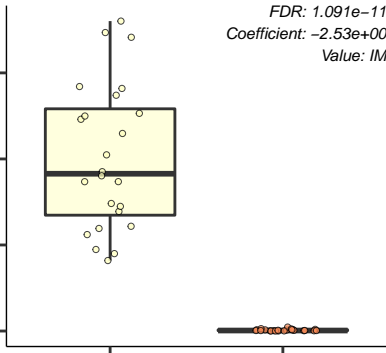
5000

0

REF (n=24)

IM (n=23)

Diet



f\_Eggerthellaceae

400

300

200

100

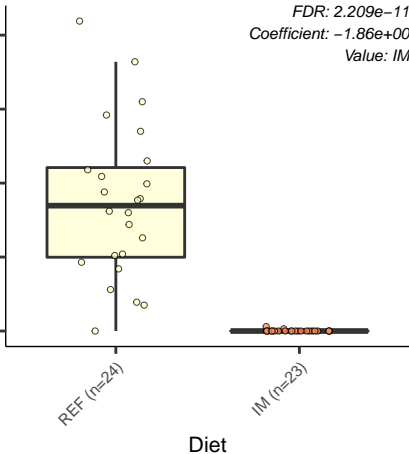
0

REF (n=24)

IM (n=23)

Diet

FDR:  $2.209 \times 10^{-11}$   
Coefficient:  $-1.86 \times 10^0$   
Value: IM





Corynebacterium.1

FDR:  $1.156 \times 10^{-10}$   
Coefficient:  $1.05 \times 10^0$   
Value: IM

10000

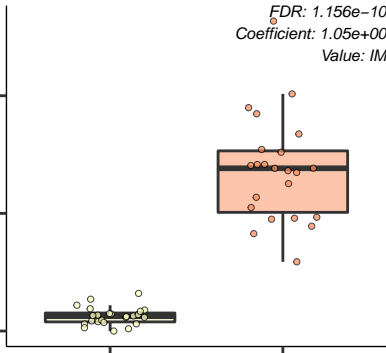
5000

0

REF (n=24)

IM (n=23)

Diet



Ornithinibacillus

15000

10000

5000

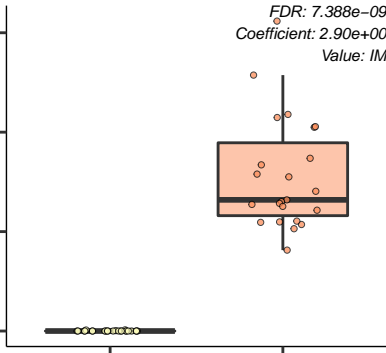
0

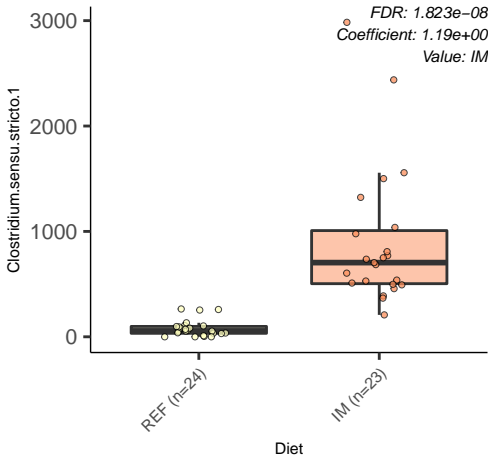
REF (n=24)

IM (n=23)

Diet

FDR:  $7.388e-09$   
Coefficient:  $2.90e+00$   
Value: IM





Brevibacterium

*FDR: 1.939e-08*  
*Coefficient: 1.22e+00*  
*Value: IM*

2000

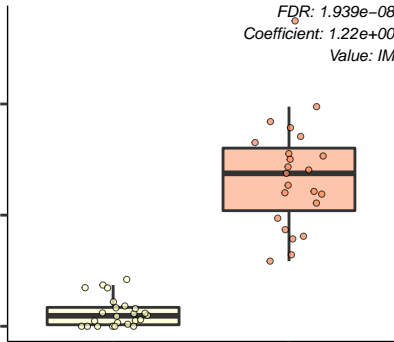
1000

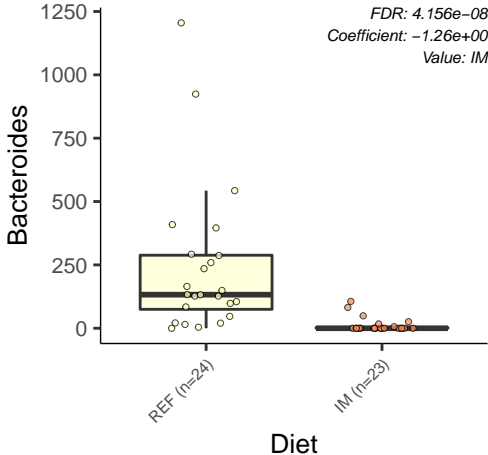
0

REF (n=24)

IM (n=23)

Diet





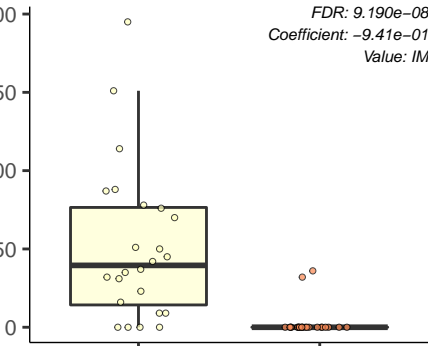
Glutamicibacter

*FDR: 9.190e-08*  
*Coefficient: -9.41e-01*  
*Value: IM*

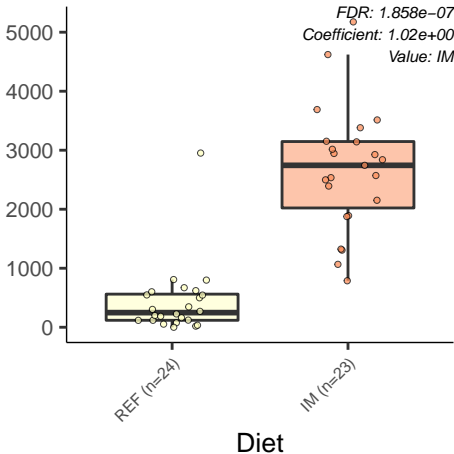
REF (n=24)

IM (n=23)

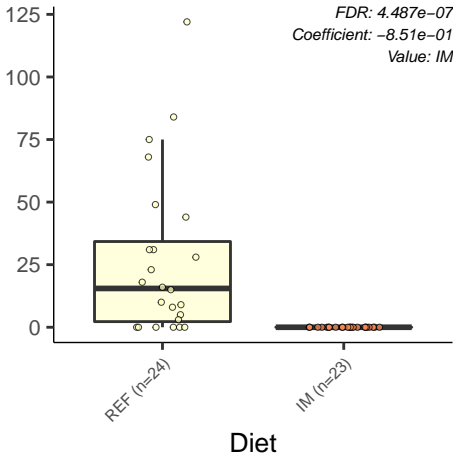
Diet



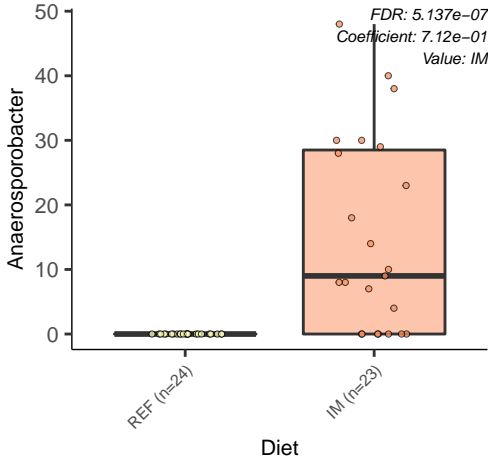
Globicatella



Cerasibacillus







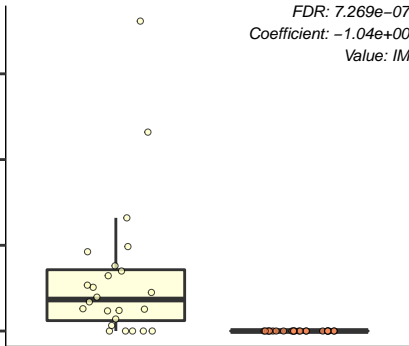
f\_\_Erysipelotrichaceae

FDR: 7.269e-07  
Coefficient: -1.04e+00  
Value: IM

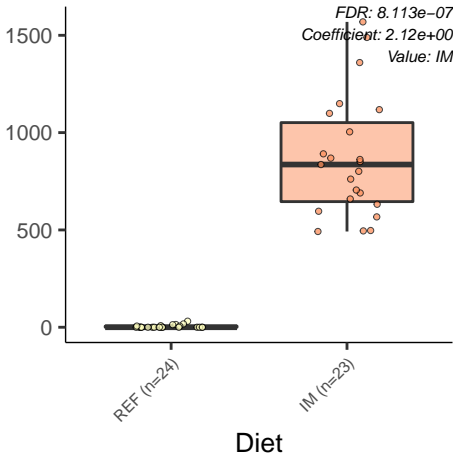
REF (n=24)

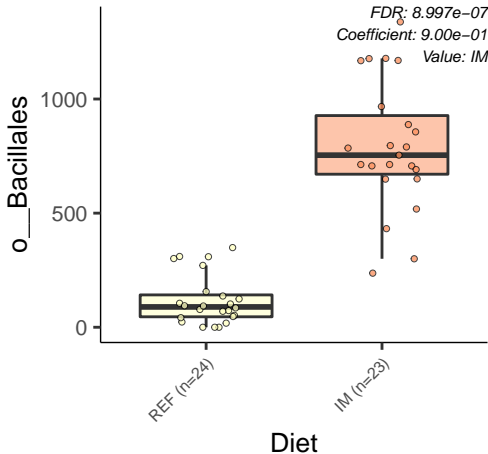
IM (n=23)

Diet



Microbacterium





Exiguobacterium

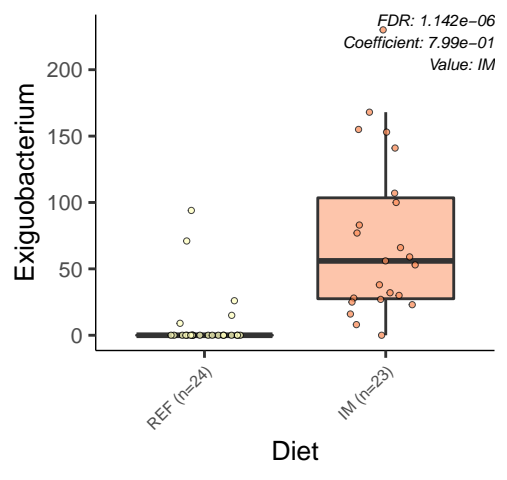
FDR:  $1.142e-06$   
Coefficient:  $7.99e-01$   
Value: IM

REF (n=24)

IM (n=23)

Diet

200  
150  
100  
50  
0



f\_Planococcaceae

FDR: 1.421e-06  
Coefficient: 9.69e-01  
Value: IM

900

600

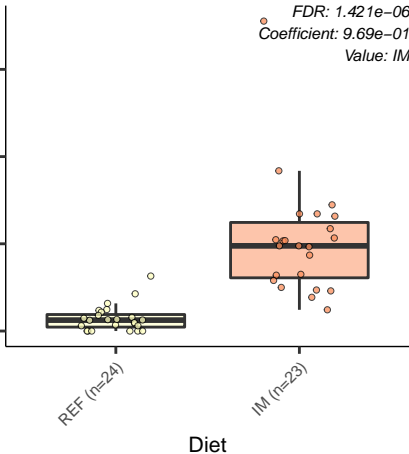
300

0

REF (n=24)

IM (n=23)

Diet



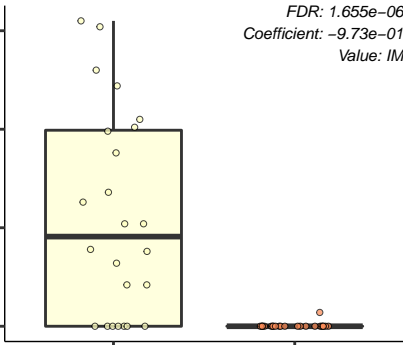
Curtobacterium

FDR:  $1.655e-06$   
Coefficient:  $-9.73e-01$   
Value: IM

REF (n=24)

IM (n=23)

Diet



Erysipelatoclostridium

*FDR: 3.392e-06*  
*Coefficient: 8.13e-01*  
*Value: IM*

100

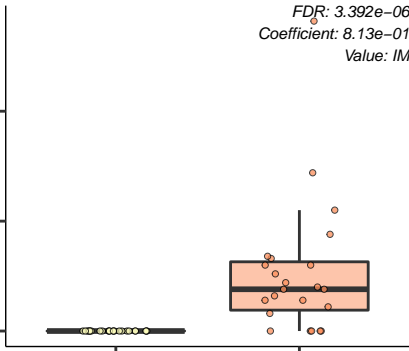
50

0

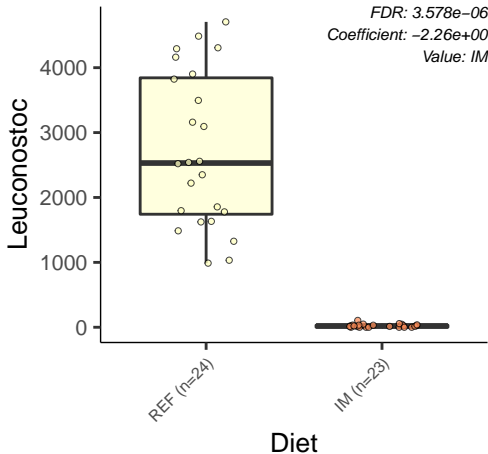
REF (n=24)

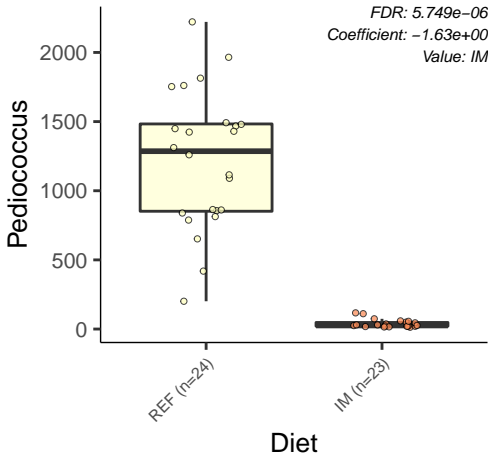
IM (n=23)

Diet









Megasphaera

FDR:  $5.824e-06$   
Coefficient:  $-5.86e-01$   
Value: IM

200

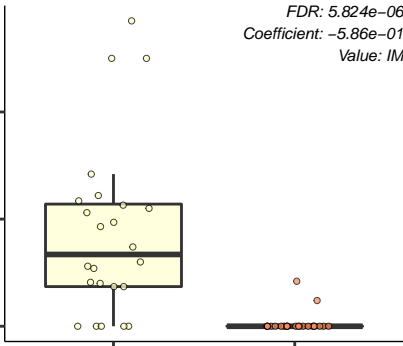
100

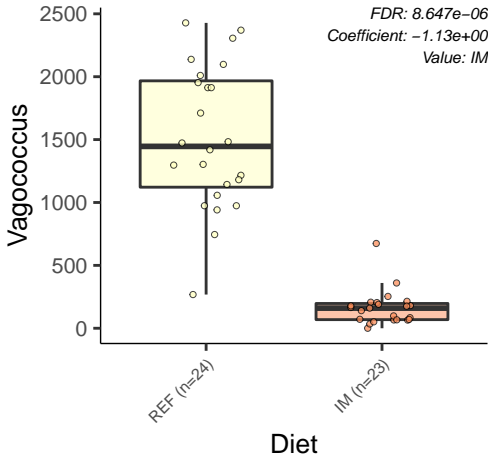
0

REF (n=24)

IM (n=23)

Diet





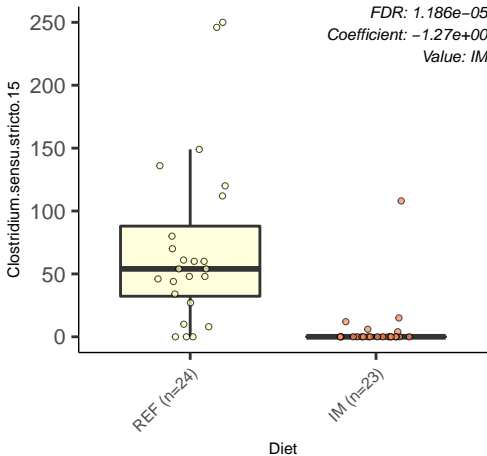
Clostridium.sensu.stricto.15

*FDR: 1.186e-05*  
*Coefficient: -1.27e+00*  
*Value: IM*

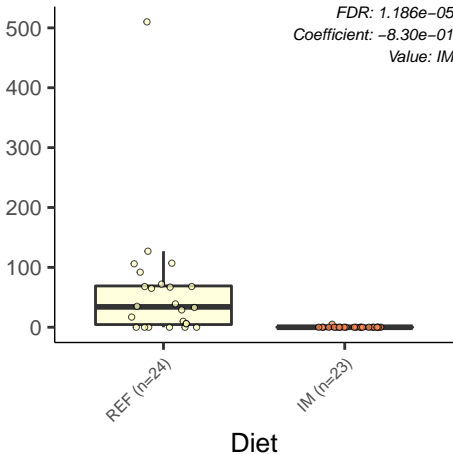
REF (n=24)

IM (n=23)

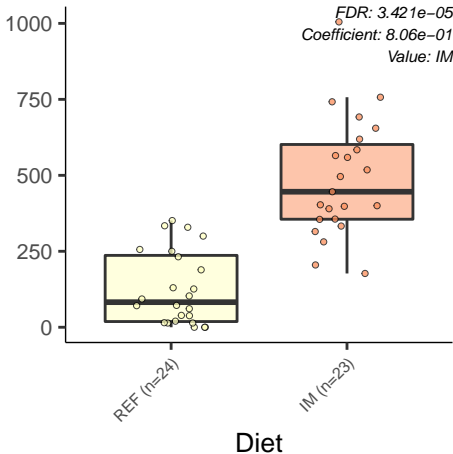
Diet

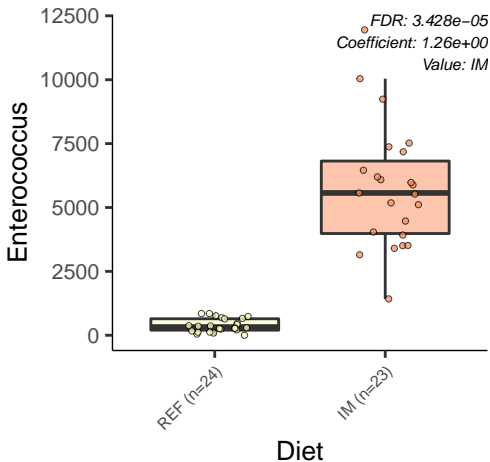


Hatheway



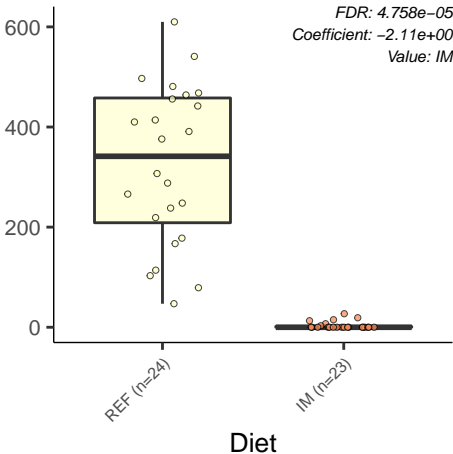
Macrooccus







Tepidimicrobium



f\_Acidaminococcaceae

100

50

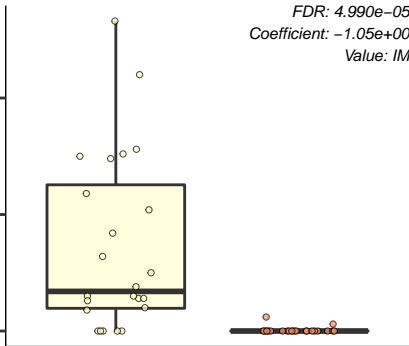
0

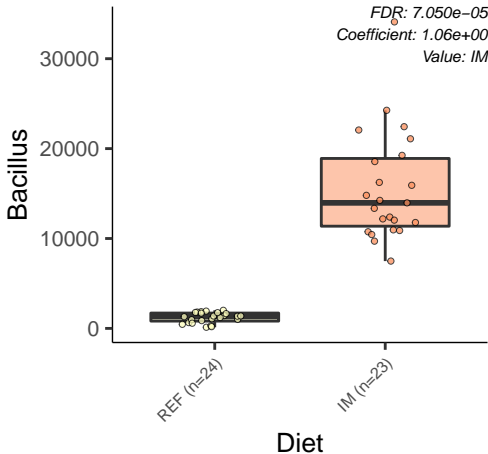
REF (n=24)

IM (n=23)

Diet

FDR:  $4.990e-05$   
Coefficient:  $-1.05e+00$   
Value: IM





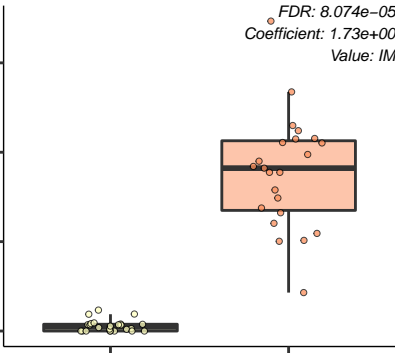
f\_Enterococcaceae

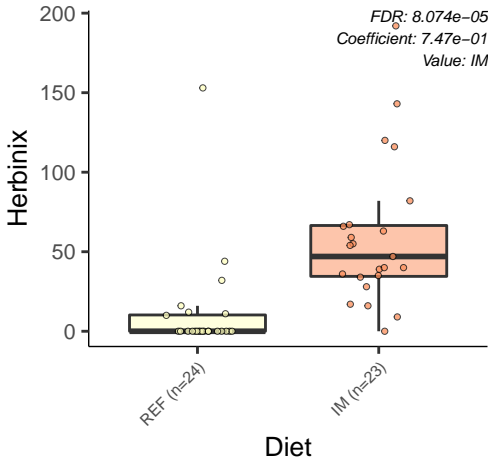
FDR:  $8.074e-05$   
Coefficient:  $1.73e+00$   
Value: IM

REF (n=24)

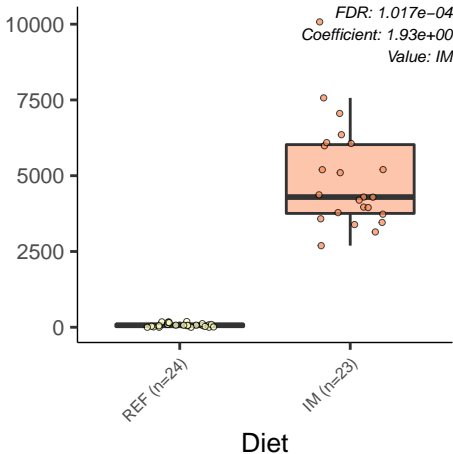
IM (n=23)

Diet

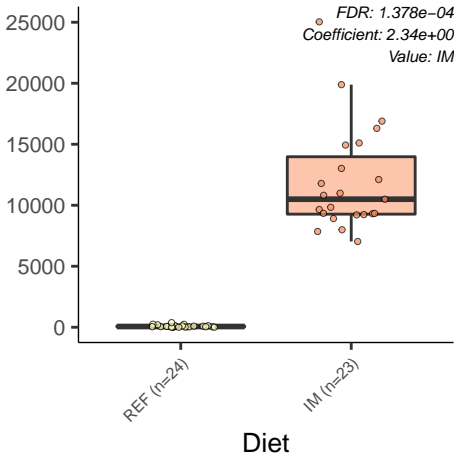


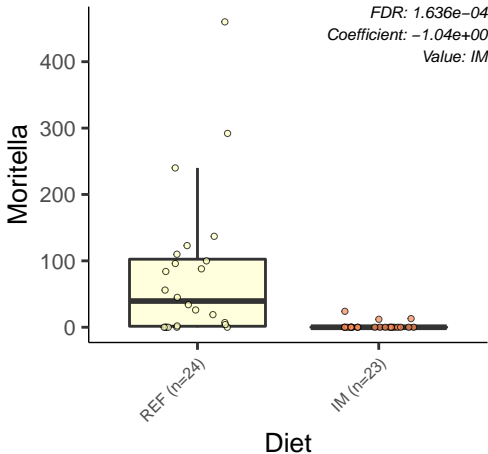


Lysinibacillus

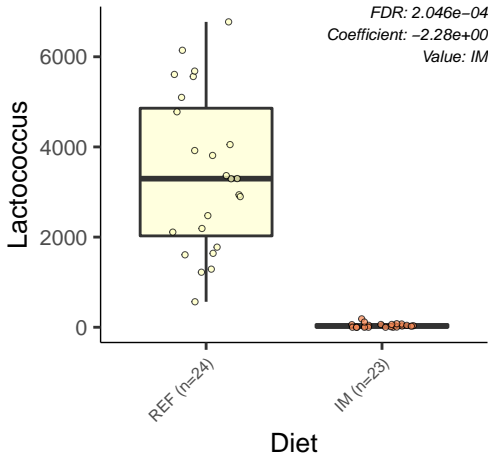


f\_Bacillaceae









o\_Lactobacillales

FDR:  $2.046e-04$   
Coefficient:  $1.85e+00$   
Value: IM

9000

6000

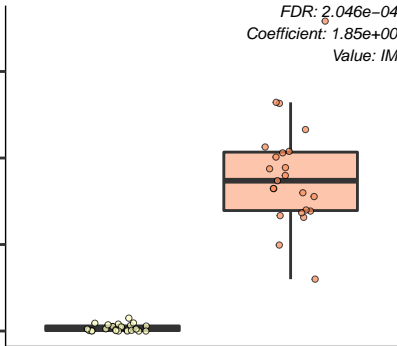
3000

0

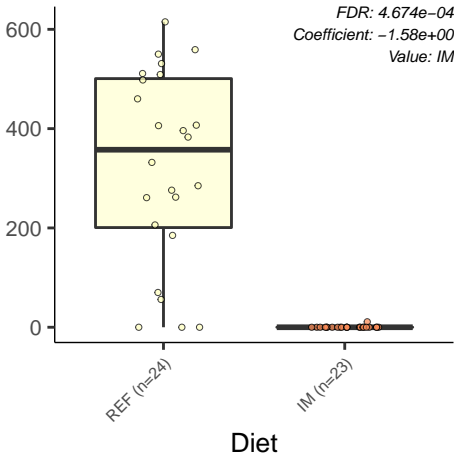
REF (n=24)

IM (n=23)

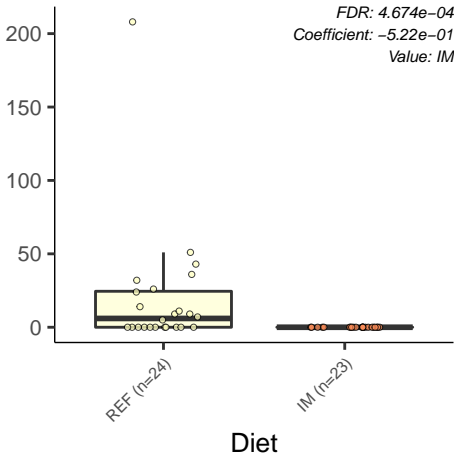
Diet



Carnobacterium



Yaniella



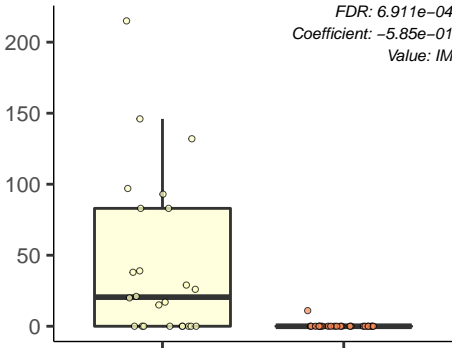
Sphaerochaeta

FDR:  $6.911e-04$   
Coefficient:  $-5.85e-01$   
Value: IM

REF (n=24)

IM (n=23)

Diet



Saccharopolyspora

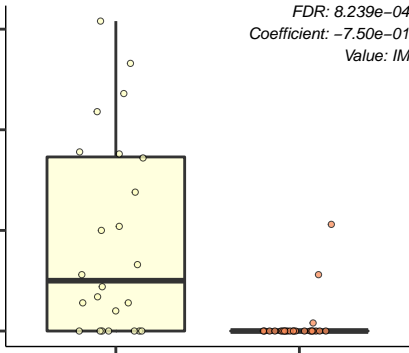
150  
100  
50  
0

REF (n=24)

IM (n=23)

Diet

FDR:  $8.239 \times 10^{-4}$   
Coefficient:  $-7.50 \times 10^{-1}$   
Value: IM



Calditerricola

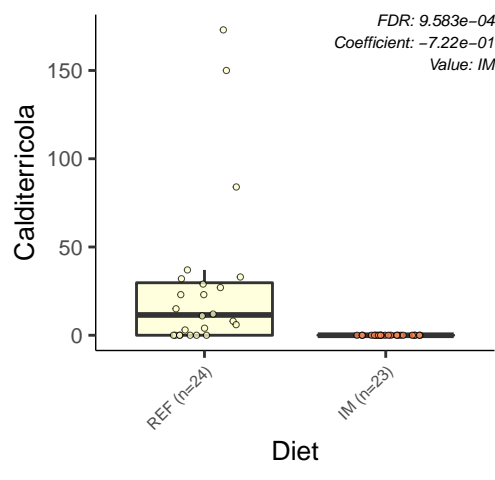
FDR:  $9.583e-04$   
Coefficient:  $-7.22e-01$   
Value: IM

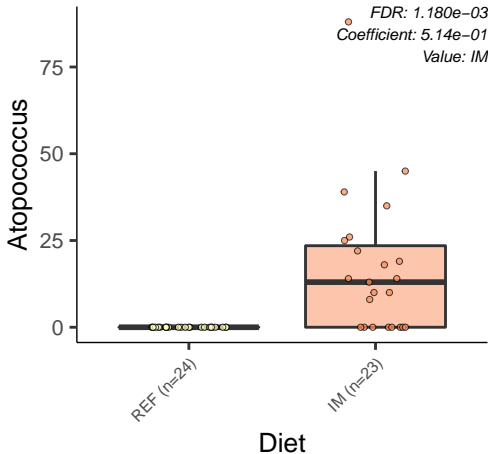
REF (n=24)

IM (n=23)

Diet

150  
100  
50  
0







f\_Paenibacillaceae

40

20

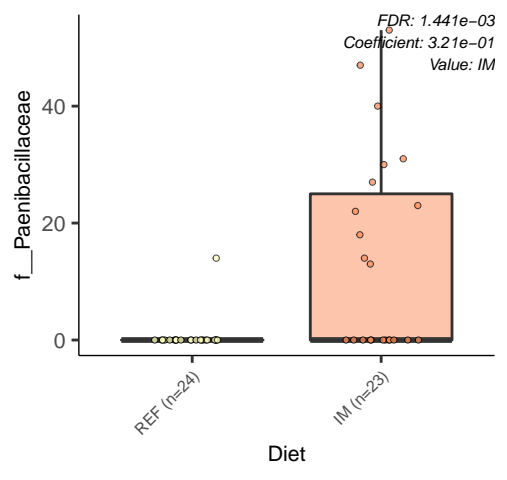
0

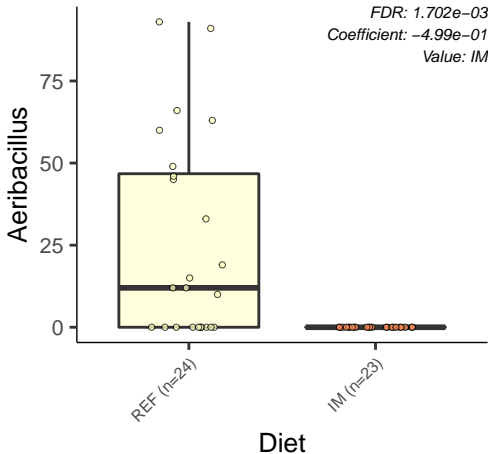
REF (n=24)

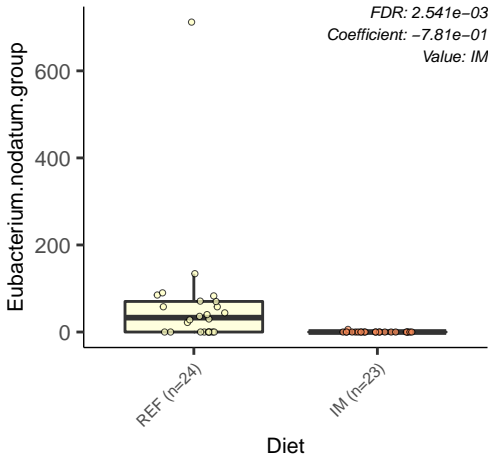
IM (n=23)

Diet

FDR:  $1.441e-03$   
Coefficient:  $3.21e-01$   
Value: IM







Acidipropionibacterium

300

200

100

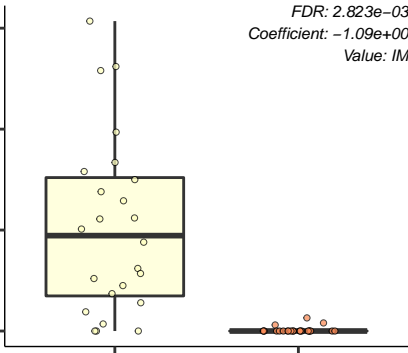
0

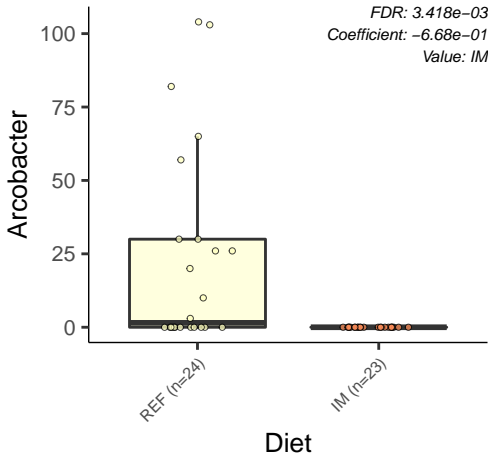
REF (n=24)

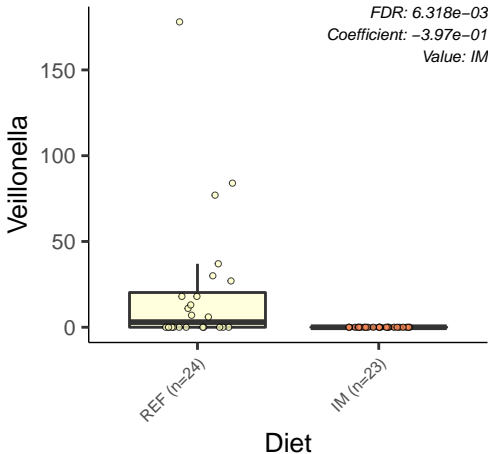
IM (n=23)

Diet

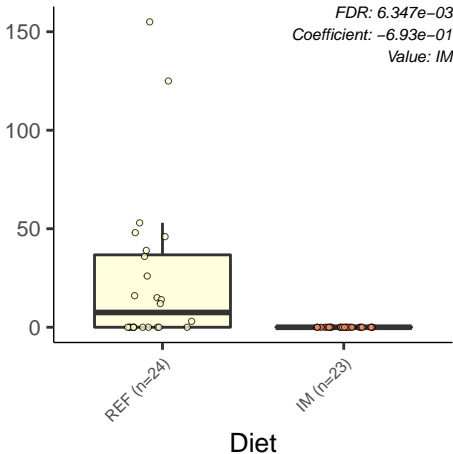
*FDR: 2.823e-03*  
*Coefficient: -1.09e+00*  
*Value: IM*

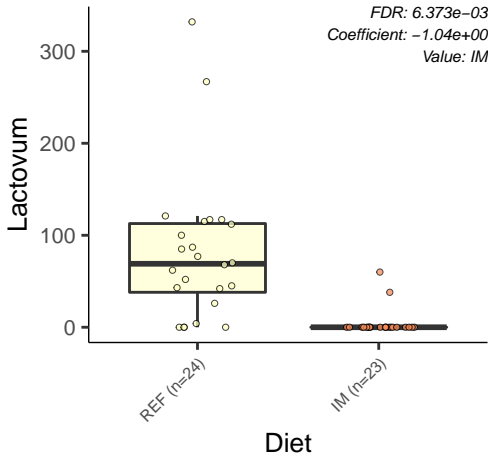




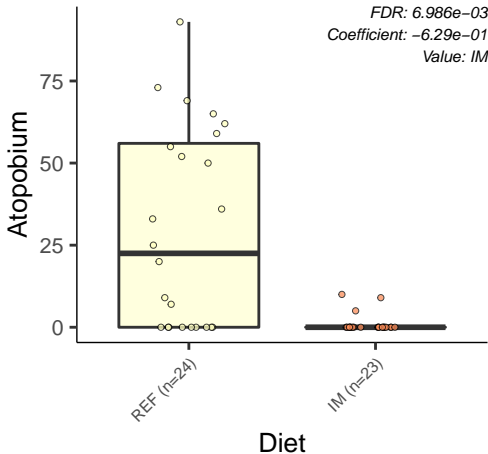


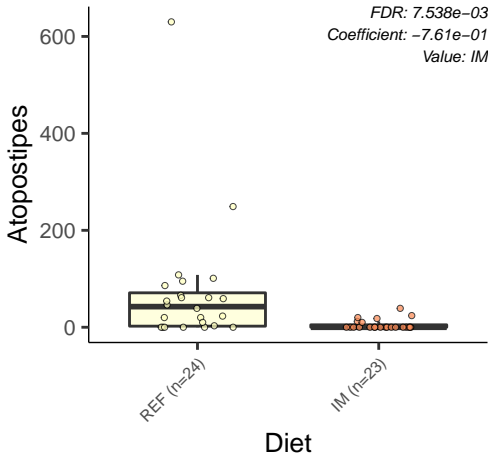
Shewanella











Saccharomonospora

FDR:  $7.720e-03$   
Coefficient:  $6.83e-01$   
Value: IM

100

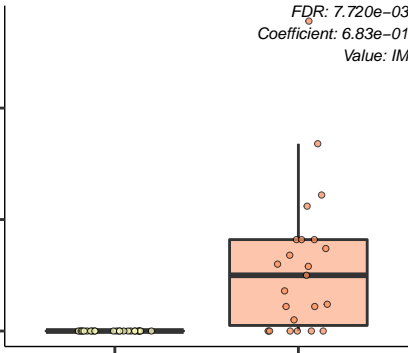
50

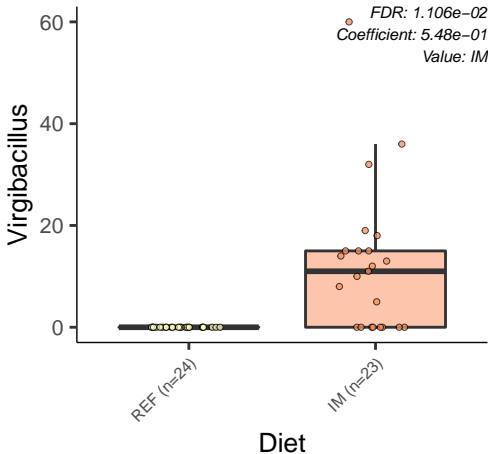
0

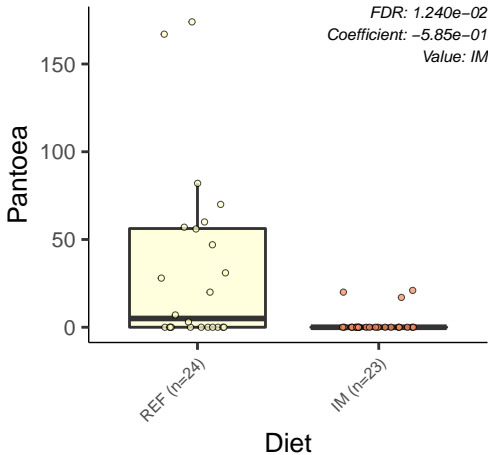
REF (n=24)

IM (n=23)

Diet









*FDR: 1.251e-02*

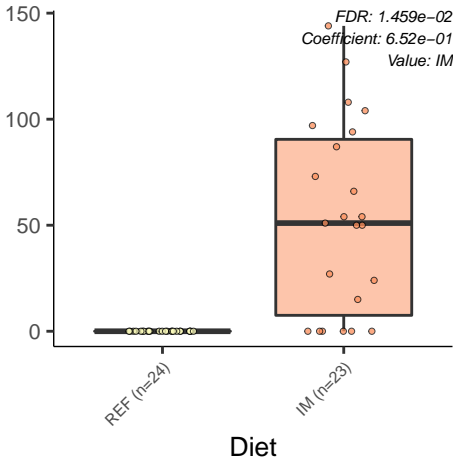
Coefficient:  $-5.46e-01$

Value: IM



## Diet

Anaerocolumnna



Value: IM



REF (n=24)

IM (n=23)

## Diet



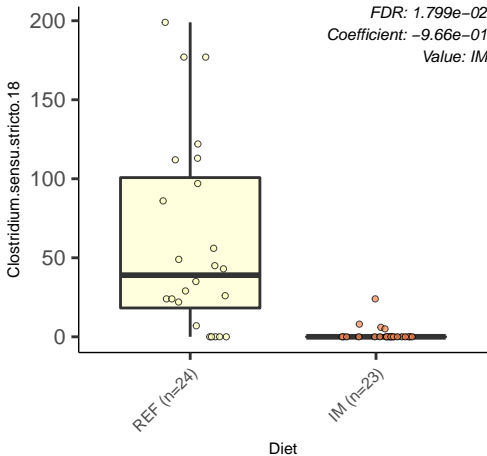
Clostridium.sensu.stricto.18

FDR: 1.799e-02  
Coefficient: -9.66e-01  
Value: IM

REF (n=24)

IM (n=23)

Diet



Brochothrix

FDR: 1.822e-02

Coefficient: -8.70e-01

Value: IM

200

150

100

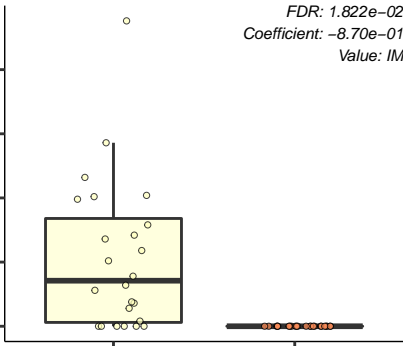
50

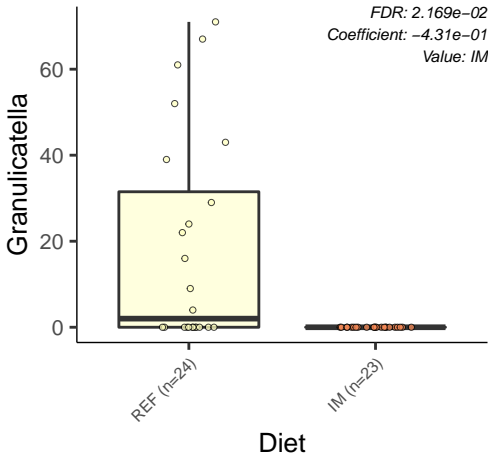
0

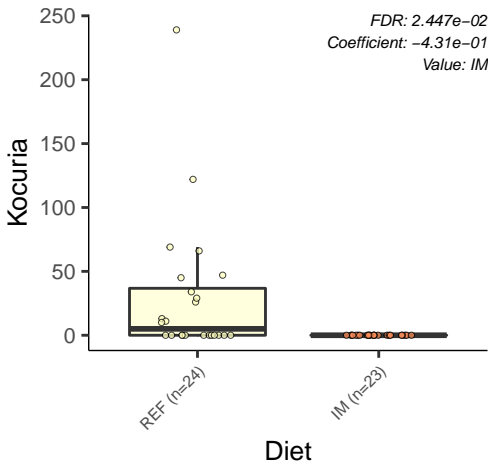
REF (n=24)

IM (n=23)

Diet







Spingobacterium

1000

500

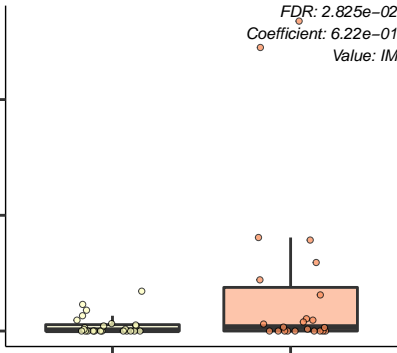
0

REF (n=24)

IM (n=23)

Diet

FDR: 2.825e-02  
Coefficient: 6.22e-01  
Value: IM



Paenibacillus

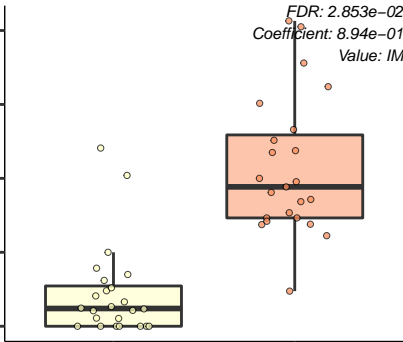
800  
600  
400  
200  
0

REF (n=24)

IM (n=23)

Diet

FDR:  $2.853e-02$   
Coefficient:  $8.94e-01$   
Value: IM



Tissierella

*FDR: 3.052e-02*  
*Coefficient: -1.04e+00*  
*Value: IM*

200

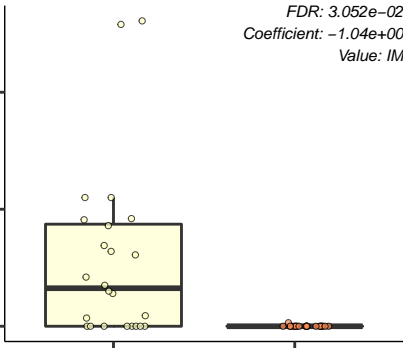
100

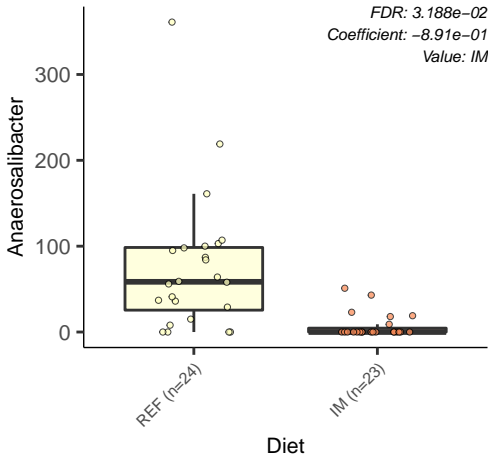
0

REF (n=24)

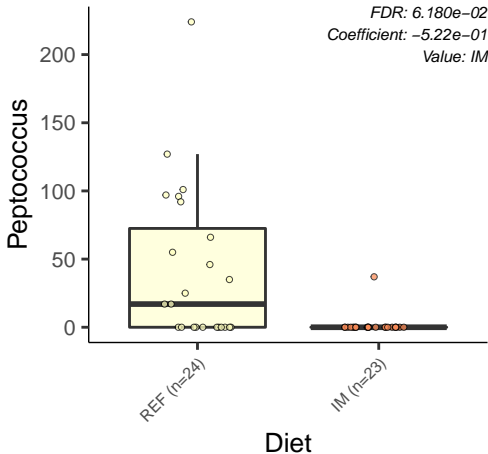
IM (n=23)

Diet









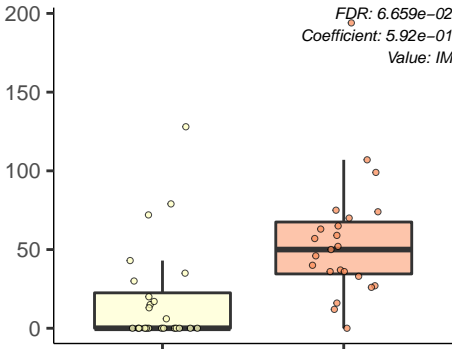
Nosocomiicoccus

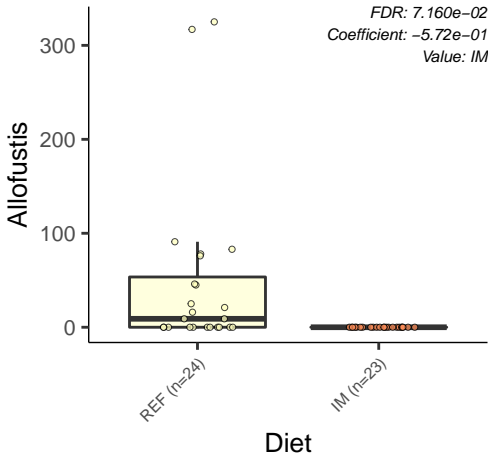
FDR:  $6.659e-02$   
Coefficient:  $5.92e-01$   
Value: IM

REF (n=24)

IM (n=23)

Diet





Pseudomonas

*FDR: 8.404e-02*  
*Coefficient: -4.54e-01*  
*Value: IM*

200

100

0

REF (n=24)

IM (n=23)

Diet

