

COG1117

FDR: 4.369e-14

Coefficient: -6.29e-01

N: 139

6e-04

4e-04

2e-04

0e+00

-2.0

-1.5

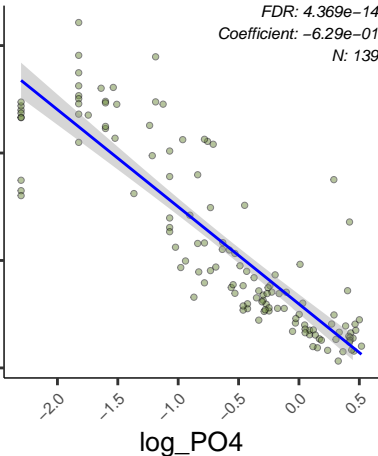
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-0.5

0.0

0.5

log_PO4



COG0226

0.00075

0.00050

0.00025

0.00000

-2.0

-1.5

-1.0

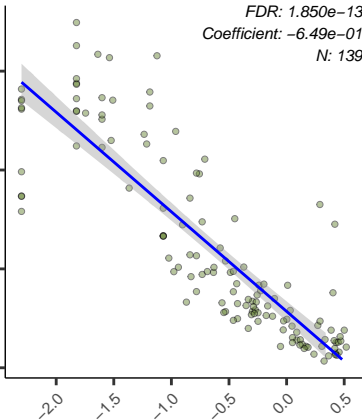
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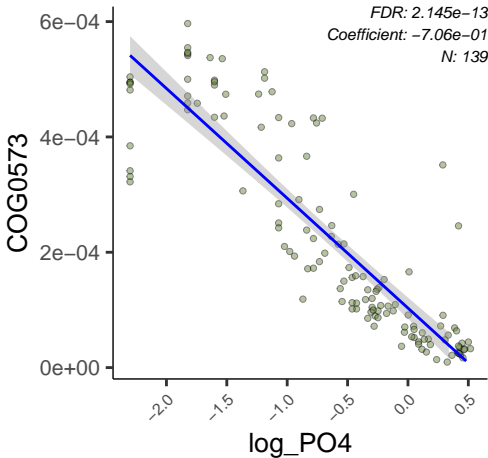
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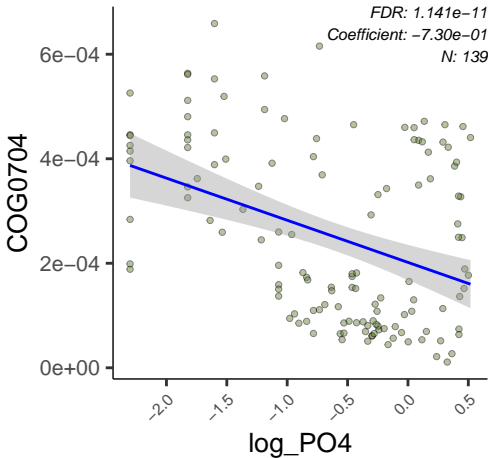
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log_PO4

FDR: 1.850e-13
Coefficient: -6.49e-01
N: 139







COG0394

FDR: 3.511e-09

Coefficient: -2.17e-01

N: 139

6e-04

5e-04

4e-04

3e-04

2e-04

-2.0

-1.5

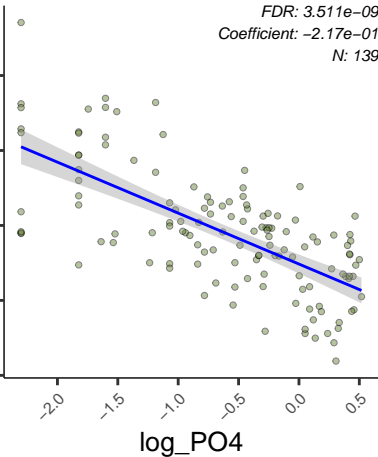
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-0.5

0.0

0.5

log_PO4



COG3655

FDR: 1.234e-08
Coefficient: 7.11e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

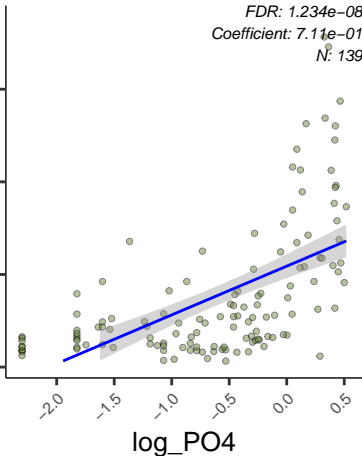
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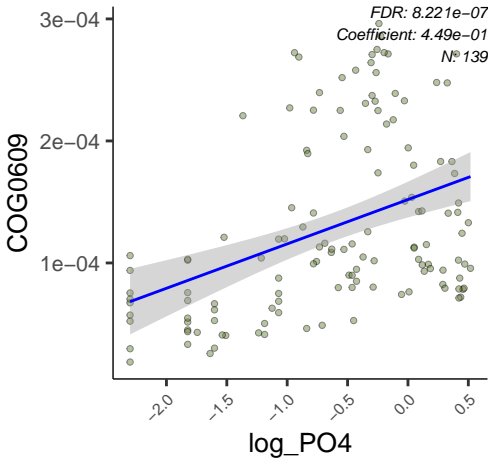
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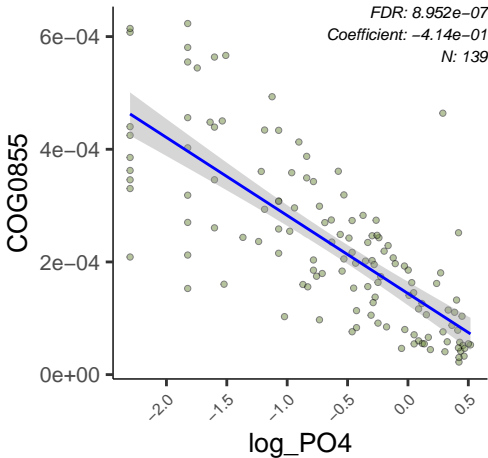
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log_PO4







COG4558

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

-0.5

0.0

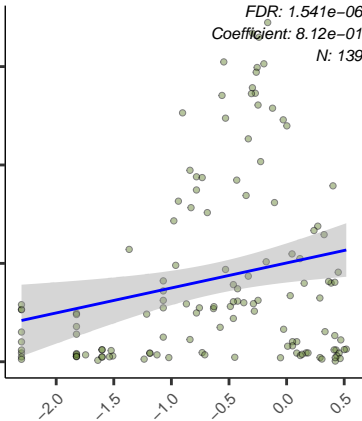
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log_PO4

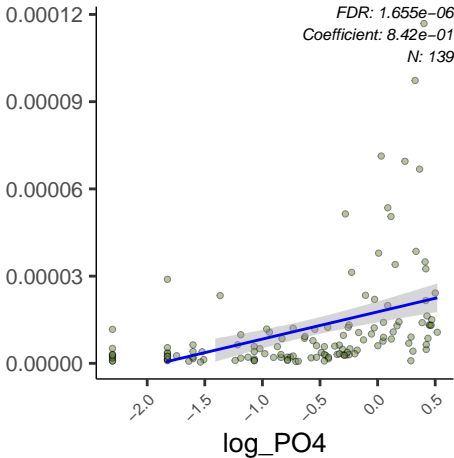
FDR: 1.541e-06

Coefficient: 8.12e-01

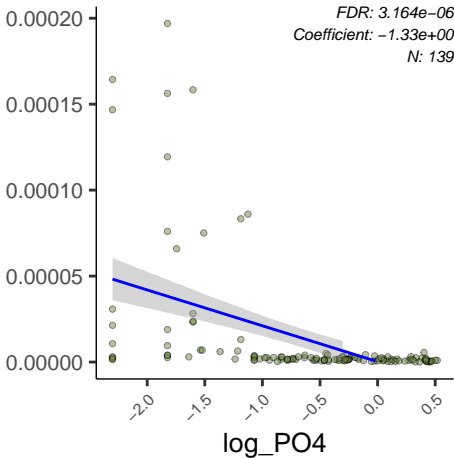
N: 139



COG3530



COG3624



COG3625

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

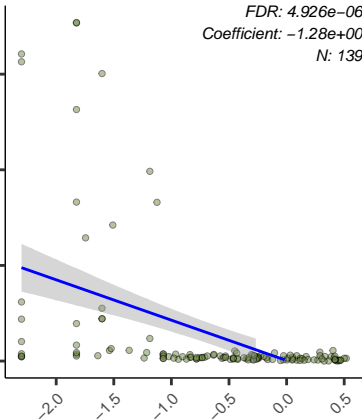
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0.0

0.5

log_PO4

FDR: 4.926e-06
Coefficient: -1.28e+00
N: 139



COG2375

FDR: 7.510e-06

Coefficient: 6.17e-01

N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

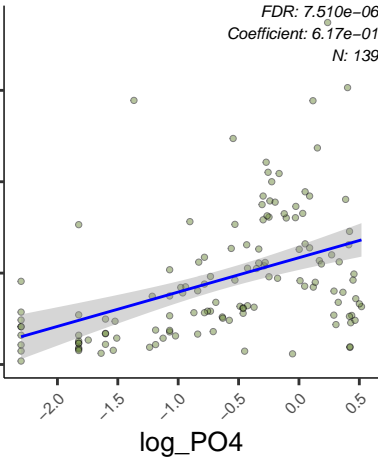
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-0.5

0.0

0.5

log_PO4



COG0306

FDR: 8.378e-06
Coefficient: 2.39e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

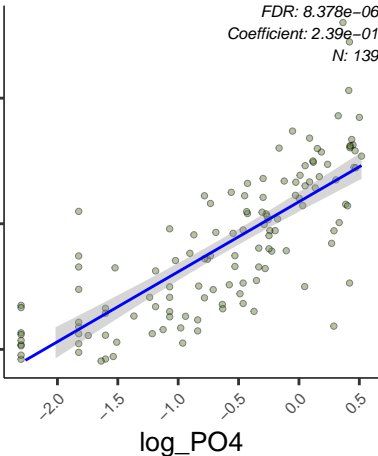
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0.0

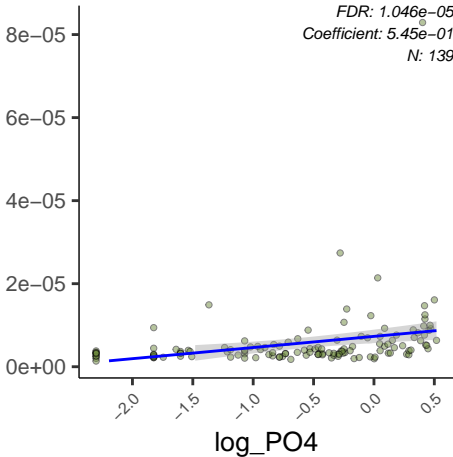
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log_PO4



COG3886

FDR: 1.046e-05
Coefficient: 5.45e-01
N: 139



COG0103

6e-04

5e-04

4e-04

-2.0

-1.5

-1.0

-0.5

0.0

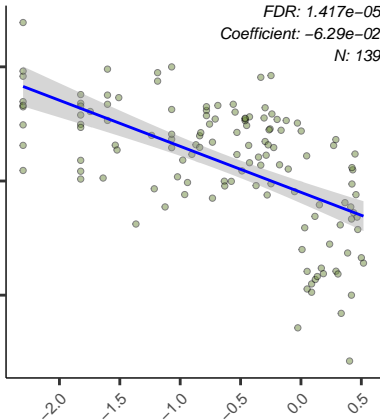
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log_PO4

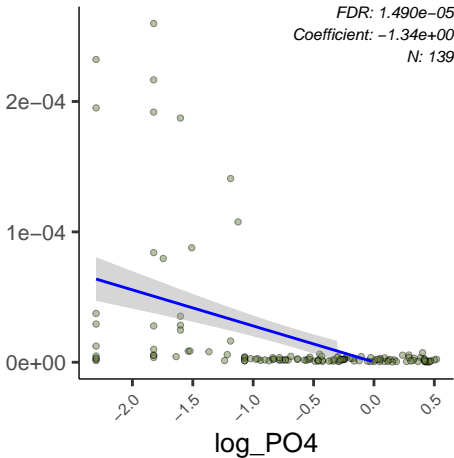
FDR: 1.417e-05

Coefficient: -6.29e-02

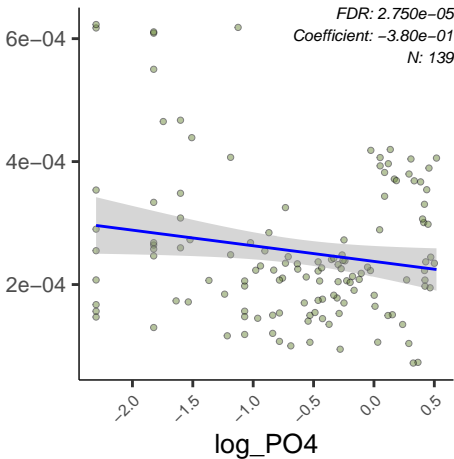
N: 139



COG4107



COG3639



COG4682

FDR: 3.483e-05
Coefficient: 1.13e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

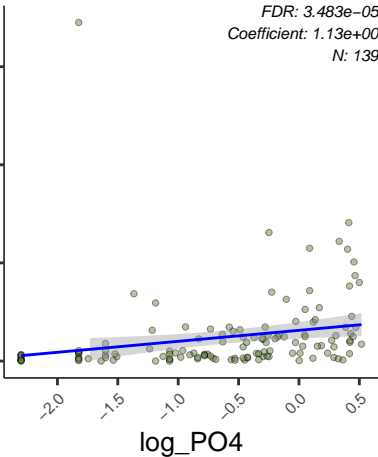
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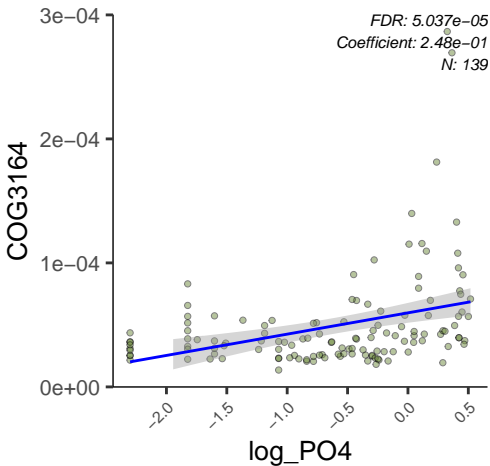
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0.0

0.5

log_PO4





COG4559

FDR: 5.791e-05

Coefficient: 7.11e-01

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

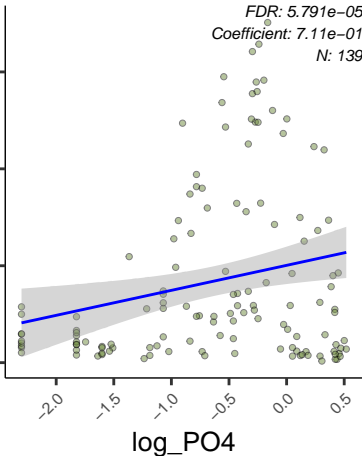
-1.0

-0.5

0.0

0.5

log_PO4



COG3454

FDR: 6.141e-05

Coefficient: -1.06e+00

N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

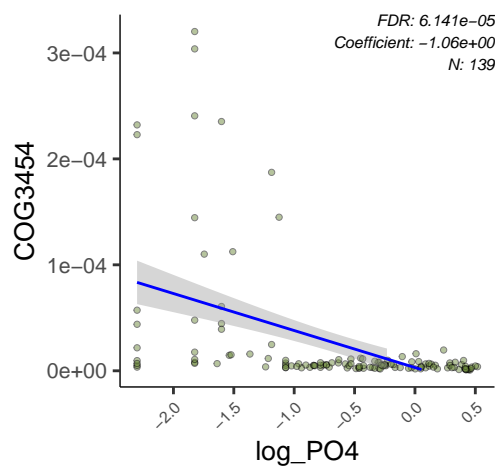
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-0.5

0.0

0.5

log_PO4



COG1392

FDR: 6.902e-05

Coefficient: 4.03e-01

N: 139

2e-04

1e-04

0e+00

-2.0

-1.5

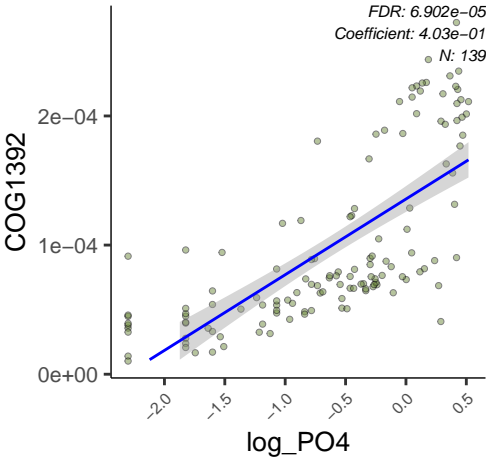
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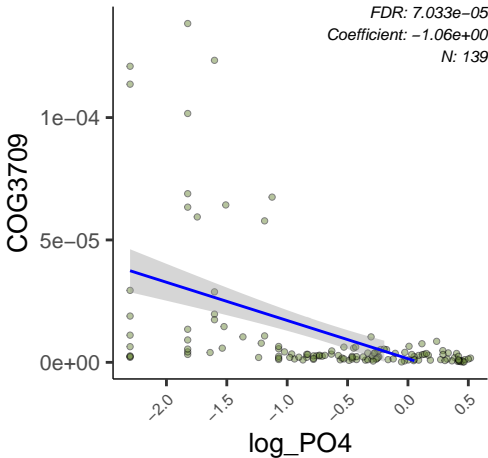
-0.5

0.0

0.5

log_PO4





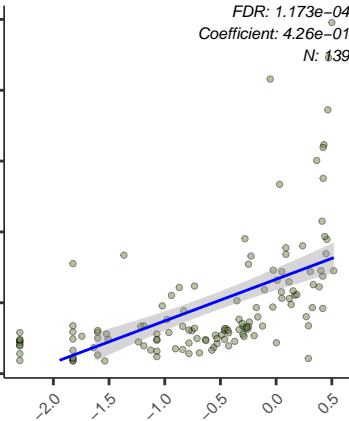
COG1887

0.000125
0.000100
0.000075
0.000050
0.000025
0.000000

-2.0 -1.5 -1.0 -0.5 0.0 0.5

log_PO4

FDR: 1.173e-04
Coefficient: 4.26e-01
N: 139



COG3182

FDR: 1.182e-04
Coefficient: 6.48e-01
N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

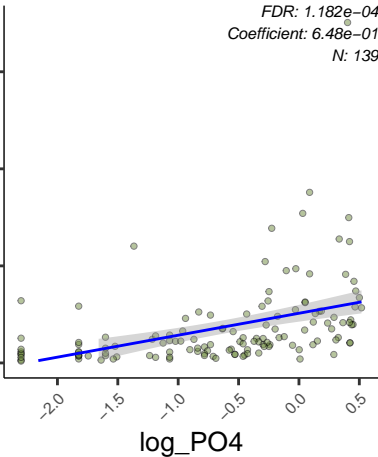
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-0.5

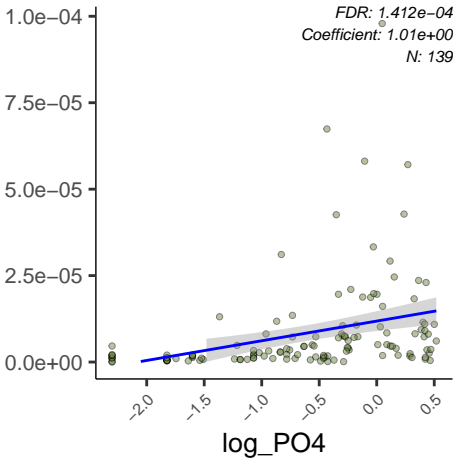
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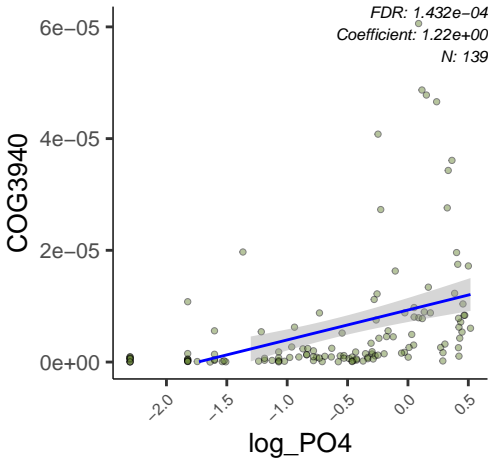
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log_PO4

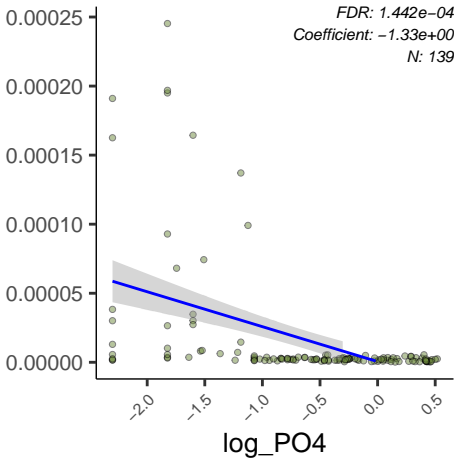


COG3489





COG3627



COG4263

FDR: 2.099e-04
Coefficient: 1.02e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

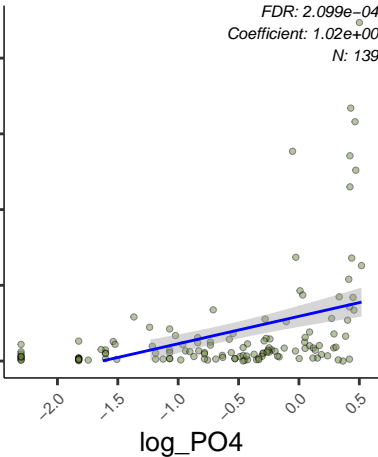
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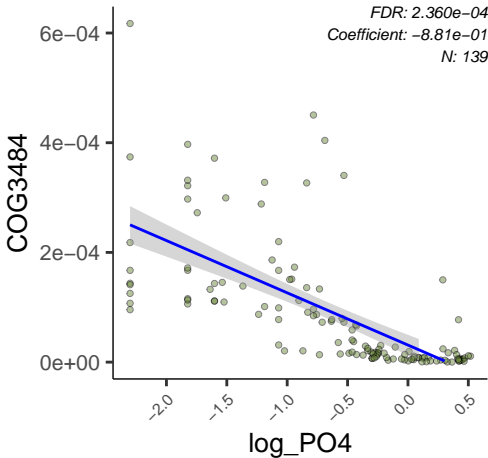
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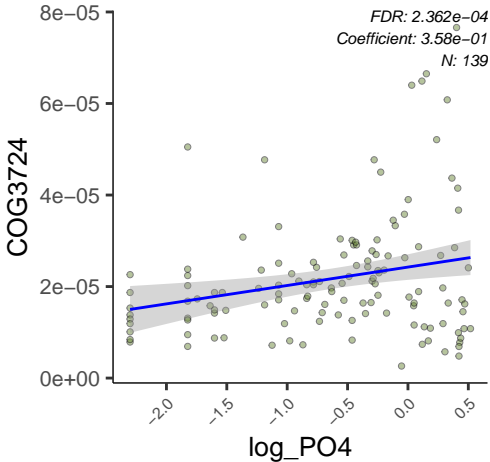
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0.5

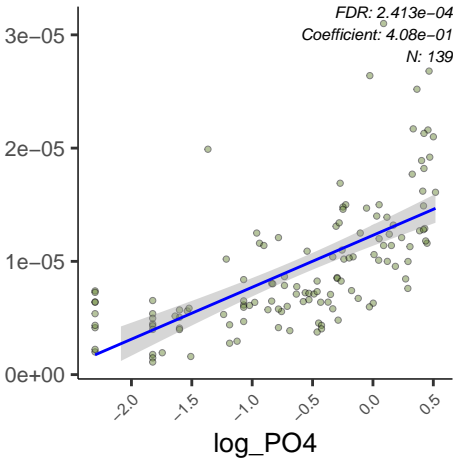
log_PO4

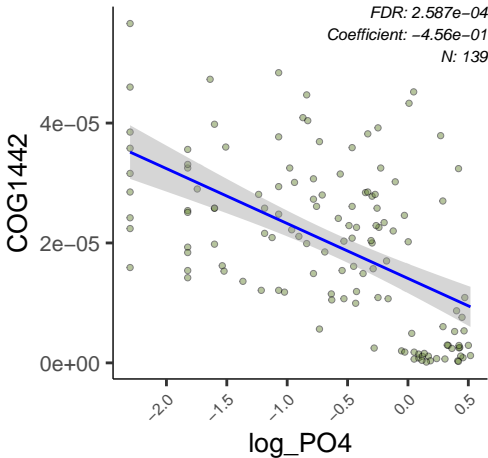




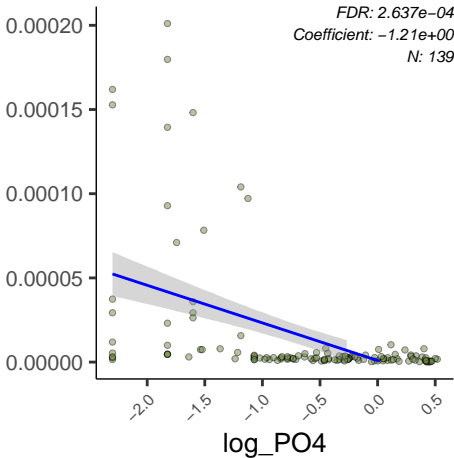


COG4268

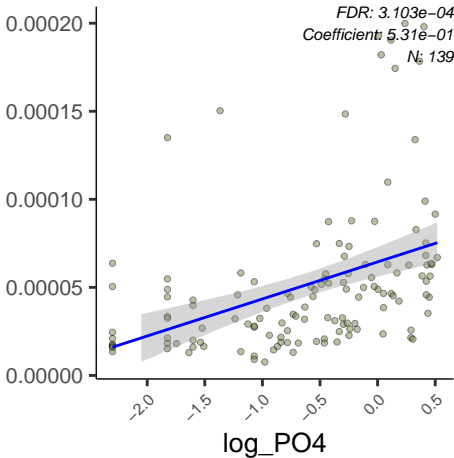




COG4778



COG1349



COG3296

FDR: 3.491e-04
Coefficient: 7.72e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

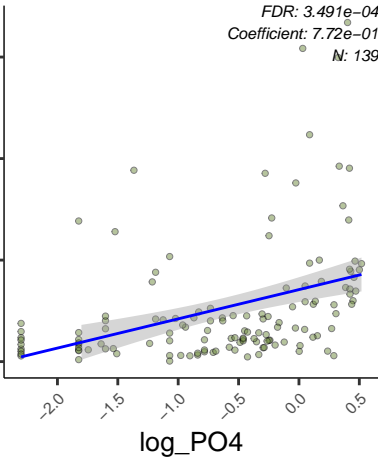
-1.0

-0.5

0.0

0.5

log_PO4



COG5421

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

-1.0

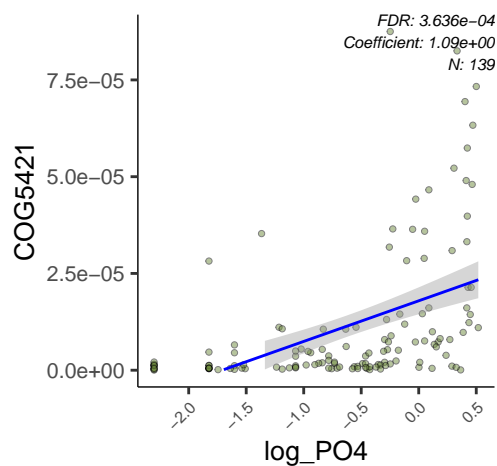
-0.5

0.0

0.5

log_PO4

FDR: 3.636e-04
Coefficient: 1.09e+00
N: 139



COG1283

FDR: 3.699e-04
Coefficient: 3.83e-01
N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

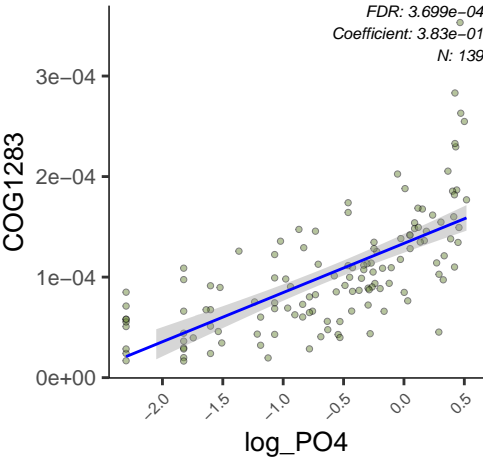
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-0.5

0.0

0.5

log_PO4



COG1597

3e-04

2e-04

1e-04

-2.0

-1.5

-1.0

-0.5

0.0

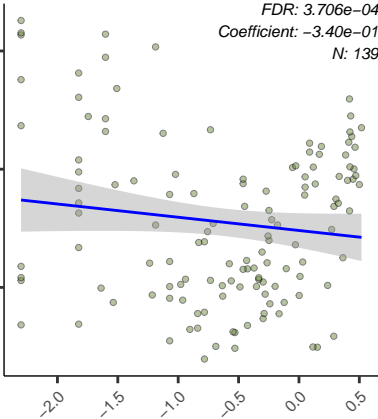
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log_PO4

FDR: 3.706e-04

Coefficient: -3.40e-01

N: 139



COG0105

FDR: 4.429e-04

Coefficient: -6.54e-02

N: 139

8e-04

7e-04

6e-04

5e-04

4e-04

-2.0

-1.5

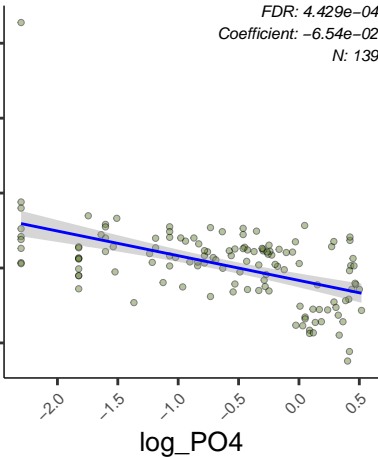
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-0.5

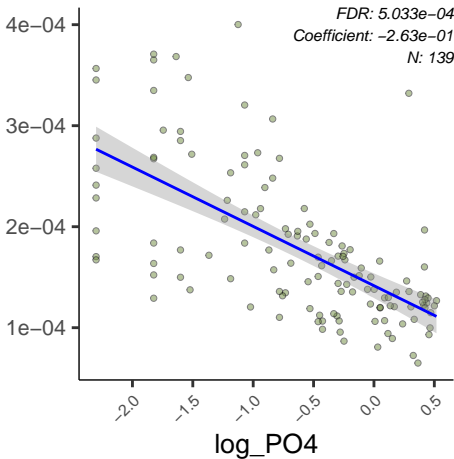
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0.5

log_PO4



COG3638



COG0489

FDR: 5.539e-04

Coefficient: -6.46e-02

N: 139

8e-04

7e-04

6e-04

-2.0

-1.5

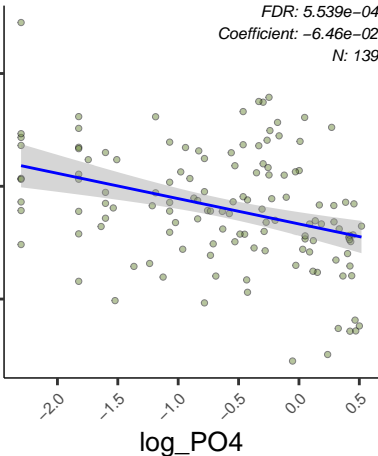
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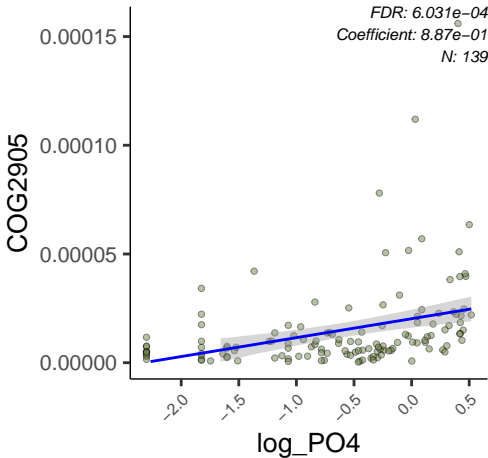
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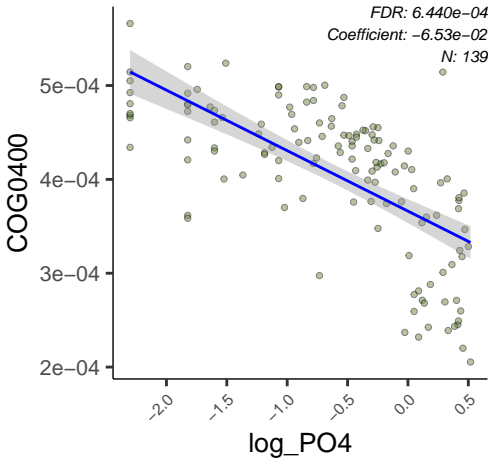
0.0

0.5

log_PO4







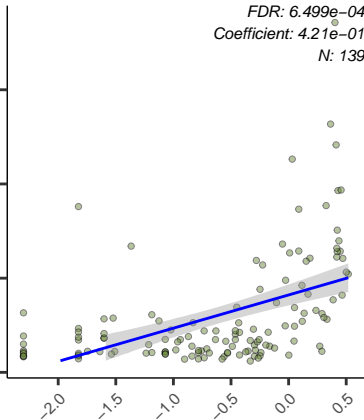
COG2716

FDR: 6.499e-04
Coefficient: 4.21e-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



COG3138

FDR: 6.526e-04
Coefficient: 3.58e-01
N: 139

9e-05

6e-05

3e-05

-2.0

-1.5

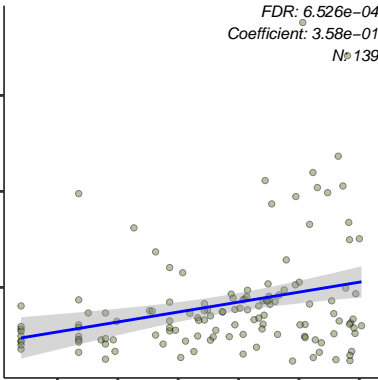
-1.0

-0.5

0.0

0.5

log_PO4



COG1672

FDR: 6.555e-04

Coefficient: 9.36e-01

N: 139

2e-05

1e-05

0e+00

-2.0

-1.5

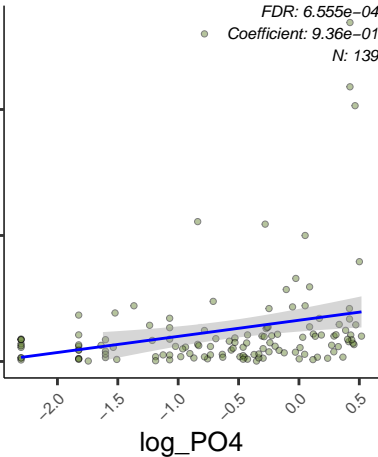
-1.0

-0.5

0.0

0.5

log_PO4



COG4230

FDR: 7.351e-04
Coefficient: 2.70e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

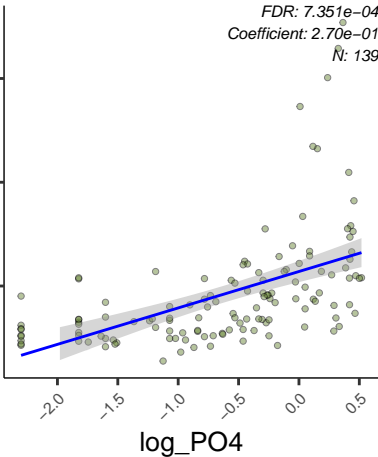
-1.0

-0.5

0.0

0.5

log_PO4



COG4832

FDR: 7.637e-04
Coefficient: 1.27e+00
N: 139

1e-04

5e-05

0e+00

-2.0

-1.5

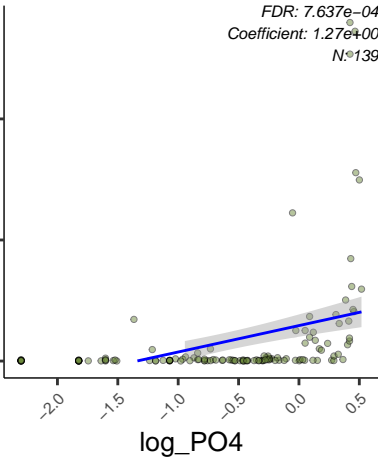
-1.0

-0.5

0.0

0.5

log_PO4



COG0676

FDR: 8.038e-04

Coefficient: 8.54e-01

N: 139

1.0e-04

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

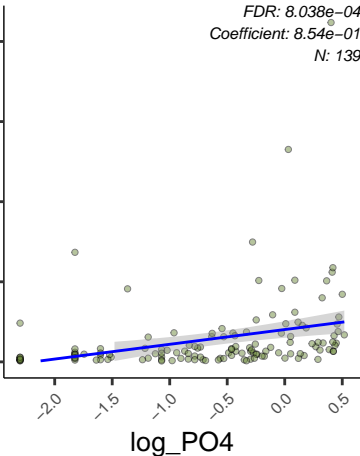
-1.0

-0.5

0.0

0.5

log_PO4



COG4138

FDR: 8.843e-04
Coefficient: 1.31e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

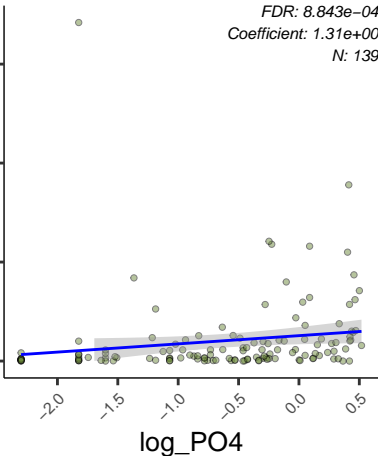
-1.0

-0.5

0.0

0.5

log_PO4



COG4579

FDR: 1.090e-03
Coefficient: 4.35e-01
N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

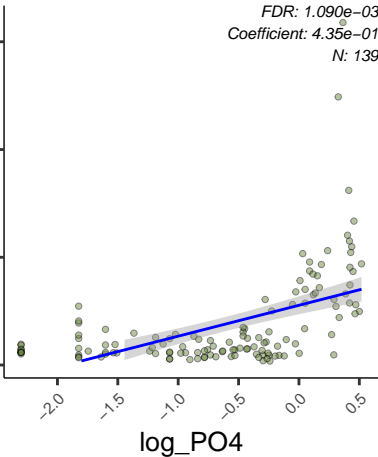
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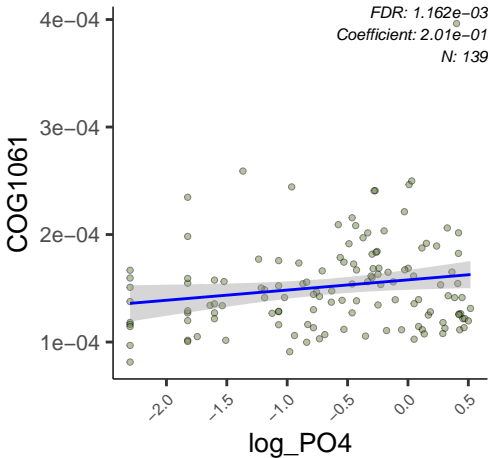
-0.5

0.0

0.5

log_PO4





COG1942

FDR: 1.243e-03

Coefficient: -4.51e-01

N: 139

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0.00010

0.00005

0.00000

-2.0

-1.5

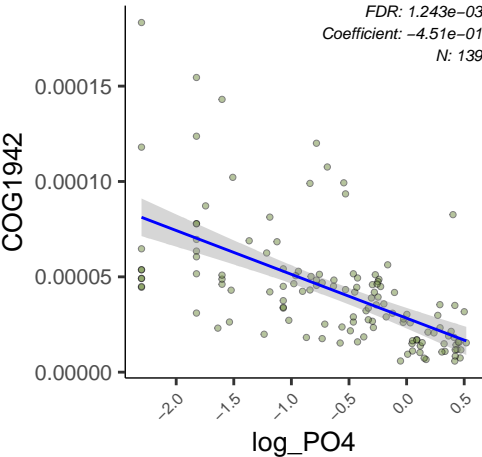
-1.0

-0.5

0.0

0.5

log_PO4



COG3707

FDR: 1.304e-03

Coefficient: 5.38e-01

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

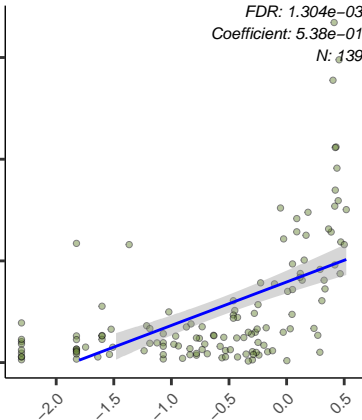
-1.0

-0.5

0.0

0.5

log_PO4



COG0723

FDR: 1.335e-03

Coefficient: -7.70e-02

N: 139

7e-04

6e-04

5e-04

4e-04

-2.0

-1.5

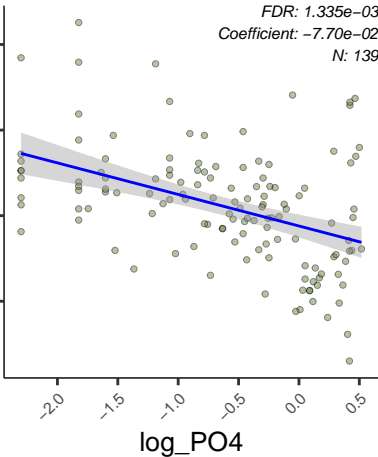
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-0.5

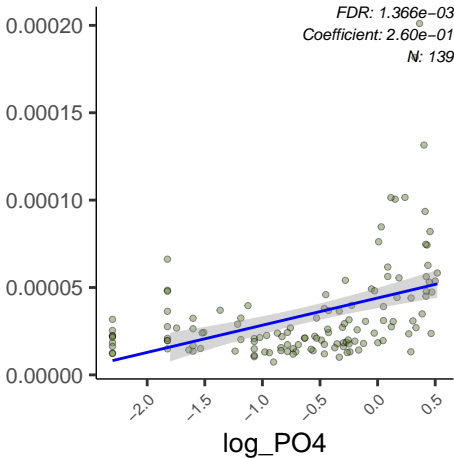
0.0

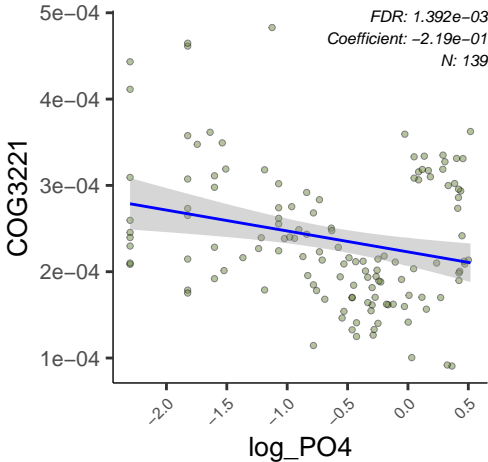
0.5

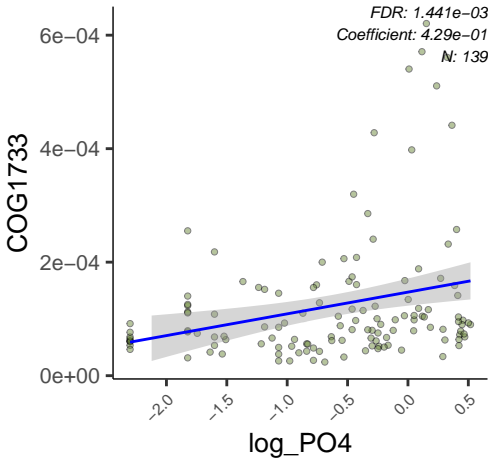
log_PO4



COG4137







COG0024

0.00070

0.00065

0.00060

0.00055

0.00050

-2.0

-1.5

-1.0

-0.5

0.0

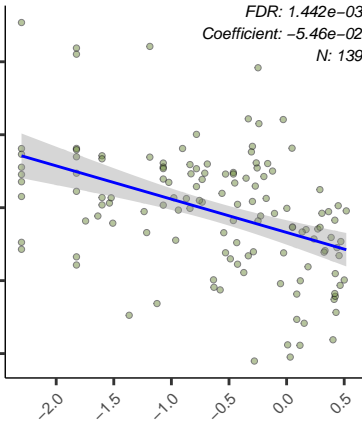
0.5

log_PO4

FDR: 1.442e-03

Coefficient: -5.46e-02

N: 139



COG3170

FDR: 1.455e-03
Coefficient: 4.85e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

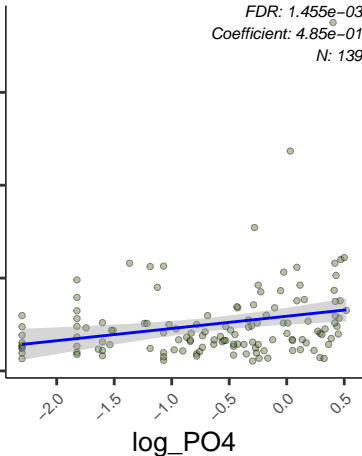
-1.0

-0.5

0.0

0.5

log_PO4



COG3844

FDR: 1.456e-03
Coefficient: 2.19e-01
N: 139

2e-04

1e-04

-2.0

-1.5

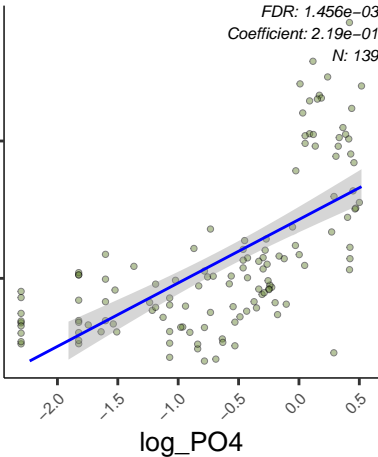
-1.0

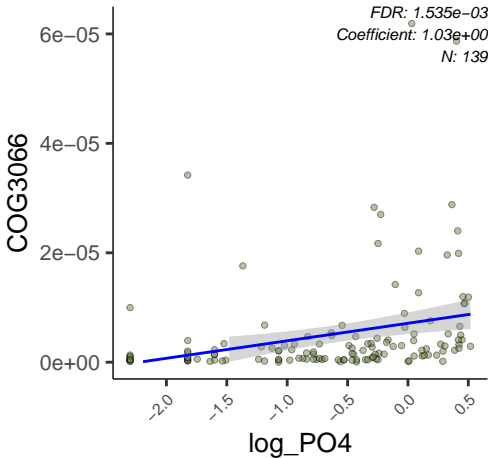
-0.5

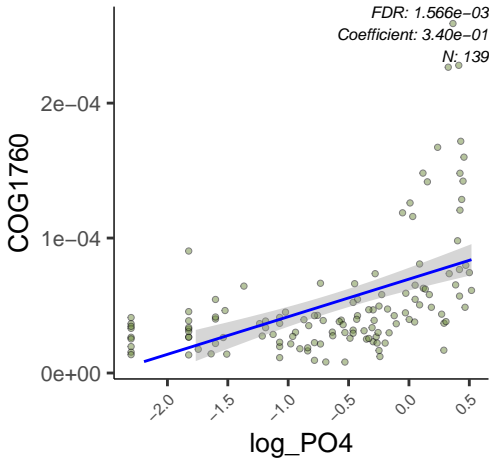
0.0

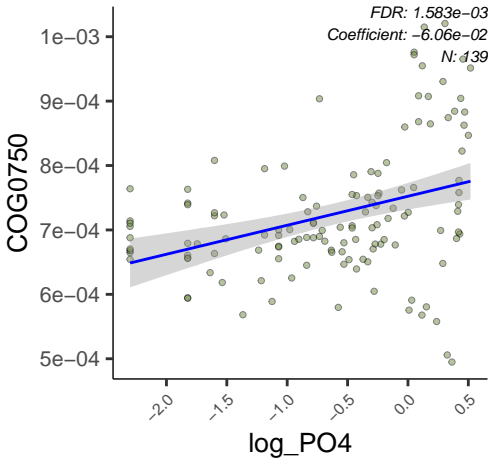
0.5

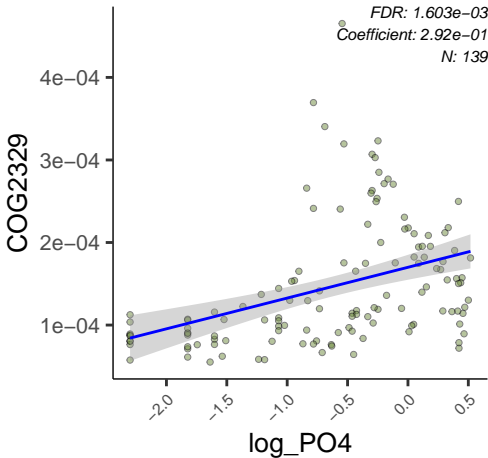
log_PO4

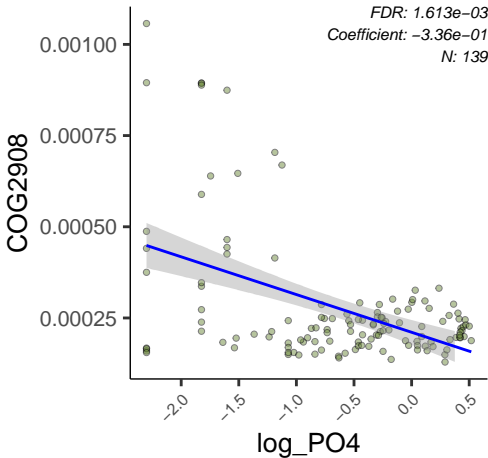


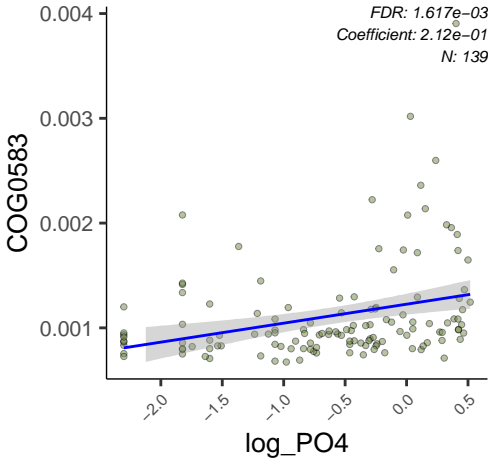






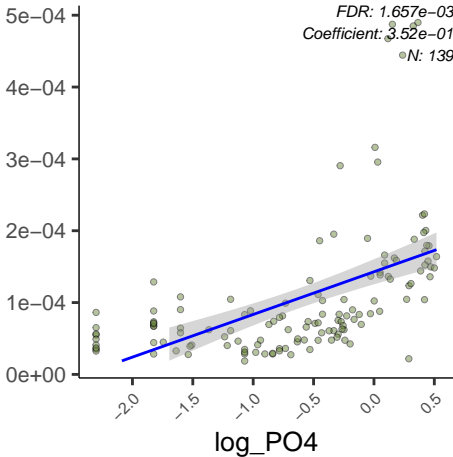




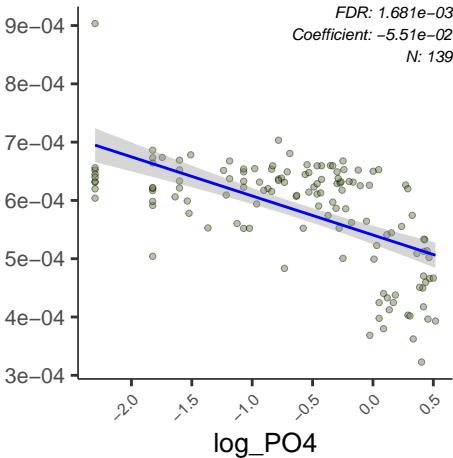


COG2095

FDR: 1.657e-03
Coefficient: 3.52e-01
● *N: 139*



COG0755



COG4334

FDR: 1.694e-03
Coefficient: 2.08e+00
N: 139

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

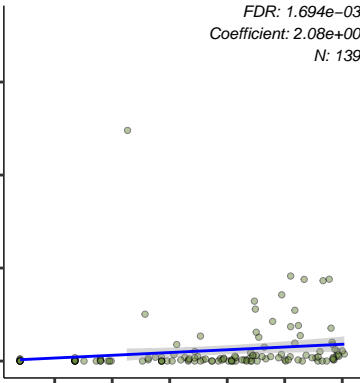
-1.0

-0.5

0.0

0.5

log_PO4



COG3227

FDR: 1.829e-03
Coefficient: 6.13e-01
N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

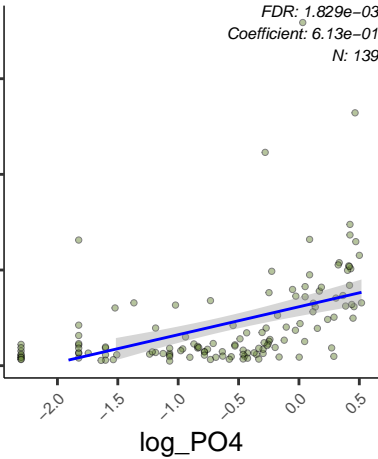
-1.0

-0.5

0.0

0.5

log_PO4



COG3112

FDR: 1.950e-03
Coefficient: 1.72e+00
N: 139

4e-05

2e-05

0e+00

-2.0

-1.5

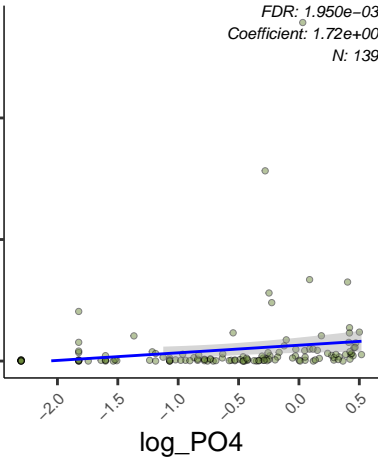
-1.0

-0.5

0.0

0.5

log_PO4



COG2336

FDR: 1.965e-03
Coefficient: 1.16e+00
N: 139

2e-05

1e-05

0e+00

-2.0

-1.5

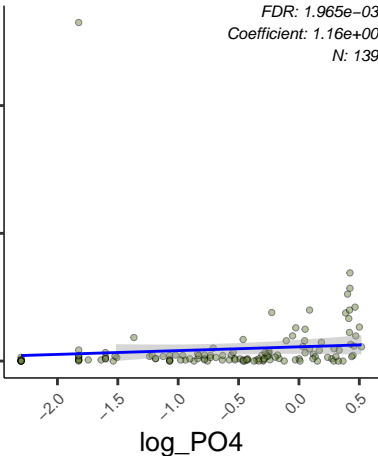
-1.0

-0.5

0.0

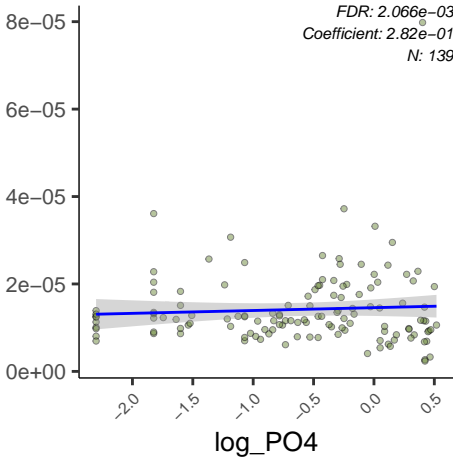
0.5

log_PO4

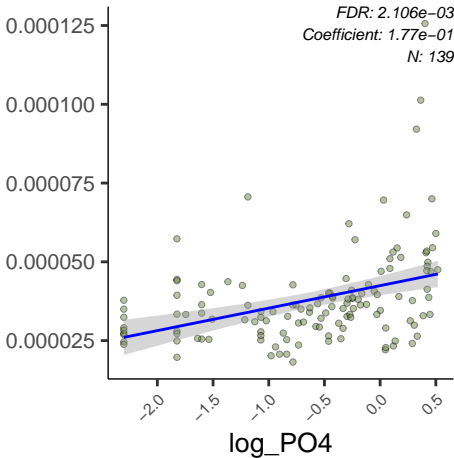


COG4569

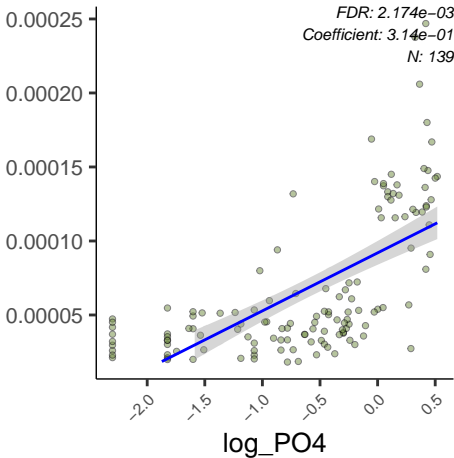
FDR: 2.066e-03
Coefficient: 2.82e-01
N: 139

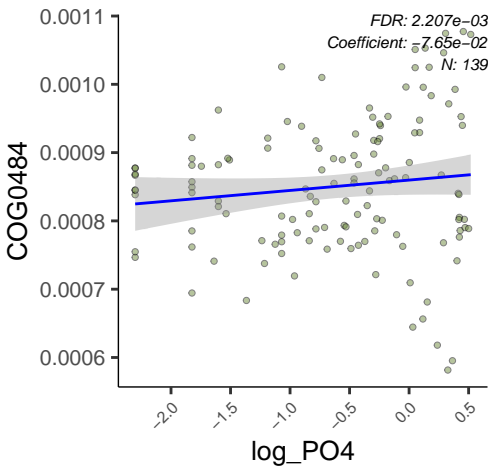


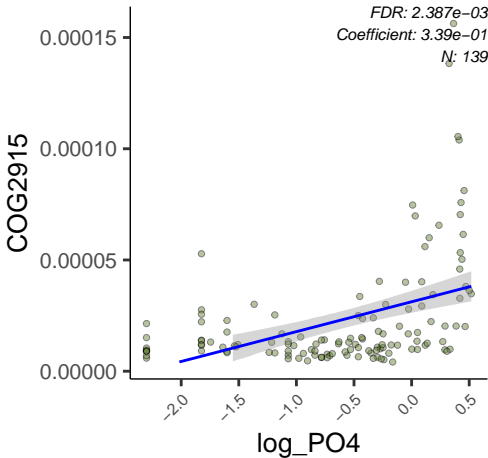
COG2825



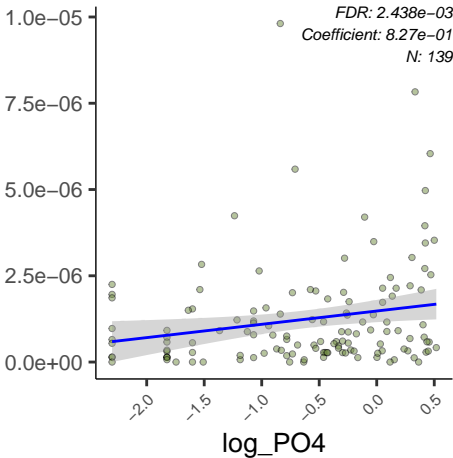
COG1368

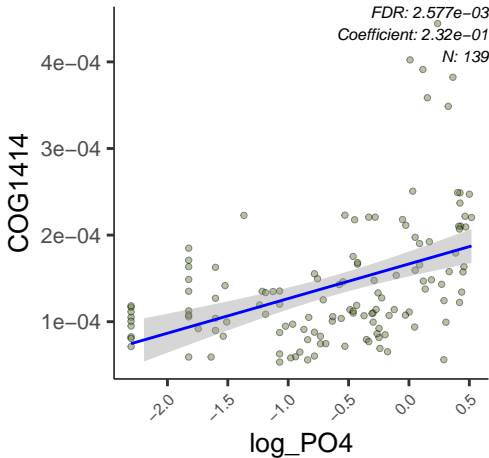






COG4634





COG4807

1e-04

5e-05

0e+00

FDR: 2.725e-03

Coefficient: 6.92e-01

N: 139

-2.0

-1.5

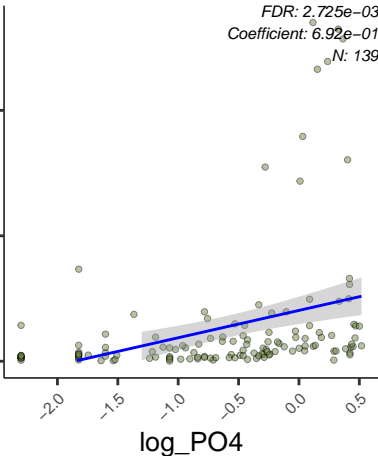
-1.0

-0.5

0.0

0.5

log_PO4



COG0438

FDR: 2.735e-03

Coefficient: -6.10e-02

N: 139

0.0032

0.0028

0.0024

-2.0

-1.5

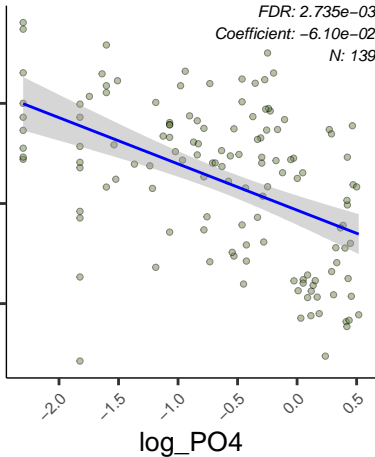
-1.0

-0.5

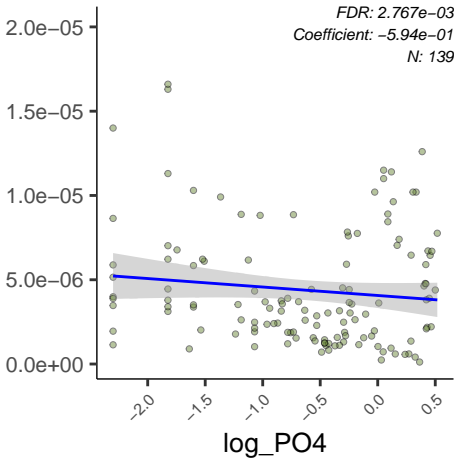
0.0

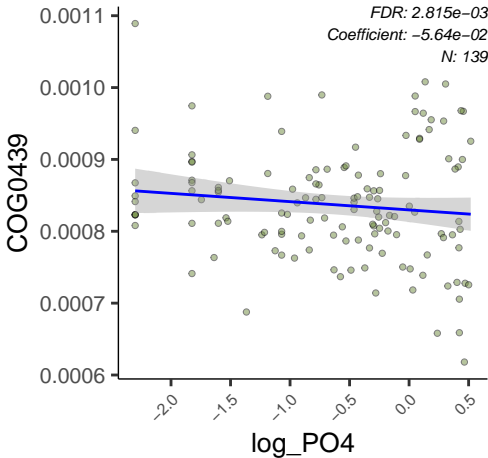
0.5

log_PO4

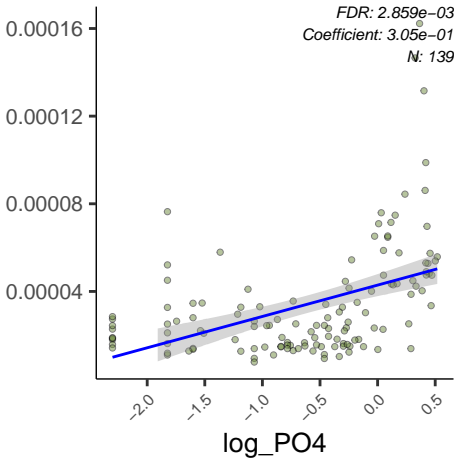


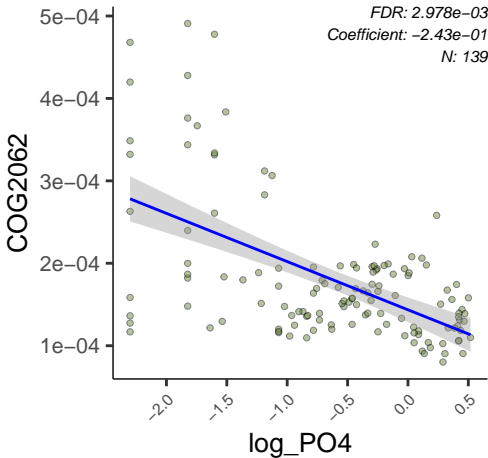
COG5379





COG2269





COG2813

FDR: 3.014e-03
Coefficient: 3.22e-01
N: 139

0.00020

0.00015

0.00010

0.00005

-2.0

-1.5

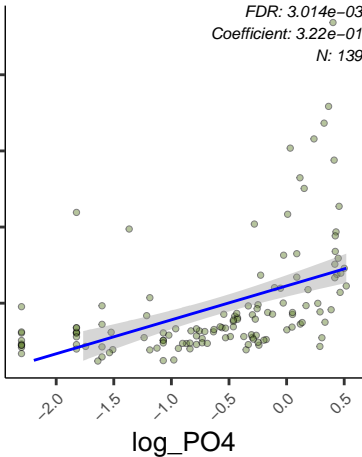
-1.0

-0.5

0.0

0.5

log_PO4



COG3440

FDR: 3.030e-03

Coefficient: 1.44e-01

N: 139

6e-05

4e-05

2e-05

-2.0

-1.5

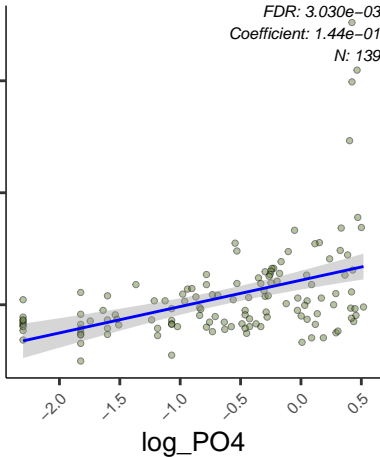
-1.0

-0.5

0.0

0.5

log_PO4



COG4953

FDR: 3.129×10^{-3}

Coefficient: 3.16×10^{-1}

N: 139

4×10^{-5}

3×10^{-5}

2×10^{-5}

1×10^{-5}

-2.0

-1.5

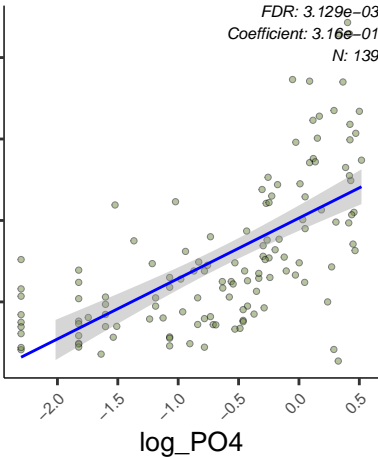
-1.0

-0.5

0.0

0.5

log_PO4



COG2900

FDR: 3.176e-03
Coefficient: 1.07e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

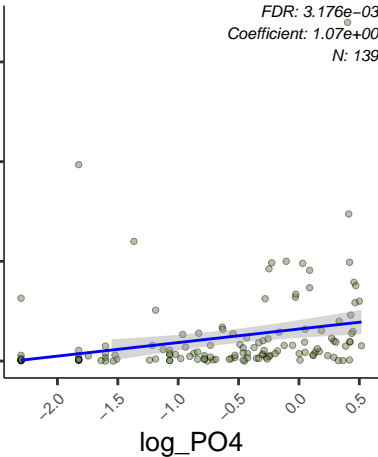
-1.0

-0.5

0.0

0.5

log_PO4



COG1969

FDR: $3.264e-03$
Coefficient: $1.24e+00$
N: 139

$3e-05$

$2e-05$

$1e-05$

$0e+00$

-2.0

-1.5

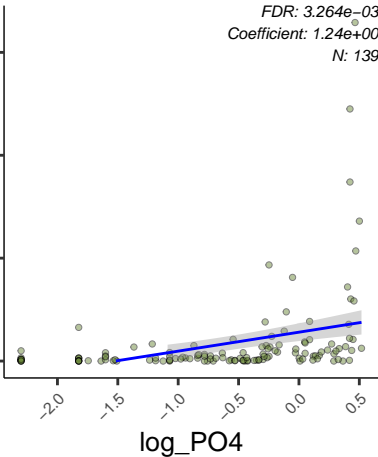
-1.0

-0.5

0.0

0.5

log_PO4



COG3287

FDR: 3.411e-03

Coefficient: 7.94e-01

N: 139

6e-05

4e-05

2e-05

0e+00

log_PO4

-2.0

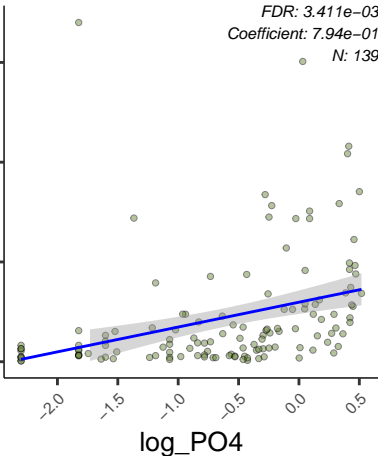
-1.5

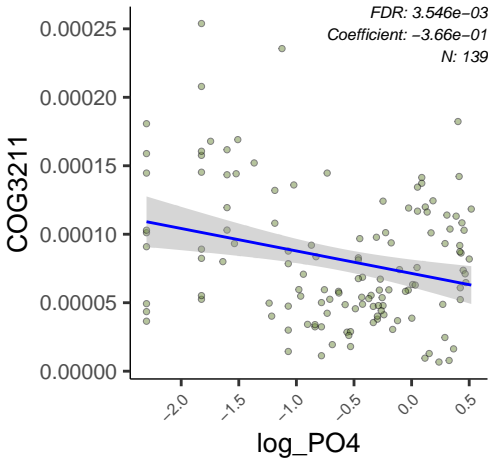
-1.0

-0.5

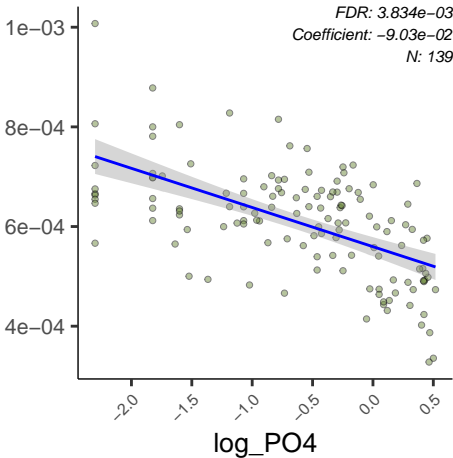
0.0

0.5





COG0229



COG1309

FDR: 3.847e-03
Coefficient: 2.06e-01
N: 139

0.0015

0.0010

0.0005

-2.0

-1.5

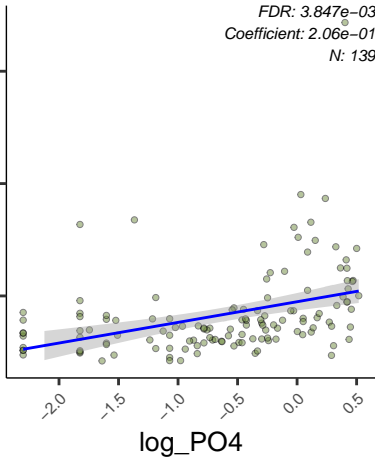
-1.0

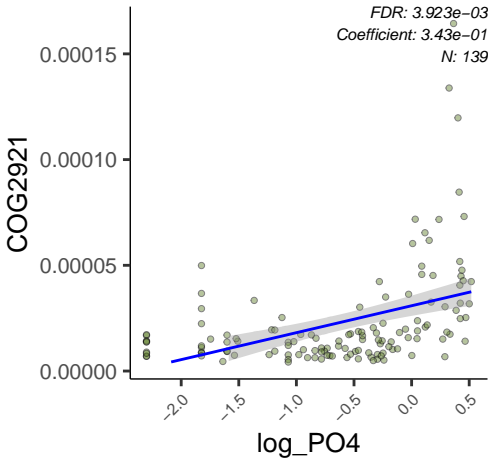
-0.5

0.0

0.5

log_PO4





COG0524

FDR: 4.185e-03

Coefficient: -3.75e-02

N: 139

0.0014

0.0013

0.0012

0.0011

0.0010

-2.0

-1.5

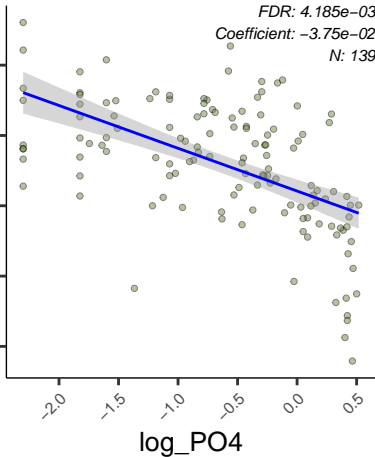
-1.0

-0.5

0.0

0.5

log_PO4



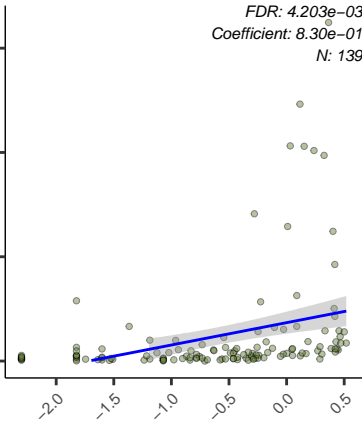
COG4628

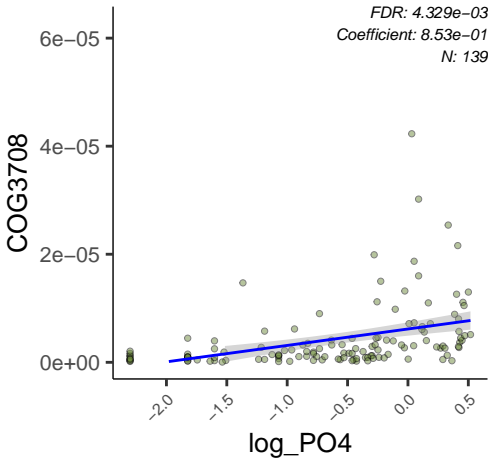
FDR: 4.203e-03
Coefficient: 8.30e-01
N: 139

0.00015
0.00010
0.00005
0.00000

-2.0
-1.5
-1.0
-0.5
0.0
0.5

log_PO4





COG1850

1.0e-04

7.5e-05

5.0e-05

2.5e-05

-2.0

-1.5

-1.0

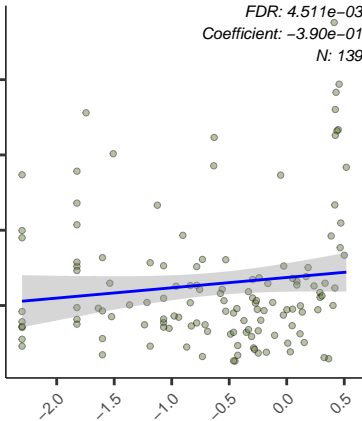
-0.5

0.0

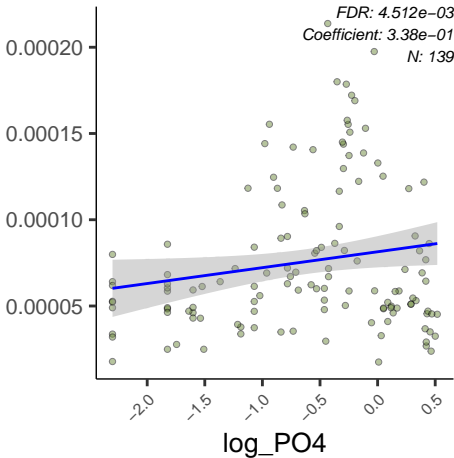
0.5

log_PO4

FDR: 4.511e-03
Coefficient: -3.90e-01
N: 139



COG0748



COG3267

FDR: 4.523e-03
Coefficient: 3.02e-01
N: 139

2e-04

1e-04

0e+00

-2.0

-1.5

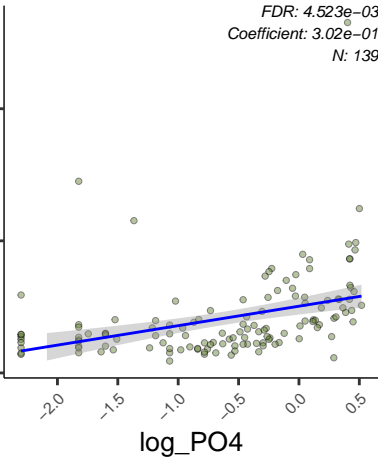
-1.0

-0.5

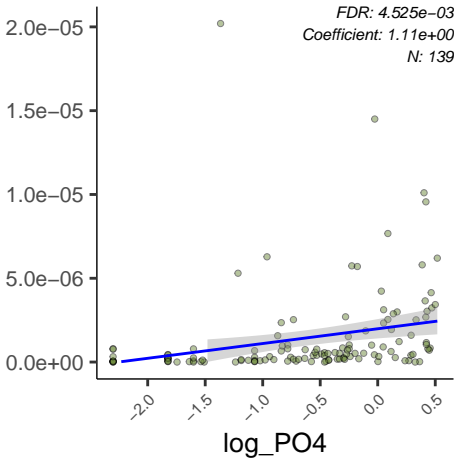
0.0

0.5

log_PO4

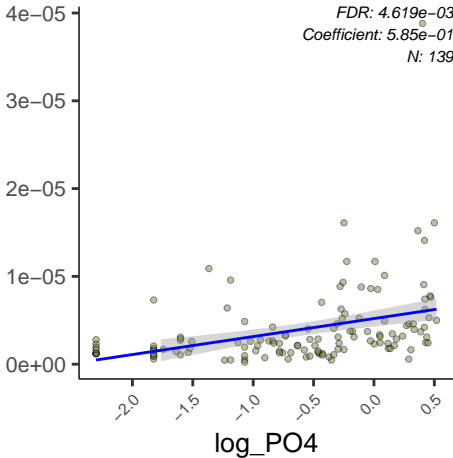


COG4271

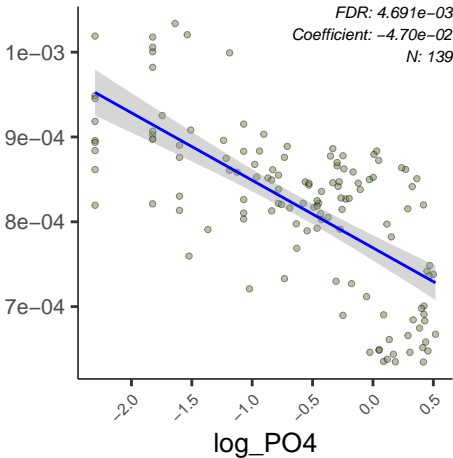


COG3236

FDR: 4.619e-03
Coefficient: 5.85e-01
N: 139



COG0057



COG1444

FDR: 4.691e-03
Coefficient: 8.71e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

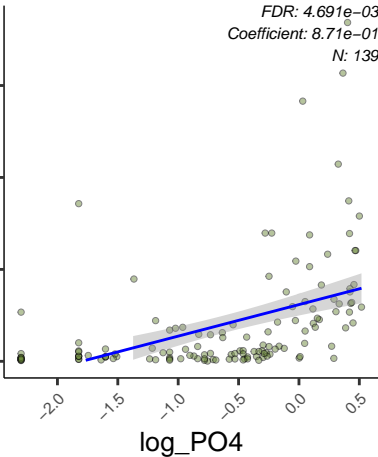
-1.0

-0.5

0.0

0.5

log_PO4



COG3275

FDR: 4.971e-03

Coefficient: 5.21e-01

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

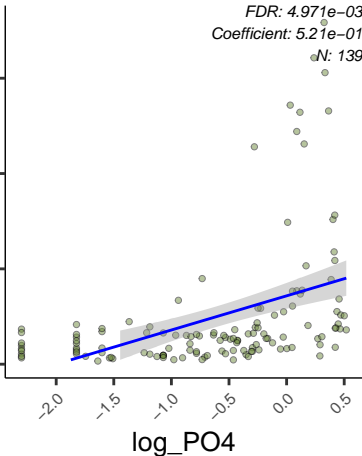
-1.0

-0.5

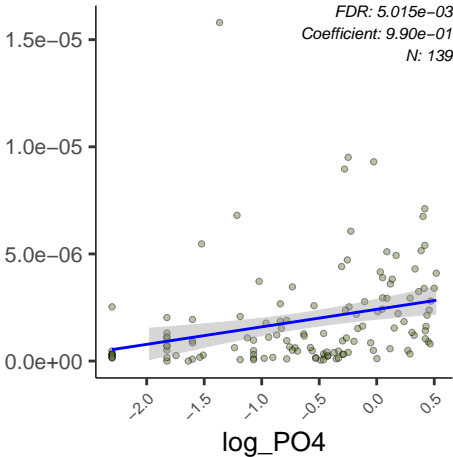
0.0

0.5

log_PO4



COG4922



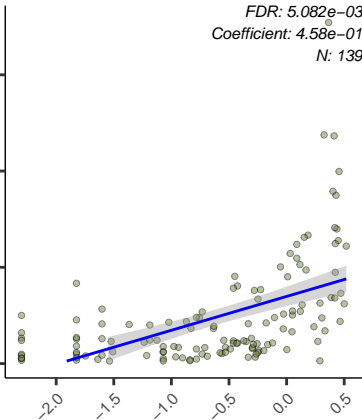
COG2922

FDR: 5.082e-03
Coefficient: 4.58e-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



COG4568

FDR: 5.205e-03

Coefficient: 1.43e+00

N: 139

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

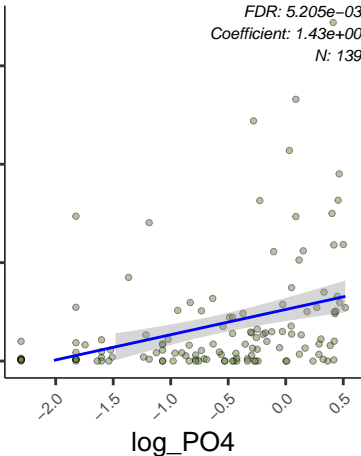
-1.0

-0.5

0.0

0.5

log_PO4



COG1877

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

-1.0

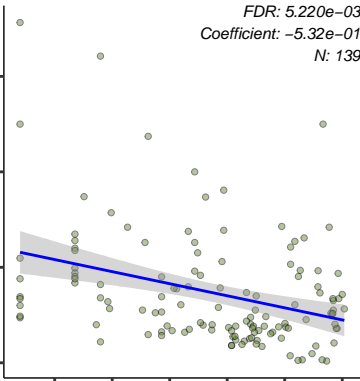
-0.5

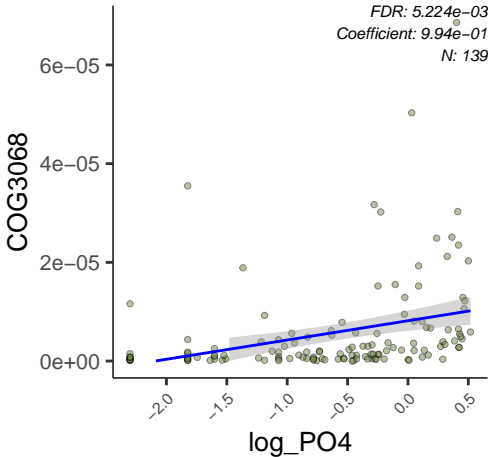
0.0

0.5

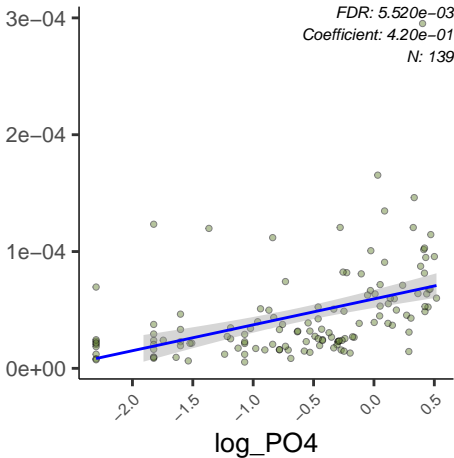
log_PO4

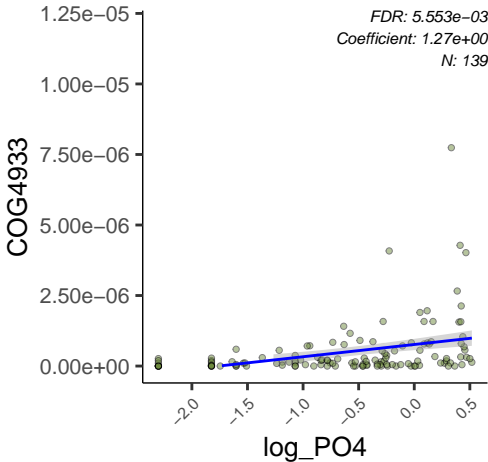
FDR: 5.220e-03
Coefficient: -5.32e-01
N: 139



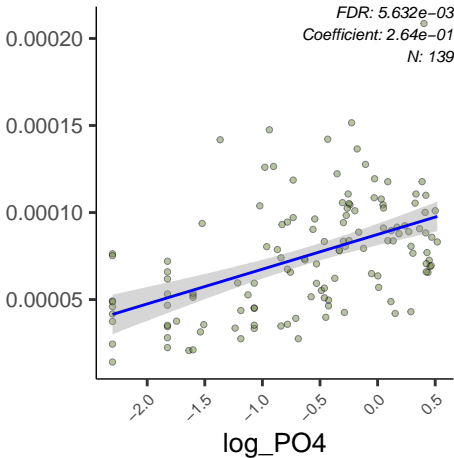


COG3712





COG1120



COG3185

FDR: 5.787e-03

Coefficient: 2.55e-01

N: 139

0.00015

0.00010

0.00005

-2.0

-1.5

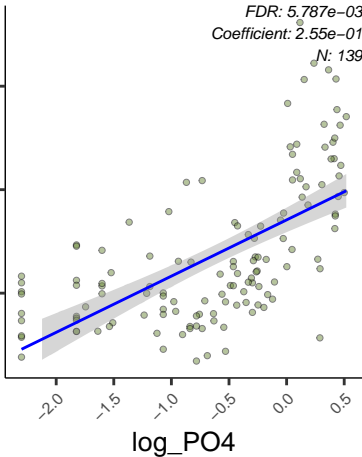
-1.0

-0.5

0.0

0.5

log_PO4

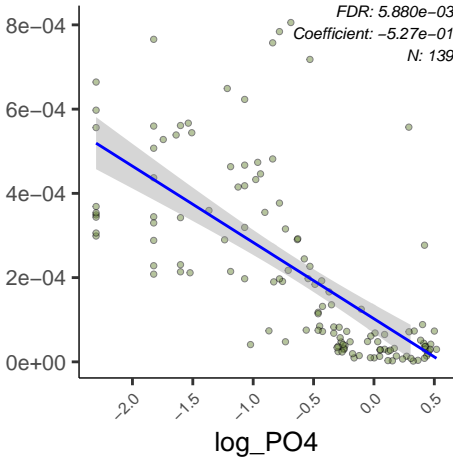


COG2308

FDR: 5.880e-03

Coefficient: -5.27e-01

N: 139



COG1902

FDR: 5.929e-03
Coefficient: 1.32e-01
N: 139

8e-04

6e-04

4e-04

-2.0

-1.5

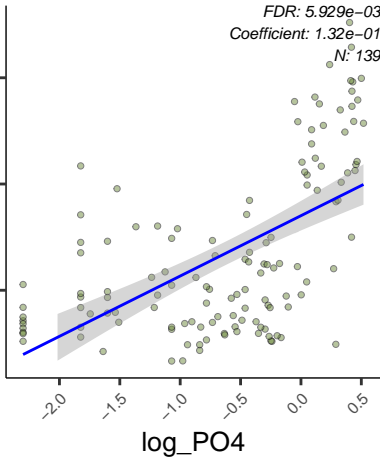
-1.0

-0.5

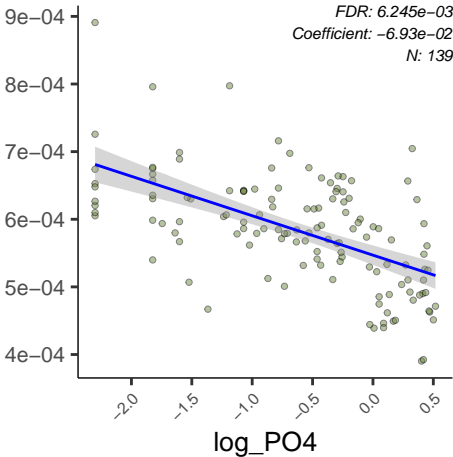
0.0

0.5

log_PO4



COG0107



COG1739

FDR: 6.245e-03

Coefficient: 3.98e-01

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

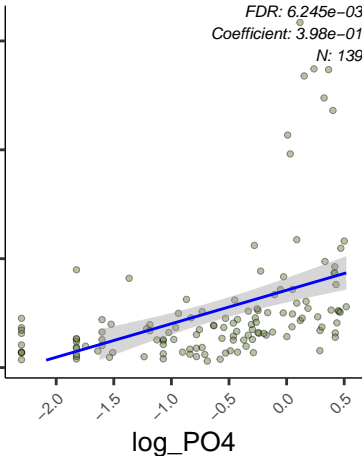
-1.0

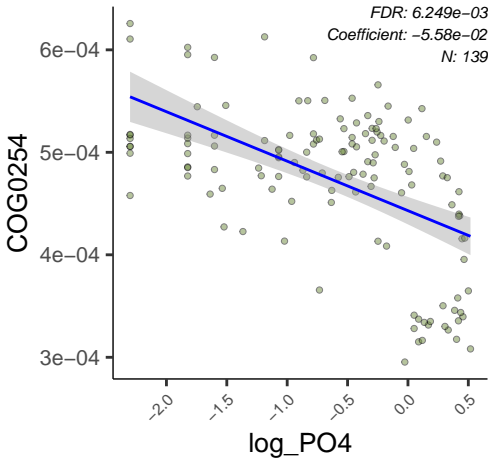
-0.5

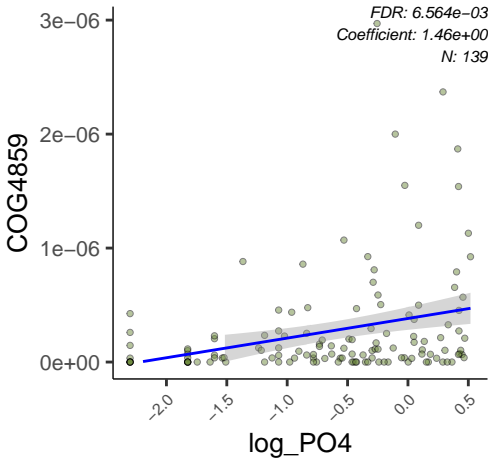
0.0

0.5

log_PO4







COG3769

FDR: 6.757e-03

Coefficient: -3.27e-01

N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

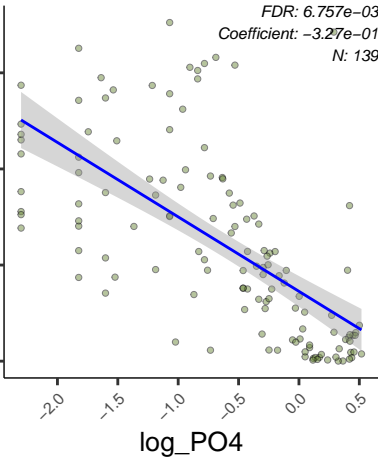
-1.0

-0.5

0.0

0.5

log_PO4



COG3784

FDR: 6.836e-03
Coefficient: 7.81e-01
N: 139

5e-05

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

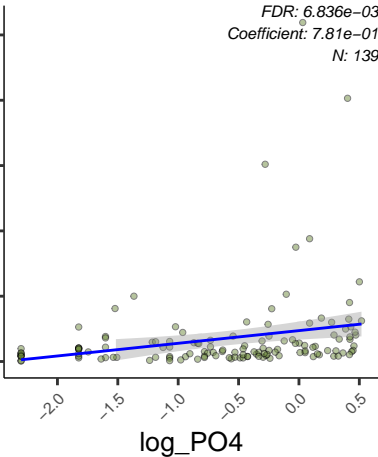
-1.0

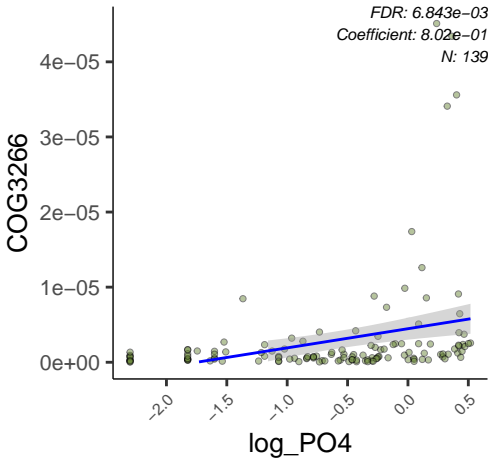
-0.5

0.0

0.5

log_PO4





COG3057

FDR: 6.865e-03
Coefficient: 1.20e+00
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

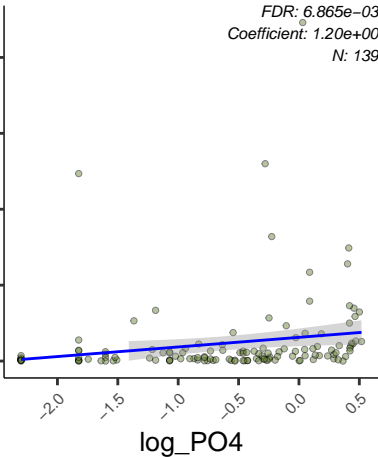
-1.0

-0.5

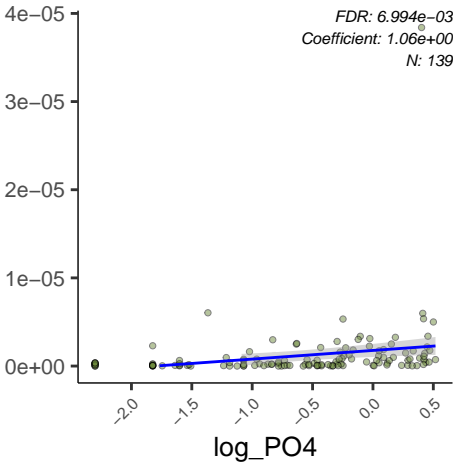
0.0

0.5

log_PO4



COG4397

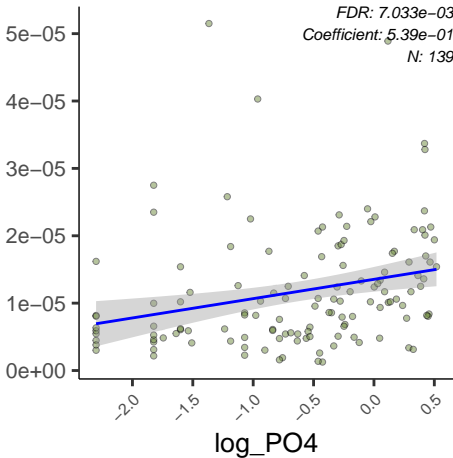


COG5525

FDR: 7.033e-03

Coefficient: 5.39e-01

N: 139



COG5508

FDR: 7.169e-03
Coefficient: 1.52e+00
N: 139

8e-06

6e-06

4e-06

2e-06

0e+00

-2.0

-1.5

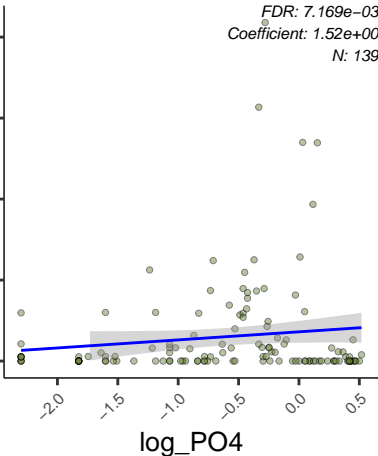
-1.0

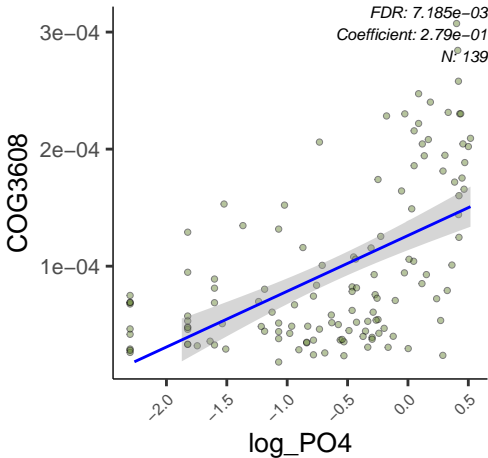
-0.5

0.0

0.5

log_PO4





COG3079

FDR: 7.235e-03

Coefficient: 3.22e-01

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

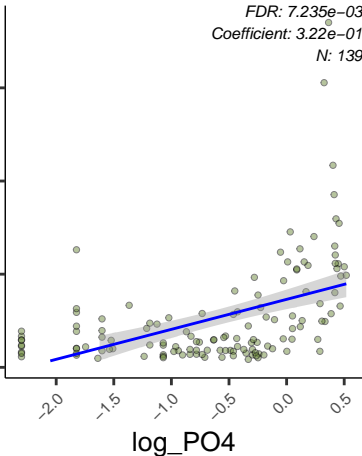
-1.0

-0.5

0.0

0.5

log_PO4



COG1534

FDR: 7.391e-03

Coefficient: 2.51e-01

N: 139

0.00020

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

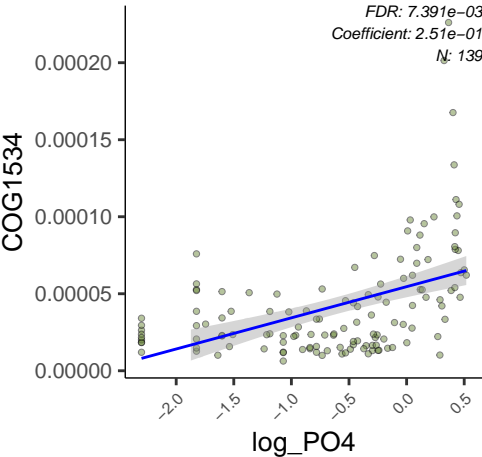
-1.0

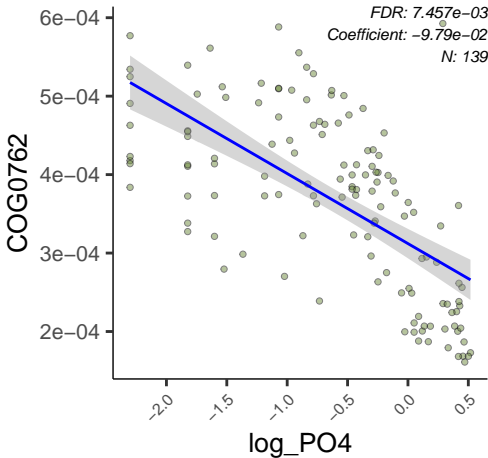
-0.5

0.0

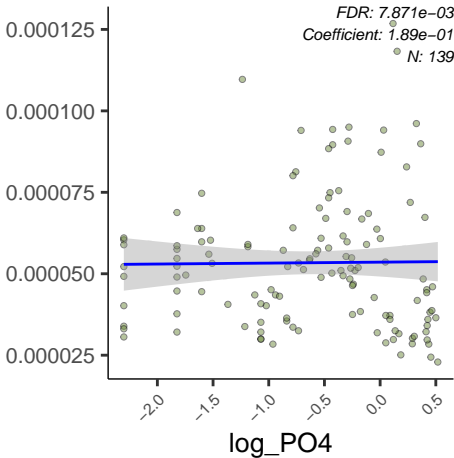
0.5

log_PO4





COG4704



COG2983

FDR: 7.993e-03

Coefficient: 2.34e-01

N: 139

0.00015

0.00010

0.00005

-2.0

-1.5

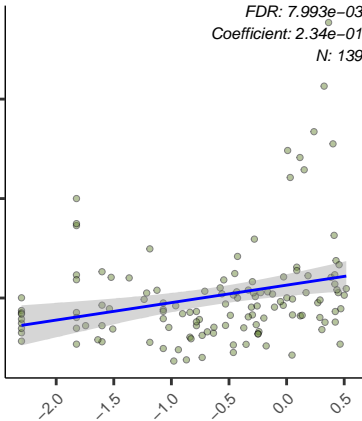
-1.0

-0.5

0.0

0.5

log_PO4



COG1819

FDR: 8.119×10^{-3}

Coefficient: -3.67×10^{-1}

N: 139

3×10^{-4}

2×10^{-4}

1×10^{-4}

0×10^0

-2.0

-1.5

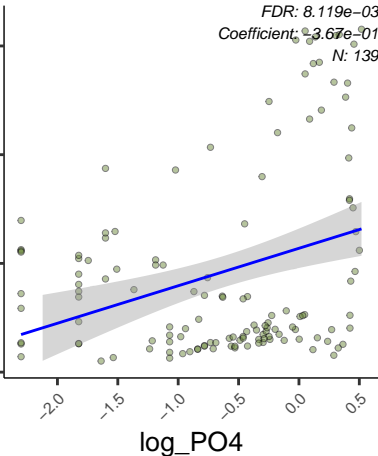
-1.0

-0.5

0.0

0.5

log_PO4



COG2344

FDR: $8.204e-03$

Coefficient: $-3.07e-01$

N: 139

$9e-05$

$6e-05$

$3e-05$

$0e+00$

-2.0

-1.5

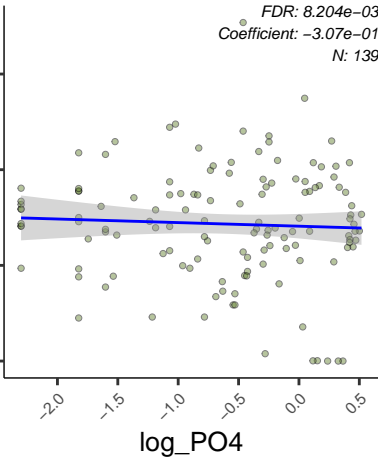
-1.0

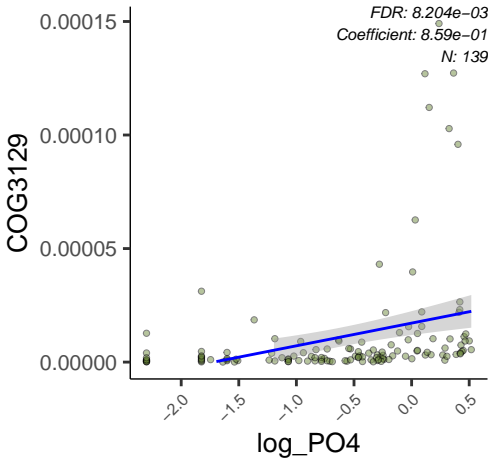
-0.5

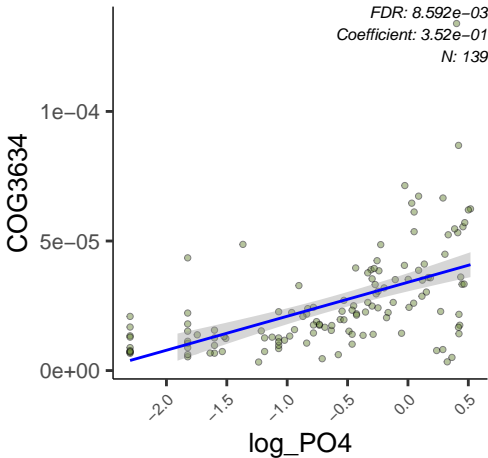
0.0

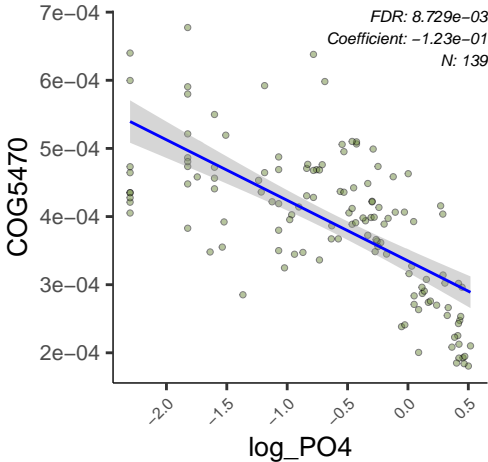
0.5

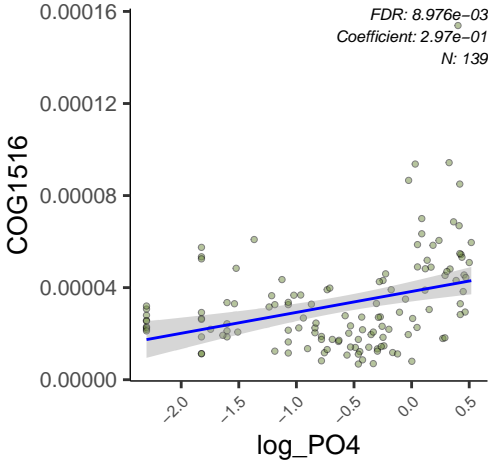
log_PO4





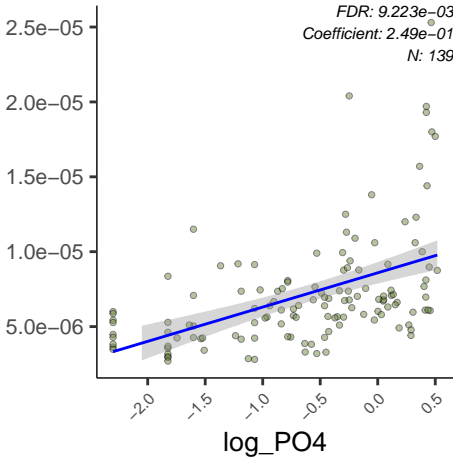






COG3586

FDR: 9.223e-03
Coefficient: 2.49e-01
N: 139



COG3197

FDR: 9.282e-03

Coefficient: 9.20e-01

N: 139

2.0e-05

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

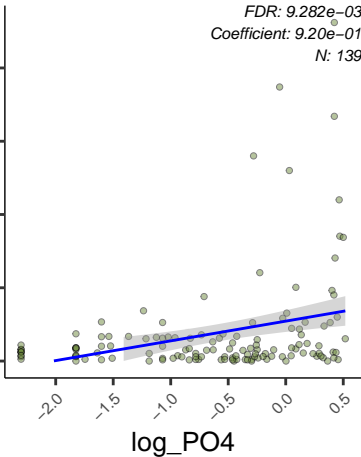
-1.0

-0.5

0.0

0.5

log_PO4



COG3607

FDR: 9.539e-03

Coefficient: 9.71e-01

N: 139

9e-06

6e-06

3e-06

0e+00

-2.0

-1.5

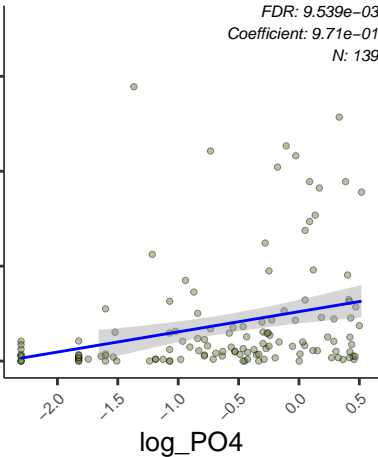
-1.0

-0.5

0.0

0.5

log_PO4



COG1167

FDR: 9.892e-03
Coefficient: 1.66e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

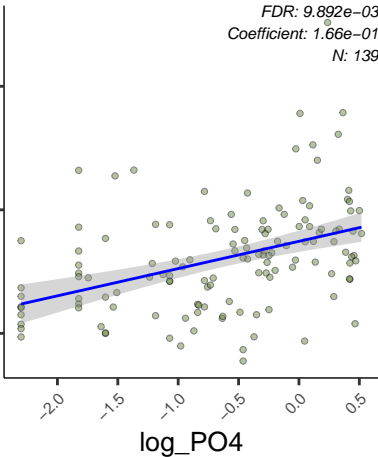
-1.0

-0.5

0.0

0.5

log_PO4



COG4539

FDR: 9.892e-03
Coefficient: 4.17e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

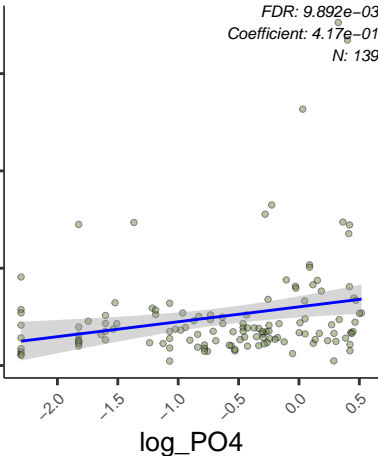
-1.0

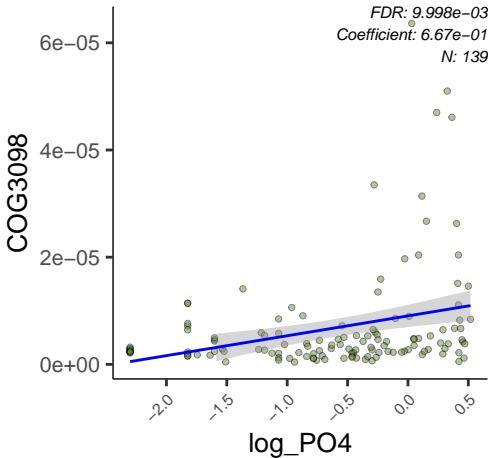
-0.5

0.0

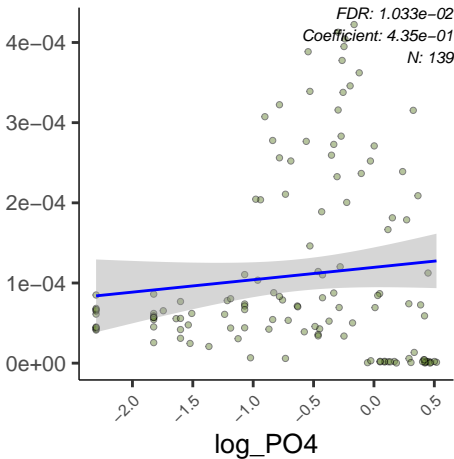
0.5

log_PO4





COG4635



COG2515

FDR: 1.035e-02
Coefficient: 1.90e-01
N: 139

2e-04

1e-04

-2.0

-1.5

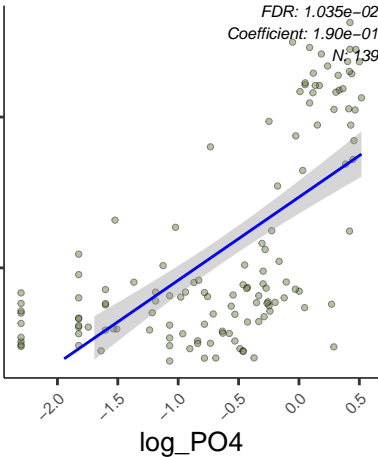
-1.0

-0.5

0.0

0.5

log_PO4



COG3086

FDR: 1.036e-02
Coefficient: 7.56e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

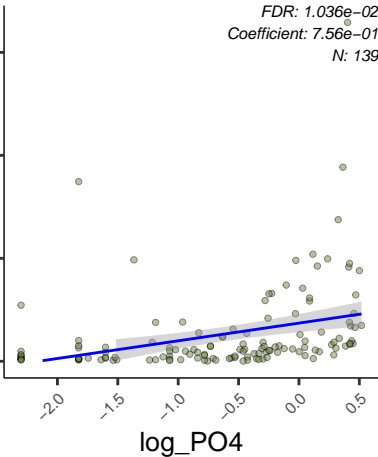
-1.0

-0.5

0.0

0.5

log_PO4



COG2391

FDR: 1.042e-02
Coefficient: 3.15e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

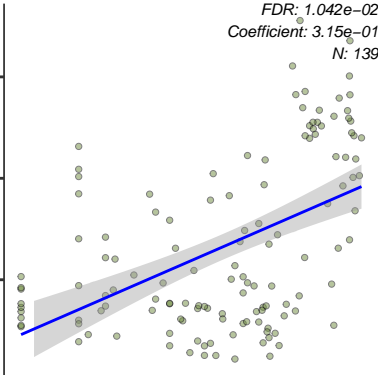
-1.0

-0.5

0.0

0.5

log_PO4



COG2852

FDR: $1.050\text{e-}02$
Coefficient: $8.71\text{e-}01$
N: 139

$1\text{e-}04$

$5\text{e-}05$

$0\text{e+}00$

-2.0

-1.5

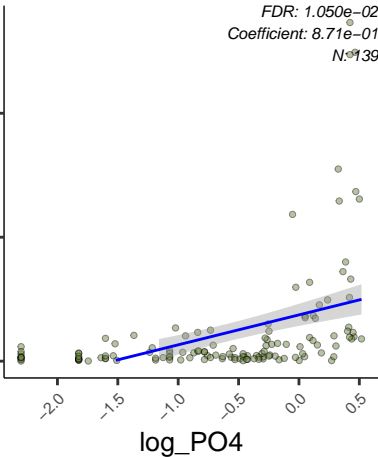
-1.0

-0.5

0.0

0.5

log_PO4



COG1802

6e-04

4e-04

2e-04

FDR: 1.055e-02

Coefficient: 2.97e-01

N: 139

-2.0

-1.5

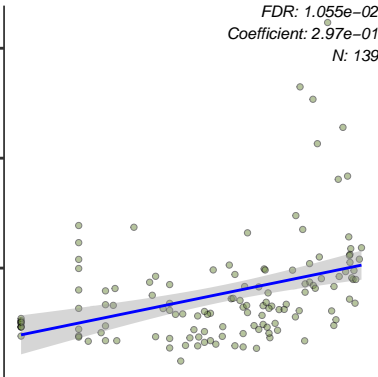
-1.0

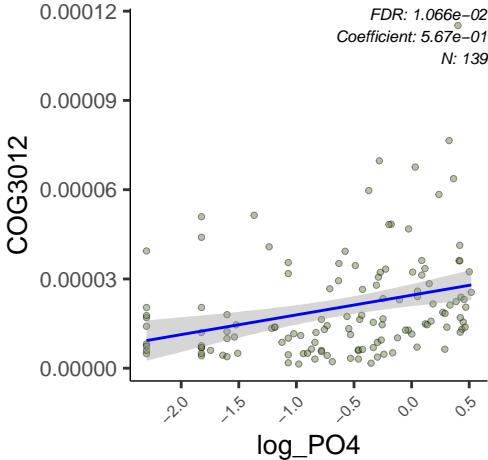
-0.5

0.0

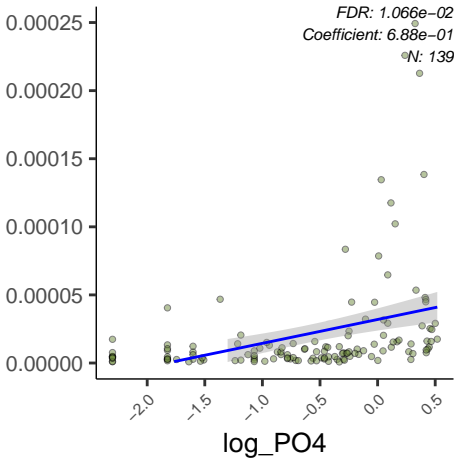
0.5

log_PO4





COG2824



COG4564

FDR: 1.069e-02

Coefficient: 6.16e-01

N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

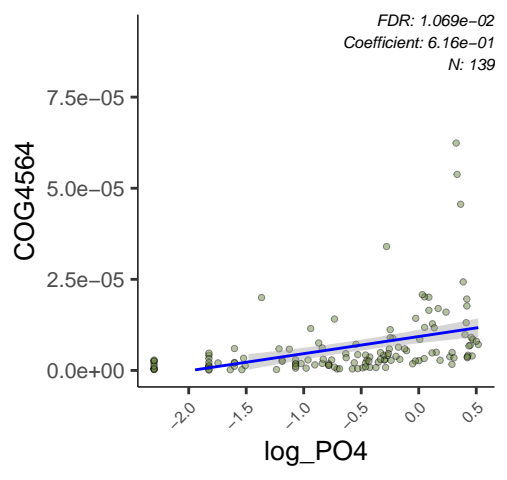
-1.0

-0.5

0.0

0.5

log_PO4



COG1246

FDR: 1.098e-02
Coefficient: 3.29e-01
N: 139

0.00012

0.00008

0.00004

0.00000

-2.0

-1.5

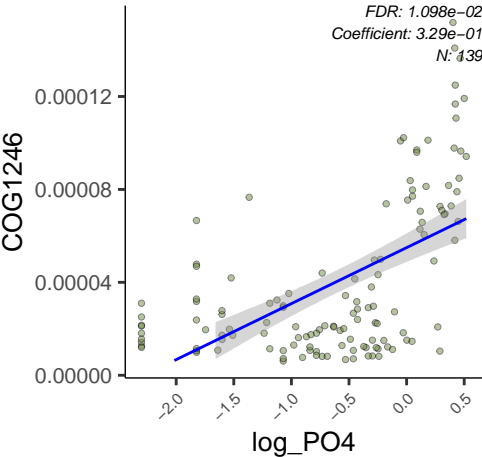
-1.0

-0.5

0.0

0.5

log_PO4



COG2826

FDR: 1.104e-02
Coefficient: 7.07e-01
N: 139

4e-04

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

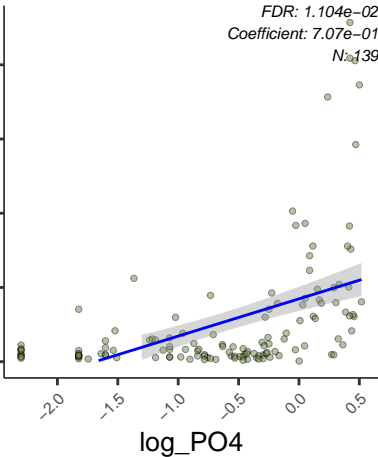
-1.0

-0.5

0.0

0.5

log_PO4



COG4594

FDR: 1.111e-02
Coefficient: 1.53e+00
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

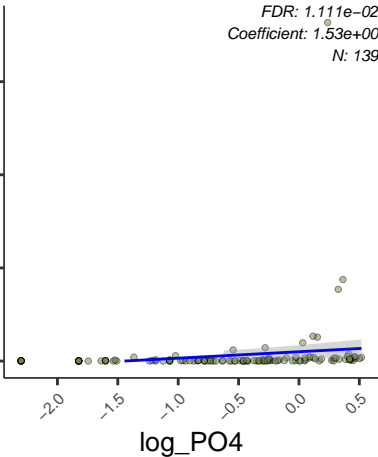
-1.0

-0.5

0.0

0.5

log_PO4



COG5026

FDR: 1.135e-02

Coefficient: -1.41e+00

N: 139

2.0e-06

1.5e-06

1.0e-06

5.0e-07

0.0e+00

-2.0

-1.5

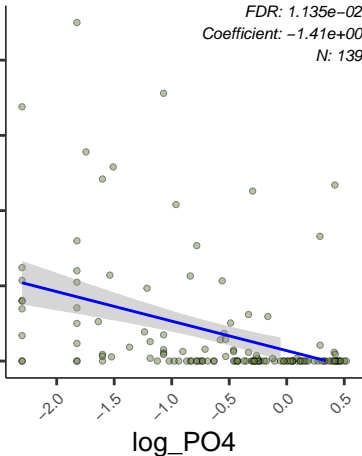
-1.0

-0.5

0.0

0.5

log_PO4



COG0131

FDR: 1.186e-02

Coefficient: -7.14e-02

N: 139

7e-04

6e-04

5e-04

4e-04

-2.0

-1.5

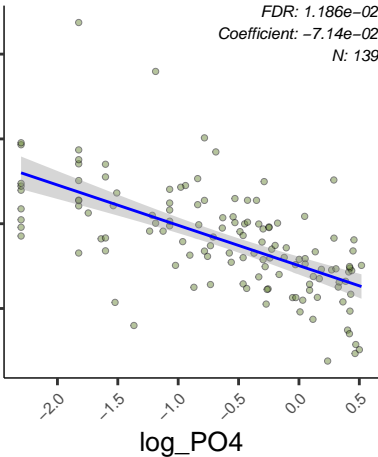
-1.0

-0.5

0.0

0.5

log_PO4



COG1854

1e-05

5e-06

0e+00

FDR: 1.200e-02

Coefficient: 1.06e+00

N: 139

-2.0

-1.5

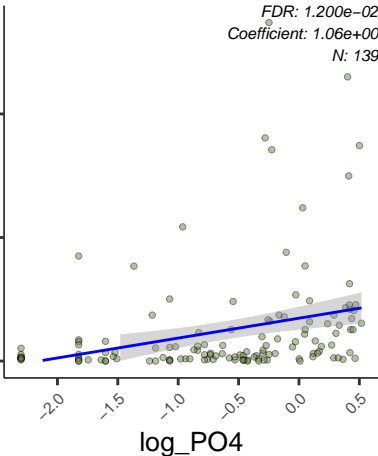
-1.0

-0.5

0.0

0.5

log_PO4



COG2186

FDR: 1.229e-02
Coefficient: 3.71e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

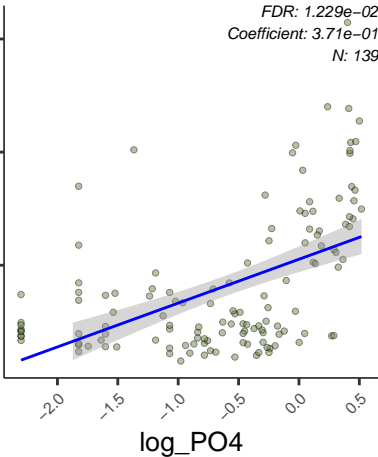
-1.0

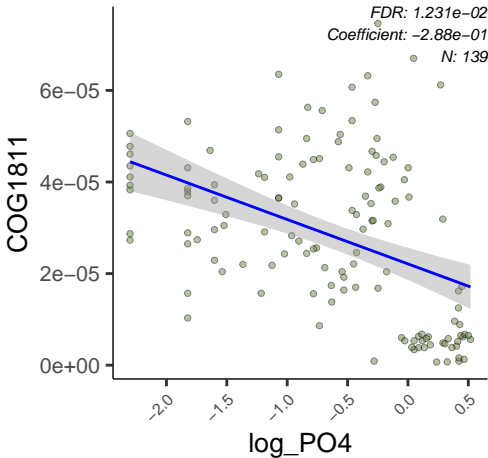
-0.5

0.0

0.5

log_PO4





COG2265

FDR: 1.241e-02
Coefficient: 1.59e-01
N: 139

5e-04

4e-04

3e-04

2e-04

1e-04

-2.0

-1.5

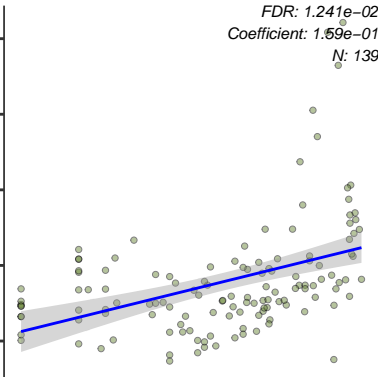
-1.0

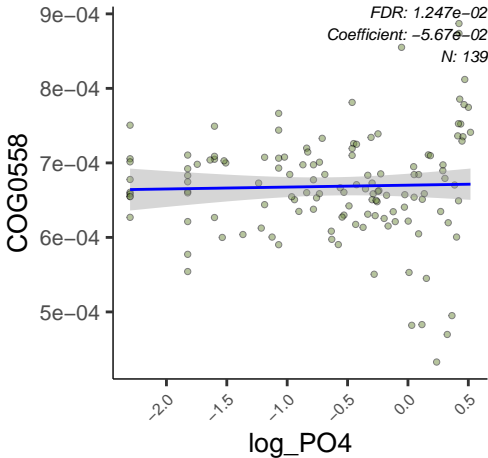
-0.5

0.0

0.5

log_PO4





COG0308

0.00100

0.00075

0.00050

-2.0

-1.5

-1.0

-0.5

0.0

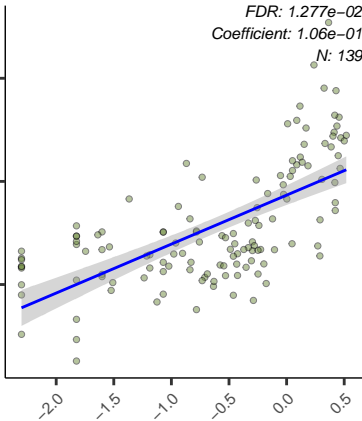
0.5

log_PO4

FDR: 1.277e-02

Coefficient: 1.06e-01

N: 139



COG2838

0.00020

0.00015

0.00010

0.00005

-2.0

-1.5

-1.0

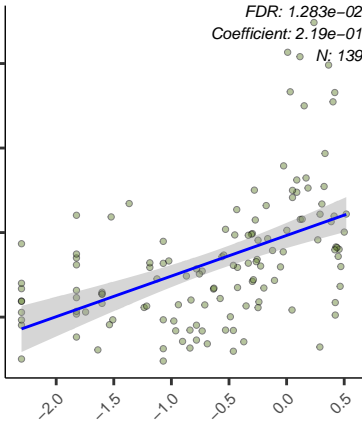
-0.5

0.0

0.5

log_PO4

FDR: 1.283e-02
Coefficient: 2.19e-01
N: 139



COG1820

0.00015

0.00010

0.00005

-2.0

-1.5

-1.0

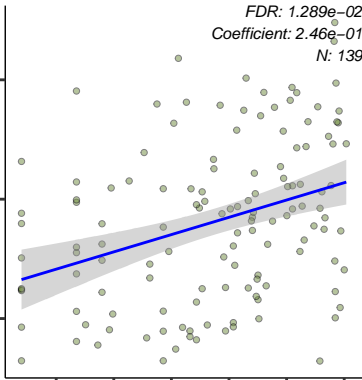
-0.5

0.0

0.5

log_PO4

FDR: 1.289e-02
Coefficient: 2.46e-01
N: 139



COG2182

6e-05

4e-05

2e-05

-2.0

-1.5

-1.0

-0.5

0.0

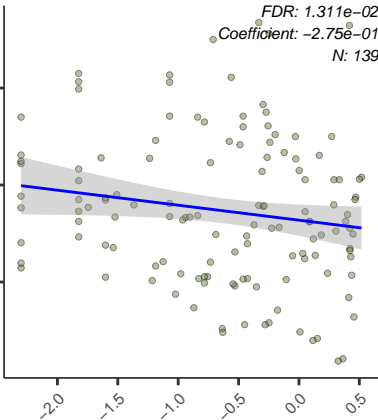
0.5

log_PO4

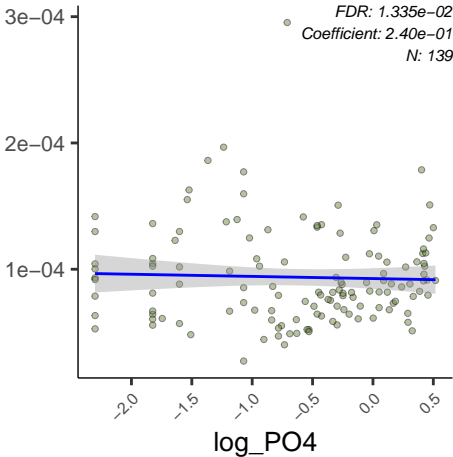
FDR: 1.311e-02

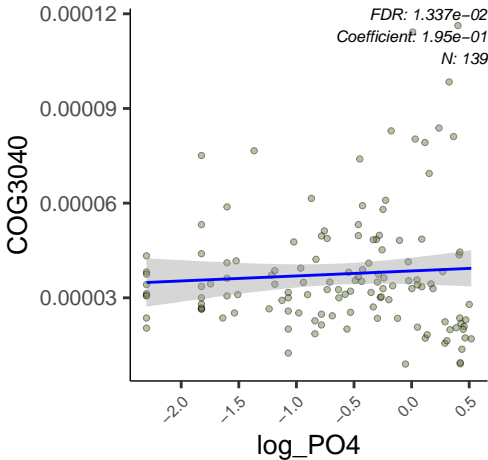
Coefficient: -2.75e-01

N: 139



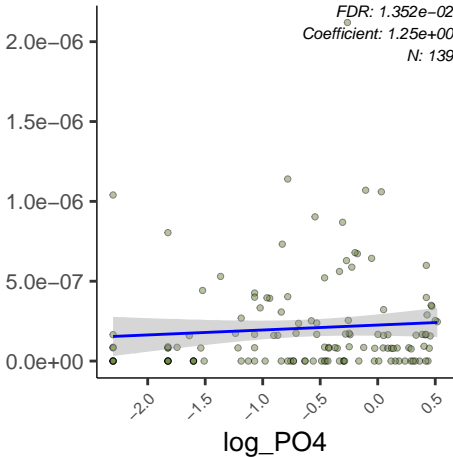
COG2374





COG4794

FDR: 1.352e-02
Coefficient: 1.25e+00
N: 139



COG1883

FDR: 1.354e-02

Coefficient: 2.37e-01

N: 139

0.00015

0.00010

0.00005

-2.0

-1.5

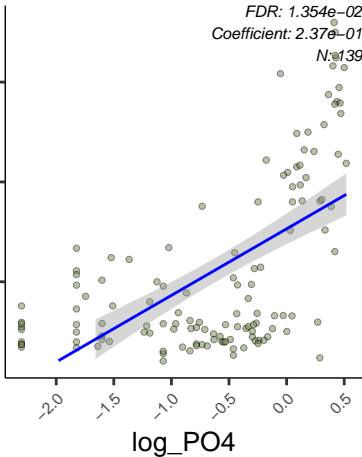
-1.0

-0.5

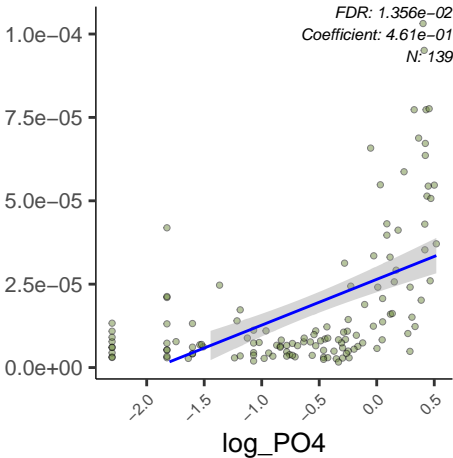
0.0

0.5

log_PO4



COG4659



COG3487

1e-04

5e-05

0e+00

FDR: 1.399e-02

Coefficient: 3.39e-01

N: 139

-2.0

-1.5

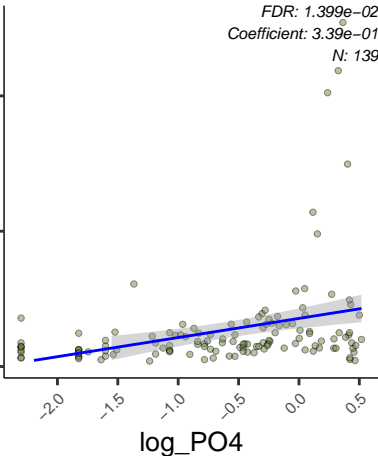
-1.0

-0.5

0.0

0.5

log_PO4



COG2207

FDR: 1.406e-02
Coefficient: 3.36e-01
N: 139

0.0015

0.0010

0.0005

0.0000

-2.0

-1.5

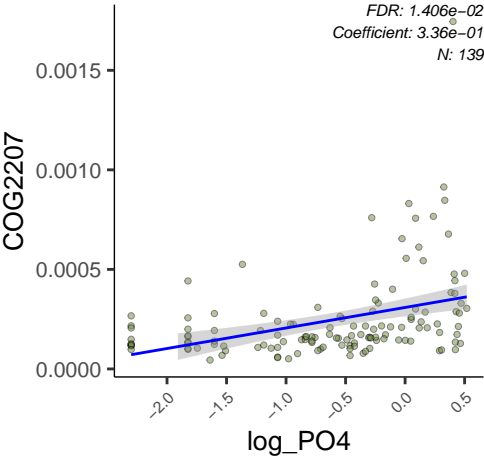
-1.0

-0.5

0.0

0.5

log_PO4



COG2202

FDR: 1.416e-02
Coefficient: 4.42e-01
N: 139

0.0015

0.0010

0.0005

0.0000

-2.0

-1.5

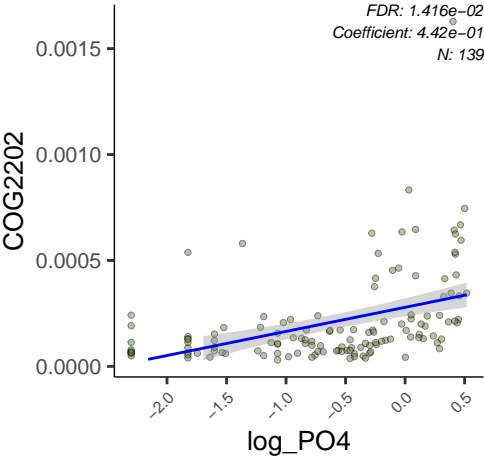
-1.0

-0.5

0.0

0.5

log_PO4

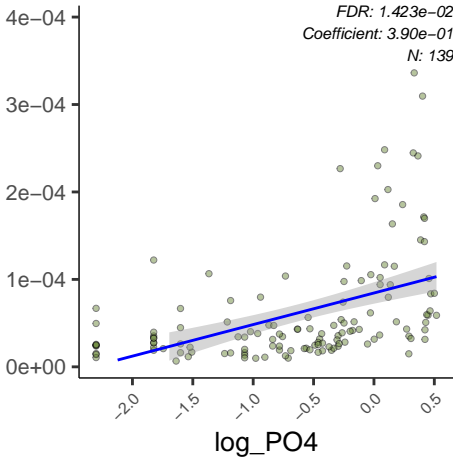


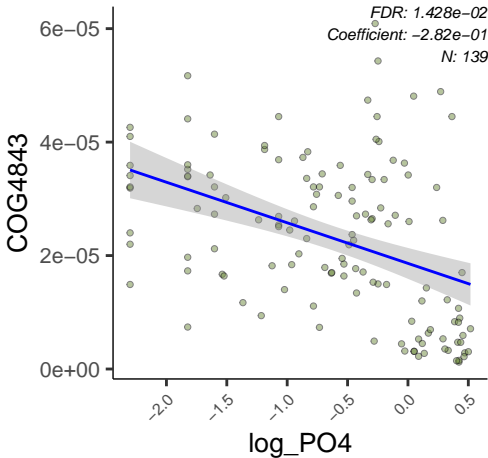
COG3279

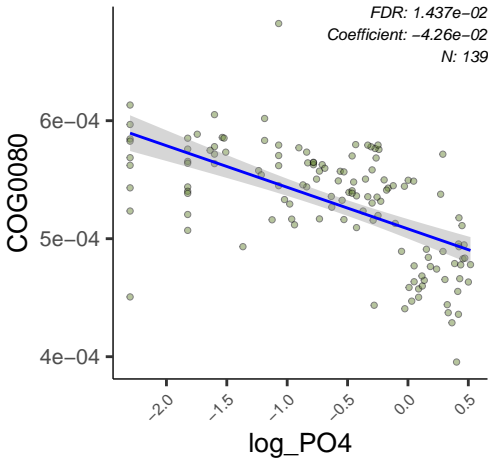
FDR: 1.423e-02

Coefficient: 3.90e-01

N: 139







COG3573

FDR: 1.441e-02

Coefficient: 7.77e-01

N: 139

0.0e+00

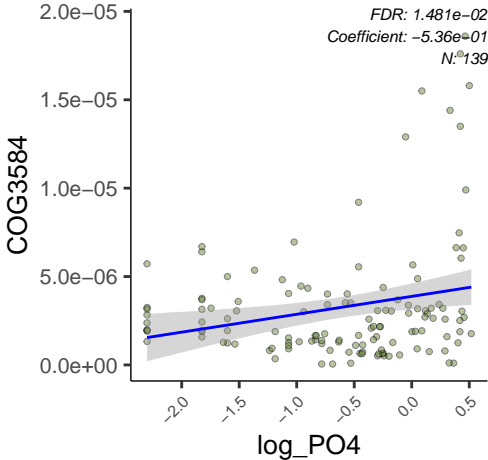
5.0e-06

1.0e-05

1.5e-05

2.0e-05

log_PO4



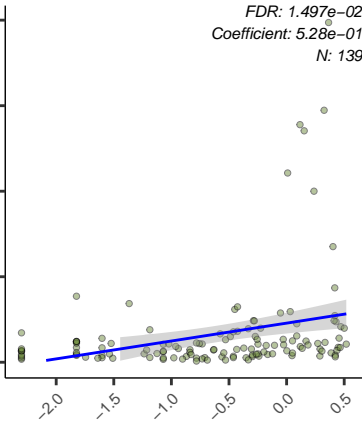
COG3345

FDR: 1.497e-02
Coefficient: 5.28e-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



COG4220

FDR: 1.503e-02
Coefficient: 1.12e+00
N: 139

2e-05

1e-05

0e+00

log_PO4

-2.0

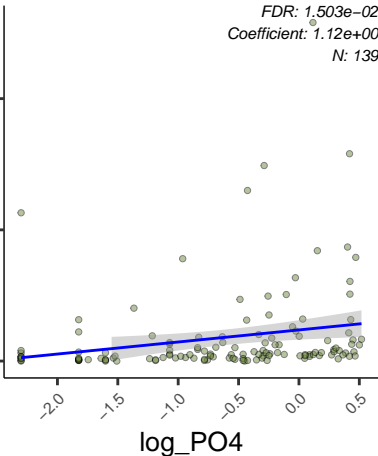
-1.5

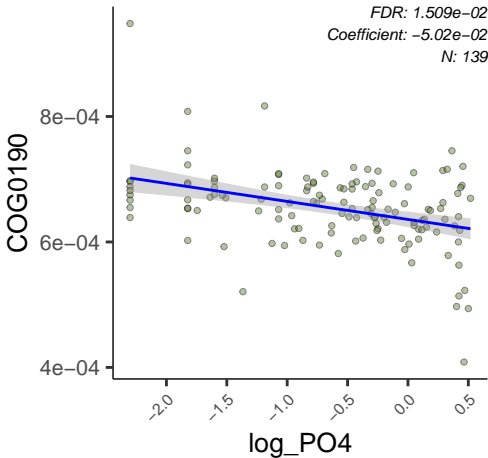
-1.0

-0.5

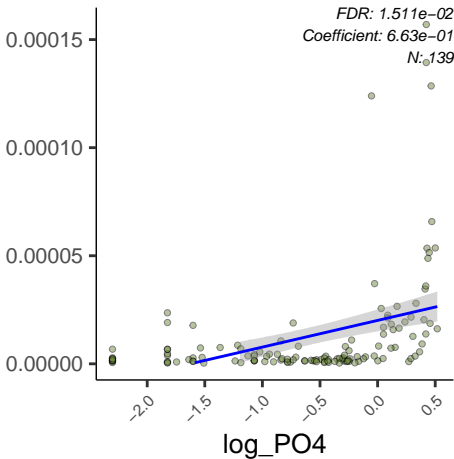
0.0

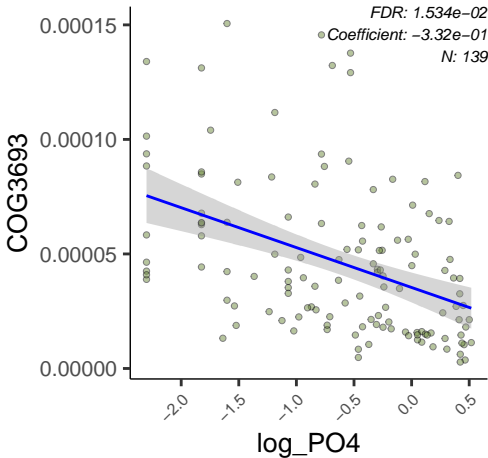
0.5





COG3677





COG3039

FDR: 1.576e-02
Coefficient: 6.13e-01
N: 139

4e-04

2e-04

0e+00

-2.0

-1.5

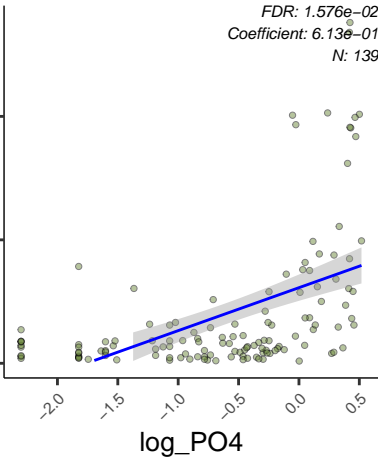
-1.0

-0.5

0.0

0.5

log_PO4



COG1965

FDR: 1.576e-02

Coefficient: 3.95e-01

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

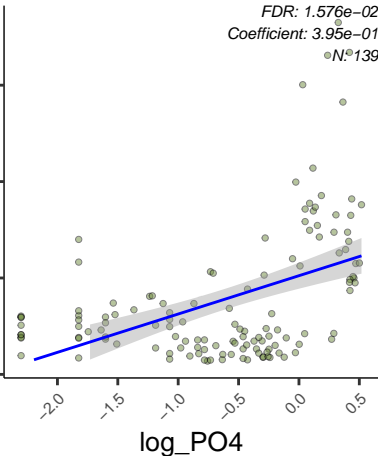
-1.0

-0.5

0.0

0.5

log_PO4



COG0310

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

-2.0

-1.5

-1.0

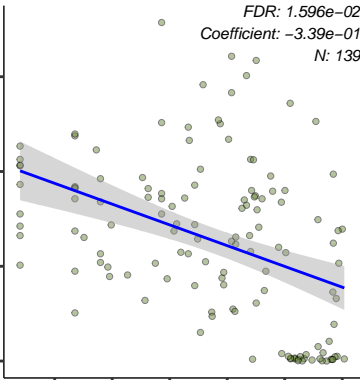
-0.5

0.0

0.5

log_PO4

FDR: 1.596e-02
Coefficient: -3.39e-01
N: 139



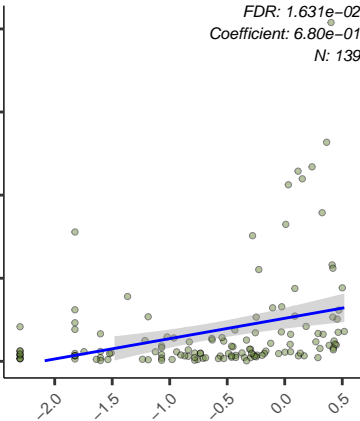
COG3310

FDR: 1.631e-02
Coefficient: 6.80e-01
N: 139

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

-2.0 -1.5 -1.0 -0.5 0.0 0.5

log_PO4



COG3656

FDR: 1.646e-02
Coefficient: 7.63e-01
N: 139

4e-05

2e-05

0e+00

-2.0

-1.5

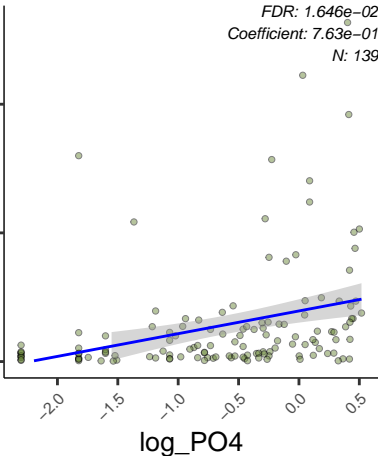
-1.0

-0.5

0.0

0.5

log_PO4



COG1737

FDR: 1.678e-02
Coefficient: 2.84e-01
N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

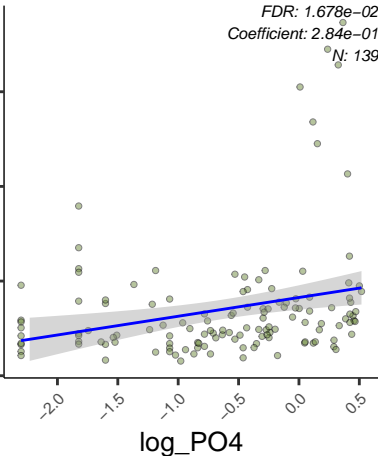
-1.0

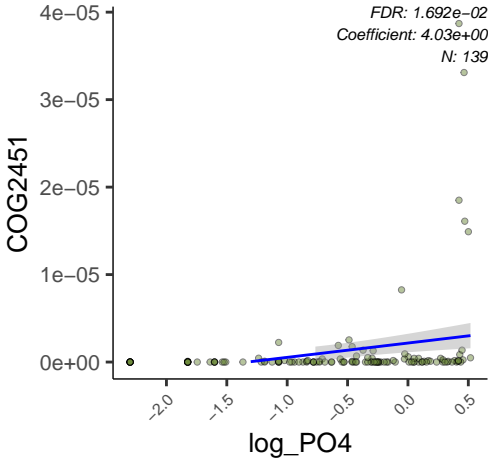
-0.5

0.0

0.5

log_PO4





COG2938

FDR: 1.697e-02
Coefficient: 1.53e-01
N: 139

0.00012

0.00008

0.00004

-2.0

-1.5

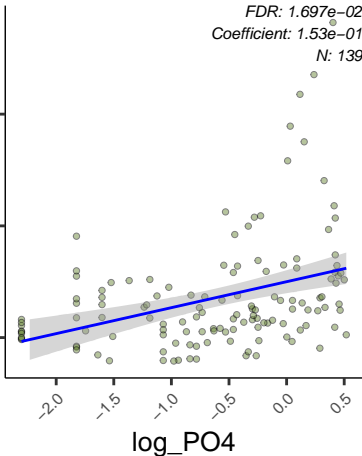
-1.0

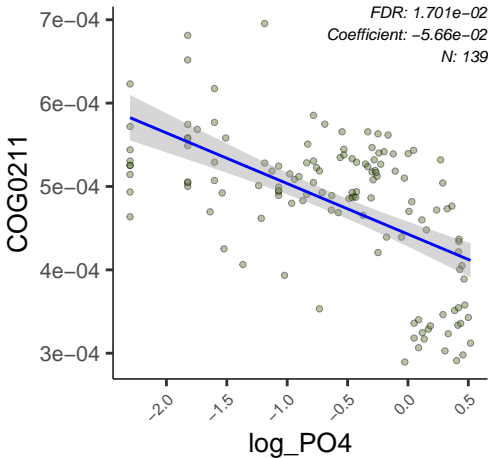
-0.5

0.0

0.5

log_PO4





COG2815

FDR: 1.712e-02
Coefficient: -2.93e-01
N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

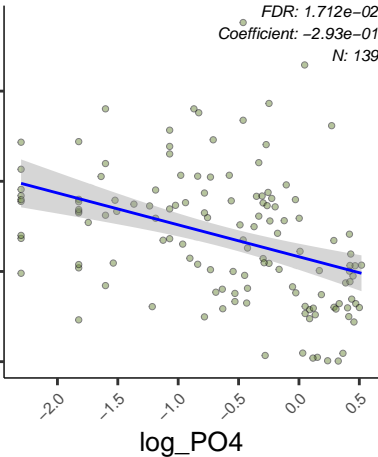
-1.0

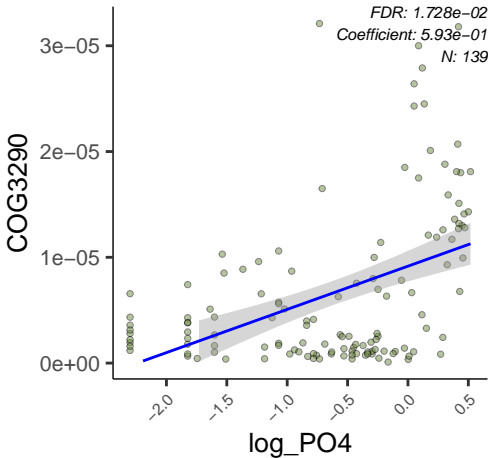
-0.5

0.0

0.5

log_PO4





COG1847

FDR: 1.768e-02
Coefficient: -2.93e-01
N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

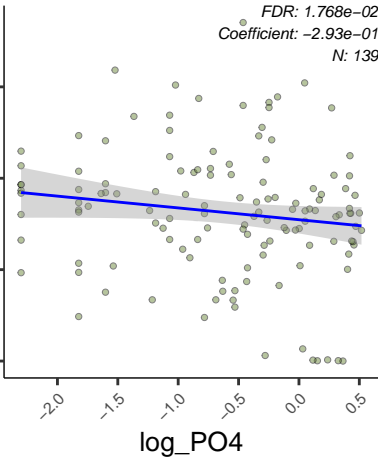
-1.0

-0.5

0.0

0.5

log_PO4



COG3187

FDR: 1.769e-02
Coefficient: 6.93e-01
N: 139

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

-2.0

-1.5

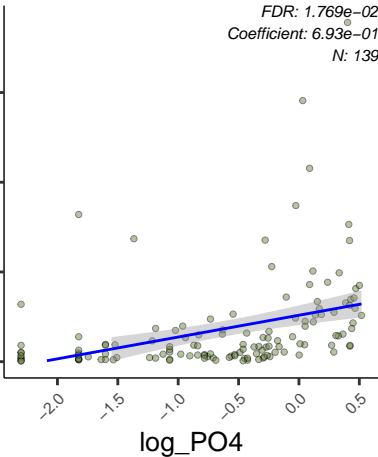
-1.0

-0.5

0.0

0.5

log_PO4



COG3059

FDR: 1.789e-02

Coefficient: 8.85e-01

N: 139

3e-05

2e-05

1e-05

0e+00

log_PO4

-2.0

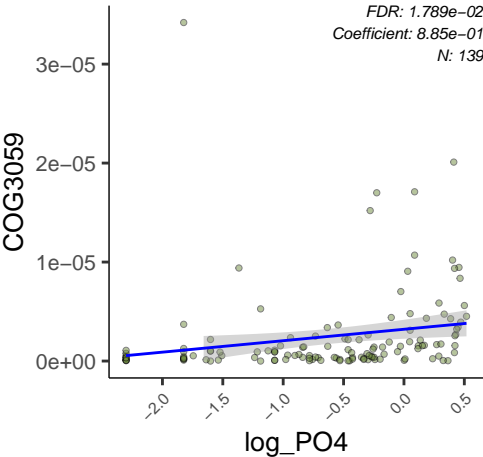
-1.5

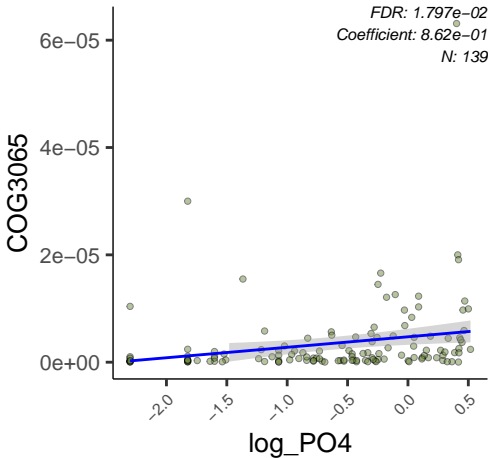
-1.0

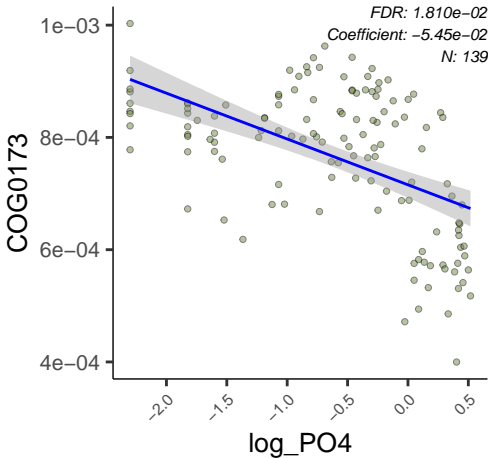
-0.5

0.0

0.5







COG3913

FDR: 1.819e-02
Coefficient: 1.12e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

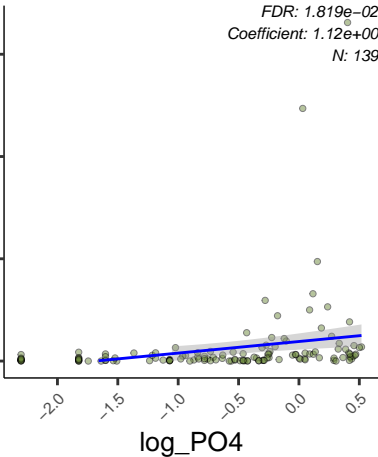
-1.0

-0.5

0.0

0.5

log_PO4



COG3460

FDR: 1.823e-02
Coefficient: 2.19e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

-2.0

-1.5

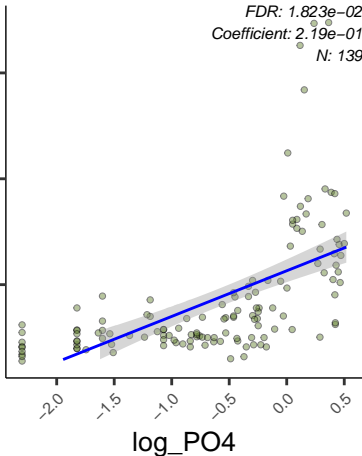
-1.0

-0.5

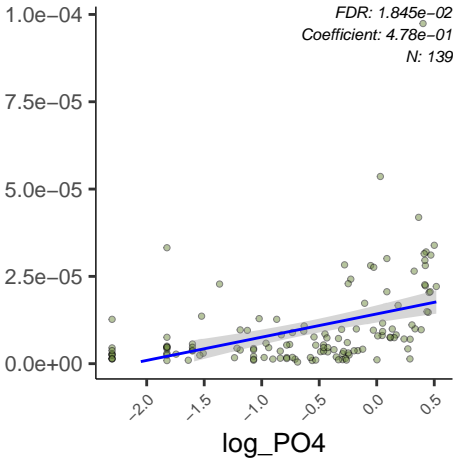
0.0

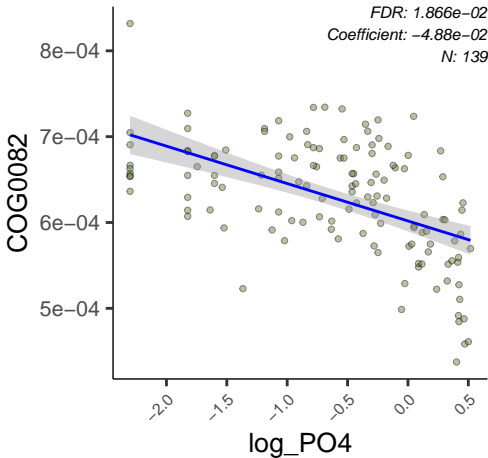
0.5

log_PO4



COG3117





COG3326

FDR: 1.911e-02
Coefficient: 8.34e-01
N: 139

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

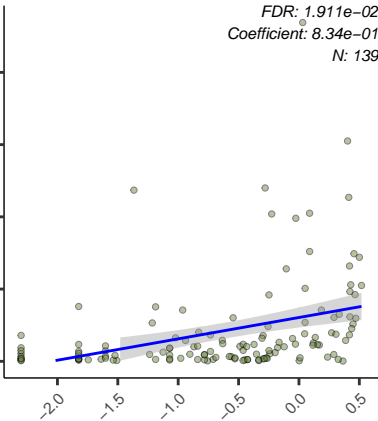
-1.0

-0.5

0.0

0.5

log_PO4



COG1944

FDR: 1.922e-02
Coefficient: 7.48e-01
N: 139

4e-05

2e-05

0e+00

-2.0

-1.5

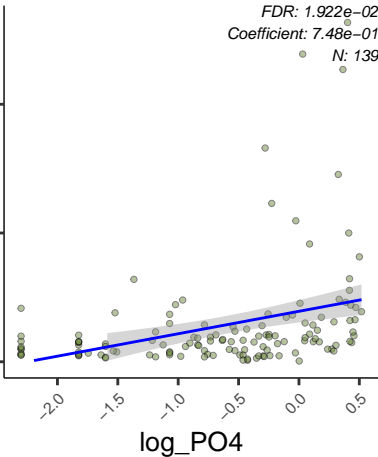
-1.0

-0.5

0.0

0.5

log_PO4



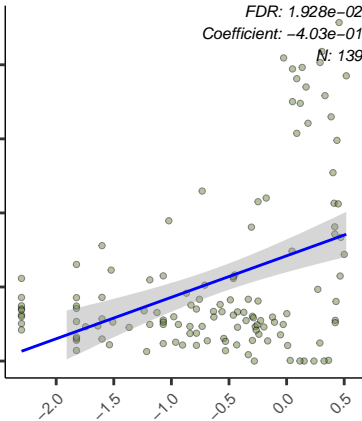
COG2178

0.00020
0.00015
0.00010
0.00005
0.00000

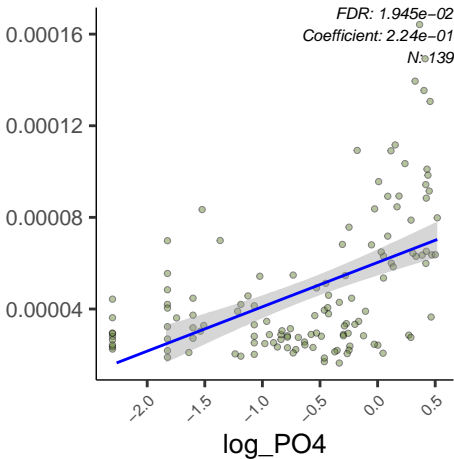
-2.0 -1.5 -1.0 -0.5 0.0 0.5

log_PO4

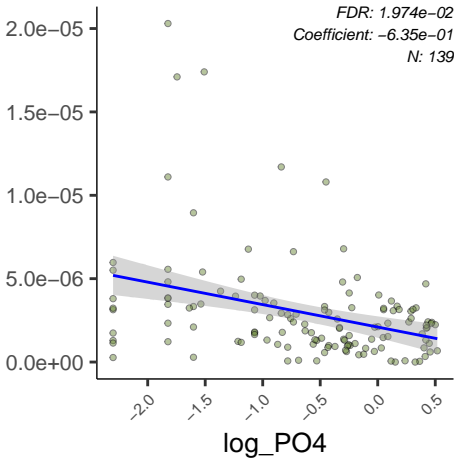
FDR: 1.928e-02
Coefficient: -4.03e-01
N: 139



COG4148



COG4689



COG1670

FDR: 1.989e-02
Coefficient: 1.77e-01
N: 139

6e-04

4e-04

2e-04

-2.0

-1.5

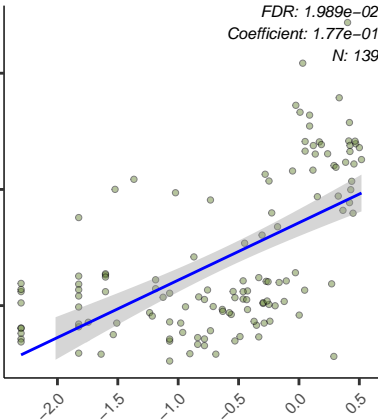
-1.0

-0.5

0.0

0.5

log_PO4



COG2969

FDR: 1.995e-02
Coefficient: 2.83e-01
N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

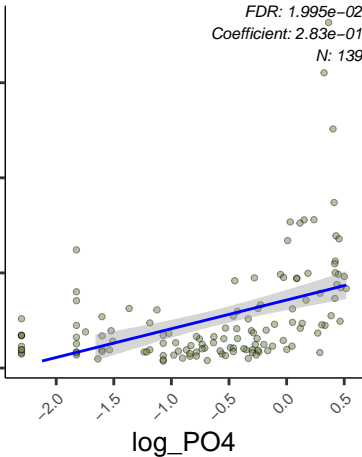
-1.0

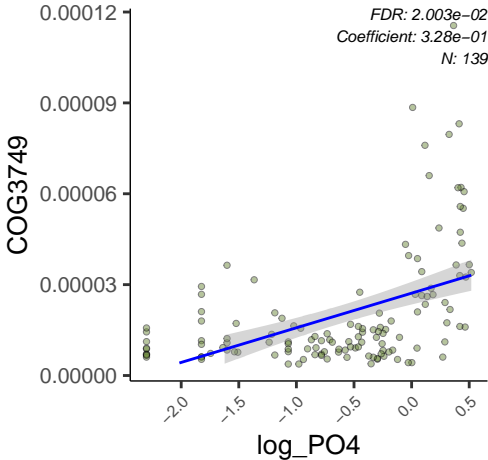
-0.5

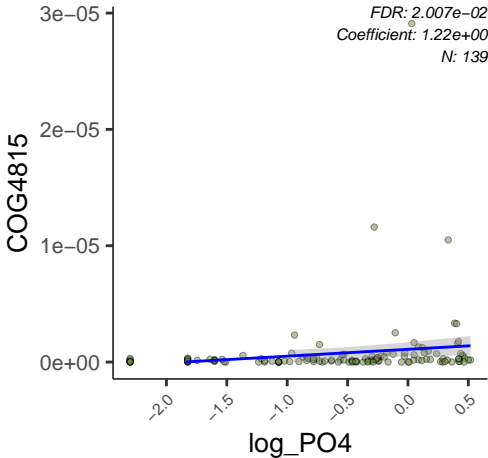
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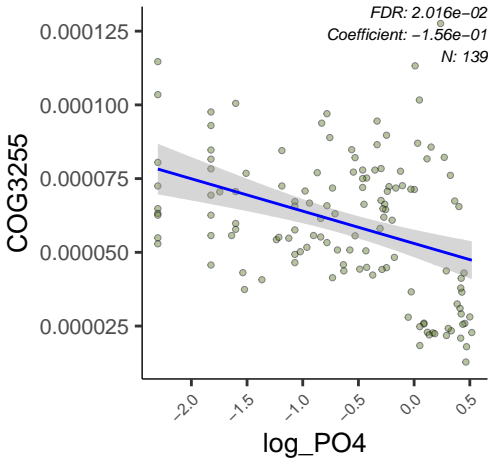
0.5

log_PO4



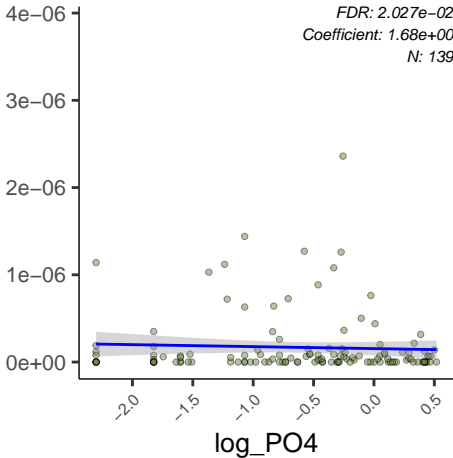


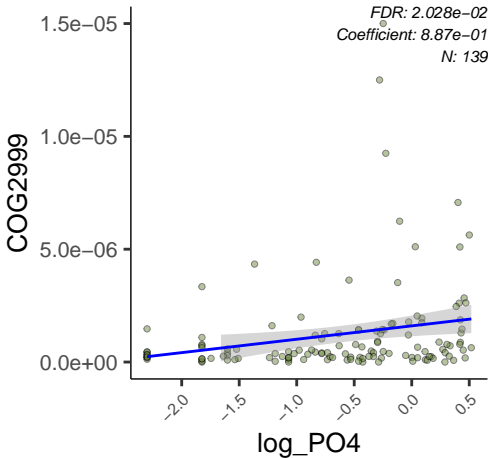




COG4189

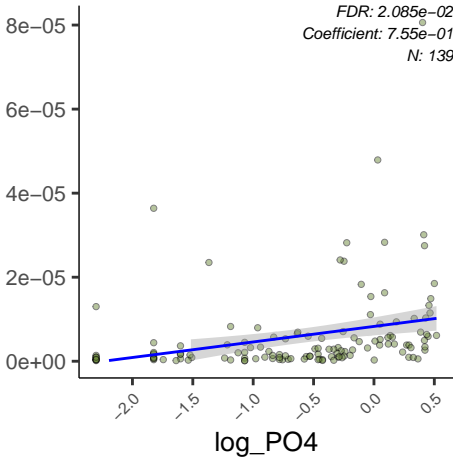
FDR: 2.027e-02
Coefficient: 1.68e+00
N: 139





COG3106

FDR: 2.085e-02
Coefficient: 7.55e-01
N: 139



COG2833

FDR: 2.121e-02
Coefficient: 4.11e-01
N: 139

1e-04

5e-05

0e+00

-2.0

-1.5

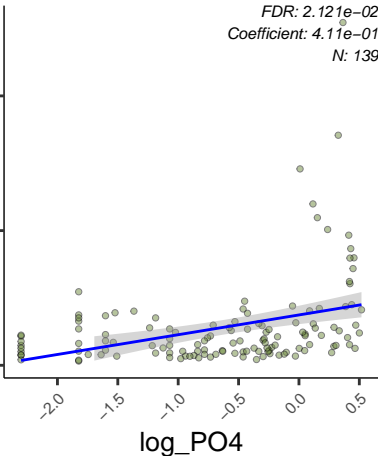
-1.0

-0.5

0.0

0.5

log_PO4



COG3176

FDR: 2.129e-02

Coefficient: -2.16e-01

N: 139

6e-04

4e-04

2e-04

0e+00

-2.0

-1.5

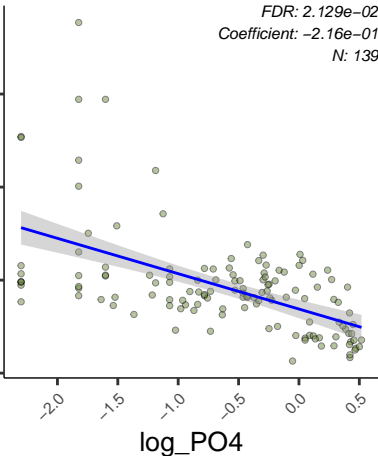
-1.0

-0.5

0.0

0.5

log_PO4



COG5293

FDR: 2.139e-02
Coefficient: 8.73e-01
N: 139

6e-06

4e-06

2e-06

0e+00

-2.0

-1.5

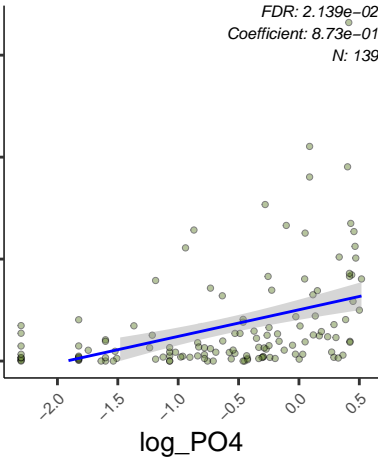
-1.0

-0.5

0.0

0.5

log_PO4



COG2137

0.00020

0.00015

0.00010

-2.0

-1.5

-1.0

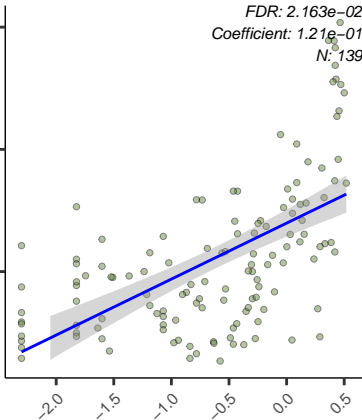
-0.5

0.0

0.5

log_PO4

FDR: 2.163e-02
Coefficient: 1.21e-01
N: 139



COG1623

FDR: 2.166e-02

Coefficient: -3.53e-01

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

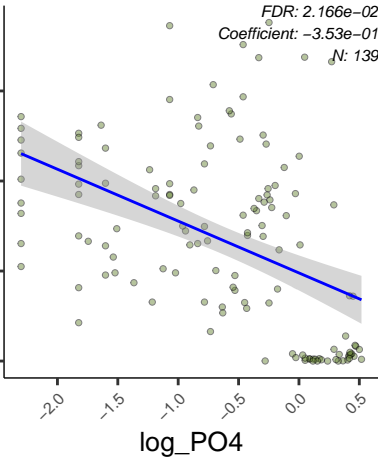
-1.0

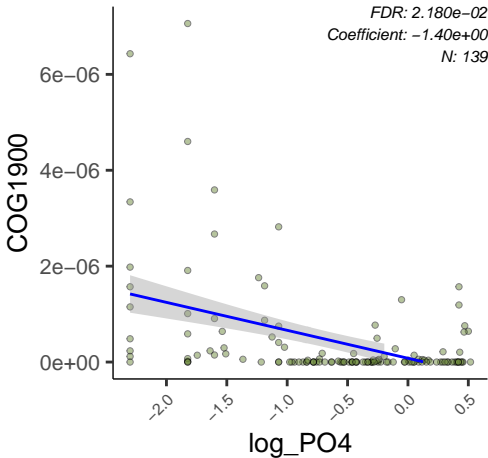
-0.5

0.0

0.5

log_PO4





COG1380

FDR: 2.192e-02
Coefficient: 5.97e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

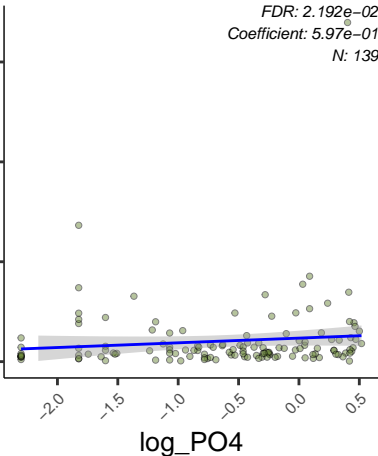
-1.0

-0.5

0.0

0.5

log_PO4



COG3865

FDR: 2.194e-02

Coefficient: 6.75e-01

N: 139

2e-05

1e-05

0e+00

-2.0

-1.5

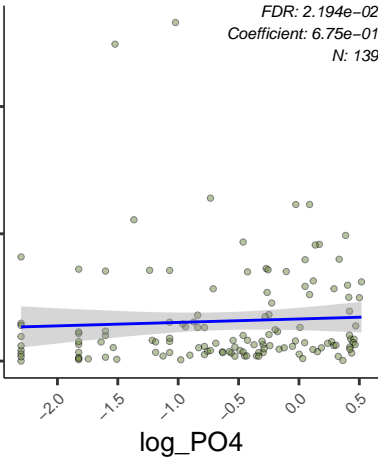
-1.0

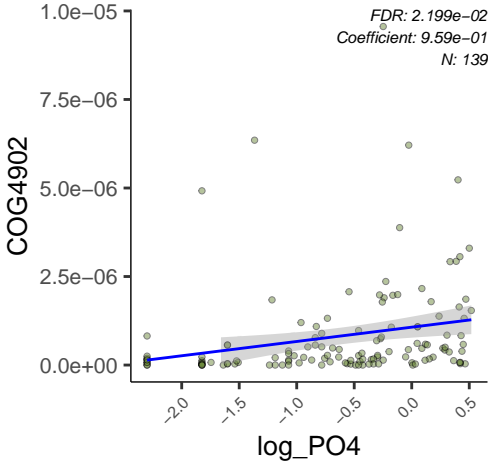
-0.5

0.0

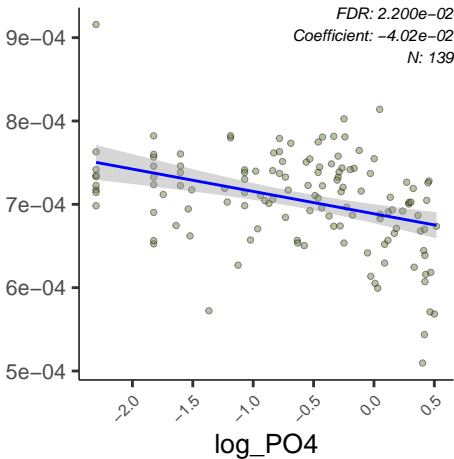
0.5

log_PO4





COG0533



COG0269

FDR: 2.203e-02
Coefficient: 4.72e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

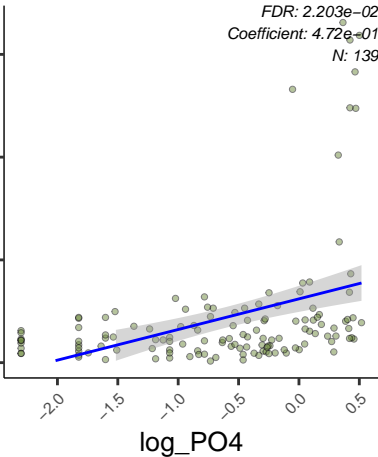
-1.0

-0.5

0.0

0.5

log_PO4



COG3101

FDR: 2.216e-02
Coefficient: 4.58e-01
N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

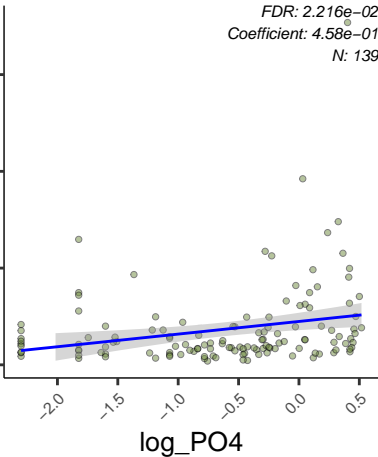
-1.0

-0.5

0.0

0.5

log_PO4



COG4804

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

-2.0

-1.5

-1.0

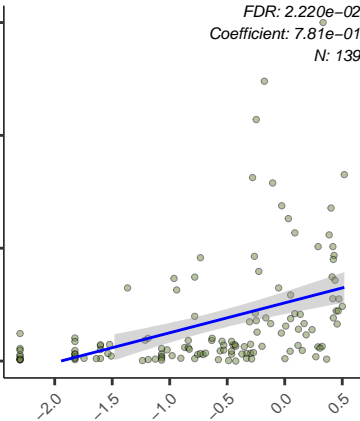
-0.5

0.0

0.5

log_PO4

FDR: 2.220e-02
Coefficient: 7.81e-01
N: 139



COG3847

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

-2.0

-1.5

-1.0

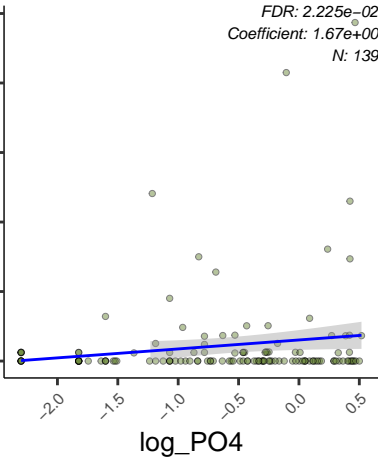
-0.5

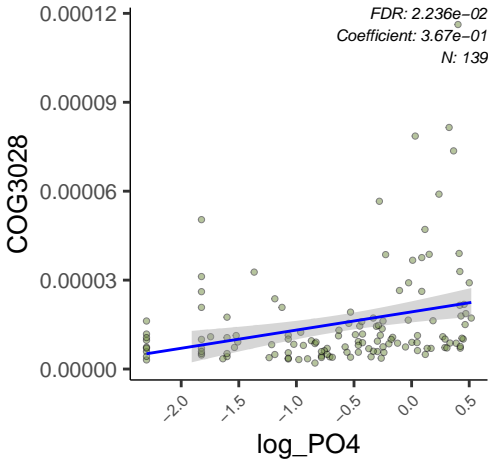
0.0

0.5

log_PO4

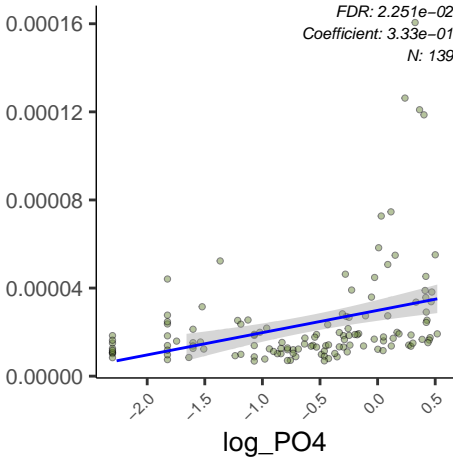
FDR: 2.225e-02
Coefficient: 1.67e+00
N: 139





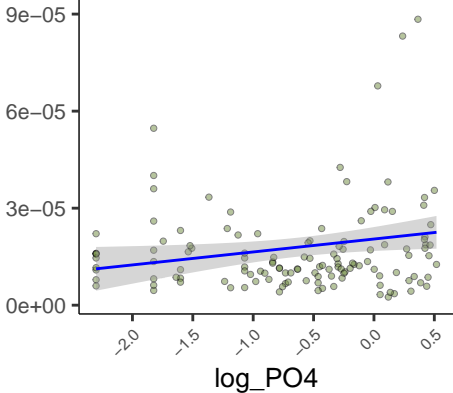
COG2981

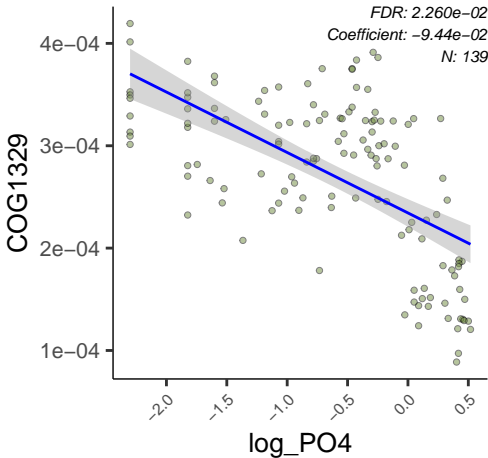
FDR: 2.251e-02
Coefficient: 3.33e-01
N: 139



COG5345

FDR: 2.252e-02
Coefficient: 3.59e-01
N: 139





COG2827

FDR: 2.261e-02

Coefficient: 2.29e-01

N: 139

0.00015

0.00010

0.00005

-2.0

-1.5

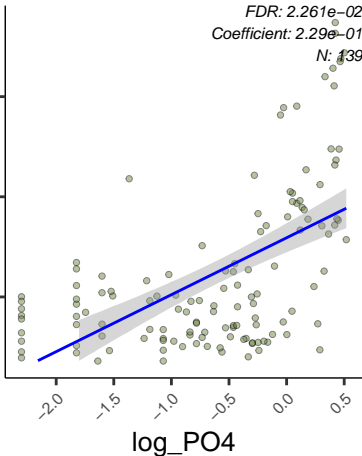
-1.0

-0.5

0.0

0.5

log_PO4



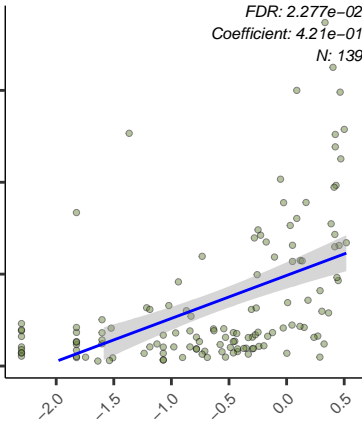
COG4585

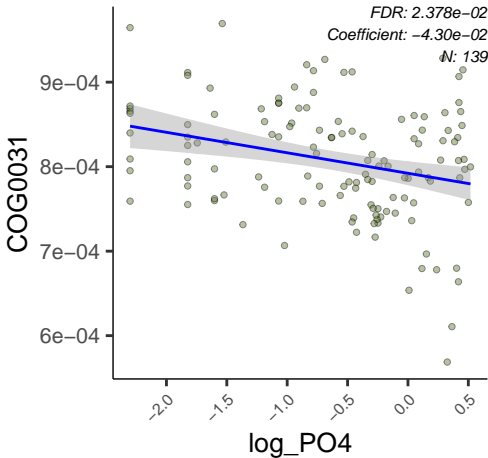
FDR: 2.277e-02
Coefficient: 4.21e-01
N: 139

0.00015
0.00010
0.00005
0.00000

-2.0 -1.5 -1.0 -0.5 0.0 0.5

log_PO4





COG1757

FDR: 2.384e-02
Coefficient: 1.77e-01
N: 139

4e-04

3e-04

2e-04

1e-04

-2.0

-1.5

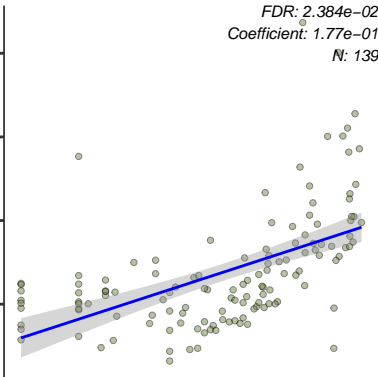
-1.0

-0.5

0.0

0.5

log_PO4



COG3144

FDR: 2.433e-02
Coefficient: 5.78e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

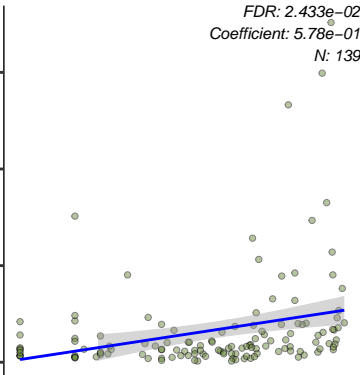
-1.0

-0.5

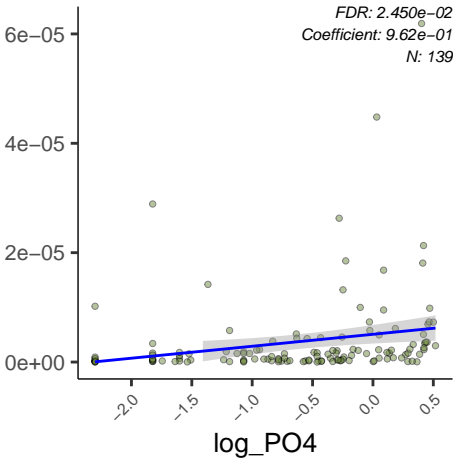
0.0

0.5

log_PO4



COG4785



COG3071

FDR: 2.480×10^{-2}
Coefficient: 2.61×10^{-1}
N: 139

1×10^{-4}

5×10^{-5}

0×10^0

-2.0

-1.5

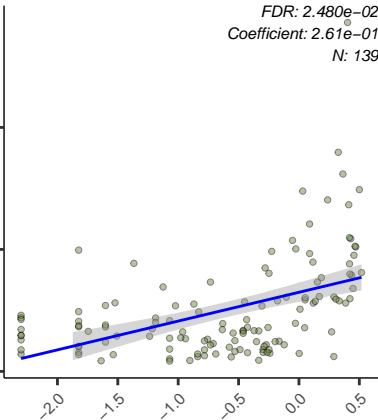
-1.0

-0.5

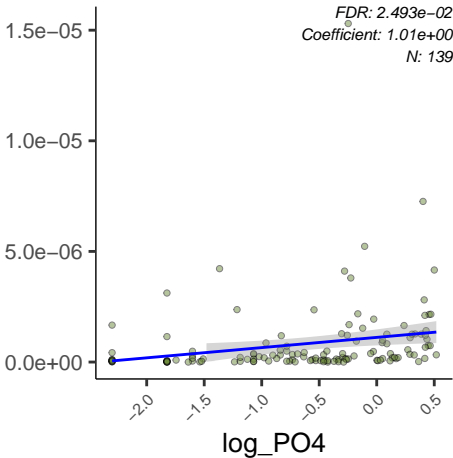
0.0

0.5

log_PO4



COG3447



COG4519

FDR: 2.497e-02
Coefficient: 9.71e-01
N: 139

1e-05

5e-06

0e+00

-2.0

-1.5

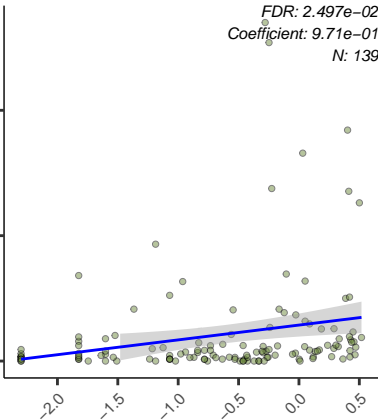
-1.0

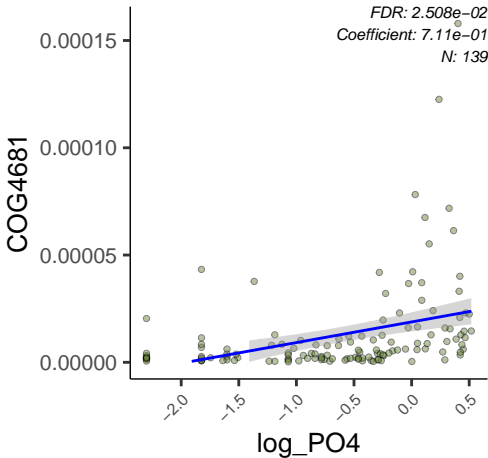
-0.5

0.0

0.5

log_PO4





COG4373

FDR: 2.509e-02
Coefficient: 7.30e-01
N: 139

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

-2.0

-1.5

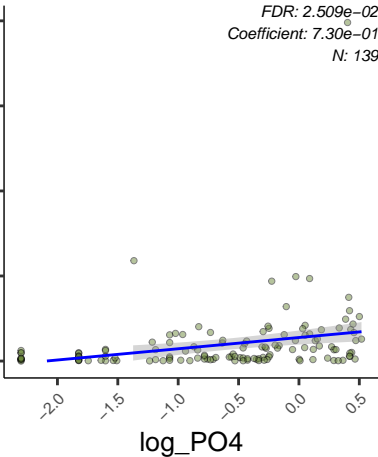
-1.0

-0.5

0.0

0.5

log_PO4



COG3073

FDR: 2.544e-02
Coefficient: 6.25e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

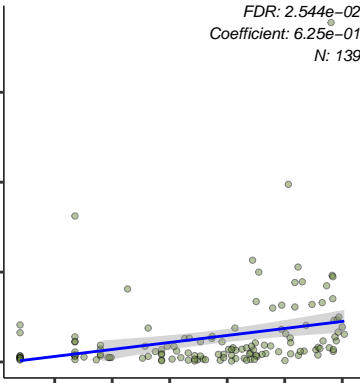
-1.0

-0.5

0.0

0.5

log_PO4



COG2761

FDR: 2.544e-02
Coefficient: 1.83e-01
N: 139

2e-04

1e-04

-2.0

-1.5

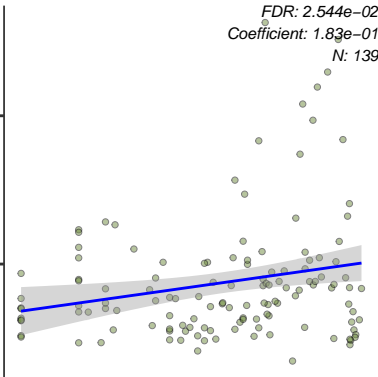
-1.0

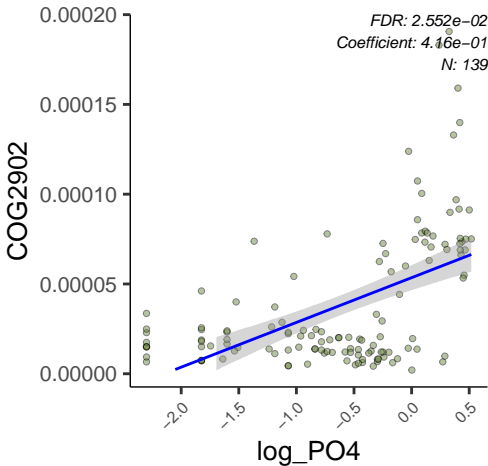
-0.5

0.0

0.5

log_PO4





COG3789

FDR: 2.556e-02
Coefficient: 8.19e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

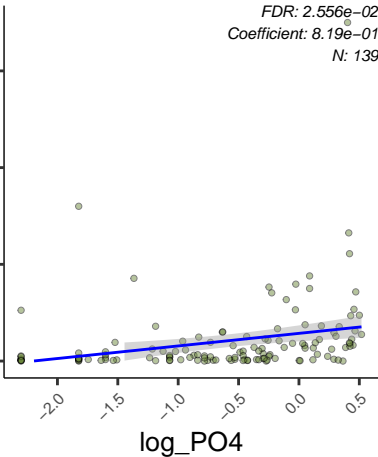
-1.0

-0.5

0.0

0.5

log_PO4



COG0472

FDR: 2.572e-02

Coefficient: -5.76e-02

N: 139

0.0012

0.0010

0.0008

0.0006

-2.0

-1.5

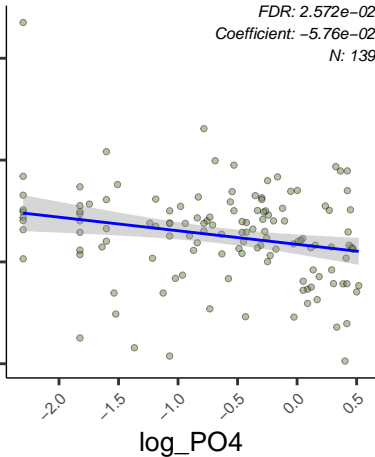
-1.0

-0.5

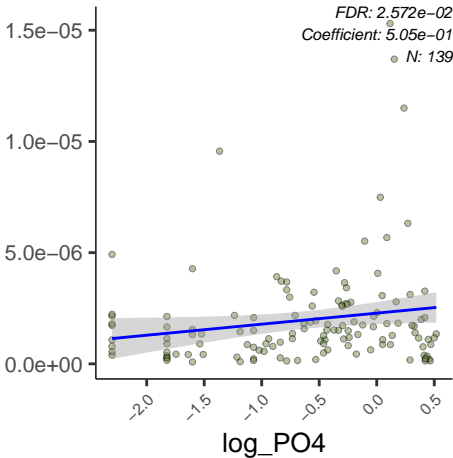
0.0

0.5

log_PO4



COG4909



COG1510

FDR: 2.573e-02
Coefficient: 3.69e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

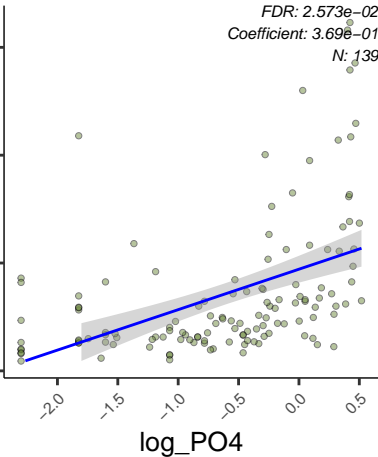
-1.0

-0.5

0.0

0.5

log_PO4



COG3110

FDR: 2.583e-02
Coefficient: 1.13e+00
N: 139

6e-06

4e-06

2e-06

0e+00

log_PO4

-2.0

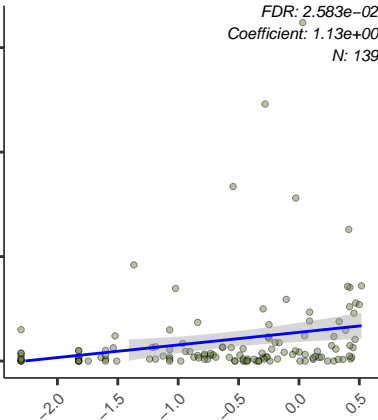
-1.5

-1.0

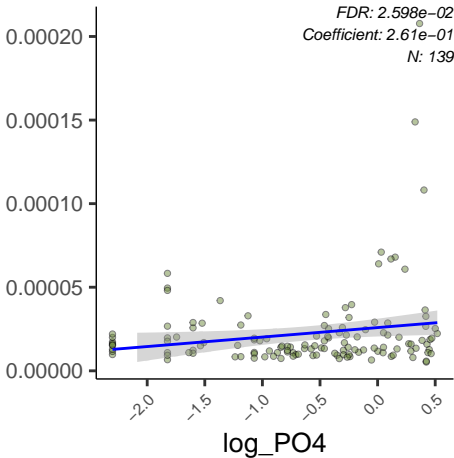
-0.5

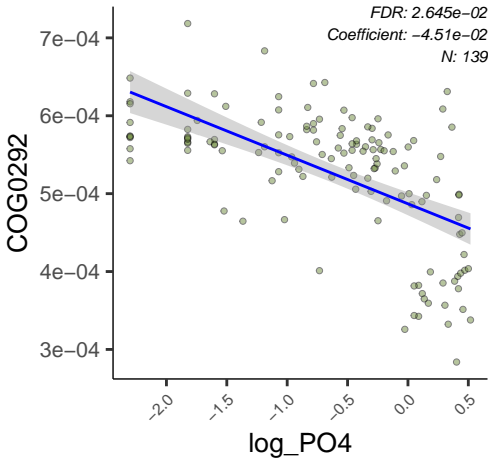
0.0

0.5

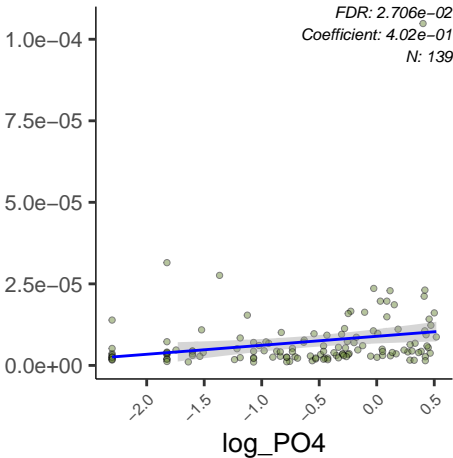


COG2850

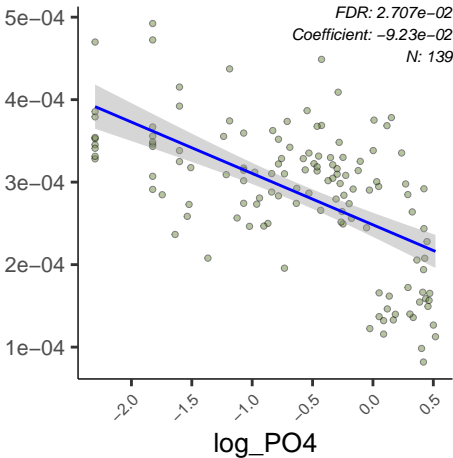




COG1334



COG3474



COG0537

9e-04

8e-04

7e-04

6e-04

-2.0

-1.5

-1.0

-0.5

0.0

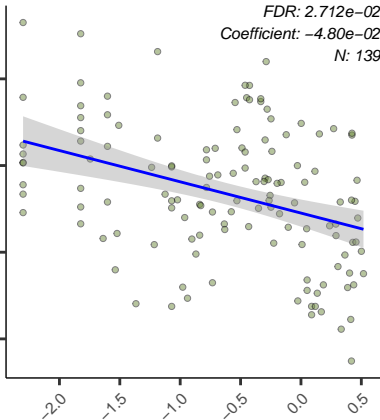
0.5

log_PO4

FDR: 2.712e-02

Coefficient: -4.80e-02

N: 139



COG5404

FDR: 2.712e-02
Coefficient: 1.00e+00
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

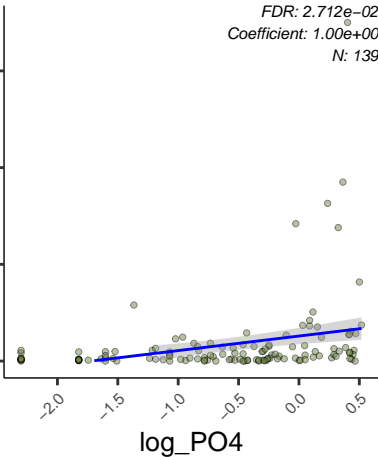
-1.0

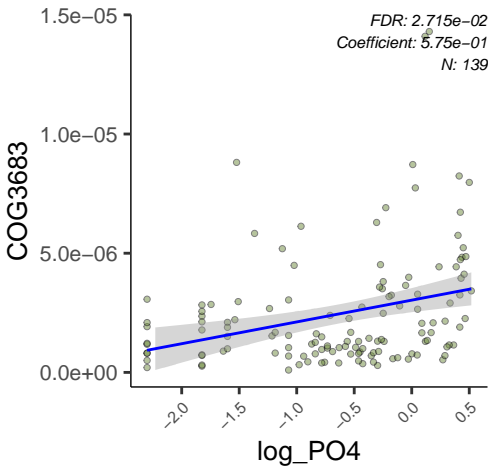
-0.5

0.0

0.5

log_PO4





COG3490

FDR: 2.728e-02
Coefficient: 5.87e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

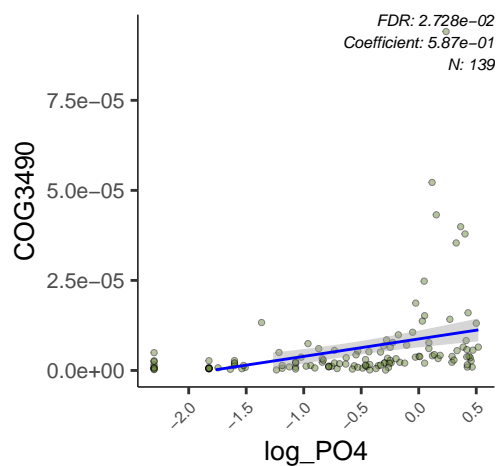
-1.0

-0.5

0.0

0.5

log_PO4



COG3553

FDR: 2.728e-02
Coefficient: 6.78e-01
N: 139

1e-05

5e-06

0e+00

-2.0

-1.5

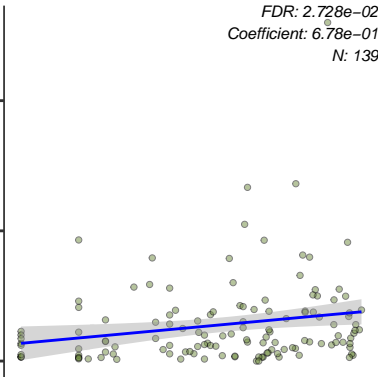
-1.0

-0.5

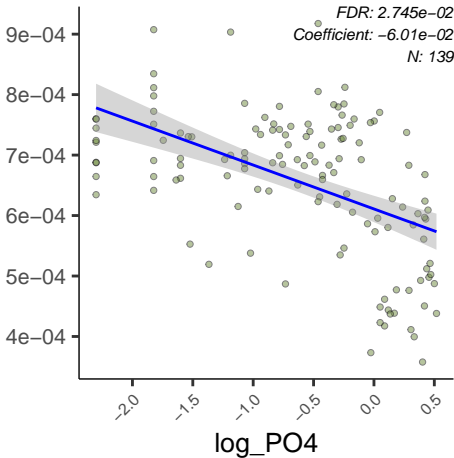
0.0

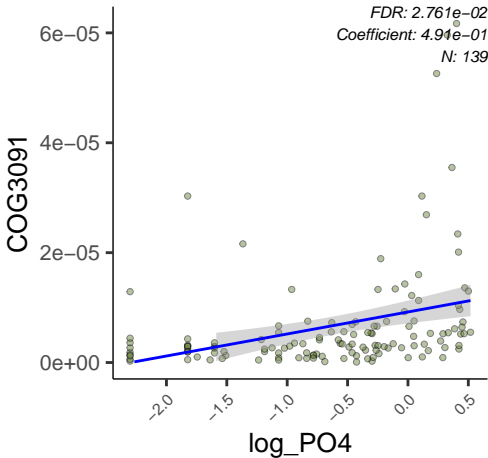
0.5

log_PO4



COG1077





COG5302

FDR: 2.778e-02
Coefficient: 7.67e-01
N: 139

2.0e-05

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

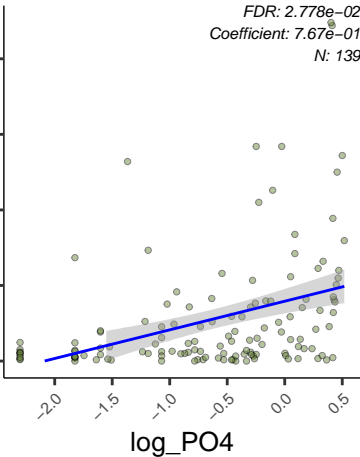
-1.0

-0.5

0.0

0.5

log_PO4



COG3575

FDR: 2.779e-02
Coefficient: 6.96e-01
N: 139

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

-2.0

-1.5

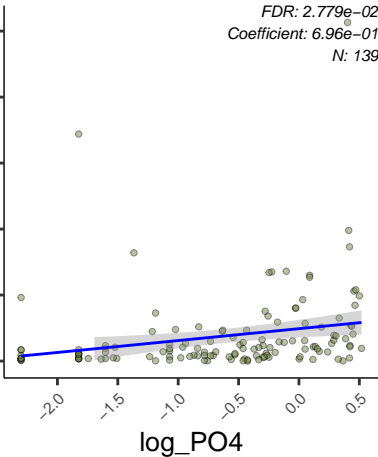
-1.0

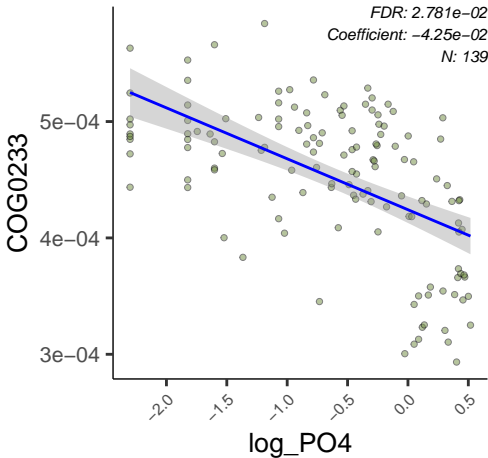
-0.5

0.0

0.5

log_PO4





COG3063

FDR: 2.823e-02
Coefficient: 4.39e-01
N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

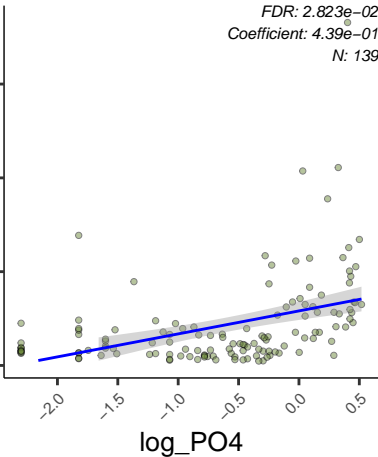
-1.0

-0.5

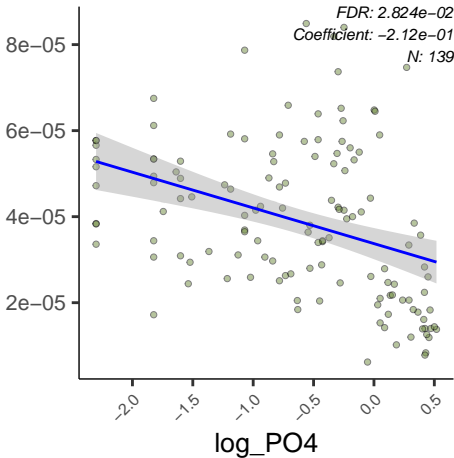
0.0

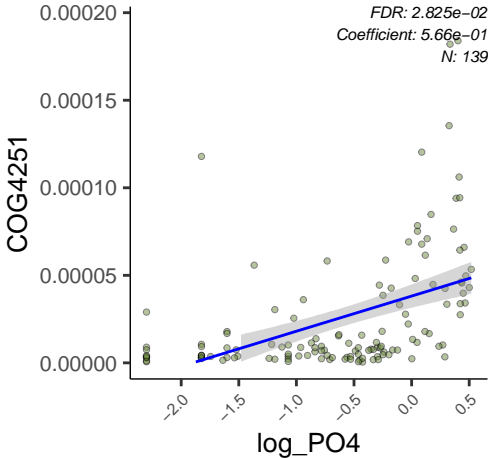
0.5

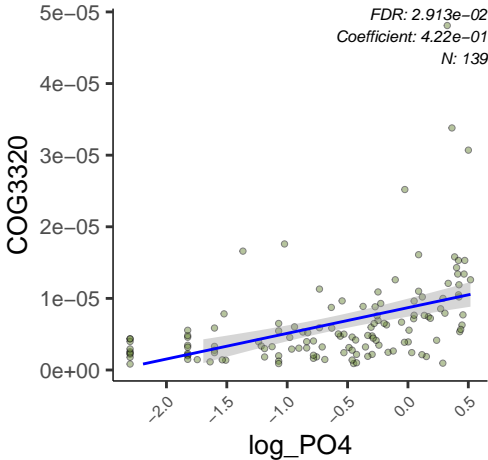
log_PO4



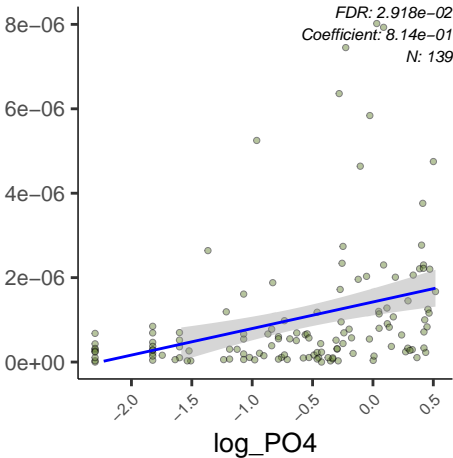
COG2340



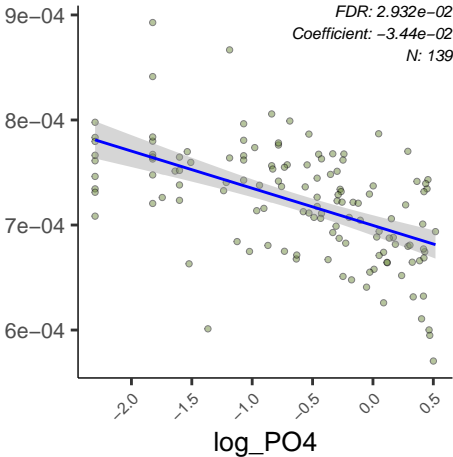




COG3322



COG0372



COG4104

FDR: 2.932e-02

Coefficient: 5.17e-01

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

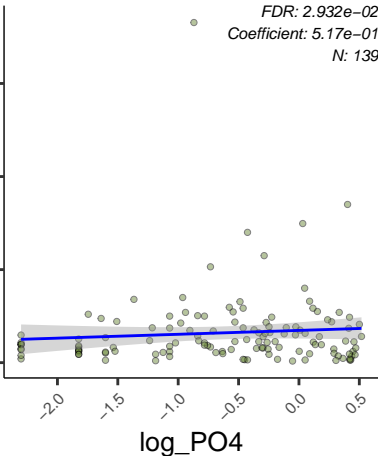
-1.0

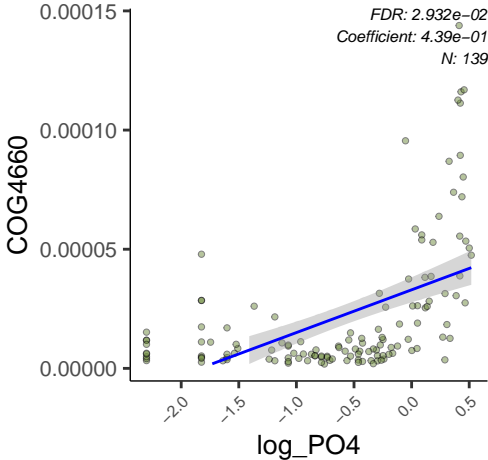
-0.5

0.0

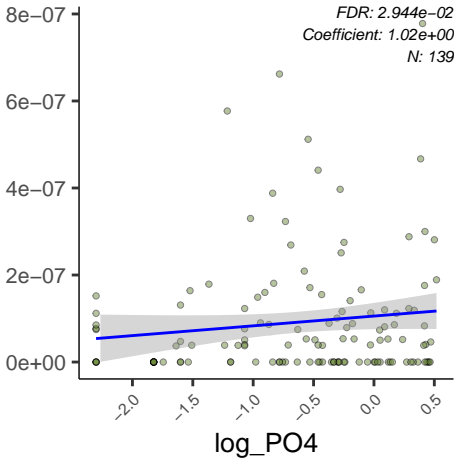
0.5

log_PO4





COG4449



COG4782

FDR: 2.953e-02
Coefficient: 5.20e-01
N: 139

7.5e-06

5.0e-06

2.5e-06

0.0e+00

-2.0

-1.5

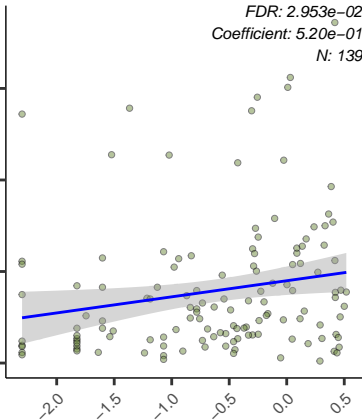
-1.0

-0.5

0.0

0.5

log_PO4



COG3147

FDR: 2.957e-02
Coefficient: 4.68e-01
N: 139

7.5e-05

5.0e-05

2.5e-05

0.0e+00

-2.0

-1.5

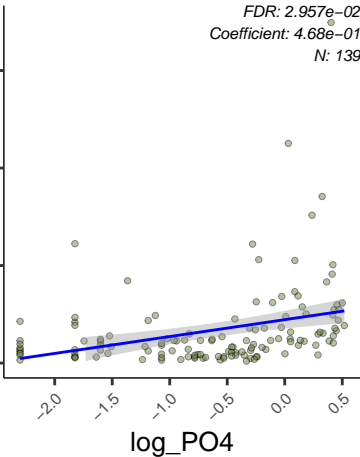
-1.0

-0.5

0.0

0.5

log_PO4



COG3721

FDR: 3.054e-02
Coefficient: 1.70e+00
N: 139

3e-06

2e-06

1e-06

0e+00

log_PO4

-2.0

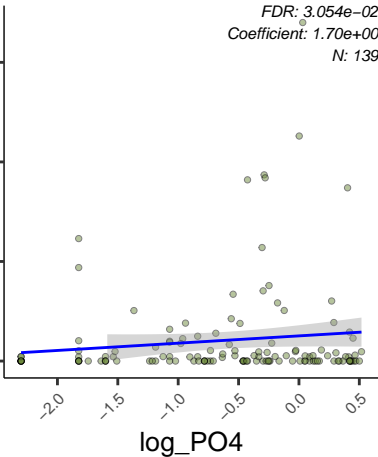
-1.5

-1.0

-0.5

0.0

0.5



COG3148

FDR: 3.069e-02
Coefficient: 7.06e-01
N: 139

0.00020

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

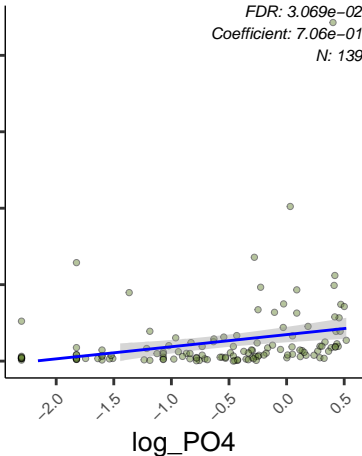
-1.0

-0.5

0.0

0.5

log_PO4



COG1317

FDR: 3.083×10^{-2}
Coefficient: 4.22×10^{-1}
N: 139

1×10^{-4}

5×10^{-5}

0×10^0

-2.0

-1.5

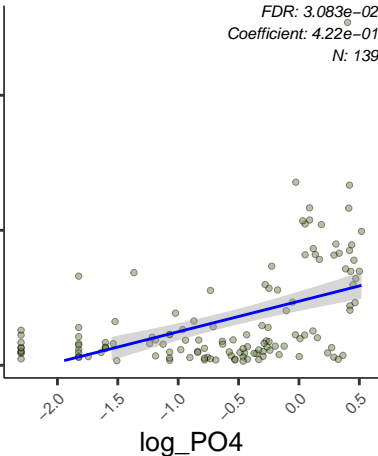
-1.0

-0.5

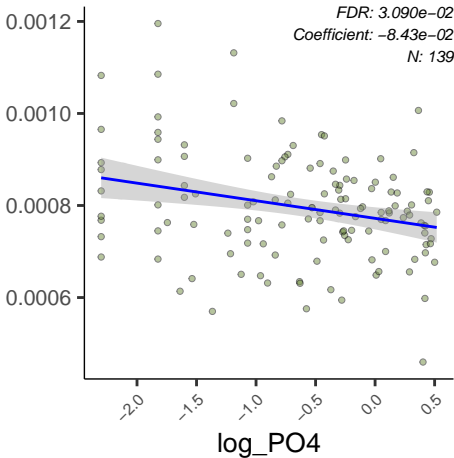
0.0

0.5

log_PO4



COG3808



COG0121

FDR: $3.111\text{e-}02$
Coefficient: $4.02\text{e-}01$
N: 139

$7.5\text{e-}05$

$5.0\text{e-}05$

$2.5\text{e-}05$

$0.0\text{e+}00$

-2.0

-1.5

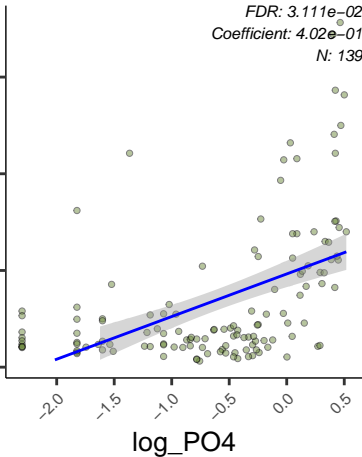
-1.0

-0.5

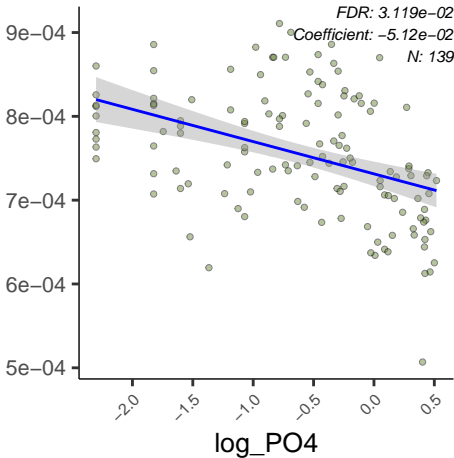
0.0

0.5

log_PO4

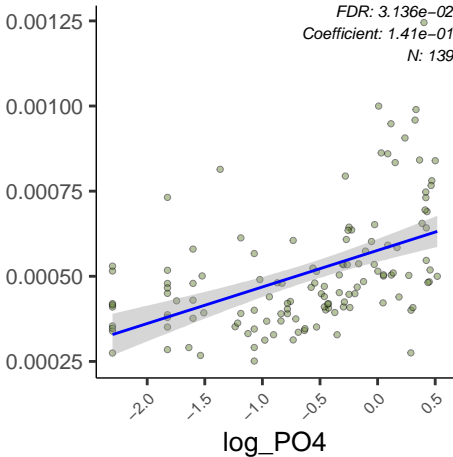


COG0504



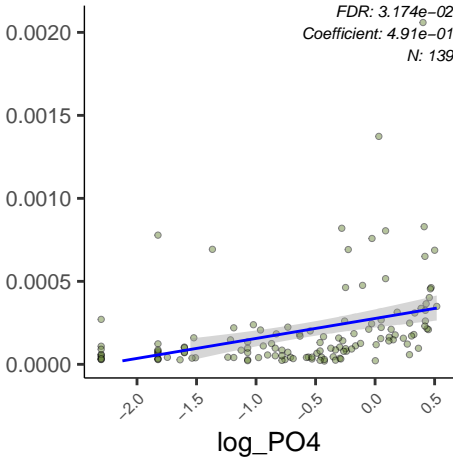
COG1595

FDR: 3.136e-02
Coefficient: 1.41e-01
N: 139

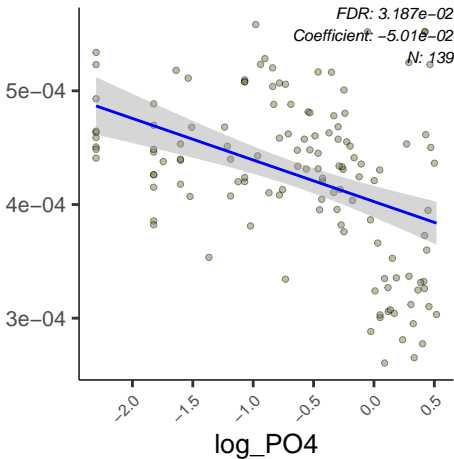


COG2199

FDR: 3.174e-02
Coefficient: 4.91e-01
N: 139



COG0416



COG2942

FDR: 3.206e-02
Coefficient: 2.30e-01
N: 139

6e-05

4e-05

2e-05

-2.0

-1.5

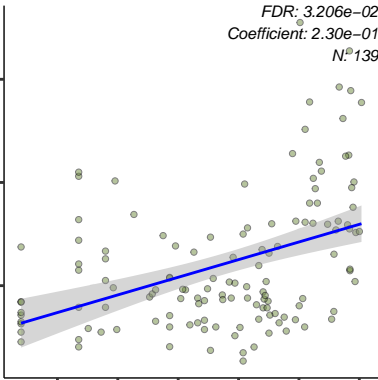
-1.0

-0.5

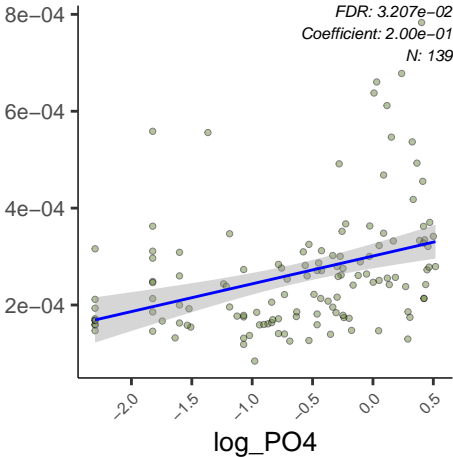
0.0

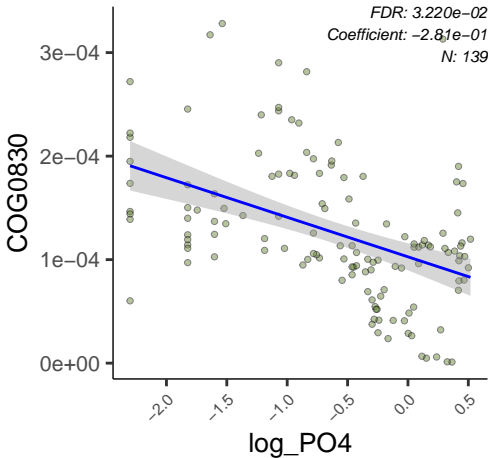
0.5

log_PO4

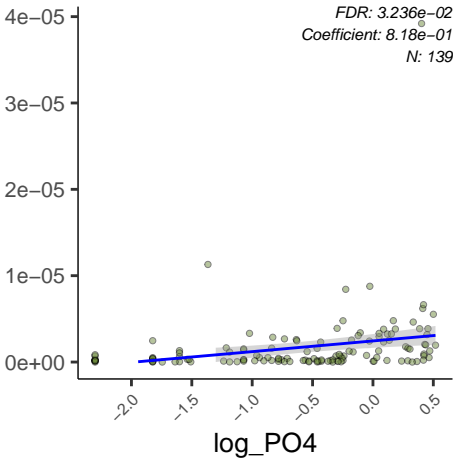


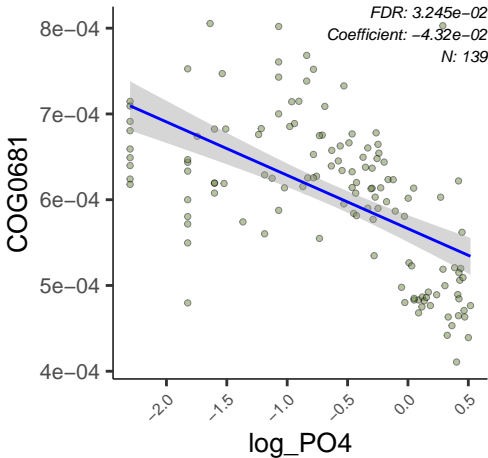
COG1609





COG4388





COG3739

FDR: 3.267e-02
Coefficient: 6.66e-01
N: 139

2.0e-05

1.5e-05

1.0e-05

5.0e-06

0.0e+00

-2.0

-1.5

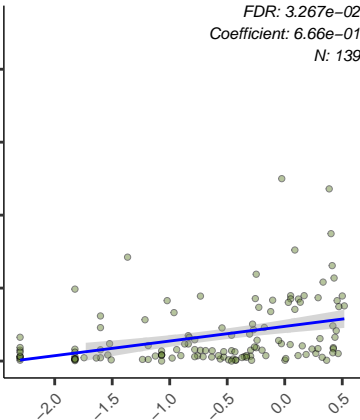
-1.0

-0.5

0.0

0.5

log_PO4



COG1351

FDR: $3.284\text{e-}02$
Coefficient: $-7.11\text{e-}02$
N: 139

$7\text{e-}04$

$6\text{e-}04$

$5\text{e-}04$

$4\text{e-}04$

$3\text{e-}04$

-2.0

-1.5

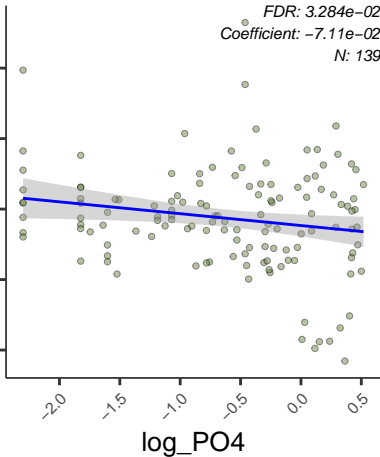
-1.0

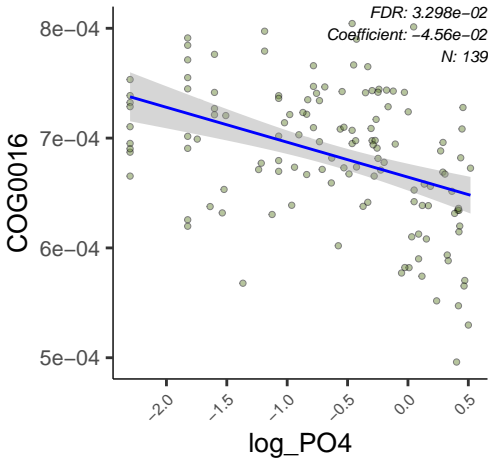
-0.5

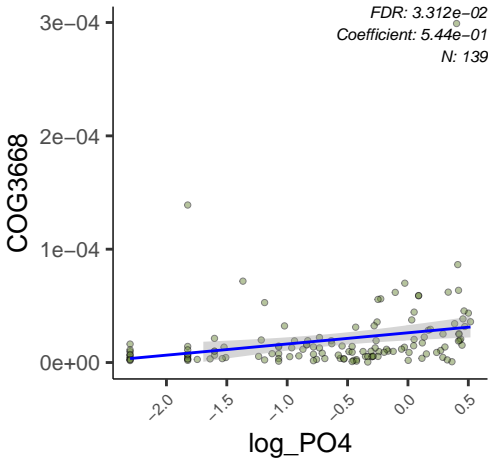
0.0

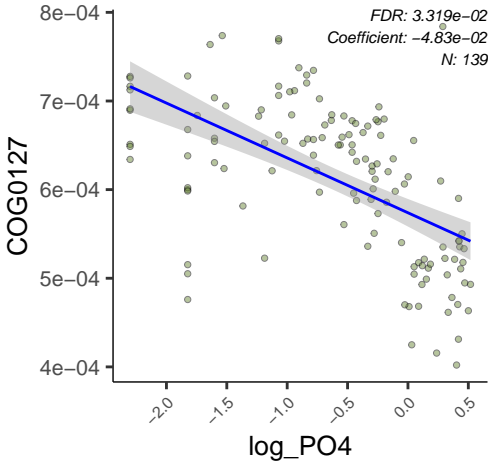
0.5

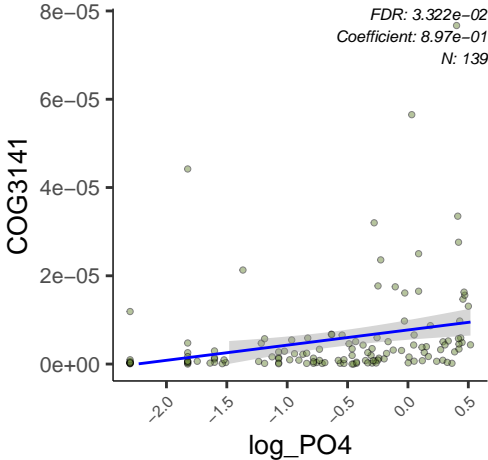
log_PO4

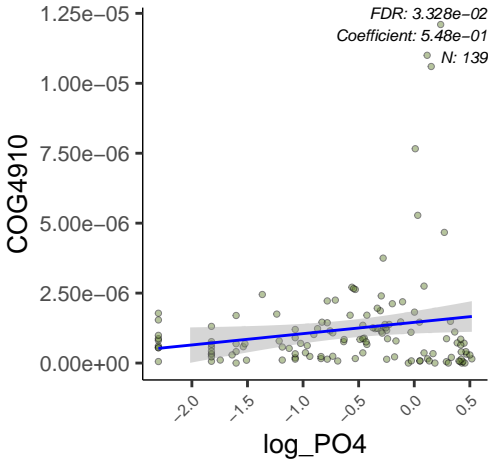


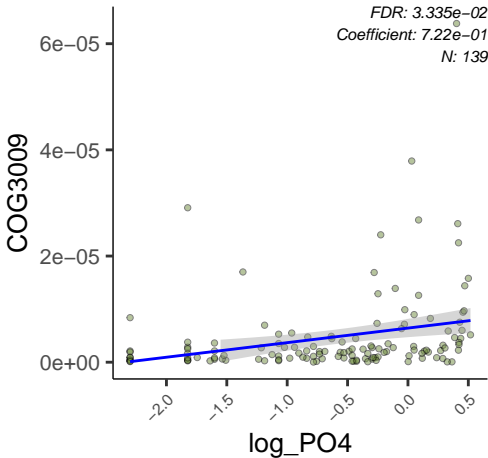


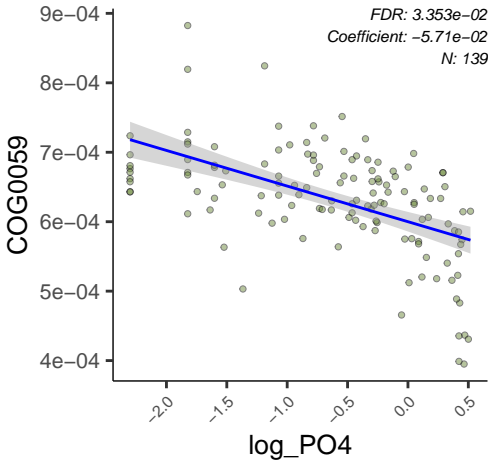












COG3488

FDR: 3.380e-02
Coefficient: 2.34e-01
N: 139

1e-04

5e-05

-2.0

-1.5

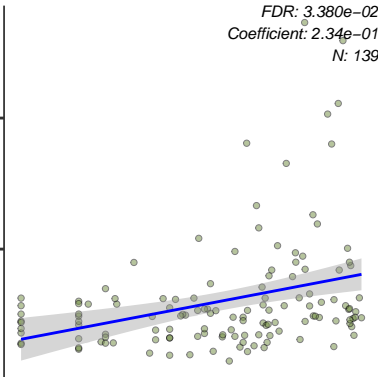
-1.0

-0.5

0.0

0.5

log_PO4



COG4772

FDR: 3.390e-02
Coefficient: 1.47e-01
N: 139

4e-04

3e-04

2e-04

1e-04

-2.0

-1.5

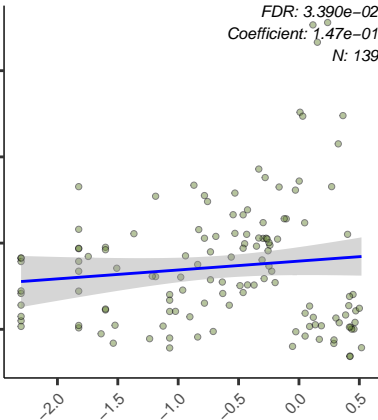
-1.0

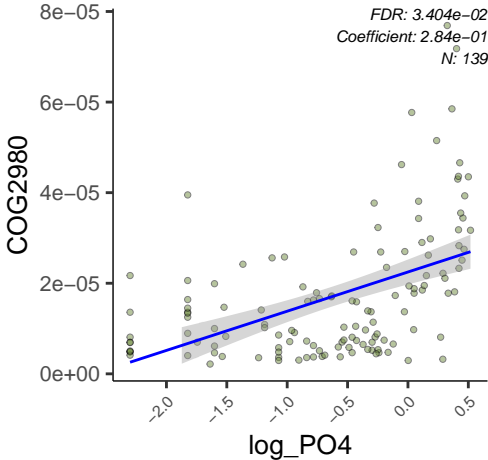
-0.5

0.0

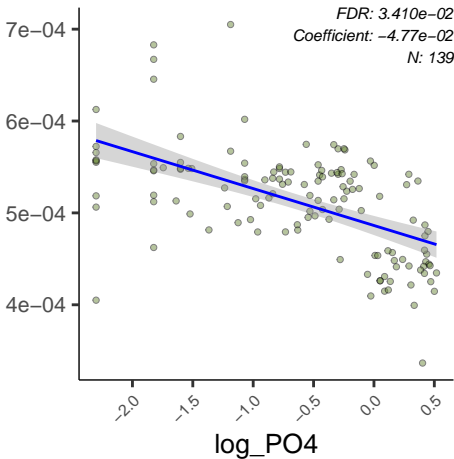
0.5

log_PO4





COG0093



COG3768

FDR: $3.421\text{e-}02$
Coefficient: $7.49\text{e-}01$
N: 139

$6\text{e-}05$

$4\text{e-}05$

$2\text{e-}05$

$0\text{e+}00$

-2.0

-1.5

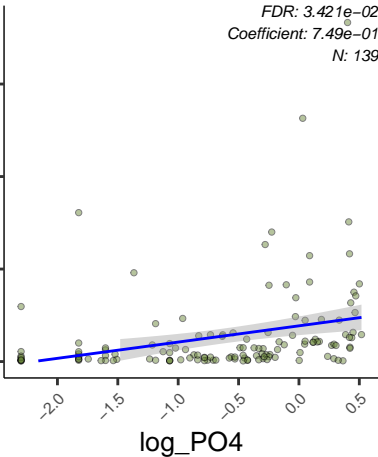
-1.0

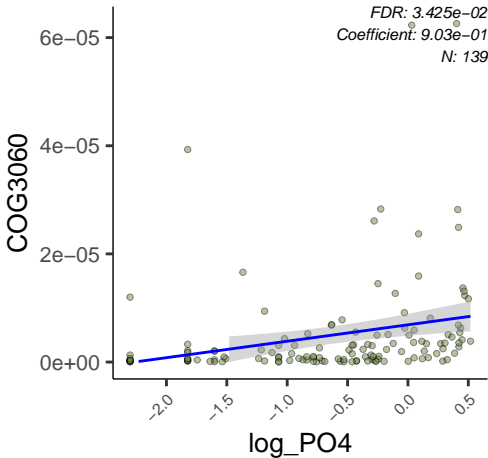
-0.5

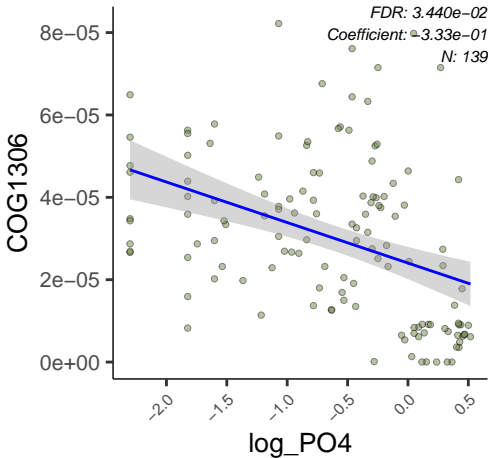
0.0

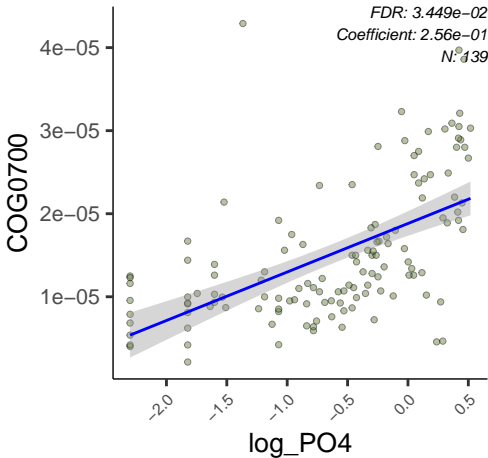
0.5

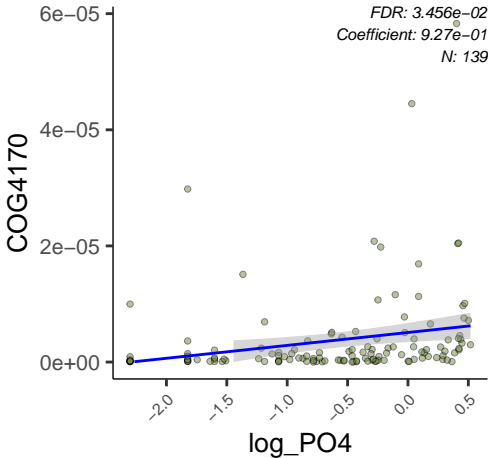
log_PO4











COG1787

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

-0.5

0.0

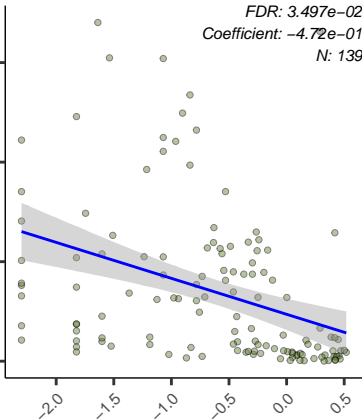
0.5

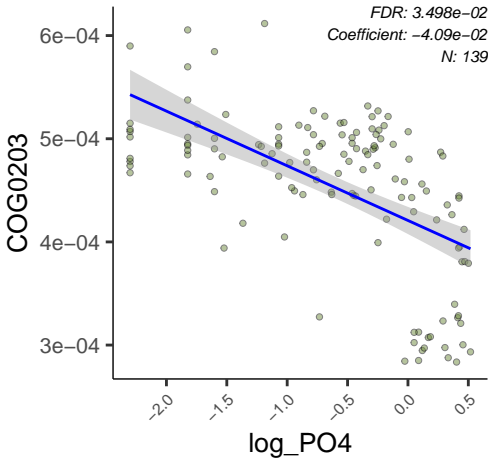
log_PO4

FDR: 3.497e-02

Coefficient: -4.72e-01

N: 139





COG4264

FDR: 3.517e-02
Coefficient: 8.09e-01
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

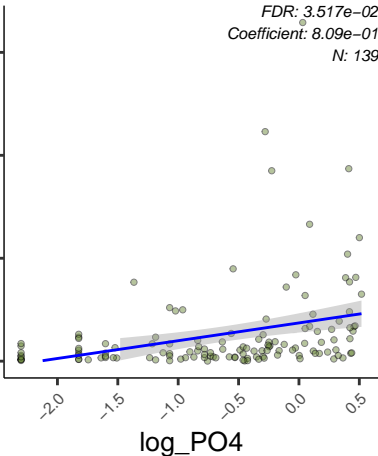
-1.0

-0.5

0.0

0.5

log_PO4



COG1569

FDR: 3.563e-02
Coefficient: 4.84e-01
N: 139

9e-06

6e-06

3e-06

0e+00

-2.0

-1.5

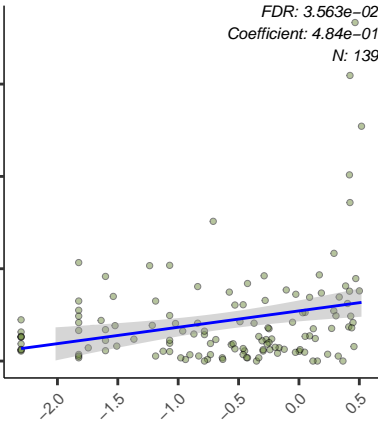
-1.0

-0.5

0.0

0.5

log_PO4



COG5016

FDR: 3.568e-02
Coefficient: 1.59e-01
N: 139

2e-04

1e-04

-2.0

-1.5

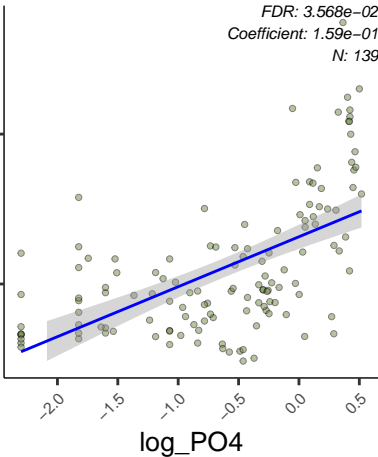
-1.0

-0.5

0.0

0.5

log_PO4



COG4200

FDR: 3.611e-02
Coefficient: 1.12e+00
N: 139

3e-06

2e-06

1e-06

0e+00

-2.0

-1.5

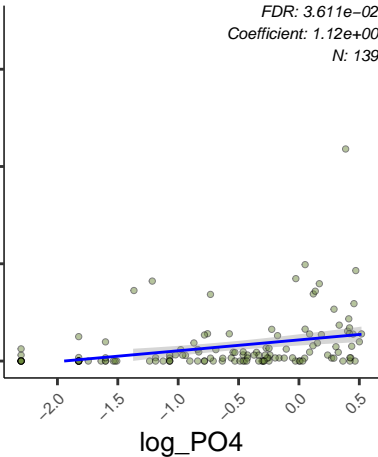
-1.0

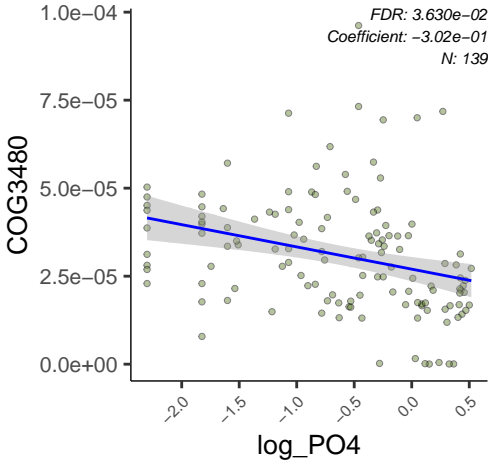
-0.5

0.0

0.5

log_PO4





COG4383

FDR: $3.644\text{e-}02$
Coefficient: $7.09\text{e-}01$
N: 139

$2\text{e-}05$

$1\text{e-}05$

$0\text{e+}00$

-2.0

-1.5

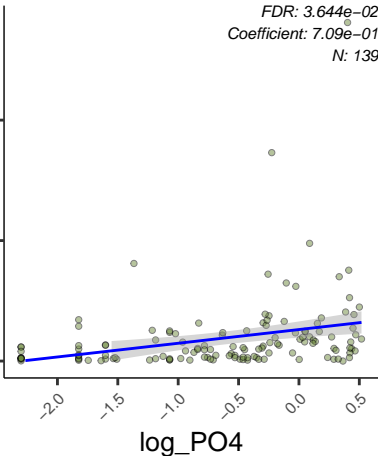
-1.0

-0.5

0.0

0.5

log_PO4



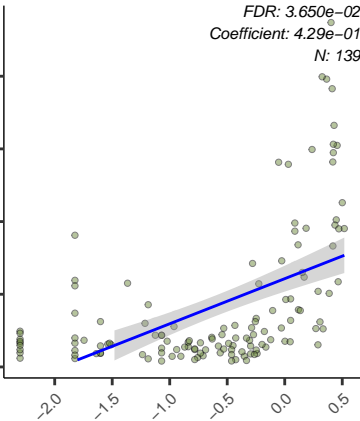
COG4657

FDR: 3.650e-02
Coefficient: 4.29e-01
N: 139

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

-2.0
-1.5
-1.0
-0.5
0.0
0.5

log_PO4



COG1179

FDR: 3.709e-02
Coefficient: 3.55e-01
N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

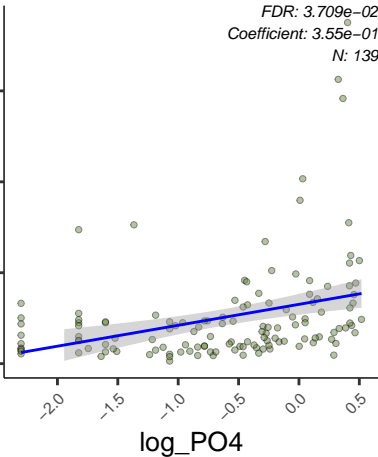
-1.0

-0.5

0.0

0.5

log_PO4



COG1064

FDR: 3.725×10^{-2}
Coefficient: 1.43×10^{-1}
N: 139

5×10^{-4}

4×10^{-4}

3×10^{-4}

2×10^{-4}

1×10^{-4}

-2.0

-1.5

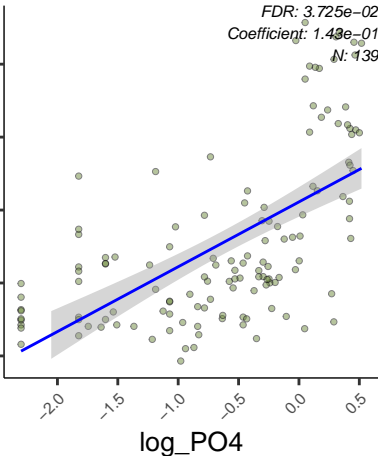
-1.0

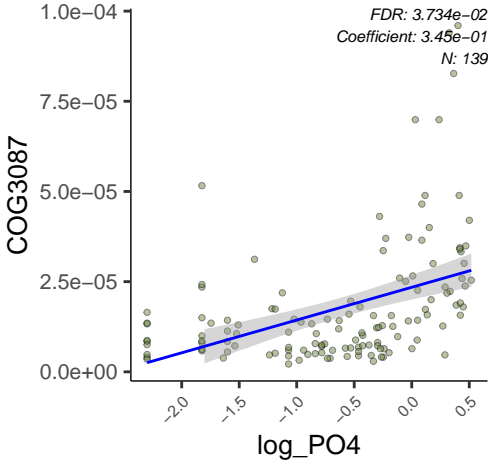
-0.5

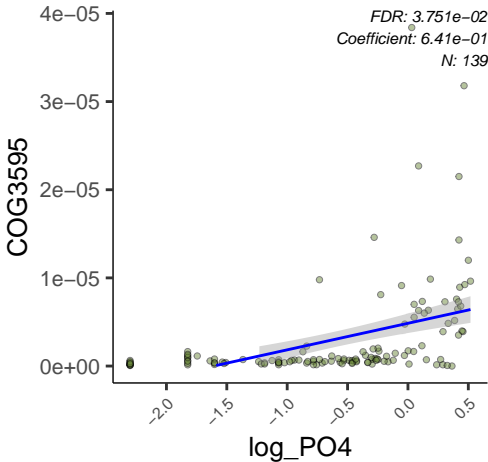
0.0

0.5

log_PO4







COG0835

FDR: $3.768e-02$
Coefficient: $4.16e-01$
N: 139

$4e-04$

$3e-04$

$2e-04$

$1e-04$

$0e+00$

-2.0

-1.5

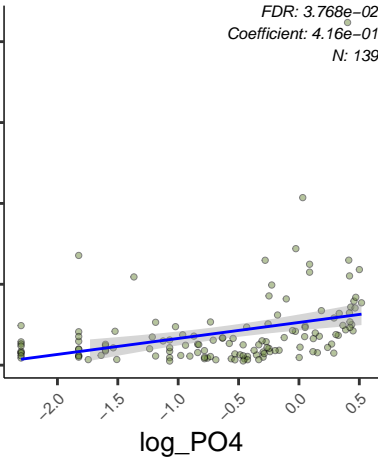
-1.0

-0.5

0.0

0.5

log_PO4



COG3292

FDR: 3.774×10^{-2}
Coefficient: 2.38×10^{-1}
N: 139

3×10^{-4}

2×10^{-4}

1×10^{-4}

-2.0

-1.5

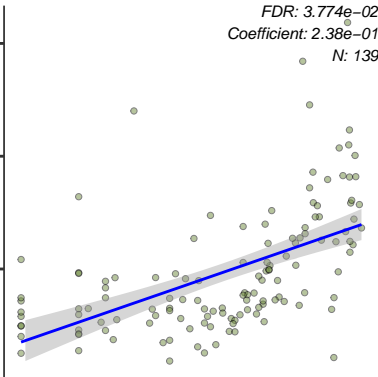
-1.0

-0.5

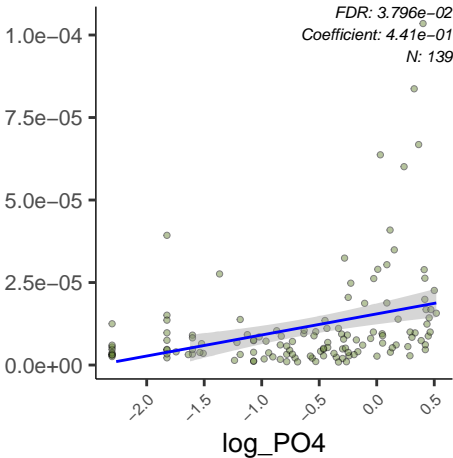
0.0

0.5

log_PO4



COG3026



COG1700

FDR: 3.809e-02
Coefficient: 7.49e-01
N: 139

1e-05

5e-06

0e+00

-2.0

-1.5

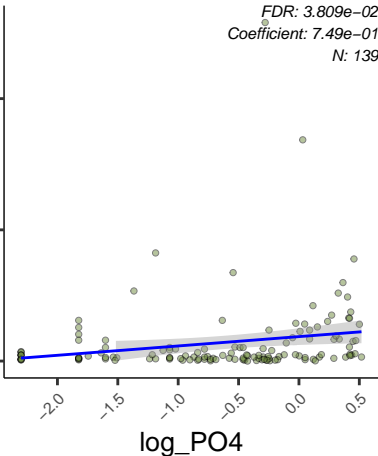
-1.0

-0.5

0.0

0.5

log_PO4



COG0213

2e-04

1e-04

FDR: 3.813e-02

Coefficient: 1.33e-01

N: 139

-2.0

-1.5

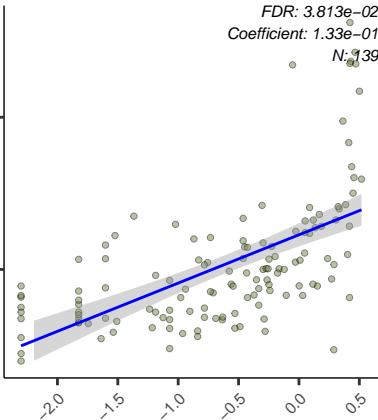
-1.0

-0.5

0.0

0.5

log_PO4



COG3312

FDR: $3.834e-02$
Coefficient: $4.17e-01$
N: 139

$9e-05$

$6e-05$

$3e-05$

$0e+00$

-2.0

-1.5

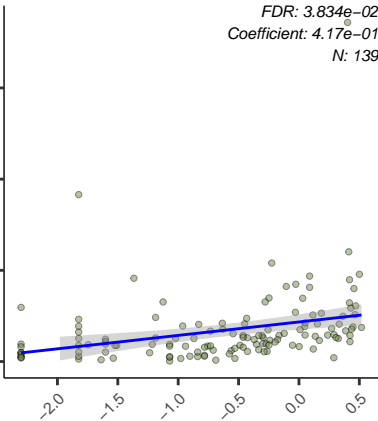
-1.0

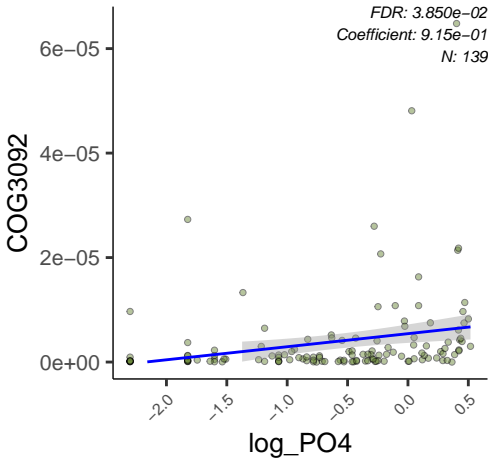
-0.5

0.0

0.5

log_PO4





COG4752

FDR: 3.868e-02
Coefficient: -6.10e-01
N: 139

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

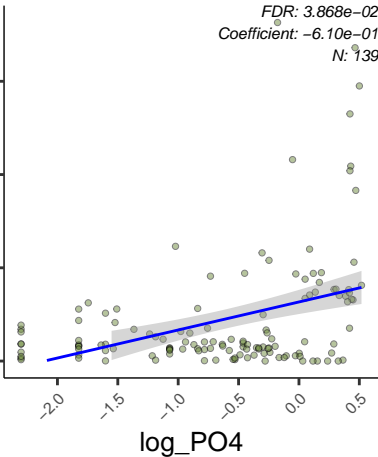
-1.0

-0.5

0.0

0.5

log_PO4



COG2909

FDR: 3.883e-02
Coefficient: 6.93e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

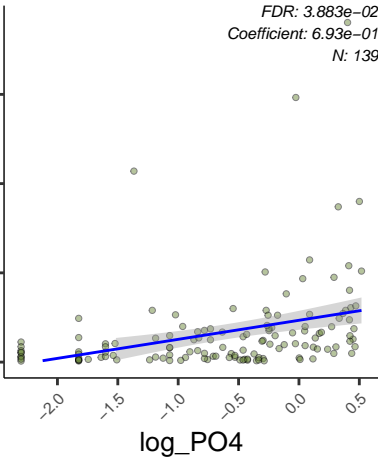
-1.0

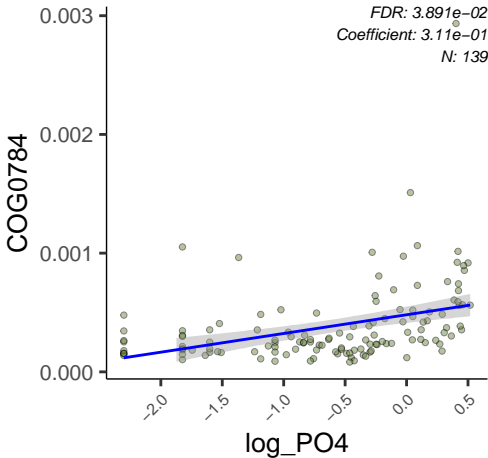
-0.5

0.0

0.5

log_PO4





COG1282

$8e-04$

$6e-04$

$4e-04$

-2.0

-1.5

-1.0

-0.5

0.0

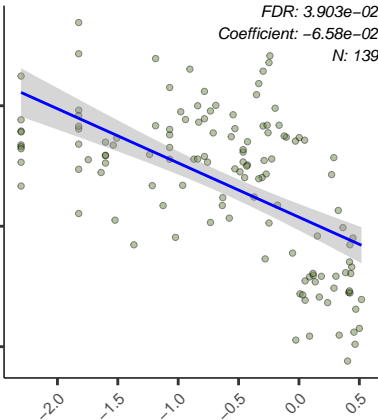
0.5

log_PO4

FDR: $3.903e-02$

Coefficient: $-6.58e-02$

N: 139



COG4943

FDR: 3.924e-02
Coefficient: 8.76e-01
N: 139

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

-2.0

-1.5

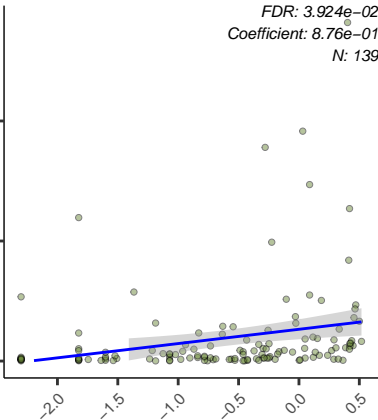
-1.0

-0.5

0.0

0.5

log_PO4



COG5433

FDR: 3.938e-02
Coefficient: 7.11e-01
N: 139

1e-04

5e-05

0e+00

log_PO4

-2.0

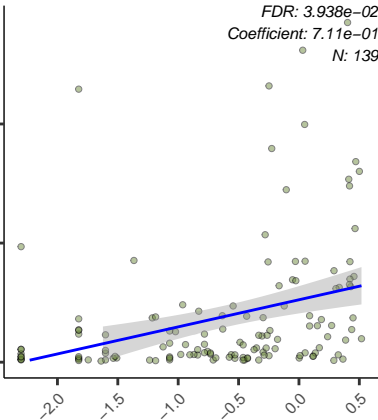
-1.5

-1.0

-0.5

0.0

0.5



COG4034

FDR: 3.941e-02

Coefficient: -6.69e-01

N: 139

9e-06

6e-06

3e-06

0e+00

-2.0

-1.5

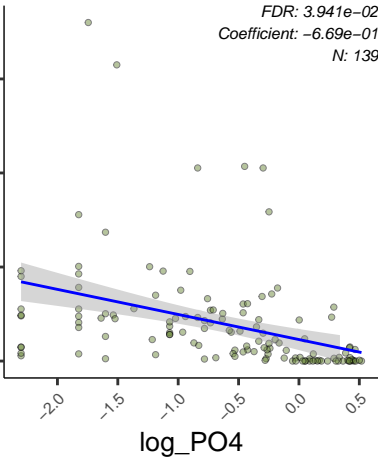
-1.0

-0.5

0.0

0.5

log_PO4



COG5395

FDR: 3.975e-02

Coefficient: 5.64e-01

N: 139

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

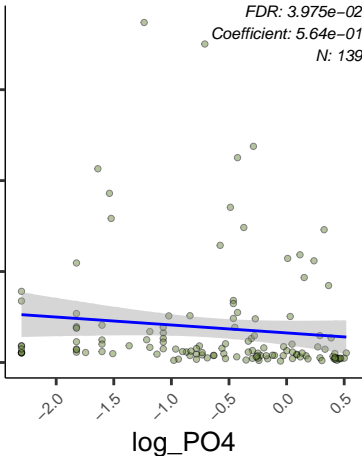
-1.0

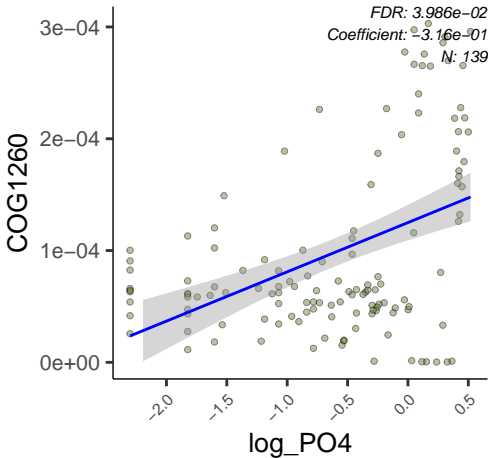
-0.5

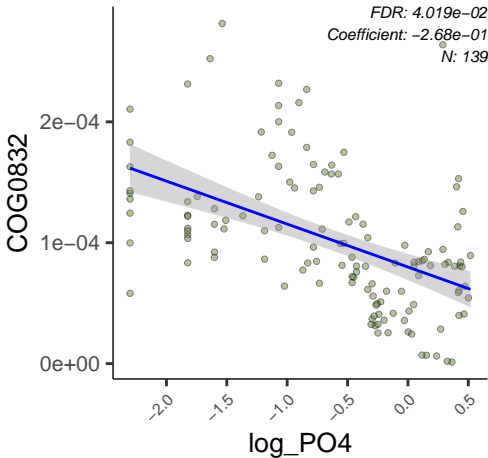
0.0

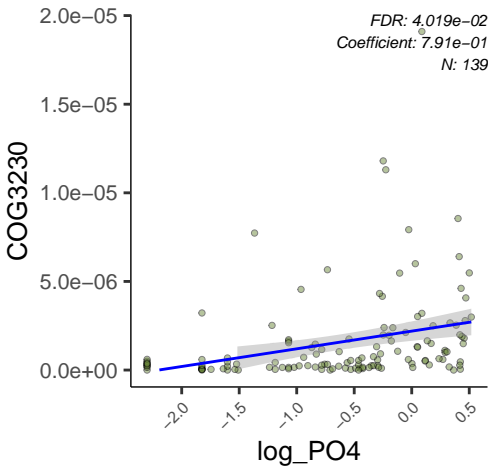
0.5

log_PO4









COG1979

FDR: 4.031e-02
Coefficient: 7.17e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

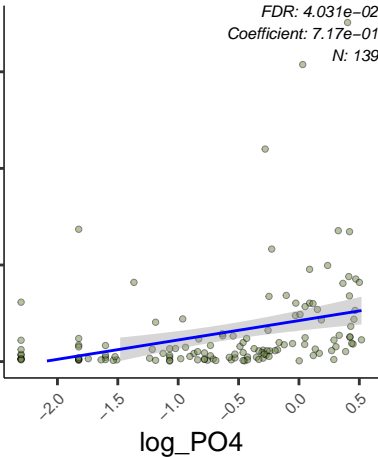
-1.0

-0.5

0.0

0.5

log_PO4



COG2206

FDR: 4.031e-02
Coefficient: 3.02e-01
N: 139

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

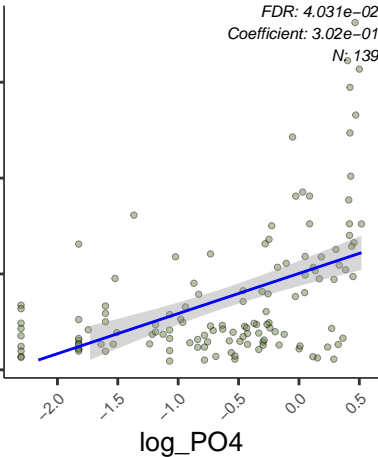
-1.0

-0.5

0.0

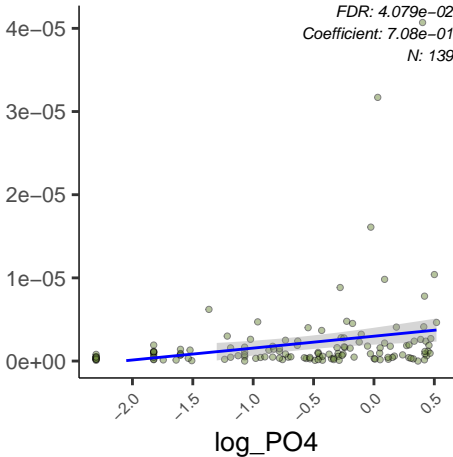
0.5

log_PO4



COG3521

FDR: 4.079e-02
Coefficient: 7.08e-01
N: 139



COG5346

FDR: 4.079e-02
Coefficient: 9.69e-01
N: 139

4e-06

3e-06

2e-06

1e-06

0e+00

-2.0

-1.5

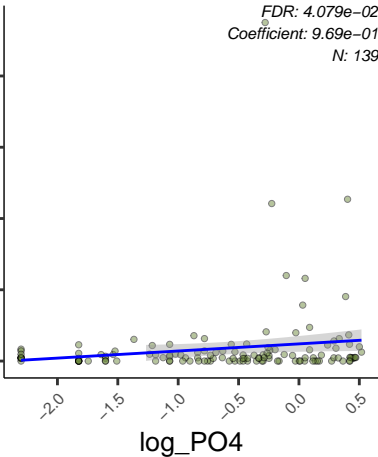
-1.0

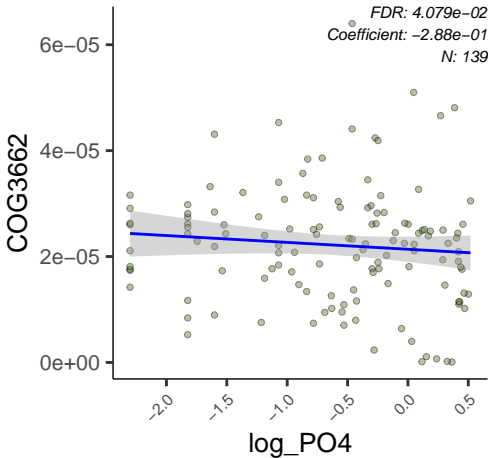
-0.5

0.0

0.5

log_PO4





COG1506

FDR: 4.082e-02
Coefficient: 8.23e-02
N: 139

0.00100

0.00075

0.00050

0.00025

-2.0

-1.5

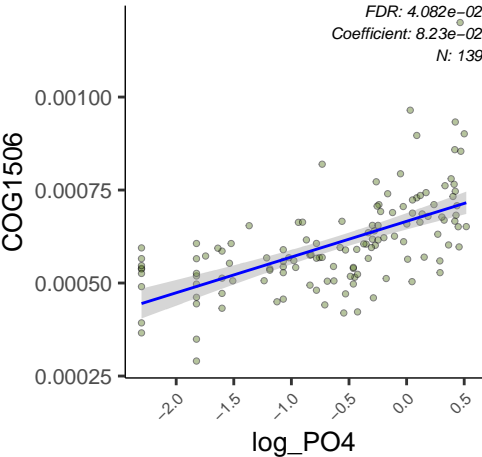
-1.0

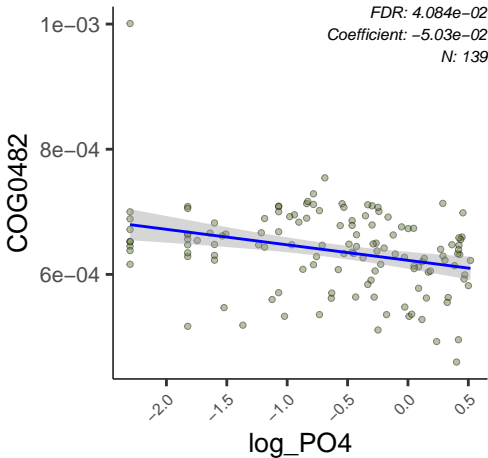
-0.5

0.0

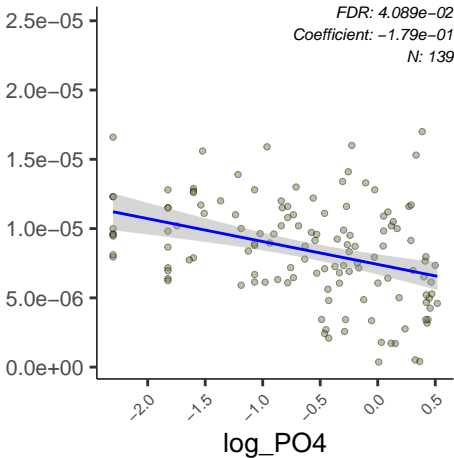
0.5

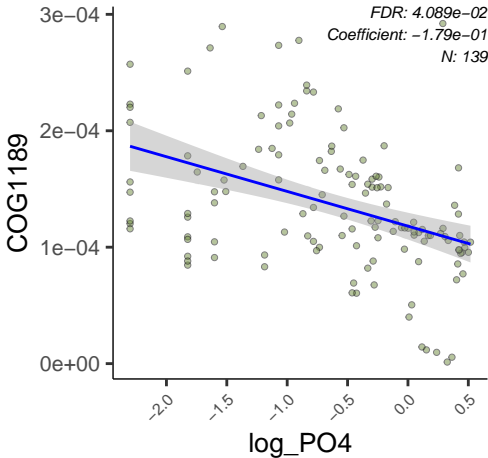
log_PO4

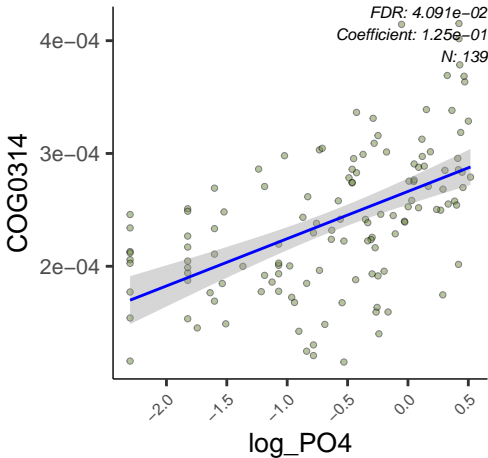




COG4246







COG1346

FDR: 4.102e-02
Coefficient: 5.02e-01
N: 139

9e-05

6e-05

3e-05

0e+00

-2.0

-1.5

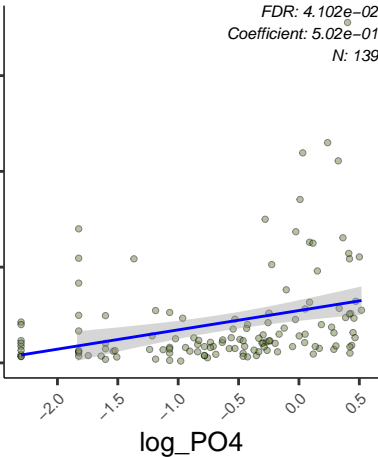
-1.0

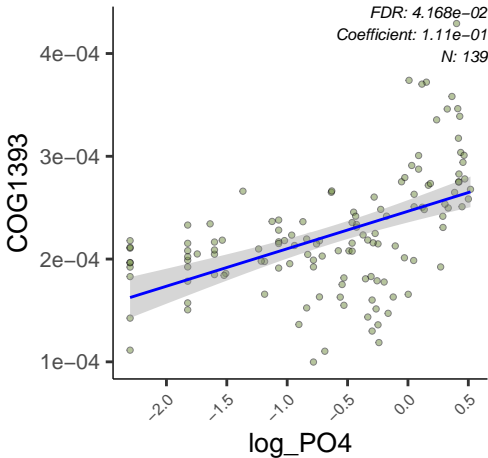
-0.5

0.0

0.5

log_PO4





COG2932

FDR: 4.189e-02
Coefficient: 4.19e-01
N: 139

5e-05

4e-05

3e-05

2e-05

1e-05

0e+00

-2.0

-1.5

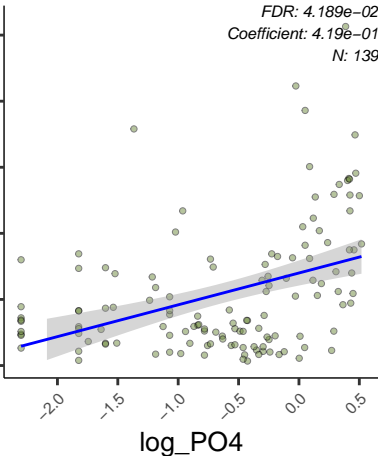
-1.0

-0.5

0.0

0.5

log_PO4



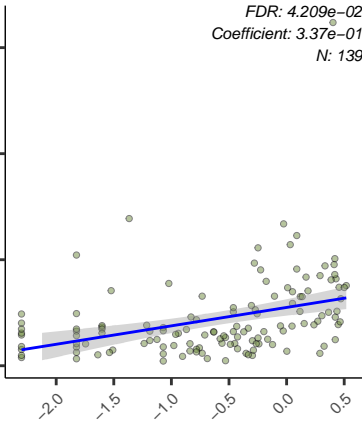
COG2346

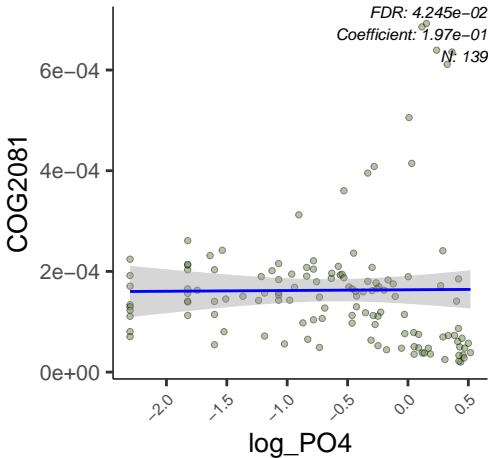
FDR: 4.209e-02
Coefficient: 3.37e-01
N: 139

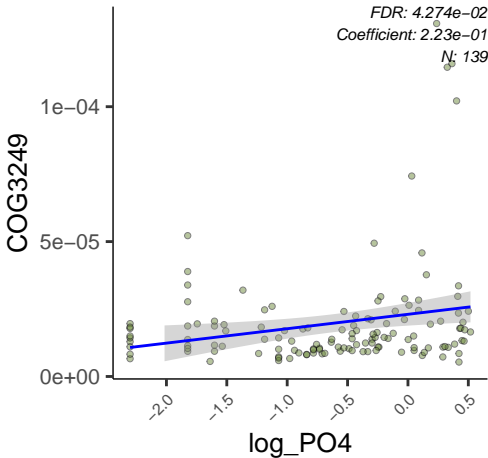
0.00015
0.00010
0.00005
0.00000

-2.0 -1.5 -1.0 -0.5 0.0 0.5

log_PO4







COG0350

FDR: $4.324e-02$
Coefficient: $-7.02e-02$
N: 139

$5e-04$

$4e-04$

$3e-04$

-2.0

-1.5

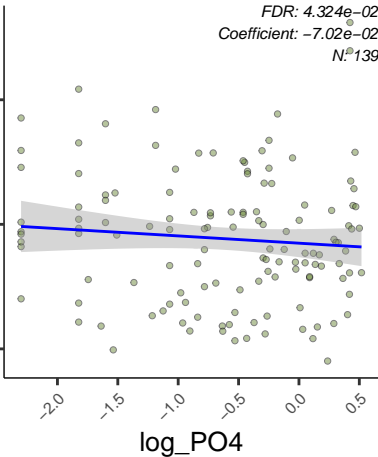
-1.0

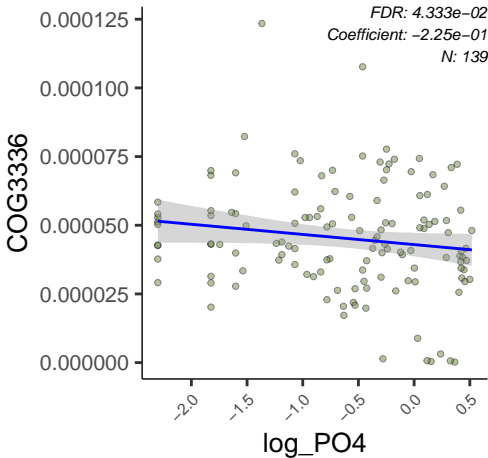
-0.5

0.0

0.5

log_PO4





COG3100

FDR: $4.341\text{e-}02$
Coefficient: $4.44\text{e-}01$
N: 139

$9\text{e-}05$

$6\text{e-}05$

$3\text{e-}05$

$0\text{e+}00$

-2.0

-1.5

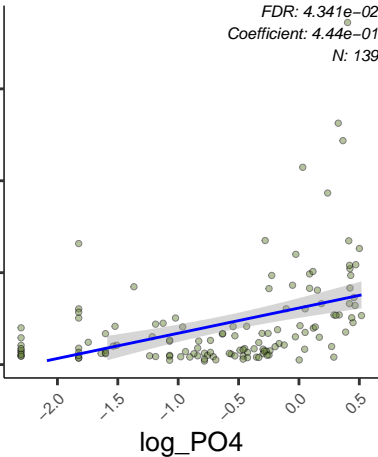
-1.0

-0.5

0.0

0.5

log_PO4



COG4736

FDR: 4.349e-02
Coefficient: 7.81e-01
N: 139

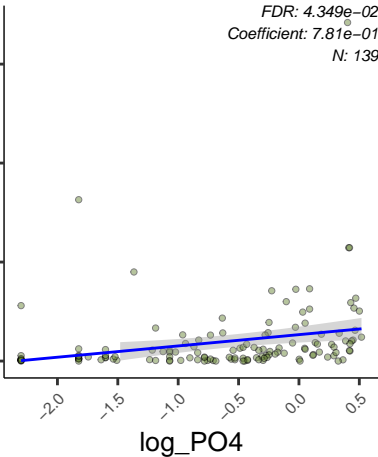
6e-05

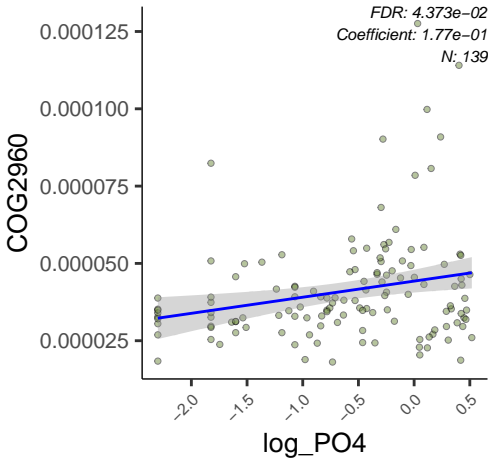
4e-05

2e-05

0e+00

log_PO4





COG3934

FDR: 4.373e-02
Coefficient: 6.04e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

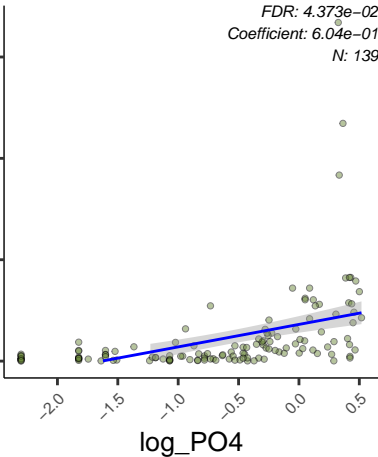
-1.0

-0.5

0.0

0.5

log_PO4



COG1018

FDR: 4.390e-02
Coefficient: 1.74e-01
N: 139

6e-04

4e-04

2e-04

-2.0

-1.5

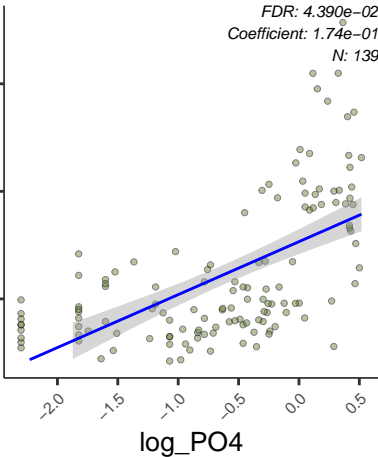
-1.0

-0.5

0.0

0.5

log_PO4



COG4714

FDR: 4.392e-02
Coefficient: 2.77e-01
N: 139

9e-06

6e-06

3e-06

0e+00

-2.0

-1.5

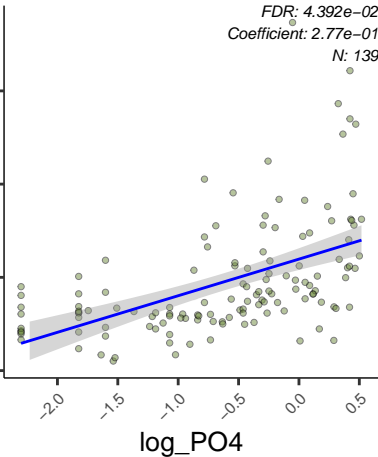
-1.0

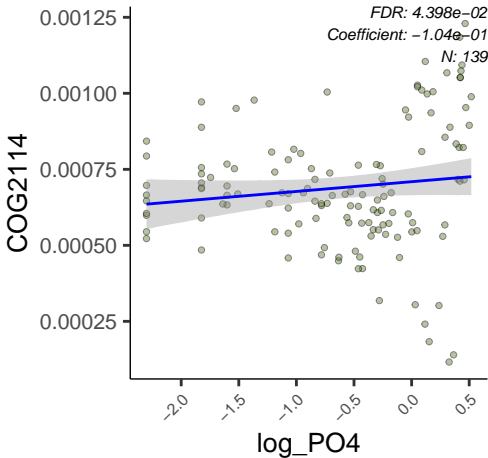
-0.5

0.0

0.5

log_PO4





COG0499

1e-03

8e-04

6e-04

-2.0

-1.5

-1.0

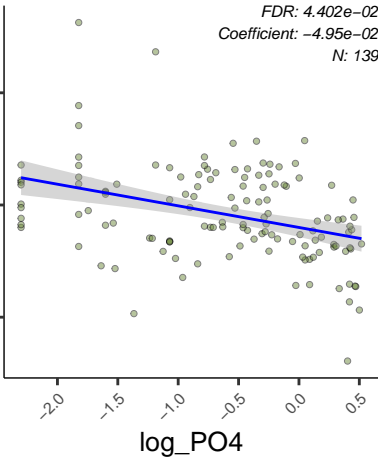
-0.5

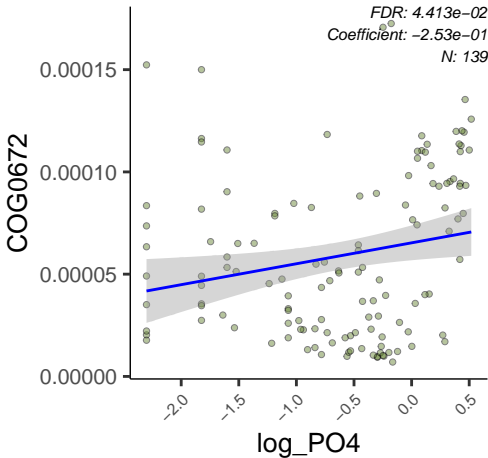
0.0

0.5

log_PO4

FDR: 4.402e-02
Coefficient: -4.95e-02
N: 139





COG1643

FDR: 4.441e-02
Coefficient: 2.36e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

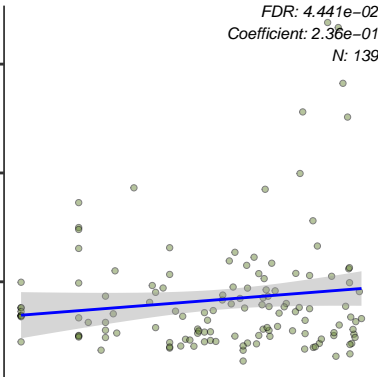
-1.0

-0.5

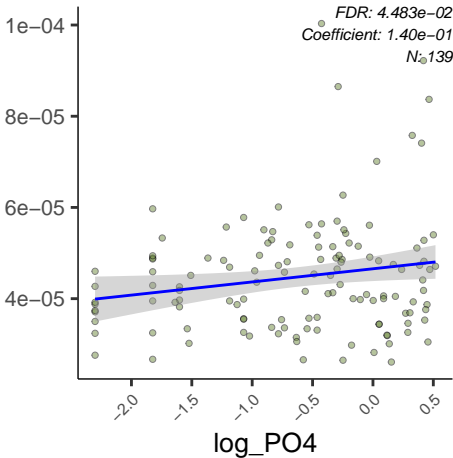
0.0

0.5

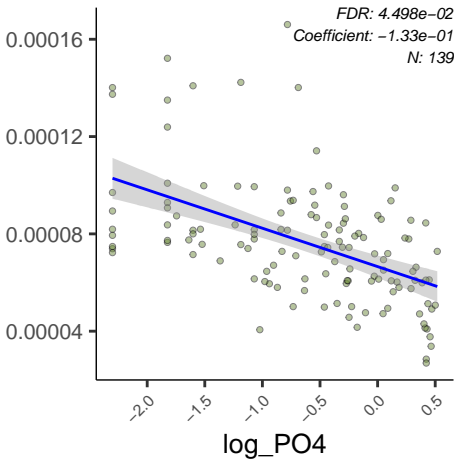
log_PO4

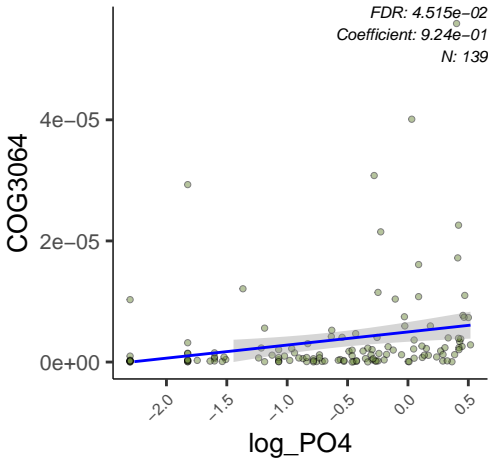


COG5331



COG4154





COG0144

FDR: 4.530e-02

Coefficient: 9.37e-02

N: 139

5e-04

4e-04

3e-04

2e-04

-2.0

-1.5

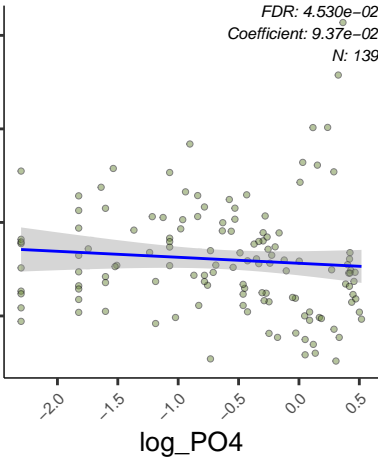
-1.0

-0.5

0.0

0.5

log_PO4



COG2210

FDR: 4.566e-02
Coefficient: 5.67e-01
N: 139

0.00020
0.00015
0.00010
0.00005
0.00000

-2.0

-1.5

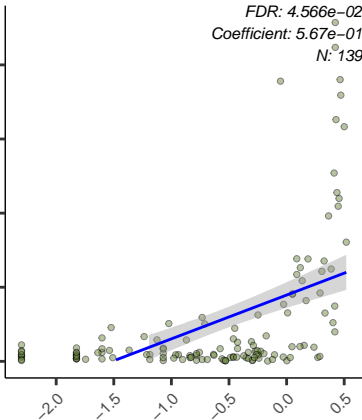
-1.0

-0.5

0.0

0.5

log_PO4



COG3531

FDR: 4.612e-02
Coefficient: 4.70e-01
N: 139

9e-05
6e-05
3e-05
0e+00

-2.0

-1.5

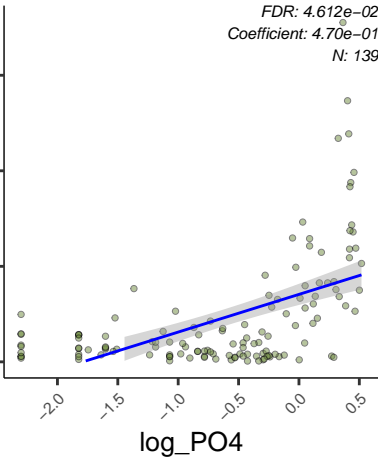
-1.0

-0.5

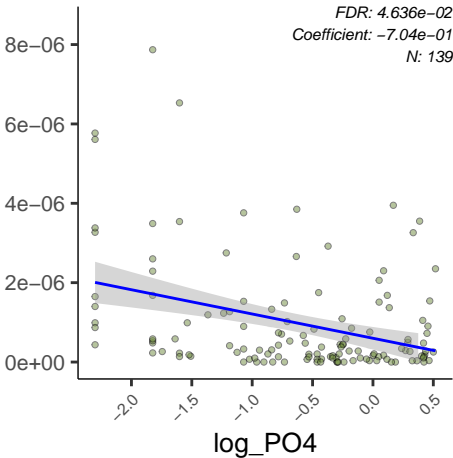
0.0

0.5

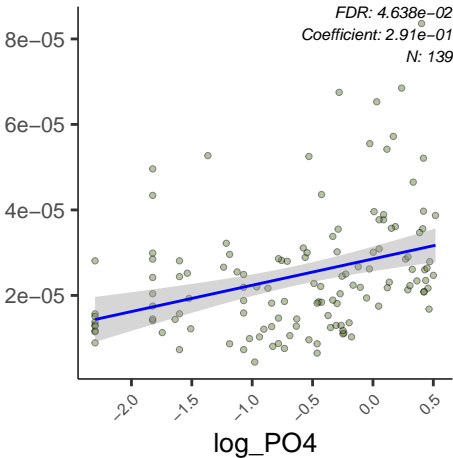
log_PO4

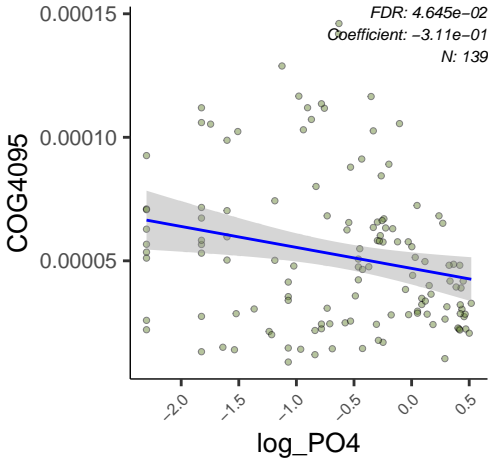


COG4291



COG2390





COG3409

0.00020

0.00015

0.00010

0.00005

0.00000

-2.0

-1.5

-1.0

-0.5

0.0

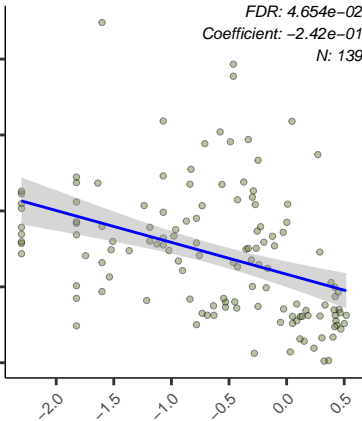
0.5

log_PO4

FDR: 4.654e-02

Coefficient: -2.42e-01

N: 139



COG3076

FDR: 4.676e-02
Coefficient: 9.10e-01
N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

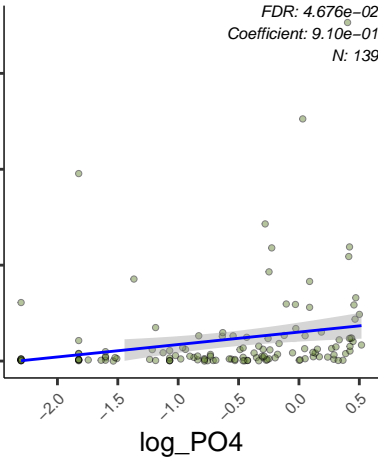
-1.0

-0.5

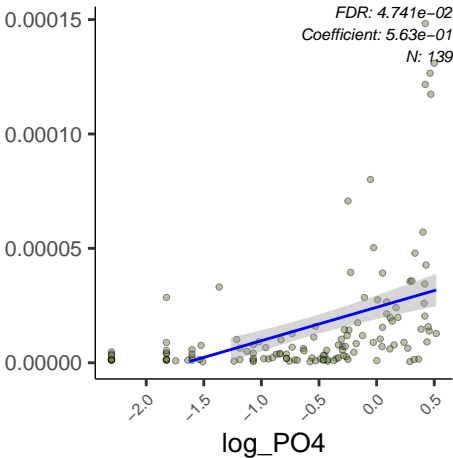
0.0

0.5

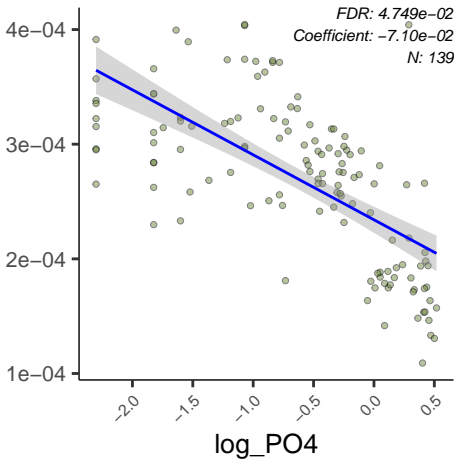
log_PO4



COG3415



COG1828



COG4790

FDR: 4.764e-02
Coefficient: 1.02e+00
N: 139

4e-06

2e-06

0e+00

log_PO4

-2.0

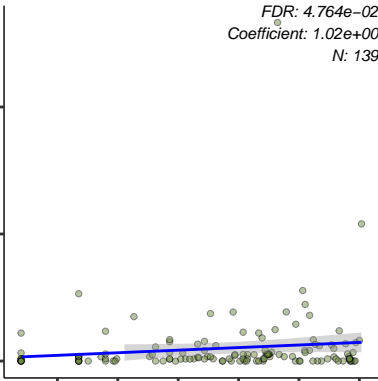
-1.5

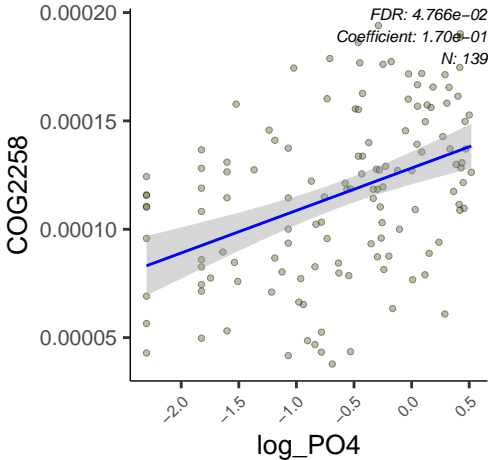
-1.0

-0.5

0.0

0.5





COG5452

FDR: 4.767e-02

Coefficient: -1.58e-01

N: 139

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

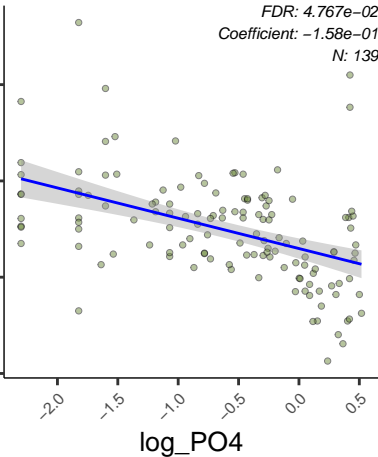
-1.0

-0.5

0.0

0.5

log_PO4



COG3635

3e-04

2e-04

1e-04

0e+00

-2.0

-1.5

-1.0

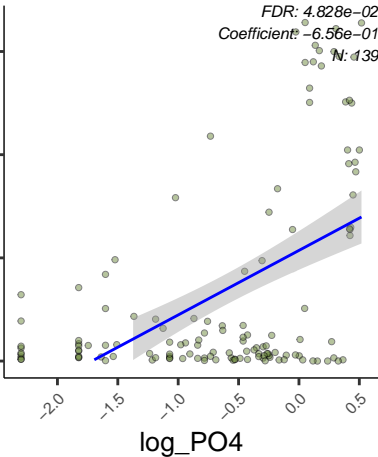
-0.5

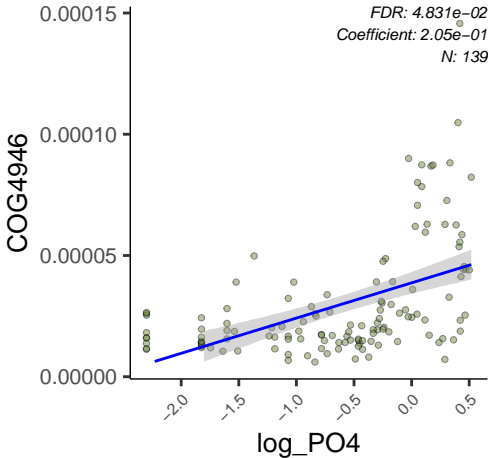
0.0

0.5

log_PO4

FDR: 4.828e-02
Coefficient: -6.56e-01
N: 139





COG3139

FDR: 4.834e-02
Coefficient: 3.89e-01
N: 139

8e-05

6e-05

4e-05

2e-05

0e+00

-2.0

-1.5

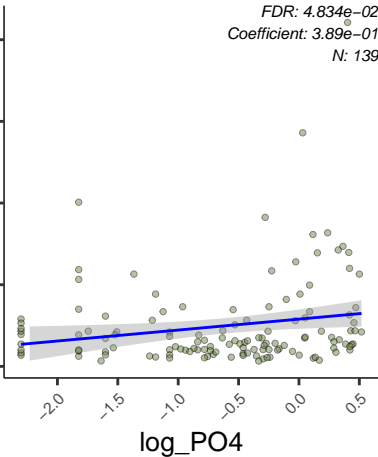
-1.0

-0.5

0.0

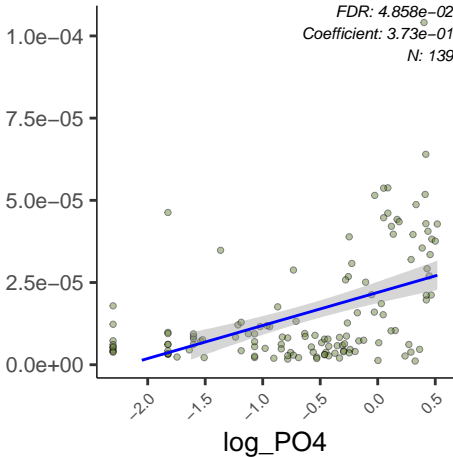
0.5

log_PO4

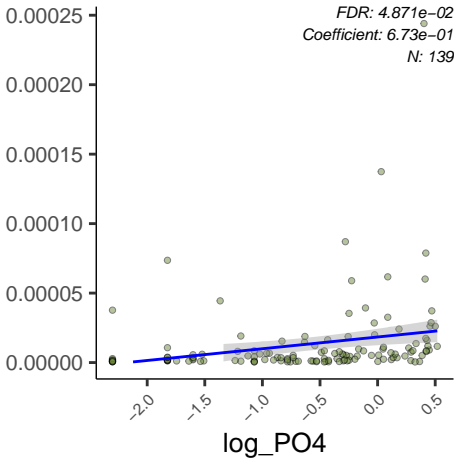


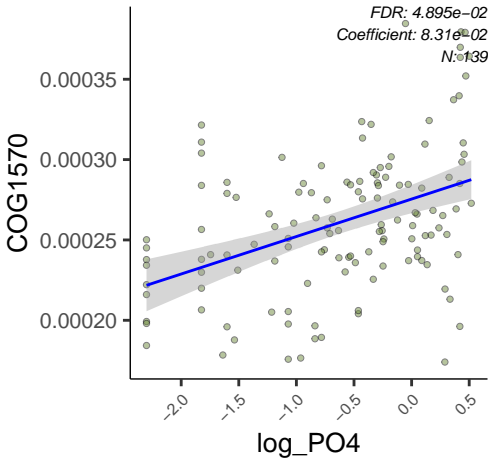
COG1284

FDR: 4.858e-02
Coefficient: 3.73e-01
N: 139



COG3434





COG2226

9e-04

8e-04

7e-04

6e-04

-2.0

-1.5

-1.0

-0.5

0.0

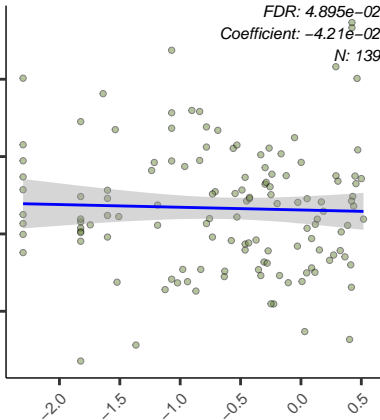
0.5

log_PO4

FDR: 4.895e-02

Coefficient: -4.21e-02

N: 139



COG0286

FDR: 4.910e-02
Coefficient: 1.38e-01
N: 139

3e-04

2e-04

1e-04

-2.0

-1.5

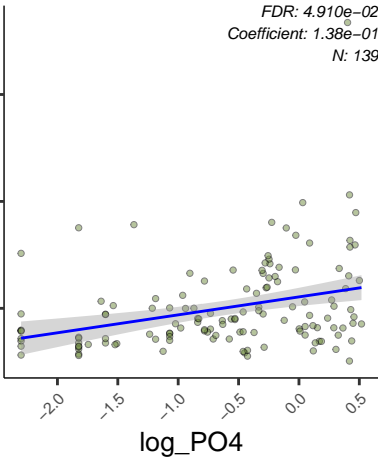
-1.0

-0.5

0.0

0.5

log_PO4



COG3224

FDR: $4.921e-02$
Coefficient: $5.45e-01$
N: 139

$7.5e-05$

$5.0e-05$

$2.5e-05$

$0.0e+00$

-2.0

-1.5

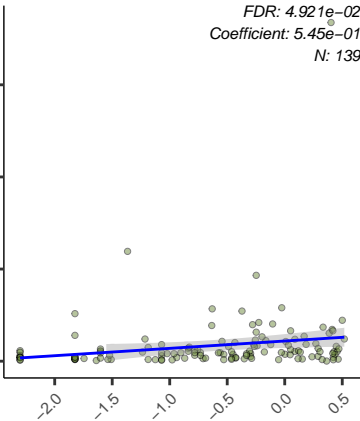
-1.0

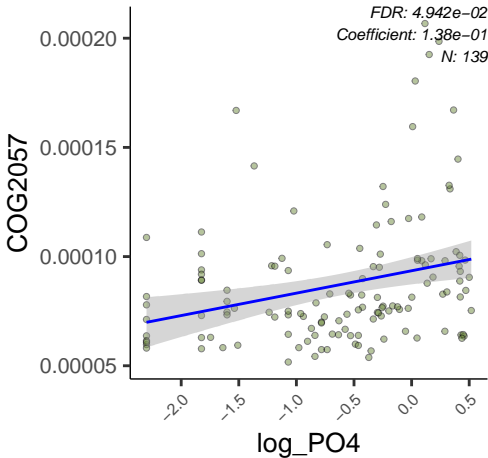
-0.5

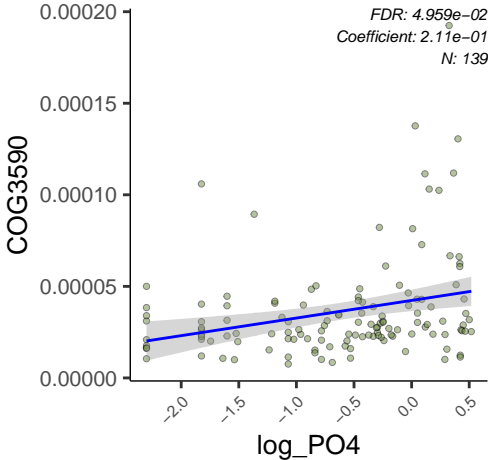
0.0

0.5

log_PO4







COG2836

