

COG0394

FDR: 1.865e-09

Coefficient: -3.36e-01

N: 139

6e-04

5e-04

4e-04

3e-04

2e-04

-2.0

-1.5

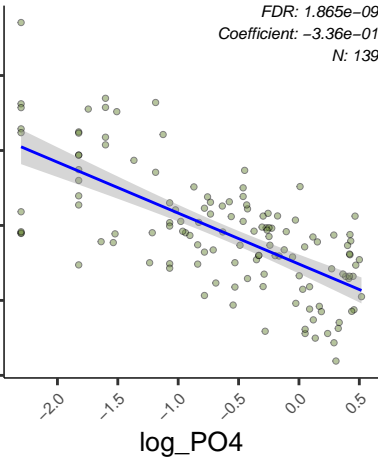
-1.0

-0.5

0.0

0.5

log_PO4



COG1117

FDR: 2.939e-09

Coefficient: -9.41e-01

N: 139

6e-04

4e-04

2e-04

0e+00

-2.0

-1.5

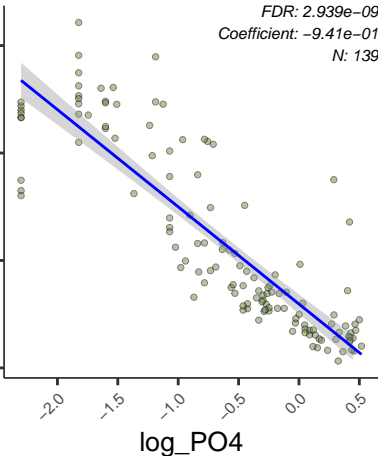
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-0.5

0.0

0.5

log_PO4



COG0226

0.00075

0.00050

0.00025

0.00000

-2.0

-1.5

-1.0

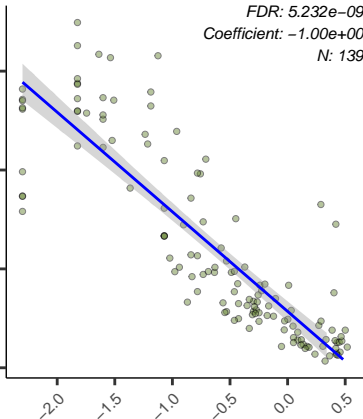
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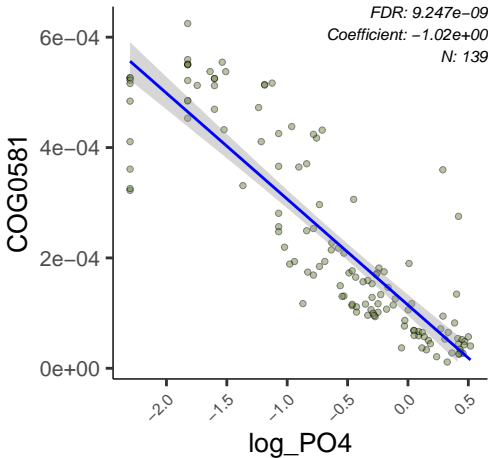
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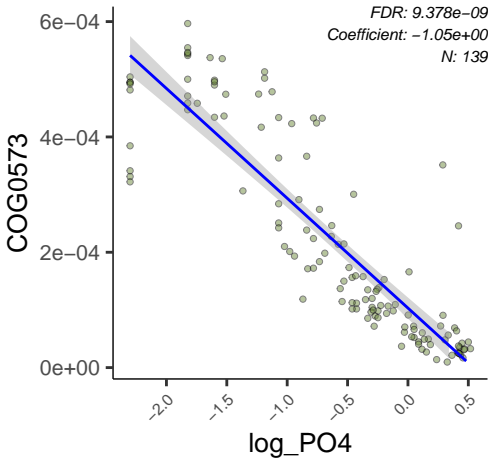
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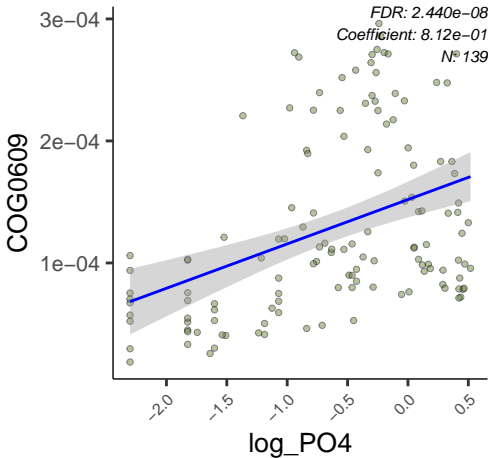
log_PO4

FDR: 5.232e-09
Coefficient: -1.00e+00
N: 139









COG1597

3e-04

2e-04

1e-04

-2.0

-1.5

-1.0

-0.5

0.0

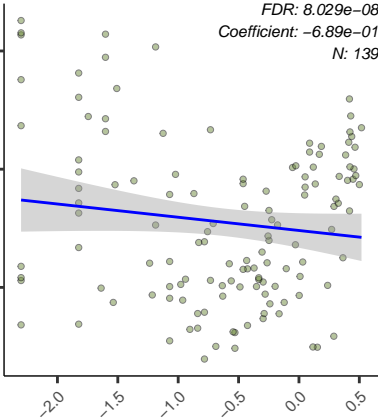
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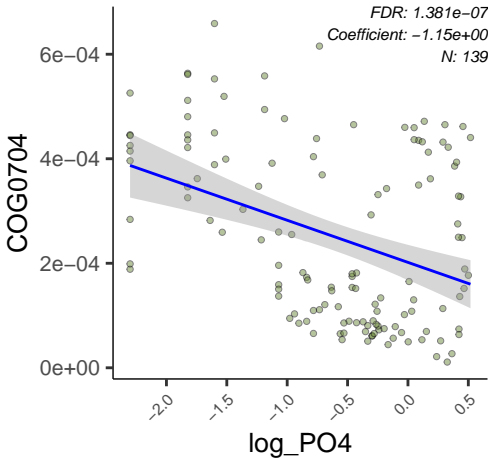
log_PO4

FDR: 8.029e-08

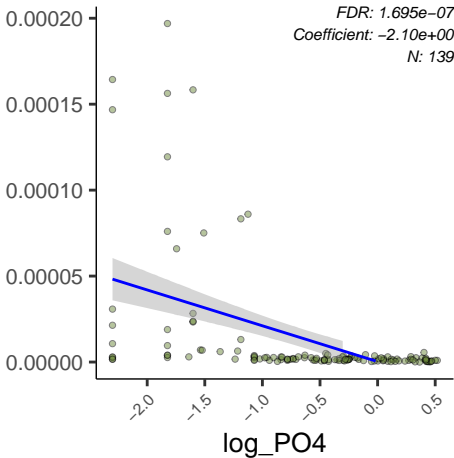
Coefficient: -6.89e-01

N: 139





COG3624



COG2375

FDR: 1.713e-07

Coefficient: 1.05e+00

N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

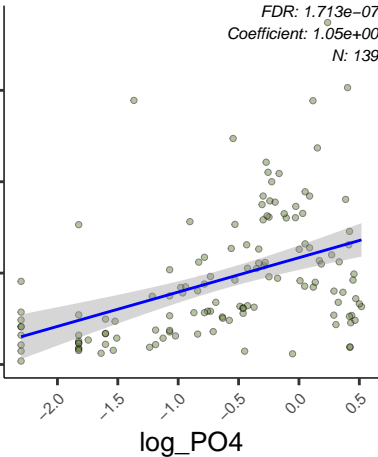
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-0.5

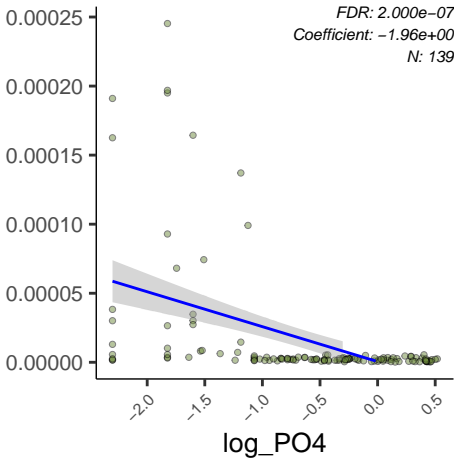
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0.5

log_PO4



COG3627



COG0306

FDR: 5.696e-07
Coefficient: 3.53e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

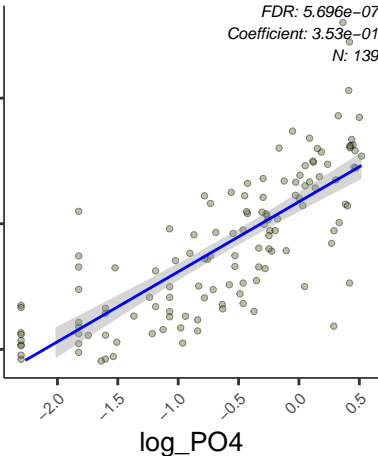
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0.0

0.5

log_PO4



COG4107

FDR: 5.784e-07

Coefficient: -1.90e+00

N: 139

2e-04

1e-04

0e+00

-2.0

-1.5

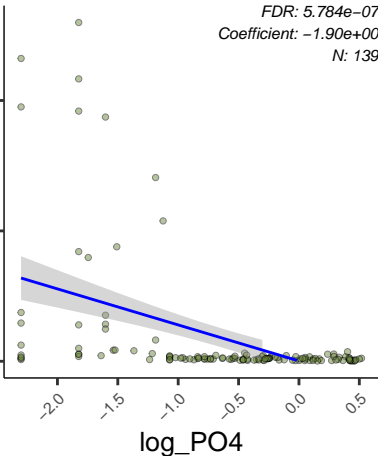
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-0.5

0.0

0.5

log_PO4



COG3625

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

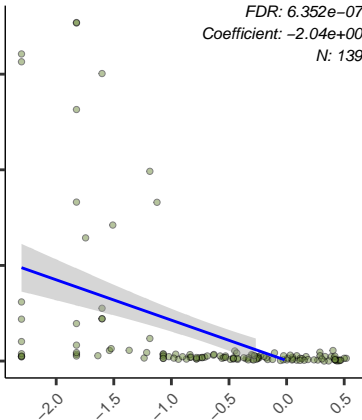
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0.0

0.5

log_PO4

FDR: 6.352e-07
Coefficient: -2.04e+00
N: 139



COG3454

FDR: 6.427e-07

Coefficient: -1.58e+00

N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

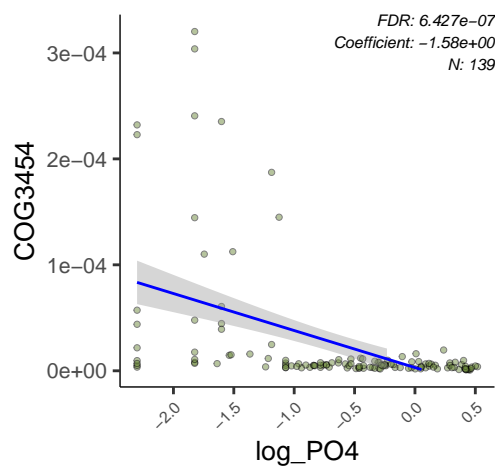
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-0.5

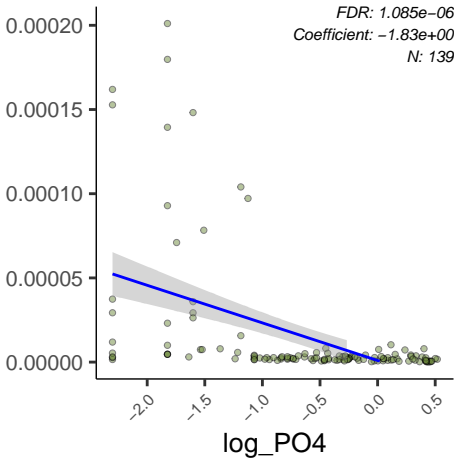
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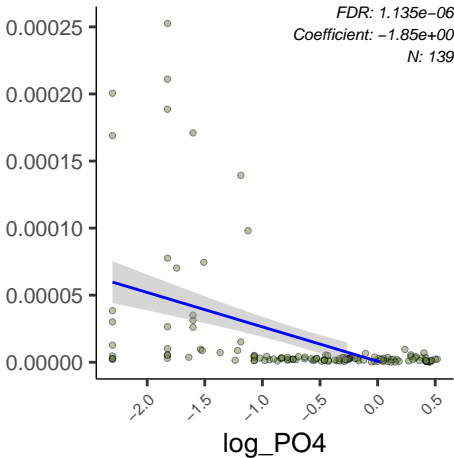
log_PO4



COG4778



COG3626



COG1392

FDR: 1.635e-06

Coefficient: 6.30e-01

N: 139

2e-04

1e-04

0e+00

-2.0

-1.5

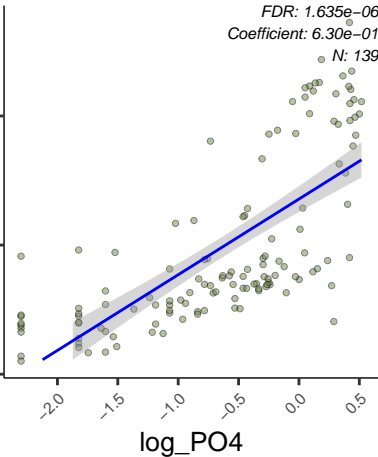
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-0.5

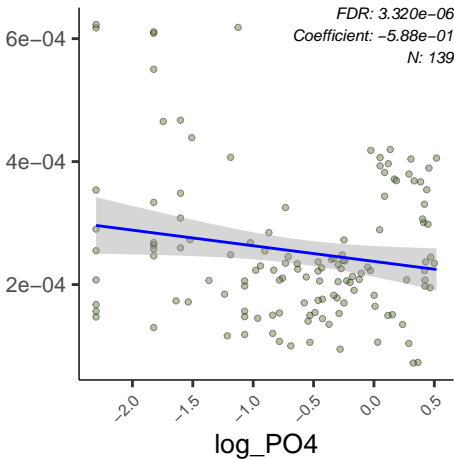
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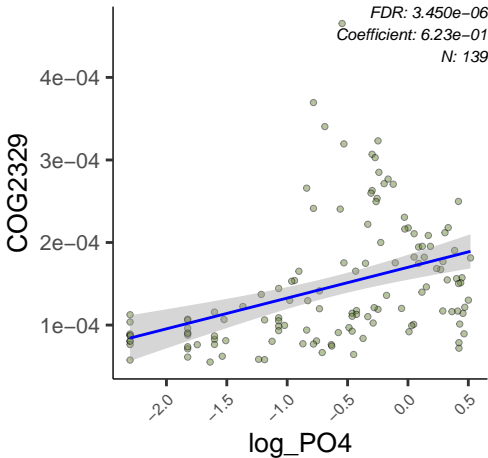
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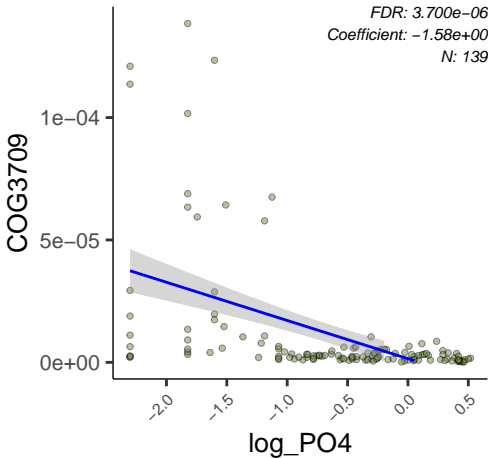
log_PO4



COG3639







COG4268

FDR: 4.036e-06

Coefficient: 7.00e-01

N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

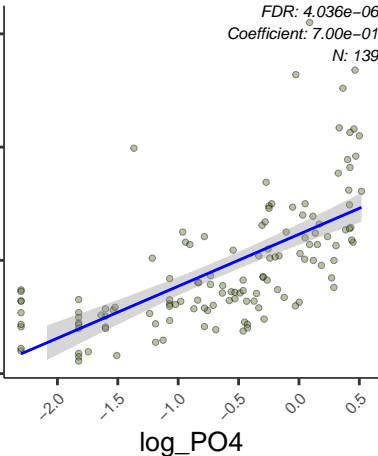
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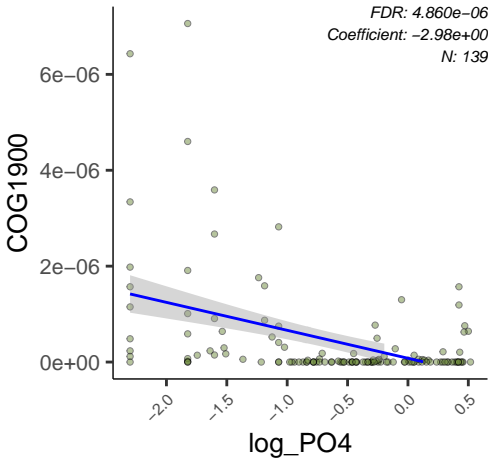
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0.0

0.5

log_PO4





COG4832

FDR: 9.477e-06
Coefficient: 1.99e+00
N: 139

1e-04

5e-05

0e+00

-2.0

-1.5

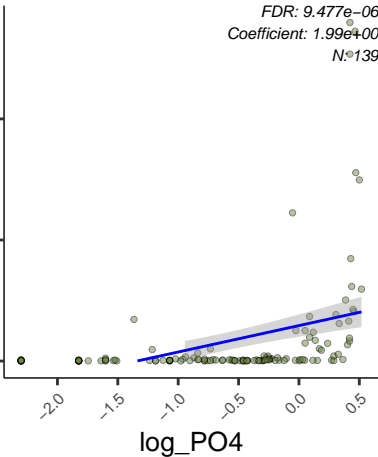
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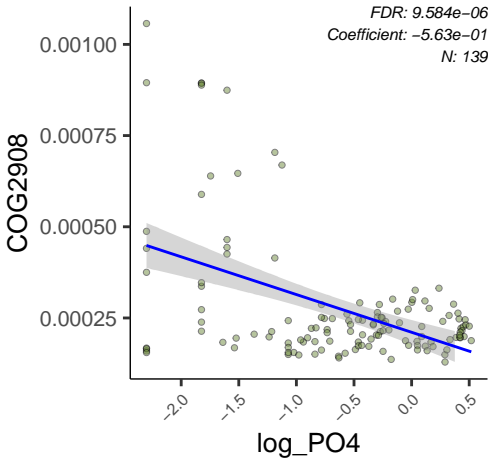
-0.5

0.0

0.5

log_PO4





COG0248

6e-04

4e-04

2e-04

-2.0

-1.5

-1.0

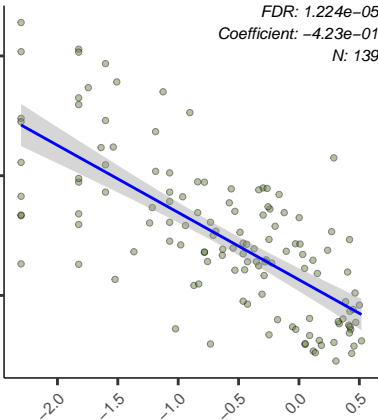
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0.0

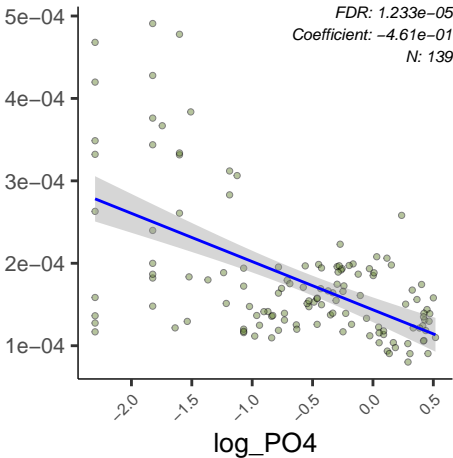
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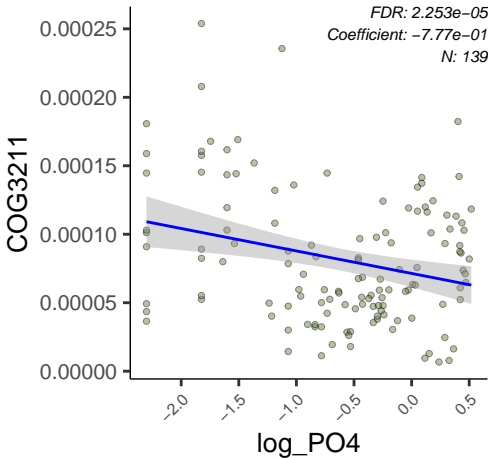
log_PO4

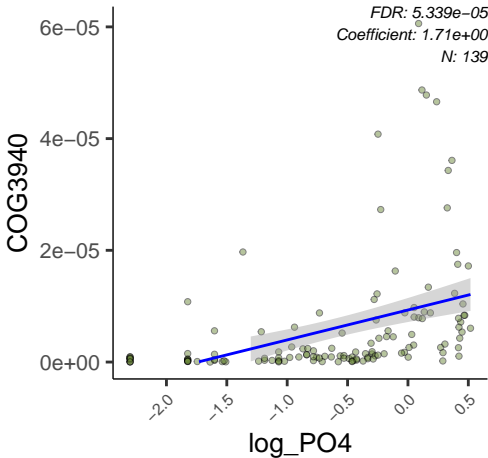
FDR: 1.224e-05
Coefficient: -4.23e-01
N: 139



COG2062







COG4247

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0.00010

0.00005

-2.0

-1.5

-1.0

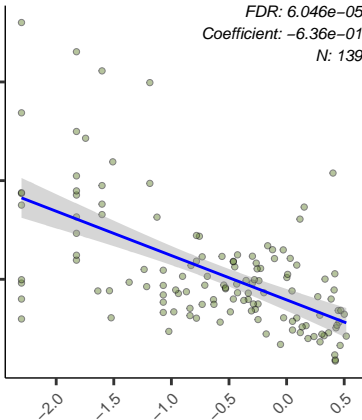
-0.5

0.0

0.5

log_PO4

FDR: 6.046e-05
Coefficient: -6.36e-01
N: 139



COG4558

0.00015
0.00010
0.00005
0.00000

-2.0

-1.5

-1.0

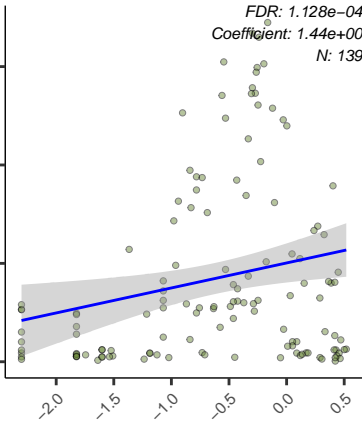
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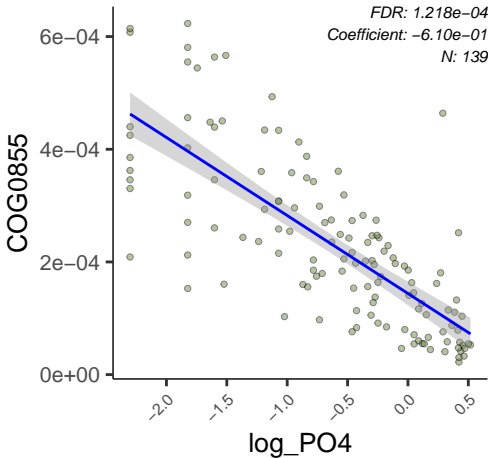
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0.5

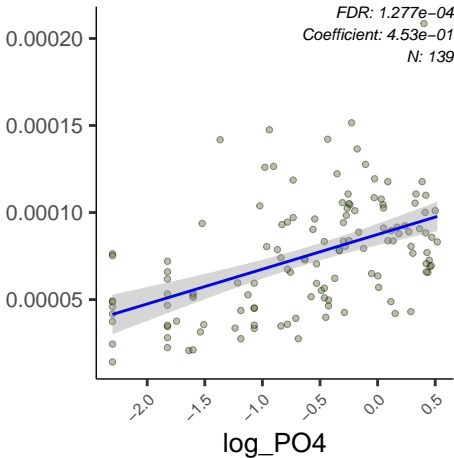
log_PO4

FDR: 1.128e-04
Coefficient: 1.44e+00
N: 139





COG1120



COG0103

FDR: 1.418e-04

Coefficient: -9.58e-02

N: 139

6e-04

5e-04

4e-04

-2.0

-1.5

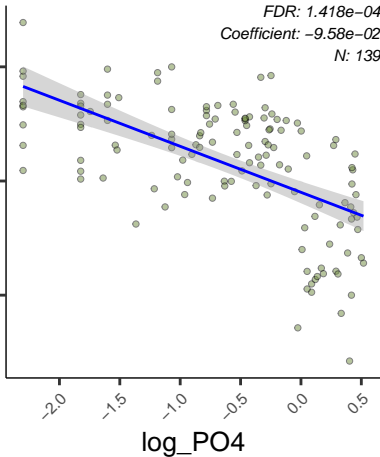
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-0.5

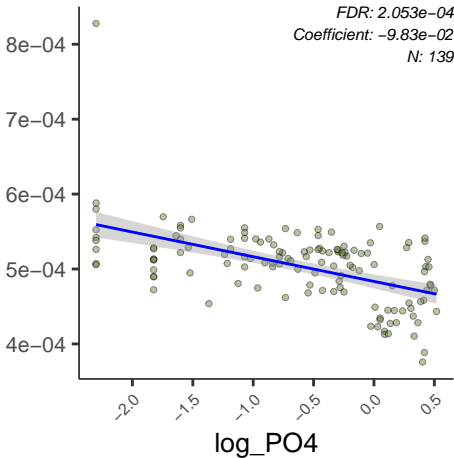
0.0

0.5

log_PO4



COG0105



COG1059

FDR: $2.350e-04$
Coefficient: $-2.04e+00$
N: 139

$9e-06$

$6e-06$

$3e-06$

$0e+00$

-2.0

-1.5

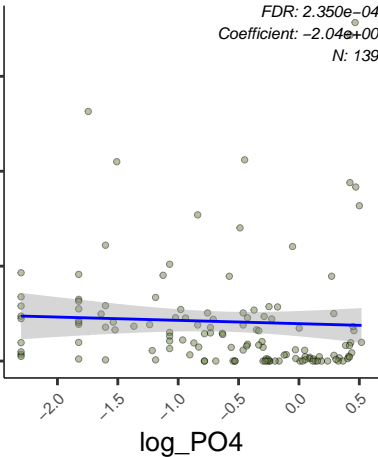
-1.0

-0.5

0.0

0.5

log_PO4



COG4682

FDR: 3.027e-04
Coefficient: 1.39e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

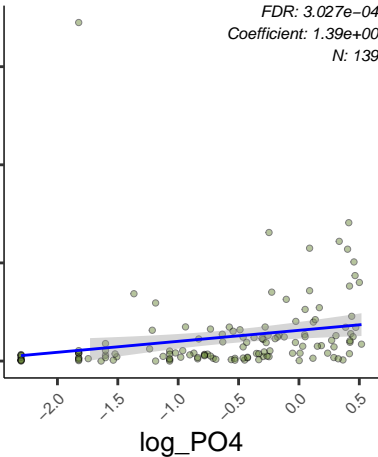
-1.0

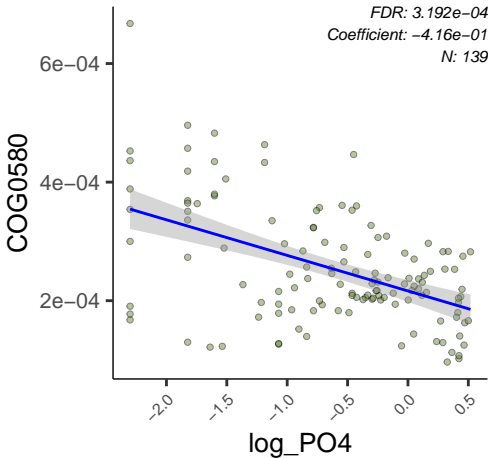
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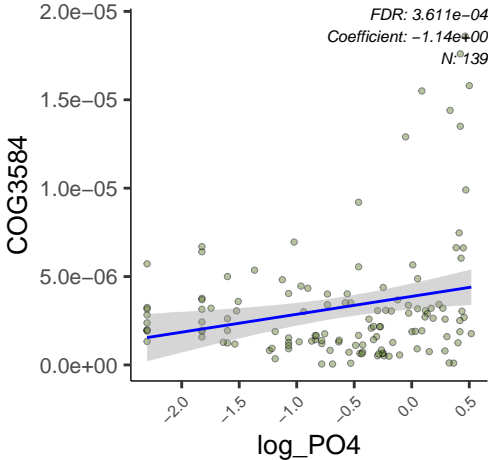
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0.5

log_PO4







COG3227

FDR: 3.652e-04
Coefficient: 8.48e-01
N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

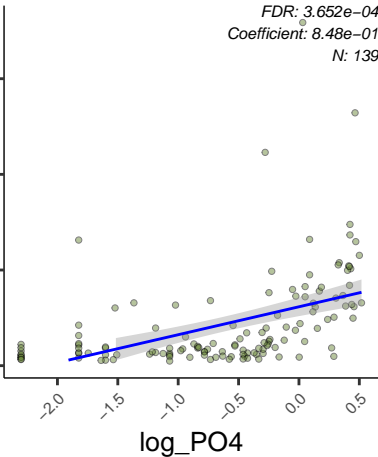
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-0.5

0.0

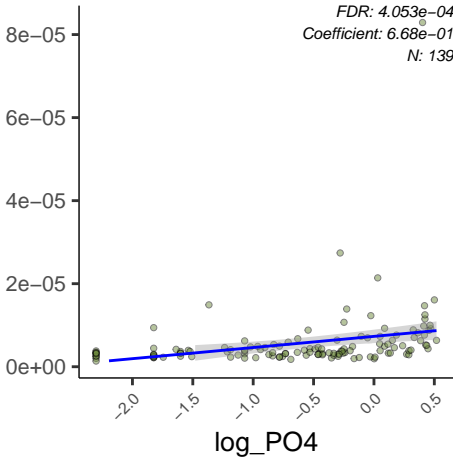
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log_PO4



COG3886

FDR: 4.053e-04
Coefficient: 6.68e-01
N: 139



COG5421

FDR: 4.306e-04
Coefficient: 1.43e+00
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

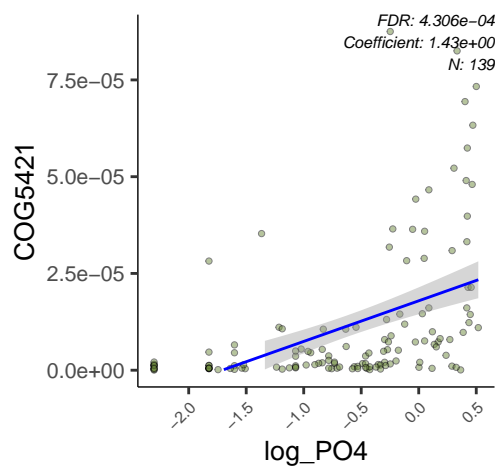
-1.0

-0.5

0.0

0.5

log_PO4



COG4794

FDR: 4.685e-04
Coefficient: 1.20e+00
N: 139

2.0e-06

1.5e-06

1.0e-06

5.0e-07

0.0e+00

-2.0

-1.5

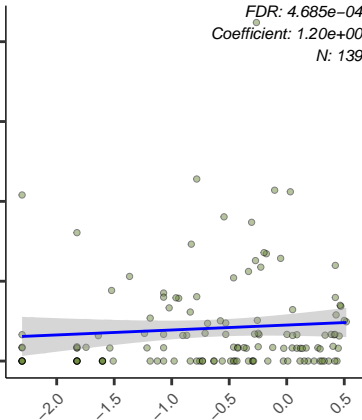
-1.0

-0.5

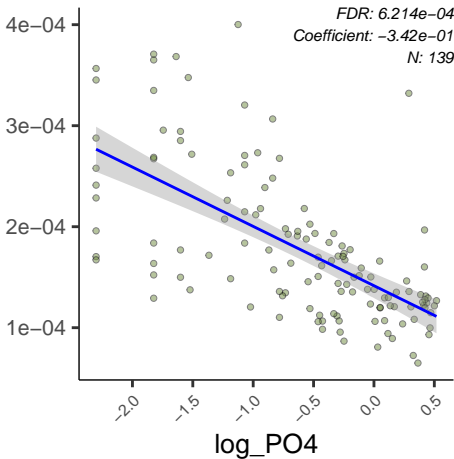
0.0

0.5

log_PO4



COG3638



COG4559

FDR: 6.491e-04
Coefficient: 1.18e+00
N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

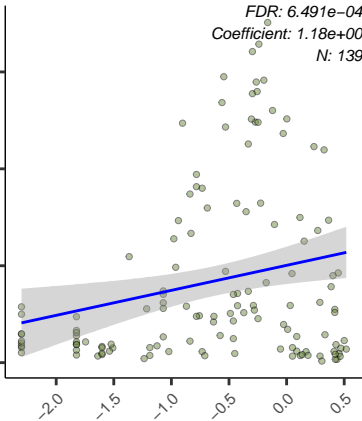
-1.0

-0.5

0.0

0.5

log_PO4



COG0592

FDR: 7.548e-04

Coefficient: -9.21e-02

N: 139

8e-04

7e-04

6e-04

-2.0

-1.5

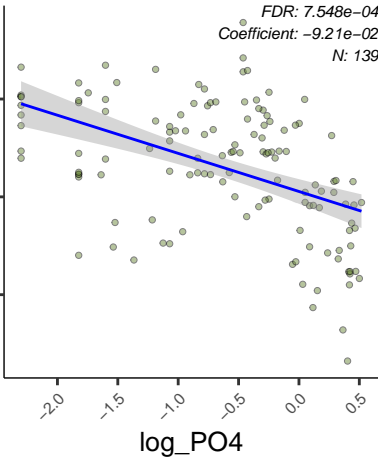
-1.0

-0.5

0.0

0.5

log_PO4



COG3409

FDR: 1.058e-03

Coefficient: -6.94e-01

N: 139

0.00020

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

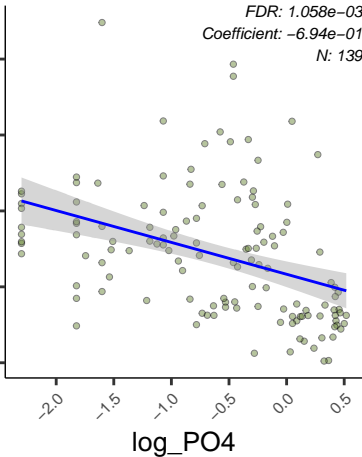
-1.0

-0.5

0.0

0.5

log_PO4



COG1283

FDR: 1.171e-03
Coefficient: 4.71e-01
N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

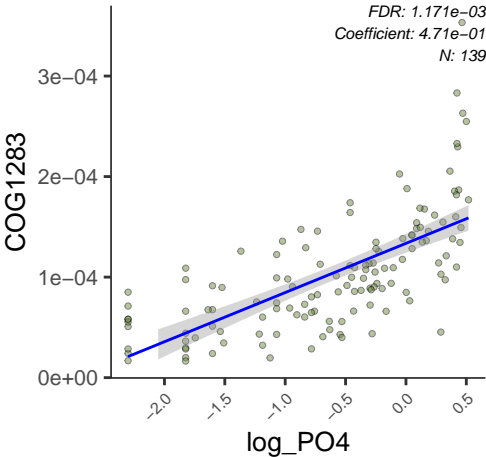
-1.0

-0.5

0.0

0.5

log_PO4



COG3182

FDR: 1.206e-03
Coefficient: 7.54e-01
N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

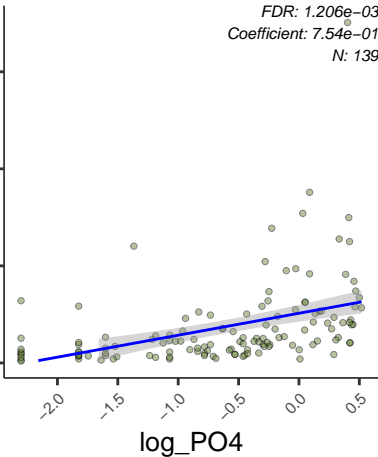
-1.0

-0.5

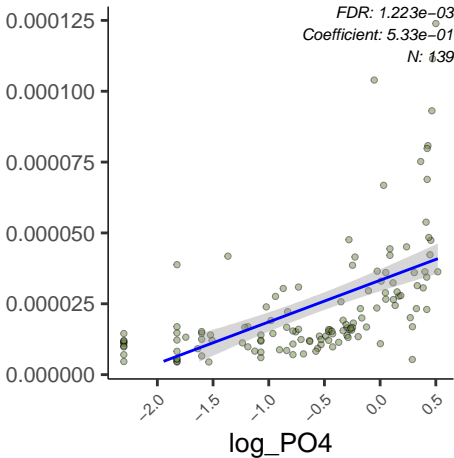
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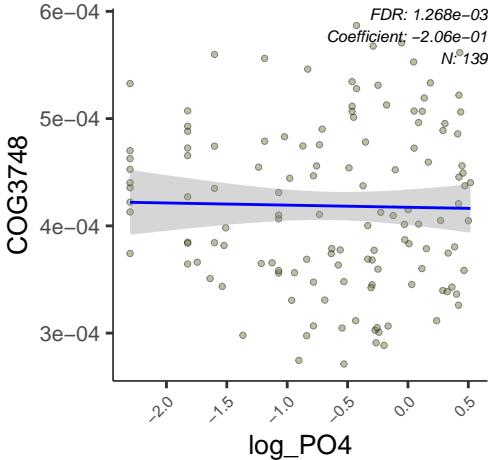
0.5

log_PO4



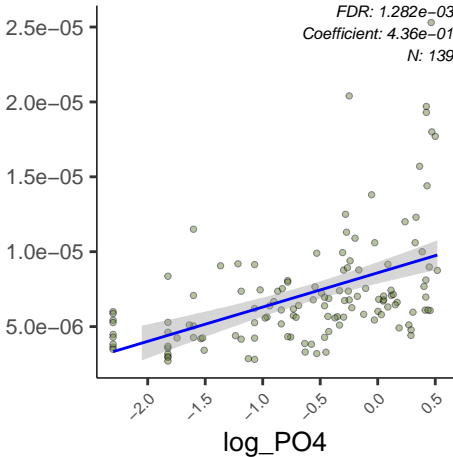
COG1887





COG3586

FDR: 1.282e-03
Coefficient: 4.36e-01
N: 139



COG0576

FDR: 1.384e-03

Coefficient: -9.36e-02

N: 139

6e-04

5e-04

4e-04

-2.0

-1.5

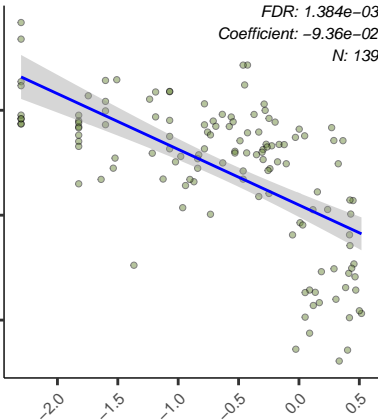
-1.0

-0.5

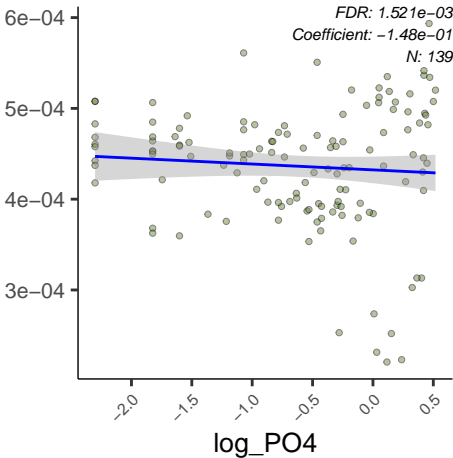
0.0

0.5

log_PO4



COG0377



COG4275

FDR: 1.608e-03

Coefficient: 1.22e+00

N: 139

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1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

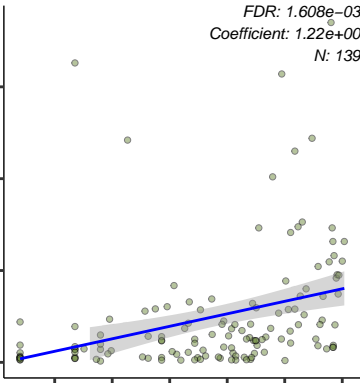
-1.0

-0.5

0.0

0.5

log_PO4



COG0723

FDR: 1.675e-03

Coefficient: -1.07e-01

N: 139

7e-04

6e-04

5e-04

4e-04

-2.0

-1.5

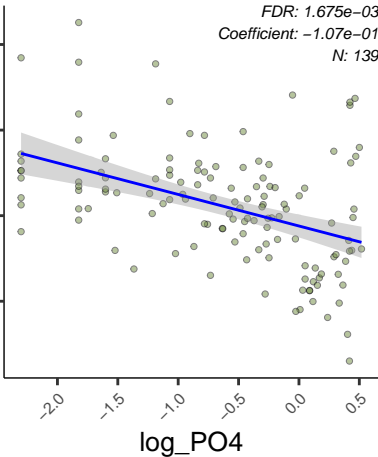
-1.0

-0.5

0.0

0.5

log_PO4

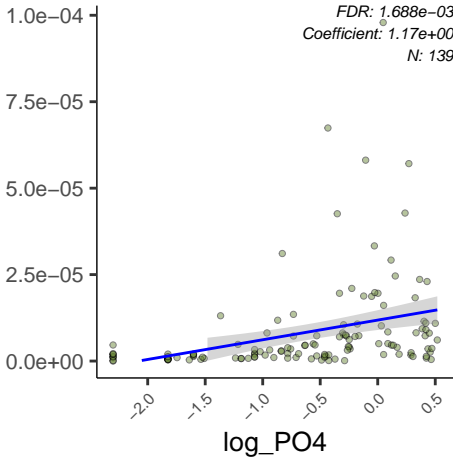


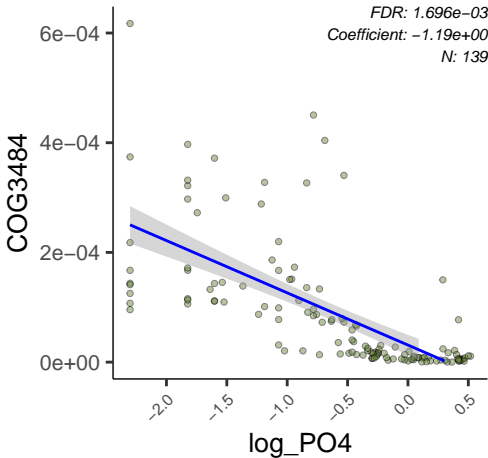
COG3489

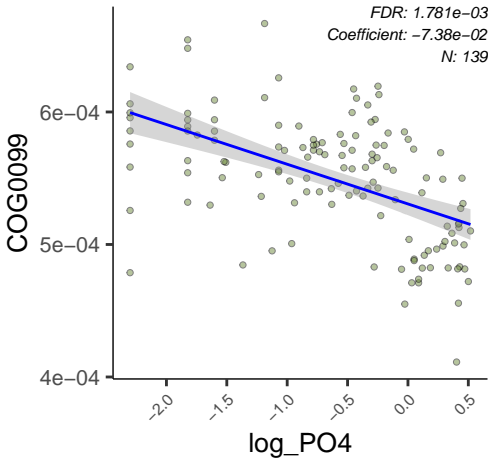
FDR: 1.688e-03

Coefficient: 1.17e+00

N: 139





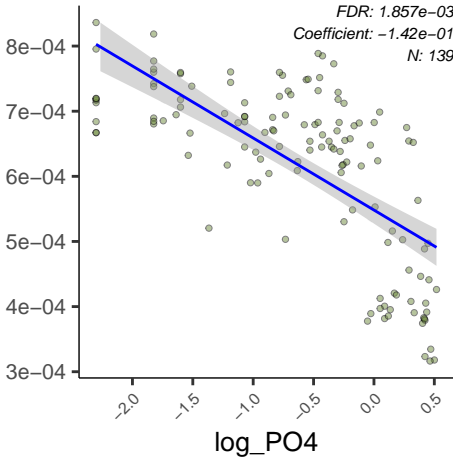


COG0413

FDR: 1.857e-03

Coefficient: -1.42e-01

N: 139



COG0489

FDR: 1.877e-03

Coefficient: $-7.83e-02$

N: 139

8e-04

7e-04

6e-04

-2.0

-1.5

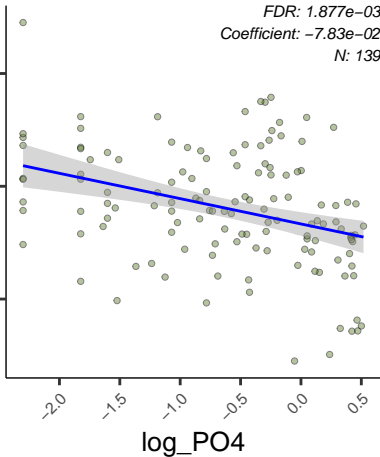
-1.0

-0.5

0.0

0.5

log_PO4



COG0350

5e-04

4e-04

3e-04

-2.0

-1.5

-1.0

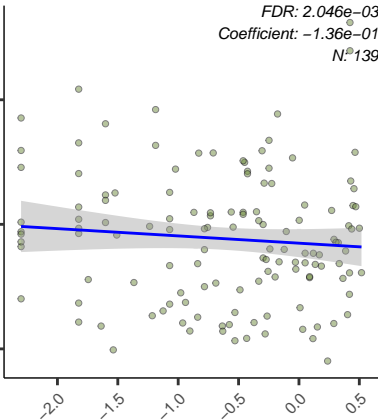
-0.5

0.0

0.5

log_PO4

FDR: 2.046e-03
Coefficient: -1.36e-01
N: 139



COG5427

FDR: 2.201e-03

Coefficient: -2.04e+00

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

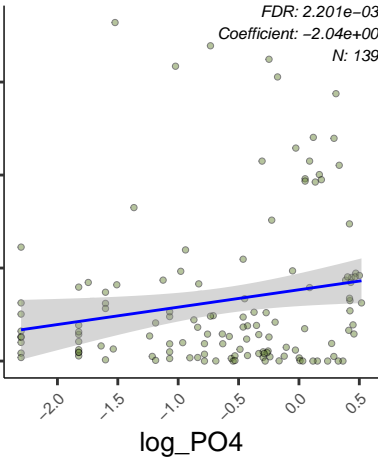
-1.0

-0.5

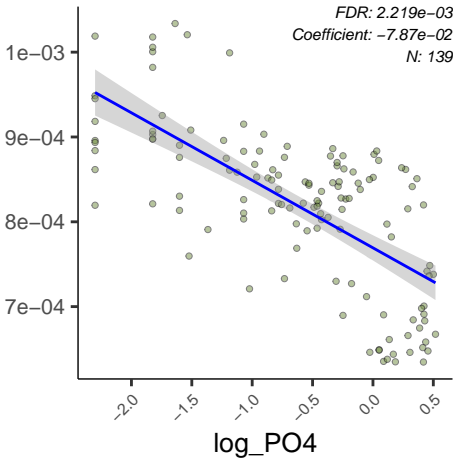
0.0

0.5

log_PO4



COG0057



COG2815

FDR: 2.251e-03

Coefficient: -7.71e-01

N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

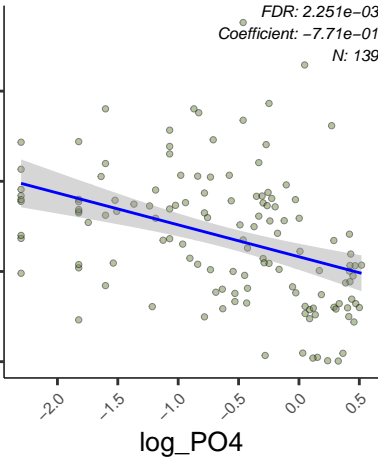
-1.0

-0.5

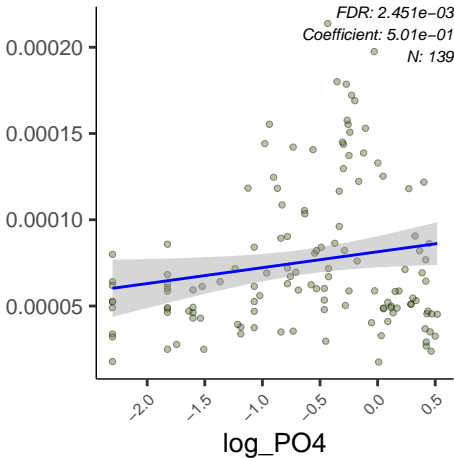
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0.5

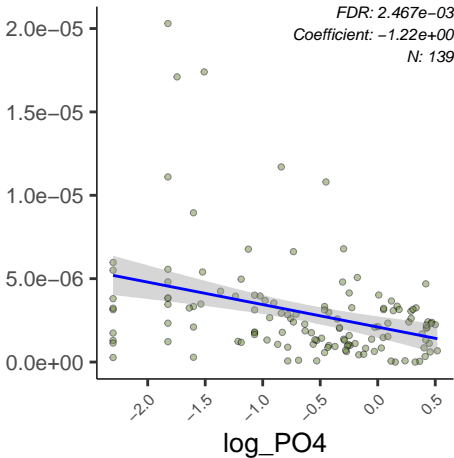
log_PO4



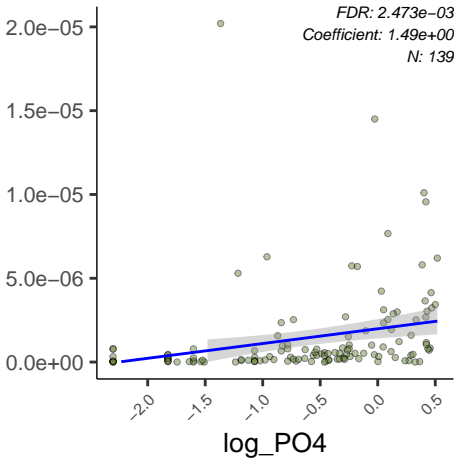
COG0748

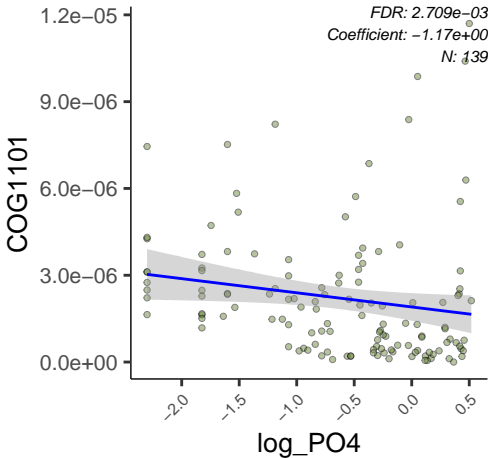


COG4689



COG4271





COG0438

FDR: 2.882e-03

Coefficient: -8.08e-02

N: 139

0.0032

0.0028

0.0024

-2.0

-1.5

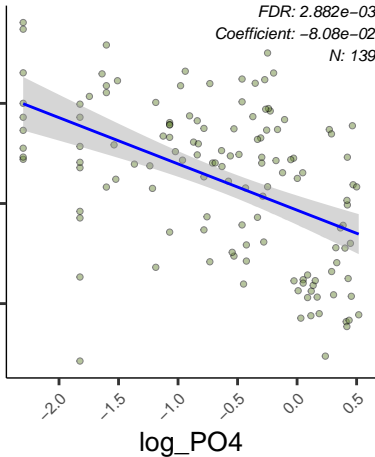
-1.0

-0.5

0.0

0.5

log_PO4



COG1623

FDR: 3.025e-03

Coefficient: -1.44e+00

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

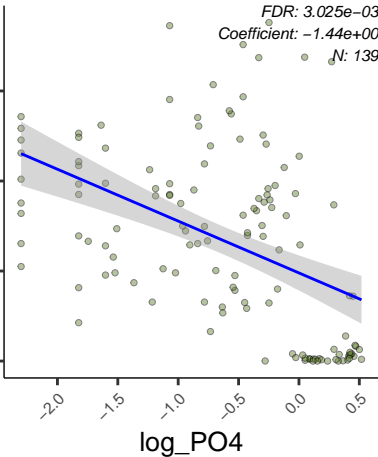
-1.0

-0.5

0.0

0.5

log_PO4



COG1672

FDR: 3.119e-03

Coefficient: 1.19e+00

N: 139

2e-05

1e-05

0e+00

-2.0

-1.5

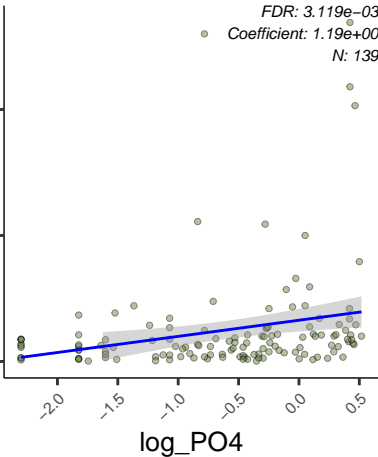
-1.0

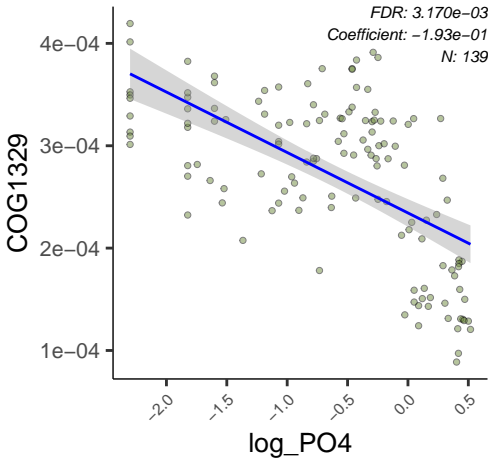
-0.5

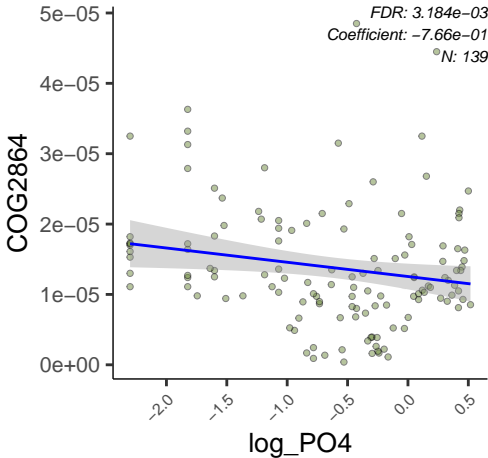
0.0

0.5

log_PO4







COG1167

FDR: 3.202e-03
Coefficient: 2.44e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

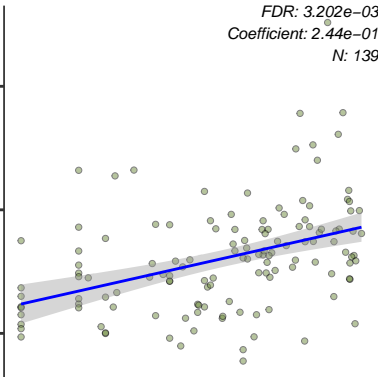
-1.0

-0.5

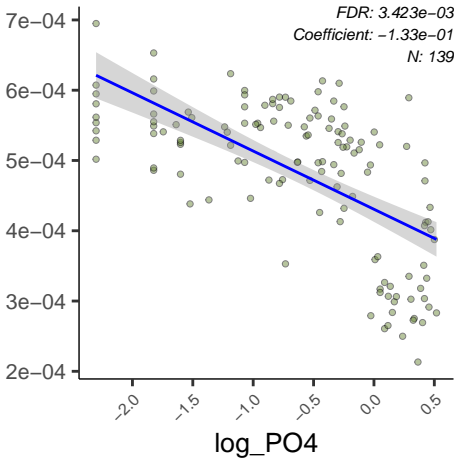
0.0

0.5

log_PO4



COG1403



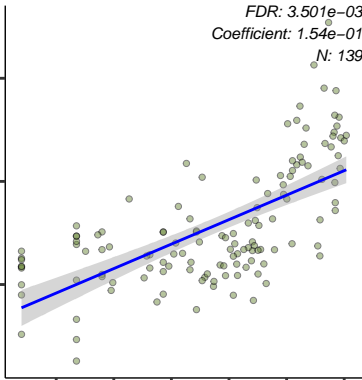
COG0308

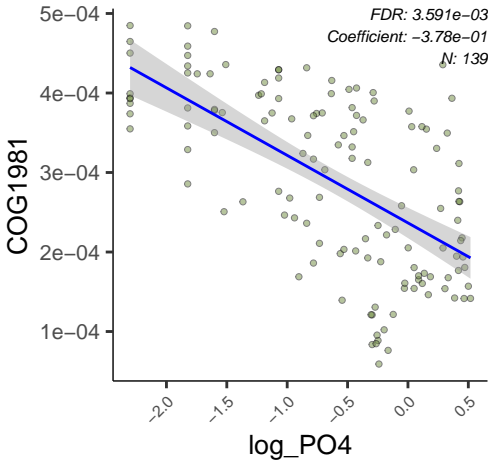
0.00100
0.00075
0.00050

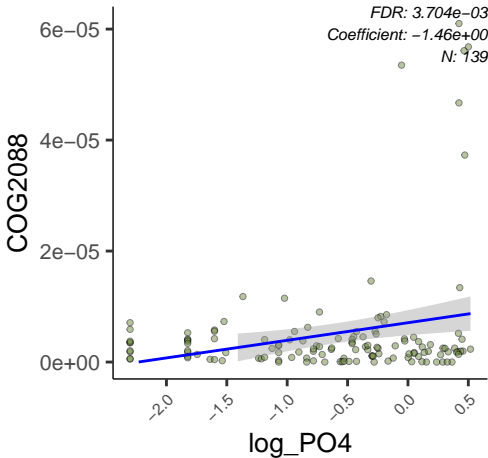
-2.0 -1.5 -1.0 -0.5 0.0 0.5

log_PO4

FDR: 3.501e-03
Coefficient: 1.54e-01
N: 139







COG2900

FDR: 3.736e-03
Coefficient: 1.39e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

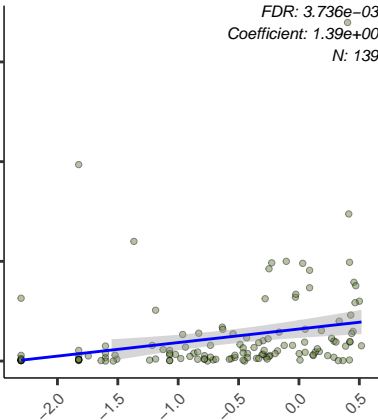
-1.0

-0.5

0.0

0.5

log_PO4



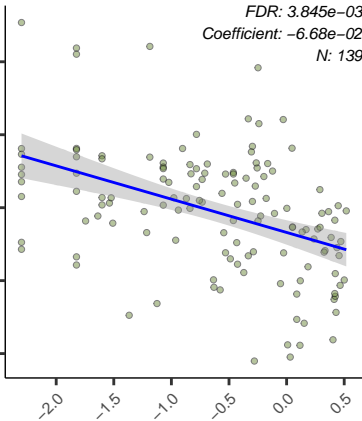
COG0024

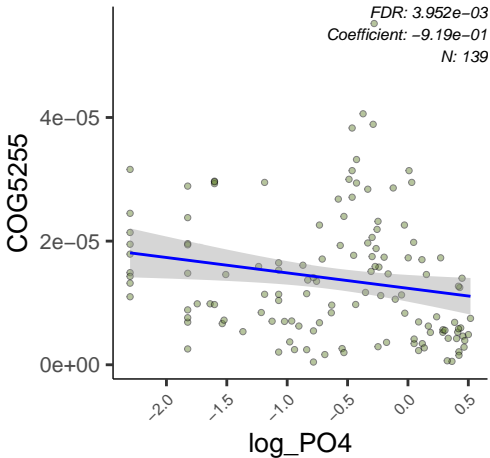
0.00070
0.00065
0.00060
0.00055
0.00050

-2.0
-1.5
-1.0
-0.5
0.0
0.5

log_PO4

FDR: 3.845e-03
Coefficient: -6.68e-02
N: 139





COG4334

FDR: 3.976e-03

Coefficient: 1.31e+00

N: 139

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

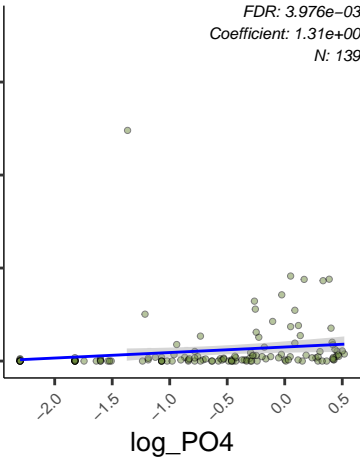
-1.0

-0.5

0.0

0.5

log_PO4



COG3112

FDR: 4.113e-03
Coefficient: 1.69e+00
N: 139

4e-05

2e-05

0e+00

-2.0

-1.5

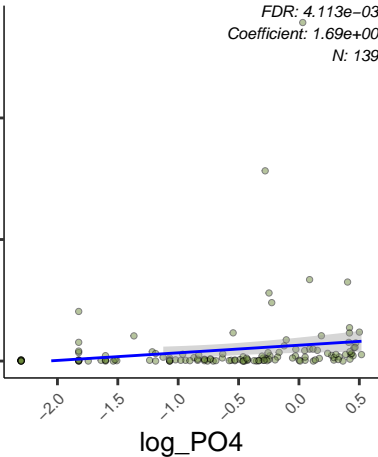
-1.0

-0.5

0.0

0.5

log_PO4



COG2336

FDR: 4.389e-03
Coefficient: 1.14e+00
N: 139

2e-05

1e-05

0e+00

-2.0

-1.5

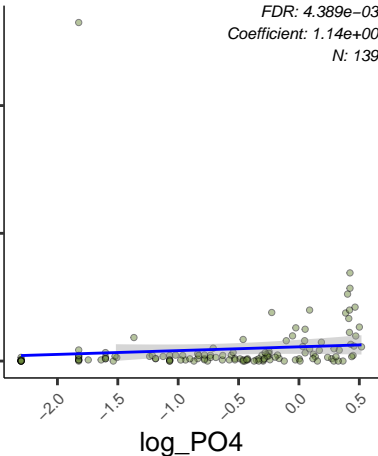
-1.0

-0.5

0.0

0.5

log_PO4



COG4138

FDR: 4.395e-03

Coefficient: 1.55e+00

N: 139

3e-05

2e-05

1e-05

0e+00

log_PO4

-2.0

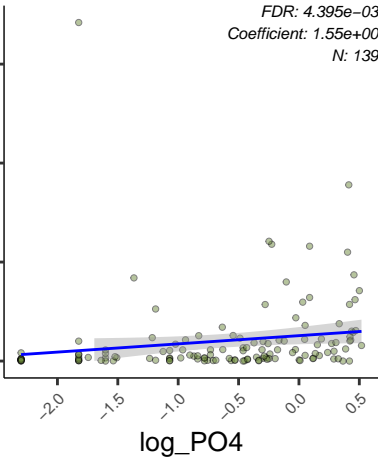
-1.5

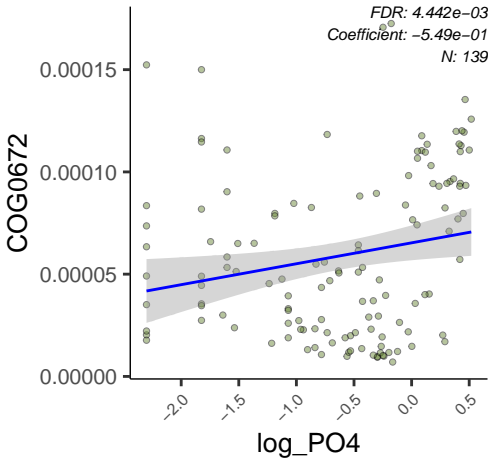
-1.0

-0.5

0.0

0.5





COG4034

FDR: 4.455e-03

Coefficient: -1.45e+00

N: 139

9e-06

6e-06

3e-06

0e+00

-2.0

-1.5

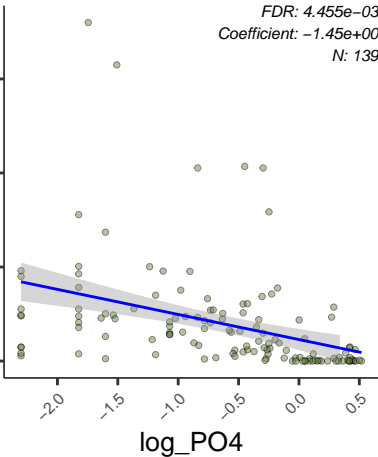
-1.0

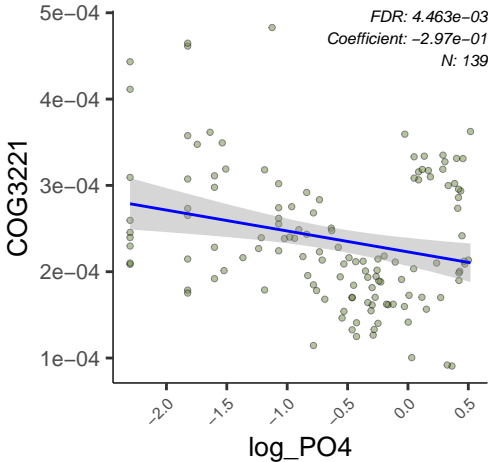
-0.5

0.0

0.5

log_PO4





COG1819

FDR: 4.620e-03

Coefficient: -5.98e-01

N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

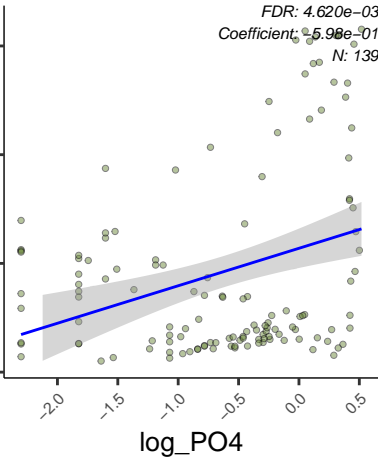
-1.0

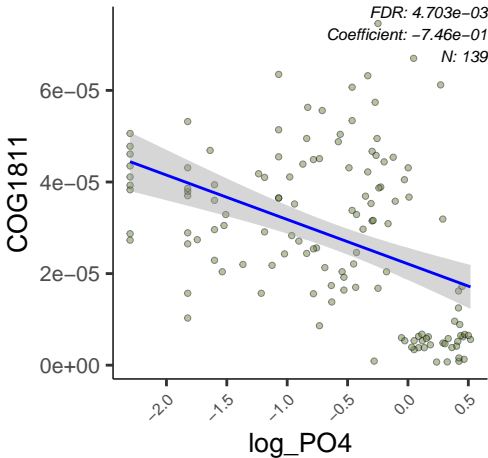
-0.5

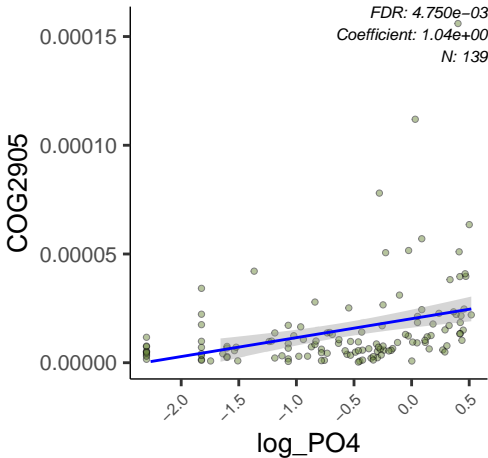
0.0

0.5

log_PO4







COG4230

FDR: 4.786e-03
Coefficient: 3.33e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

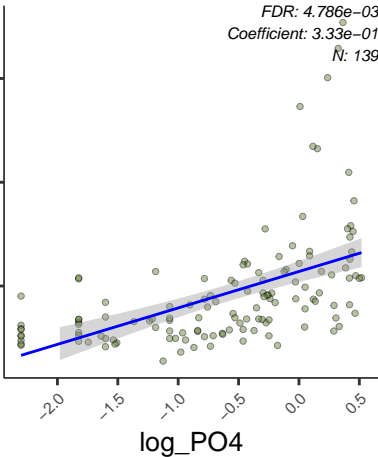
-1.0

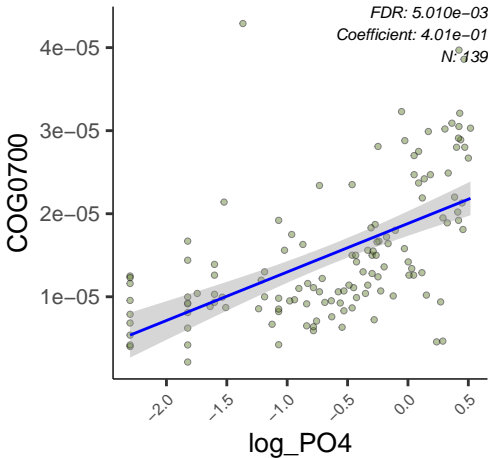
-0.5

0.0

0.5

log_PO4





COG0537

9e-04

8e-04

7e-04

6e-04

-2.0

-1.5

-1.0

-0.5

0.0

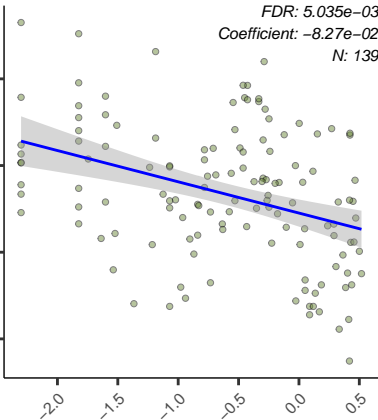
0.5

log_PO4

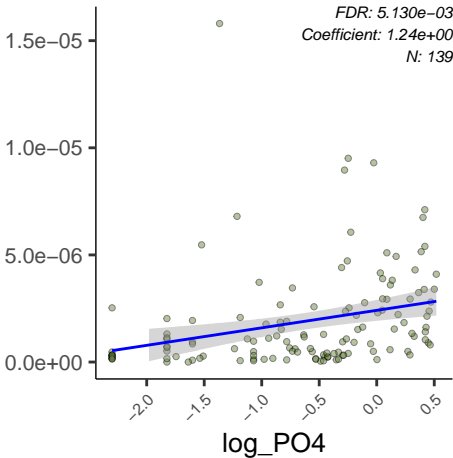
FDR: 5.035e-03

Coefficient: -8.27e-02

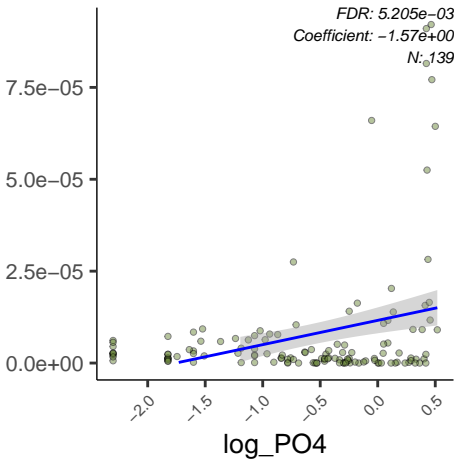
N: 139



COG4922



COG1856



COG2852

FDR: 5.348e-03
Coefficient: 1.27e+00
N: 139

1e-04

5e-05

0e+00

-2.0

-1.5

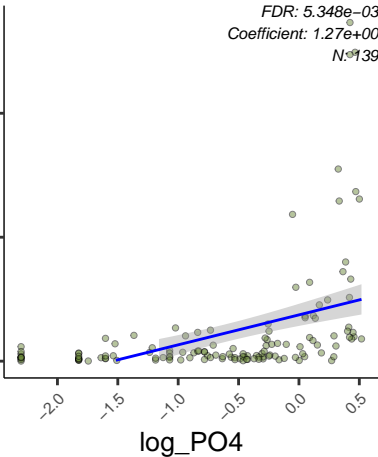
-1.0

-0.5

0.0

0.5

log_PO4



COG3655

FDR: 5.422e-03
Coefficient: 6.06e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

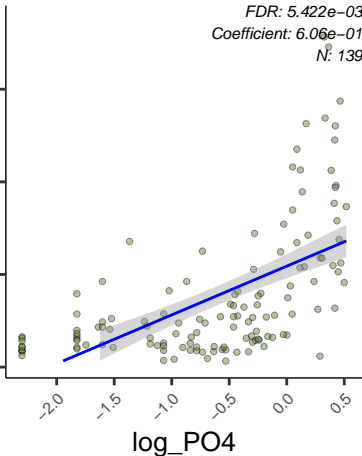
-1.0

-0.5

0.0

0.5

log_PO4



COG3440

FDR: 5.519e-03

Coefficient: 2.88e-01

N: 139

6e-05

4e-05

2e-05

-2.0

-1.5

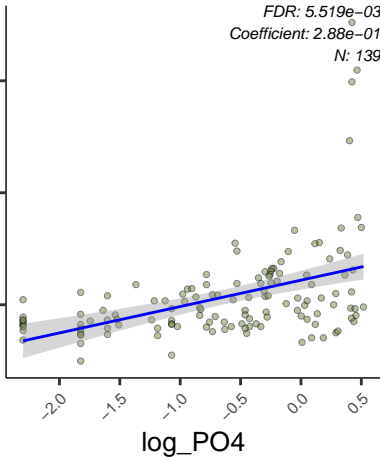
-1.0

-0.5

0.0

0.5

log_PO4



COG1507

$6e-05$

$4e-05$

$2e-05$

-2.0

-1.5

-1.0

-0.5

0.0

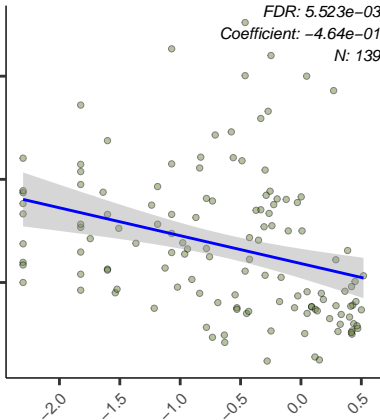
0.5

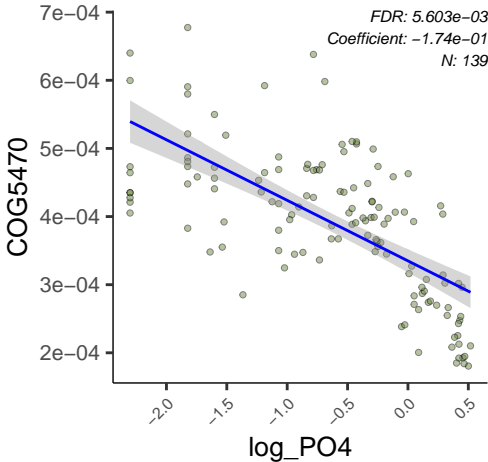
log_PO4

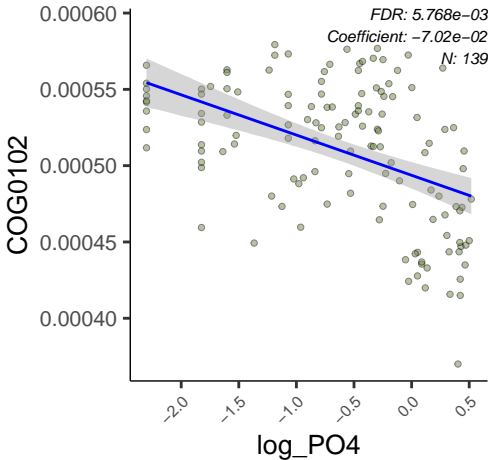
FDR: 5.523e-03

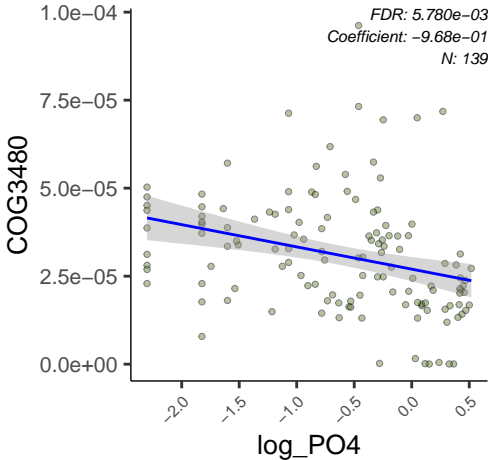
Coefficient: -4.64e-01

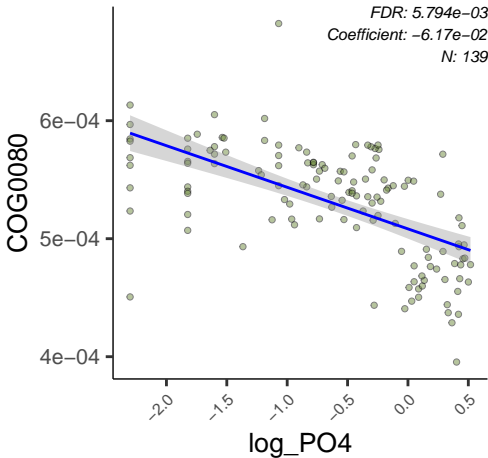
N: 139









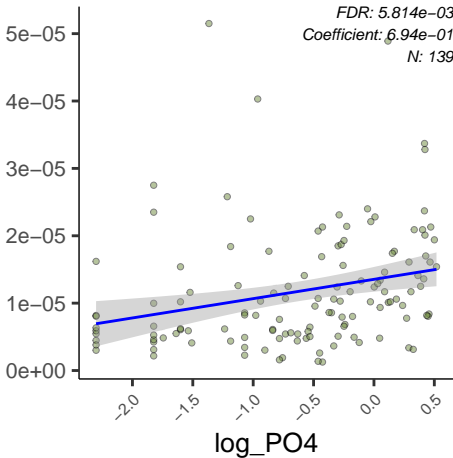


COG5525

FDR: 5.814e-03

Coefficient: 6.94e-01

N: 139



COG4220

FDR: 5.826e-03
Coefficient: 1.51e+00
N: 139

2e-05

1e-05

0e+00

-2.0

-1.5

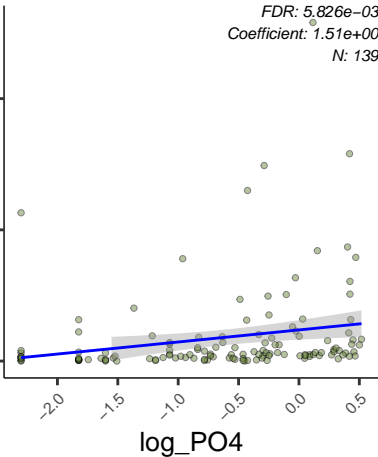
-1.0

-0.5

0.0

0.5

log_PO4



COG1074

FDR: 5.967e-03

Coefficient: 1.87e-01

N: 139

4e-04

3e-04

2e-04

-2.0

-1.5

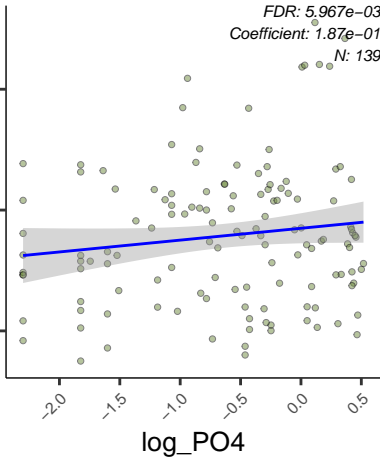
-1.0

-0.5

0.0

0.5

log_PO4



COG5026

FDR: 5.971e-03

Coefficient: -1.50e+00

N: 139

2.0e-06

1.5e-06

1.0e-06

5.0e-07

0.0e+00

-2.0

-1.5

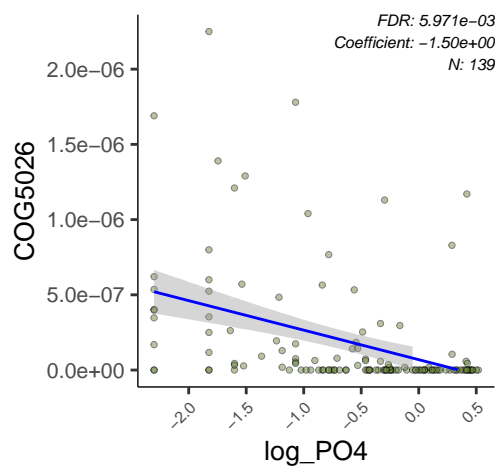
-1.0

-0.5

0.0

0.5

log_PO4



COG1713

FDR: 6.164e-03

Coefficient: -1.41e+00

N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

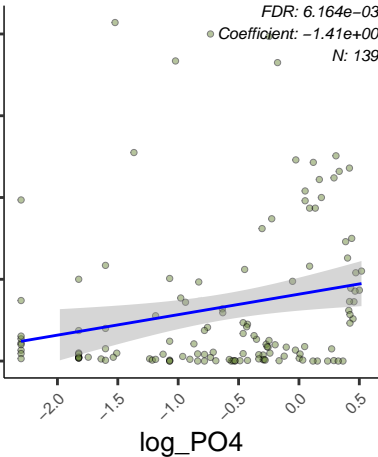
-1.0

-0.5

0.0

0.5

log_PO4



COG3287

FDR: 6.172e-03

Coefficient: 9.11e-01

N: 139

6e-05

4e-05

2e-05

0e+00

log_PO4

-2.0

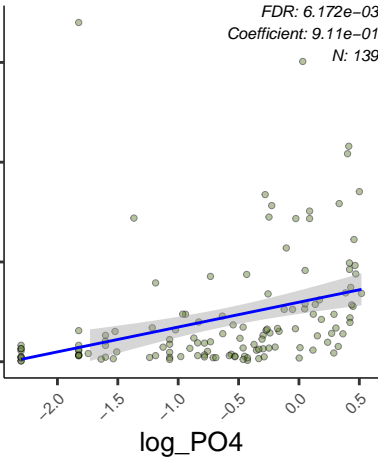
-1.5

-1.0

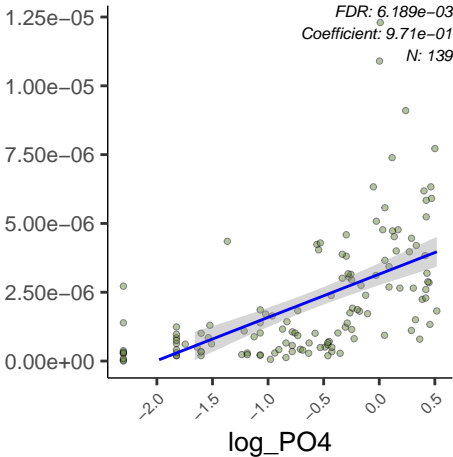
-0.5

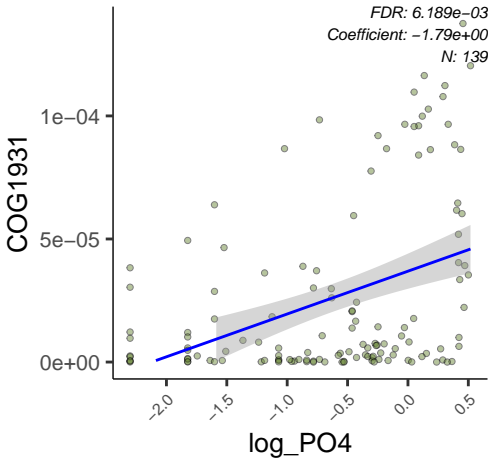
0.0

0.5



COG1124





COG3033

FDR: 6.265e-03

Coefficient: -7.68e-01

N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

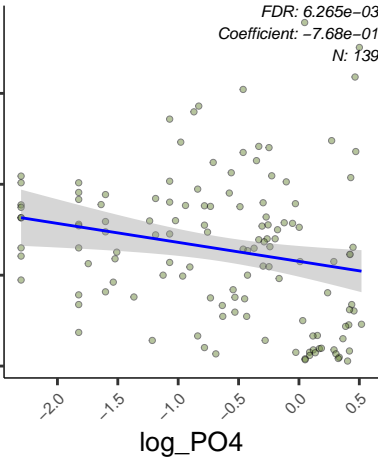
-1.0

-0.5

0.0

0.5

log_PO4



COG0310

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

-2.0

-1.5

-1.0

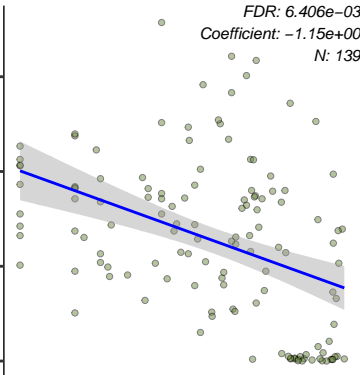
-0.5

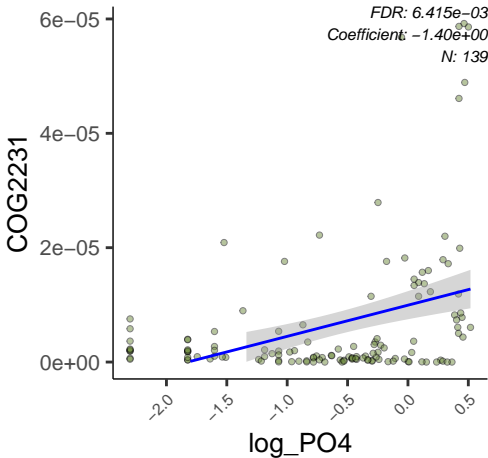
0.0

0.5

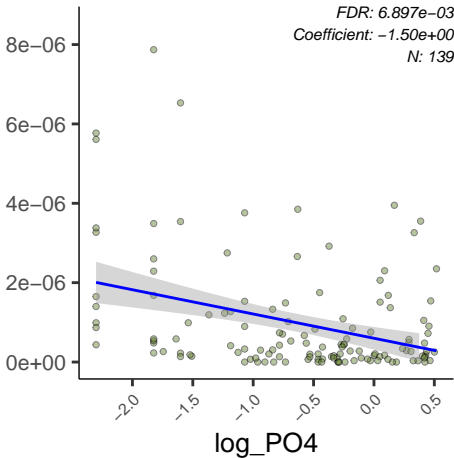
log_PO4

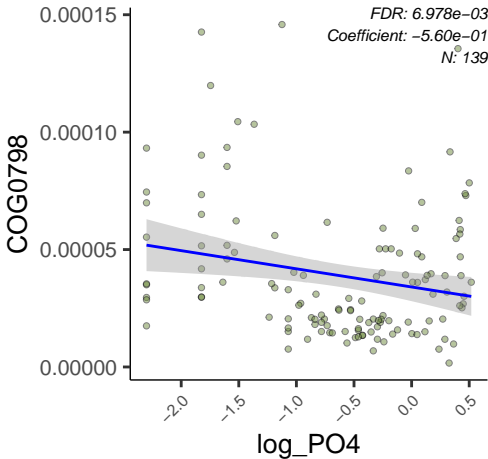
FDR: 6.406e-03
Coefficient: -1.15e+00
N: 139

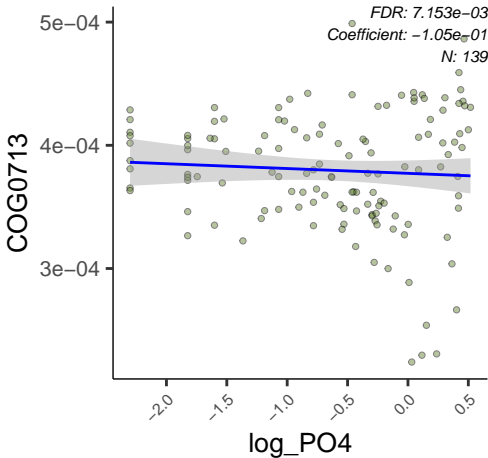




COG4291







COG2183

FDR: $7.254e-03$
Coefficient: $6.77e-01$
N: 139

$1e-04$

$5e-05$

$0e+00$

-2.0

-1.5

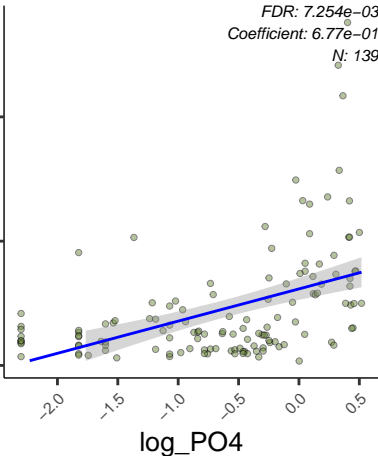
-1.0

-0.5

0.0

0.5

log_PO4



COG4359

FDR: 7.426e-03

Coefficient: -1.53e+00

N: 139

2.0e-05

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

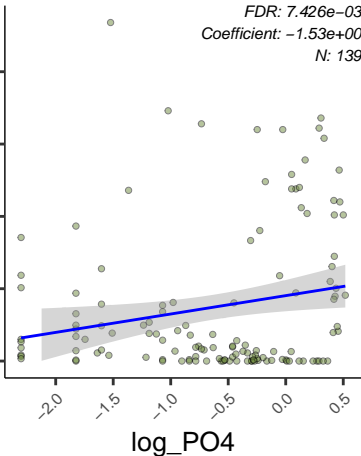
-1.0

-0.5

0.0

0.5

log_PO4

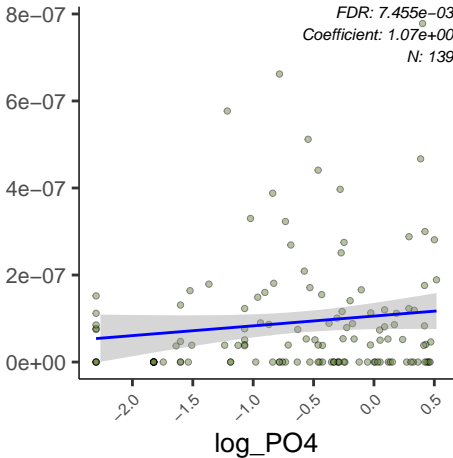


COG4449

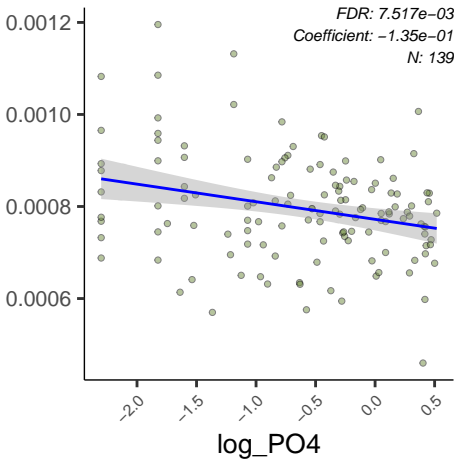
FDR: 7.455e-03

Coefficient: 1.07e+00

N: 139



COG3808



COG3634

FDR: 7.757e-03
Coefficient: 5.08e-01
N: 139

1e-04

5e-05

0e+00

-2.0

-1.5

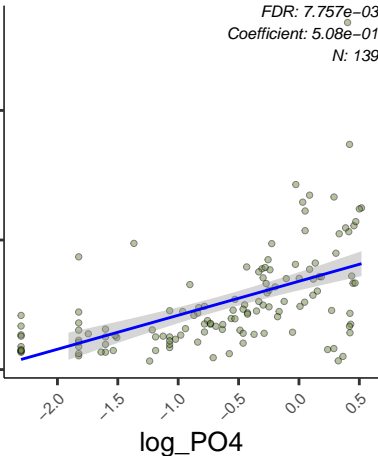
-1.0

-0.5

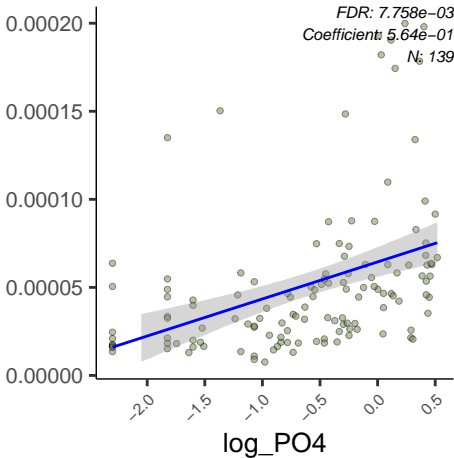
0.0

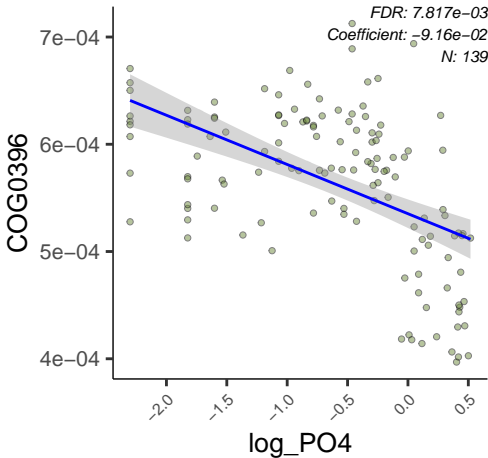
0.5

log_PO4

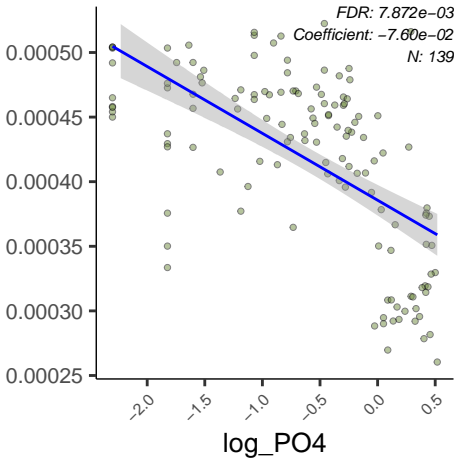


COG1349





COG1546



COG0436

0.0022

0.0020

0.0018

0.0016

FDR: 7.959e-03

Coefficient: -7.00e-02

N: 139

-2.0

-1.5

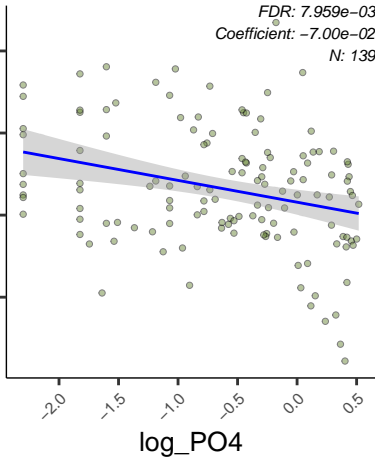
-1.0

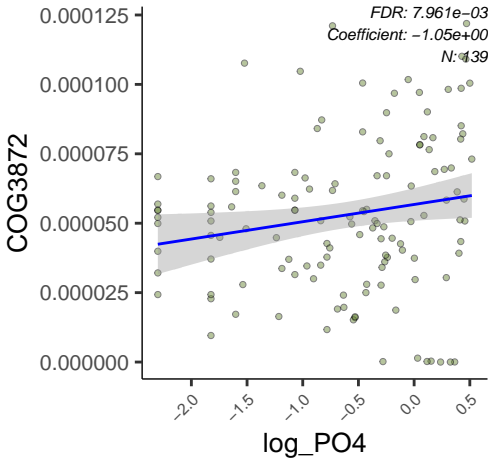
-0.5

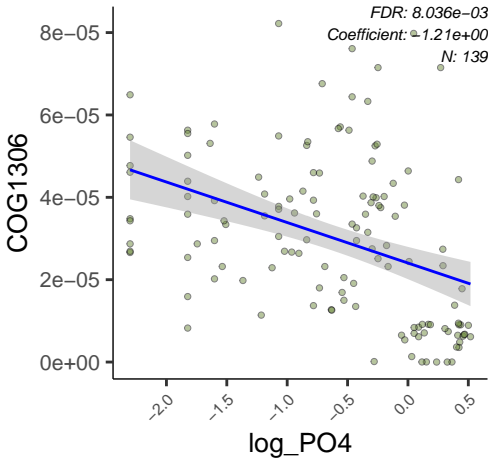
0.0

0.5

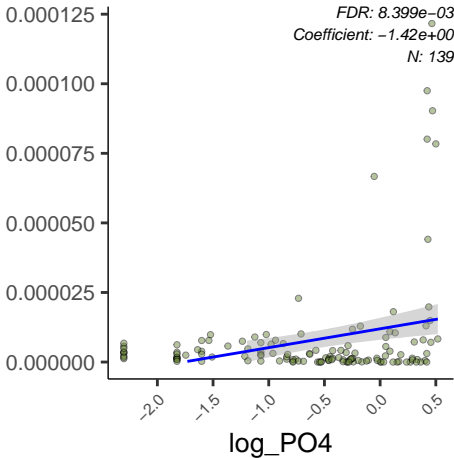
log_PO4



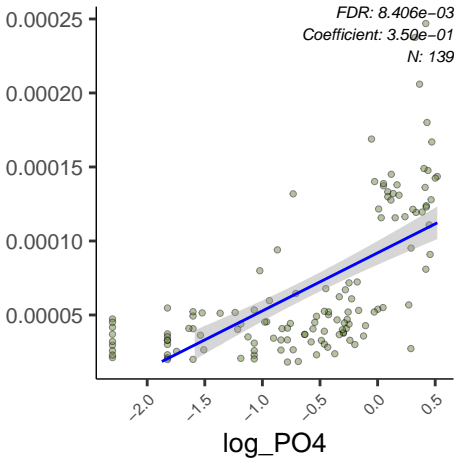




COG2044



COG1368



COG1847

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

-1.0

-0.5

0.0

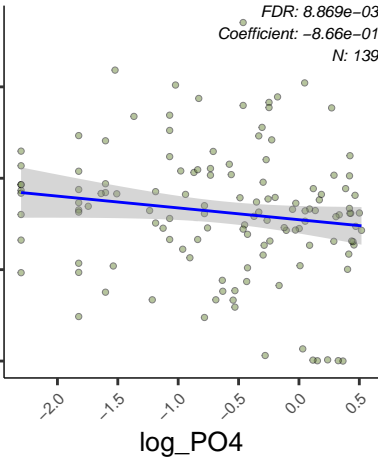
0.5

log_PO4

FDR: 8.869e-03

Coefficient: -8.66e-01

N: 139



COG1150

FDR: 8.906e-03
Coefficient: -1.58e+00
N: 139

0.00015
0.00010
0.00005
0.00000

-2.0

-1.5

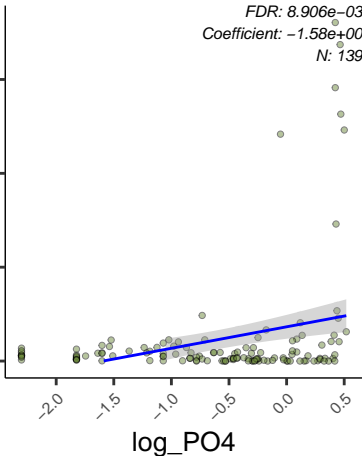
-1.0

-0.5

0.0

0.5

log_PO4



COG4564

FDR: 9.102e-03

Coefficient: 8.61e-01

N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

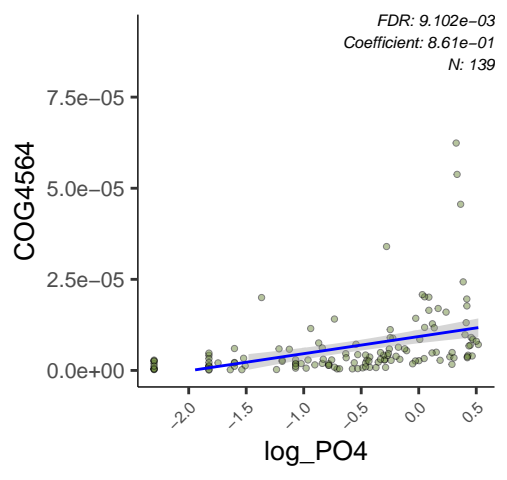
-1.0

-0.5

0.0

0.5

log_PO4



COG0745

0.0020

0.0016

0.0012

-2.0

-1.5

-1.0

-0.5

0.0

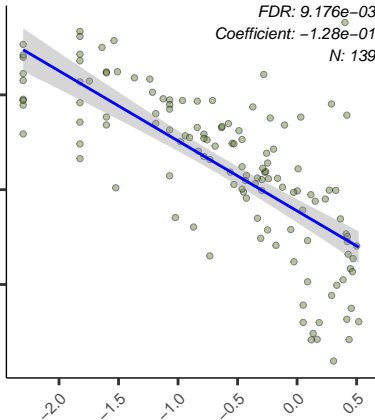
0.5

log_PO4

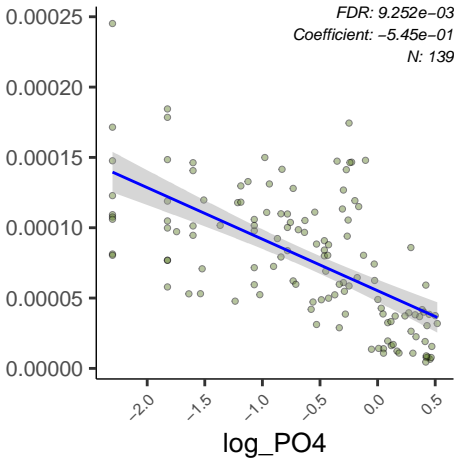
FDR: 9.176e-03

Coefficient: -1.28e-01

N: 139



COG4454



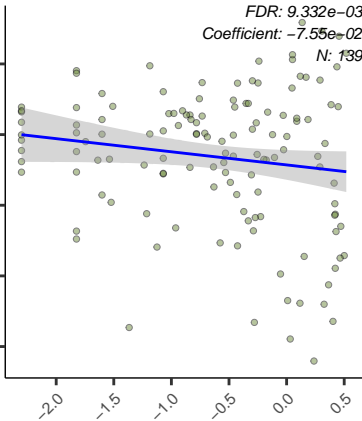
COG0343

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: 9.332e-03
Coefficient: -7.55e-02
N: 139



COG5016

2e-04

1e-04

-2.0

-1.5

-1.0

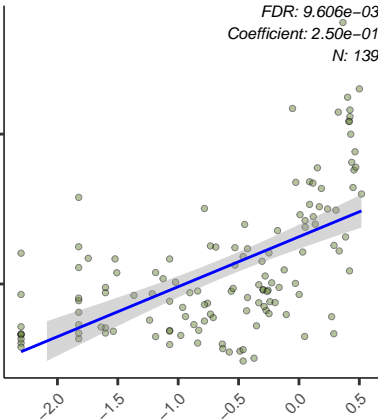
-0.5

0.0

0.5

log_PO4

FDR: 9.606e-03
Coefficient: 2.50e-01
N: 139



COG3176

FDR: 1.031e-02

Coefficient: -3.53e-01

N: 139

6e-04

4e-04

2e-04

0e+00

-2.0

-1.5

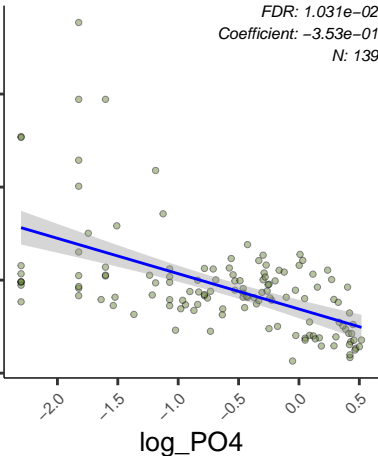
-1.0

-0.5

0.0

0.5

log_PO4



COG5491

FDR: 1.047e-02

Coefficient: -2.29e+00

N: 139

4e-04

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

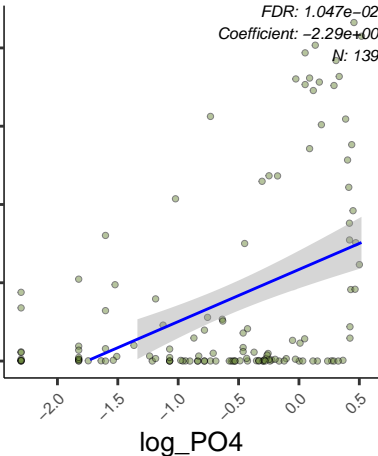
-1.0

-0.5

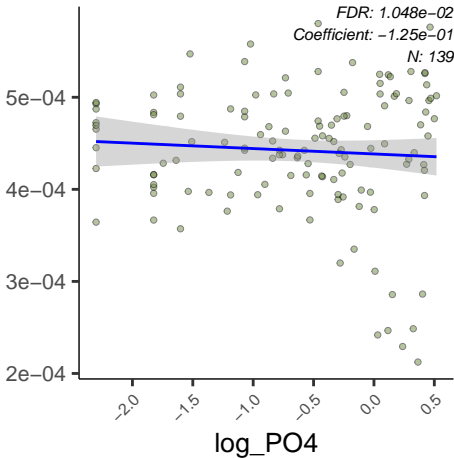
0.0

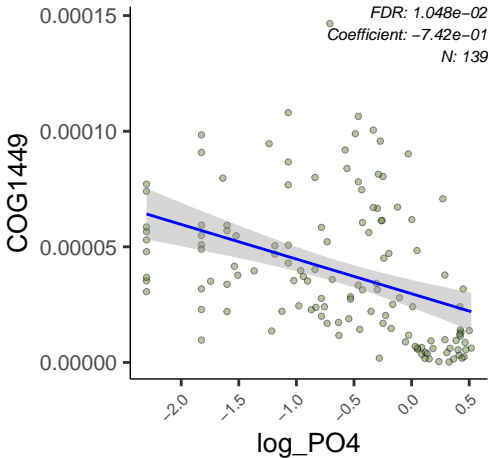
0.5

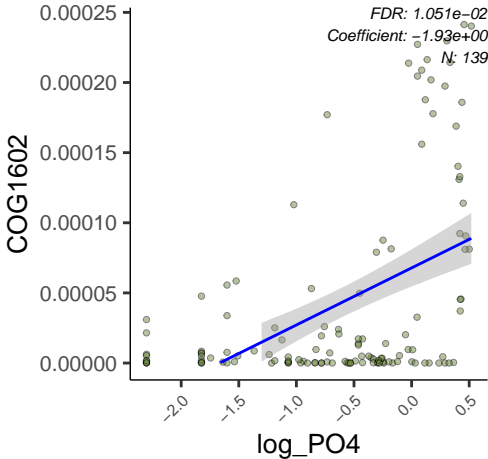
log_PO4

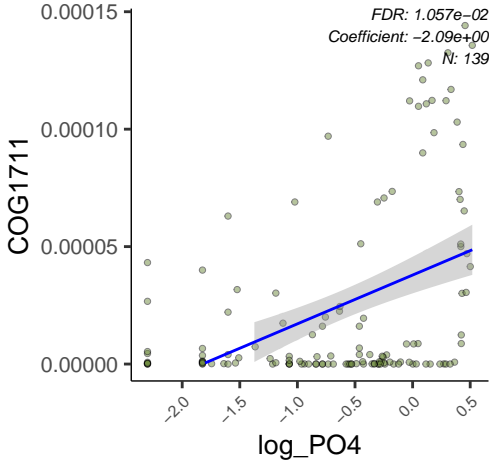


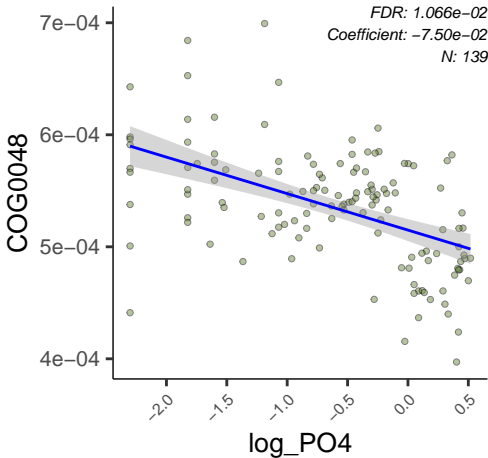
COG0852











COG3460

FDR: 1.071e-02
Coefficient: 3.00e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

-2.0

-1.5

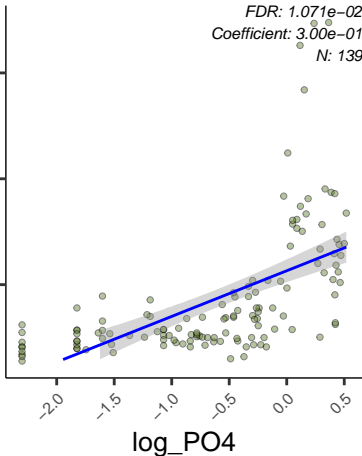
-1.0

-0.5

0.0

0.5

log_PO4



COG0073

1e-03

9e-04

8e-04

7e-04

-2.0

-1.5

-1.0

-0.5

0.0

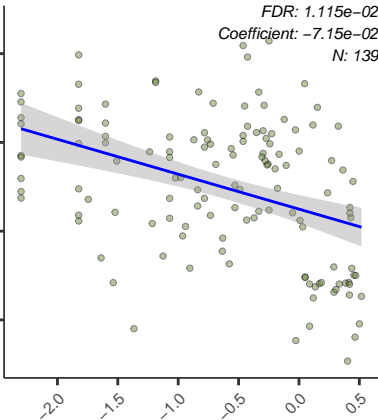
0.5

log_PO4

FDR: 1.115e-02

Coefficient: -7.15e-02

N: 139



COG0373

FDR: 1.126e-02
Coefficient: 1.93e-01
N: 139

4e-04

3e-04

2e-04

-2.0

-1.5

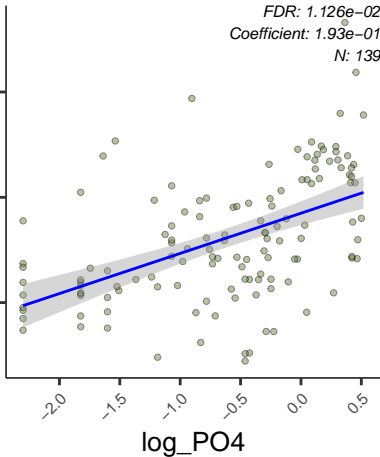
-1.0

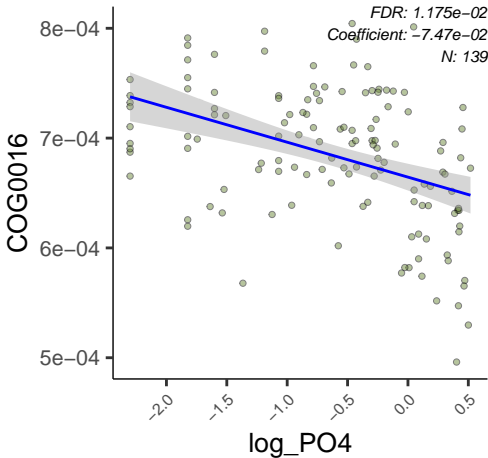
-0.5

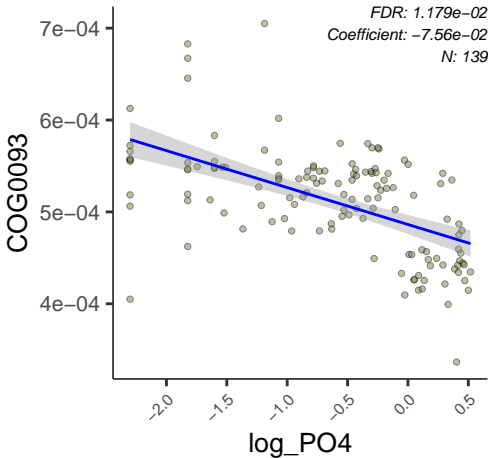
0.0

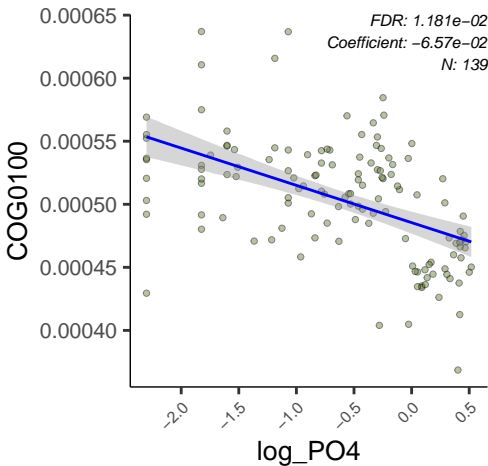
0.5

log_PO4









COG4715

FDR: 1.211e-02
Coefficient: 1.49e+00
N: 139

4e-06

3e-06

2e-06

1e-06

0e+00

-2.0

-1.5

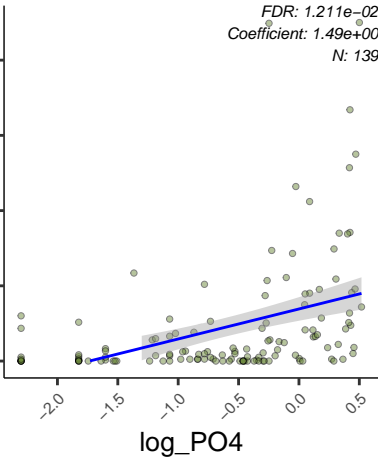
-1.0

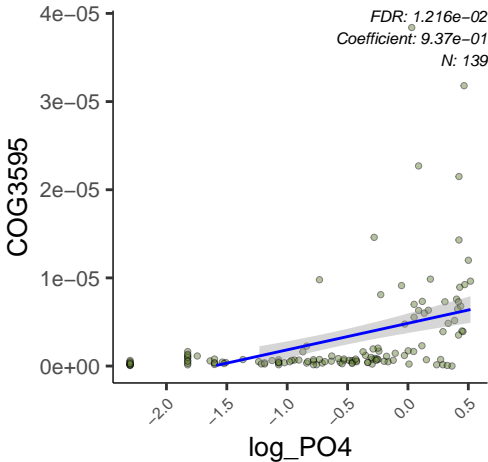
-0.5

0.0

0.5

log_PO4





COG4752

FDR: 1.223e-02
Coefficient: -1.19e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

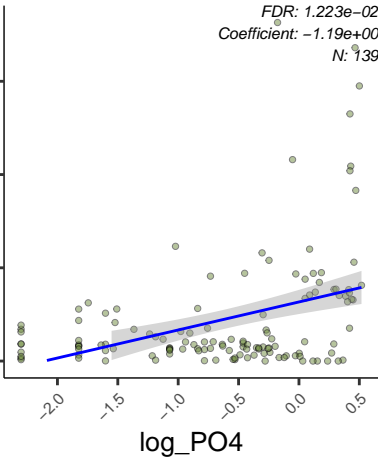
-1.0

-0.5

0.0

0.5

log_PO4



COG1758

FDR: 1.237e-02

Coefficient: -1.07e-01

N: 139

5e-04

4e-04

3e-04

-2.0

-1.5

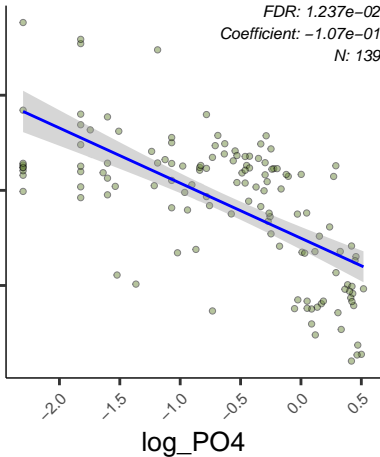
-1.0

-0.5

0.0

0.5

log_PO4



COG1716

$1e-04$

$5e-05$

$0e+00$

-2.0

-1.5

-1.0

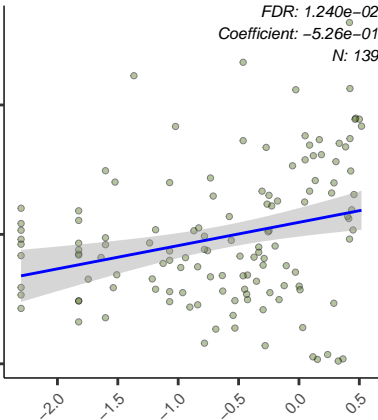
-0.5

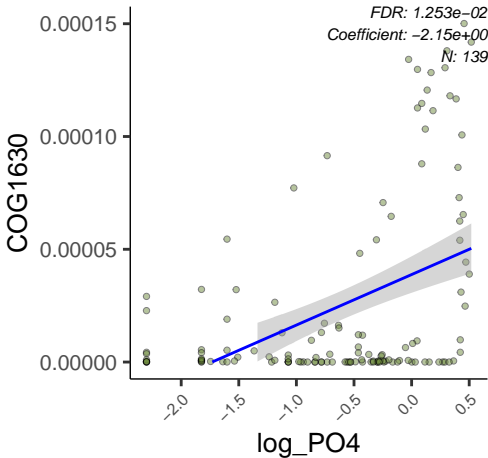
0.0

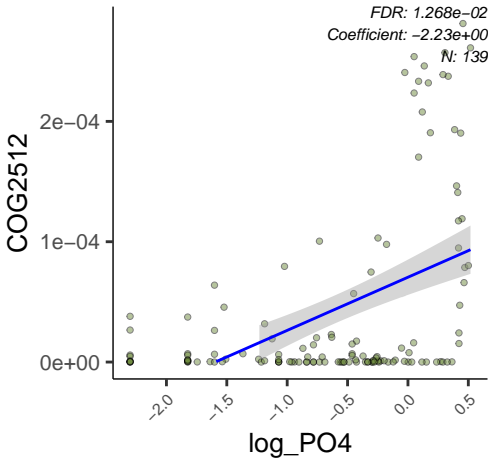
0.5

log_PO4

FDR: $1.240e-02$
Coefficient: $-5.26e-01$
N: 139







COG5293

FDR: 1.304e-02
Coefficient: 1.21e+00
N: 139

6e-06

4e-06

2e-06

0e+00

-2.0

-1.5

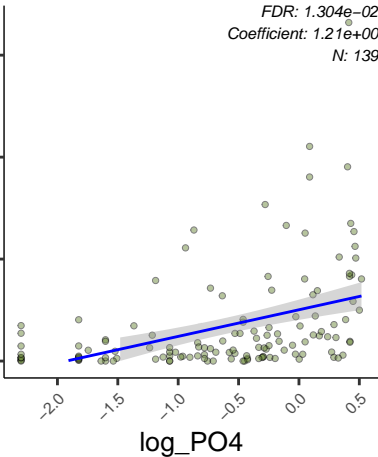
-1.0

-0.5

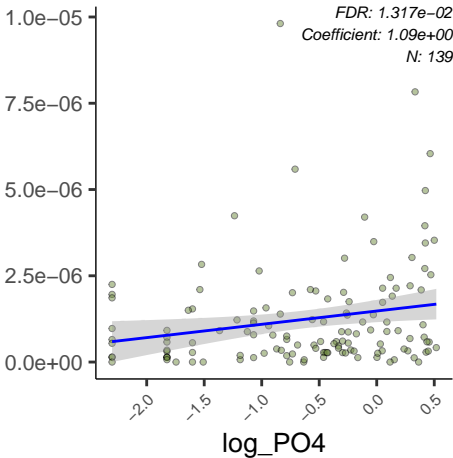
0.0

0.5

log_PO4



COG4634



COG3206

FDR: 1.319e-02
Coefficient: 2.19e-01
N: 139

0.00020

0.00015

0.00010

-2.0

-1.5

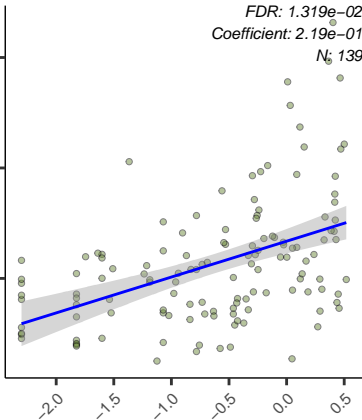
-1.0

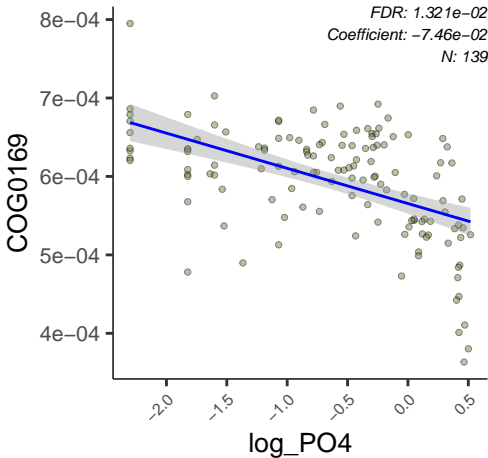
-0.5

0.0

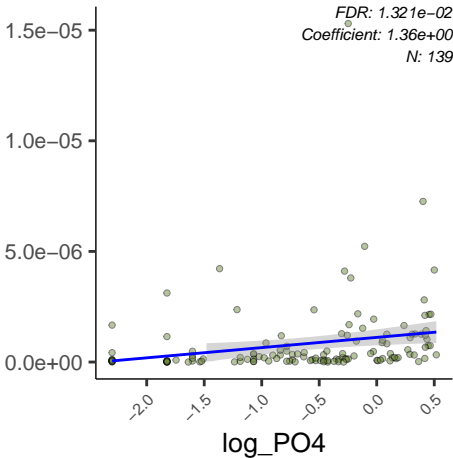
0.5

log_PO4





COG3447



COG4263

FDR: 1.325e-02
Coefficient: 1.08e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

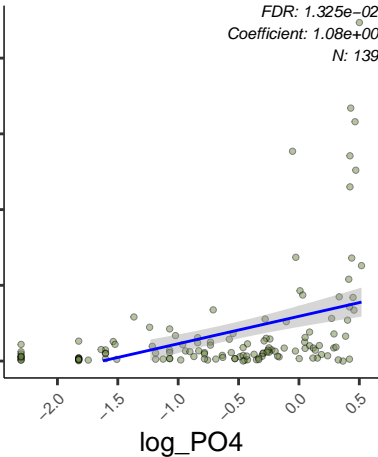
-1.0

-0.5

0.0

0.5

log_PO4



COG1444

FDR: 1.330e-02
Coefficient: 1.02e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

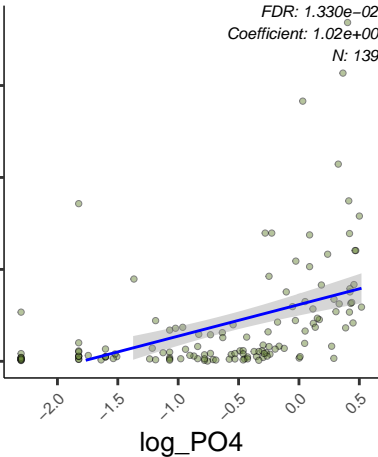
-1.0

-0.5

0.0

0.5

log_PO4



COG3708

FDR: 1.332e-02
Coefficient: 9.15e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

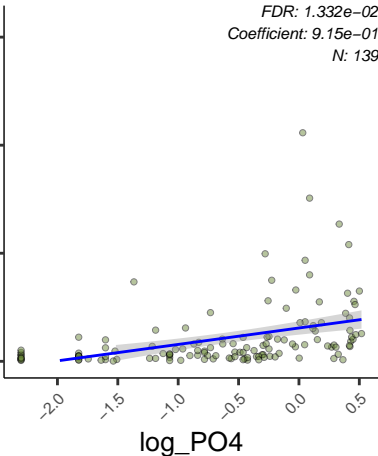
-1.0

-0.5

0.0

0.5

log_PO4



COG4745

FDR: 1.338e-02

Coefficient: -1.52e+00

N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

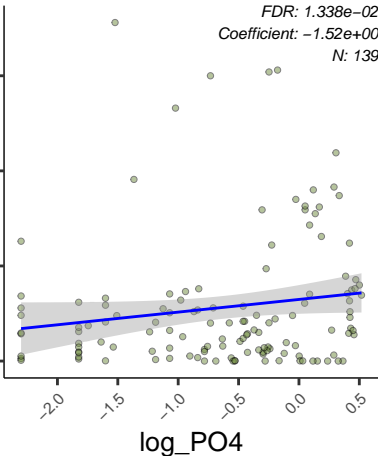
-1.0

-0.5

0.0

0.5

log_PO4



COG3223

FDR: 1.344e-02
Coefficient: -5.73e-01
N: 139

2e-05

1e-05

0e+00

-2.0

-1.5

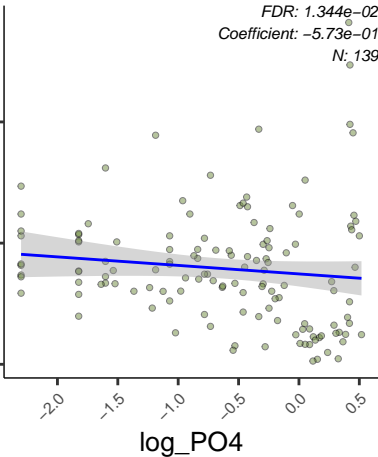
-1.0

-0.5

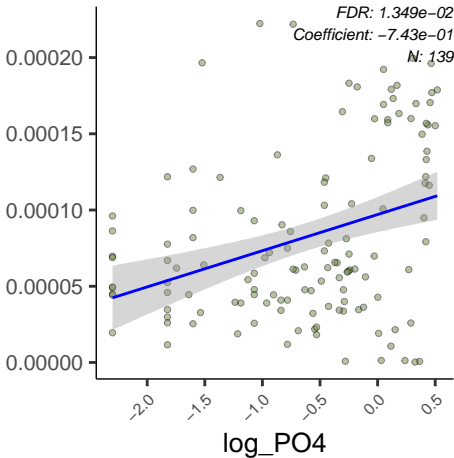
0.0

0.5

log_PO4



COG0311



COG2406

FDR: 1.352e-02
Coefficient: -1.98e+00
N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

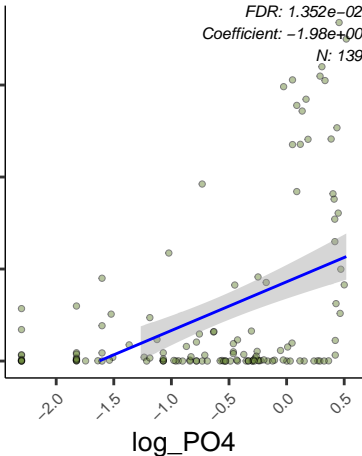
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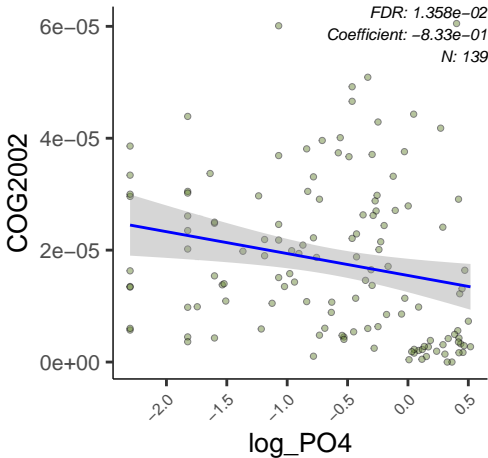
-0.5

0.0

0.5

log_PO4





COG4889

FDR: 1.359e-02
Coefficient: 3.30e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

-2.0

-1.5

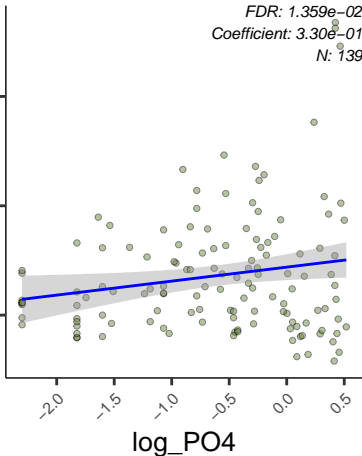
-1.0

-0.5

0.0

0.5

log_PO4



COG3424

1e-04

5e-05

0e+00

FDR: 1.365e-02

Coefficient: 4.98e-01

N: 139

-2.0

-1.5

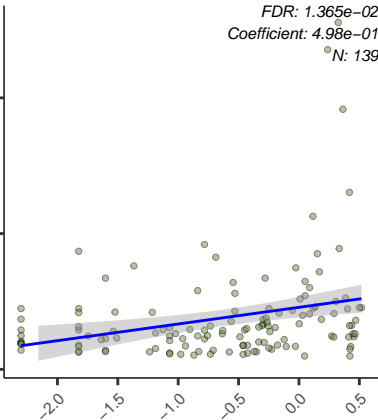
-1.0

-0.5

0.0

0.5

log_PO4



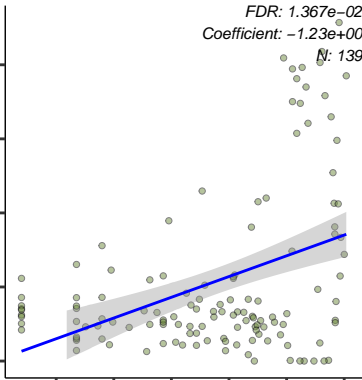
COG2178

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: 1.367e-02
Coefficient: -1.23e+00
N: 139



COG3731

FDR: 1.372e-02
Coefficient: -1.39e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

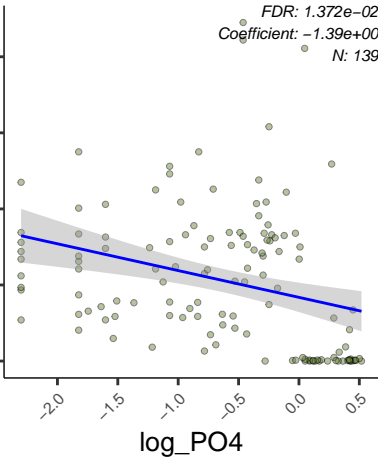
-1.0

-0.5

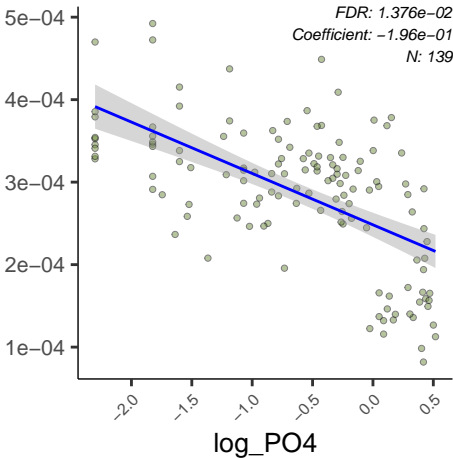
0.0

0.5

log_PO4



COG3474



COG3187

FDR: 1.382e-02
Coefficient: 8.72e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

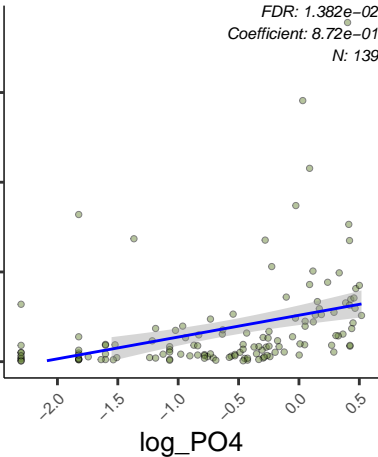
-1.0

-0.5

0.0

0.5

log_PO4



COG0524

FDR: 1.405e-02

Coefficient: -4.82e-02

N: 139

0.0014

0.0013

0.0012

0.0011

0.0010

-2.0

-1.5

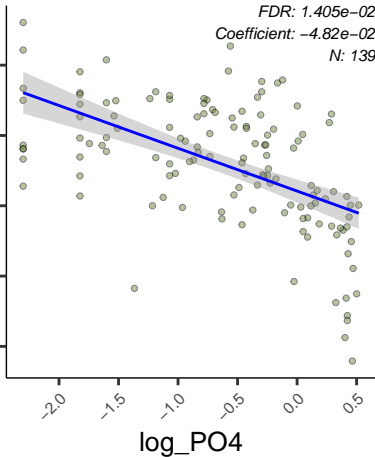
-1.0

-0.5

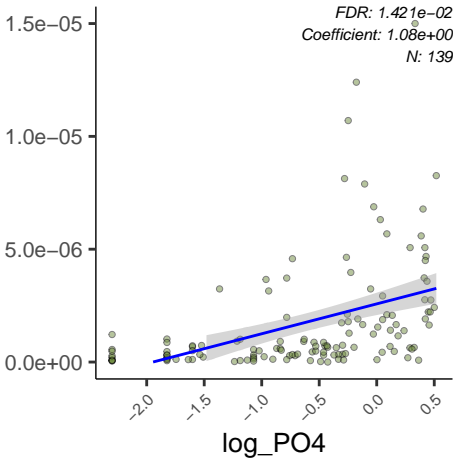
0.0

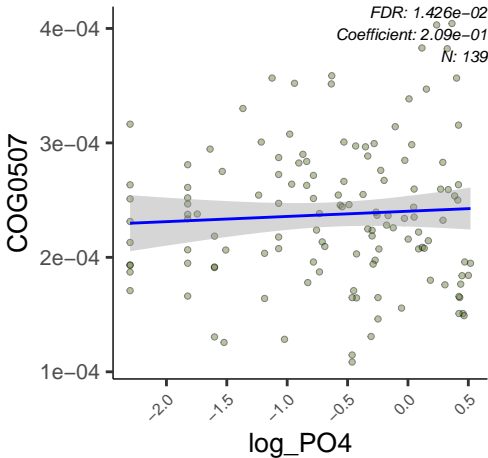
0.5

log_PO4



COG4804





COG1969

FDR: 1.429e-02
Coefficient: 1.25e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

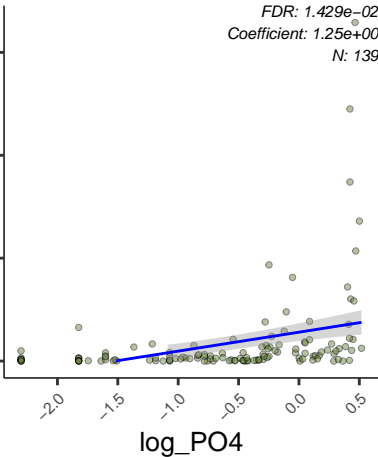
-1.0

-0.5

0.0

0.5

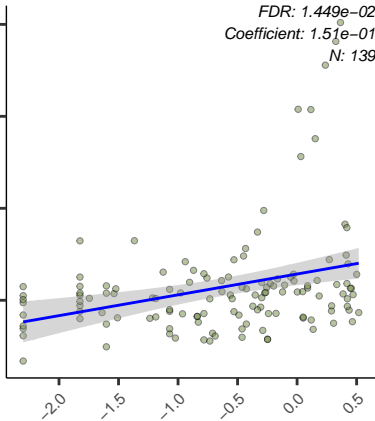
log_PO4



COG0488

FDR: 1.449e-02
Coefficient: 1.51e-01
N: 139

0.0015
0.0012
0.0009
0.0006



log_PO4

COG2813

FDR: 1.449e-02
Coefficient: 3.97e-01
N: 139

0.00020

0.00015

0.00010

0.00005

-2.0

-1.5

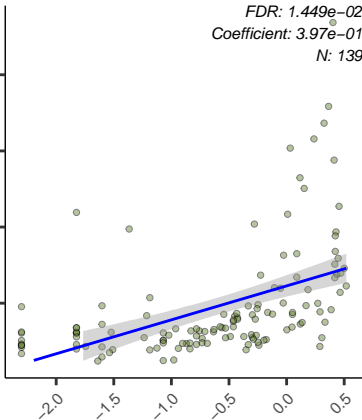
-1.0

-0.5

0.0

0.5

log_PO4



COG4594

FDR: 1.455e-02
Coefficient: 1.42e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

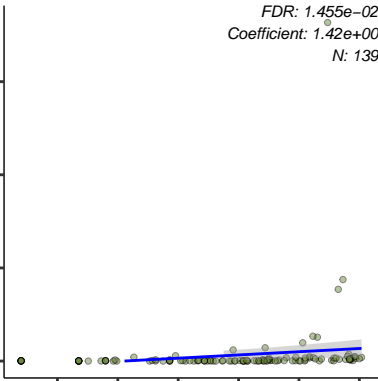
-1.0

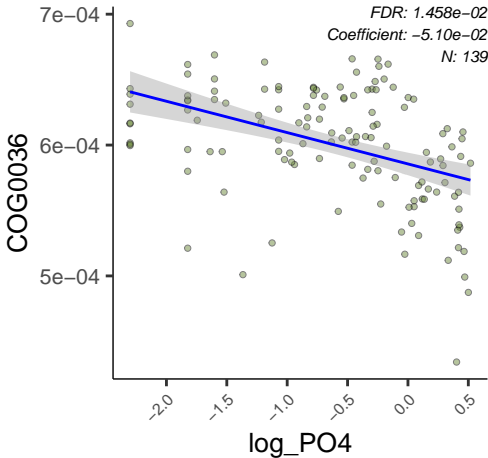
-0.5

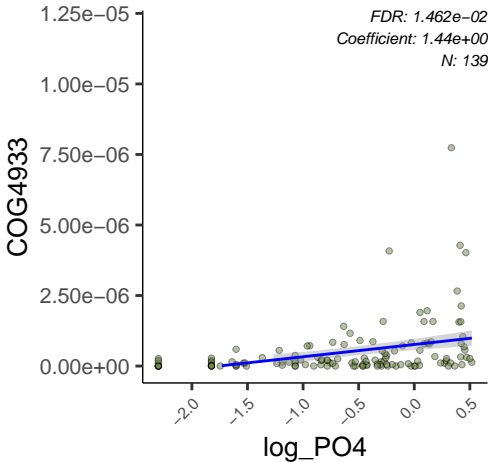
0.0

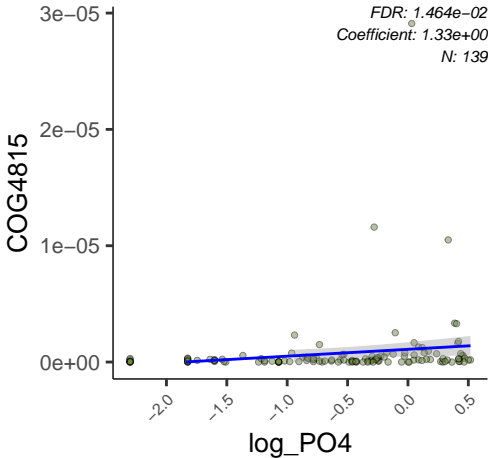
0.5

log_PO4









COG00004

FDR: 1.473e-02

Coefficient: -1.21e-01

N: 139

0.0018

0.0014

0.0010

-2.0

-1.5

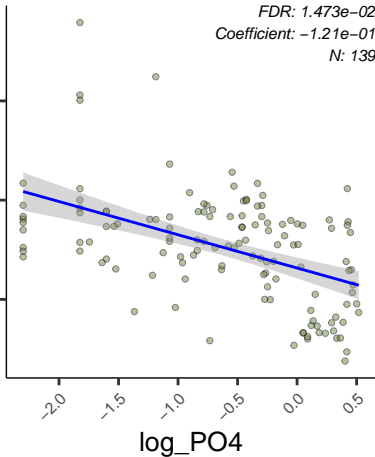
-1.0

-0.5

0.0

0.5

log_PO4



COG3730

FDR: 1.476e-02
Coefficient: -1.46e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

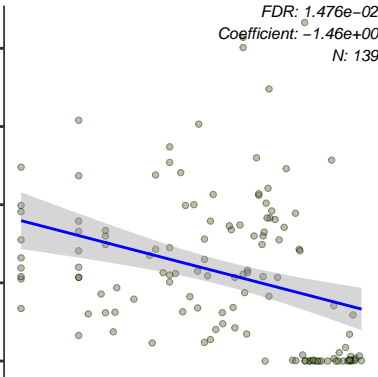
-1.0

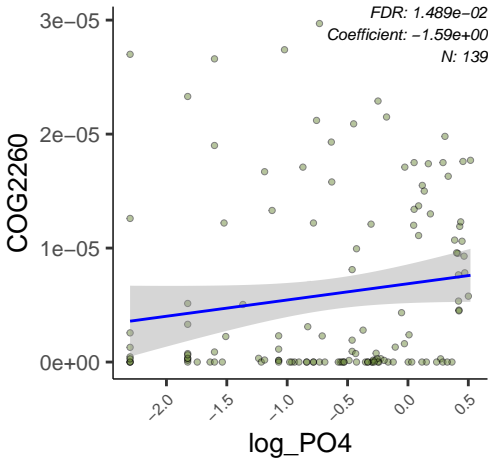
-0.5

0.0

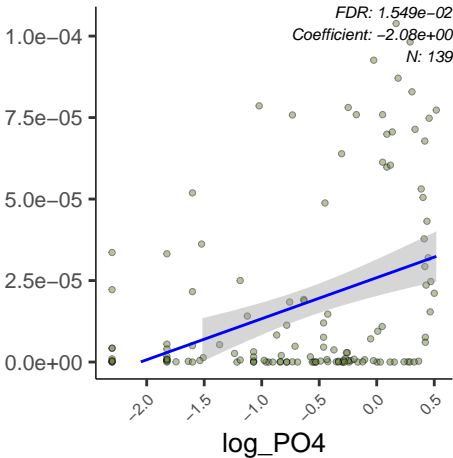
0.5

log_PO4

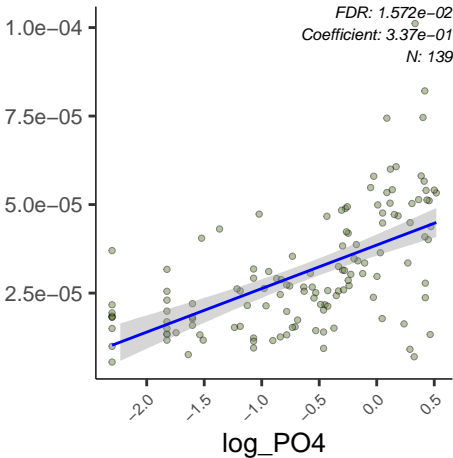


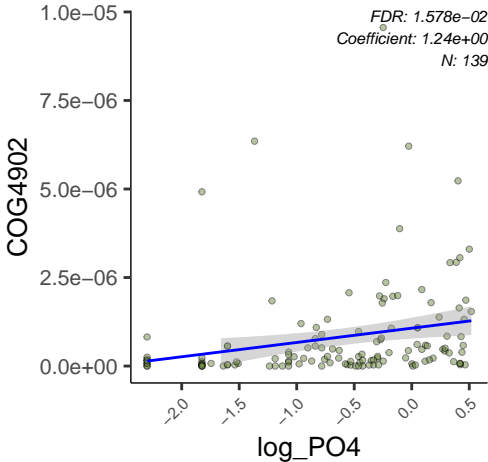


COG1756



COG2373





COG3732

FDR: 1.583e-02
Coefficient: -1.48e+00
N: 139

8e-05

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

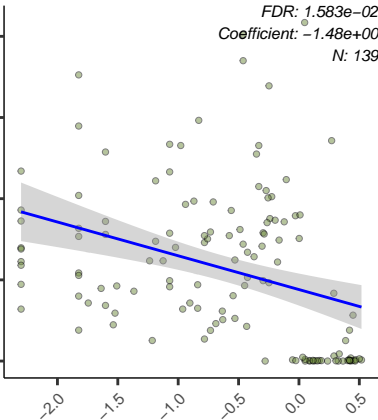
-1.0

-0.5

0.0

0.5

log_PO4



COG4200

FDR: 1.591e-02
Coefficient: 9.68e-01
N: 139

3e-06

2e-06

1e-06

0e+00

-2.0

-1.5

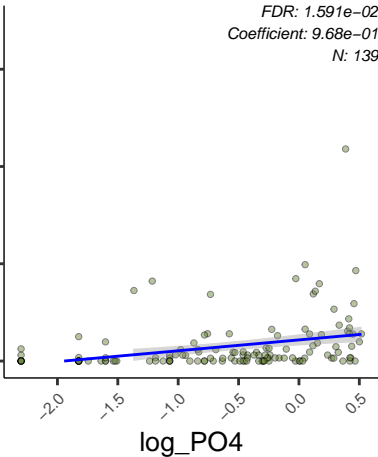
-1.0

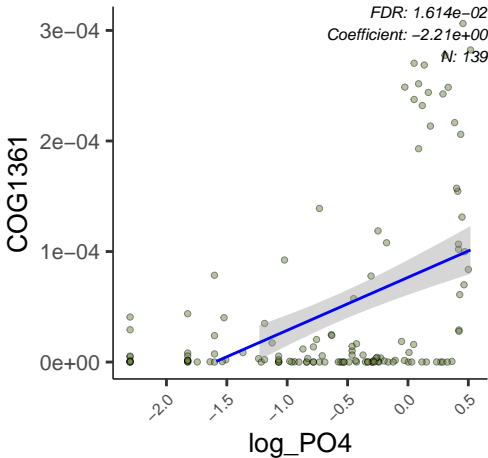
-0.5

0.0

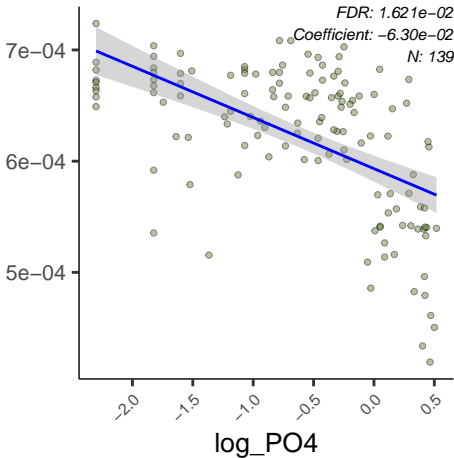
0.5

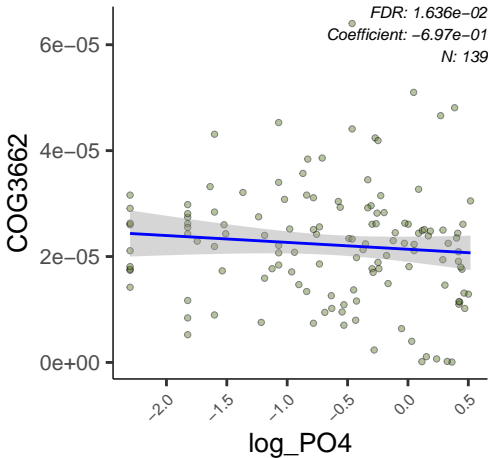
log_PO4

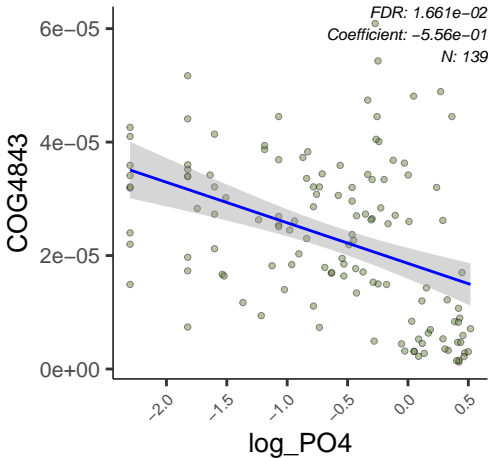




COG0452







COG1824

FDR: 1.683×10^{-2}
Coefficient: -1.53×10^0
N: 139

2×10^{-5}

1×10^{-5}

0×10^0

-2.0

-1.5

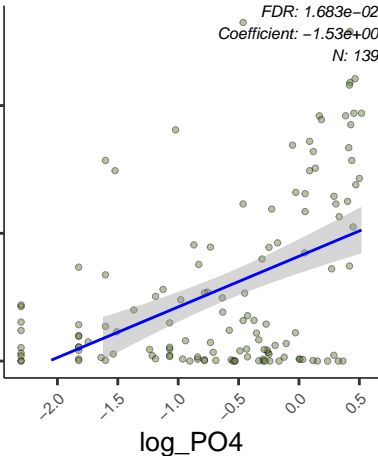
-1.0

-0.5

0.0

0.5

log_PO4



COG0131

FDR: 1.700e-02

Coefficient: -9.05e-02

N: 139

7e-04

6e-04

5e-04

4e-04

-2.0

-1.5

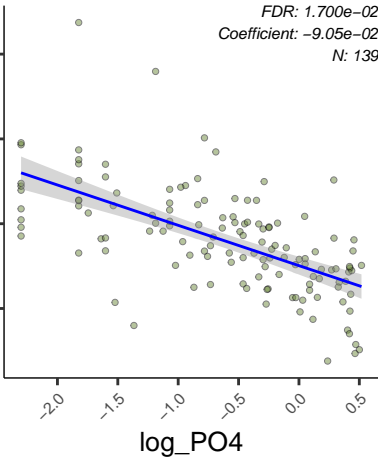
-1.0

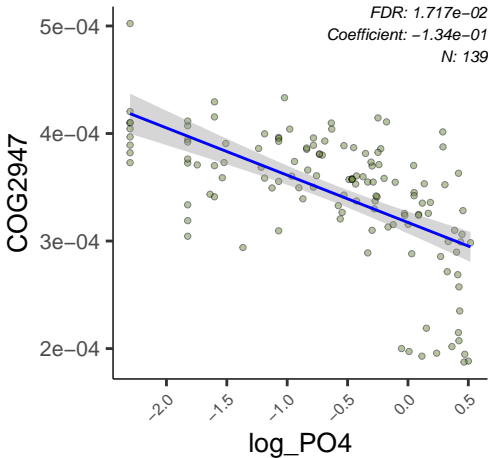
-0.5

0.0

0.5

log_PO4





COG1510

FDR: 1.738e-02
Coefficient: 5.31e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

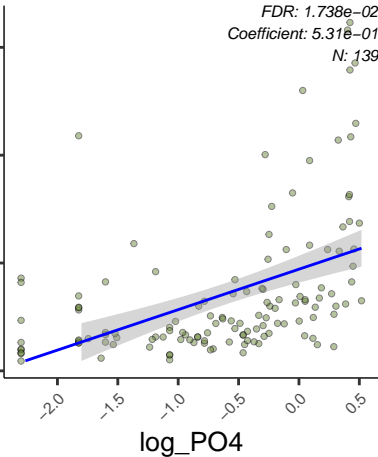
-1.0

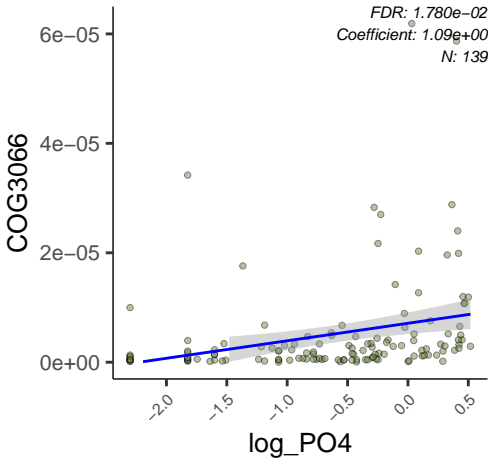
-0.5

0.0

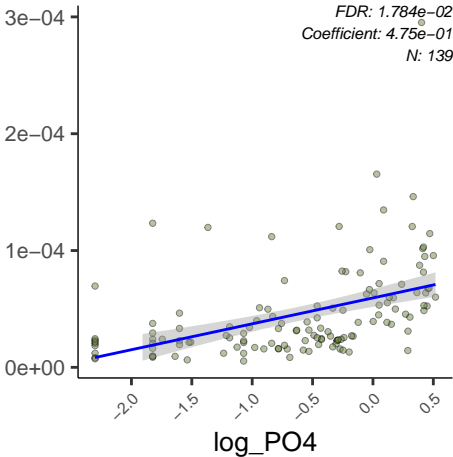
0.5

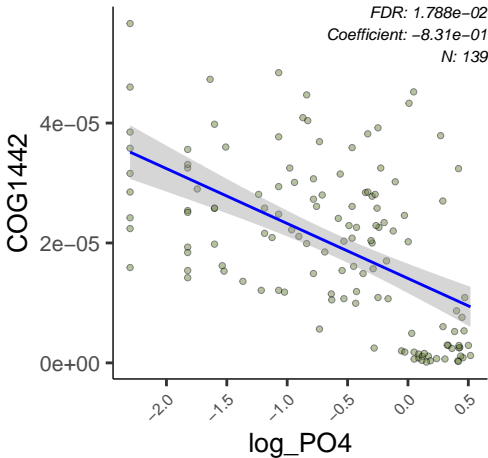
log_PO4



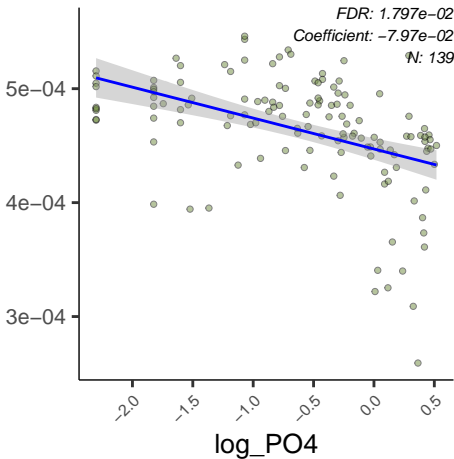


COG3712

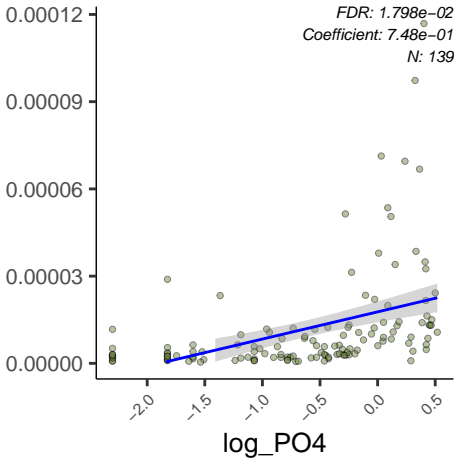




COG1386



COG3530



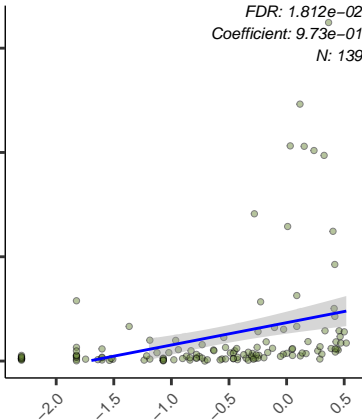
COG4628

FDR: 1.812e-02
Coefficient: 9.73e-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



COG5579

FDR: 1.836e-02
Coefficient: 5.83e-01
N: 139

2.0e-05

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

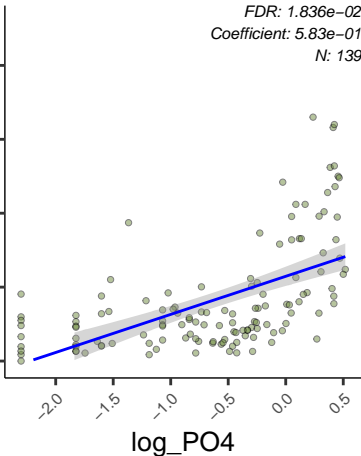
-1.0

-0.5

0.0

0.5

log_PO4



COG0717

6e-04
5e-04
4e-04
3e-04

-2.0

-1.5

-1.0

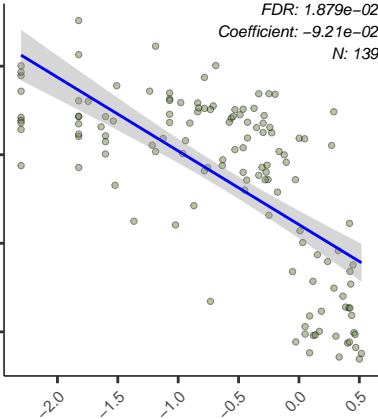
-0.5

0.0

0.5

log_PO4

FDR: 1.879e-02
Coefficient: -9.21e-02
N: 139



COG1854

FDR: 1.901e-02
Coefficient: 1.23e+00
N: 139

1e-05

5e-06

0e+00

-2.0

-1.5

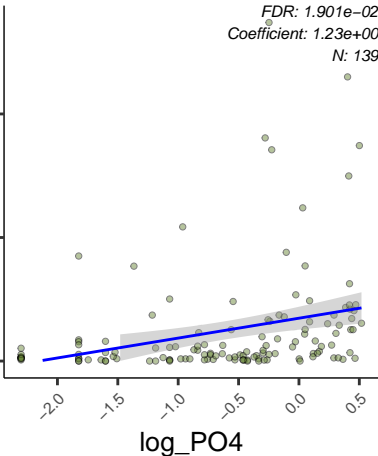
-1.0

-0.5

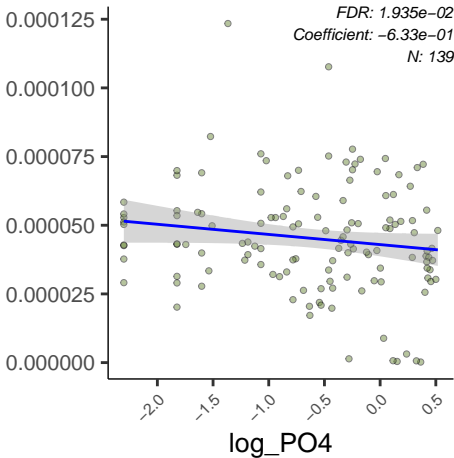
0.0

0.5

log_PO4



COG3336



COG3552

0.00015

0.00010

0.00005

-2.0

-1.5

-1.0

-0.5

0.0

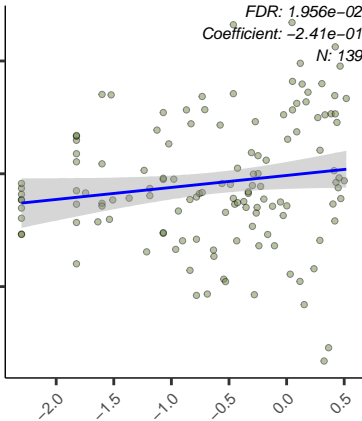
0.5

log_PO4

FDR: 1.956e-02

Coefficient: -2.41e-01

N: 139



COG3296

FDR: 1.959e-02
Coefficient: 7.05e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

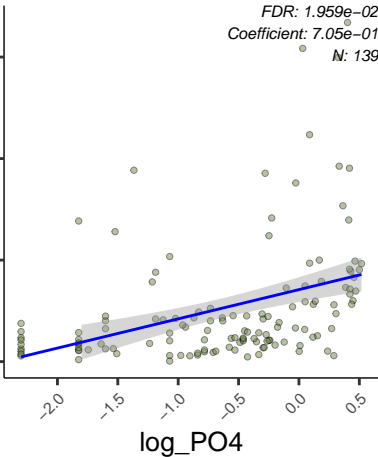
-1.0

-0.5

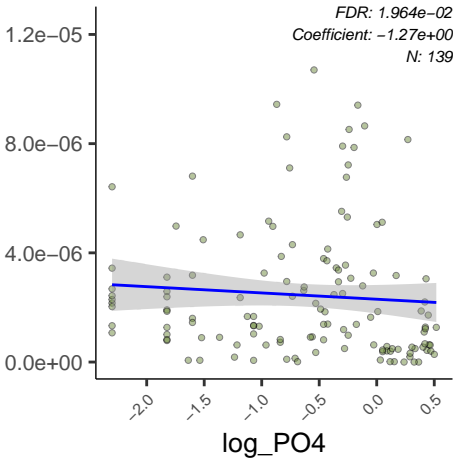
0.0

0.5

log_PO4



COG4907



COG3789

FDR: 1.971e-02
Coefficient: 1.15e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

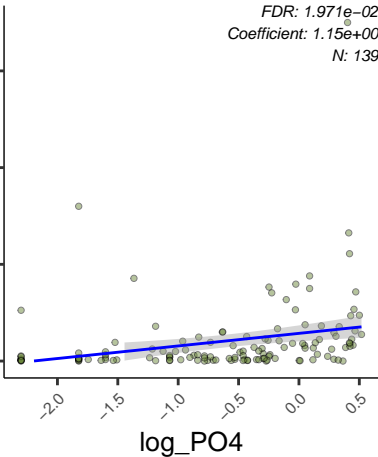
-1.0

-0.5

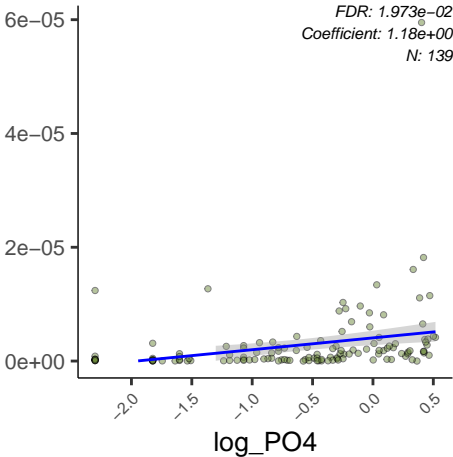
0.0

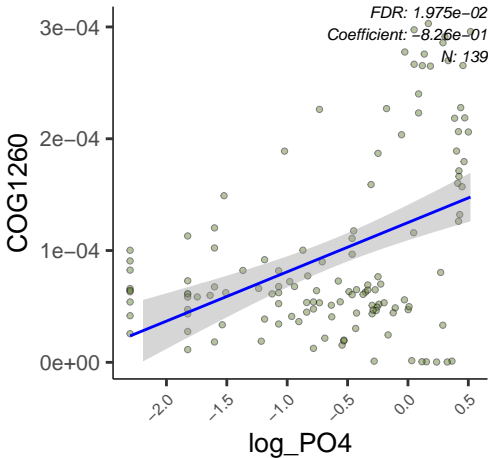
0.5

log_PO4



COG3449





COG0659

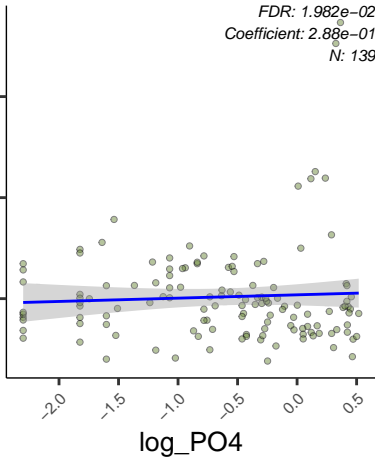
FDR: 1.982e-02
Coefficient: 2.88e-01
N: 139

0.0012

0.0008

0.0004

log_PO4



COG0051

6e-04

5e-04

4e-04

-2.0

-1.5

-1.0

-0.5

0.0

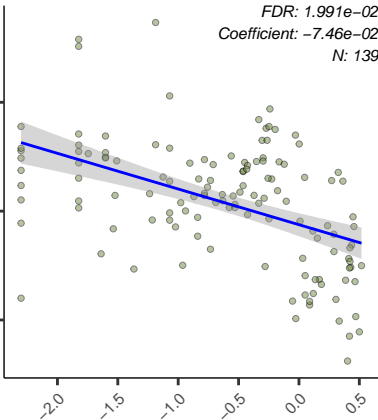
0.5

log_PO4

FDR: 1.991e-02

Coefficient: -7.46e-02

N: 139



COG3057

FDR: 1.993e-02
Coefficient: 1.32e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

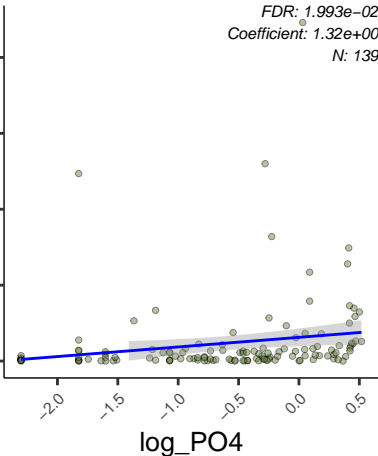
-1.0

-0.5

0.0

0.5

log_PO4



COG4353

FDR: 2.004e-02
Coefficient: -1.06e+00
N: 139

1.5e-06

1.0e-06

5.0e-07

0.0e+00

log_PO4

-2.0

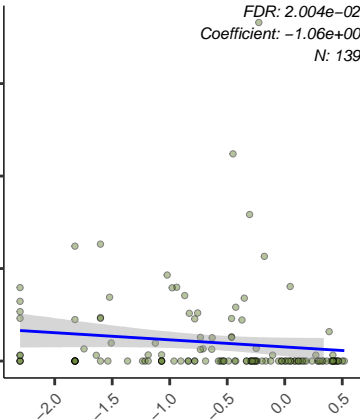
-1.5

-1.0

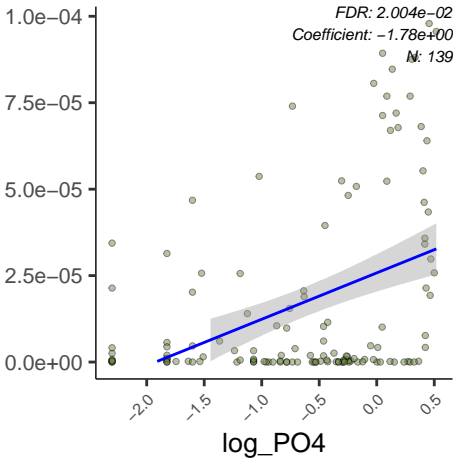
-0.5

0.0

0.5



COG4830



COG5652

FDR: 2.009e-02
Coefficient: -8.07e-01
N: 139

2.0e-05

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

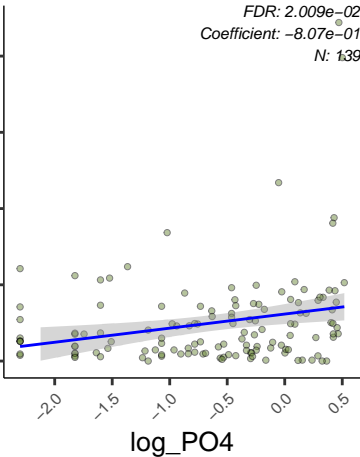
-1.0

-0.5

0.0

0.5

log_PO4



COG5549

FDR: 2.015e-02

Coefficient: -1.90e+00

N: 139

4e-05

2e-05

0e+00

-2.0

-1.5

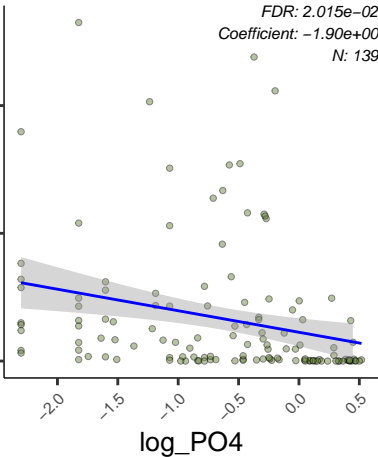
-1.0

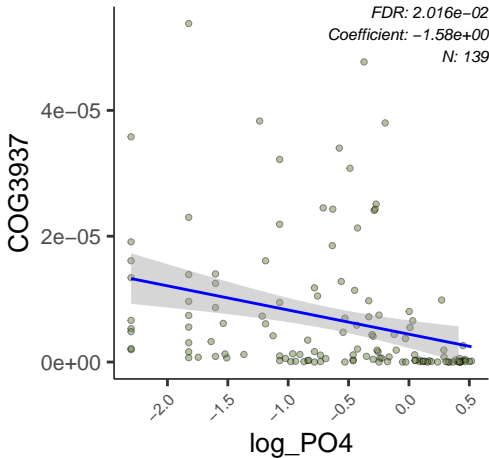
-0.5

0.0

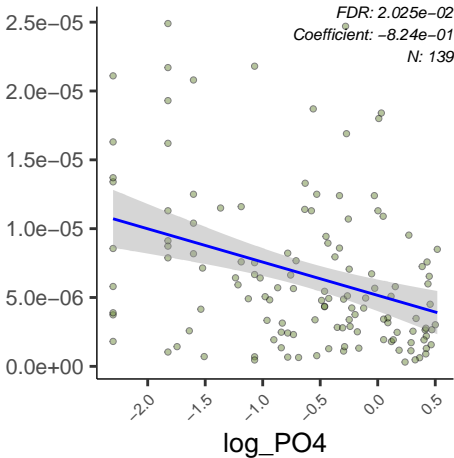
0.5

log_PO4





COG0387



COG1114

FDR: 2.025e-02
Coefficient: 1.13e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

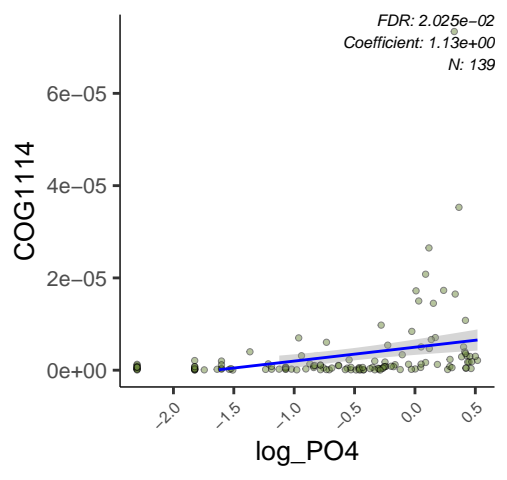
-1.0

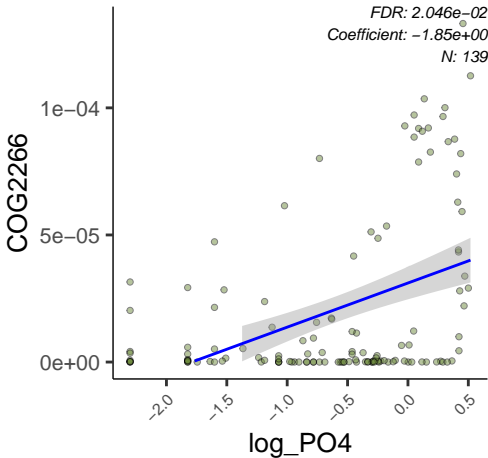
-0.5

0.0

0.5

log_PO4





COG3913

FDR: 2.058e-02
Coefficient: 1.37e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

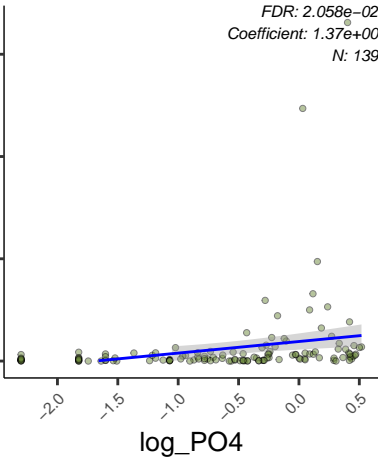
-1.0

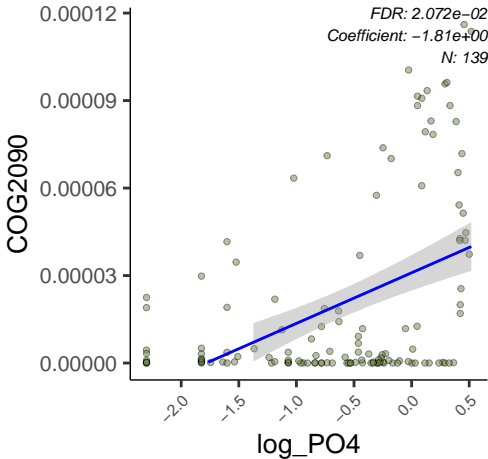
-0.5

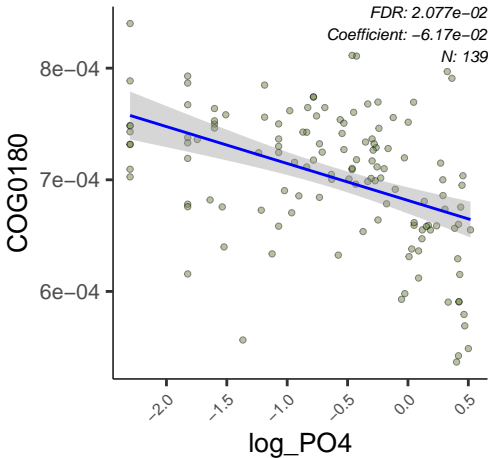
0.0

0.5

log_PO4







COG2344

FDR: 2.080e-02
Coefficient: -8.69e-01
N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

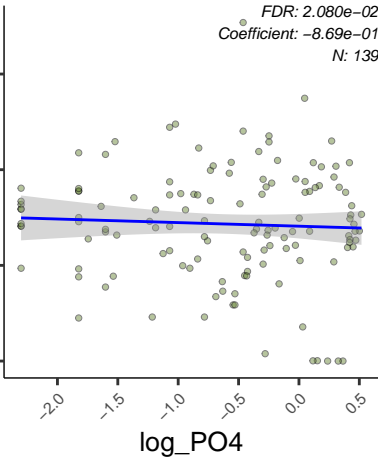
-1.0

-0.5

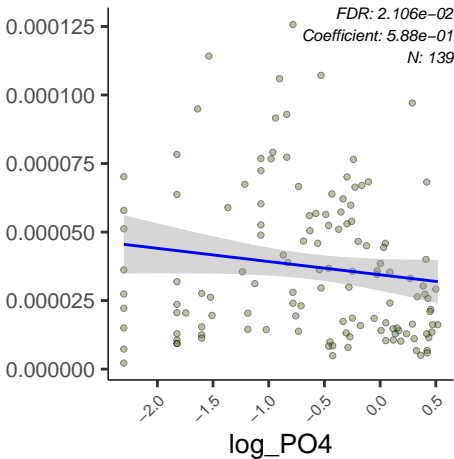
0.0

0.5

log_PO4



COG2859



COG2213

1e-04

5e-05

0e+00

-2.0

-1.5

-1.0

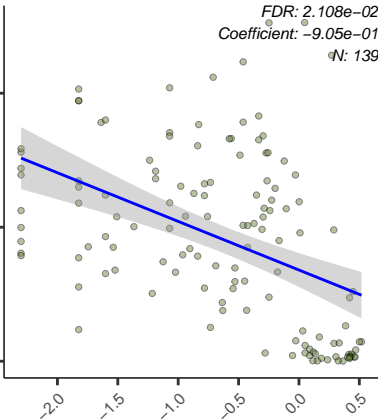
-0.5

0.0

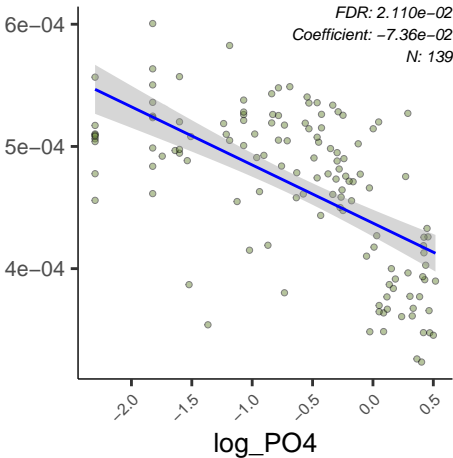
0.5

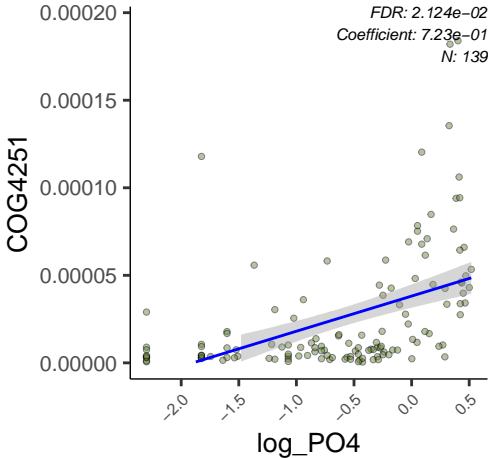
log_PO4

FDR: 2.108e-02
Coefficient: -9.05e-01
N: 139



COG0440





COG2888

FDR: 2.157e-02
Coefficient: -1.68e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

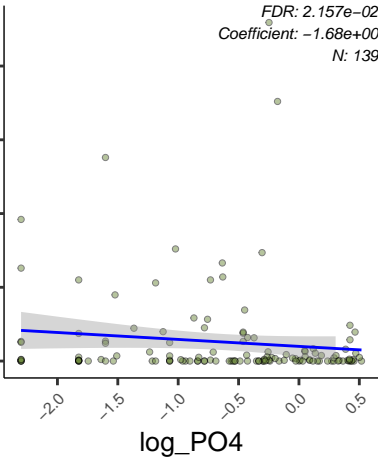
-1.0

-0.5

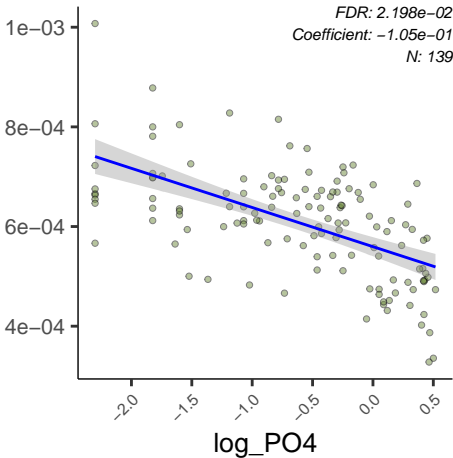
0.0

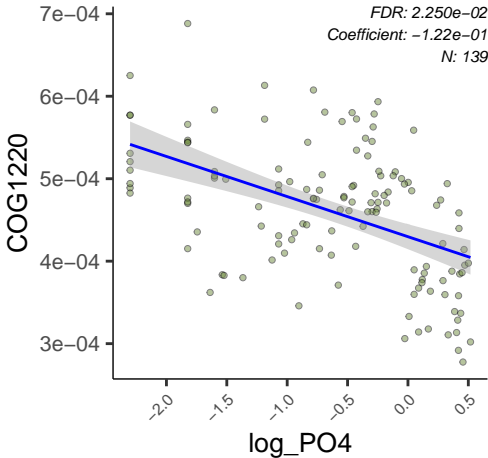
0.5

log_PO4

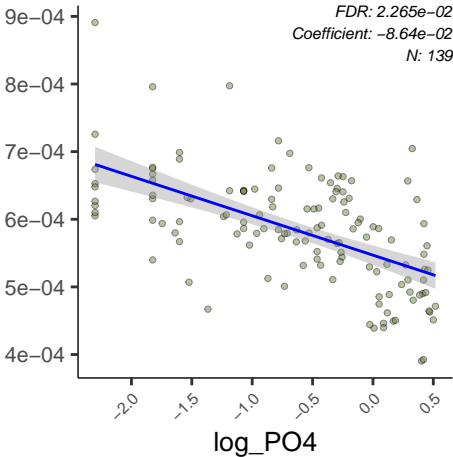


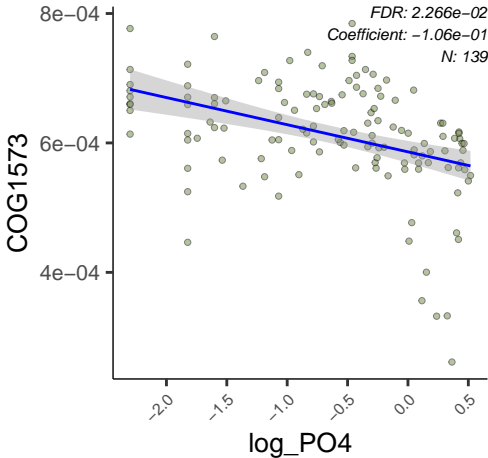
COG0229

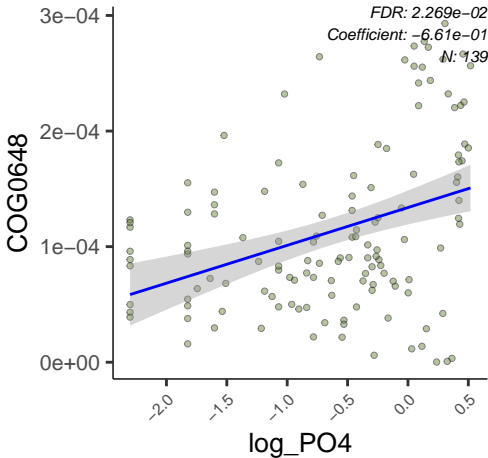




COG0107







COG2515

FDR: 2.273e-02
Coefficient: 2.42e-01
N: 139

2e-04

1e-04

-2.0

-1.5

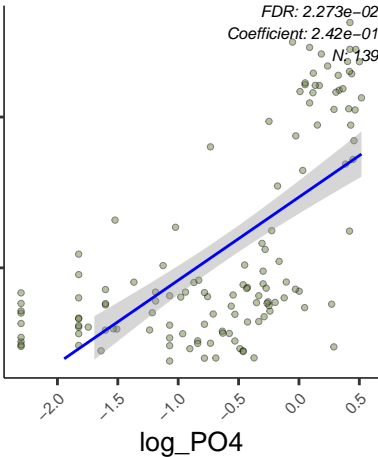
-1.0

-0.5

0.0

0.5

log_PO4



COG4693

FDR: 2.274e-02
Coefficient: 9.18e-01
N: 139

8e-07

6e-07

4e-07

2e-07

0e+00

log_PO4

-2.0

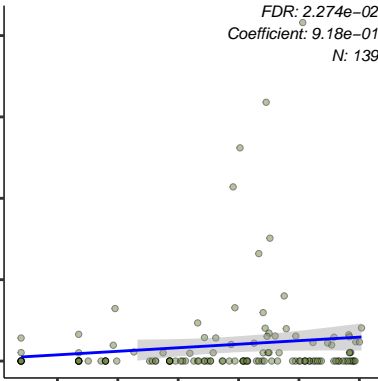
-1.5

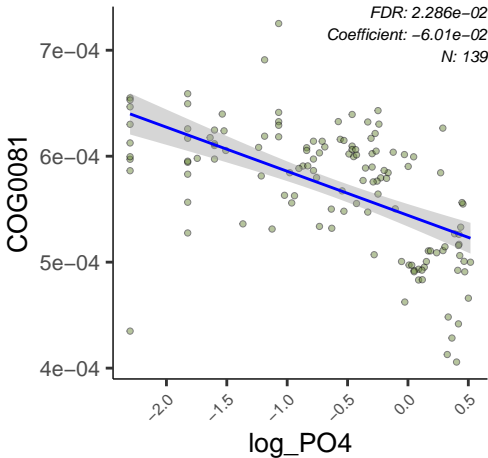
-1.0

-0.5

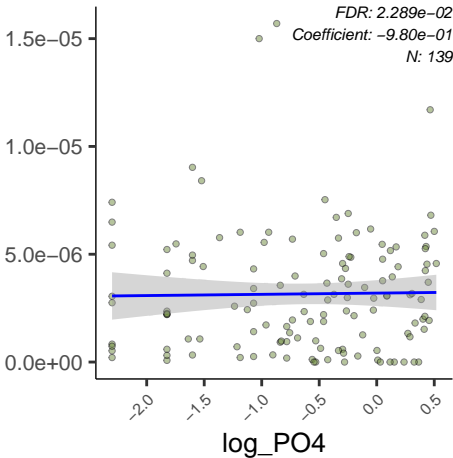
0.0

0.5

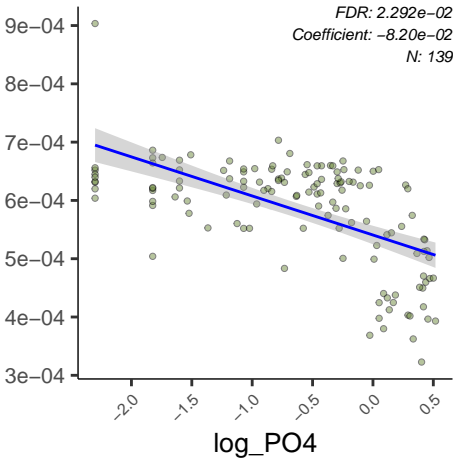




COG1590



COG0755



COG4669

FDR: 2.304e-02
Coefficient: 1.06e+00
N: 139

4e-06

2e-06

0e+00

-2.0

-1.5

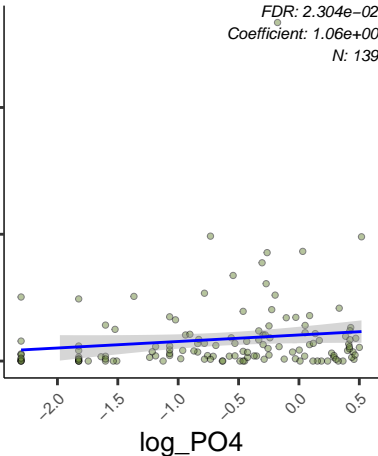
-1.0

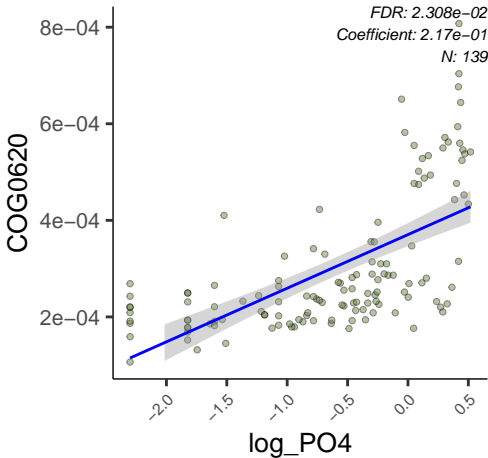
-0.5

0.0

0.5

log_PO4





COG0164

$6e-04$

$5e-04$

$4e-04$

-2.0

-1.5

-1.0

-0.5

0.0

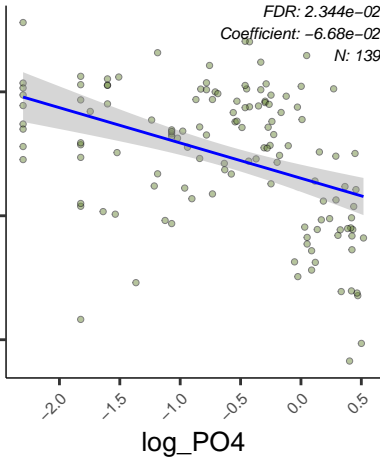
0.5

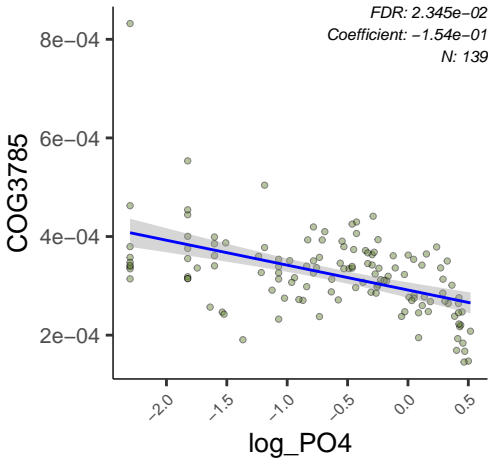
log_PO4

FDR: $2.344e-02$

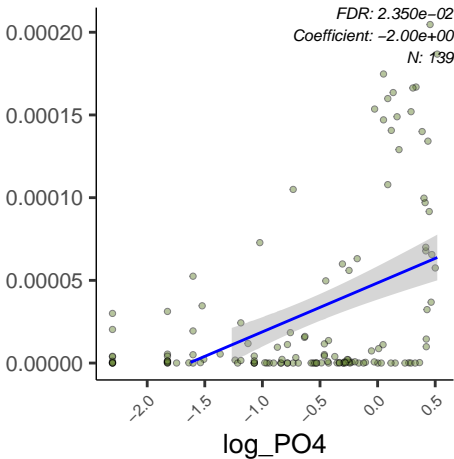
Coefficient: $-6.68e-02$

N: 139





COG1635



COG4953

FDR: 2.352e-02
Coefficient: 3.35e-01
N: 139

4e-05

3e-05

2e-05

1e-05

-2.0

-1.5

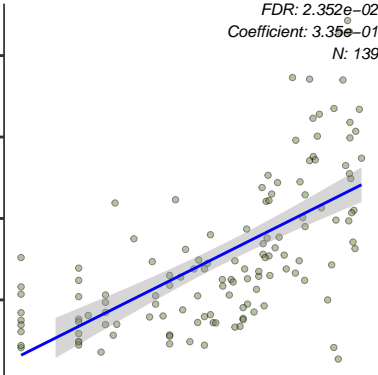
-1.0

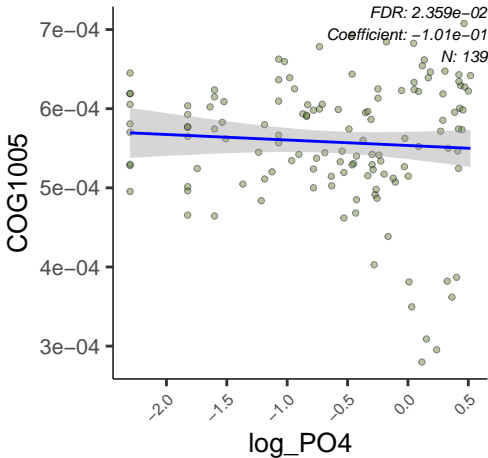
-0.5

0.0

0.5

log_PO4



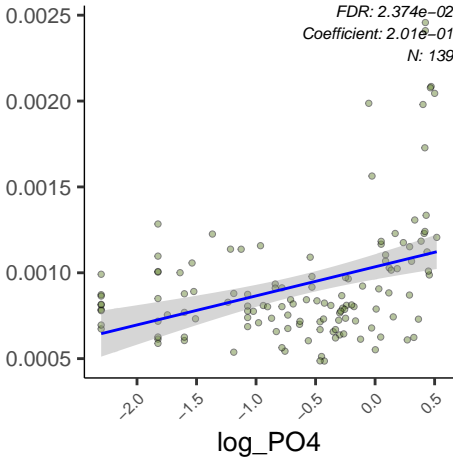


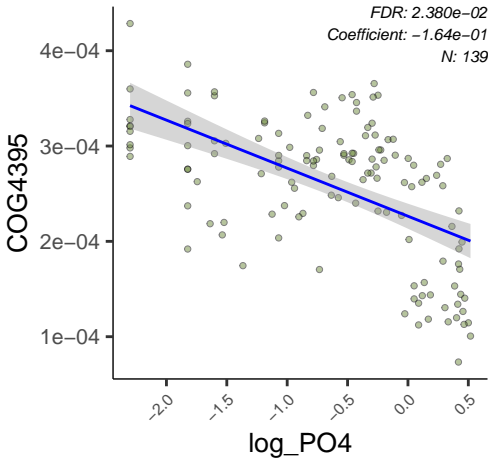
COG0582

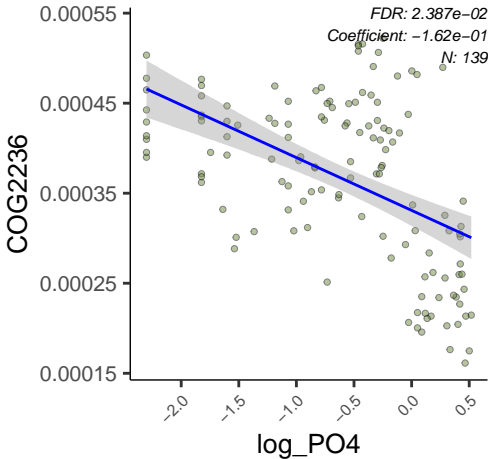
FDR: 2.374e-02

Coefficient: 2.01e-01

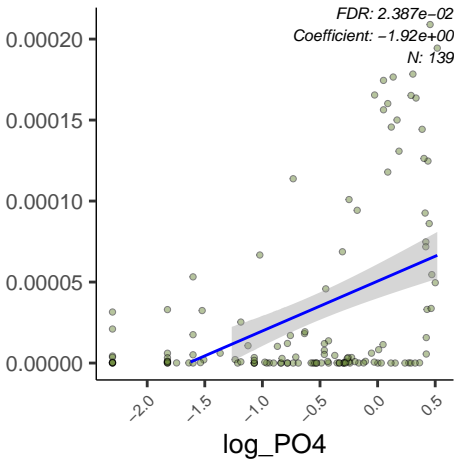
N: 139







COG2429



COG4803

FDR: 2.387e-02
Coefficient: -1.44e+00
N: 139

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

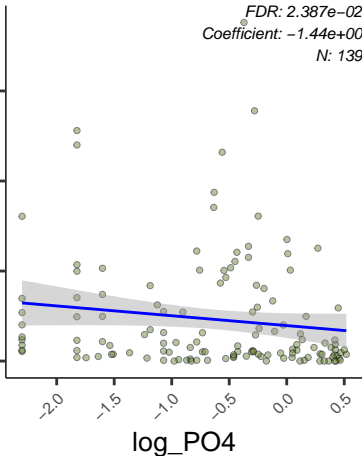
-1.0

-0.5

0.0

0.5

log_PO4



COG3607

FDR: 2.418e-02
Coefficient: 1.19e+00
N: 139

9e-06
6e-06
3e-06
0e+00

-2.0

-1.5

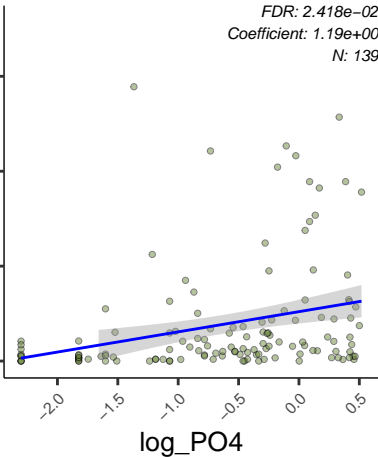
-1.0

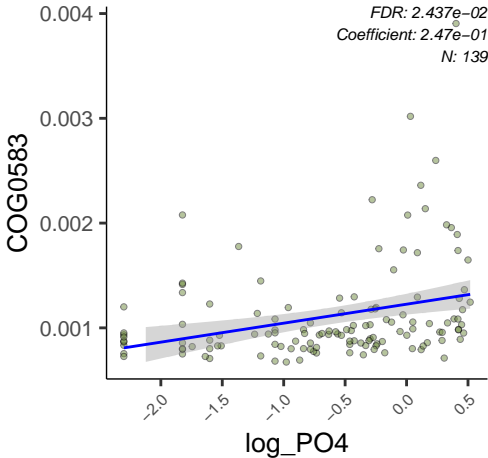
-0.5

0.0

0.5

log_PO4





COG1942

FDR: 2.448e-02

Coefficient: -4.61e-01

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

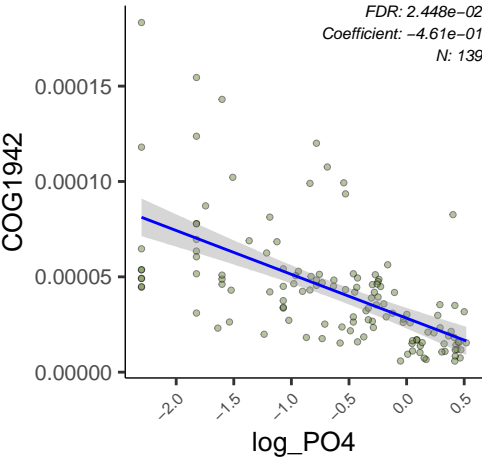
-1.0

-0.5

0.0

0.5

log_PO4



COG2036

FDR: 2.451e-02

Coefficient: -1.69e+00

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

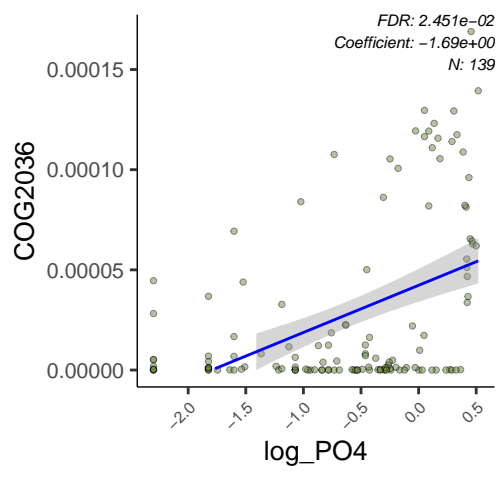
-1.0

-0.5

0.0

0.5

log_PO4



COG3377

FDR: 2.469e-02
Coefficient: 1.23e+00
N: 139

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

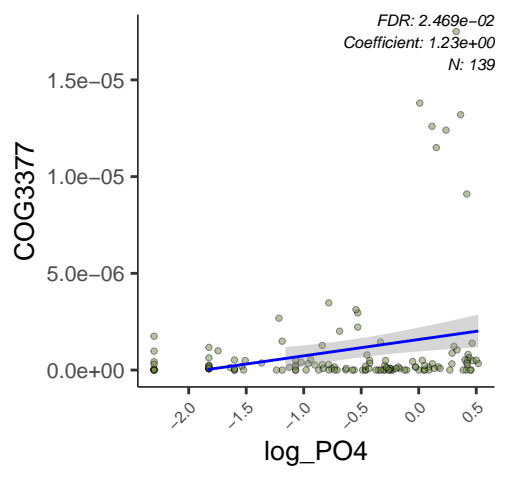
-1.0

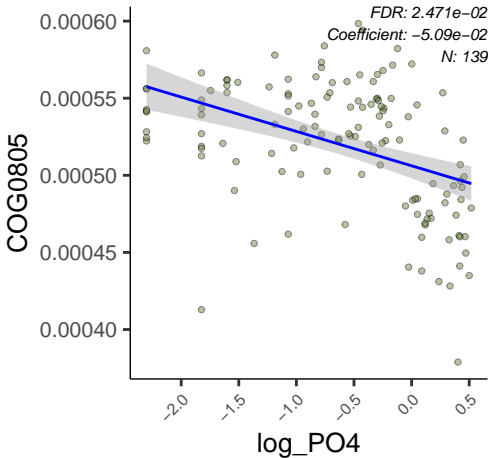
-0.5

0.0

0.5

log_PO4





COG2768

FDR: $2.477\text{e-}02$
Coefficient: $-1.52\text{e+}00$
N: 139

$6\text{e-}05$

$4\text{e-}05$

$2\text{e-}05$

$0\text{e+}00$

-2.0

-1.5

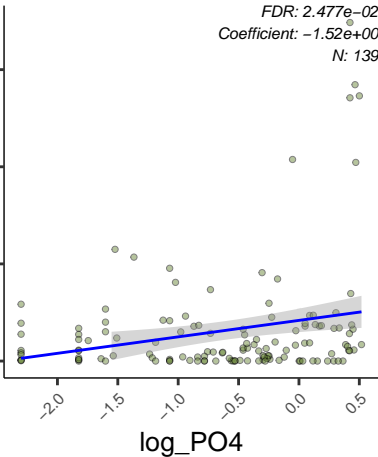
-1.0

-0.5

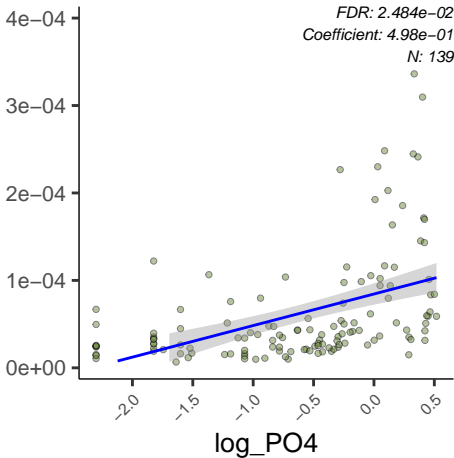
0.0

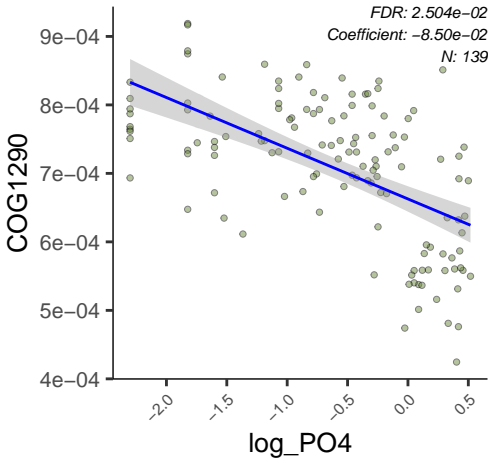
0.5

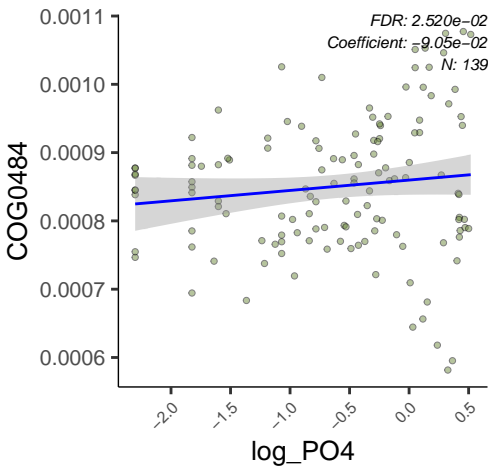
log_PO4

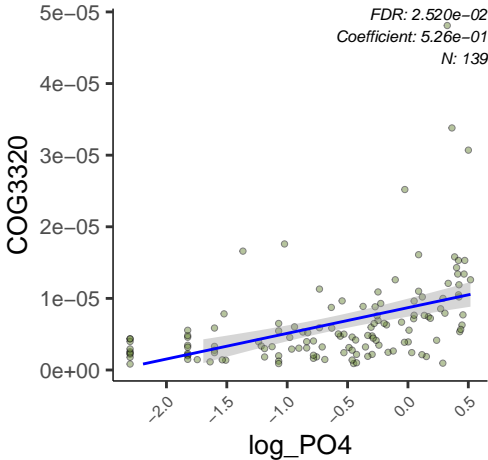


COG3279









COG3635

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

-1.0

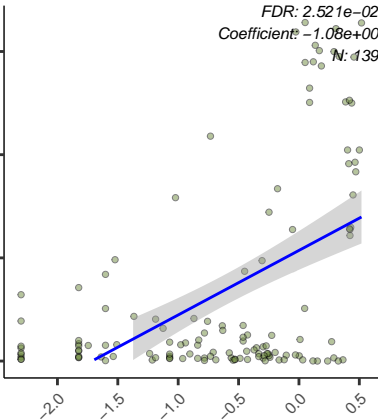
-0.5

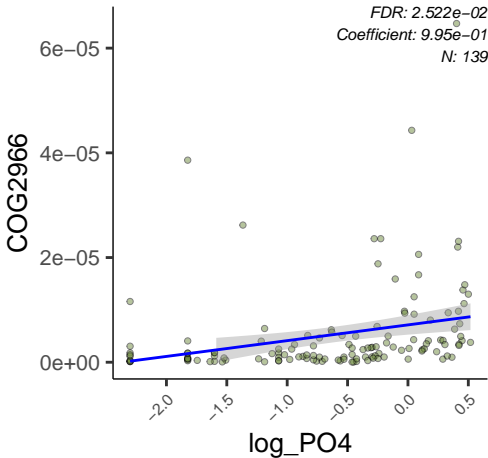
0.0

0.5

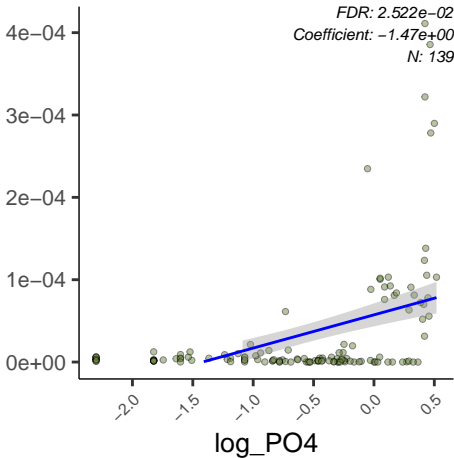
log_PO4

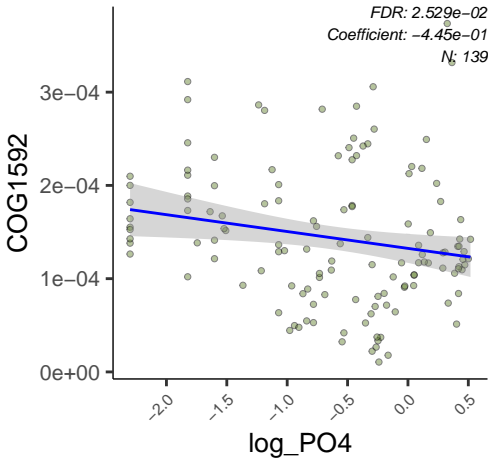
FDR: 2.521e-02
Coefficient: -1.08e+00
N: 139



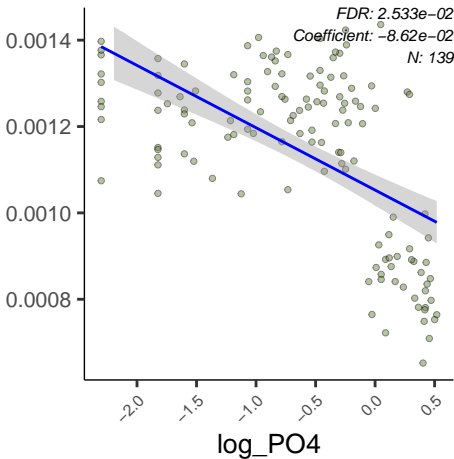


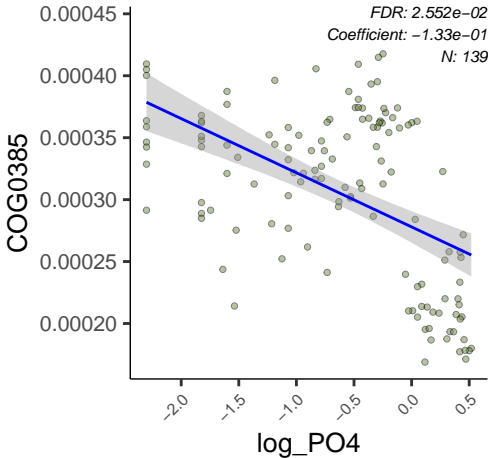
COG1148





COG0719





COG4046

0.00020
0.00015
0.00010
0.00005
0.00000

-2.0

-1.5

-1.0

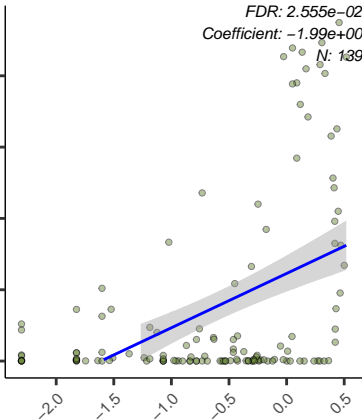
-0.5

0.0

0.5

log_PO4

FDR: 2.555e-02
Coefficient: -1.99e+00
N: 139



COG2308

FDR: 2.573e-02

Coefficient: -7.44e-01

N: 139

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

-2.0

-1.5

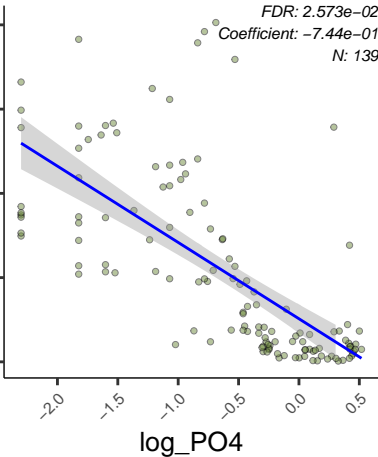
-1.0

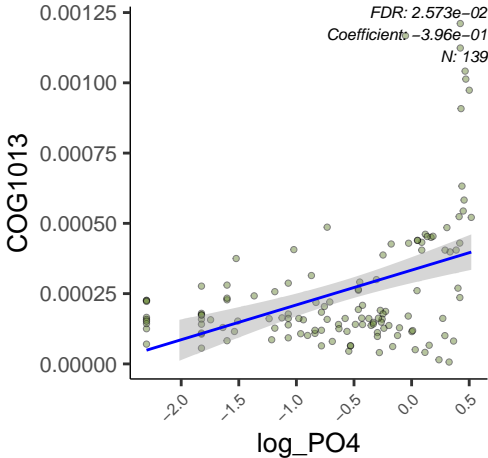
-0.5

0.0

0.5

log_PO4





COG4519

FDR: 2.598e-02
Coefficient: 1.13e+00
N: 139

1e-05

5e-06

0e+00

-2.0

-1.5

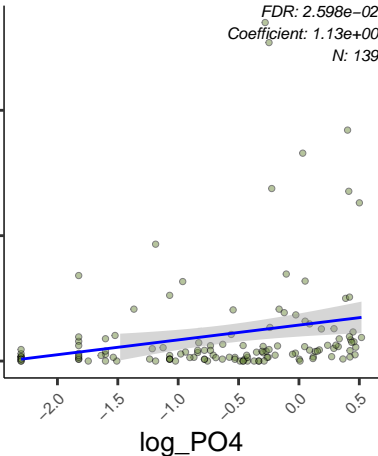
-1.0

-0.5

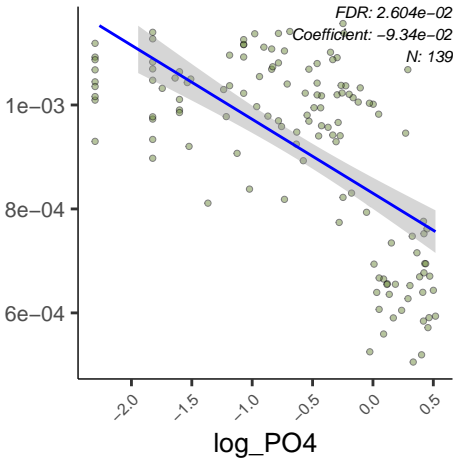
0.0

0.5

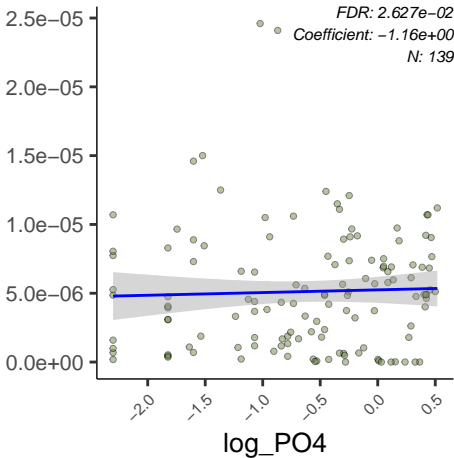
log_PO4



COG3288



COG1772



COG2945

FDR: 2.646e-02

Coefficient: -1.46e-01

N: 139

4e-04

3e-04

2e-04

1e-04

-2.0

-1.5

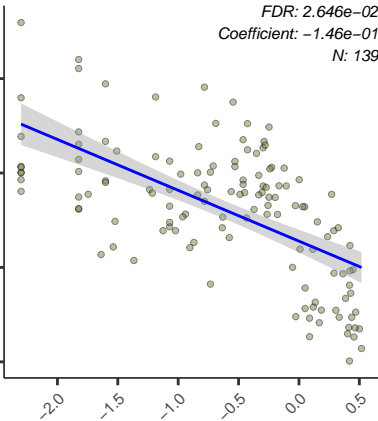
-1.0

-0.5

0.0

0.5

log_PO4



COG1714

0.00015

0.00010

0.00005

-2.0

-1.5

-1.0

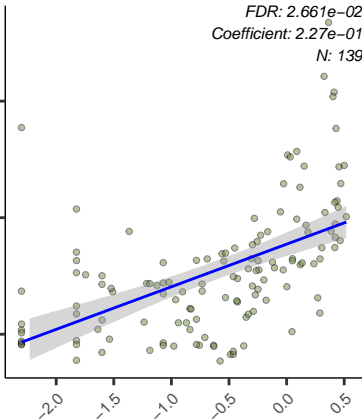
-0.5

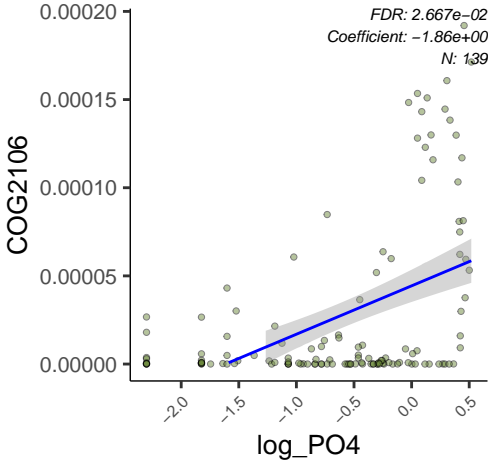
0.0

0.5

log_PO4

FDR: 2.661e-02
Coefficient: 2.27e-01
N: 139





COG3068

FDR: 2.687e-02
Coefficient: 1.11e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

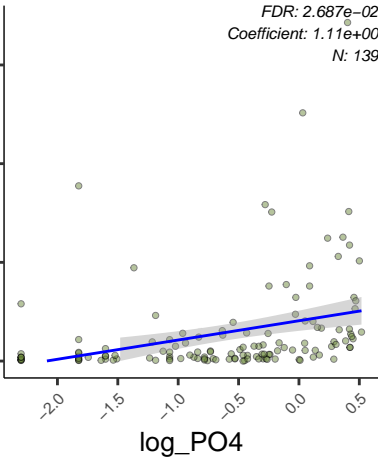
-1.0

-0.5

0.0

0.5

log_PO4



COG3326

FDR: 2.692e-02
Coefficient: 9.88e-01
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

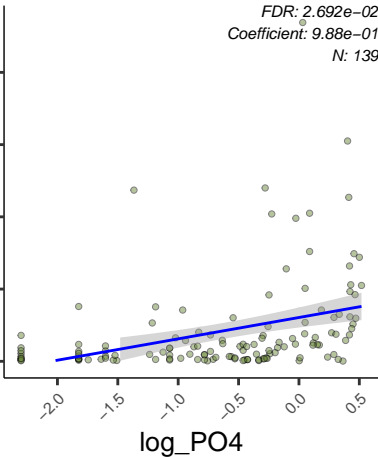
-1.0

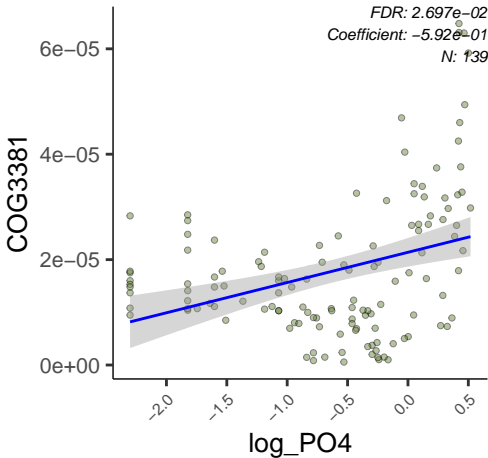
-0.5

0.0

0.5

log_PO4





COG3138

FDR: 2.708e-02
Coefficient: 4.15e-01
N: 139

9e-05

6e-05

3e-05

-2.0

-1.5

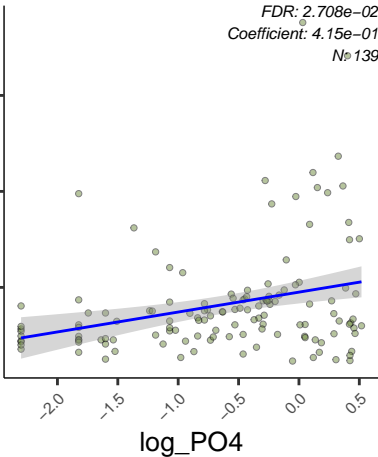
-1.0

-0.5

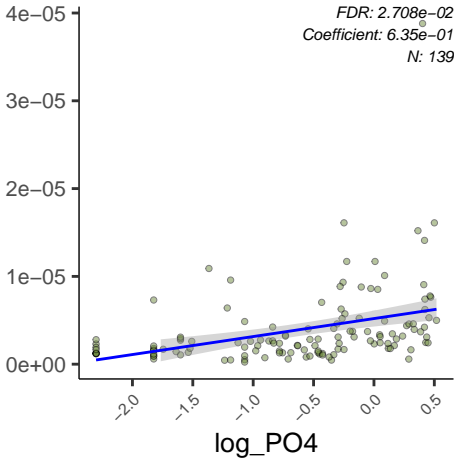
0.0

0.5

log_PO4



COG3236



COG4880

FDR: 2.764e-02

Coefficient: -5.97e-01

N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

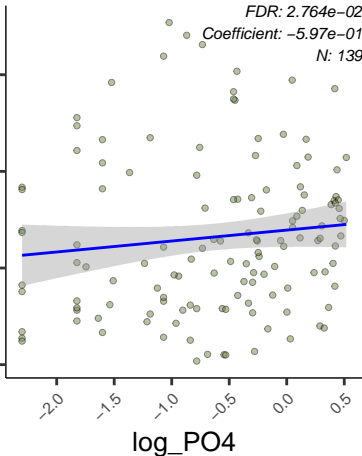
-1.0

-0.5

0.0

0.5

log_PO4



COG0155

FDR: 2.778e-02
Coefficient: 3.19e-01
N: 139

6e-04

4e-04

2e-04

-2.0

-1.5

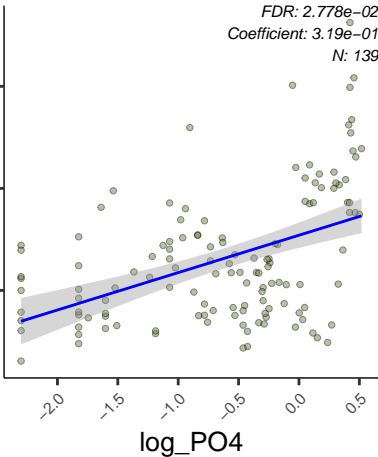
-1.0

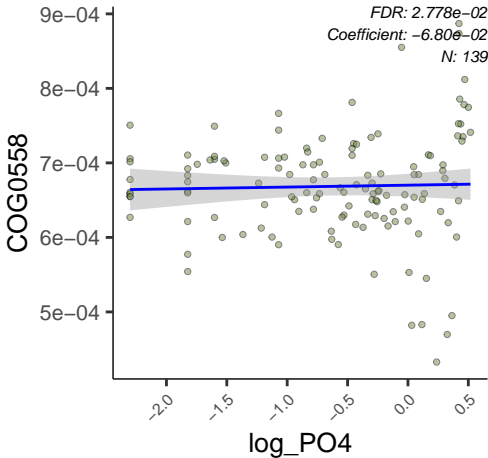
-0.5

0.0

0.5

log_PO4





COG3275

FDR: 2.782e-02

Coefficient: 5.87e-01

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

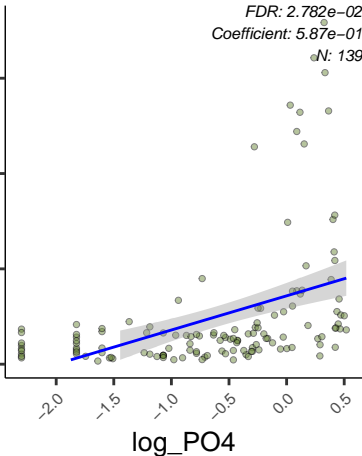
-1.0

-0.5

0.0

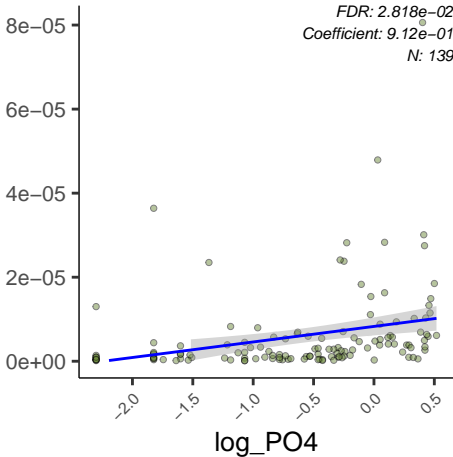
0.5

log_PO4



COG3106

FDR: 2.818e-02
Coefficient: 9.12e-01
N: 139



COG0503

FDR: 2.833e-02
Coefficient: -6.85e-02
N: 139

6e-04

5e-04

4e-04

-2.0

-1.5

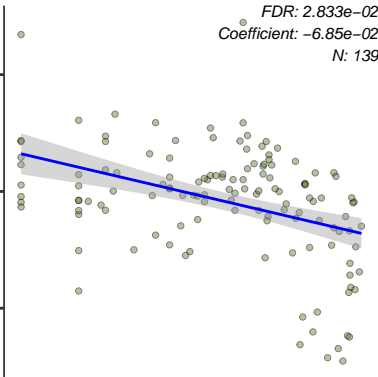
-1.0

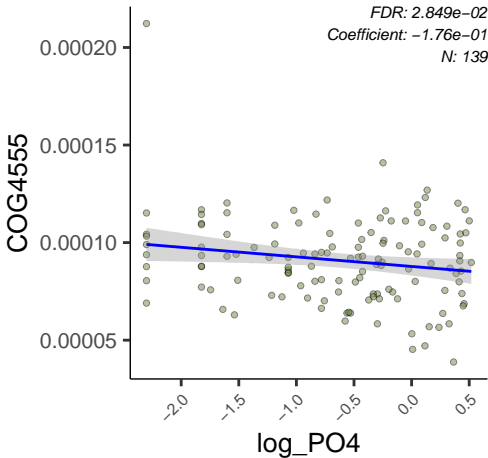
-0.5

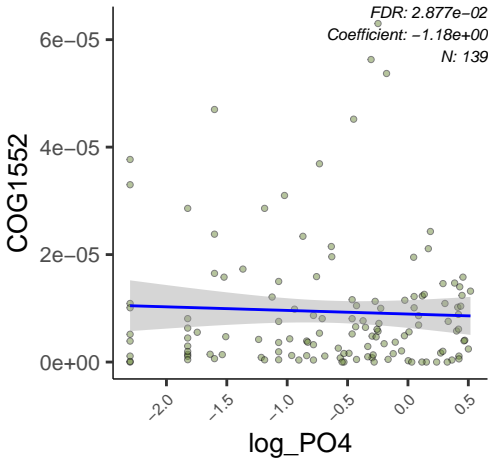
0.0

0.5

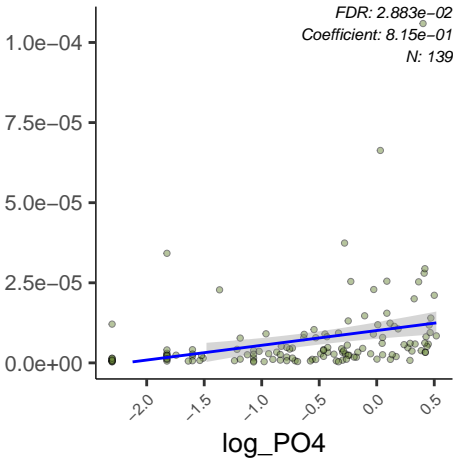
log_PO4

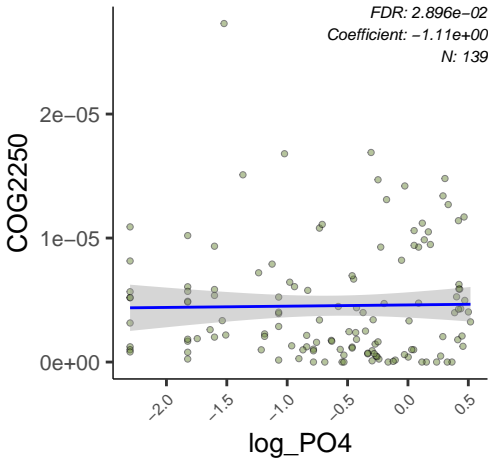






COG0676





COG0044

FDR: 2.917e-02

Coefficient: -9.79e-02

N: 139

0.0013
0.0012
0.0011
0.0010
0.0009
0.0008

-2.0

-1.5

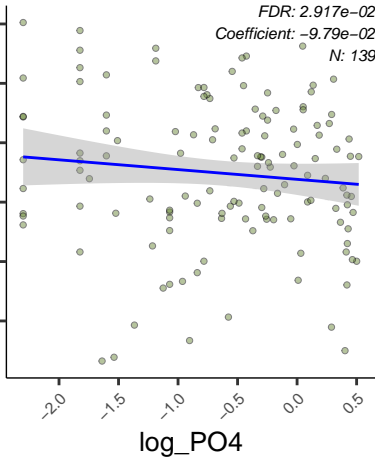
-1.0

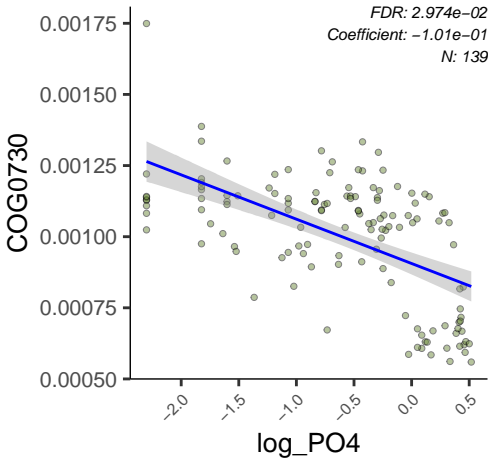
-0.5

0.0

0.5

log_PO4





COG1738

5e-04
4e-04
3e-04
2e-04

-2.0

-1.5

-1.0

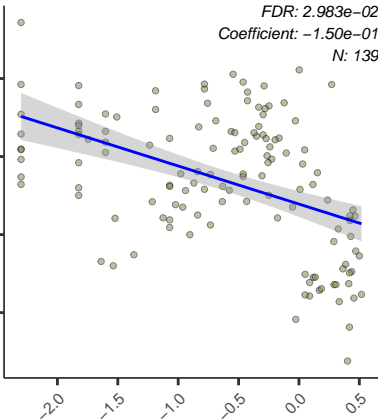
-0.5

0.0

0.5

log_PO4

FDR: 2.983e-02
Coefficient: -1.50e-01
N: 139



COG4067

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

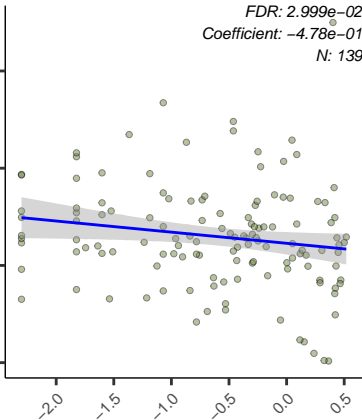
-0.5

0.0

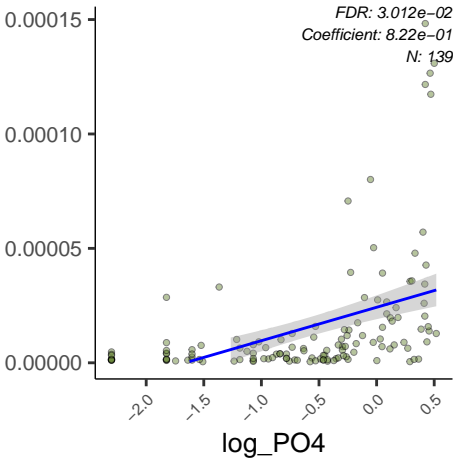
0.5

log_PO4

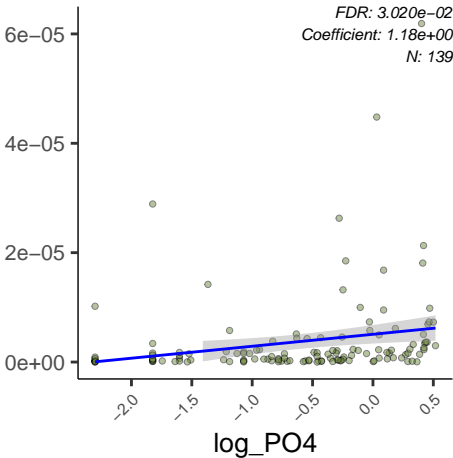
FDR: $2.999\text{e-}02$
Coefficient: $-4.78\text{e-}01$
N: 139



COG3415



COG4785



COG4195

2e-05

1e-05

0e+00

-2.0

-1.5

-1.0

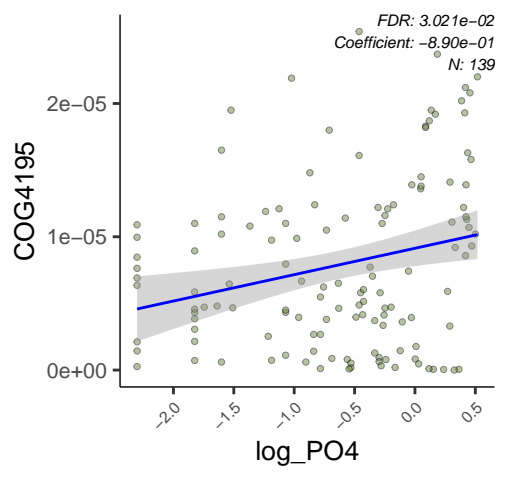
-0.5

0.0

0.5

log_PO4

FDR: 3.021e-02
Coefficient: -8.90e-01
N: 139



COG1506

FDR: 3.035e-02
Coefficient: 1.27e-01
N: 139

0.00100

0.00075

0.00050

0.00025

-2.0

-1.5

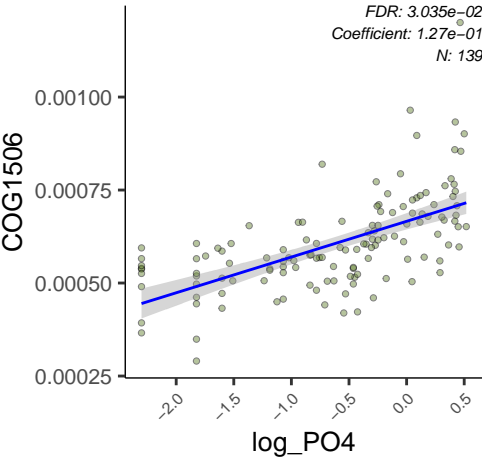
-1.0

-0.5

0.0

0.5

log_PO4



COG1958

FDR: 3.043e-02
Coefficient: -1.82e+00
N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

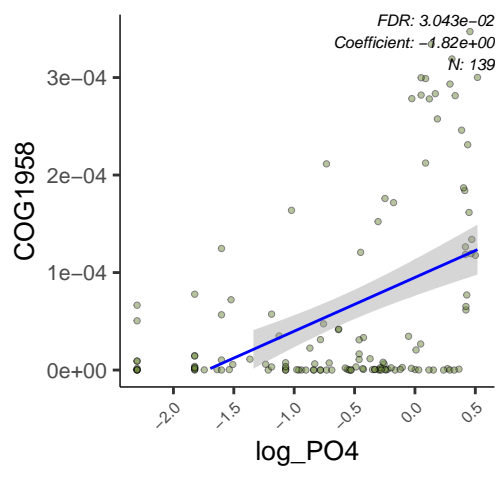
-1.0

-0.5

0.0

0.5

log_PO4



COG0184

0.00060
0.00055
0.00050
0.00045
0.00040

-2.0

-1.5

-1.0

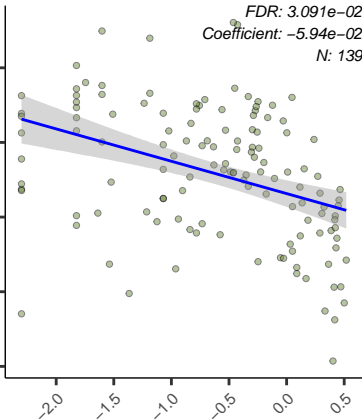
-0.5

0.0

0.5

log_PO4

FDR: 3.091e-02
Coefficient: -5.94e-02
N: 139



COG1563

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

-1.0

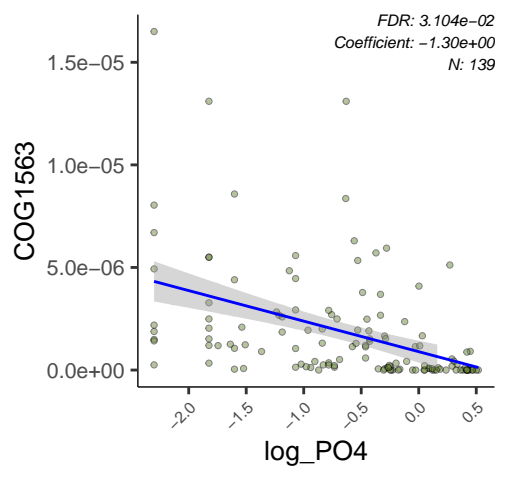
-0.5

0.0

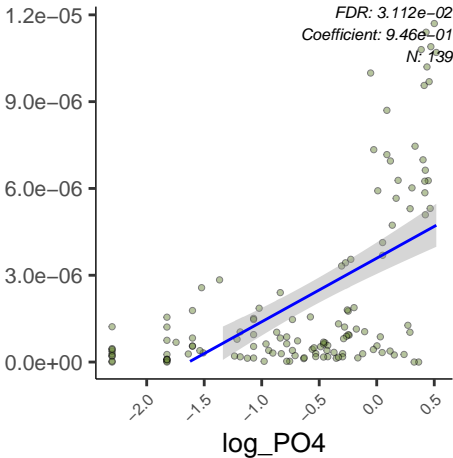
0.5

log_PO4

FDR: 3.104e-02
Coefficient: -1.30e+00
N: 139



COG2162



COG1980

0.00020

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

-0.5

0.0

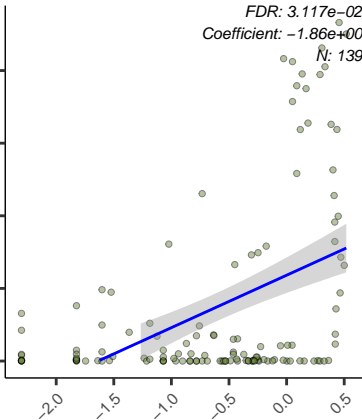
0.5

log_PO4

FDR: $3.117e-02$

Coefficient: $-1.86e+00$

N: 139



COG3490

FDR: 3.125e-02
Coefficient: 7.79e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

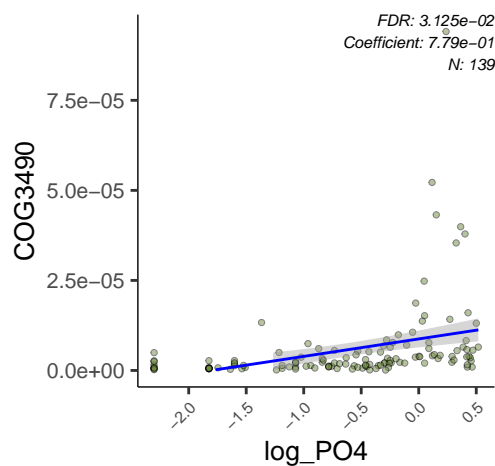
-1.0

-0.5

0.0

0.5

log_PO4



COG3382

FDR: 3.137e-02
Coefficient: 1.28e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

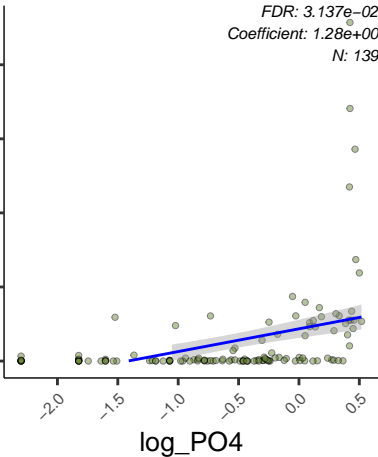
-1.0

-0.5

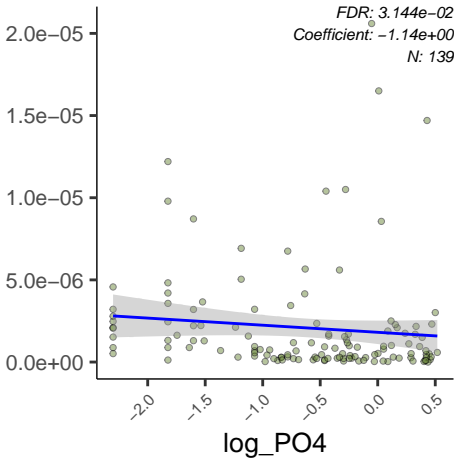
0.0

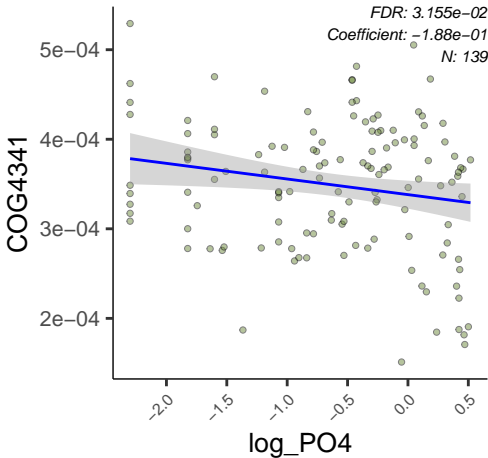
0.5

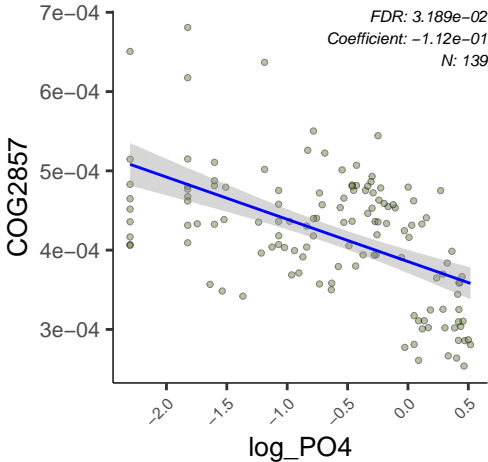
log_PO4



COG3527







COG1158

1e-03

8e-04

6e-04

4e-04

-2.0

-1.5

-1.0

-0.5

0.0

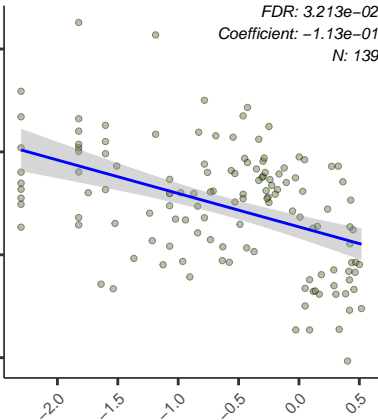
0.5

log_PO4

FDR: 3.213e-02

Coefficient: -1.13e-01

N: 139



COG5379

2.0e-05

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

-1.0

-0.5

0.0

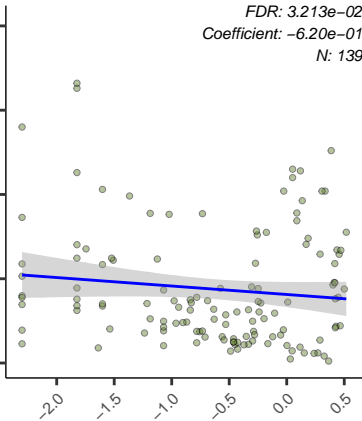
0.5

log_PO4

FDR: 3.213e-02

Coefficient: -6.20e-01

N: 139



COG4104

FDR: 3.229e-02

Coefficient: 7.80e-01

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

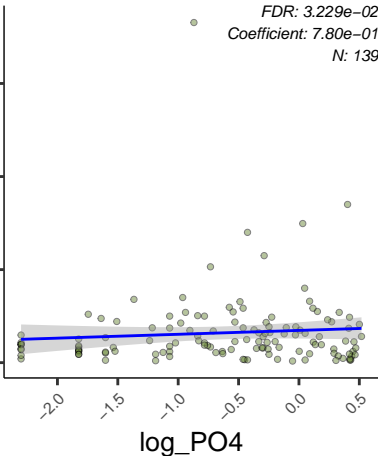
-1.0

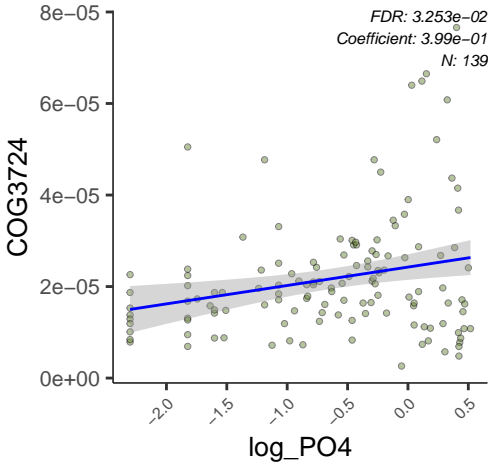
-0.5

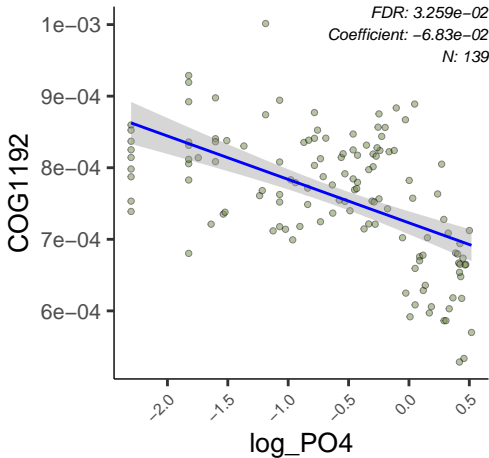
0.0

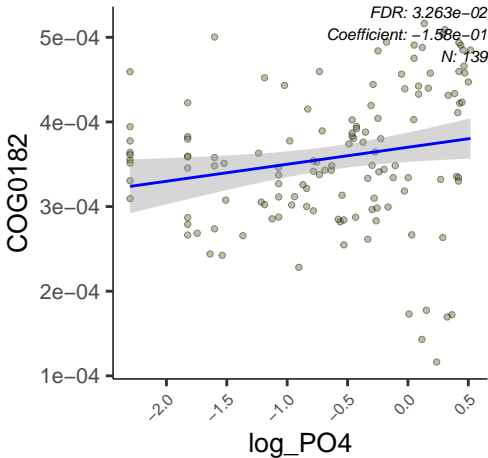
0.5

log_PO4









COG5279

FDR: 3.267e-02
Coefficient: 8.01e-01
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

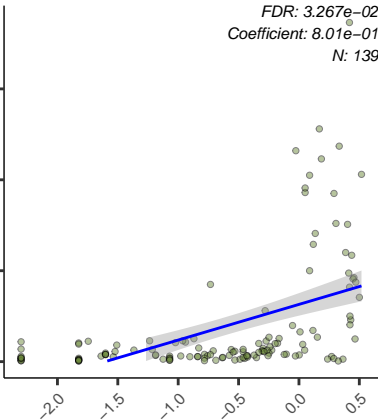
-1.0

-0.5

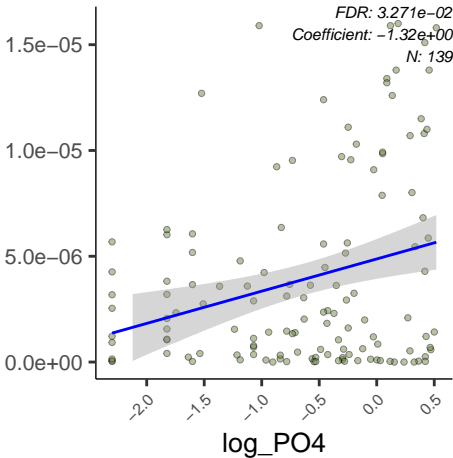
0.0

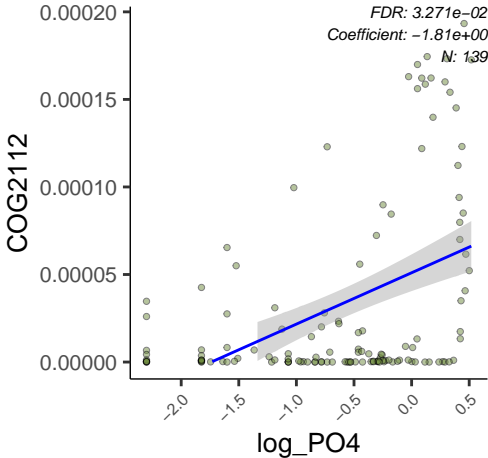
0.5

log_PO4

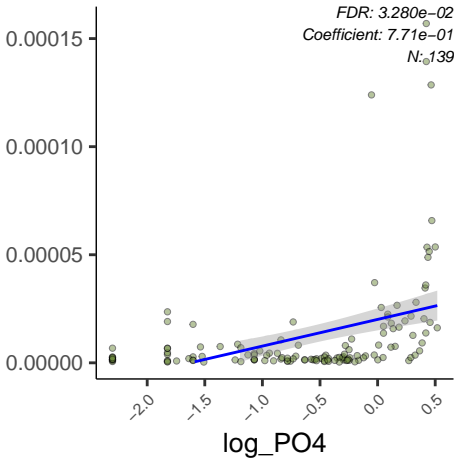


COG2845

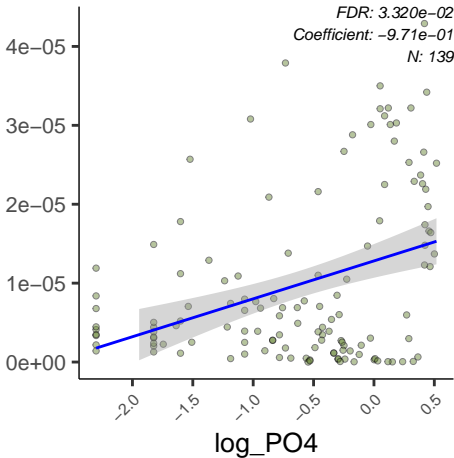


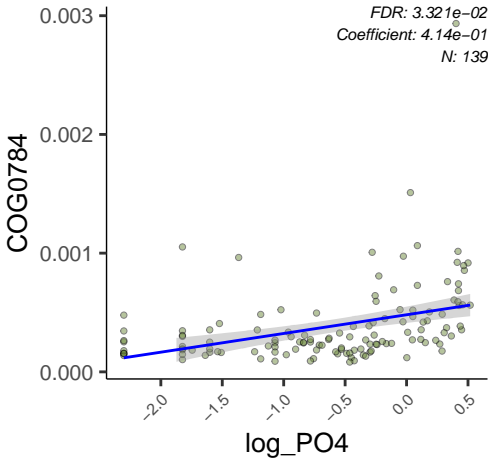


COG3677



COG4759





COG3761

FDR: 3.324e-02
Coefficient: -1.78e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

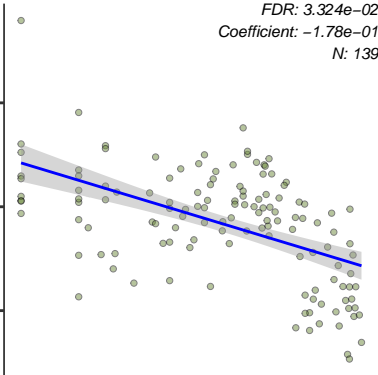
-1.0

-0.5

0.0

0.5

log_PO4



COG0125

FDR: 3.339e-02

Coefficient: -8.17e-02

N: 139

5e-04

4e-04

3e-04

-2.0

-1.5

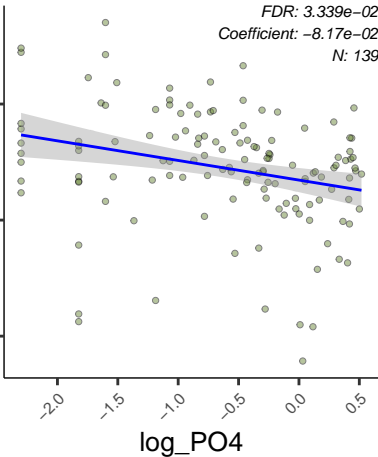
-1.0

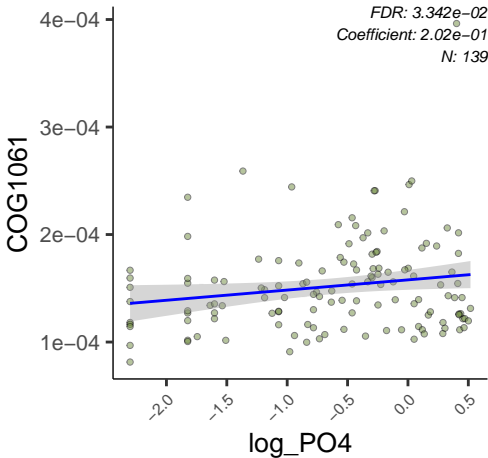
-0.5

0.0

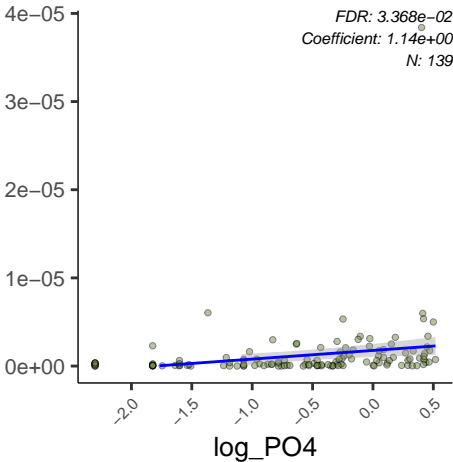
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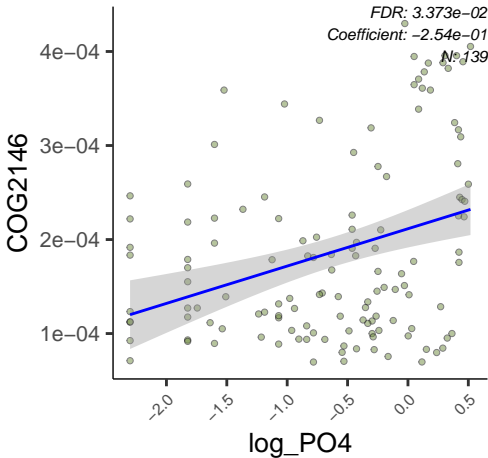
log_PO4





COG4397





COG4875

FDR: 3.409e-02

Coefficient: -6.07e-01

N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

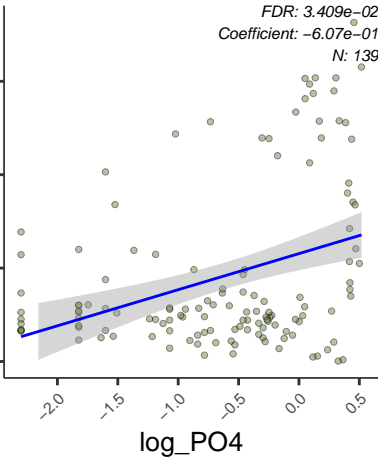
-1.0

-0.5

0.0

0.5

log_PO4



COG0286

FDR: 3.441e-02
Coefficient: 2.57e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

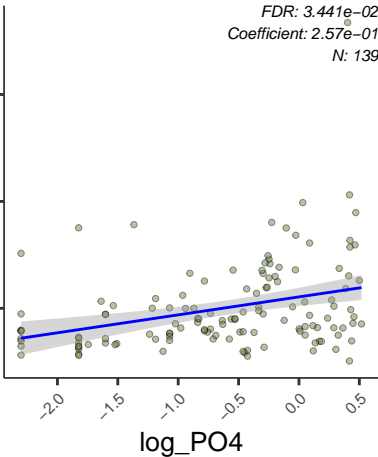
-1.0

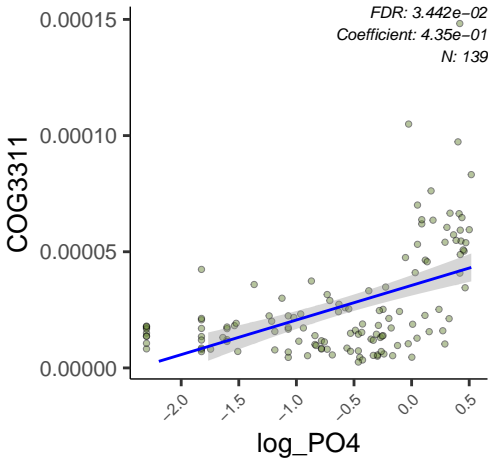
-0.5

0.0

0.5

log_PO4





COG0144

FDR: 3.484e-02

Coefficient: 1.51e-01

N: 139

5e-04

4e-04

3e-04

2e-04

-2.0

-1.5

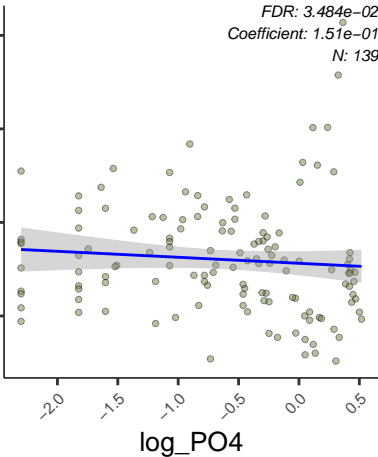
-1.0

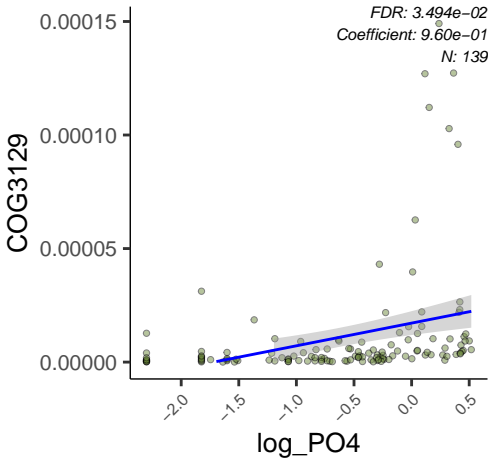
-0.5

0.0

0.5

log_PO4





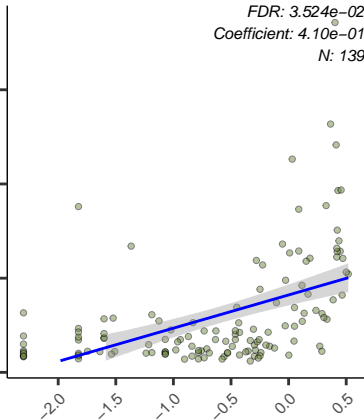
COG2716

FDR: 3.524e-02
Coefficient: 4.10e-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



COG3755

FDR: 3.549e-02

Coefficient: 8.03e-01

N: 139

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

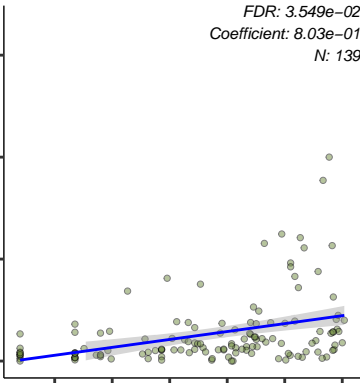
-1.0

-0.5

0.0

0.5

log_PO4



COG4738

FDR: $3.574e-02$
Coefficient: $-1.42e+00$
N: 139

$2.0e-05$

$1.5e-05$

$1.0e-05$

$5.0e-06$

$0.0e+00$

-2.0

-1.5

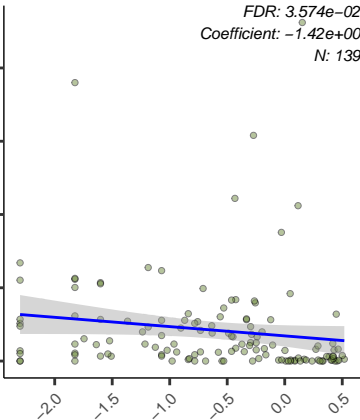
-1.0

-0.5

0.0

0.5

log_PO4



COG1268

FDR: 3.577e-02

Coefficient: -1.26e-01

N: 139

4e-04

3e-04

2e-04

1e-04

-2.0

-1.5

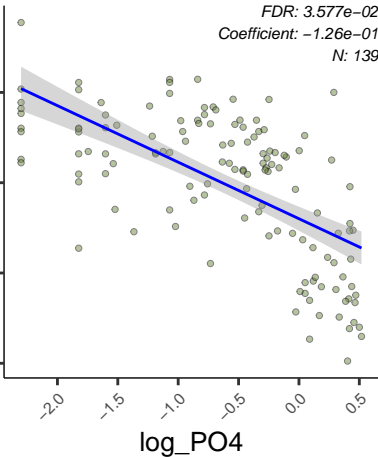
-1.0

-0.5

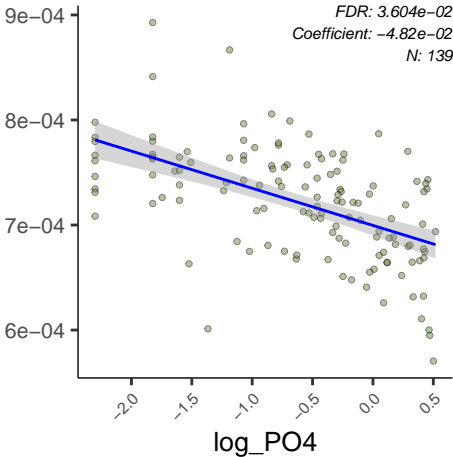
0.0

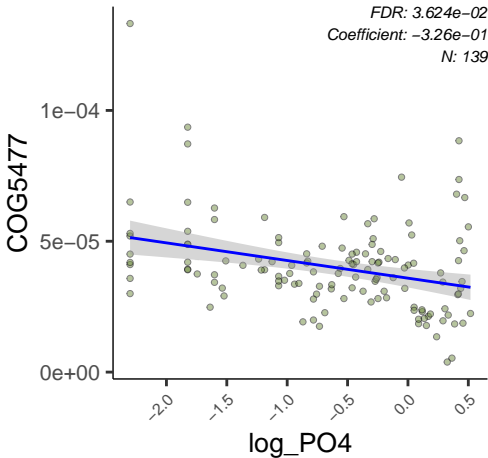
0.5

log_PO4



COG0372





COG1109

FDR: 3.647e-02

Coefficient: -6.01e-02

N: 139

0.0016

0.0014

0.0012

0.0010

-2.0

-1.5

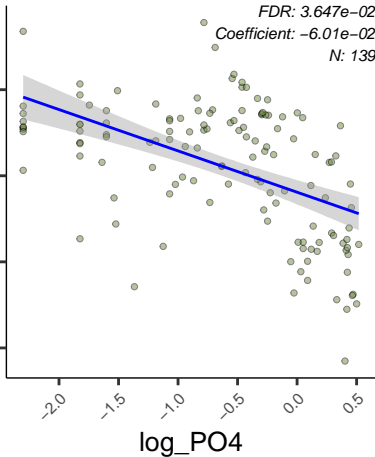
-1.0

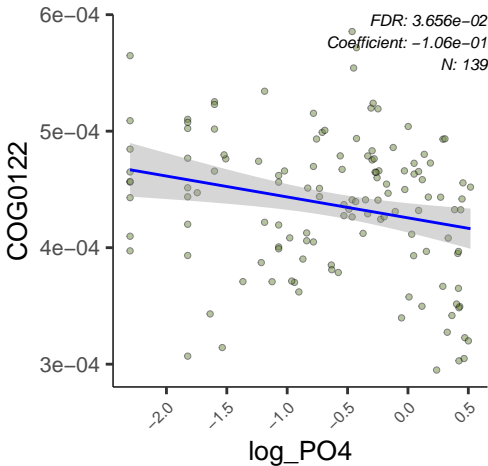
-0.5

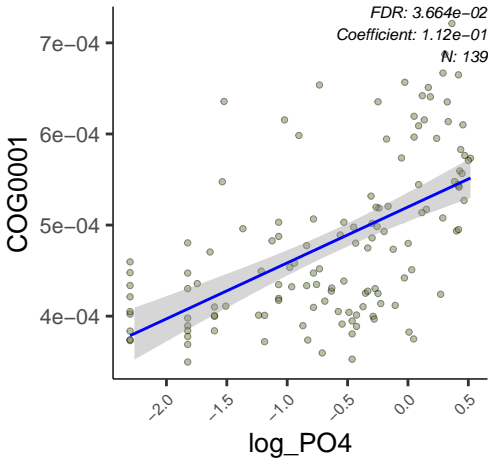
0.0

0.5

log_PO4







COG3721

FDR: 3.684e-02
Coefficient: 1.11e+00
N: 139

3e-06

2e-06

1e-06

0e+00

log_PO4

-2.0

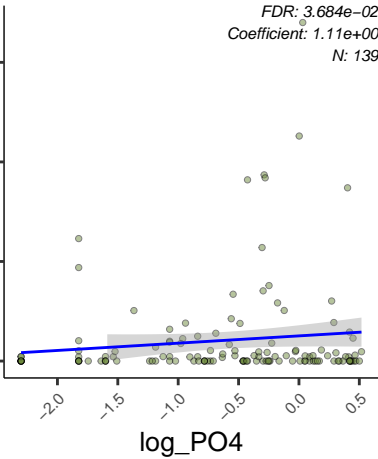
-1.5

-1.0

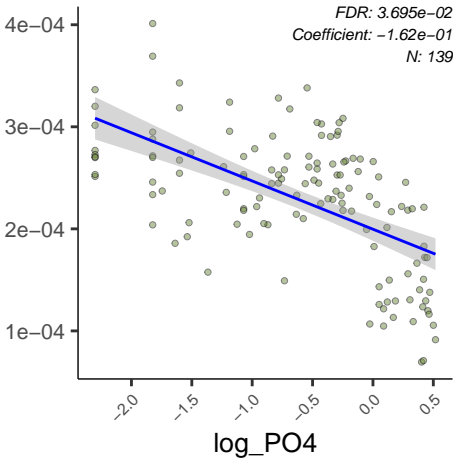
-0.5

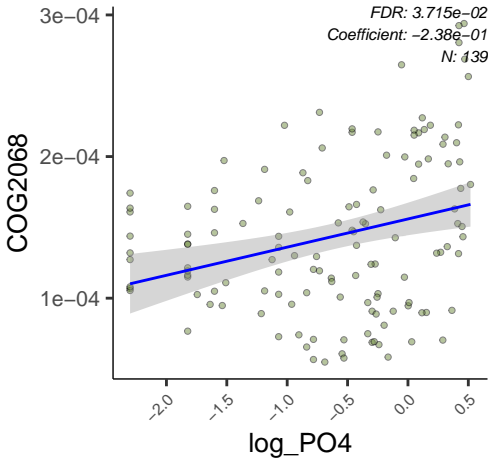
0.0

0.5



COG3820





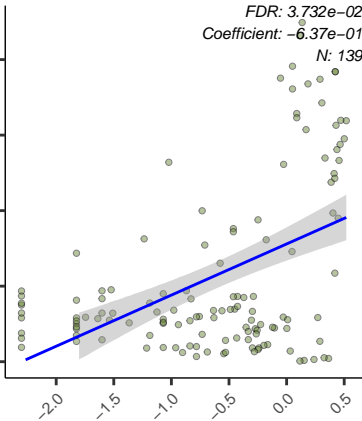
COG1035

0.00020
0.00015
0.00010
0.00005
0.00000

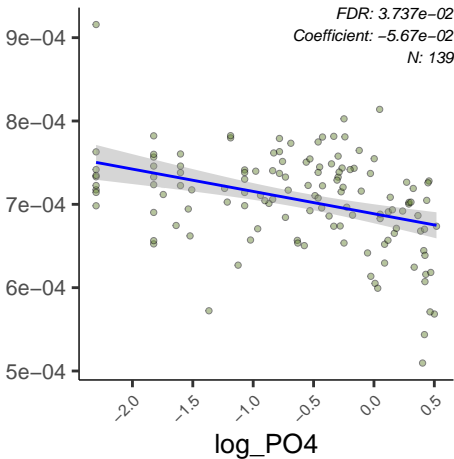
-2.0 -1.5 -1.0 -0.5 0.0 0.5

log_PO4

FDR: 3.732e-02
Coefficient: -6.37e-01
N: 139



COG0533



COG0284

6e-04

5e-04

4e-04

-2.0

-1.5

-1.0

-0.5

0.0

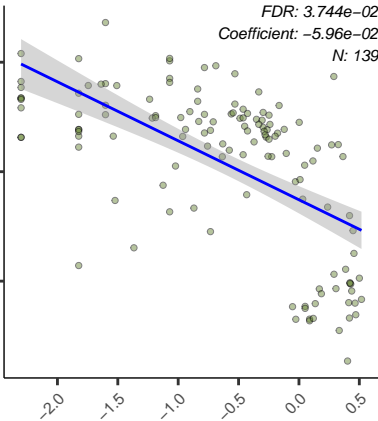
0.5

log_PO4

FDR: 3.744e-02

Coefficient: -5.96e-02

N: 139



COG2270

FDR: 3.776e-02

Coefficient: -1.49e-01

N: 139

6e-04

5e-04

4e-04

3e-04

2e-04

-2.0

-1.5

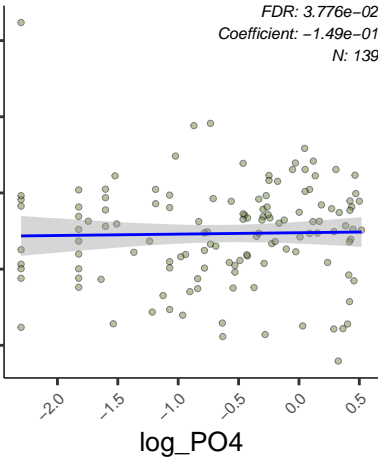
-1.0

-0.5

0.0

0.5

log_PO4



COG5401

FDR: 3.814e-02

Coefficient: -1.19e+00

N: 139

3e-06

2e-06

1e-06

0e+00

-2.0

-1.5

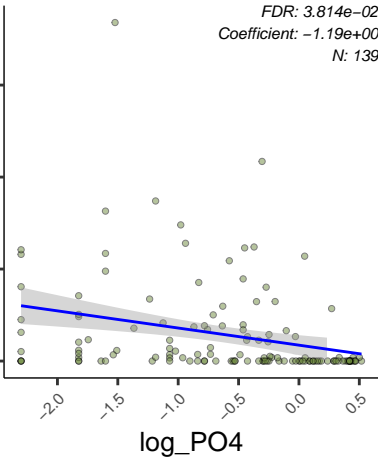
-1.0

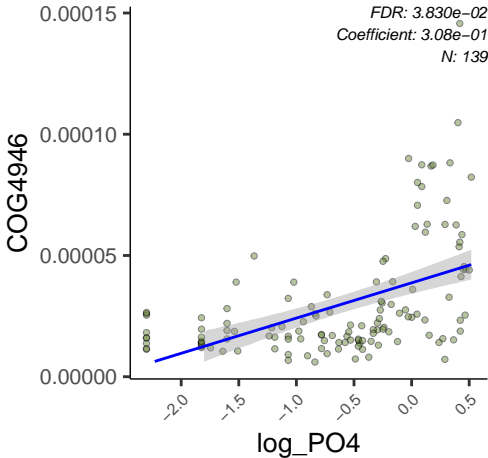
-0.5

0.0

0.5

log_PO4





COG4113

FDR: 3.831e-02
Coefficient: 9.78e-01
N: 139

4e-06

3e-06

2e-06

1e-06

0e+00

-2.0

-1.5

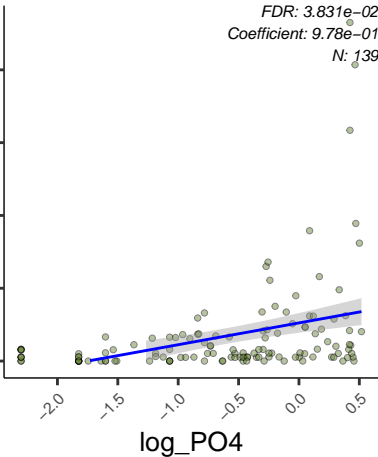
-1.0

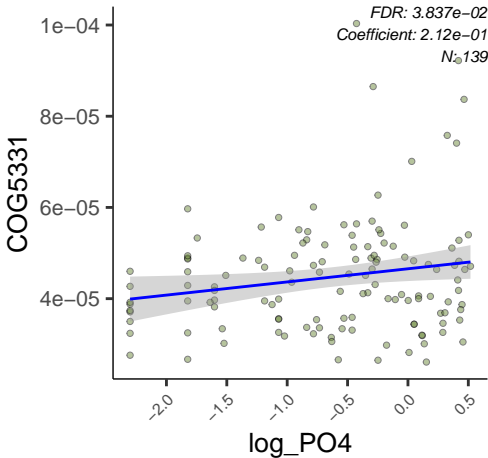
-0.5

0.0

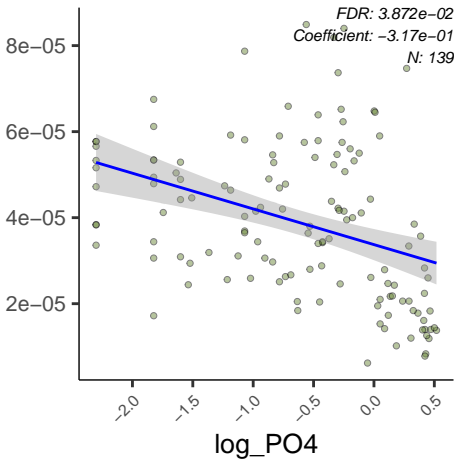
0.5

log_PO4





COG2340



COG4214

FDR: 3.875e-02
Coefficient: 4.63e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

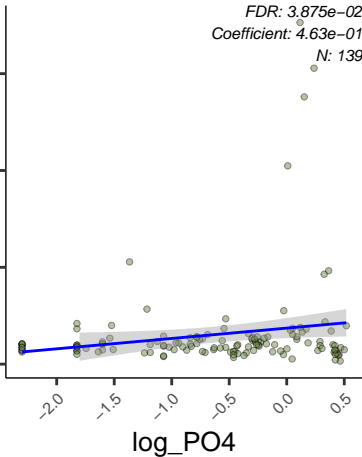
-1.0

-0.5

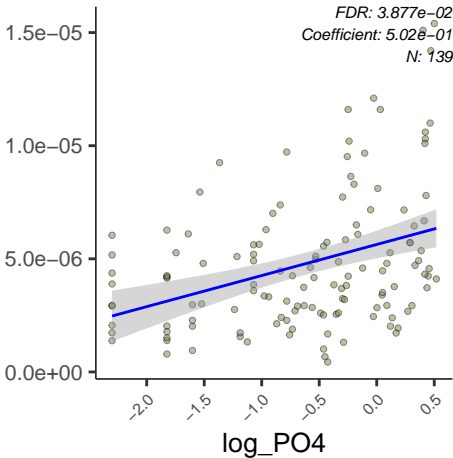
0.0

0.5

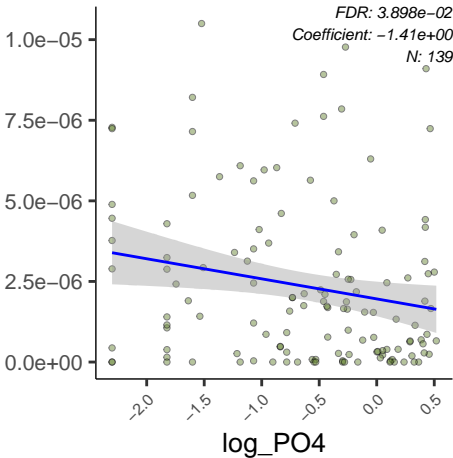
log_PO4

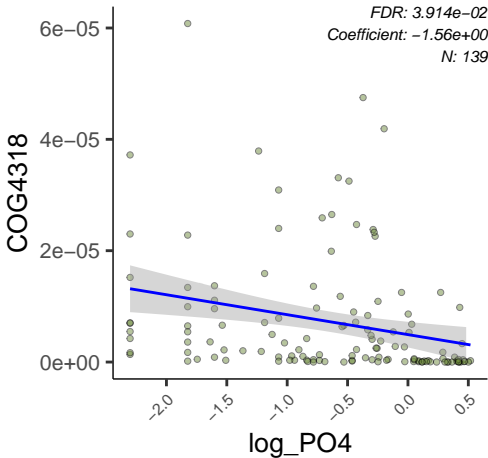


COG4930

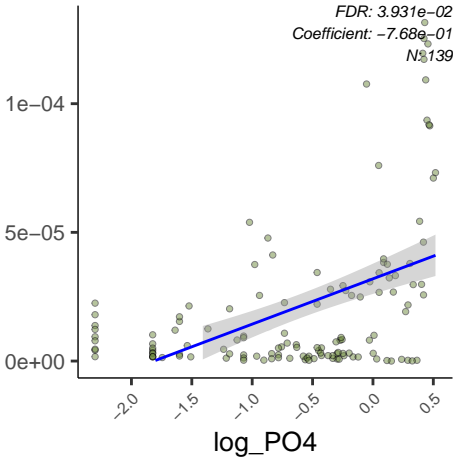


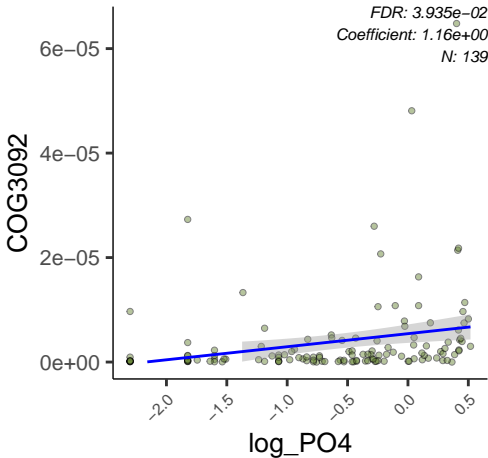
COG5514





COG4912





COG0365

0.0024

0.0020

0.0016

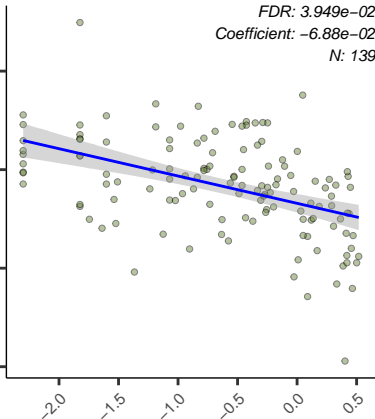
0.0012

log_PO4

FDR: 3.949e-02

Coefficient: -6.88e-02

N: 139



COG4849

FDR: 3.955e-02
Coefficient: 1.14e+00
N: 139

5e-05

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

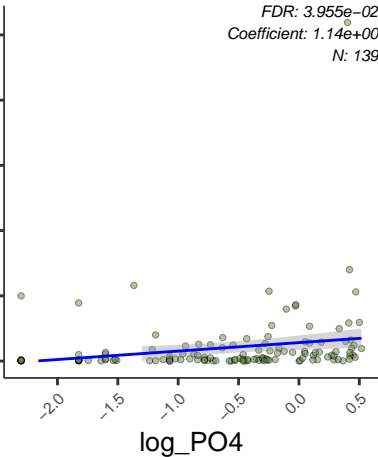
-1.0

-0.5

0.0

0.5

log_PO4



COG3613

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

-1.0

-0.5

0.0

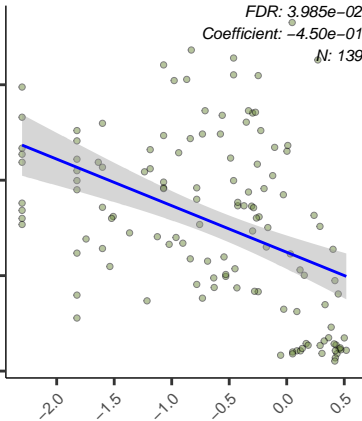
0.5

log_PO4

FDR: 3.985e-02

Coefficient: -4.50e-01

N: 139



COG4807

1e-04

5e-05

0e+00

FDR: 4.018e-02

Coefficient: 7.16e-01

N: 139

-2.0

-1.5

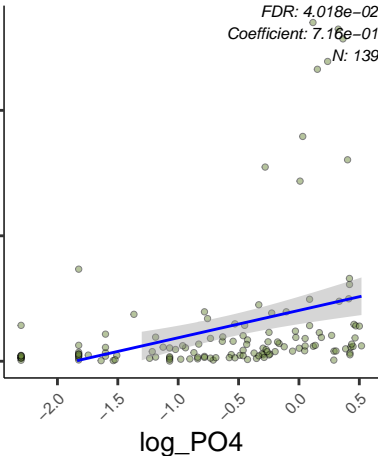
-1.0

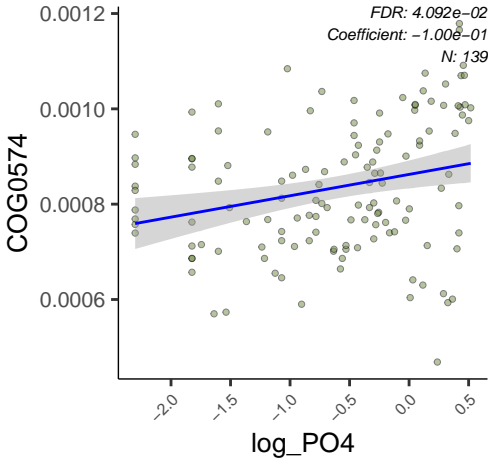
-0.5

0.0

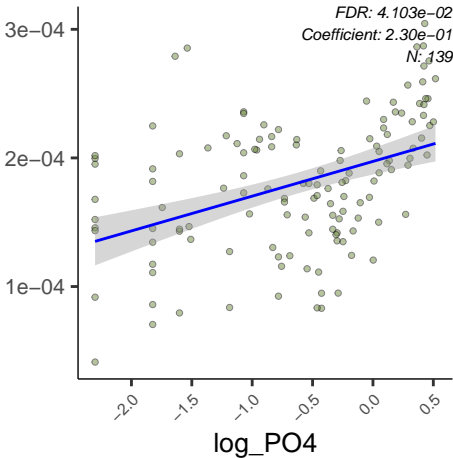
0.5

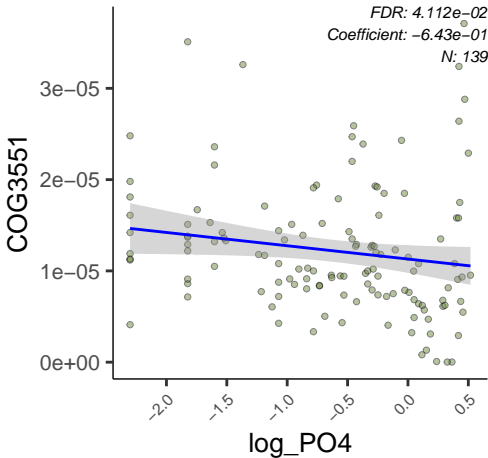
log_PO4

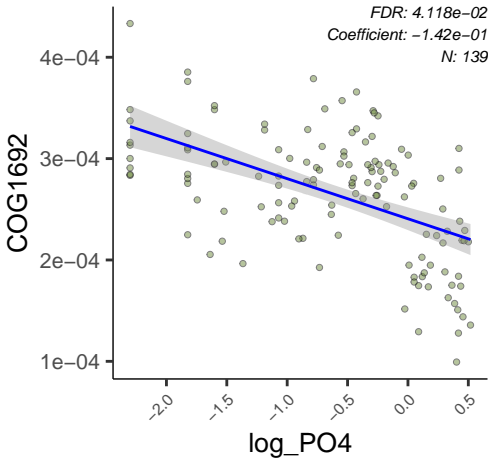




COG0076







COG2824

FDR: 4.121e-02
Coefficient: 7.17e-01
N: 139

0.00025
0.00020
0.00015
0.00010
0.00005
0.00000

-2.0

-1.5

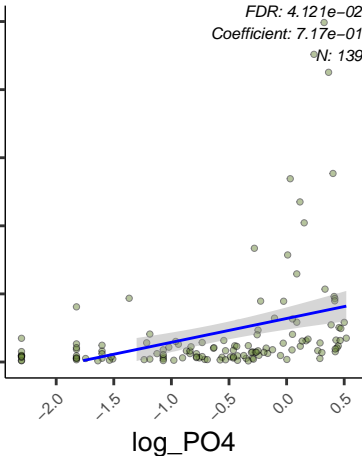
-1.0

-0.5

0.0

0.5

log_PO4



COG2827

FDR: 4.130e-02

Coefficient: 2.72e-01

N: 139

0.00015

0.00010

0.00005

-2.0

-1.5

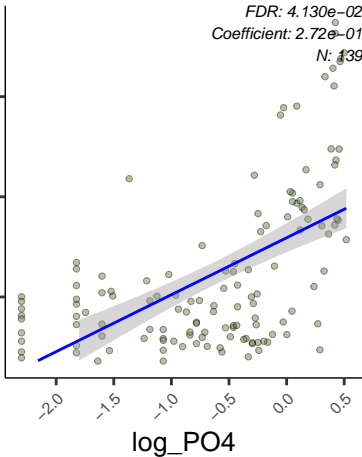
-1.0

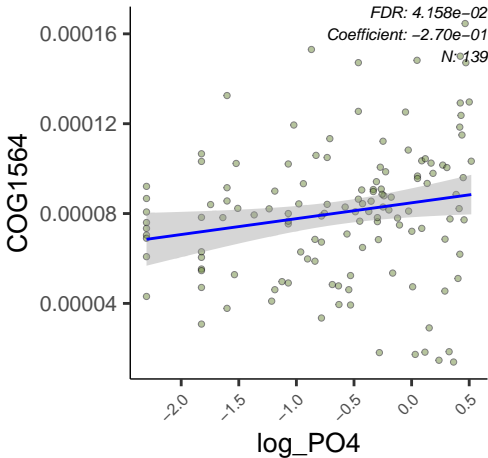
-0.5

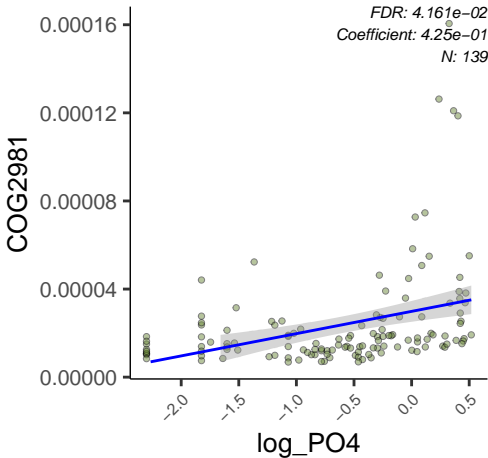
0.0

0.5

log_PO4







COG5405

FDR: 4.170e-02

Coefficient: -1.10e-01

N: 139

5e-04

4e-04

3e-04

2e-04

-2.0

-1.5

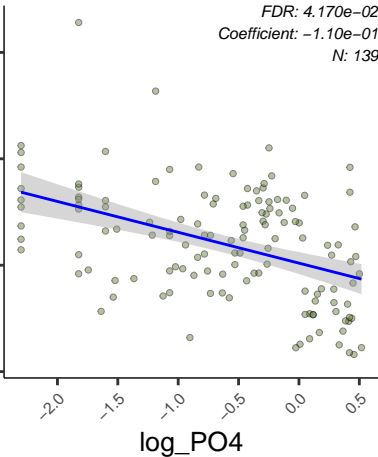
-1.0

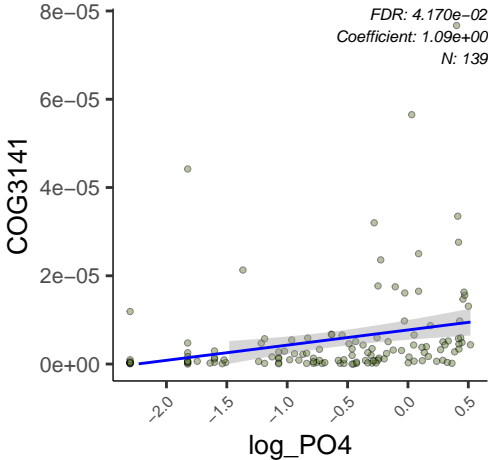
-0.5

0.0

0.5

log_PO4





COG3944

FDR: 4.179e-02
Coefficient: 1.16e+00
N: 139

2.0e-05

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

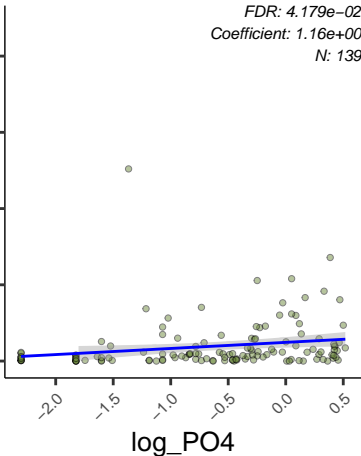
-1.0

-0.5

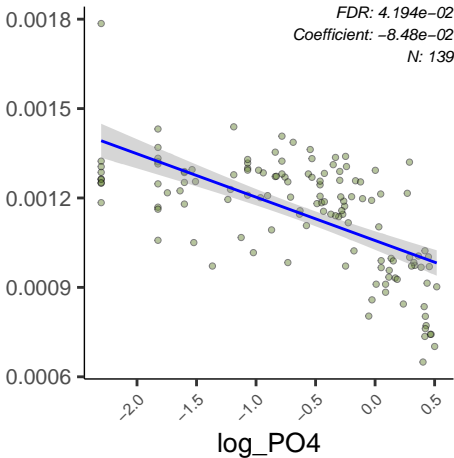
0.0

0.5

log_PO4



COG0492



COG5305

FDR: $4.199\text{e-}02$
Coefficient: $-4.68\text{e-}01$
N: 139

$3\text{e-}05$

$2\text{e-}05$

$1\text{e-}05$

$0\text{e+}00$

-2.0

-1.5

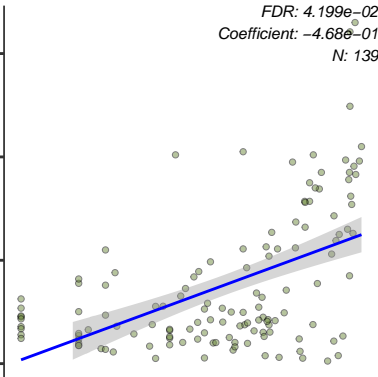
-1.0

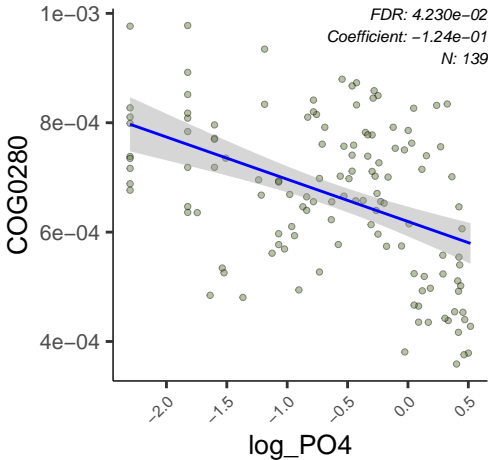
-0.5

0.0

0.5

log_PO4





COG2269

FDR: 4.233e-02
Coefficient: 3.16e-01
N: 139

0.00016

0.00012

0.00008

0.00004

-2.0

-1.5

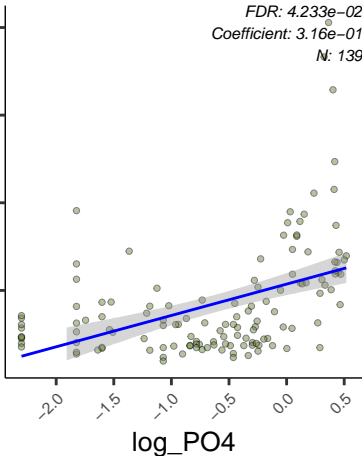
-1.0

-0.5

0.0

0.5

log_PO4



COG1915

0.00020

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

-0.5

0.0

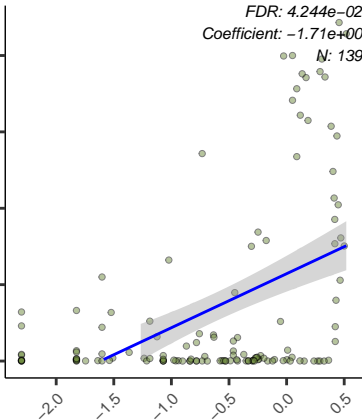
0.5

log_PO4

FDR: 4.244e-02

Coefficient: -1.71e+00

N: 139



COG2059

FDR: 4.254e-02

Coefficient: -3.88e-01

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

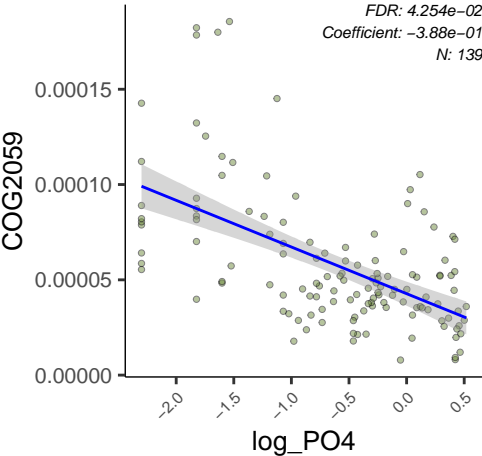
-1.0

-0.5

0.0

0.5

log_PO4



COG3379

FDR: 4.279e-02
Coefficient: 9.25e-01
N: 139

1e-04

5e-05

0e+00

-2.0

-1.5

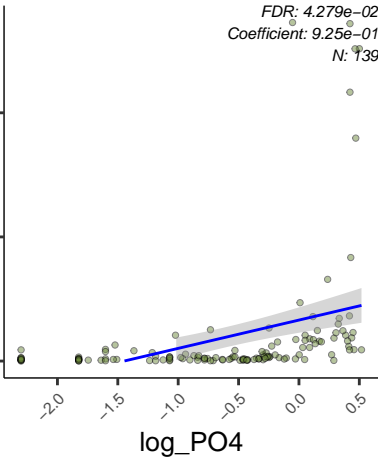
-1.0

-0.5

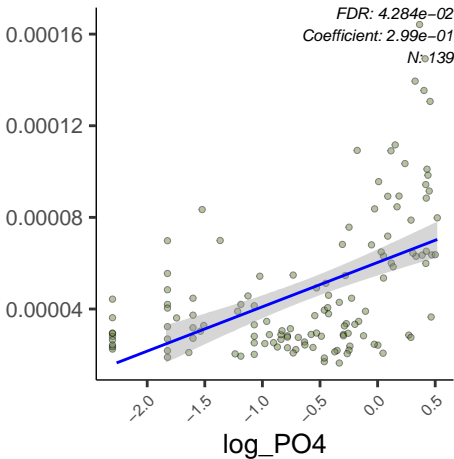
0.0

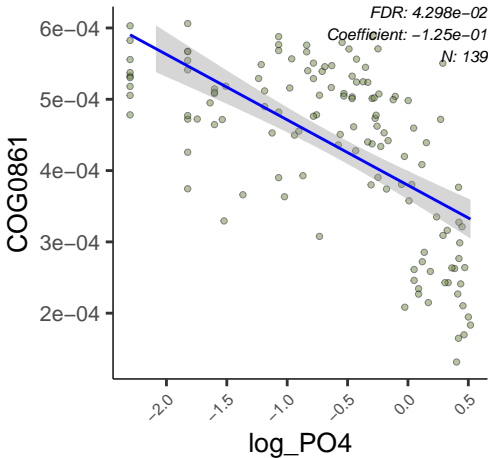
0.5

log_PO4



COG4148





COG1937

0.00020
0.00015
0.00010
0.00005

-2.0

-1.5

-1.0

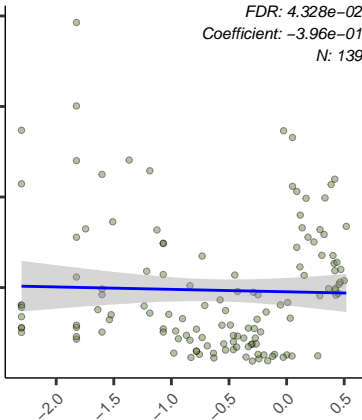
-0.5

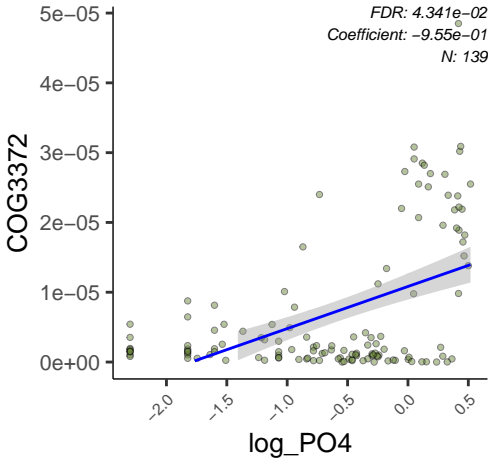
0.0

0.5

log_PO4

FDR: 4.328e-02
Coefficient: -3.96e-01
N: 139





COG2312

FDR: 4.362e-02
Coefficient: 7.12e-01
N: 139

9e-06
6e-06
3e-06
0e+00

-2.0

-1.5

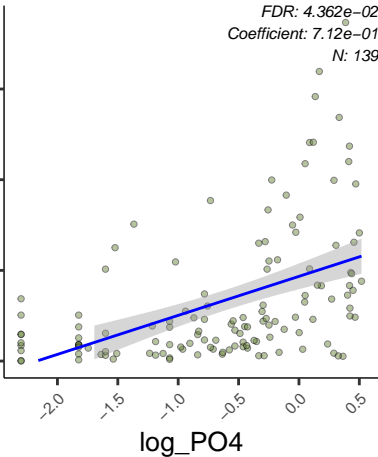
-1.0

-0.5

0.0

0.5

log_PO4



COG3706

FDR: $4.362e-02$
Coefficient: $3.83e-01$
N: 139

$1e-03$

$5e-04$

$0e+00$

-2.0

-1.5

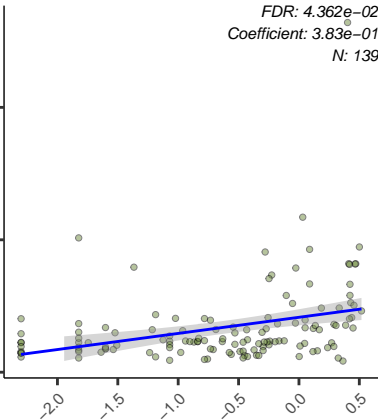
-1.0

-0.5

0.0

0.5

log_PO4



COG0054

5e-04

4e-04

3e-04

-2.0

-1.5

-1.0

-0.5

0.0

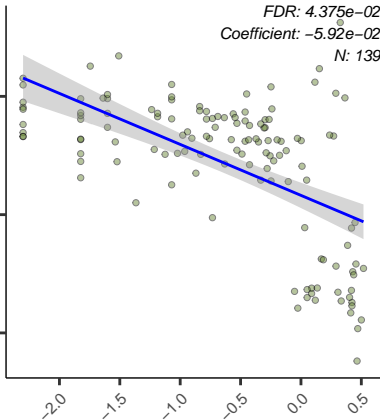
0.5

log_PO4

FDR: 4.375e-02

Coefficient: -5.92e-02

N: 139



COG3180

3e-04

2e-04

1e-04

-2.0

-1.5

-1.0

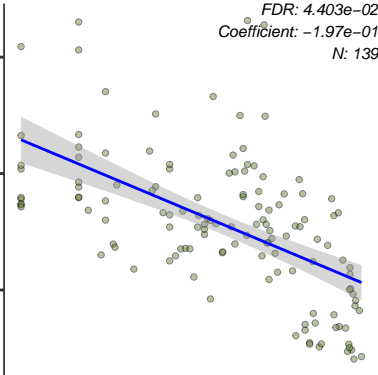
-0.5

0.0

0.5

log_PO4

FDR: 4.403e-02
Coefficient: -1.97e-01
N: 139



COG0499

1e-03

8e-04

6e-04

-2.0

-1.5

-1.0

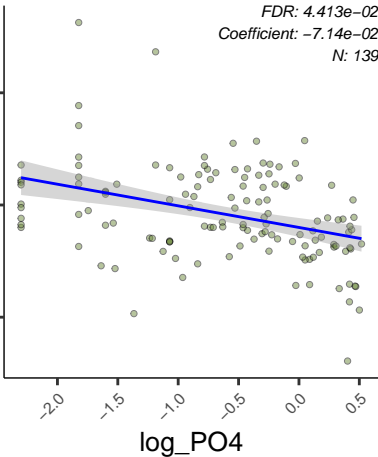
-0.5

0.0

0.5

log_PO4

FDR: 4.413e-02
Coefficient: -7.14e-02
N: 139



COG4293

FDR: 4.414×10^{-2}

Coefficient: -1.05×10^0

N: 139

9×10^{-5}

6×10^{-5}

3×10^{-5}

0×10^0

-2.0

-1.5

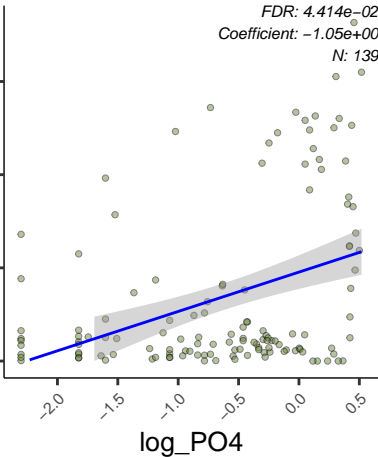
-1.0

-0.5

0.0

0.5

log_PO4



COG4945

FDR: 4.414e-02

Coefficient: -1.32e+00

N: 139

8e-05

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

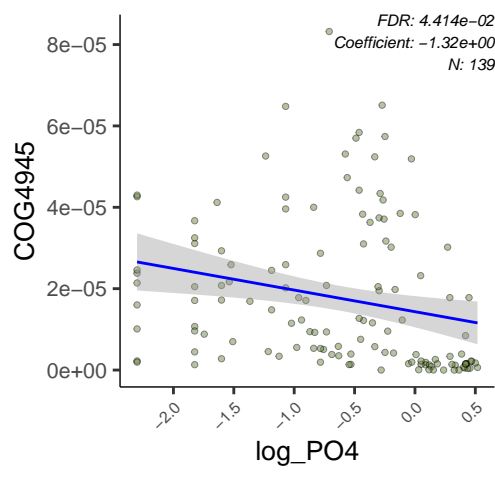
-1.0

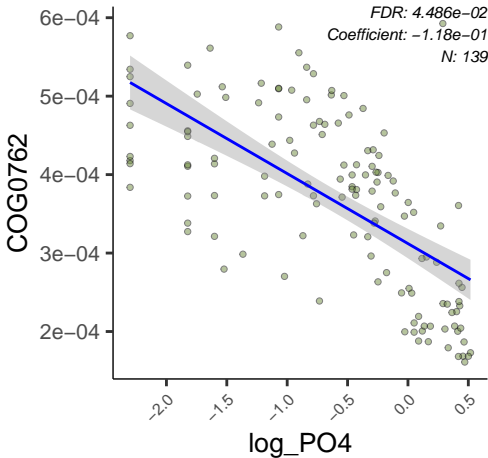
-0.5

0.0

0.5

log_PO4





COG4626

FDR: 4.497e-02
Coefficient: 6.94e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

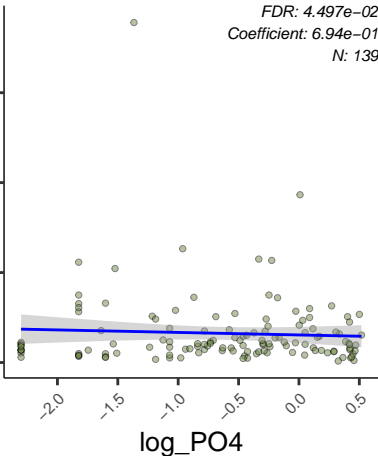
-1.0

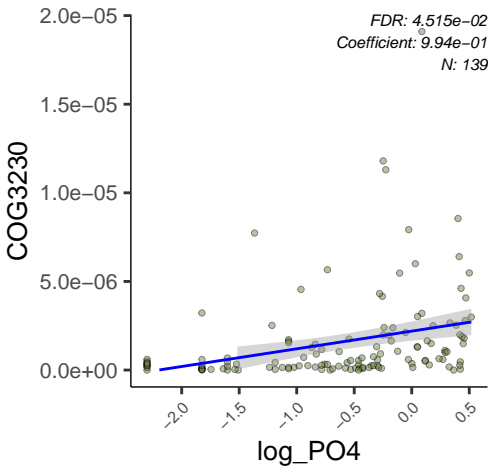
-0.5

0.0

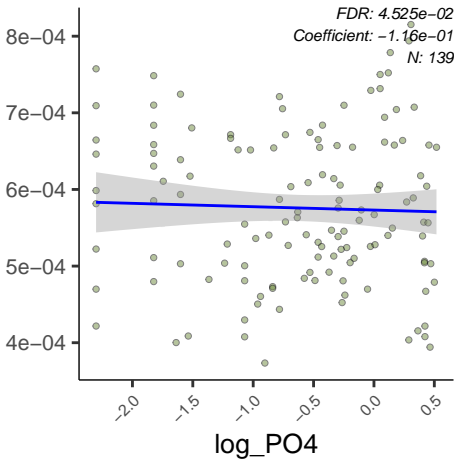
0.5

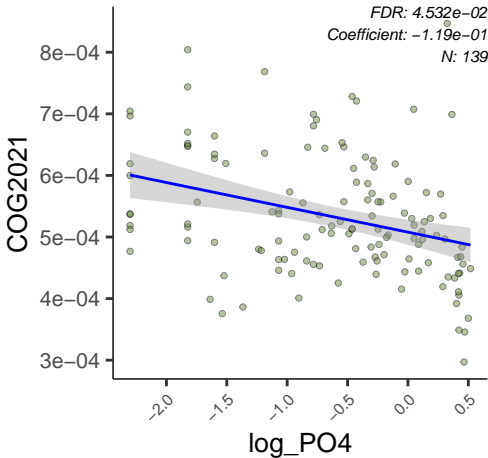
log_PO4



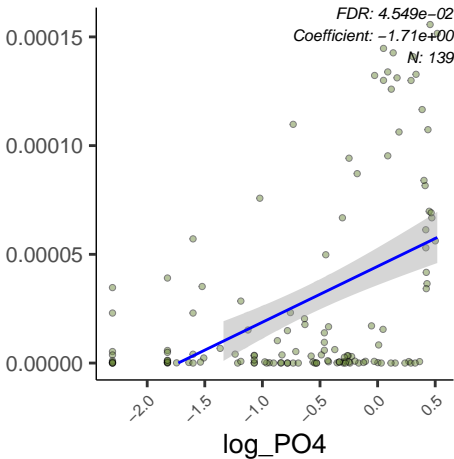


COG1454





COG1675



COG3059

FDR: 4.555e-02

Coefficient: 9.58e-01

N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

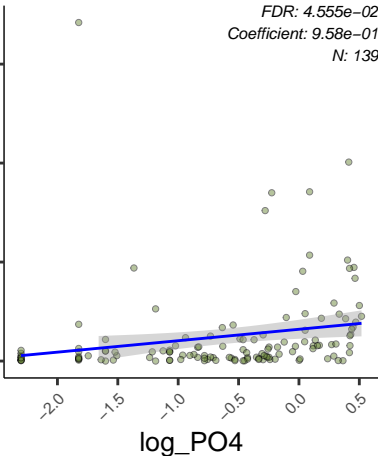
-1.0

-0.5

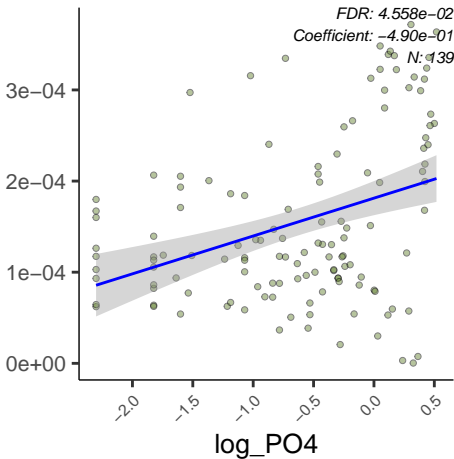
0.0

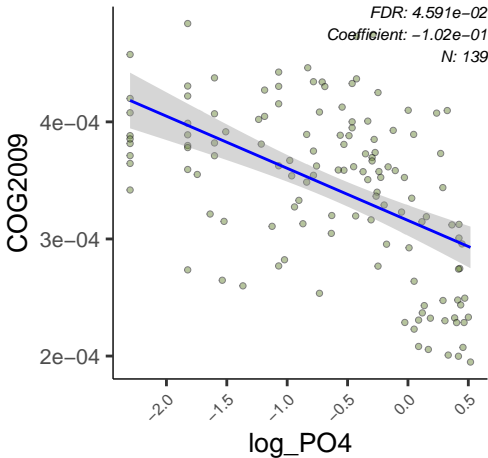
0.5

log_PO4



COG3276





COG2380

FDR: 4.606e-02

Coefficient: -1.24e+00

N: 139

4e-06

3e-06

2e-06

1e-06

0e+00

-2.0

-1.5

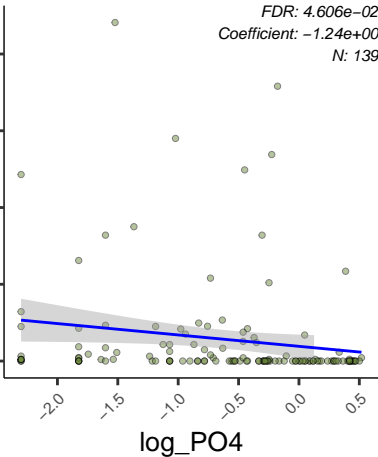
-1.0

-0.5

0.0

0.5

log_PO4



COG4943

FDR: 4.634e-02
Coefficient: 1.08e+00
N: 139

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

-2.0

-1.5

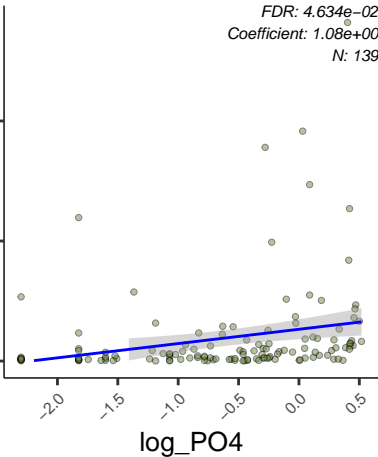
-1.0

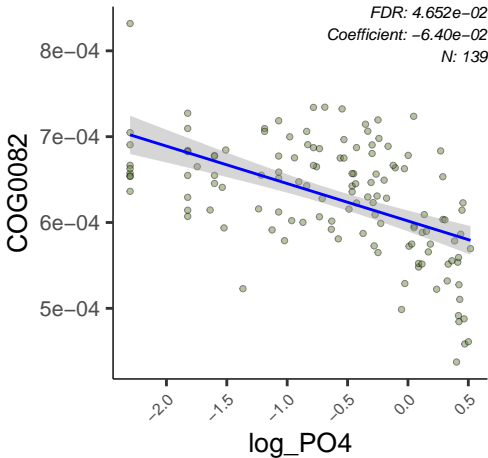
-0.5

0.0

0.5

log_PO4





COG4845

FDR: 4.680e-02
Coefficient: 1.04e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

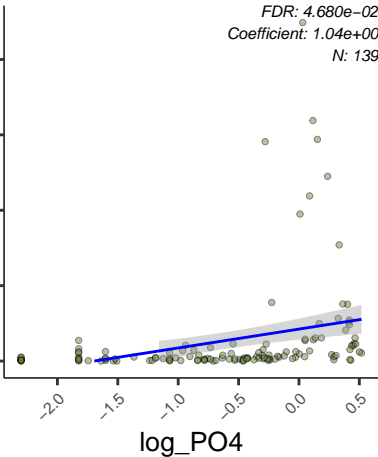
-1.0

-0.5

0.0

0.5

log_PO4



COG3148

FDR: 4.700e-02
Coefficient: 8.74e-01
N: 139

0.00020

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

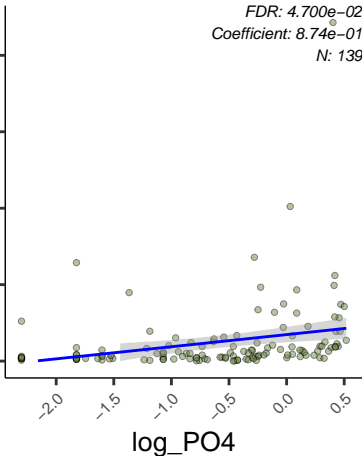
-1.0

-0.5

0.0

0.5

log_PO4



COG2918

FDR: 4.710e-02
Coefficient: 2.18e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

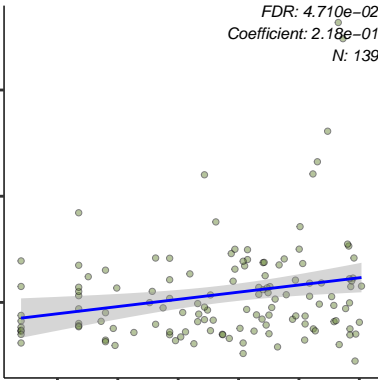
-1.0

-0.5

0.0

0.5

log_PO4



COG0674

1e-03

5e-04

0e+00

-2.0

-1.5

-1.0

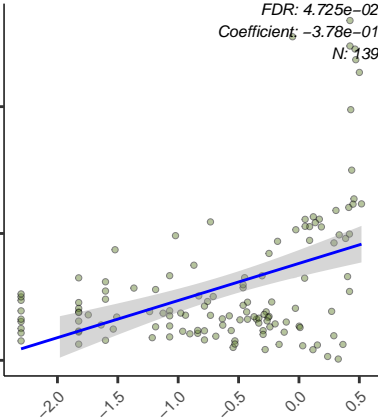
-0.5

0.0

0.5

log_PO4

FDR: 4.725e-02
Coefficient: -3.78e-01
N: 139



COG3656

FDR: 4.789e-02
Coefficient: 8.51e-01
N: 139

4e-05

2e-05

0e+00

-2.0

-1.5

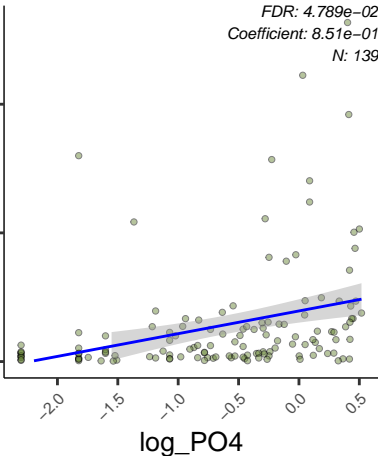
-1.0

-0.5

0.0

0.5

log_PO4



COG0197

$6e-04$

$5e-04$

$4e-04$

-2.0

-1.5

-1.0

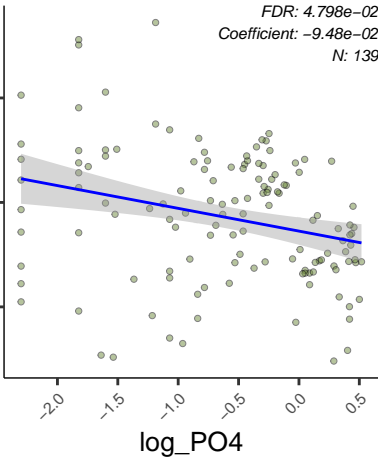
-0.5

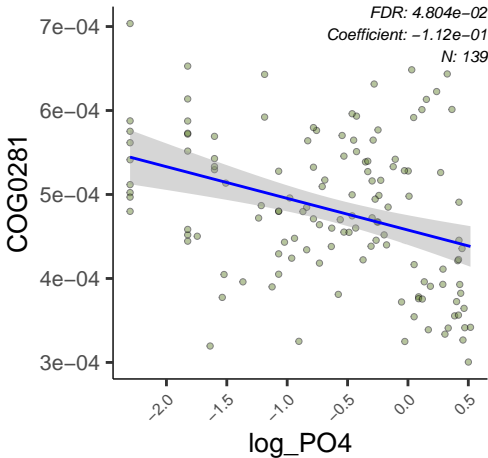
0.0

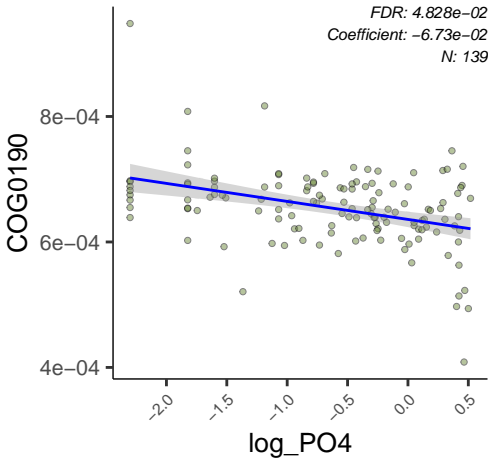
0.5

log_PO4

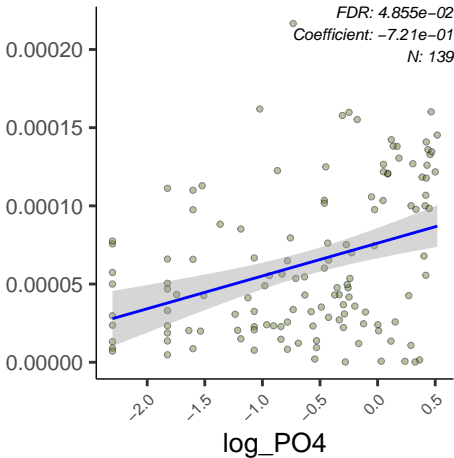
FDR: $4.798e-02$
Coefficient: $-9.48e-02$
N: 139

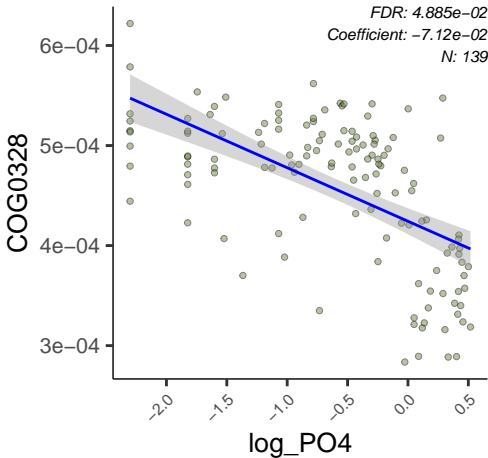






COG0214





COG3610

FDR: 4.895e-02
Coefficient: 1.04e+00
N: 139

8e-05

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

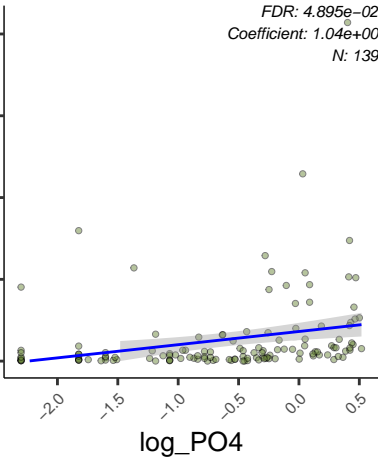
-1.0

-0.5

0.0

0.5

log_PO4



COG3184

FDR: 4.896e-02
Coefficient: 1.22e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

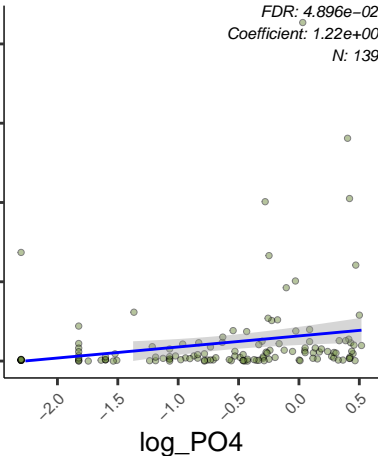
-1.0

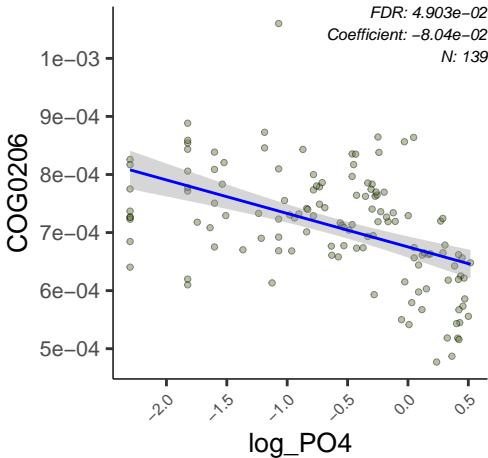
-0.5

0.0

0.5

log_PO4





COG0429

FDR: 4.907e-02

Coefficient: 3.34e-01

N: 139

2e-04

1e-04

-2.0

-1.5

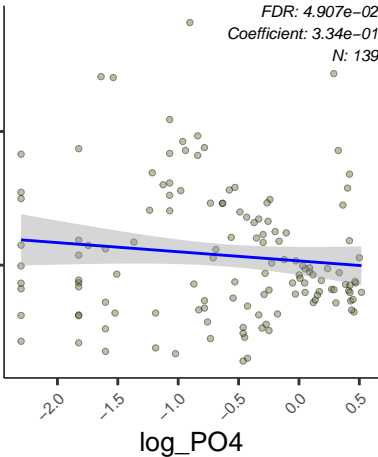
-1.0

-0.5

0.0

0.5

log_PO4



COG4860

1e-05

5e-06

0e+00

-2.0

-1.5

-1.0

-0.5

0.0

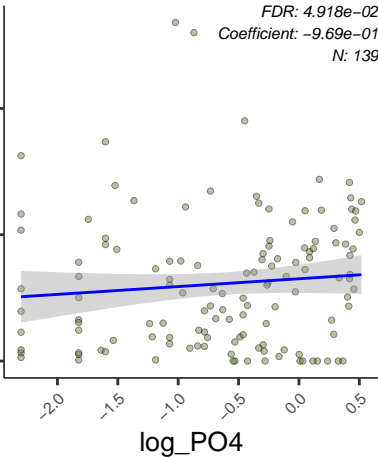
0.5

log_PO4

FDR: 4.918e-02

Coefficient: -9.69e-01

N: 139



COG2202

FDR: 4.919e-02
Coefficient: 4.78e-01
N: 139

0.0015

0.0010

0.0005

0.0000

-2.0

-1.5

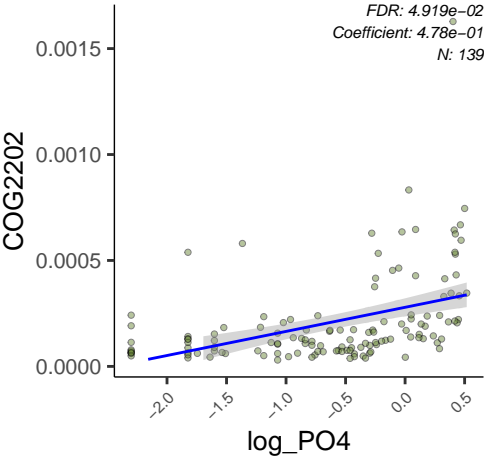
-1.0

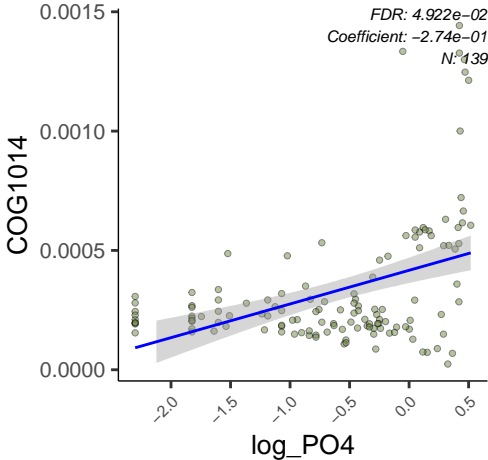
-0.5

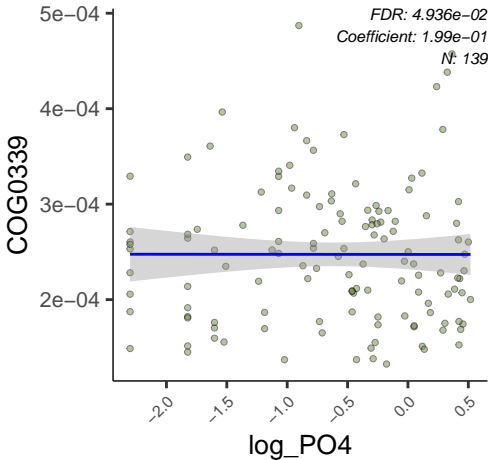
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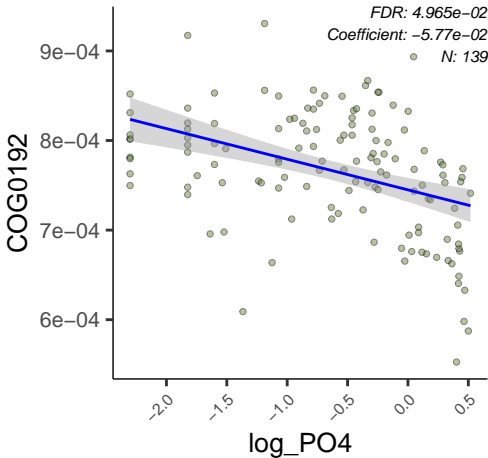
0.5

log_PO4

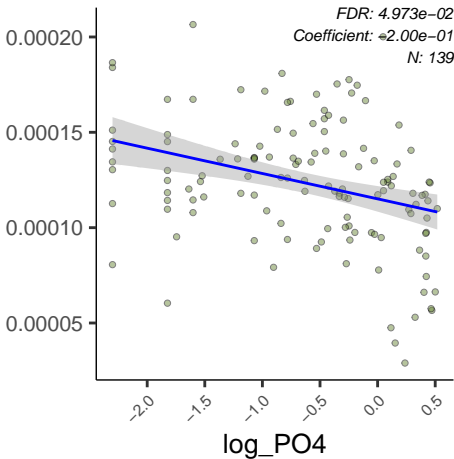








COG2376



COG0119

FDR: 4.975e-02

Coefficient: -6.62e-02

N: 139

0.00175

0.00150

0.00125

-2.0

-1.5

-1.0

-0.5

0.0

0.5

log_PO4

