

COG1117

*FDR: 8.679e-07*

*Coefficient: -5.78e-01*

*N: 139*

6e-04

4e-04

2e-04

0e+00

-2.0

-1.5

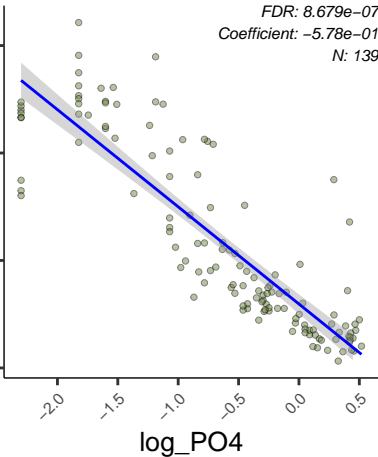
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-0.5

0.0

0.5

log\_PO4



COG0226

0.00075

0.00050

0.00025

0.00000

-2.0

-1.5

-1.0

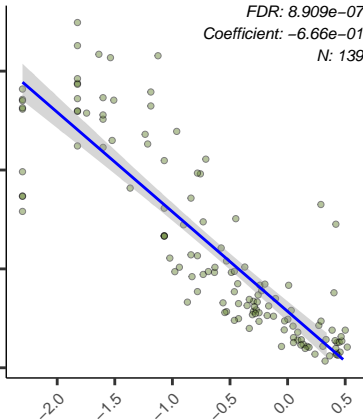
-0.5

0.0

0.5

log\_PO4

*FDR: 8.909e-07*  
*Coefficient: -6.66e-01*  
*N: 139*



COG0394

*FDR: 9.094e-07*

*Coefficient: -2.10e-01*

*N: 139*

6e-04

5e-04

4e-04

3e-04

2e-04

-2.0

-1.5

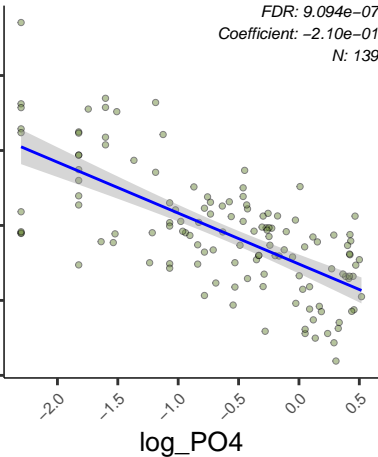
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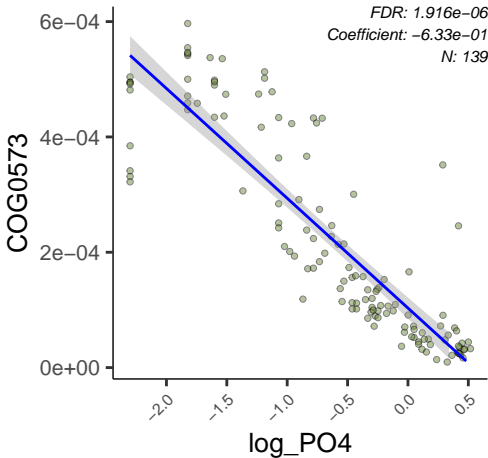
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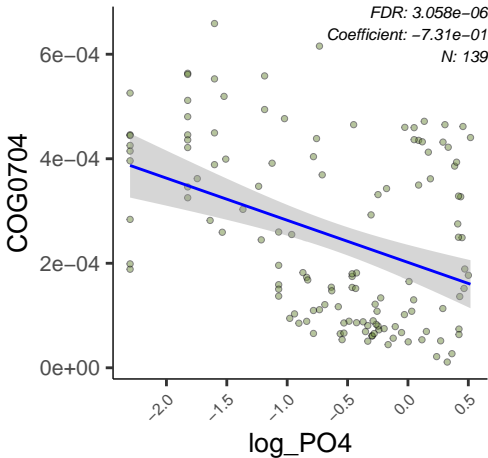
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0.5

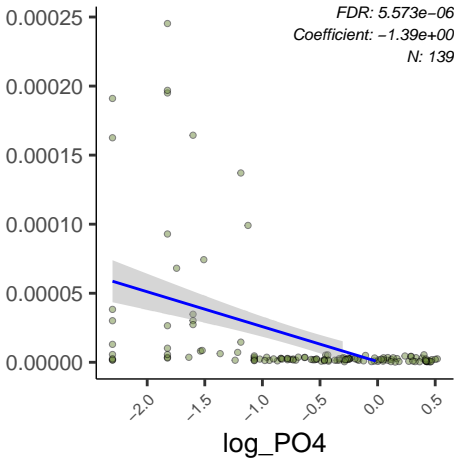
log\_PO4



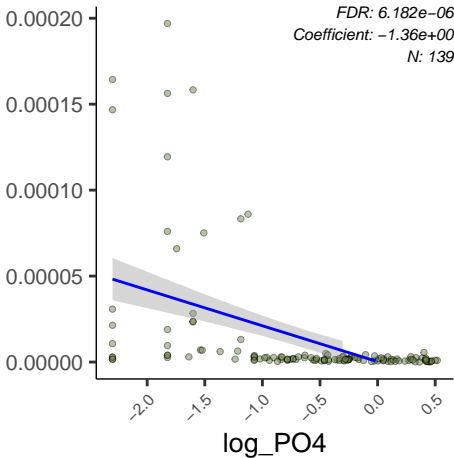




COG3627



COG3624





COG0248

6e-04

4e-04

2e-04

-2.0

-1.5

-1.0

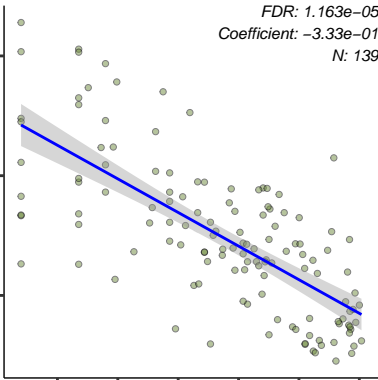
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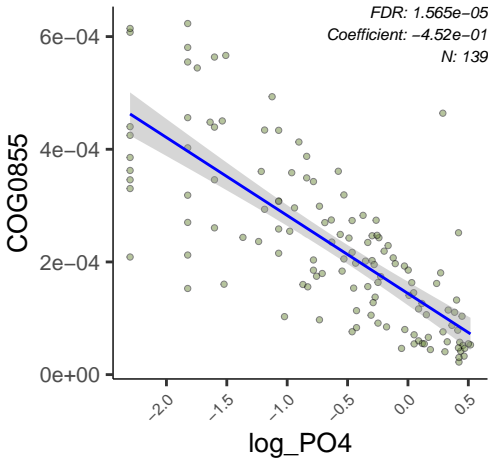
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0.5

log\_PO4

*FDR: 1.163e-05*  
*Coefficient: -3.33e-01*  
*N: 139*





COG3625

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

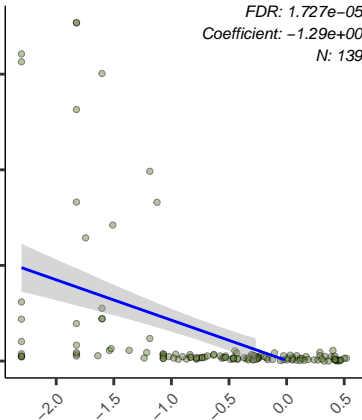
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0.0

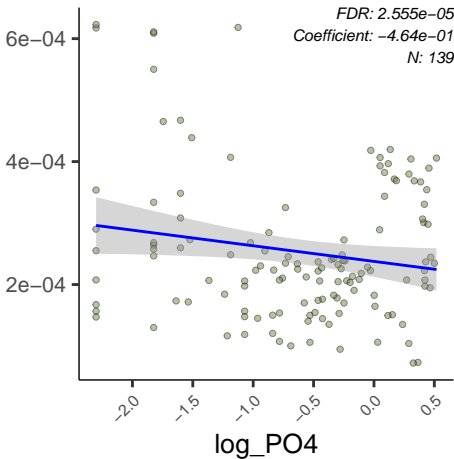
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log\_PO4

*FDR: 1.727e-05*  
*Coefficient: -1.29e+00*  
*N: 139*

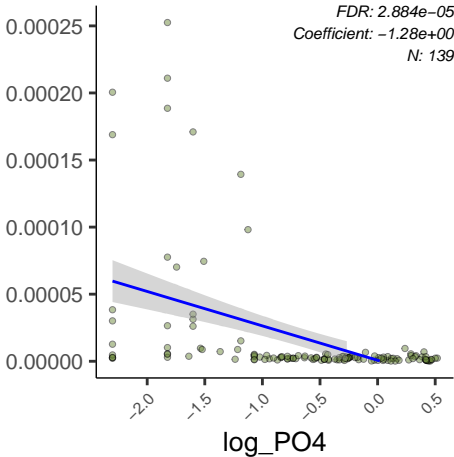


COG3639



COG3626

*FDR: 2.884e-05*  
*Coefficient: -1.28e+00*  
*N: 139*



COG3655

FDR:  $4.454e-05$   
Coefficient:  $7.39e-01$   
N: 139

$7.5e-05$

$5.0e-05$

$2.5e-05$

$0.0e+00$

-2.0

-1.5

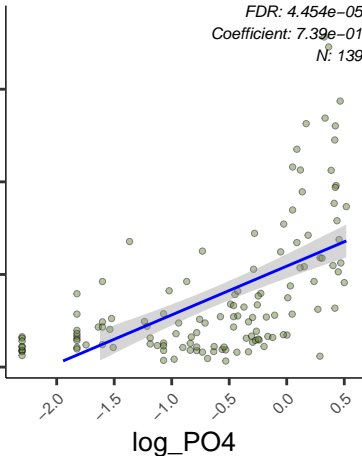
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-0.5

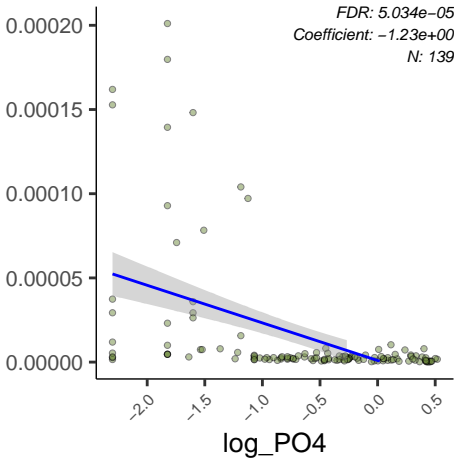
0.0

0.5

log\_PO4



COG4778



COG4107

*FDR: 6.373e-05*

*Coefficient: -1.27e+00*

*N: 139*

2e-04

1e-04

0e+00

-2.0

-1.5

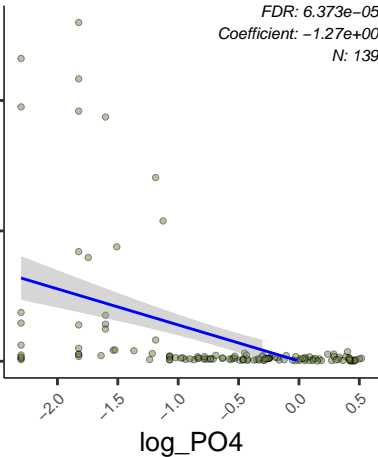
-1.0

-0.5

0.0

0.5

log\_PO4





COG3296

*FDR: 1.838e-04*  
*Coefficient: 9.94e-01*  
*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

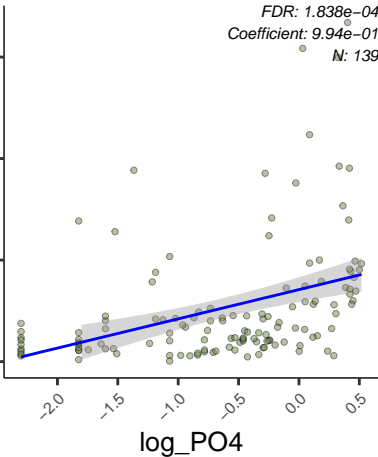
-1.0

-0.5

0.0

0.5

log\_PO4



COG3615

*FDR: 2.147e-04*  
*Coefficient: 2.98e+00*  
*N: 139*

8e-06

6e-06

4e-06

2e-06

0e+00

-2.0

-1.5

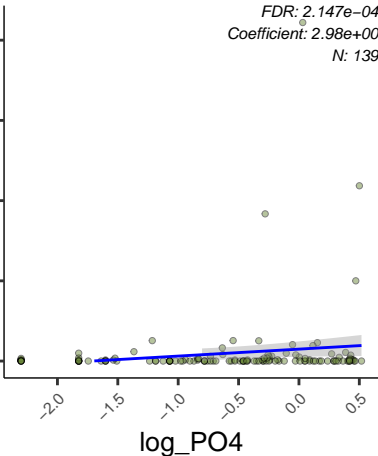
-1.0

-0.5

0.0

0.5

log\_PO4



COG1392

*FDR: 2.247e-04*

*Coefficient: 4.65e-01*

*N: 139*

2e-04

1e-04

0e+00

-2.0

-1.5

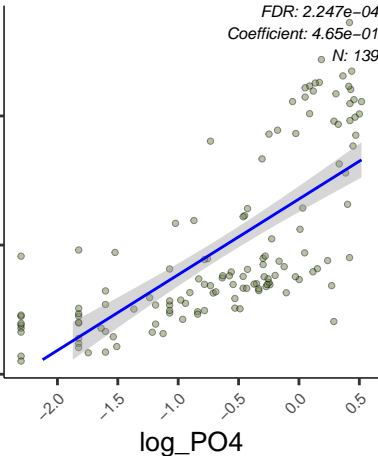
-1.0

-0.5

0.0

0.5

log\_PO4



COG3112

FDR: 2.247e-04  
Coefficient: 2.60e+00  
N: 139

4e-05

2e-05

0e+00

-2.0

-1.5

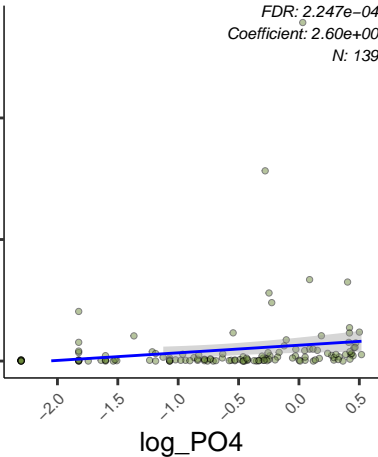
-1.0

-0.5

0.0

0.5

log\_PO4



COG4263

*FDR: 2.406e-04*  
*Coefficient: 1.27e+00*  
*N: 139*

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

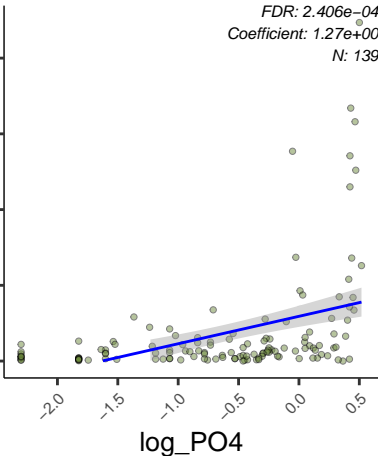
-1.0

-0.5

0.0

0.5

log\_PO4



COG5421

7.5e-05

5.0e-05

2.5e-05

0.0e+00

*FDR: 2.509e-04*

*Coefficient: 1.23e+00*

*N: 139*

-2.0

-1.5

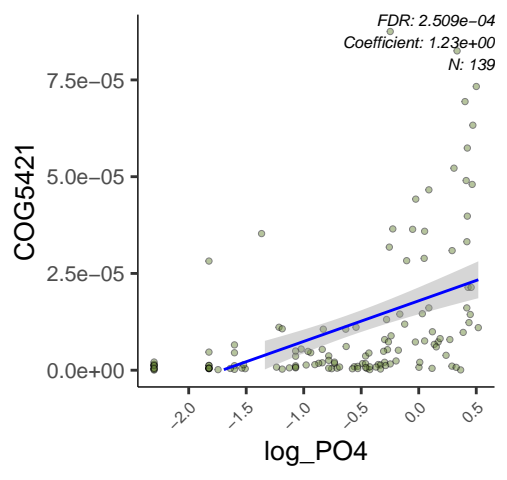
-1.0

-0.5

0.0

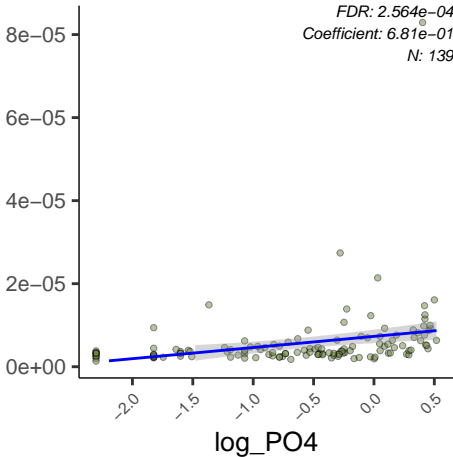
0.5

log\_PO4



COG3886

*FDR: 2.564e-04*  
*Coefficient: 6.81e-01*  
*N: 139*



COG4247

0.00015

0.00010

0.00005

-2.0

-1.5

-1.0

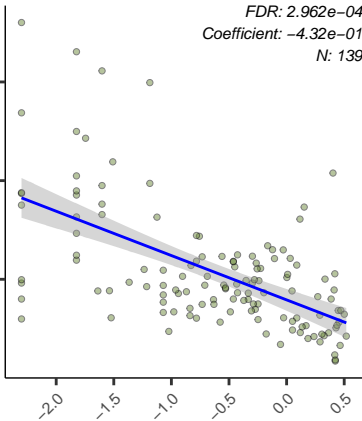
-0.5

0.0

0.5

log\_PO4

*FDR: 2.962e-04*  
*Coefficient: -4.32e-01*  
*N: 139*





COG3454

*FDR: 3.169e-04*

*Coefficient: -1.06e+00*

*N: 139*

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

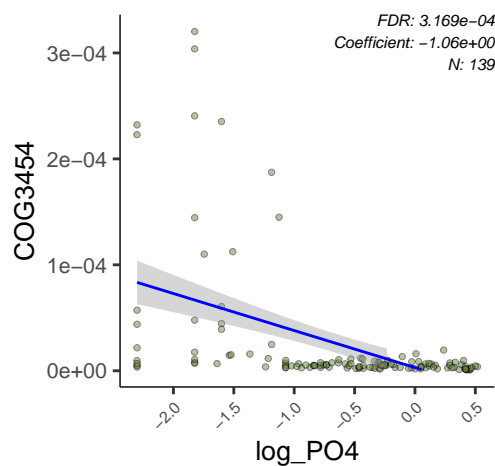
-1.0

-0.5

0.0

0.5

log\_PO4



COG3057

*FDR: 3.469e-04*  
*Coefficient: 1.96e+00*  
*N: 139*

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

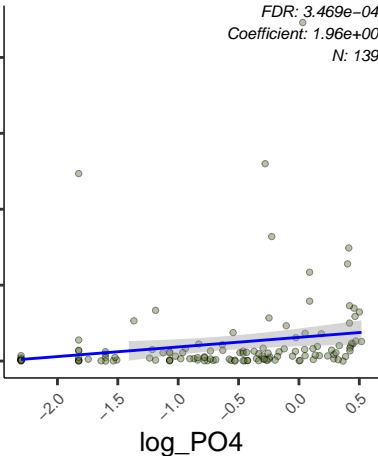
-1.0

-0.5

0.0

0.5

log\_PO4



COG0306

*FDR: 3.484e-04*  
*Coefficient: 2.50e-01*  
*N: 139*

3e-04

2e-04

1e-04

-2.0

-1.5

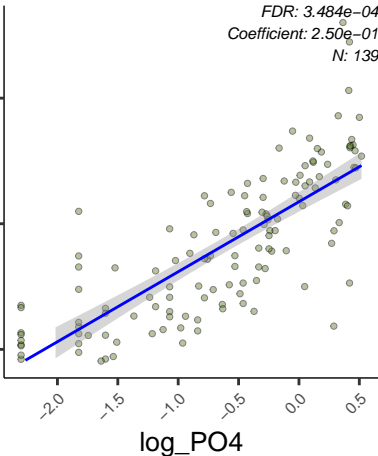
-1.0

-0.5

0.0

0.5

log\_PO4



COG3783

*FDR: 3.733e-04*  
*Coefficient: 3.12e+00*  
*N: 139*

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

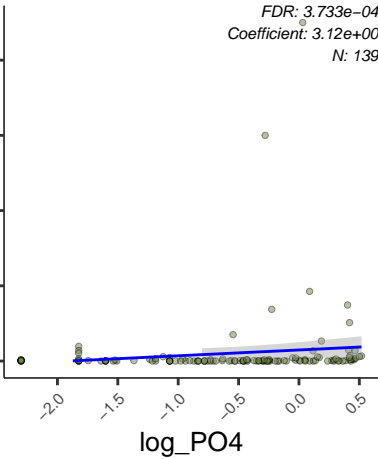
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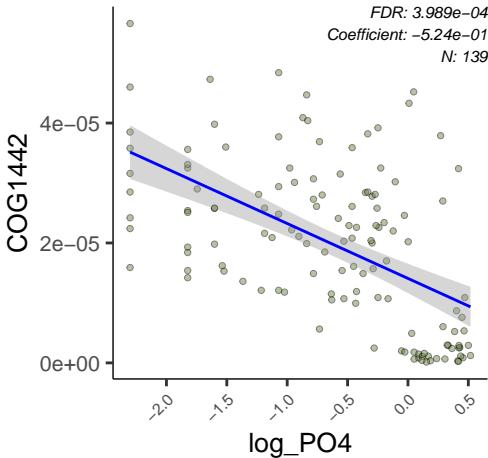
-0.5

0.0

0.5

log\_PO4





COG4682

FDR:  $3.989\text{e-}04$   
Coefficient:  $1.21\text{e+}00$   
N: 139

$3\text{e-}05$

$2\text{e-}05$

$1\text{e-}05$

$0\text{e+}00$

-2.0

-1.5

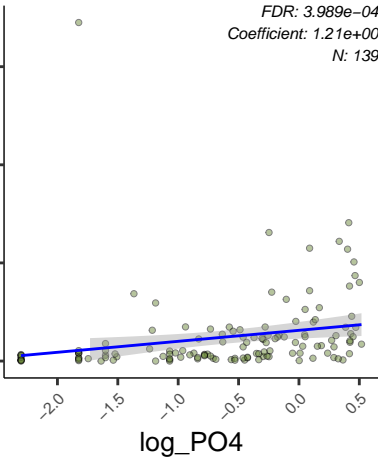
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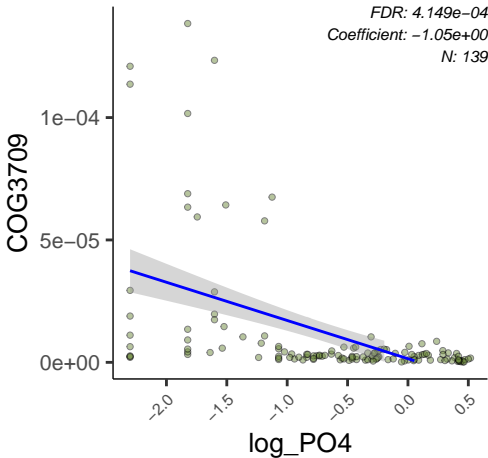
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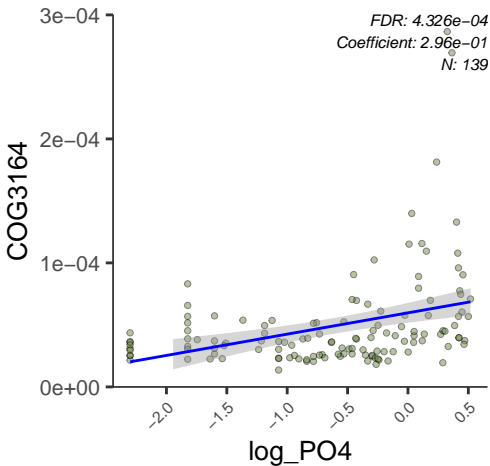
0.0

0.5

log\_PO4









COG3099

*FDR: 4.538e-04*  
*Coefficient: 3.35e+00*  
*N: 139*

4e-05

2e-05

0e+00

-2.0

-1.5

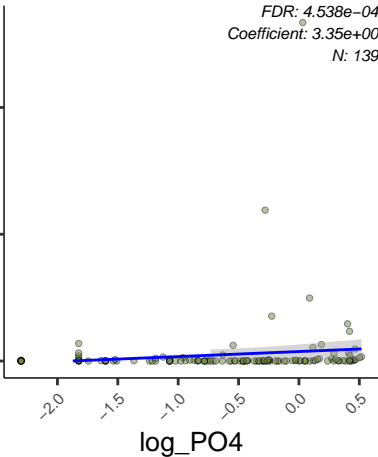
-1.0

-0.5

0.0

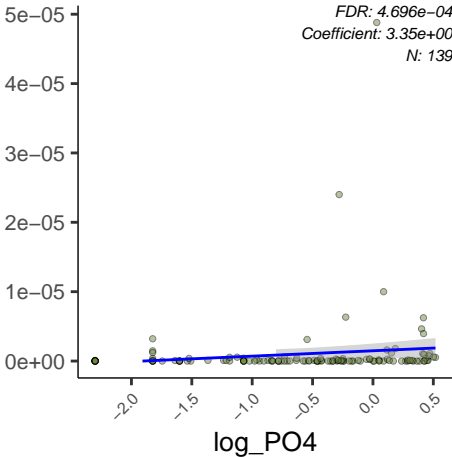
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log\_PO4



COG3978

*FDR: 4.696e-04*  
*Coefficient: 3.35e+00*  
*N: 139*



COG3287

*FDR: 5.339e-04*

*Coefficient: 1.11e+00*

*N: 139*

6e-05

4e-05

2e-05

0e+00

log\_PO4

-2.0

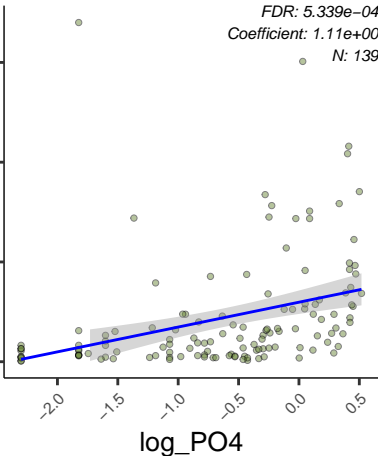
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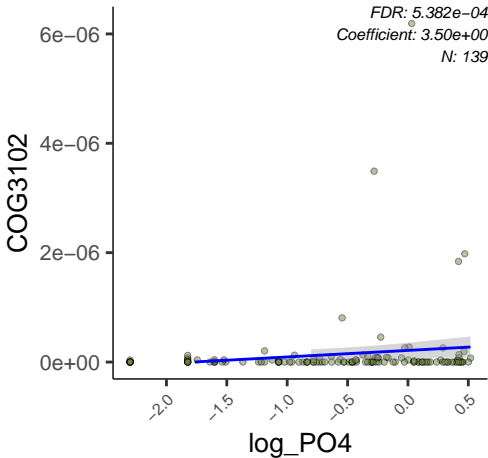
-1.0

-0.5

0.0

0.5





COG4628

*FDR: 5.493e-04*

*Coefficient: 1.27e+00*

*N: 139*

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

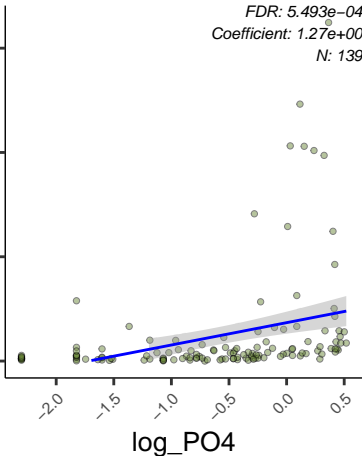
-1.0

-0.5

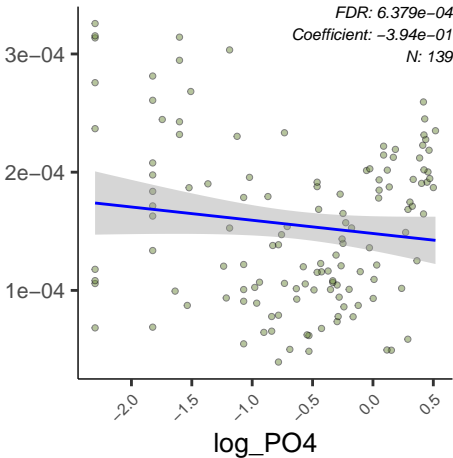
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0.5

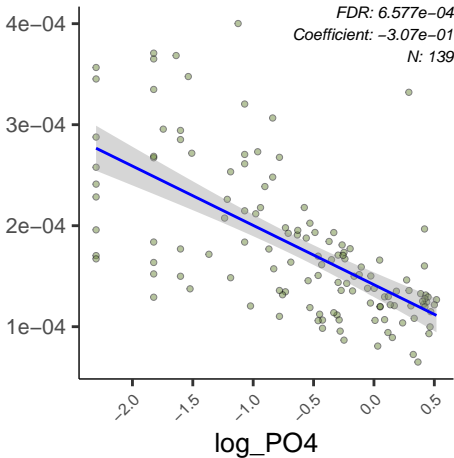
log\_PO4



COG1597



COG3638



COG4138

FDR:  $6.883\text{e-}04$

Coefficient:  $1.50\text{e+}00$

N: 139

$3\text{e-}05$

$2\text{e-}05$

$1\text{e-}05$

$0\text{e+}00$

-2.0

-1.5

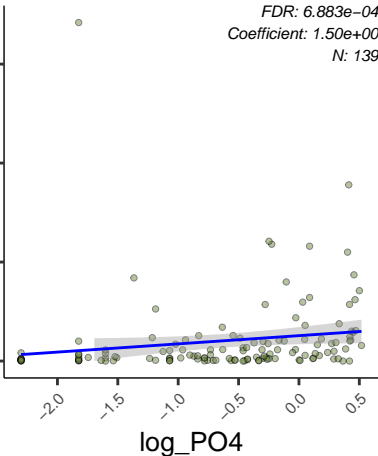
-1.0

-0.5

0.0

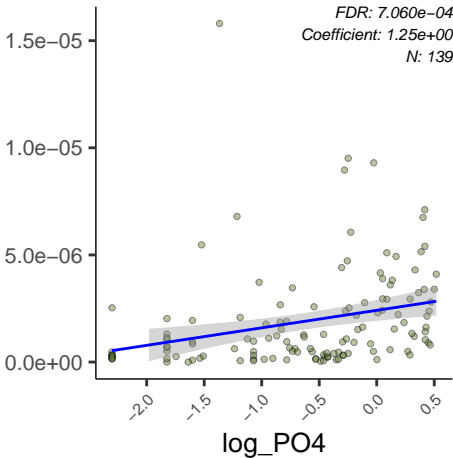
0.5

log\_PO4





COG4922



COG3197

*FDR: 7.093e-04*

*Coefficient: 1.47e+00*

*N: 139*

2.0e-05

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

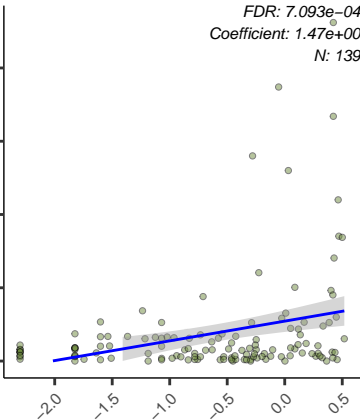
-1.0

-0.5

0.0

0.5

log\_PO4



COG3656

*FDR: 8.487e-04*  
*Coefficient: 1.20e+00*  
*N: 139*

4e-05

2e-05

0e+00

-2.0

-1.5

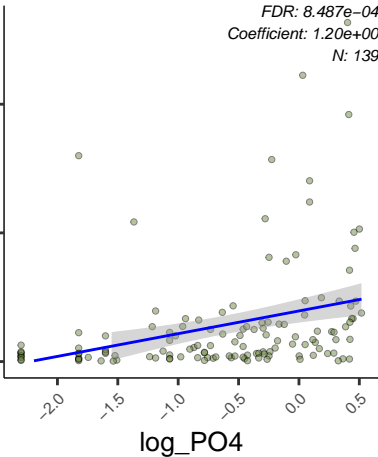
-1.0

-0.5

0.0

0.5

log\_PO4



COG4568

*FDR: 8.901e-04*  
*Coefficient: 1.74e+00*  
*N: 139*

1.5e-05

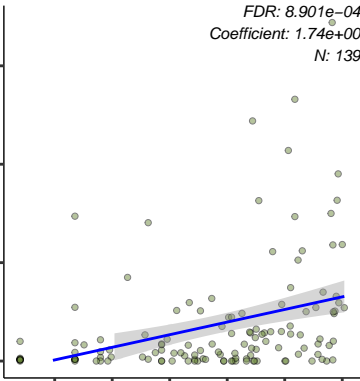
1.0e-05

5.0e-06

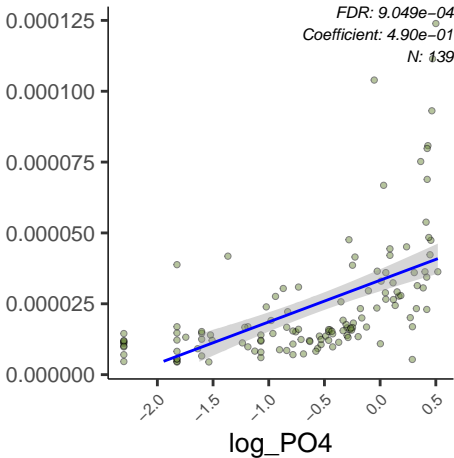
0.0e+00

-2.0 -1.5 -1.0 -0.5 0.0 0.5

log\_PO4



COG1887



COG3270

*FDR: 9.350e-04*  
*Coefficient: 2.52e+00*  
*N: 139*

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

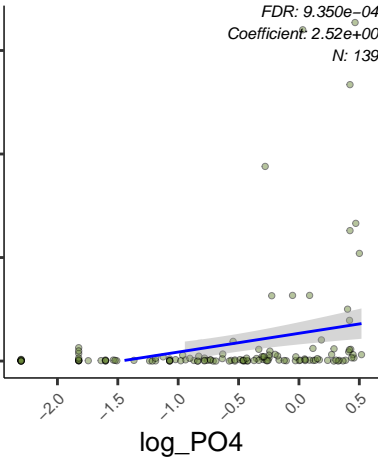
-1.0

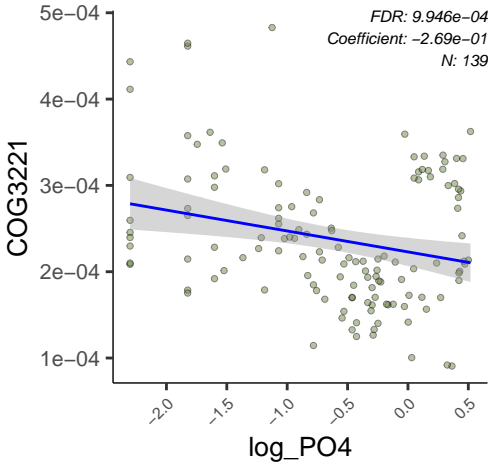
-0.5

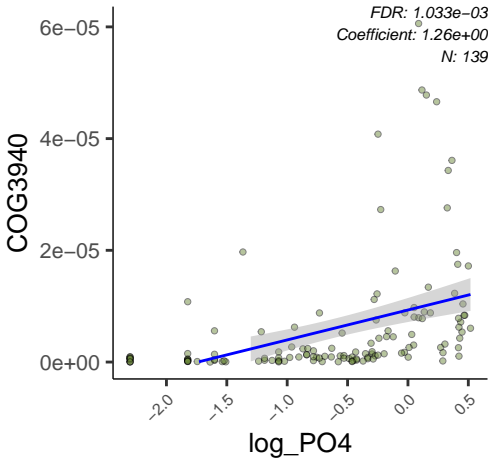
0.0

0.5

log\_PO4









COG4558

0.00015  
0.00010  
0.00005  
0.00000

-2.0

-1.5

-1.0

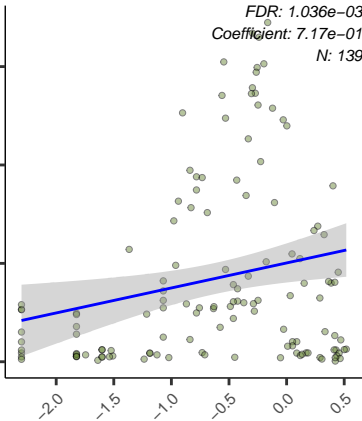
-0.5

0.0

0.5

log\_PO4

*FDR: 1.036e-03*  
*Coefficient: 7.17e-01*  
*N: 139*



COG5518

1.5e-05

1.0e-05

5.0e-06

0.0e+00

*FDR: 1.036e-03*

*Coefficient: 1.26e+00*

*N: 139*

-2.0

-1.5

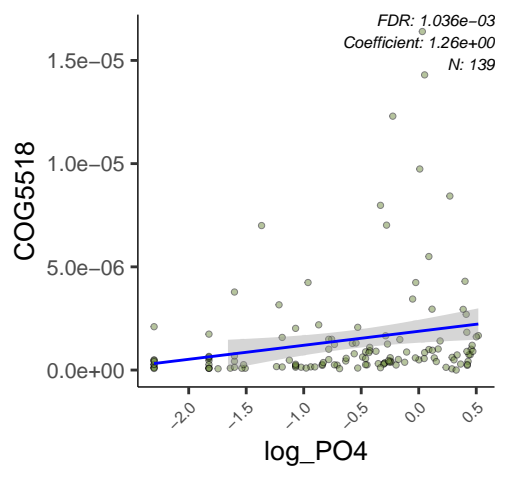
-1.0

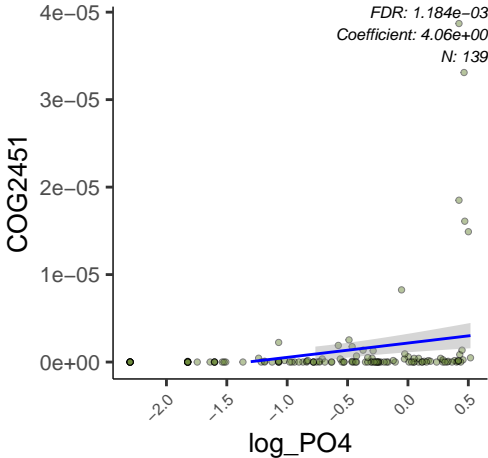
-0.5

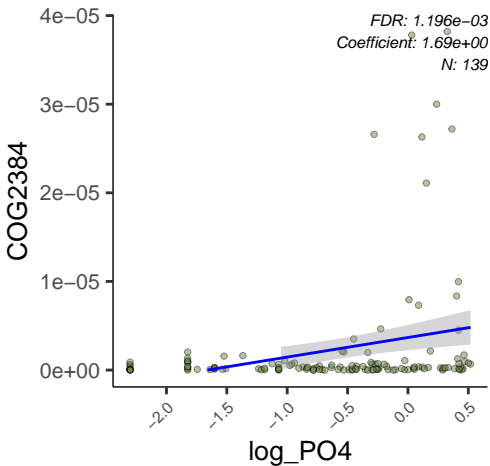
0.0

0.5

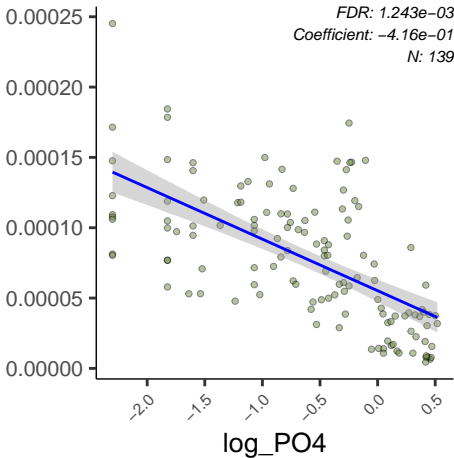
log\_PO4







COG4454



COG4564

*FDR: 1.244e-03*

*Coefficient: 8.61e-01*

*N: 139*

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

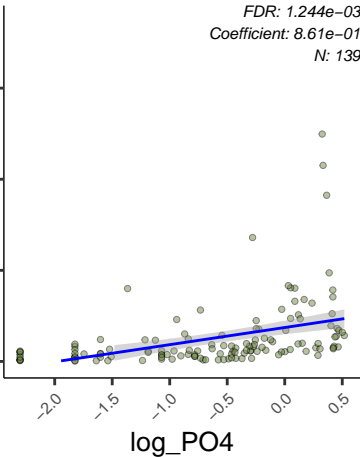
-1.0

-0.5

0.0

0.5

log\_PO4



COG4275

*FDR: 1.299e-03*

*Coefficient: 9.51e-01*

*N: 139*

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

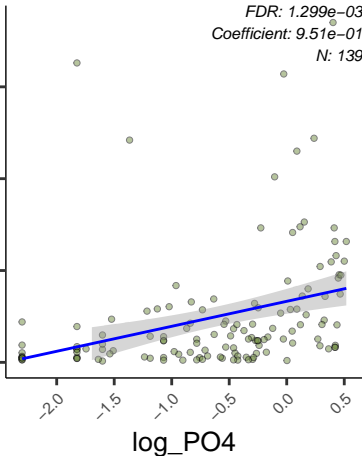
-1.0

-0.5

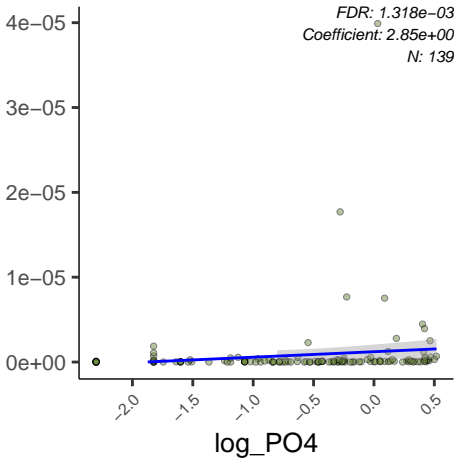
0.0

0.5

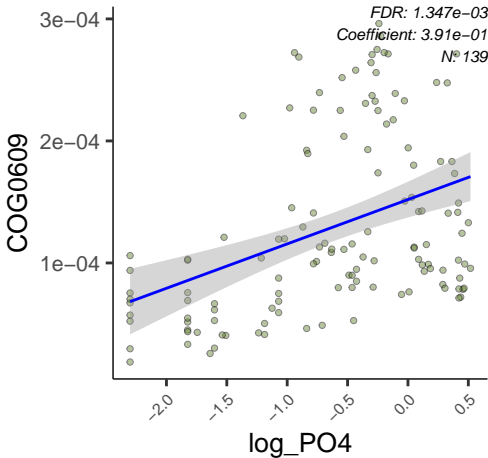
log\_PO4



COG5595







COG1944

FDR:  $1.372\text{e-}03$   
Coefficient:  $9.62\text{e-}01$   
N: 139

$4\text{e-}05$

$2\text{e-}05$

$0\text{e+}00$

-2.0

-1.5

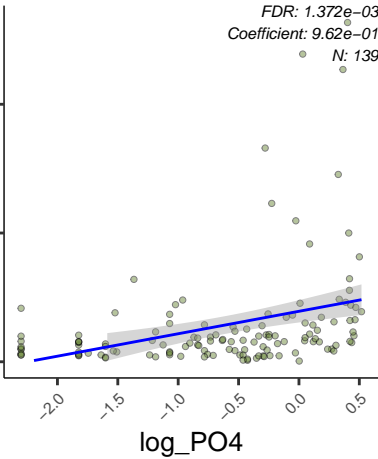
-1.0

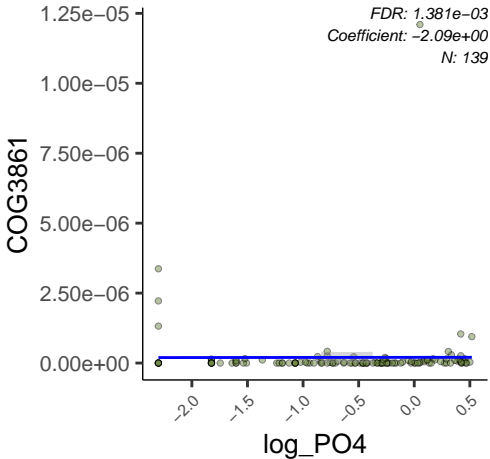
-0.5

0.0

0.5

log\_PO4





COG0438

0.0032

0.0028

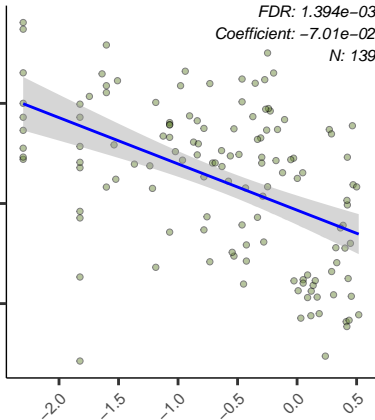
0.0024

log\_PO4

*FDR: 1.394e-03*

*Coefficient: -7.01e-02*

*N: 139*



COG2375

*FDR: 1.416e-03*

*Coefficient: 5.66e-01*

*N: 139*

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

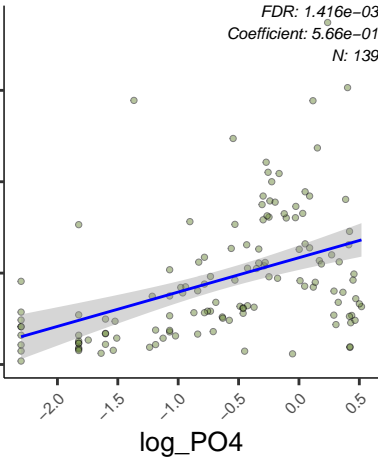
-1.0

-0.5

0.0

0.5

log\_PO4



COG4326

*FDR: 1.522e-03*  
*Coefficient: 2.70e+00*  
*N: 139*

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

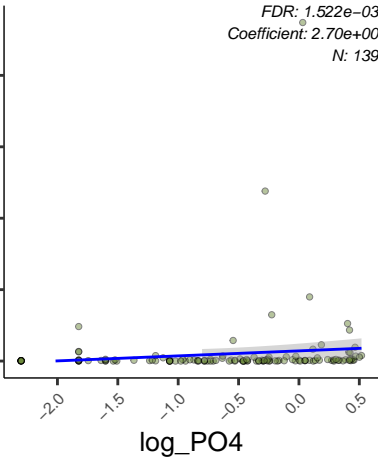
-1.0

-0.5

0.0

0.5

log\_PO4



COG4264

*FDR: 1.603e-03*  
*Coefficient: 1.29e+00*  
*N: 139*

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

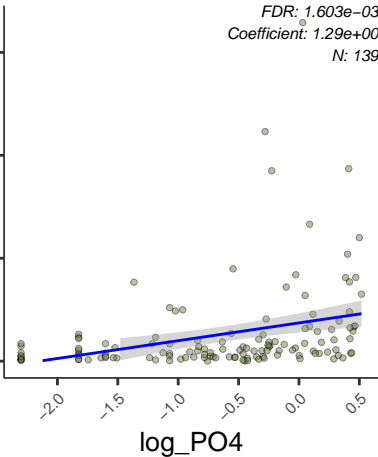
-1.0

-0.5

0.0

0.5

log\_PO4



COG3110

*FDR: 1.623e-03*  
*Coefficient: 1.87e+00*  
*N: 139*

6e-06

4e-06

2e-06

0e+00

log\_PO4

-2.0

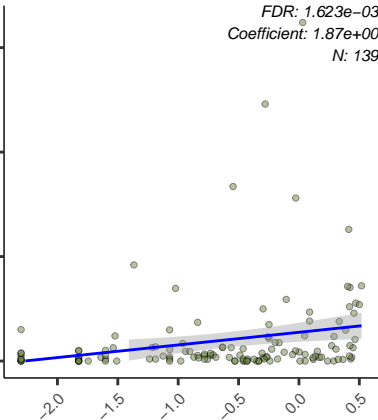
-1.5

-1.0

-0.5

0.0

0.5





COG3708

*FDR: 1.734e-03*

*Coefficient: 1.04e+00*

*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

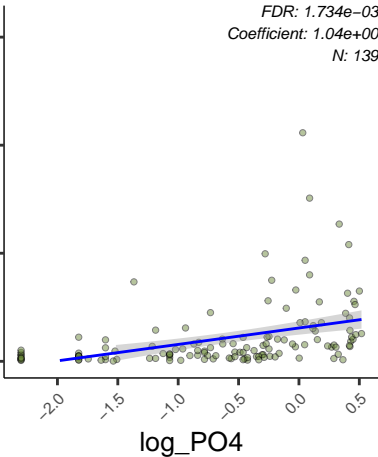
-1.0

-0.5

0.0

0.5

log\_PO4



COG3784

*FDR: 1.867e-03*  
*Coefficient: 1.16e+00*  
*N: 139*

5e-05

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

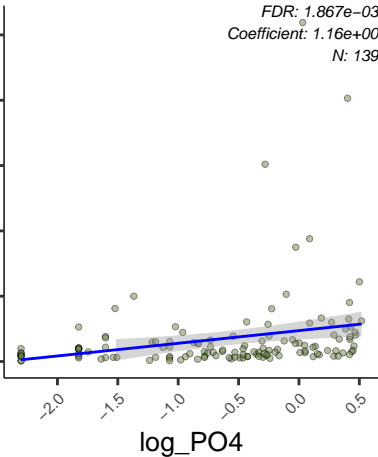
-1.0

-0.5

0.0

0.5

log\_PO4



COG3326

*FDR: 1.934e-03*  
*Coefficient: 1.29e+00*  
*N: 139*

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

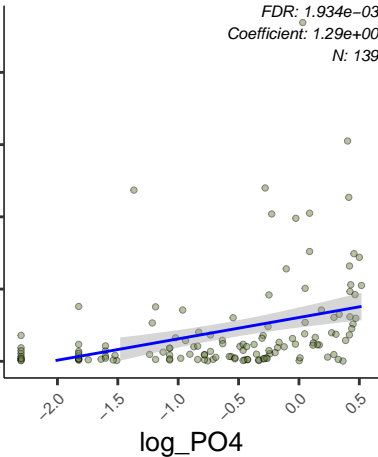
-1.0

-0.5

0.0

0.5

log\_PO4



COG2183

*FDR: 1.992e-03*  
*Coefficient: 6.43e-01*  
*N: 139*

1e-04

5e-05

0e+00

-2.0

-1.5

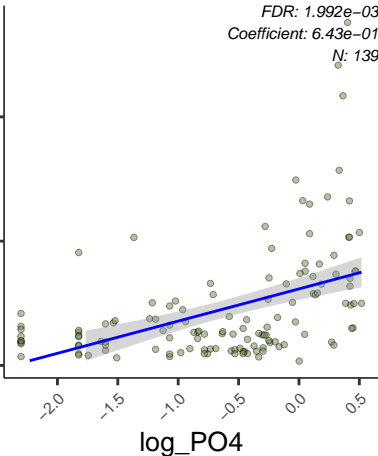
-1.0

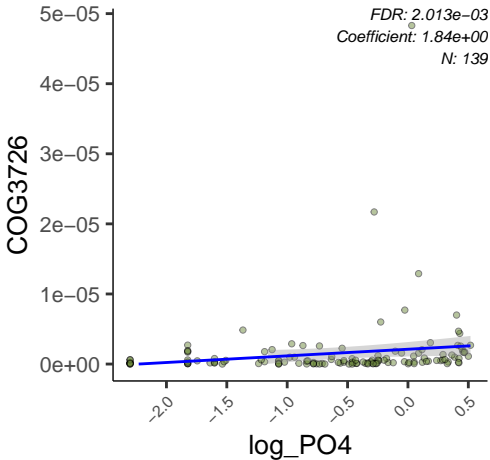
-0.5

0.0

0.5

log\_PO4





COG3295

*FDR: 2.086e-03*  
*Coefficient: 1.15e+00*  
*N: 139*

4e-05

2e-05

0e+00

-2.0

-1.5

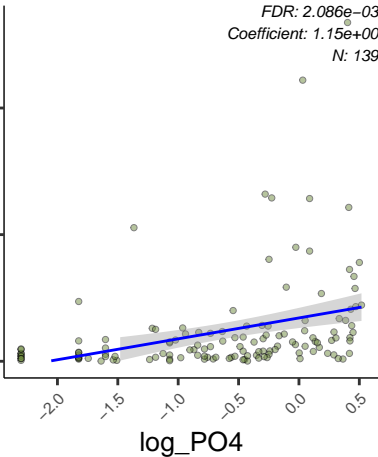
-1.0

-0.5

0.0

0.5

log\_PO4



COG1850

1.0e-04

7.5e-05

5.0e-05

2.5e-05

-2.0

-1.5

-1.0

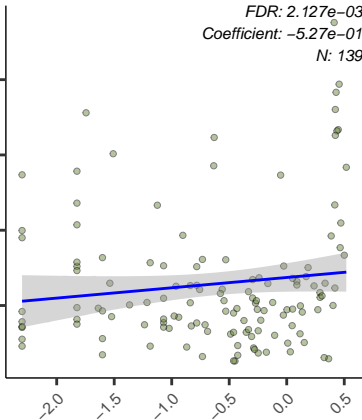
-0.5

0.0

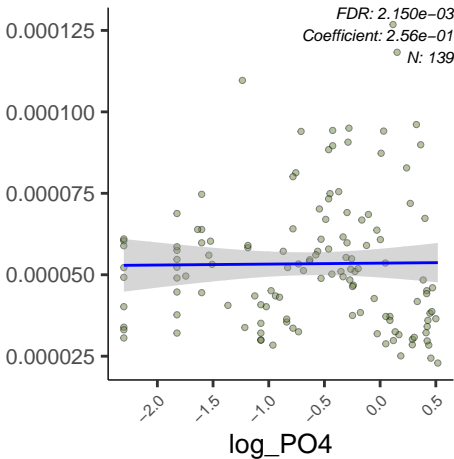
0.5

log\_PO4

FDR: 2.127e-03  
Coefficient: -5.27e-01  
N: 139

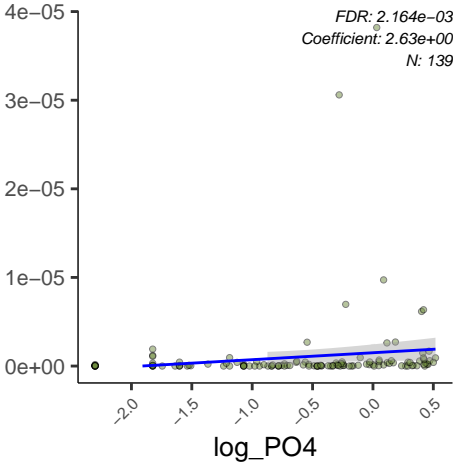


COG4704





COG4538



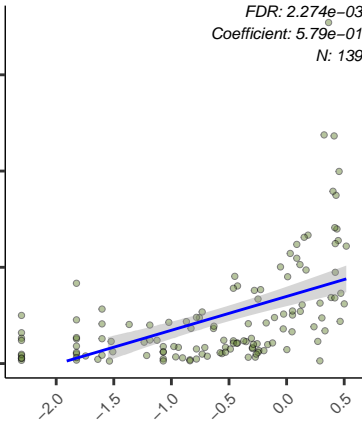
COG2922

*FDR: 2.274e-03*  
*Coefficient: 5.79e-01*  
*N: 139*

0.00015  
0.00010  
0.00005  
0.00000

-2.0 -1.5 -1.0 -0.5 0.0 0.5

log\_PO4



COG3096

*FDR: 2.398e-03*  
*Coefficient: 2.38e+00*  
*N: 139*

1e-05

5e-06

0e+00

-2.0

-1.5

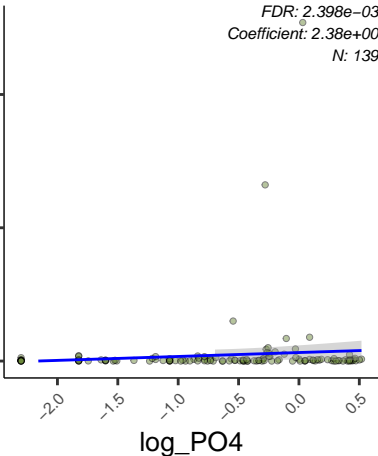
-1.0

-0.5

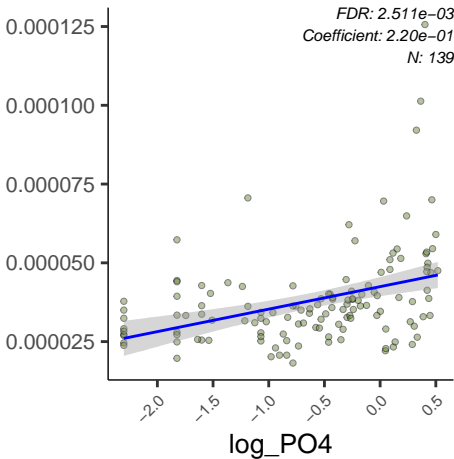
0.0

0.5

log\_PO4



COG2825



COG0489

*FDR: 2.526e-03*

*Coefficient: -6.99e-02*

*N: 139*

8e-04

7e-04

6e-04

-2.0

-1.5

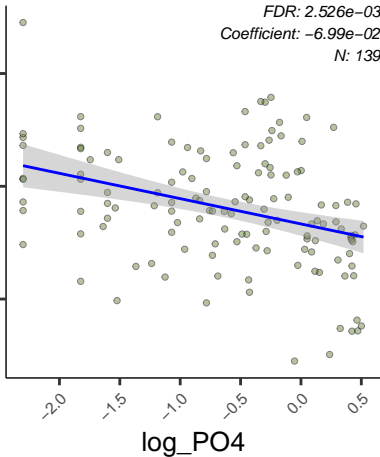
-1.0

-0.5

0.0

0.5

log\_PO4



COG3227

*FDR: 2.592e-03*  
*Coefficient: 9.26e-01*  
*N: 139*

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

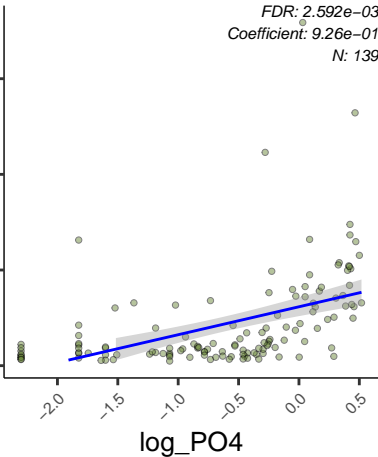
-1.0

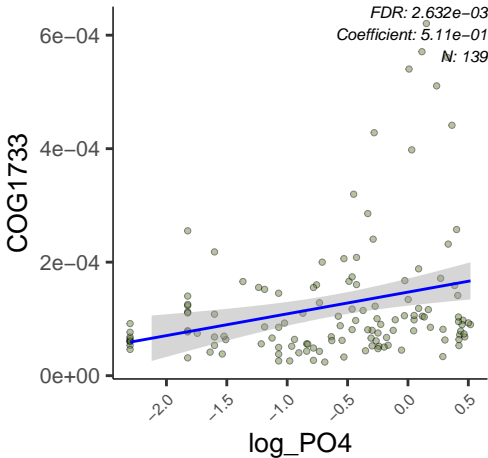
-0.5

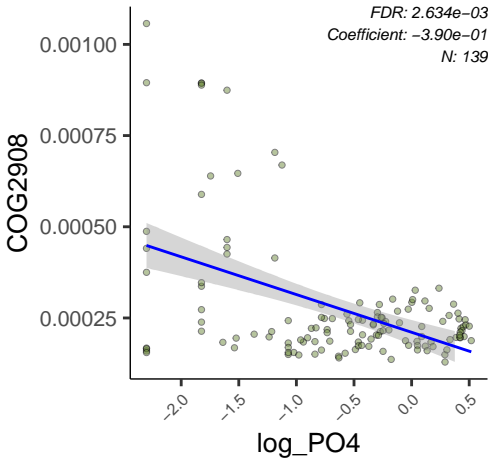
0.0

0.5

log\_PO4









COG3266

FDR: 2.676e-03  
Coefficient: 1.00e+00  
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

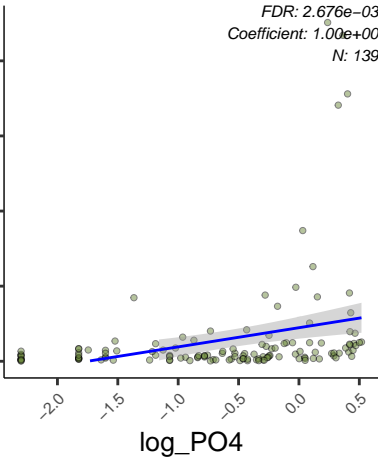
-1.0

-0.5

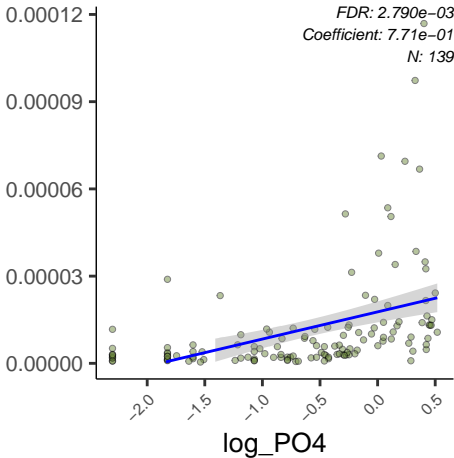
0.0

0.5

log\_PO4



COG3530



COG0745

0.0020

0.0016

0.0012

-2.0

-1.5

-1.0

-0.5

0.0

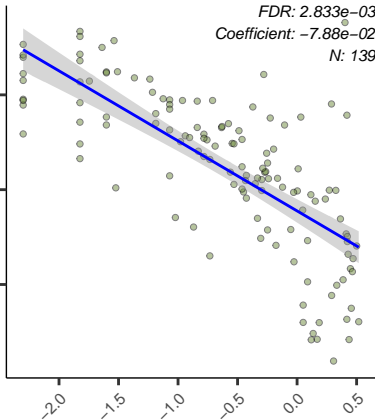
0.5

log\_PO4

*FDR: 2.833e-03*

*Coefficient: -7.88e-02*

*N: 139*



COG0103

6e-04

5e-04

4e-04

-2.0

-1.5

-1.0

-0.5

0.0

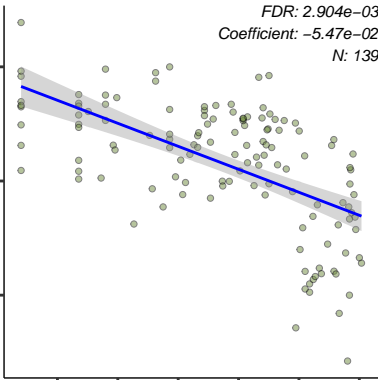
0.5

log\_PO4

*FDR: 2.904e-03*

*Coefficient: -5.47e-02*

*N: 139*



COG3203

*FDR: 3.080e-03*

*Coefficient: 4.01e-01*

*N: 139*

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

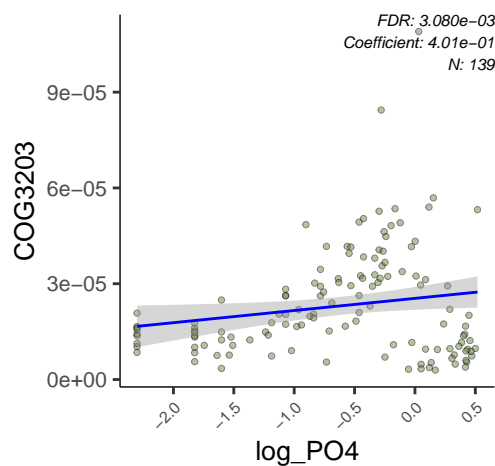
-1.0

-0.5

0.0

0.5

log\_PO4



COG4807

1e-04

5e-05

0e+00

FDR: 3.260e-03

Coefficient: 8.63e-01

N: 139

-2.0

-1.5

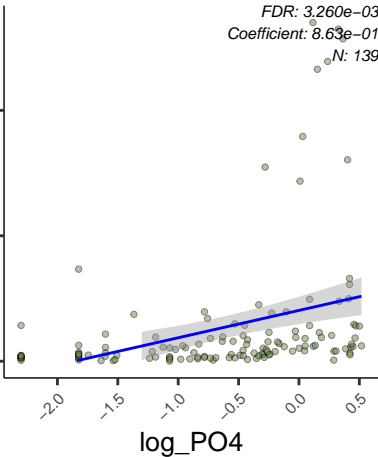
-1.0

-0.5

0.0

0.5

log\_PO4



COG1672

FDR:  $3.477\text{e-}03$

Coefficient:  $1.08\text{e+}00$

N: 139

$2\text{e-}05$

$1\text{e-}05$

$0\text{e+}00$

-2.0

-1.5

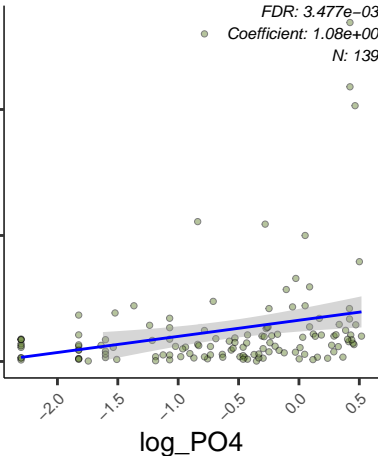
-1.0

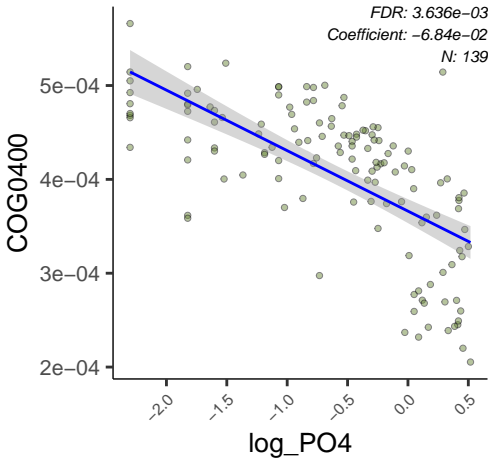
-0.5

0.0

0.5

log\_PO4







COG3170

*FDR: 3.718e-03*  
*Coefficient: 5.63e-01*  
*N: 139*

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

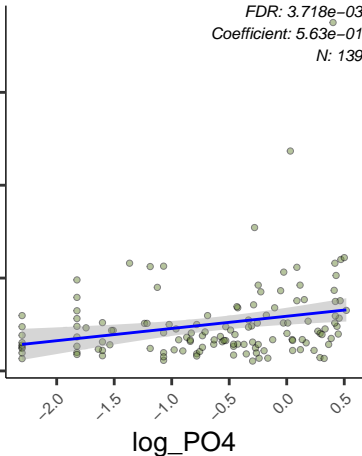
-1.0

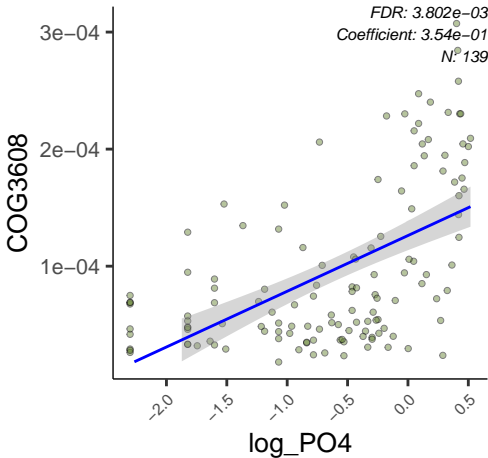
-0.5

0.0

0.5

log\_PO4





COG3456

*FDR: 3.965e-03*  
*Coefficient: 1.13e+00*  
*N: 139*

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

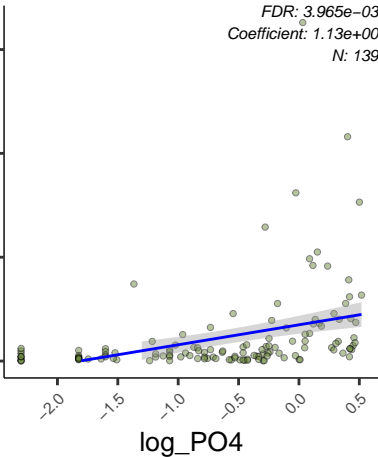
-1.0

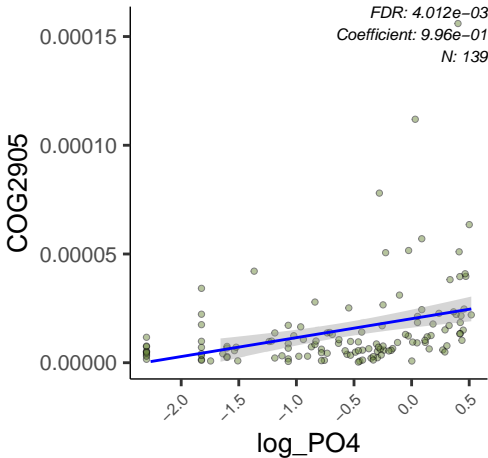
-0.5

0.0

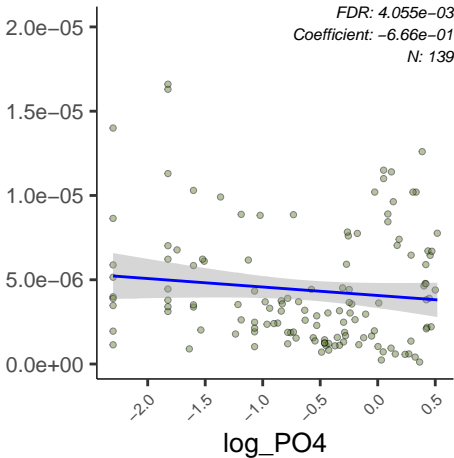
0.5

log\_PO4

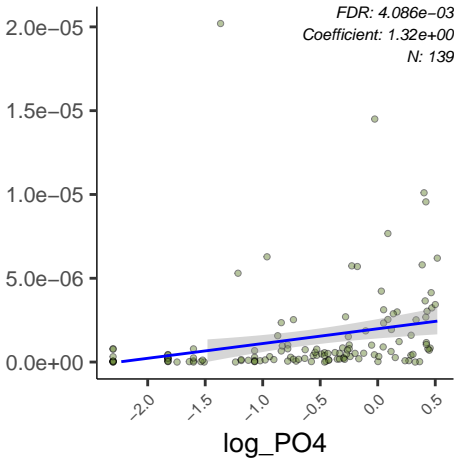




COG5379

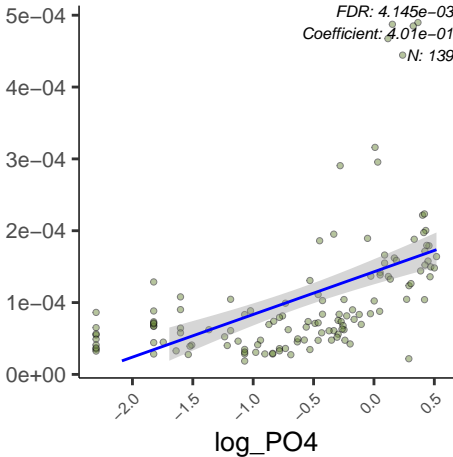


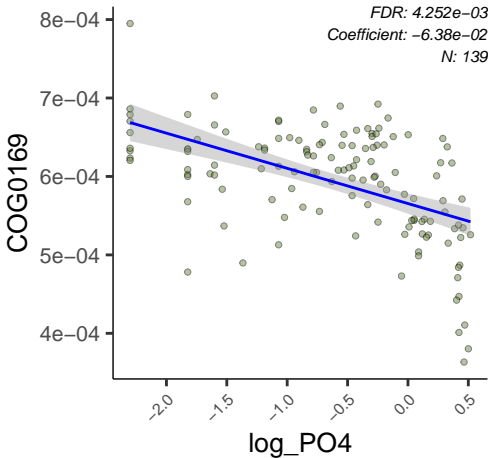
COG4271



COG2095

*FDR: 4.145e-03*  
*Coefficient: 4.01e-01*  
● *N: 139*







COG1414

4e-04

3e-04

2e-04

1e-04

-2.0

-1.5

-1.0

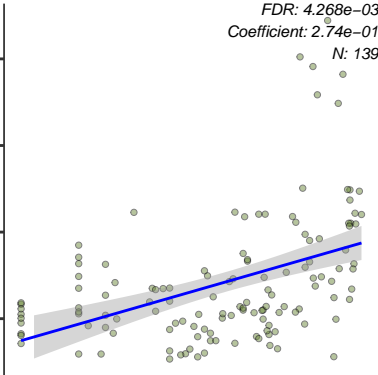
-0.5

0.0

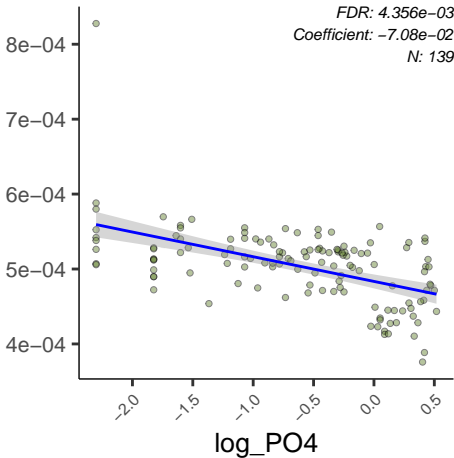
0.5

log\_PO4

FDR: 4.268e-03  
Coefficient: 2.74e-01  
N: 139



COG0105



COG4519

*FDR: 4.360e-03*  
*Coefficient: 1.62e+00*  
*N: 139*

1e-05

5e-06

0e+00

-2.0

-1.5

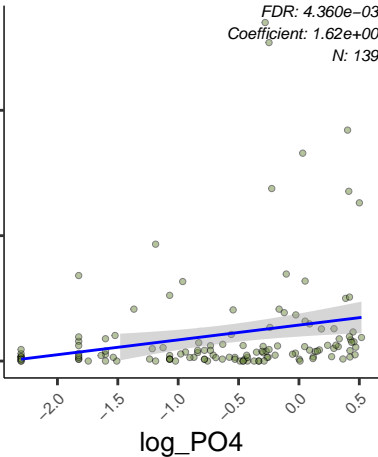
-1.0

-0.5

0.0

0.5

log\_PO4



COG5026

*FDR: 4.447e-03*

*Coefficient: -1.48e+00*

*N: 139*

2.0e-06

1.5e-06

1.0e-06

5.0e-07

0.0e+00

-2.0

-1.5

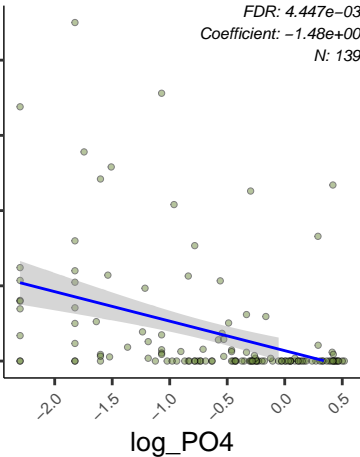
-1.0

-0.5

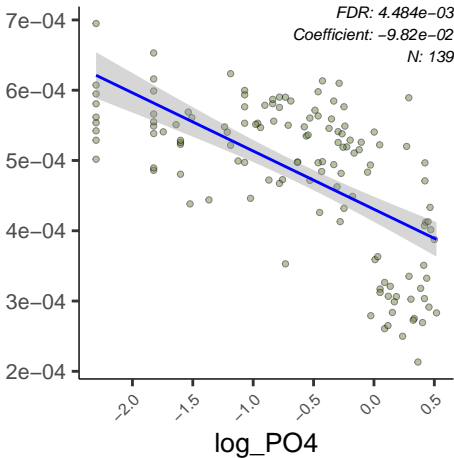
0.0

0.5

log\_PO4



COG1403



COG1854

1e-05

5e-06

0e+00

*FDR: 4.540e-03*

*Coefficient: 1.49e+00*

*N: 139*

-2.0

-1.5

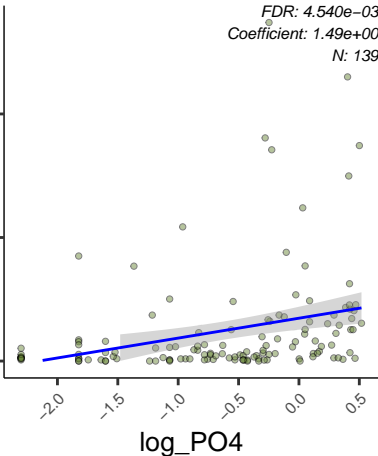
-1.0

-0.5

0.0

0.5

log\_PO4



COG1760

2e-04

1e-04

0e+00

-2.0

-1.5

-1.0

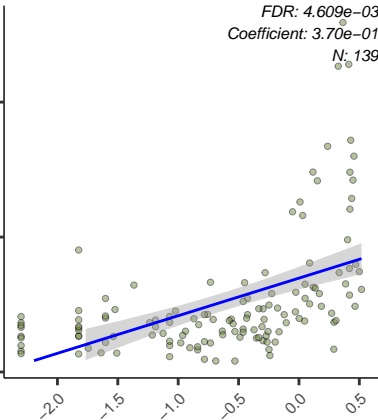
-0.5

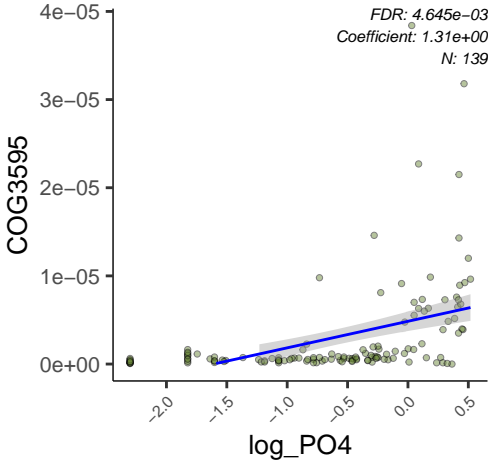
0.0

0.5

log\_PO4

FDR: 4.609e-03  
Coefficient: 3.70e-01  
N: 139







COG0676

*FDR: 4.791e-03*  
*Coefficient: 9.41e-01*  
*N: 139*

1.0e-04

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

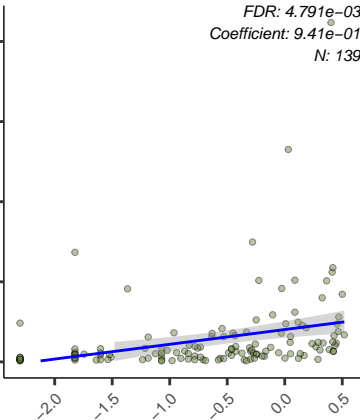
-1.0

-0.5

0.0

0.5

log\_PO4



COG4230

*FDR: 4.977e-03*  
*Coefficient: 2.95e-01*  
*N: 139*

3e-04

2e-04

1e-04

-2.0

-1.5

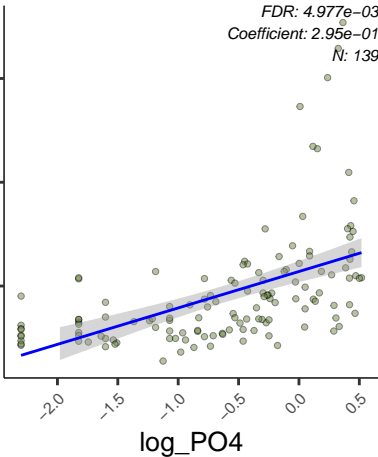
-1.0

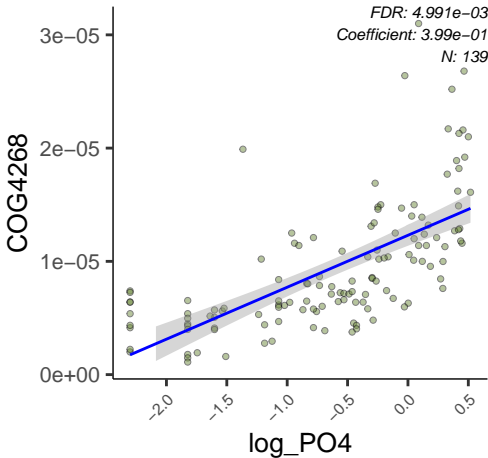
-0.5

0.0

0.5

log\_PO4





COG3059

*FDR: 5.212e-03*

*Coefficient: 1.31e+00*

*N: 139*

3e-05

2e-05

1e-05

0e+00

log\_PO4

-2.0

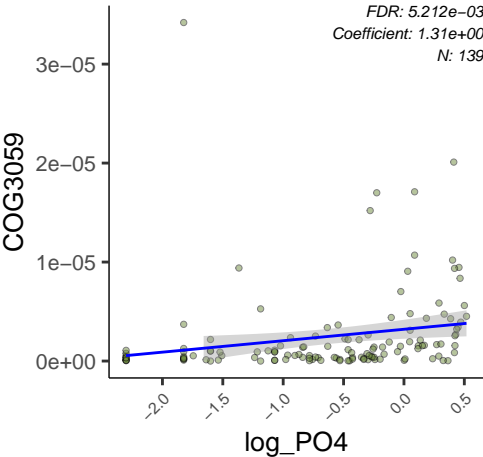
-1.5

-1.0

-0.5

0.0

0.5



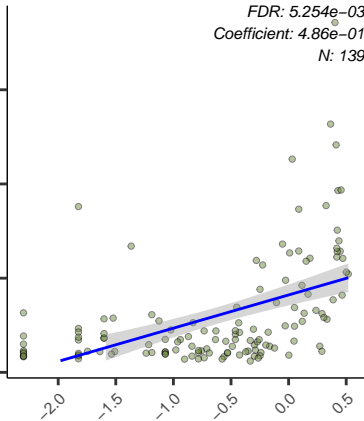
COG2716

*FDR: 5.254e-03*  
*Coefficient: 4.86e-01*  
*N: 139*

0.00015  
0.00010  
0.00005  
0.00000

-2.0 -1.5 -1.0 -0.5 0.0 0.5

log\_PO4



COG1534

*FDR: 5.289e-03*

*Coefficient: 3.36e-01*

*N: 139*

0.00020

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

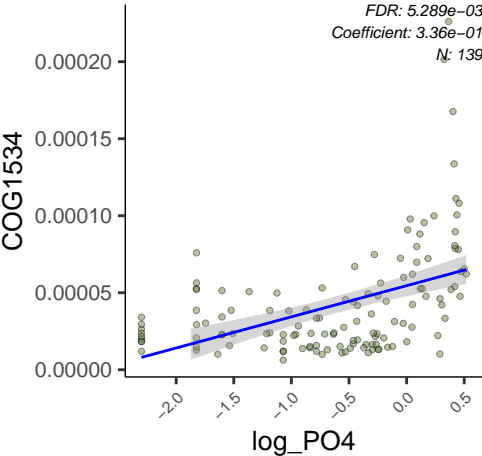
-1.0

-0.5

0.0

0.5

log\_PO4



COG1283

*FDR: 5.314e-03*  
*Coefficient: 3.78e-01*  
*N: 139*

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

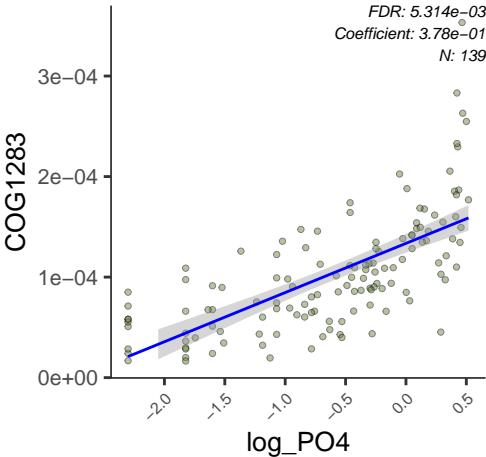
-1.0

-0.5

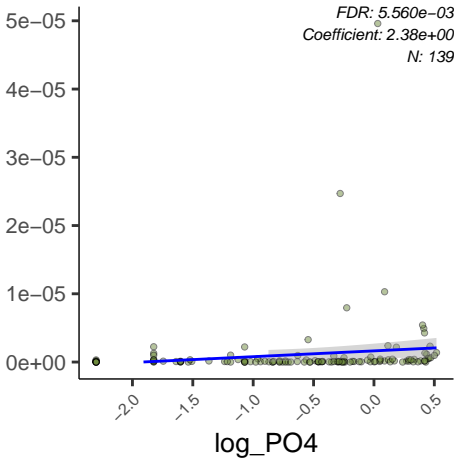
0.0

0.5

log\_PO4



COG3078





COG2990

*FDR: 5.632e-03*  
*Coefficient: 2.20e+00*  
*N: 139*

6e-06

4e-06

2e-06

0e+00

-2.0

-1.5

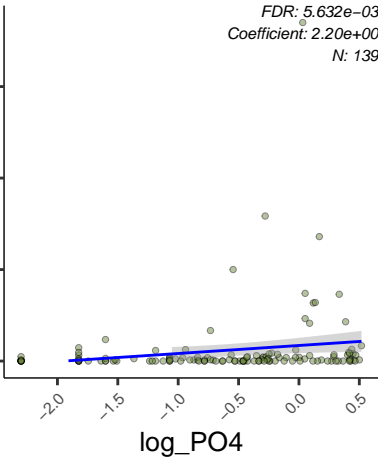
-1.0

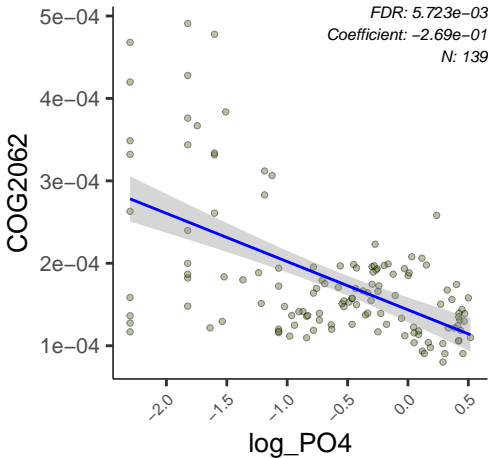
-0.5

0.0

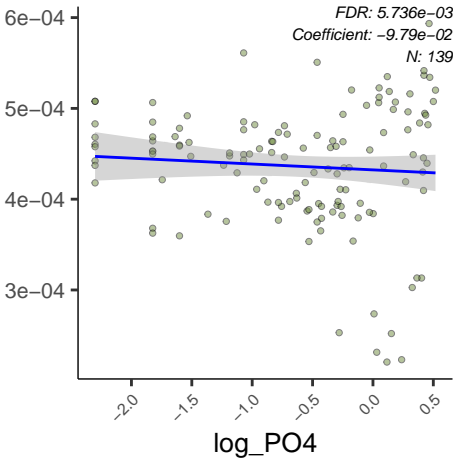
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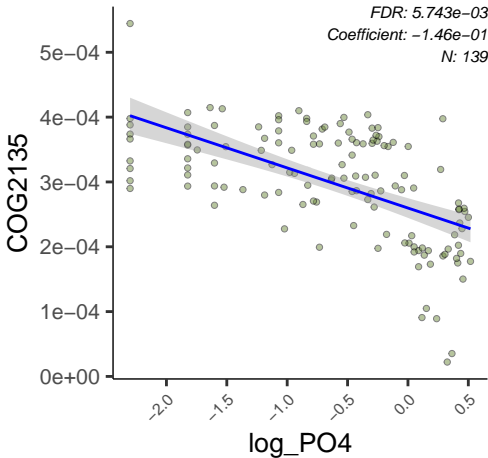
log\_PO4

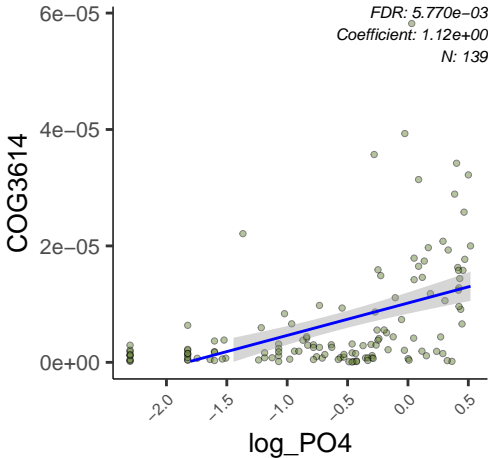




COG0377

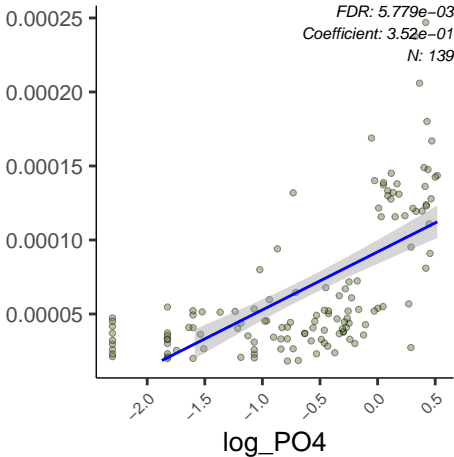


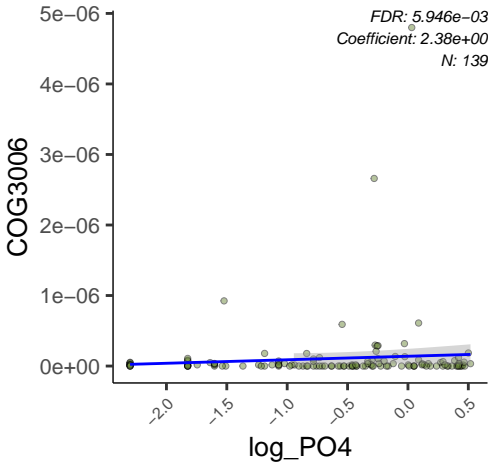




COG1368

*FDR: 5.779e-03*  
*Coefficient: 3.52e-01*  
*N: 139*





COG4999

*FDR: 5.978e-03*  
*Coefficient: 2.18e+00*  
*N: 139*

7.5e-06

5.0e-06

2.5e-06

0.0e+00

-2.0

-1.5

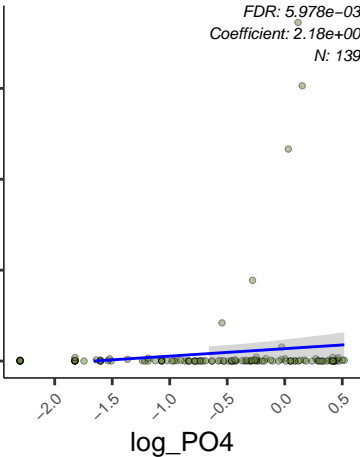
-1.0

-0.5

0.0

0.5

log\_PO4





COG4559

0.00015  
0.00010  
0.00005  
0.00000

-2.0

-1.5

-1.0

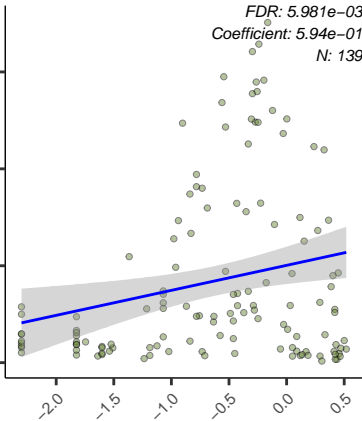
-0.5

0.0

0.5

log\_PO4

*FDR: 5.981e-03*  
*Coefficient: 5.94e-01*  
*N: 139*



COG3043

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

-1.0

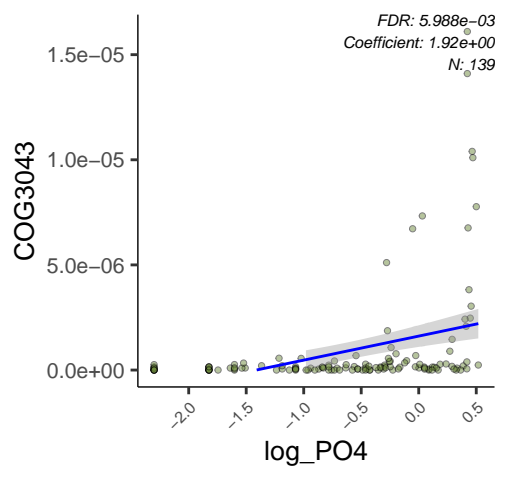
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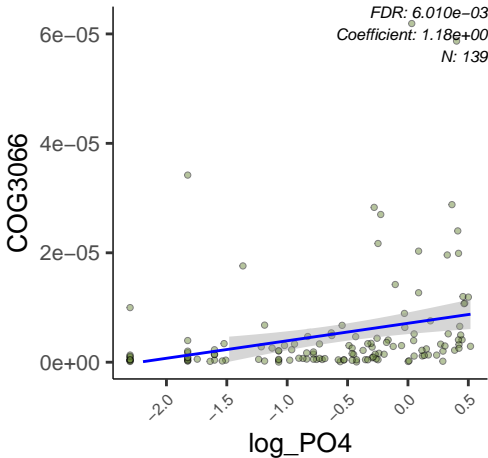
0.0

0.5

log\_PO4

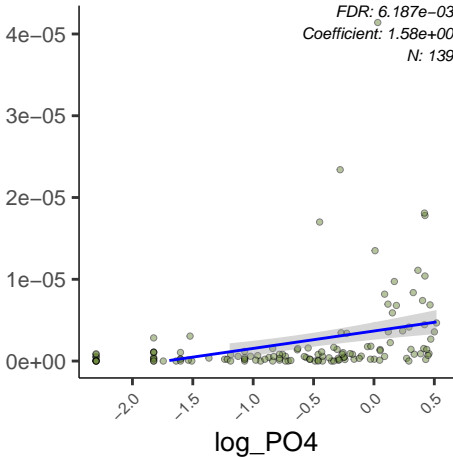
*FDR: 5.988e-03*  
*Coefficient: 1.92e+00*  
*N: 139*





COG4895

*FDR: 6.187e-03*  
*Coefficient: 1.58e+00*  
*N: 139*



COG1902

*FDR: 6.220e-03*  
*Coefficient: 1.65e-01*  
*N: 139*

8e-04

6e-04

4e-04

-2.0

-1.5

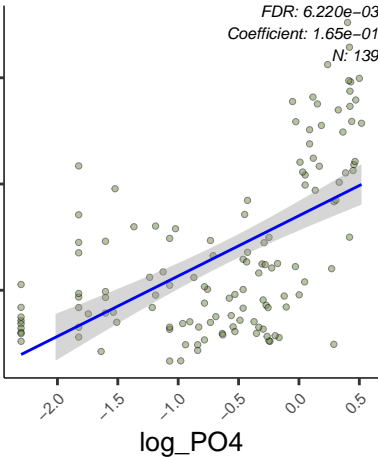
-1.0

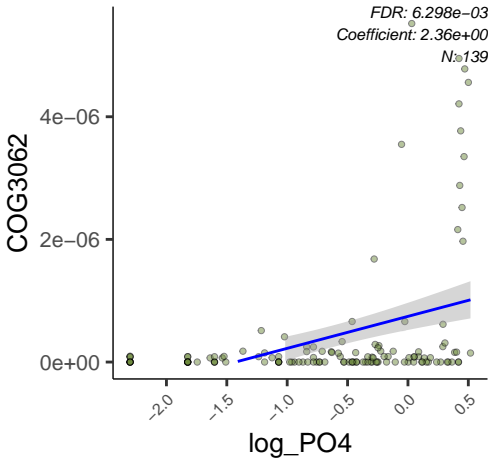
-0.5

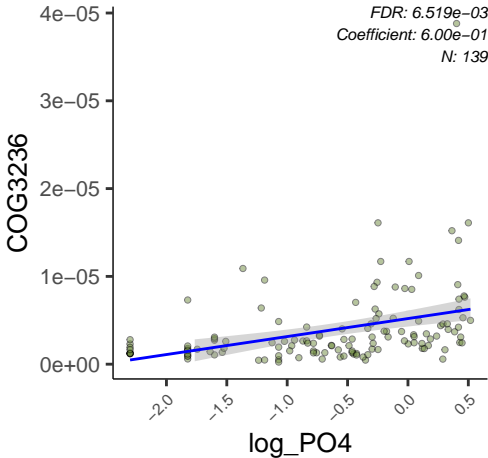
0.0

0.5

log\_PO4







COG4579

*FDR: 6.837e-03*  
*Coefficient: 4.88e-01*  
*N: 139*

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

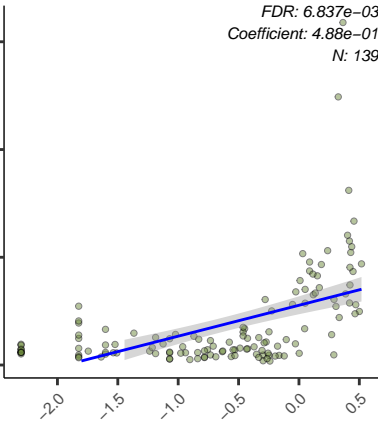
-1.0

-0.5

0.0

0.5

log\_PO4





COG2938

*FDR: 6.914e-03*

*Coefficient: 2.12e-01*

*N: 139*

0.00012

0.00008

0.00004

-2.0

-1.5

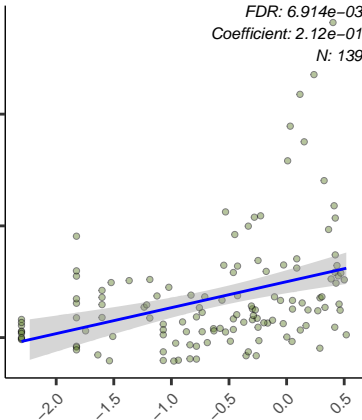
-1.0

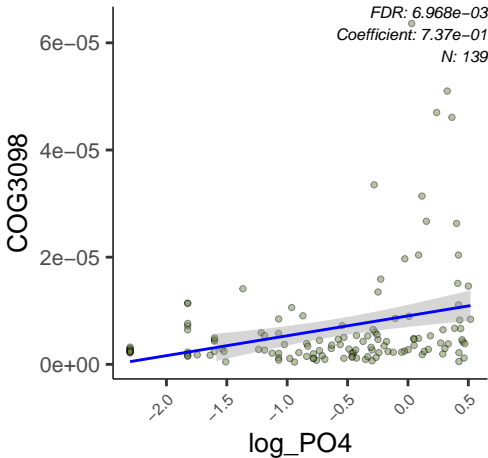
-0.5

0.0

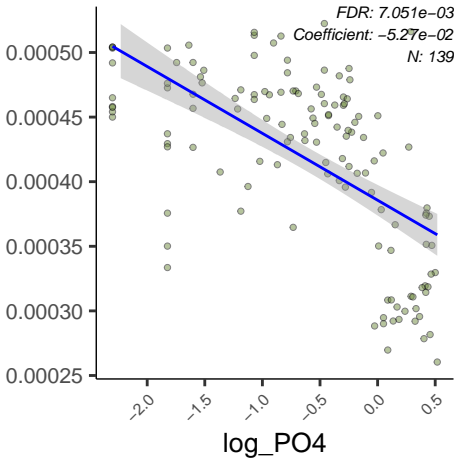
0.5

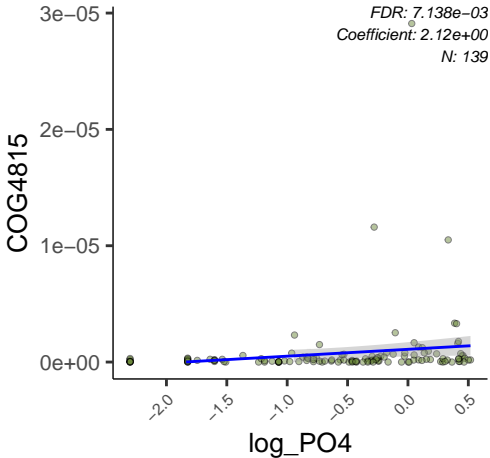
log\_PO4





COG1546





COG2336

FDR:  $7.354e-03$   
Coefficient:  $1.24e+00$   
N: 139

$2e-05$

$1e-05$

$0e+00$

-2.0

-1.5

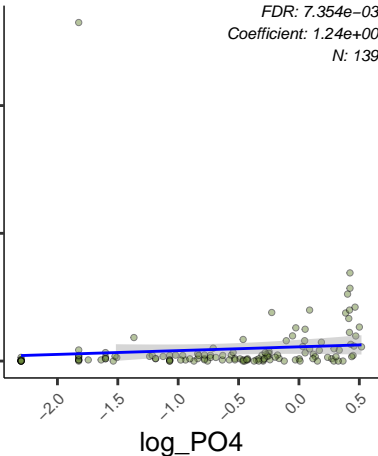
-1.0

-0.5

0.0

0.5

log\_PO4



COG4832

*FDR: 7.449e-03*  
*Coefficient: 1.60e+00*  
*N: 139*

1e-04

5e-05

0e+00

-2.0

-1.5

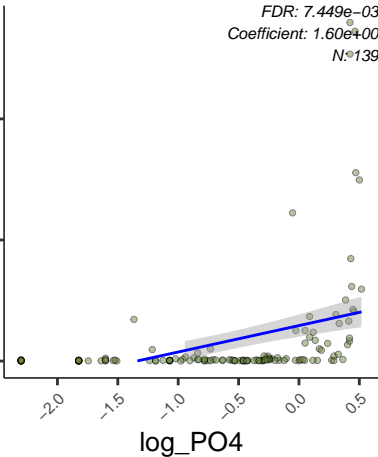
-1.0

-0.5

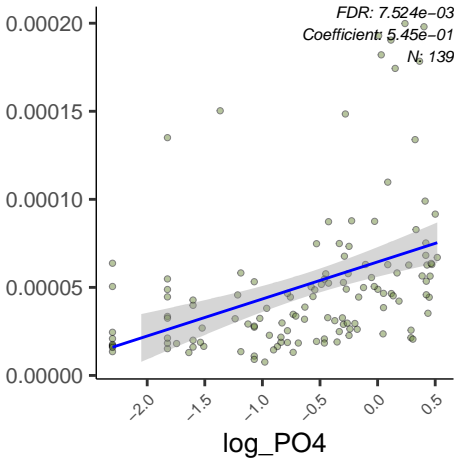
0.0

0.5

log\_PO4

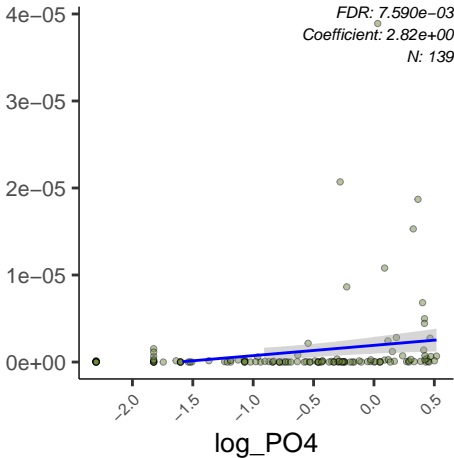


COG1349



COG4701

*FDR: 7.590e-03*  
*Coefficient: 2.82e+00*  
*N: 139*





COG1969

*FDR: 7.709e-03*  
*Coefficient: 1.33e+00*  
*N: 139*

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

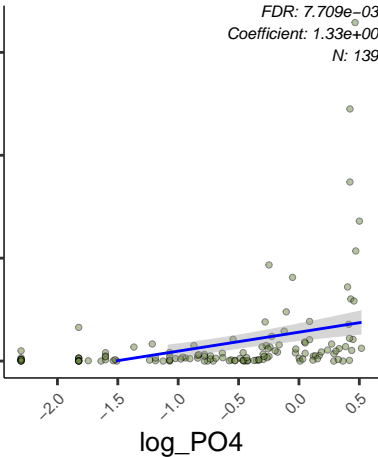
-1.0

-0.5

0.0

0.5

log\_PO4



COG3274

*FDR: 8.065e-03*  
*Coefficient: 2.16e+00*  
*N: 139*

9e-06

6e-06

3e-06

0e+00

-2.0

-1.5

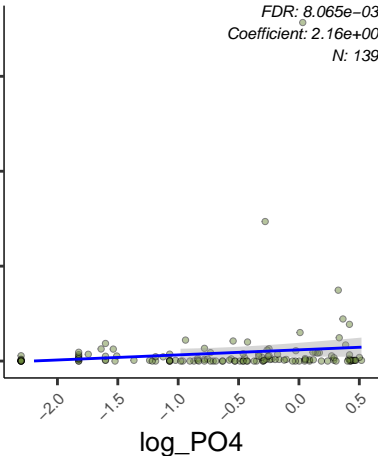
-1.0

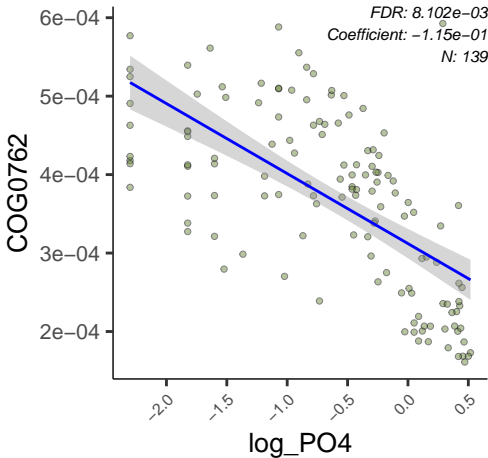
-0.5

0.0

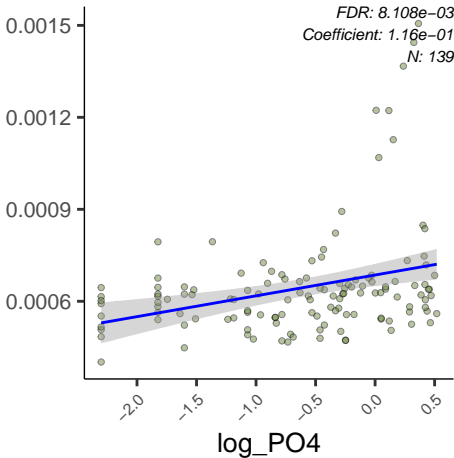
0.5

log\_PO4

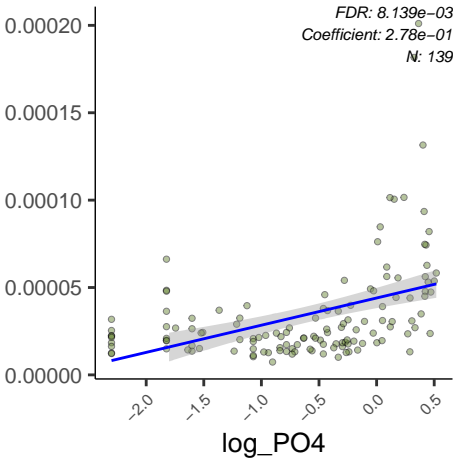




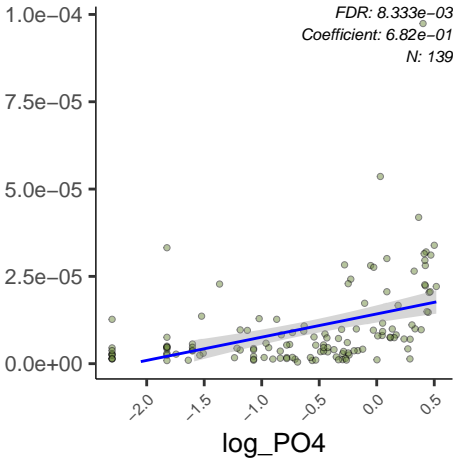
COG0488



COG4137



COG3117



COG5484

*FDR: 8.577e-03*

*Coefficient: 1.58e+00*

*N: 139*

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

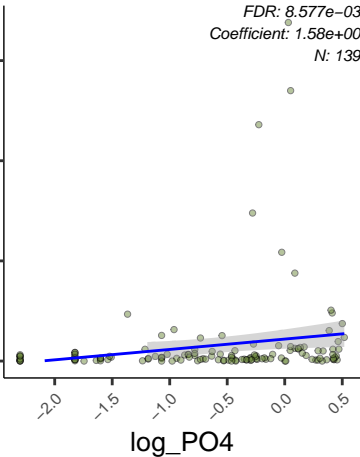
-1.0

-0.5

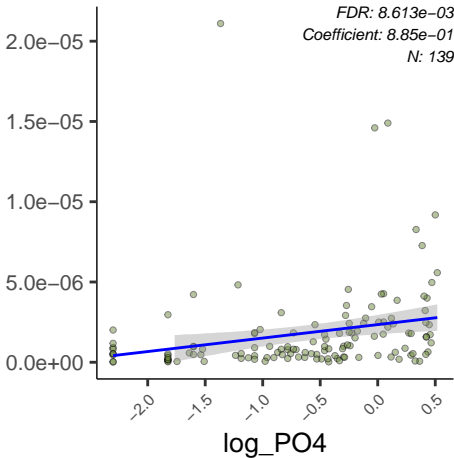
0.0

0.5

log\_PO4

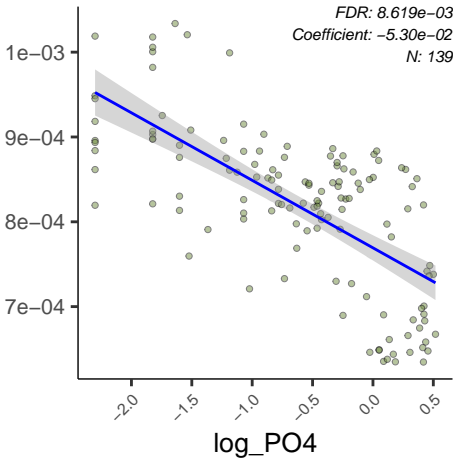


COG3573





COG0057



COG4970

*FDR: 8.710e-03*  
*Coefficient: 8.75e-01*  
*N: 139*

0e+00

2e-05

4e-05

6e-05

-2.0

-1.5

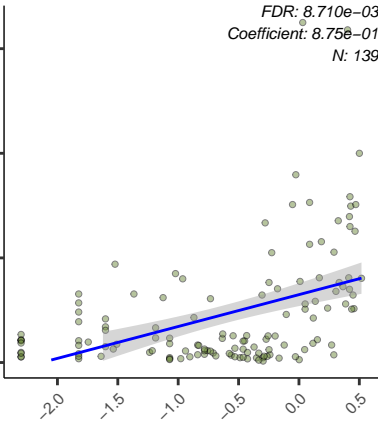
-1.0

-0.5

0.0

0.5

log\_PO4



COG4533

FDR:  $9.017e-03$   
Coefficient:  $1.77e+00$   
N: 139

$2e-05$

$1e-05$

$0e+00$

-2.0

-1.5

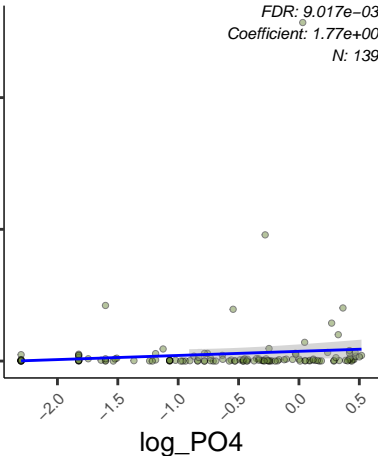
-1.0

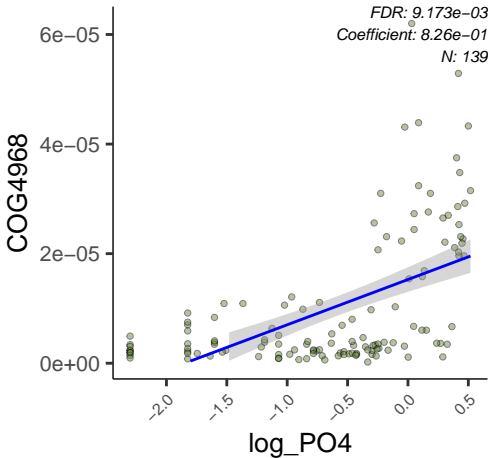
-0.5

0.0

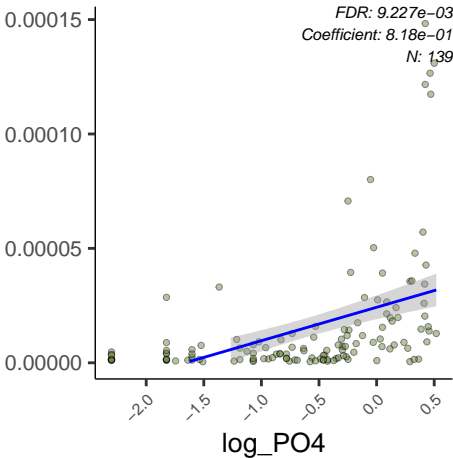
0.5

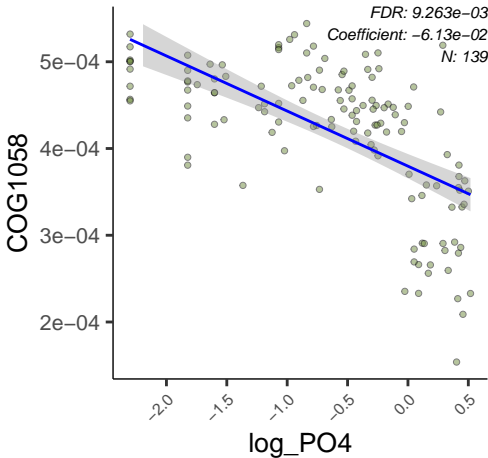
log\_PO4

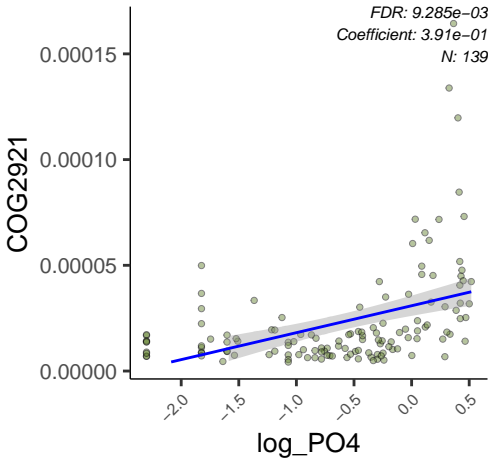




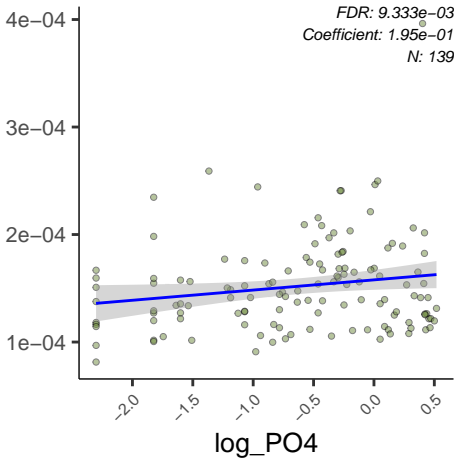
COG3415





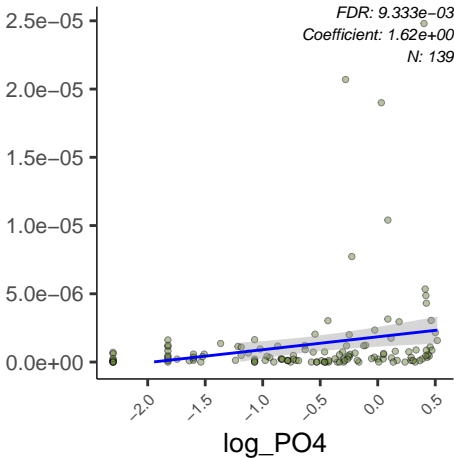


COG1061

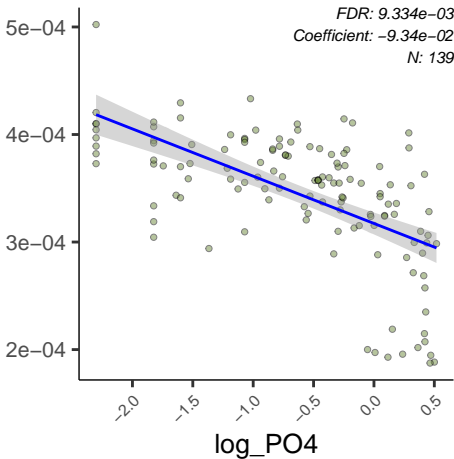


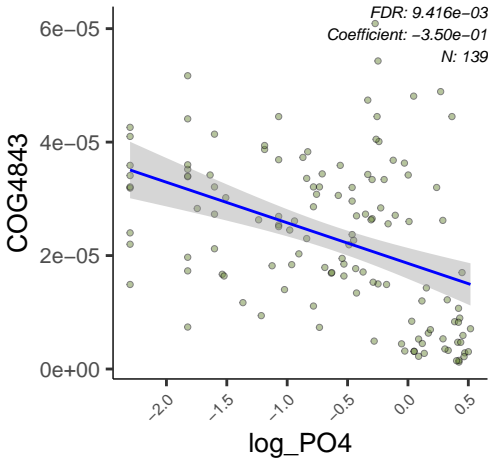


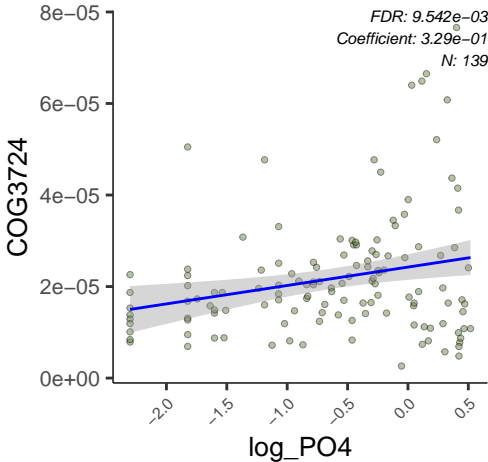
COG3114



COG2947







COG2813

*FDR: 9.684e-03*  
*Coefficient: 3.50e-01*  
*N: 139*

0.00020

0.00015

0.00010

0.00005

-2.0

-1.5

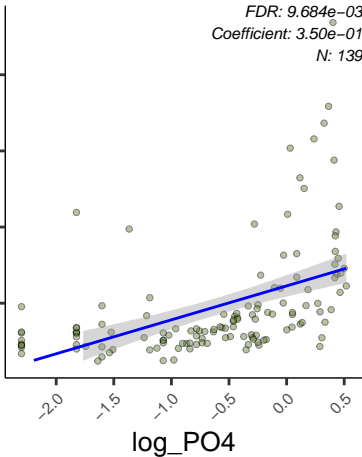
-1.0

-0.5

0.0

0.5

log\_PO4



COG1268

*FDR: 9.688e-03*

*Coefficient: -9.38e-02*

*N: 139*

4e-04

3e-04

2e-04

1e-04

-2.0

-1.5

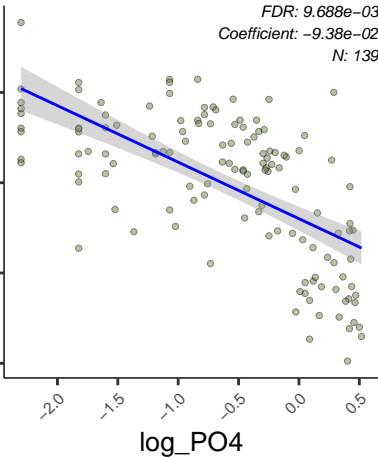
-1.0

-0.5

0.0

0.5

log\_PO4



COG4594

*FDR: 9.938e-03*  
*Coefficient: 1.86e+00*  
*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

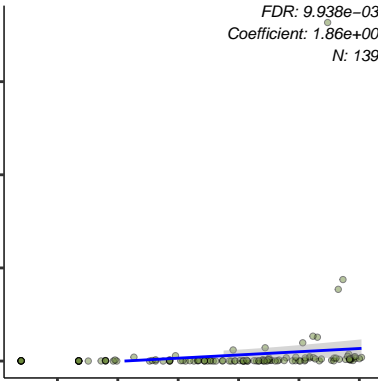
-1.0

-0.5

0.0

0.5

log\_PO4



COG33397

FDR:  $1.002e-02$   
Coefficient:  $9.52e-01$   
N: 139

$7.5e-05$

$5.0e-05$

$2.5e-05$

$0.0e+00$

-2.0

-1.5

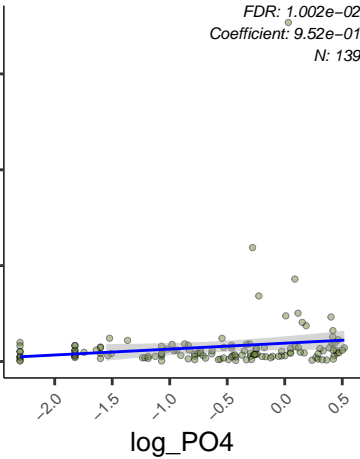
-1.0

-0.5

0.0

0.5

log\_PO4





COG5346

FDR: 1.041e-02  
Coefficient: 1.68e+00  
N: 139

4e-06

3e-06

2e-06

1e-06

0e+00

-2.0

-1.5

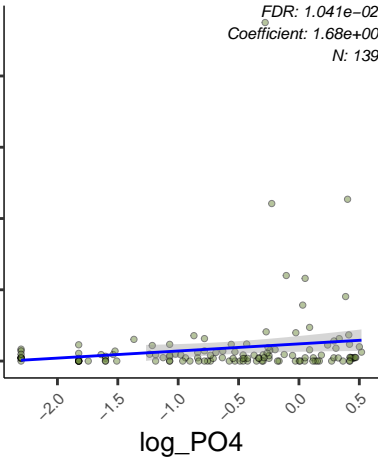
-1.0

-0.5

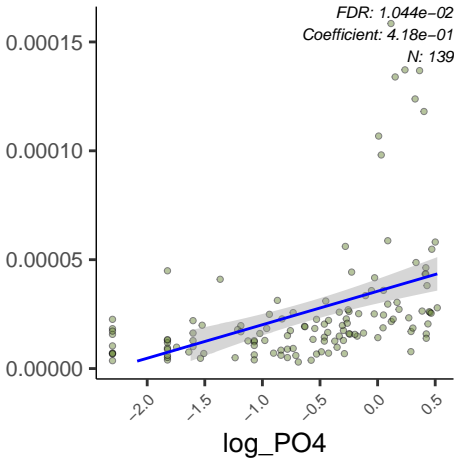
0.0

0.5

log\_PO4



COG1739



COG3646

FDR: 1.049e-02  
Coefficient: 1.84e+00  
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

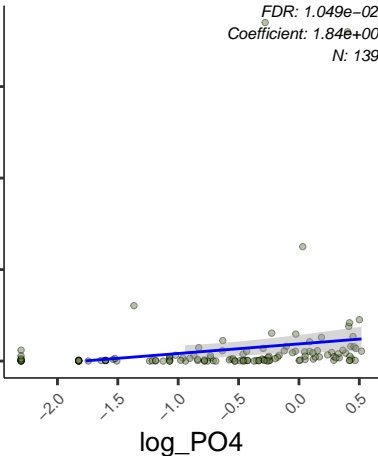
-1.0

-0.5

0.0

0.5

log\_PO4



COG0269

*FDR: 1.050e-02*  
*Coefficient: 5.97e-01*  
*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

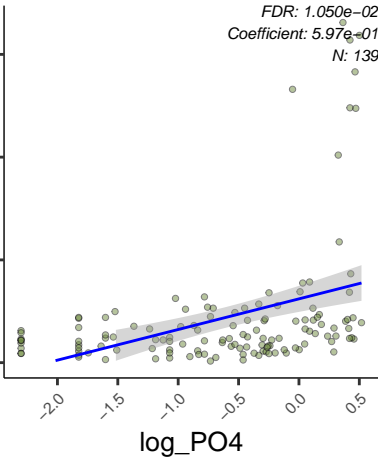
-1.0

-0.5

0.0

0.5

log\_PO4



COG1965

*FDR: 1.050e-02*  
*Coefficient: 4.77e-01*  
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

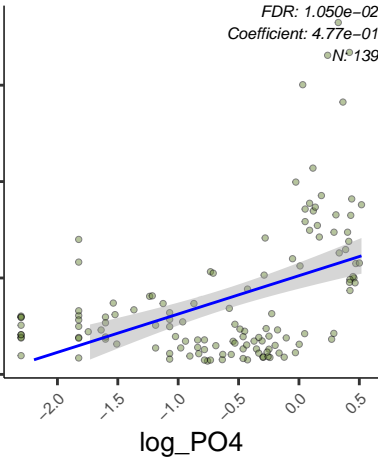
-1.0

-0.5

0.0

0.5

log\_PO4



COG3079

*FDR: 1.051e-02*  
*Coefficient: 4.07e-01*  
*N: 139*

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

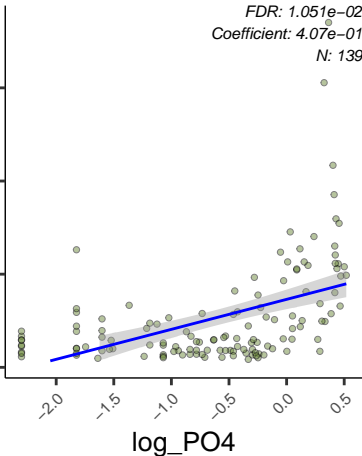
-1.0

-0.5

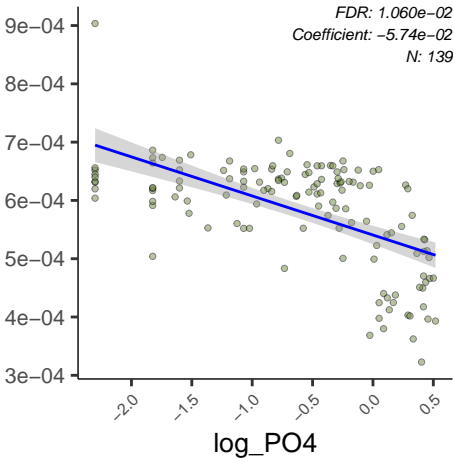
0.0

0.5

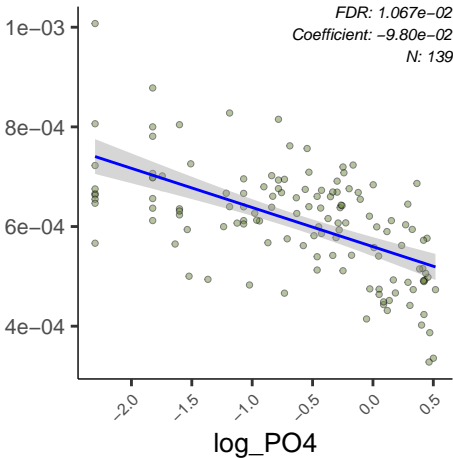
log\_PO4



COG0755



COG0229





COG4845

*FDR: 1.071e-02*  
*Coefficient: 1.37e+00*  
*N: 139*

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

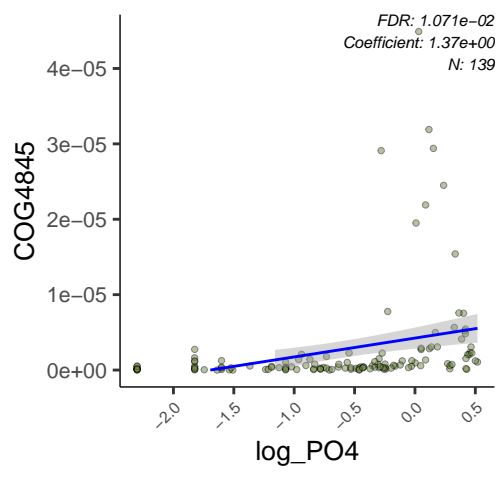
-1.0

-0.5

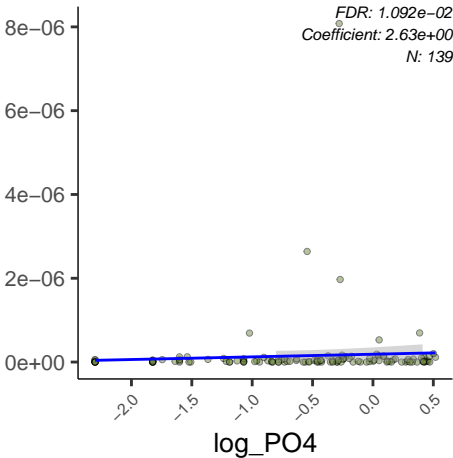
0.0

0.5

log\_PO4



COG3567



COG2461

*FDR: 1.136e-02*  
*Coefficient: 3.12e+00*  
*N: 139*

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

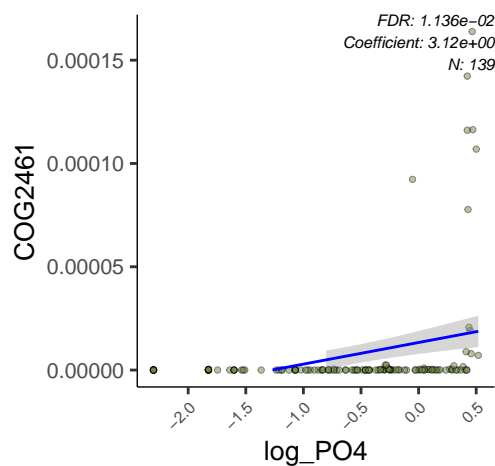
-1.0

-0.5

0.0

0.5

log\_PO4



COG2391

FDR: 1.146e-02  
Coefficient: 3.72e-01  
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

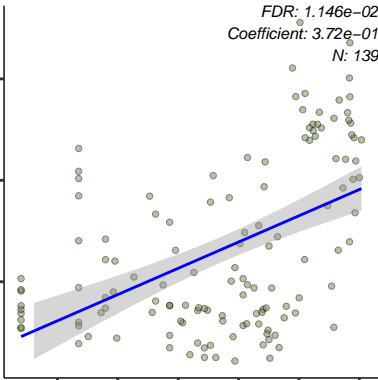
-1.0

-0.5

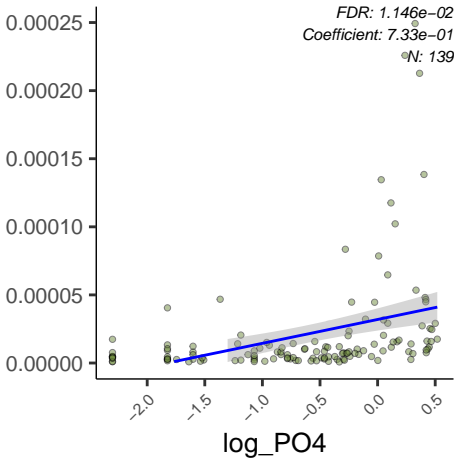
0.0

0.5

log\_PO4



COG2824



COG3275

*FDR: 1.173e-02*  
*Coefficient: 5.98e-01*  
*N: 139*

0.00015  
0.00010  
0.00005  
0.00000

-2.0

-1.5

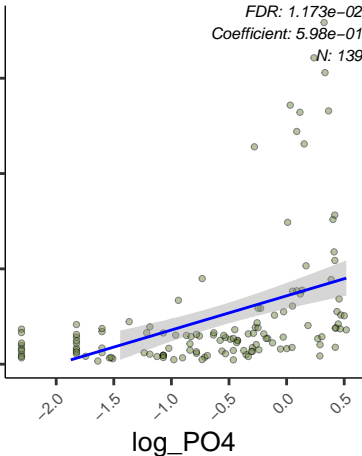
-1.0

-0.5

0.0

0.5

log\_PO4



COG2703

*FDR: 1.176e-02*  
*Coefficient: 1.10e+00*  
*N: 139*

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

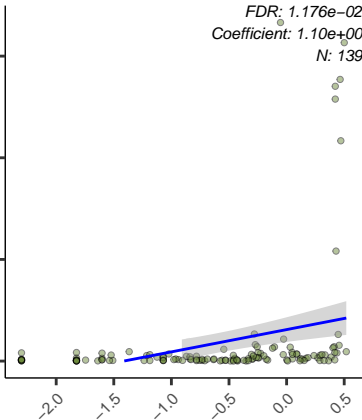
-1.0

-0.5

0.0

0.5

log\_PO4



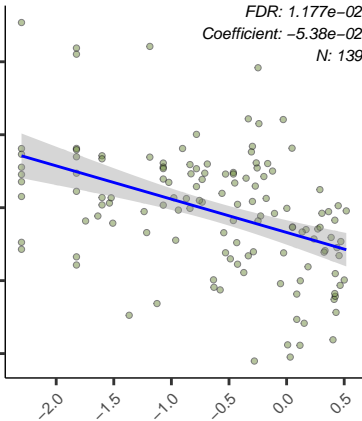
COG0024

0.00070  
0.00065  
0.00060  
0.00055  
0.00050

-2.0  
-1.5  
-1.0  
-0.5  
0.0  
0.5

log\_PO4

*FDR: 1.177e-02*  
*Coefficient: -5.38e-02*  
*N: 139*





COG3560

*FDR: 1.201e-02*  
*Coefficient: -1.61e+00*  
*N: 139*

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

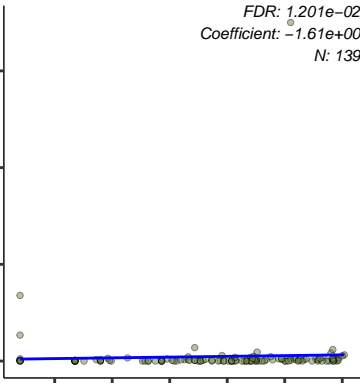
-1.0

-0.5

0.0

0.5

log\_PO4



COG2269

*FDR: 1.208e-02*  
*Coefficient: 3.20e-01*  
*N: 139*

0.00016

0.00012

0.00008

0.00004

-2.0

-1.5

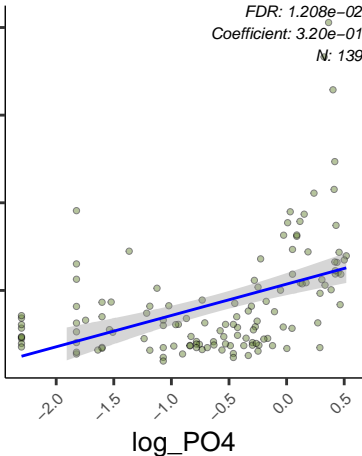
-1.0

-0.5

0.0

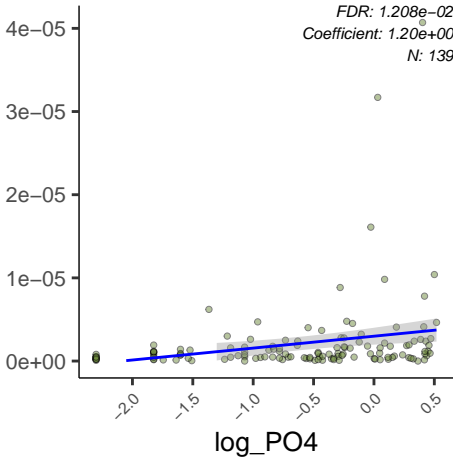
0.5

log\_PO4



COG3521

*FDR: 1.208e-02*  
*Coefficient: 1.20e+00*  
*N: 139*



COG3213

*FDR: 1.209e-02*  
*Coefficient: 8.27e-01*  
*N: 139*

0.00015  
0.00010  
0.00005  
0.00000

-2.0

-1.5

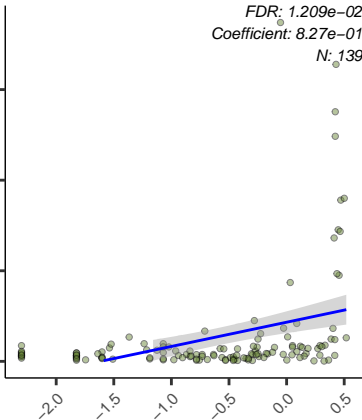
-1.0

-0.5

0.0

0.5

log\_PO4



COG1877

*FDR: 1.210e-02*  
*Coefficient: -5.10e-01*  
*N: 139*

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

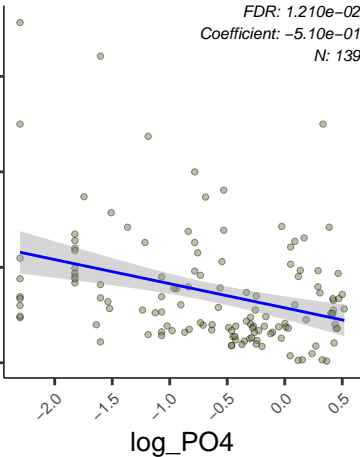
-1.0

-0.5

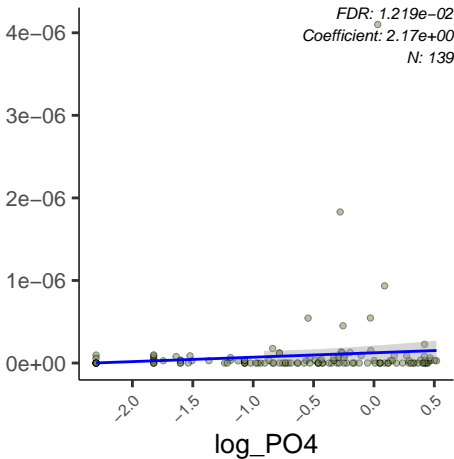
0.0

0.5

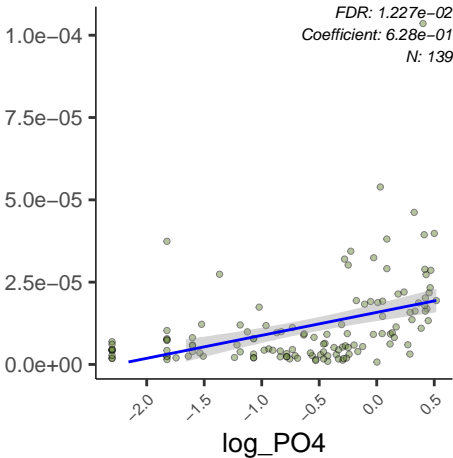
log\_PO4



COG3095



COG3166



COG3707

*FDR: 1.252e-02*

*Coefficient: 5.54e-01*

*N: 139*

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

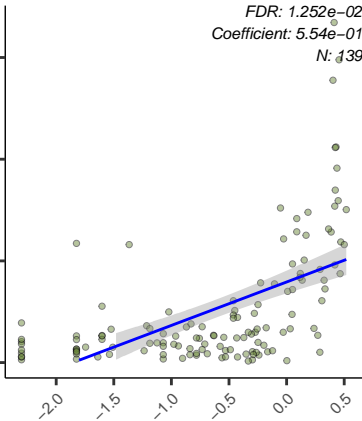
-1.0

-0.5

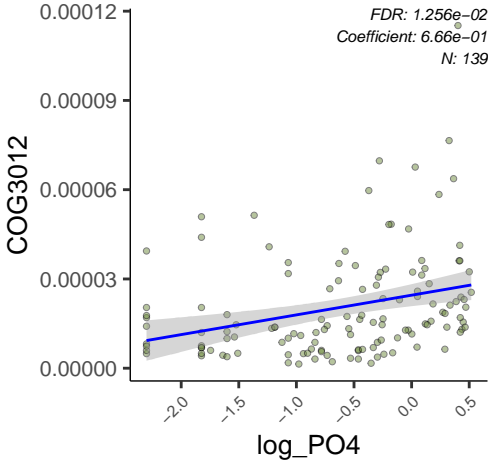
0.0

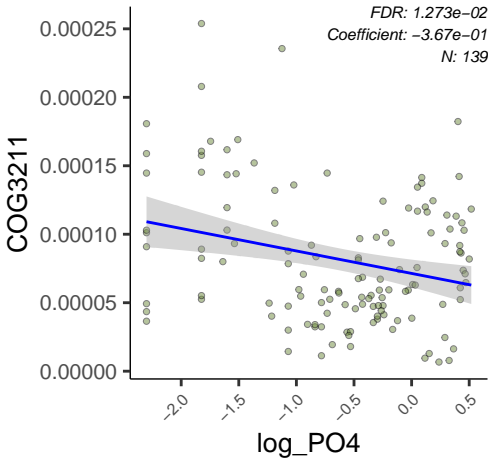
0.5

log\_PO4









COG3185

*FDR: 1.293e-02*

*Coefficient: 2.61e-01*

*N: 139*

0.00015

0.00010

0.00005

-2.0

-1.5

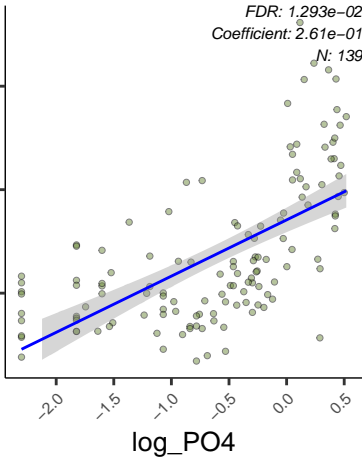
-1.0

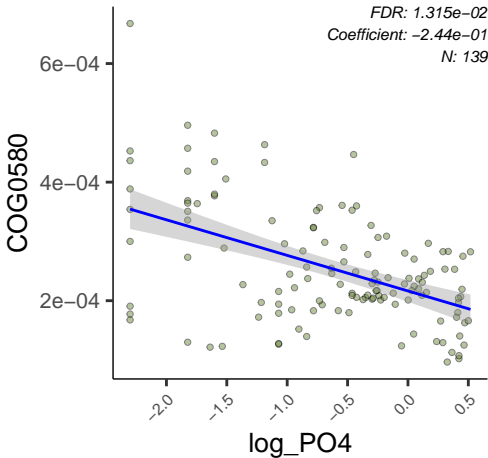
-0.5

0.0

0.5

log\_PO4





COG3844

FDR: 1.320e-02  
Coefficient: 2.14e-01  
N: 139

2e-04

1e-04

-2.0

-1.5

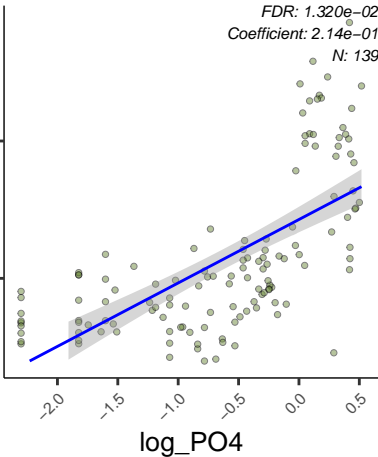
-1.0

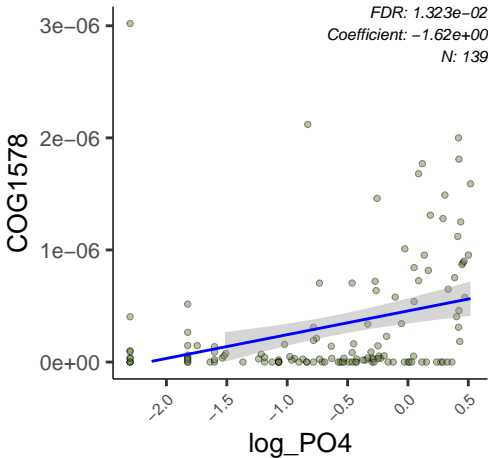
-0.5

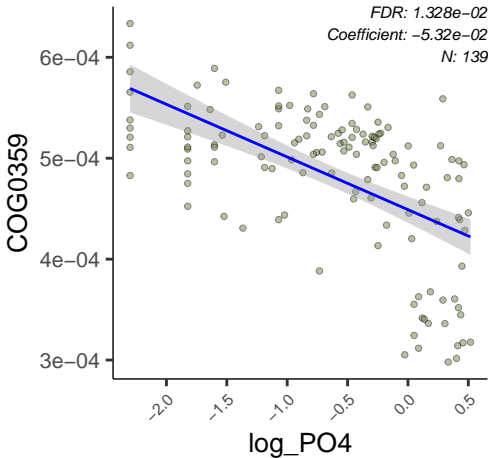
0.0

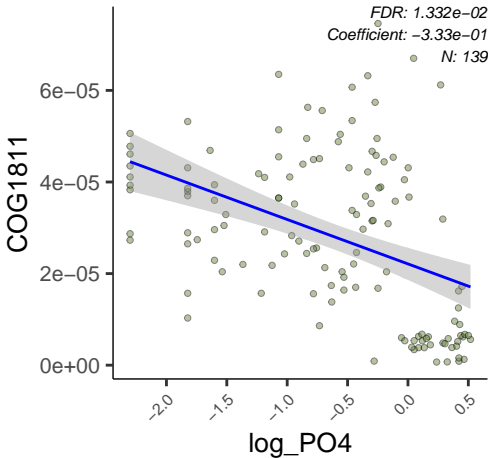
0.5

log\_PO4











COG1444

*FDR: 1.342e-02*  
*Coefficient: 9.55e-01*  
*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

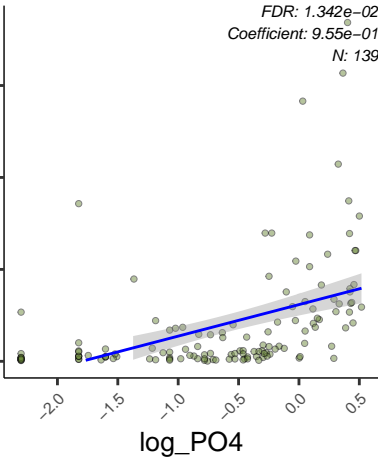
-1.0

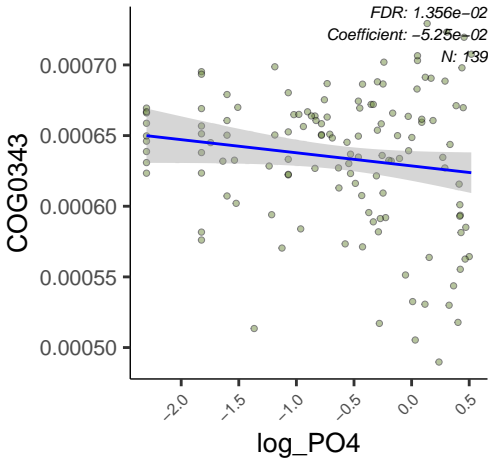
-0.5

0.0

0.5

log\_PO4





COG1643

*FDR: 1.356e-02*  
*Coefficient: 3.20e-01*  
*N: 139*

3e-04

2e-04

1e-04

-2.0

-1.5

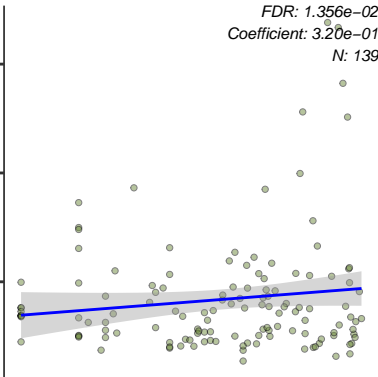
-1.0

-0.5

0.0

0.5

log\_PO4



COG1883

*FDR: 1.358e-02*

*Coefficient: 3.15e-01*

*N: 139*

0.00015

0.00010

0.00005

-2.0

-1.5

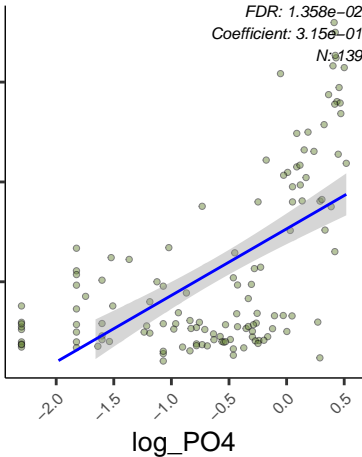
-1.0

-0.5

0.0

0.5

log\_PO4



COG5508

*FDR: 1.371e-02*  
*Coefficient: 1.45e+00*  
*N: 139*

8e-06

6e-06

4e-06

2e-06

0e+00

-2.0

-1.5

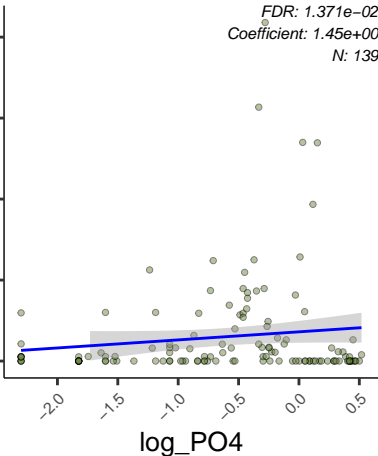
-1.0

-0.5

0.0

0.5

log\_PO4



COG3013

FDR:  $1.375e-02$   
Coefficient:  $2.17e+00$   
N: 139

$6e-06$

$4e-06$

$2e-06$

$0e+00$

-2.0

-1.5

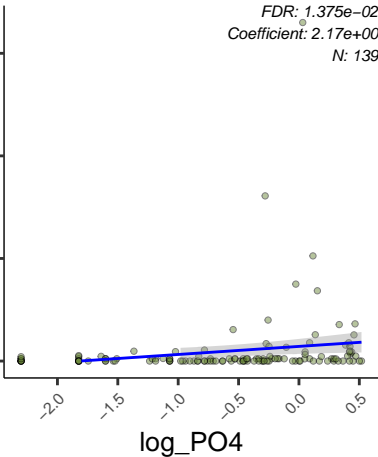
-1.0

-0.5

0.0

0.5

log\_PO4



COG2344

*FDR: 1.381e-02*  
*Coefficient: -3.23e-01*  
*N: 139*

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

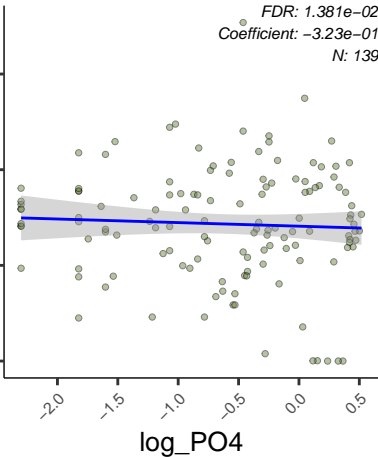
-1.0

-0.5

0.0

0.5

log\_PO4



COG5302

*FDR: 1.382e-02*  
*Coefficient: 9.58e-01*  
*N: 139*

2.0e-05

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

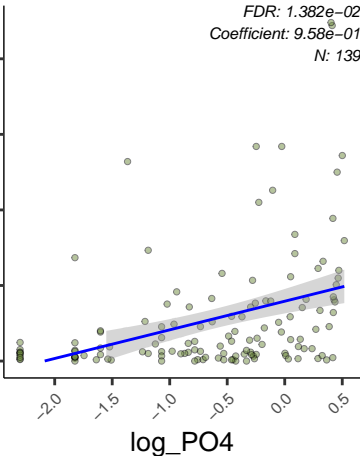
-1.0

-0.5

0.0

0.5

log\_PO4





COG1802

$6e-04$

$4e-04$

$2e-04$

*FDR: 1.392e-02*

*Coefficient: 3.35e-01*

*N: 139*

-2.0

-1.5

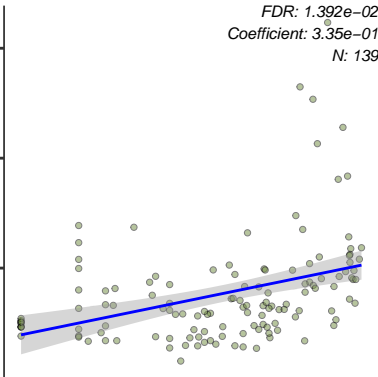
-1.0

-0.5

0.0

0.5

log\_PO4



COG1670

*FDR: 1.405e-02*  
*Coefficient: 2.36e-01*  
*N: 139*

6e-04

4e-04

2e-04

-2.0

-1.5

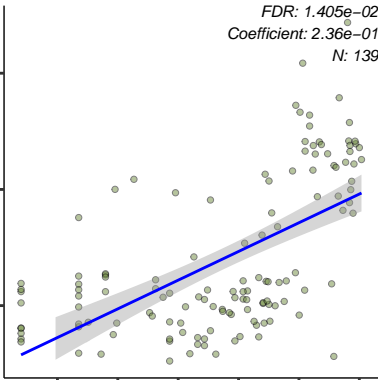
-1.0

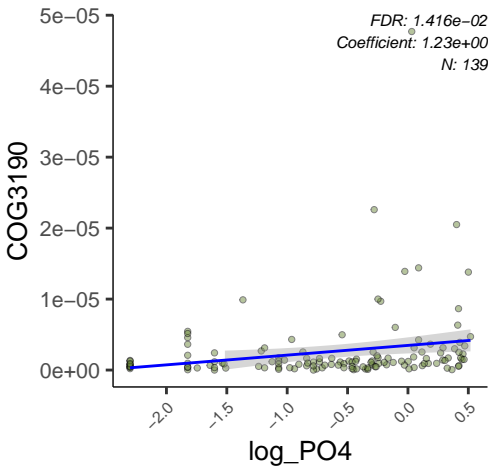
-0.5

0.0

0.5

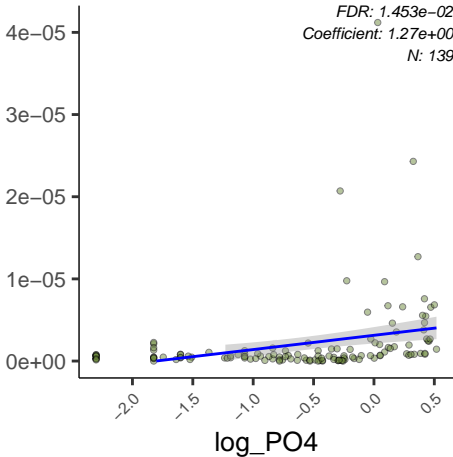
log\_PO4

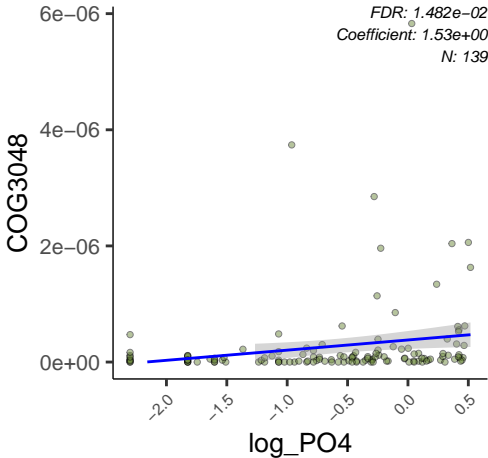


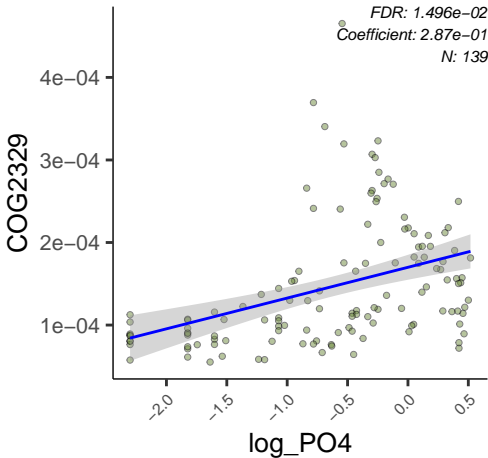


COG4967

*FDR: 1.453e-02*  
*Coefficient: 1.27e+00*  
*N: 139*







COG1623

*FDR: 1.507e-02*  
*Coefficient: -3.98e-01*  
*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

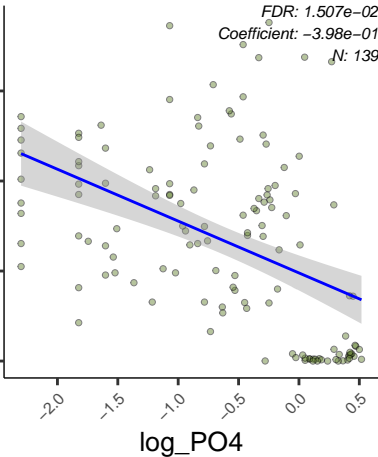
-1.0

-0.5

0.0

0.5

log\_PO4



COG2826

*FDR: 1.524e-02*  
*Coefficient: 8.39e-01*  
*N: 139*

4e-04

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

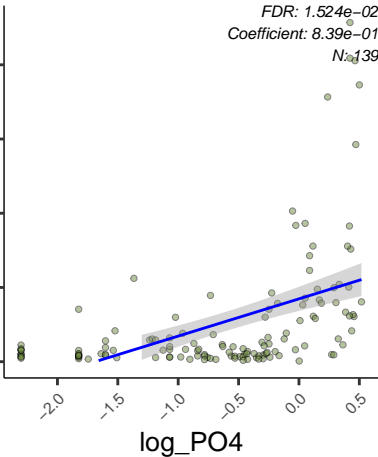
-1.0

-0.5

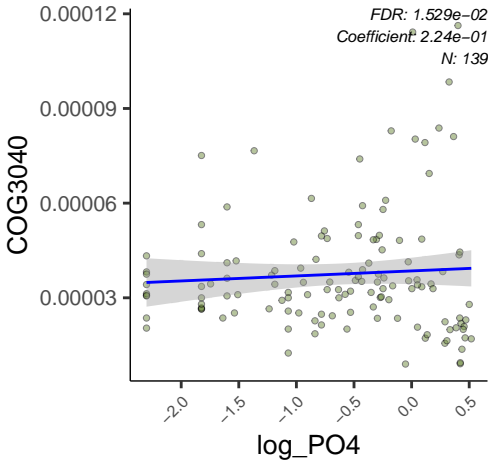
0.0

0.5

log\_PO4







COG3100

*FDR: 1.532e-02*  
*Coefficient: 6.05e-01*  
*N: 139*

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

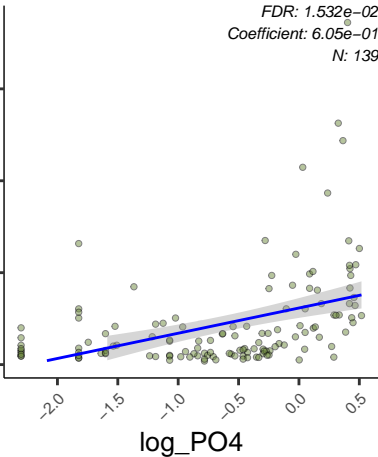
-1.0

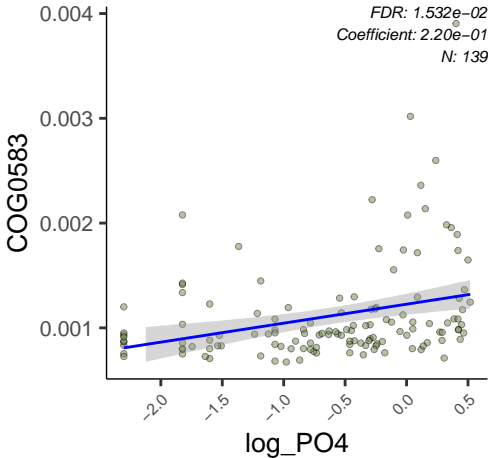
-0.5

0.0

0.5

log\_PO4





COG0723

*FDR: 1.532e-02*

*Coefficient: -7.30e-02*

*N: 139*

7e-04

6e-04

5e-04

4e-04

-2.0

-1.5

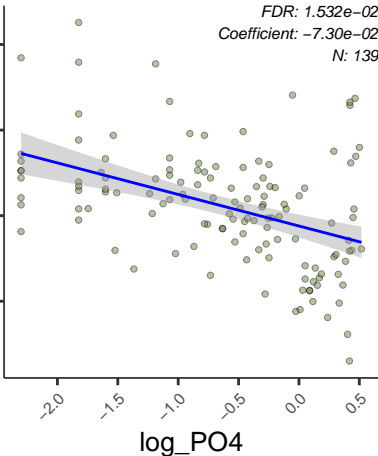
-1.0

-0.5

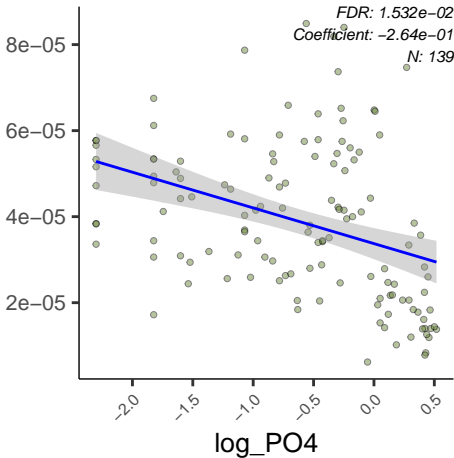
0.0

0.5

log\_PO4



COG2340



COG2761

*FDR: 1.532e-02*  
*Coefficient: 2.48e-01*  
*N: 139*

2e-04

1e-04

-2.0

-1.5

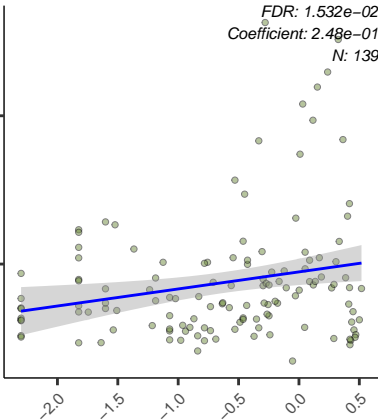
-1.0

-0.5

0.0

0.5

log\_PO4



COG3607

*FDR: 1.533e-02*  
*Coefficient: 9.95e-01*  
*N: 139*

9e-06

6e-06

3e-06

0e+00

-2.0

-1.5

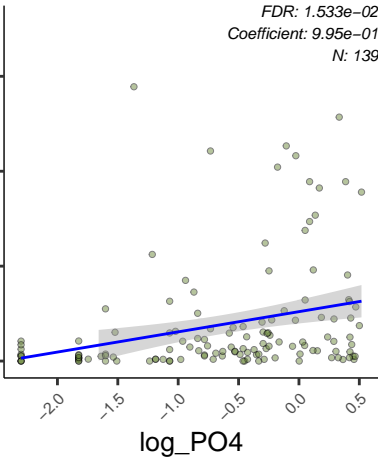
-1.0

-0.5

0.0

0.5

log\_PO4



COG3913

*FDR: 1.565e-02*  
*Coefficient: 1.37e+00*  
*N: 139*

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

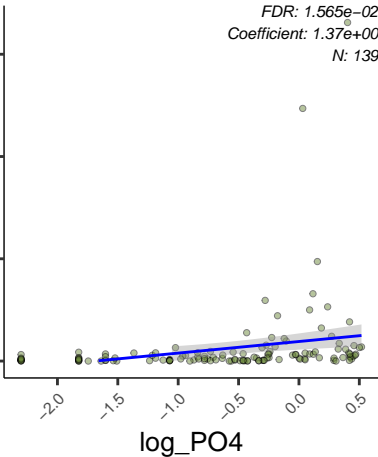
-1.0

-0.5

0.0

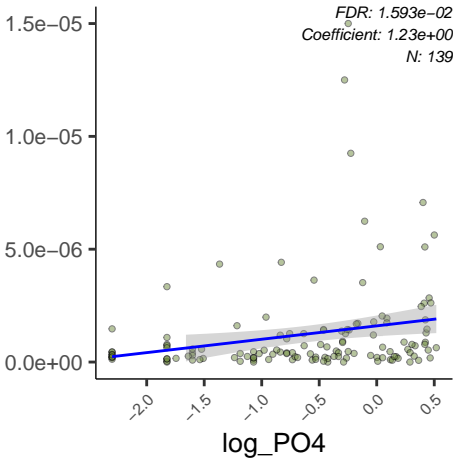
0.5

log\_PO4





COG2999



COG3126

*FDR: 1.602e-02*  
*Coefficient: 1.35e+00*  
*N: 139*

4e-05

2e-05

0e+00

-2.0

-1.5

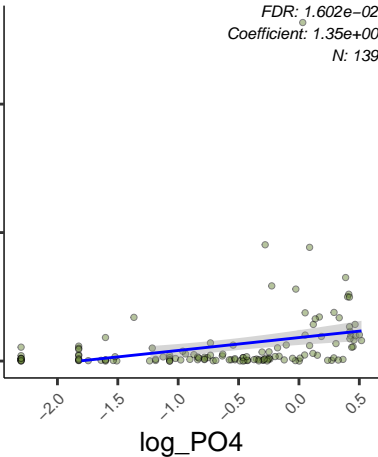
-1.0

-0.5

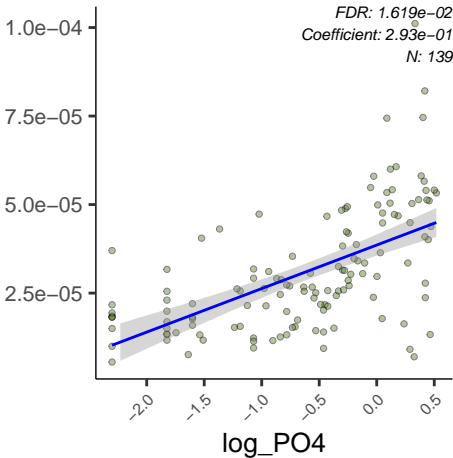
0.0

0.5

log\_PO4



COG2373



COG3138

*FDR: 1.623e-02*  
*Coefficient: 3.47e-01*  
*N: 139*

9e-05

6e-05

3e-05

-2.0

-1.5

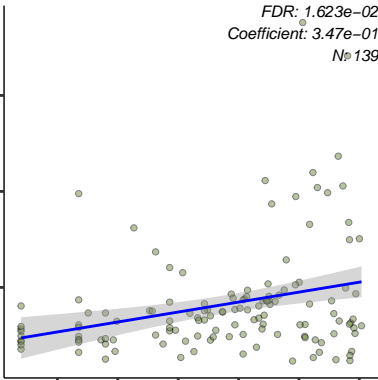
-1.0

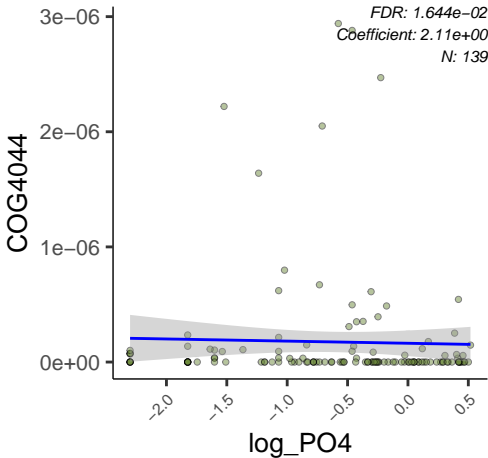
-0.5

0.0

0.5

log\_PO4





COG2878

*FDR: 1.650e-02*  
*Coefficient: 3.17e-01*  
*N: 139*

0.00020

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

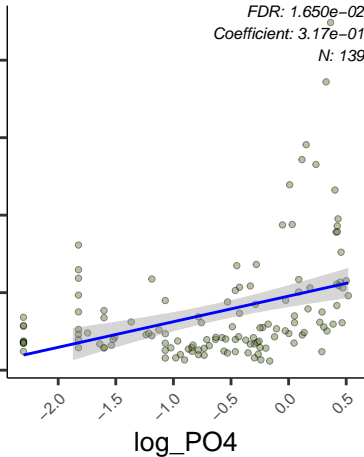
-1.0

-0.5

0.0

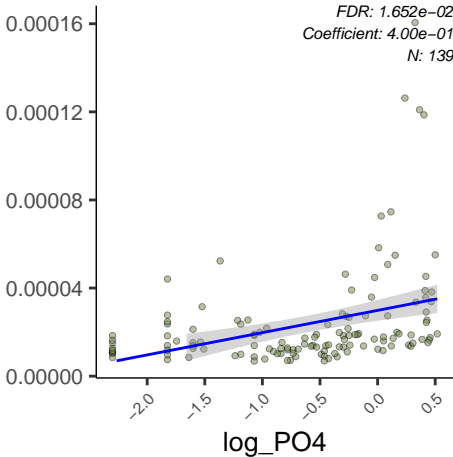
0.5

log\_PO4



COG2981

*FDR: 1.652e-02*  
*Coefficient: 4.00e-01*  
*N: 139*



COG4953

FDR: 1.656e-02  
Coefficient: 3.20e-01  
N: 139

4e-05

3e-05

2e-05

1e-05

-2.0

-1.5

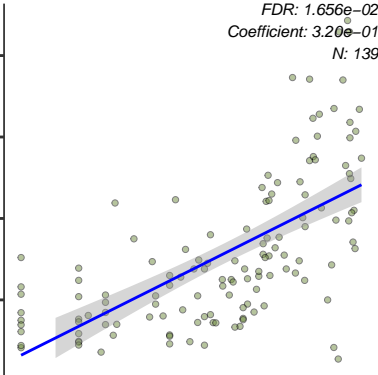
-1.0

-0.5

0.0

0.5

log\_PO4





COG3182

*FDR: 1.700e-02*  
*Coefficient: 5.97e-01*  
*N: 139*

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

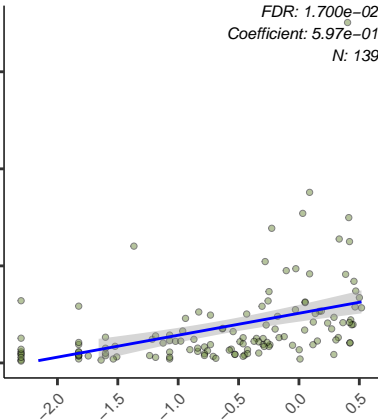
-1.0

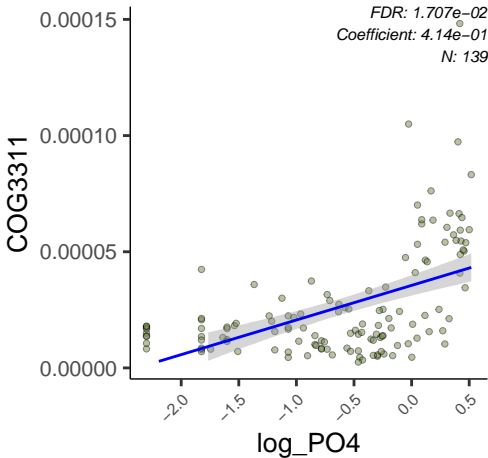
-0.5

0.0

0.5

log\_PO4





COG3071

FDR:  $1.725e-02$   
Coefficient:  $3.38e-01$   
N: 139

$1e-04$

$5e-05$

$0e+00$

-2.0

-1.5

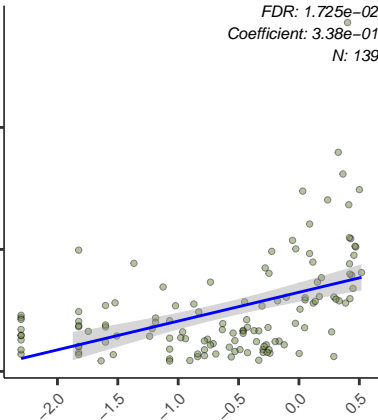
-1.0

-0.5

0.0

0.5

log\_PO4



COG1758

*FDR: 1.733e-02*

*Coefficient: -8.03e-02*

*N: 139*

5e-04

4e-04

3e-04

-2.0

-1.5

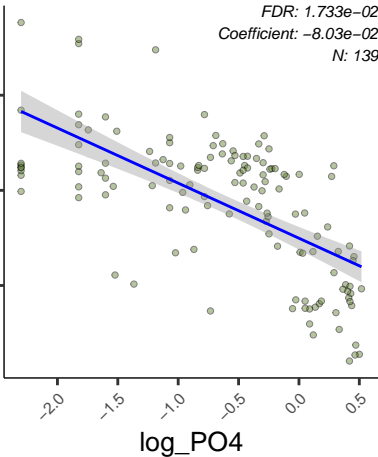
-1.0

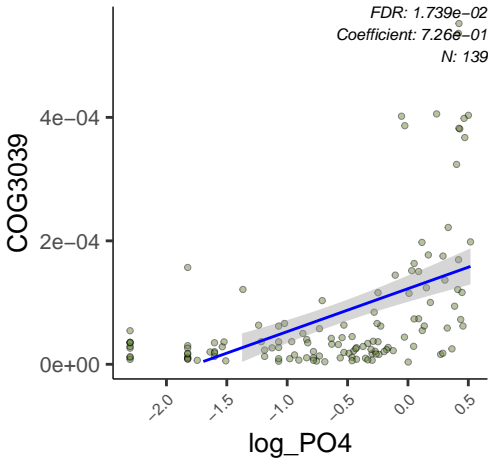
-0.5

0.0

0.5

log\_PO4





COG2212

*FDR: 1.754e-02*  
*Coefficient: 9.90e-01*  
*N: 139*

4e-05

2e-05

0e+00

-2.0

-1.5

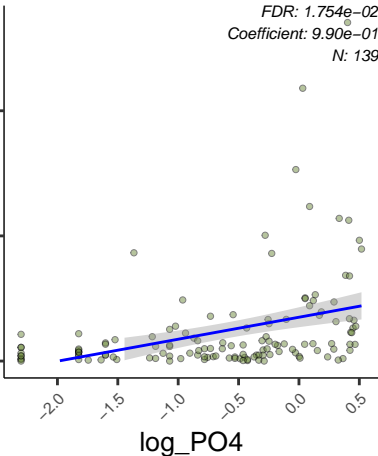
-1.0

-0.5

0.0

0.5

log\_PO4



COG3094

*FDR: 1.758e-02*  
*Coefficient: 1.47e+00*  
*N: 139*

4e-05

2e-05

0e+00

-2.0

-1.5

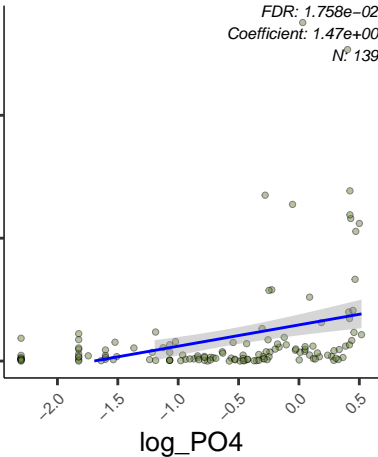
-1.0

-0.5

0.0

0.5

log\_PO4



COG2747

1.5e-05

1.0e-05

5.0e-06

0.0e+00

FDR: 1.764e-02

Coefficient: 1.05e+00

N: 139

-2.0

-1.5

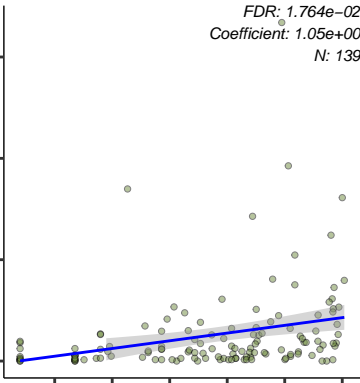
-1.0

-0.5

0.0

0.5

log\_PO4





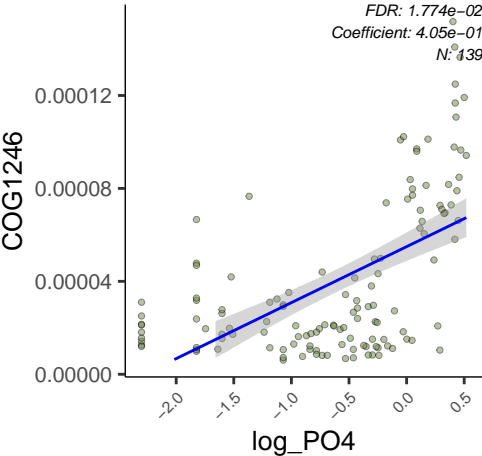
COG1246

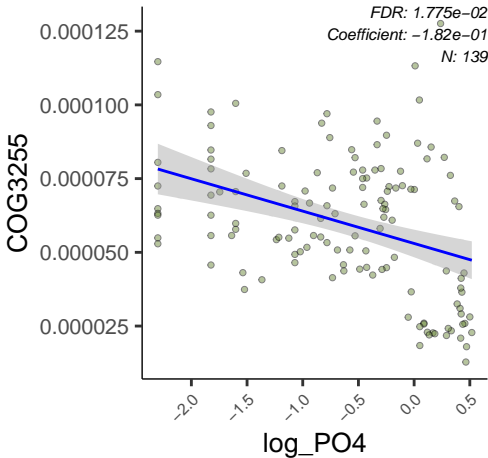
*FDR: 1.774e-02*  
*Coefficient: 4.05e-01*  
*N: 139*

0.00012  
0.00008  
0.00004  
0.00000

-2.0 -1.5 -1.0 -0.5 0.0 0.5

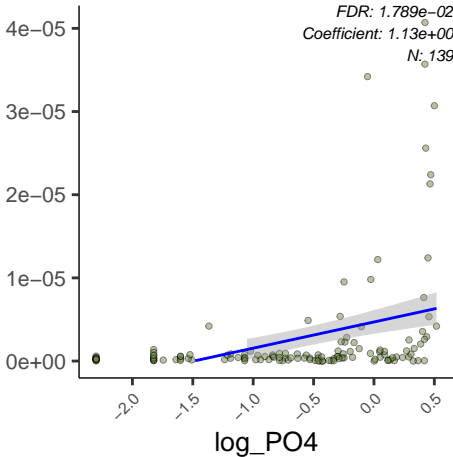
log\_PO4





COG3154

*FDR: 1.789e-02*  
*Coefficient: 1.13e+00*  
*N: 139*



COG4569

*FDR: 1.797e-02*  
*Coefficient: 2.58e-01*  
*N: 139*

8e-05  
6e-05  
4e-05  
2e-05  
0e+00

-2.0

-1.5

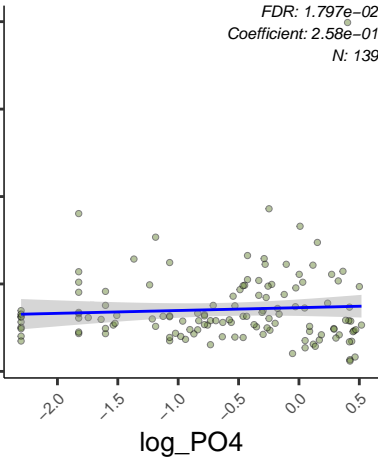
-1.0

-0.5

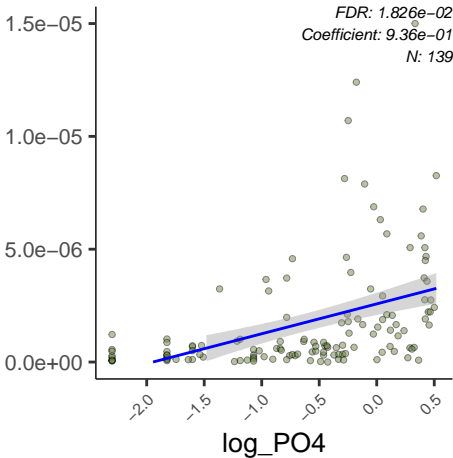
0.0

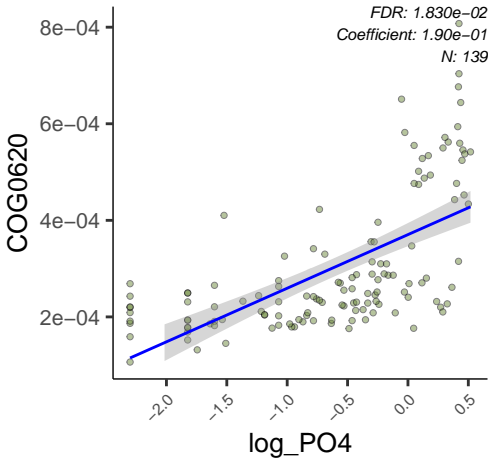
0.5

log\_PO4



COG4804





COG0310

7.5e-05  
5.0e-05  
2.5e-05  
0.0e+00

-2.0

-1.5

-1.0

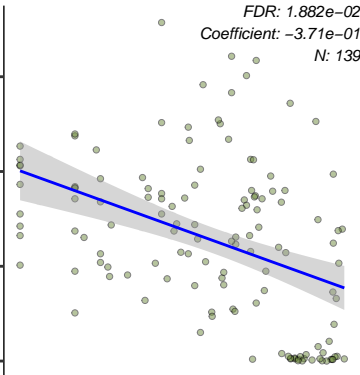
-0.5

0.0

0.5

log\_PO4

FDR: 1.882e-02  
Coefficient: -3.71e-01  
N: 139



COG3147

*FDR: 1.960e-02*  
*Coefficient: 6.16e-01*  
*N: 139*

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

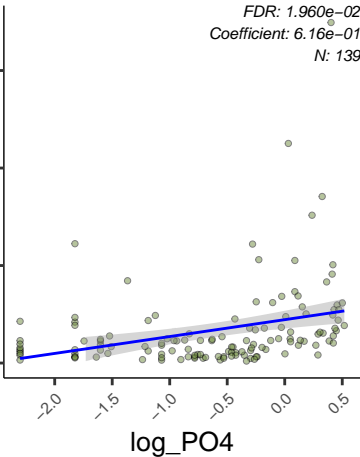
-1.0

-0.5

0.0

0.5

log\_PO4





COG1064

*FDR: 1.985e-02*  
*Coefficient: 1.83e-01*  
*N: 139*

5e-04

4e-04

3e-04

2e-04

1e-04

-2.0

-1.5

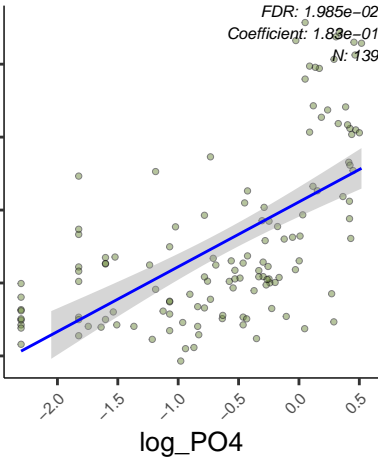
-1.0

-0.5

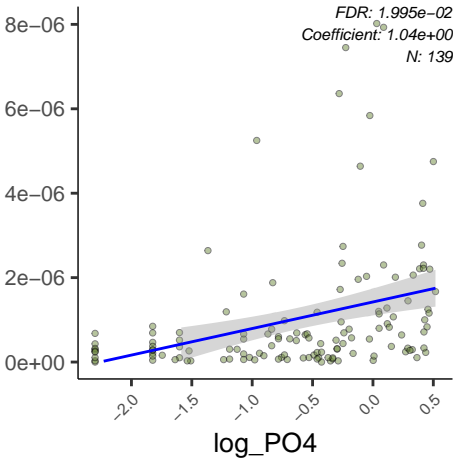
0.0

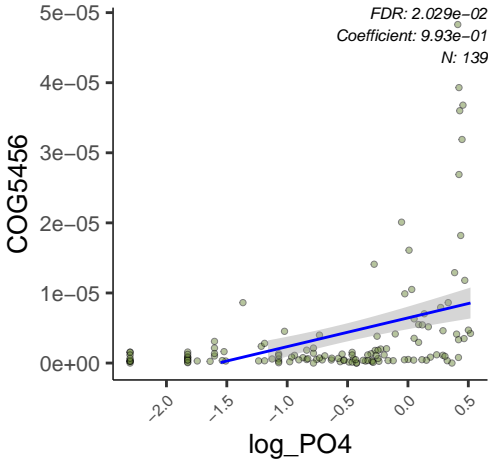
0.5

log\_PO4



COG3322





COG2915

*FDR: 2.030e-02*  
*Coefficient: 3.43e-01*  
*N: 139*

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

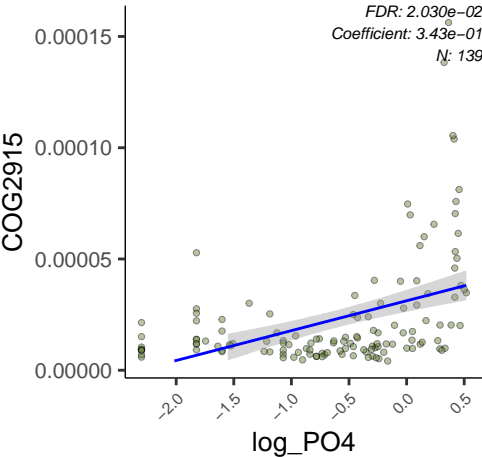
-1.0

-0.5

0.0

0.5

log\_PO4



COG4246

2.5e-05  
2.0e-05  
1.5e-05  
1.0e-05  
5.0e-06  
0.0e+00

-2.0

-1.5

-1.0

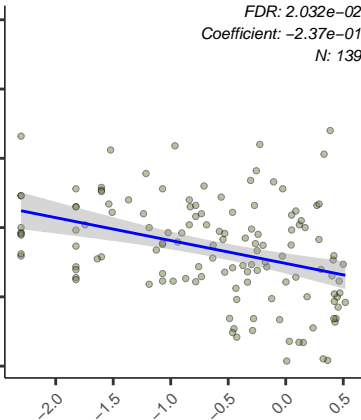
-0.5

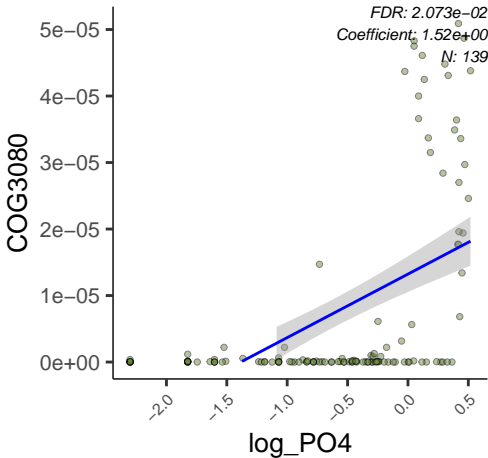
0.0

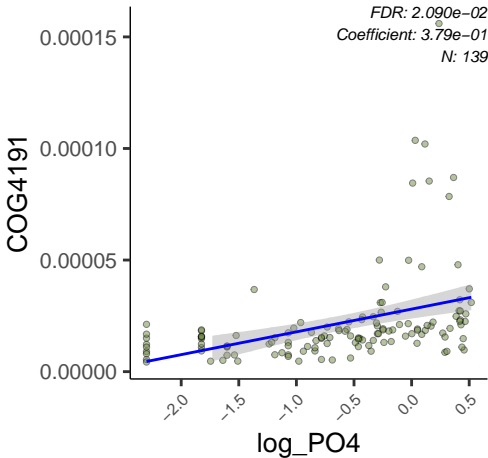
0.5

log\_PO4

*FDR: 2.032e-02*  
*Coefficient: -2.37e-01*  
*N: 139*







COG0524

*FDR: 2.106e-02*

*Coefficient: -3.69e-02*

*N: 139*

0.0014

0.0013

0.0012

0.0011

0.0010

-2.0

-1.5

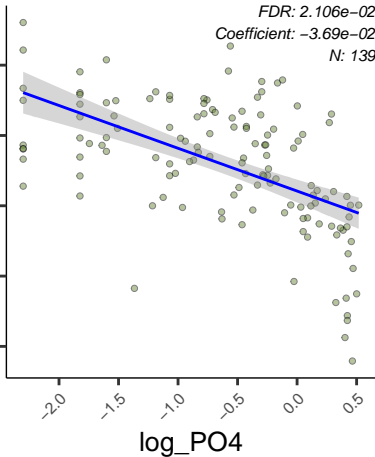
-1.0

-0.5

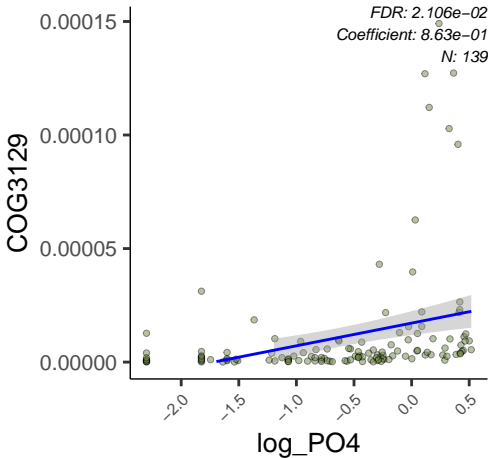
0.0

0.5

log\_PO4







COG3769

*FDR: 2.121e-02*

*Coefficient: -3.24e-01*

*N: 139*

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

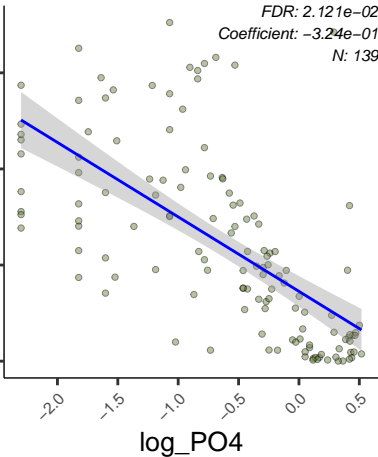
-1.0

-0.5

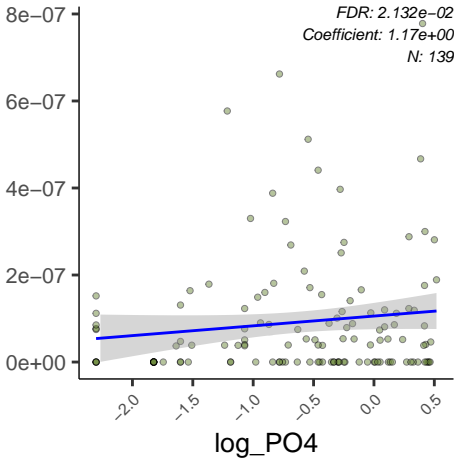
0.0

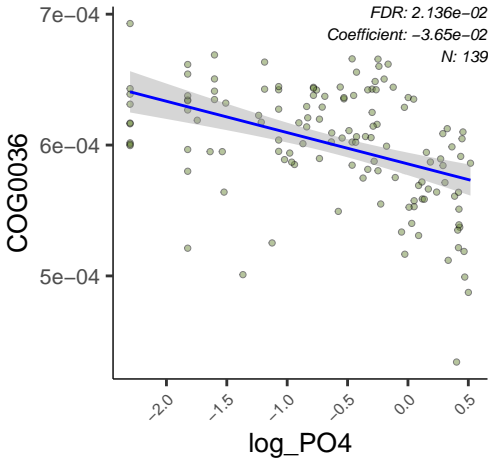
0.5

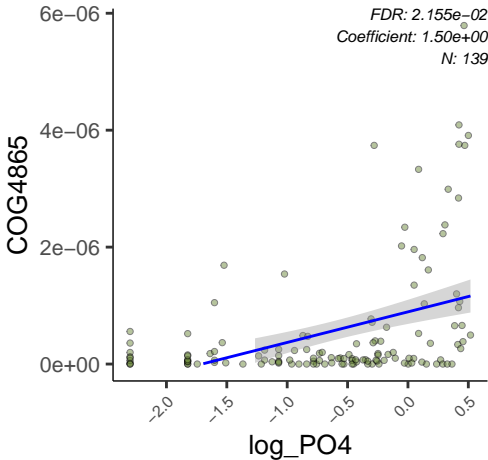
log\_PO4



COG4449







COG3248

*FDR: 2.158e-02*  
*Coefficient: 1.03e+00*  
*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

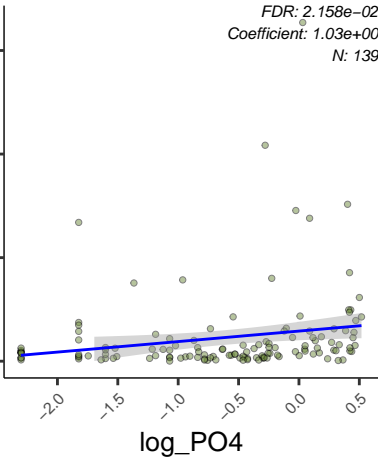
-1.0

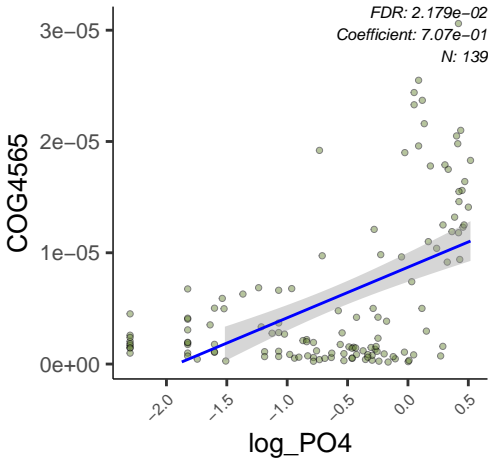
-0.5

0.0

0.5

log\_PO4





COG1942

*FDR: 2.190e-02*

*Coefficient: -3.32e-01*

*N: 139*

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

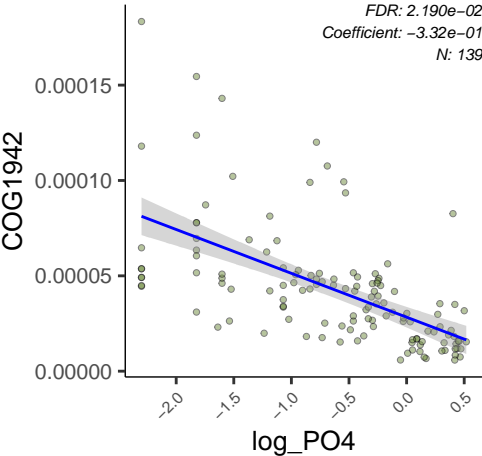
-1.0

-0.5

0.0

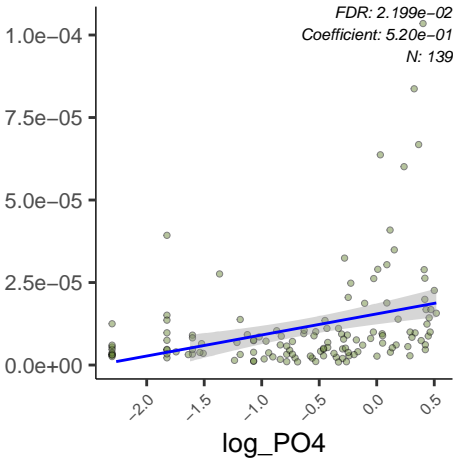
0.5

log\_PO4





COG3026



COG4551

FDR:  $2.199\text{e-}02$   
Coefficient:  $9.24\text{e-}01$   
N: 139

$1\text{e-}05$

$5\text{e-}06$

$0\text{e+}00$

-2.0

-1.5

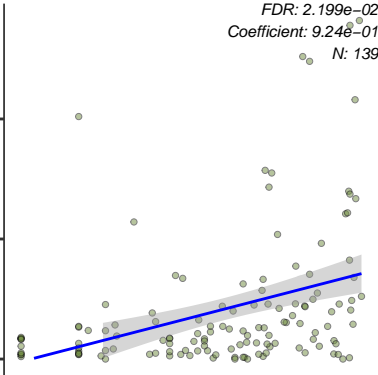
-1.0

-0.5

0.0

0.5

log\_PO4



COG1017

*FDR: 2.200e-02*  
*Coefficient: 8.76e-01*  
*N: 139*

4e-05  
3e-05  
2e-05  
1e-05  
0e+00

-2.0

-1.5

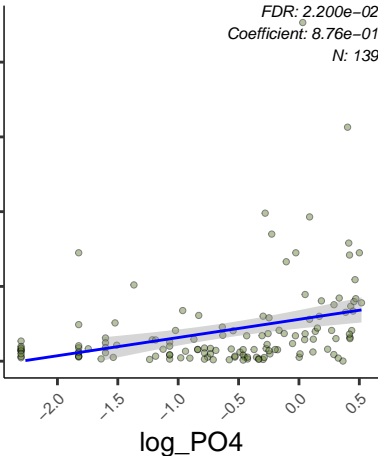
-1.0

-0.5

0.0

0.5

log\_PO4



COG2909

FDR: 2.202e-02  
Coefficient: 8.44e-01  
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

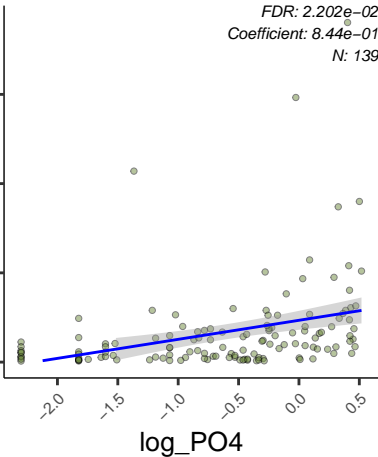
-1.0

-0.5

0.0

0.5

log\_PO4



COG1018

*FDR: 2.204e-02*  
*Coefficient: 2.05e-01*  
*N: 139*

6e-04

4e-04

2e-04

-2.0

-1.5

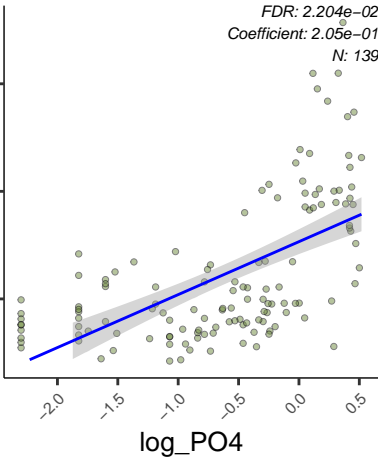
-1.0

-0.5

0.0

0.5

log\_PO4



COG4340

*FDR: 2.208e-02*  
*Coefficient: 8.33e-01*  
*N: 139*

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

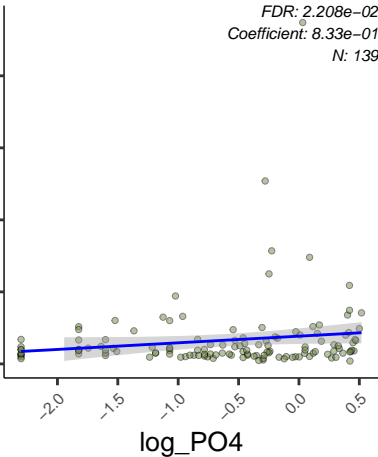
-1.0

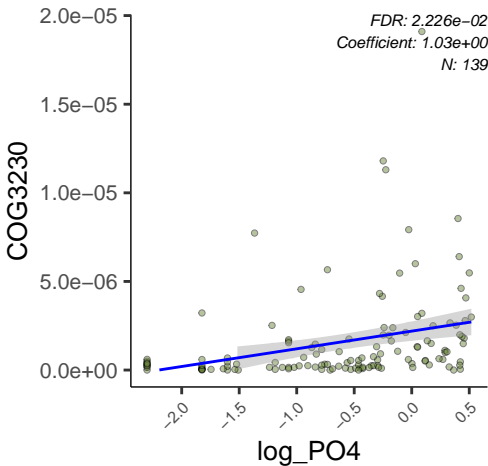
-0.5

0.0

0.5

log\_PO4





COG1309

*FDR: 2.236e-02*  
*Coefficient: 2.12e-01*  
*N: 139*

0.0015

0.0010

0.0005

-2.0

-1.5

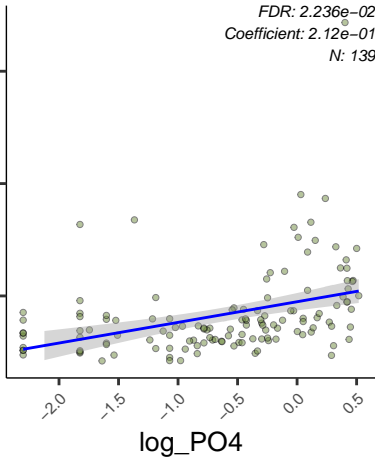
-1.0

-0.5

0.0

0.5

log\_PO4





COG2206

*FDR: 2.245e-02*  
*Coefficient: 4.15e-01*  
*N: 139*

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

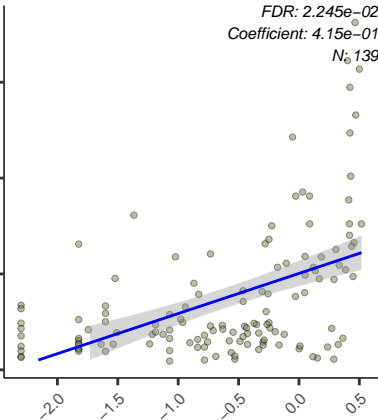
-1.0

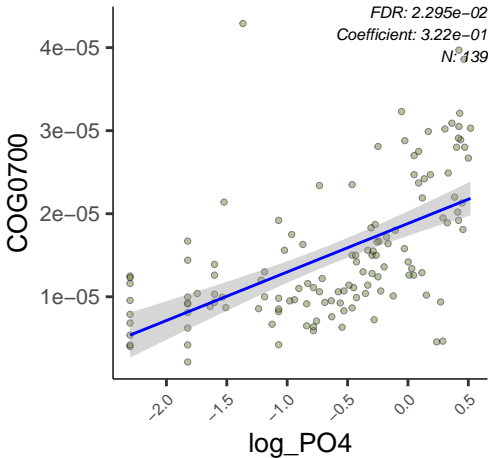
-0.5

0.0

0.5

log\_PO4





COG2838

0.00020

0.00015

0.00010

0.00005

-2.0

-1.5

-1.0

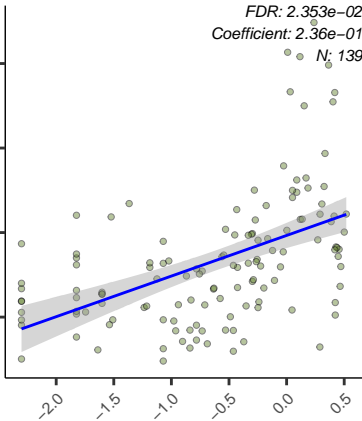
-0.5

0.0

0.5

log\_PO4

*FDR: 2.353e-02*  
*Coefficient: 2.36e-01*  
*N: 139*



COG2052

FDR:  $2.364e-02$   
Coefficient:  $-1.85e+00$   
N: 139

$1e-05$

$5e-06$

$0e+00$

-2.0

-1.5

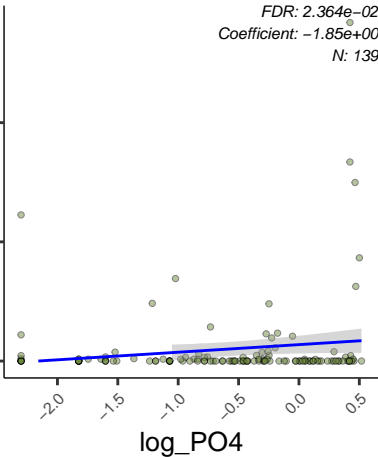
-1.0

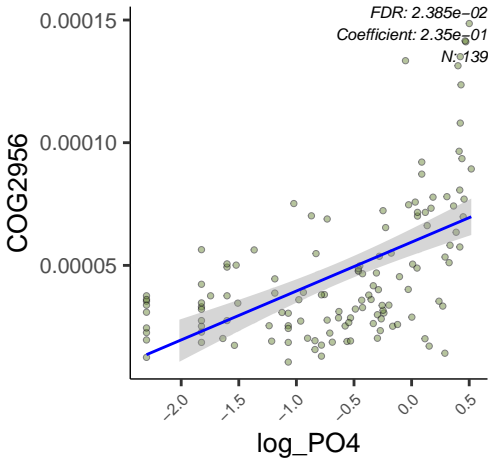
-0.5

0.0

0.5

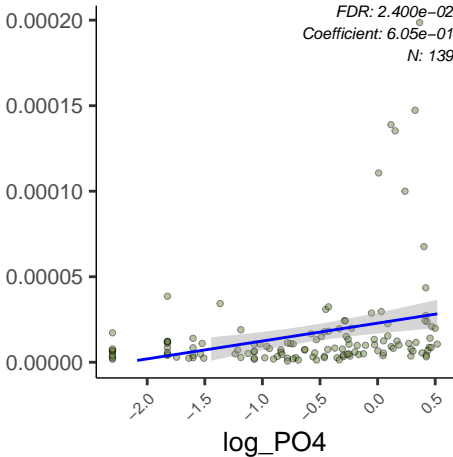
log\_PO4





COG3345

*FDR: 2.400e-02*  
*Coefficient: 6.05e-01*  
*N: 139*



COG2827

FDR: 2.423e-02  
Coefficient: 2.79e-01  
N: 139

0.00015

0.00010

0.00005

-2.0

-1.5

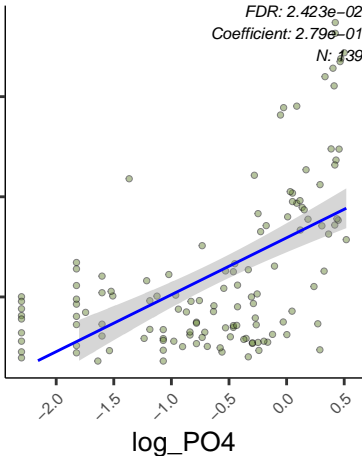
-1.0

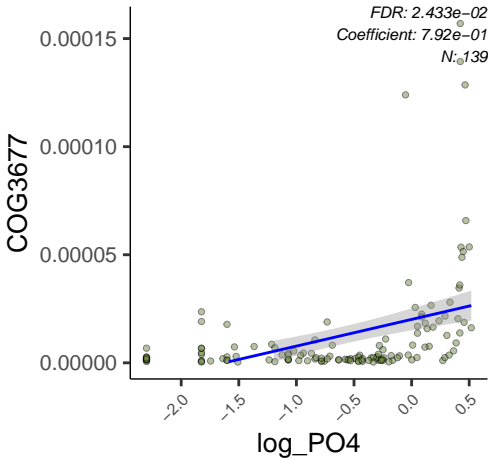
-0.5

0.0

0.5

log\_PO4







COG4540

*FDR: 2.450e-02*  
*Coefficient: 1.59e+00*  
*N: 139*

1e-05

5e-06

0e+00

-2.0

-1.5

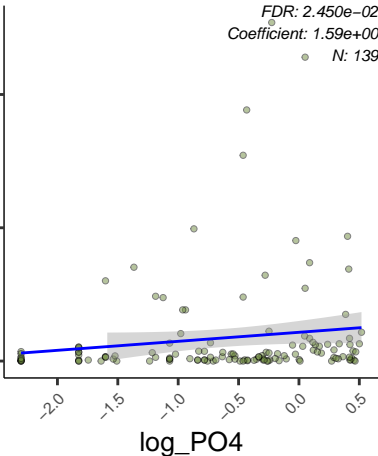
-1.0

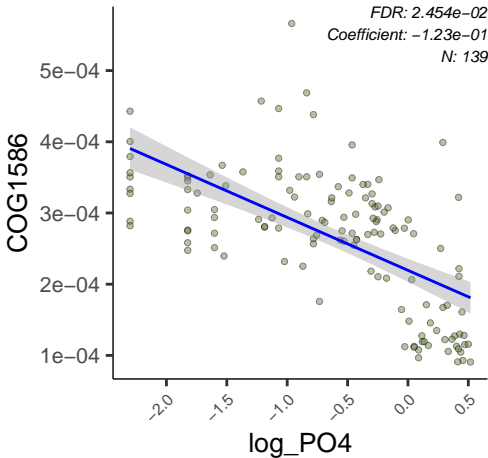
-0.5

0.0

0.5

log\_PO4





COG2815

*FDR: 2.469e-02*  
*Coefficient: -3.21e-01*  
*N: 139*

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

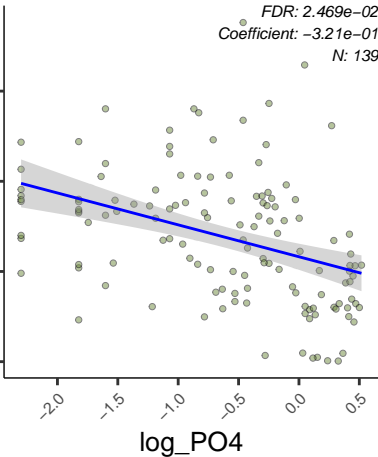
-1.0

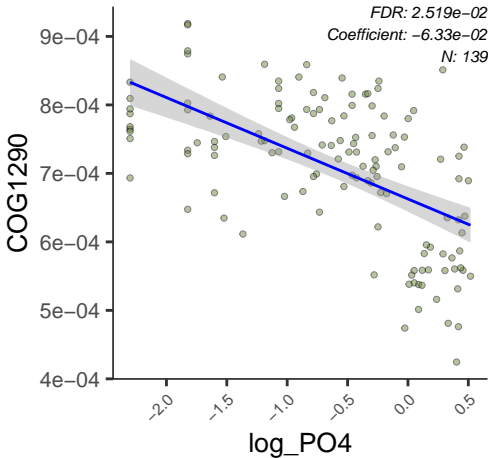
-0.5

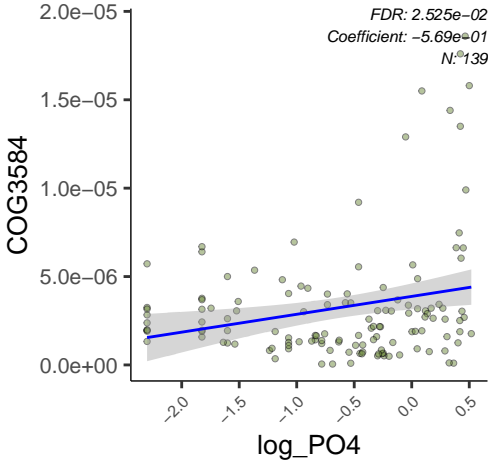
0.0

0.5

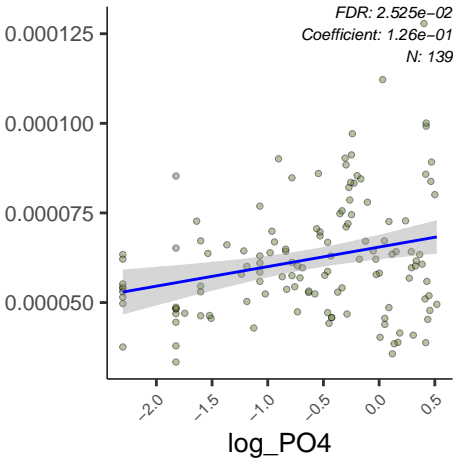
log\_PO4







COG4096



COG5004

*FDR: 2.542e-02*  
*Coefficient: 1.68e+00*  
*N: 139*

9e-06

6e-06

3e-06

0e+00

log\_PO4

-2.0

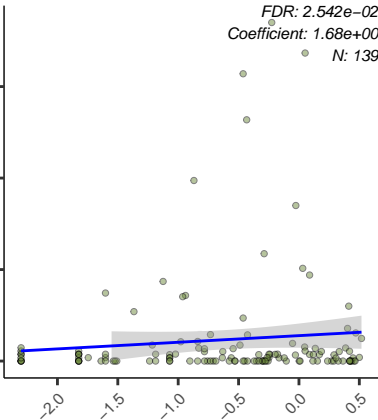
-1.5

-1.0

-0.5

0.0

0.5



COG3267

*FDR: 2.569e-02*  
*Coefficient: 3.11e-01*  
*N: 139*

2e-04

1e-04

0e+00

-2.0

-1.5

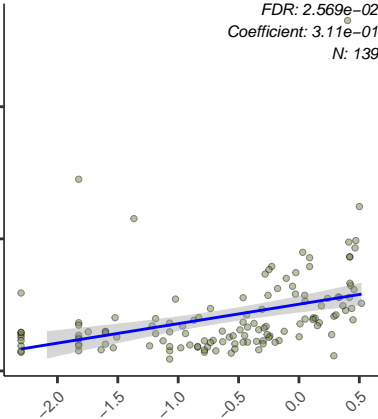
-1.0

-0.5

0.0

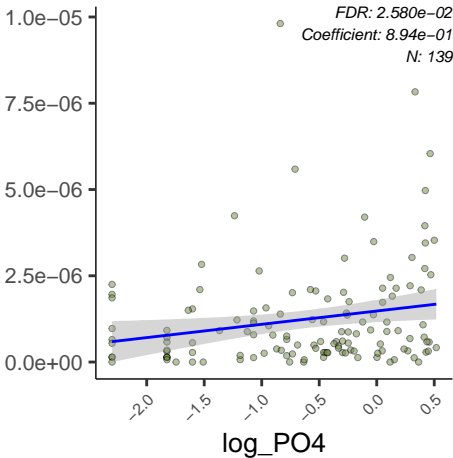
0.5

log\_PO4

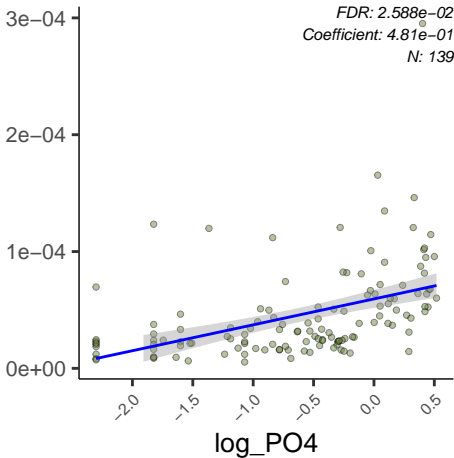




COG4634



COG3712



COG0592

*FDR: 2.588e-02*

*Coefficient: -5.59e-02*

*N: 139*

8e-04

7e-04

6e-04

-2.0

-1.5

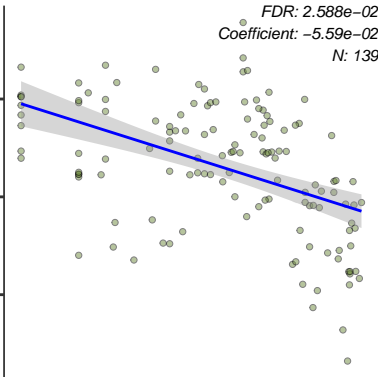
-1.0

-0.5

0.0

0.5

log\_PO4



COG1275

*FDR: 2.605e-02*  
*Coefficient: 1.42e+00*  
*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

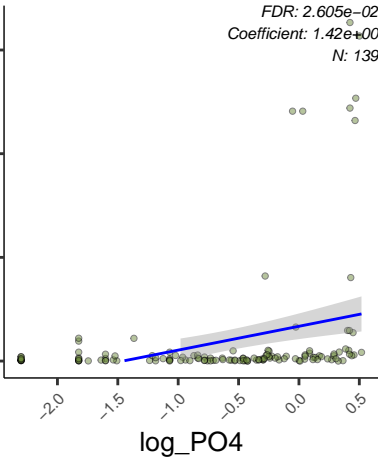
-1.0

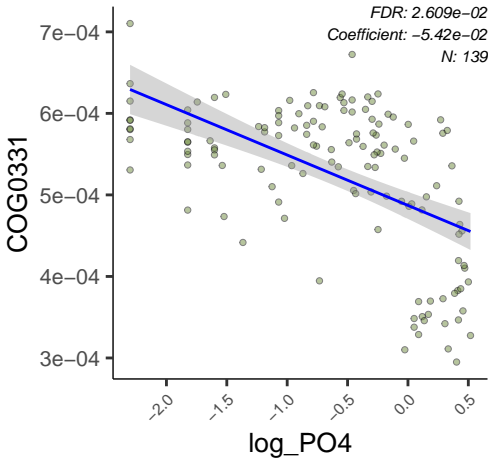
-0.5

0.0

0.5

log\_PO4





COG1819

FDR: 2.615e-02

Coefficient: -3.49e-01

N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

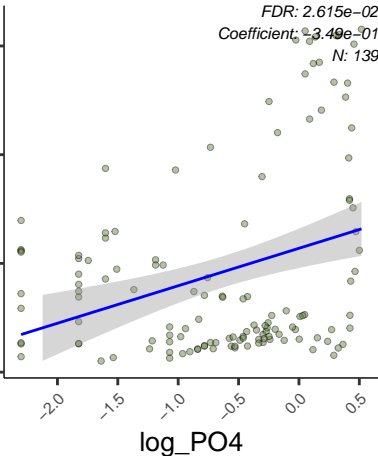
-1.0

-0.5

0.0

0.5

log\_PO4



COG4132

*FDR: 2.627e-02*  
*Coefficient: 1.44e+00*  
*N: 139*

1e-05

5e-06

0e+00

log\_PO4

-2.0

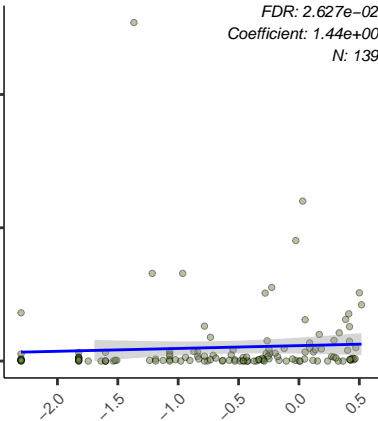
-1.5

-1.0

-0.5

0.0

0.5



COG2186

*FDR: 2.645e-02*  
*Coefficient: 4.25e-01*  
*N: 139*

3e-04

2e-04

1e-04

-2.0

-1.5

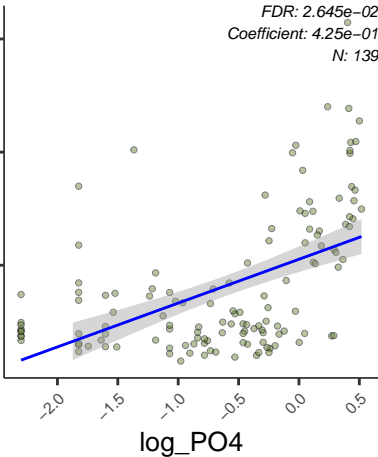
-1.0

-0.5

0.0

0.5

log\_PO4





COG2210

*FDR: 2.645e-02*  
*Coefficient: 6.89e-01*  
*N: 139*

0.00020

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

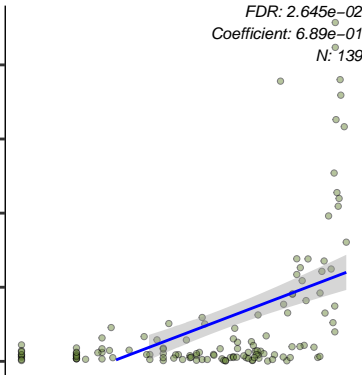
-1.0

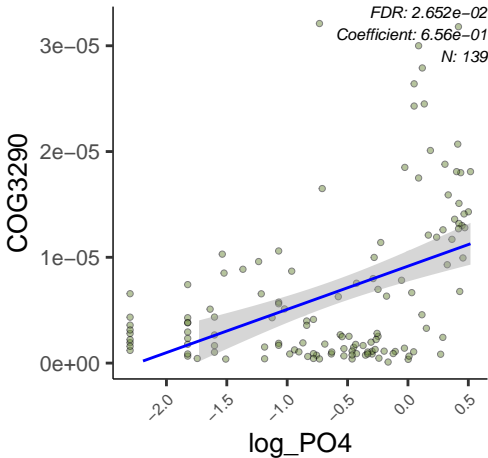
-0.5

0.0

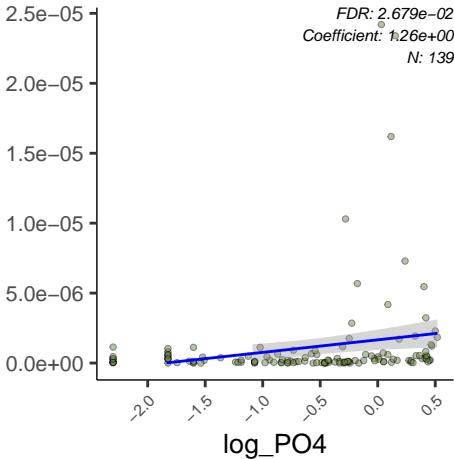
0.5

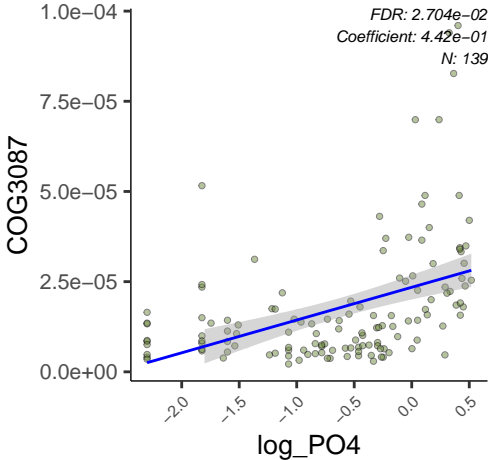
log\_PO4





COG4455





COG2137

0.00020  
0.00015  
0.00010

*FDR: 2.719e-02*  
*Coefficient: 1.40e-01*  
*N: 139*

-2.0

-1.5

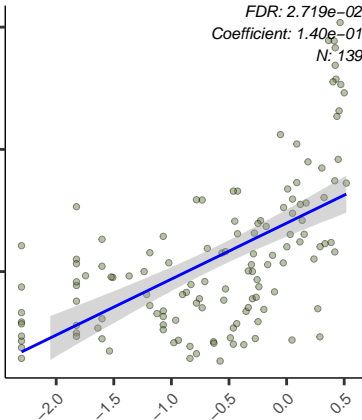
-1.0

-0.5

0.0

0.5

log\_PO4



COG3176

*FDR: 2.796e-02*

*Coefficient: -2.45e-01*

*N: 139*

6e-04

4e-04

2e-04

0e+00

-2.0

-1.5

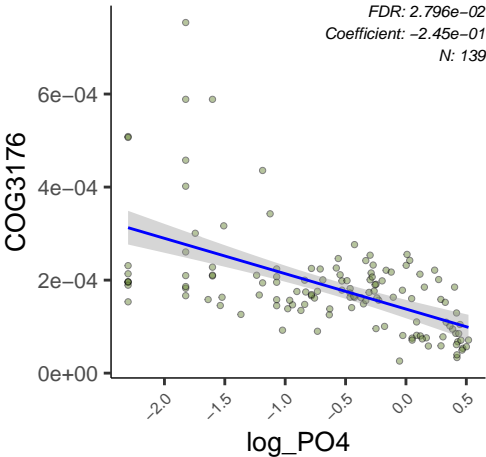
-1.0

-0.5

0.0

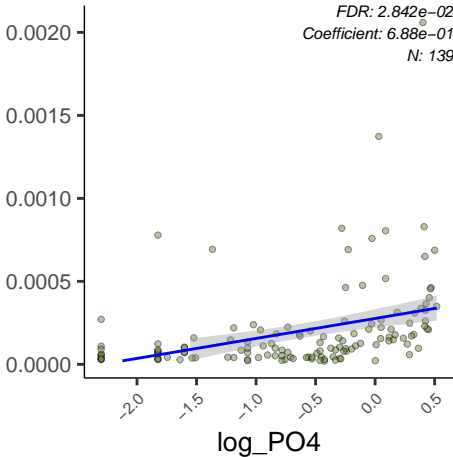
0.5

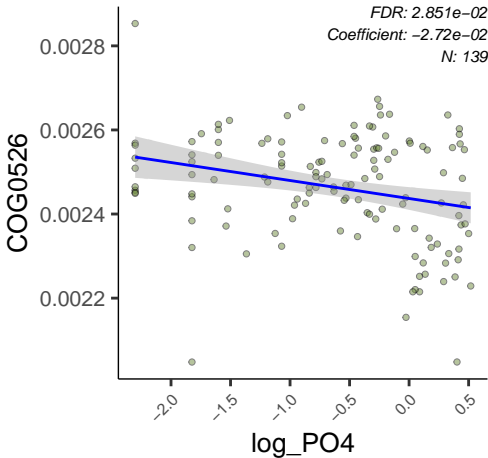
log\_PO4



COG2199

*FDR: 2.842e-02*  
*Coefficient: 6.88e-01*  
*N: 139*







COG3187

*FDR: 2.866e-02*  
*Coefficient: 7.94e-01*  
*N: 139*

6e-05  
4e-05  
2e-05  
0e+00

-2.0

-1.5

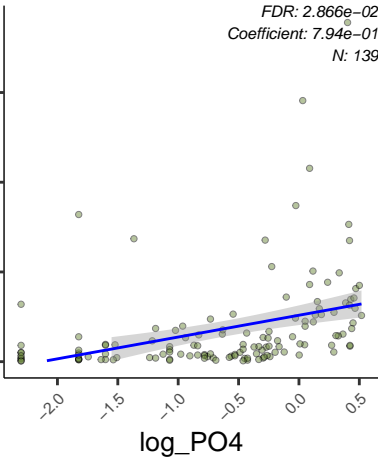
-1.0

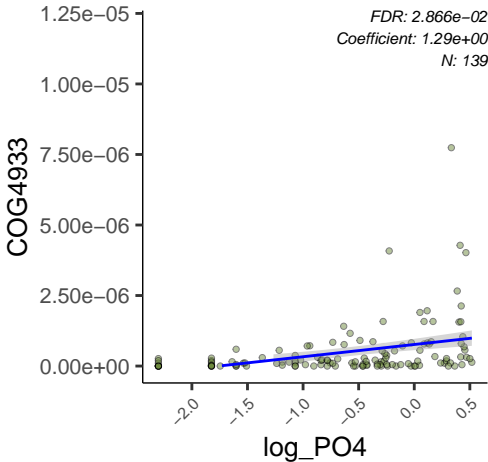
-0.5

0.0

0.5

log\_PO4





COG1317

*FDR: 2.868e-02*  
*Coefficient: 5.44e-01*  
*N: 139*

1e-04

5e-05

0e+00

-2.0

-1.5

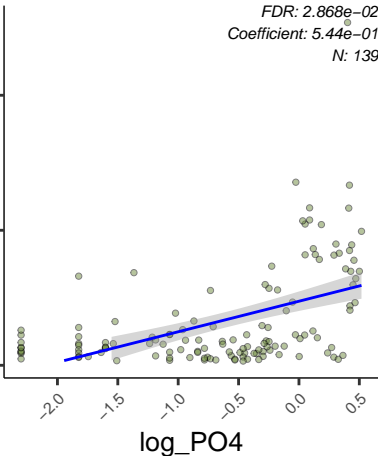
-1.0

-0.5

0.0

0.5

log\_PO4



COG5619

*FDR: 2.878e-02*  
*Coefficient: 1.38e+00*  
*N: 139*

7.5e-06

5.0e-06

2.5e-06

0.0e+00

-2.0

-1.5

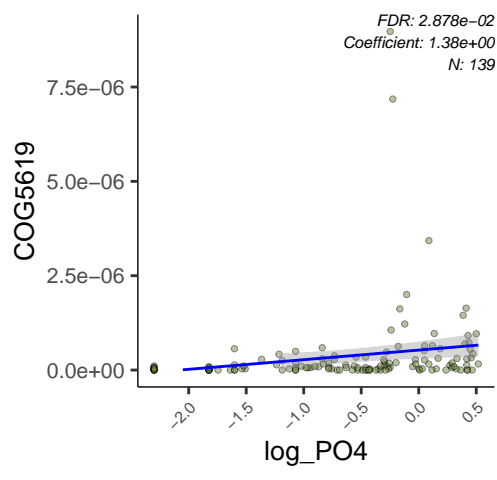
-1.0

-0.5

0.0

0.5

log\_PO4



COG3948

*FDR: 2.914e-02*  
*Coefficient: 1.47e+00*  
*N: 139*

9e-06

6e-06

3e-06

0e+00

-2.0

-1.5

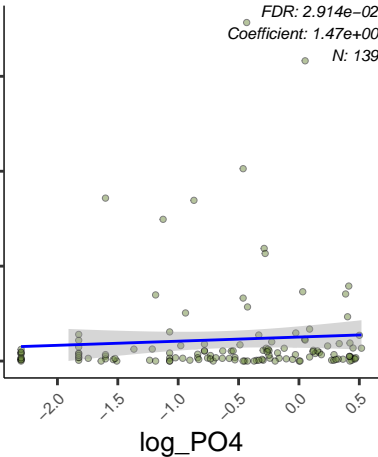
-1.0

-0.5

0.0

0.5

log\_PO4



COG2969

*FDR: 2.921e-02*  
*Coefficient: 3.37e-01*  
*N: 139*

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

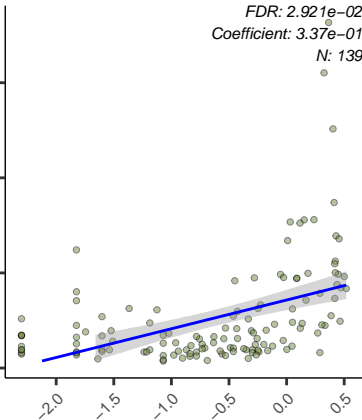
-1.0

-0.5

0.0

0.5

log\_PO4

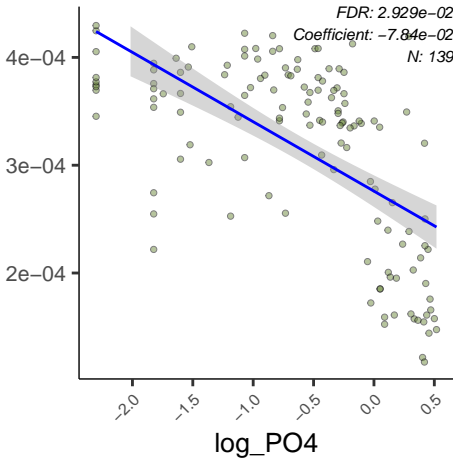


COG0785

FDR: 2.929e-02

Coefficient:  $-7.84 \times 10^{-2}$

N: 139



COG2965

*FDR: 2.929e-02*  
*Coefficient: 1.22e+00*  
*N: 139*

5e-05  
4e-05  
3e-05  
2e-05  
1e-05  
0e+00

-2.0

-1.5

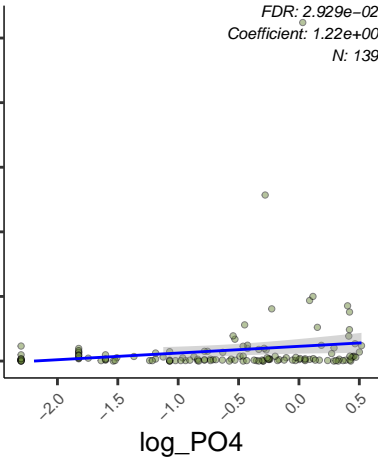
-1.0

-0.5

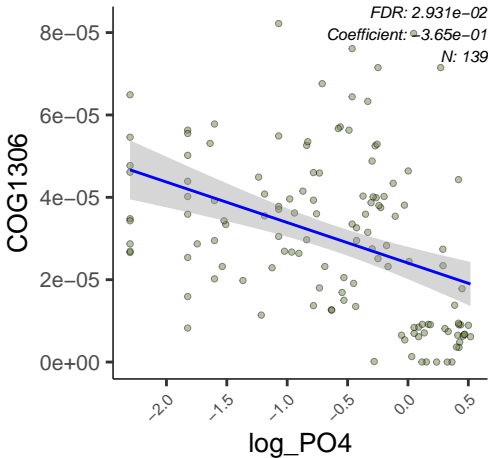
0.0

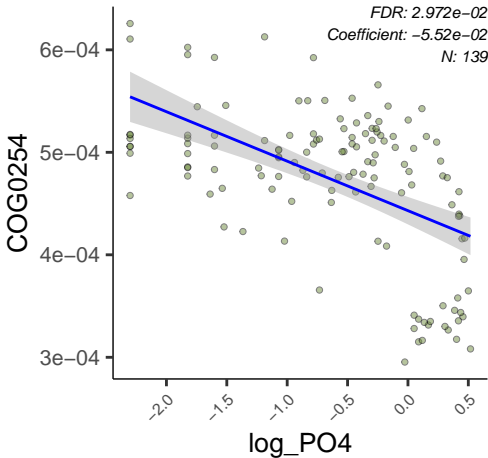
0.5

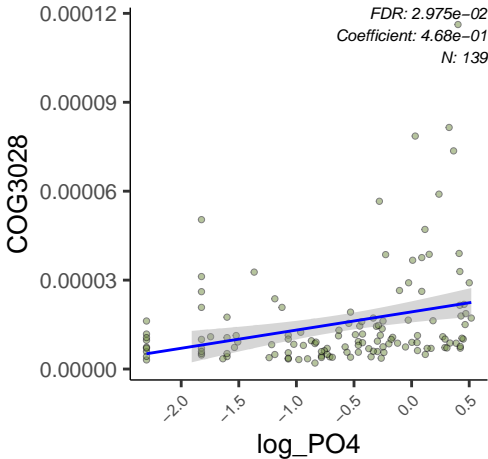
log\_PO4

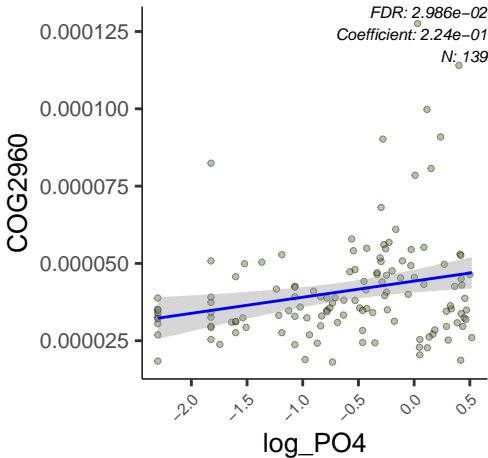


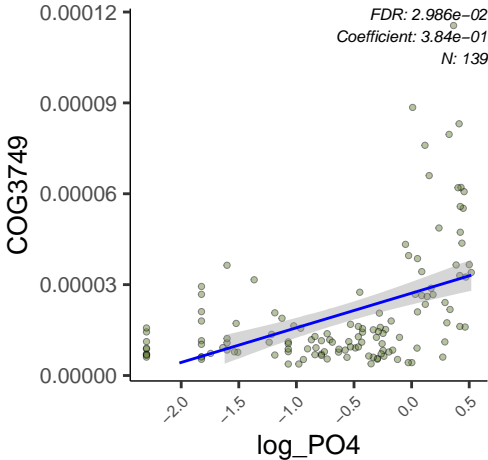












COG0699

*FDR: 2.988e-02*  
*Coefficient: 8.97e-01*  
*N: 139*

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

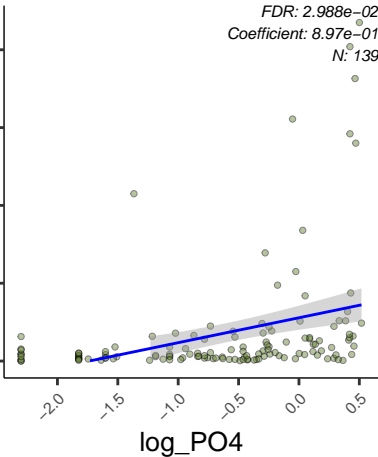
-1.0

-0.5

0.0

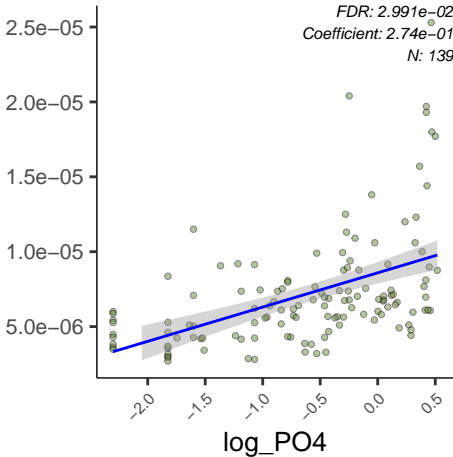
0.5

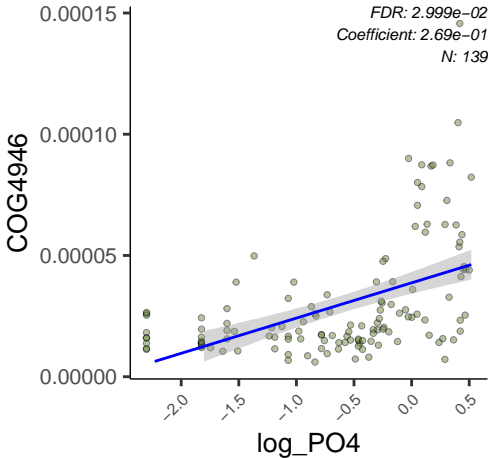
log\_PO4



COG3586

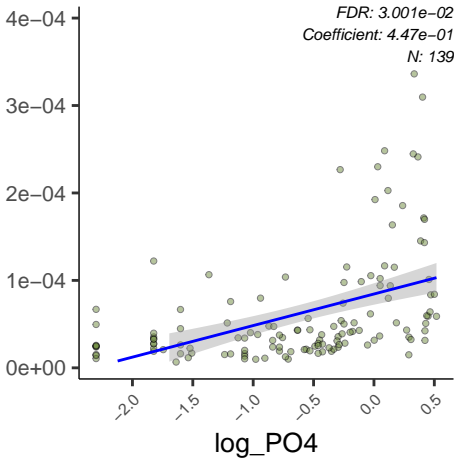
*FDR: 2.991e-02*  
*Coefficient: 2.74e-01*  
*N: 139*







COG3279



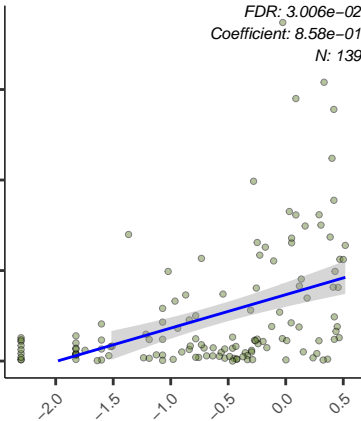
COG3868

*FDR: 3.006e-02*  
*Coefficient: 8.58e-01*  
*N: 139*

1.5e-05  
1.0e-05  
5.0e-06  
0.0e+00

-2.0 -1.5 -1.0 -0.5 0.0 0.5

log\_PO4



COG0121

FDR:  $3.012 \times 10^{-2}$   
Coefficient:  $4.96 \times 10^{-1}$   
N: 139

$7.5 \times 10^{-5}$

$5.0 \times 10^{-5}$

$2.5 \times 10^{-5}$

$0.0 \times 10^0$

-2.0

-1.5

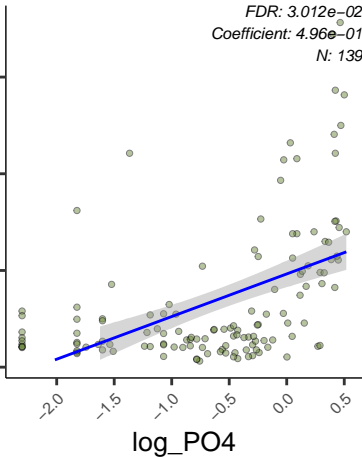
-1.0

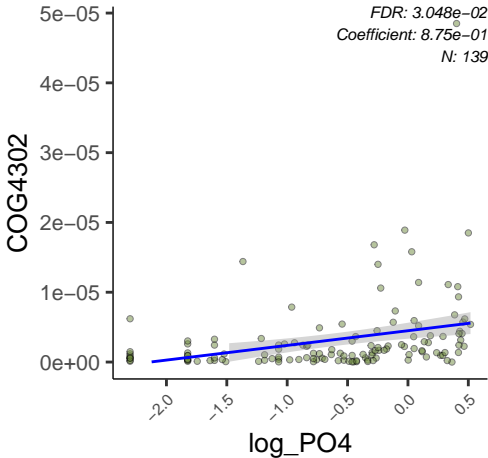
-0.5

0.0

0.5

log\_PO4





COG3739

*FDR: 3.060e-02*  
*Coefficient: 7.38e-01*  
*N: 139*

2.0e-05

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

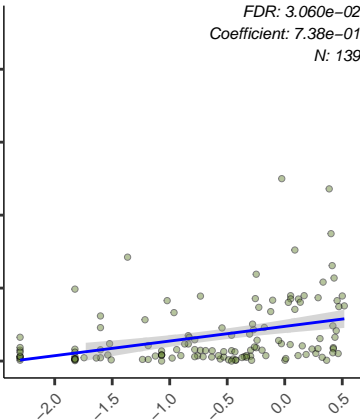
-1.0

-0.5

0.0

0.5

log\_PO4



COG0213

2e-04

1e-04

FDR: 3.066e-02

Coefficient: 1.61e-01

N: 139

-2.0

-1.5

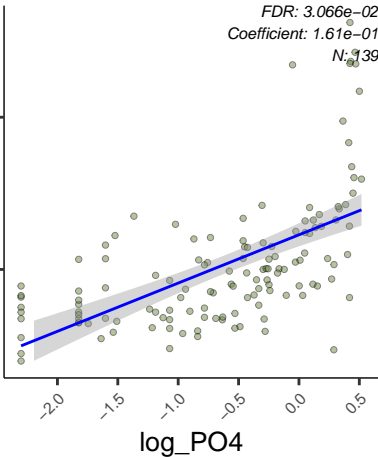
-1.0

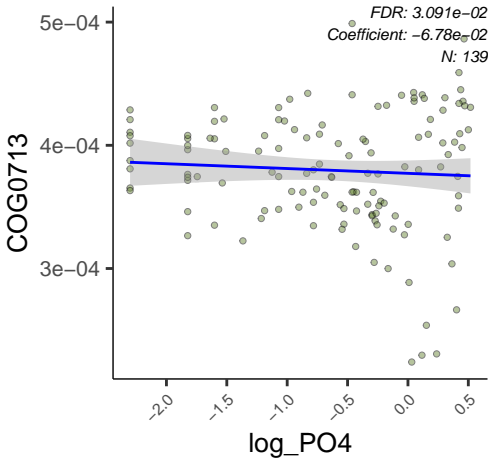
-0.5

0.0

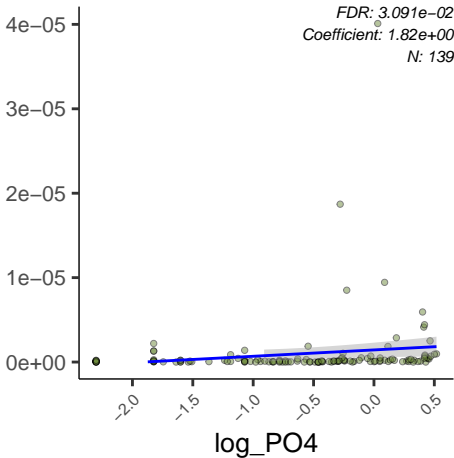
0.5

log\_PO4





COG2502





COG1934

*FDR: 3.132e-02*  
*Coefficient: 2.94e-01*  
*N: 139*

0.00015

0.00010

0.00005

-2.0

-1.5

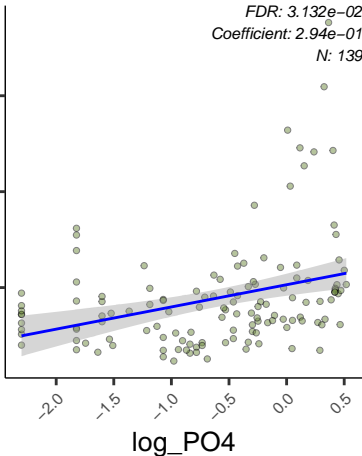
-1.0

-0.5

0.0

0.5

log\_PO4



COG2833

*FDR: 3.141e-02*  
*Coefficient: 4.75e-01*  
*N: 139*

1e-04

5e-05

0e+00

-2.0

-1.5

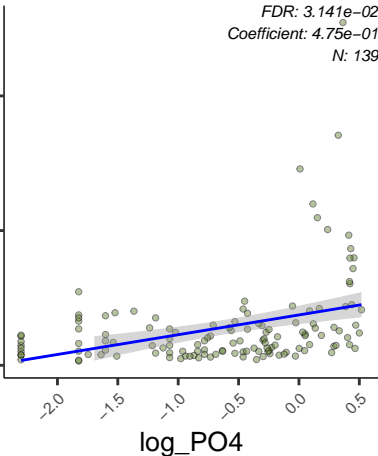
-1.0

-0.5

0.0

0.5

log\_PO4



COG2704

*FDR: 3.166e-02*  
*Coefficient: 2.13e+00*  
*N: 139*

1e-05

5e-06

0e+00

-2.0

-1.5

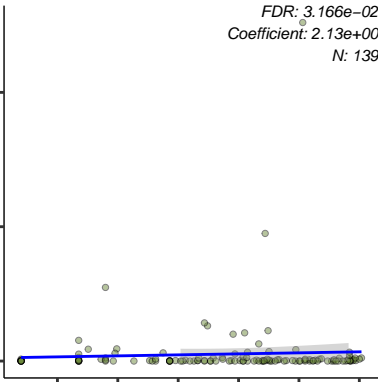
-1.0

-0.5

0.0

0.5

log\_PO4



COG3063

*FDR: 3.180e-02*  
*Coefficient: 4.99e-01*  
*N: 139*

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

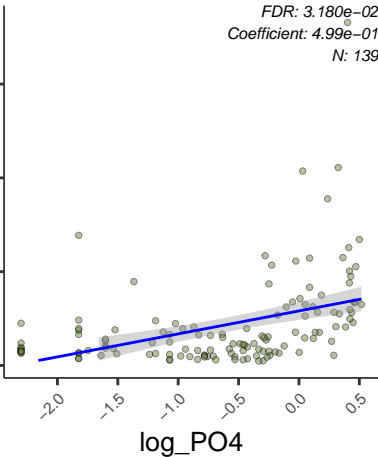
-1.0

-0.5

0.0

0.5

log\_PO4



COG4585

*FDR: 3.183e-02*

*Coefficient: 5.03e-01*

*N: 139*

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

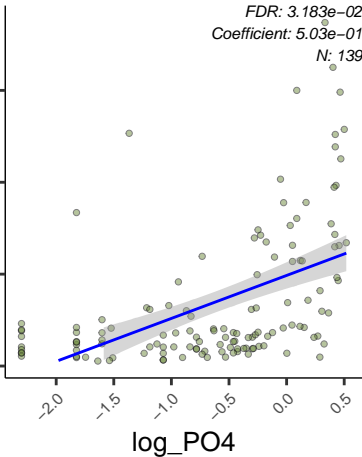
-1.0

-0.5

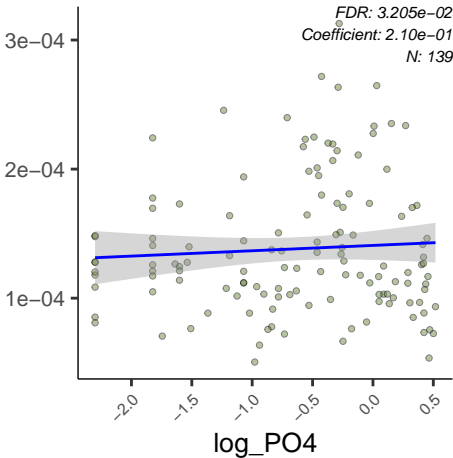
0.0

0.5

log\_PO4



COG3803



COG4744

*FDR: 3.208e-02*  
*Coefficient: 1.34e+00*  
*N: 139*

5e-06  
4e-06  
3e-06  
2e-06  
1e-06  
0e+00

-2.0

-1.5

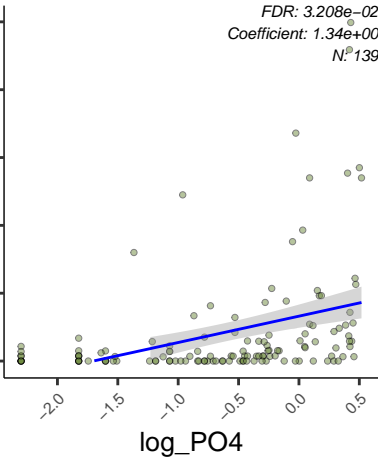
-1.0

-0.5

0.0

0.5

log\_PO4



COG1847

FDR: 3.214e-02  
Coefficient: -2.98e-01  
N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

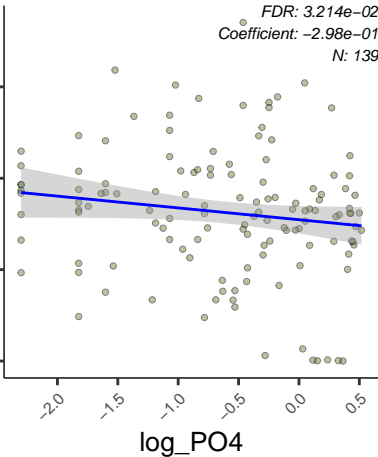
-1.0

-0.5

0.0

0.5

log\_PO4





COG3440

*FDR: 3.214e-02*  
*Coefficient: 1.30e-01*  
*N: 139*

6e-05

4e-05

2e-05

-2.0

-1.5

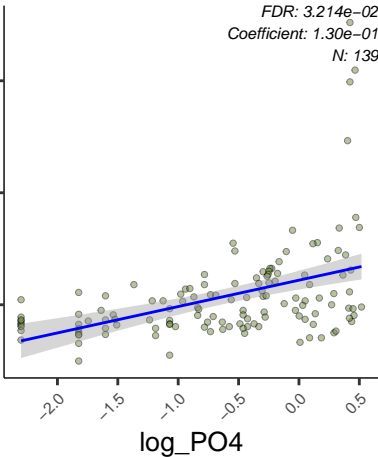
-1.0

-0.5

0.0

0.5

log\_PO4



COG4539

*FDR: 3.214e-02*  
*Coefficient: 4.53e-01*  
*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

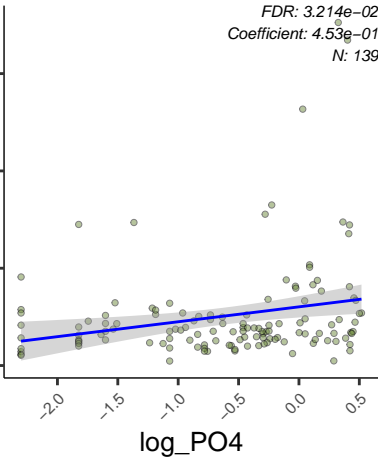
-1.0

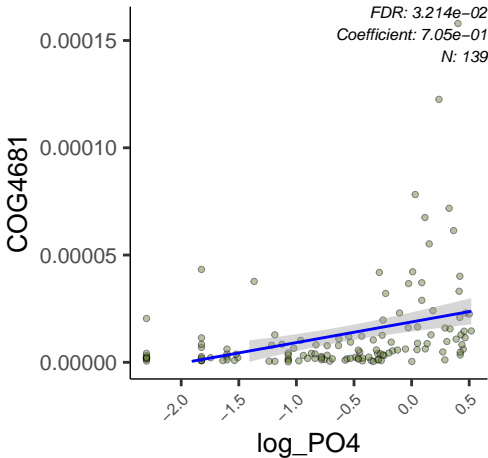
-0.5

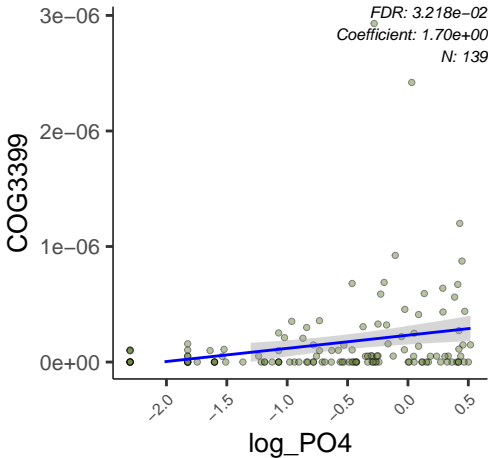
0.0

0.5

log\_PO4







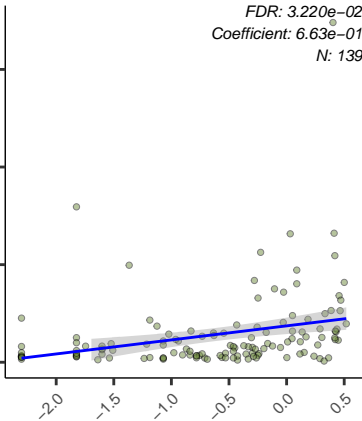
COG3137

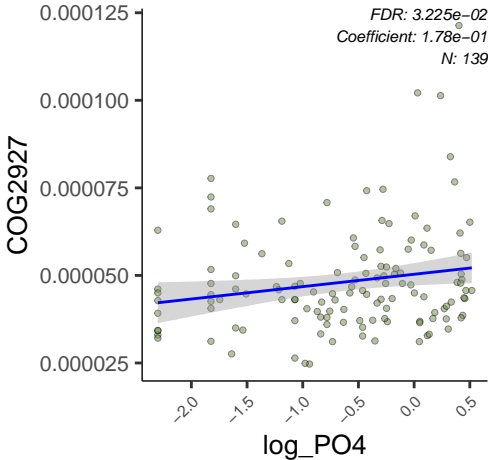
*FDR: 3.220e-02*  
*Coefficient: 6.63e-01*  
*N: 139*

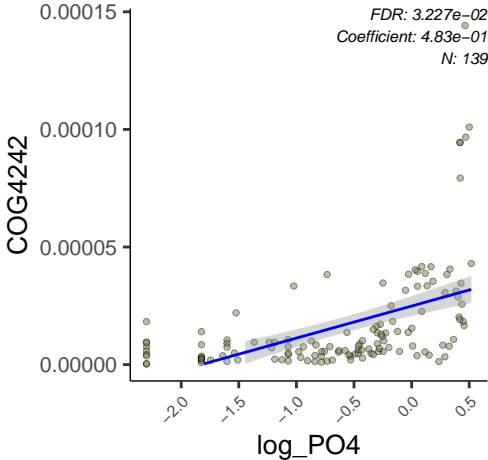
0.00015  
0.00010  
0.00005  
0.00000

-2.0 -1.5 -1.0 -0.5 0.0 0.5

log\_PO4







COG3068

*FDR: 3.238e-02*  
*Coefficient: 9.73e-01*  
*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

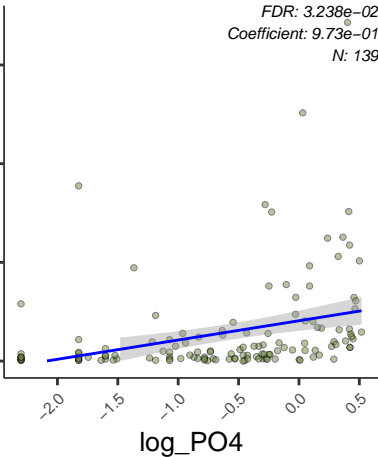
-1.0

-0.5

0.0

0.5

log\_PO4





COG3641

FDR:  $3.239 \times 10^{-2}$   
Coefficient:  $-1.92 \times 10^0$   
N: 139

$9 \times 10^{-6}$

$6 \times 10^{-6}$

$3 \times 10^{-6}$

$0 \times 10^0$

-2.0

-1.5

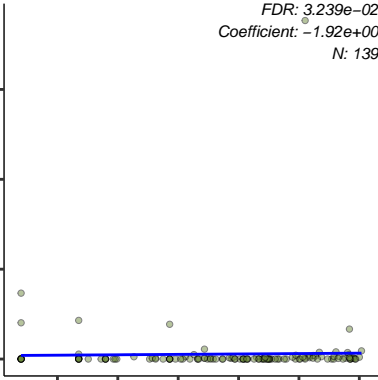
-1.0

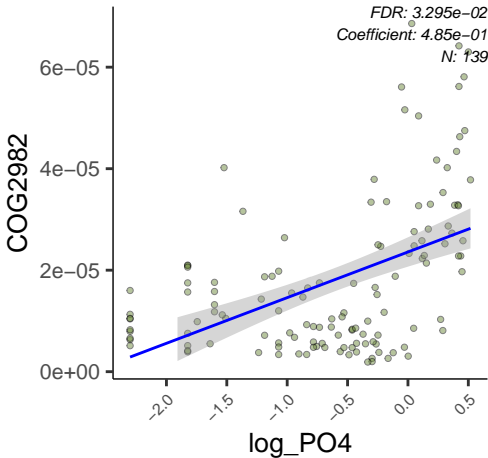
-0.5

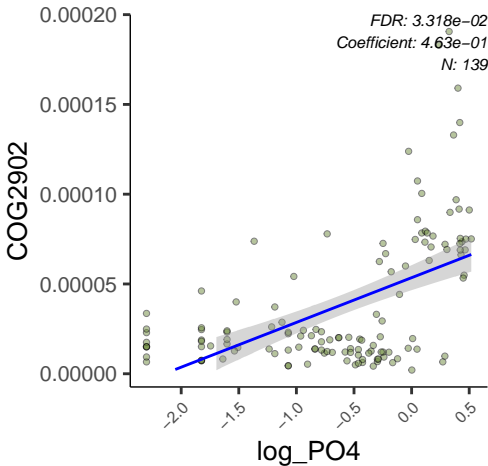
0.0

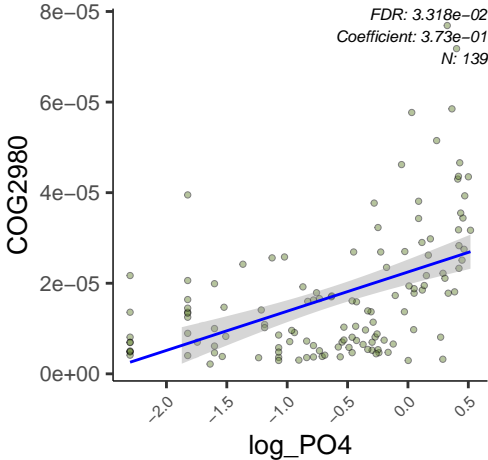
0.5

log\_PO4

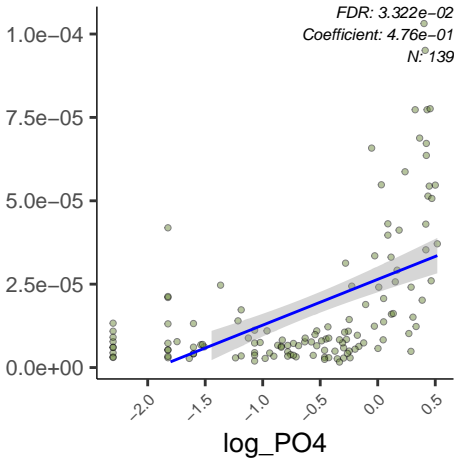




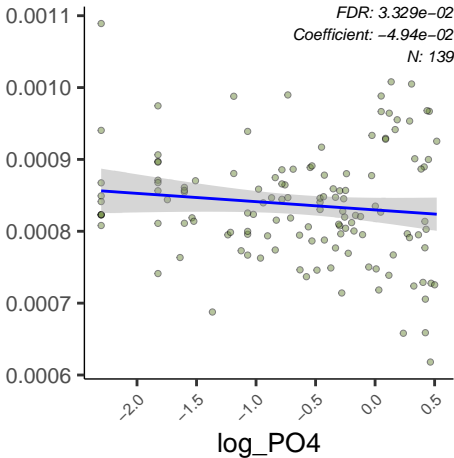


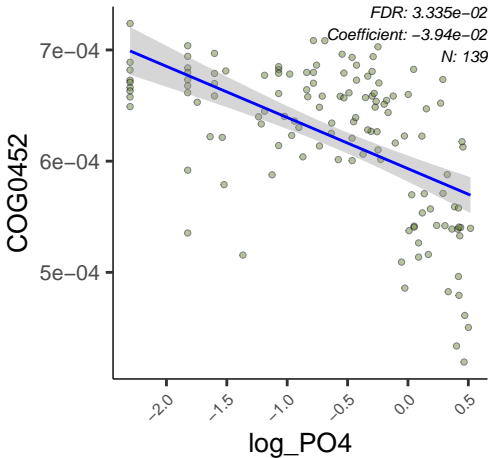


COG4659



COG0439





COG4200

*FDR: 3.352e-02*  
*Coefficient: 1.22e+00*  
*N: 139*

3e-06

2e-06

1e-06

0e+00

-2.0

-1.5

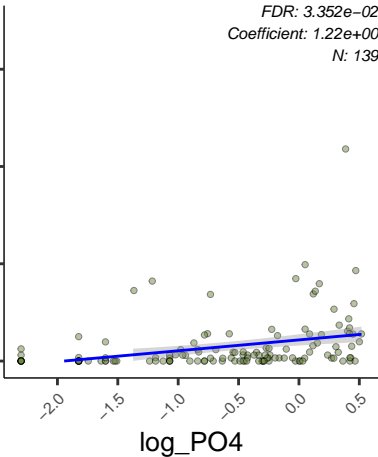
-1.0

-0.5

0.0

0.5

log\_PO4





COG2202

*FDR: 3.352e-02*  
*Coefficient: 5.02e-01*  
*N: 139*

0.0015

0.0010

0.0005

0.0000

-2.0

-1.5

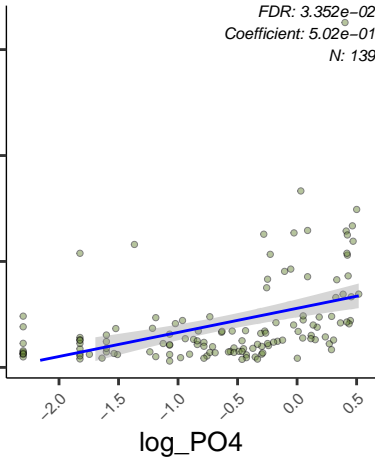
-1.0

-0.5

0.0

0.5

log\_PO4



COG2983

*FDR: 3.357e-02*  
*Coefficient: 2.20e-01*  
*N: 139*

0.00015

0.00010

0.00005

-2.0

-1.5

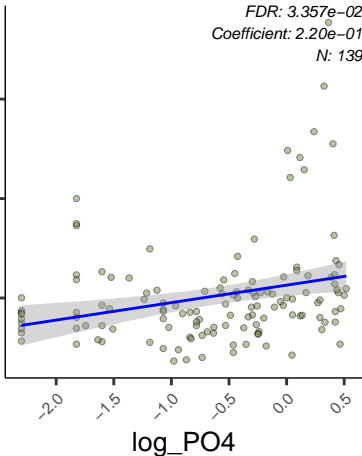
-1.0

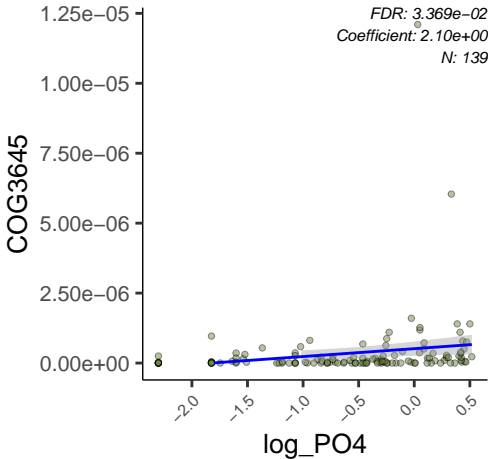
-0.5

0.0

0.5

log\_PO4





COG0284

6e-04

5e-04

4e-04

-2.0

-1.5

-1.0

-0.5

0.0

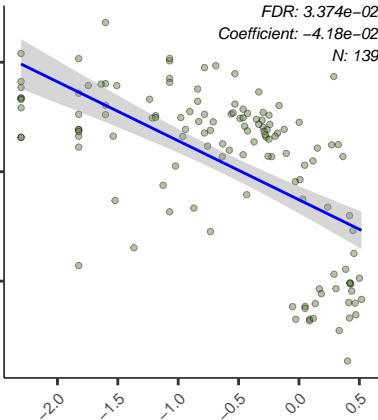
0.5

log\_PO4

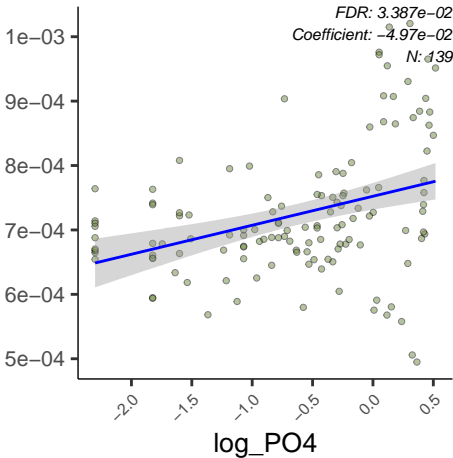
*FDR: 3.374e-02*

*Coefficient: -4.18e-02*

*N: 139*

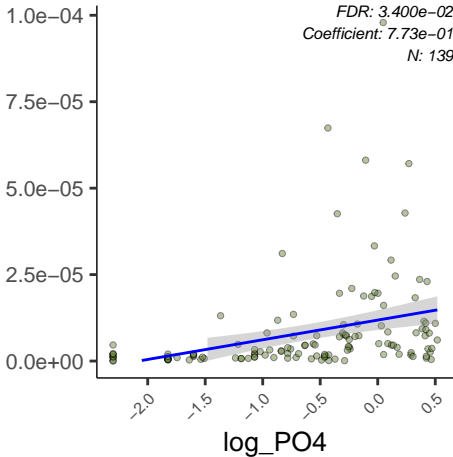


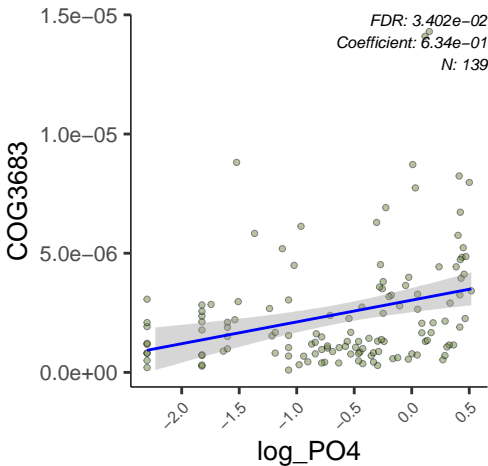
COG0750



COG3489

*FDR: 3.400e-02*  
*Coefficient: 7.73e-01*  
*N: 139*





COG5339

*FDR: 3.402e-02*  
*Coefficient: 1.20e+00*  
*N: 139*

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

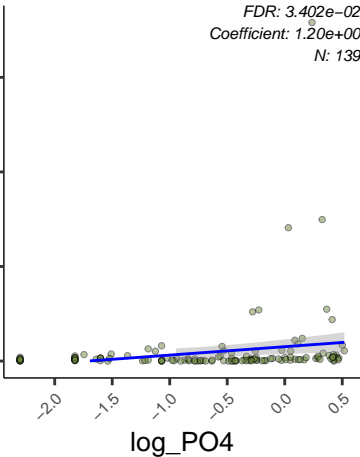
-1.0

-0.5

0.0

0.5

log\_PO4





COG1801

8e-05  
6e-05  
4e-05  
2e-05  
0e+00

-2.0

-1.5

-1.0

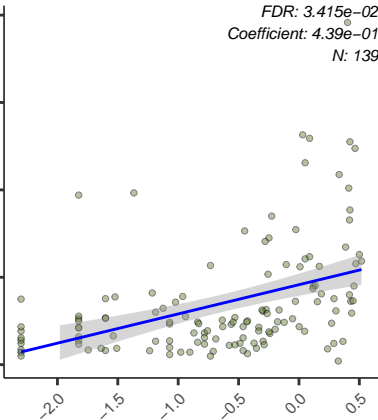
-0.5

0.0

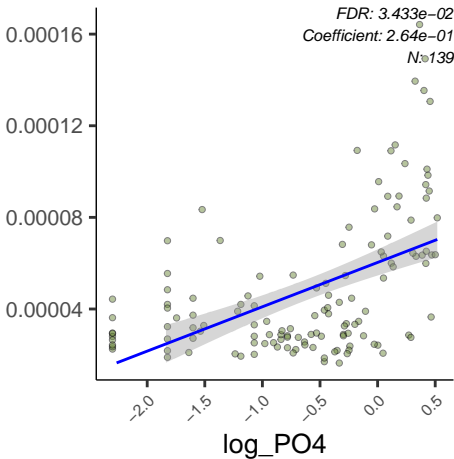
0.5

log\_PO4

FDR: 3.415e-02  
Coefficient: 4.39e-01  
N: 139



COG4148



COG3603

*FDR: 3.436e-02*  
*Coefficient: 8.51e-01*  
*N: 139*

8e-05

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

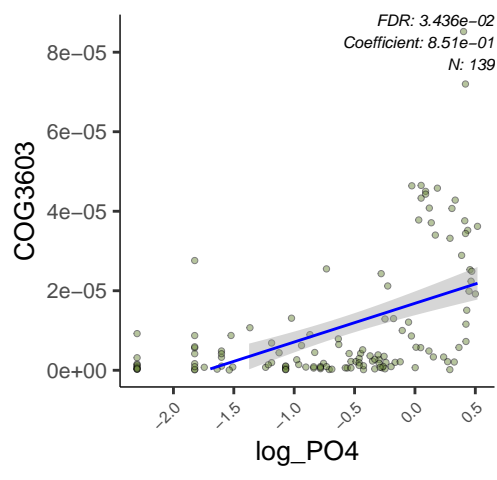
-1.0

-0.5

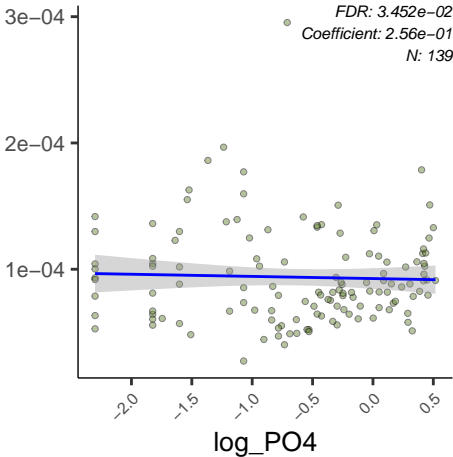
0.0

0.5

log\_PO4



COG2374



COG3553

*FDR: 3.452e-02*  
*Coefficient: 7.39e-01*  
*N: 139*

1e-05

5e-06

0e+00

-2.0

-1.5

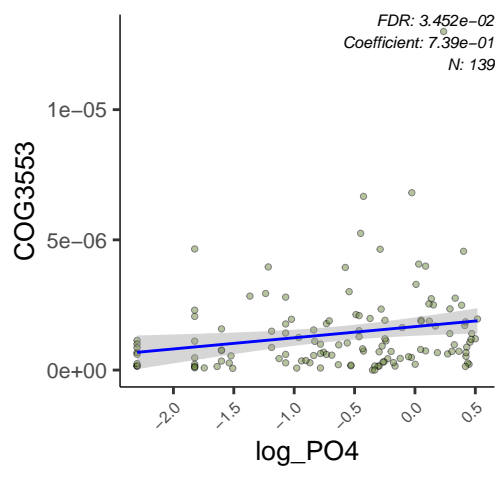
-1.0

-0.5

0.0

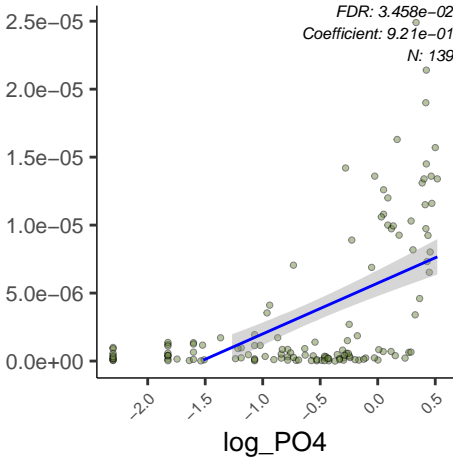
0.5

log\_PO4



COG4261

*FDR: 3.458e-02*  
*Coefficient: 9.21e-01*  
*N: 139*



COG3941

*FDR: 3.478e-02*  
*Coefficient: 8.70e-01*  
*N: 139*

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

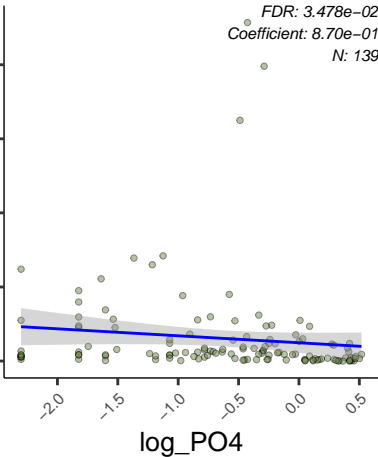
-1.0

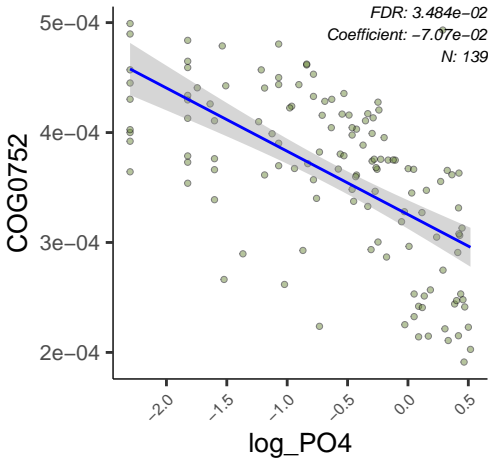
-0.5

0.0

0.5

log\_PO4







COG1315

*FDR: 3.484e-02*  
*Coefficient: 6.58e-01*  
*N: 139*

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

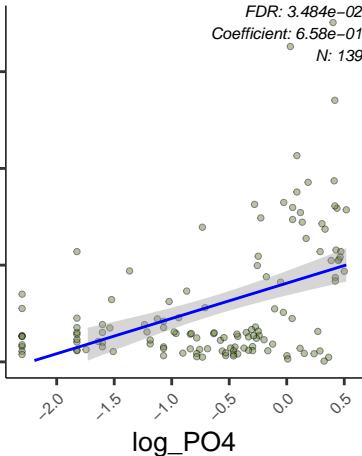
-1.0

-0.5

0.0

0.5

log\_PO4



COG2265

*FDR: 3.484e-02*  
*Coefficient: 1.61e-01*  
*N: 139*

5e-04

4e-04

3e-04

2e-04

1e-04

-2.0

-1.5

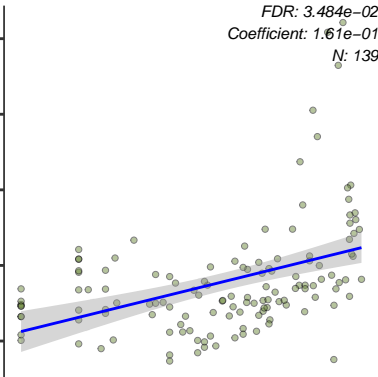
-1.0

-0.5

0.0

0.5

log\_PO4



COG4219

*FDR: 3.488e-02*  
*Coefficient: 8.55e-01*  
*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

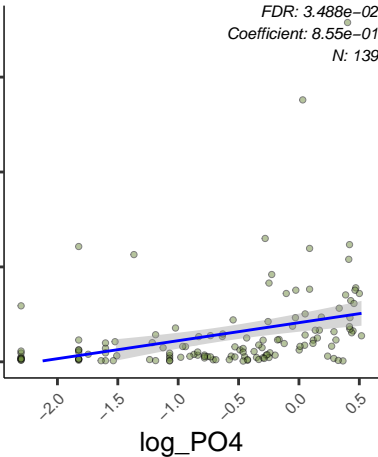
-1.0

-0.5

0.0

0.5

log\_PO4



COG3821

*FDR: 3.532e-02*  
*Coefficient: 5.49e-01*  
*N: 139*

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

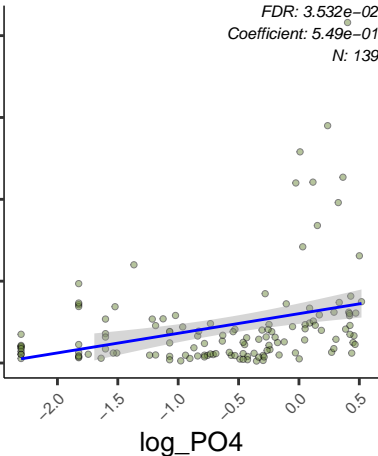
-1.0

-0.5

0.0

0.5

log\_PO4



COG3865

*FDR: 3.550e-02*

*Coefficient: 7.34e-01*

*N: 139*

2e-05

1e-05

0e+00

-2.0

-1.5

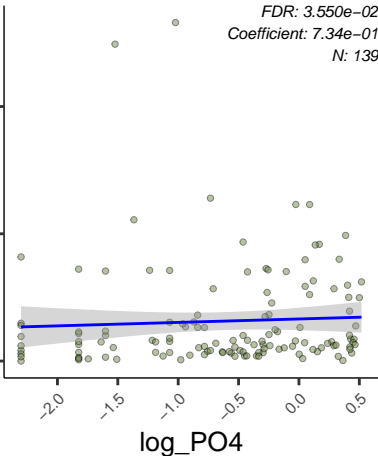
-1.0

-0.5

0.0

0.5

log\_PO4



COG0717

*FDR: 3.558e-02*

*Coefficient: -5.82e-02*

*N: 139*

6e-04

5e-04

4e-04

3e-04

-2.0

-1.5

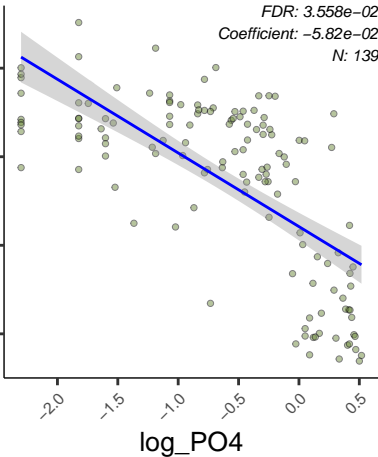
-1.0

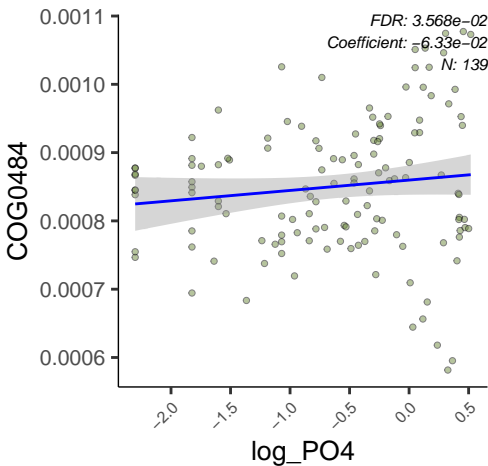
-0.5

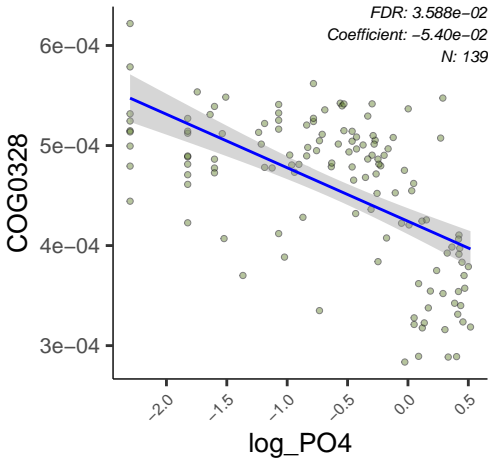
0.0

0.5

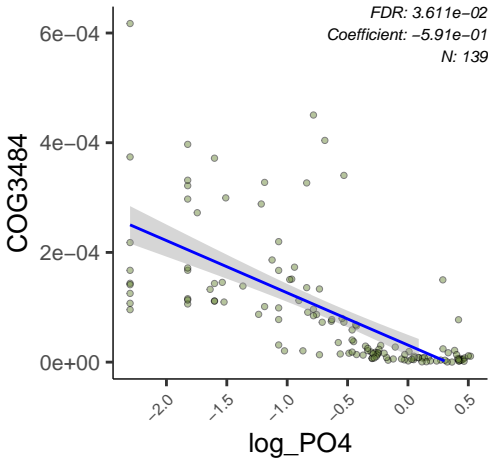
log\_PO4











COG0413

*FDR: 3.617e-02*

*Coefficient: -6.74e-02*

*N: 139*

8e-04

7e-04

6e-04

5e-04

4e-04

3e-04

-2.0

-1.5

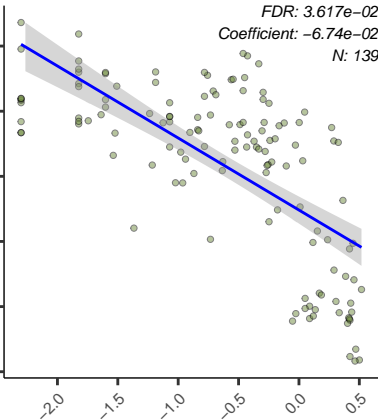
-1.0

-0.5

0.0

0.5

log\_PO4



COG3536

*FDR: 3.628e-02*  
*Coefficient: 1.85e-01*  
*N: 139*

0.000125

0.000100

0.000075

0.000050

0.000025

-2.0

-1.5

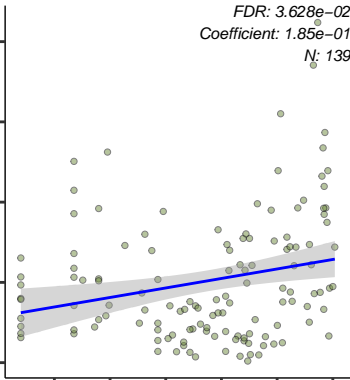
-1.0

-0.5

0.0

0.5

log\_PO4



COG3634

*FDR: 3.643e-02*  
*Coefficient: 3.38e-01*  
*N: 139*

1e-04

5e-05

0e+00

-2.0

-1.5

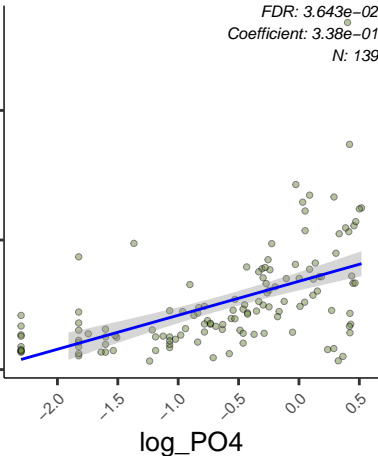
-1.0

-0.5

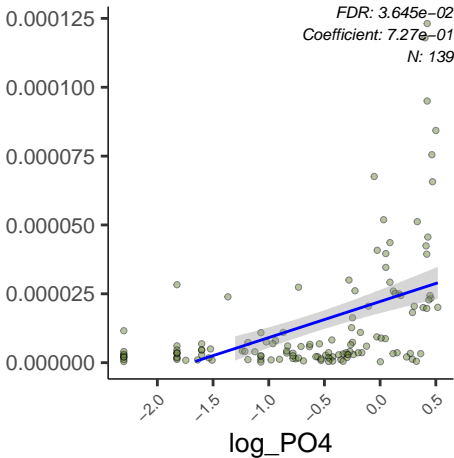
0.0

0.5

log\_PO4



COG2836



COG2770

*FDR: 3.657e-02*  
*Coefficient: 5.71e-01*  
*N: 139*

4e-05  
2e-05  
0e+00

-2.0

-1.5

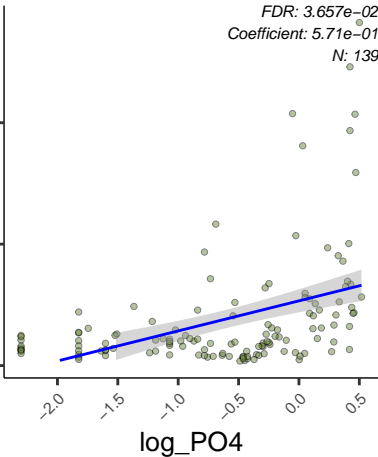
-1.0

-0.5

0.0

0.5

log\_PO4



COG2515

FDR: 3.663e-02  
Coefficient: 2.08e-01  
N: 139

2e-04

1e-04

-2.0

-1.5

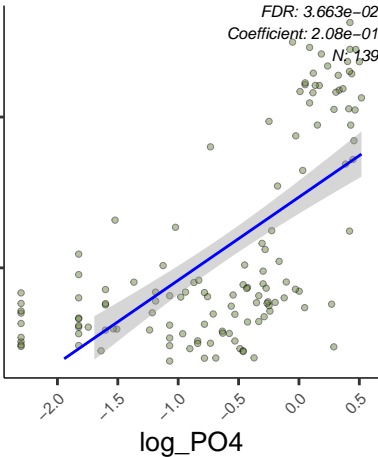
-1.0

-0.5

0.0

0.5

log\_PO4



COG2852

*FDR: 3.698e-02*  
*Coefficient: 8.91e-01*  
*N: 139*

1e-04

5e-05

0e+00

-2.0

-1.5

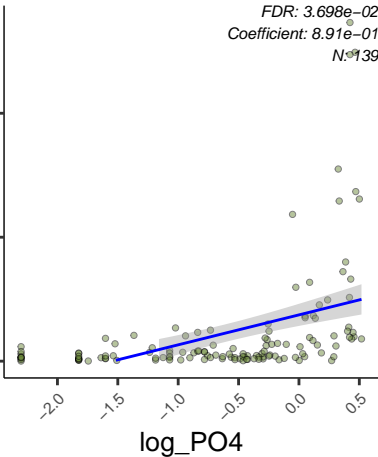
-1.0

-0.5

0.0

0.5

log\_PO4





COG3666

*FDR: 3.705e-02*  
*Coefficient: 6.38e-01*  
*N: 139*

4e-04

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

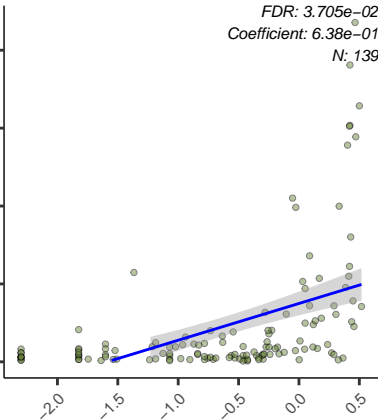
-1.0

-0.5

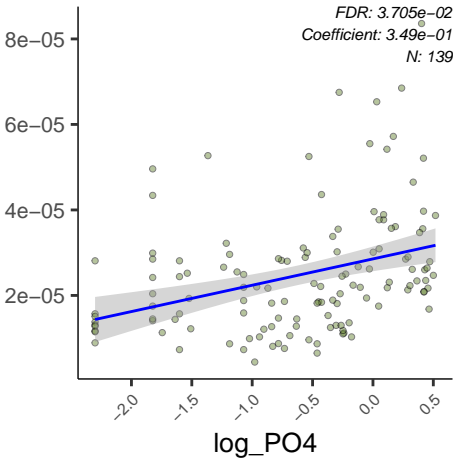
0.0

0.5

log\_PO4



COG2390



COG3967

*FDR: 3.719e-02*  
*Coefficient: 6.08e-01*  
*N: 139*

5e-05  
4e-05  
3e-05  
2e-05  
1e-05  
0e+00

-2.0

-1.5

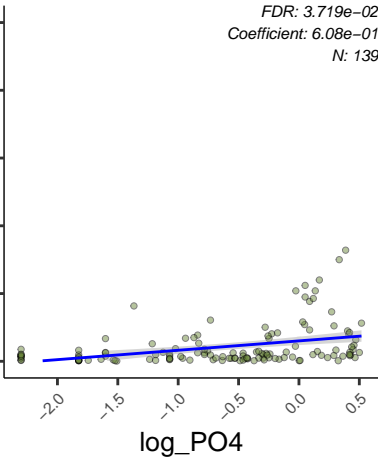
-1.0

-0.5

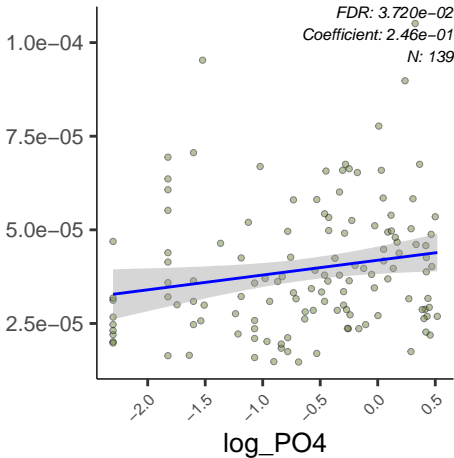
0.0

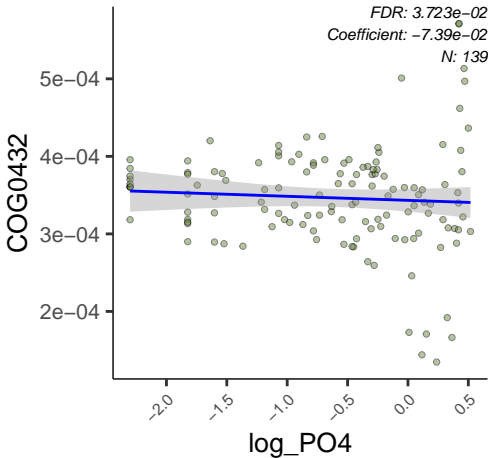
0.5

log\_PO4

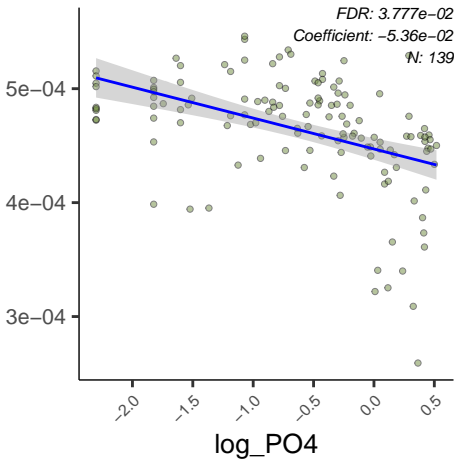


COG4336





COG1386



COG3008

*FDR: 3.791e-02*  
*Coefficient: 6.82e-01*  
*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

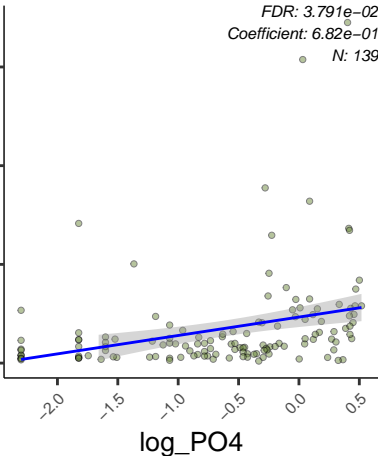
-1.0

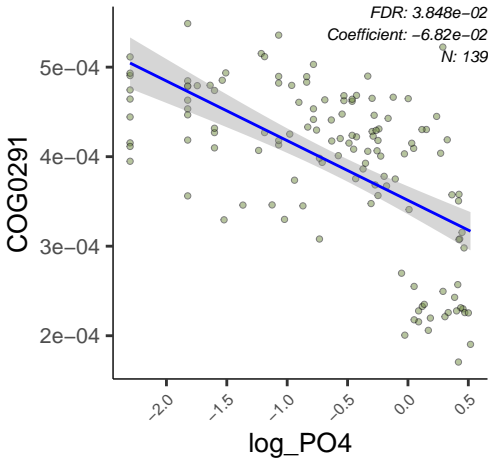
-0.5

0.0

0.5

log\_PO4







COG4262

*FDR: 3.887e-02*  
*Coefficient: 6.09e-01*  
*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

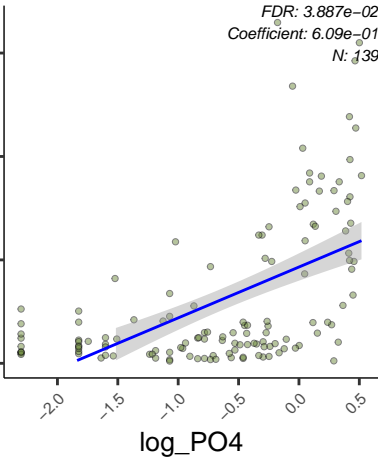
-1.0

-0.5

0.0

0.5

log\_PO4



COG4932

FDR:  $3.887\text{e-}02$   
Coefficient:  $-1.27\text{e}+00$   
N: 139

$2\text{e-}06$

$1\text{e-}06$

$0\text{e}+00$

-2.0

-1.5

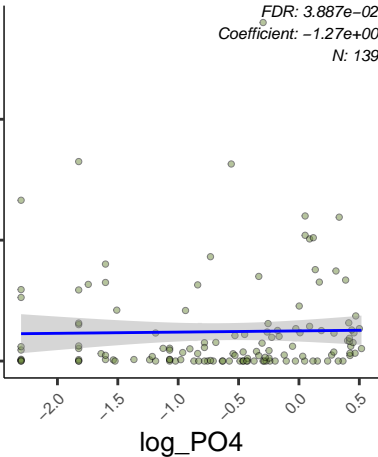
-1.0

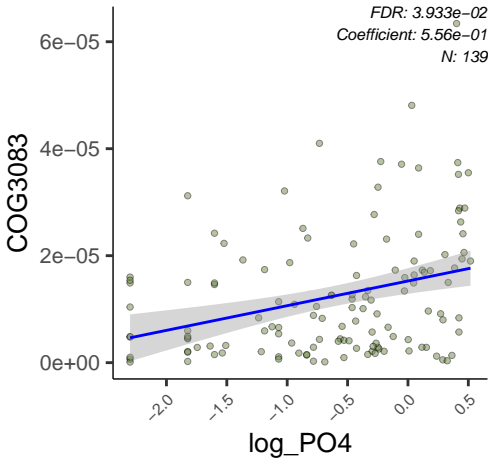
-0.5

0.0

0.5

log\_PO4





COG1167

*FDR: 3.951e-02*  
*Coefficient: 1.63e-01*  
*N: 139*

3e-04

2e-04

1e-04

-2.0

-1.5

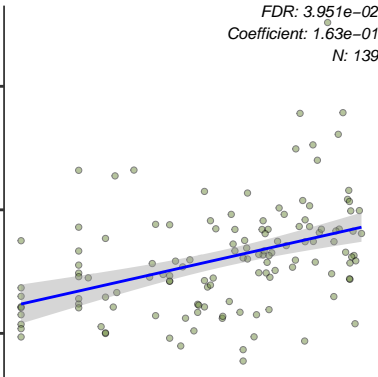
-1.0

-0.5

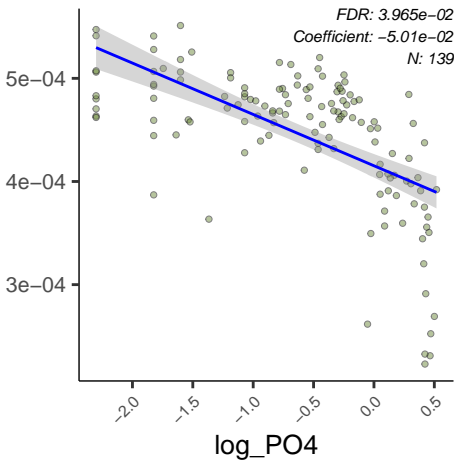
0.0

0.5

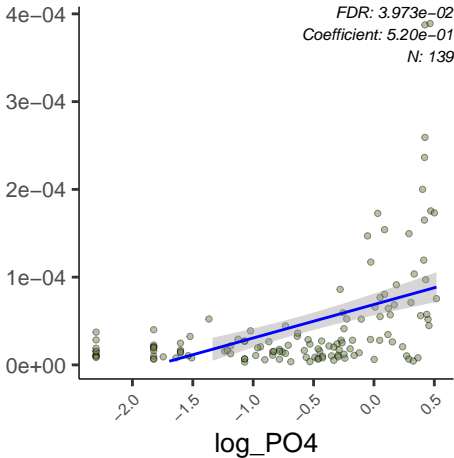
log\_PO4



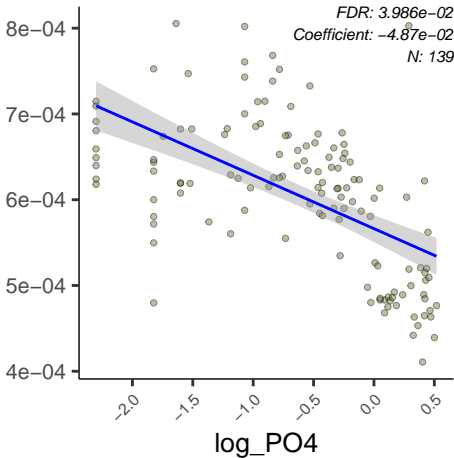
COG2154



COG1943



COG0681



COG1569

*FDR: 4.029e-02*  
*Coefficient: 5.94e-01*  
*N: 139*

9e-06

6e-06

3e-06

0e+00

-2.0

-1.5

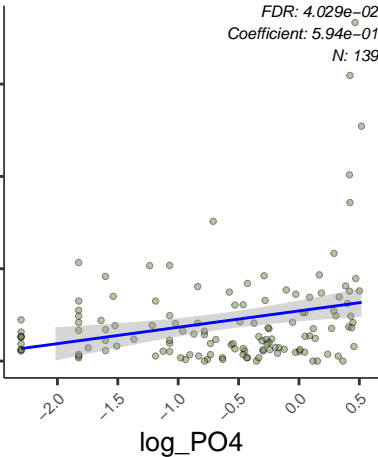
-1.0

-0.5

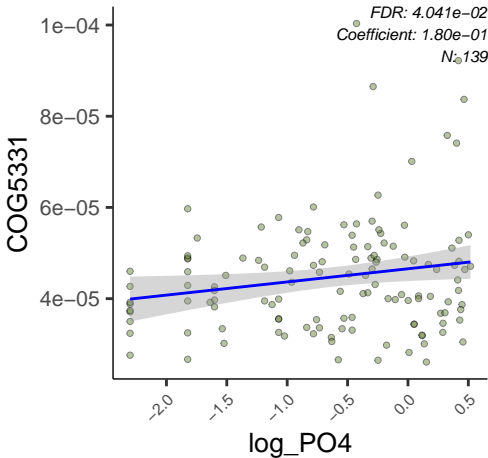
0.0

0.5

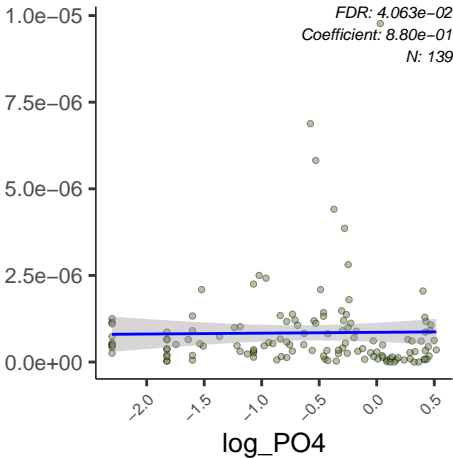
log\_PO4







COG2425



COG2967

*FDR: 4.063e-02*

*Coefficient: 1.32e-01*

*N: 139*

0.00020

0.00015

0.00010

0.00005

-2.0

-1.5

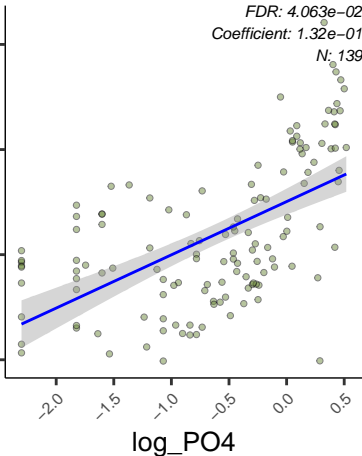
-1.0

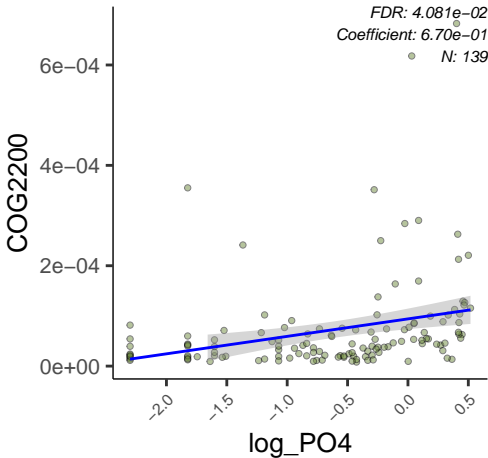
-0.5

0.0

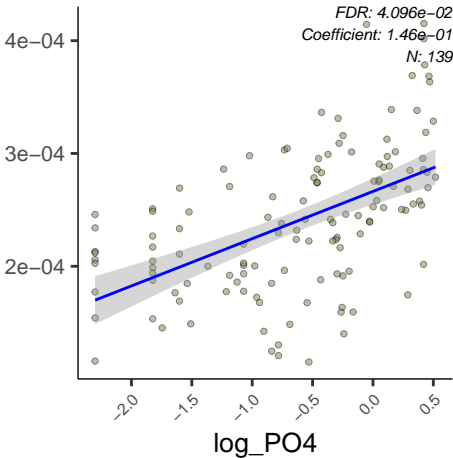
0.5

log\_PO4





COG0314



COG4987

FDR:  $4.124 \times 10^{-2}$   
Coefficient:  $7.47 \times 10^{-1}$   
N: 139

$6 \times 10^{-5}$   
 $4 \times 10^{-5}$   
 $2 \times 10^{-5}$   
 $0 \times 10^0$

-2.0

-1.5

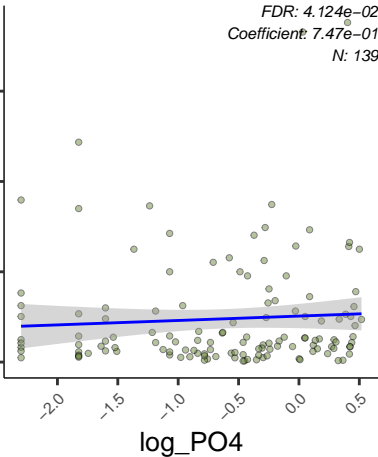
-1.0

-0.5

0.0

0.5

log\_PO4



COG1757

*FDR: 4.147e-02*  
*Coefficient: 2.05e-01*  
*N: 139*

4e-04

3e-04

2e-04

1e-04

-2.0

-1.5

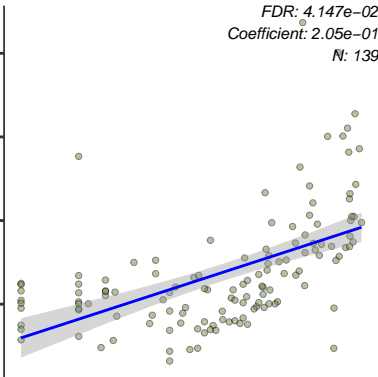
-1.0

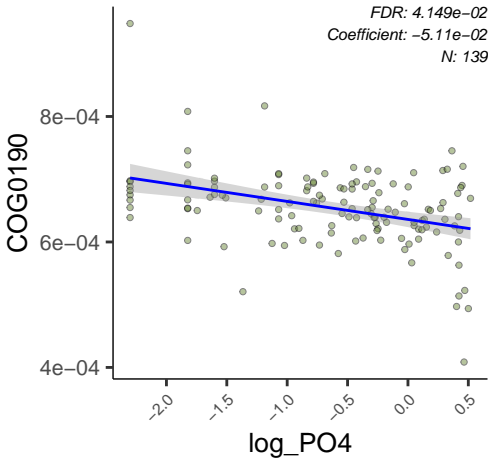
-0.5

0.0

0.5

log\_PO4







COG1820

0.00015

0.00010

0.00005

-2.0

-1.5

-1.0

-0.5

0.0

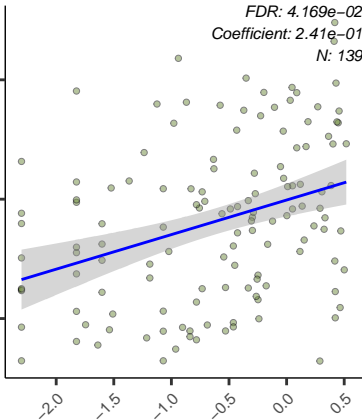
0.5

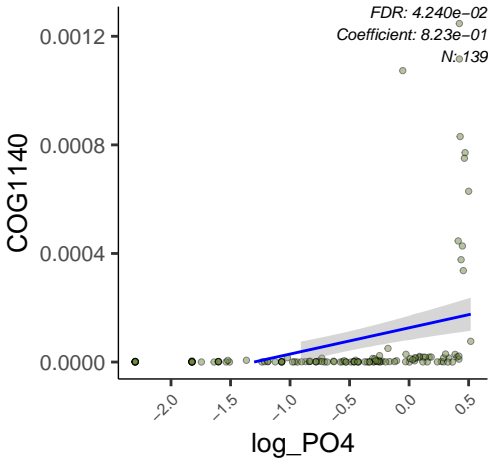
log\_PO4

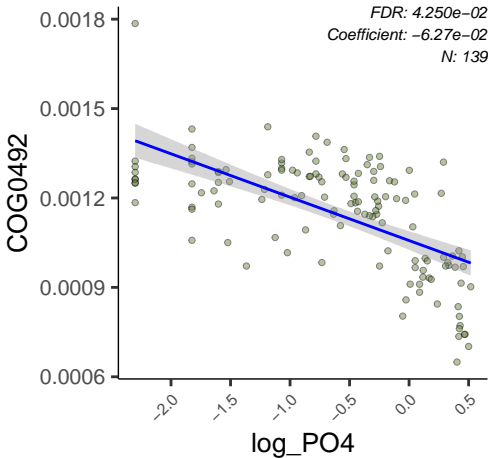
*FDR: 4.169e-02*

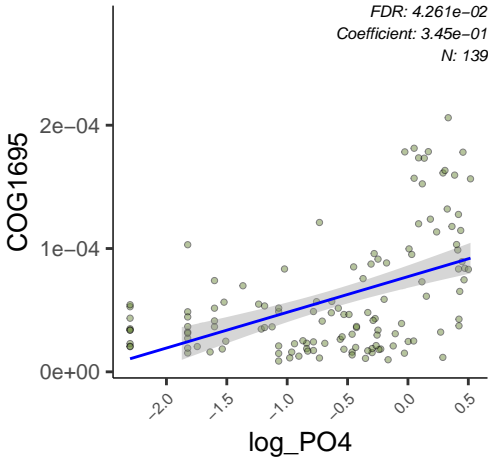
*Coefficient: 2.41e-01*

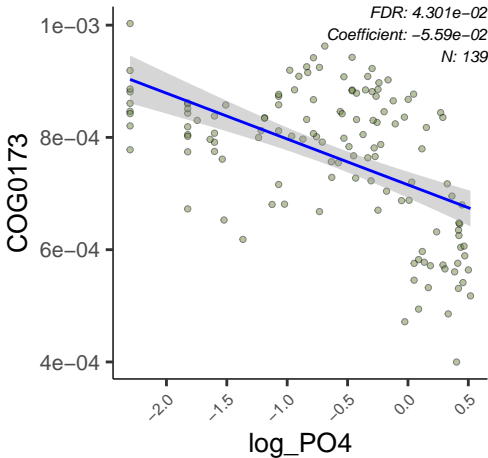
*N: 139*



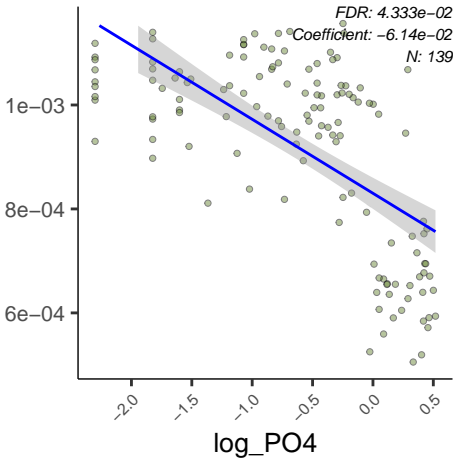








COG3288



COG5404

*FDR: 4.387e-02*  
*Coefficient: 8.83e-01*  
*N: 139*

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

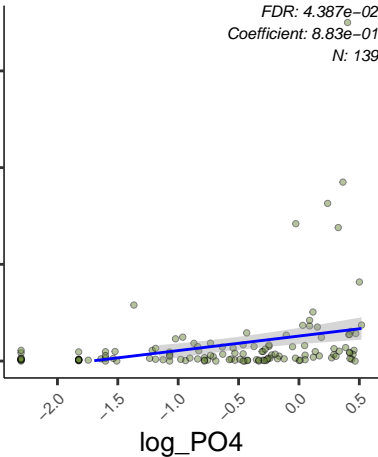
-1.0

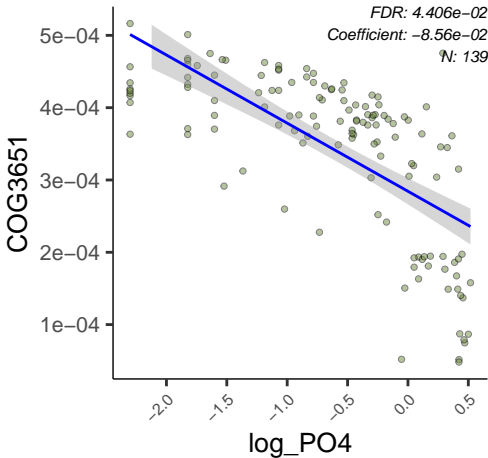
-0.5

0.0

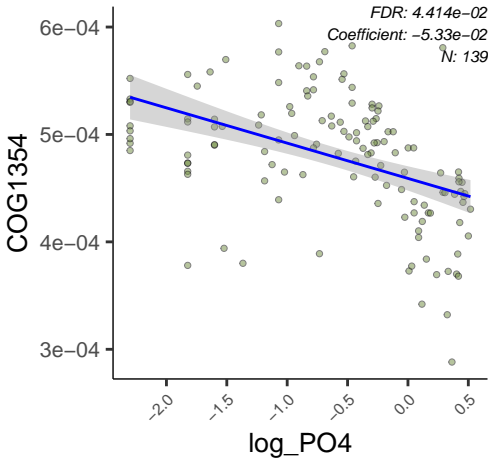
0.5

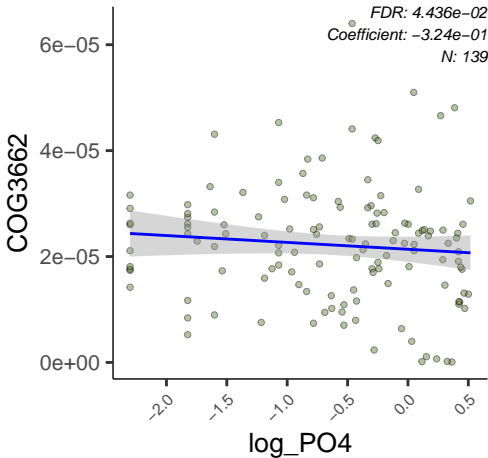
log\_PO4











COG3452

FDR:  $4.501e-02$   
Coefficient:  $8.69e-01$   
N: 139

$4e-05$

$3e-05$

$2e-05$

$1e-05$

$0e+00$

-2.0

-1.5

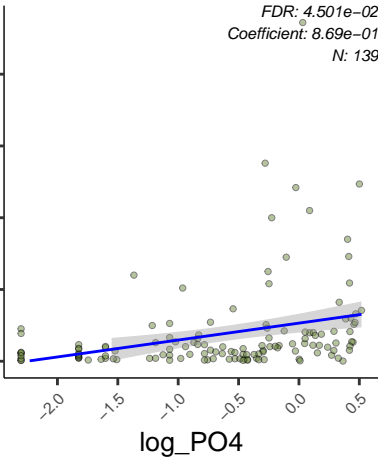
-1.0

-0.5

0.0

0.5

log\_PO4



COG4389

*FDR: 4.506e-02*  
*Coefficient: -1.11e+00*  
*N: 139*

9e-06

6e-06

3e-06

0e+00

-2.0

-1.5

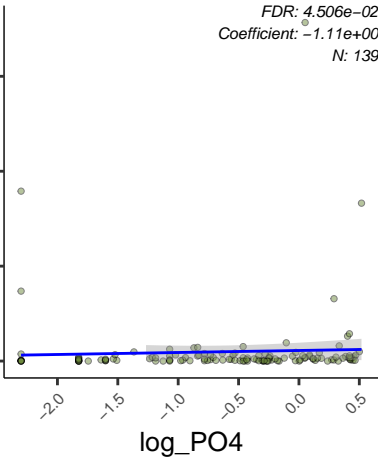
-1.0

-0.5

0.0

0.5

log\_PO4



COG3167

*FDR: 4.587e-02*  
*Coefficient: 5.59e-01*  
*N: 139*

1e-04

5e-05

0e+00

-2.0

-1.5

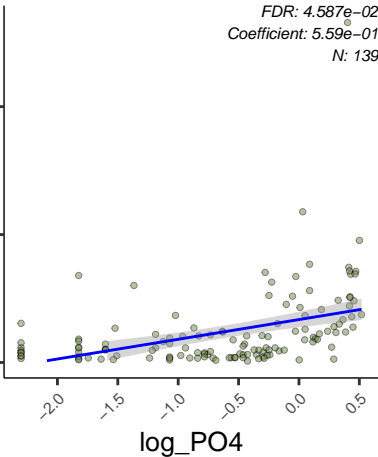
-1.0

-0.5

0.0

0.5

log\_PO4



COG3487

1e-04

5e-05

0e+00

*FDR: 4.618e-02*

*Coefficient: 3.31e-01*

*N: 139*

-2.0

-1.5

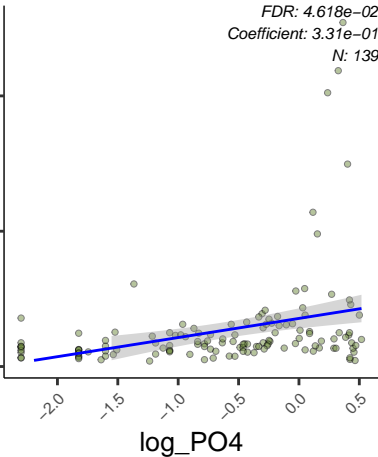
-1.0

-0.5

0.0

0.5

log\_PO4



COG4373

FDR:  $4.627e-02$   
Coefficient:  $7.46e-01$   
N: 139

$4e-05$   
 $3e-05$   
 $2e-05$   
 $1e-05$   
 $0e+00$

-2.0

-1.5

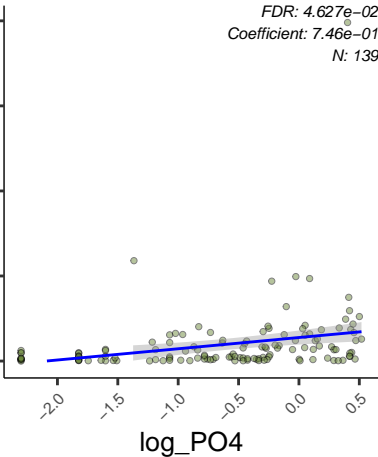
-1.0

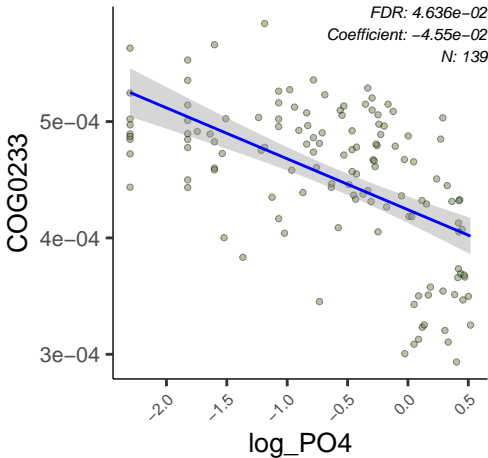
-0.5

0.0

0.5

log\_PO4







COG1787

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

-0.5

0.0

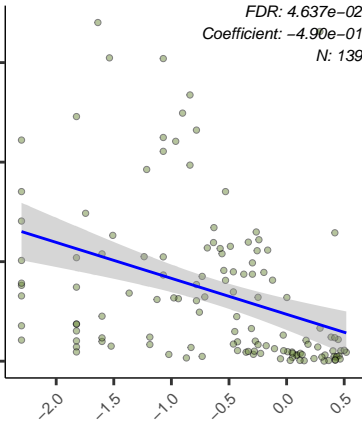
0.5

log\_PO4

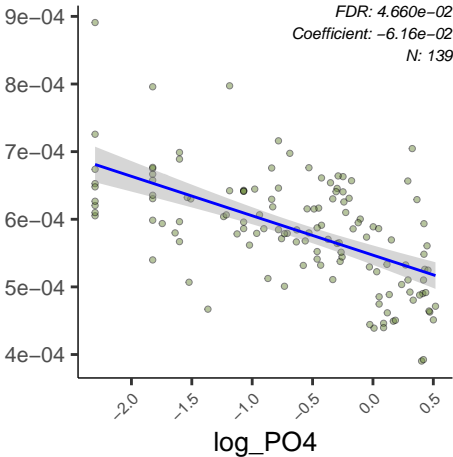
*FDR: 4.637e-02*

*Coefficient: -4.90e-01*

*N: 139*



COG0107



COG0315

*FDR: 4.662e-02*  
*Coefficient: 1.44e-01*  
*N: 139*

4e-04

3e-04

2e-04

1e-04

-2.0

-1.5

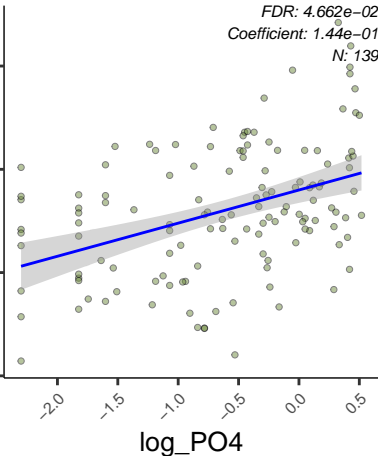
-1.0

-0.5

0.0

0.5

log\_PO4



COG2207

*FDR: 4.675e-02*  
*Coefficient: 3.29e-01*  
*N: 139*

0.0015

0.0010

0.0005

0.0000

-2.0

-1.5

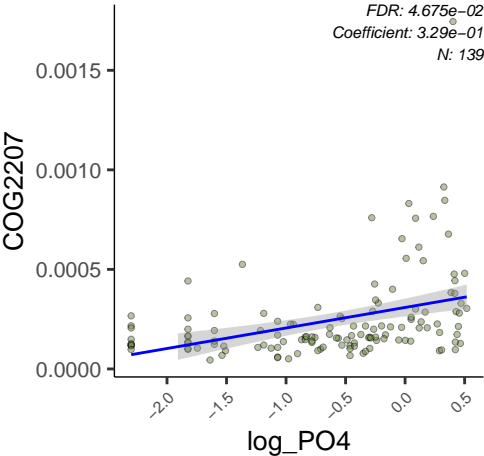
-1.0

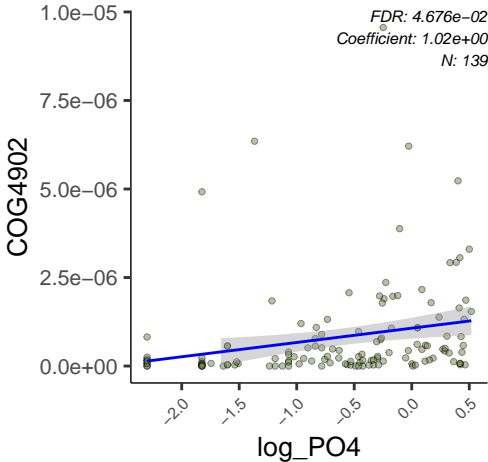
-0.5

0.0

0.5

log\_PO4





COG3531

*FDR: 4.680e-02*  
*Coefficient: 5.33e-01*  
*N: 139*

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

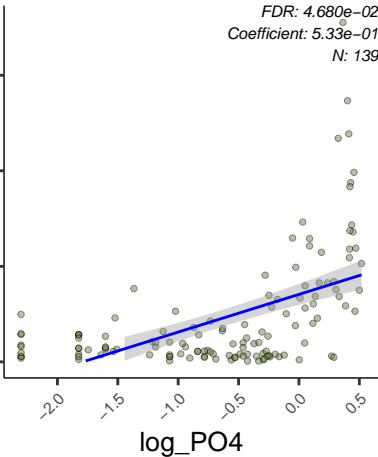
-1.0

-0.5

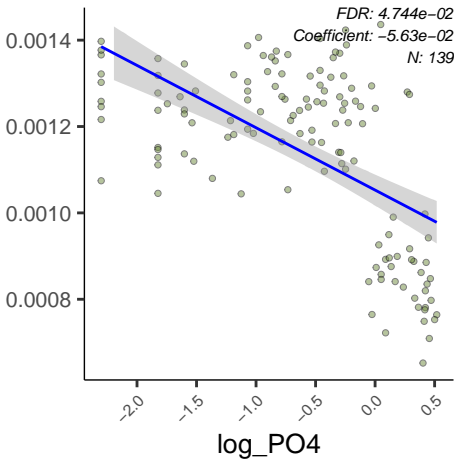
0.0

0.5

log\_PO4



COG0719



COG4104

*FDR: 4.759e-02*

*Coefficient: 5.77e-01*

*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

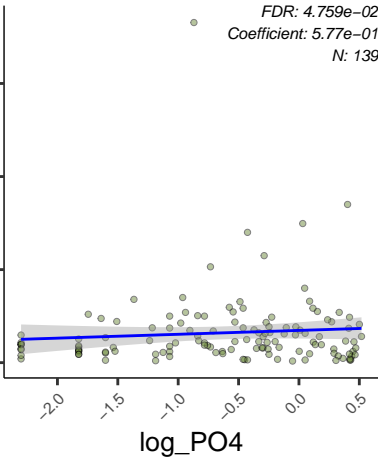
-1.0

-0.5

0.0

0.5

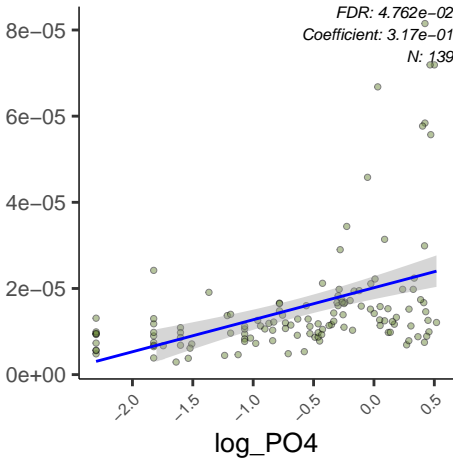
log\_PO4

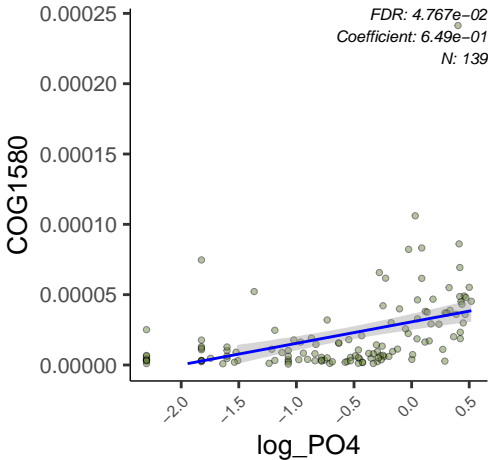




COG4928

*FDR: 4.762e-02*  
*Coefficient: 3.17e-01*  
*N: 139*





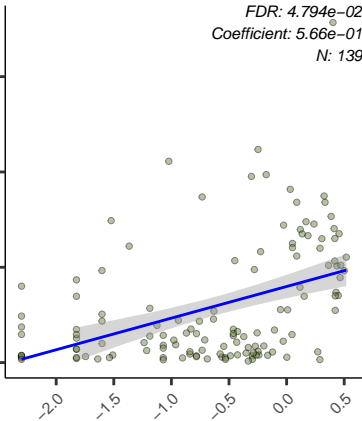
COG2968

*FDR: 4.794e-02*  
*Coefficient: 5.66e-01*  
*N: 139*

0.00015  
0.00010  
0.00005  
0.00000

-2.0 -1.5 -1.0 -0.5 0.0 0.5

log\_PO4



COG0643

FDR:  $4.810e-02$   
Coefficient:  $3.47e-01$   
N: 139

$3e-04$

$2e-04$

$1e-04$

$0e+00$

-2.0

-1.5

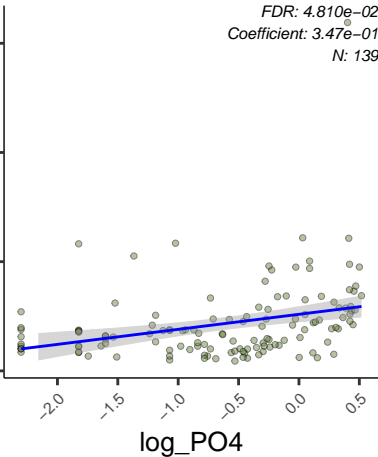
-1.0

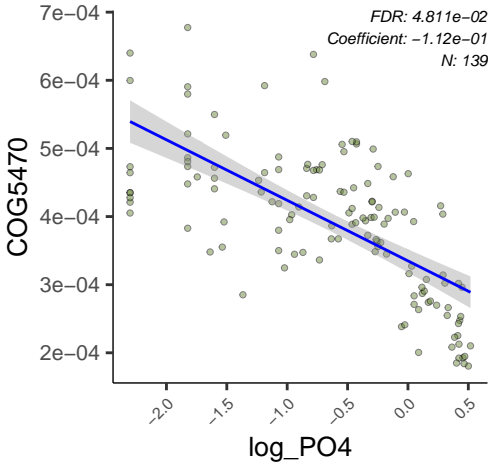
-0.5

0.0

0.5

log\_PO4





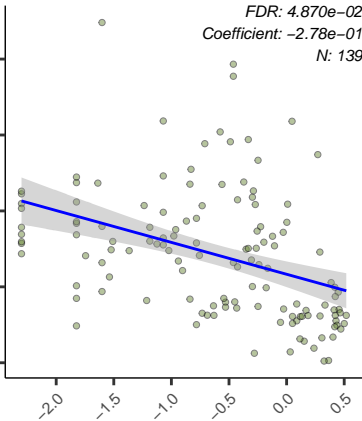
COG3409

0.00020  
0.00015  
0.00010  
0.00005  
0.00000

-2.0 -1.5 -1.0 -0.5 0.0 0.5

log\_PO4

*FDR: 4.870e-02*  
*Coefficient: -2.78e-01*  
*N: 139*



COG3768

*FDR: 4.880e-02*  
*Coefficient: 9.17e-01*  
*N: 139*

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

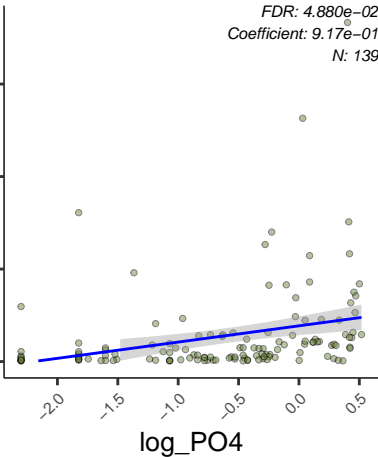
-1.0

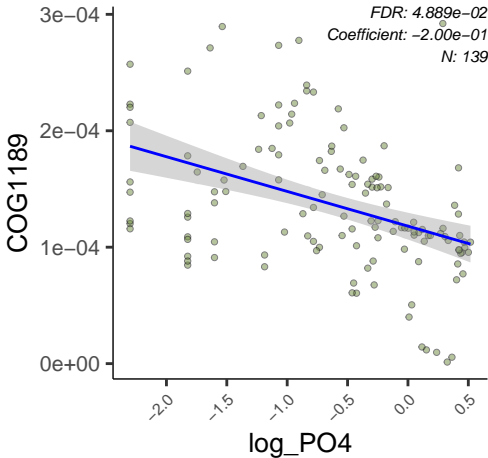
-0.5

0.0

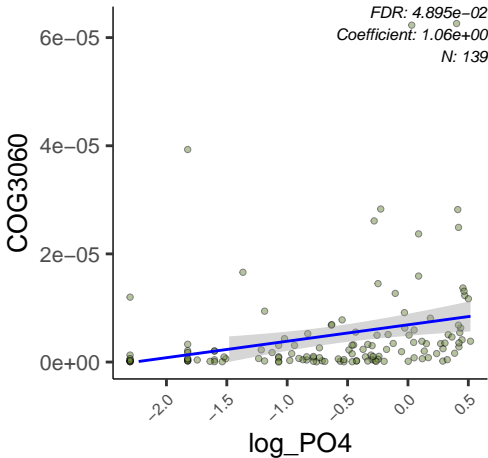
0.5

log\_PO4

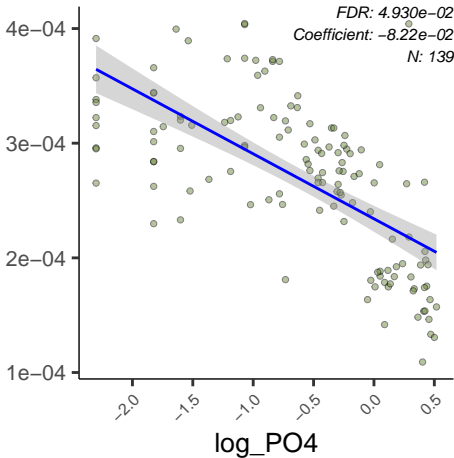








COG1828



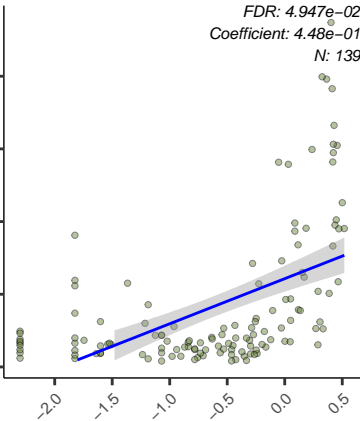
COG4657

*FDR: 4.947e-02*  
*Coefficient: 4.48e-01*  
*N: 139*

1.0e-04  
7.5e-05  
5.0e-05  
2.5e-05  
0.0e+00

-2.0  
-1.5  
-1.0  
-0.5  
0.0  
0.5

log\_PO4



COG4977

*FDR: 4.978e-02*  
*Coefficient: 2.60e-01*  
*N: 139*

4e-04  
2e-04  
0e+00

-2.0

-1.5

-1.0

-0.5

0.0

0.5

log\_PO4

