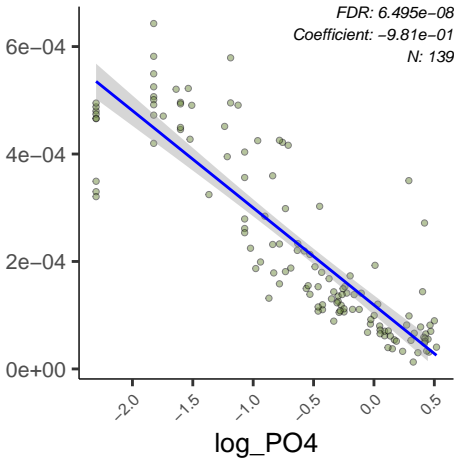
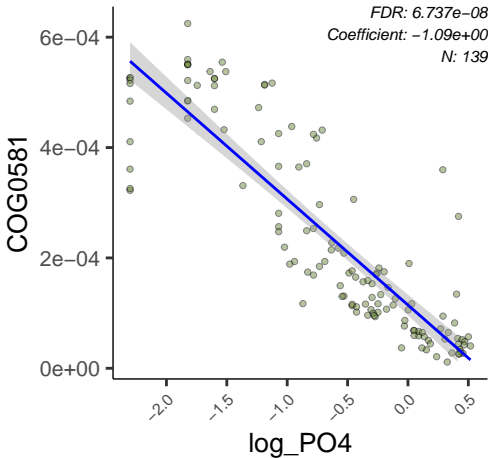


COG1117





COG0226

0.00075

0.00050

0.00025

0.00000

-2.0

-1.5

-1.0

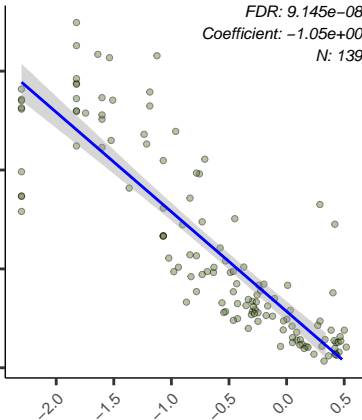
-0.5

0.0

0.5

log_PO4

FDR: 9.145e-08
Coefficient: -1.05e+00
N: 139



COG0394

FDR: 1.844e-07

Coefficient: -2.98e-01

N: 139

6e-04

5e-04

4e-04

3e-04

2e-04

-2.0

-1.5

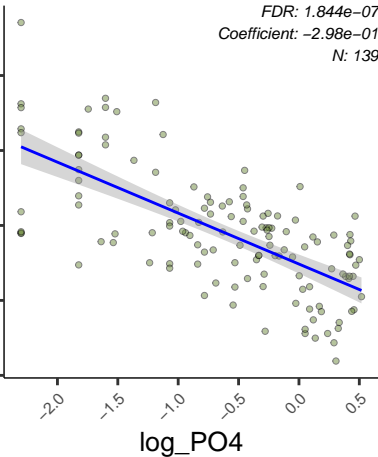
-1.0

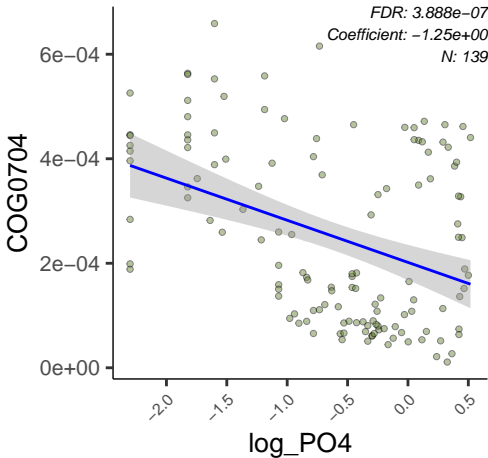
-0.5

0.0

0.5

log_PO4





COG2375

FDR: 7.474e-07

Coefficient: 1.13e+00

N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

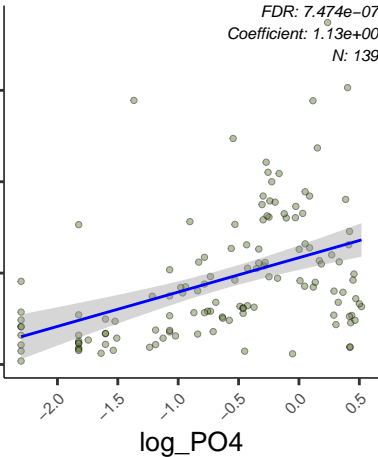
-1.0

-0.5

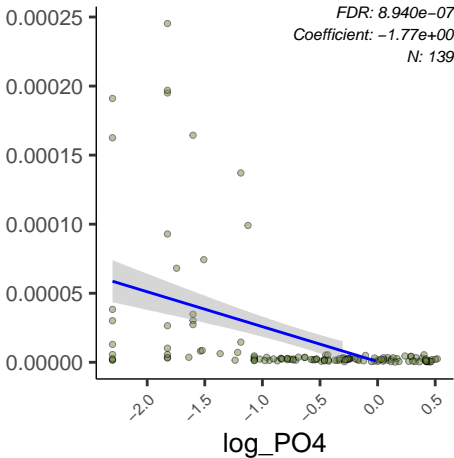
0.0

0.5

log_PO4



COG3627



COG2329

4e-04

3e-04

2e-04

1e-04

-2.0

-1.5

-1.0

-0.5

0.0

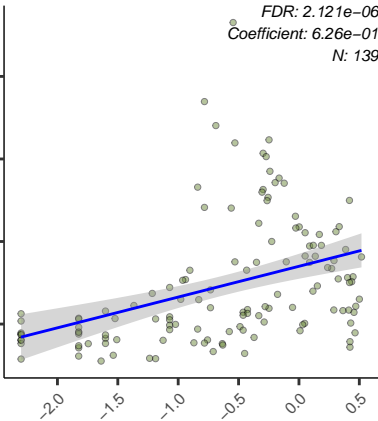
0.5

log_PO4

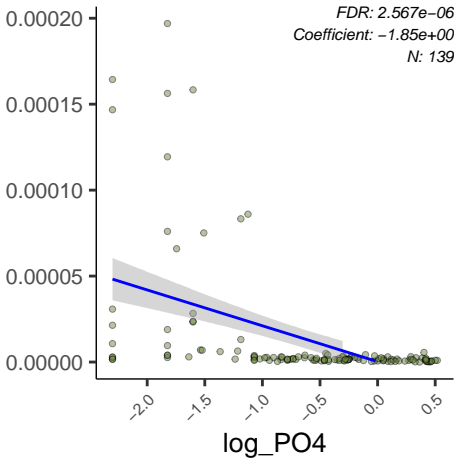
FDR: 2.121e-06

Coefficient: 6.26e-01

N: 139



COG3624



COG4107

FDR: 3.672e-06

Coefficient: -1.70e+00

N: 139

2e-04

1e-04

0e+00

-2.0

-1.5

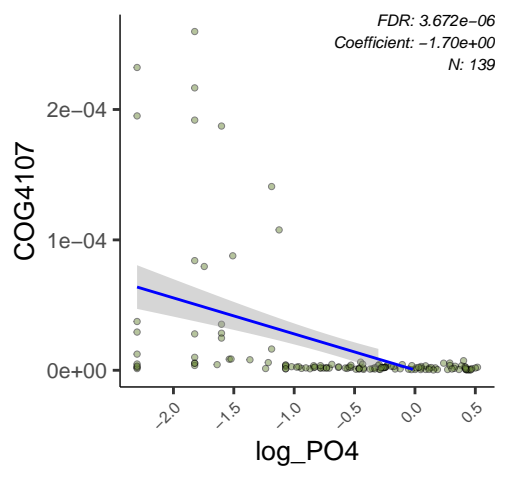
-1.0

-0.5

0.0

0.5

log_PO4



COG0306

FDR: 3.800e-06
Coefficient: 3.55e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

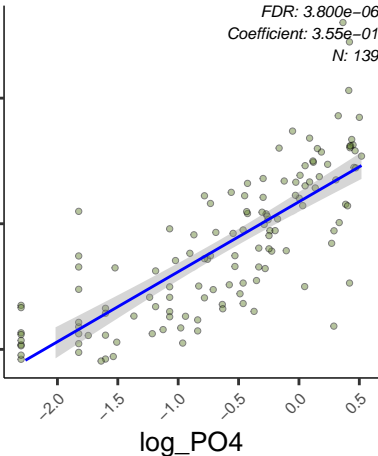
-1.0

-0.5

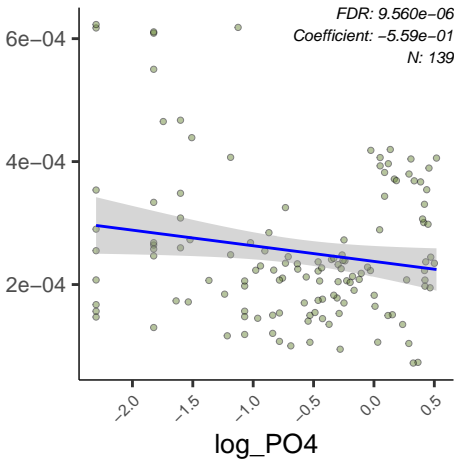
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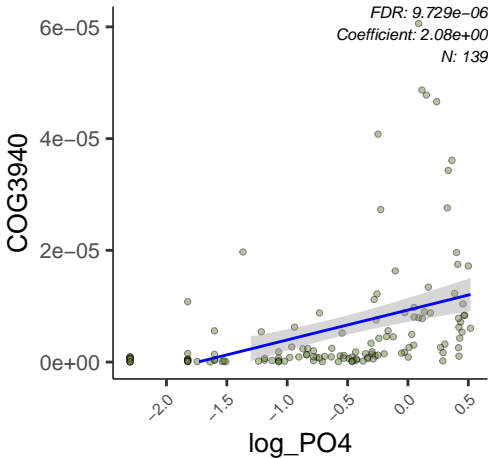
0.5

log_PO4



COG3639





COG3625

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

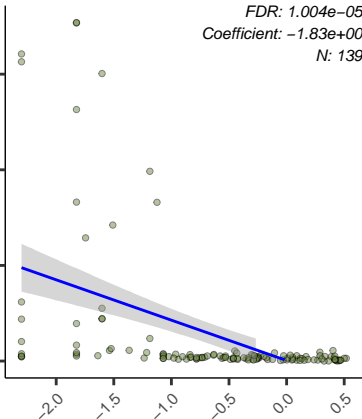
-0.5

0.0

0.5

log_PO4

FDR: 1.004e-05
Coefficient: -1.83e+00
N: 139



COG3454

FDR: 1.110e-05

Coefficient: -1.37e+00

N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

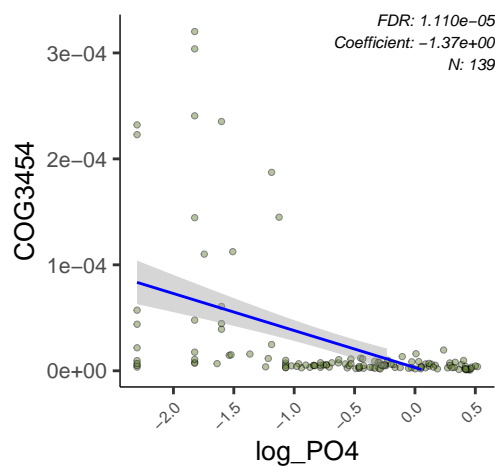
-1.0

-0.5

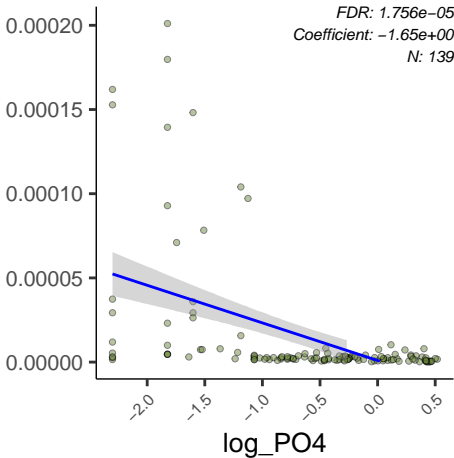
0.0

0.5

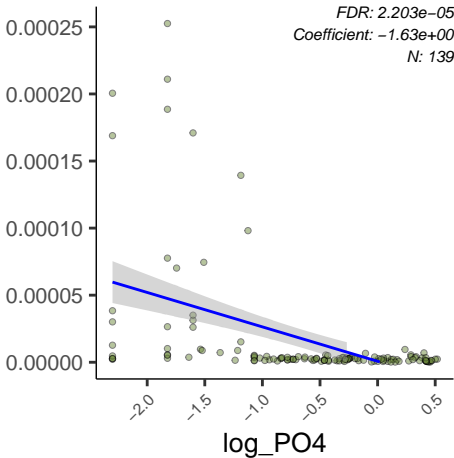
log_PO4



COG4778



COG3626



COG1392

FDR: 3.854e-05

Coefficient: 6.02e-01

N: 139

2e-04

1e-04

0e+00

-2.0

-1.5

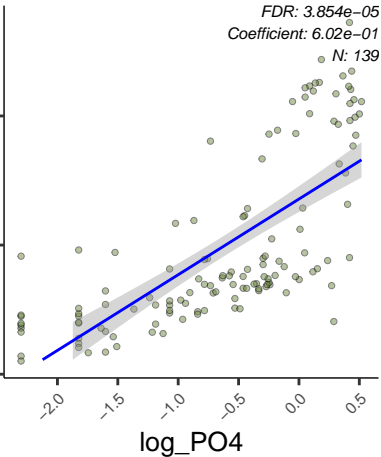
-1.0

-0.5

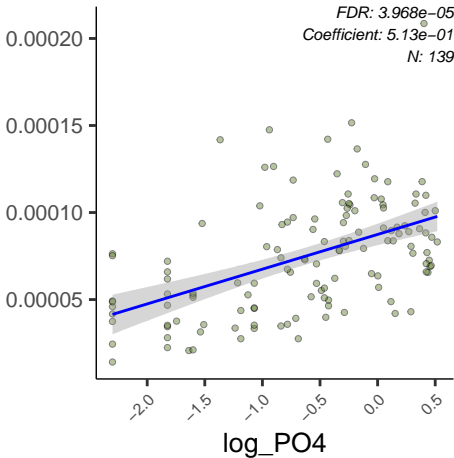
0.0

0.5

log_PO4



COG1120



COG1597

3e-04

2e-04

1e-04

-2.0

-1.5

-1.0

-0.5

0.0

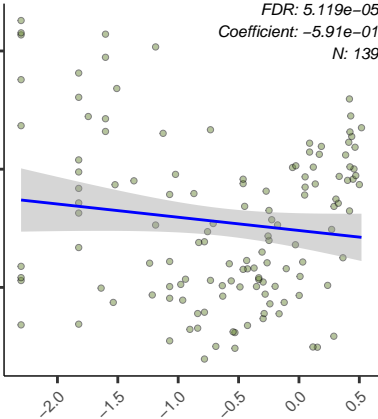
0.5

log_PO4

FDR: 5.119e-05

Coefficient: -5.91e-01

N: 139

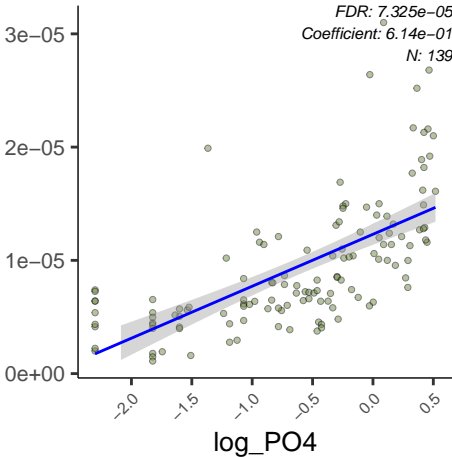


COG4268

FDR: 7.325e-05

Coefficient: 6.14e-01

N: 139



COG1283

FDR: 8.251e-05

Coefficient: 5.15e-01

N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

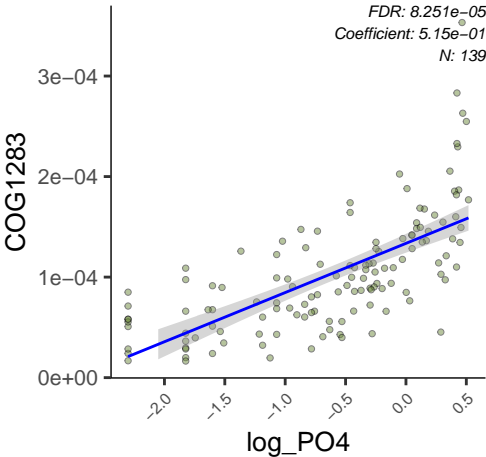
-1.0

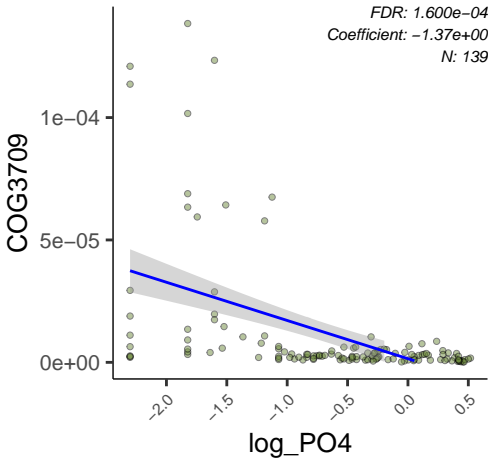
-0.5

0.0

0.5

log_PO4





COG4682

FDR: 1.629e-04
Coefficient: 1.74e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

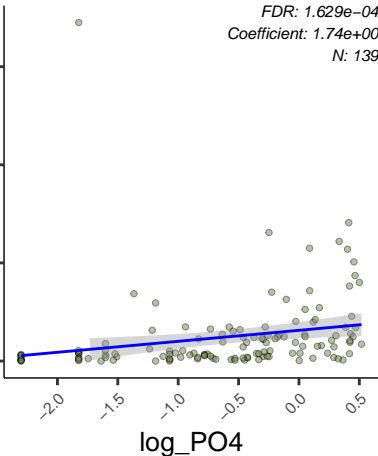
-1.0

-0.5

0.0

0.5

log_PO4



COG3112

FDR: 1.778×10^{-4}
Coefficient: 2.38×10^0
N: 139

4×10^{-5}

2×10^{-5}

0×10^0

-2.0

-1.5

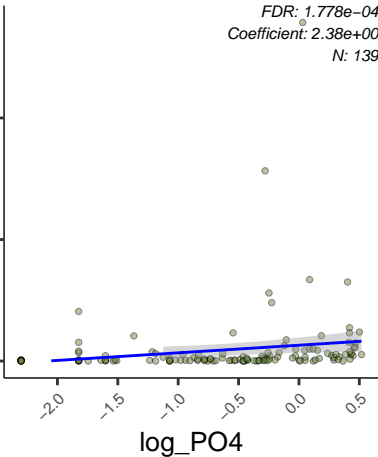
-1.0

-0.5

0.0

0.5

log_PO4



COG4832

FDR: 1.995e-04
Coefficient: 1.95e+00
N: 139

1e-04

5e-05

0e+00

-2.0

-1.5

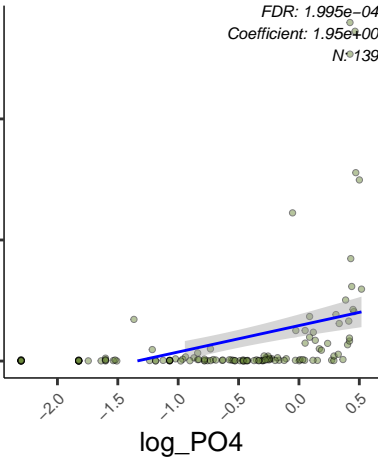
-1.0

-0.5

0.0

0.5

log_PO4



COG3227

FDR: 2.043e-04
Coefficient: 1.00e+00
N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

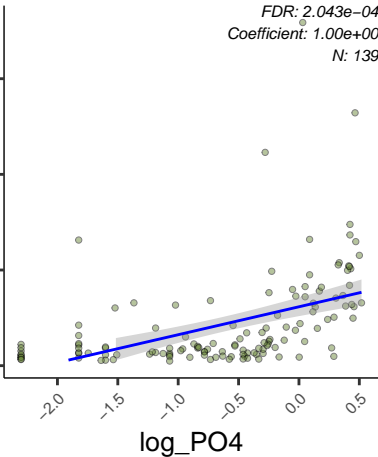
-1.0

-0.5

0.0

0.5

log_PO4



COG3182

FDR: 2.798e-04
Coefficient: 9.45e-01
N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

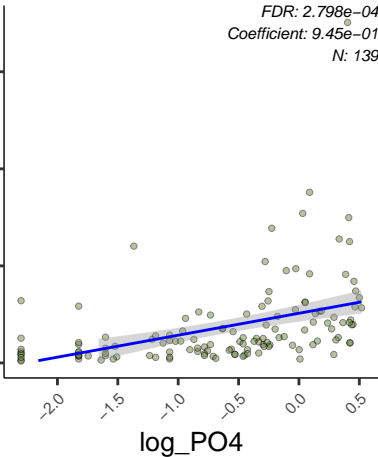
-1.0

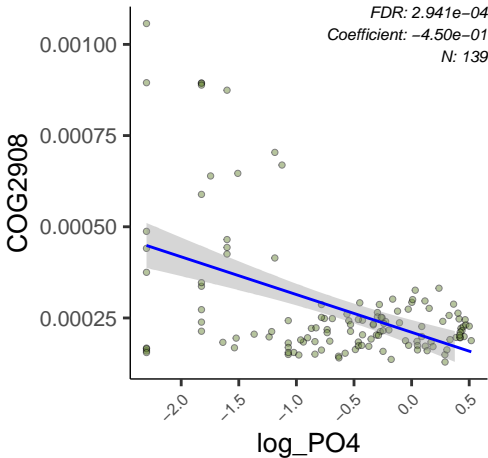
-0.5

0.0

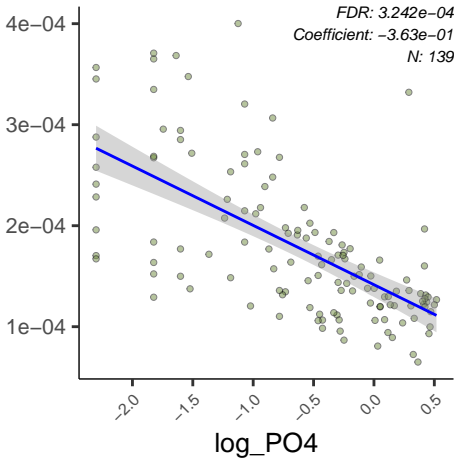
0.5

log_PO4

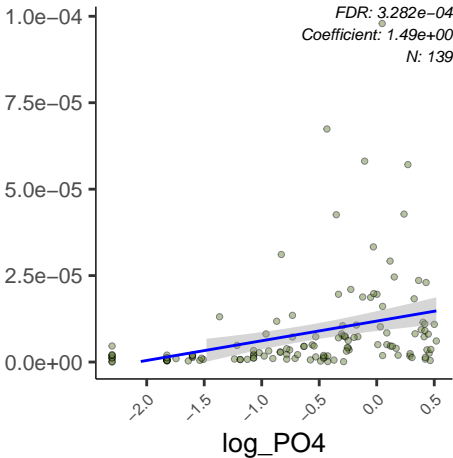




COG3638

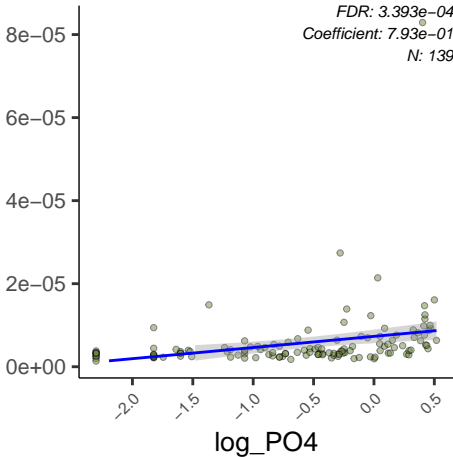


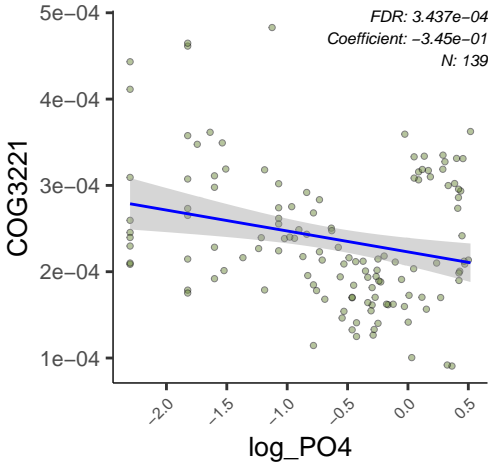
COG3489



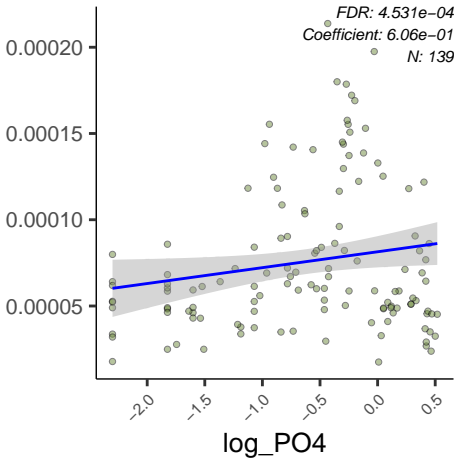
COG3886

FDR: 3.393e-04
Coefficient: 7.93e-01
N: 139





COG0748



COG3287

FDR: 4.812e-04

Coefficient: 1.25e+00

N: 139

6e-05

4e-05

2e-05

0e+00

log_PO4

-2.0

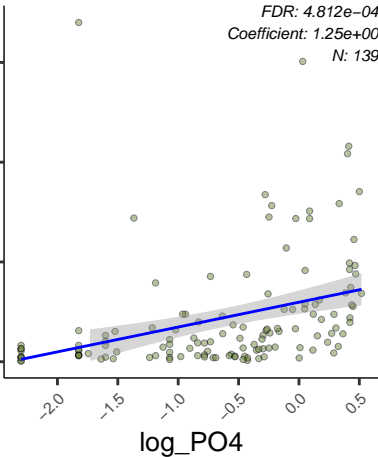
-1.5

-1.0

-0.5

0.0

0.5



COG4558

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

-0.5

0.0

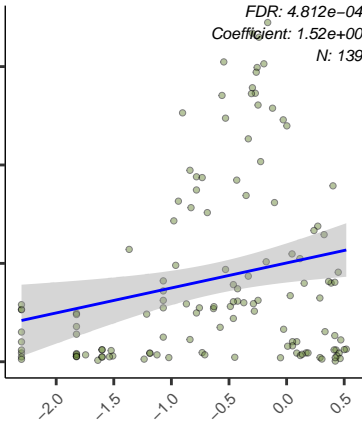
0.5

log_PO4

FDR: 4.812e-04

Coefficient: 1.52e+00

N: 139



COG0248

6e-04

4e-04

2e-04

-2.0

-1.5

-1.0

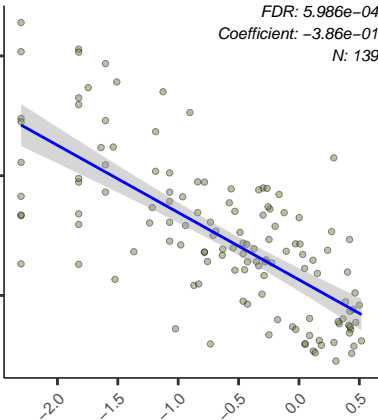
-0.5

0.0

0.5

log_PO4

FDR: 5.986e-04
Coefficient: -3.86e-01
N: 139



COG4247

0.00015

0.00010

0.00005

-2.0

-1.5

-1.0

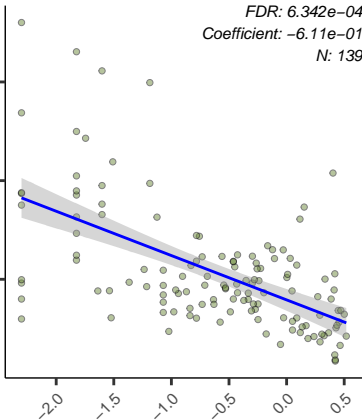
-0.5

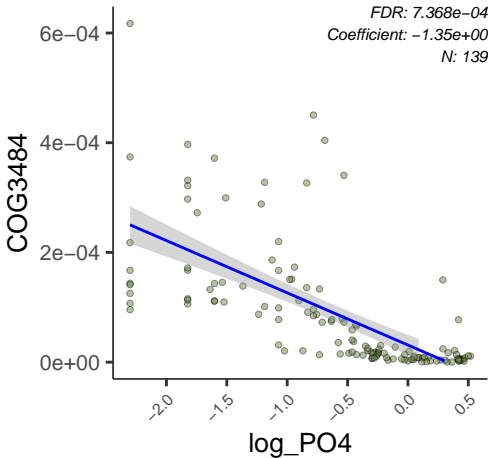
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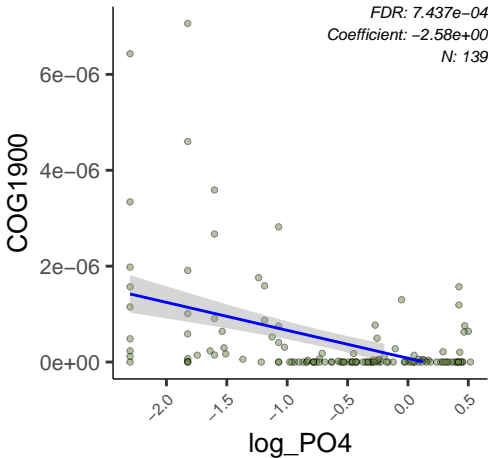
0.5

log_PO4

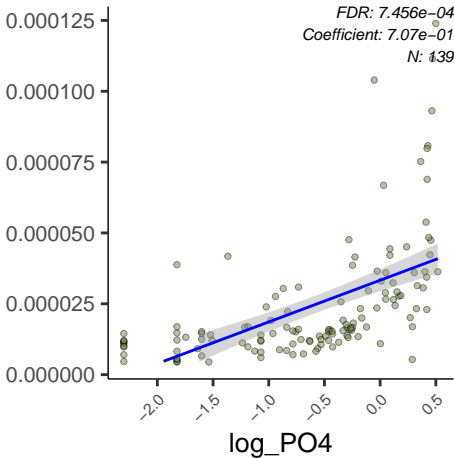
FDR: 6.342e-04
Coefficient: -6.11e-01
N: 139

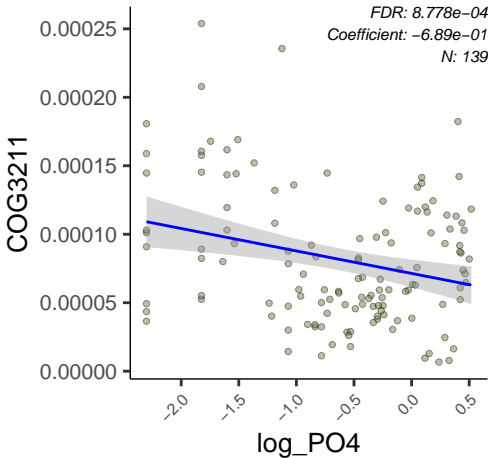




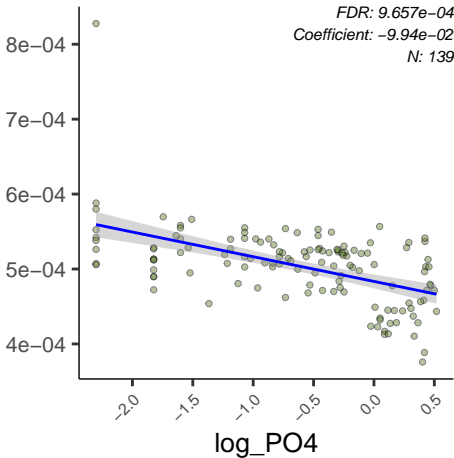


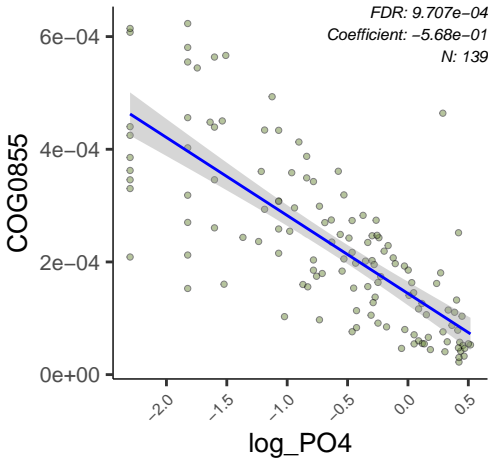
COG1887





COG0105





COG4275

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

-1.0

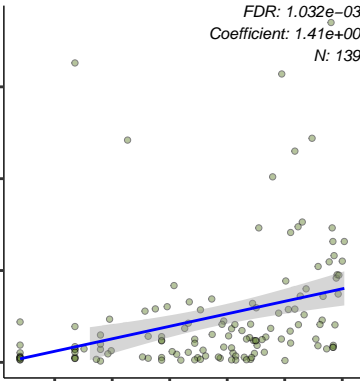
-0.5

0.0

0.5

log_PO4

FDR: 1.032e-03
Coefficient: 1.41e+00
N: 139



COG4559

FDR: 1.049e-03

Coefficient: 1.29e+00

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

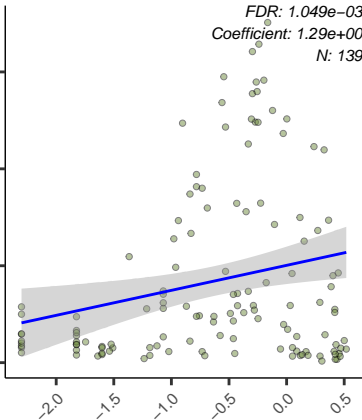
-1.0

-0.5

0.0

0.5

log_PO4



COG3057

FDR: 1.056e-03
Coefficient: 2.07e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

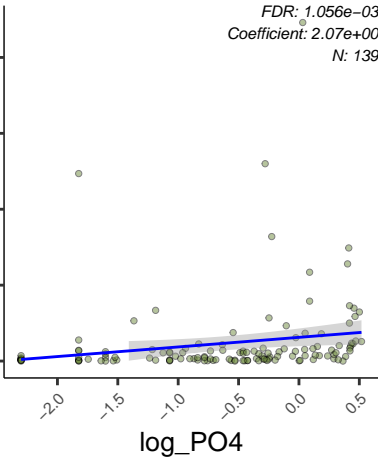
-1.0

-0.5

0.0

0.5

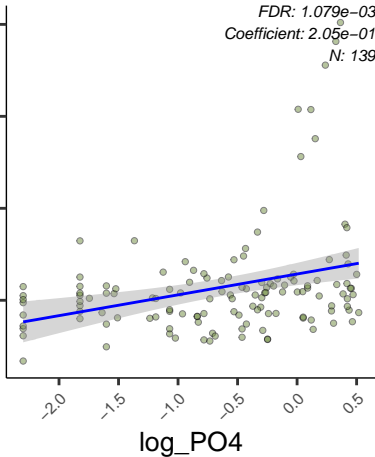
log_PO4



COG0488

FDR: 1.079e-03
Coefficient: 2.05e-01
N: 139

0.0015
0.0012
0.0009
0.0006



\log_PO4

COG4138

FDR: 1.283e-03

Coefficient: 1.94e+00

N: 139

3e-05

2e-05

1e-05

0e+00

log_PO4

-2.0

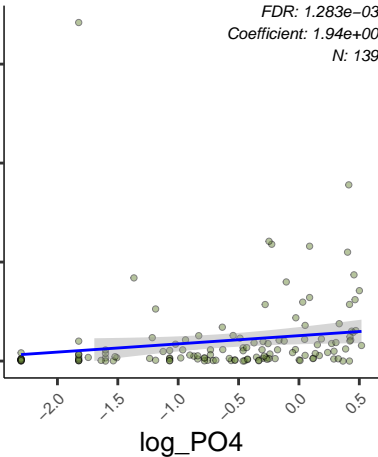
-1.5

-1.0

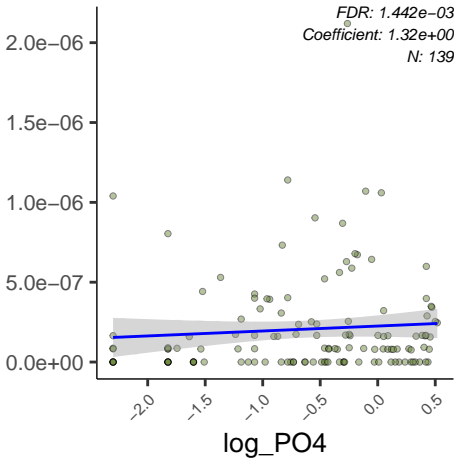
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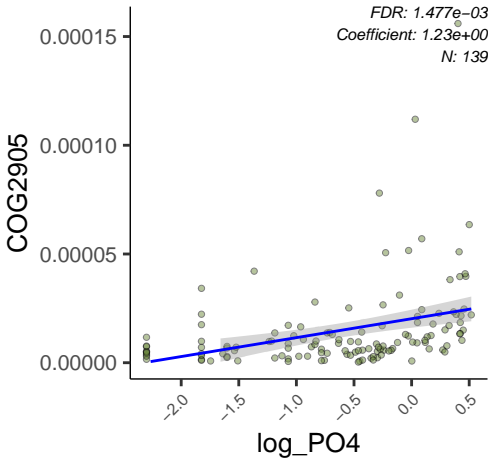
0.0

0.5



COG4794





COG0343

0.00070
0.00065
0.00060
0.00055
0.00050

-2.0

-1.5

-1.0

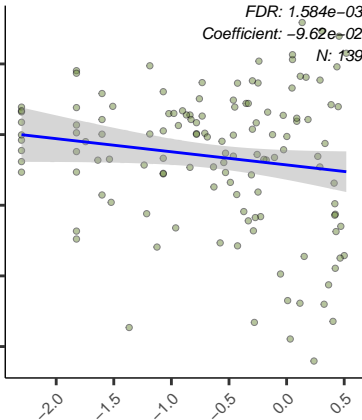
-0.5

0.0

0.5

log_PO4

FDR: 1.584e-03
Coefficient: -9.62e-02
N: 139



COG5421

FDR: 1.701e-03
Coefficient: 1.71e+00
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

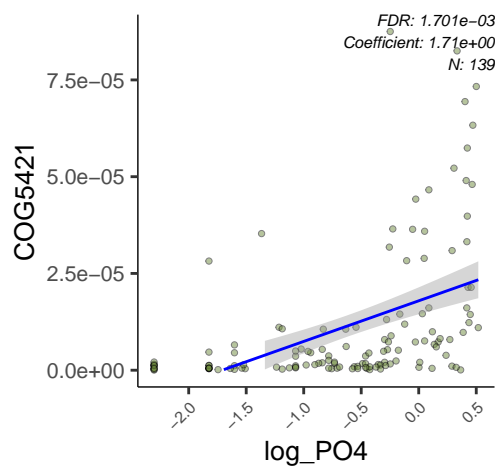
-1.0

-0.5

0.0

0.5

log_PO4



COG3934

FDR: 1.782e-03
Coefficient: 1.18e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

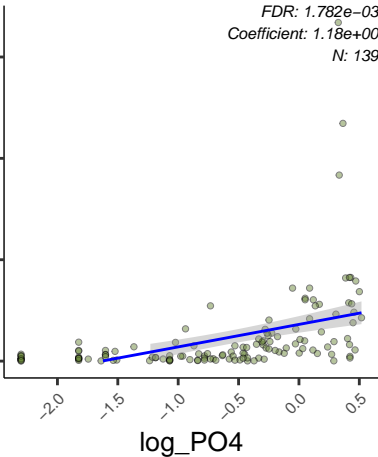
-1.0

-0.5

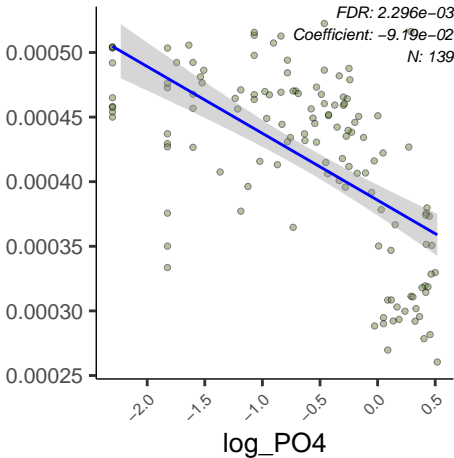
0.0

0.5

log_PO4



COG1546



COG3440

FDR: 2.378e-03

Coefficient: 3.56e-01

N: 139

6e-05

4e-05

2e-05

-2.0

-1.5

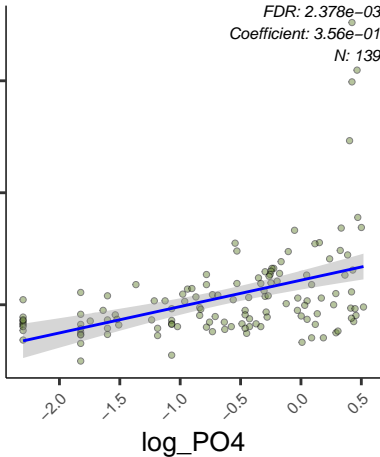
-1.0

-0.5

0.0

0.5

log_PO4



COG1672

FDR: $2.404e-03$

Coefficient: $1.34e+00$

N: 139

$2e-05$

$1e-05$

$0e+00$

-2.0

-1.5

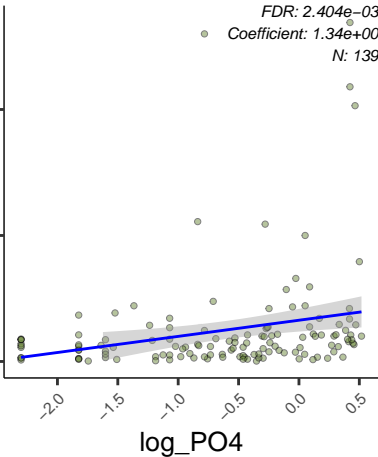
-1.0

-0.5

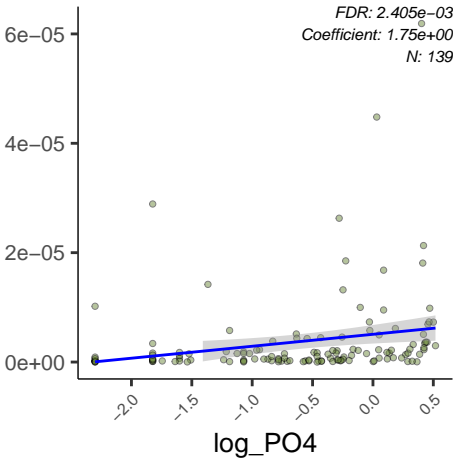
0.0

0.5

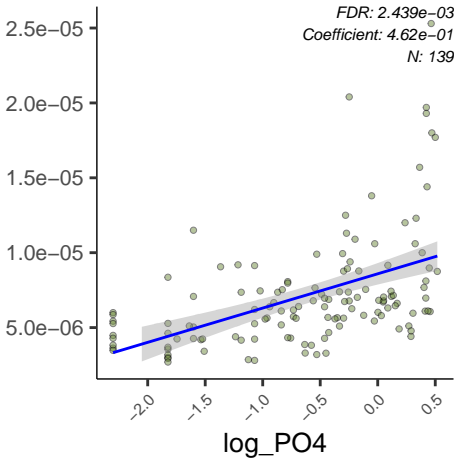
log_PO4

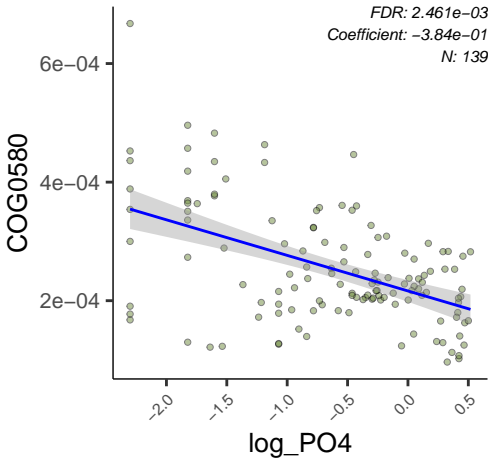


COG4785



COG3586





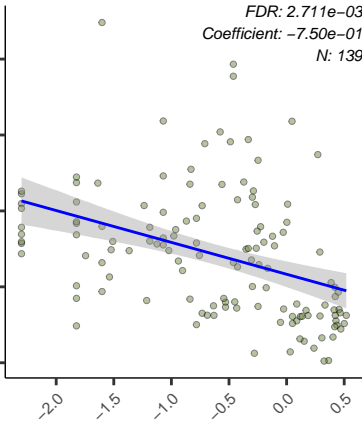
COG3409

0.00020
0.00015
0.00010
0.00005
0.00000

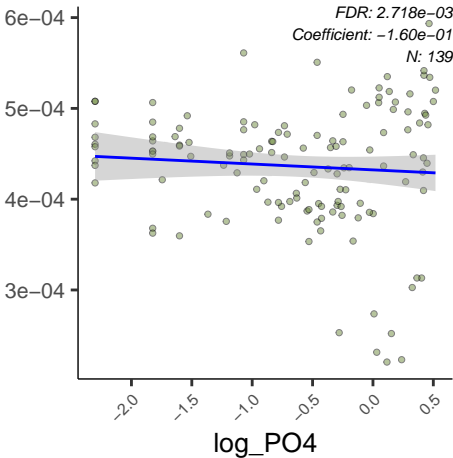
-2.0 -1.5 -1.0 -0.5 0.0 0.5

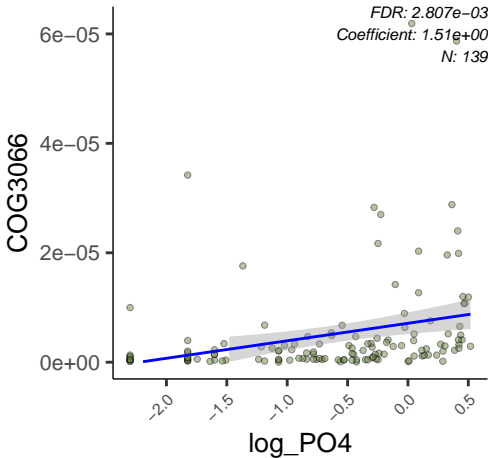
log_PO4

FDR: 2.711e-03
Coefficient: -7.50e-01
N: 139



COG0377





COG3708

FDR: 2.812e-03

Coefficient: 1.23e+00

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

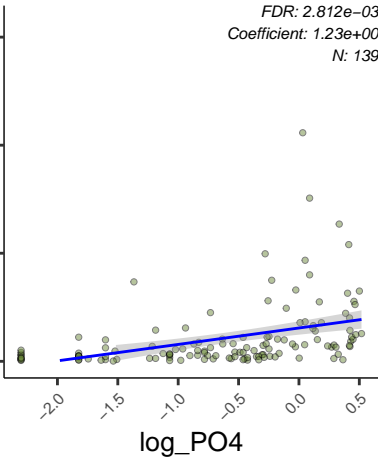
-1.0

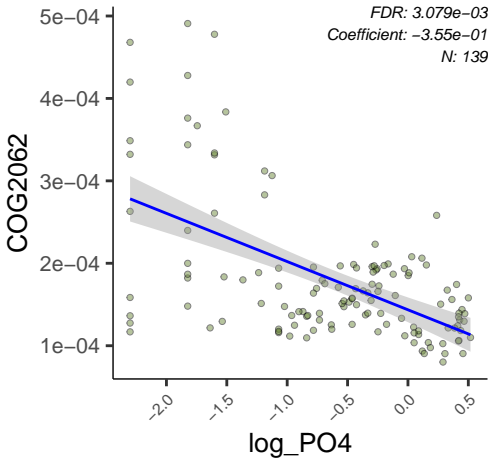
-0.5

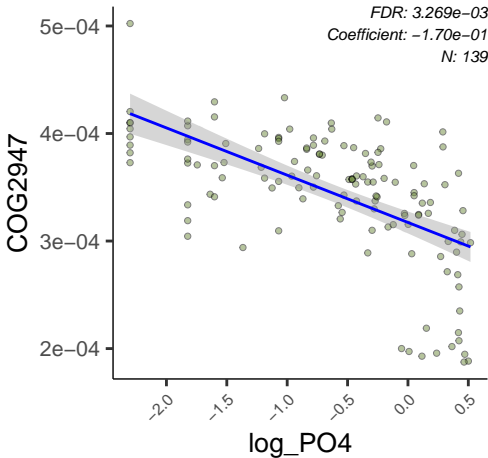
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0.5

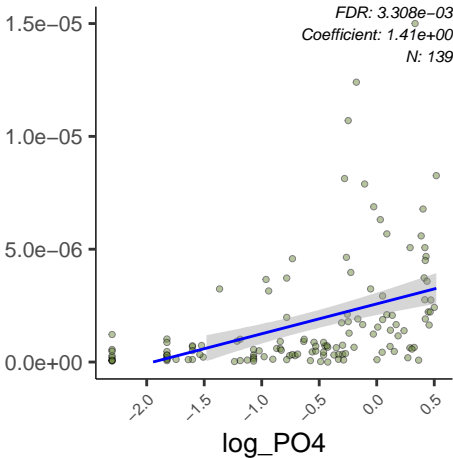
log_PO4







COG4804



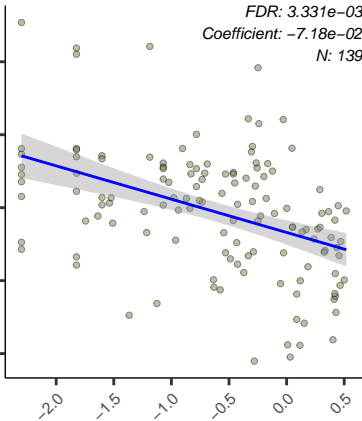
COG0024

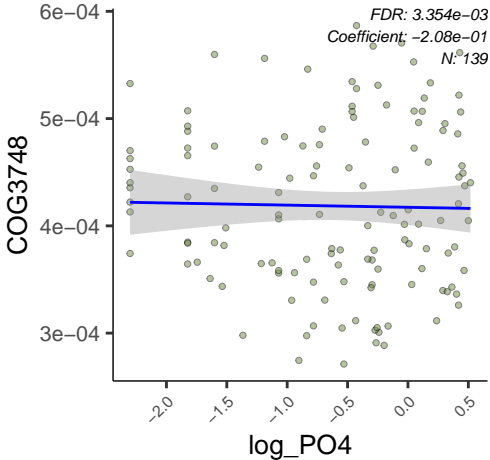
0.00070
0.00065
0.00060
0.00055
0.00050

-2.0 -1.5 -1.0 -0.5 0.0 0.5

log_PO4

FDR: 3.331e-03
Coefficient: -7.18e-02
N: 139





COG0103

FDR: 3.435e-03

Coefficient: -8.32e-02

N: 139

6e-04

5e-04

4e-04

-2.0

-1.5

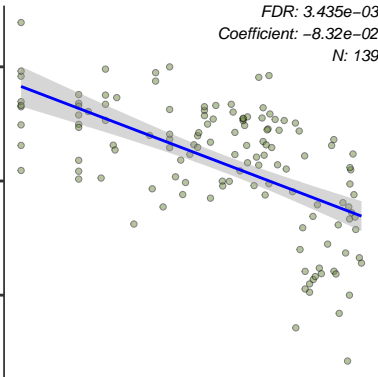
-1.0

-0.5

0.0

0.5

log_PO4



COG1510

FDR: 3.516e-03

Coefficient: 7.27e-01

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

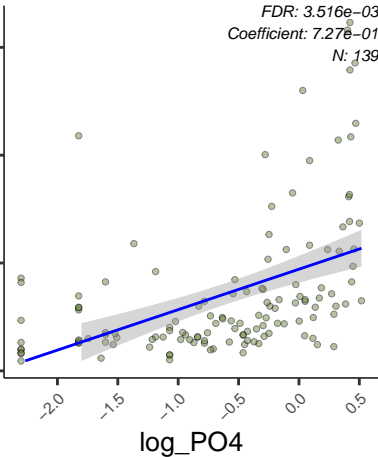
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-0.5

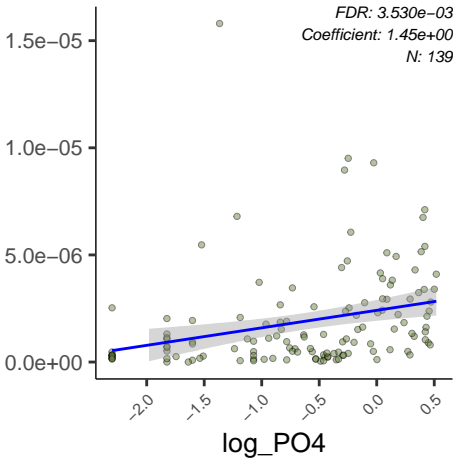
0.0

0.5

log_PO4



COG4922



COG4334

FDR: 3.537e-03
Coefficient: 1.49e+00
N: 139

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

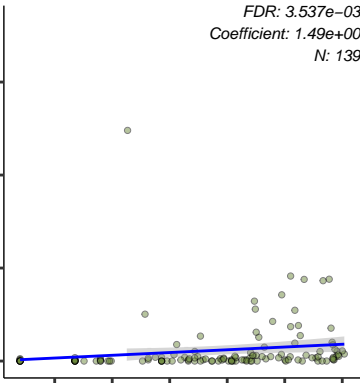
-1.0

-0.5

0.0

0.5

log_PO4



COG0592

FDR: 3.628e-03

Coefficient: -9.36e-02

N: 139

8e-04

7e-04

6e-04

-2.0

-1.5

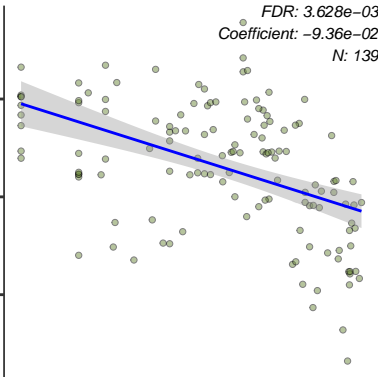
-1.0

-0.5

0.0

0.5

log_PO4



COG1854

1e-05

5e-06

0e+00

FDR: 3.676e-03

Coefficient: 1.63e+00

N: 139

-2.0

-1.5

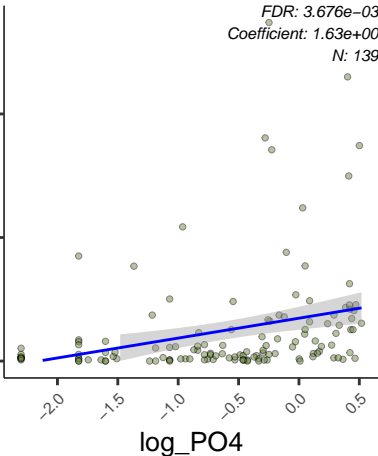
-1.0

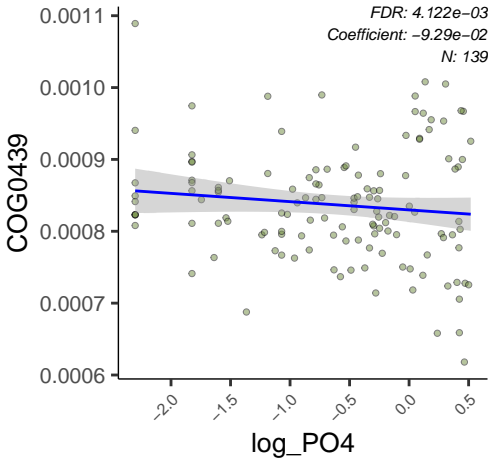
-0.5

0.0

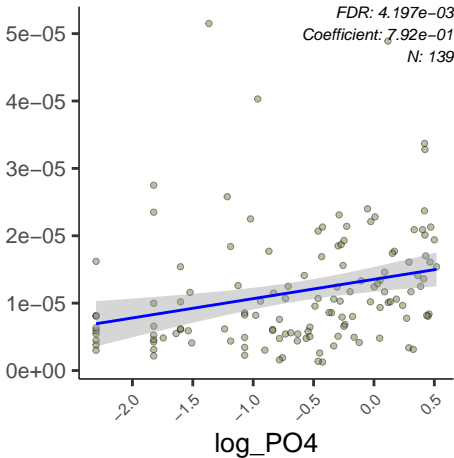
0.5

log_PO4



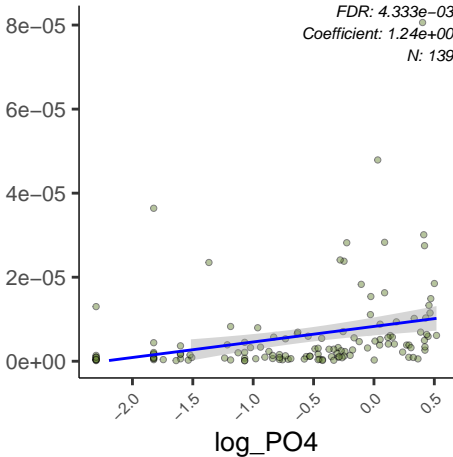


COG5525



COG3106

FDR: 4.333e-03
Coefficient: 1.24e+00
N: 139



COG2900

FDR: 4.382e-03
Coefficient: 1.55e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

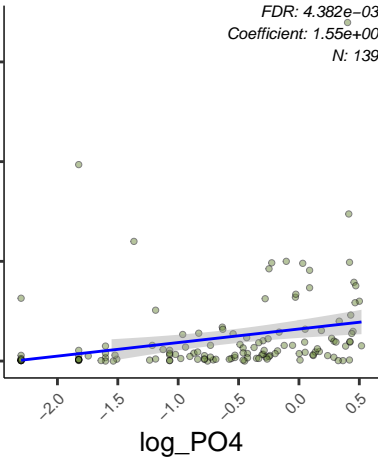
-1.0

-0.5

0.0

0.5

log_PO4



COG1444

FDR: 4.604e-03
Coefficient: 1.33e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

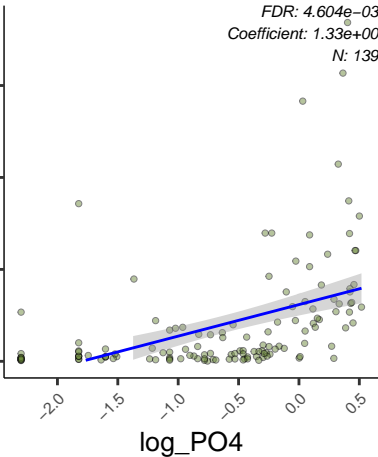
-1.0

-0.5

0.0

0.5

log_PO4



COG0237

FDR: 4.604e-03

Coefficient: -8.48e-02

N: 139

6e-04

5e-04

4e-04

-2.0

-1.5

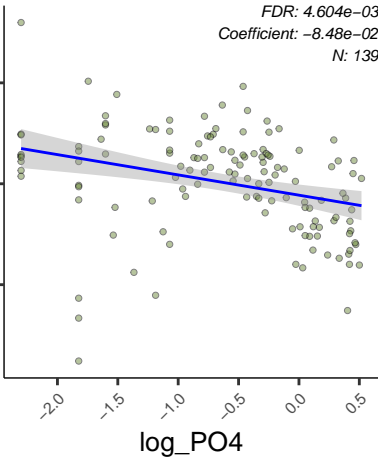
-1.0

-0.5

0.0

0.5

log_PO4



COG4943

FDR: 4.877e-03
Coefficient: 1.60e+00
N: 139

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

-2.0

-1.5

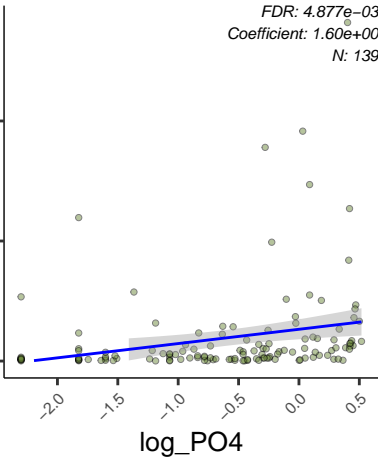
-1.0

-0.5

0.0

0.5

log_PO4



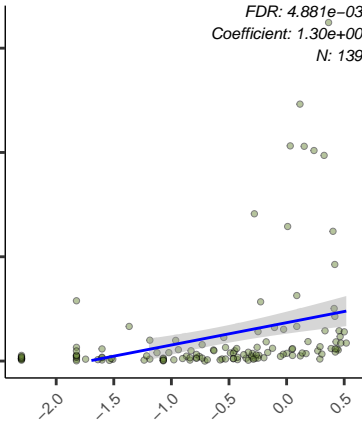
COG4628

FDR: 4.881e-03
Coefficient: 1.30e+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



COG3187

FDR: 4.982e-03
Coefficient: 1.09e+00
N: 139

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

-2.0

-1.5

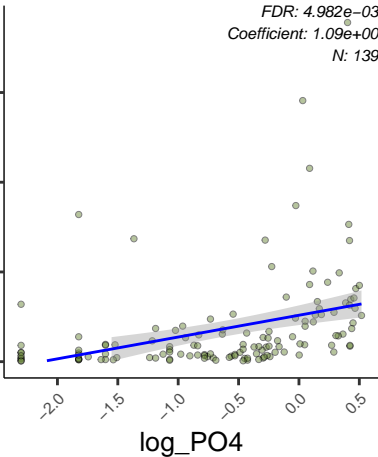
-1.0

-0.5

0.0

0.5

log_PO4



COG4230

FDR: 5.093e-03
Coefficient: 3.66e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

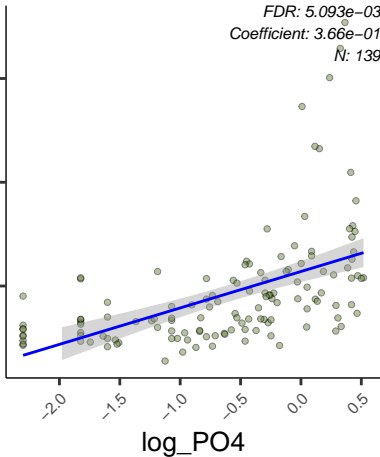
-1.0

-0.5

0.0

0.5

log_PO4



COG2336

FDR: 5.391e-03
Coefficient: 1.31e+00
N: 139

2e-05

1e-05

0e+00

-2.0

-1.5

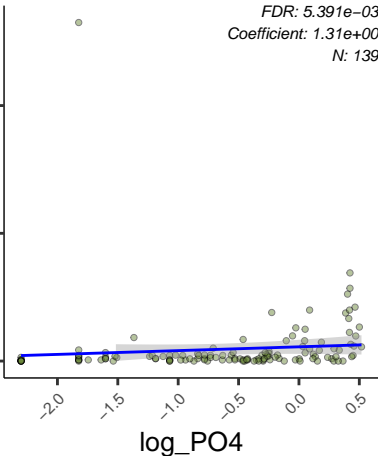
-1.0

-0.5

0.0

0.5

log_PO4



COG1059

FDR: 5.398e-03
Coefficient: -1.69e+00
N: 139

9e-06

6e-06

3e-06

0e+00

-2.0

-1.5

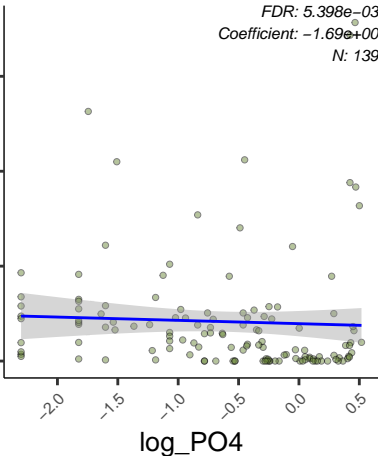
-1.0

-0.5

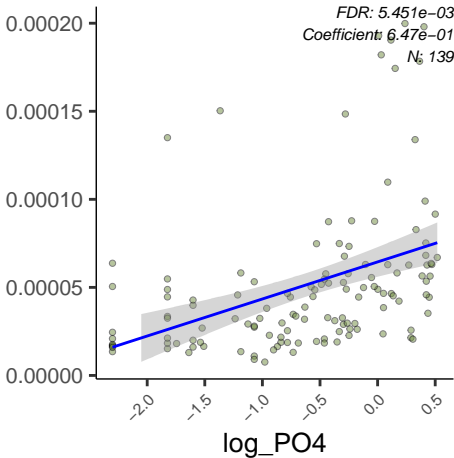
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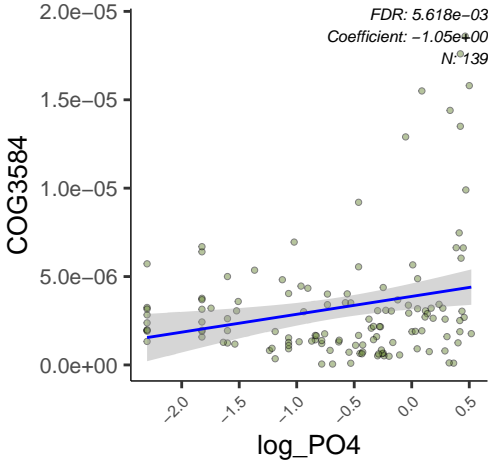
0.5

log_PO4



COG1349





COG1167

FDR: 5.652e-03
Coefficient: 2.47e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

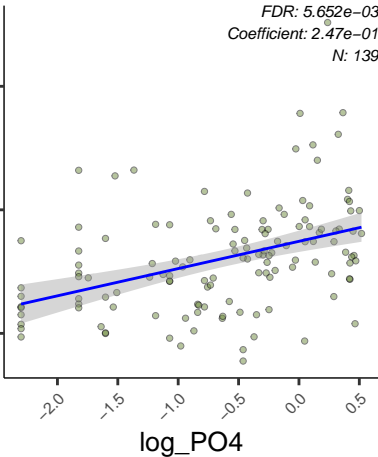
-1.0

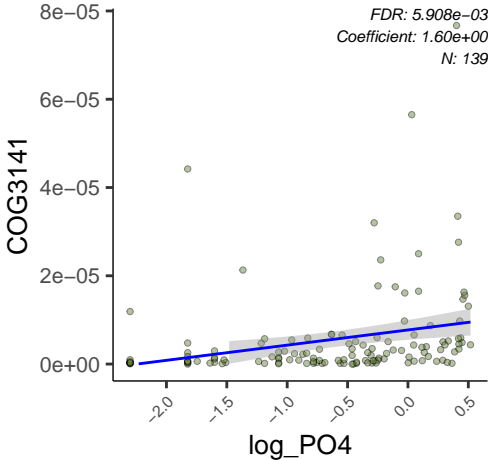
-0.5

0.0

0.5

log_PO4





COG3184

FDR: 5.931e-03
Coefficient: 1.76e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

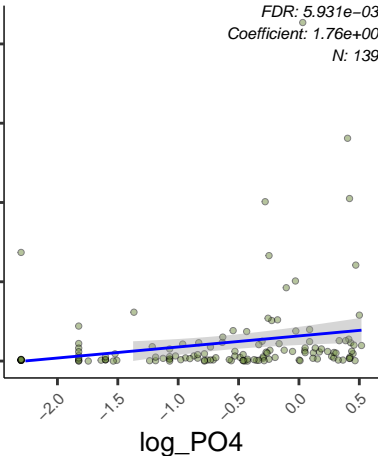
-1.0

-0.5

0.0

0.5

log_PO4



COG3076

FDR: 6.061e-03
Coefficient: 1.66e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

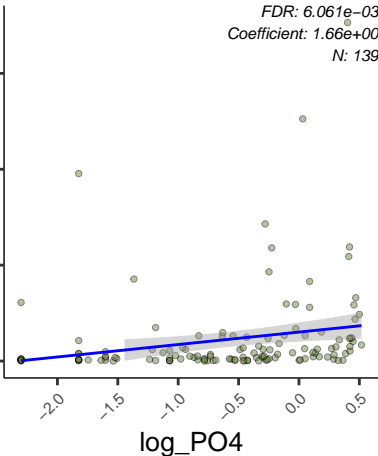
-1.0

-0.5

0.0

0.5

log_PO4



COG4861

FDR: 6.225e-03
Coefficient: 1.55e+00
N: 139

4e-05

2e-05

0e+00

-2.0

-1.5

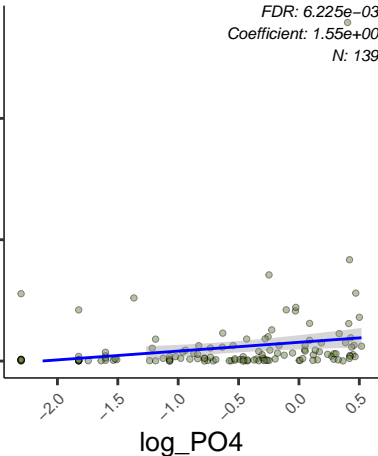
-1.0

-0.5

0.0

0.5

log_PO4



COG3068

FDR: 6.235e-03

Coefficient: 1.54e+00

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

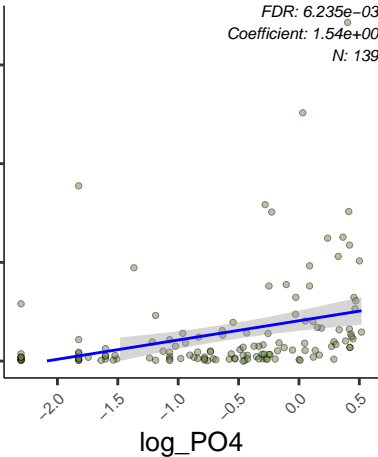
-1.0

-0.5

0.0

0.5

log_PO4



COG5016

FDR: 6.371e-03
Coefficient: 2.91e-01
N: 139

2e-04

1e-04

-2.0

-1.5

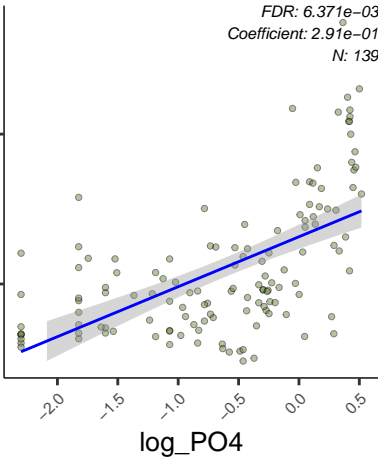
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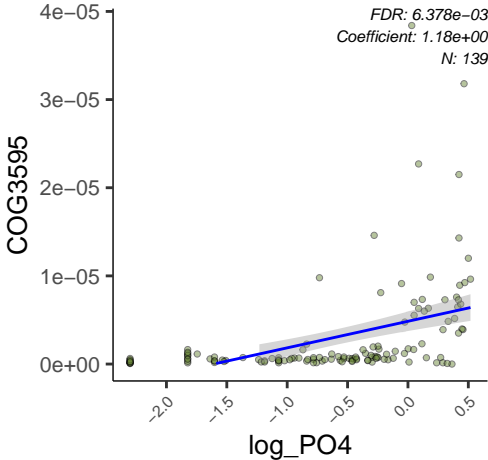
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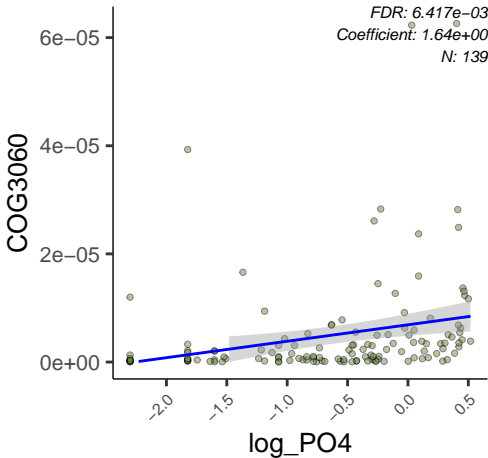
0.0

0.5

log_PO4







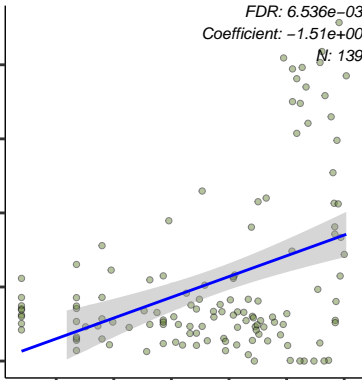
COG2178

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: 6.536e-03
Coefficient: -1.51e+00
N: 139



COG4568

FDR: 6.589e-03

Coefficient: 1.77e+00

N: 139

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

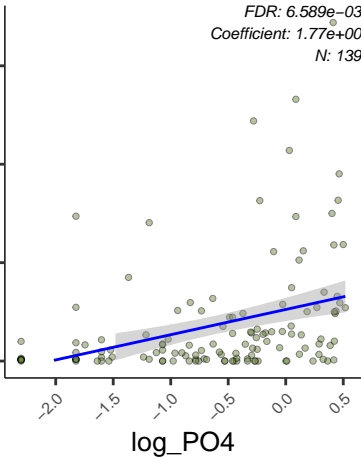
-1.0

-0.5

0.0

0.5

log_PO4



COG4845

FDR: 6.626e-03
Coefficient: 1.51e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

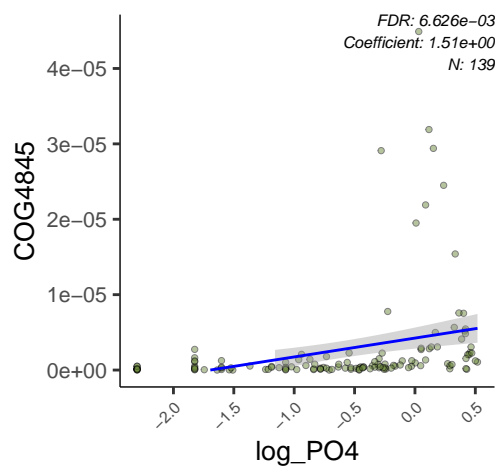
-1.0

-0.5

0.0

0.5

log_PO4



COG3266

FDR: 6.643e-03

Coefficient: 1.32e+00

N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

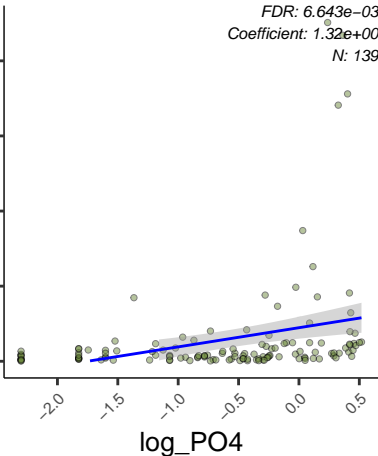
-1.0

-0.5

0.0

0.5

log_PO4



COG3655

FDR: 6.753e-03
Coefficient: 6.37e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

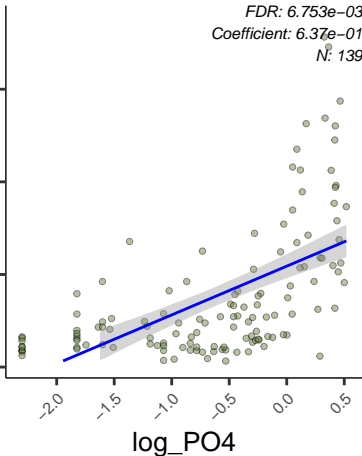
-1.0

-0.5

0.0

0.5

log_PO4



COG3789

FDR: 6.898e-03
Coefficient: 1.48e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

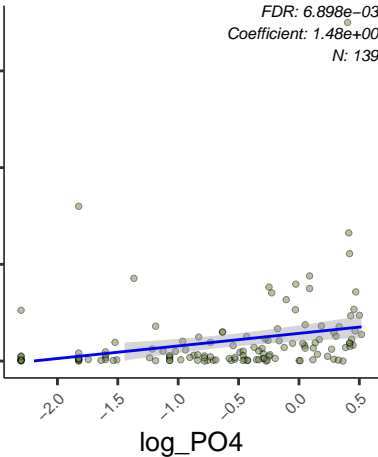
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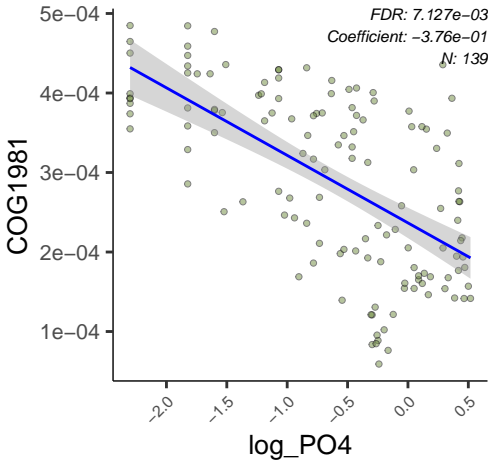
-0.5

0.0

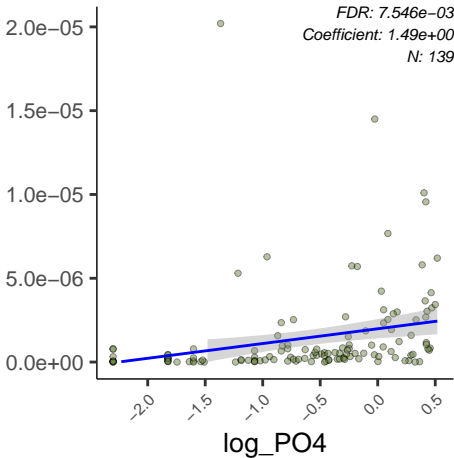
0.5

log_PO4





COG4271



COG2183

FDR: 7.689e-03
Coefficient: 7.68e-01
N: 139

1e-04

5e-05

0e+00

-2.0

-1.5

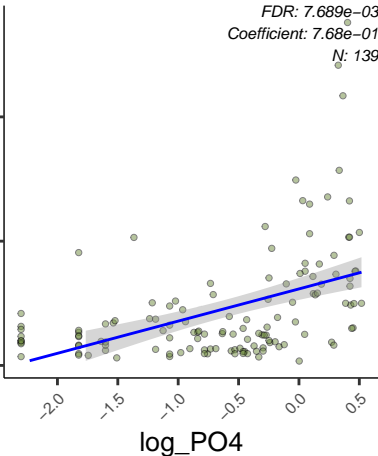
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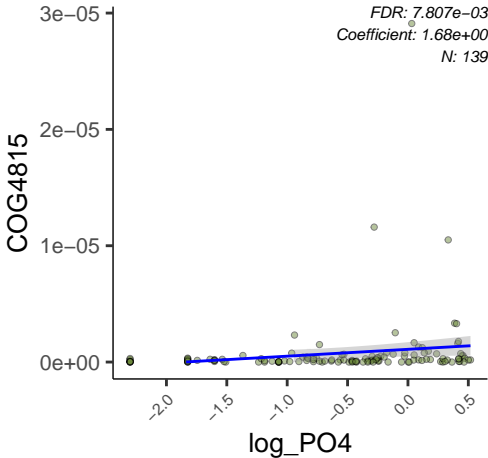
-0.5

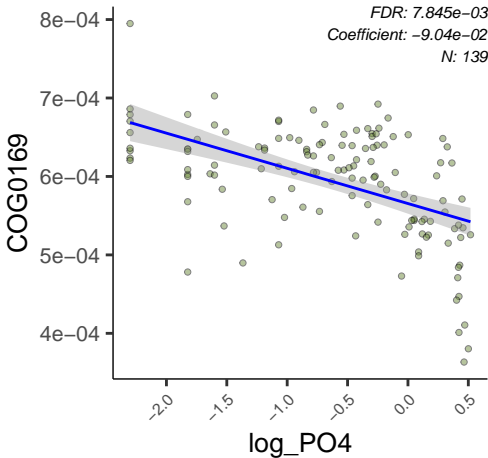
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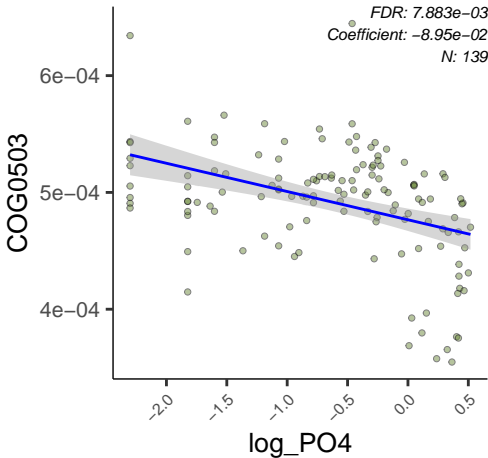
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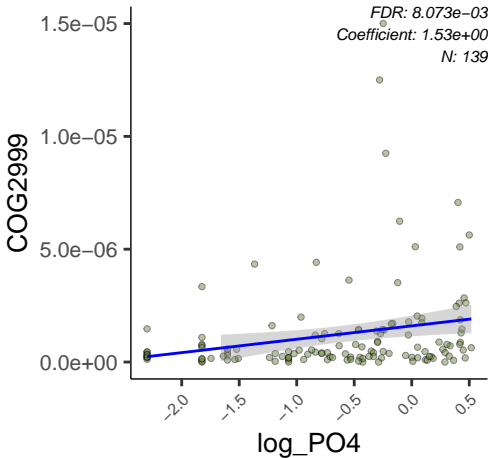
log_PO4











COG5293

FDR: 8.137e-03
Coefficient: 1.46e+00
N: 139

6e-06

4e-06

2e-06

0e+00

-2.0

-1.5

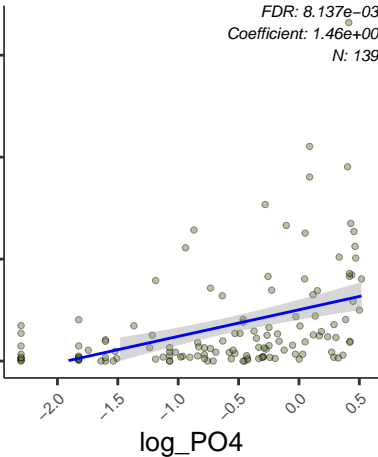
-1.0

-0.5

0.0

0.5

log_PO4



COG2813

FDR: 8.341e-03
Coefficient: 4.80e-01
N: 139

0.00020

0.00015

0.00010

0.00005

-2.0

-1.5

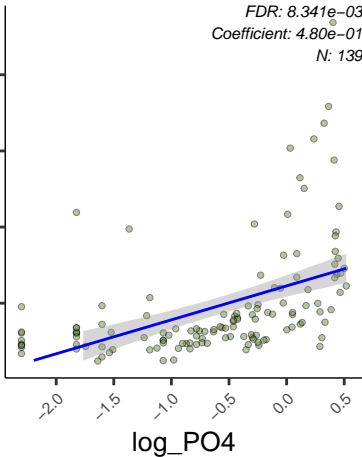
-1.0

-0.5

0.0

0.5

log_PO4



COG2269

FDR: 8.518e-03

Coefficient: 4.44e-01

N: 139

0.00016

0.00012

0.00008

0.00004

-2.0

-1.5

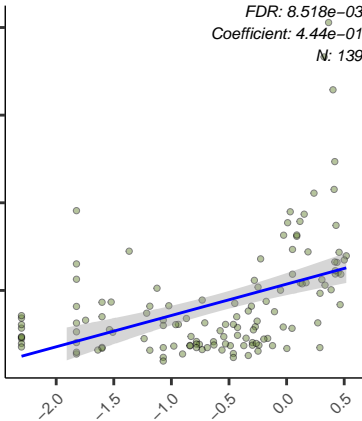
-1.0

-0.5

0.0

0.5

log_PO4



COG4291

FDR: 8.537e-03

Coefficient: -1.60e+00

N: 139

8e-06

6e-06

4e-06

2e-06

0e+00

-2.0

-1.5

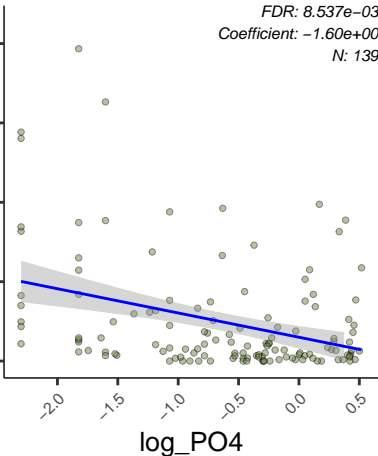
-1.0

-0.5

0.0

0.5

log_PO4



COG3296

FDR: 8.639e-03
Coefficient: 9.26e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

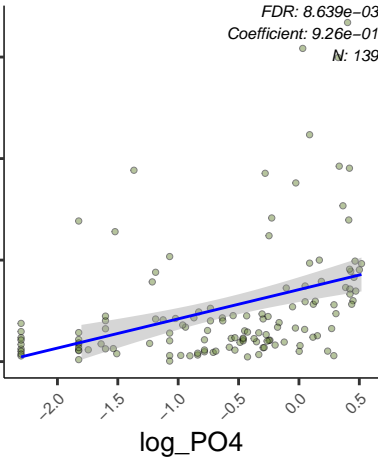
-1.0

-0.5

0.0

0.5

log_PO4



COG1386

FDR: 9.258e-03

Coefficient: -9.89e-02

N: 139

5e-04

4e-04

3e-04

-2.0

-1.5

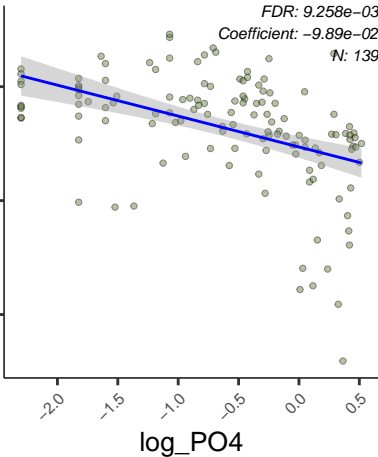
-1.0

-0.5

0.0

0.5

log_PO4



COG3656

FDR: 9.517e-03
Coefficient: 1.26e+00
N: 139

4e-05

2e-05

0e+00

-2.0

-1.5

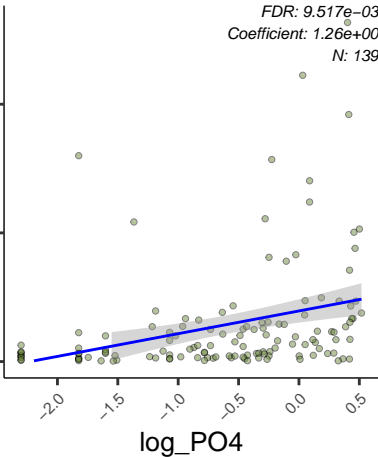
-1.0

-0.5

0.0

0.5

log_PO4



COG4564

FDR: 9.558e-03

Coefficient: 9.11e-01

N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

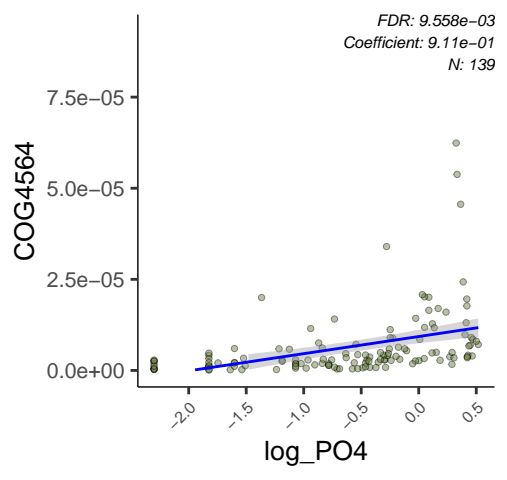
-1.0

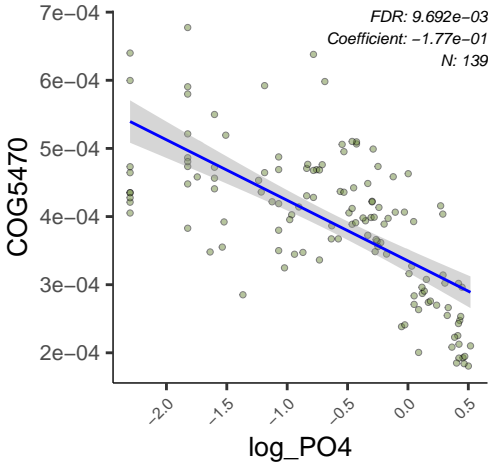
-0.5

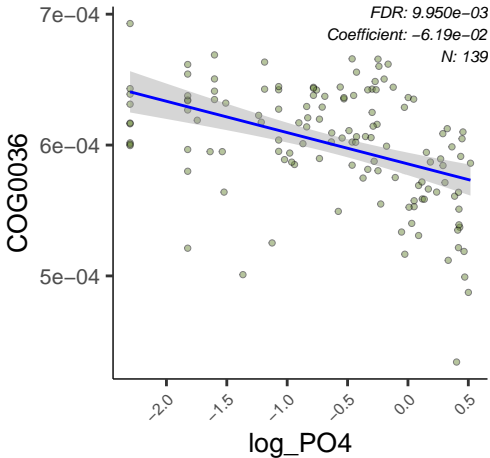
0.0

0.5

log_PO4







COG4945

FDR: 1.025e-02

Coefficient: -1.50e+00

N: 139

8e-05

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

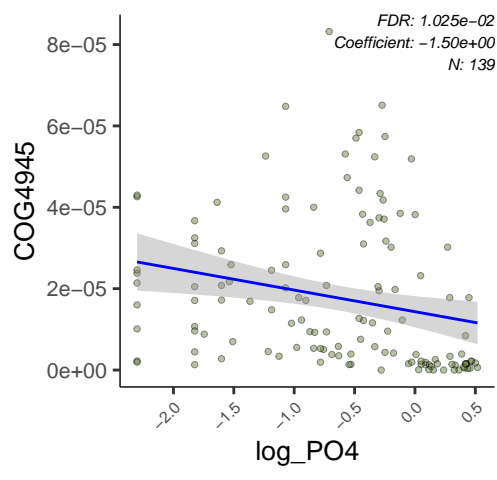
-1.0

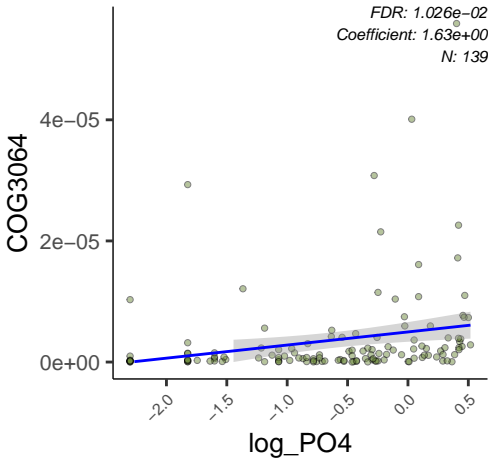
-0.5

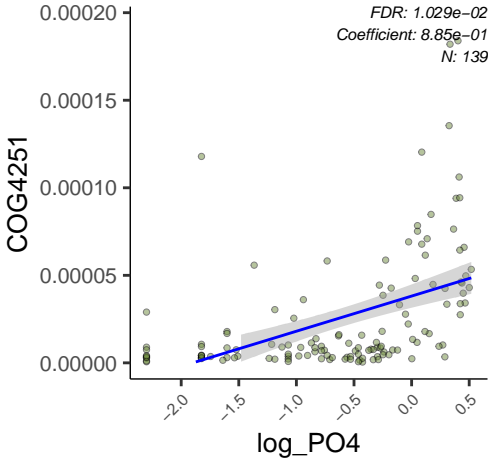
0.0

0.5

log_PO4







COG0413

FDR: 1.032e-02

Coefficient: -1.36e-01

N: 139

8e-04

7e-04

6e-04

5e-04

4e-04

3e-04

-2.0

-1.5

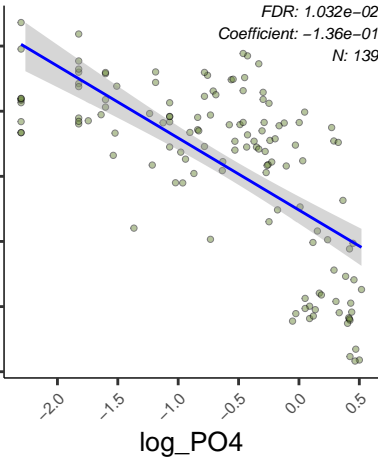
-1.0

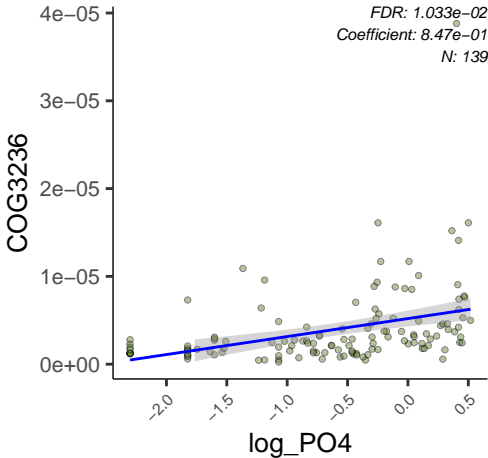
-0.5

0.0

0.5

log_PO4





COG4219

FDR: 1.049e-02
Coefficient: 1.08e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

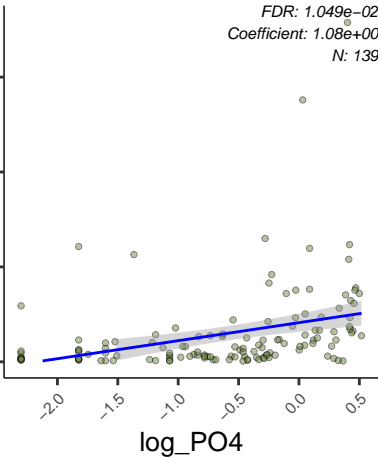
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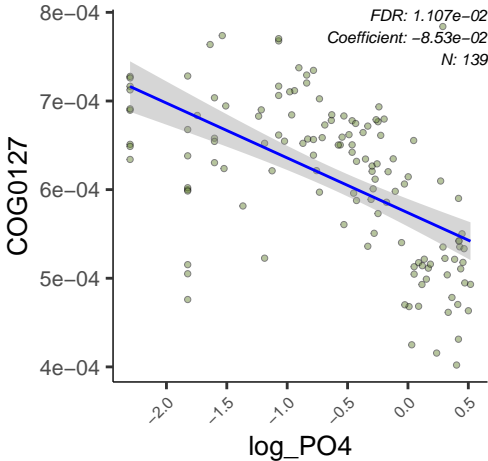
-0.5

0.0

0.5

log_PO4





COG2966

FDR: 1.115e-02
Coefficient: 1.25e+00
N: 139

6e-05

4e-05

2e-05

0e+00

log_PO4

-2.0

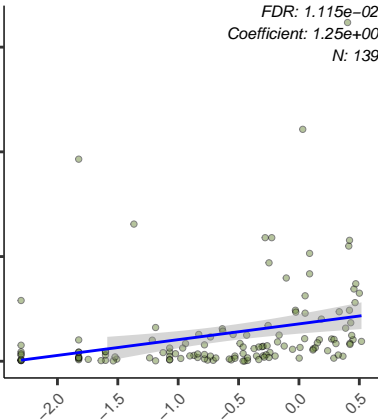
-1.5

-1.0

-0.5

0.0

0.5



COG1623

FDR: 1.125e-02

Coefficient: -1.47e+00

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

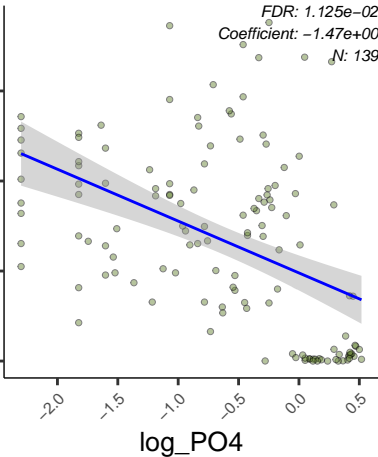
-1.0

-0.5

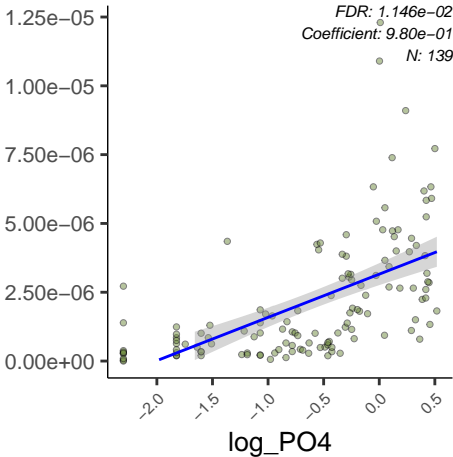
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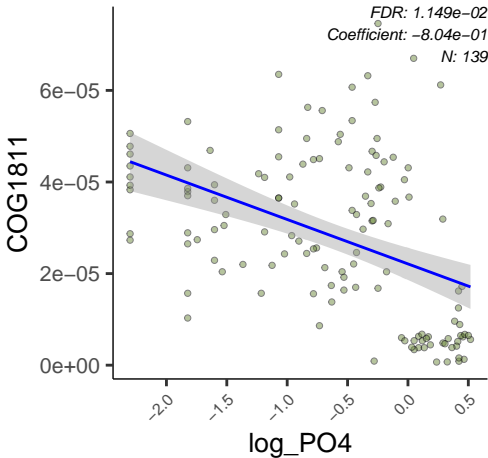
0.5

log_PO4



COG1124





COG5433

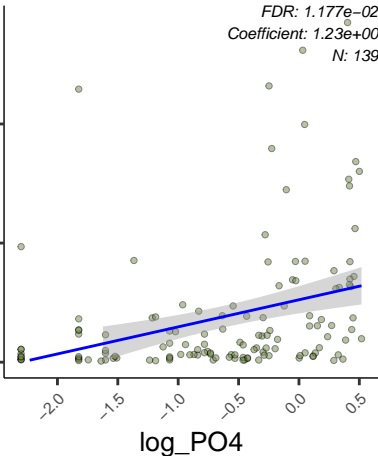
FDR: 1.177e-02
Coefficient: 1.23e+00
N: 139

1e-04

5e-05

0e+00

log_PO4



COG1074

4e-04

3e-04

2e-04

-2.0

-1.5

-1.0

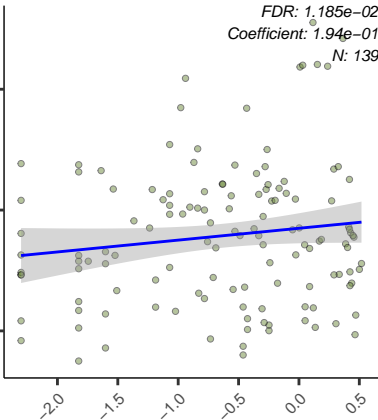
-0.5

0.0

0.5

log_PO4

FDR: 1.185e-02
Coefficient: 1.94e-01
N: 139



COG0489

FDR: 1.203e-02

Coefficient: -7.47e-02

N: 139

8e-04

7e-04

6e-04

-2.0

-1.5

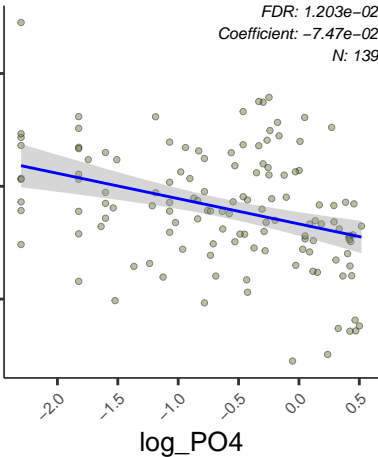
-1.0

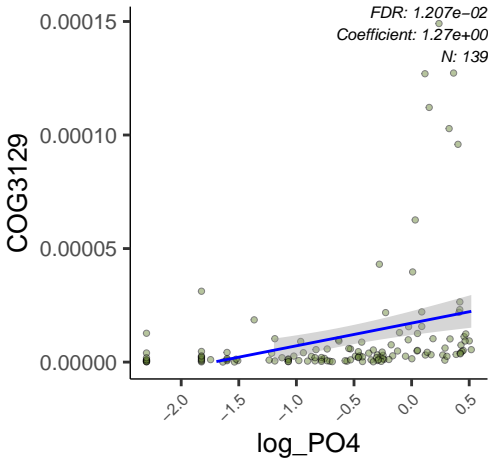
-0.5

0.0

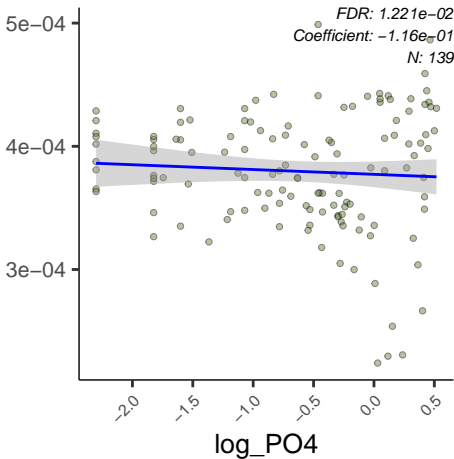
0.5

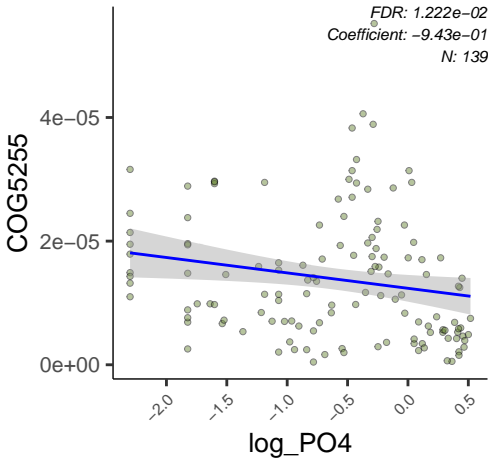
log_PO4





COG0713





COG5427

FDR: 1.233e-02

Coefficient: -2.00e+00

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

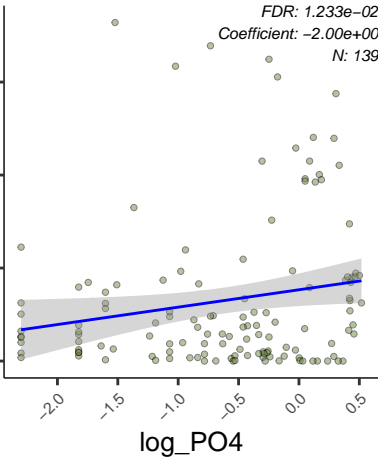
-1.0

-0.5

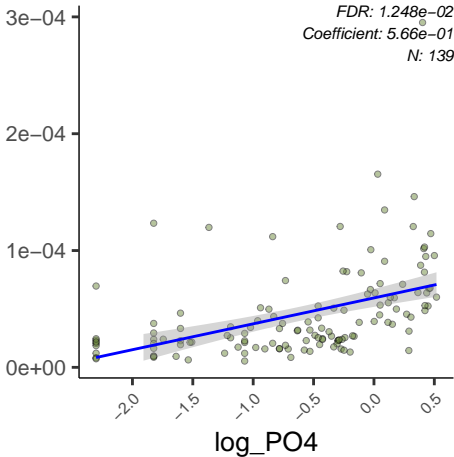
0.0

0.5

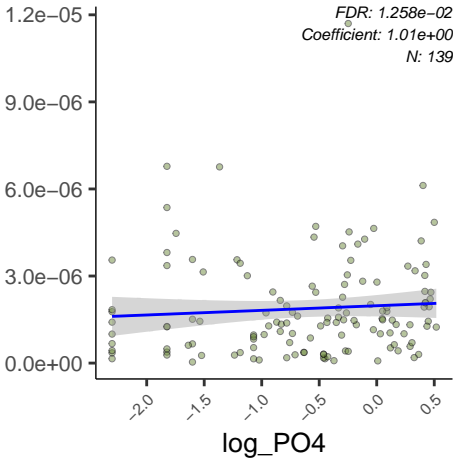
log_PO4



COG3712



COG3644



COG4519

FDR: 1.290e-02
Coefficient: 1.38e+00
N: 139

1e-05

5e-06

0e+00

-2.0

-1.5

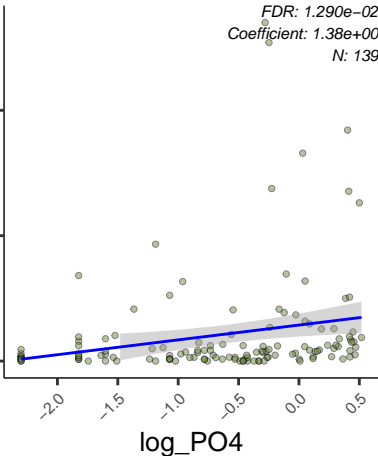
-1.0

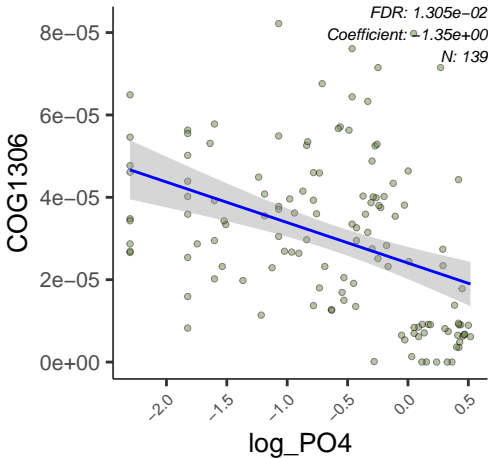
-0.5

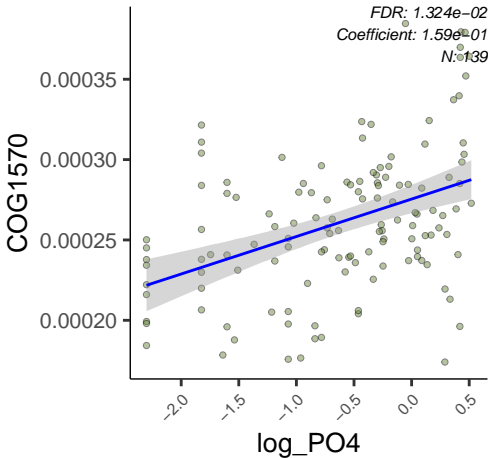
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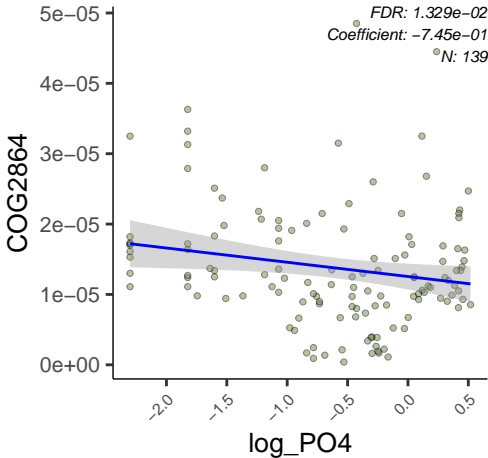
0.5

log_PO4









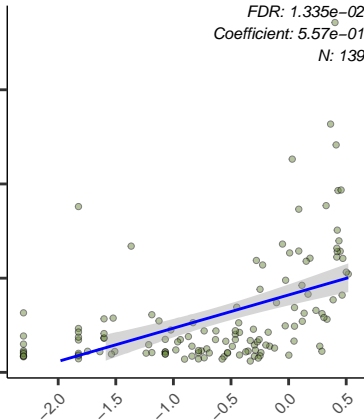
COG2716

FDR: 1.335e-02
Coefficient: 5.57e-01
N: 139

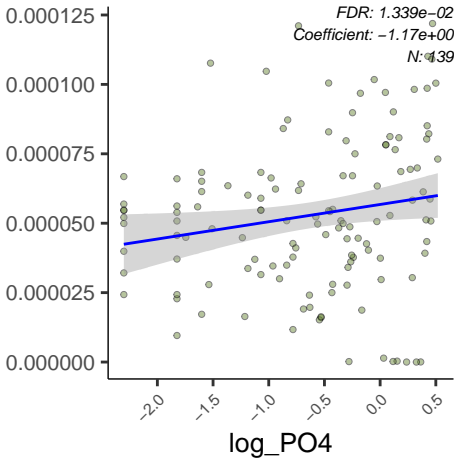
0.00015
0.00010
0.00005
0.00000

-2.0 -1.5 -1.0 -0.5 0.0 0.5

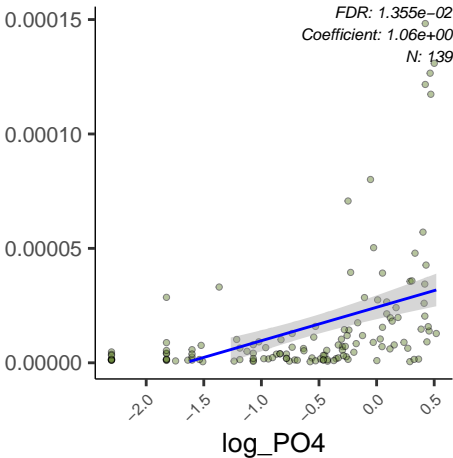
log_PO4

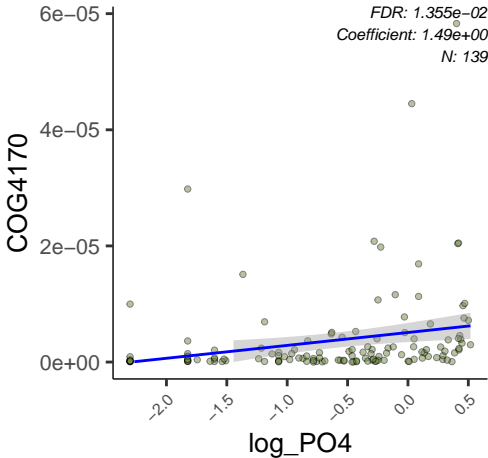


COG3872



COG3415





COG0255

FDR: 1.357e-02

Coefficient: 2.57e-01

N: 139

0.00020

0.00015

0.00010

0.00005

-2.0

-1.5

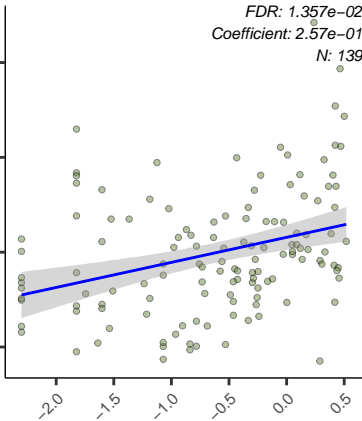
-1.0

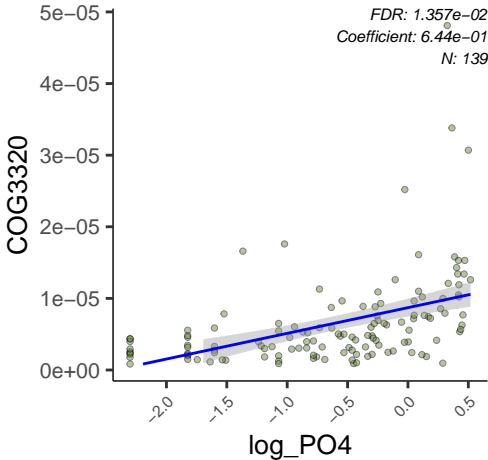
-0.5

0.0

0.5

log_PO4





COG2815

FDR: 1.359e-02

Coefficient: -7.58e-01

N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

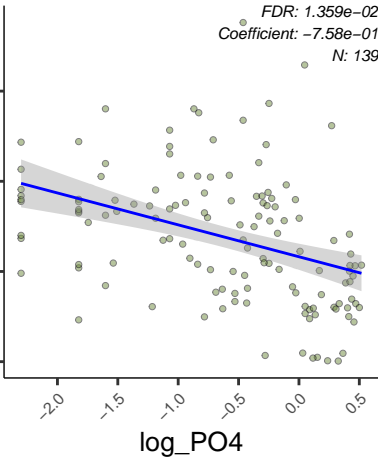
-1.0

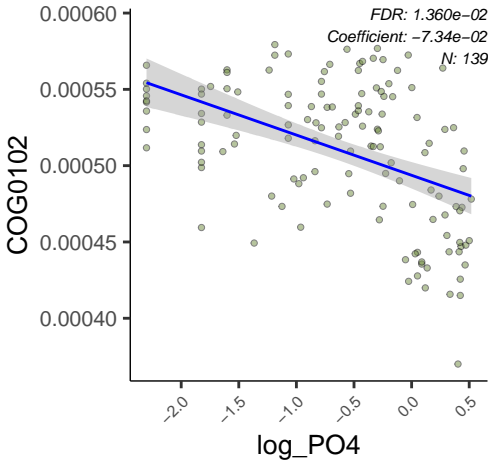
-0.5

0.0

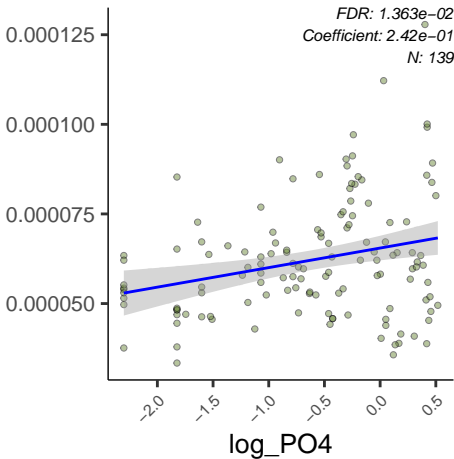
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log_PO4



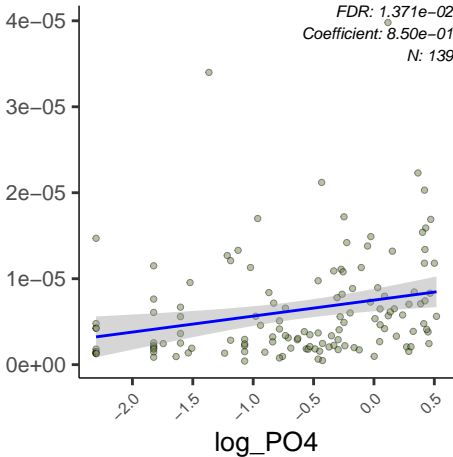


COG4096



COG5511

FDR: 1.371e-02
Coefficient: 8.50e-01
N: 139



COG4807

1e-04

5e-05

0e+00

FDR: 1.398e-02

Coefficient: 9.39e-01

N: 139

-2.0

-1.5

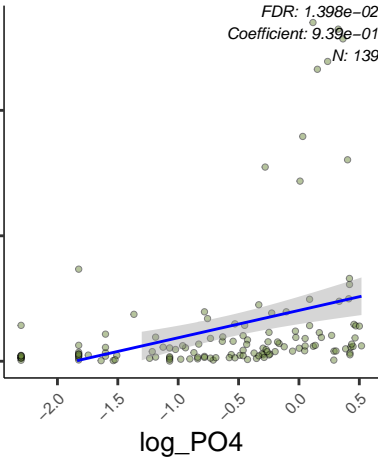
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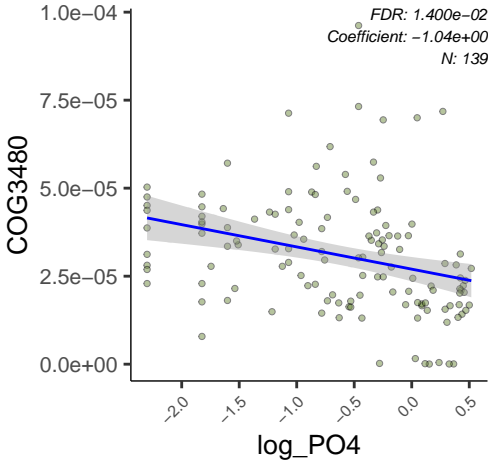
-0.5

0.0

0.5

log_PO4





COG1856

FDR: 1.410e-02

Coefficient: -1.60e+00

N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

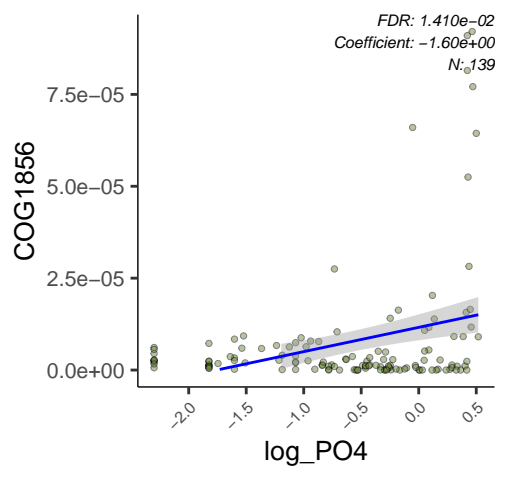
-1.0

-0.5

0.0

0.5

log_PO4



COG1819

FDR: 1.414e-02

Coefficient: -5.95e-01

N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

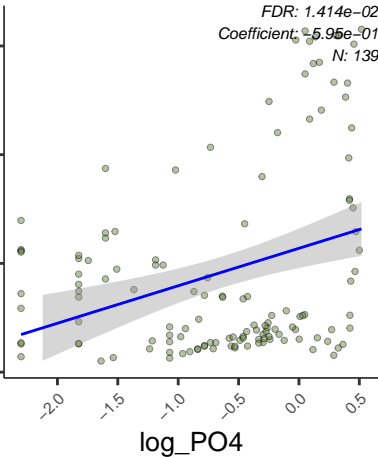
-1.0

-0.5

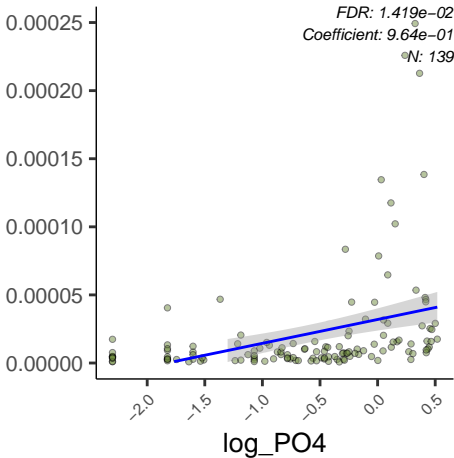
0.0

0.5

log_PO4



COG2824



COG3092

FDR: 1.440e-02
Coefficient: 1.53e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

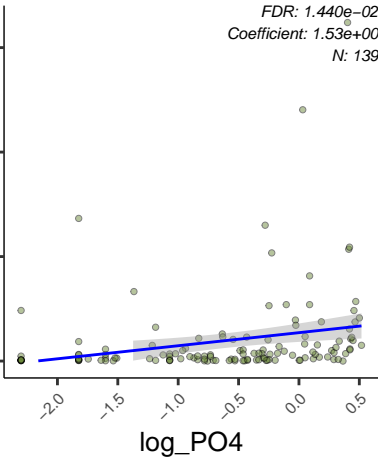
-1.0

-0.5

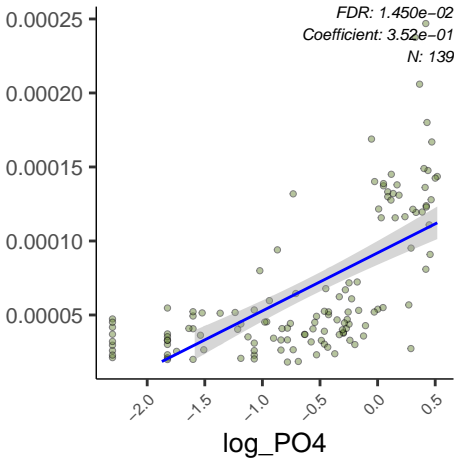
0.0

0.5

log_PO4



COG1368



COG0723

FDR: 1.453e-02

Coefficient: -9.61e-02

N: 139

7e-04

6e-04

5e-04

4e-04

-2.0

-1.5

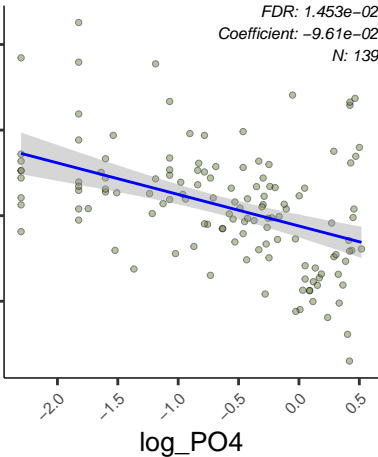
-1.0

-0.5

0.0

0.5

log_PO4



COG2852

FDR: $1.471\text{e-}02$
Coefficient: $1.27\text{e+}00$
N: 139

$1\text{e-}04$

$5\text{e-}05$

$0\text{e+}00$

-2.0

-1.5

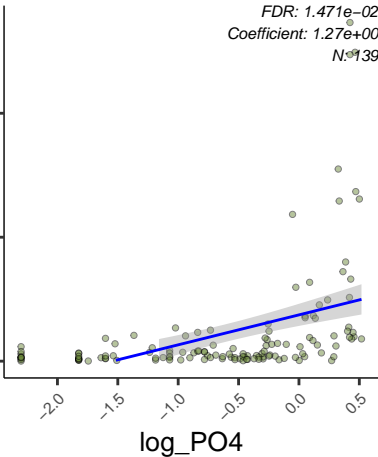
-1.0

-0.5

0.0

0.5

log_PO4



COG2308

FDR: 1.473e-02

Coefficient: -8.76e-01

N: 139

8e-04
6e-04
4e-04
2e-04
0e+00

-2.0

-1.5

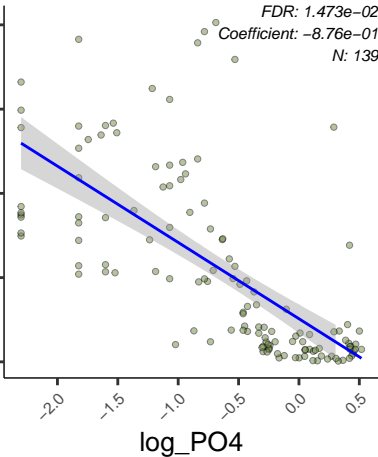
-1.0

-0.5

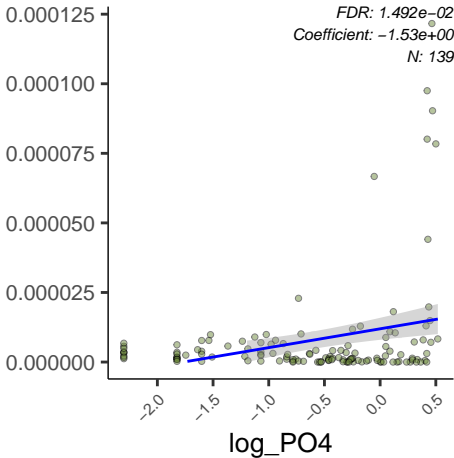
0.0

0.5

log_PO4



COG2044



COG2312

FDR: 1.501e-02
Coefficient: 9.47e-01
N: 139

9e-06

6e-06

3e-06

0e+00

-2.0

-1.5

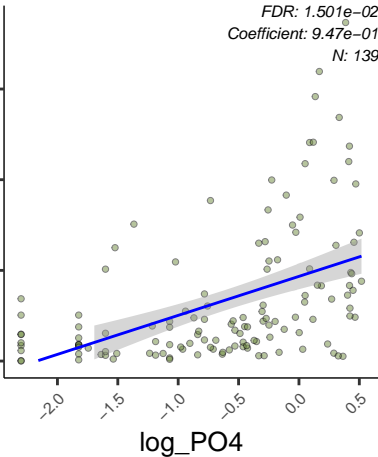
-1.0

-0.5

0.0

0.5

log_PO4



COG3913

FDR: 1.504e-02
Coefficient: 1.63e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

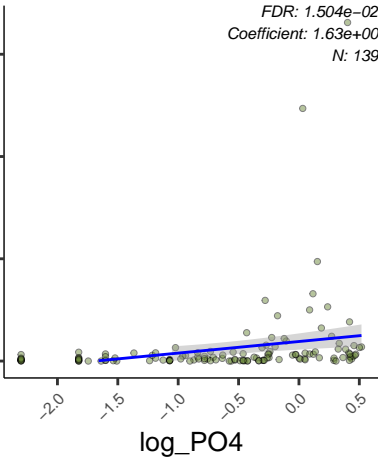
-1.0

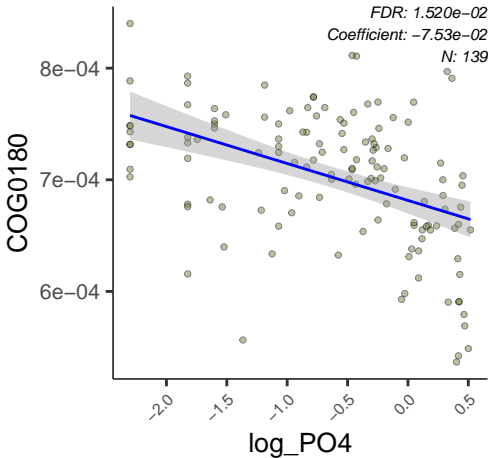
-0.5

0.0

0.5

log_PO4





COG3424

1e-04

5e-05

0e+00

FDR: 1.532e-02

Coefficient: 5.14e-01

N: 139

-2.0

-1.5

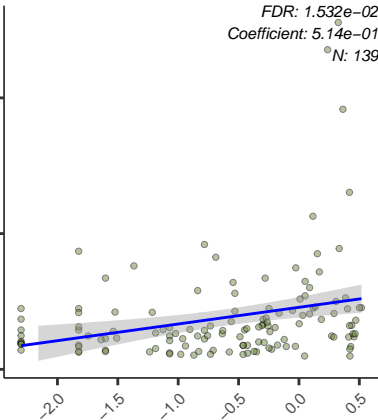
-1.0

-0.5

0.0

0.5

log_PO4



COG3768

FDR: 1.537e-02
Coefficient: 1.17e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

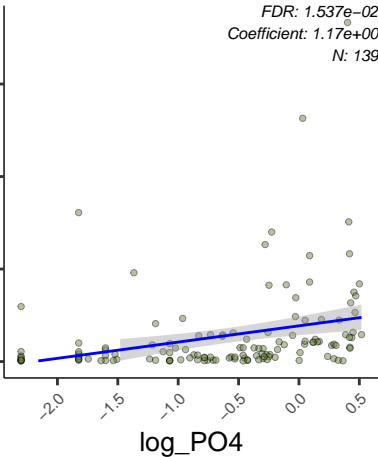
-1.0

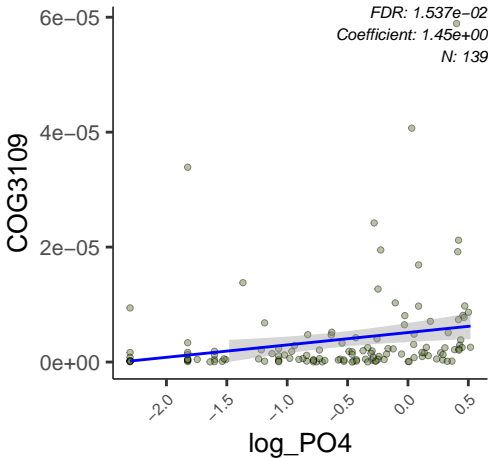
-0.5

0.0

0.5

log_PO4





COG4849

FDR: $1.538\text{e-}02$
Coefficient: $1.48\text{e+}00$
N: 139

$5\text{e-}05$
 $4\text{e-}05$
 $3\text{e-}05$
 $2\text{e-}05$
 $1\text{e-}05$
 $0\text{e+}00$

-2.0

-1.5

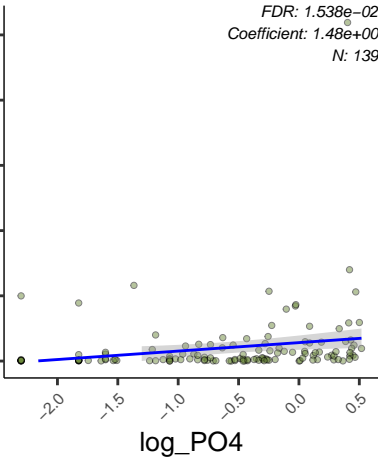
-1.0

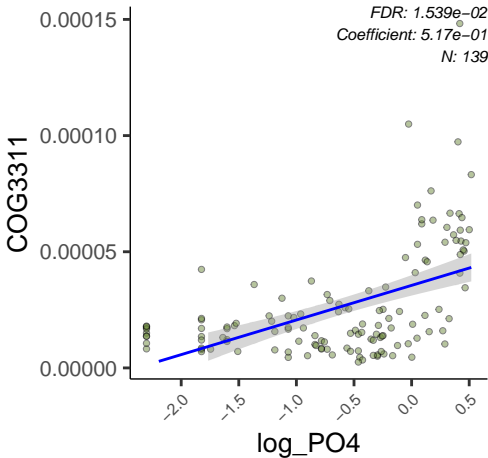
-0.5

0.0

0.5

log_PO4





COG3082

FDR: 1.575e-02
Coefficient: 1.58e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

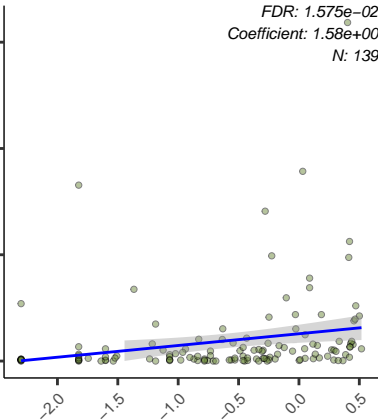
-1.0

-0.5

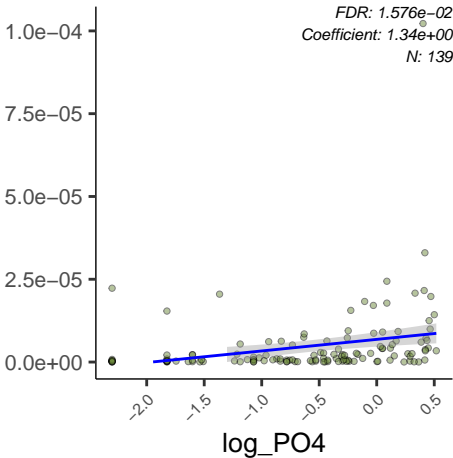
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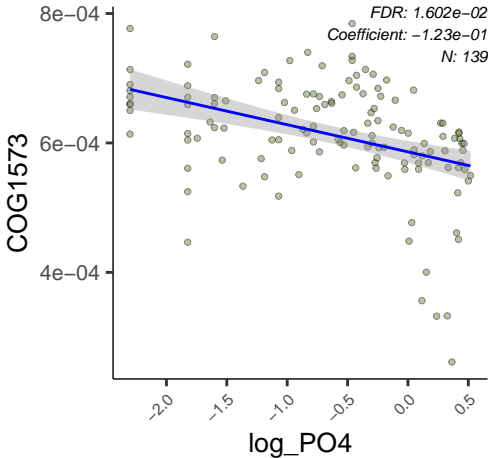
0.5

log_PO4



COG4677





COG0524

FDR: 1.640e-02

Coefficient: -5.37e-02

N: 139

0.0014

0.0013

0.0012

0.0011

0.0010

-2.0

-1.5

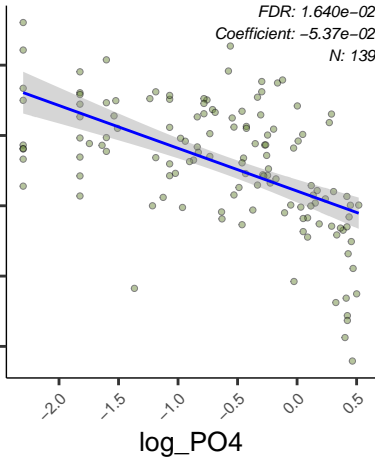
-1.0

-0.5

0.0

0.5

log_PO4



COG3170

FDR: 1.653e-02
Coefficient: 6.13e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

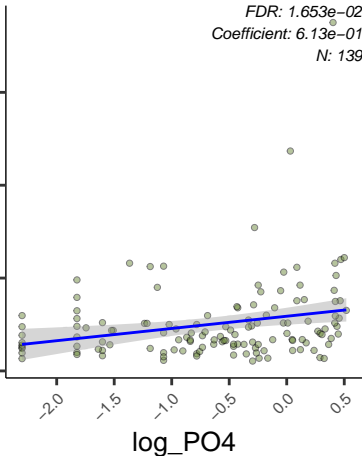
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-0.5

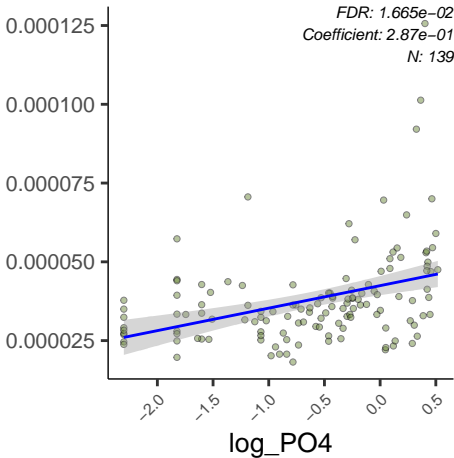
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0.5

log_PO4



COG2825



COG2923

FDR: 1.668e-02
Coefficient: 3.65e-01
N: 139

6e-05

4e-05

2e-05

-2.0

-1.5

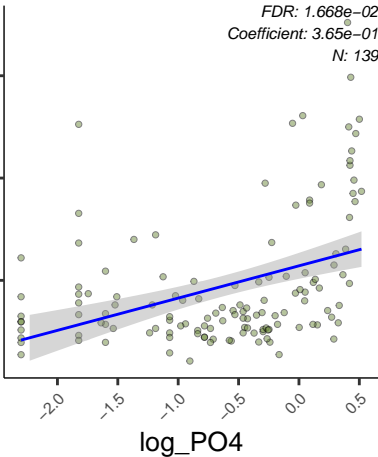
-1.0

-0.5

0.0

0.5

log_PO4



COG0125

FDR: 1.670e-02

Coefficient: -9.69e-02

N: 139

5e-04

4e-04

3e-04

-2.0

-1.5

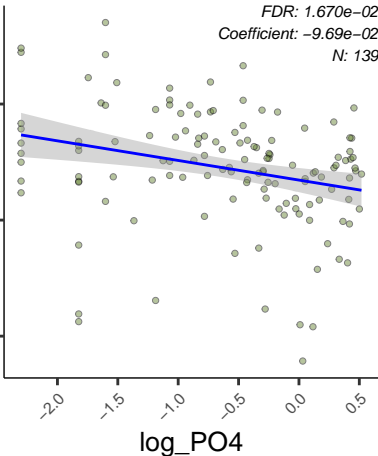
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-0.5

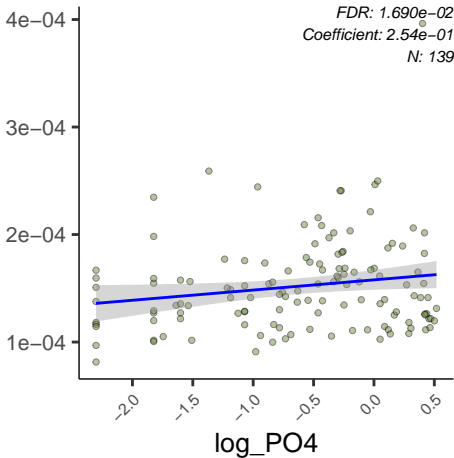
0.0

0.5

log_PO4



COG1061



COG1883

FDR: 1.695e-02

Coefficient: 4.05e-01

N: 139

0.00015

0.00010

0.00005

-2.0

-1.5

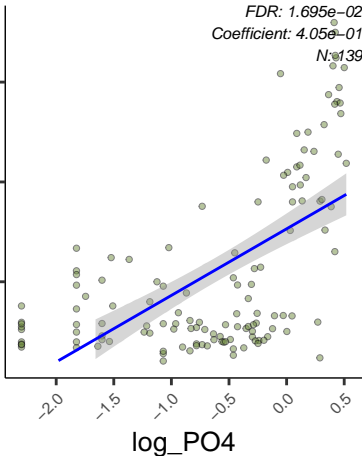
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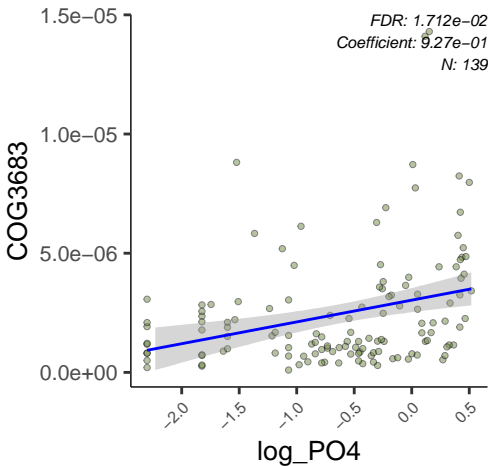
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0.0

0.5

log_PO4





COG1969

FDR: 1.748e-02
Coefficient: 1.43e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

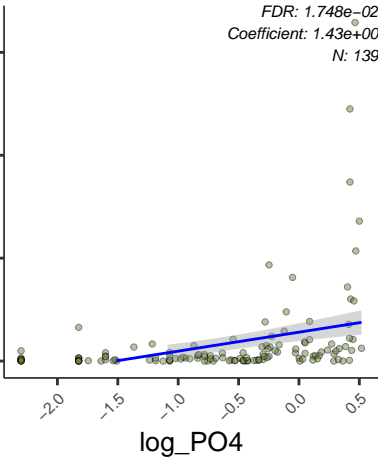
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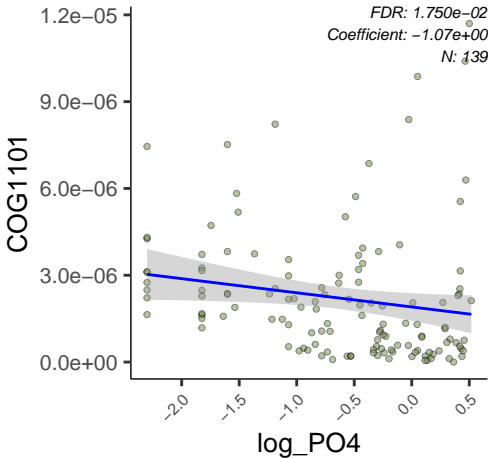
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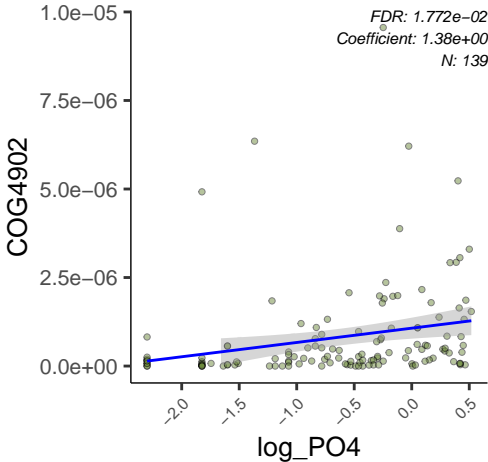
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0.5

log_PO4







COG4626

FDR: 1.796e-02
Coefficient: 8.95e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

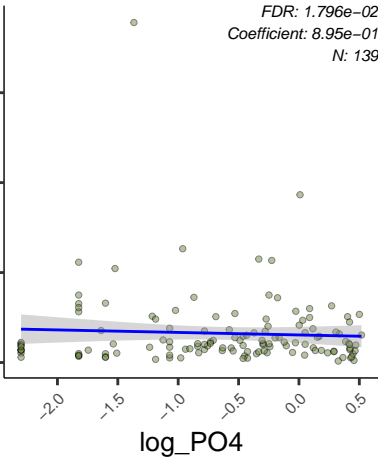
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-0.5

0.0

0.5

log_PO4



COG3059

FDR: 1.796e-02

Coefficient: 1.24e+00

N: 139

3e-05

2e-05

1e-05

0e+00

log_PO4

-2.0

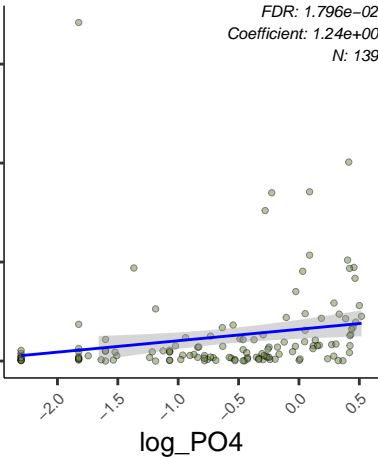
-1.5

-1.0

-0.5

0.0

0.5



COG0308

FDR: 1.798e-02
Coefficient: 1.30e-01
N: 139

0.00100

0.00075

0.00050

-2.0

-1.5

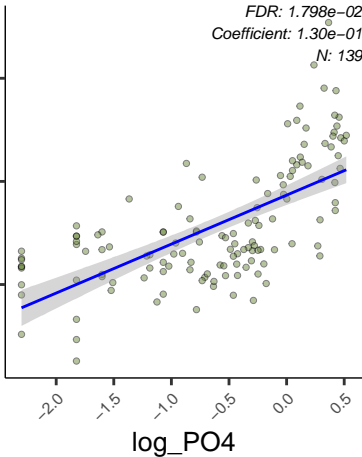
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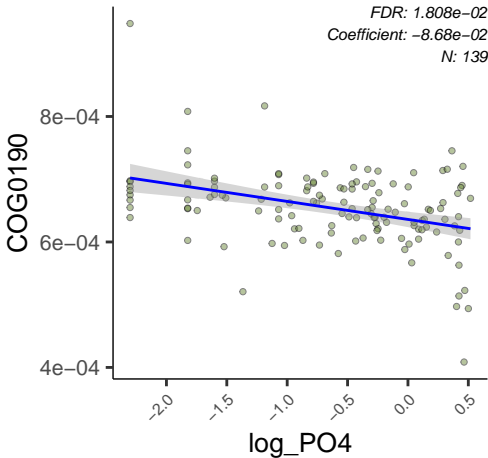
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0.0

0.5

log_PO4





COG0576

FDR: 1.817e-02

Coefficient: -7.74e-02

N: 139

6e-04

5e-04

4e-04

-2.0

-1.5

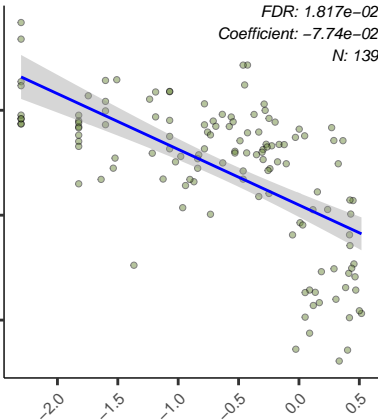
-1.0

-0.5

0.0

0.5

log_PO4



COG1944

FDR: 1.818e-02
Coefficient: 9.71e-01
N: 139

4e-05

2e-05

0e+00

-2.0

-1.5

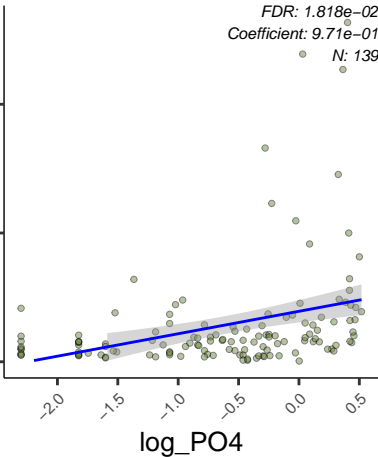
-1.0

-0.5

0.0

0.5

log_PO4



COG4889

FDR: 1.838e-02
Coefficient: 3.58e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

-2.0

-1.5

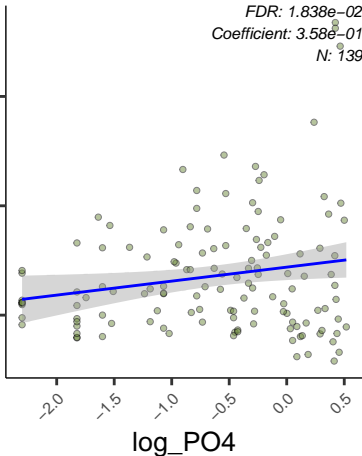
-1.0

-0.5

0.0

0.5

log_PO4



COG2827

FDR: 1.863e-02
Coefficient: 3.56e-01
N: 139

0.00015

0.00010

0.00005

-2.0

-1.5

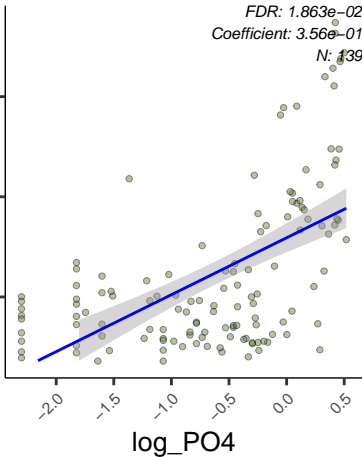
-1.0

-0.5

0.0

0.5

log_PO4



COG2515

FDR: 1.867e-02
Coefficient: 2.86e-01
N: 139

2e-04

1e-04

-2.0

-1.5

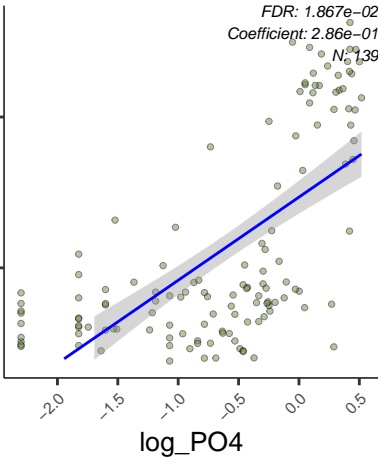
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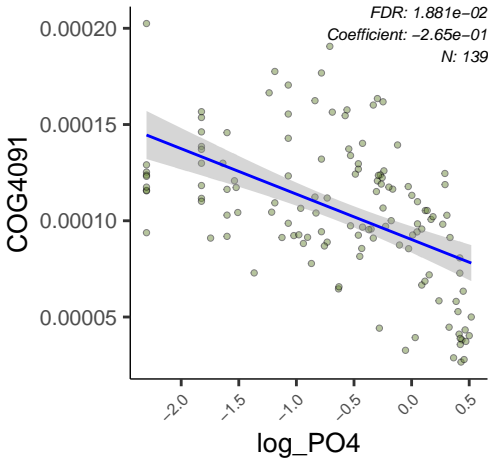
-0.5

0.0

0.5

log_PO4





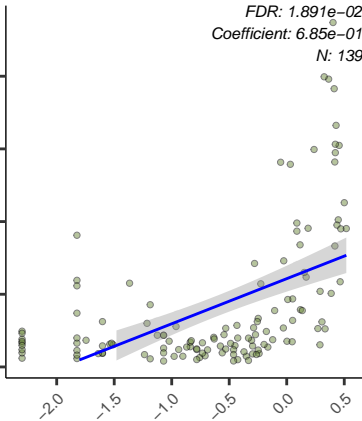
COG4657

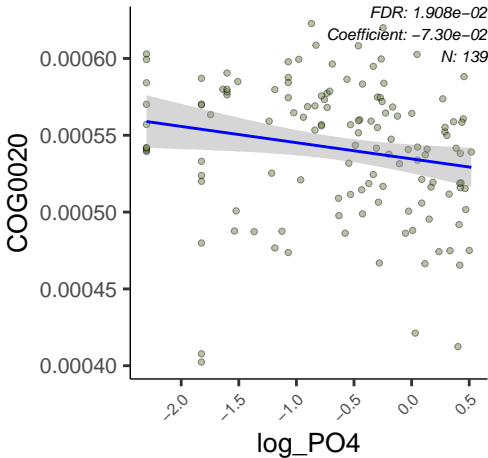
FDR: 1.891e-02
Coefficient: 6.85e-01
N: 139

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





COG4594

FDR: 1.937e-02
Coefficient: 1.60e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

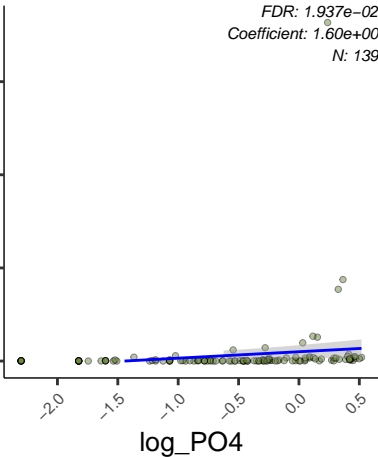
-1.0

-0.5

0.0

0.5

log_PO4



COG4681

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

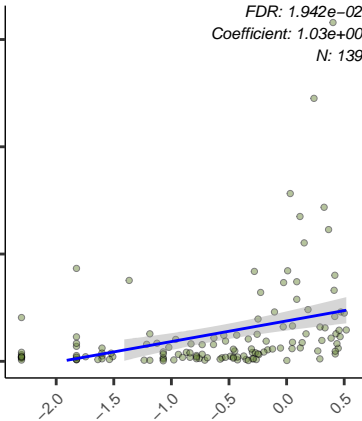
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0.0

0.5

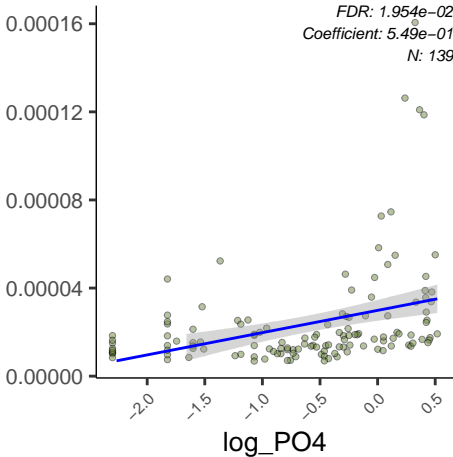
log_PO4

FDR: 1.942e-02
Coefficient: 1.03e+00
N: 139



COG2981

FDR: 1.954e-02
Coefficient: 5.49e-01
N: 139



COG3295

FDR: 1.959e-02
Coefficient: 1.05e+00
N: 139

4e-05

2e-05

0e+00

-2.0

-1.5

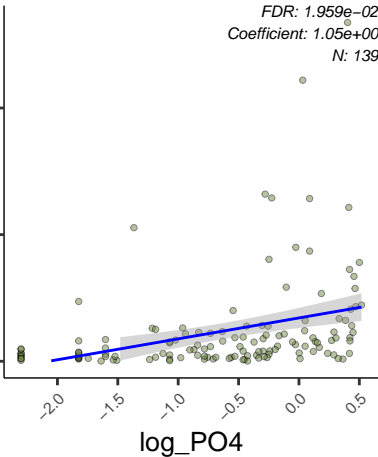
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-0.5

0.0

0.5

log_PO4



COG3610

FDR: 1.973e-02
Coefficient: 1.37e+00
N: 139

8e-05

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

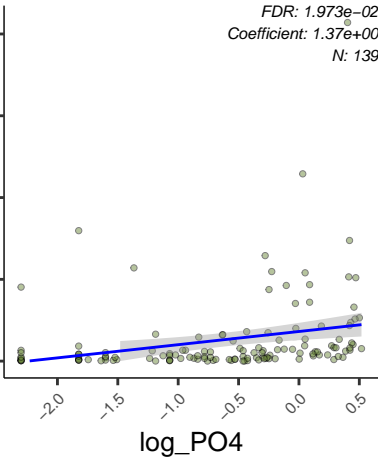
-1.0

-0.5

0.0

0.5

log_PO4



COG3326

FDR: 1.978e-02
Coefficient: 1.20e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

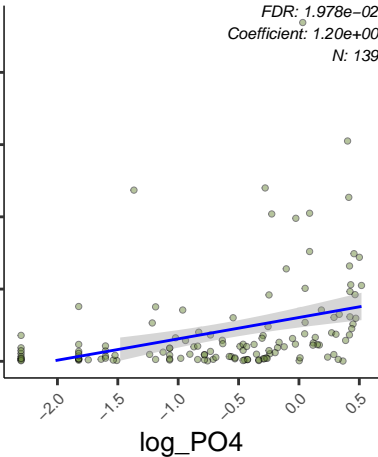
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-0.5

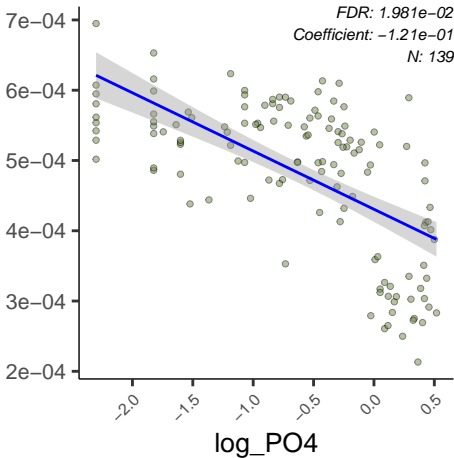
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0.5

log_PO4



COG1403



COG5579

FDR: 1.996e-02
Coefficient: 6.53e-01
N: 139

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1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

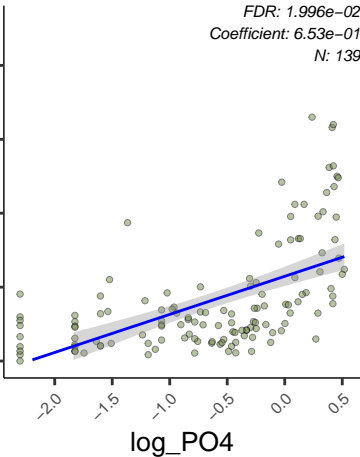
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-0.5

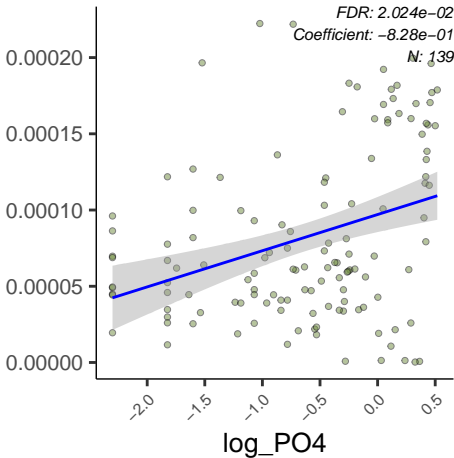
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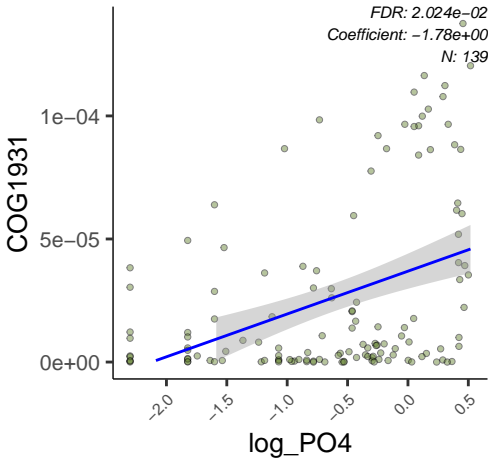
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log_PO4



COG0311





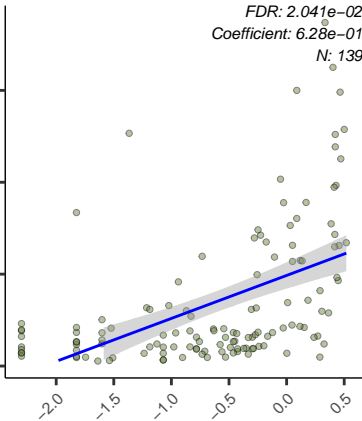
COG4585

FDR: 2.041e-02
Coefficient: 6.28e-01
N: 139

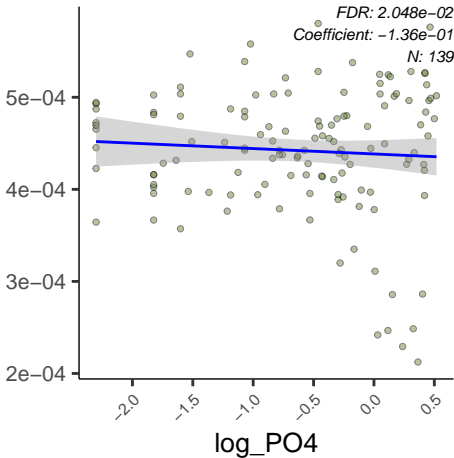
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0.00000

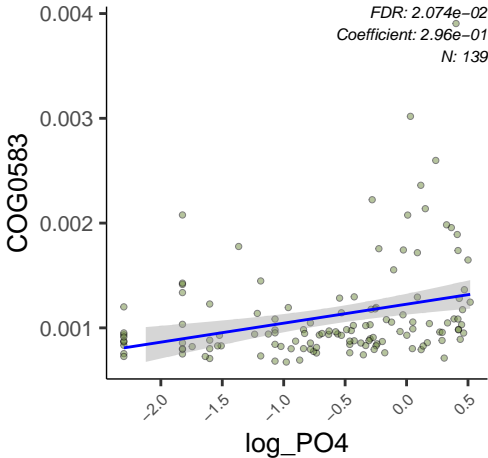
-2.0 -1.5 -1.0 -0.5 0.0 0.5

log_PO4



COG0852





COG3206

FDR: 2.075e-02
Coefficient: 2.39e-01
N: 139

0.00020

0.00015

0.00010

-2.0

-1.5

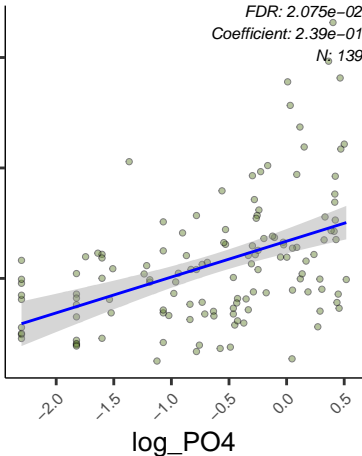
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-0.5

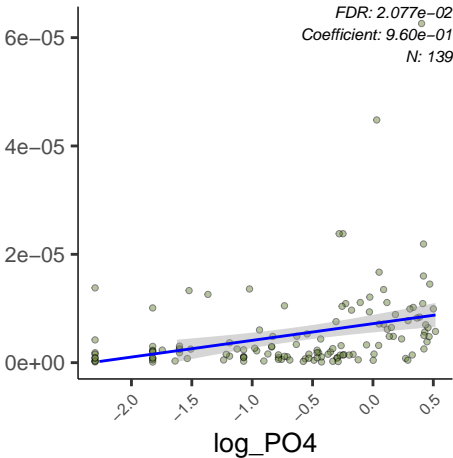
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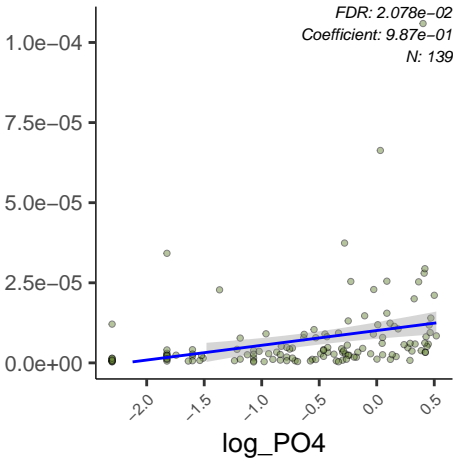
log_PO4



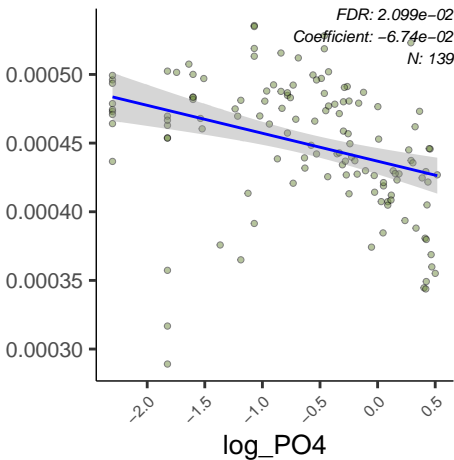
COG5373



COG0676



COG0340



COG0438

0.0032

0.0028

0.0024

-2.0

-1.5

-1.0

-0.5

0.0

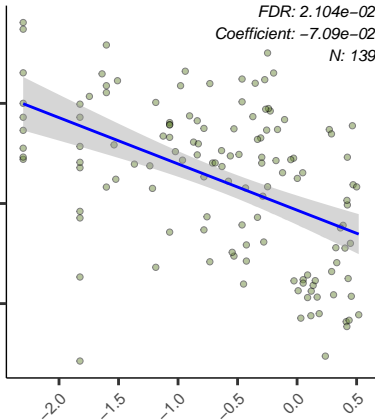
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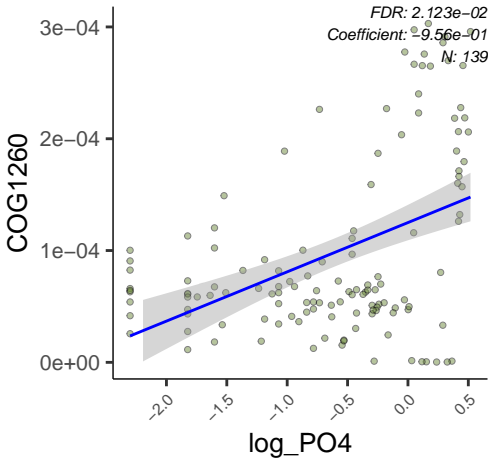
log_PO4

FDR: 2.104e-02

Coefficient: -7.09e-02

N: 139





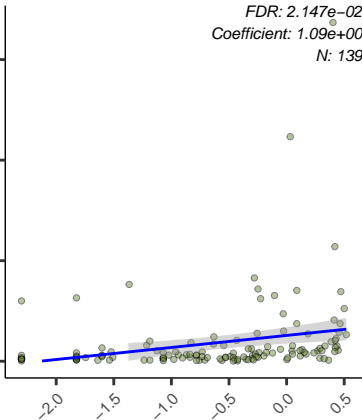
COG3710

FDR: 2.147e-02
Coefficient: 1.09e+00
N: 139

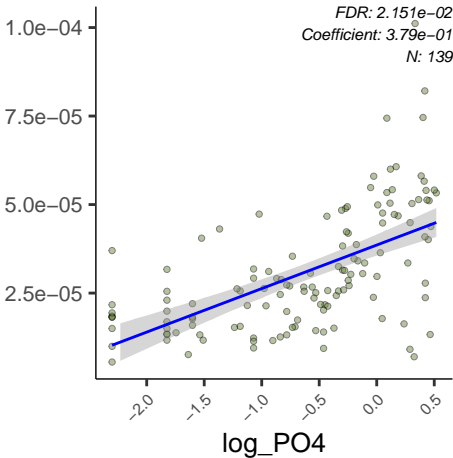
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0.00010
0.00005
0.00000

-2.0 -1.5 -1.0 -0.5 0.0 0.5

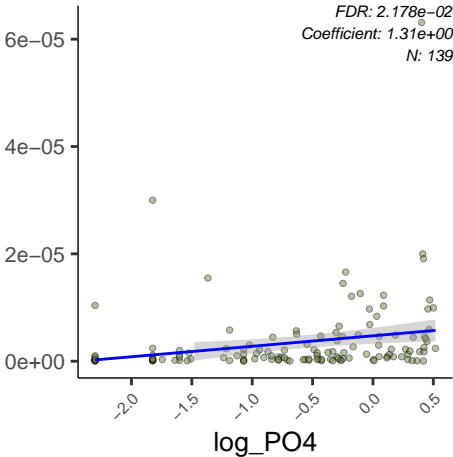
log_PO4



COG2373

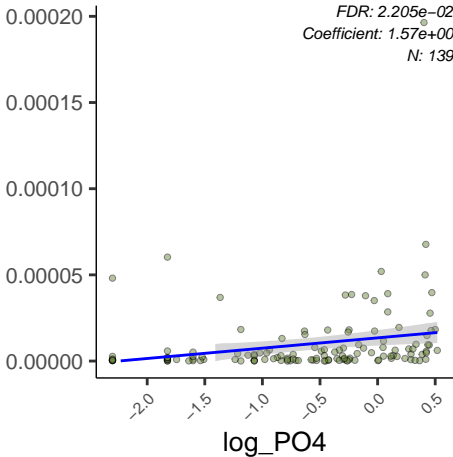


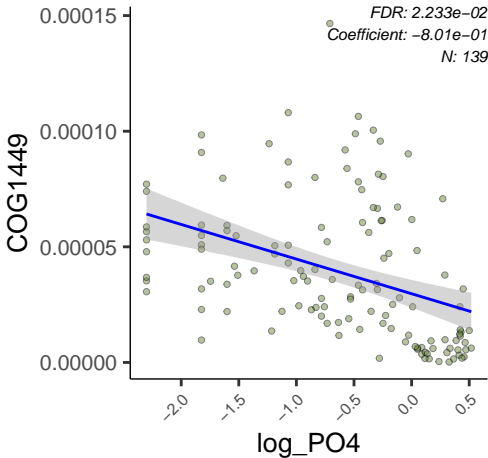
COG3065

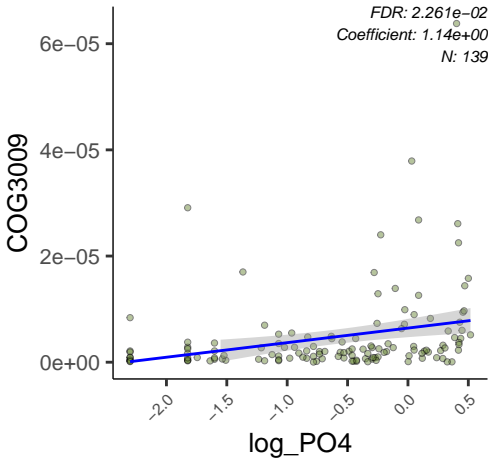


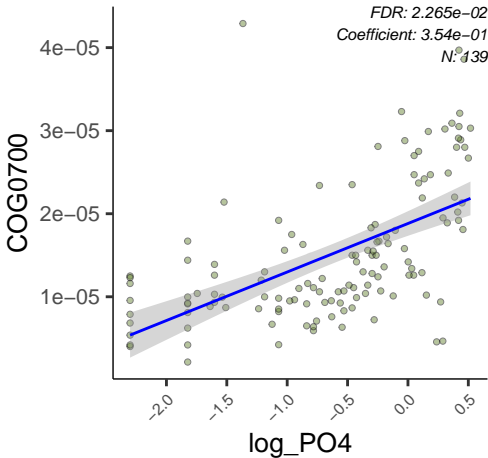
COG3085

FDR: 2.205e-02
Coefficient: 1.57e+00
N: 139









COG4772

FDR: 2.266e-02
Coefficient: 2.84e-01
N: 139

4e-04

3e-04

2e-04

1e-04

-2.0

-1.5

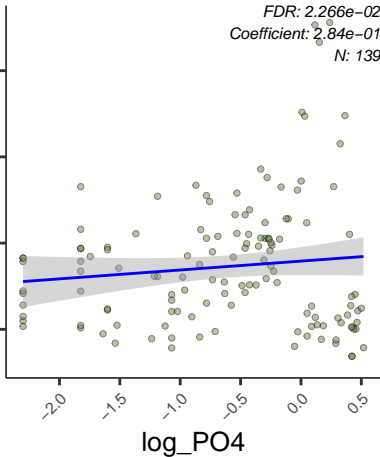
-1.0

-0.5

0.0

0.5

log_PO4



COG1150

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0.00010
0.00005
0.00000

-2.0

-1.5

-1.0

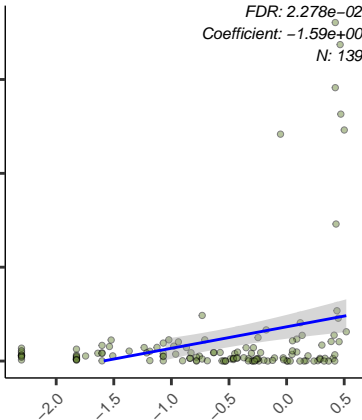
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0.0

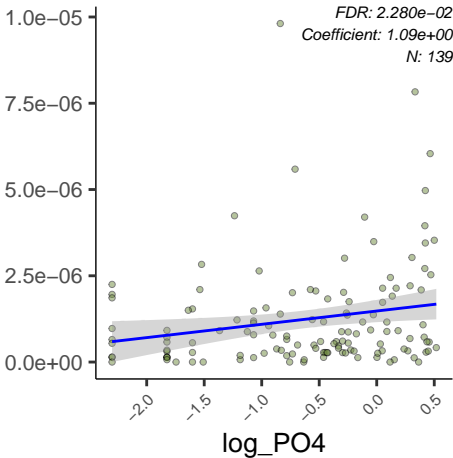
0.5

log_PO4

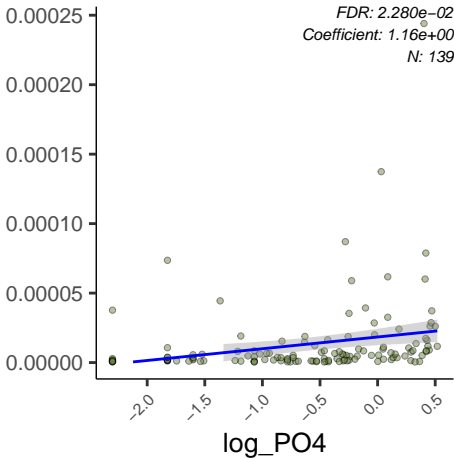
FDR: 2.278e-02
Coefficient: -1.59e+00
N: 139



COG4634



COG3434



COG3833

FDR: 2.316e-02

Coefficient: -7.88e-01

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

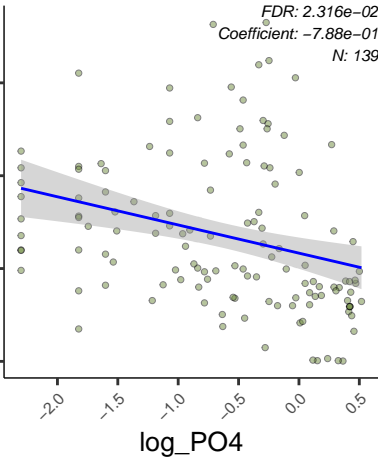
-1.0

-0.5

0.0

0.5

log_PO4



COG1979

FDR: 2.317e-02
Coefficient: 1.18e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

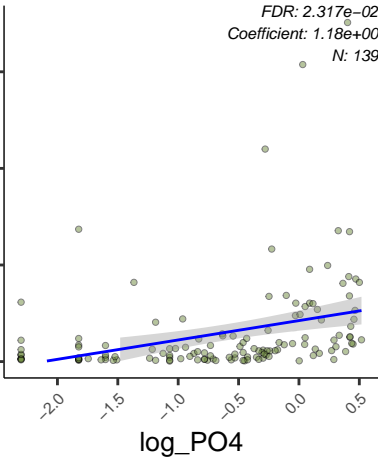
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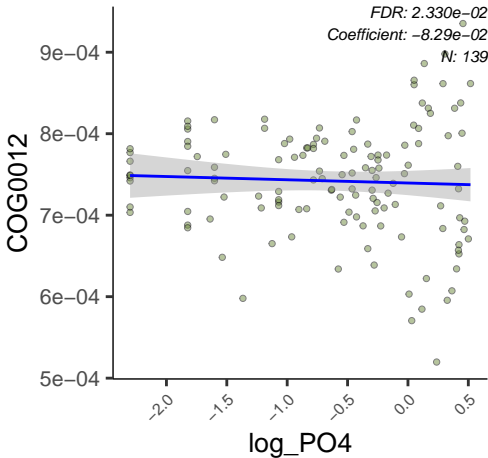
-0.5

0.0

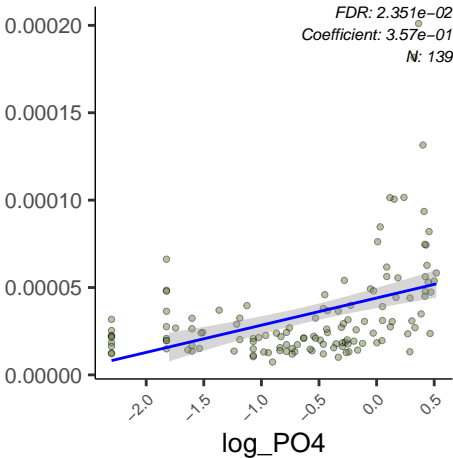
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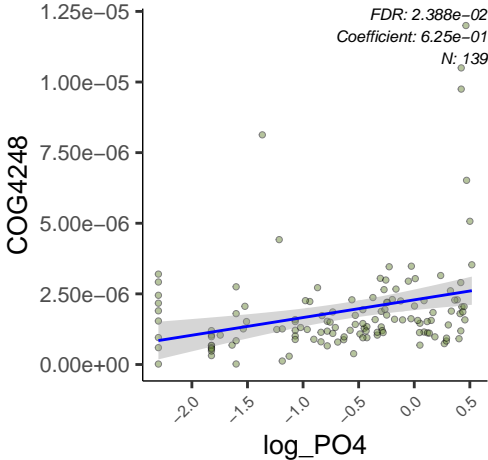
log_PO4

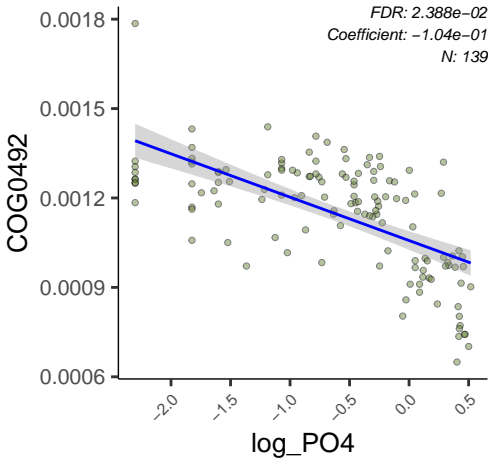




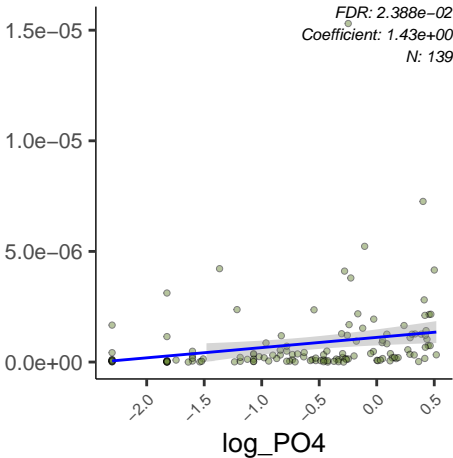
COG4137

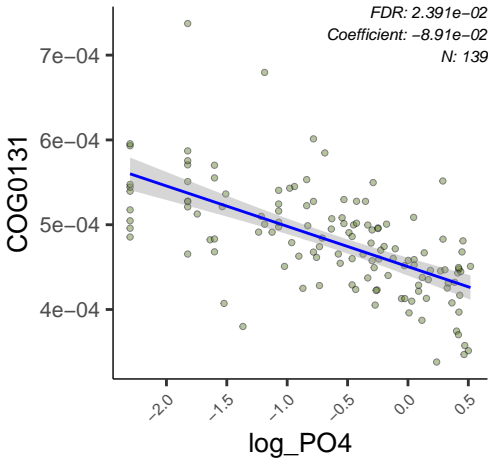


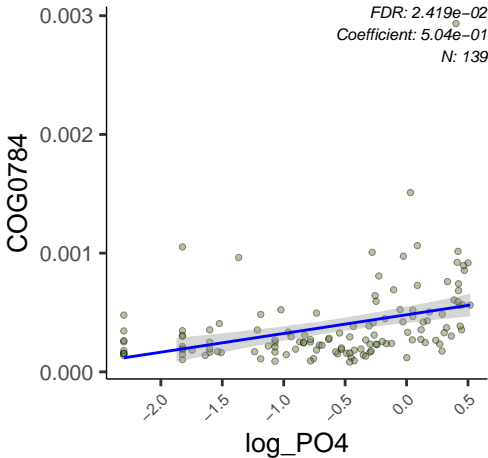




COG3447







COG1713

FDR: 2.424e-02

Coefficient: -1.34e+00

N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

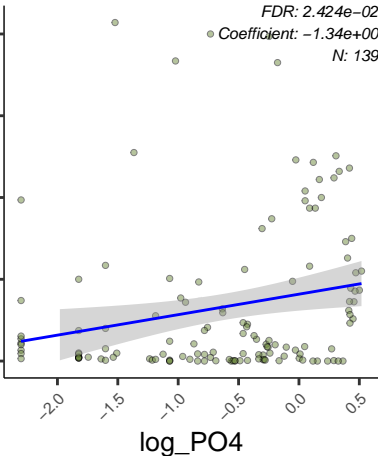
-1.0

-0.5

0.0

0.5

log_PO4



COG3460

FDR: 2.432e-02
Coefficient: 3.08e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

-2.0

-1.5

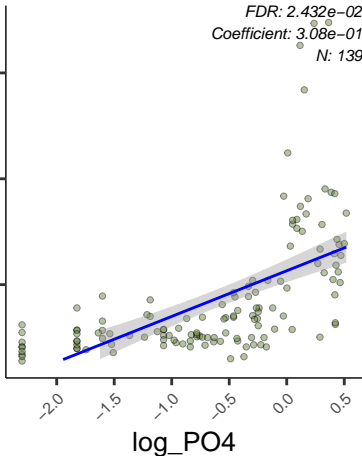
-1.0

-0.5

0.0

0.5

log_PO4



COG1847

9e-05

6e-05

3e-05

0e+00

FDR: 2.459e-02

Coefficient: -9.05e-01

N: 139

-2.0

-1.5

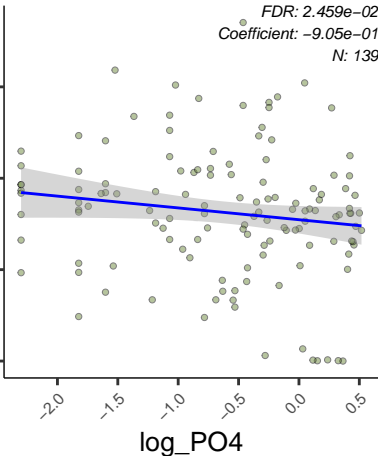
-1.0

-0.5

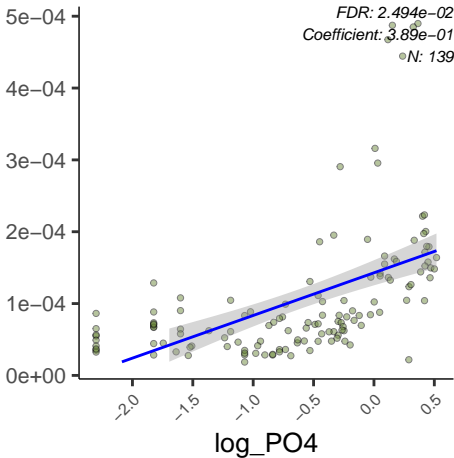
0.0

0.5

log_PO4



COG2095



COG1506

FDR: 2.524e-02
Coefficient: 1.40e-01
N: 139

0.00100

0.00075

0.00050

0.00025

-2.0

-1.5

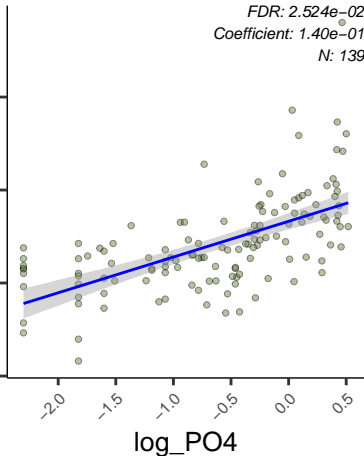
-1.0

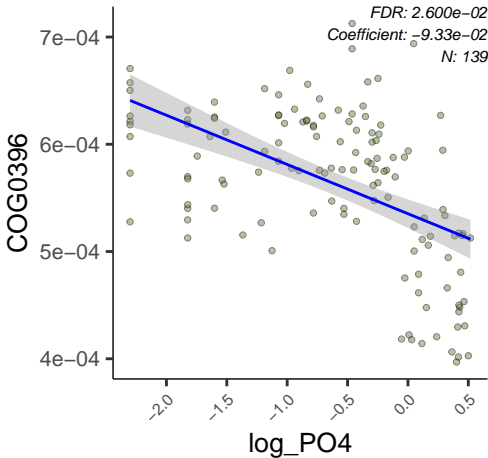
-0.5

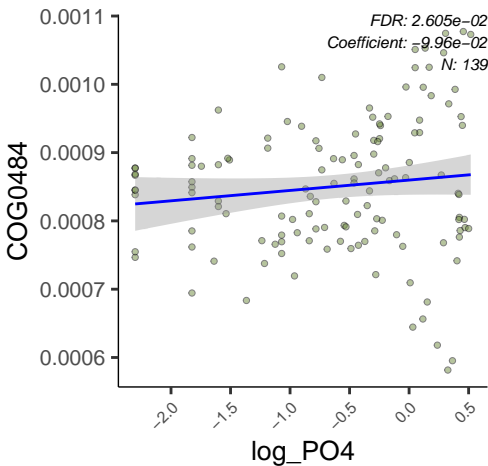
0.0

0.5

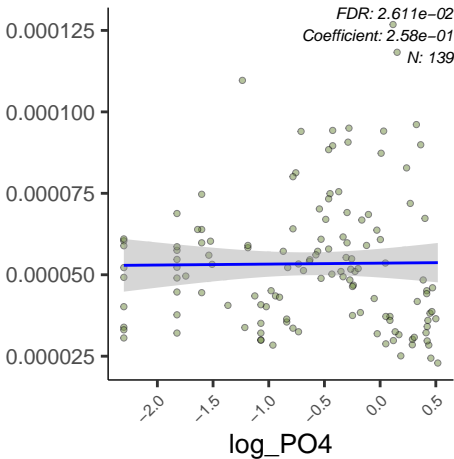
log_PO4







COG4704



COG3148

FDR: 2.653e-02
Coefficient: 1.11e+00
N: 139

0.00020

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

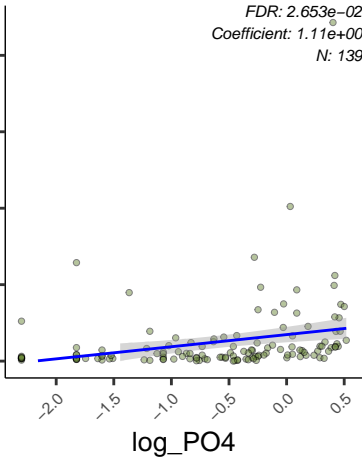
-1.0

-0.5

0.0

0.5

log_PO4



COG3449

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

-2.0

-1.5

-1.0

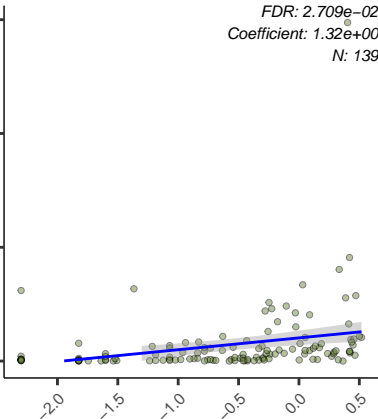
-0.5

0.0

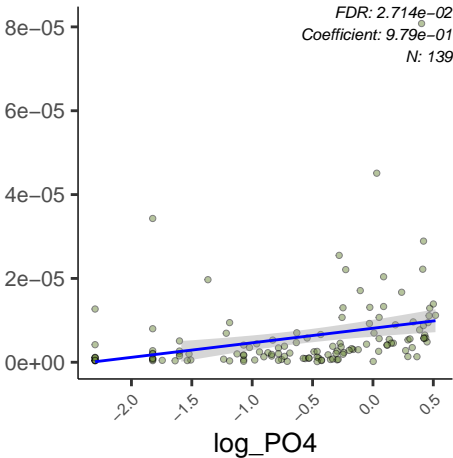
0.5

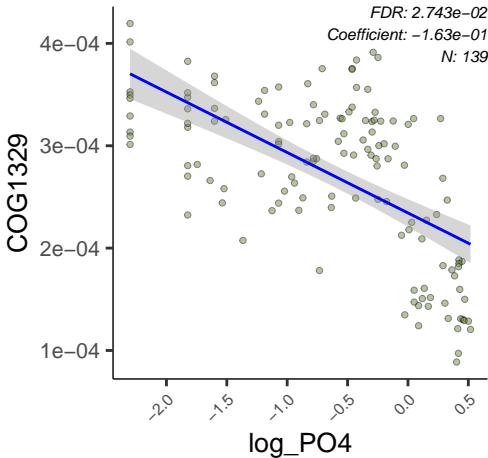
log_PO4

FDR: 2.709e-02
Coefficient: 1.32e+00
N: 139

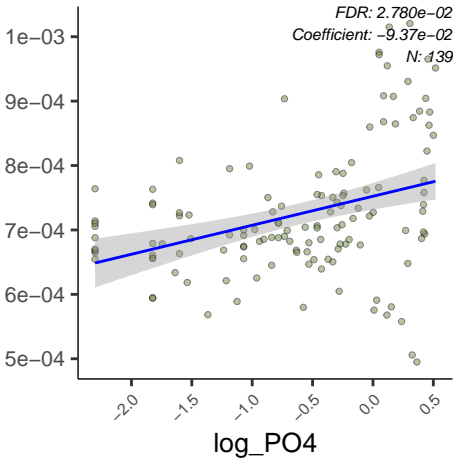


COG5473

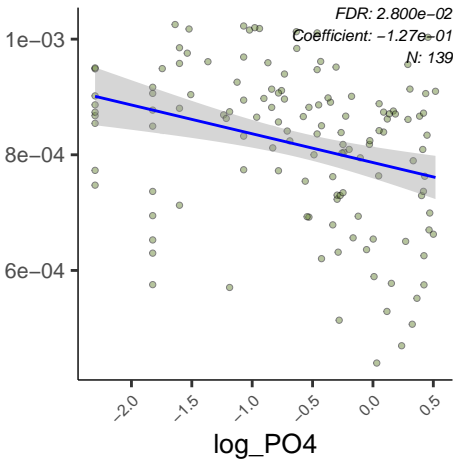




COG0750



COG1225



COG3721

FDR: 2.819e-02
Coefficient: 1.31e+00
N: 139

3e-06

2e-06

1e-06

0e+00

log_PO4

-2.0

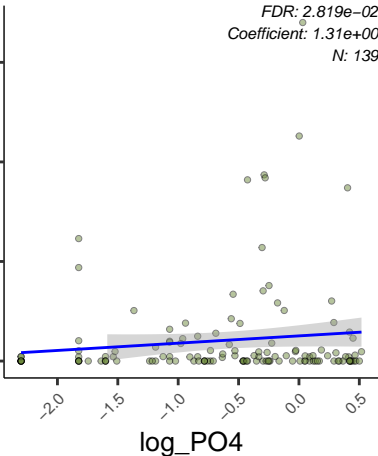
-1.5

-1.0

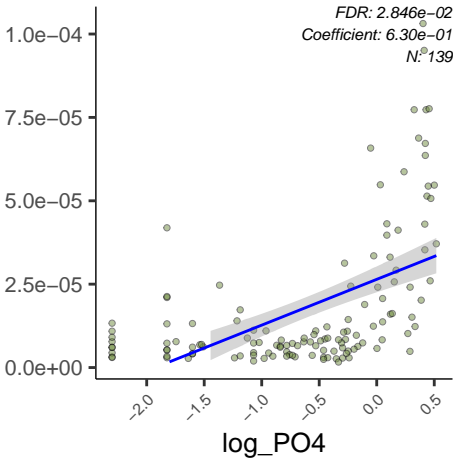
-0.5

0.0

0.5



COG4659



COG1507

$6e-05$

$4e-05$

$2e-05$

-2.0

-1.5

-1.0

-0.5

0.0

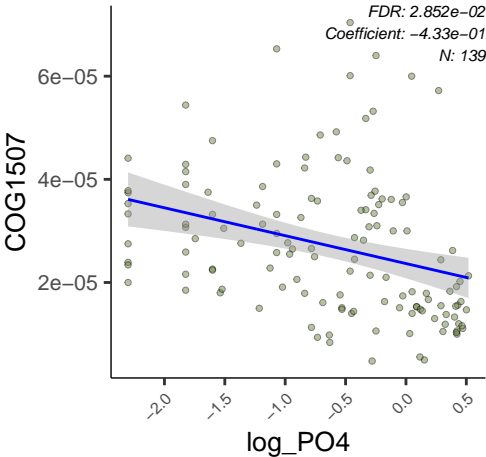
0.5

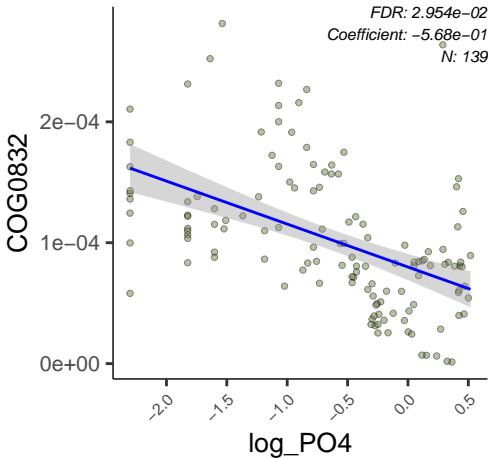
log_PO4

FDR: 2.852e-02

Coefficient: -4.33e-01

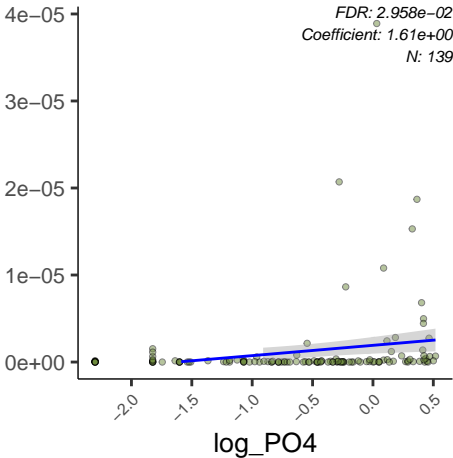
N: 139





COG4701

FDR: 2.958e-02
Coefficient: 1.61e+00
N: 139



COG2202

FDR: 2.963e-02
Coefficient: 6.08e-01
N: 139

0.0015

0.0010

0.0005

0.0000

-2.0

-1.5

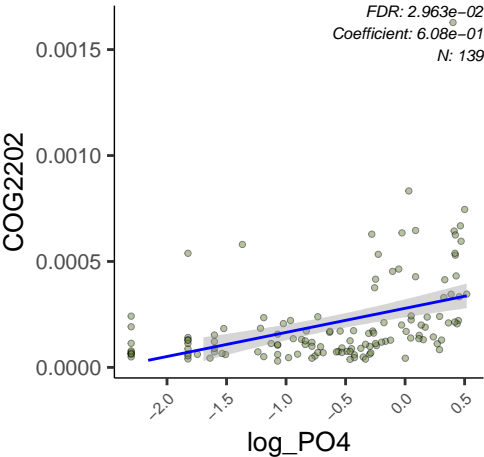
-1.0

-0.5

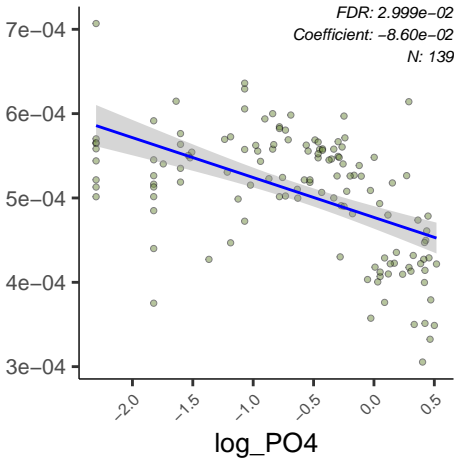
0.0

0.5

log_PO4



COG1612



COG3436

1e-03

5e-04

0e+00

FDR: 2.999e-02

Coefficient: 9.10e-01

N: 139

-2.0

-1.5

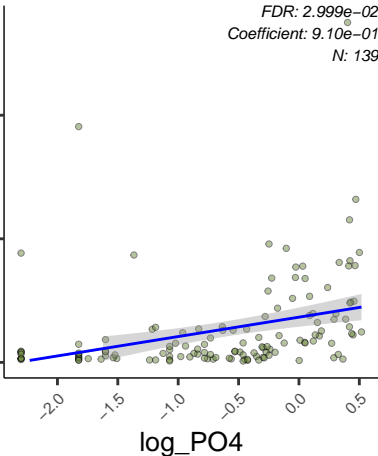
-1.0

-0.5

0.0

0.5

log_PO4



COG5595

FDR: 3.019e-02
Coefficient: 1.58e+00
N: 139

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

-2.0

-1.5

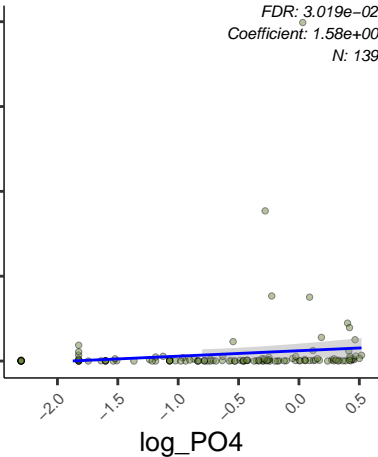
-1.0

-0.5

0.0

0.5

log_PO4



COG3033

FDR: $3.051e-02$
Coefficient: $-6.24e-01$
N: 139

$9e-05$

$6e-05$

$3e-05$

$0e+00$

-2.0

-1.5

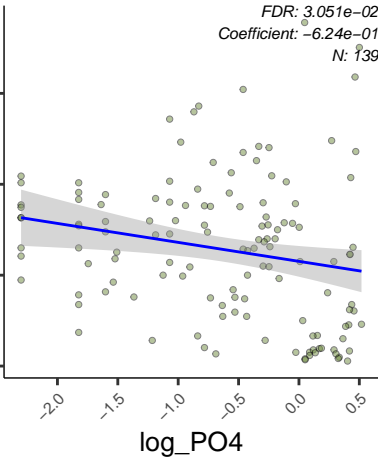
-1.0

-0.5

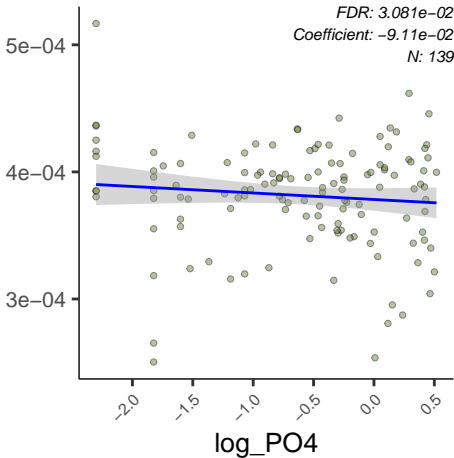
0.0

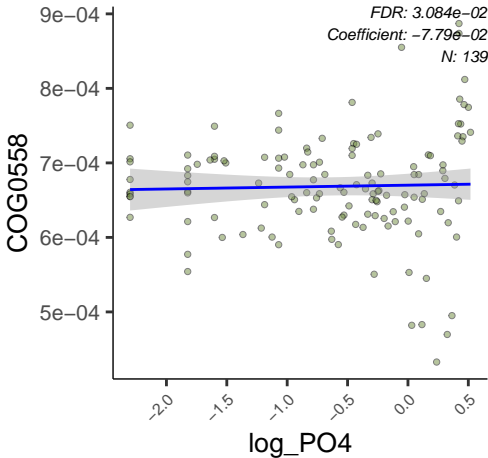
0.5

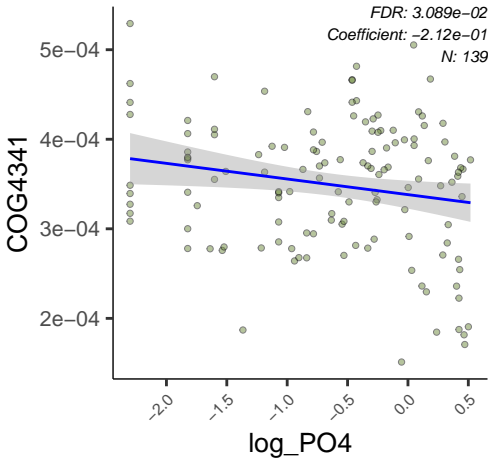
log_PO4



COG1587







COG3634

FDR: 3.110e-02
Coefficient: 4.76e-01
N: 139

1e-04

5e-05

0e+00

-2.0

-1.5

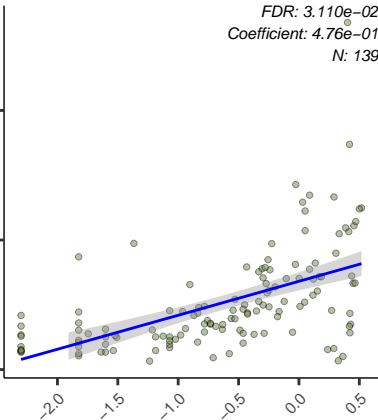
-1.0

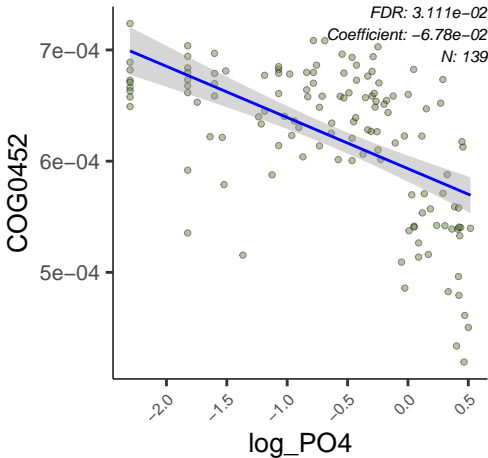
-0.5

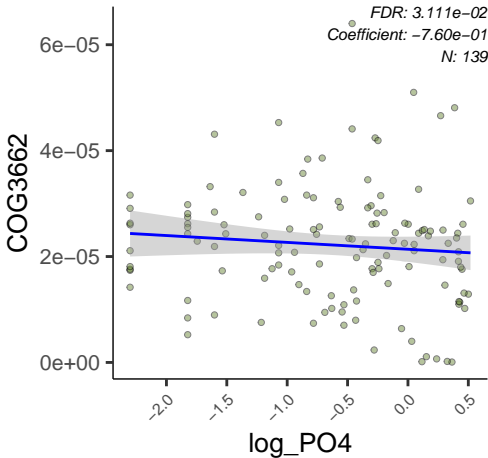
0.0

0.5

log_PO4







COG3100

FDR: 3.117e-02
Coefficient: 7.10e-01
N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

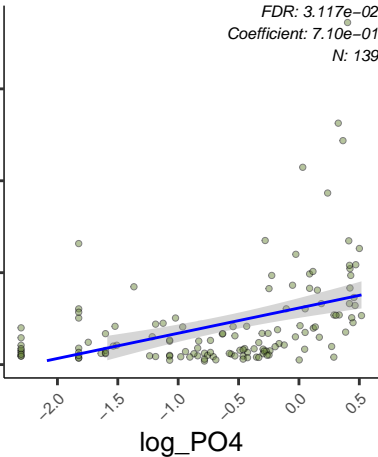
-1.0

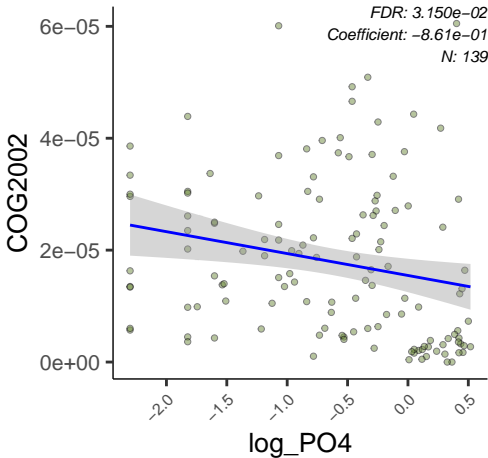
-0.5

0.0

0.5

log_PO4





COG3086

FDR: 3.150e-02
Coefficient: 1.14e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

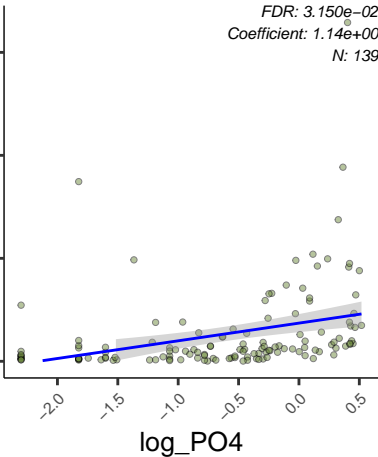
-1.0

-0.5

0.0

0.5

log_PO4



COG3115

FDR: 3.152×10^{-2}
Coefficient: 3.52×10^{-1}
N: 139

9×10^{-5}
 6×10^{-5}
 3×10^{-5}
 0×10^0

-2.0

-1.5

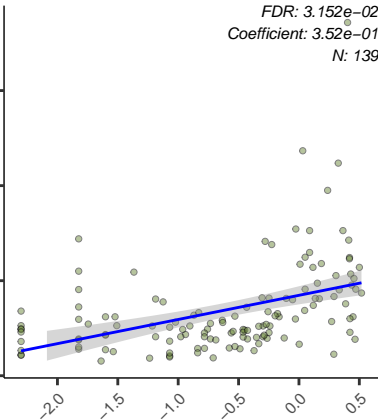
-1.0

-0.5

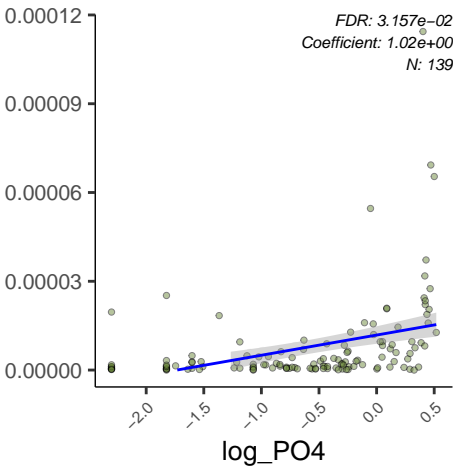
0.0

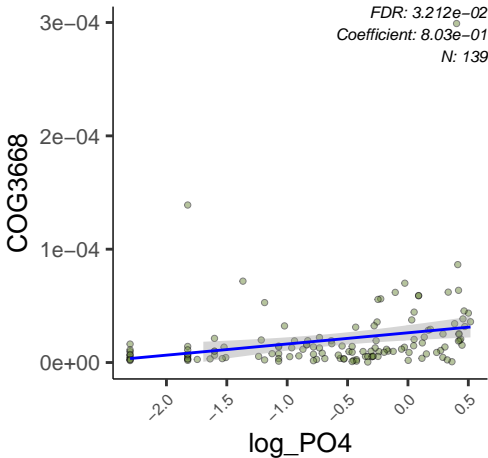
0.5

log_PO4



COG5460





COG3045

FDR: 3.217e-02
Coefficient: 9.89e-01
N: 139

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

-2.0

-1.5

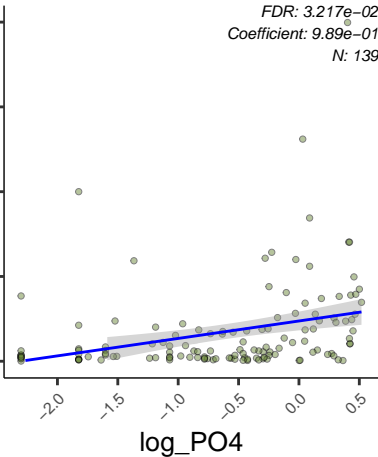
-1.0

-0.5

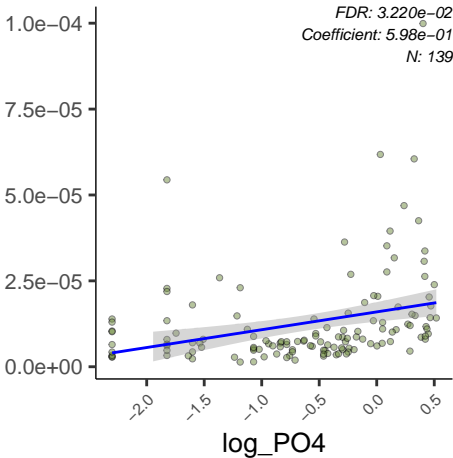
0.0

0.5

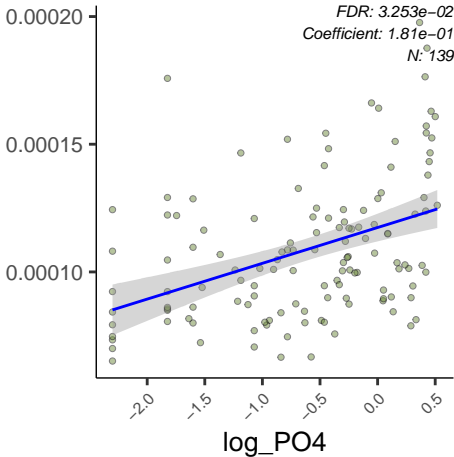
log_PO4



COG3297



COG4973



COG0286

FDR: 3.269e-02
Coefficient: 3.01e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

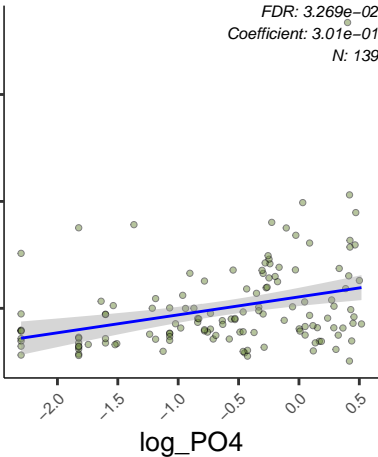
-1.0

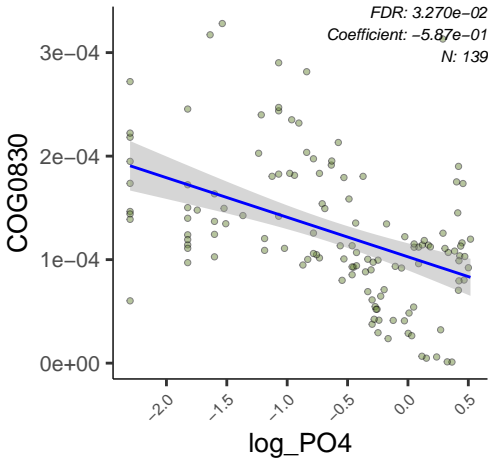
-0.5

0.0

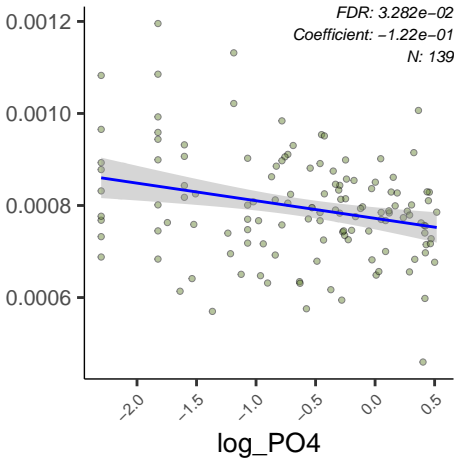
0.5

log_PO4

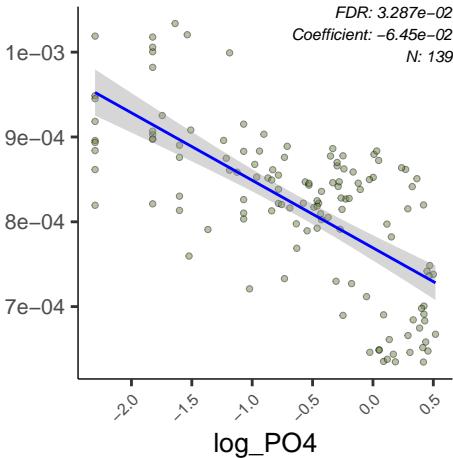




COG3808

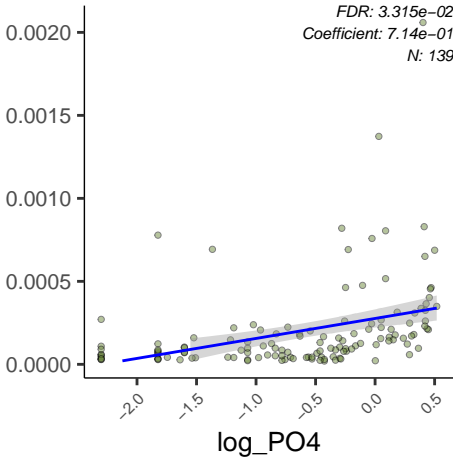


COG0057

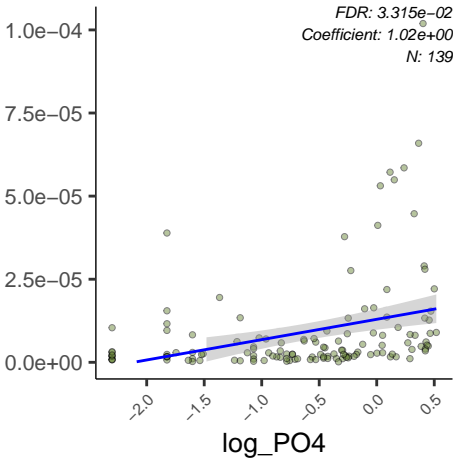


COG2199

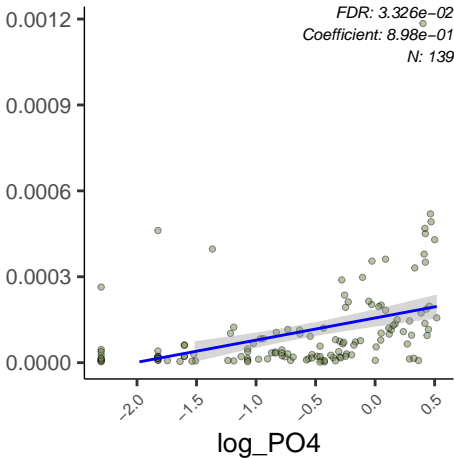
FDR: 3.315e-02
Coefficient: 7.14e-01
N: 139



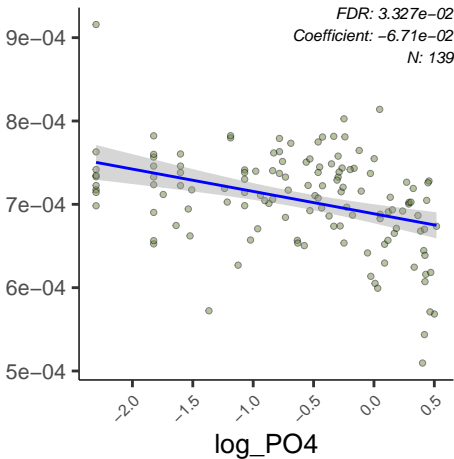
COG3310



COG3547



COG0533



COG1114

FDR: 3.337e-02
Coefficient: 1.17e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

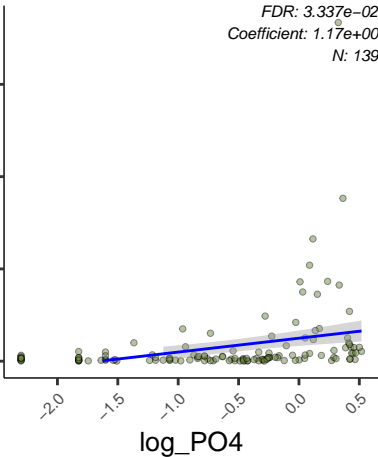
-1.0

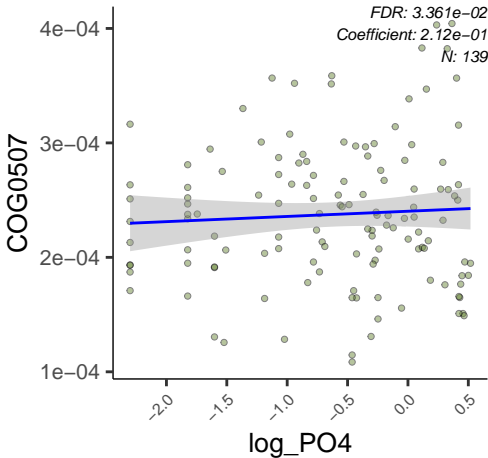
-0.5

0.0

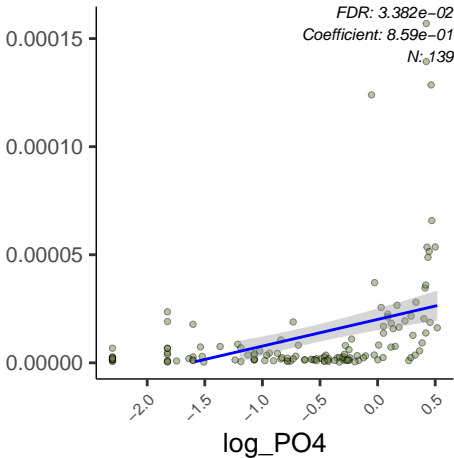
0.5

log_PO4





COG3677



COG0436

0.0022

0.0020

0.0018

0.0016

FDR: 3.397e-02

Coefficient: -6.51e-02

N: 139

-2.0

-1.5

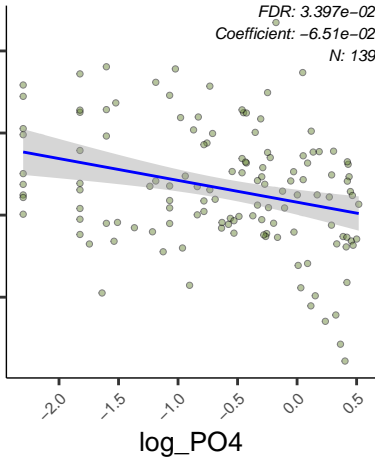
-1.0

-0.5

0.0

0.5

log_PO4



COG1309

FDR: 3.409e-02
Coefficient: 2.80e-01
N: 139

0.0015

0.0010

0.0005

-2.0

-1.5

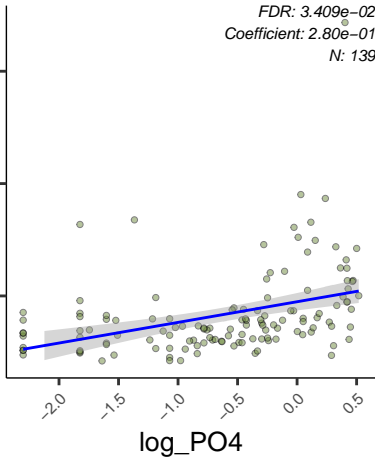
-1.0

-0.5

0.0

0.5

log_PO4



COG1714

0.00015

0.00010

0.00005

-2.0

-1.5

-1.0

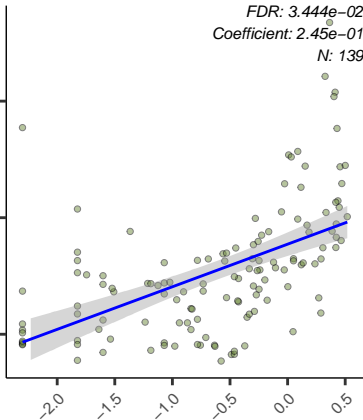
-0.5

0.0

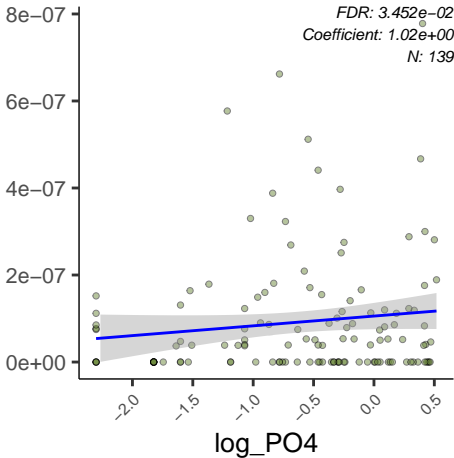
0.5

log_PO4

FDR: 3.444e-02
Coefficient: 2.45e-01
N: 139



COG4449



COG5302

FDR: 3.460e-02
Coefficient: 1.12e+00
N: 139

2.0e-05

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

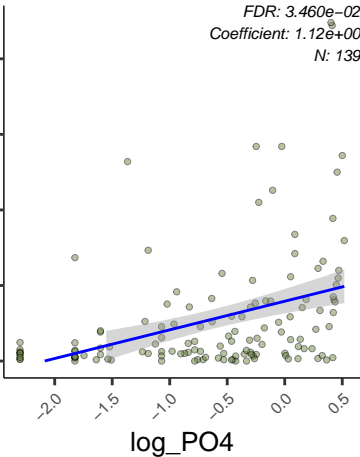
-1.0

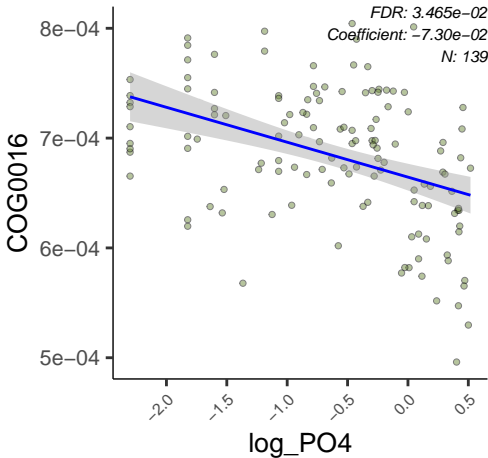
-0.5

0.0

0.5

log_PO4





COG4167

FDR: 3.498e-02
Coefficient: 1.24e+00
N: 139

4e-05

2e-05

0e+00

-2.0

-1.5

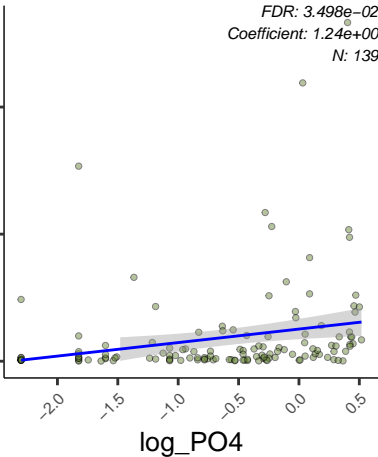
-1.0

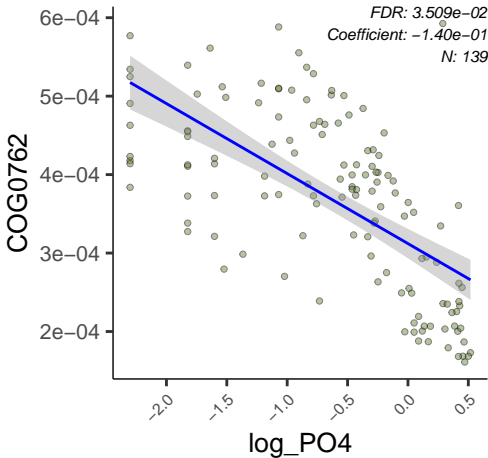
-0.5

0.0

0.5

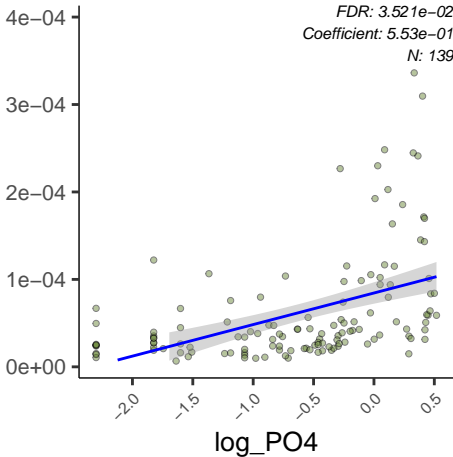
log_PO4





COG3279

FDR: 3.521e-02
Coefficient: 5.53e-01
N: 139



COG0310

FDR: 3.539e-02

Coefficient: -1.04e+00

N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

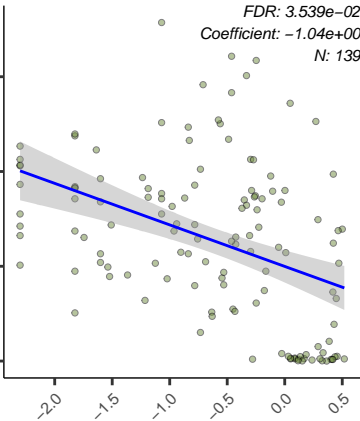
-1.0

-0.5

0.0

0.5

log_PO4



COG5026

FDR: 3.546e-02

Coefficient: -1.30e+00

N: 139

2.0e-06

1.5e-06

1.0e-06

5.0e-07

0.0e+00

-2.0

-1.5

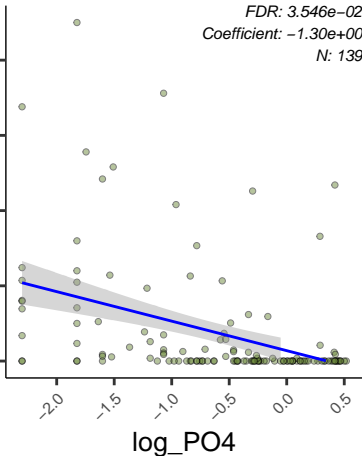
-1.0

-0.5

0.0

0.5

log_PO4



COG4782

FDR: 3.562e-02
Coefficient: 8.10e-01
N: 139

7.5e-06

5.0e-06

2.5e-06

0.0e+00

-2.0

-1.5

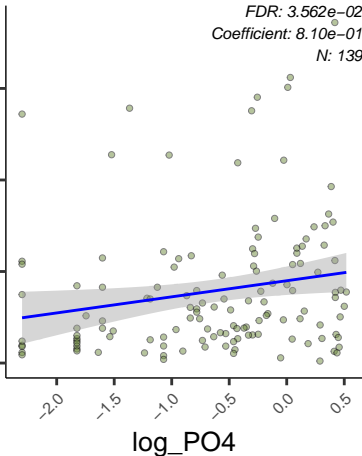
-1.0

-0.5

0.0

0.5

log_PO4



COG2344

FDR: $3.564e-02$
Coefficient: $-9.46e-01$
N: 139

$9e-05$

$6e-05$

$3e-05$

$0e+00$

-2.0

-1.5

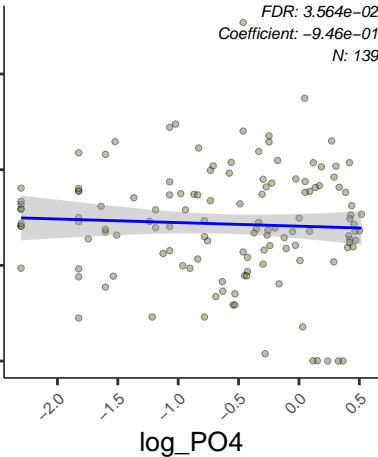
-1.0

-0.5

0.0

0.5

log_PO4



COG3267

FDR: $3.591\text{e-}02$
Coefficient: $3.82\text{e-}01$
N: 139

$2\text{e-}04$

$1\text{e-}04$

$0\text{e+}00$

-2.0

-1.5

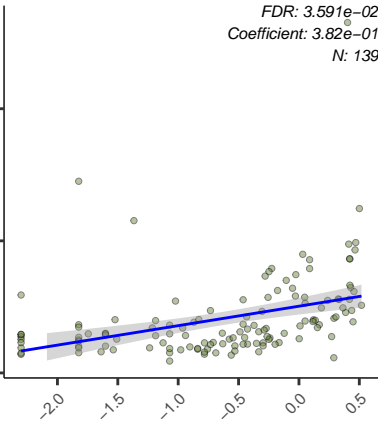
-1.0

-0.5

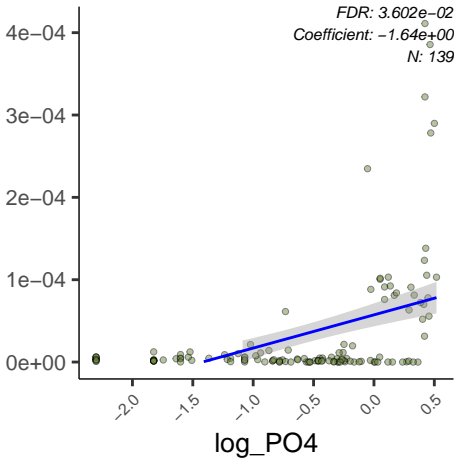
0.0

0.5

log_PO4



COG1148



COG3603

FDR: 3.602e-02
Coefficient: 8.25e-01
N: 139

8e-05

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

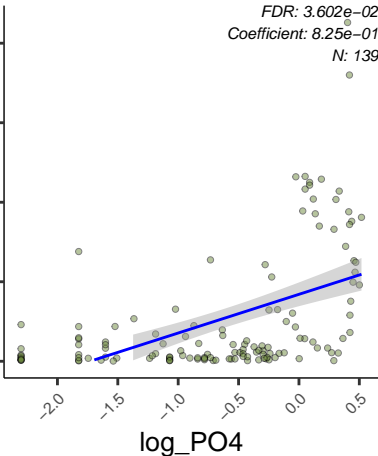
-1.0

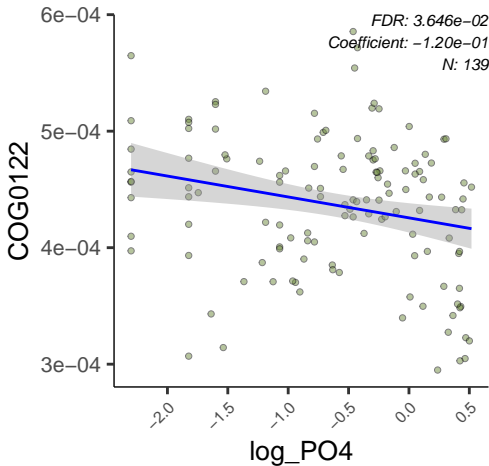
-0.5

0.0

0.5

log_PO4





COG3270

FDR: 3.658e-02
Coefficient: 1.61e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

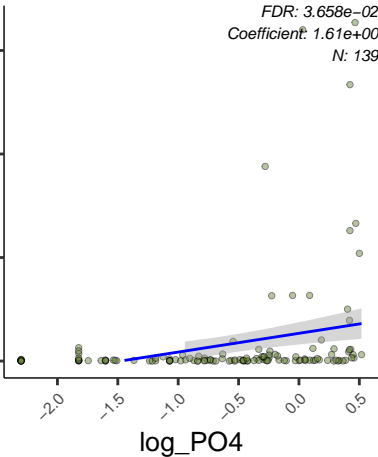
-1.0

-0.5

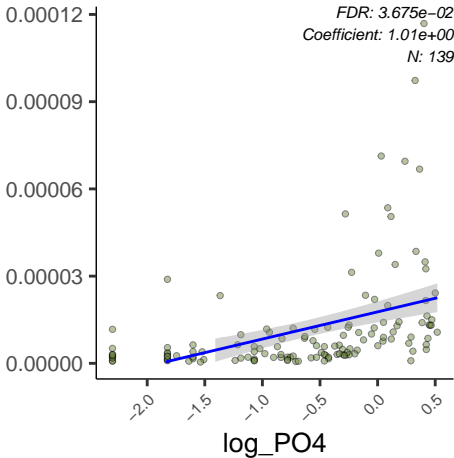
0.0

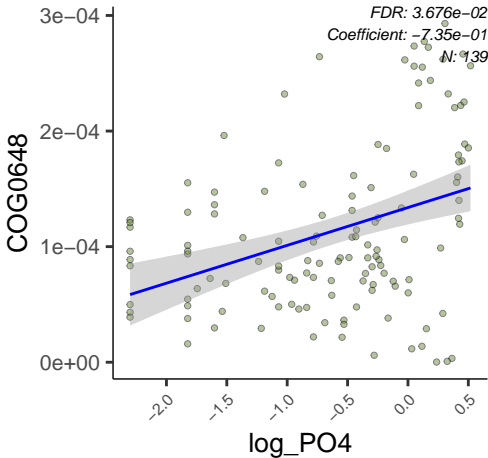
0.5

log_PO4



COG3530





COG4953

FDR: 3.703×10^{-2}
Coefficient: 3.65×10^{-1}
N: 139

4×10^{-5}

3×10^{-5}

2×10^{-5}

1×10^{-5}

-2.0

-1.5

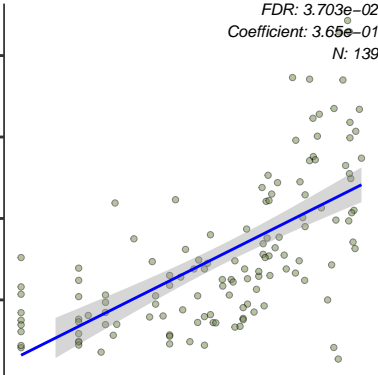
-1.0

-0.5

0.0

0.5

log_PO4



COG4326

FDR: $3.726e-02$
Coefficient: $1.55e+00$
N: 139

$4e-05$

$3e-05$

$2e-05$

$1e-05$

$0e+00$

-2.0

-1.5

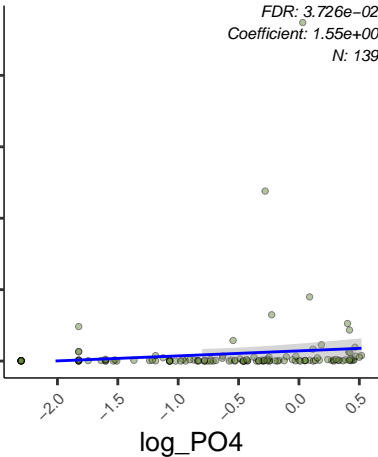
-1.0

-0.5

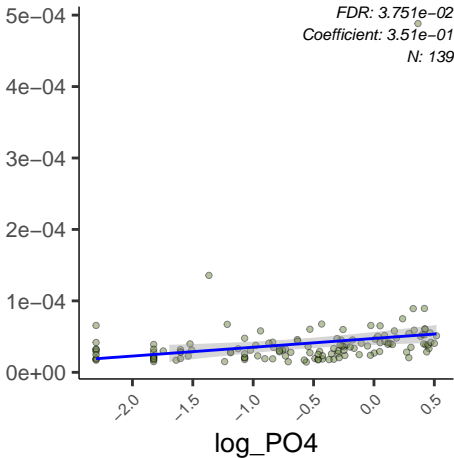
0.0

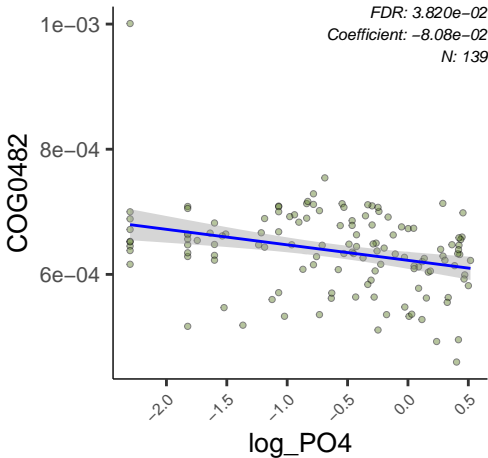
0.5

log_PO4



COG1020



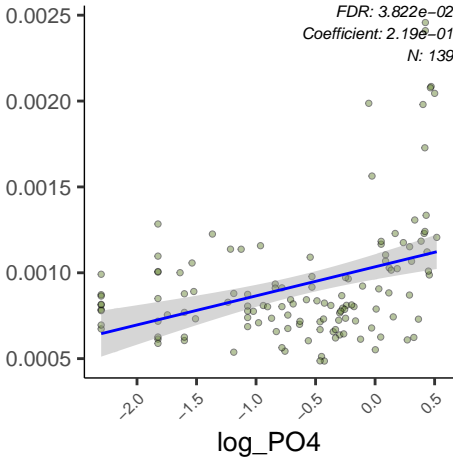


COG0582

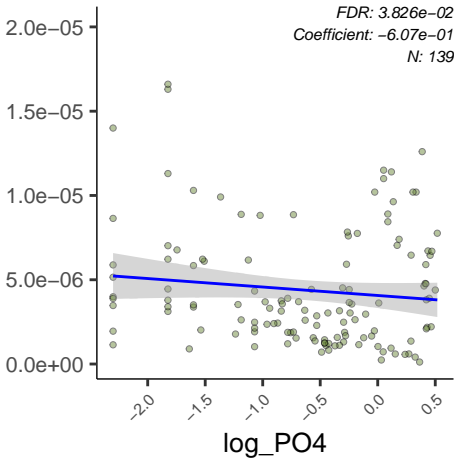
FDR: 3.822e-02

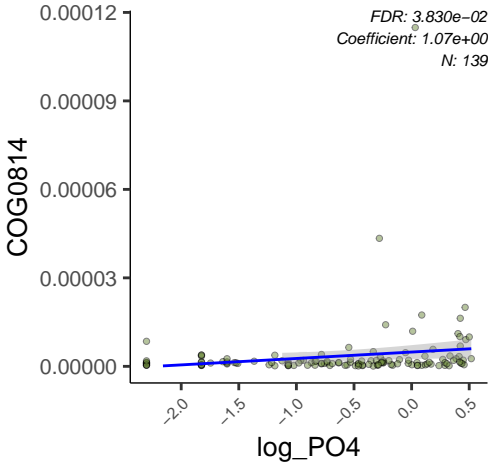
Coefficient: 2.19e-01

N: 139

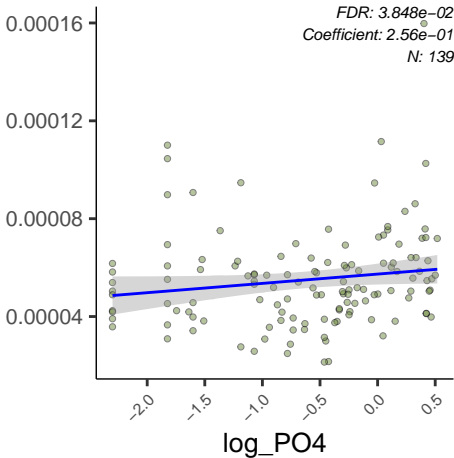


COG5379

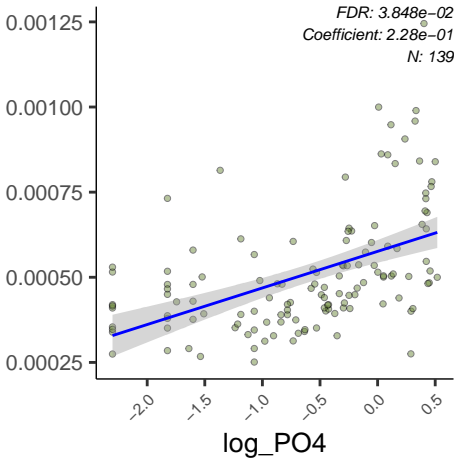




COG1677



COG1595



COG1112

FDR: 3.854e-02

Coefficient: 1.84e-01

N: 139

0.00020

0.00015

0.00010

0.00005

-2.0

-1.5

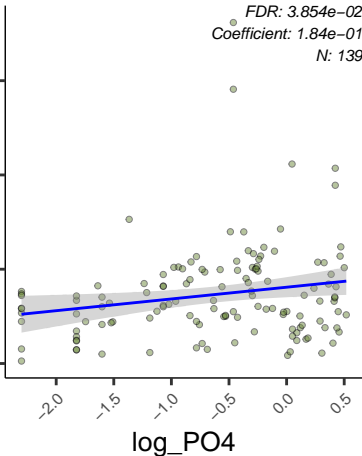
-1.0

-0.5

0.0

0.5

log_PO4



COG4264

FDR: 3.855e-02
Coefficient: 1.13e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

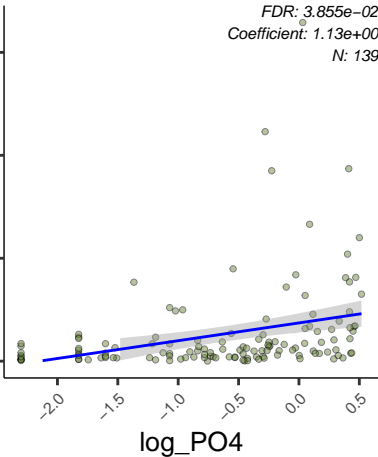
-1.0

-0.5

0.0

0.5

log_PO4



COG0030

FDR: 3.890e-02

Coefficient: -6.45e-02

N: 139

6e-04

5e-04

4e-04

-2.0

-1.5

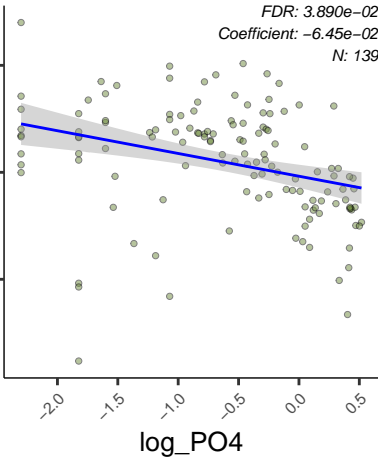
-1.0

-0.5

0.0

0.5

log_PO4



COG0270

FDR: 3.890e-02

Coefficient: 1.50e-01

N: 139

4e-04

3e-04

2e-04

log_PO4

-2.0

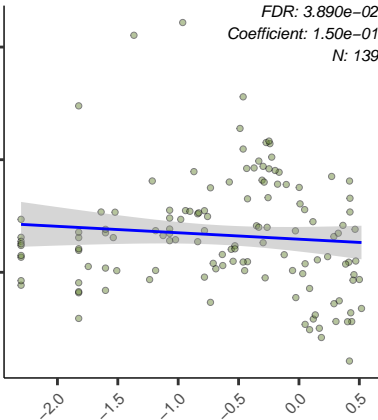
-1.5

-1.0

-0.5

0.0

0.5



COG4753

FDR: 3.890e-02
Coefficient: 6.26e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

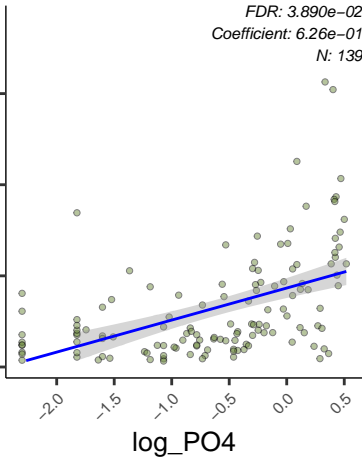
-1.0

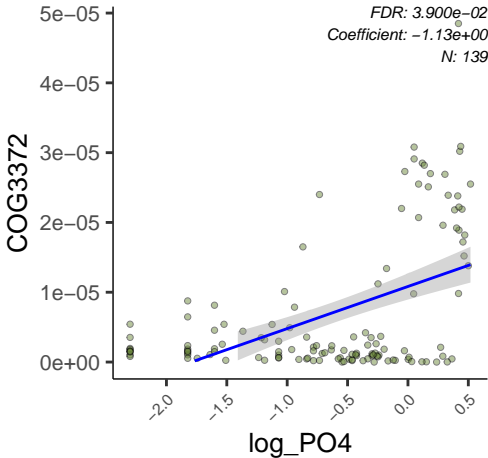
-0.5

0.0

0.5

log_PO4





COG3615

FDR: 3.911e-02
Coefficient: 1.33e+00
N: 139

8e-06

6e-06

4e-06

2e-06

0e+00

-2.0

-1.5

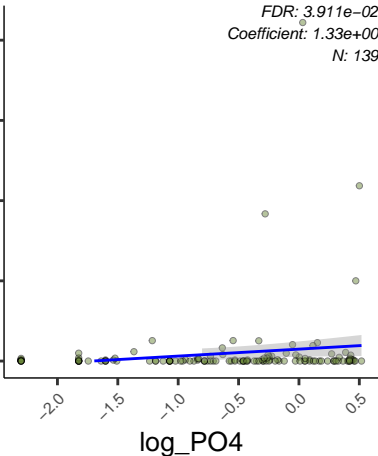
-1.0

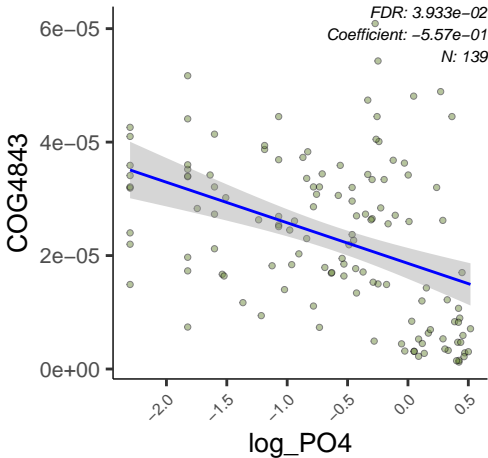
-0.5

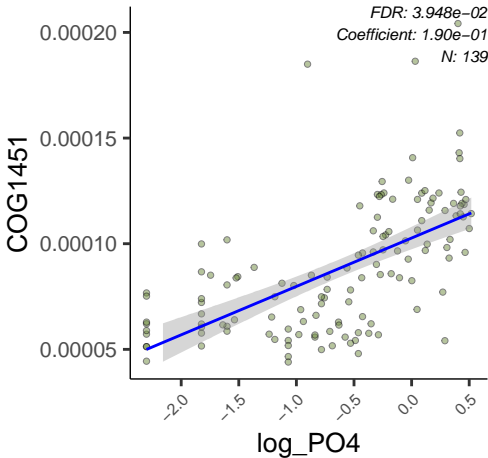
0.0

0.5

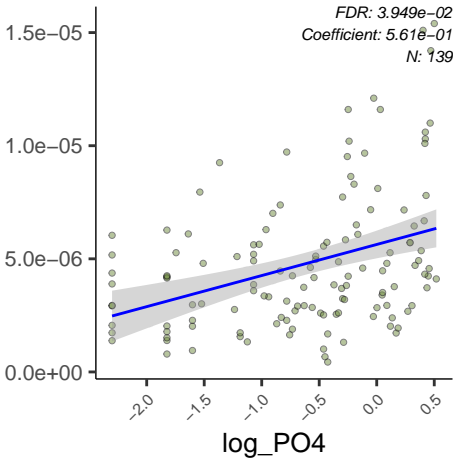
log_PO4



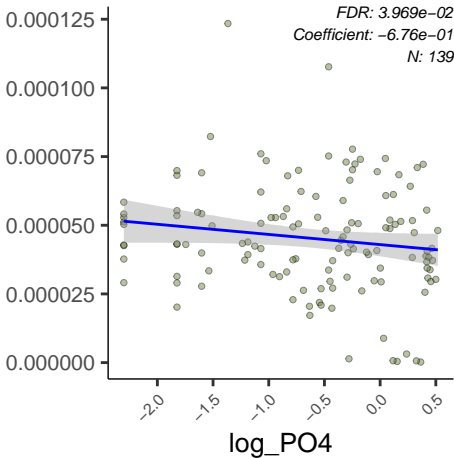




COG4930



COG3336



COG0350

FDR: 3.972×10^{-2}
Coefficient: -1.02×10^{-1}
N: 139

5×10^{-4}

4×10^{-4}

3×10^{-4}

-2.0

-1.5

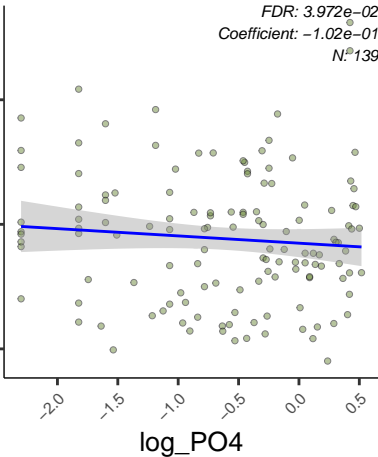
-1.0

-0.5

0.0

0.5

log_PO4



COG3707

FDR: 3.977e-02

Coefficient: 6.48e-01

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

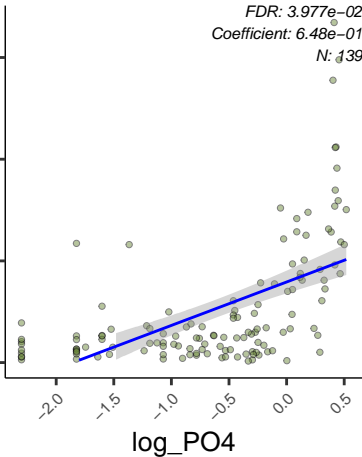
-1.0

-0.5

0.0

0.5

log_PO4



COG3324

FDR: 3.981e-02
Coefficient: 8.08e-01
N: 139

1e-04

5e-05

0e+00

-2.0

-1.5

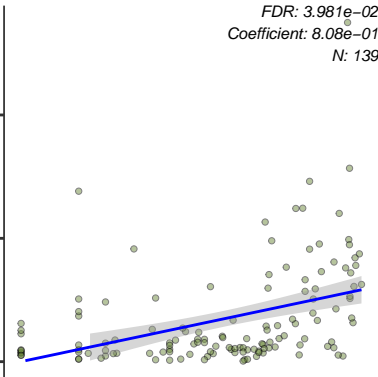
-1.0

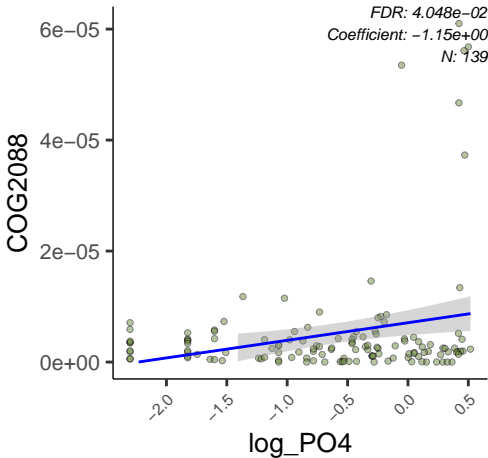
-0.5

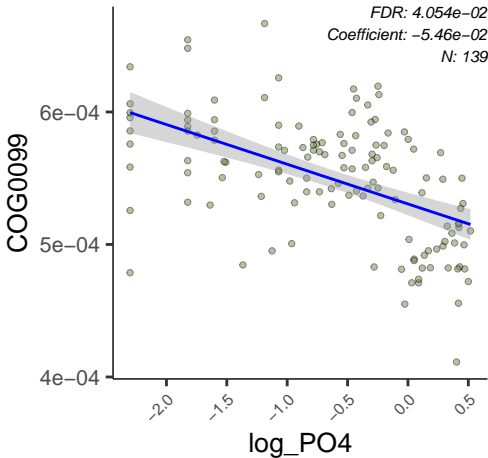
0.0

0.5

log_PO4







COG3682

FDR: 4.073e-02
Coefficient: 8.63e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

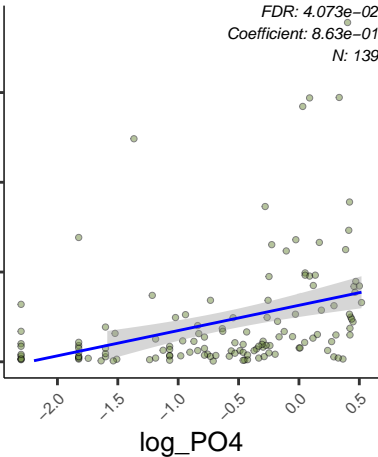
-1.0

-0.5

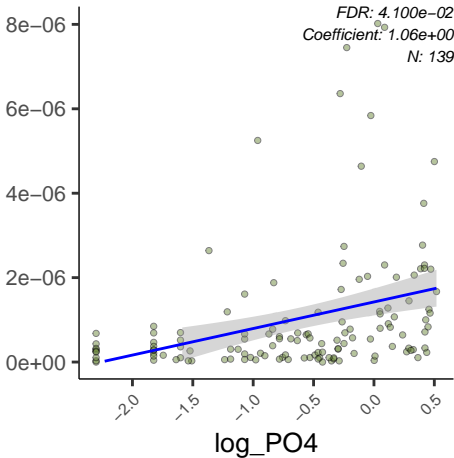
0.0

0.5

log_PO4



COG3322



COG0164

$6e-04$

$5e-04$

$4e-04$

-2.0

-1.5

-1.0

-0.5

0.0

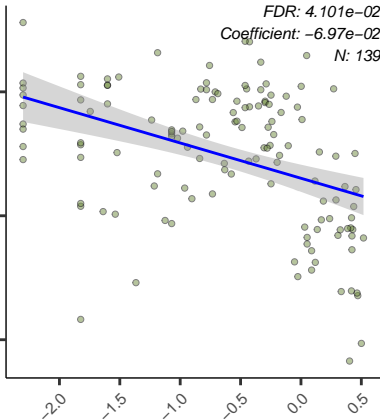
0.5

log_PO4

FDR: $4.101e-02$

Coefficient: $-6.97e-02$

N: 139



COG2826

FDR: 4.170e-02

Coefficient: 8.76e-01

N: 139

4e-04

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

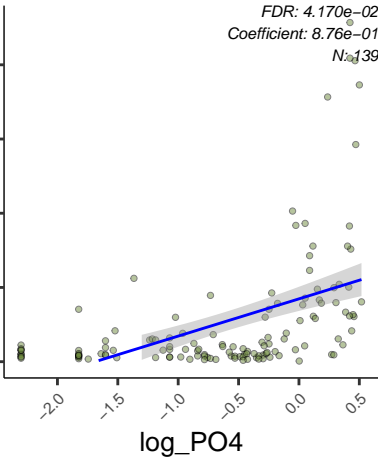
-1.0

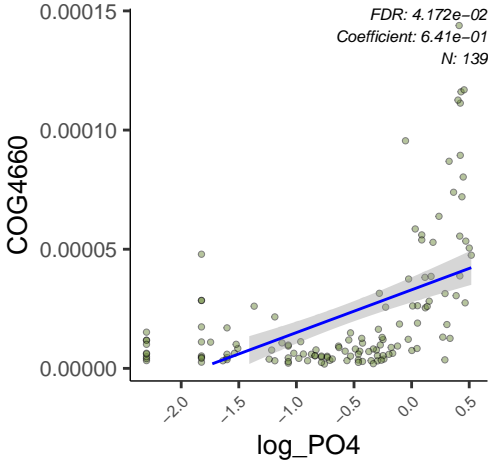
-0.5

0.0

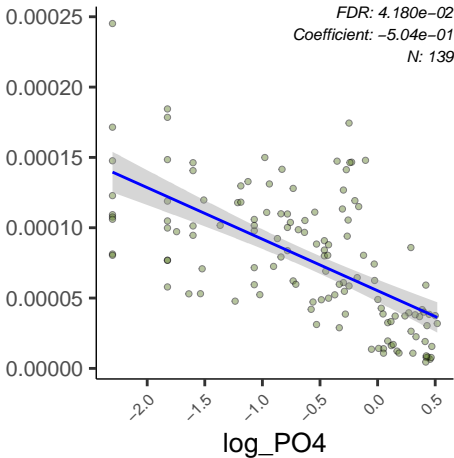
0.5

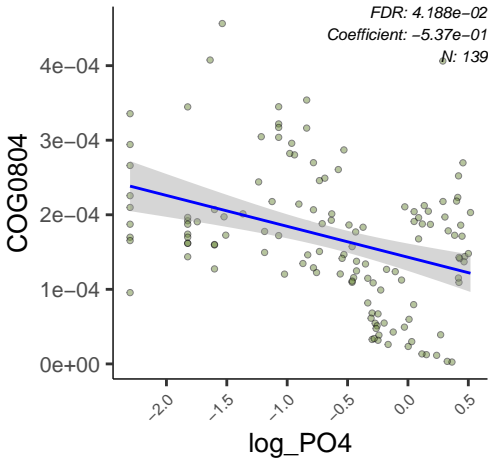
log_PO4





COG4454





COG3101

FDR: $4.191\text{e-}02$
Coefficient: $6.88\text{e-}01$
N: 139

$9\text{e-}05$

$6\text{e-}05$

$3\text{e-}05$

$0\text{e+}00$

-2.0

-1.5

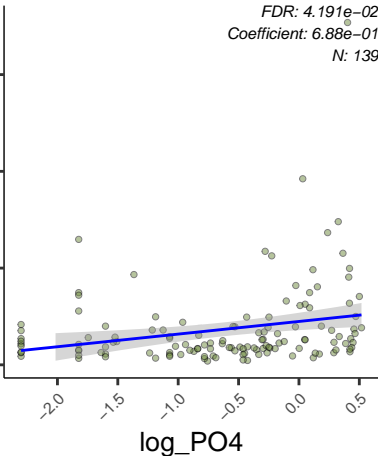
-1.0

-0.5

0.0

0.5

log_PO4



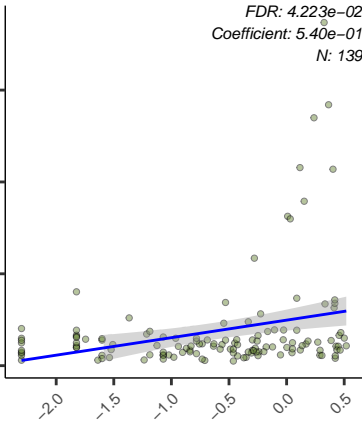
COG2996

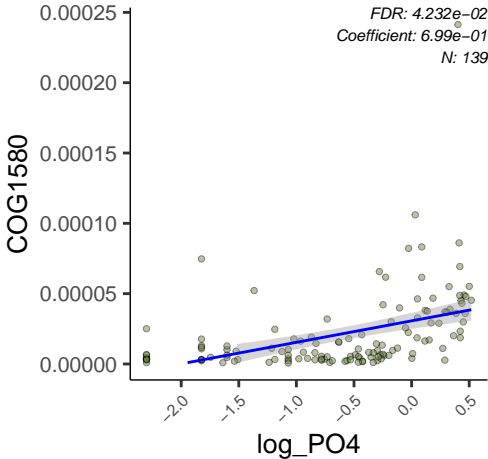
FDR: 4.223e-02
Coefficient: 5.40e-01
N: 139

0.00015
0.00010
0.00005
0.00000

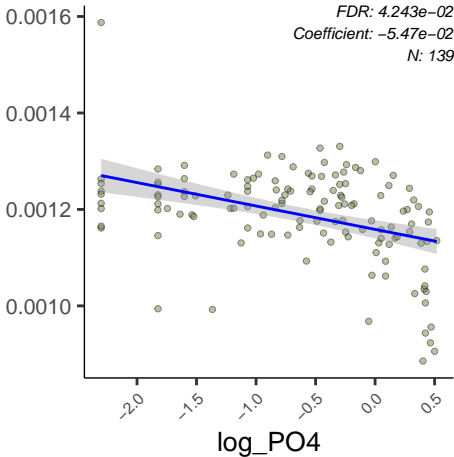
-2.0
-1.5
-1.0
-0.5
0.0
0.5

log_PO4





COG0142



COG4263

FDR: 4.297e-02
Coefficient: 1.08e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

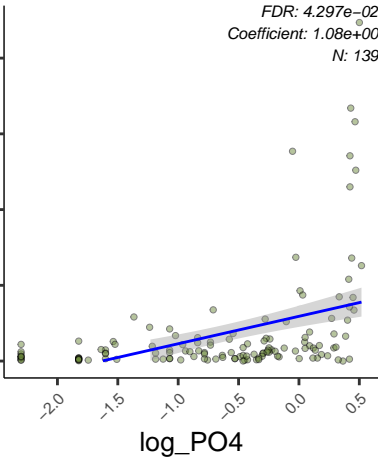
-1.0

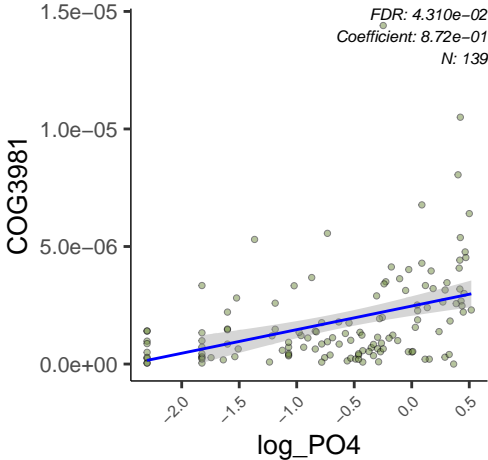
-0.5

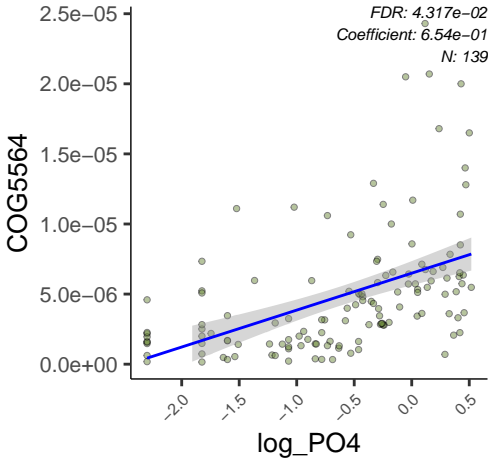
0.0

0.5

log_PO4







COG3490

FDR: 4.330e-02
Coefficient: 8.45e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

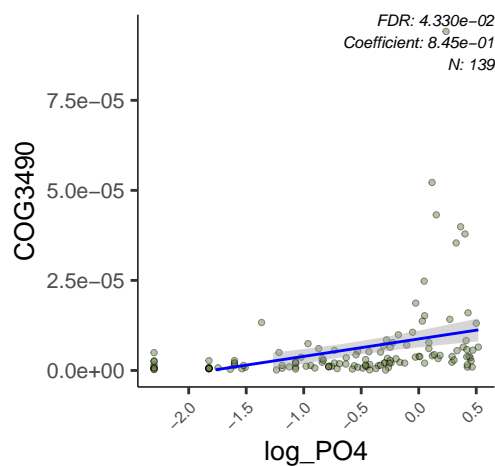
-1.0

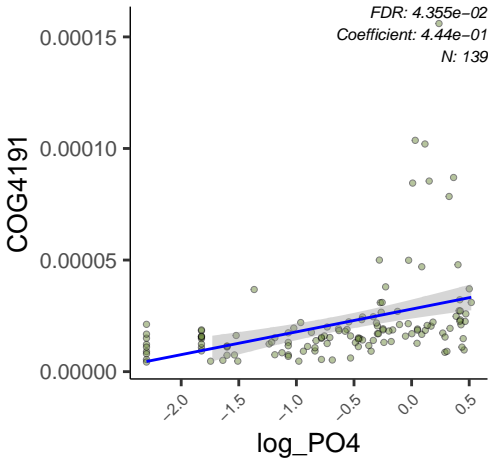
-0.5

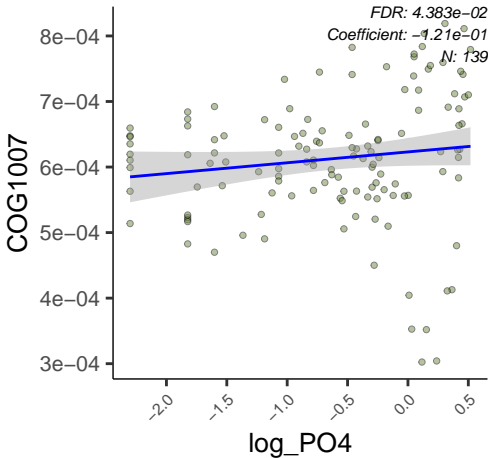
0.0

0.5

log_PO4







COG4579

FDR: 4.385e-02
Coefficient: 4.84e-01
N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

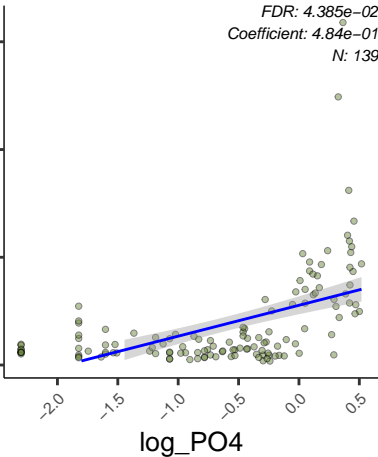
-1.0

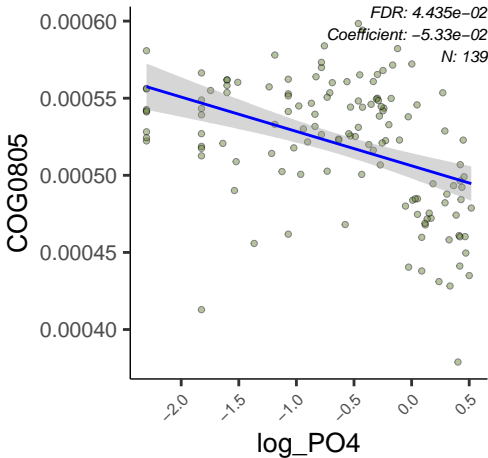
-0.5

0.0

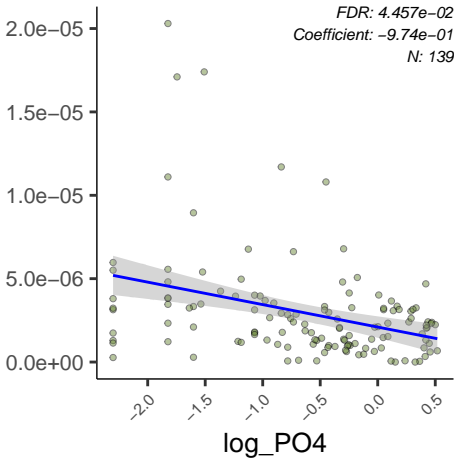
0.5

log_PO4





COG4689



COG2059

FDR: 4.459e-02

Coefficient: -4.16e-01

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

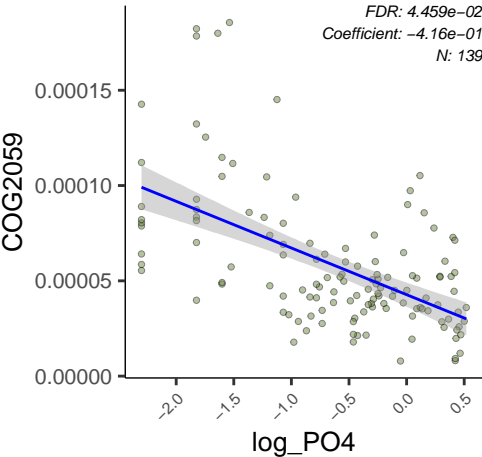
-1.0

-0.5

0.0

0.5

log_PO4



COG0778

FDR: 4.467e-02
Coefficient: 1.39e-01
N: 139

1e-03

8e-04

6e-04

4e-04

-2.0

-1.5

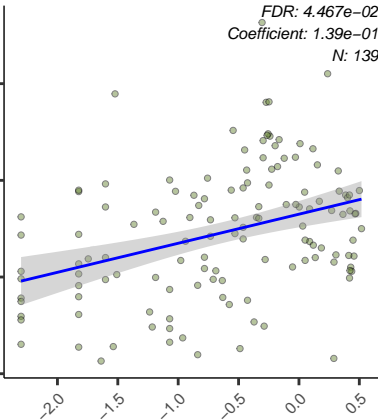
-1.0

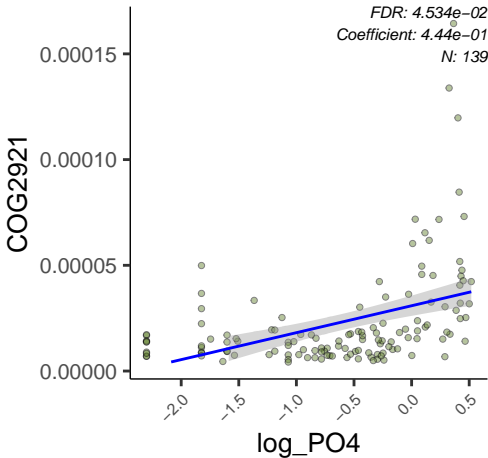
-0.5

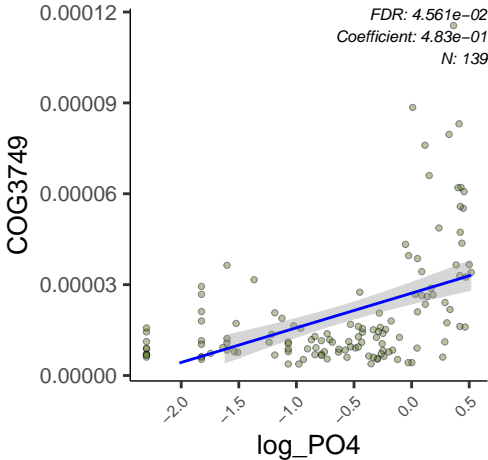
0.0

0.5

log_PO4







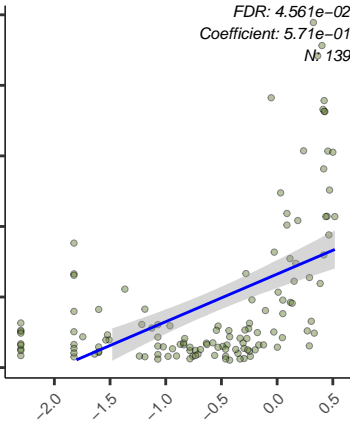
COG4658

0.000125
0.000100
0.000075
0.000050
0.000025
0.000000

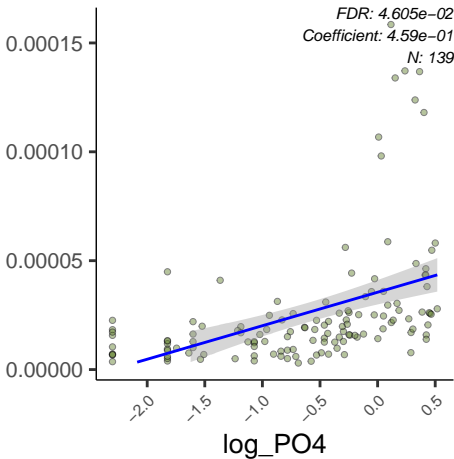
-2.0 -1.5 -1.0 -0.5 0.0 0.5

log_PO4

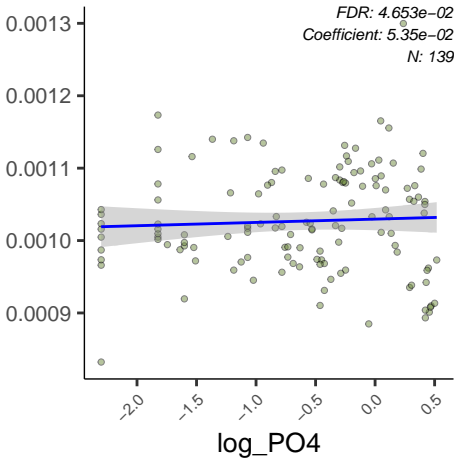
FDR: 4.561e-02
Coefficient: 5.71e-01
N: 139



COG1739



COG1249



COG2838

0.00020

0.00015

0.00010

0.00005

-2.0

-1.5

-1.0

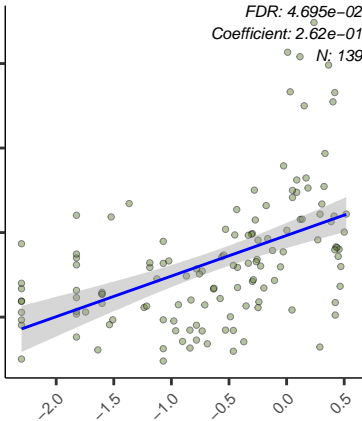
-0.5

0.0

0.5

log_PO4

FDR: 4.695e-02
Coefficient: 2.62e-01
N: 139



COG1334

FDR: 4.701e-02
Coefficient: 6.39e-01
N: 139

1.0e-04

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

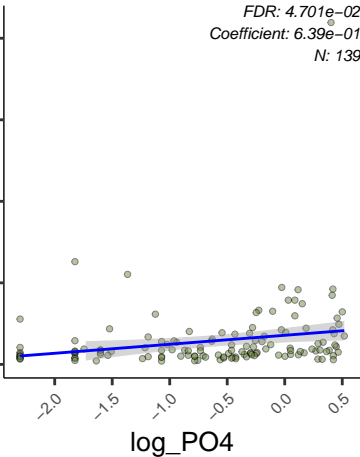
-1.0

-0.5

0.0

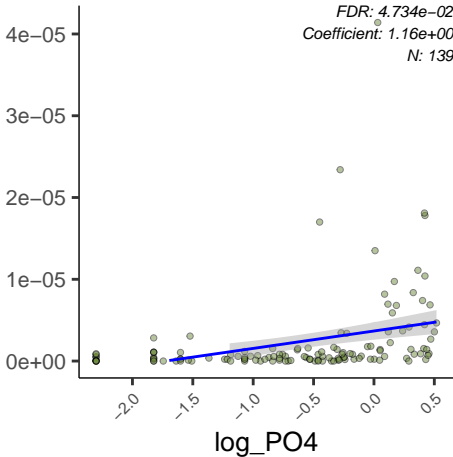
0.5

log_PO4



COG4895

FDR: 4.734e-02
Coefficient: 1.16e+00
N: 139



COG0148

8e-04

7e-04

6e-04

-2.0

-1.5

-1.0

-0.5

0.0

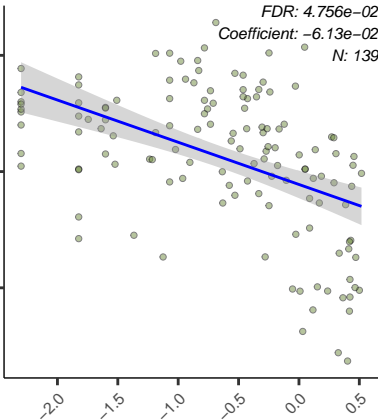
0.5

log_PO4

FDR: 4.756e-02

Coefficient: -6.13e-02

N: 139



COG4104

FDR: 4.767e-02

Coefficient: 8.23e-01

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

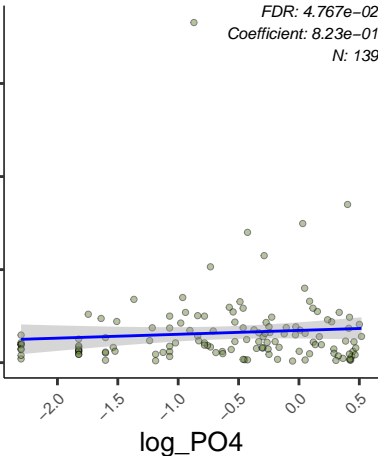
-1.0

-0.5

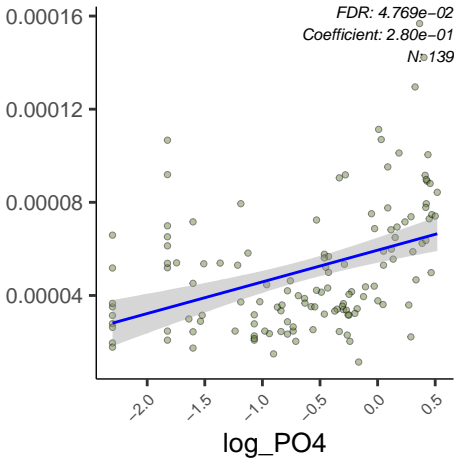
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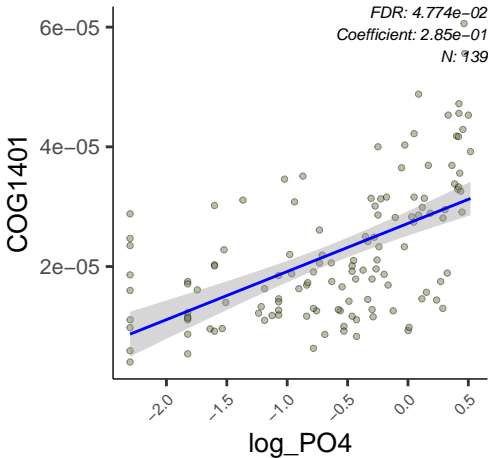
0.5

log_PO4



COG2920





COG0659

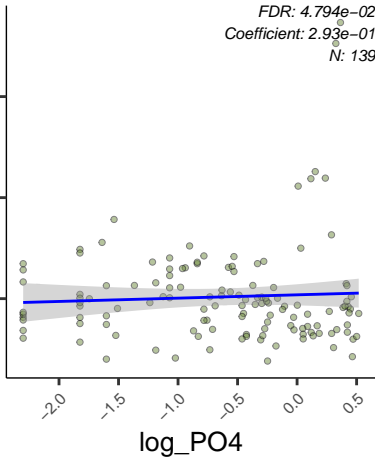
FDR: 4.794e-02
Coefficient: 2.93e-01
N: 139

0.0012

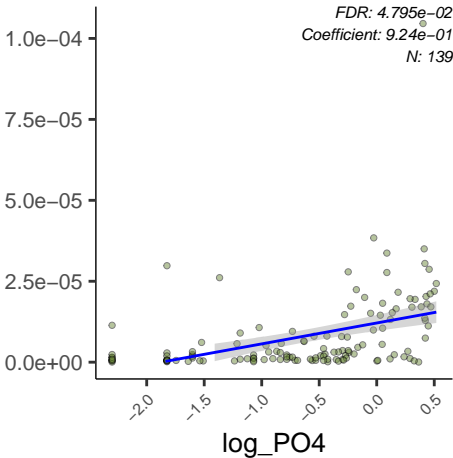
0.0008

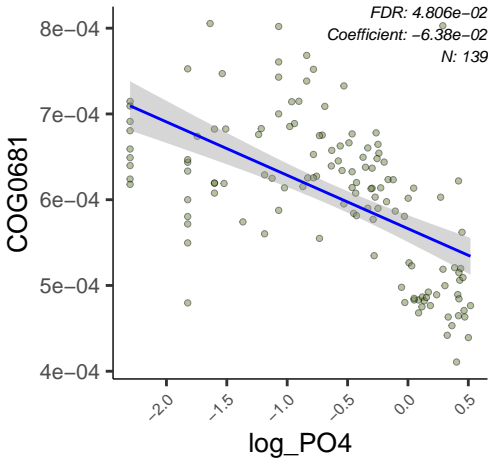
0.0004

log_PO4



COG3072





COG4124

FDR: 4.874e-02
Coefficient: 7.88e-01
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

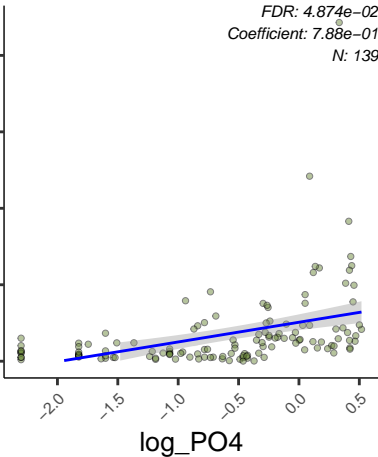
-1.0

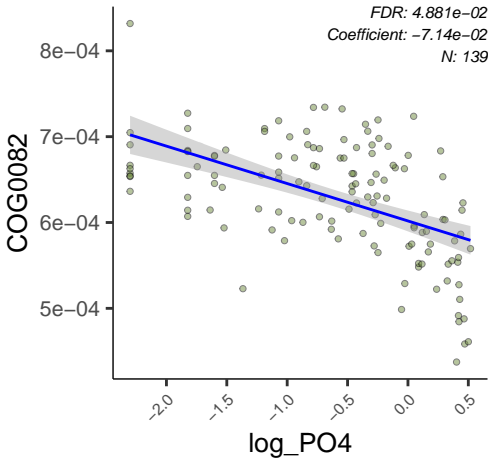
-0.5

0.0

0.5

log_PO4





COG1865

FDR: 4.886e-02
Coefficient: 1.40e+00
N: 139

2e-05

1e-05

0e+00

-2.0

-1.5

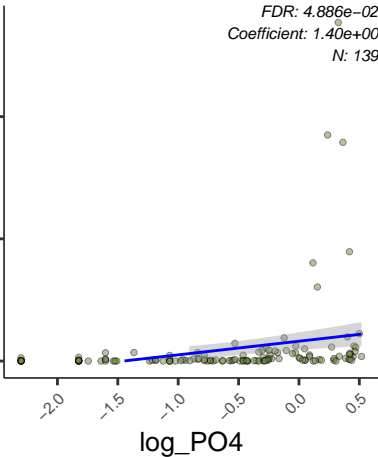
-1.0

-0.5

0.0

0.5

log_PO4



COG2863

FDR: 4.902e-02
Coefficient: 2.17e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

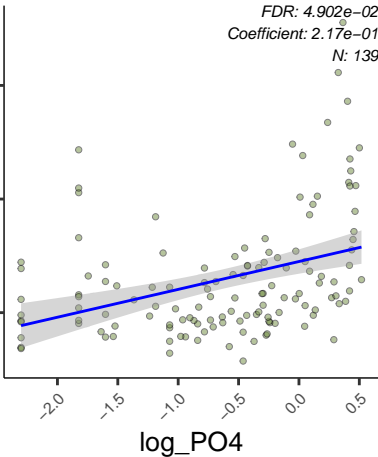
-1.0

-0.5

0.0

0.5

log_PO4



COG3123

FDR: 4.913e-02
Coefficient: 6.94e-01
N: 139

0.00015
0.00010
0.00005
0.00000

-2.0

-1.5

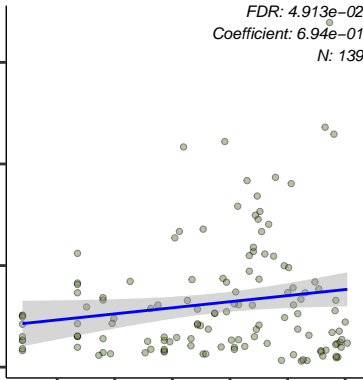
-1.0

-0.5

0.0

0.5

log_PO4



COG5508

FDR: 4.926e-02
Coefficient: 1.17e+00
N: 139

8e-06

6e-06

4e-06

2e-06

0e+00

-2.0

-1.5

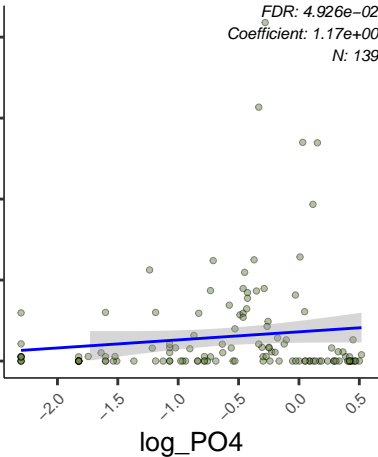
-1.0

-0.5

0.0

0.5

log_PO4



COG1965

FDR: 4.927e-02
Coefficient: 4.76e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

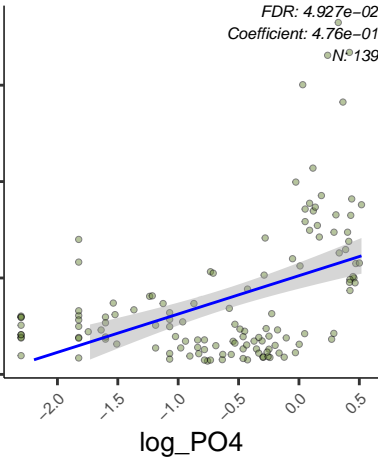
-1.0

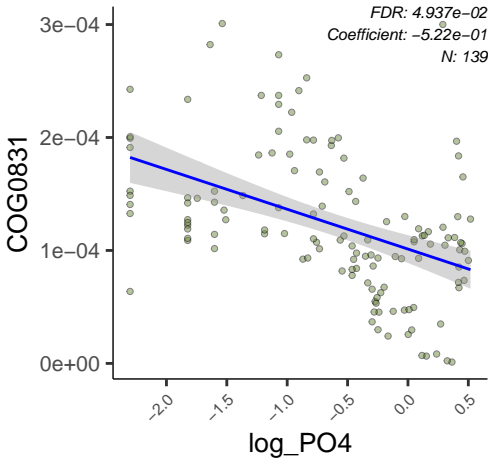
-0.5

0.0

0.5

log_PO4





COG3437

FDR: 4.961e-02
Coefficient: 4.99e-01
N: 139

6e-04

4e-04

2e-04

0e+00

-2.0

-1.5

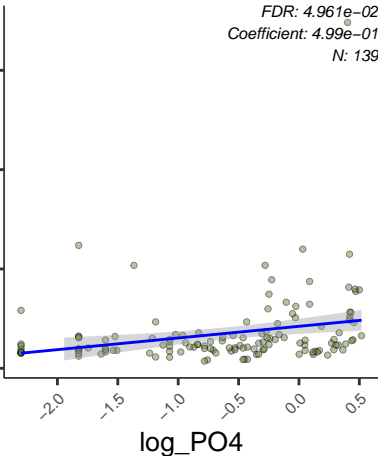
-1.0

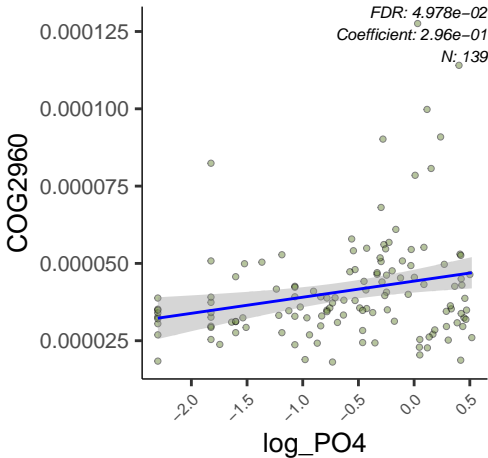
-0.5

0.0

0.5

log_PO4





COG1737

FDR: 4.981e-02
Coefficient: 3.88e-01
N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

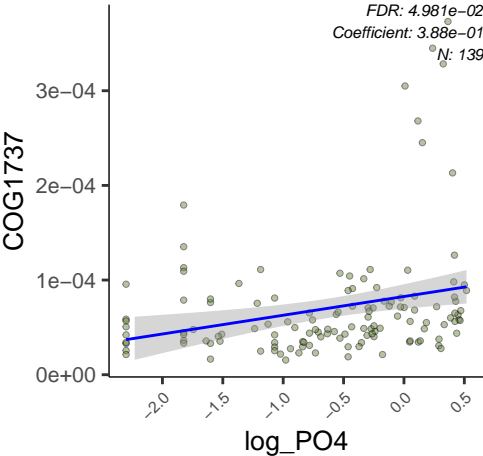
-1.0

-0.5

0.0

0.5

log_PO4



COG2733

FDR: $4.987\text{e-}02$
Coefficient: $8.20\text{e-}01$
N: 139

$4\text{e-}05$
 $2\text{e-}05$
 $0\text{e+}00$

-2.0

-1.5

-1.0

-0.5

0.0

0.5

log_PO4

