

COG1117

FDR: 8.679e-07

Coefficient: -5.78e-01

N: 139

6e-04

4e-04

2e-04

0e+00

-2.0

-1.5

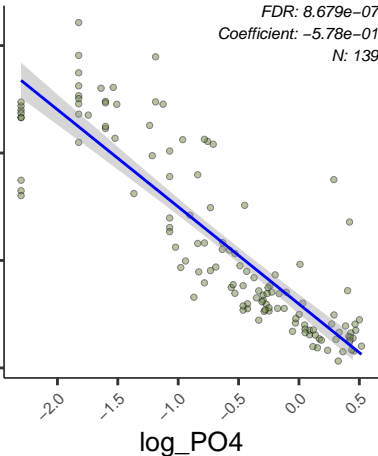
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-0.5

0.0

0.5

log_PO4



COG0226

0.00075

0.00050

0.00025

0.00000

-2.0

-1.5

-1.0

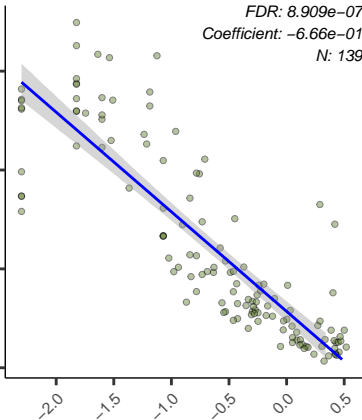
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log_PO4

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

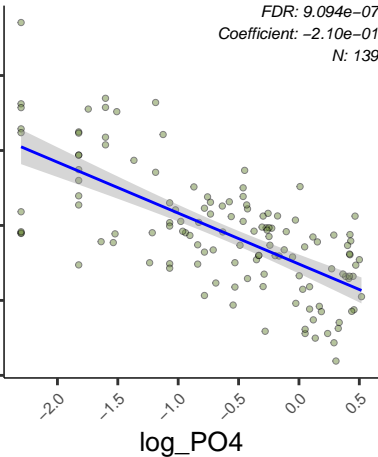
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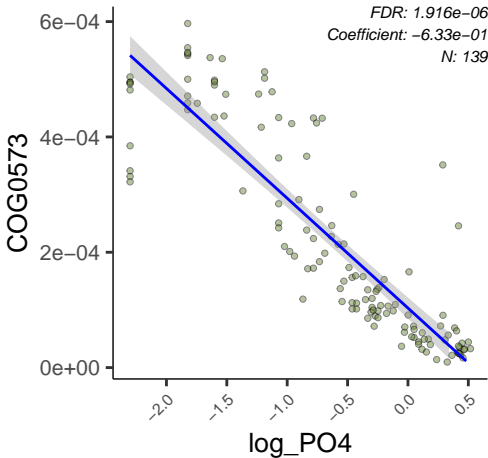
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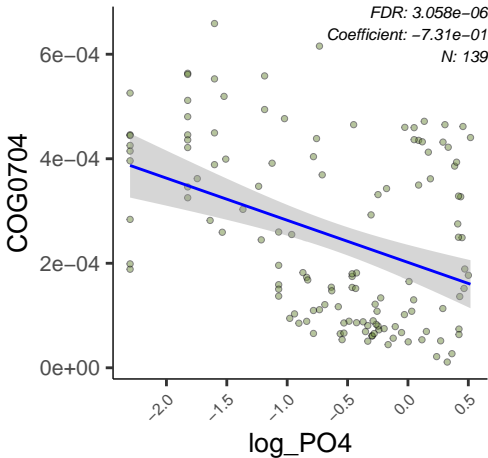
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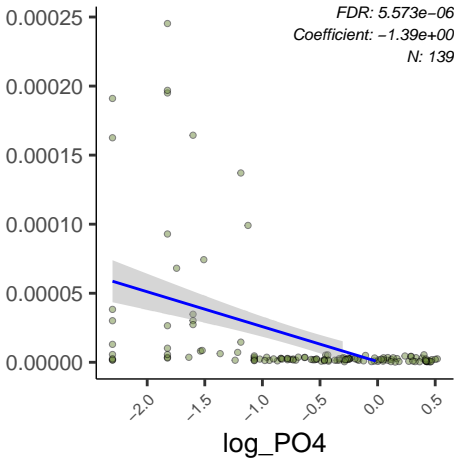
log_PO4



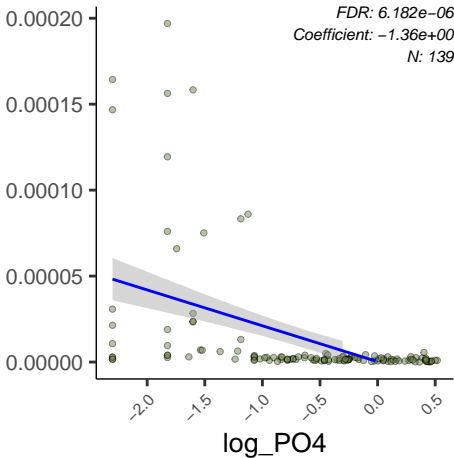




COG3627



COG3624



COG0248

6e-04

4e-04

2e-04

-2.0

-1.5

-1.0

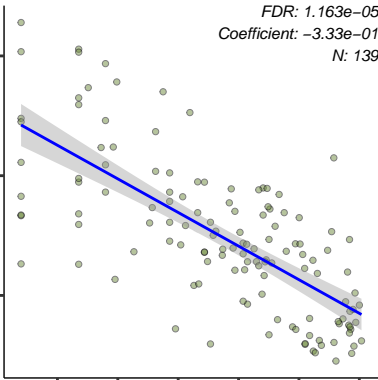
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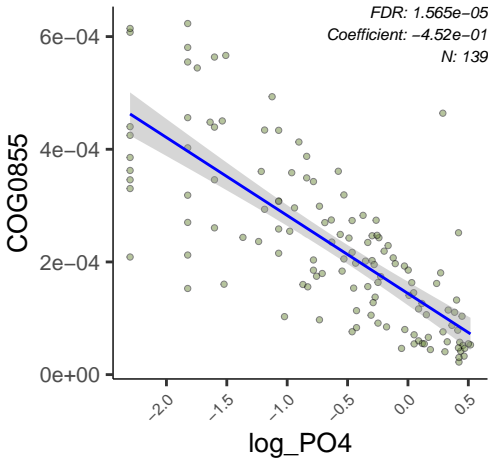
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0.5

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

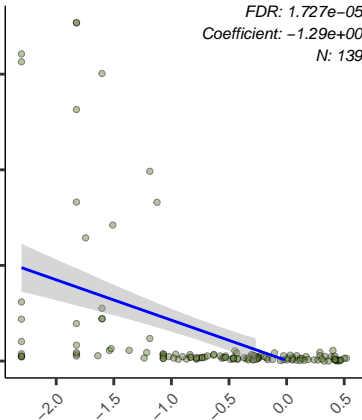
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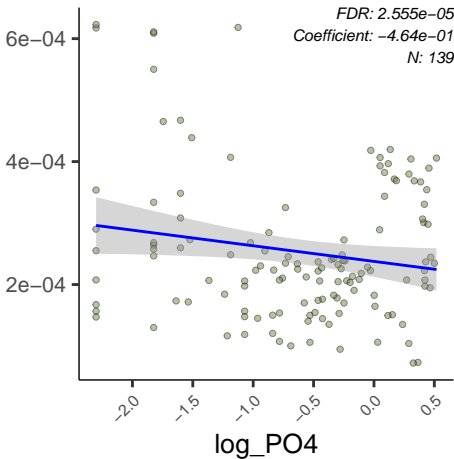
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log_PO4

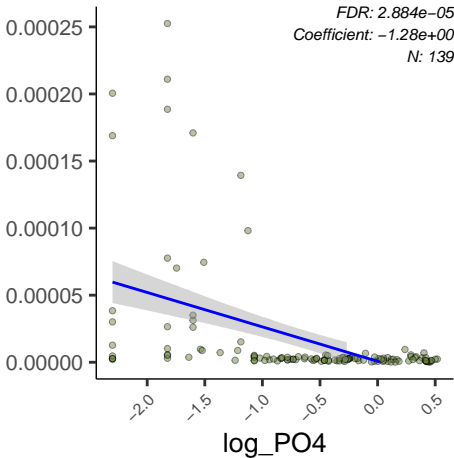
FDR: 1.727e-05
Coefficient: -1.29e+00
N: 139



COG3639



COG3626



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

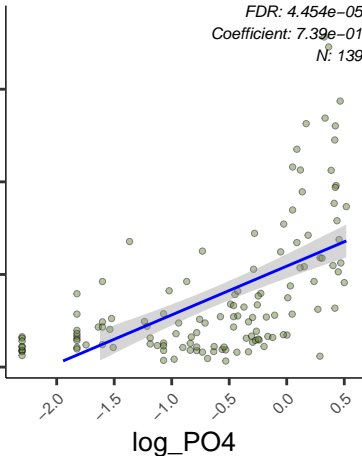
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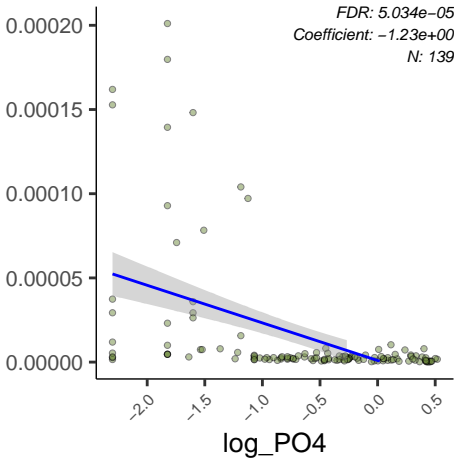
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0.5

log_PO4



COG4778



COG4107

FDR: 6.373e-05

Coefficient: -1.27e+00

N: 139

2e-04

1e-04

0e+00

-2.0

-1.5

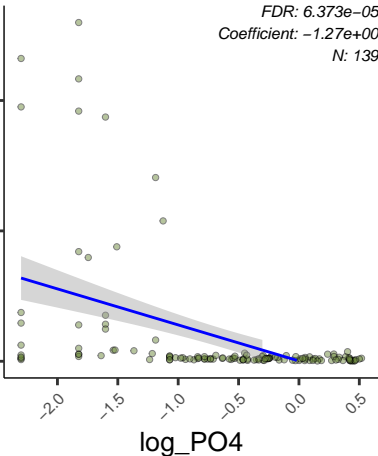
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-0.5

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

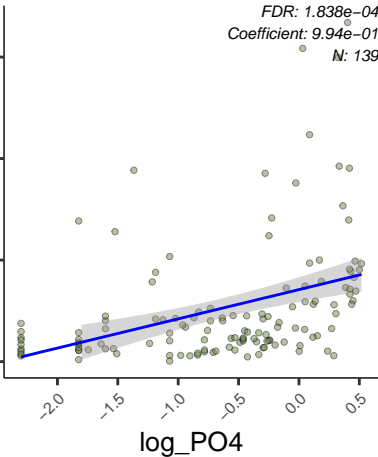
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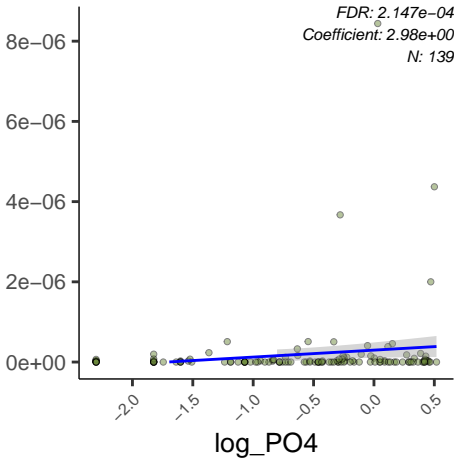
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0.5

log_PO4



COG3615



COG1392

FDR: 2.247e-04

Coefficient: 4.65e-01

N: 139

2e-04

1e-04

0e+00

-2.0

-1.5

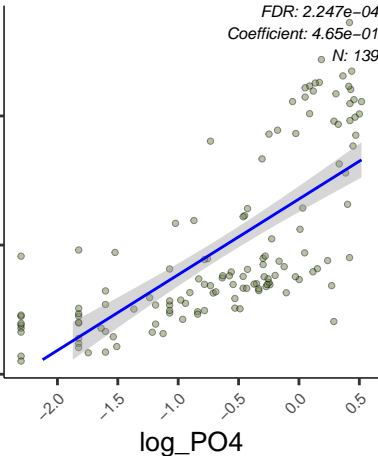
-1.0

-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

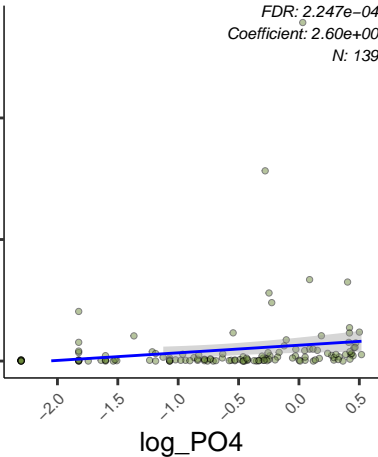
-1.0

-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

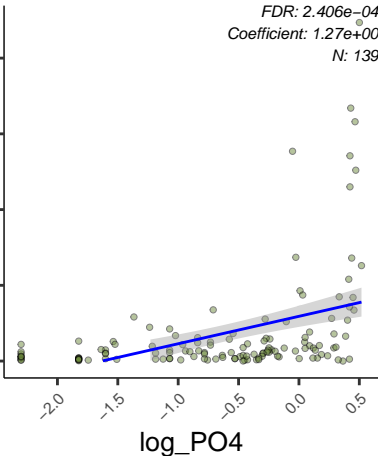
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-0.5

0.0

0.5

log_PO4



COG5421

FDR: 2.509e-04
Coefficient: 1.23e+00
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

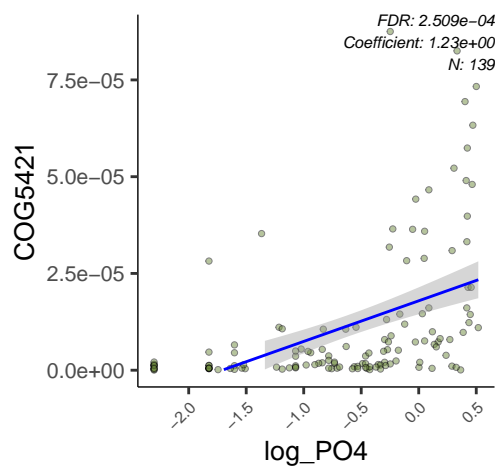
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-0.5

0.0

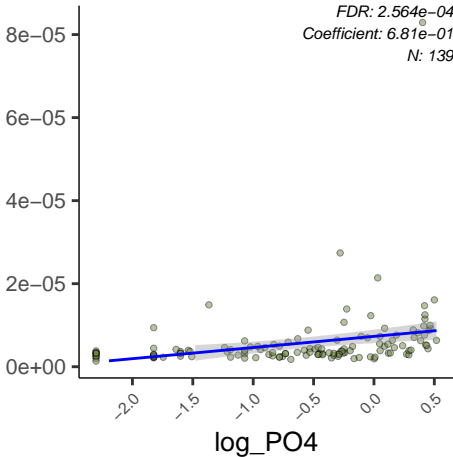
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log_PO4



COG3886

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



COG4247

0.00015

0.00010

0.00005

-2.0

-1.5

-1.0

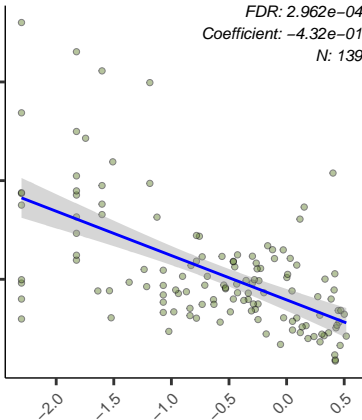
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0.0

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

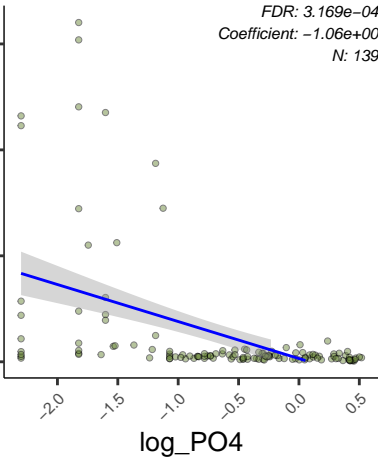
-1.0

-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

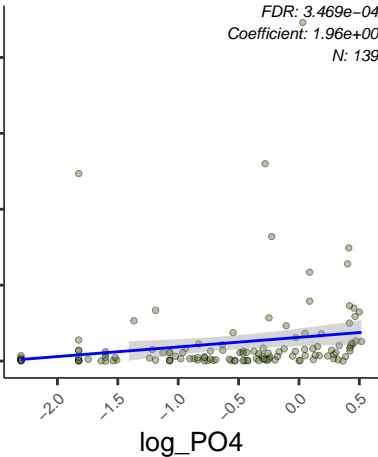
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0.0

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

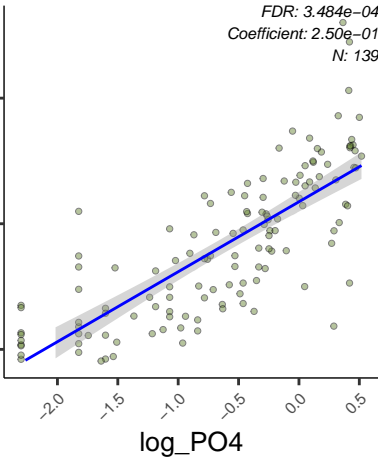
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-0.5

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

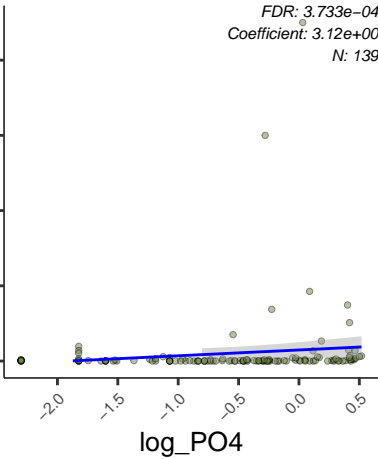
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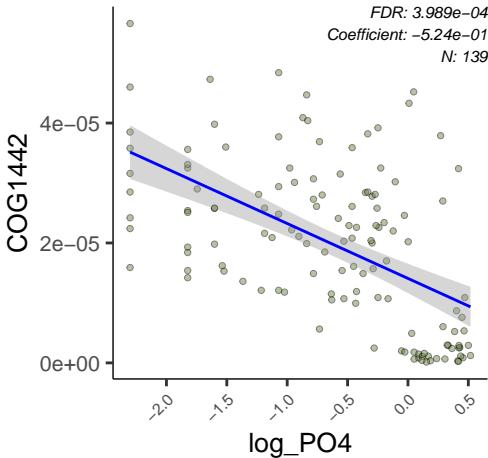
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0.0

0.5

log_PO4





COG4682

FDR: 3.989e-04
Coefficient: 1.21e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

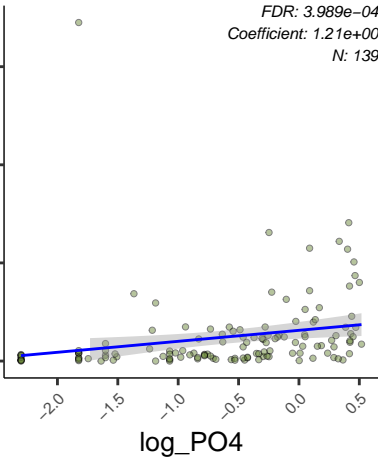
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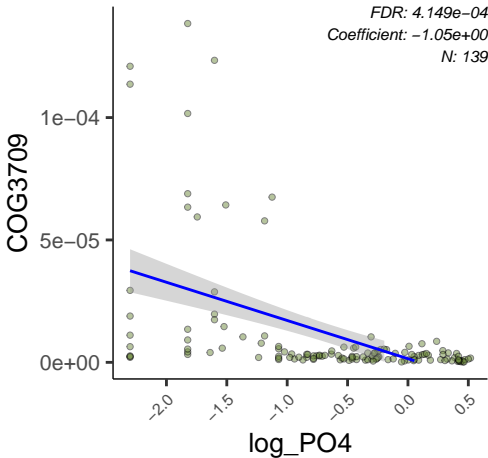
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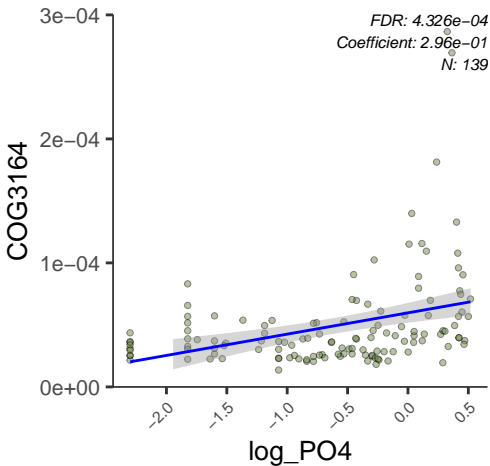
0.0

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

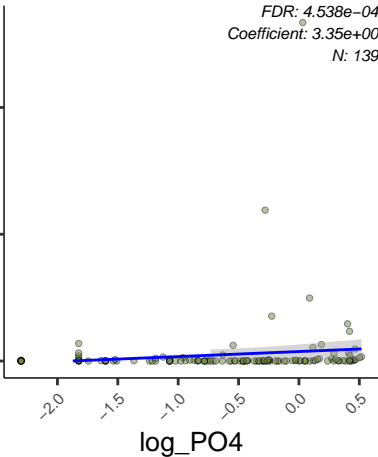
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-0.5

0.0

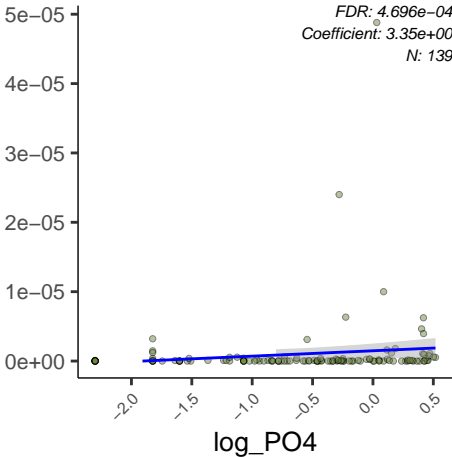
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log_PO4



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

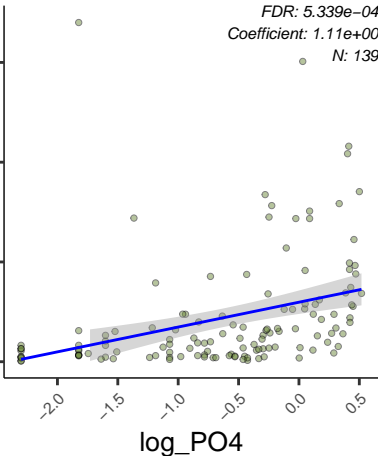
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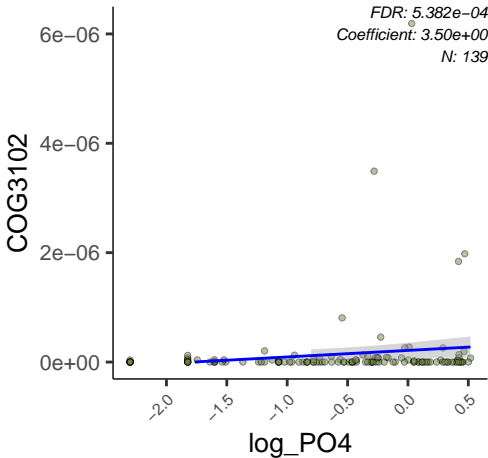
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-0.5

0.0

0.5





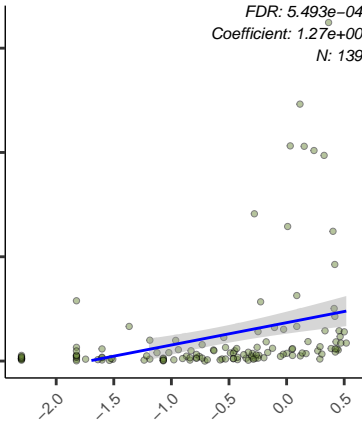
COG4628

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
0.0
0.5

log_PO4



COG1597

3e-04

2e-04

1e-04

-2.0

-1.5

-1.0

-0.5

0.0

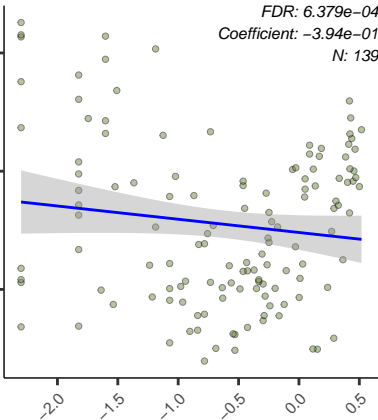
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log_PO4

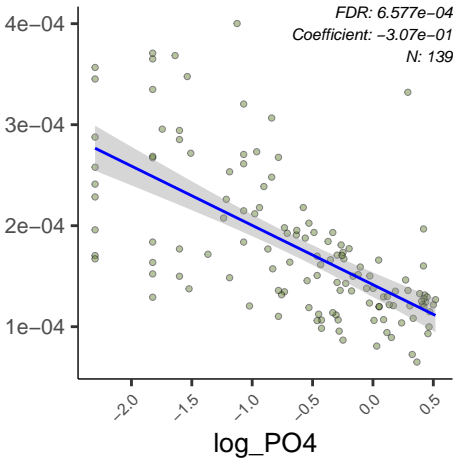
FDR: 6.379e-04

Coefficient: -3.94e-01

N: 139



COG3638



COG4138

FDR: 6.883e-04

Coefficient: 1.50e+00

N: 139

3e-05

2e-05

1e-05

0e+00

log_PO4

-2.0

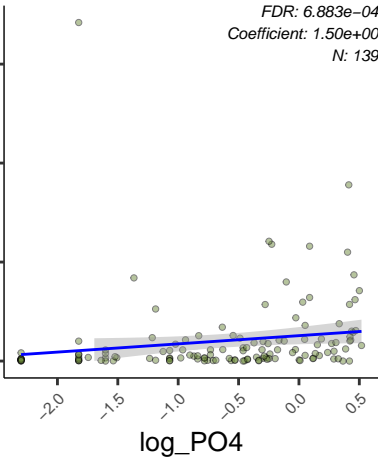
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-1.0

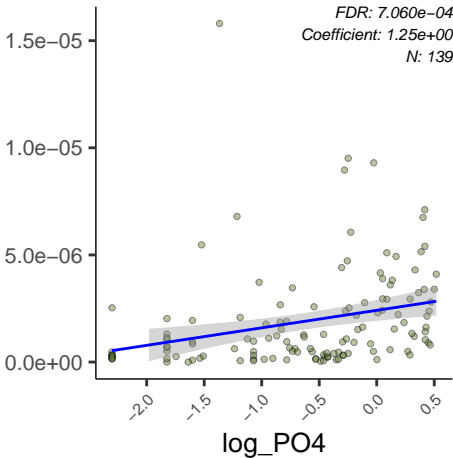
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0.0

0.5



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

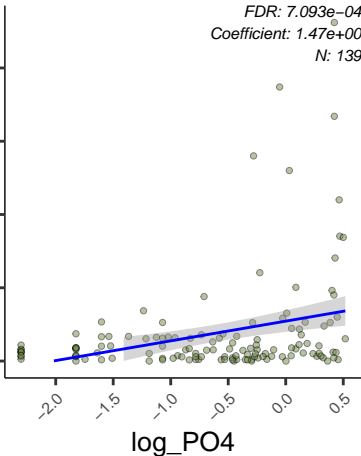
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-0.5

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

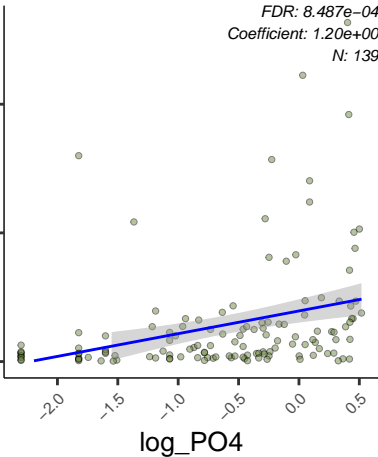
-1.0

-0.5

0.0

0.5

log_PO4



COG4568

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

1.5e-05

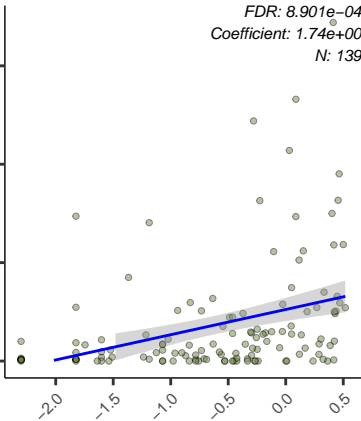
1.0e-05

5.0e-06

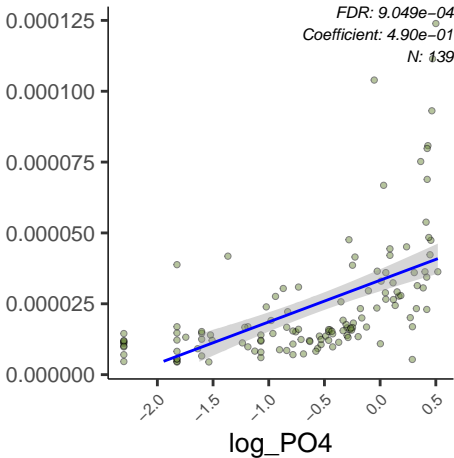
0.0e+00

-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

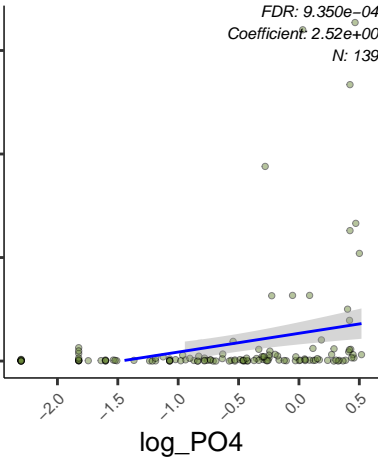
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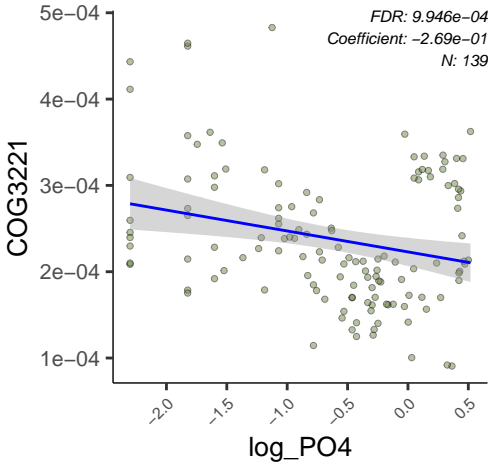
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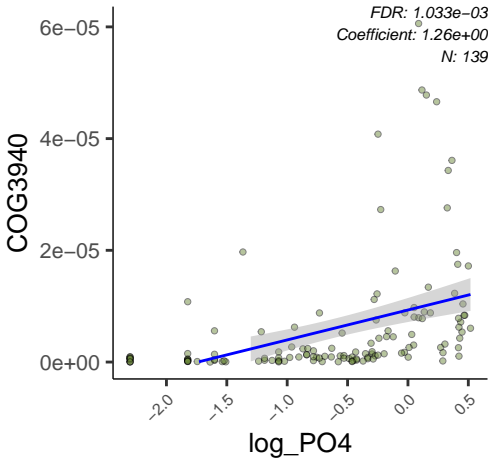
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0.5

log_PO4







COG4558

0.00015
0.00010
0.00005
0.00000

-2.0

-1.5

-1.0

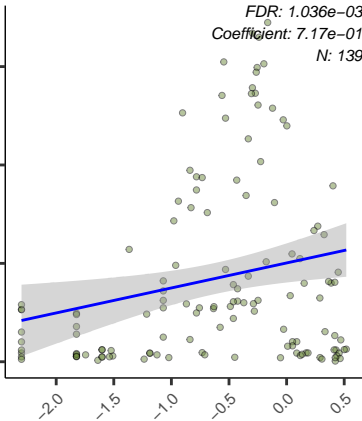
-0.5

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

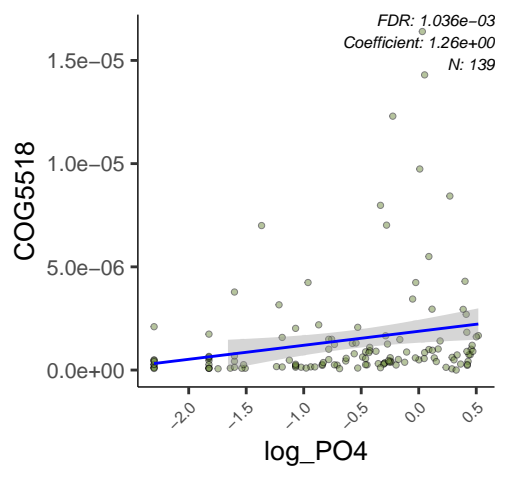
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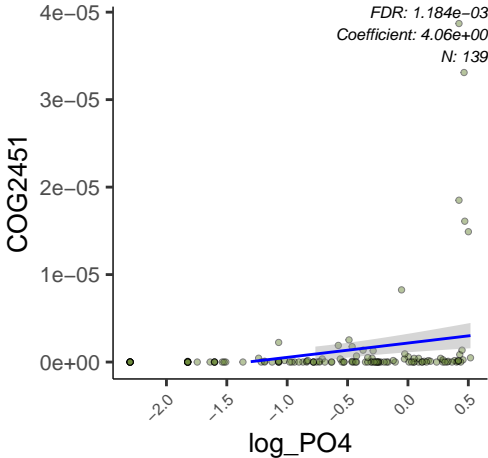
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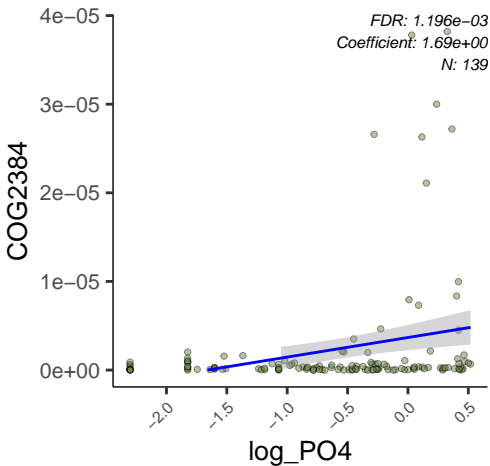
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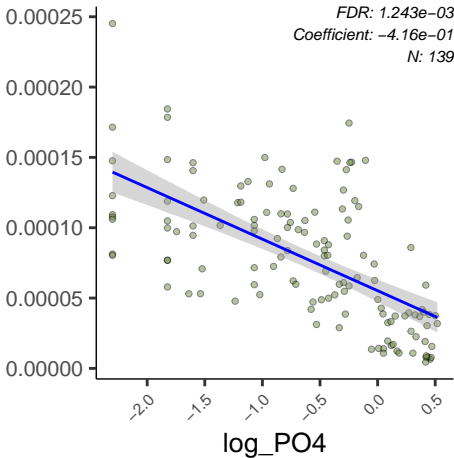
log_PO4







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

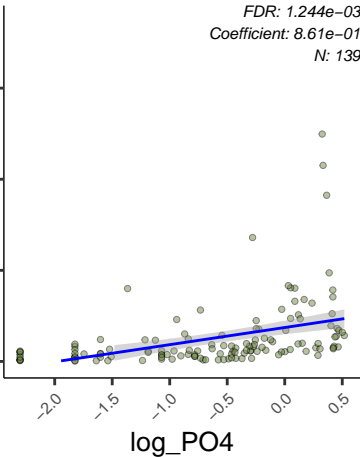
-1.0

-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

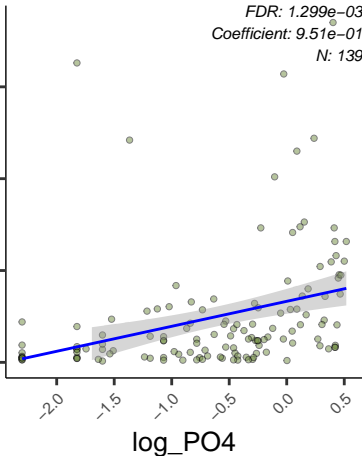
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-0.5

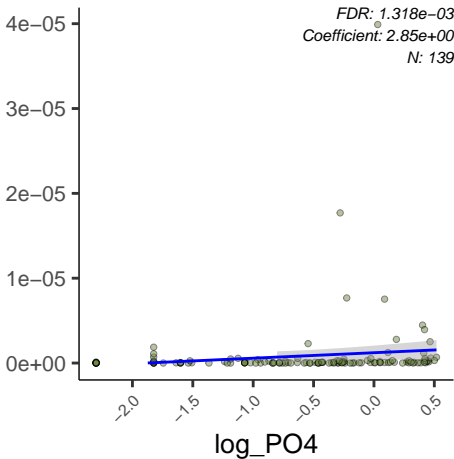
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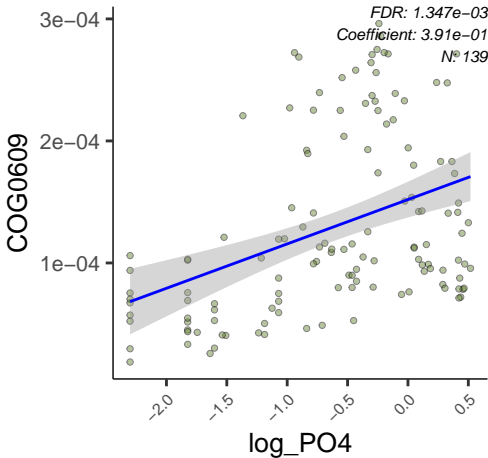
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log_PO4



COG5595





COG1944

FDR: 1.372e-03
Coefficient: 9.62e-01
N: 139

4e-05

2e-05

0e+00

-2.0

-1.5

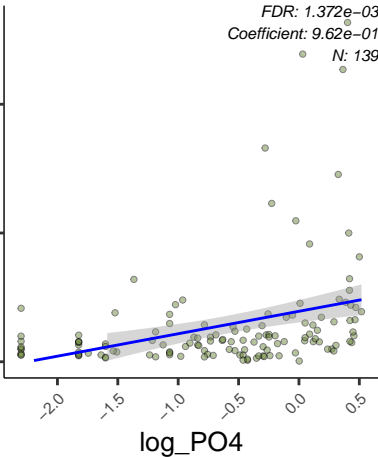
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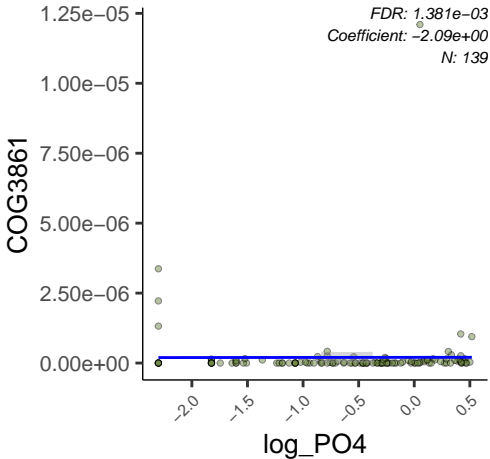
-0.5

0.0

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log_PO4





COG0438

FDR: 1.394e-03

Coefficient: -7.01e-02

N: 139

0.0032

0.0028

0.0024

-2.0

-1.5

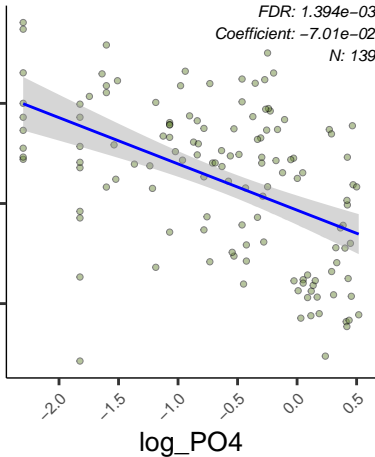
-1.0

-0.5

0.0

0.5

log_PO4



COG2375

FDR: 1.416e-03

Coefficient: 5.66e-01

N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

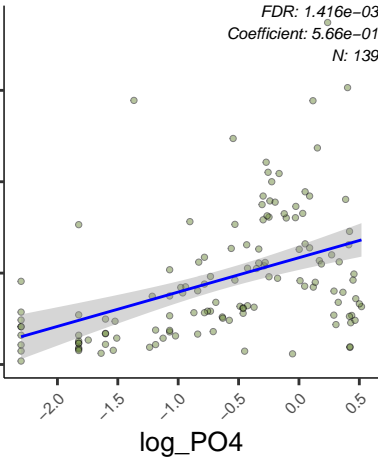
-1.0

-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

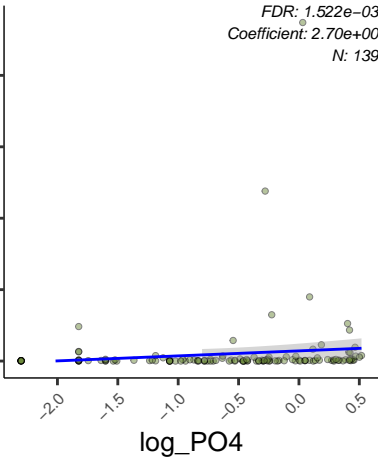
-1.0

-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

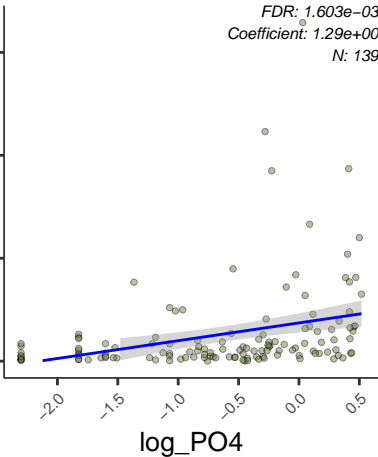
-1.0

-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

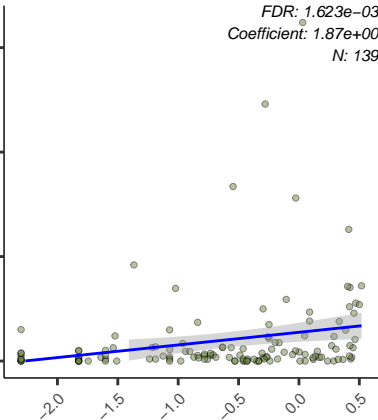
-1.5

-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

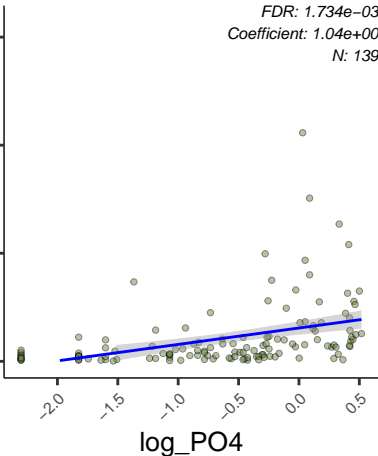
-1.0

-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

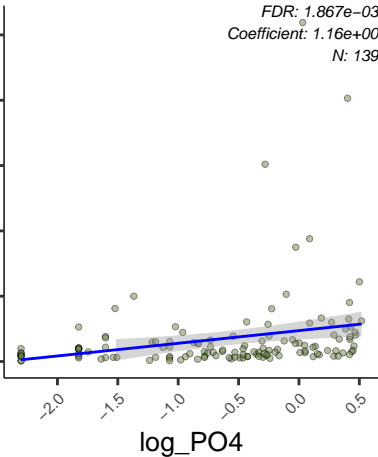
-1.0

-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

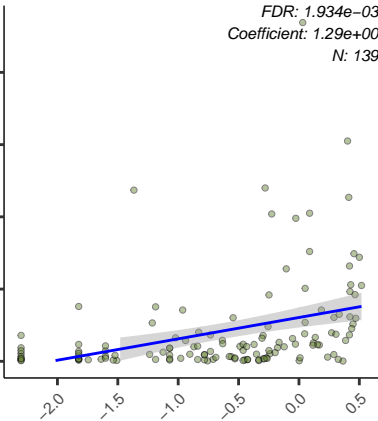
-1.0

-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

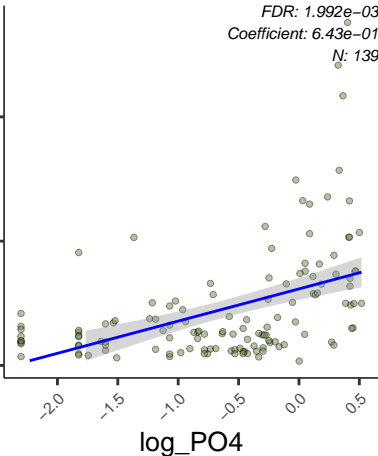
-1.0

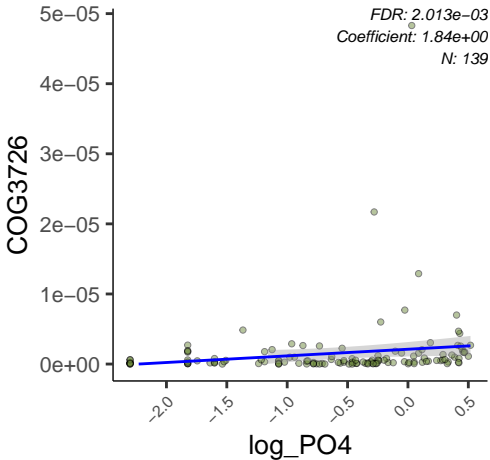
-0.5

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

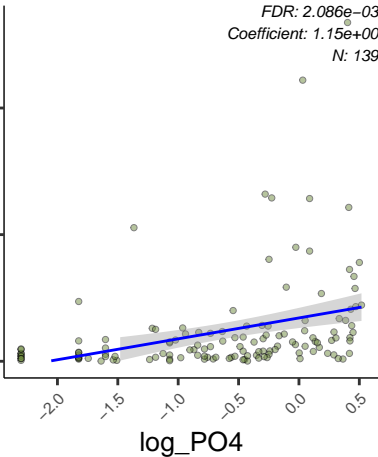
-1.0

-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

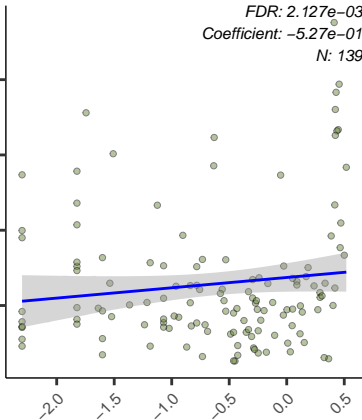
-0.5

0.0

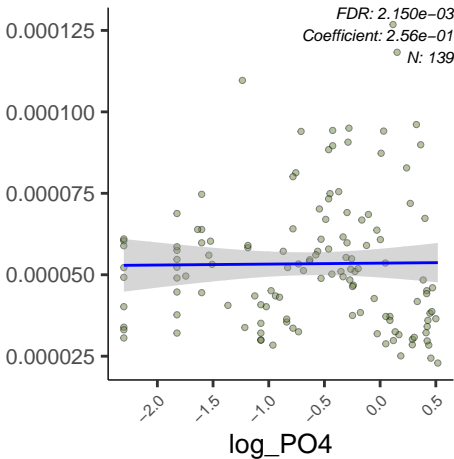
0.5

log_PO4

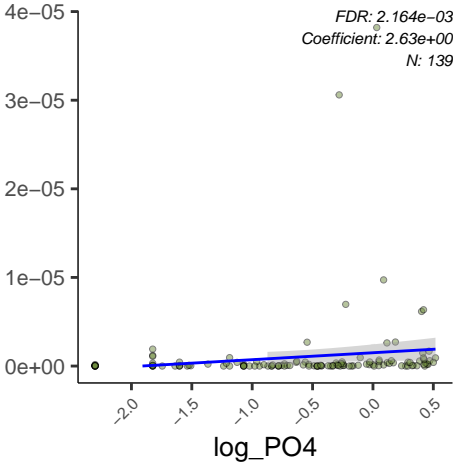
FDR: 2.127e-03
Coefficient: -5.27e-01
N: 139



COG4704



COG4538



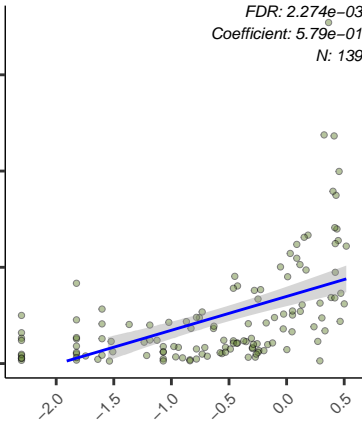
COG2922

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

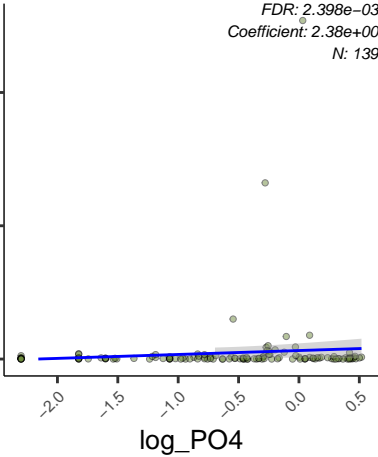
-1.0

-0.5

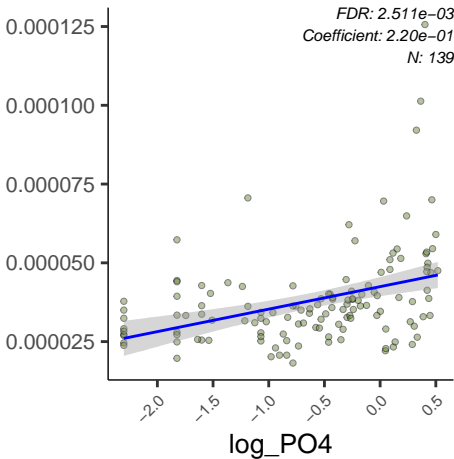
0.0

0.5

log_PO4



COG2825



COG0489

8e-04

7e-04

6e-04

-2.0

-1.5

-1.0

-0.5

0.0

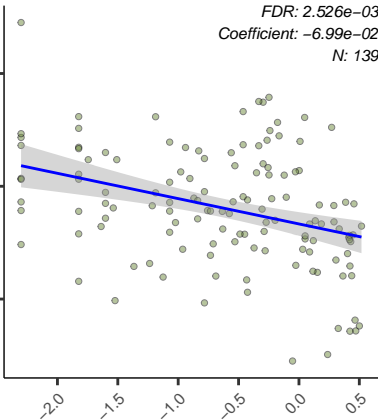
0.5

log_PO4

FDR: 2.526e-03

Coefficient: -6.99e-02

N: 139



COG3227

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

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

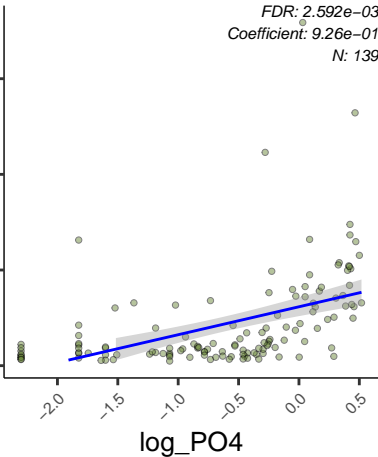
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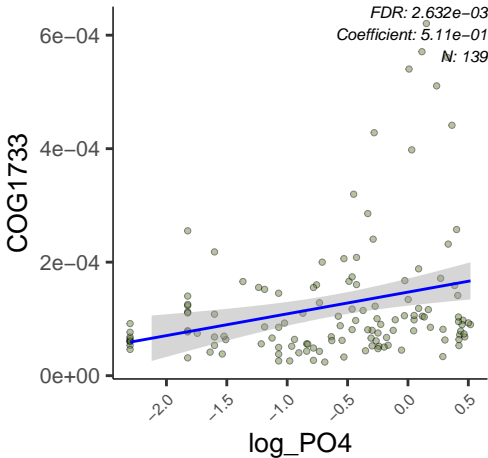
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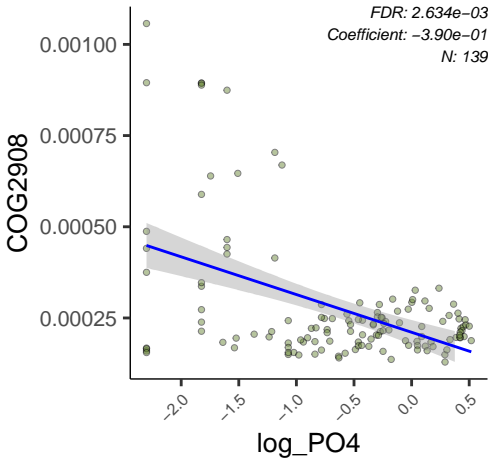
0.0

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

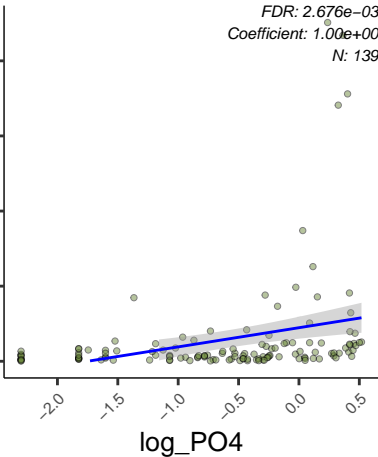
-1.0

-0.5

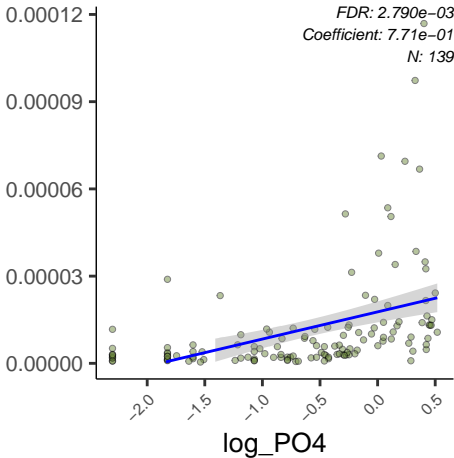
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0.5

log_PO4



COG3530



COG0745

0.0020

0.0016

0.0012

-2.0

-1.5

-1.0

-0.5

0.0

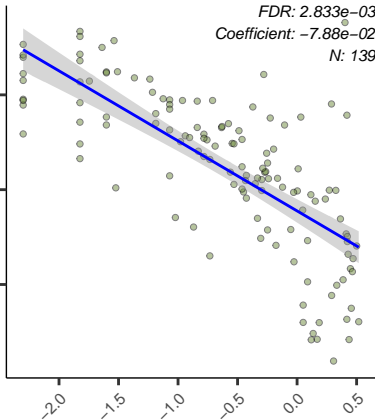
0.5

log_PO4

FDR: 2.833e-03

Coefficient: -7.88e-02

N: 139



COG0103

FDR: 2.904e-03

Coefficient: -5.47e-02

N: 139

6e-04

5e-04

4e-04

-2.0

-1.5

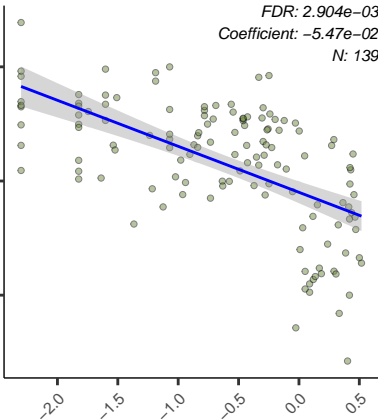
-1.0

-0.5

0.0

0.5

log_PO4



COG3203

FDR: 3.080e-03

Coefficient: 4.01e-01

N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

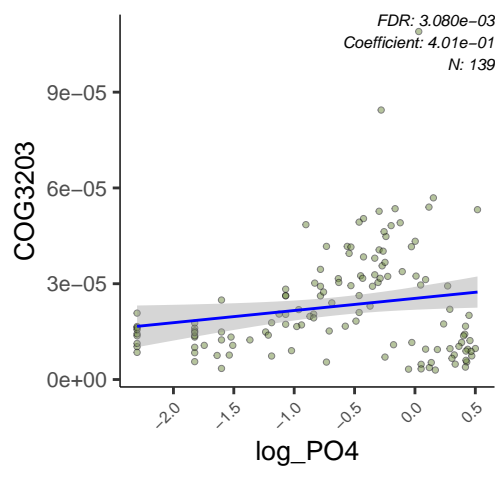
-1.0

-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

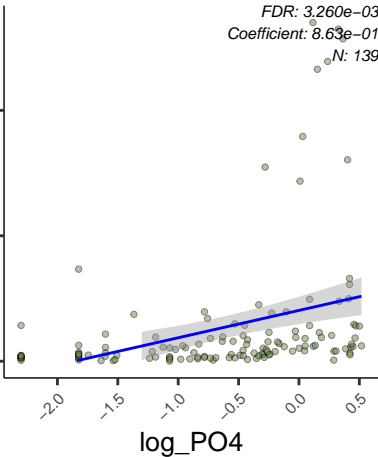
-1.0

-0.5

0.0

0.5

log_PO4



COG1672

FDR: 3.477e-03

Coefficient: 1.08e+00

N: 139

2e-05

1e-05

0e+00

-2.0

-1.5

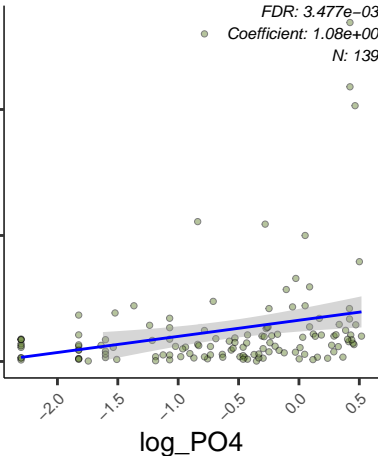
-1.0

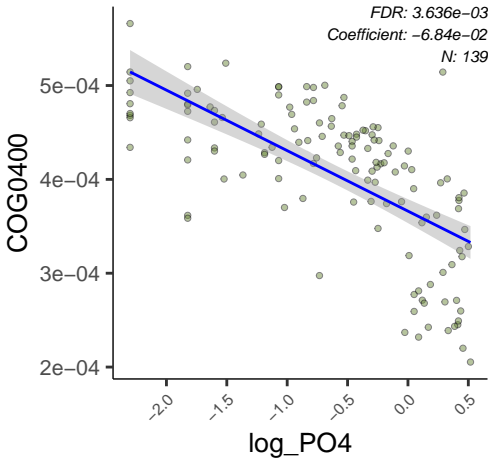
-0.5

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

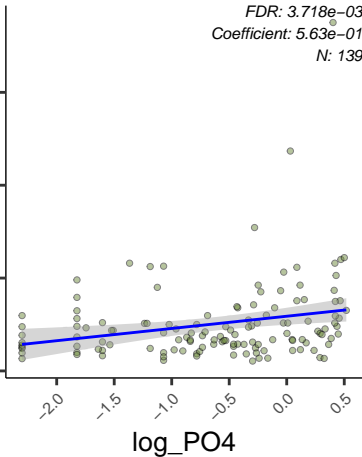
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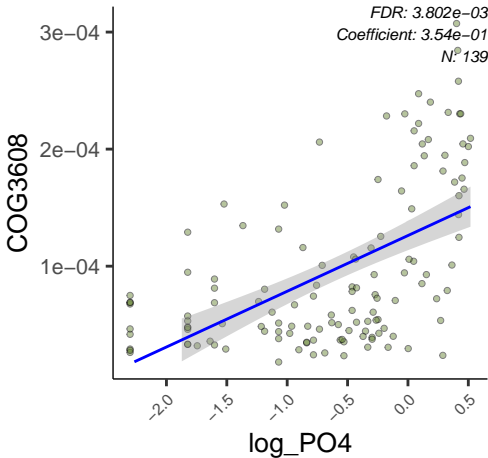
-0.5

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

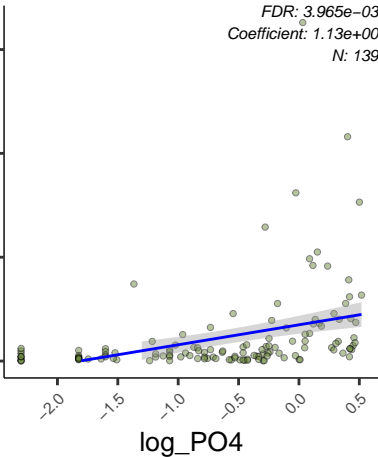
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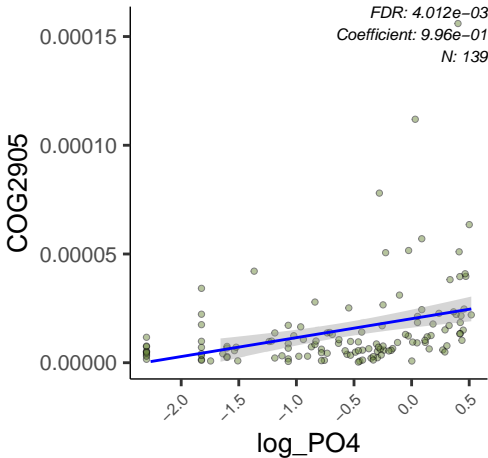
-0.5

0.0

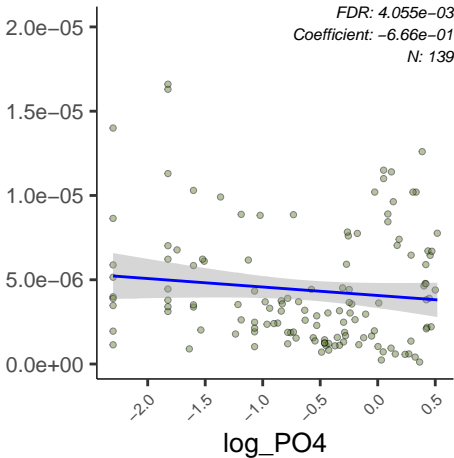
0.5

log_PO4

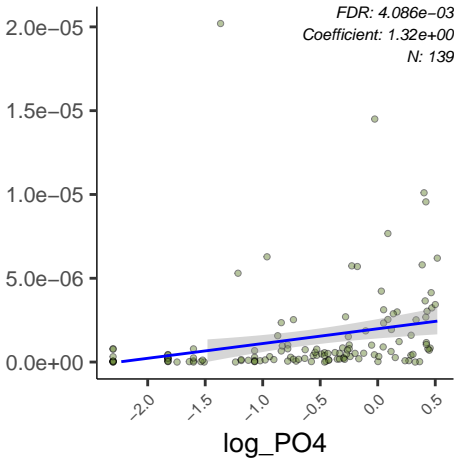




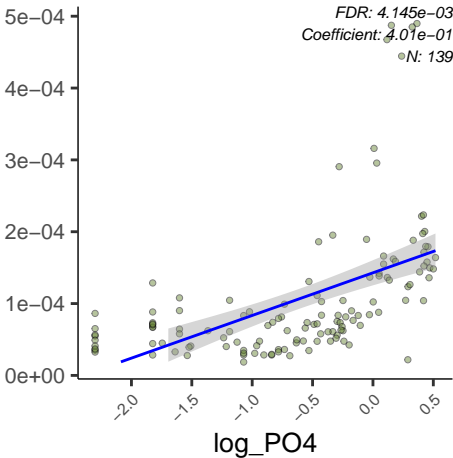
COG5379

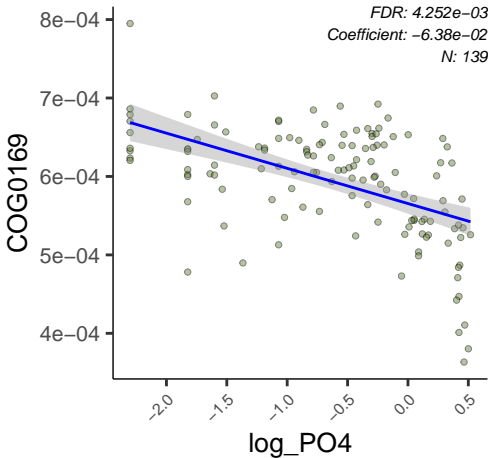


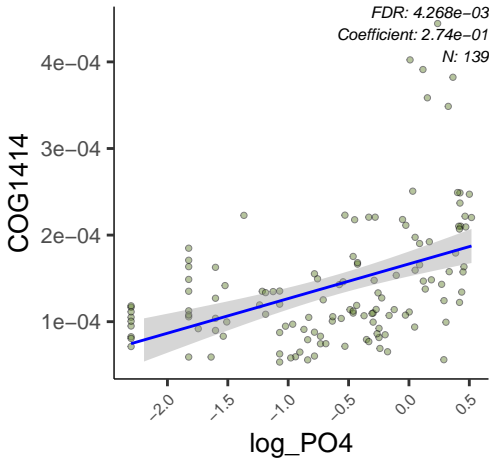
COG4271



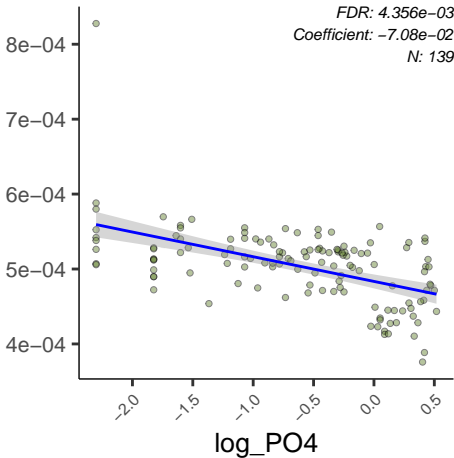
COG2095







COG0105



COG4519

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

1e-05

5e-06

0e+00

-2.0

-1.5

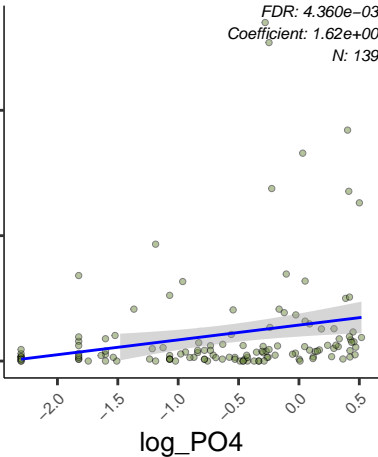
-1.0

-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

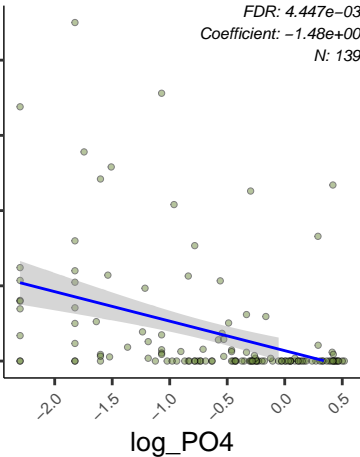
-1.0

-0.5

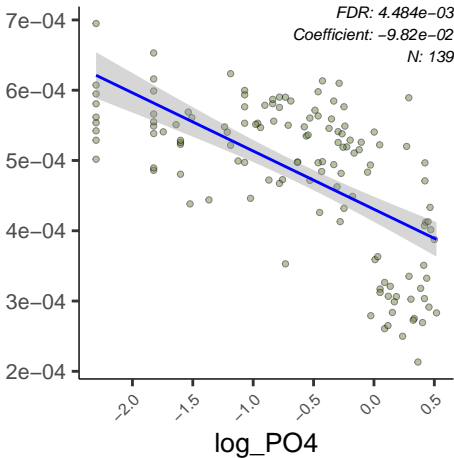
0.0

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

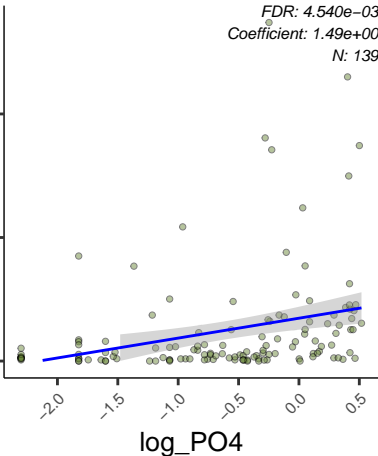
-1.0

-0.5

0.0

0.5

log_PO4



COG1760

2e-04

1e-04

0e+00

-2.0

-1.5

-1.0

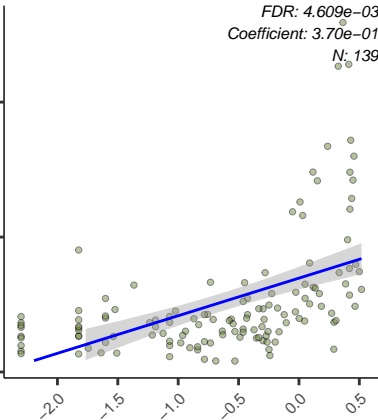
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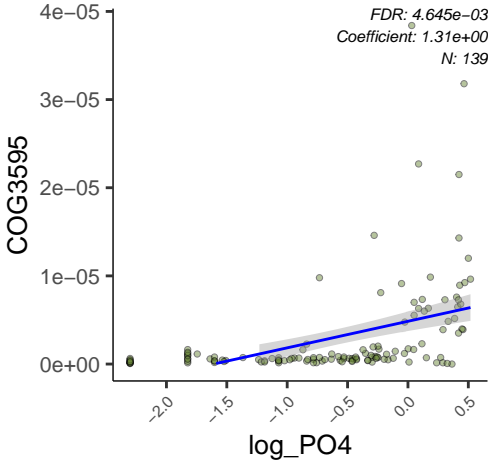
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0.5

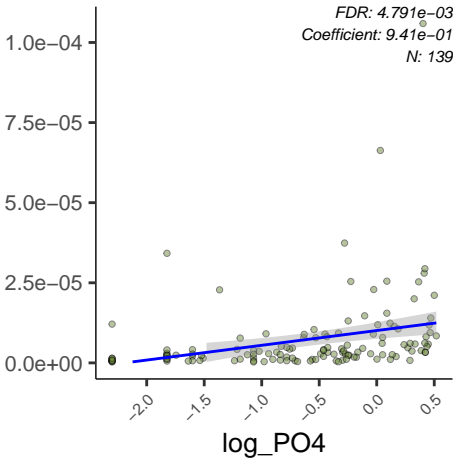
log_PO4

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





COG0676



COG4230

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

3e-04

2e-04

1e-04

-2.0

-1.5

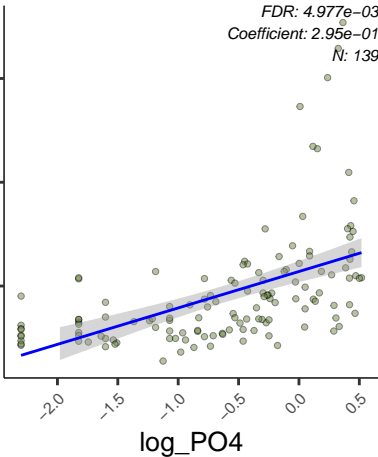
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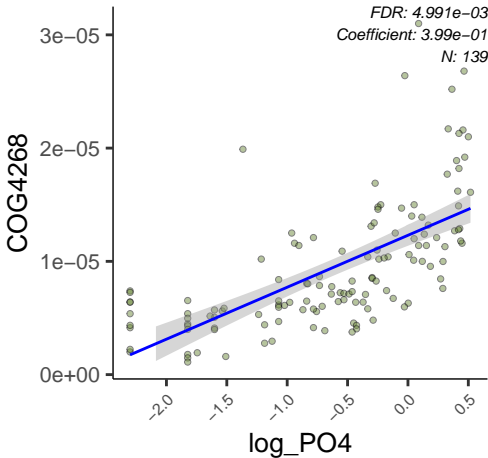
-0.5

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

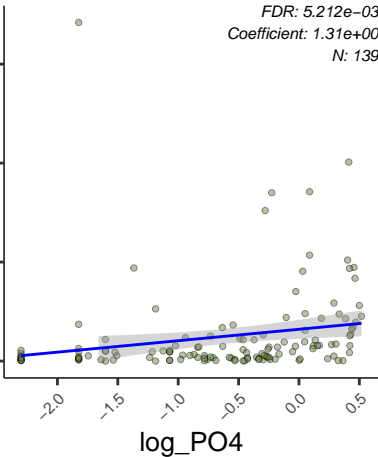
-1.5

-1.0

-0.5

0.0

0.5



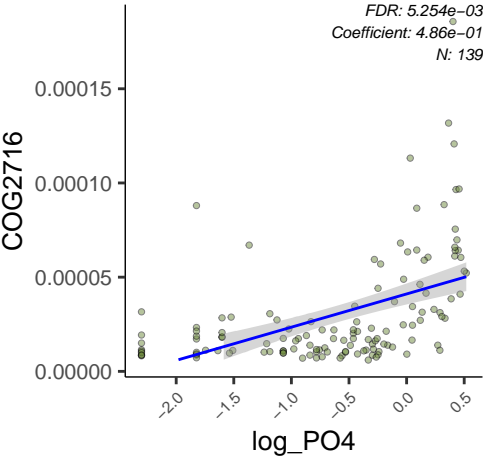
COG2716

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

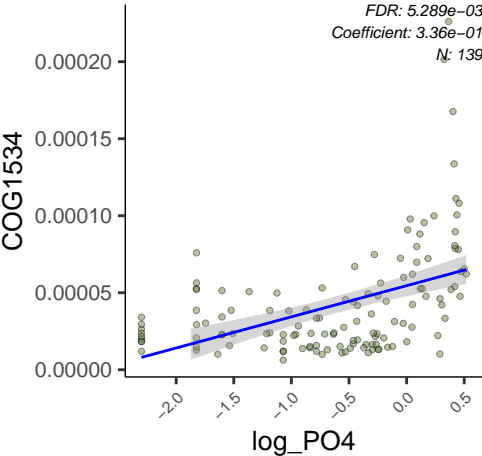
-1.0

-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

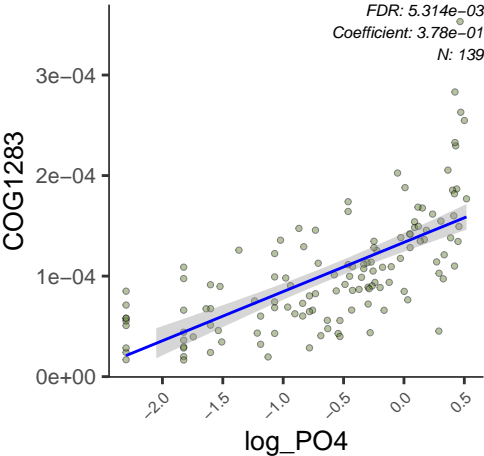
-1.0

-0.5

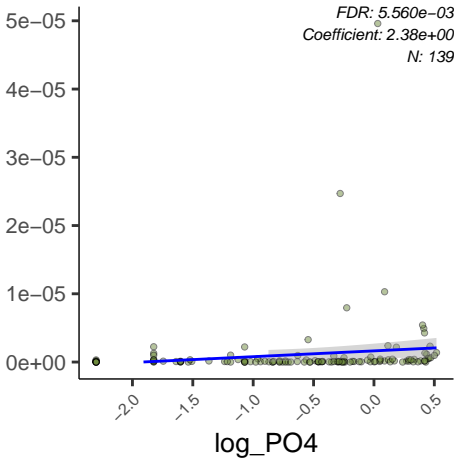
0.0

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

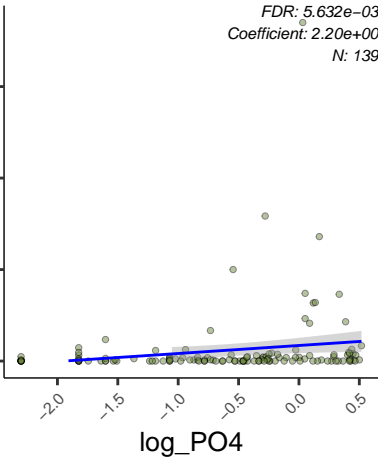
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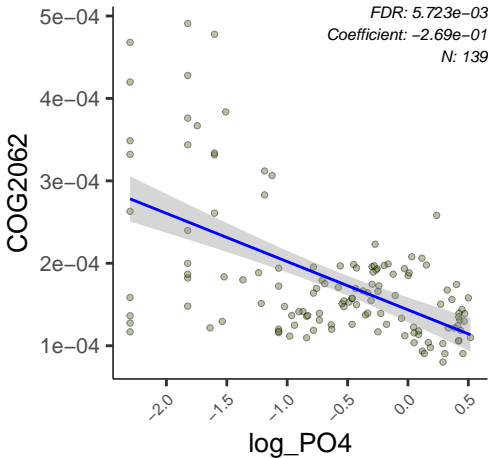
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0.0

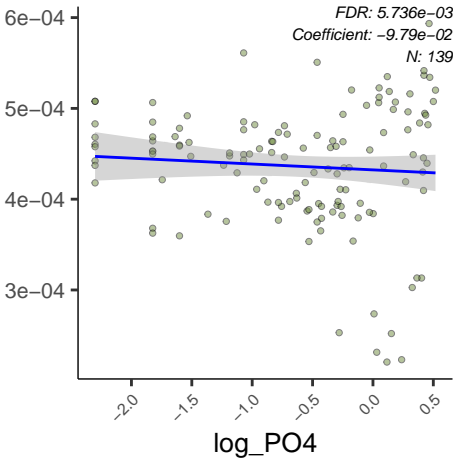
0.5

log_PO4





COG0377



COG2135

FDR: 5.743e-03

Coefficient: -1.46e-01

N: 139

5e-04

4e-04

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

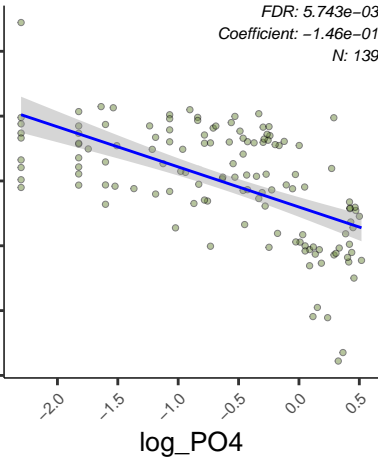
-1.0

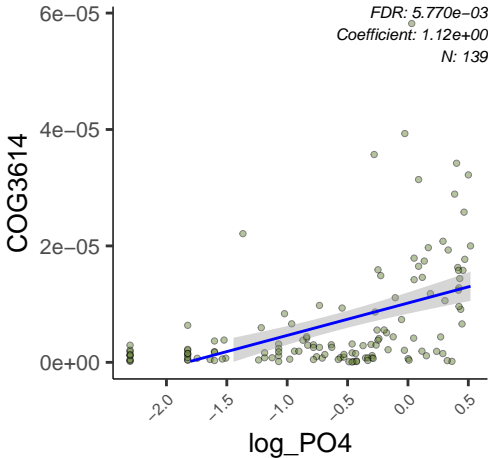
-0.5

0.0

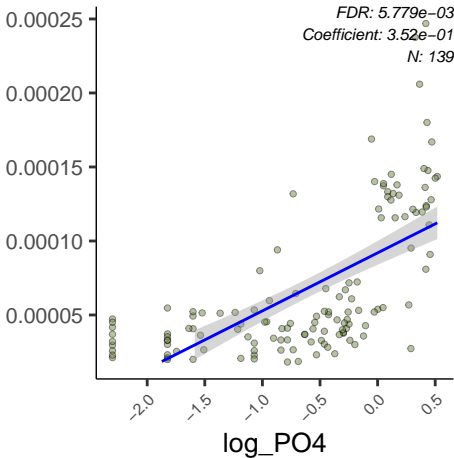
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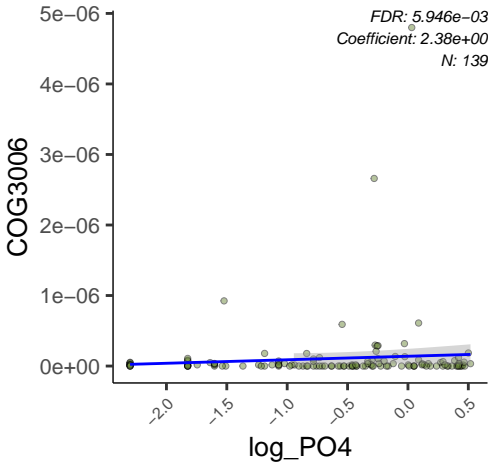
log_PO4





COG1368





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

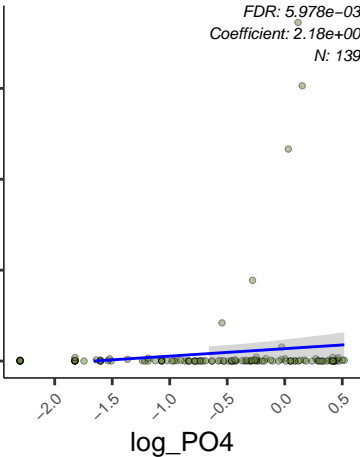
-1.0

-0.5

0.0

0.5

log_PO4



COG4559

FDR: 5.981e-03

Coefficient: 5.94e-01

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

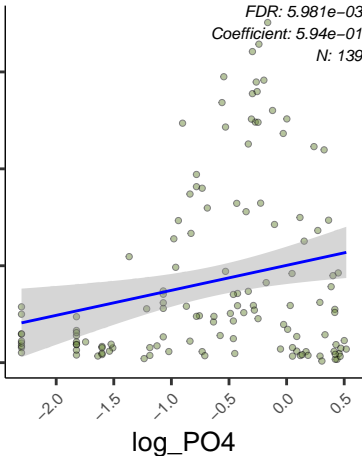
-1.0

-0.5

0.0

0.5

log_PO4



COG3043

1.5e-05

1.0e-05

5.0e-06

0.0e+00

FDR: 5.988e-03

Coefficient: 1.92e+00

N: 139

-2.0

-1.5

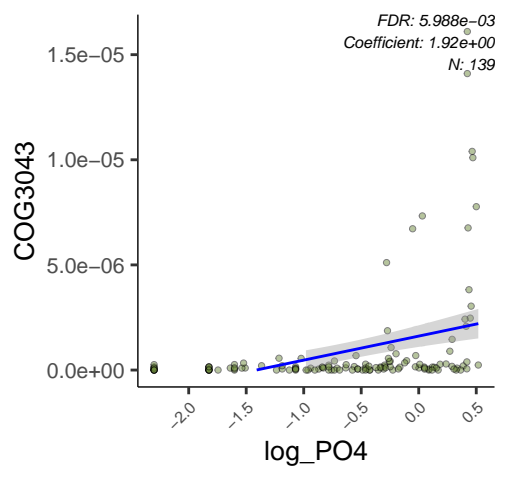
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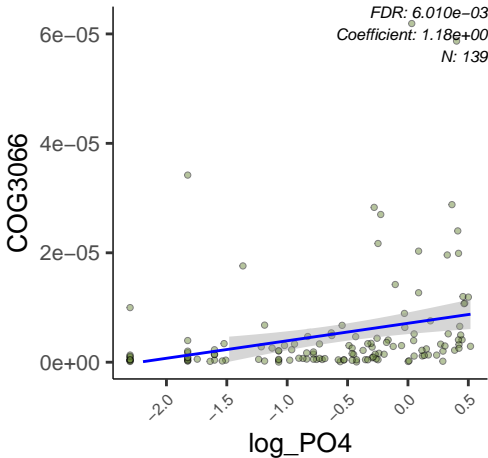
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0.0

0.5

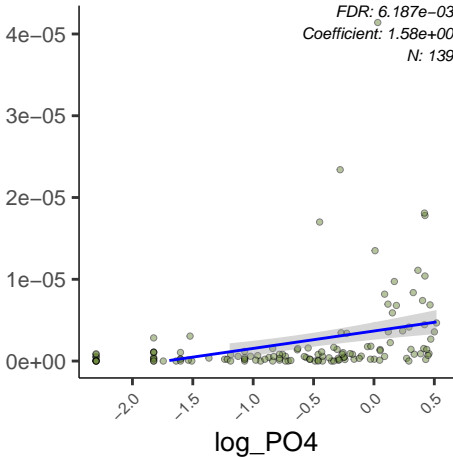
log_PO4





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

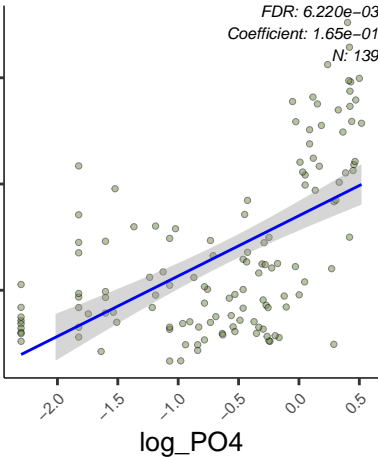
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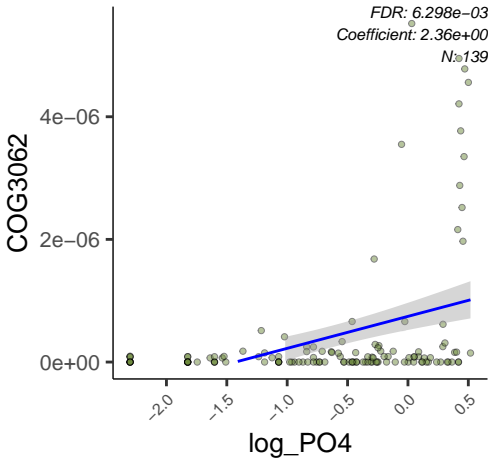
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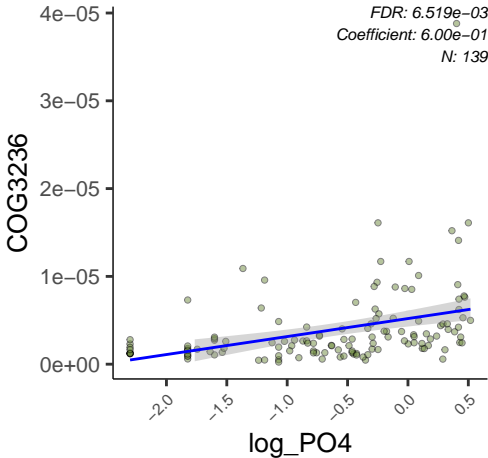
0.0

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

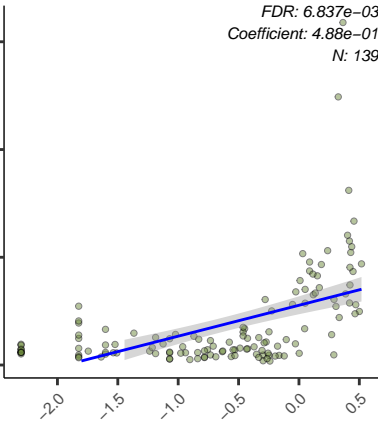
-1.0

-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

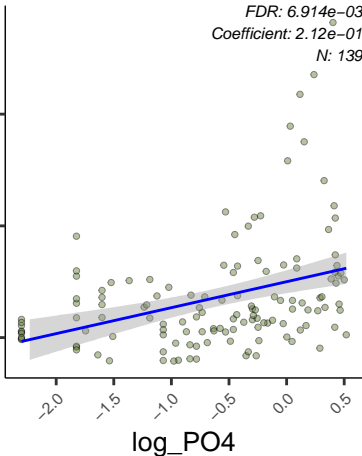
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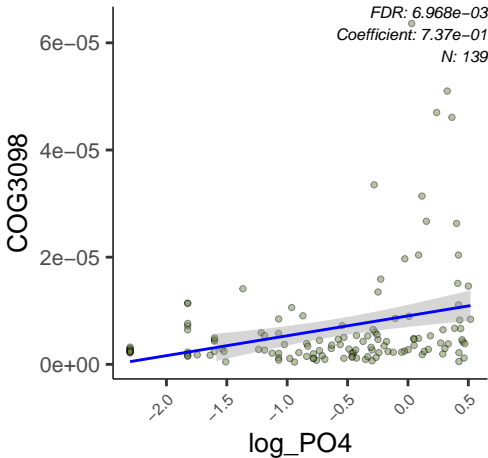
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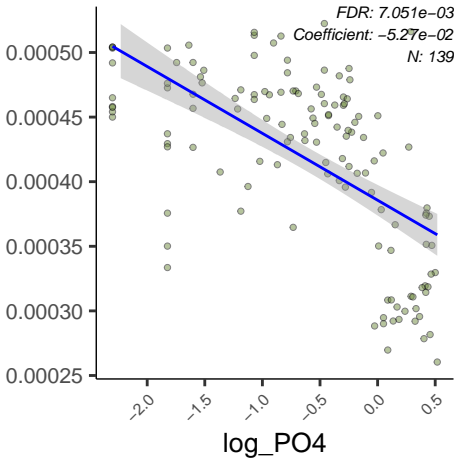
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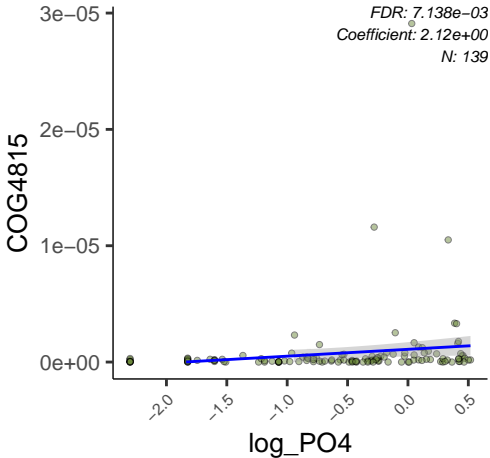
log_PO4





COG1546





COG2336

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

2e-05

1e-05

0e+00

-2.0

-1.5

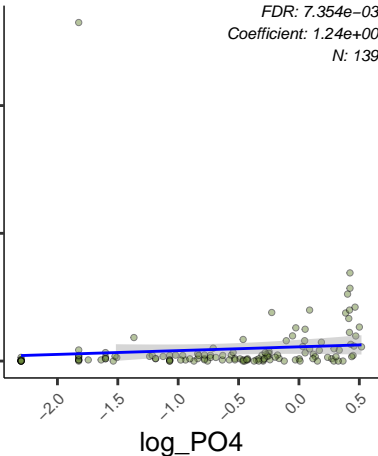
-1.0

-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

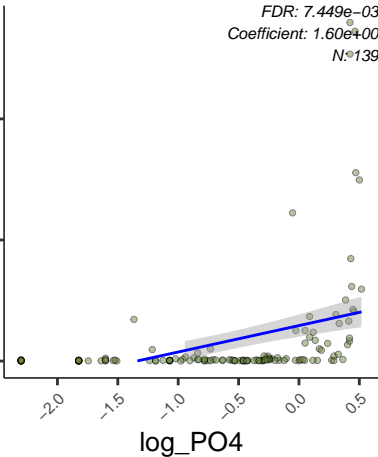
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-0.5

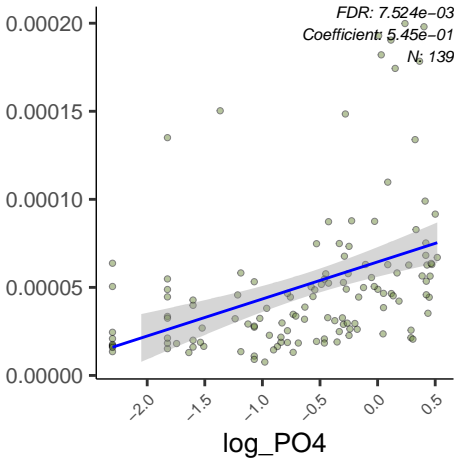
0.0

0.5

log_PO4

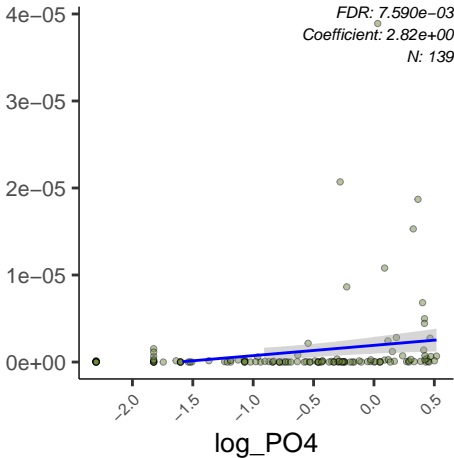


COG1349



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

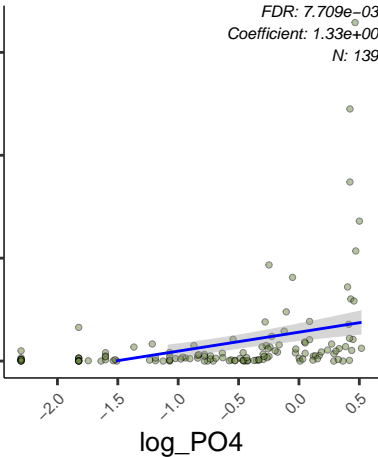
-1.0

-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

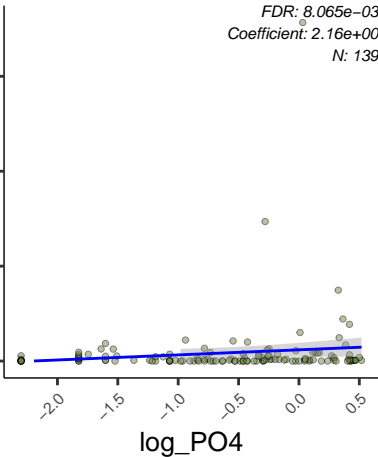
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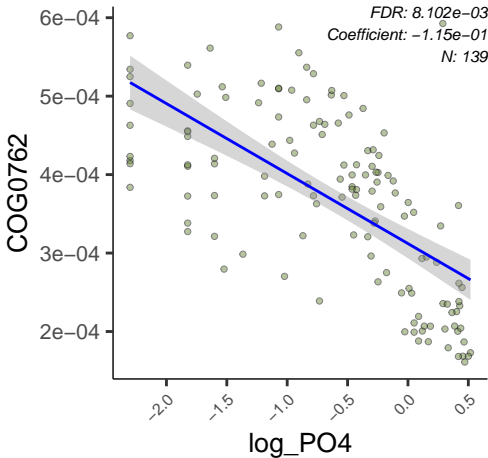
-0.5

0.0

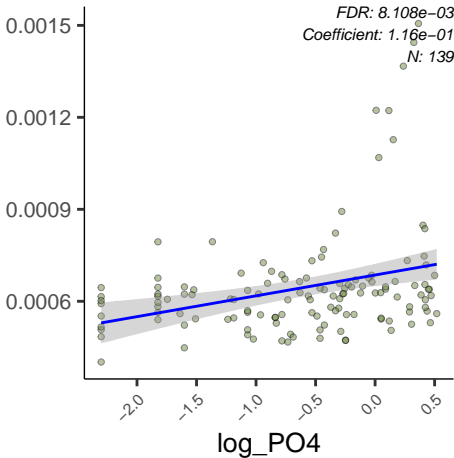
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log_PO4

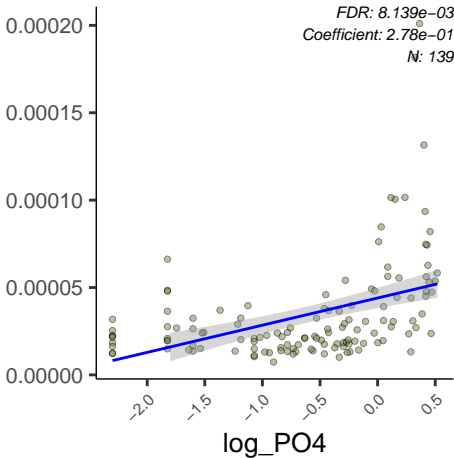




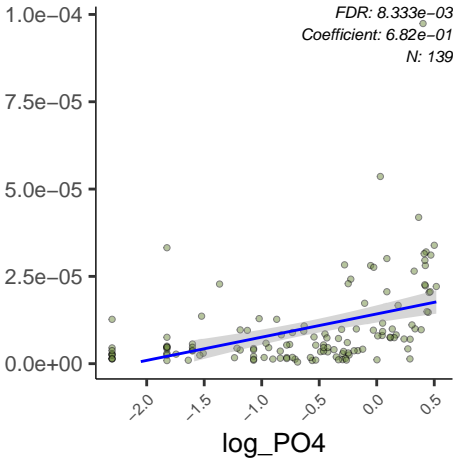
COG0488



COG4137



COG3117



COG5484

1.5e-05

1.0e-05

5.0e-06

0.0e+00

FDR: 8.577e-03

Coefficient: 1.58e+00

N: 139

-2.0

-1.5

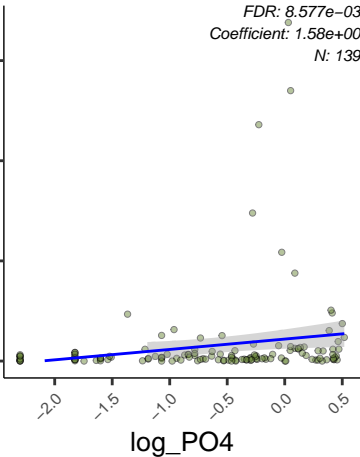
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-0.5

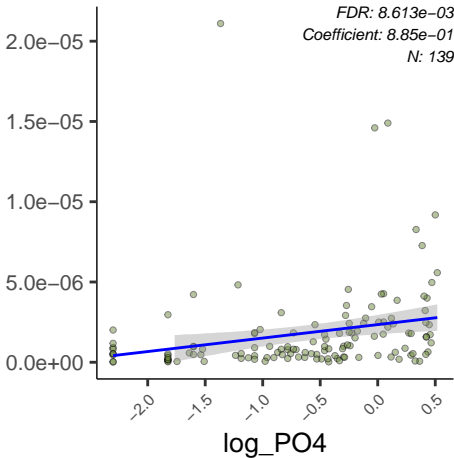
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0.5

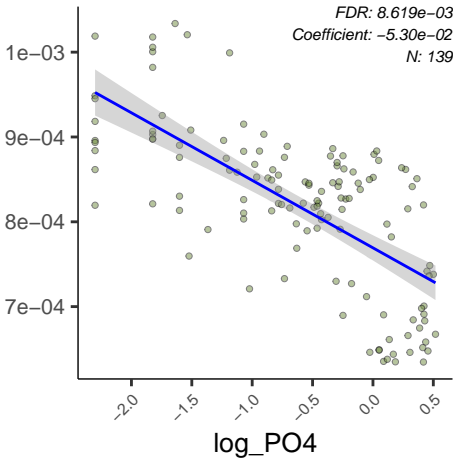
log_PO4



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

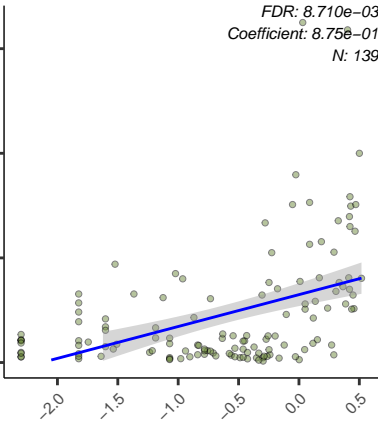
-1.0

-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

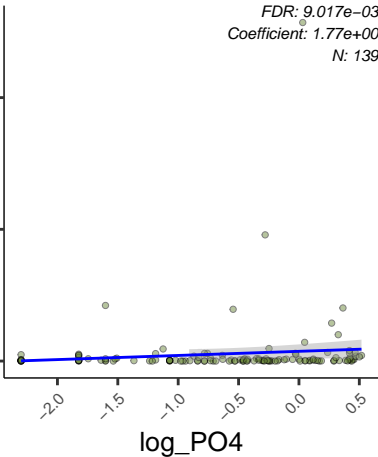
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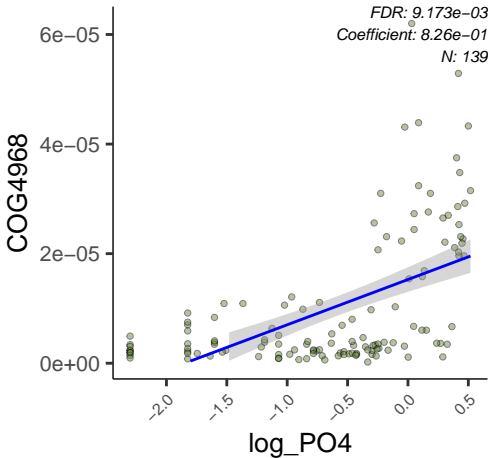
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0.0

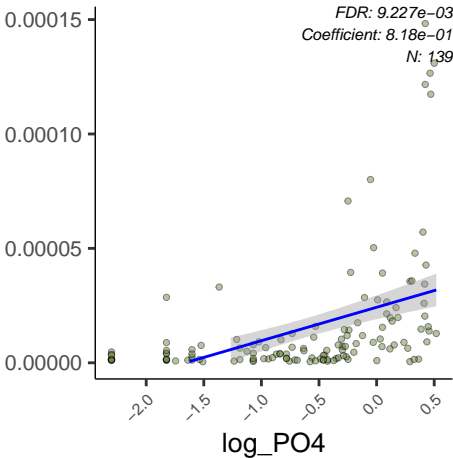
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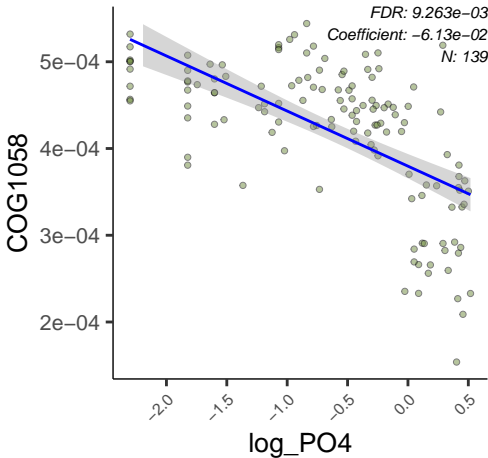
log_PO4

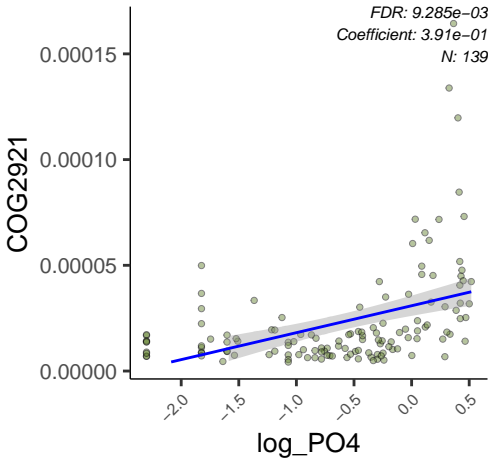


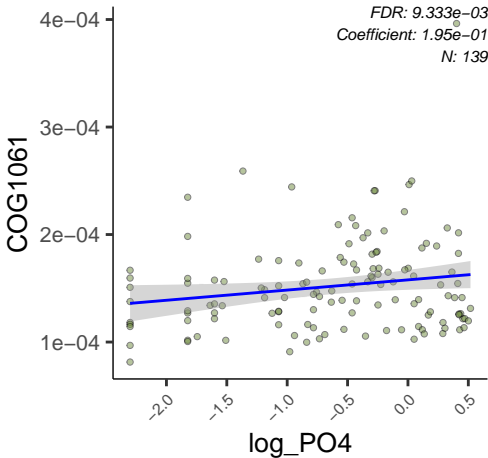


COG3415

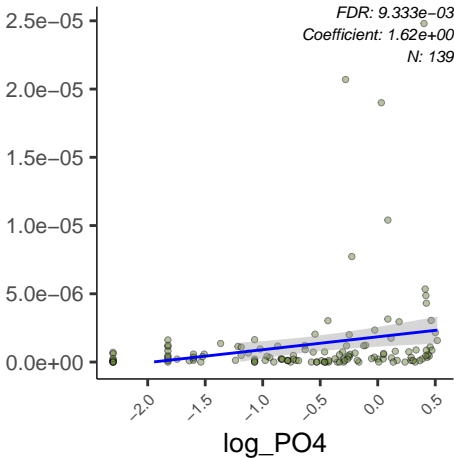




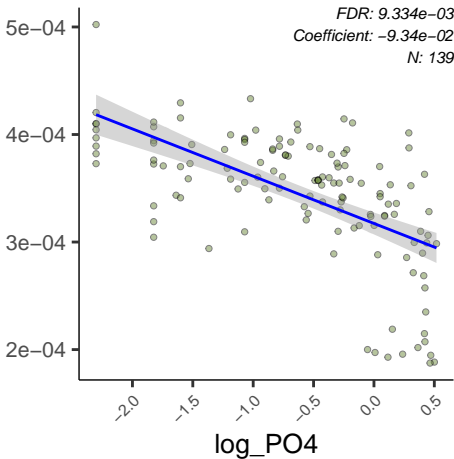


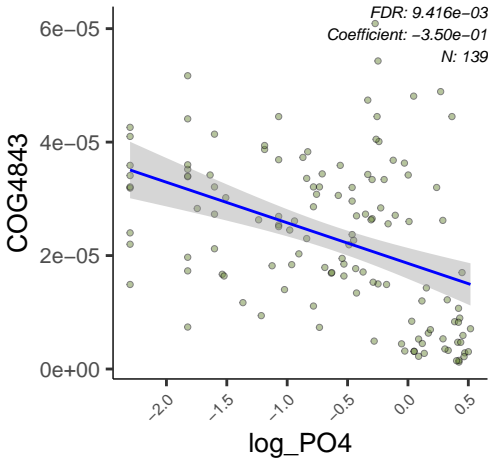


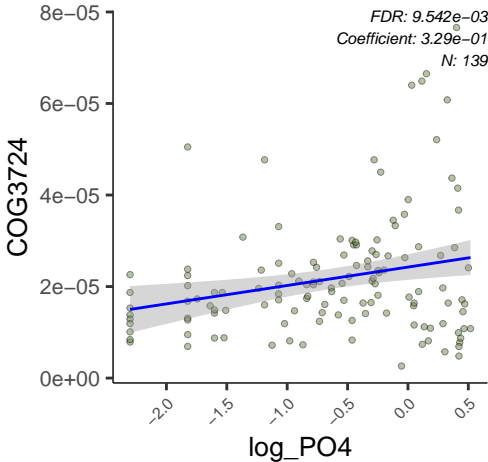
COG3114



COG2947







COG2813

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

0.00020

0.00015

0.00010

0.00005

-2.0

-1.5

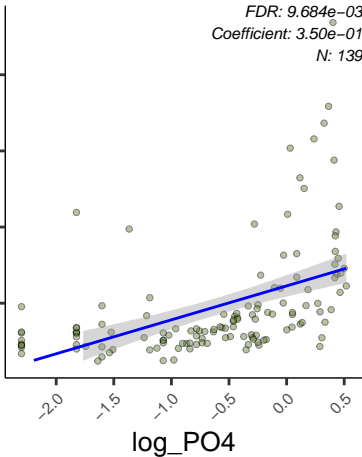
-1.0

-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

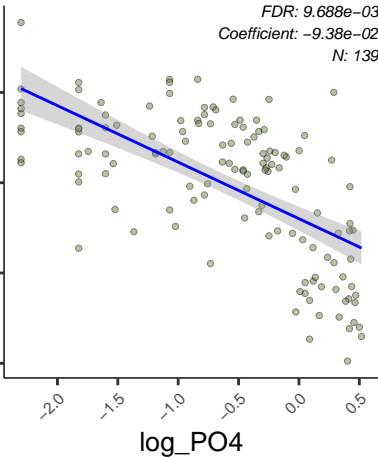
-1.0

-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

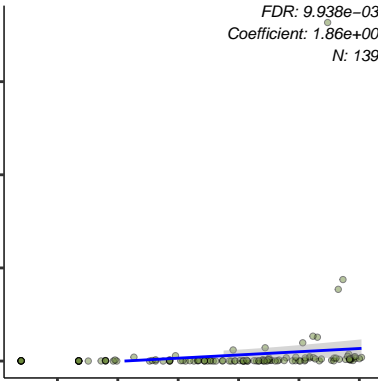
-1.0

-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

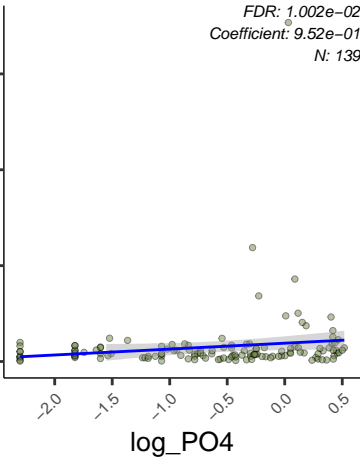
-1.0

-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

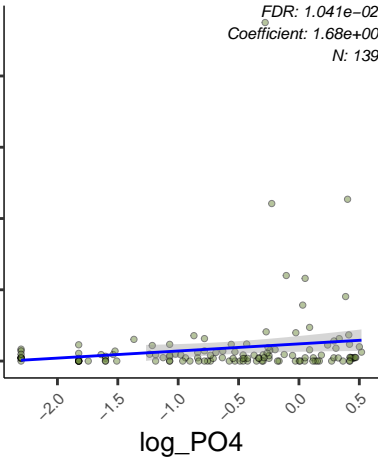
-1.0

-0.5

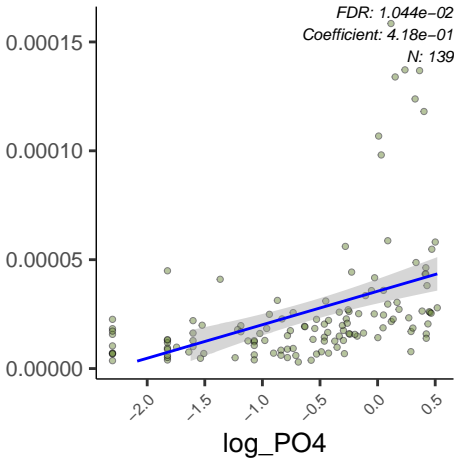
0.0

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

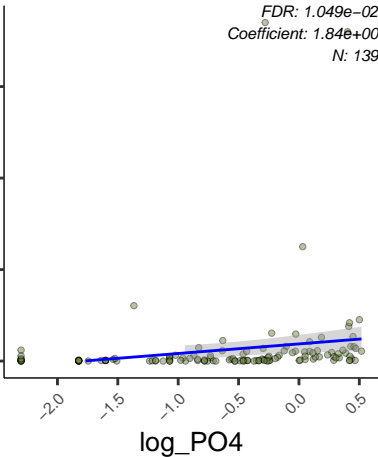
-1.0

-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

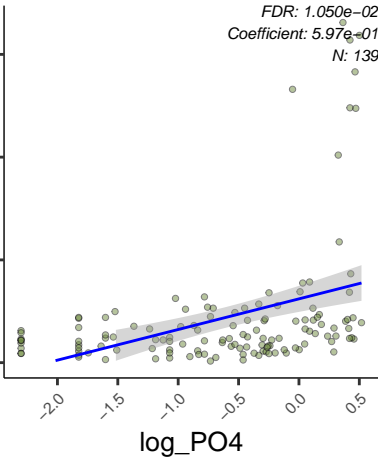
-1.0

-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

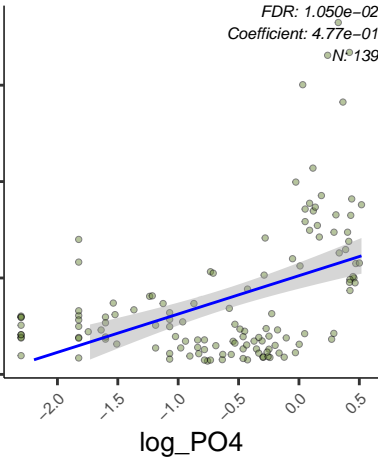
-1.0

-0.5

0.0

0.5

log_PO4



COG3079

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

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0.00010

0.00005

0.00000

-2.0

-1.5

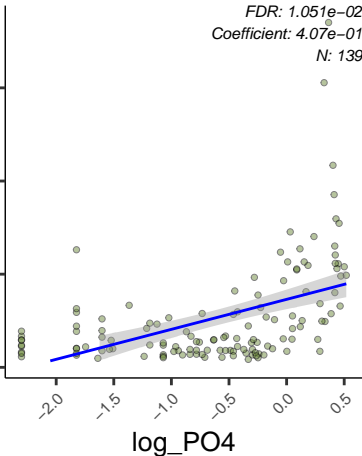
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-0.5

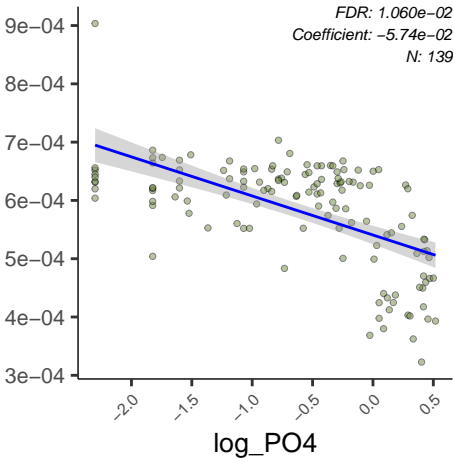
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0.5

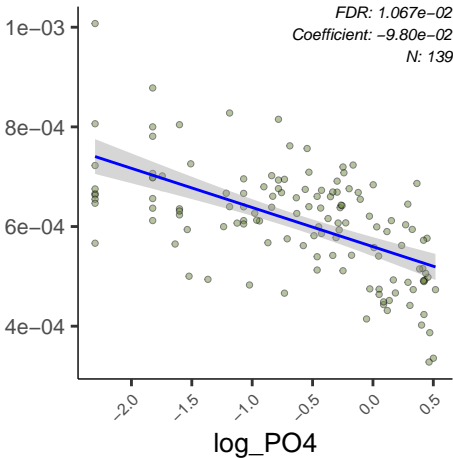
log_PO4



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

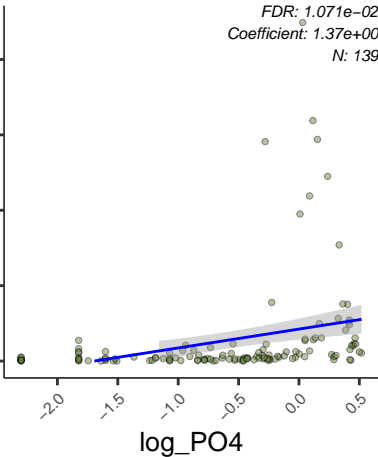
-1.0

-0.5

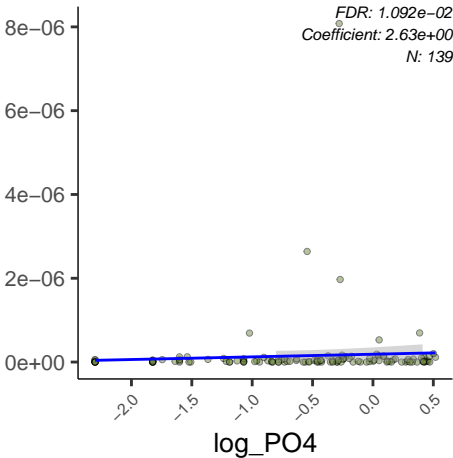
0.0

0.5

log_PO4



COG3567



COG2461

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

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0.00010

0.00005

0.00000

-2.0

-1.5

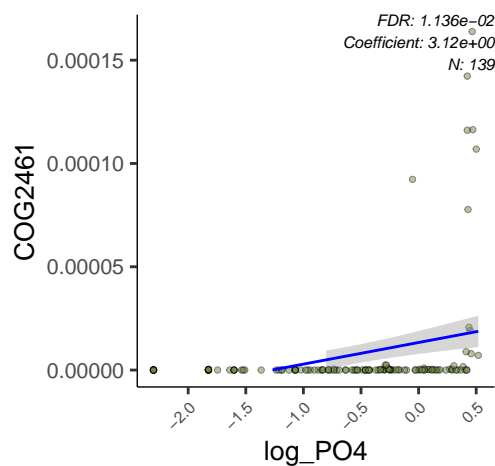
-1.0

-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

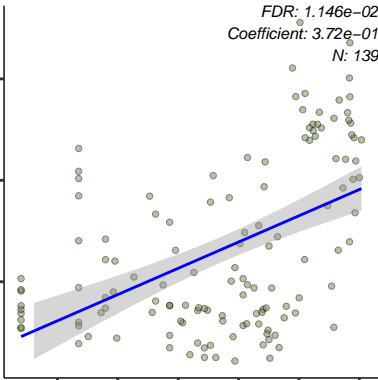
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-0.5

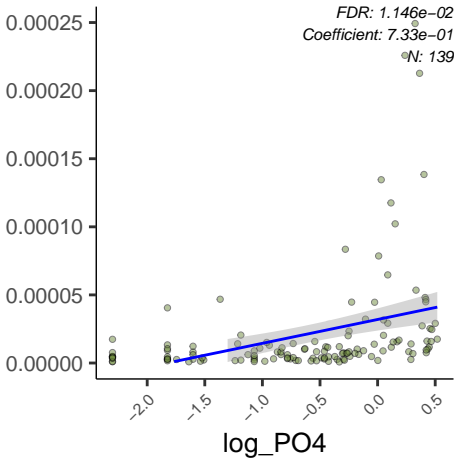
0.0

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

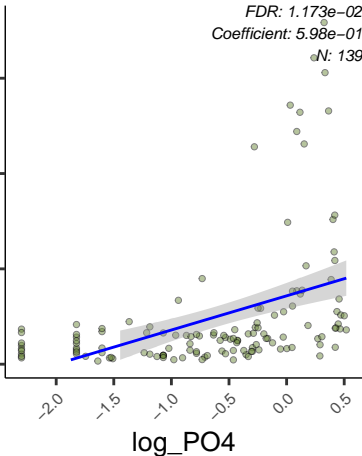
-1.0

-0.5

0.0

0.5

log_PO4



COG2703

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

-0.5

0.0

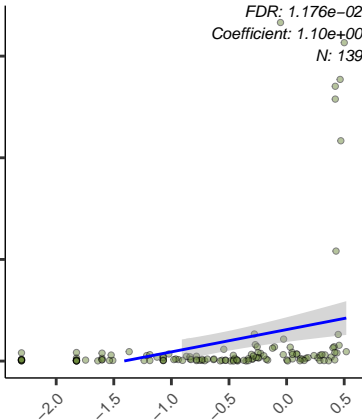
0.5

log_PO4

FDR: 1.176e-02

Coefficient: 1.10e+00

N: 139



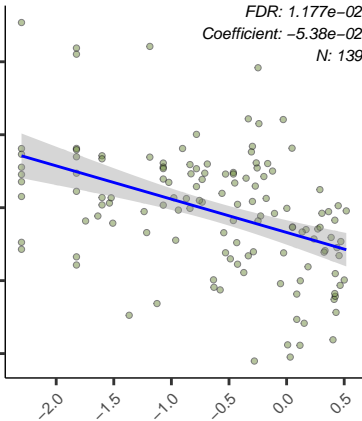
COG0024

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

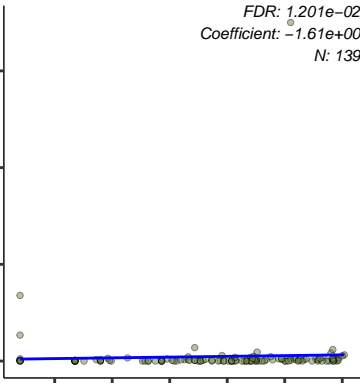
-1.0

-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

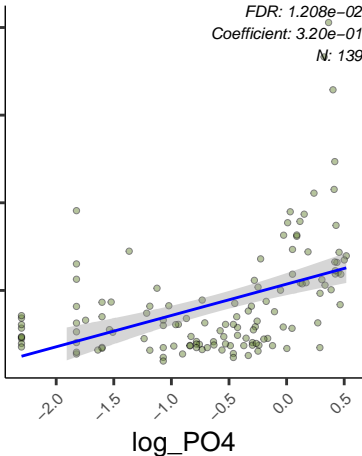
-1.0

-0.5

0.0

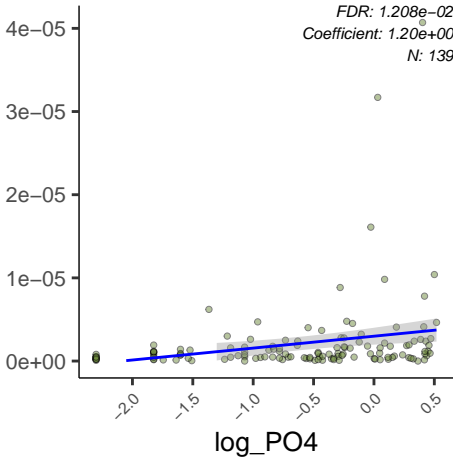
0.5

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

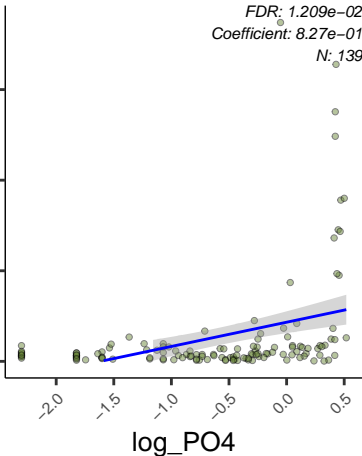
-1.0

-0.5

0.0

0.5

log_PO4



COG1877

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

-1.0

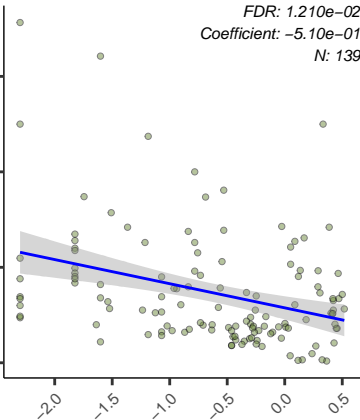
-0.5

0.0

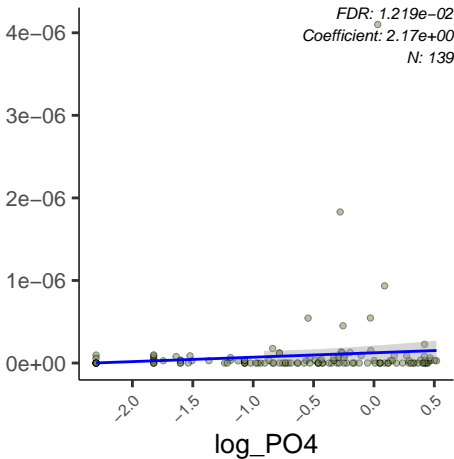
0.5

log_PO4

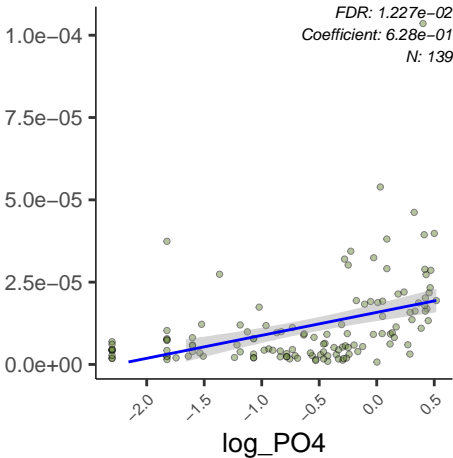
FDR: 1.210e-02
Coefficient: -5.10e-01
N: 139



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

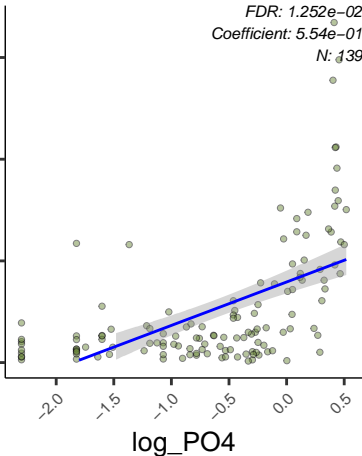
-1.0

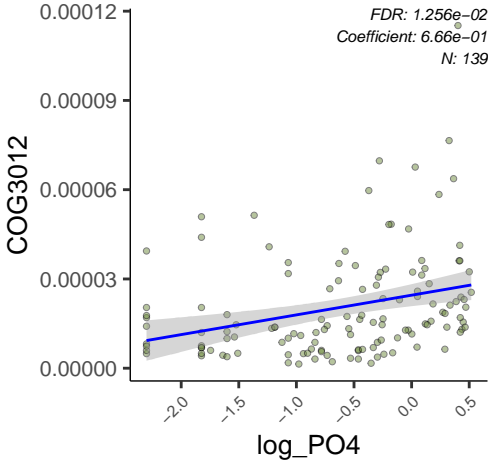
-0.5

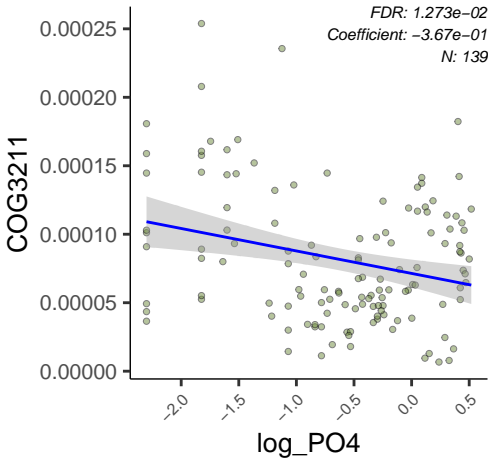
0.0

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

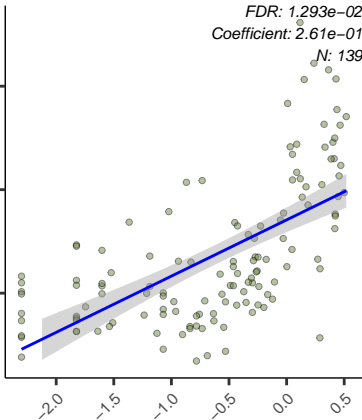
-1.0

-0.5

0.0

0.5

log_PO4



COG0580

FDR: 1.315e-02
Coefficient: -2.44e-01
N: 139

6e-04

4e-04

2e-04

-2.0

-1.5

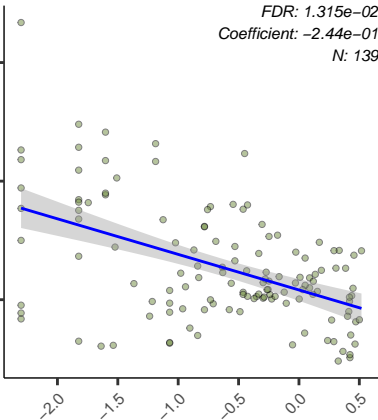
-1.0

-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

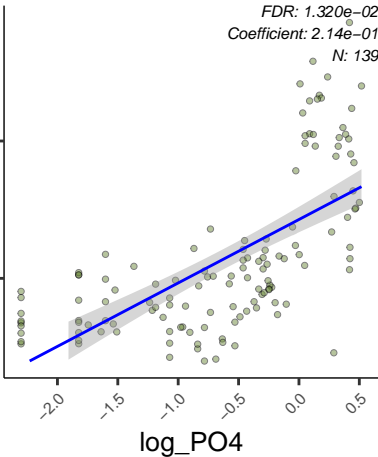
-1.0

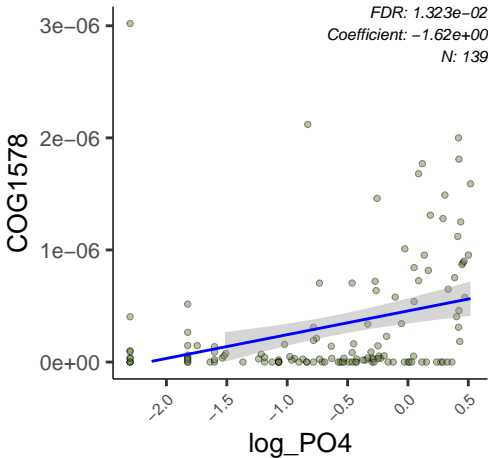
-0.5

0.0

0.5

log_PO4





COG0359

FDR: 1.328e-02

Coefficient: -5.32e-02

N: 139

6e-04

5e-04

4e-04

3e-04

-2.0

-1.5

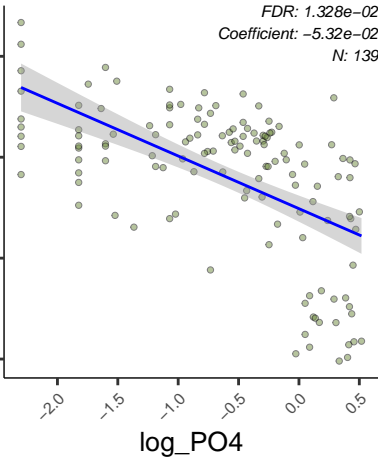
-1.0

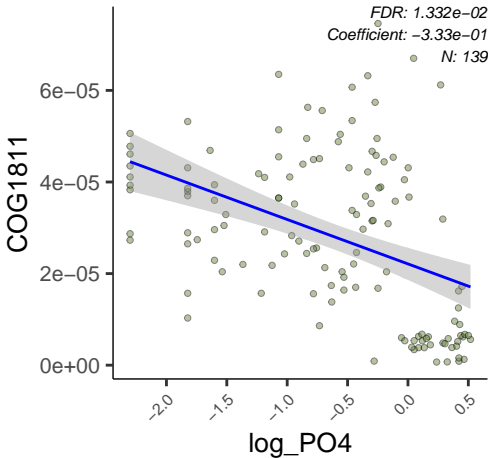
-0.5

0.0

0.5

log_PO4





COG1444

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

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

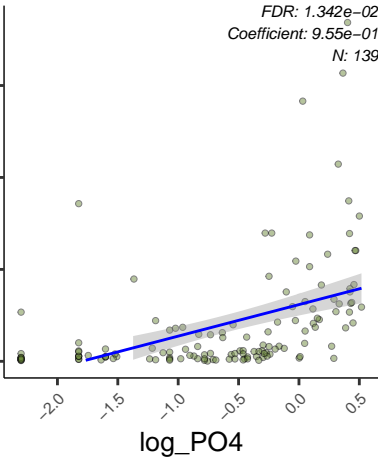
-1.0

-0.5

0.0

0.5

log_PO4



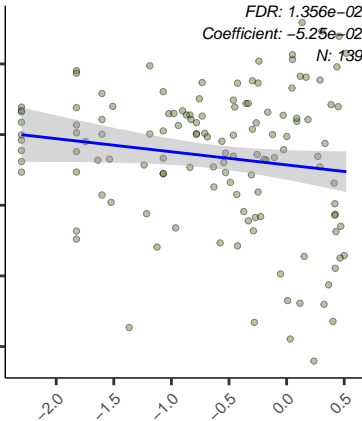
COG0343

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: $1.356e-02$
Coefficient: $-5.25e-02$
N: 139



COG1643

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

3e-04

2e-04

1e-04

-2.0

-1.5

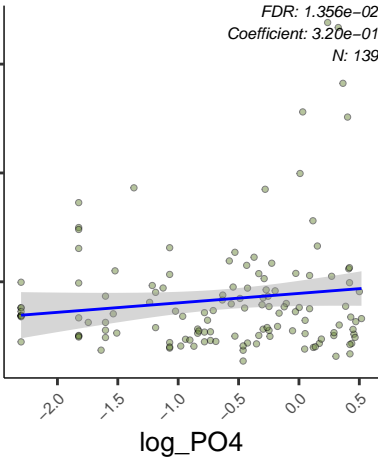
-1.0

-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

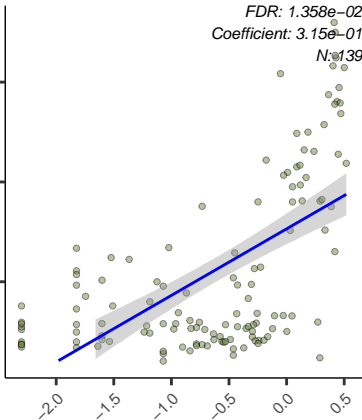
-1.0

-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

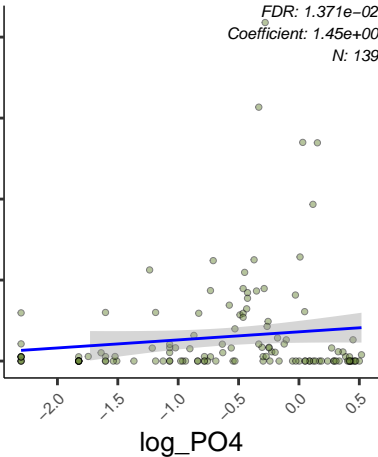
-1.0

-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

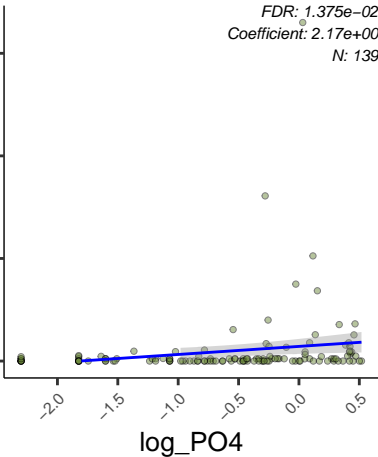
-1.0

-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

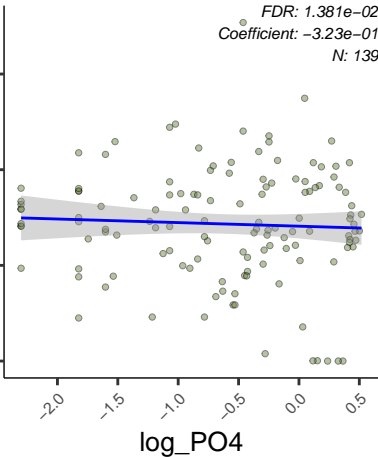
-1.0

-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

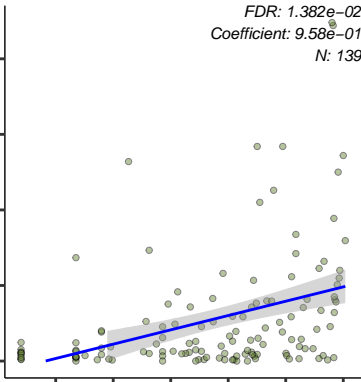
-1.0

-0.5

0.0

0.5

log_PO4



COG1802

FDR: 1.392e-02
Coefficient: 3.35e-01
N: 139

6e-04

4e-04

2e-04

-2.0

-1.5

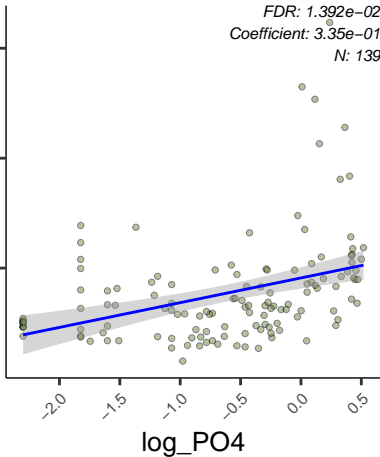
-1.0

-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

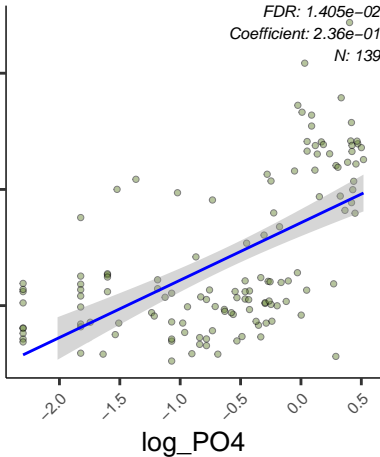
-1.0

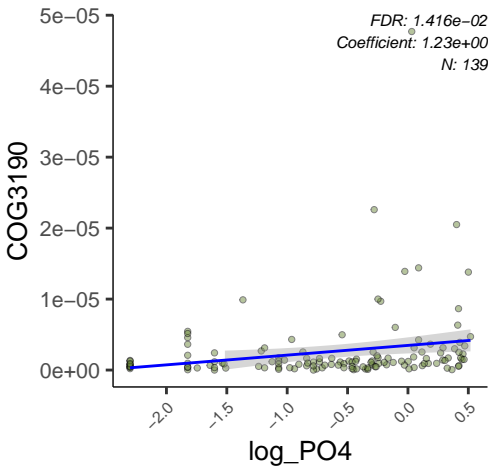
-0.5

0.0

0.5

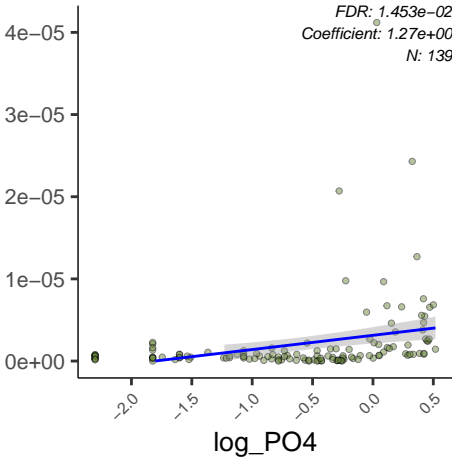
log_PO4

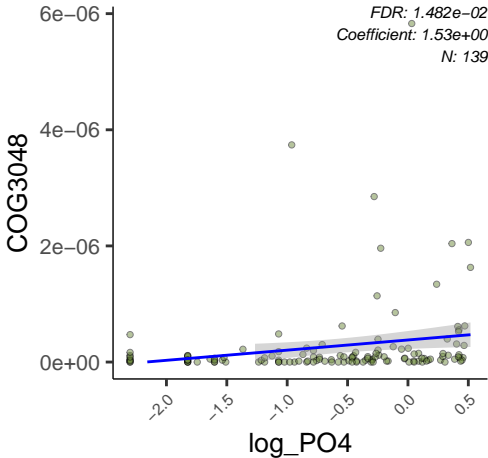


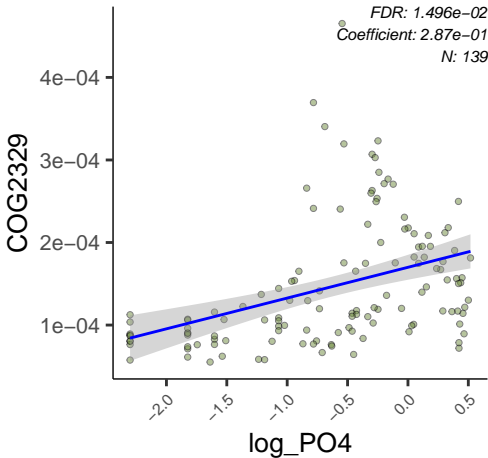


COG4967

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

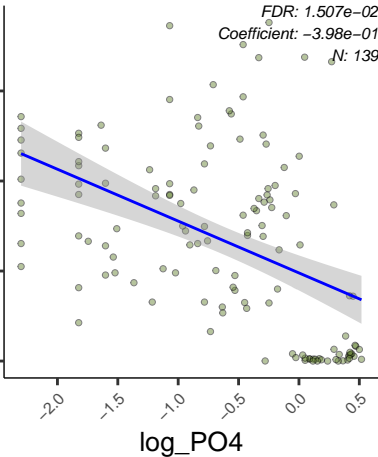
-1.0

-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

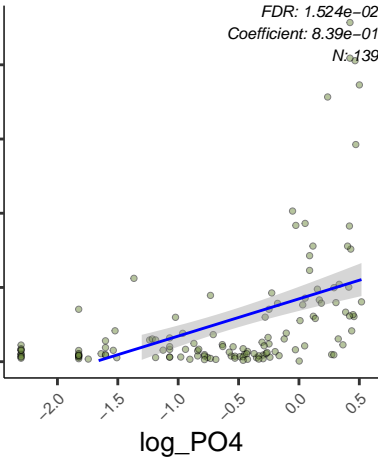
-1.0

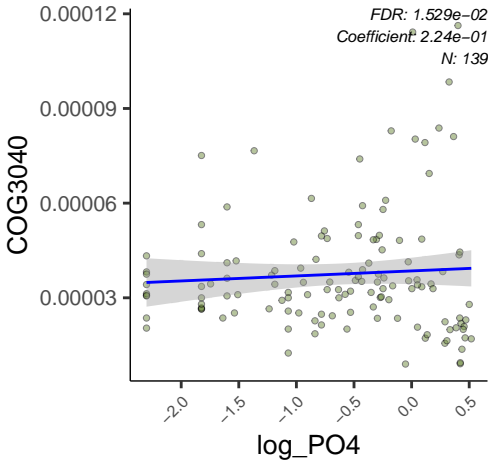
-0.5

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

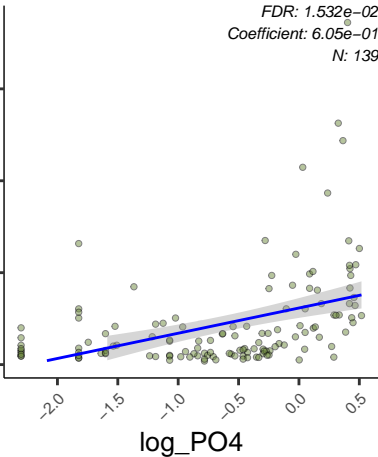
-1.0

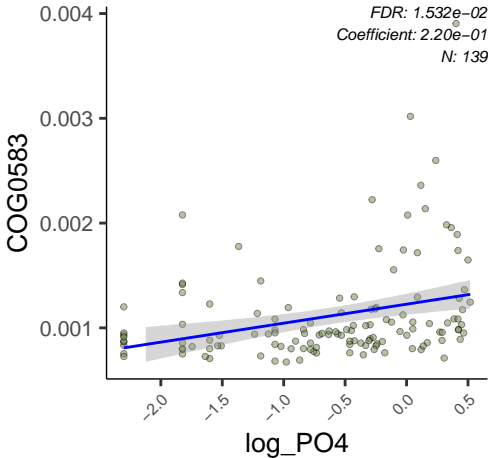
-0.5

0.0

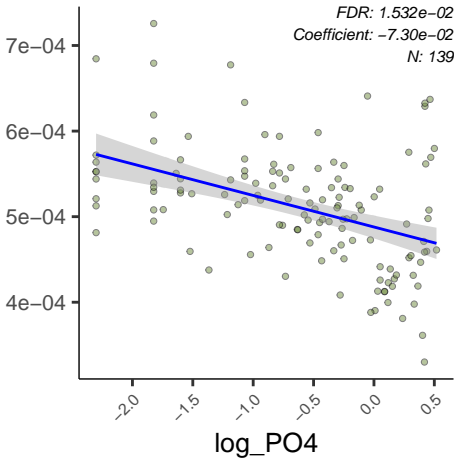
0.5

log_PO4

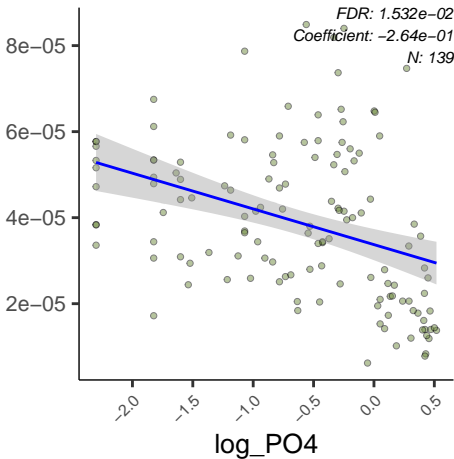




COG0723



COG2340



COG2761

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

2e-04

1e-04

-2.0

-1.5

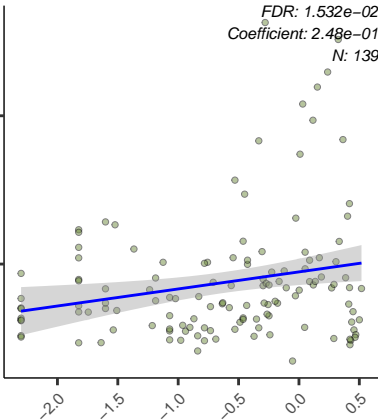
-1.0

-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

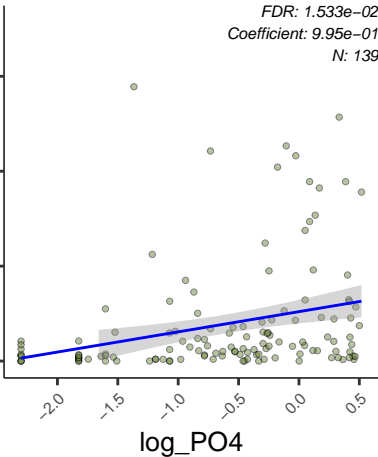
-1.0

-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

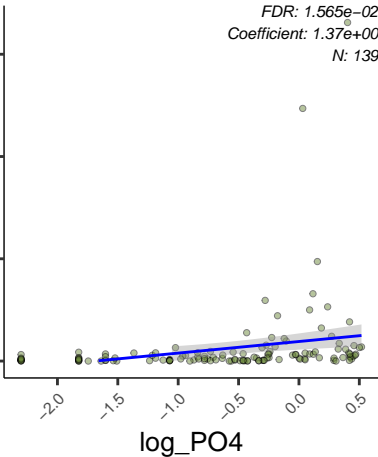
-1.0

-0.5

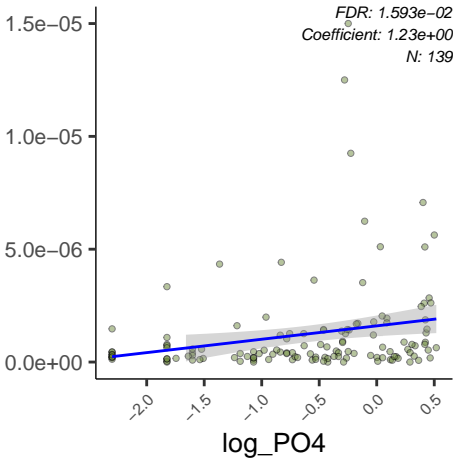
0.0

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

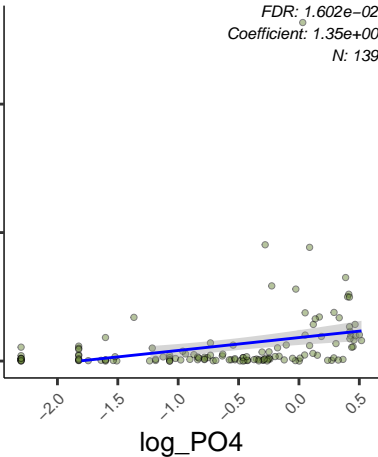
-1.0

-0.5

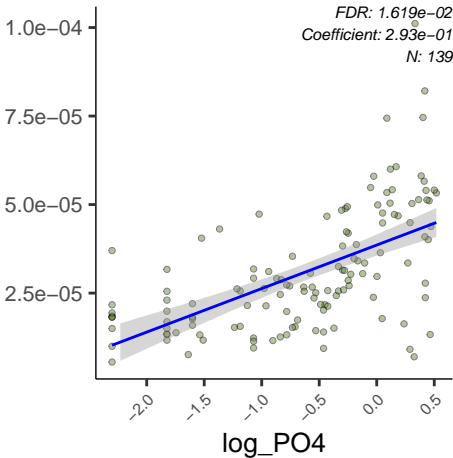
0.0

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

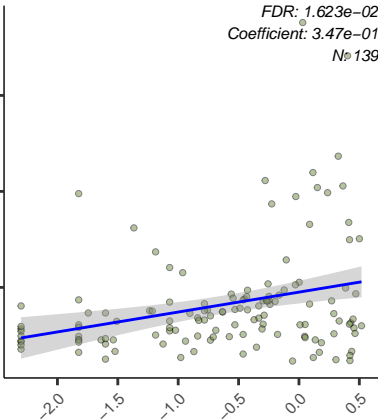
-1.0

-0.5

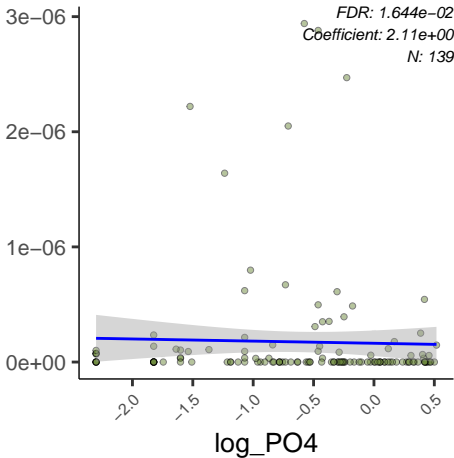
0.0

0.5

log_PO4



COG4044



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

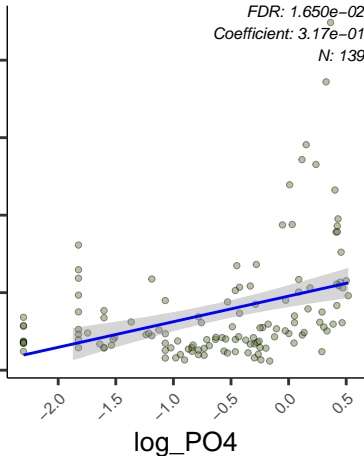
-1.0

-0.5

0.0

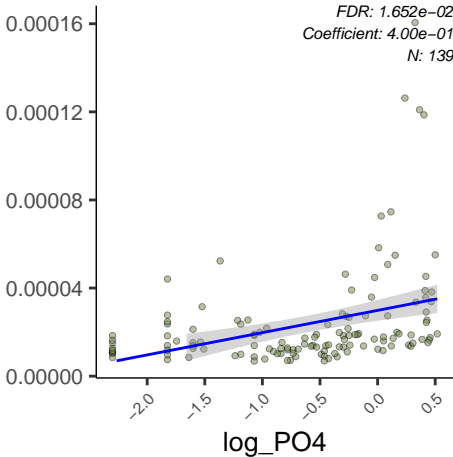
0.5

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

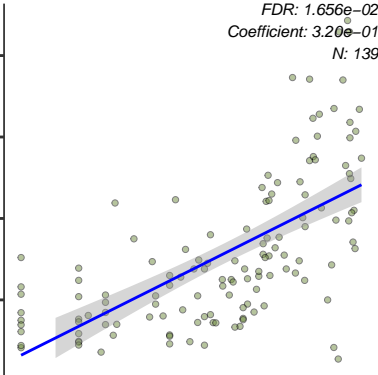
-1.0

-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

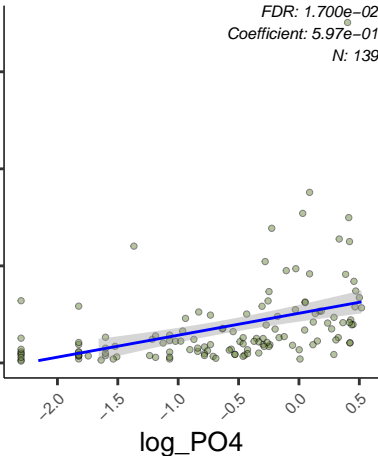
-1.0

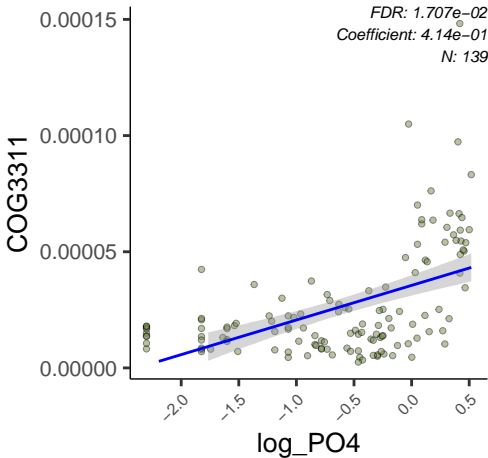
-0.5

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

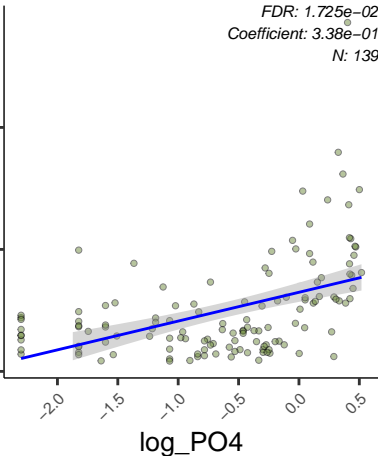
-1.0

-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

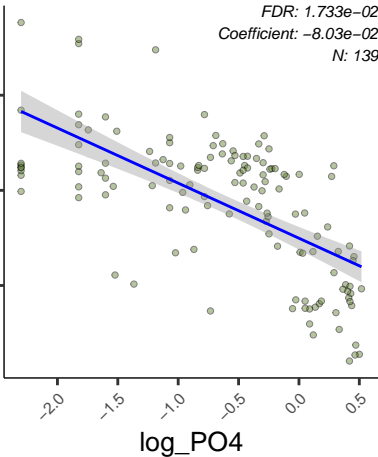
-1.0

-0.5

0.0

0.5

log_PO4



COG3039

FDR: 1.739×10^{-2}
Coefficient: 7.26×10^{-1}
N: 139

4×10^{-4}

2×10^{-4}

0×10^0

-2.0

-1.5

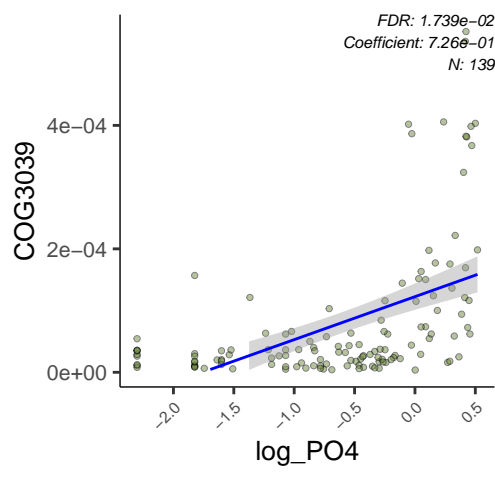
-1.0

-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

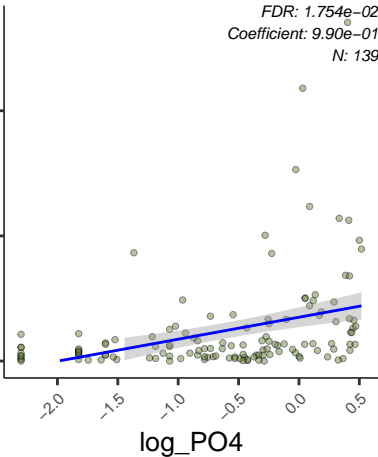
-1.0

-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

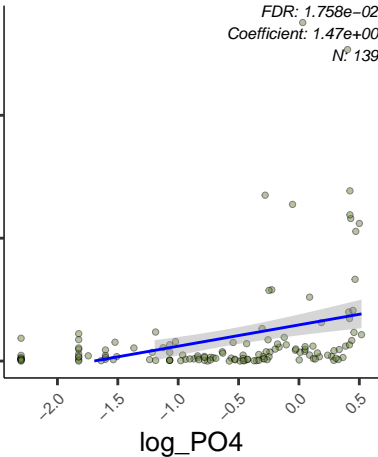
-1.0

-0.5

0.0

0.5

log_PO4



COG2747

FDR: 1.764e-02
Coefficient: 1.05e+00
N: 139

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

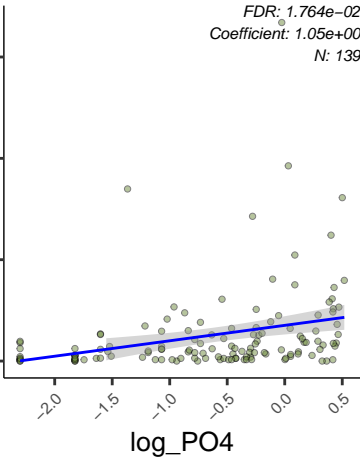
-1.0

-0.5

0.0

0.5

log_PO4



COG1246

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

0.00012

0.00008

0.00004

0.00000

-2.0

-1.5

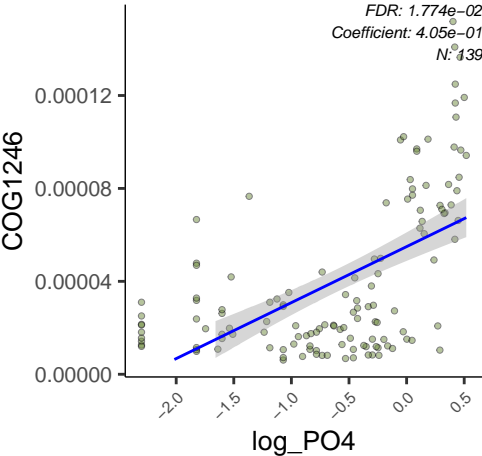
-1.0

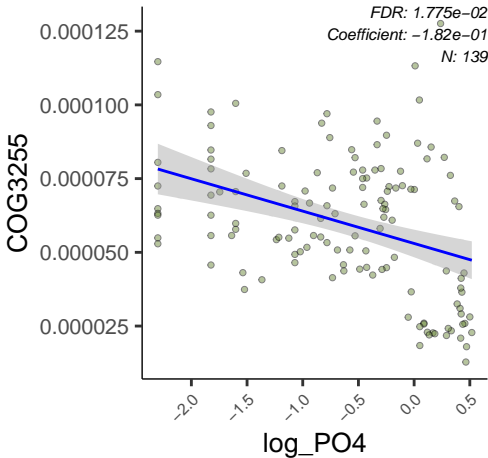
-0.5

0.0

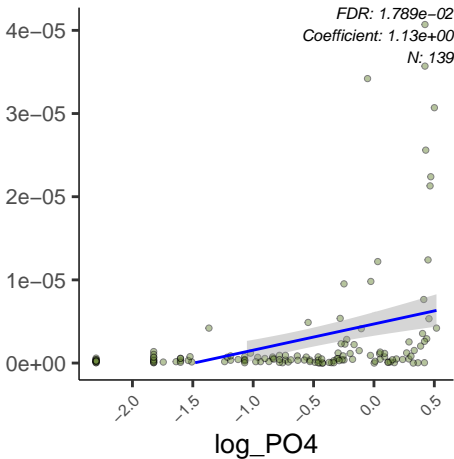
0.5

log_PO4





COG3154



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

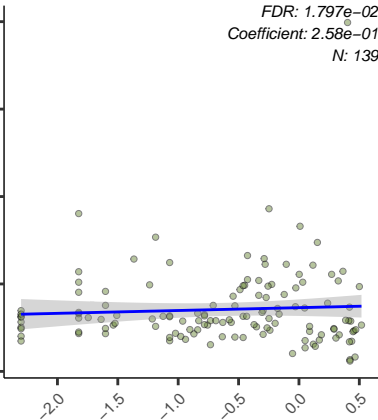
-1.0

-0.5

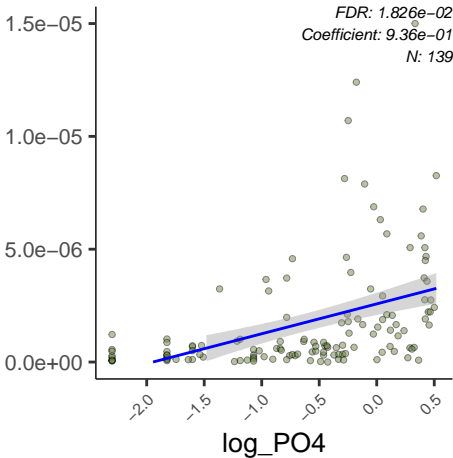
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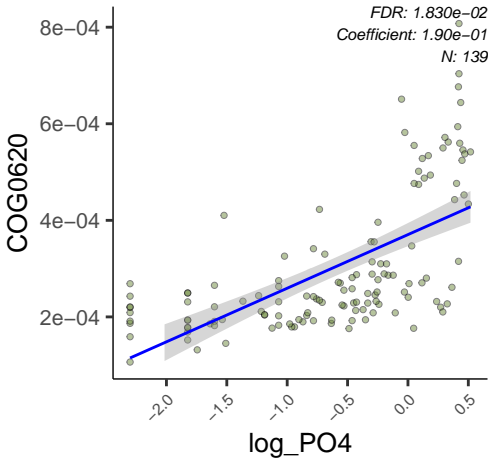
0.5

log_PO4



COG4804





COG0310

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

-2.0

-1.5

-1.0

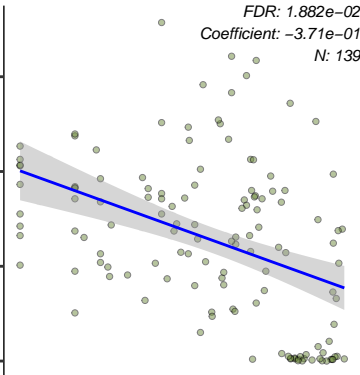
-0.5

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

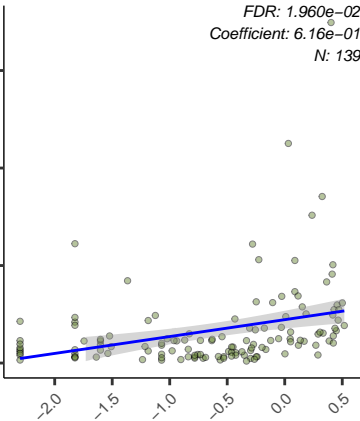
-1.0

-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

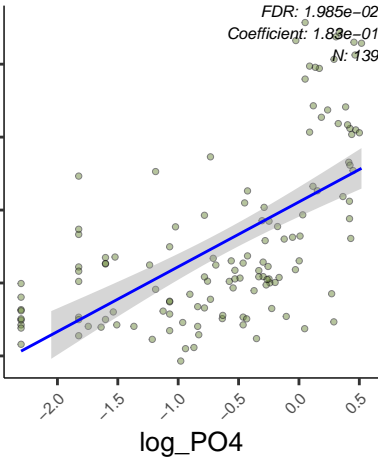
-1.0

-0.5

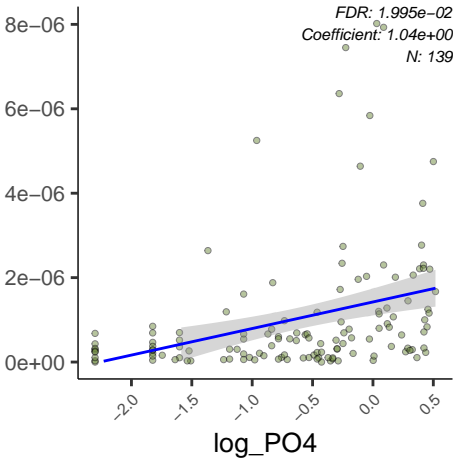
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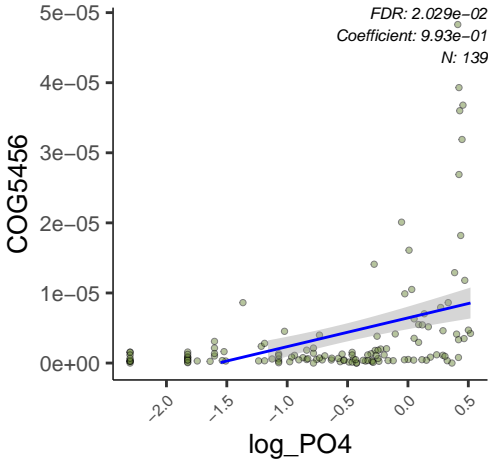
0.5

log_PO4



COG3322





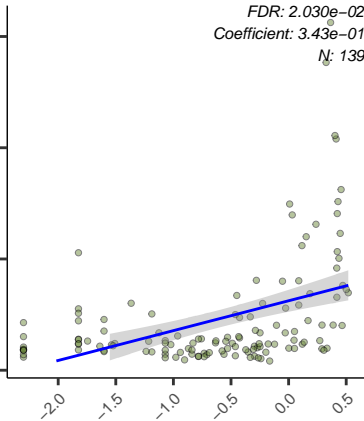
COG2915

0.00015
0.00010
0.00005
0.00000

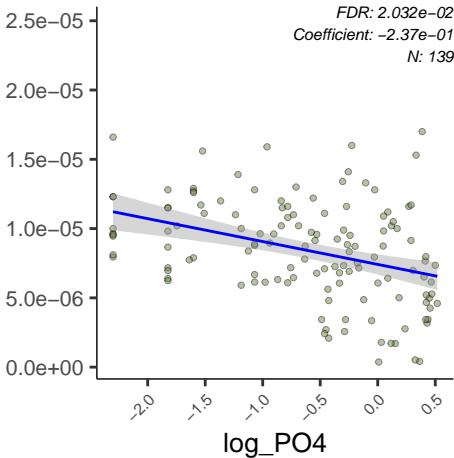
-2.0 -1.5 -1.0 -0.5 0.0 0.5

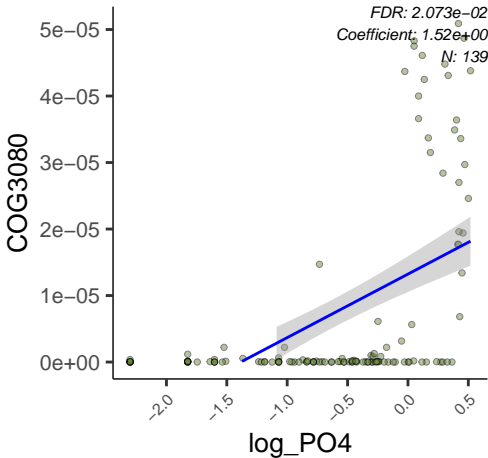
log_PO4

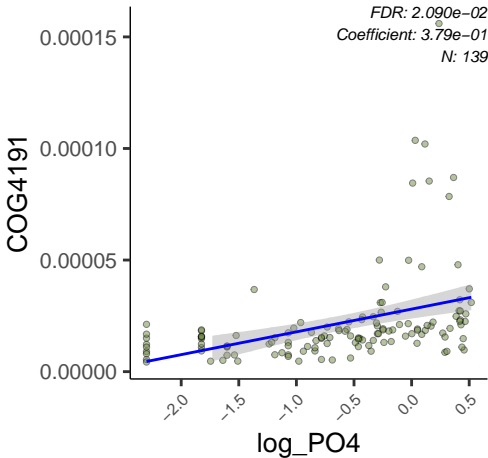
FDR: 2.030e-02
Coefficient: 3.43e-01
N: 139



COG4246







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

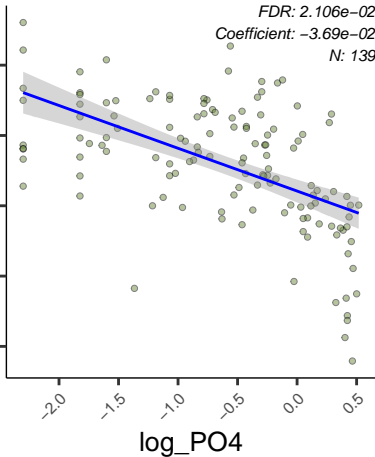
-1.0

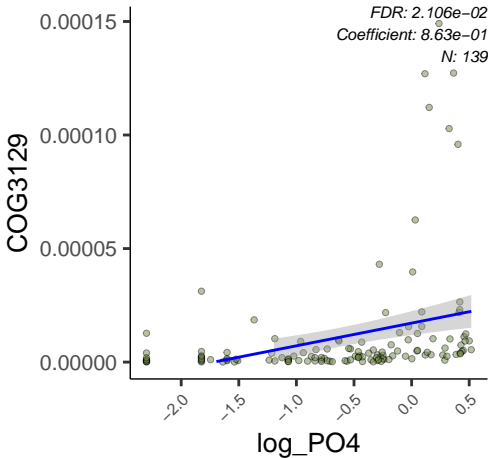
-0.5

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

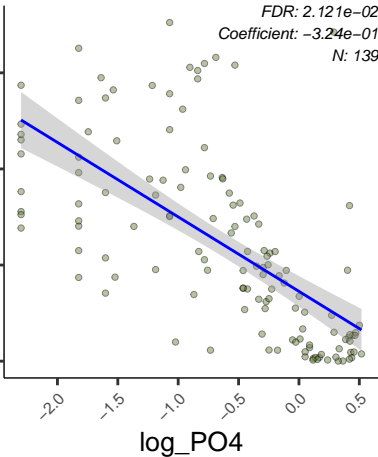
-1.0

-0.5

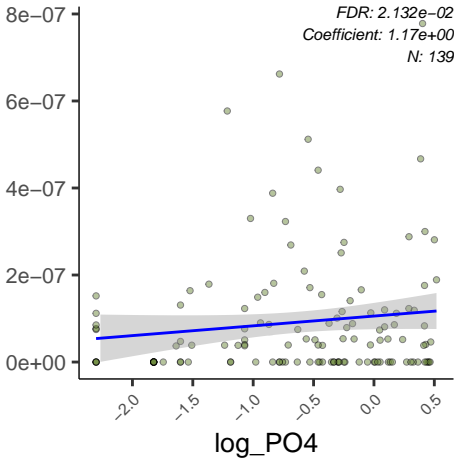
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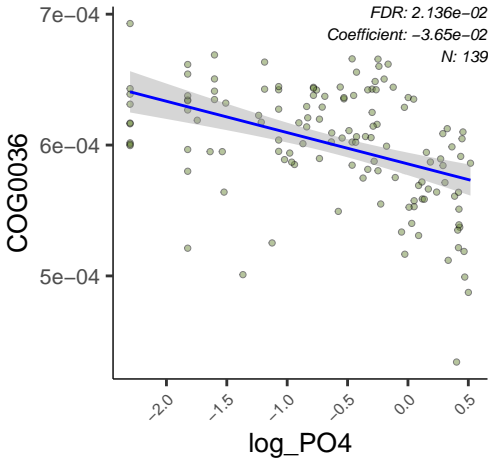
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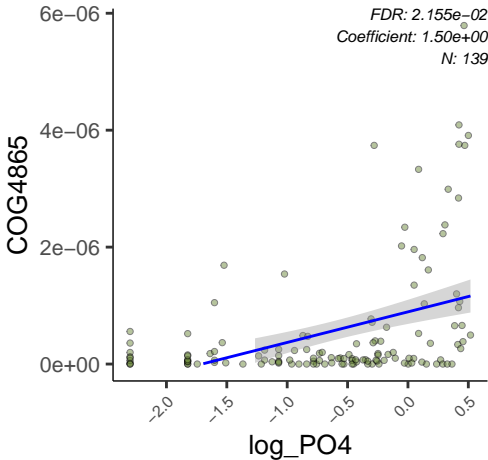
log_PO4



COG4449







COG3248

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

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

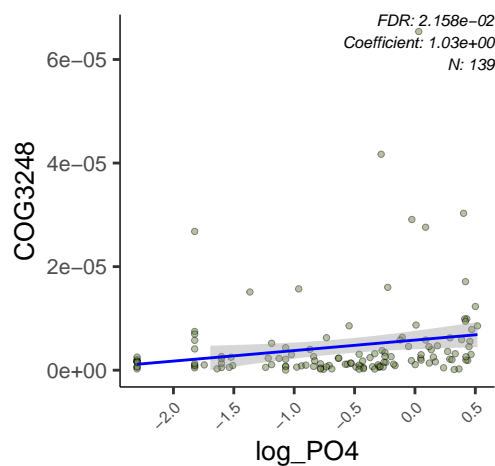
-1.0

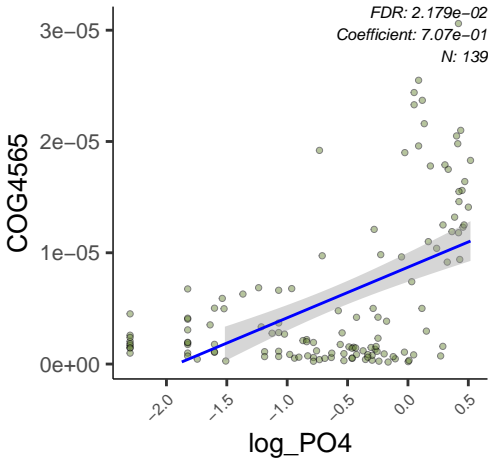
-0.5

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

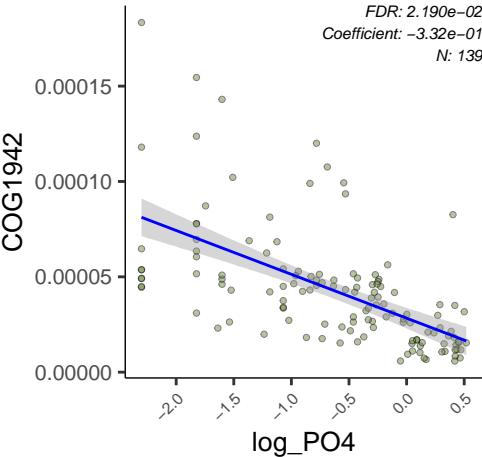
-1.0

-0.5

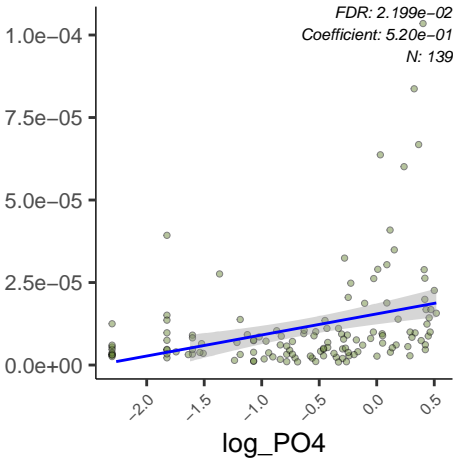
0.0

0.5

log_PO4



COG3026



COG4551

FDR: 2.199e-02
Coefficient: 9.24e-01
N: 139

1e-05

5e-06

0e+00

-2.0

-1.5

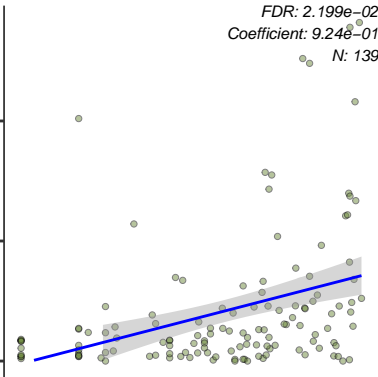
-1.0

-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

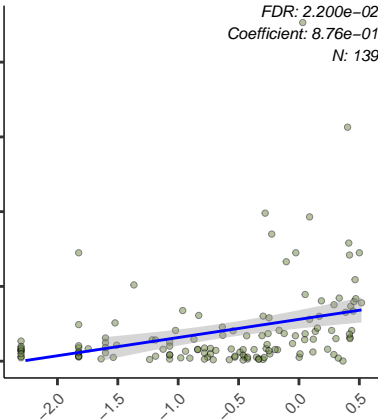
-1.0

-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

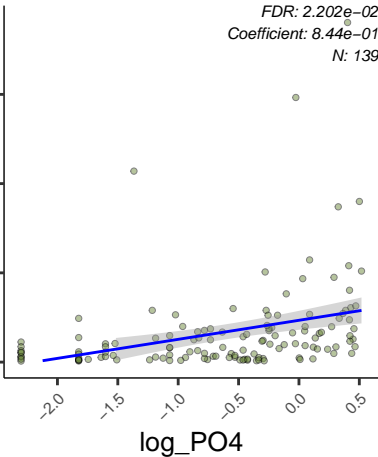
-1.0

-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

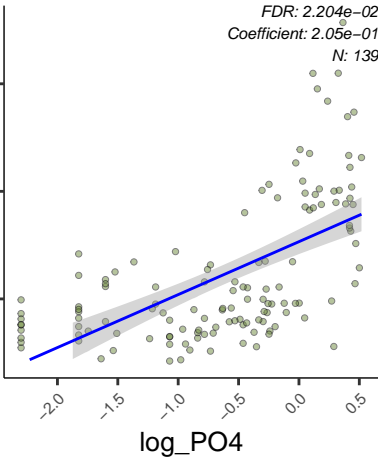
-1.0

-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

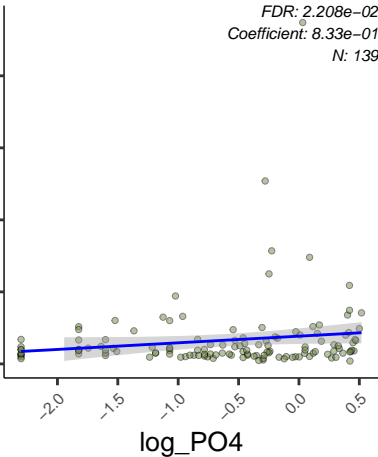
-1.0

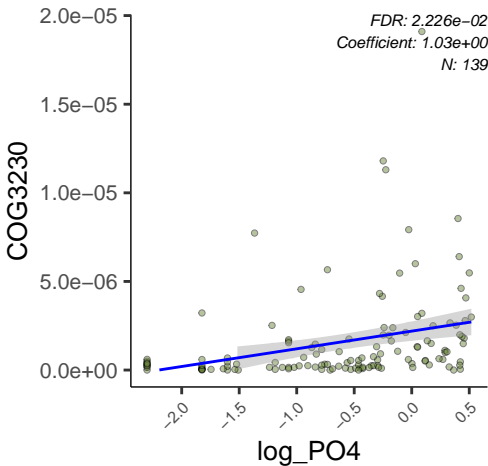
-0.5

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

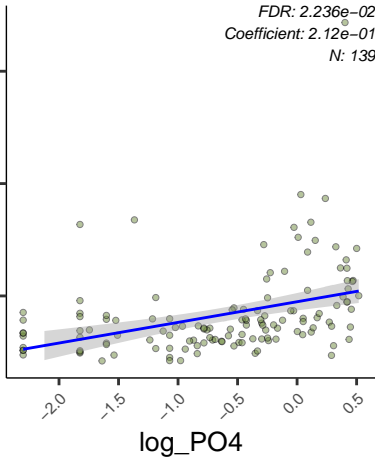
-1.0

-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

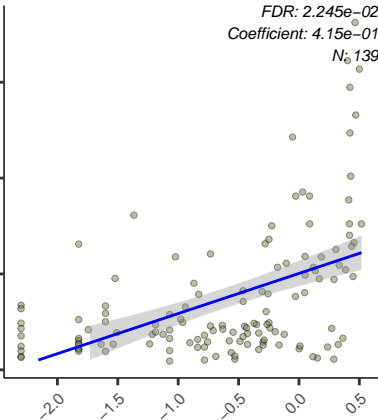
-1.0

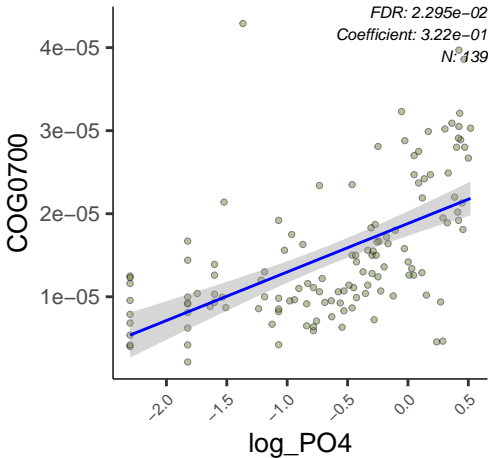
-0.5

0.0

0.5

log_PO4





COG2838

0.00020

0.00015

0.00010

0.00005

-2.0

-1.5

-1.0

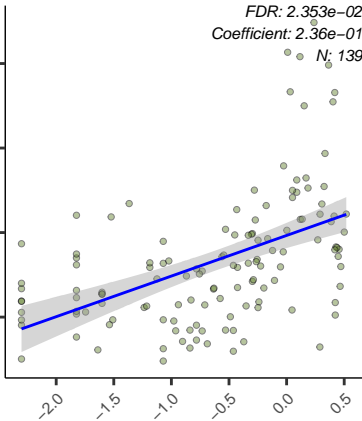
-0.5

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

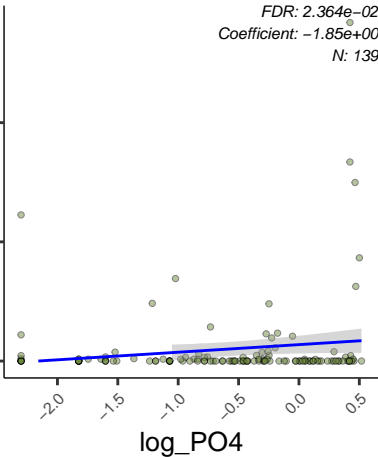
-1.0

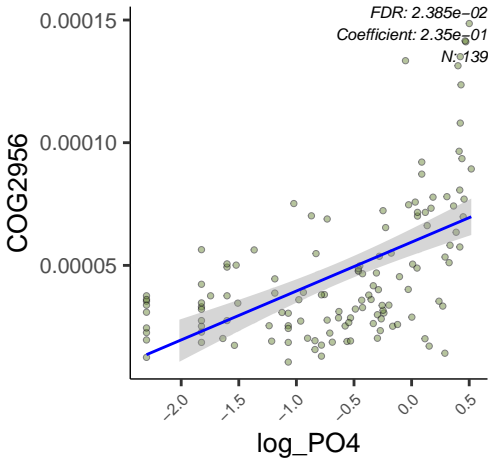
-0.5

0.0

0.5

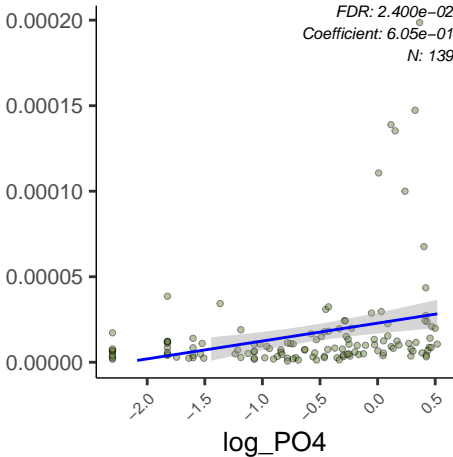
log_PO4





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

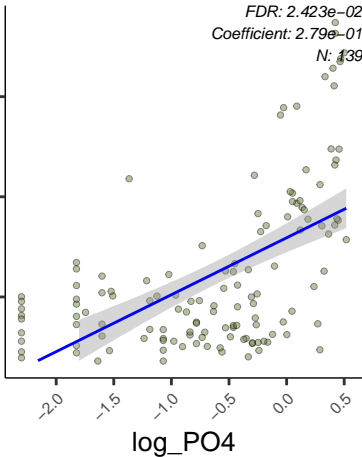
-1.0

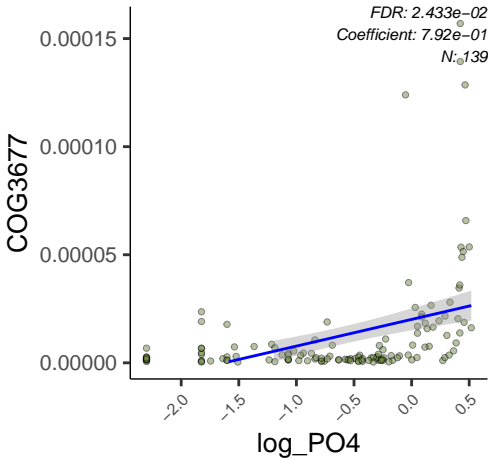
-0.5

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

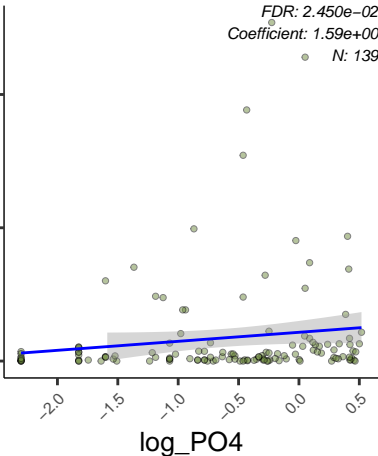
-1.0

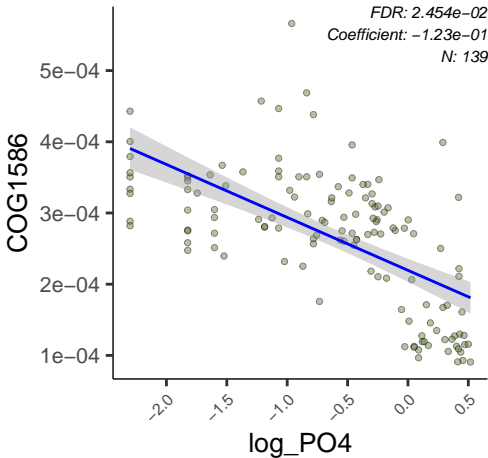
-0.5

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

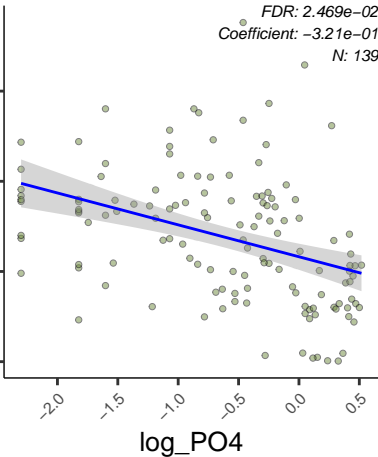
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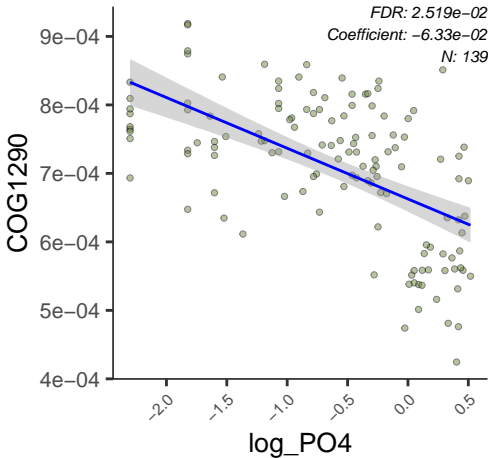
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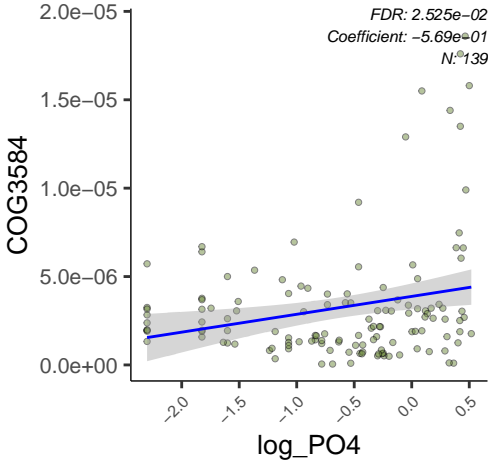
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0.5

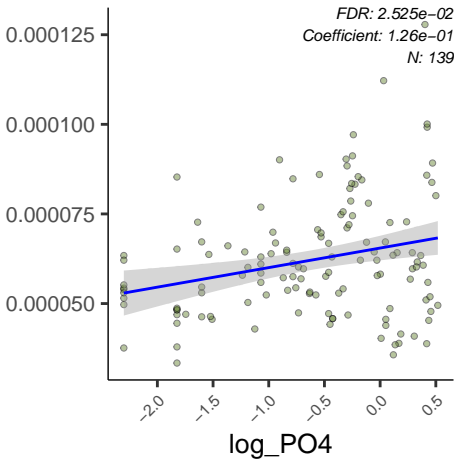
log_PO4







COG4096



COG5004

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

9e-06

6e-06

3e-06

0e+00

log_PO4

-2.0

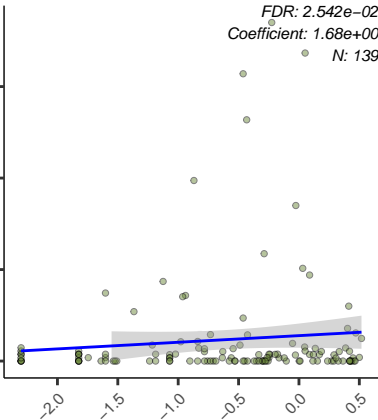
-1.5

-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

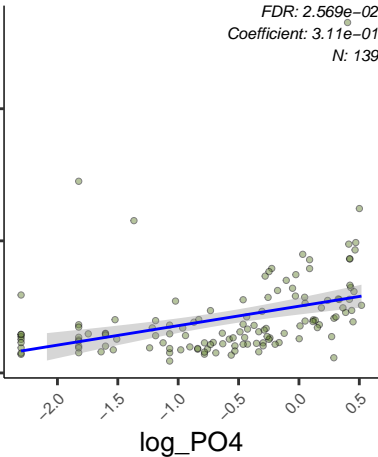
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-0.5

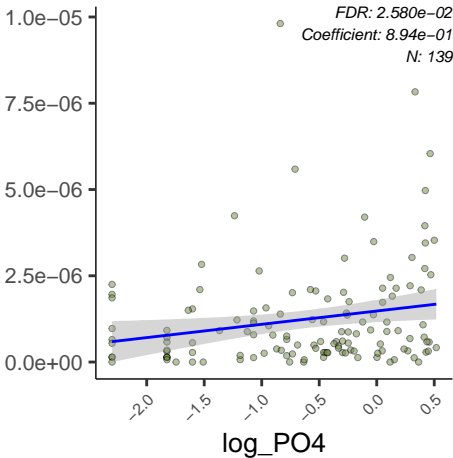
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0.5

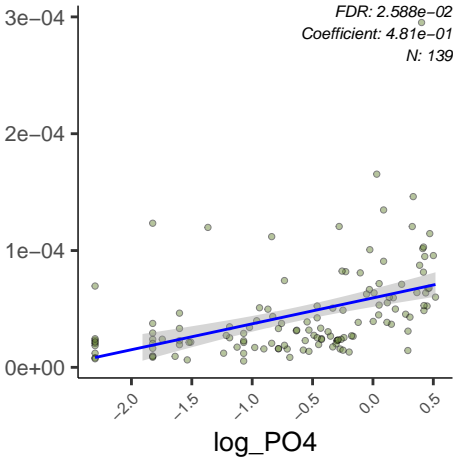
log_PO4



COG4634



COG3712



COG0592

FDR: 2.588e-02

Coefficient: -5.59e-02

N: 139

8e-04

7e-04

6e-04

-2.0

-1.5

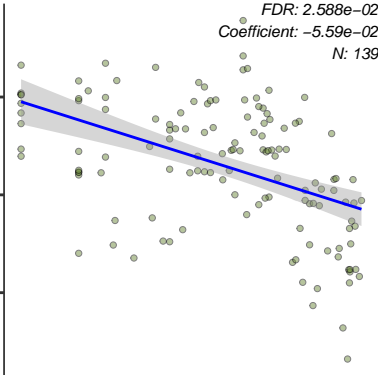
-1.0

-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

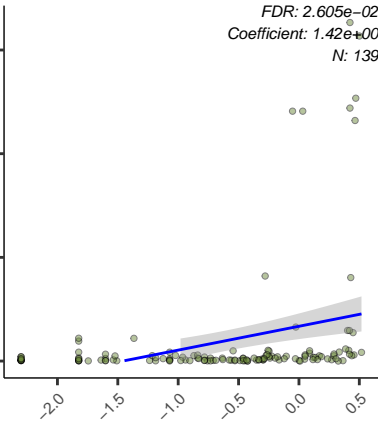
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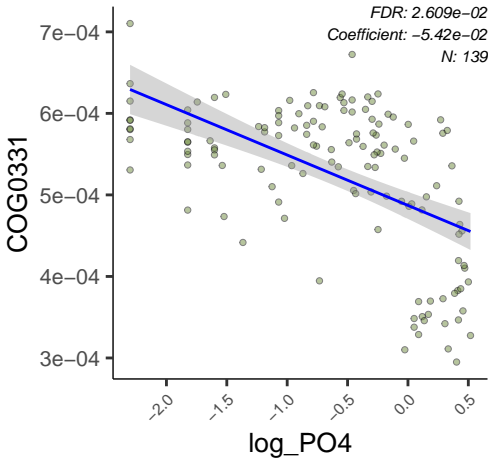
-0.5

0.0

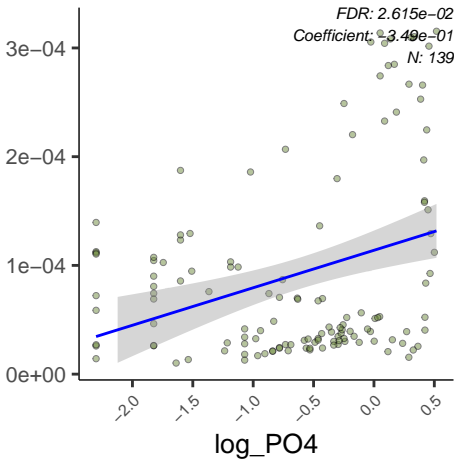
0.5

log_PO4





COG1819



COG4132

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

1e-05

5e-06

0e+00

log_PO4

-2.0

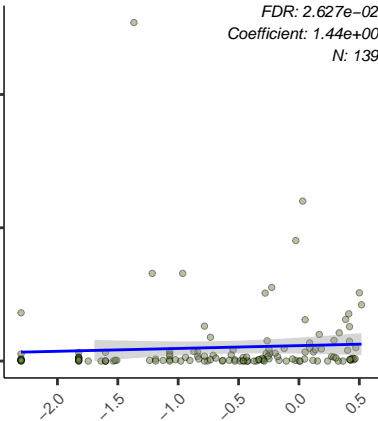
-1.5

-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

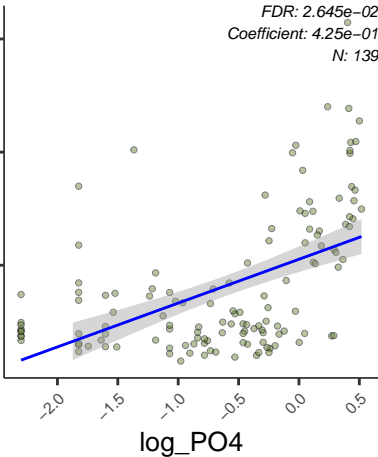
-1.0

-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

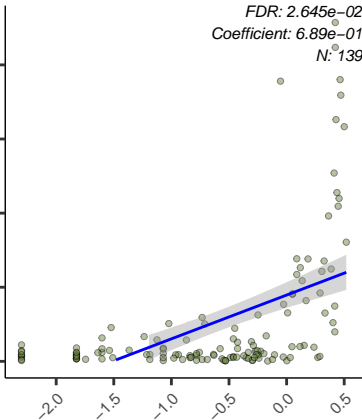
-1.0

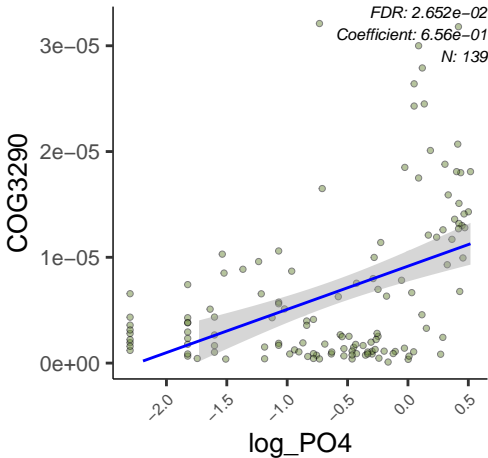
-0.5

0.0

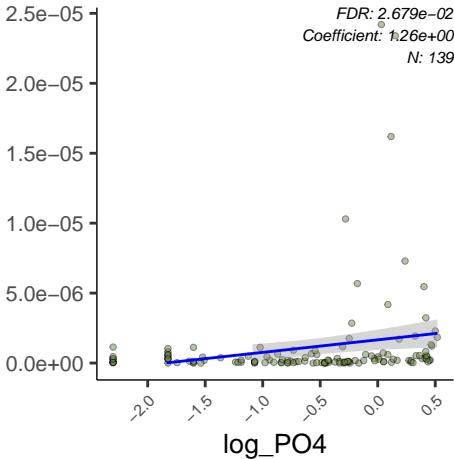
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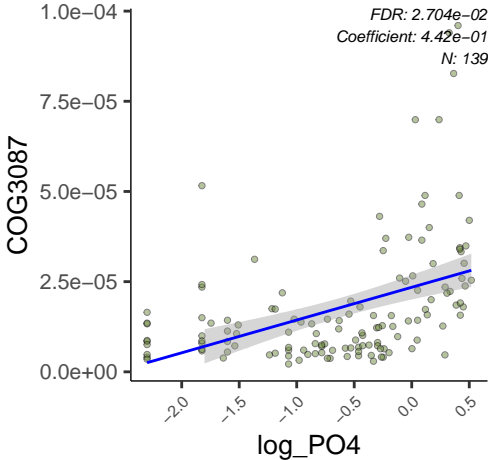
log_PO4





COG4455





COG2137

0.00020
0.00015
0.00010

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

-2.0

-1.5

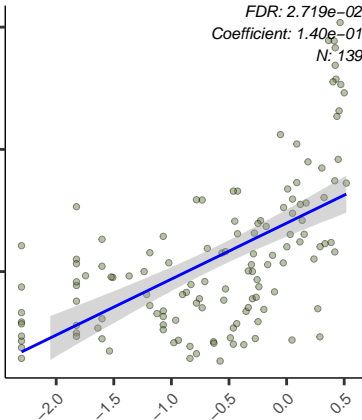
-1.0

-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

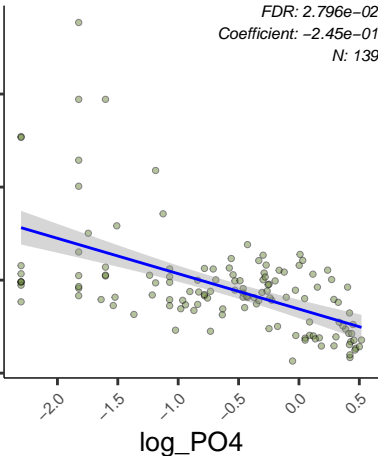
-1.0

-0.5

0.0

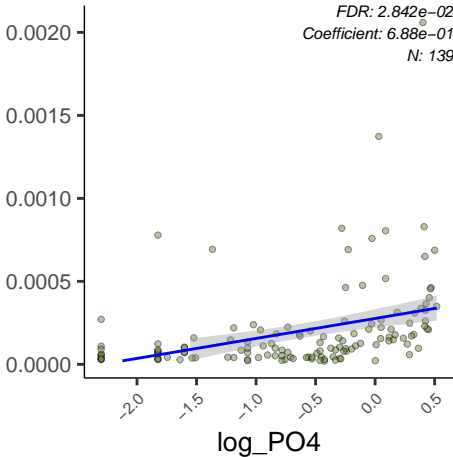
0.5

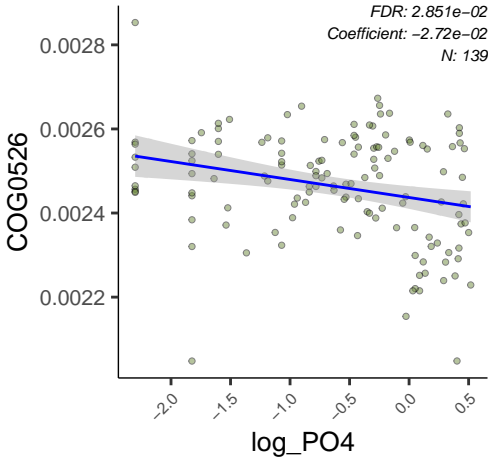
log_PO4



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

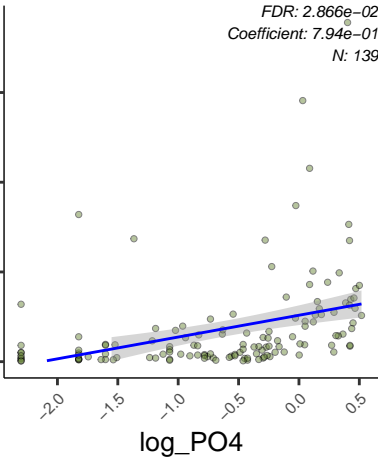
-1.0

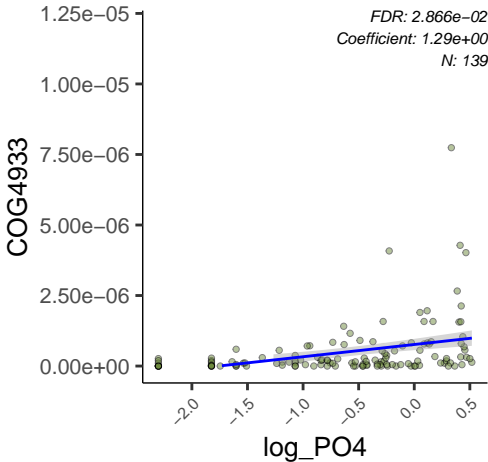
-0.5

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

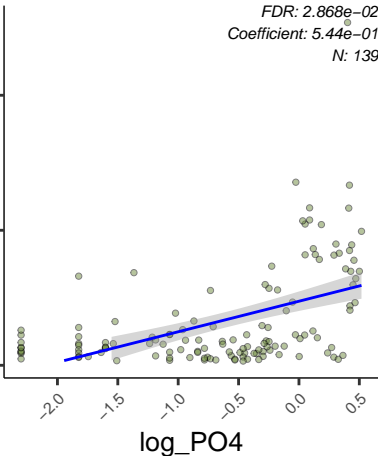
-1.0

-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

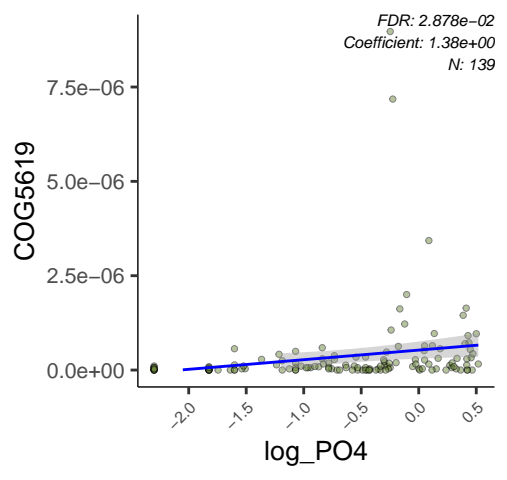
-1.0

-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

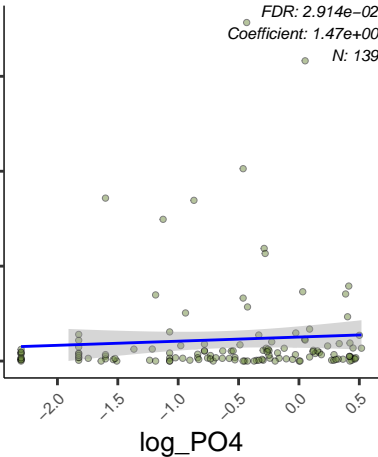
-1.0

-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

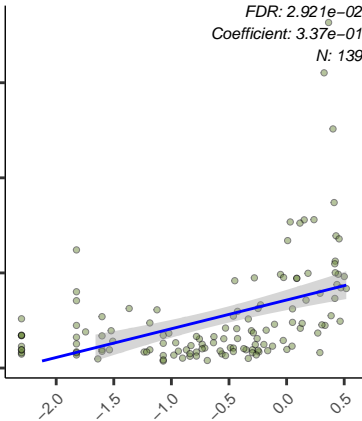
-1.0

-0.5

0.0

0.5

log_PO4



COG0785

FDR: 2.929e-02

Coefficient: -7.84e-02

N: 139

4e-04

3e-04

2e-04

-2.0

-1.5

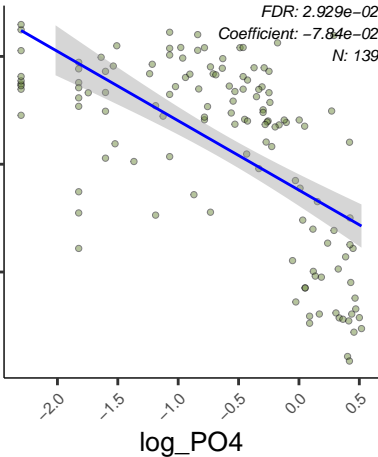
-1.0

-0.5

0.0

0.5

log_PO4



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

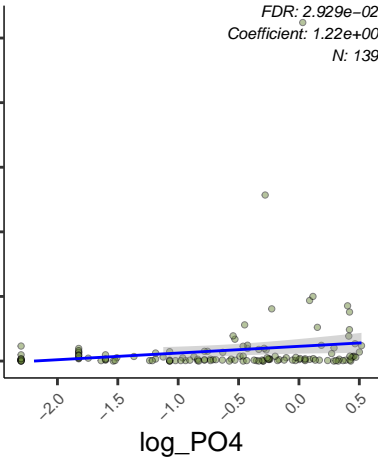
-1.0

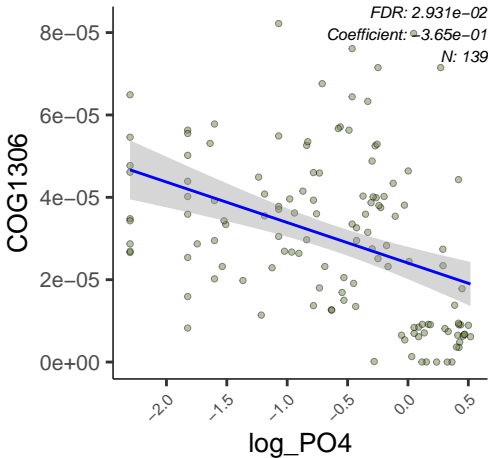
-0.5

0.0

0.5

log_PO4





COG0254

FDR: 2.972e-02

Coefficient: -5.52e-02

N: 139

6e-04

5e-04

4e-04

3e-04

-2.0

-1.5

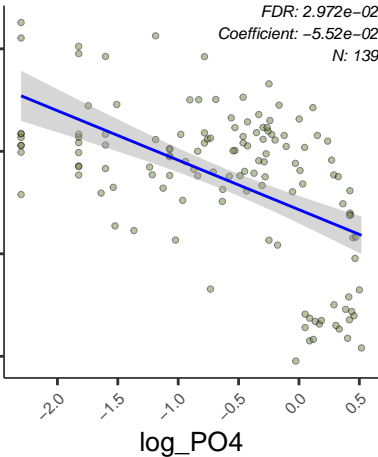
-1.0

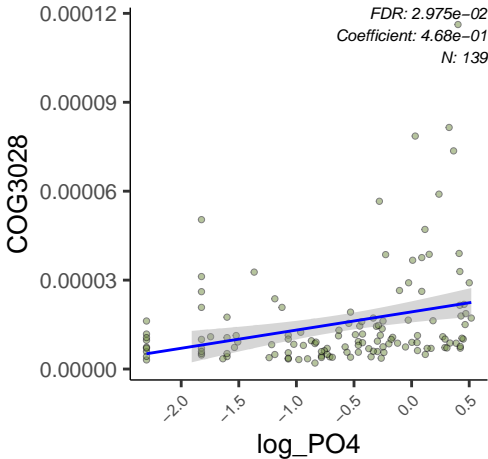
-0.5

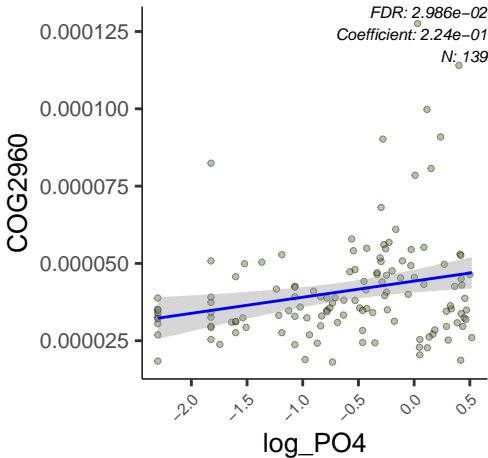
0.0

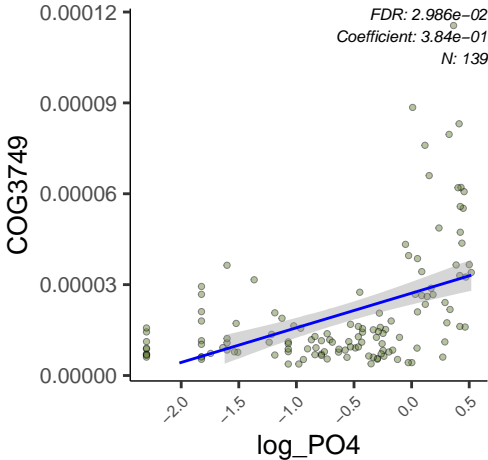
0.5

log_PO4









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

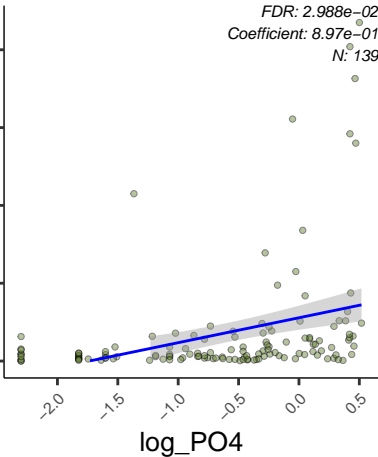
-1.0

-0.5

0.0

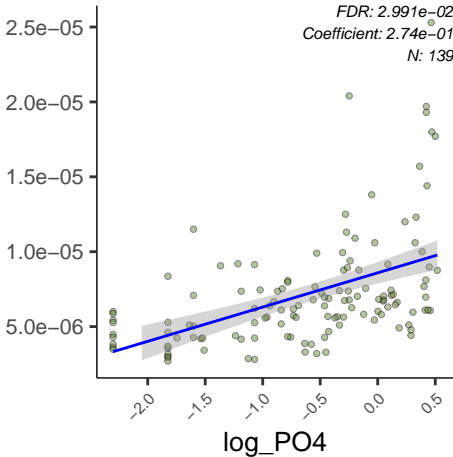
0.5

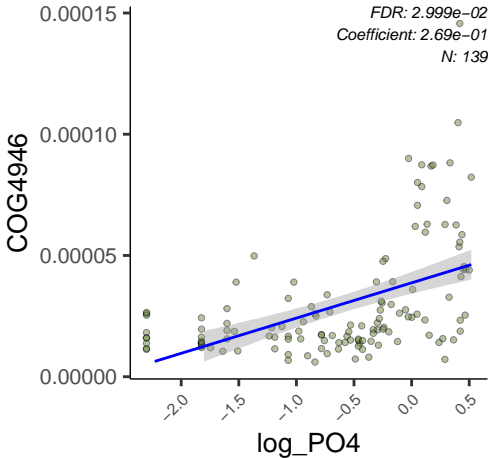
log_PO4



COG3586

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



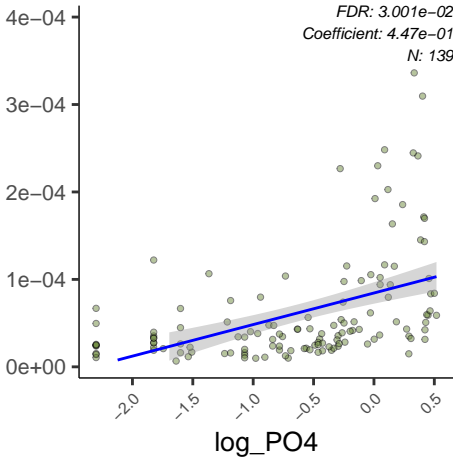


COG3279

FDR: 3.001e-02

Coefficient: 4.47e-01

N: 139



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

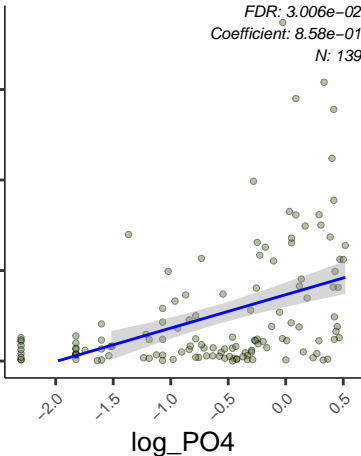
-1.0

-0.5

0.0

0.5

log_PO4



COG0121

FDR: 3.012×10^{-2}
Coefficient: 4.96×10^{-1}
N: 139

7.5×10^{-5}

5.0×10^{-5}

2.5×10^{-5}

0.0×10^0

-2.0

-1.5

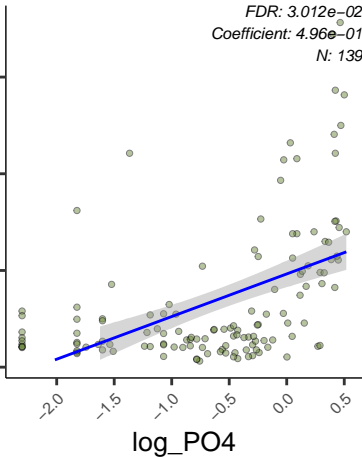
-1.0

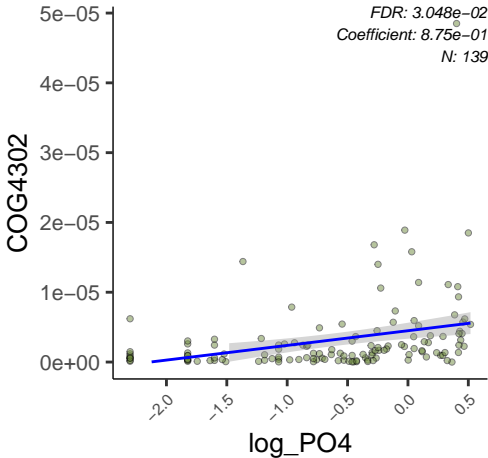
-0.5

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

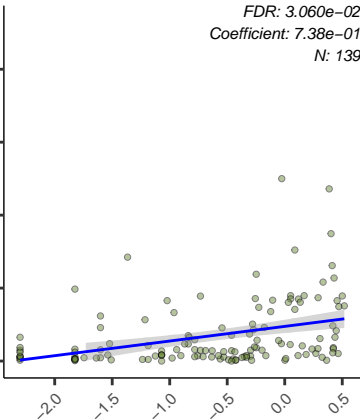
-1.0

-0.5

0.0

0.5

log_PO4



COG0213

2e-04

1e-04

-2.0

-1.5

-1.0

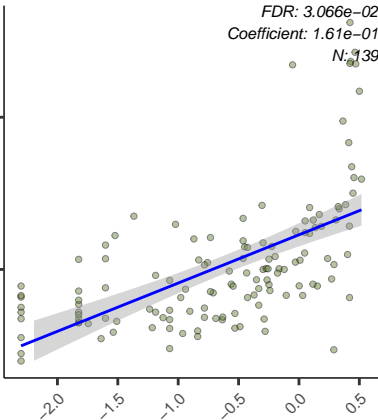
-0.5

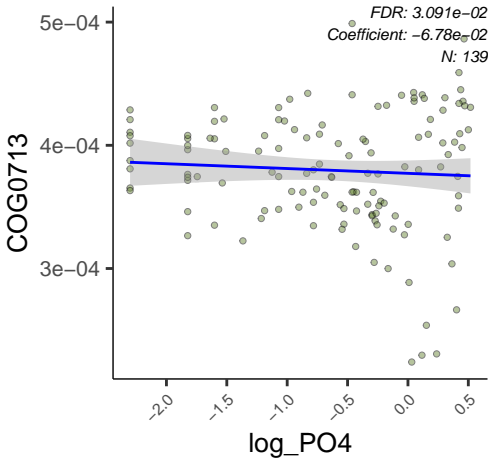
0.0

0.5

log_PO4

FDR: 3.066e-02
Coefficient: 1.61e-01
N: 139





COG2502

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

FDR: 3.091e-02
Coefficient: 1.82e+00
N: 139

-2.0

-1.5

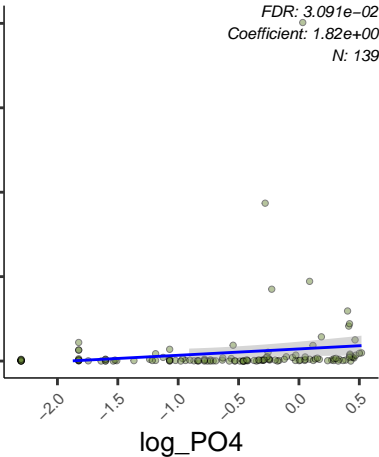
-1.0

-0.5

0.0

0.5

log_PO4



COG1934

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

0.00015

0.00010

0.00005

-2.0

-1.5

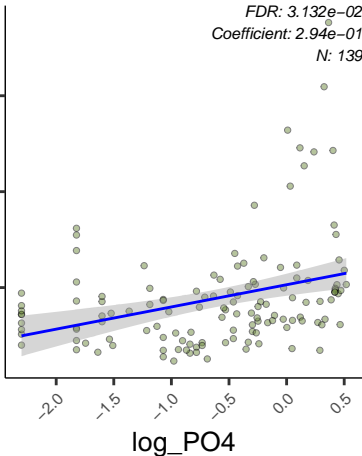
-1.0

-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

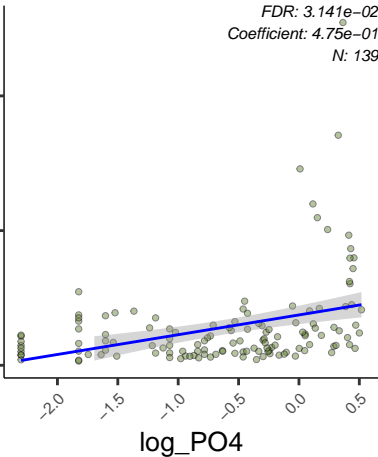
-1.0

-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

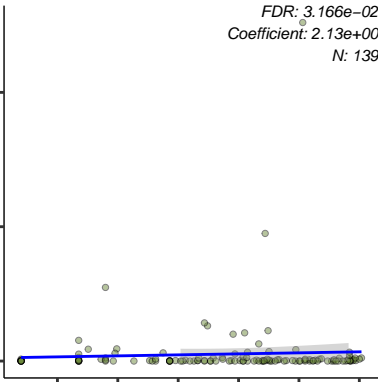
-1.0

-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

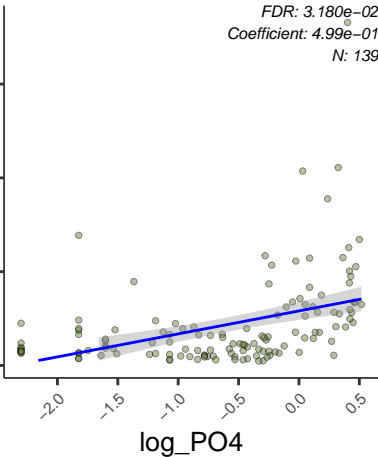
-1.0

-0.5

0.0

0.5

log_PO4



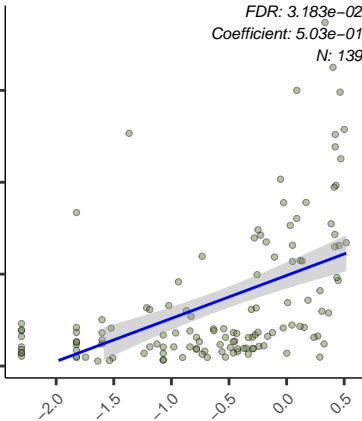
COG4585

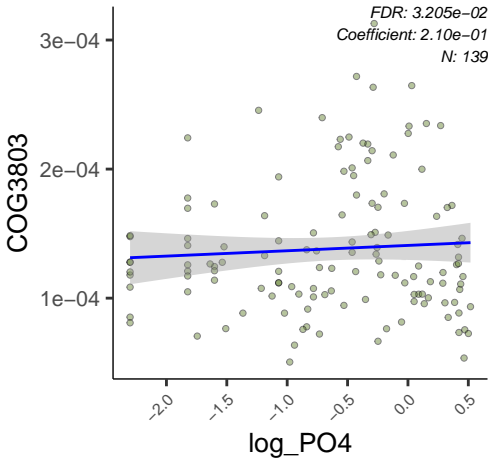
FDR: 3.183e-02
Coefficient: 5.03e-01
N: 139

0.00015
0.00010
0.00005
0.00000

-2.0 -1.5 -1.0 -0.5 0.0 0.5

log_PO4





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

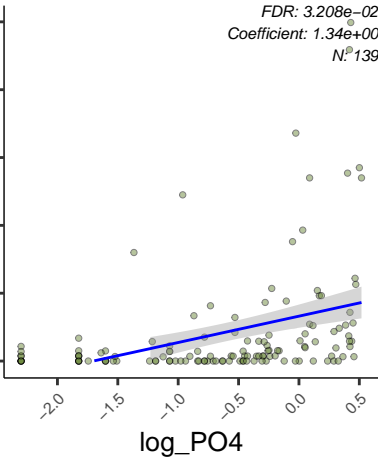
-1.0

-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

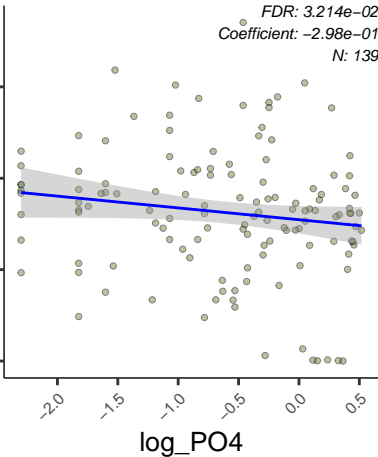
-1.0

-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

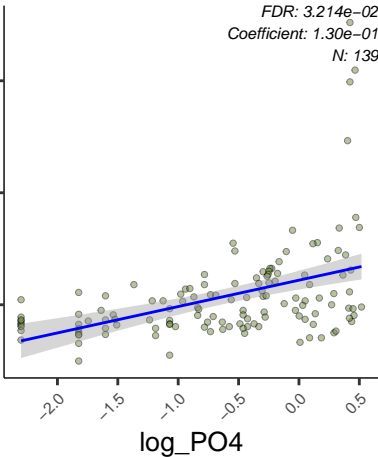
-1.0

-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

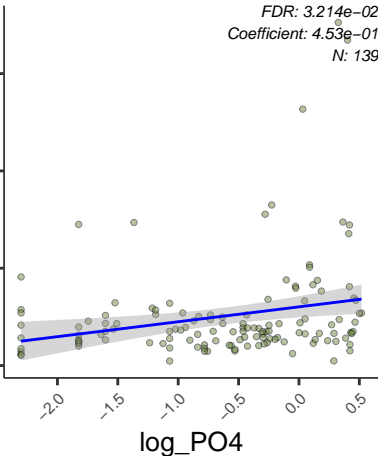
-1.0

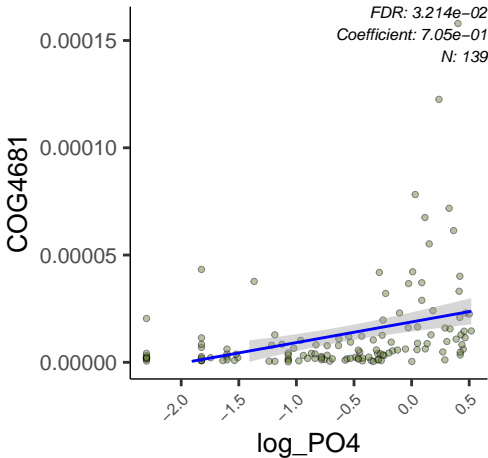
-0.5

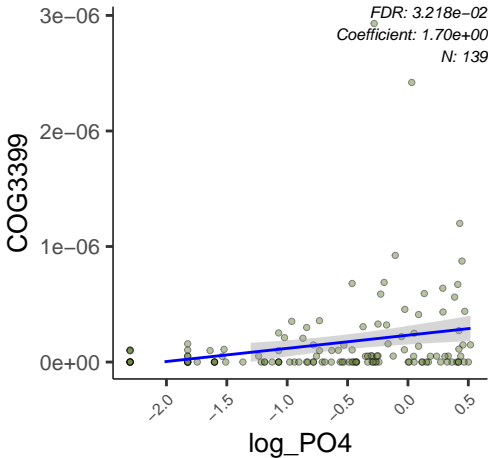
0.0

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

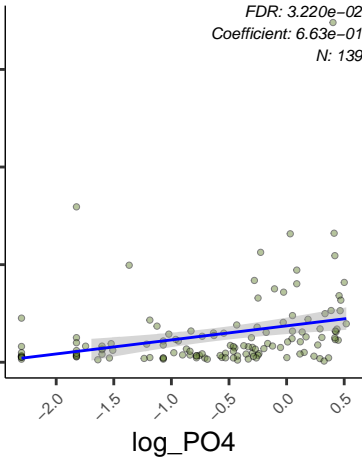
-1.0

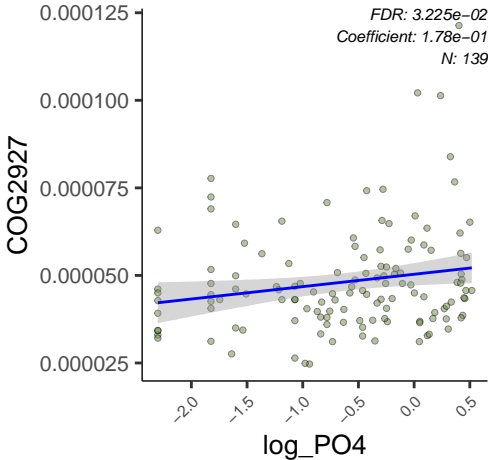
-0.5

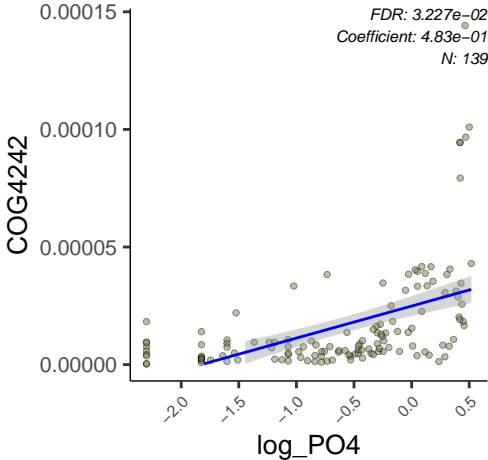
0.0

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

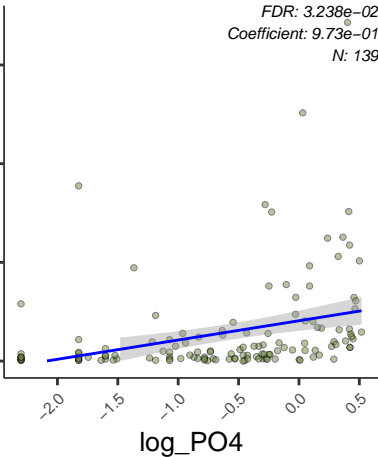
-1.0

-0.5

0.0

0.5

log_PO4



COG3641

FDR: 3.239×10^{-2}
Coefficient: -1.92×10^0
N: 139

9×10^{-6}

6×10^{-6}

3×10^{-6}

0×10^0

-2.0

-1.5

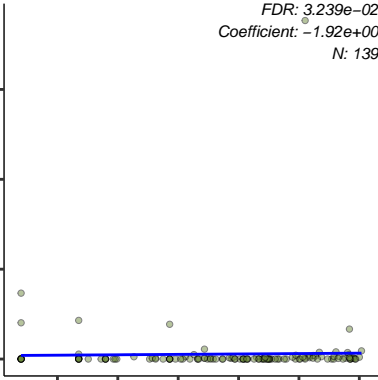
-1.0

-0.5

0.0

0.5

log_PO4



COG2982

FDR: 3.295e-02
Coefficient: 4.85e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

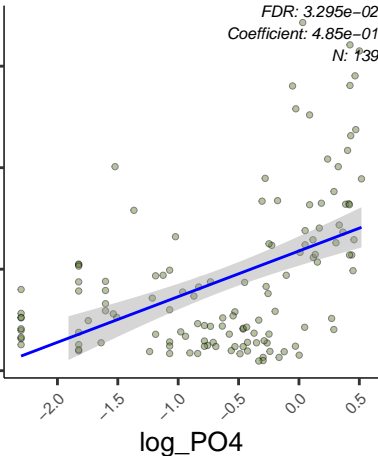
-1.0

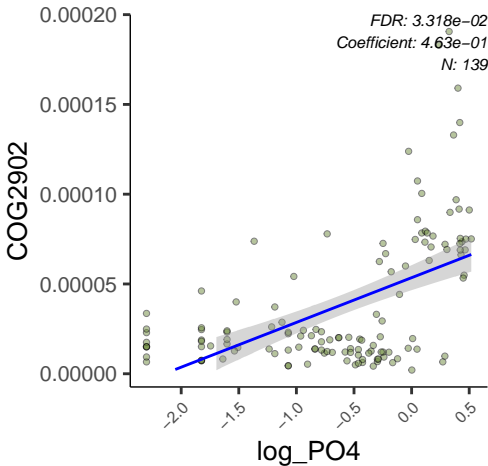
-0.5

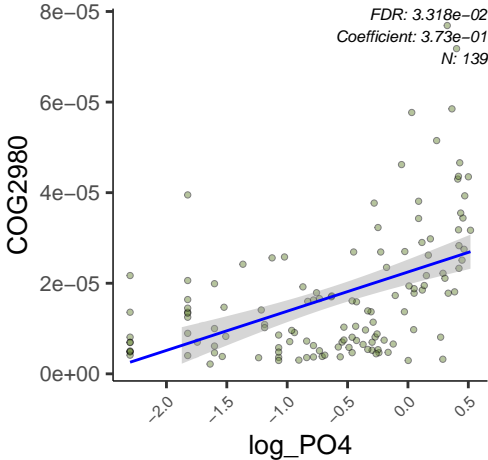
0.0

0.5

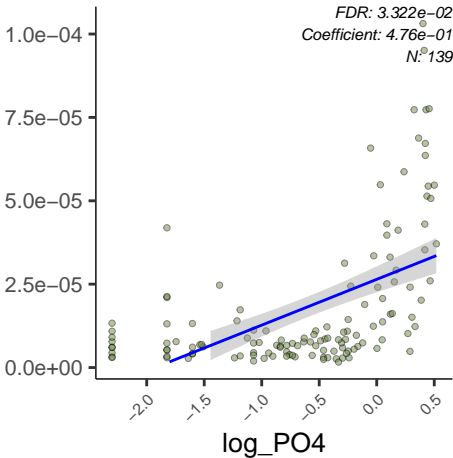
log_PO4

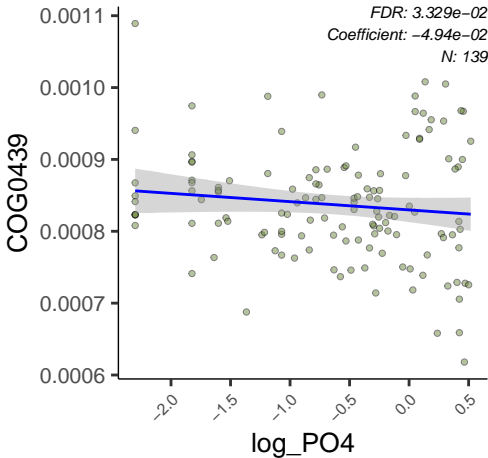


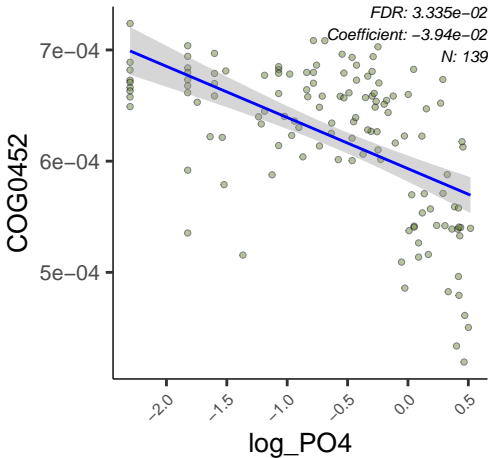




COG4659







COG4200

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

3e-06

2e-06

1e-06

0e+00

-2.0

-1.5

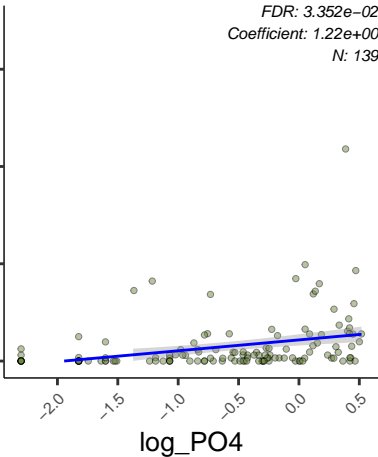
-1.0

-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

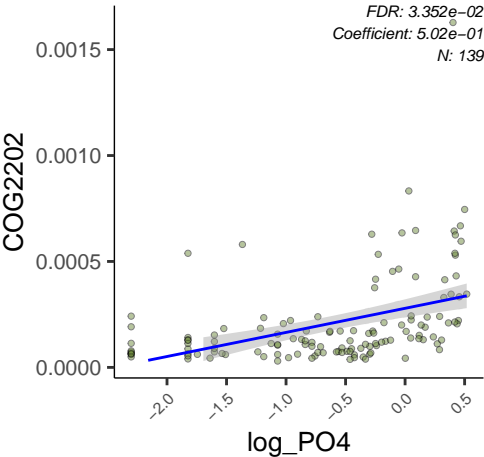
-1.0

-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

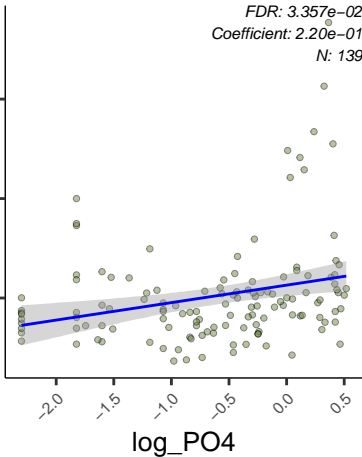
-1.0

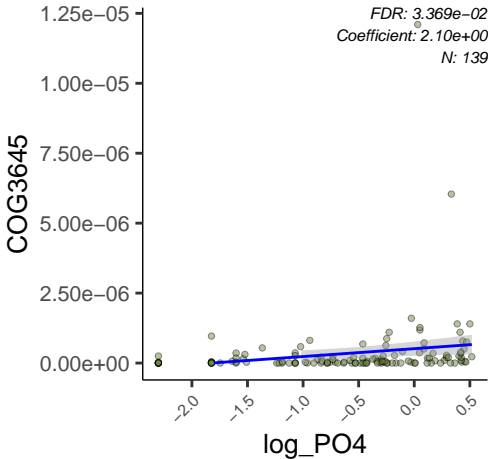
-0.5

0.0

0.5

log_PO4





COG0284

6e-04

5e-04

4e-04

-2.0

-1.5

-1.0

-0.5

0.0

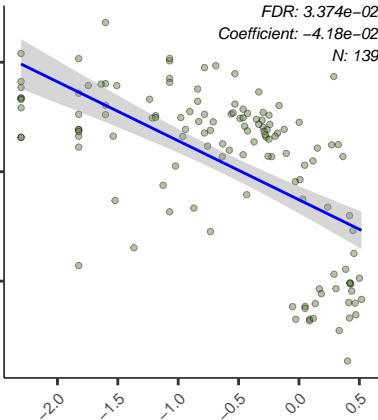
0.5

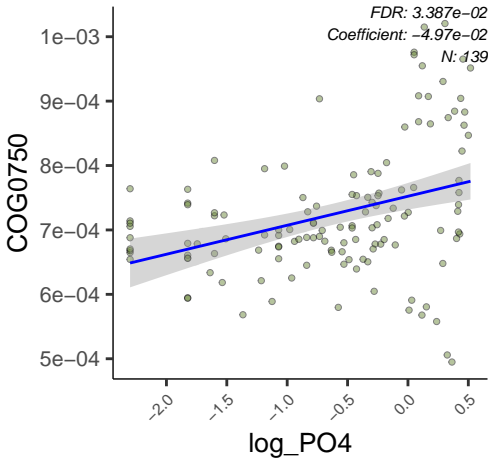
log_PO4

FDR: 3.374e-02

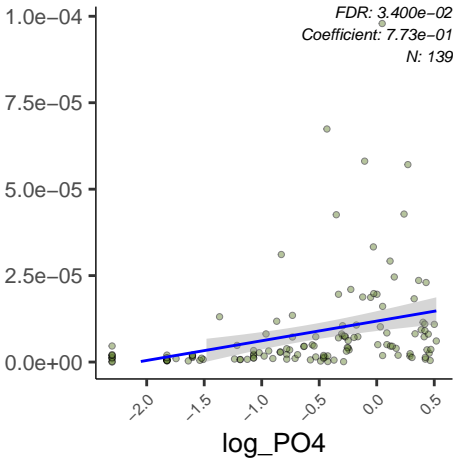
Coefficient: -4.18e-02

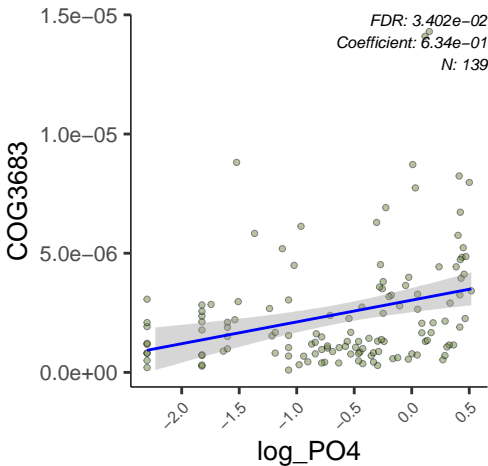
N: 139





COG3489





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

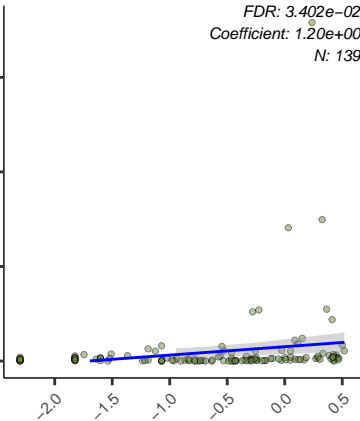
-1.0

-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

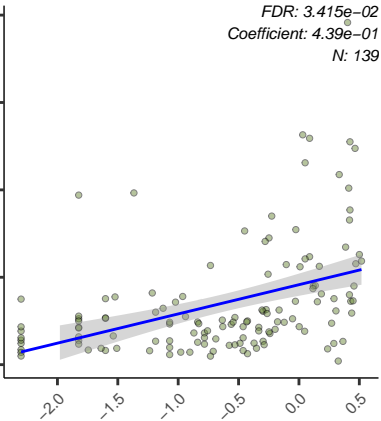
-0.5

0.0

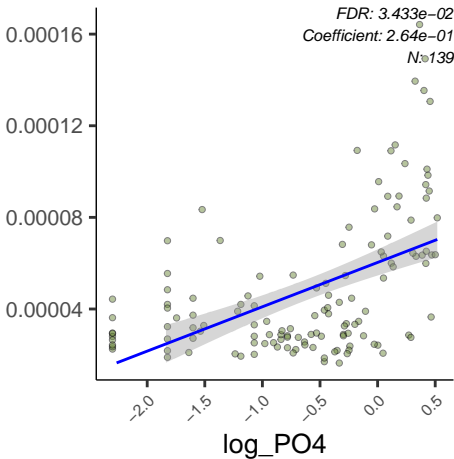
0.5

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

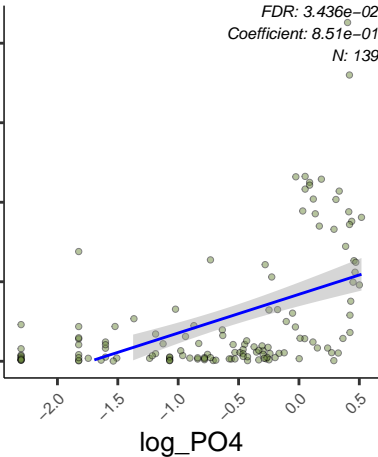
-1.0

-0.5

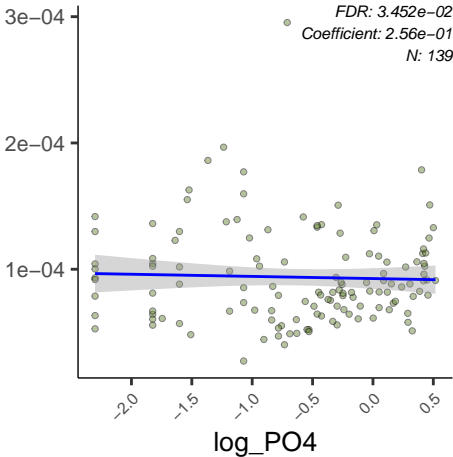
0.0

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

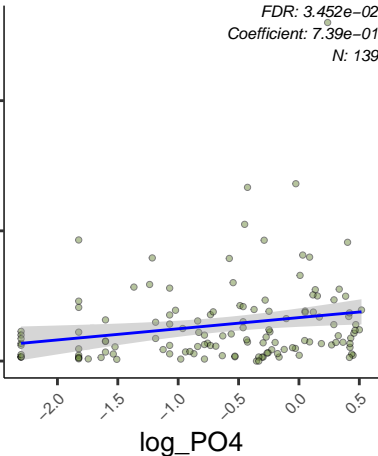
-1.0

-0.5

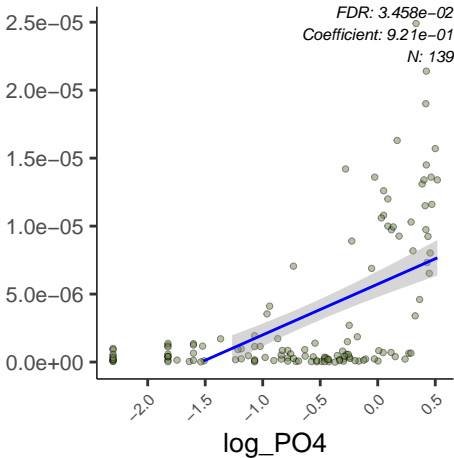
0.0

0.5

log_PO4



COG4261



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

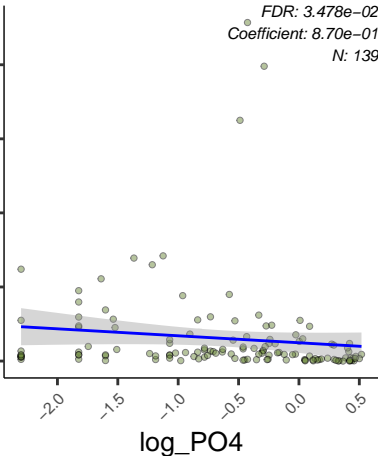
-1.0

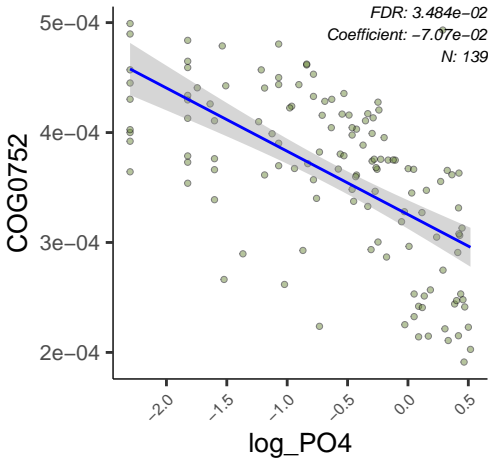
-0.5

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

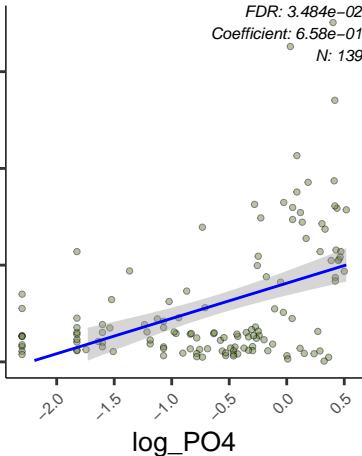
-1.0

-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

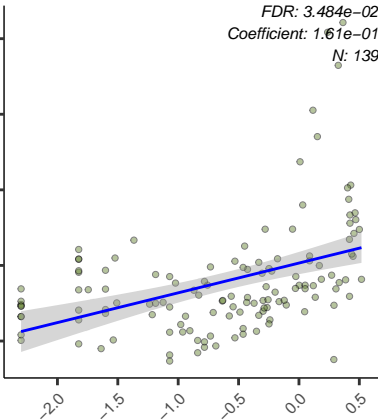
-1.0

-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

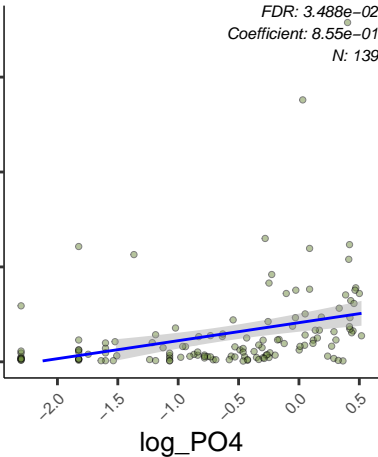
-1.0

-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

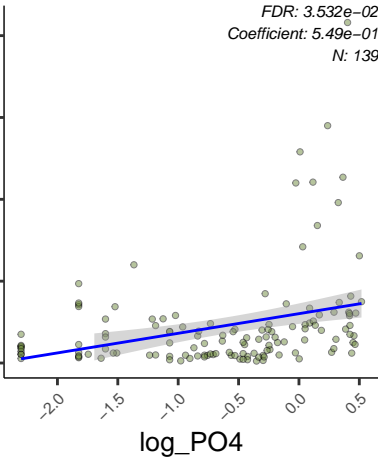
-1.0

-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

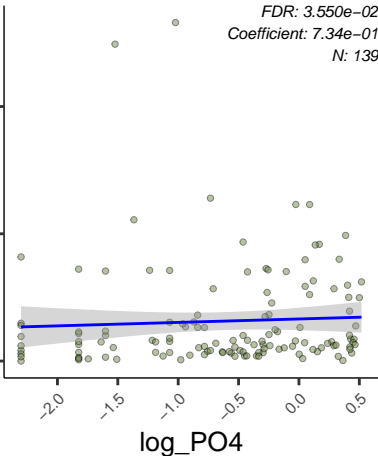
-1.0

-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

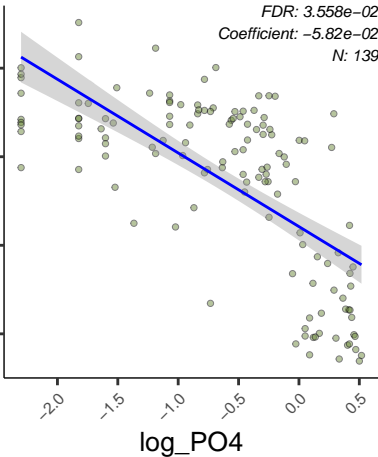
-1.0

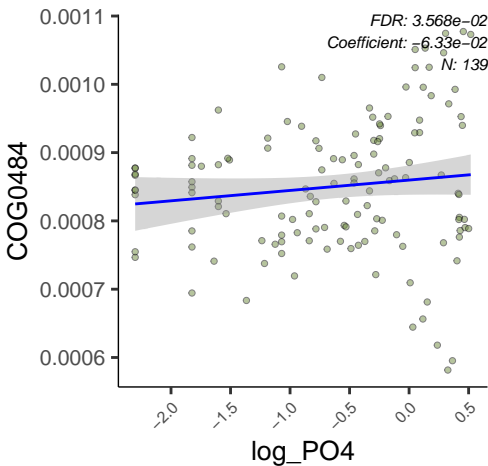
-0.5

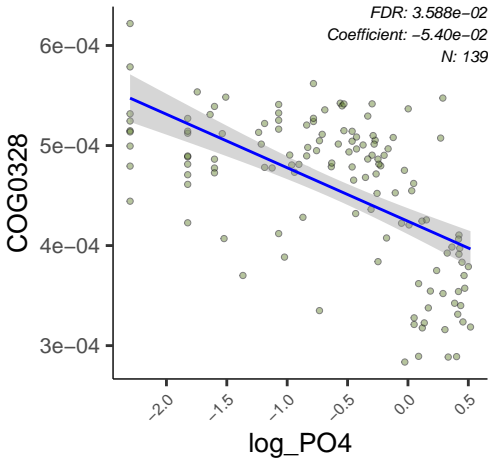
0.0

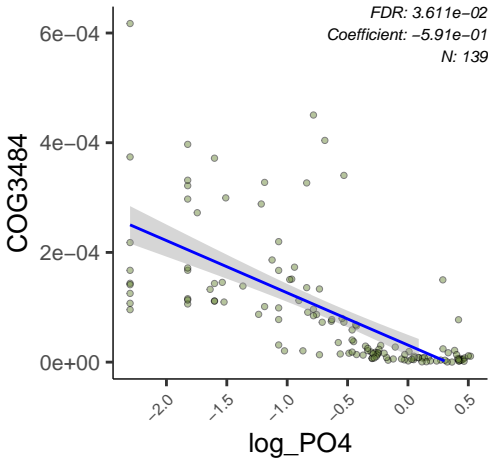
0.5

log_PO4







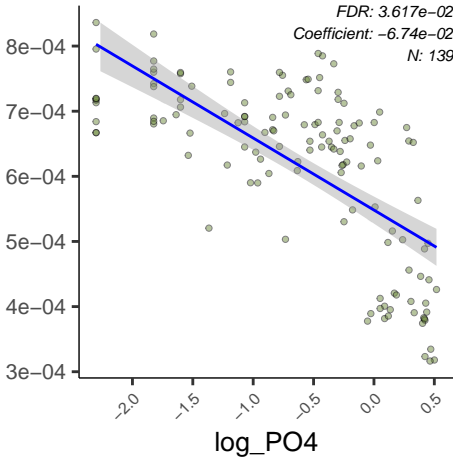


COG0413

FDR: 3.617e-02

Coefficient: -6.74e-02

N: 139



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

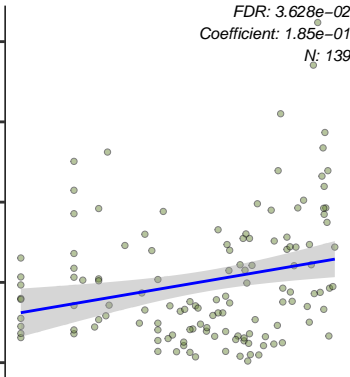
-1.0

-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

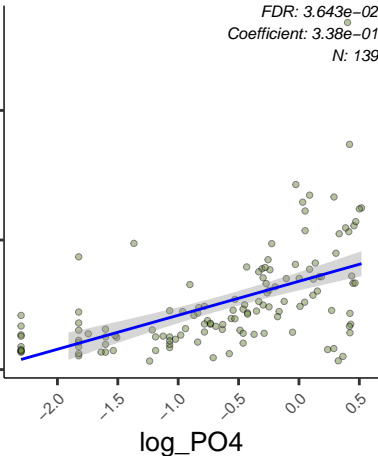
-1.0

-0.5

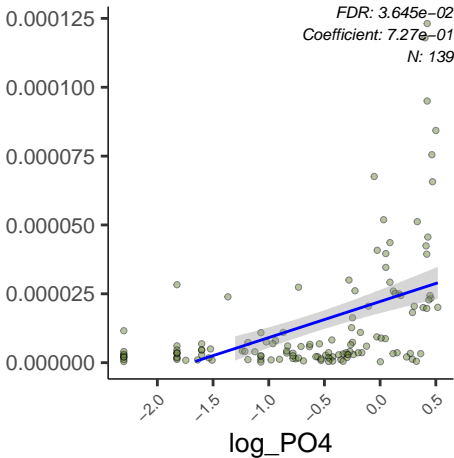
0.0

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

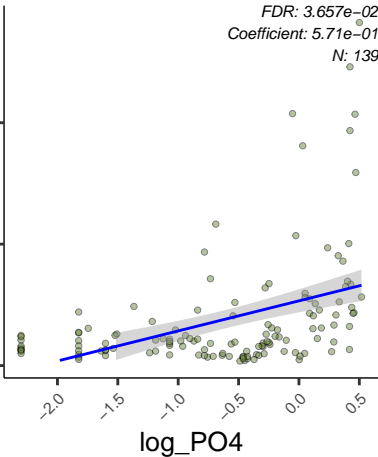
-1.0

-0.5

0.0

0.5

log_PO4



COG2515

FDR: 3.663×10^{-2}
Coefficient: 2.08×10^{-1}
N: 139

2×10^{-4}

1×10^{-4}

-2.0

-1.5

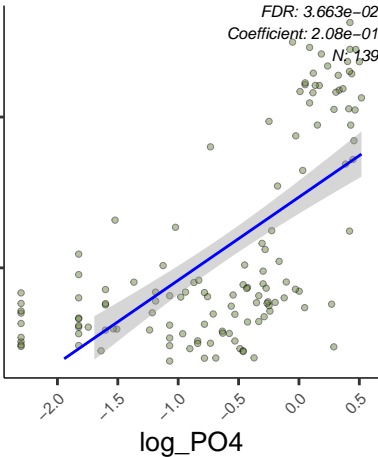
-1.0

-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

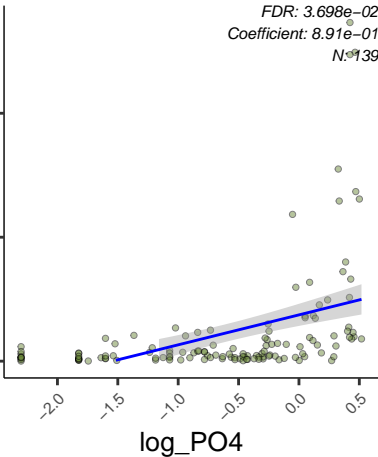
-1.0

-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

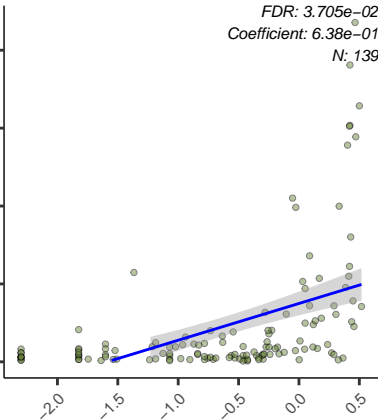
-1.0

-0.5

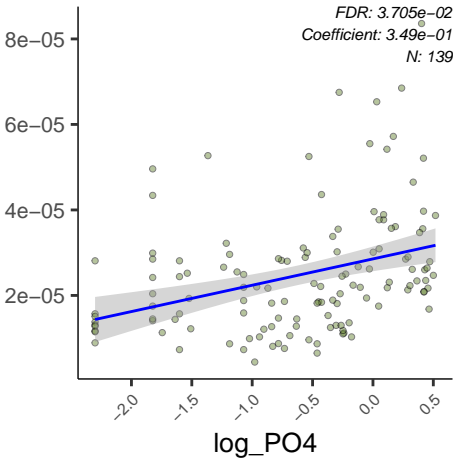
0.0

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

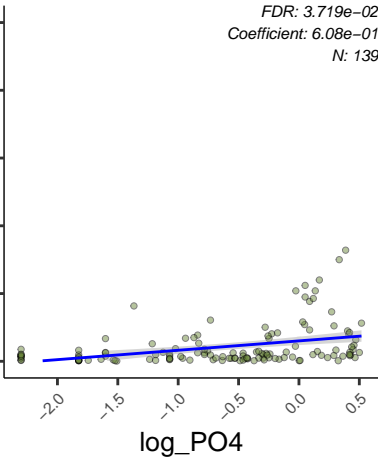
-1.0

-0.5

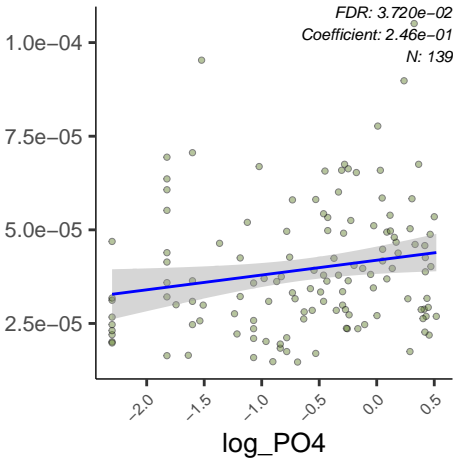
0.0

0.5

log_PO4



COG4336



COG0432

FDR: 3.723e-02
Coefficient: -7.39e-02
N: 139

5e-04

4e-04

3e-04

2e-04

-2.0

-1.5

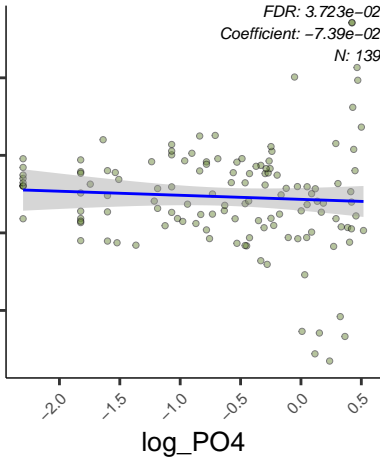
-1.0

-0.5

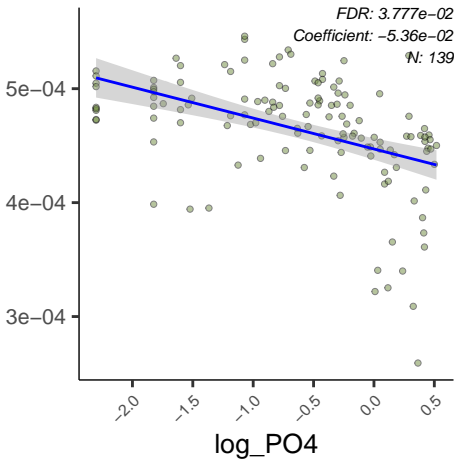
0.0

0.5

log_PO4



COG1386



COG3008

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

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

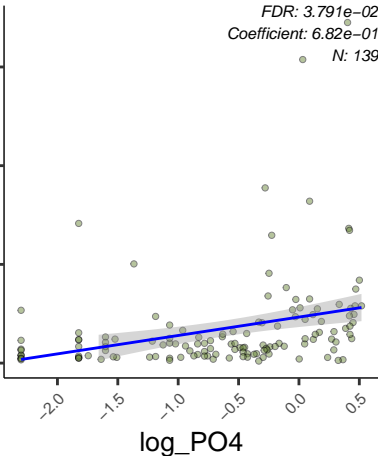
-1.0

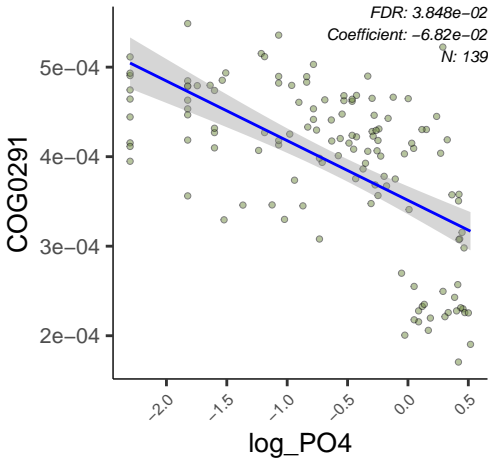
-0.5

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

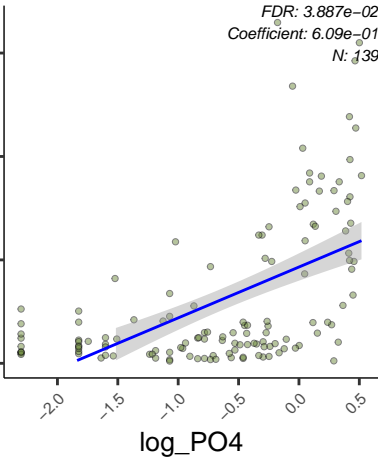
-1.0

-0.5

0.0

0.5

log_PO4



COG4932

FDR: 3.887e-02
Coefficient: -1.27e+00
N: 139

2e-06

1e-06

0e+00

-2.0

-1.5

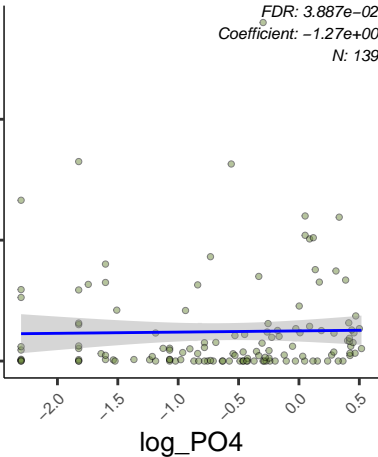
-1.0

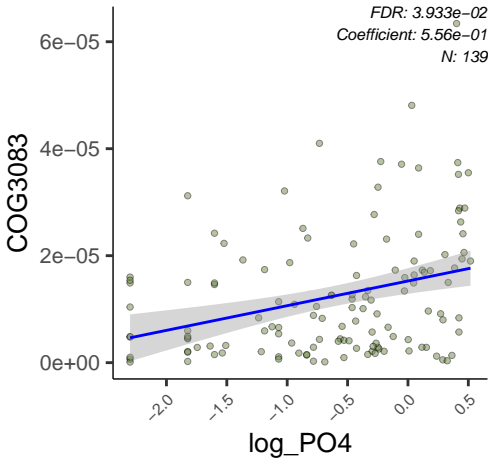
-0.5

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

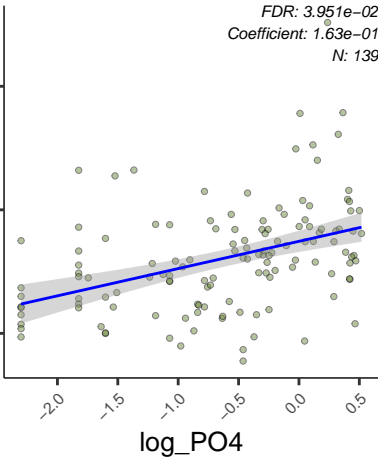
-1.0

-0.5

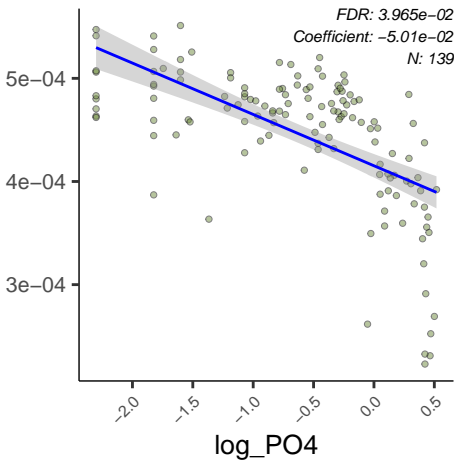
0.0

0.5

log_PO4



COG2154



COG1943

4e-04
3e-04
2e-04
1e-04
0e+00

-2.0

-1.5

-1.0

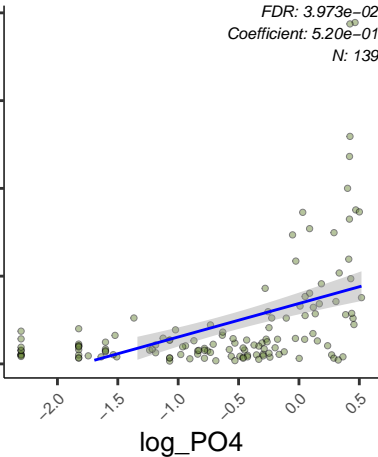
-0.5

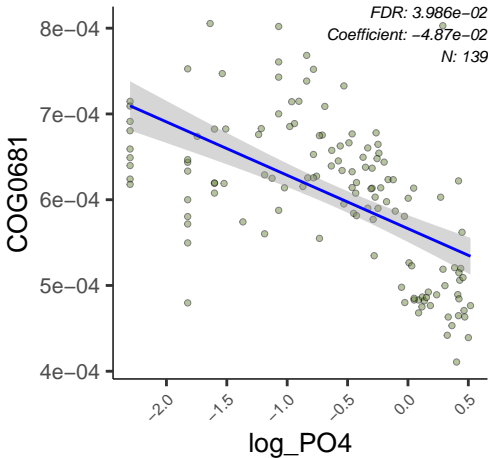
0.0

0.5

log_PO4

FDR: 3.973e-02
Coefficient: 5.20e-01
N: 139





COG1569

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

9e-06

6e-06

3e-06

0e+00

-2.0

-1.5

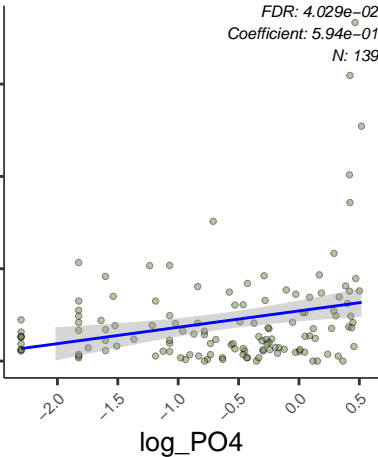
-1.0

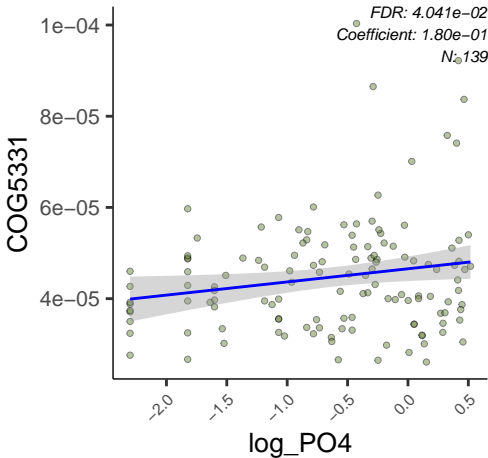
-0.5

0.0

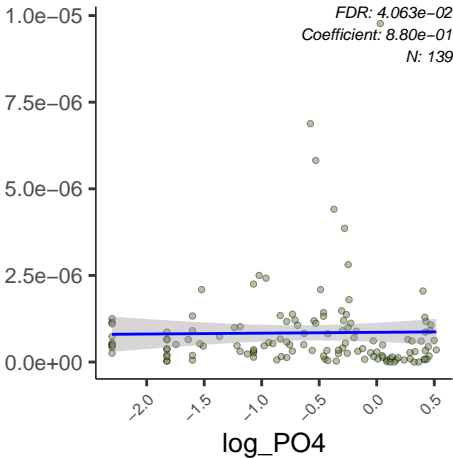
0.5

log_PO4

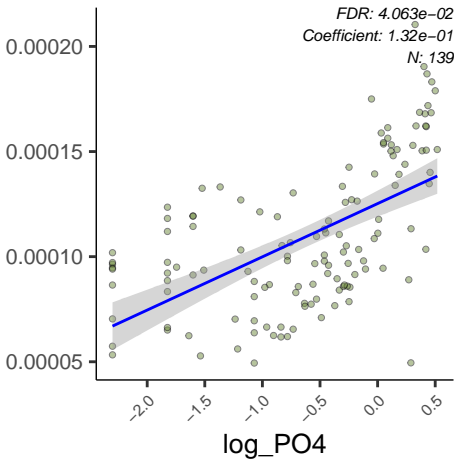


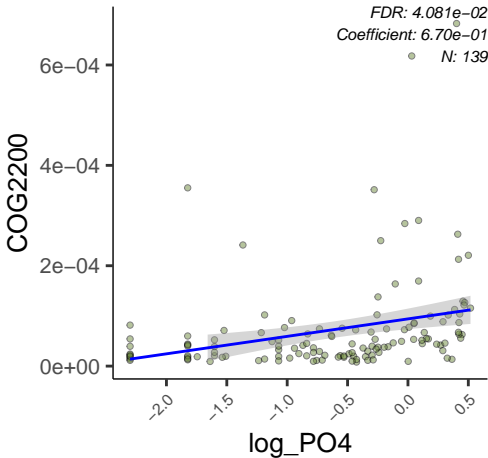


COG2425

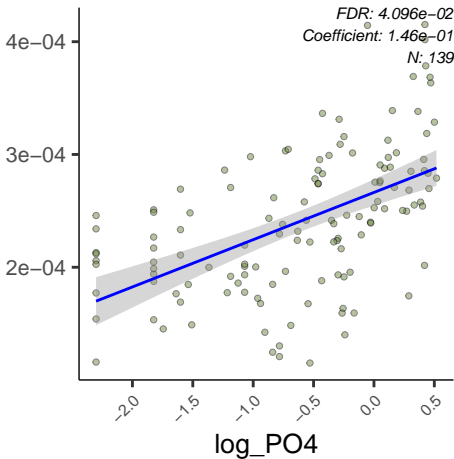


COG2967





COG0314



COG4987

FDR: 4.124×10^{-2}
Coefficient: 7.47×10^{-1}
N: 139

6×10^{-5}
 4×10^{-5}
 2×10^{-5}
 0×10^0

-2.0

-1.5

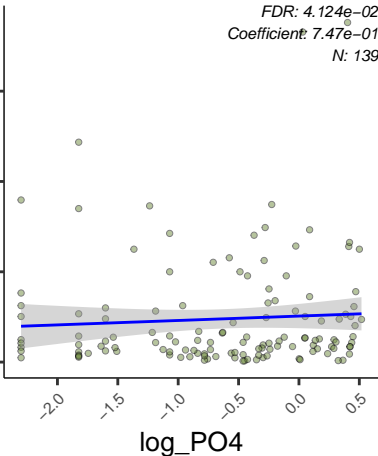
-1.0

-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

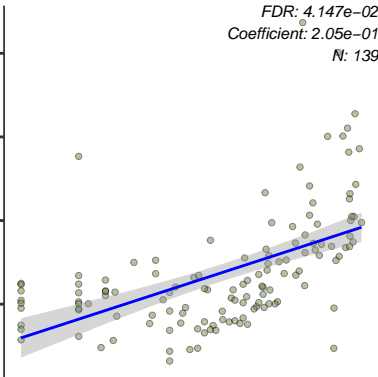
-1.0

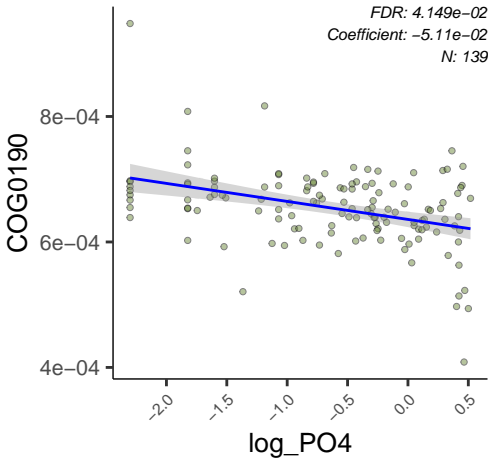
-0.5

0.0

0.5

log_PO4





COG1820

0.00015

0.00010

0.00005

-2.0

-1.5

-1.0

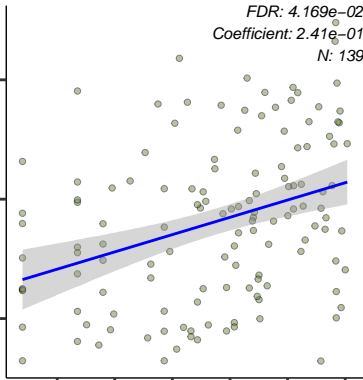
-0.5

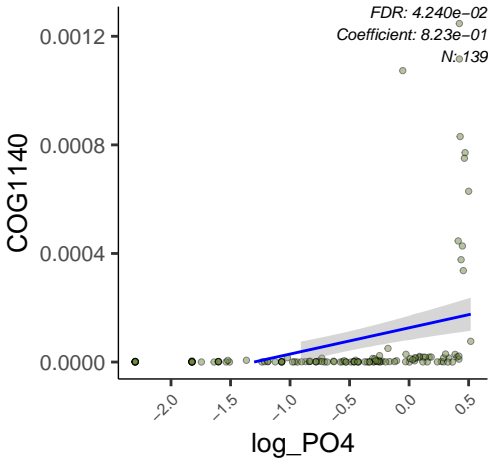
0.0

0.5

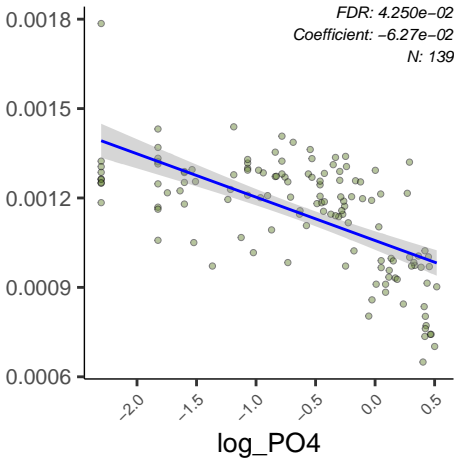
log_PO4

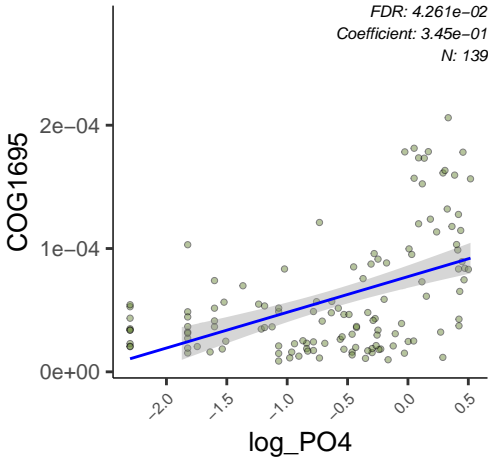
FDR: 4.169e-02
Coefficient: 2.41e-01
N: 139

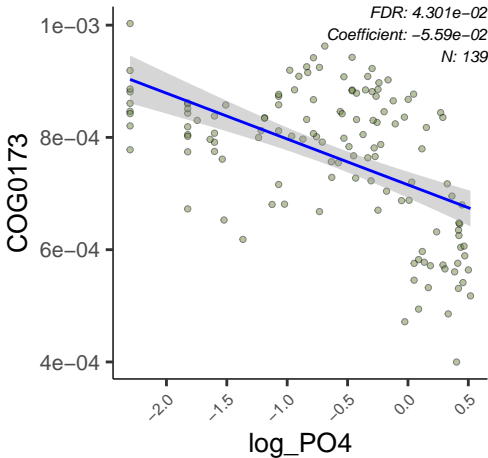




COG0492







COG3288

$1\text{e-}03$

$8\text{e-}04$

$6\text{e-}04$

-2.0

-1.5

-1.0

-0.5

0.0

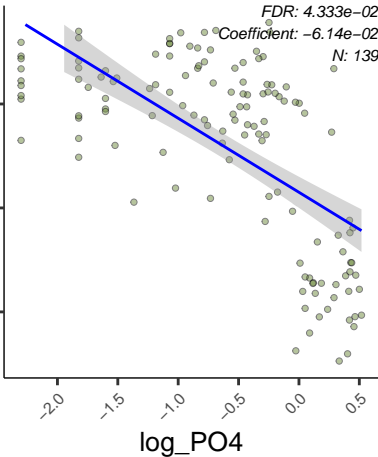
0.5

log_PO4

FDR: $4.333\text{e-}02$

Coefficient: $-6.14\text{e-}02$

N: 139



COG5404

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

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

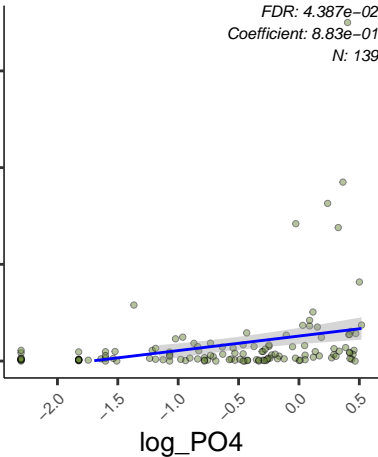
-1.0

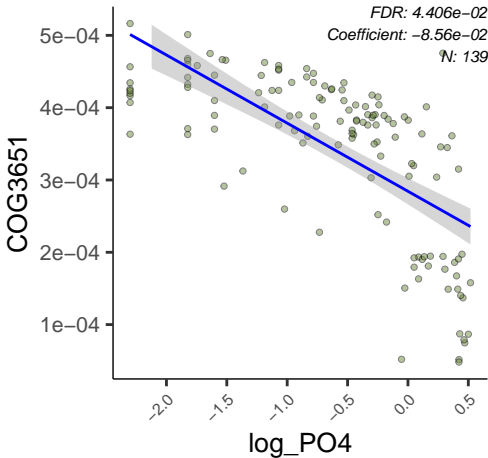
-0.5

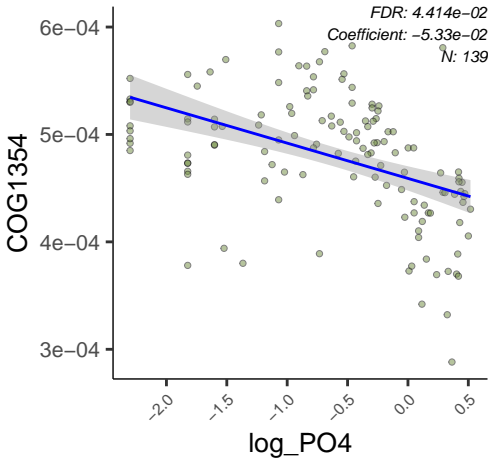
0.0

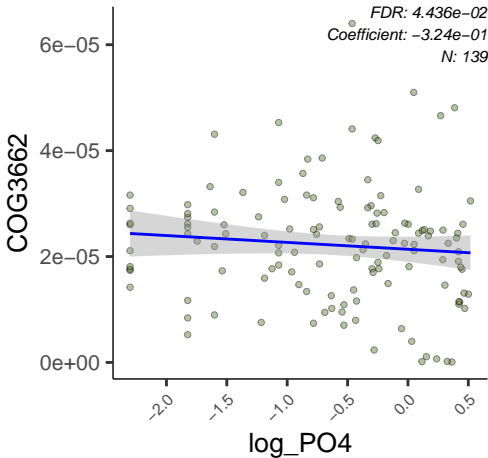
0.5

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

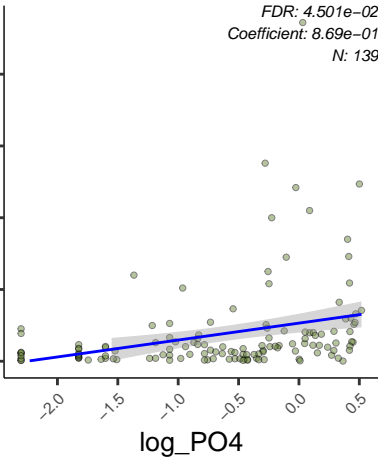
-1.0

-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

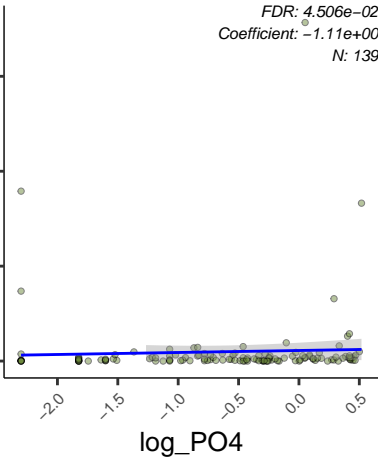
-1.0

-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

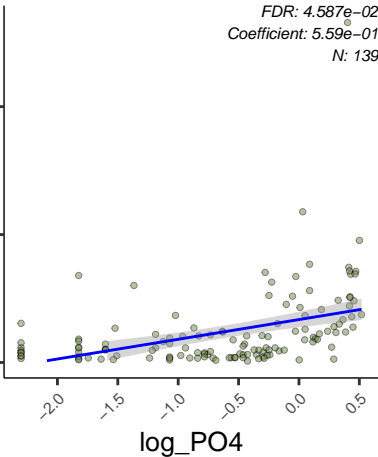
-1.0

-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

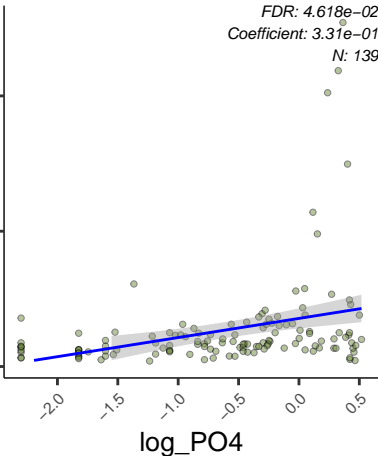
-1.0

-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

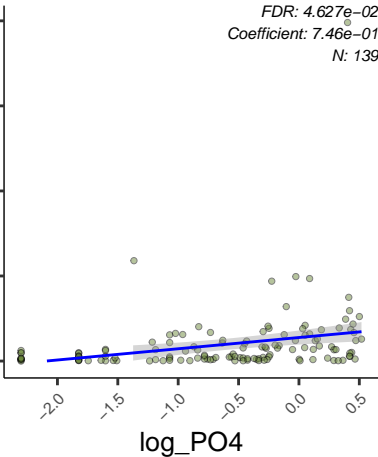
-1.0

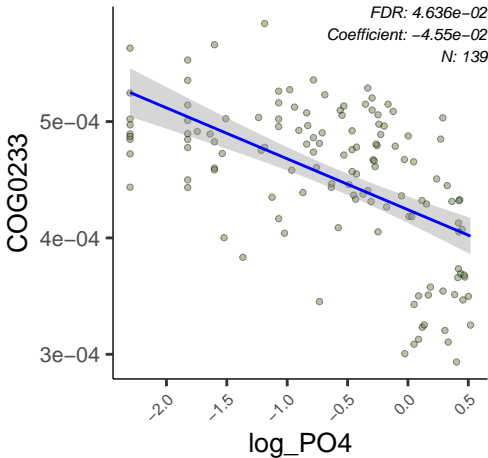
-0.5

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

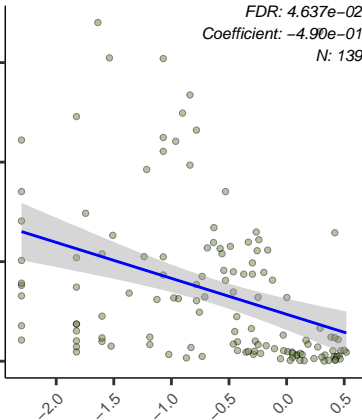
0.5

log_PO4

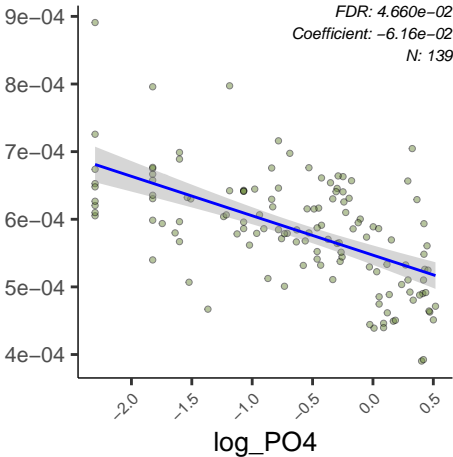
FDR: 4.637e-02

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

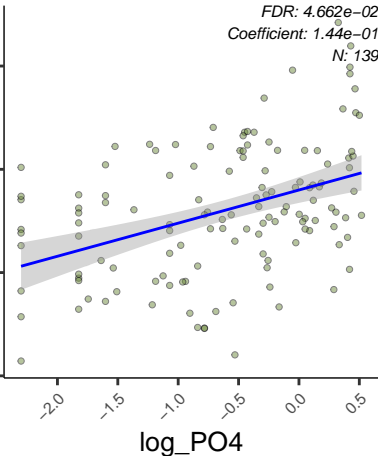
-1.0

-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

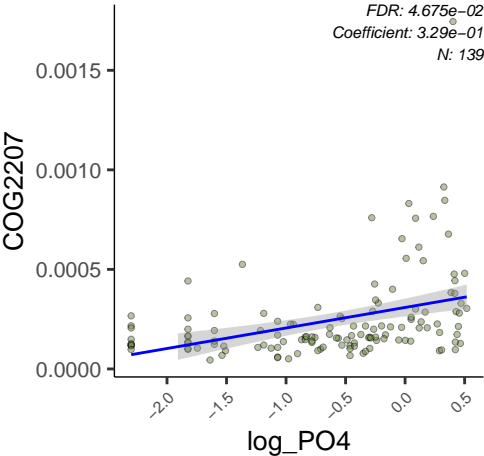
-1.0

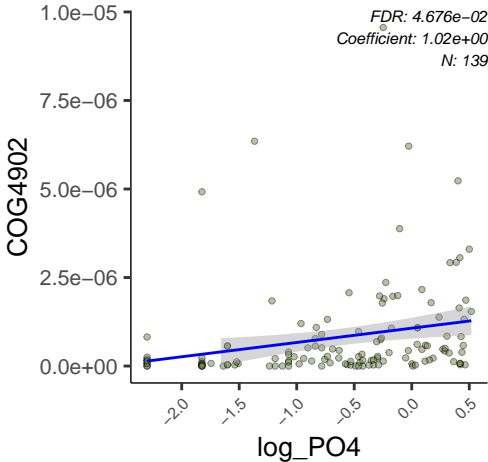
-0.5

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

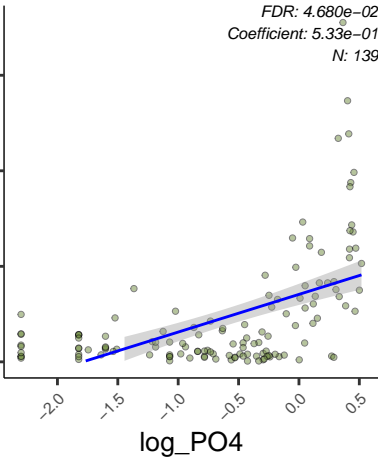
-1.0

-0.5

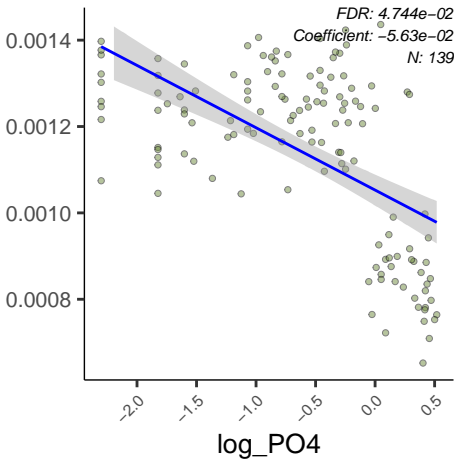
0.0

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

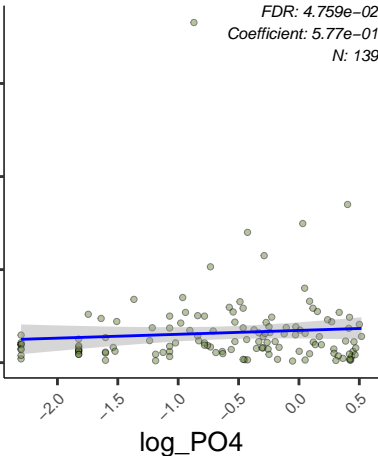
-1.0

-0.5

0.0

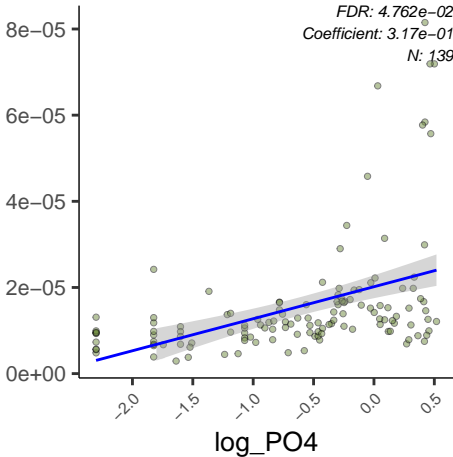
0.5

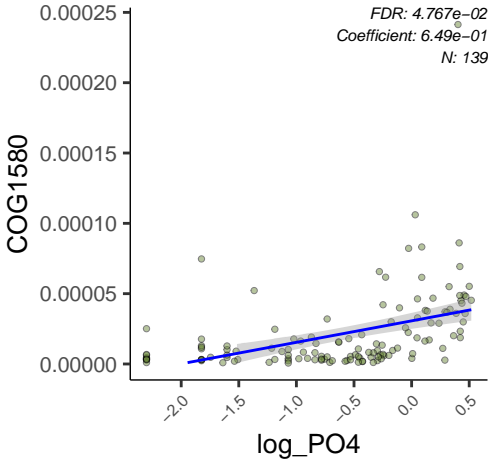
log_PO4



COG4928

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





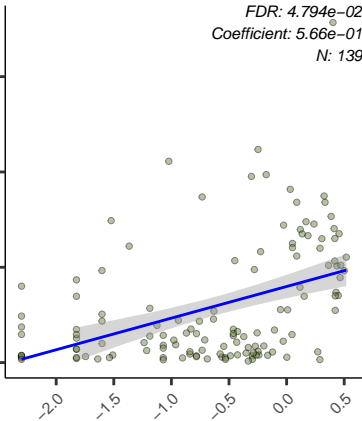
COG2968

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

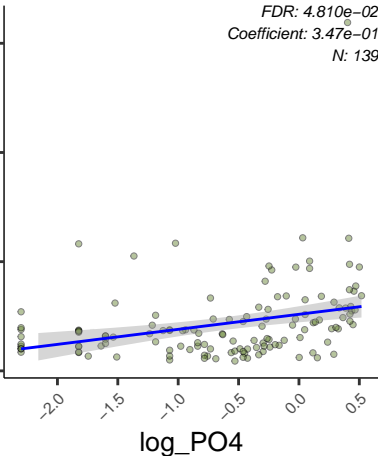
-1.0

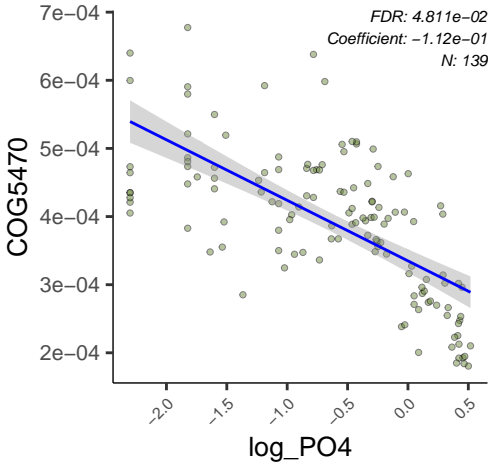
-0.5

0.0

0.5

log_PO4





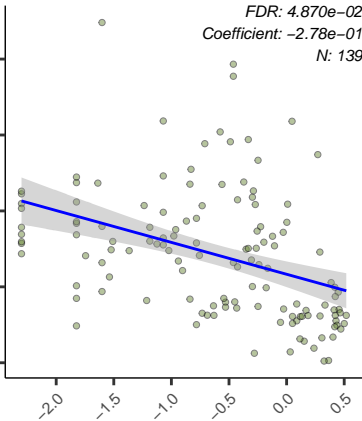
COG3409

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

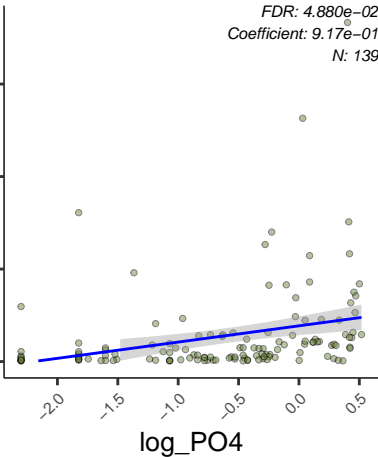
-1.0

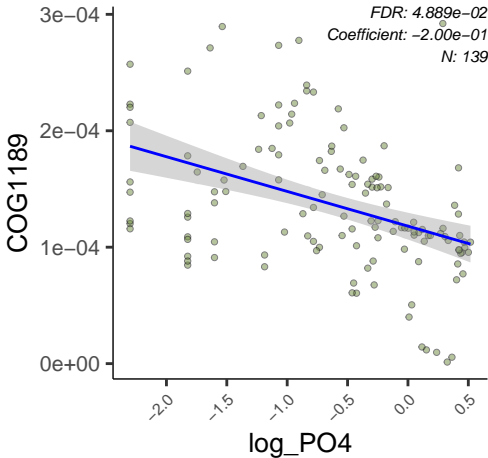
-0.5

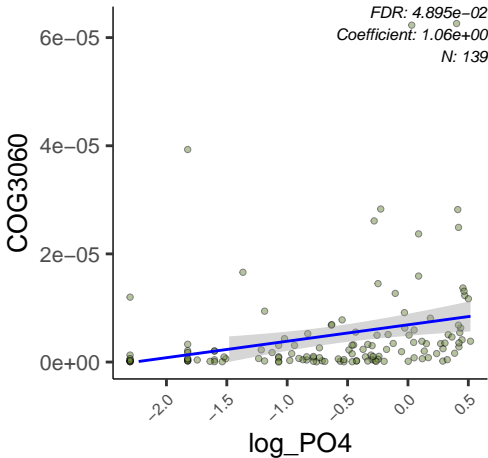
0.0

0.5

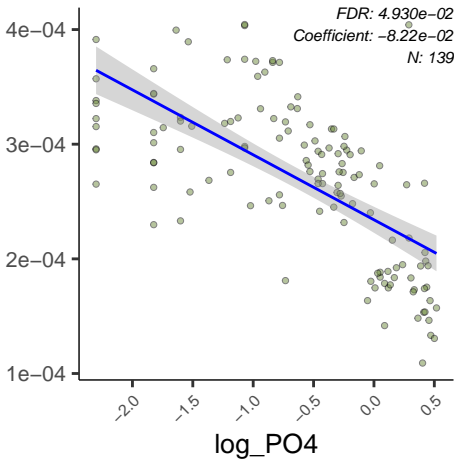
log_PO4







COG1828



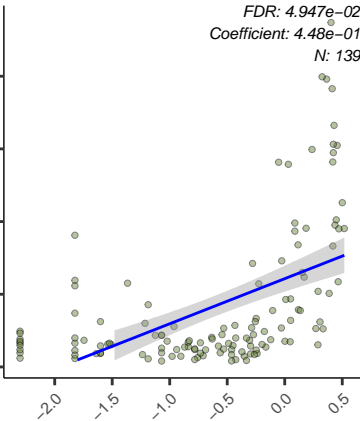
COG4657

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

