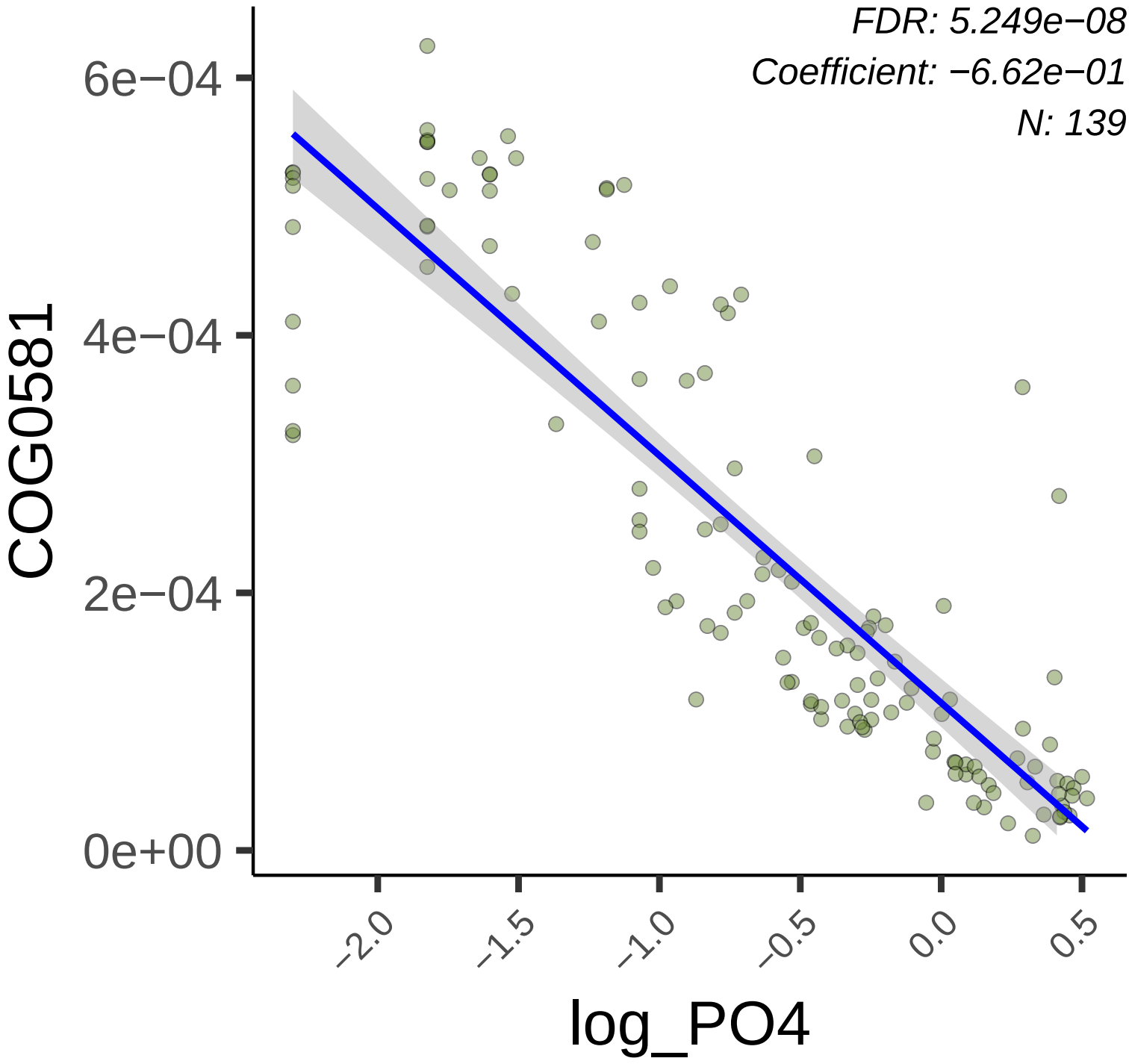
FDR: 5.249e−08
Coefficient: −6.62e−01
N: 139
COG0581
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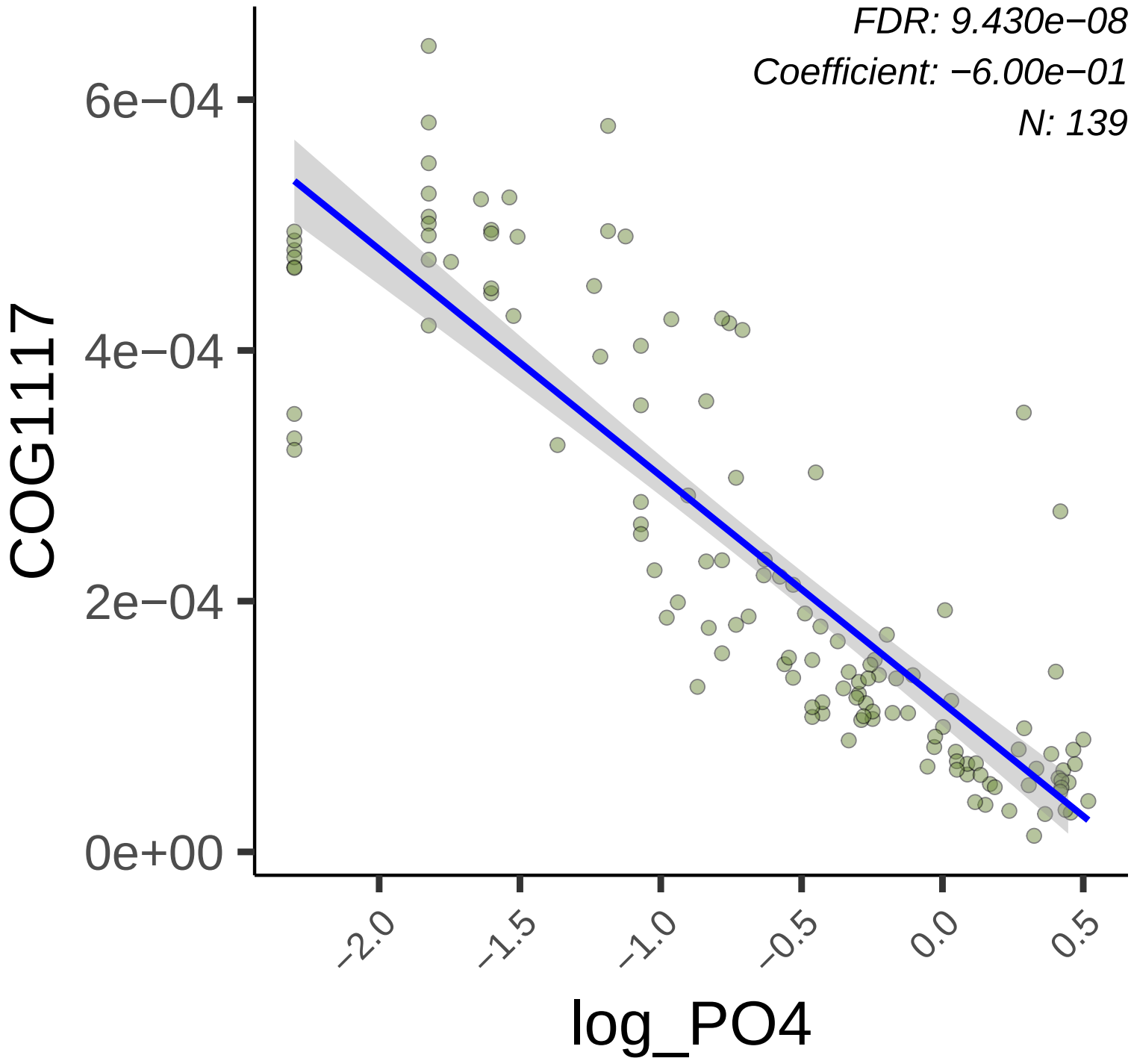
log_PO4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Coefficient: −6.00e−01
N: 139
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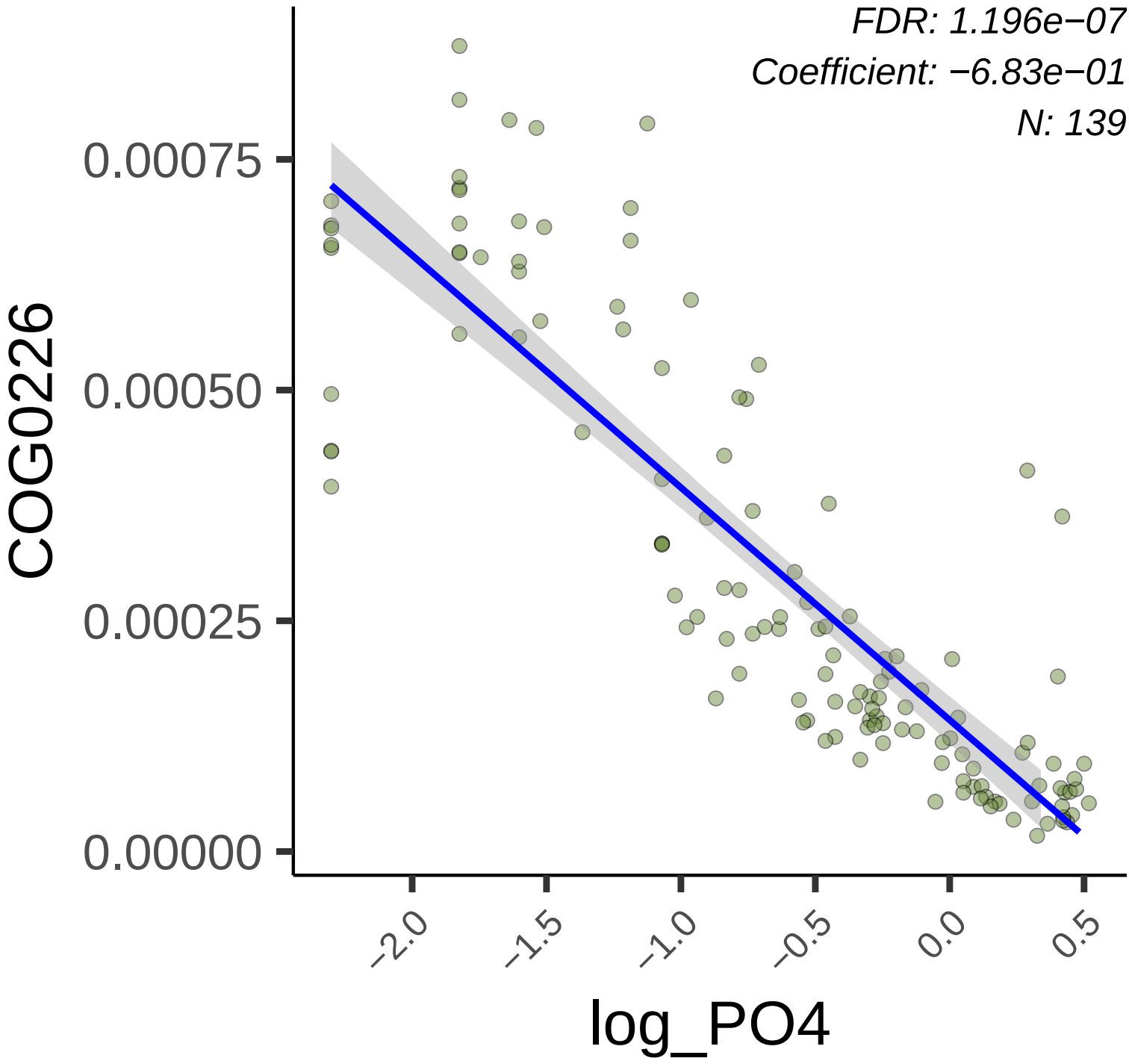
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Coefficient: −6.83e−01
N: 139
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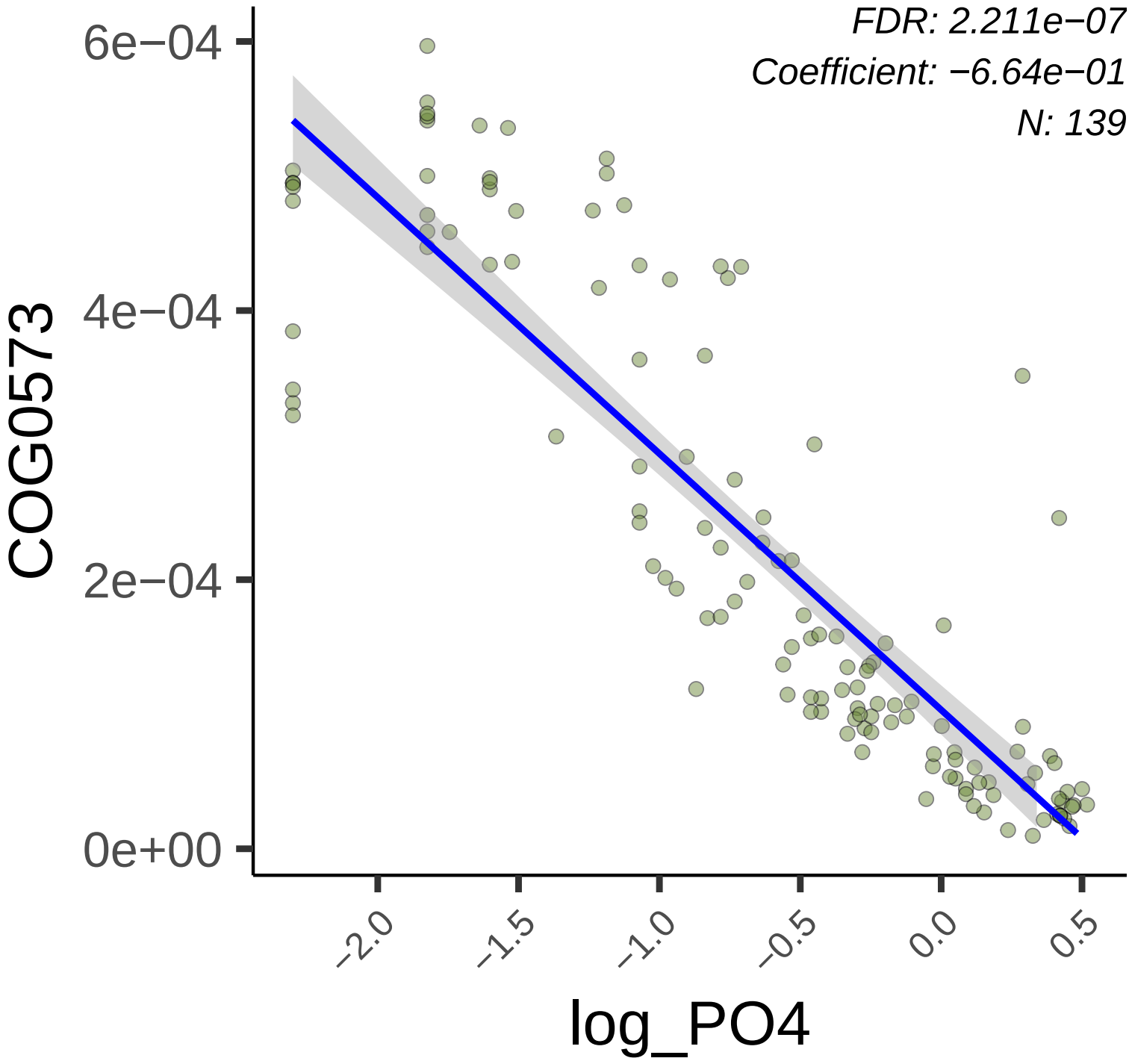
log_PO4


FDR: 2.211e−07
Coefficient: −6.64e−01
N: 139
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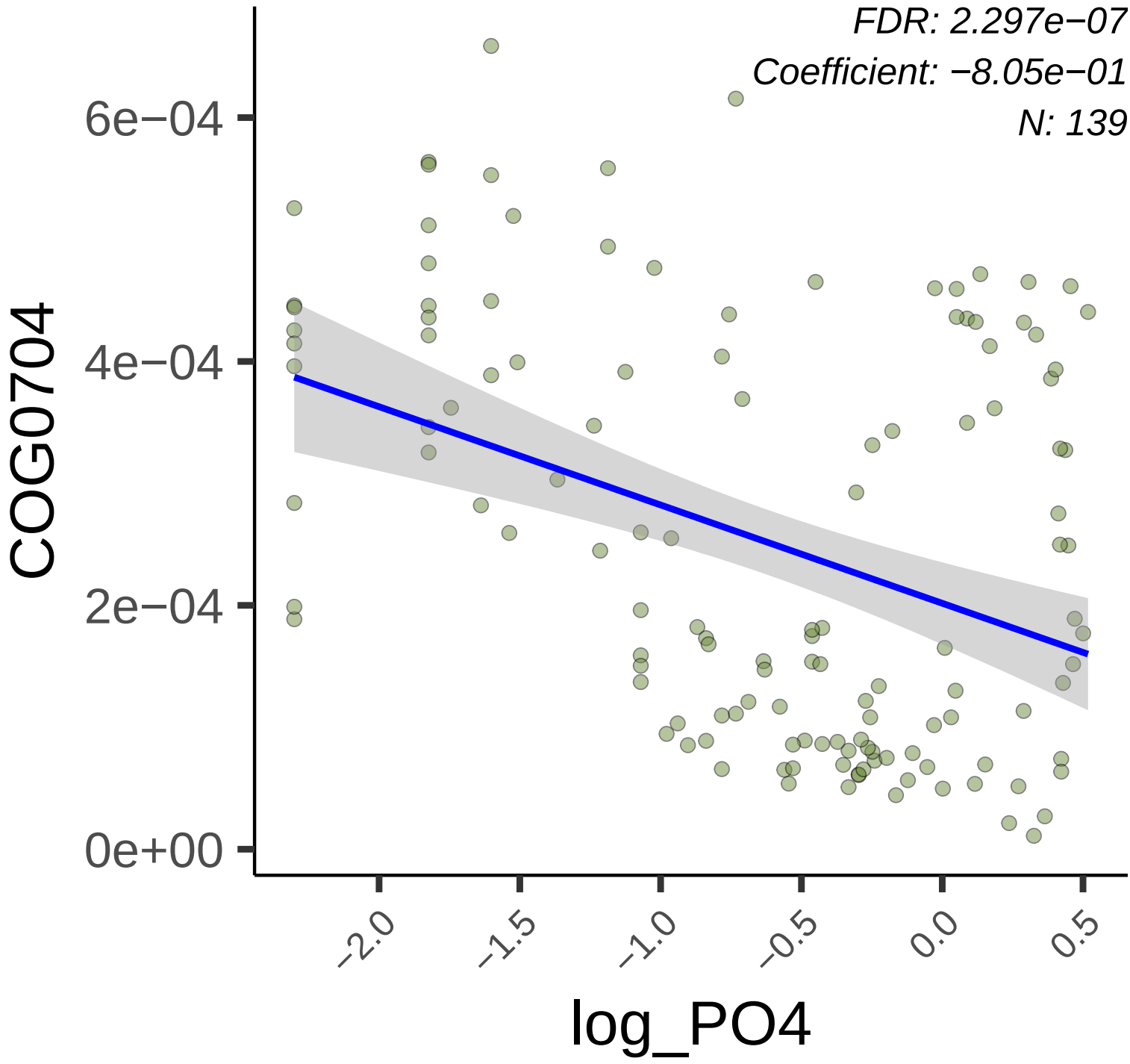
log_PO4


FDR: 2.297e−07
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N: 139
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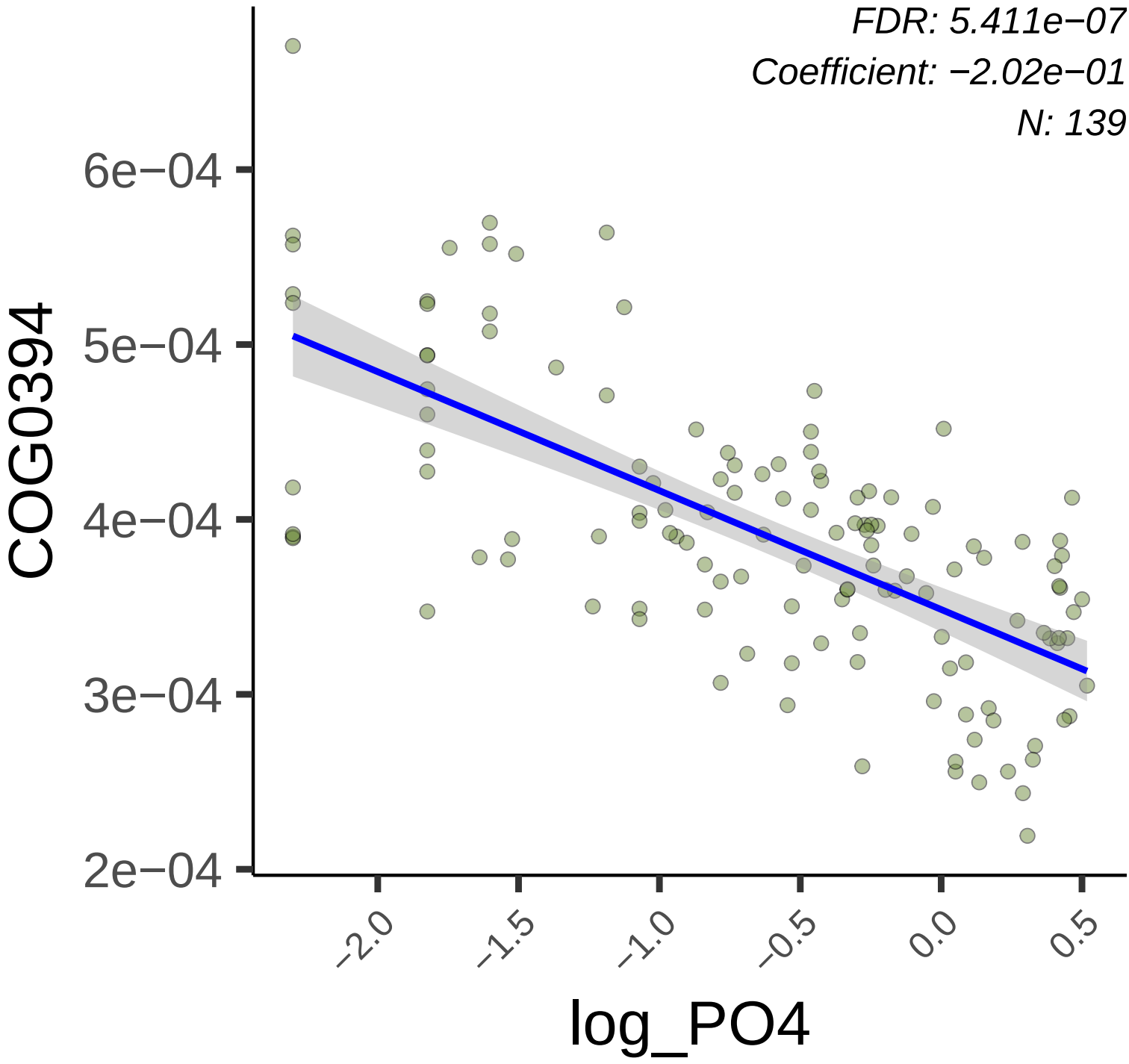
log_PO4


FDR: 5.411e−07
Coefficient: −2.02e−01
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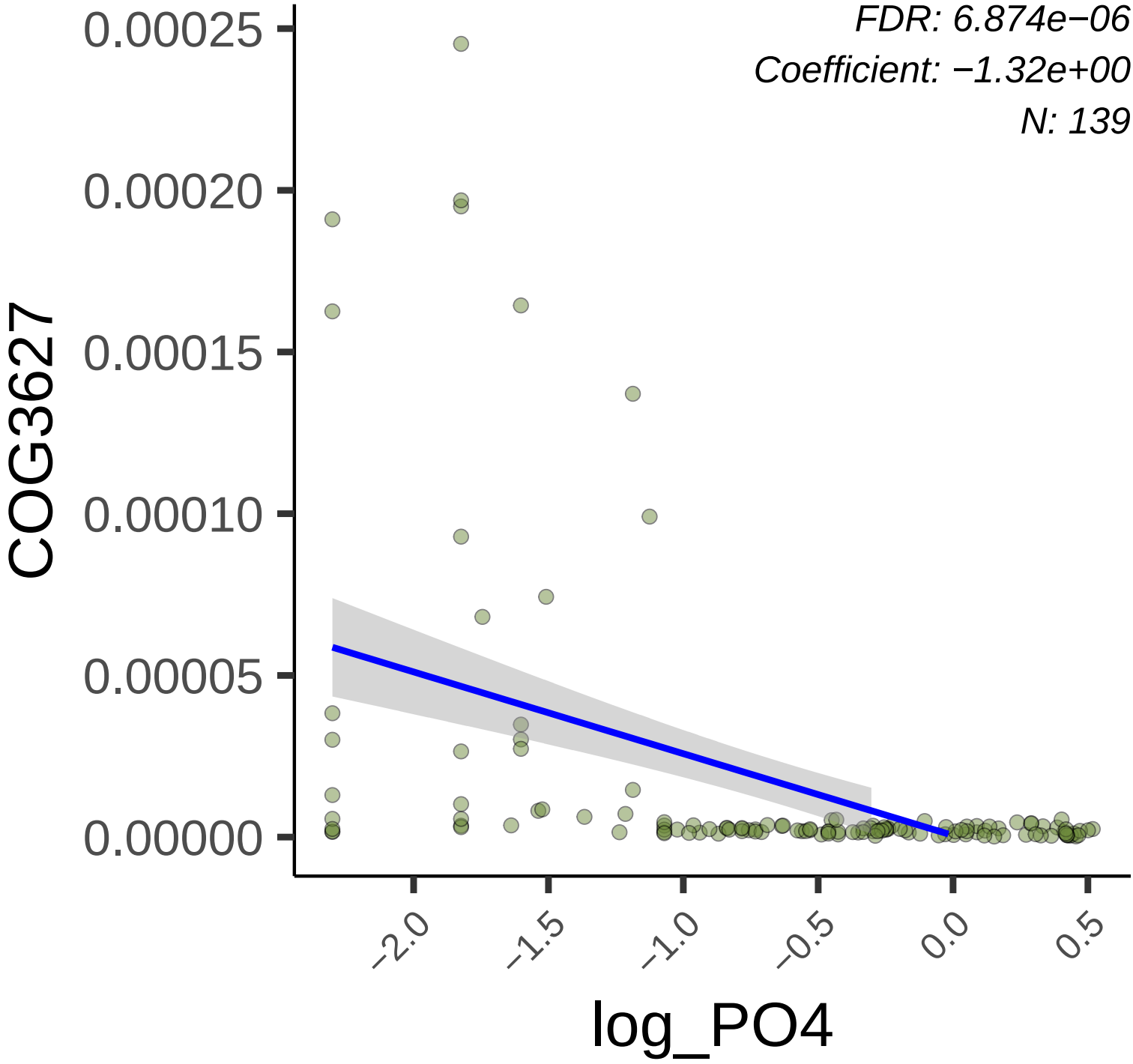
log_PO4


FDR: 6.874e−06
Coefficient: −1.32e+00
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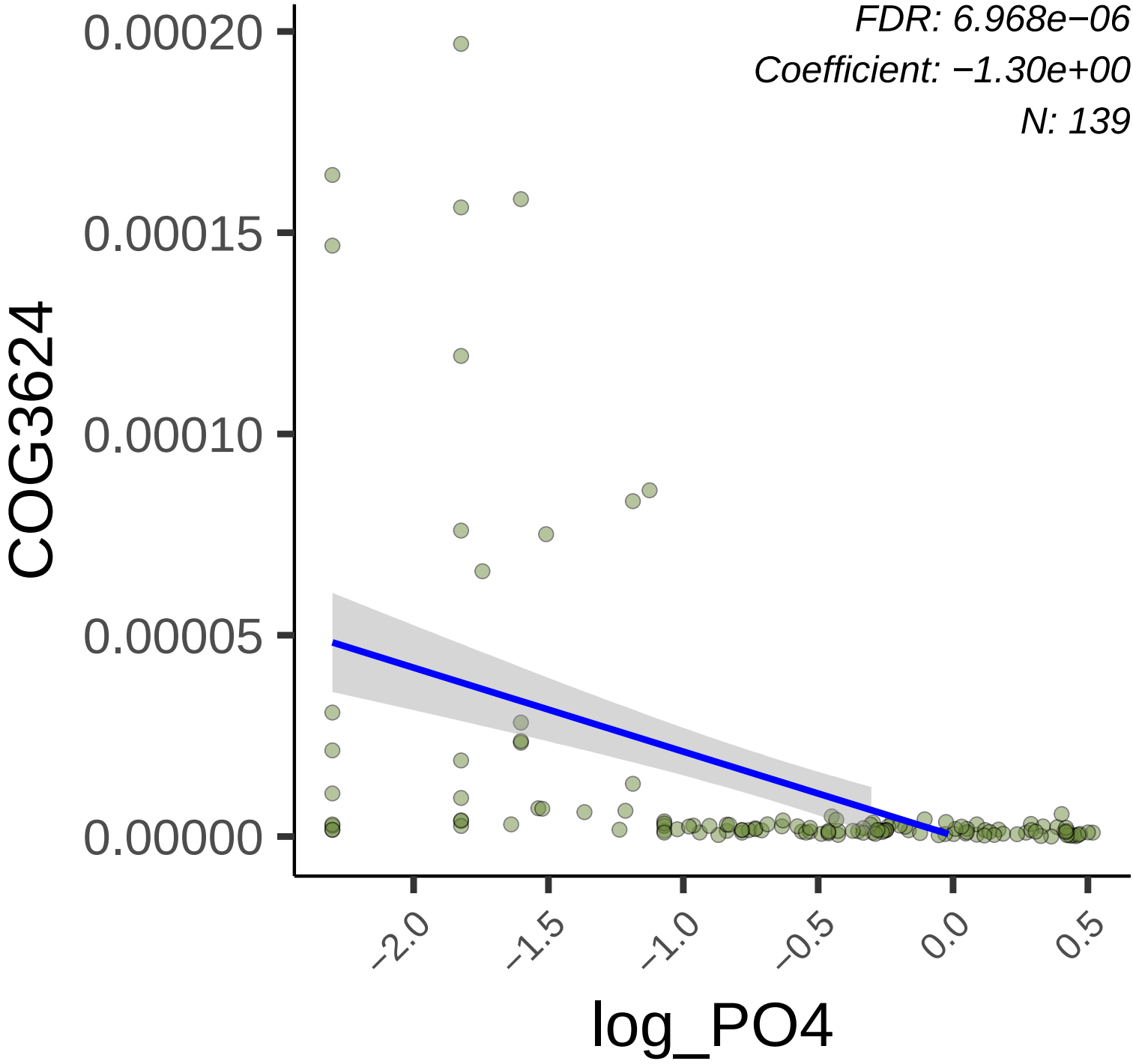
log_PO4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Coefficient: −1.30e+00
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COG3624
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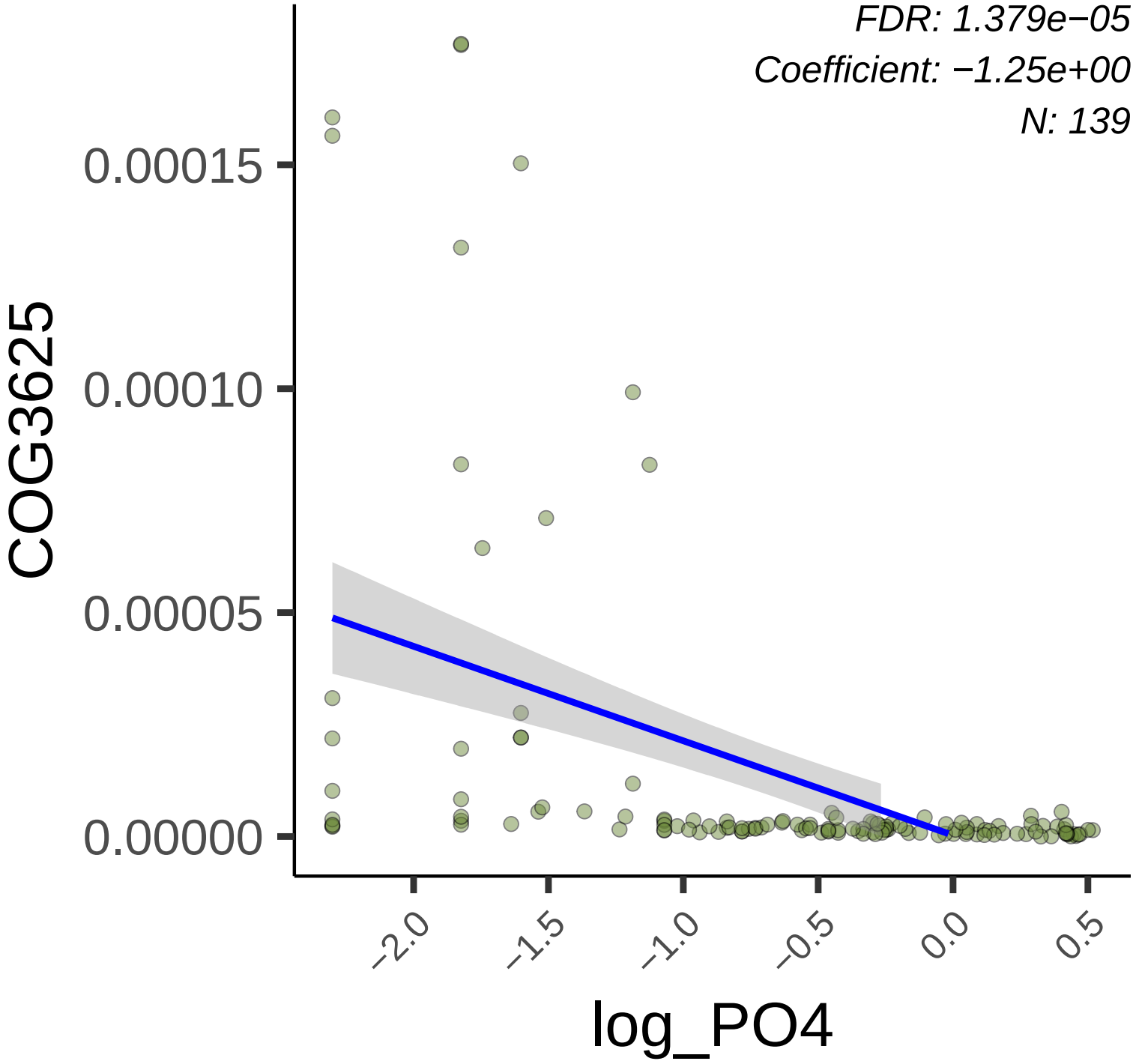
log_PO4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Coefficient: −1.25e+00
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COG3625
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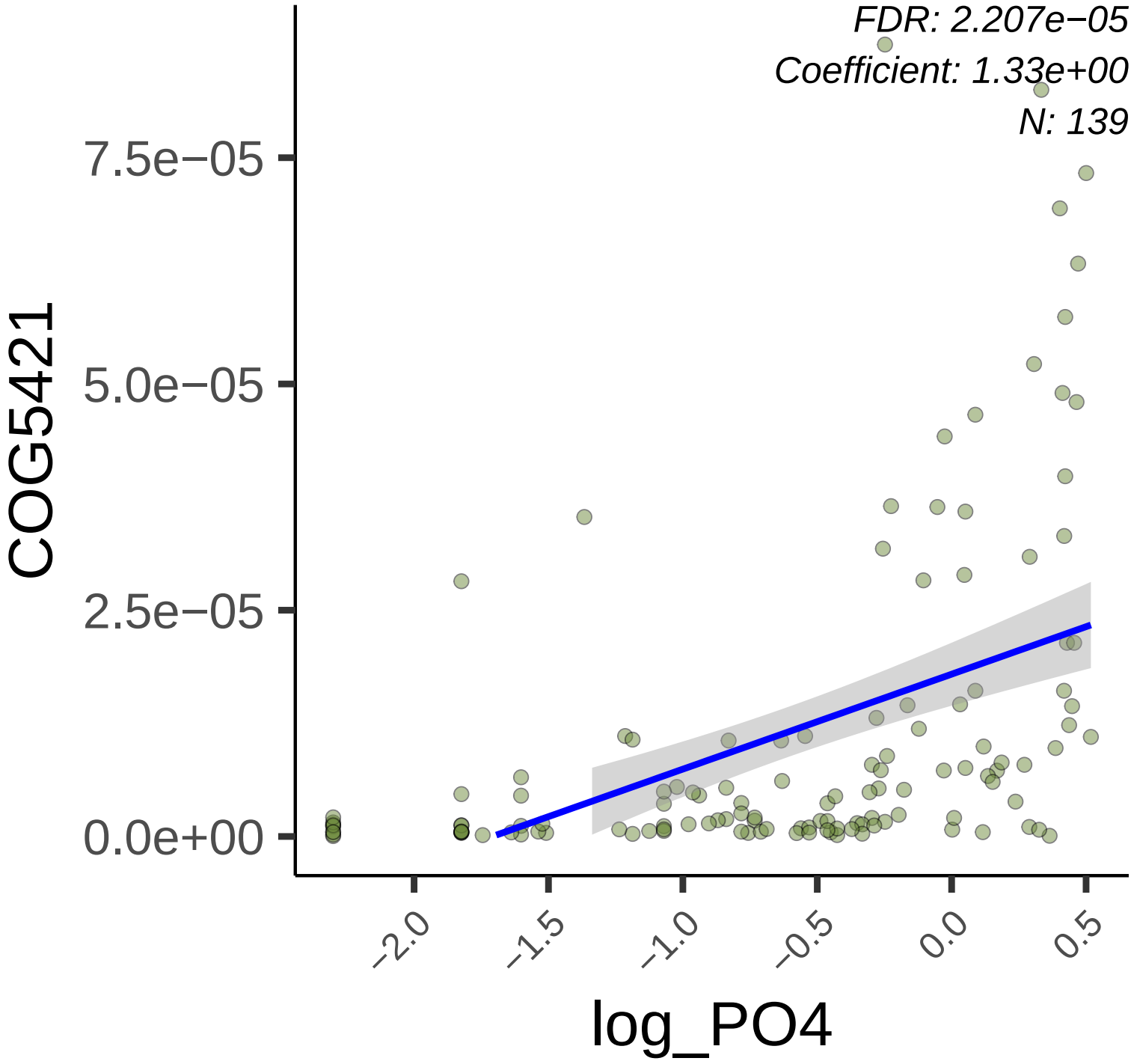
log_PO4


FDR: 2.207e−05
Coefficient: 1.33e+00
N: 139
COG5421
7.5e−05
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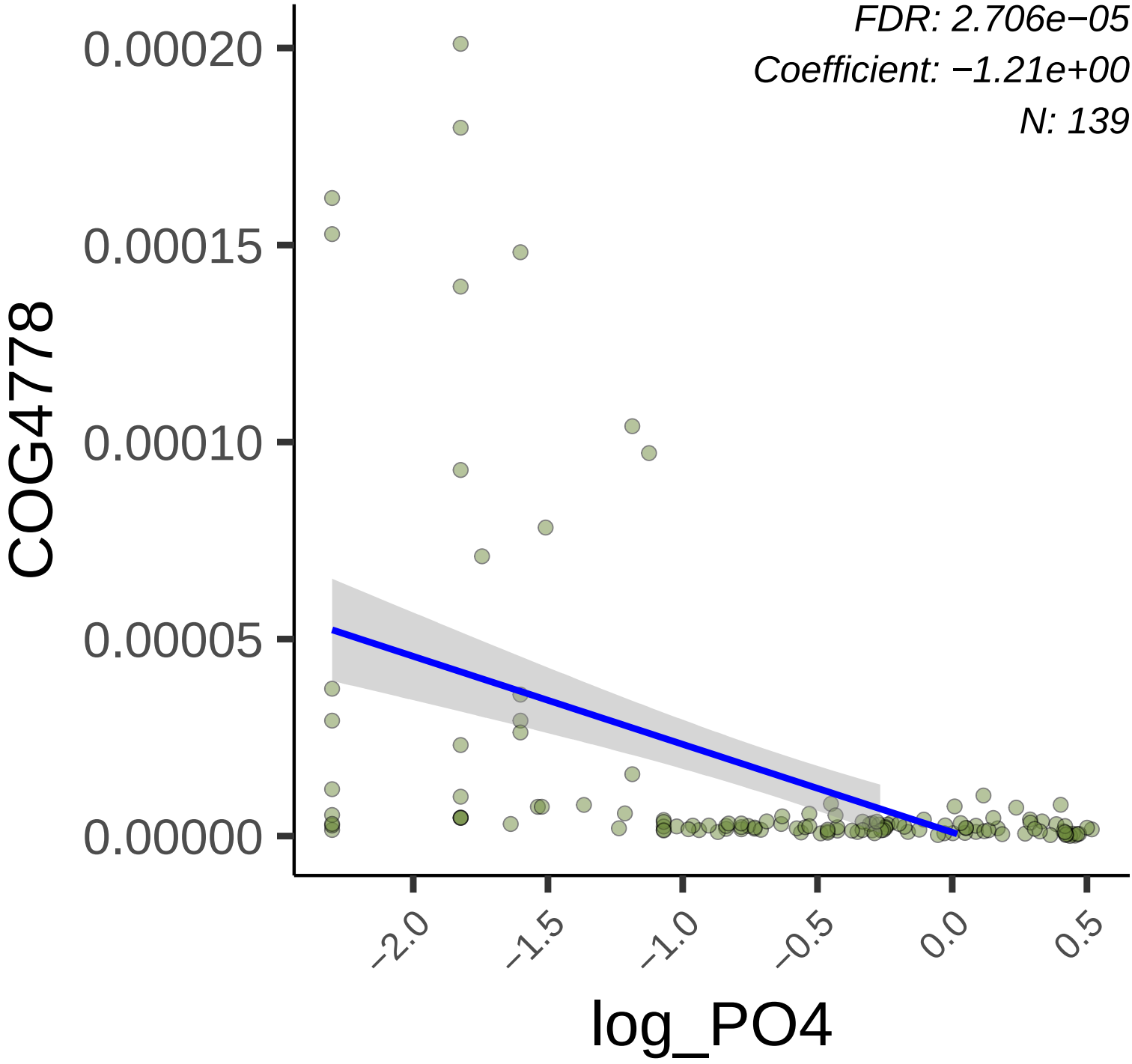
log_PO4


FDR: 2.706e−05
Coefficient: −1.21e+00
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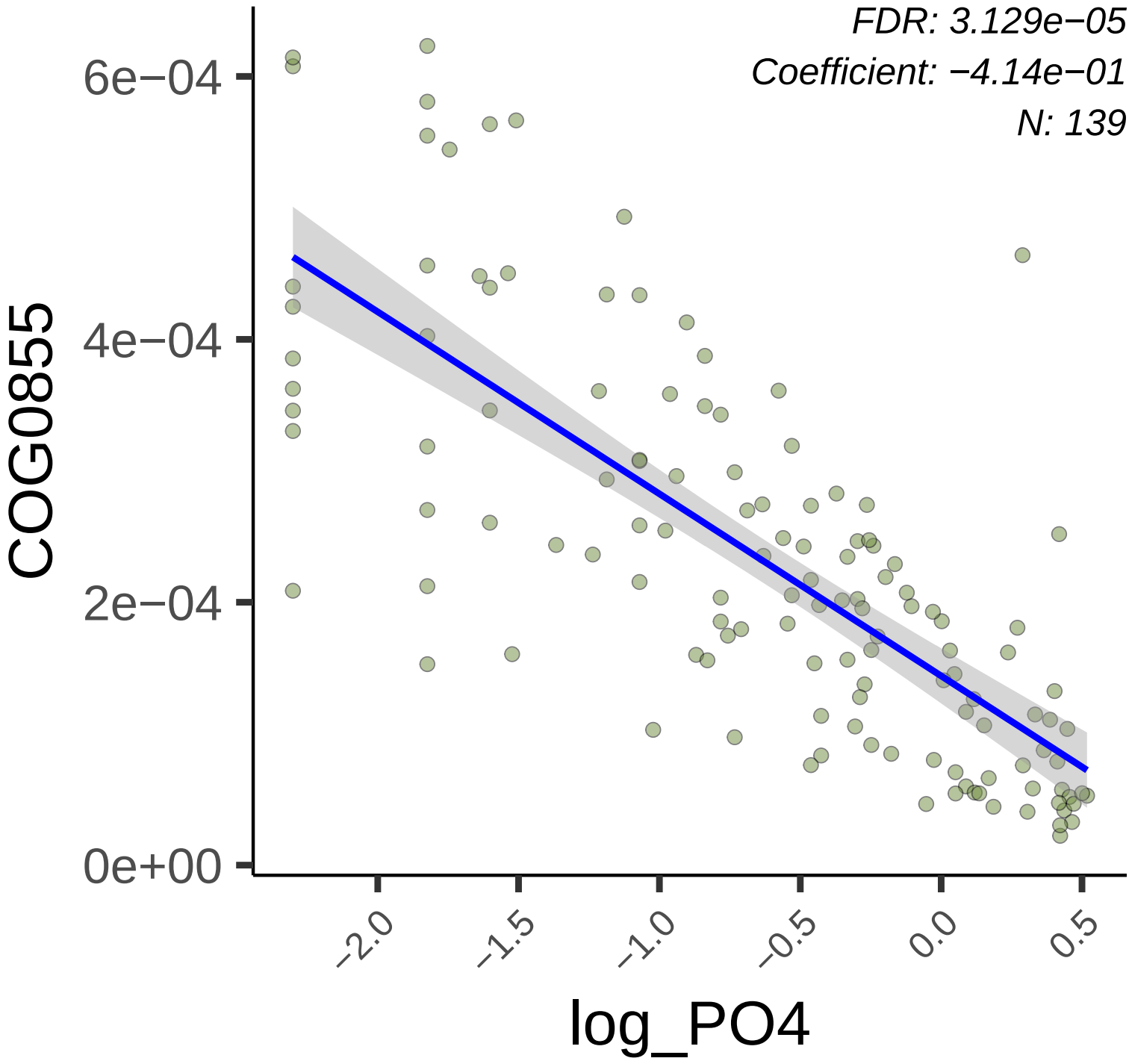
log_PO4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Coefficient: −4.14e−01
N: 139
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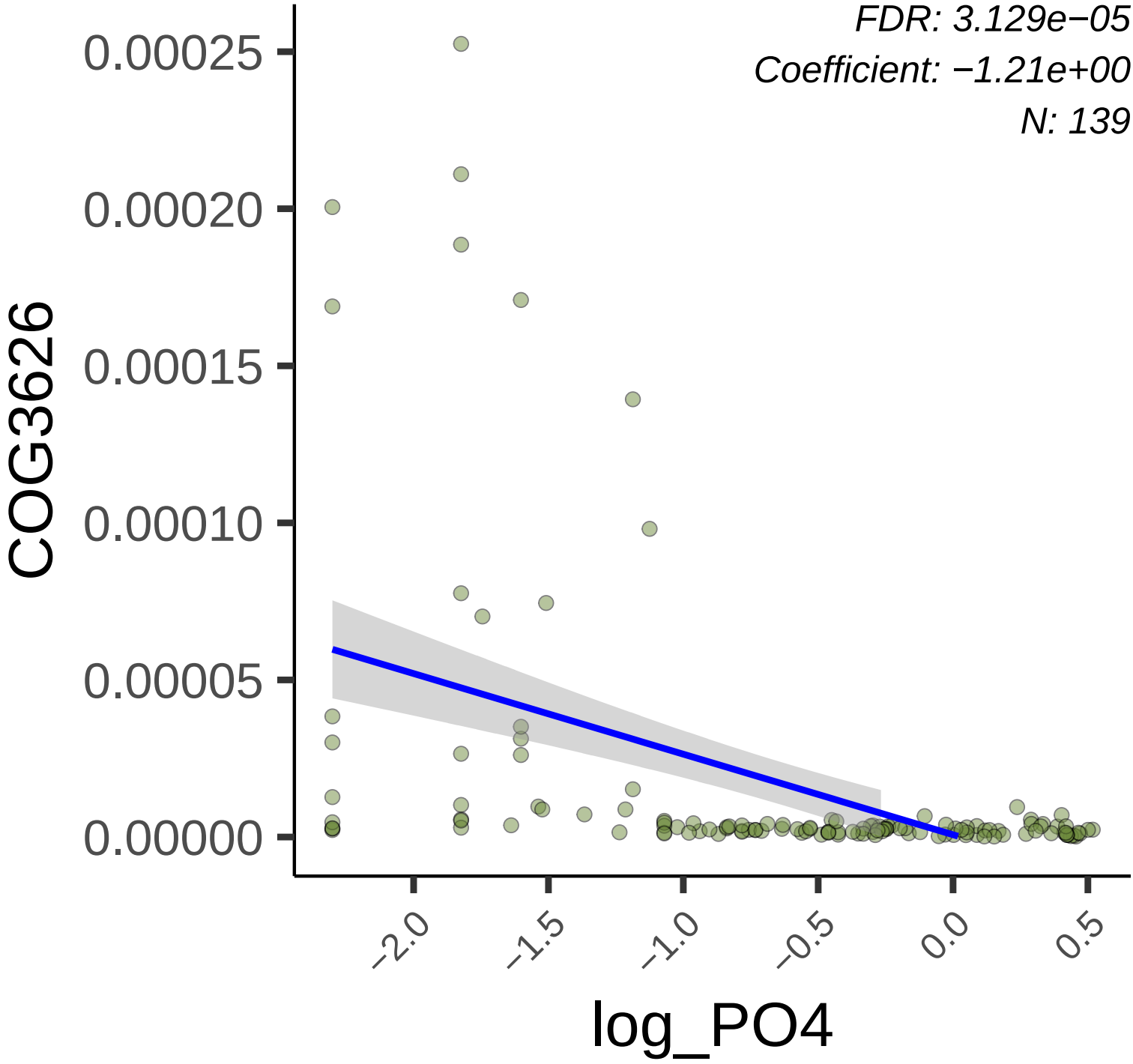
log_PO4


FDR: 3.129e−05
Coefficient: −1.21e+00
N: 139
COG3626
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0.00020
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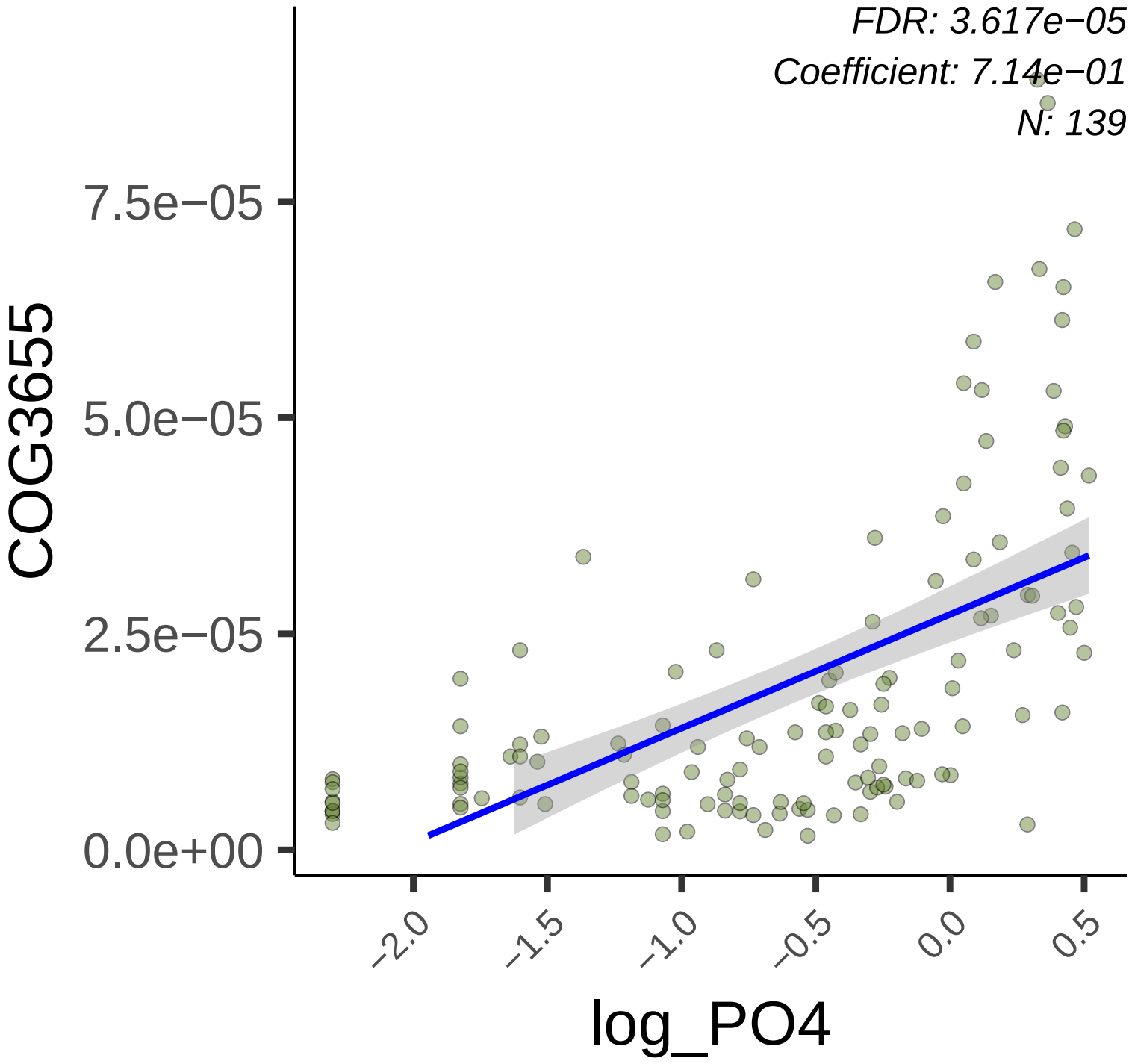
log_PO4


FDR: 3.617e−05
Coefficient: 7.14e−01
N: 139
COG3655
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2.5e−05
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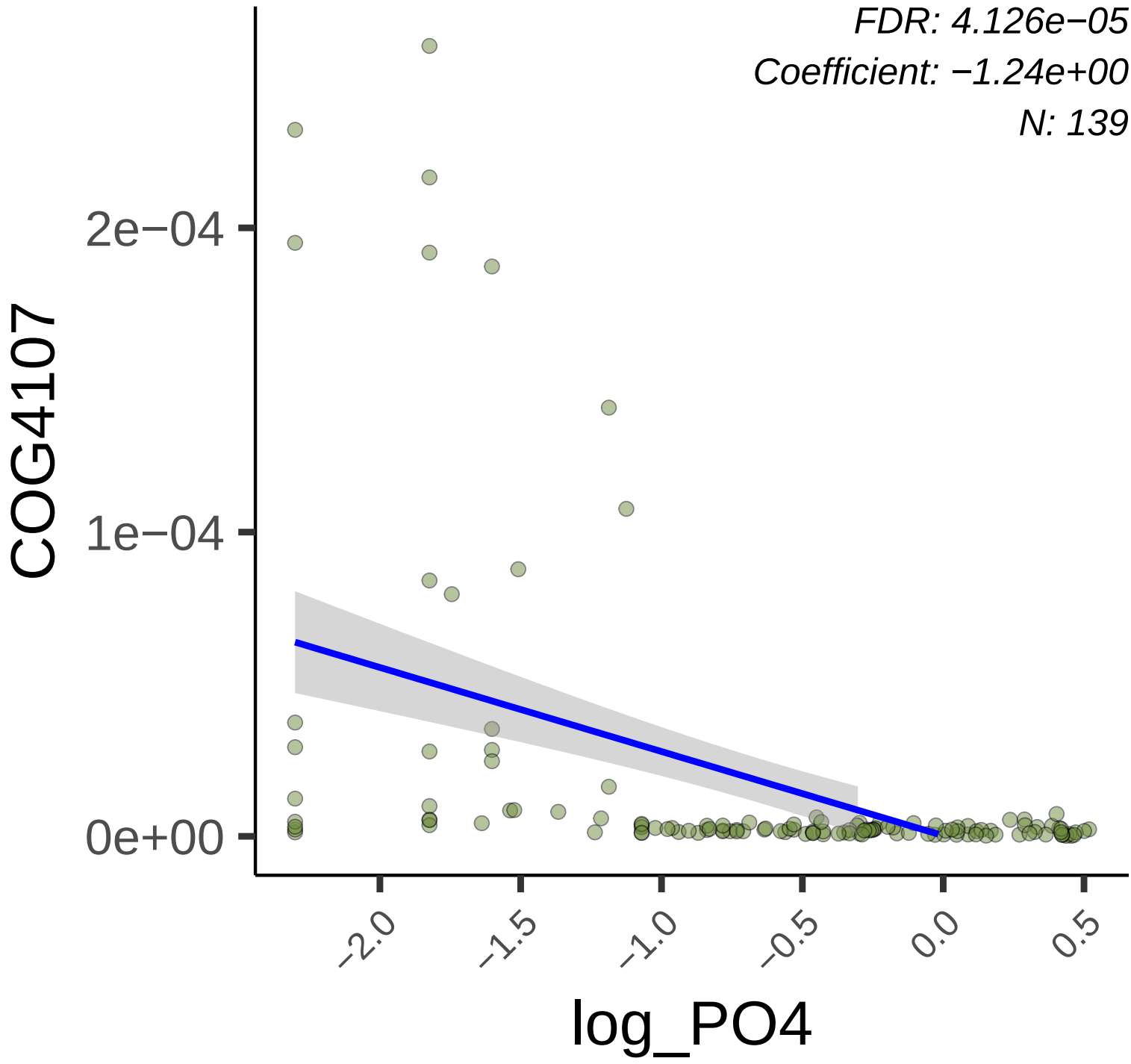
log_PO4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Coefficient: −1.24e+00
N: 139
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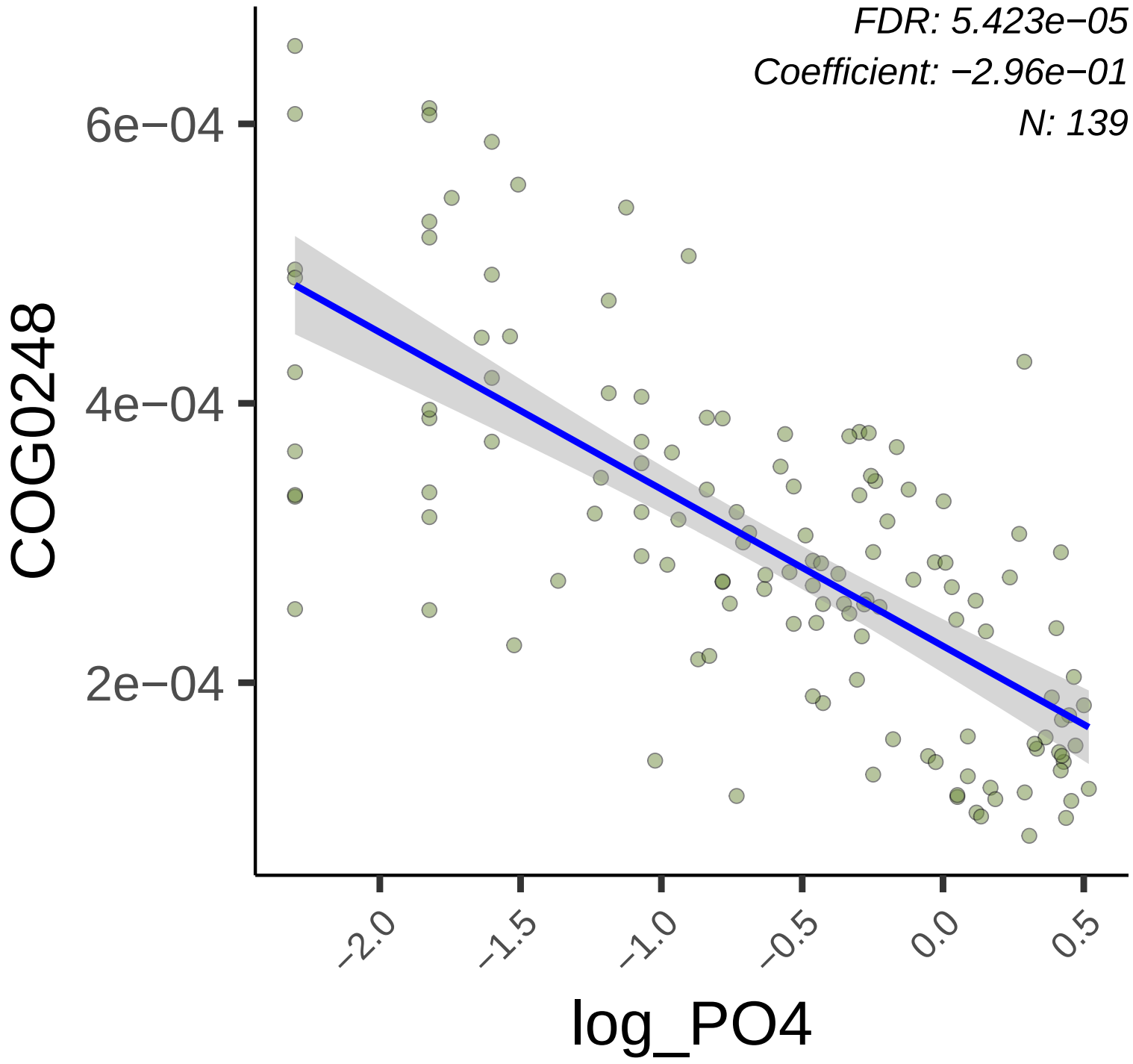
log_PO4


FDR: 5.423e−05
Coefficient: −2.96e−01
N: 139
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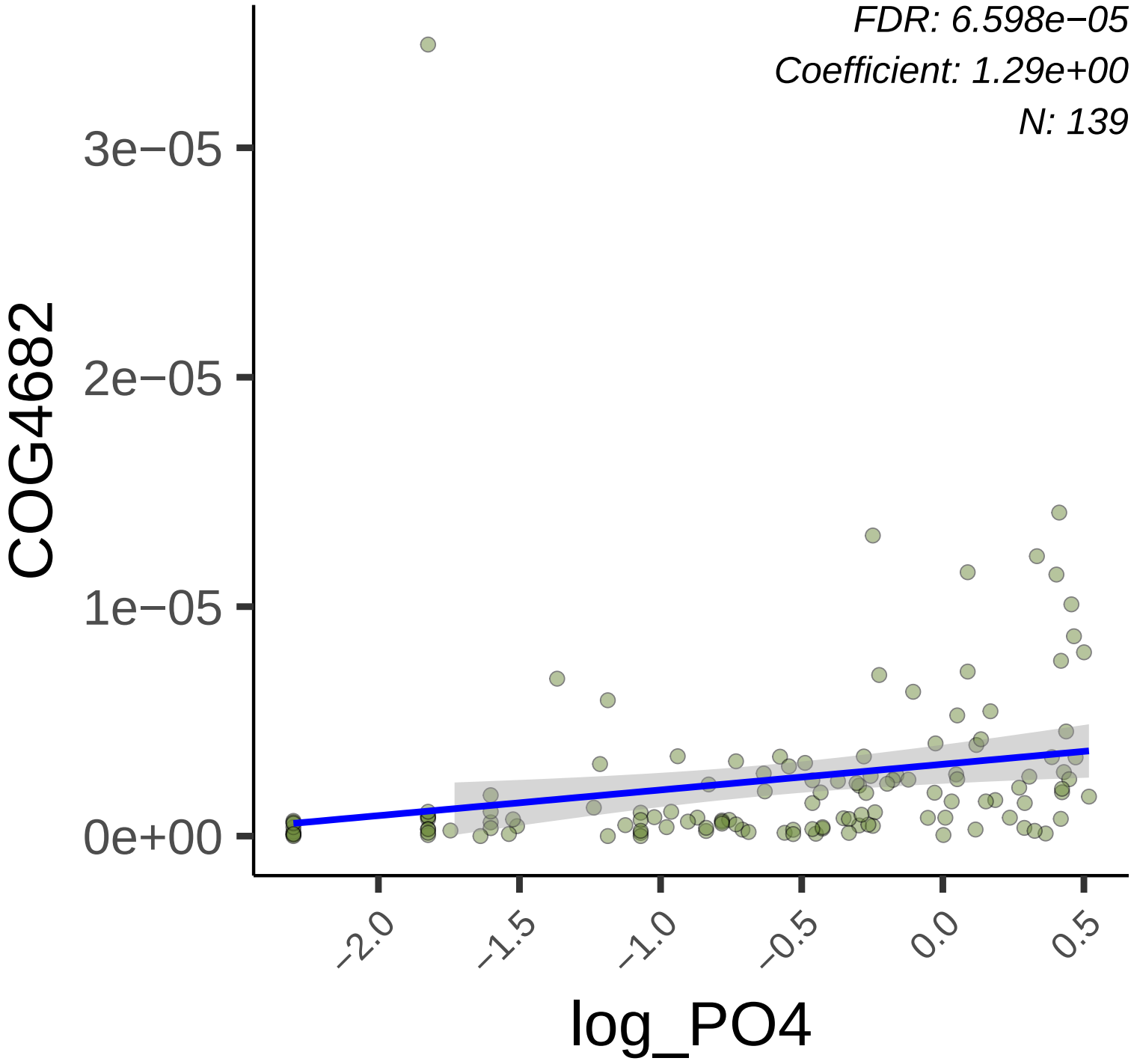
FDR: 6.598e−05
Coefficient: 1.29e+00
N: 139
COG4682
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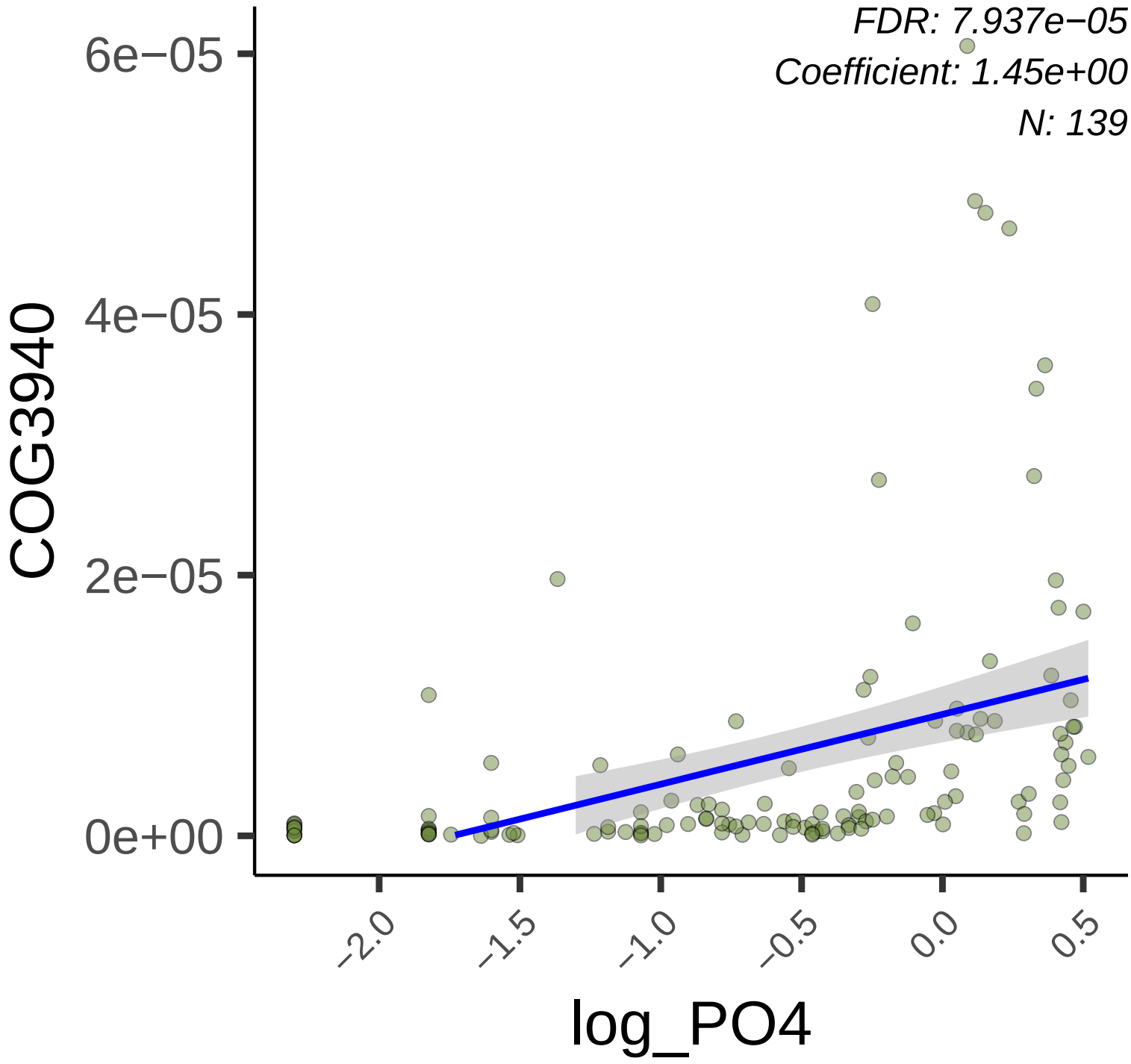
log_PO4


FDR: 7.937e−05
Coefficient: 1.45e+00
N: 139
COG3940
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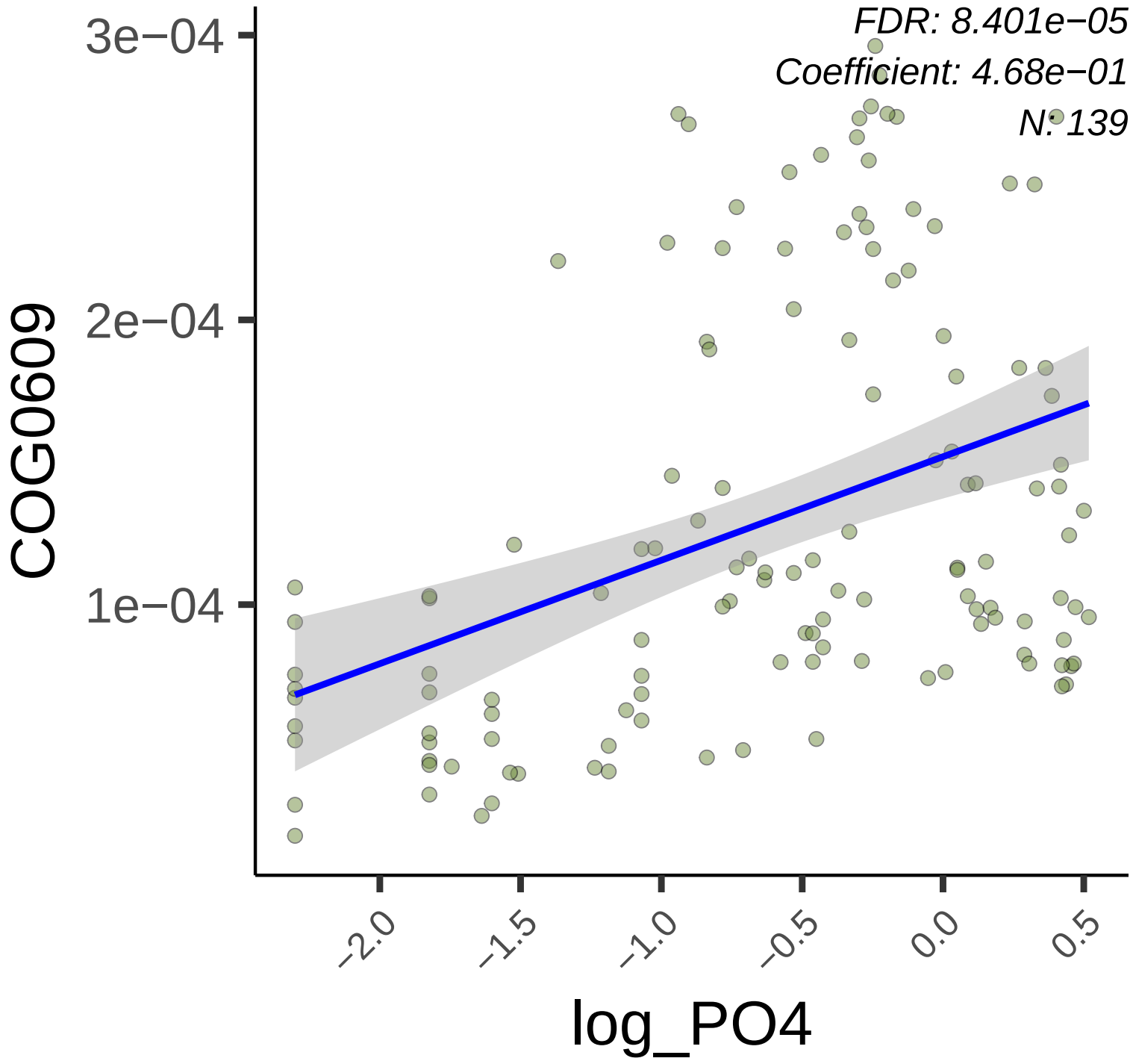
log_PO4


FDR: 8.401e−05
Coefficient: 4.68e−01
N: 139
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COG0609
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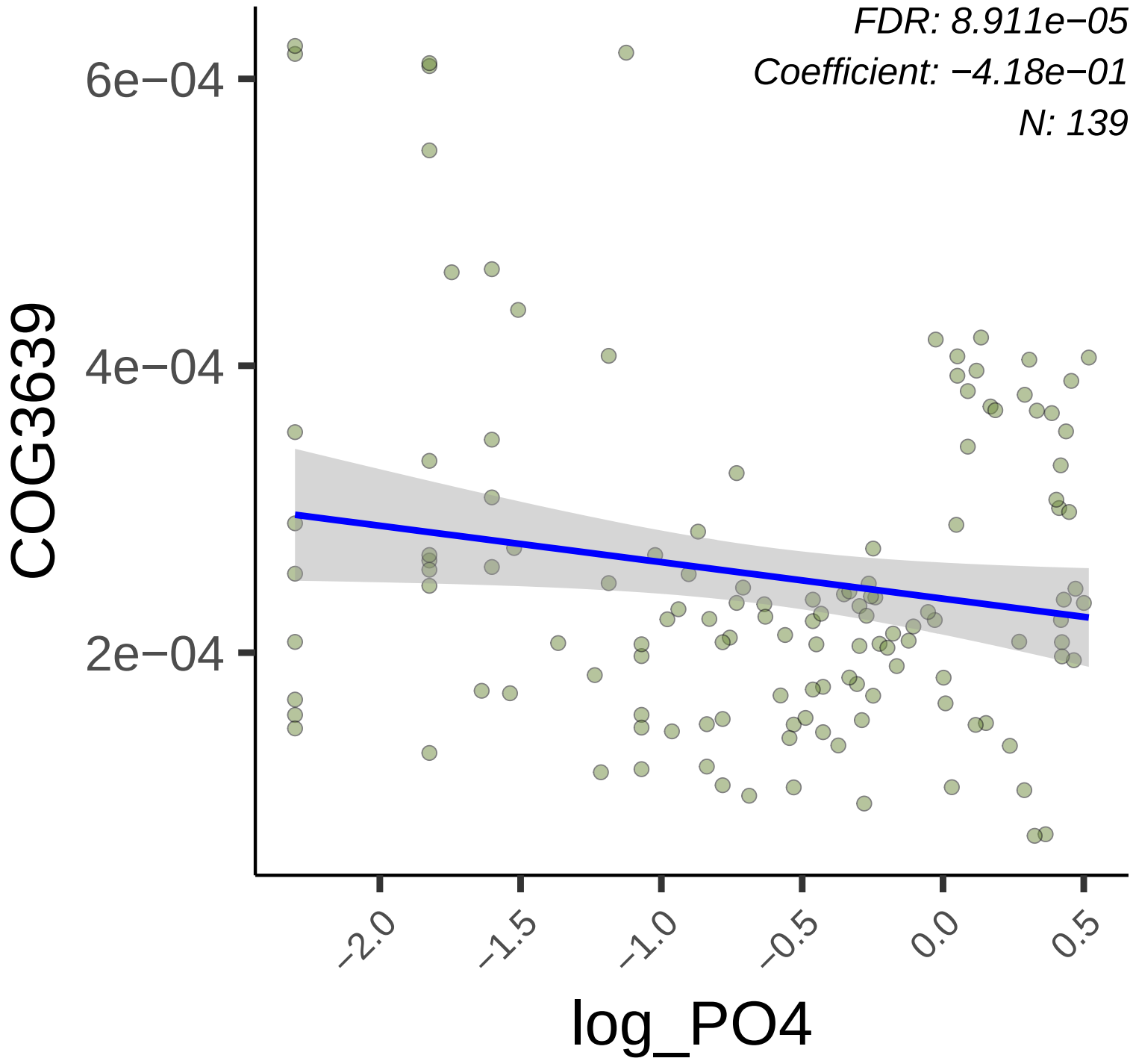
log_PO4


FDR: 8.911e−05
Coefficient: −4.18e−01
N: 139
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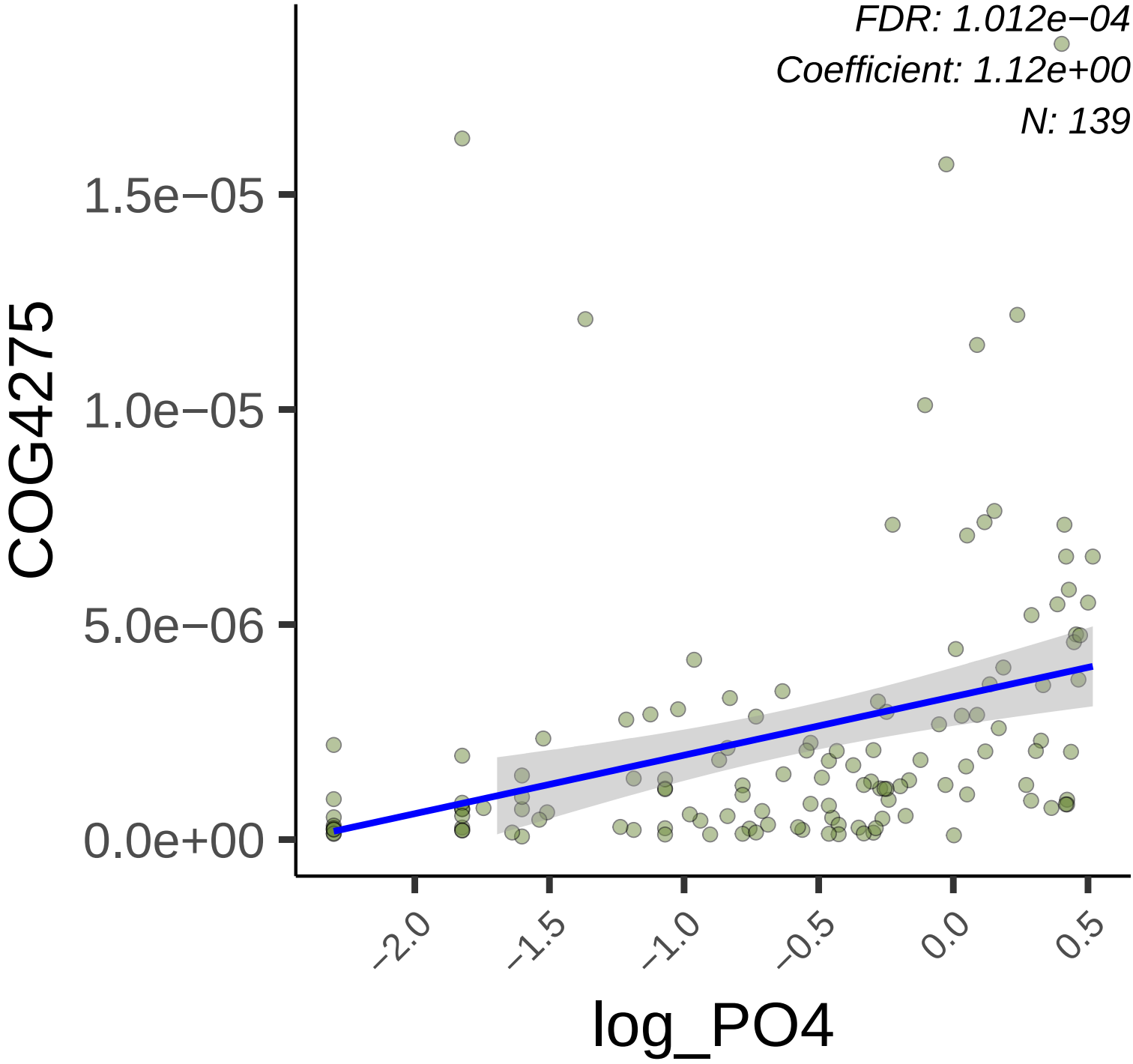
log_PO4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Coefficient: 1.12e+00
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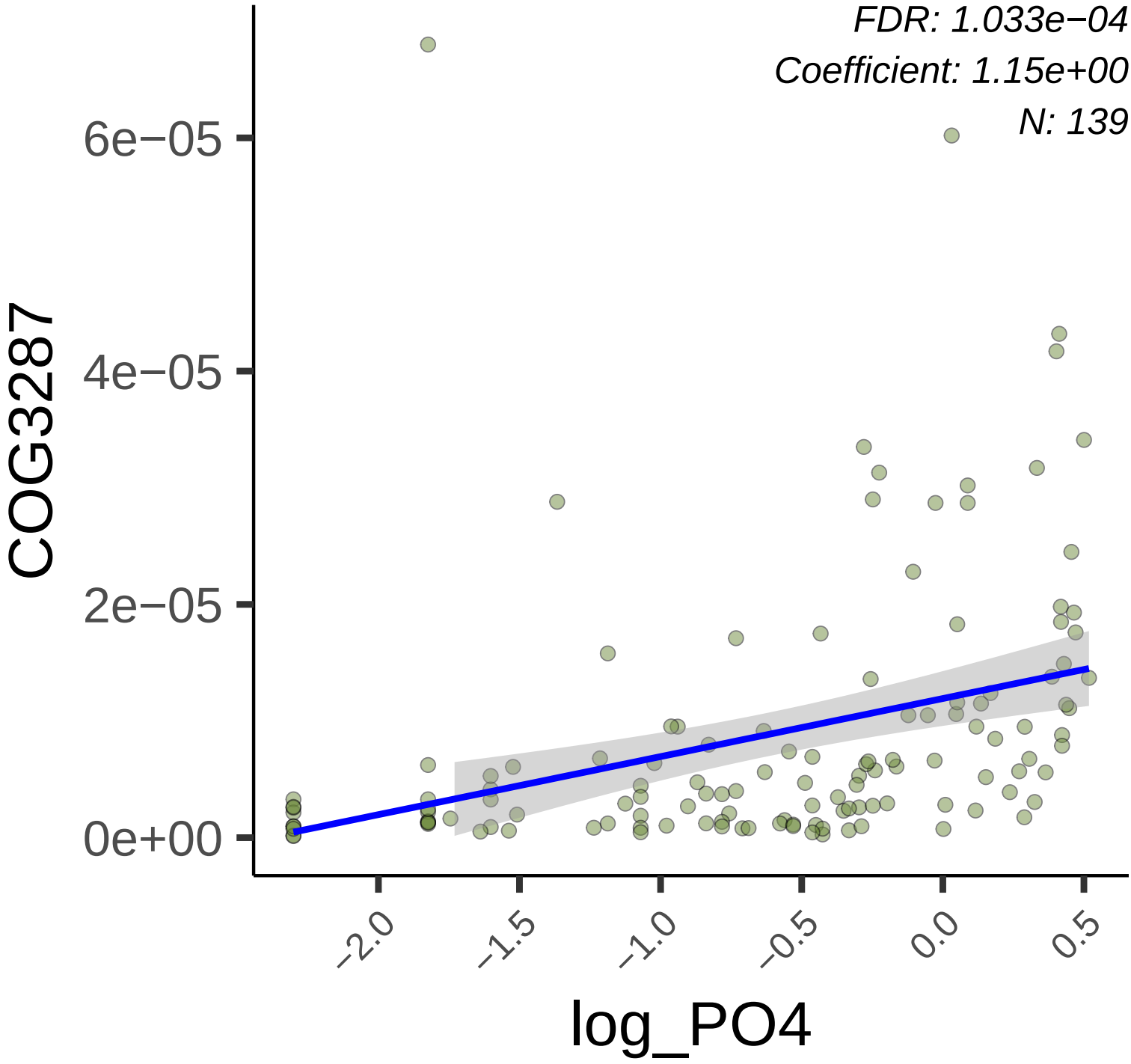
log_PO4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Coefficient: 1.15e+00
N: 139
COG3287
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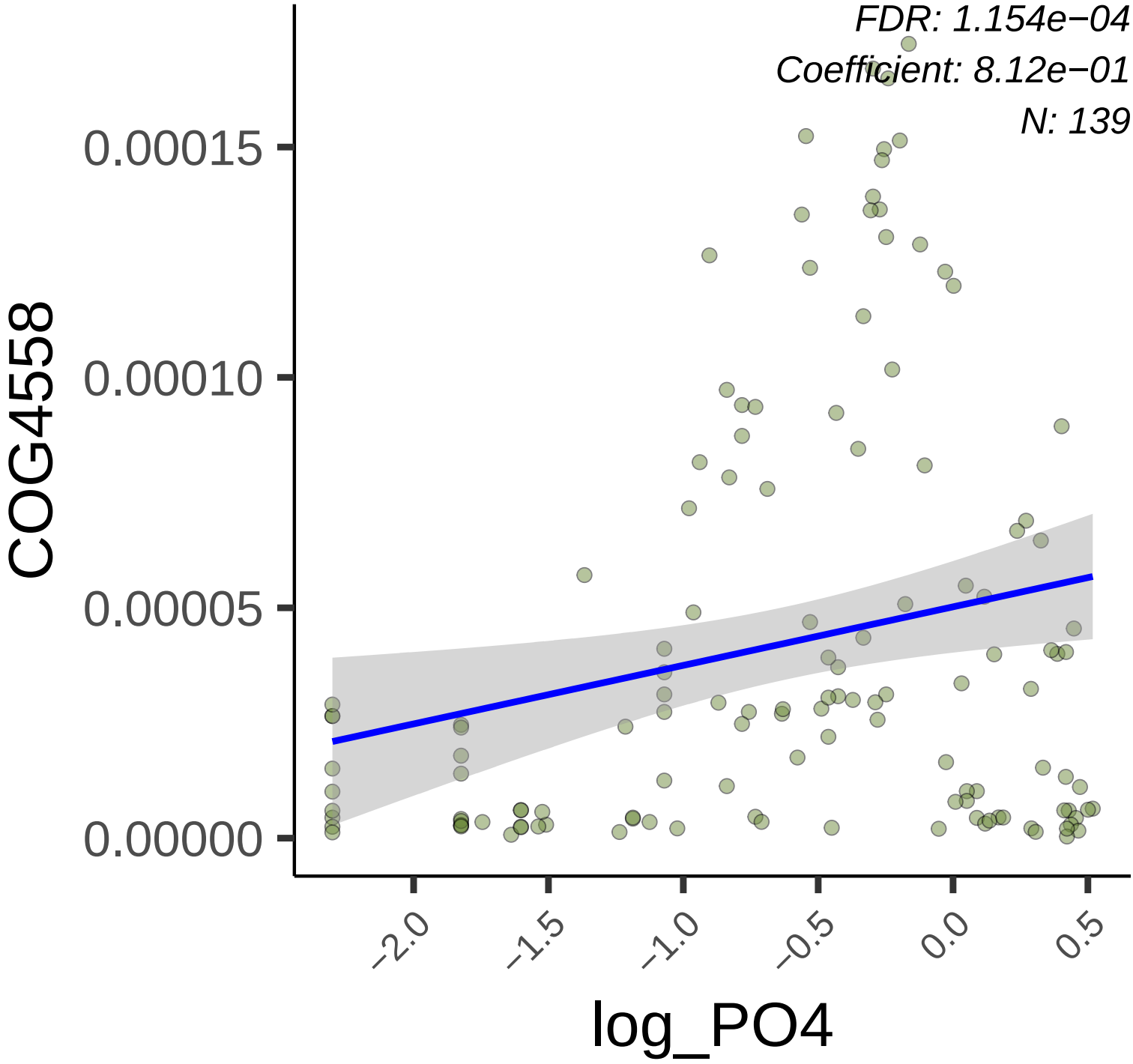
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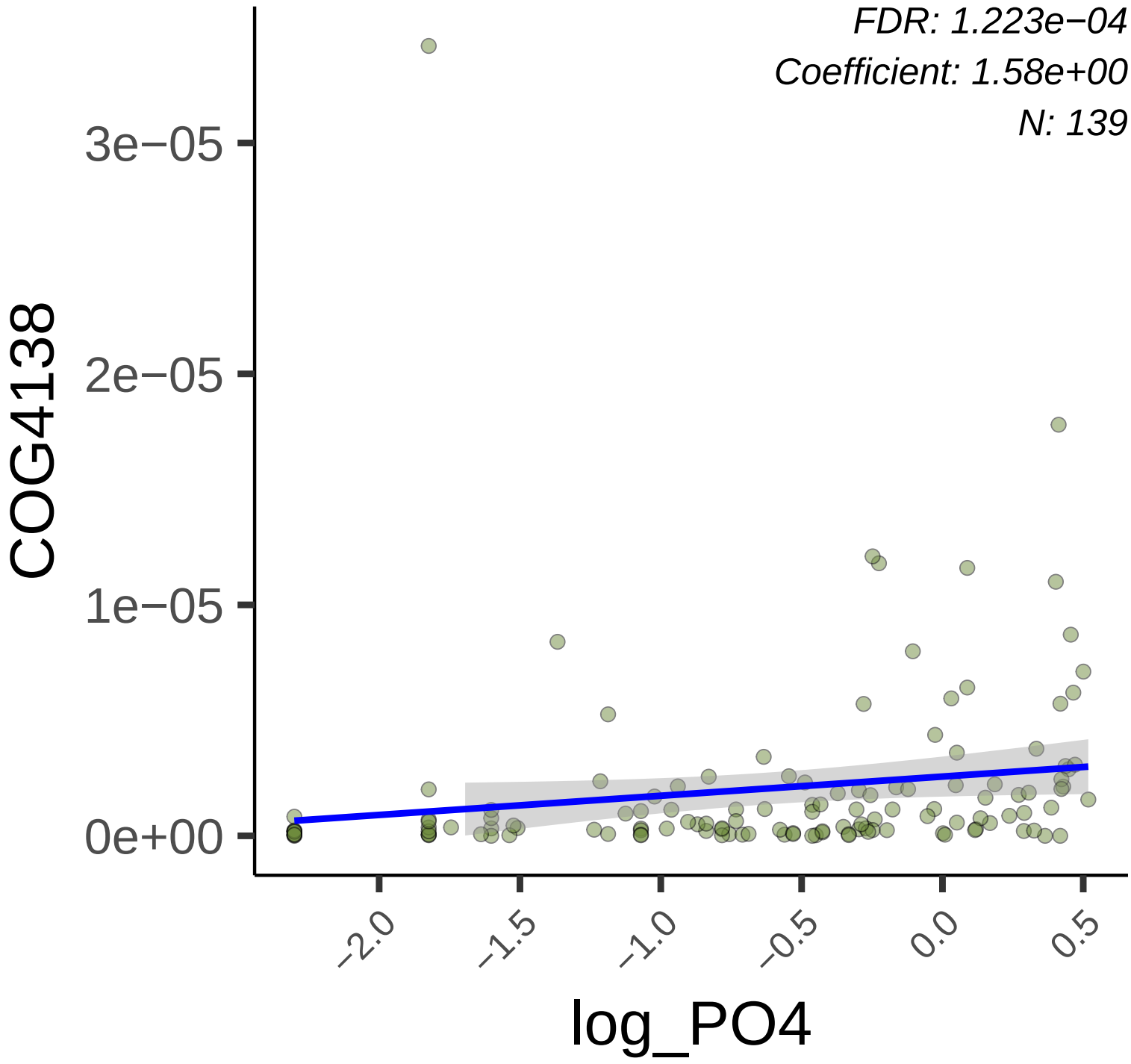
log_PO4


FDR: 1.223e−04
Coefficient: 1.58e+00
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COG4138
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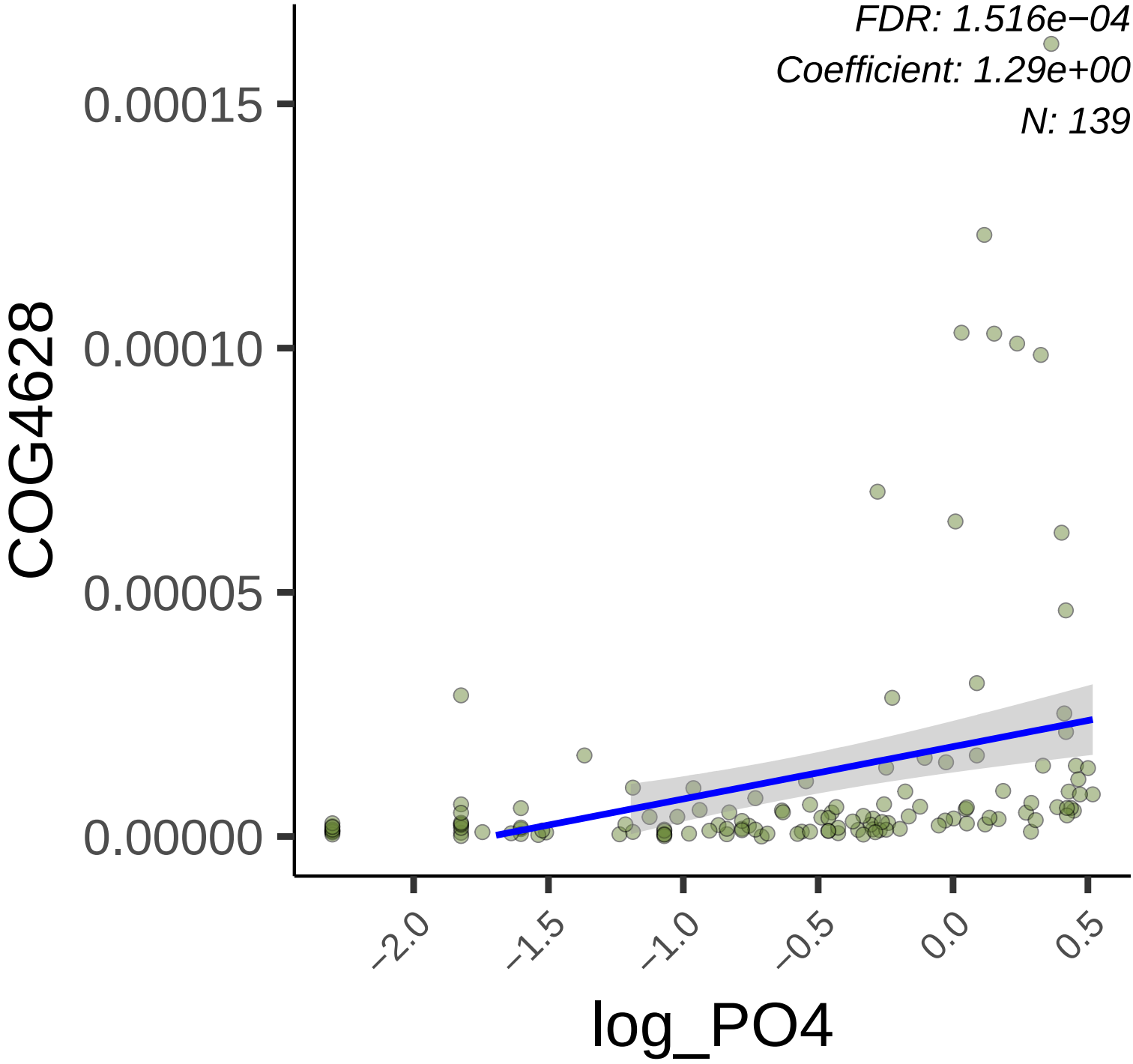
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COG4628
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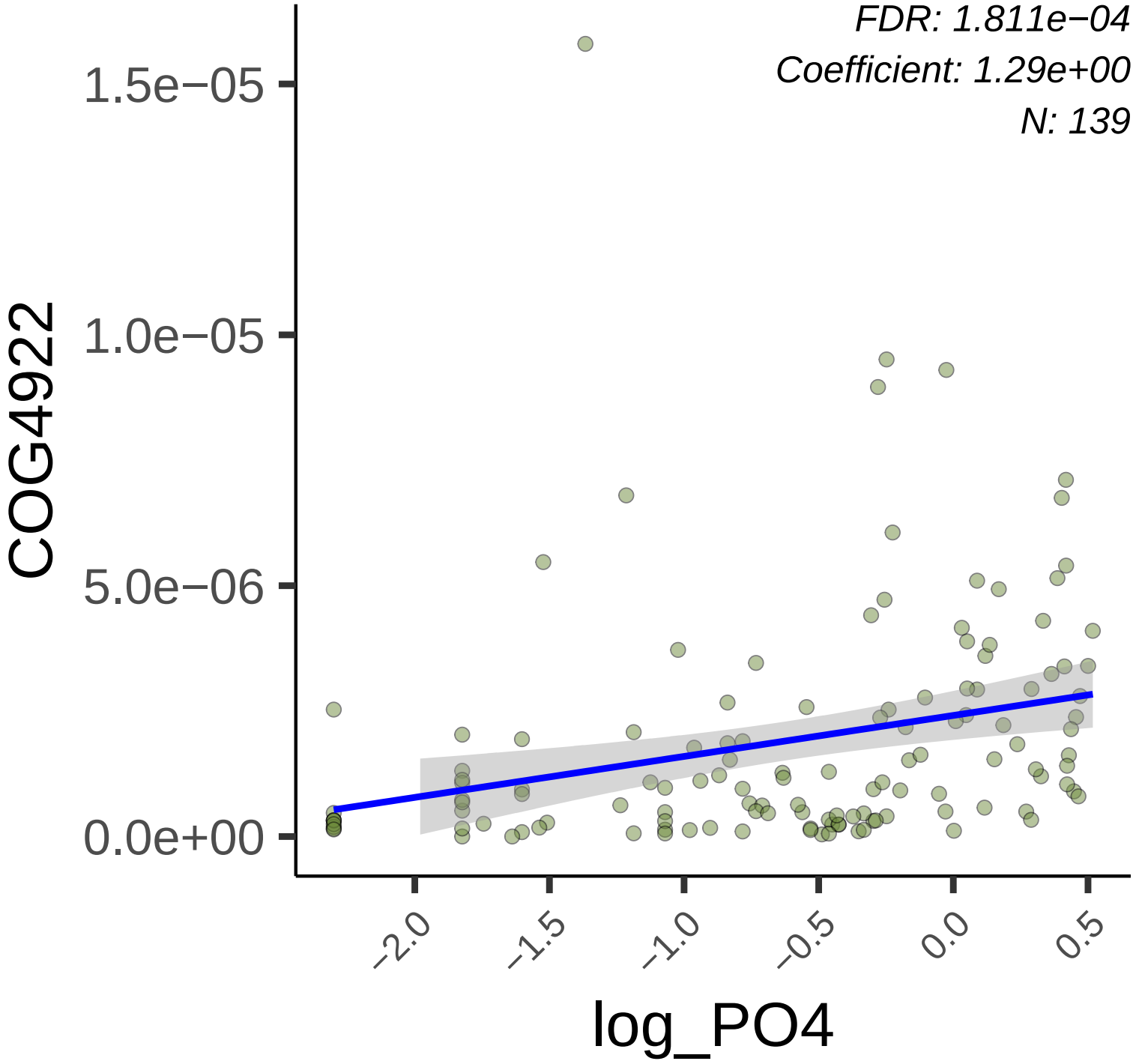
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Coefficient: 1.29e+00
N: 139
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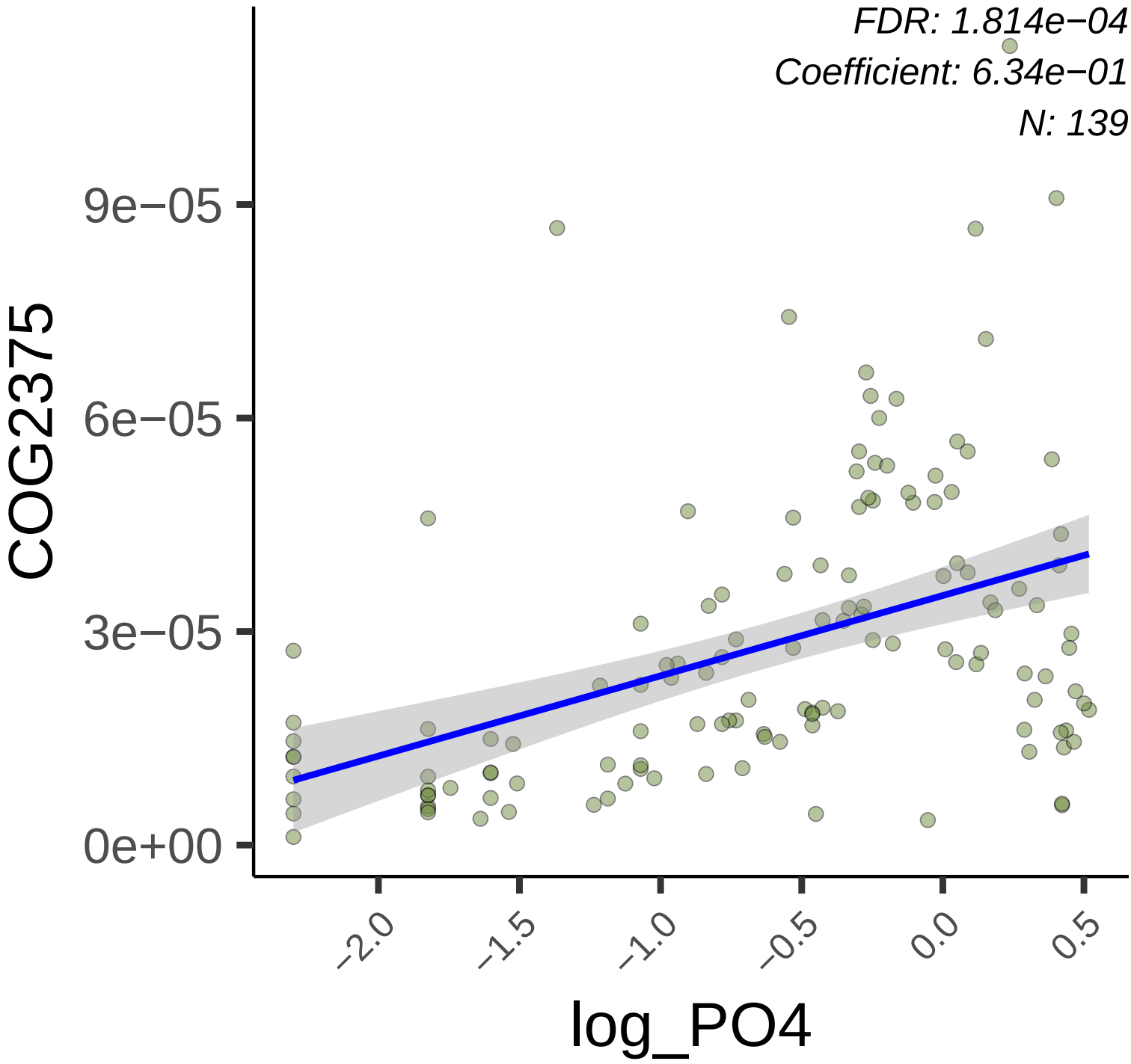
log_PO4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Coefficient: 6.34e−01
N: 139
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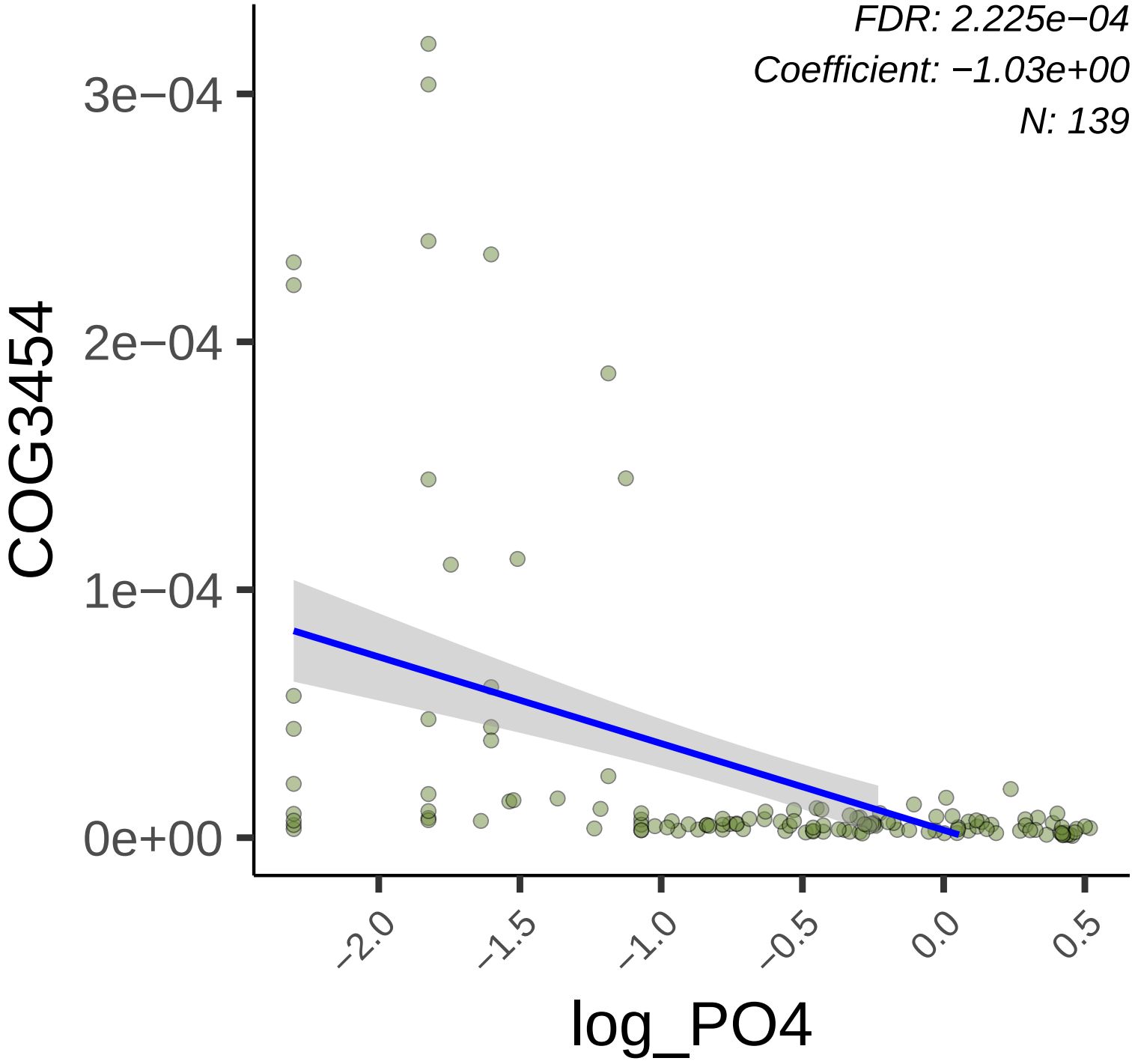
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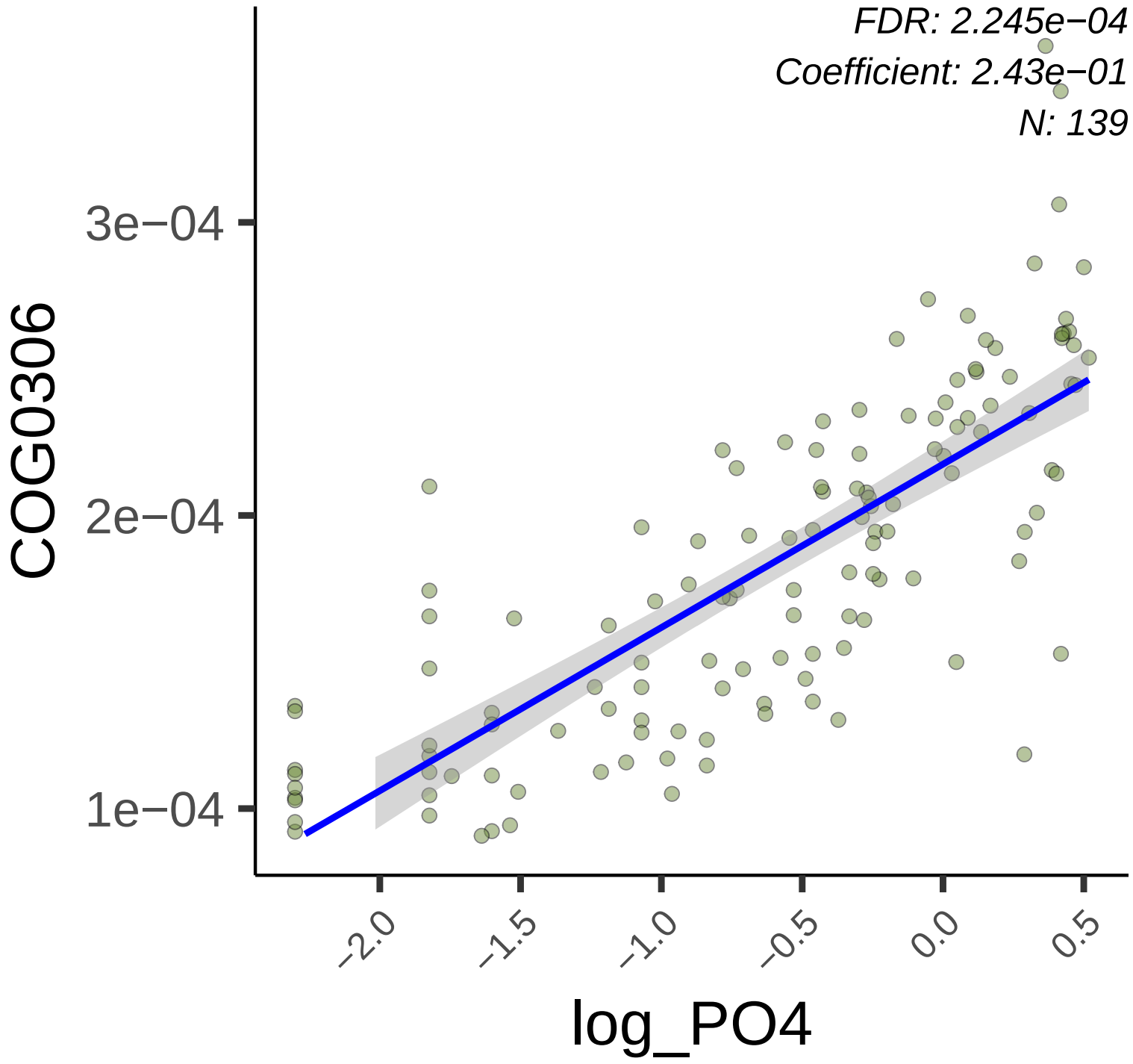
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Coefficient: 2.43e−01
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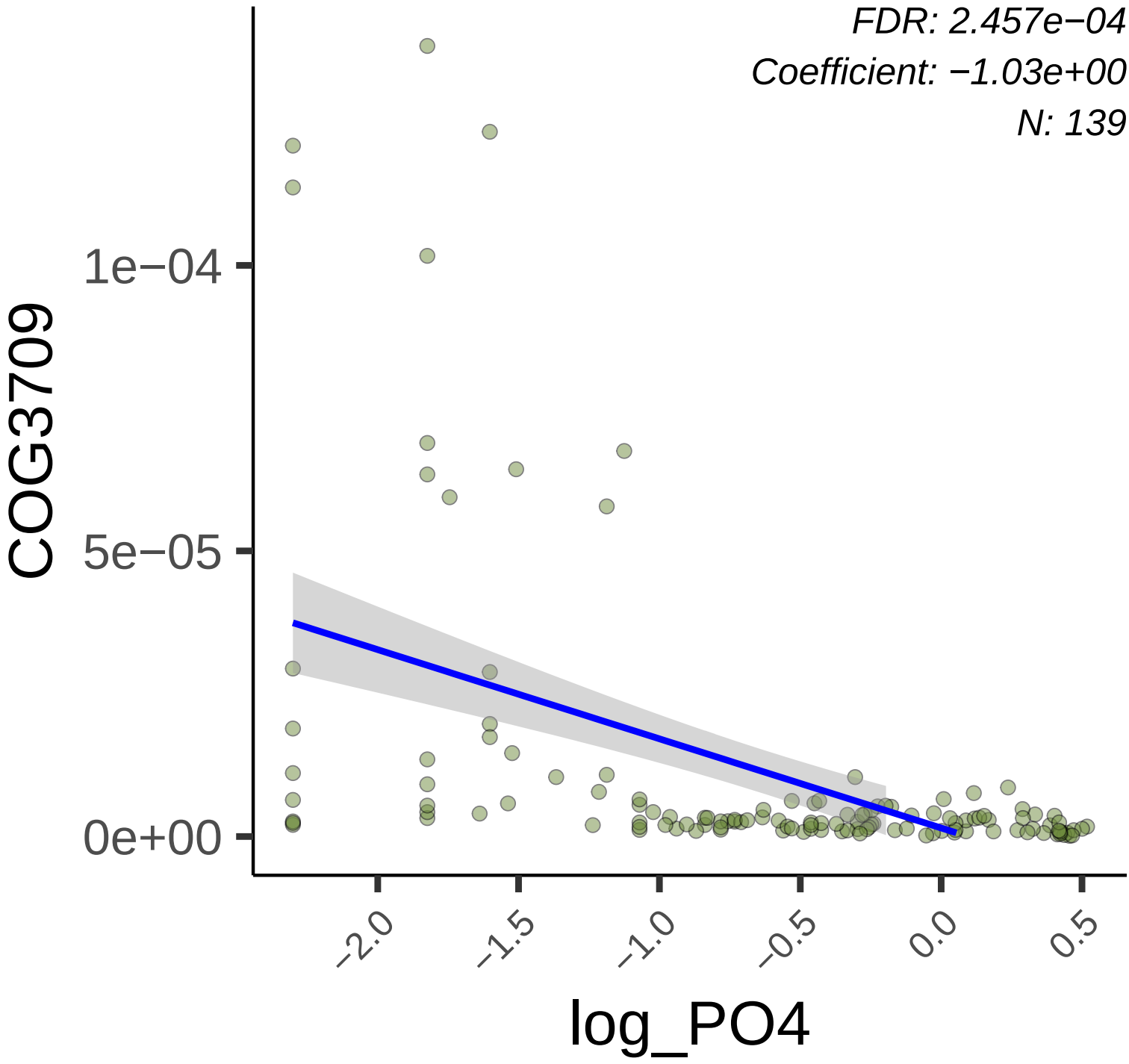
log_PO4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Coefficient: −1.03e+00
N: 139
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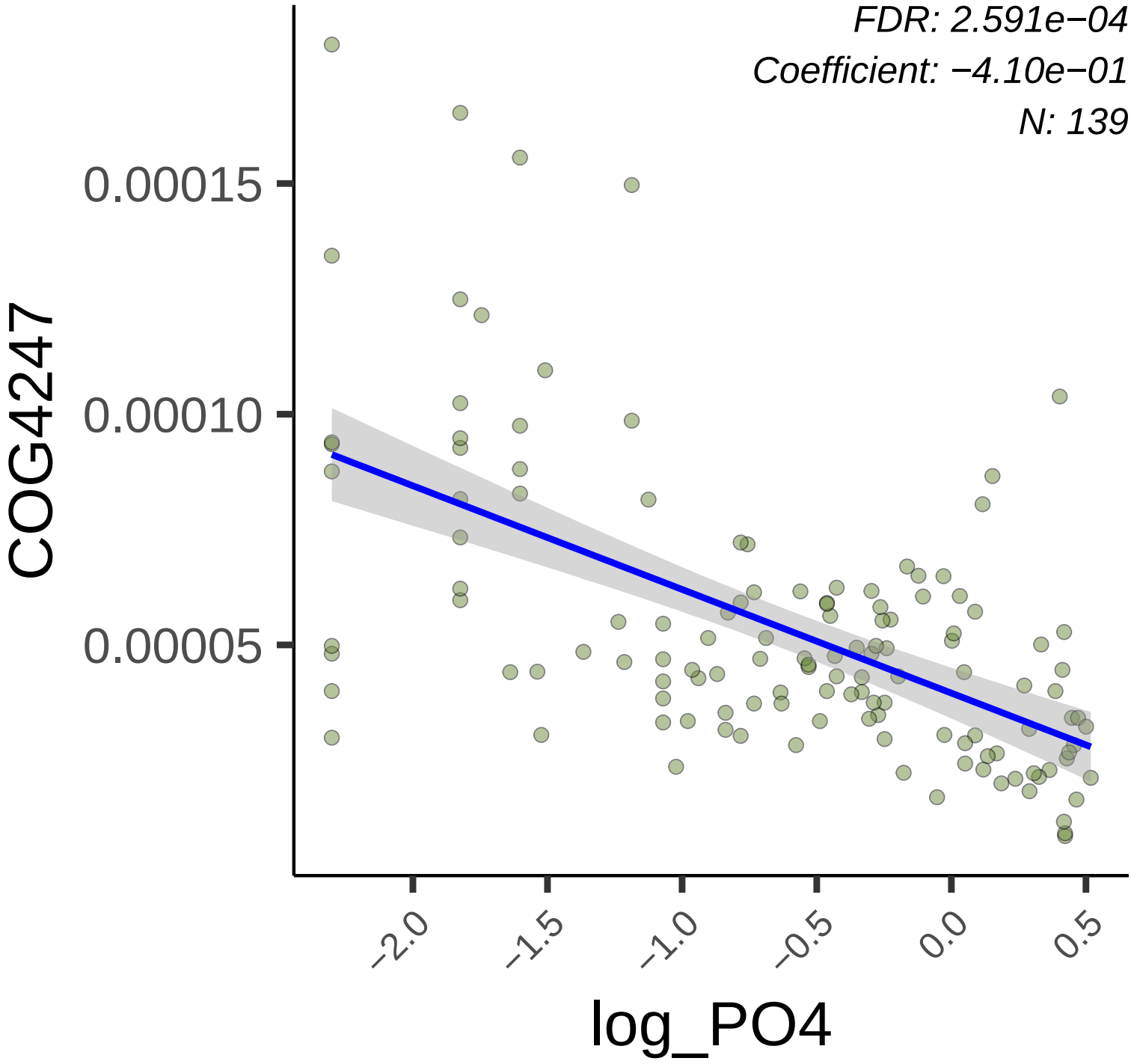
log_PO4


FDR: 2.591e−04
Coefficient: −4.10e−01
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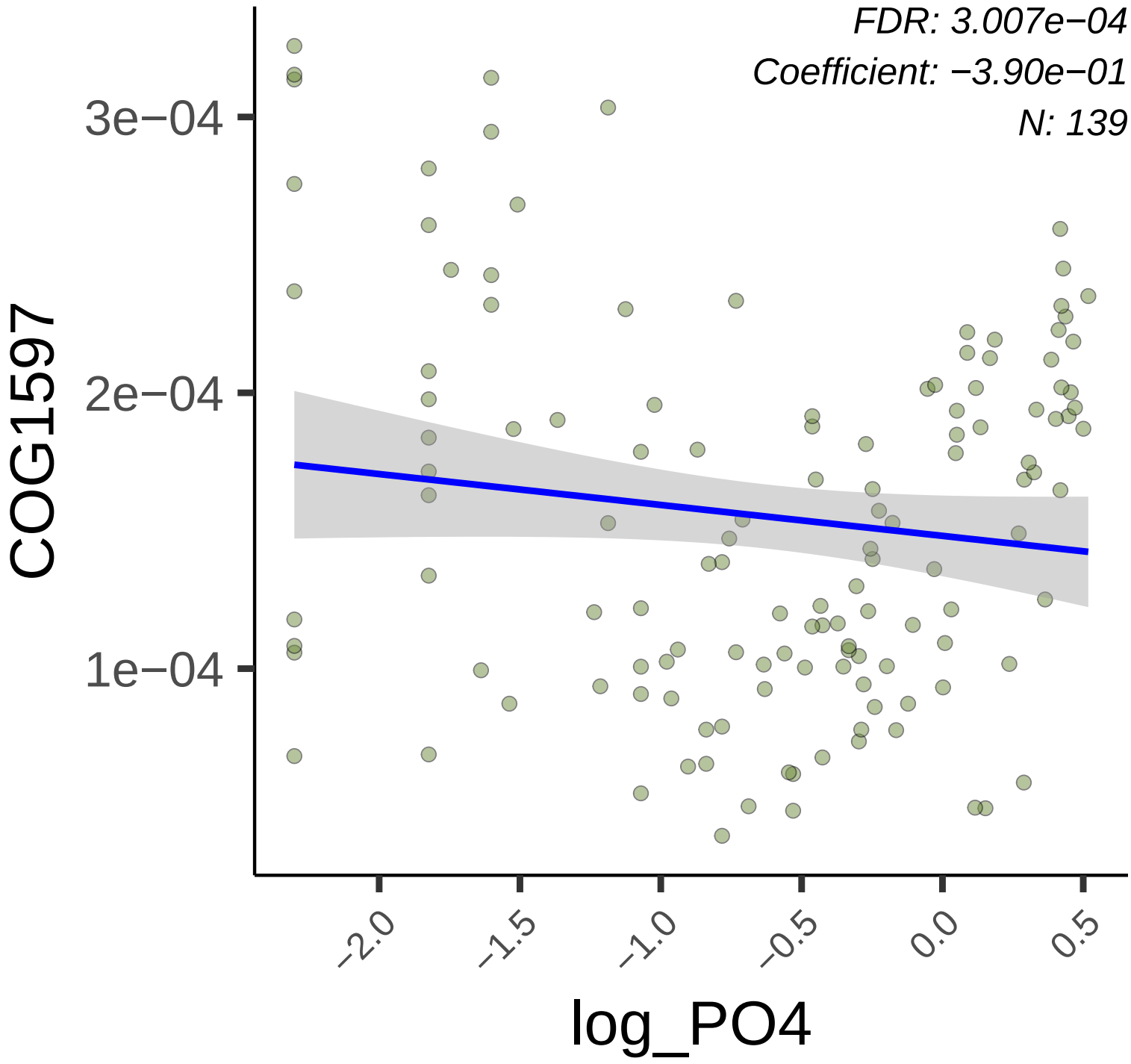
log_PO4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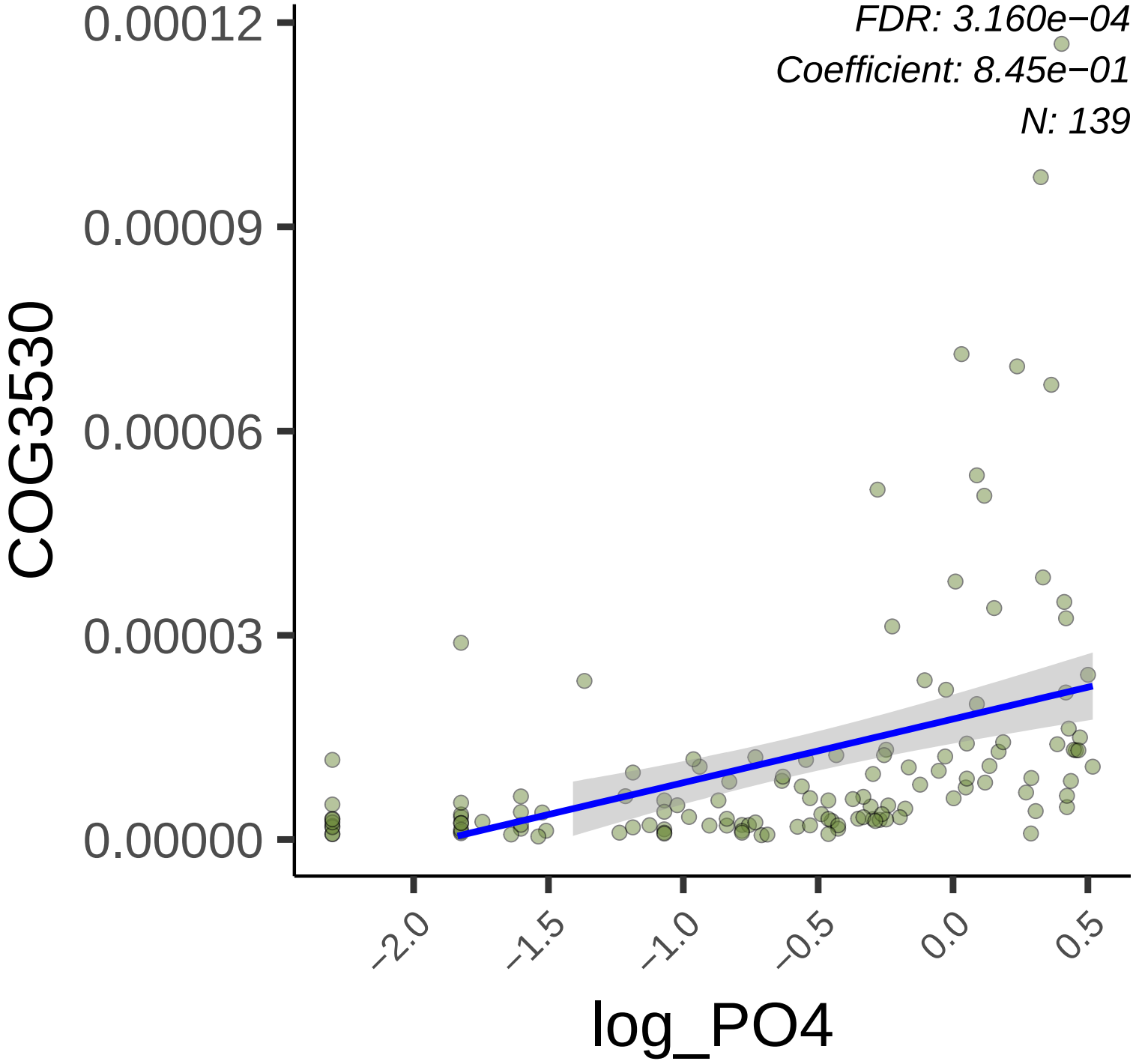
log_PO4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Coefficient: 8.45e−01
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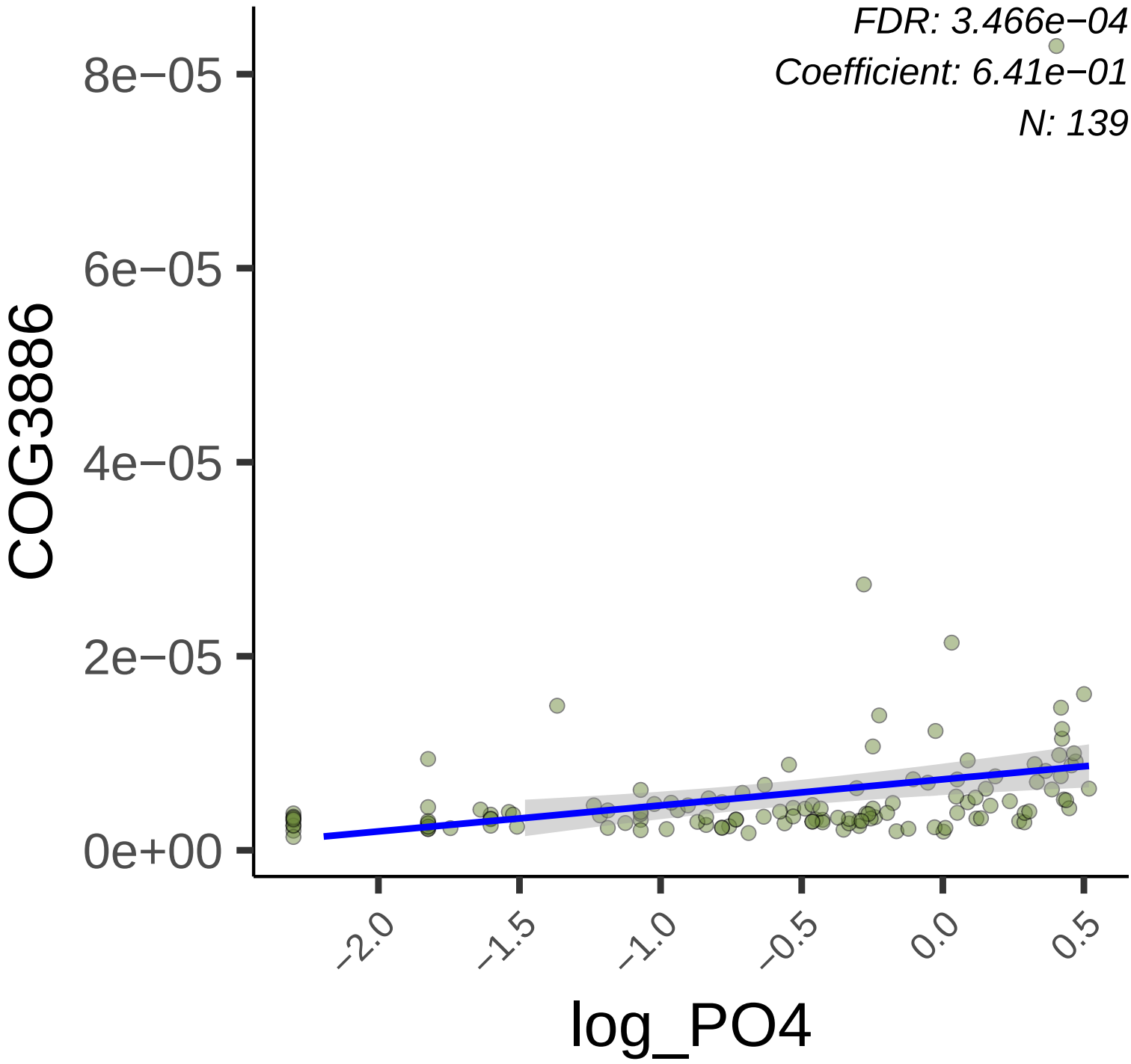
log_PO4


FDR: 3.466e−04
Coefficient: 6.41e−01
N: 139
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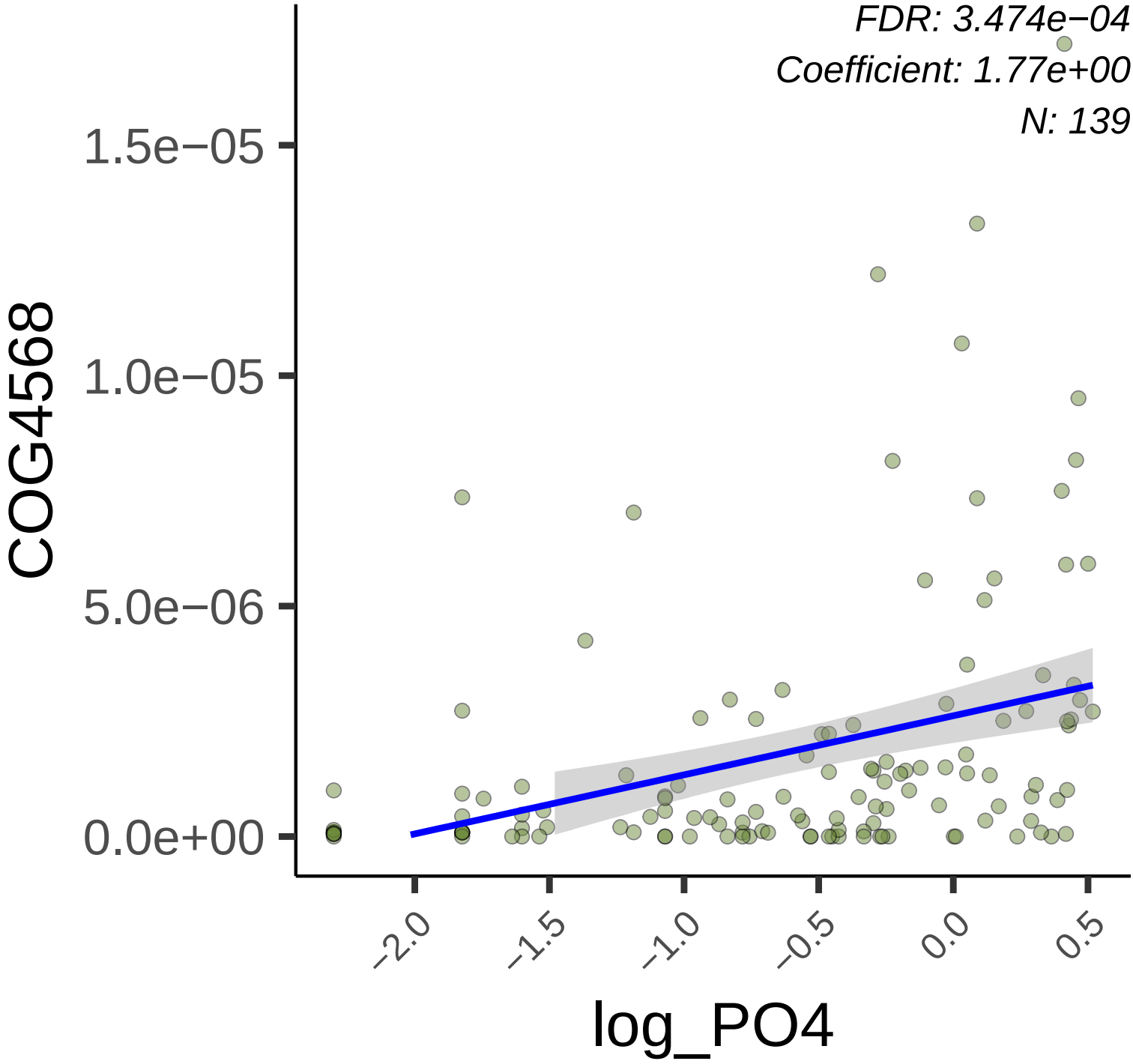
log_PO4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Coefficient: 1.77e+00
N: 139
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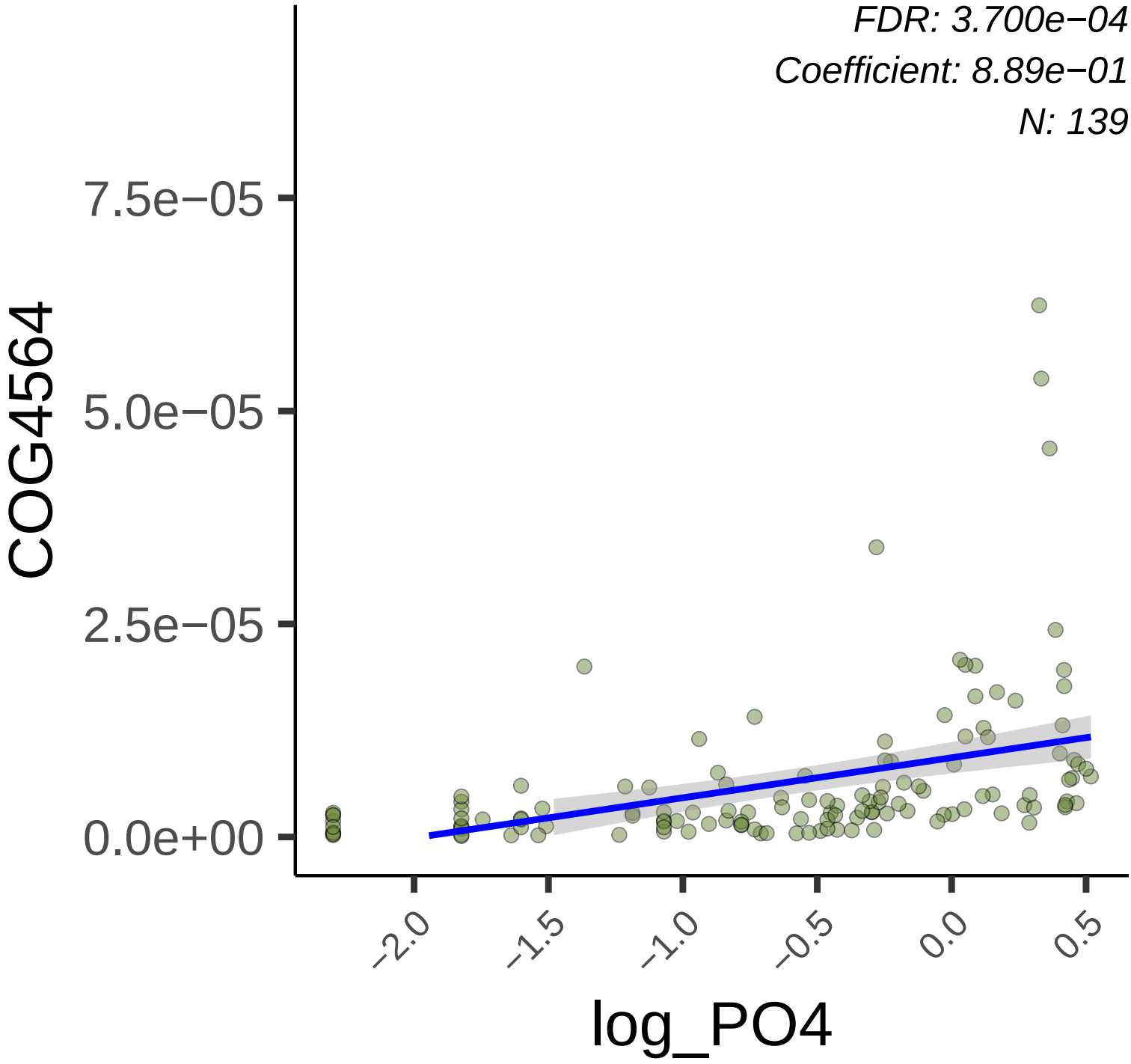
log_PO4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Coefficient: 8.89e−01
N: 139
COG4564
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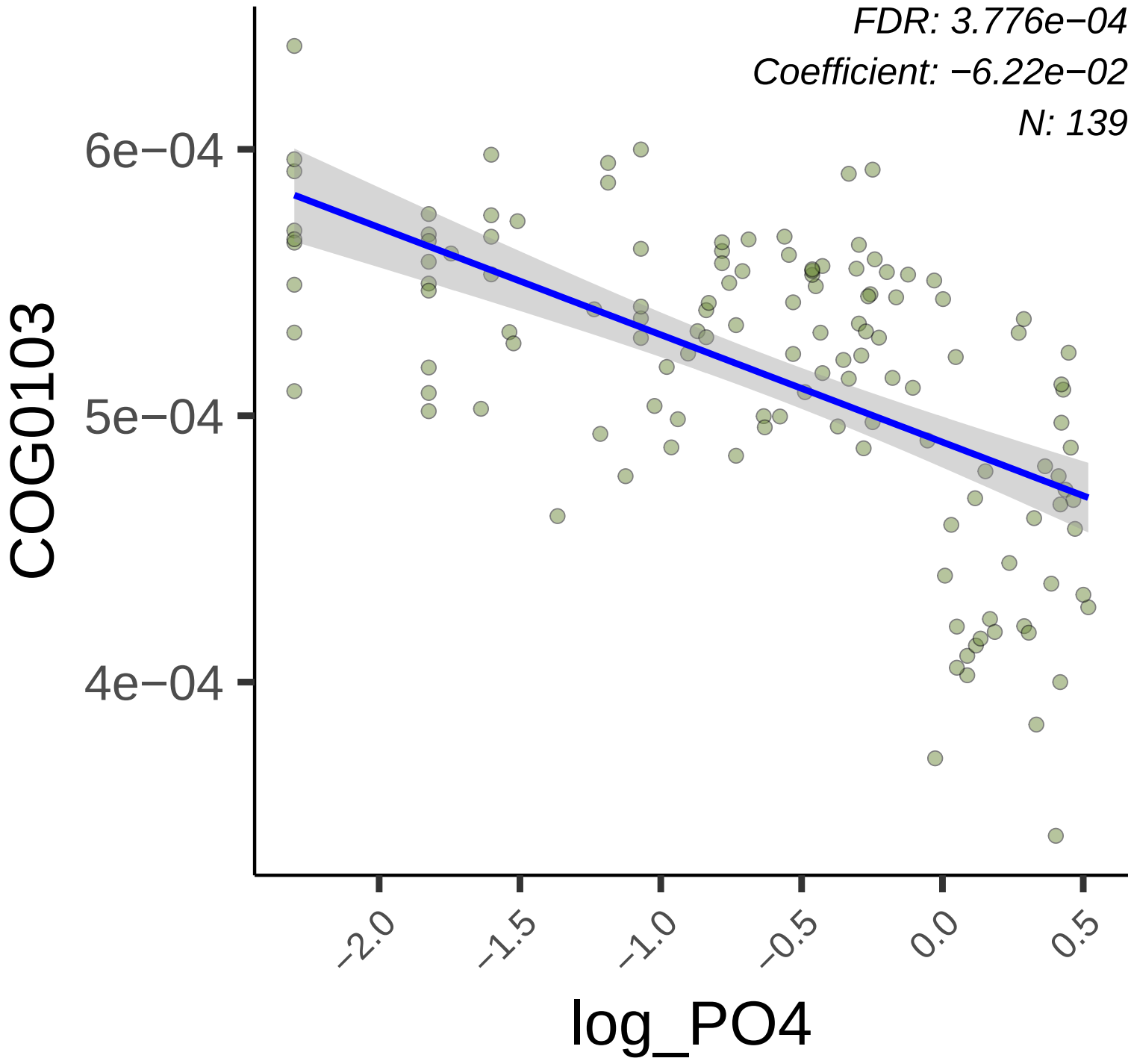
log_PO4


FDR: 3.776e−04
Coefficient: −6.22e−02
N: 139
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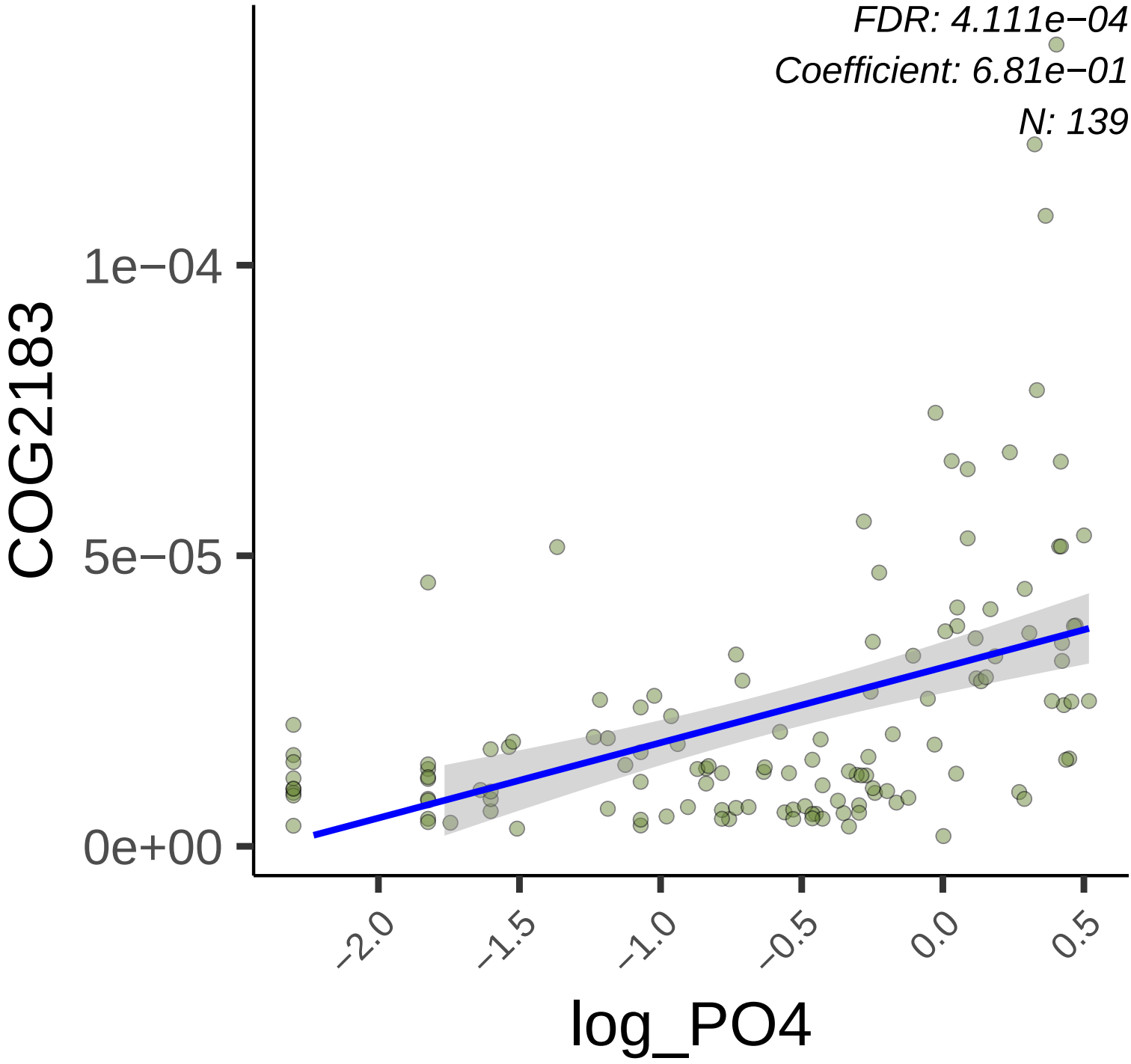
log_PO4


FDR: 4.111e−04
Coefficient: 6.81e−01
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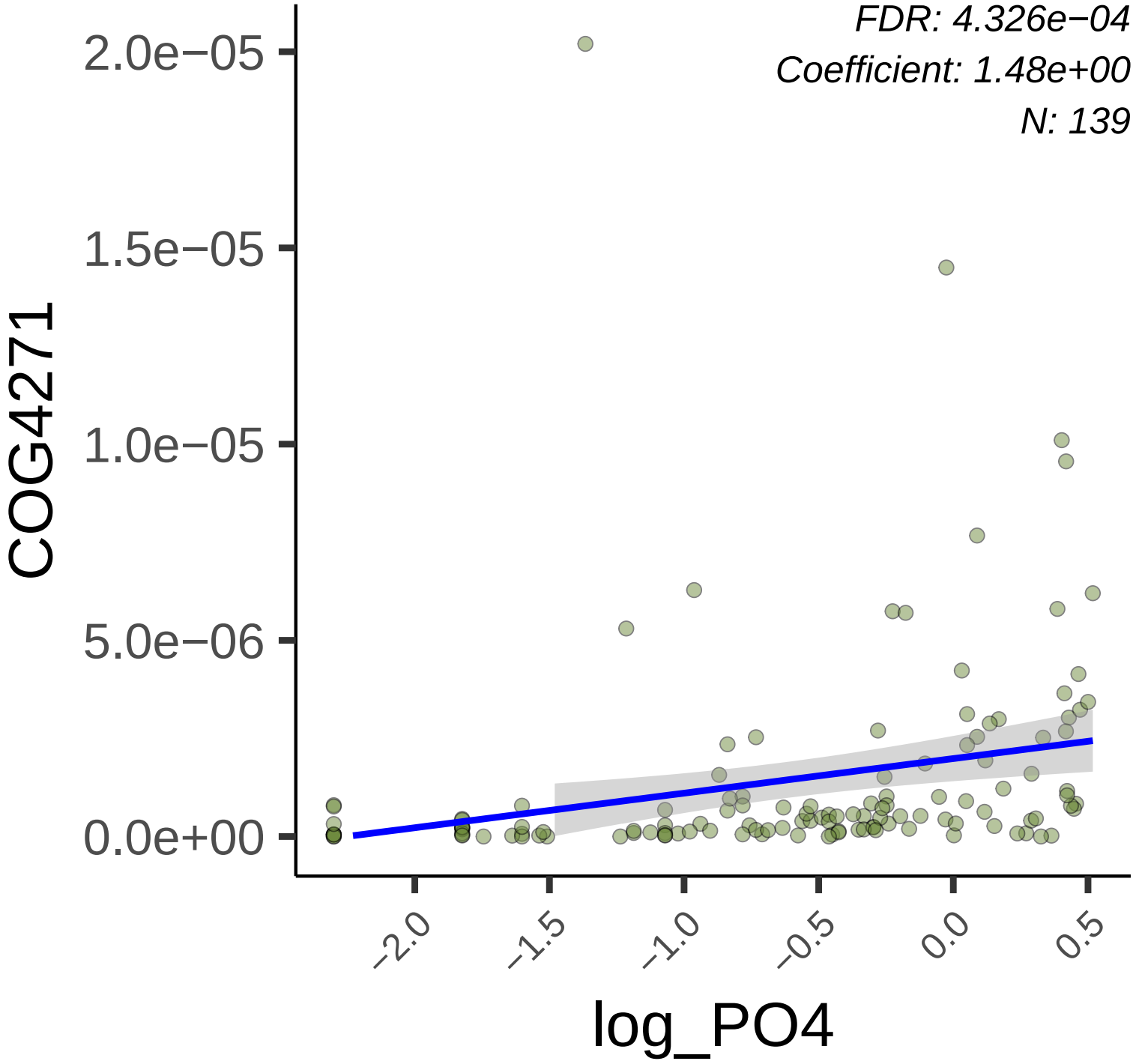
log_PO4


FDR: 4.326e−04
Coefficient: 1.48e+00
N: 139
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1.5e−05
1.0e−05
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COG4271
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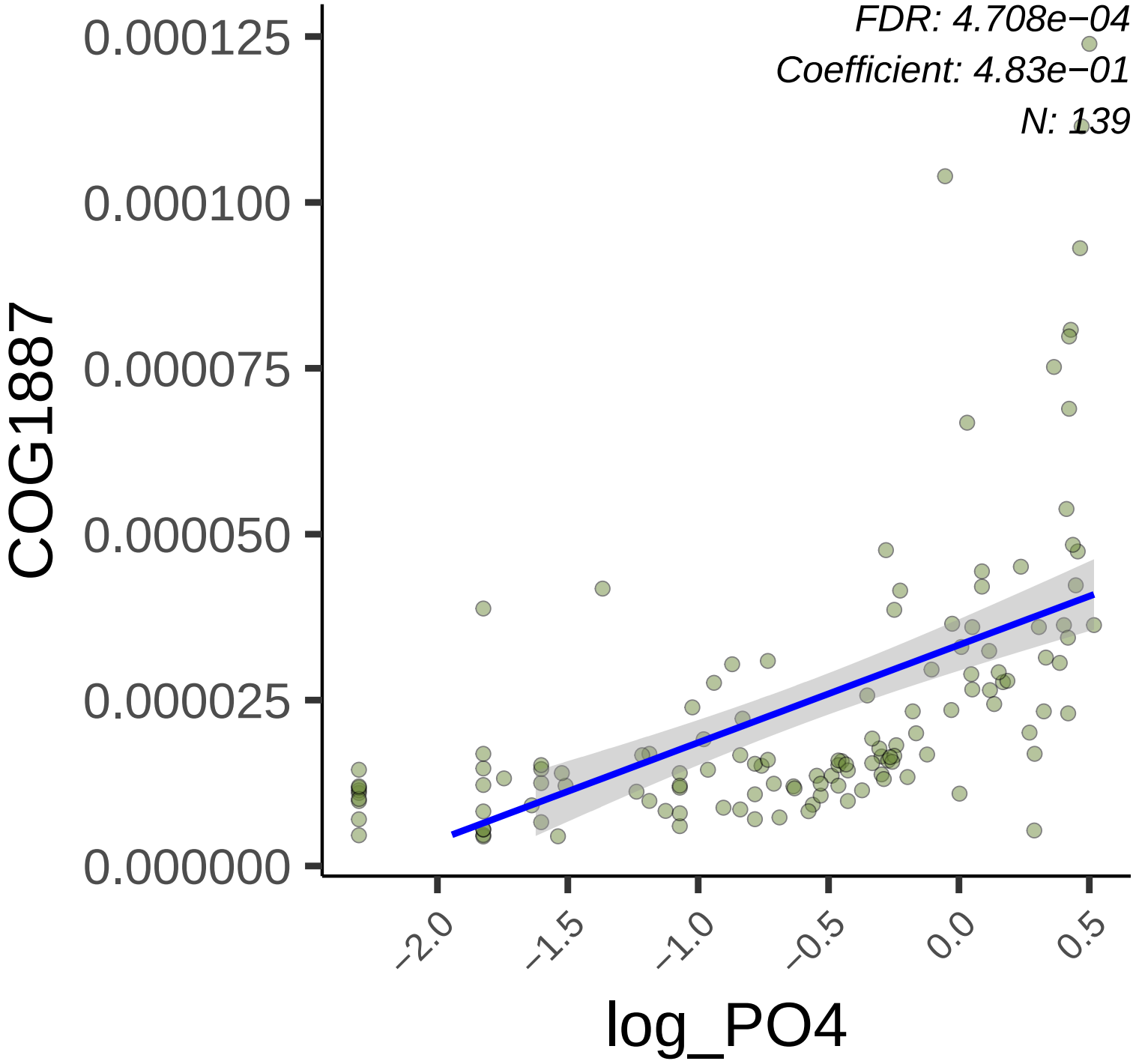
log_PO4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Coefficient: 4.83e−01
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COG1887
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0.000000
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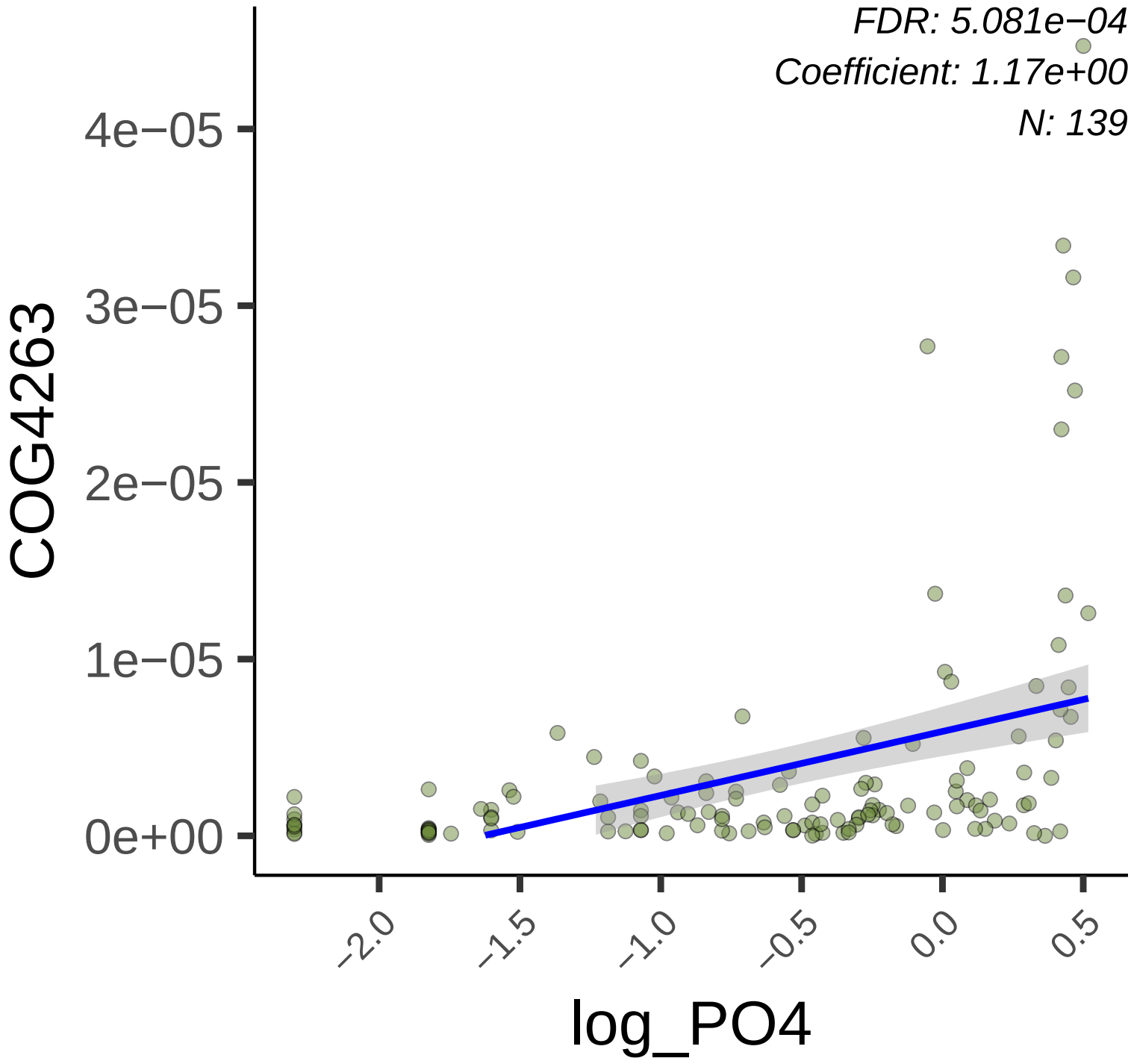
log_PO4


FDR: 5.081e−04
Coefficient: 1.17e+00
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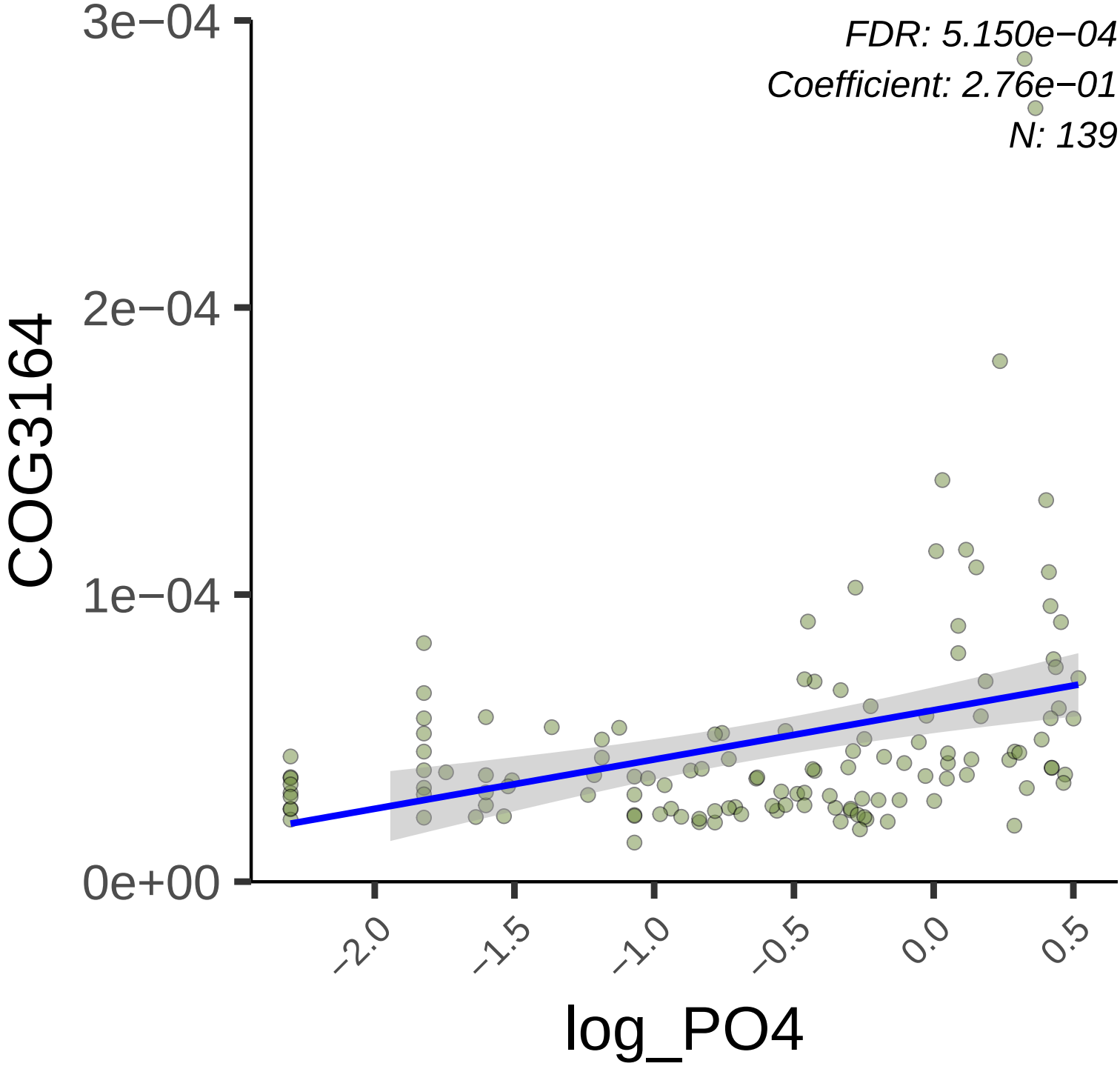
log_PO4


FDR: 5.150e−04
Coefficient: 2.76e−01
N: 139
COG3164
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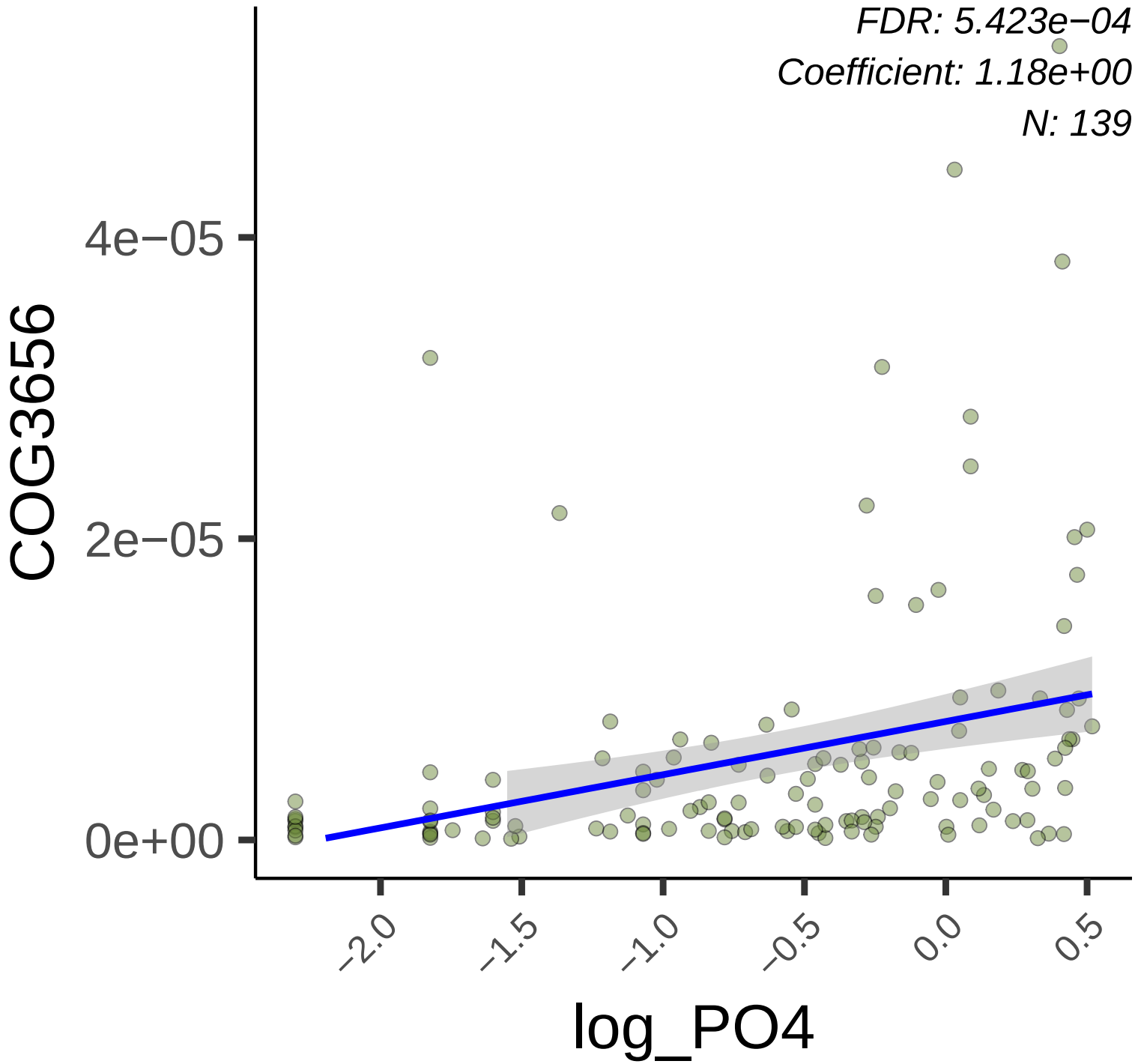
log_PO4


FDR: 5.423e−04
Coefficient: 1.18e+00
N: 139
COG3656
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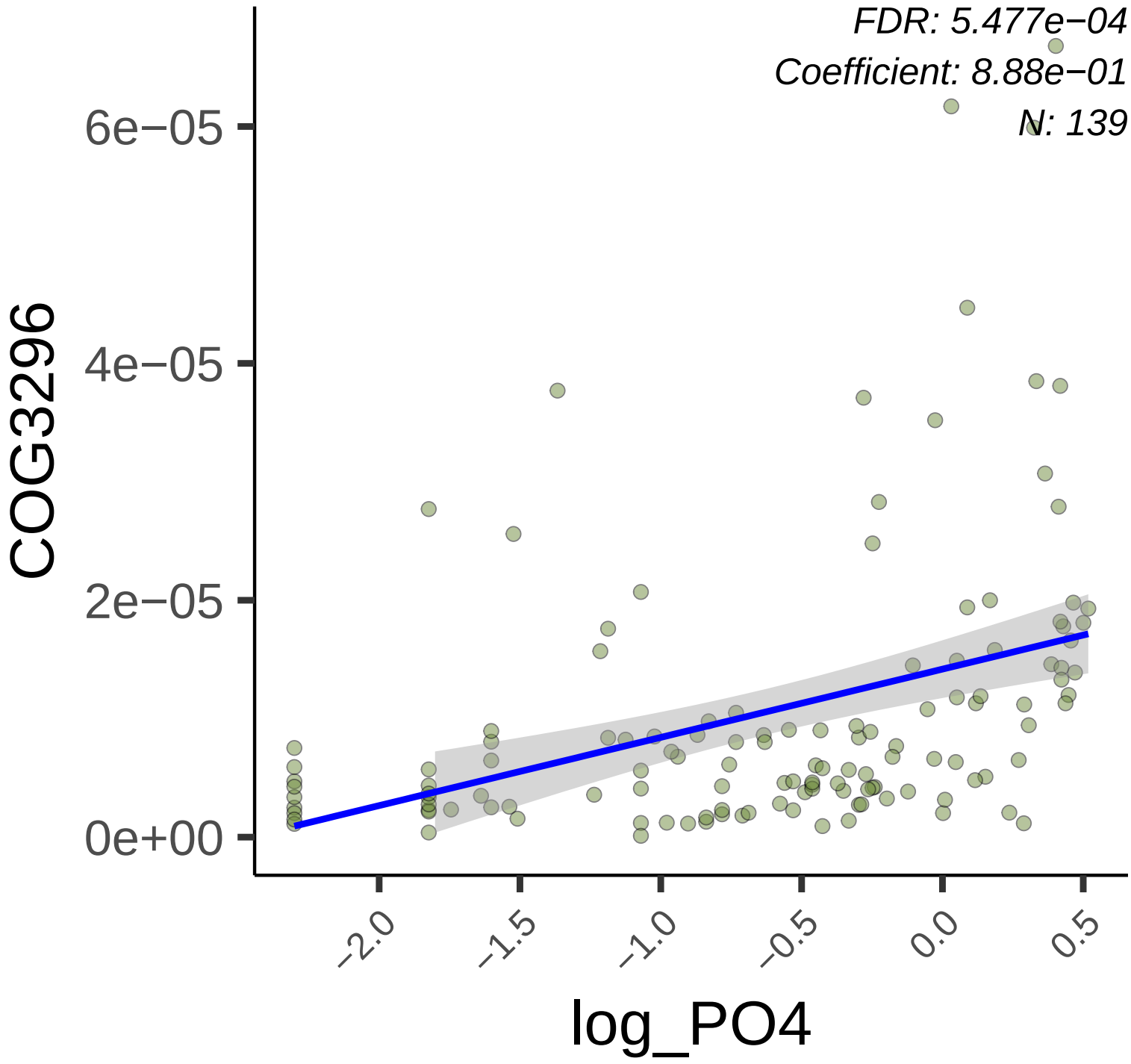
log_PO4


FDR: 5.477e−04
Coefficient: 8.88e−01
N: 139
COG3296
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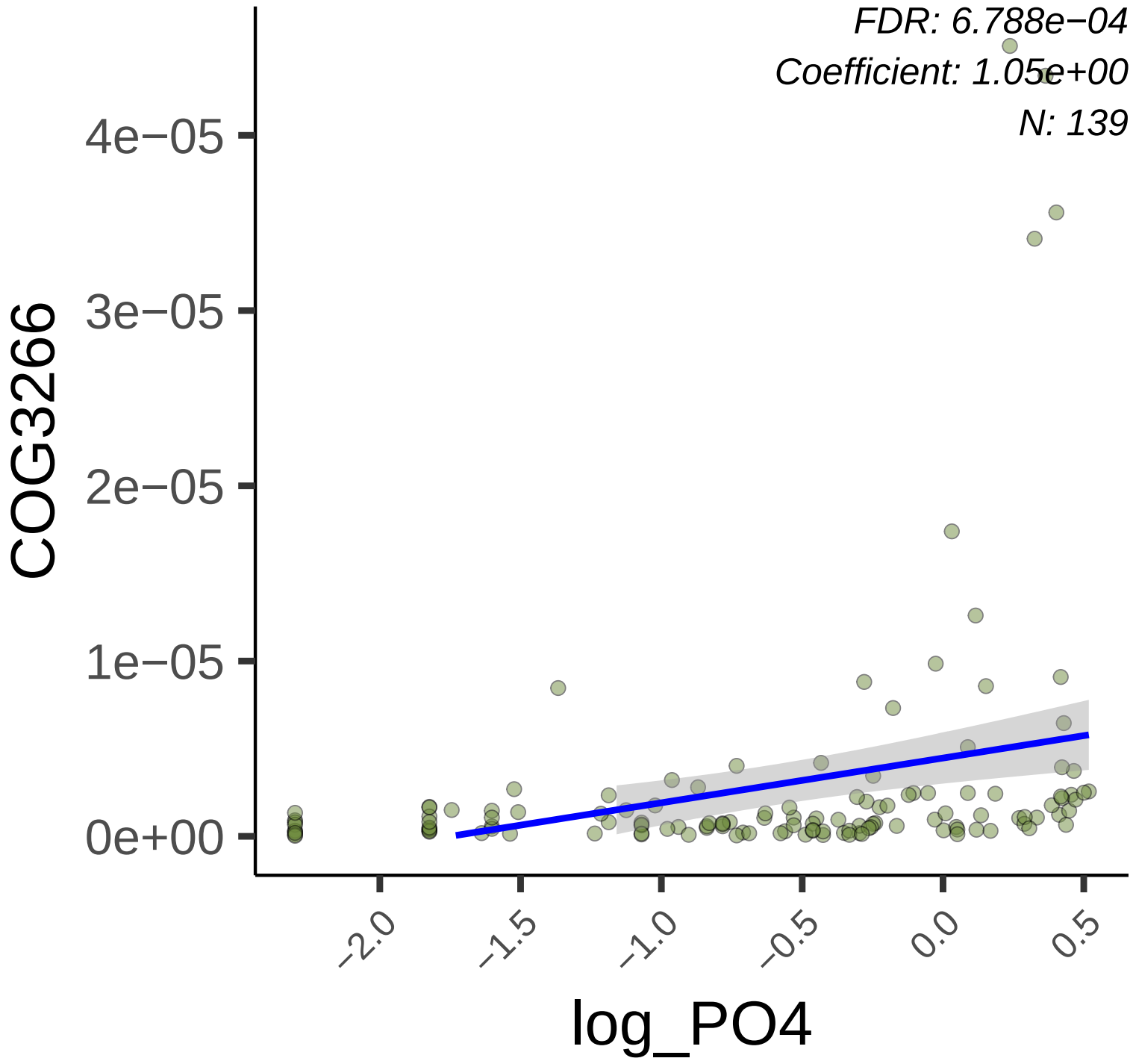
log_PO4


FDR: 6.788e−04
Coefficient: 1.05e+00
N: 139
COG3266
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3e−05
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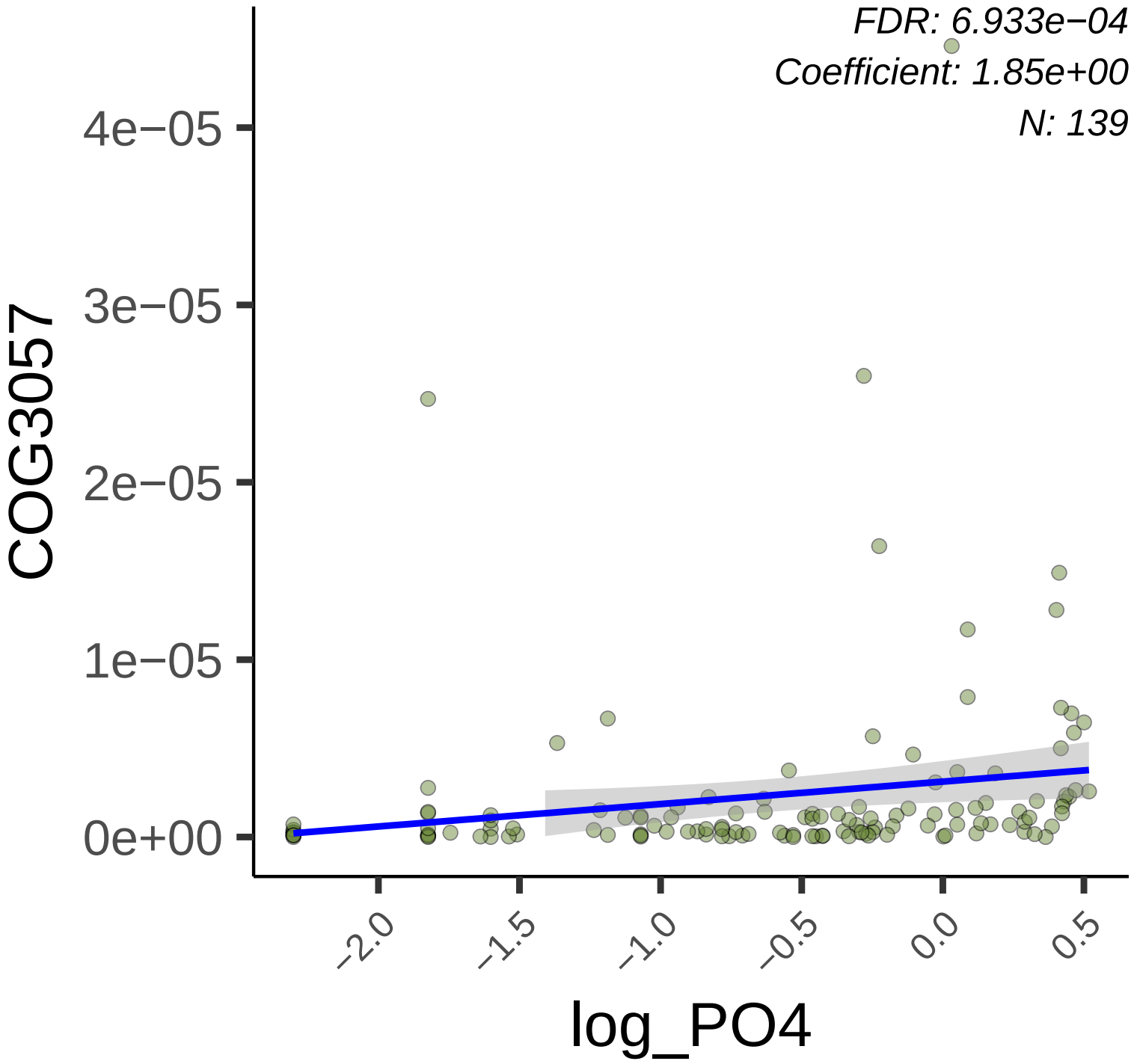
log_PO4


FDR: 6.933e−04
Coefficient: 1.85e+00
N: 139
COG3057
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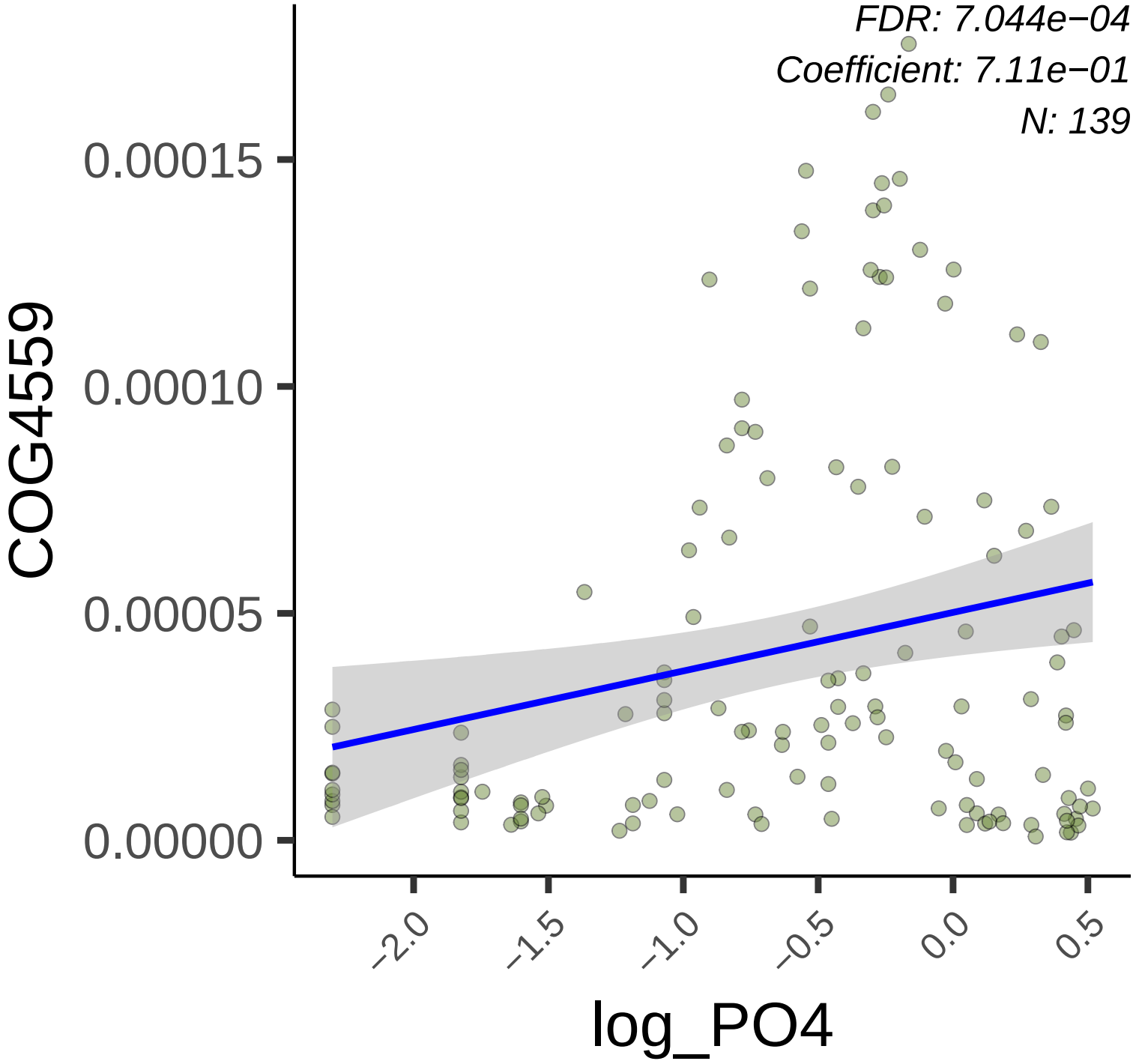
log_PO4


FDR: 7.044e−04
Coefficient: 7.11e−01
N: 139
COG4559
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0.00000
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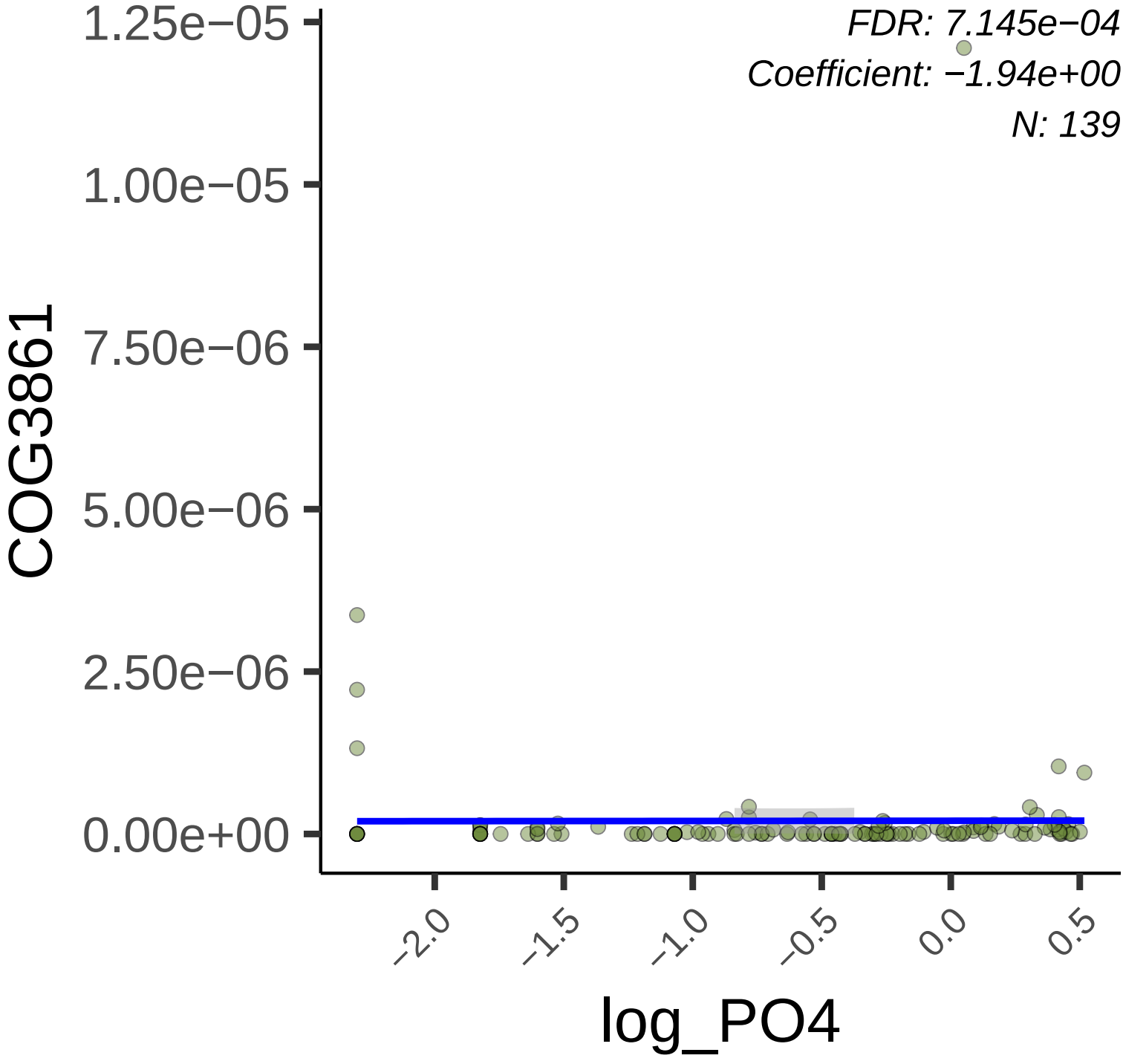
log_PO4


FDR: 7.145e−04
Coefficient: −1.94e+00
N: 139
1.25e−05
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7.50e−06
5.00e−06
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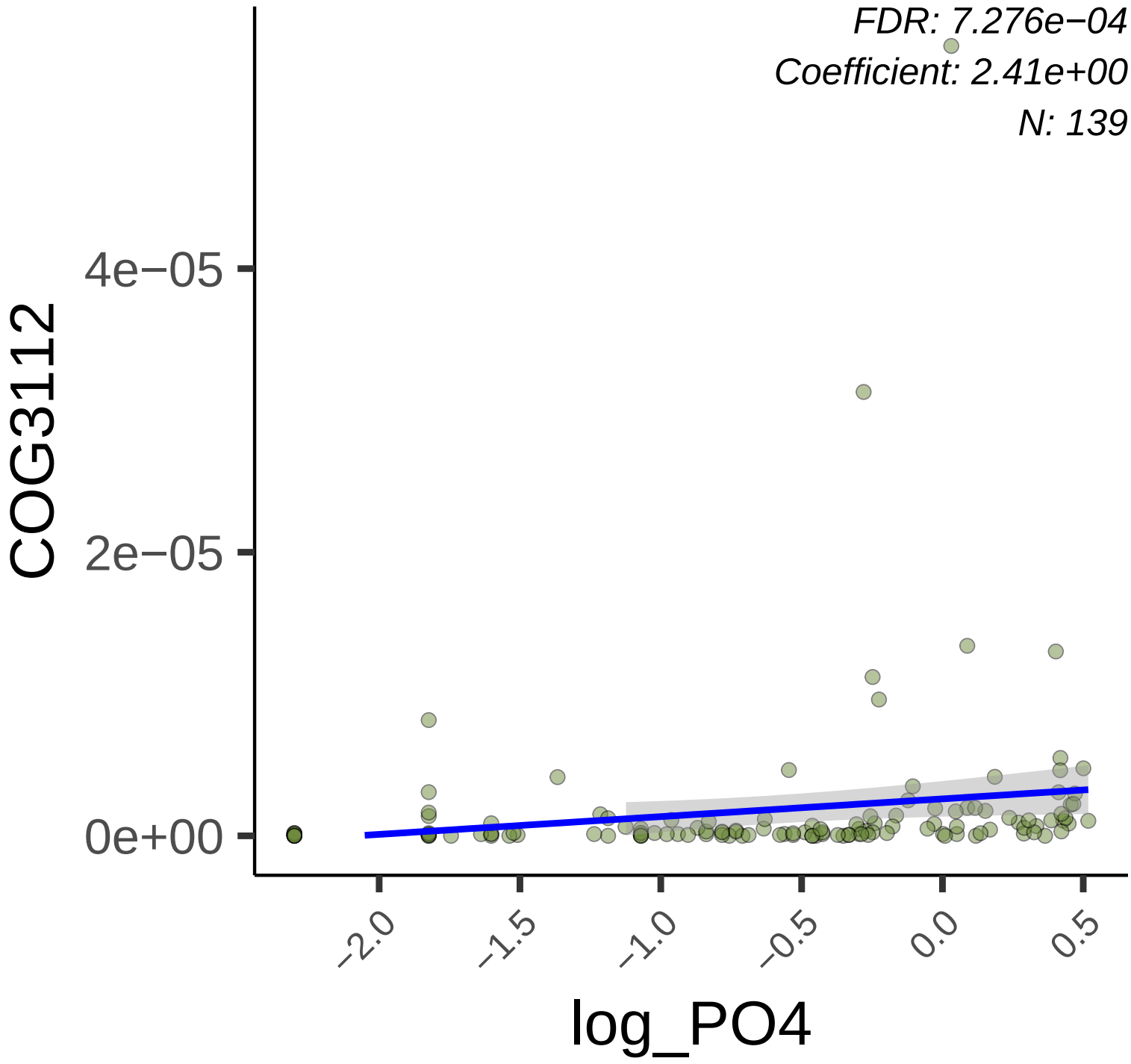
log_PO4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Coefficient: 2.41e+00
N: 139
COG3112
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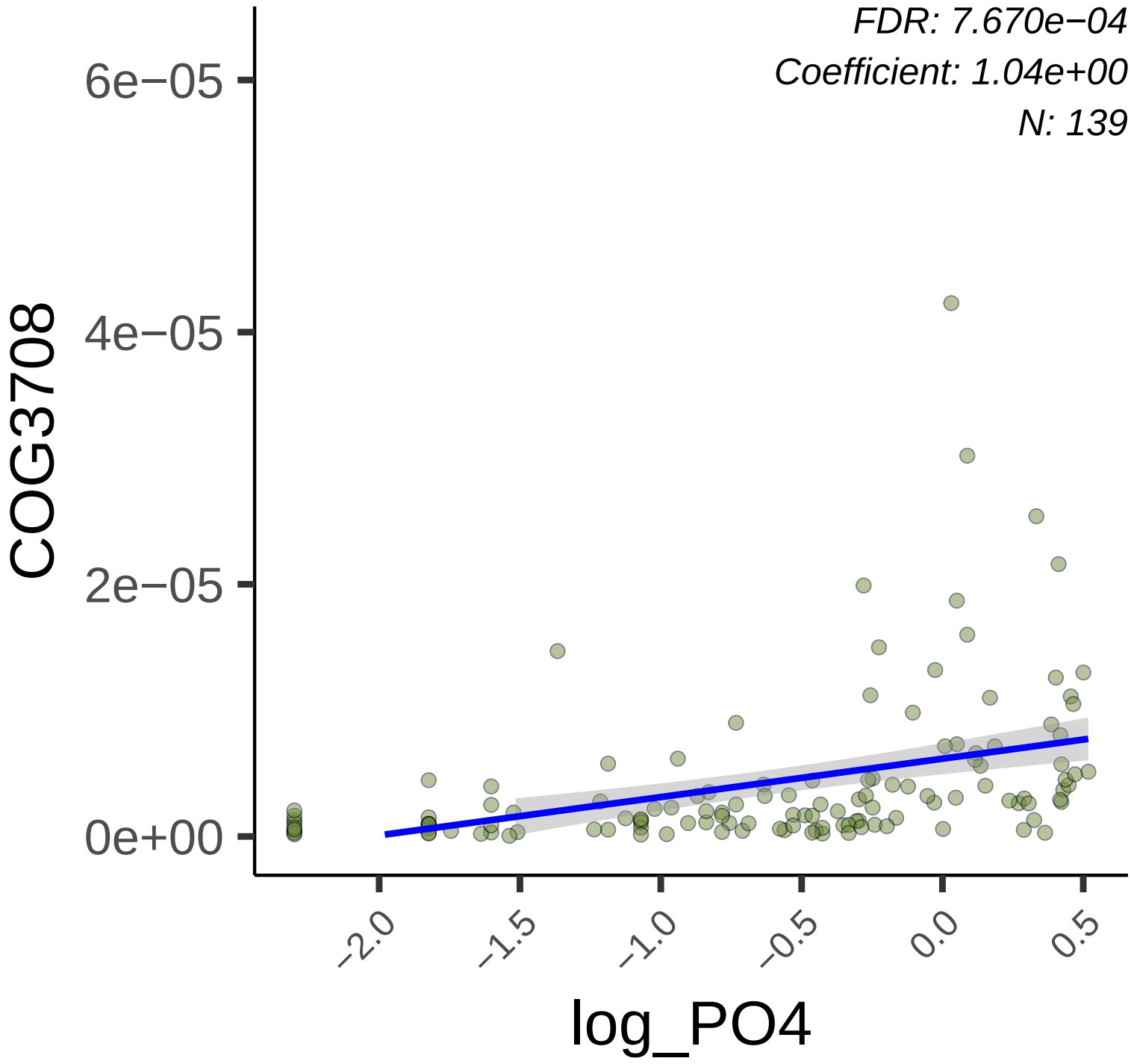
log_PO4


FDR: 7.670e−04
Coefficient: 1.04e+00
N: 139
COG3708
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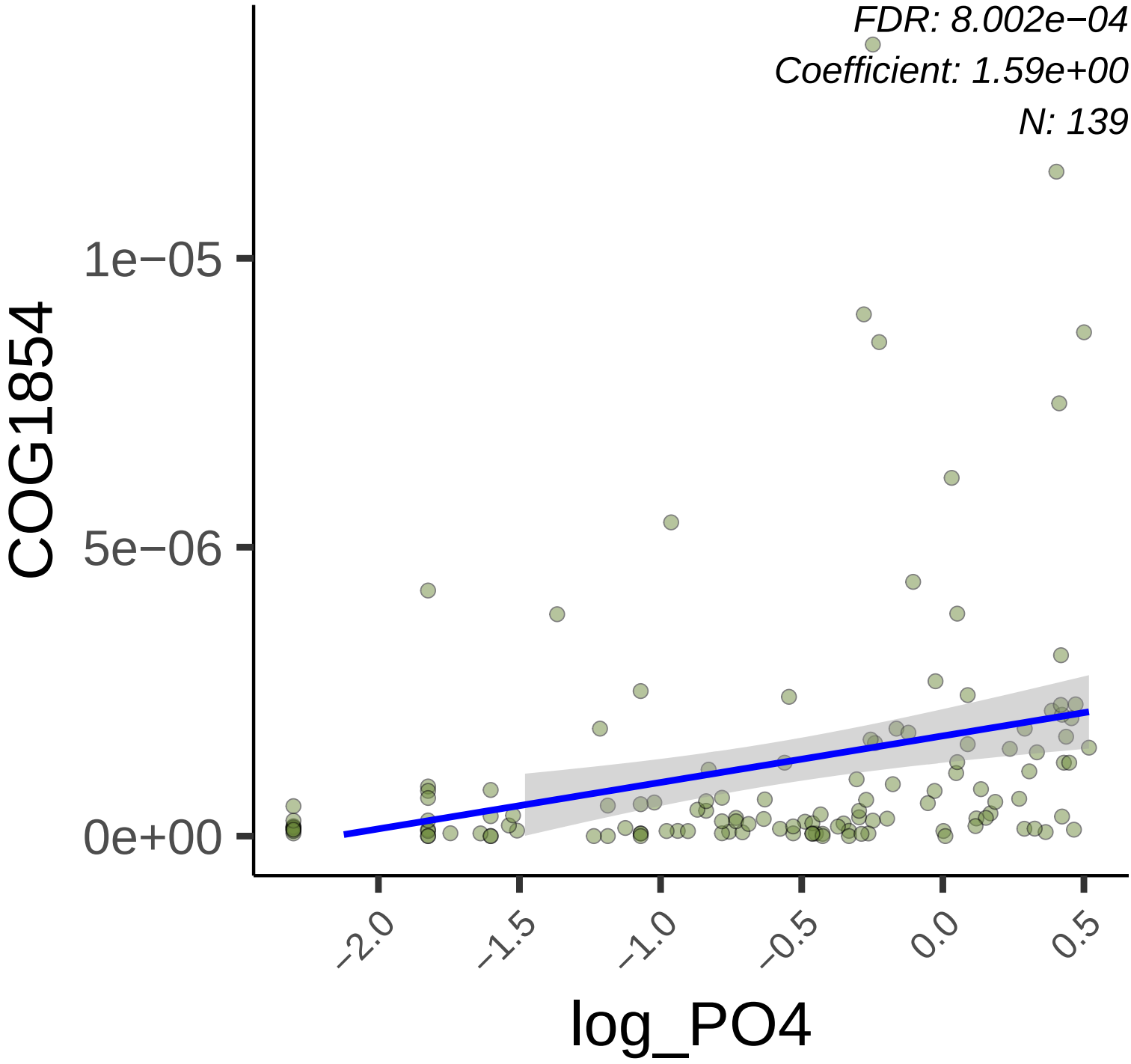
log_PO4


FDR: 8.002e−04
Coefficient: 1.59e+00
N: 139
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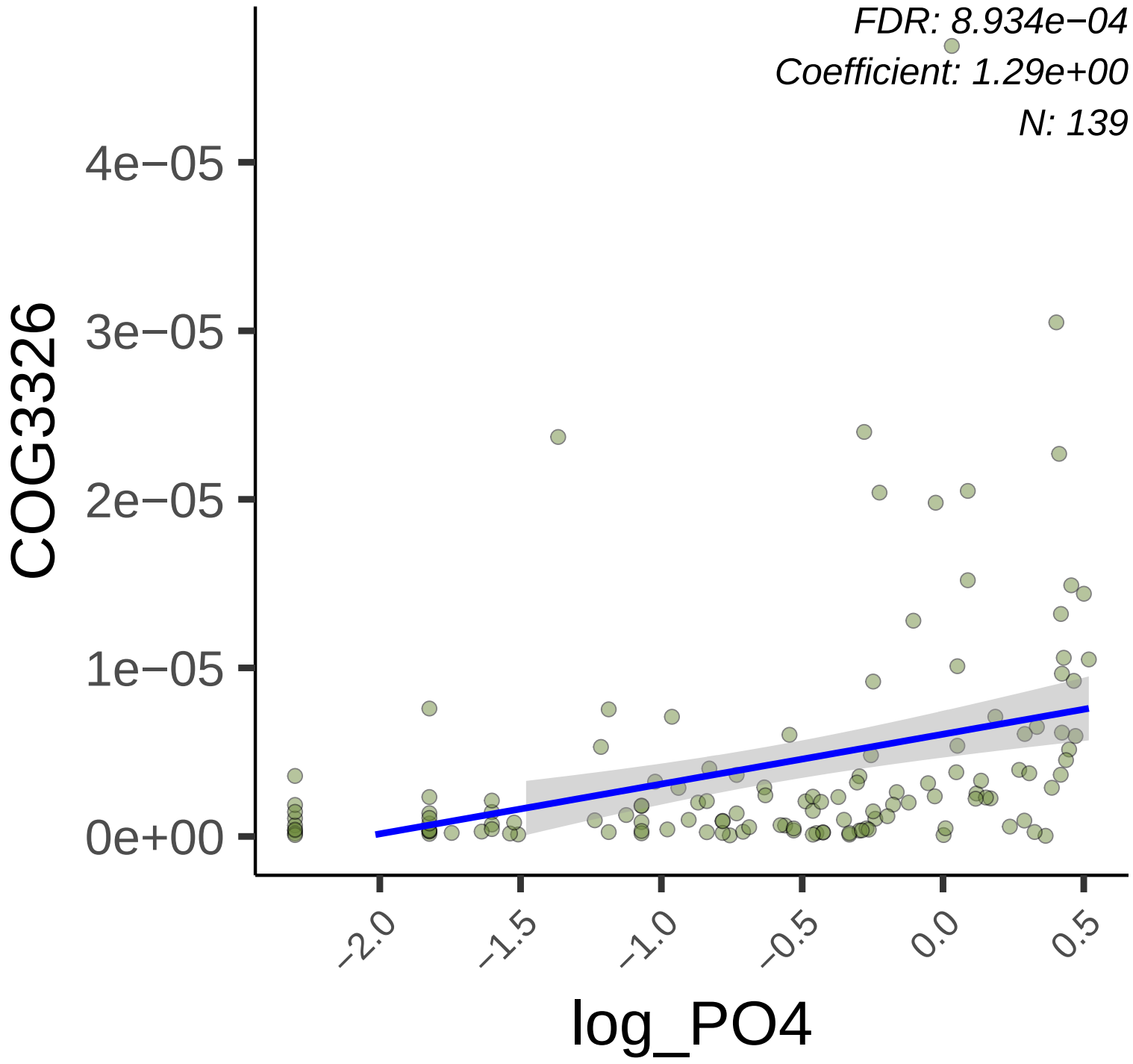
log_PO4


FDR: 8.934e−04
Coefficient: 1.29e+00
N: 139
COG3326
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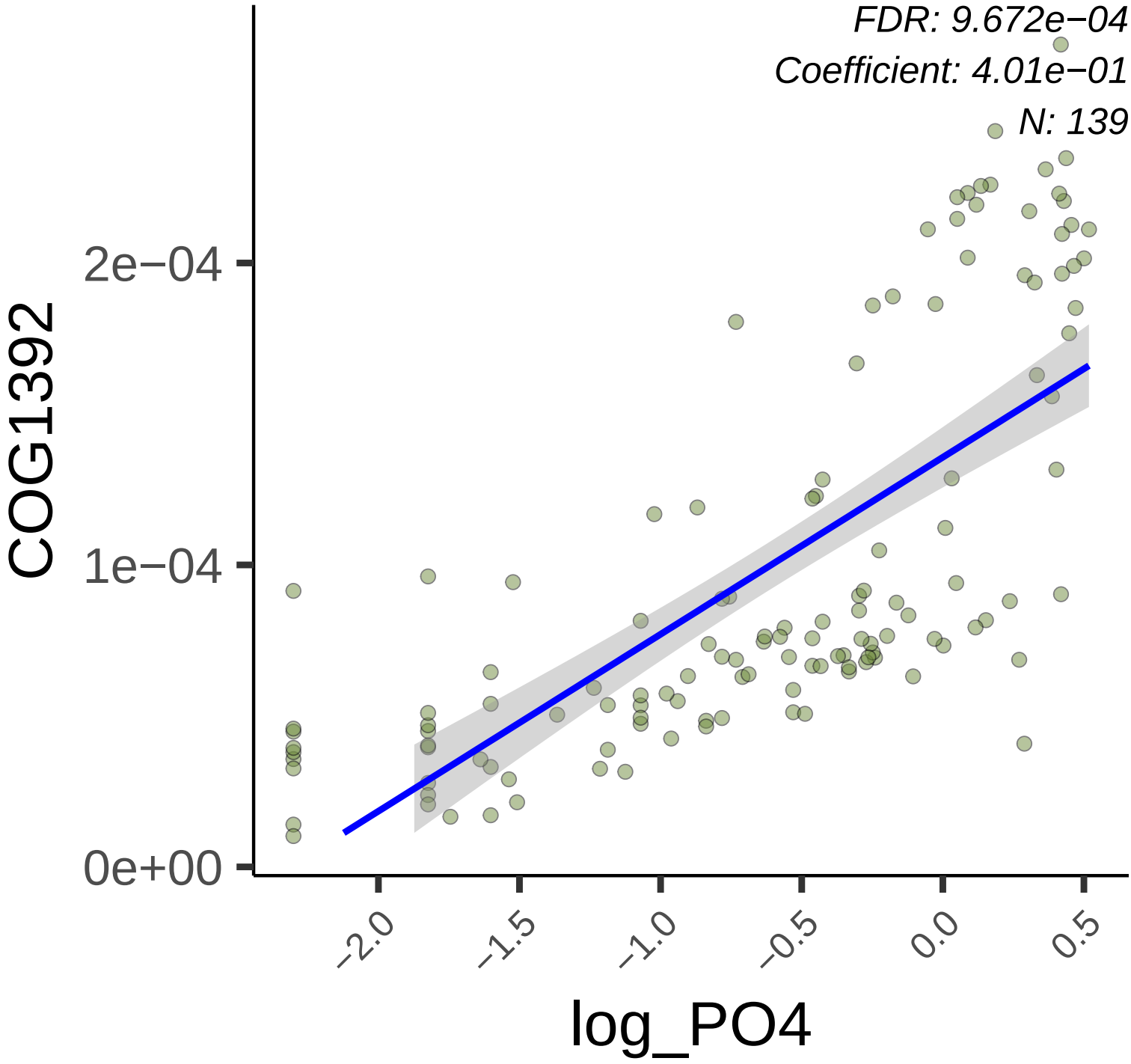
log_PO4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Coefficient: 4.01e−01
N: 139
COG1392
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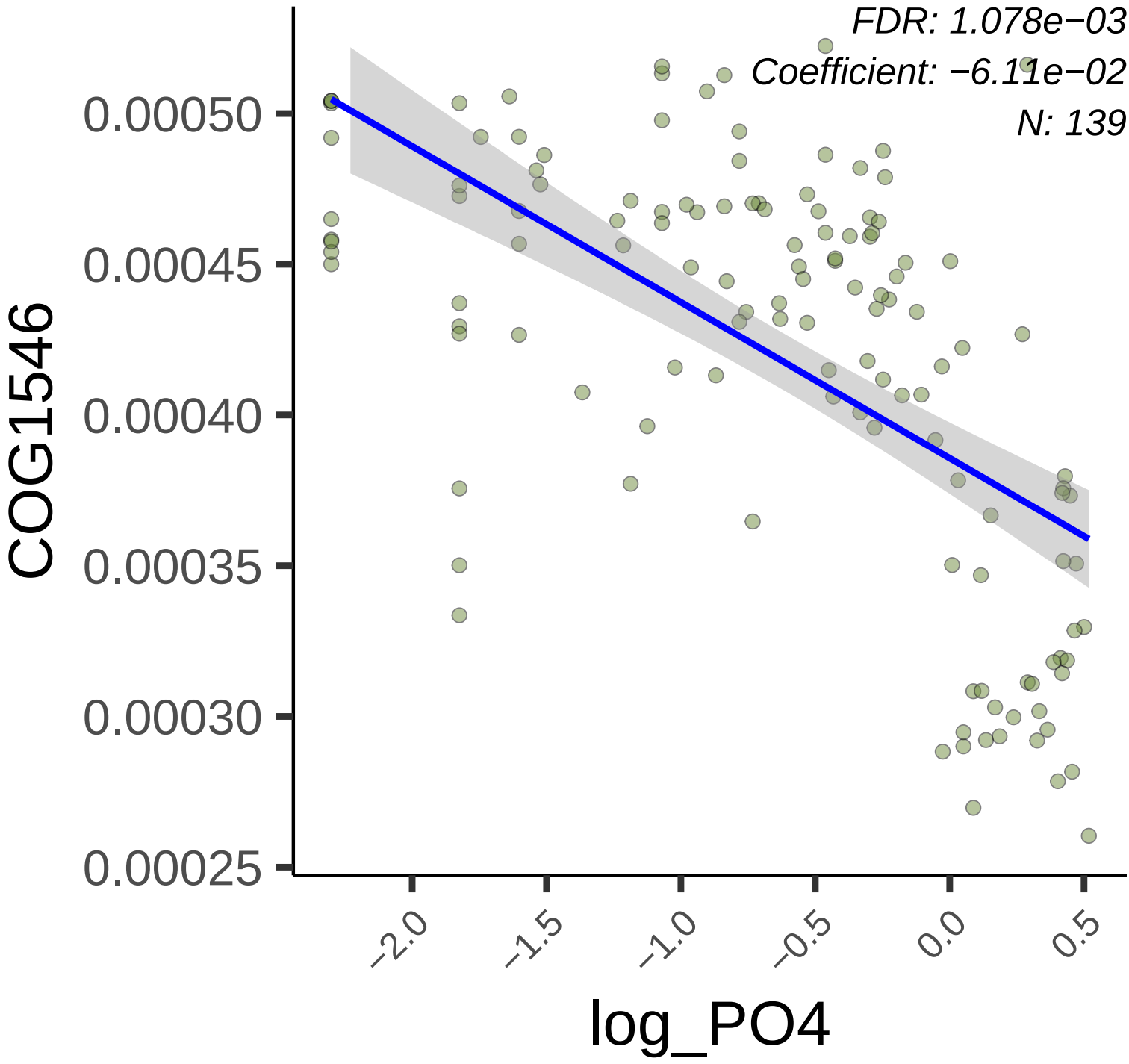
log_PO4


FDR: 1.078e−03
Coefficient: −6.11e−02
N: 139
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0.00040
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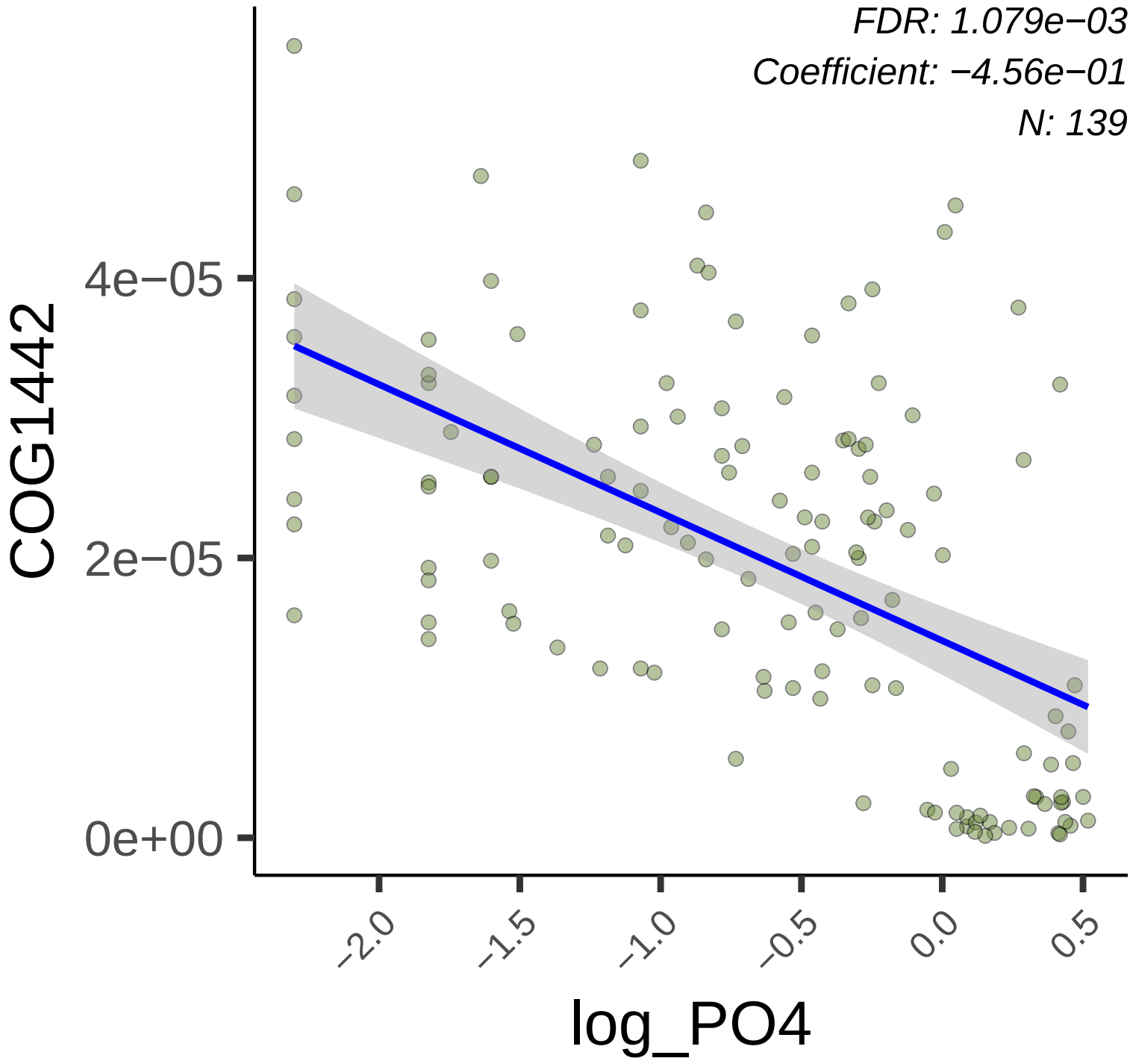
log_PO4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Coefficient: −4.56e−01
N: 139
COG1442
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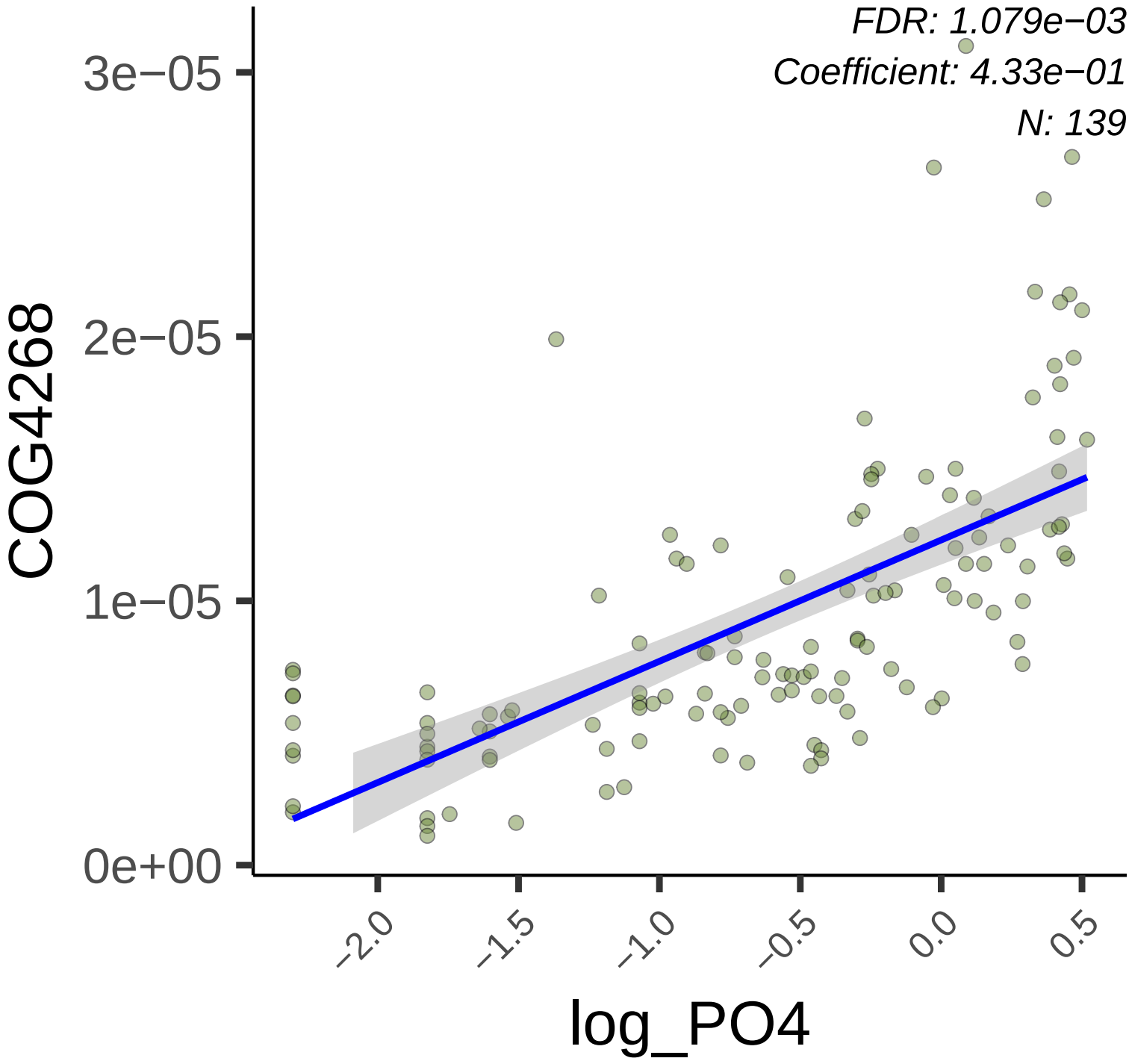
log_PO4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Coefficient: 4.33e−01
N: 139
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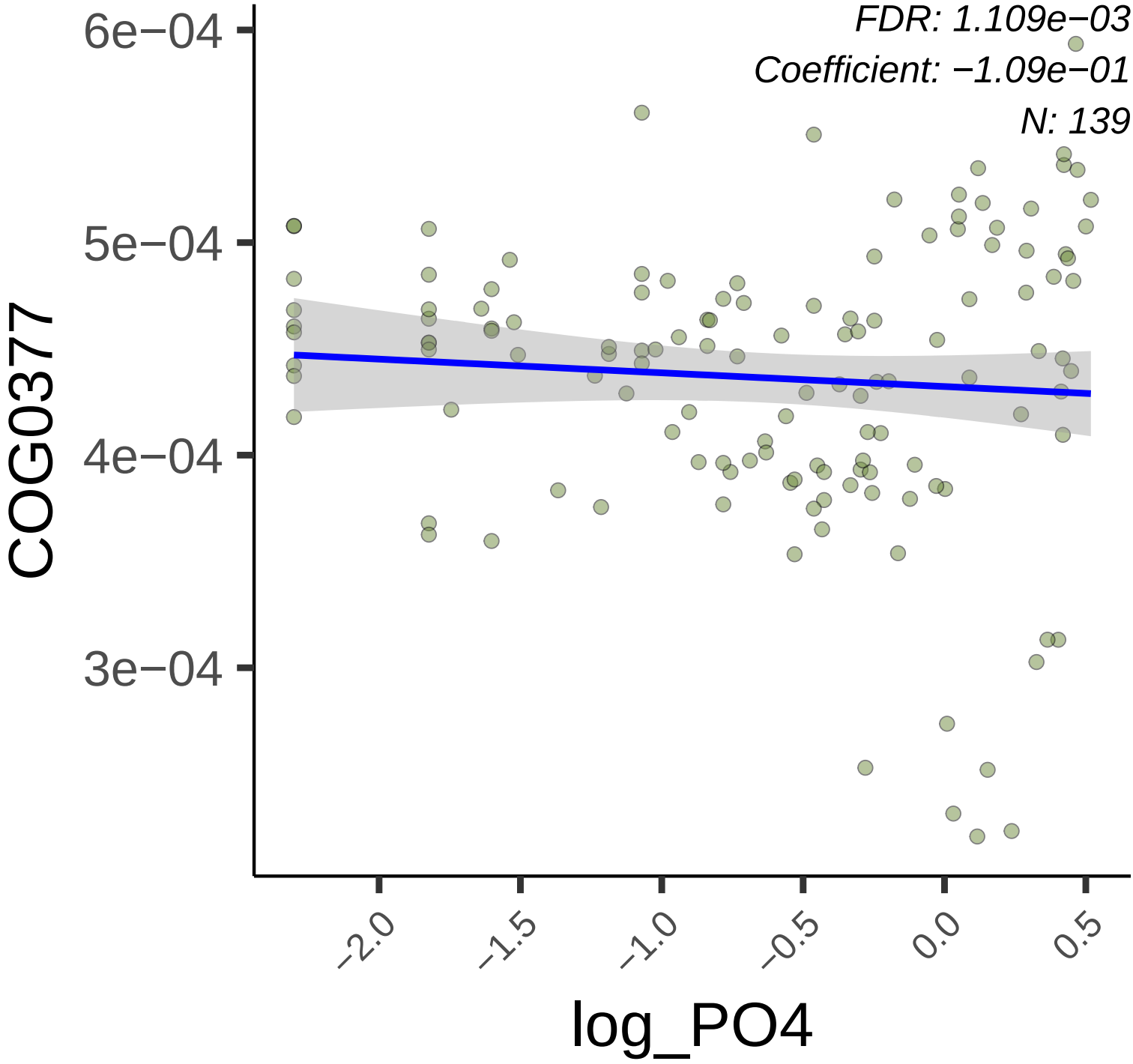
log_PO4


FDR: 1.109e−03
Coefficient: −1.09e−01
N: 139
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COG0377
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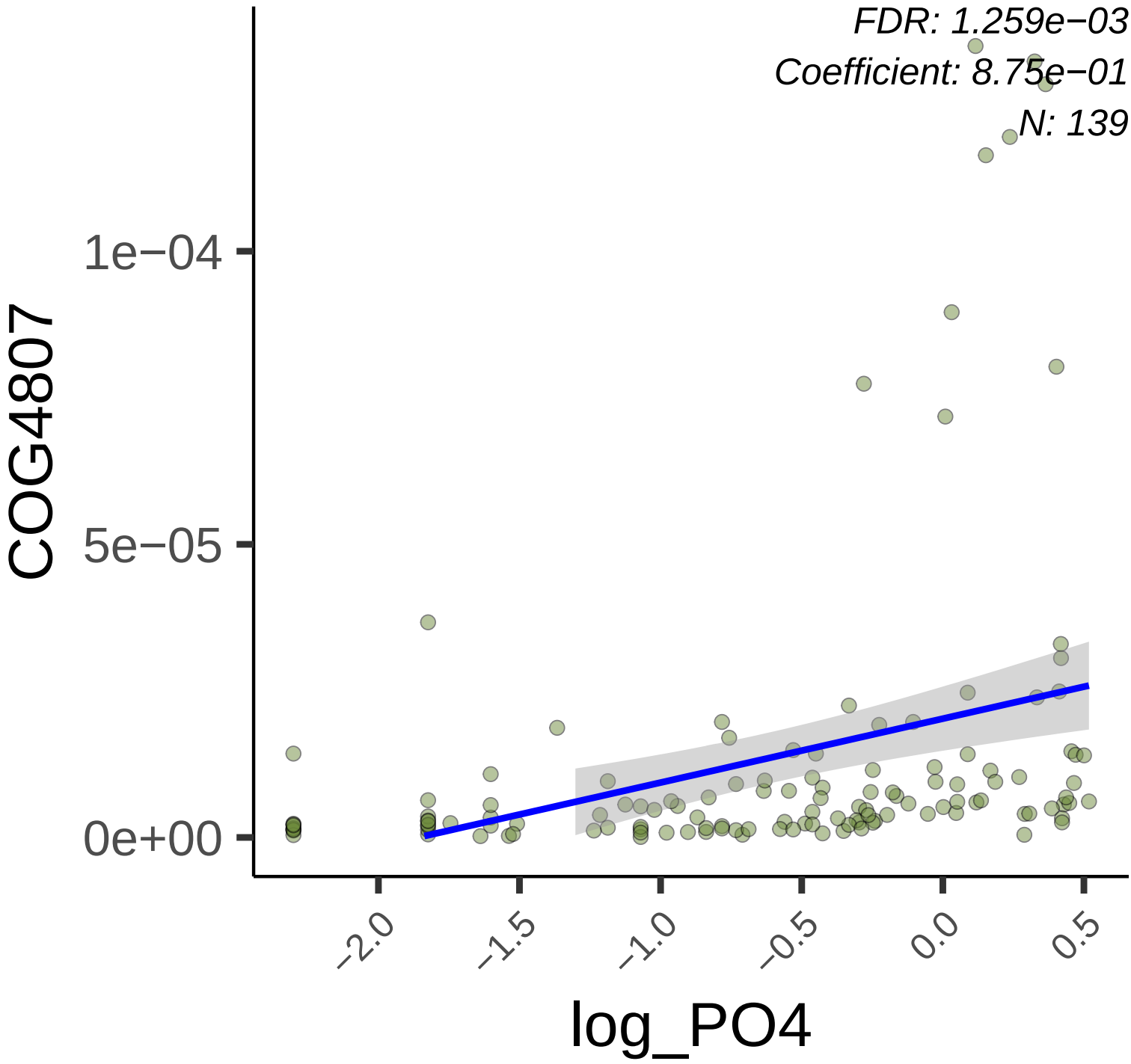
log_PO4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Coefficient: 8.75e−01
N: 139
COG4807
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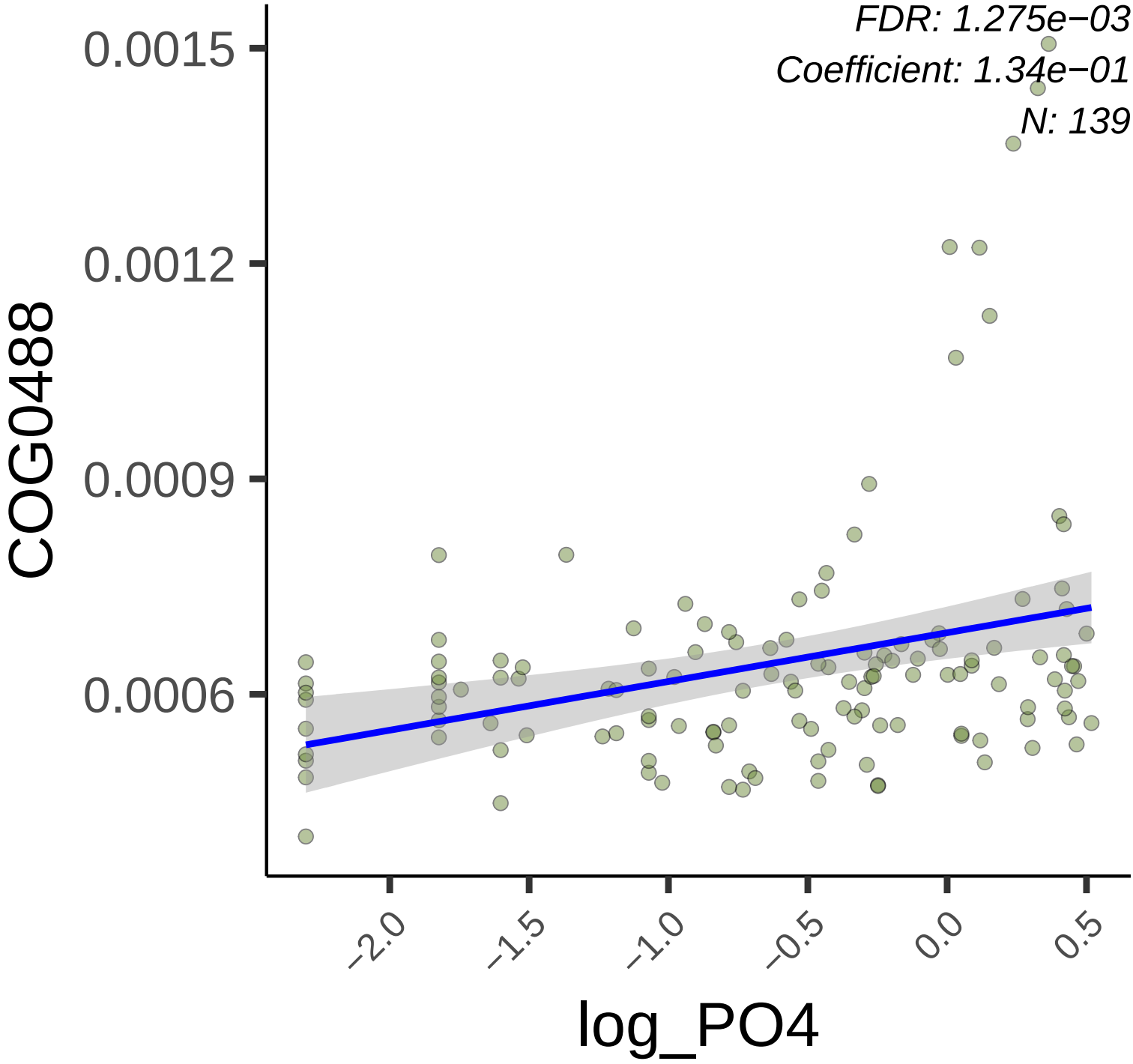
log_PO4


FDR: 1.275e−03
Coefficient: 1.34e−01
N: 139
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COG0488
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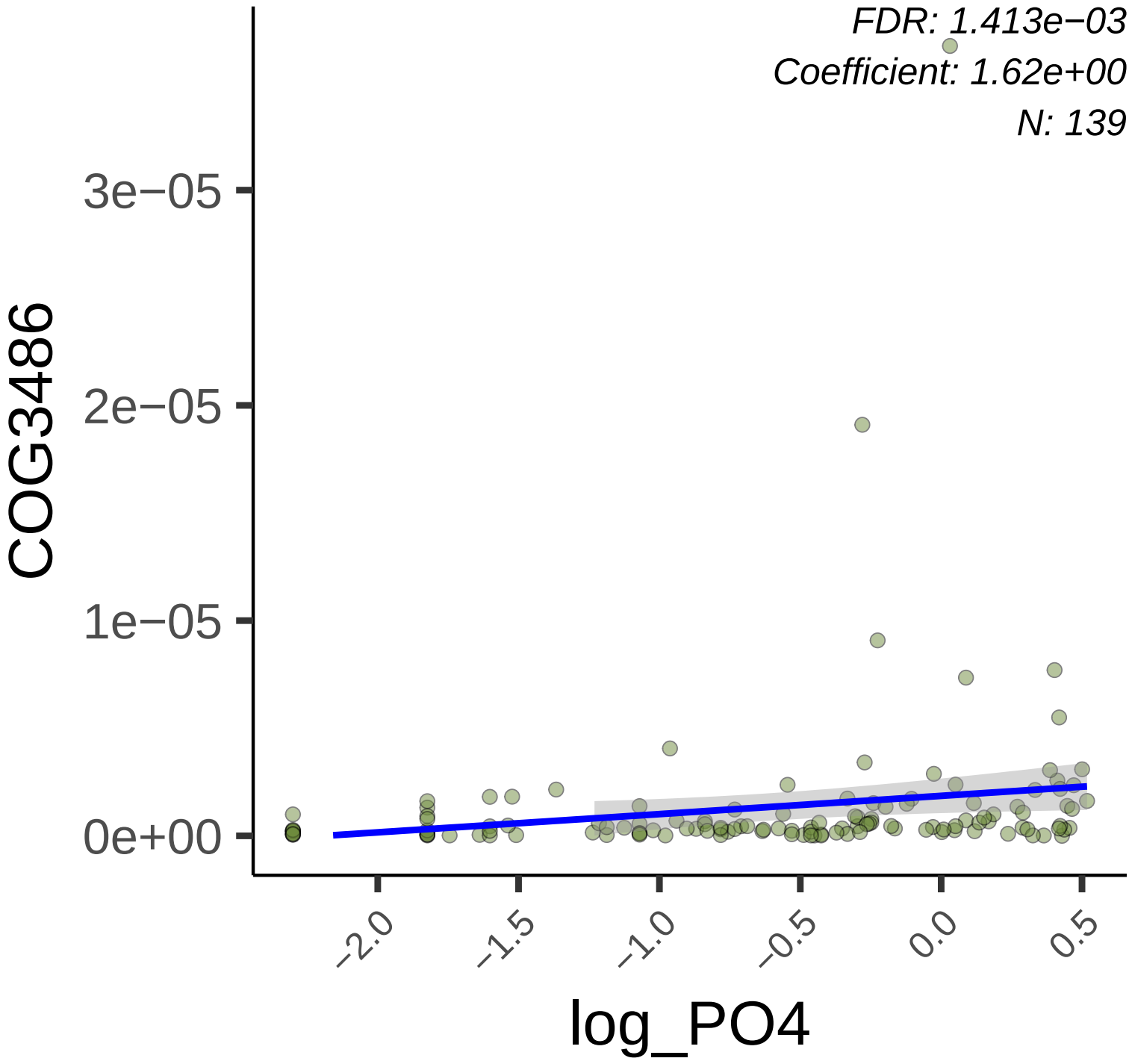
log_PO4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Coefficient: 1.62e+00
N: 139
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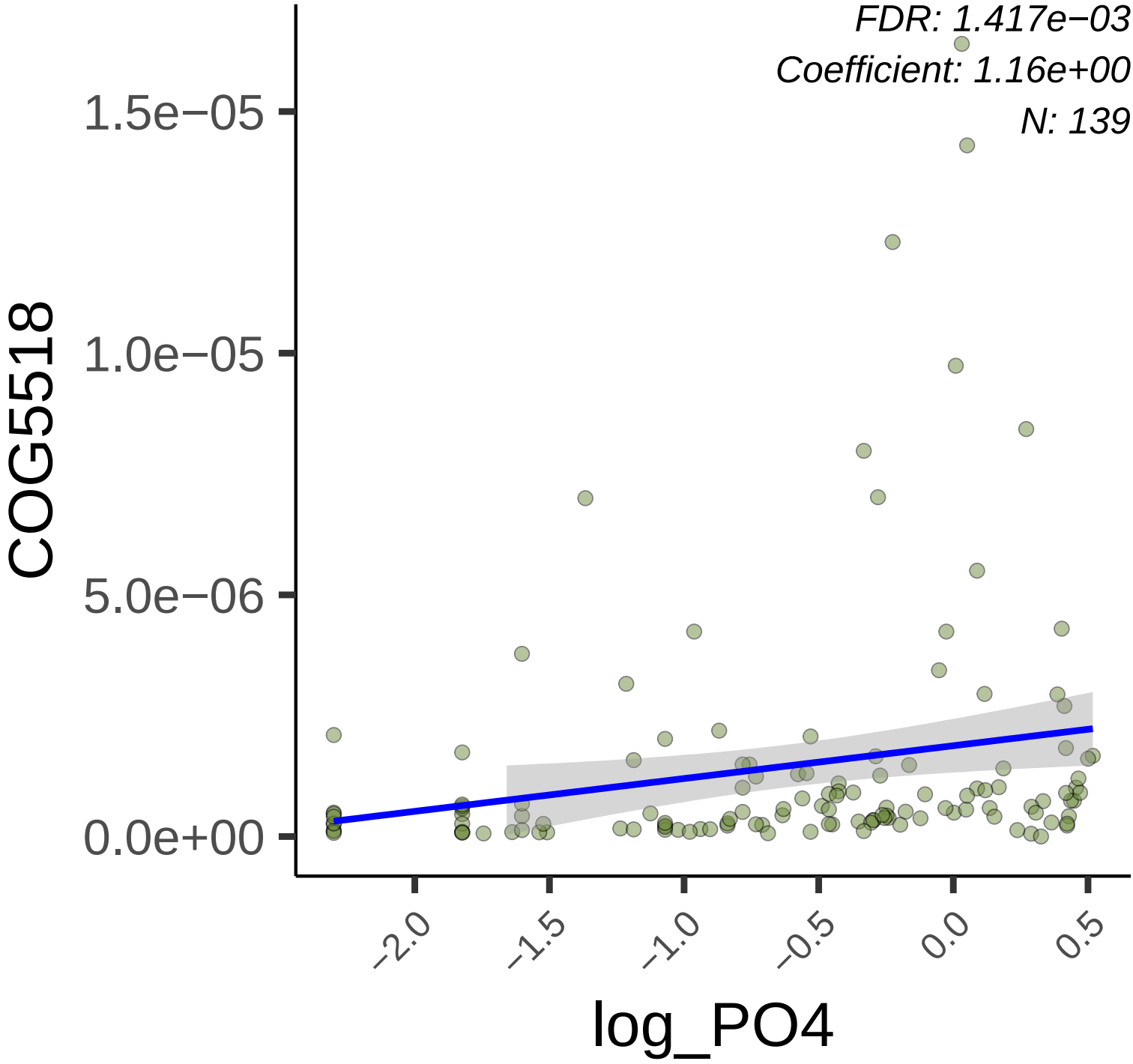
log_PO4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Coefficient: 1.16e+00
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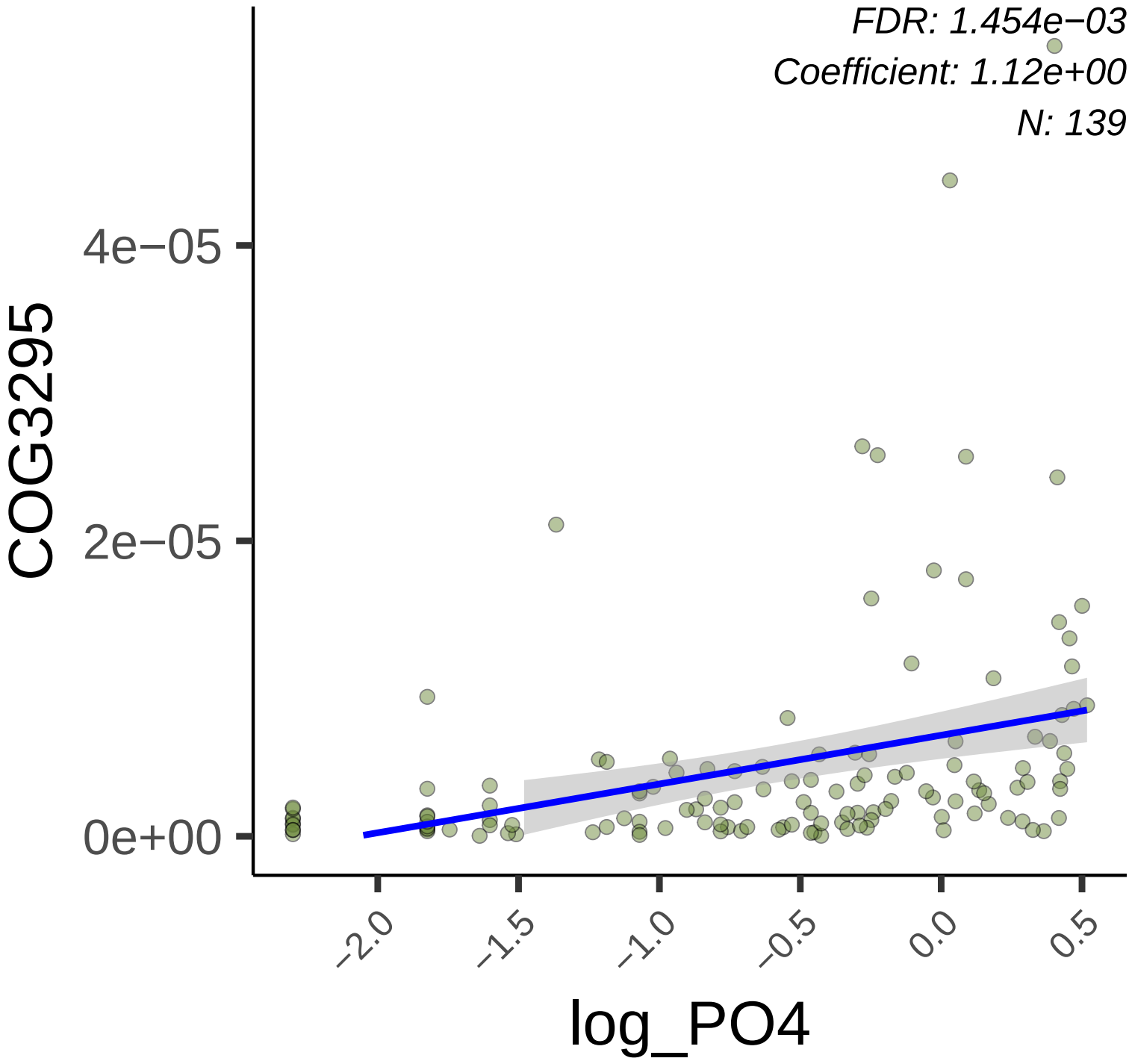
log_PO4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Coefficient: 1.12e+00
N: 139
COG3295
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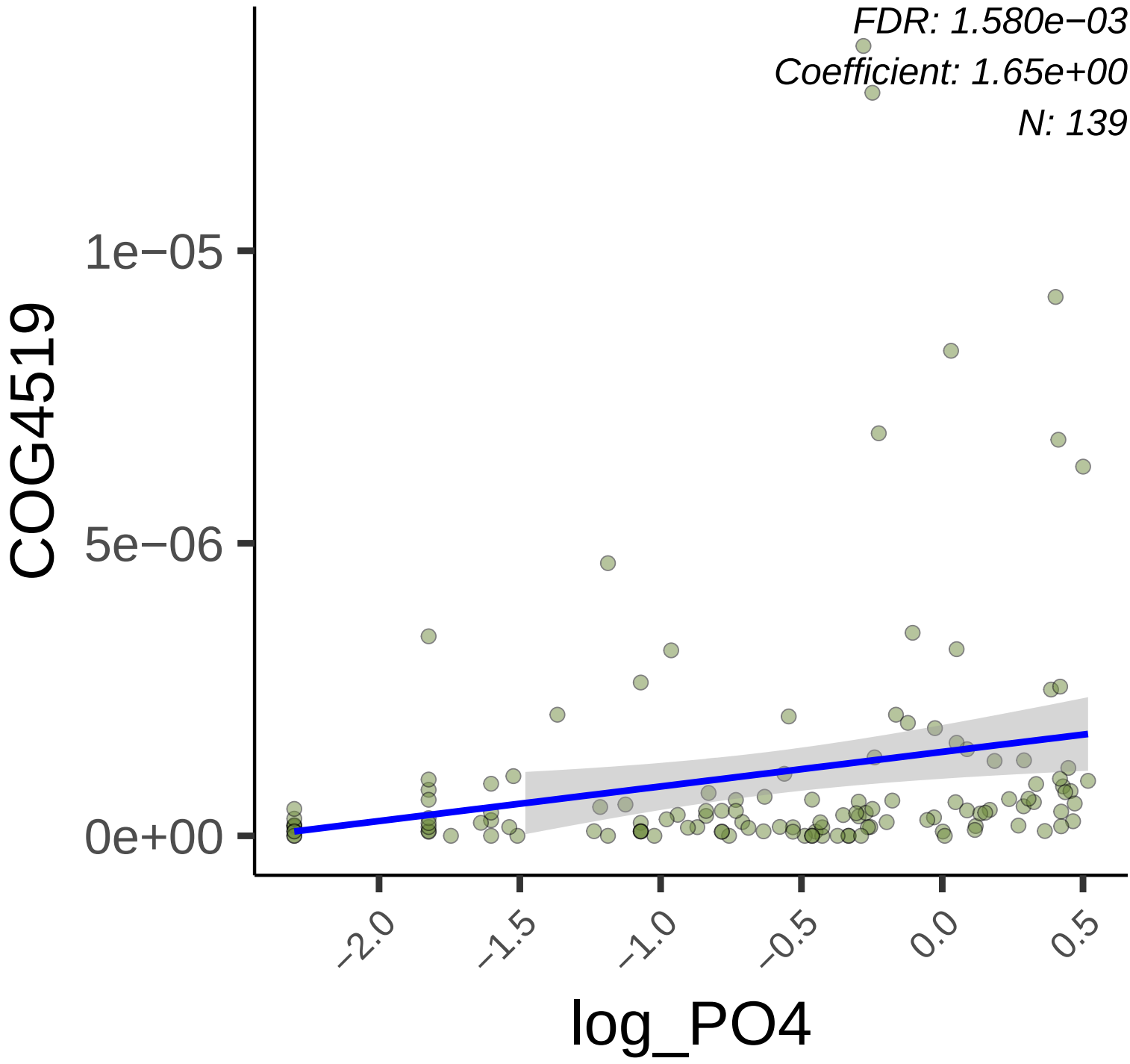
log_PO4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Coefficient: 1.65e+00
N: 139
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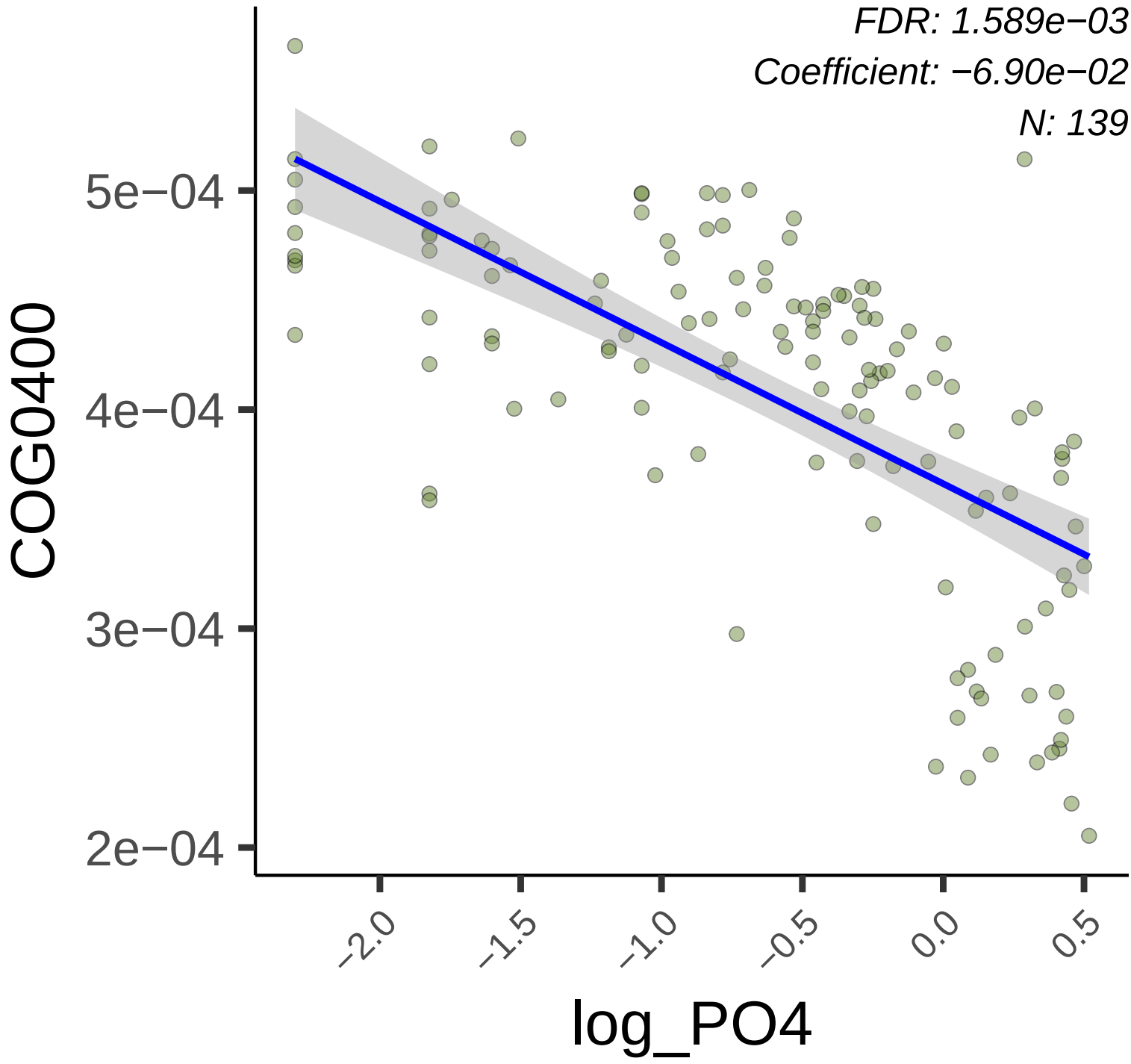
log_PO4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Coefficient: −6.90e−02
N: 139
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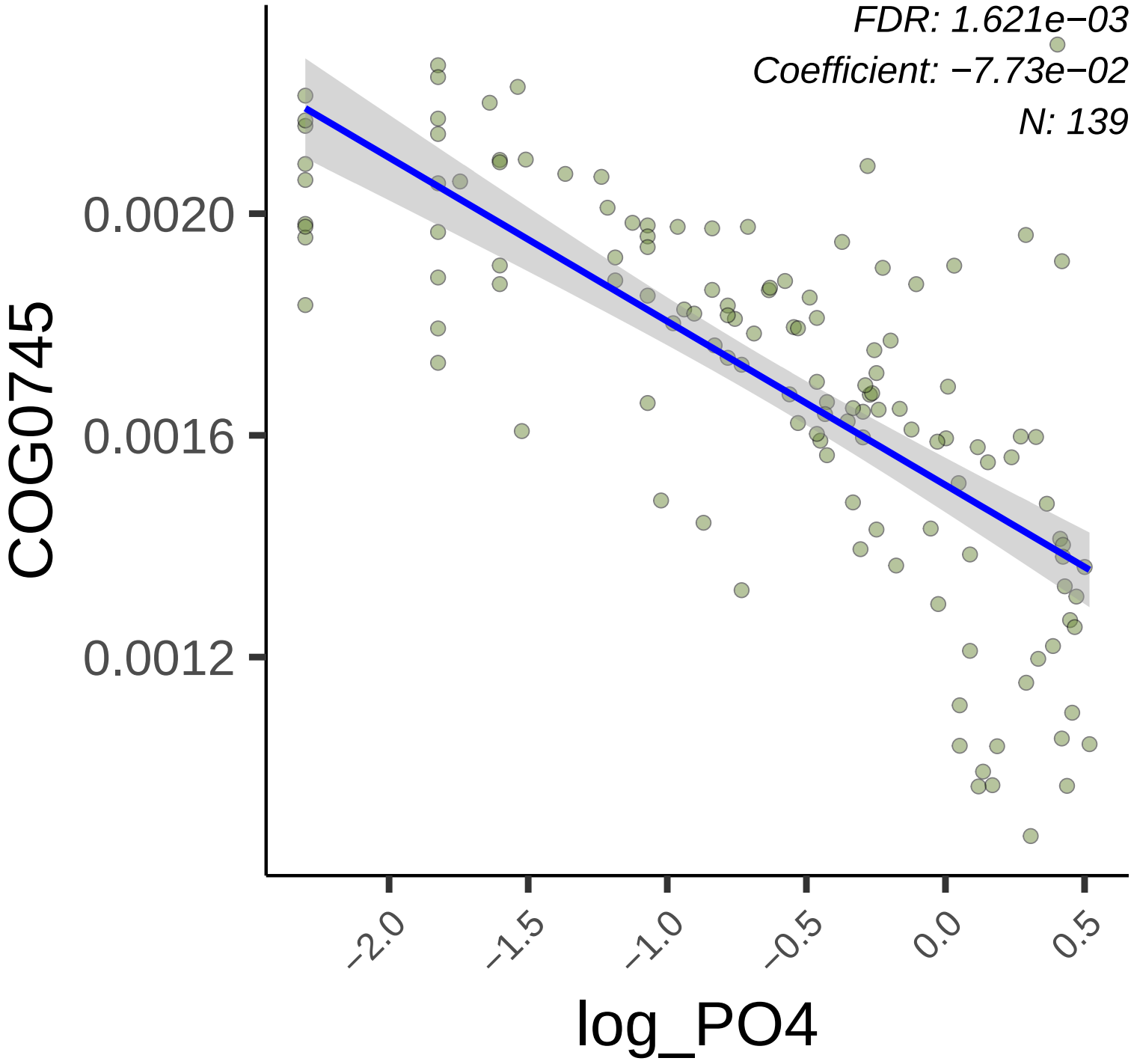
log_PO4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Coefficient: −7.73e−02
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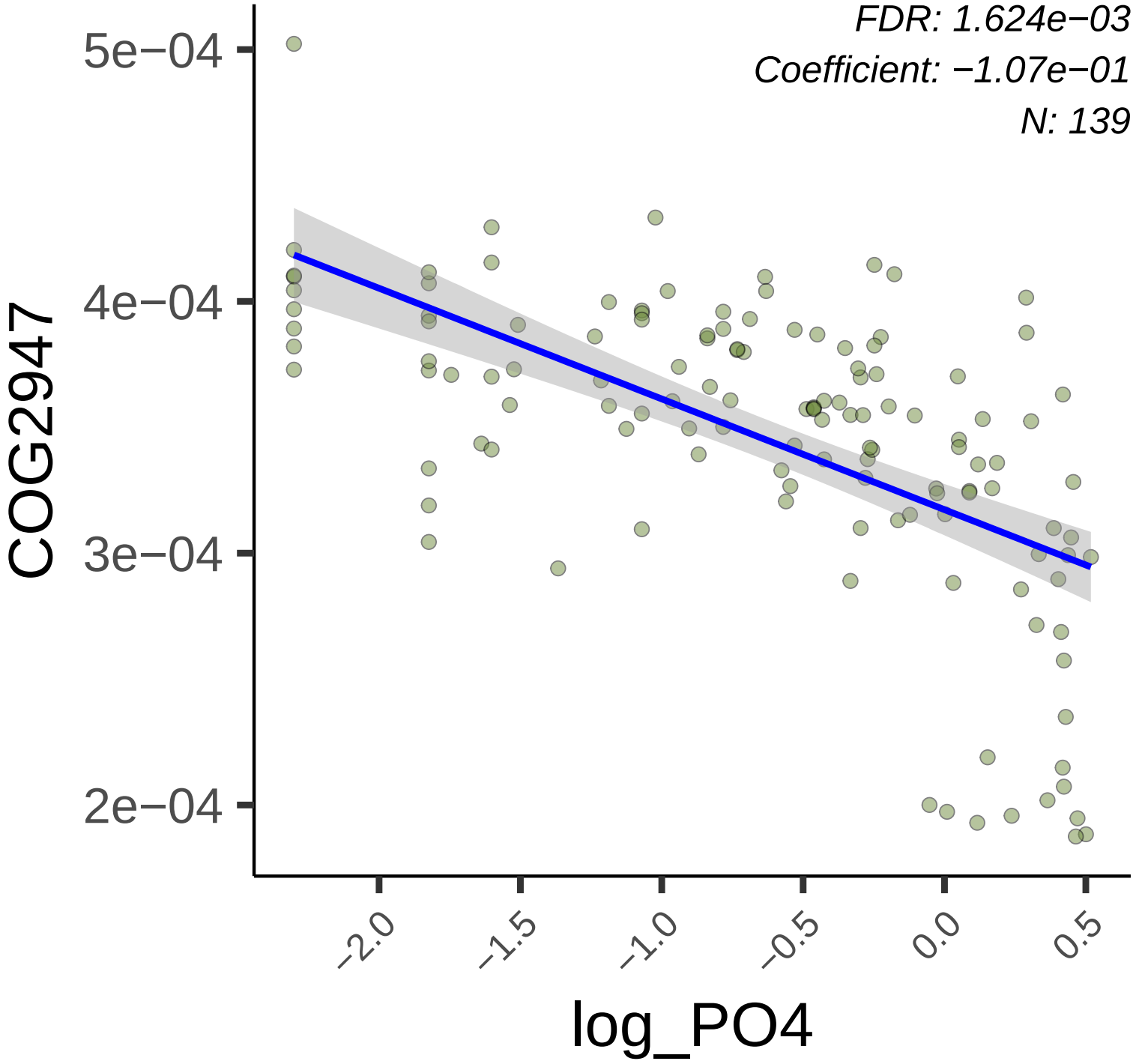
log_PO4


FDR: 1.624e−03
Coefficient: −1.07e−01
N: 139
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COG2947
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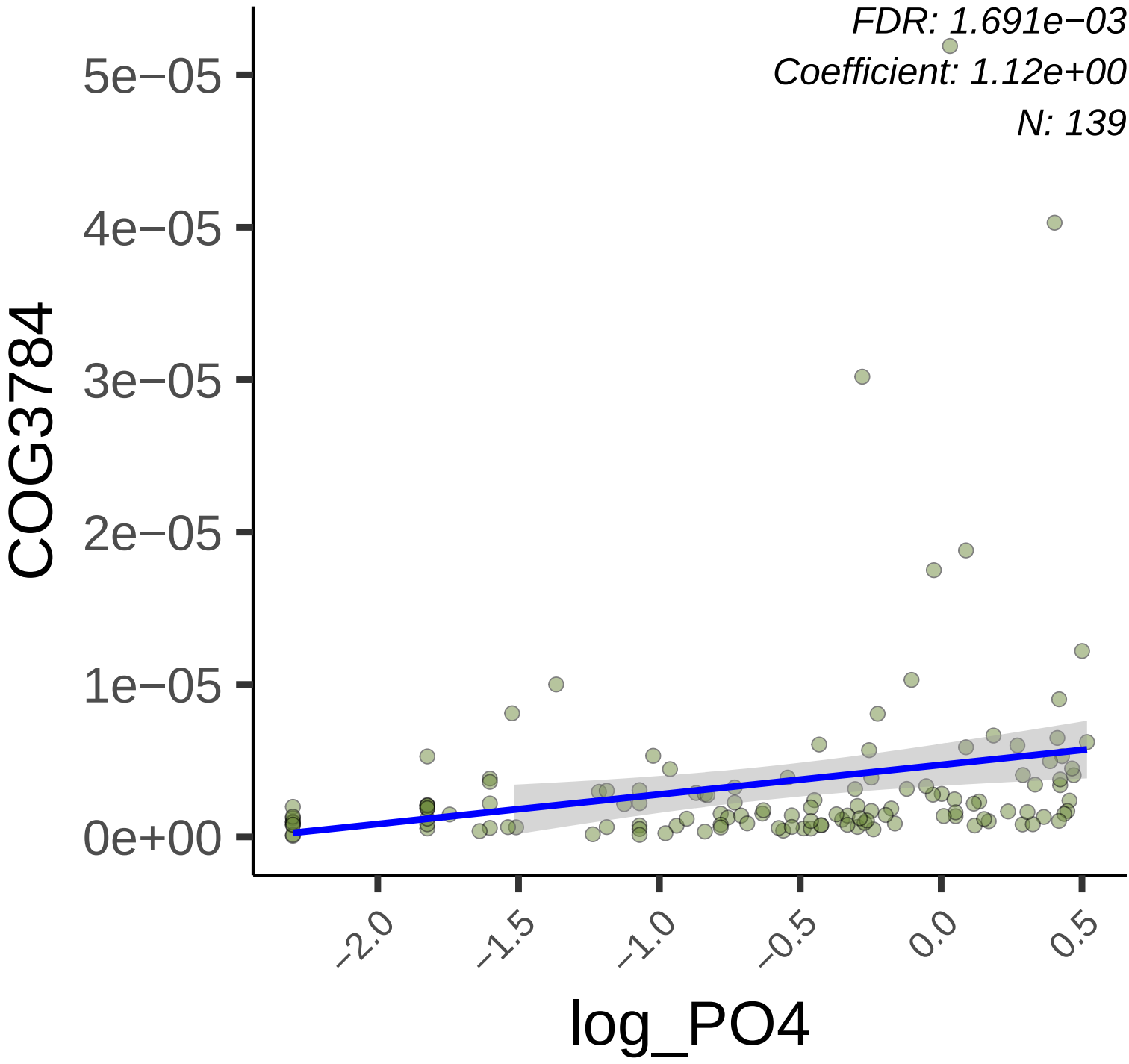
log_PO4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Coefficient: 1.12e+00
N: 139
COG3784
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3e−05
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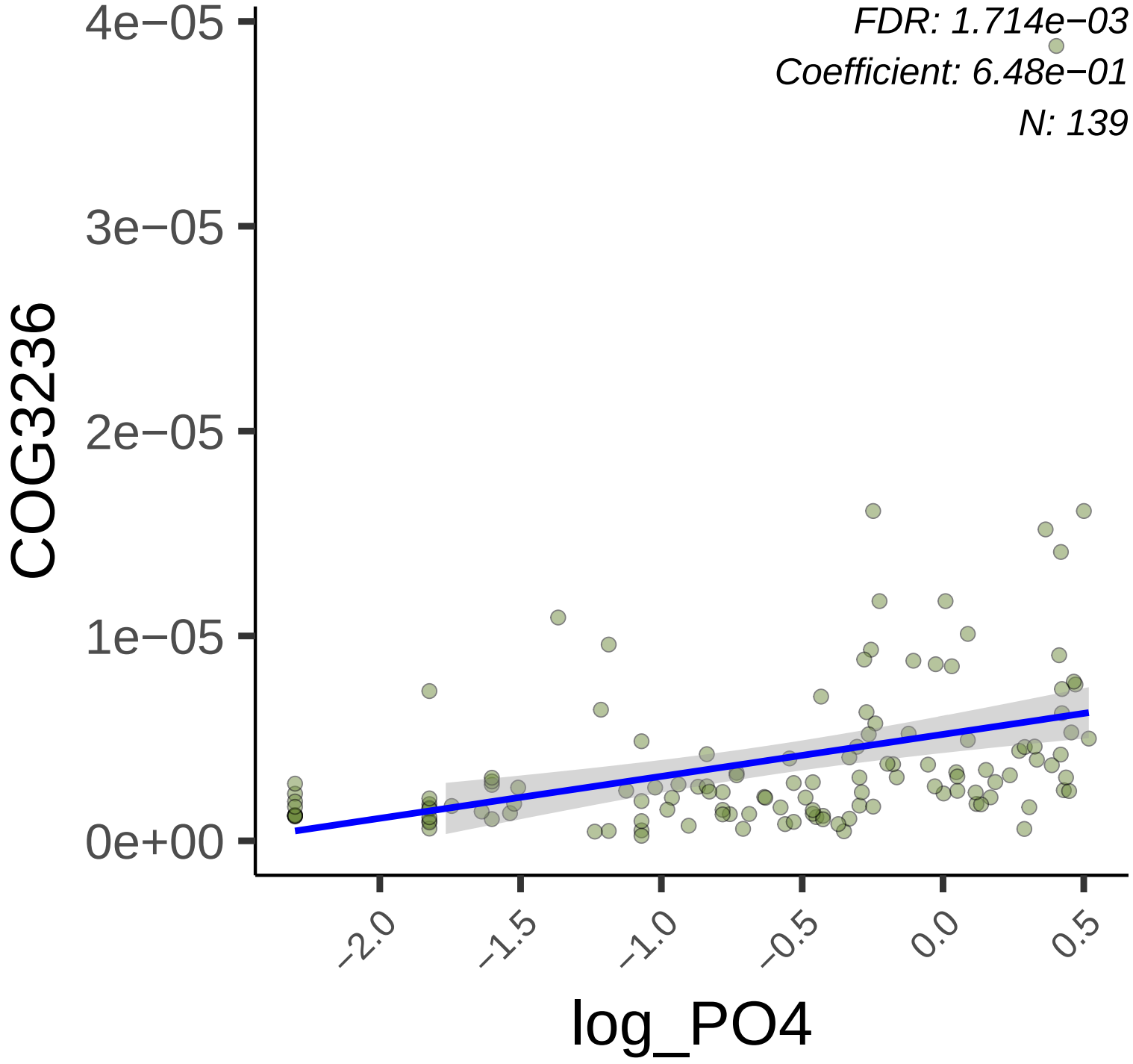
log_PO4


FDR: 1.714e−03
Coefficient: 6.48e−01
N: 139
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3e−05
2e−05
1e−05
0e+00
COG3236
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−1.5
−1.0
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0.0
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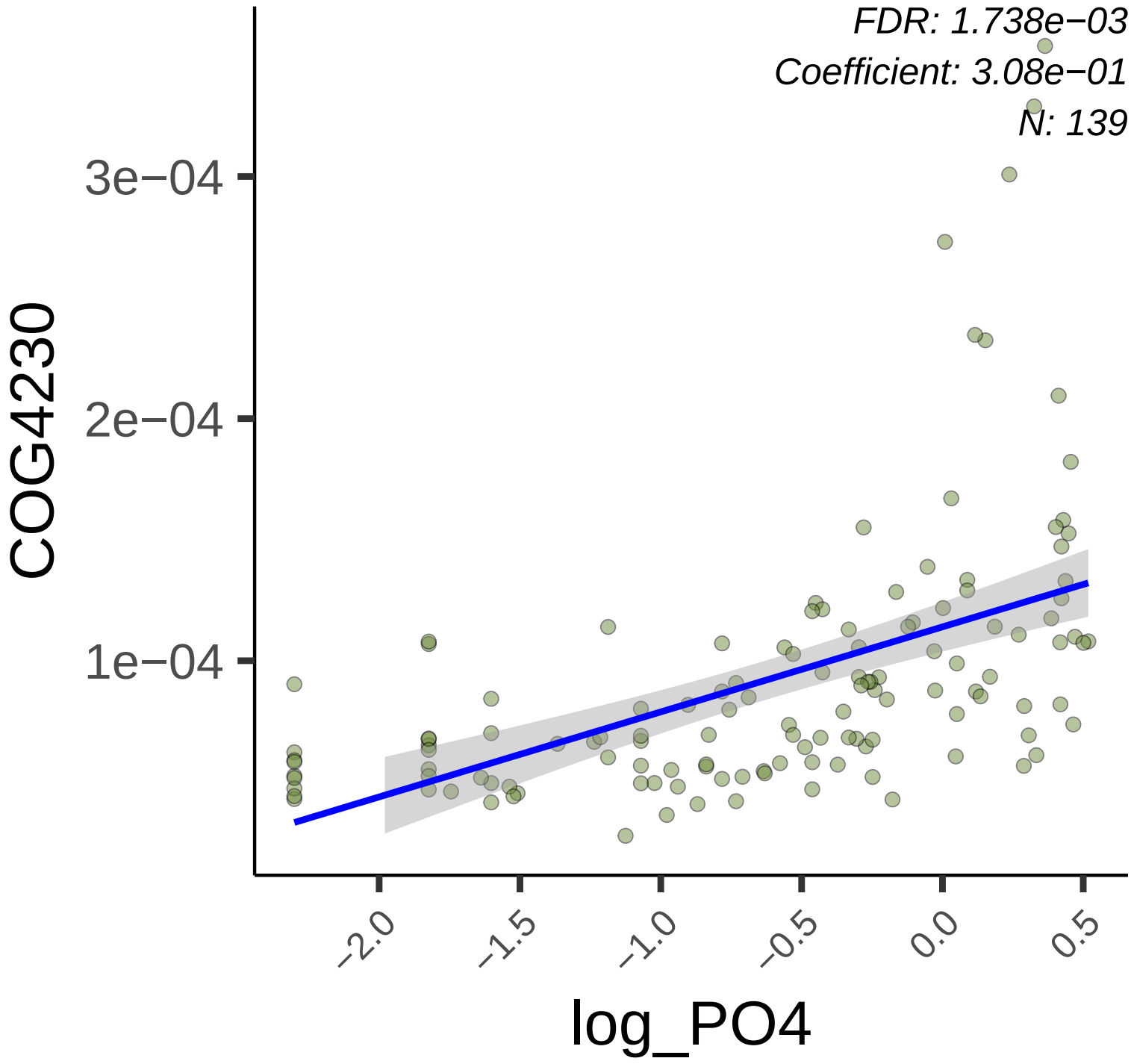
log_PO4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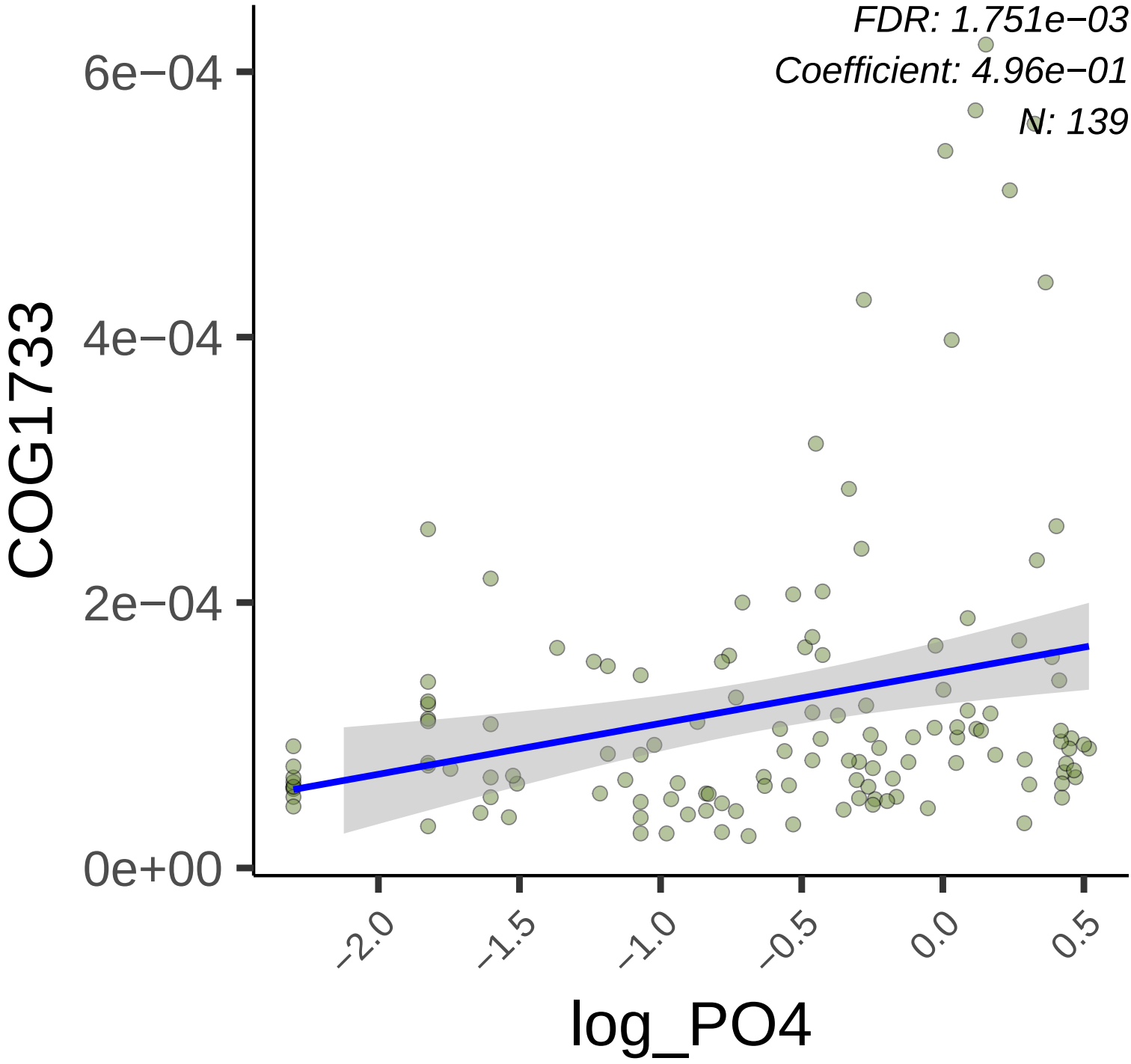
log_PO4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Coefficient: 4.96e−01
N: 139
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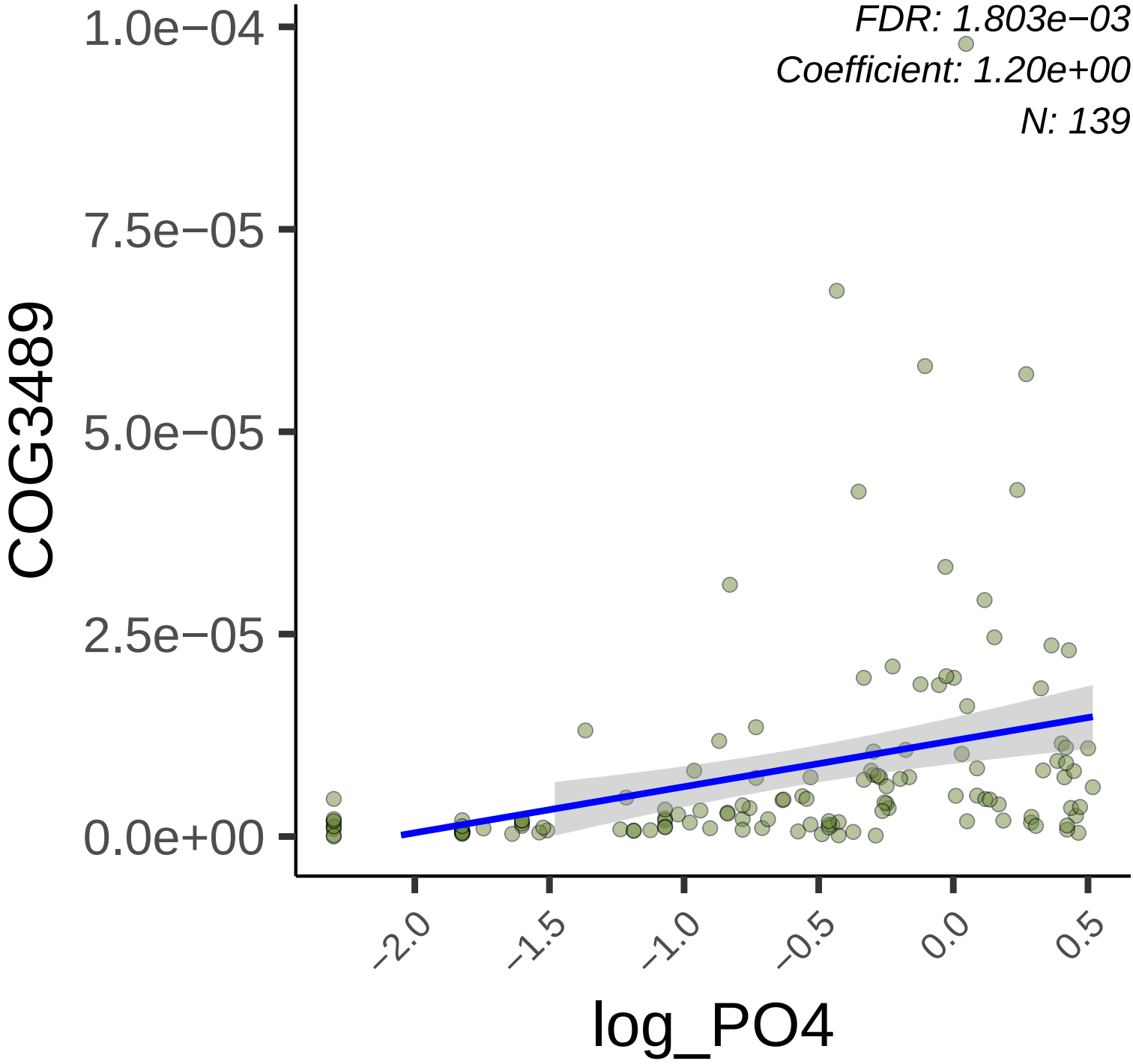
log_PO4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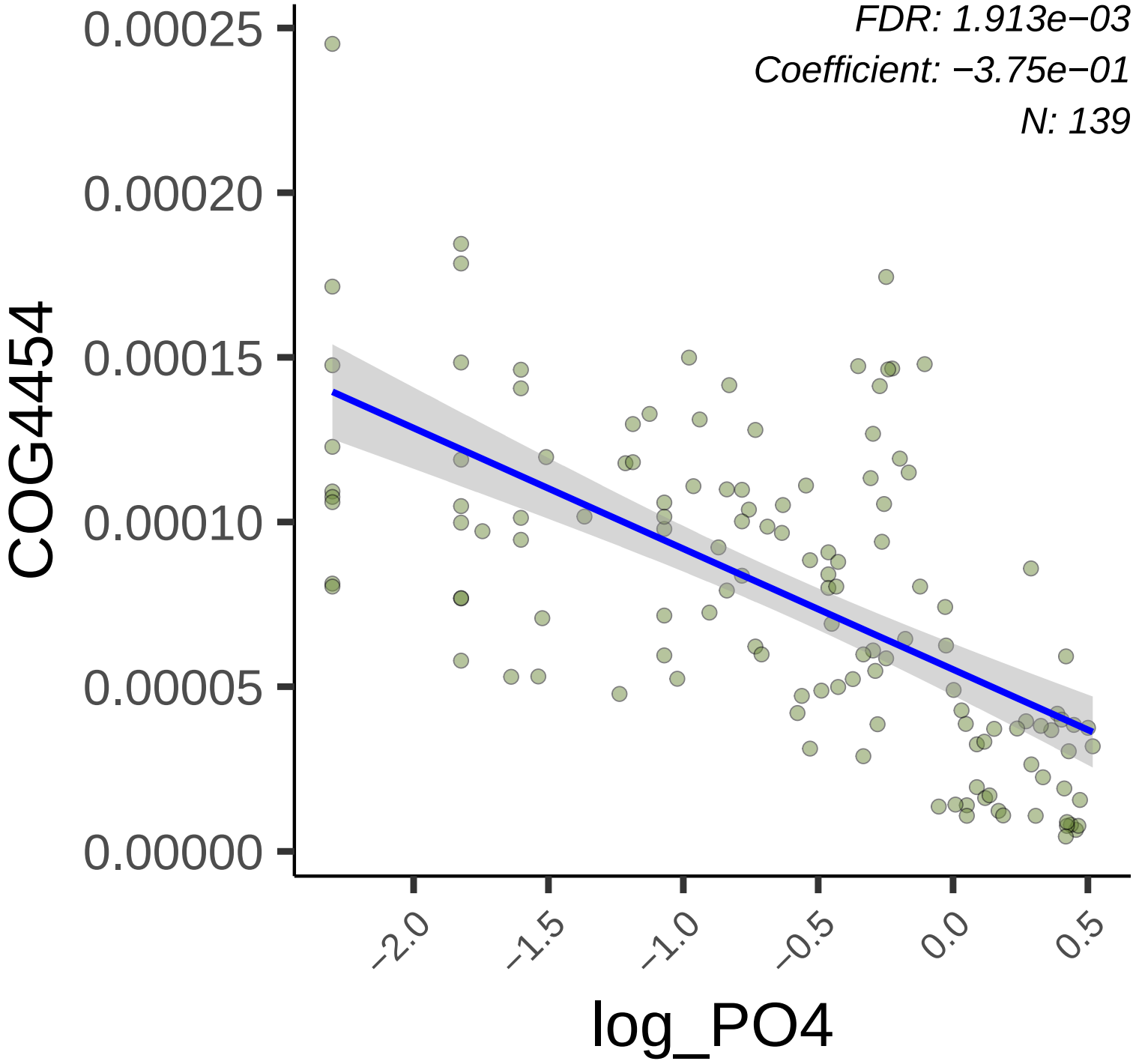
log_PO4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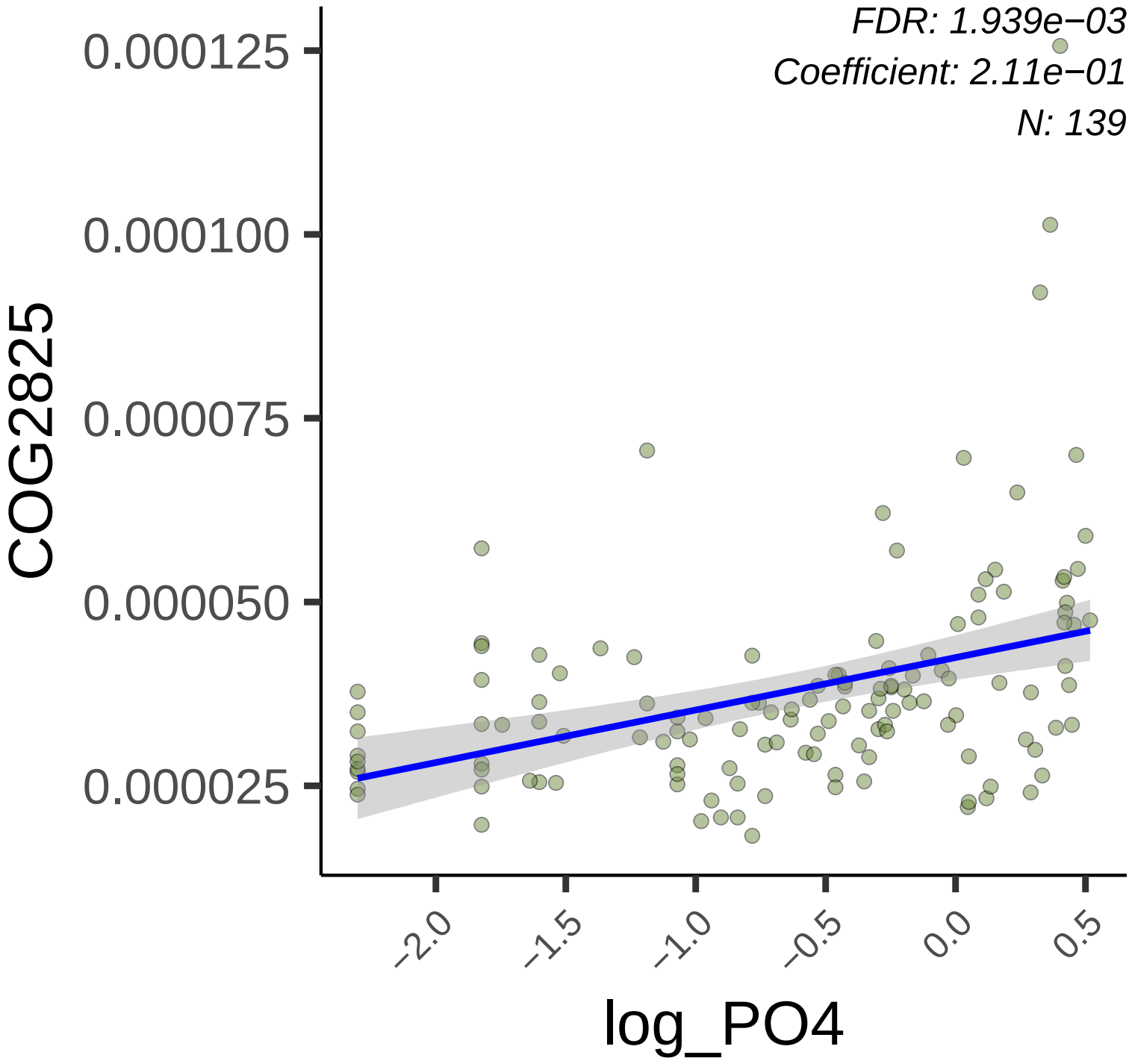
log_PO4


FDR: 1.939e−03
Coefficient: 2.11e−01
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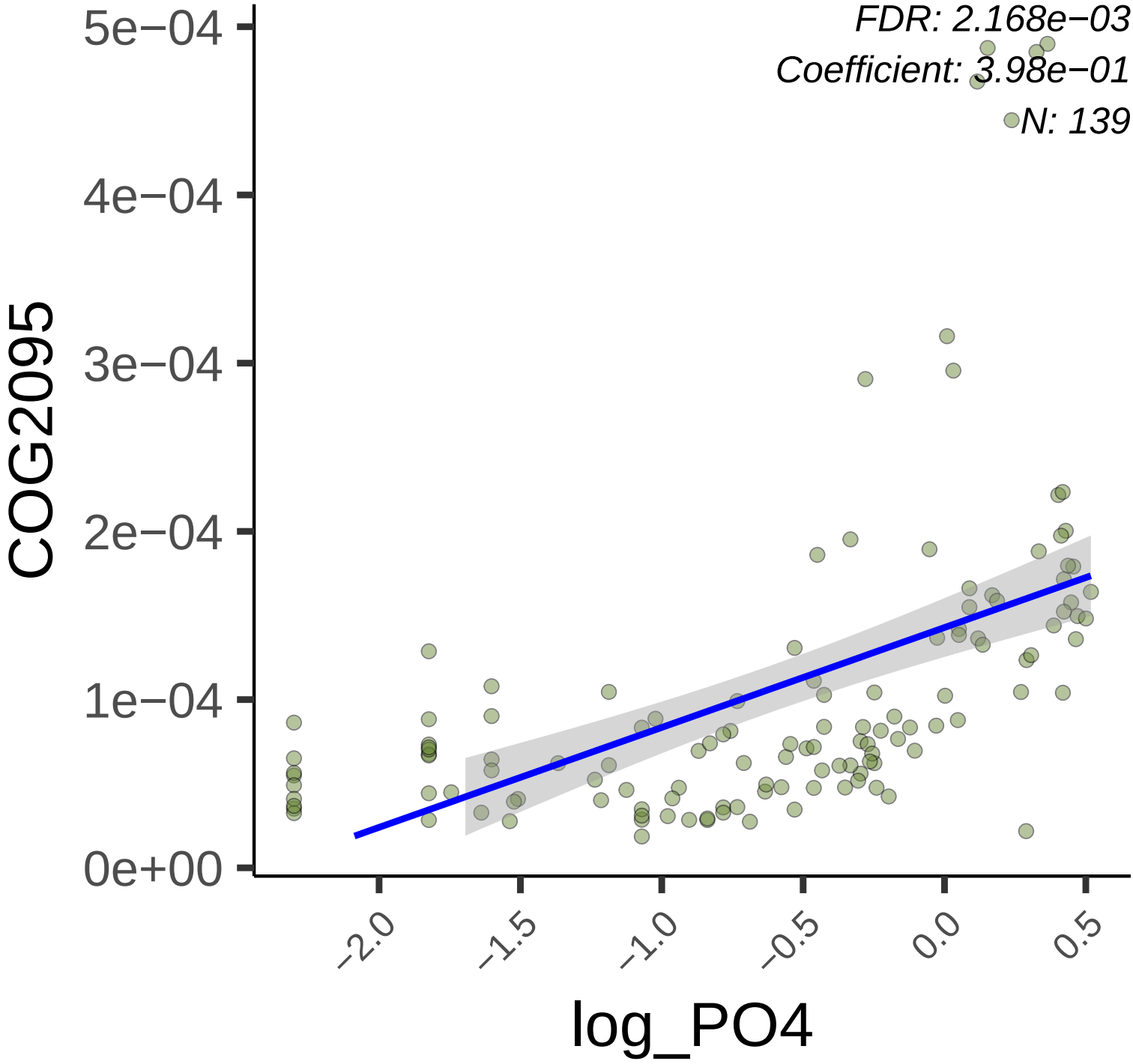
log_PO4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Coefficient: 3.98e−01
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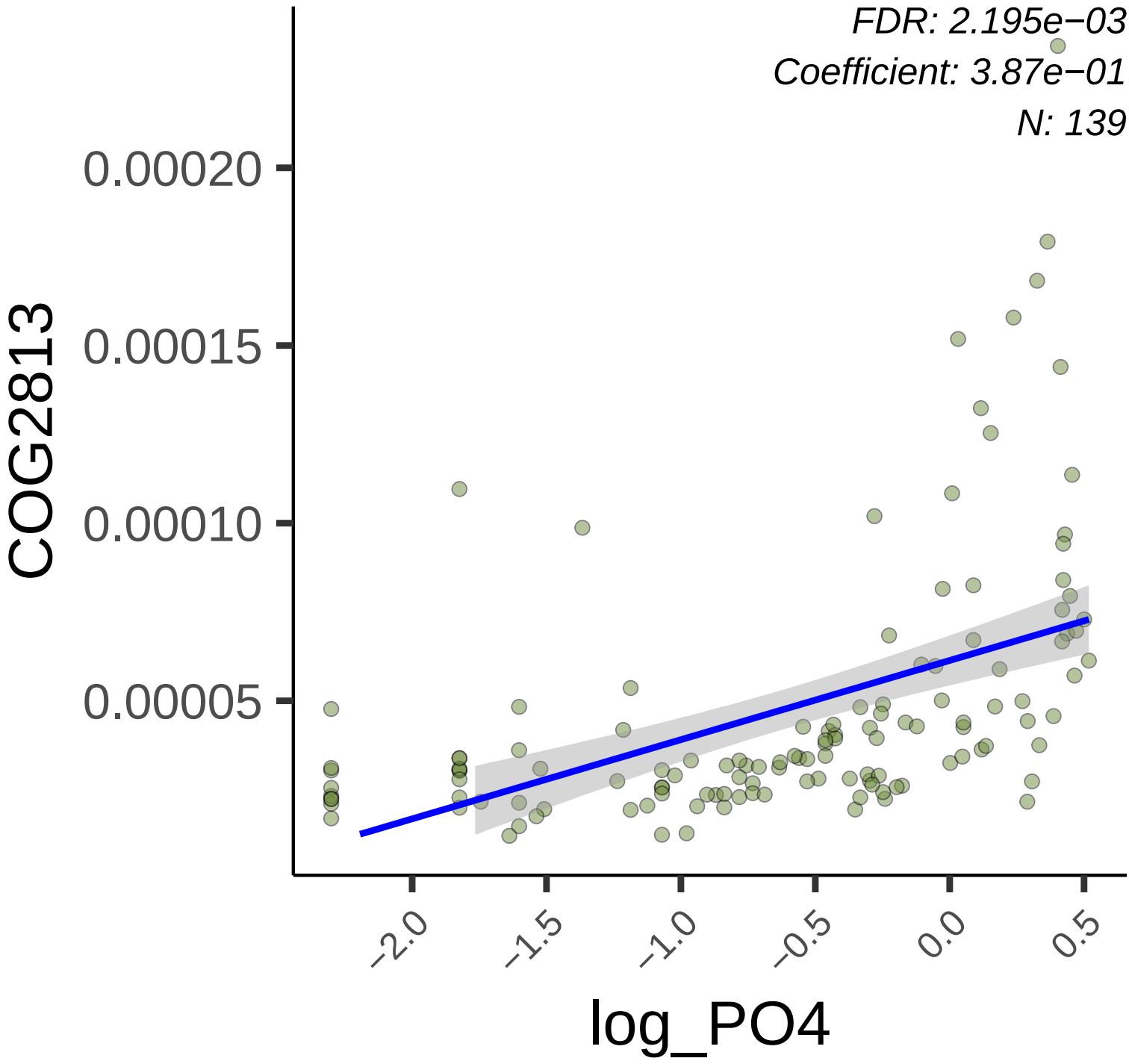
log_PO4


FDR: 2.195e−03
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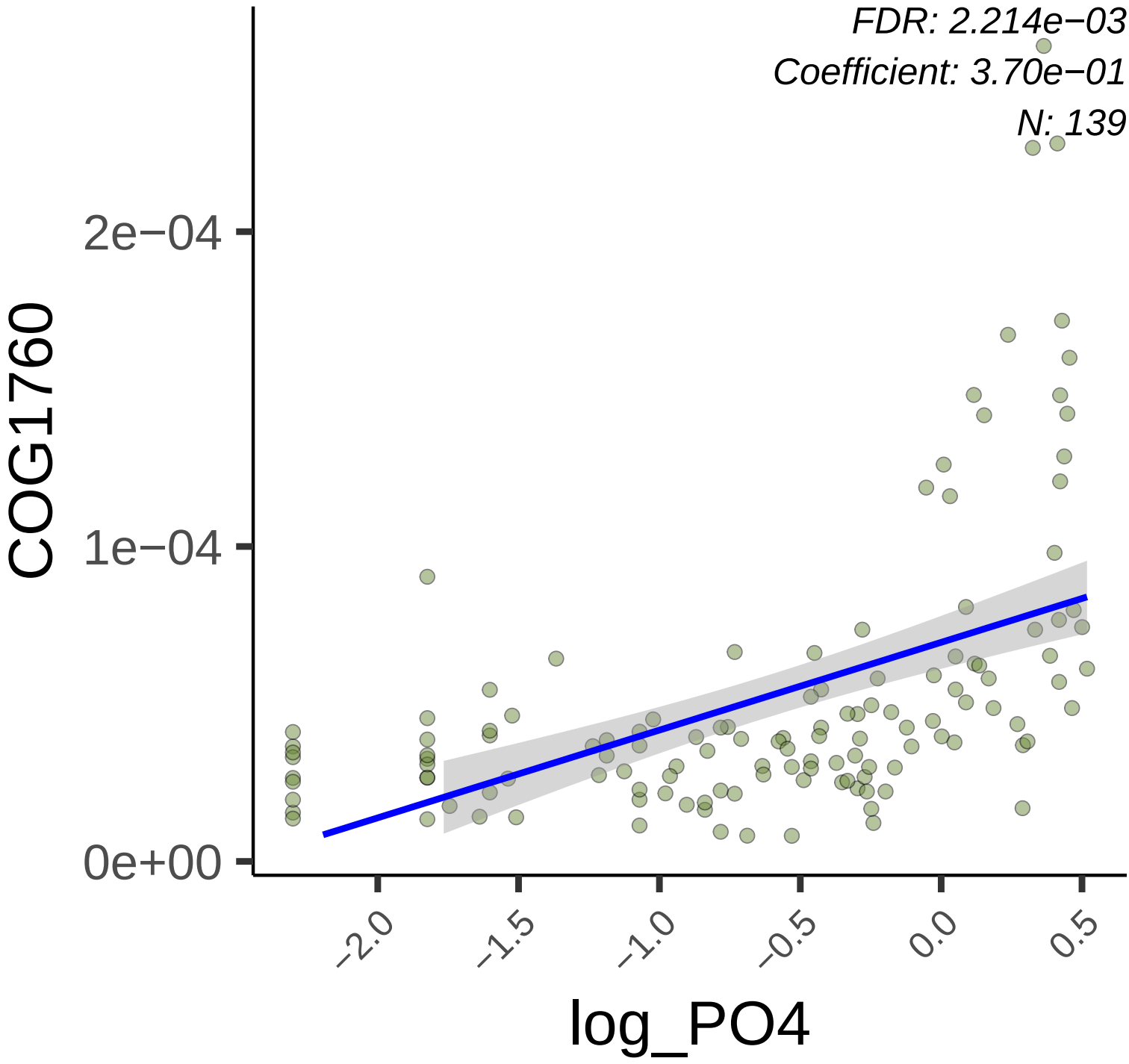
log_PO4


FDR: 2.214e−03
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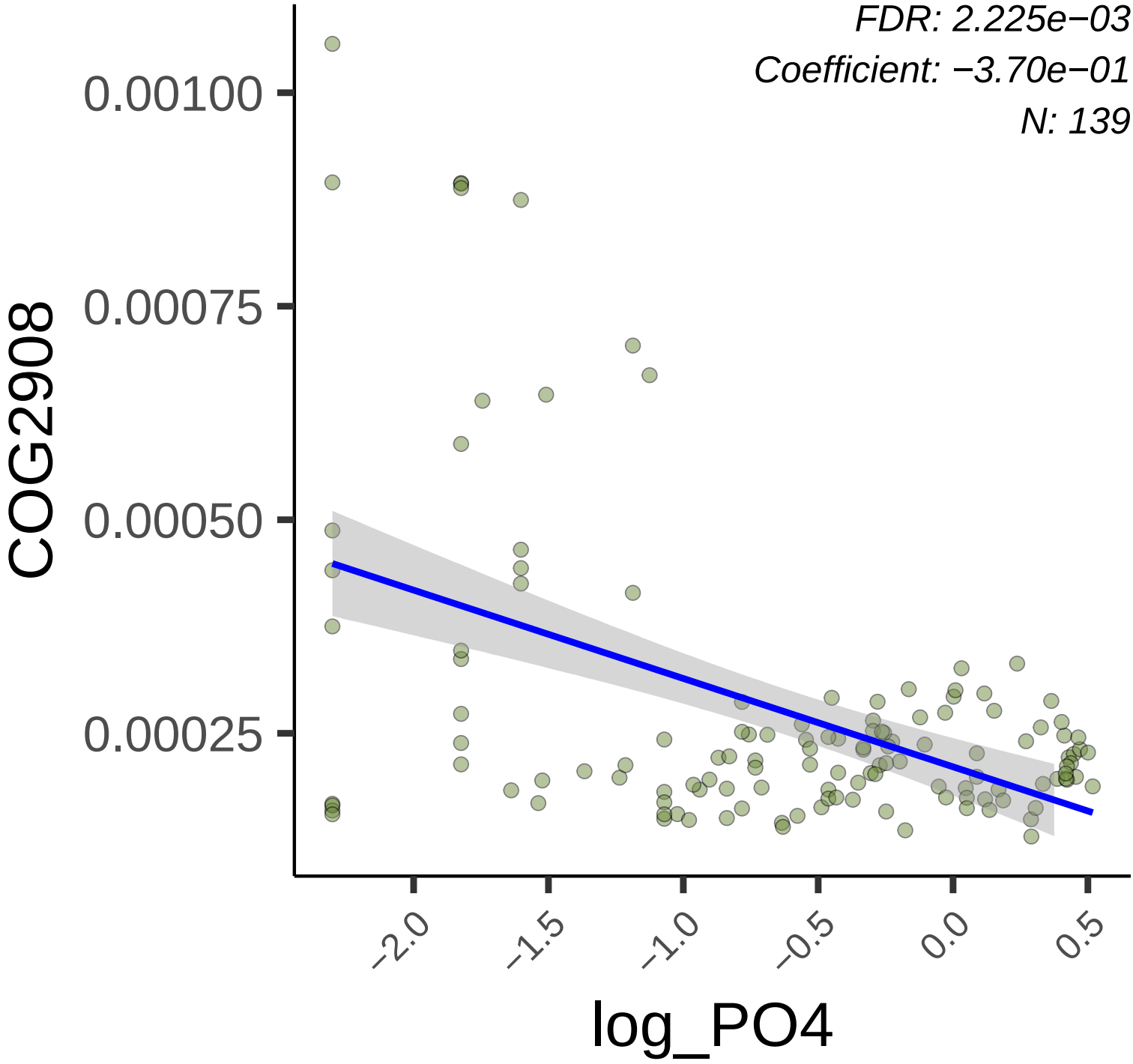
FDR: 2.225e−03
Coefficient: −3.70e−01
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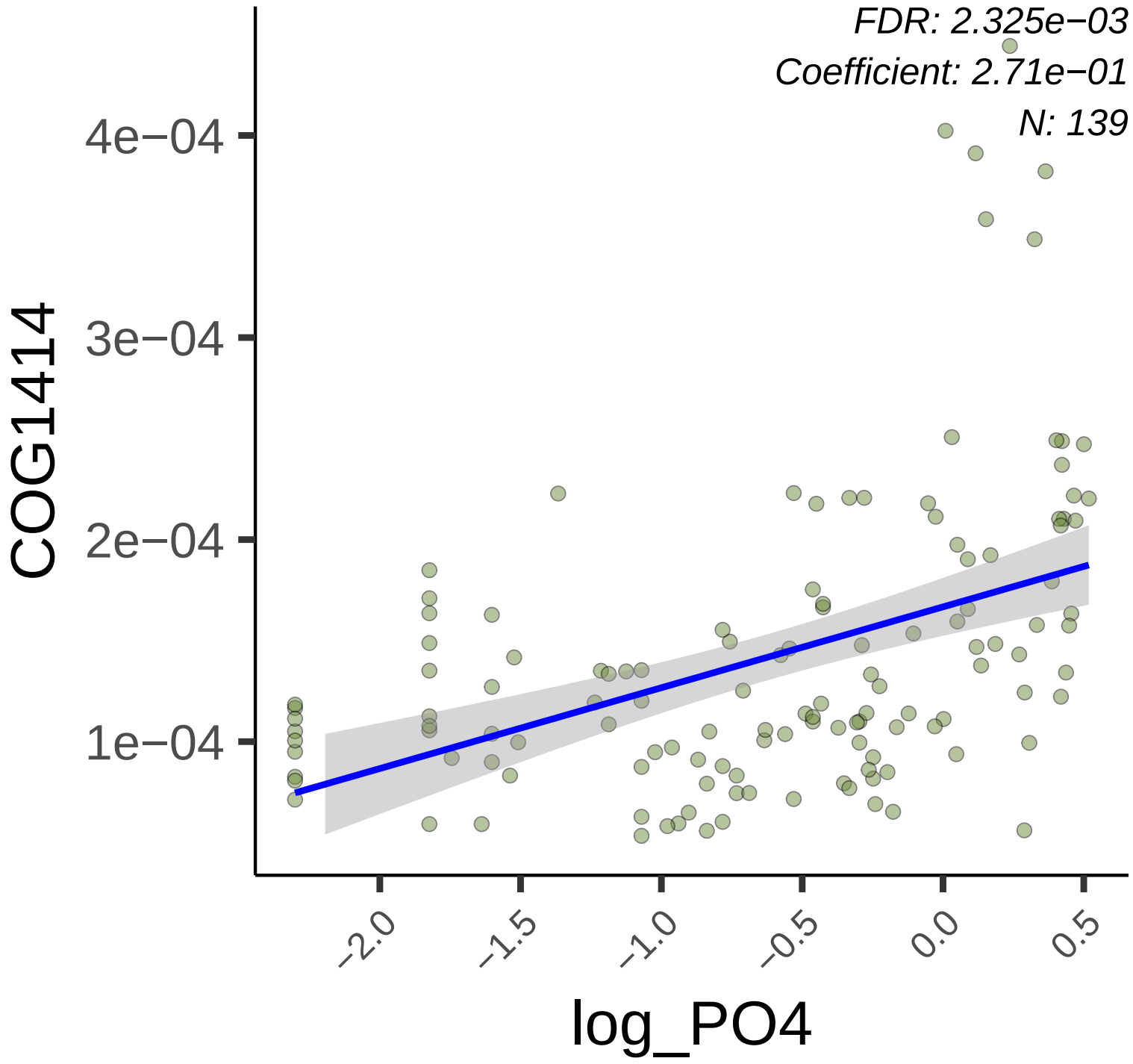
log_PO4


FDR: 2.325e−03
Coefficient: 2.71e−01
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COG1414
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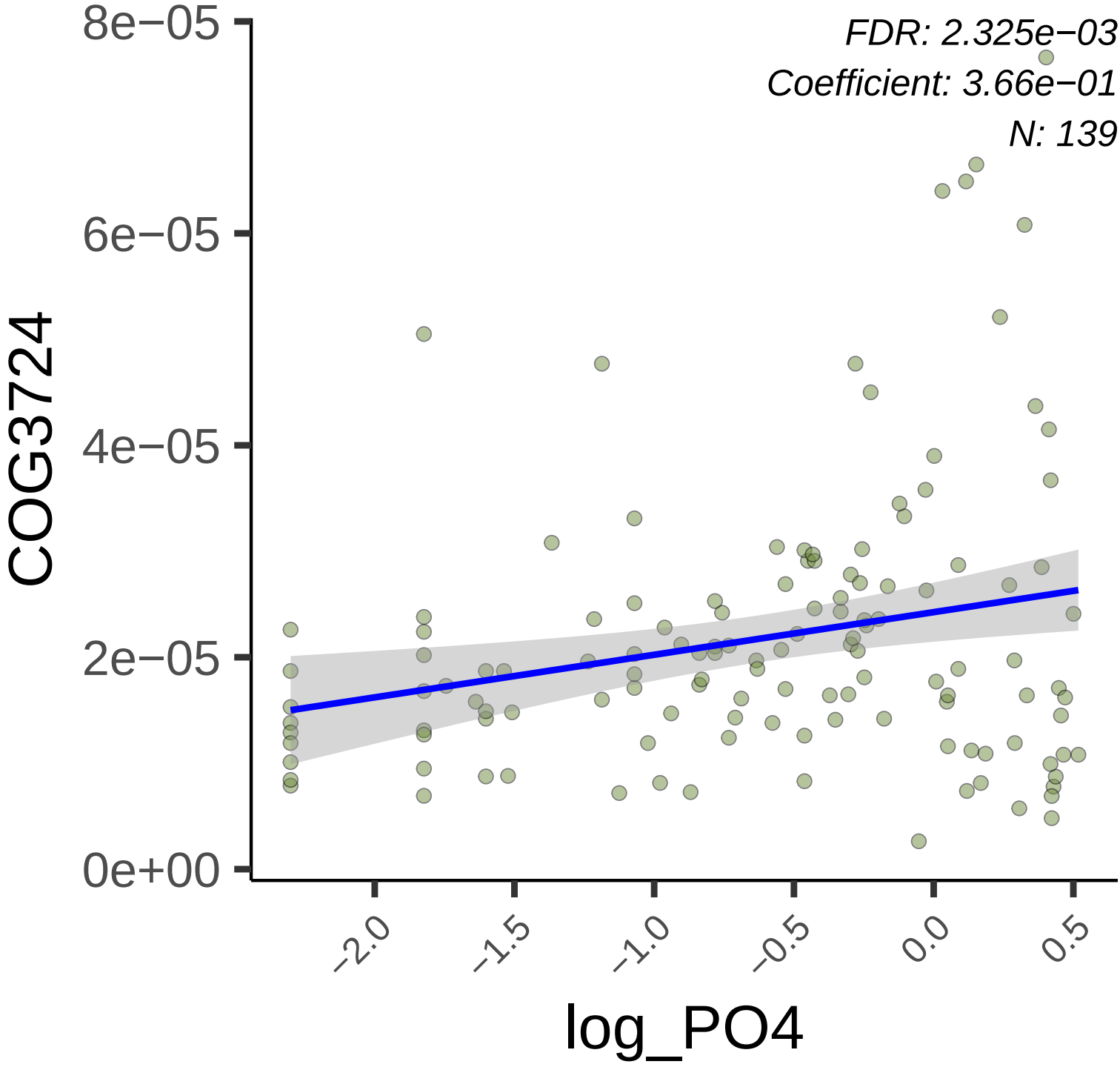
log_PO4


FDR: 2.325e−03
Coefficient: 3.66e−01
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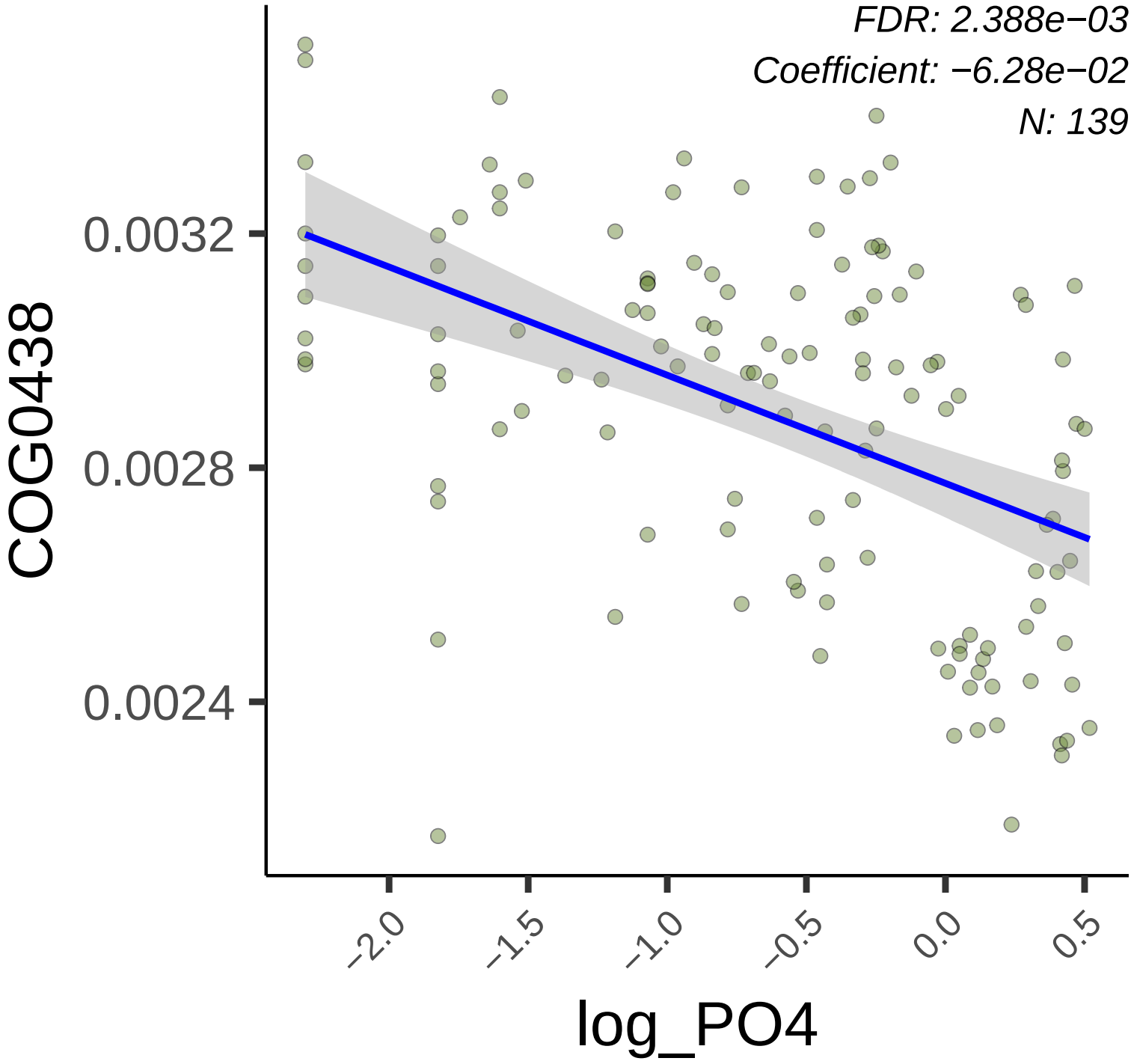
log_PO4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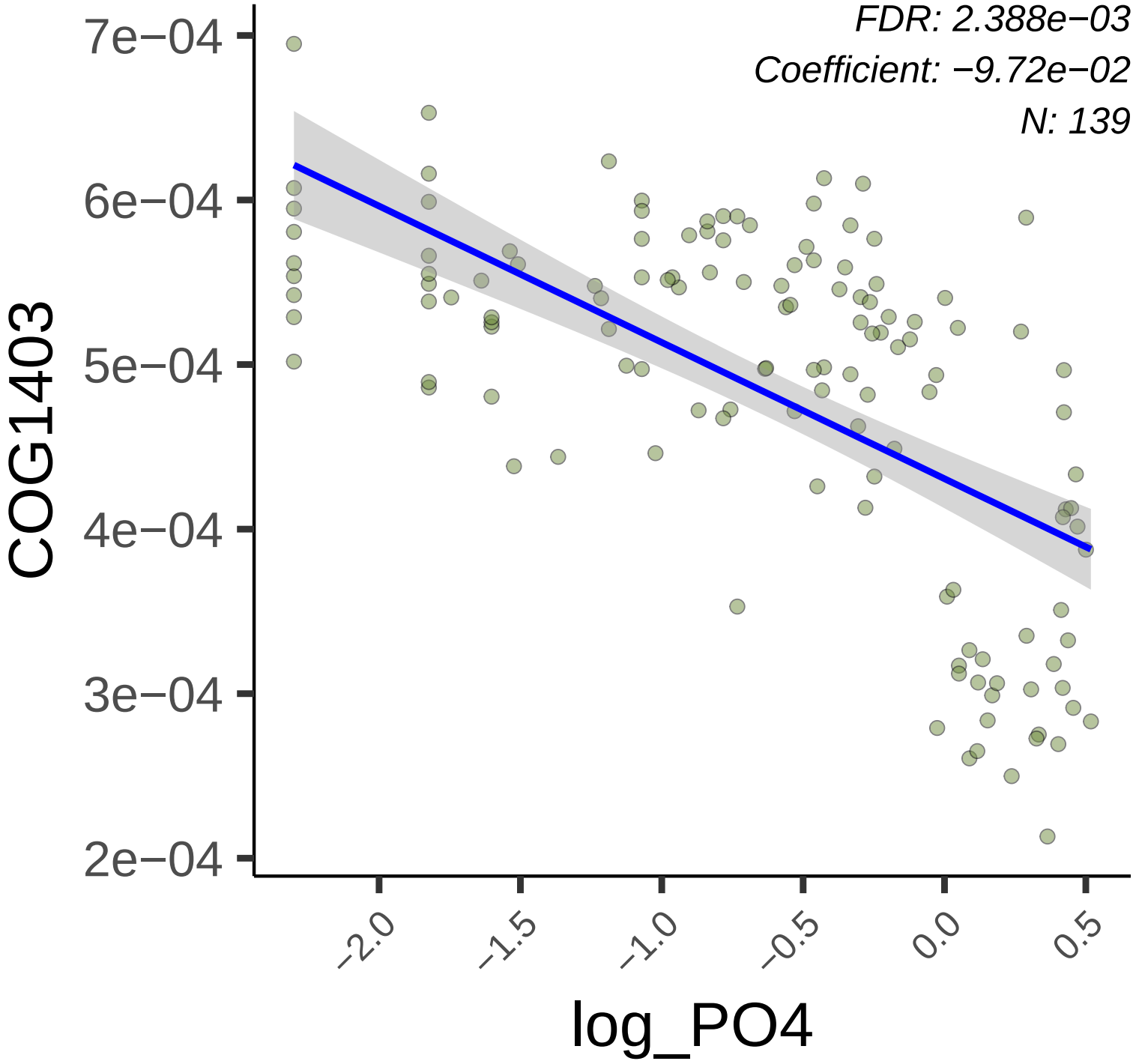
log_PO4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Coefficient: −9.72e−02
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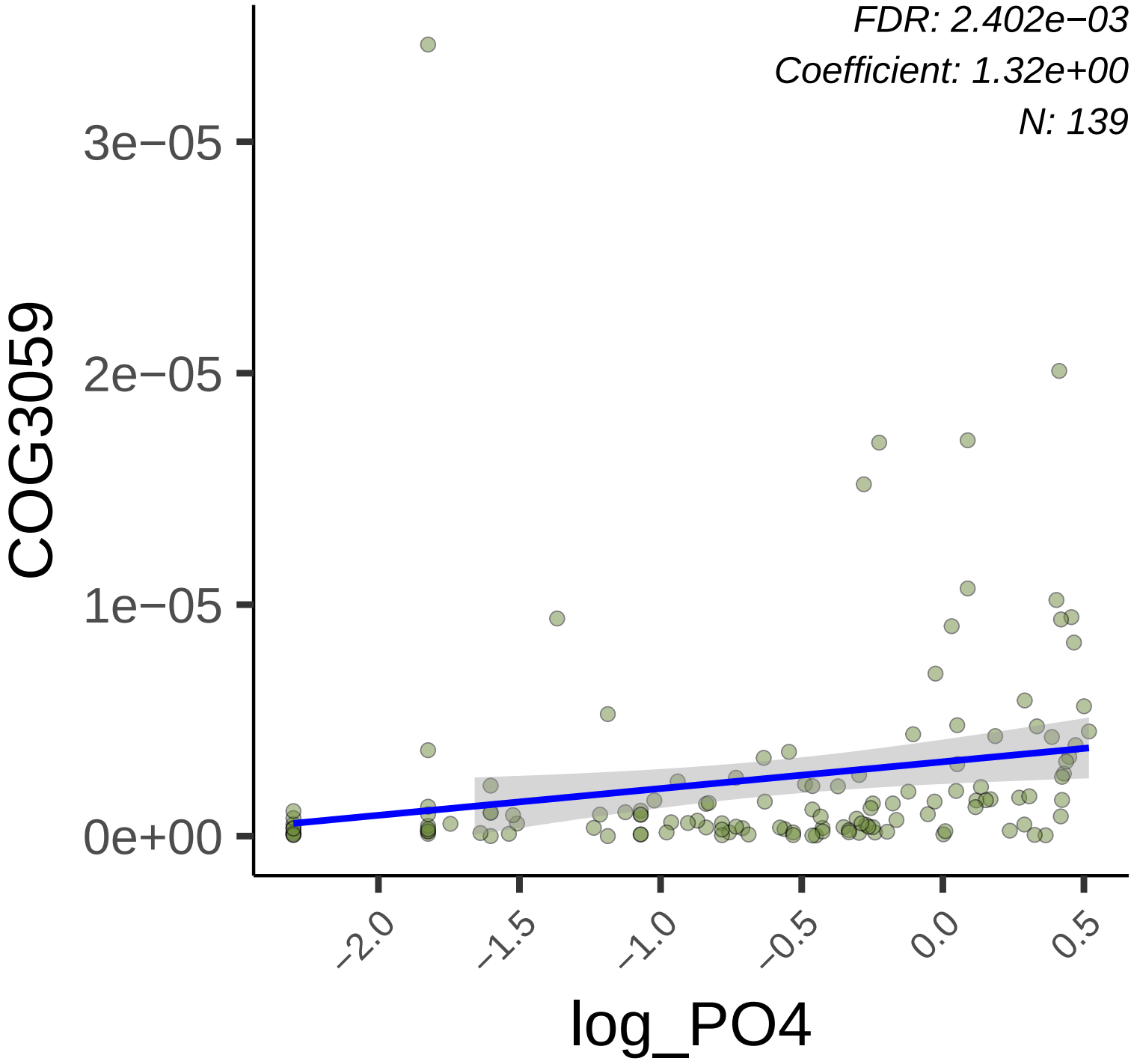
log_PO4


FDR: 2.402e−03
Coefficient: 1.32e+00
N: 139
COG3059
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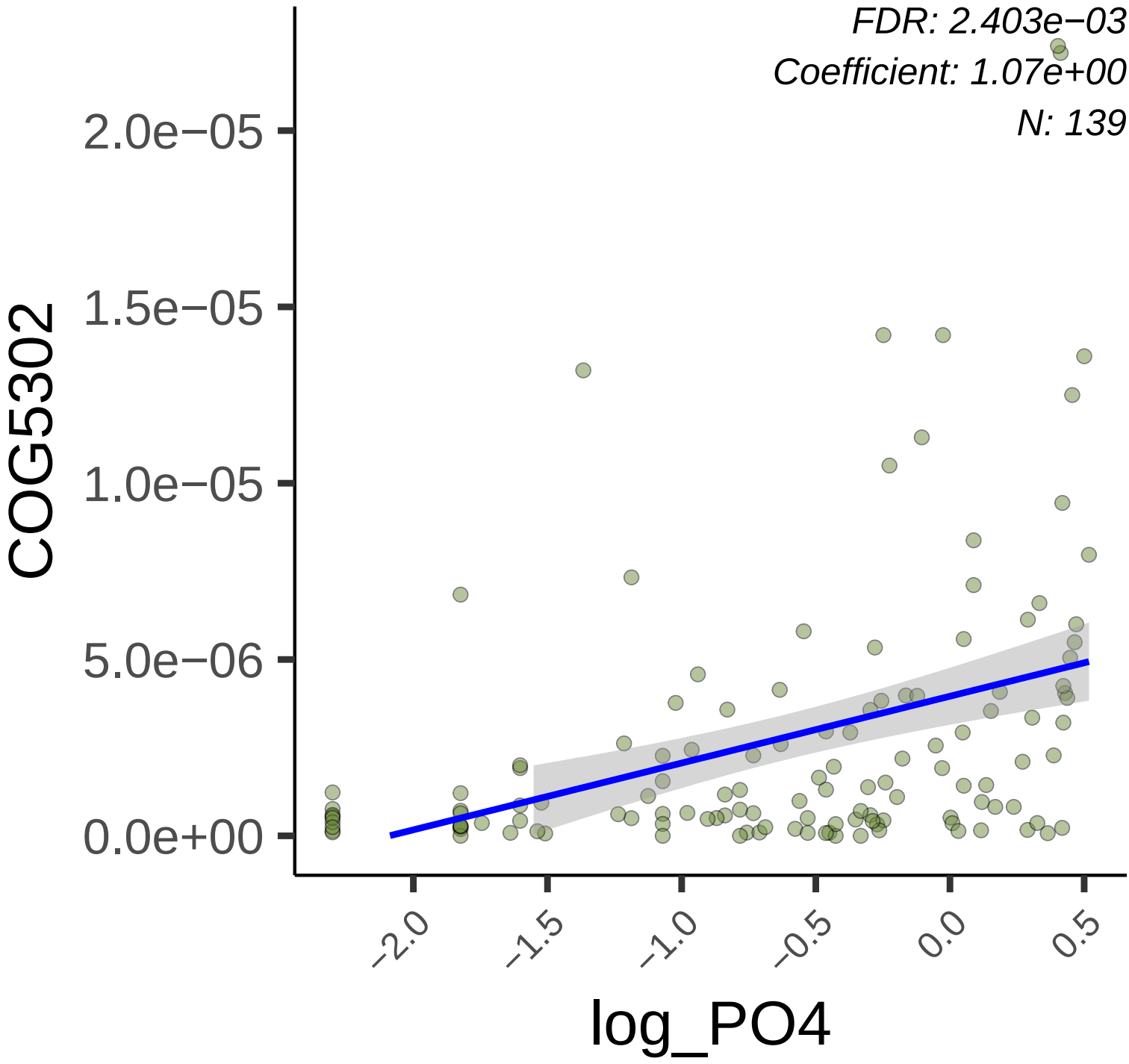
log_PO4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Coefficient: 1.07e+00
N: 139
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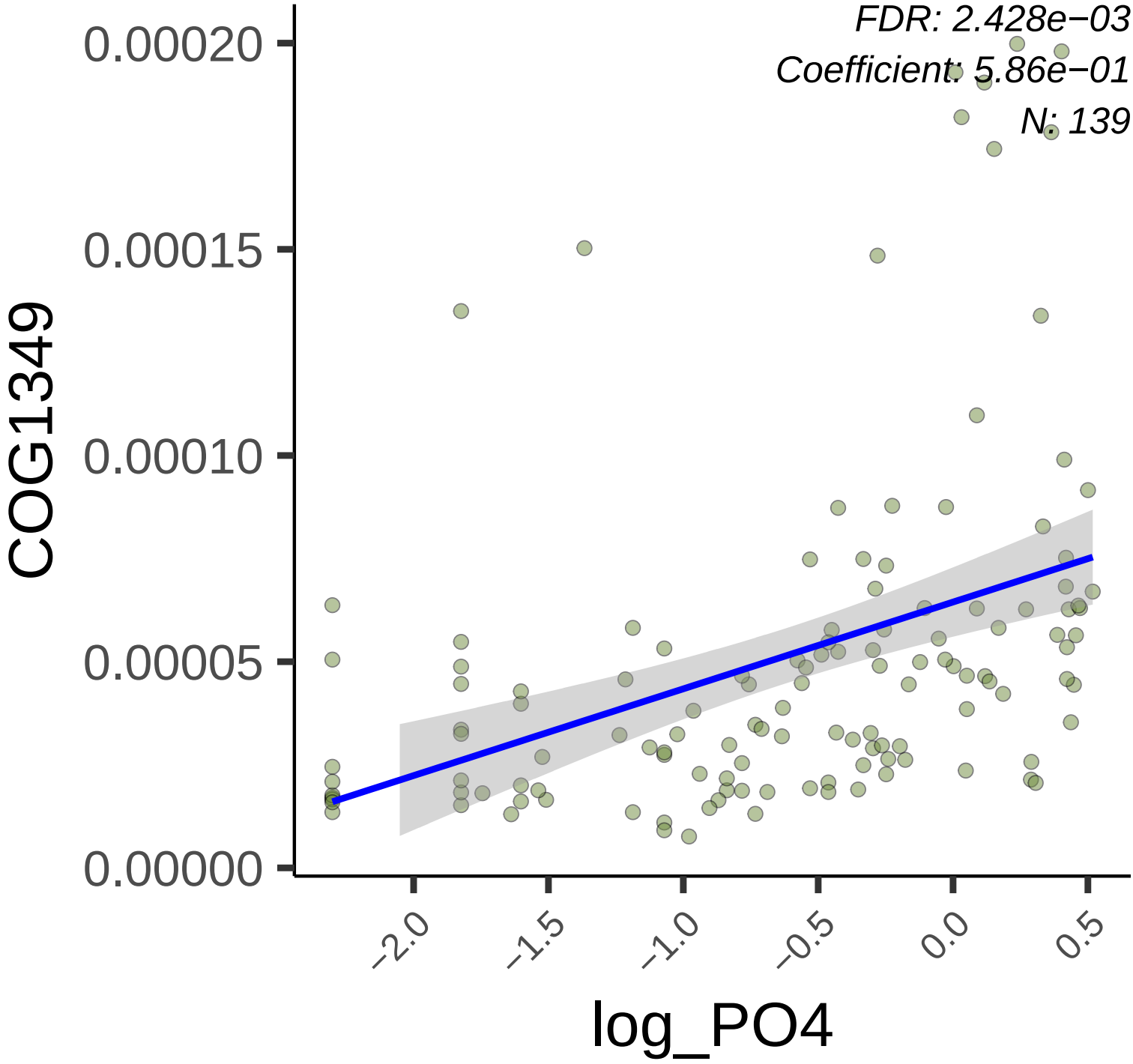
log_PO4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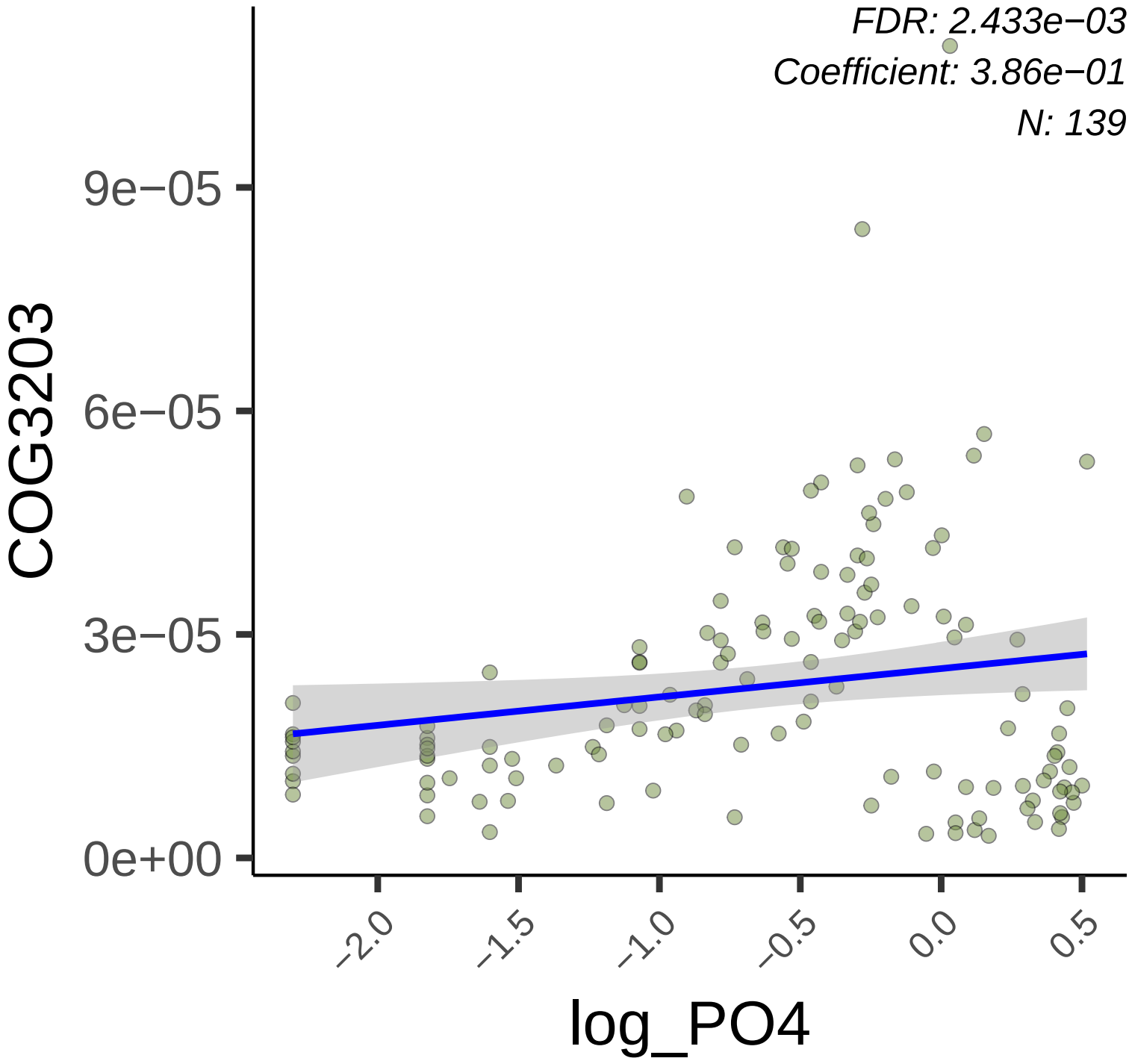
log_PO4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Coefficient: 3.86e−01
N: 139
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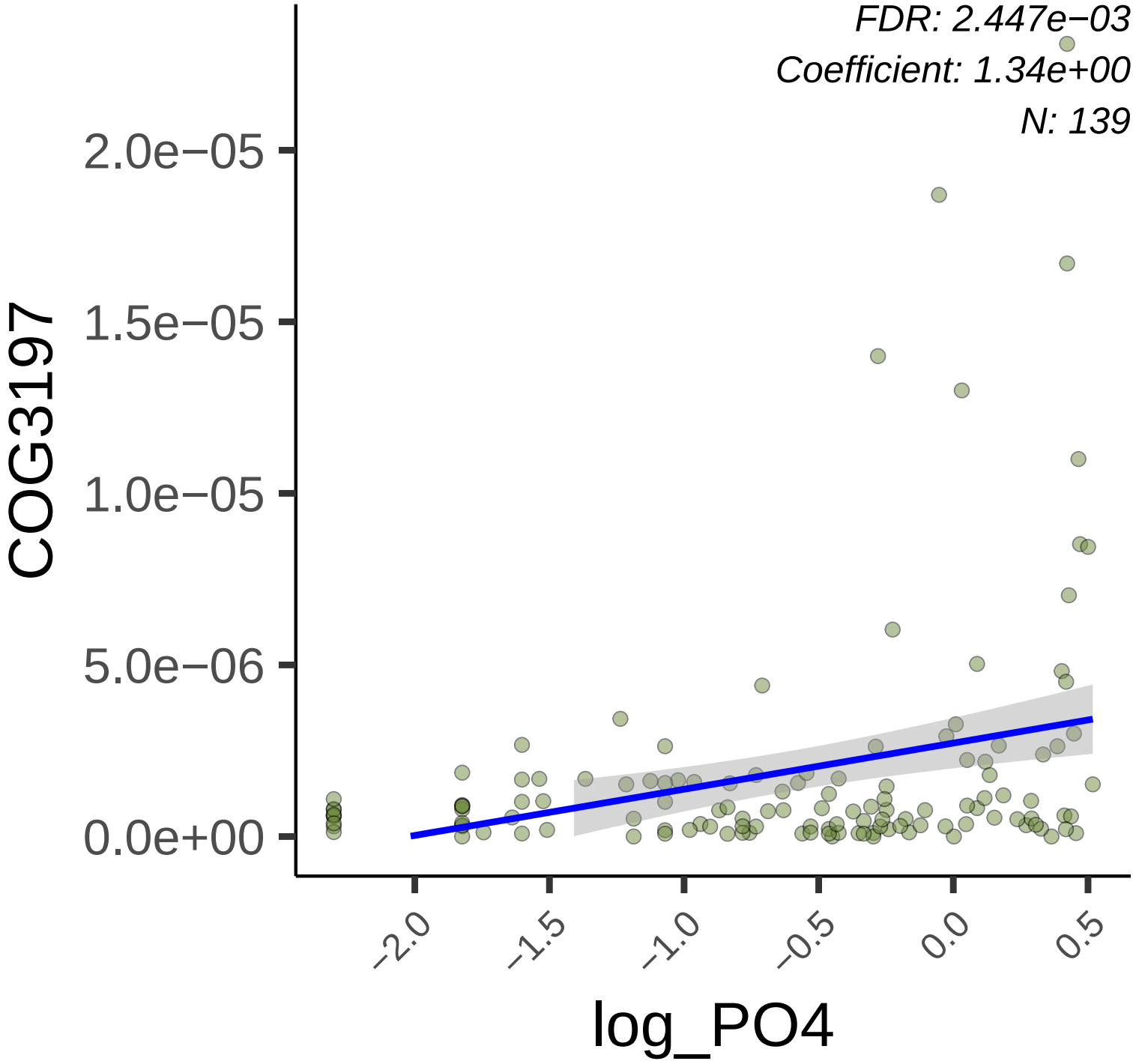
log_PO4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Coefficient: 1.34e+00
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COG3197
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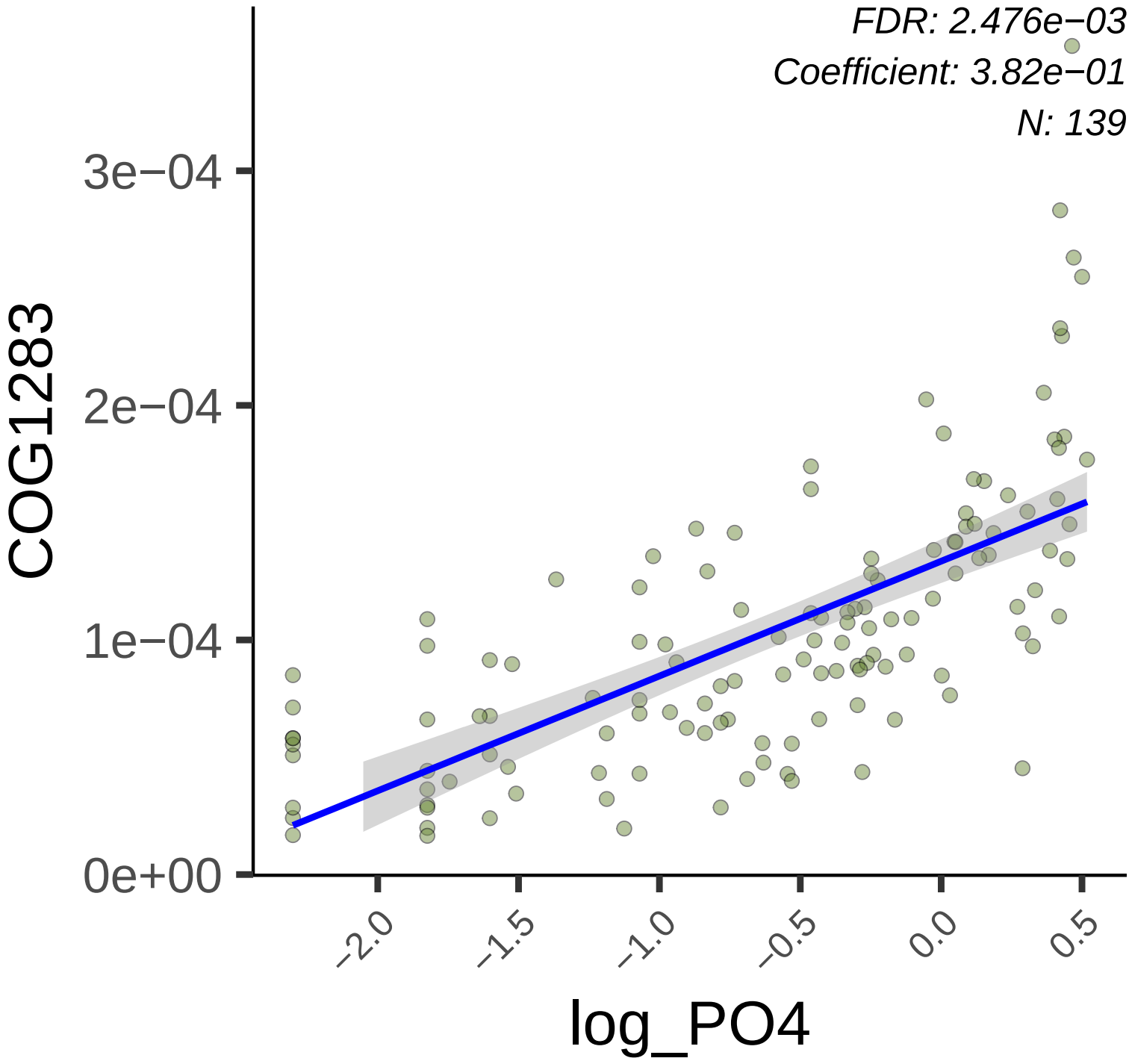
log_PO4


FDR: 2.476e−03
Coefficient: 3.82e−01
N: 139
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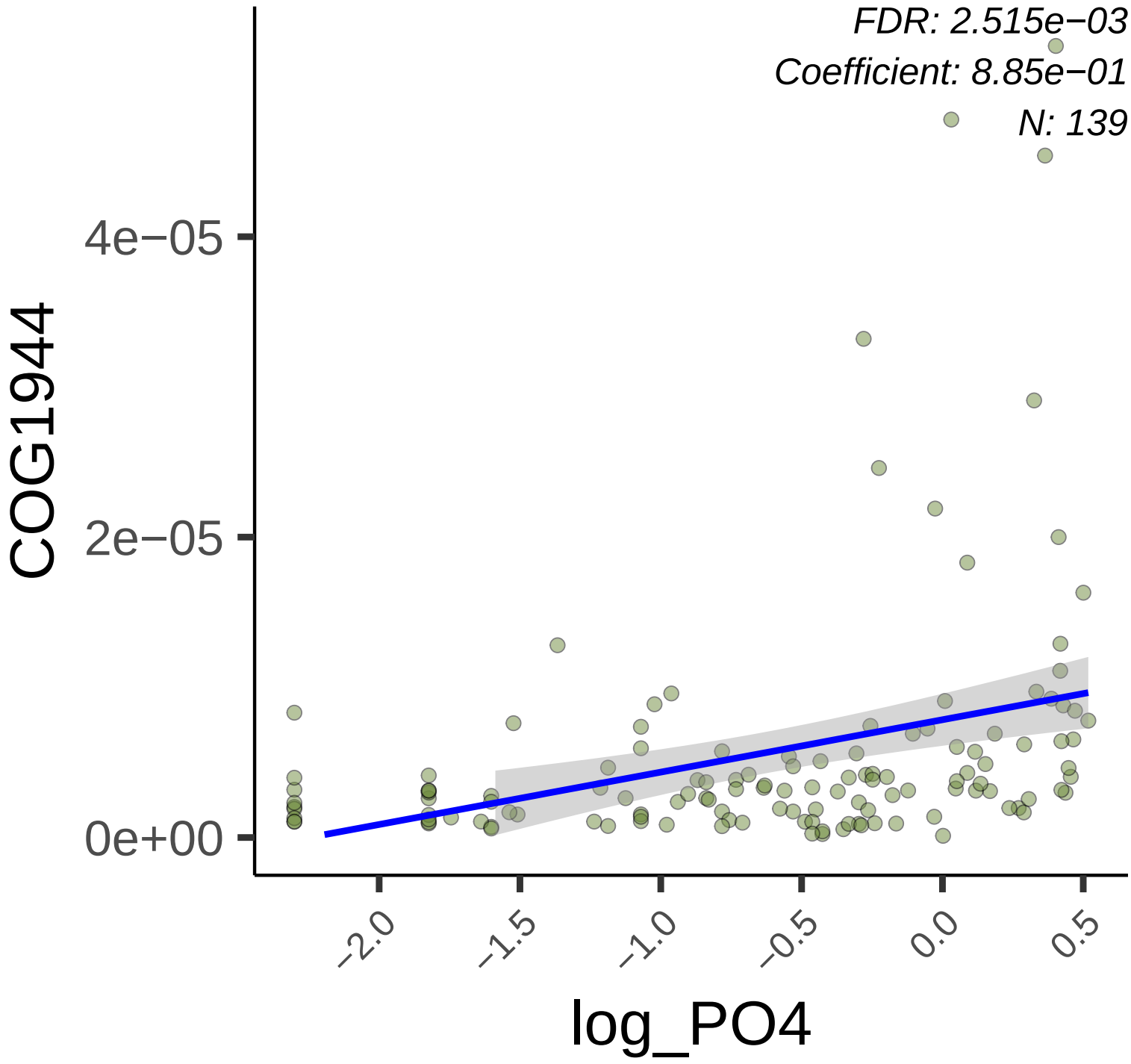
log_PO4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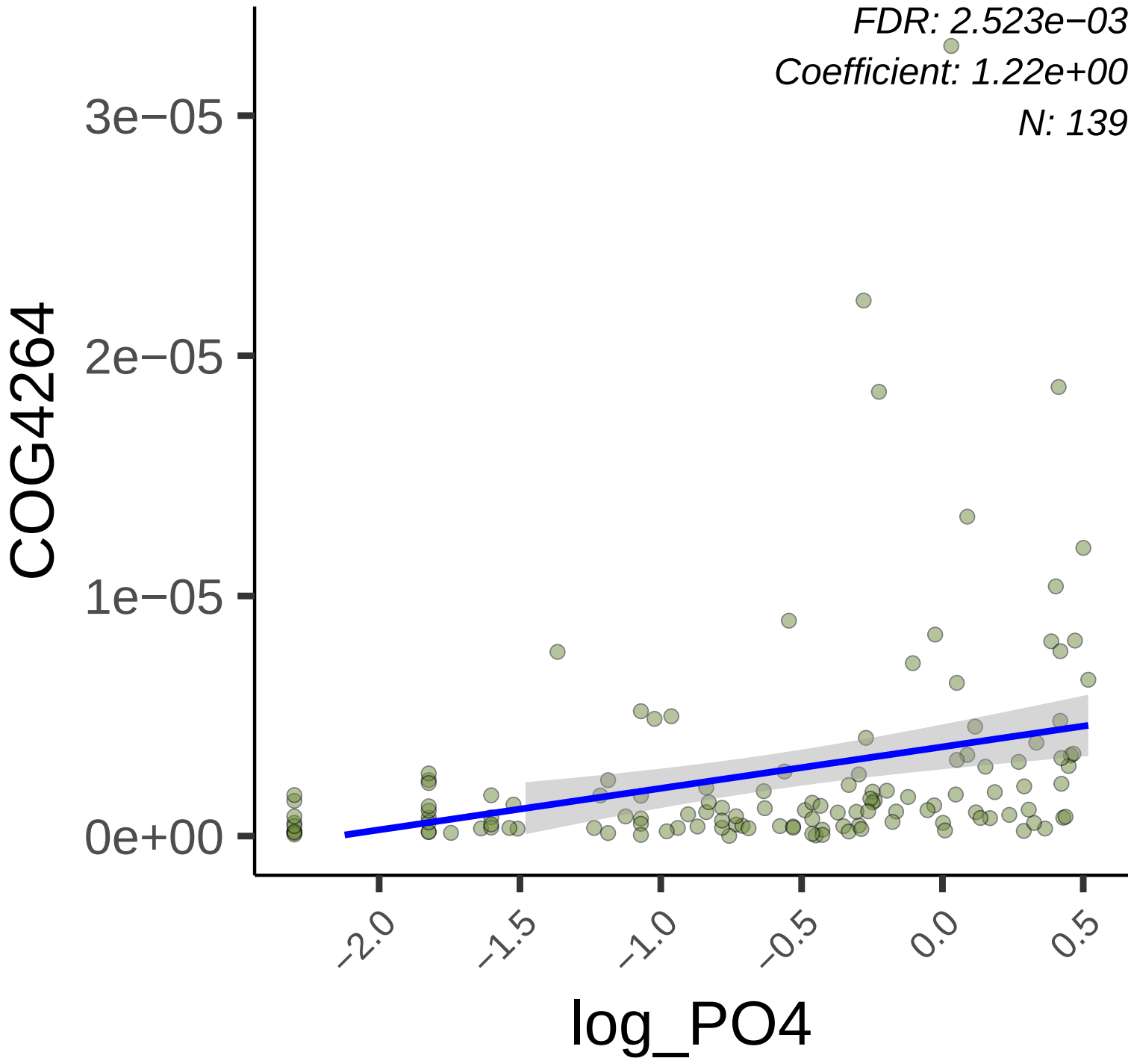
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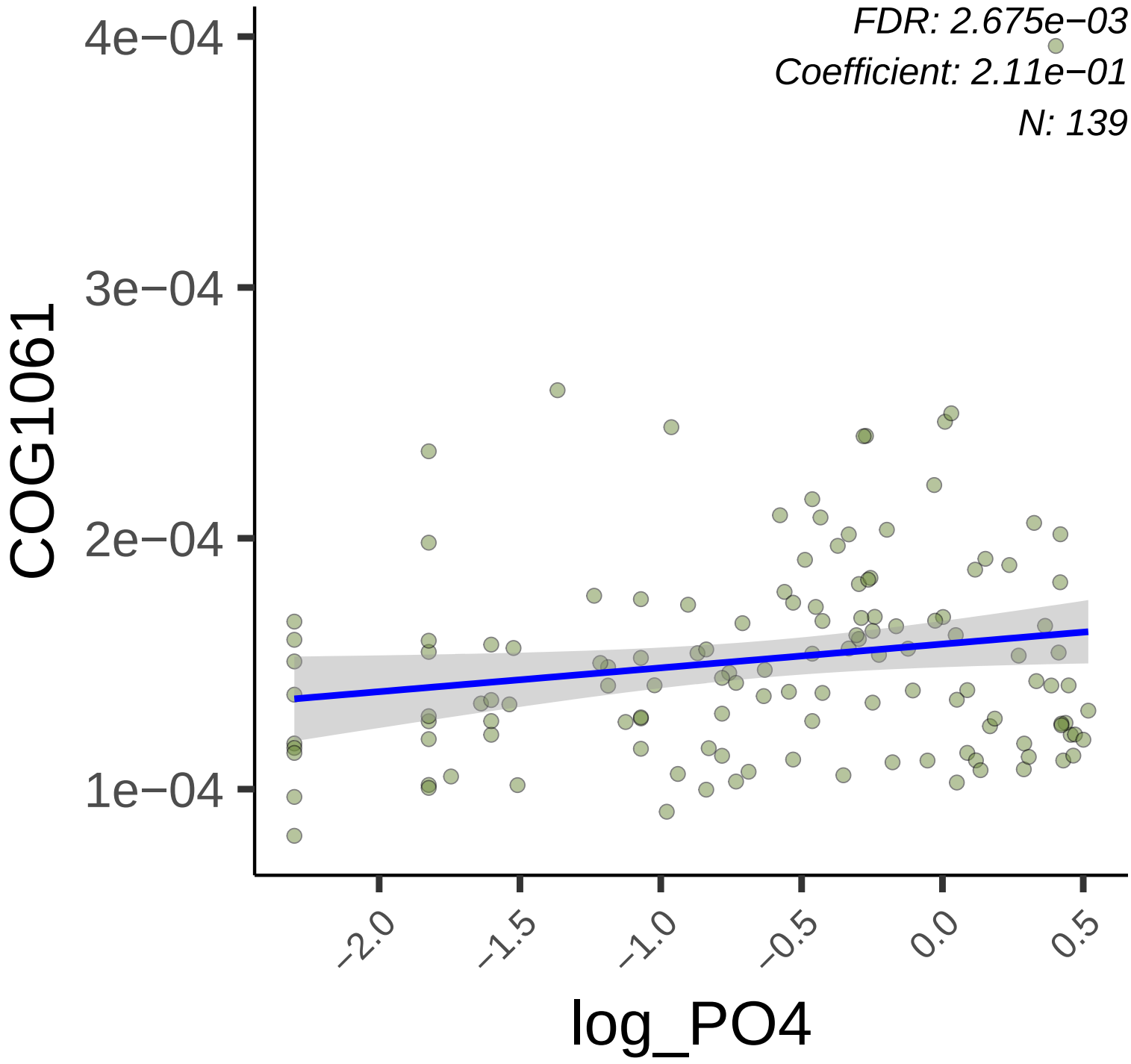
log_PO4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Coefficient: 2.11e−01
N: 139
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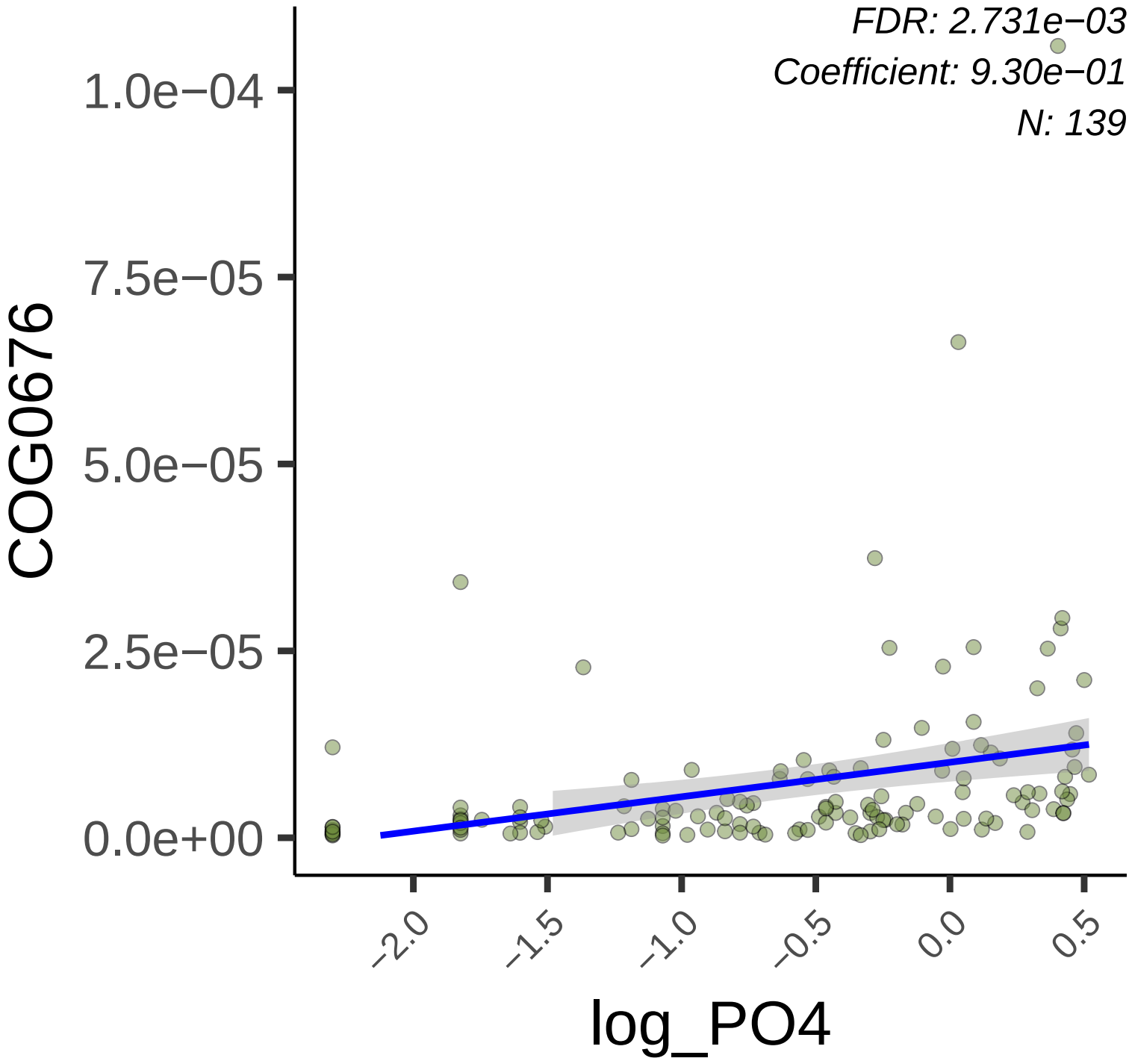
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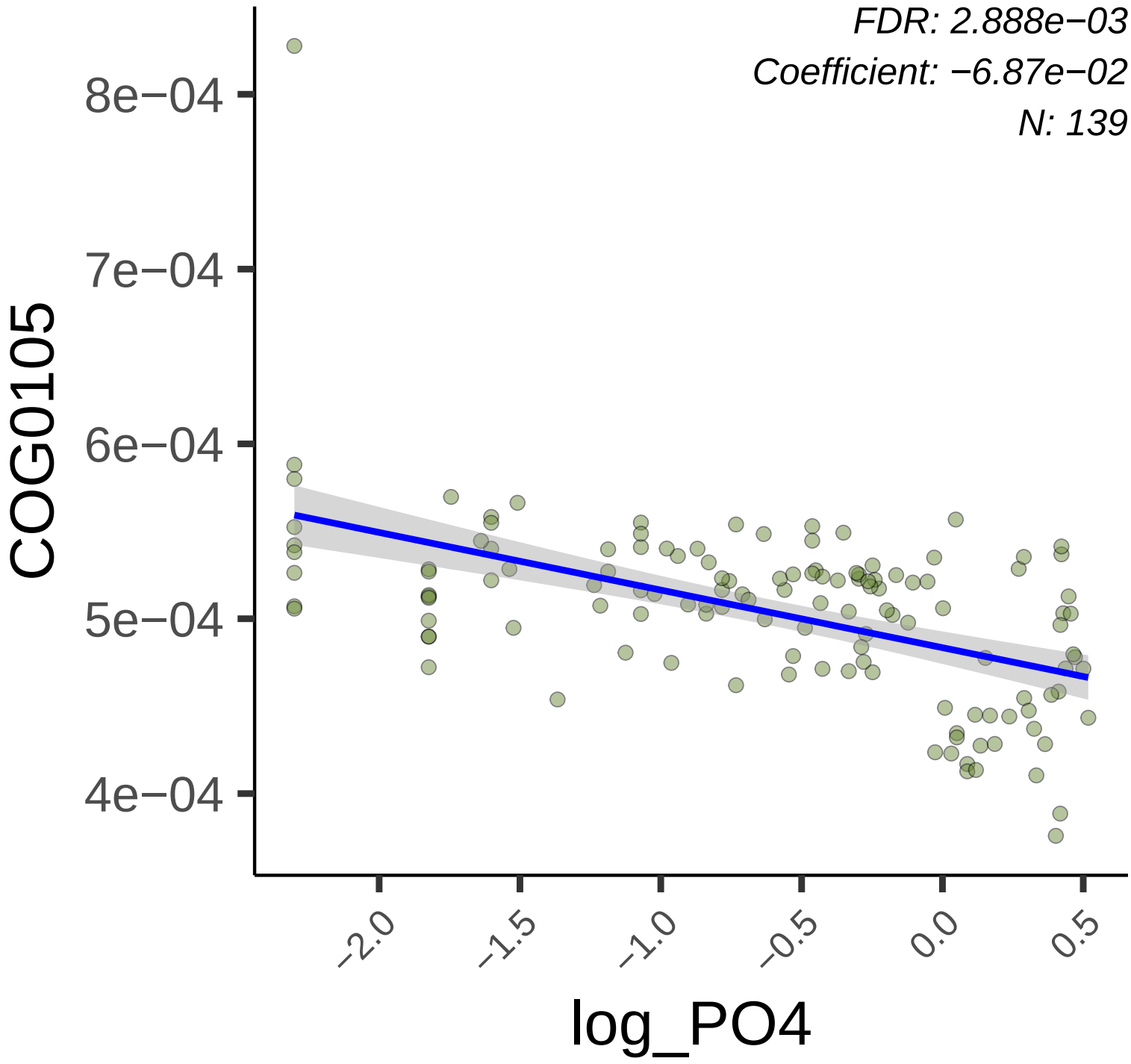
log_PO4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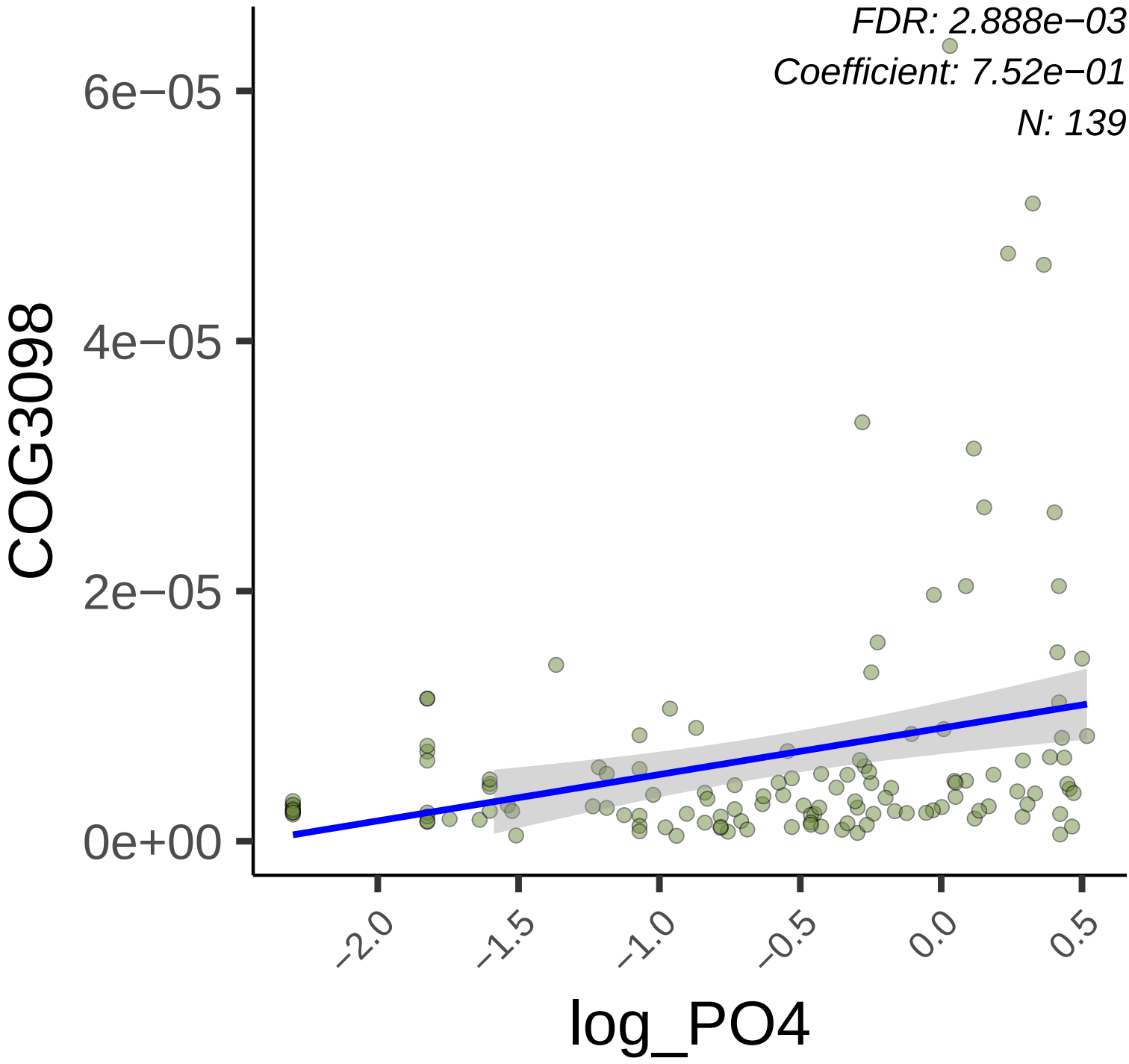
log_PO4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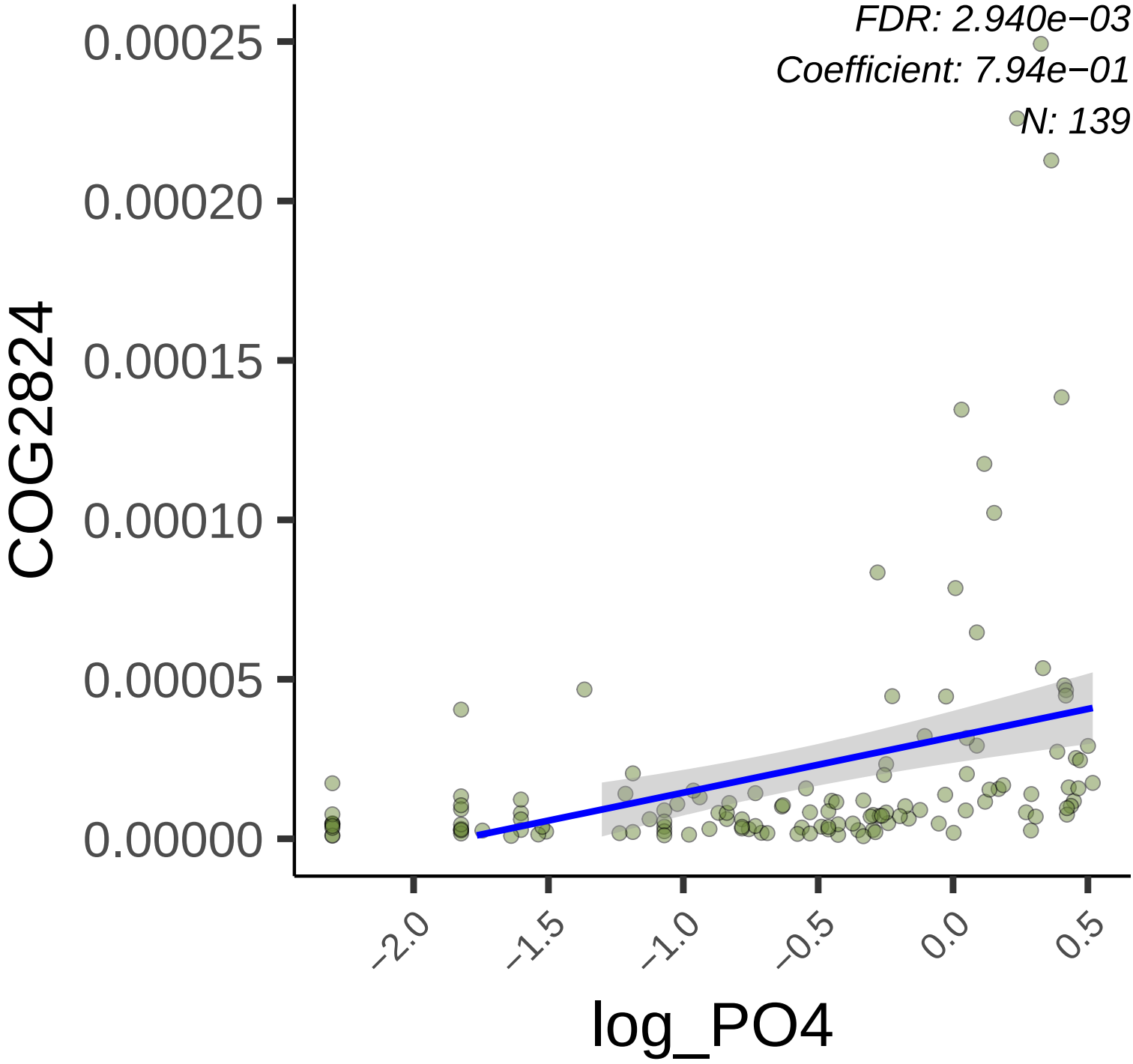
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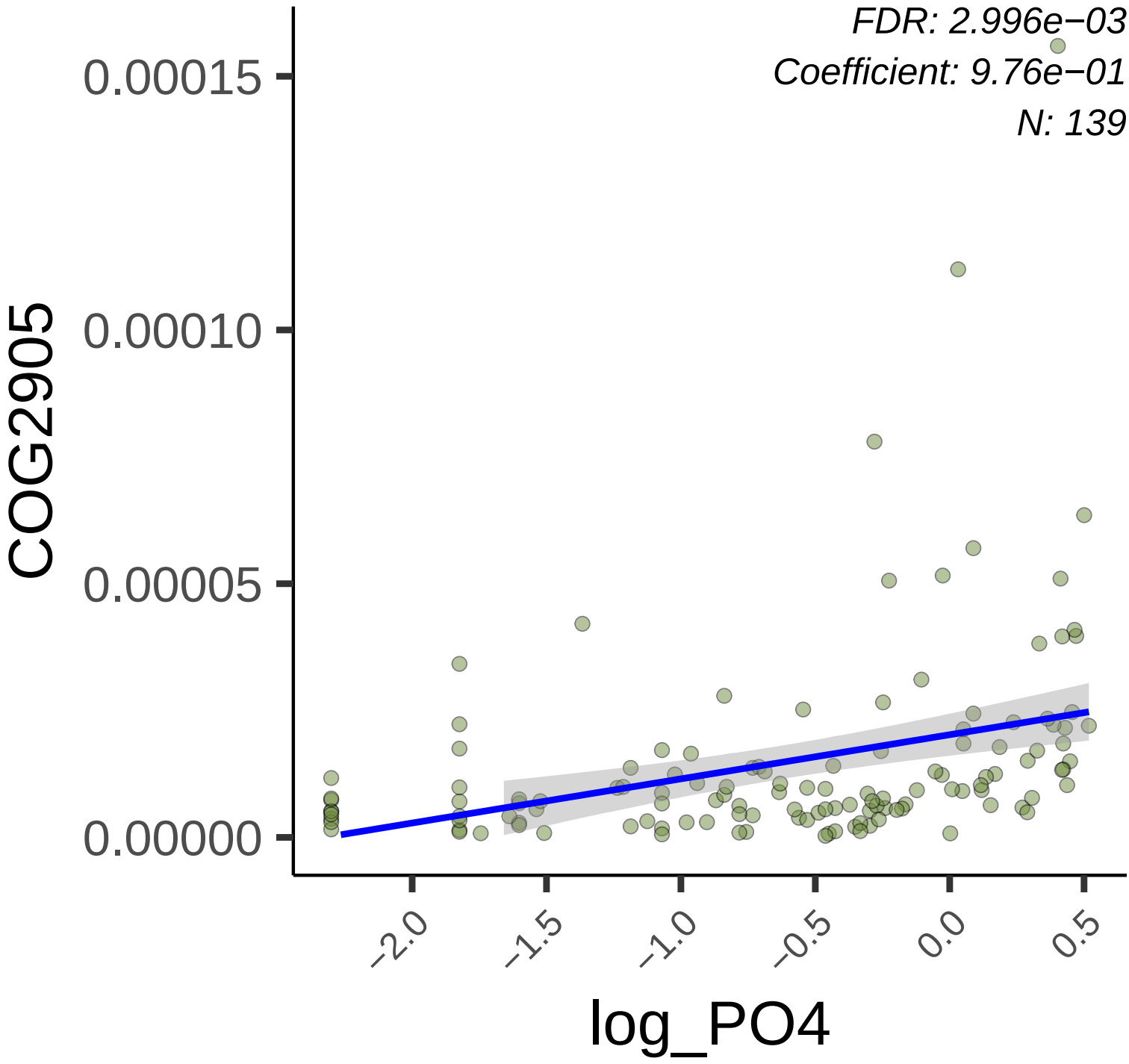
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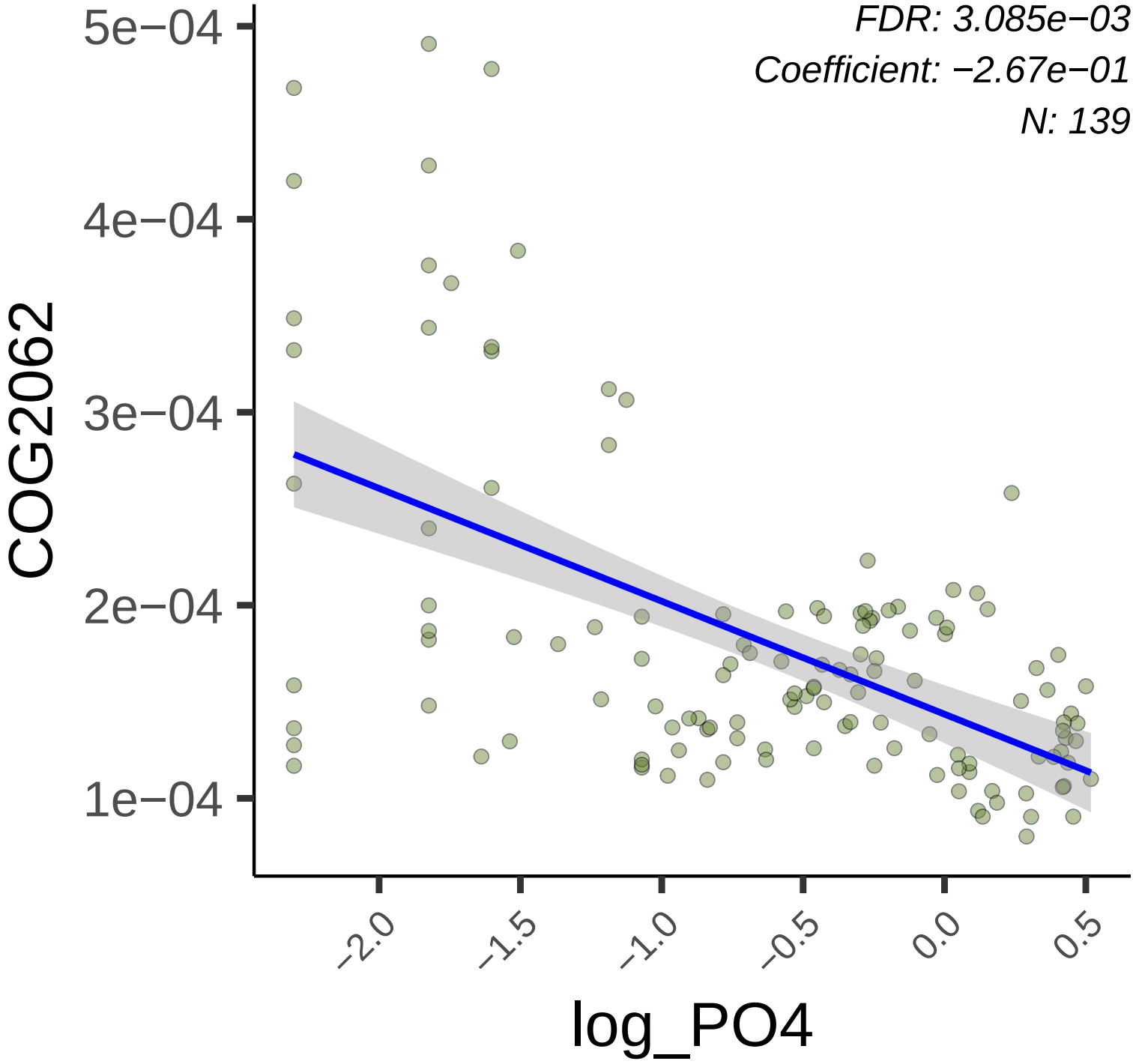
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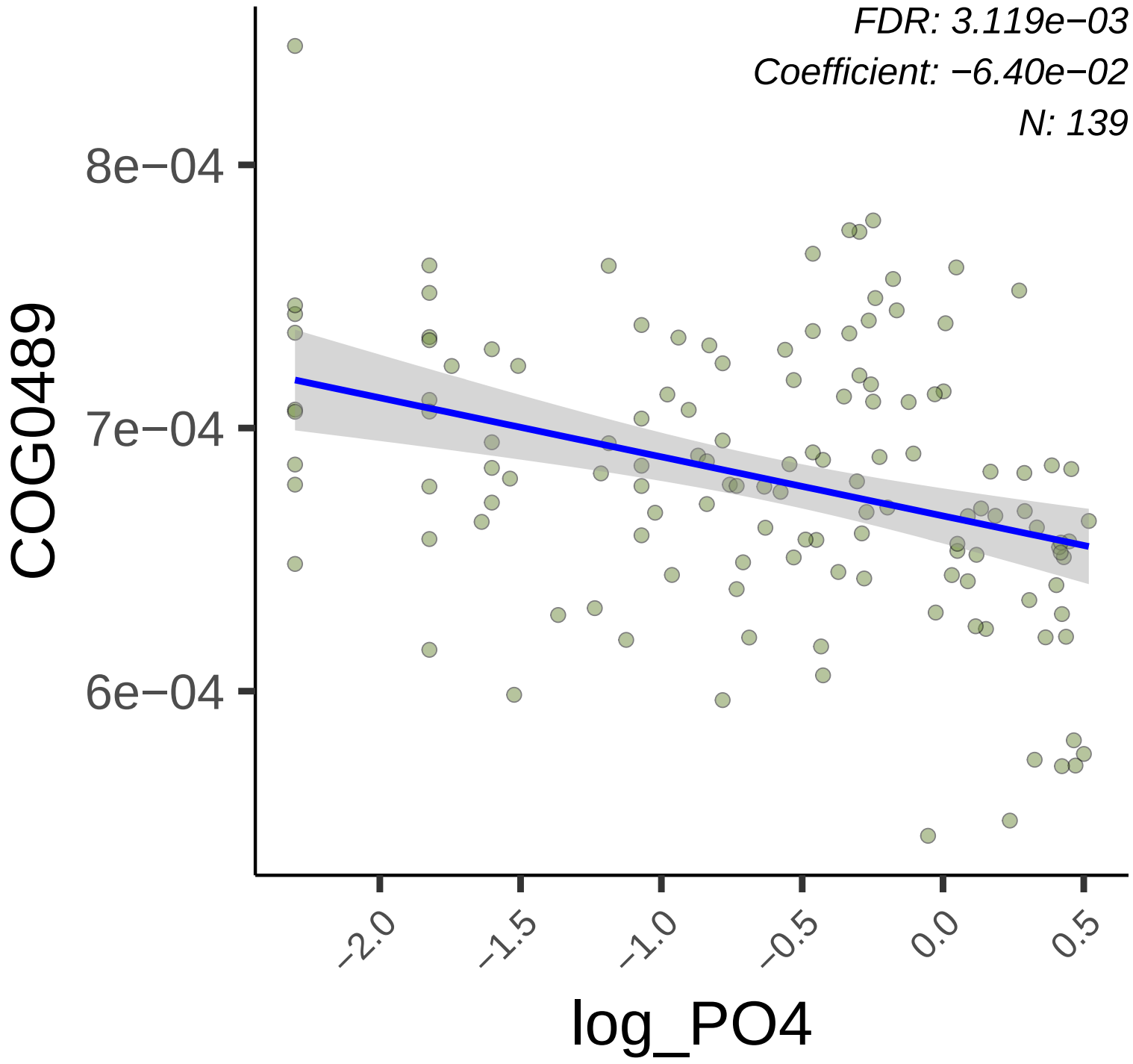
log_PO4


FDR: 3.119e−03
Coefficient: −6.40e−02
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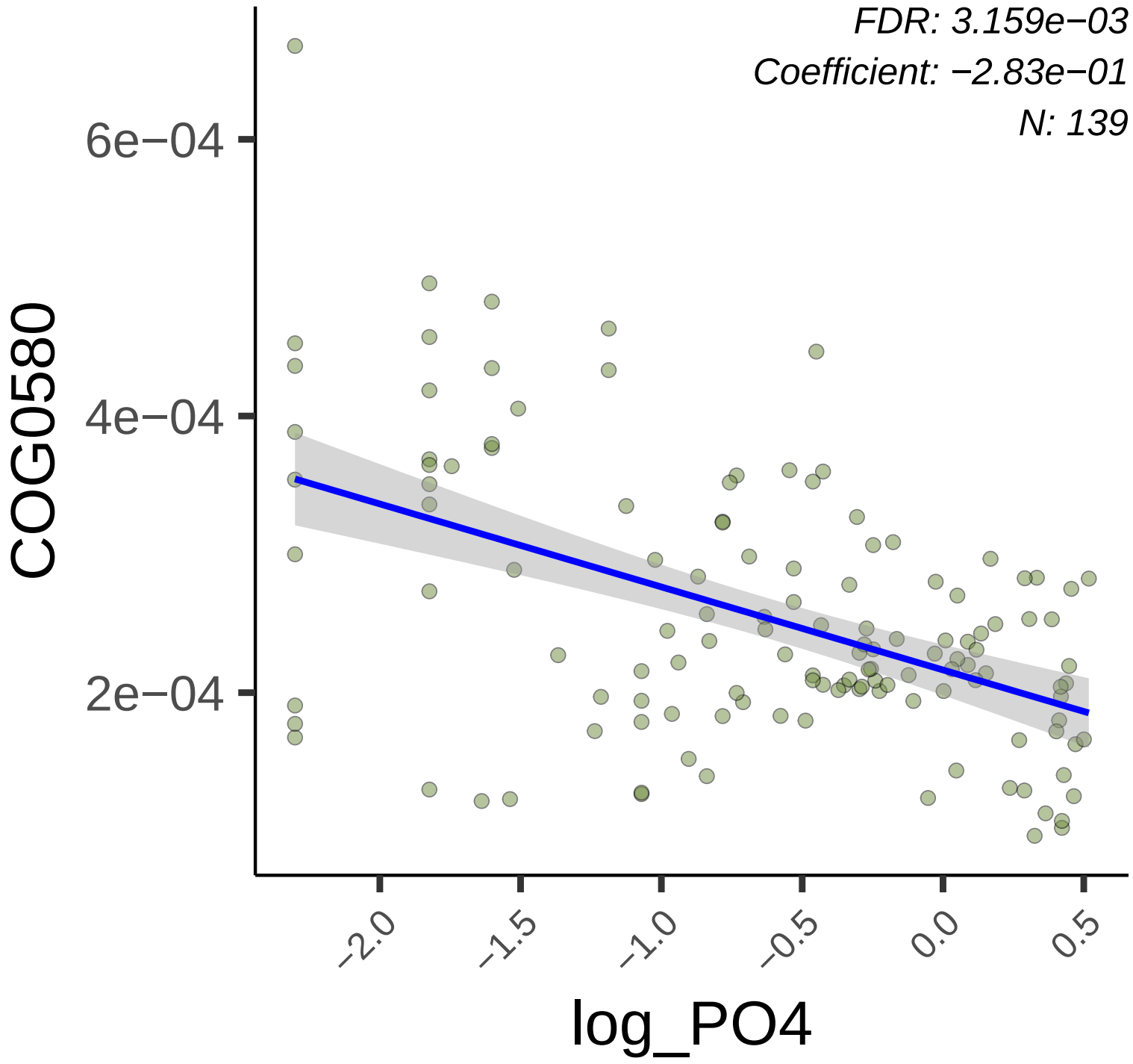
log_PO4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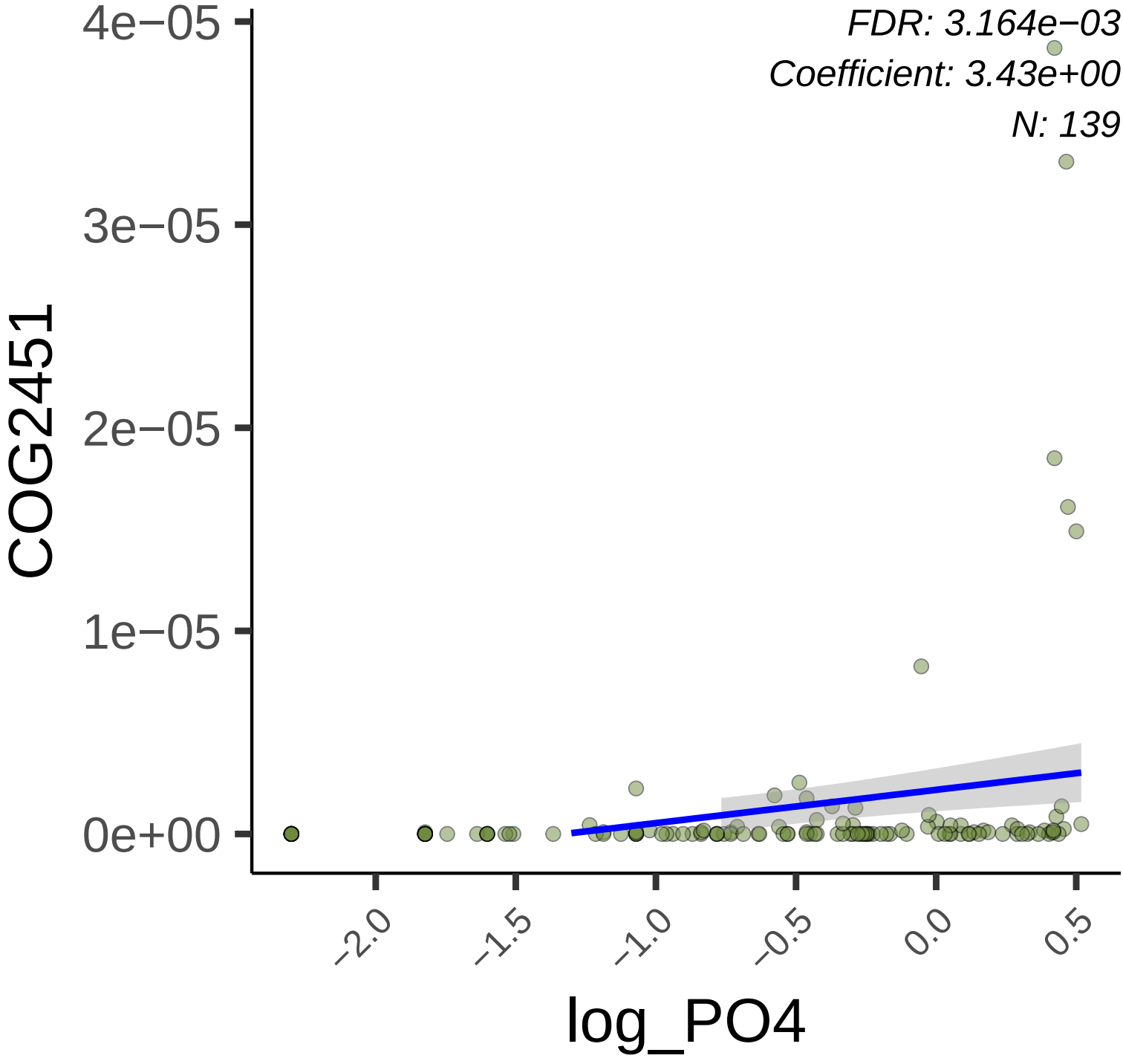
log_PO4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Coefficient: 3.43e+00
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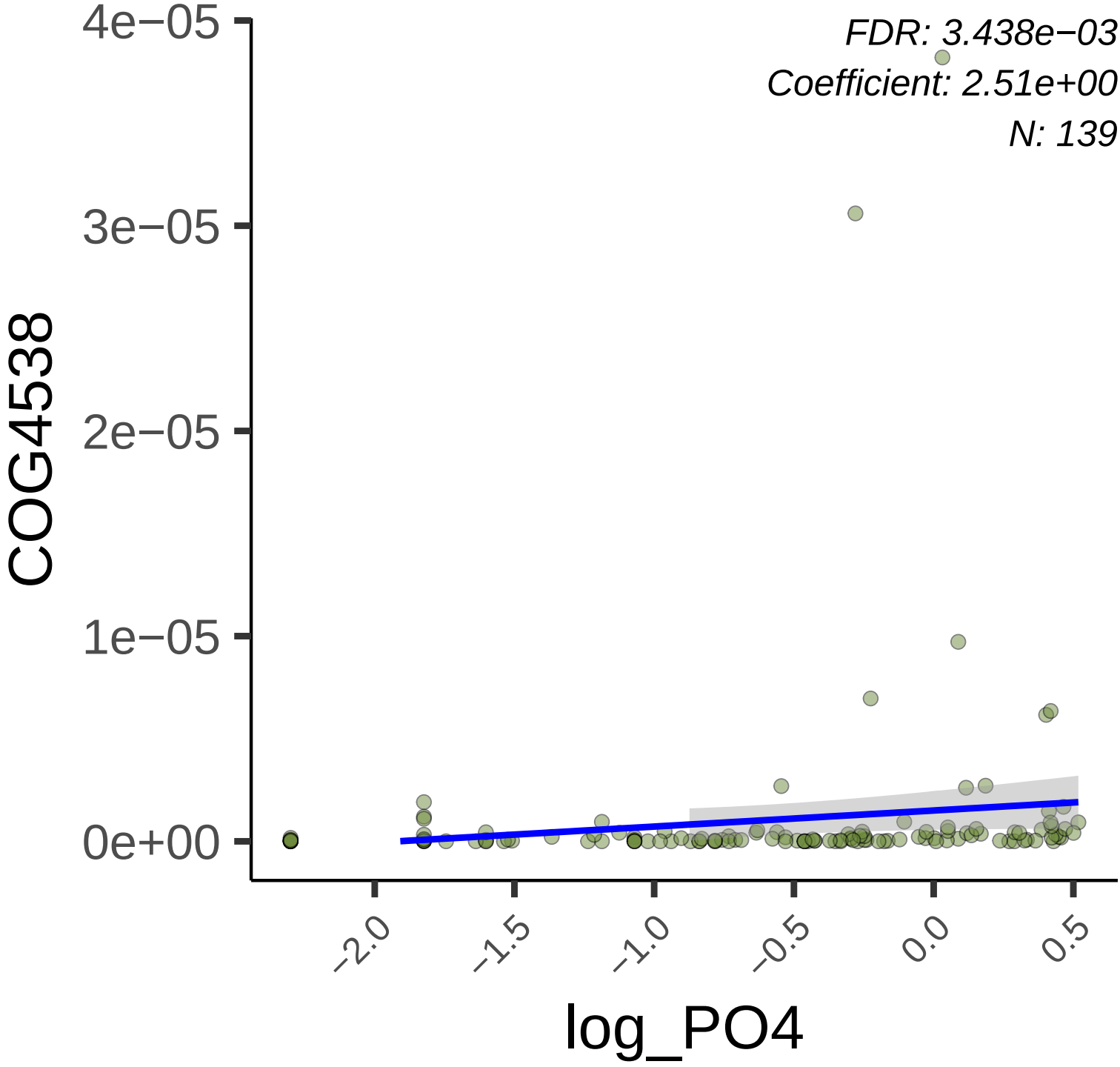
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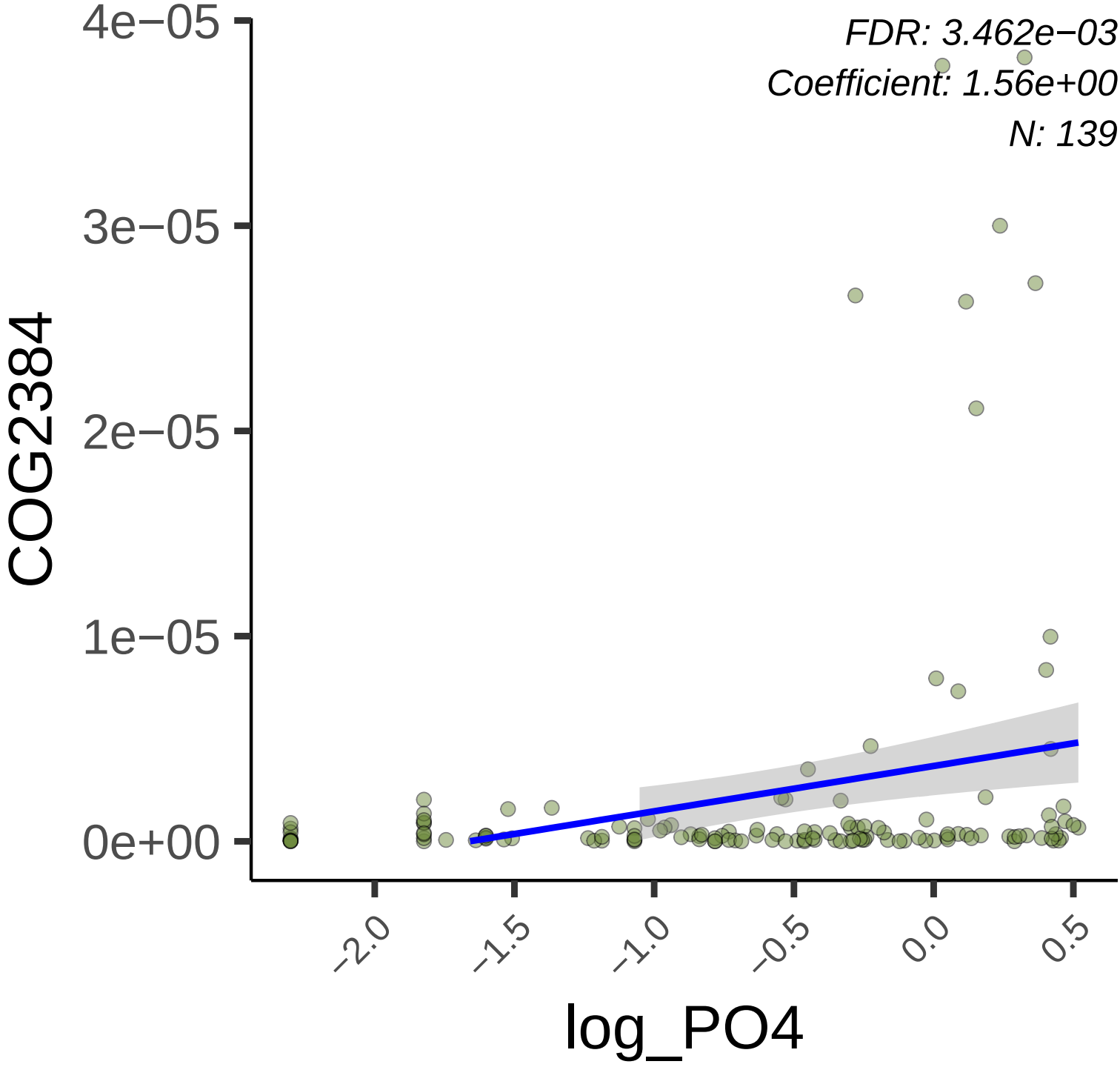
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Coefficient: 1.56e+00
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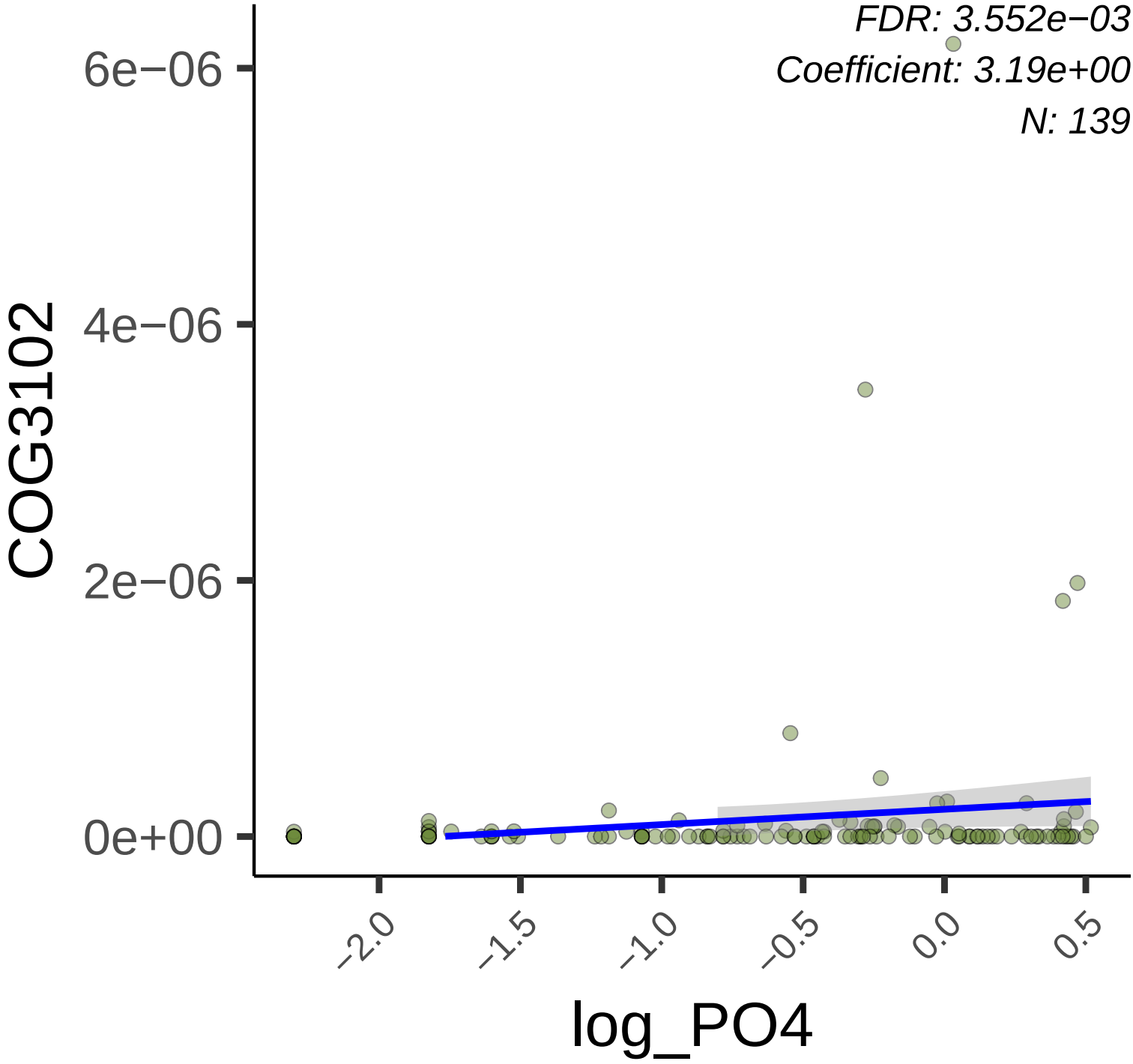
log_PO4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N: 139
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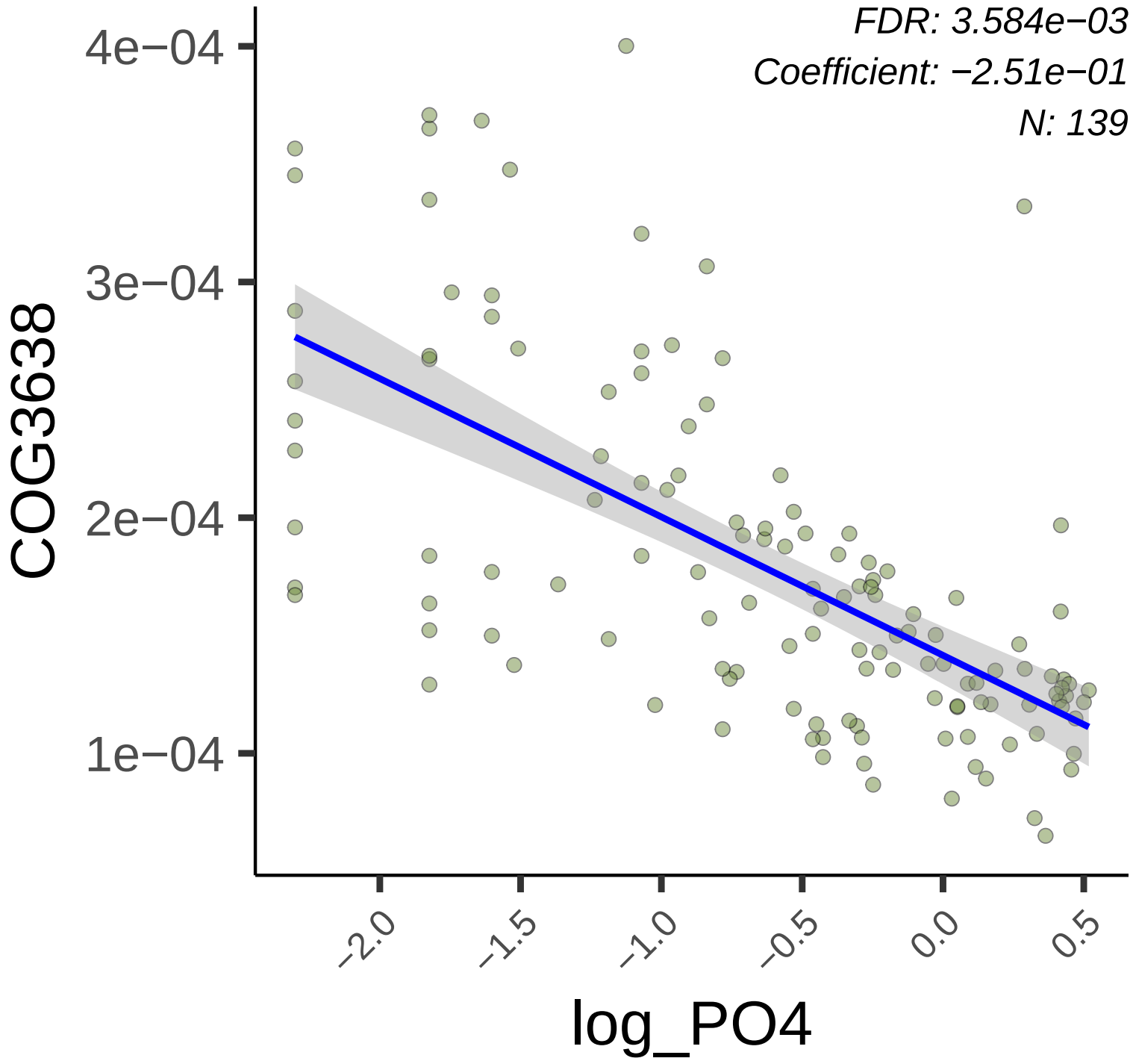
log_PO4


FDR: 3.584e−03
Coefficient: −2.51e−01
N: 139
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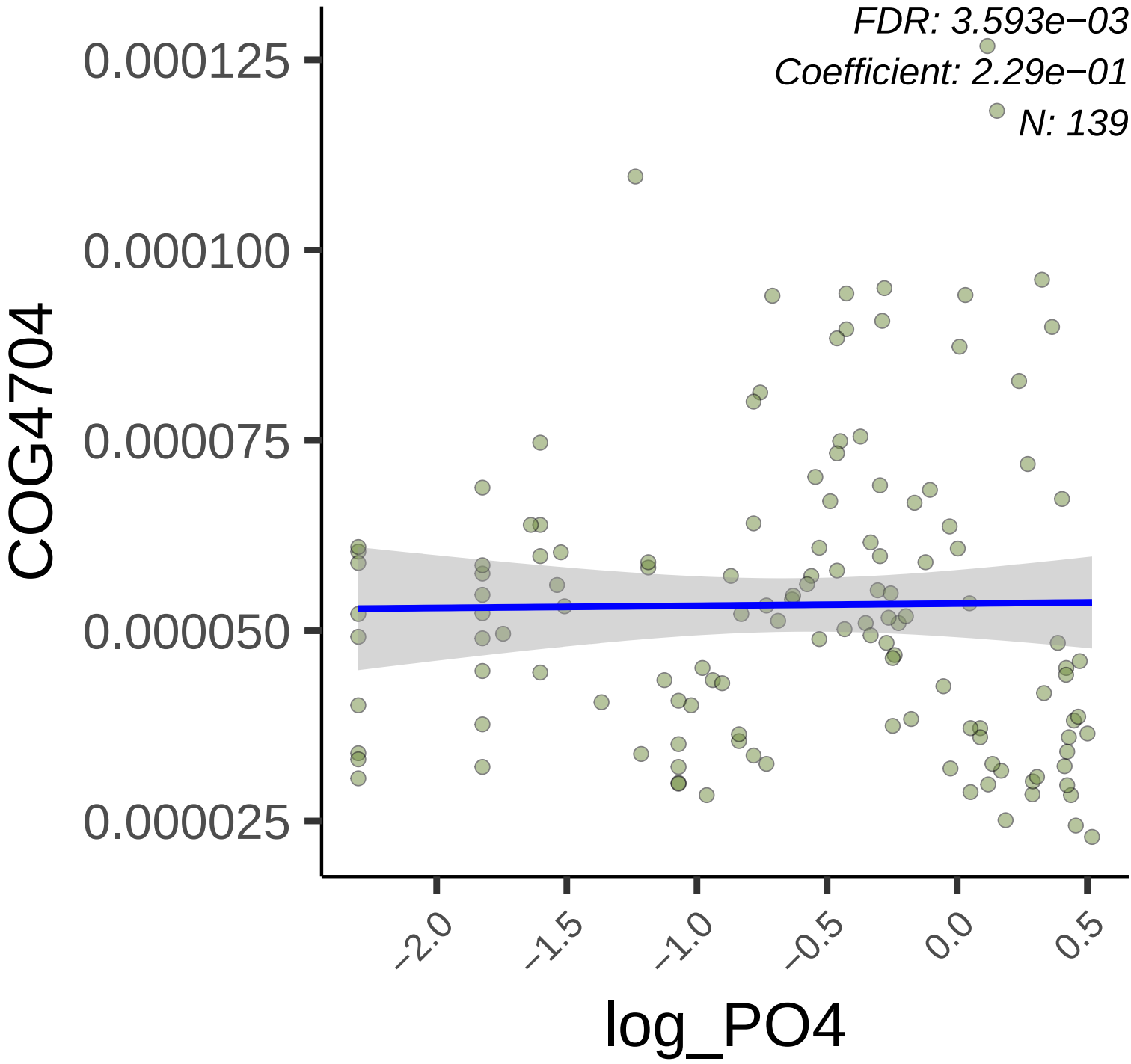
log_PO4


FDR: 3.593e−03
Coefficient: 2.29e−01
N: 139
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COG4704
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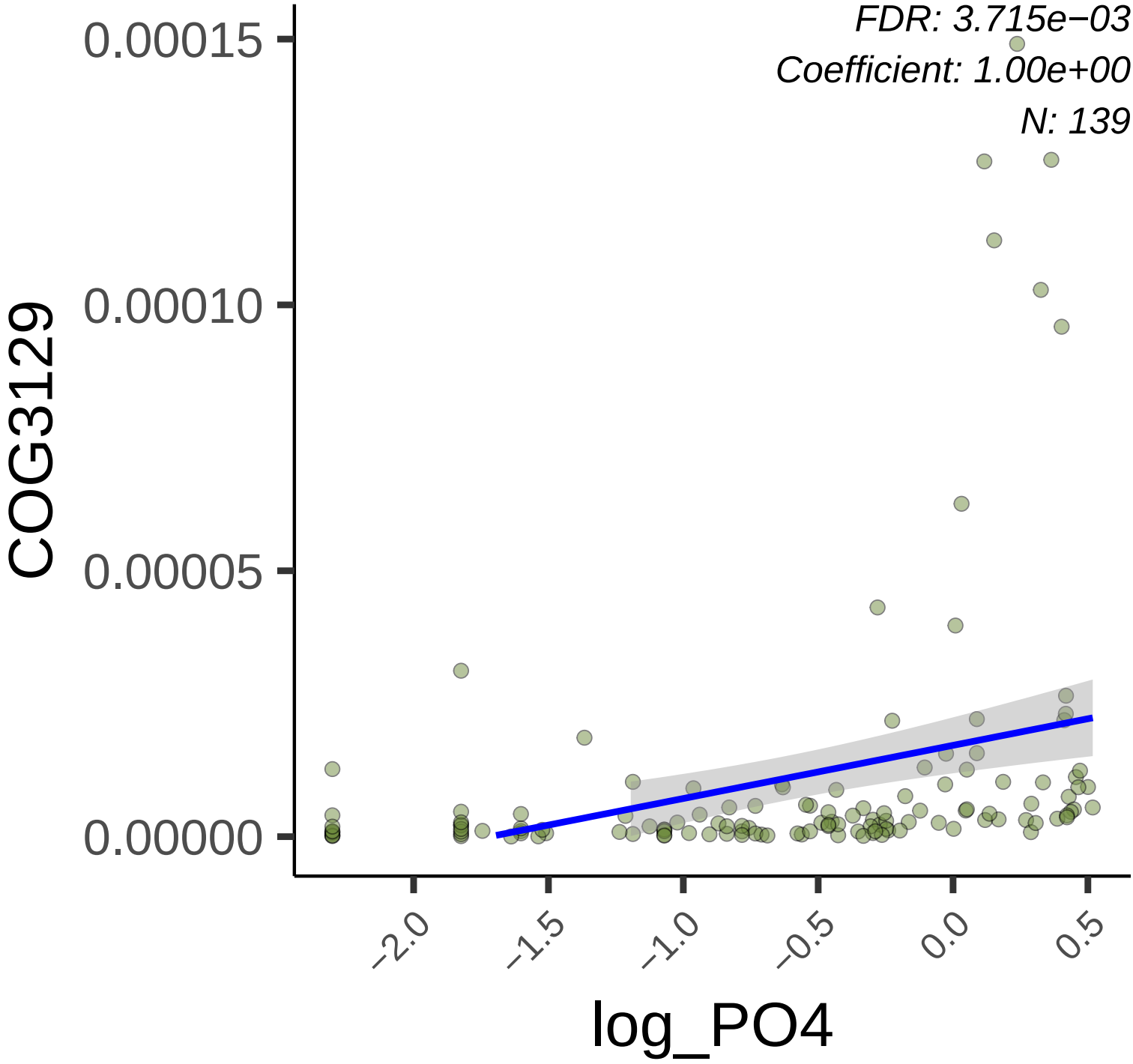
log_PO4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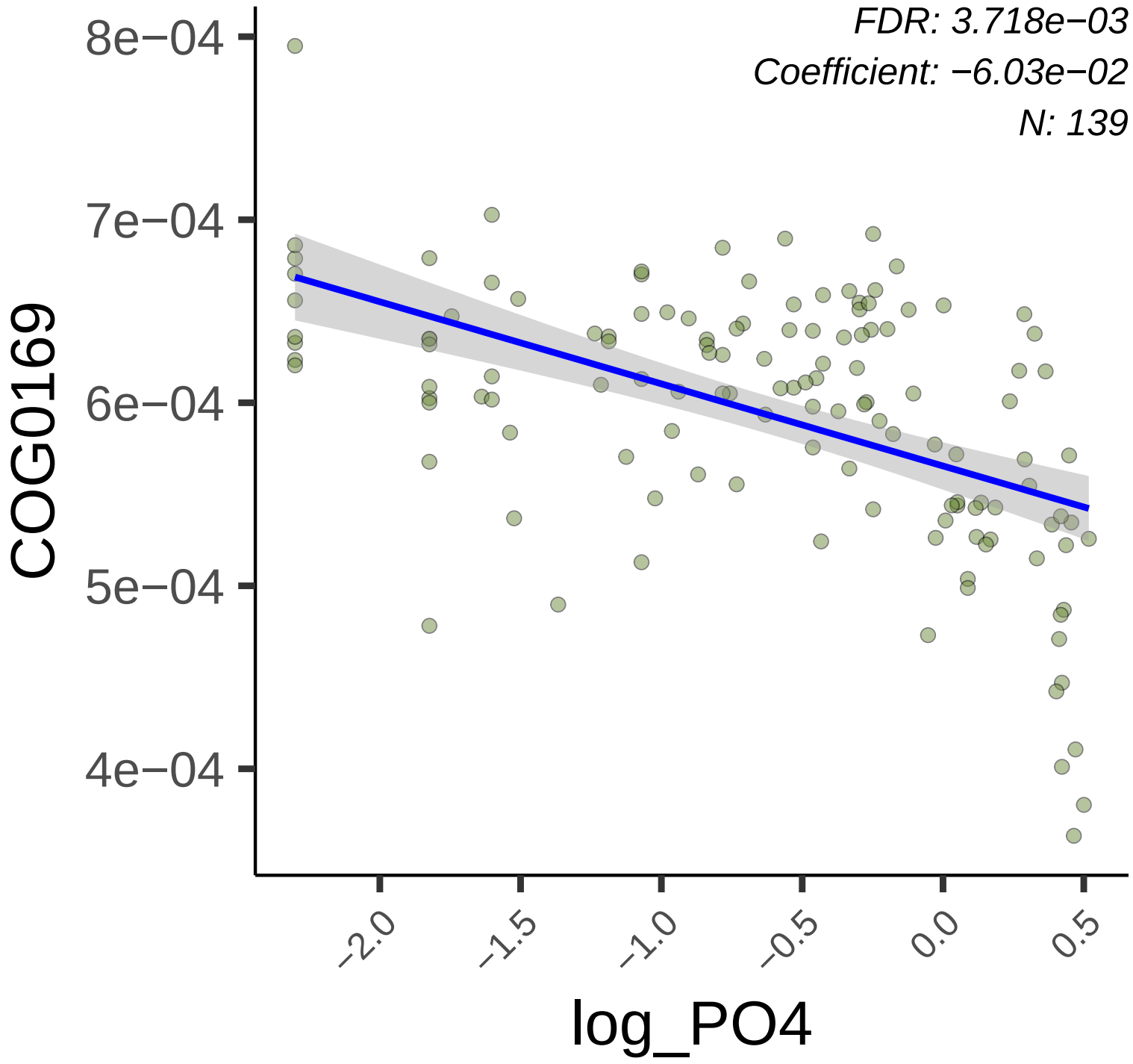
log_PO4


FDR: 3.718e−03
Coefficient: −6.03e−02
N: 139
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COG0169
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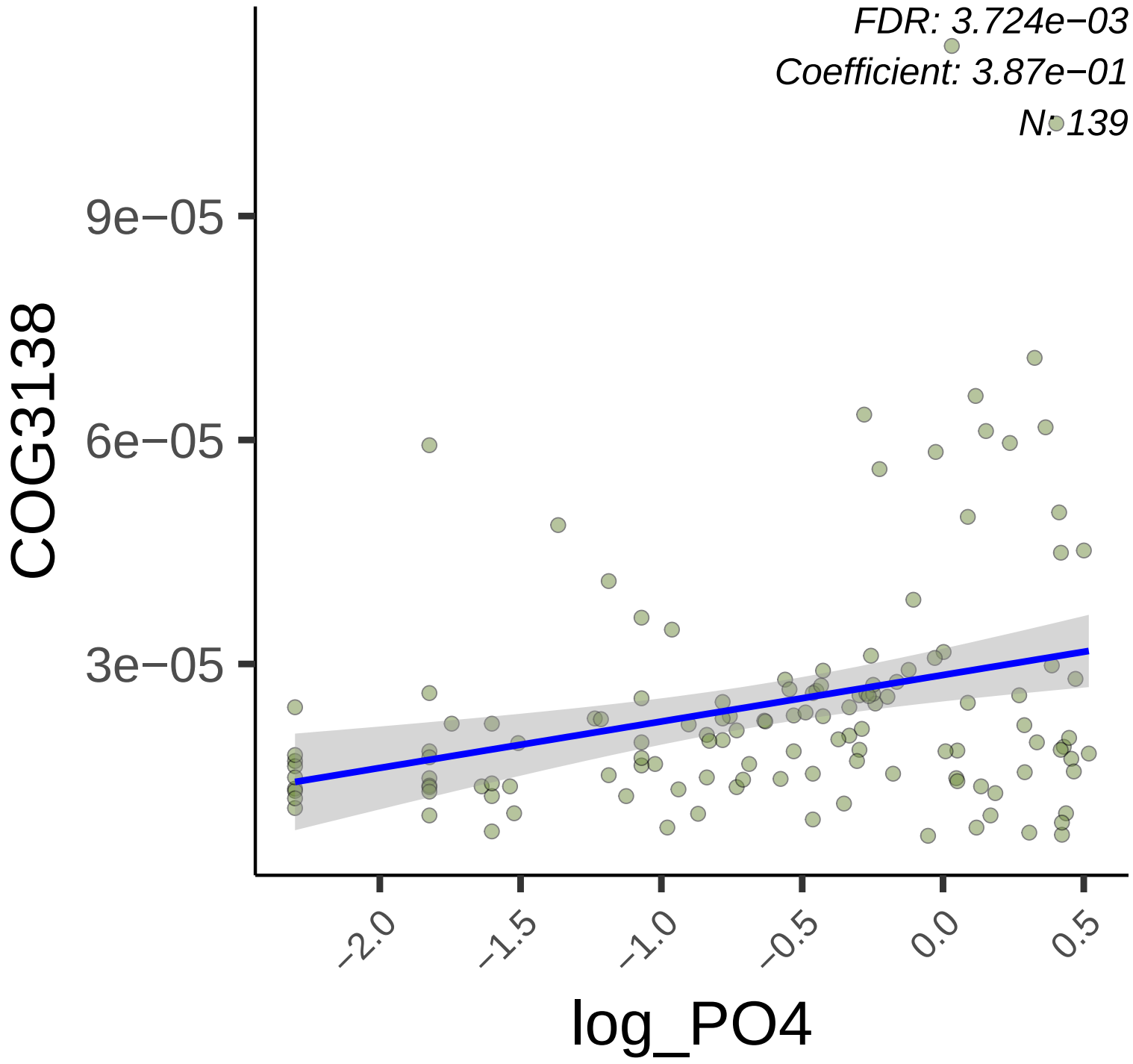
log_PO4


FDR: 3.724e−03
Coefficient: 3.87e−01
N: 139
COG3138
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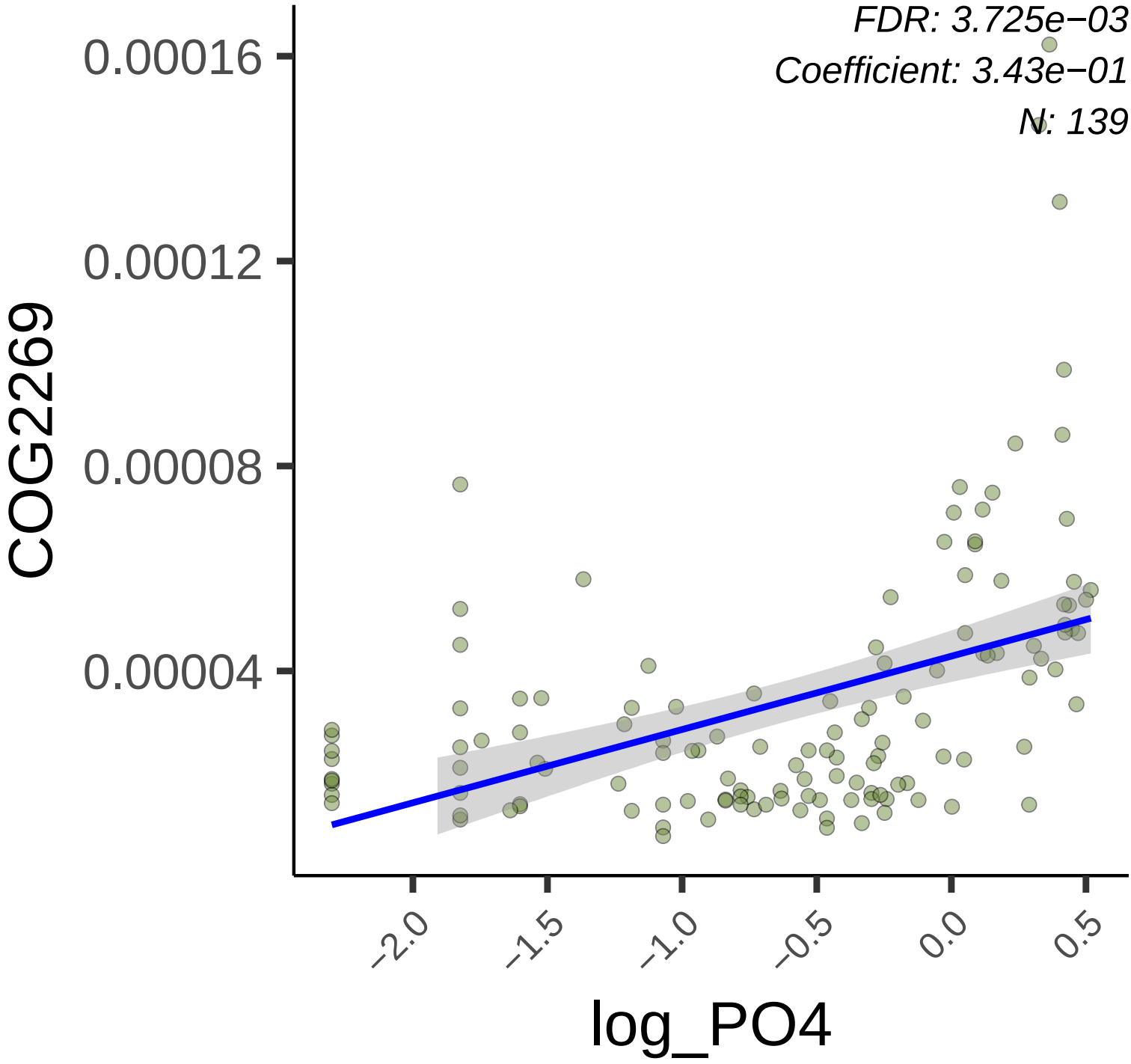
log_PO4


FDR: 3.725e−03
Coefficient: 3.43e−01
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COG2269
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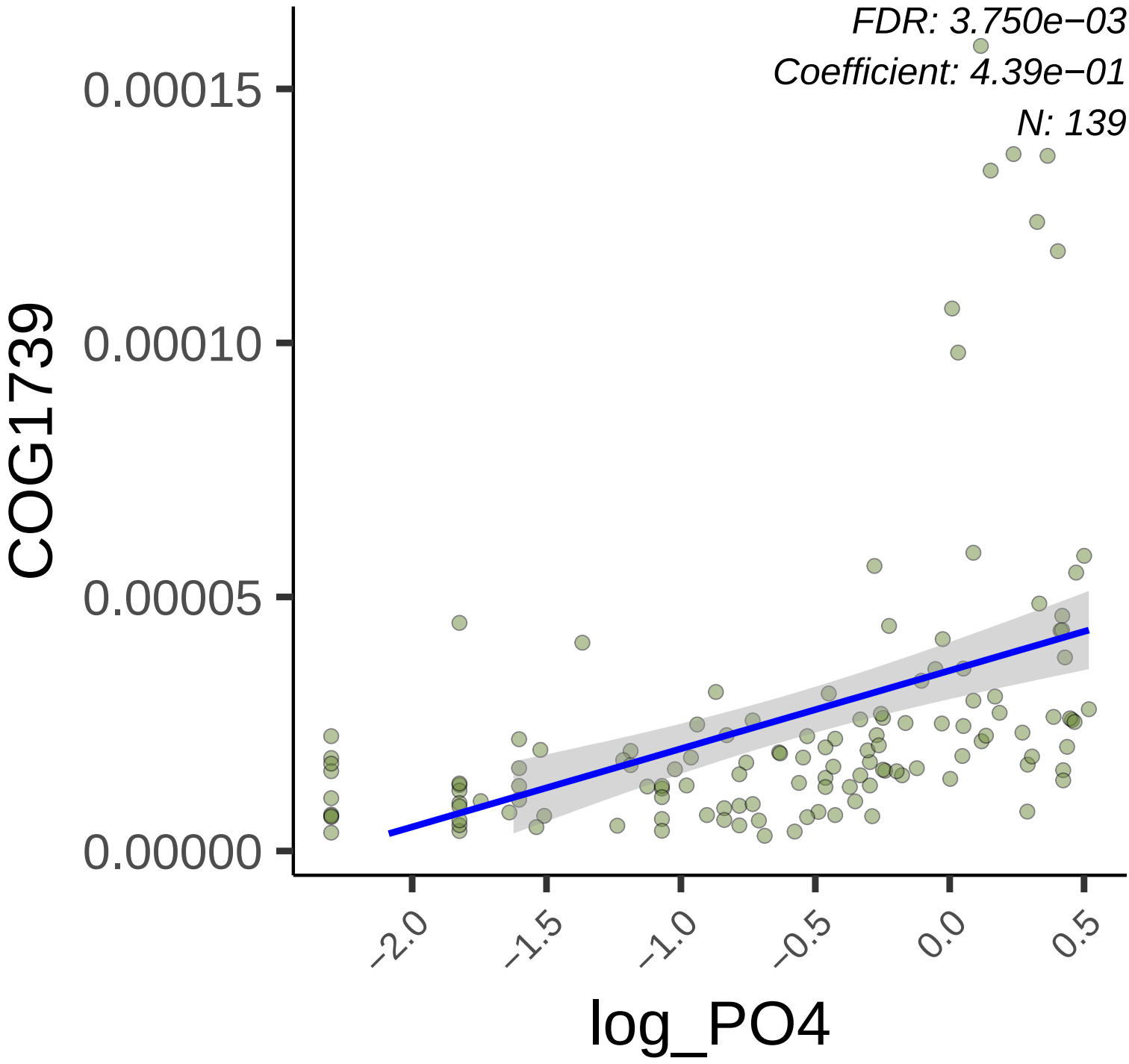
log_PO4


FDR: 3.750e−03
Coefficient: 4.39e−01
N: 139
COG1739
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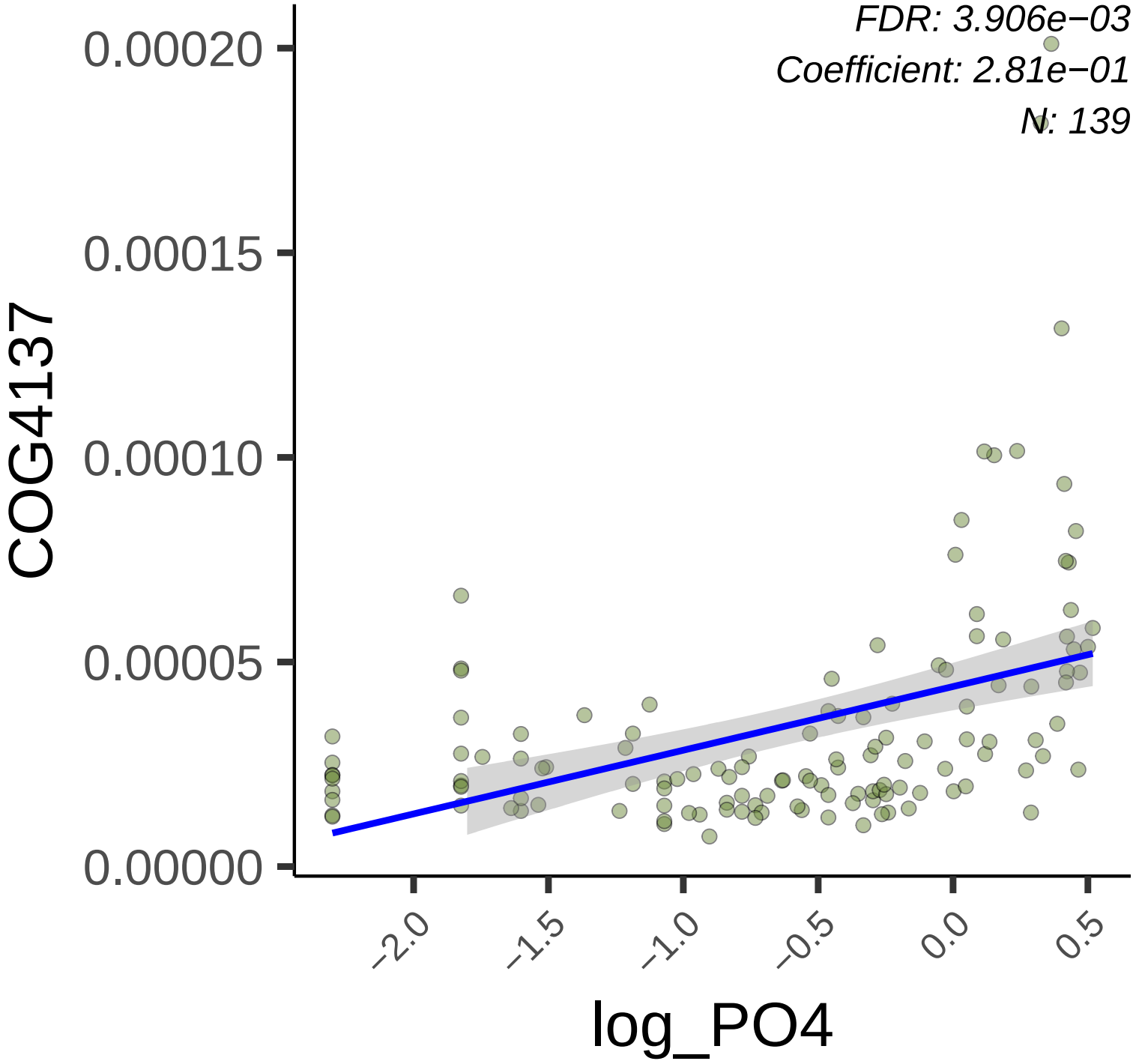
log_PO4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Coefficient: 2.81e−01
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COG4137
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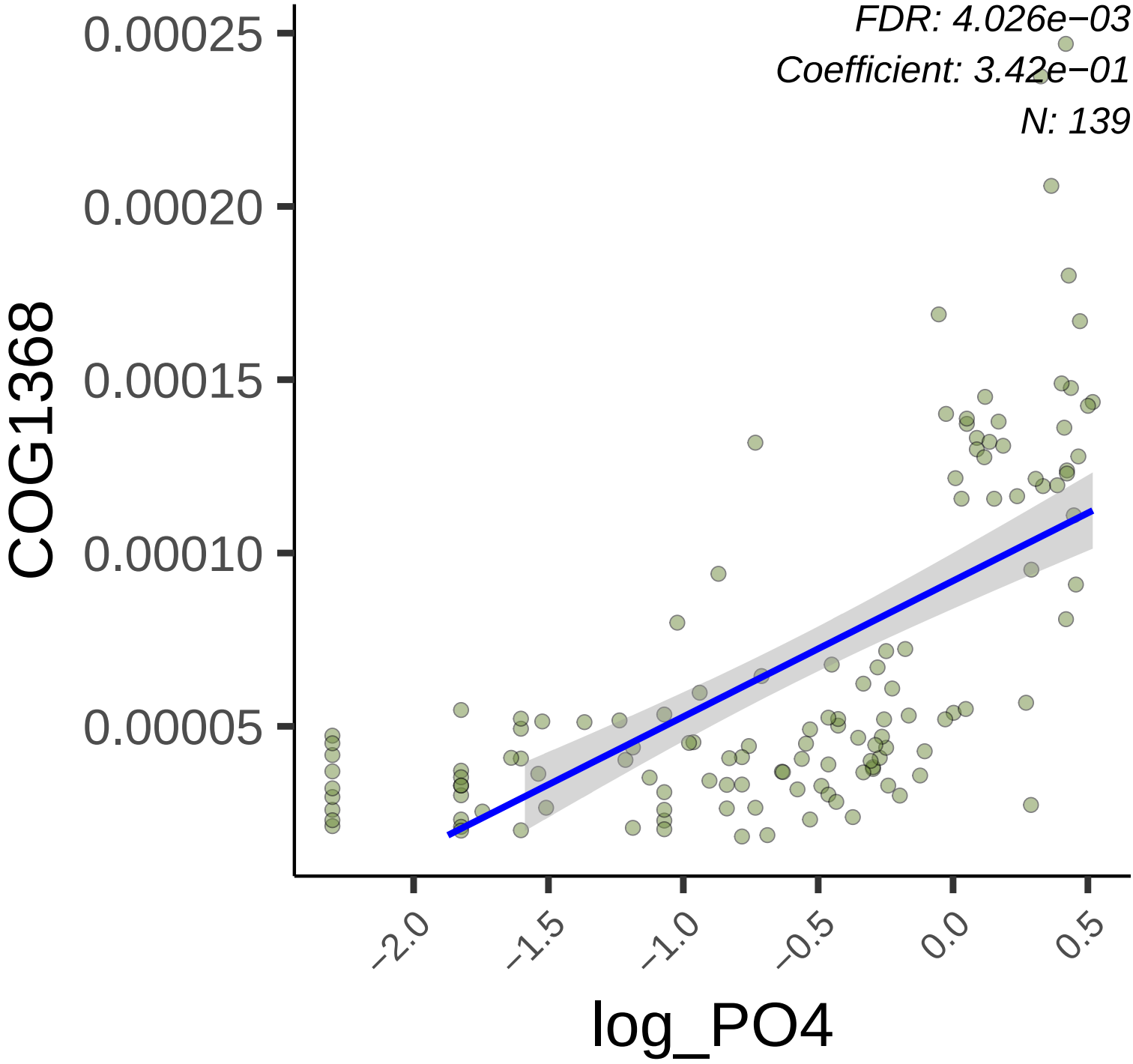
log_PO4


FDR: 4.026e−03
Coefficient: 3.42e−01
N: 139
COG1368
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0.00020
0.00015
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0.00005
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−1.5
−1.0
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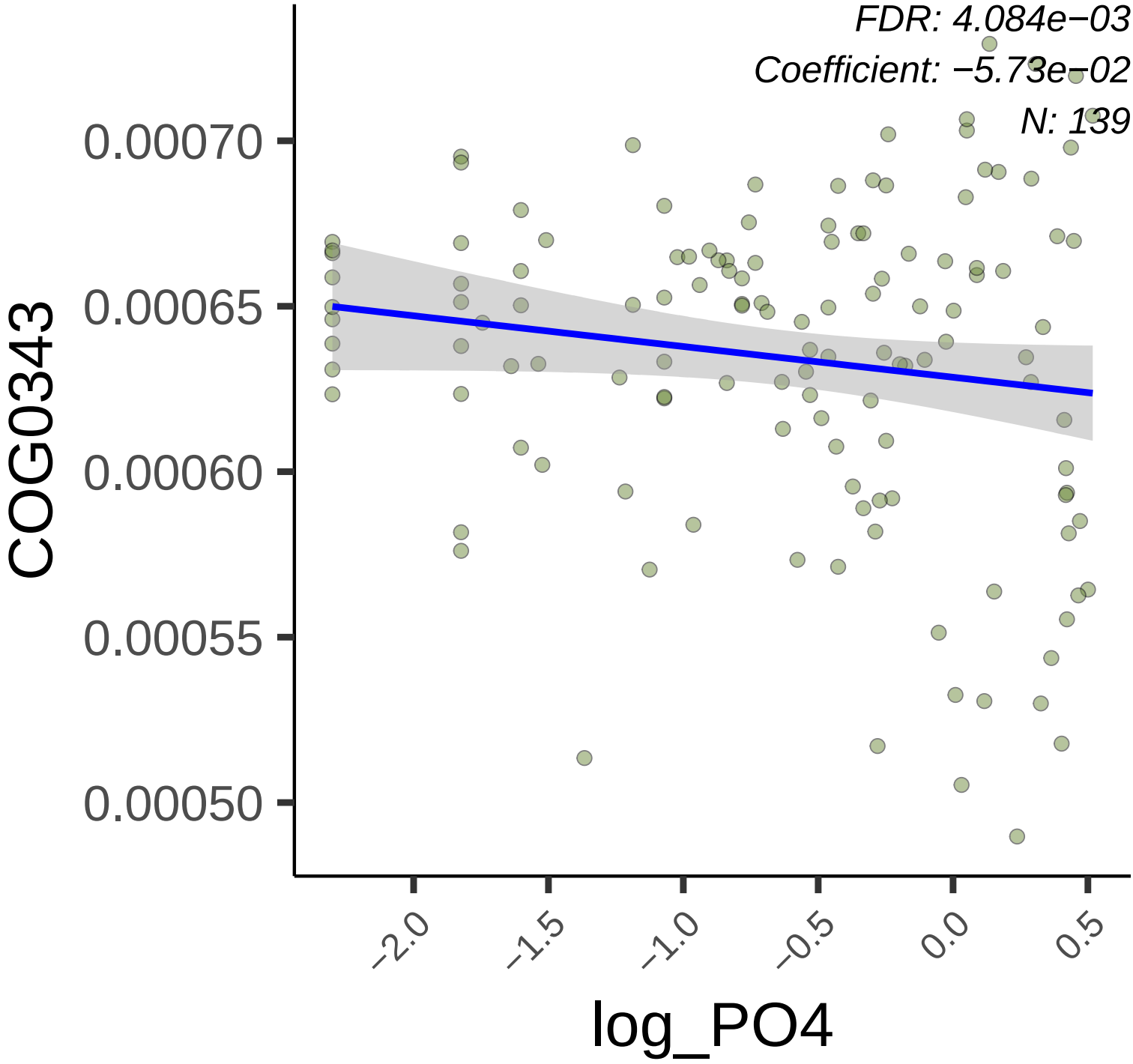
log_PO4


FDR: 4.084e−03
Coefficient: −5.73e−02
N: 139
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0.00060
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COG0343
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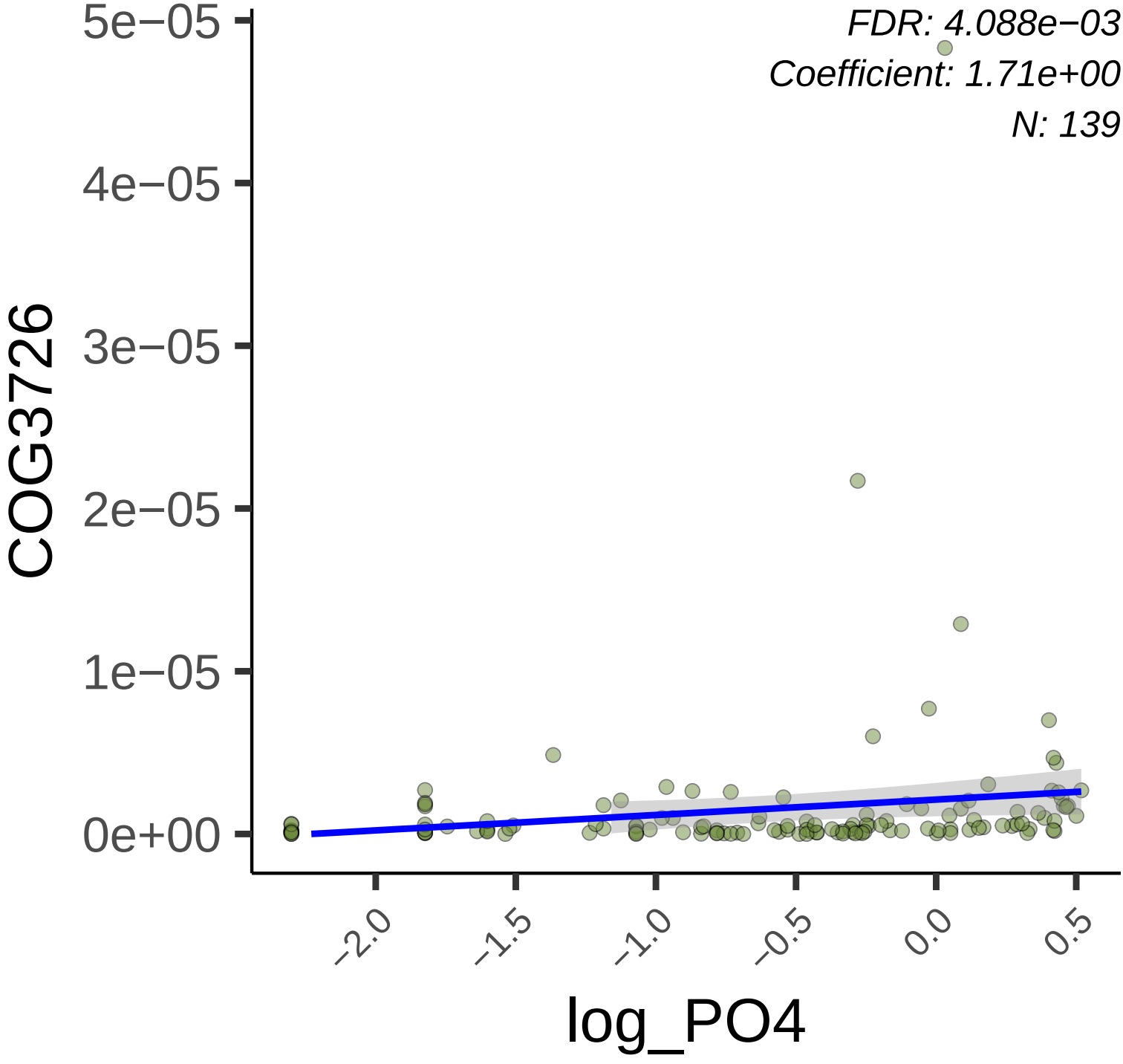
log_PO4


FDR: 4.088e−03
Coefficient: 1.71e+00
N: 139
COG3726
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3e−05
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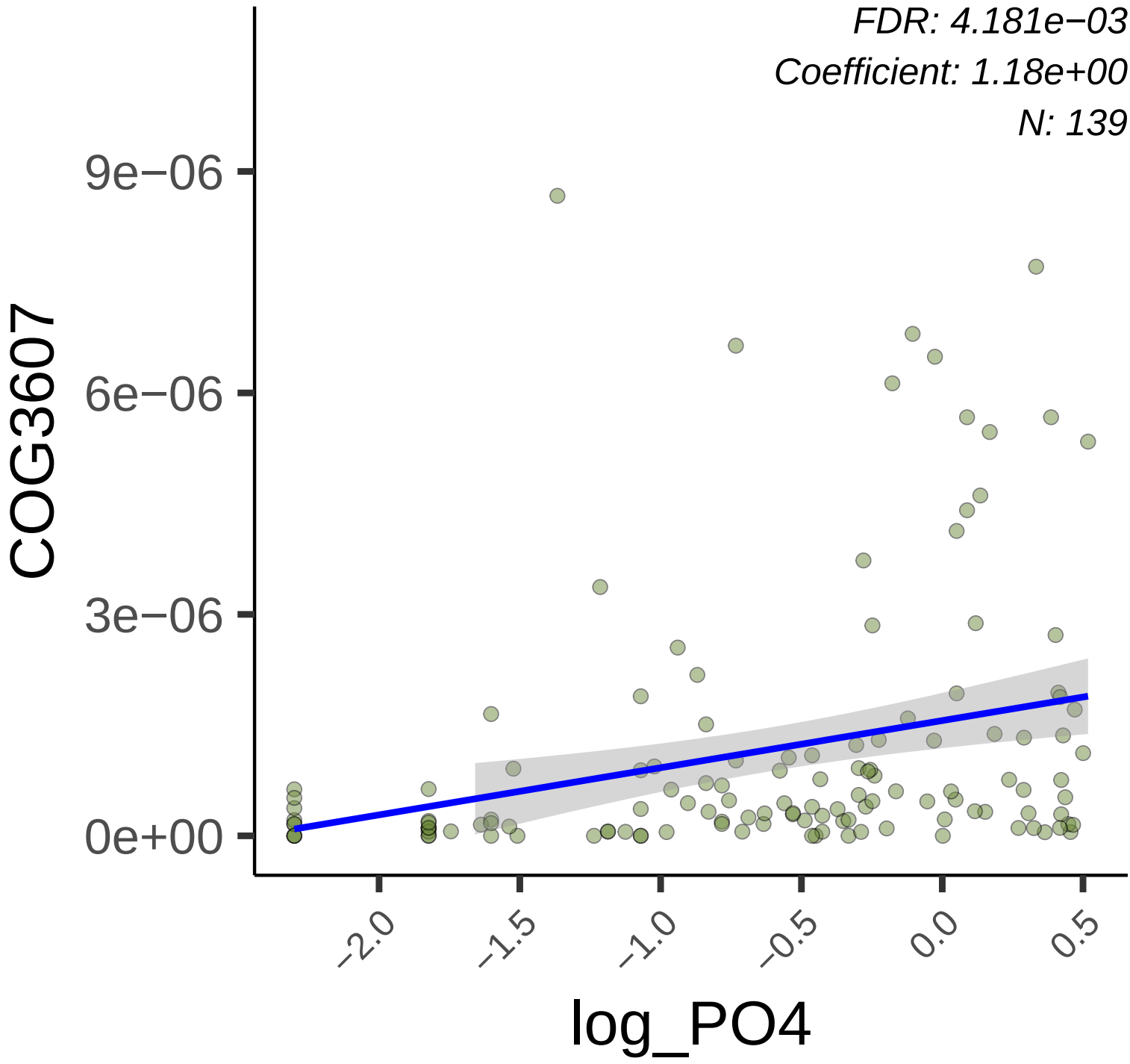
log_PO4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Coefficient: 1.18e+00
N: 139
COG3607
9e−06
6e−06
3e−06
0e+00
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−1.5
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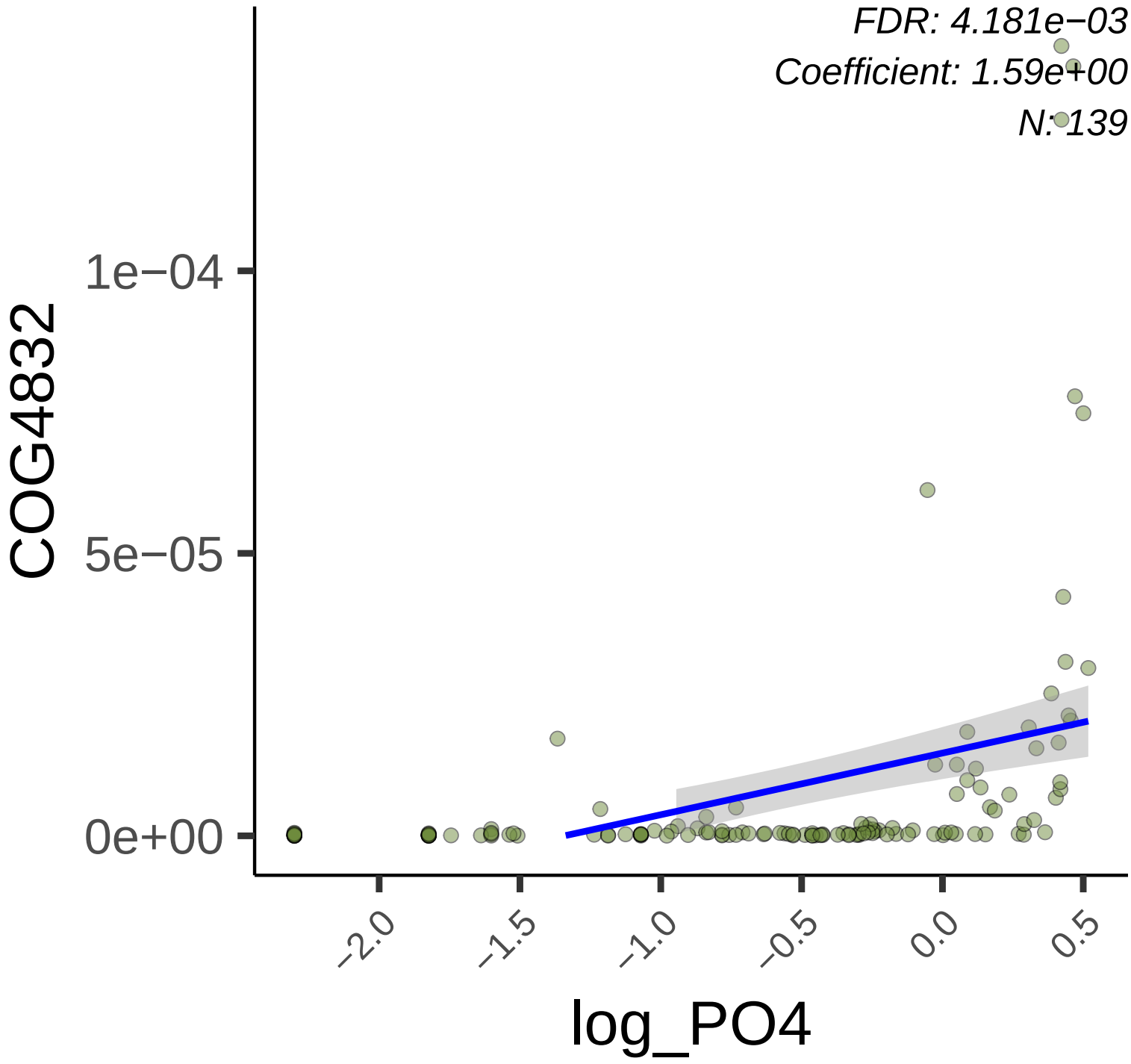
log_PO4


FDR: 4.181e−03
Coefficient: 1.59e+00
N: 139
COG4832
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0e+00
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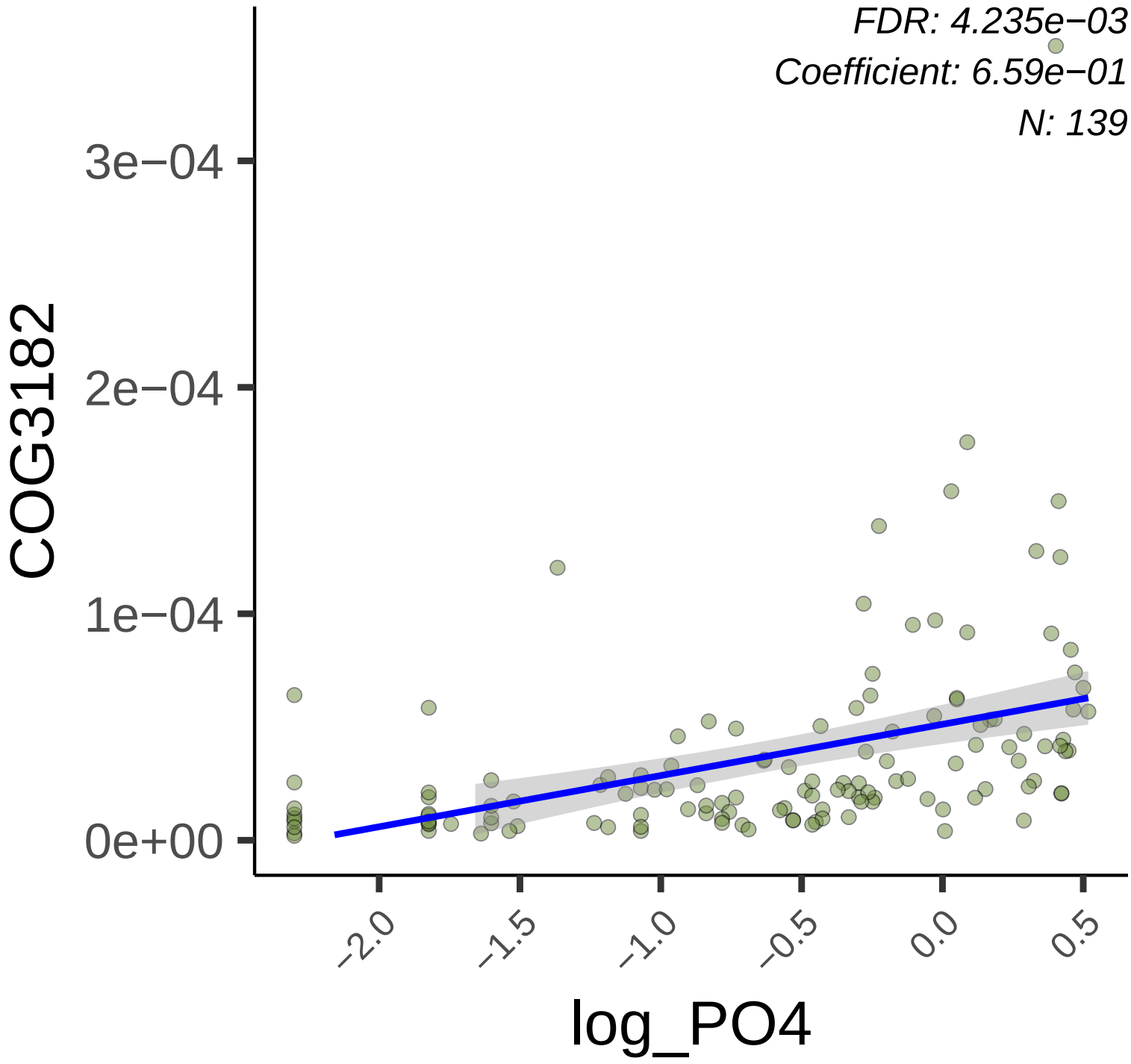
log_PO4


FDR: 4.235e−03
Coefficient: 6.59e−01
N: 139
COG3182
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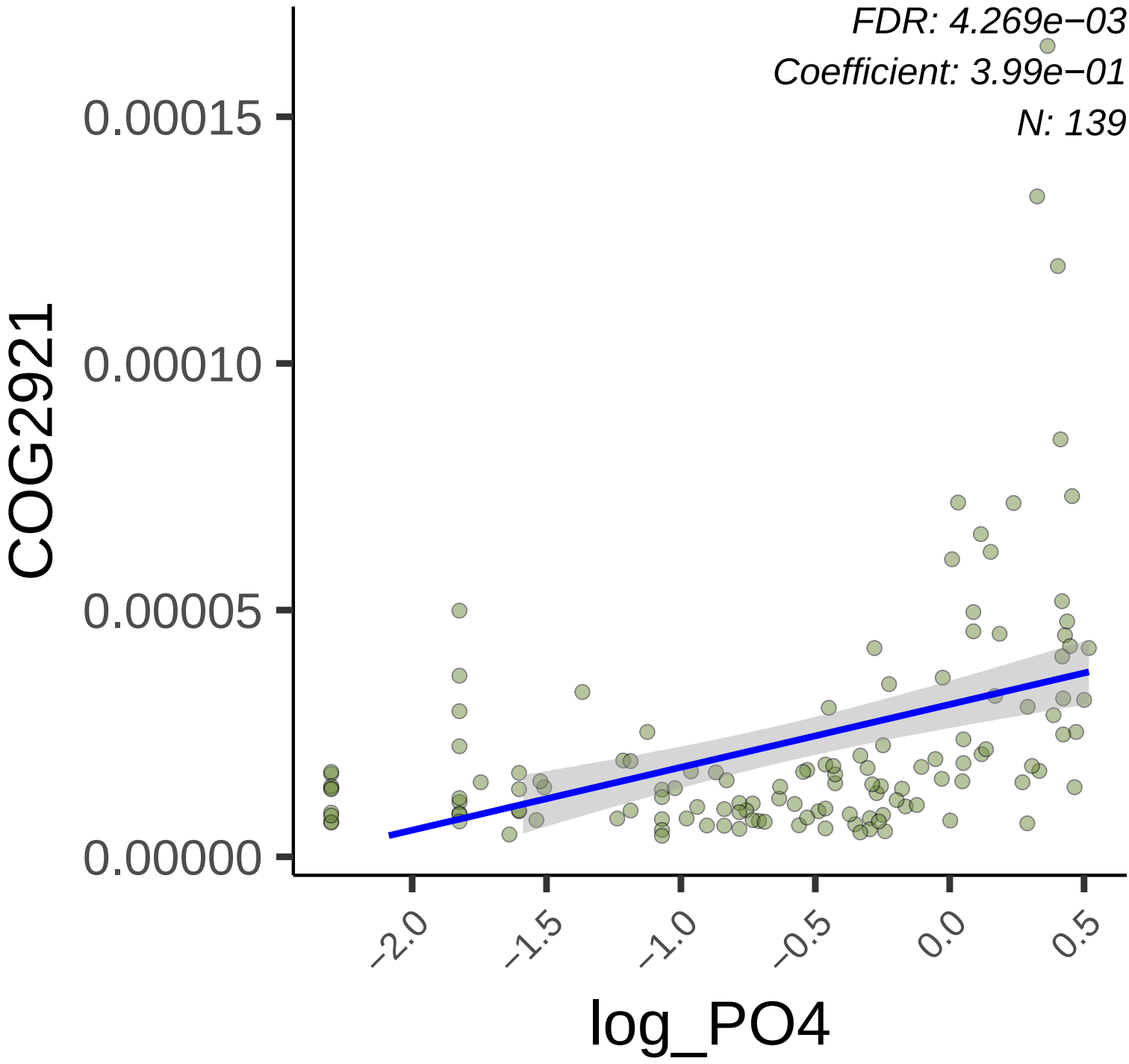
log_PO4


FDR: 4.269e−03
Coefficient: 3.99e−01
N: 139
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COG2921
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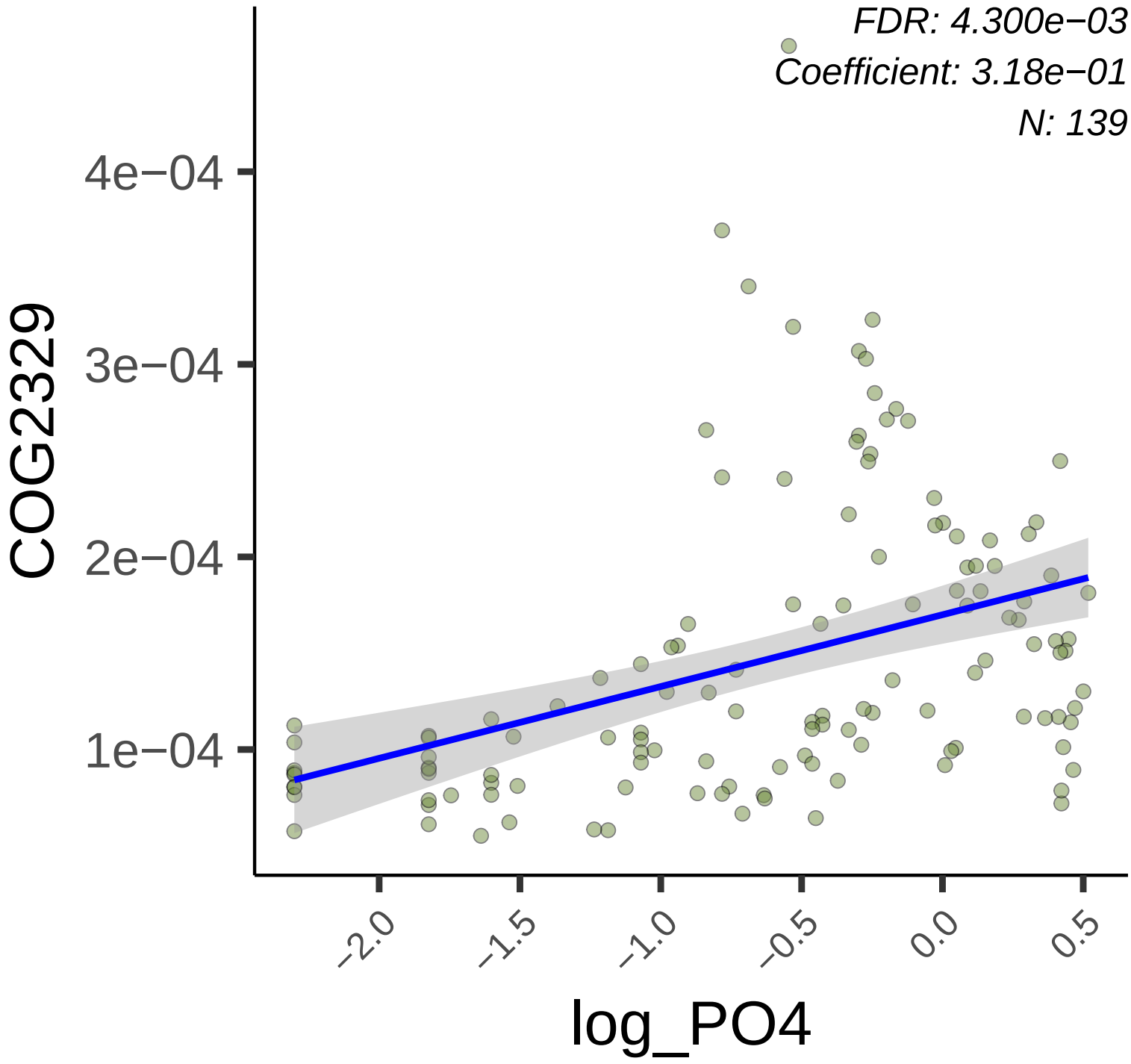
log_PO4


FDR: 4.300e−03
Coefficient: 3.18e−01
N: 139
COG2329
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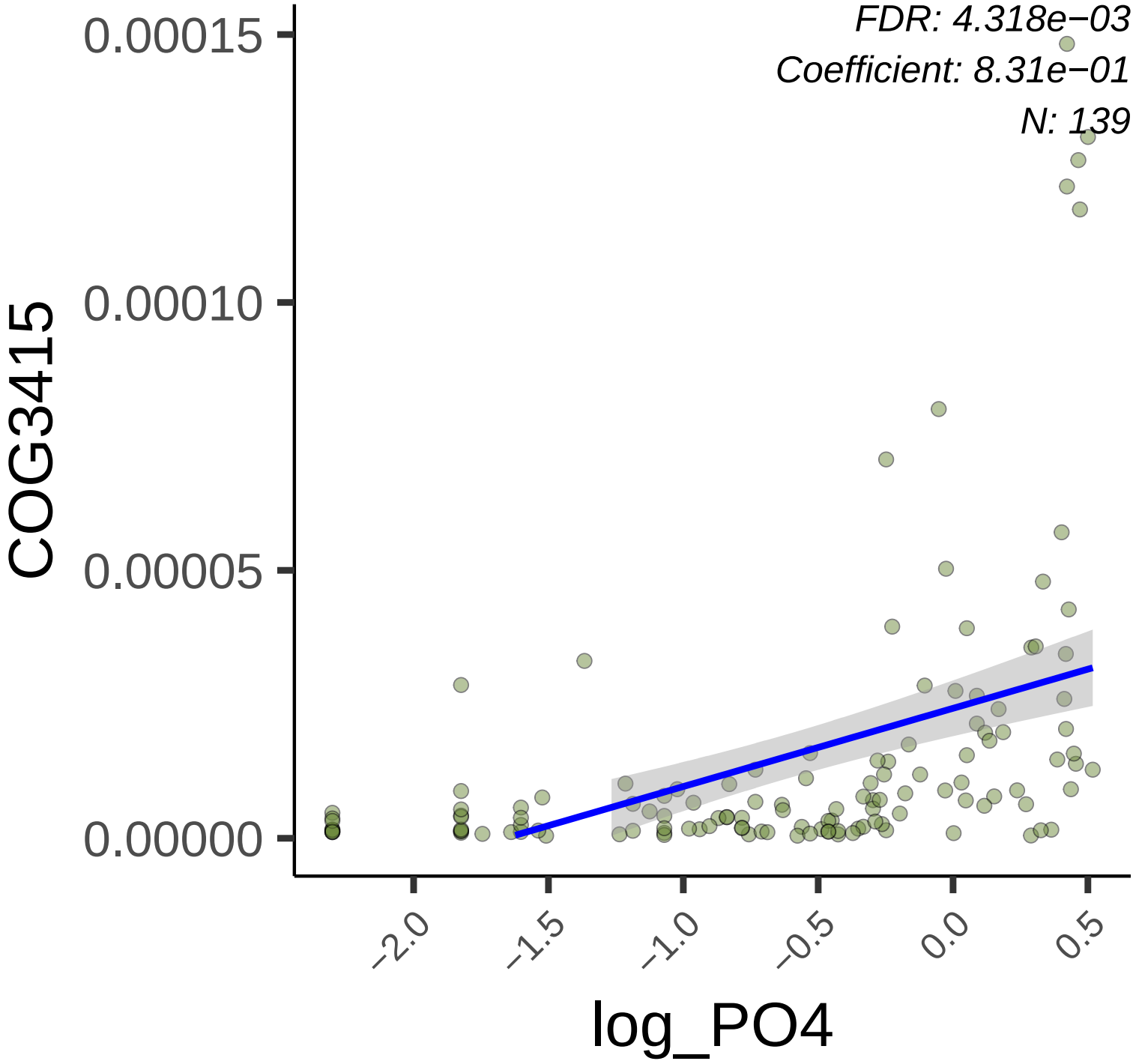
log_PO4


FDR: 4.318e−03
Coefficient: 8.31e−01
N: 139
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COG3415
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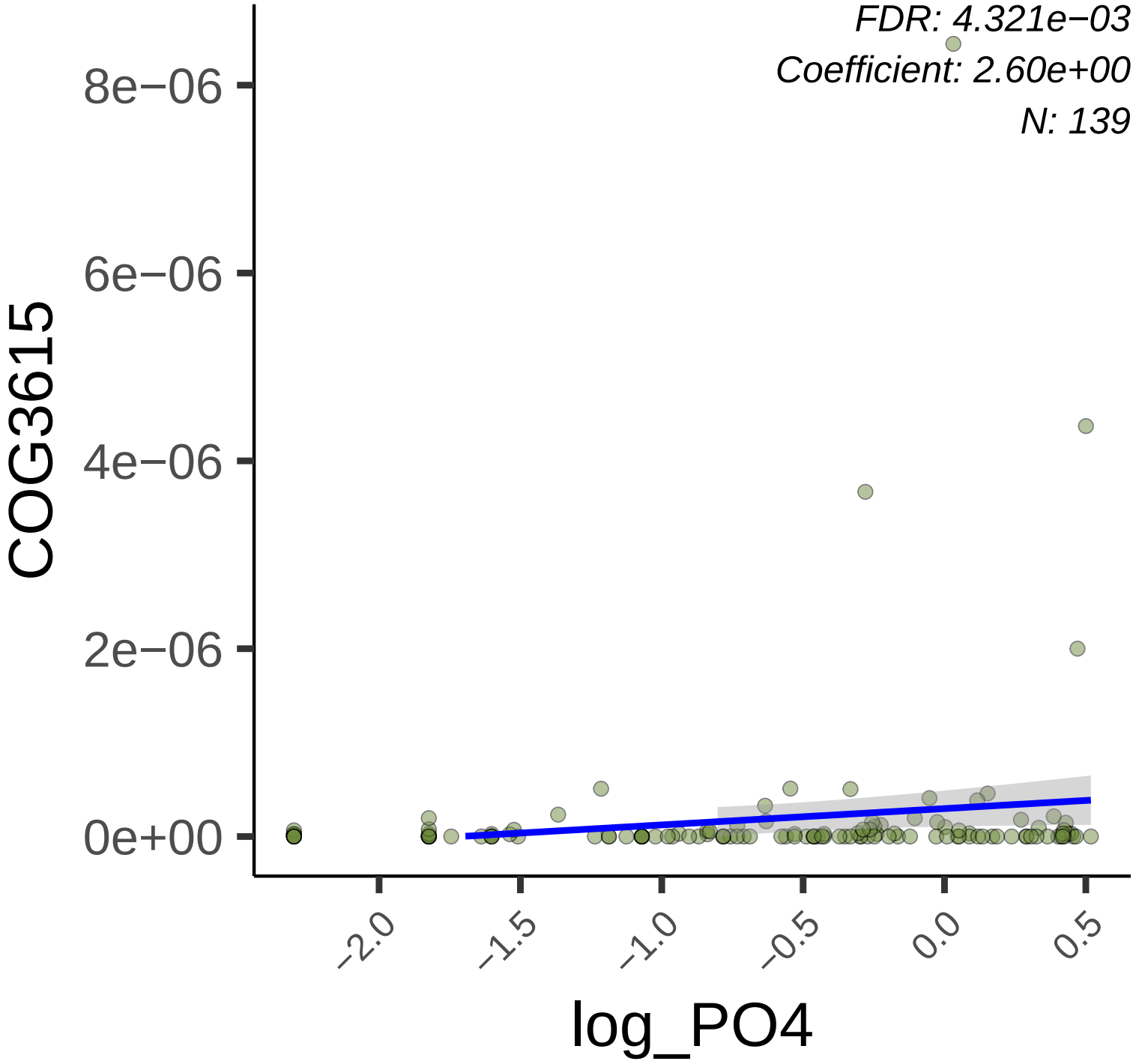
log_PO4


FDR: 4.321e−03
Coefficient: 2.60e+00
N: 139
COG3615
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6e−06
4e−06
2e−06
0e+00
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−1.5
−1.0
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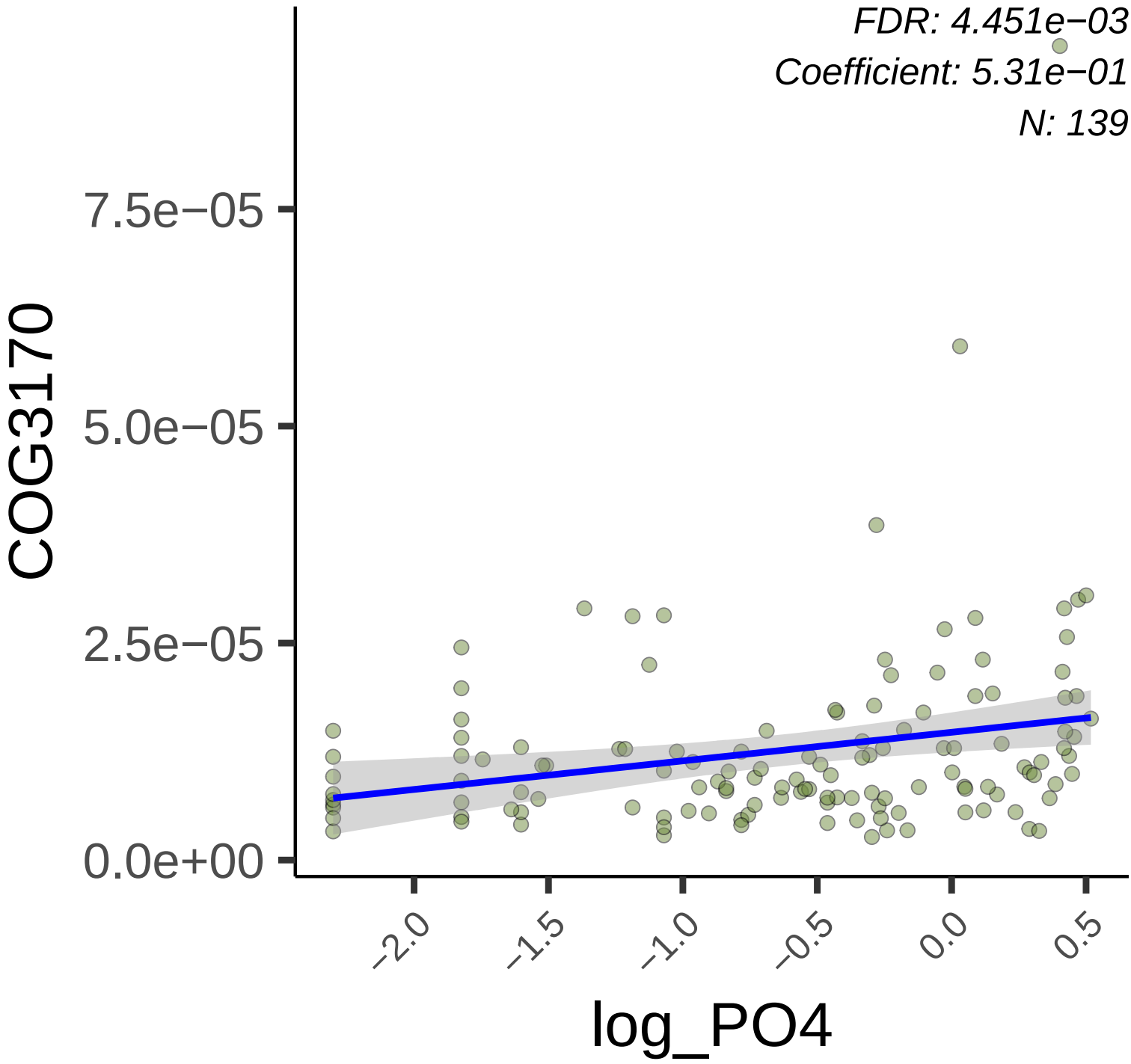
log_PO4


FDR: 4.451e−03
Coefficient: 5.31e−01
N: 139
COG3170
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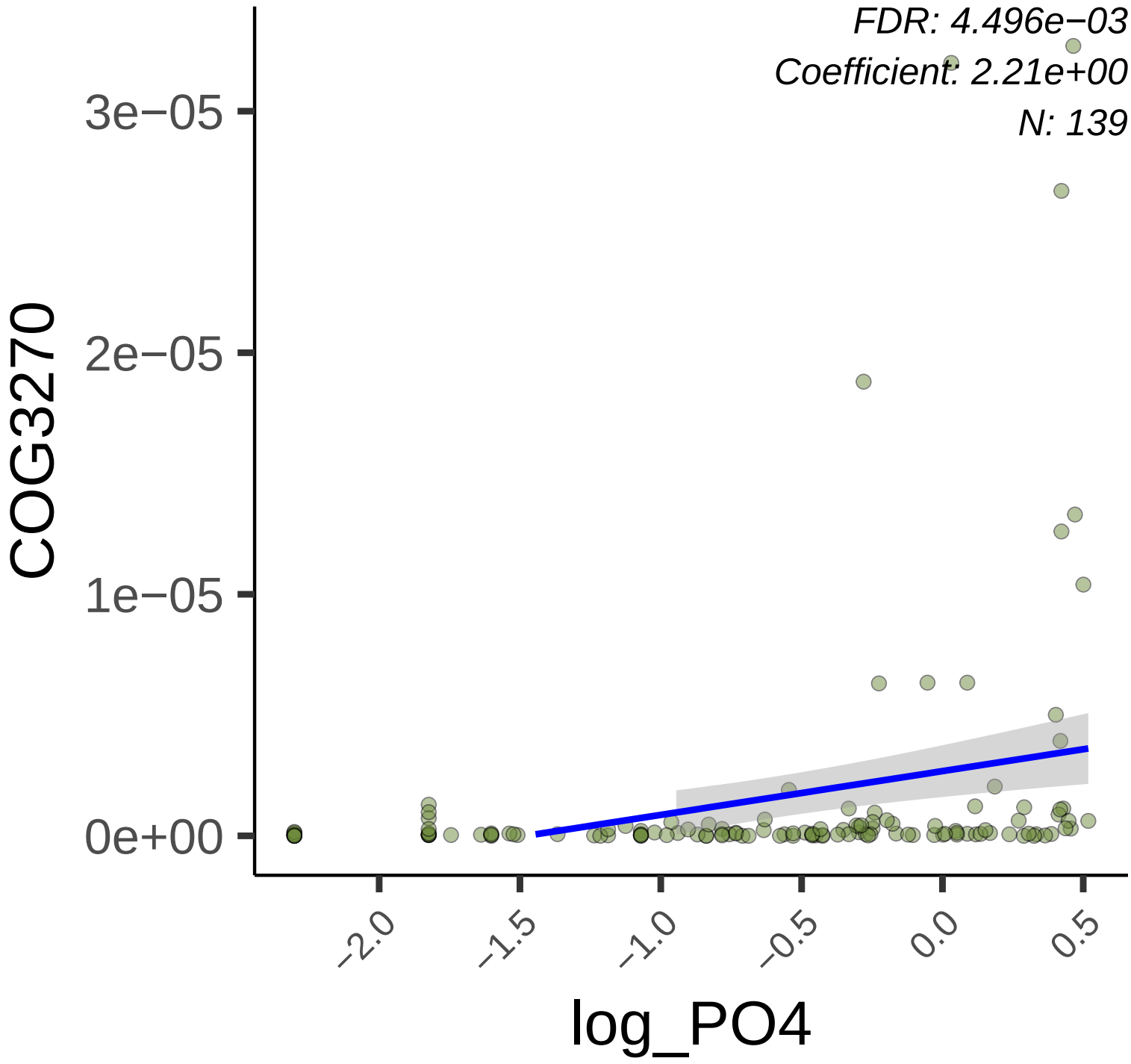
log_PO4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Coefficient: 2.21e+00
N: 139
COG3270
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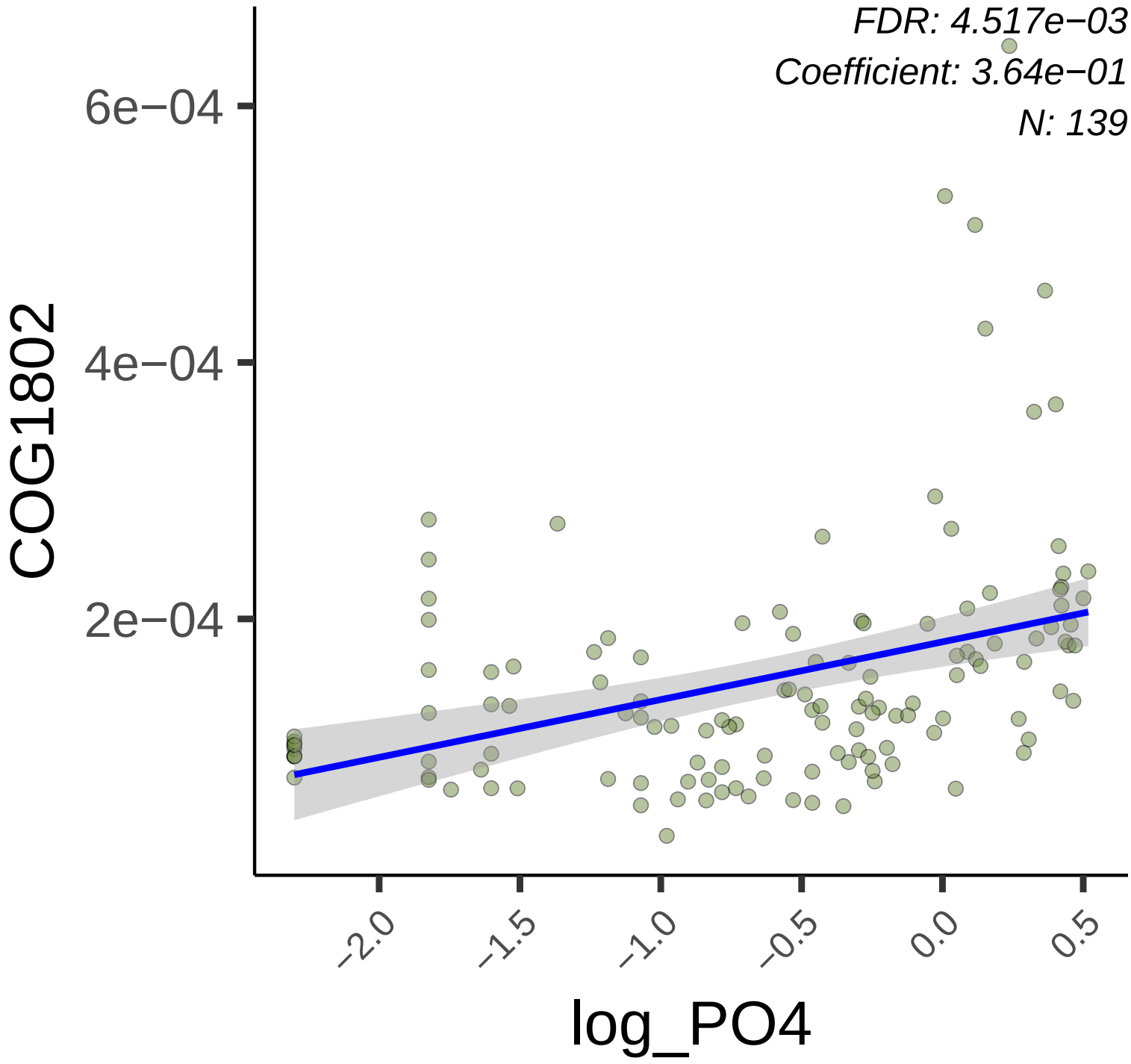
log_PO4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Coefficient: 3.64e−01
N: 139
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COG1802
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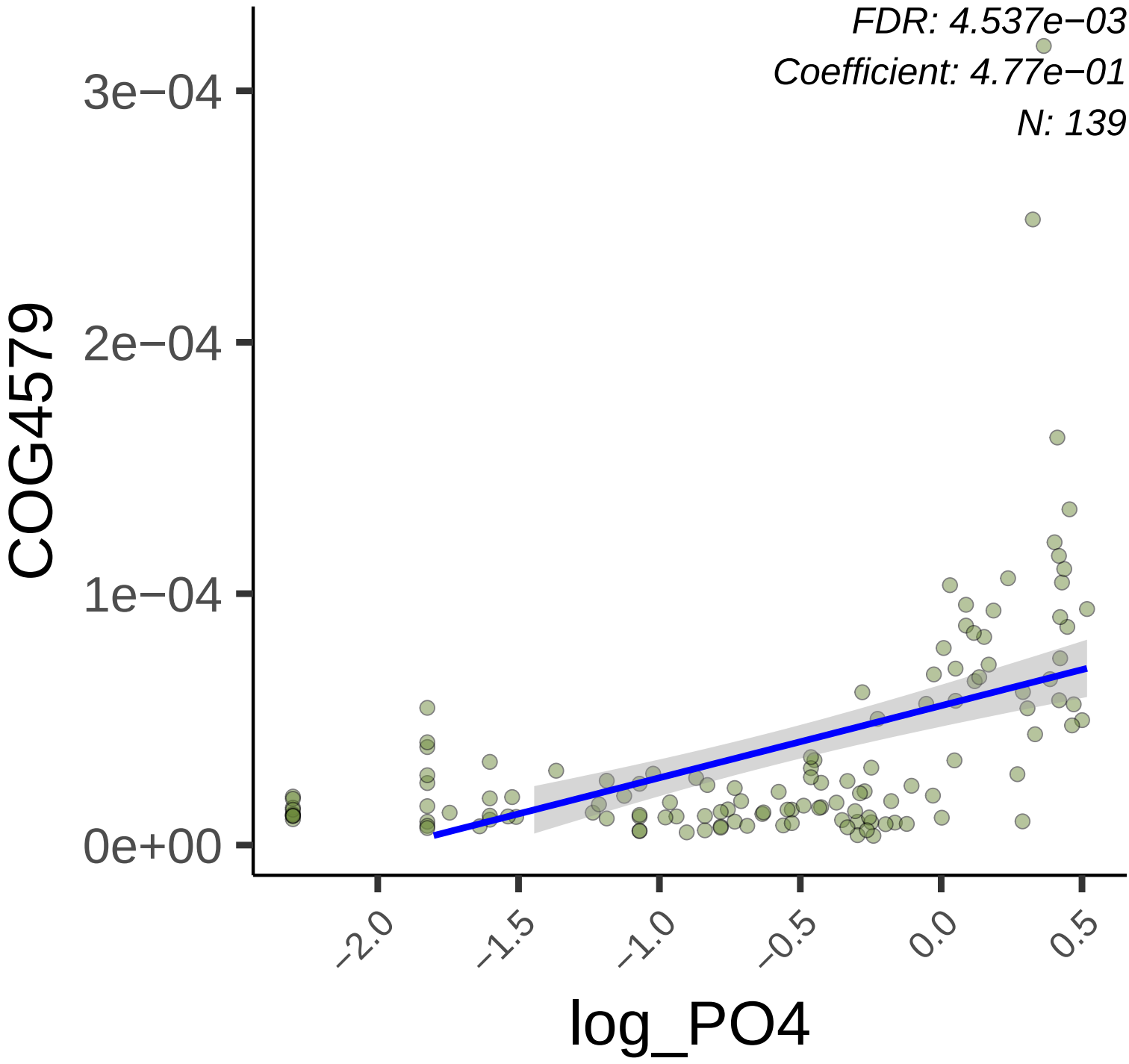
log_PO4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Coefficient: 4.77e−01
N: 139
COG4579
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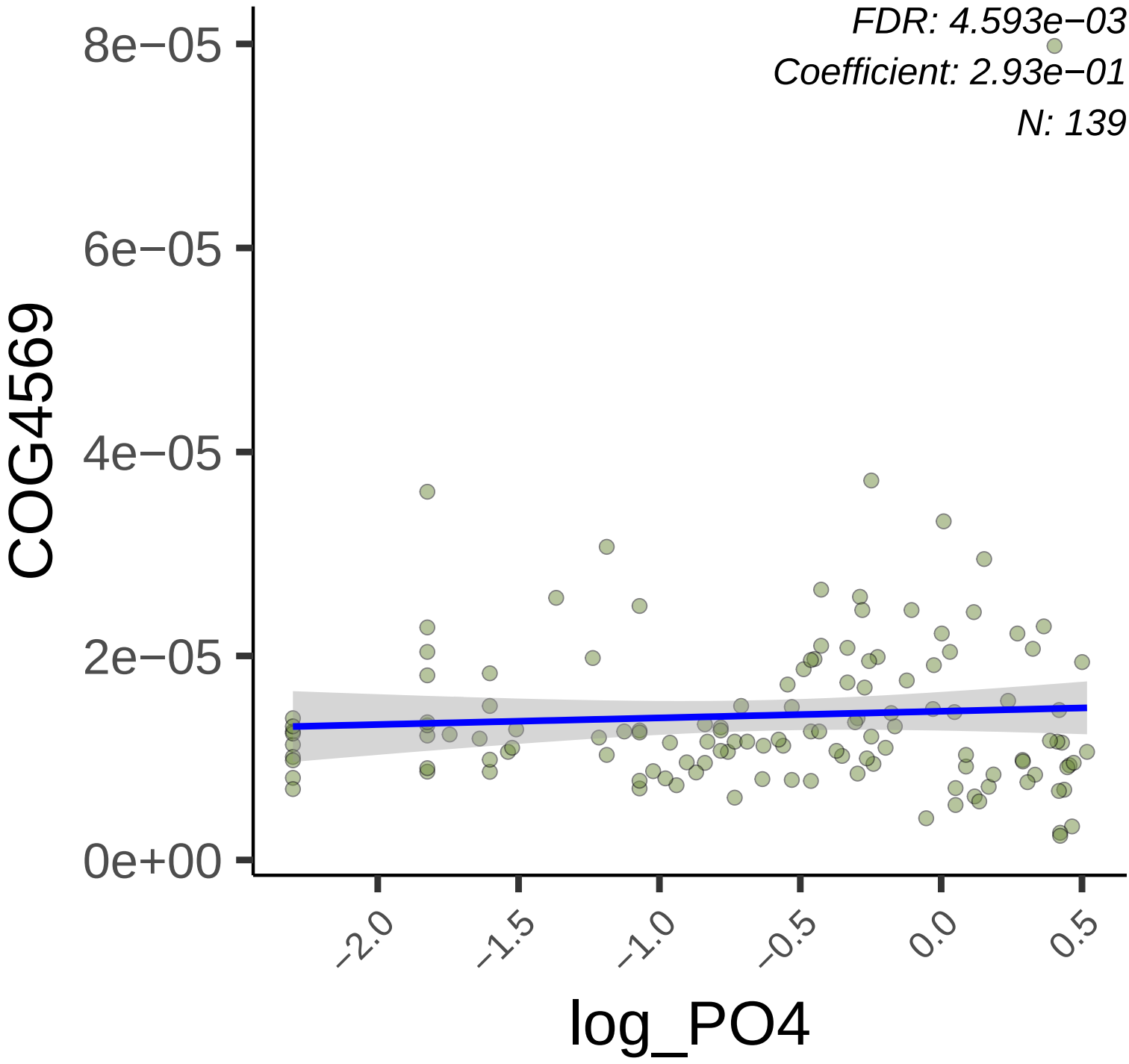
log_PO4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Coefficient: 2.93e−01
N: 139
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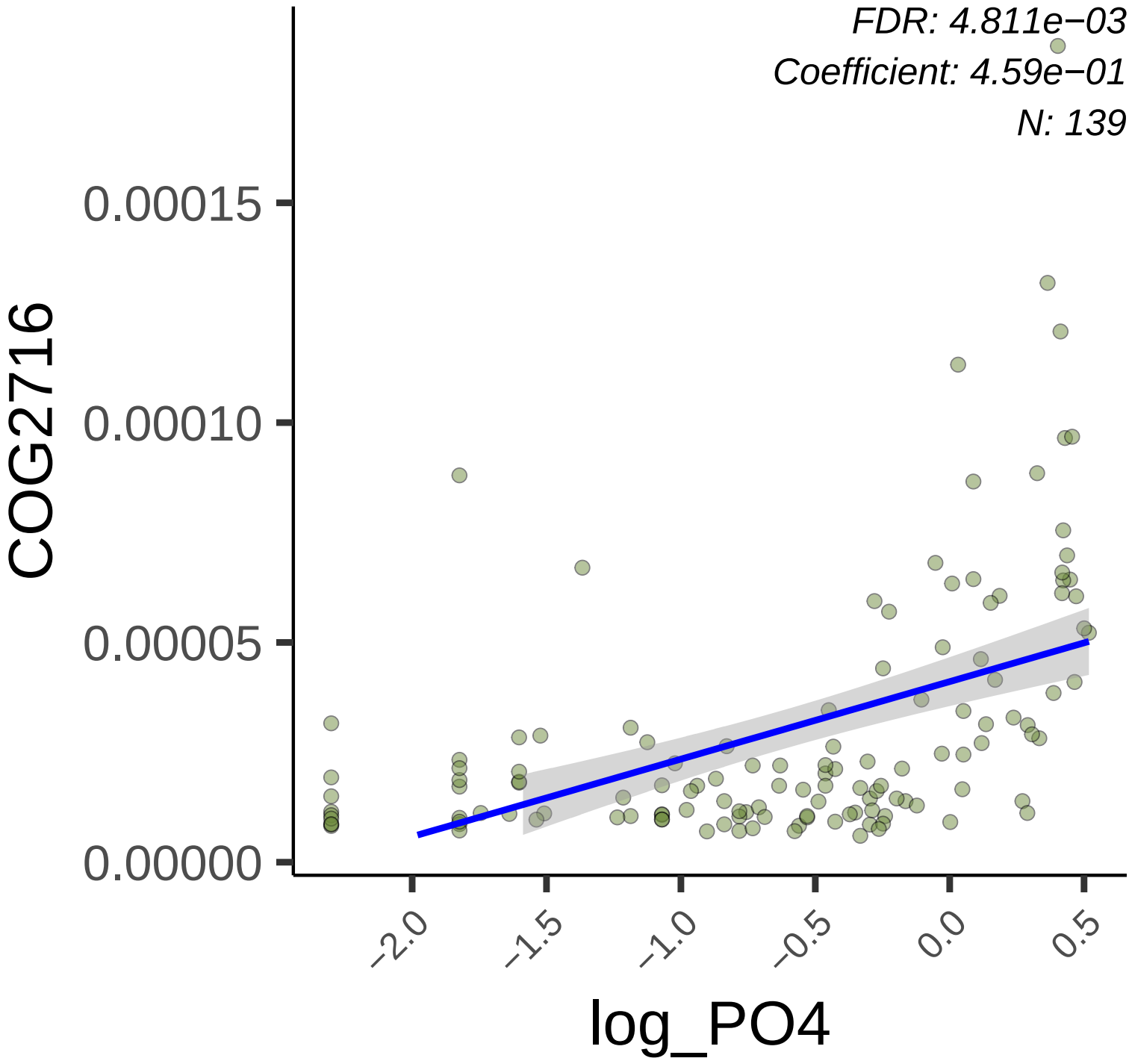
log_PO4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Coefficient: 4.59e−01
N: 139
COG2716
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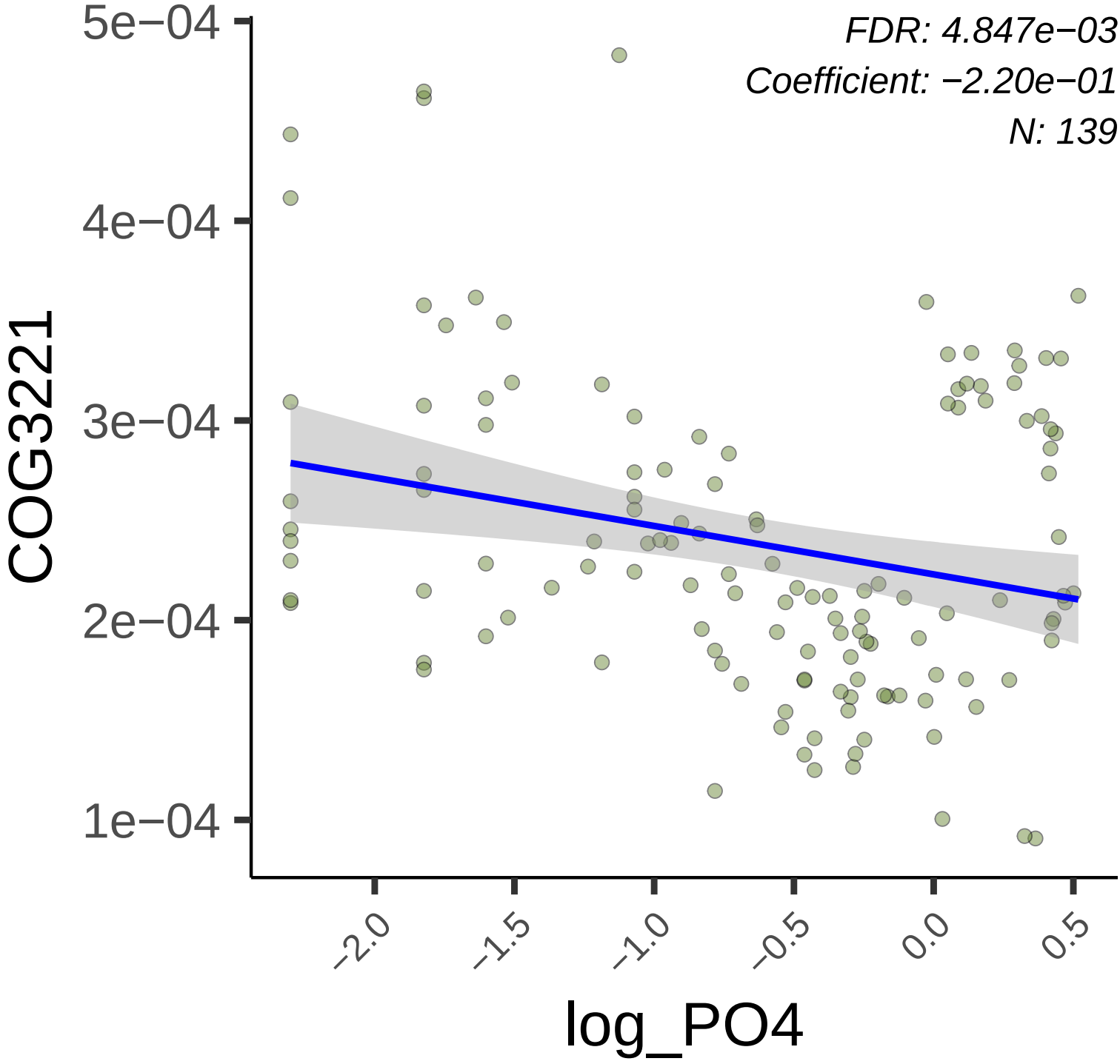
log_PO4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Coefficient: −2.20e−01
N: 139
COG3221
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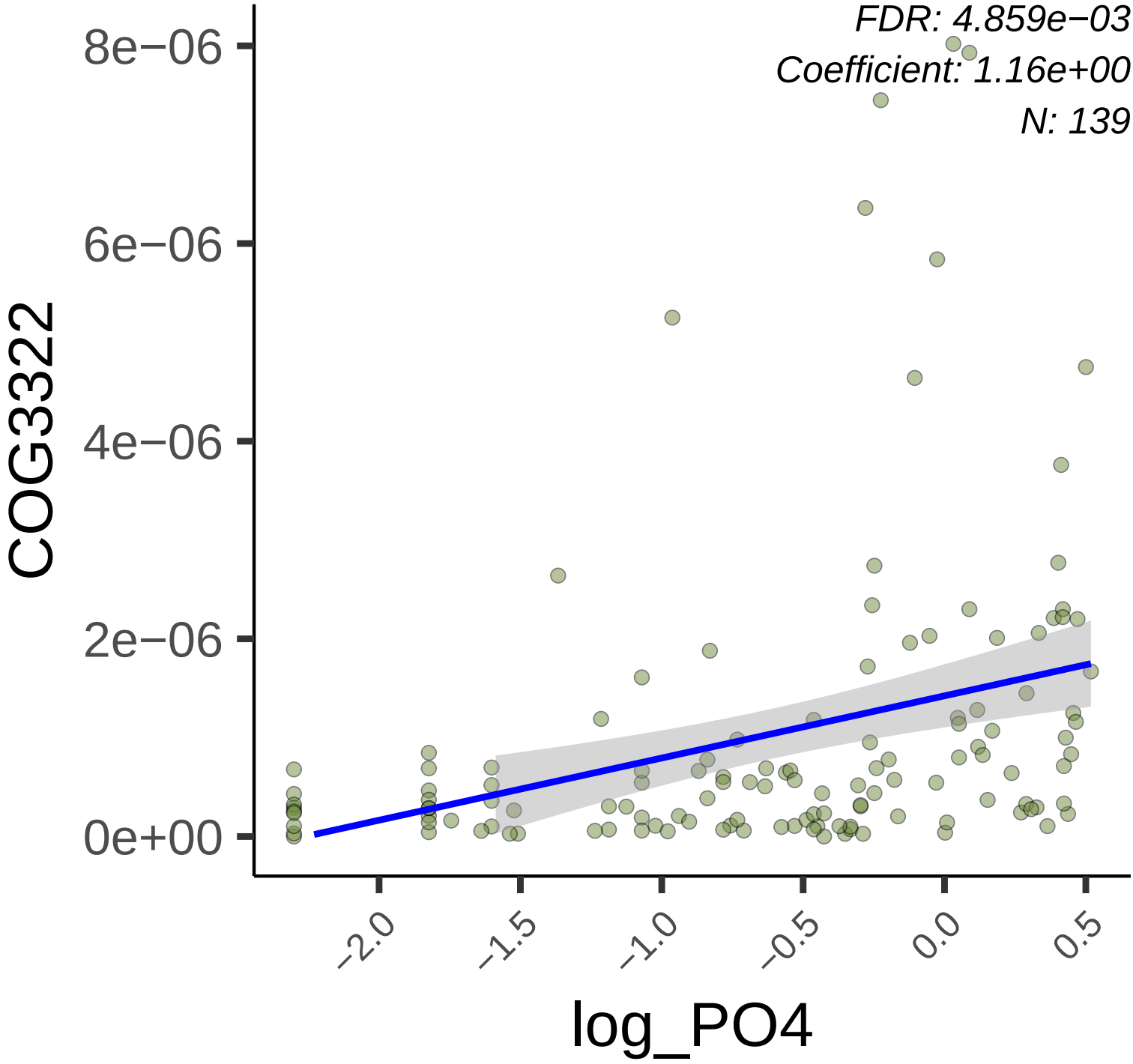
log_PO4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Coefficient: 1.16e+00
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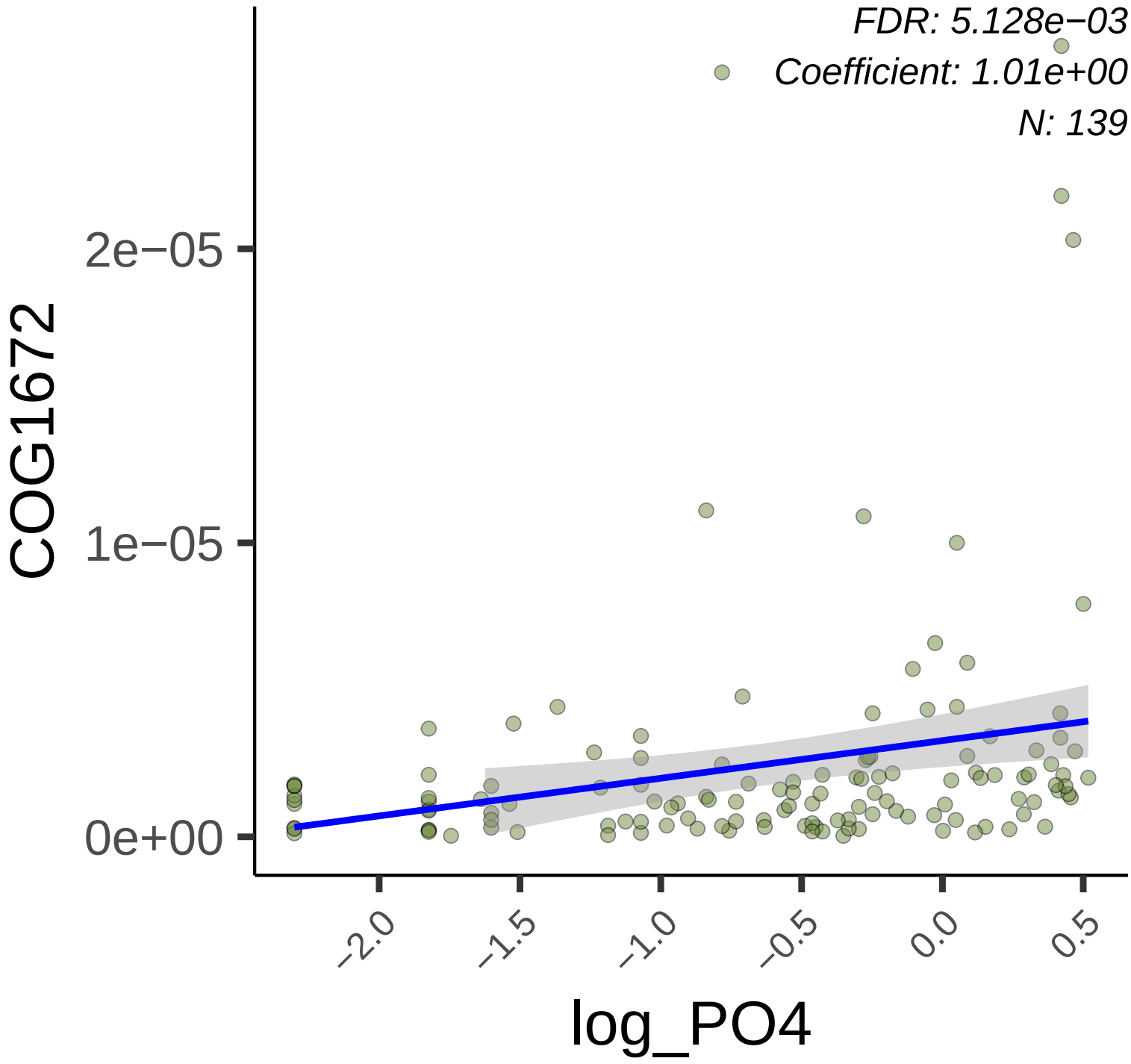
log_PO4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Coefficient: 1.01e+00
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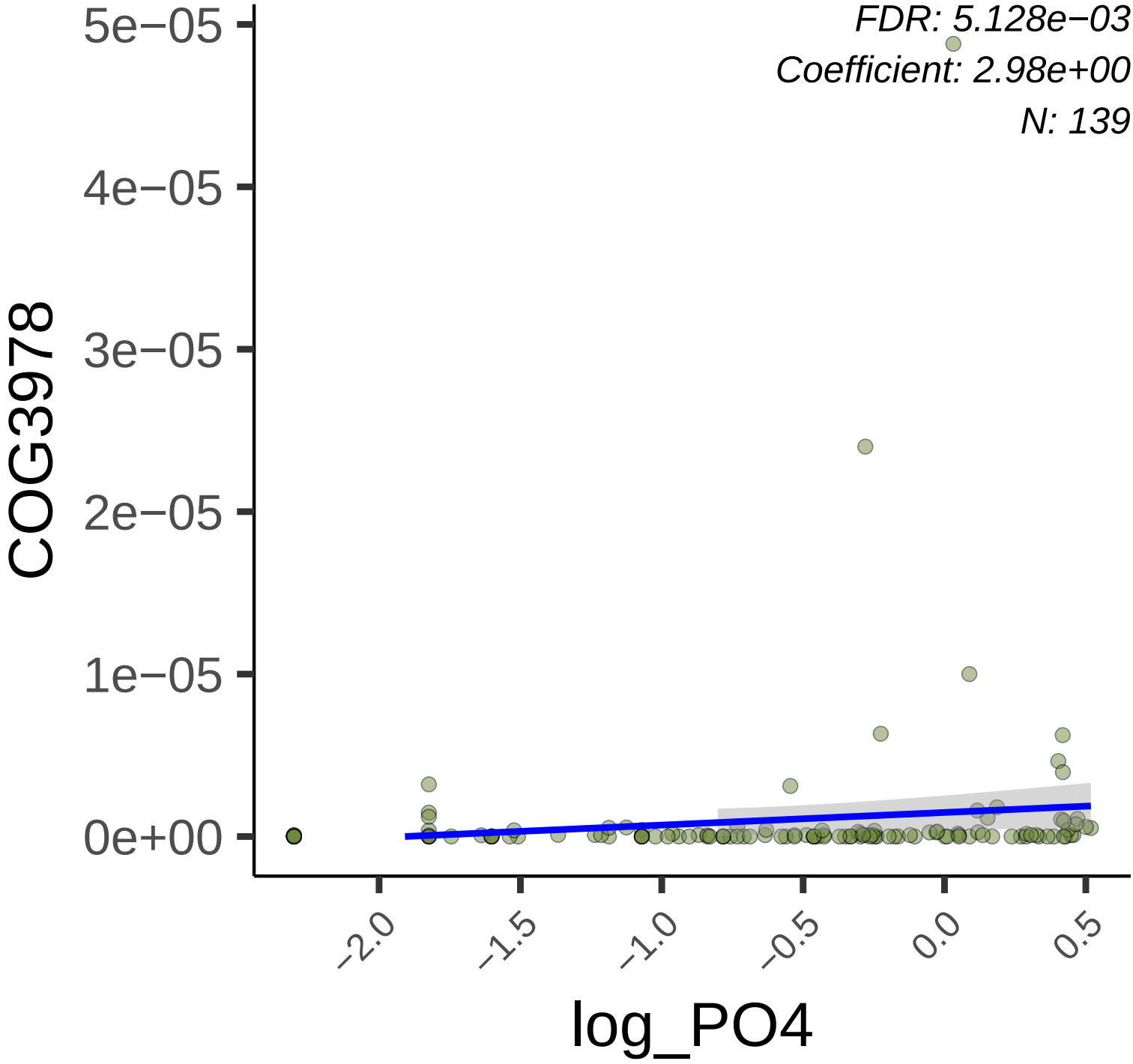
log_PO4


FDR: 5.128e−03
Coefficient: 2.98e+00
N: 139
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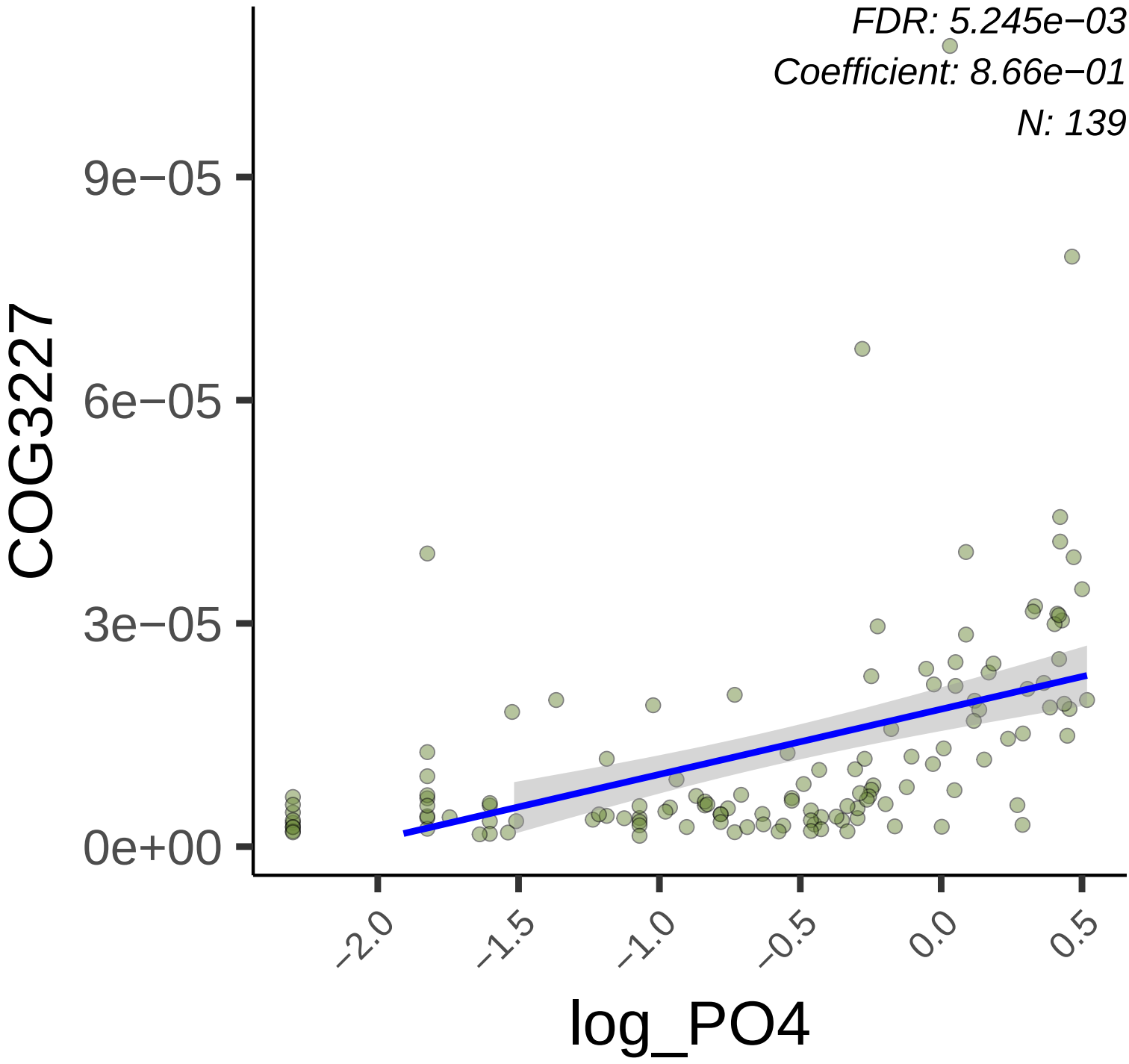
log_PO4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Coefficient: 8.66e−01
N: 139
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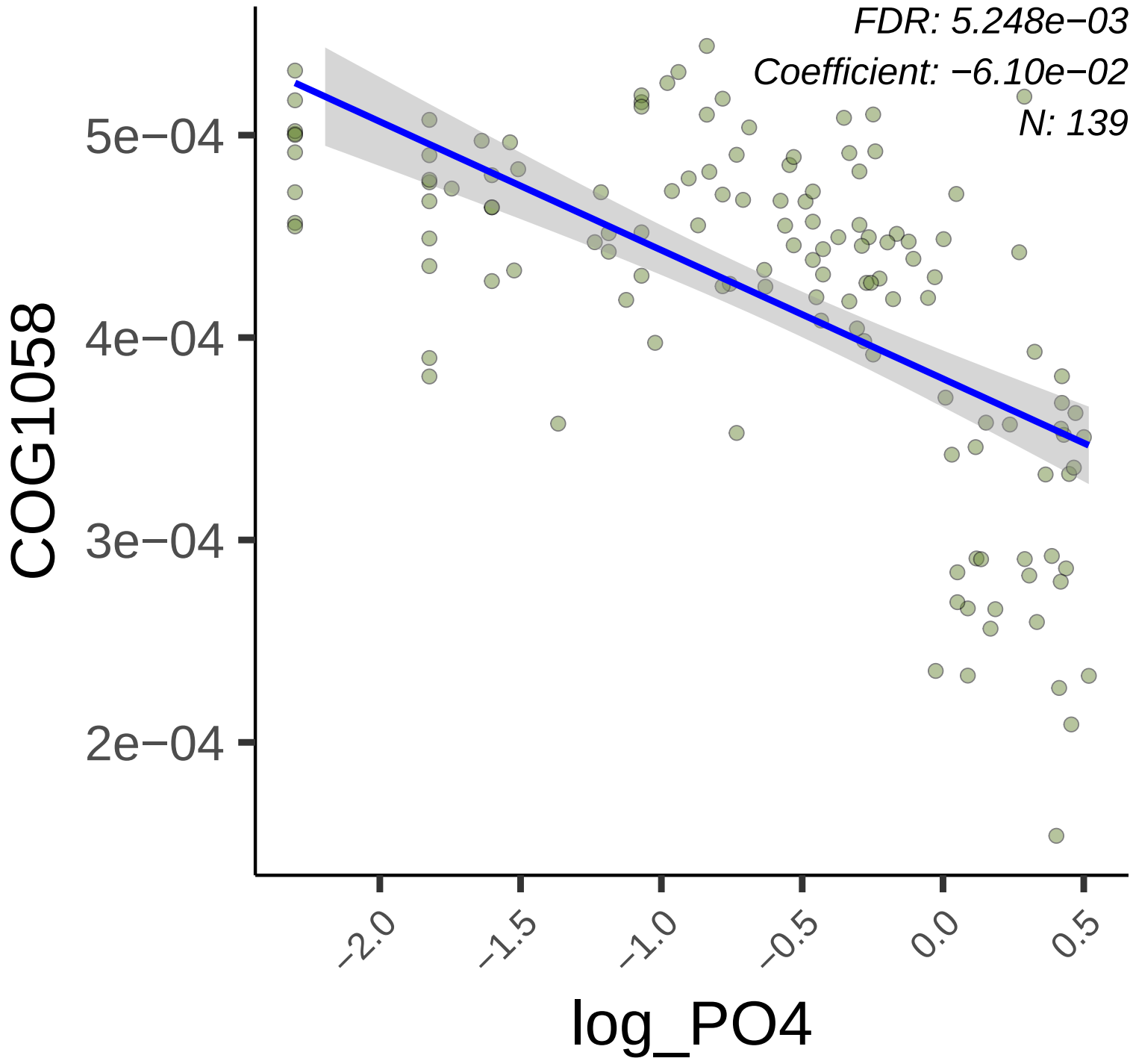
log_PO4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Coefficient: −6.10e−02
N: 139
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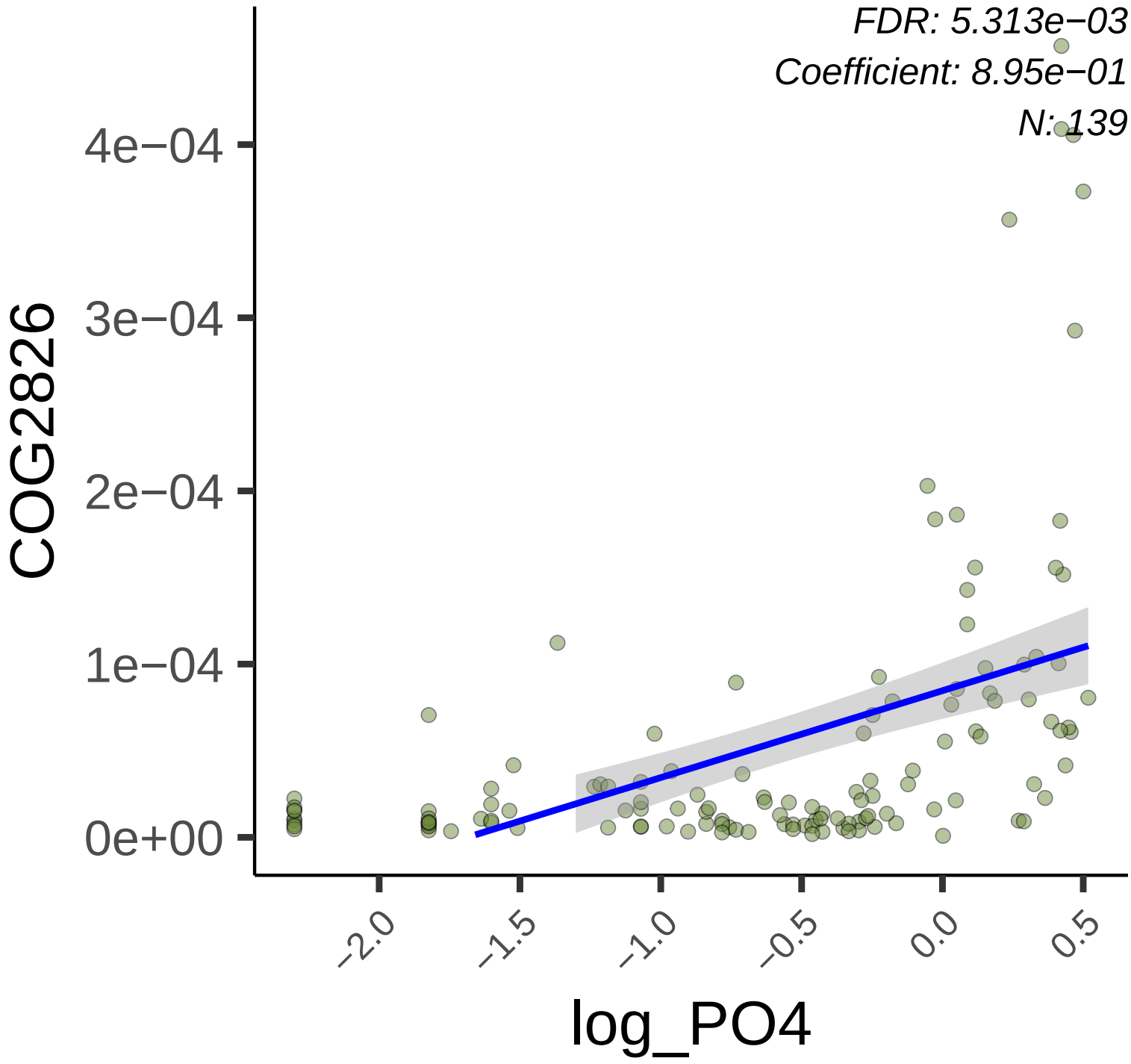
log_PO4


FDR: 5.313e−03
Coefficient: 8.95e−01
N: 139
COG2826
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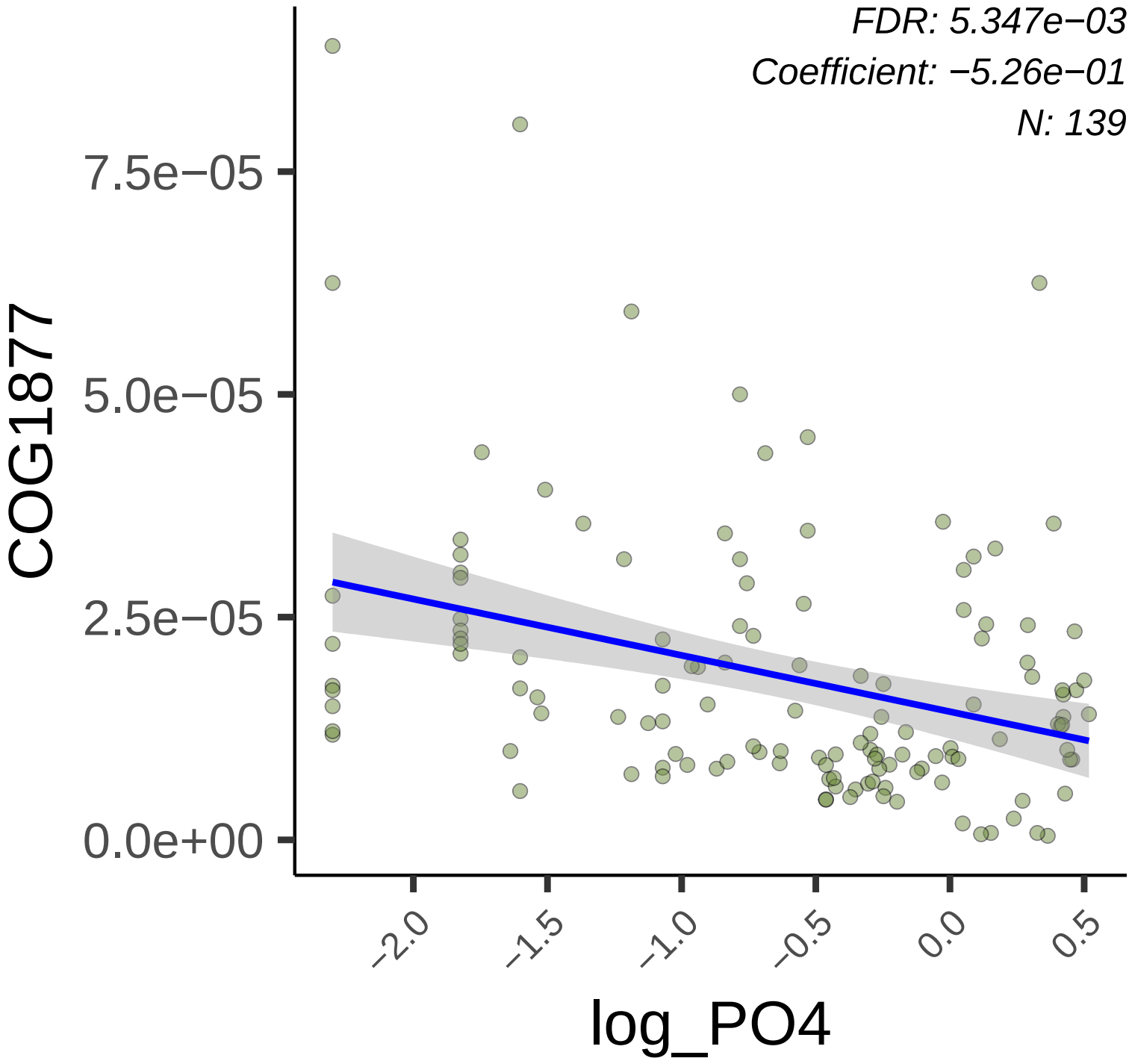
log_PO4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Coefficient: −5.26e−01
N: 139
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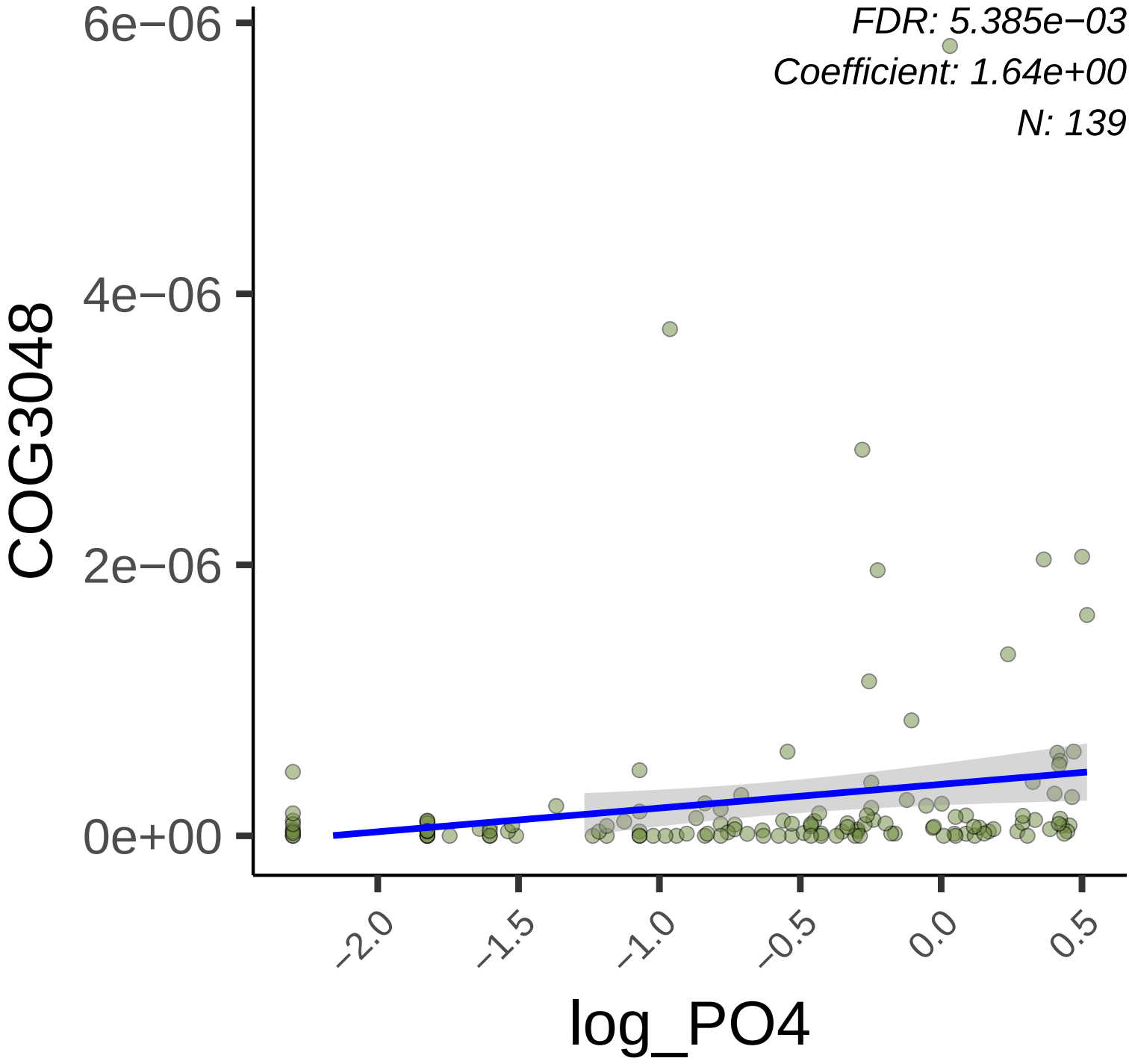
log_PO4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Coefficient: 1.64e+00
N: 139
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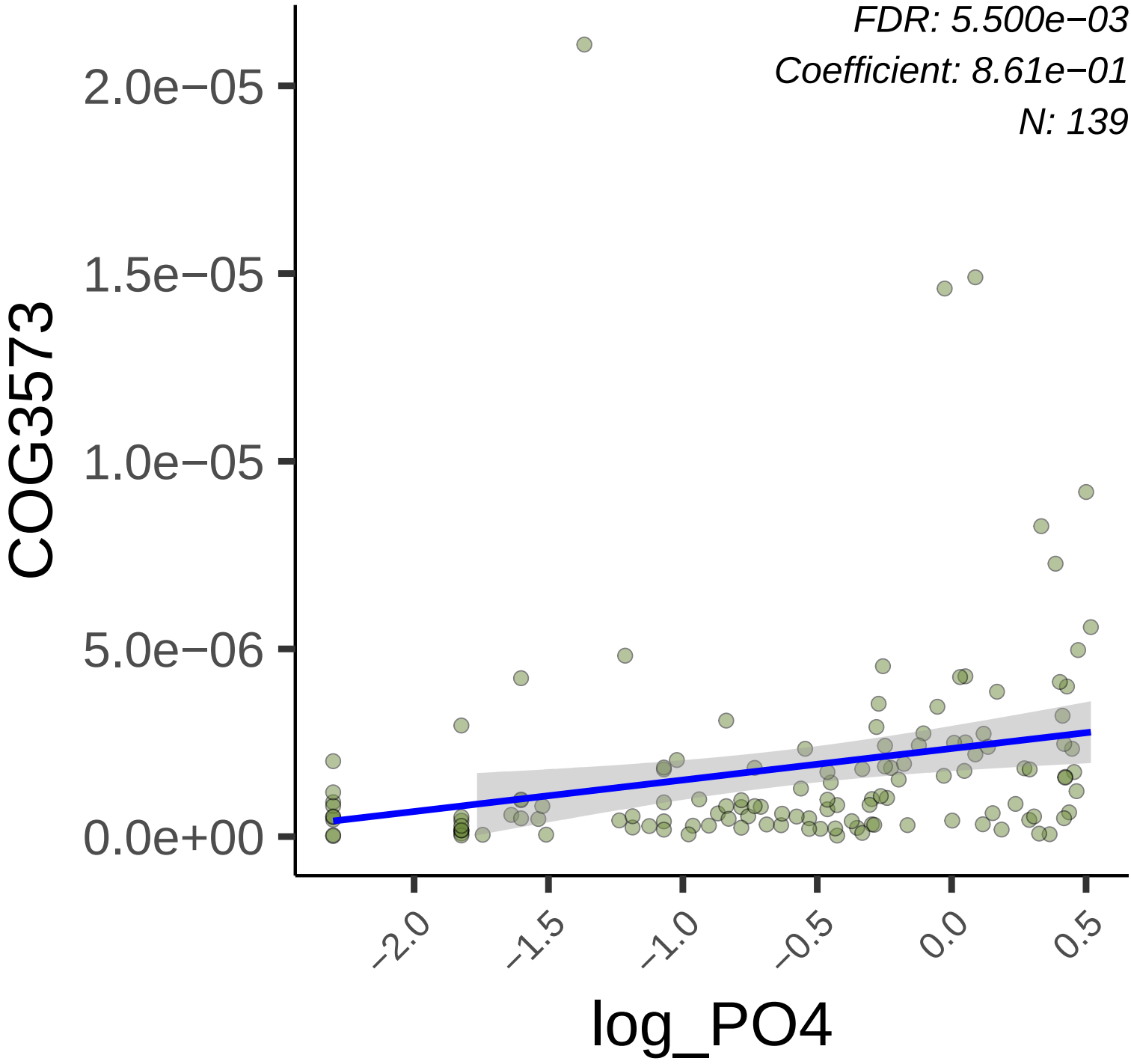
log_PO4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Coefficient: 8.61e−01
N: 139
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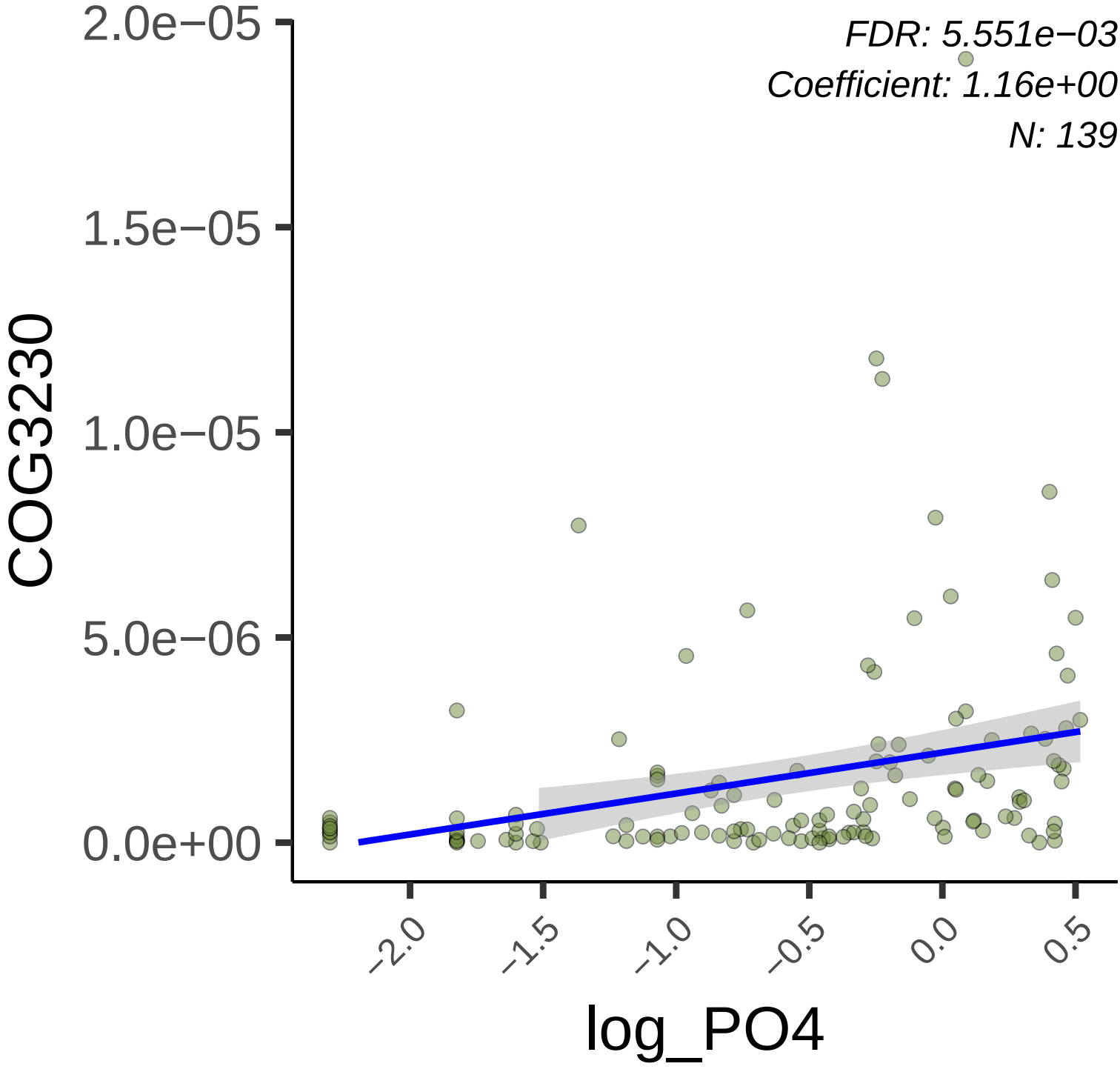
log_PO4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Coefficient: 1.16e+00
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1.0e−05
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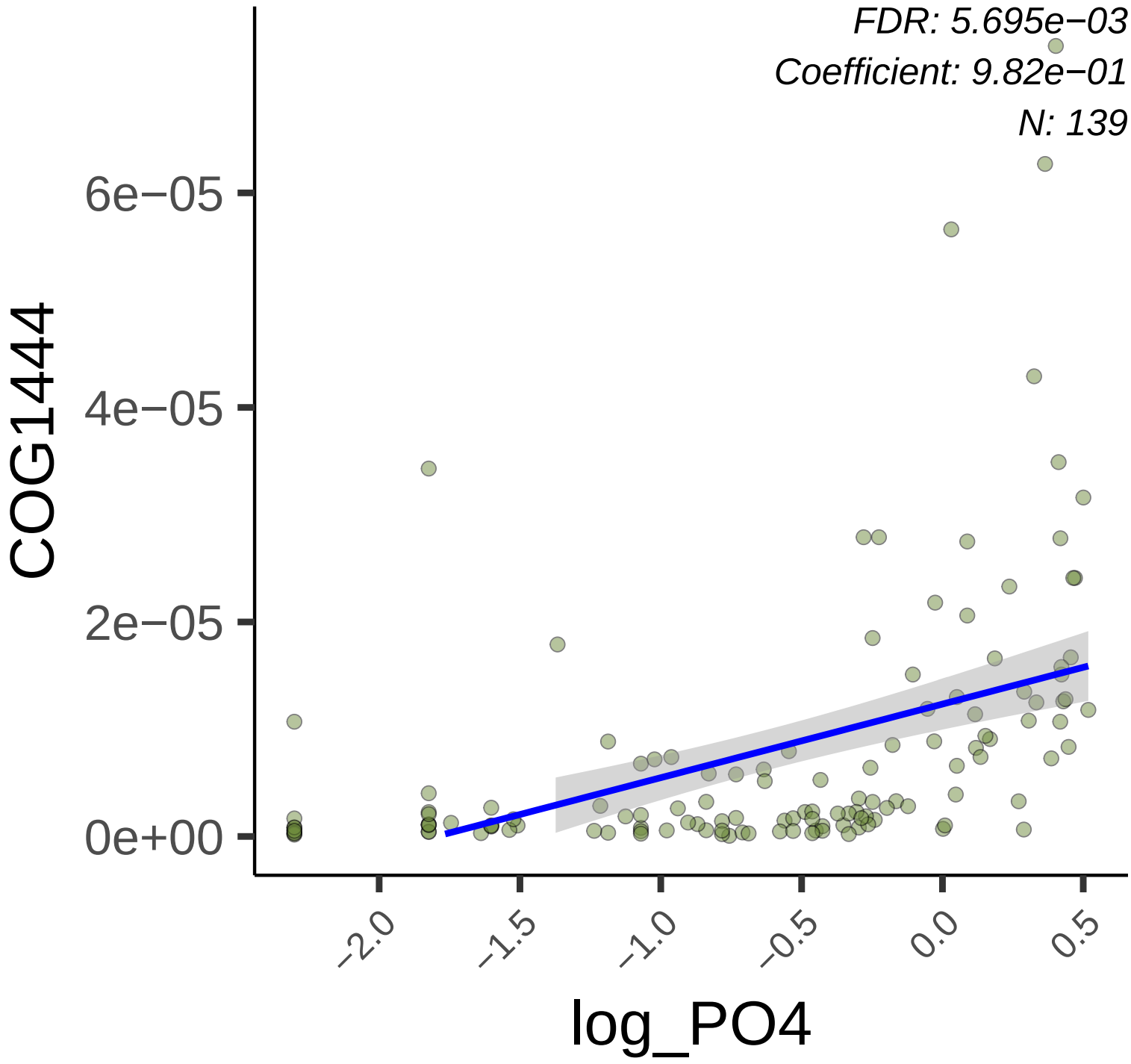
log_PO4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Coefficient: 9.82e−01
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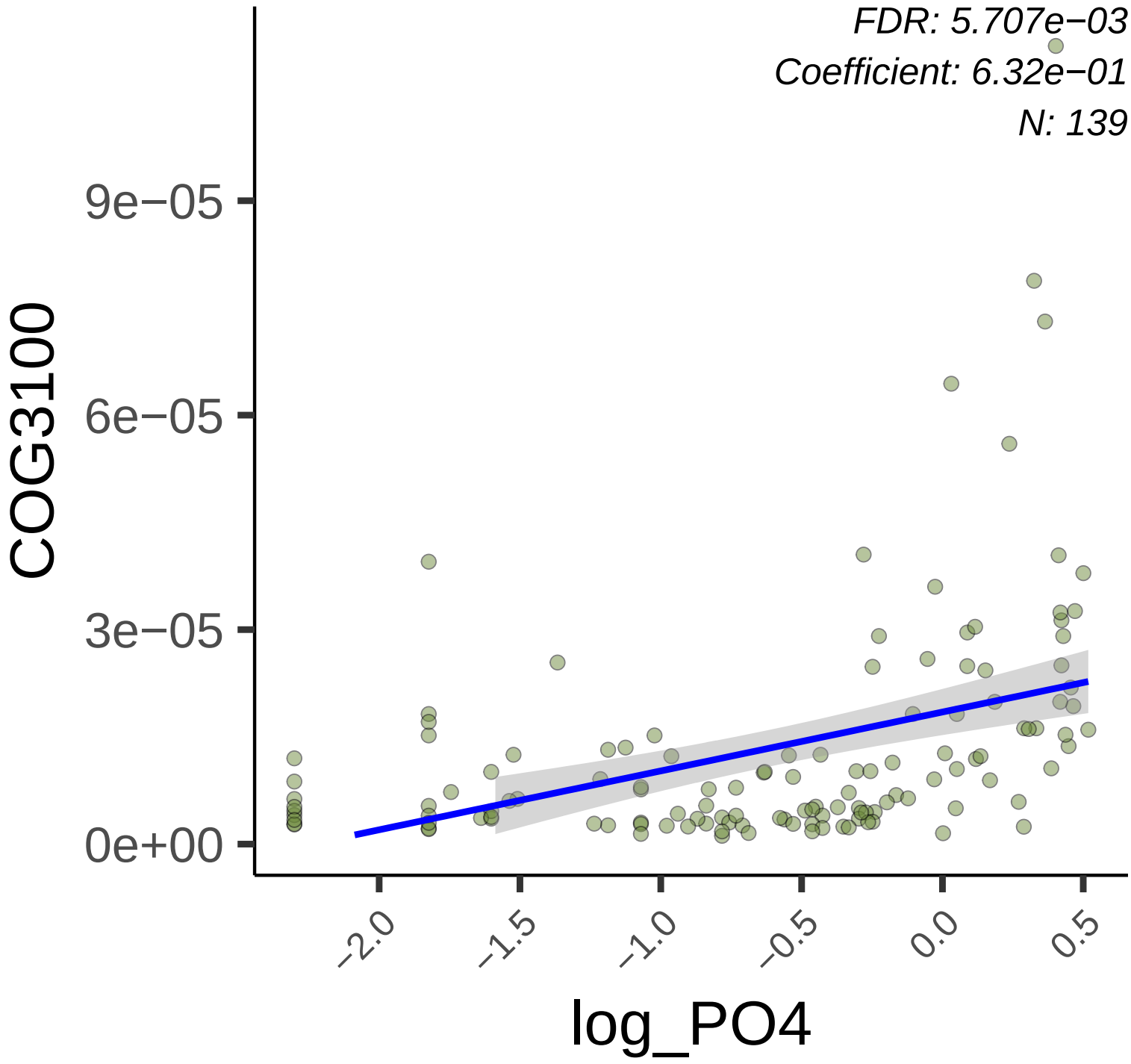
log_PO4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Coefficient: 6.32e−01
N: 139
COG3100
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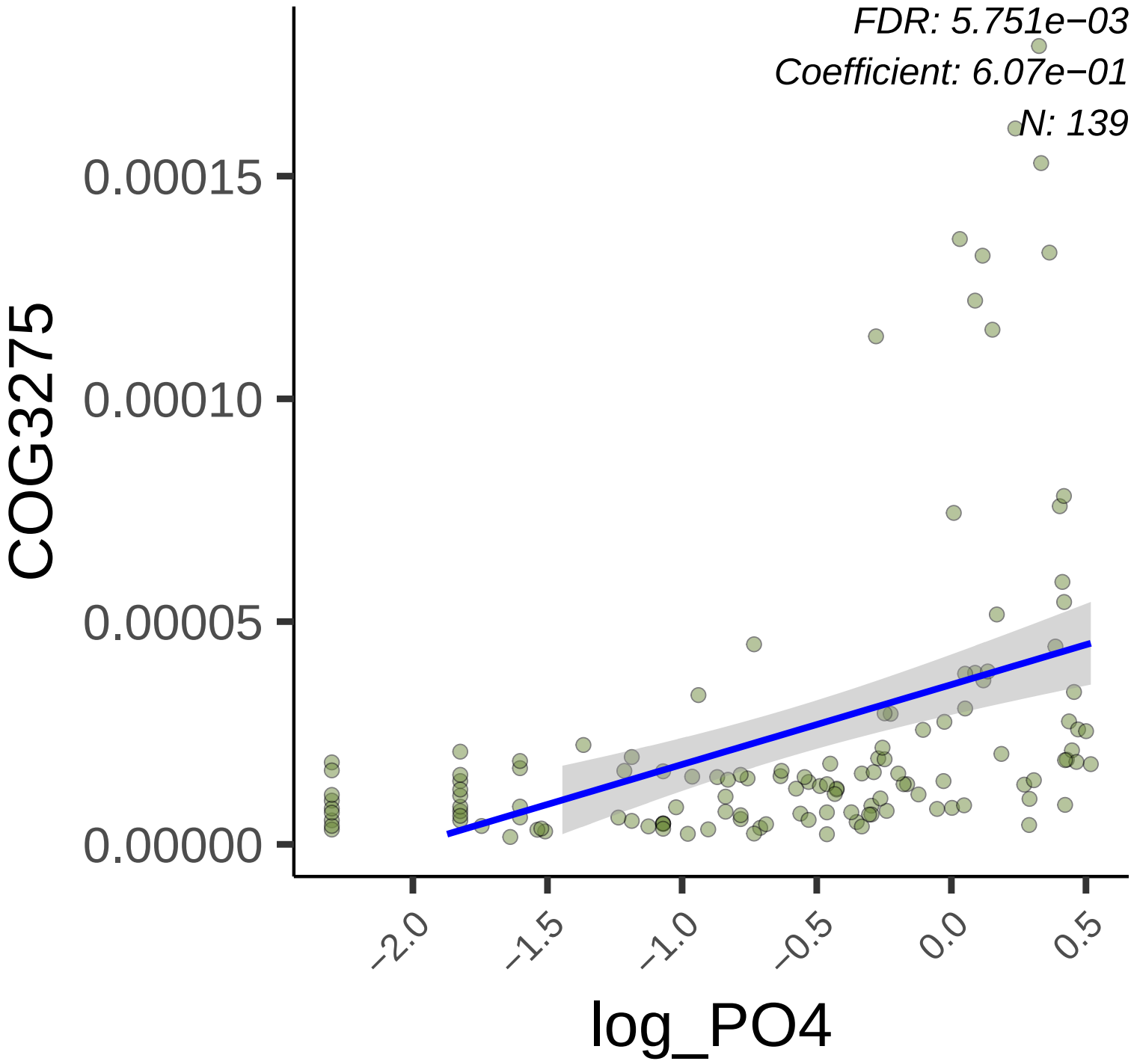
log_PO4


FDR: 5.751e−03
Coefficient: 6.07e−01
N: 139
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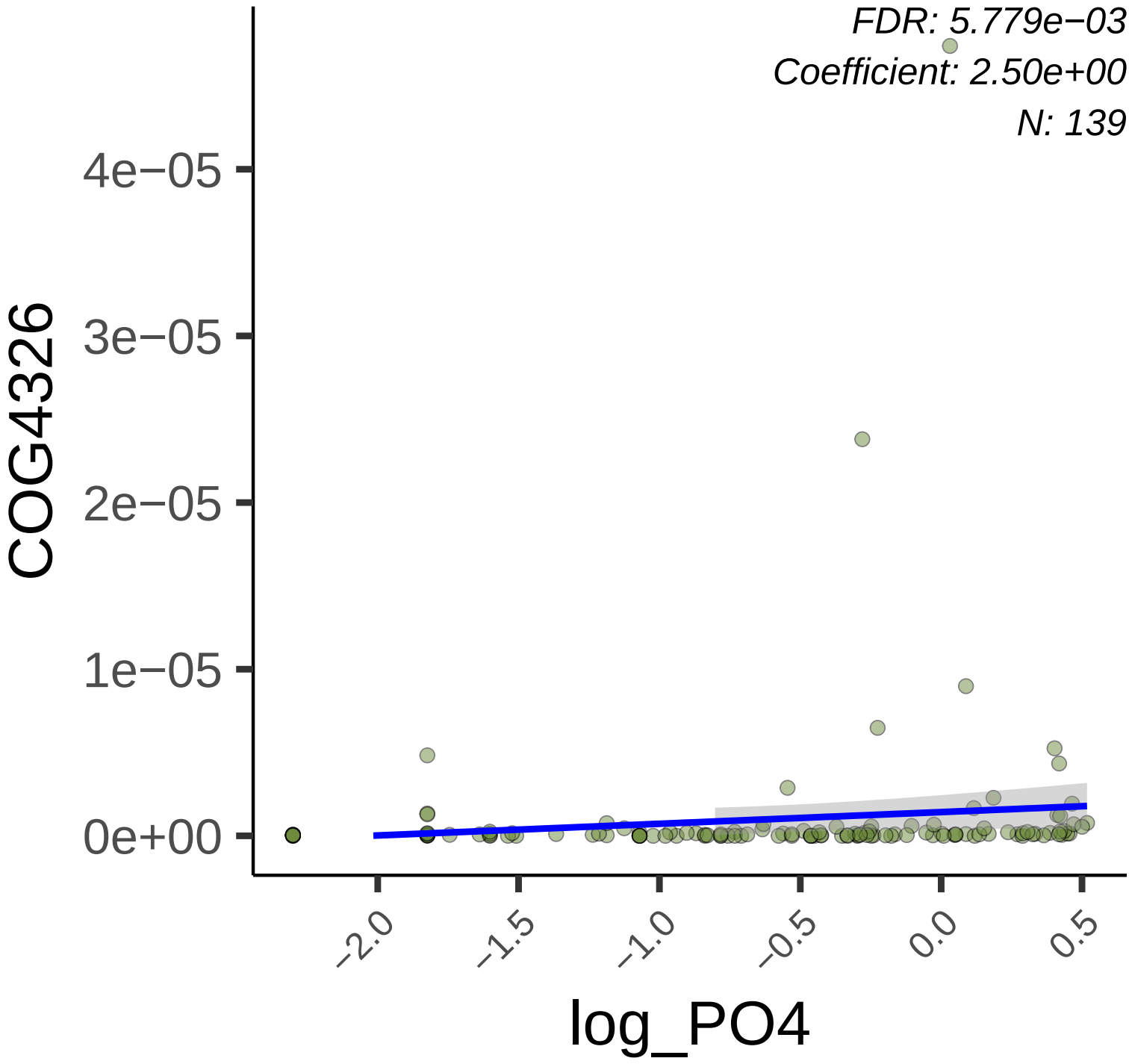
log_PO4


FDR: 5.779e−03
Coefficient: 2.50e+00
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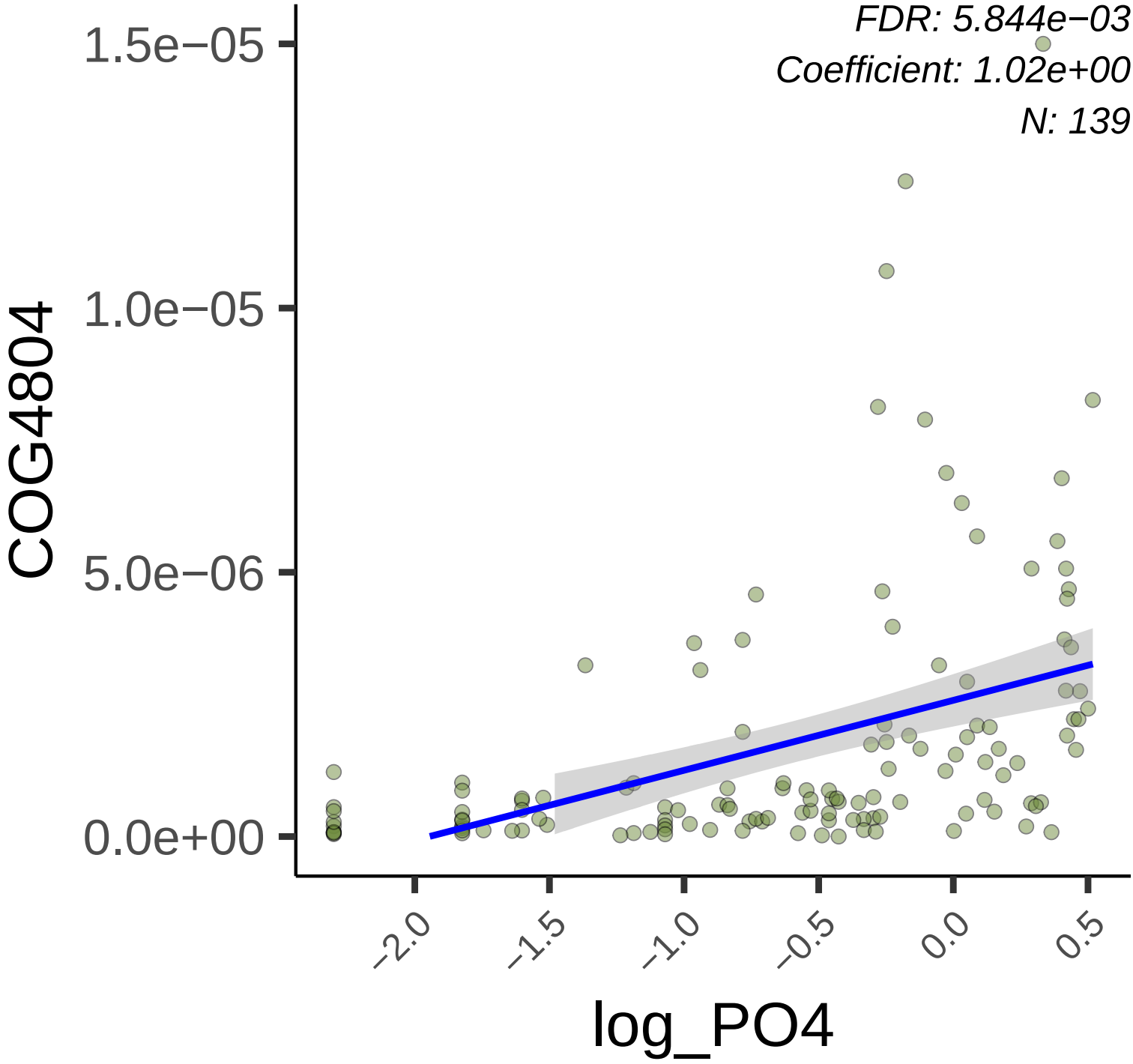
log_PO4


FDR: 5.844e−03
Coefficient: 1.02e+00
N: 139
COG4804
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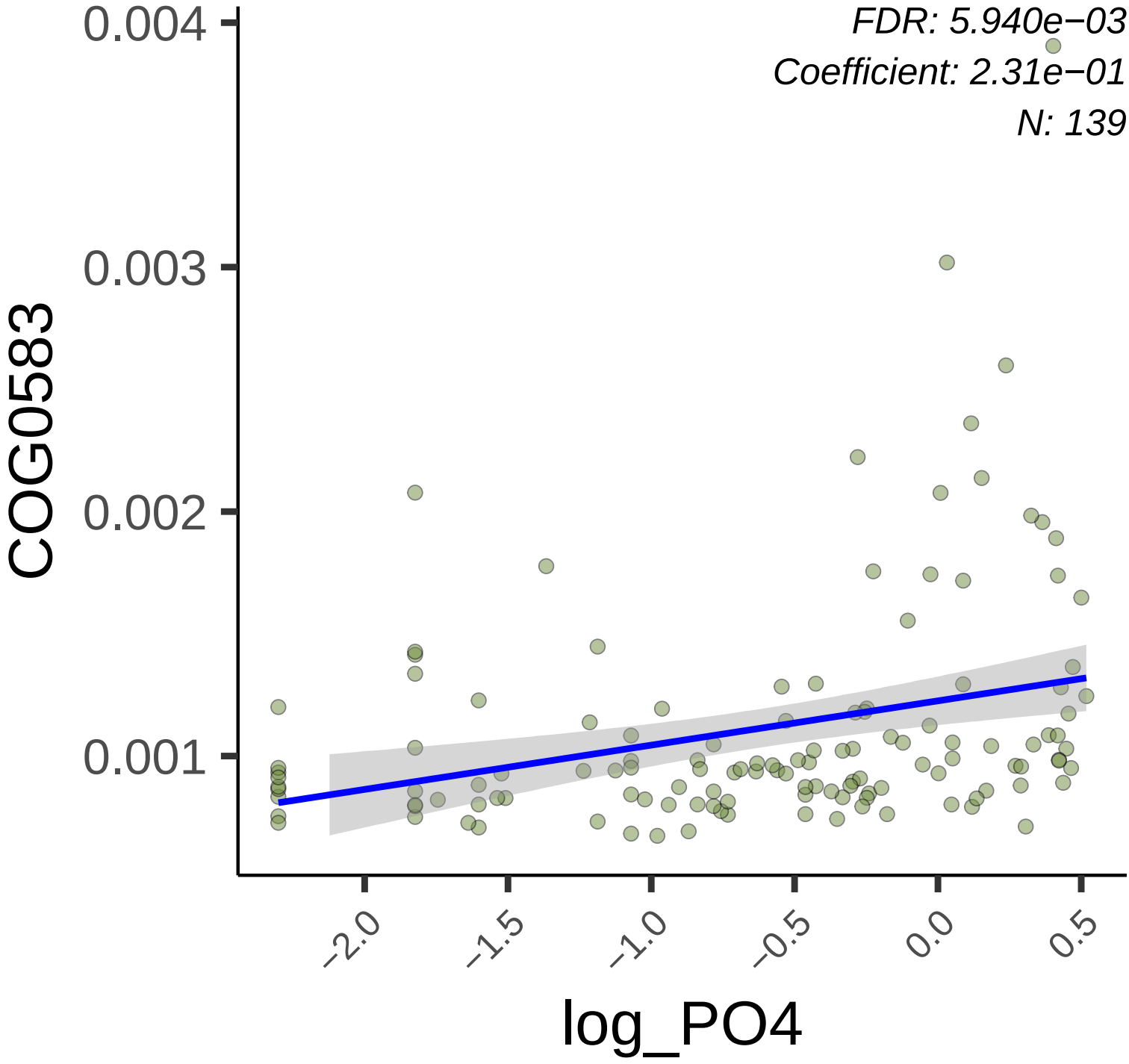
log_PO4


FDR: 5.940e−03
Coefficient: 2.31e−01
N: 139
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0.002
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COG0583
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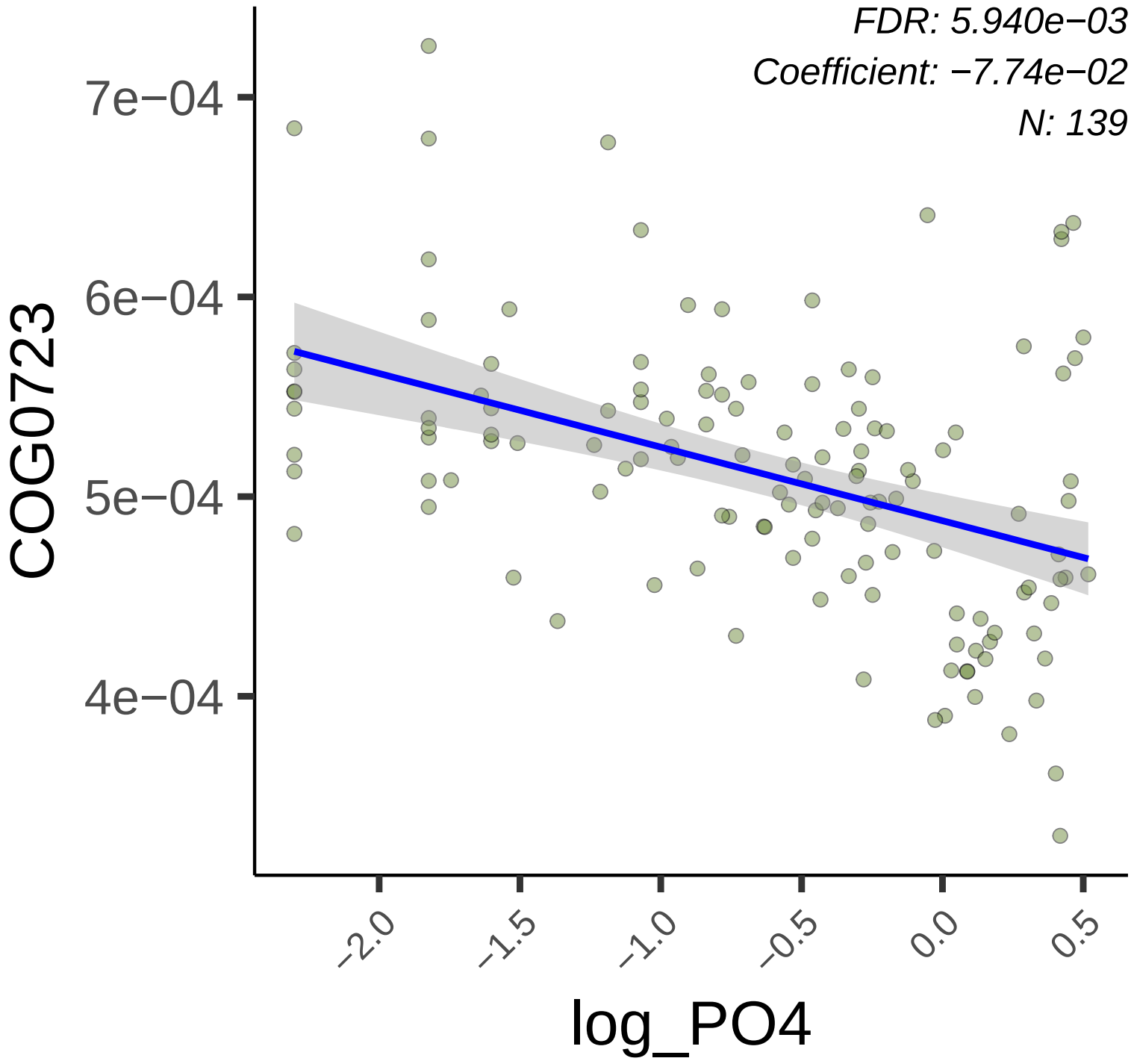
log_PO4


FDR: 5.940e−03
Coefficient: −7.74e−02
N: 139
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6e−04
5e−04
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COG0723
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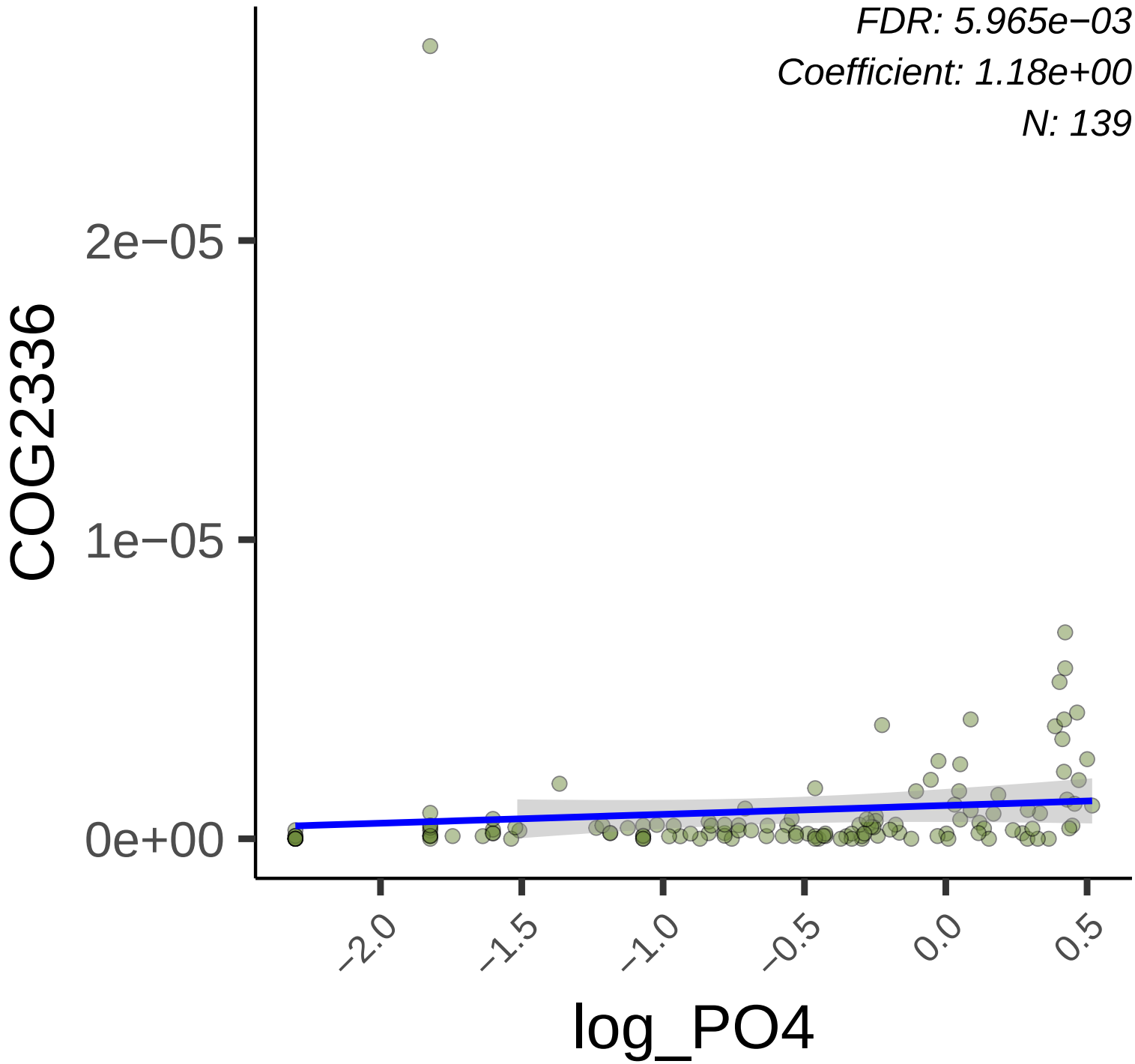
log_PO4


FDR: 5.965e−03
Coefficient: 1.18e+00
N: 139
COG2336
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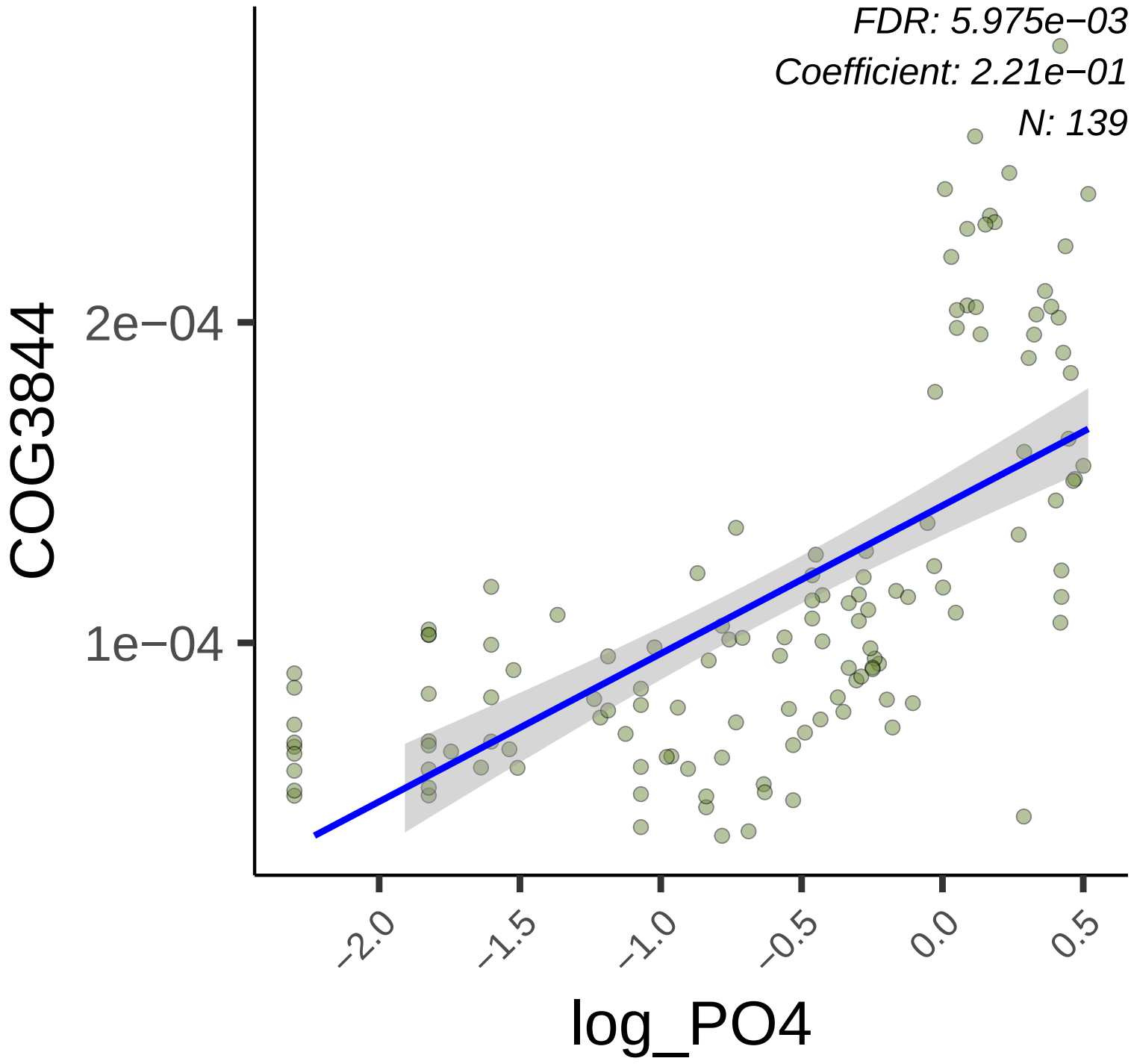
log_PO4


FDR: 5.975e−03
Coefficient: 2.21e−01
N: 139
COG3844
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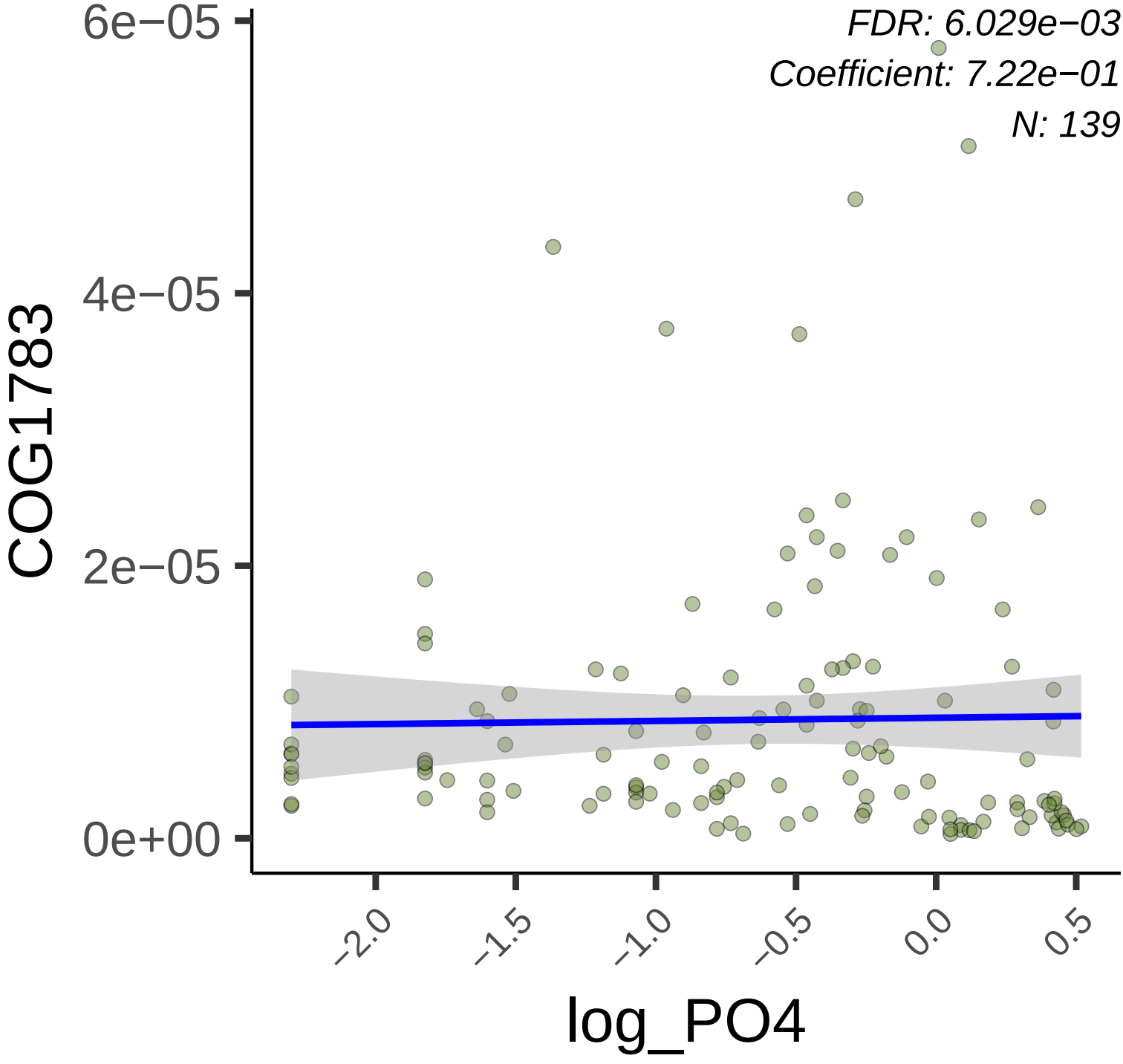
log_PO4


FDR: 6.029e−03
Coefficient: 7.22e−01
N: 139
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COG1783
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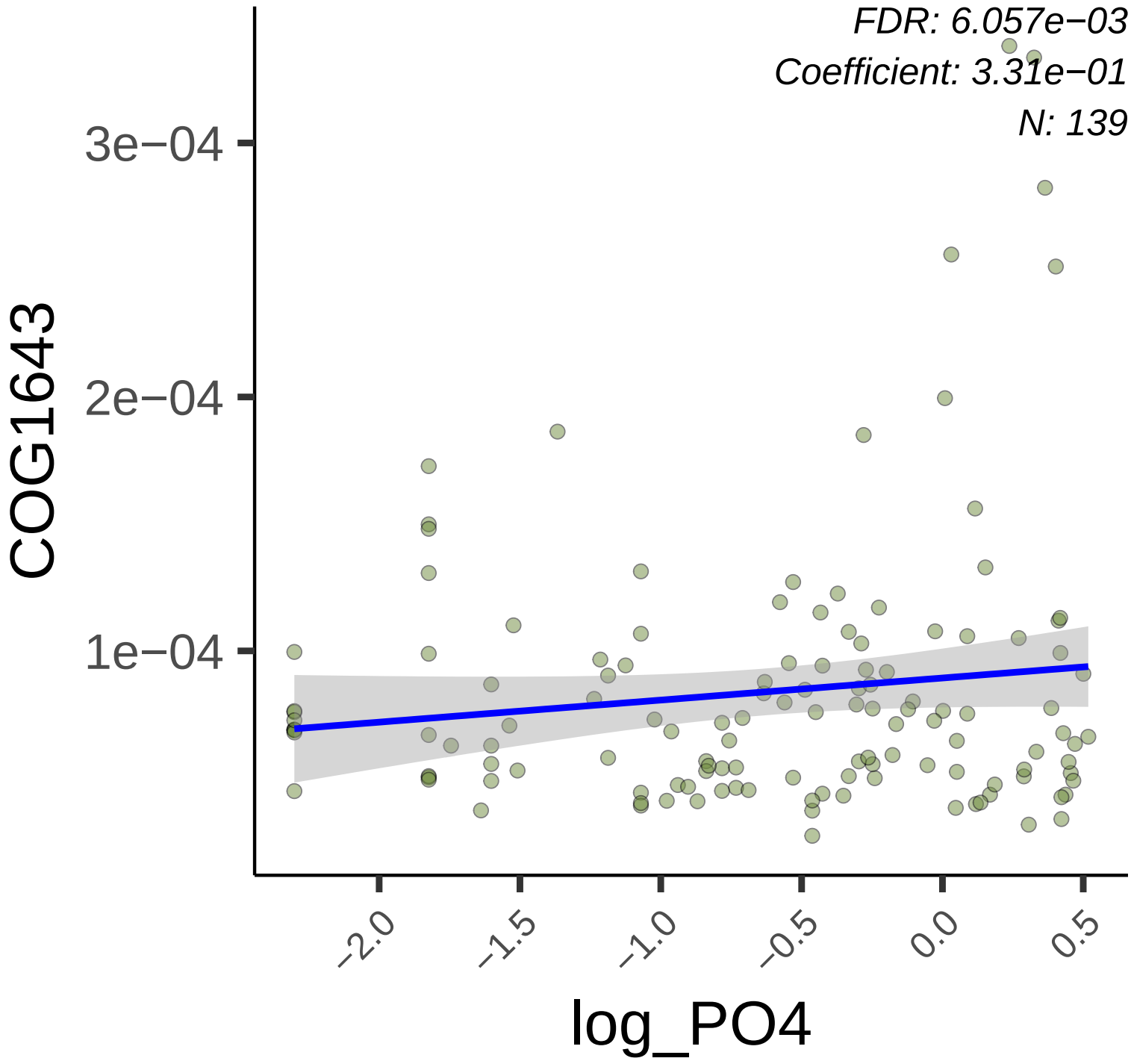
log_PO4


FDR: 6.057e−03
Coefficient: 3.31e−01
N: 139
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1e−04
COG1643
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−1.5
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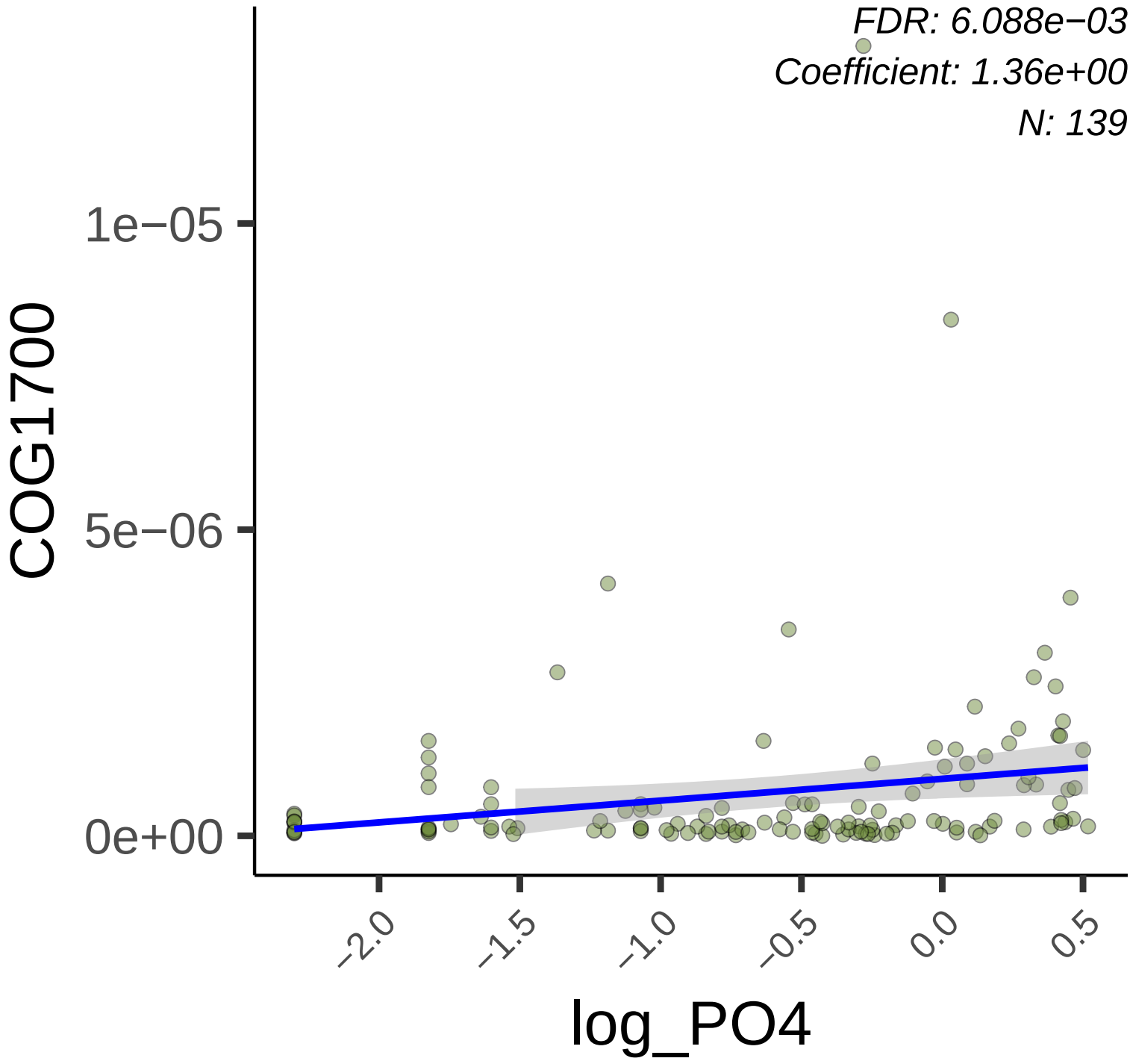
log_PO4


FDR: 6.088e−03
Coefficient: 1.36e+00
N: 139
COG1700
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5e−06
0e+00
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−1.0
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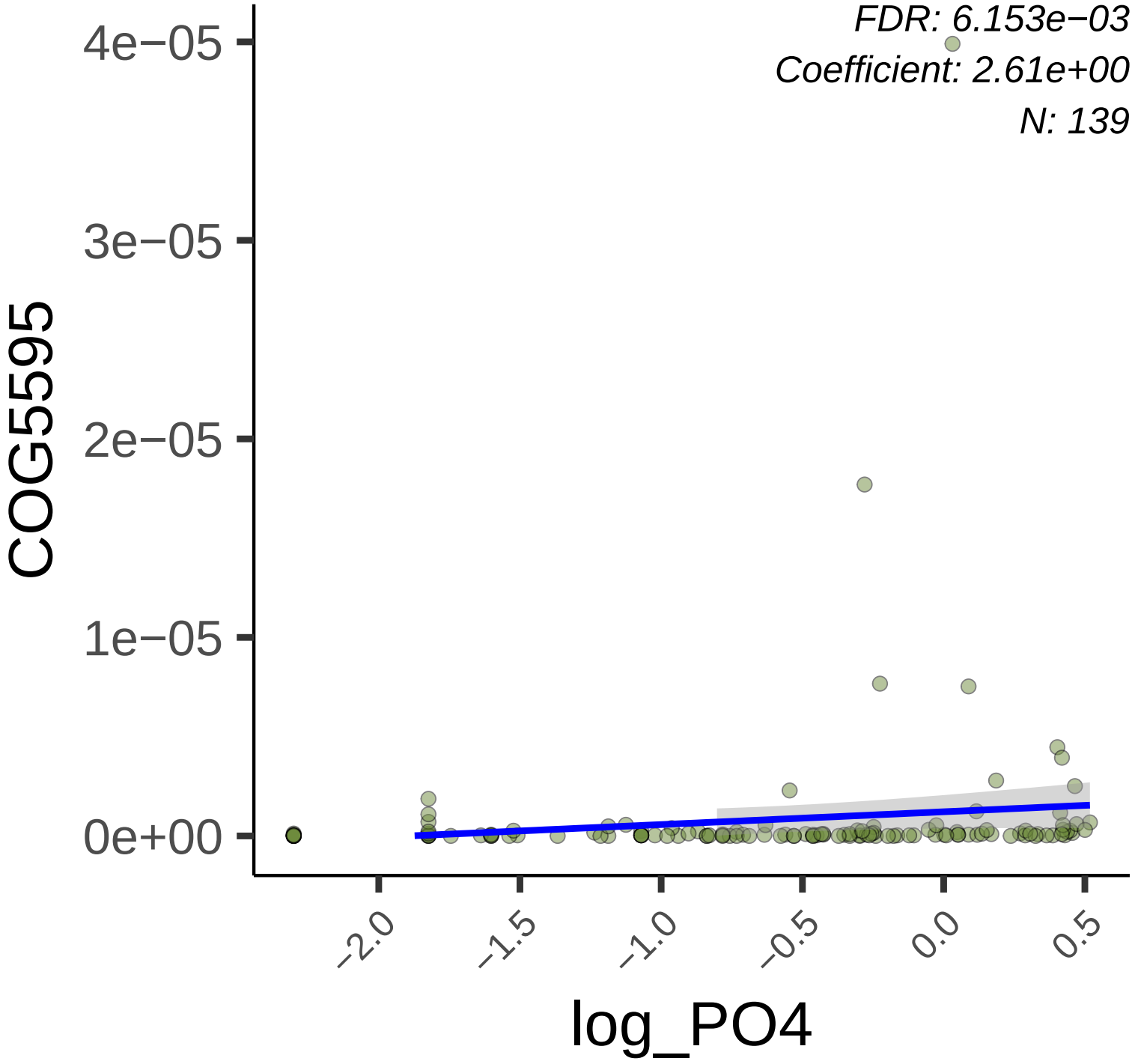
log_PO4


FDR: 6.153e−03
Coefficient: 2.61e+00
N: 139
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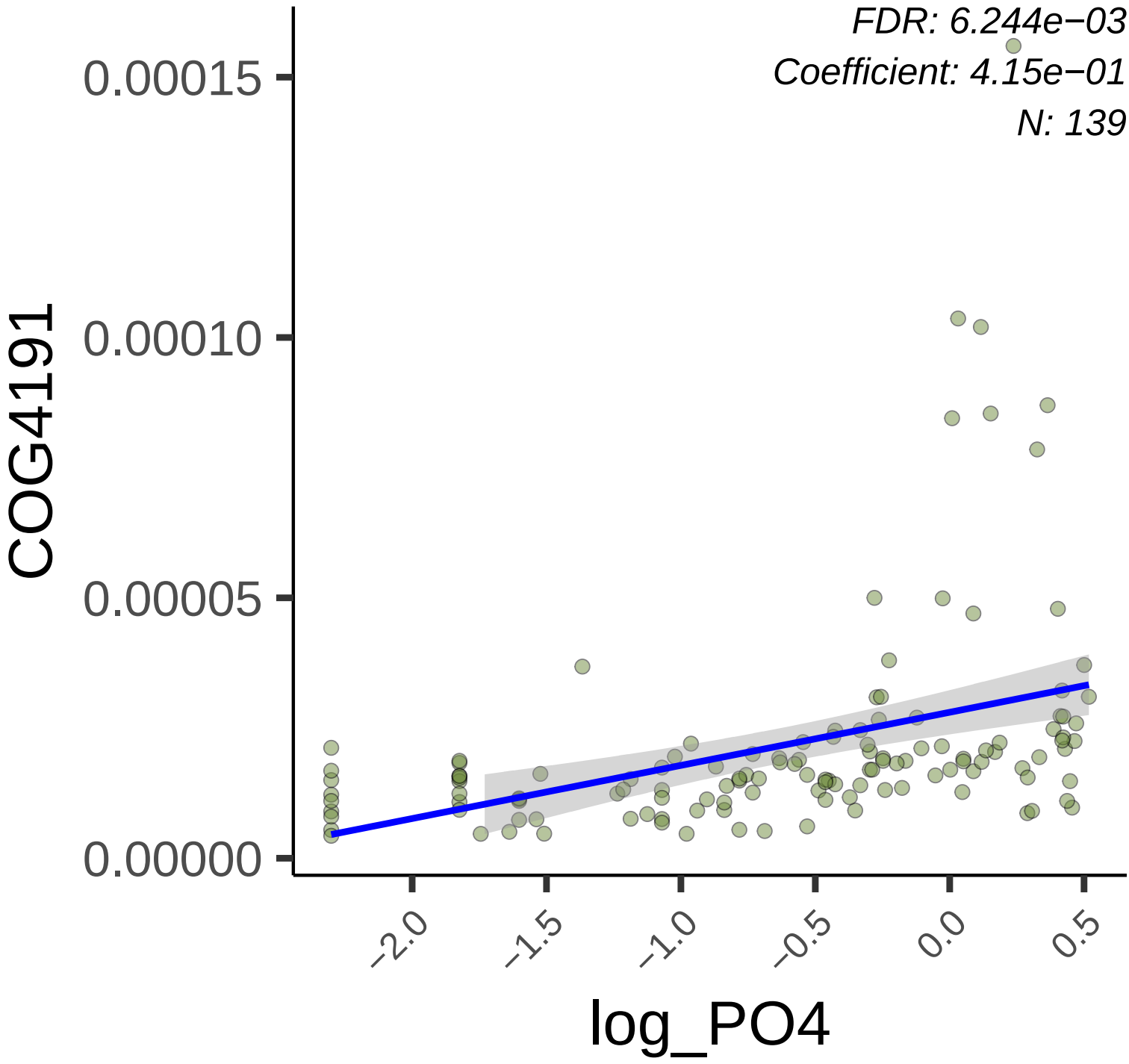
FDR: 6.244e−03
Coefficient: 4.15e−01
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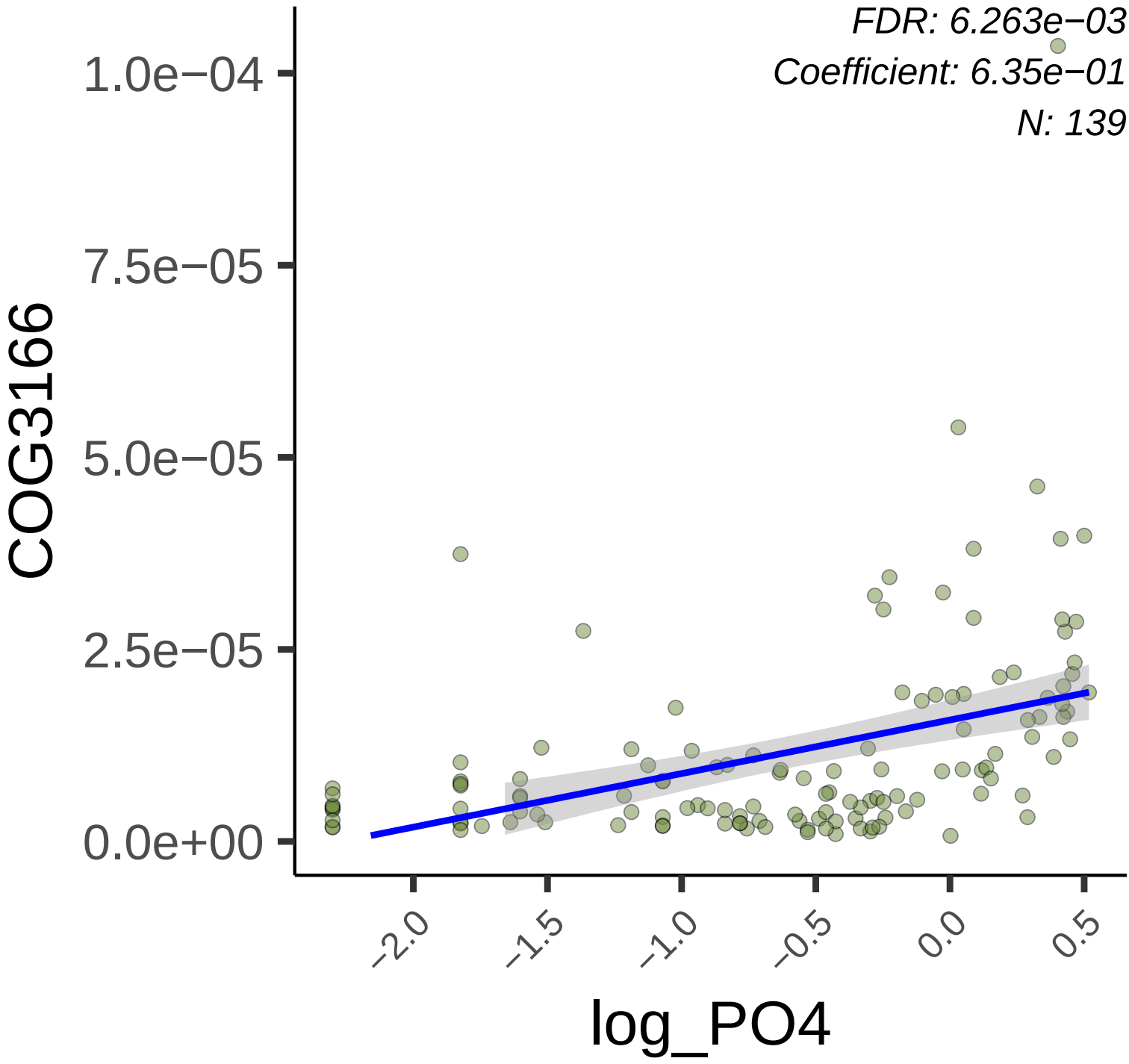
log_PO4


FDR: 6.263e−03
Coefficient: 6.35e−01
N: 139
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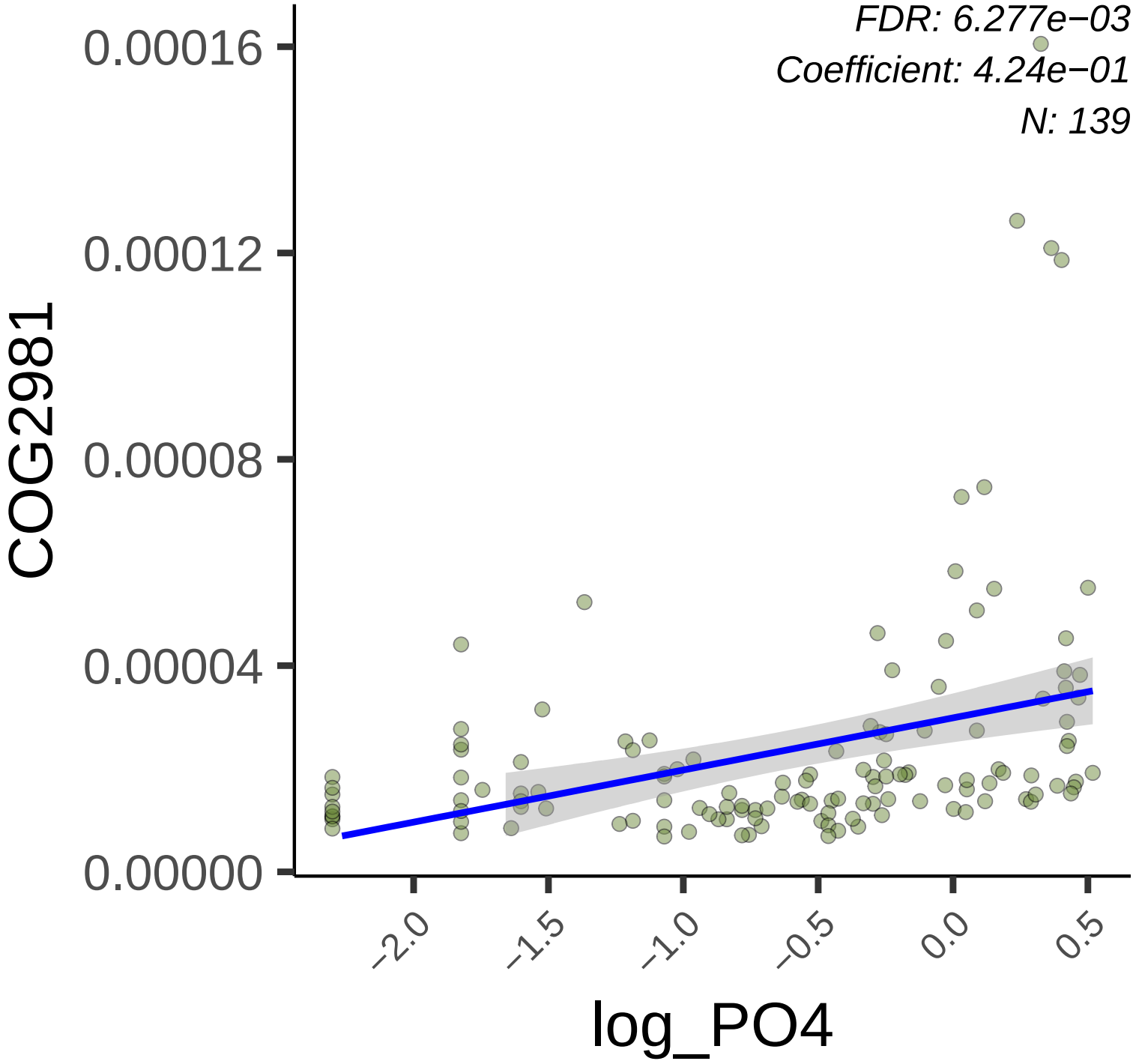
log_PO4


FDR: 6.277e−03
Coefficient: 4.24e−01
N: 139
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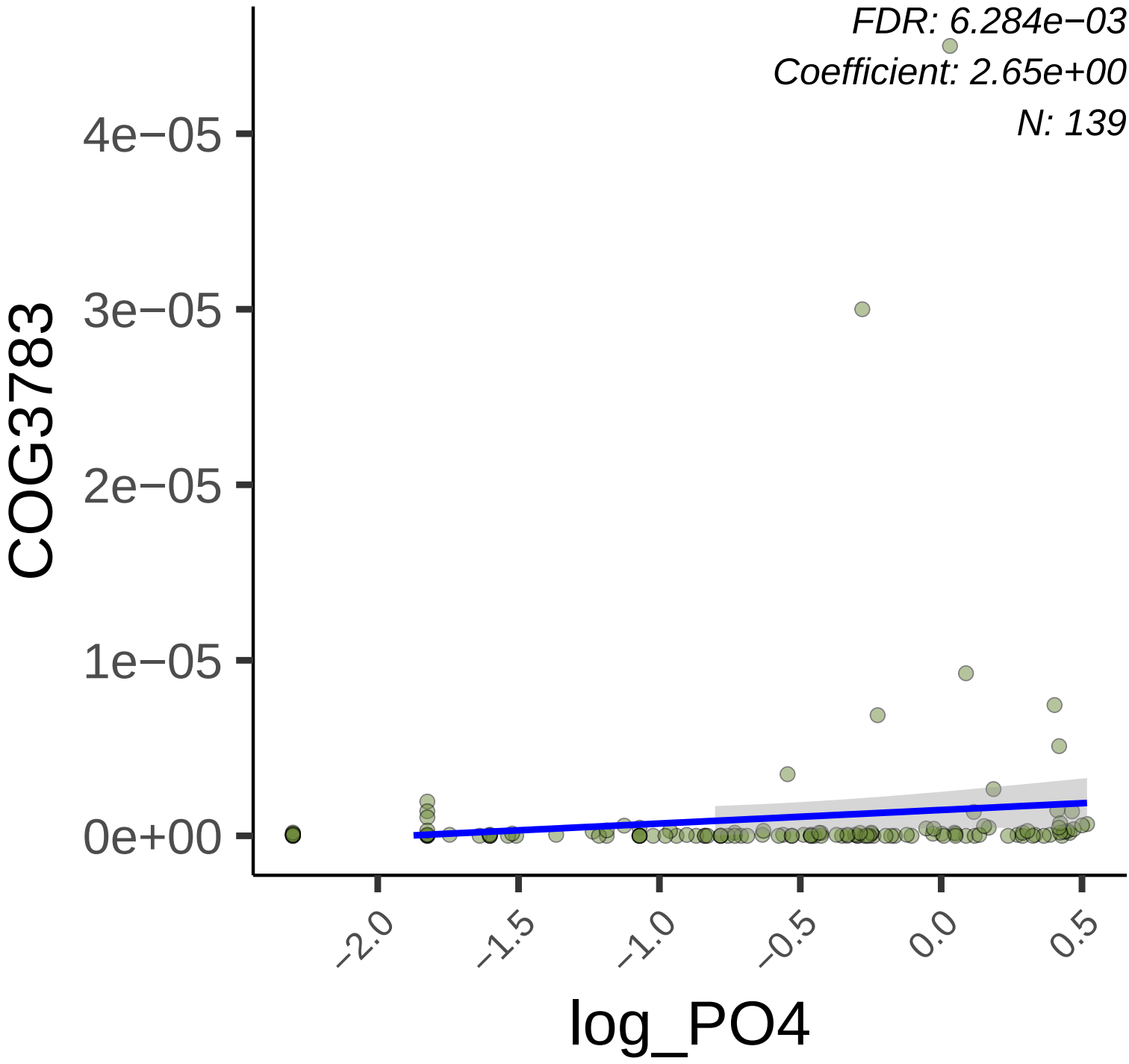
log_PO4


FDR: 6.284e−03
Coefficient: 2.65e+00
N: 139
COG3783
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3e−05
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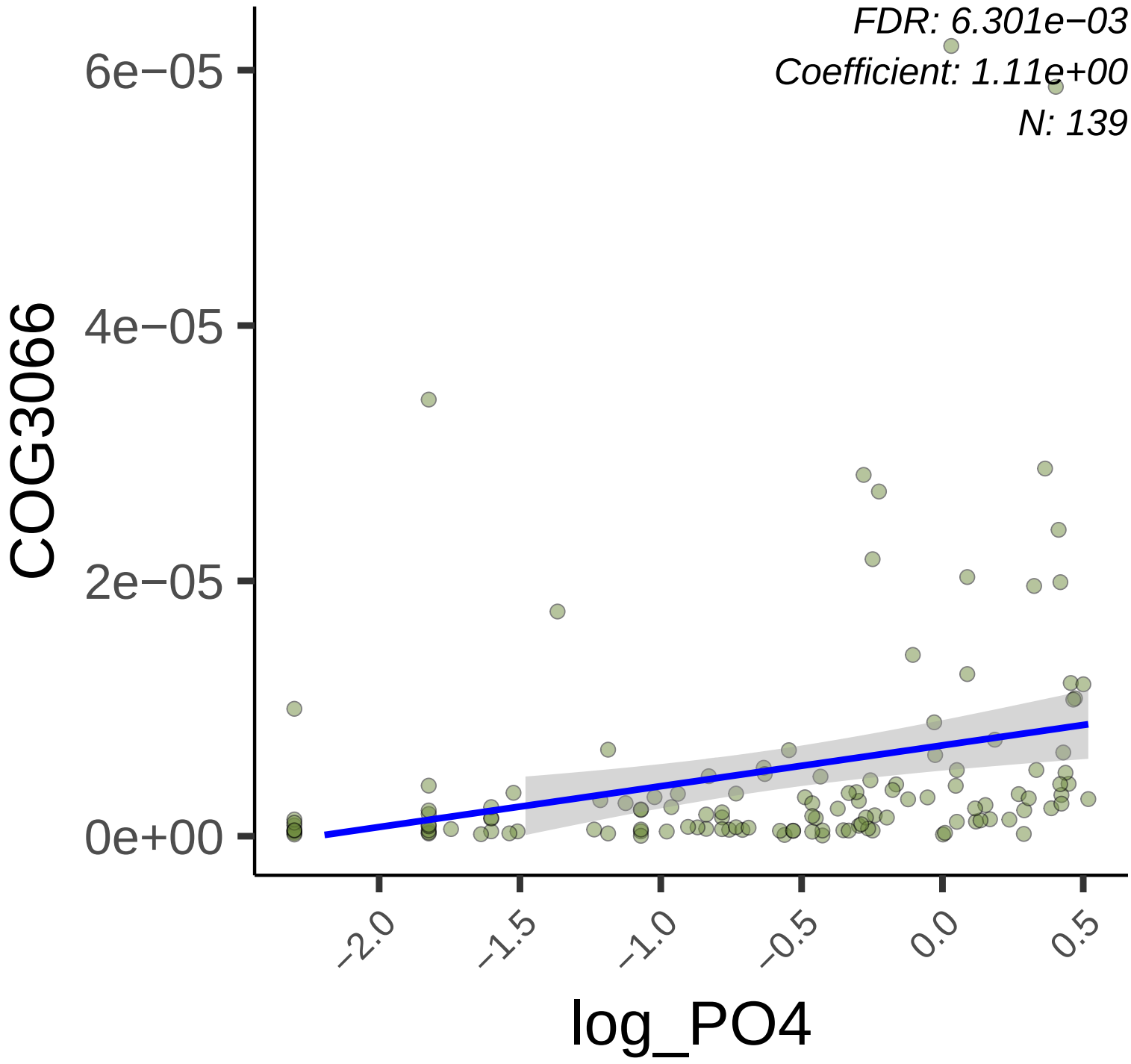
log_PO4


FDR: 6.301e−03
Coefficient: 1.11e+00
N: 139
COG3066
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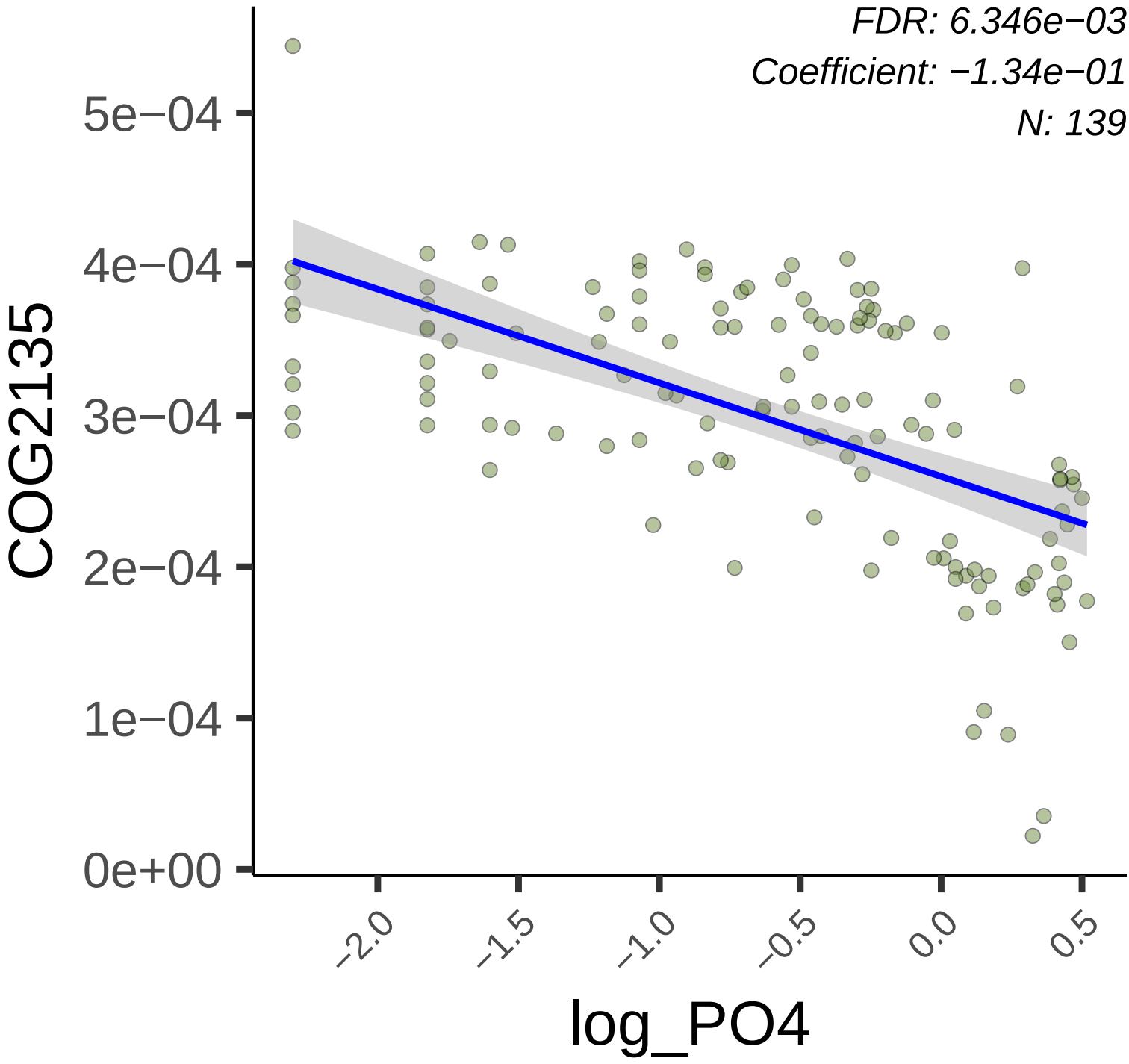
log_PO4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Coefficient: −1.34e−01
N: 139
COG2135
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4e−04
3e−04
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−1.5
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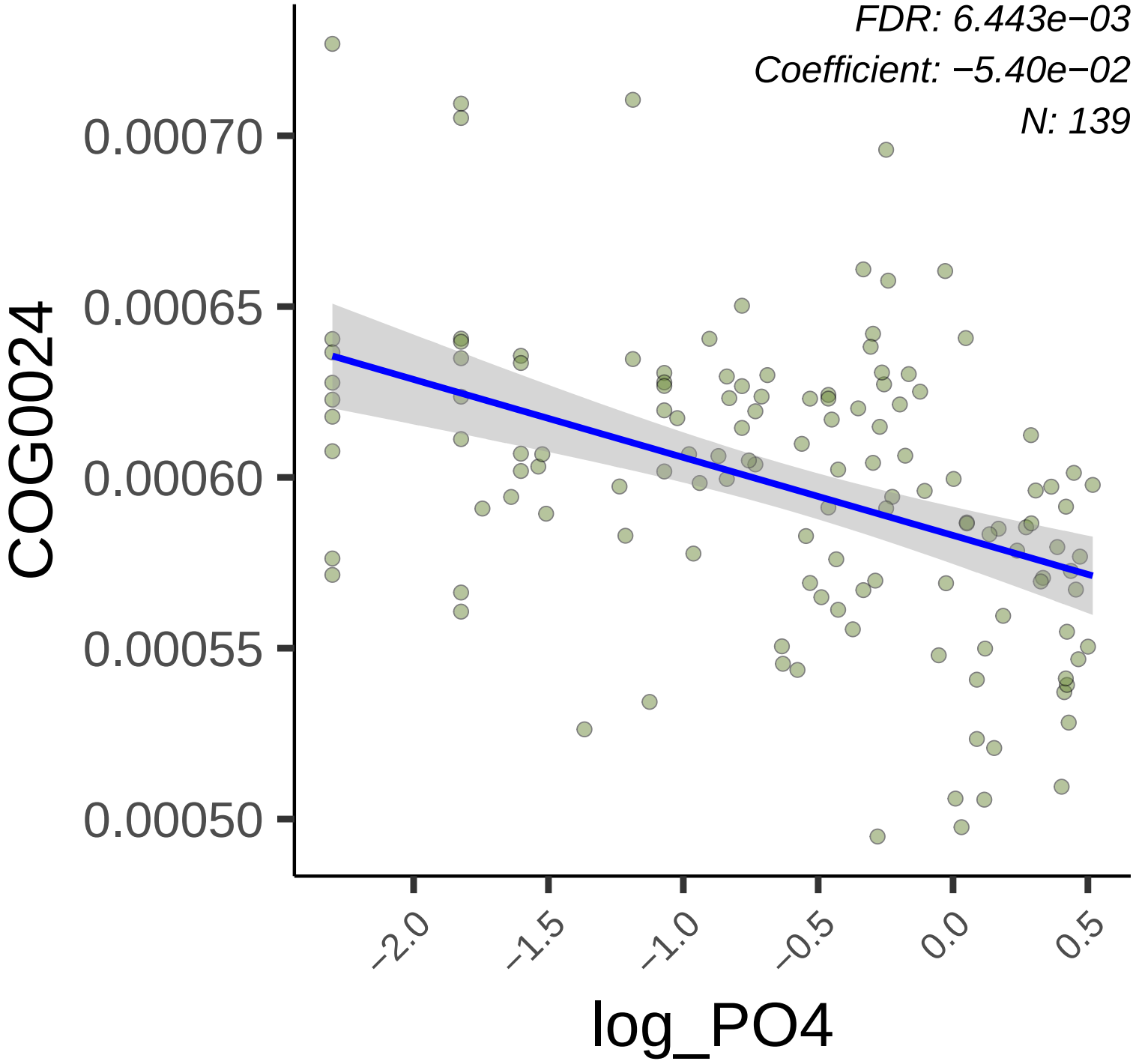
log_PO4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Coefficient: −5.40e−02
N: 139
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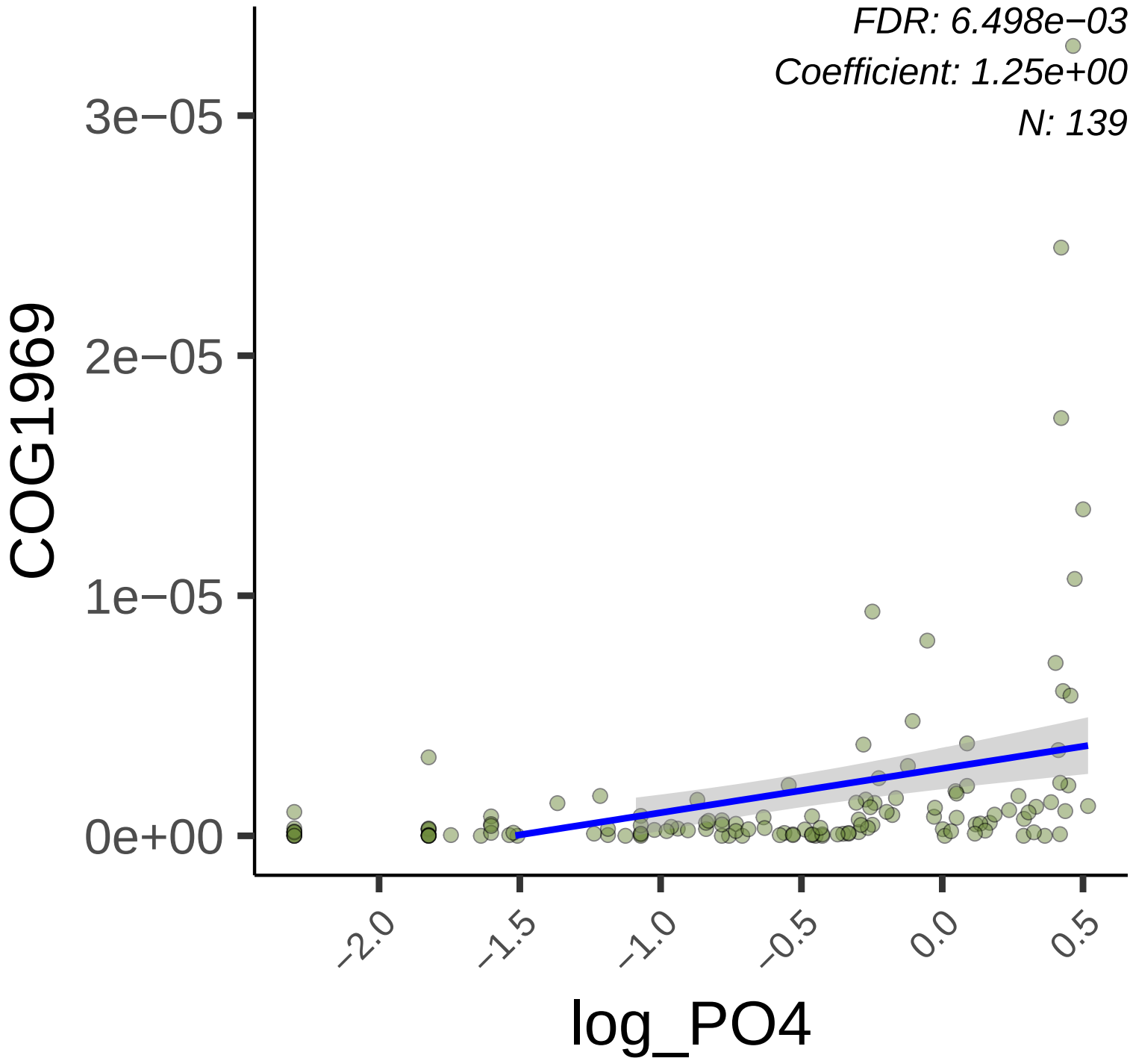
log_PO4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Coefficient: 1.25e+00
N: 139
COG1969
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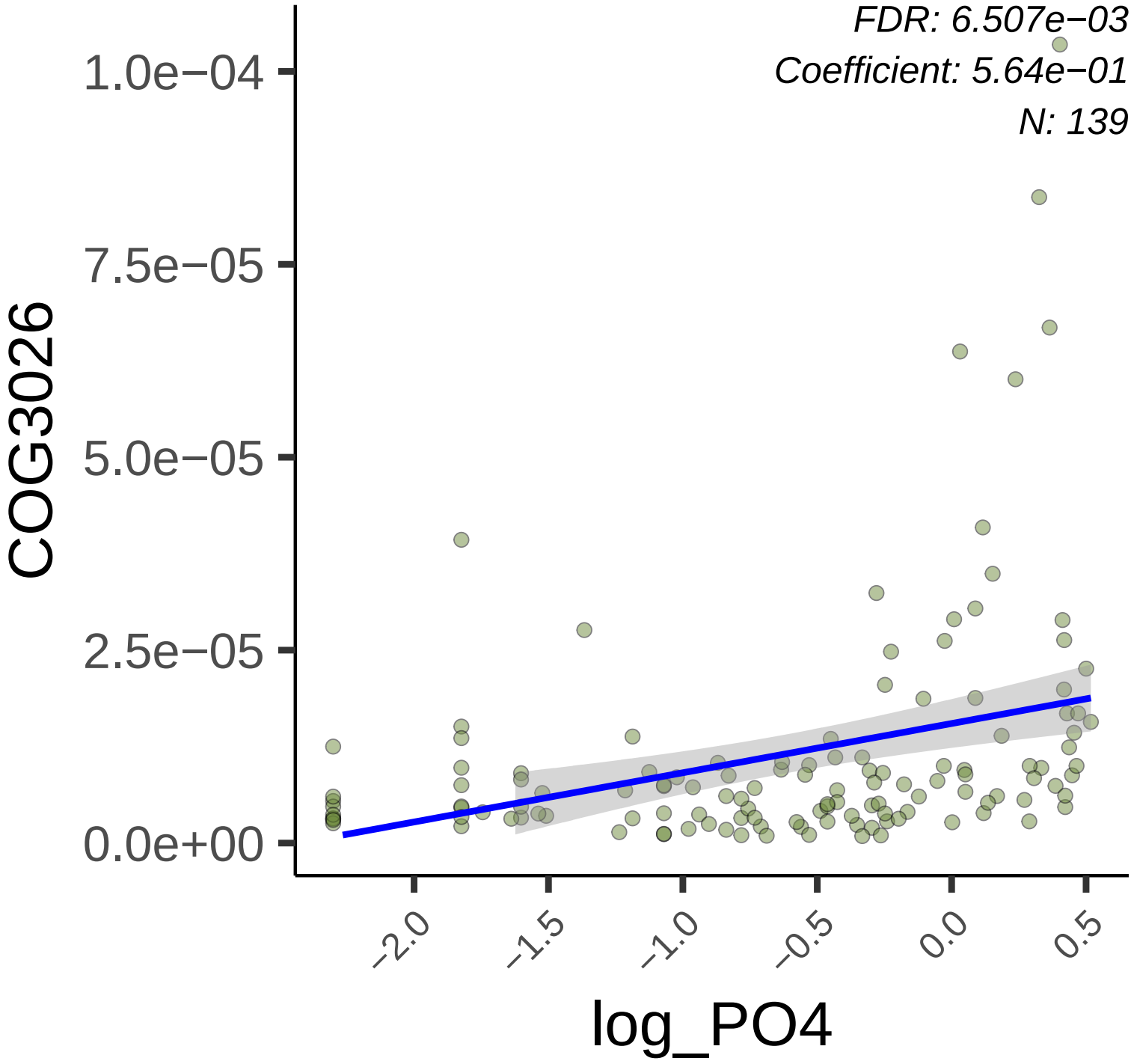
log_PO4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Coefficient: 5.64e−01
N: 139
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5.0e−05
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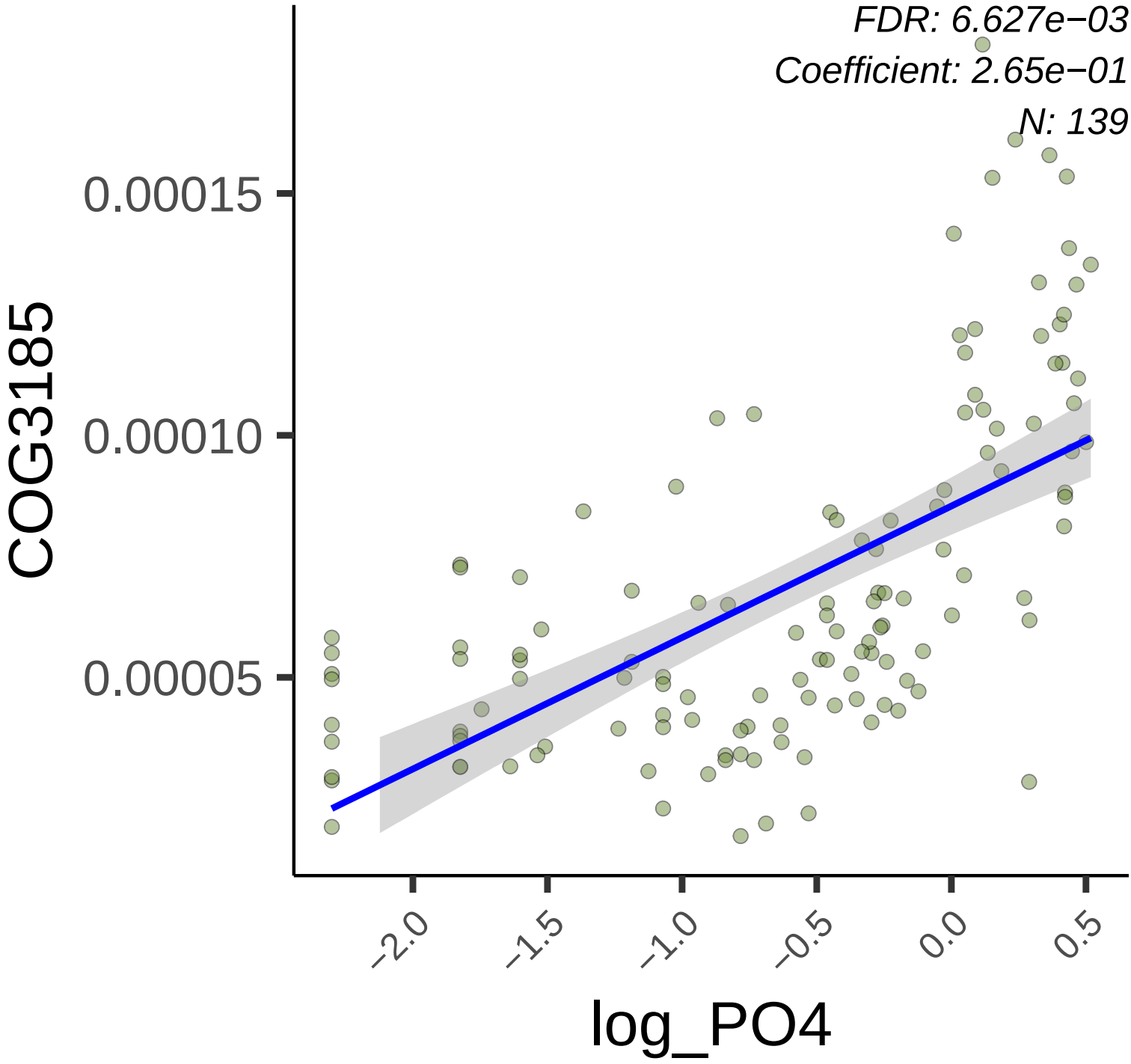
log_PO4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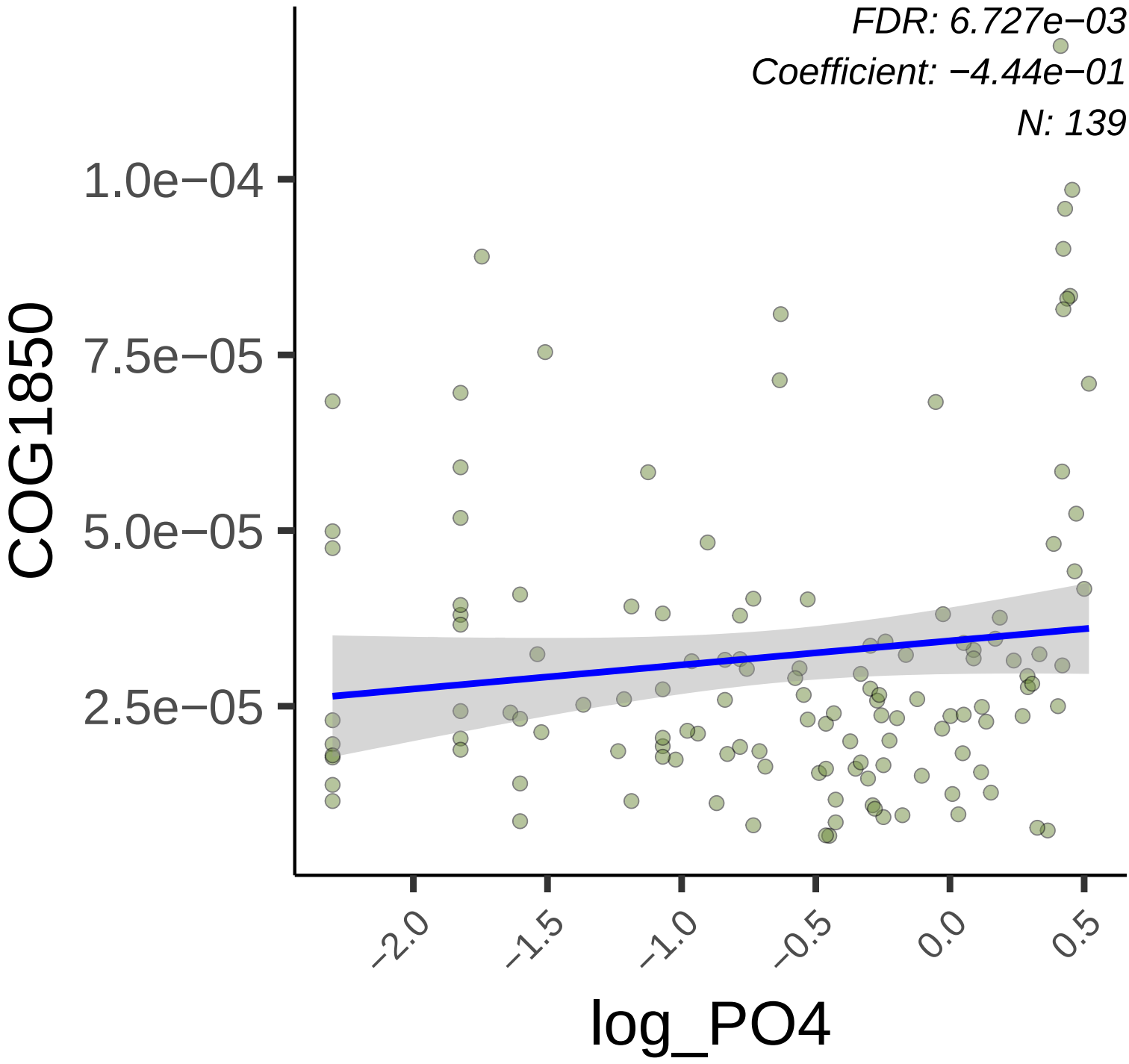
log_PO4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Coefficient: −4.44e−01
N: 139
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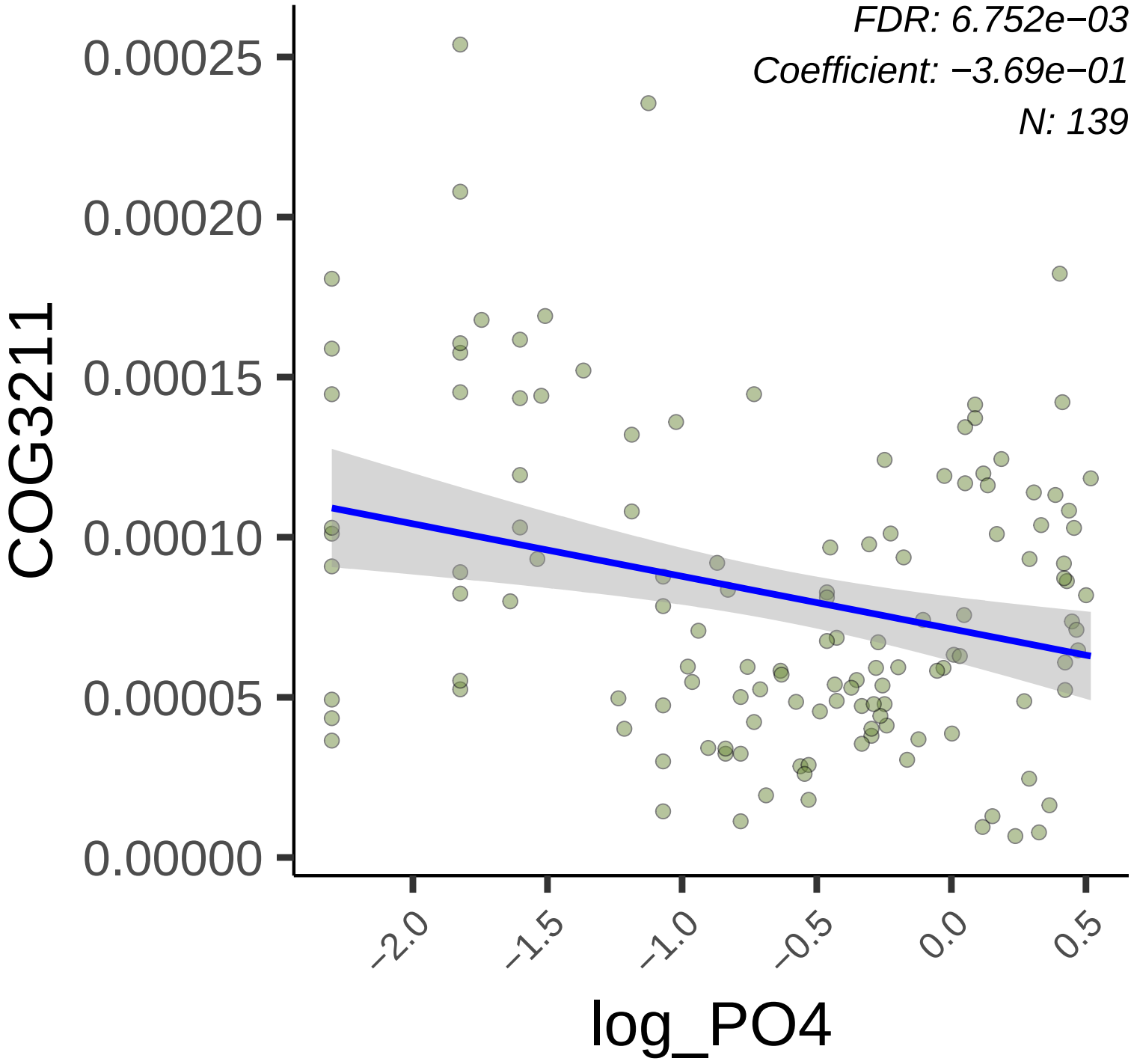
log_PO4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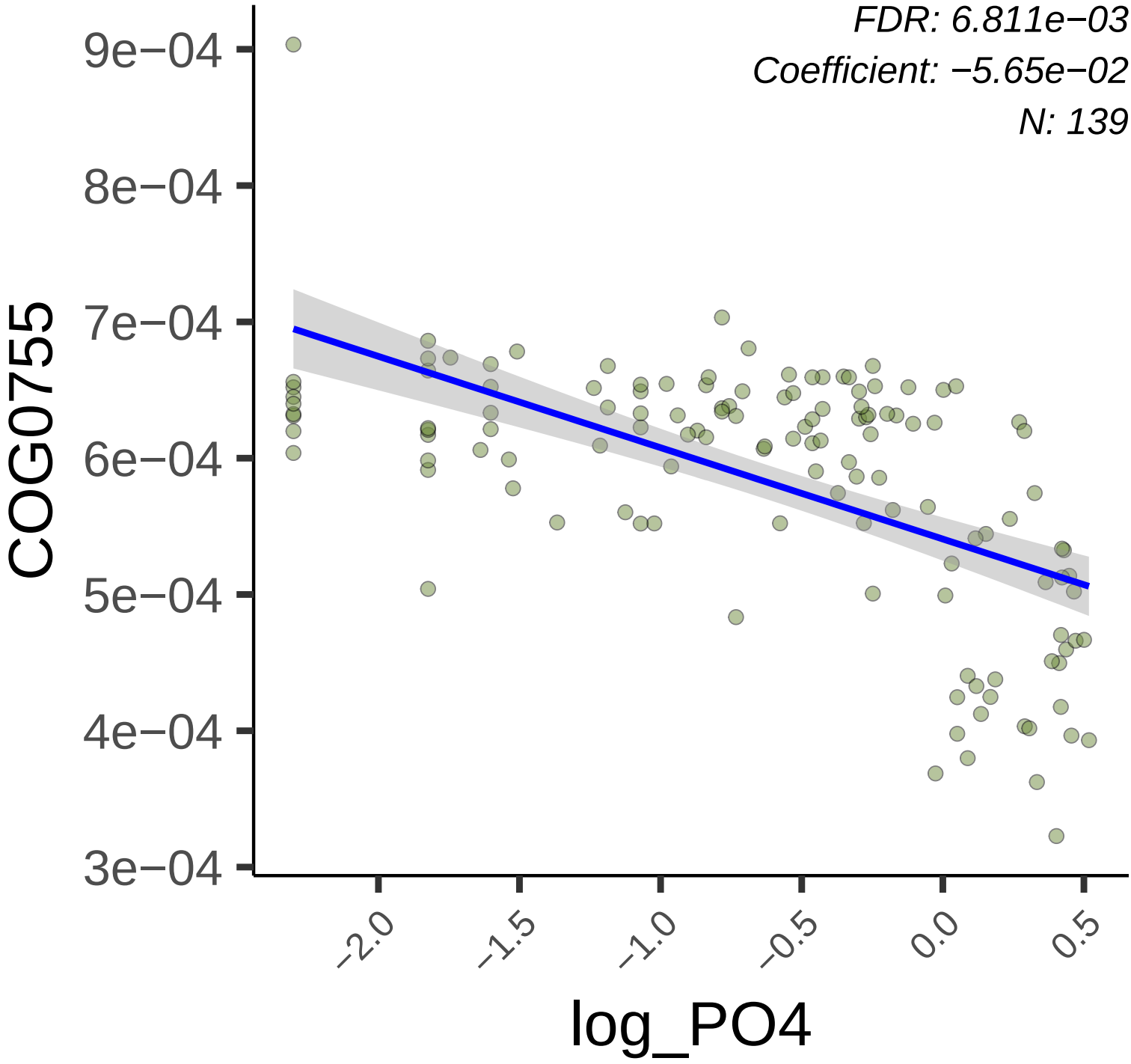
log_PO4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Coefficient: −5.65e−02
N: 139
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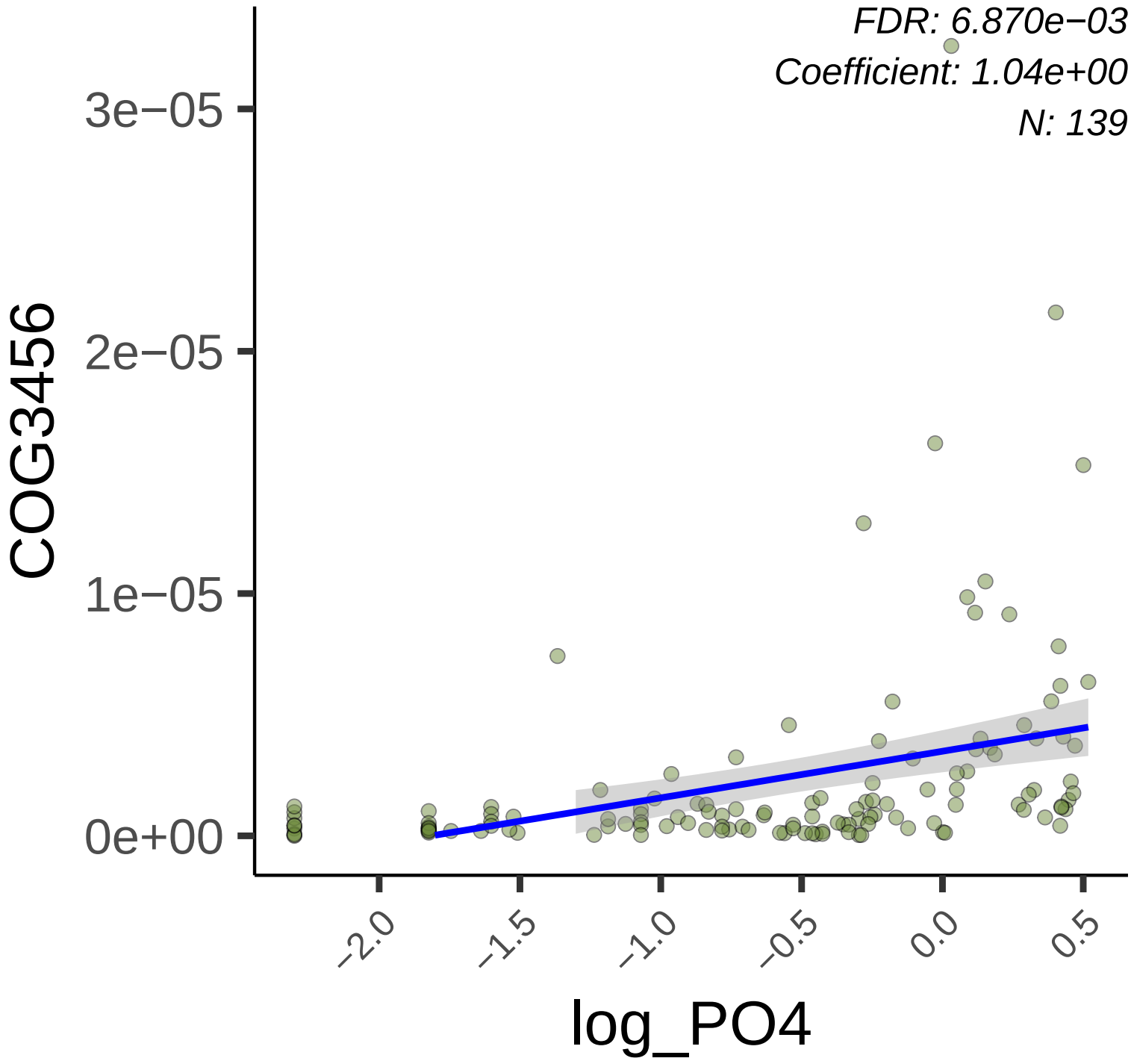
log_PO4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Coefficient: 1.04e+00
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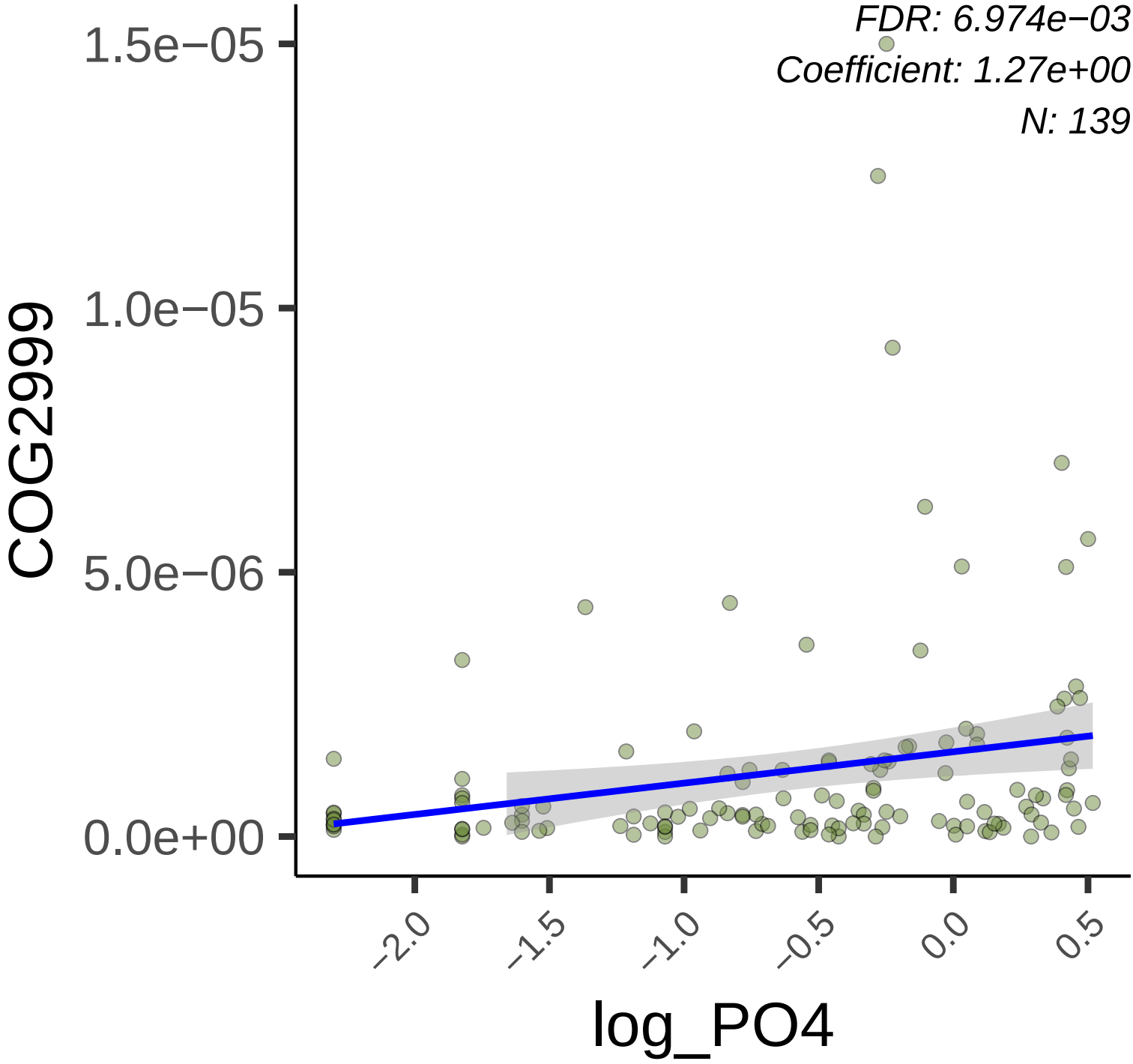
log_PO4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Coefficient: 1.27e+00
N: 139
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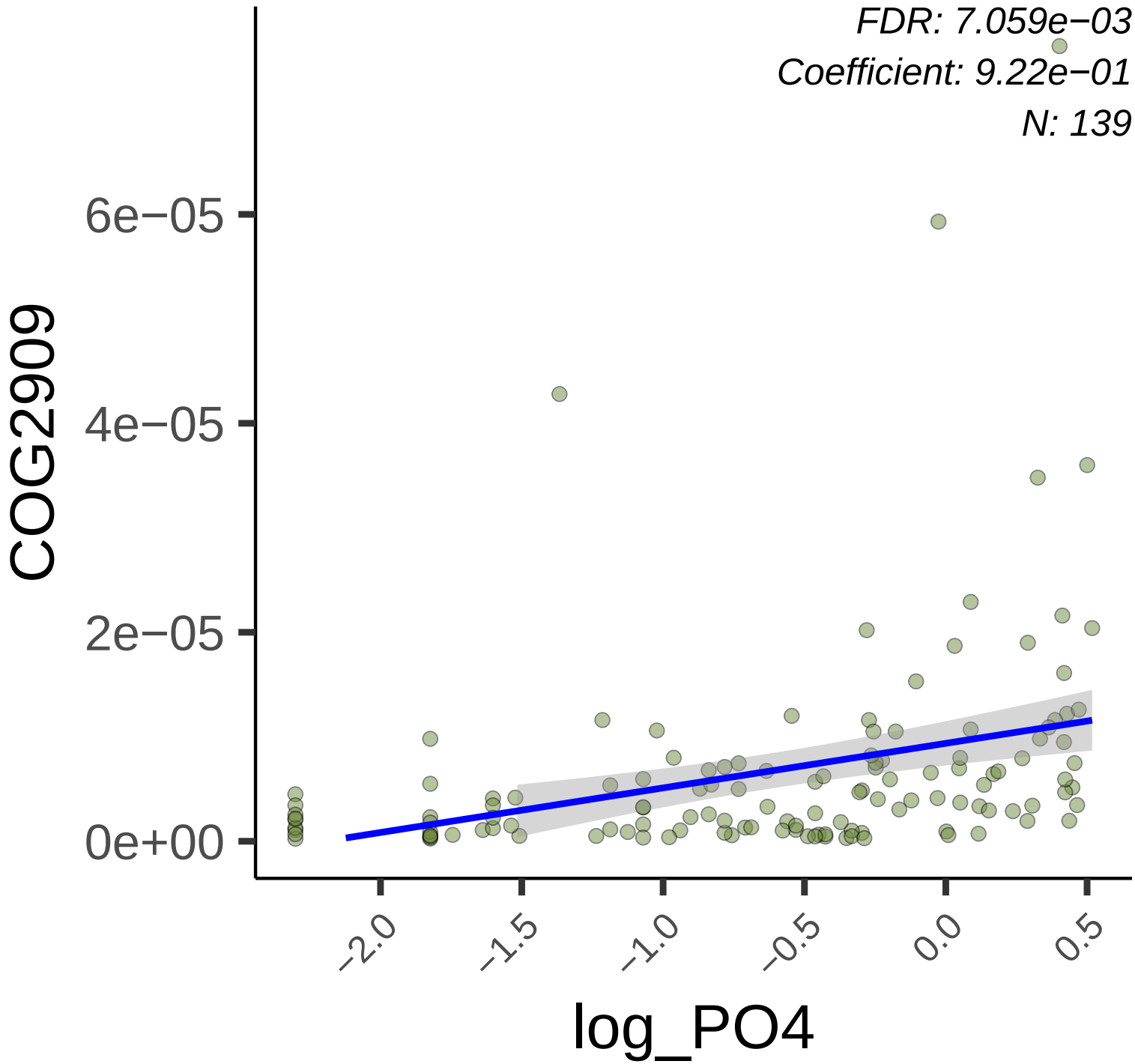
log_PO4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Coefficient: 9.22e−01
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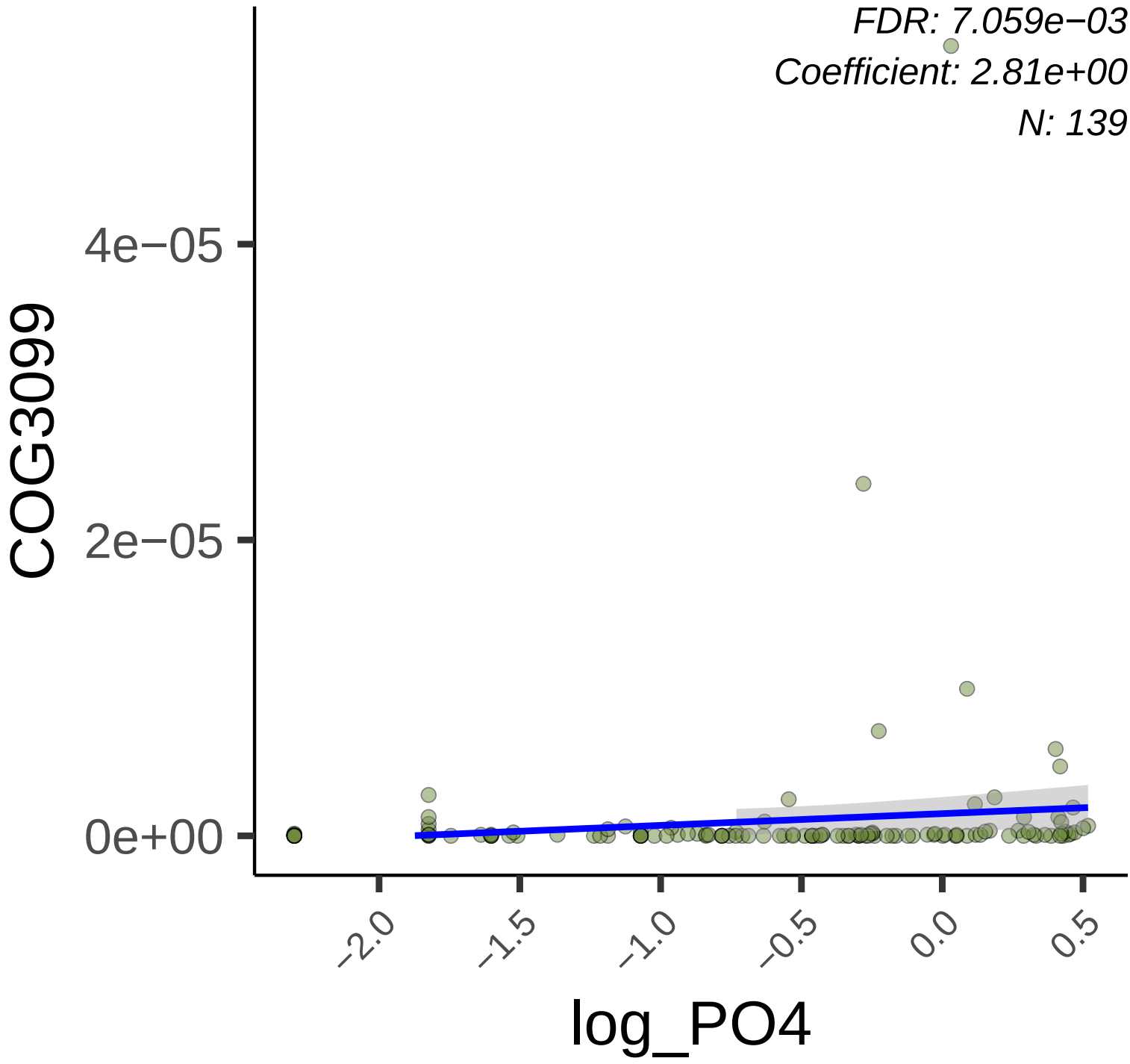
log_PO4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Coefficient: 2.81e+00
N: 139
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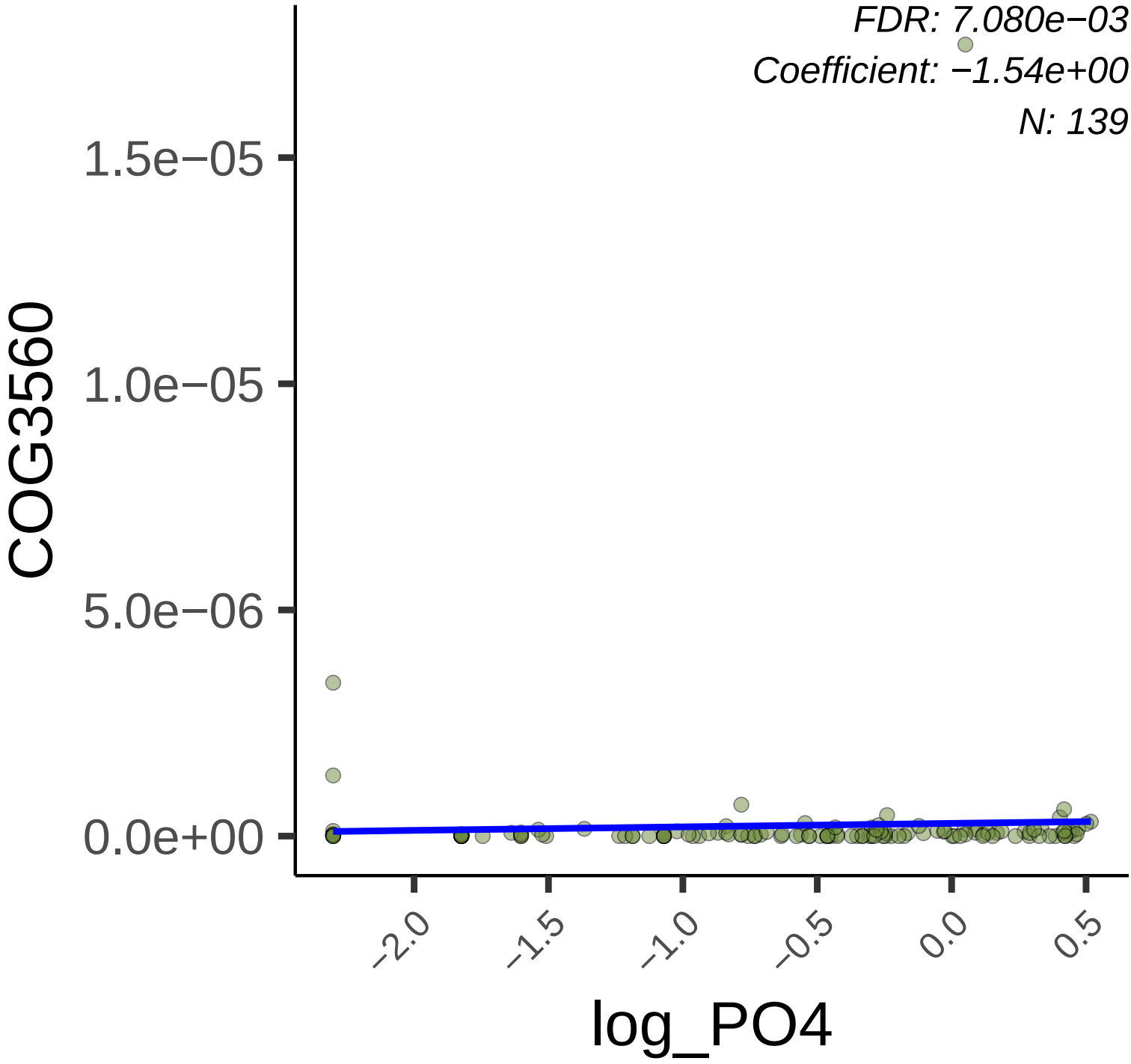
log_PO4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Coefficient: −1.54e+00
N: 139
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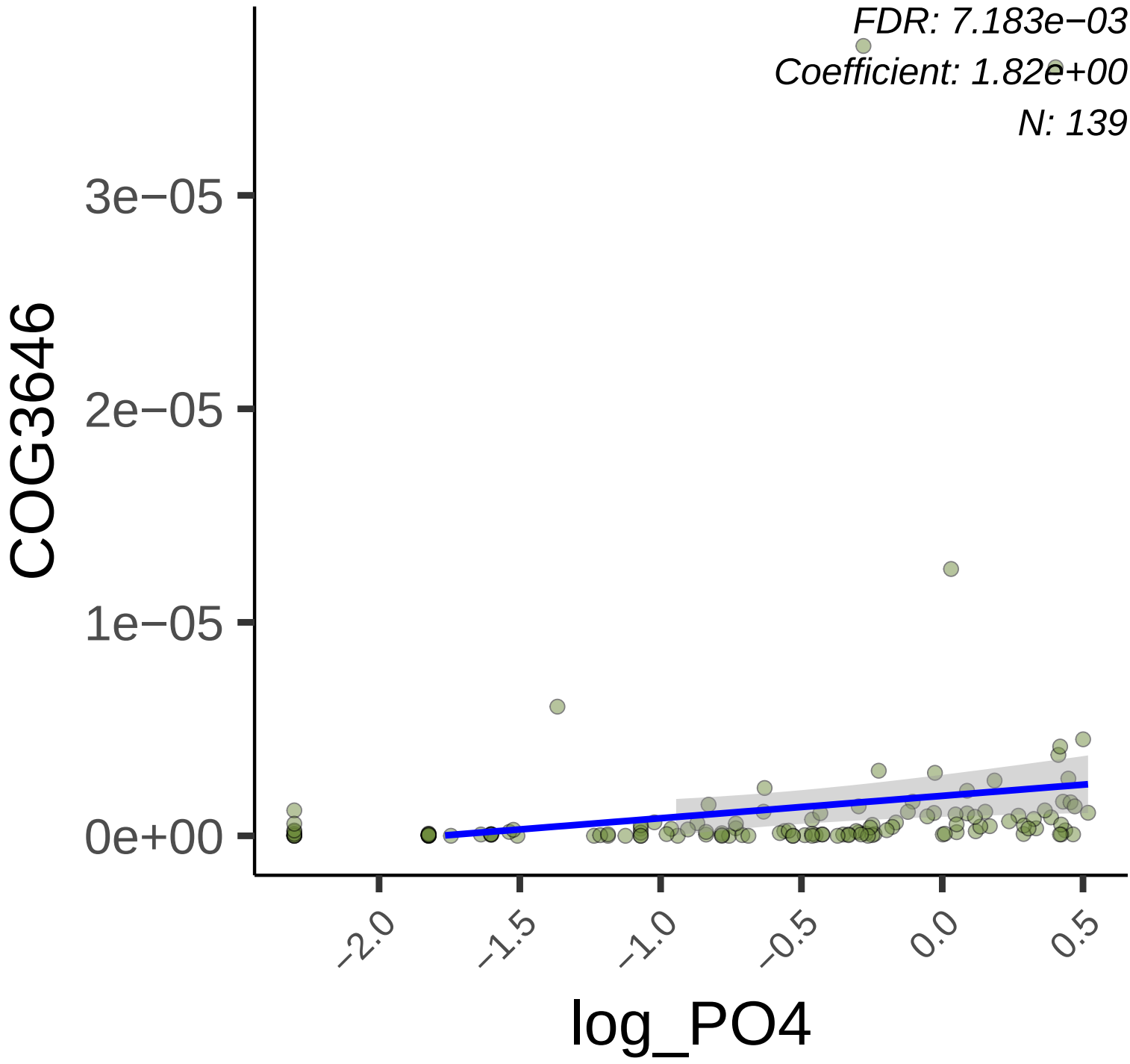
log_PO4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Coefficient: 1.82e+00
N: 139
COG3646
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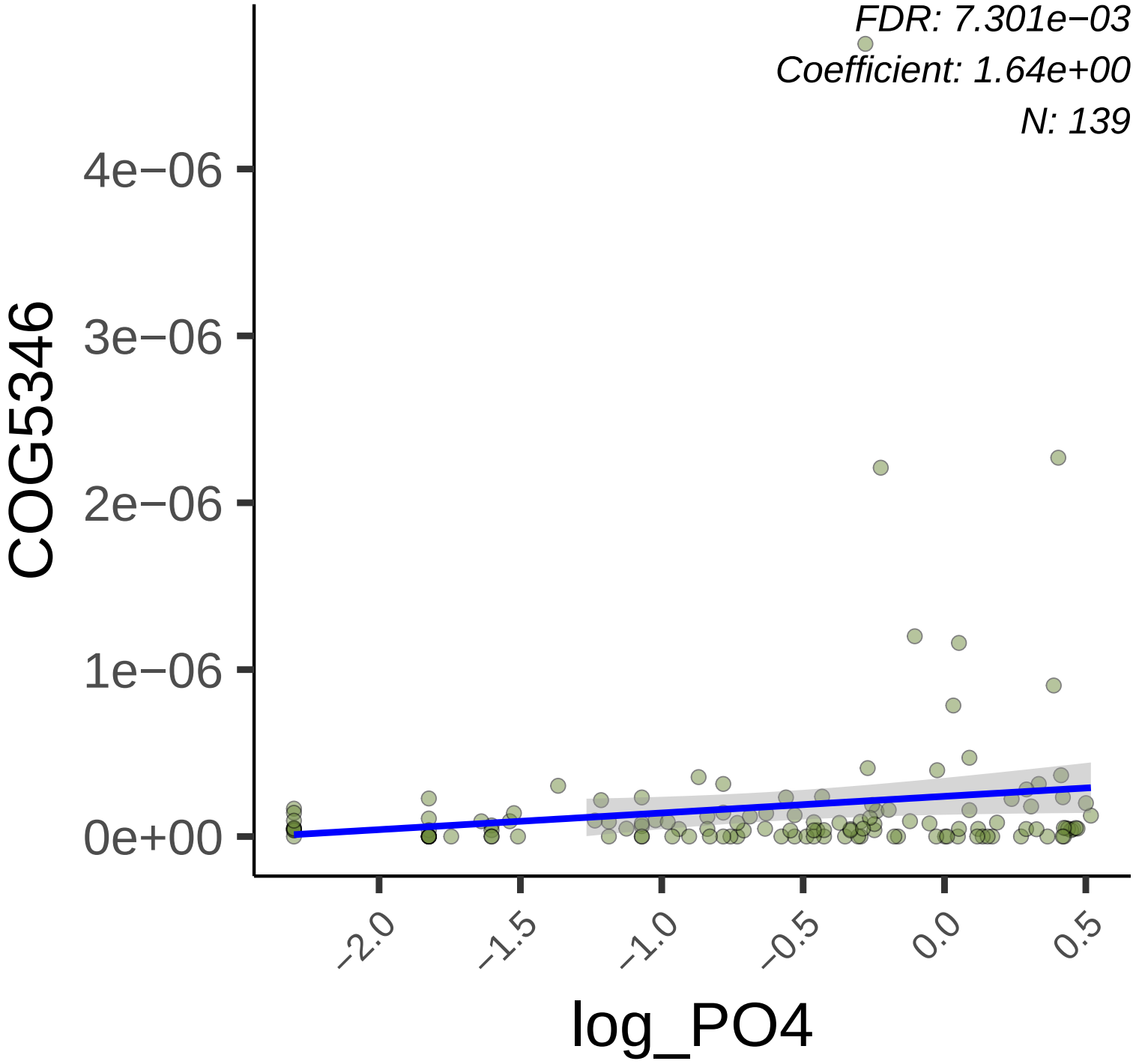
log_PO4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Coefficient: 1.64e+00
N: 139
COG5346
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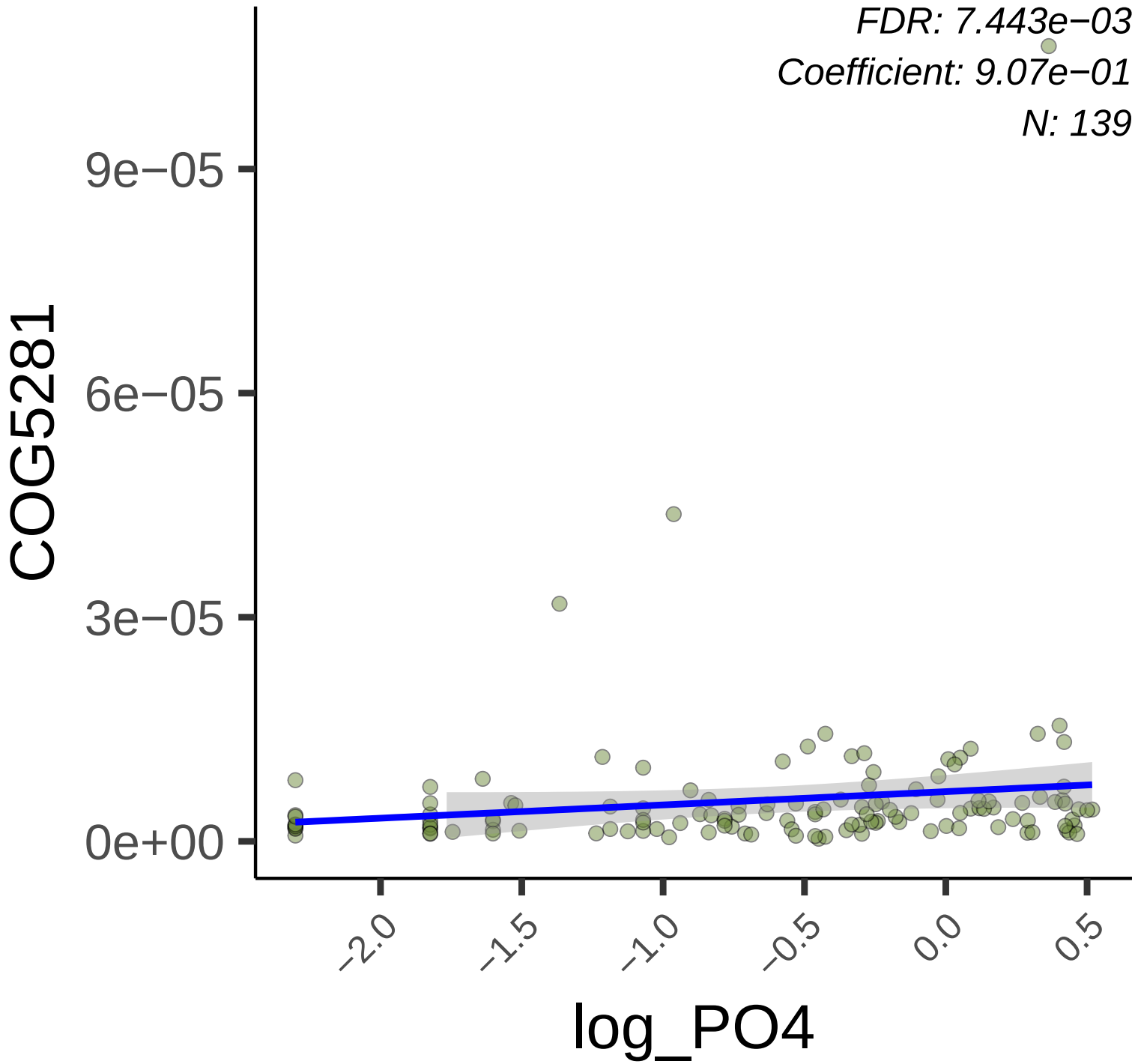
log_PO4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Coefficient: 9.07e−01
N: 139
COG5281
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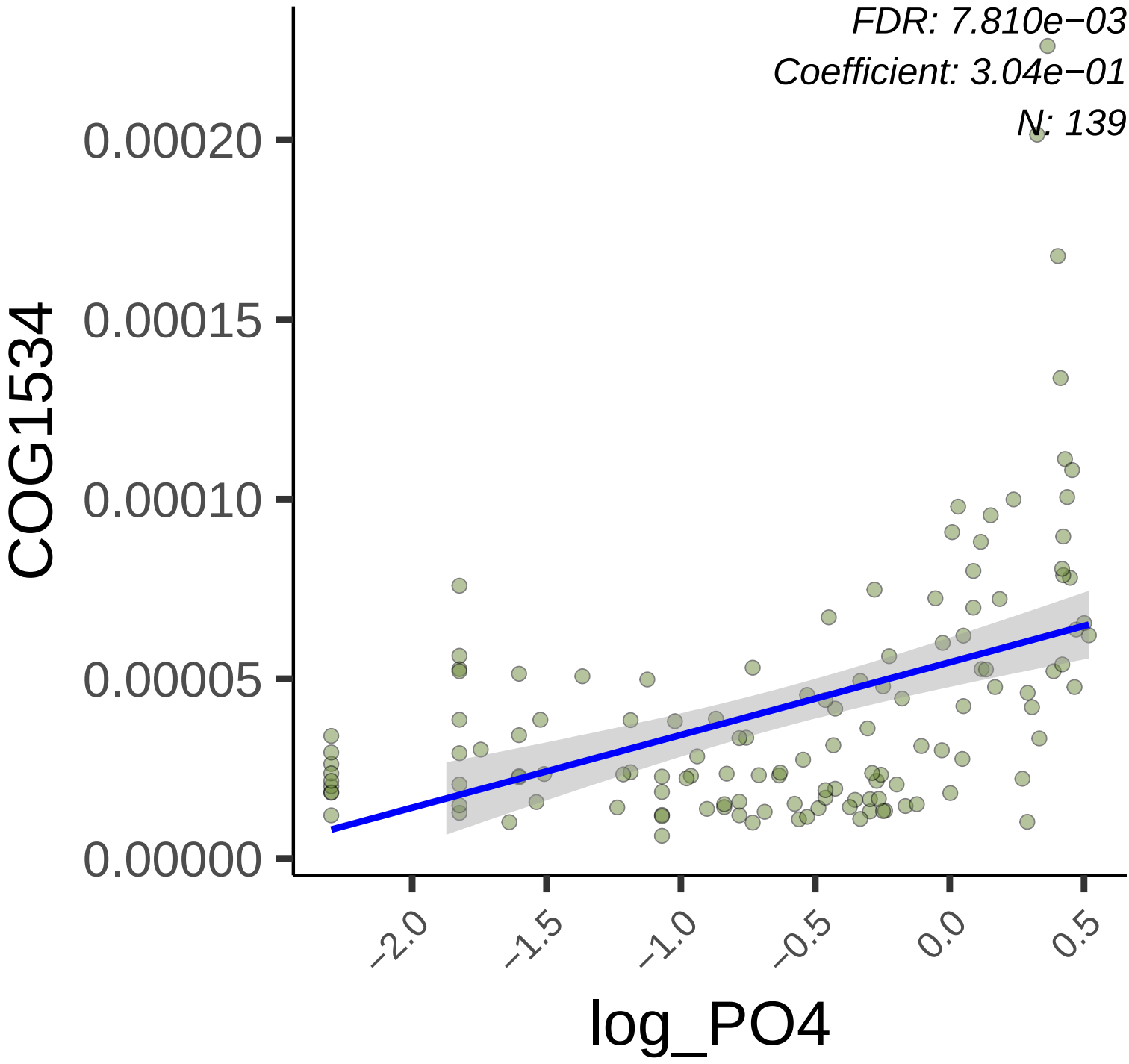
log_PO4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Coefficient: 3.04e−01
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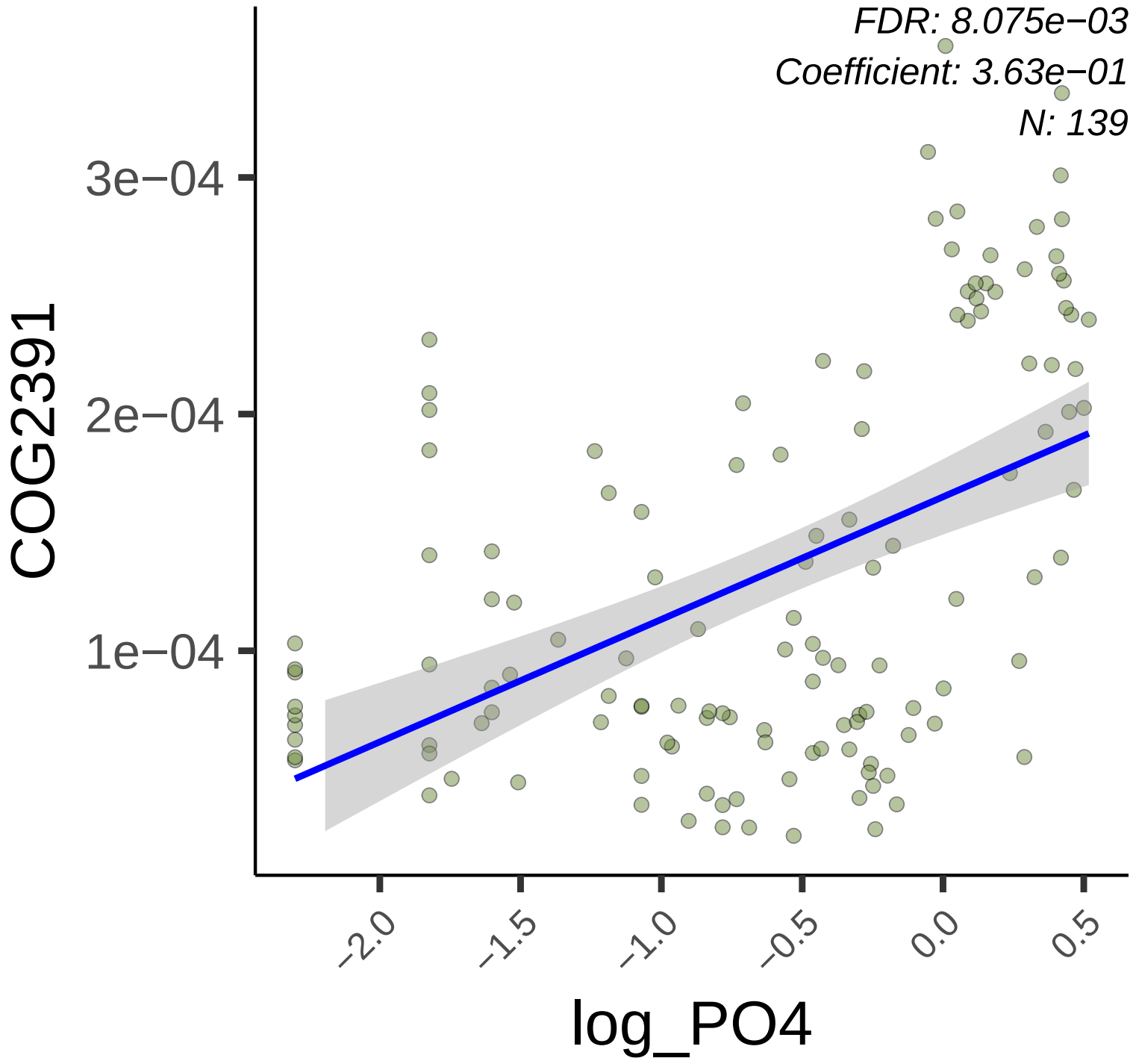
log_PO4


FDR: 8.075e−03
Coefficient: 3.63e−01
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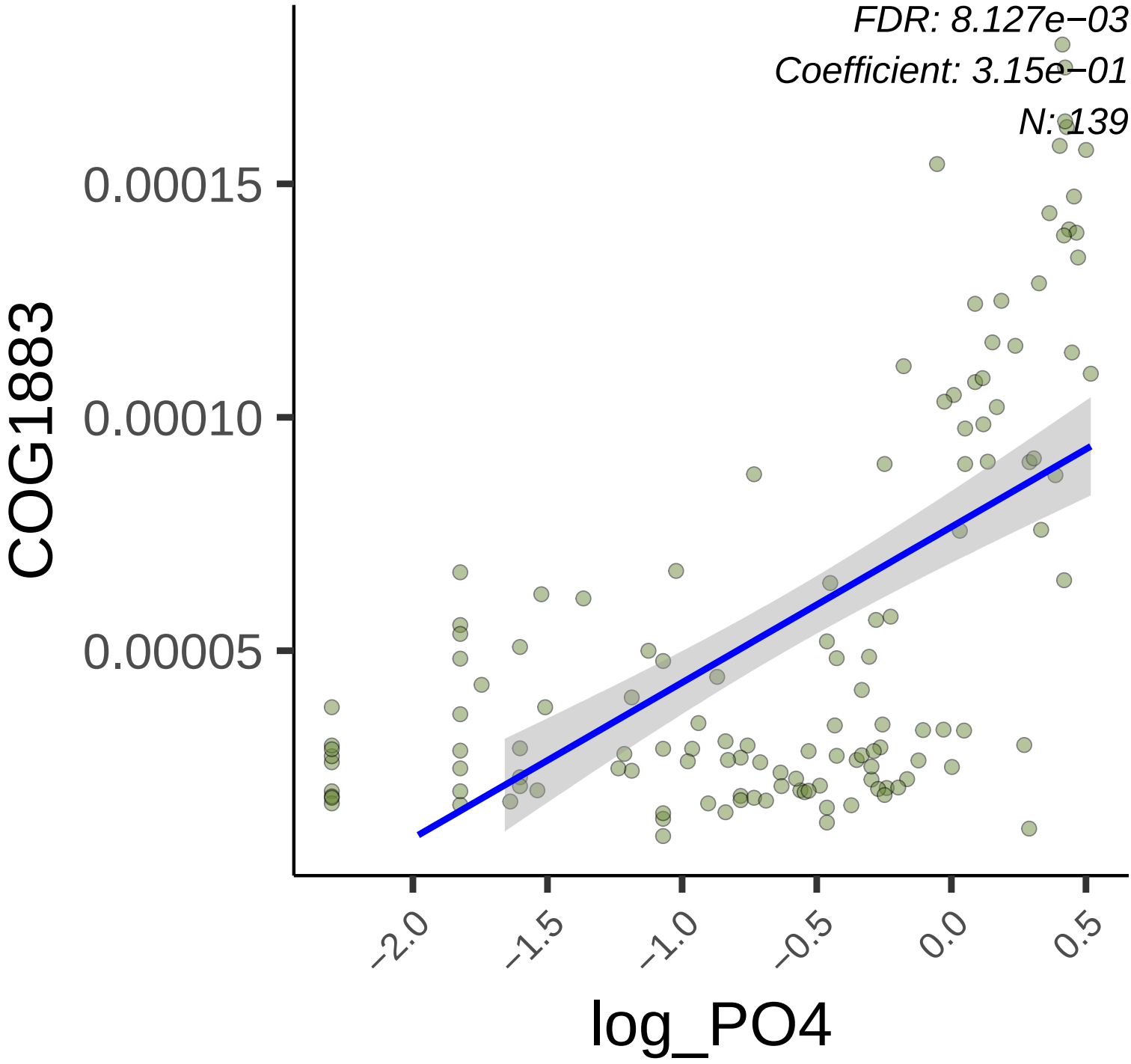
log_PO4


FDR: 8.127e−03
Coefficient: 3.15e−01
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COG1883
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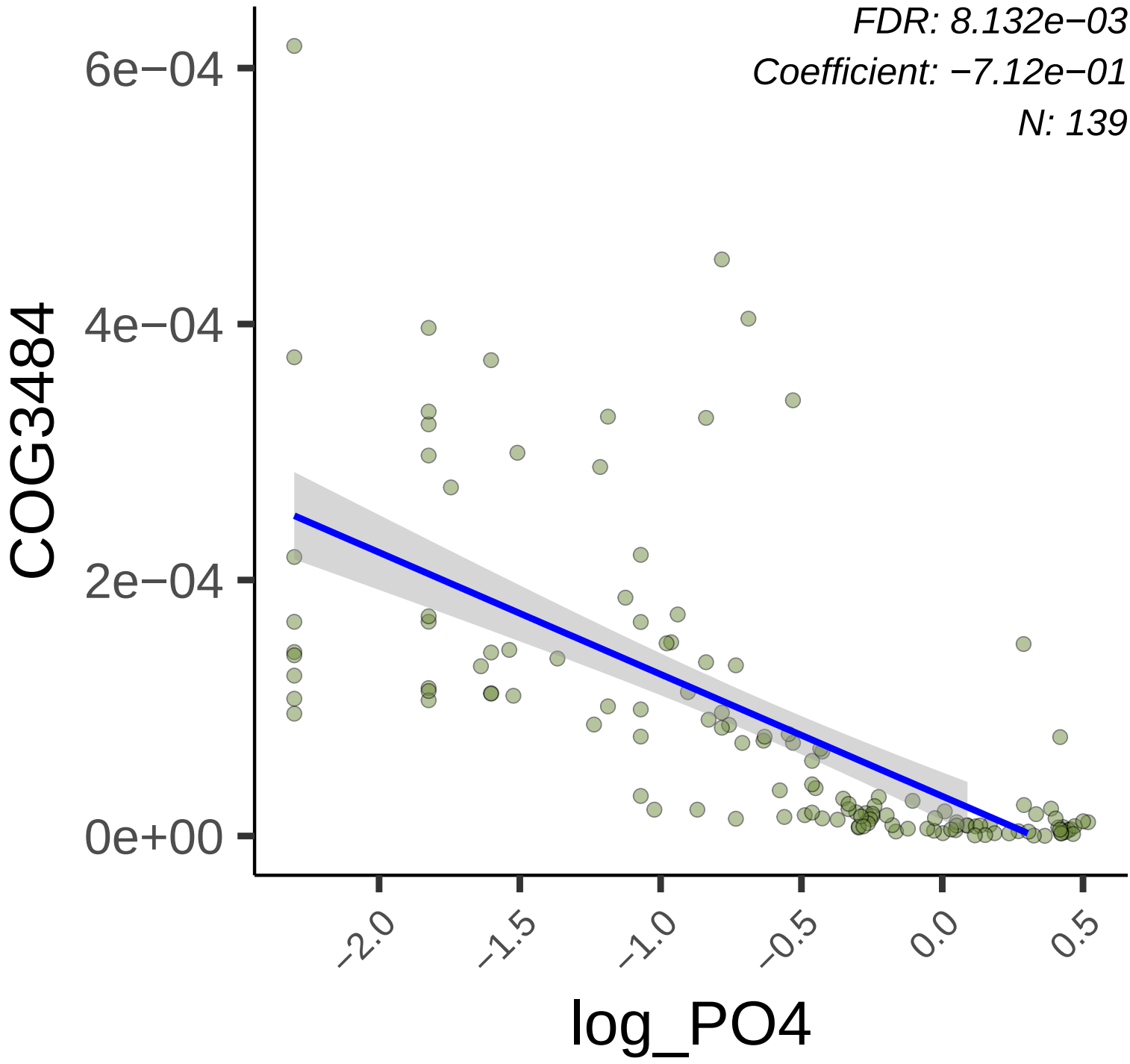
log_PO4


FDR: 8.132e−03
Coefficient: −7.12e−01
N: 139
COG3484
6e−04
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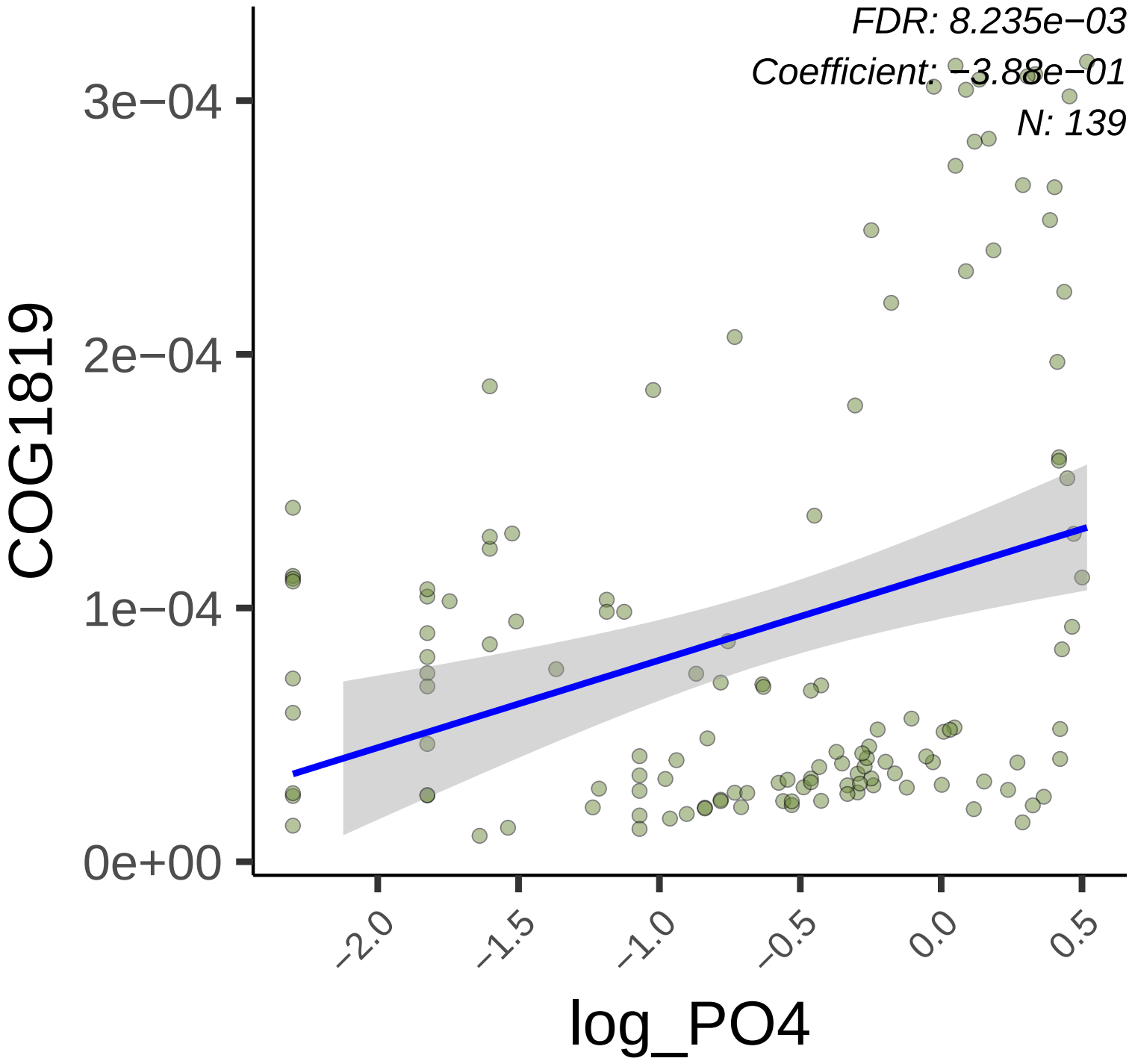
log_PO4


FDR: 8.235e−03
Coefficient: −3.88e−01
N: 139
COG1819
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−1.5
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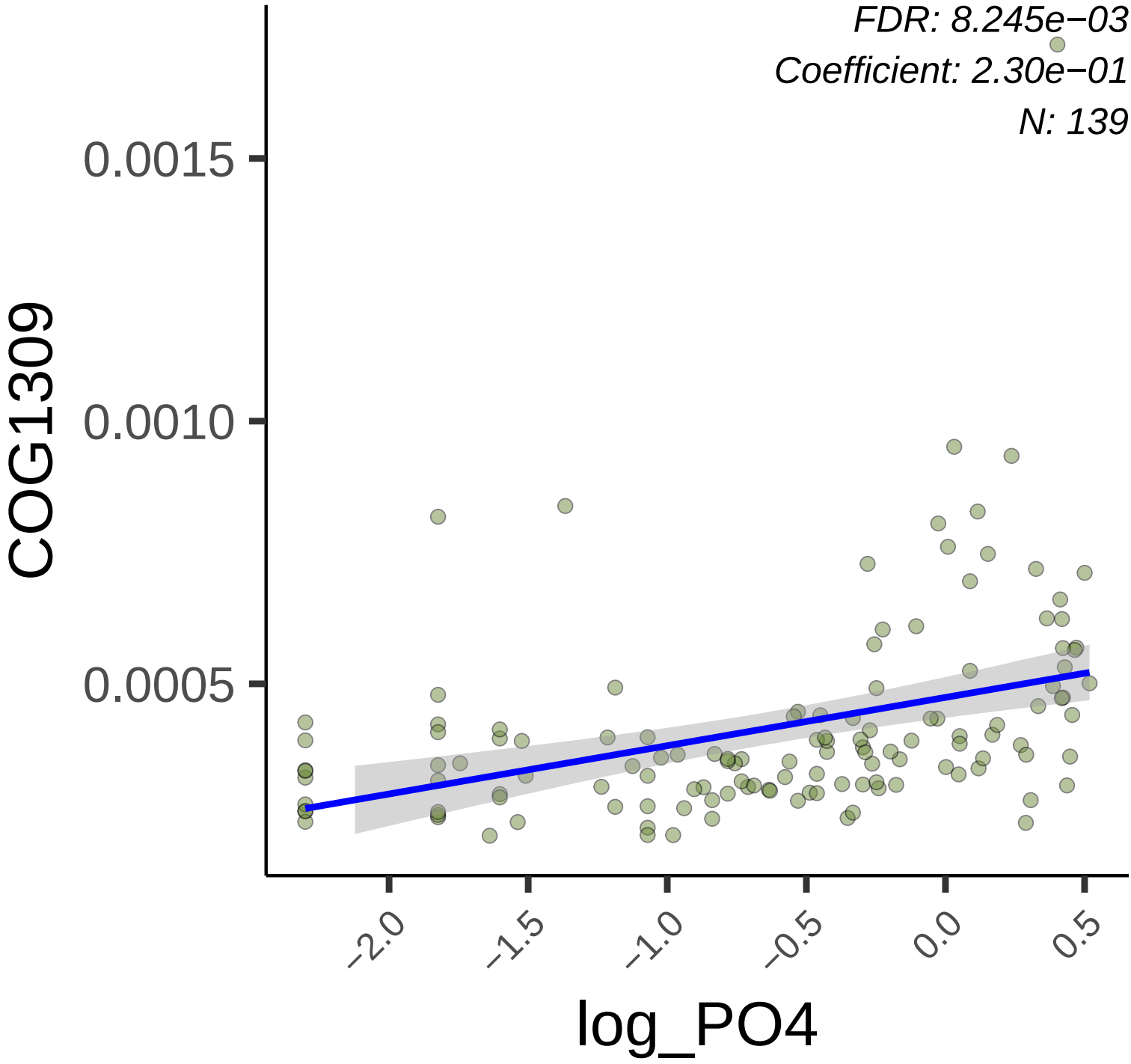
log_PO4


FDR: 8.245e−03
Coefficient: 2.30e−01
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COG1309
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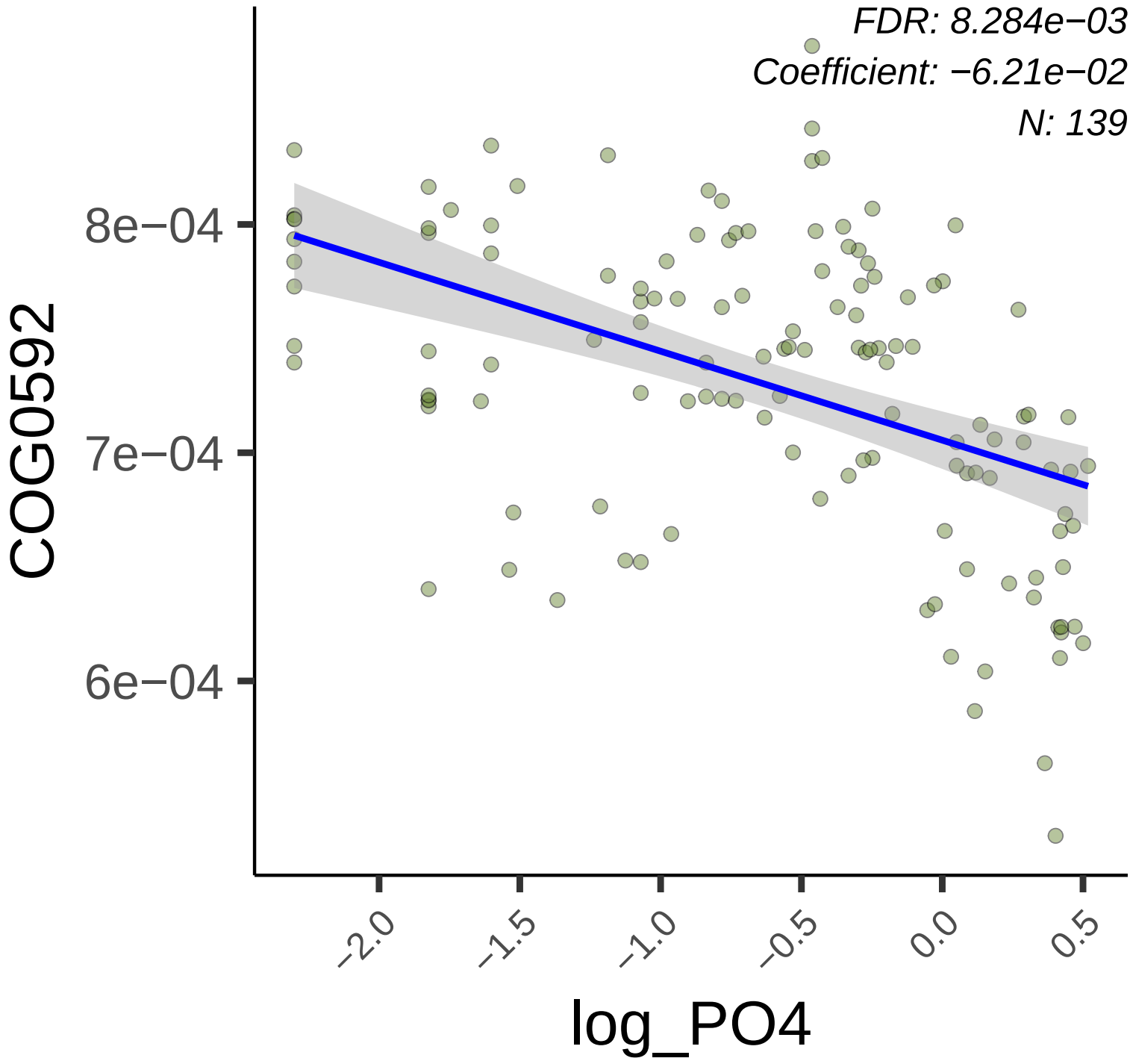
log_PO4


FDR: 8.284e−03
Coefficient: −6.21e−02
N: 139
COG0592
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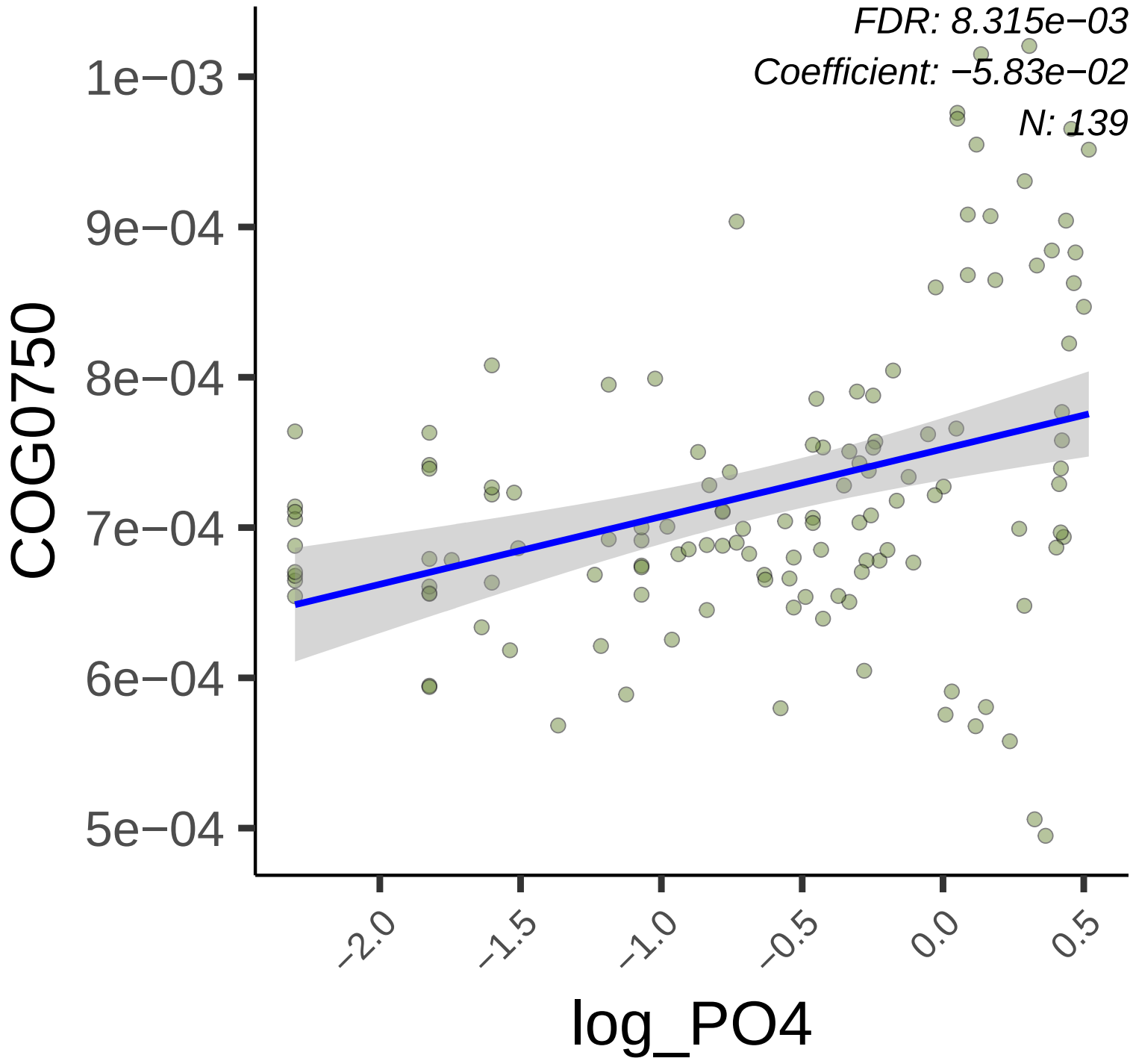
log_PO4


FDR: 8.315e−03
Coefficient: −5.83e−02
N: 139
COG0750
1e−03
9e−04
8e−04
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5e−04
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−1.5
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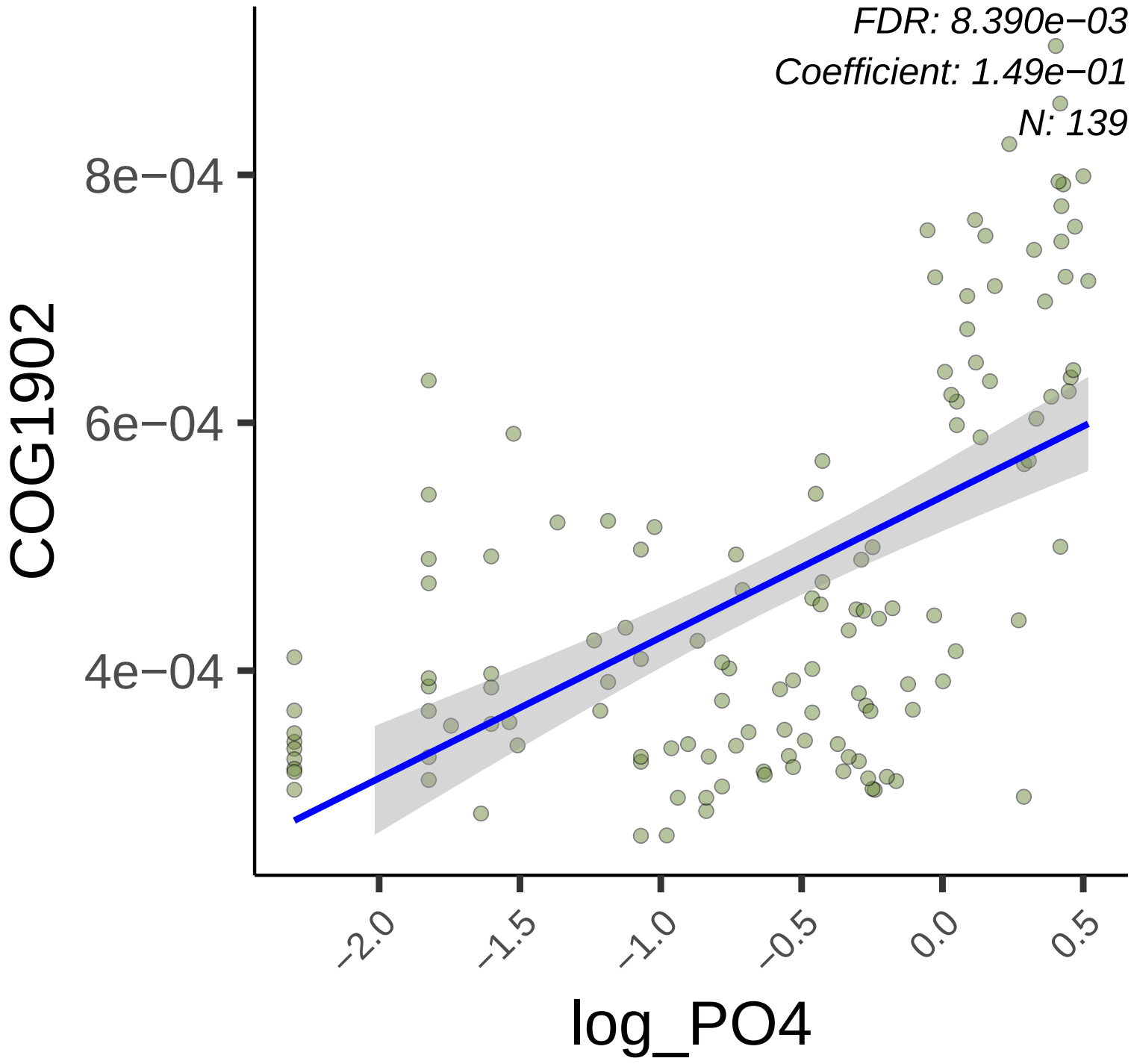
log_PO4


FDR: 8.390e−03
Coefficient: 1.49e−01
N: 139
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COG1902
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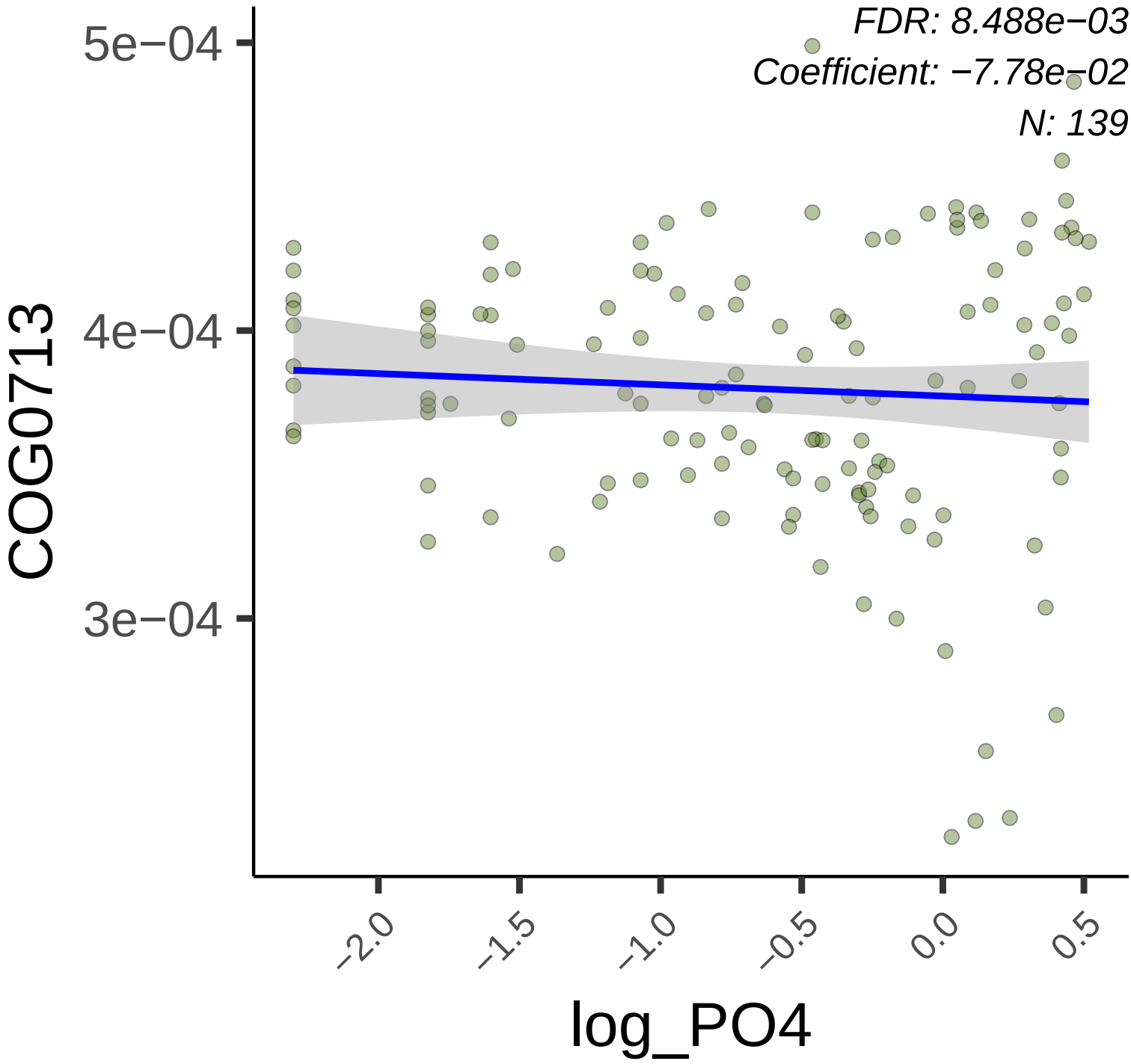
log_PO4


FDR: 8.488e−03
Coefficient: −7.78e−02
N: 139
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COG0713
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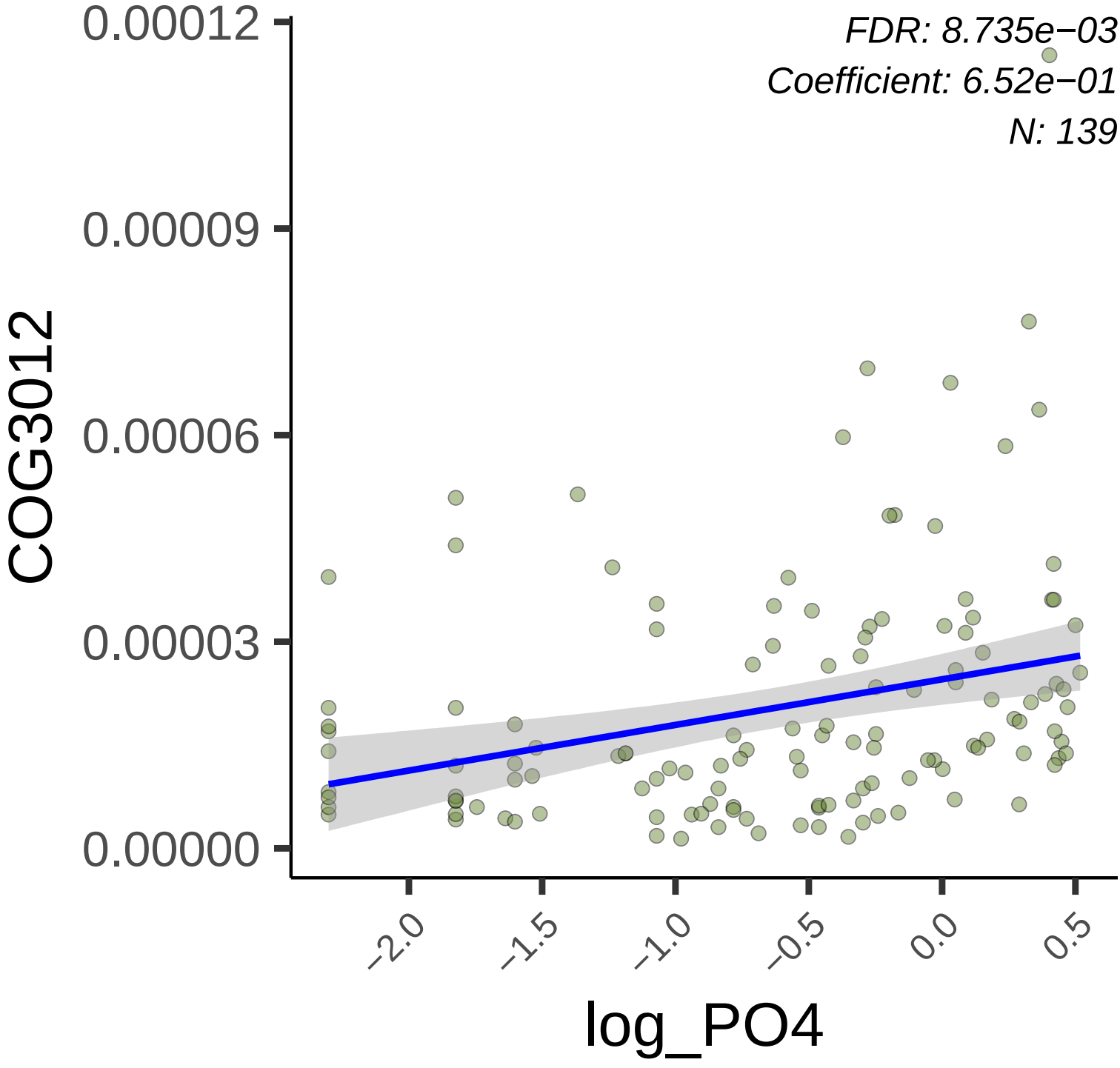
log_PO4


FDR: 8.735e−03
Coefficient: 6.52e−01
N: 139
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0.00009
0.00006
0.00003
0.00000
COG3012
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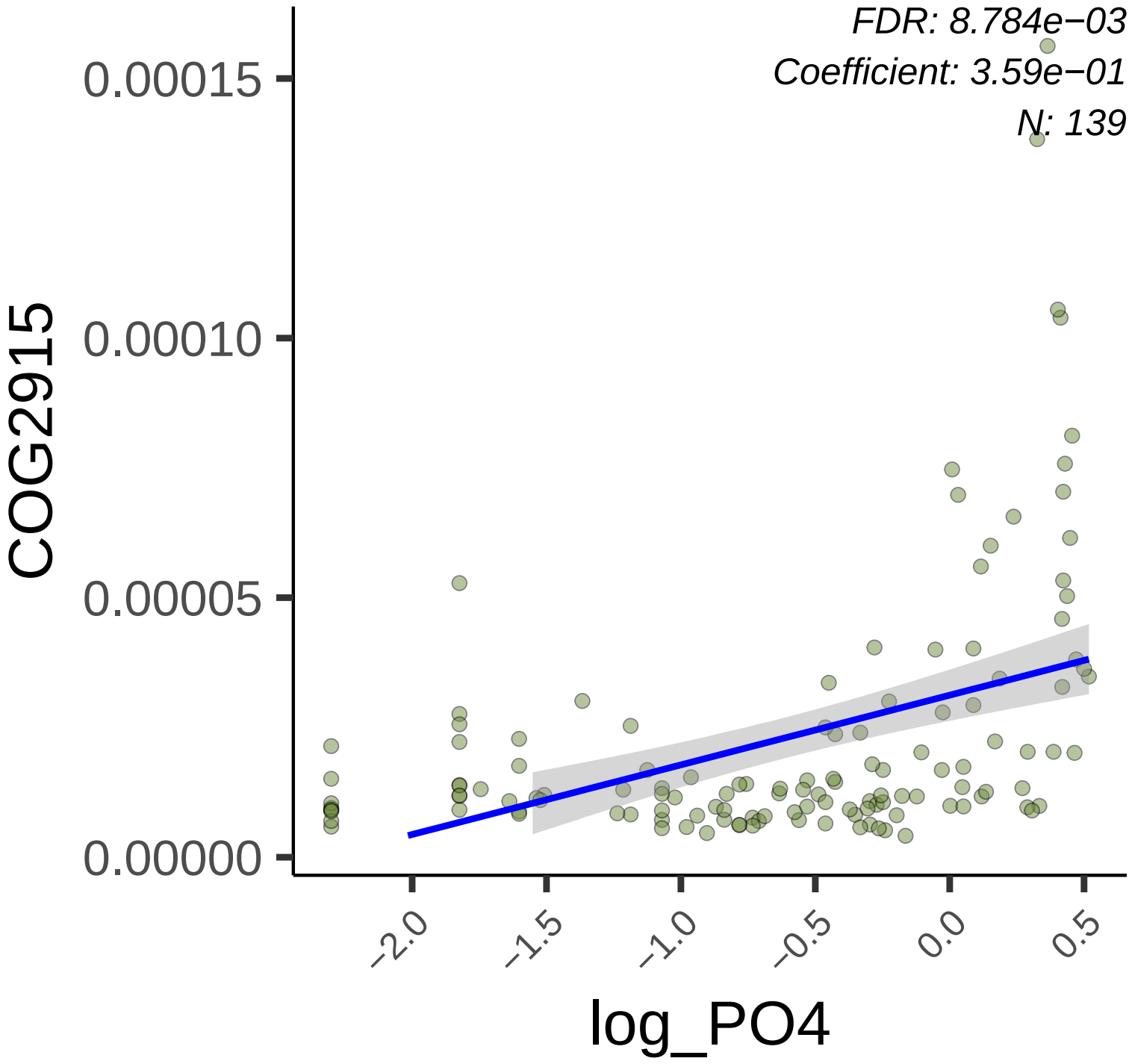
log_PO4


FDR: 8.784e−03
Coefficient: 3.59e−01
N: 139
COG2915
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0.00000
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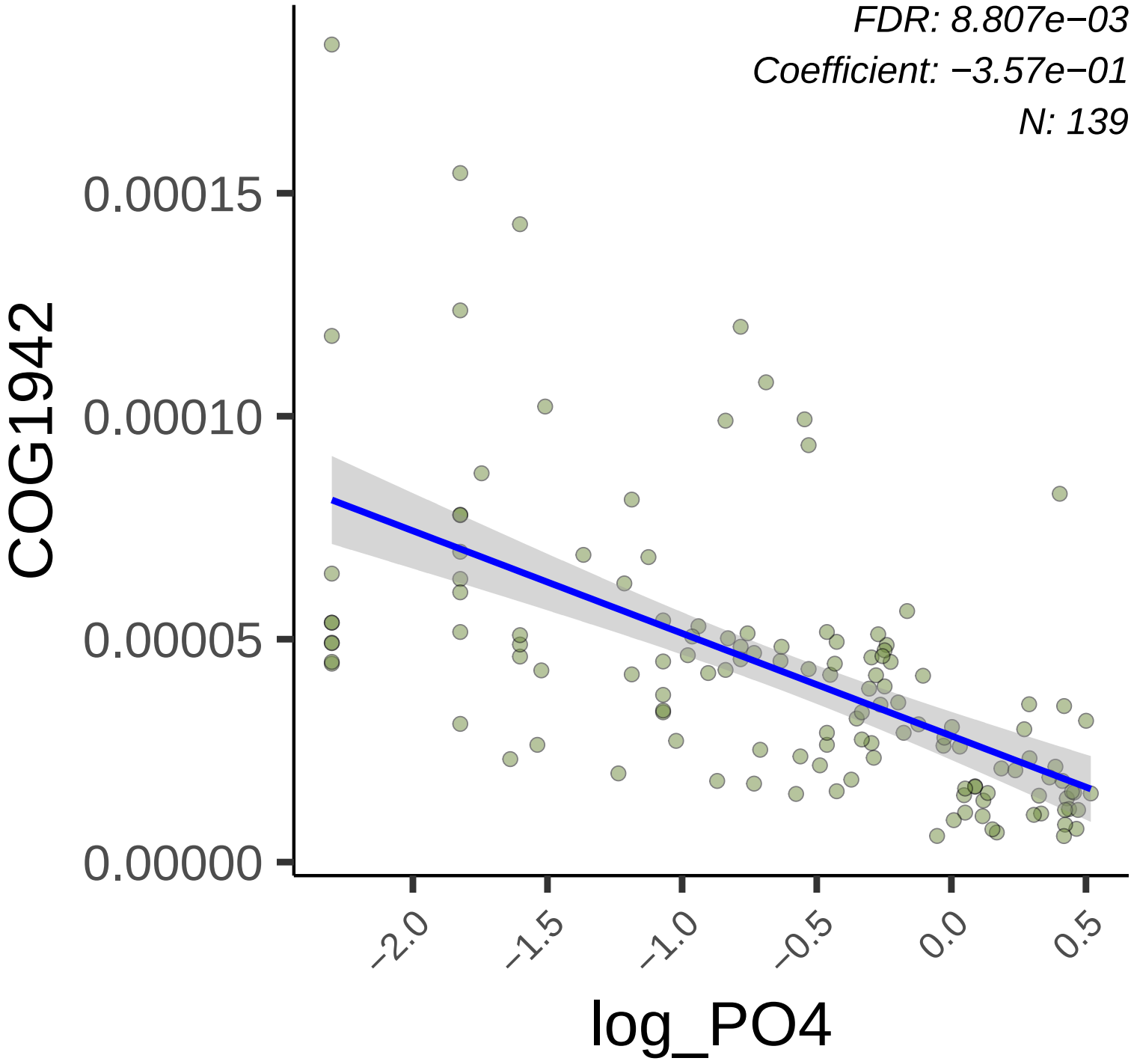
log_PO4


FDR: 8.807e−03
Coefficient: −3.57e−01
N: 139
COG1942
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0.00000
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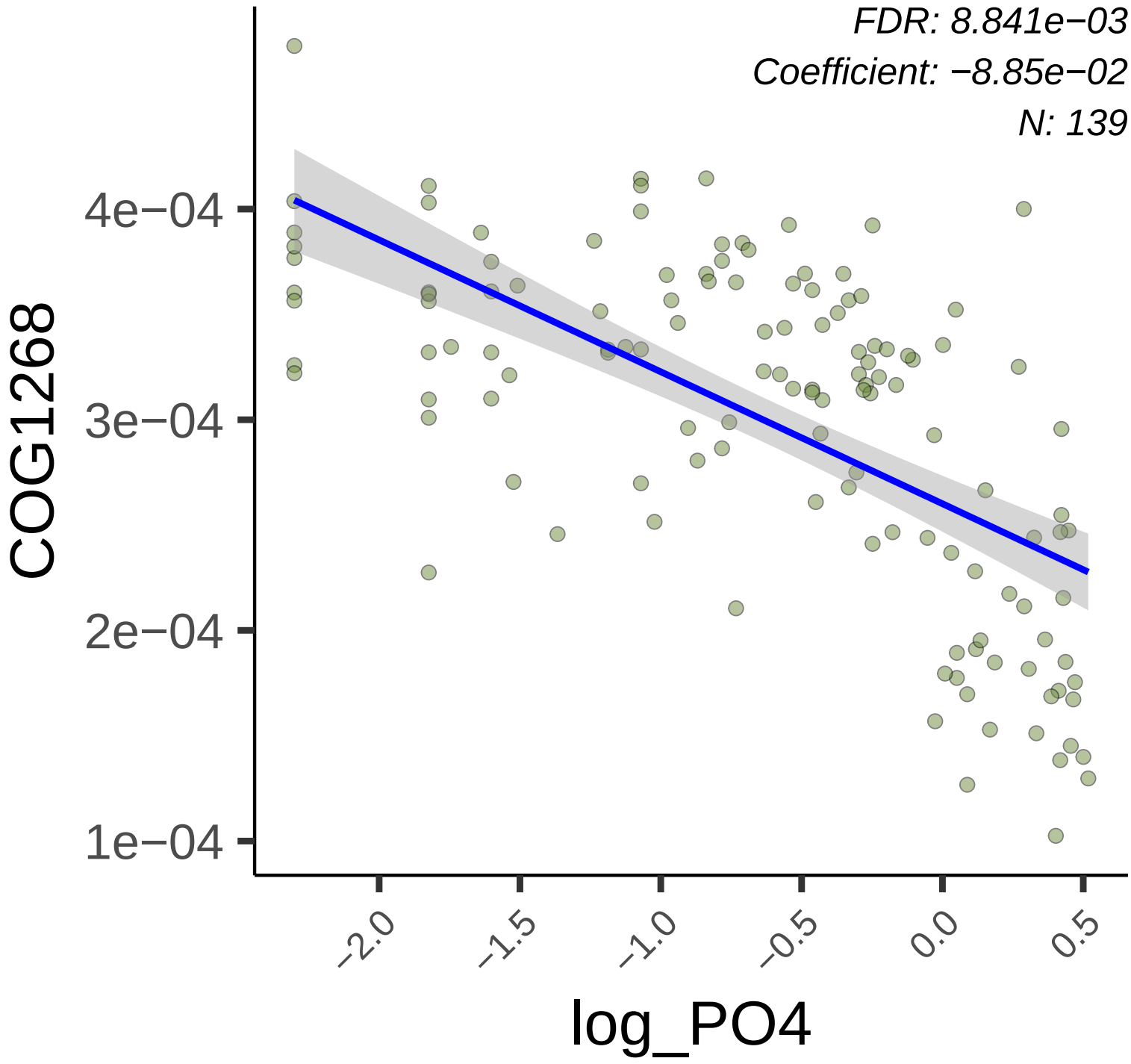
log_PO4


FDR: 8.841e−03
Coefficient: −8.85e−02
N: 139
COG1268
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1e−04
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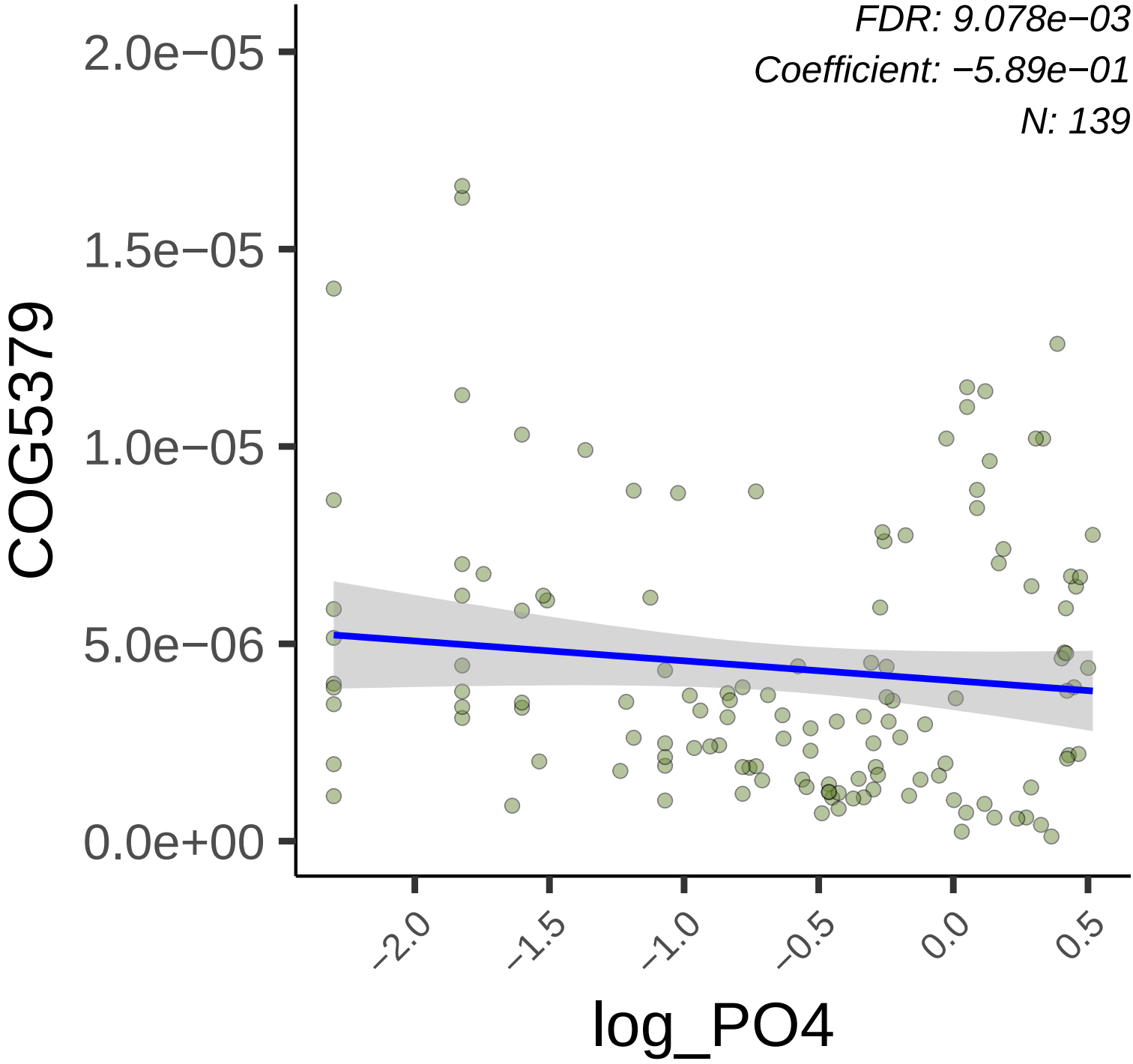
log_PO4


FDR: 9.078e−03
Coefficient: −5.89e−01
N: 139
COG5379
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1.5e−05
1.0e−05
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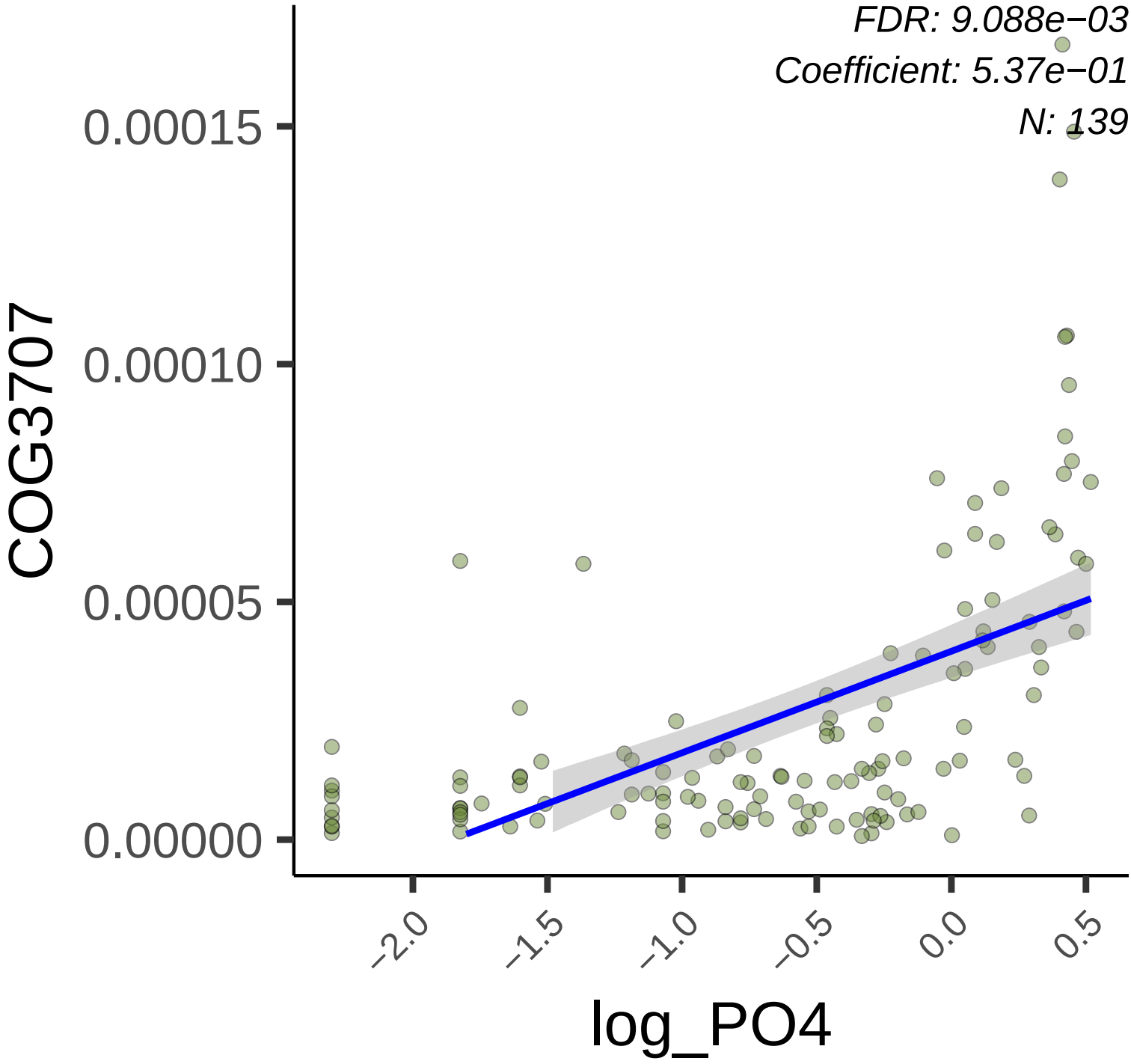
log_PO4


FDR: 9.088e−03
Coefficient: 5.37e−01
N: 139
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0.00000
COG3707
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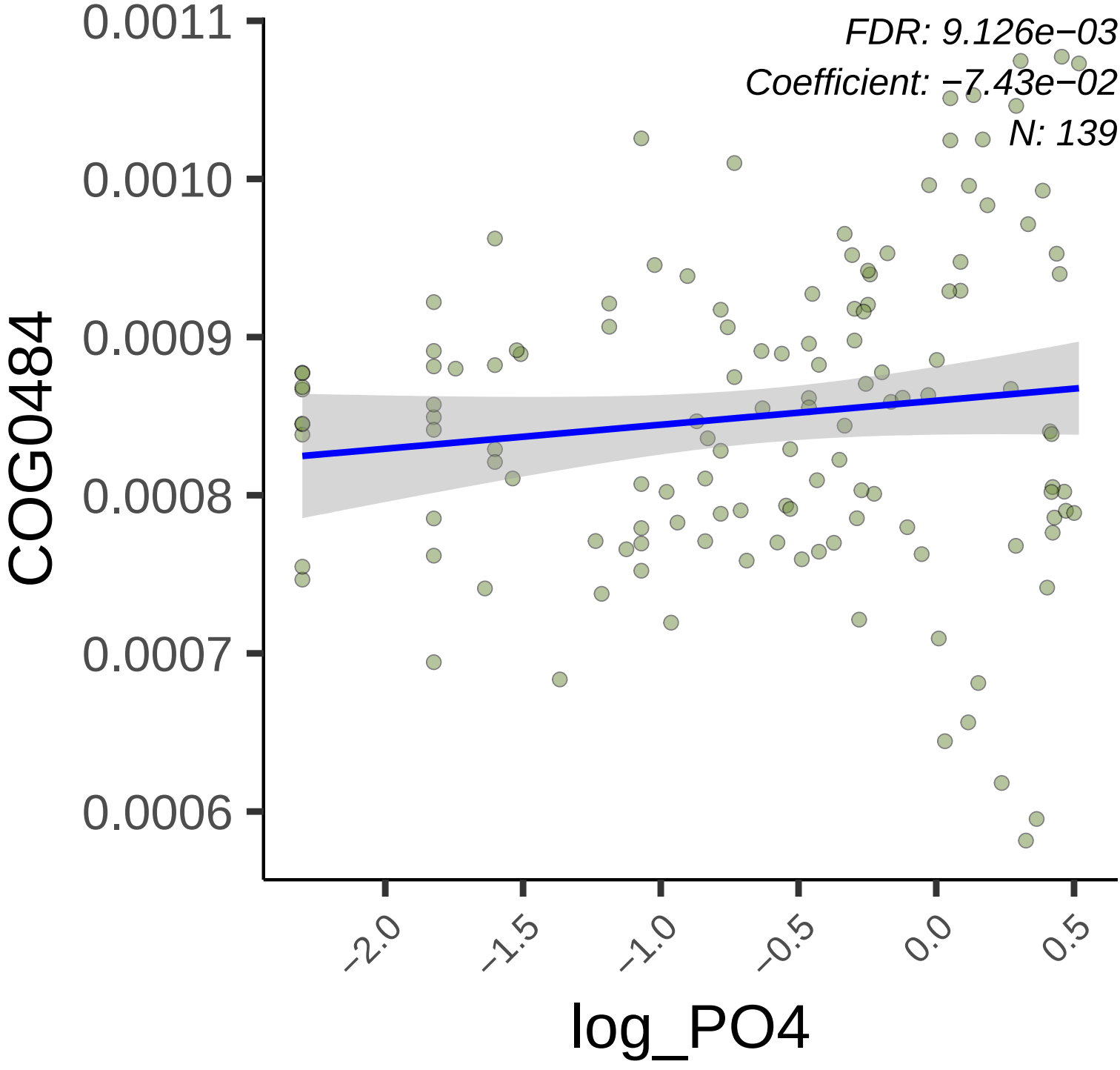
log_PO4


FDR: 9.126e−03
Coefficient: −7.43e−02
N: 139
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COG0484
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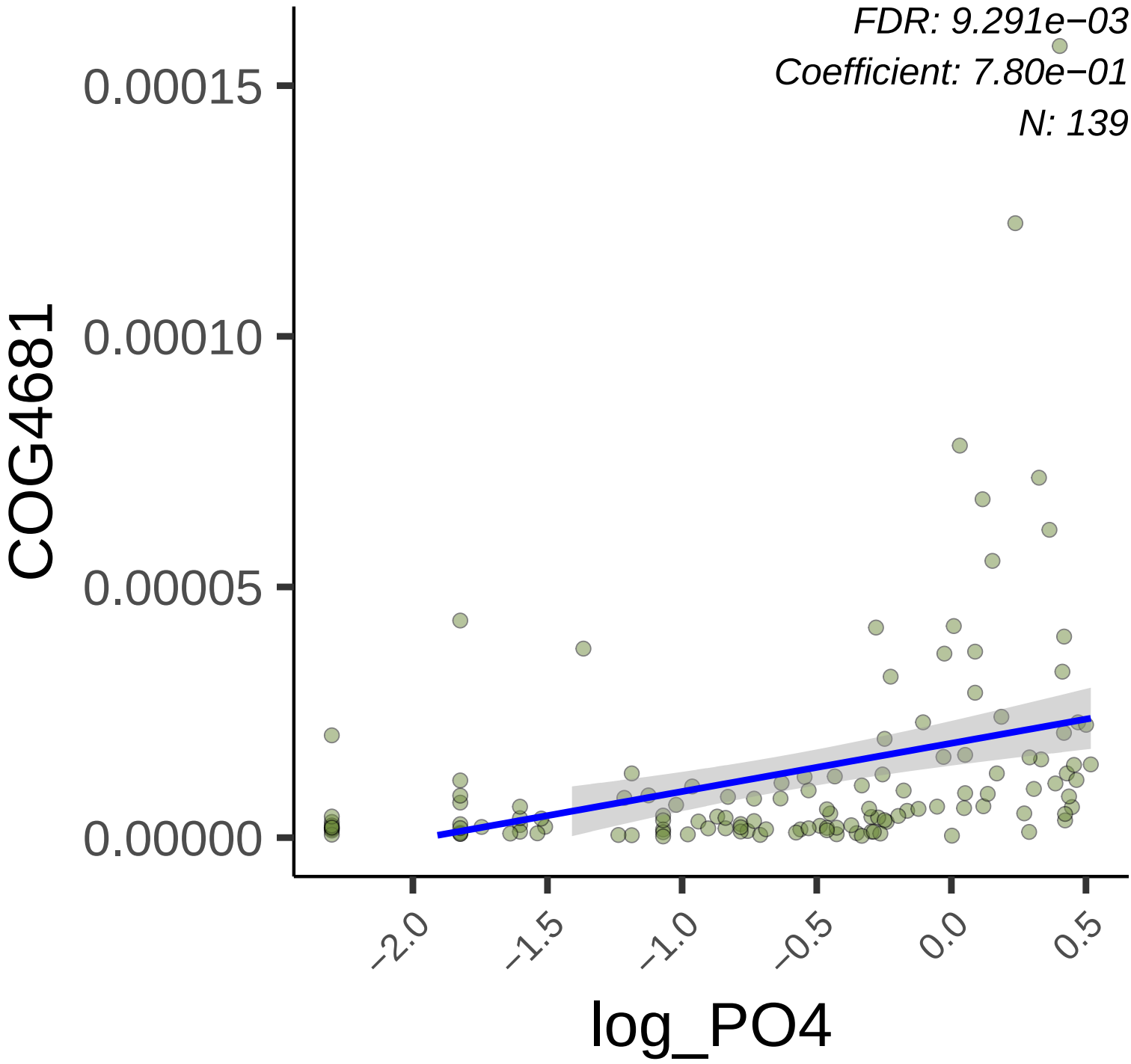
log_PO4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Coefficient: 7.80e−01
N: 139
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COG4681
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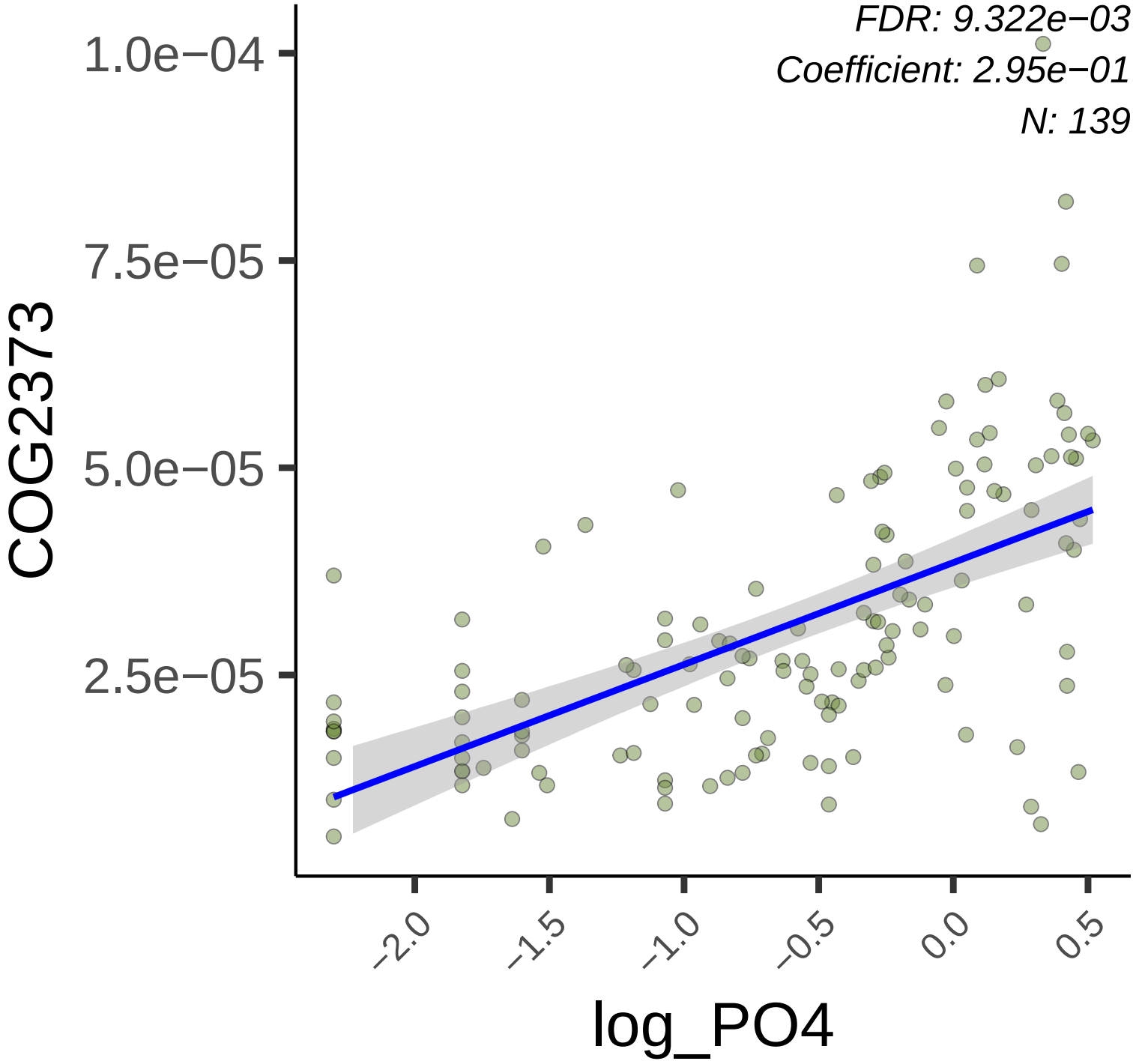
log_PO4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Coefficient: 2.95e−01
N: 139
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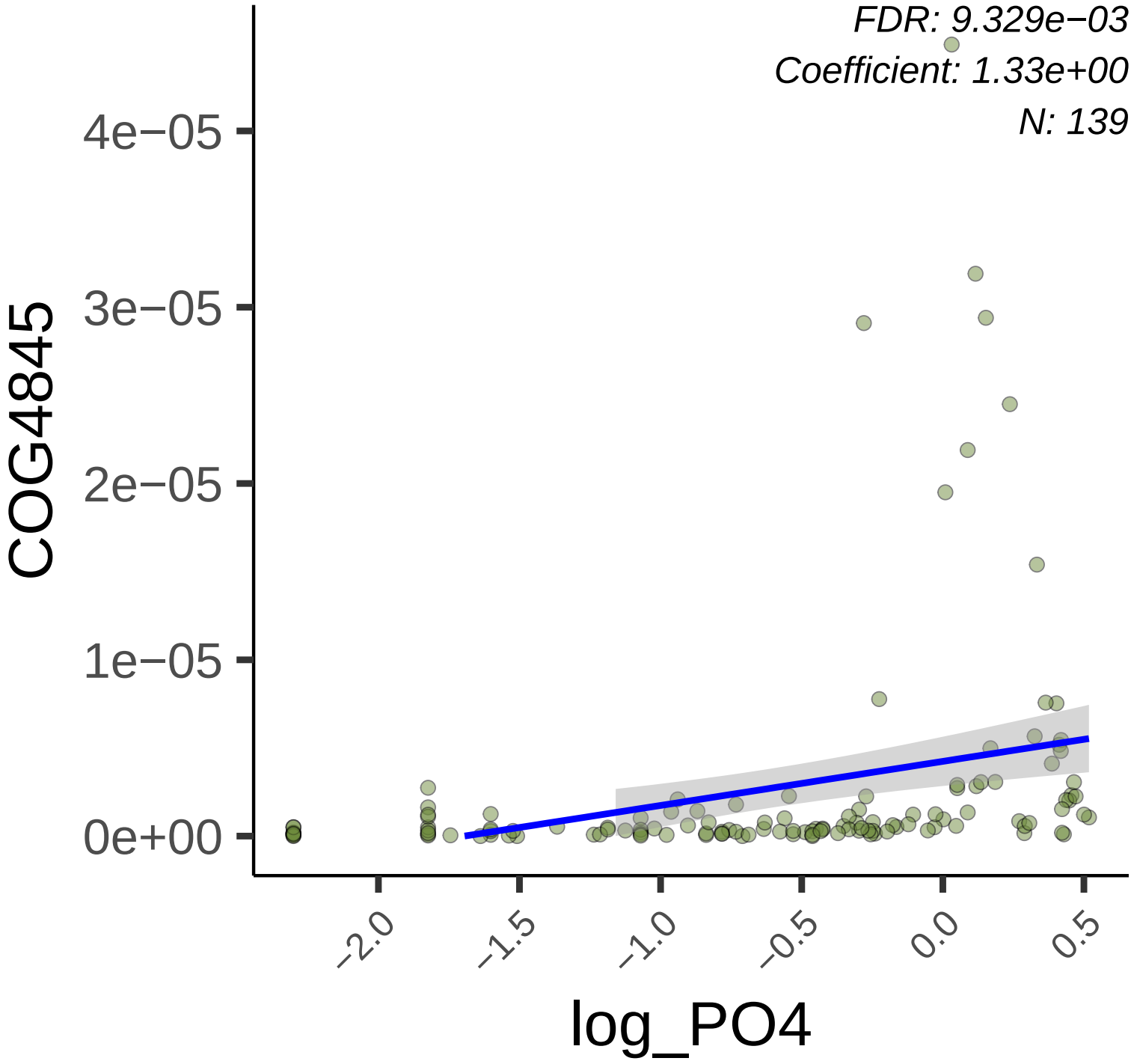
log_PO4


FDR: 9.329e−03
Coefficient: 1.33e+00
N: 139
COG4845
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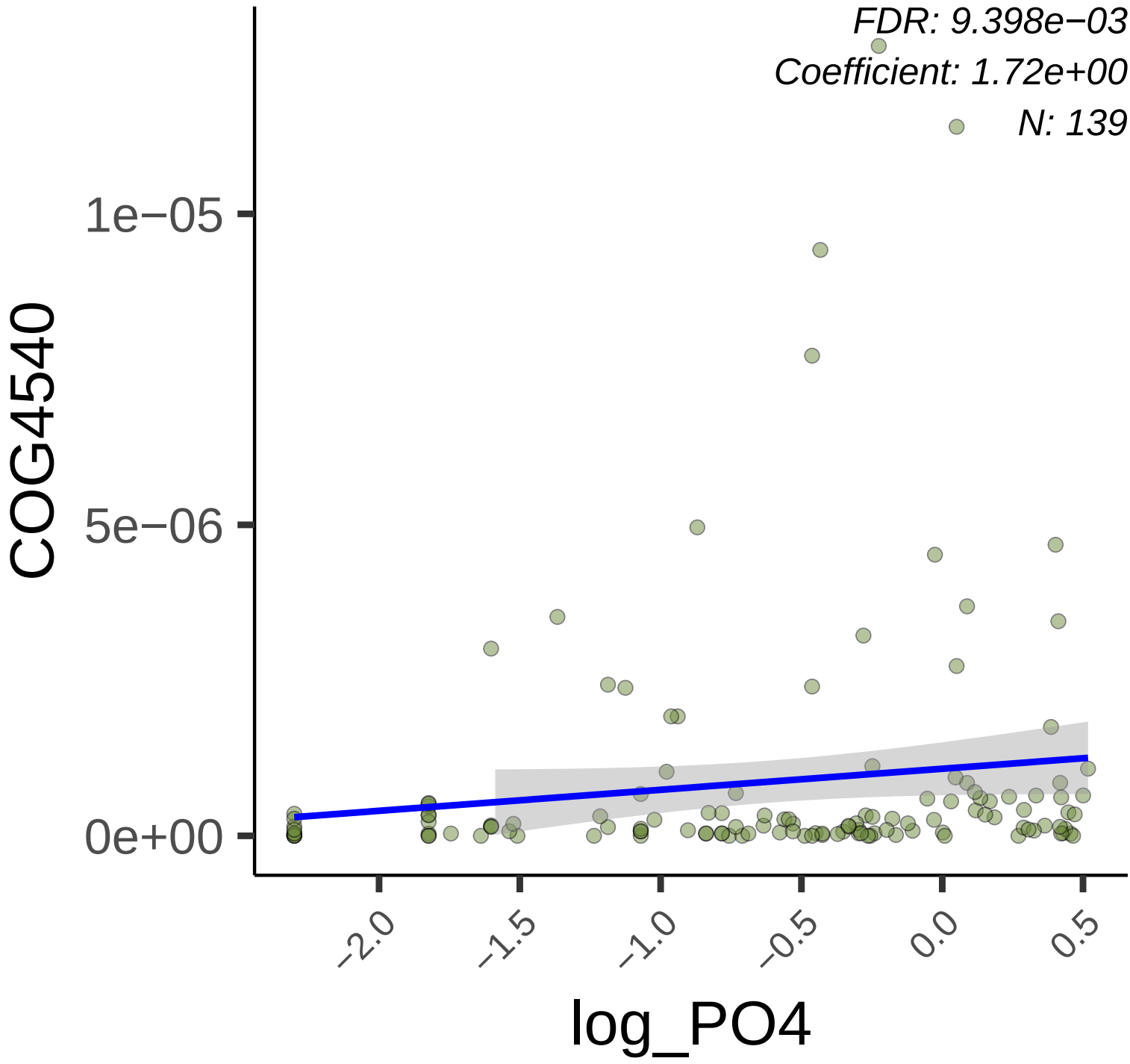
log_PO4


FDR: 9.398e−03
Coefficient: 1.72e+00
N: 139
COG4540
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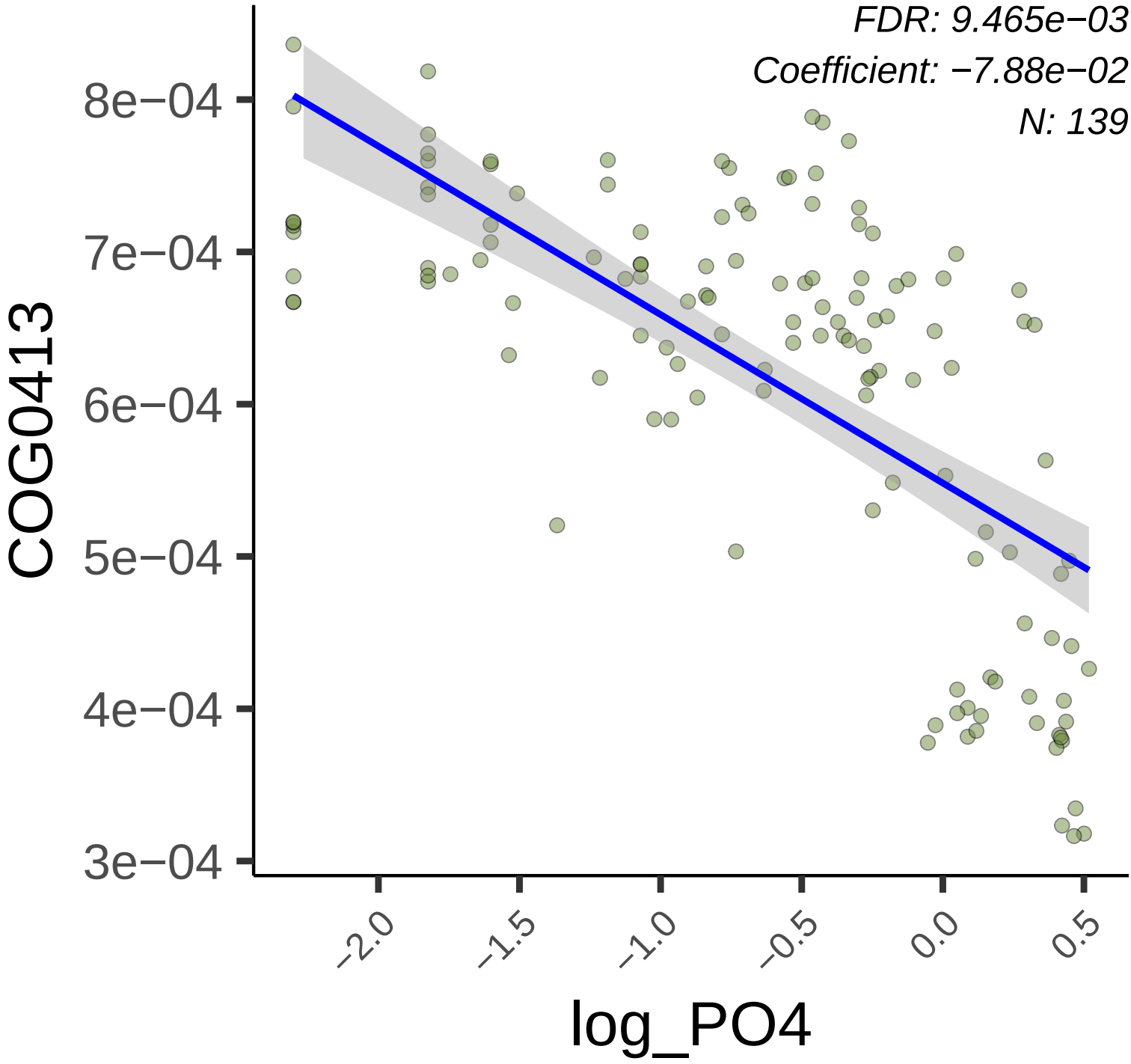
log_PO4


FDR: 9.465e−03
Coefficient: −7.88e−02
N: 139
COG0413
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6e−04
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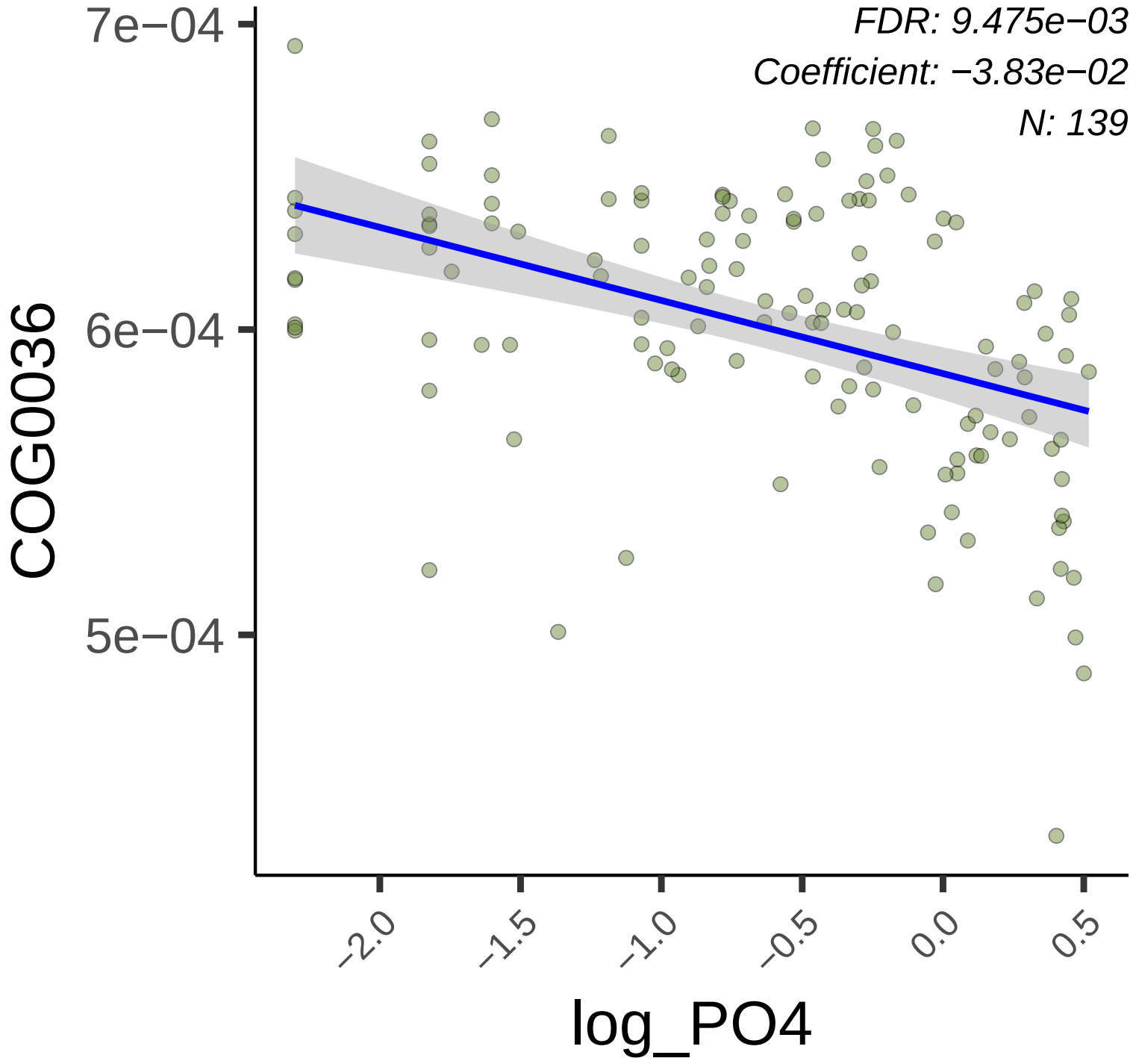
log_PO4


FDR: 9.475e−03
Coefficient: −3.83e−02
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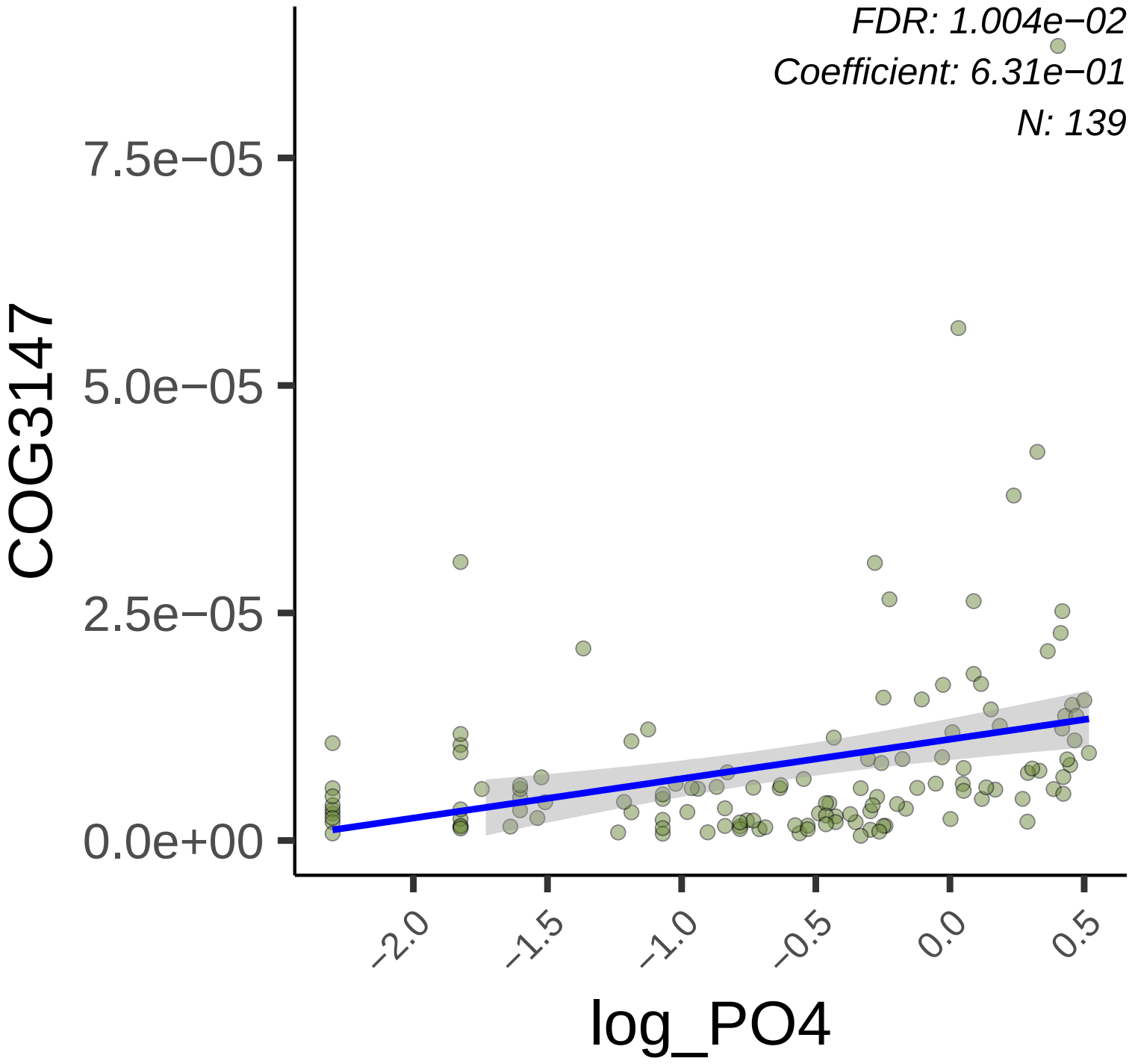
log_PO4


FDR: 1.004e−02
Coefficient: 6.31e−01
N: 139
COG3147
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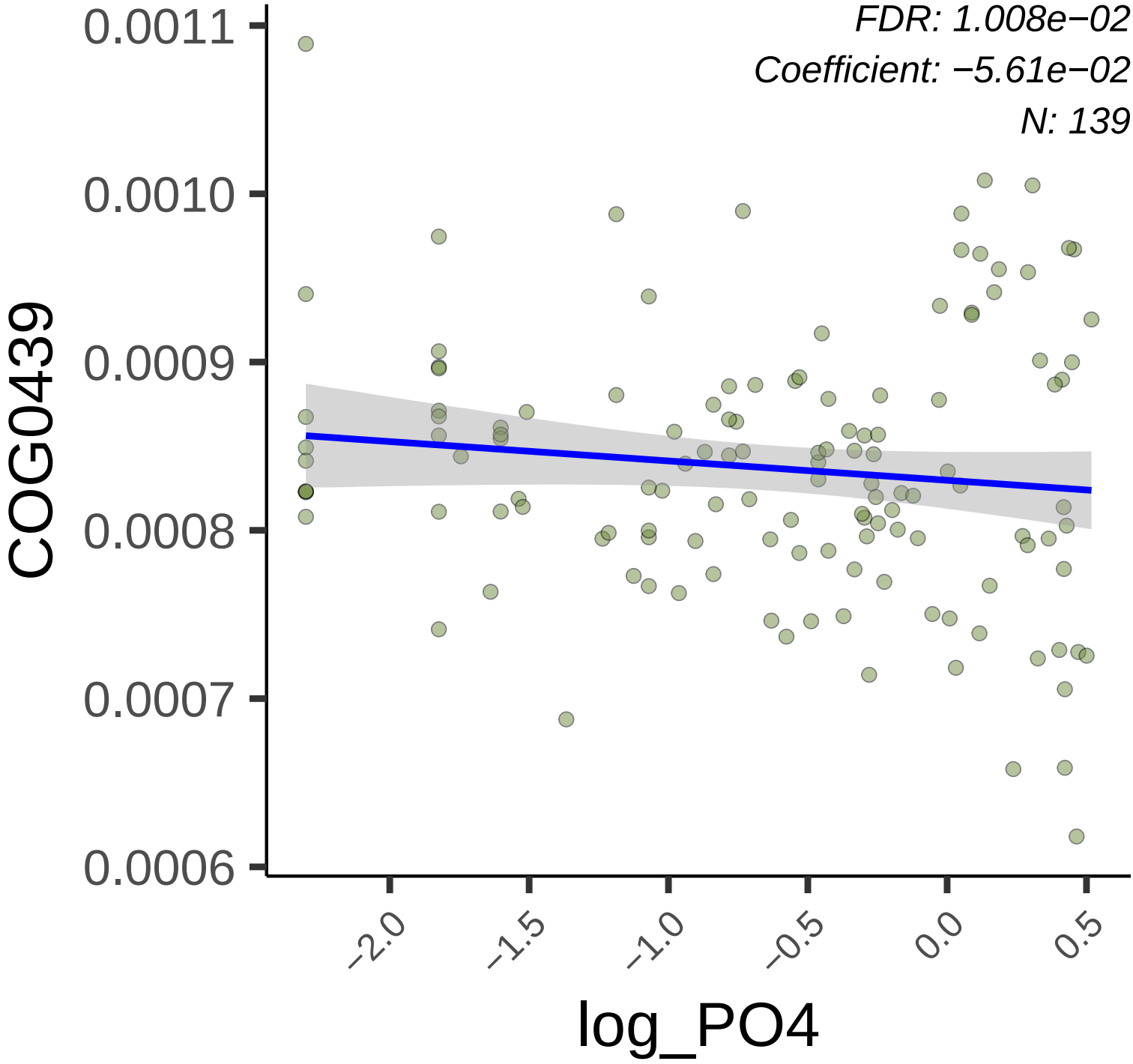
log_PO4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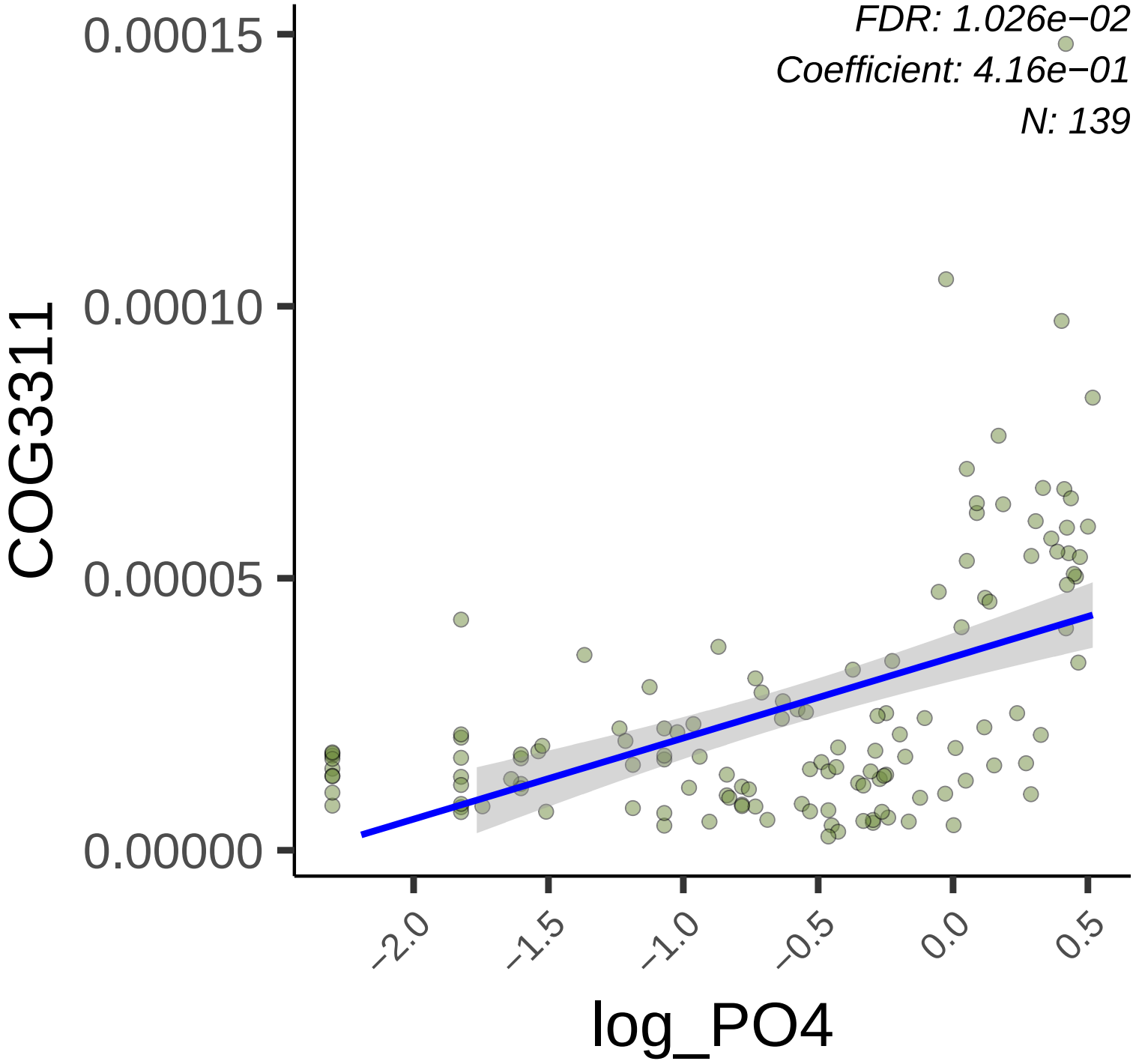
log_PO4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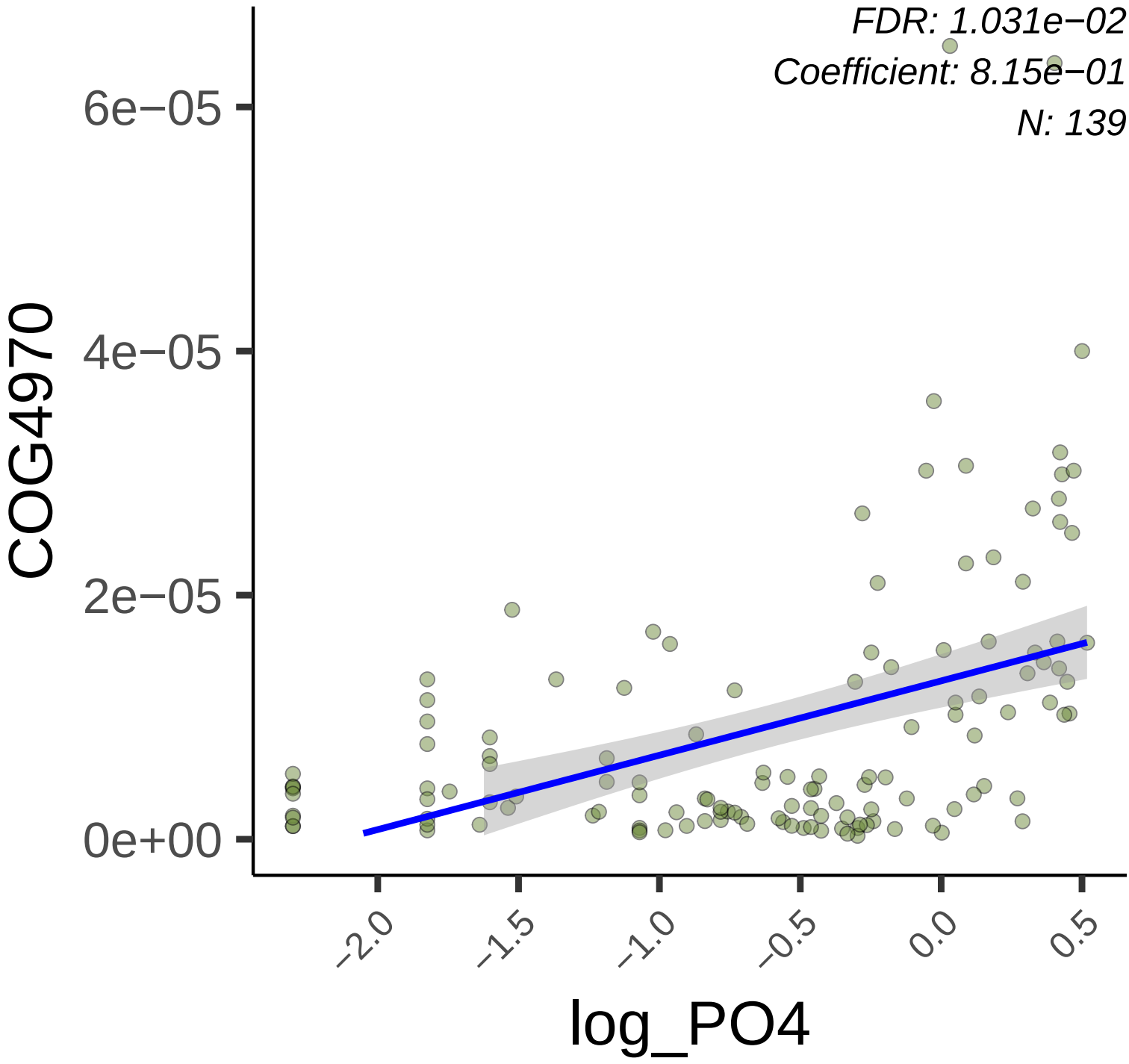
log_PO4


FDR: 1.031e−02
Coefficient: 8.15e−01
N: 139
COG4970
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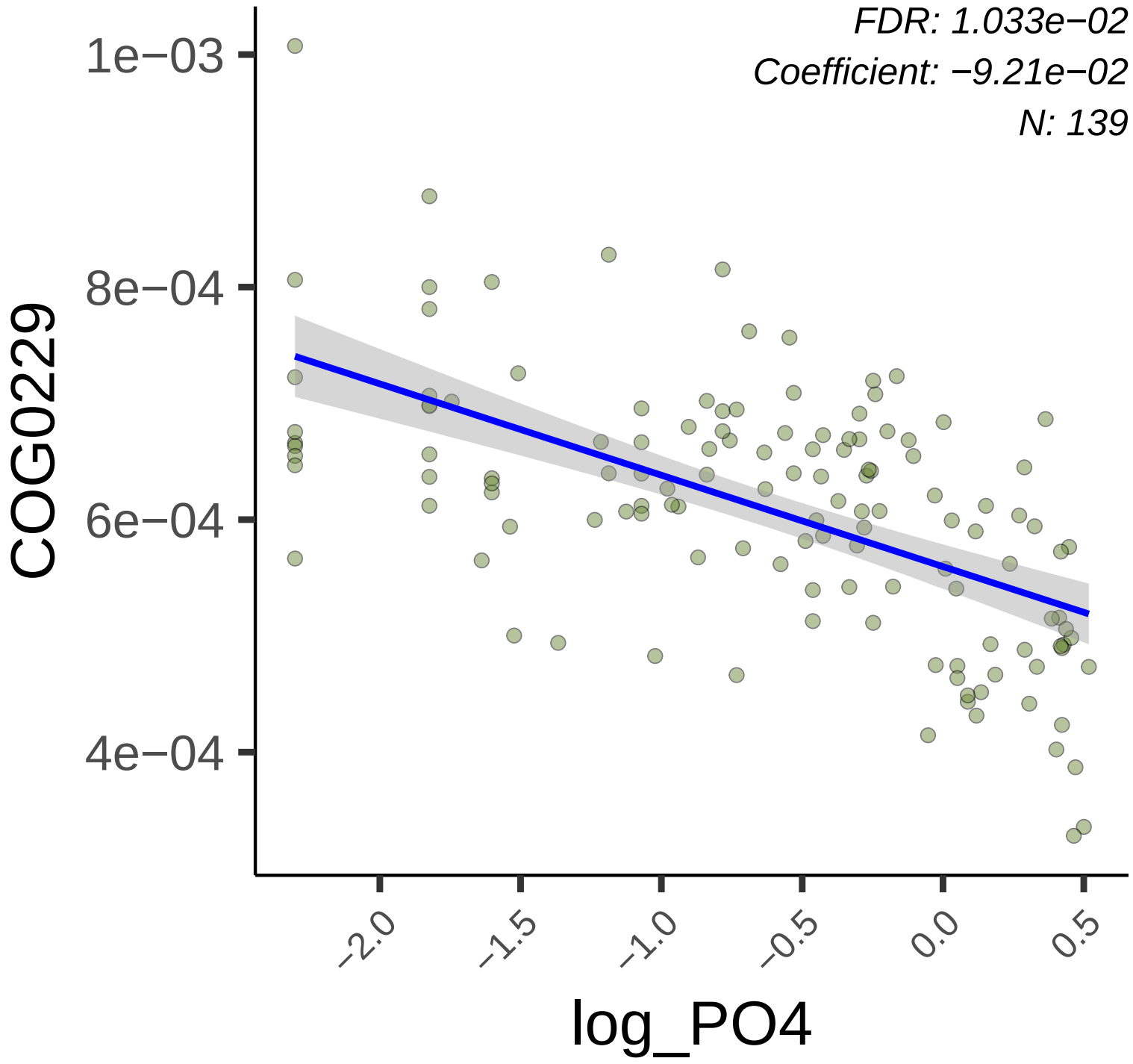
log_PO4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Coefficient: −9.21e−02
N: 139
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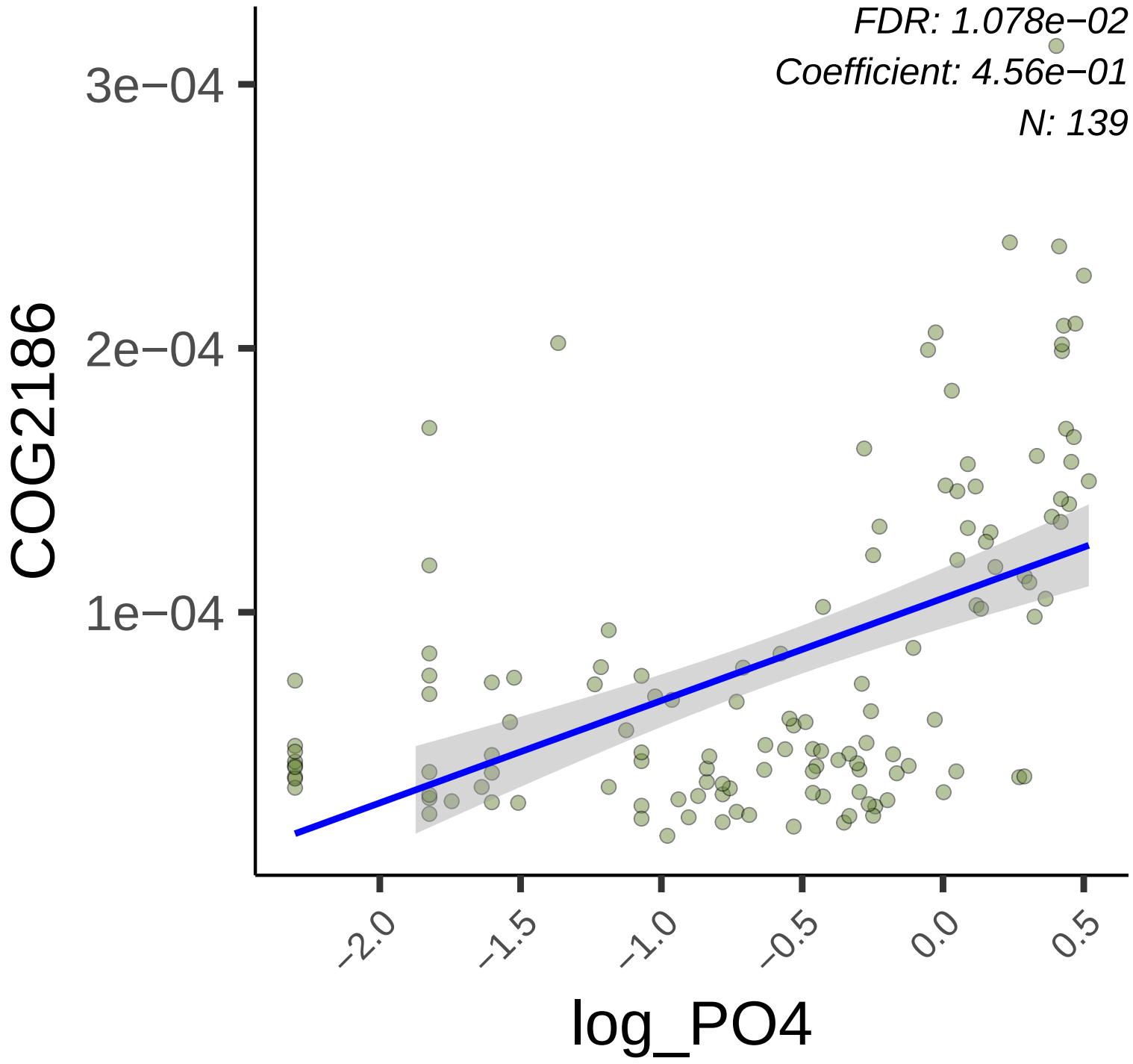
log_PO4


FDR: 1.078e−02
Coefficient: 4.56e−01
N: 139
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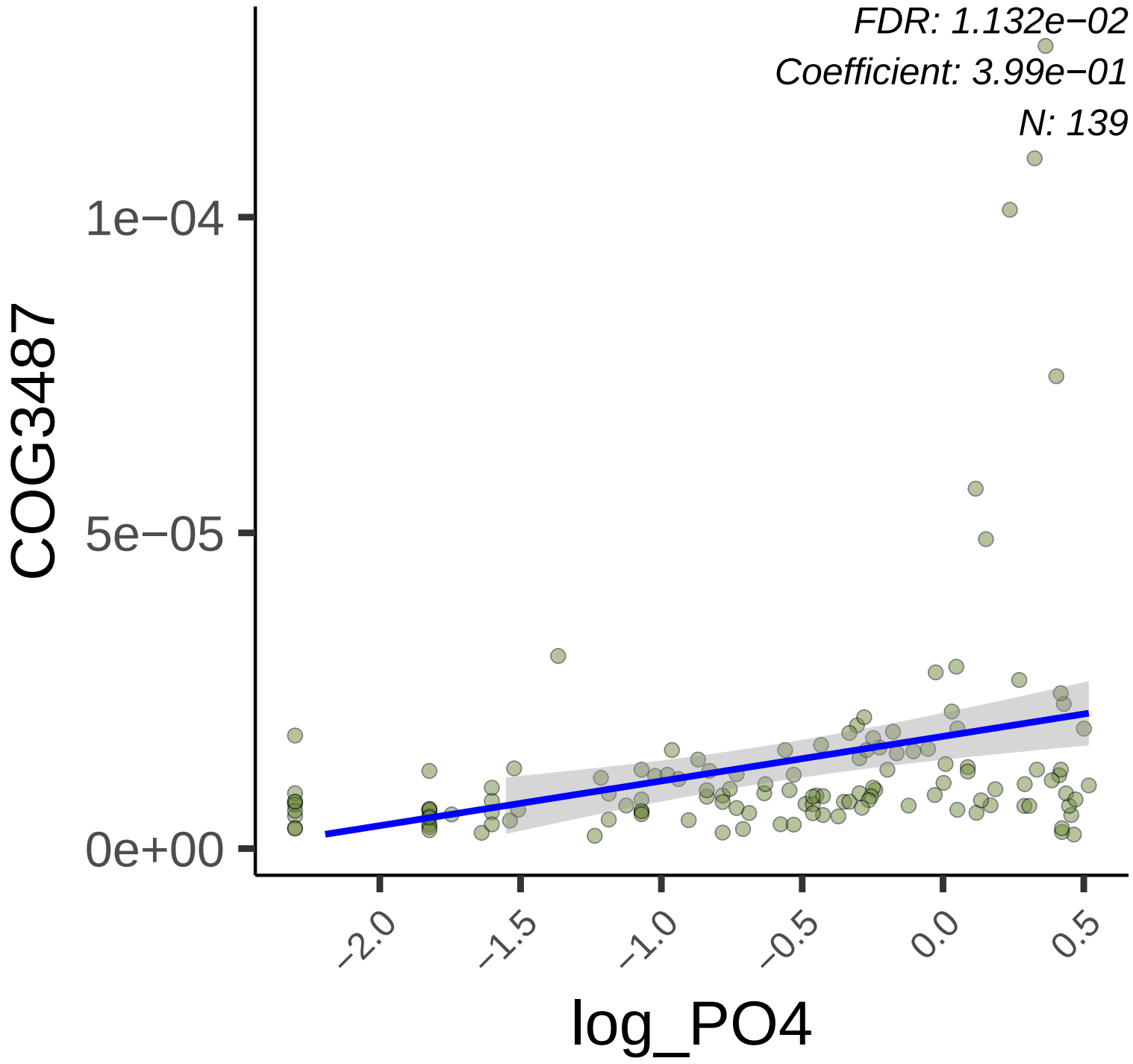
log_PO4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Coefficient: 3.99e−01
N: 139
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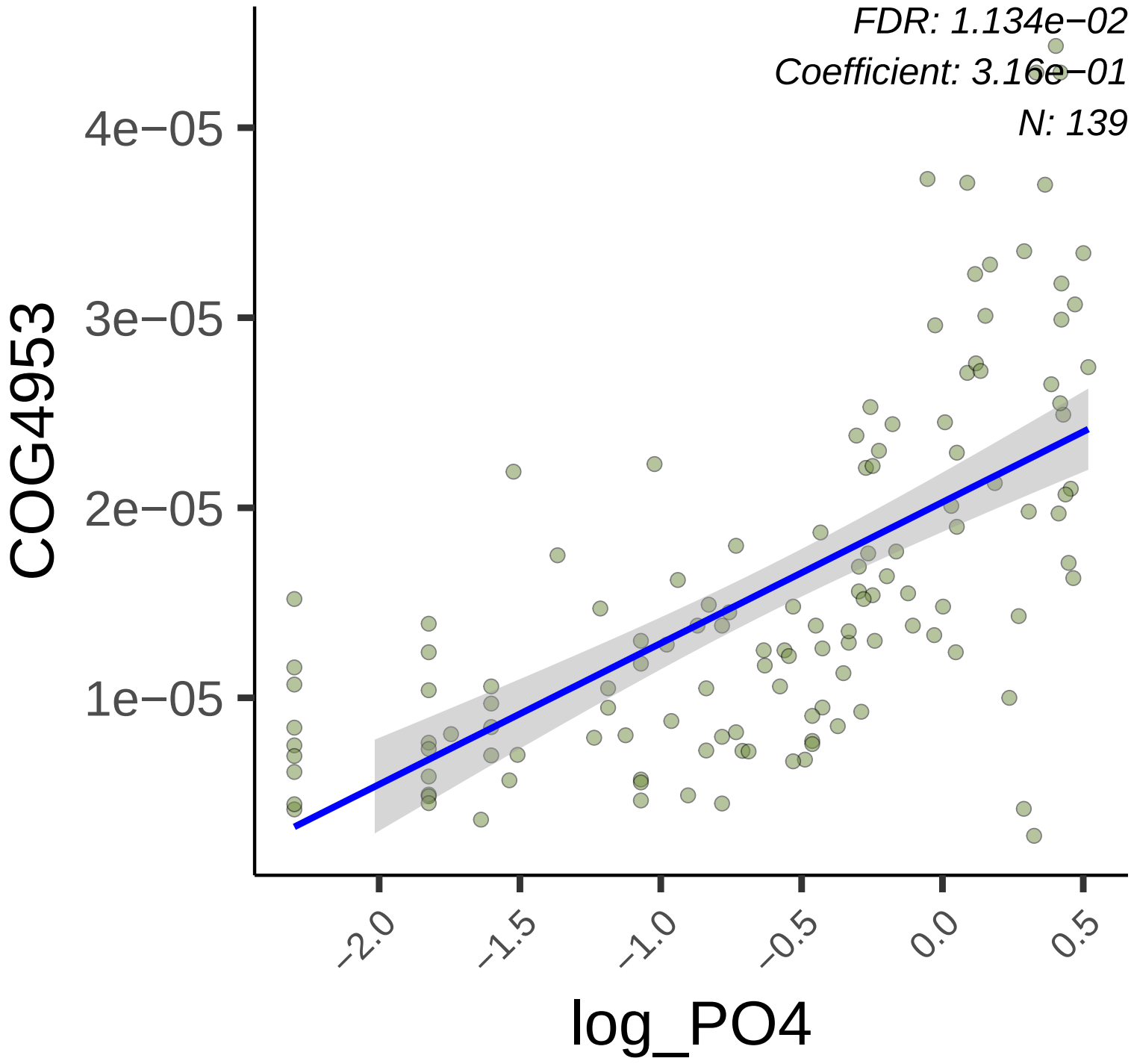
log_PO4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Coefficient: 3.16e−01
N: 139
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2e−05
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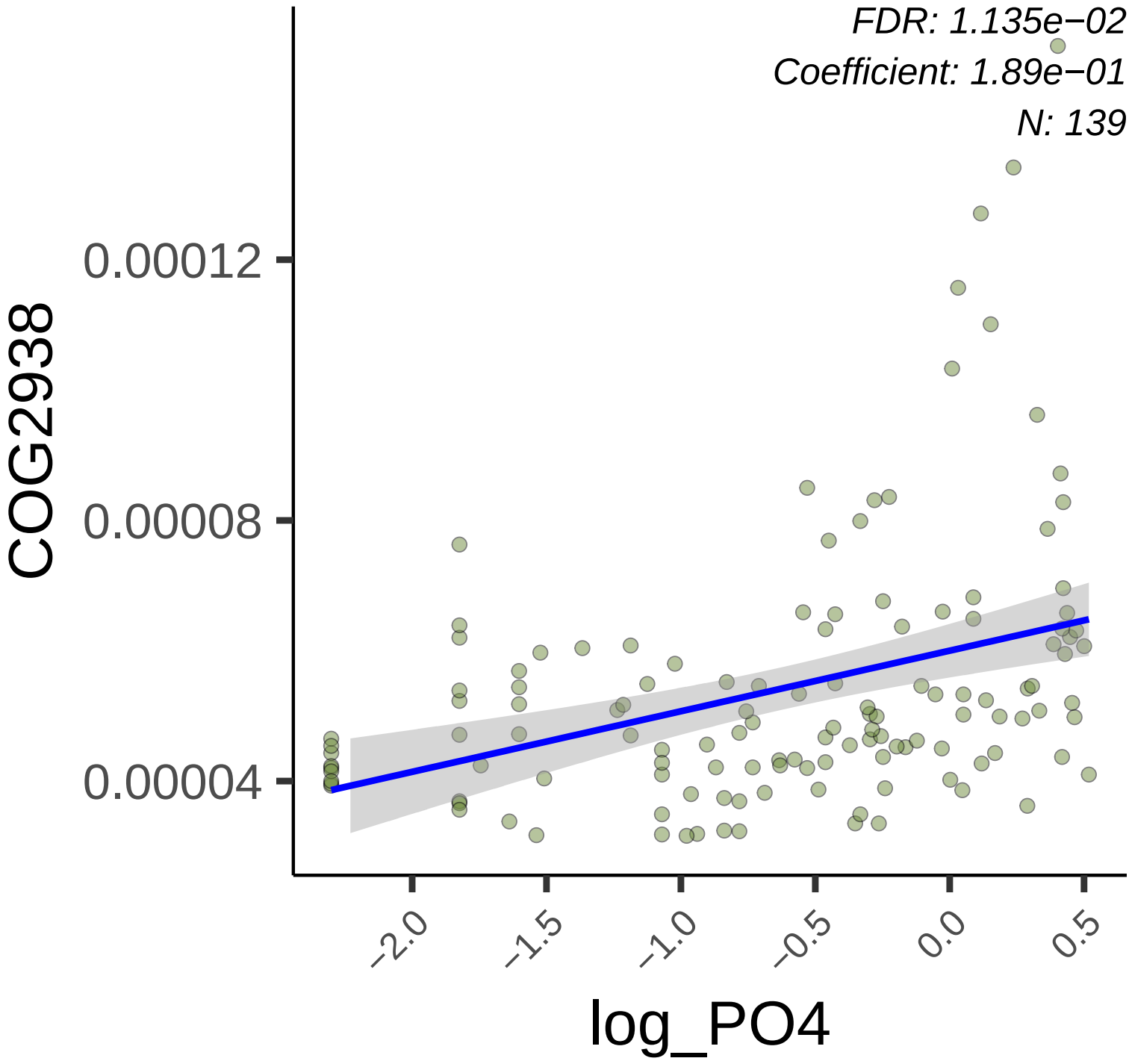
log_PO4


FDR: 1.135e−02
Coefficient: 1.89e−01
N: 139
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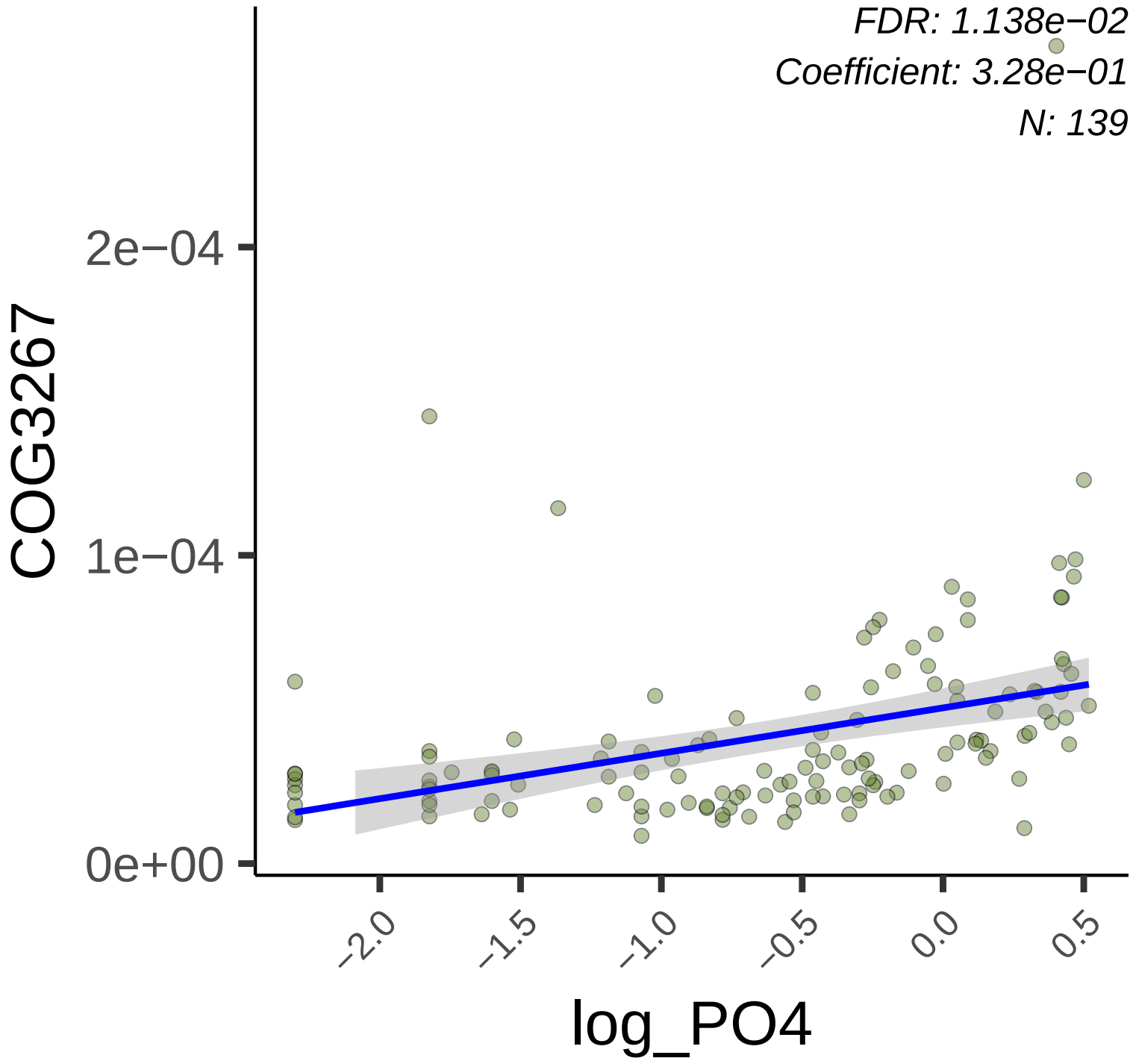
log_PO4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Coefficient: 3.28e−01
N: 139
COG3267
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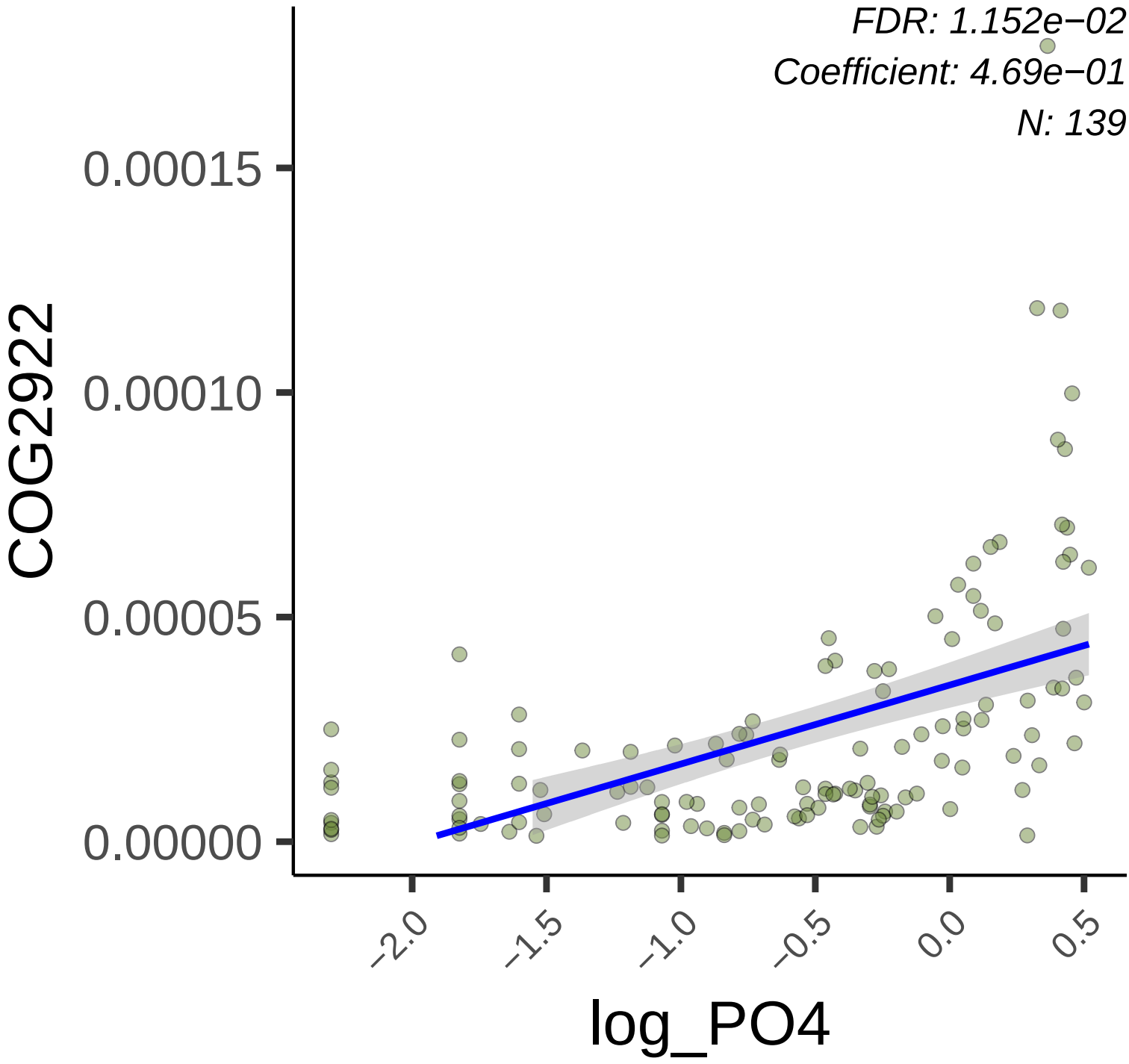
log_PO4


FDR: 1.152e−02
Coefficient: 4.69e−01
N: 139
COG2922
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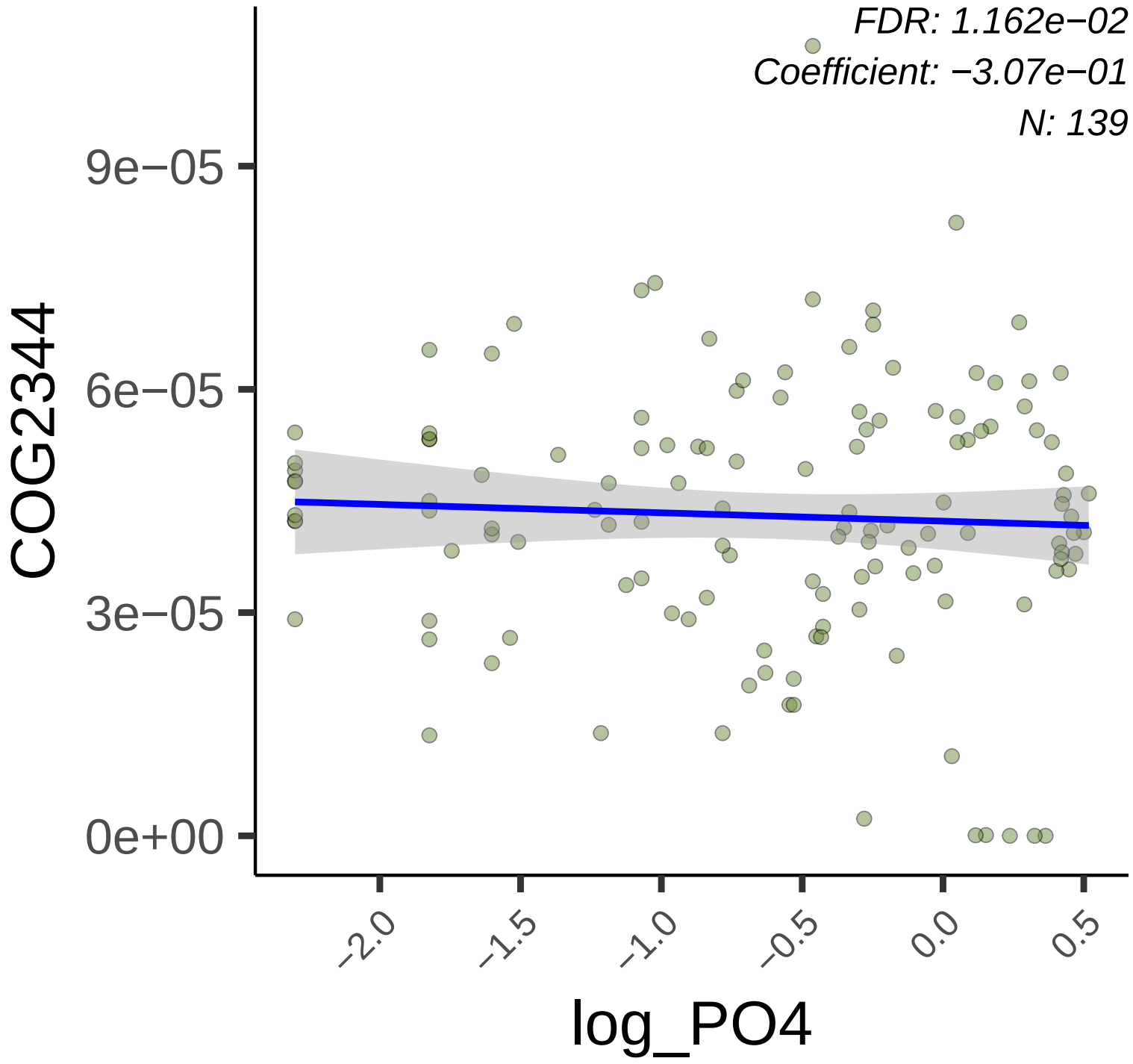
log_PO4


FDR: 1.162e−02
Coefficient: −3.07e−01
N: 139
COG2344
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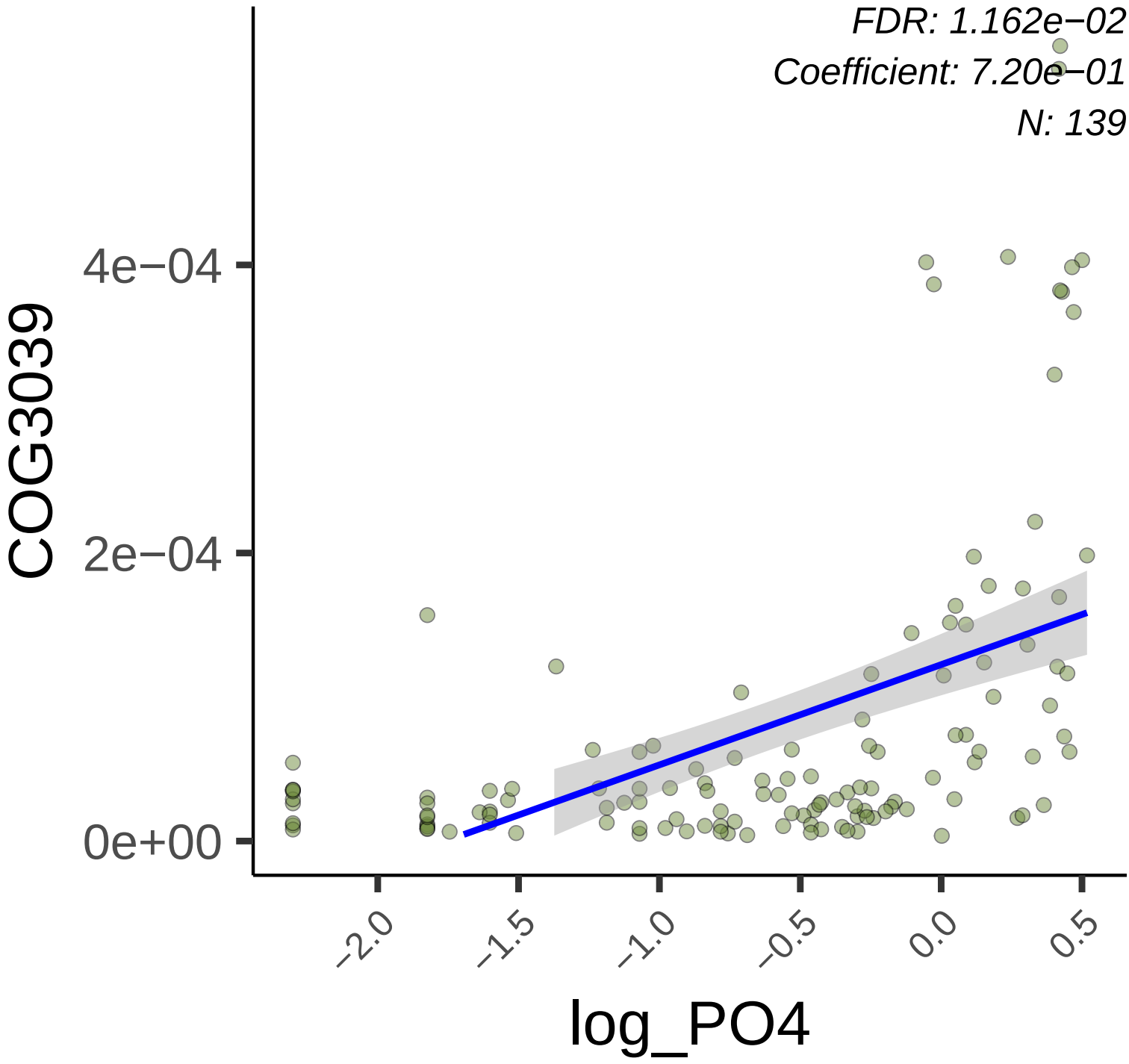
log_PO4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Coefficient: 7.20e−01
N: 139
COG3039
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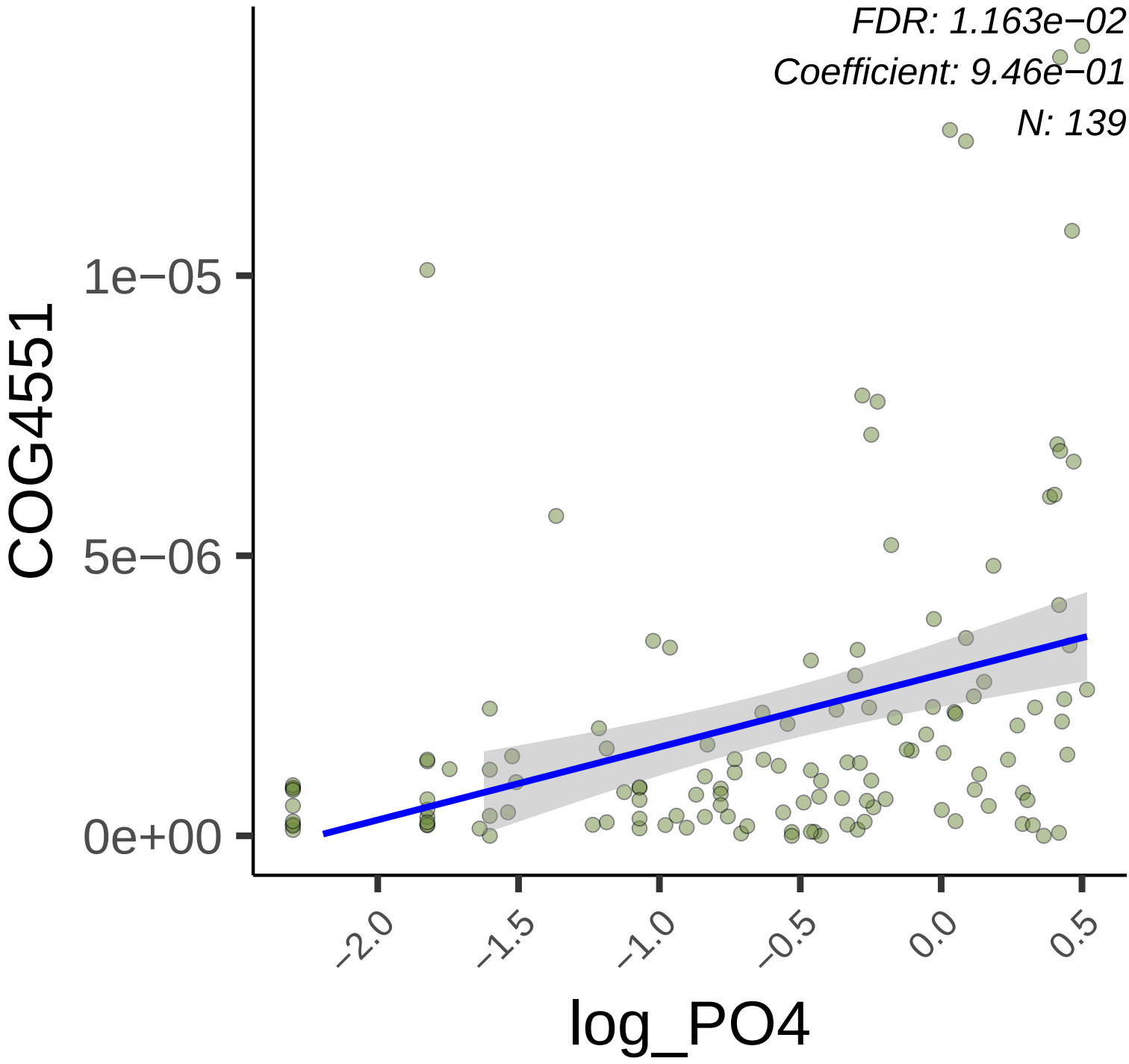
log_PO4


FDR: 1.163e−02
Coefficient: 9.46e−01
N: 139
COG4551
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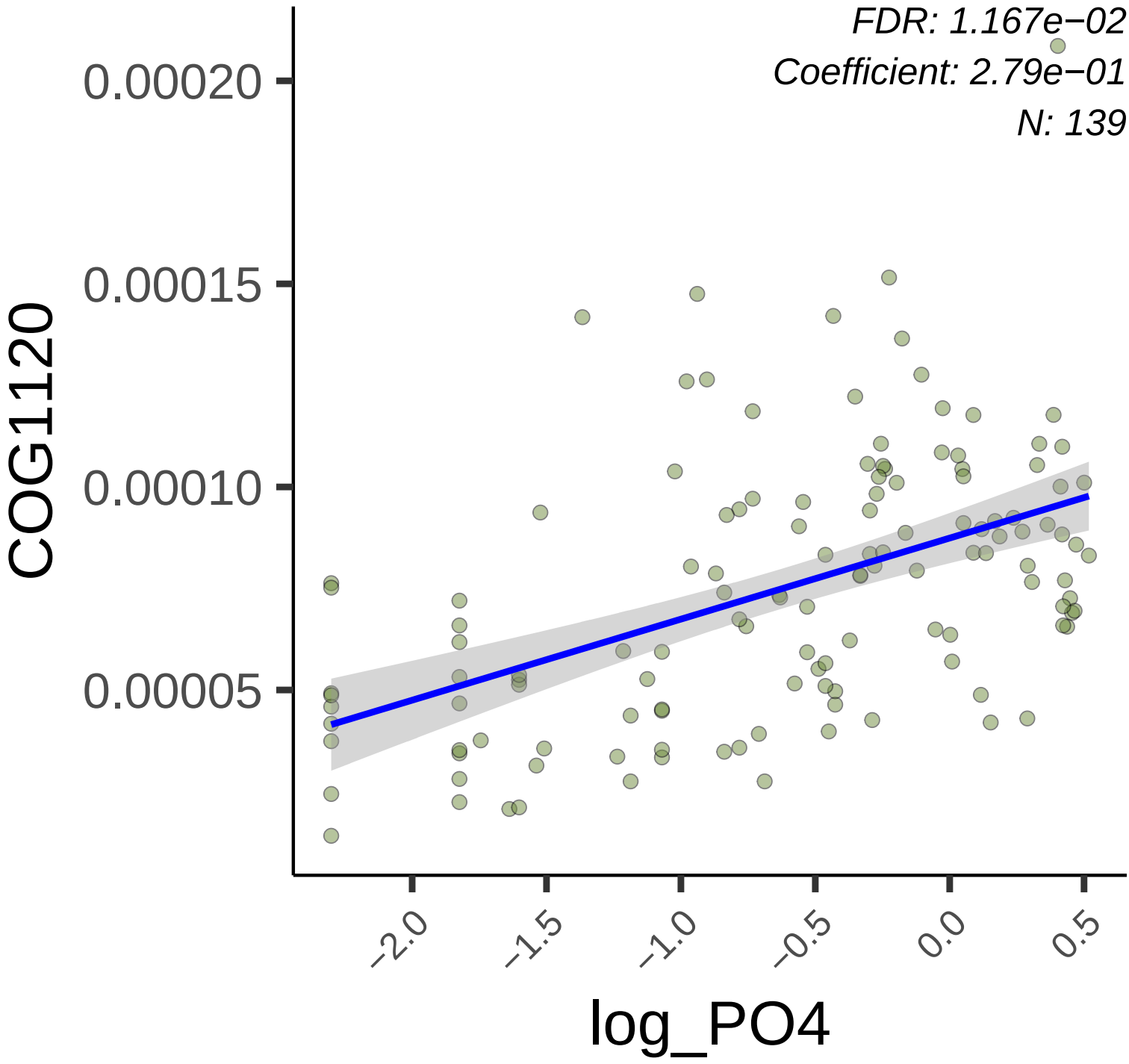
log_PO4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Coefficient: 2.79e−01
N: 139
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COG1120
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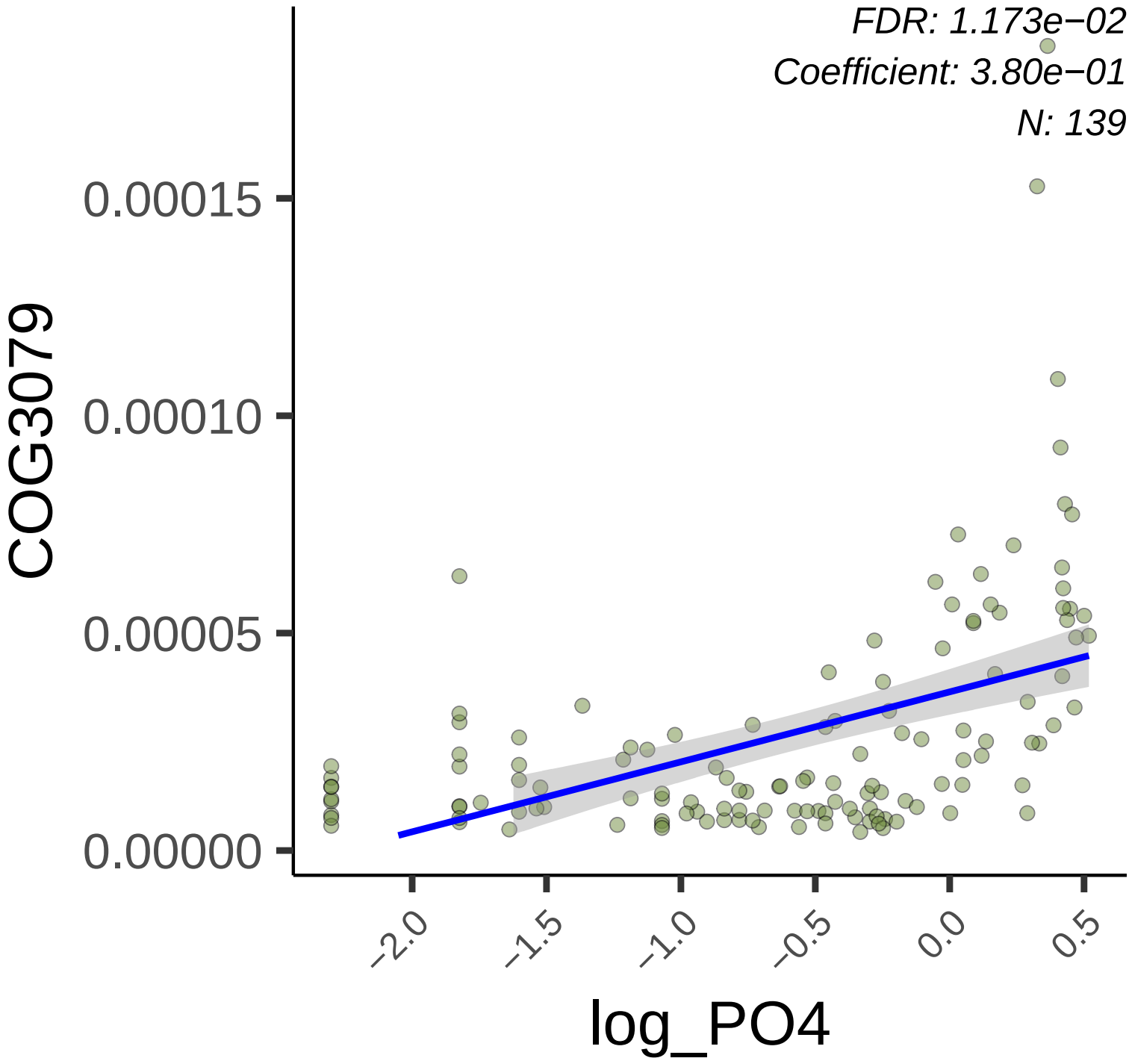
log_PO4


FDR: 1.173e−02
Coefficient: 3.80e−01
N: 139
COG3079
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0.00005
0.00000
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−1.5
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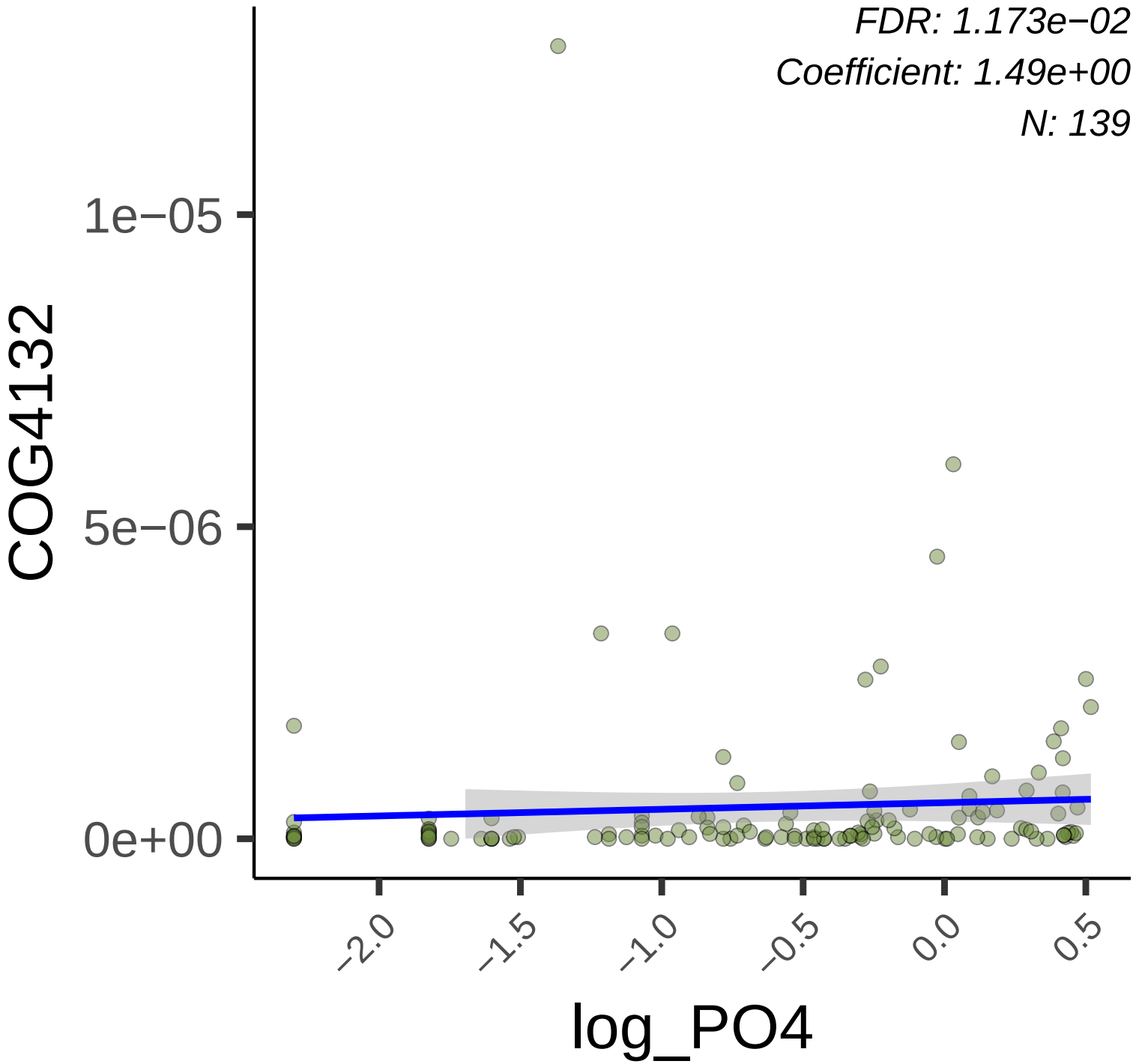
log_PO4


FDR: 1.173e−02
Coefficient: 1.49e+00
N: 139
COG4132
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0e+00
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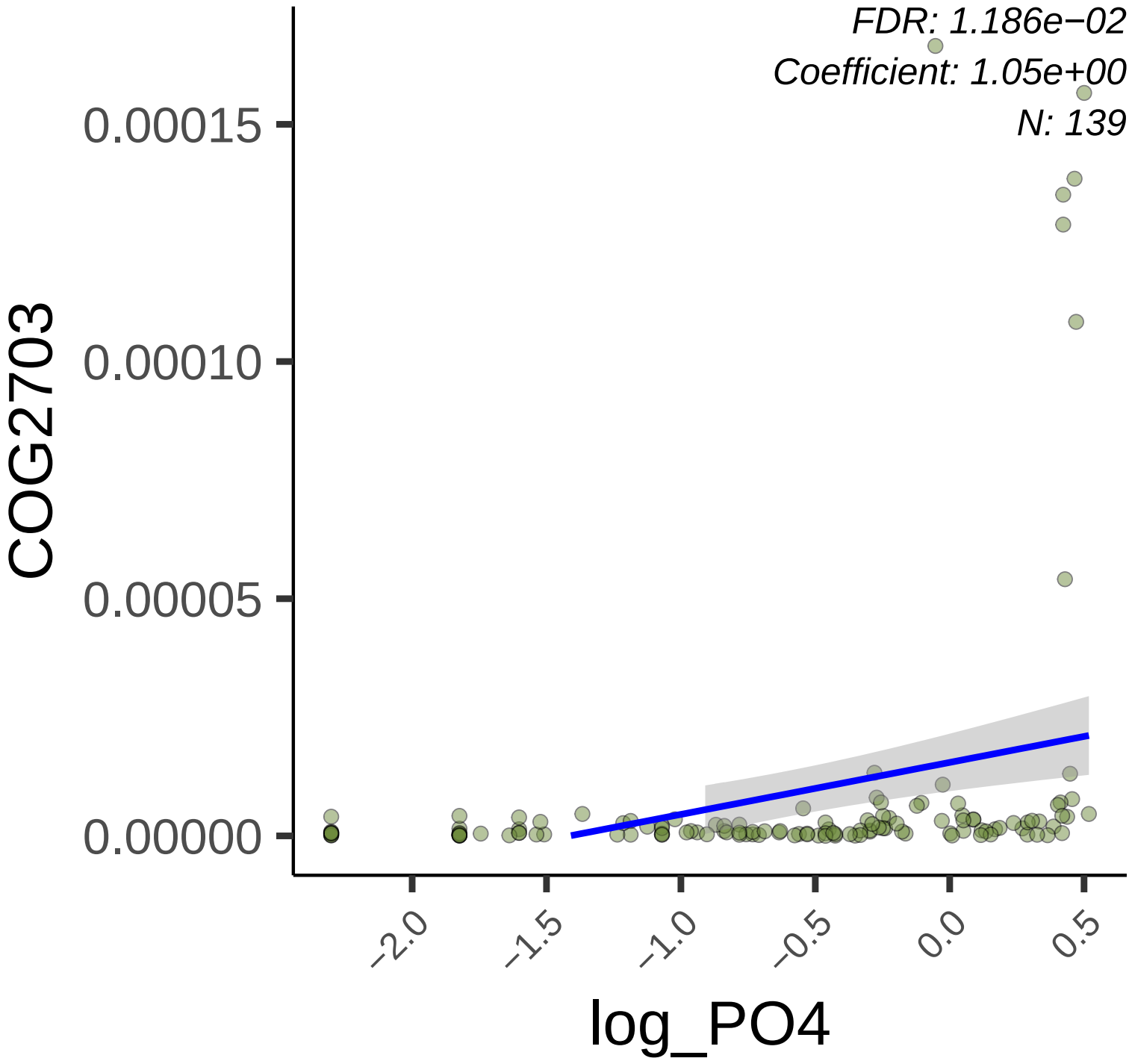
log_PO4


FDR: 1.186e−02
Coefficient: 1.05e+00
N: 139
COG2703
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0.00010
0.00005
0.00000
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−1.5
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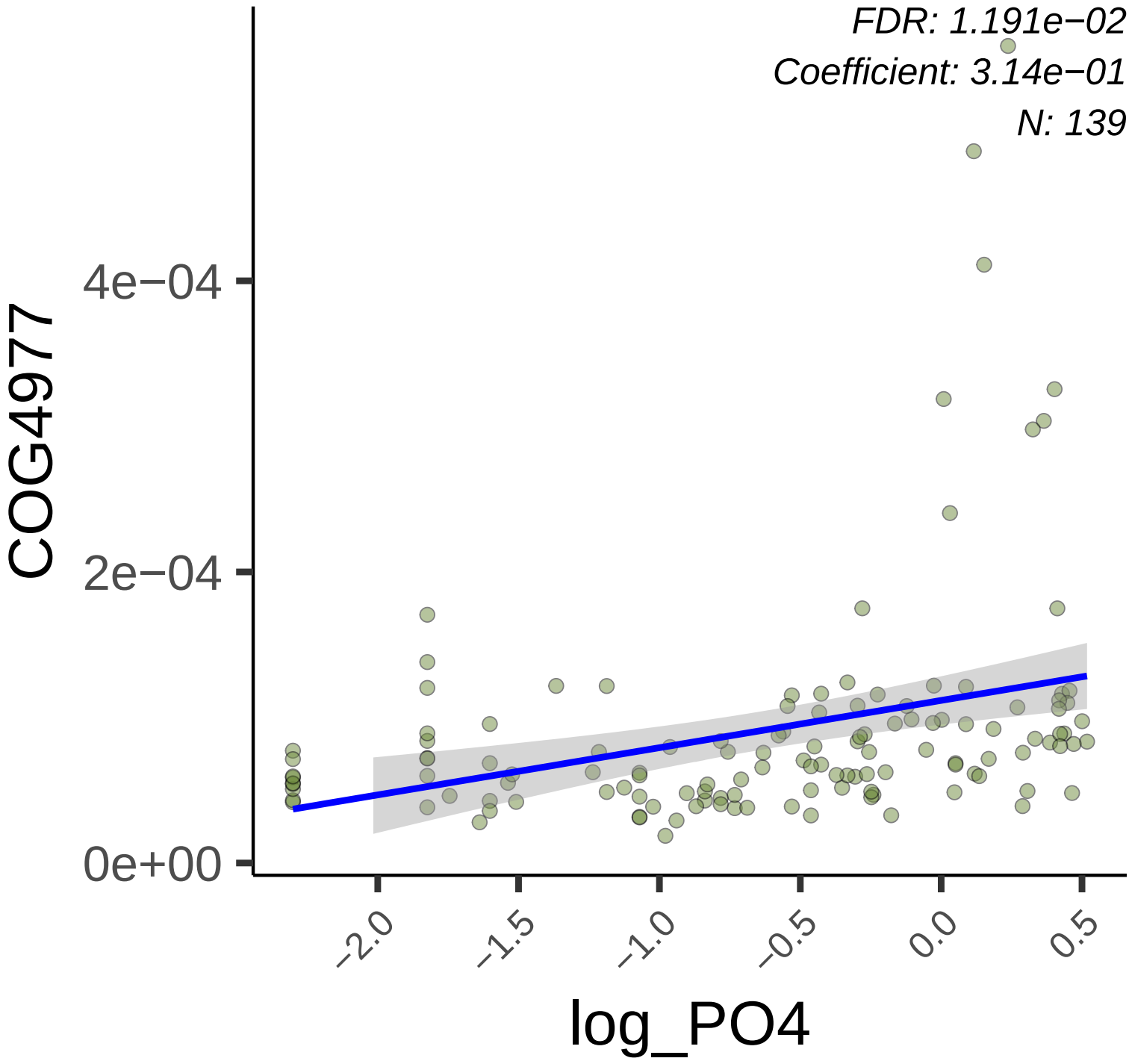
log_PO4


FDR: 1.191e−02
Coefficient: 3.14e−01
N: 139
COG4977
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0e+00
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−1.5
−1.0
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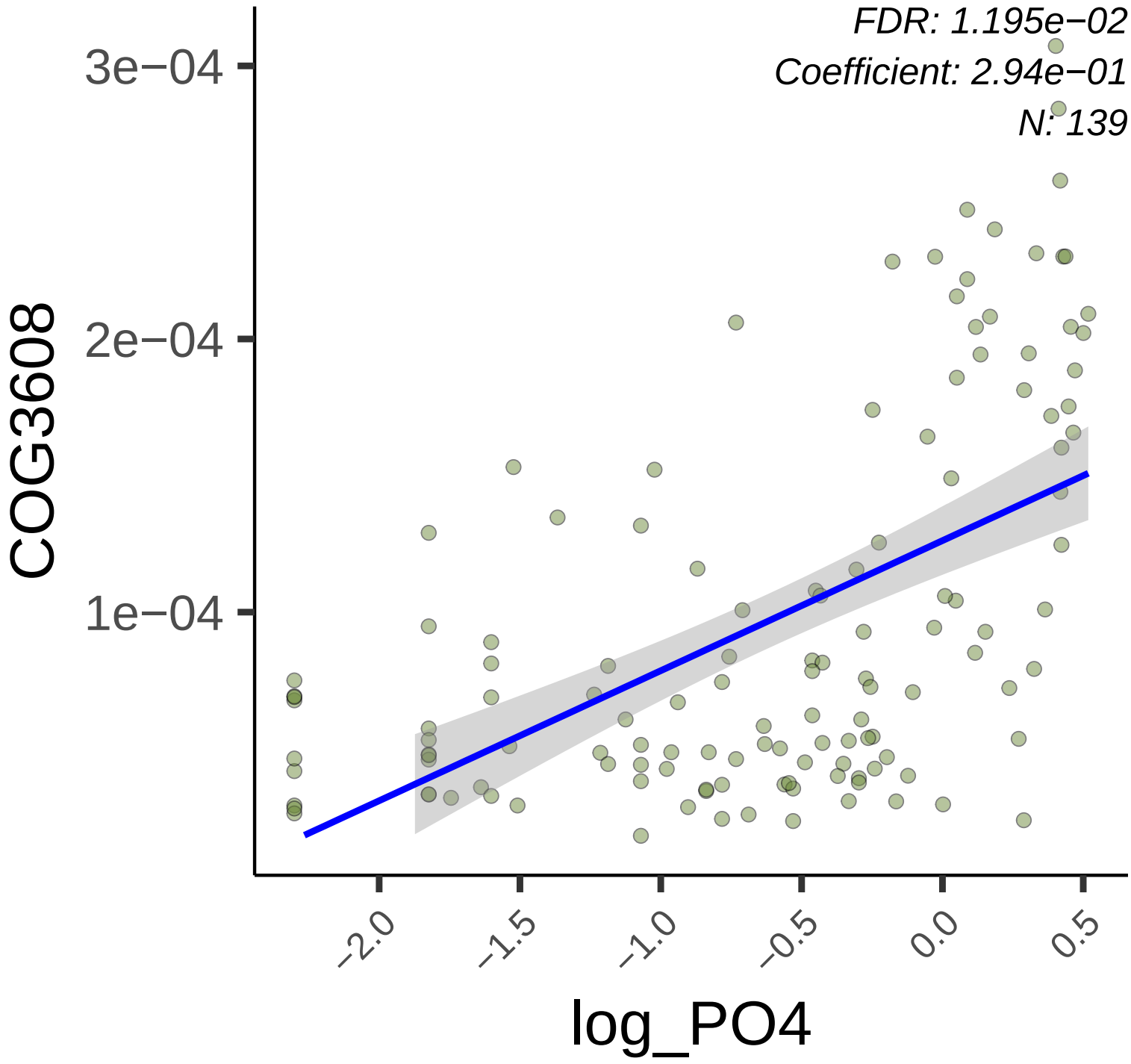
log_PO4


FDR: 1.195e−02
Coefficient: 2.94e−01
N: 139
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COG3608
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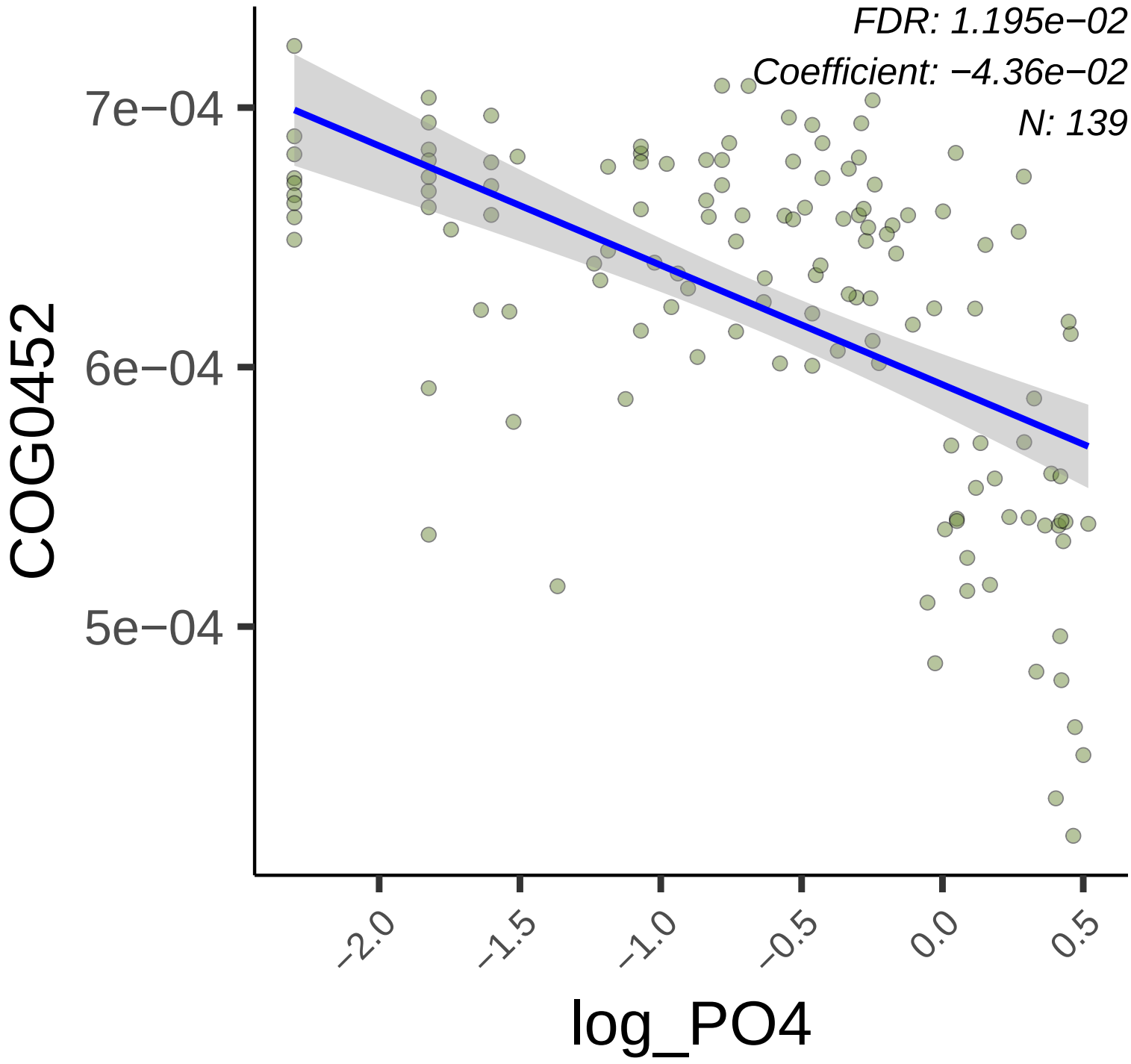
log_PO4


FDR: 1.195e−02
Coefficient: −4.36e−02
N: 139
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6e−04
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COG0452
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−1.5
−1.0
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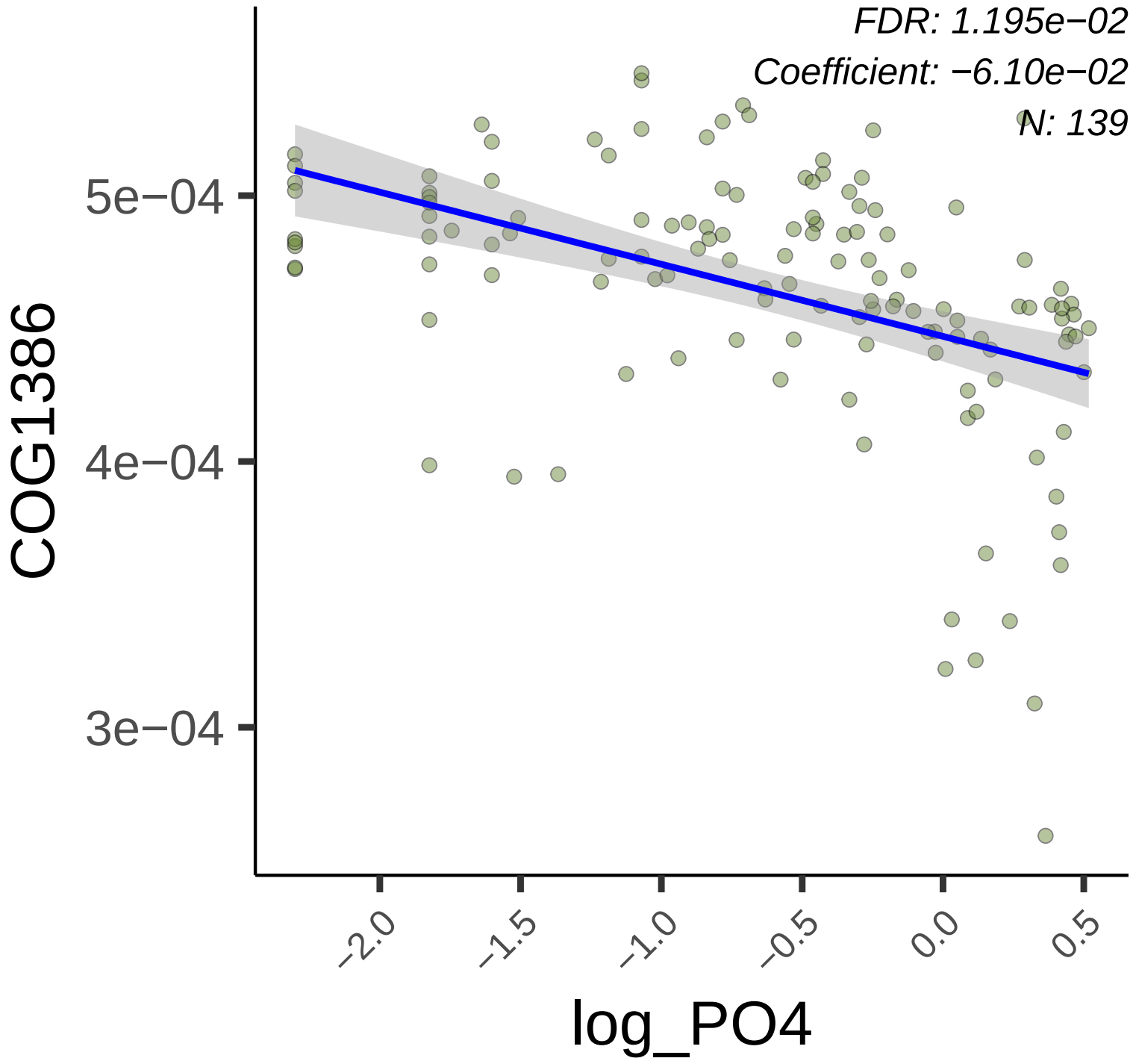
log_PO4


FDR: 1.195e−02
Coefficient: −6.10e−02
N: 139
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4e−04
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COG1386
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−1.5
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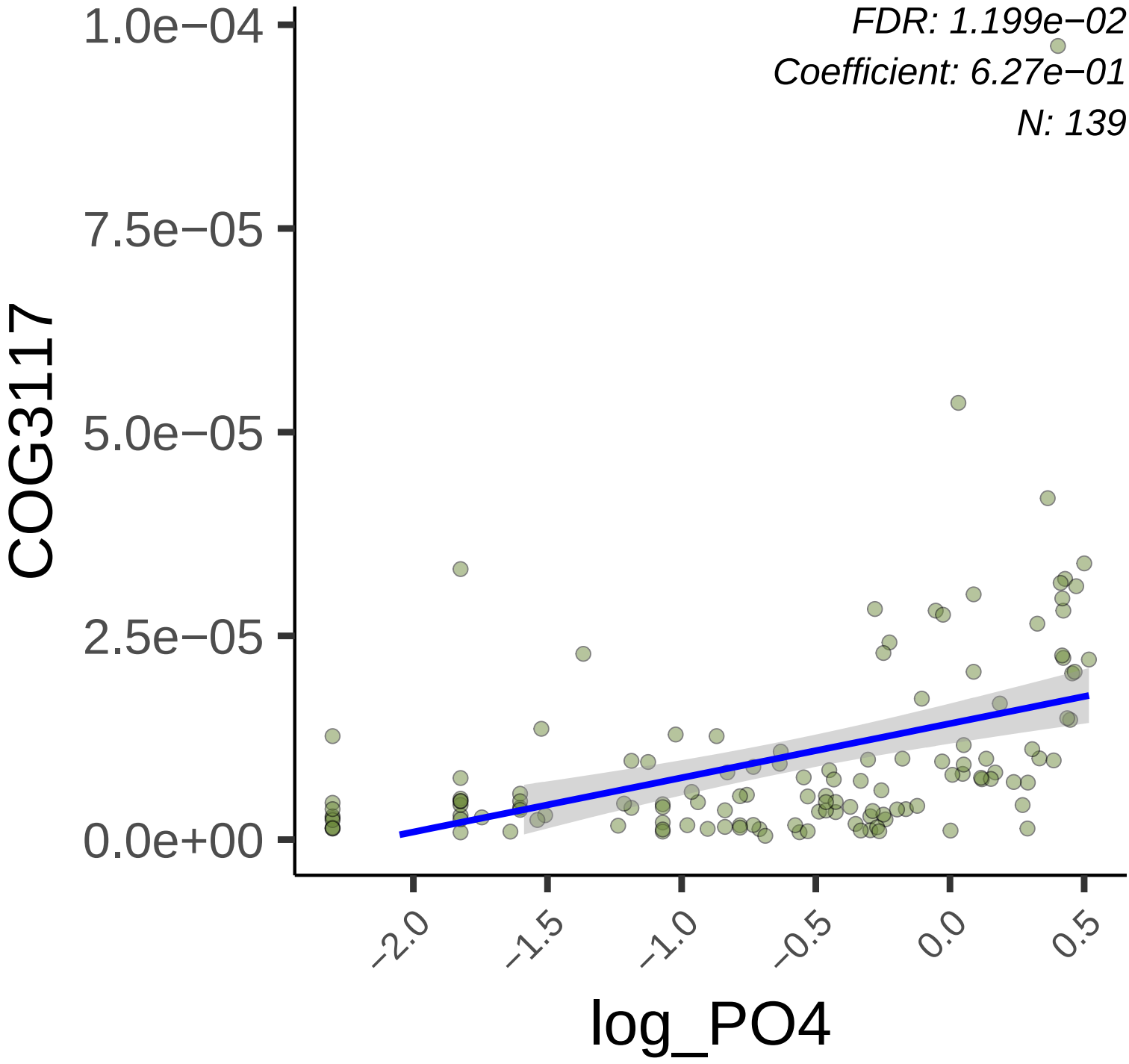
log_PO4


FDR: 1.199e−02
Coefficient: 6.27e−01
N: 139
1.0e−04
7.5e−05
5.0e−05
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COG3117
−2.0
−1.5
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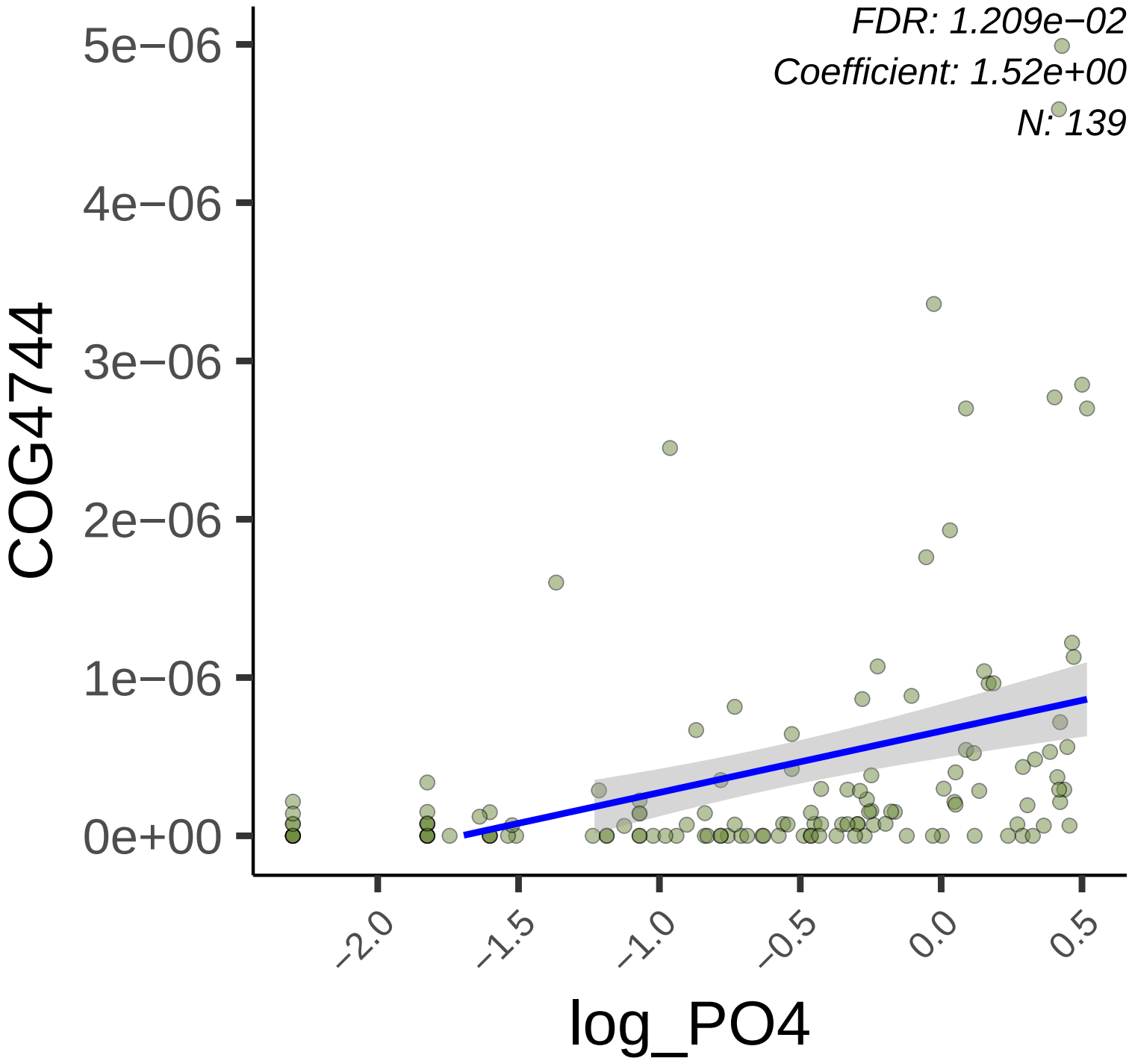
log_PO4


FDR: 1.209e−02
Coefficient: 1.52e+00
N: 139
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3e−06
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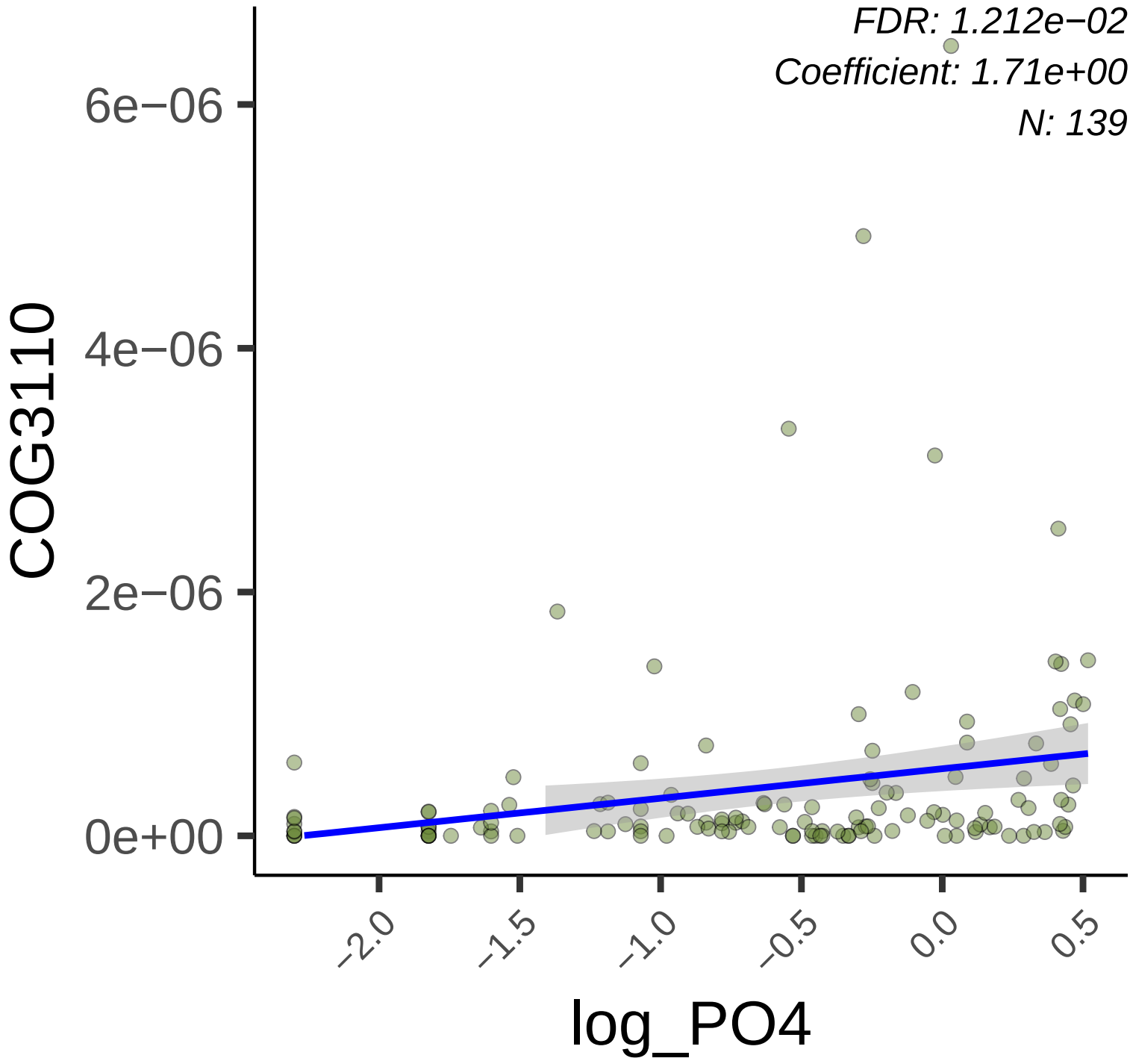
log_PO4


FDR: 1.212e−02
Coefficient: 1.71e+00
N: 139
COG3110
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4e−06
2e−06
0e+00
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−1.5
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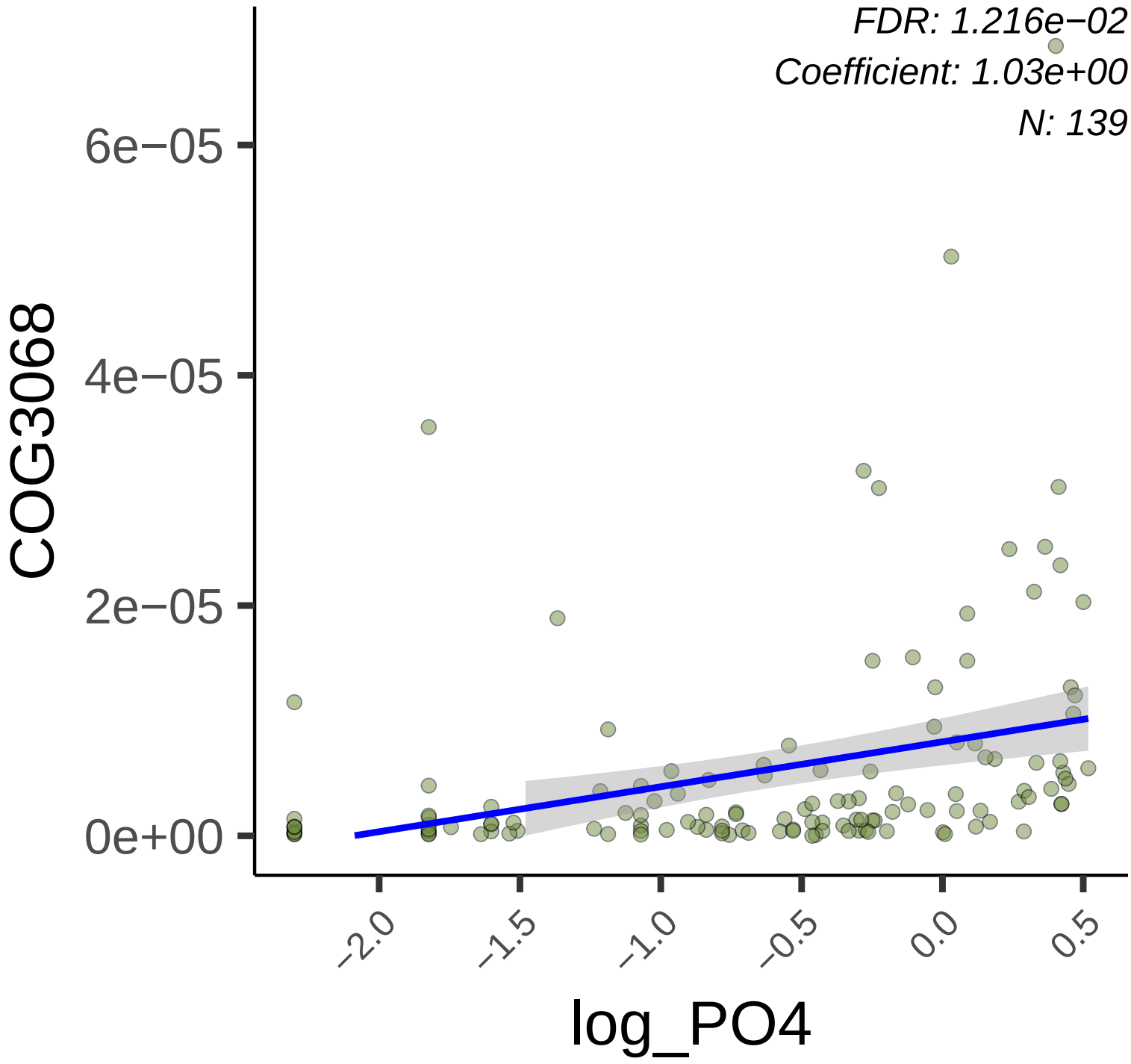
log_PO4


FDR: 1.216e−02
Coefficient: 1.03e+00
N: 139
COG3068
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4e−05
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0e+00
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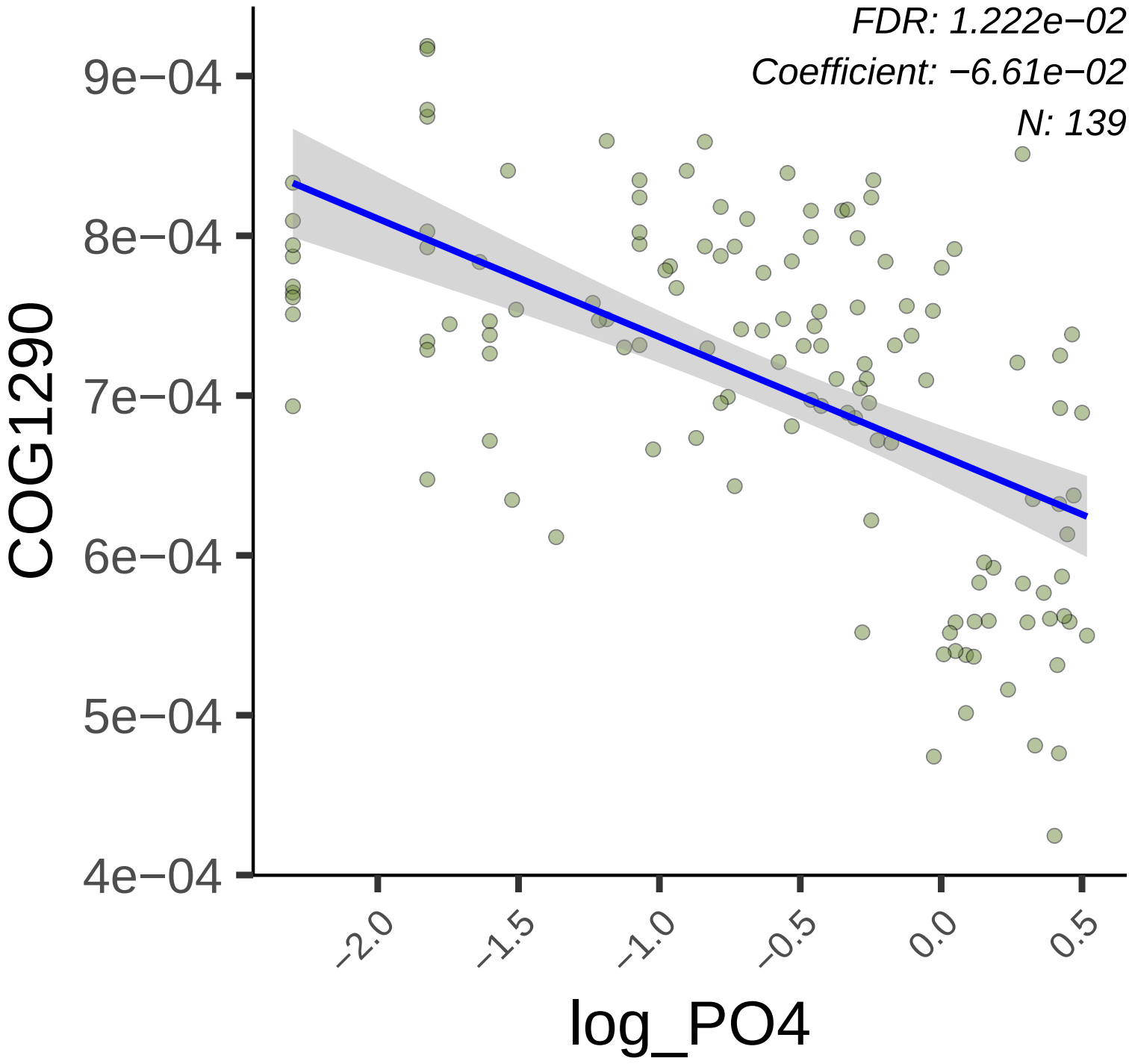
log_PO4


FDR: 1.222e−02
Coefficient: −6.61e−02
N: 139
COG1290
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8e−04
7e−04
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4e−04
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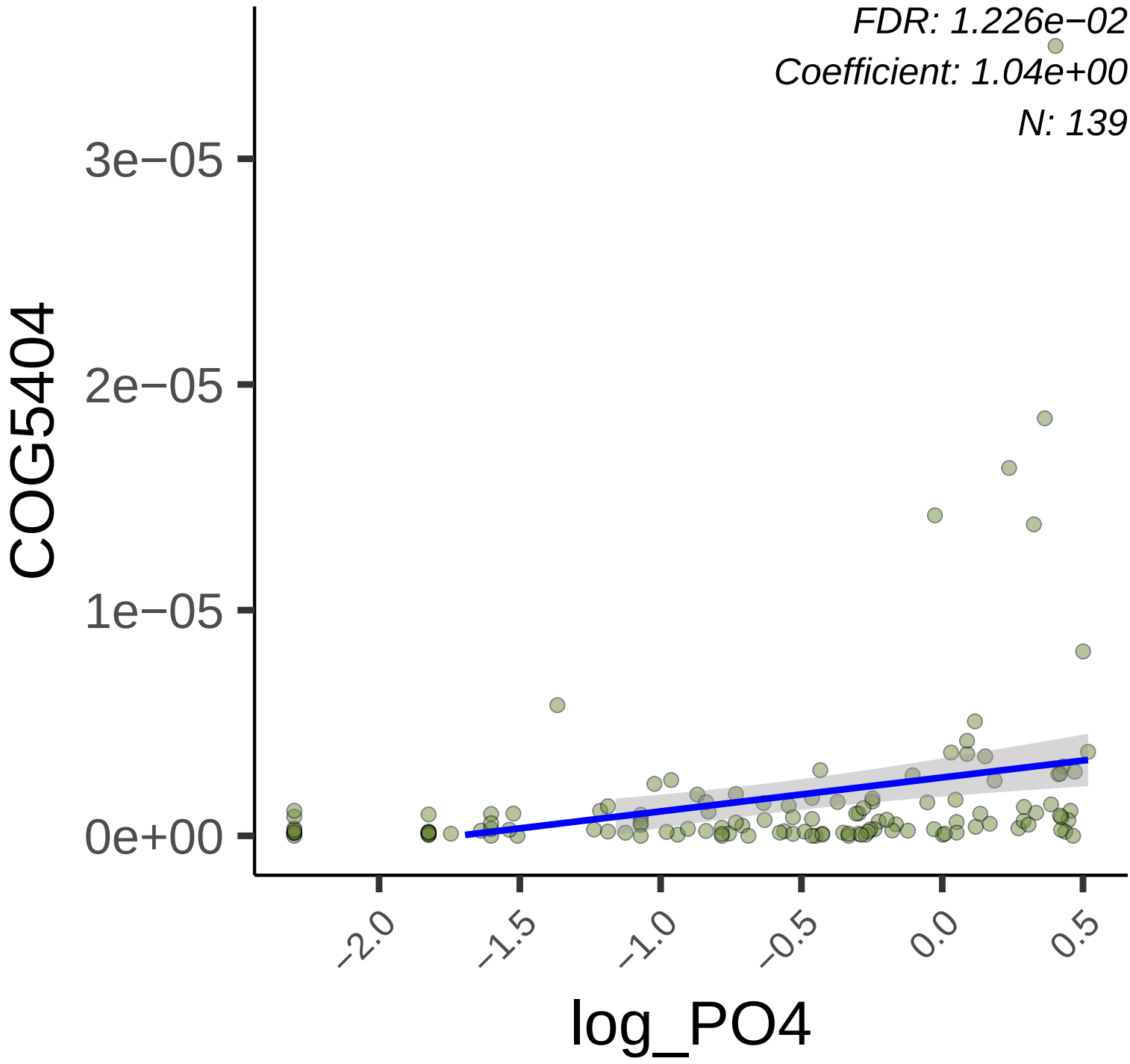
log_PO4


FDR: 1.226e−02
Coefficient: 1.04e+00
N: 139
COG5404
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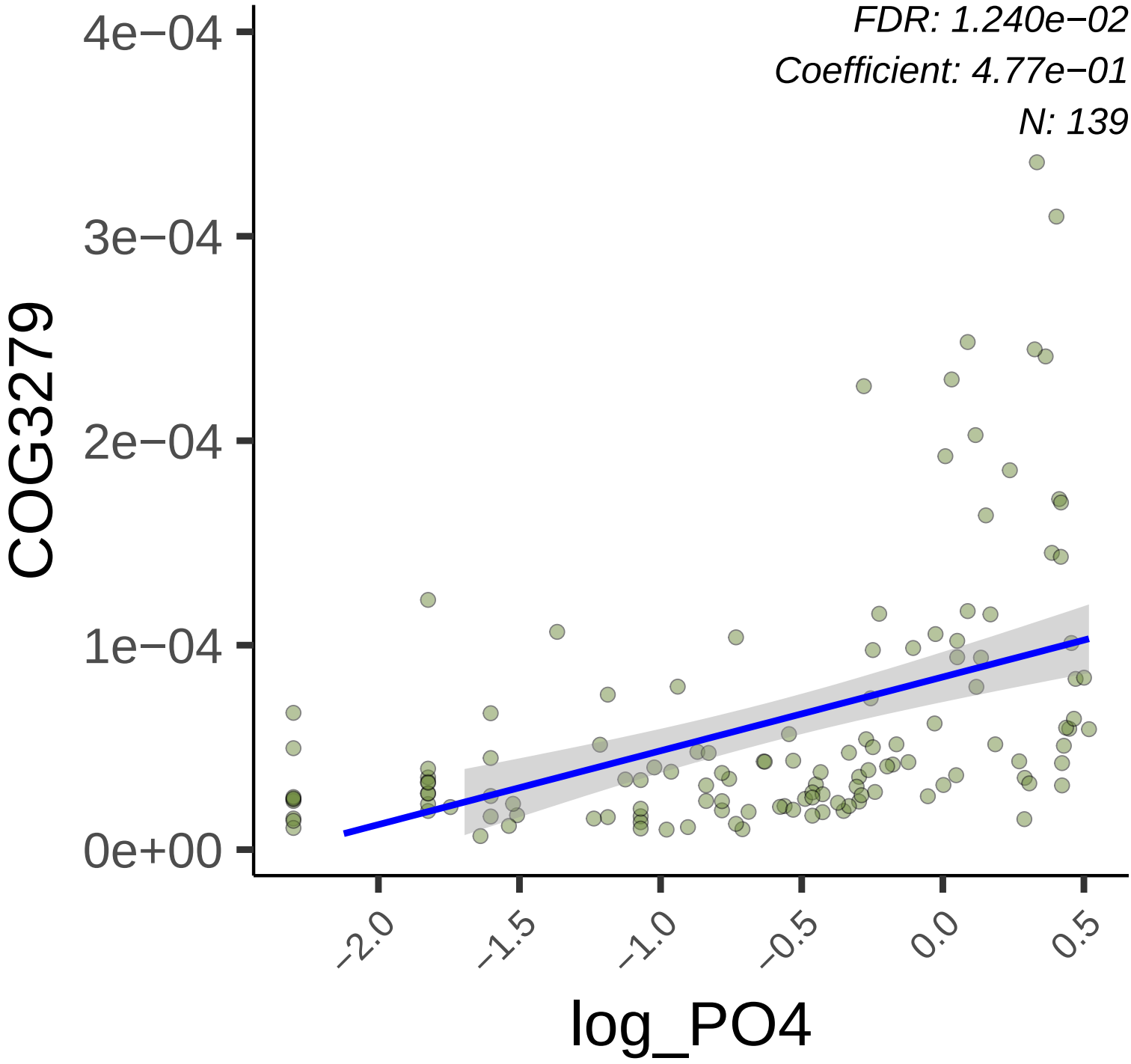
log_PO4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Coefficient: 4.77e−01
N: 139
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2e−04
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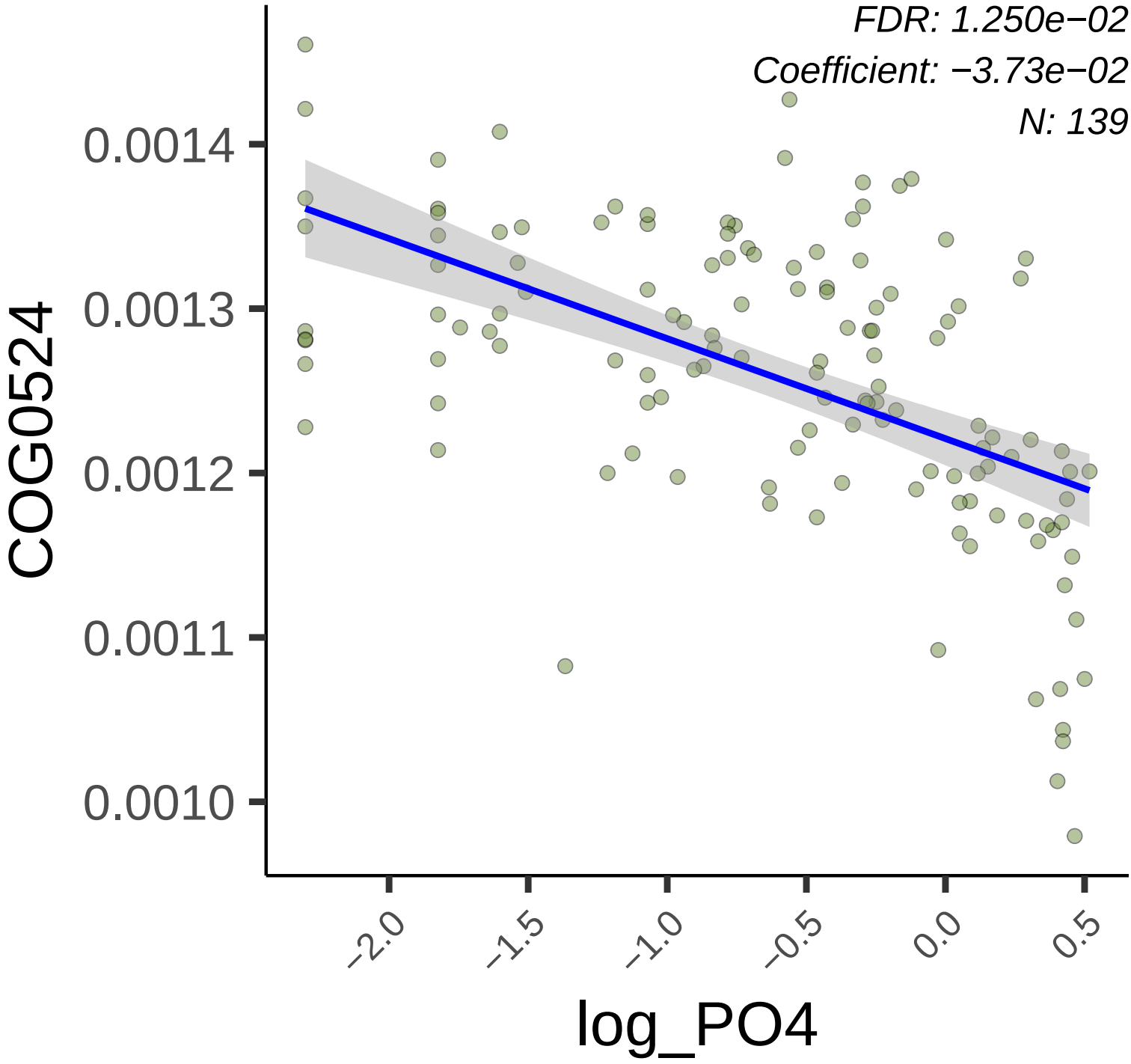
log_PO4


FDR: 1.250e−02
Coefficient: −3.73e−02
N: 139
COG0524
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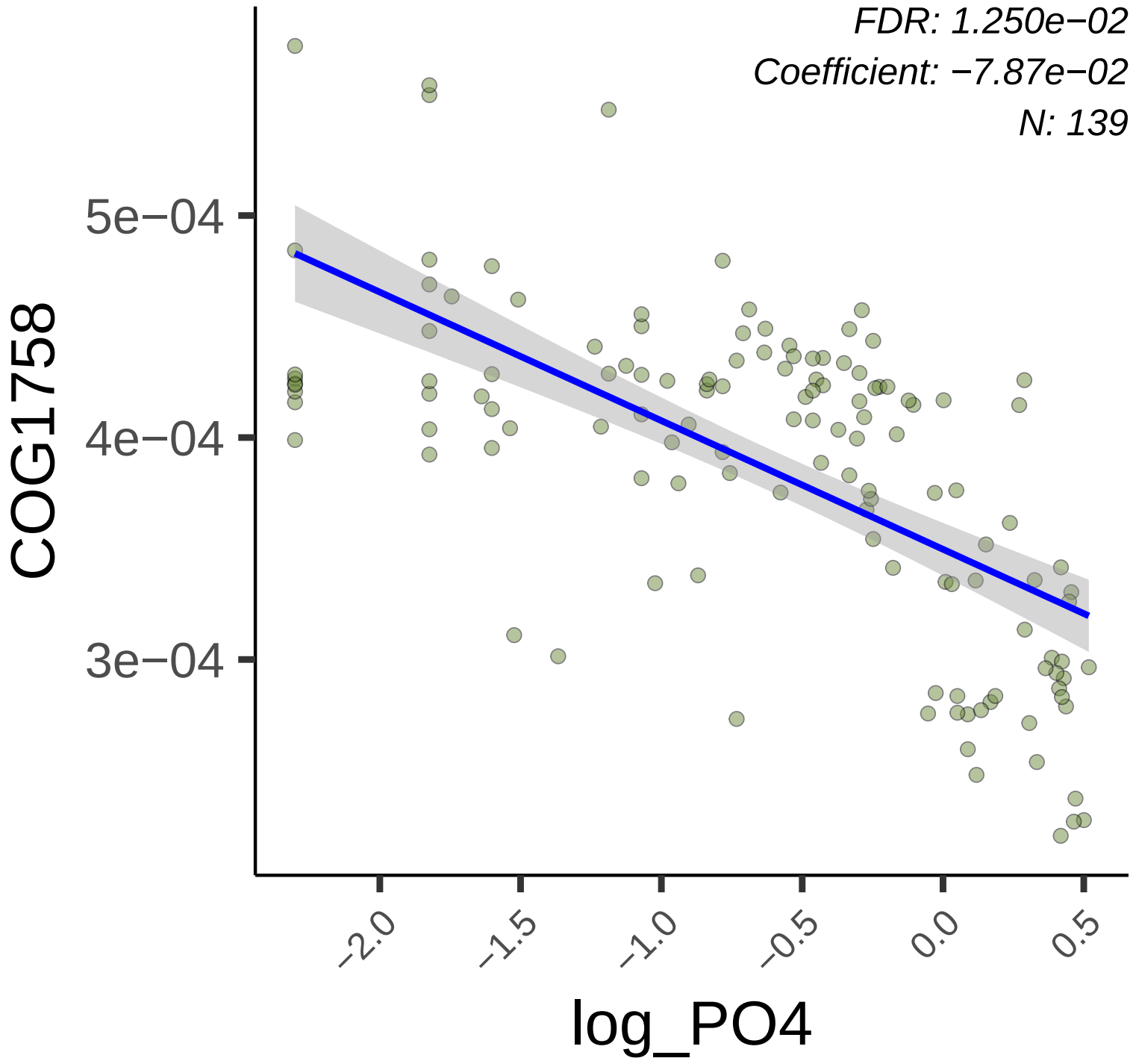
log_PO4


FDR: 1.250e−02
Coefficient: −7.87e−02
N: 139
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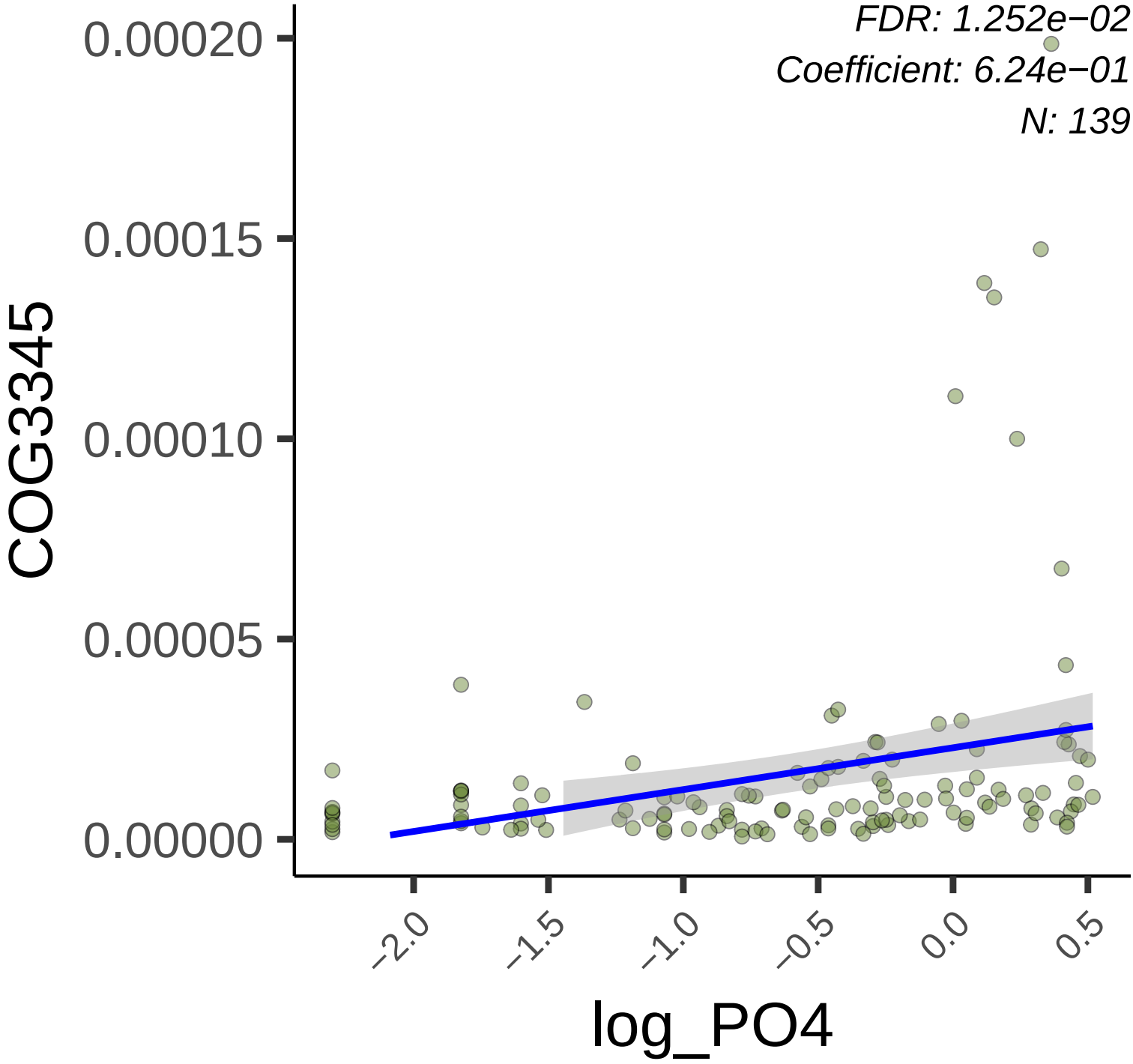
log_PO4


FDR: 1.252e−02
Coefficient: 6.24e−01
N: 139
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COG3345
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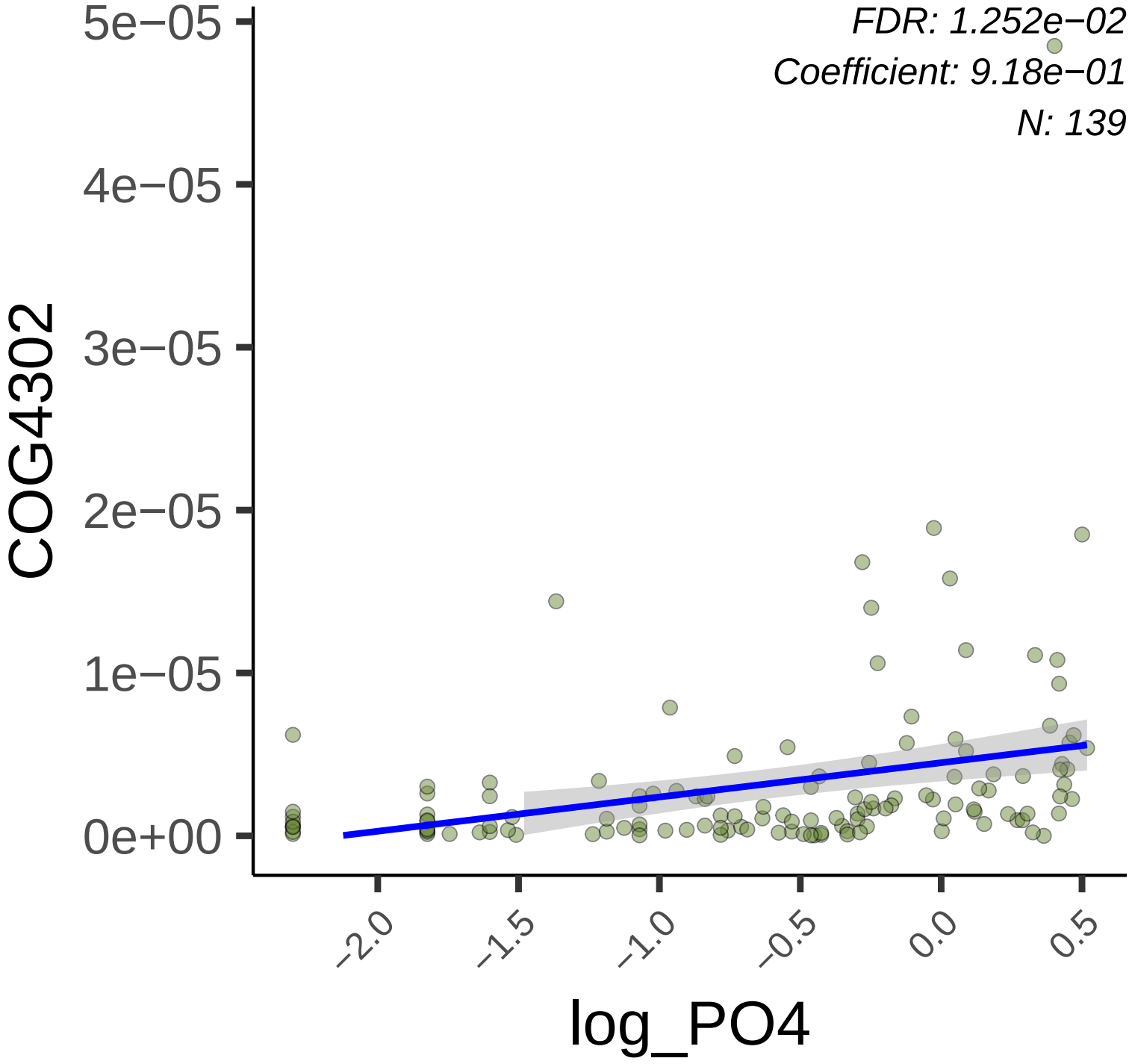
log_PO4


FDR: 1.252e−02
Coefficient: 9.18e−01
N: 139
COG4302
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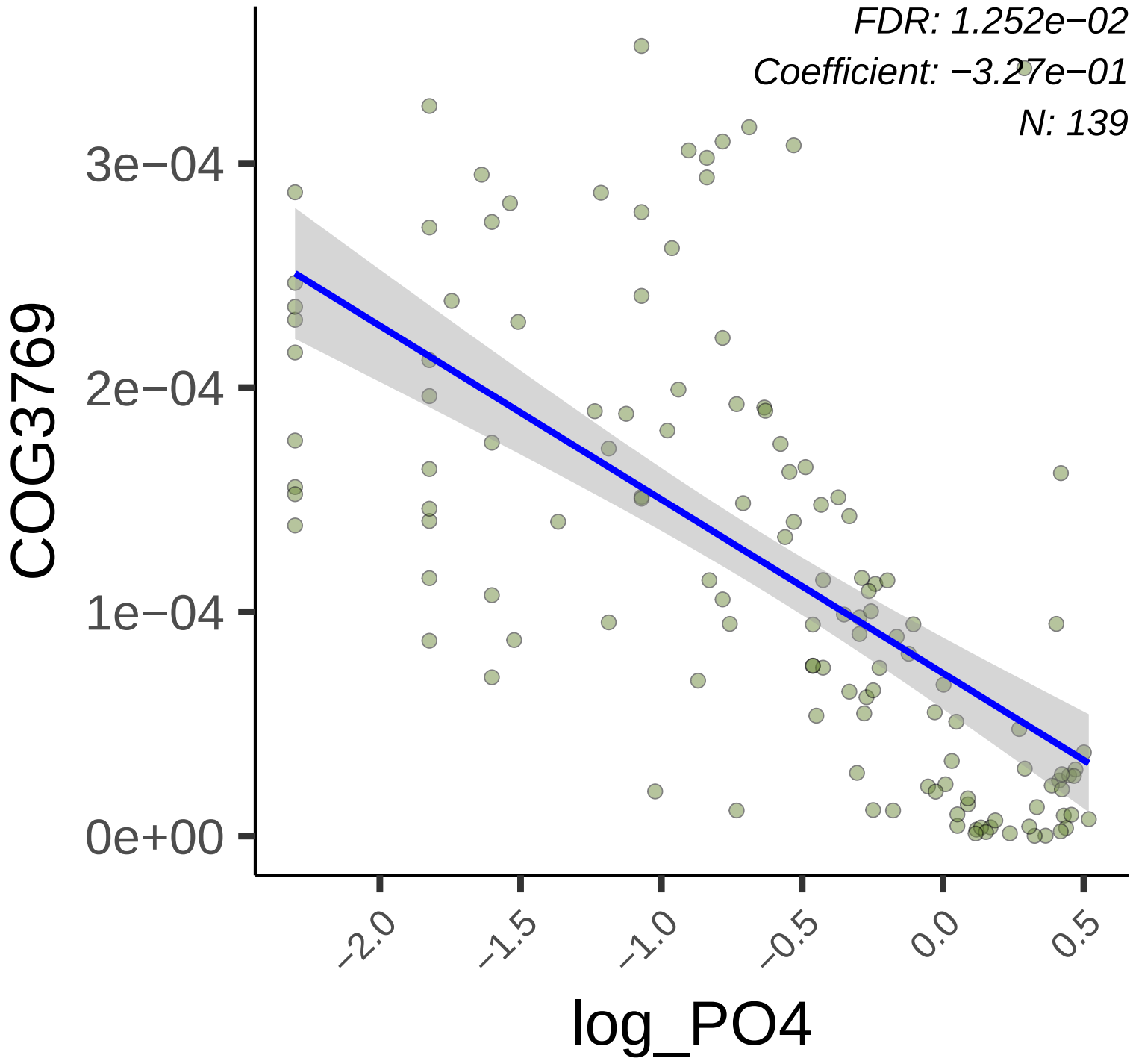
log_PO4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Coefficient: −3.27e−01
N: 139
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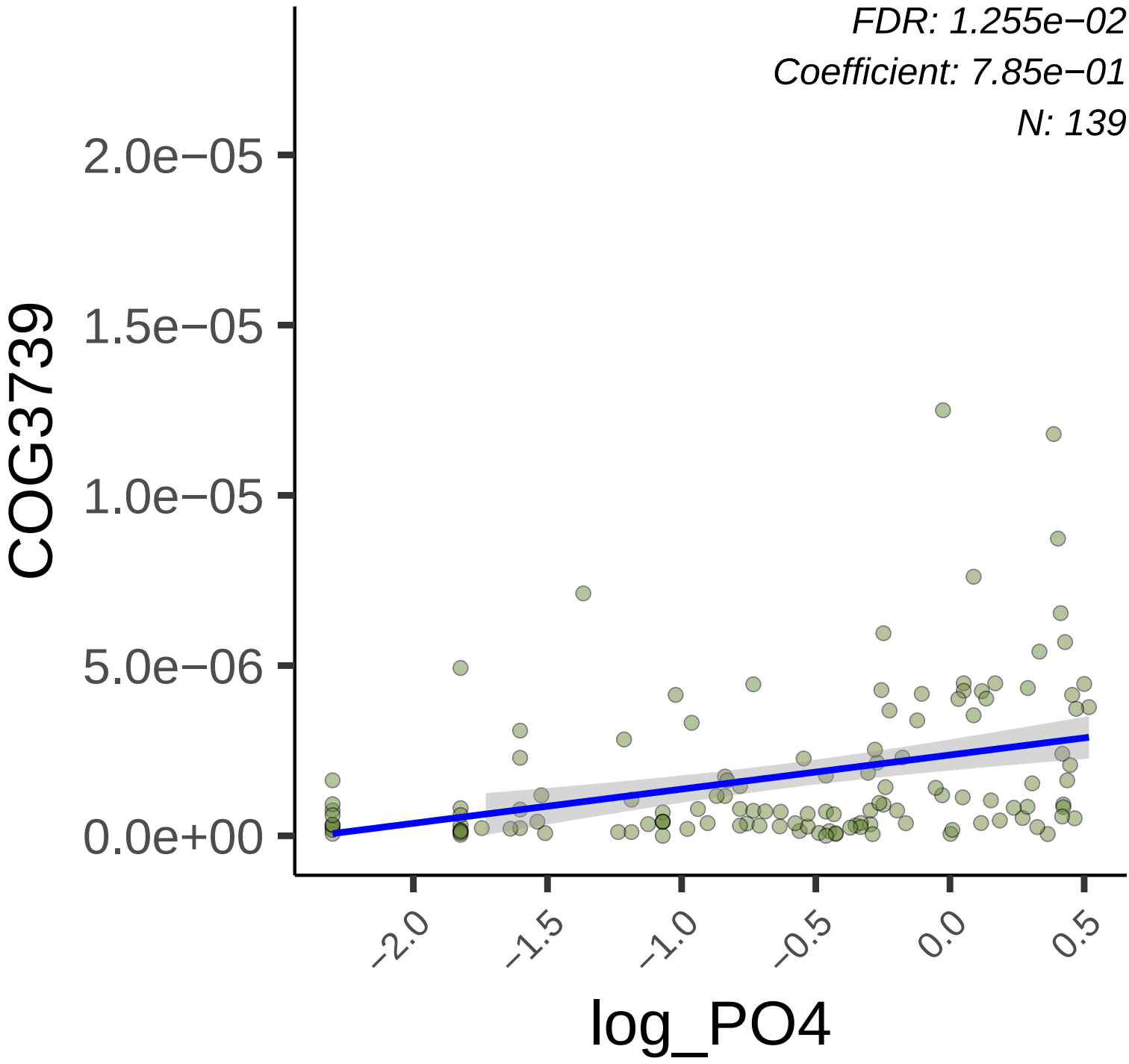
log_PO4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Coefficient: 7.85e−01
N: 139
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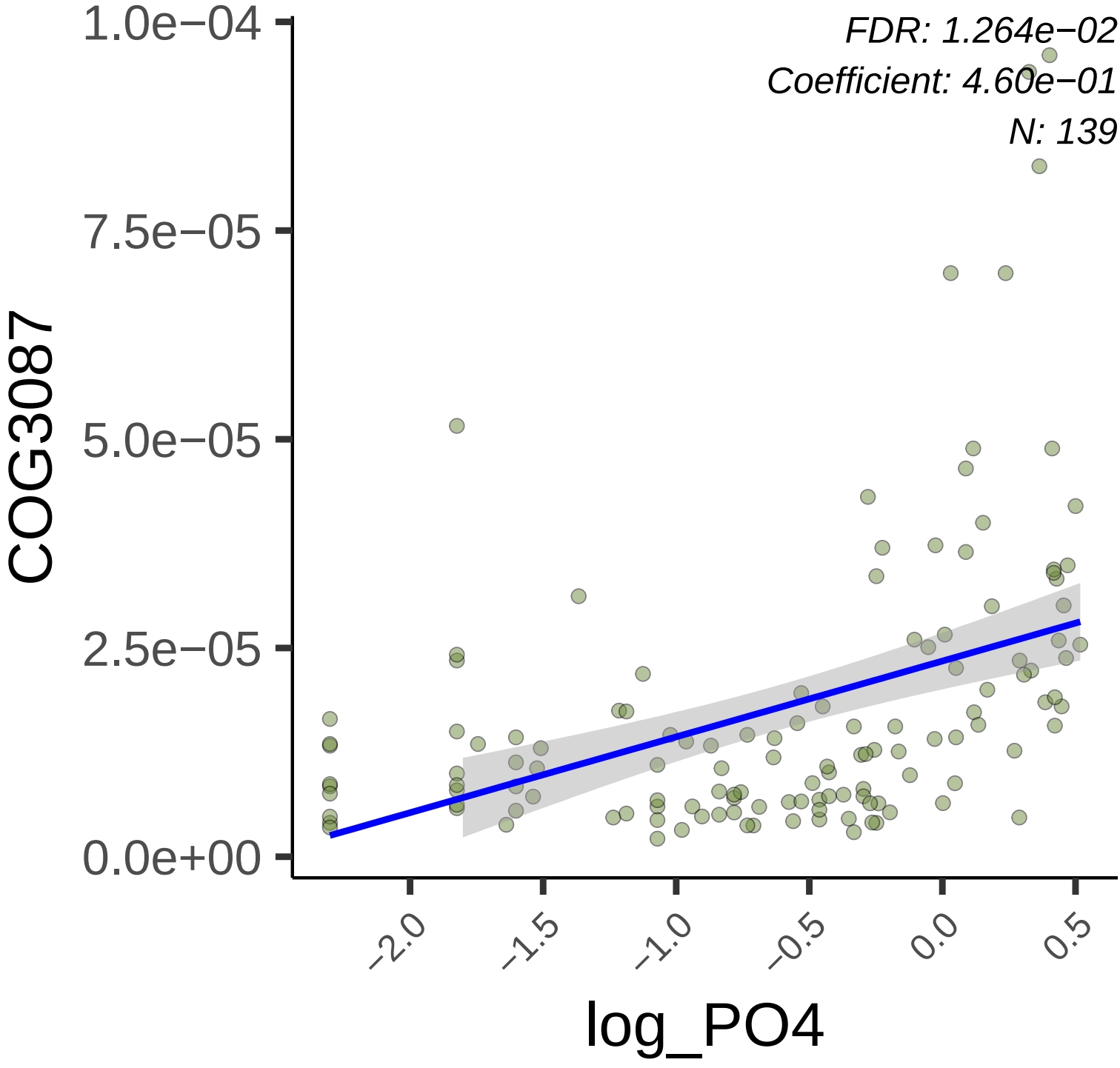
log_PO4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Coefficient: 4.60e−01
N: 139
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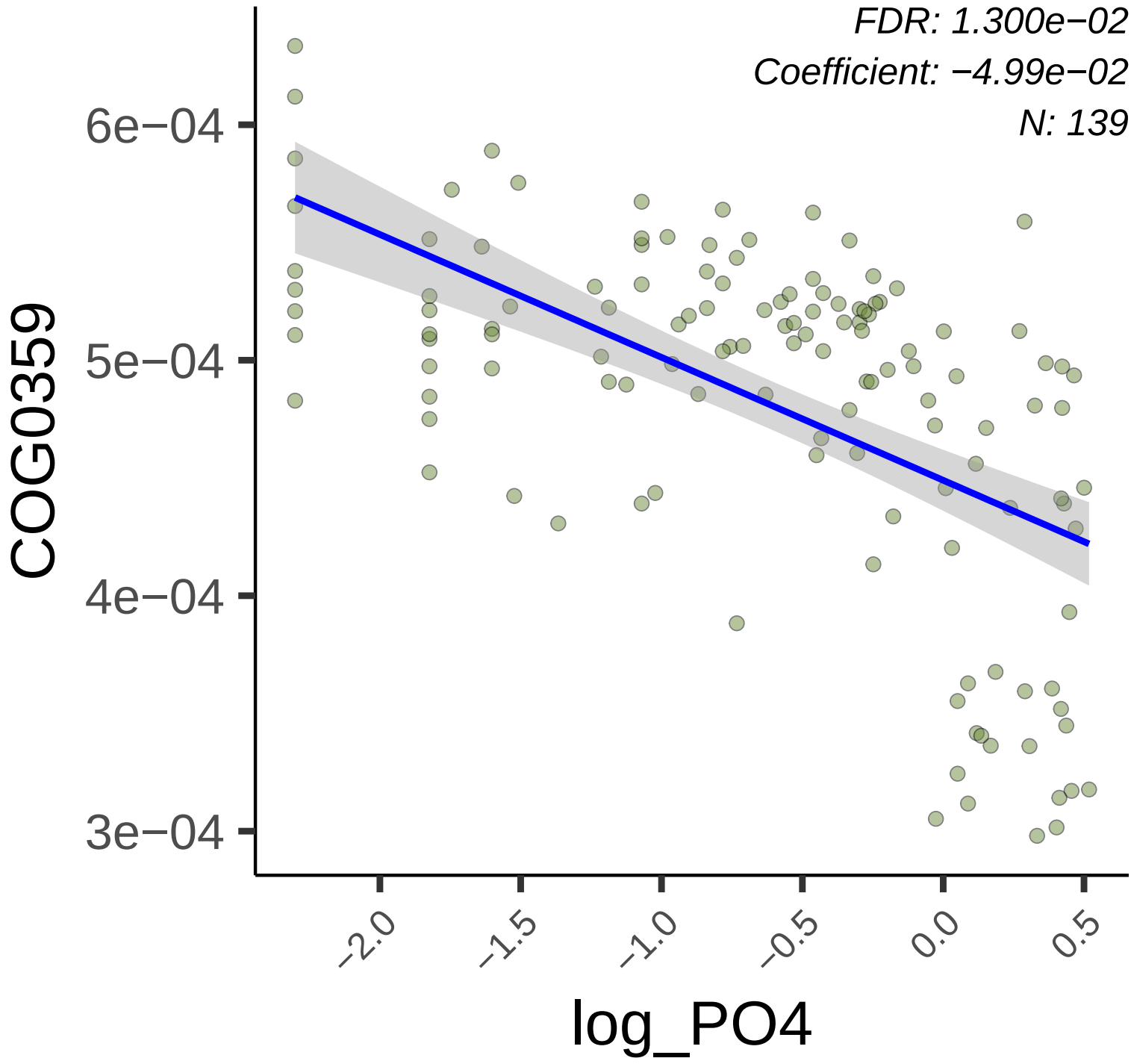
log_PO4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Coefficient: −4.99e−02
N: 139
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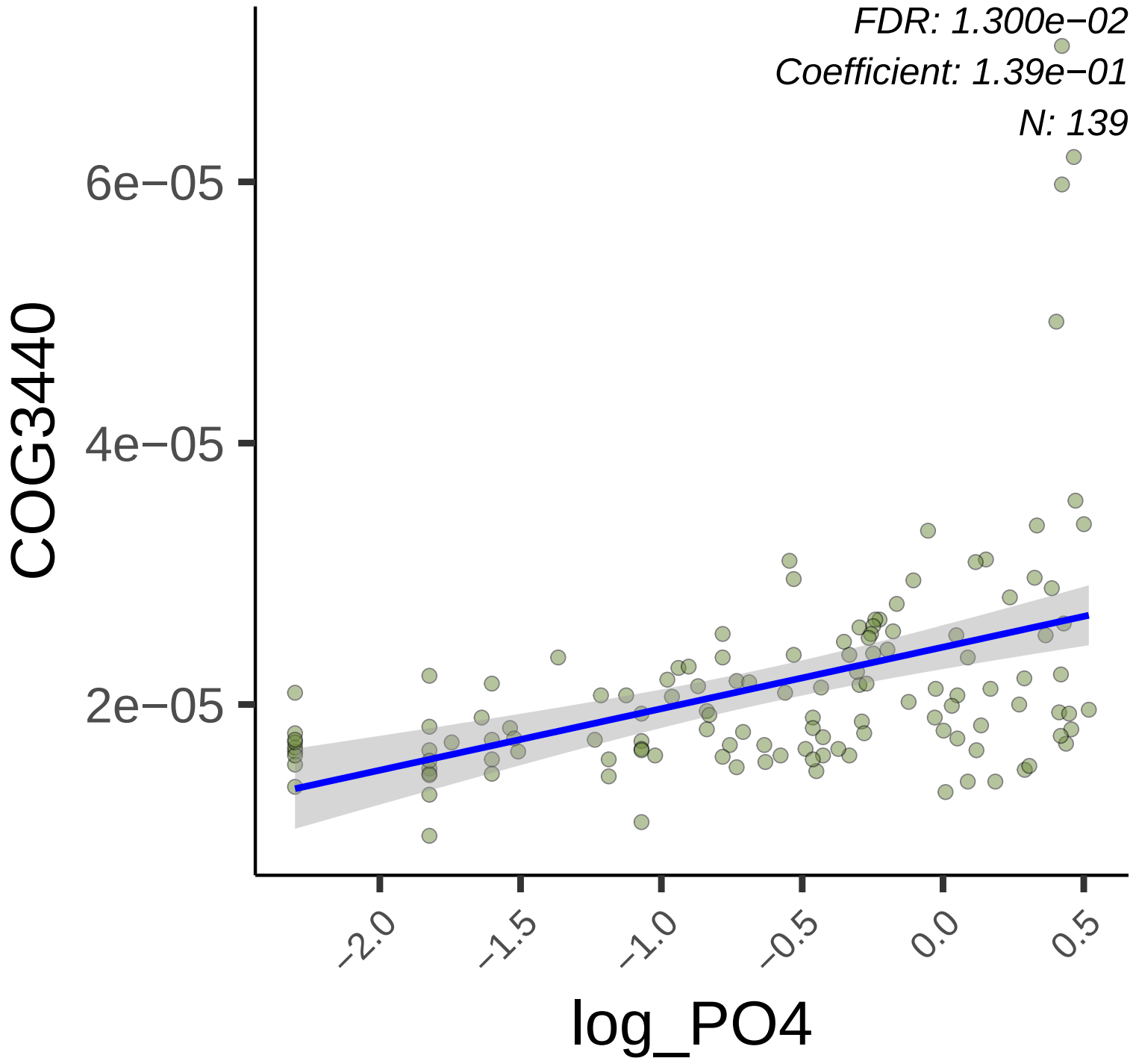
log_PO4


FDR: 1.300e−02
Coefficient: 1.39e−01
N: 139
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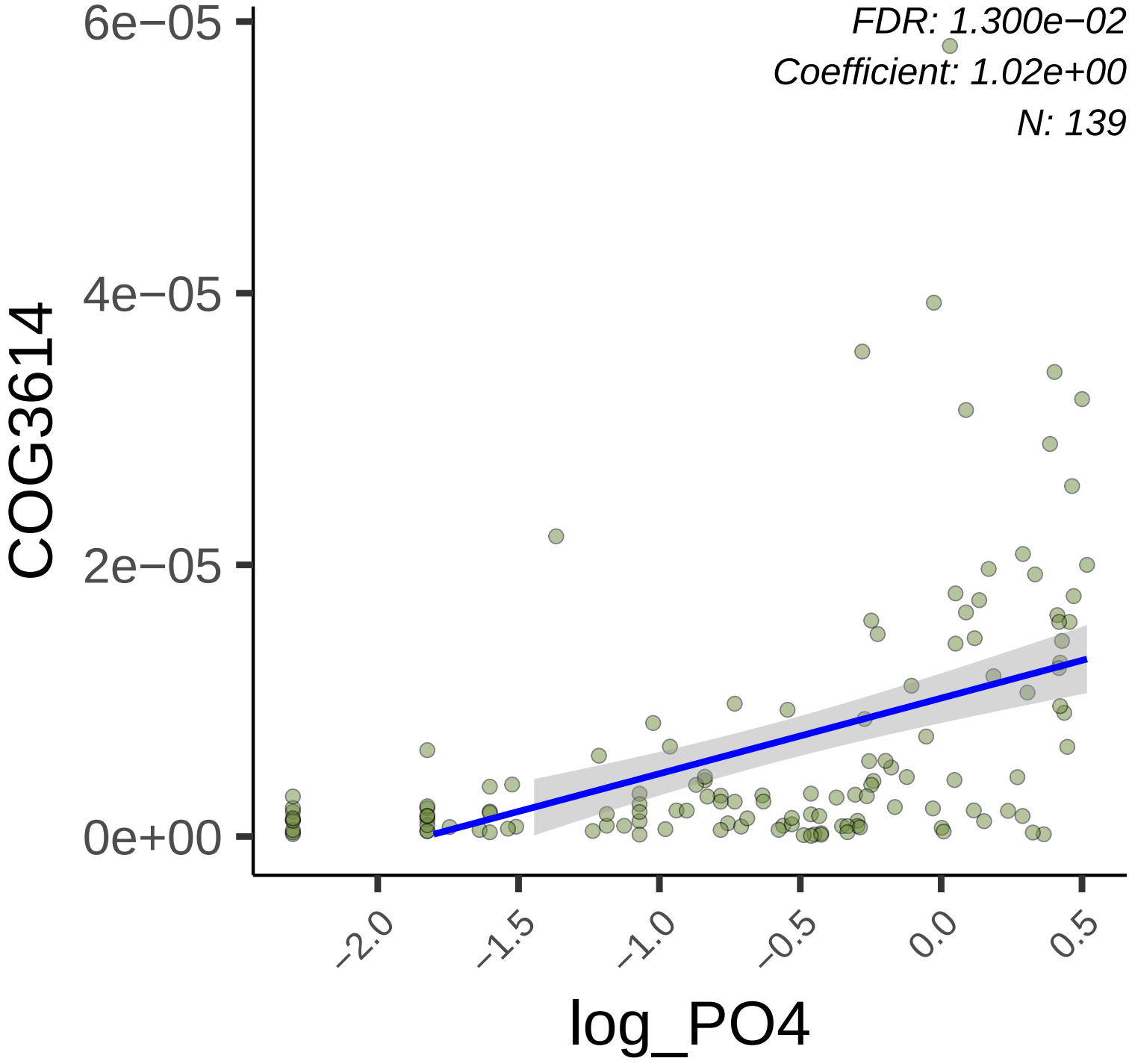
log_PO4


FDR: 1.300e−02
Coefficient: 1.02e+00
N: 139
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4e−05
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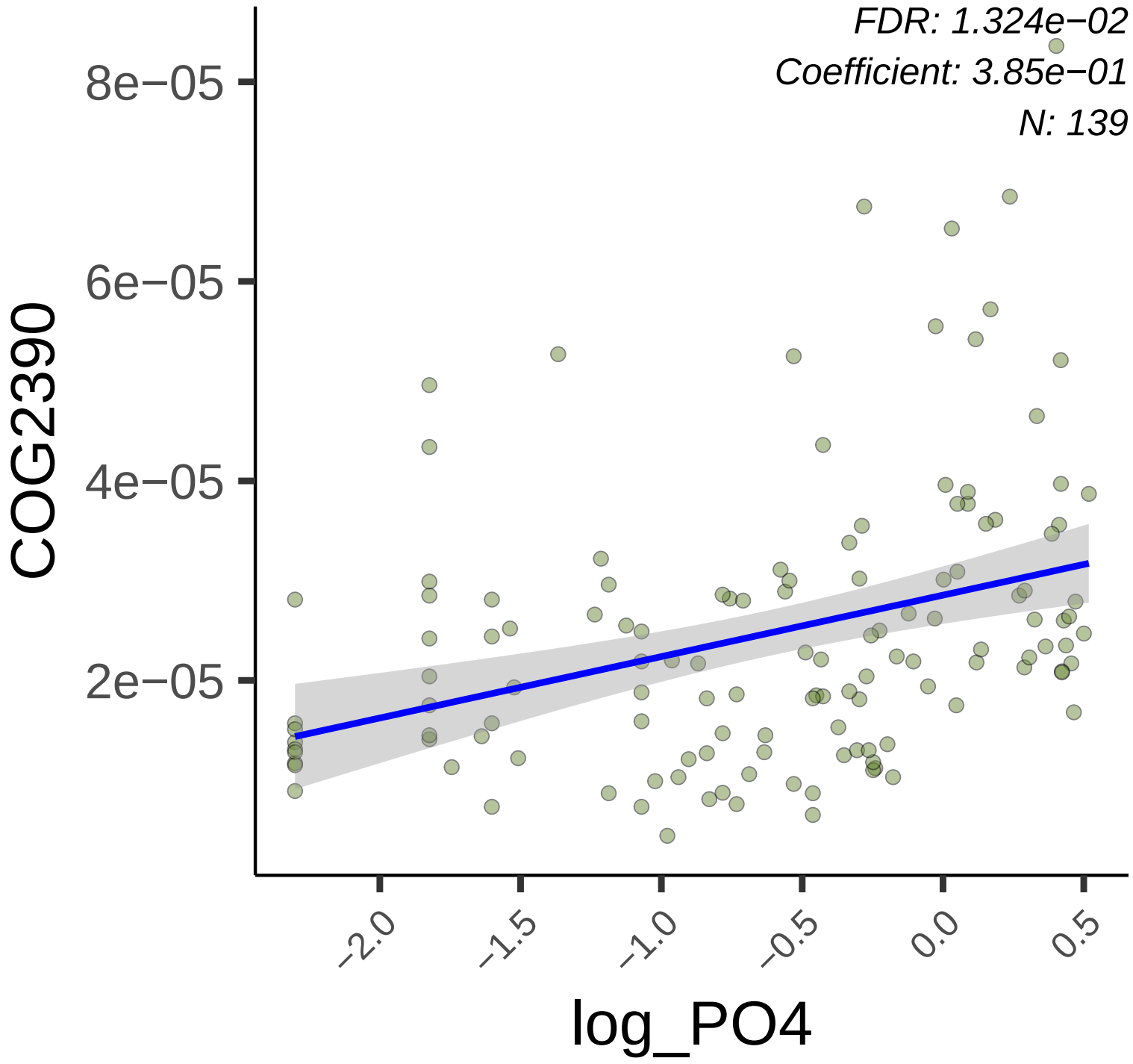
log_PO4


FDR: 1.324e−02
Coefficient: 3.85e−01
N: 139
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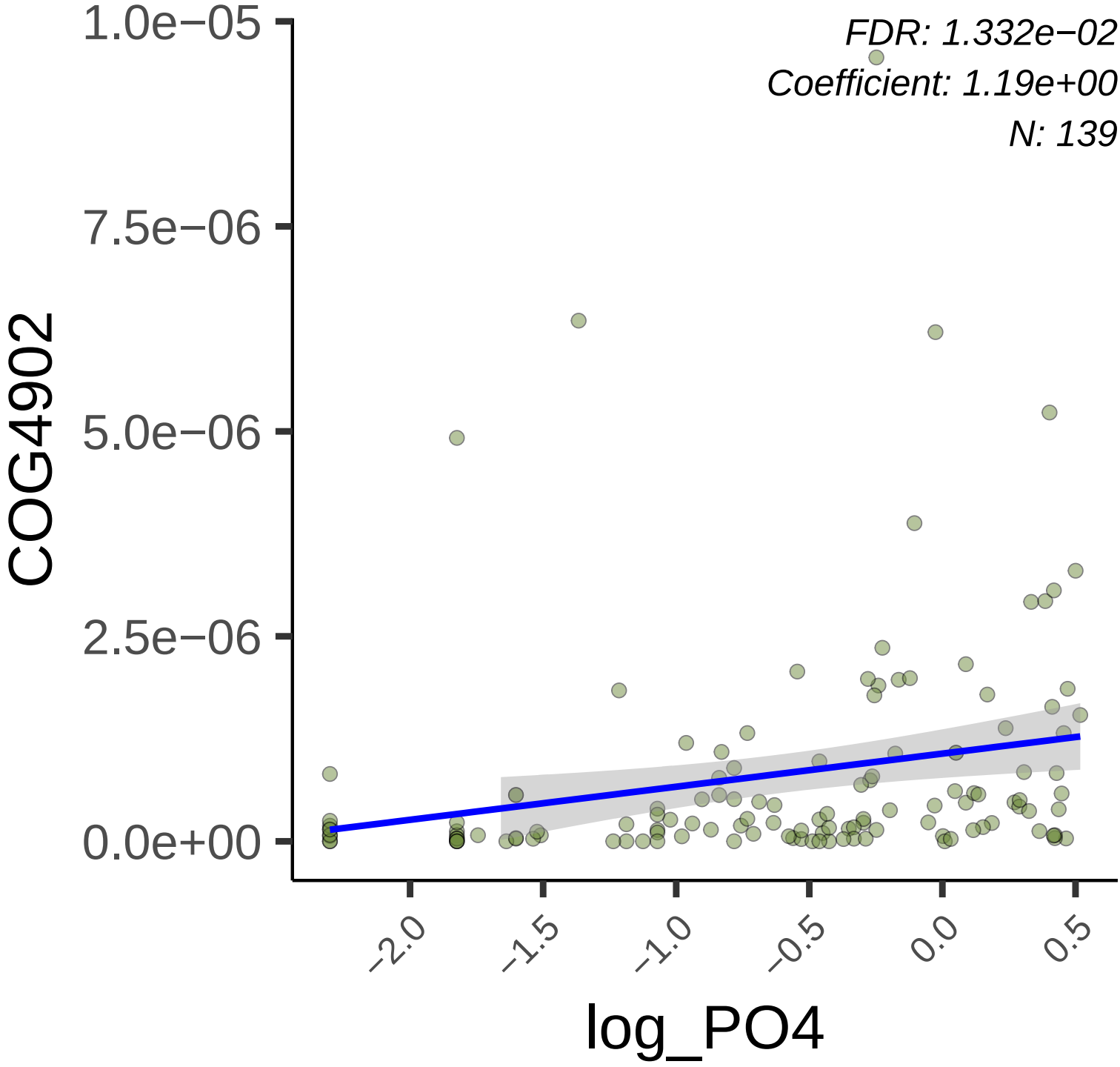
log_PO4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Coefficient: 1.19e+00
N: 139
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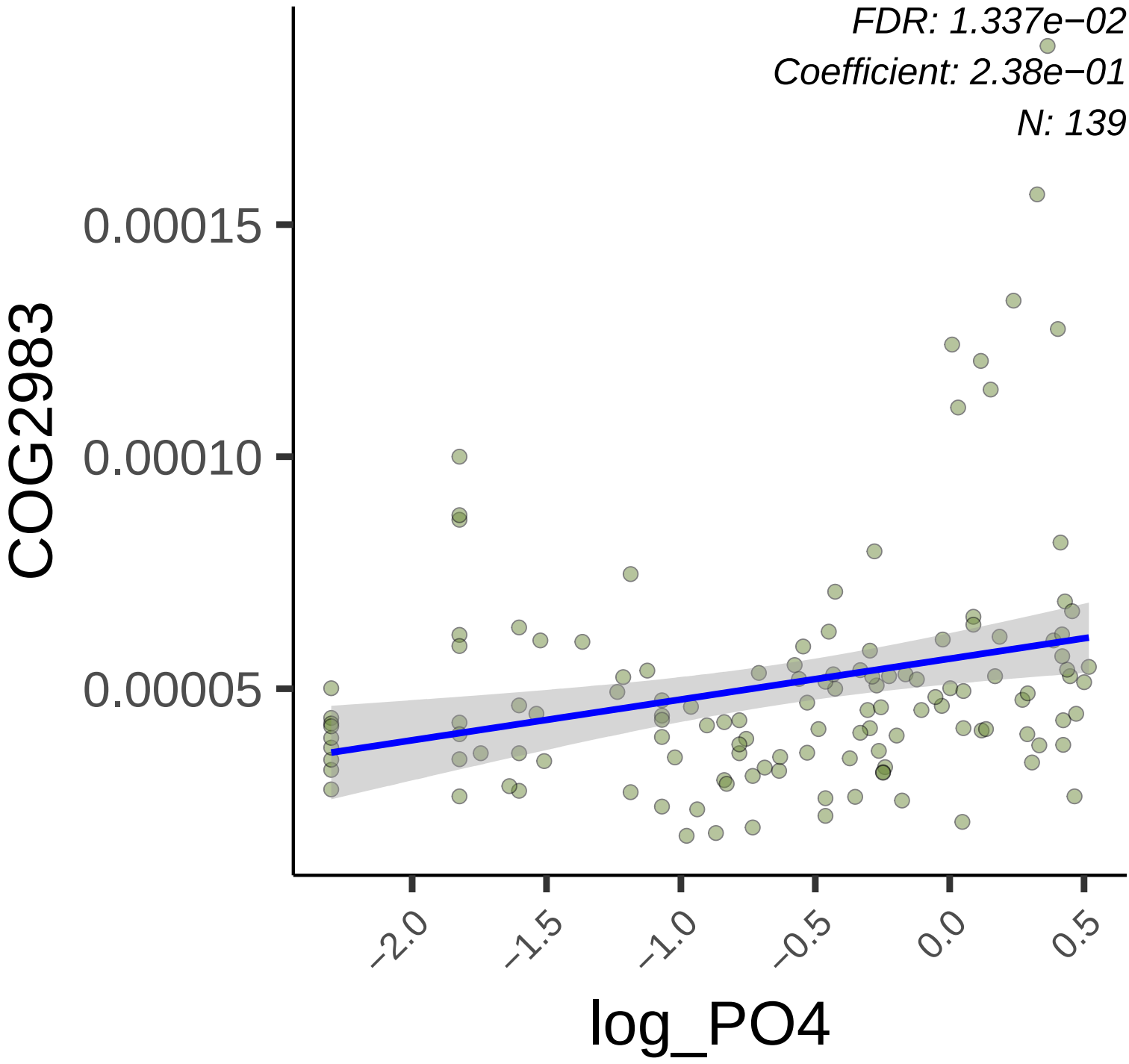
log_PO4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Coefficient: 2.38e−01
N: 139
COG2983
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−2.0
−1.5
−1.0
−0.5
0.0
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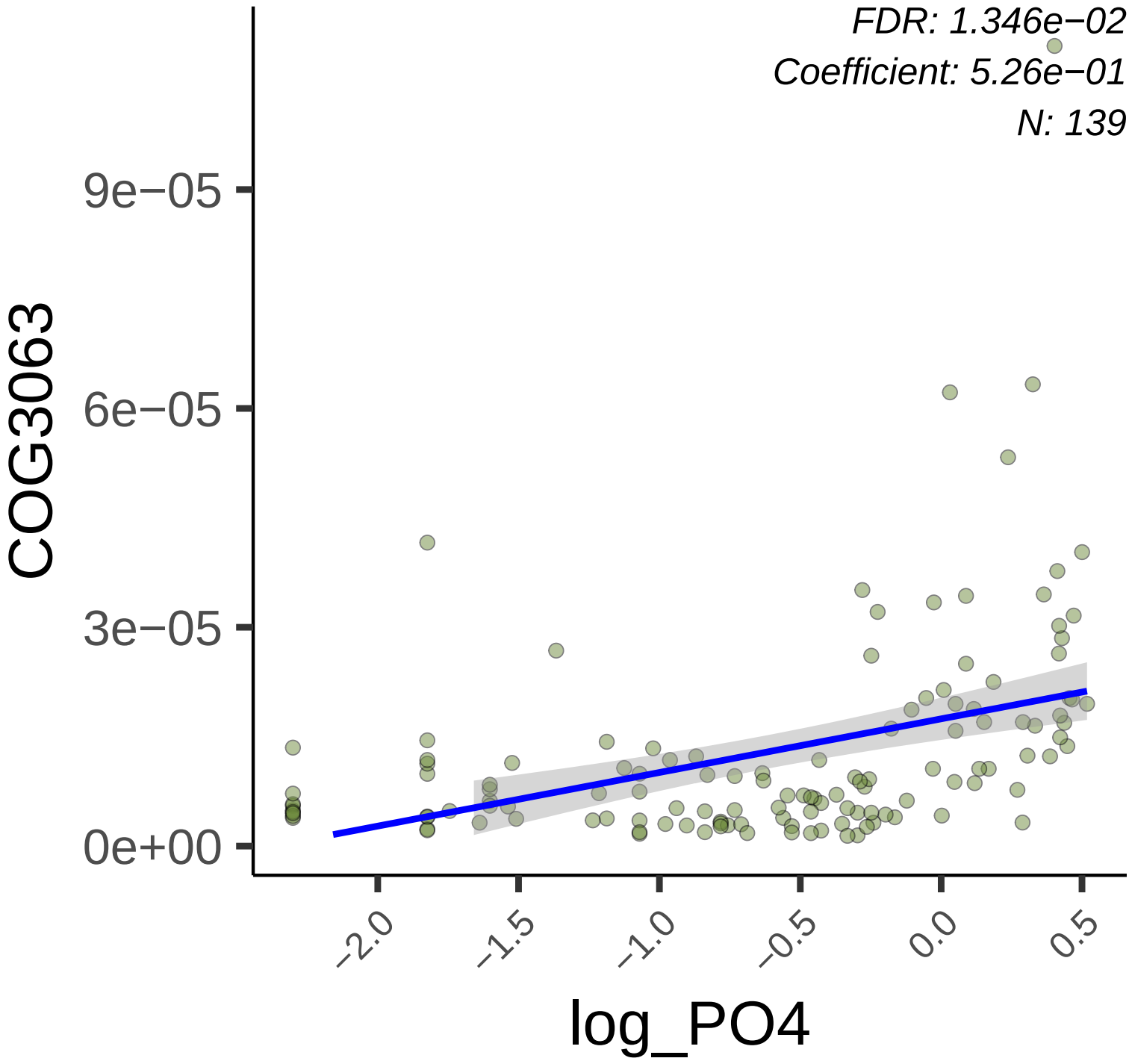
log_PO4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Coefficient: 5.26e−01
N: 139
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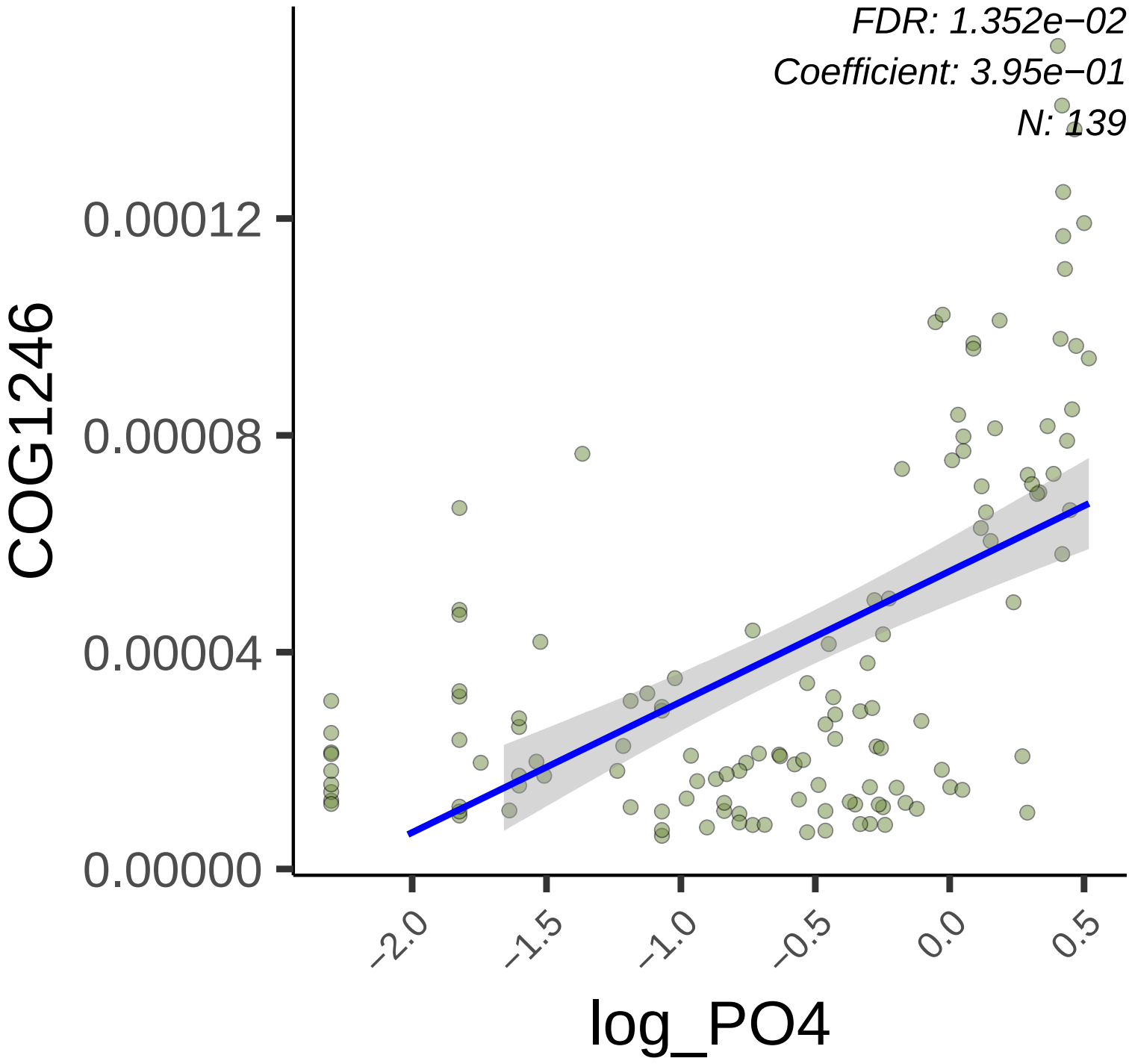
log_PO4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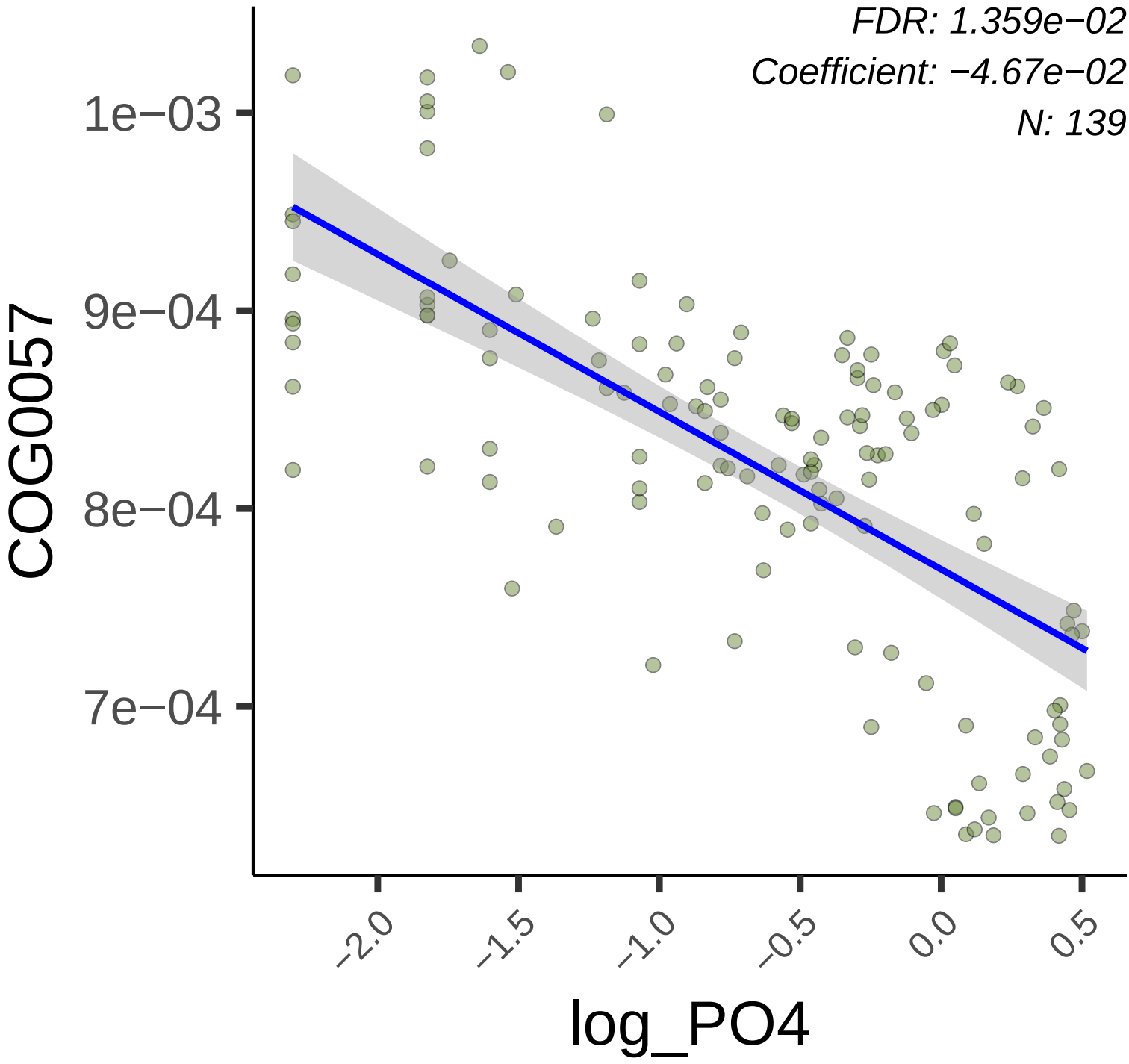
log_PO4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Coefficient: −4.67e−02
N: 139
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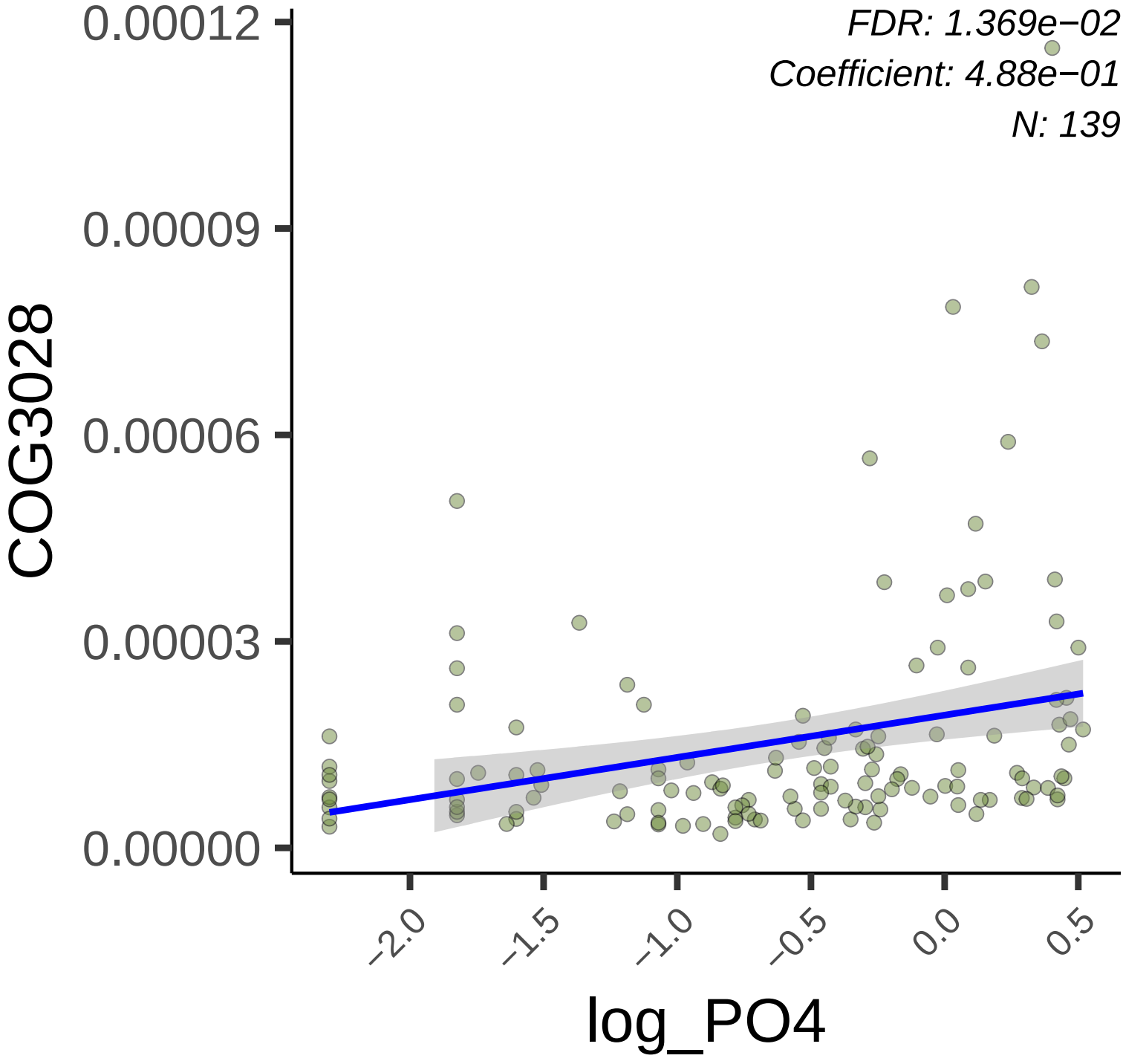
log_PO4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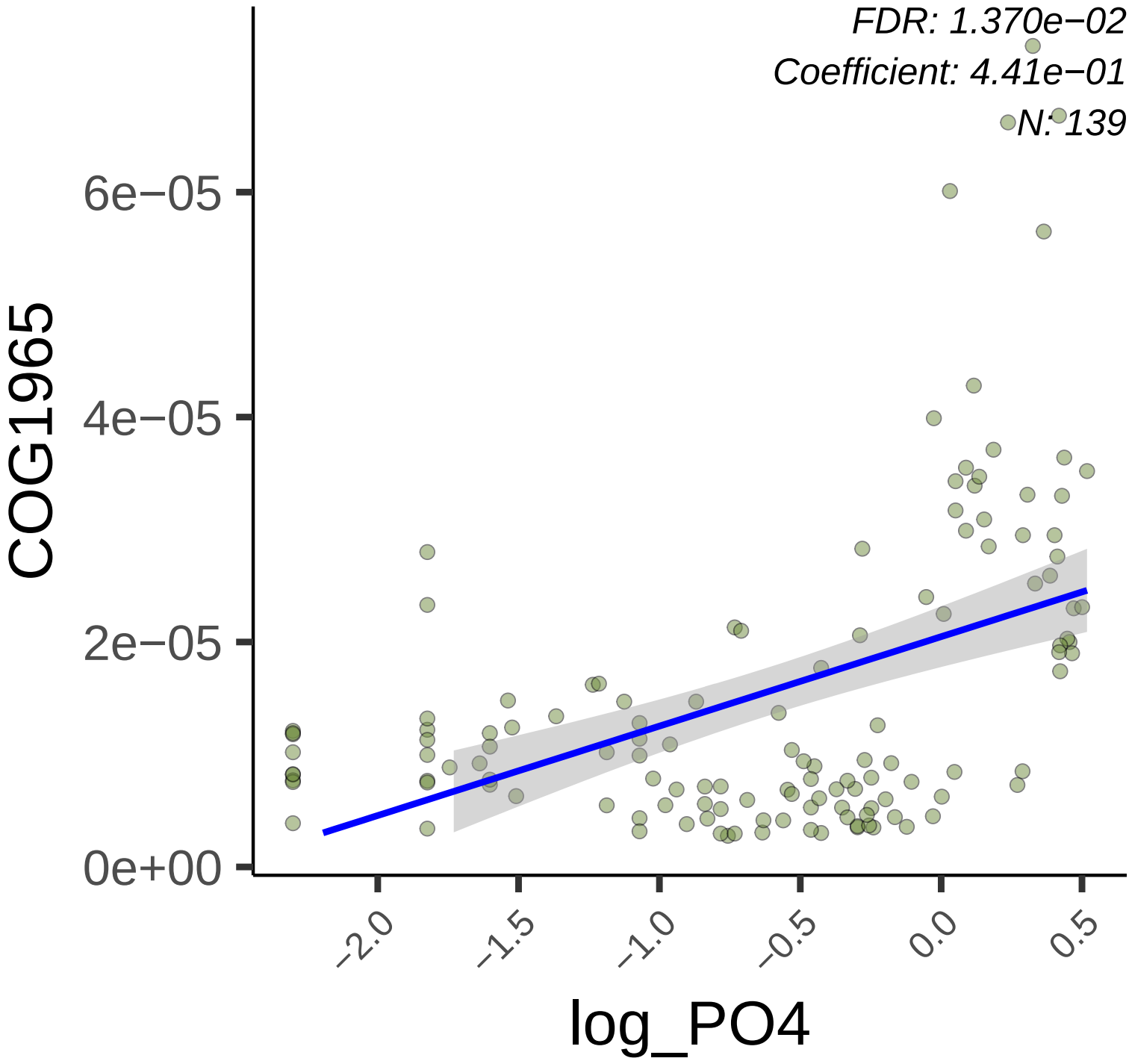
log_PO4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Coefficient: 4.41e−01
N: 139
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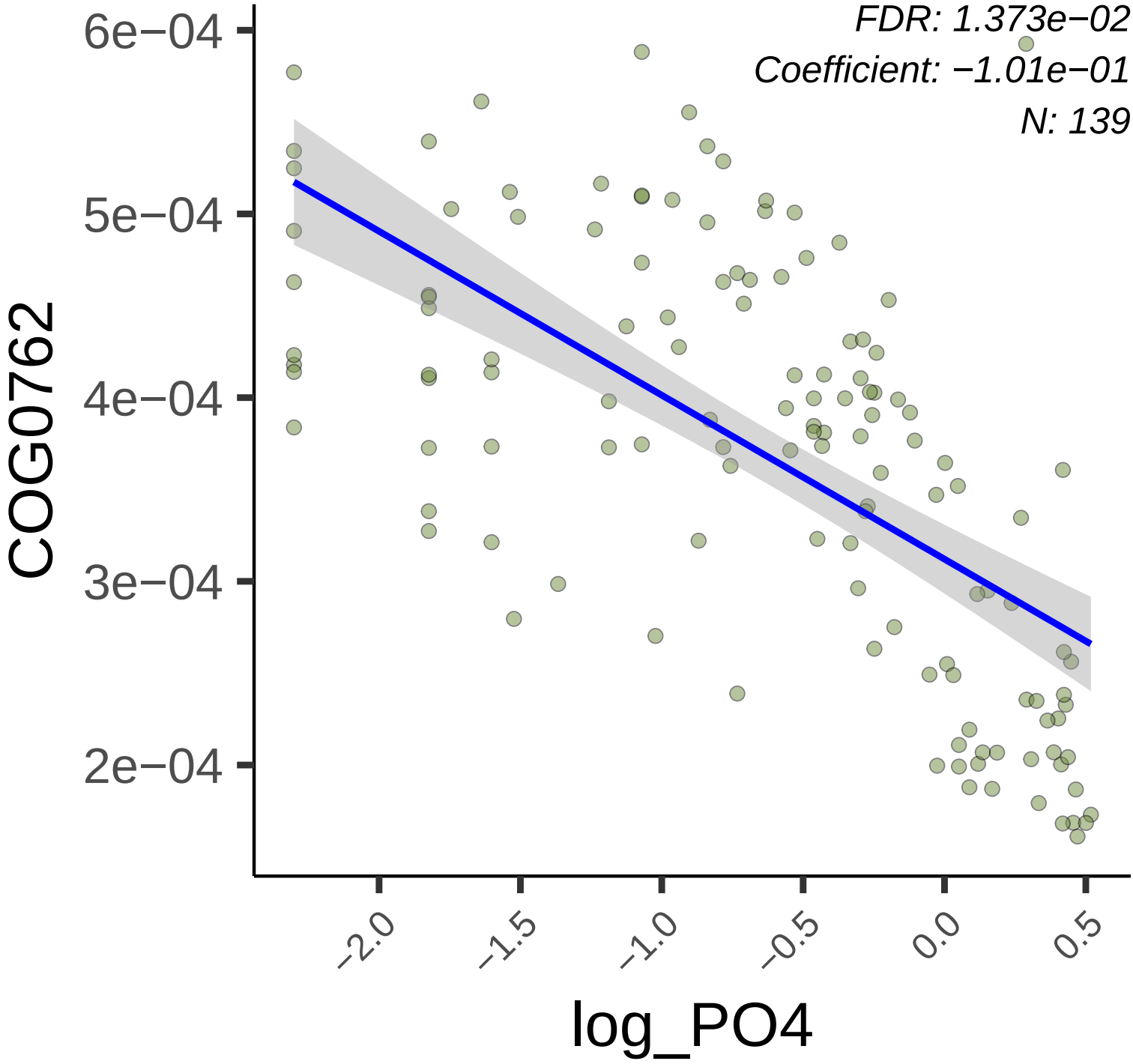
log_PO4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Coefficient: −1.01e−01
N: 139
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COG0762
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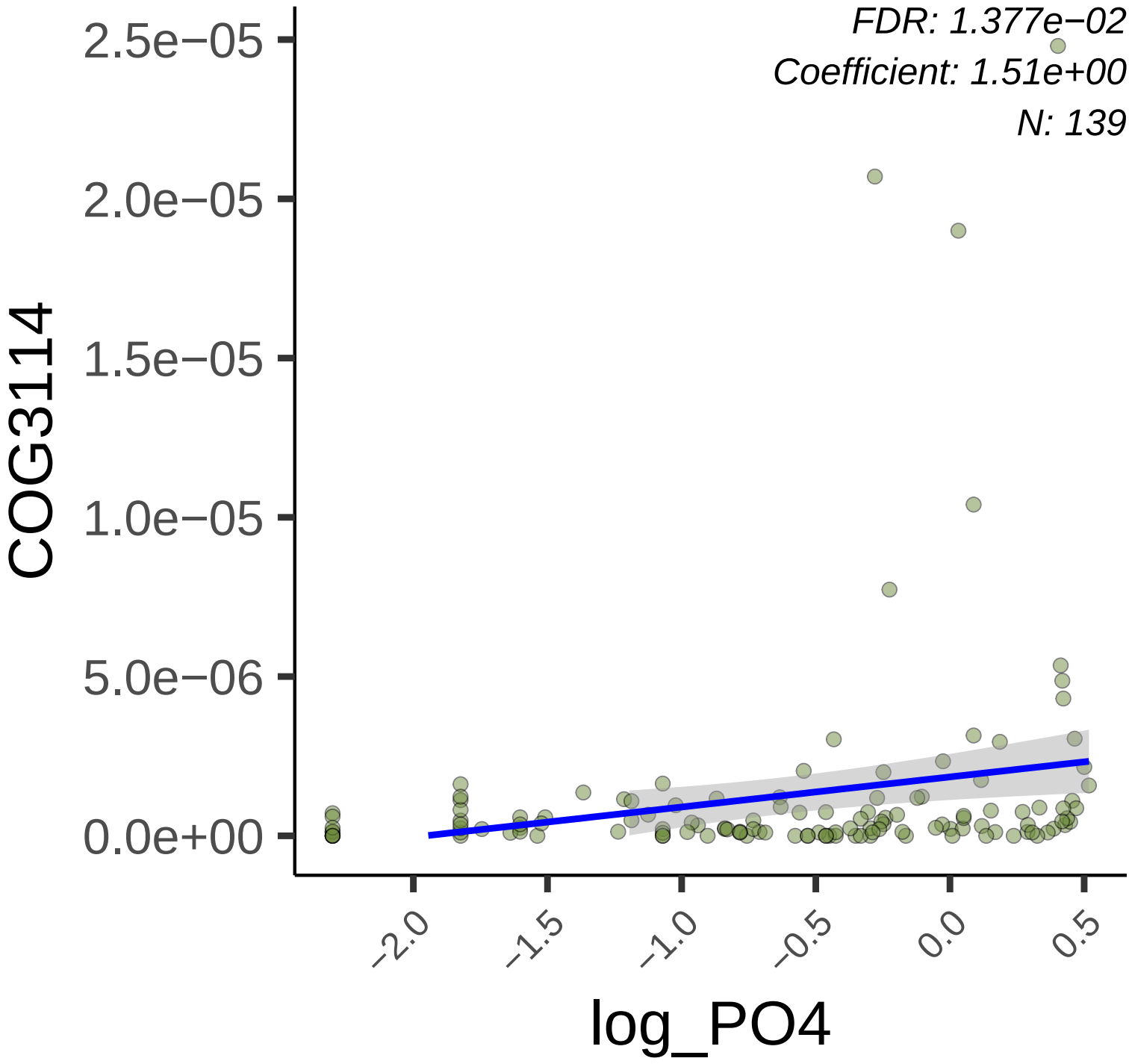
log_PO4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Coefficient: 1.51e+00
N: 139
COG3114
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1.5e−05
1.0e−05
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0.0e+00
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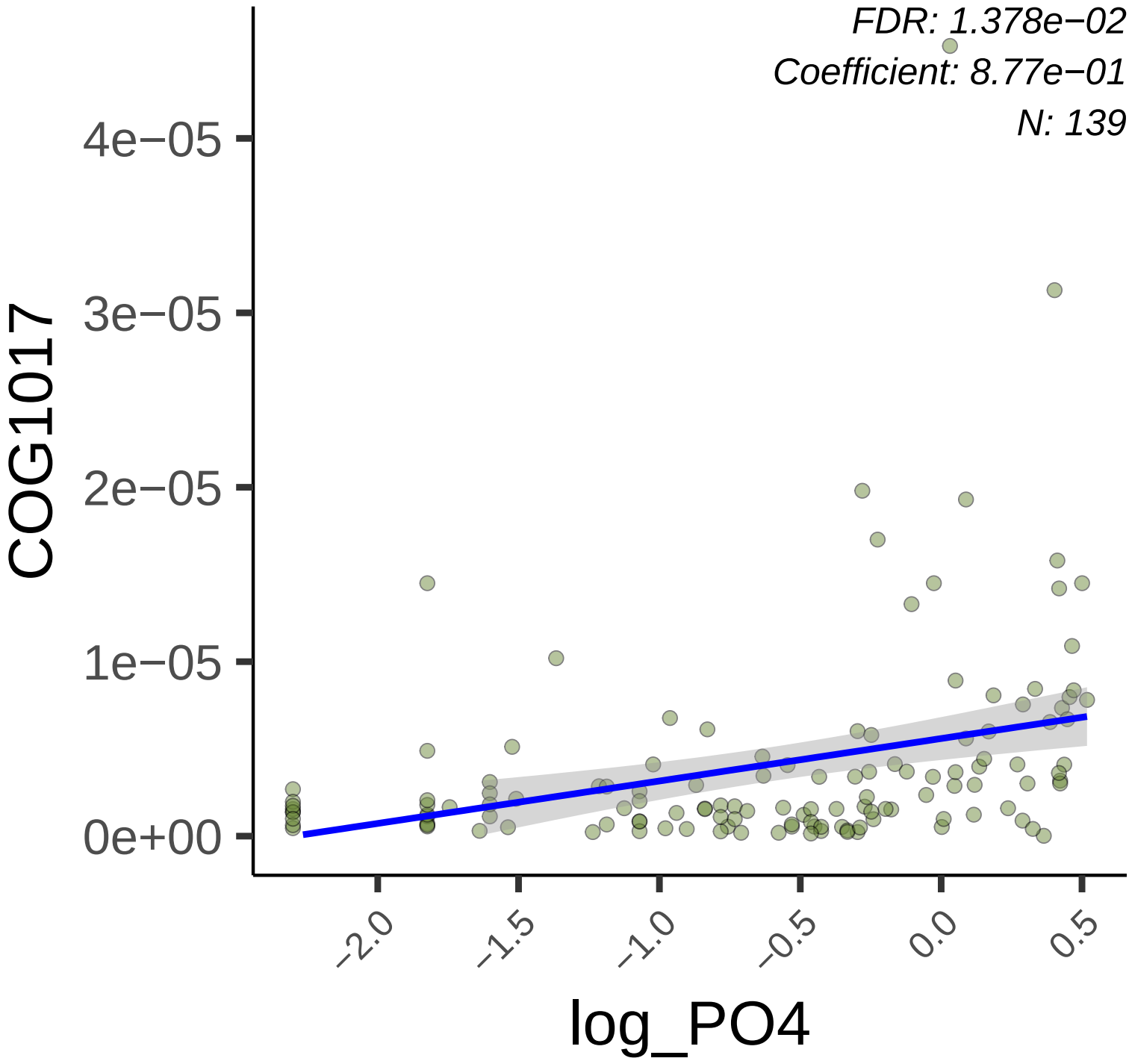
log_PO4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Coefficient: 8.77e−01
N: 139
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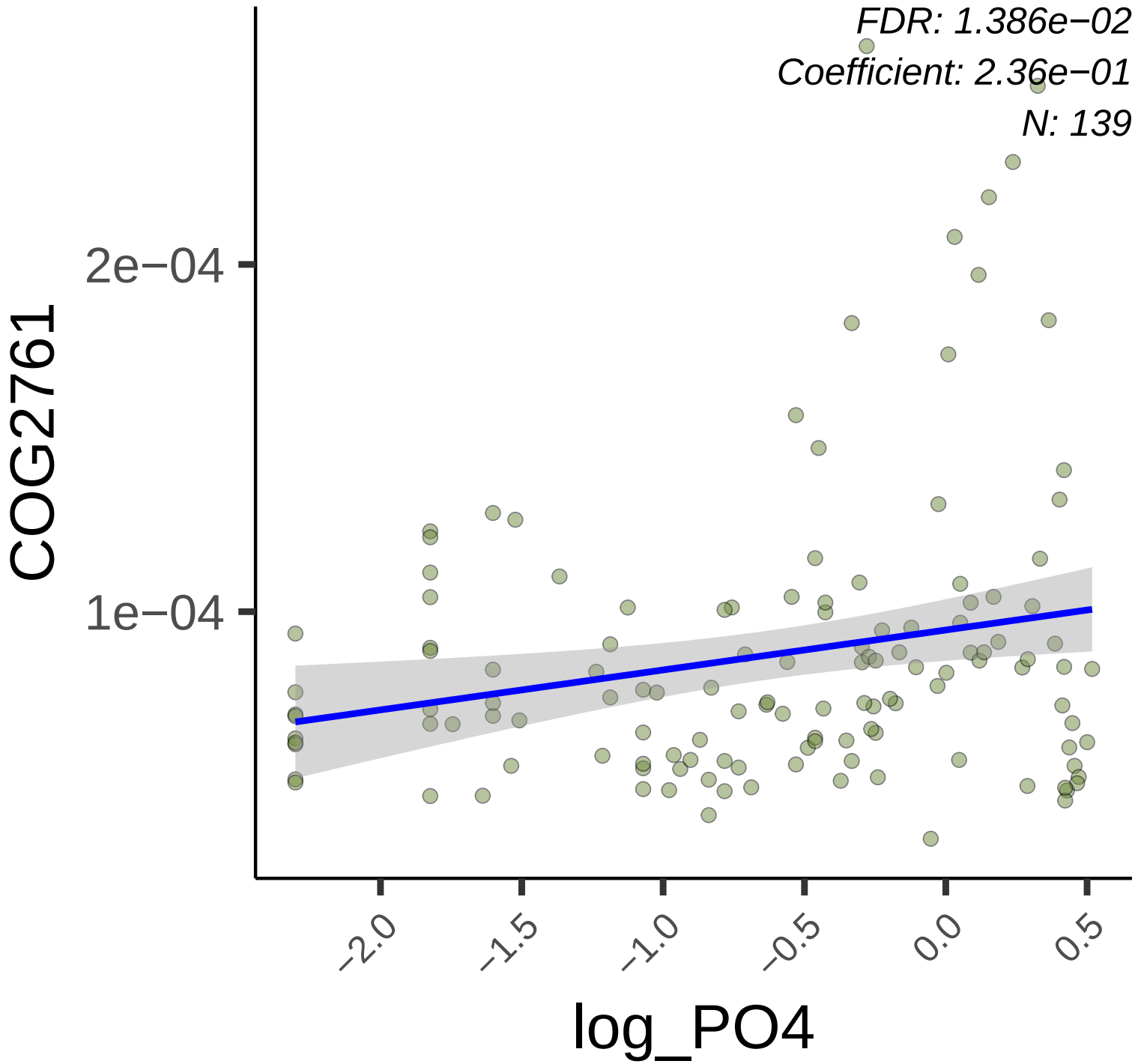
log_PO4


FDR: 1.386e−02
Coefficient: 2.36e−01
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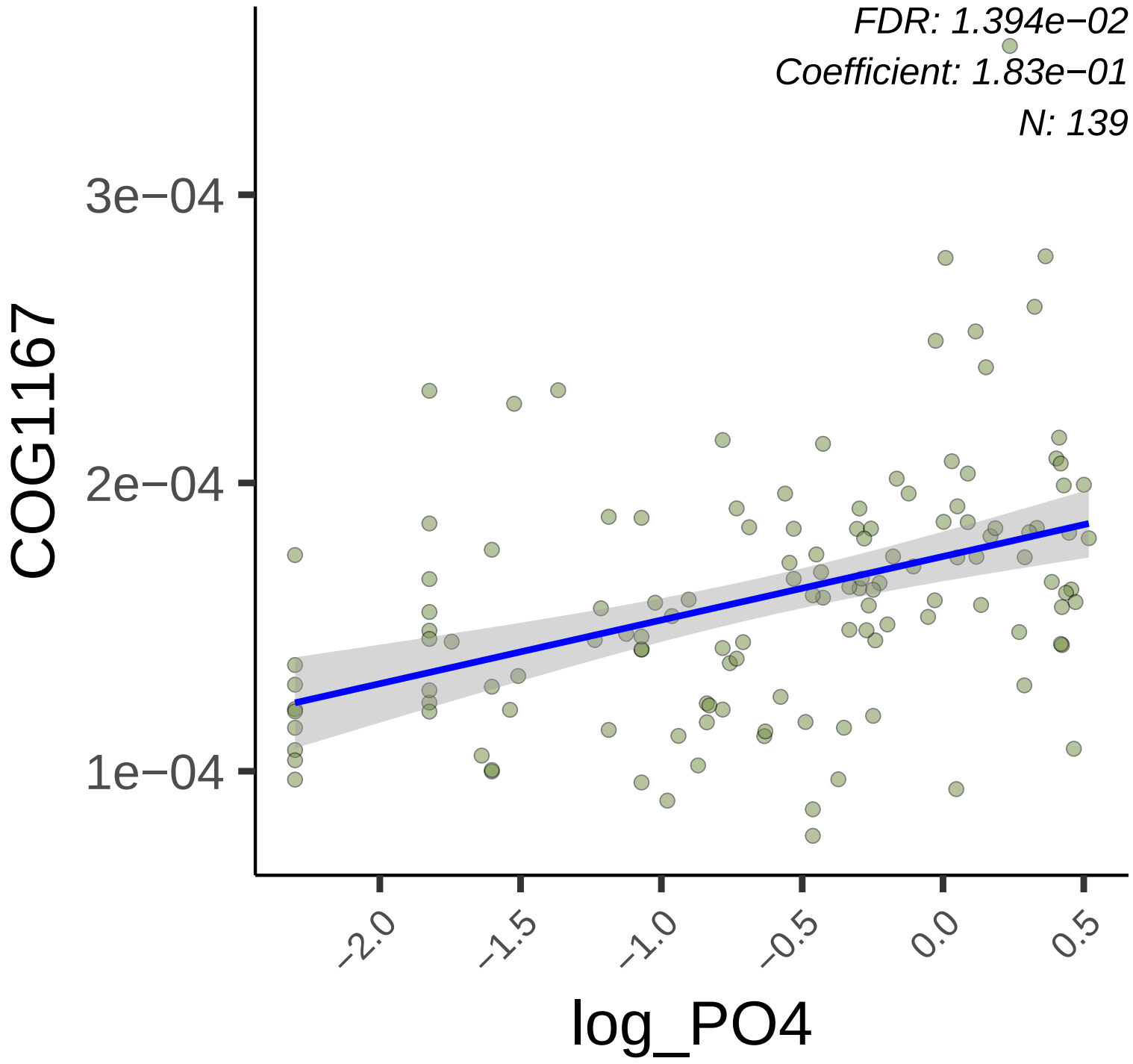
log_PO4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Coefficient: 1.83e−01
N: 139
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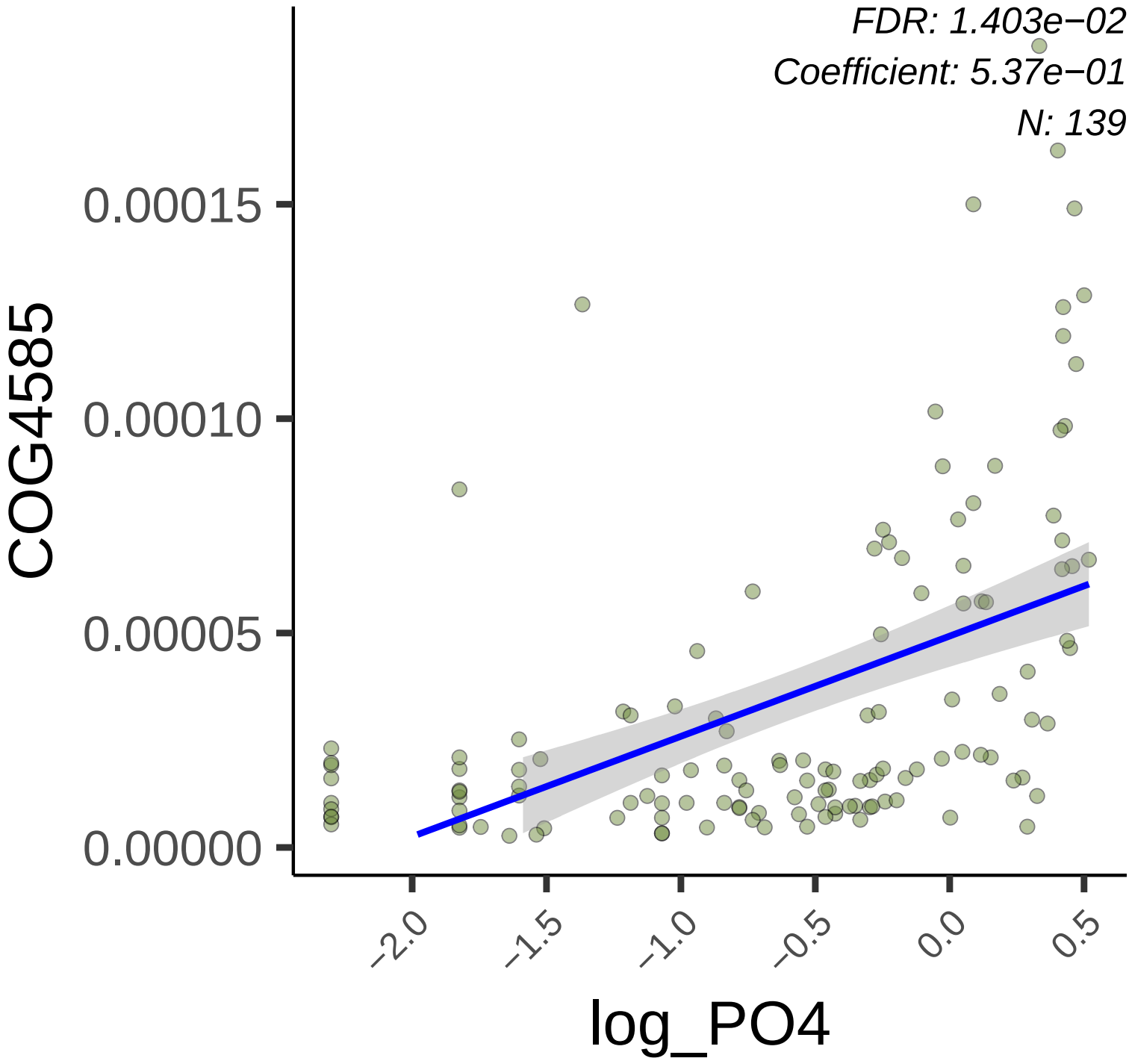
log_PO4


FDR: 1.403e−02
Coefficient: 5.37e−01
N: 139
COG4585
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0.00000
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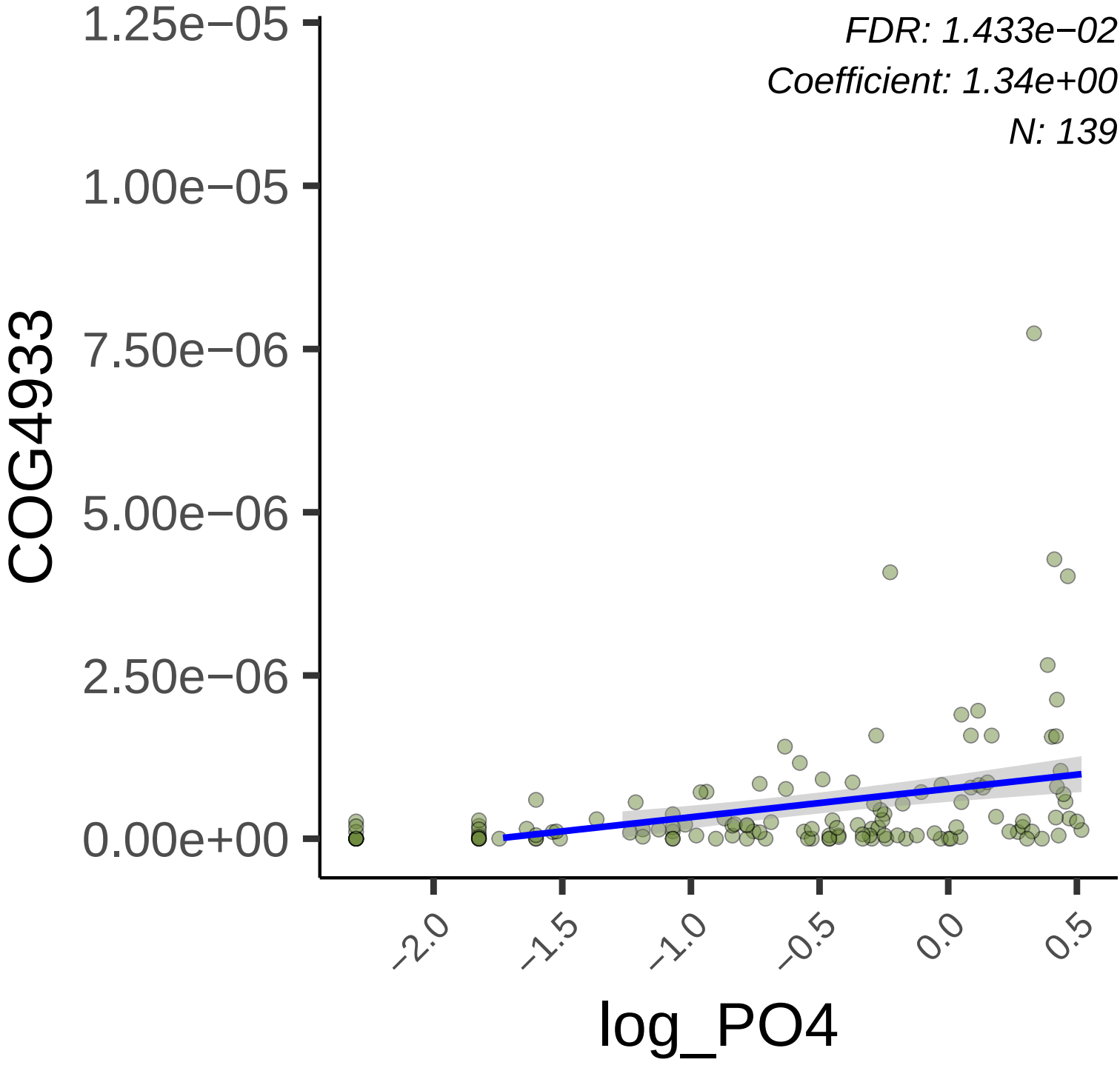
log_PO4


FDR: 1.433e−02
Coefficient: 1.34e+00
N: 139
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1.00e−05
7.50e−06
5.00e−06
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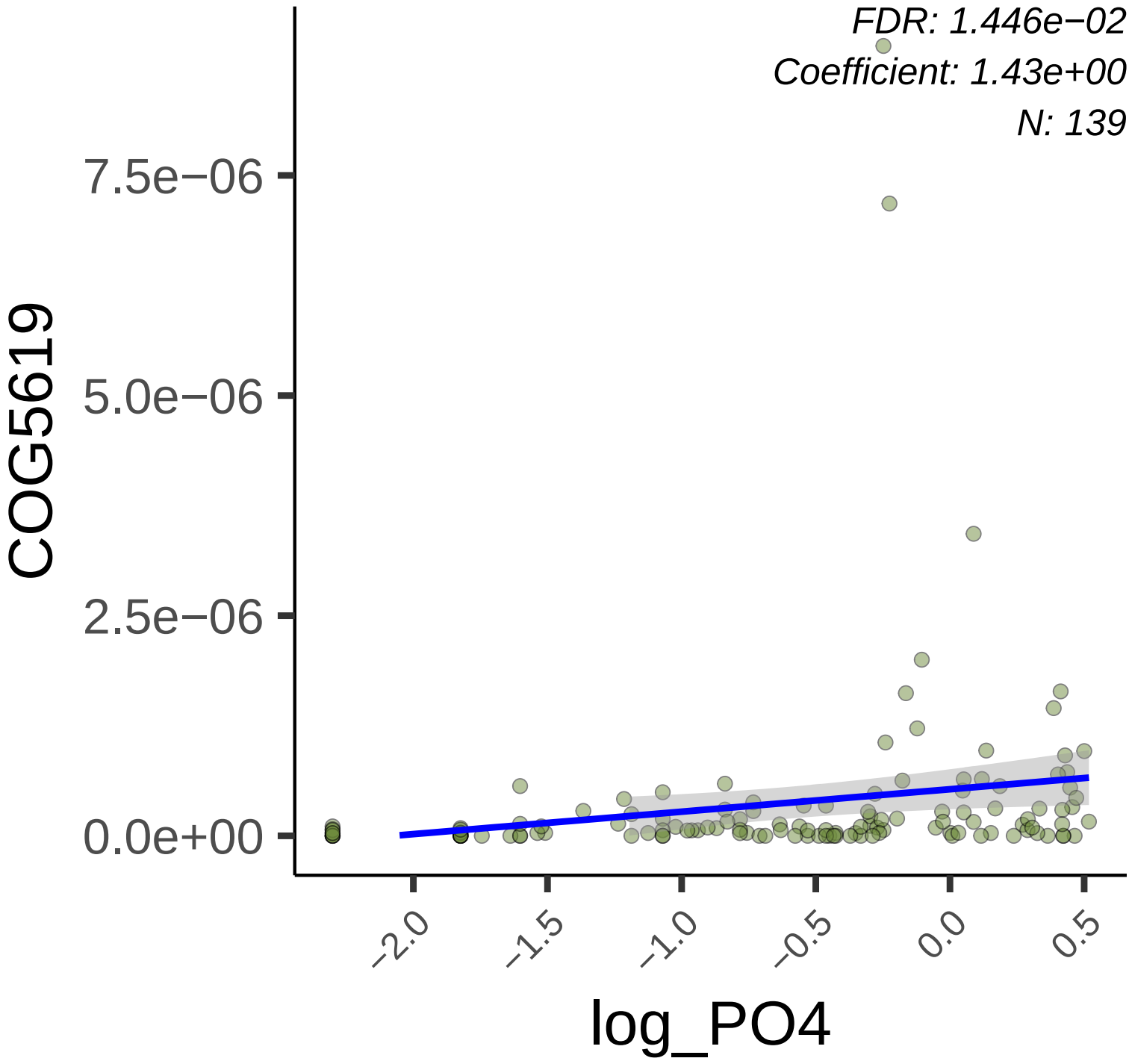
log_PO4


FDR: 1.446e−02
Coefficient: 1.43e+00
N: 139
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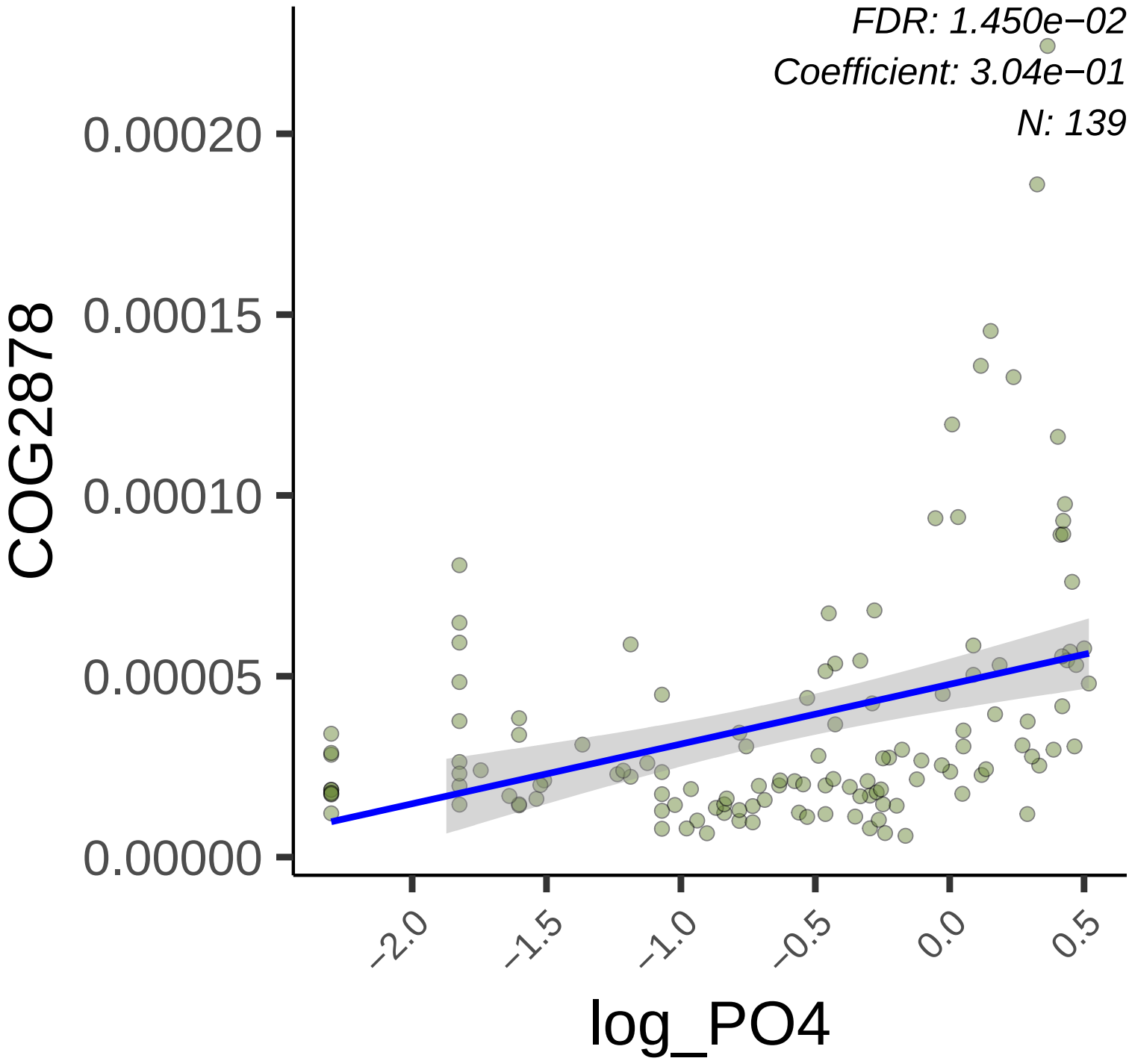
log_PO4


FDR: 1.450e−02
Coefficient: 3.04e−01
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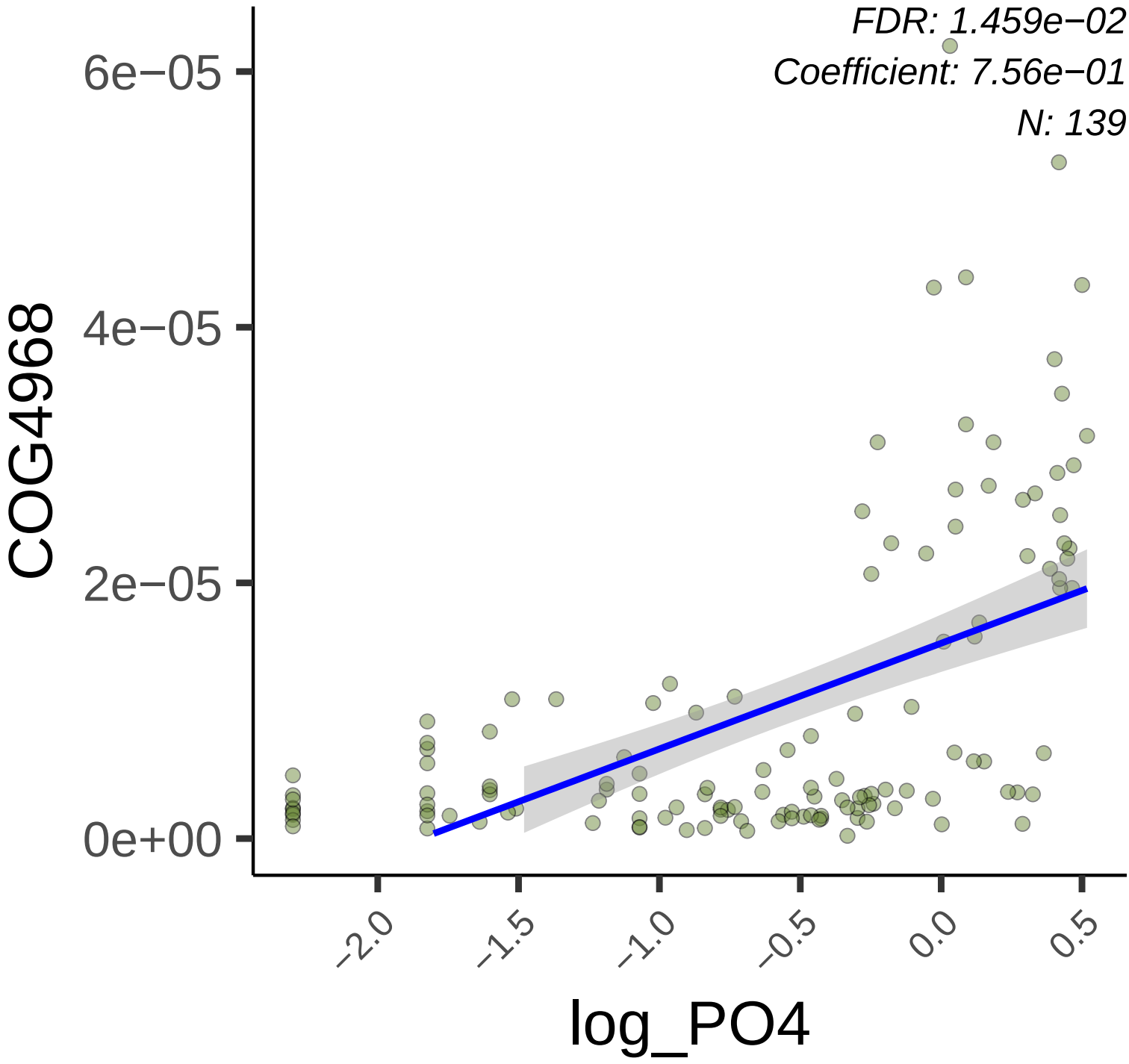
log_PO4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Coefficient: 7.56e−01
N: 139
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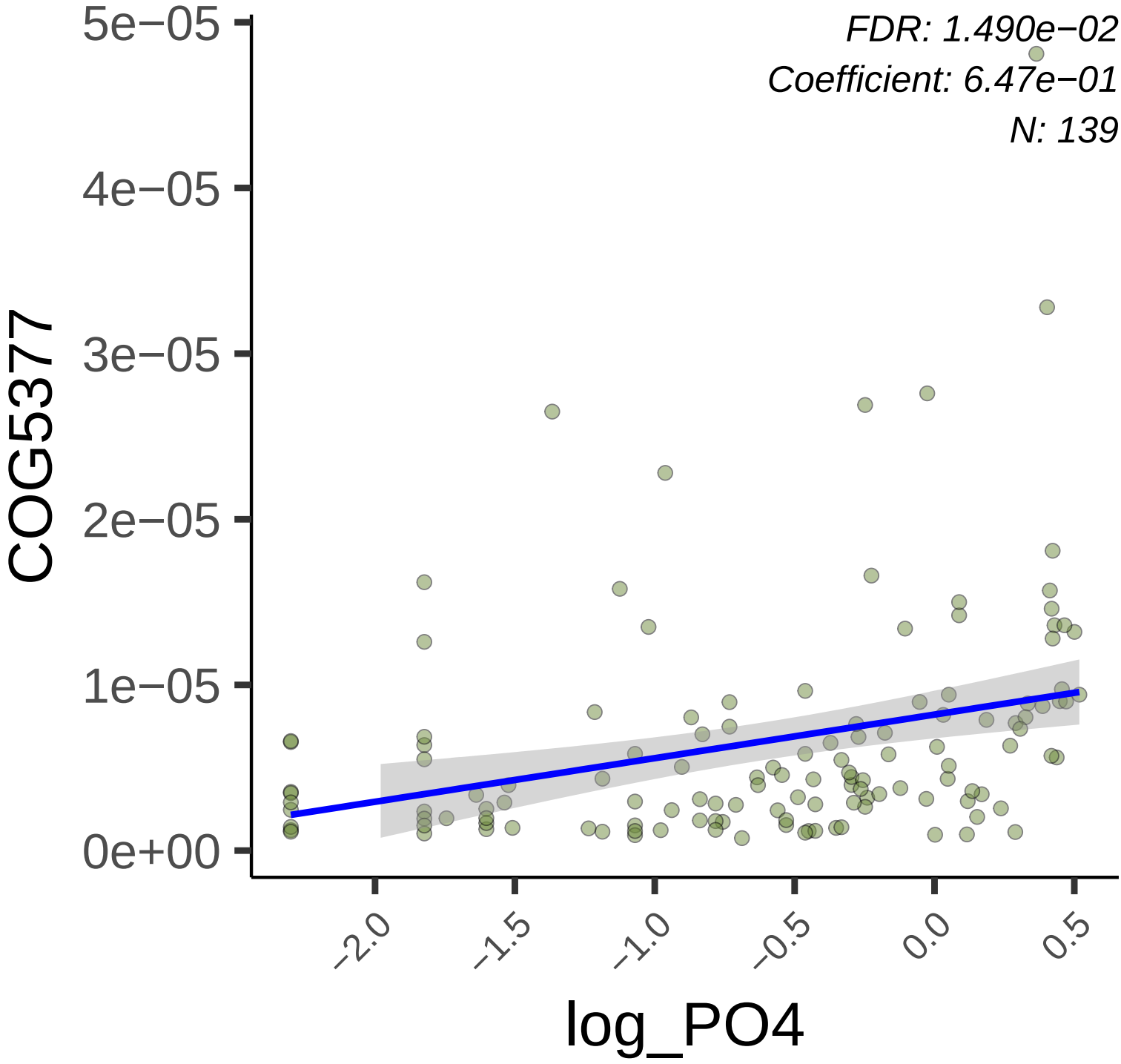
log_PO4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Coefficient: 6.47e−01
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3e−05
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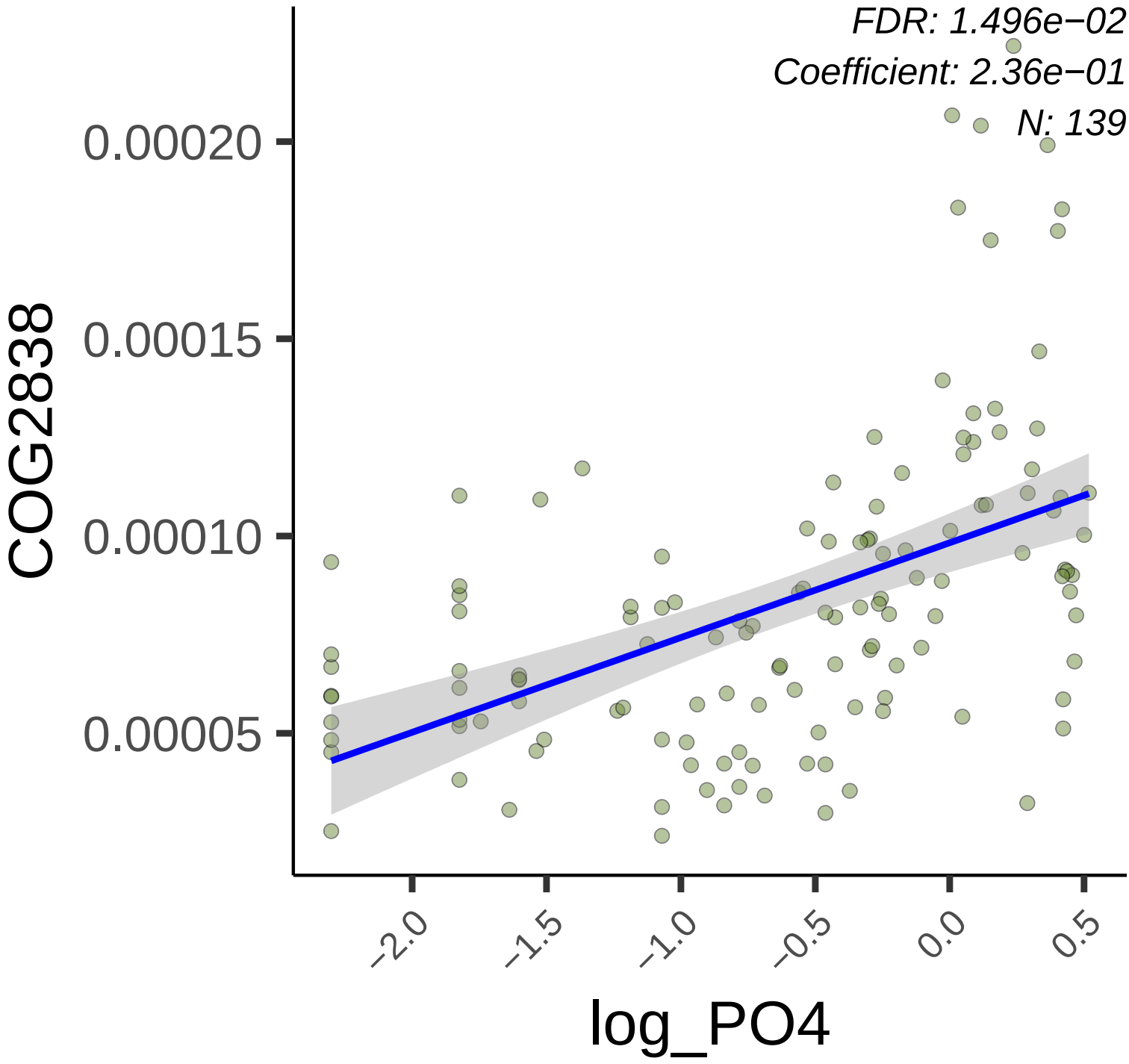
log_PO4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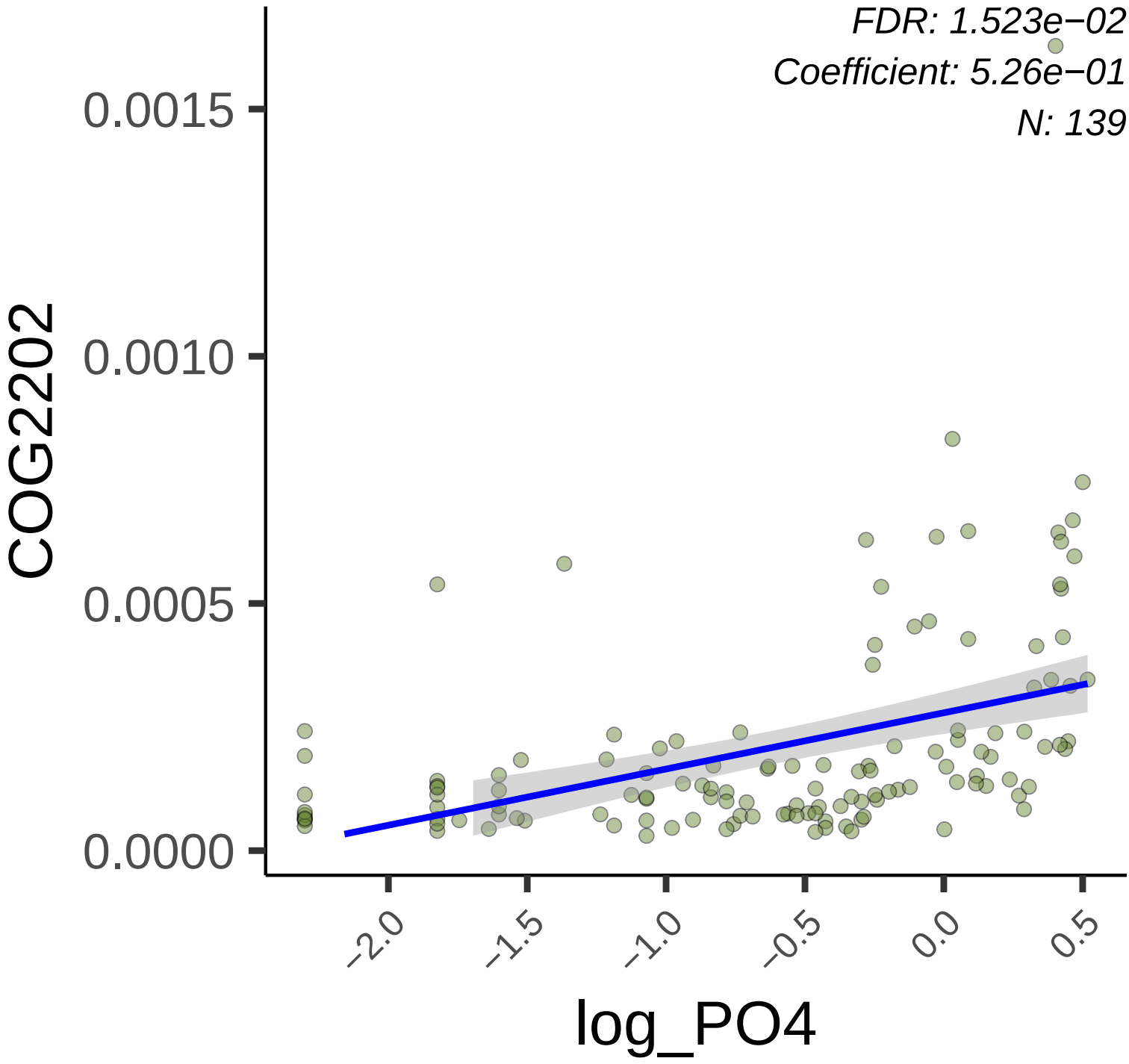
log_PO4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Coefficient: 5.26e−01
N: 139
COG2202
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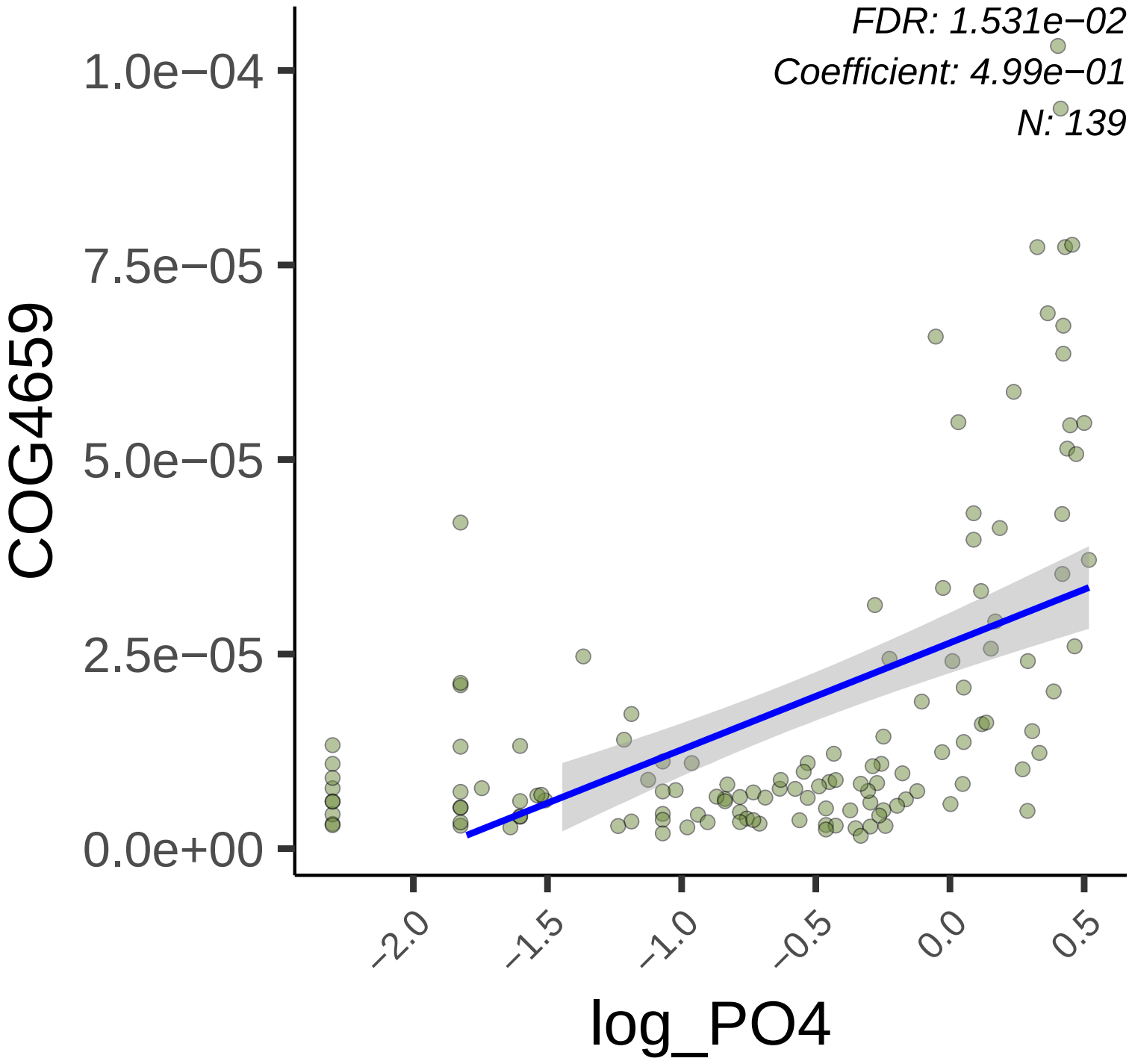
log_PO4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Coefficient: 4.99e−01
N: 139
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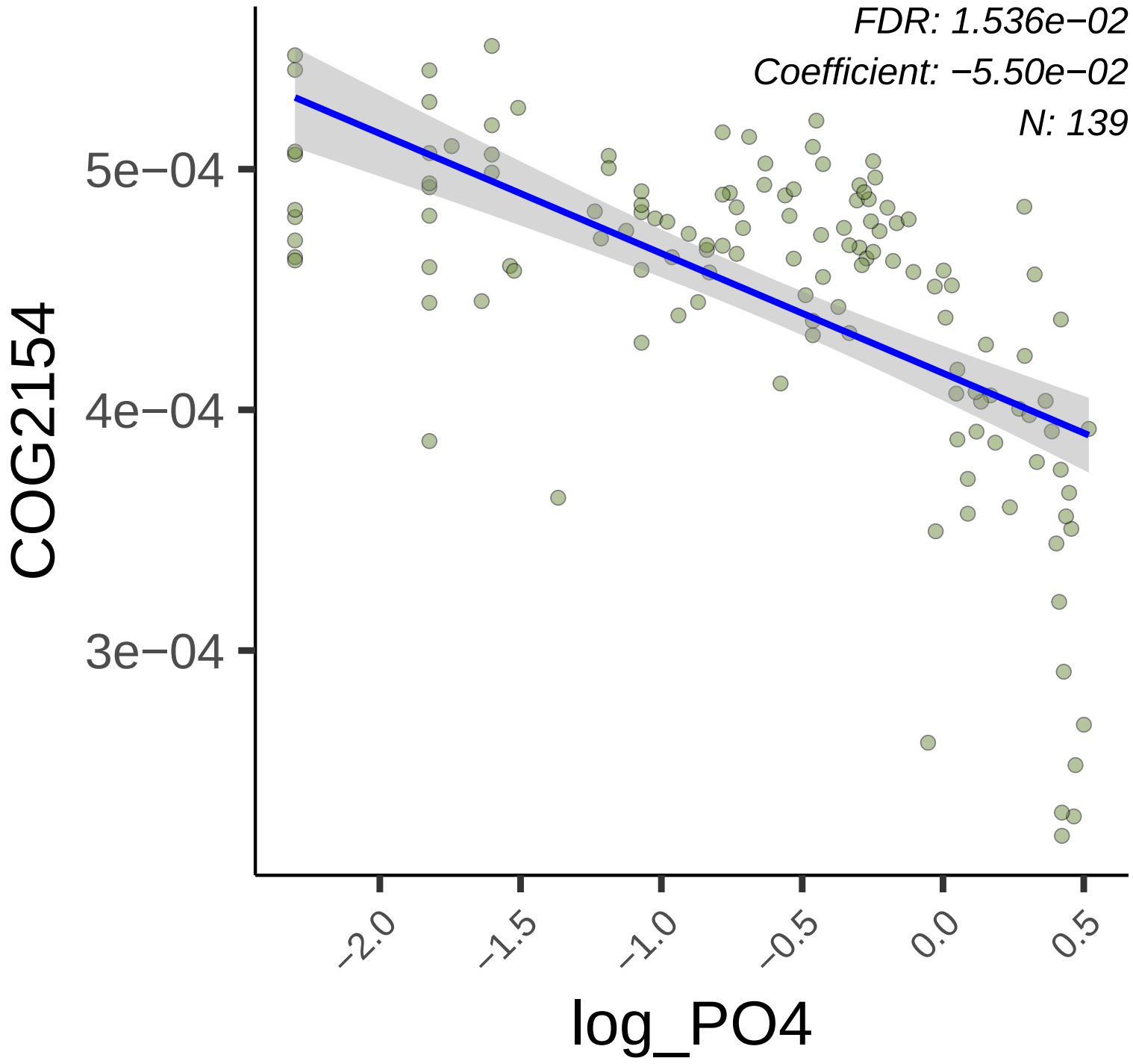
log_PO4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Coefficient: −5.50e−02
N: 139
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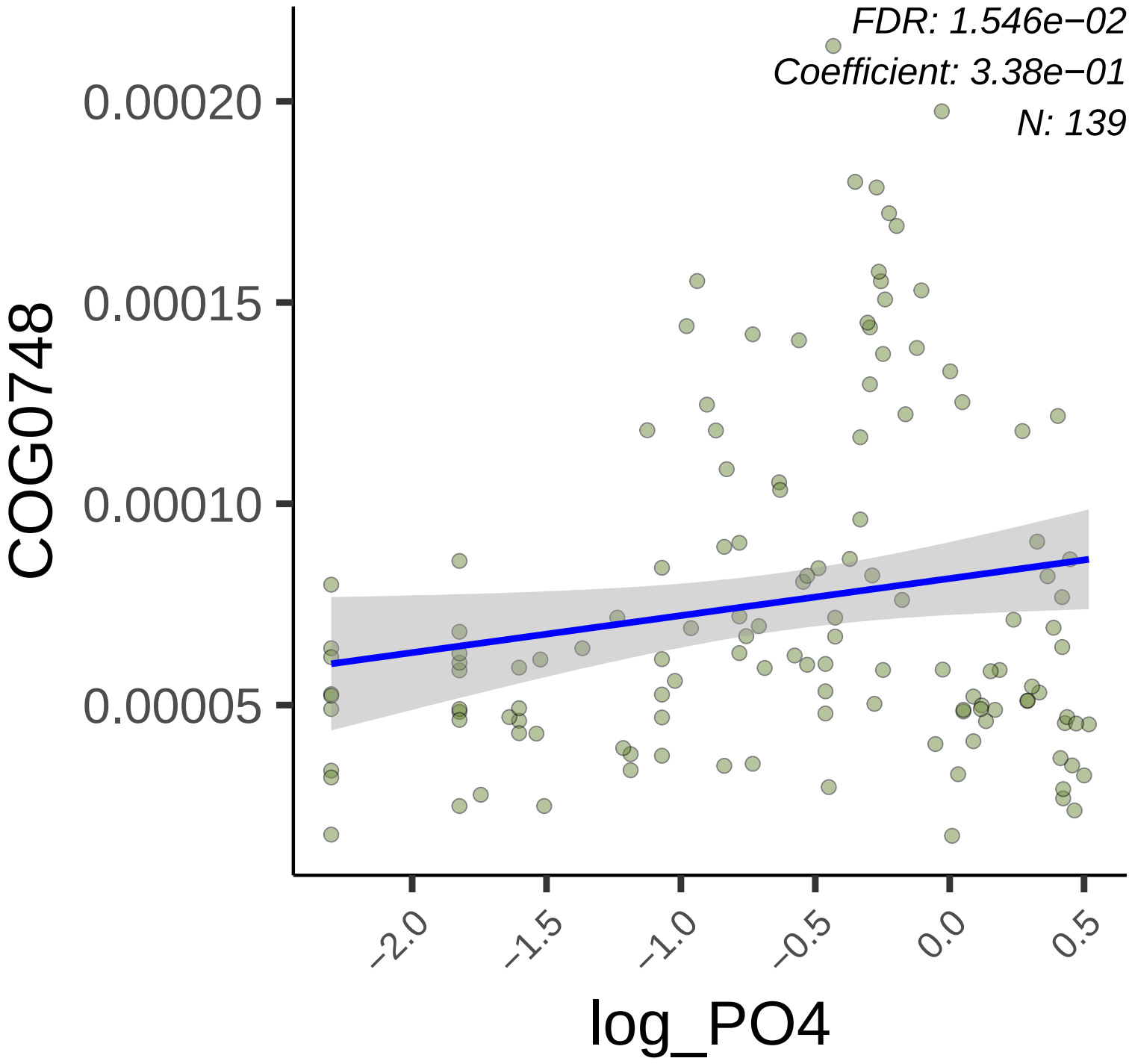
log_PO4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Coefficient: 3.38e−01
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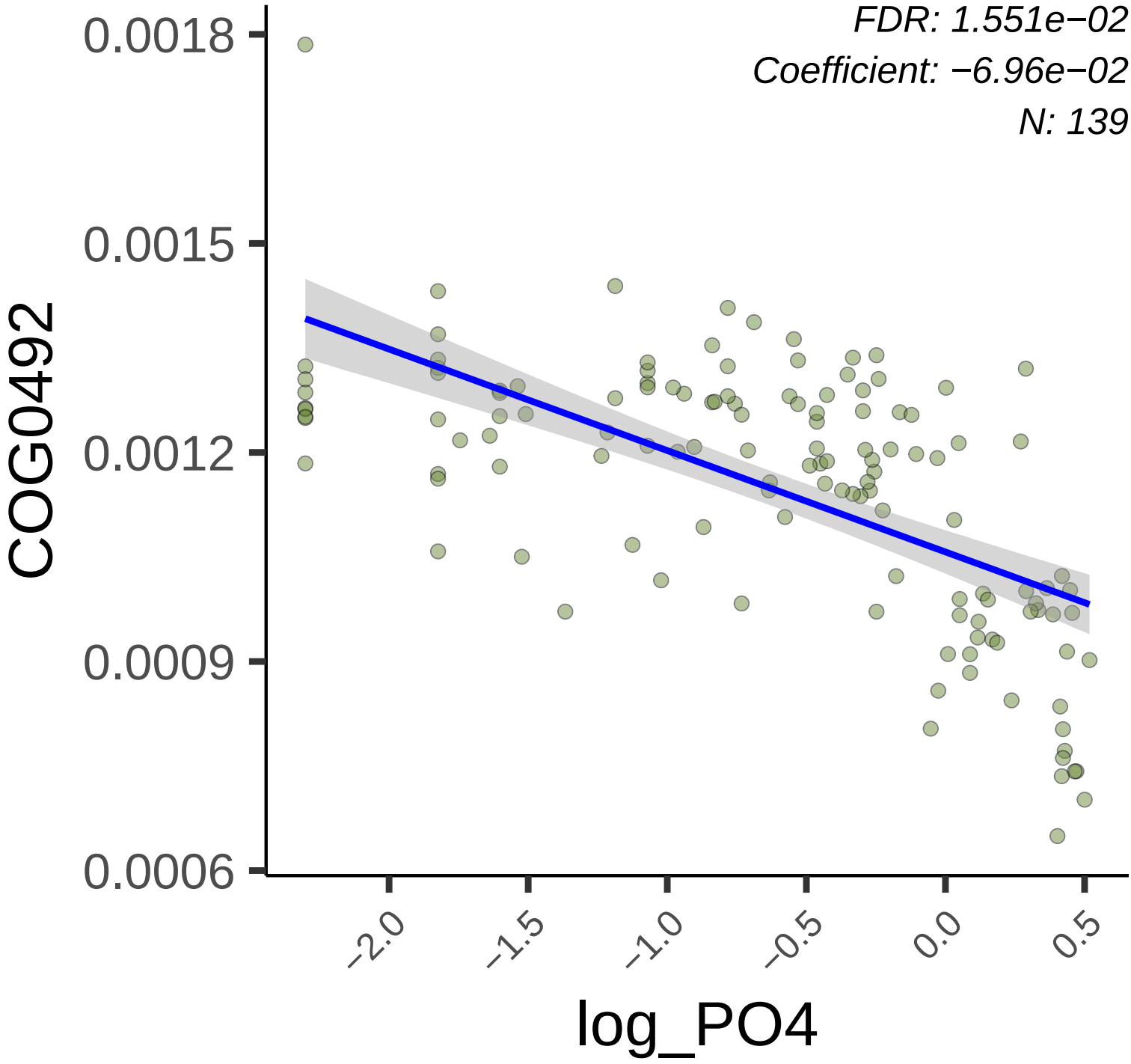
log_PO4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Coefficient: −6.96e−02
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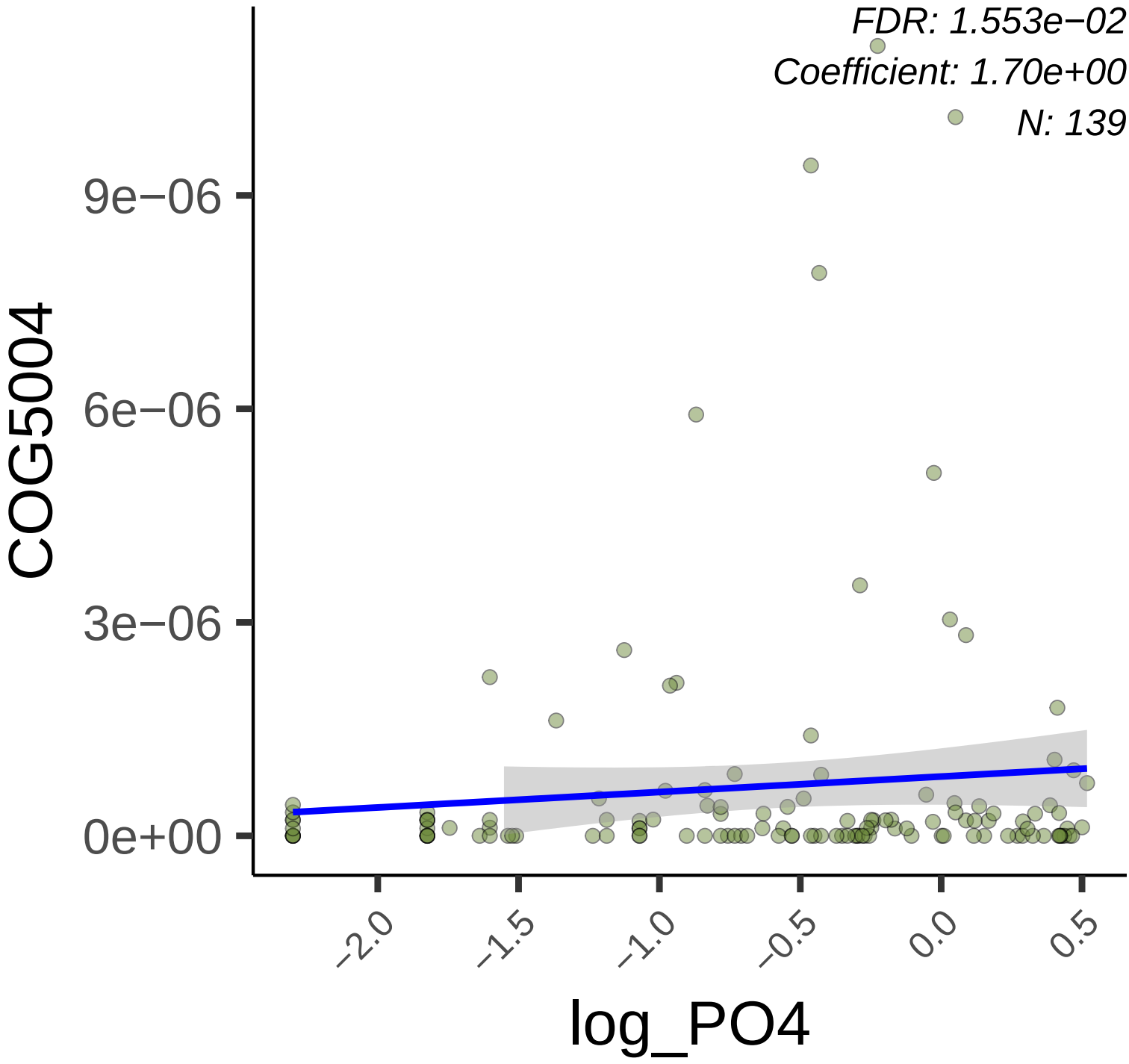
log_PO4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Coefficient: 1.70e+00
N: 139
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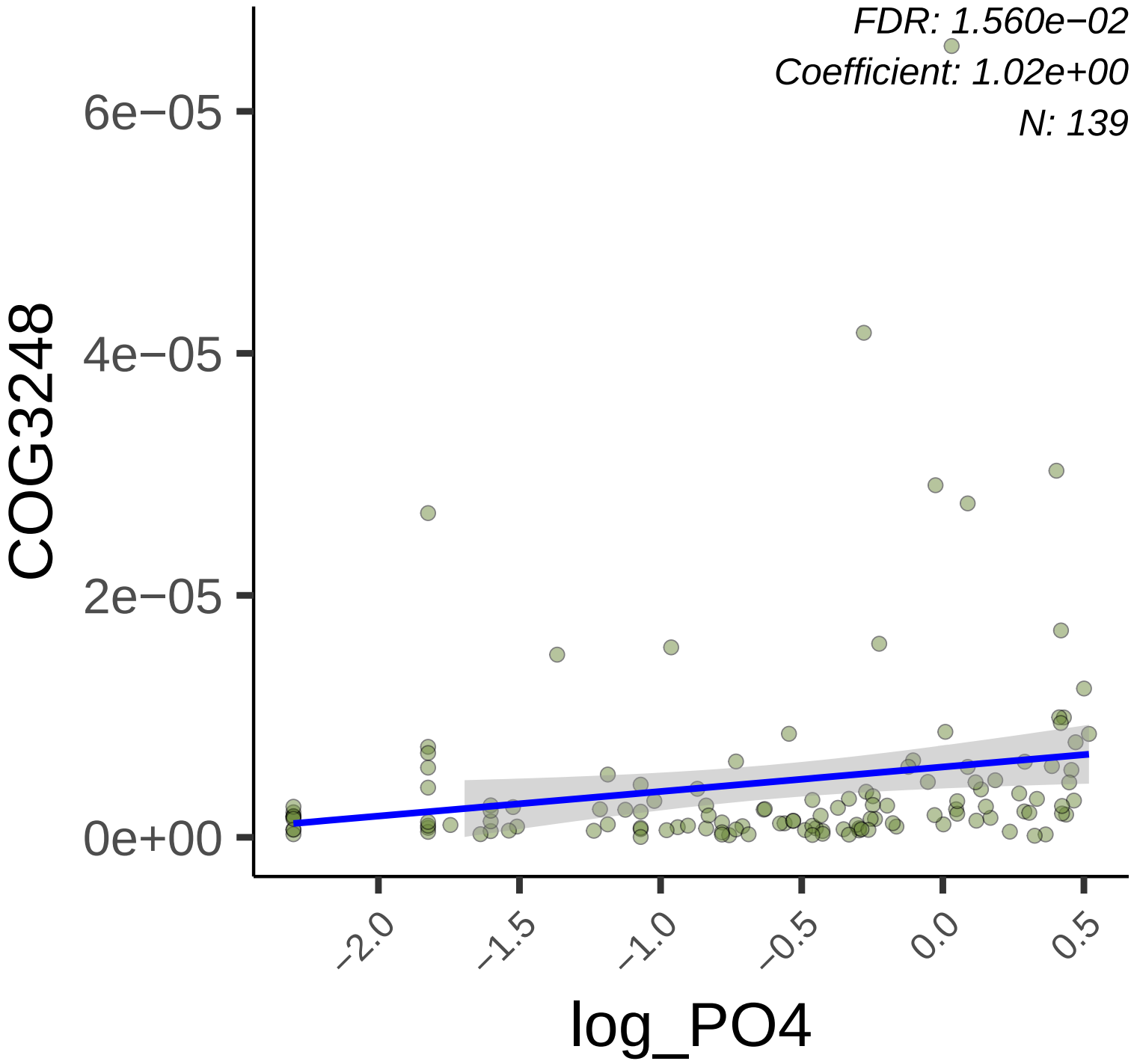
log_PO4


FDR: 1.560e−02
Coefficient: 1.02e+00
N: 139
COG3248
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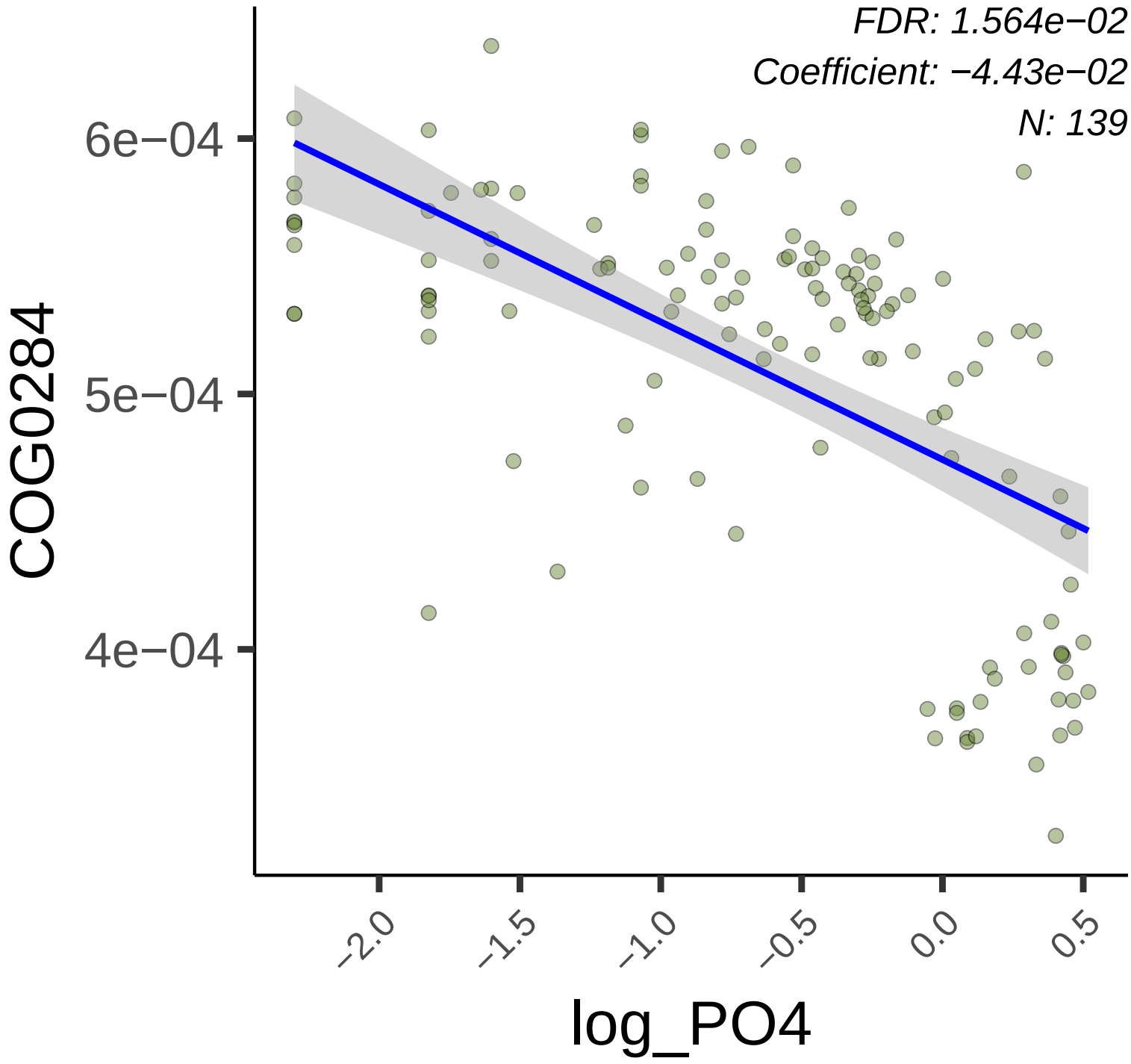
log_PO4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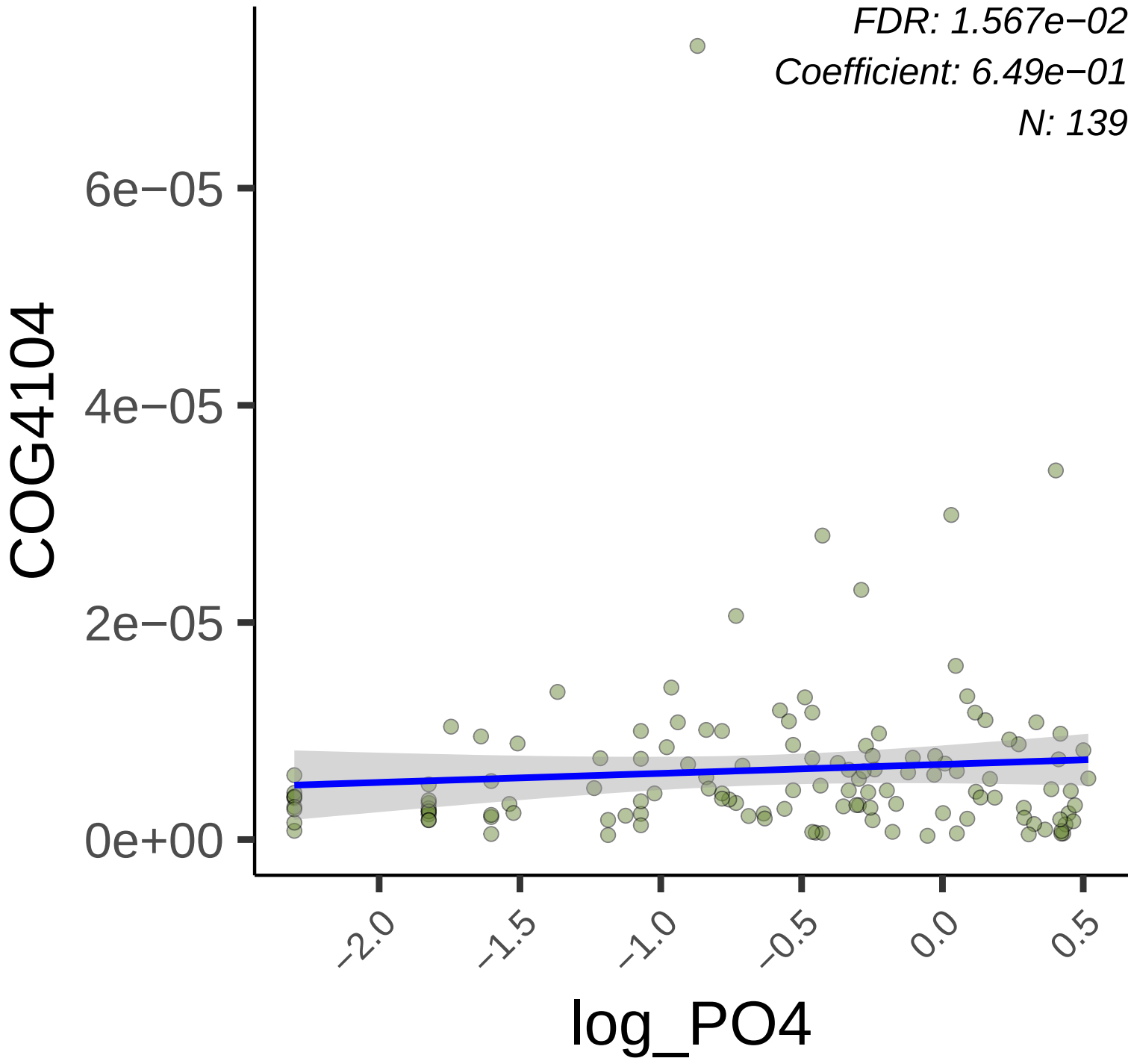
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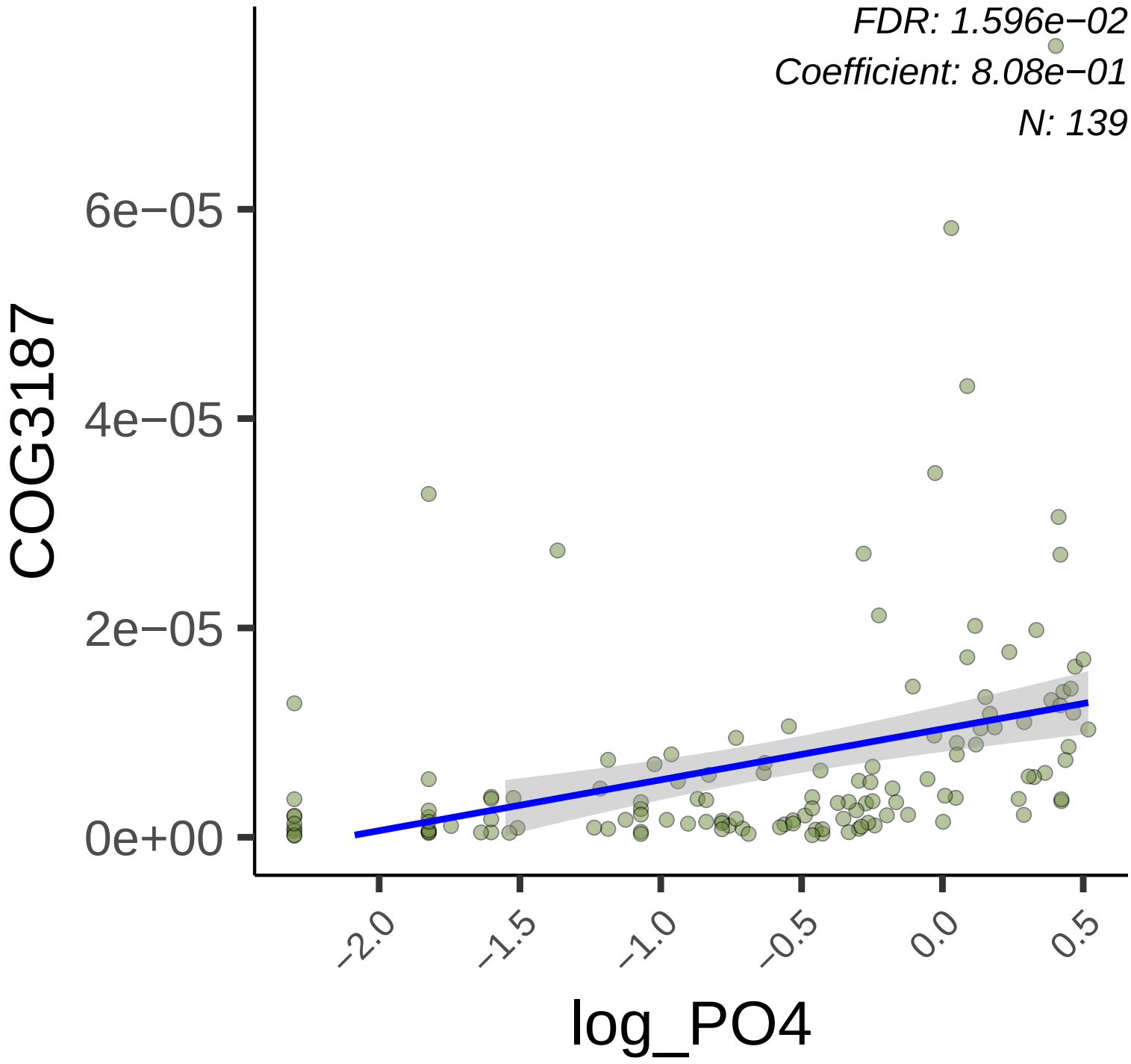
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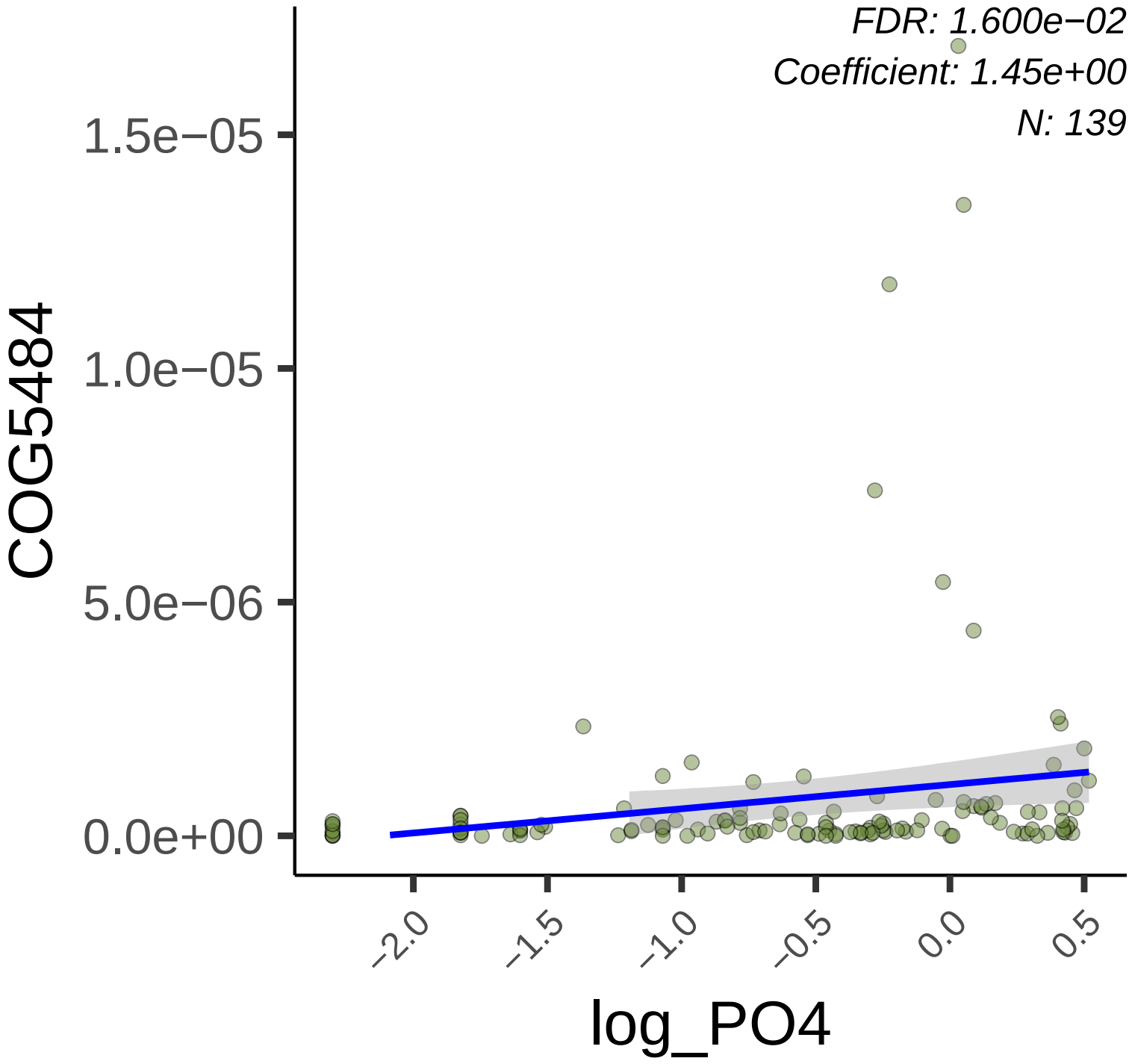
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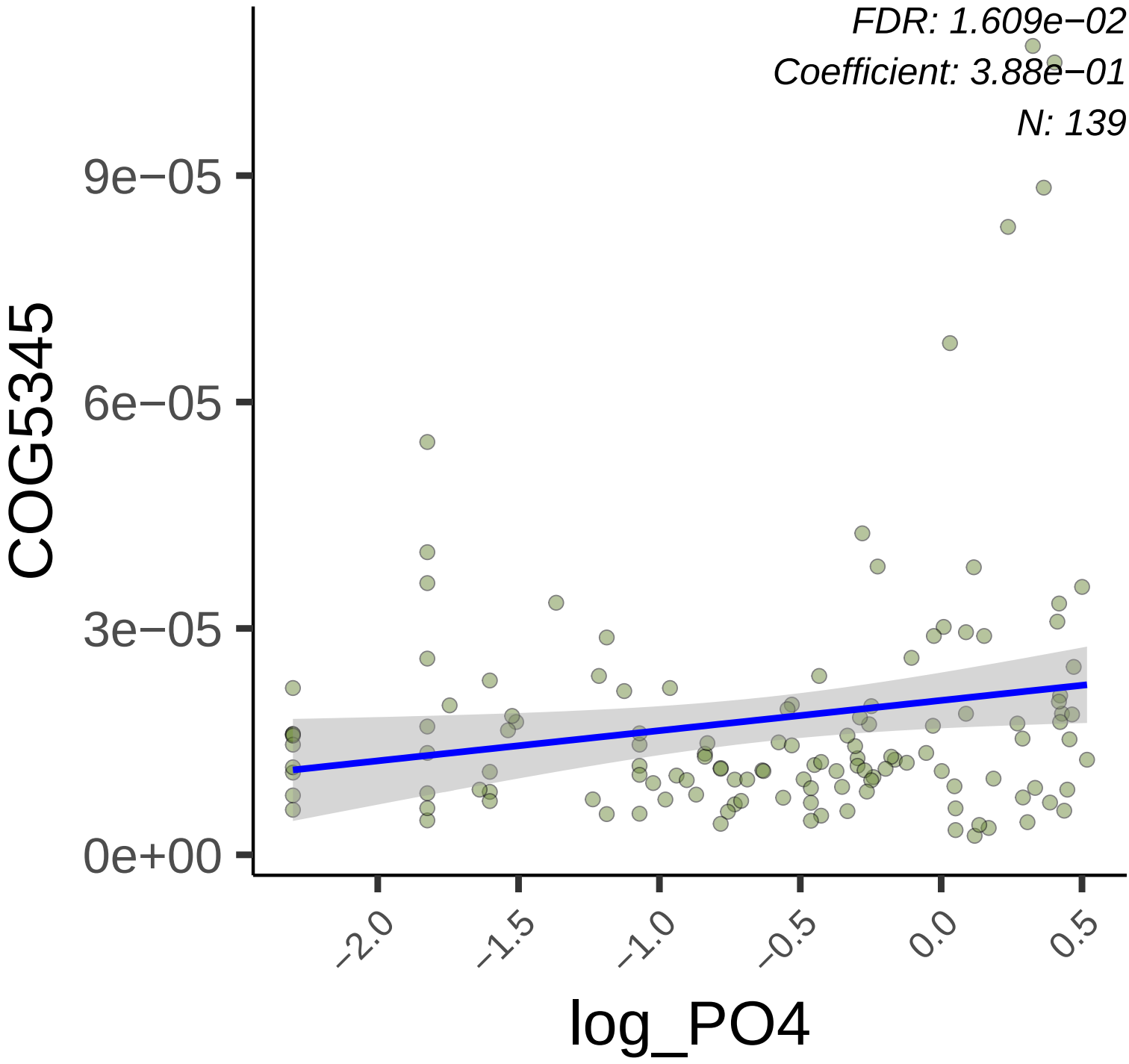
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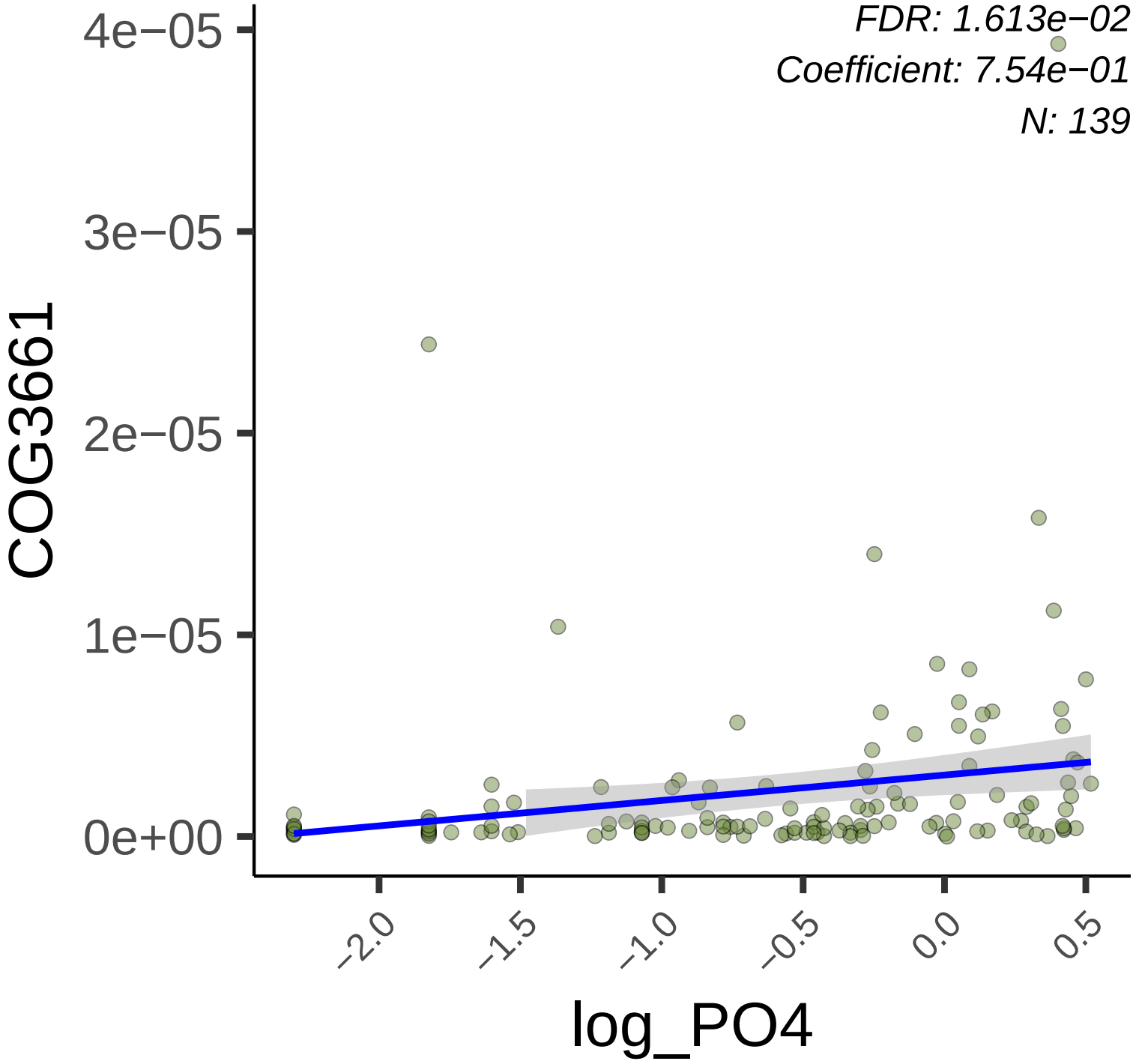
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Coefficient: 7.54e−01
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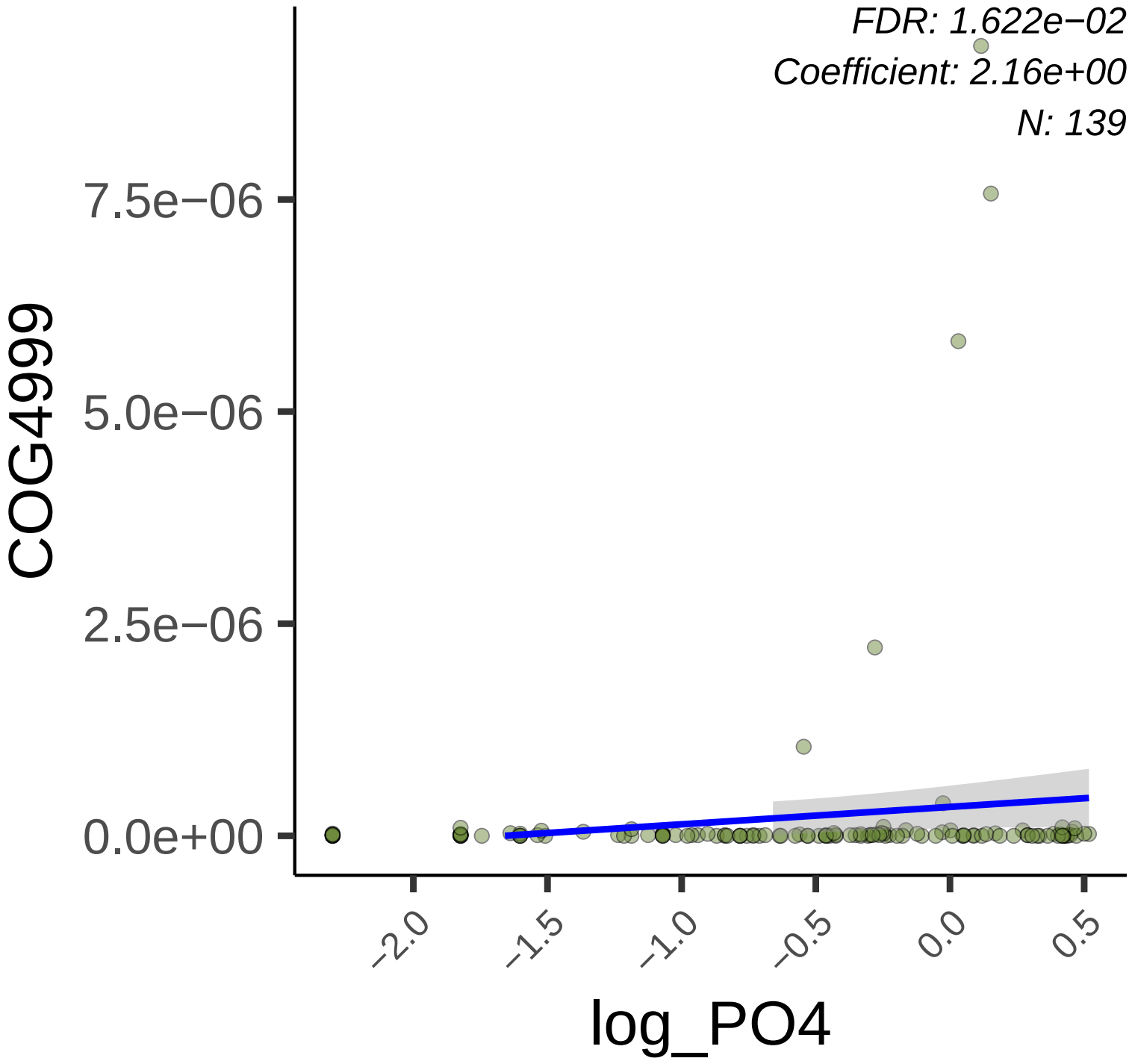
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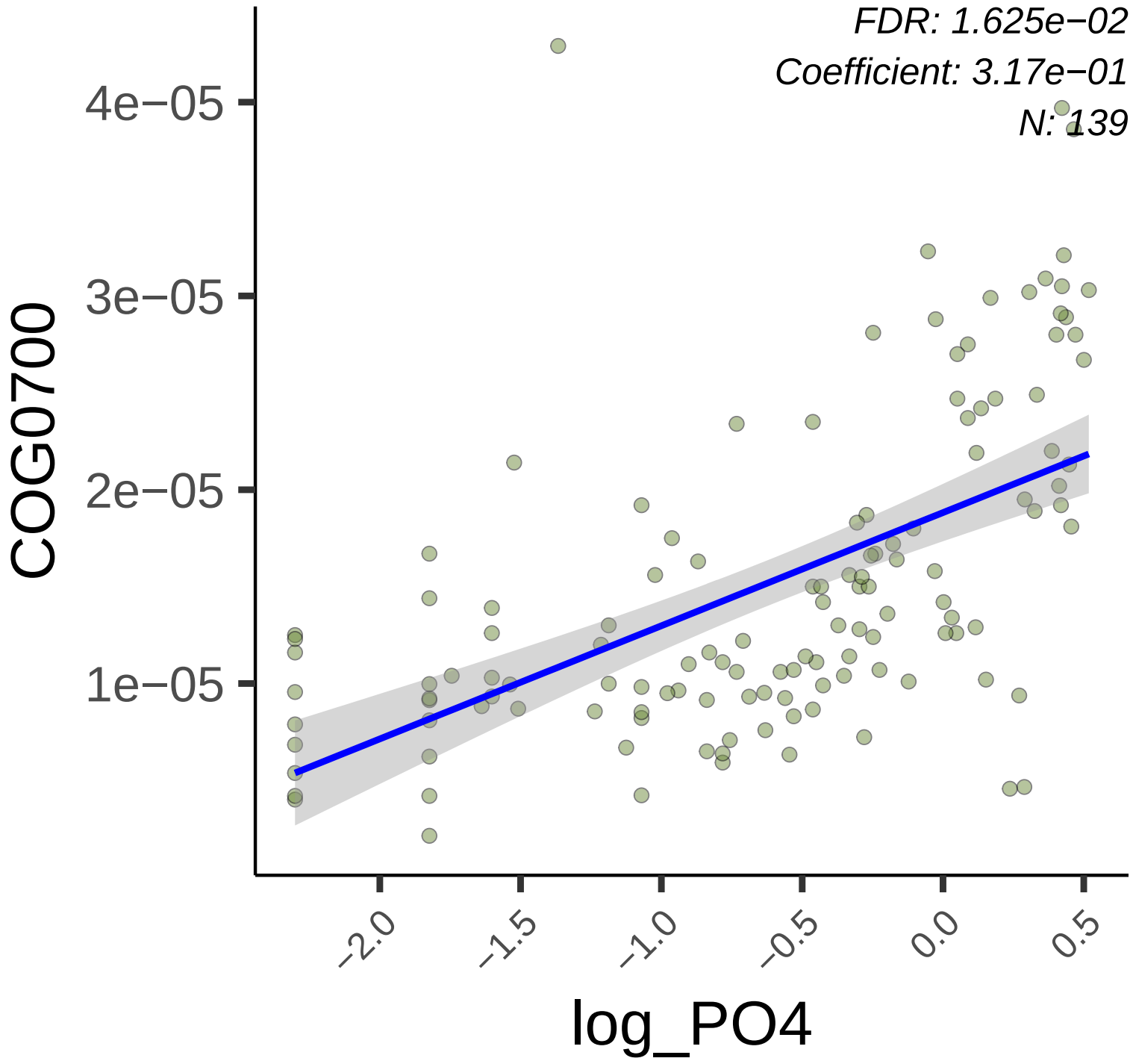
log_PO4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Coefficient: 3.17e−01
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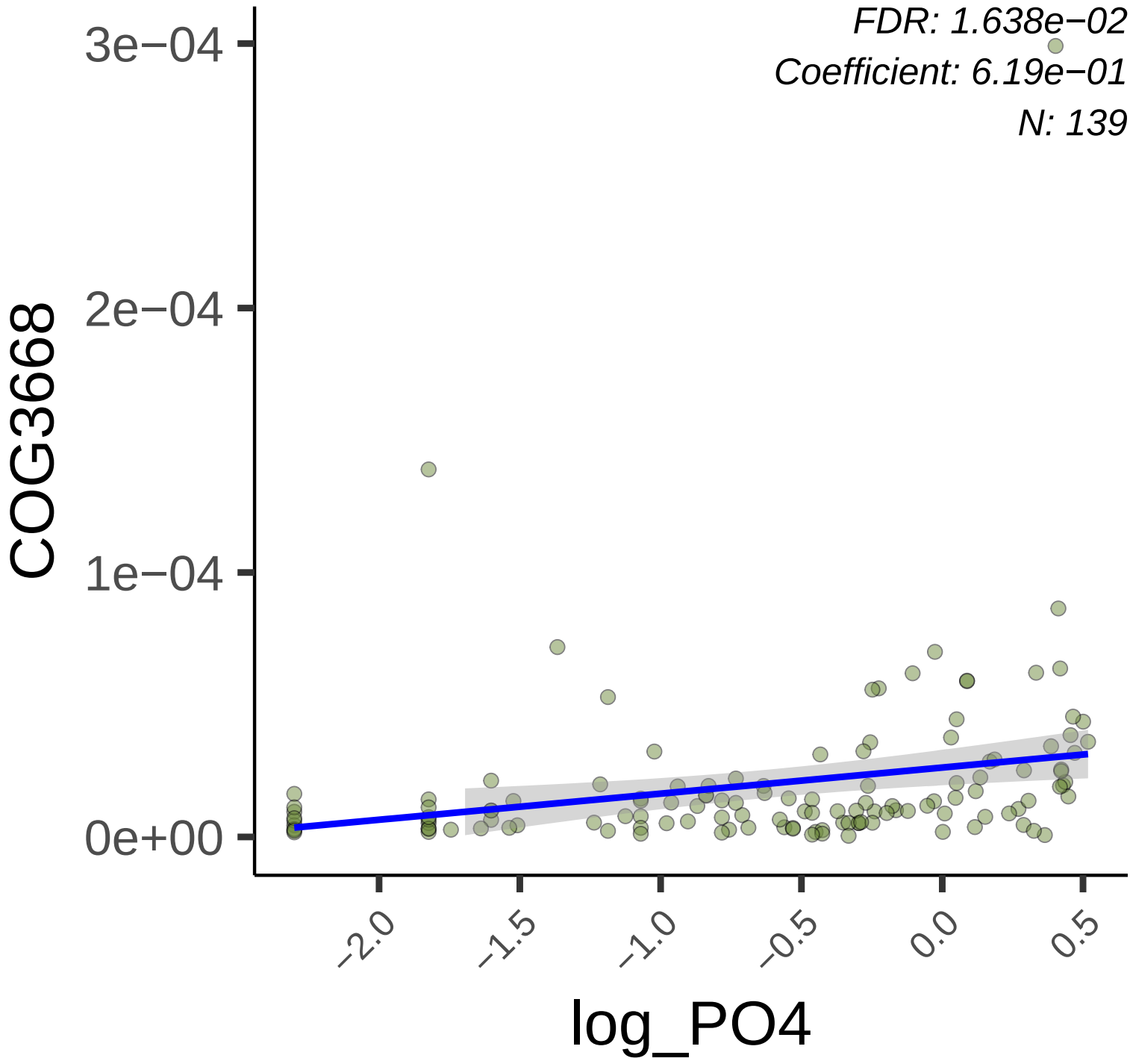
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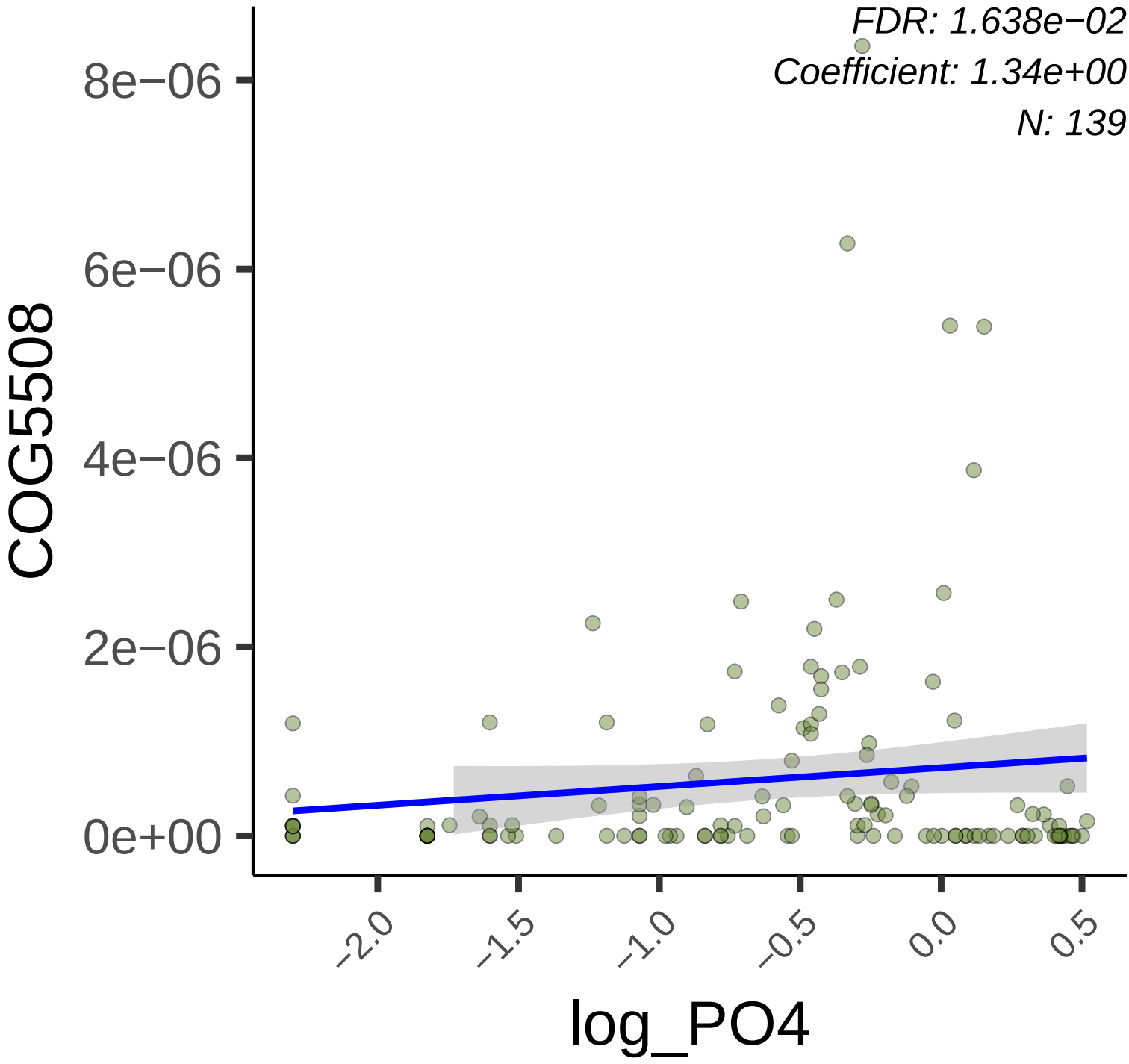
log_PO4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N: 139
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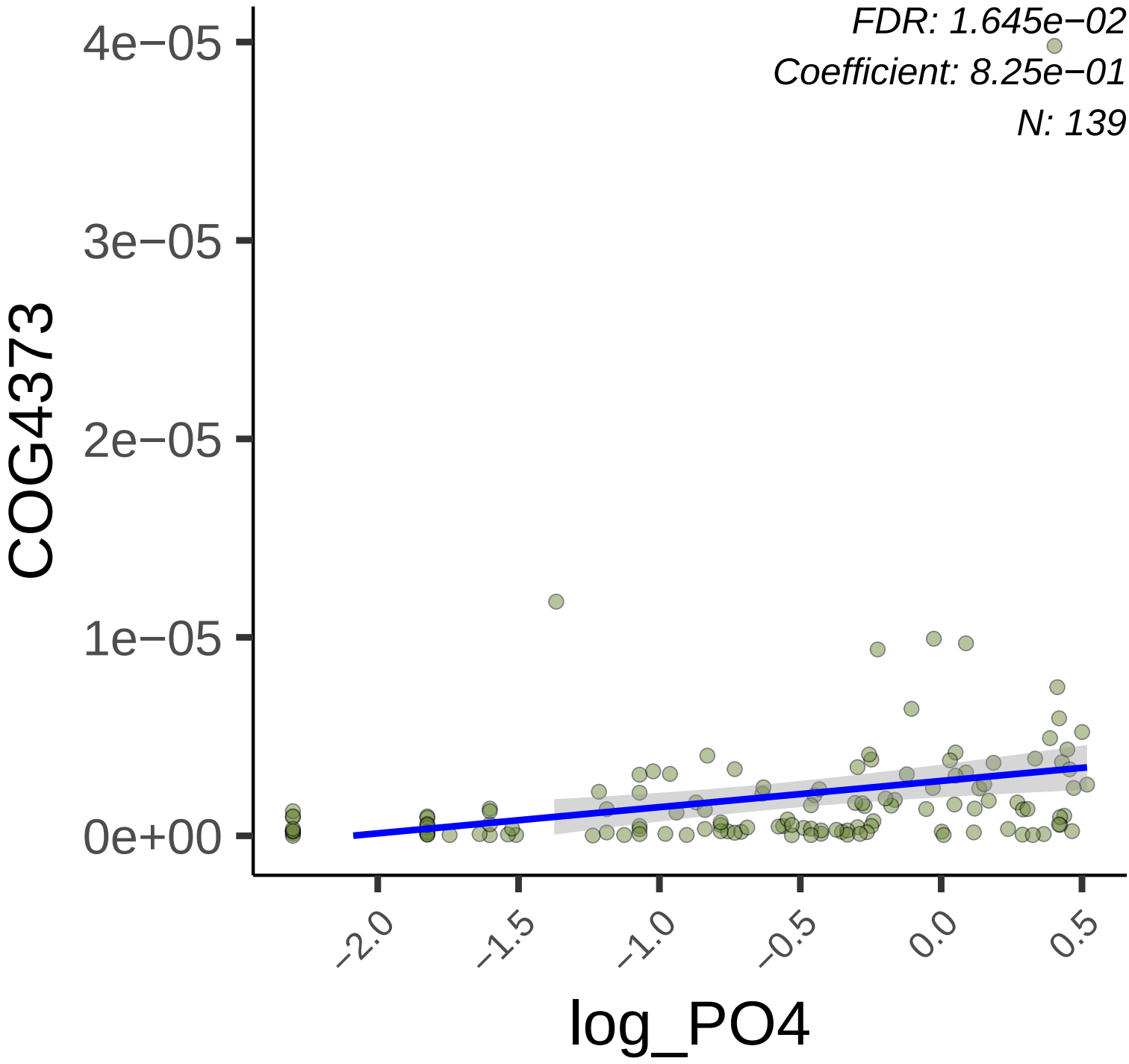
log_PO4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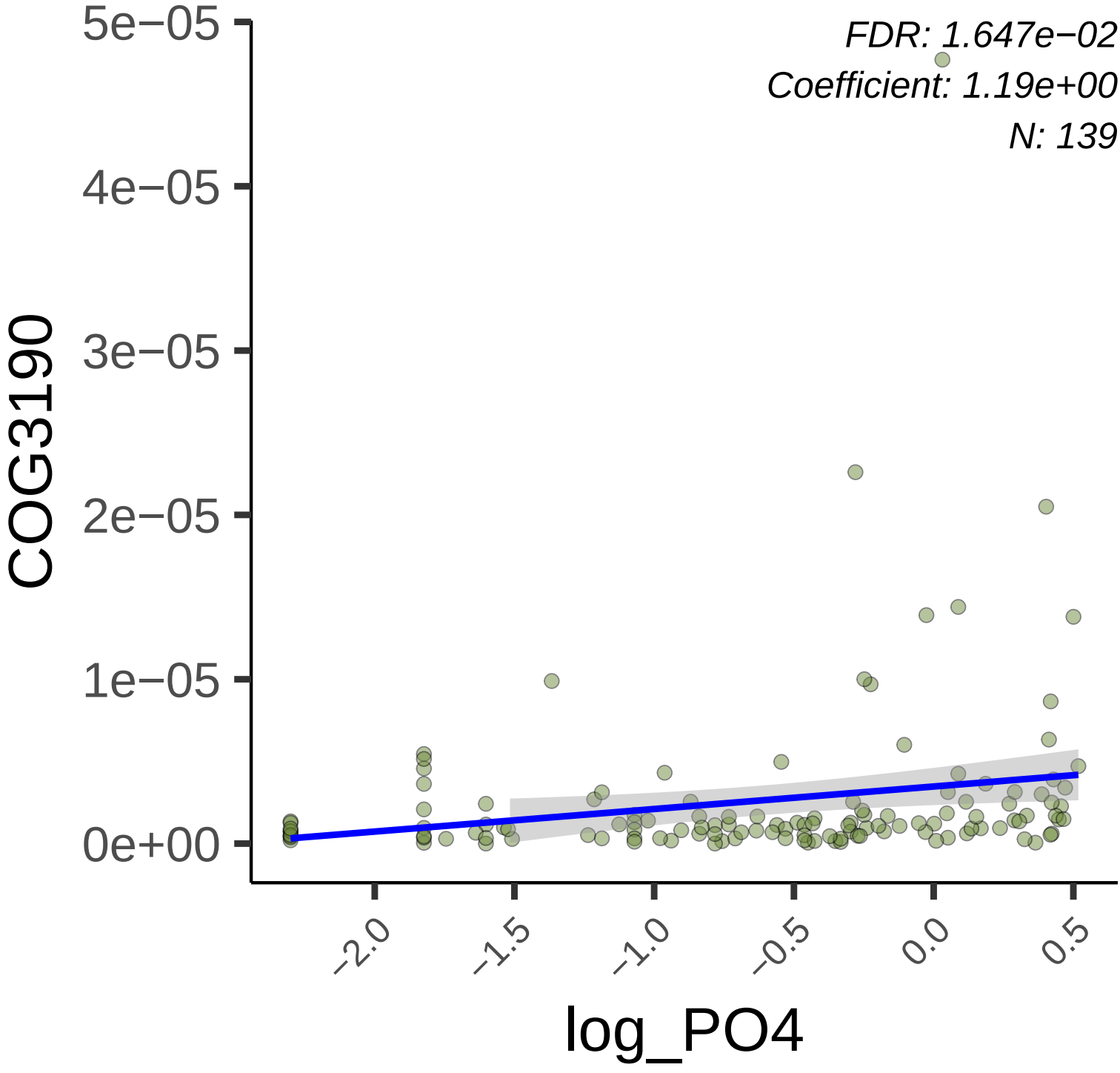
log_PO4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Coefficient: 1.19e+00
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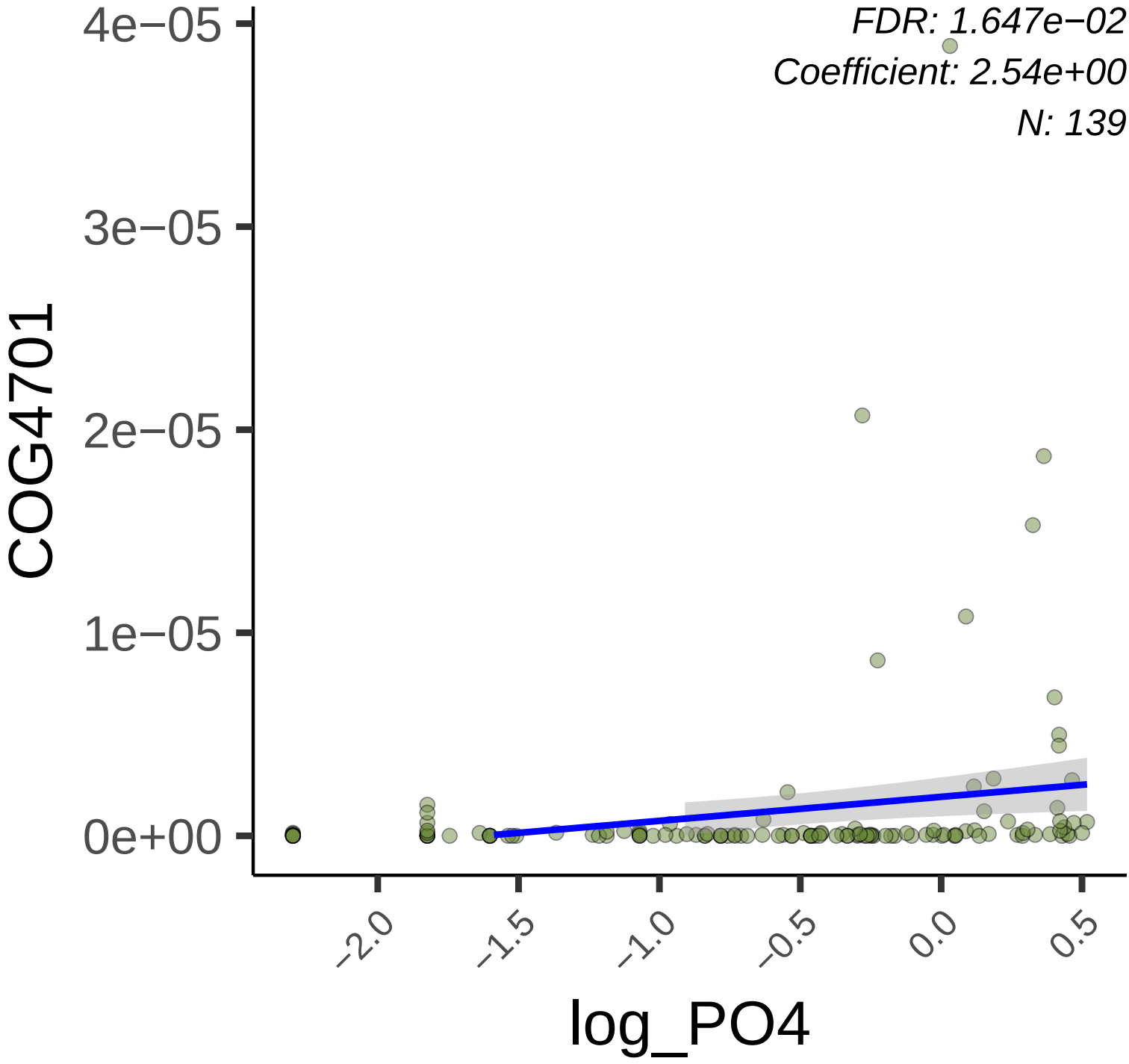
log_PO4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Coefficient: 2.54e+00
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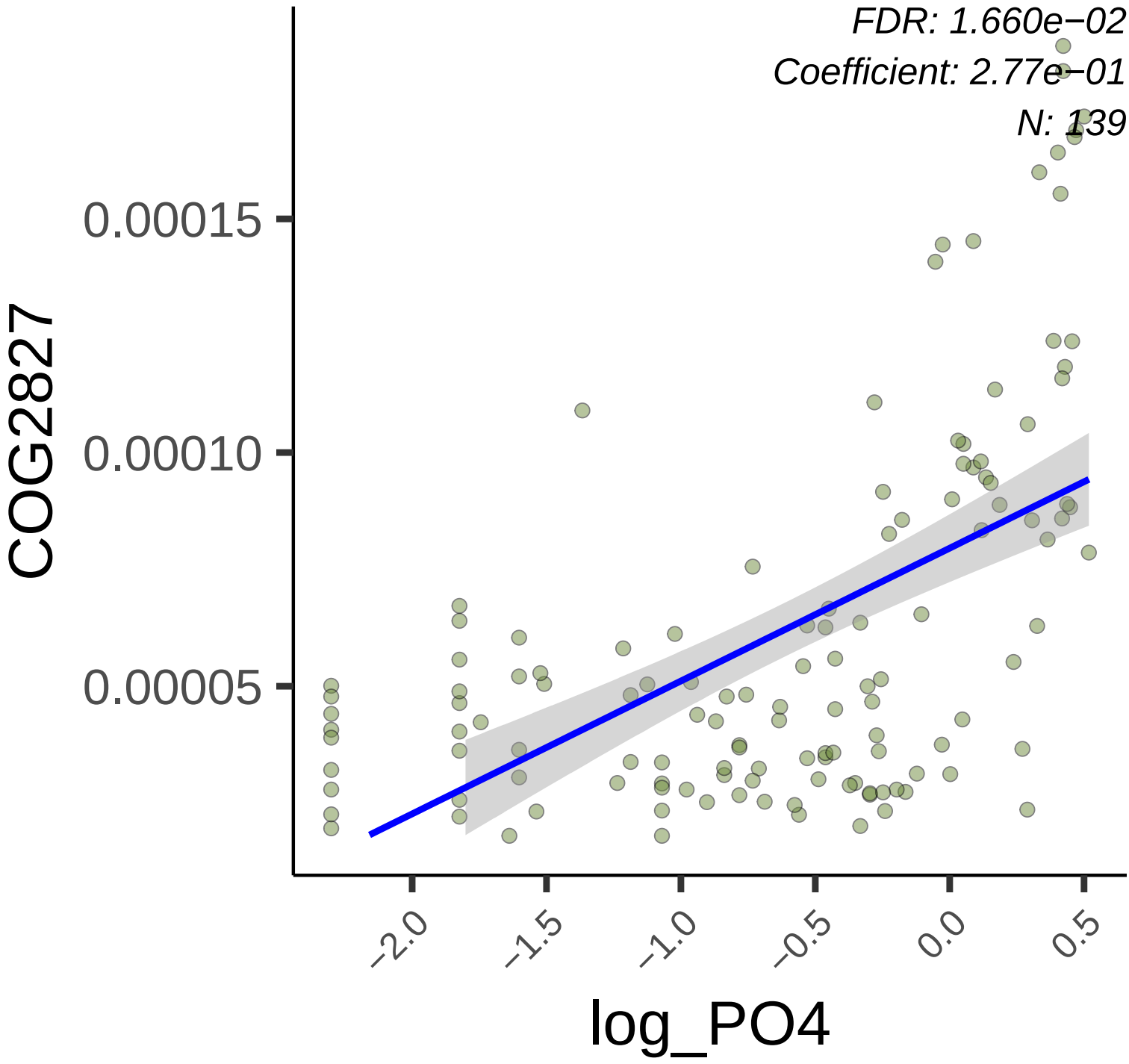
log_PO4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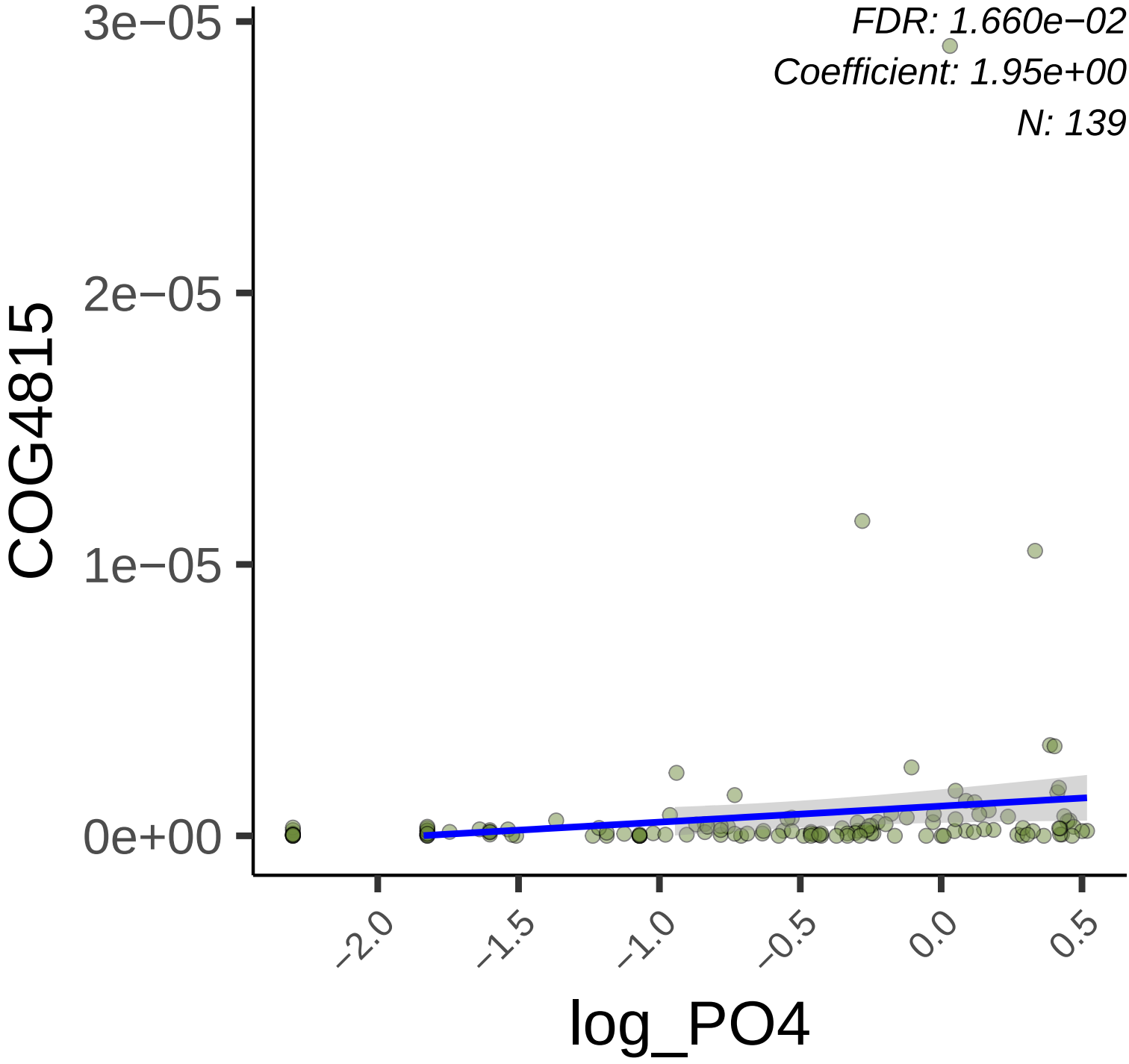
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Coefficient: 1.95e+00
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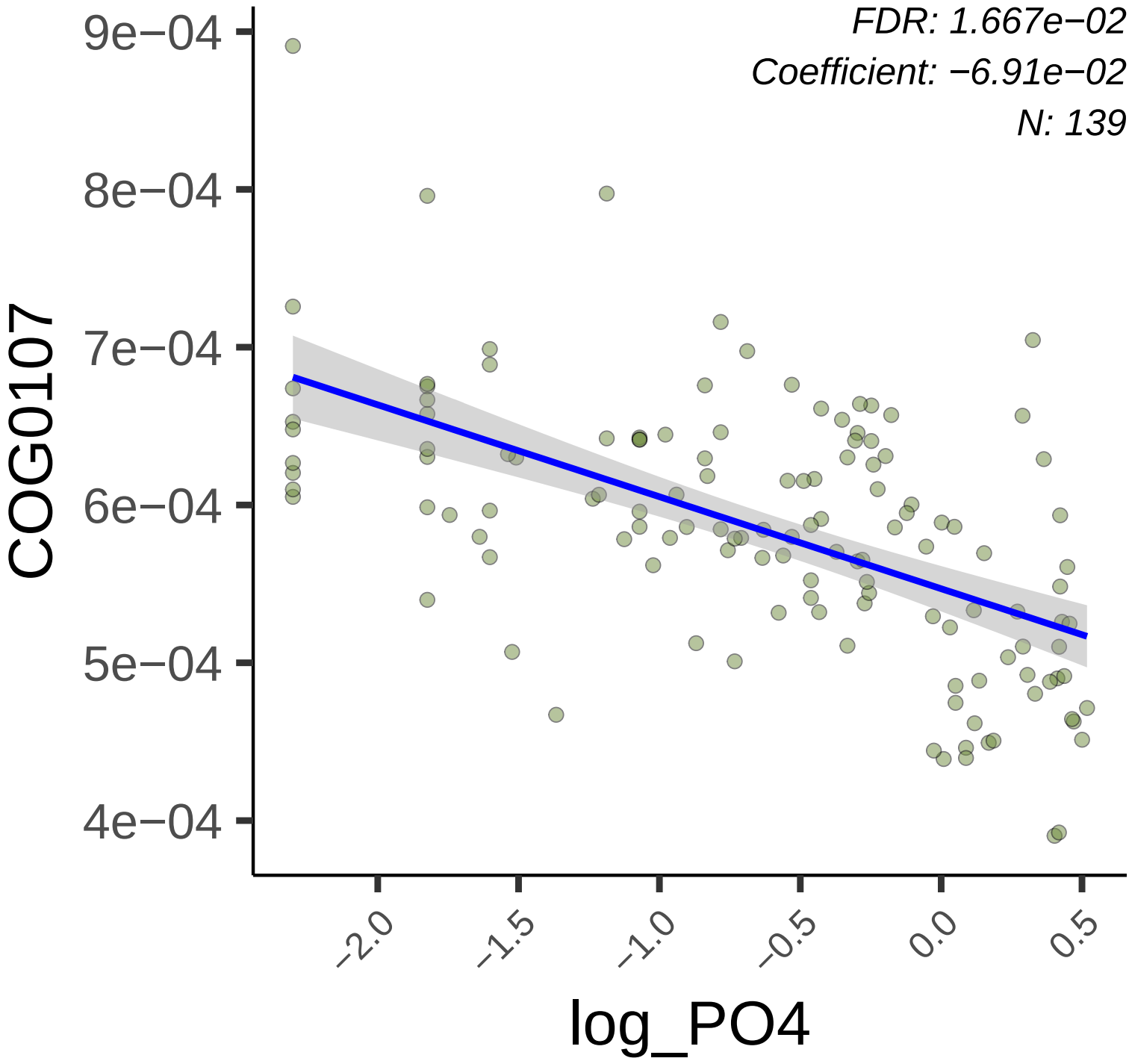
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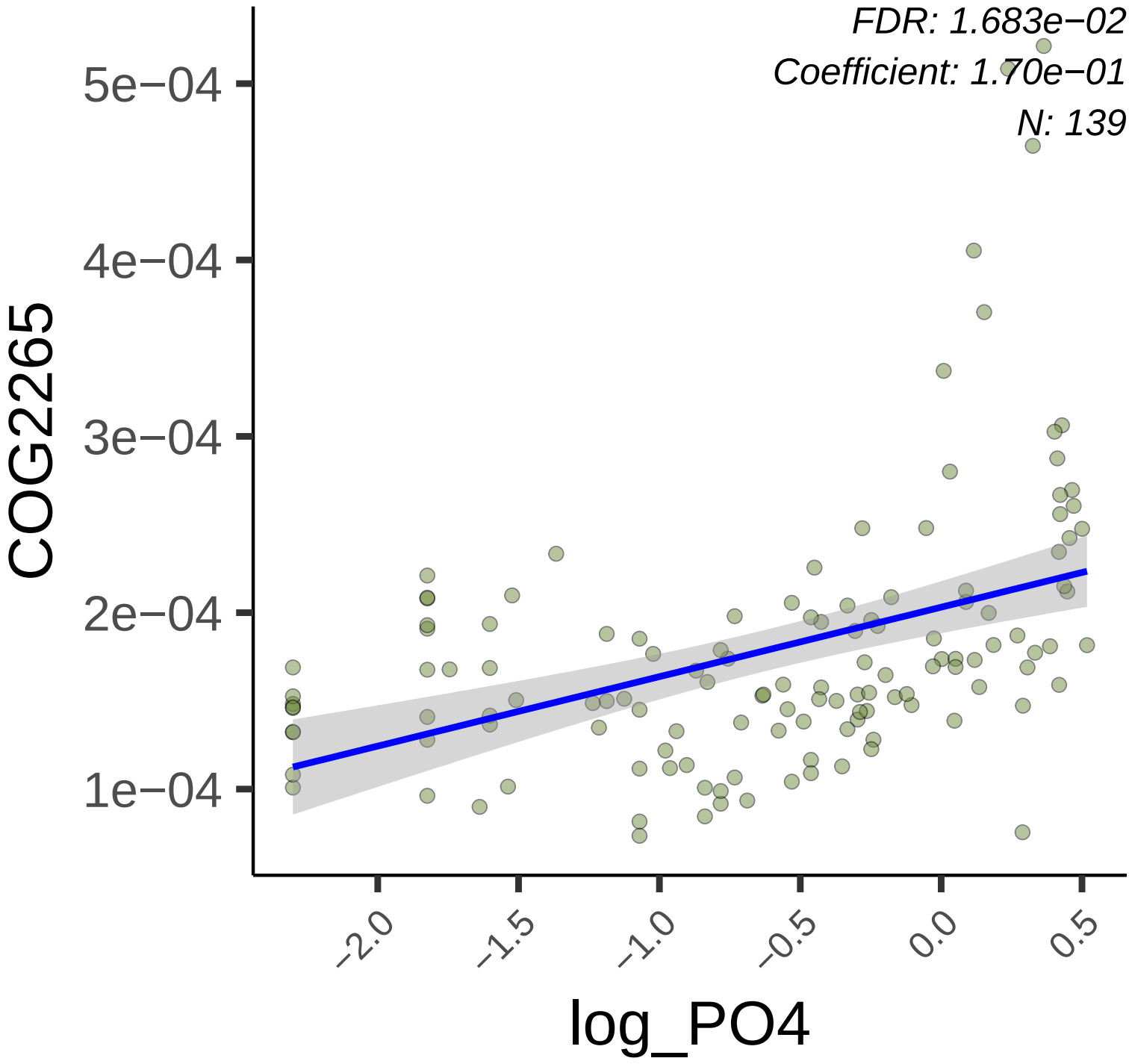
log_PO4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Coefficient: 1.70e−01
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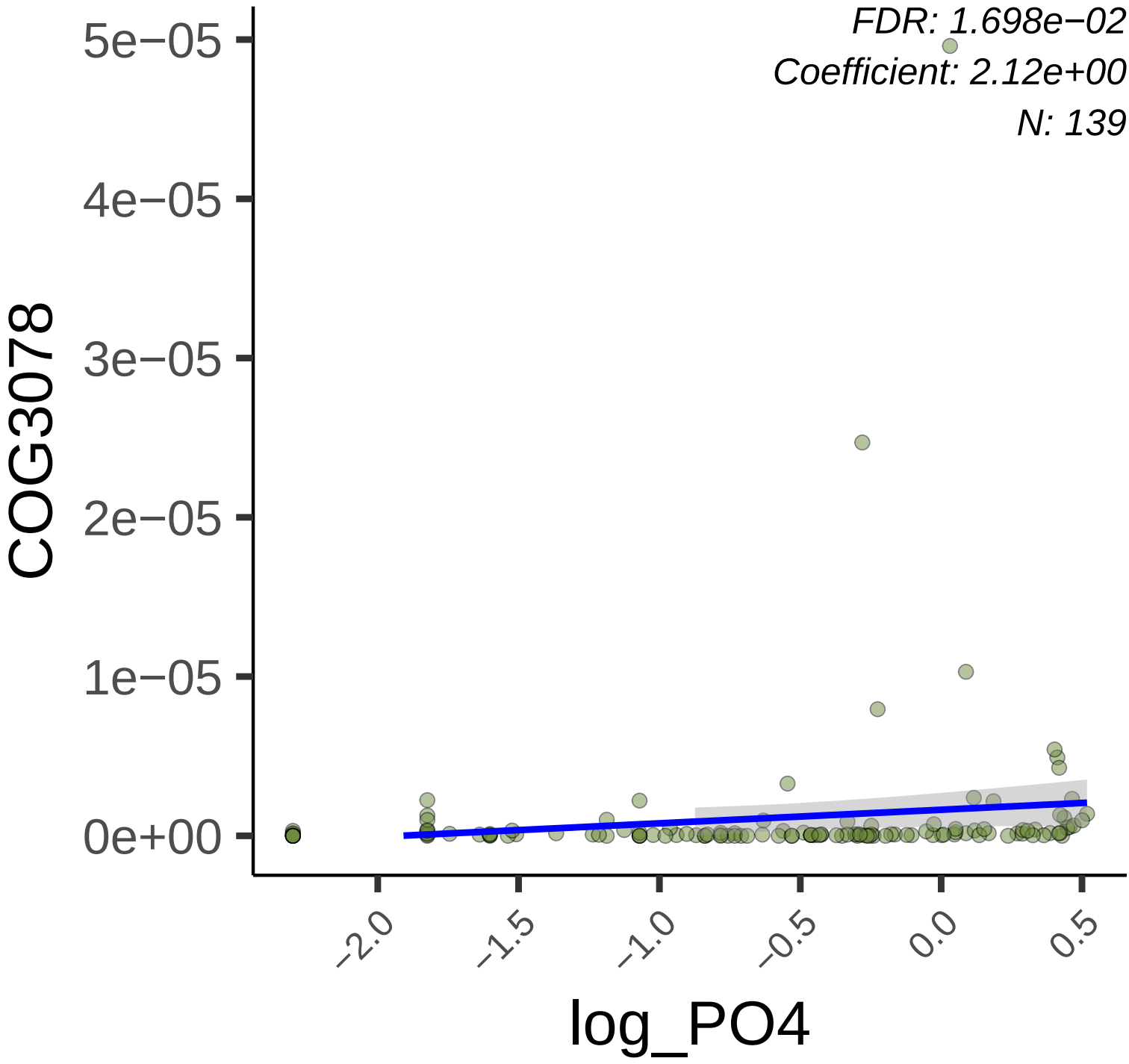
log_PO4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Coefficient: 2.12e+00
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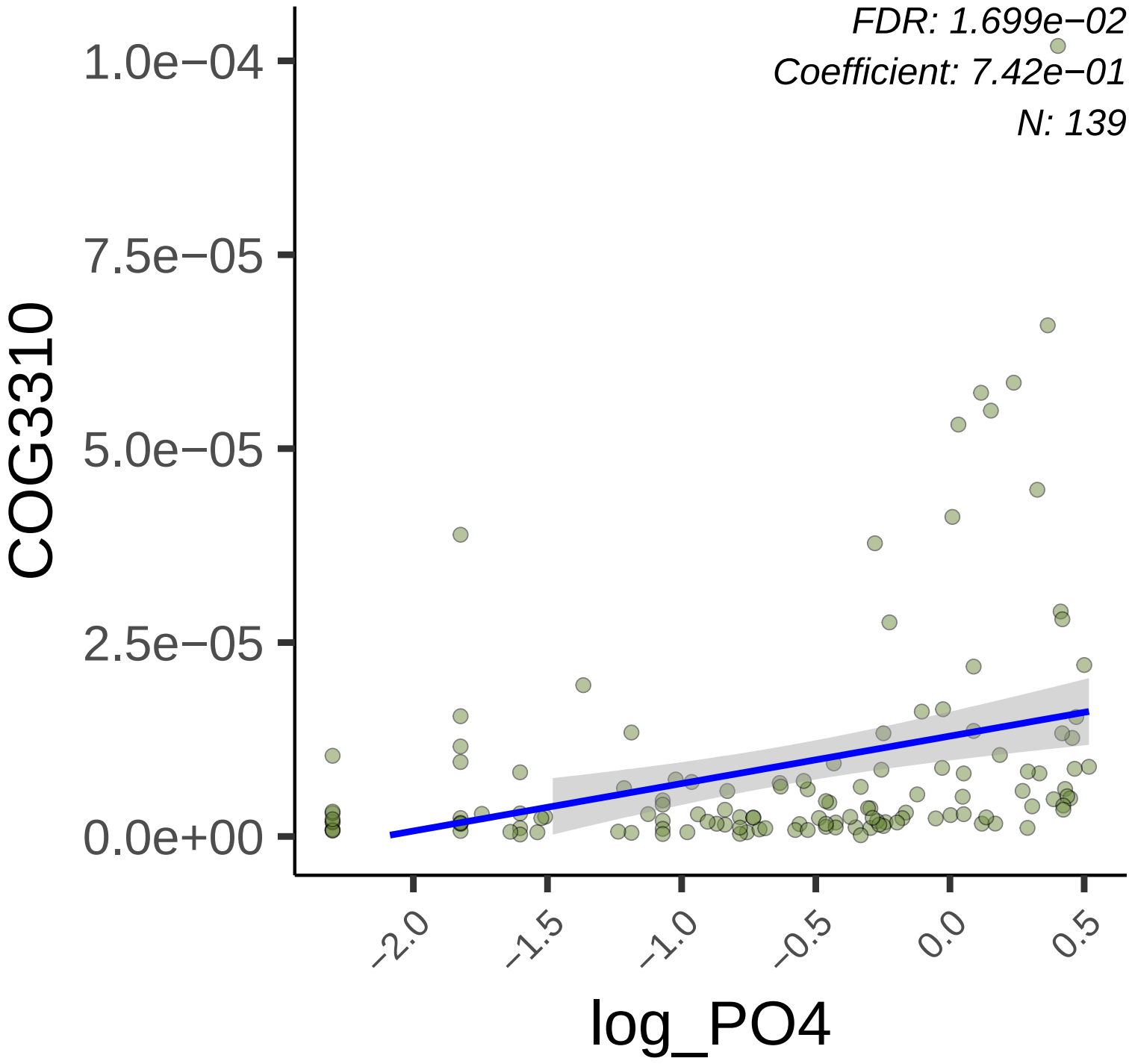
log_PO4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Coefficient: 7.42e−01
N: 139
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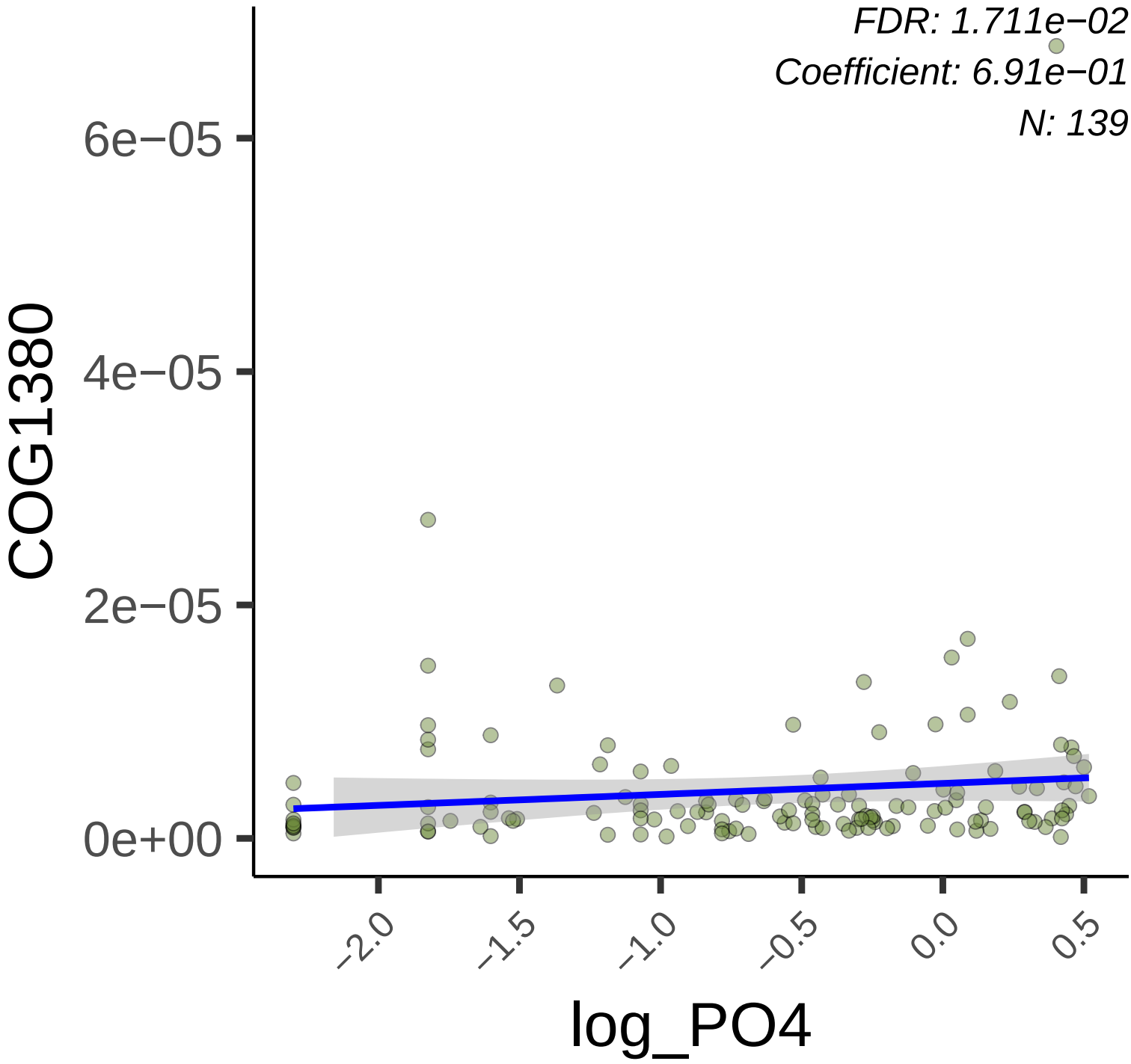
log_PO4


FDR: 1.711e−02
Coefficient: 6.91e−01
N: 139
COG1380
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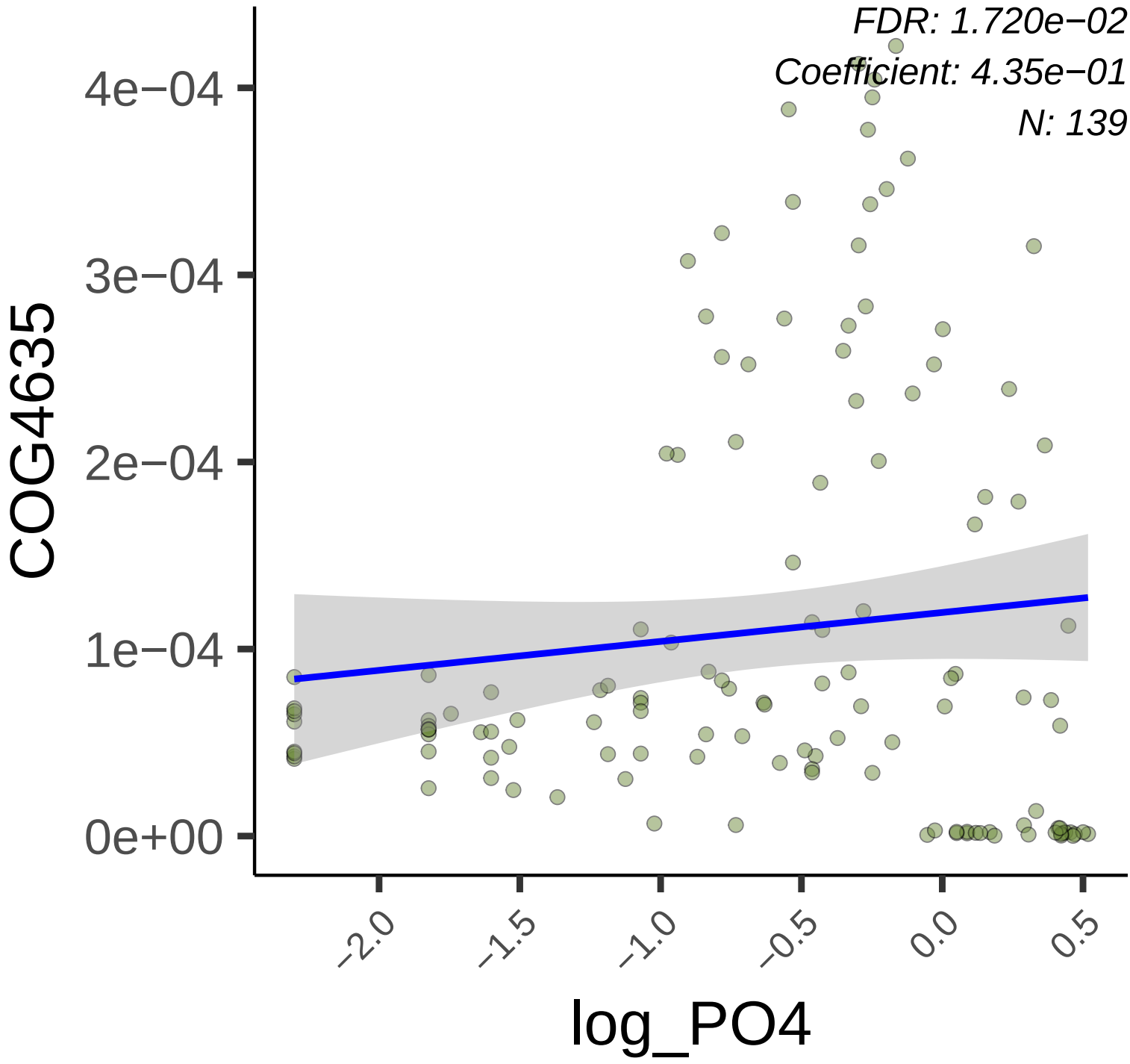
log_PO4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Coefficient: 4.35e−01
N: 139
COG4635
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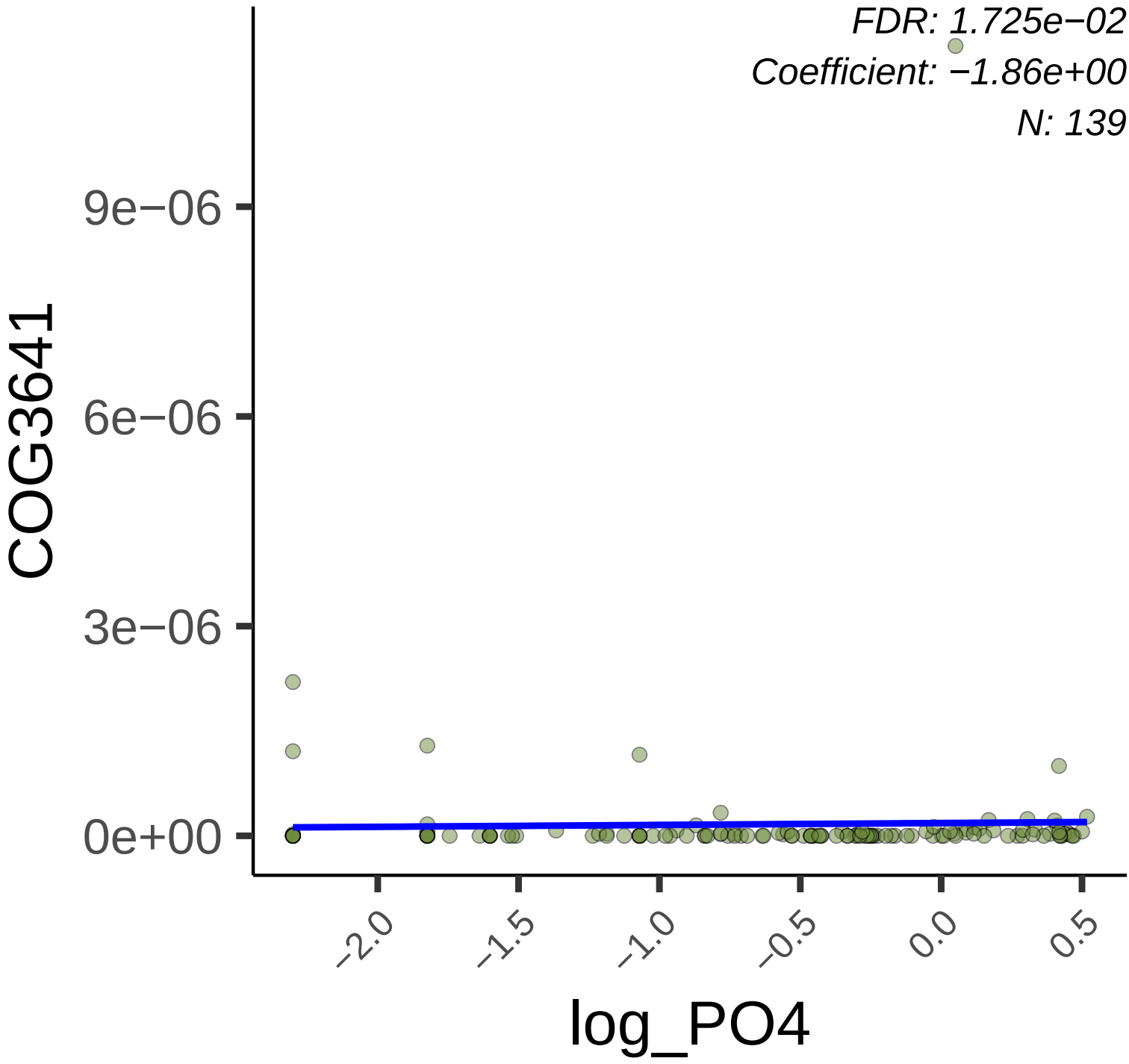
log_PO4


FDR: 1.725e−02
Coefficient: −1.86e+00
N: 139
COG3641
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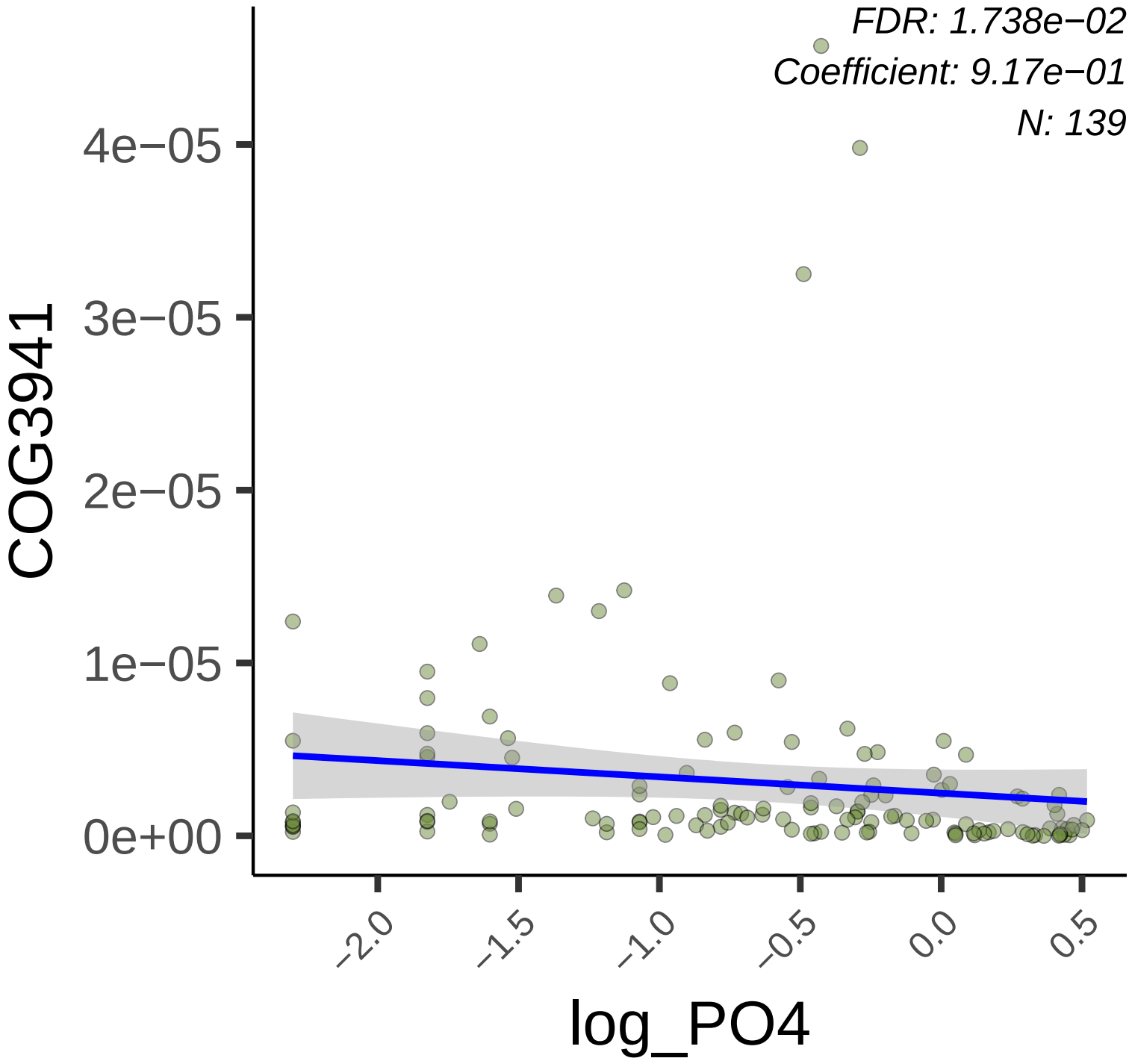
log_PO4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Coefficient: 9.17e−01
N: 139
COG3941
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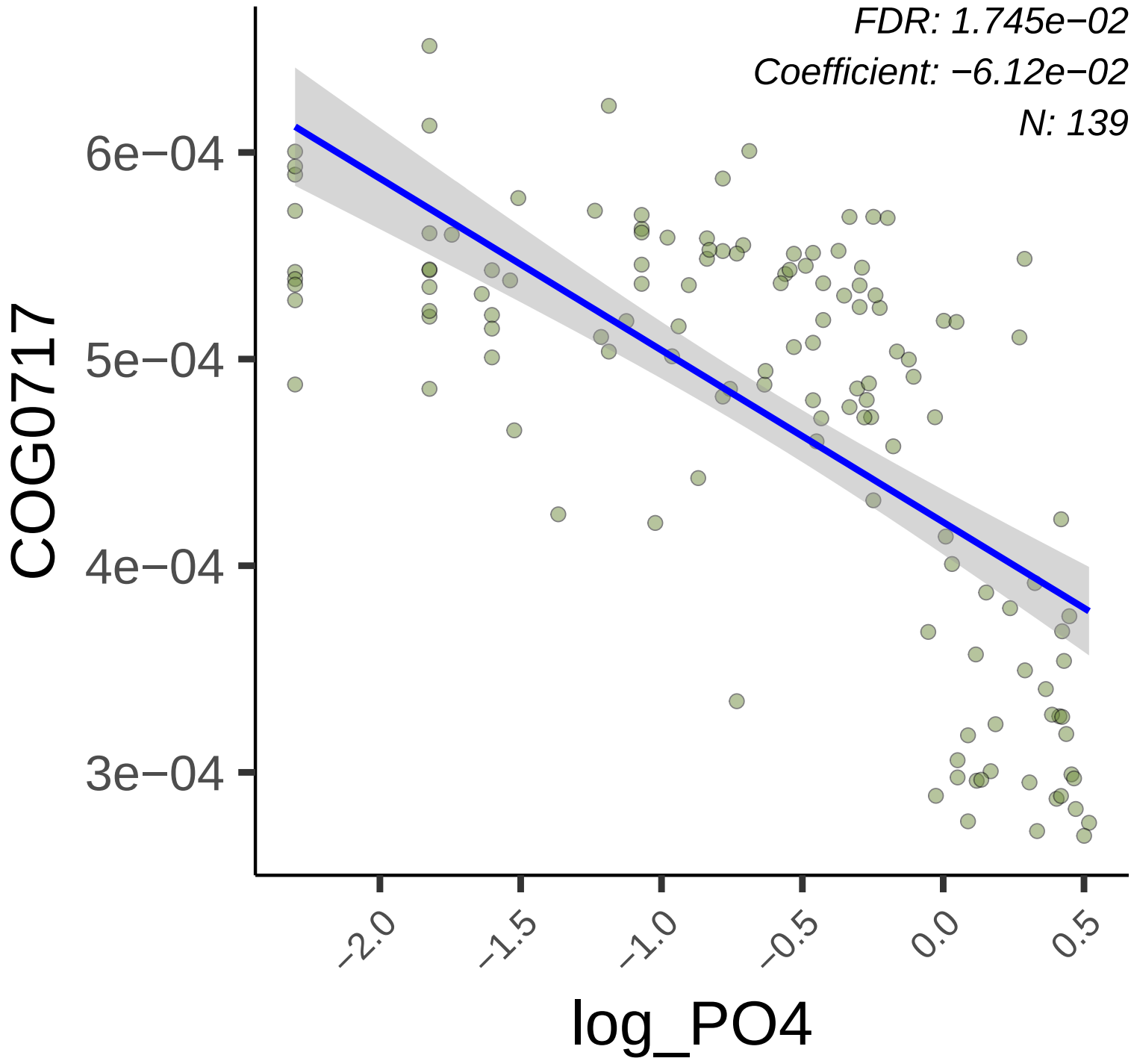
log_PO4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Coefficient: −6.12e−02
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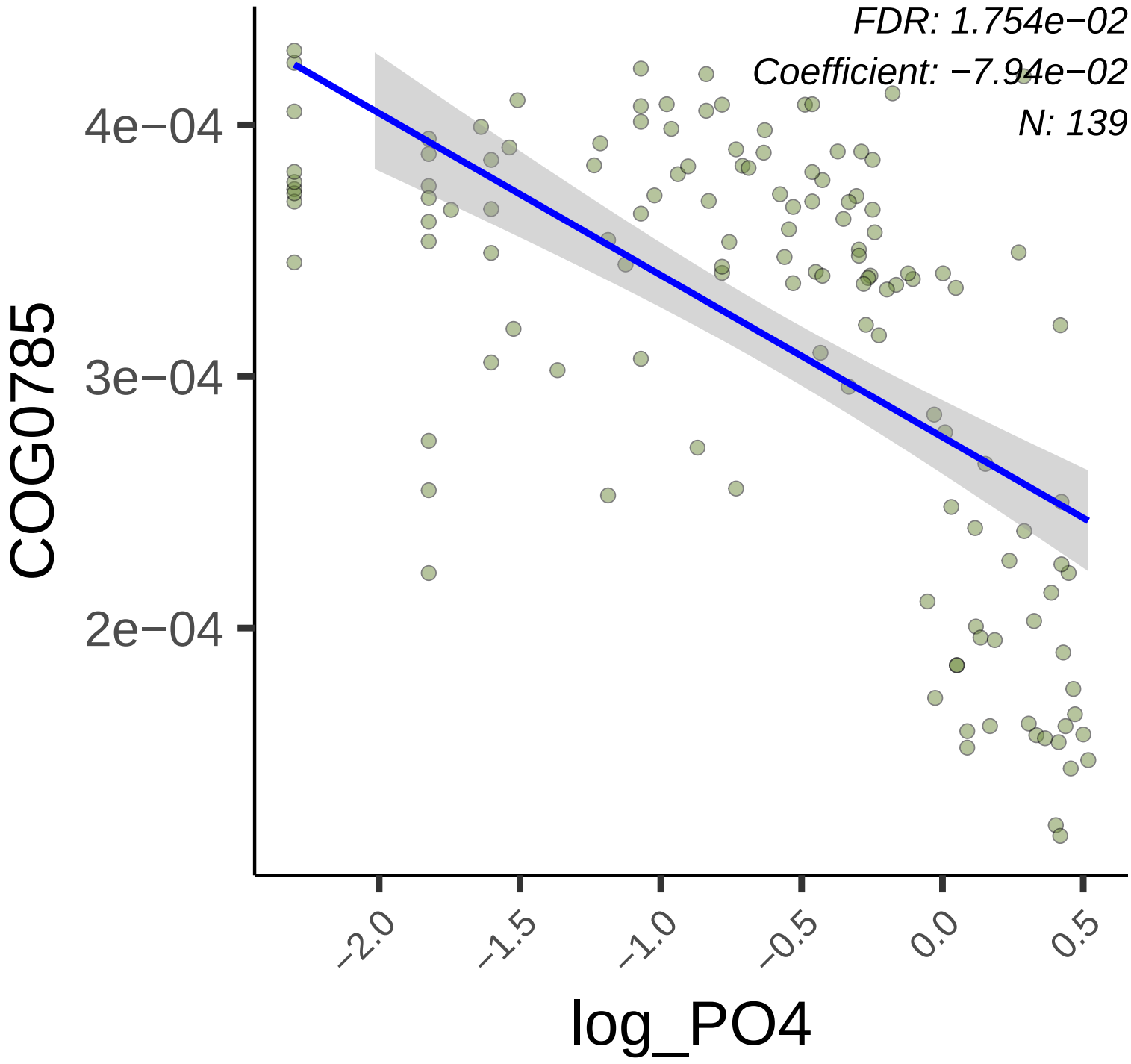
log_PO4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Coefficient: −7.94e−02
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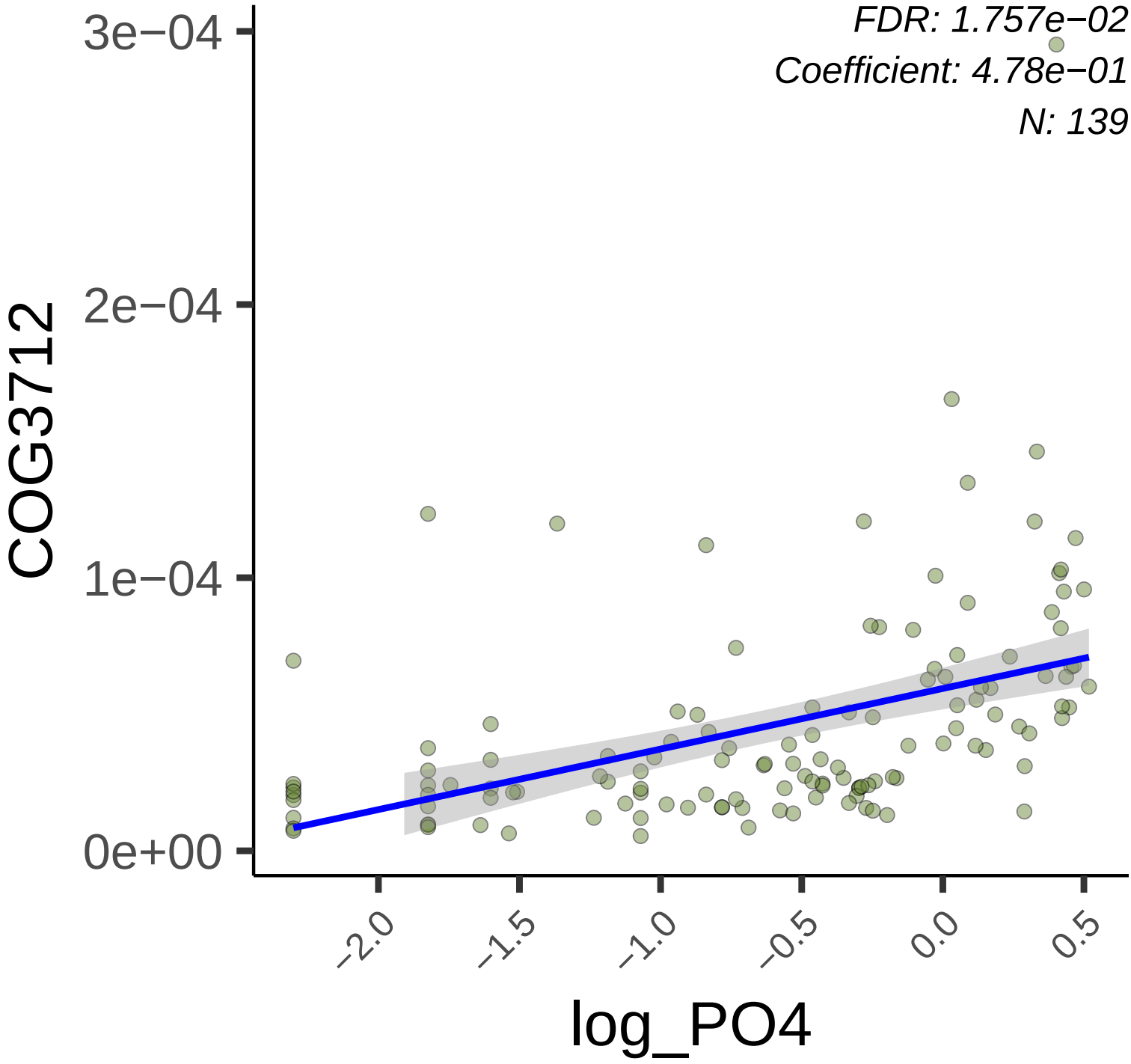
log_PO4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Coefficient: 4.78e−01
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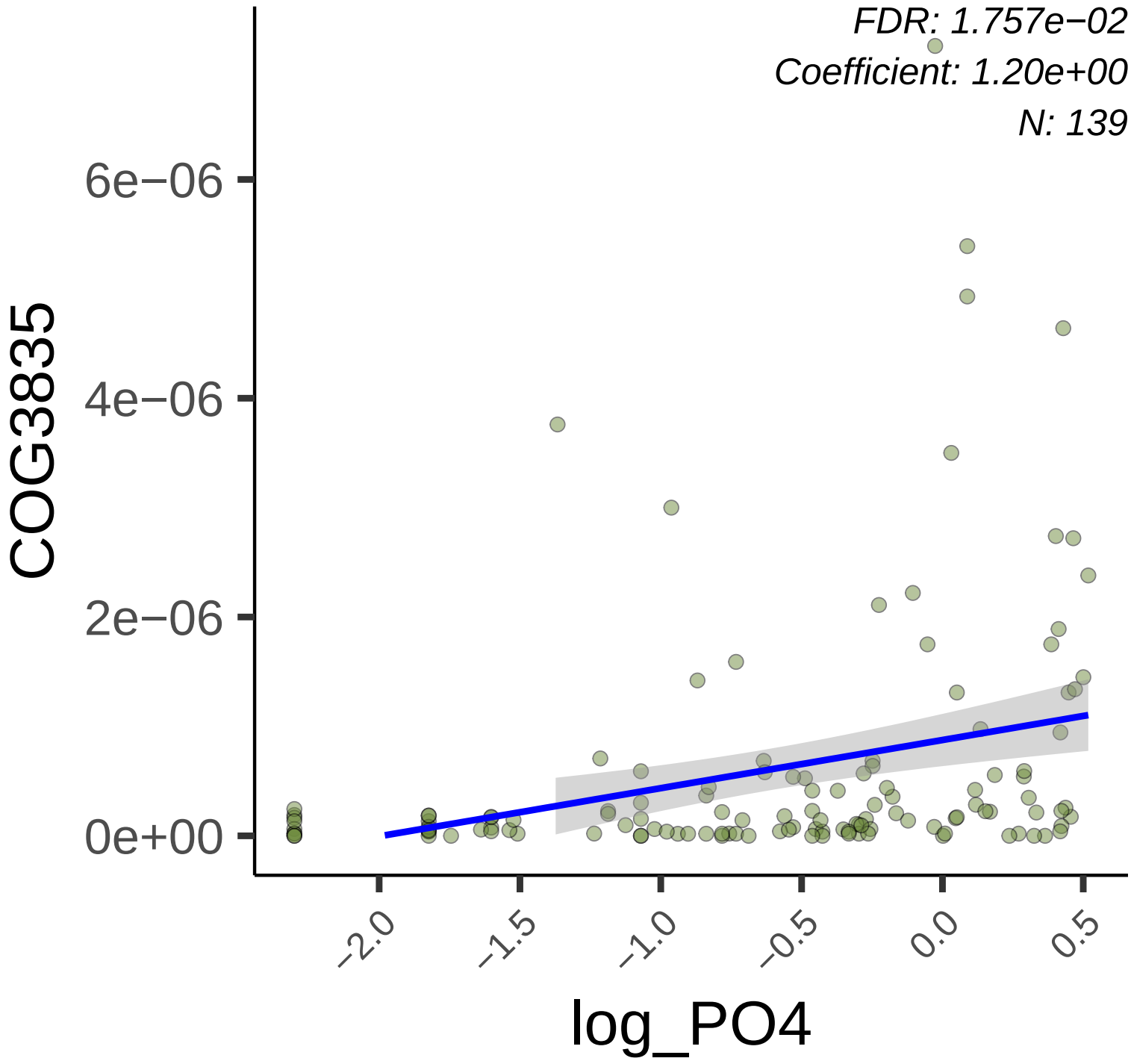
log_PO4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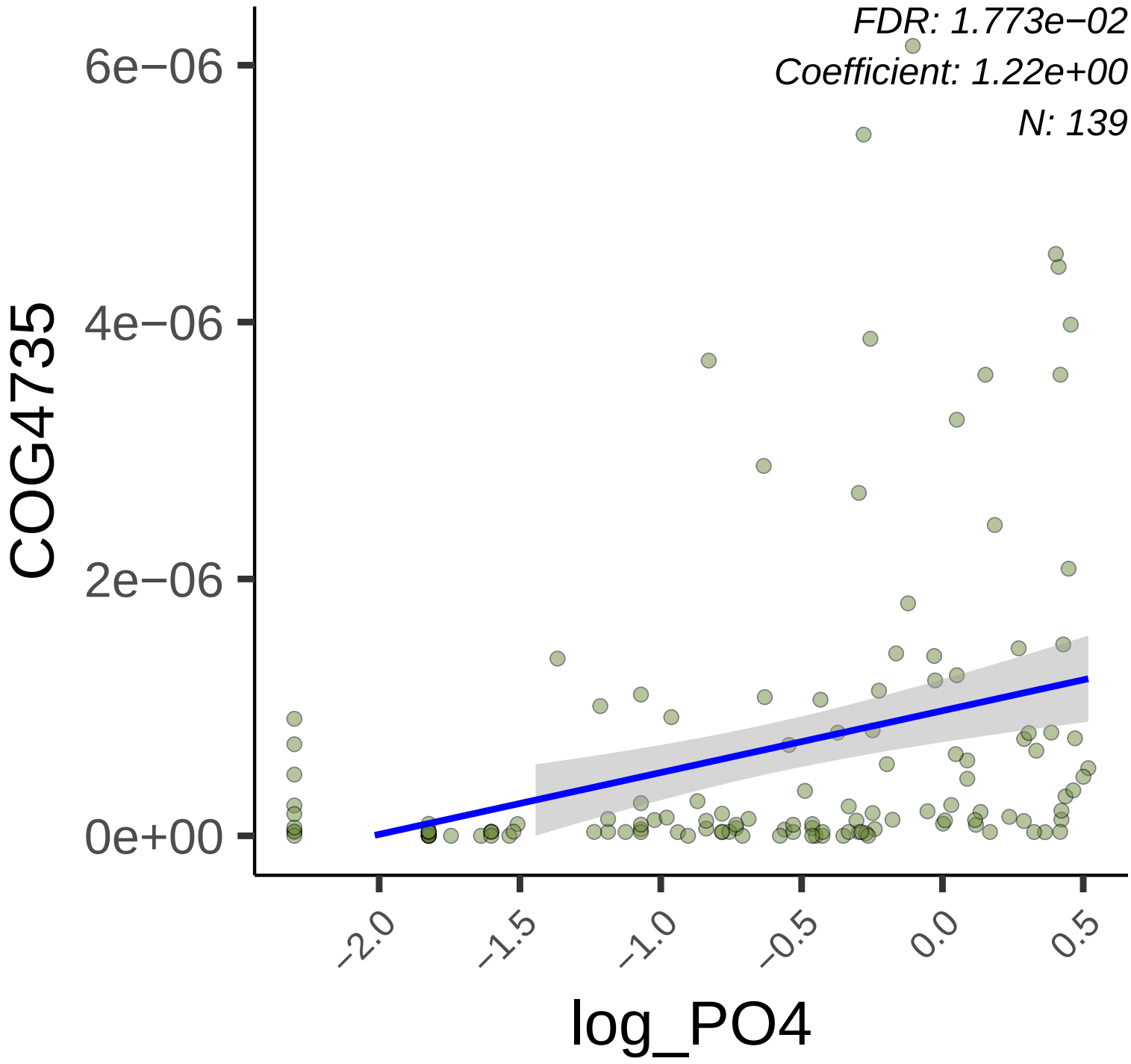
log_PO4


FDR: 1.773e−02
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N: 139
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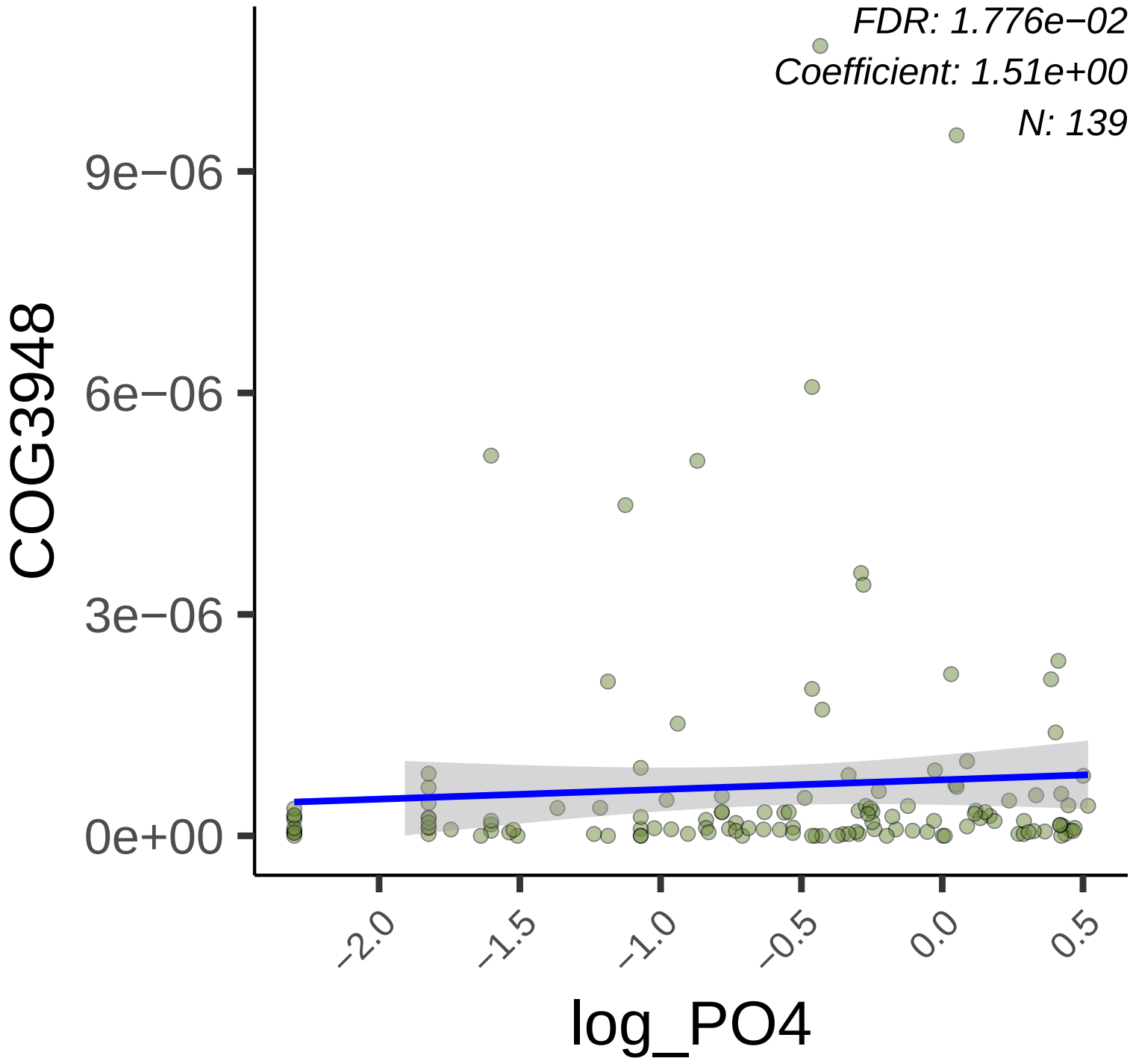
log_PO4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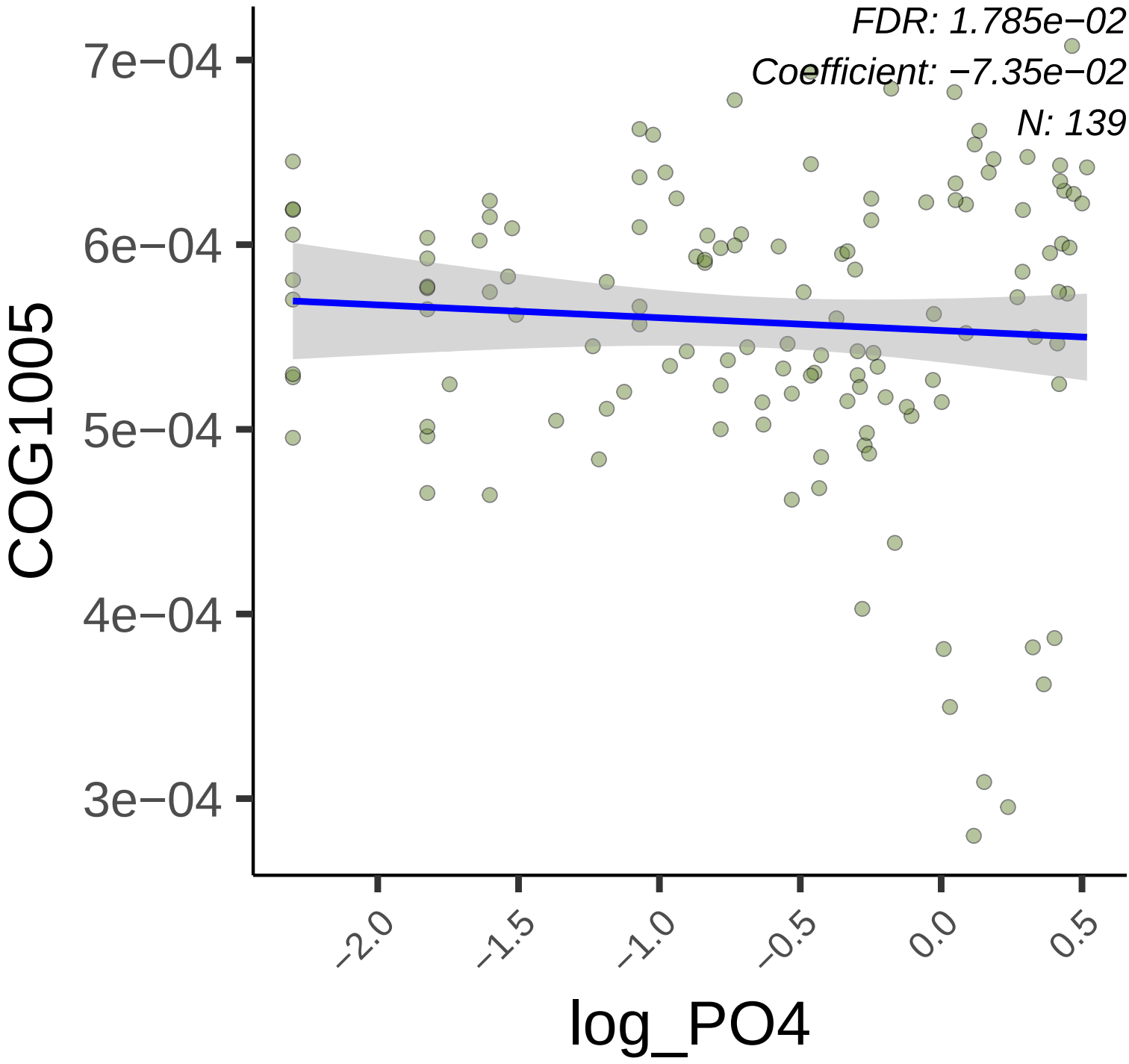
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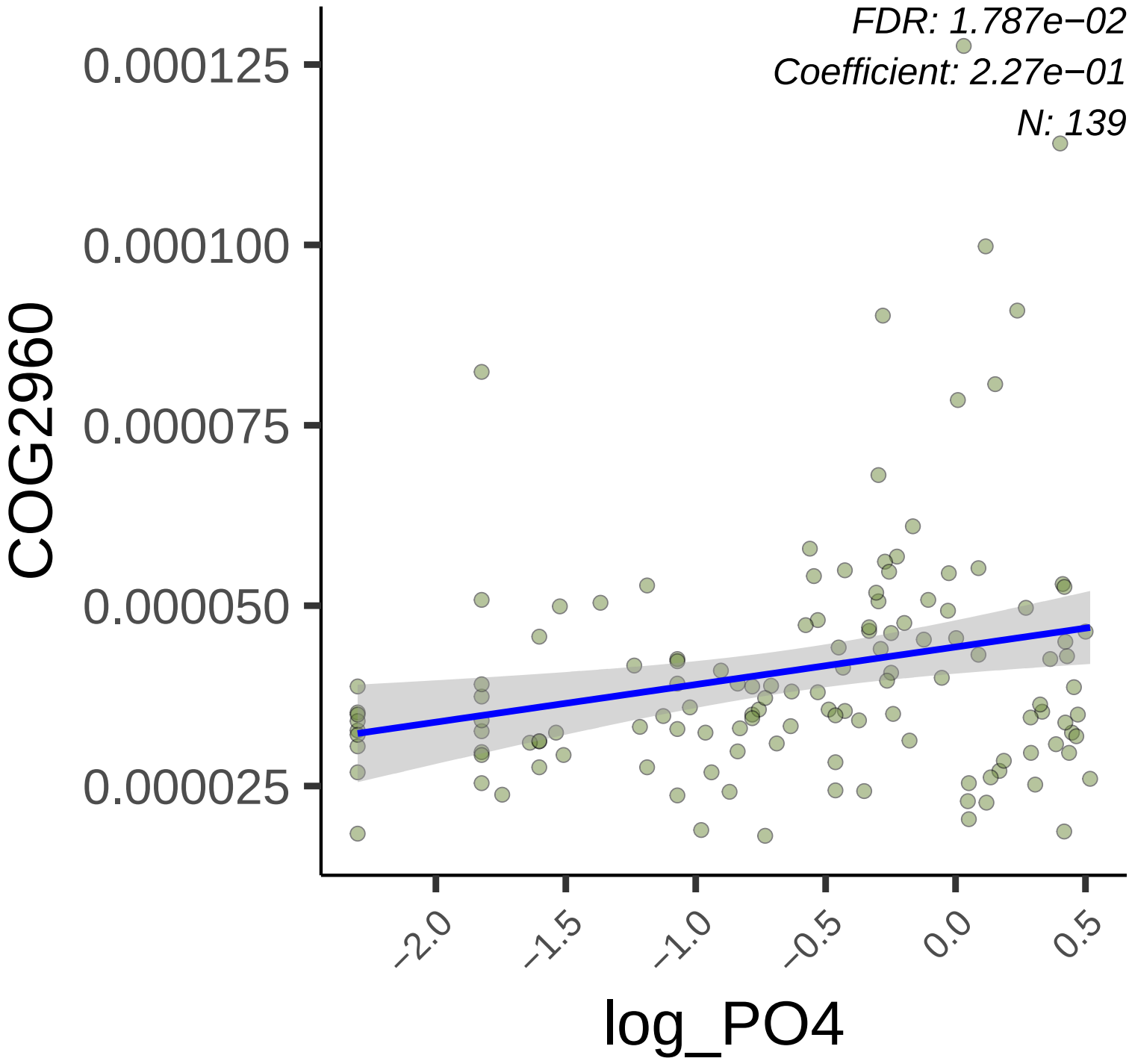
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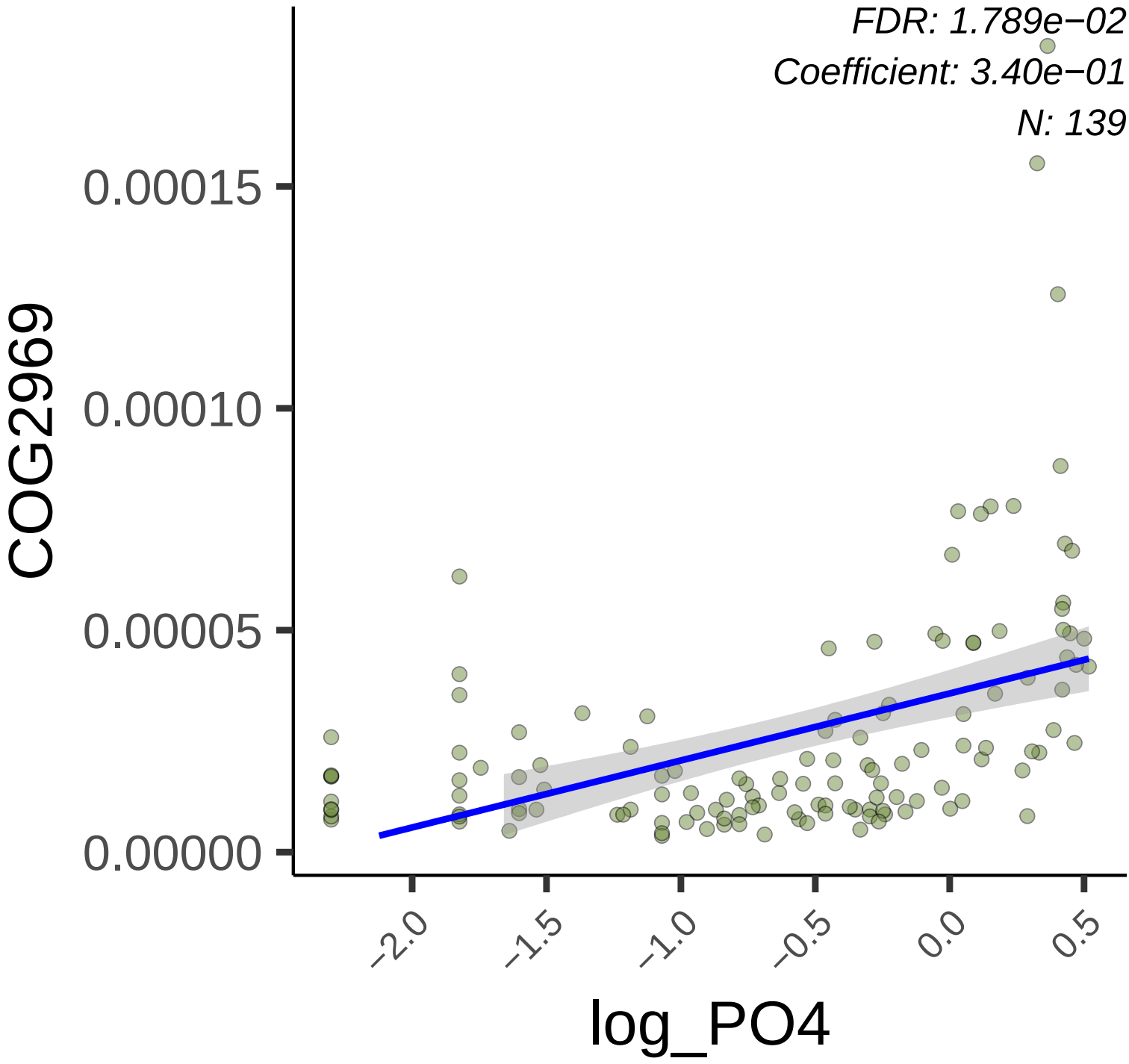
log_PO4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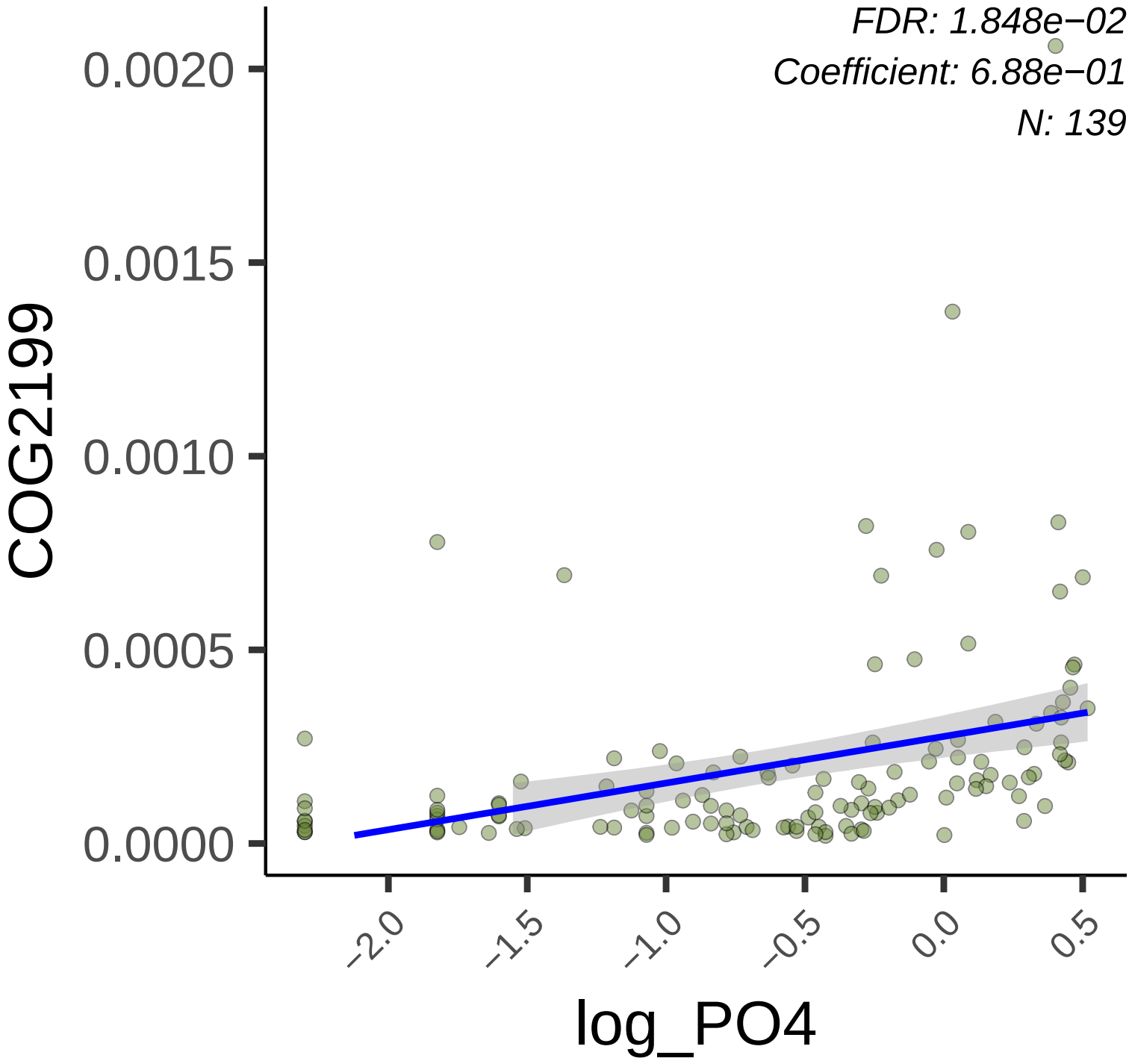
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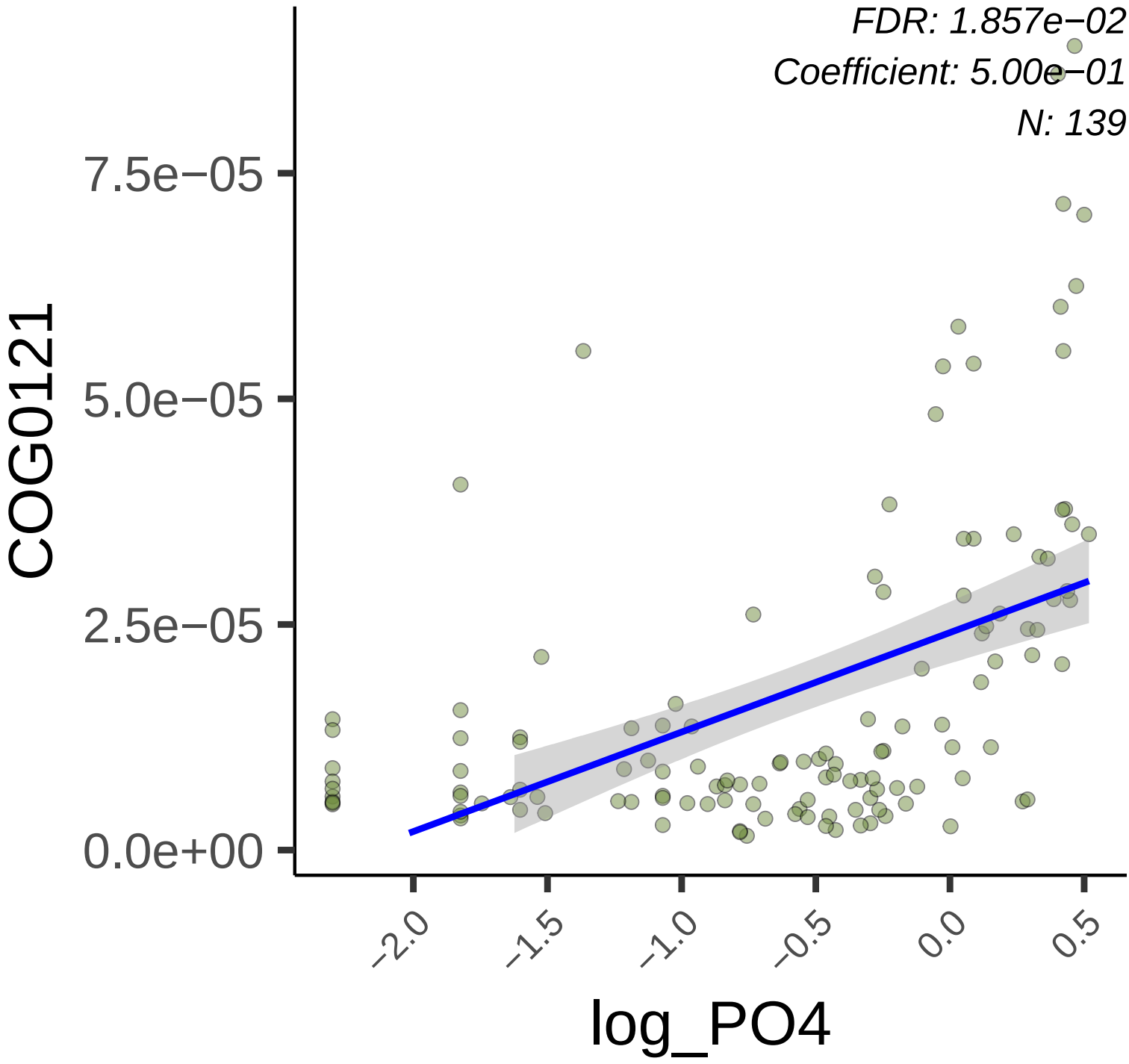
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N: 139
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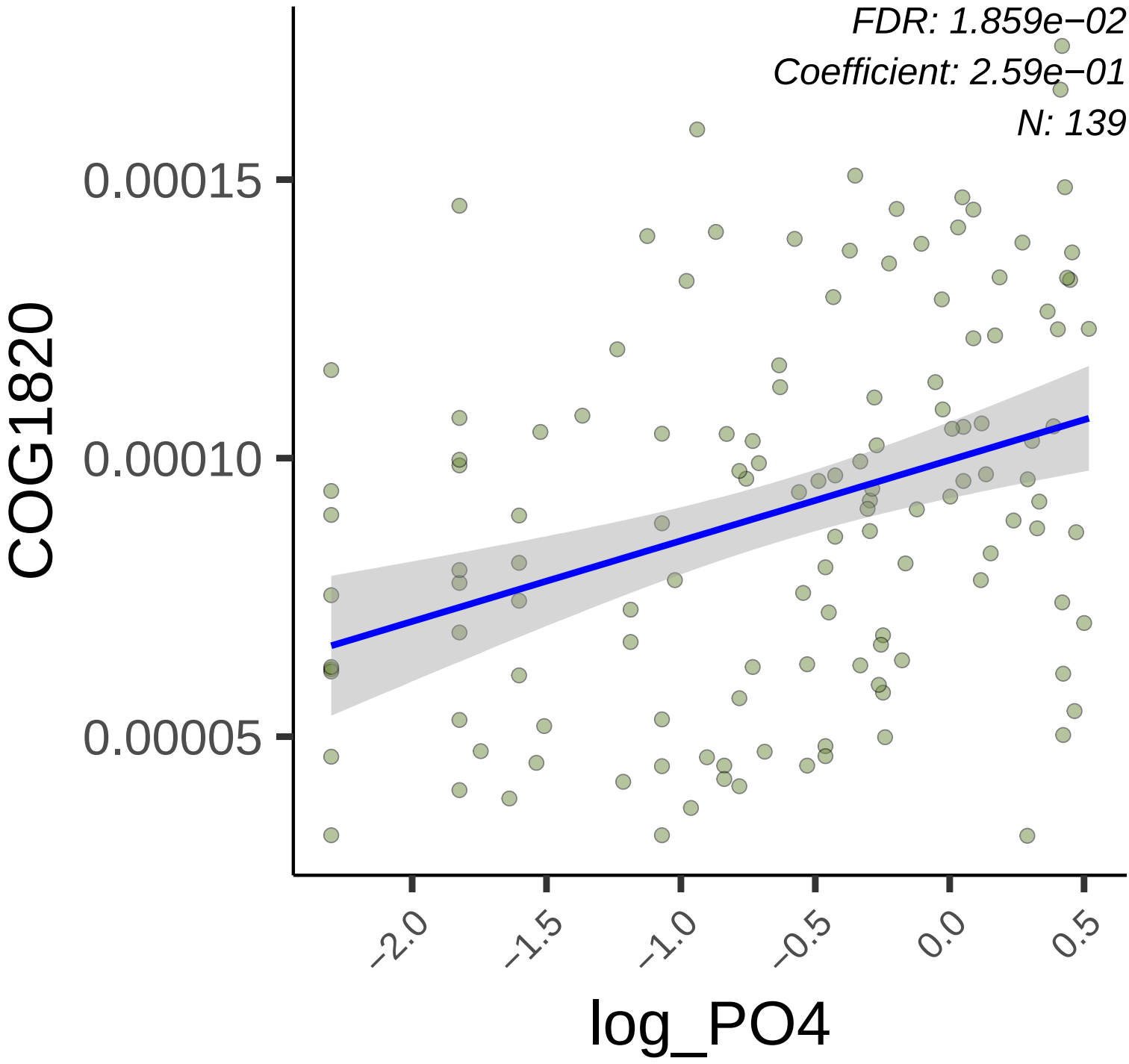
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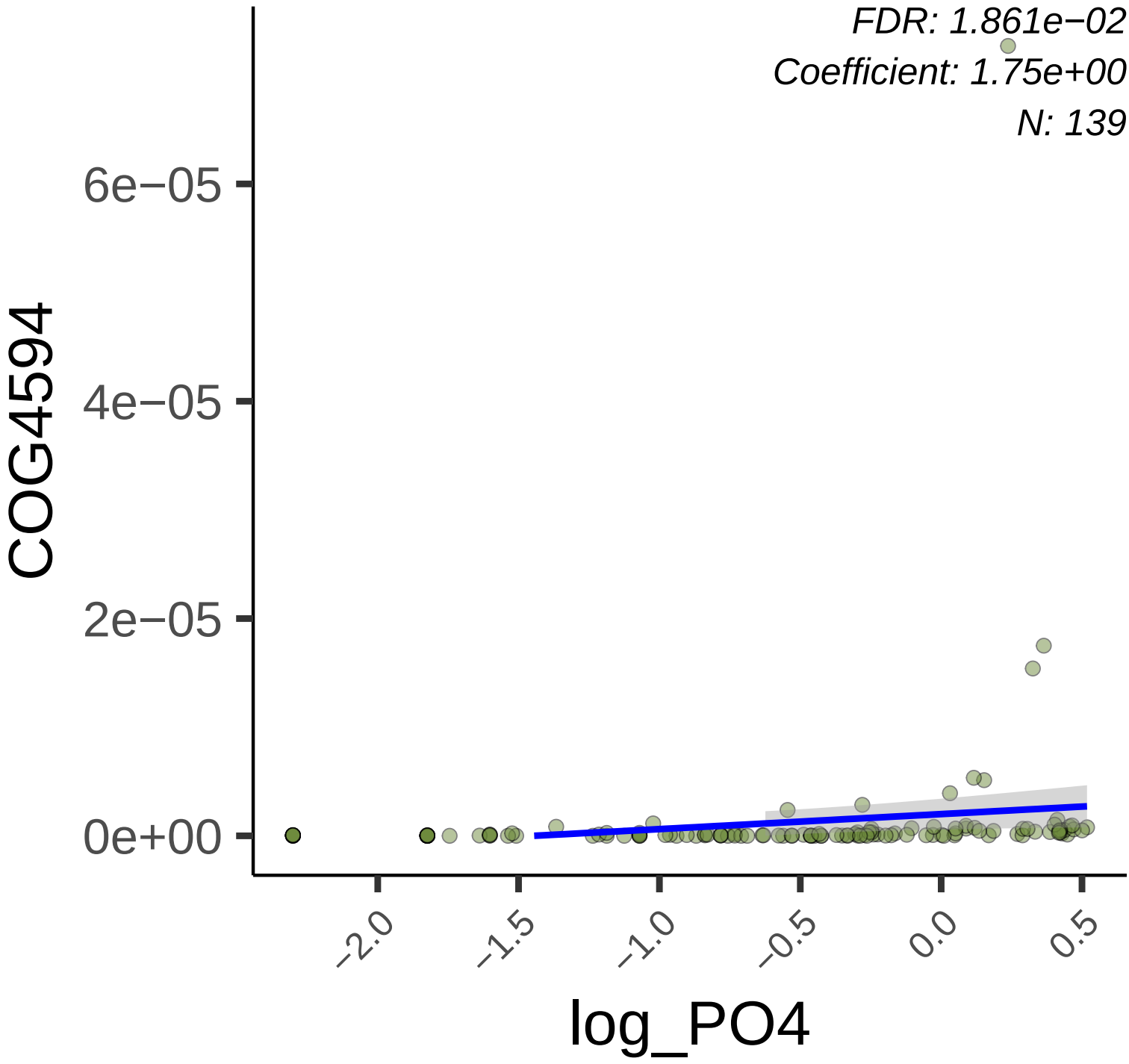
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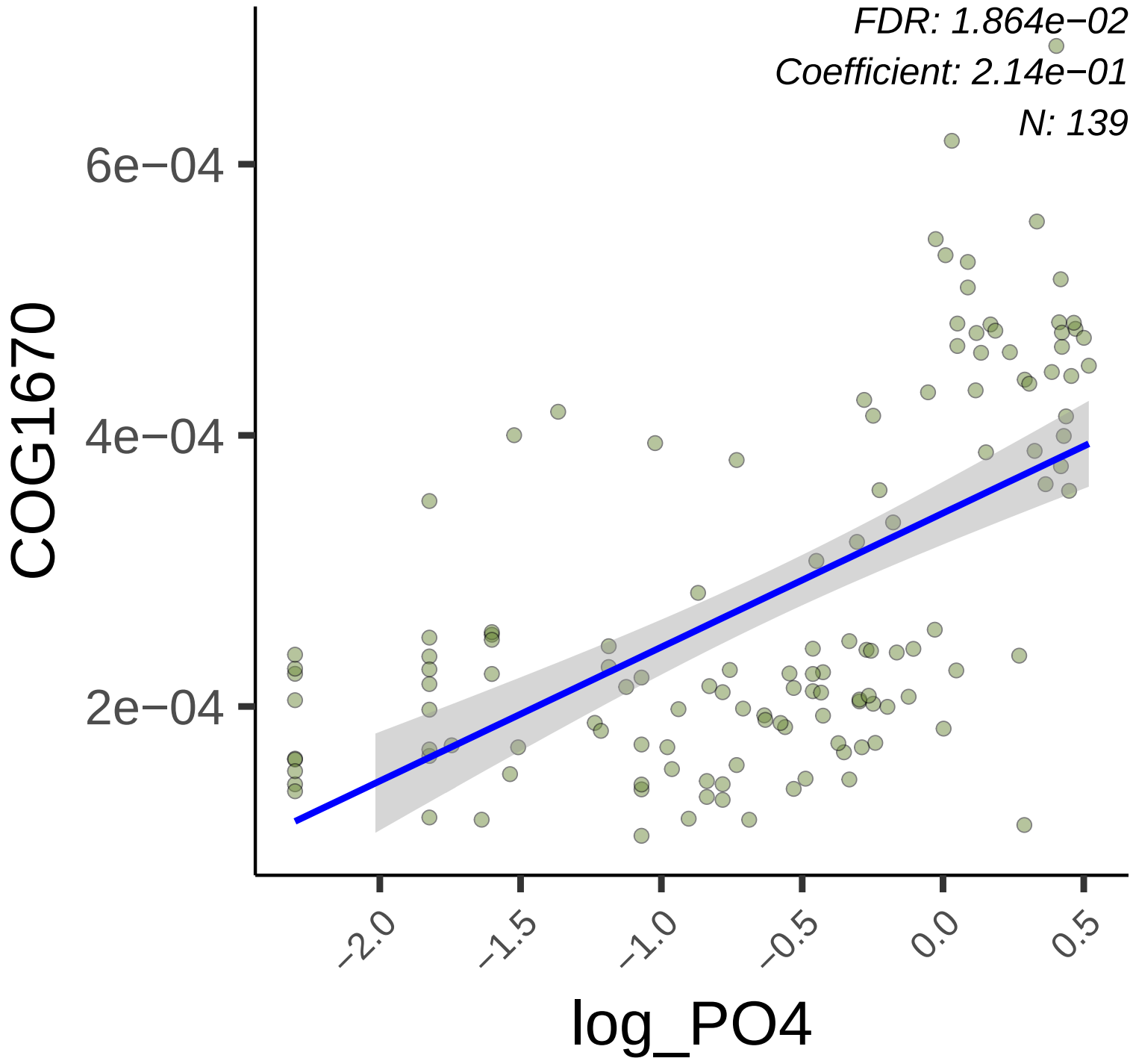
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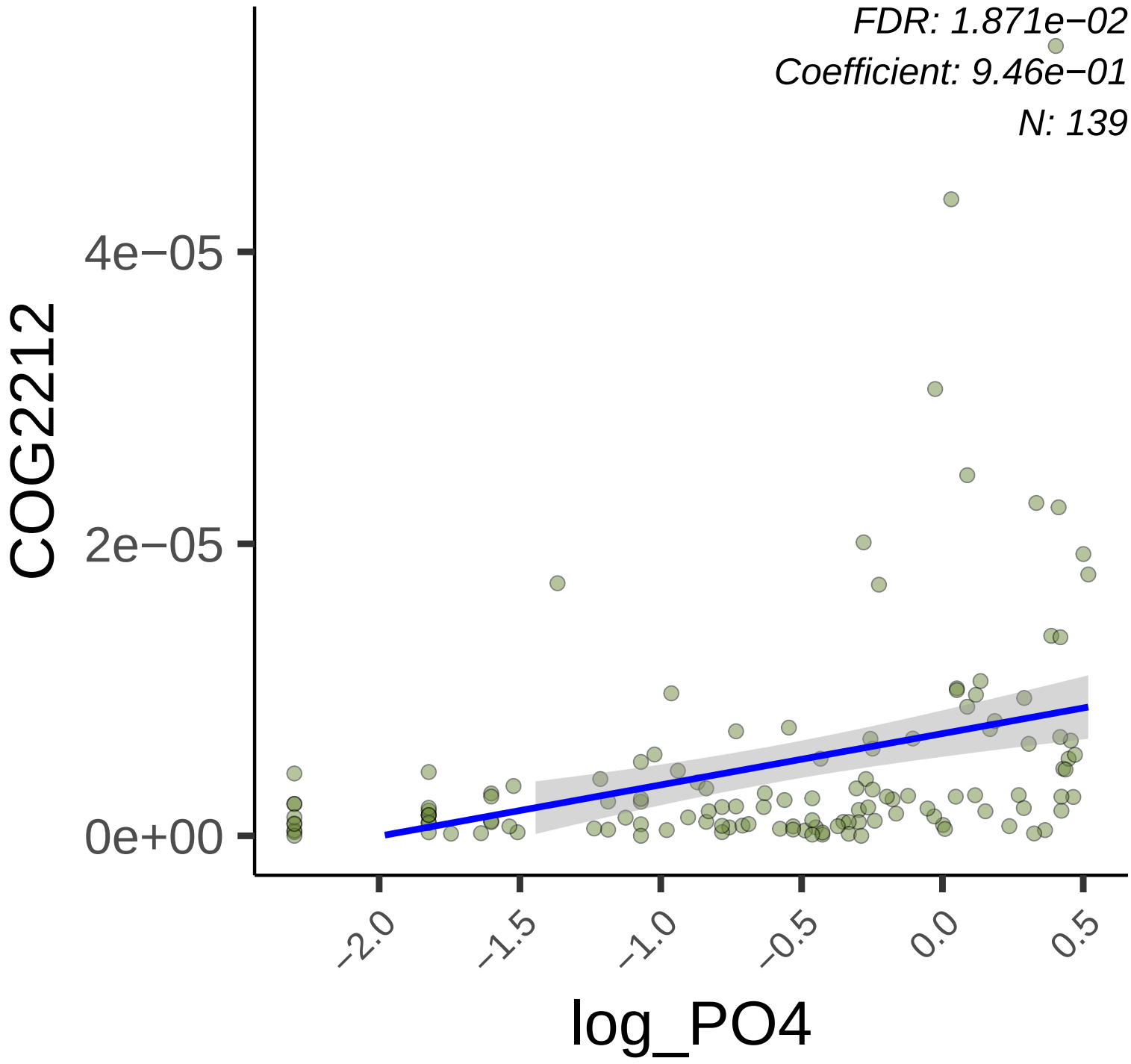
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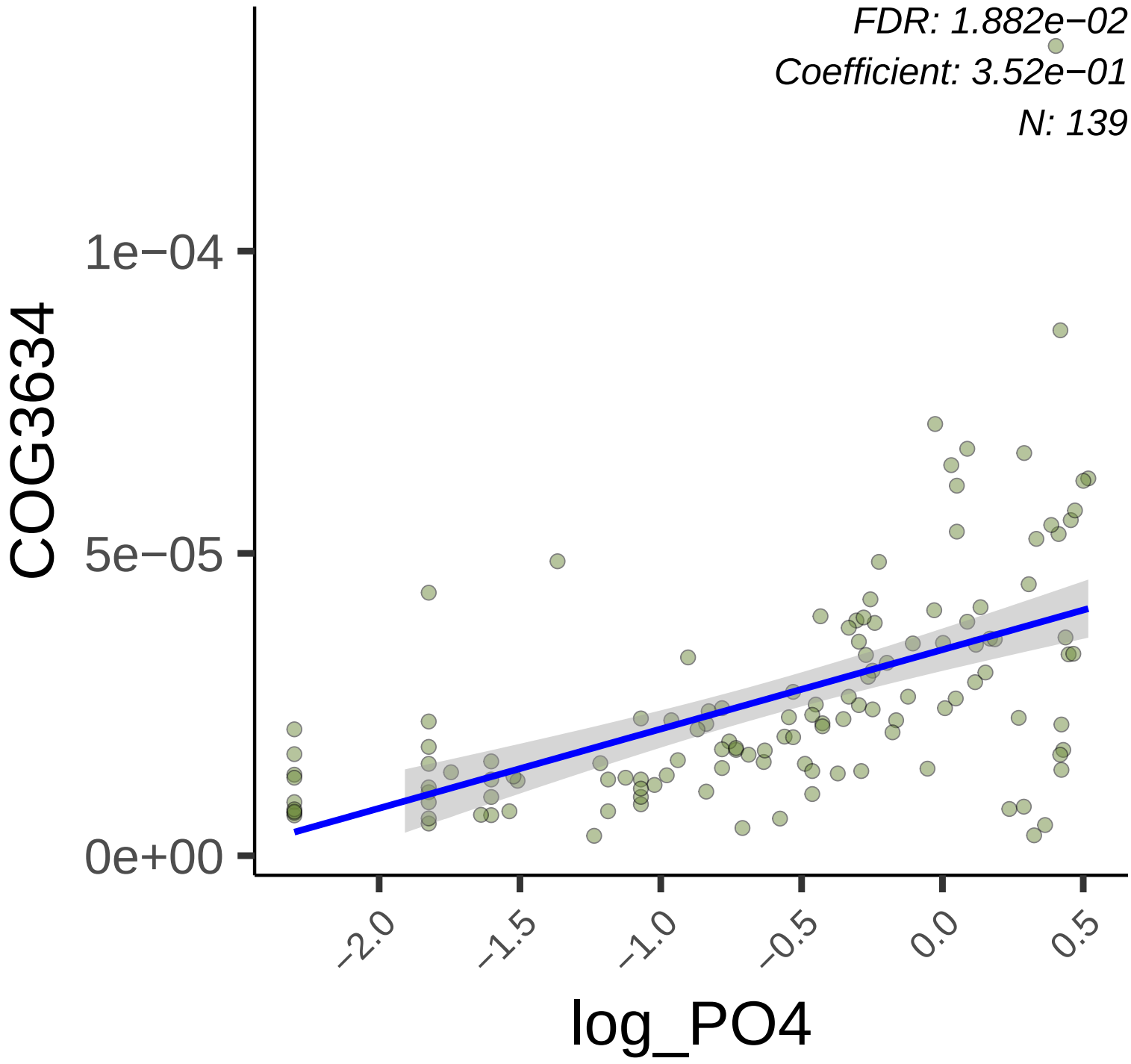
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N: 139
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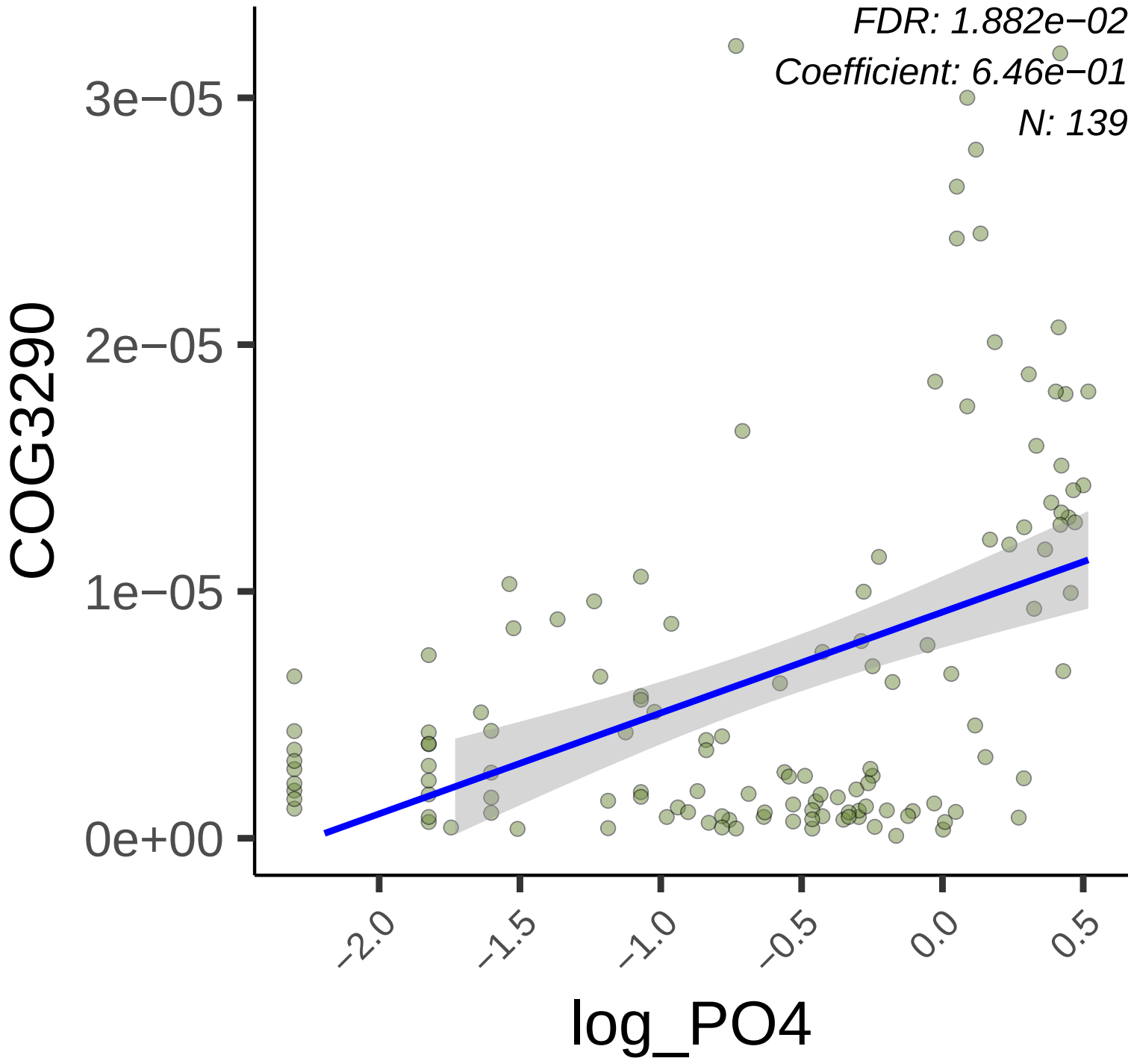
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N: 139
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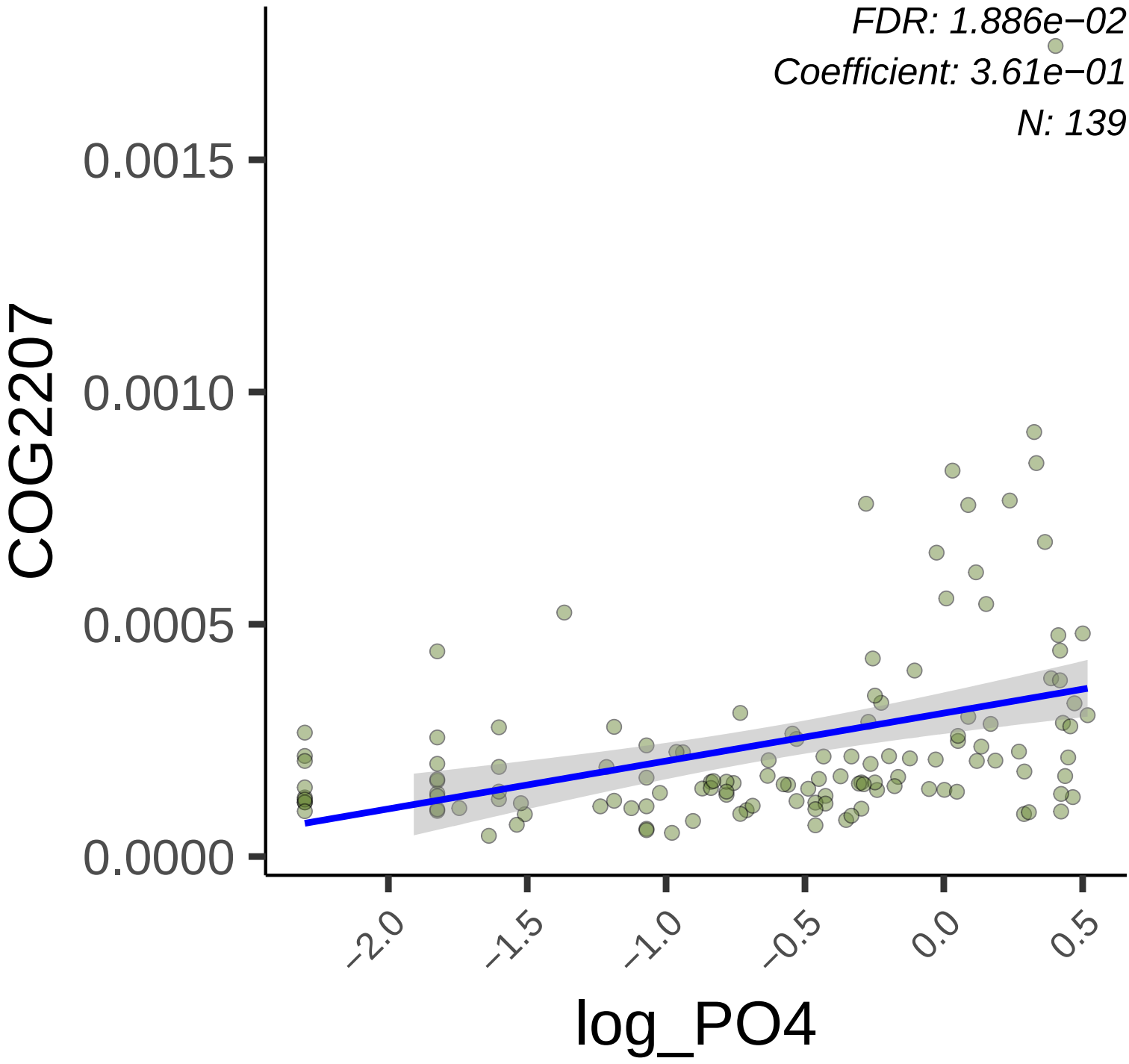
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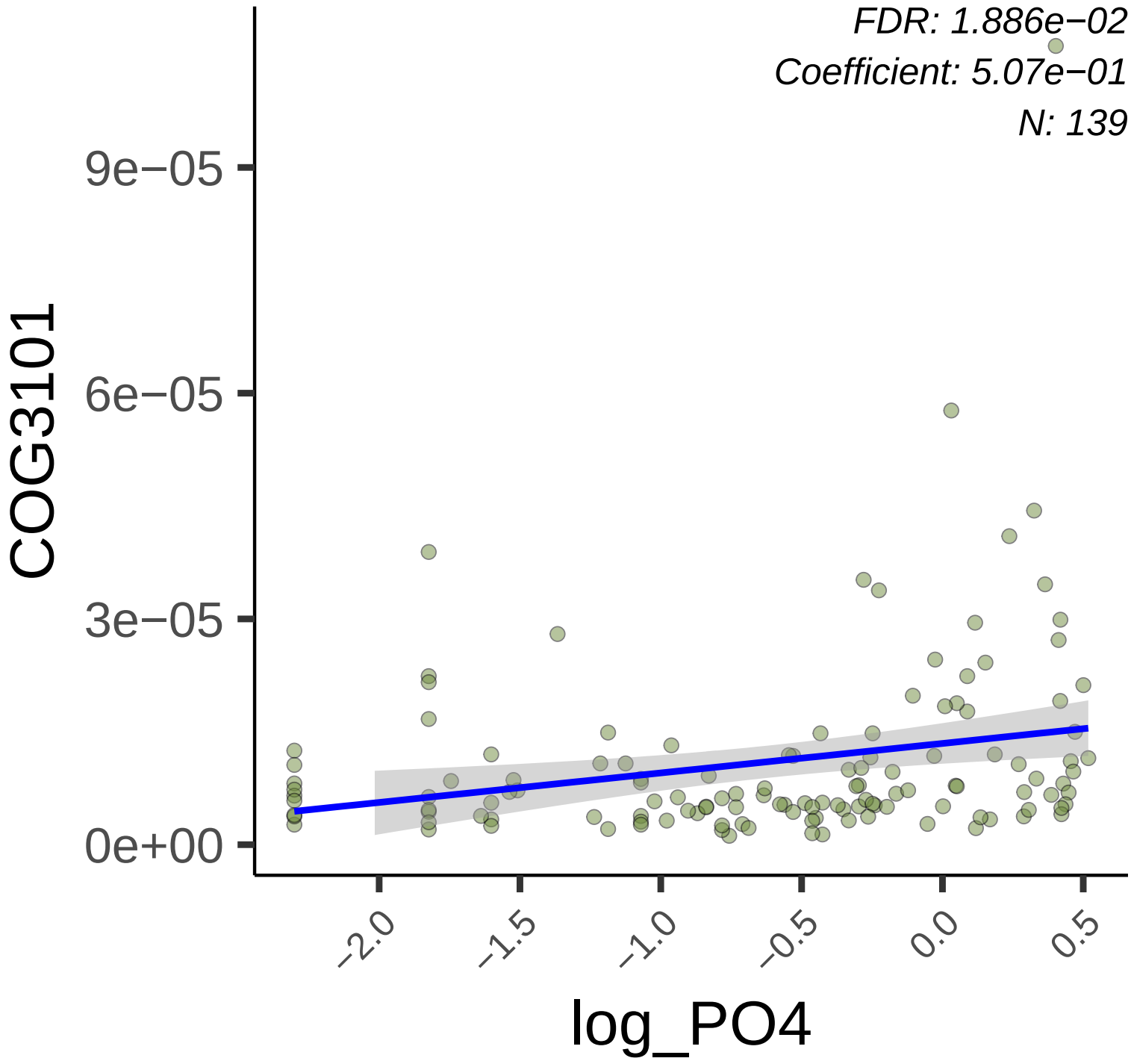
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Coefficient: 5.07e−01
N: 139
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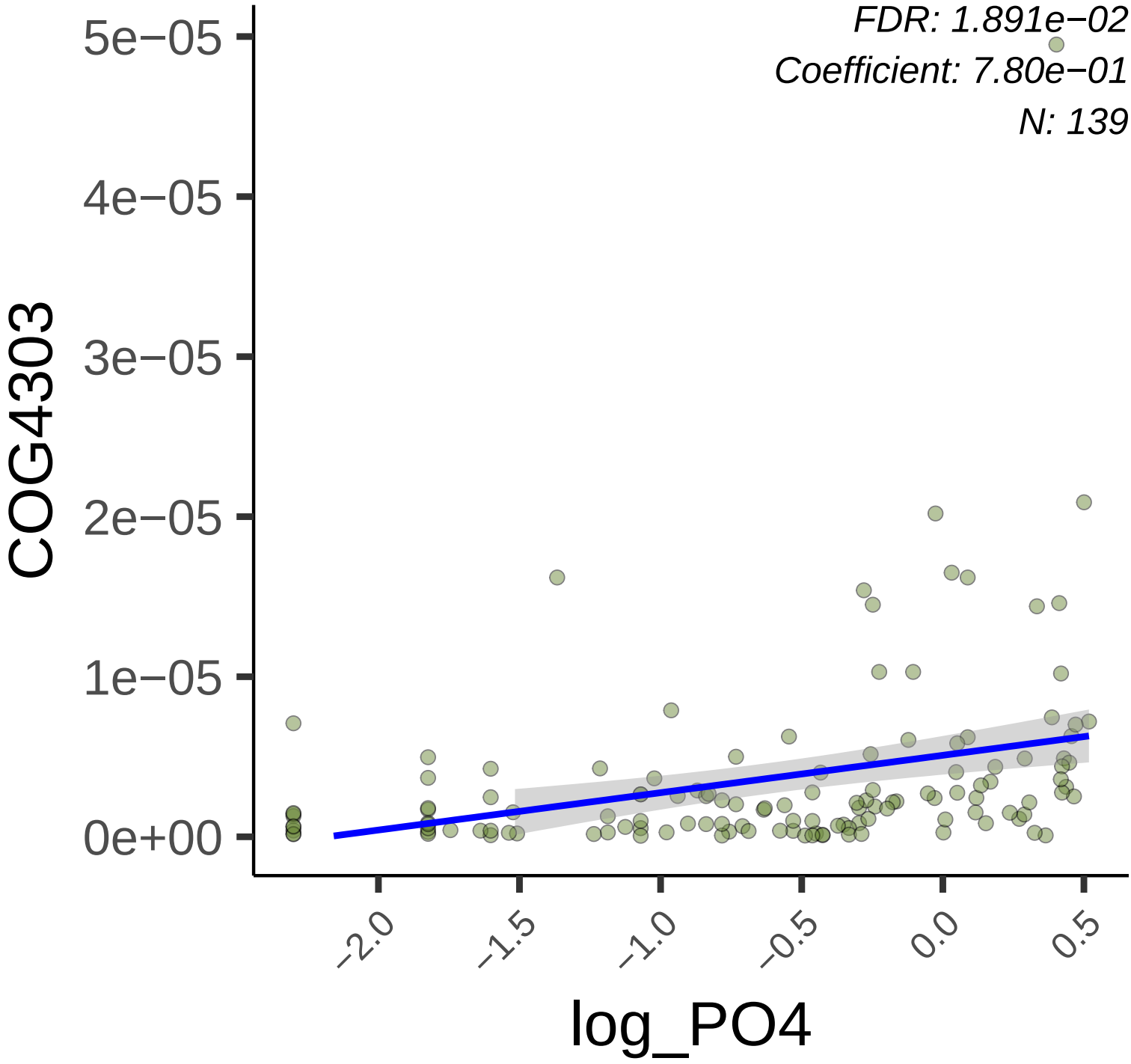
log_PO4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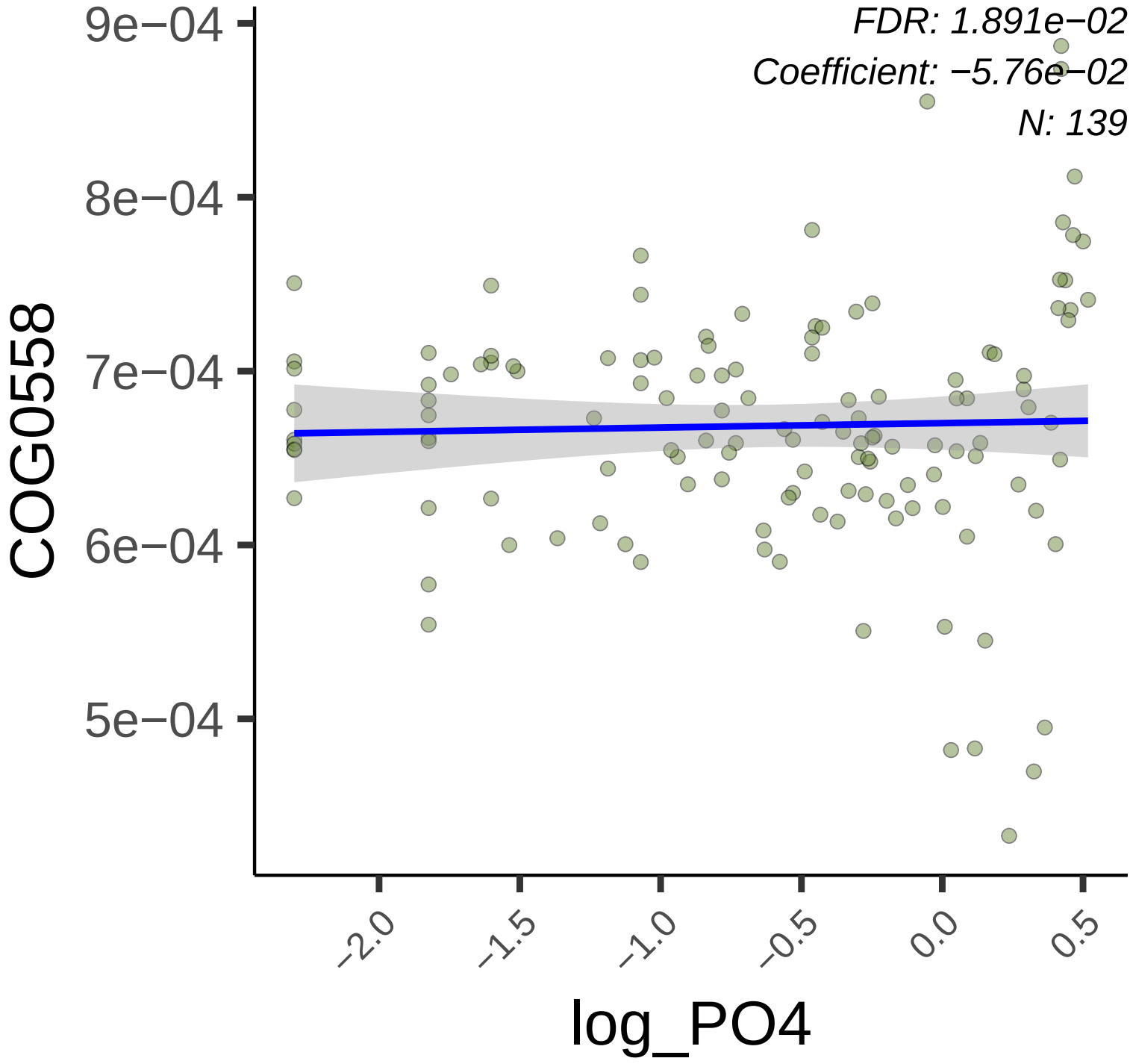
log_PO4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Coefficient: −5.76e−02
N: 139
9e−04
8e−04
7e−04
6e−04
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COG0558
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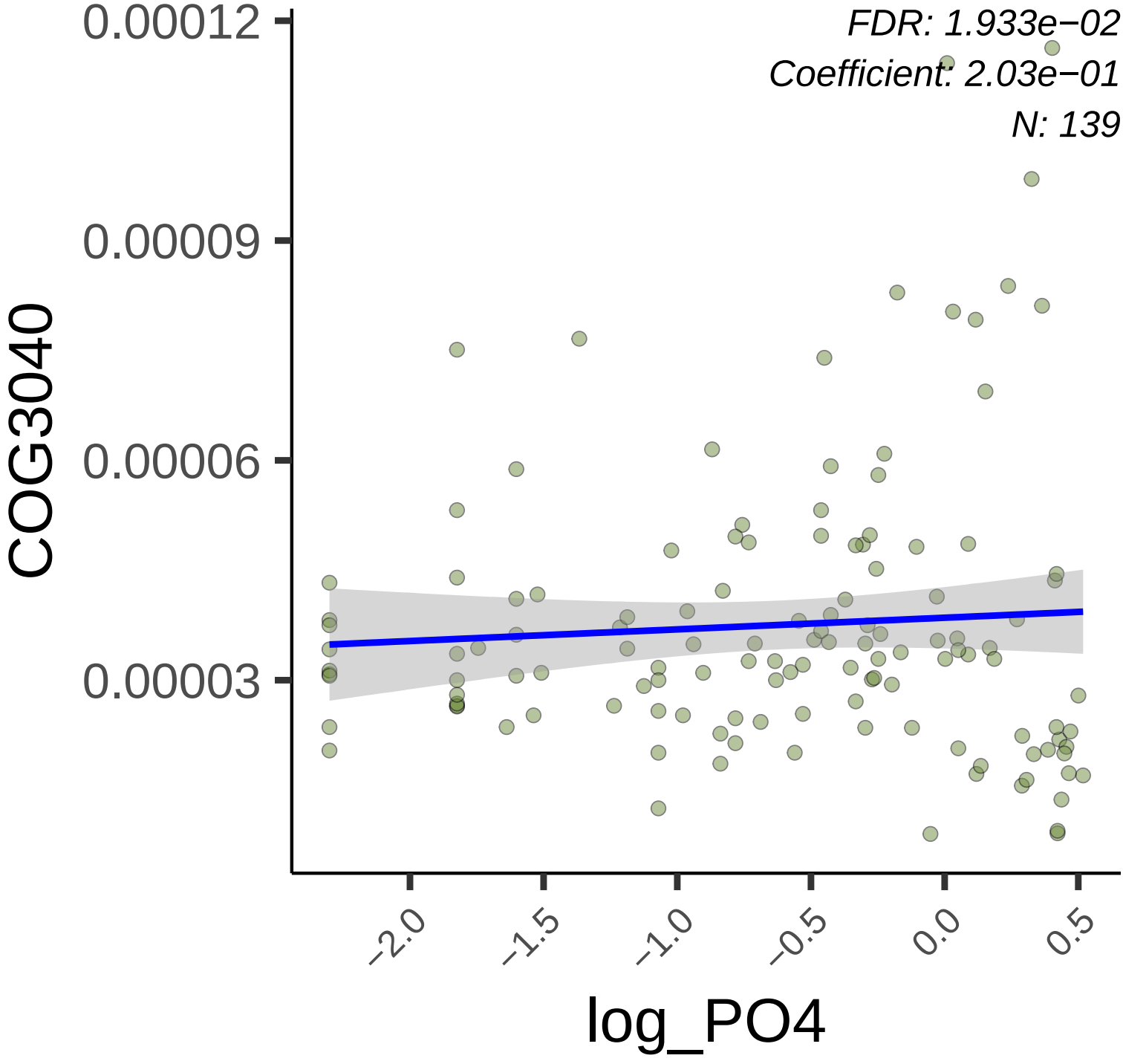
log_PO4


FDR: 1.933e−02
Coefficient: 2.03e−01
N: 139
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COG3040
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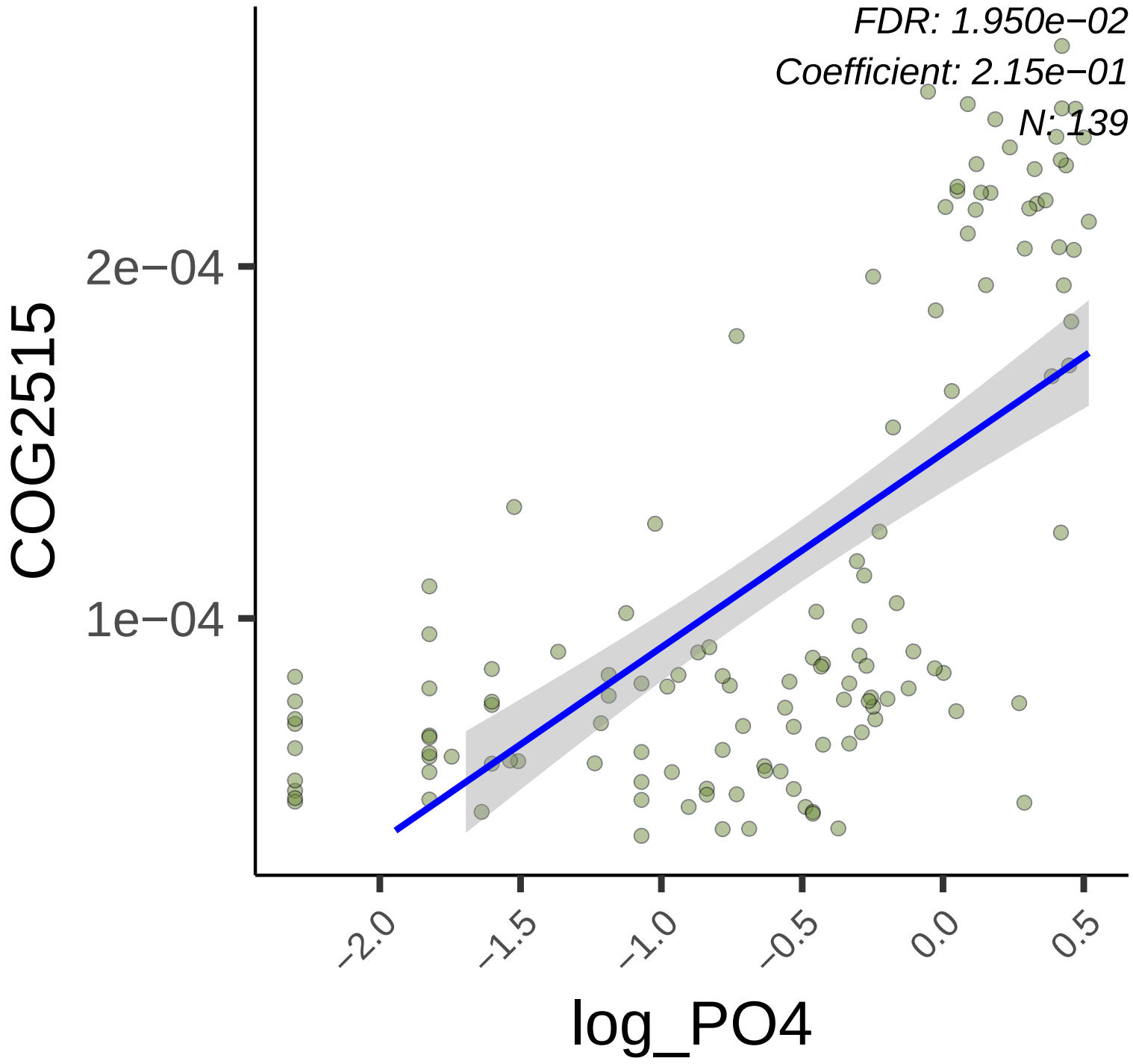
log_PO4


FDR: 1.950e−02
Coefficient: 2.15e−01
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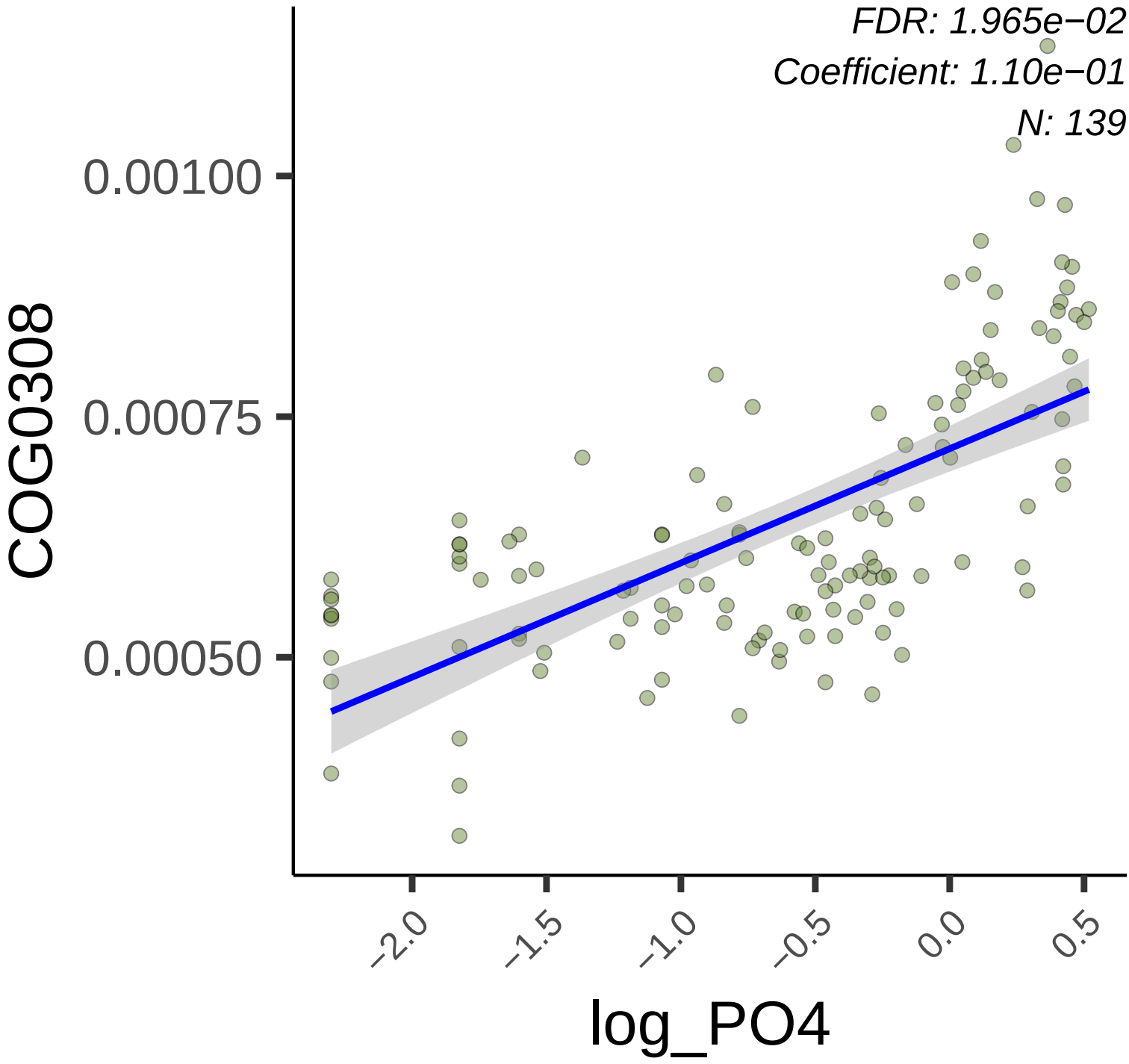
log_PO4


FDR: 1.965e−02
Coefficient: 1.10e−01
N: 139
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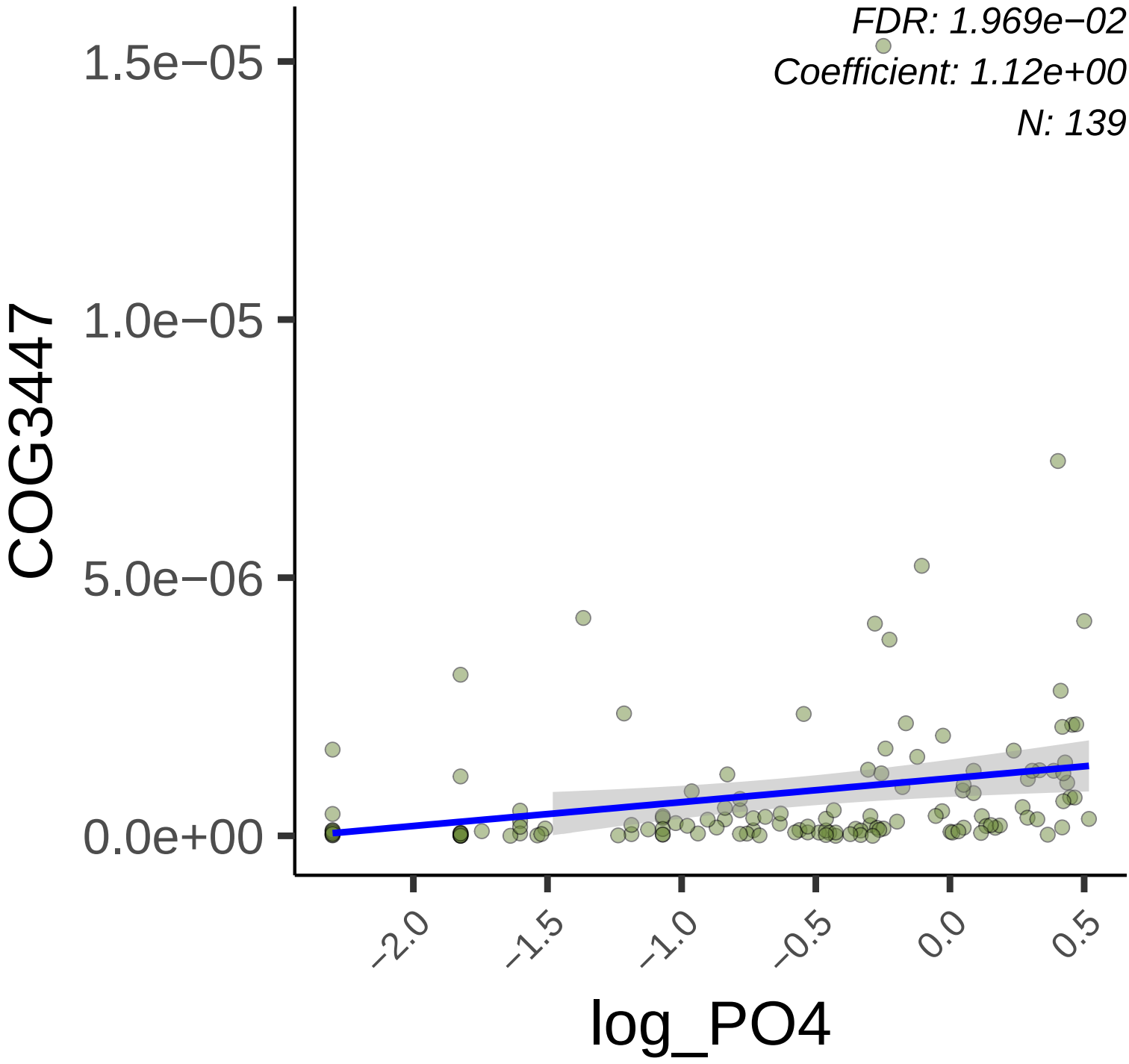
log_PO4


FDR: 1.969e−02
Coefficient: 1.12e+00
N: 139
1.5e−05
1.0e−05
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COG3447
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−1.5
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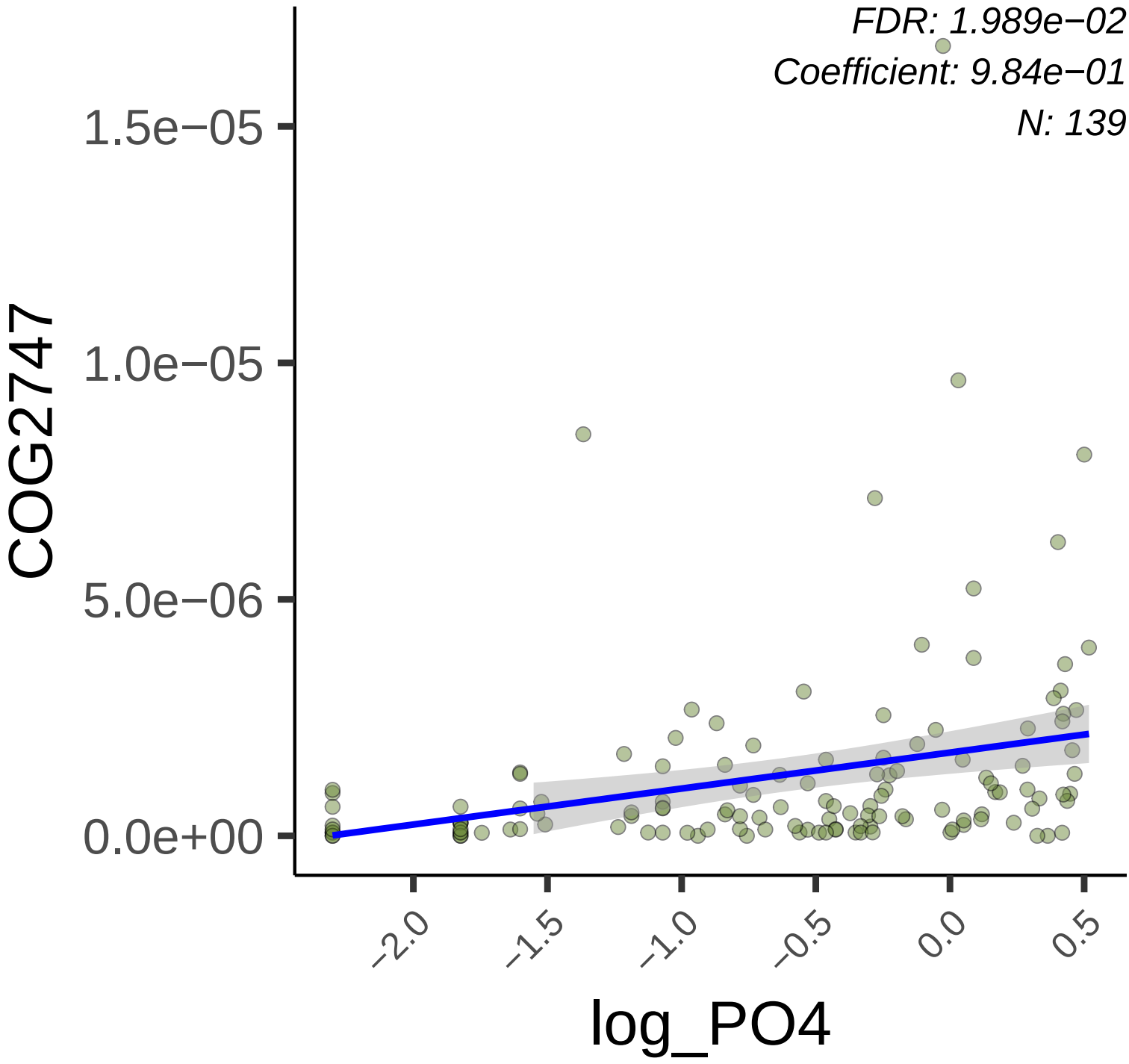
log_PO4


FDR: 1.989e−02
Coefficient: 9.84e−01
N: 139
COG2747
1.5e−05
1.0e−05
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0.0e+00
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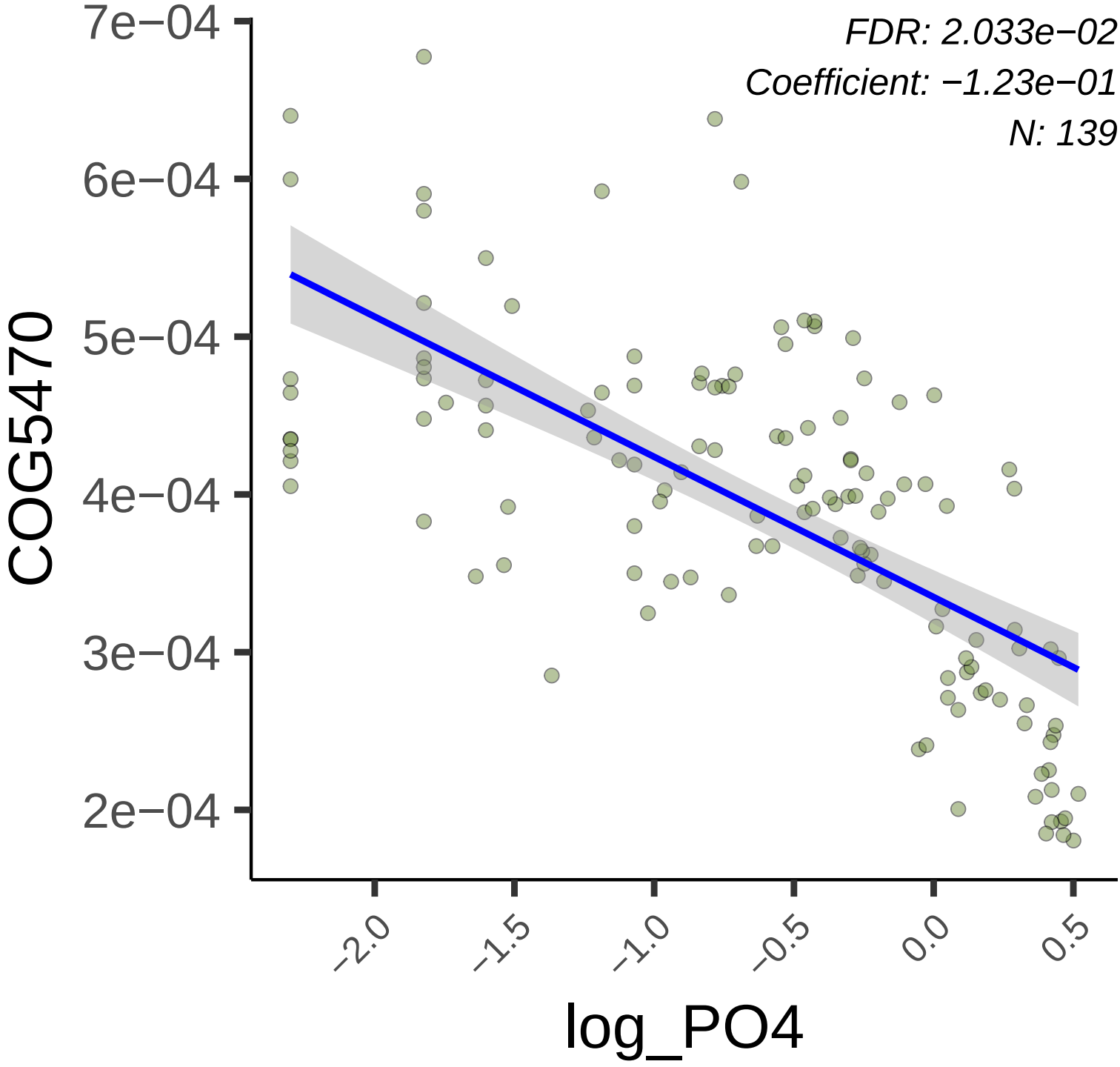
log_PO4


FDR: 2.033e−02
Coefficient: −1.23e−01
N: 139
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4e−04
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COG5470
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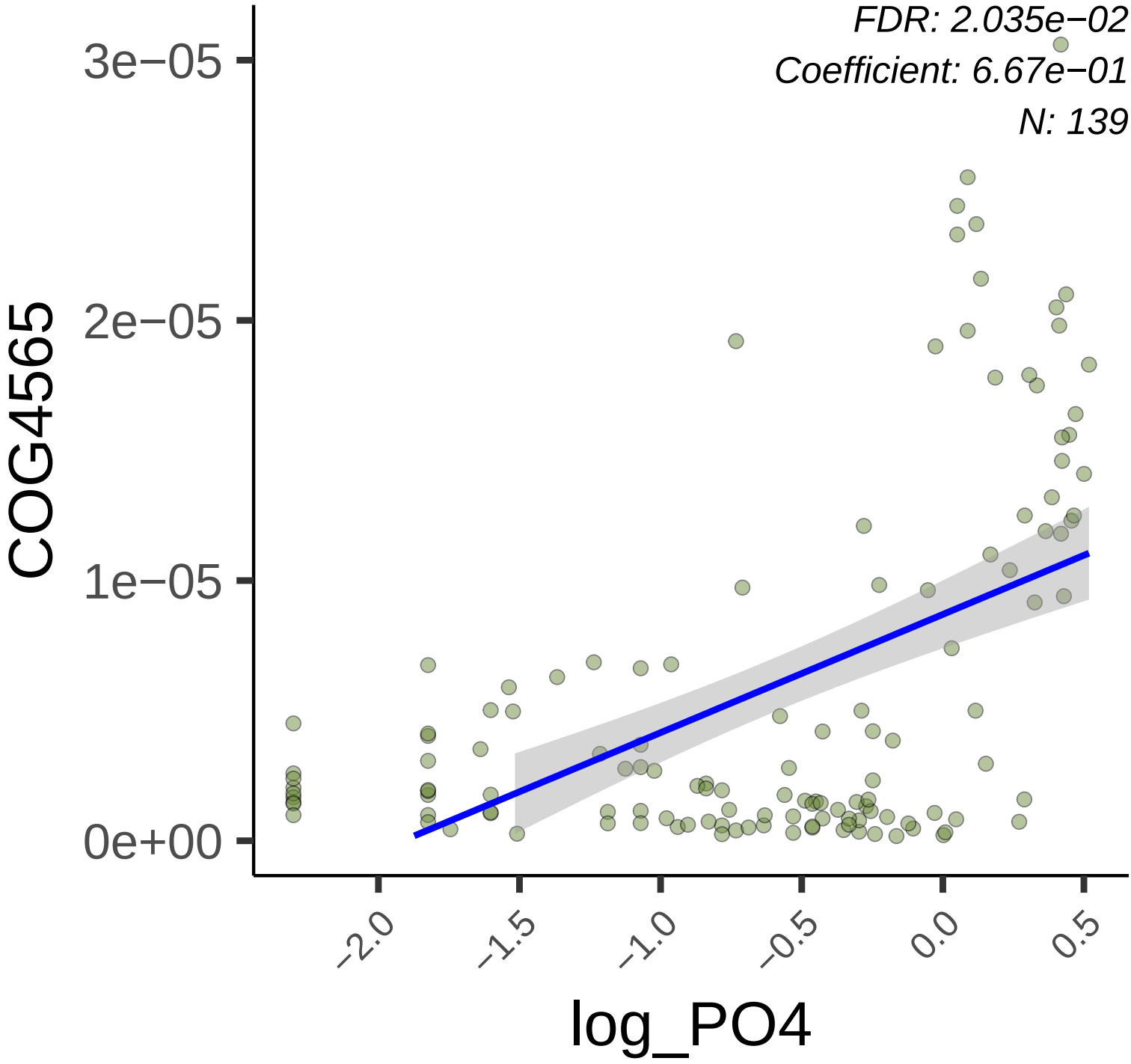
log_PO4


FDR: 2.035e−02
Coefficient: 6.67e−01
N: 139
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2e−05
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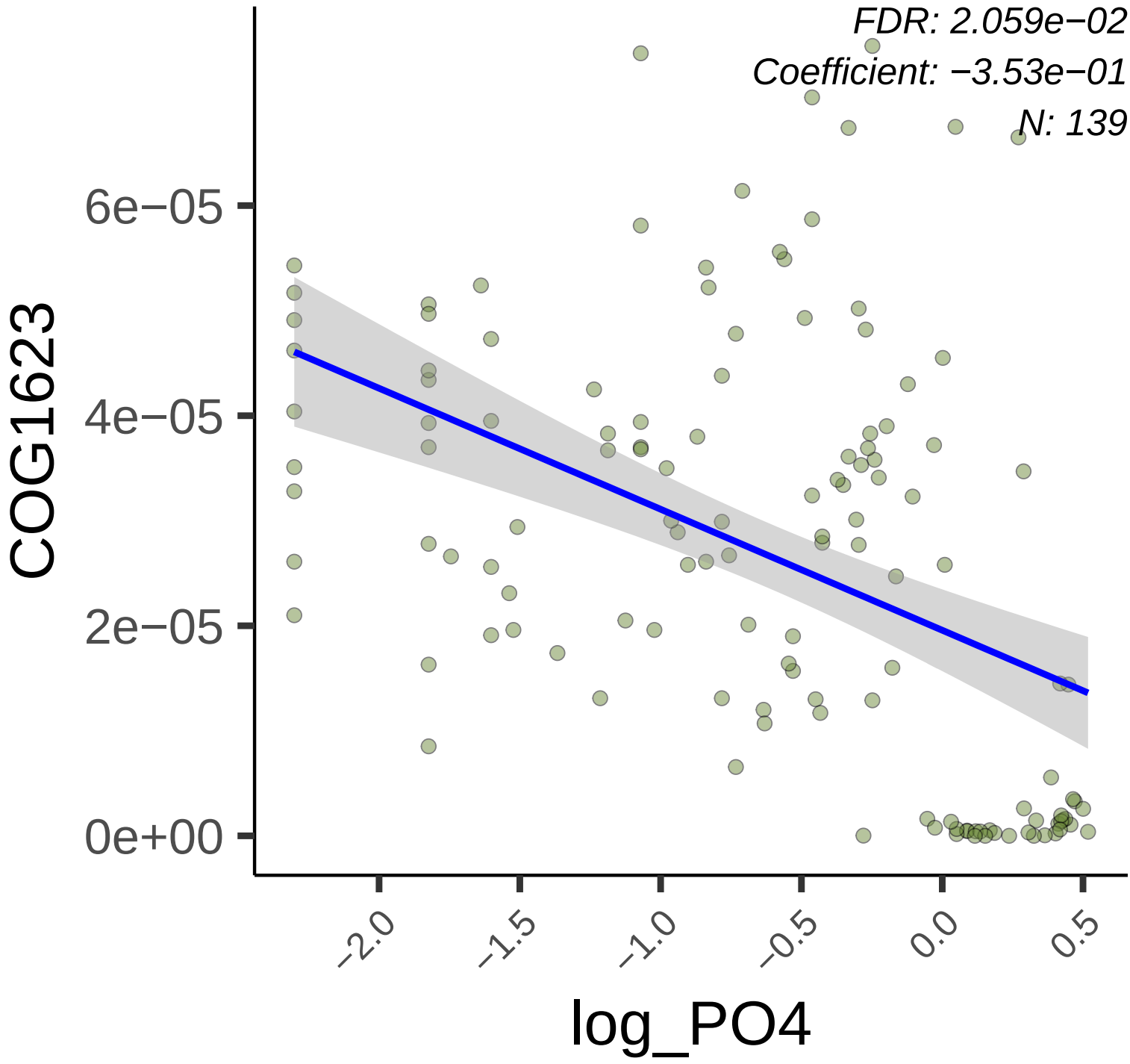
log_PO4


FDR: 2.059e−02
Coefficient: −3.53e−01
N: 139
COG1623
6e−05
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−1.5
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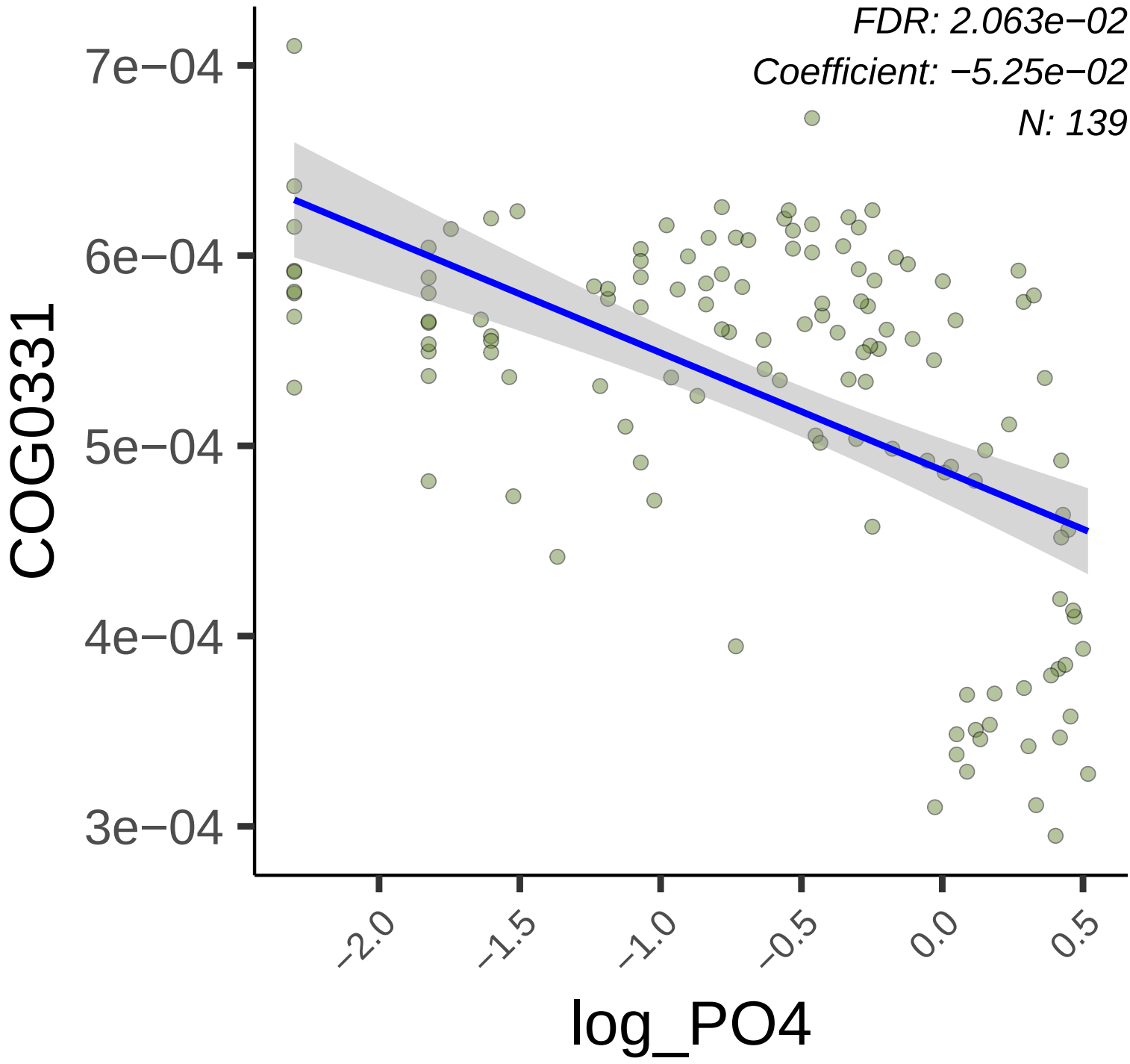
log_PO4


FDR: 2.063e−02
Coefficient: −5.25e−02
N: 139
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6e−04
5e−04
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COG0331
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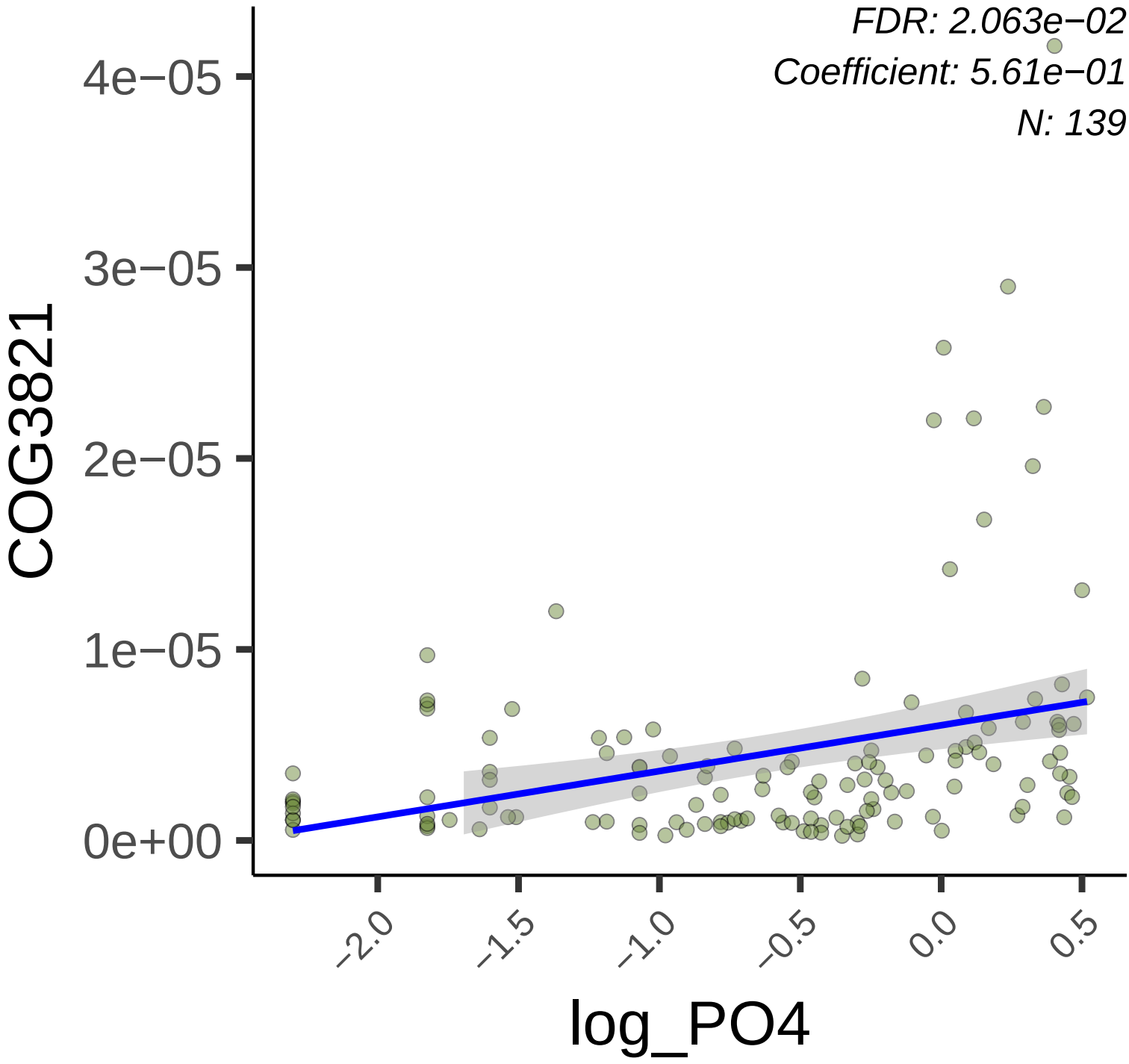
log_PO4


FDR: 2.063e−02
Coefficient: 5.61e−01
N: 139
COG3821
4e−05
3e−05
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0e+00
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−1.5
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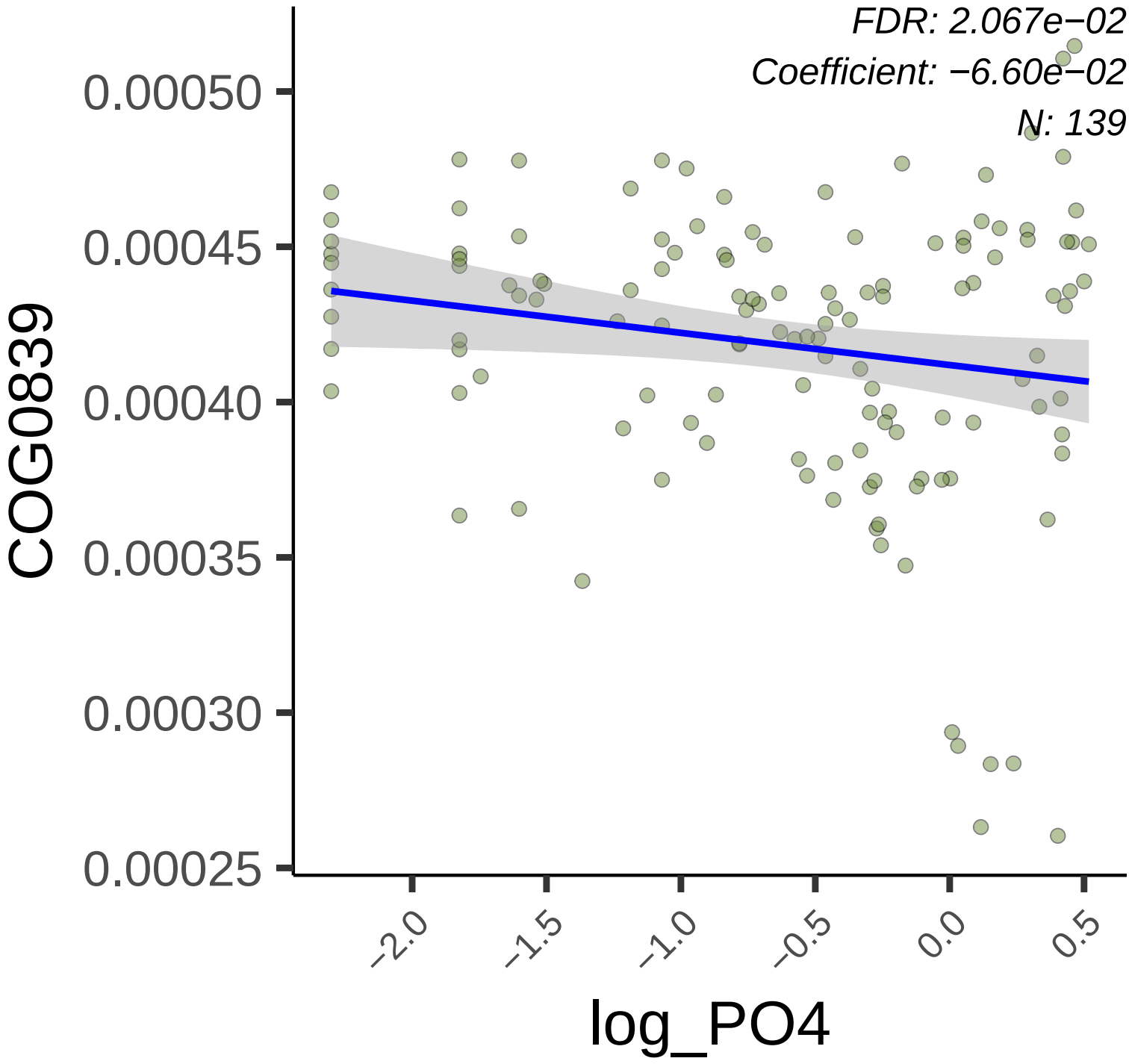
log_PO4


FDR: 2.067e−02
Coefficient: −6.60e−02
N: 139
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0.00035
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COG0839
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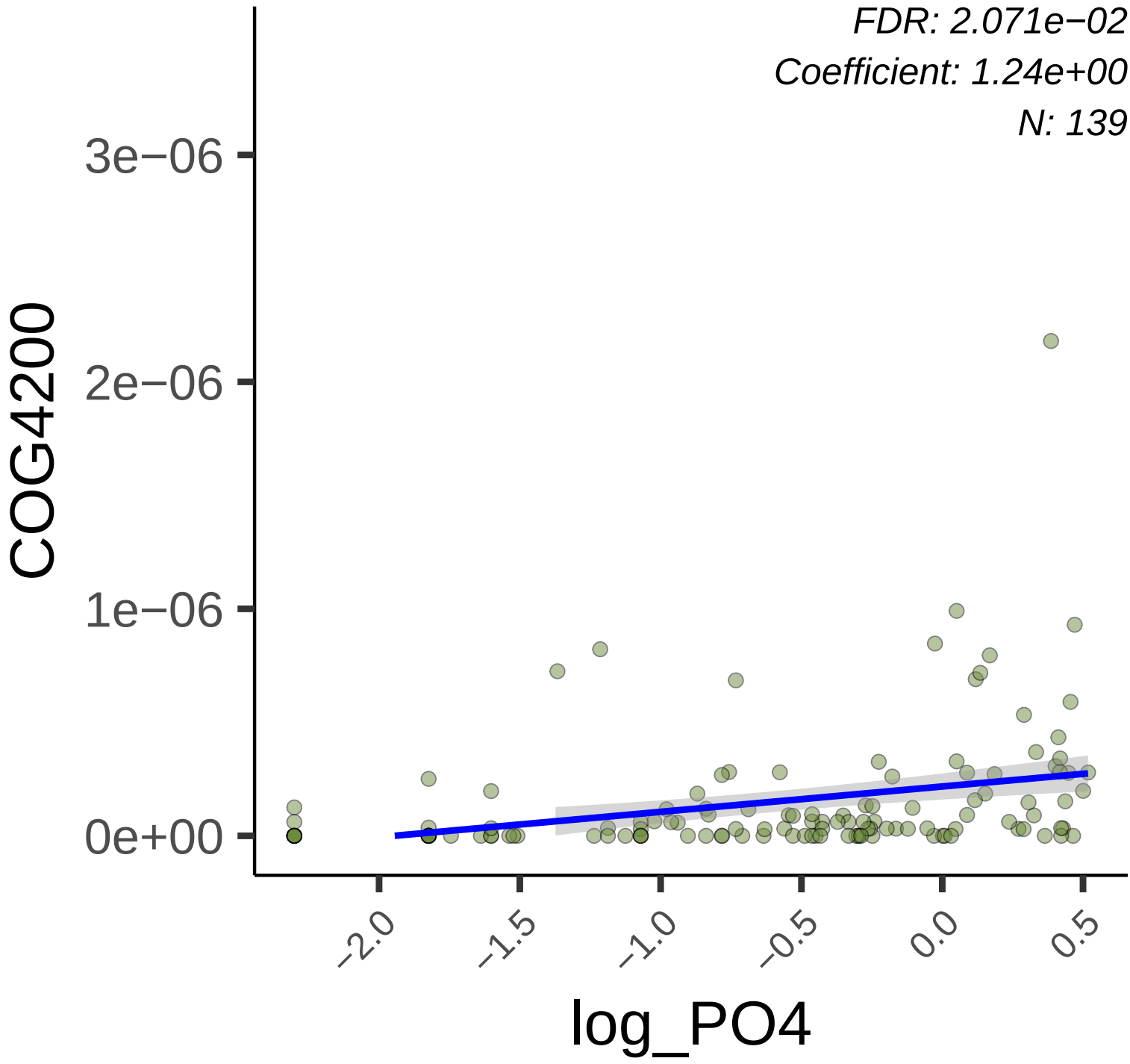
log_PO4


FDR: 2.071e−02
Coefficient: 1.24e+00
N: 139
COG4200
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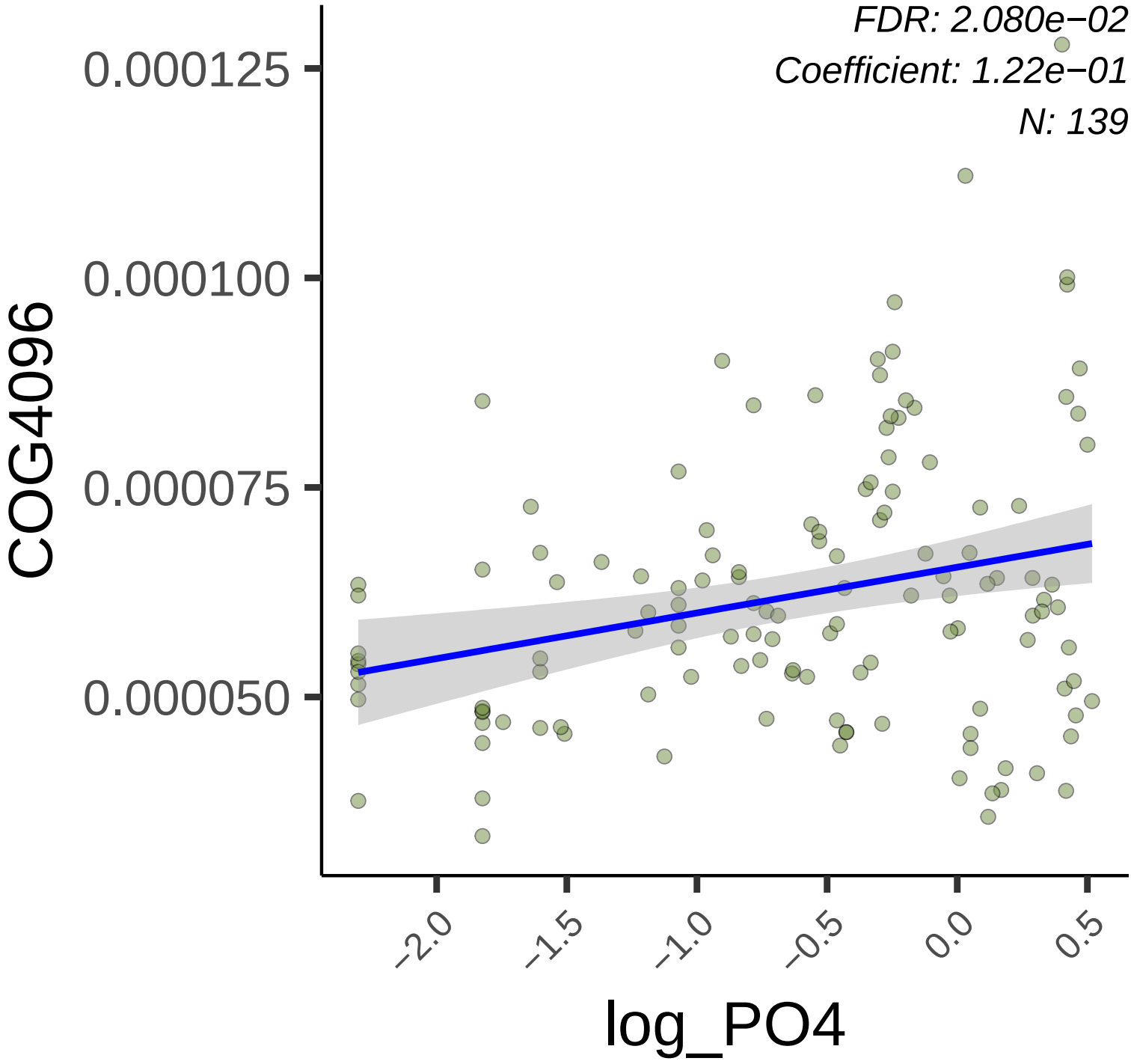
log_PO4


FDR: 2.080e−02
Coefficient: 1.22e−01
N: 139
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0.000075
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−1.5
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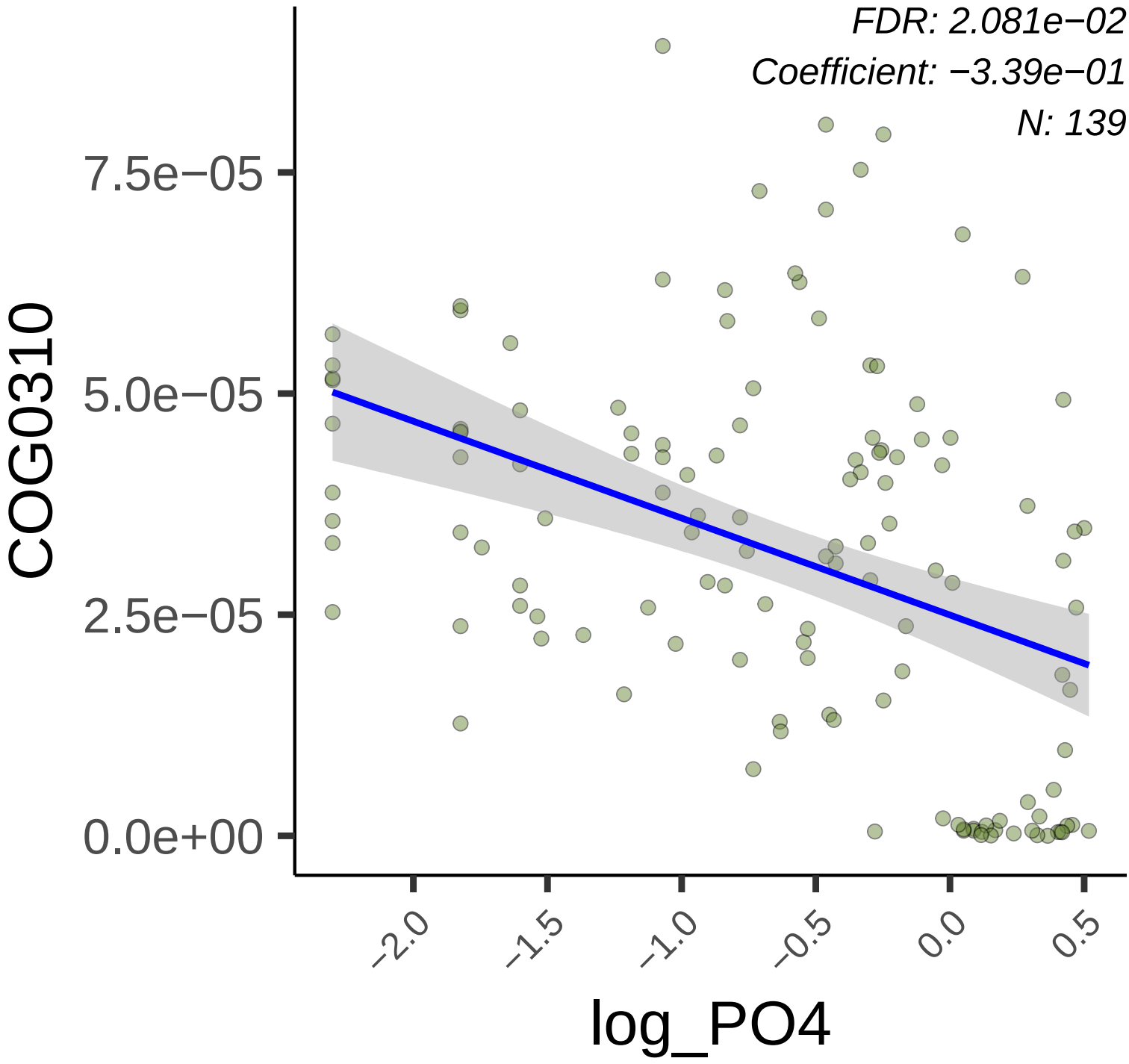
0.5
log_PO4


FDR: 2.081e−02
Coefficient: −3.39e−01
N: 139
7.5e−05
5.0e−05
2.5e−05
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COG0310
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−1.5
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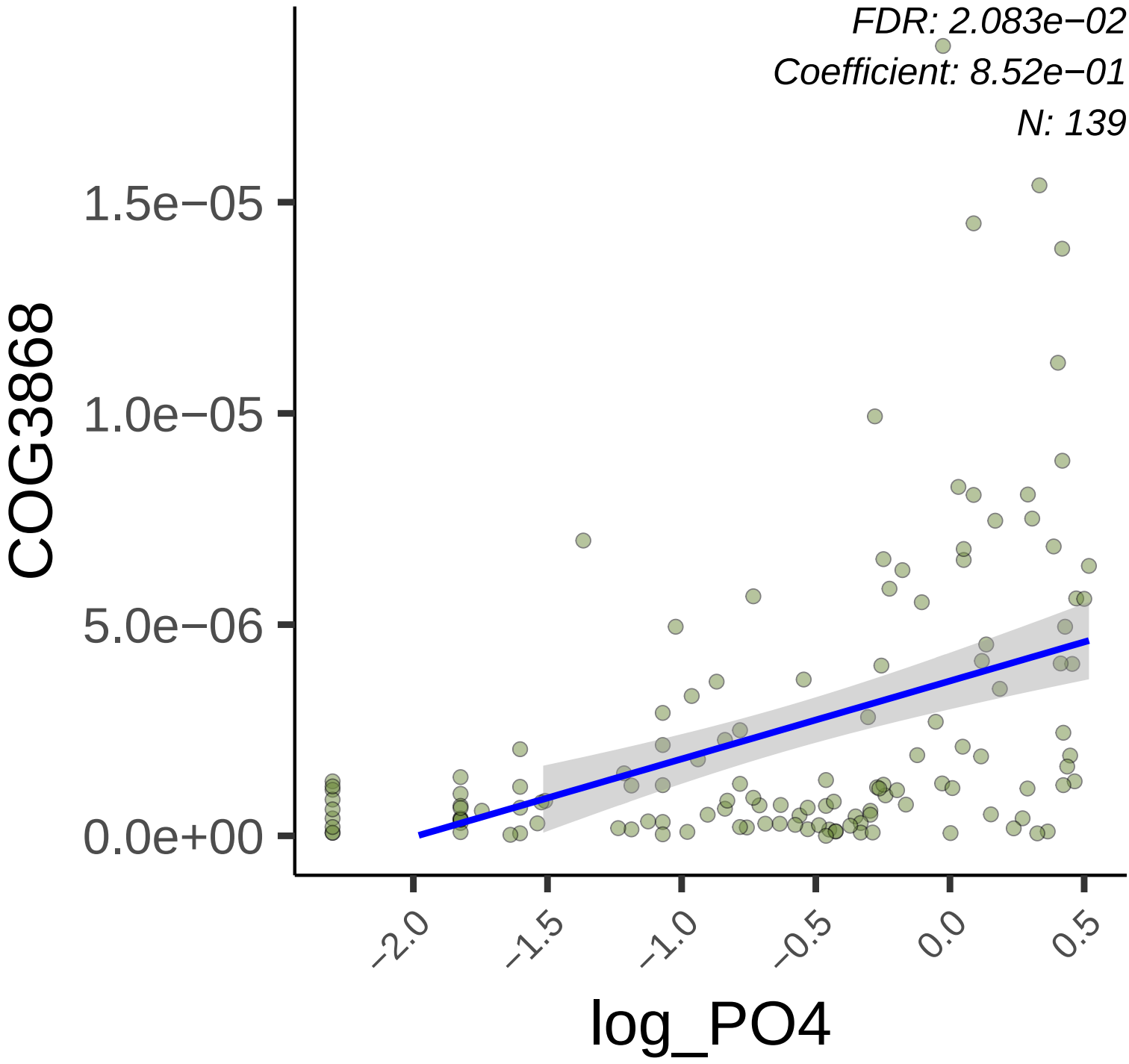
log_PO4


FDR: 2.083e−02
Coefficient: 8.52e−01
N: 139
COG3868
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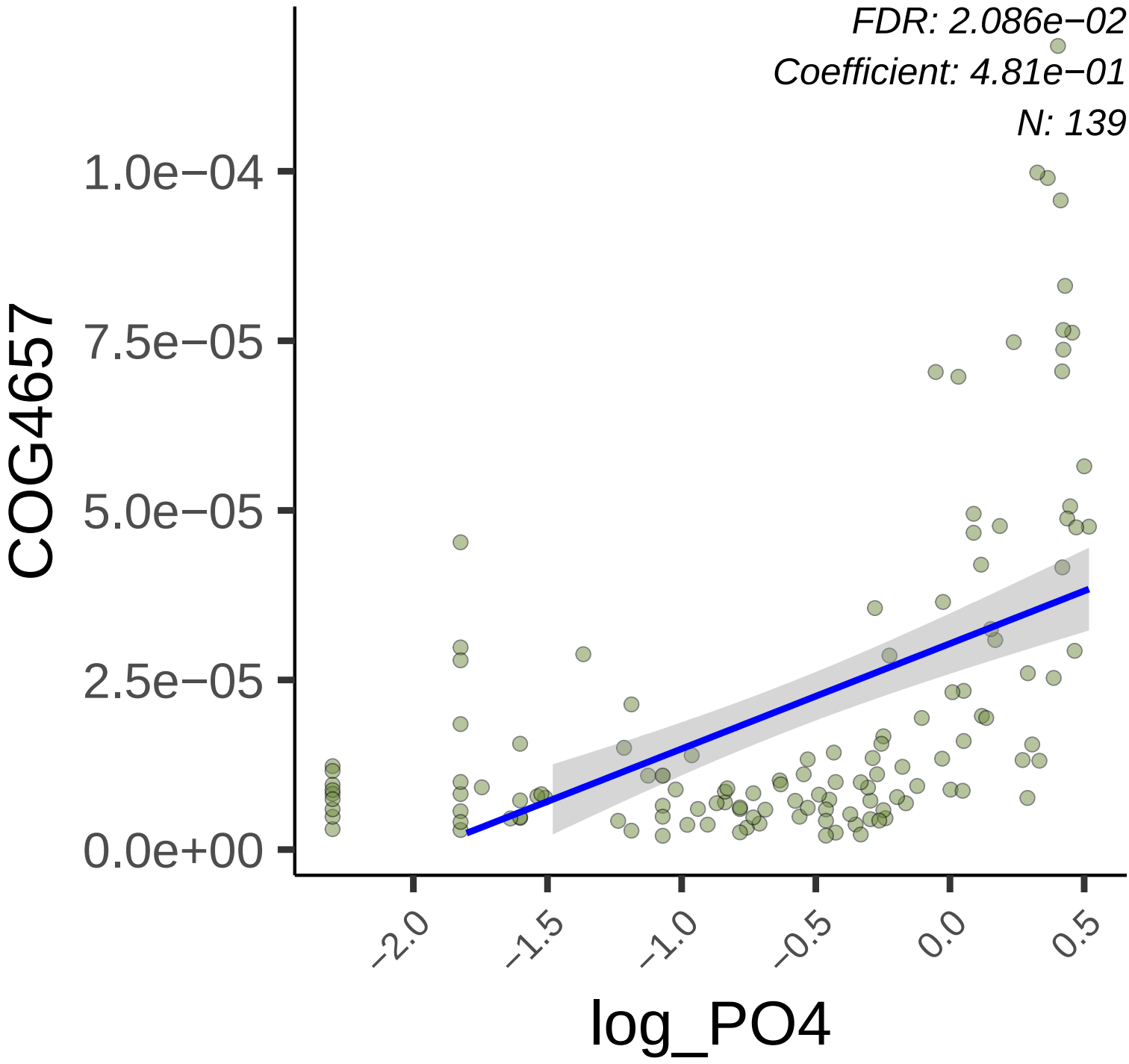
log_PO4


FDR: 2.086e−02
Coefficient: 4.81e−01
N: 139
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5.0e−05
2.5e−05
0.0e+00
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−1.5
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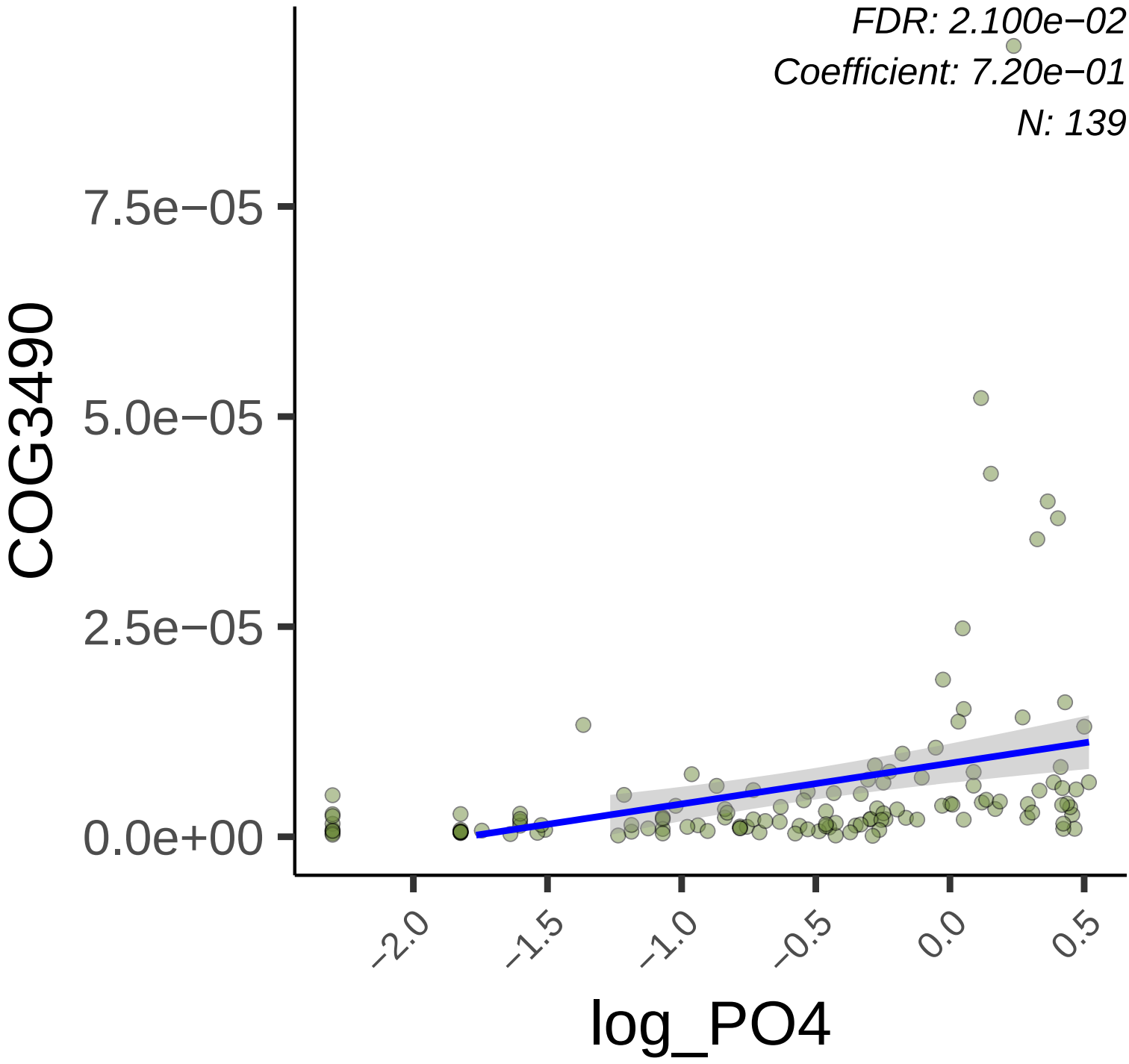
log_PO4


FDR: 2.100e−02
Coefficient: 7.20e−01
N: 139
COG3490
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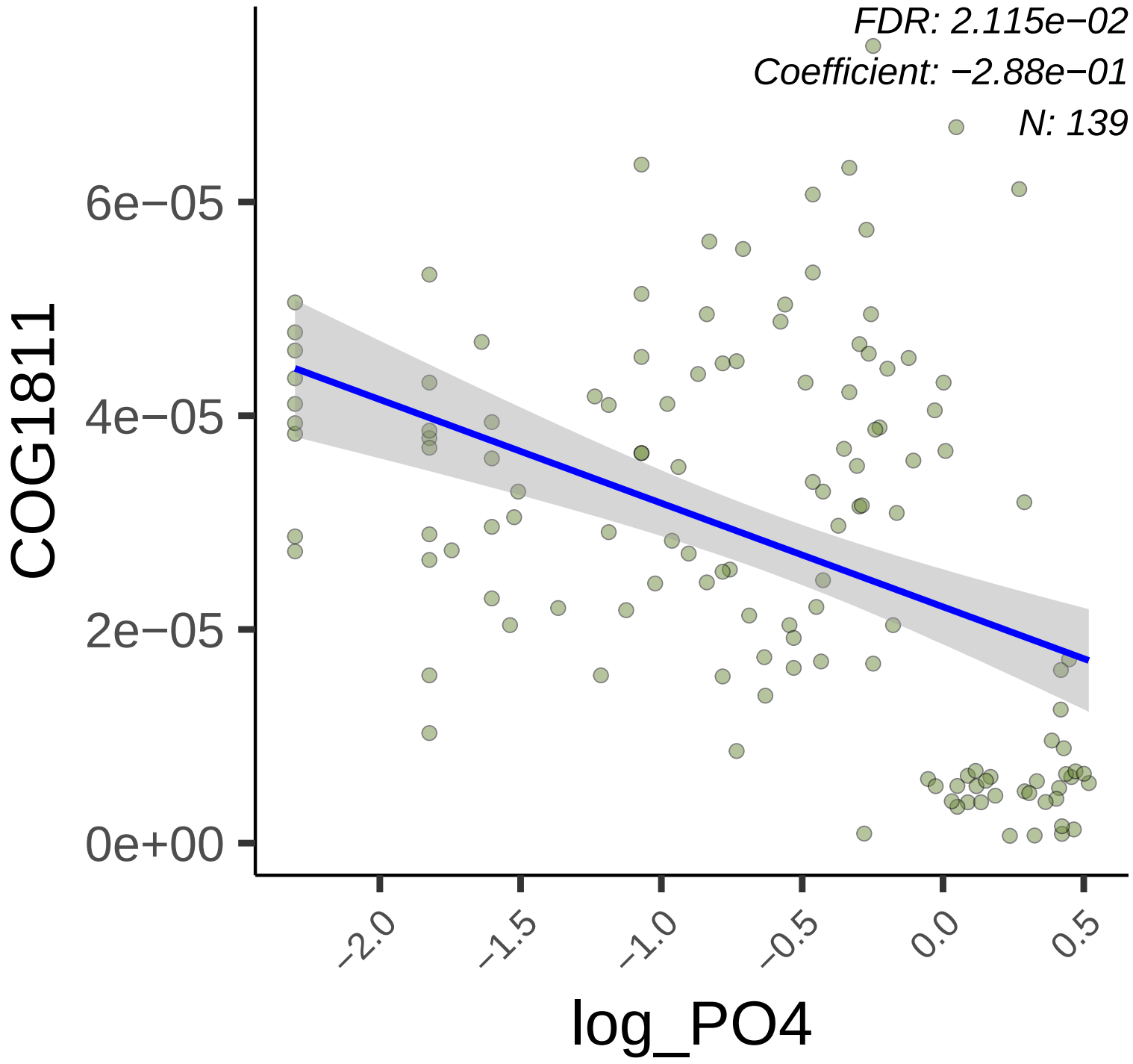
log_PO4


FDR: 2.115e−02
Coefficient: −2.88e−01
N: 139
COG1811
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0e+00
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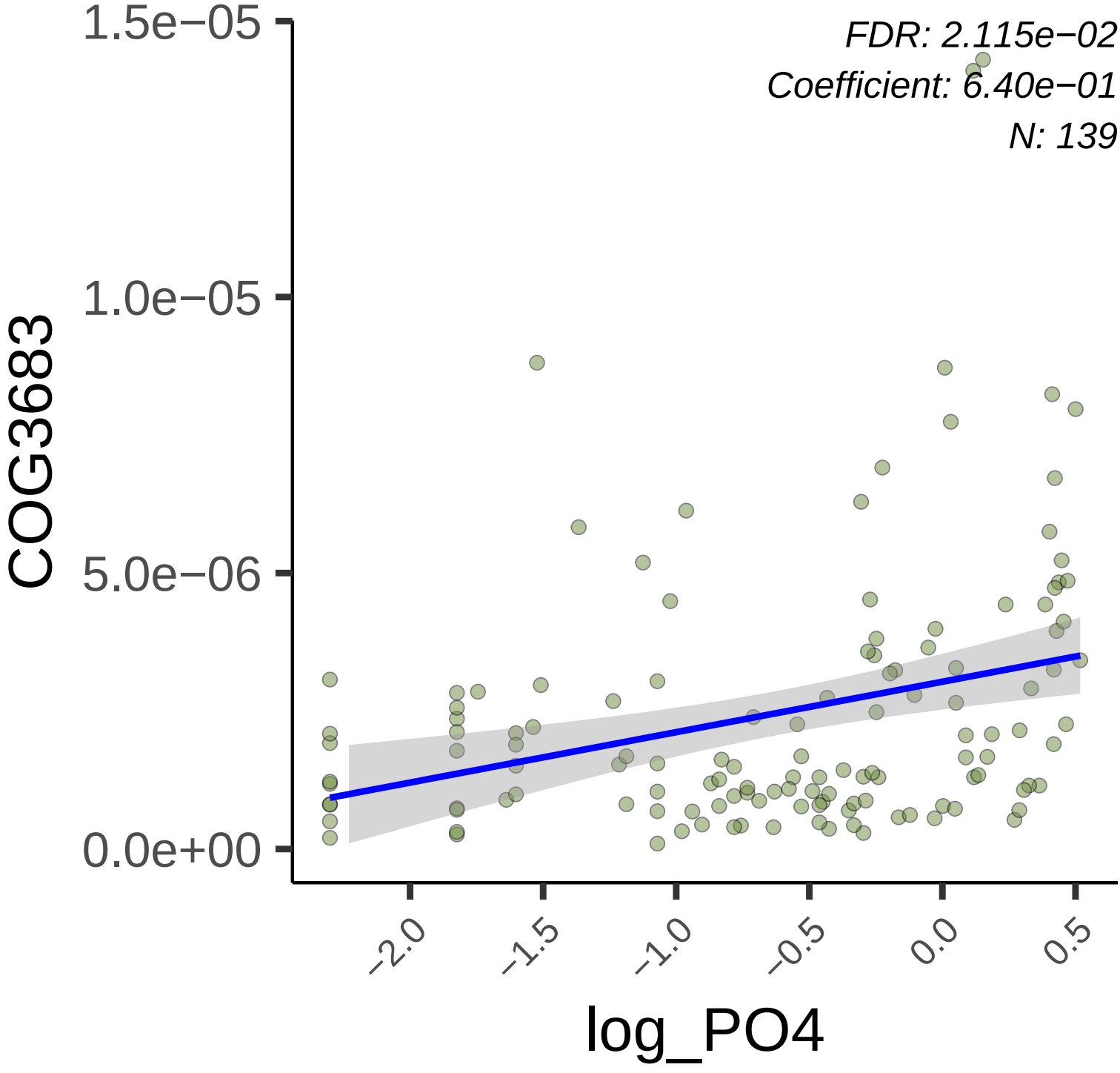
log_PO4


FDR: 2.115e−02
Coefficient: 6.40e−01
N: 139
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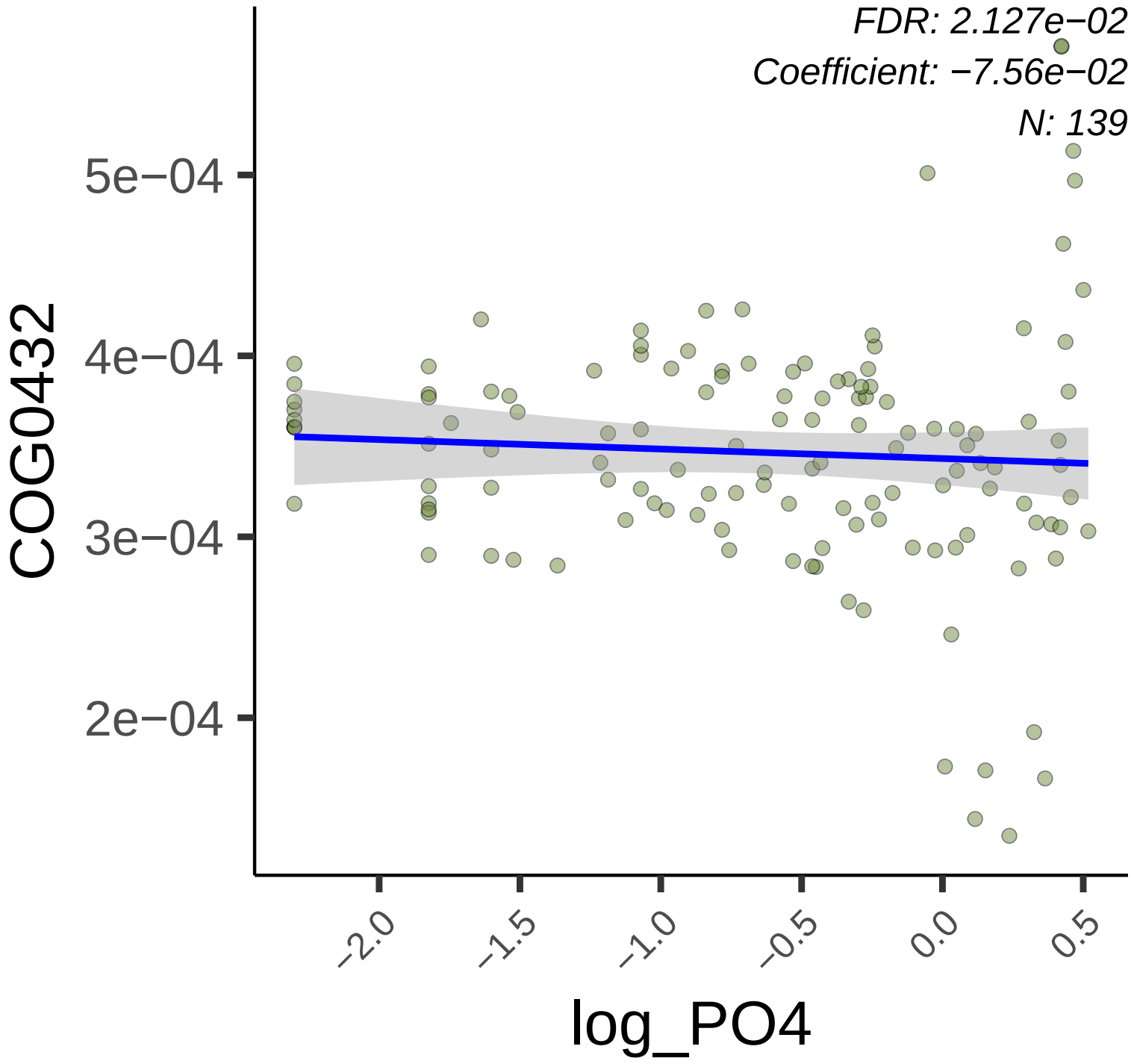
log_PO4


FDR: 2.127e−02
Coefficient: −7.56e−02
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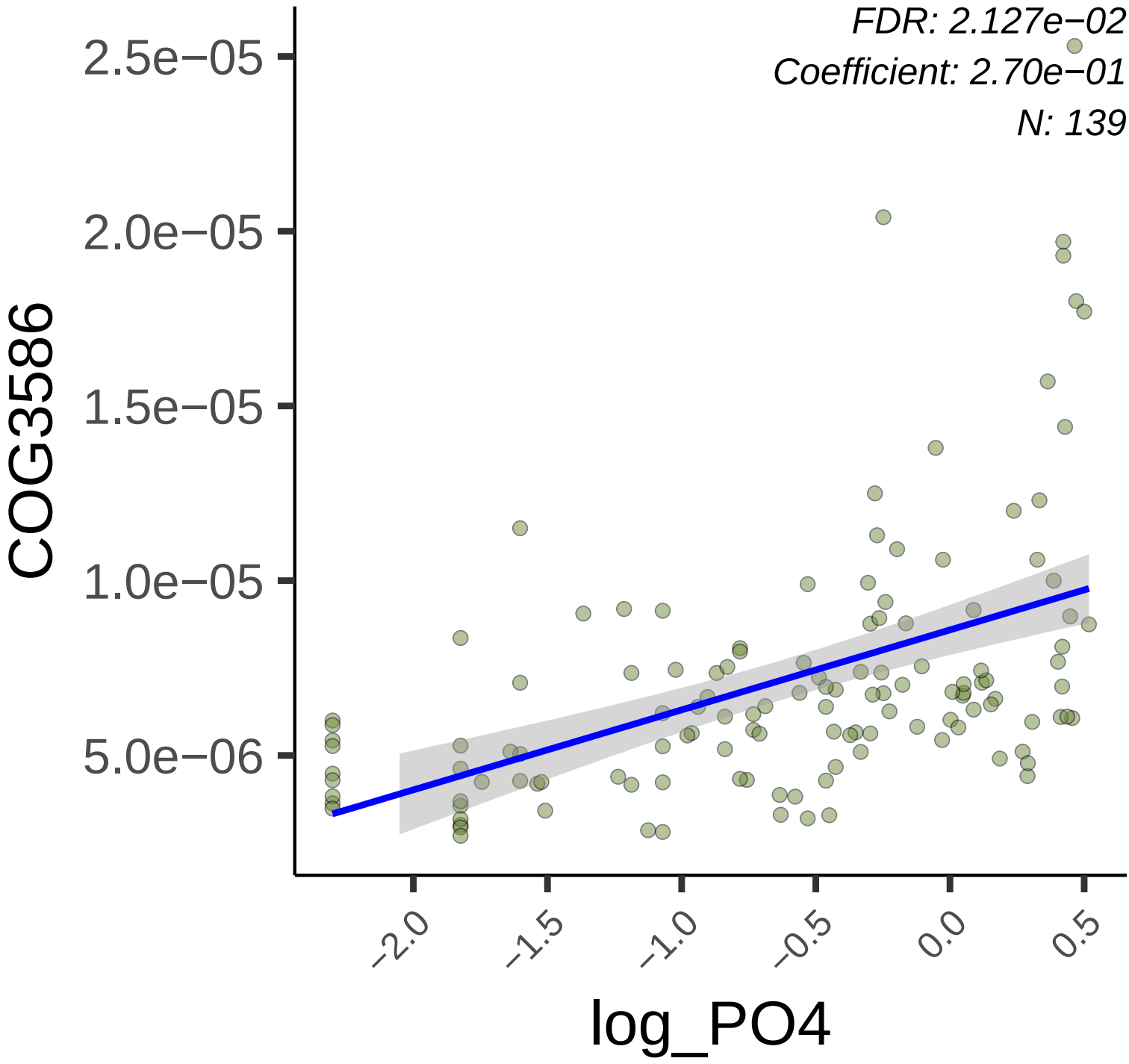
log_PO4


FDR: 2.127e−02
Coefficient: 2.70e−01
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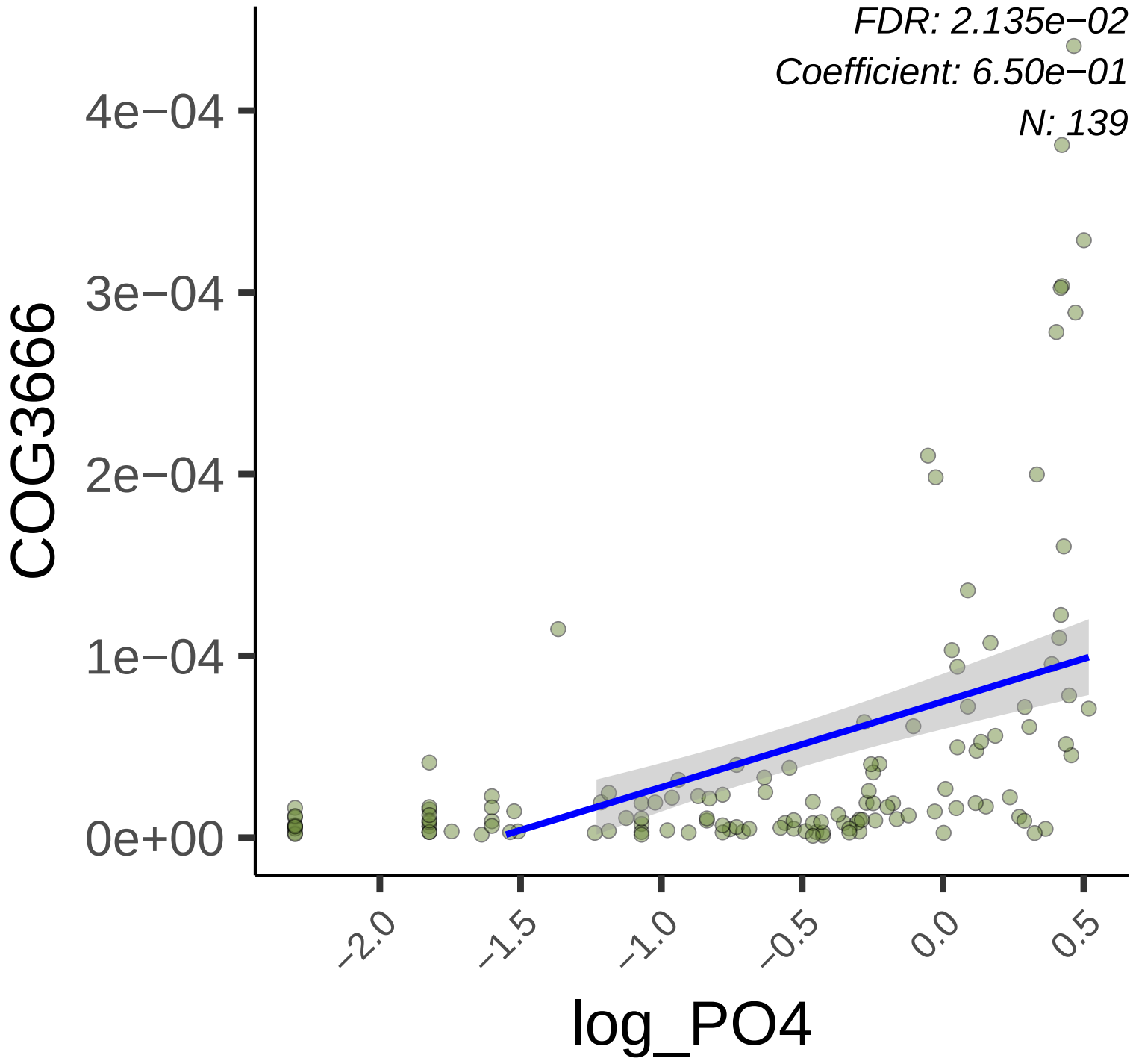
log_PO4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Coefficient: 6.50e−01
N: 139
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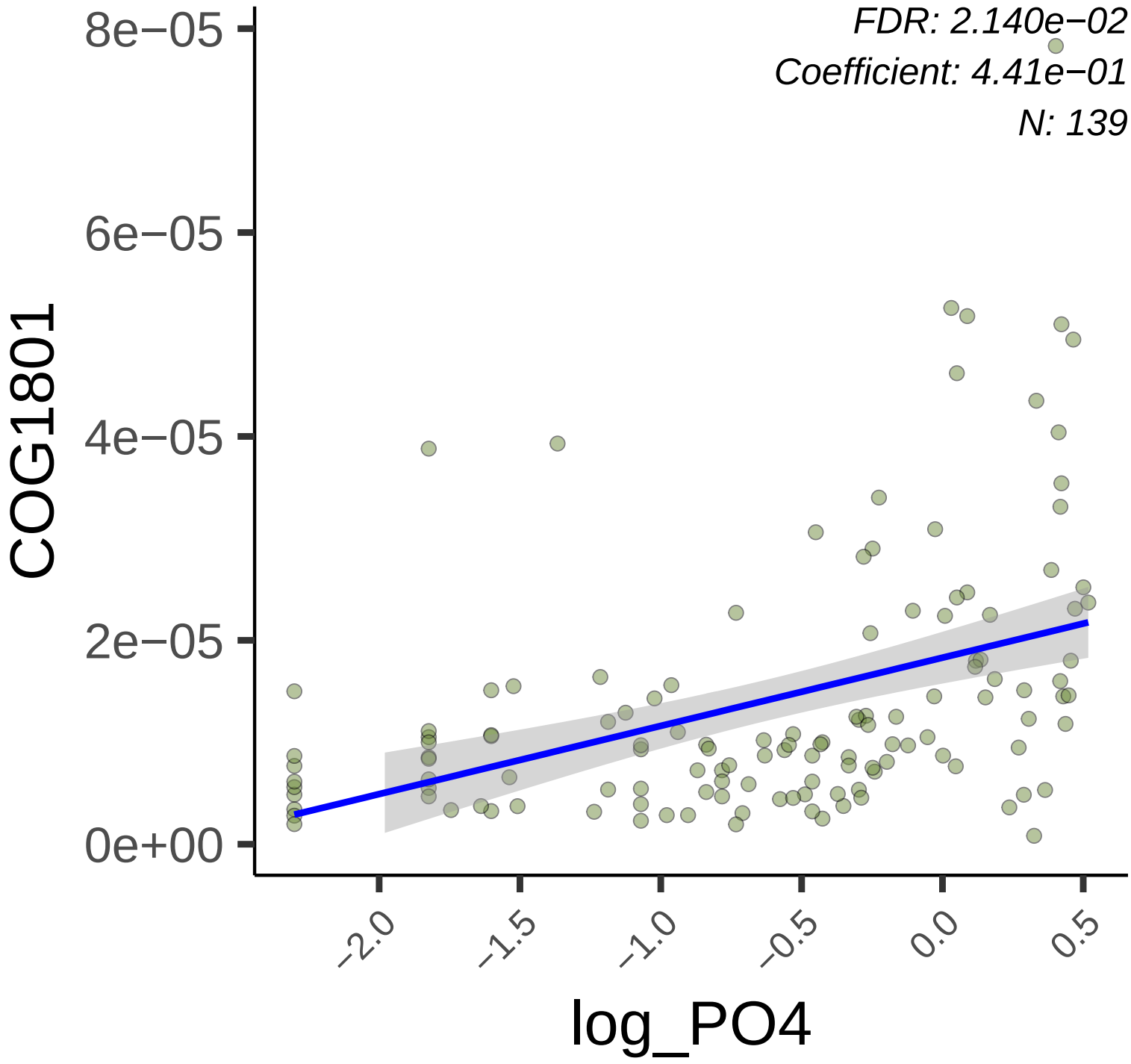
log_PO4


FDR: 2.140e−02
Coefficient: 4.41e−01
N: 139
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6e−05
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COG1801
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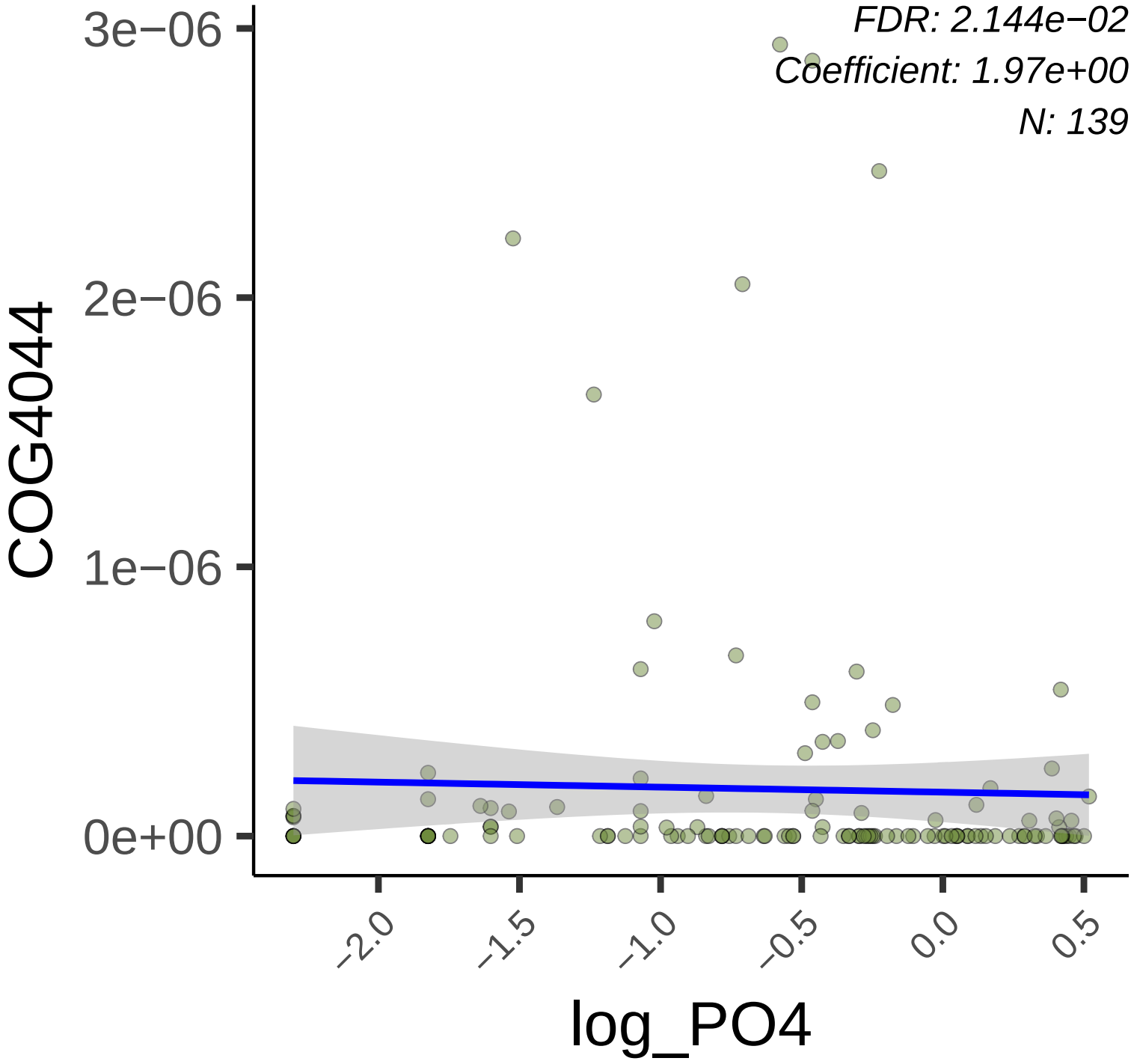
log_PO4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N: 139
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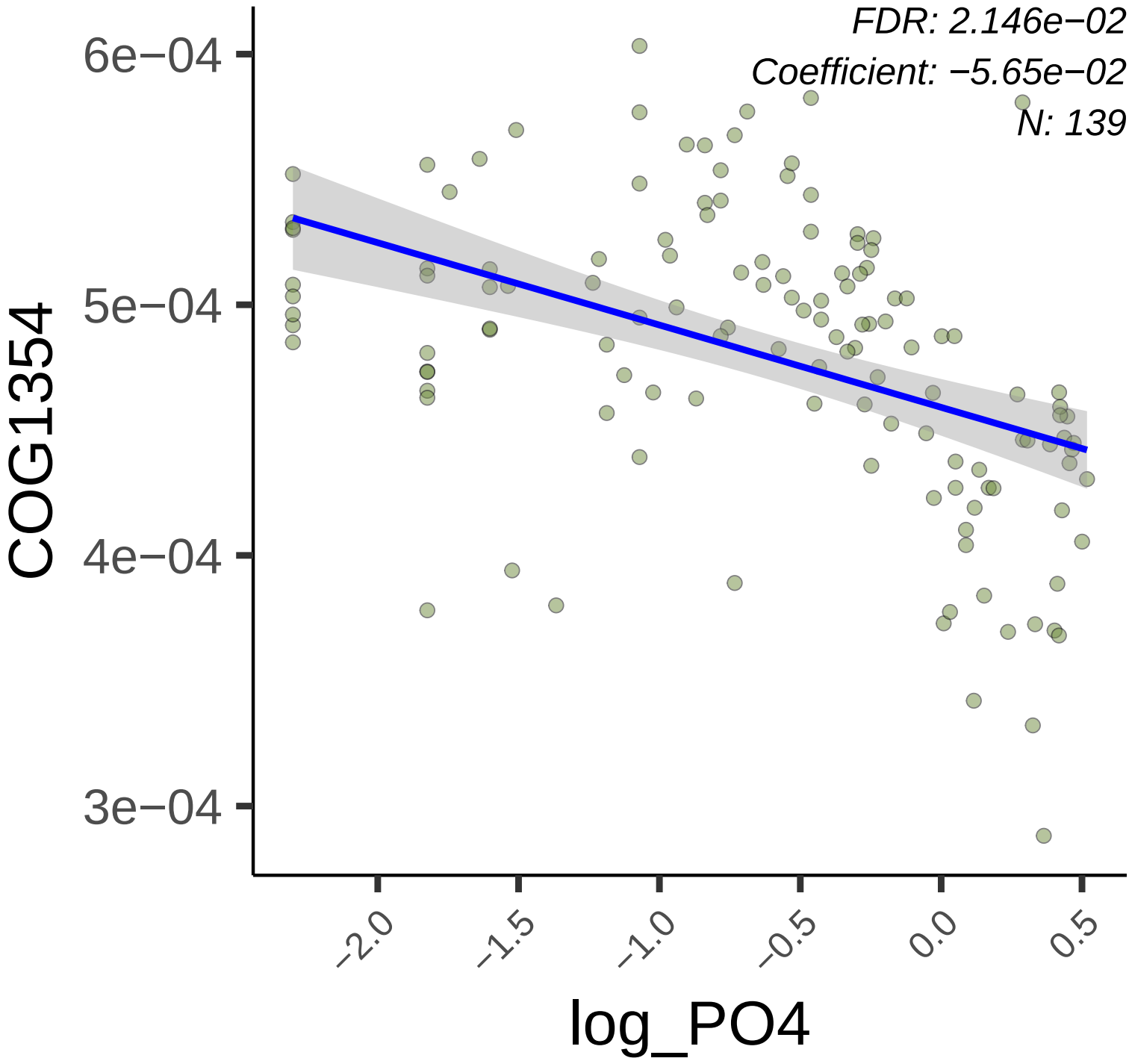
log_PO4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N: 139
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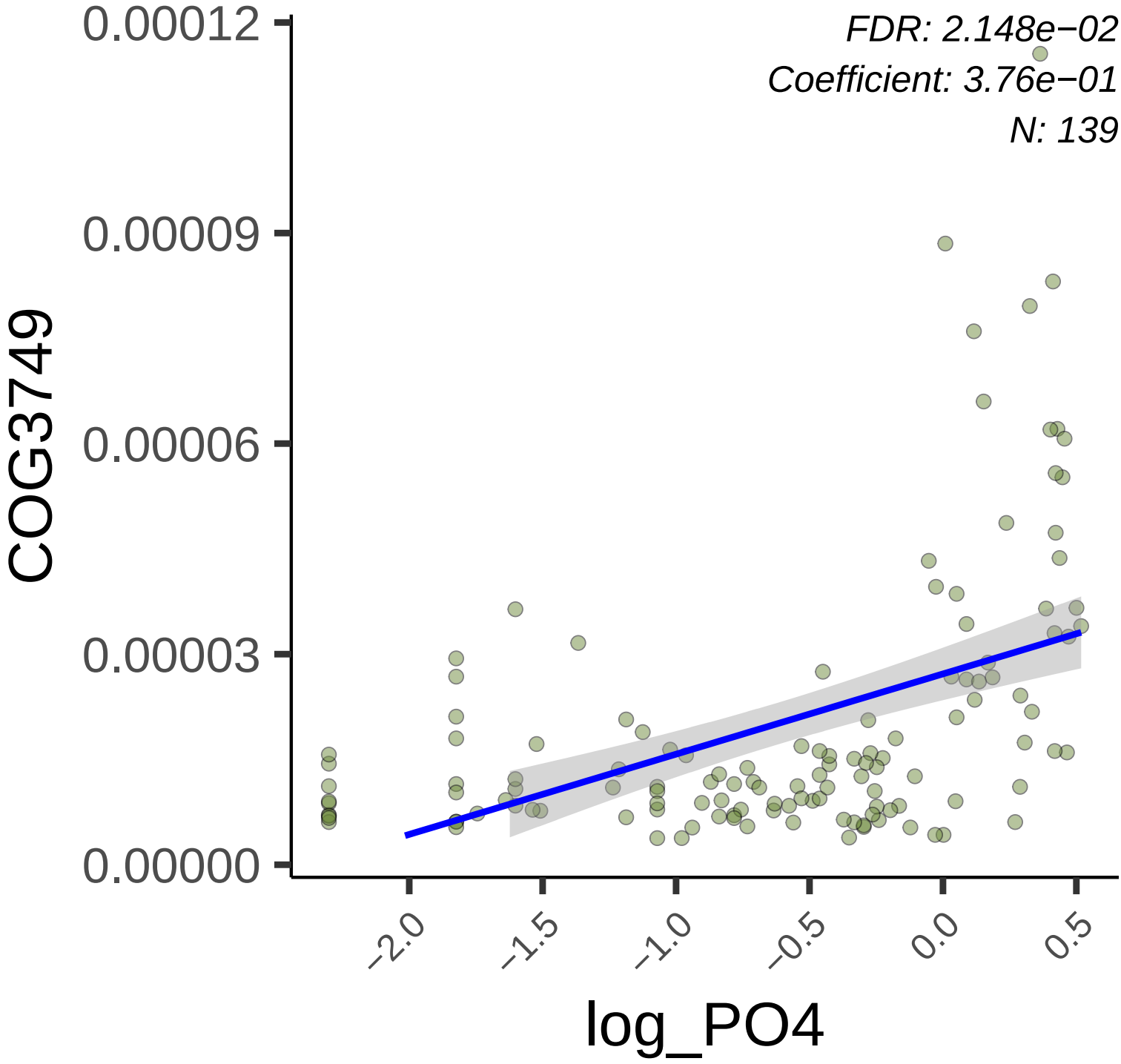
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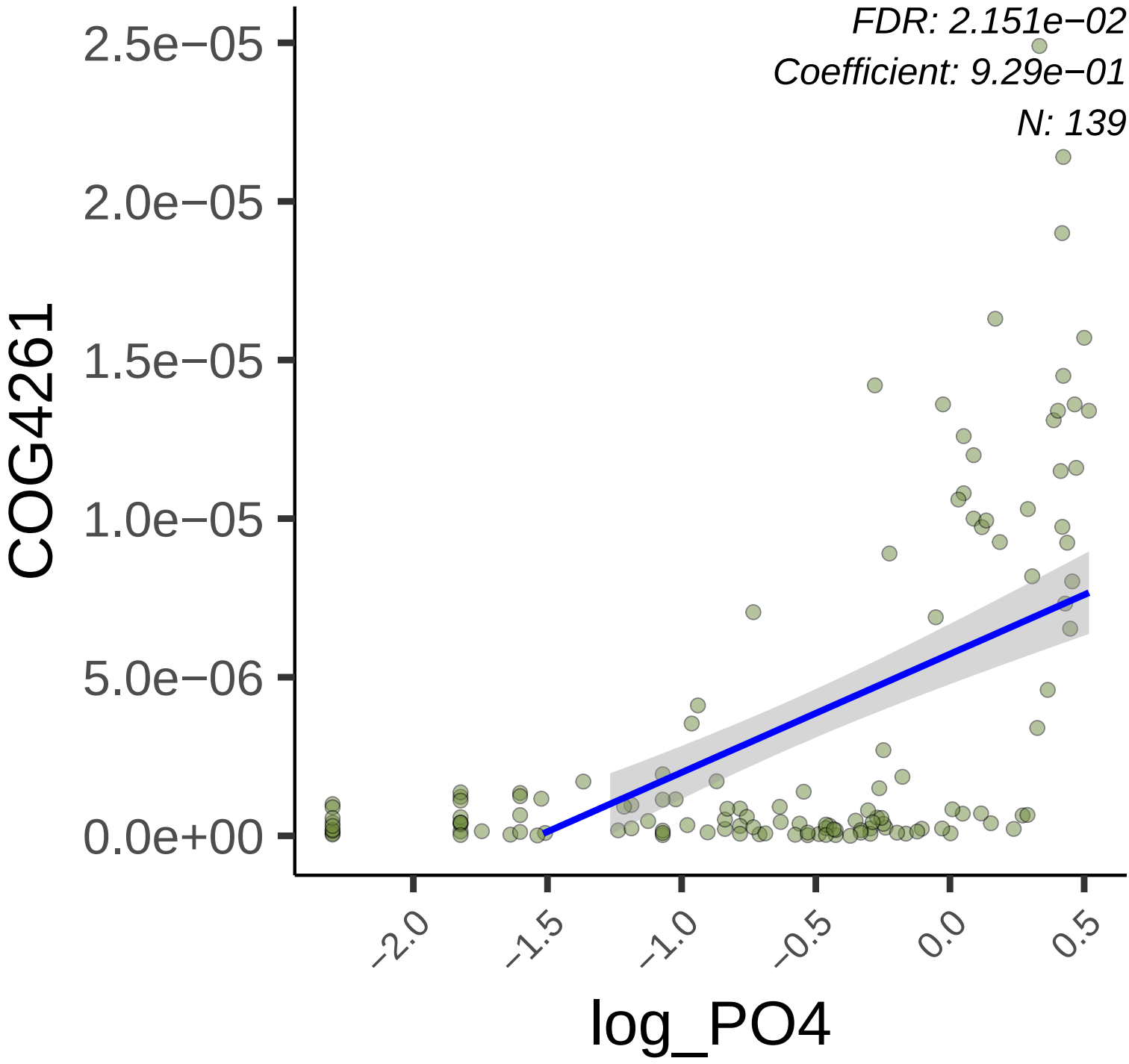
log_PO4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N: 139
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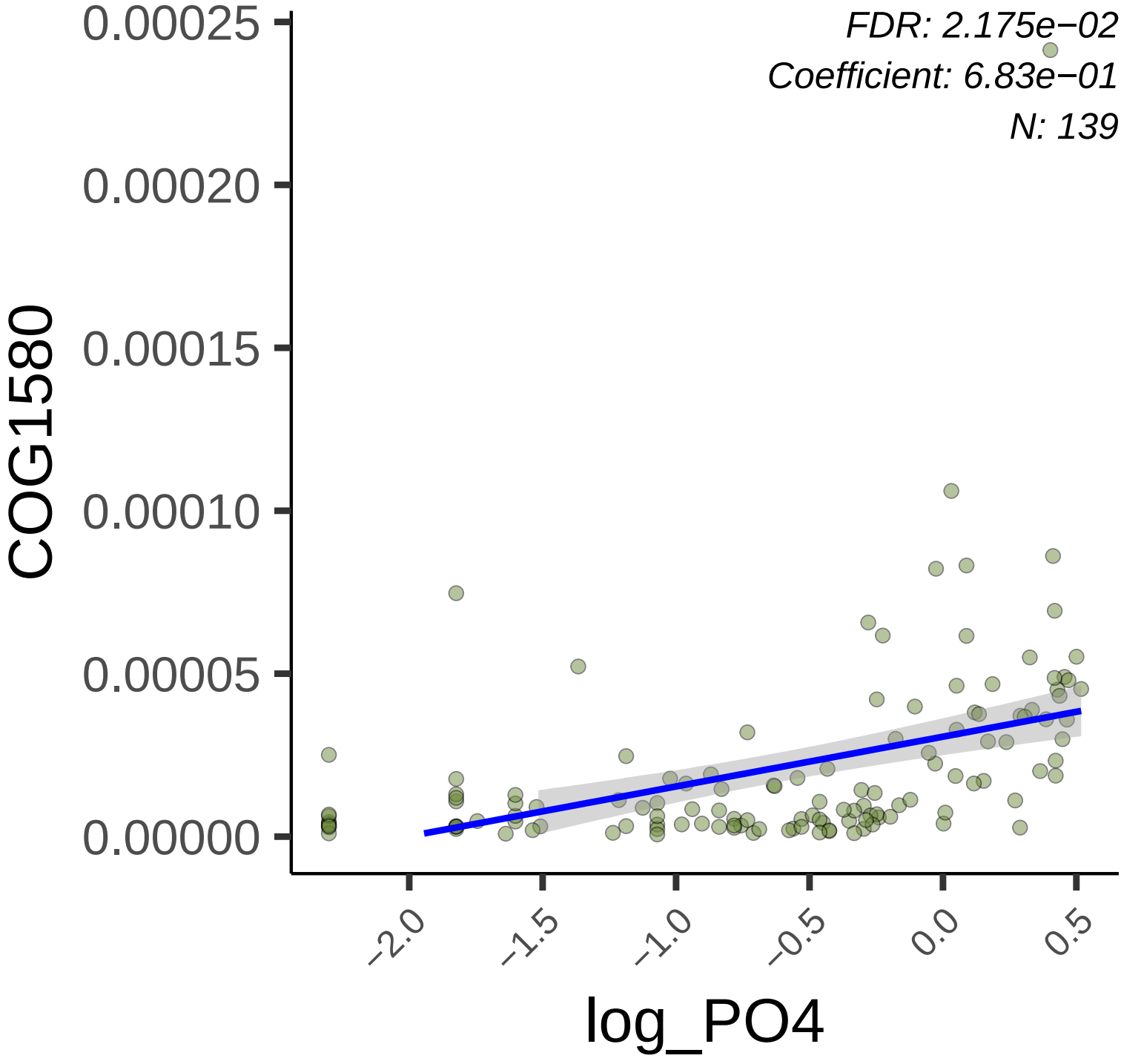
log_PO4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N: 139
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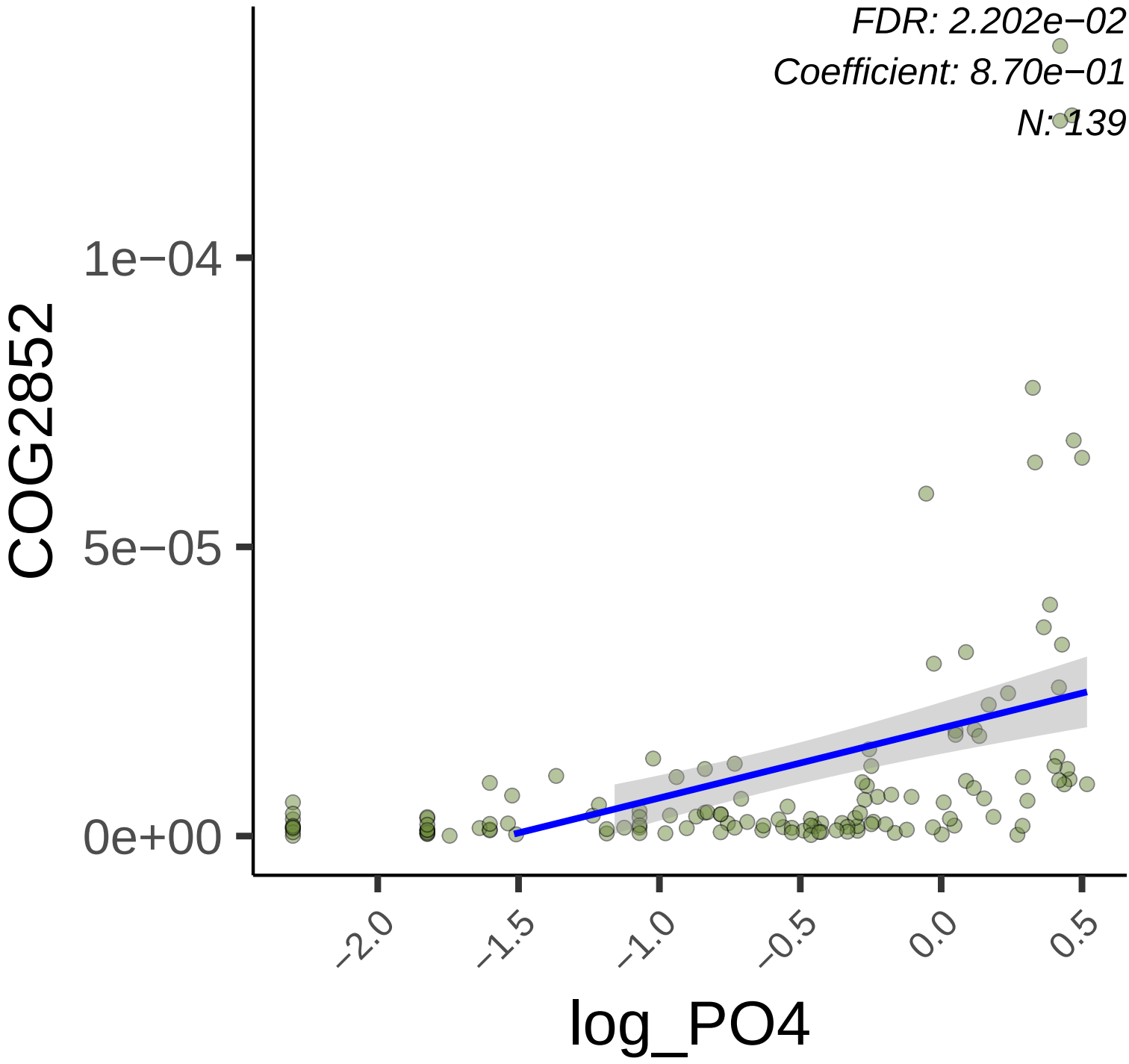
log_PO4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Coefficient: 8.70e−01
N: 139
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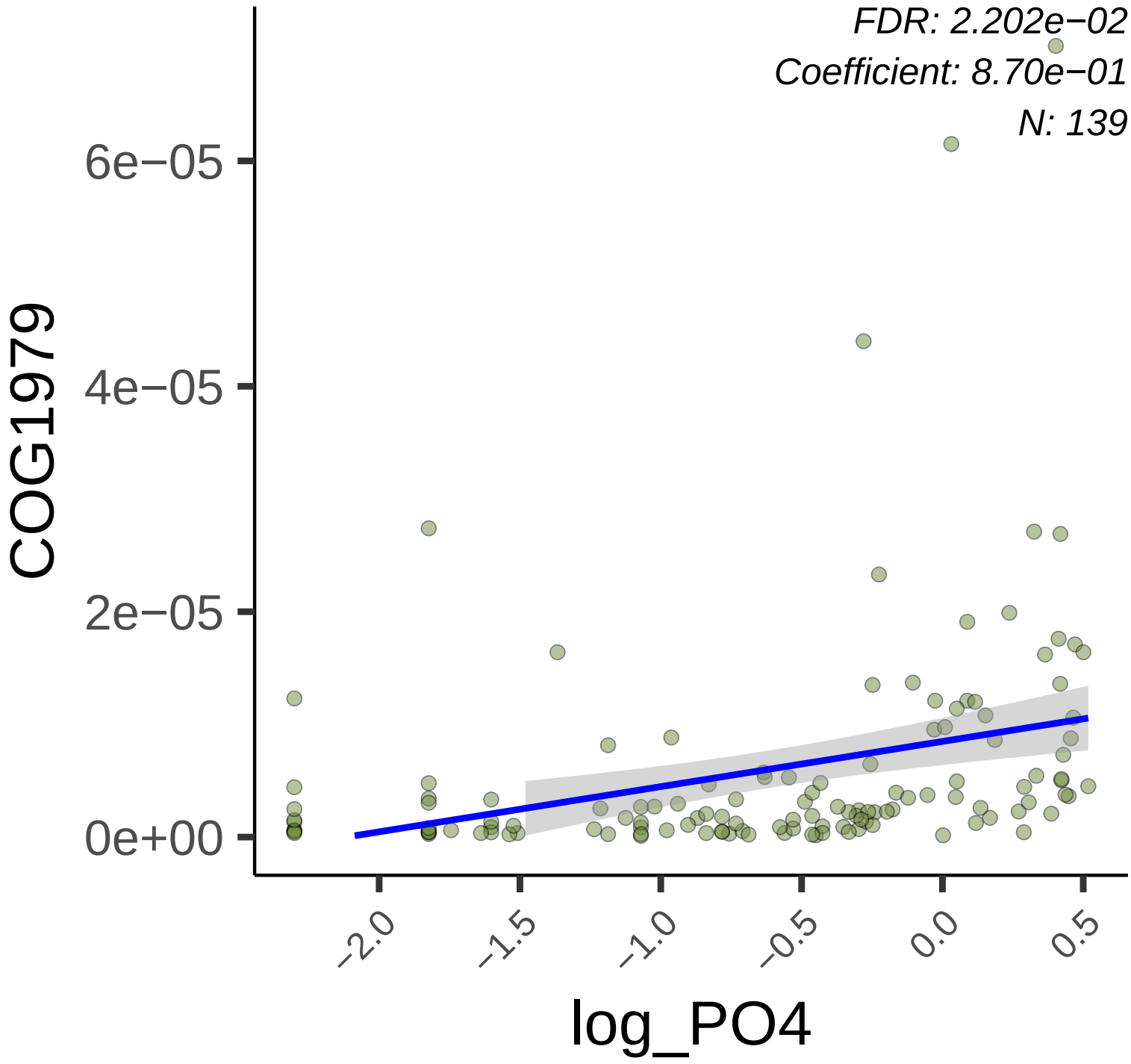
log_PO4


FDR: 2.202e−02
Coefficient: 8.70e−01
N: 139
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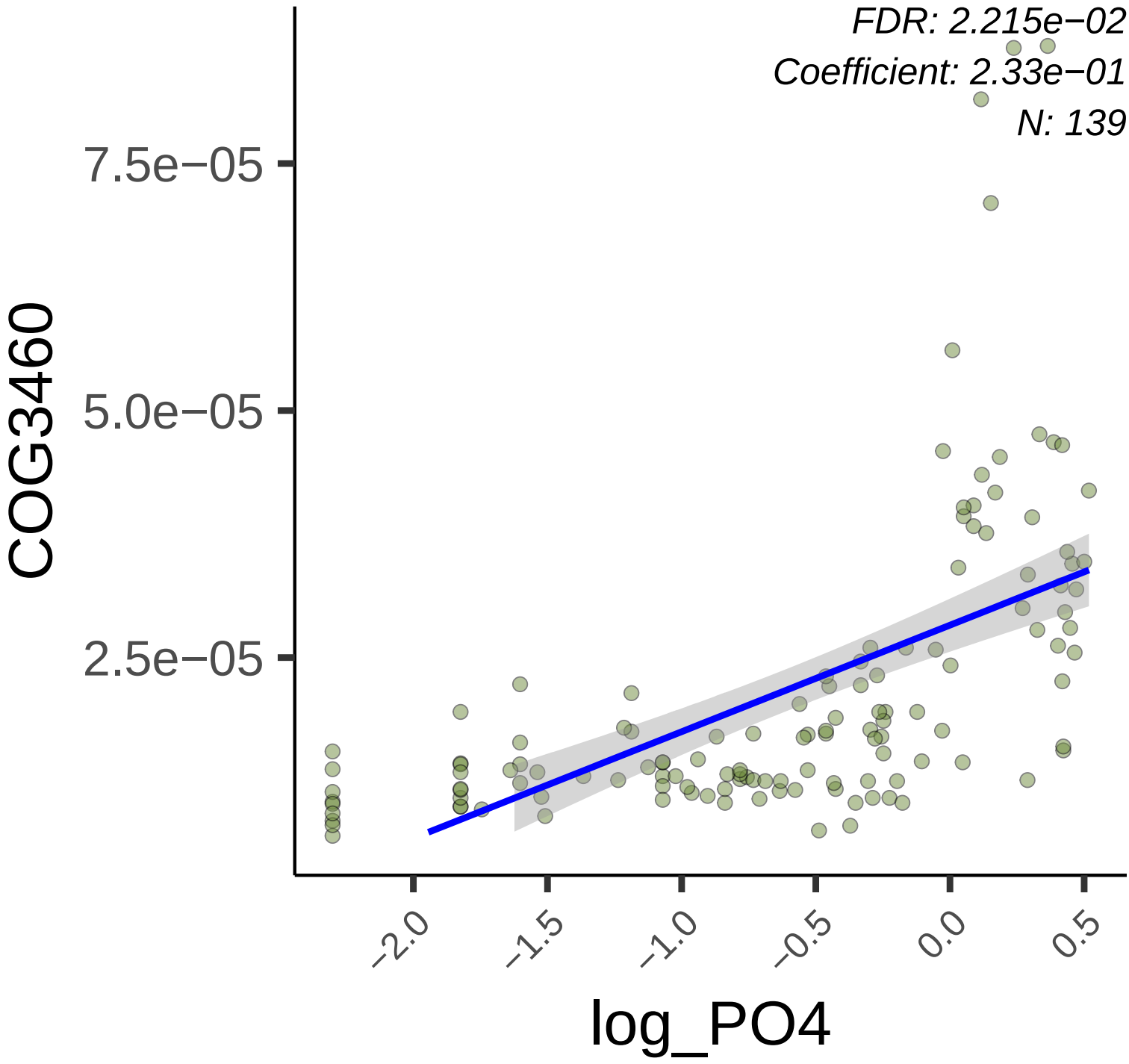
log_PO4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Coefficient: 2.33e−01
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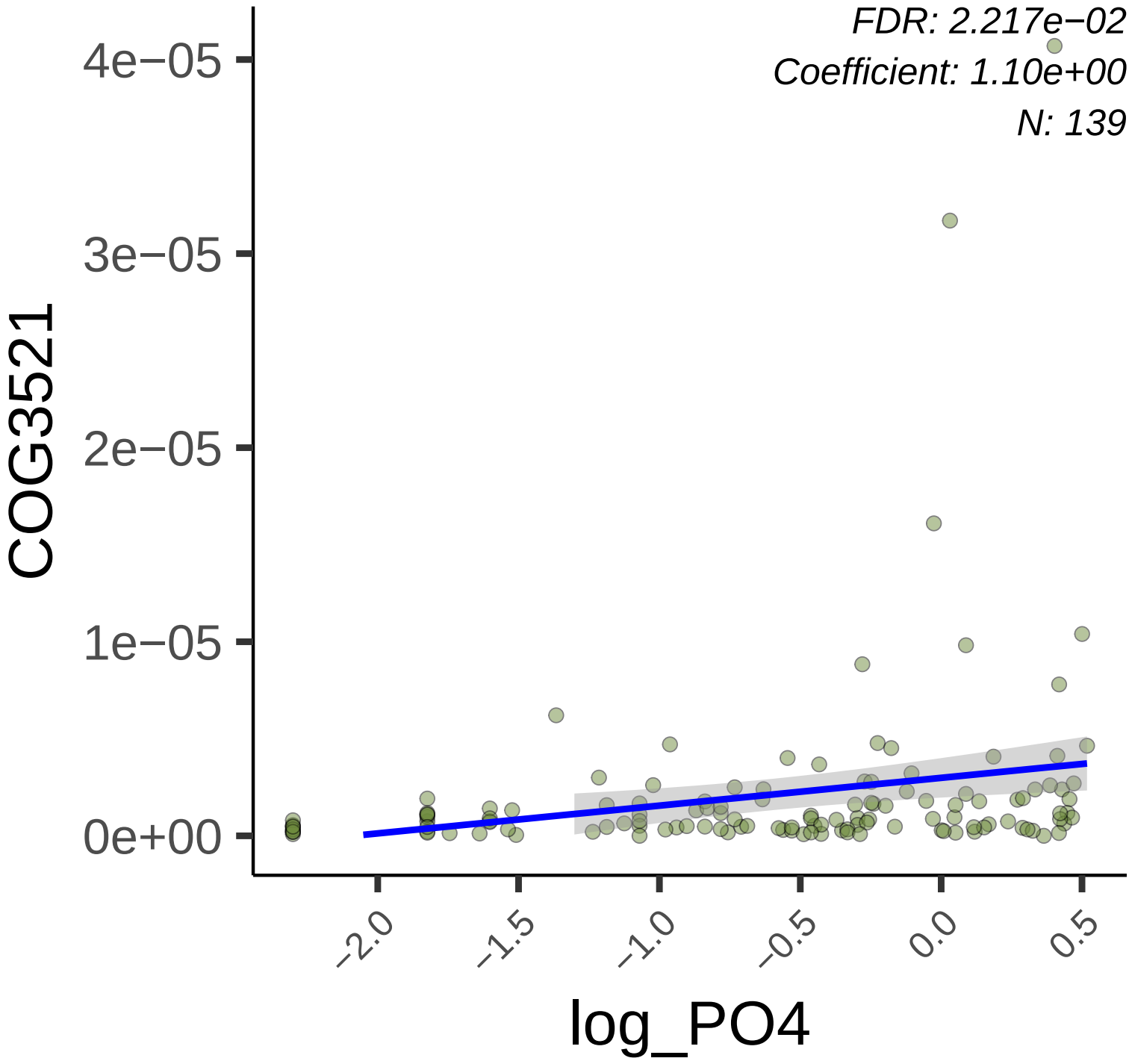
log_PO4


FDR: 2.217e−02
Coefficient: 1.10e+00
N: 139
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COG3521
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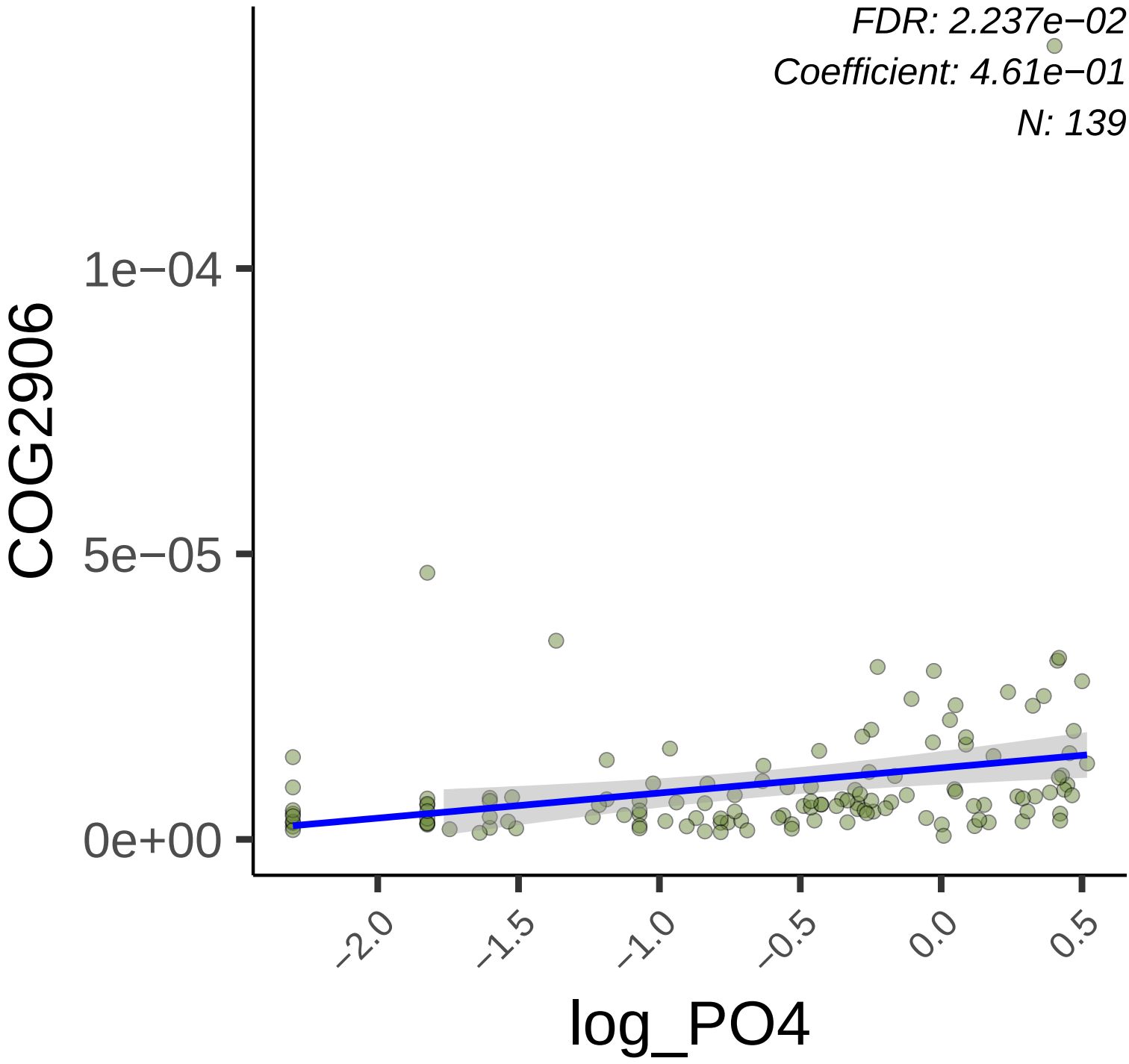
log_PO4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Coefficient: 4.61e−01
N: 139
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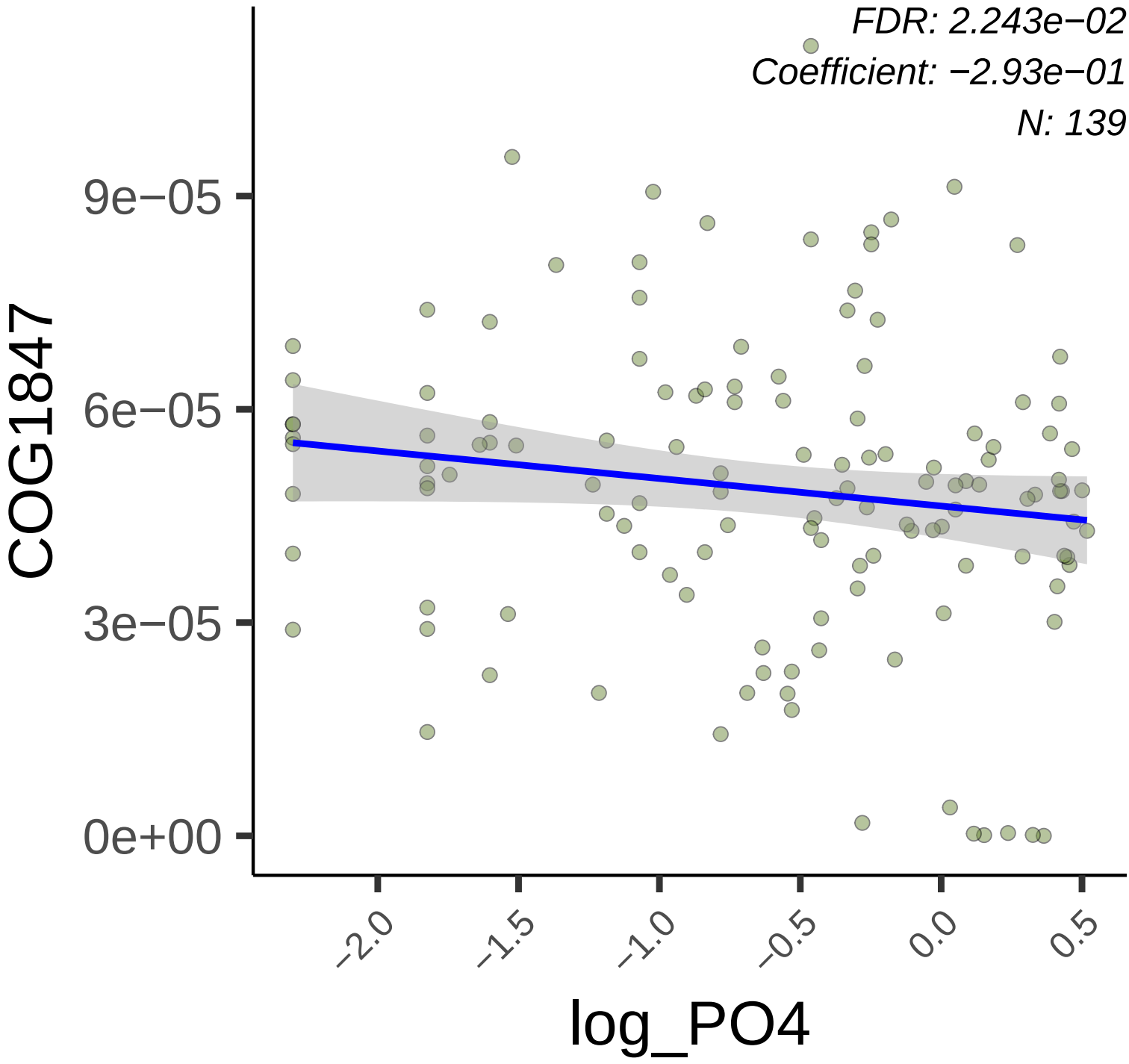
log_PO4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Coefficient: −2.93e−01
N: 139
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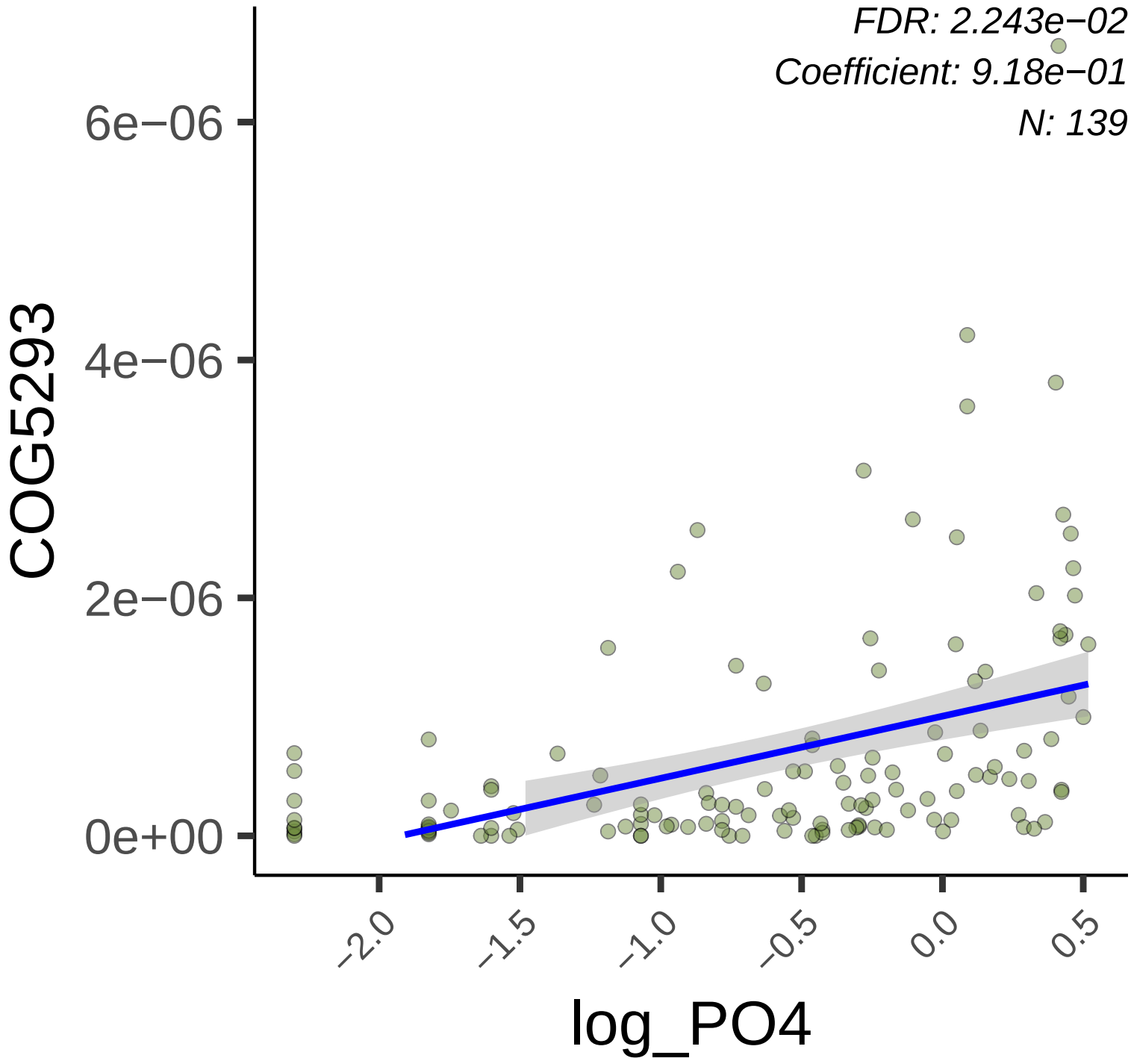
log_PO4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N: 139
COG5293
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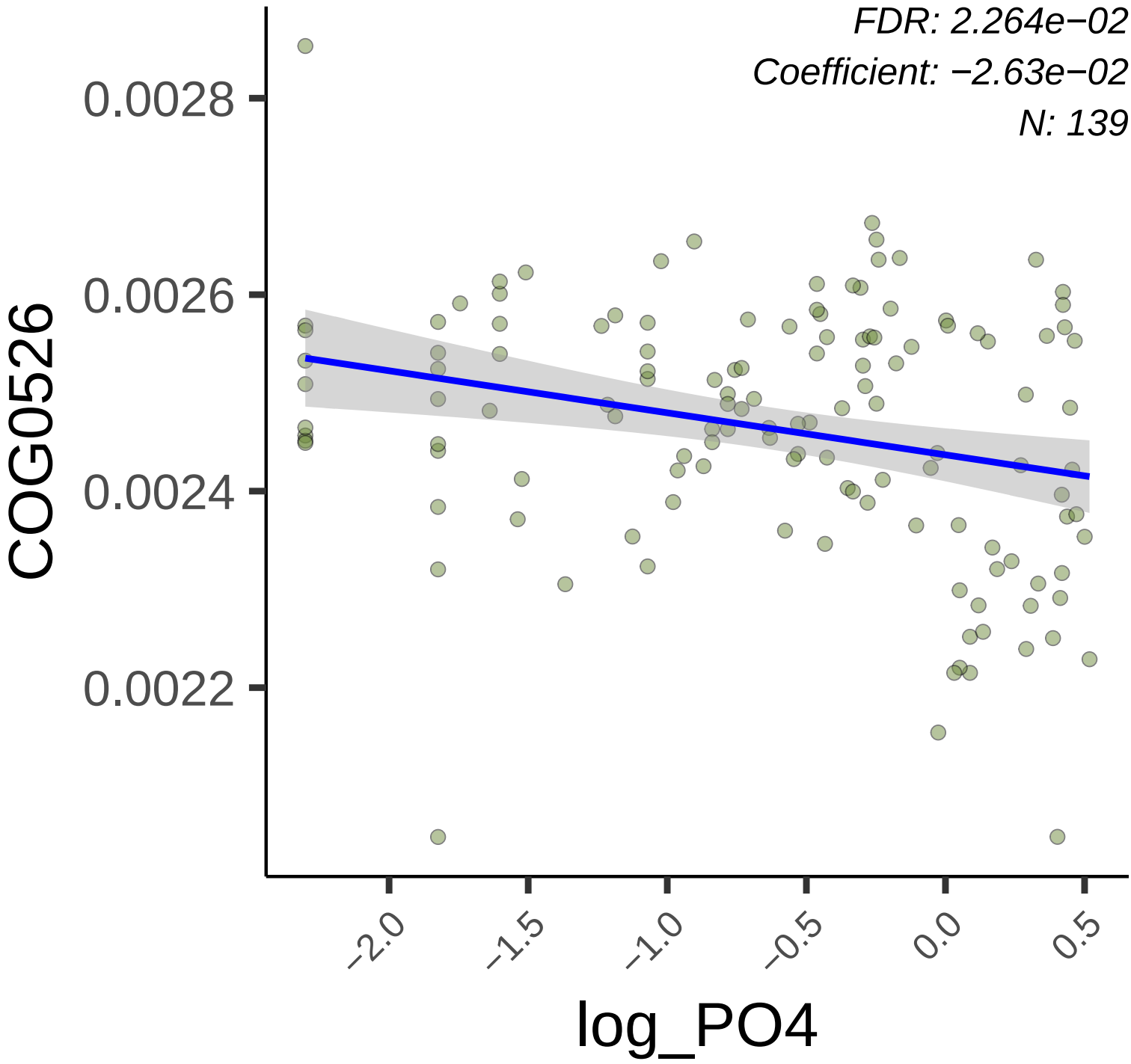
log_PO4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COG0526
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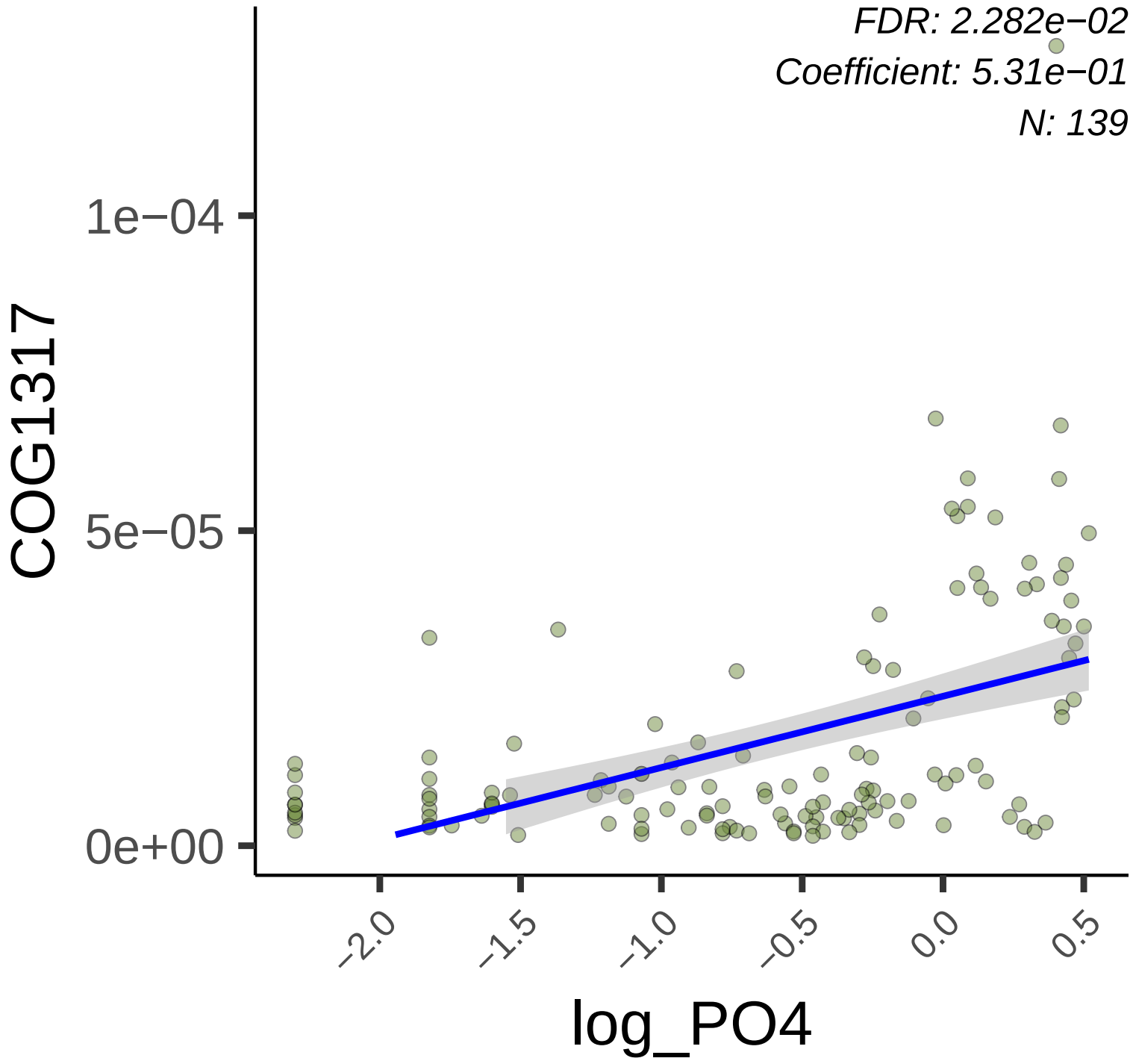
log_PO4


FDR: 2.282e−02
Coefficient: 5.31e−01
N: 139
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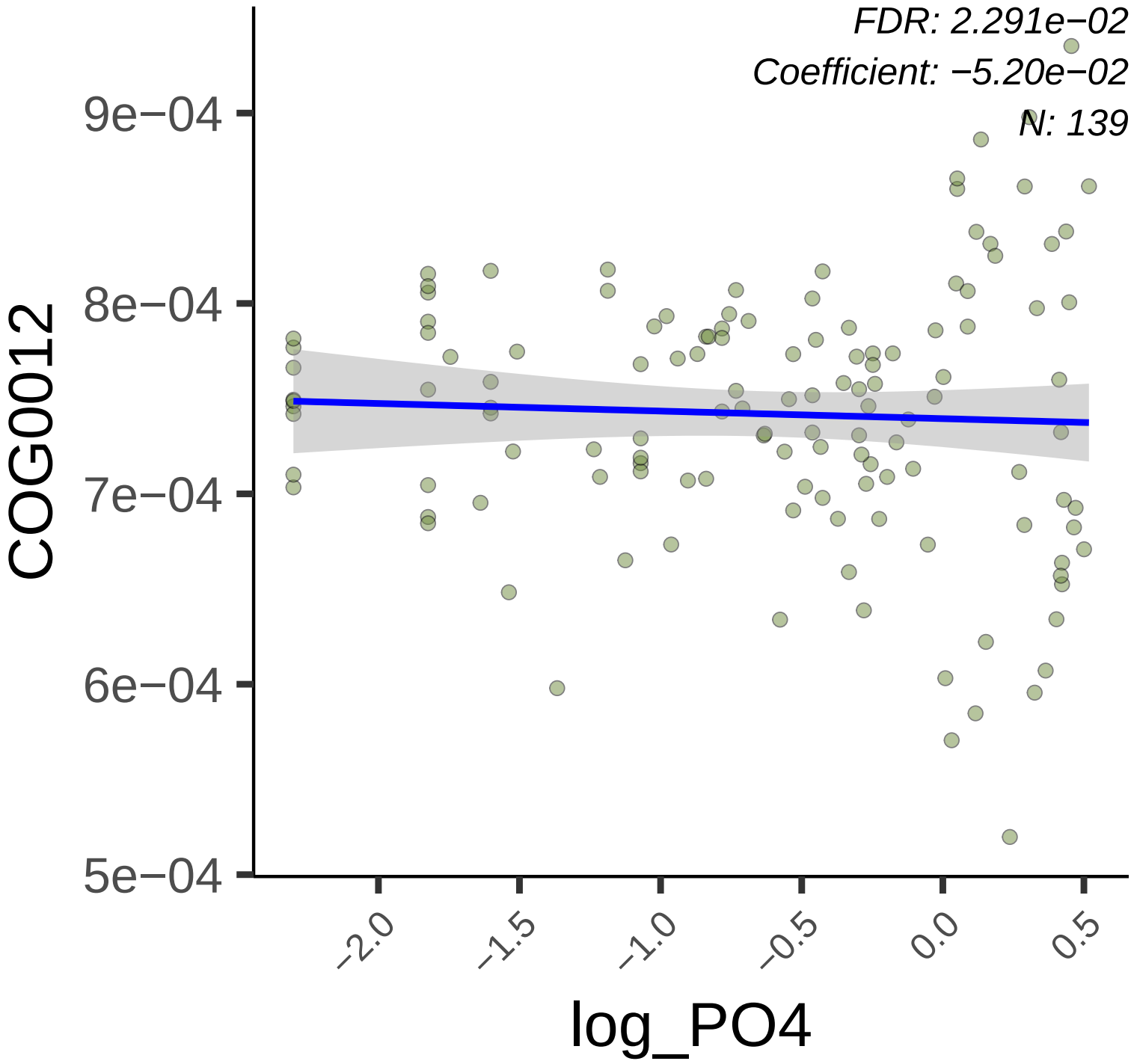
log_PO4


FDR: 2.291e−02
Coefficient: −5.20e−02
N: 139
COG0012
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8e−04
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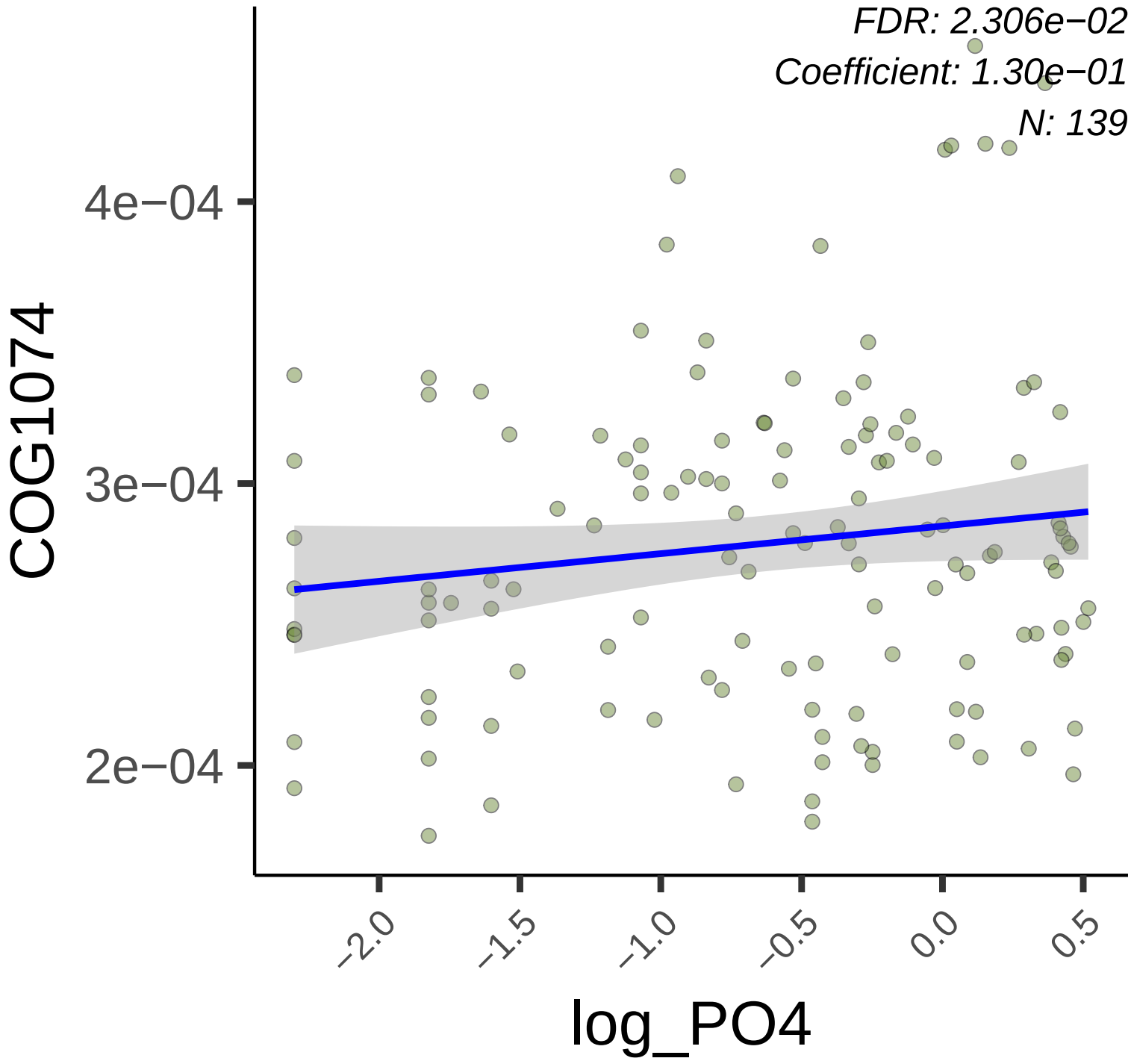
log_PO4


FDR: 2.306e−02
Coefficient: 1.30e−01
N: 139
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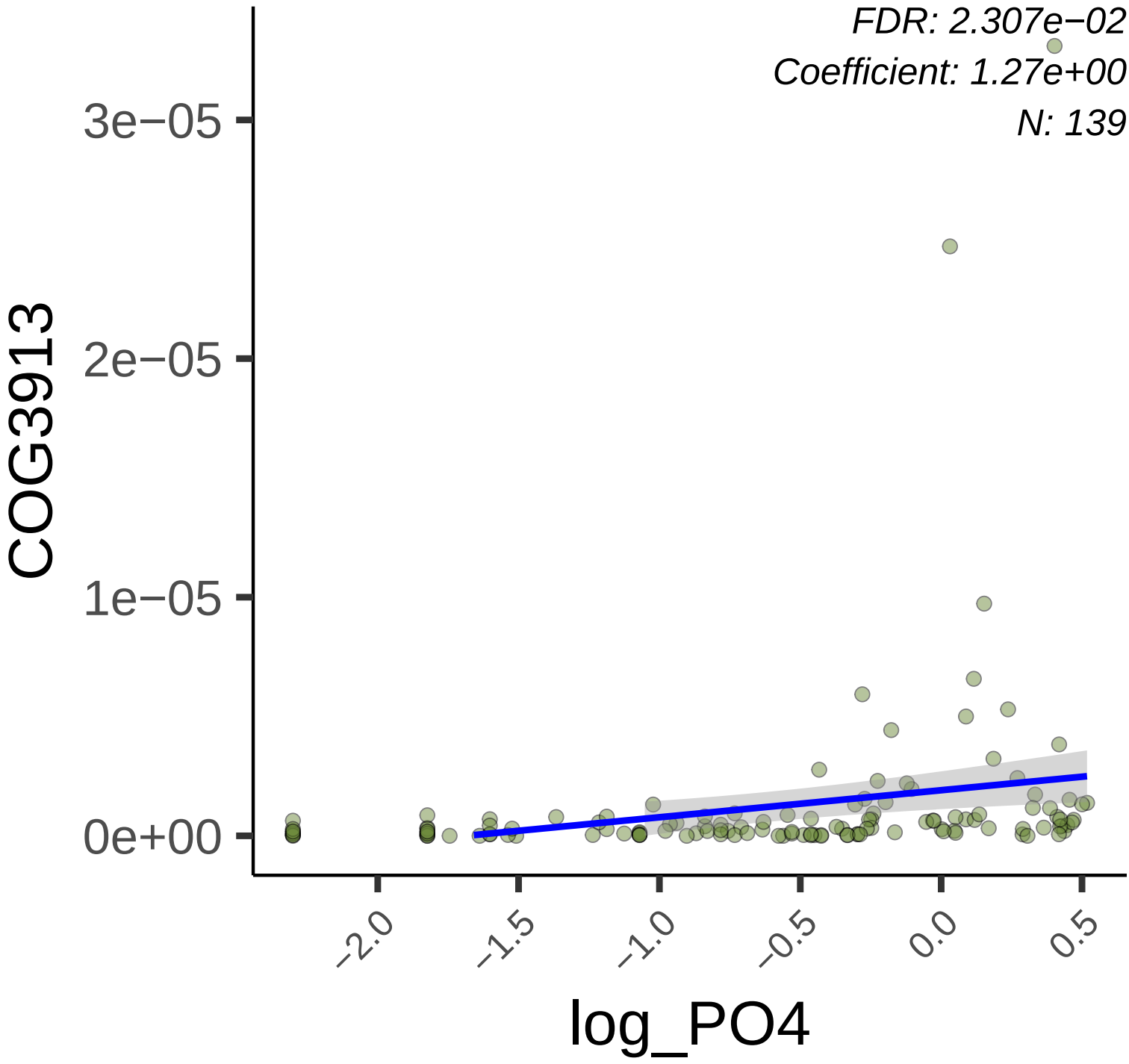
log_PO4


FDR: 2.307e−02
Coefficient: 1.27e+00
N: 139
COG3913
3e−05
2e−05
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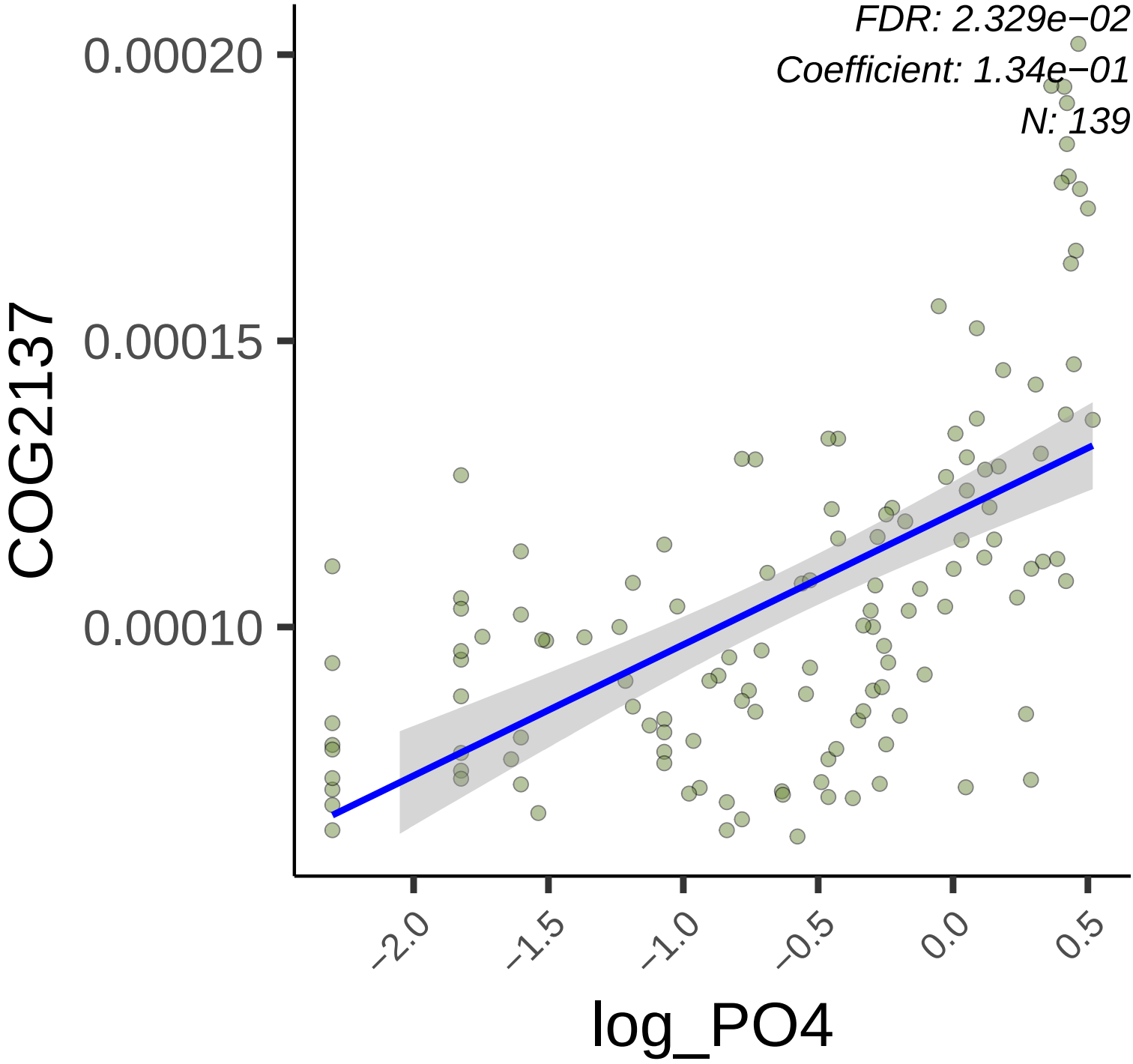
log_PO4


FDR: 2.329e−02
Coefficient: 1.34e−01
N: 139
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COG2137
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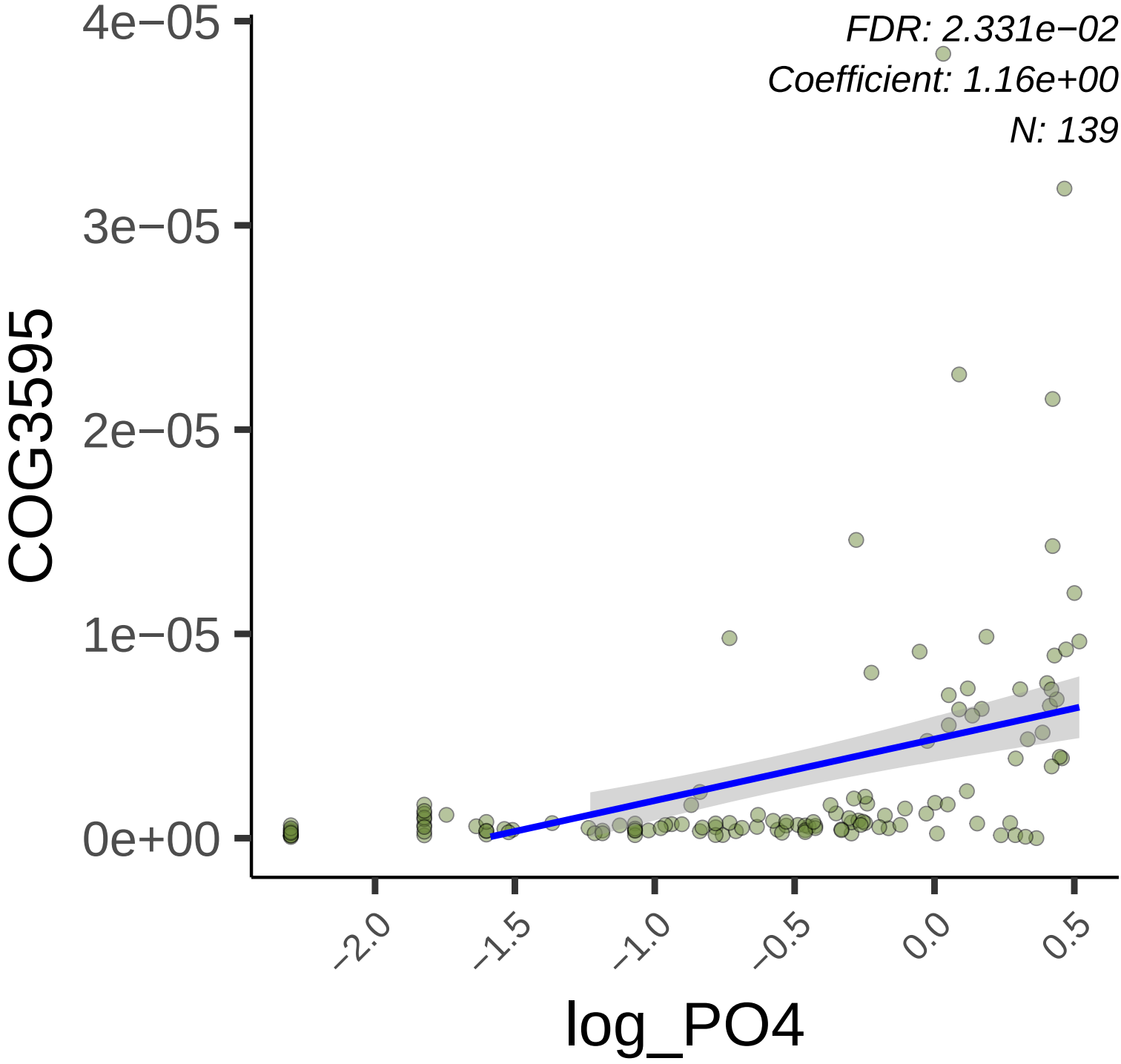
log_PO4


FDR: 2.331e−02
Coefficient: 1.16e+00
N: 139
COG3595
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−1.5
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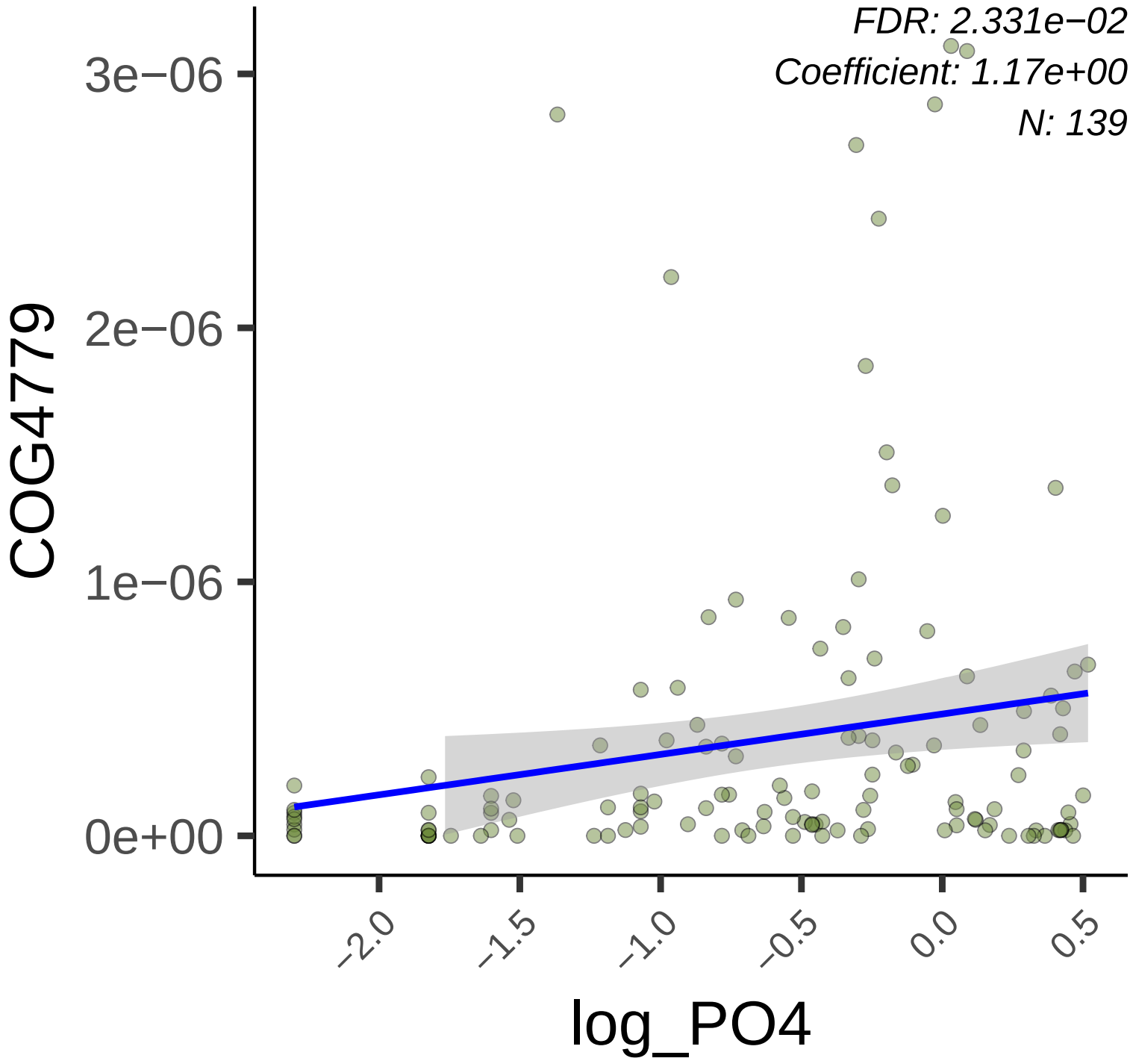
log_PO4


FDR: 2.331e−02
Coefficient: 1.17e+00
N: 139
COG4779
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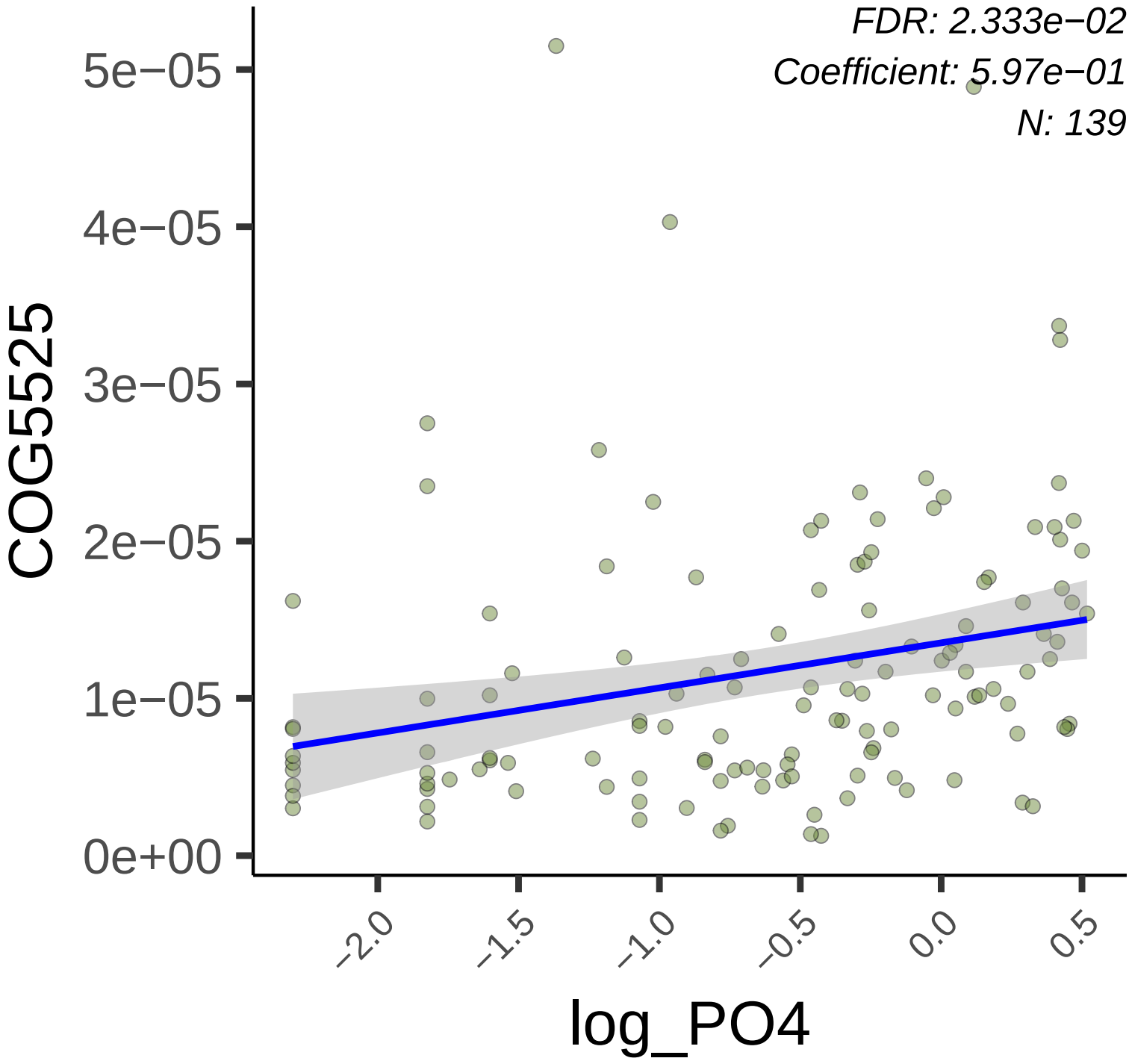
log_PO4


FDR: 2.333e−02
Coefficient: 5.97e−01
N: 139
COG5525
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4e−05
3e−05
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0e+00
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−1.5
−1.0
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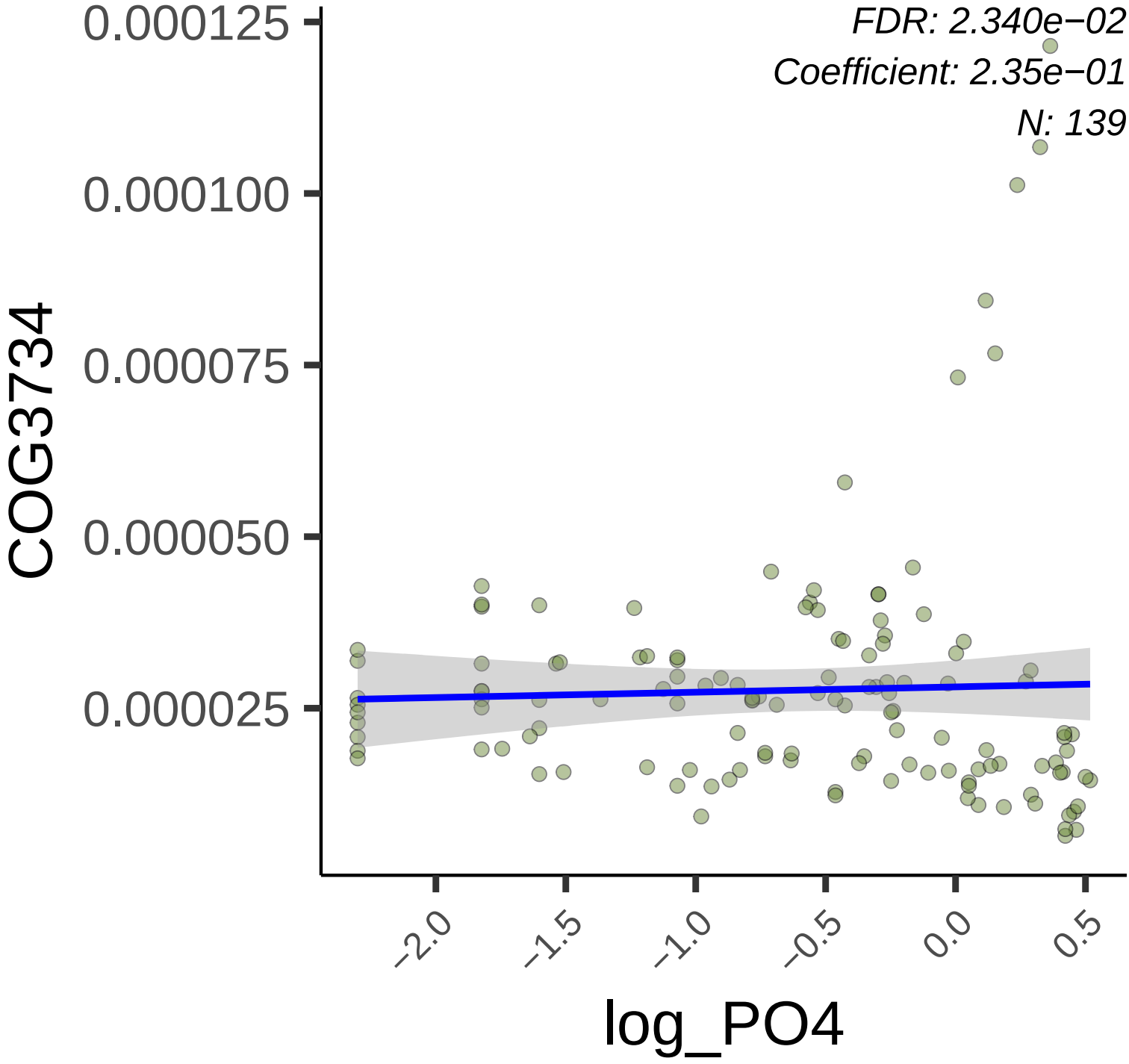
log_PO4


FDR: 2.340e−02
Coefficient: 2.35e−01
N: 139
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COG3734
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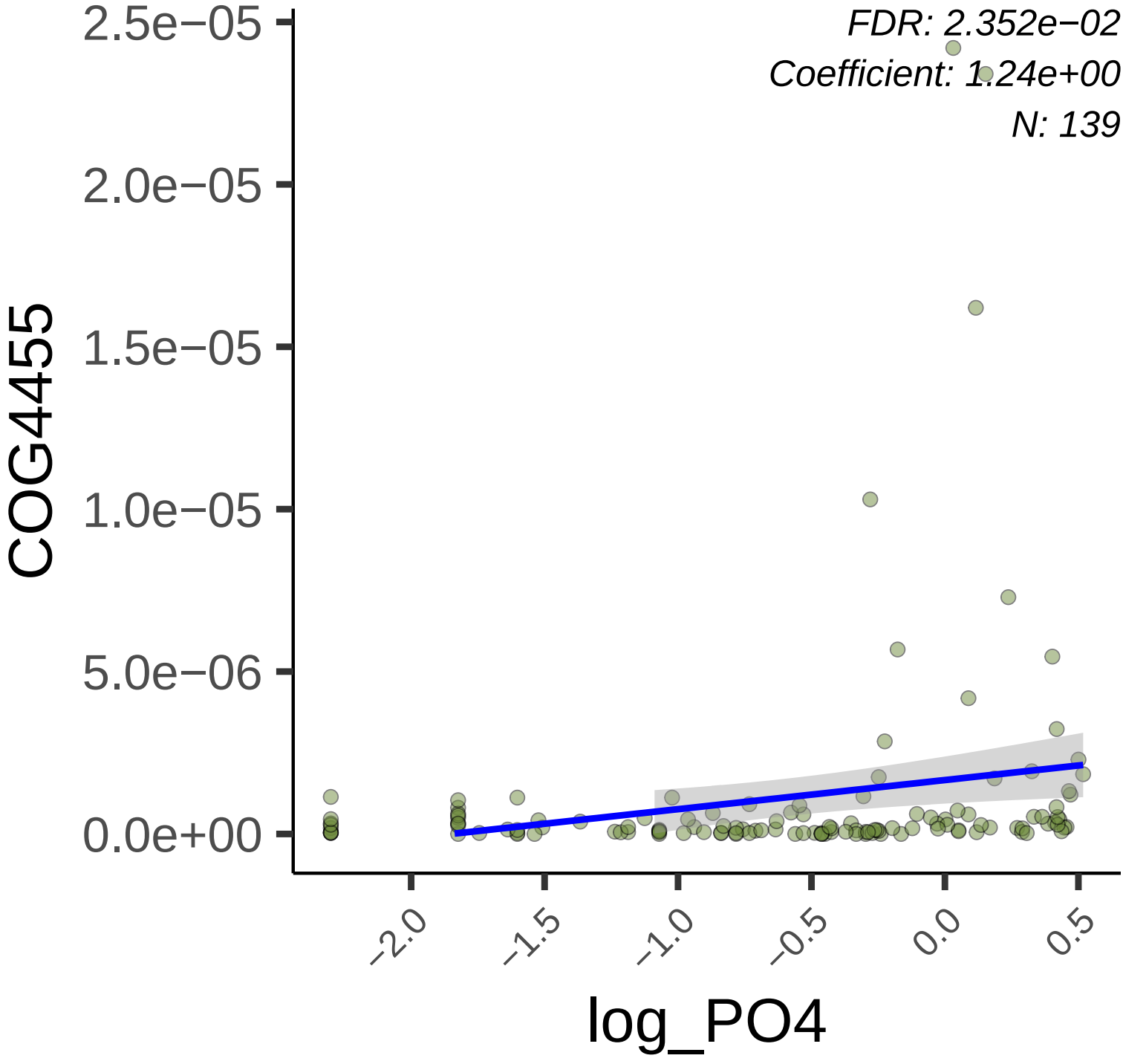
log_PO4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Coefficient: 1.24e+00
N: 139
COG4455
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2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
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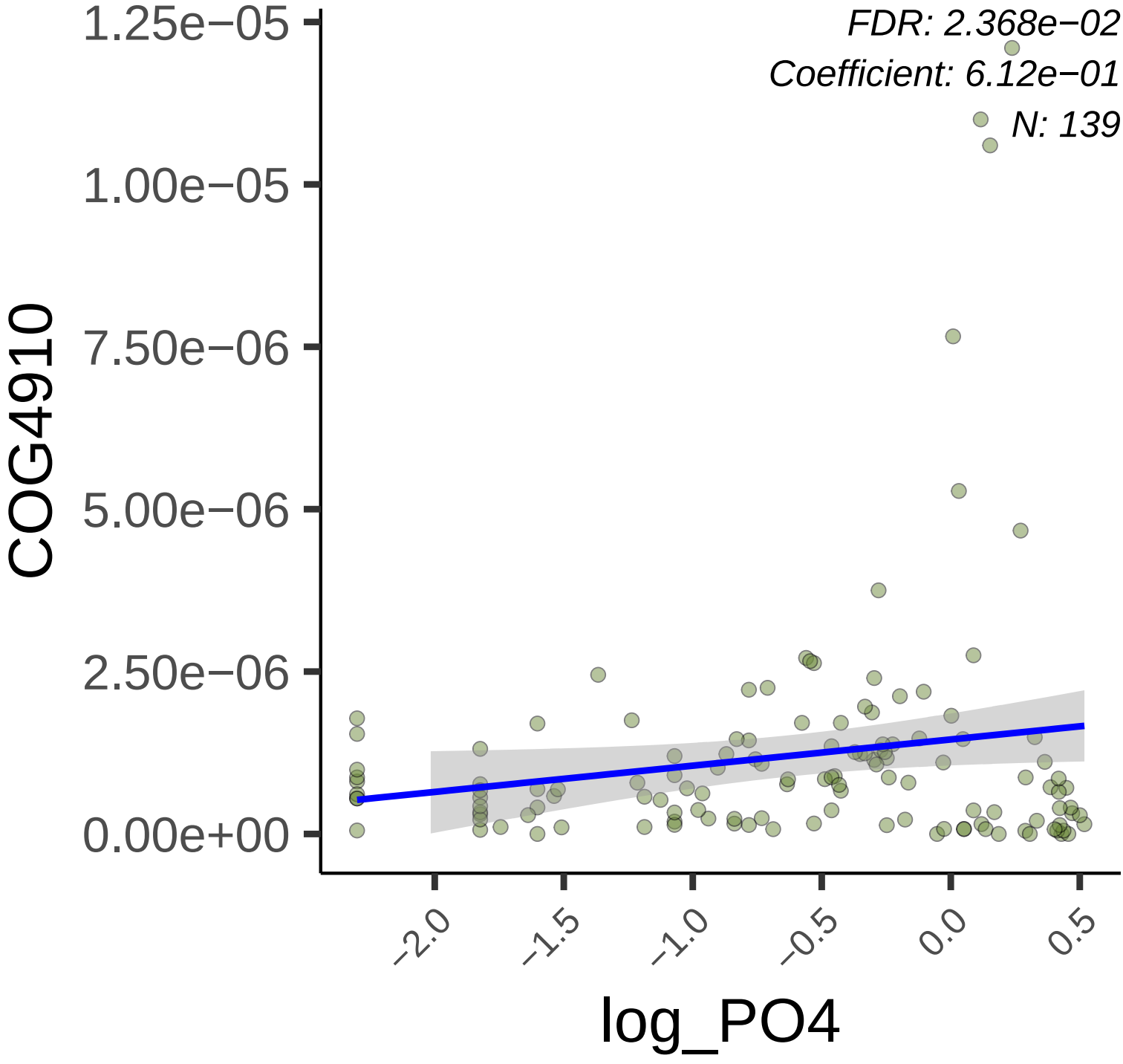
log_PO4


FDR: 2.368e−02
Coefficient: 6.12e−01
N: 139
COG4910
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1.00e−05
7.50e−06
5.00e−06
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0.00e+00
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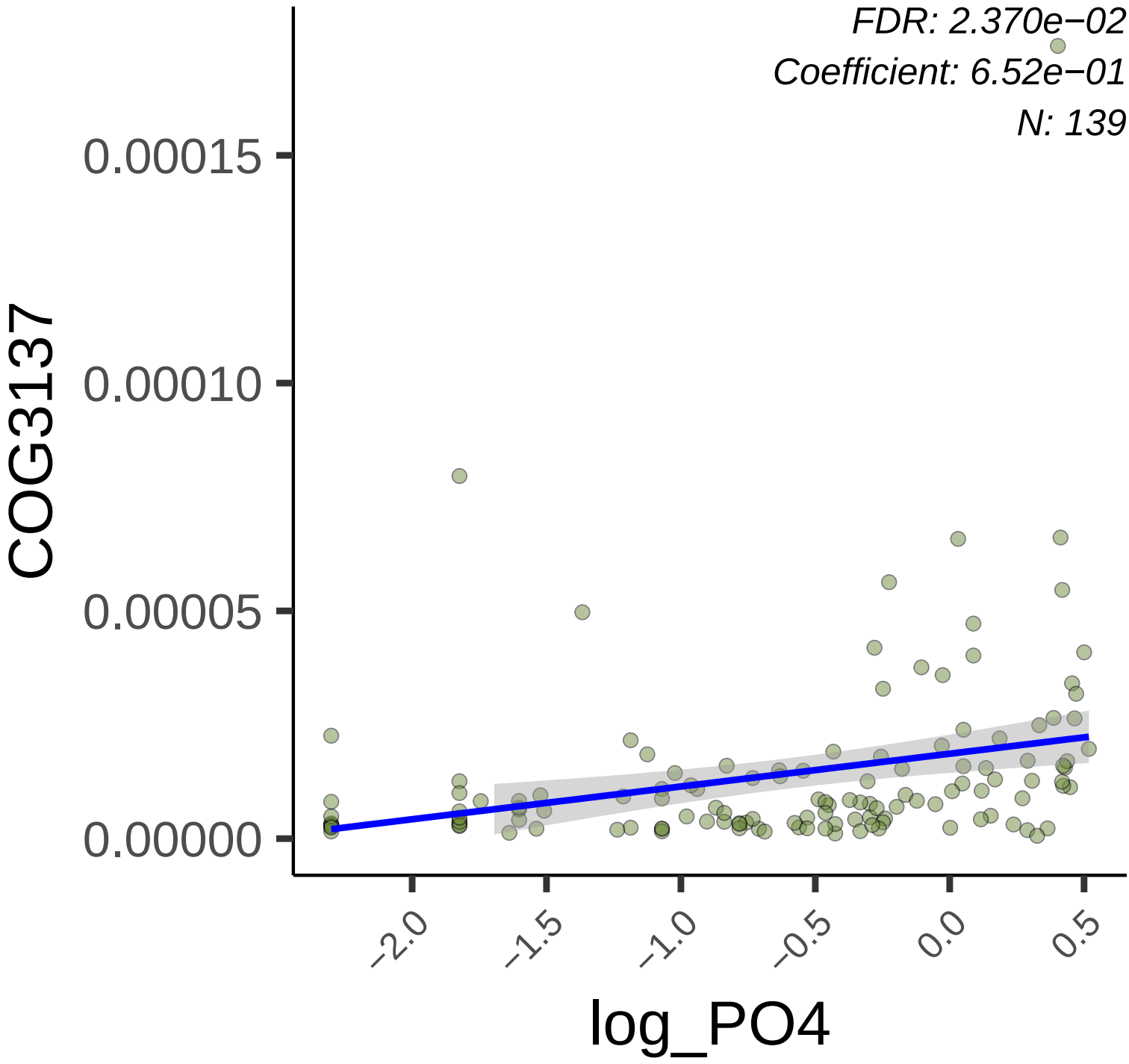
log_PO4


FDR: 2.370e−02
Coefficient: 6.52e−01
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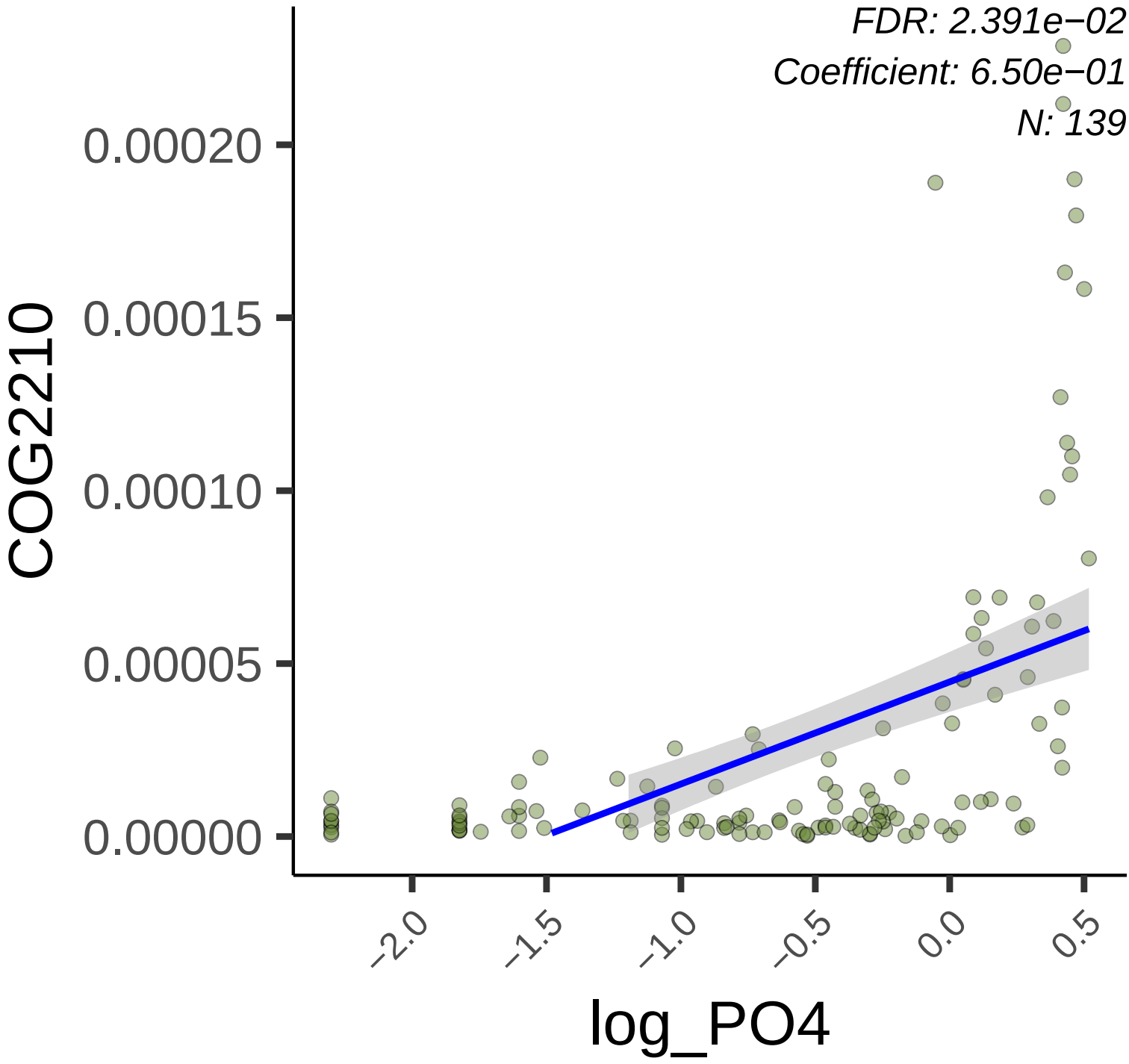
log_PO4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Coefficient: 6.50e−01
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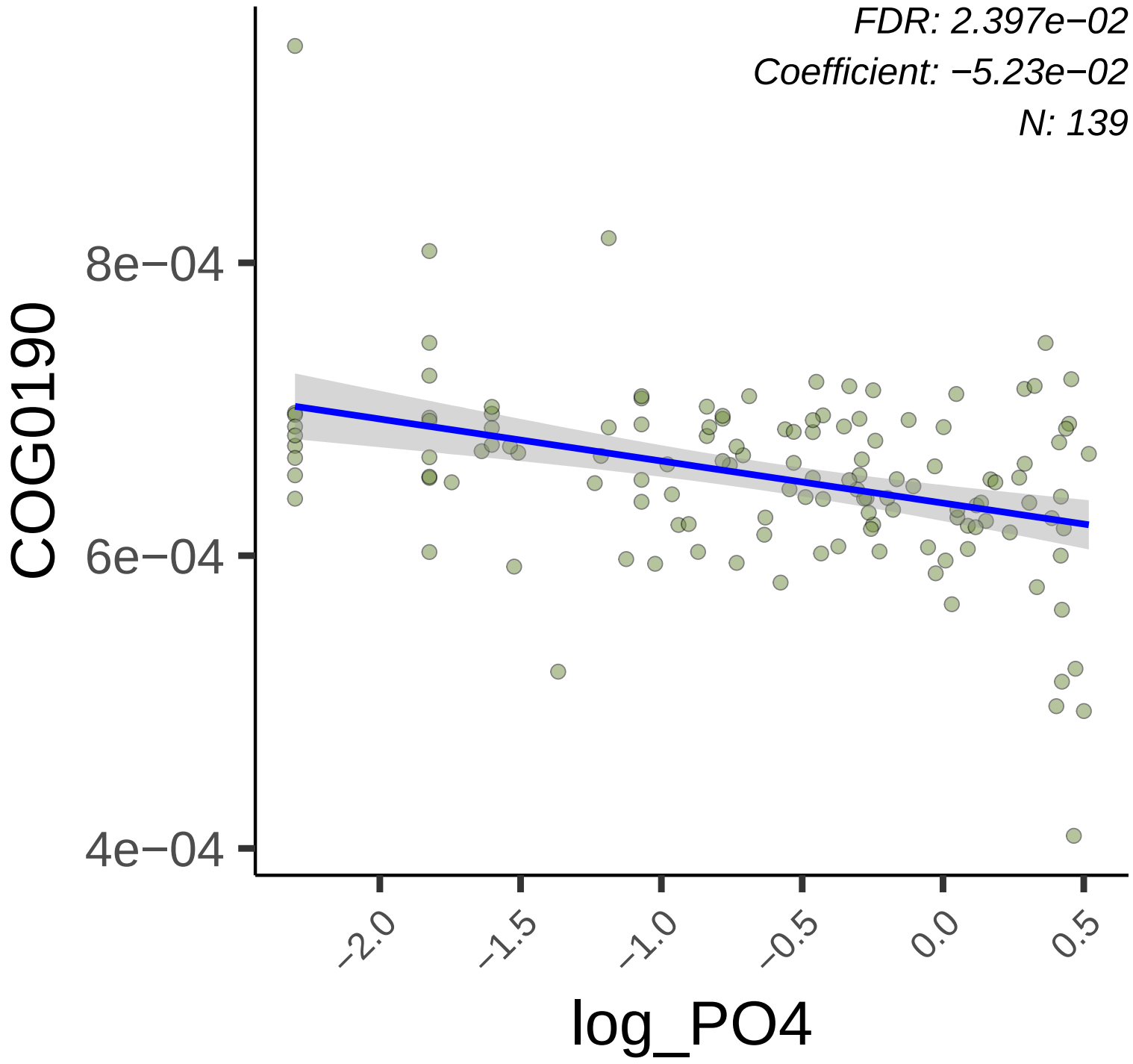
log_PO4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Coefficient: −5.23e−02
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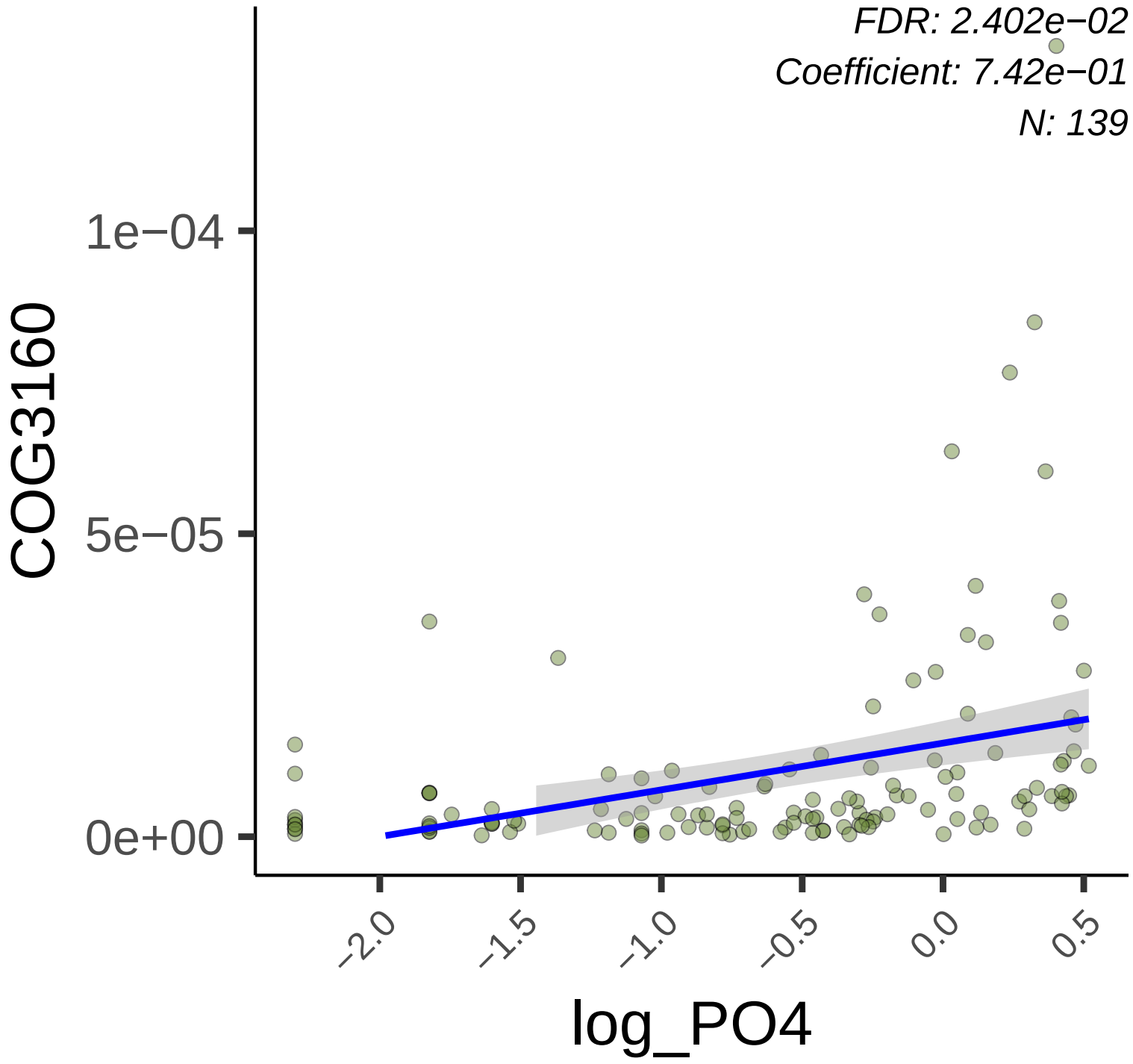
log_PO4


FDR: 2.402e−02
Coefficient: 7.42e−01
N: 139
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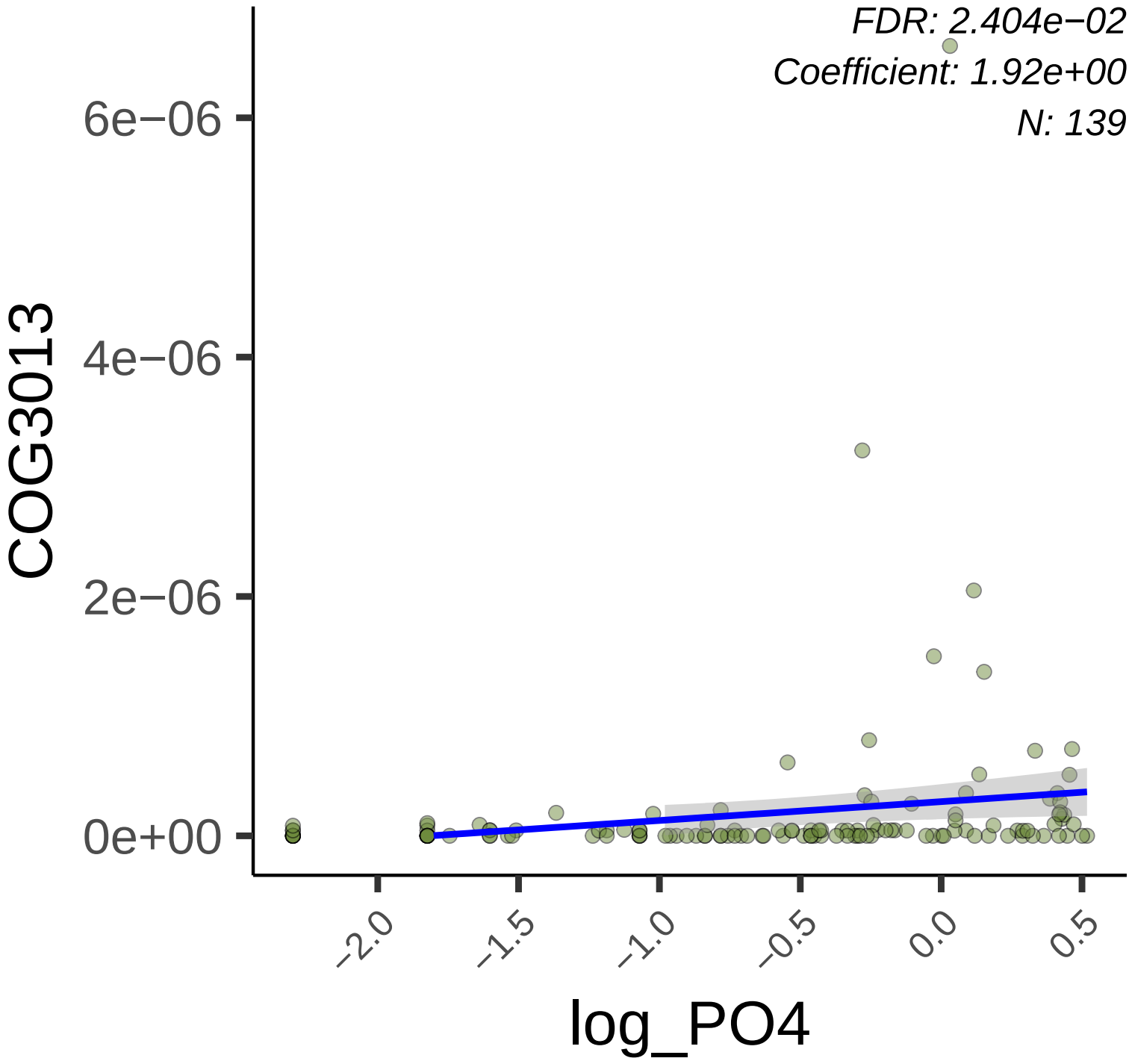
log_PO4


FDR: 2.404e−02
Coefficient: 1.92e+00
N: 139
COG3013
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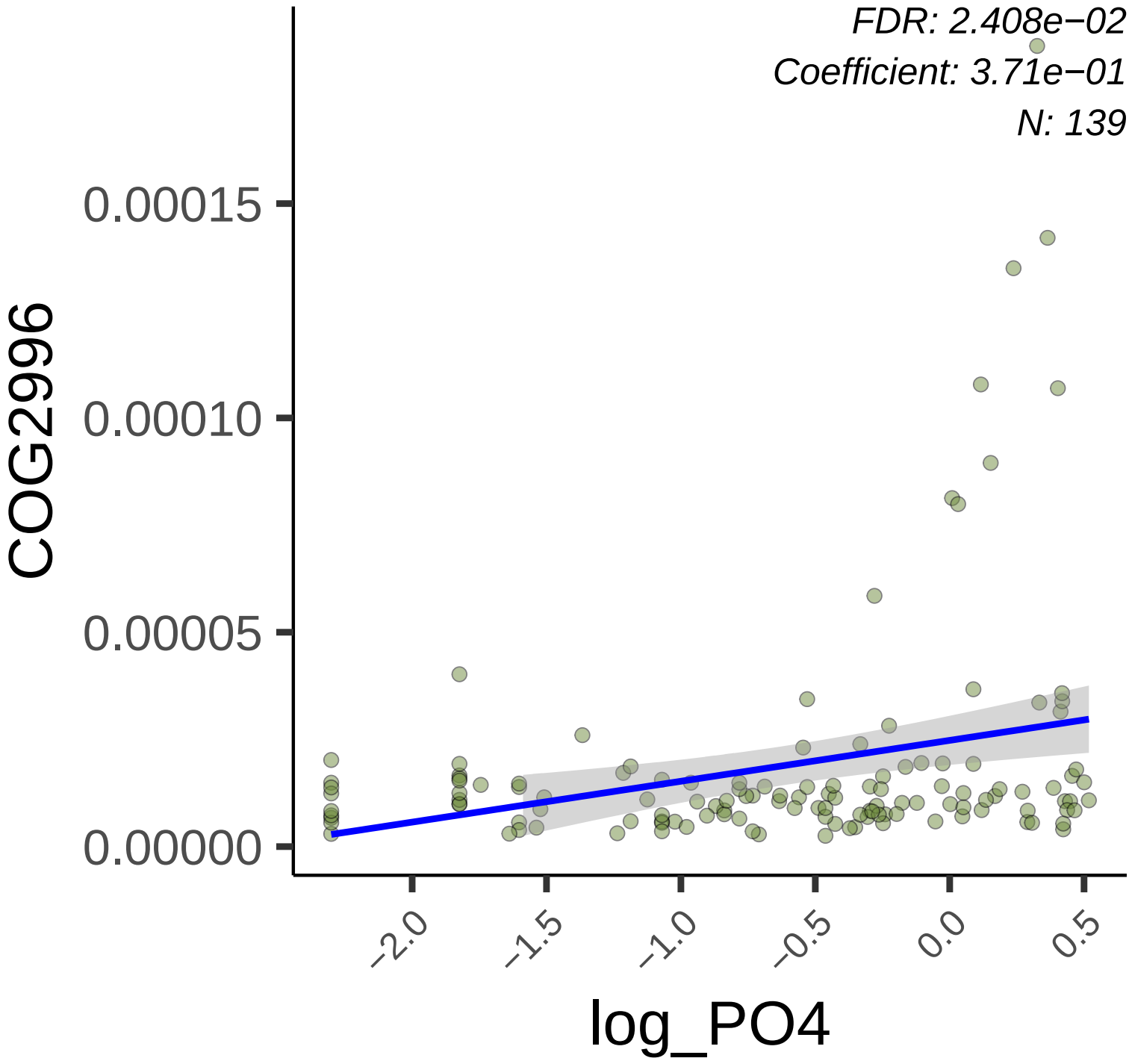
log_PO4


FDR: 2.408e−02
Coefficient: 3.71e−01
N: 139
COG2996
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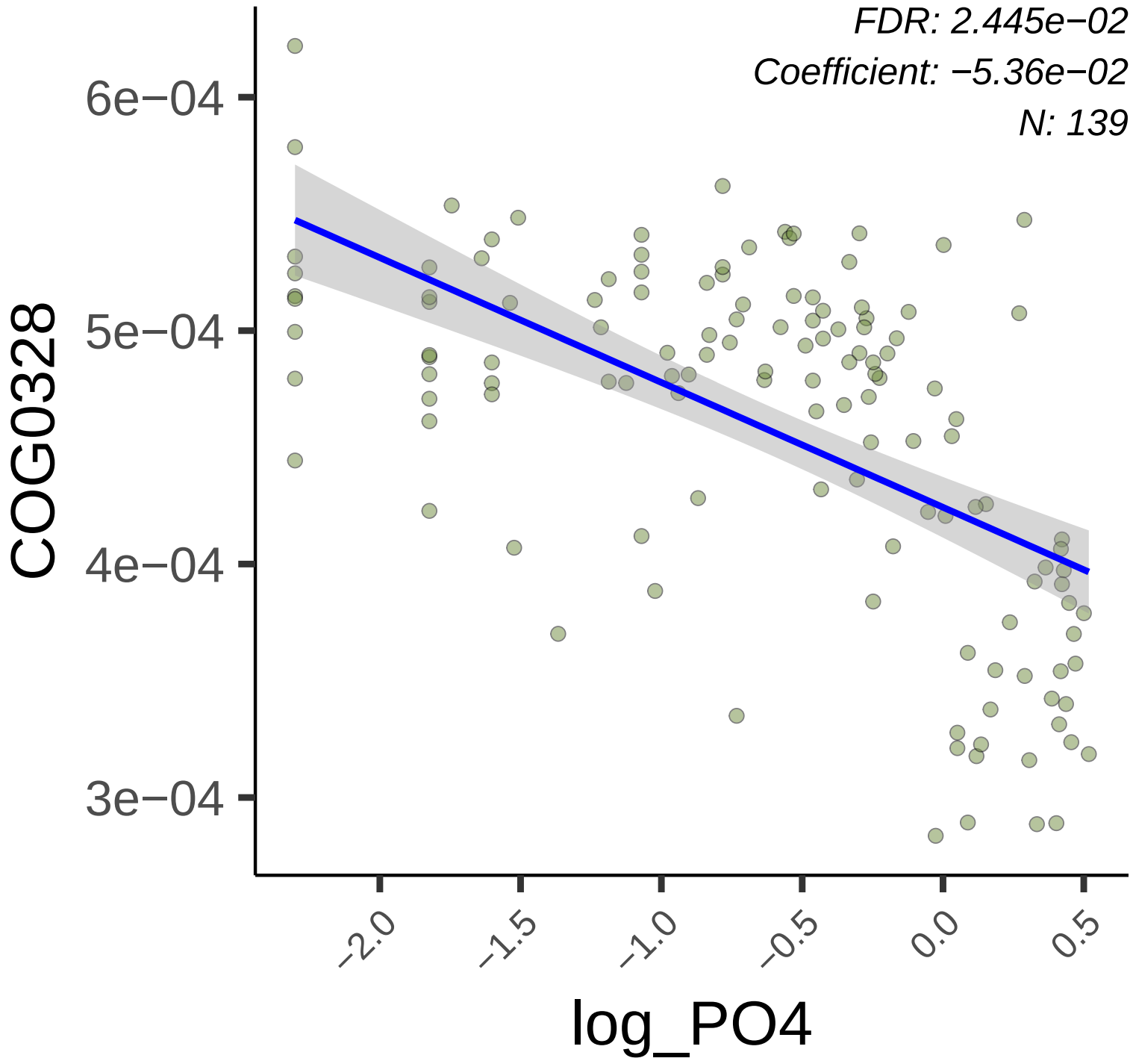
log_PO4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Coefficient: −5.36e−02
N: 139
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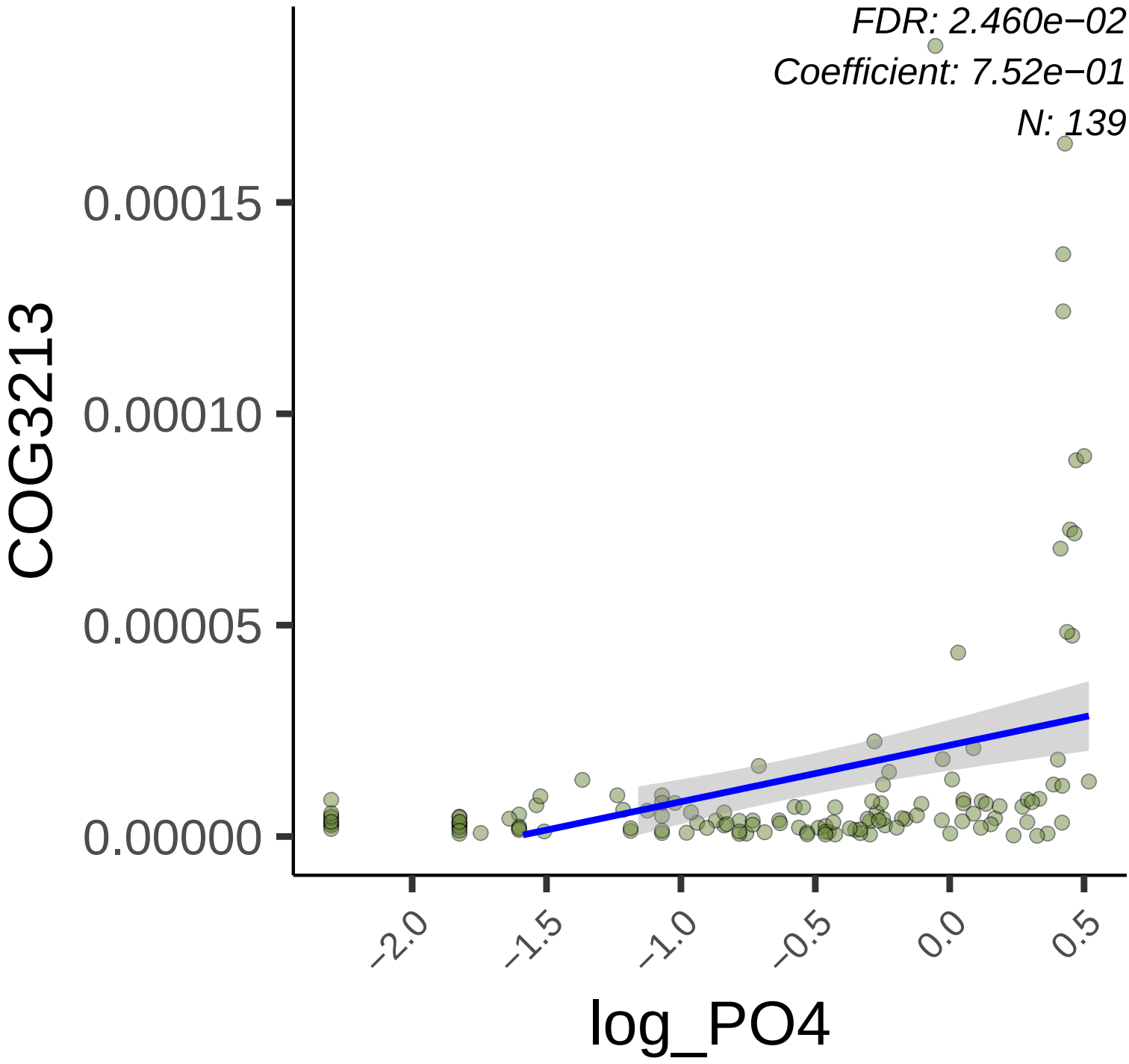
log_PO4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Coefficient: 7.52e−01
N: 139
COG3213
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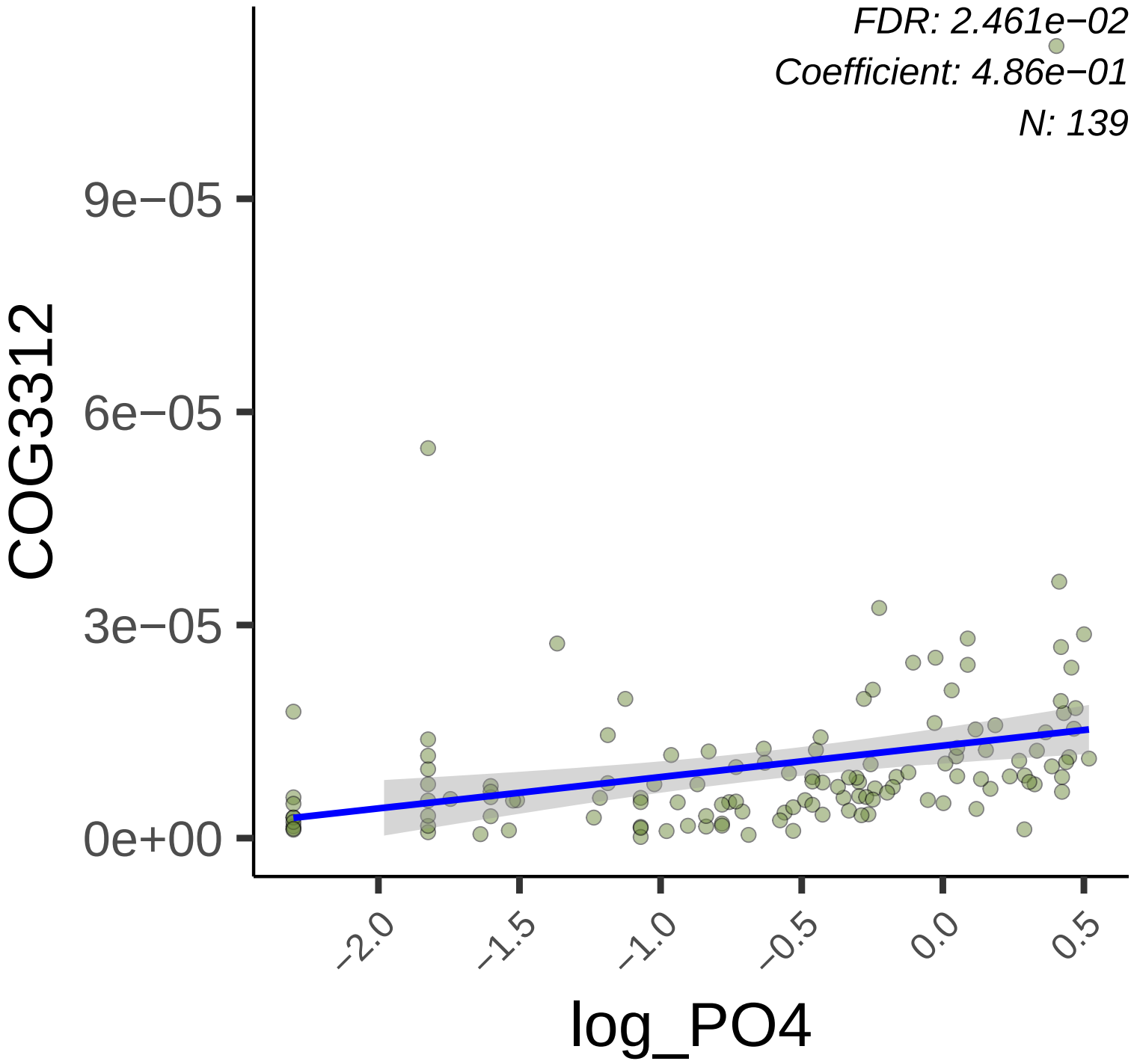
log_PO4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Coefficient: 4.86e−01
N: 139
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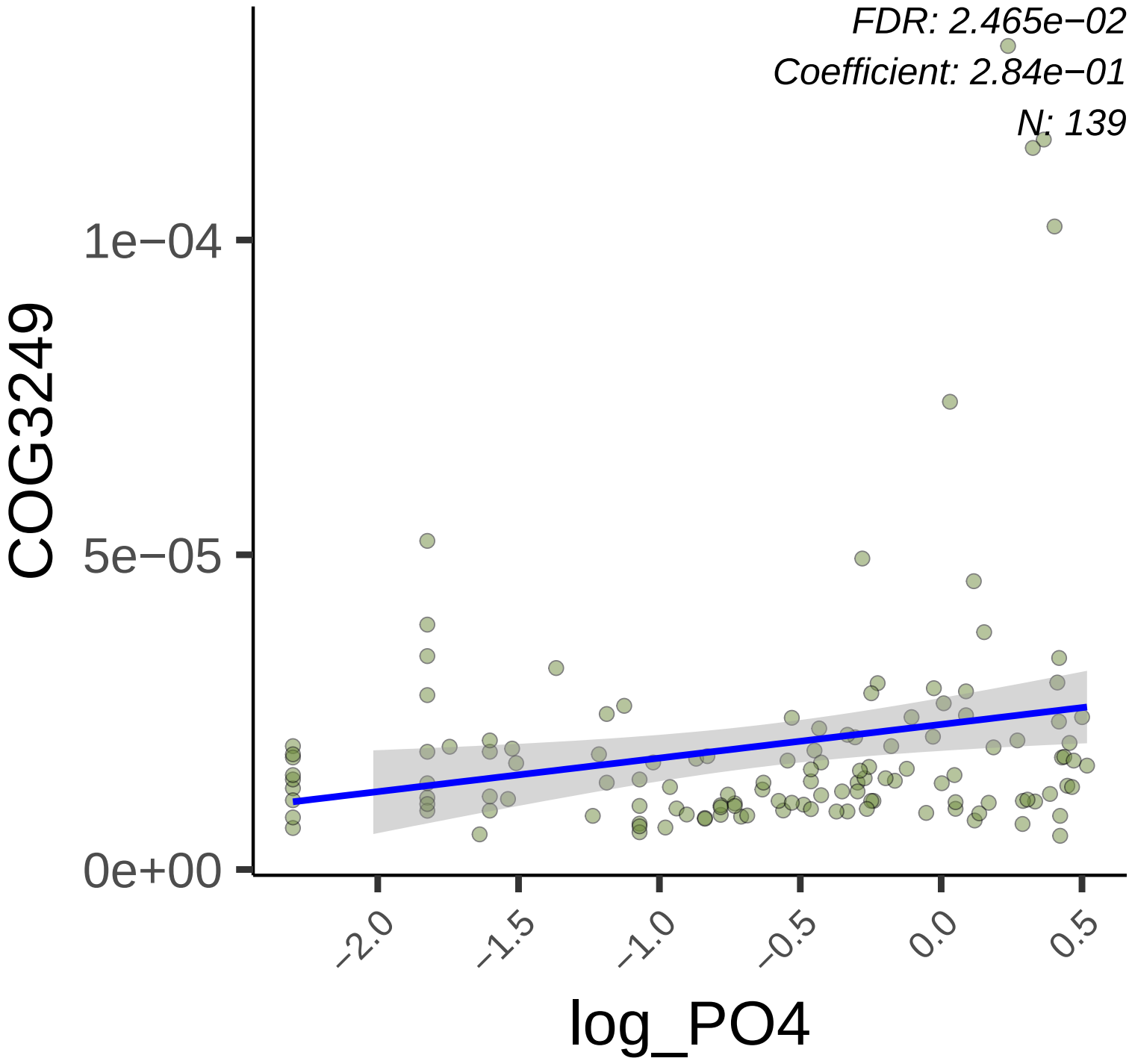
log_PO4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Coefficient: 2.84e−01
N: 139
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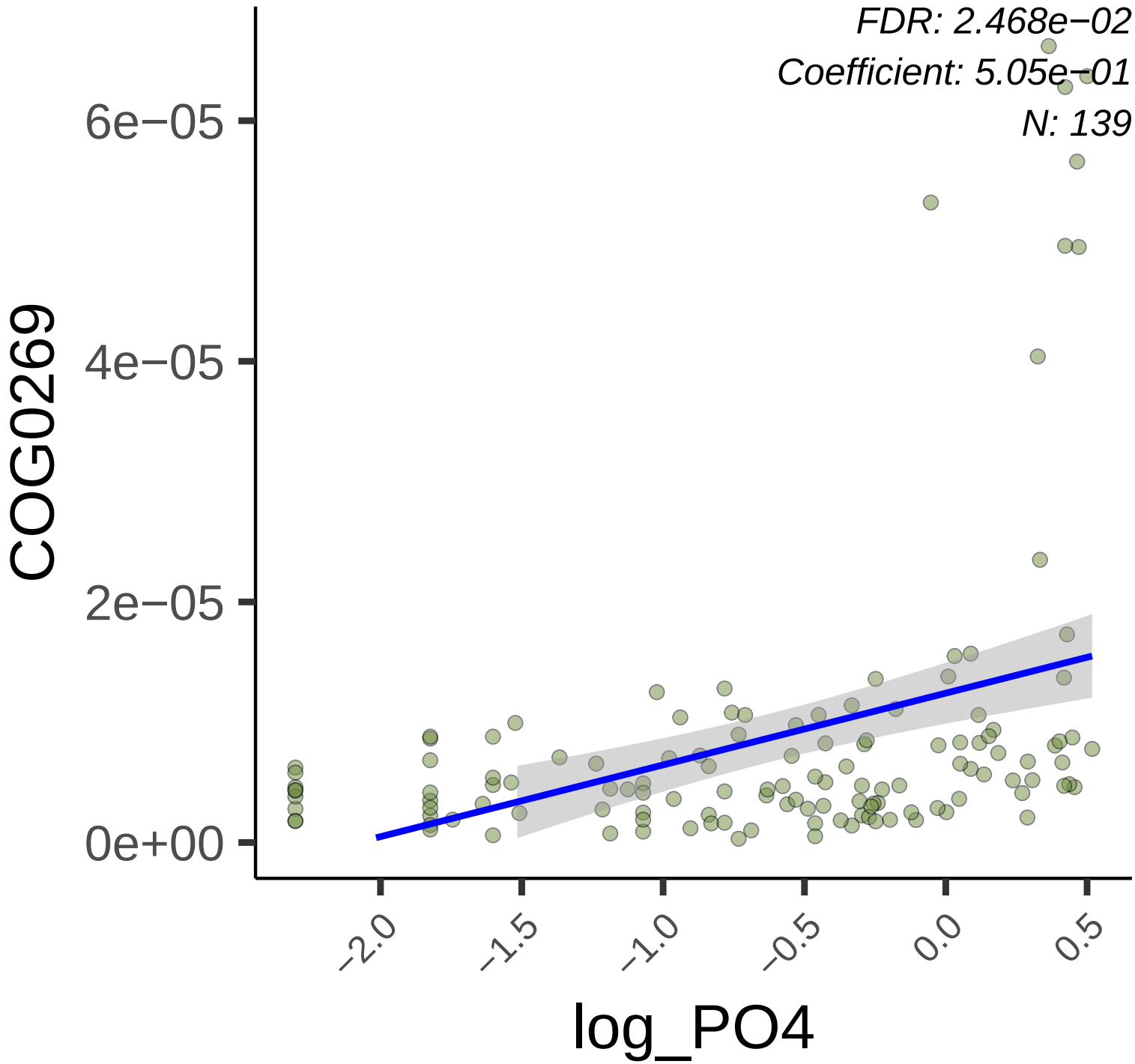
log_PO4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Coefficient: 5.05e−01
N: 139
COG0269
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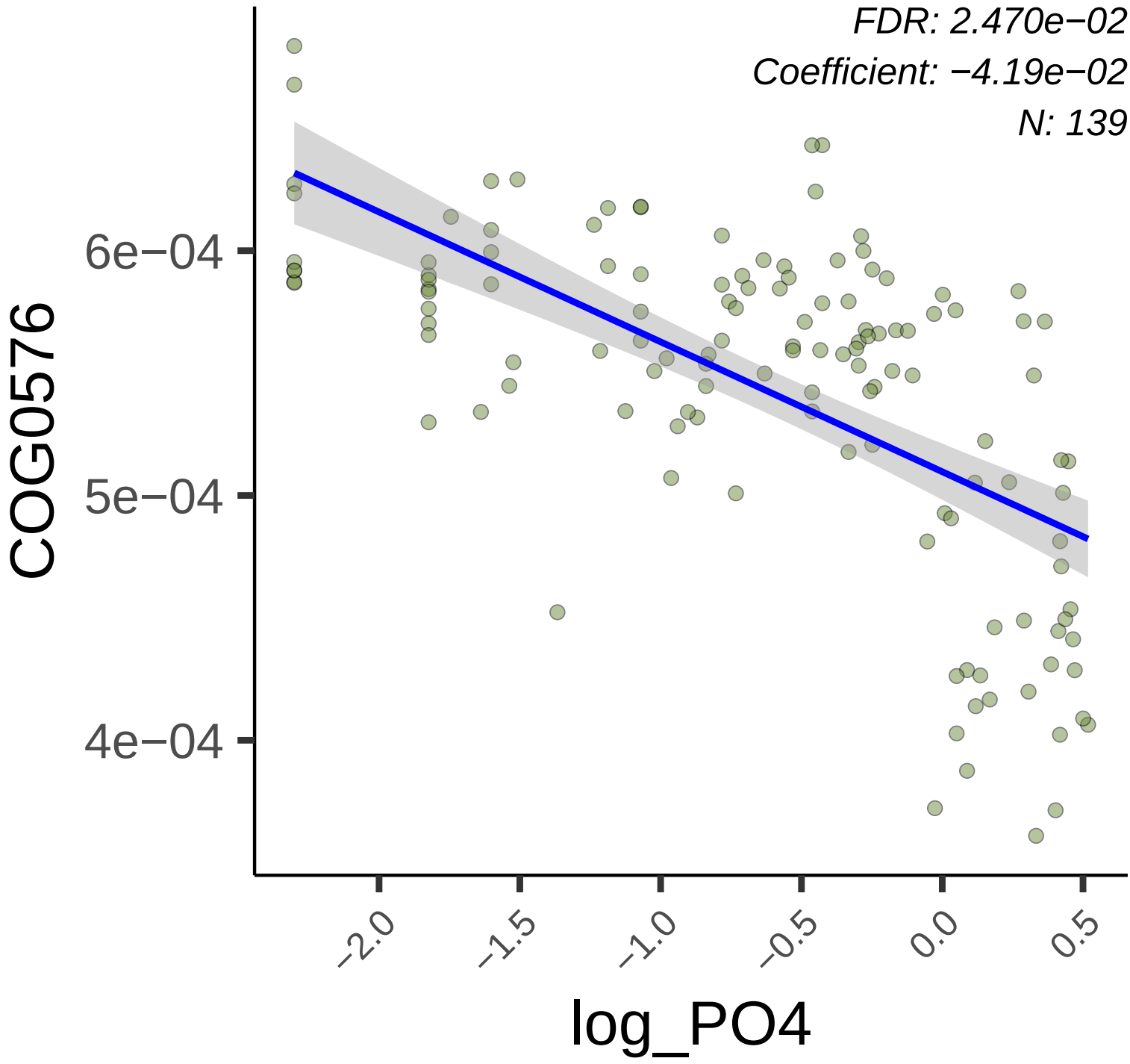
log_PO4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Coefficient: −4.19e−02
N: 139
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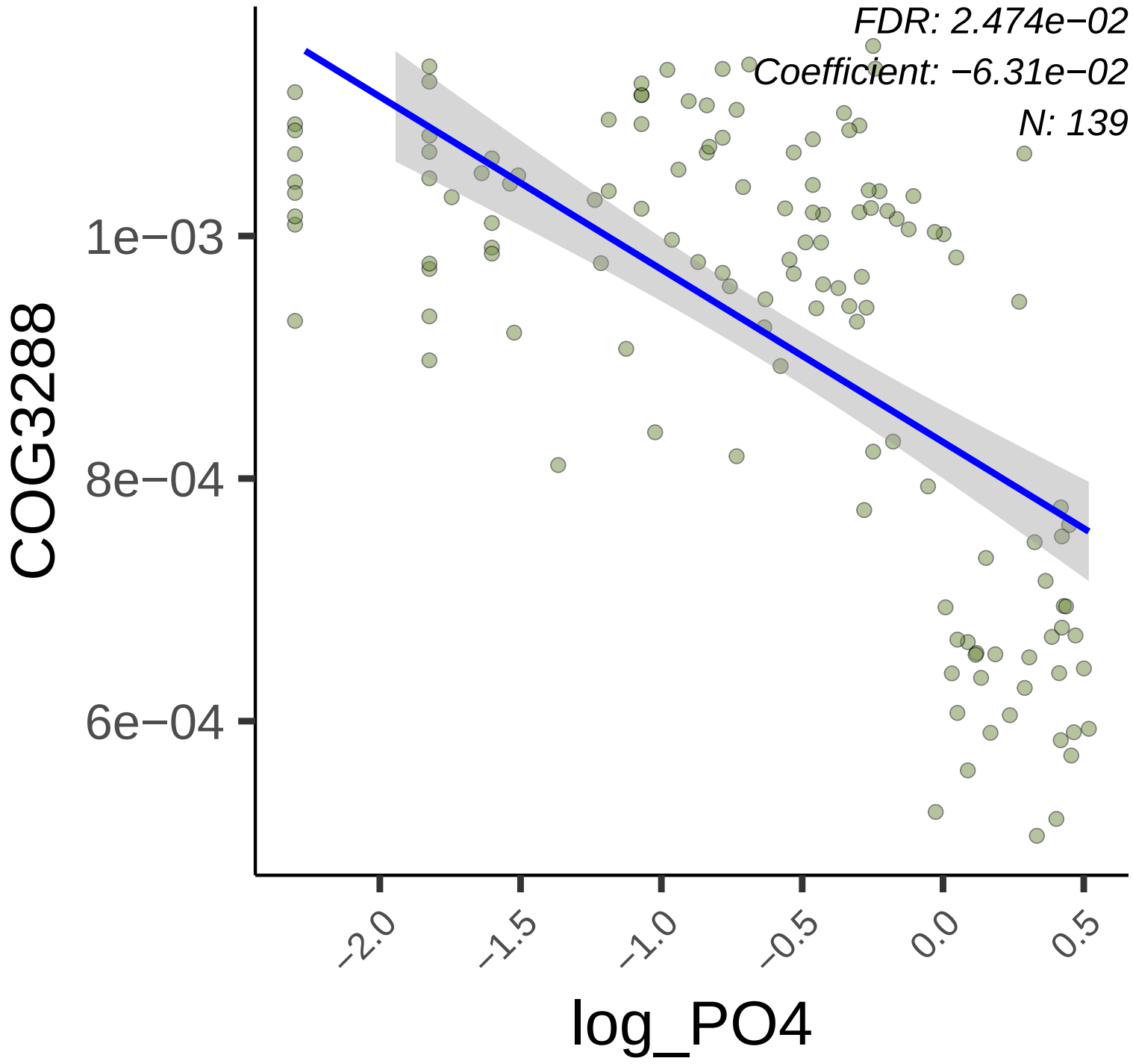
log_PO4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Coefficient: −6.31e−02
N: 139
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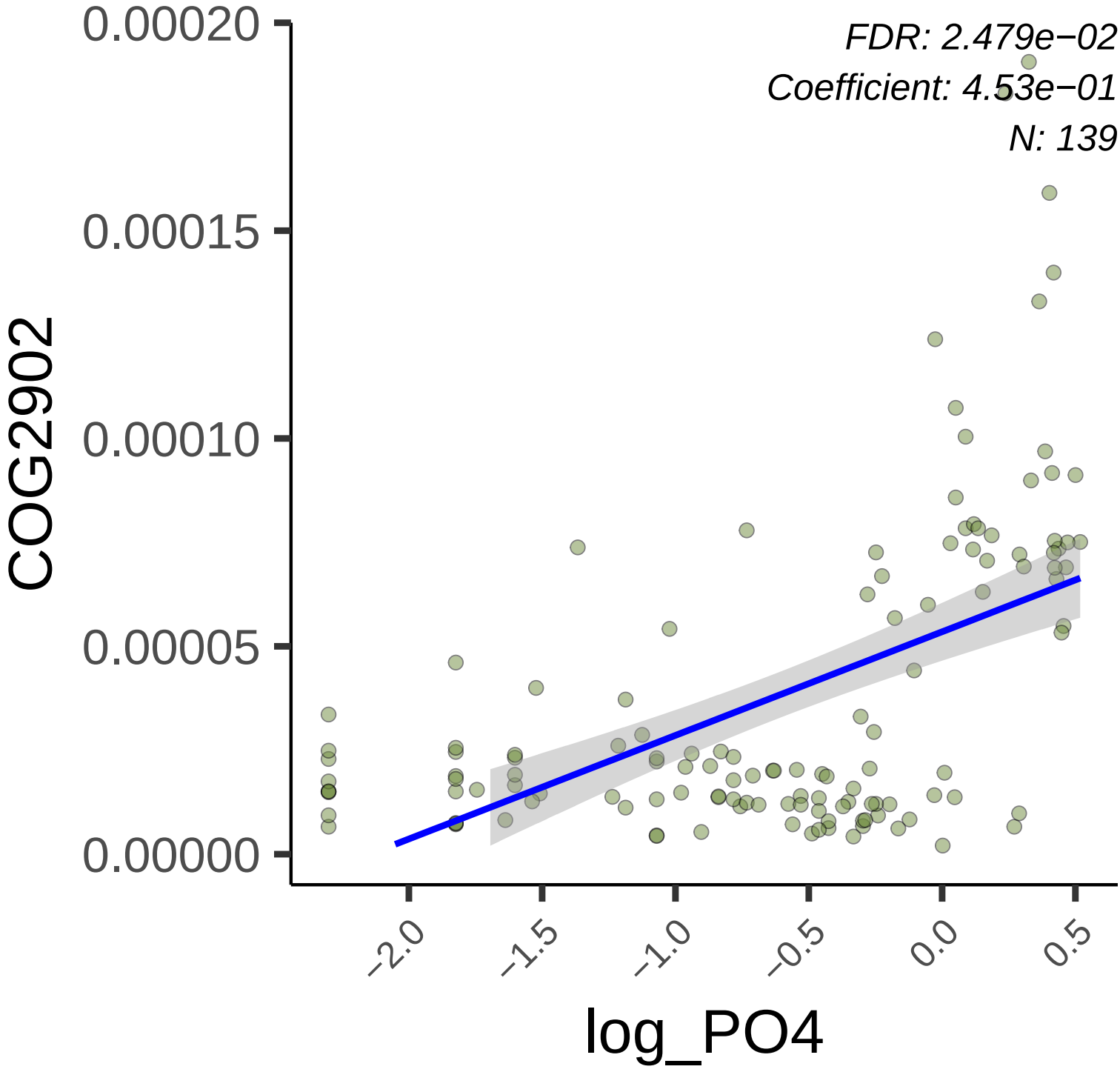
log_PO4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Coefficient: 4.53e−01
N: 139
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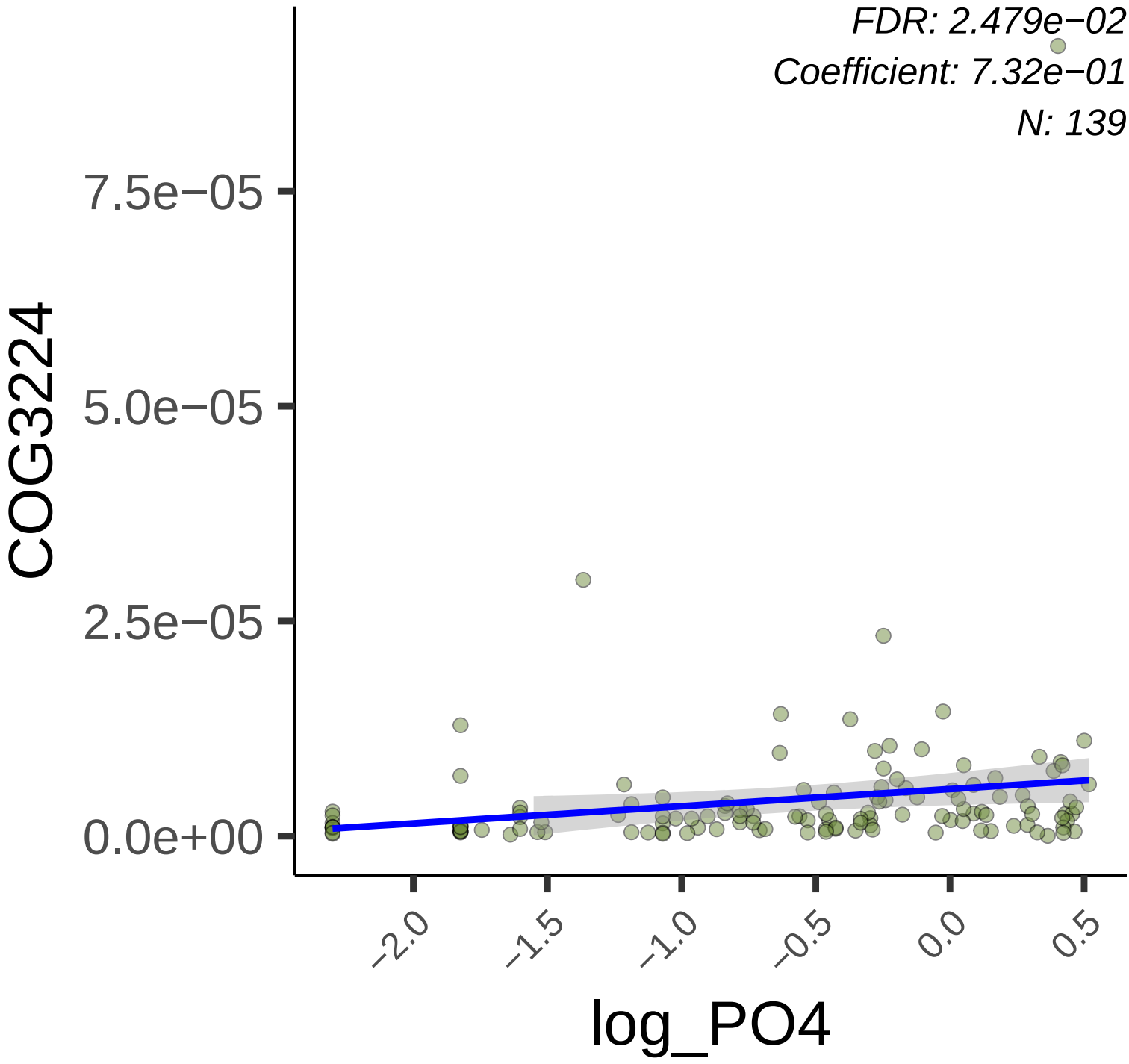
log_PO4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Coefficient: 7.32e−01
N: 139
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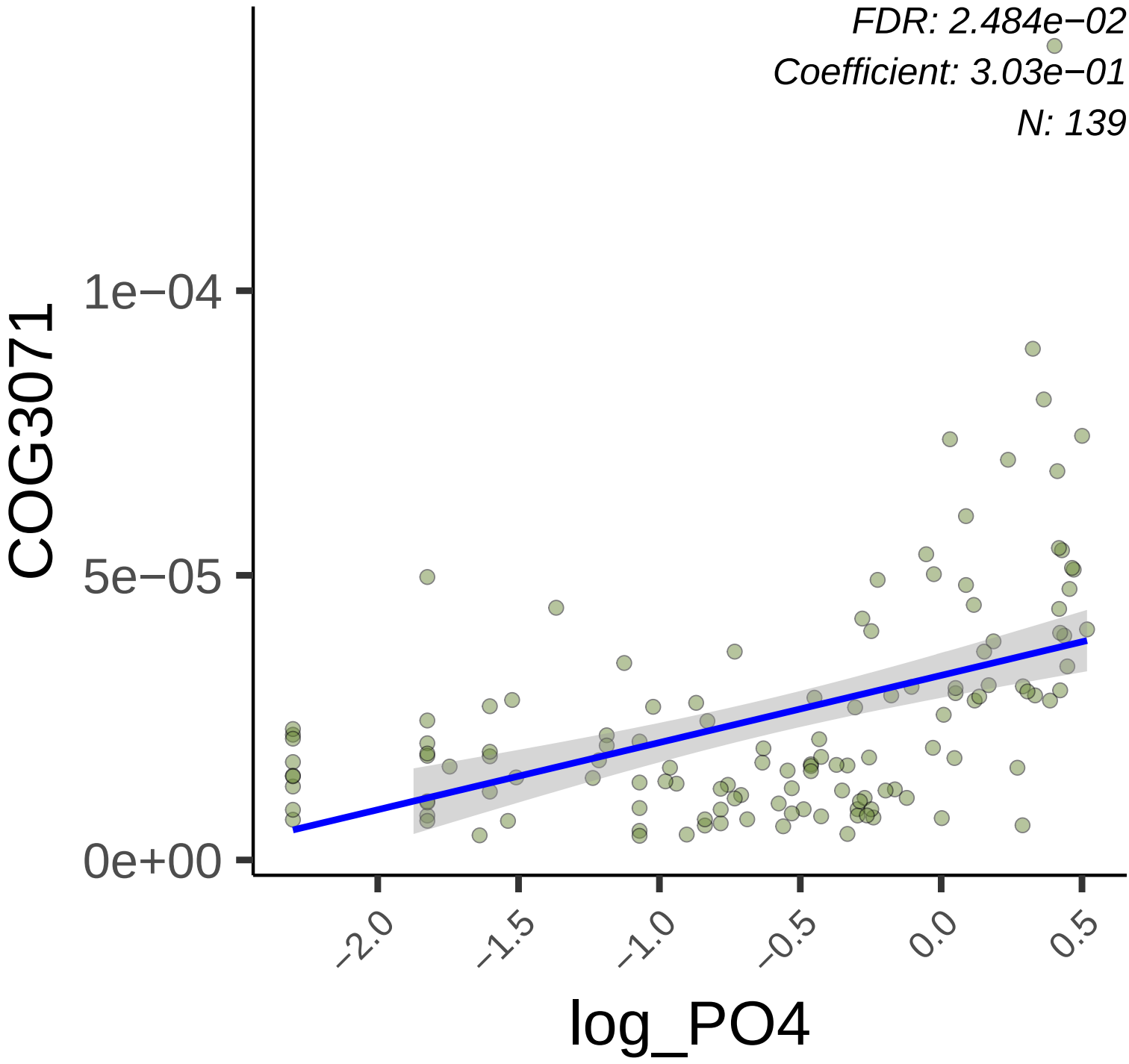
log_PO4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Coefficient: 3.03e−01
N: 139
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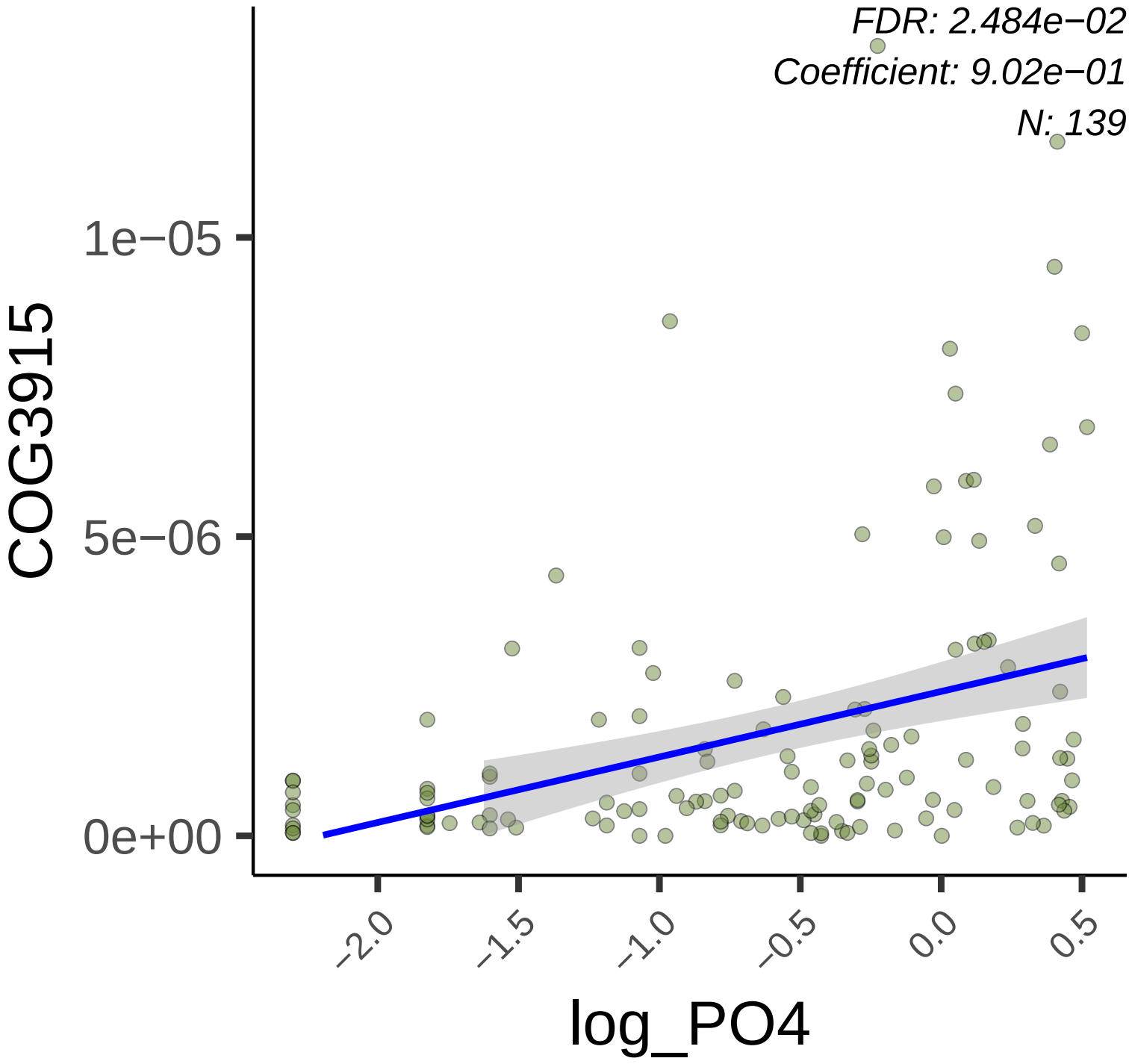
log_PO4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Coefficient: 9.02e−01
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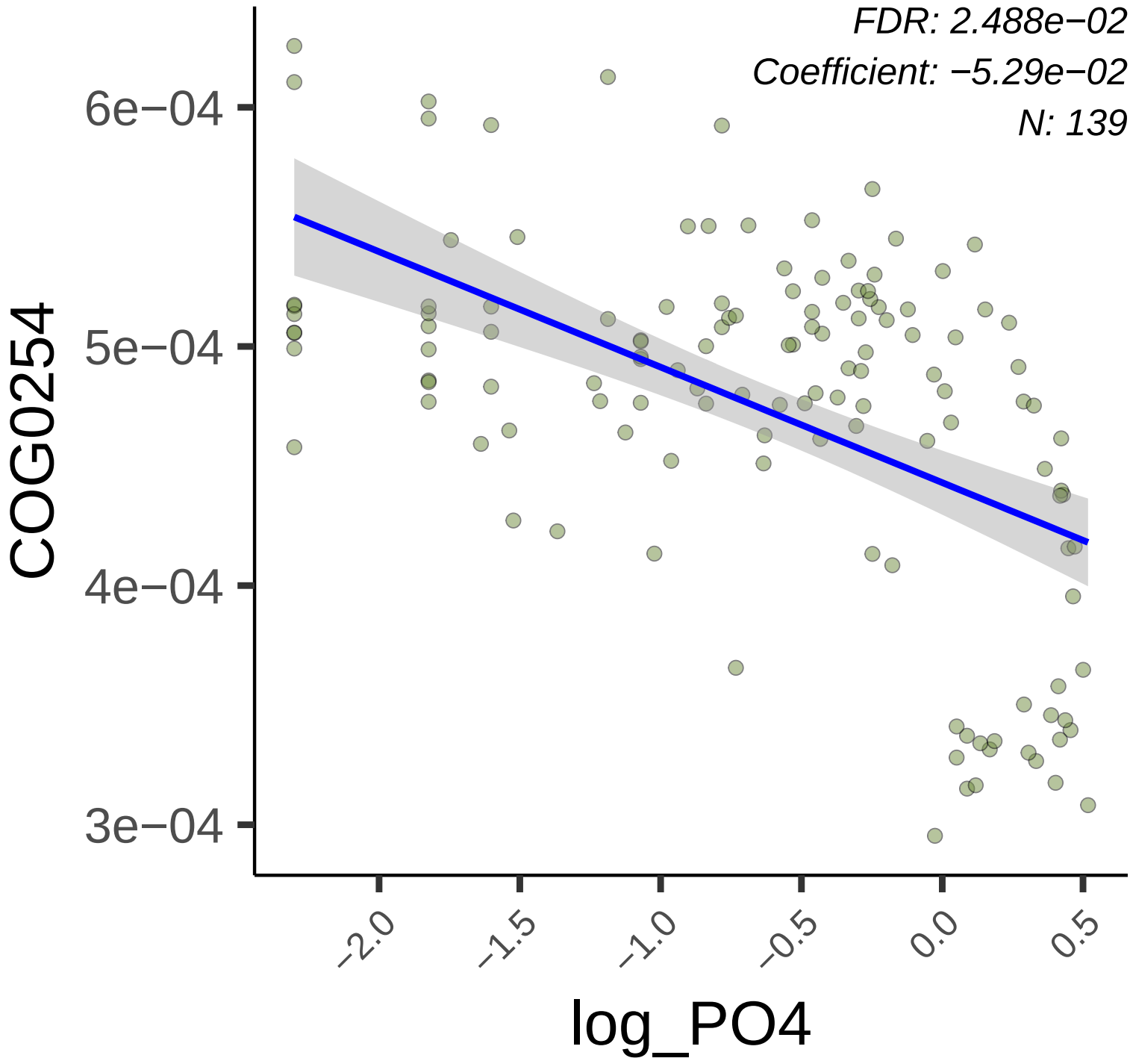
log_PO4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Coefficient: −5.29e−02
N: 139
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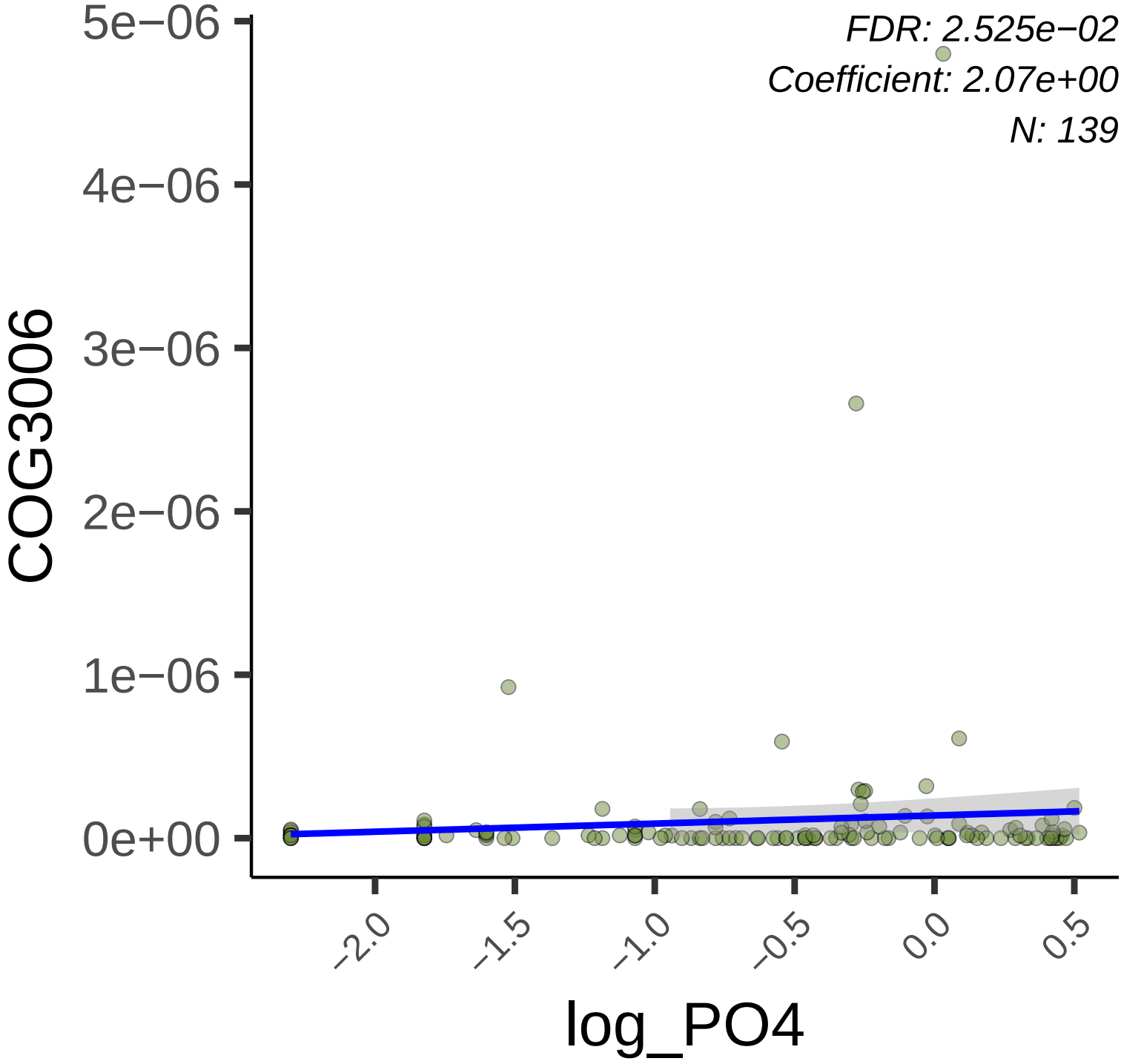
log_PO4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Coefficient: 2.07e+00
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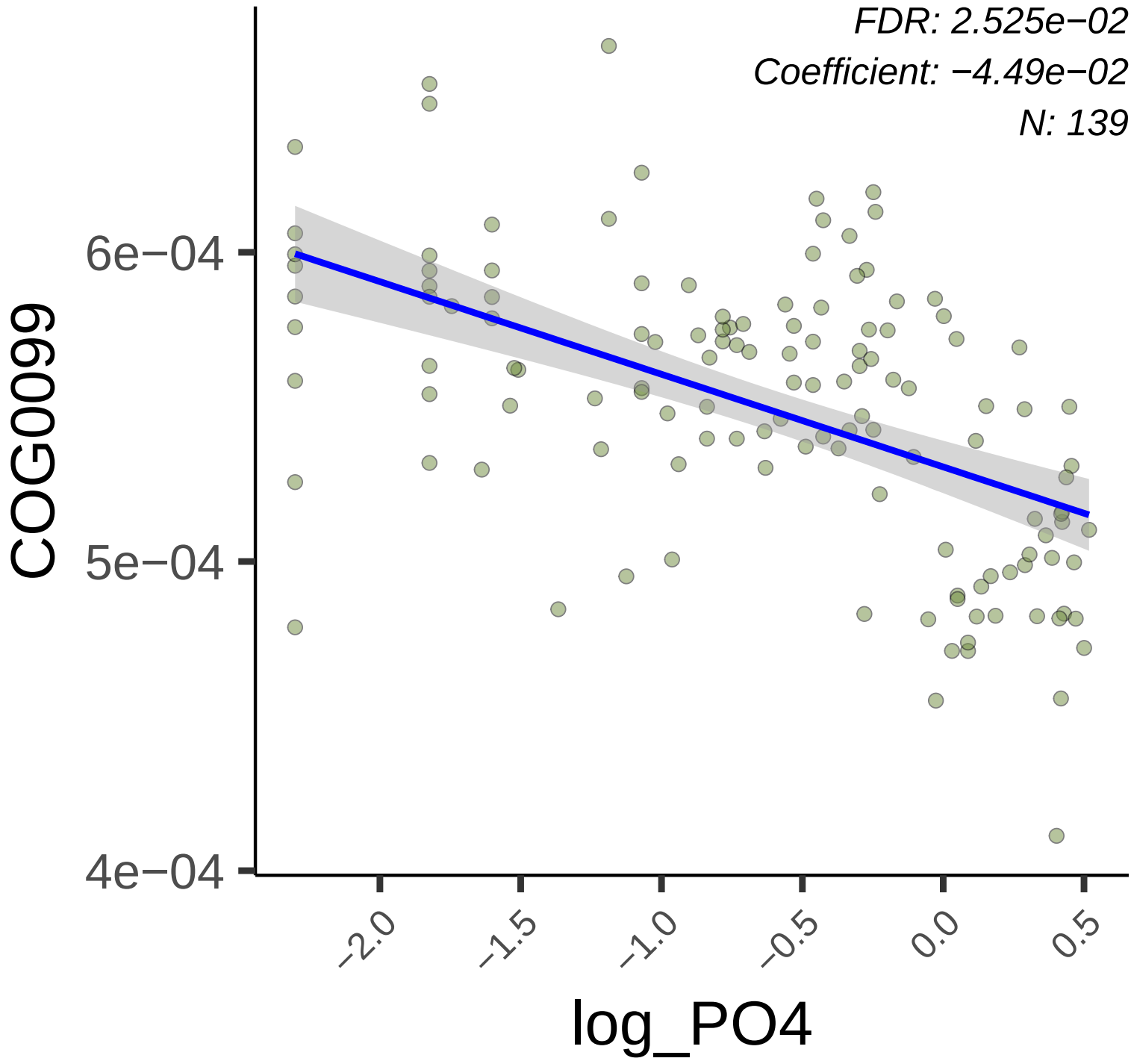
log_PO4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Coefficient: −4.49e−02
N: 139
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4e−04
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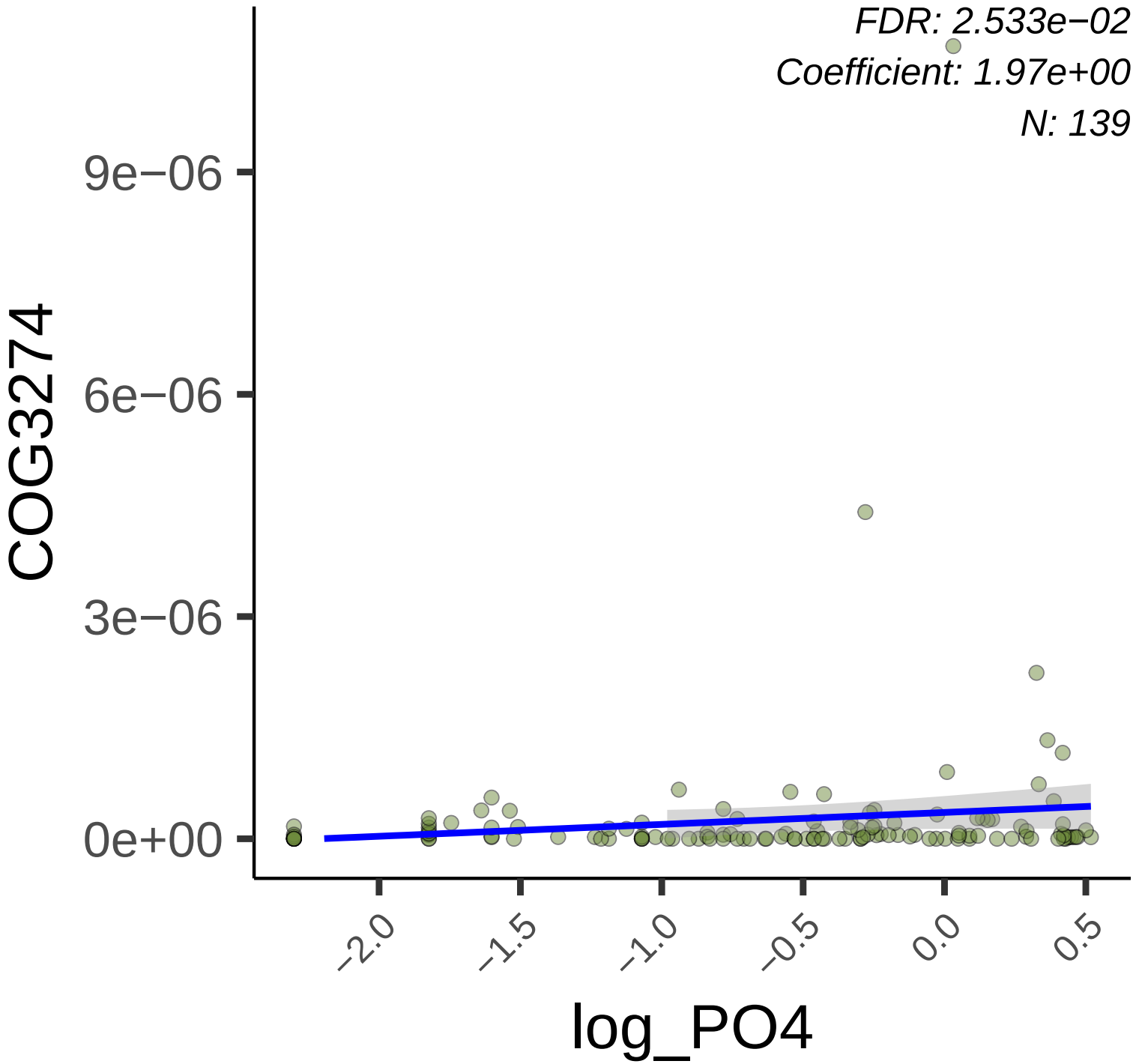
log_PO4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Coefficient: 1.97e+00
N: 139
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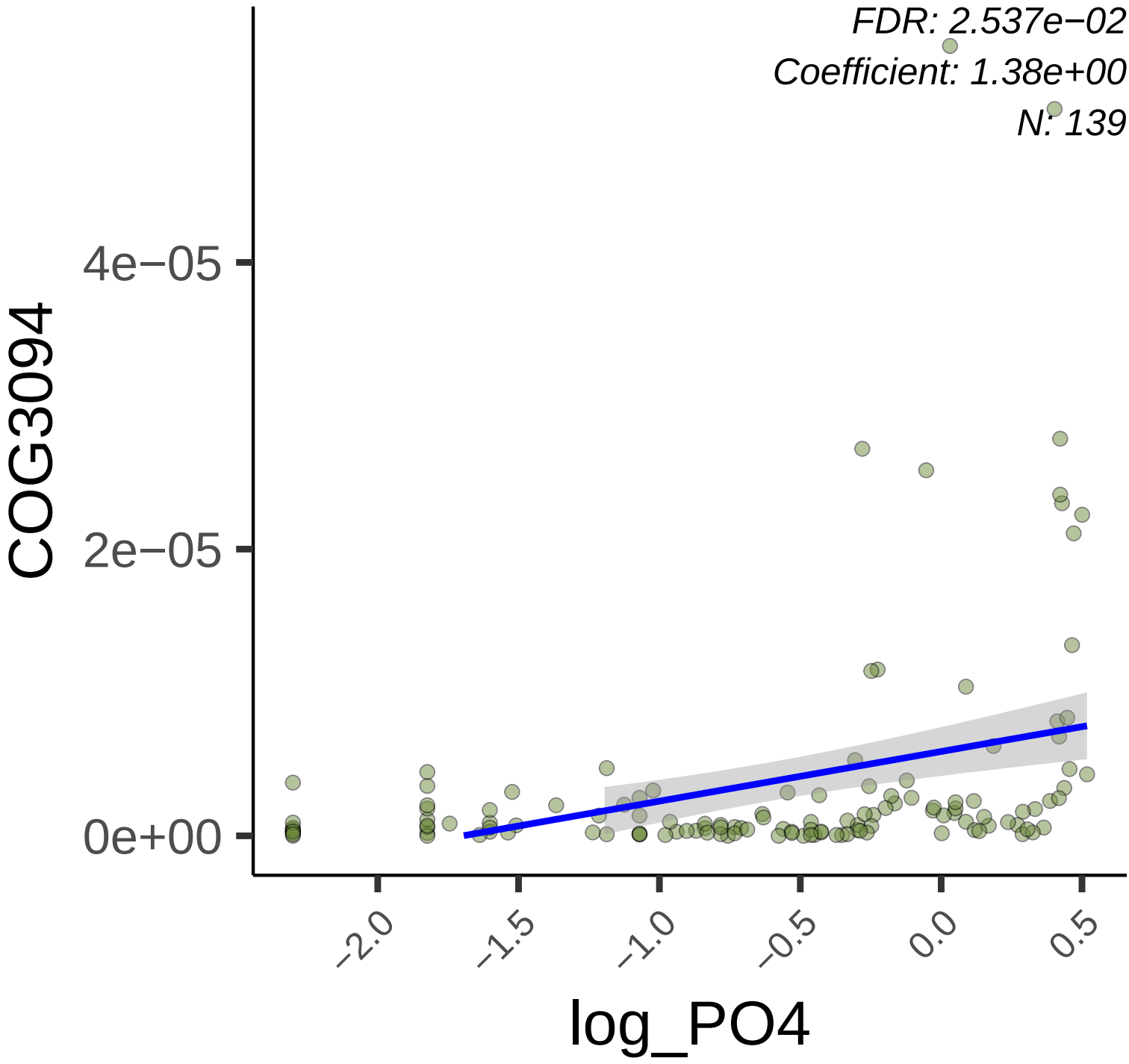
log_PO4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Coefficient: 1.38e+00
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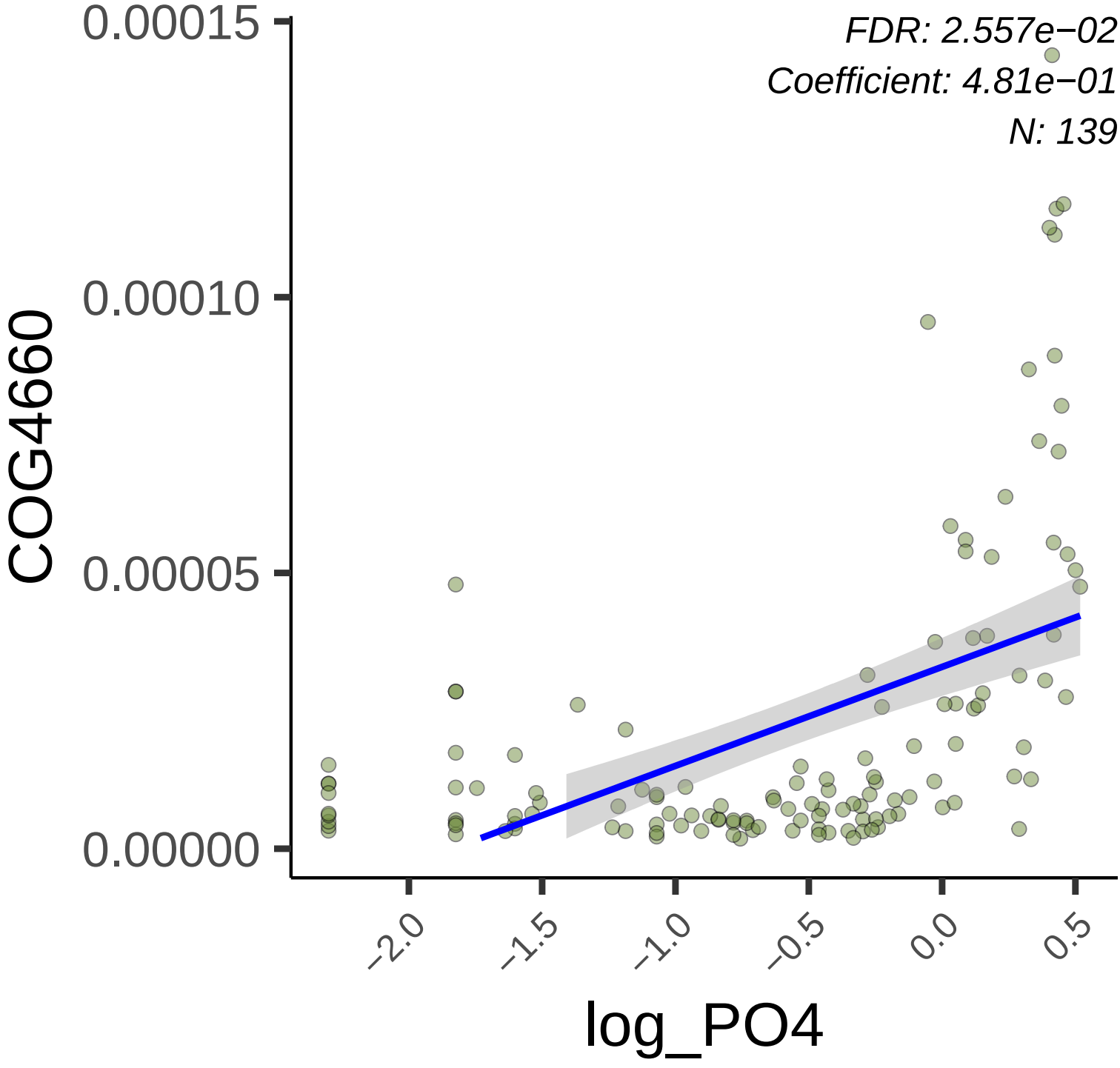
log_PO4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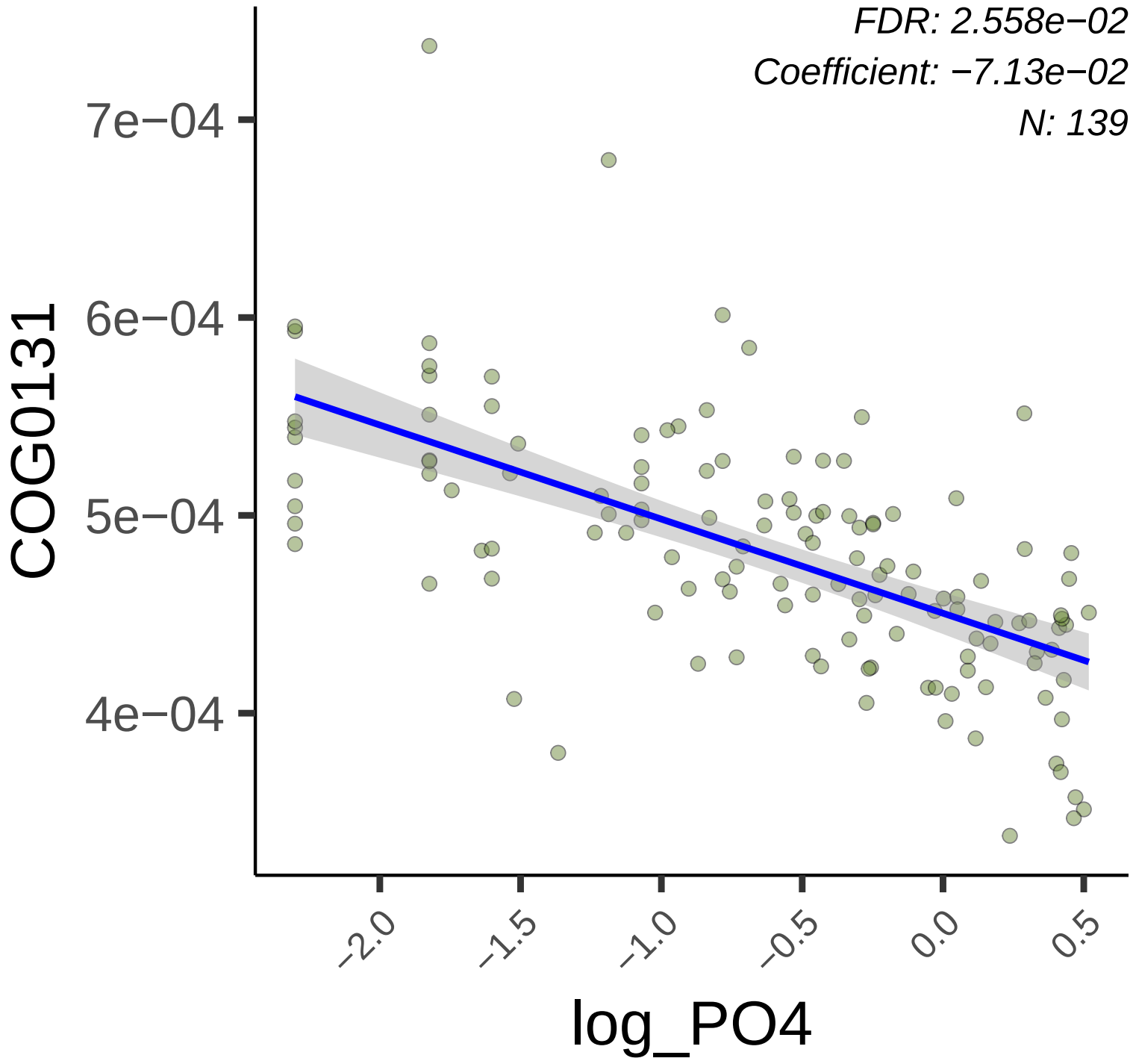
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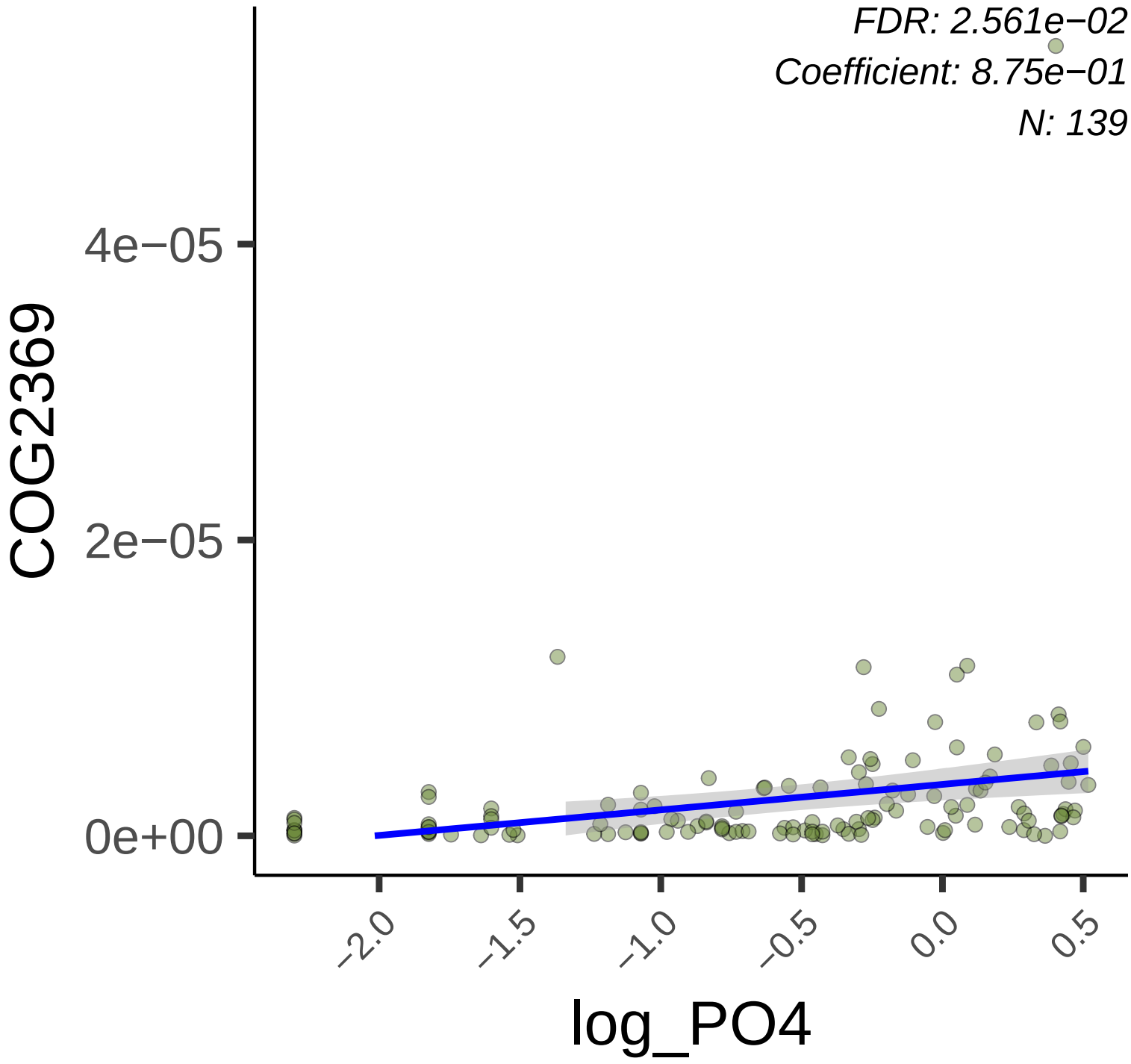
log_PO4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Coefficient: 8.75e−01
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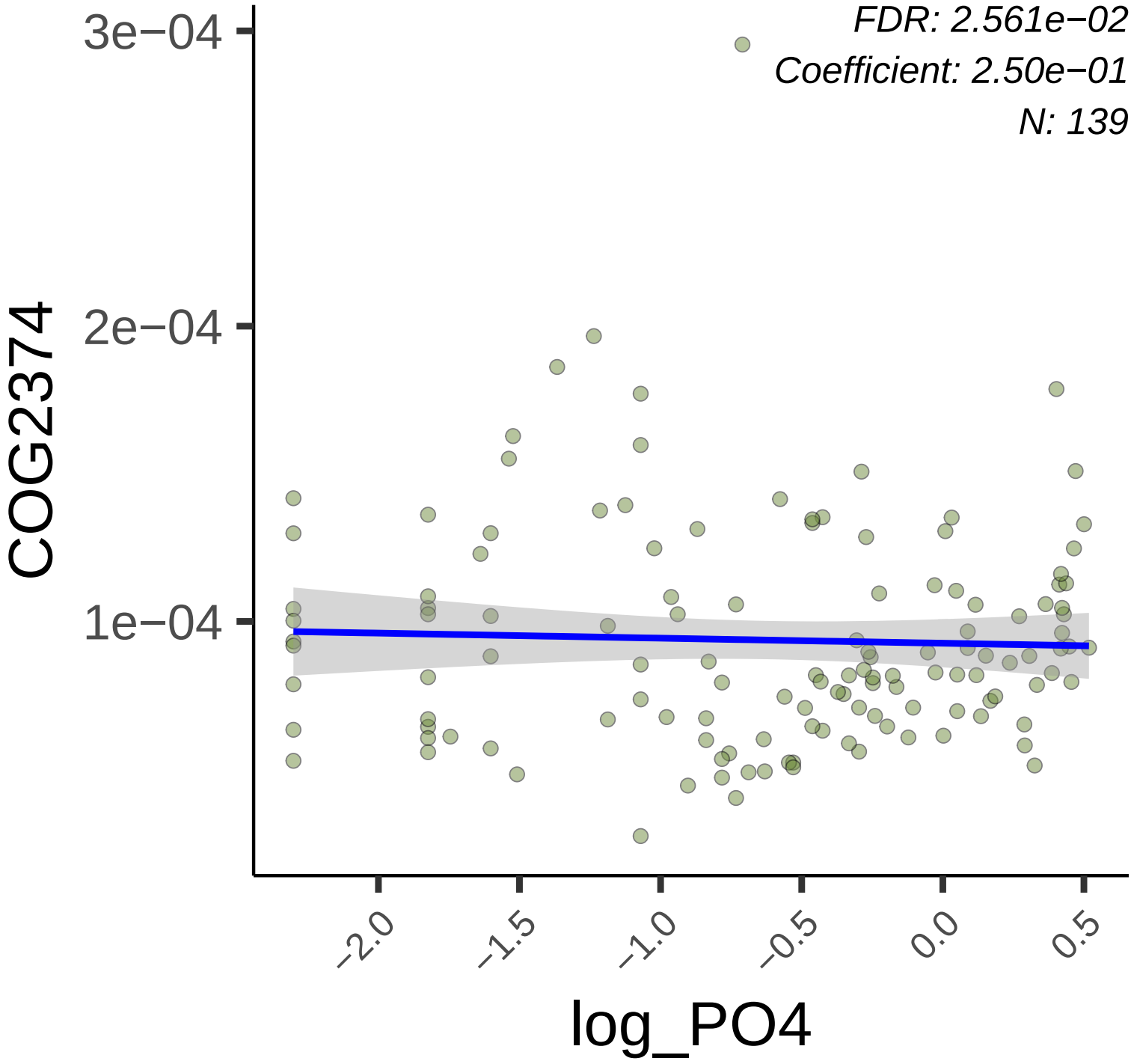
log_PO4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Coefficient: 2.50e−01
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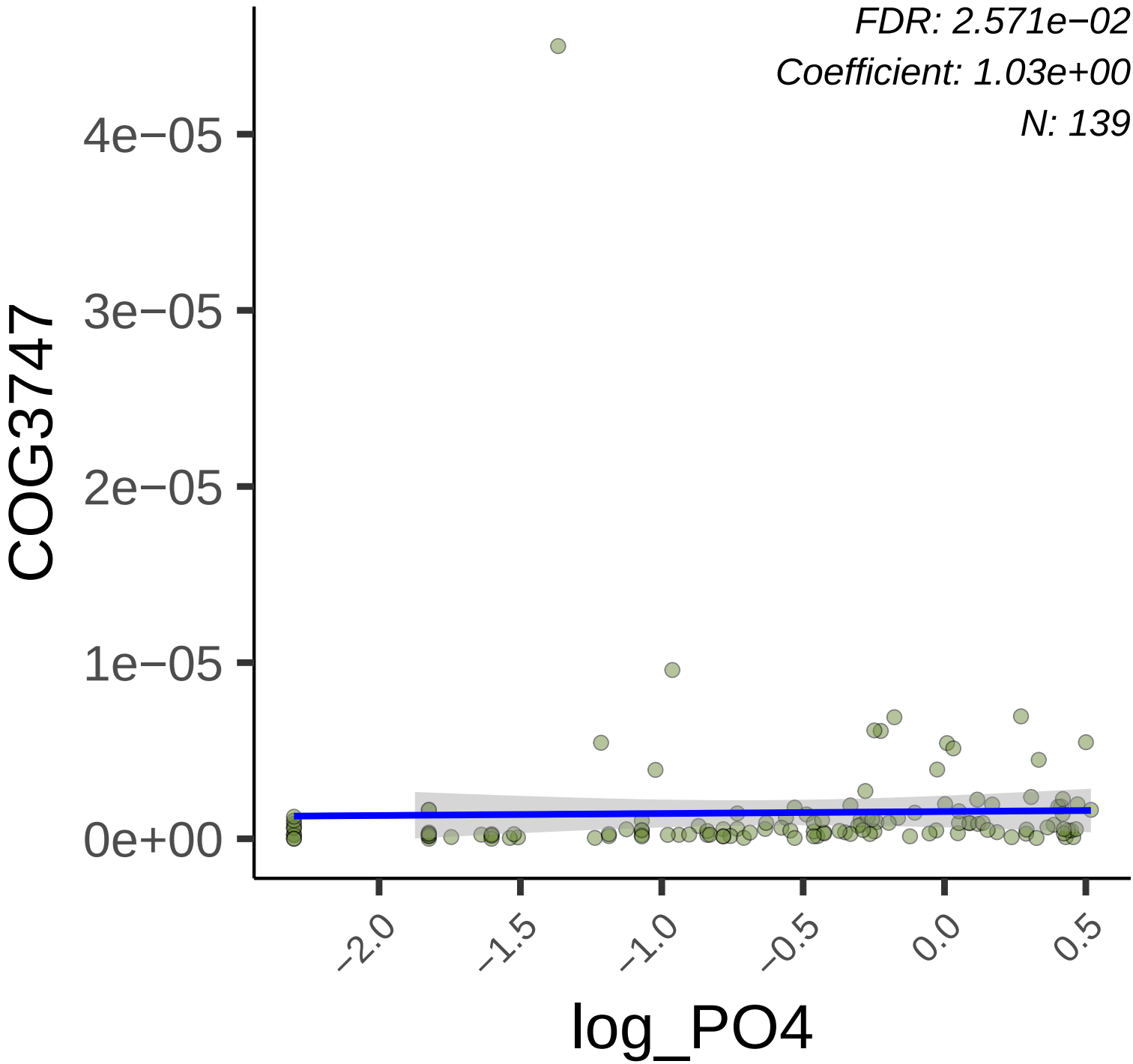
log_PO4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Coefficient: 1.03e+00
N: 139
COG3747
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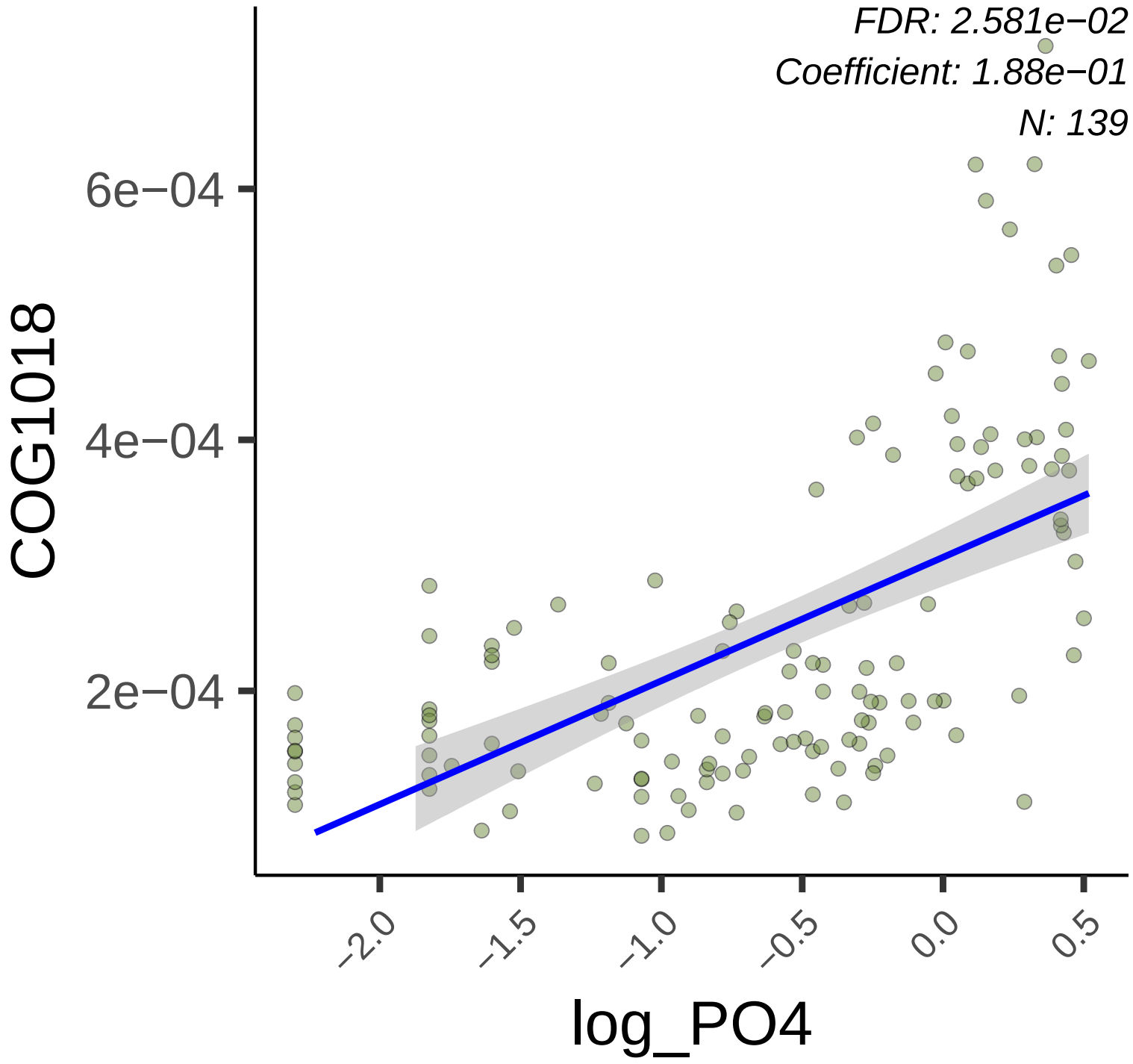
log_PO4


FDR: 2.581e−02
Coefficient: 1.88e−01
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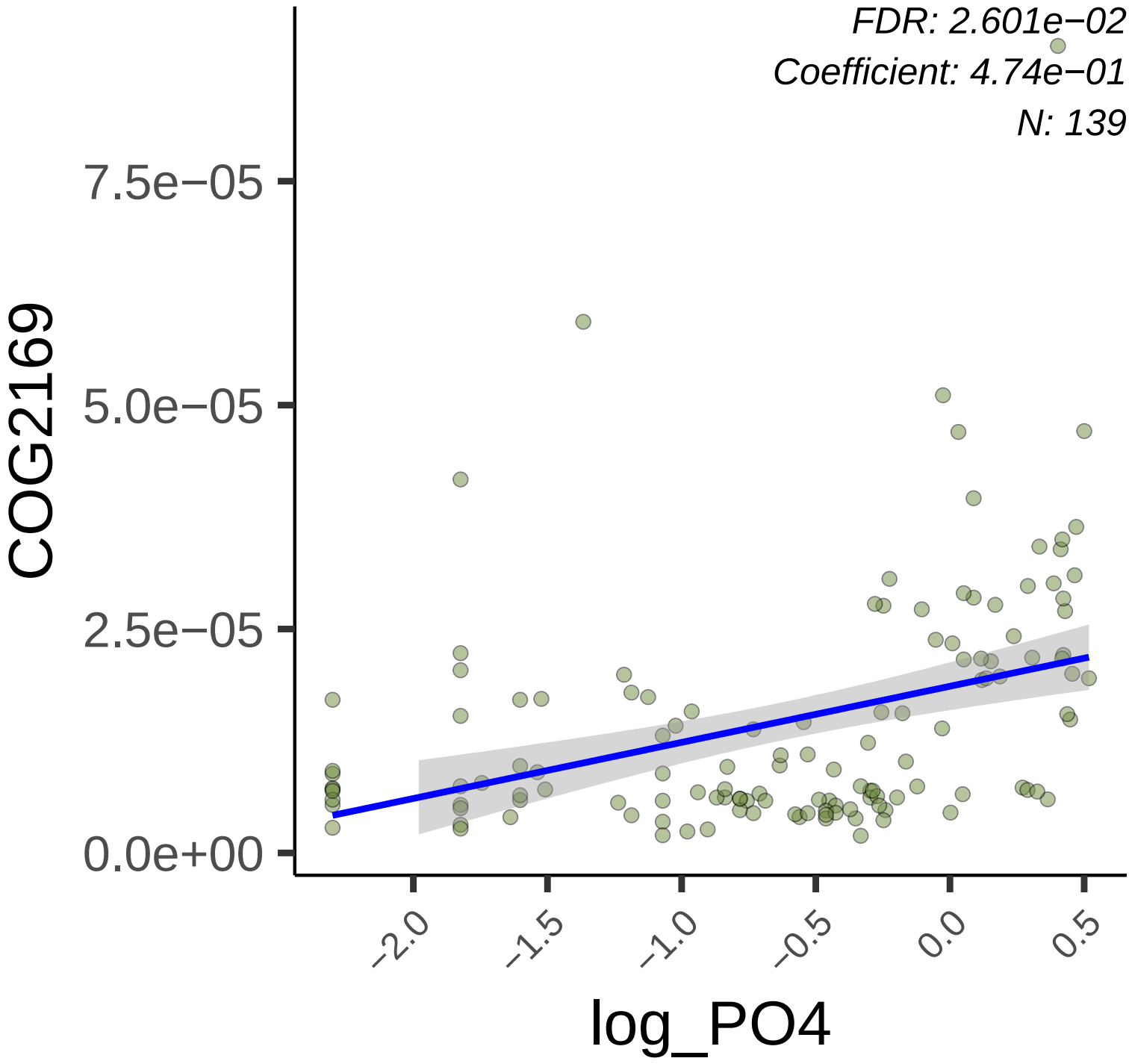
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Coefficient: 4.74e−01
N: 139
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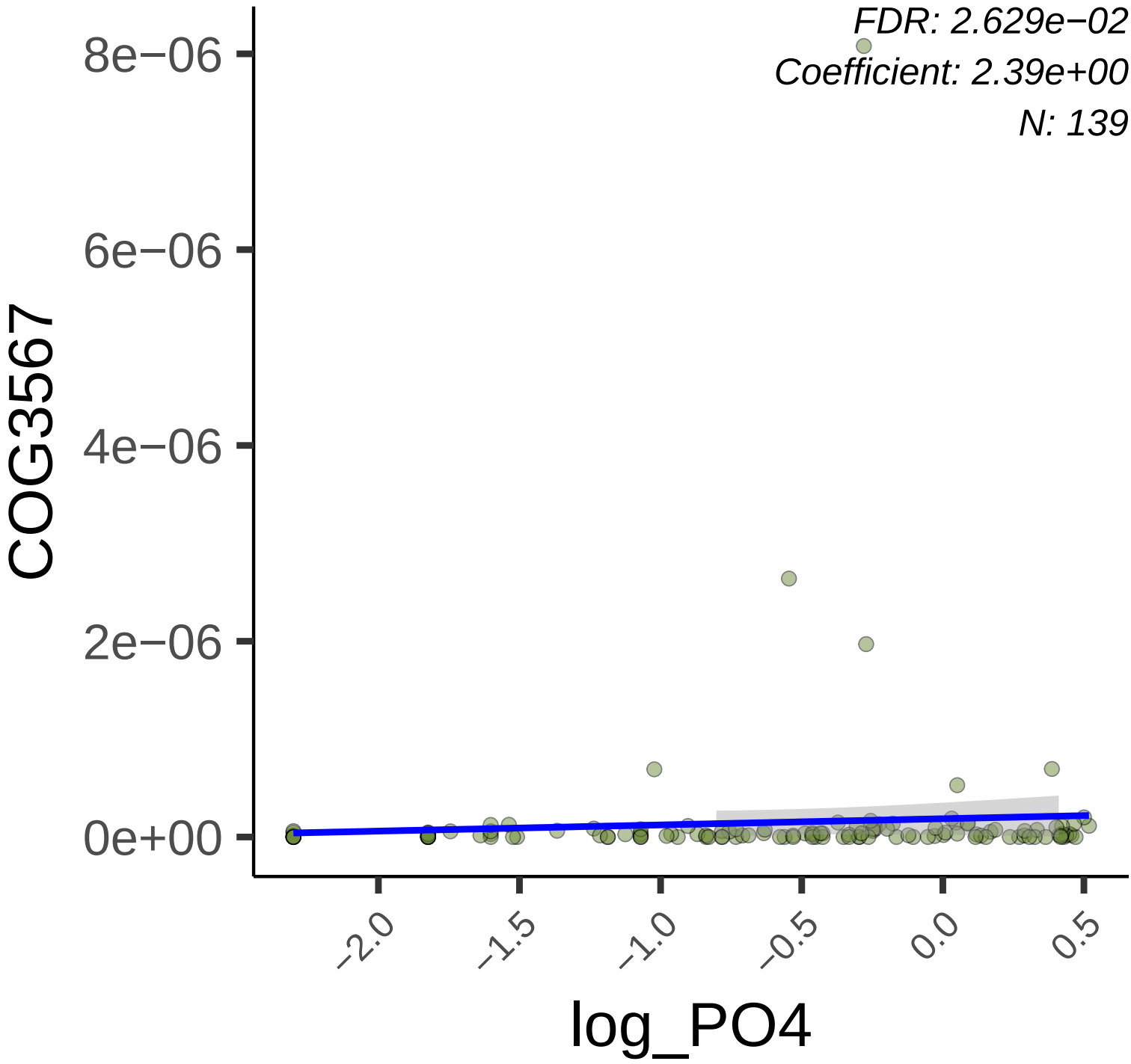
log_PO4


FDR: 2.629e−02
Coefficient: 2.39e+00
N: 139
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4e−06
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COG3567
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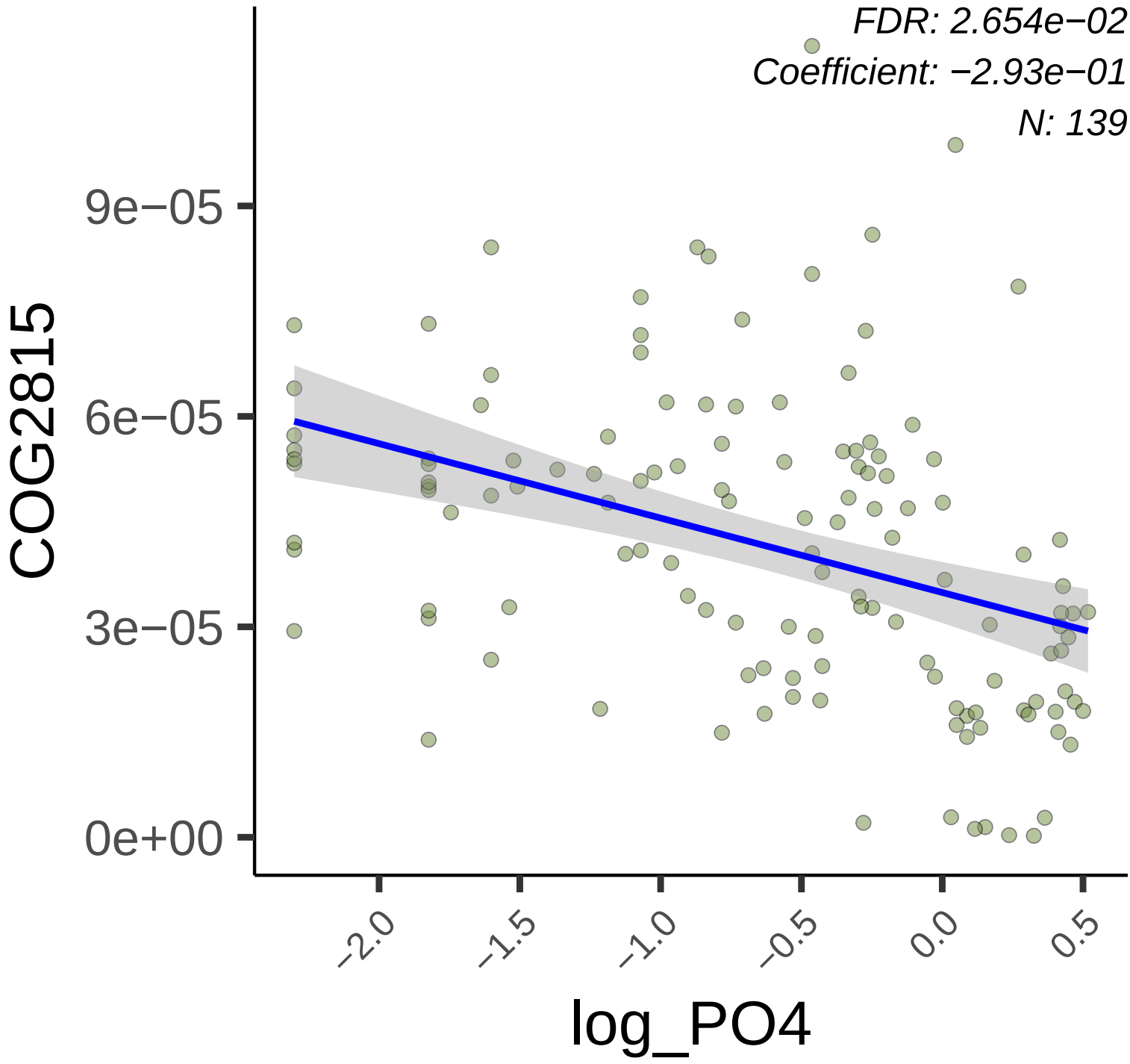
log_PO4


FDR: 2.654e−02
Coefficient: −2.93e−01
N: 139
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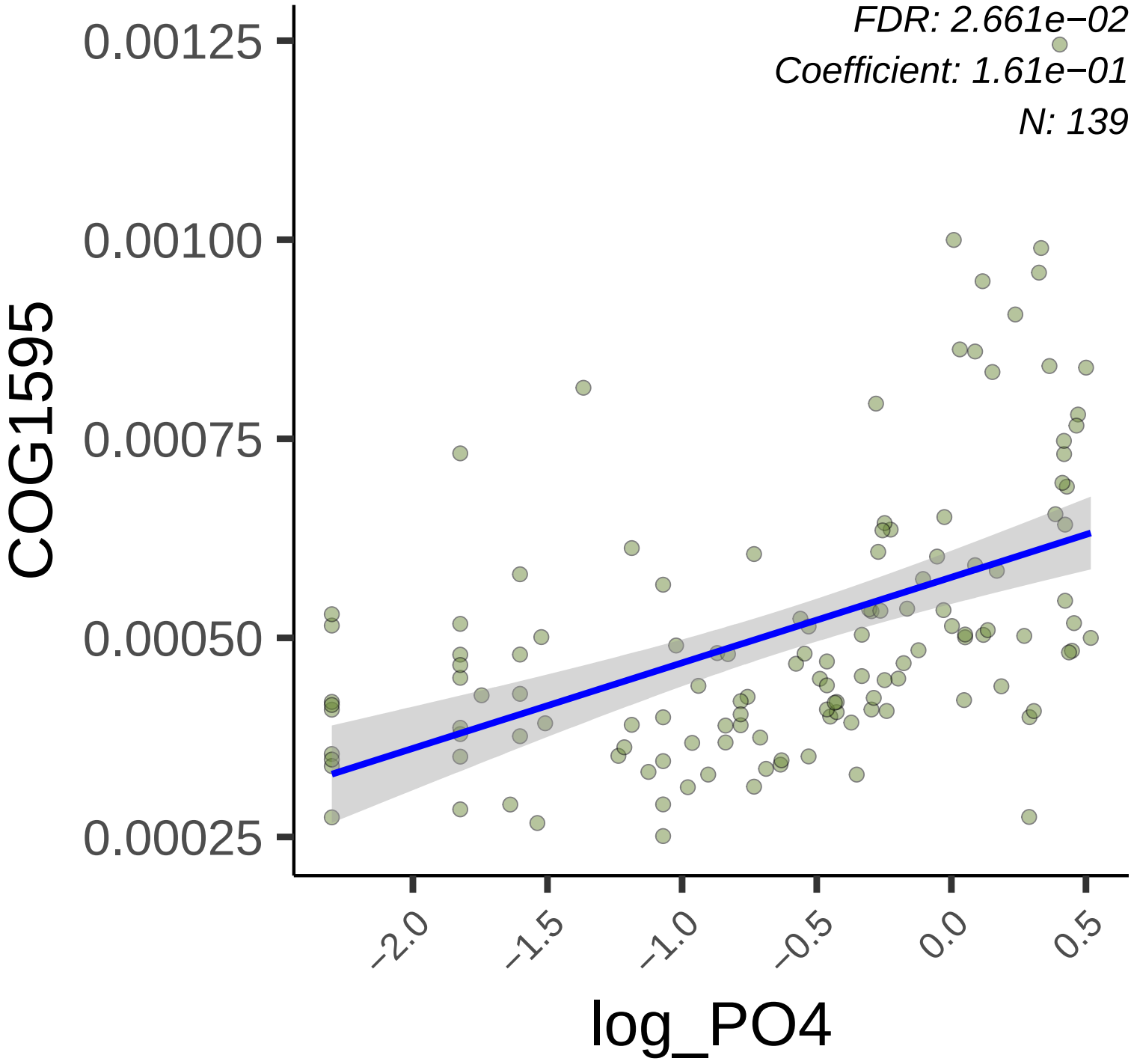
log_PO4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Coefficient: 1.61e−01
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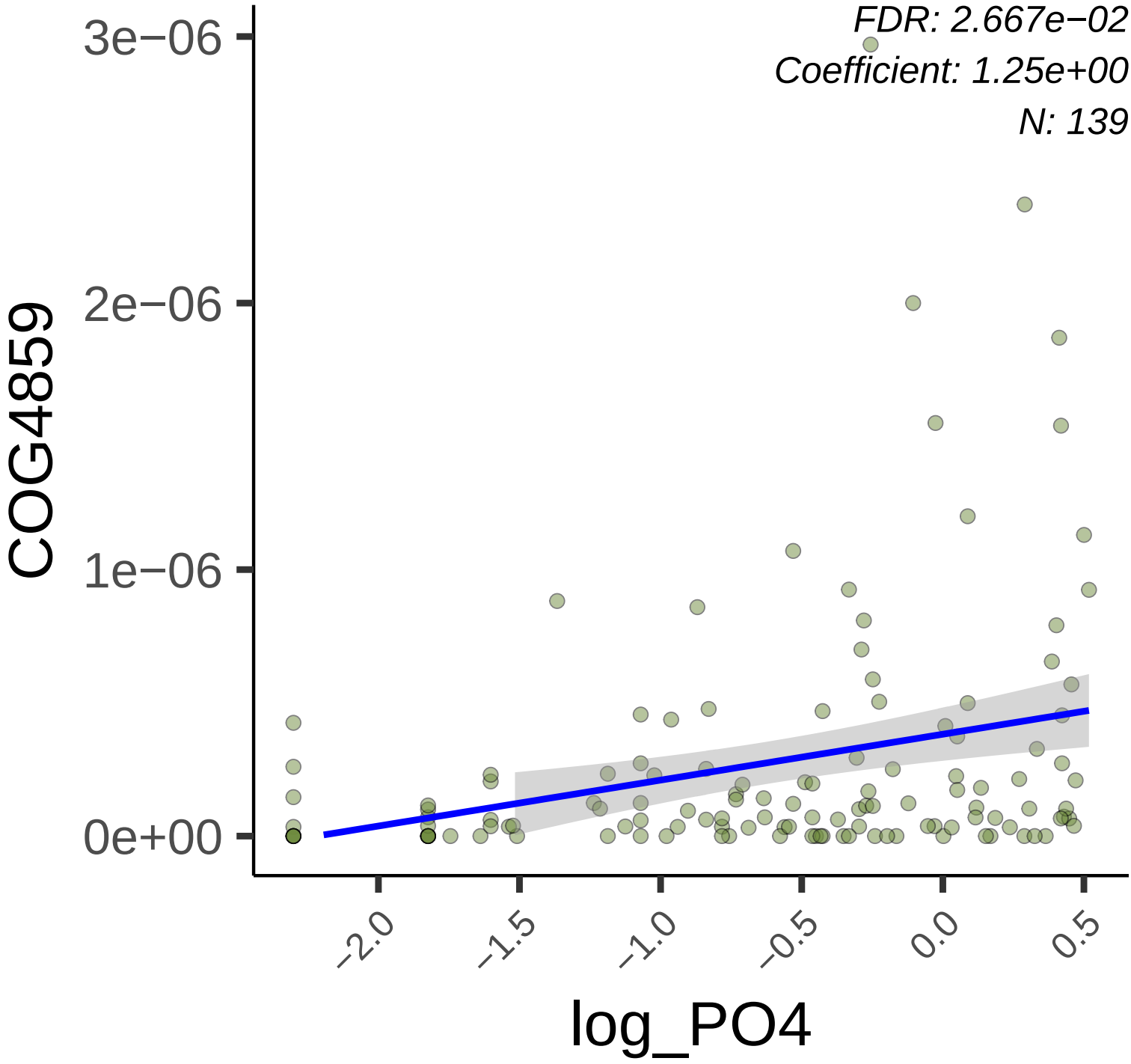
log_PO4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Coefficient: 1.25e+00
N: 139
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1e−06
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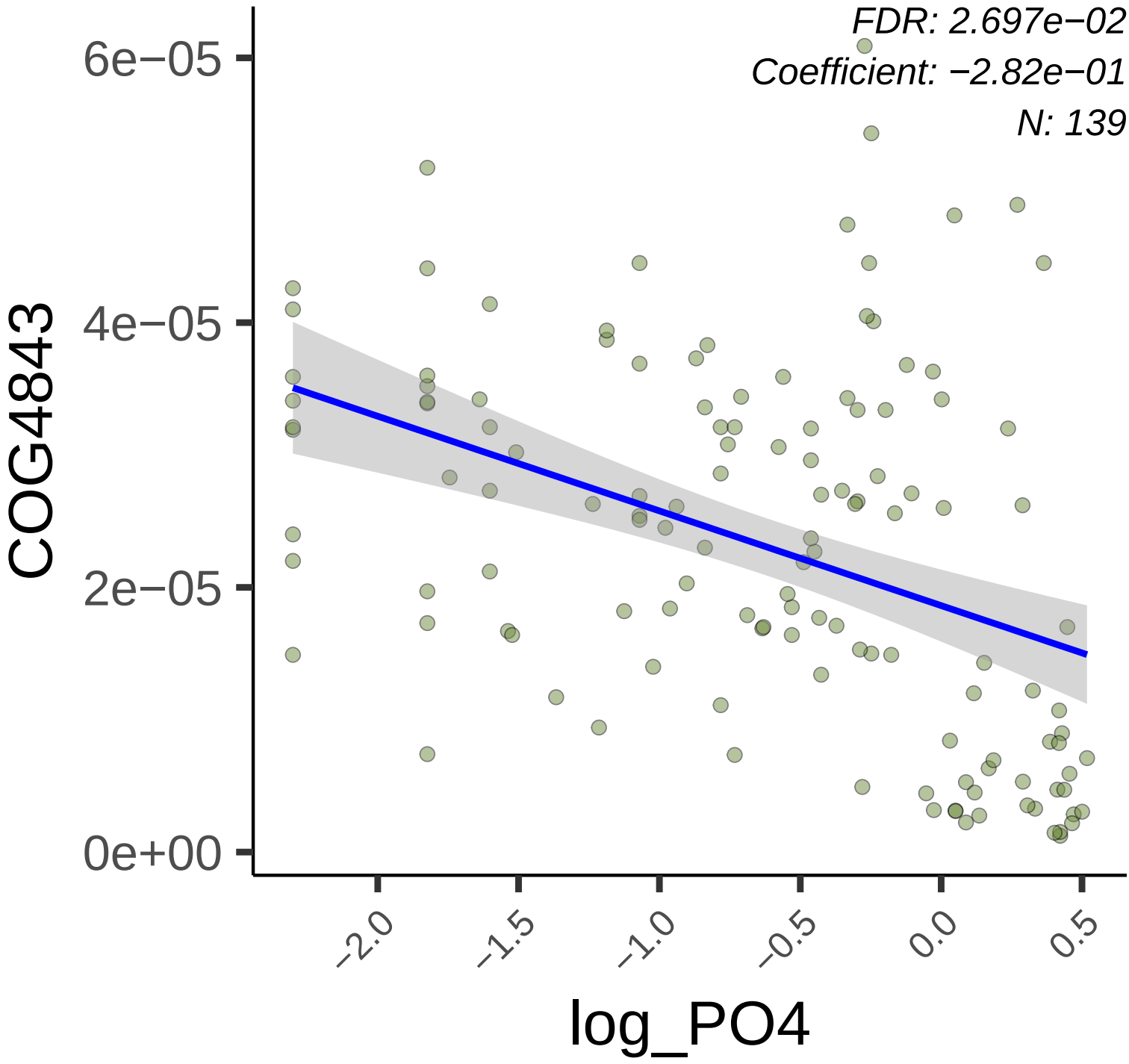
log_PO4


FDR: 2.697e−02
Coefficient: −2.82e−01
N: 139
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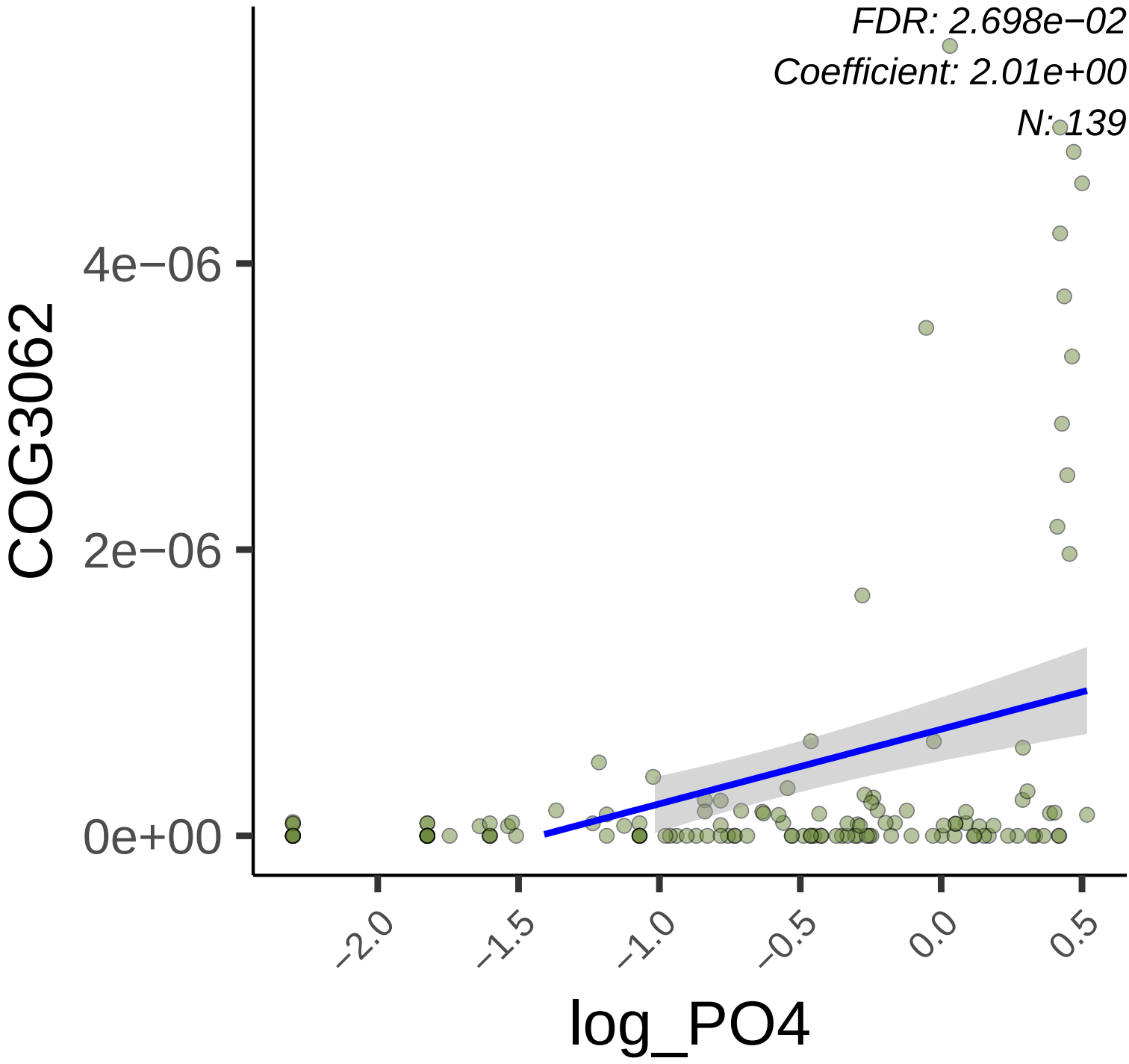
log_PO4


FDR: 2.698e−02
Coefficient: 2.01e+00
N: 139
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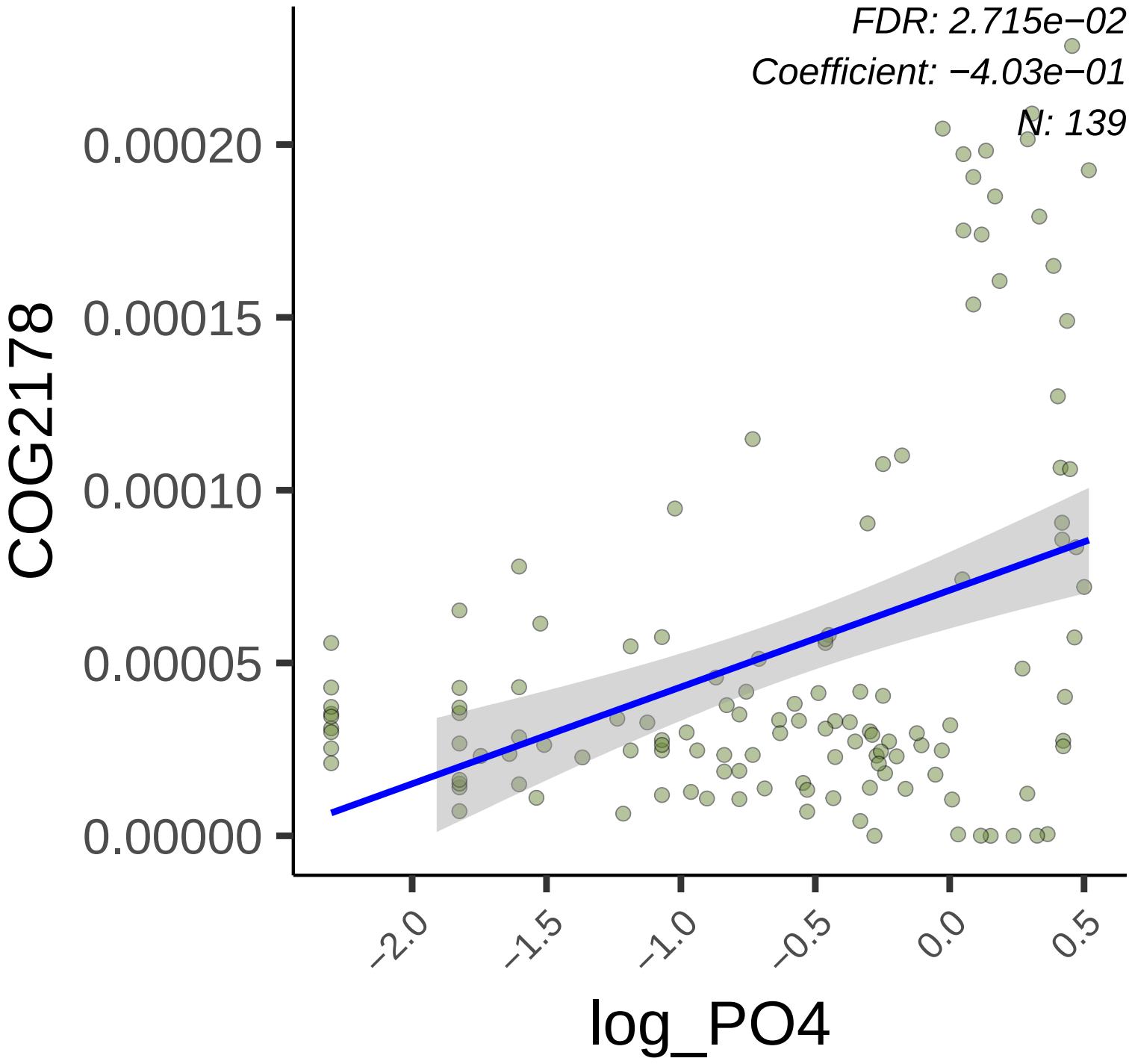
log_PO4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Coefficient: −4.03e−01
N: 139
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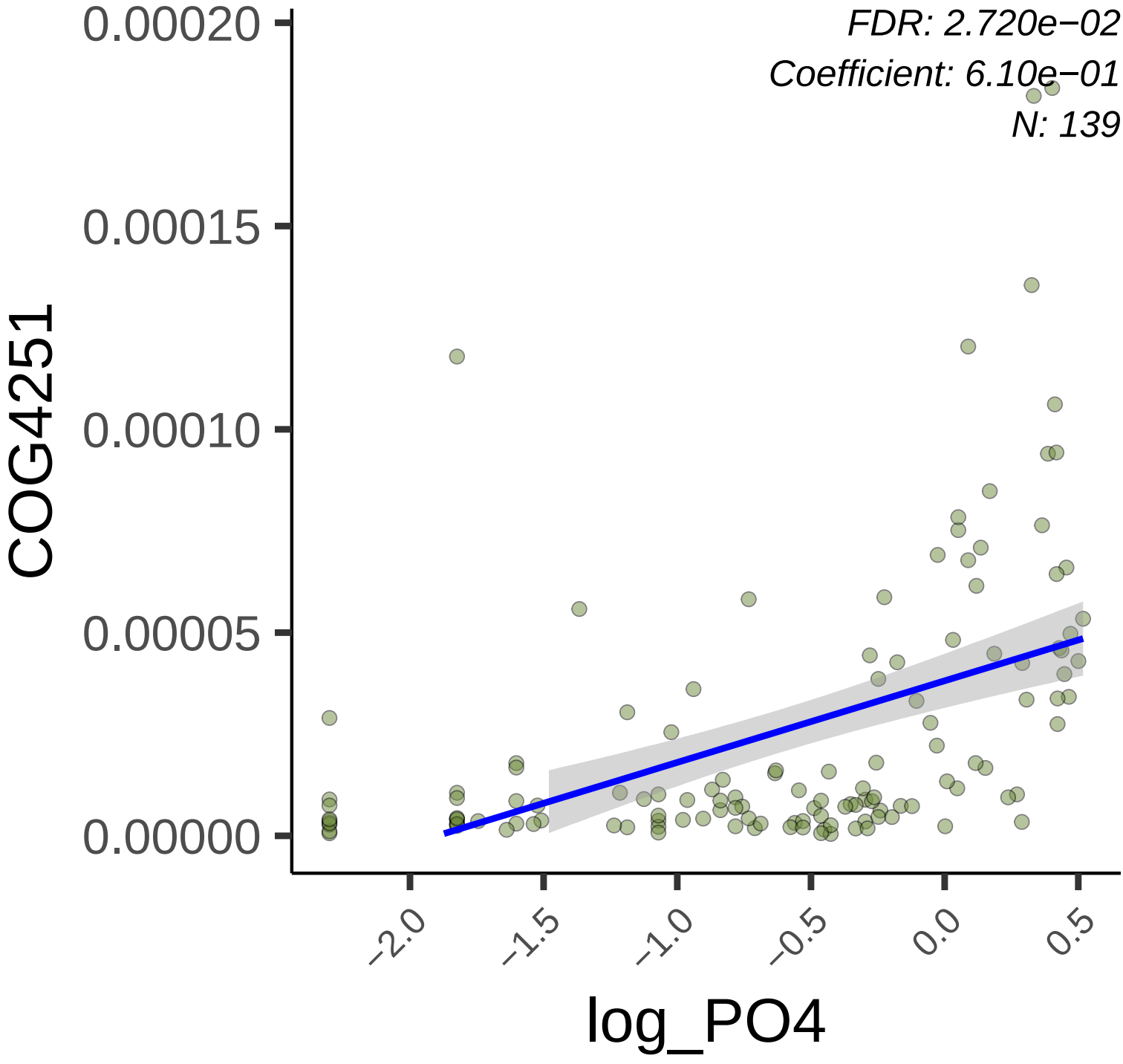
log_PO4


FDR: 2.720e−02
Coefficient: 6.10e−01
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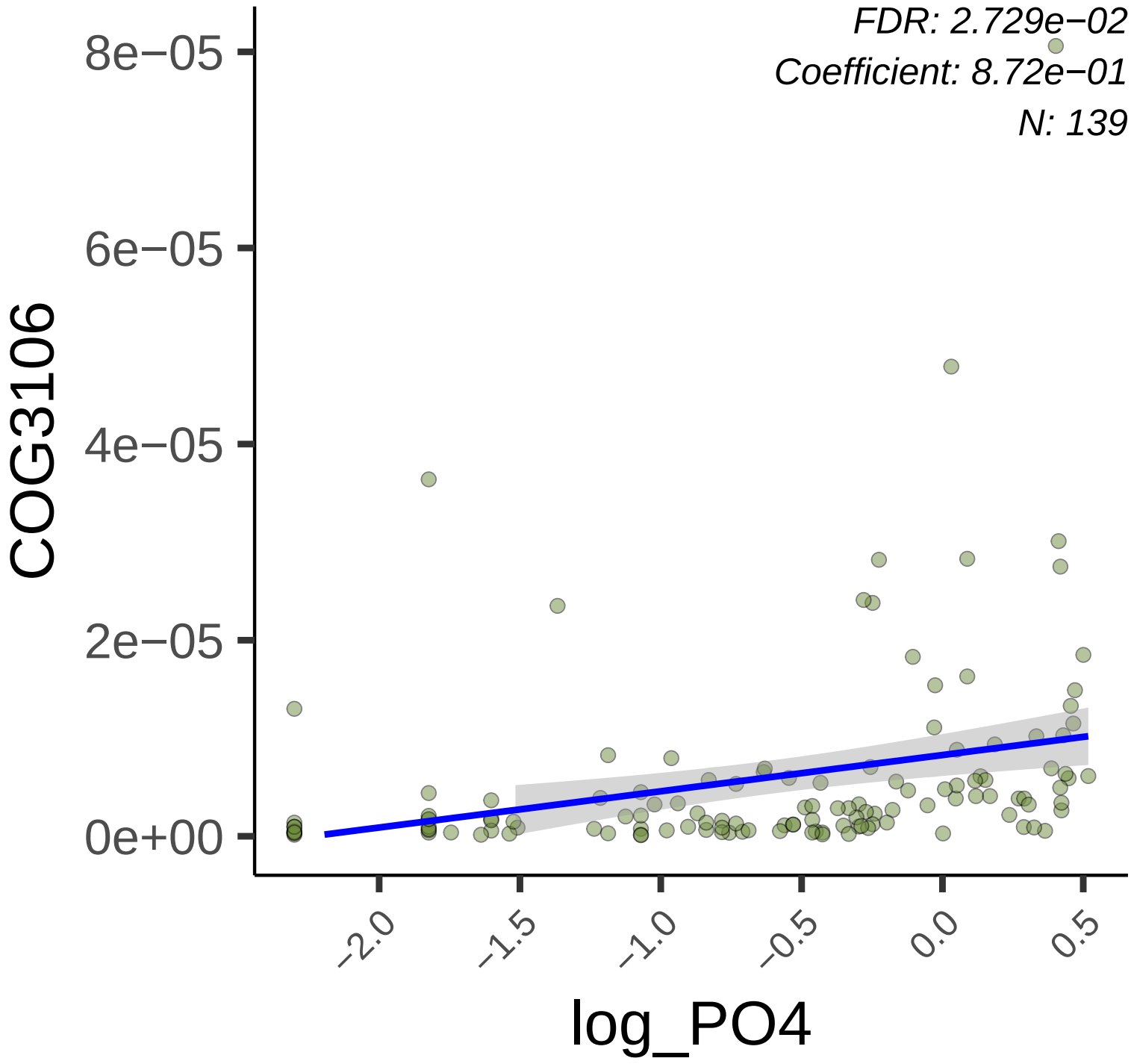
log_PO4


FDR: 2.729e−02
Coefficient: 8.72e−01
N: 139
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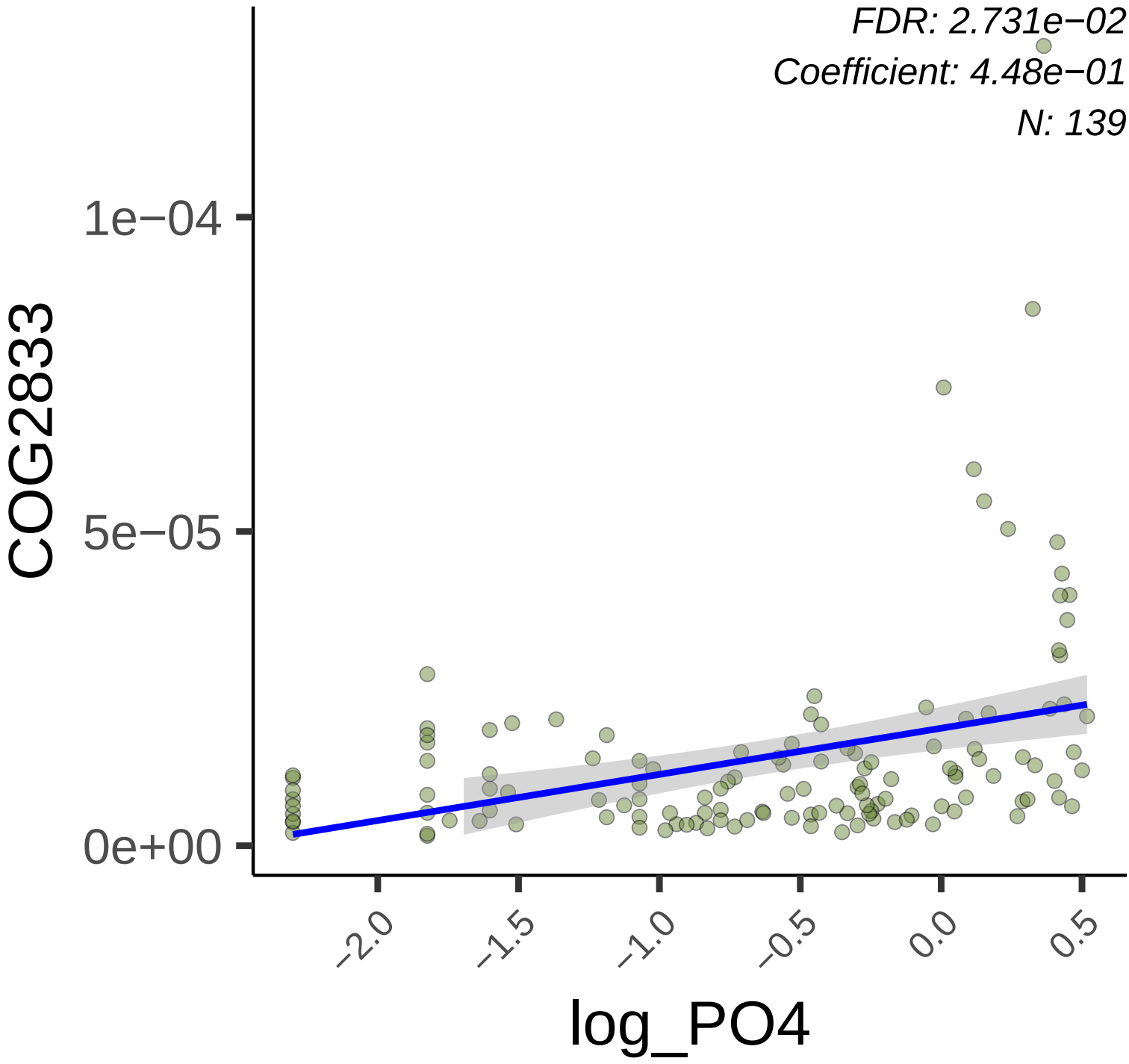
FDR: 2.731e−02
Coefficient: 4.48e−01
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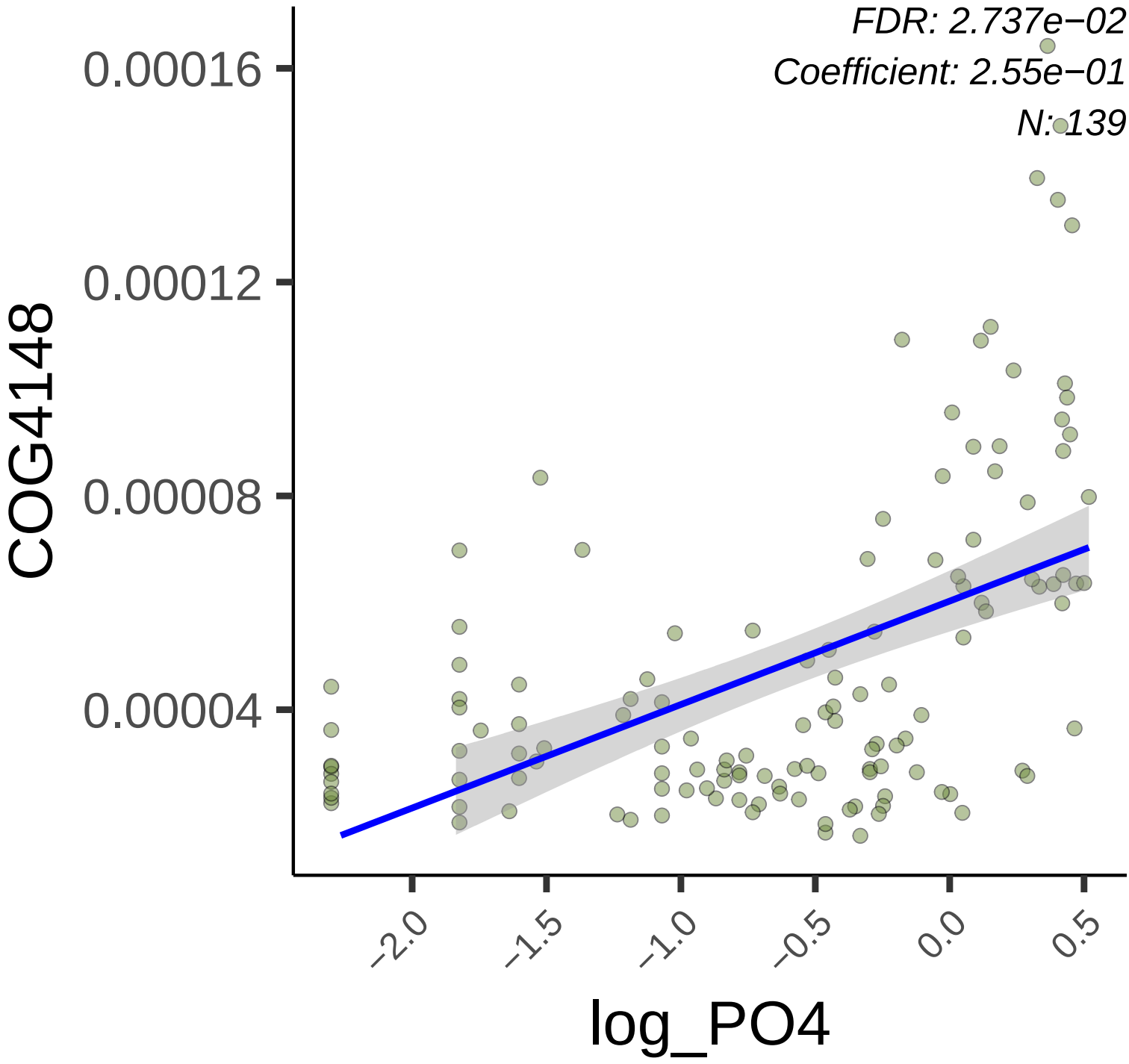
log_PO4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Coefficient: 2.55e−01
N: 139
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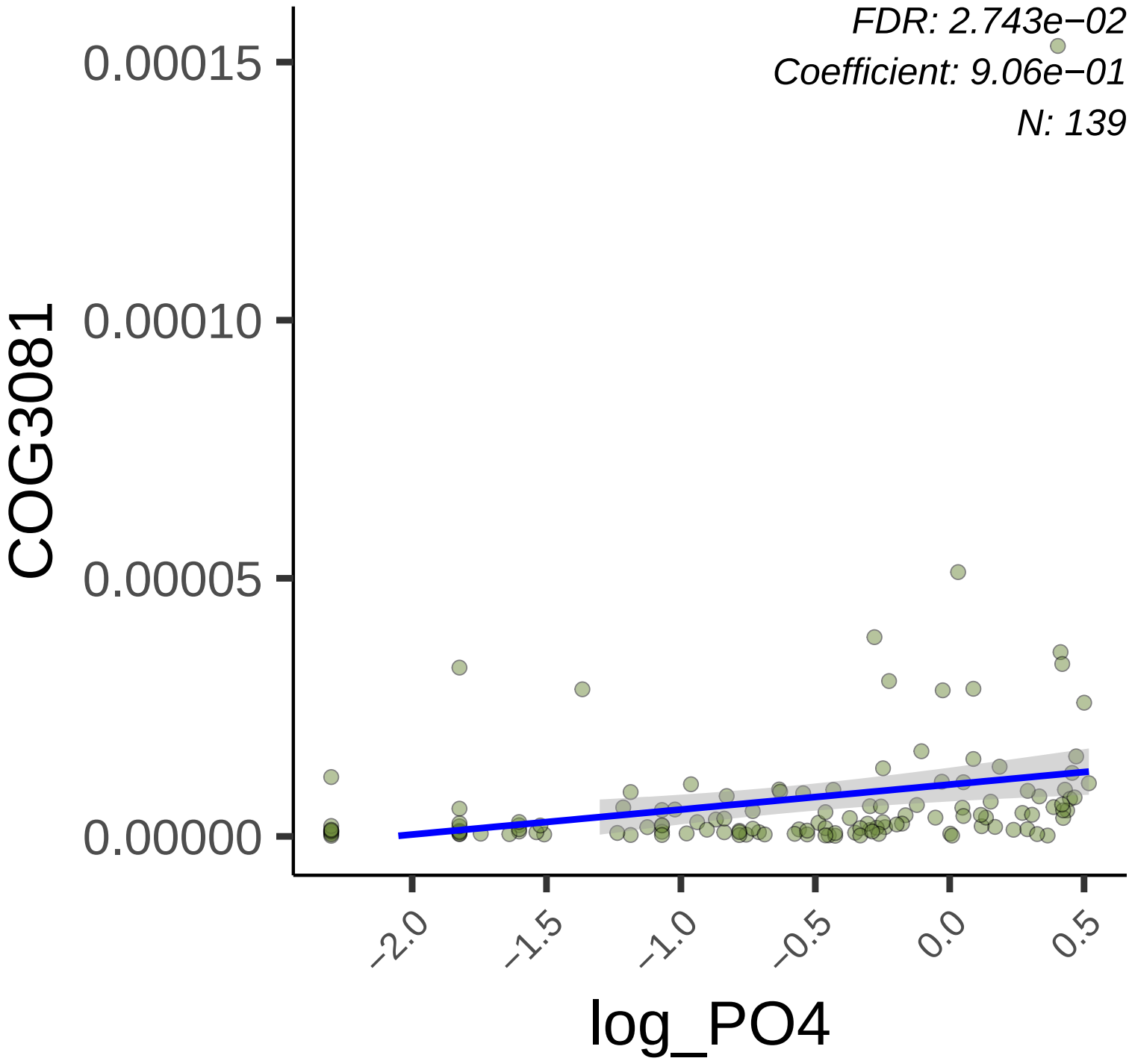
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Coefficient: 9.06e−01
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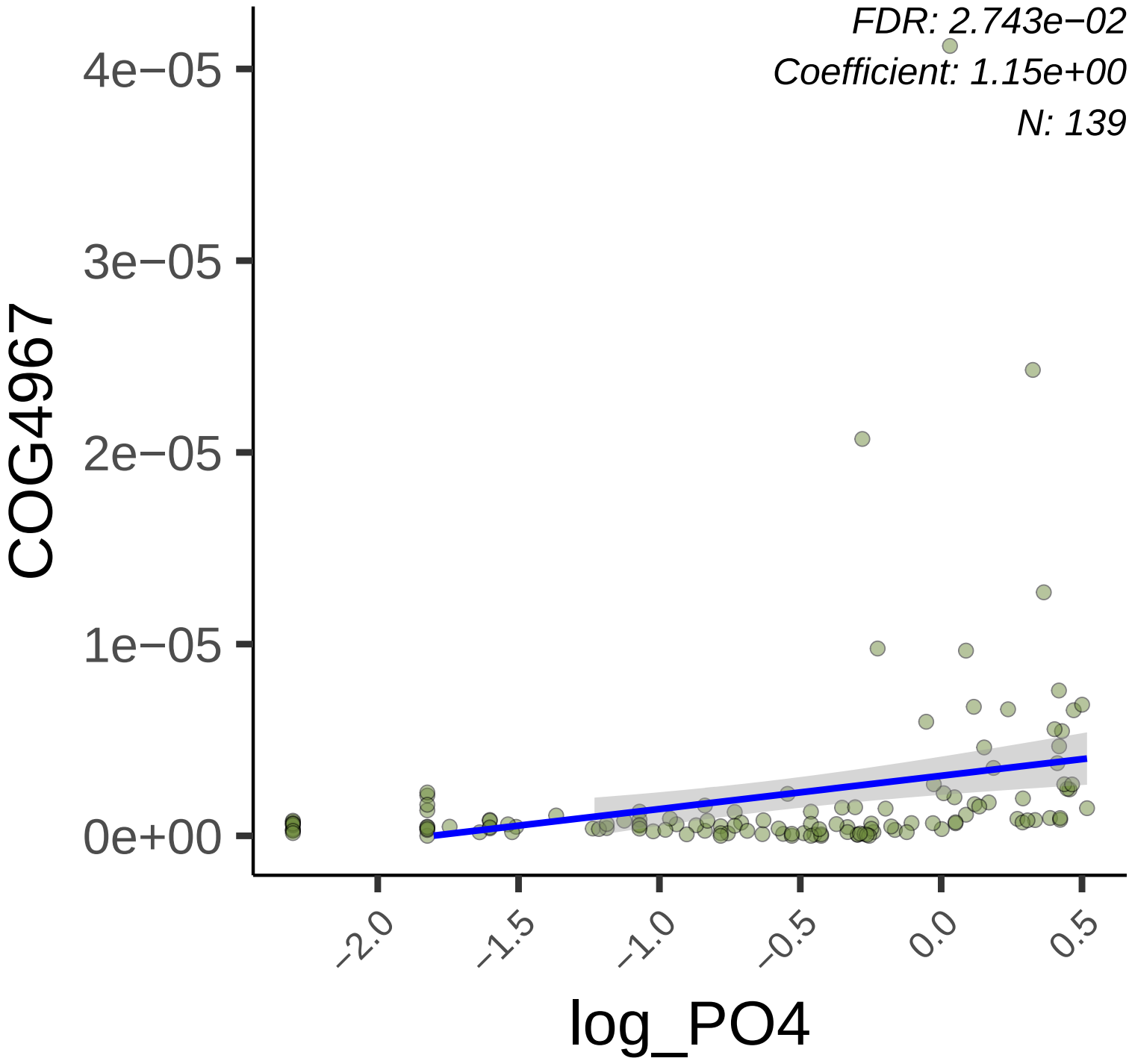
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Coefficient: 1.15e+00
N: 139
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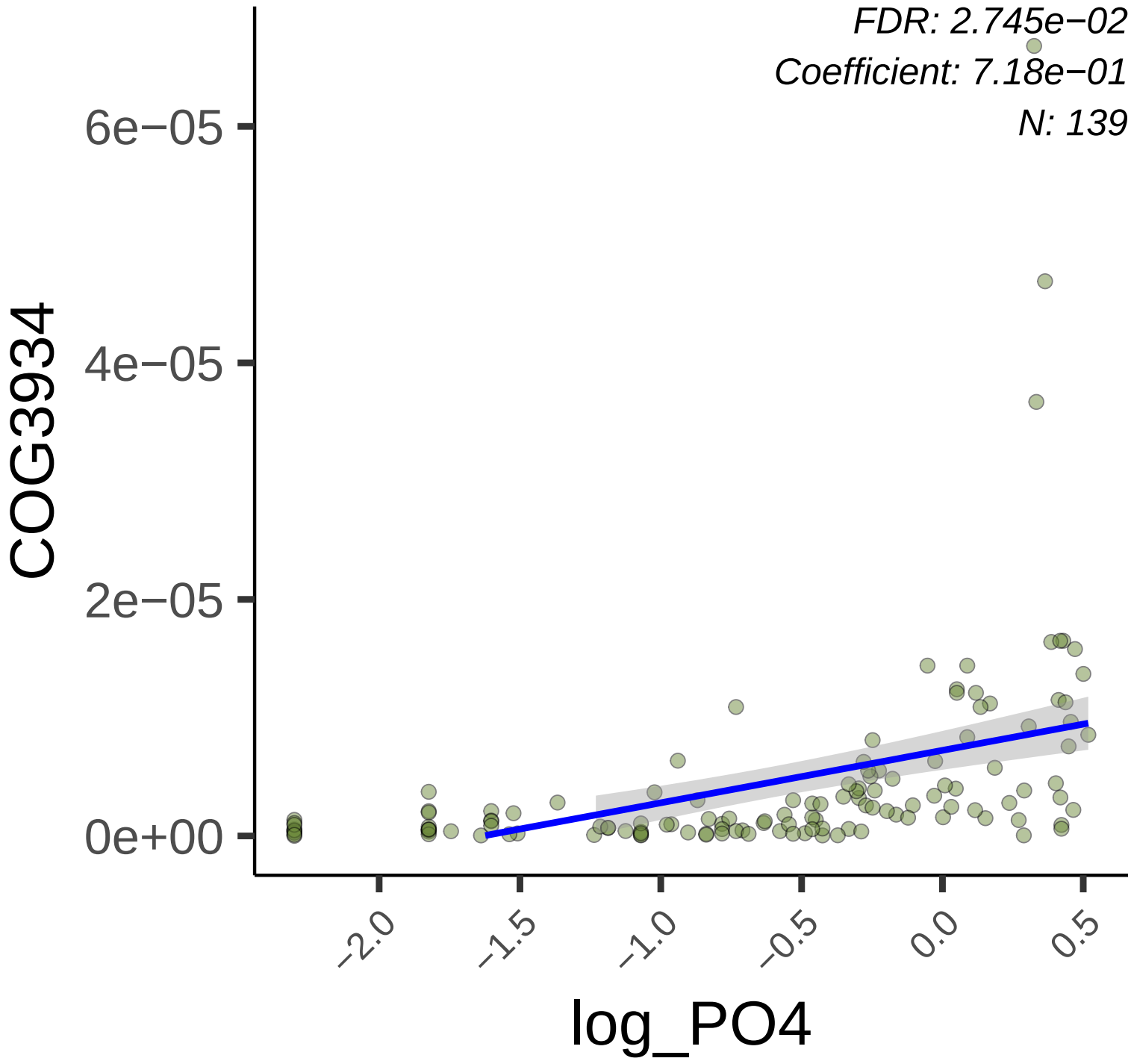
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Coefficient: 7.18e−01
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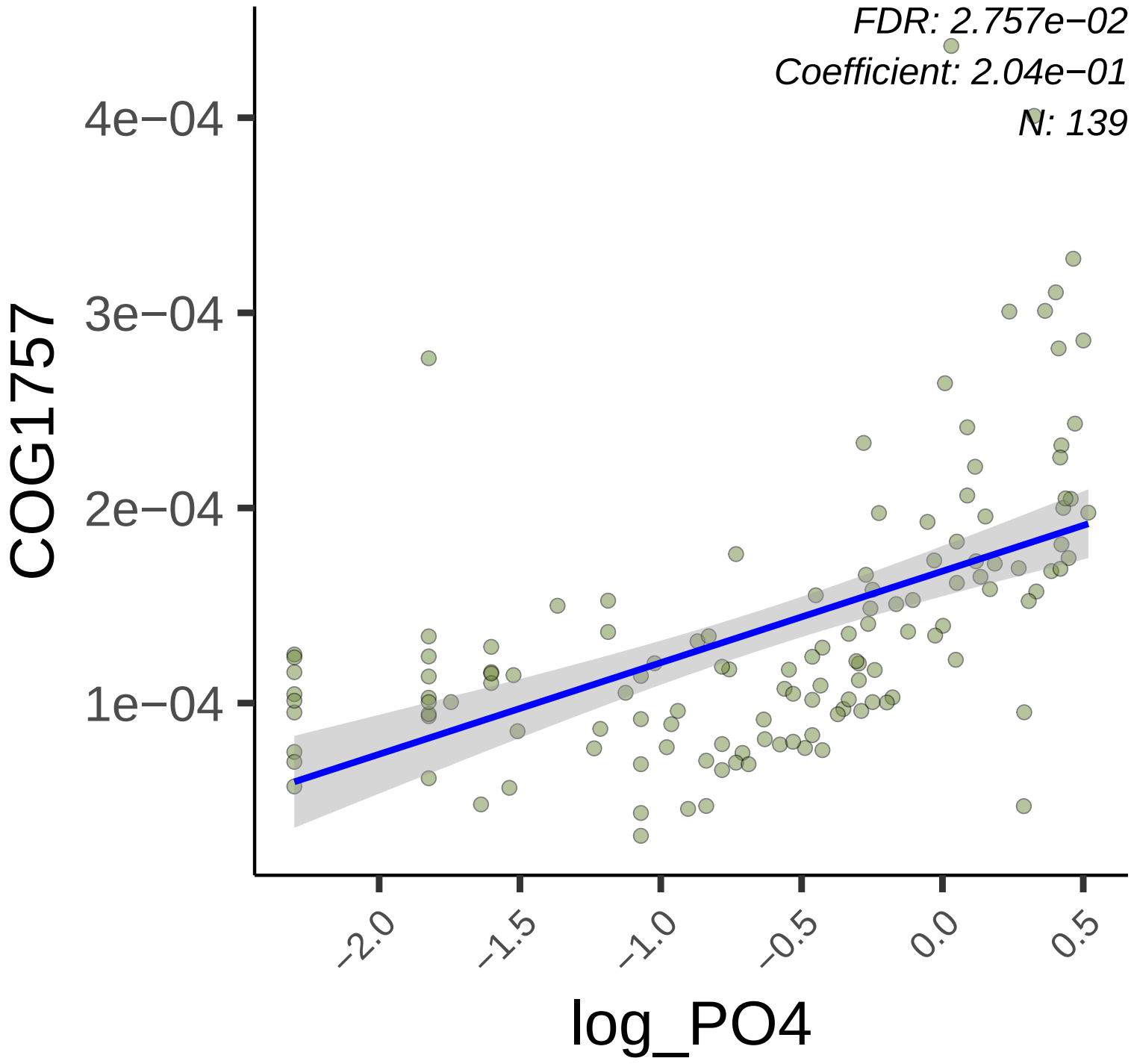
log_PO4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Coefficient: 2.04e−01
N: 139
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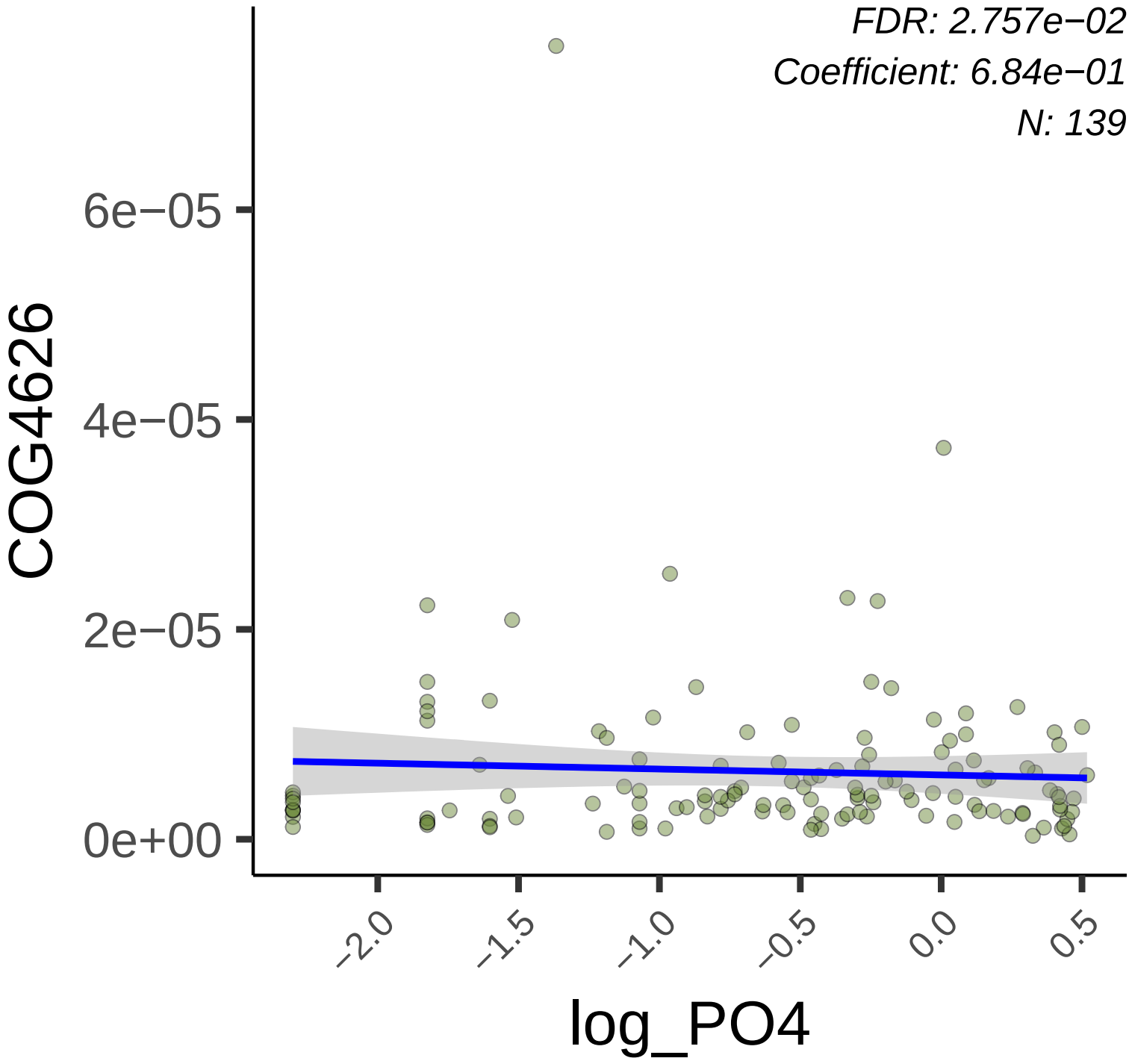
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Coefficient: 6.84e−01
N: 139
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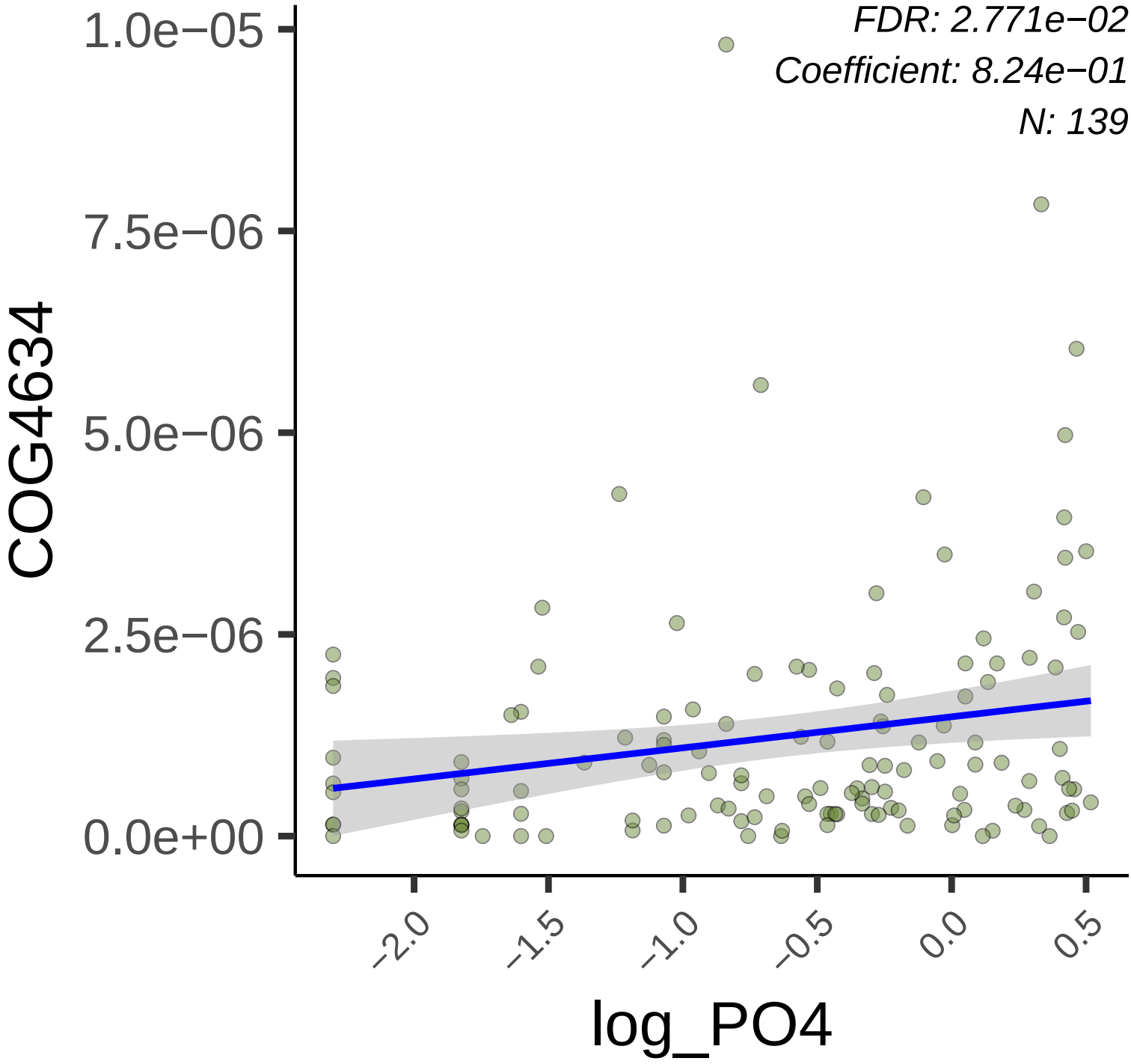
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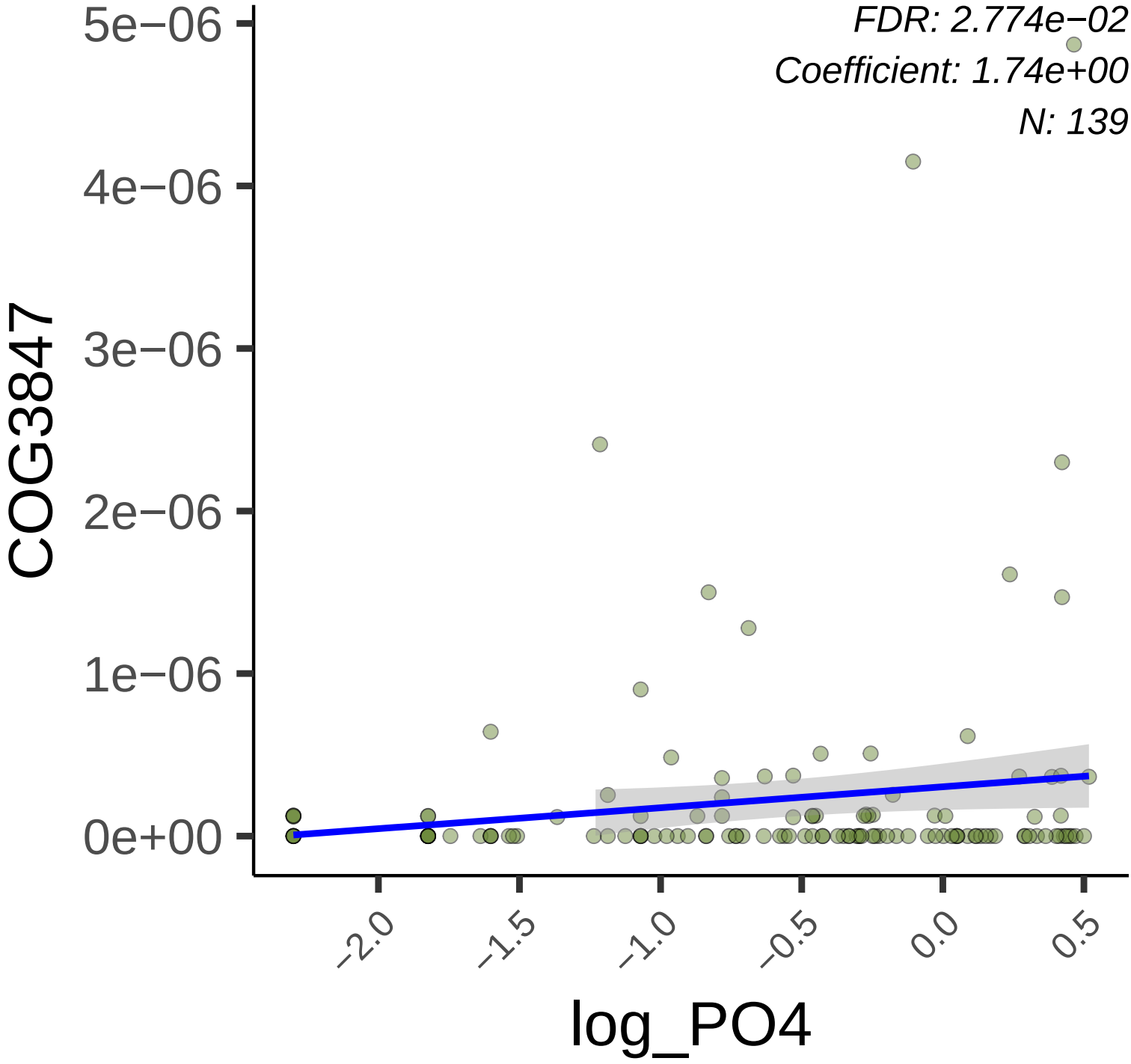
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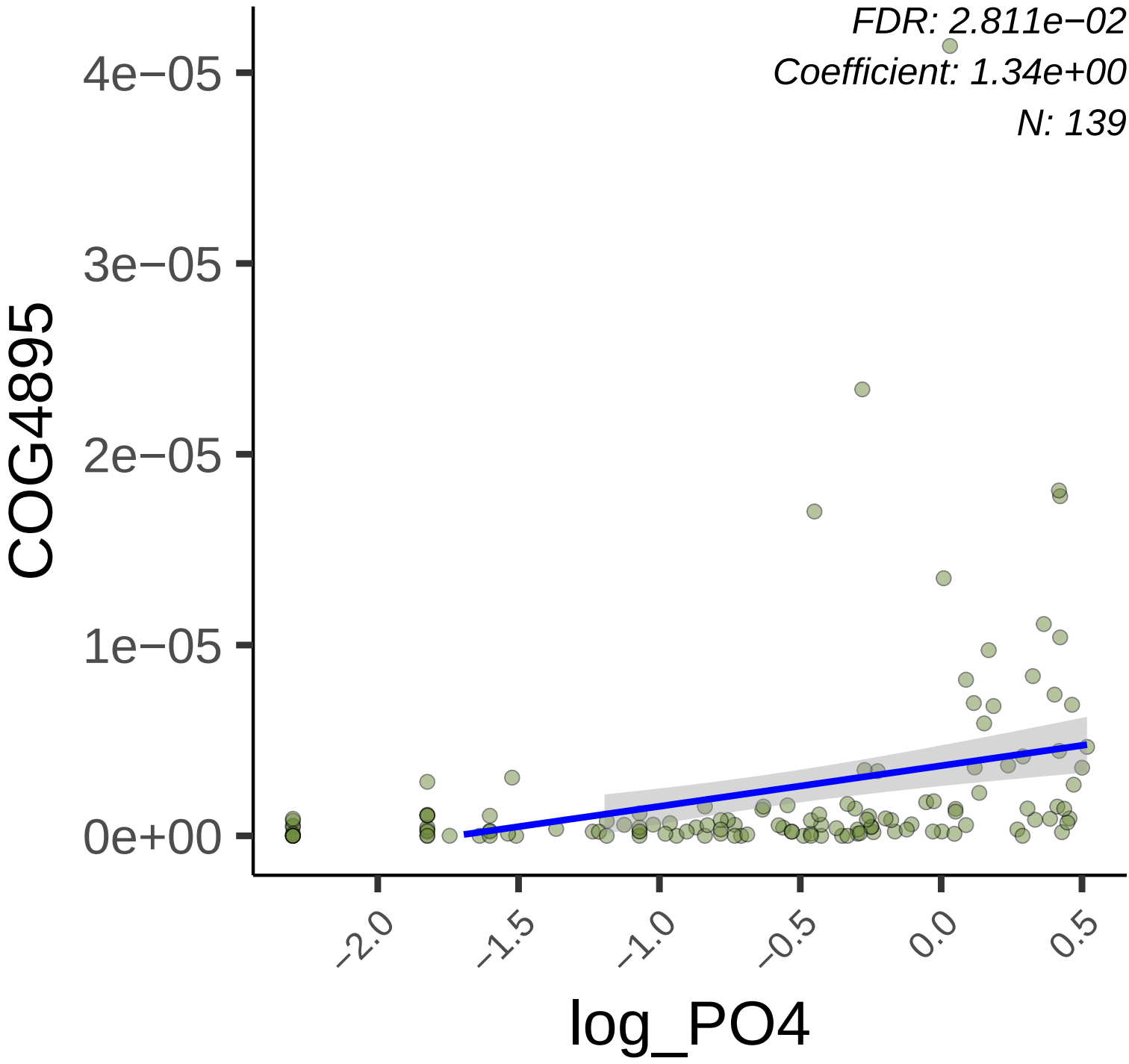
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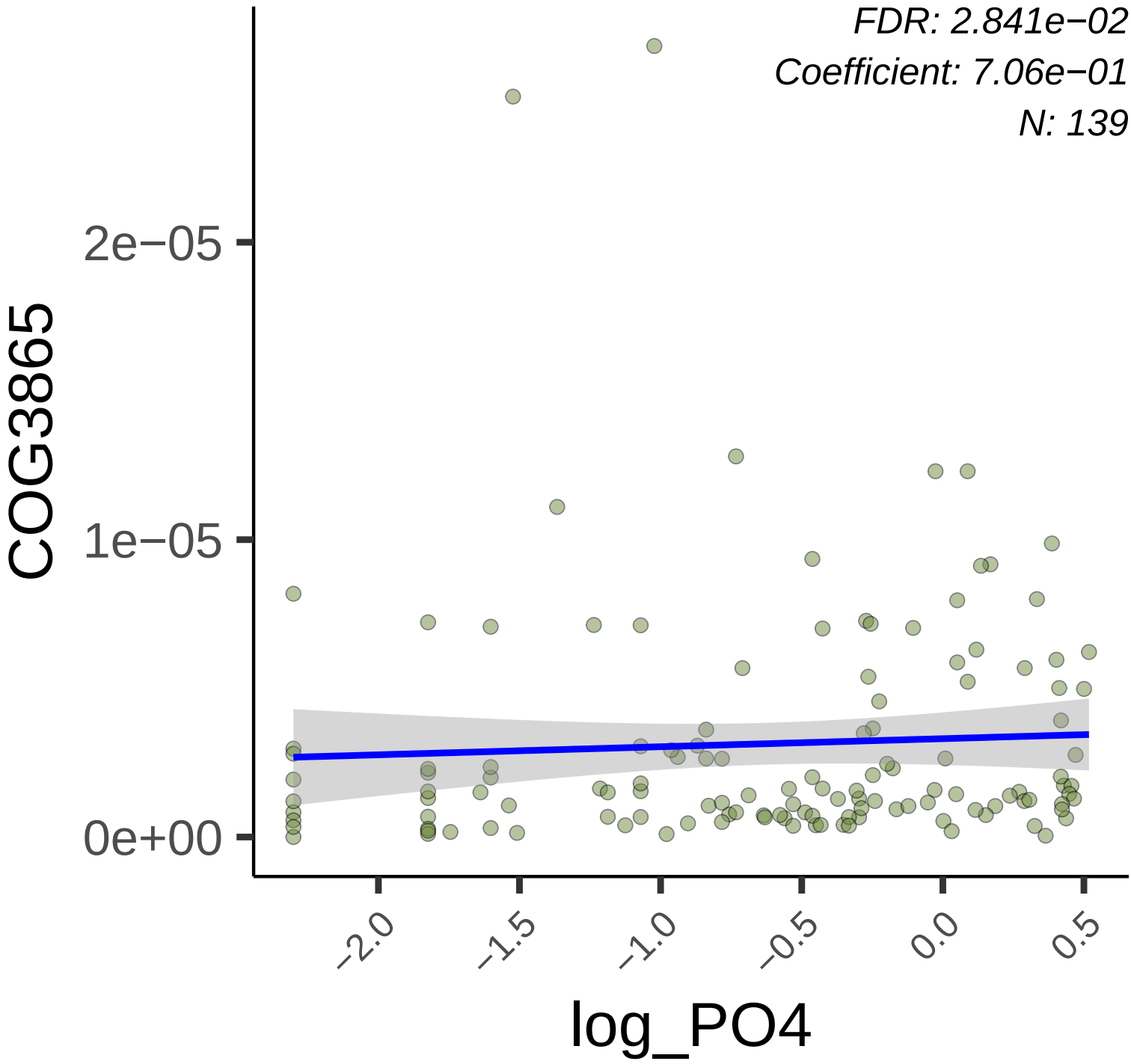
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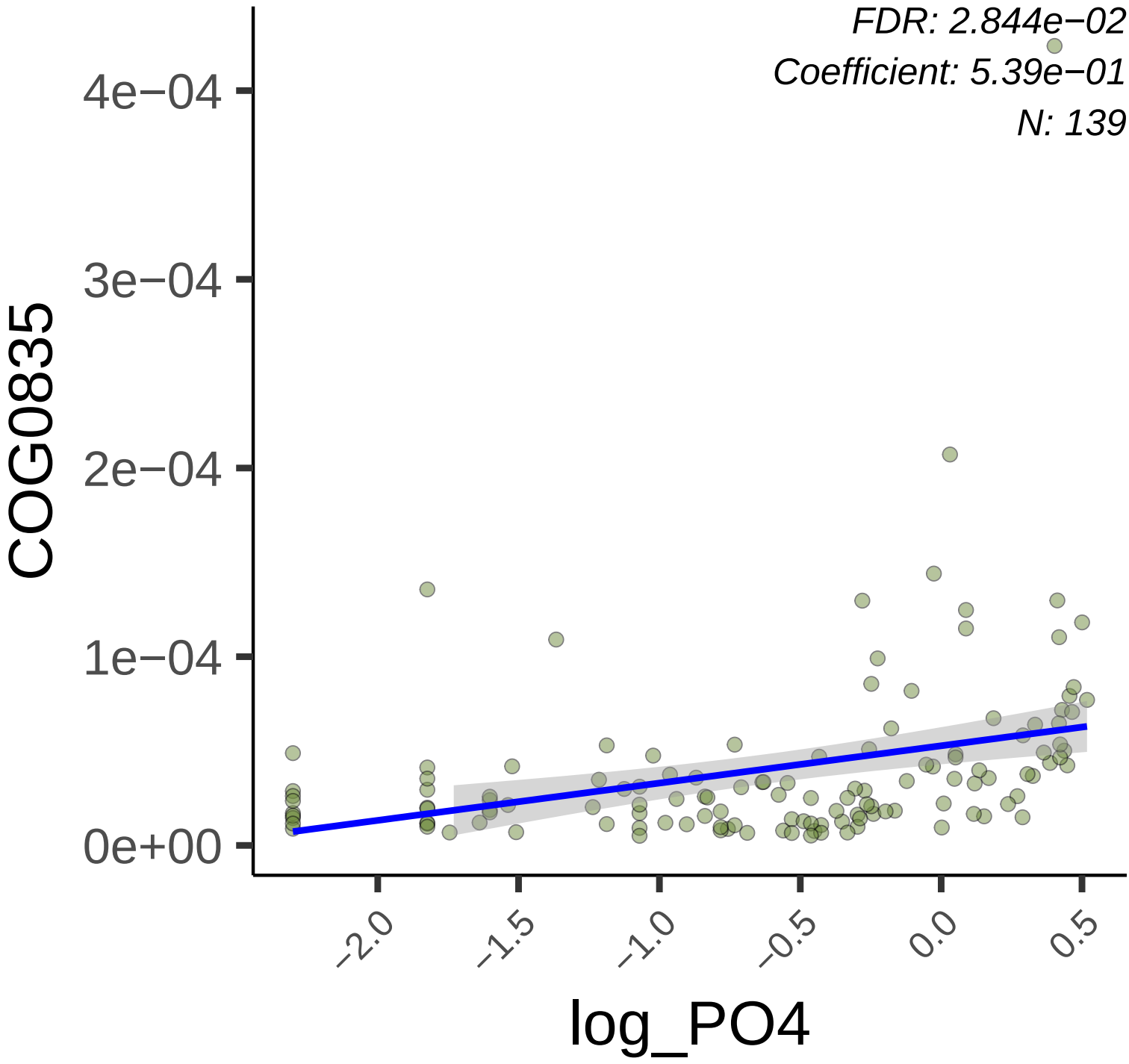
log_PO4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N: 139
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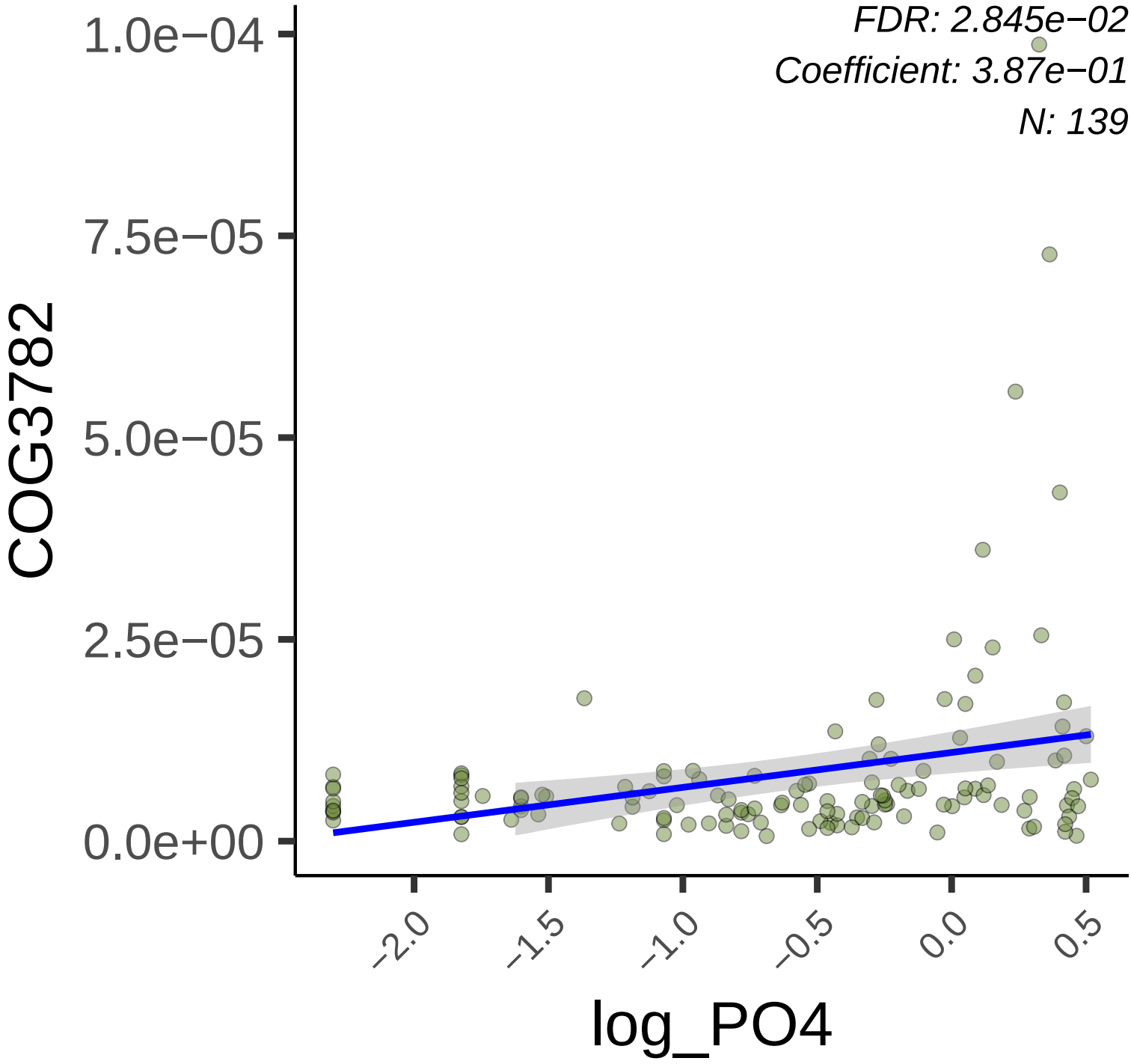
log_PO4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Coefficient: 3.87e−01
N: 139
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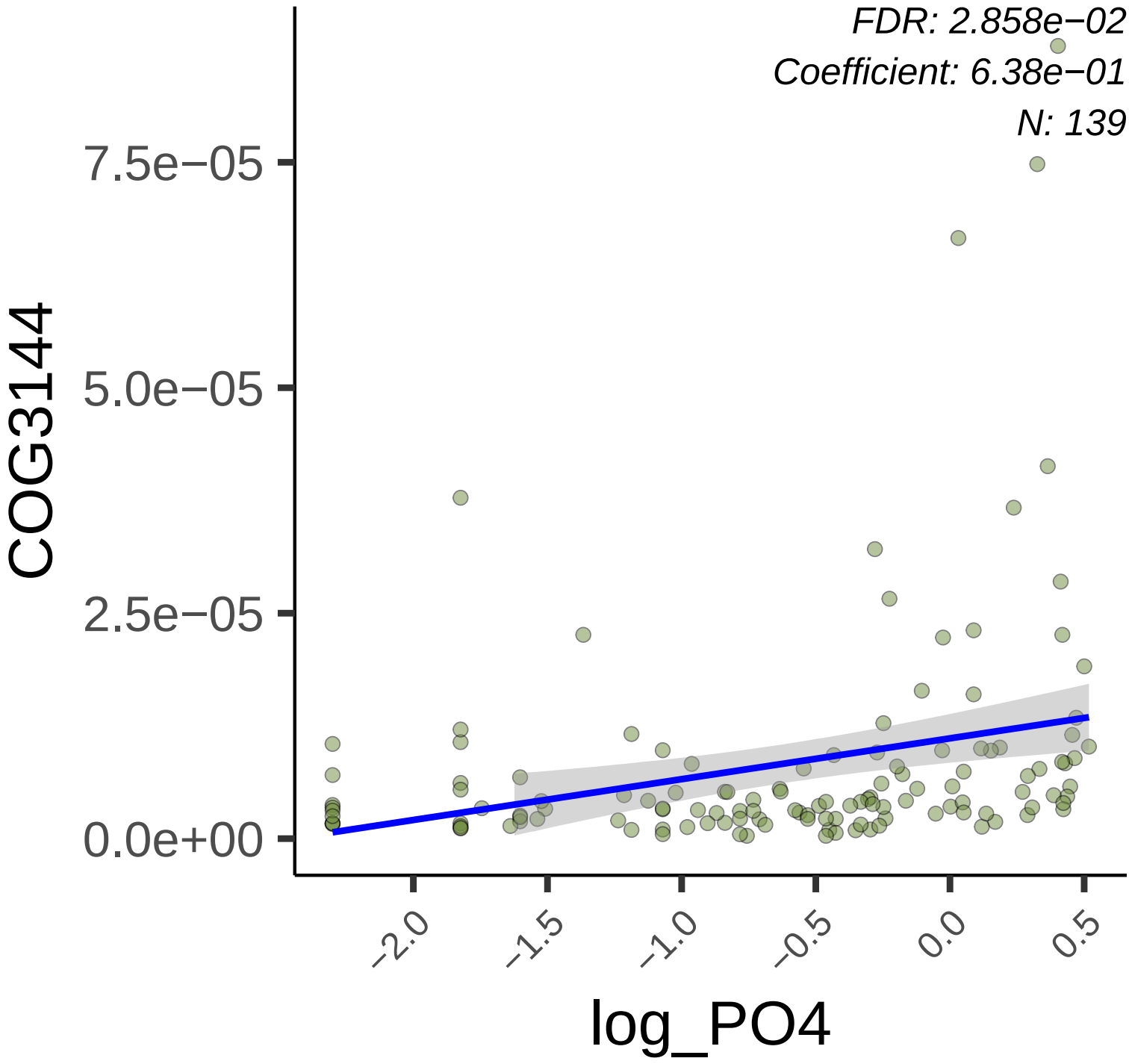
log_PO4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N: 139
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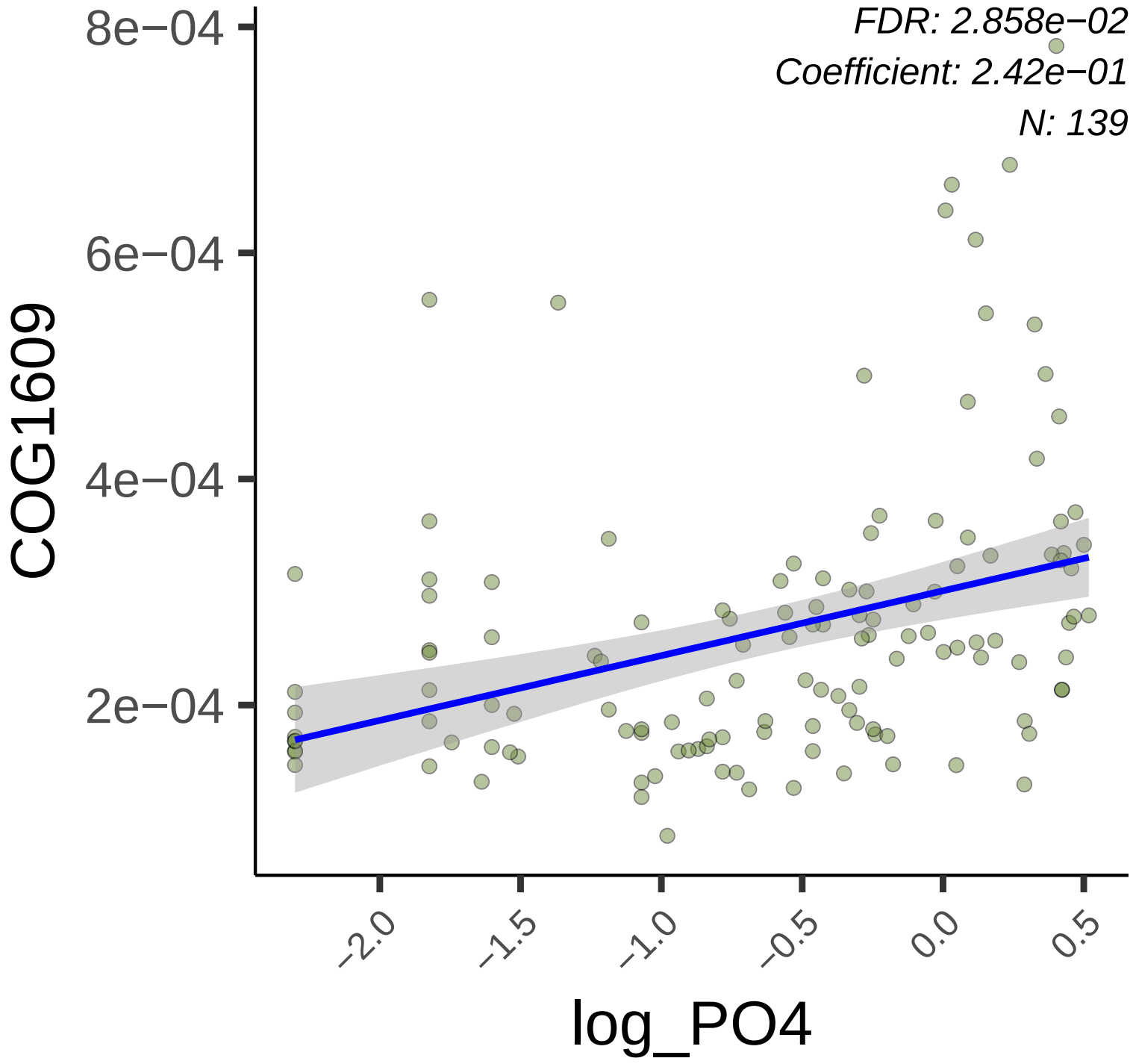
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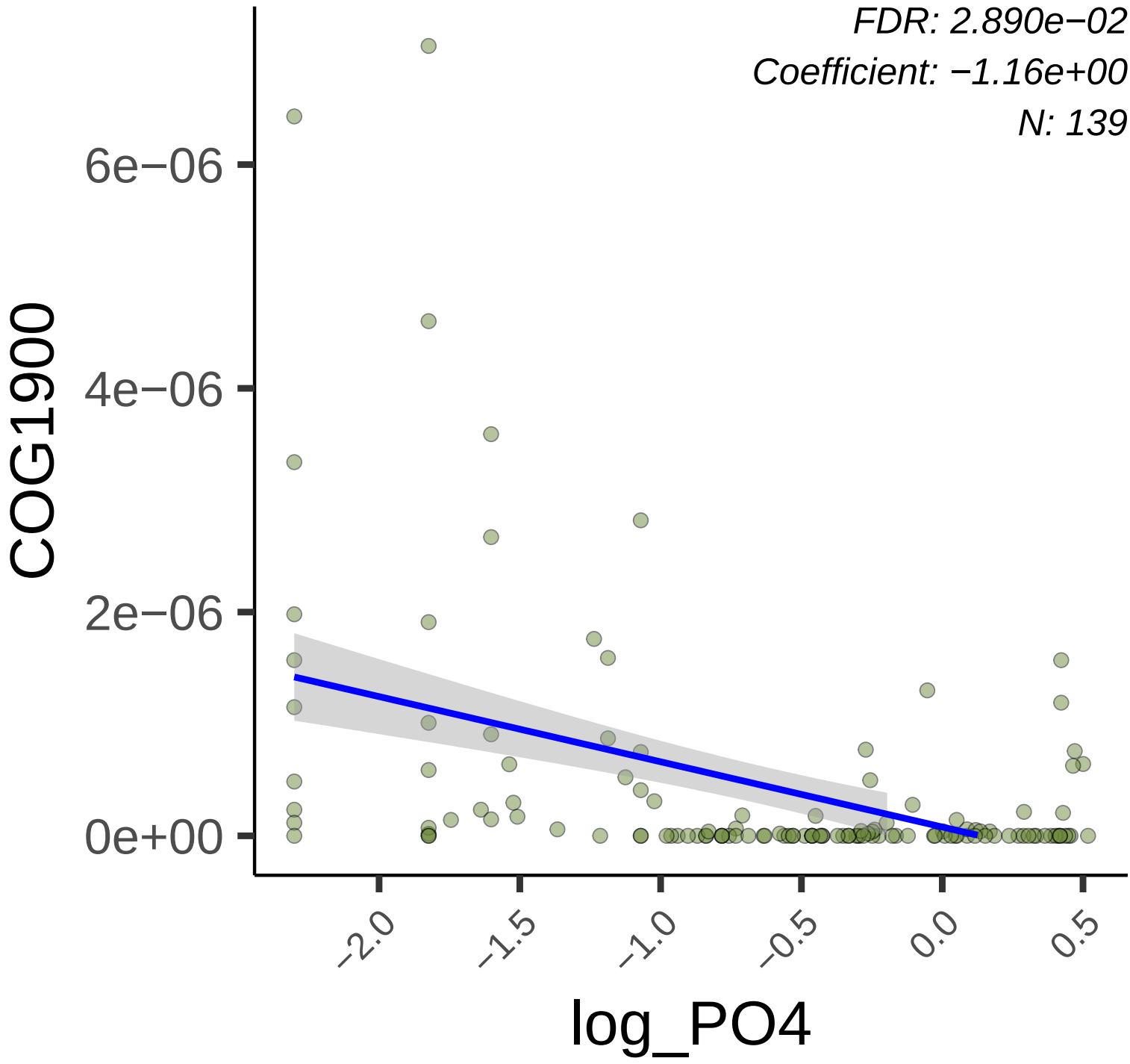
log_PO4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Coefficient: −1.16e+00
N: 139
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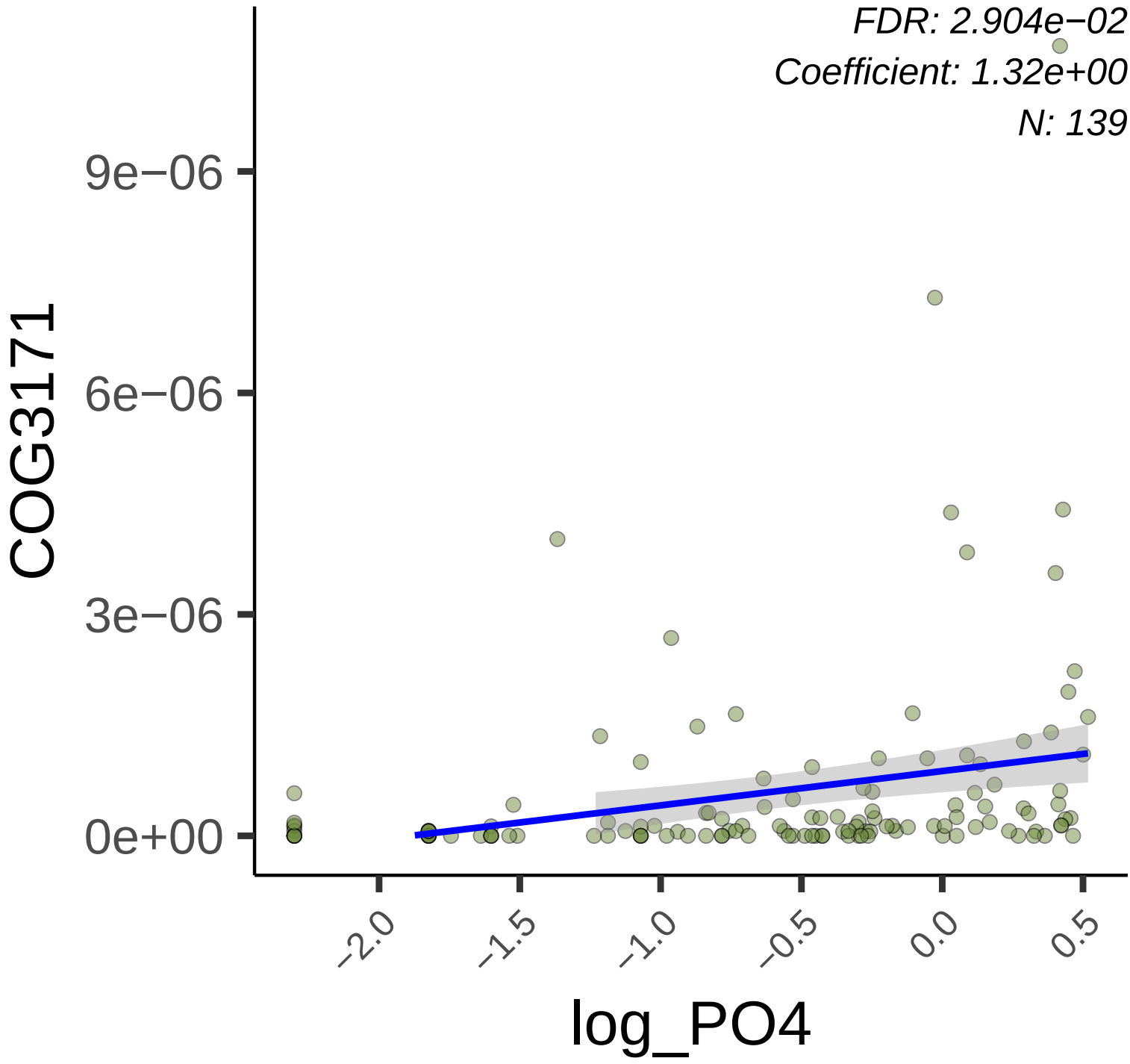
log_PO4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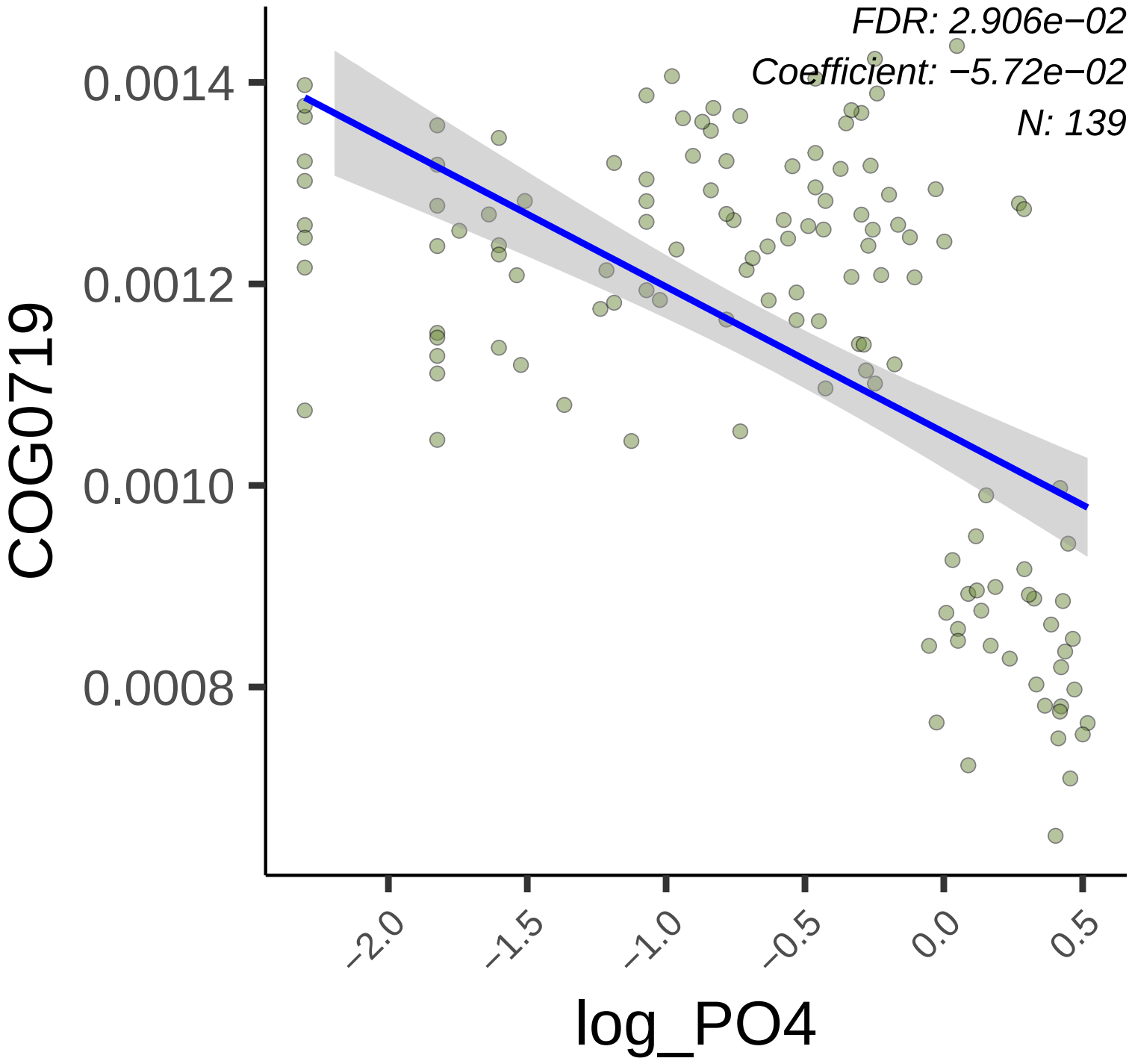
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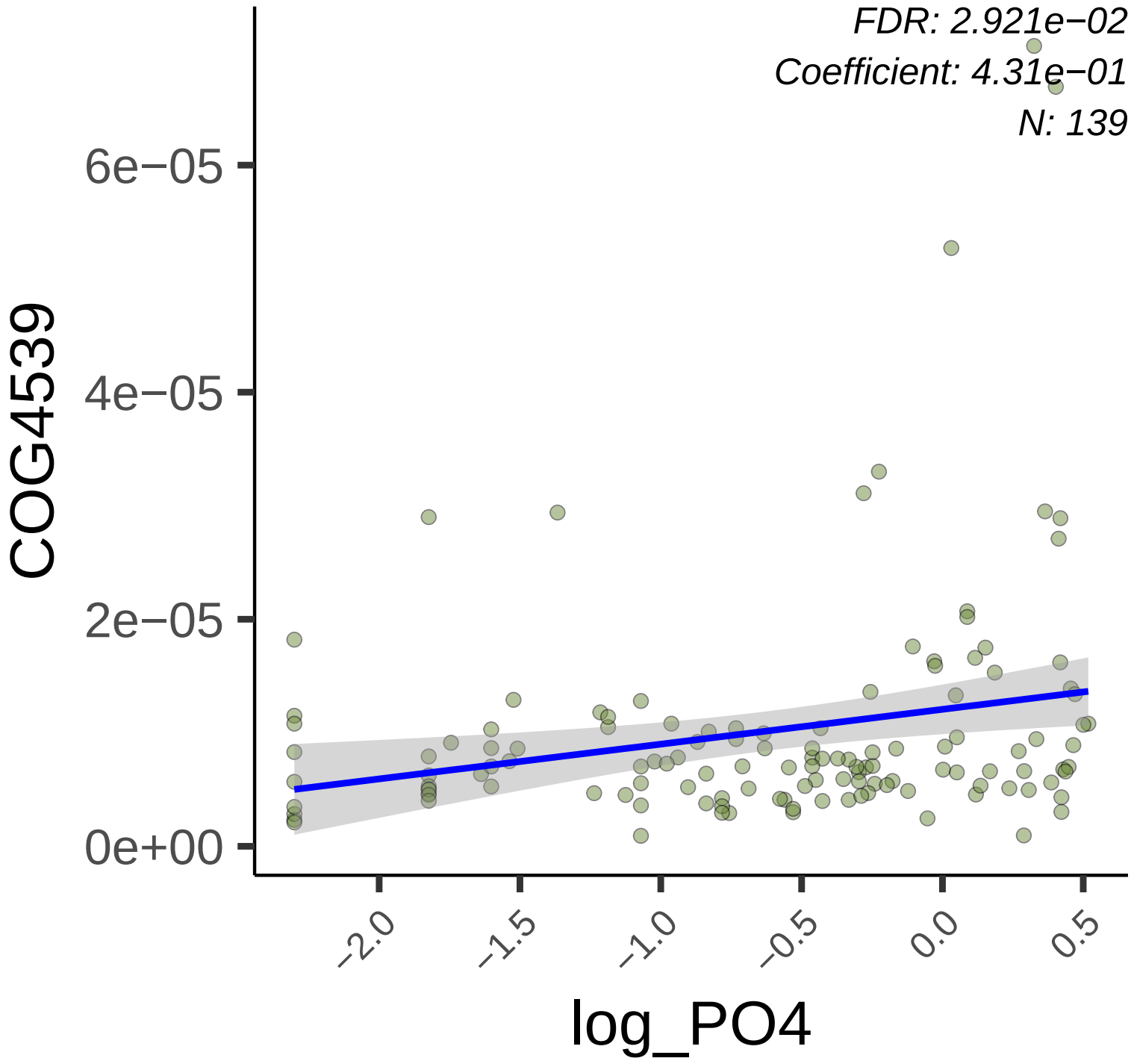
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Coefficient: 4.31e−01
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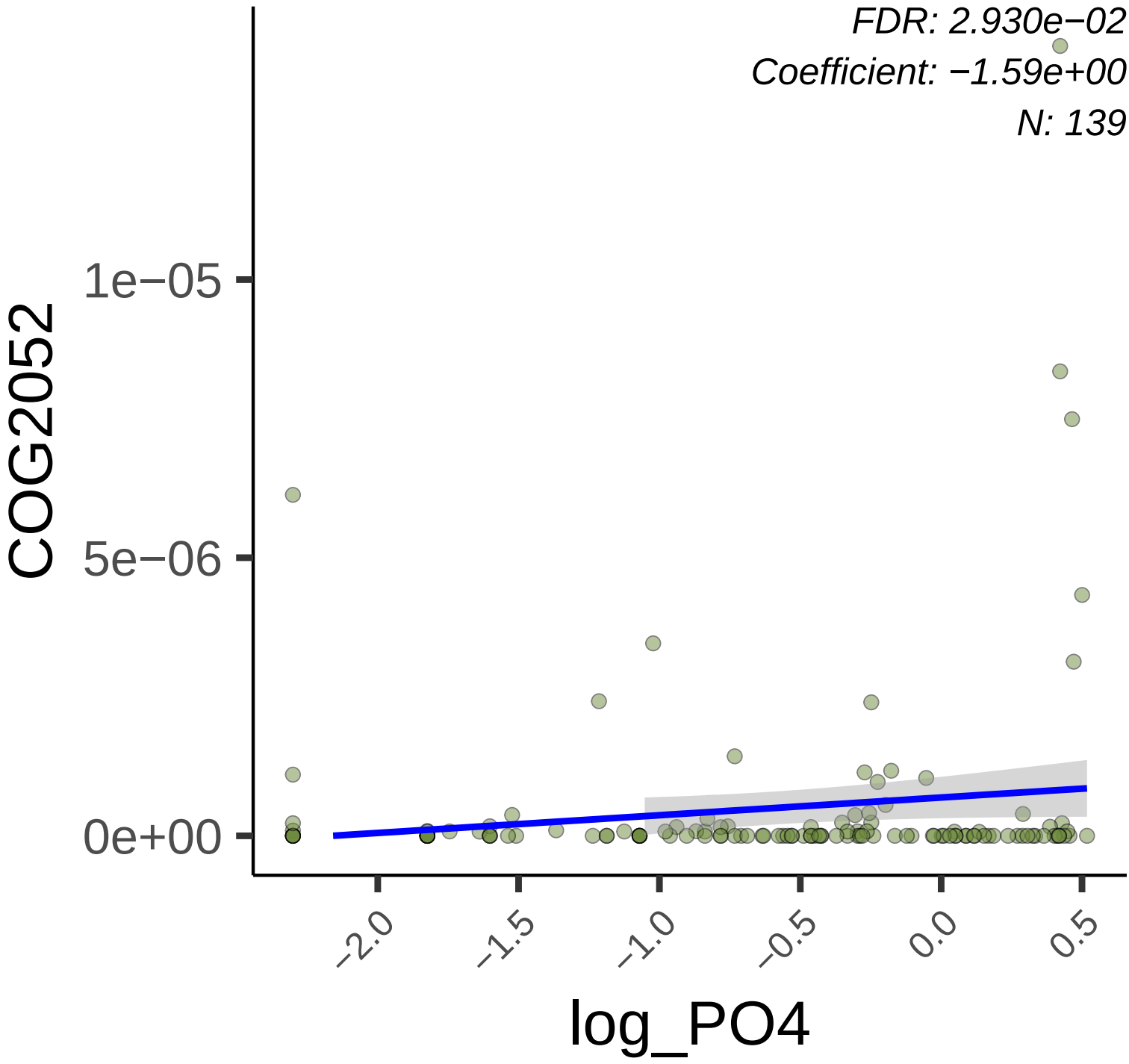
log_PO4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Coefficient: −1.59e+00
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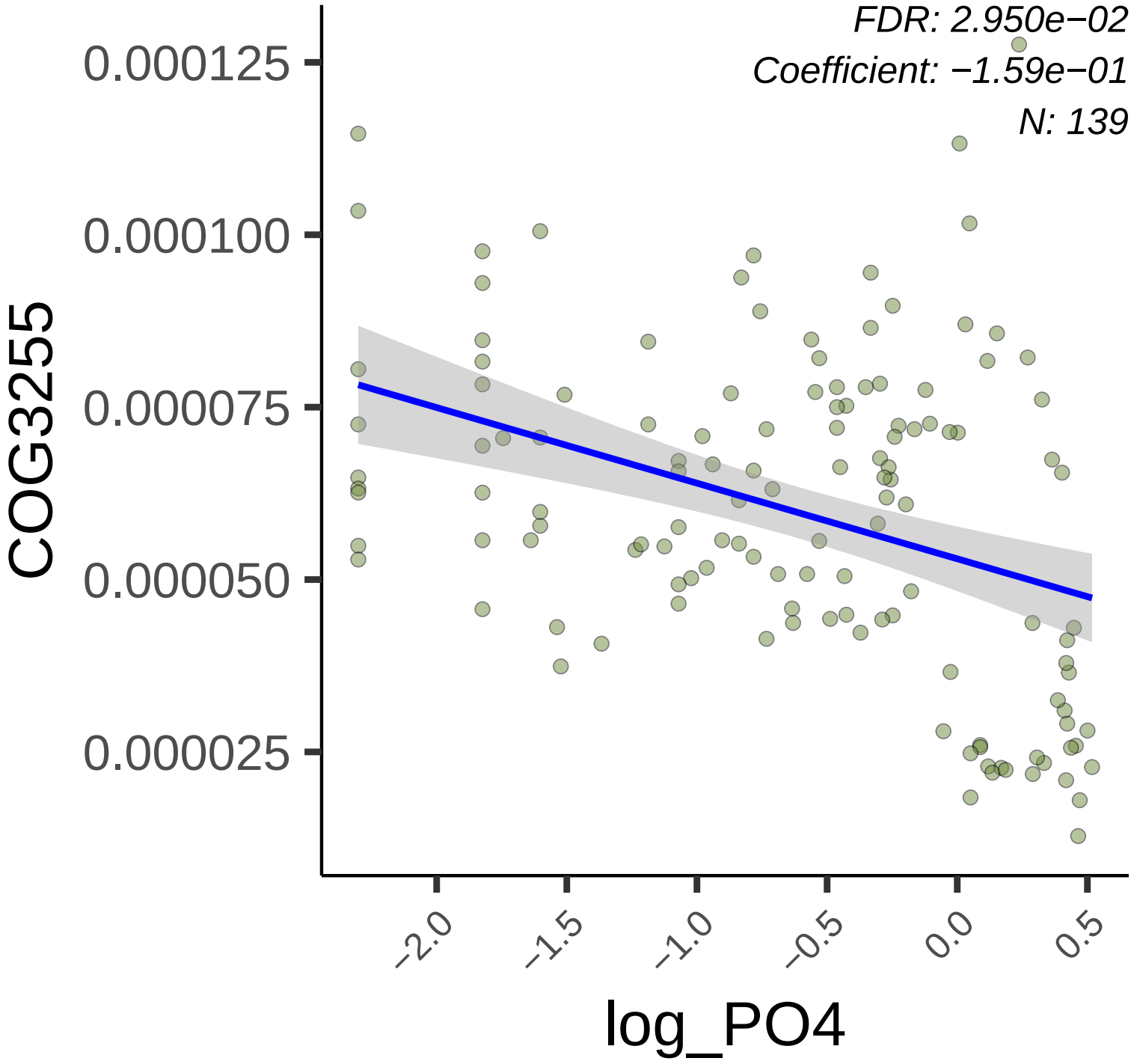
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Coefficient: −1.59e−01
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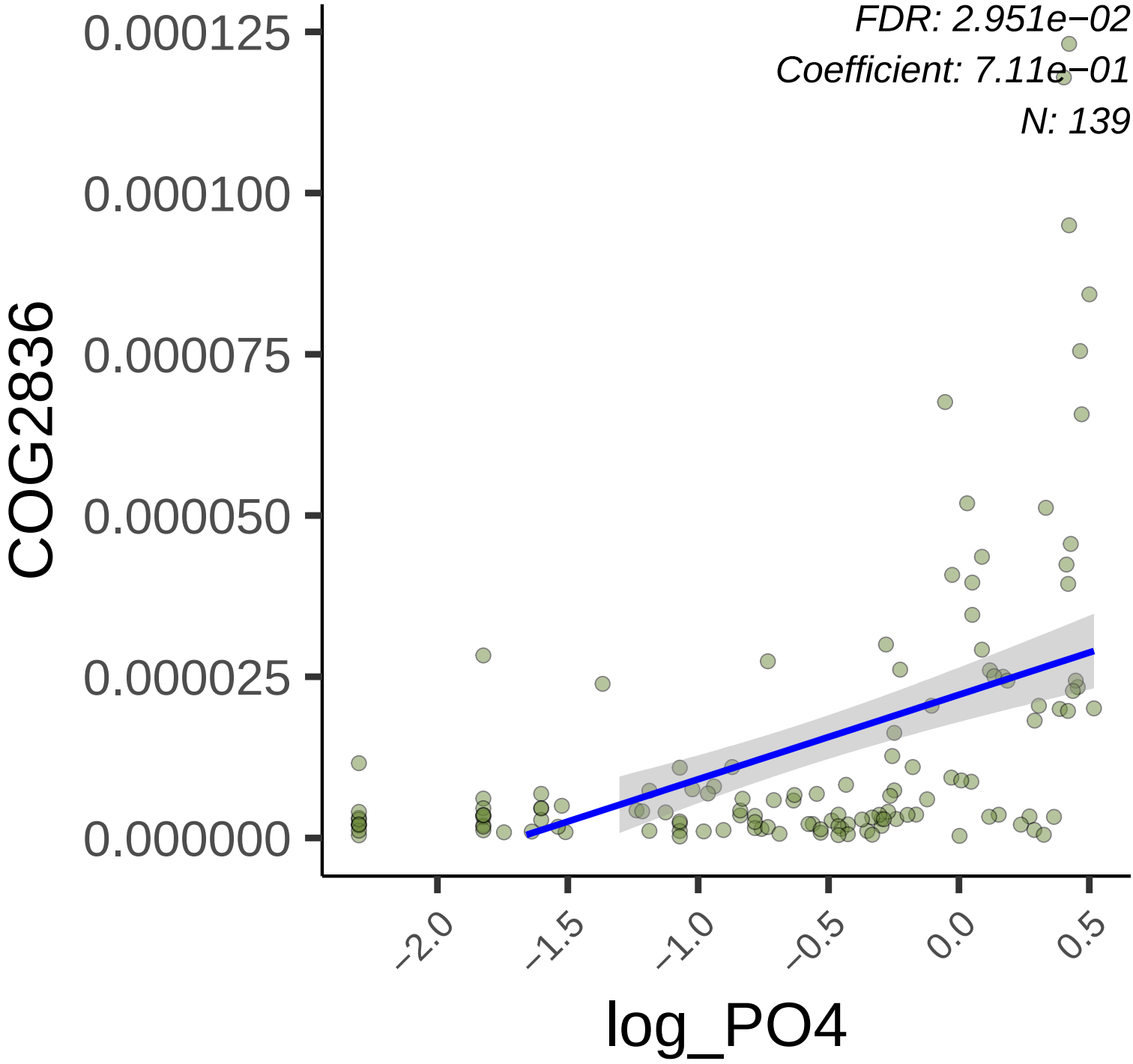
log_PO4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Coefficient: 7.11e−01
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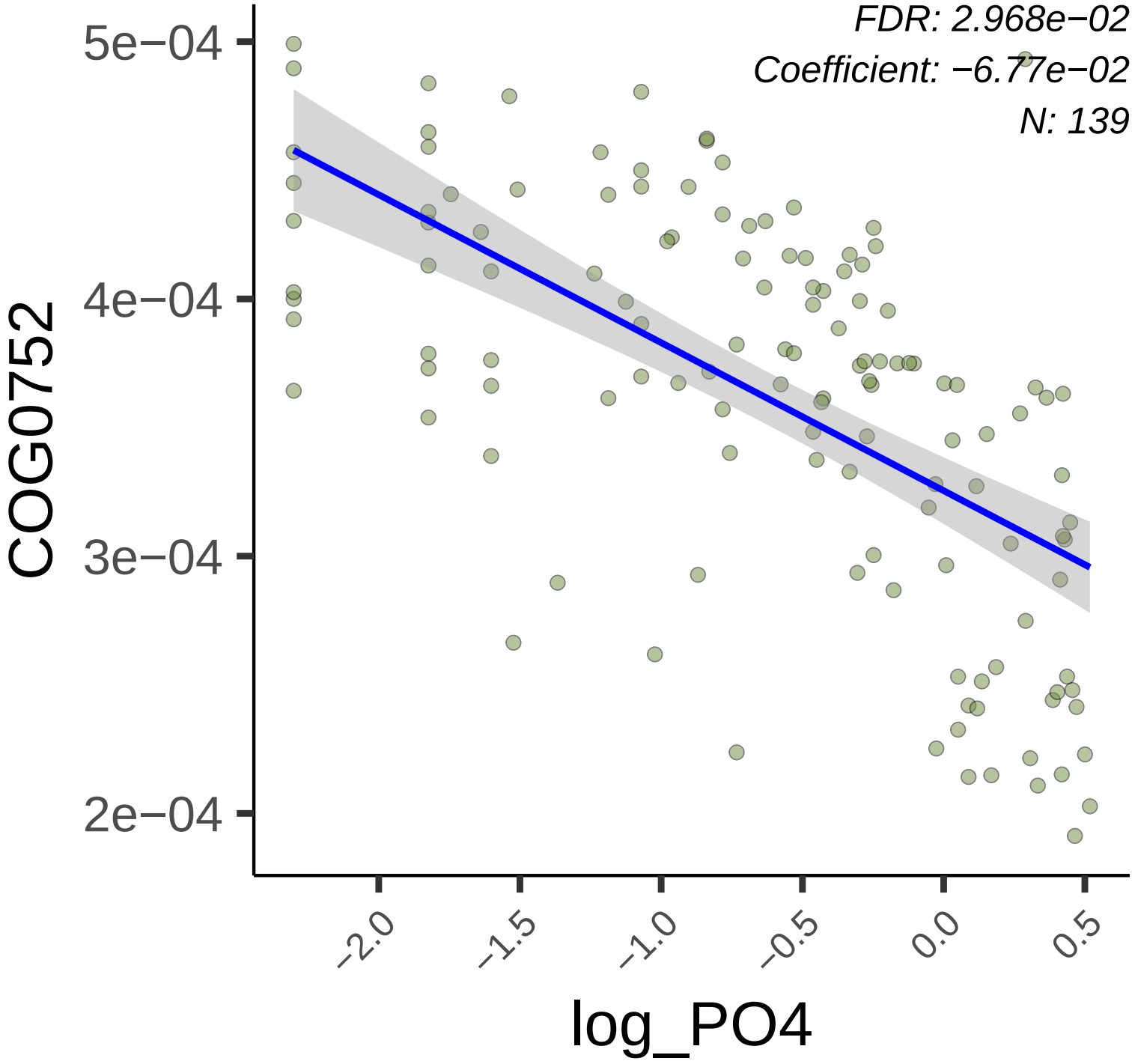
log_PO4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Coefficient: −6.77e−02
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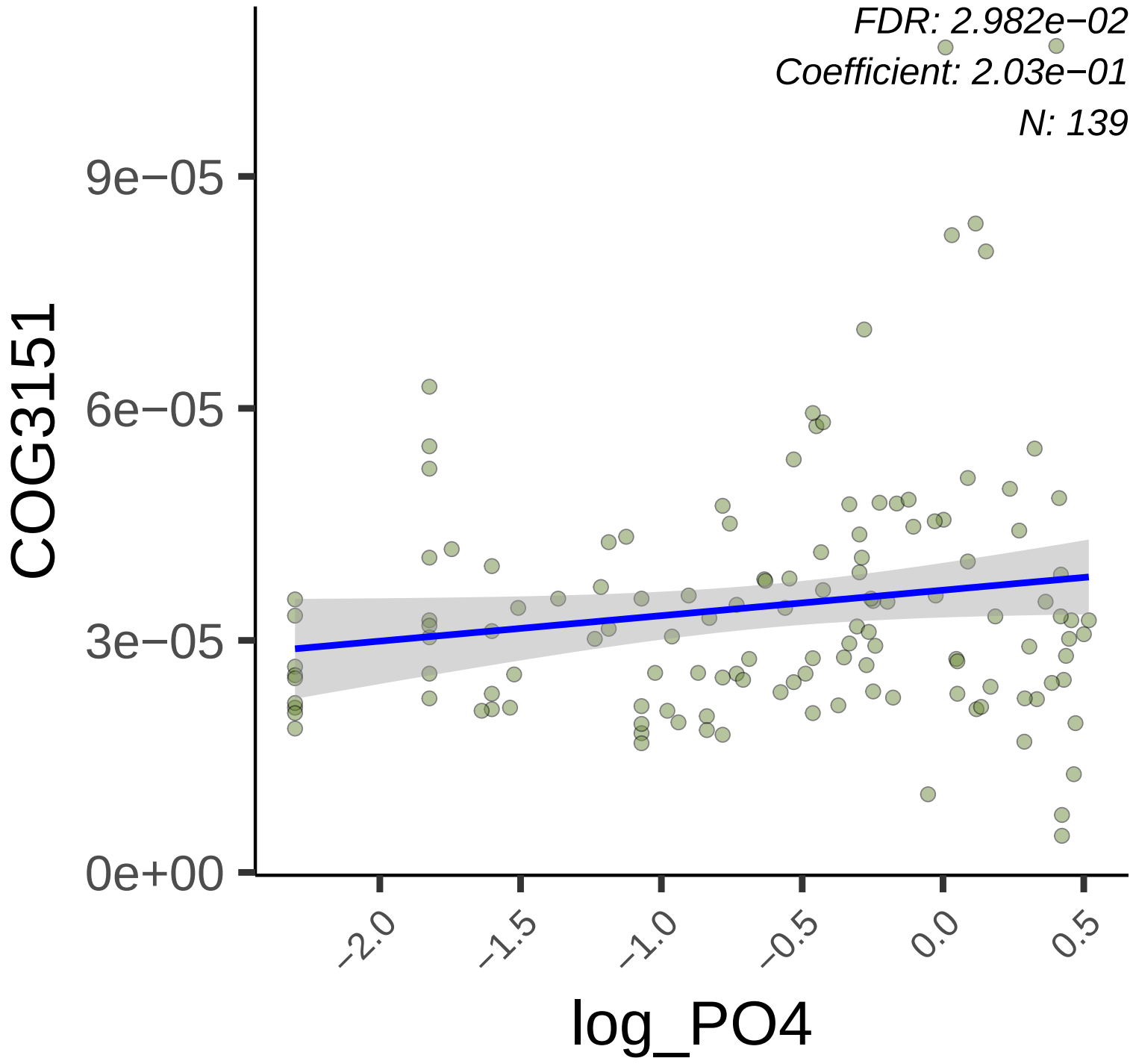
log_PO4


FDR: 2.982e−02
Coefficient: 2.03e−01
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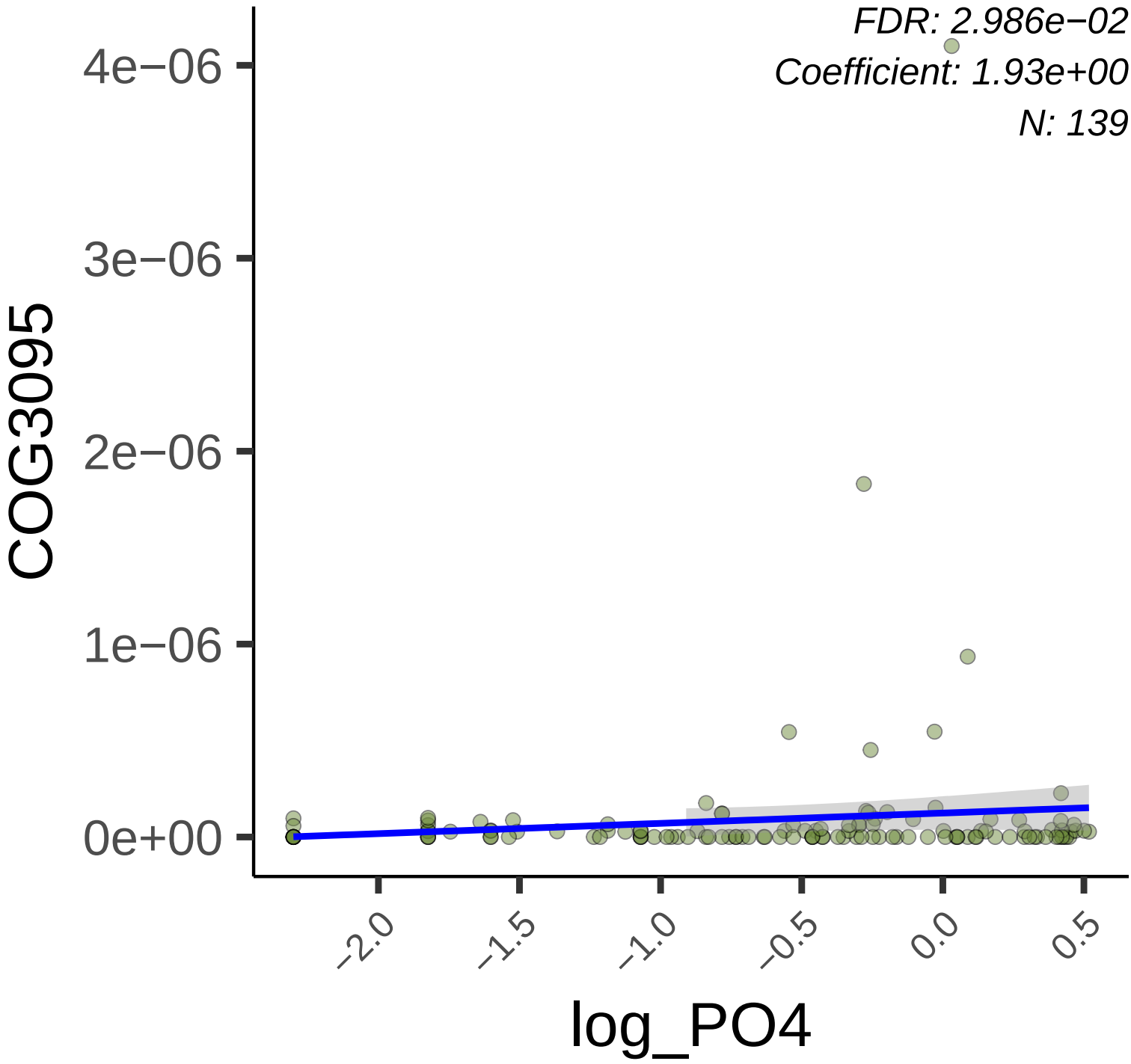
log_PO4


FDR: 2.986e−02
Coefficient: 1.93e+00
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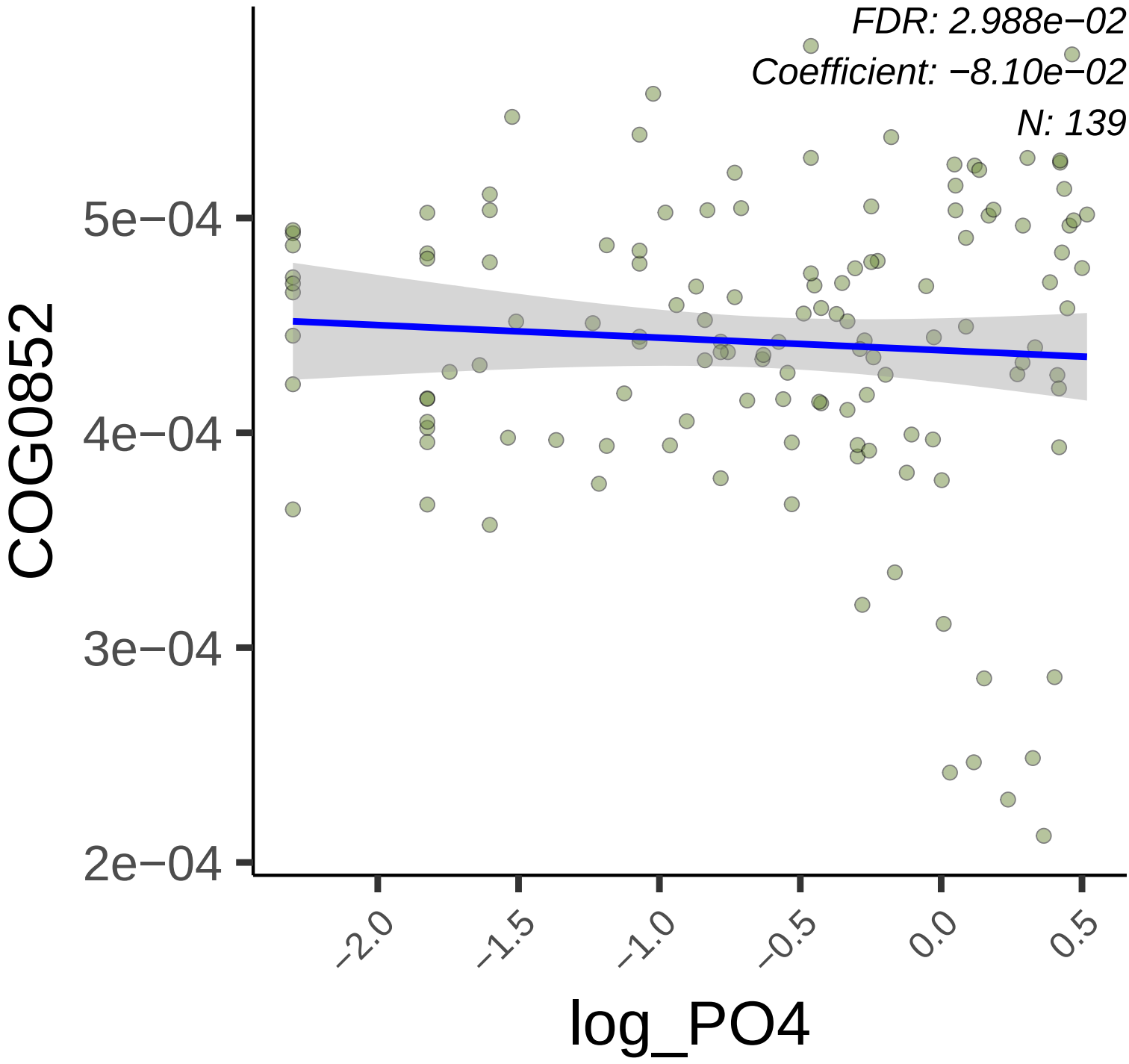
log_PO4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Coefficient: −8.10e−02
N: 139
COG0852
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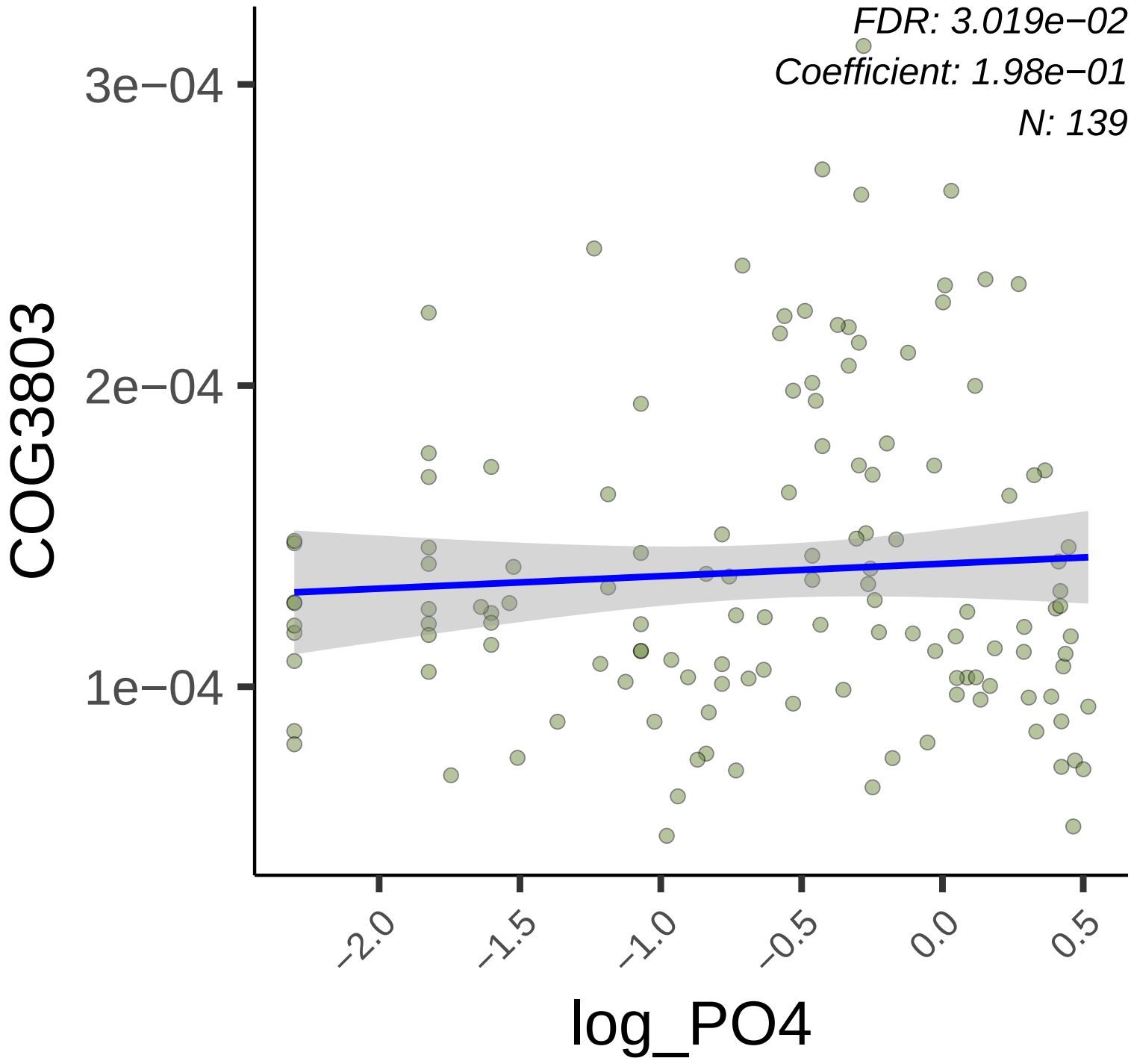
log_PO4


FDR: 3.019e−02
Coefficient: 1.98e−01
N: 139
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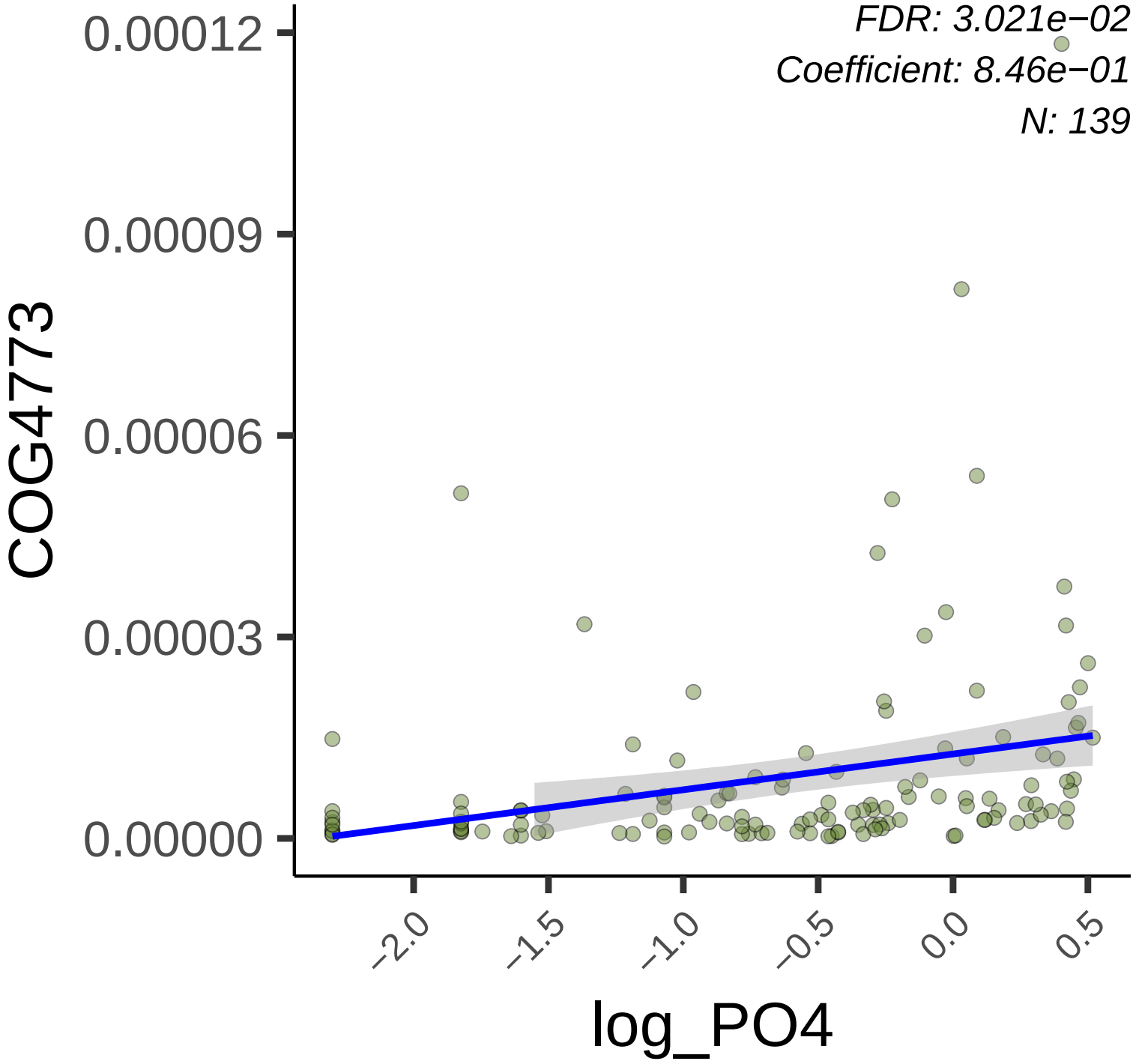
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Coefficient: 8.46e−01
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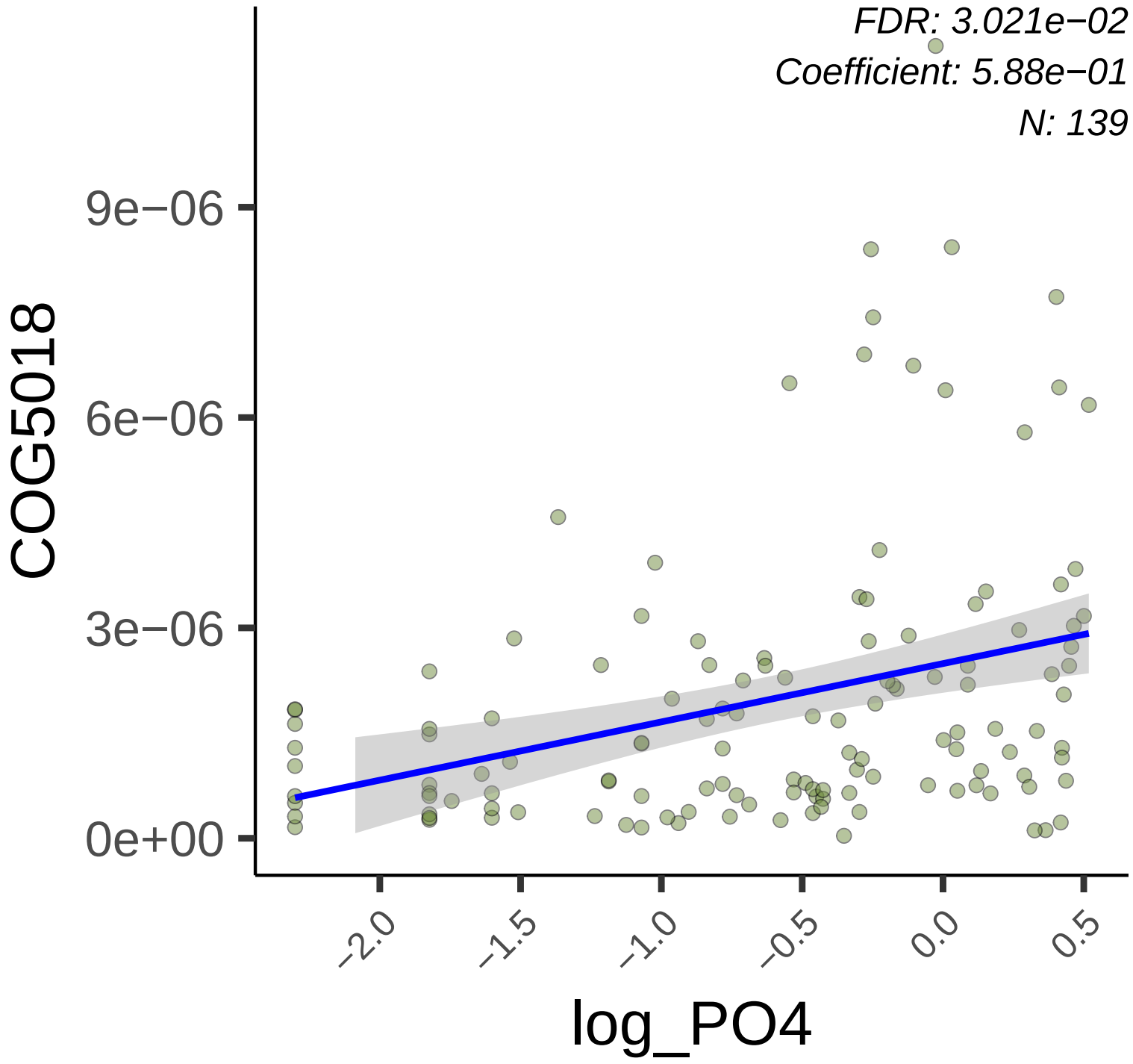
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Coefficient: 5.88e−01
N: 139
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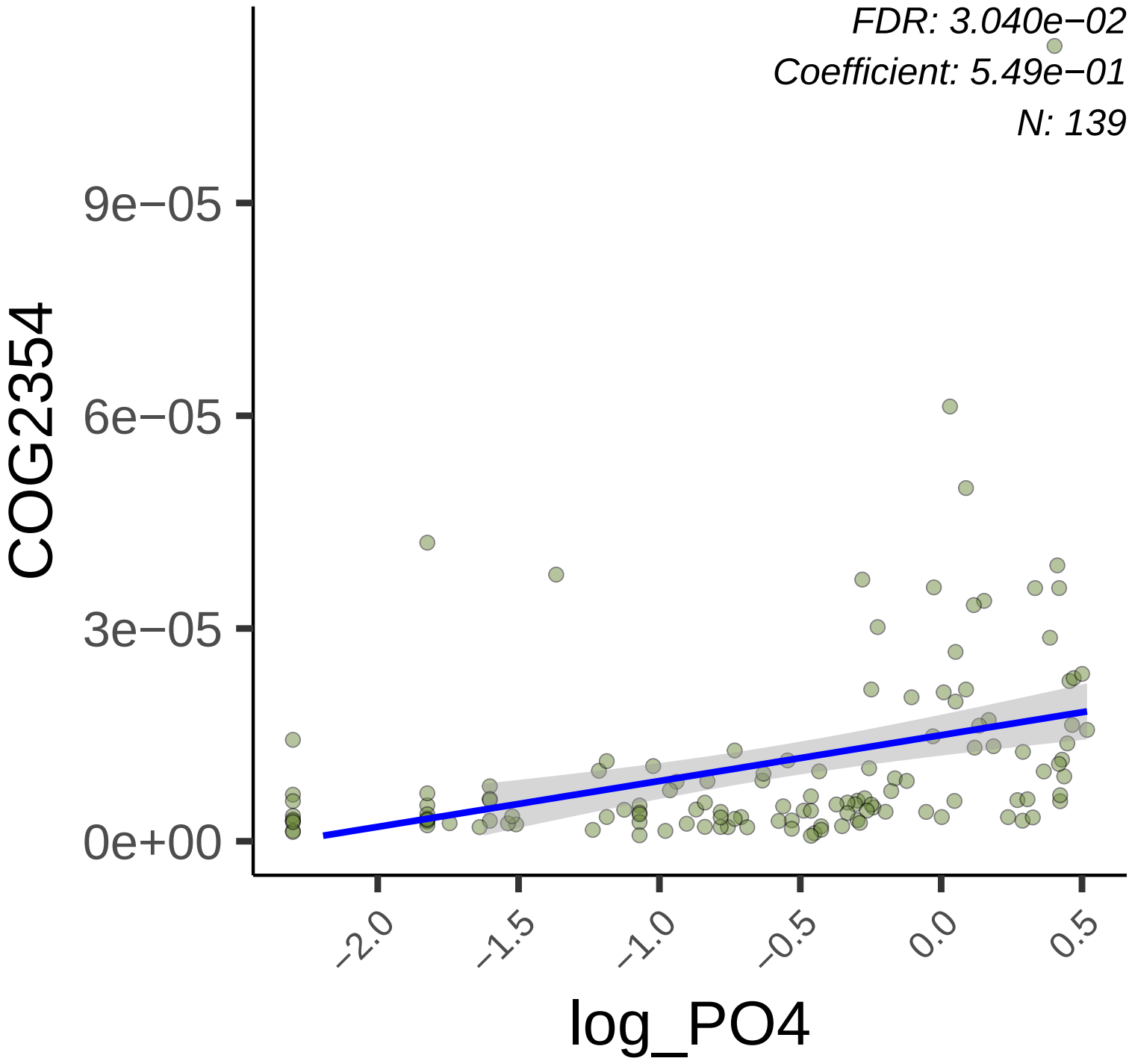
log_PO4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Coefficient: 5.49e−01
N: 139
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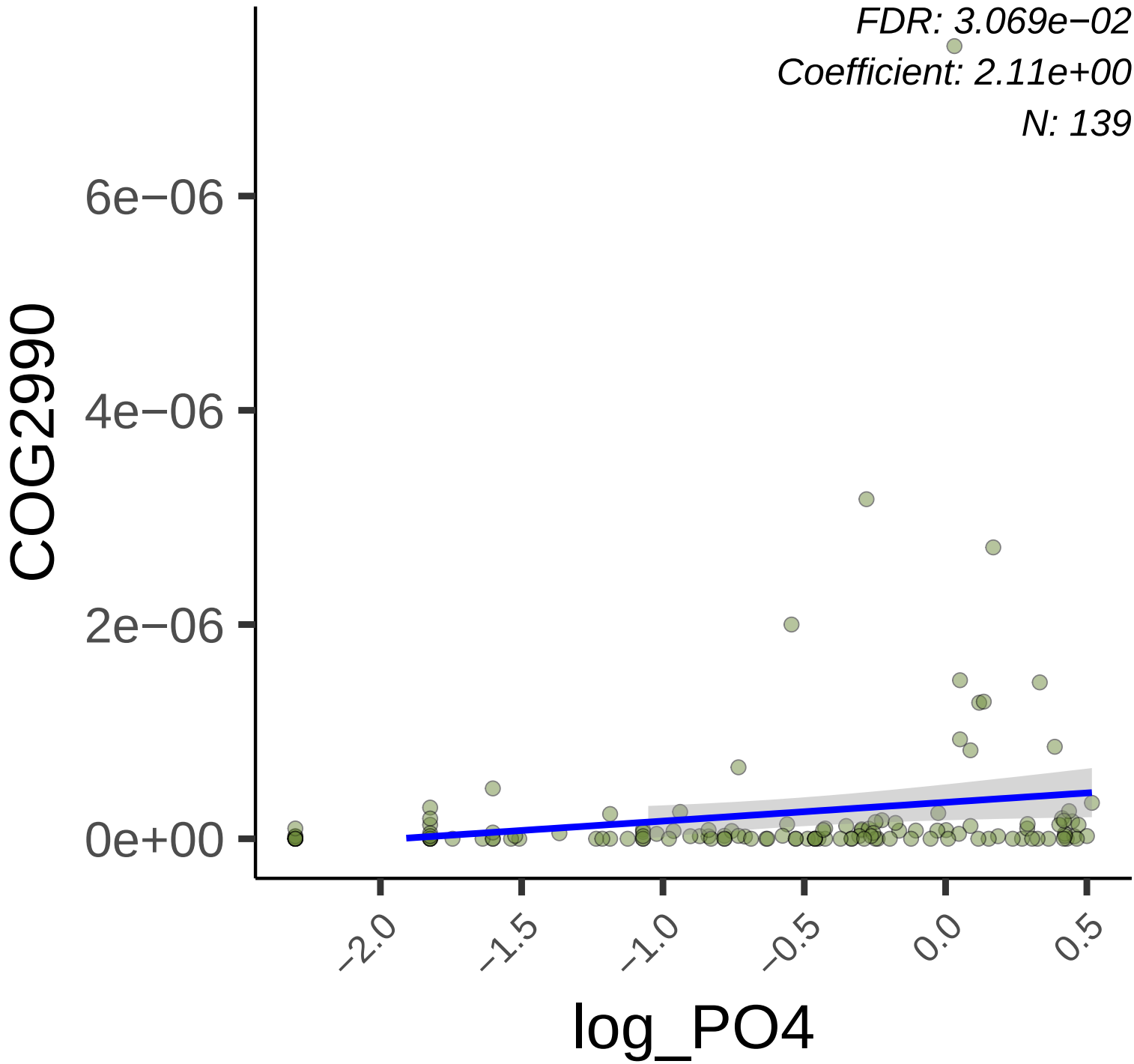
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Coefficient: 2.11e+00
N: 139
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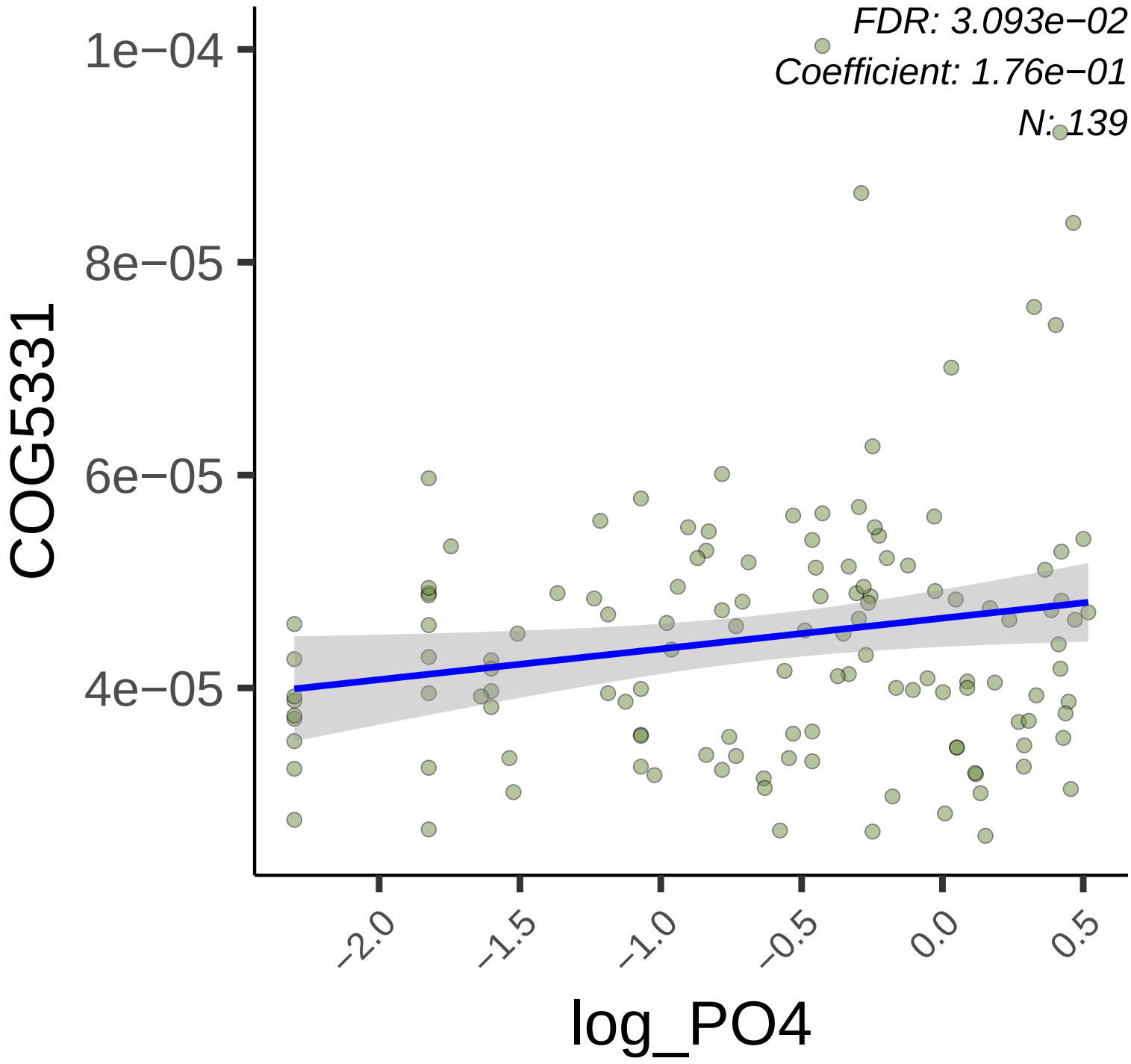
log_PO4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Coefficient: 1.76e−01
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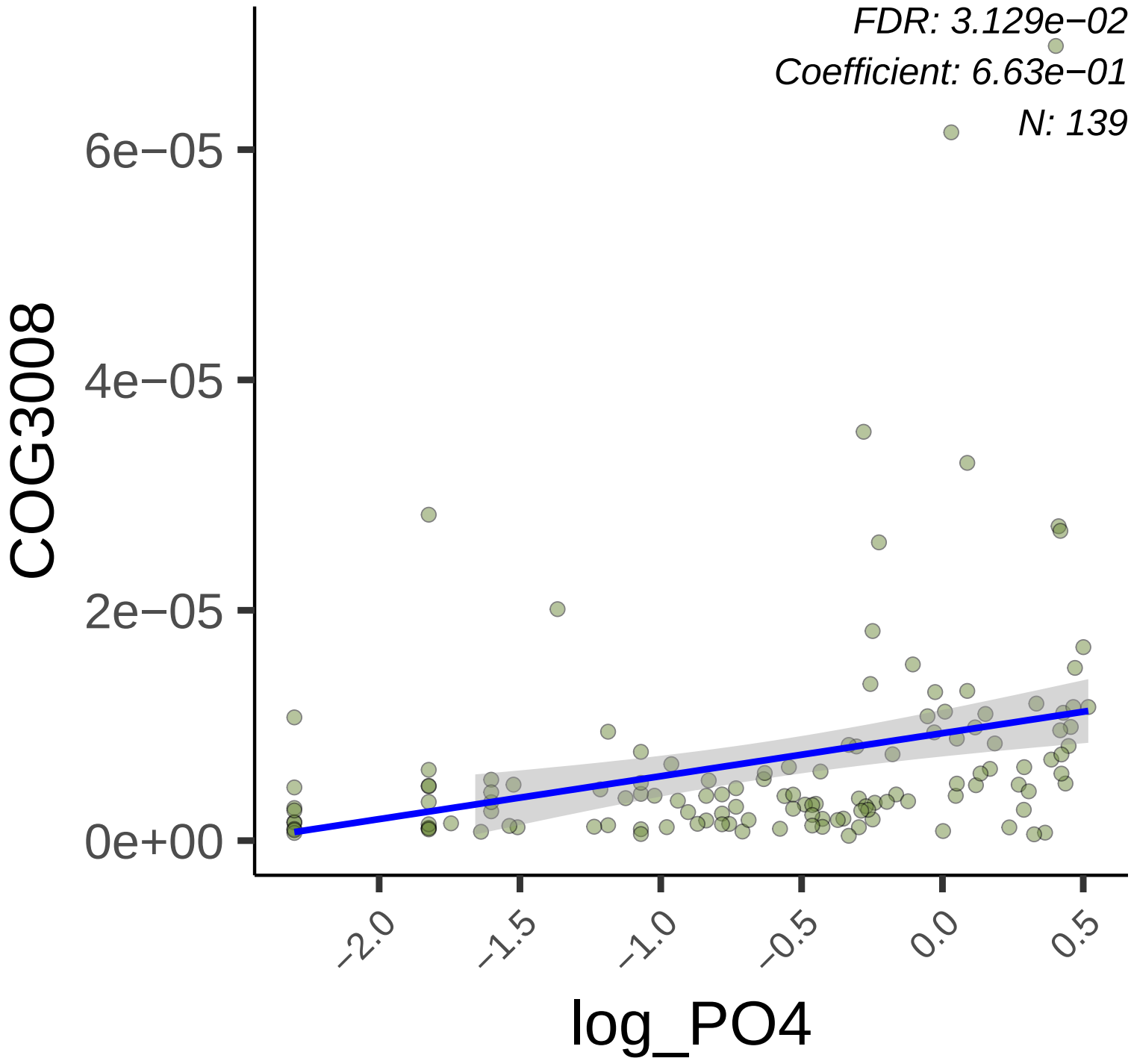
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Coefficient: 6.63e−01
N: 139
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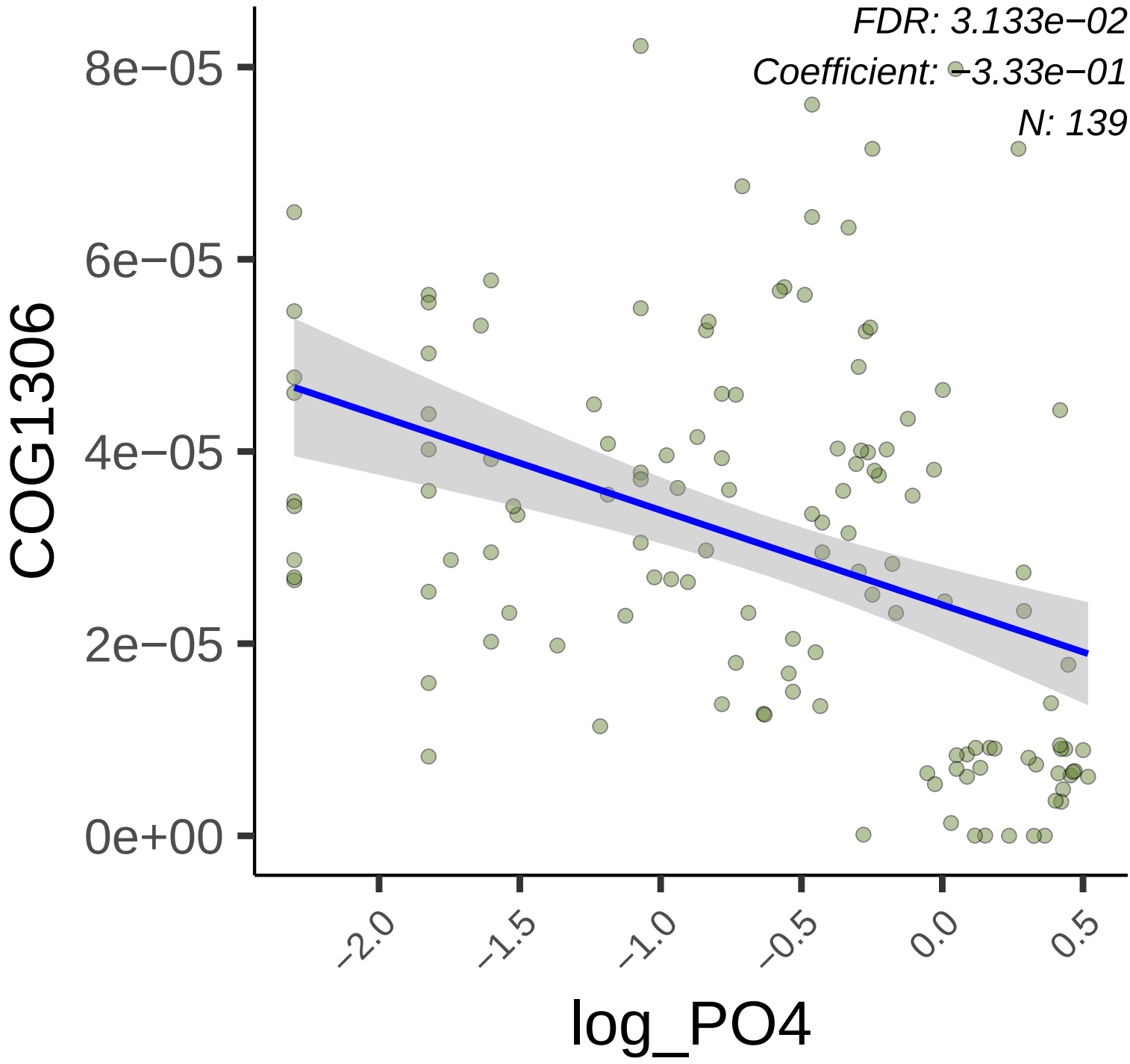
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Coefficient: −3.33e−01
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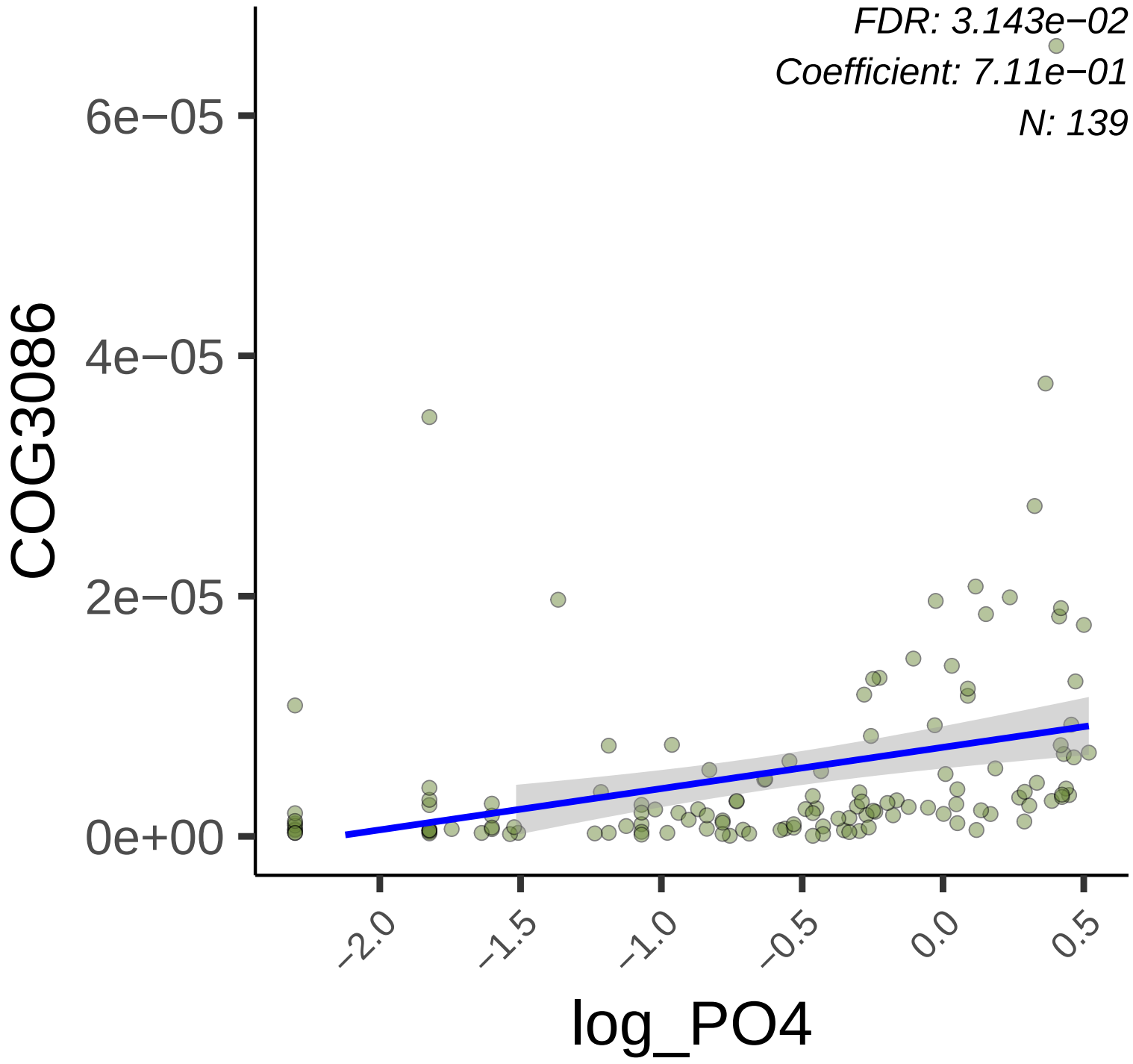
log_PO4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Coefficient: 7.11e−01
N: 139
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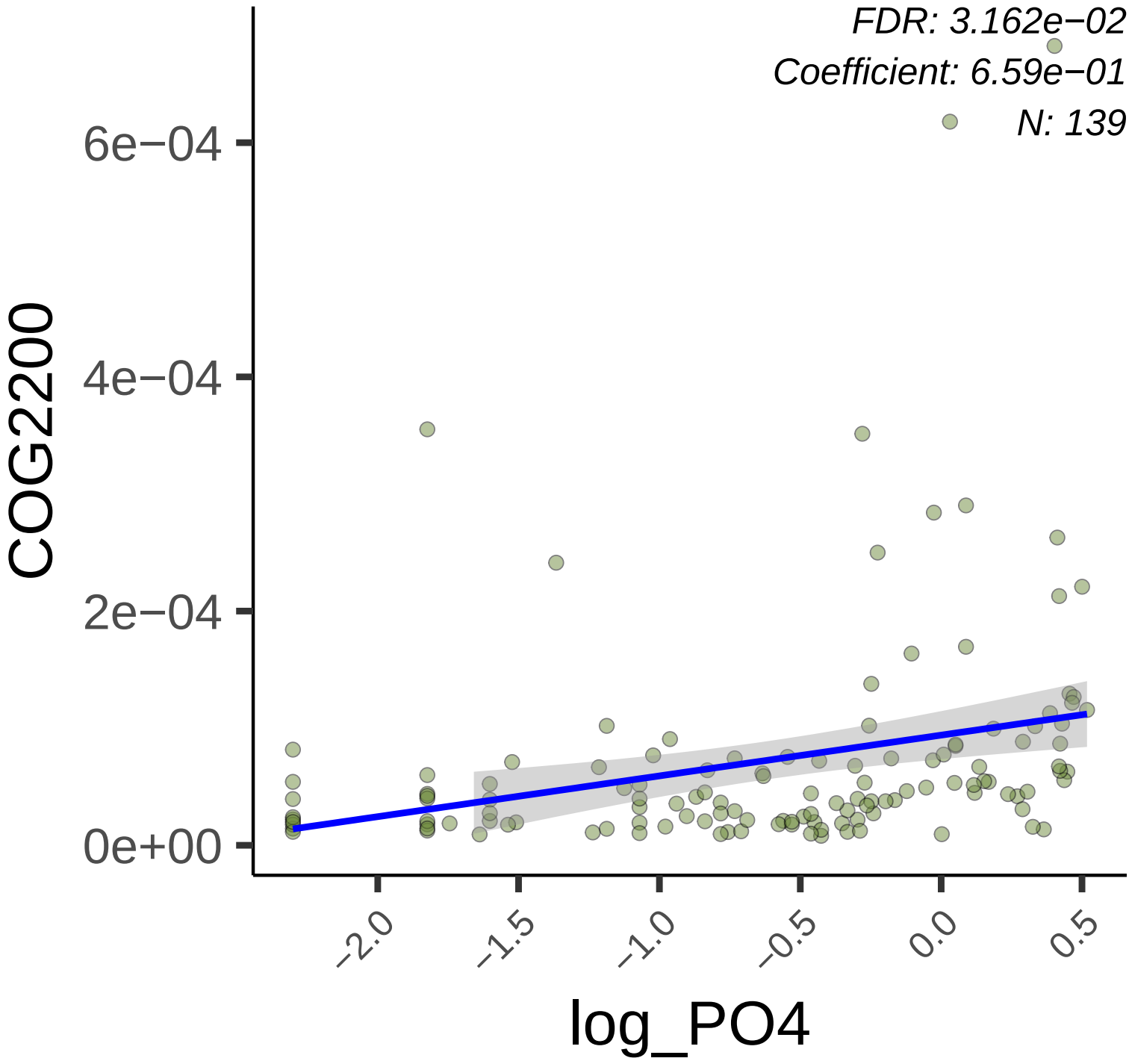
log_PO4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Coefficient: 6.59e−01
N: 139
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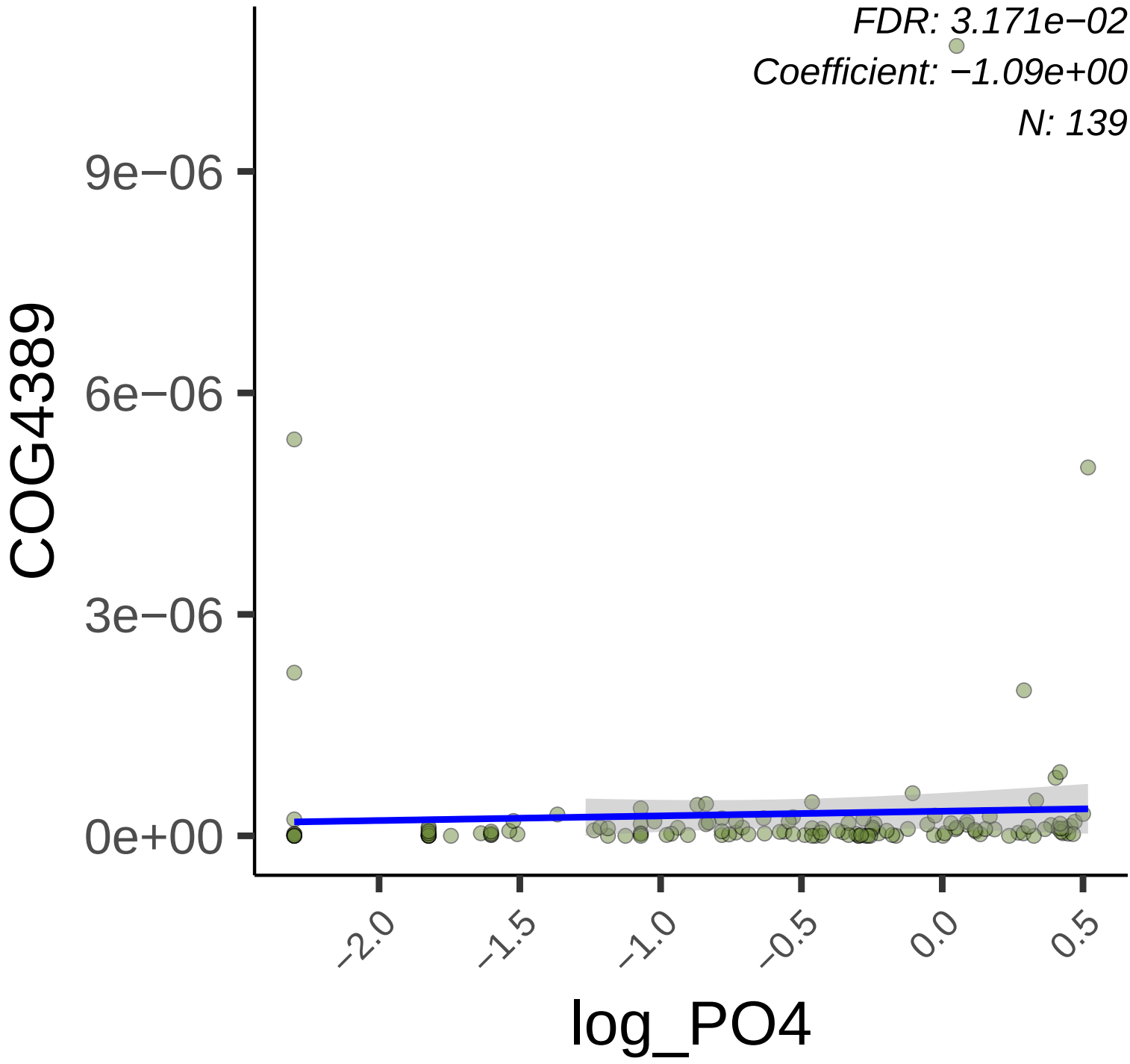
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Coefficient: −1.09e+00
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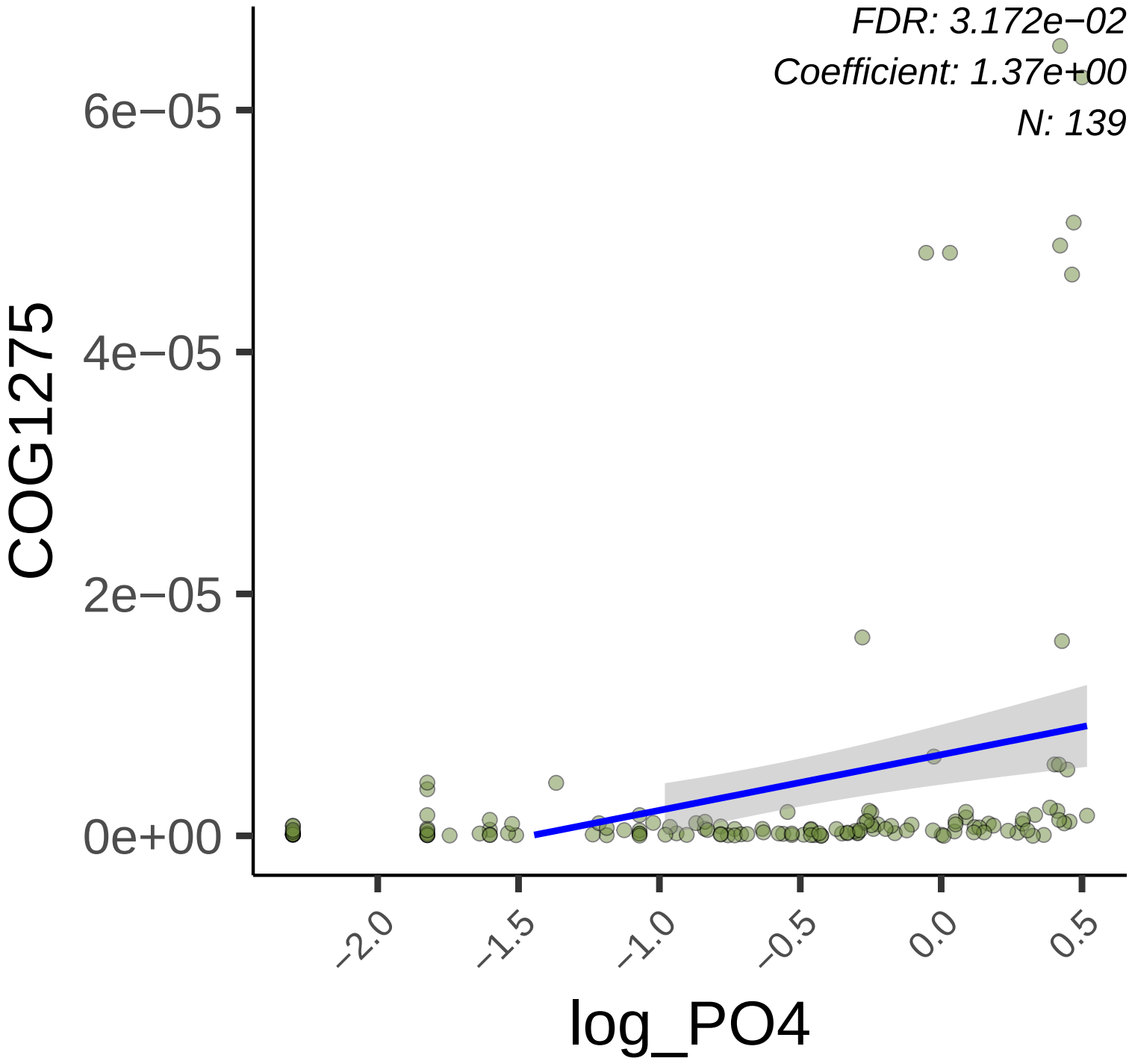
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Coefficient: 1.37e+00
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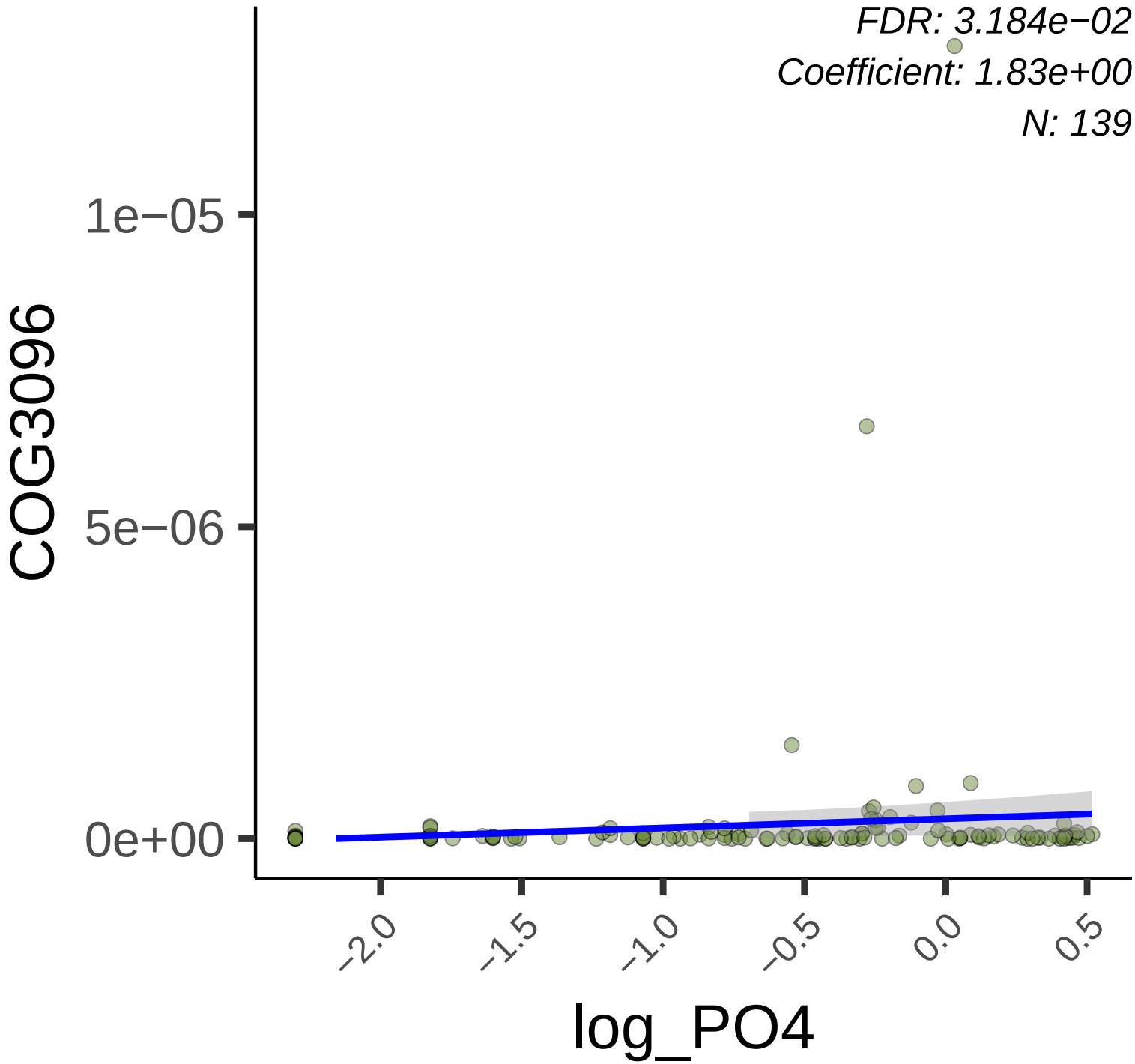
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Coefficient: 1.83e+00
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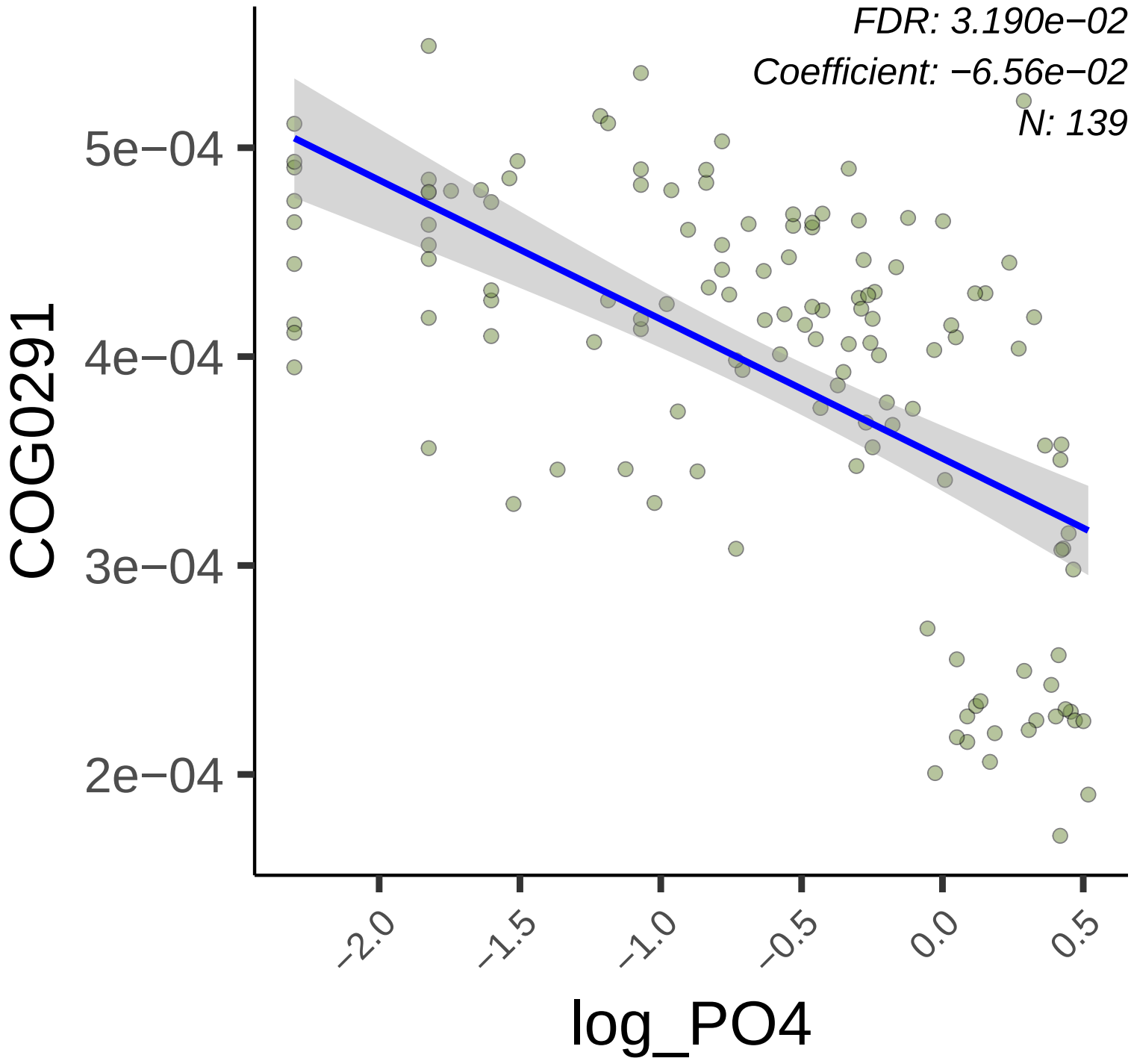
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Coefficient: −6.56e−02
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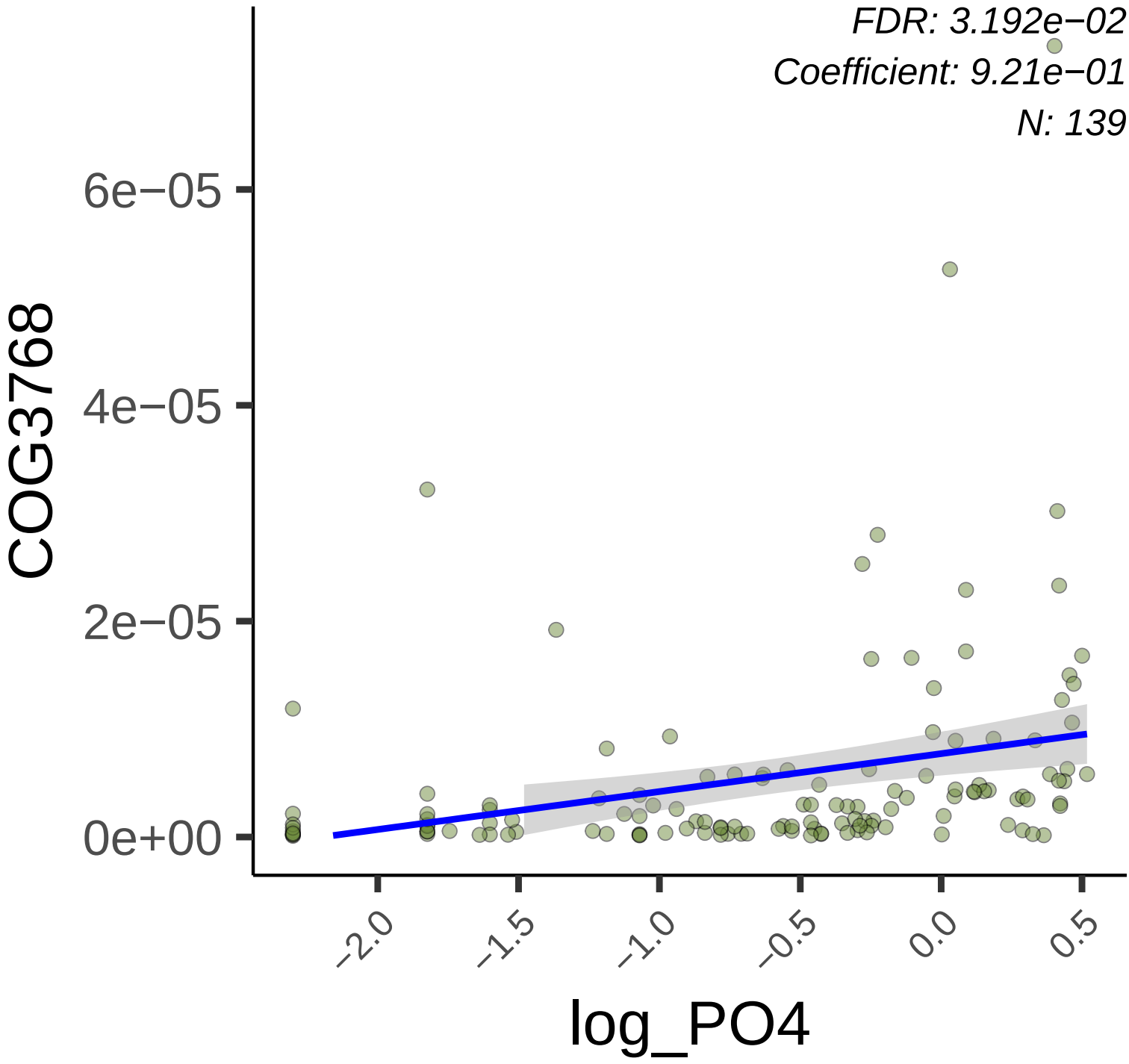
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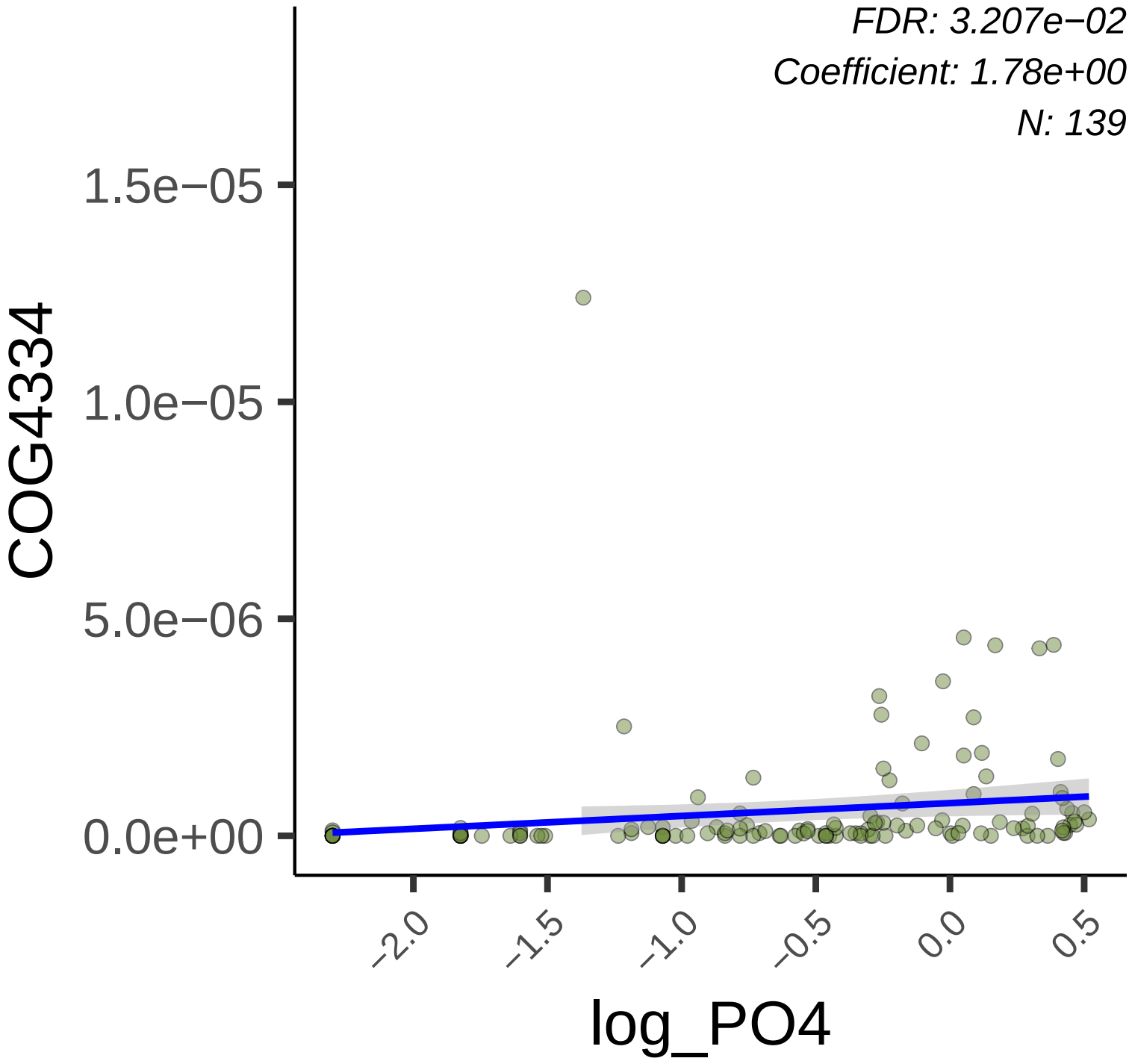
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Coefficient: 1.78e+00
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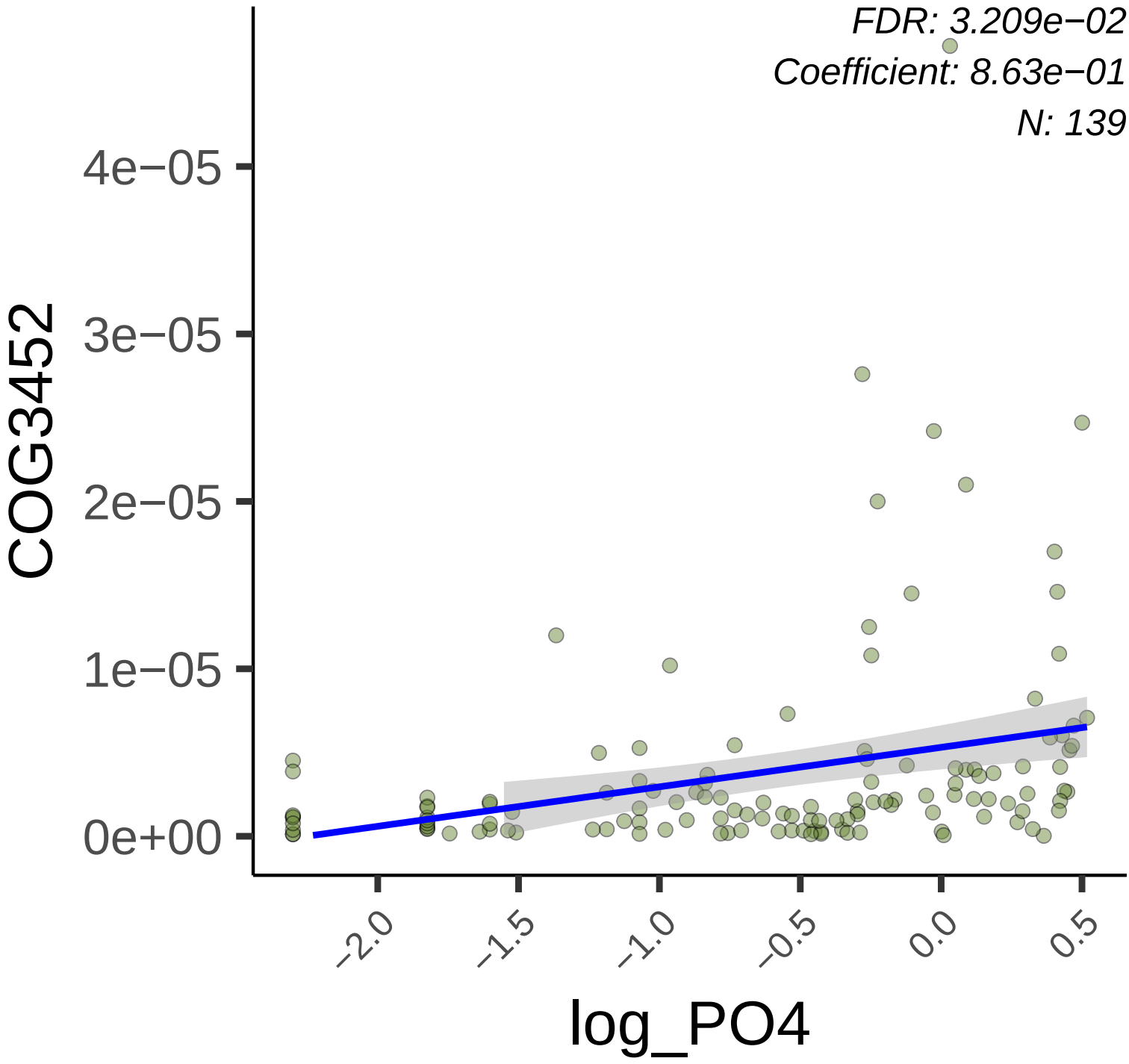
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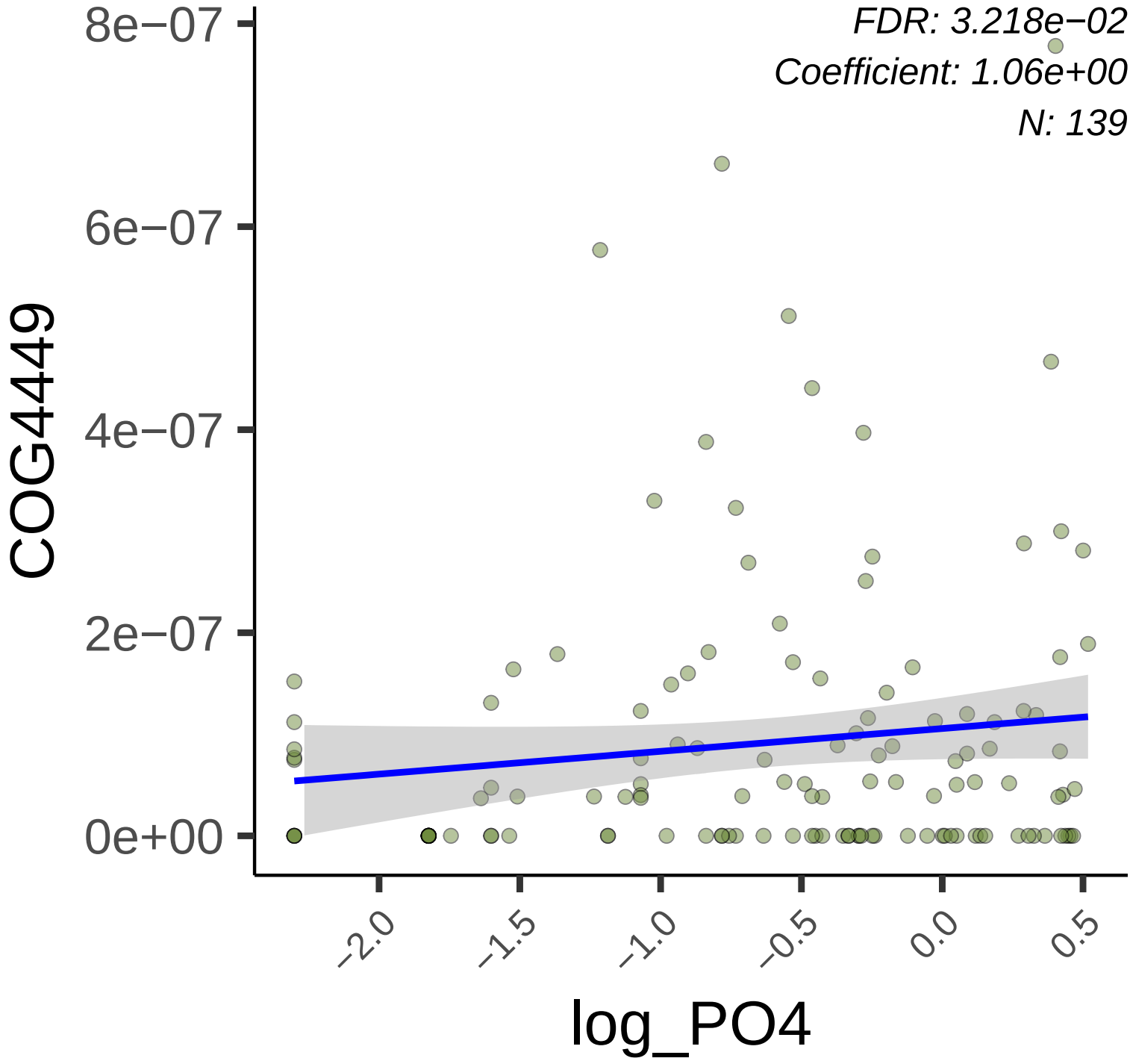
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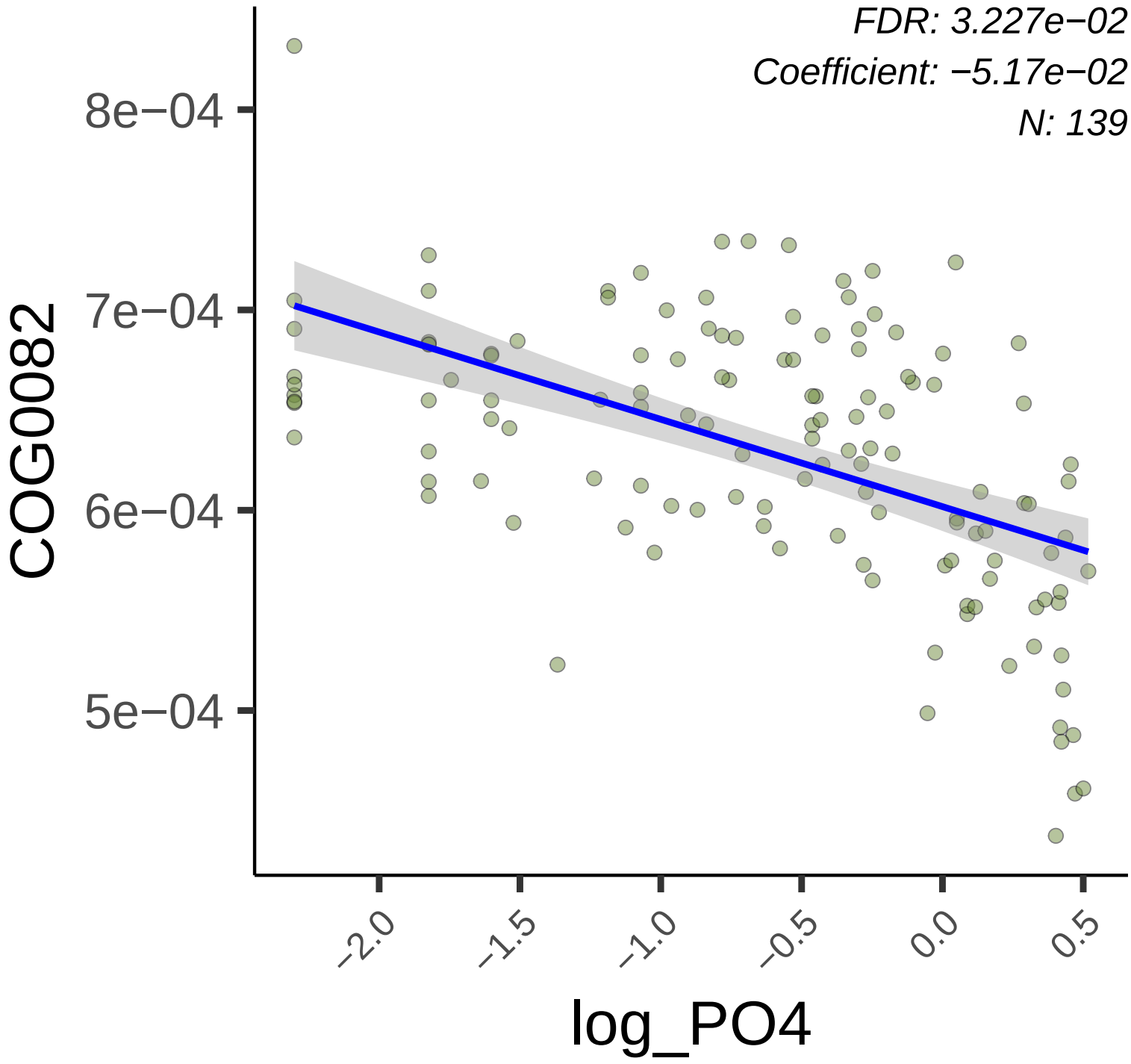
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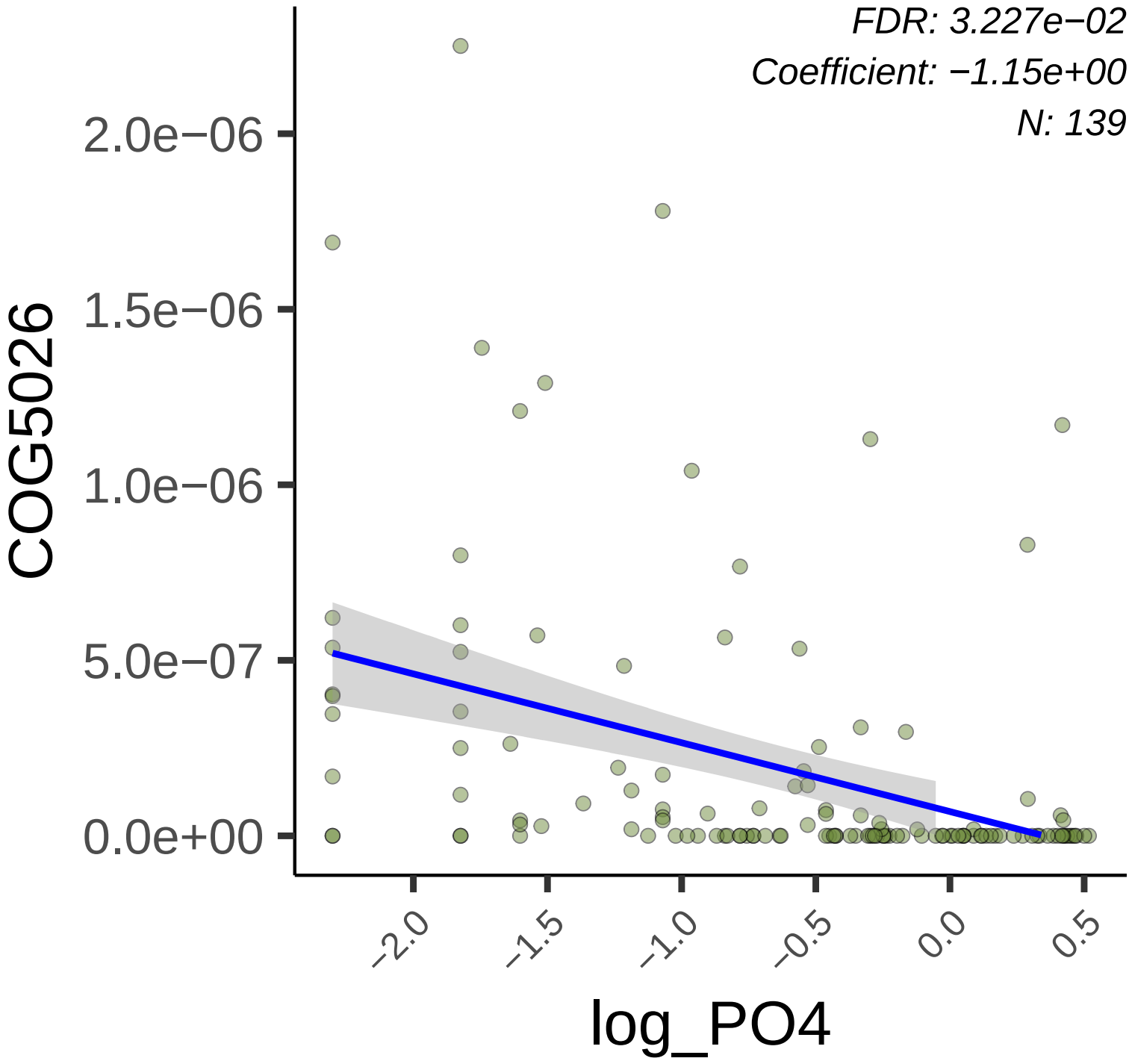
log_PO4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Coefficient: −1.15e+00
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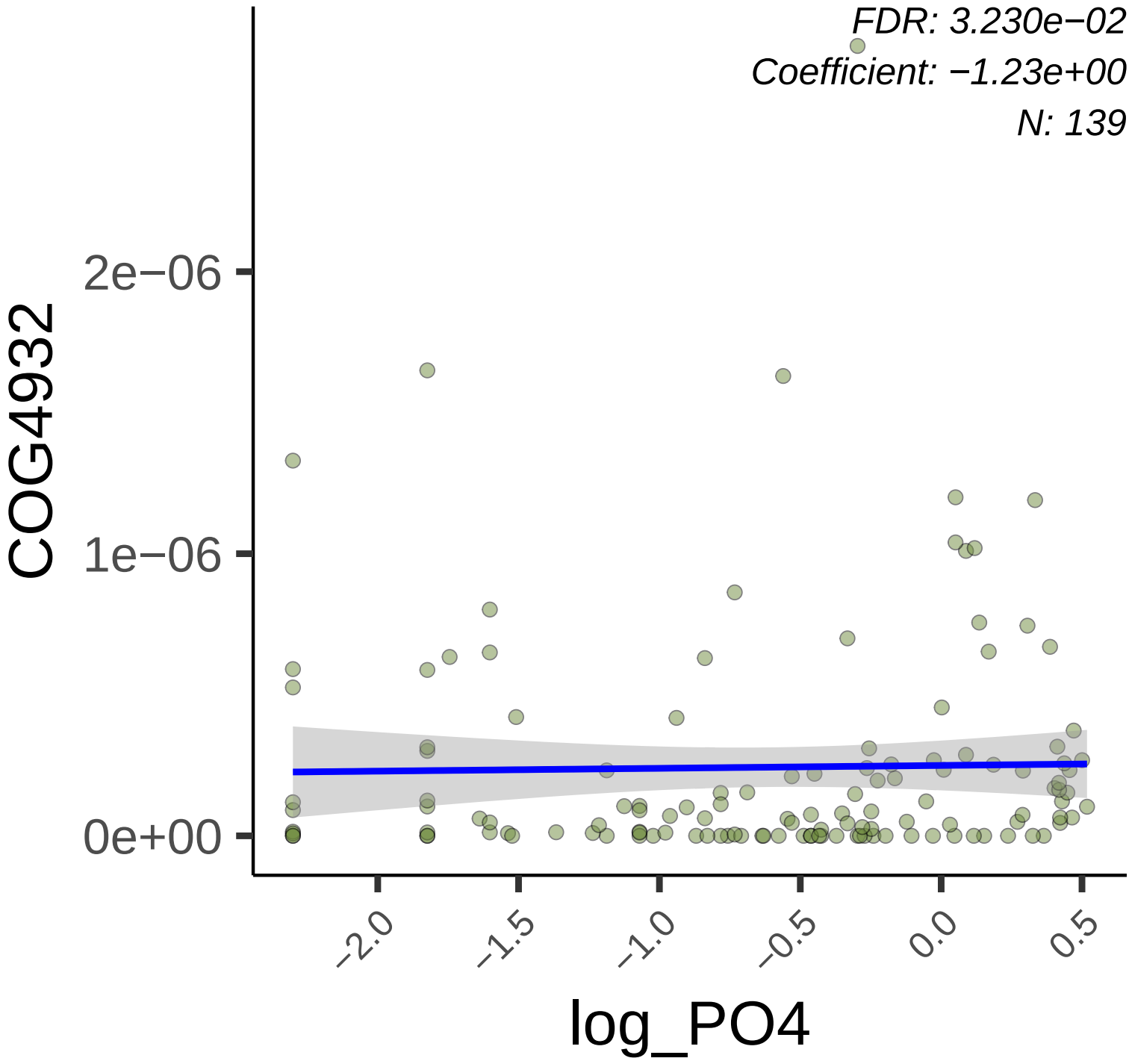
log_PO4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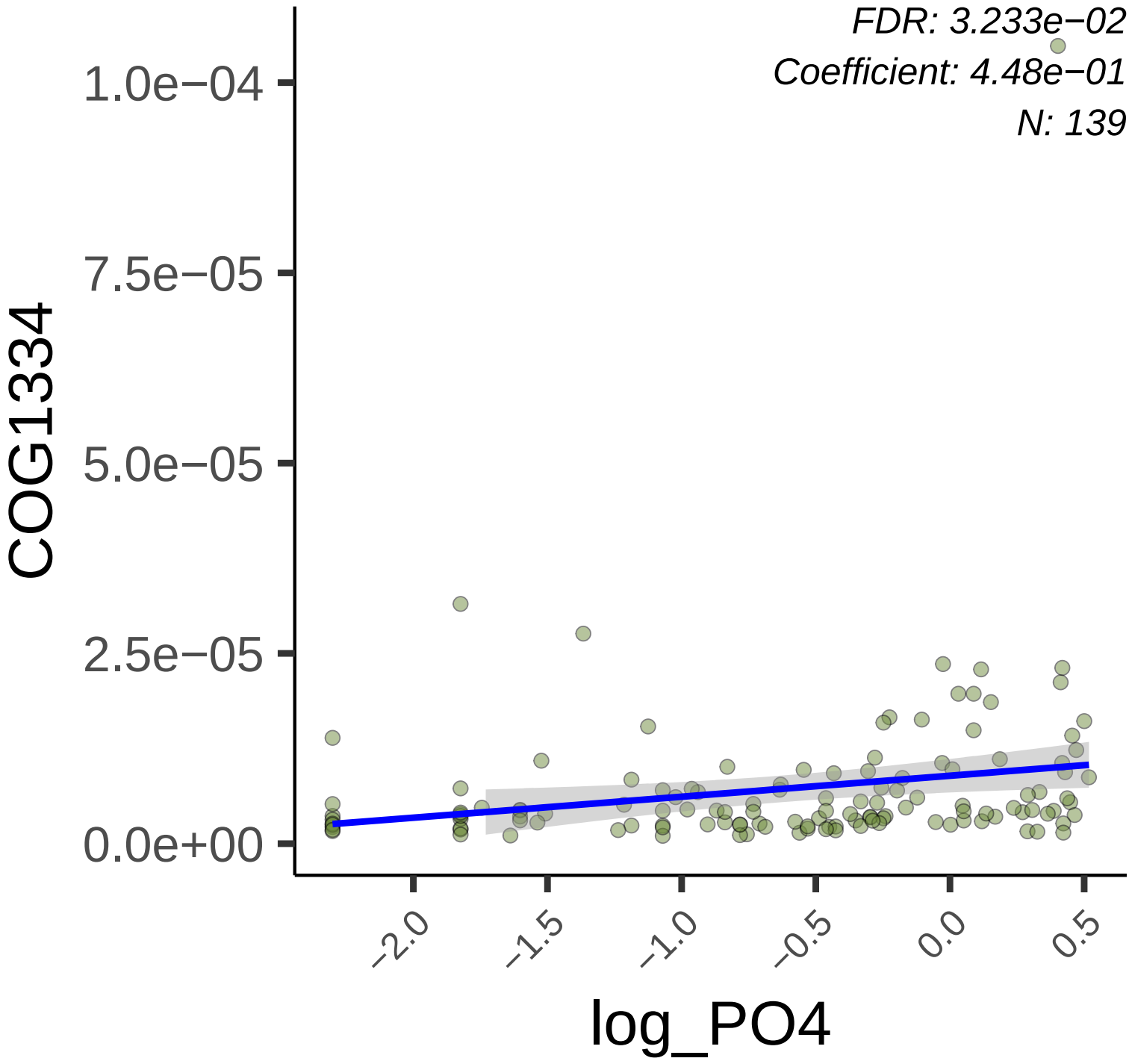
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N: 139
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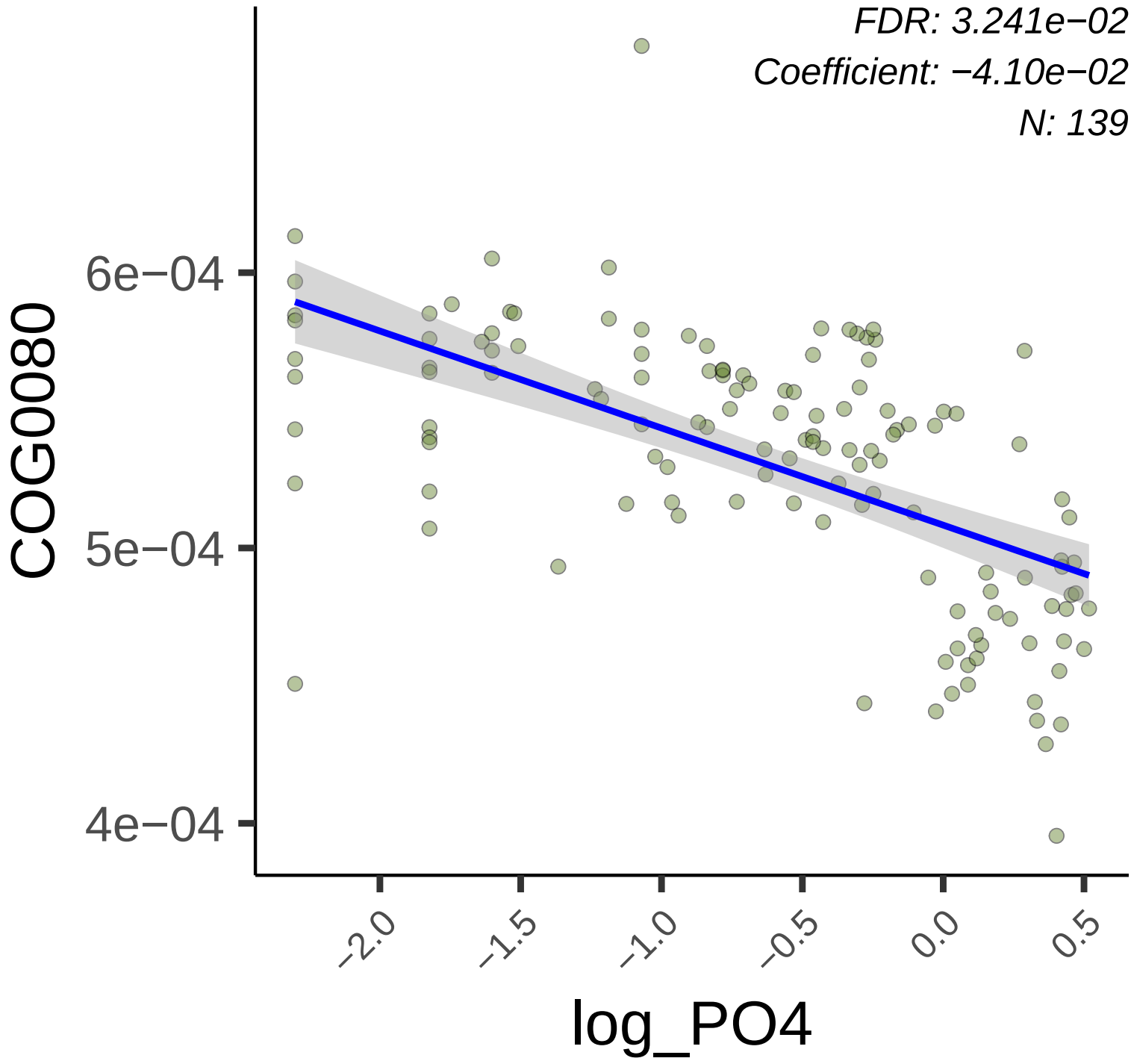
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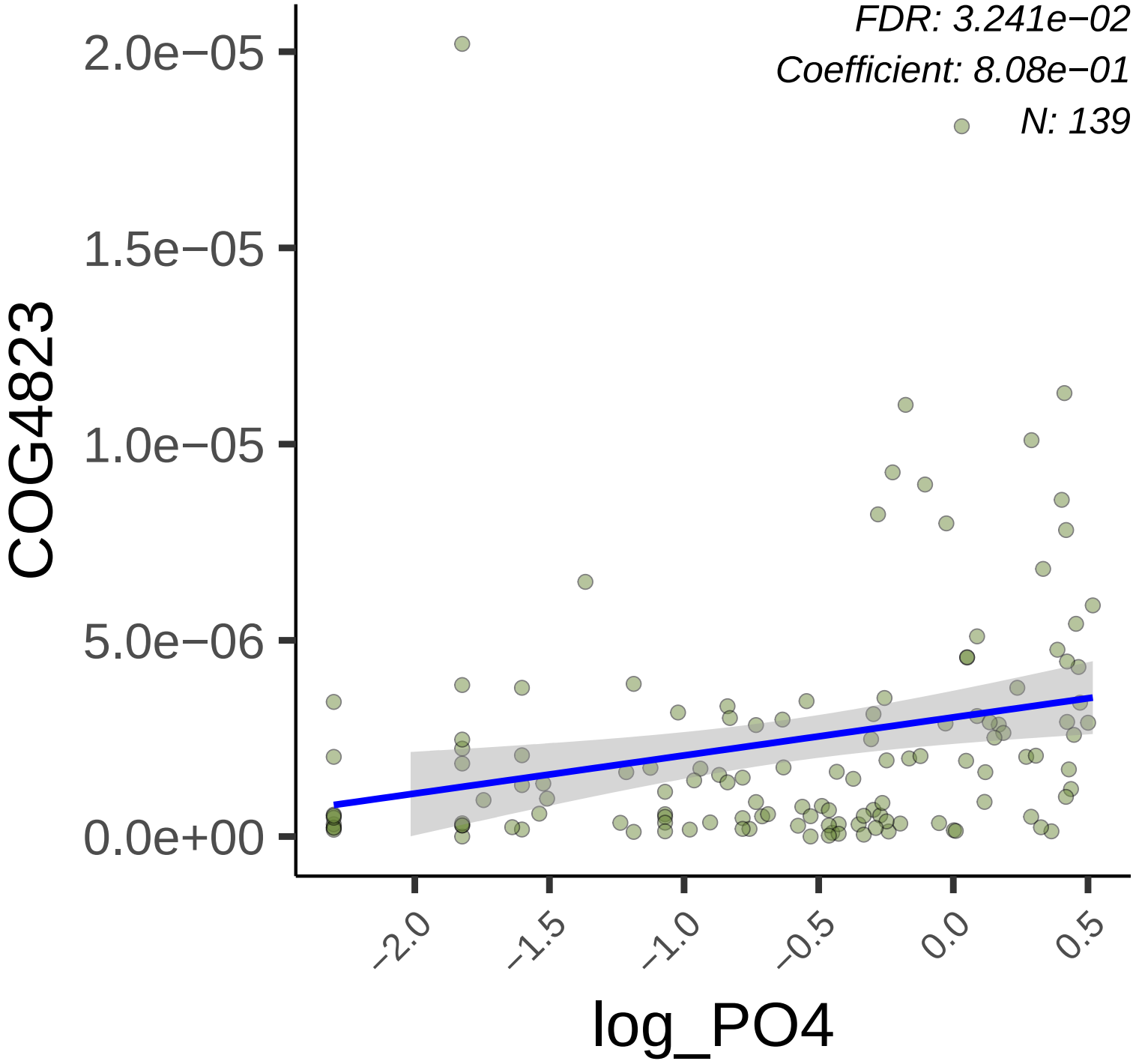
log_PO4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COG4823
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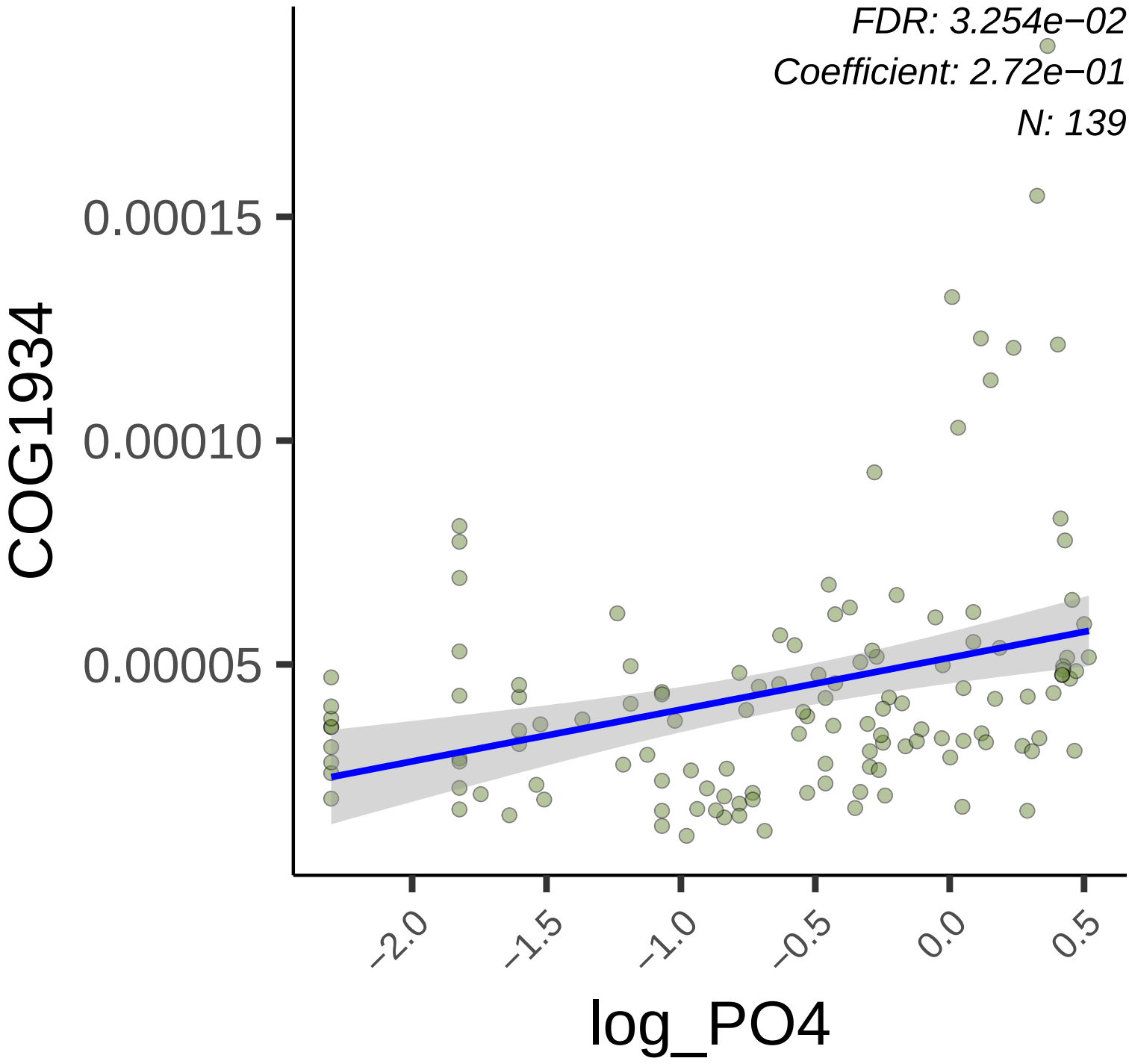
log_PO4


FDR: 3.254e−02
Coefficient: 2.72e−01
N: 139
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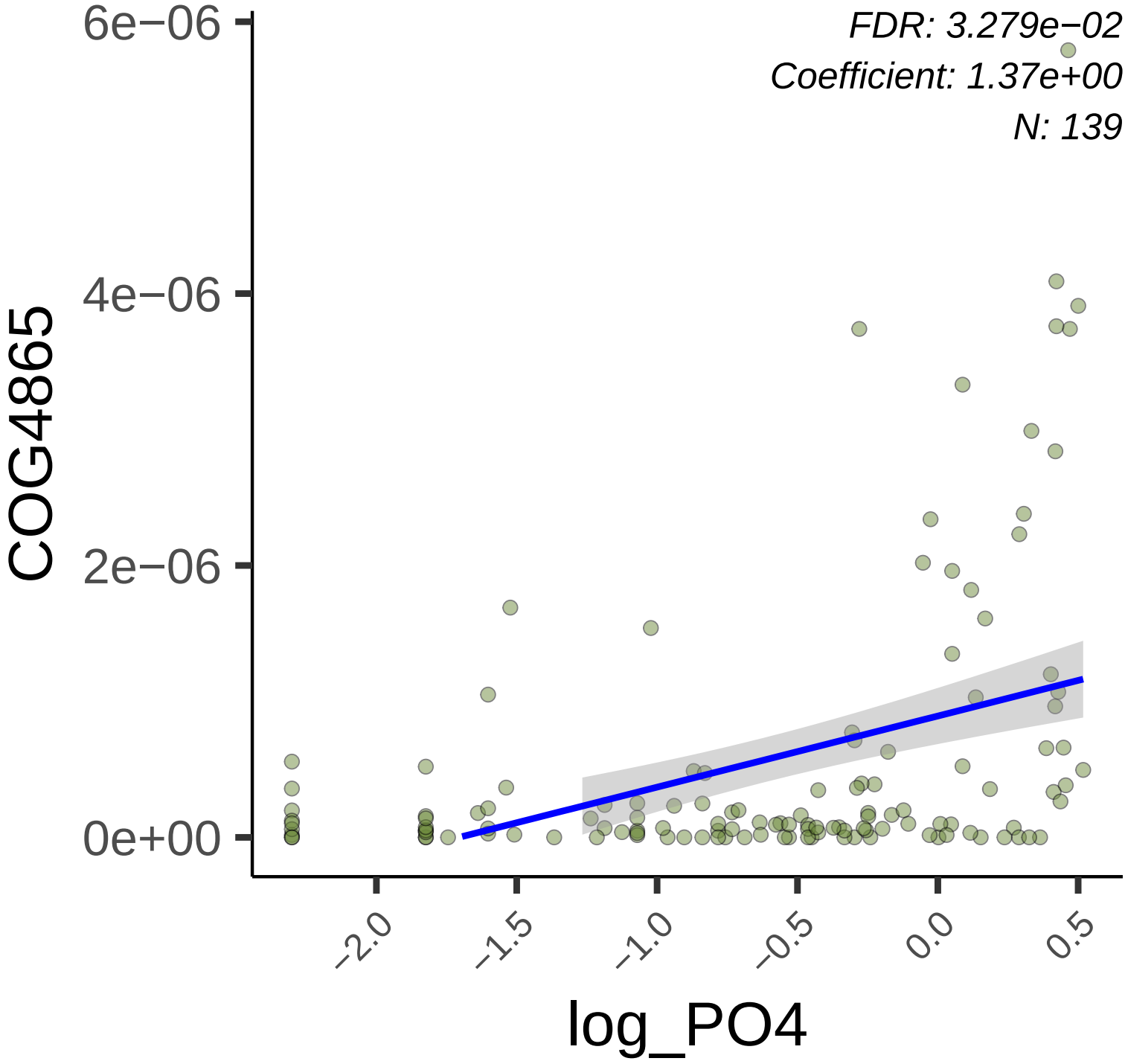
log_PO4


FDR: 3.279e−02
Coefficient: 1.37e+00
N: 139
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COG4865
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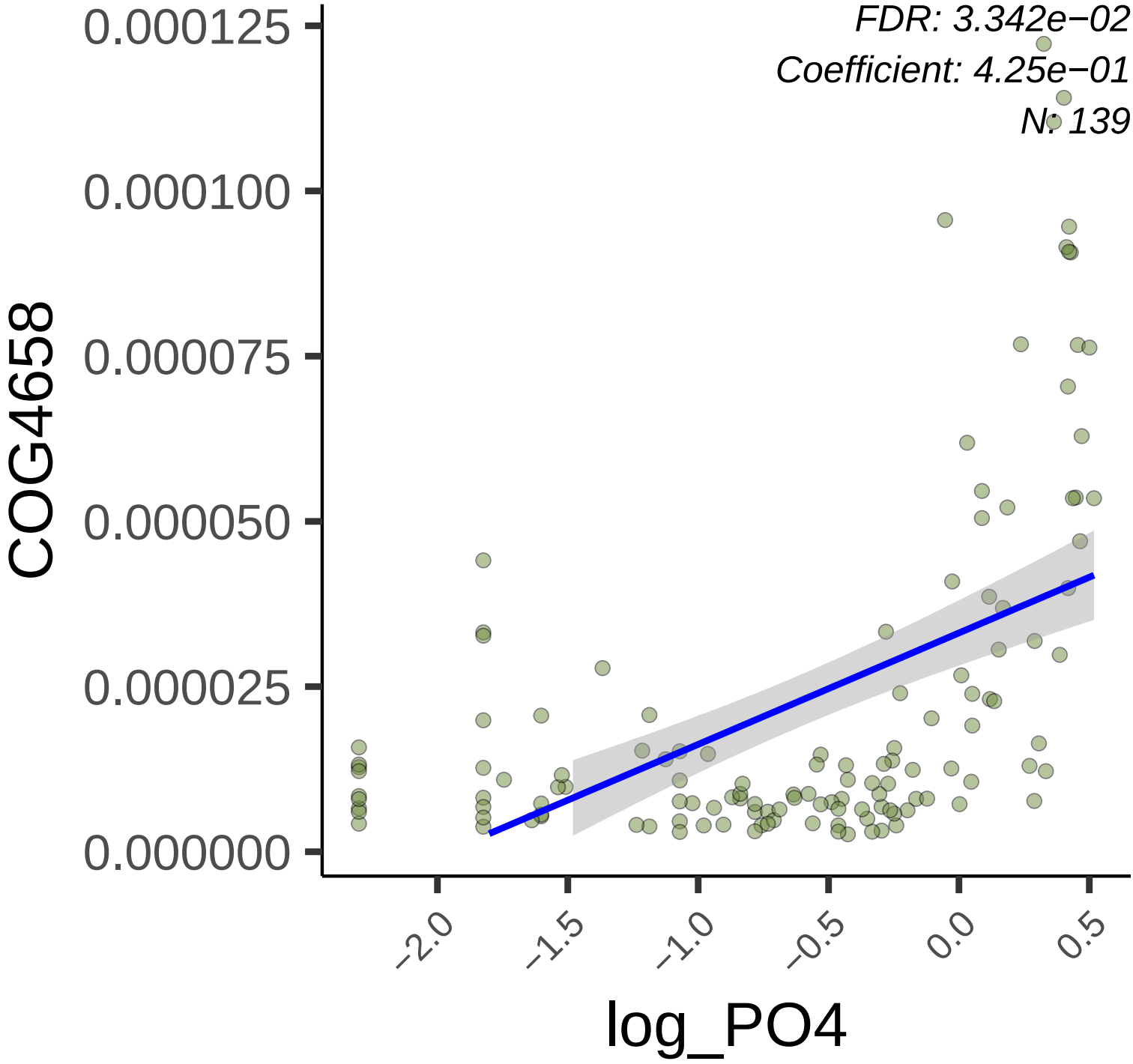
log_PO4


FDR: 3.342e−02
Coefficient: 4.25e−01
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COG4658
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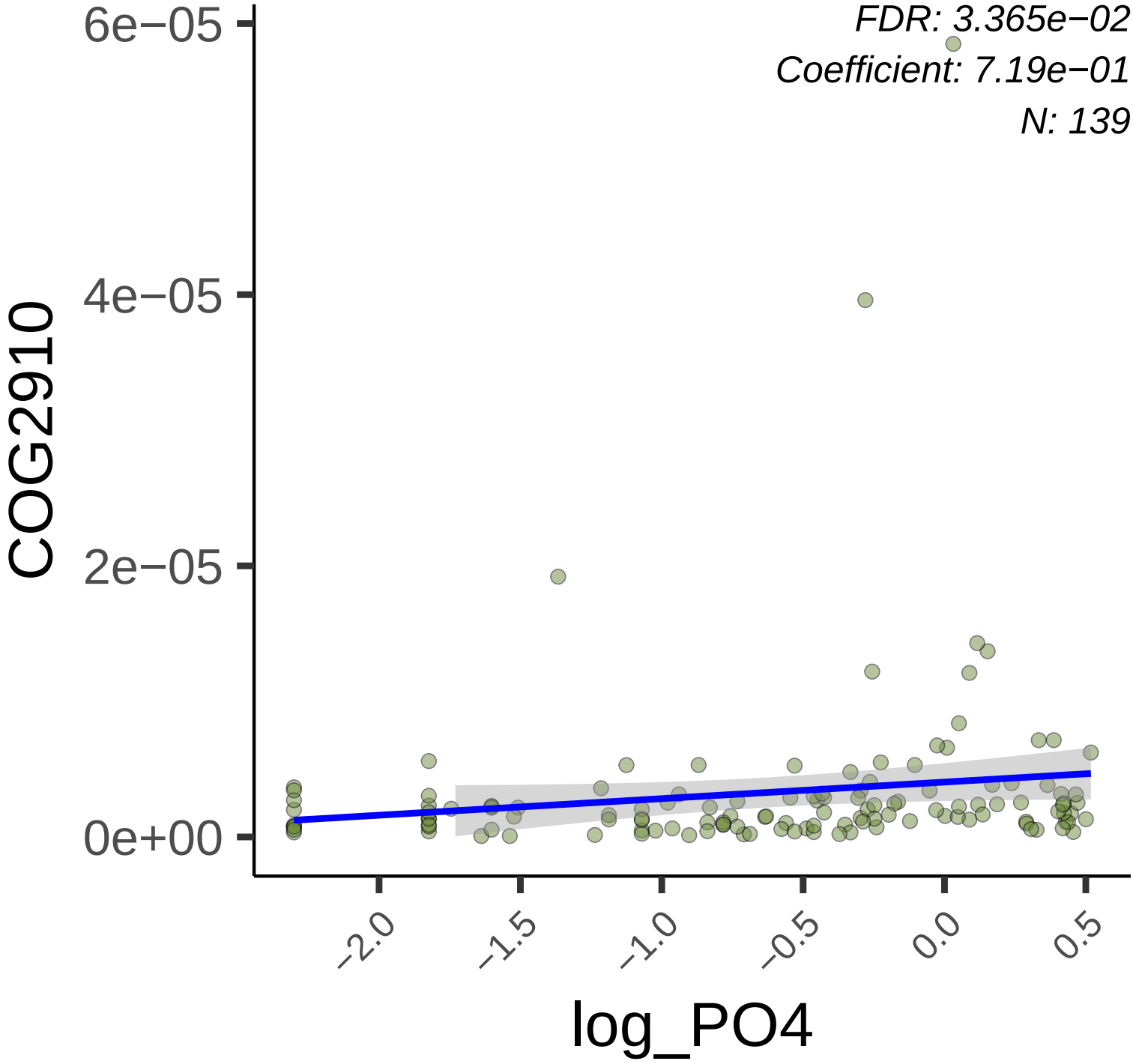
log_PO4


FDR: 3.365e−02
Coefficient: 7.19e−01
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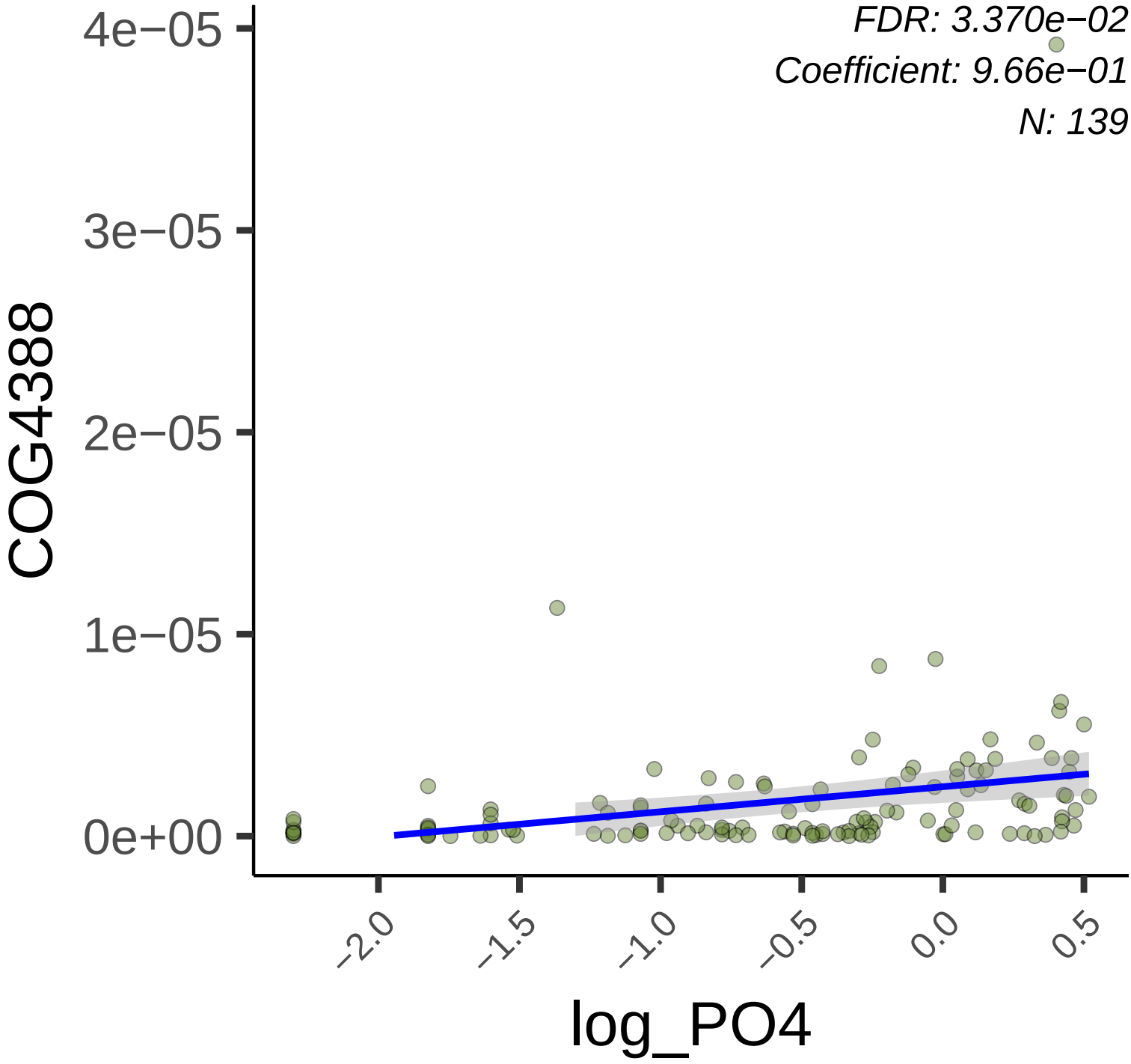
log_PO4


FDR: 3.370e−02
Coefficient: 9.66e−01
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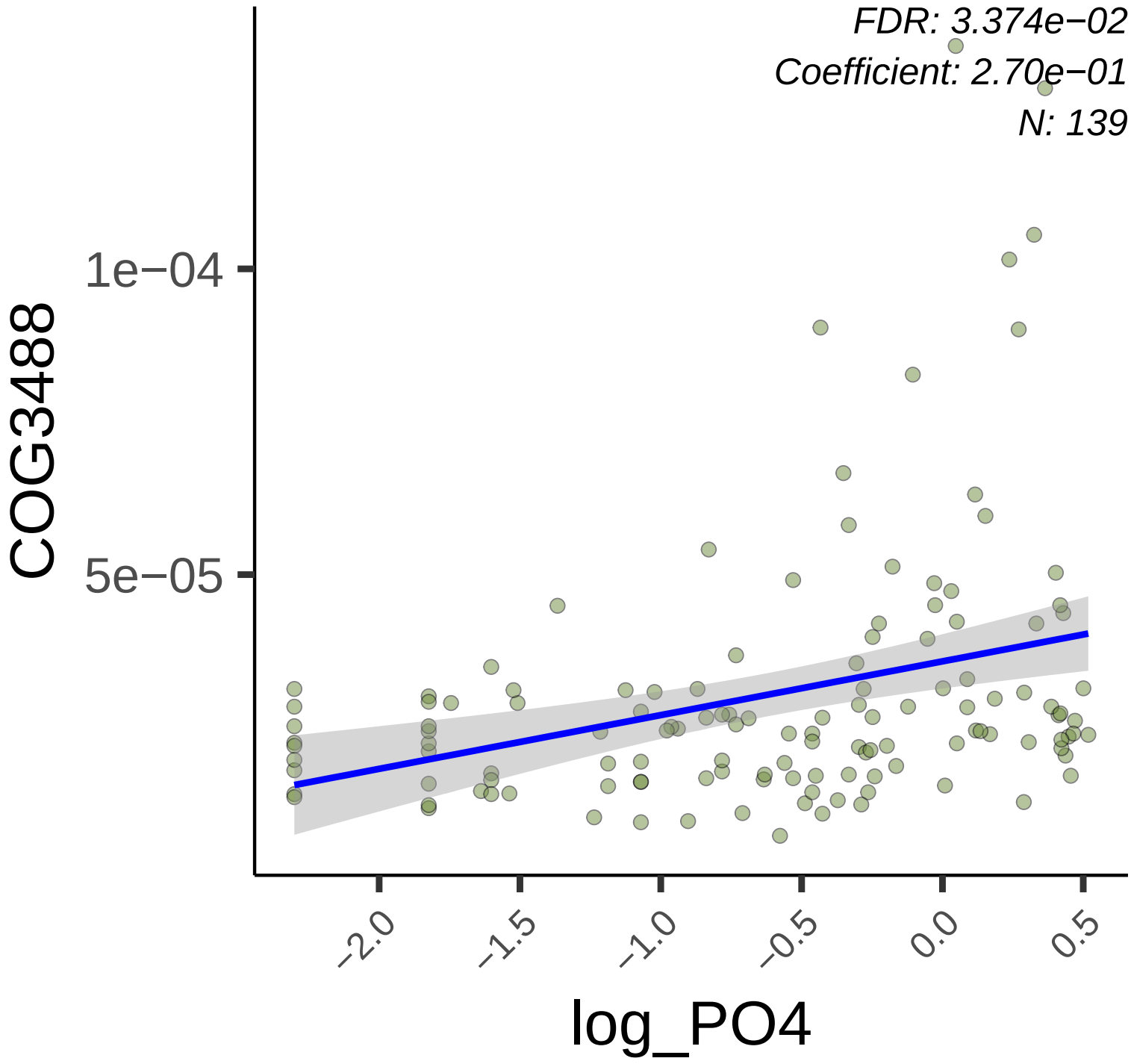
log_PO4


FDR: 3.374e−02
Coefficient: 2.70e−01
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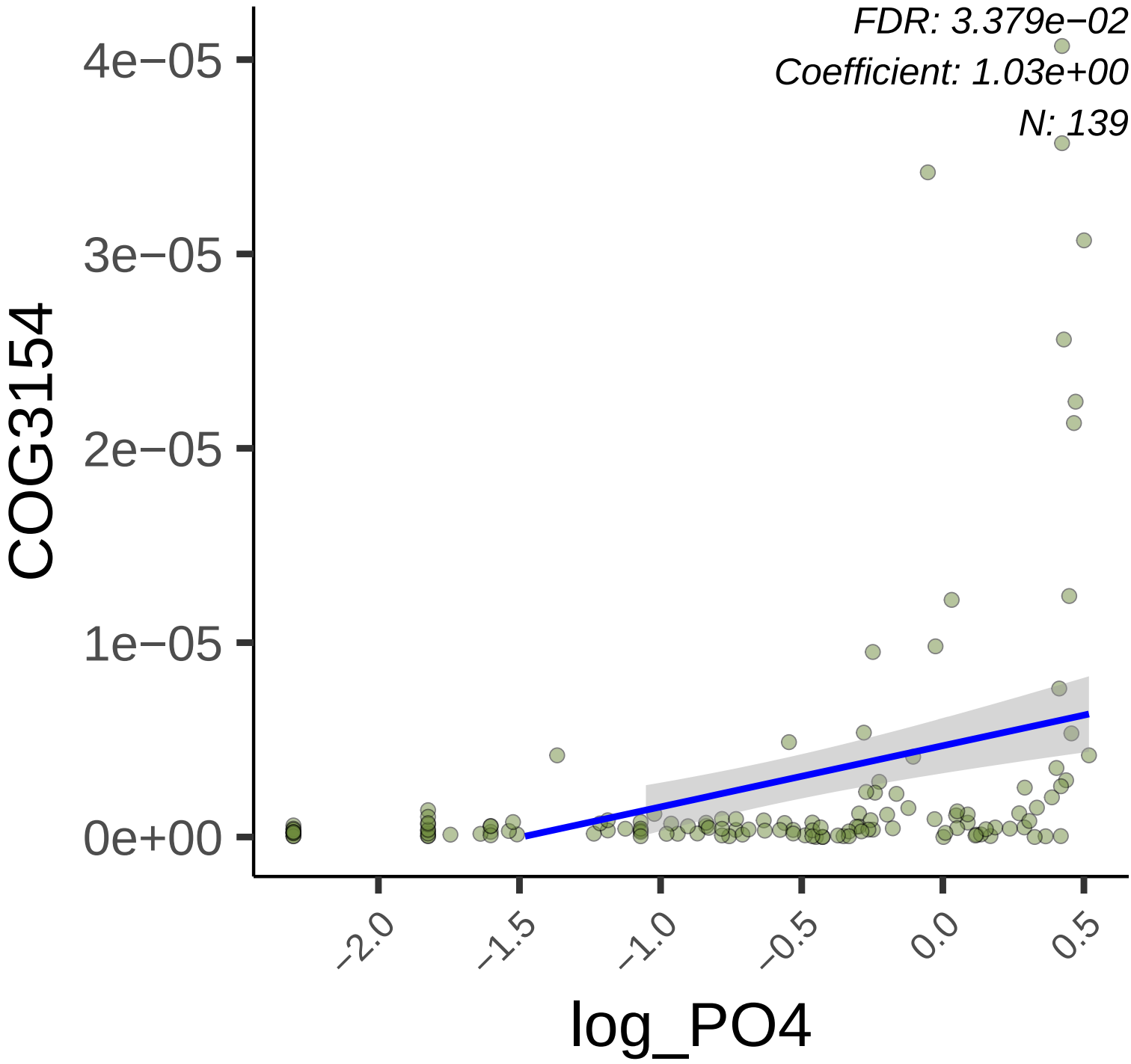
log_PO4


FDR: 3.379e−02
Coefficient: 1.03e+00
N: 139
COG3154
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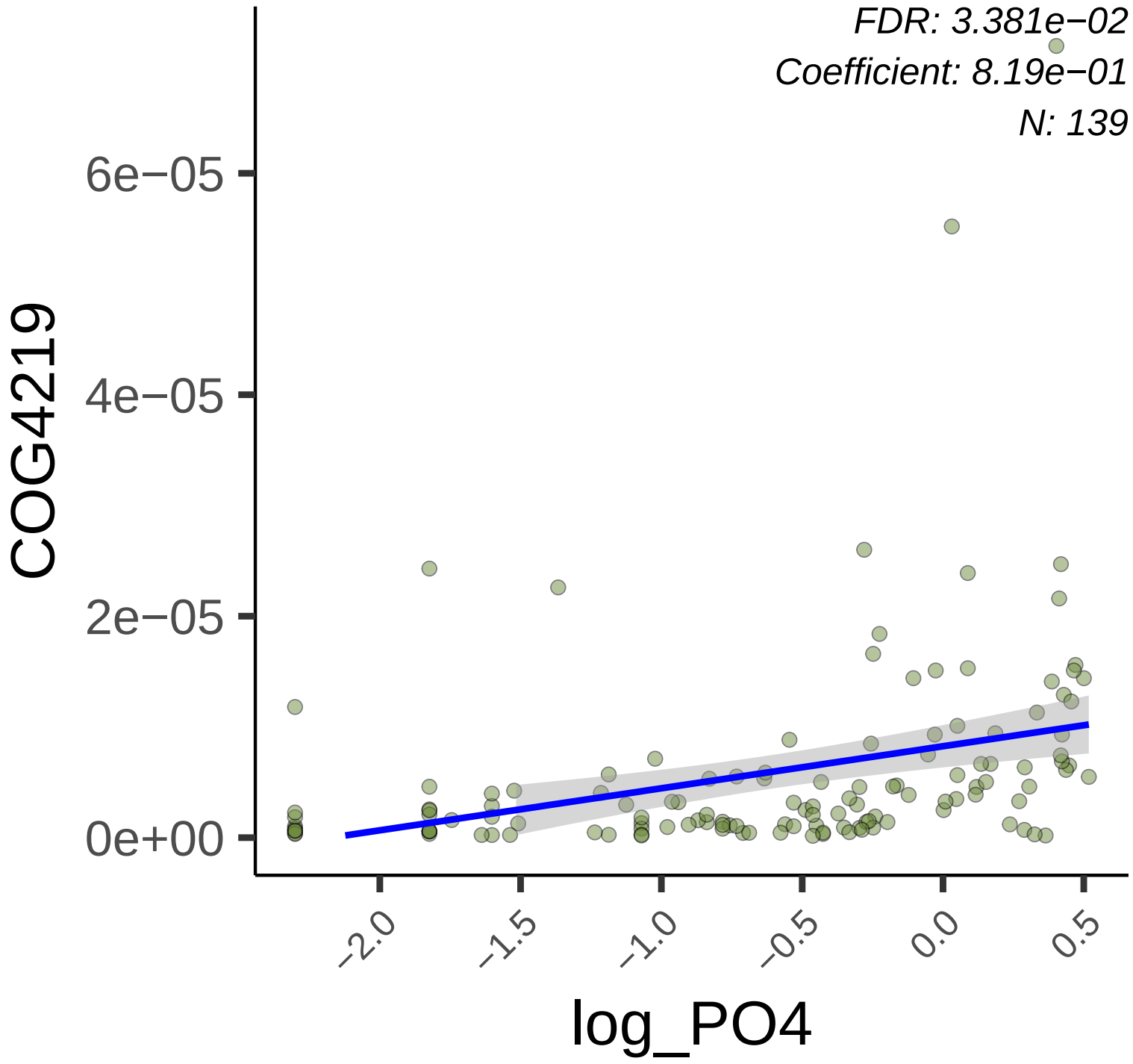
log_PO4


FDR: 3.381e−02
Coefficient: 8.19e−01
N: 139
COG4219
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−1.5
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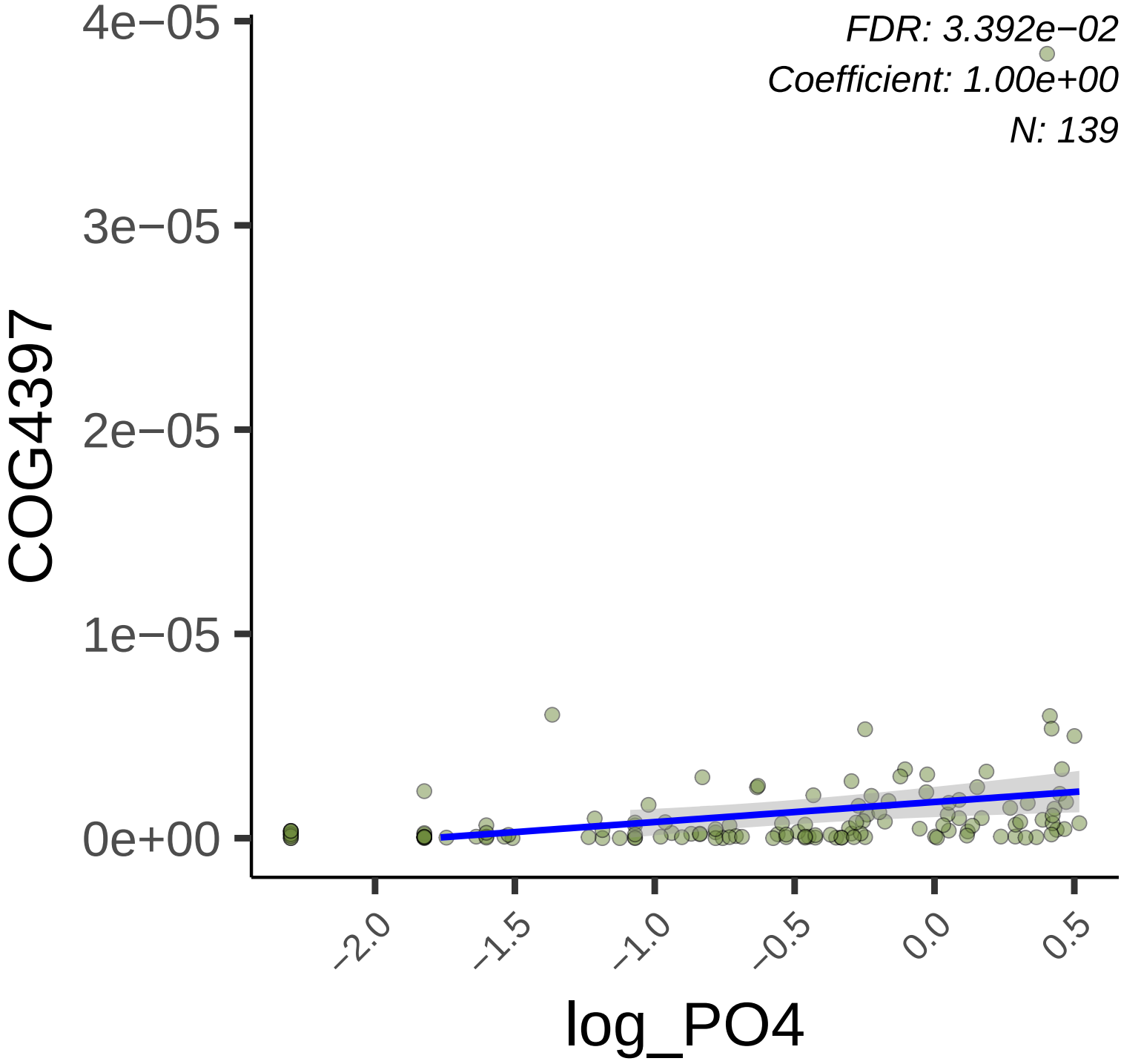
log_PO4


FDR: 3.392e−02
Coefficient: 1.00e+00
N: 139
COG4397
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−1.5
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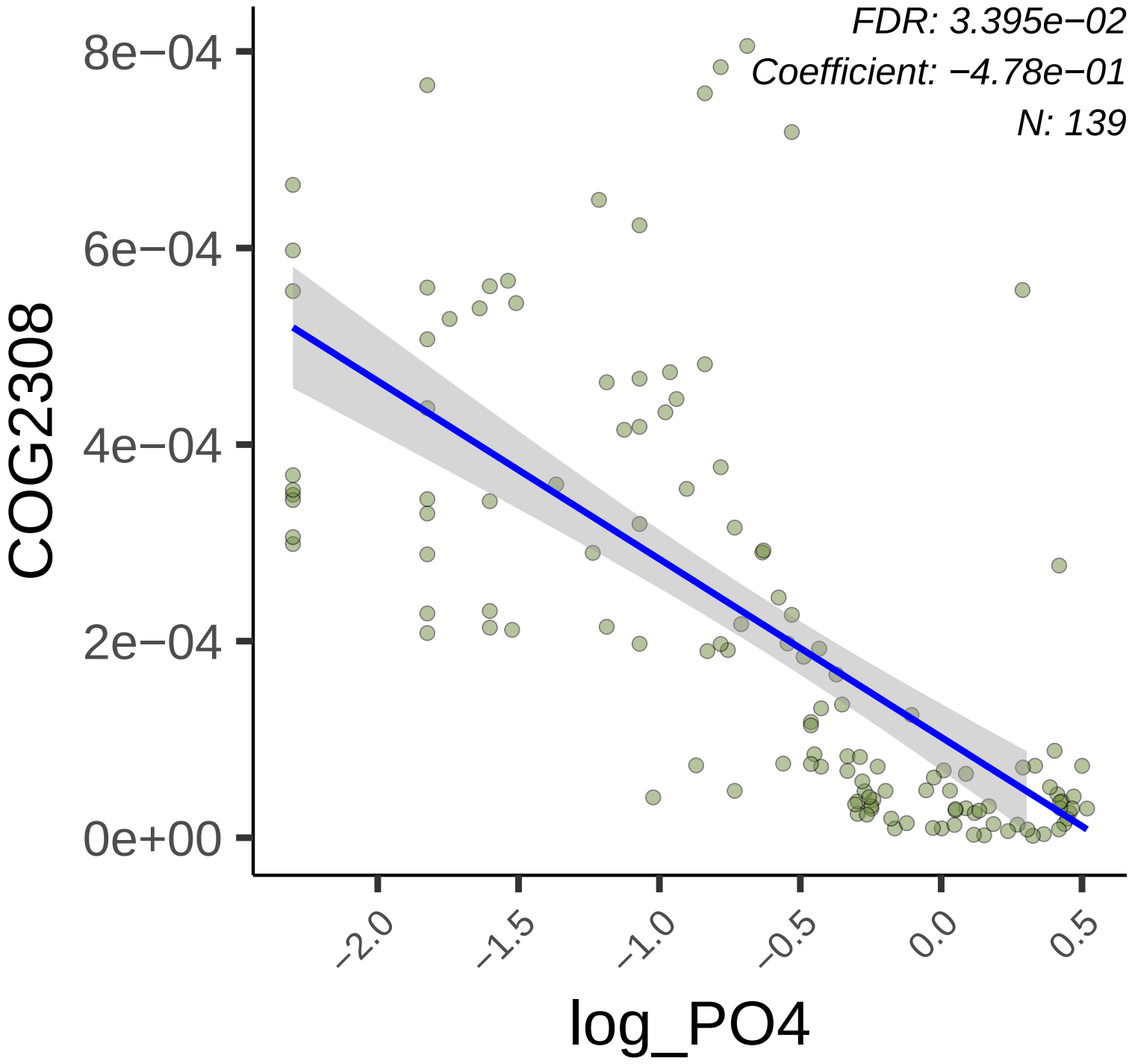
log_PO4


FDR: 3.395e−02
Coefficient: −4.78e−01
N: 139
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6e−04
4e−04
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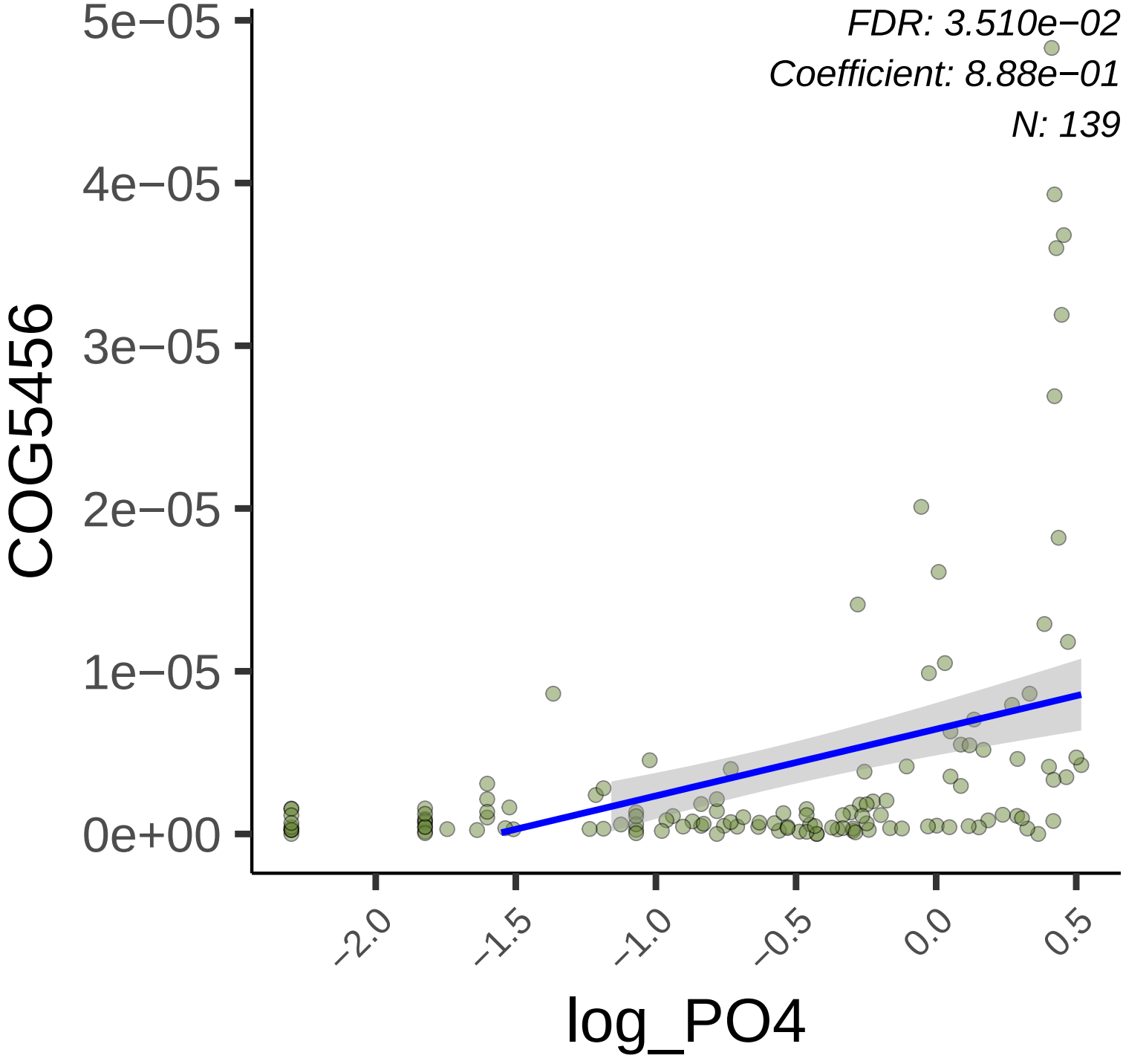
log_PO4


FDR: 3.510e−02
Coefficient: 8.88e−01
N: 139
COG5456
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3e−05
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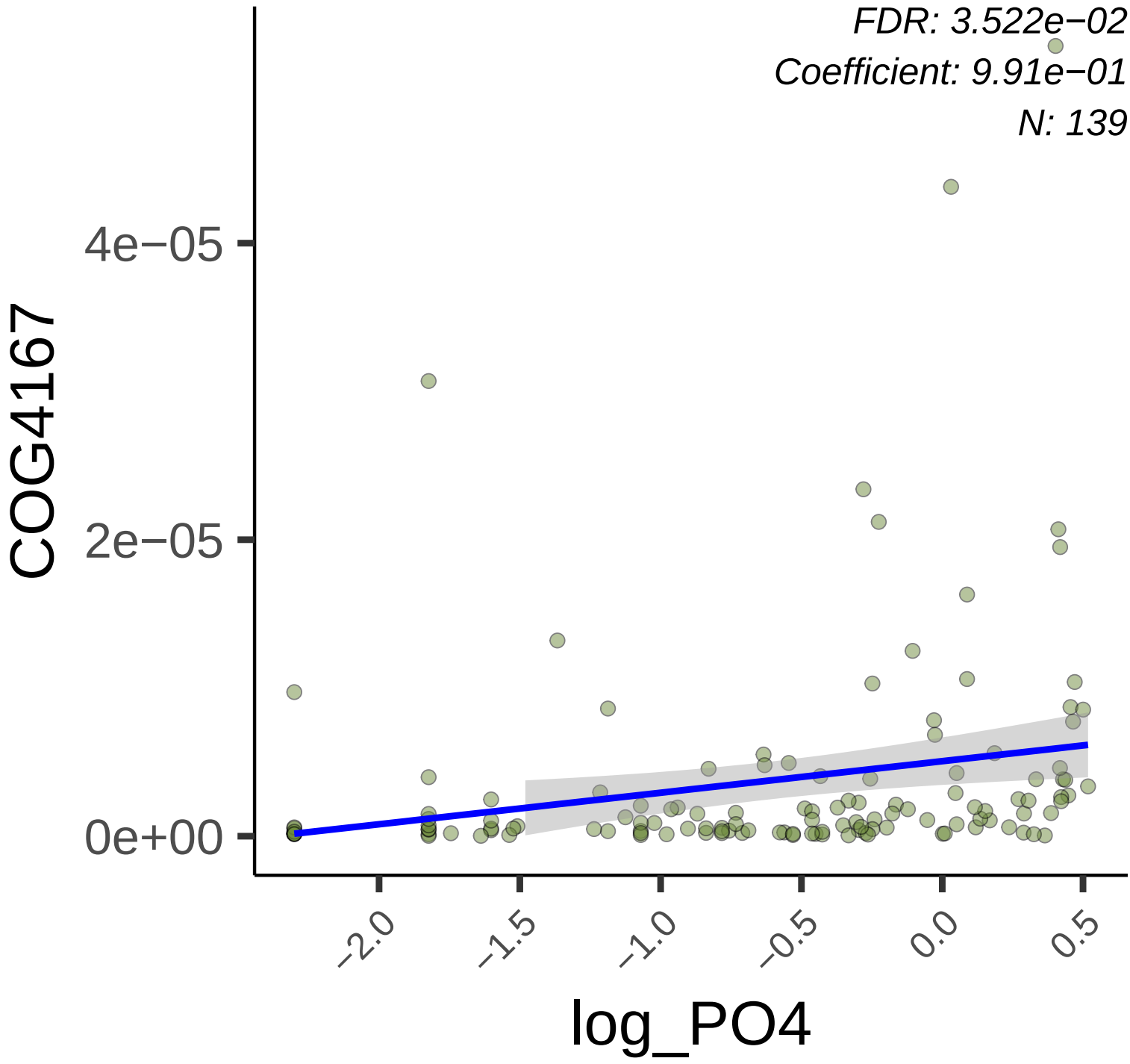
log_PO4


FDR: 3.522e−02
Coefficient: 9.91e−01
N: 139
COG4167
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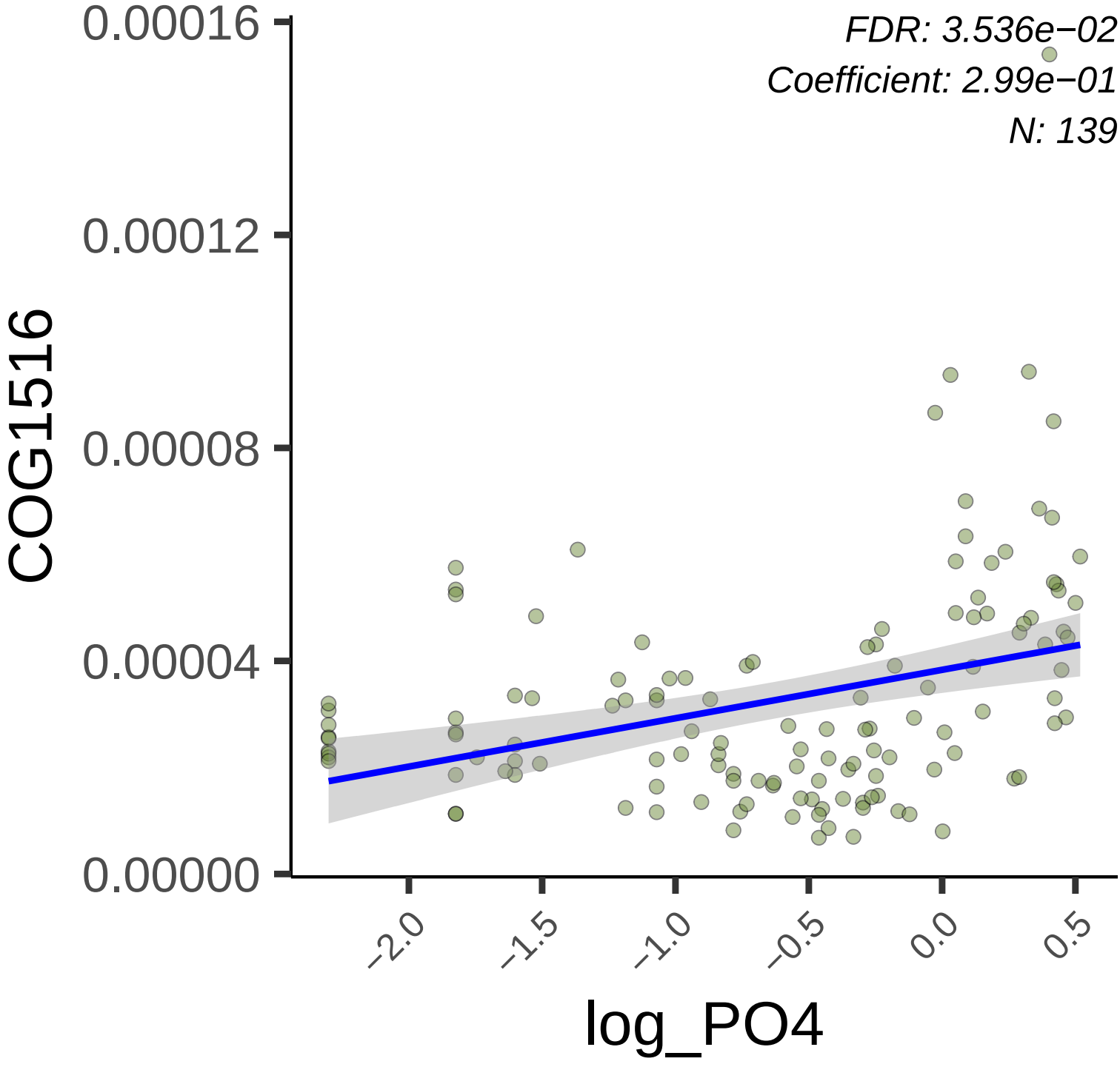
log_PO4


FDR: 3.536e−02
Coefficient: 2.99e−01
N: 139
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0.00004
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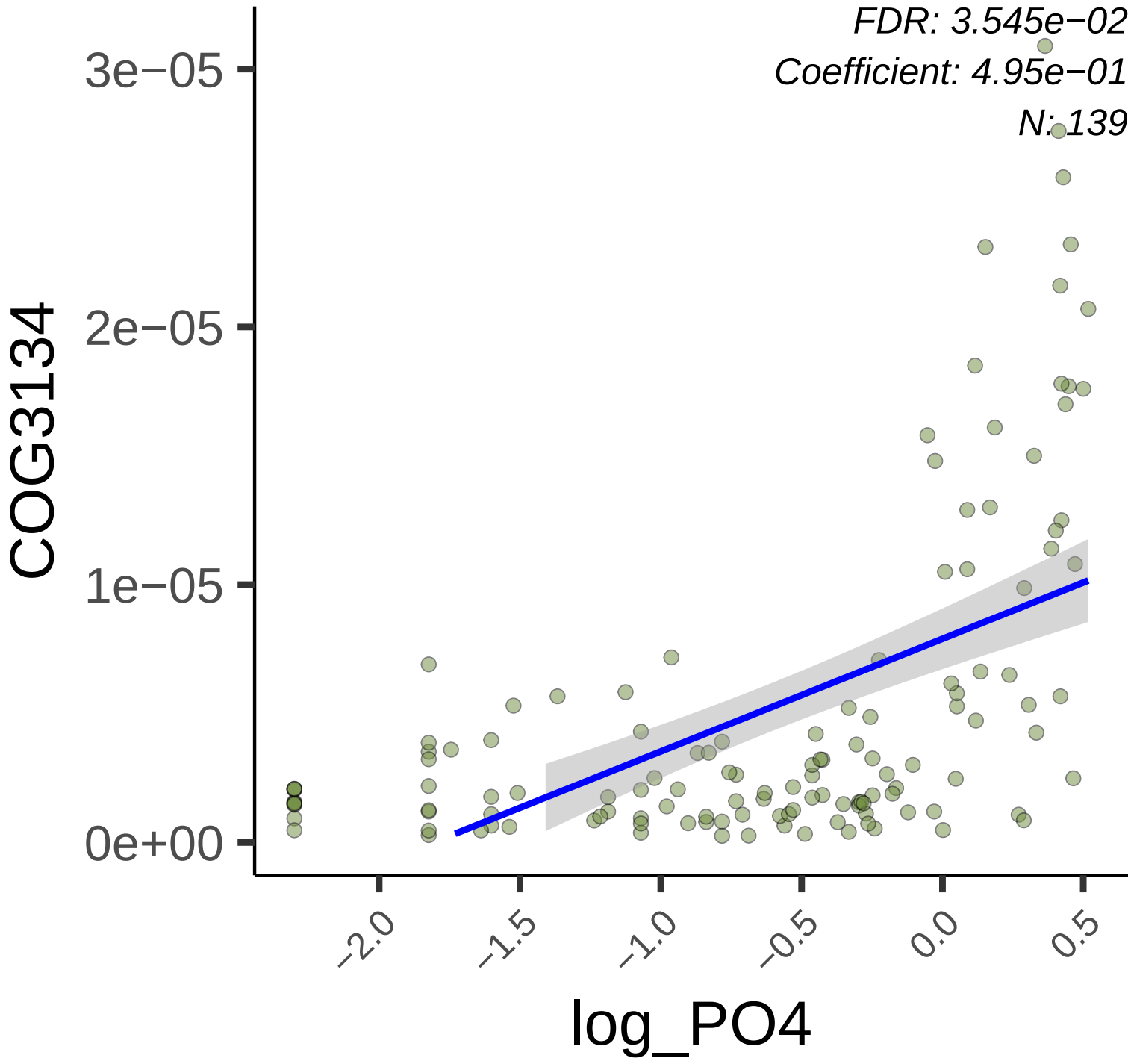
log_PO4


FDR: 3.545e−02
Coefficient: 4.95e−01
N: 139
COG3134
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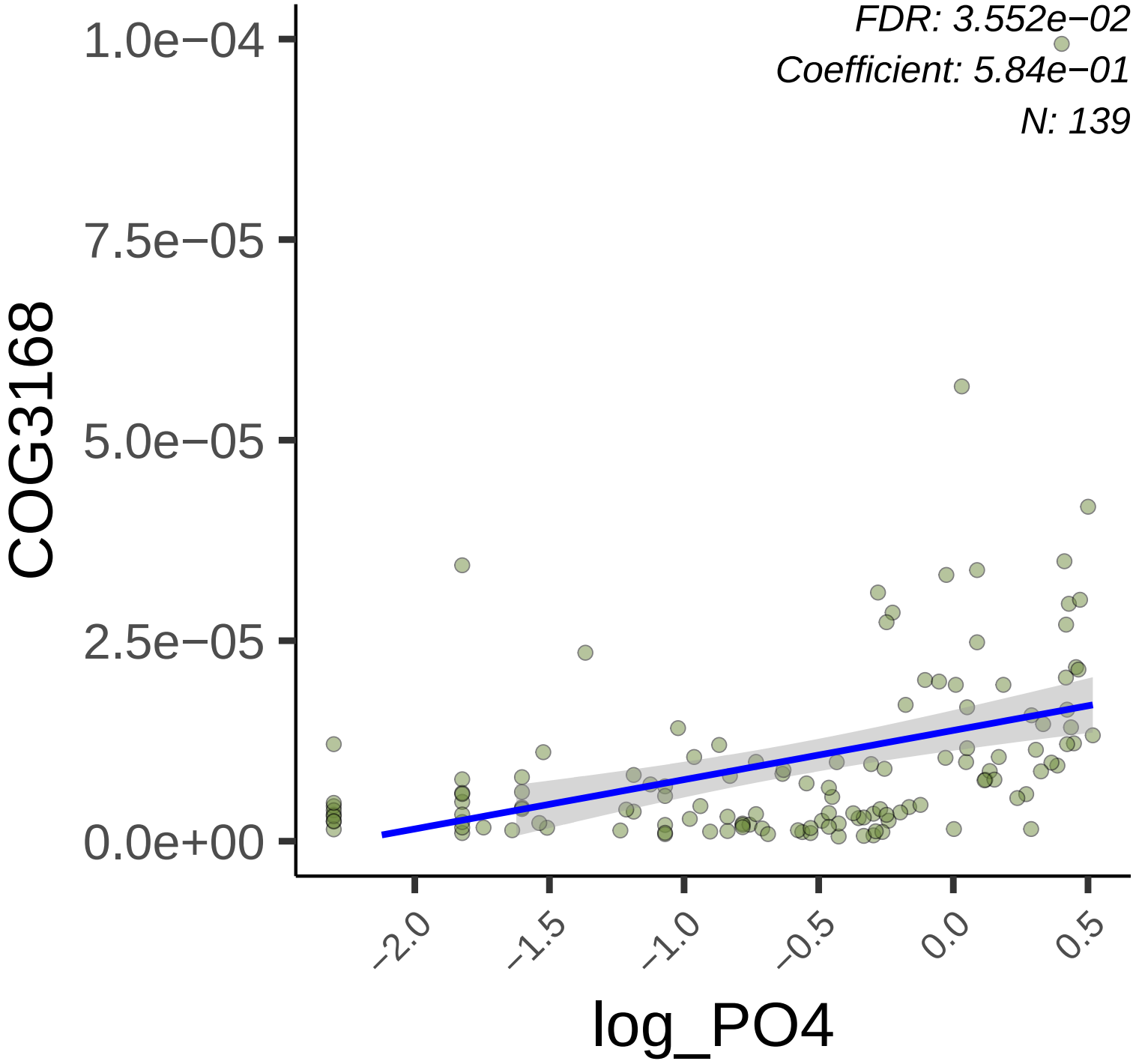
log_PO4


FDR: 3.552e−02
Coefficient: 5.84e−01
N: 139
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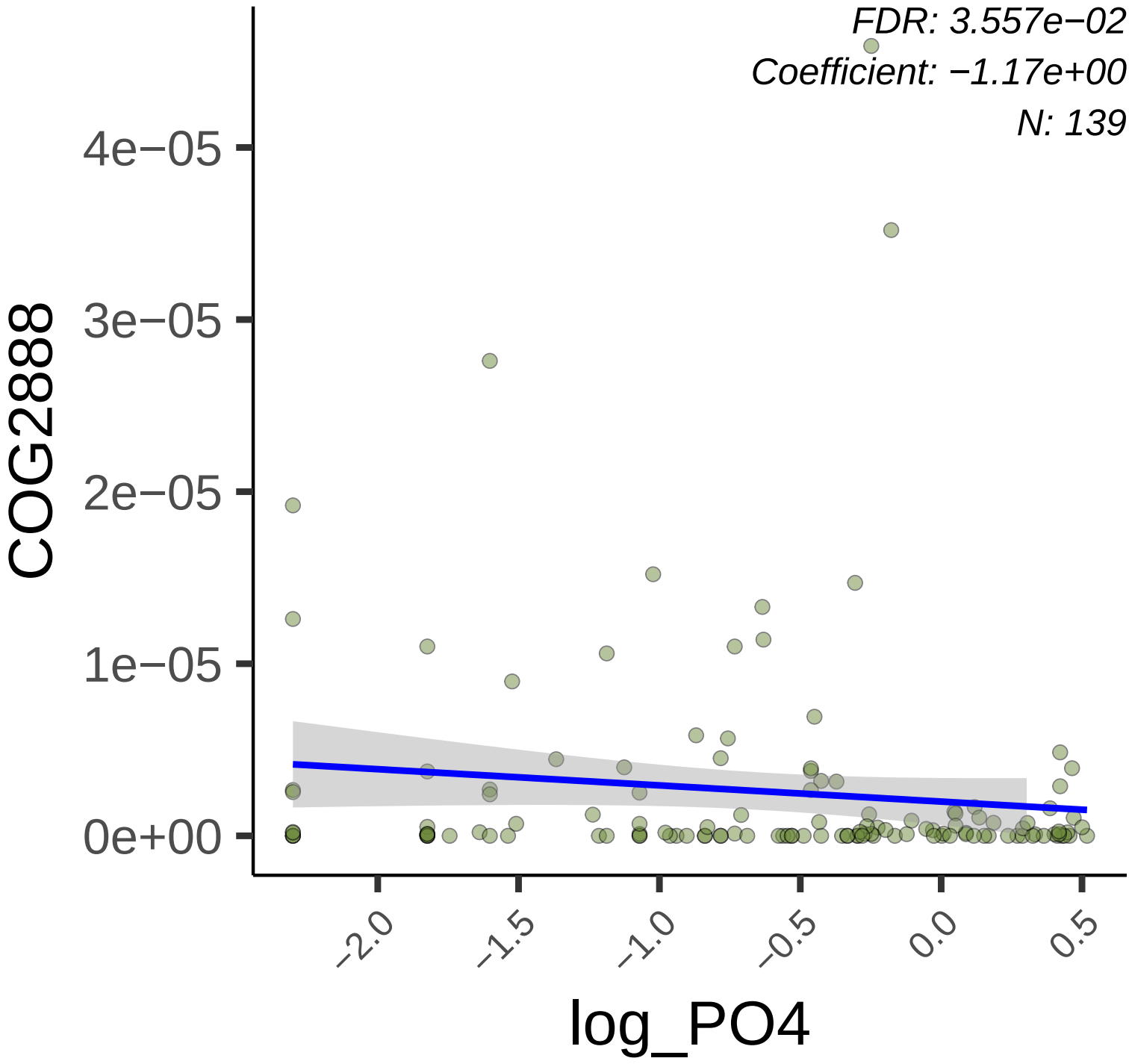
log_PO4


FDR: 3.557e−02
Coefficient: −1.17e+00
N: 139
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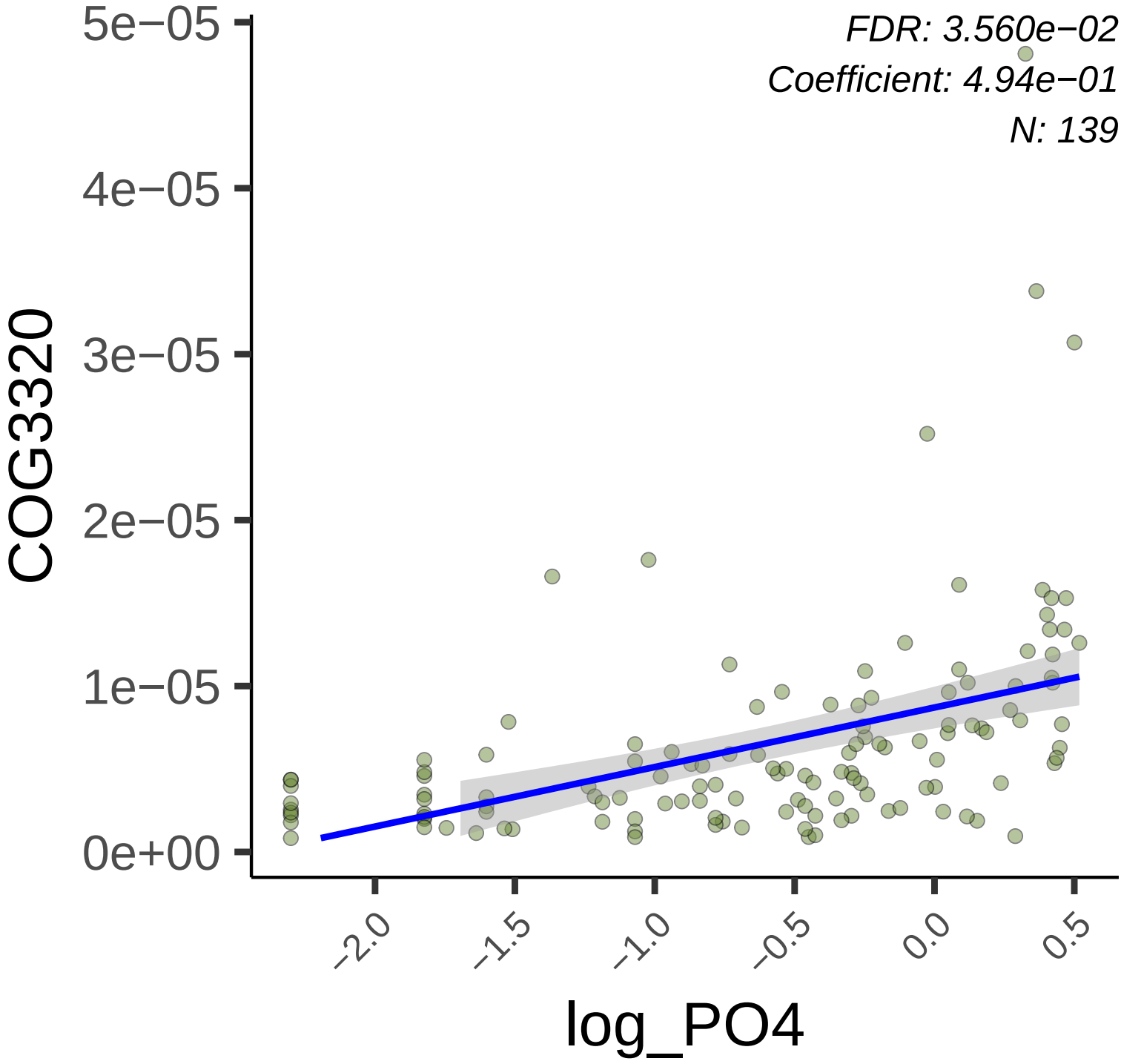
log_PO4


FDR: 3.560e−02
Coefficient: 4.94e−01
N: 139
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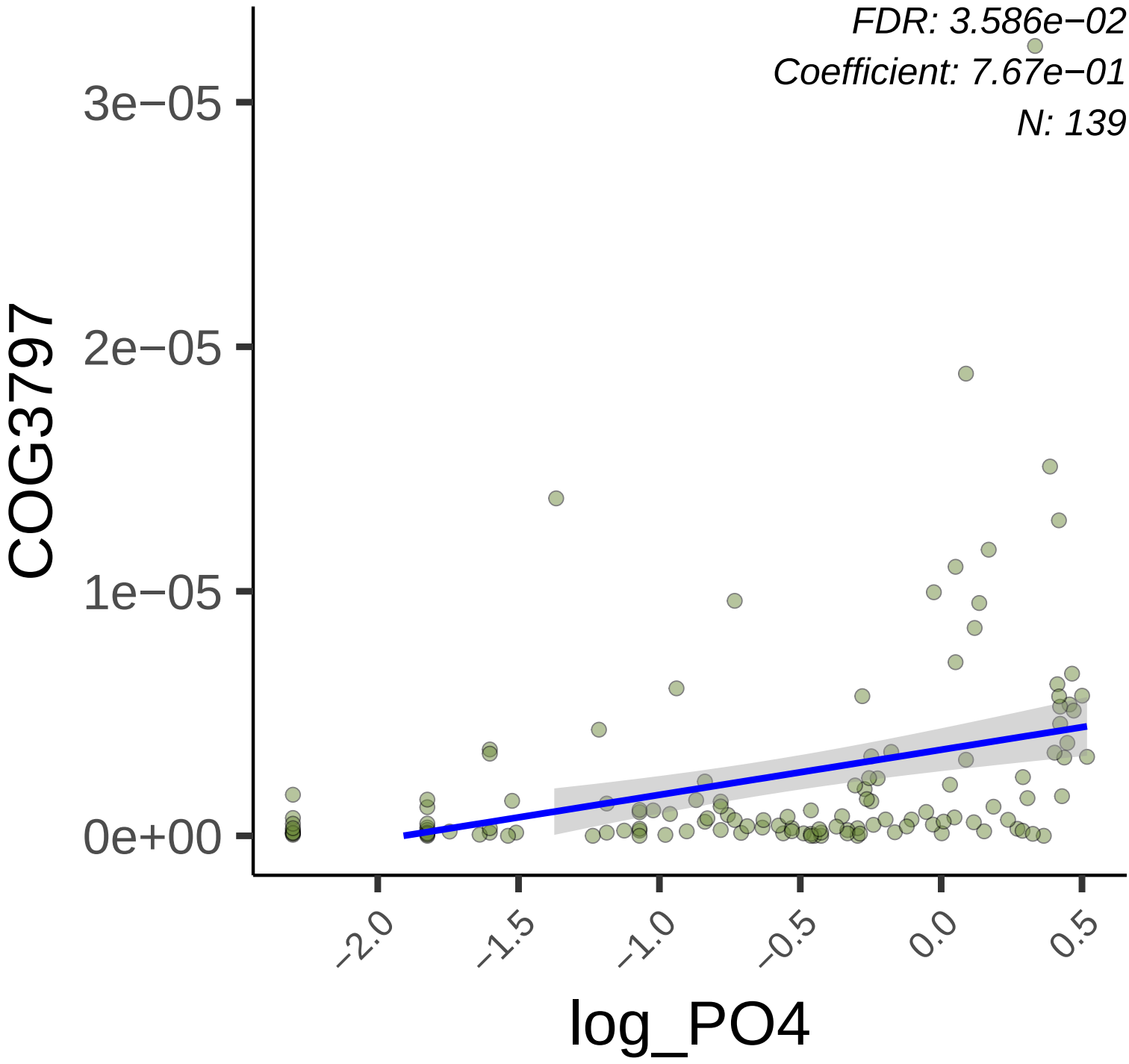
log_PO4


FDR: 3.586e−02
Coefficient: 7.67e−01
N: 139
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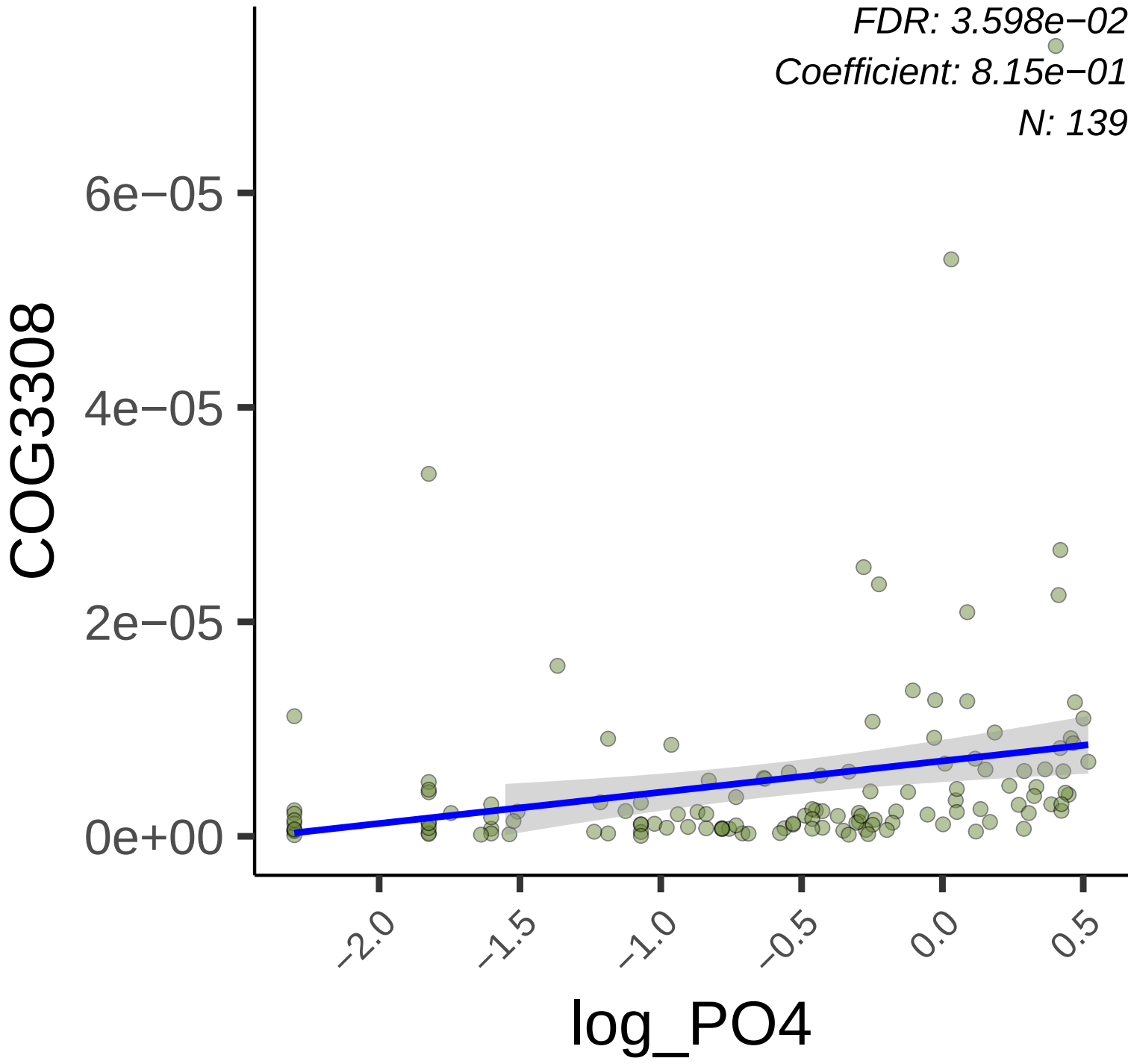
log_PO4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Coefficient: 8.15e−01
N: 139
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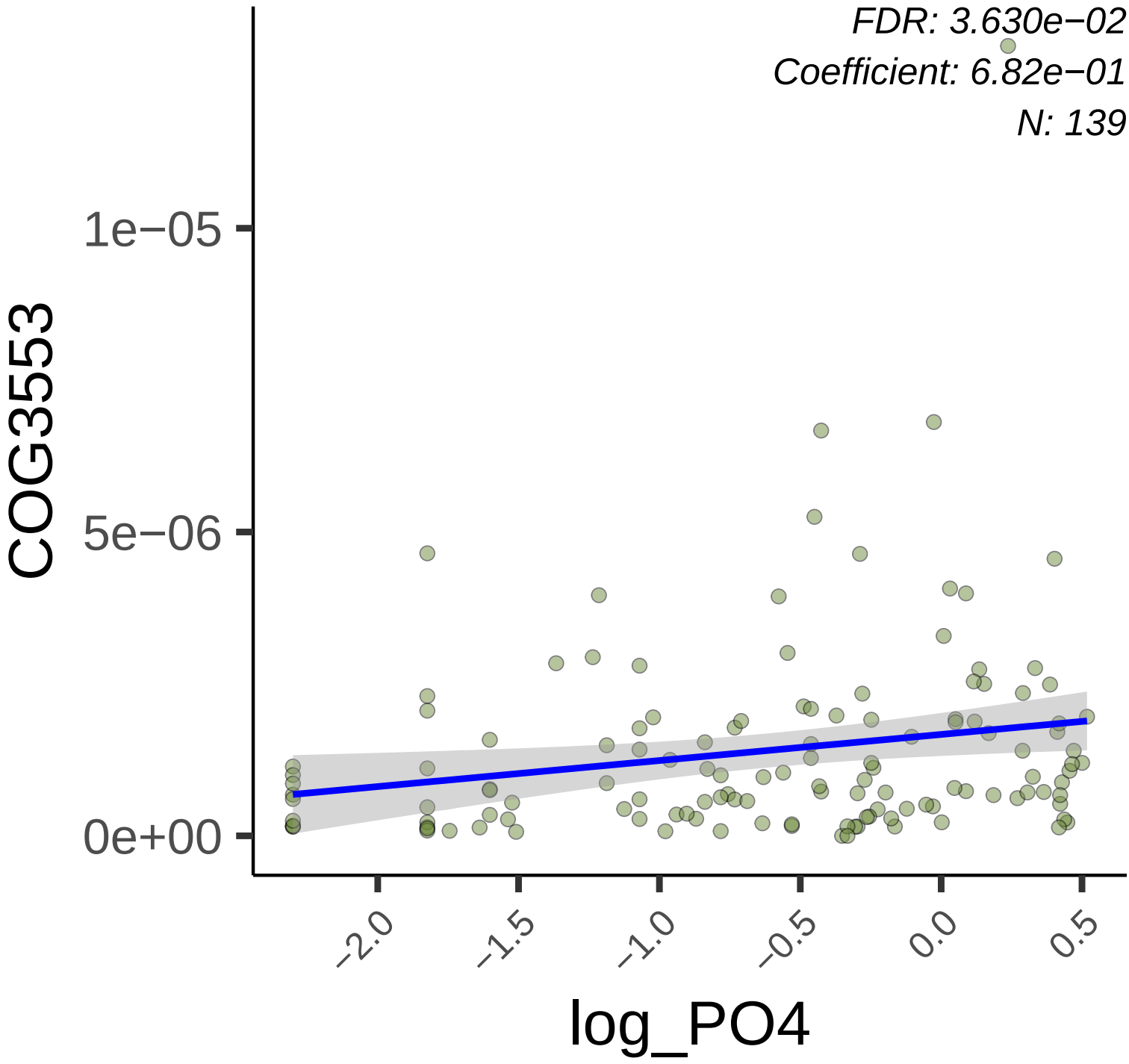
log_PO4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Coefficient: 6.82e−01
N: 139
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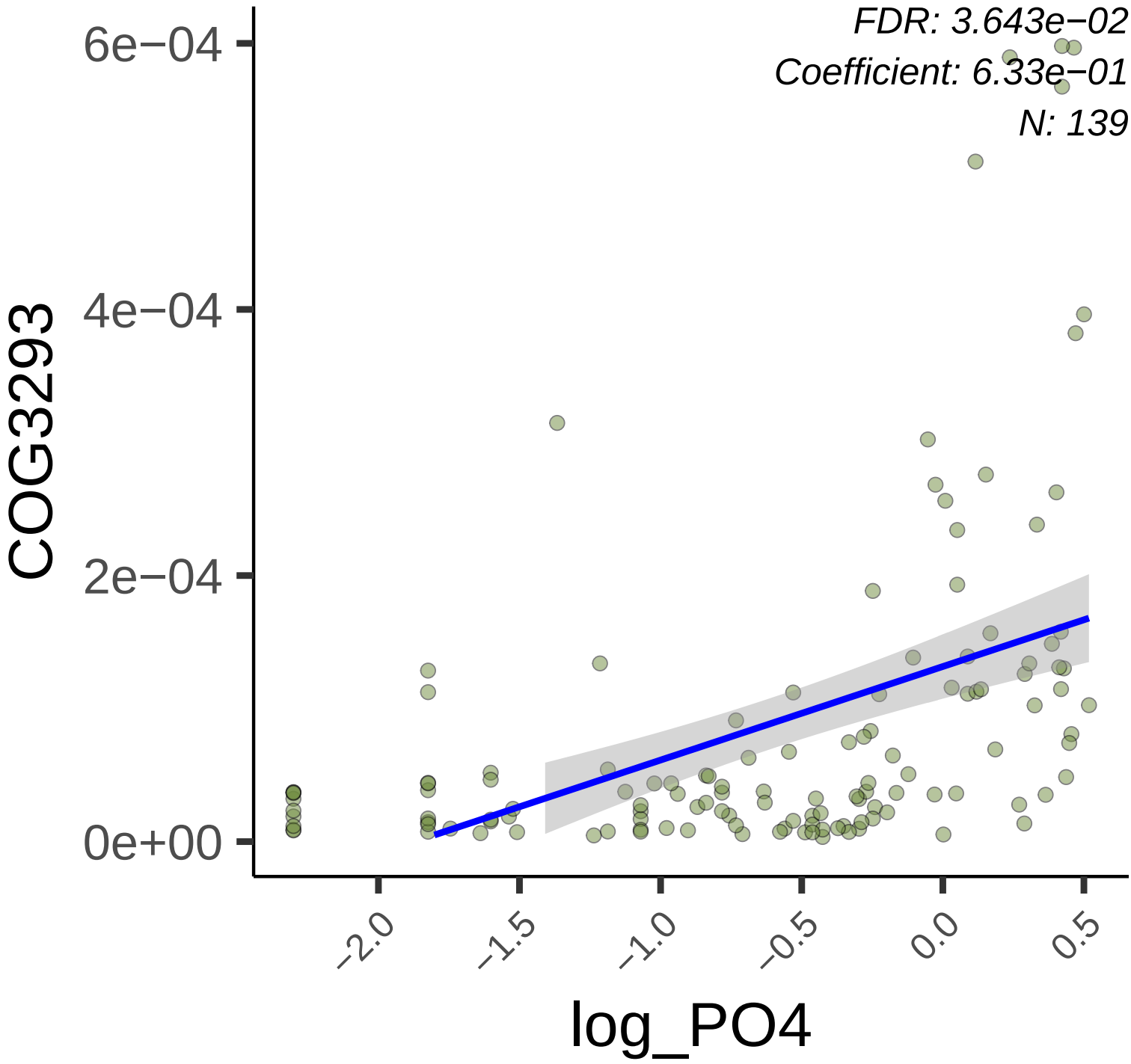
log_PO4


FDR: 3.643e−02
Coefficient: 6.33e−01
N: 139
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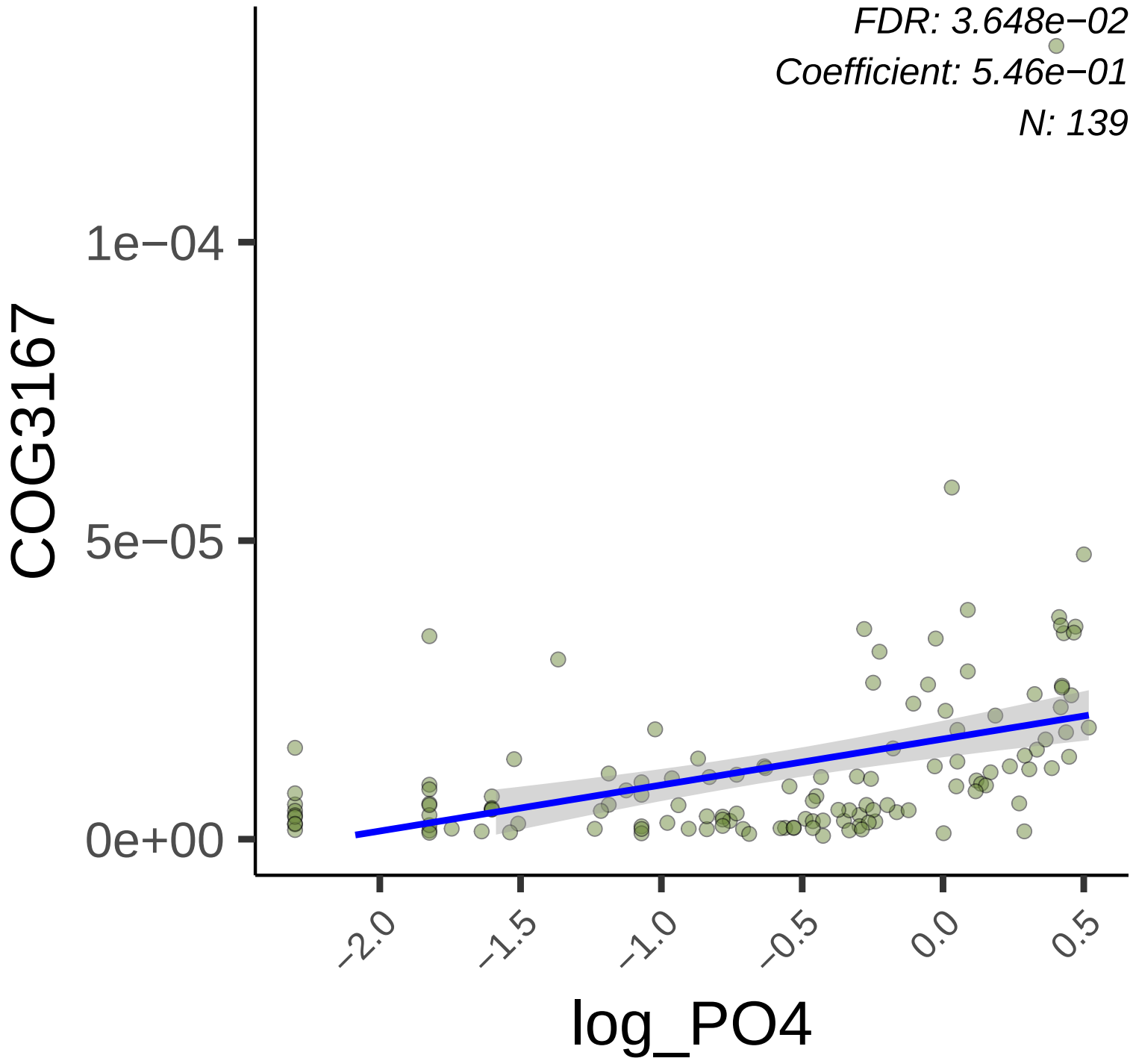
log_PO4


FDR: 3.648e−02
Coefficient: 5.46e−01
N: 139
COG3167
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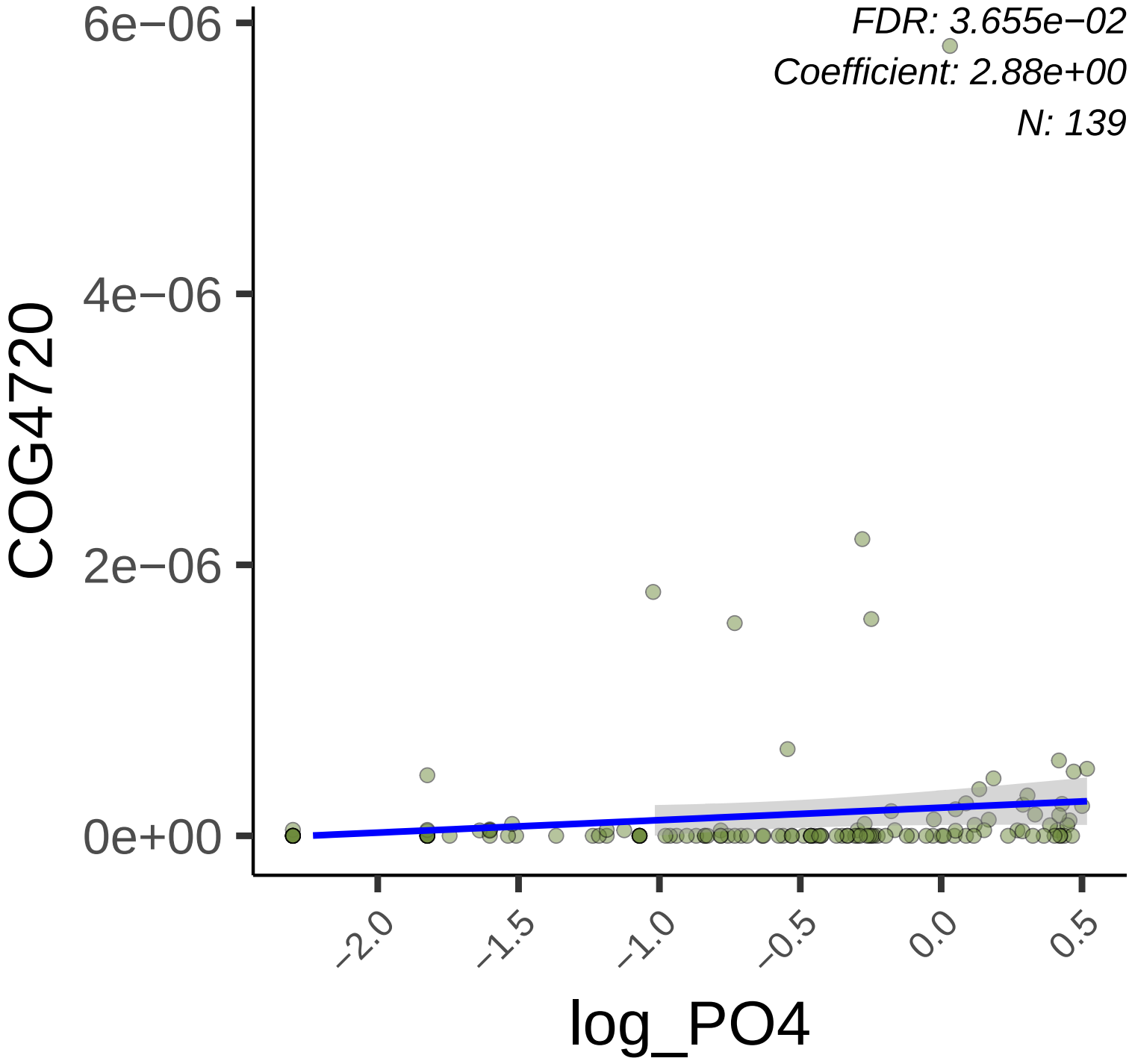
log_PO4


FDR: 3.655e−02
Coefficient: 2.88e+00
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COG4720
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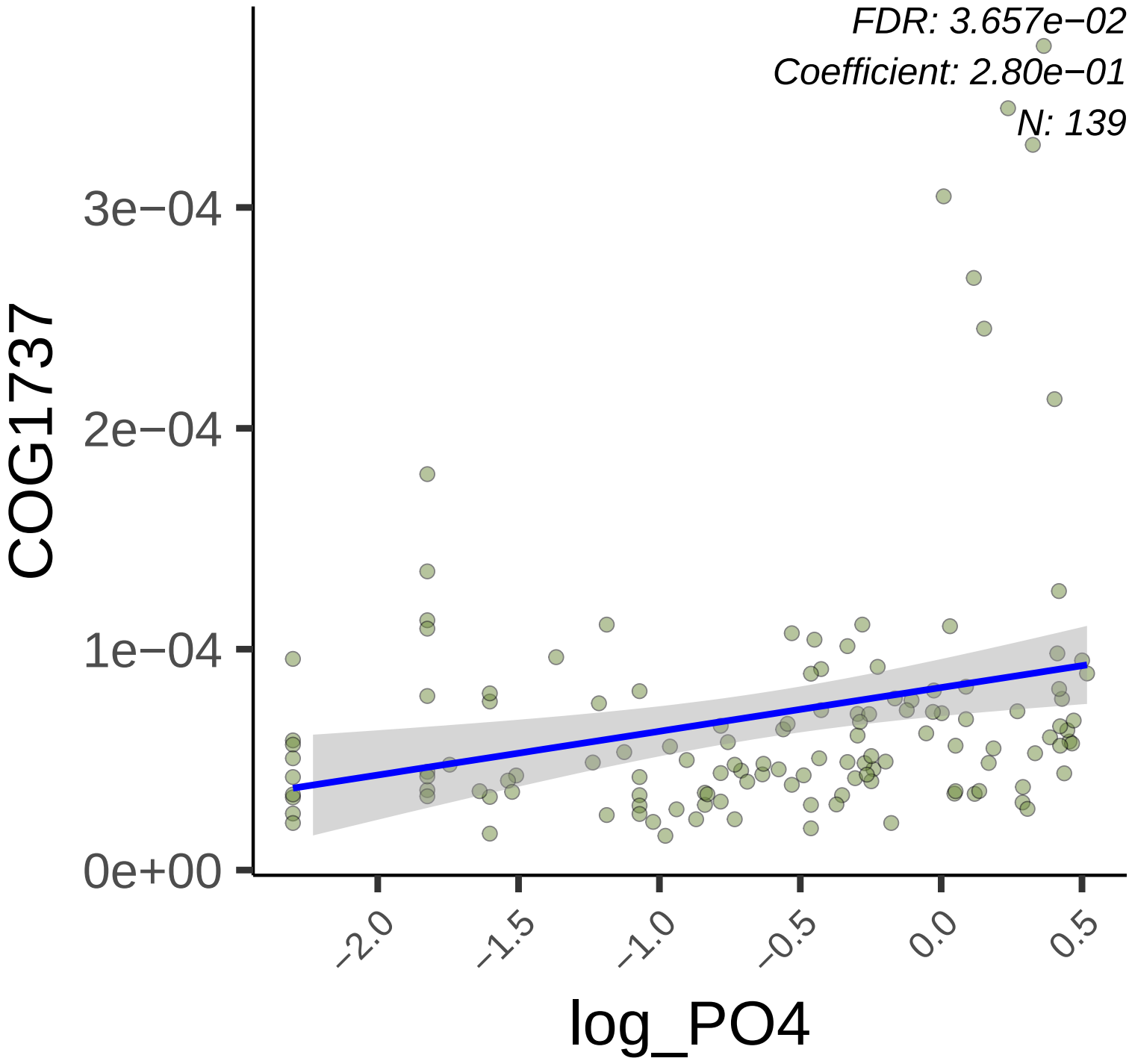
log_PO4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Coefficient: 2.80e−01
N: 139
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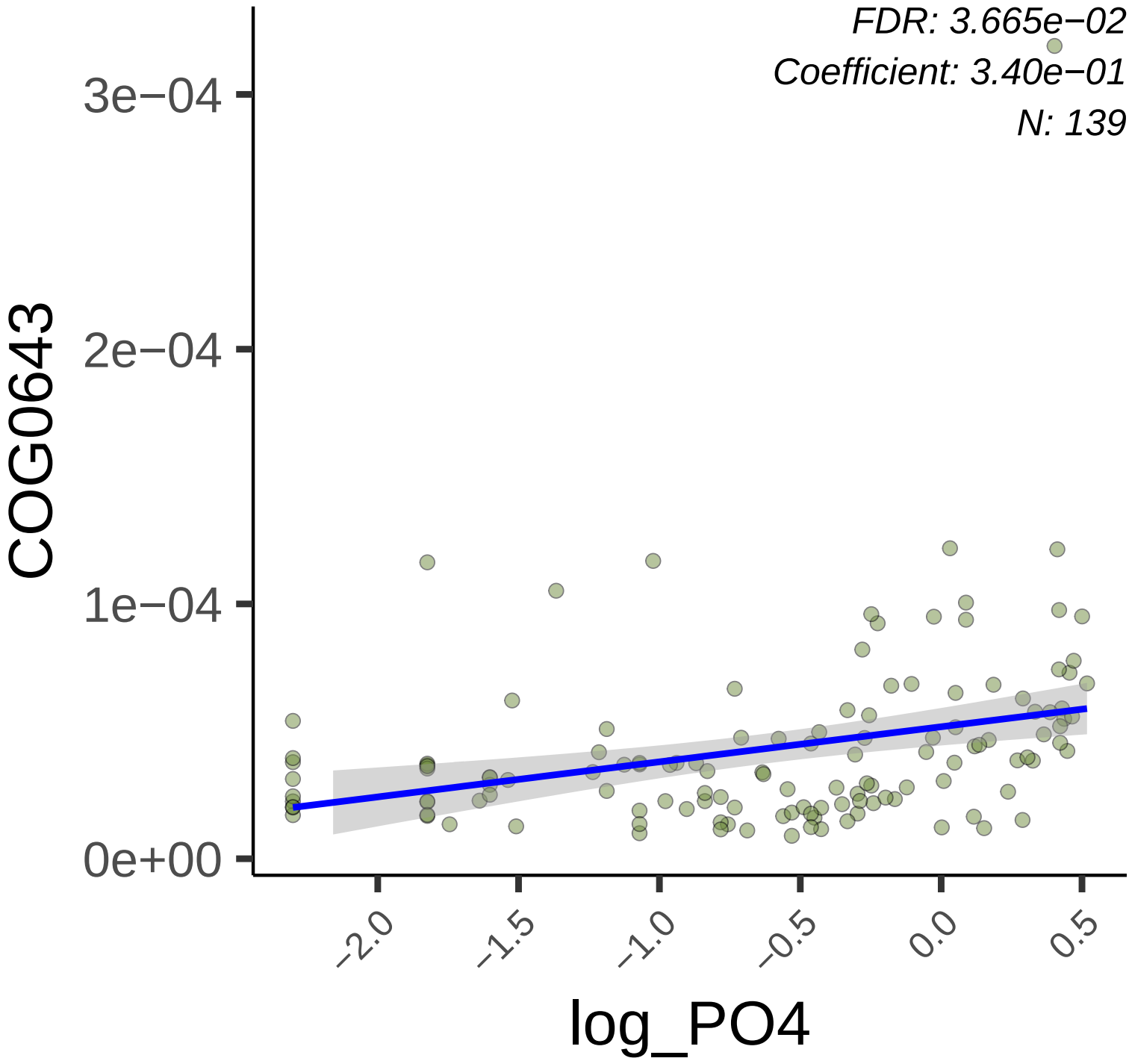
log_PO4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Coefficient: 3.40e−01
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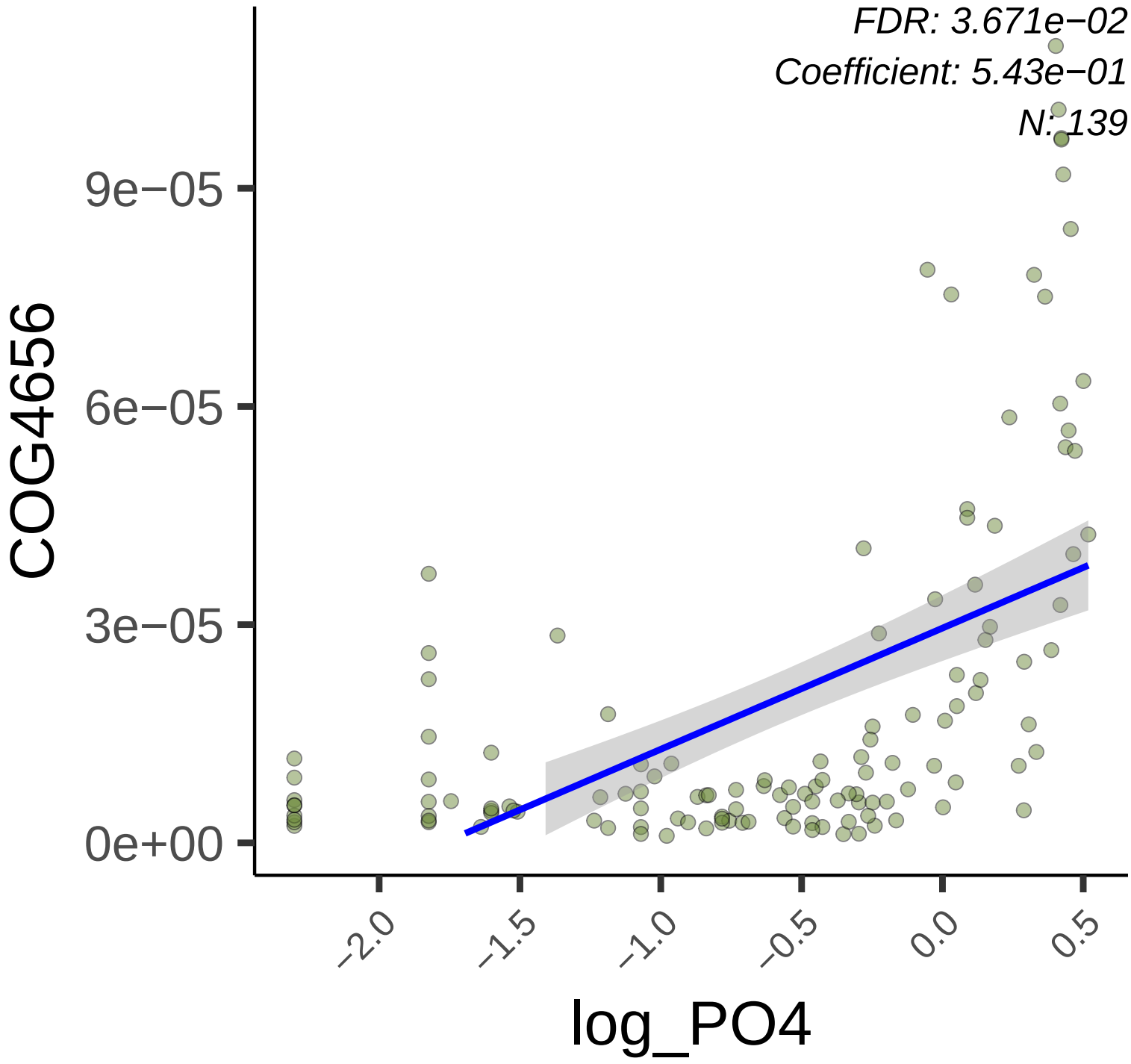
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Coefficient: 5.43e−01
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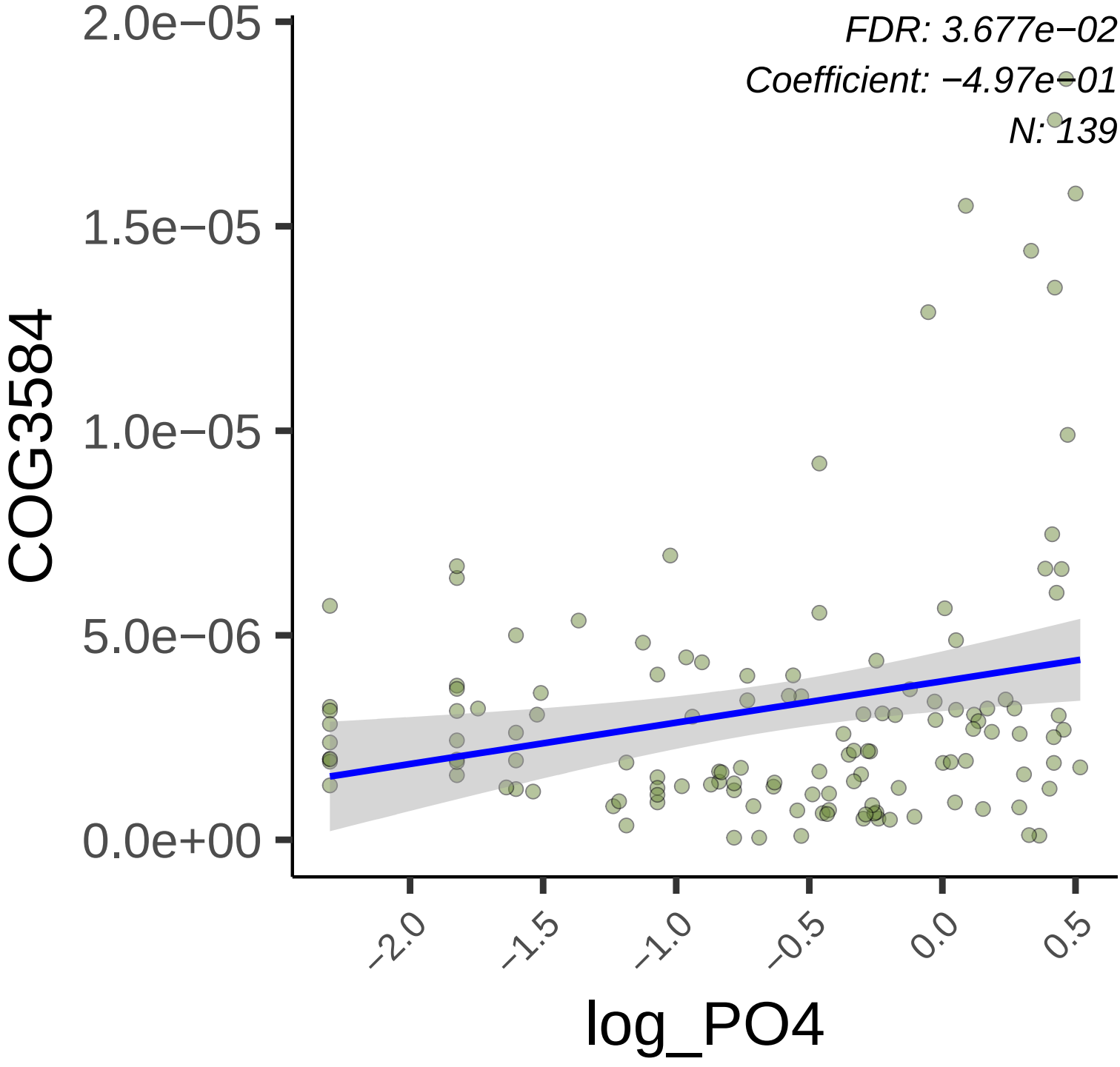
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Coefficient: −4.97e−01
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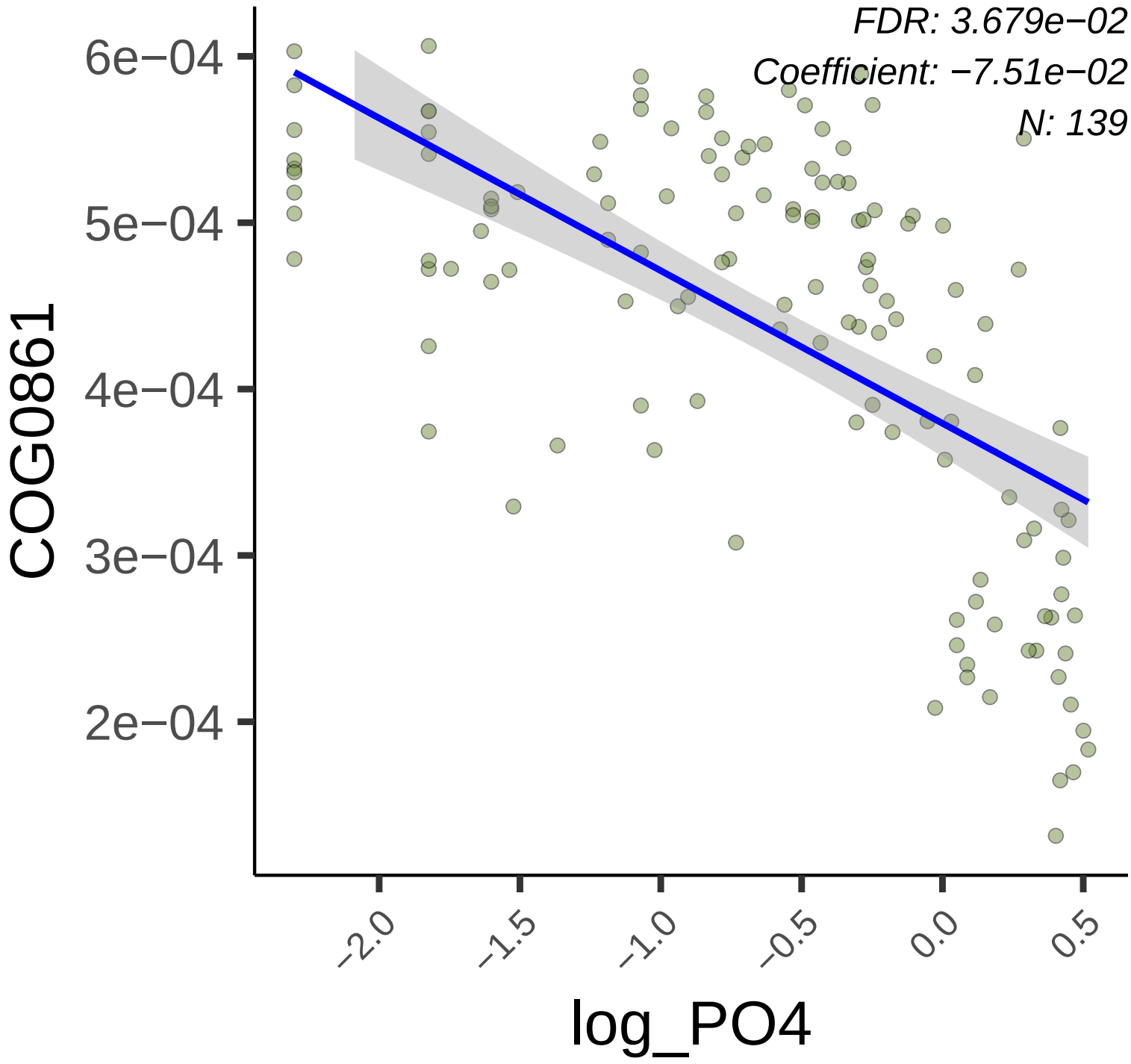
log_PO4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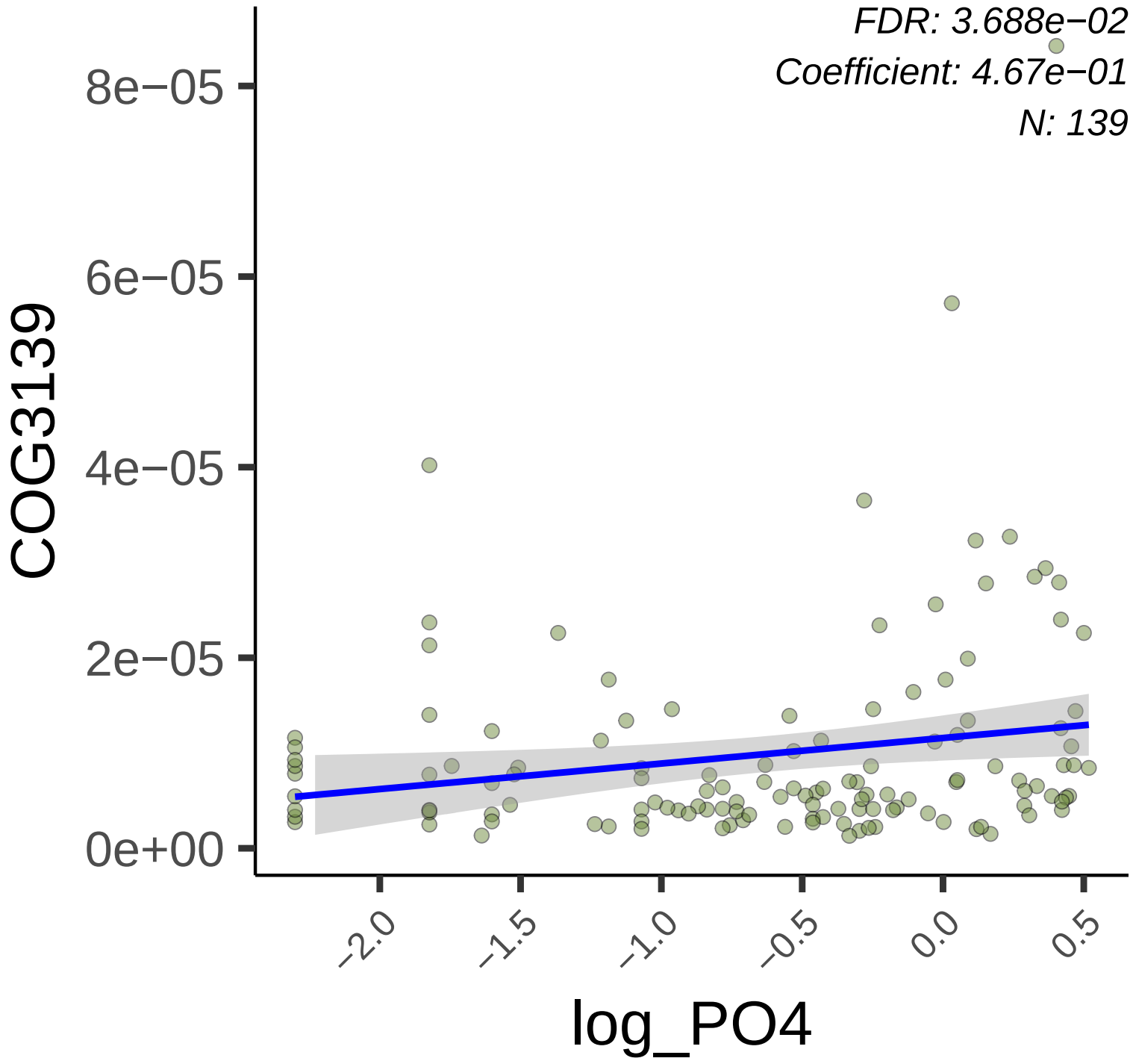
log_PO4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N: 139
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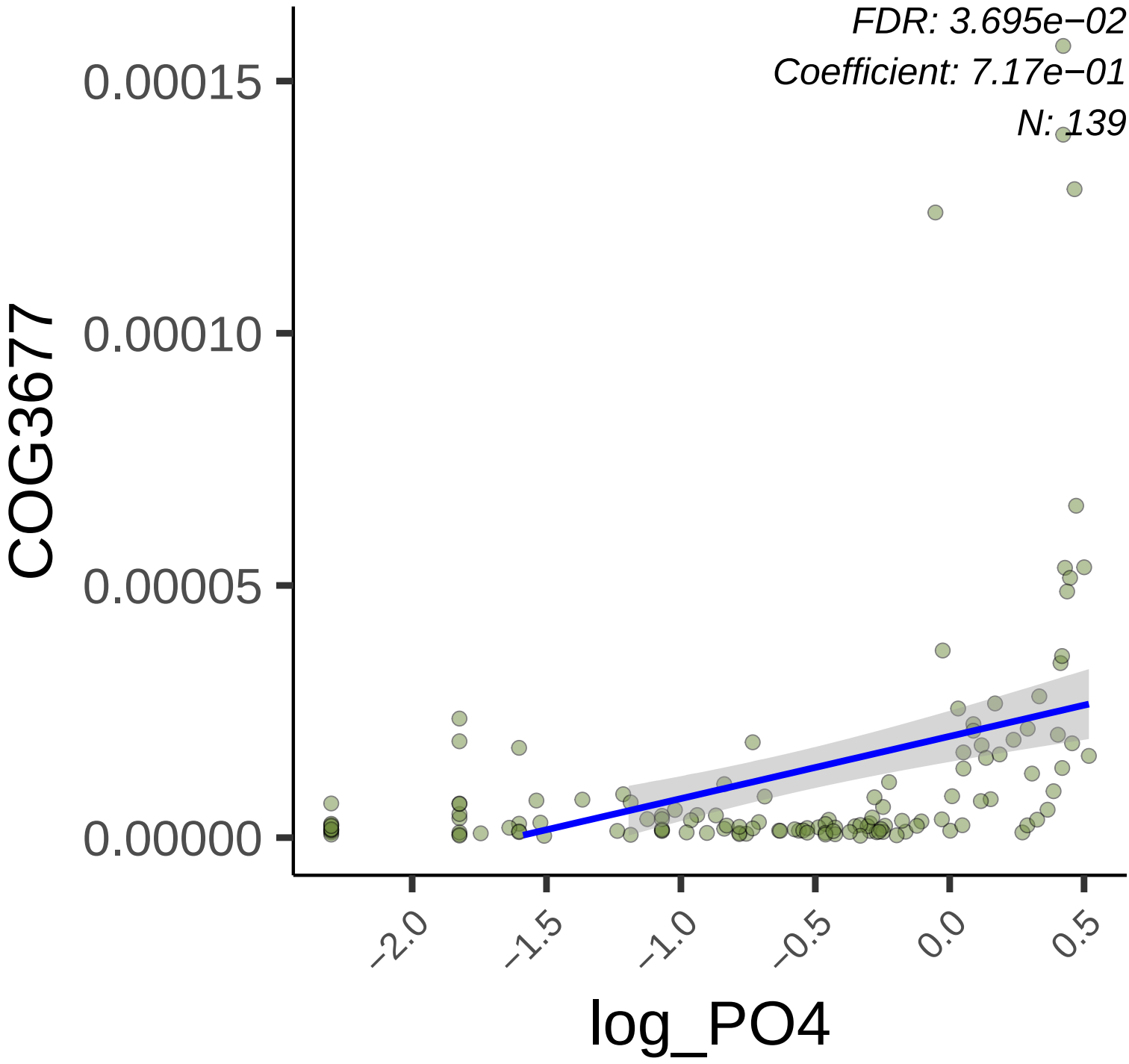
log_PO4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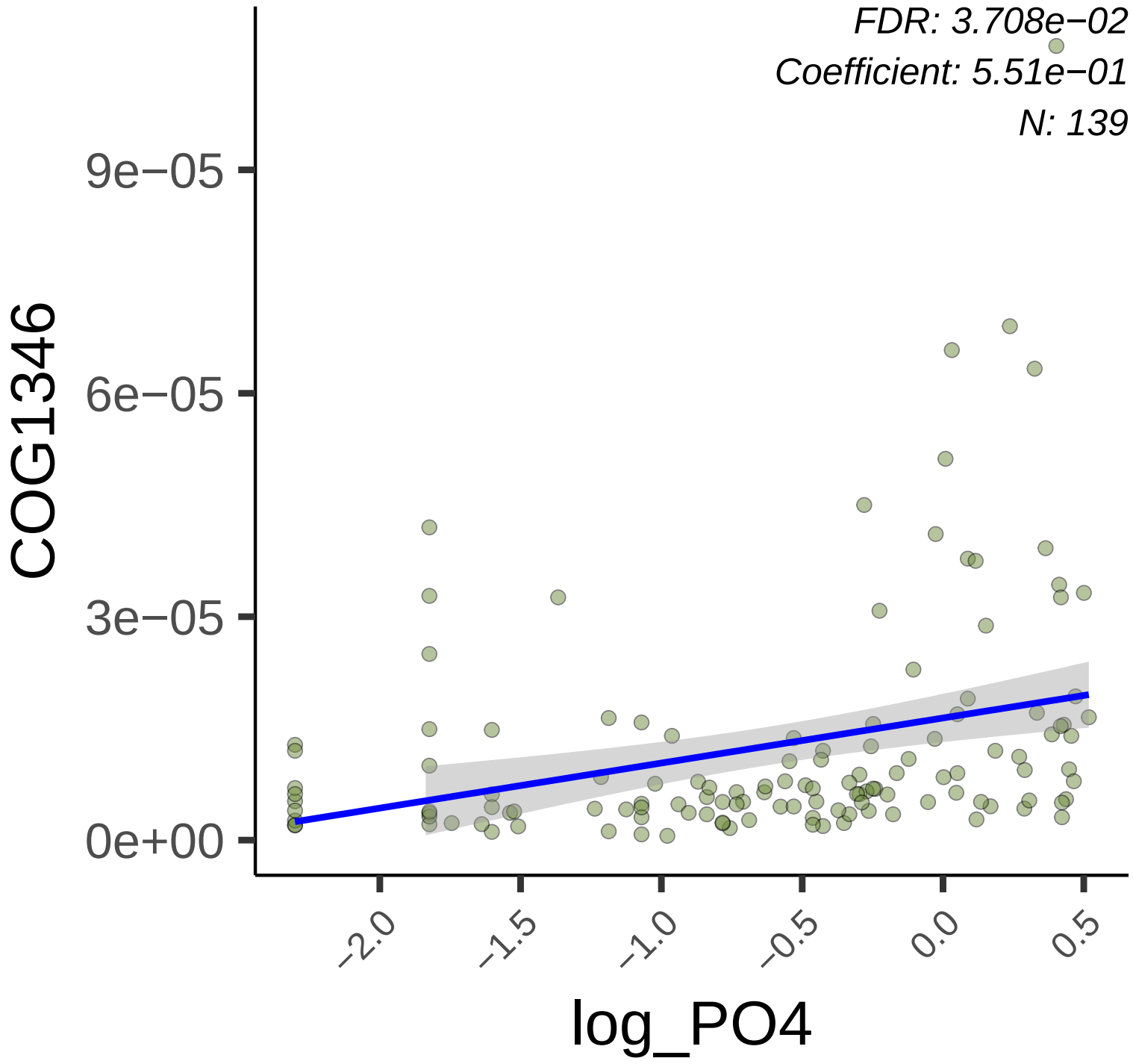
log_PO4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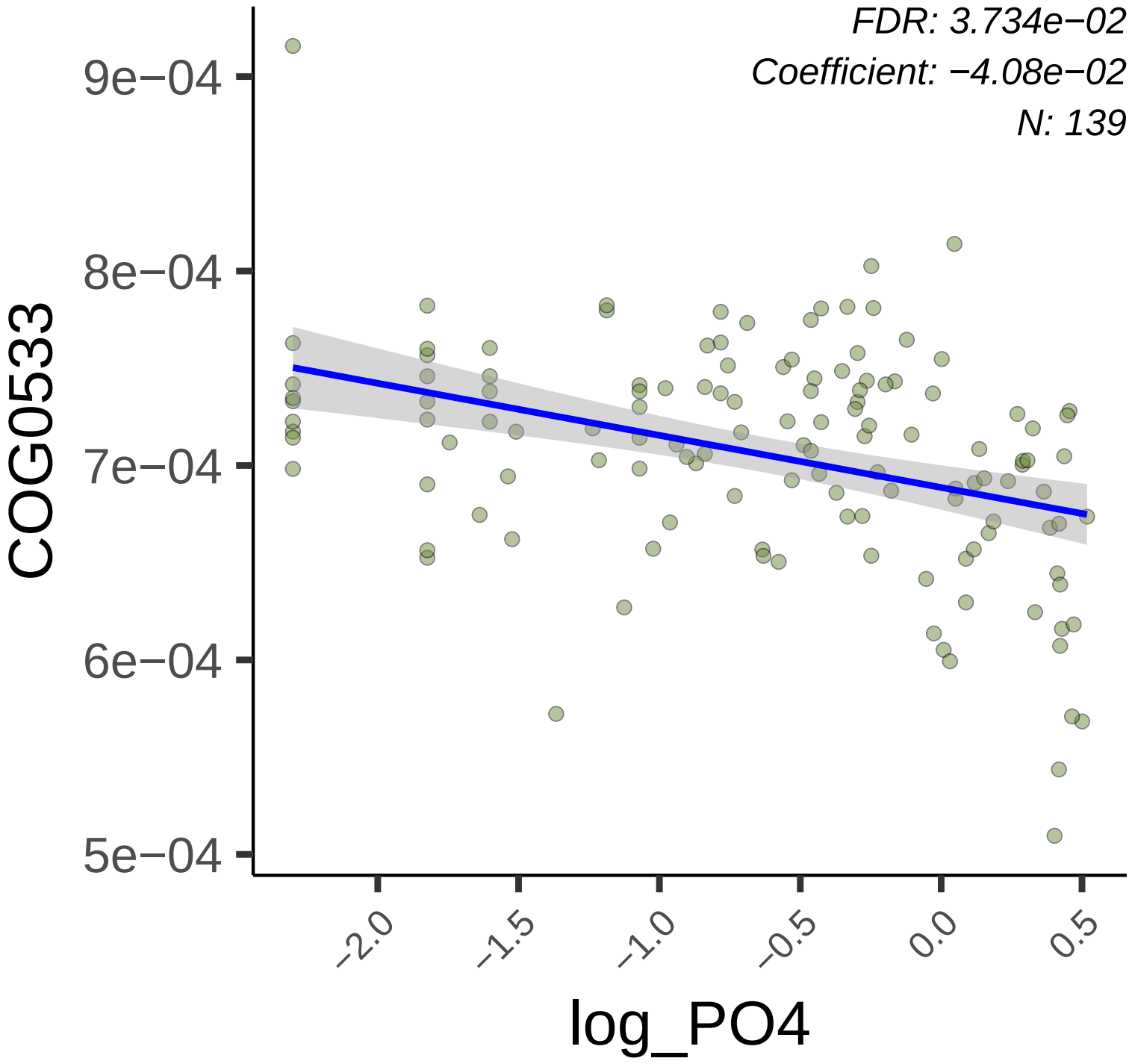
log_PO4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Coefficient: −4.08e−02
N: 139
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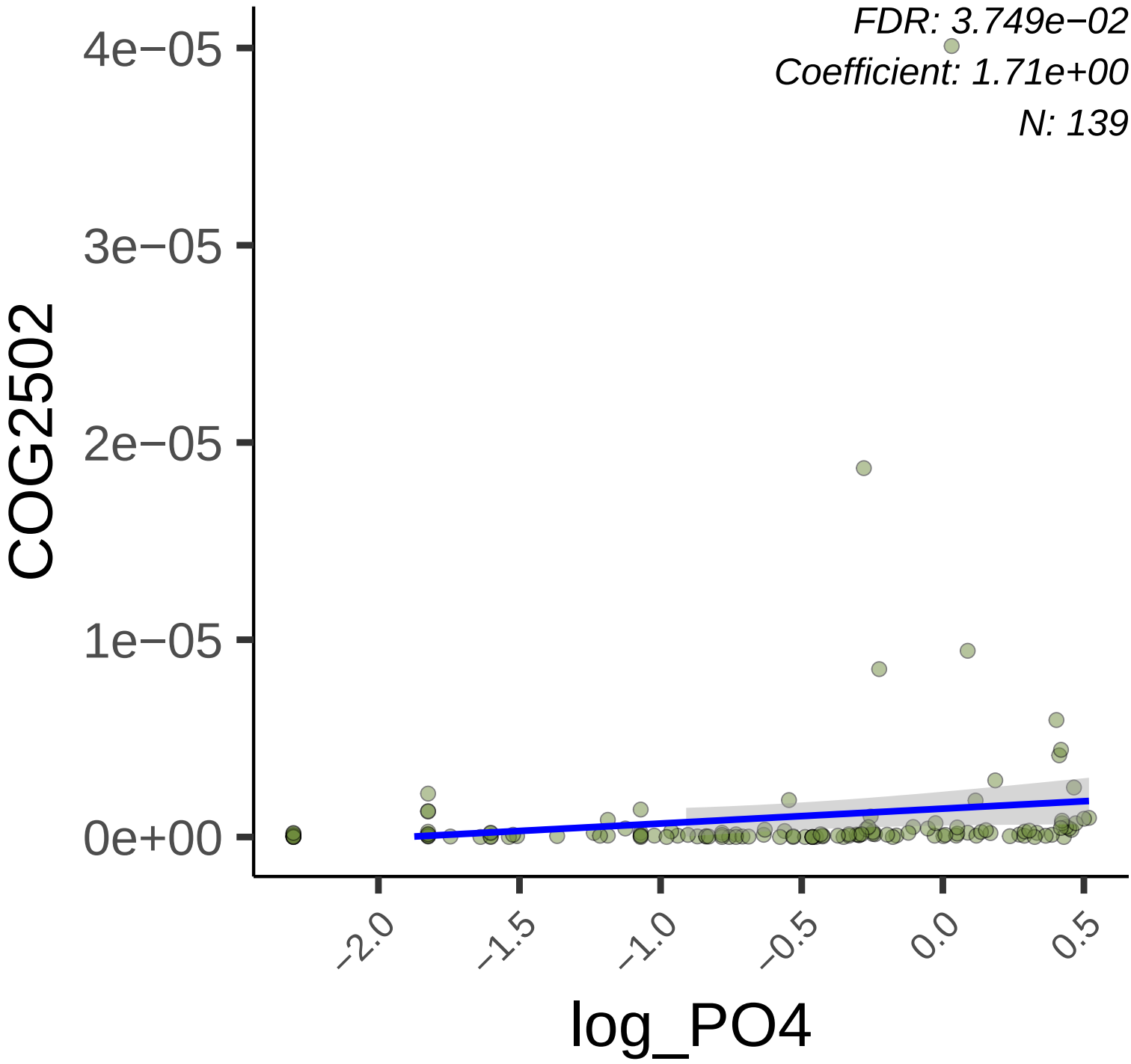
log_PO4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Coefficient: 1.71e+00
N: 139
COG2502
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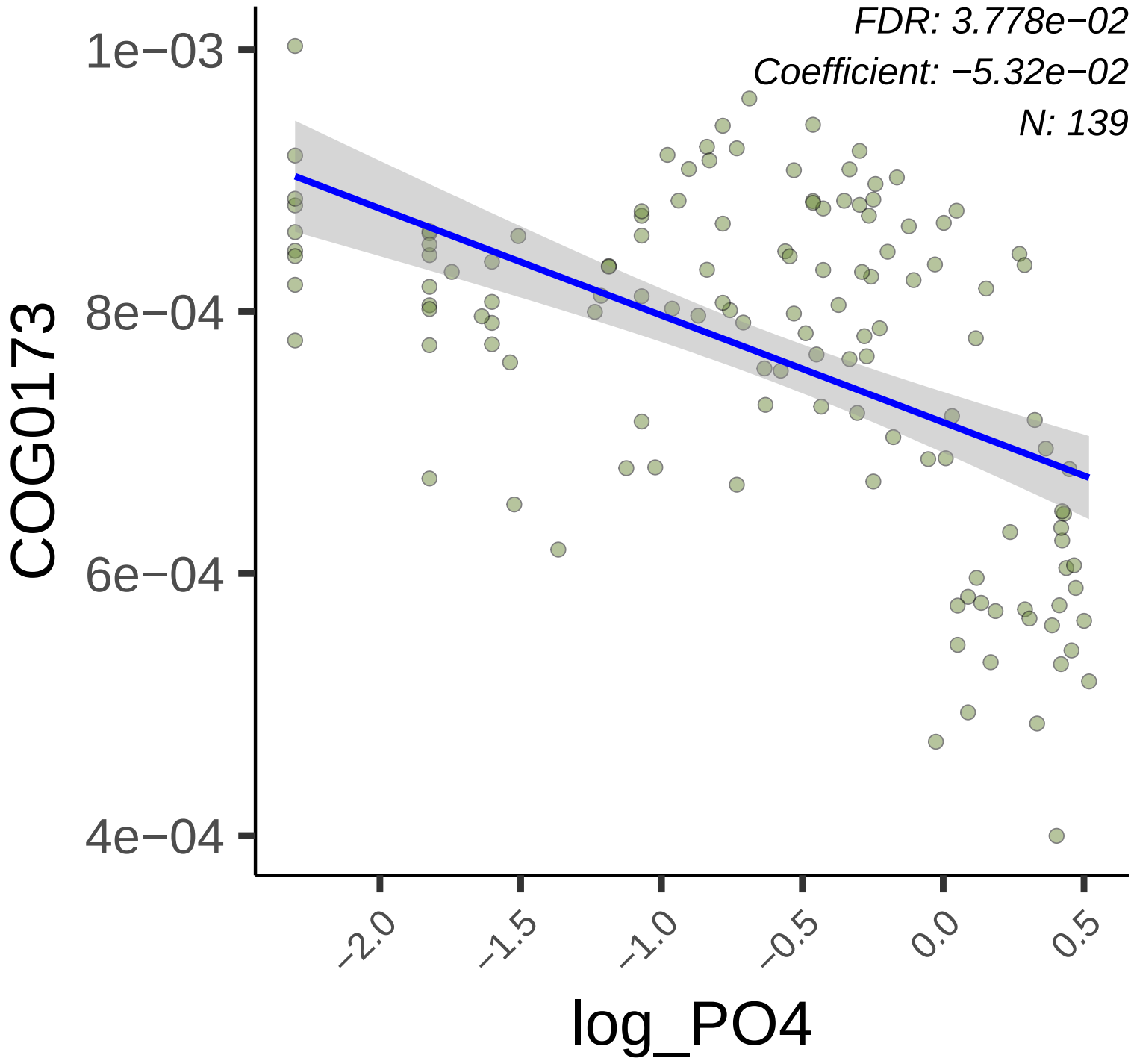
log_PO4


FDR: 3.778e−02
Coefficient: −5.32e−02
N: 139
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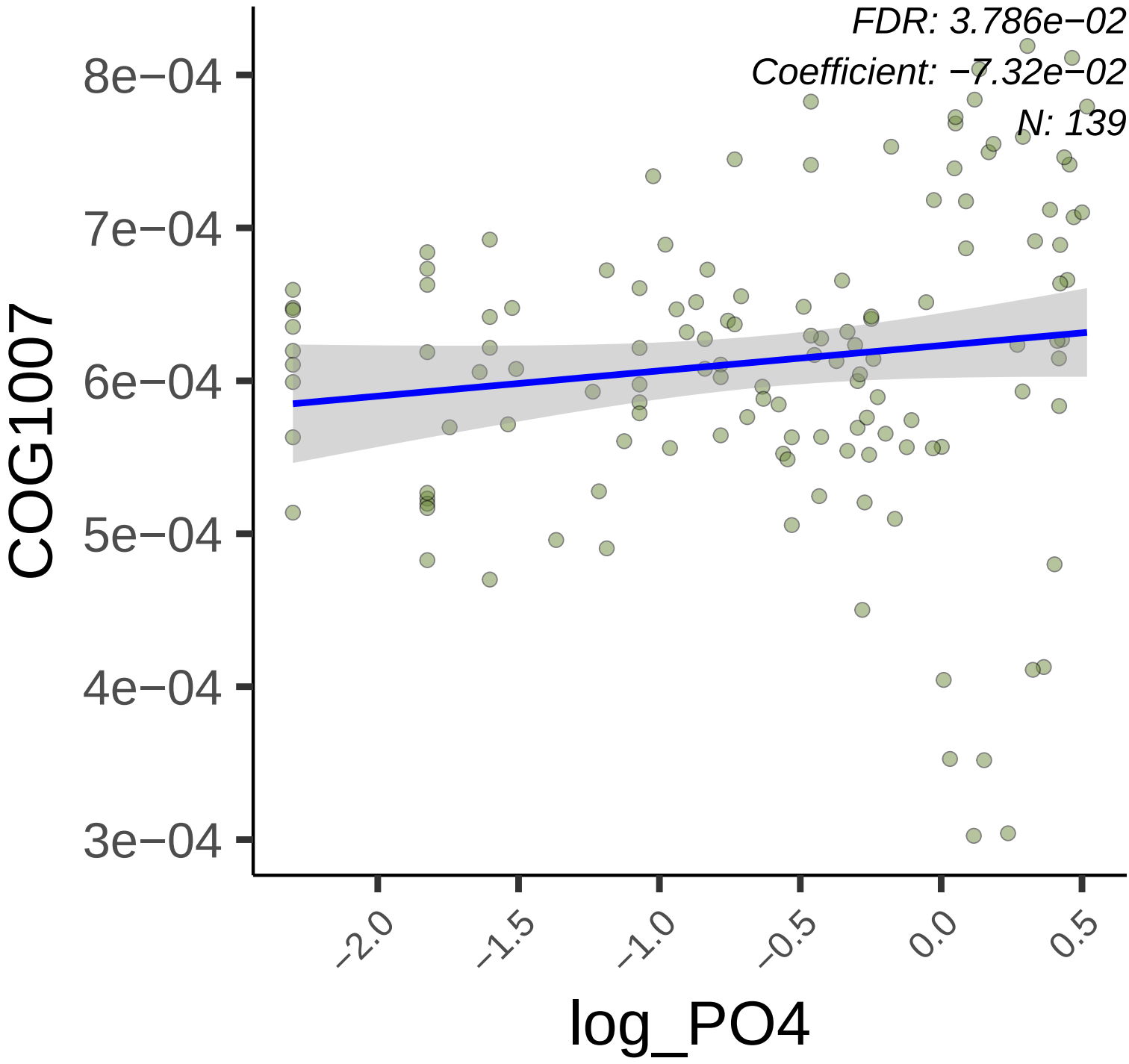
log_PO4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Coefficient: −7.32e−02
N: 139
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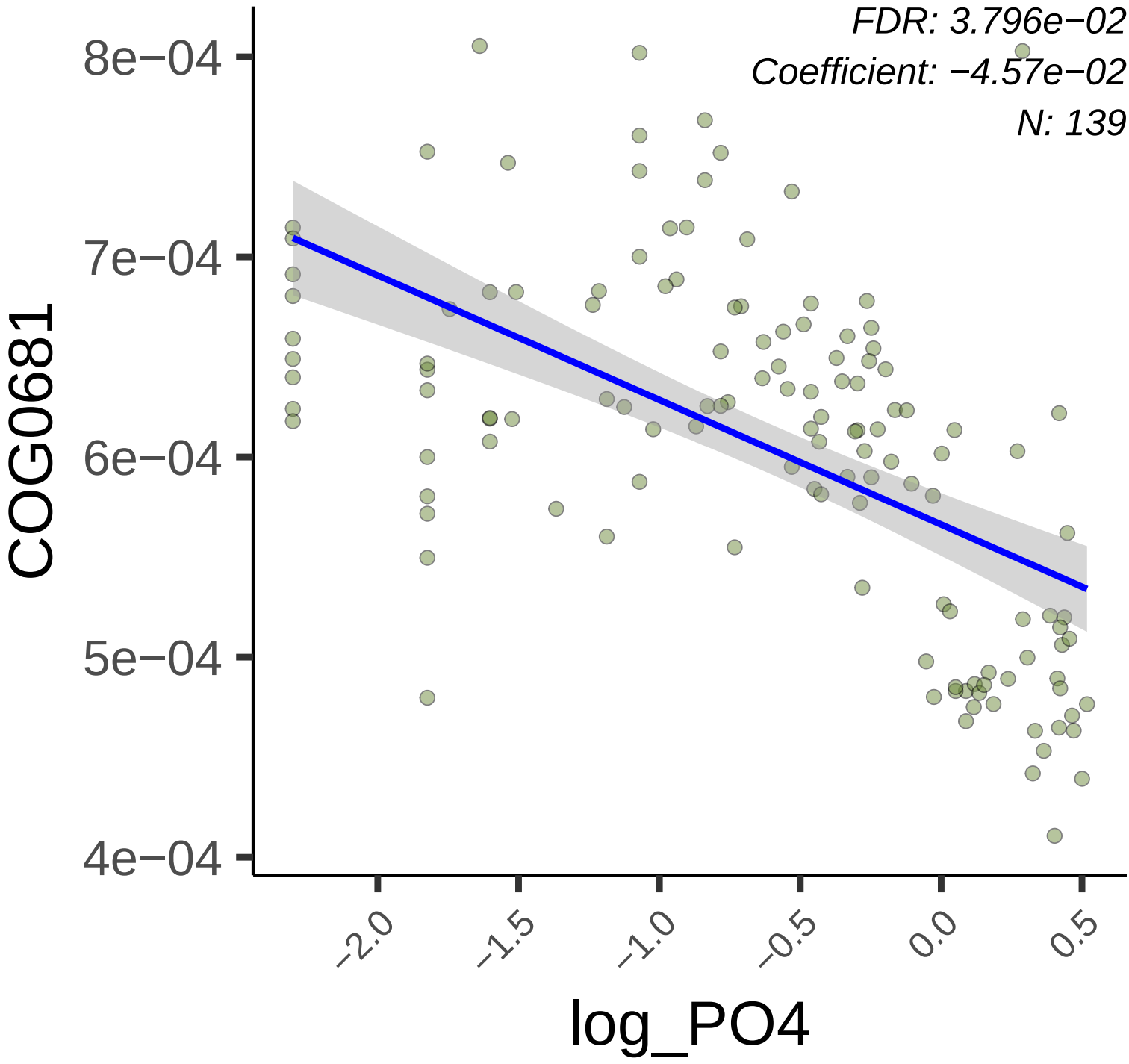
log_PO4


FDR: 3.796e−02
Coefficient: −4.57e−02
N: 139
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COG0681
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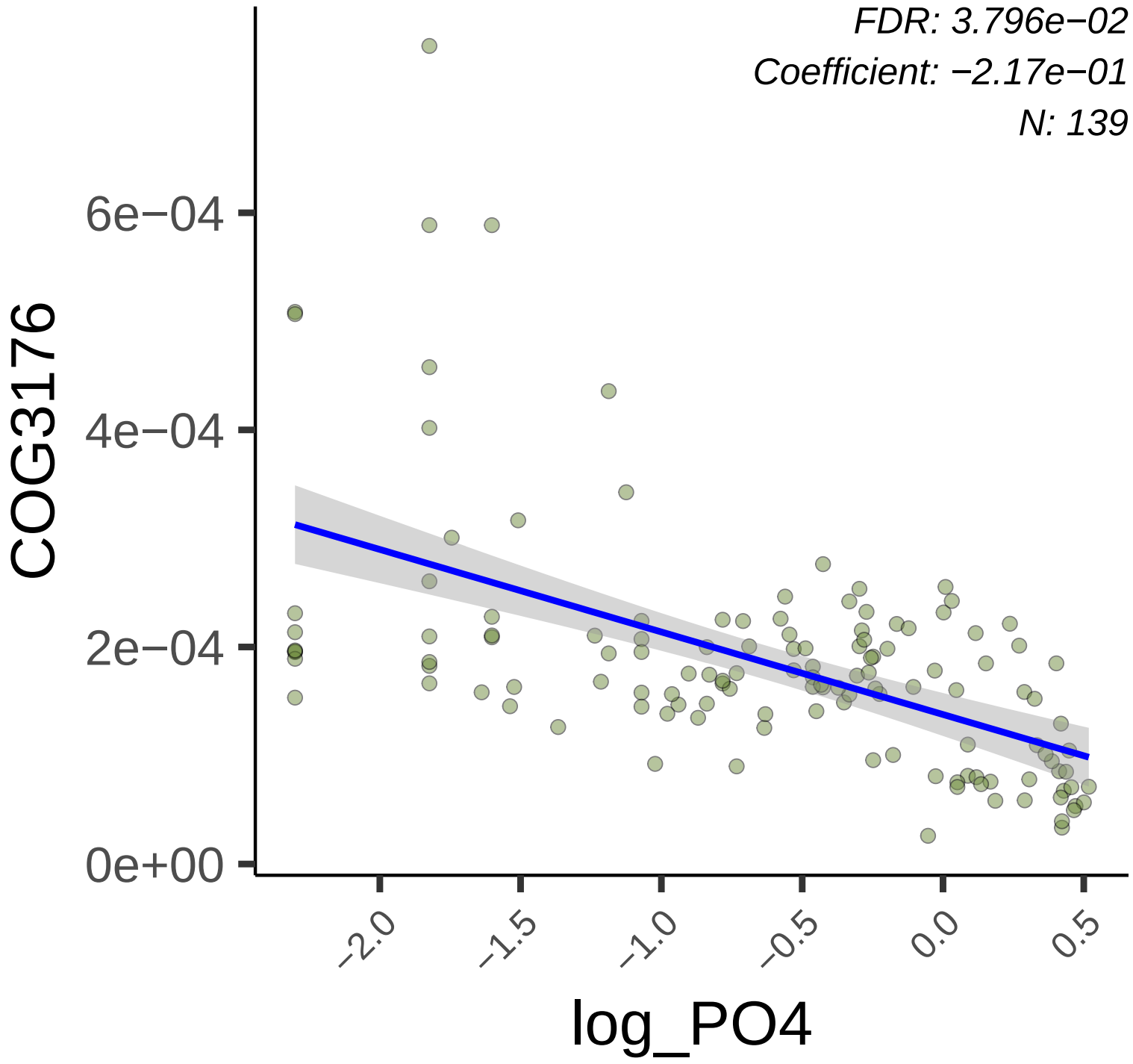
log_PO4


FDR: 3.796e−02
Coefficient: −2.17e−01
N: 139
COG3176
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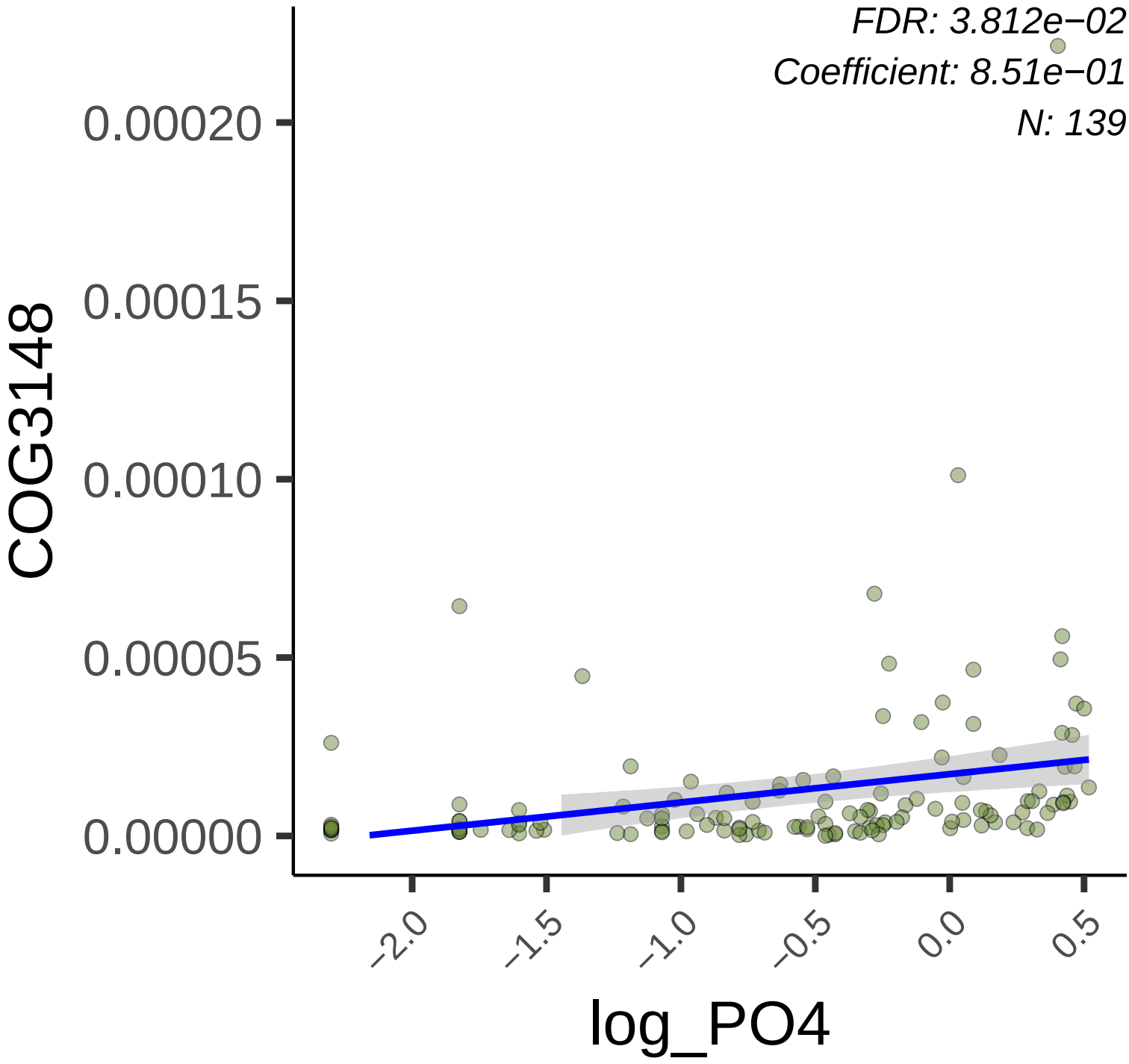
log_PO4


FDR: 3.812e−02
Coefficient: 8.51e−01
N: 139
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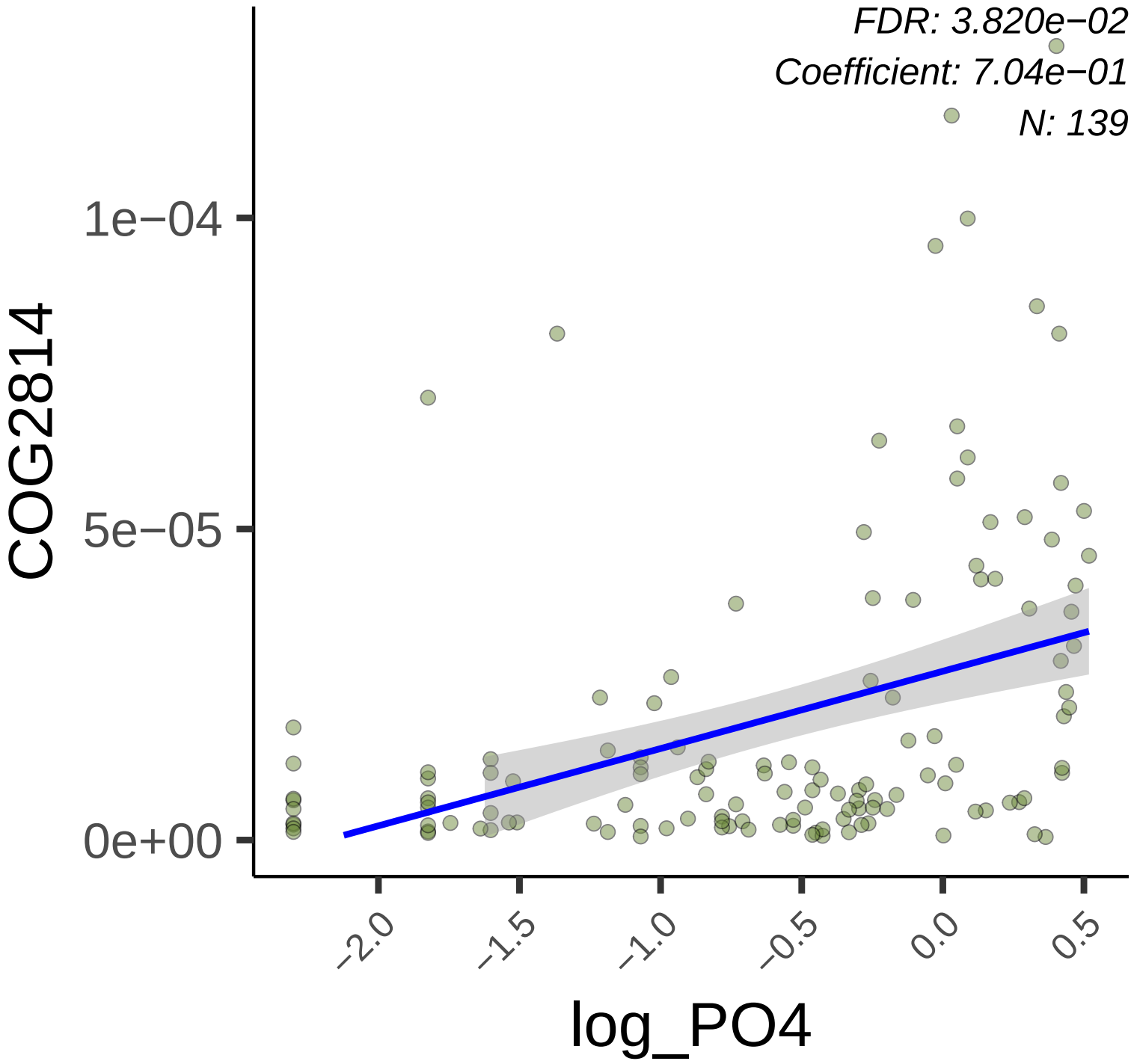
log_PO4


FDR: 3.820e−02
Coefficient: 7.04e−01
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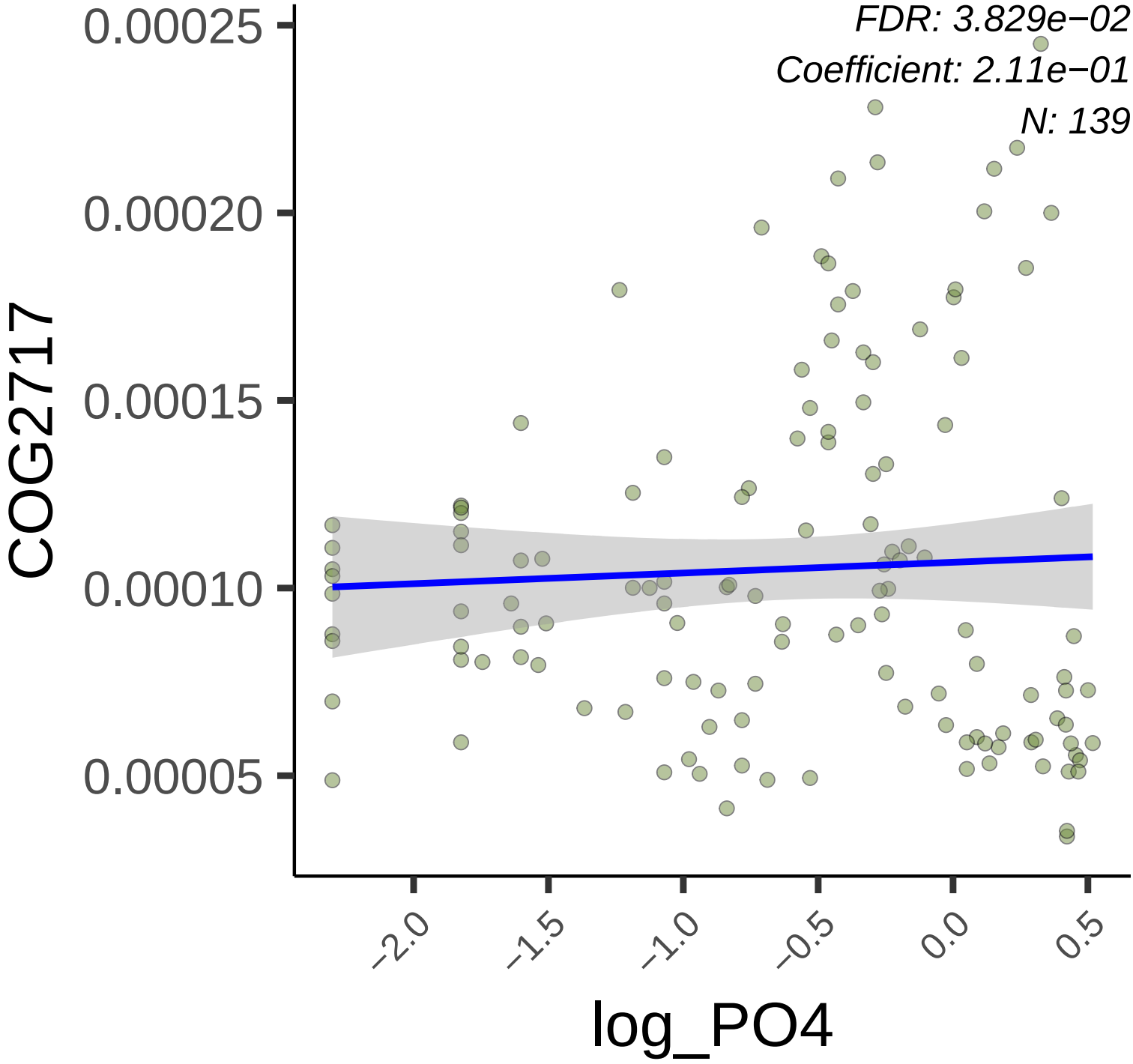
log_PO4


FDR: 3.829e−02
Coefficient: 2.11e−01
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COG2717
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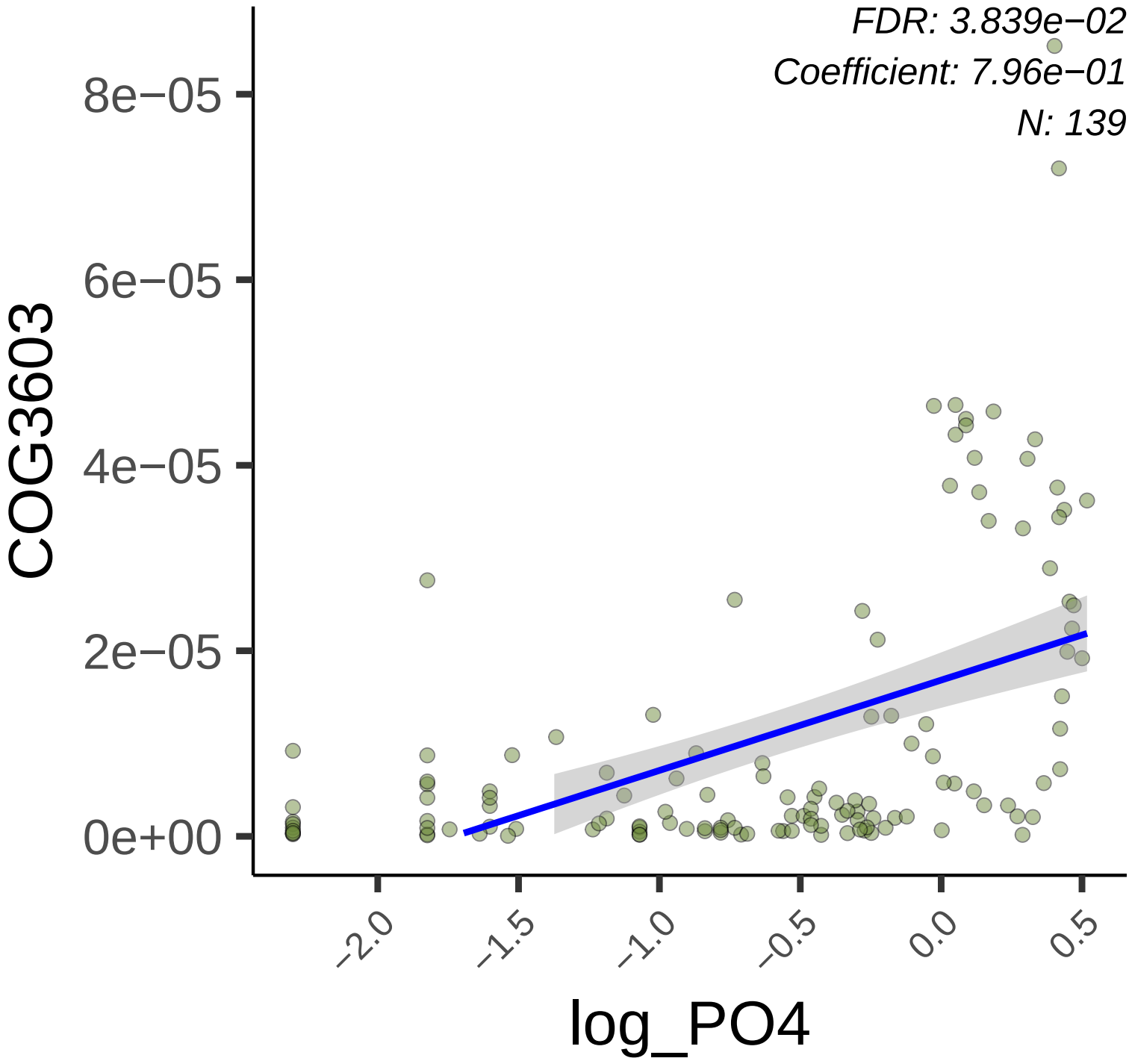
log_PO4


FDR: 3.839e−02
Coefficient: 7.96e−01
N: 139
COG3603
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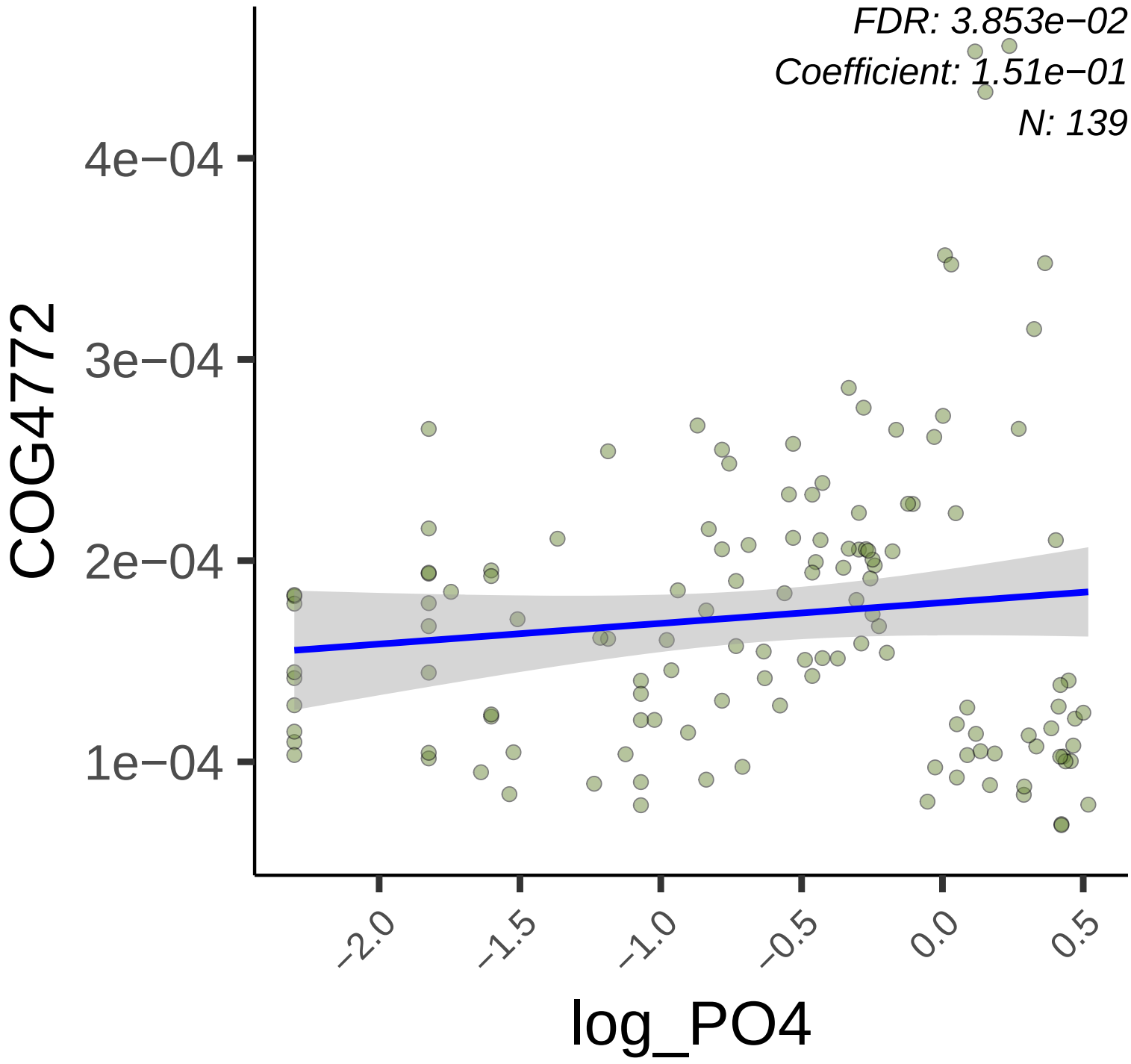
log_PO4


FDR: 3.853e−02
Coefficient: 1.51e−01
N: 139
COG4772
4e−04
3e−04
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−1.5
−1.0
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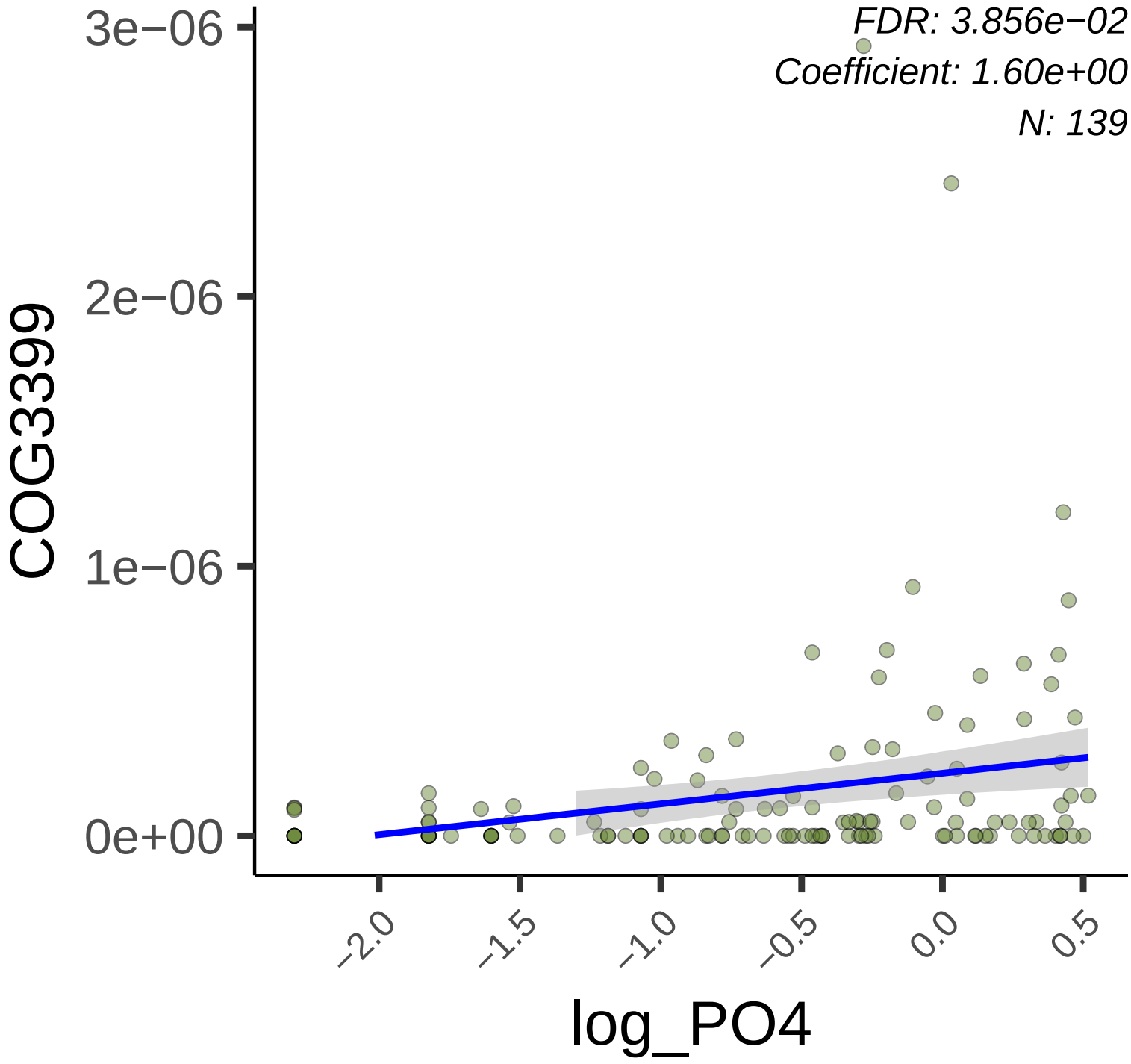
log_PO4


FDR: 3.856e−02
Coefficient: 1.60e+00
N: 139
COG3399
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2e−06
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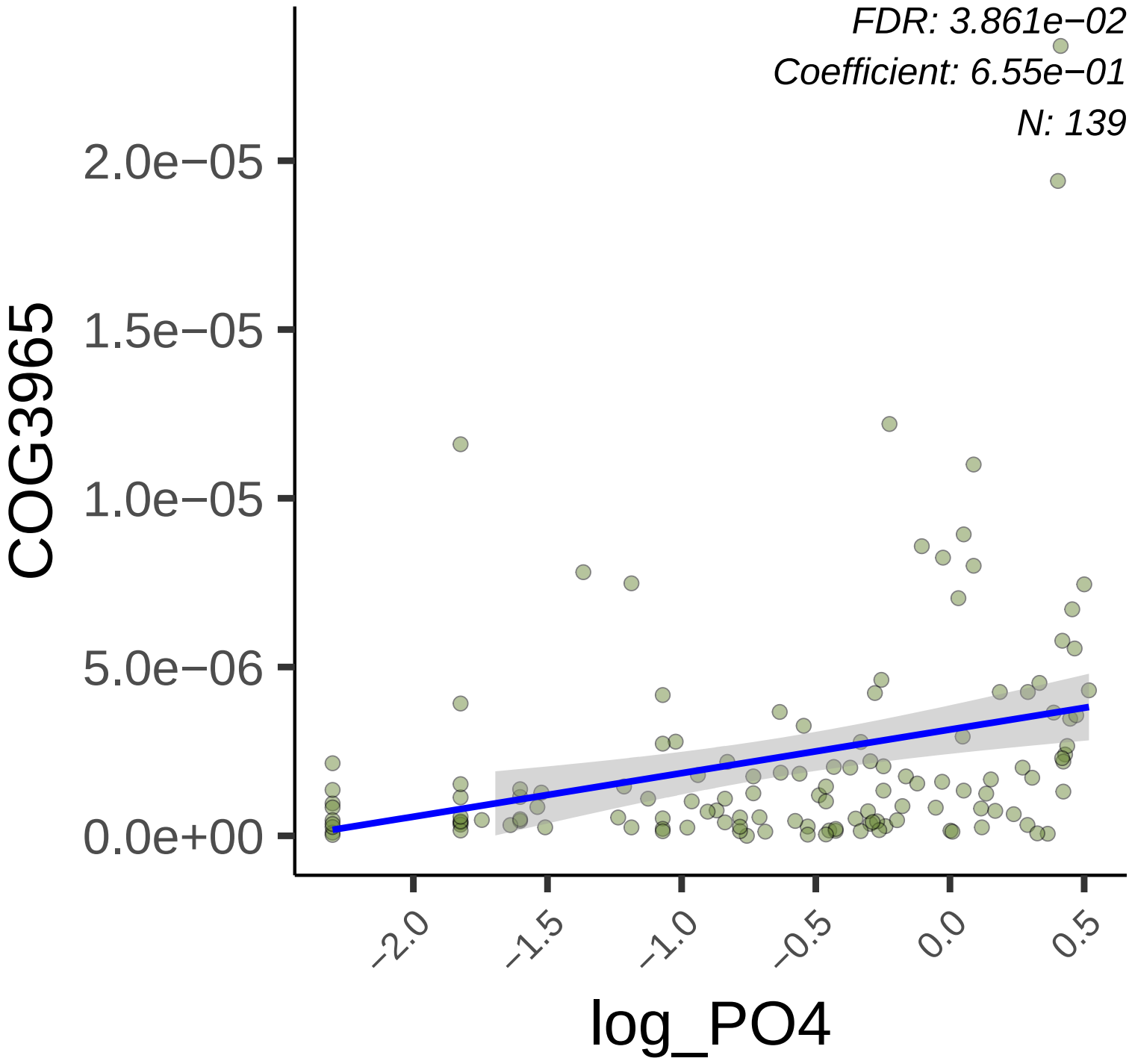
log_PO4


FDR: 3.861e−02
Coefficient: 6.55e−01
N: 139
COG3965
2.0e−05
1.5e−05
1.0e−05
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−1.5
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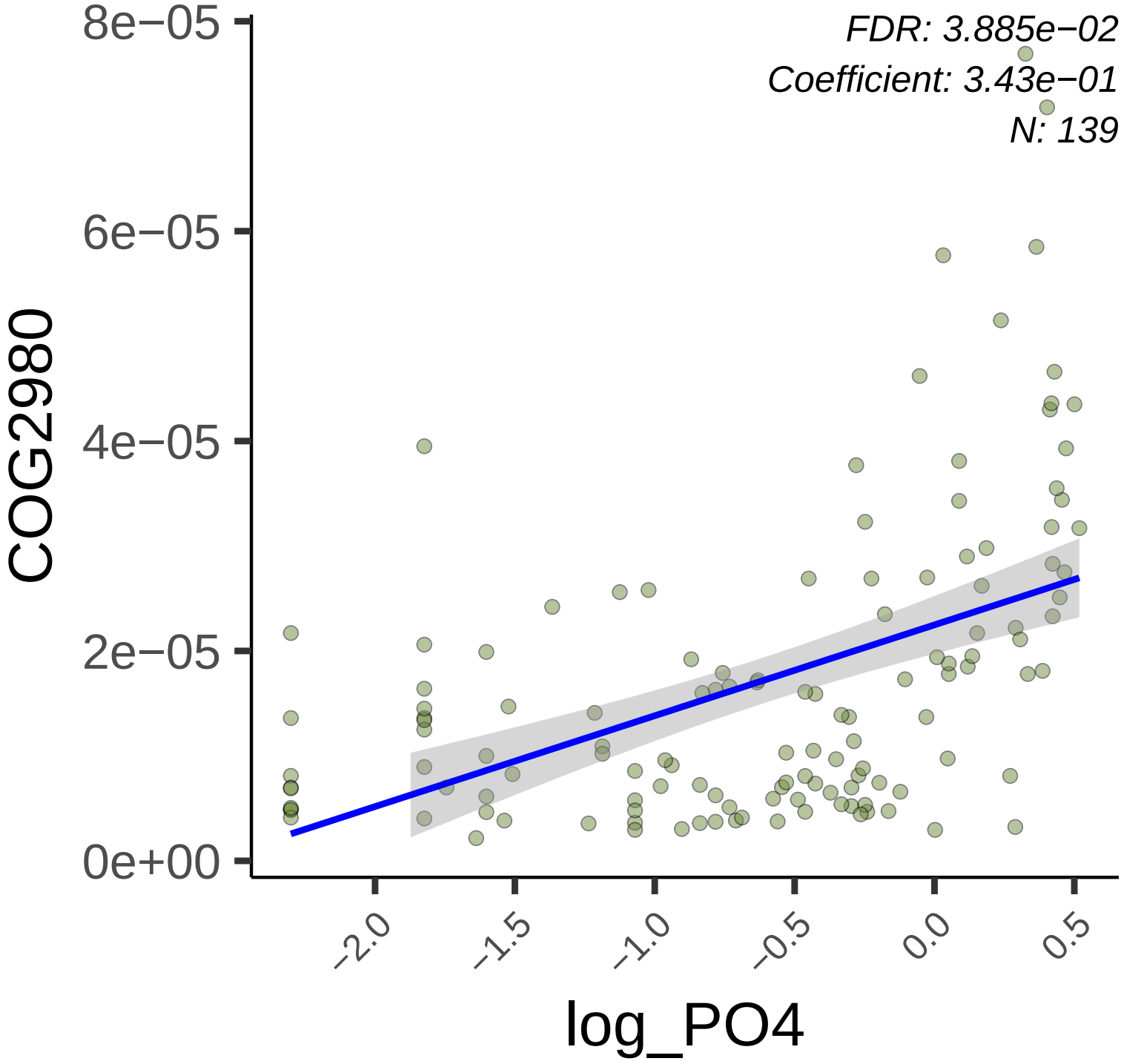
log_PO4


FDR: 3.885e−02
Coefficient: 3.43e−01
N: 139
COG2980
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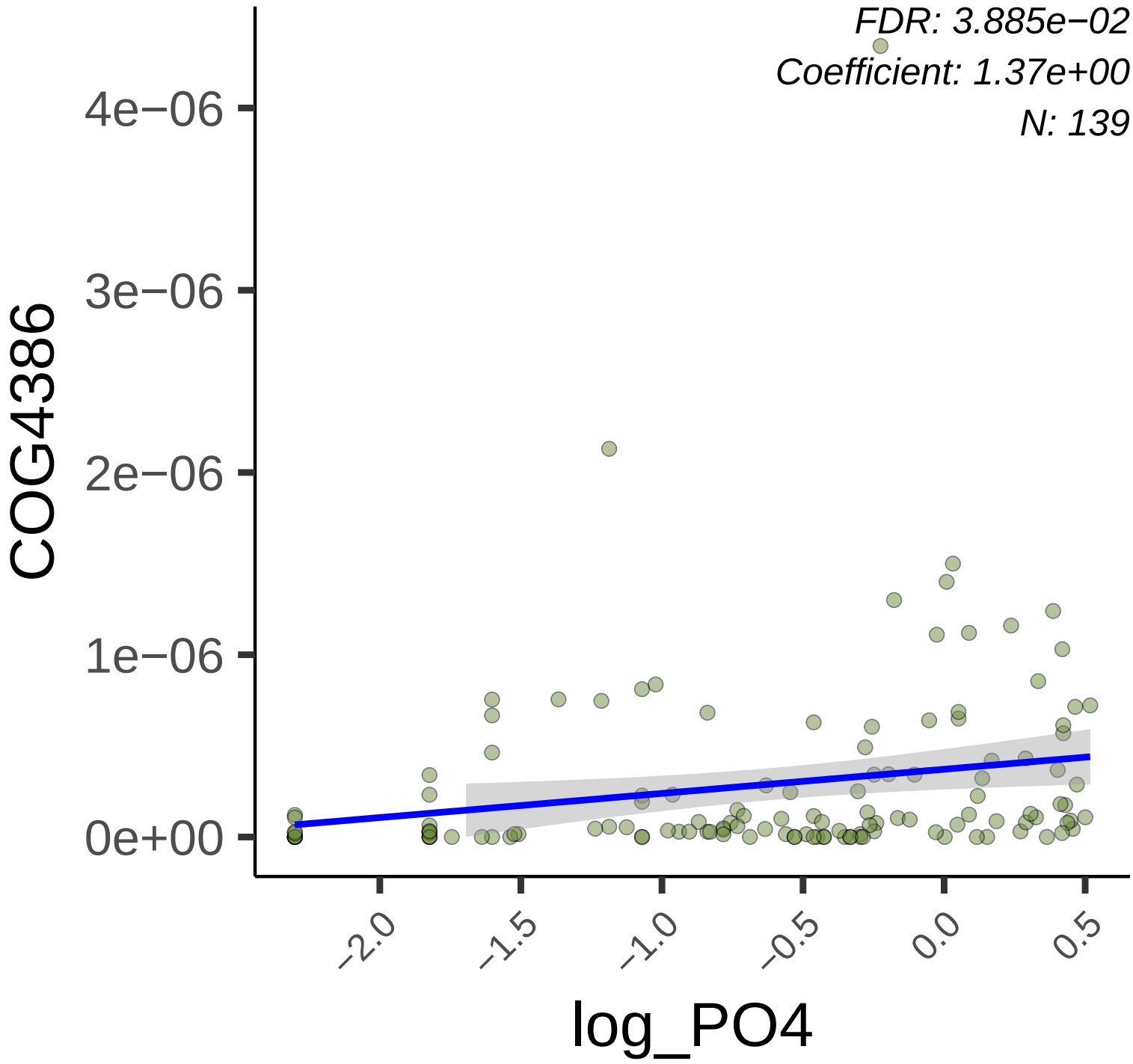
log_PO4


FDR: 3.885e−02
Coefficient: 1.37e+00
N: 139
COG4386
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3e−06
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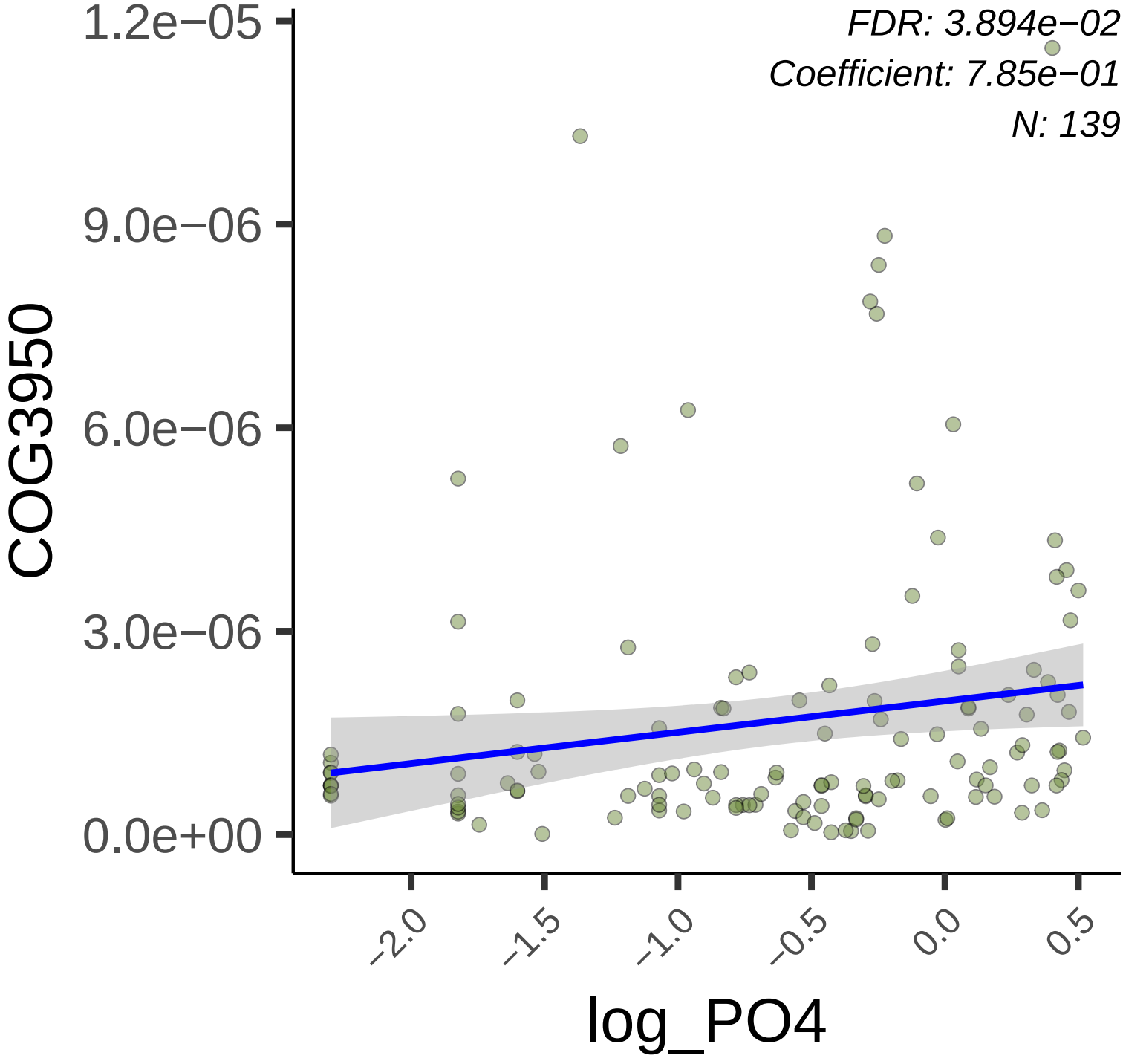
log_PO4


FDR: 3.894e−02
Coefficient: 7.85e−01
N: 139
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9.0e−06
6.0e−06
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COG3950
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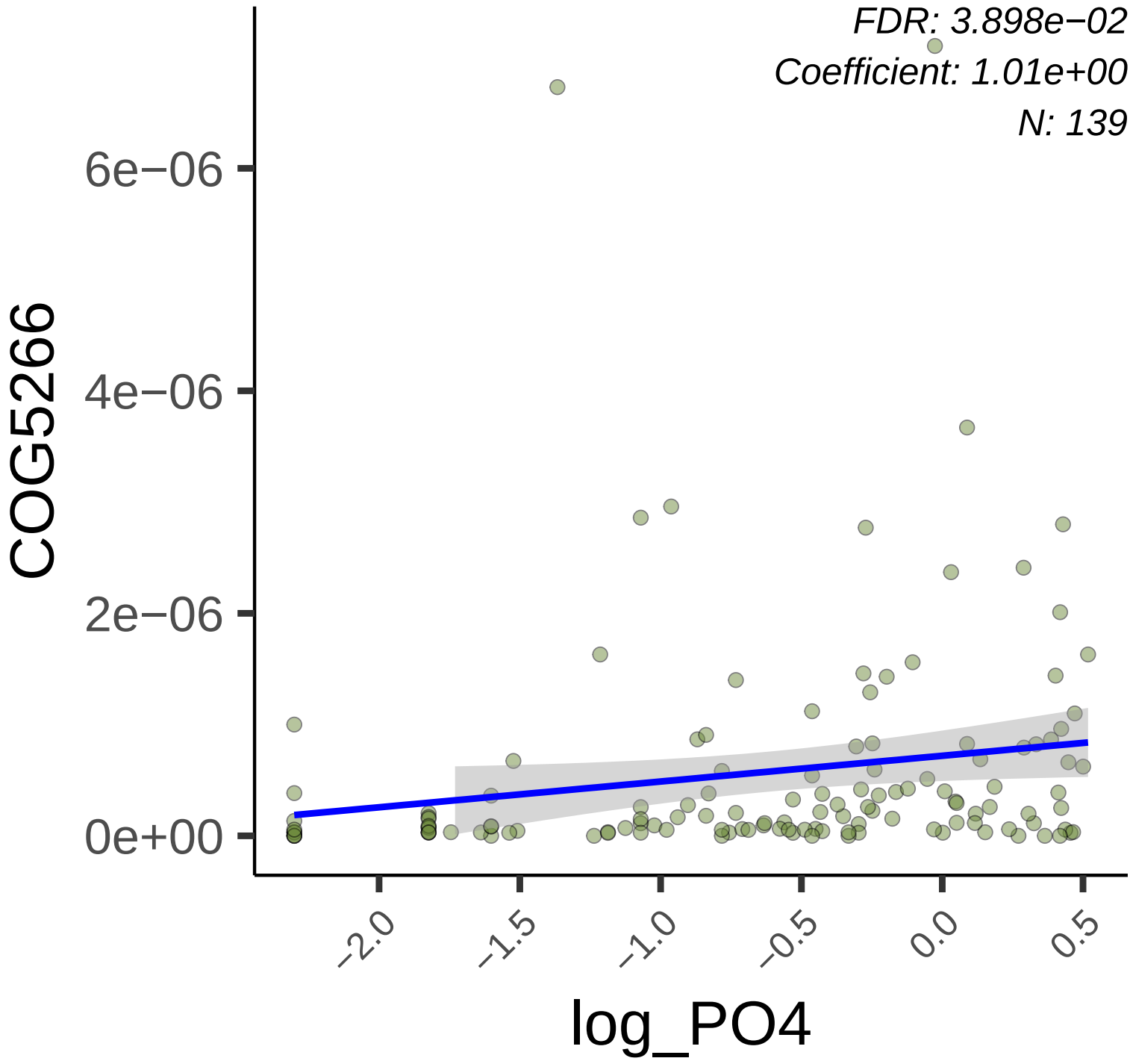
log_PO4


FDR: 3.898e−02
Coefficient: 1.01e+00
N: 139
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4e−06
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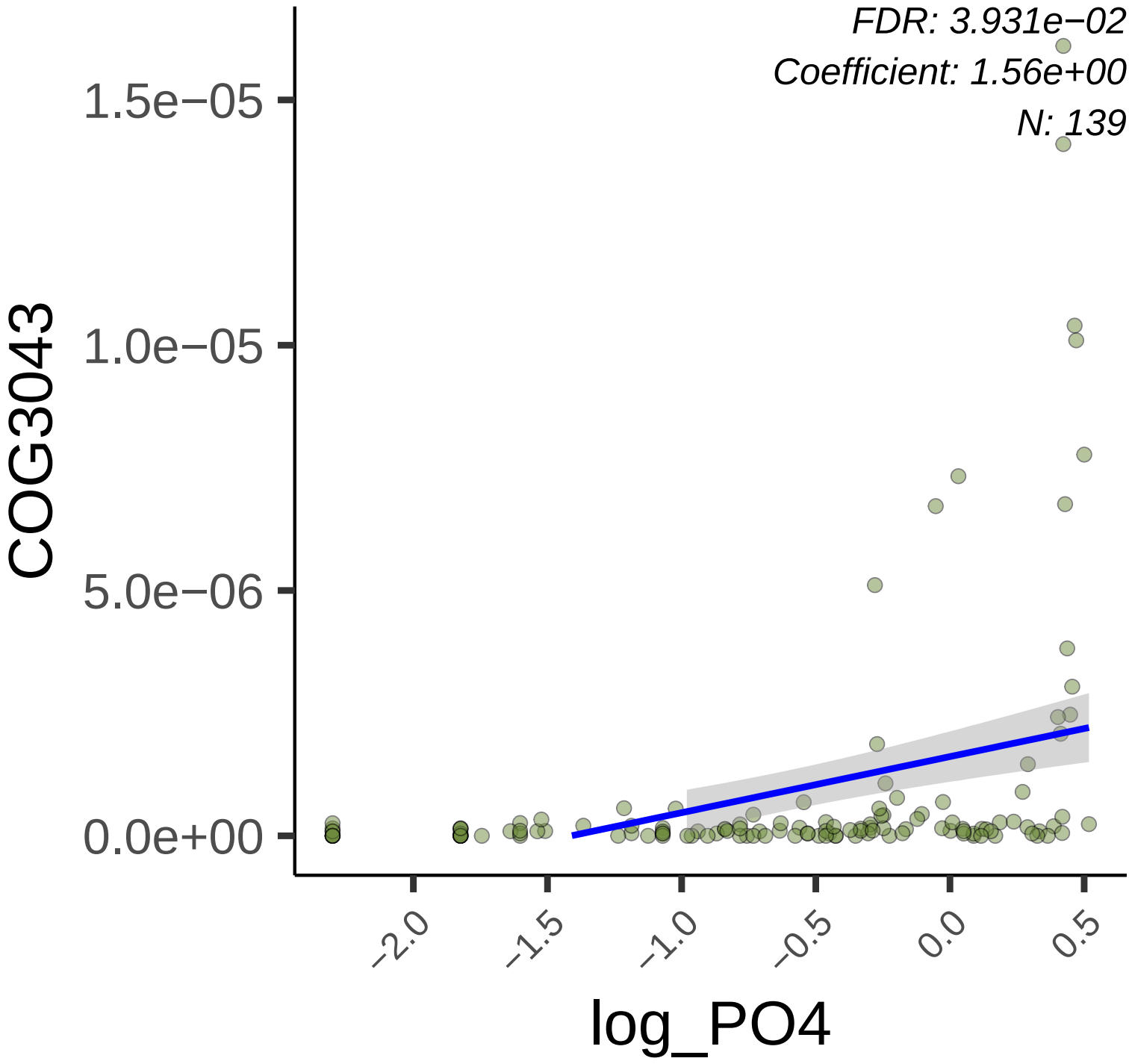
log_PO4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Coefficient: 1.56e+00
N: 139
COG3043
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1.0e−05
5.0e−06
0.0e+00
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−1.5
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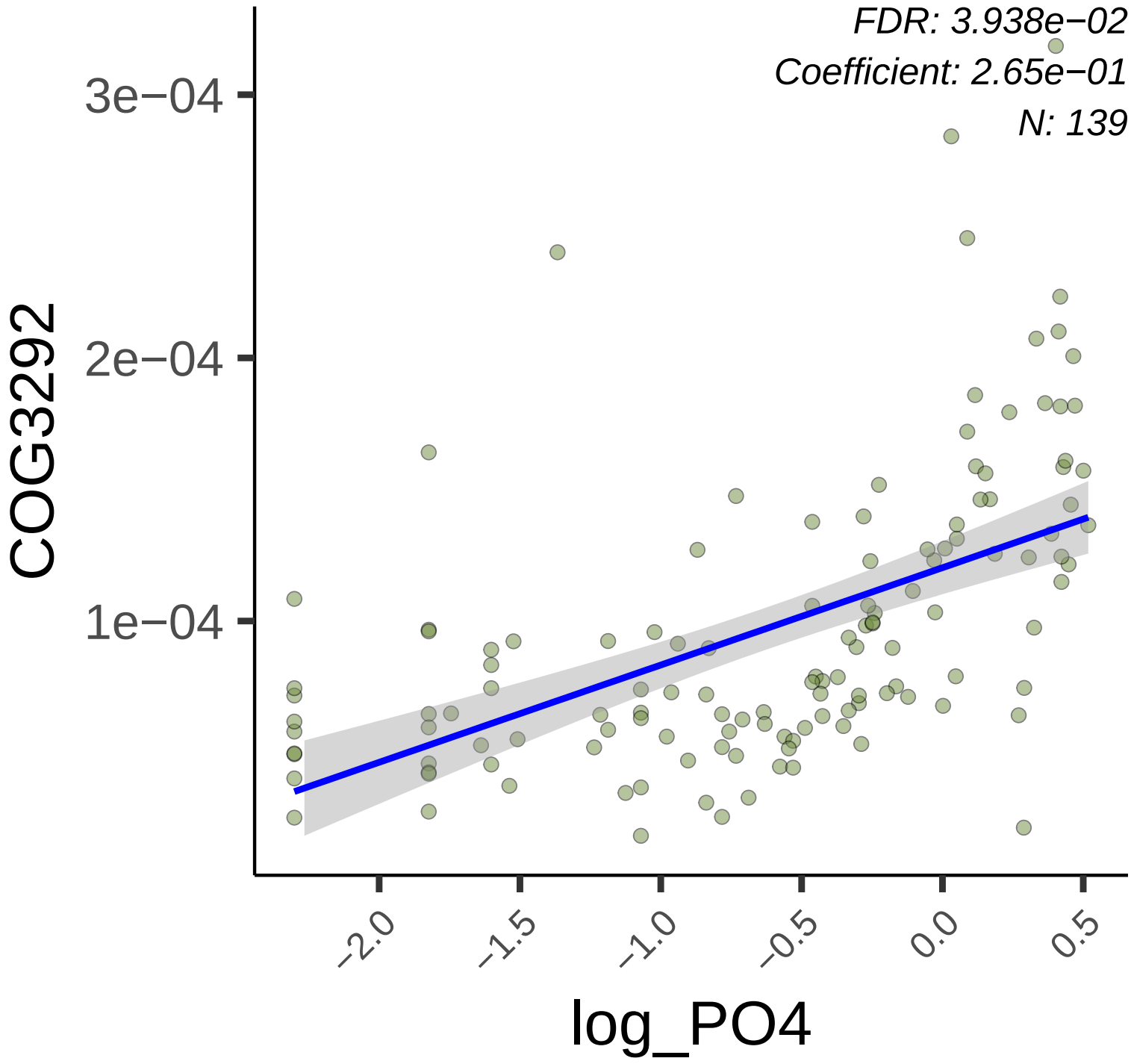
log_PO4


FDR: 3.938e−02
Coefficient: 2.65e−01
N: 139
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2e−04
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COG3292
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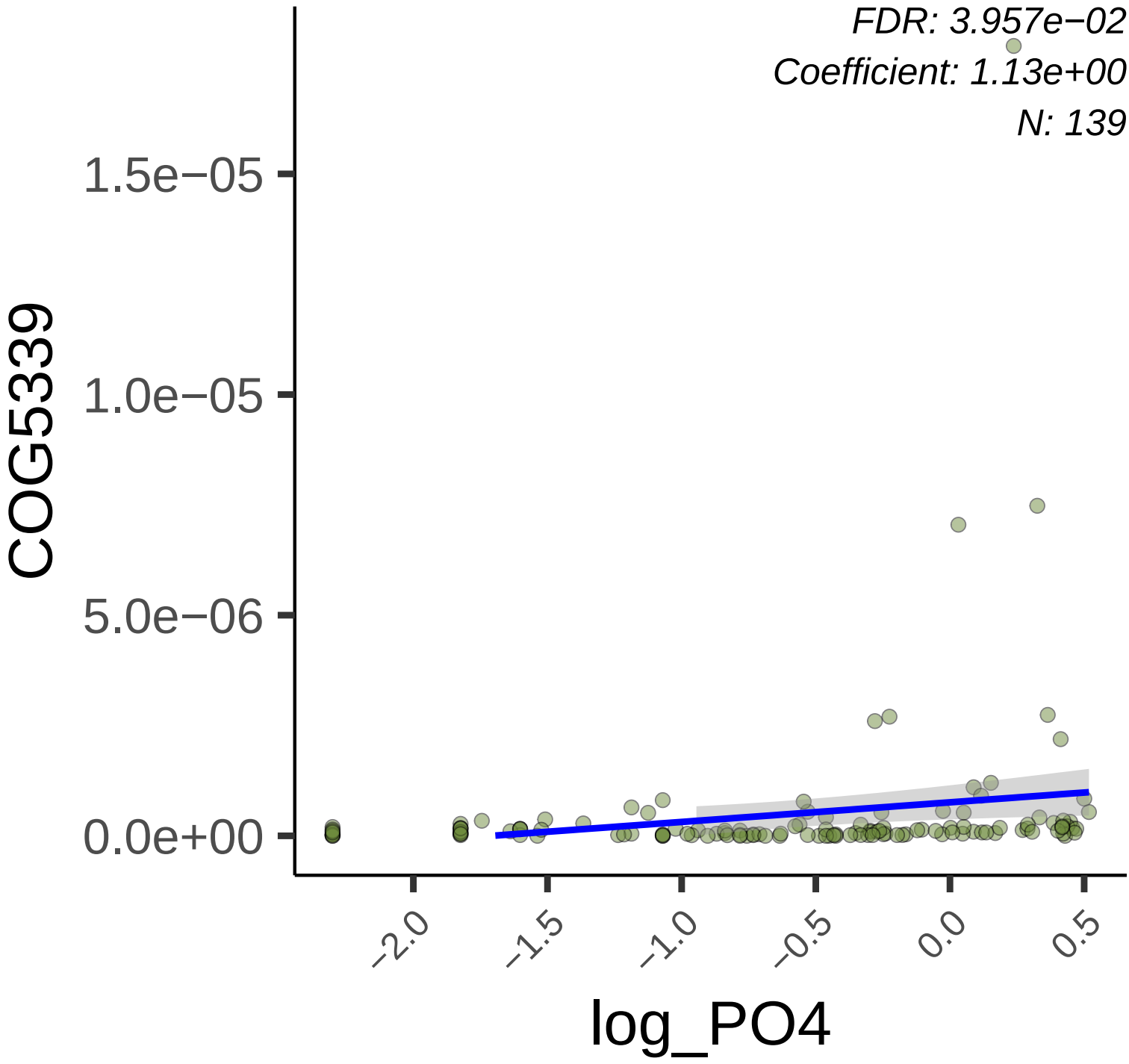
log_PO4


FDR: 3.957e−02
Coefficient: 1.13e+00
N: 139
COG5339
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1.0e−05
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0.0e+00
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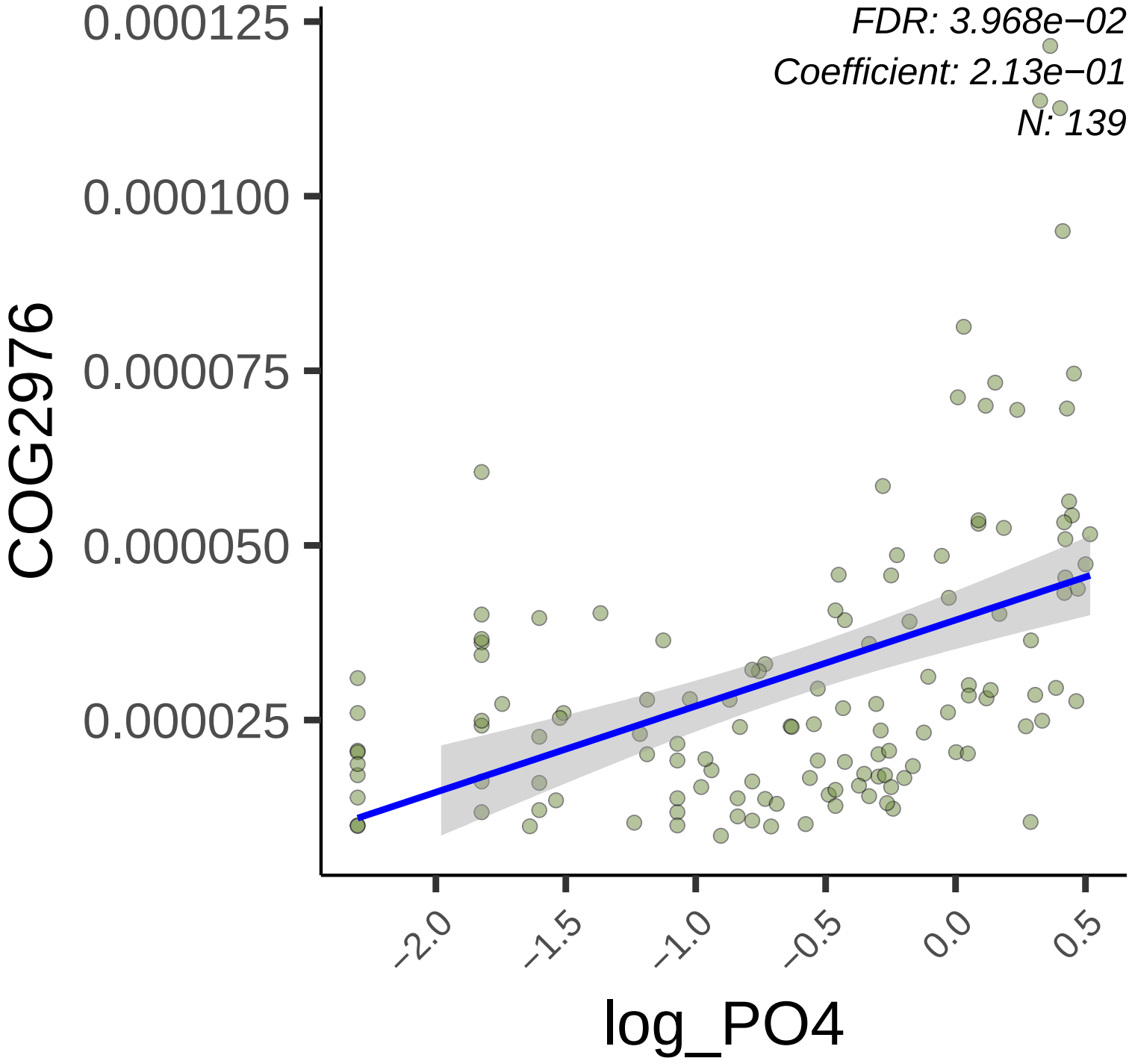
log_PO4


FDR: 3.968e−02
Coefficient: 2.13e−01
N: 139
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COG2976
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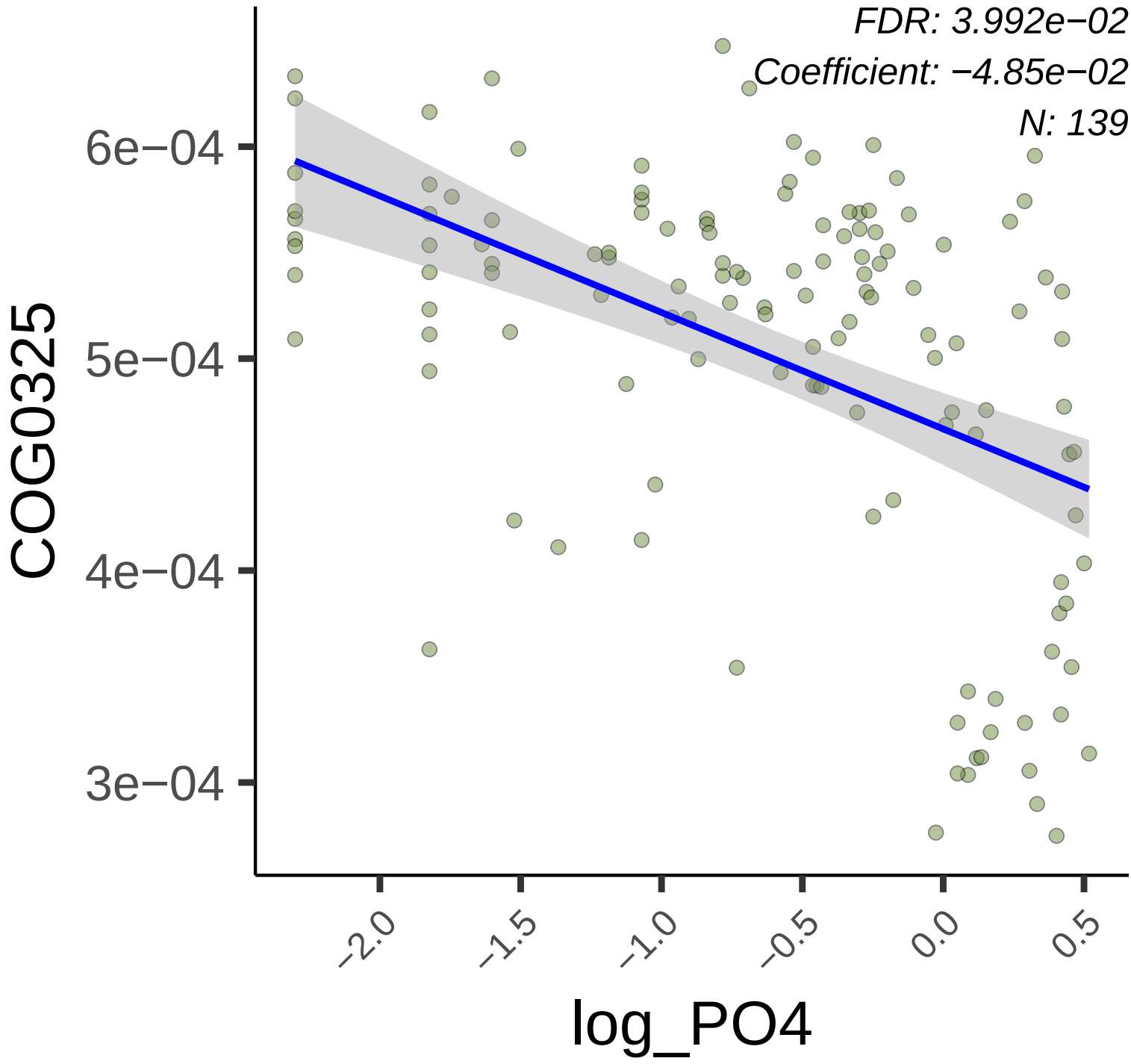
log_PO4


FDR: 3.992e−02
Coefficient: −4.85e−02
N: 139
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COG0325
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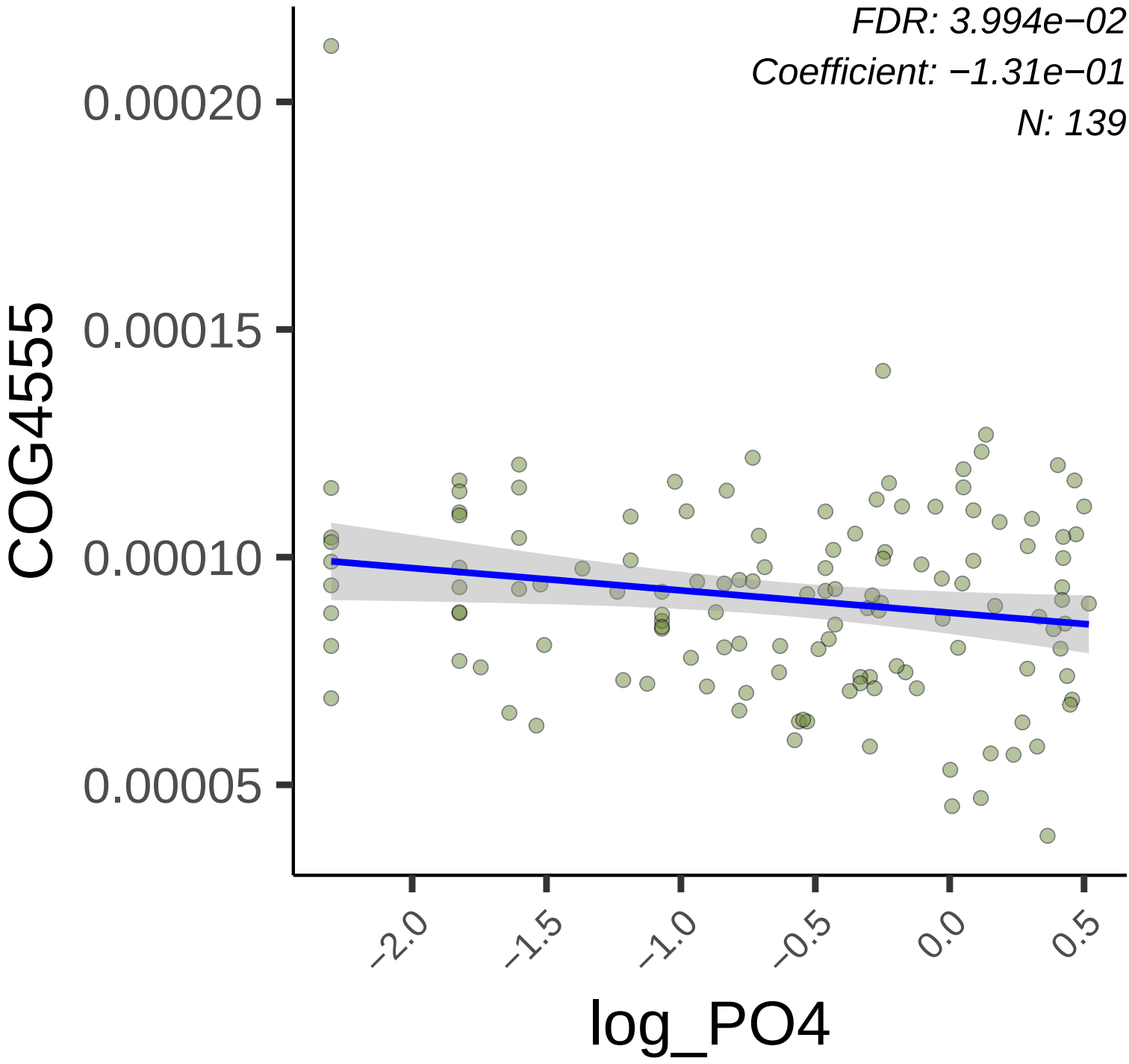
log_PO4


FDR: 3.994e−02
Coefficient: −1.31e−01
N: 139
COG4555
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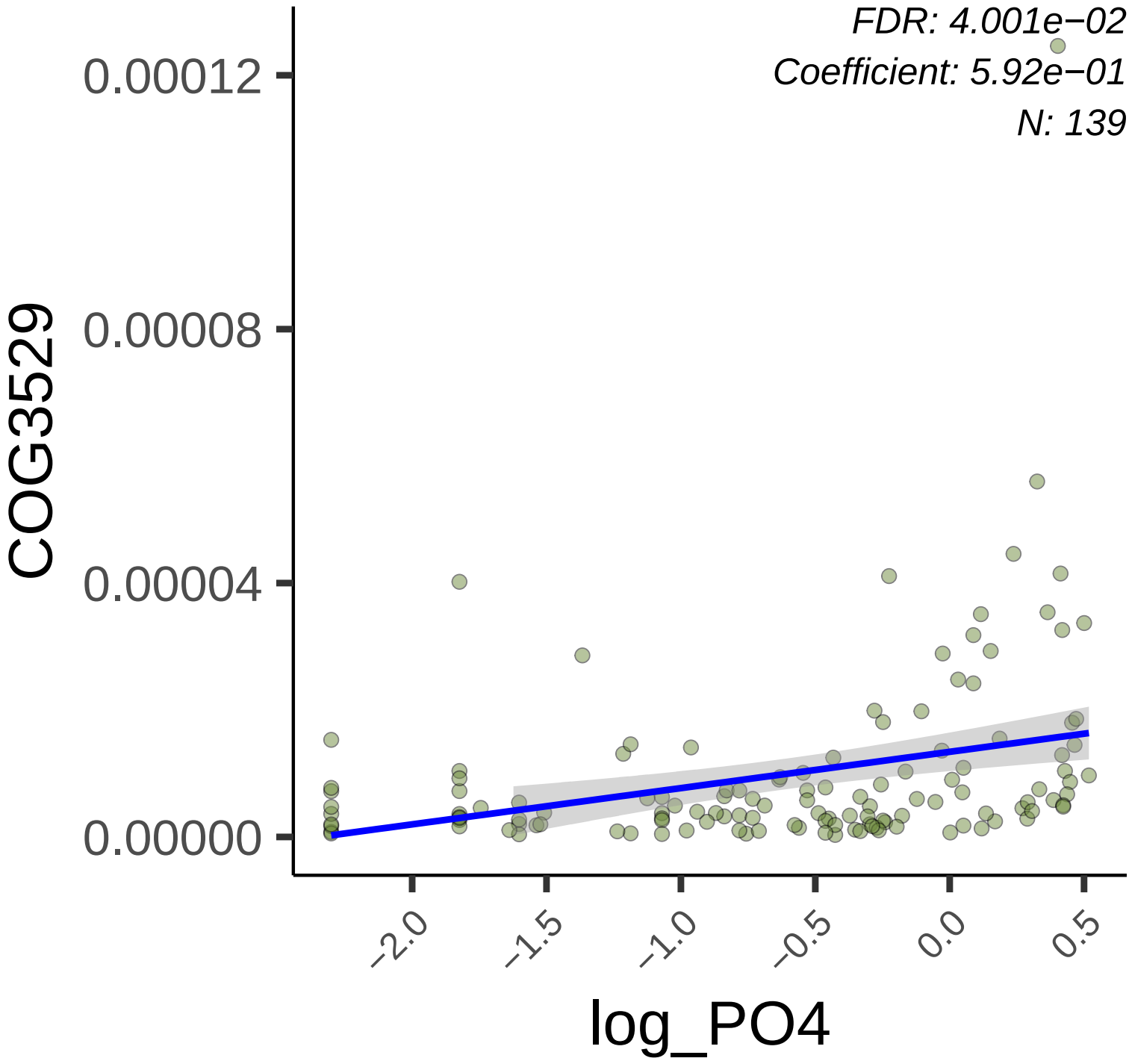
log_PO4


FDR: 4.001e−02
Coefficient: 5.92e−01
N: 139
COG3529
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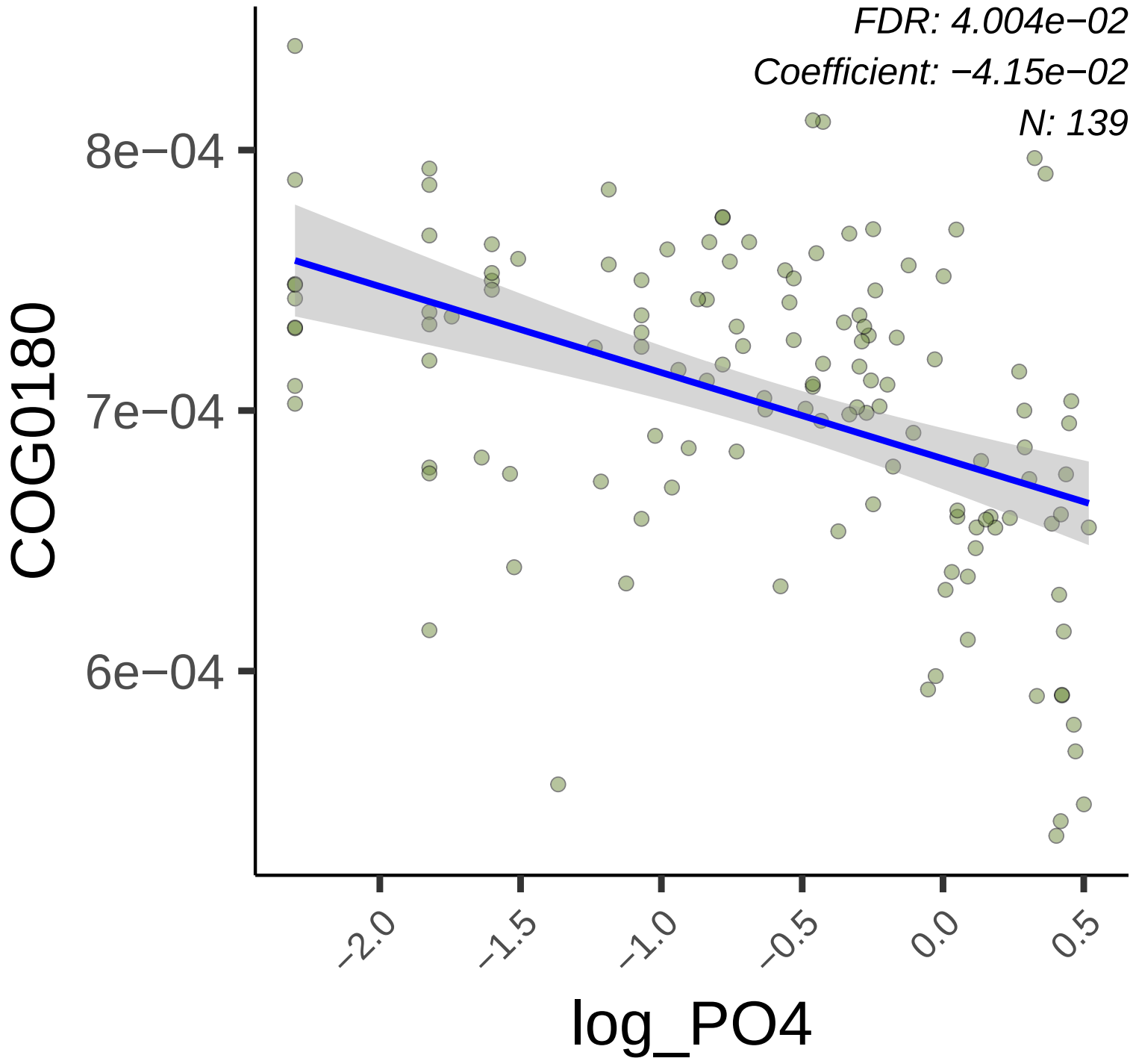
log_PO4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Coefficient: −4.15e−02
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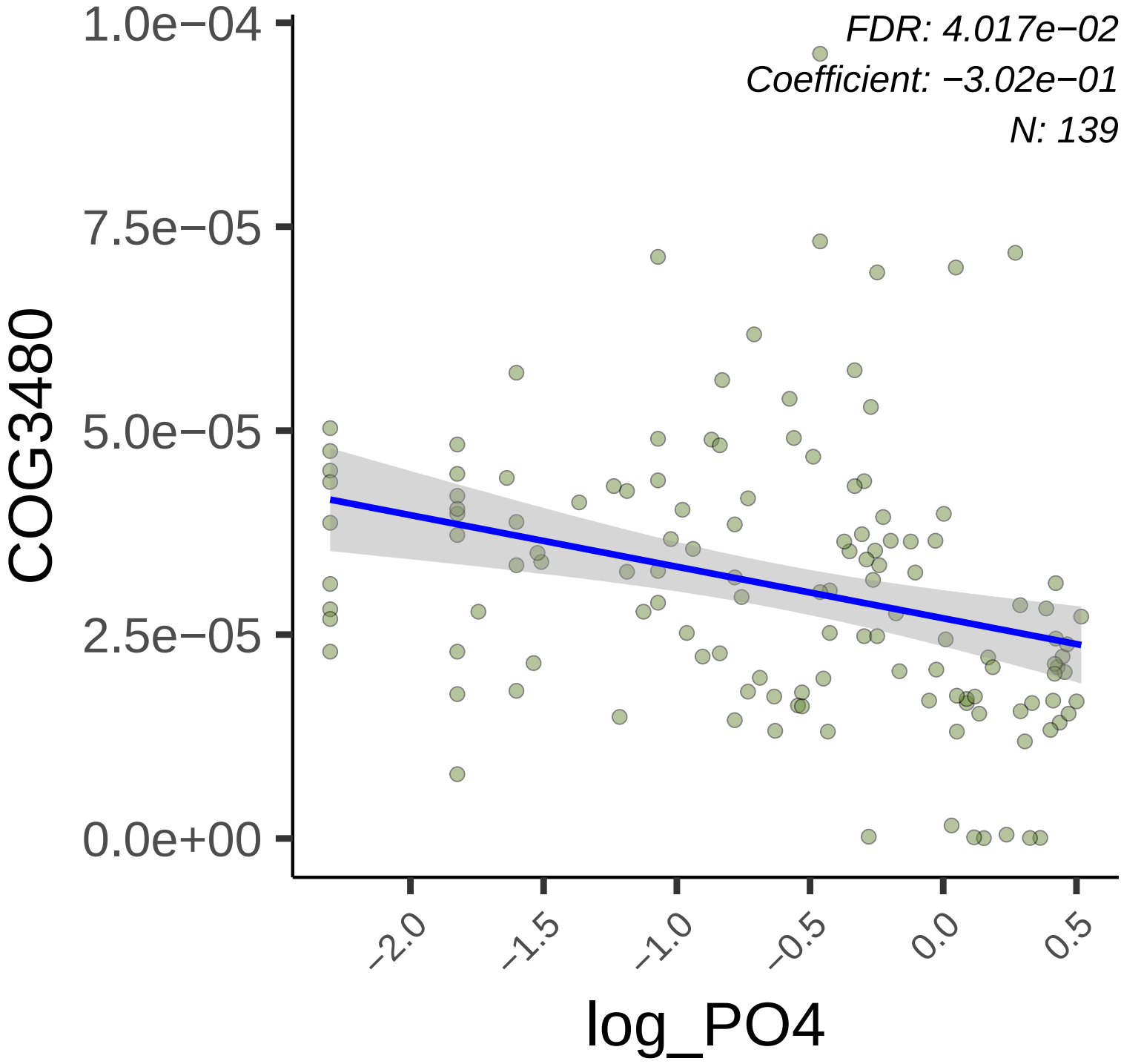
log_PO4


FDR: 4.017e−02
Coefficient: −3.02e−01
N: 139
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7.5e−05
5.0e−05
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COG3480
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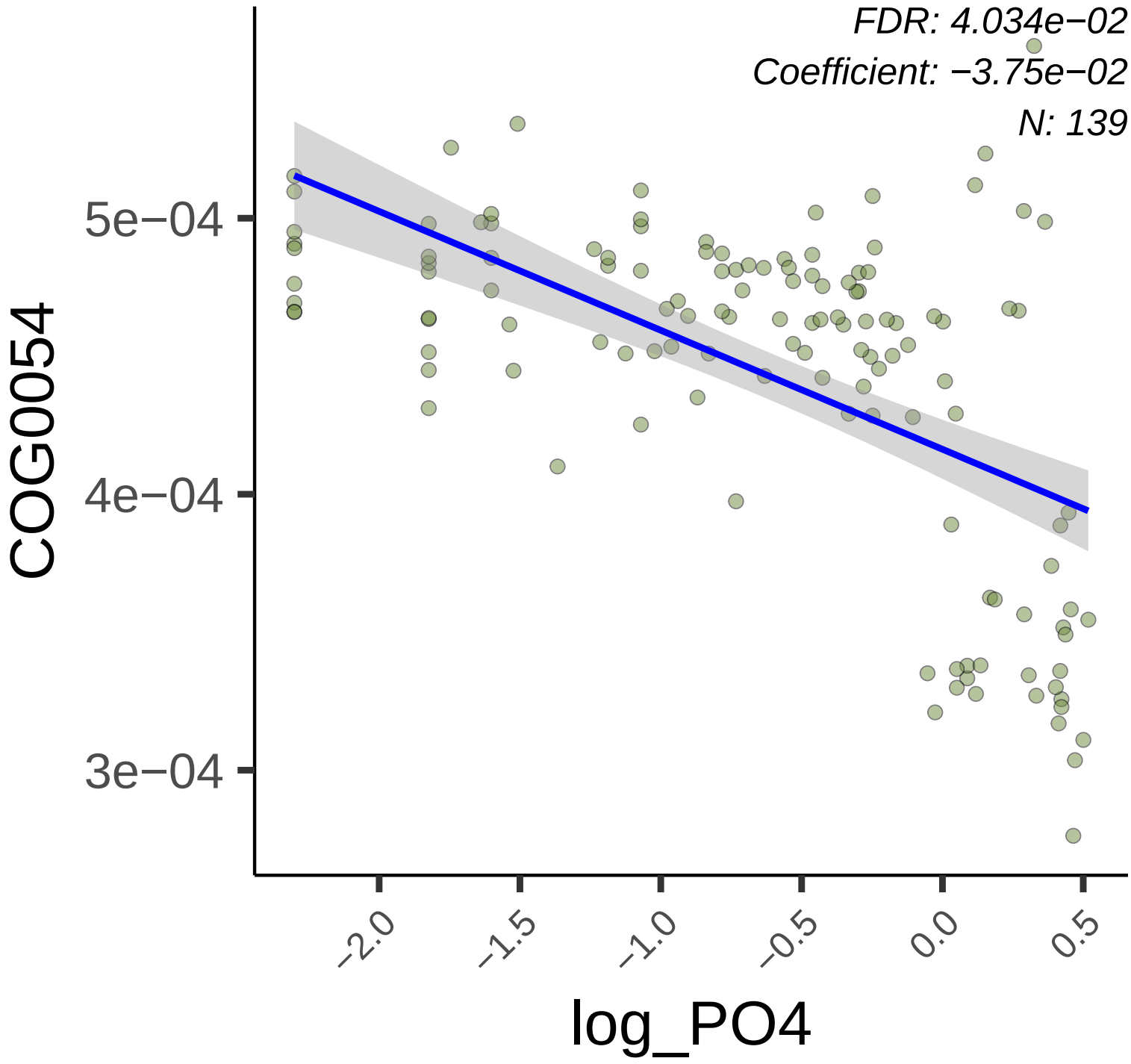
log_PO4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Coefficient: −3.75e−02
N: 139
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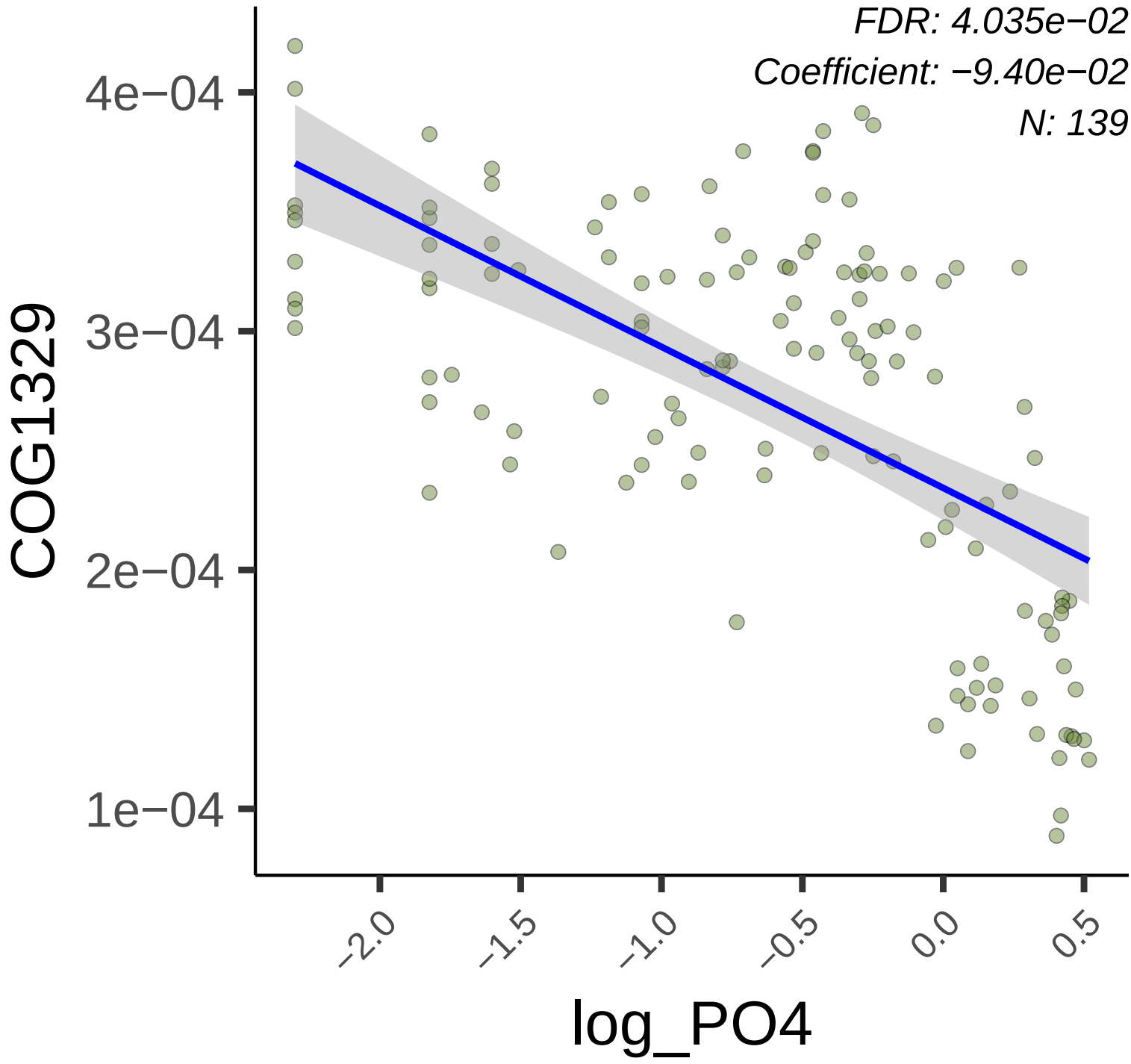
log_PO4


FDR: 4.035e−02
Coefficient: −9.40e−02
N: 139
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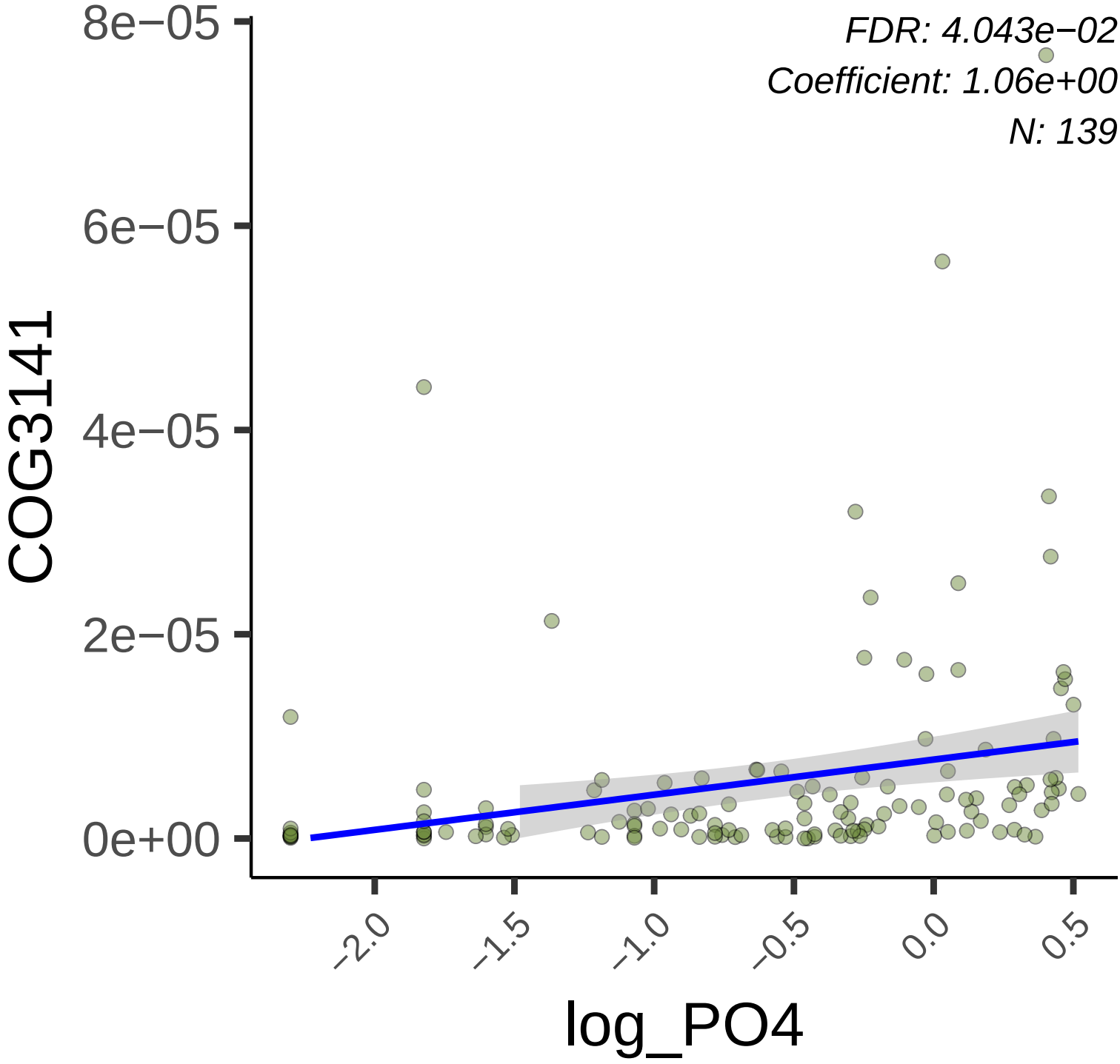
log_PO4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Coefficient: 1.06e+00
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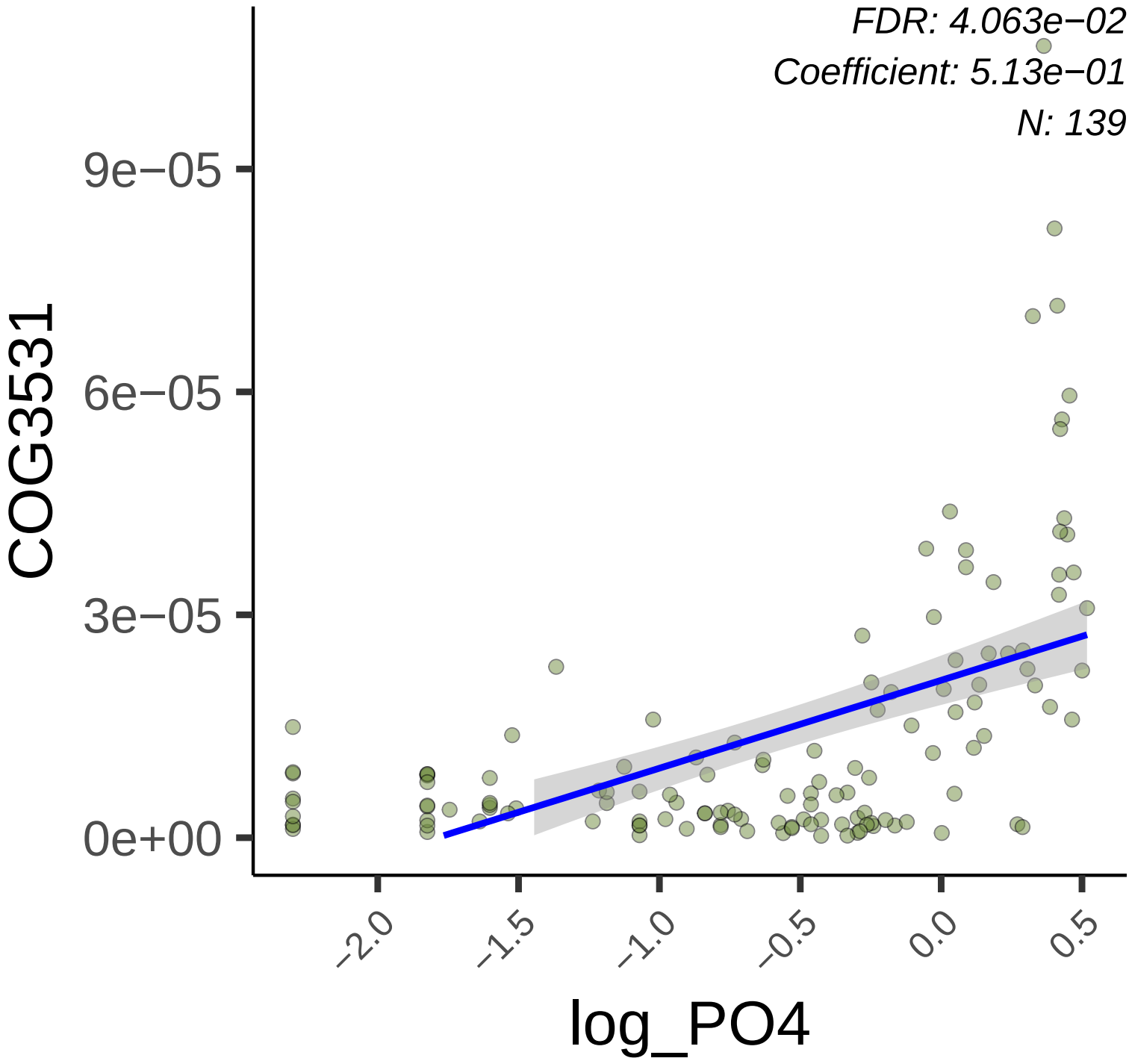
log_PO4


FDR: 4.063e−02
Coefficient: 5.13e−01
N: 139
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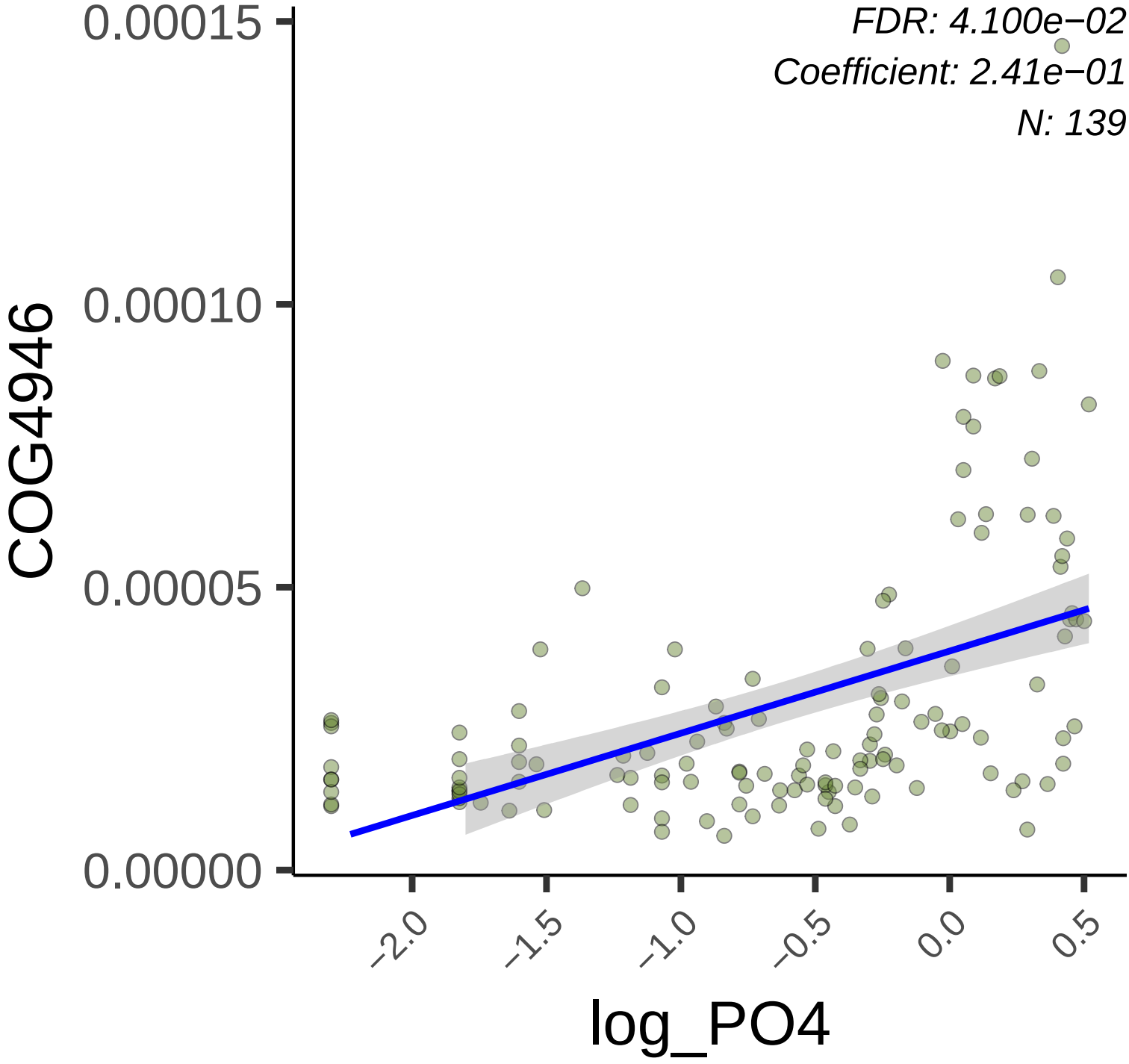
log_PO4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Coefficient: 2.41e−01
N: 139
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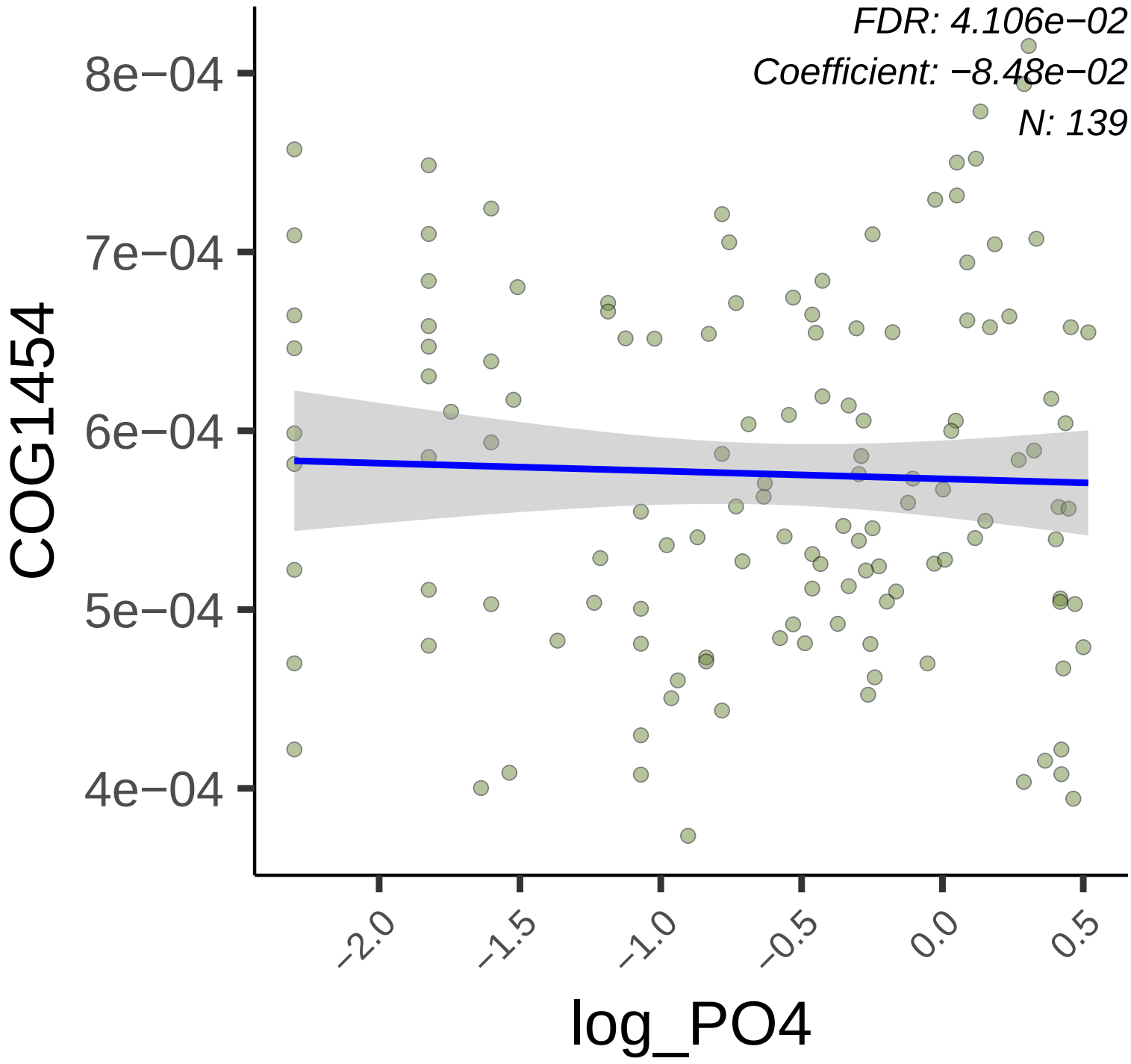
log_PO4


FDR: 4.106e−02
Coefficient: −8.48e−02
N: 139
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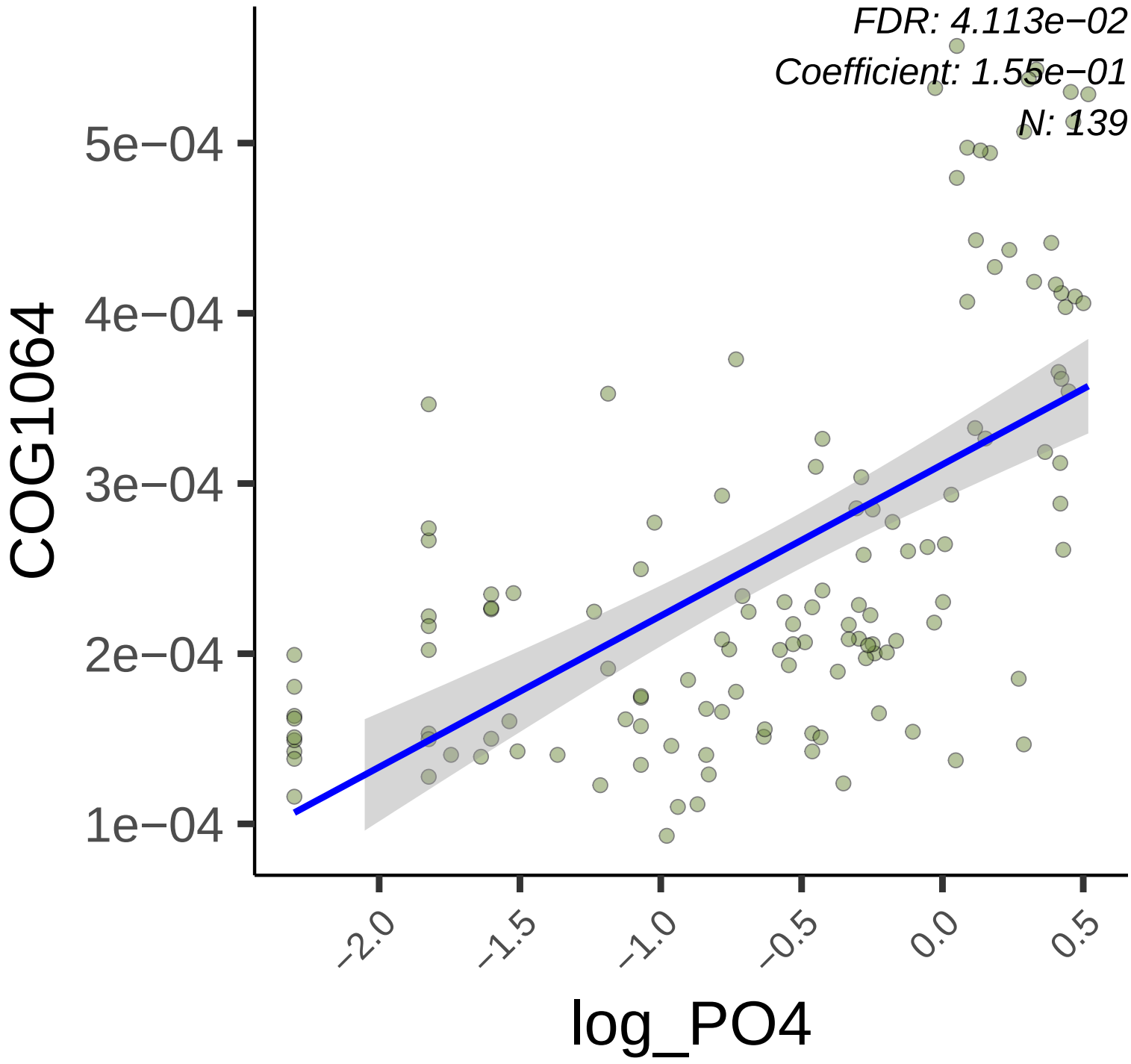
log_PO4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Coefficient: 1.55e−01
N: 139
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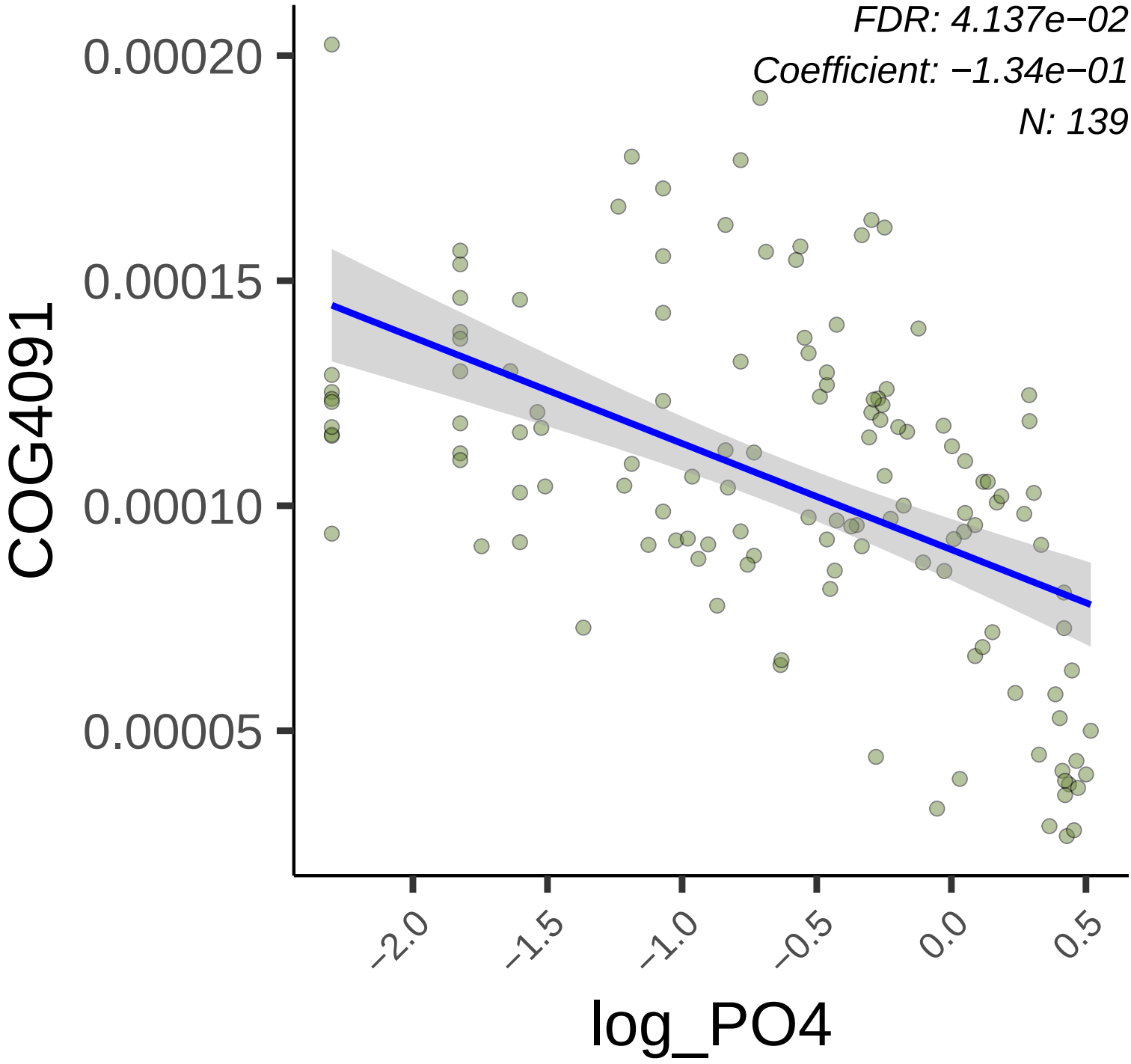
log_PO4


FDR: 4.137e−02
Coefficient: −1.34e−01
N: 139
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COG4091
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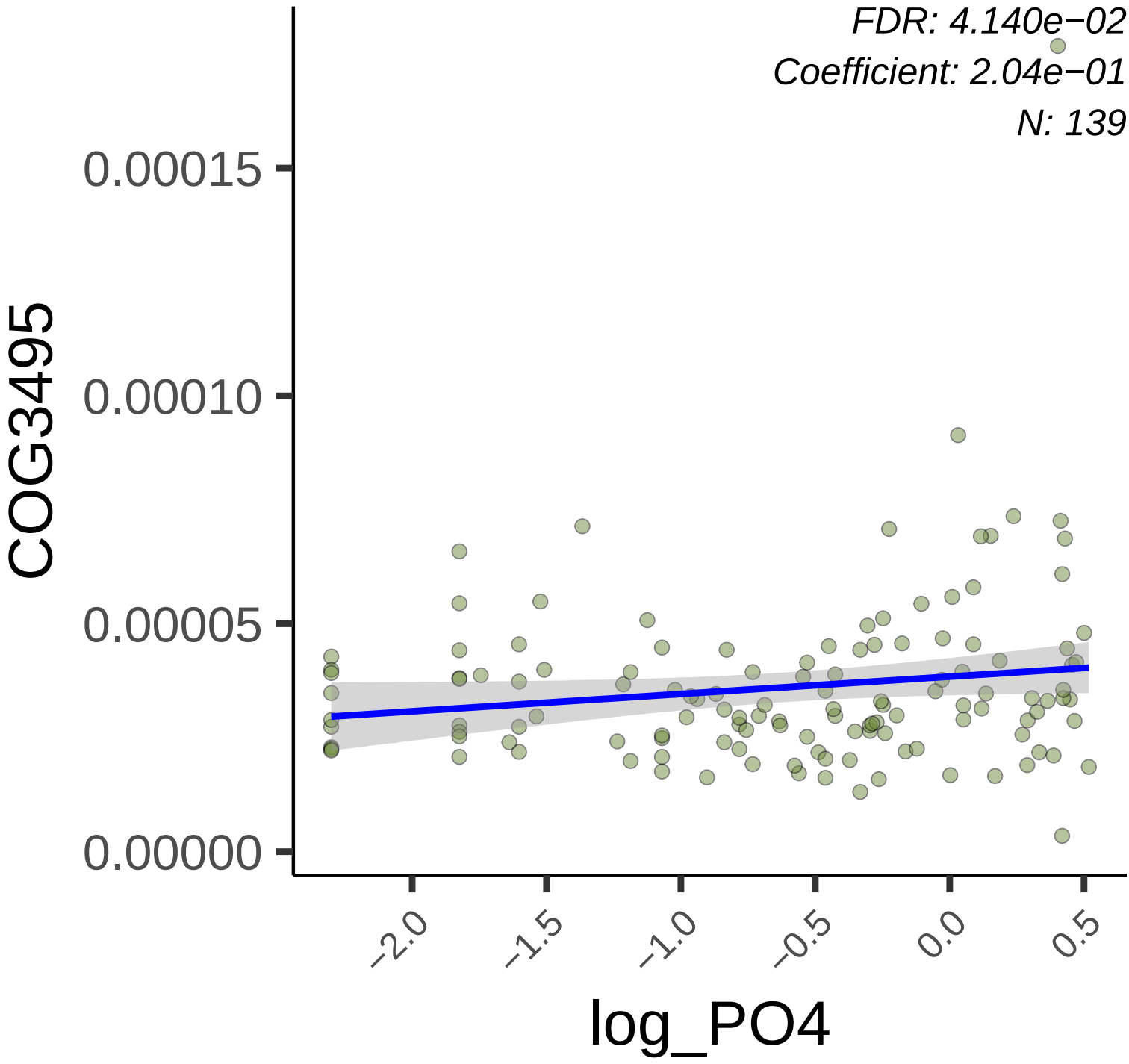
log_PO4


FDR: 4.140e−02
Coefficient: 2.04e−01
N: 139
COG3495
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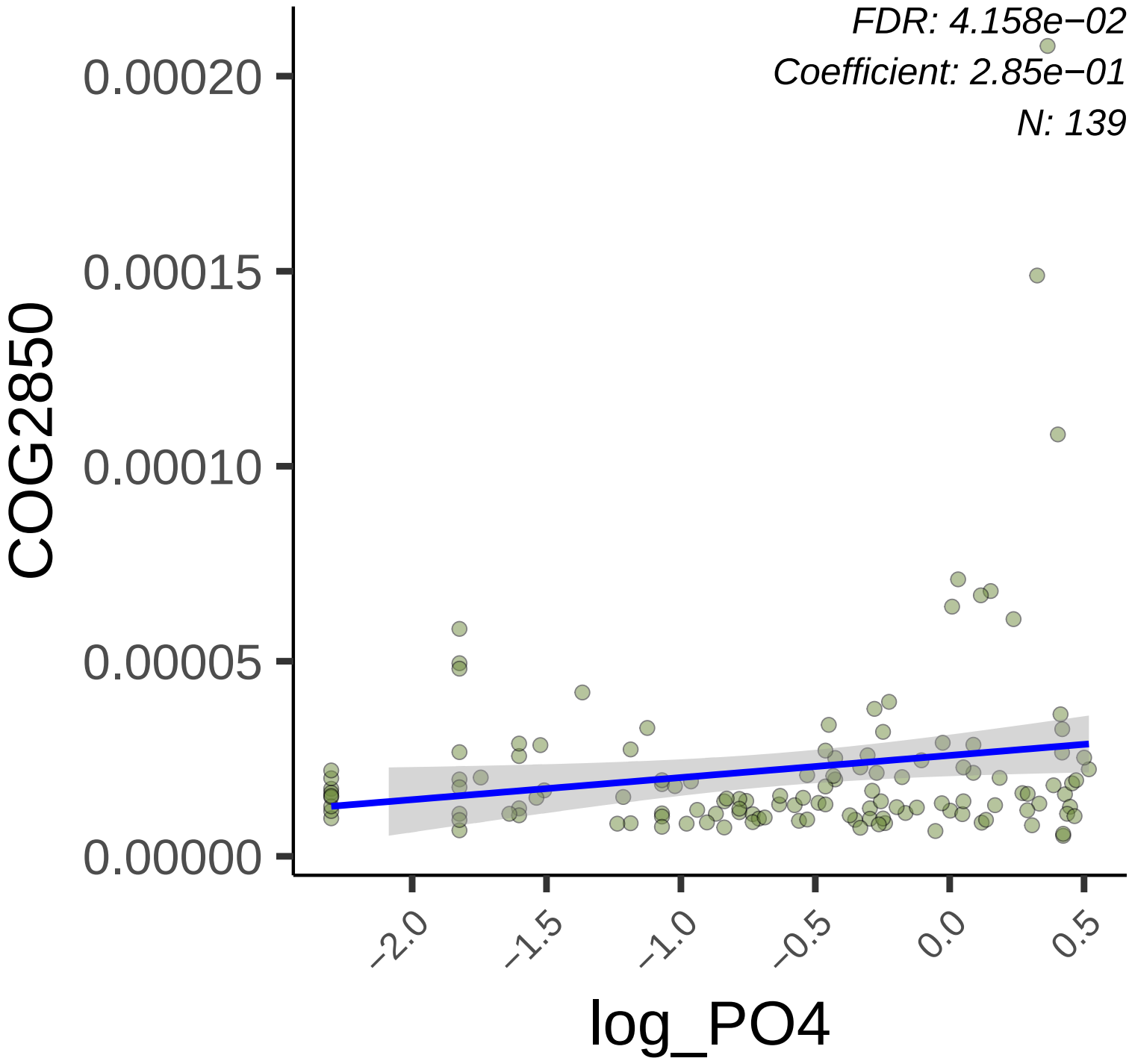
log_PO4


FDR: 4.158e−02
Coefficient: 2.85e−01
N: 139
COG2850
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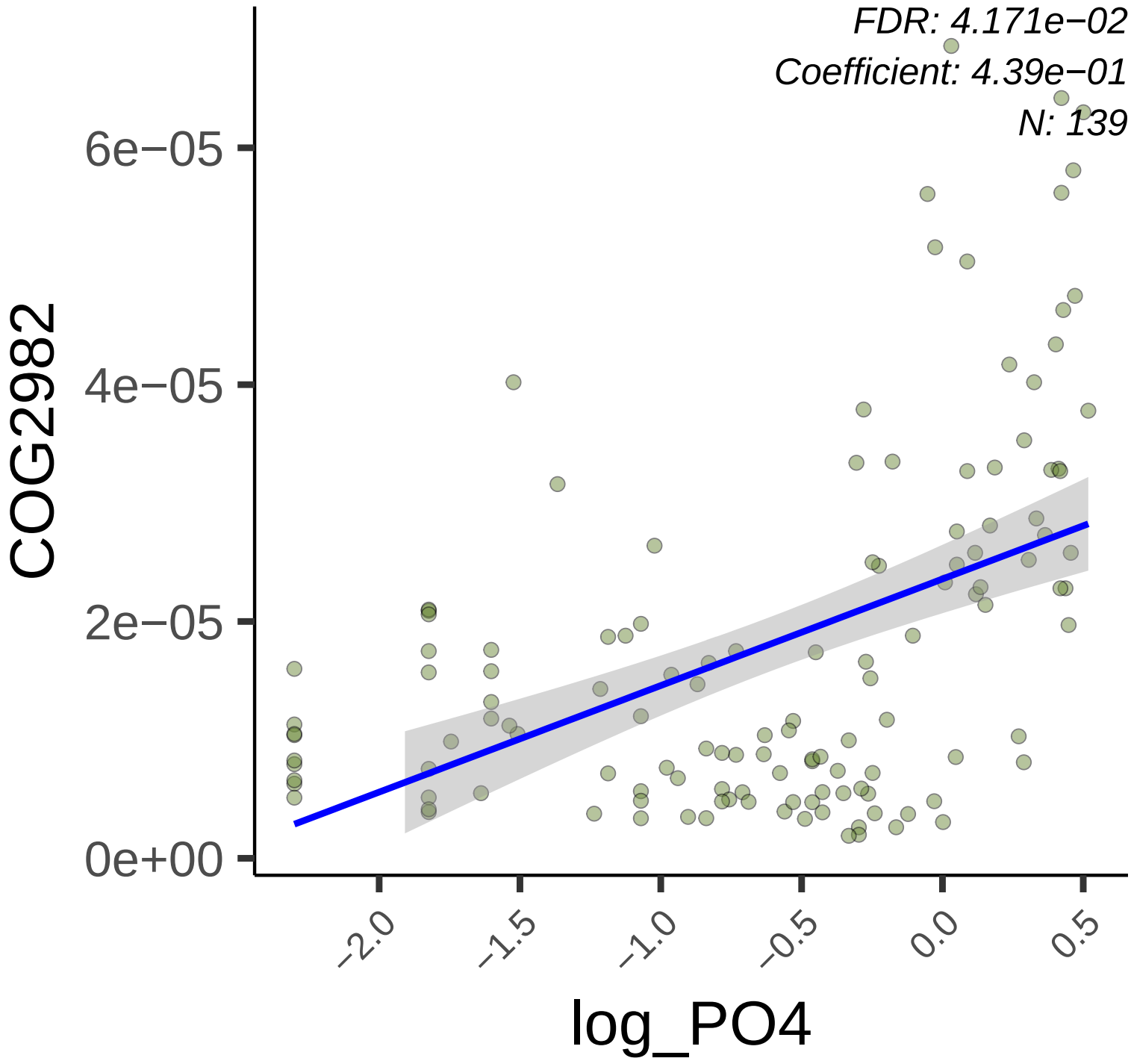
log_PO4


FDR: 4.171e−02
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N: 139
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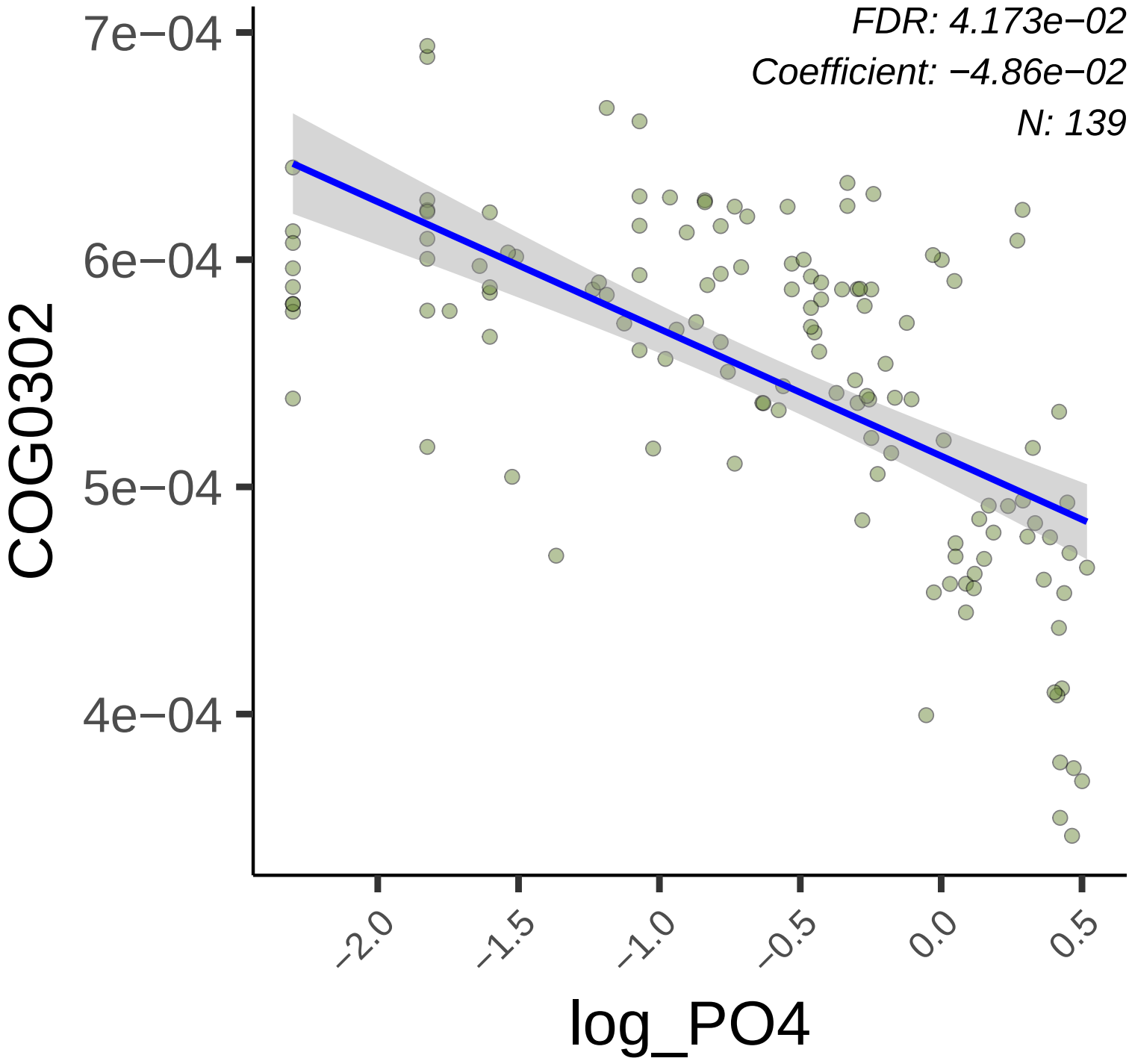
log_PO4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Coefficient: −4.86e−02
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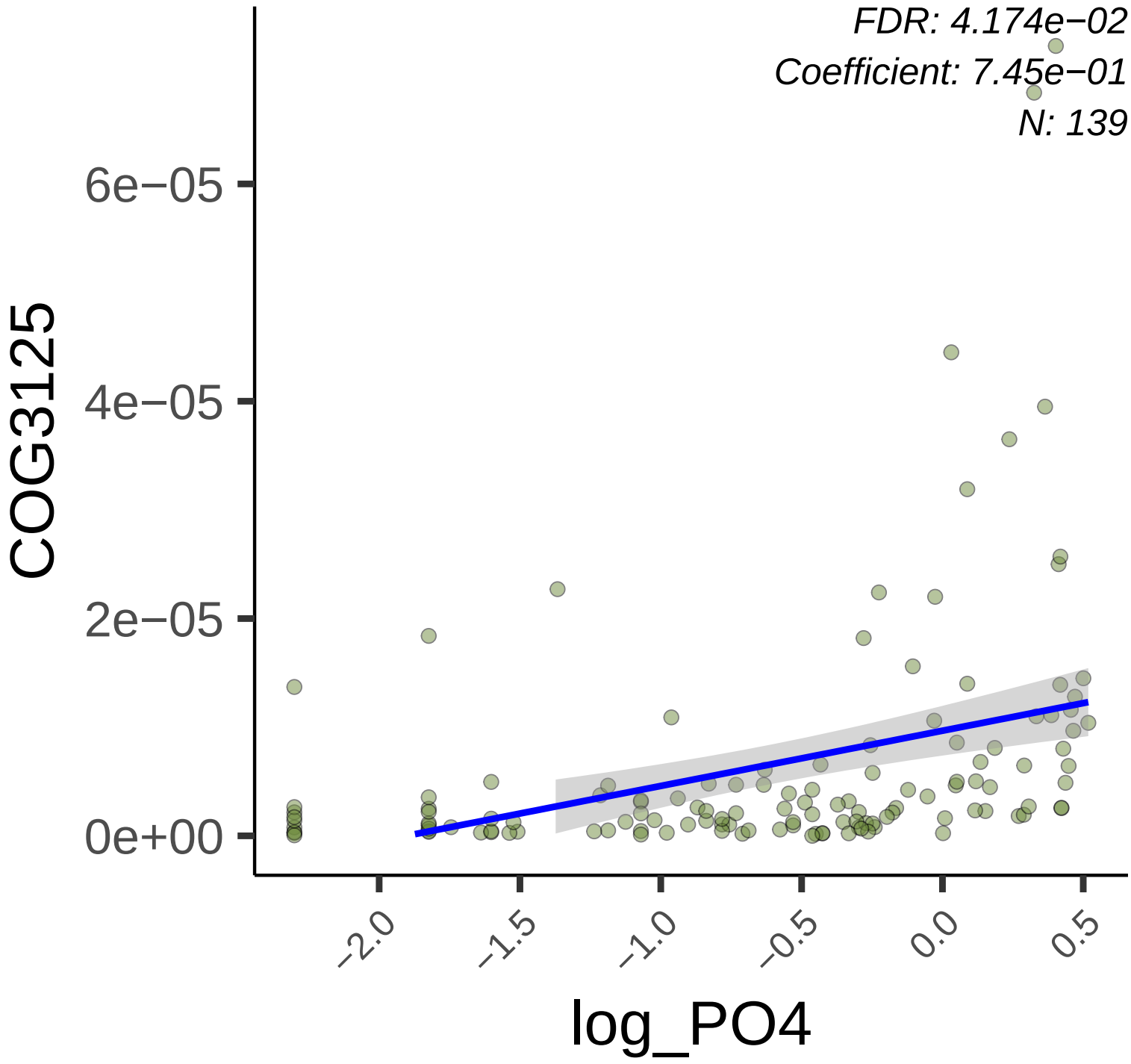
log_PO4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Coefficient: 7.45e−01
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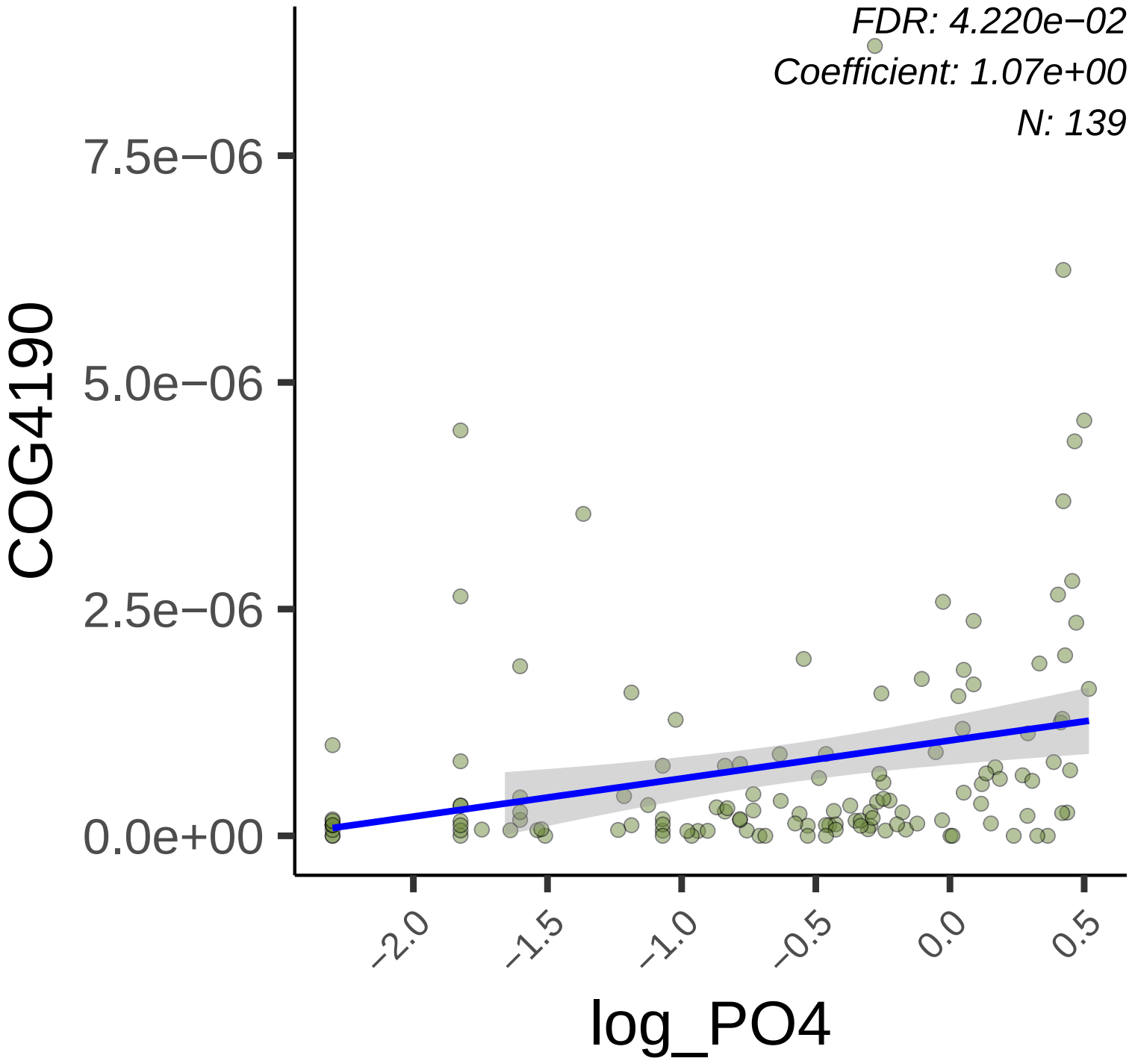
log_PO4


FDR: 4.220e−02
Coefficient: 1.07e+00
N: 139
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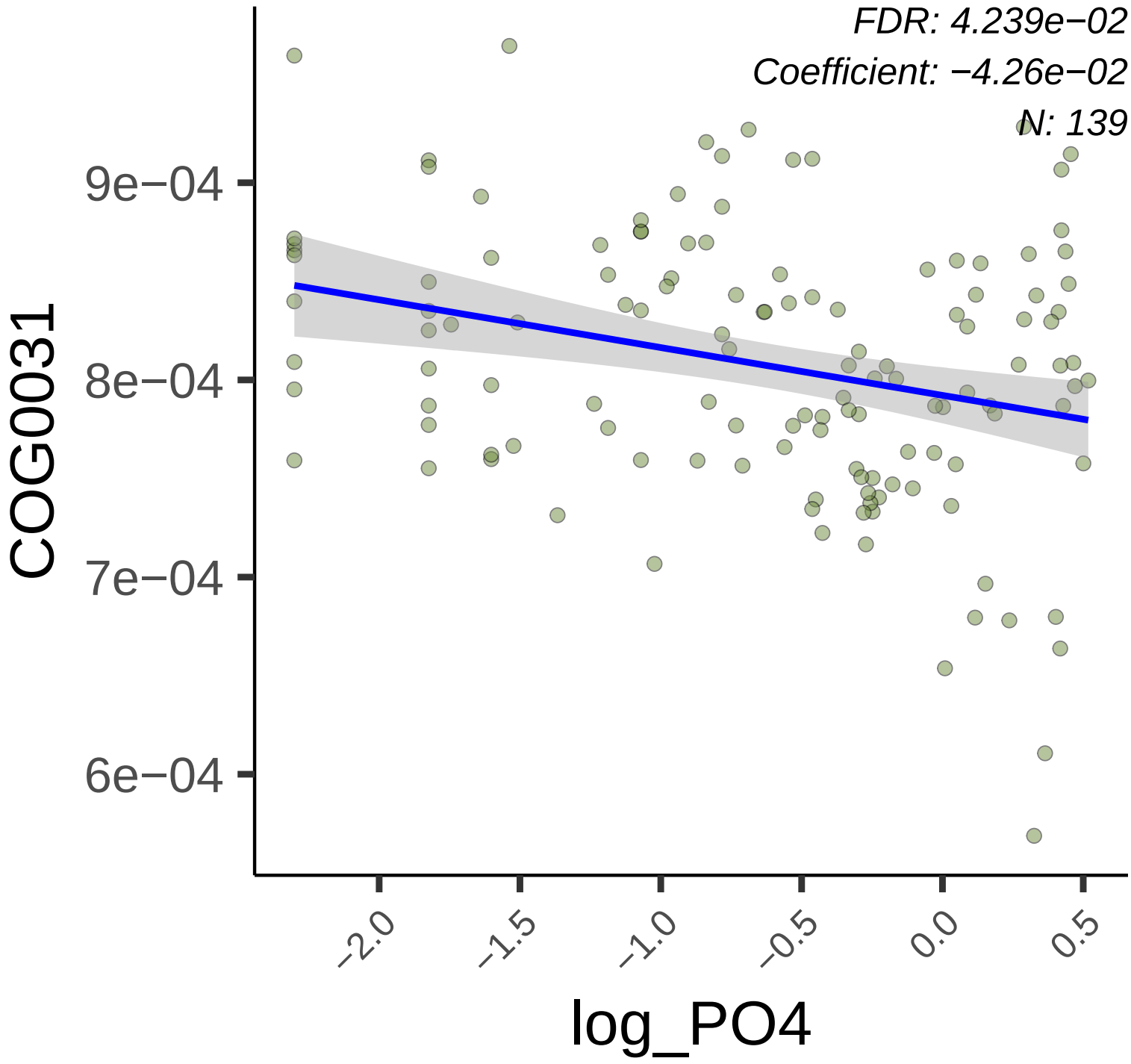
log_PO4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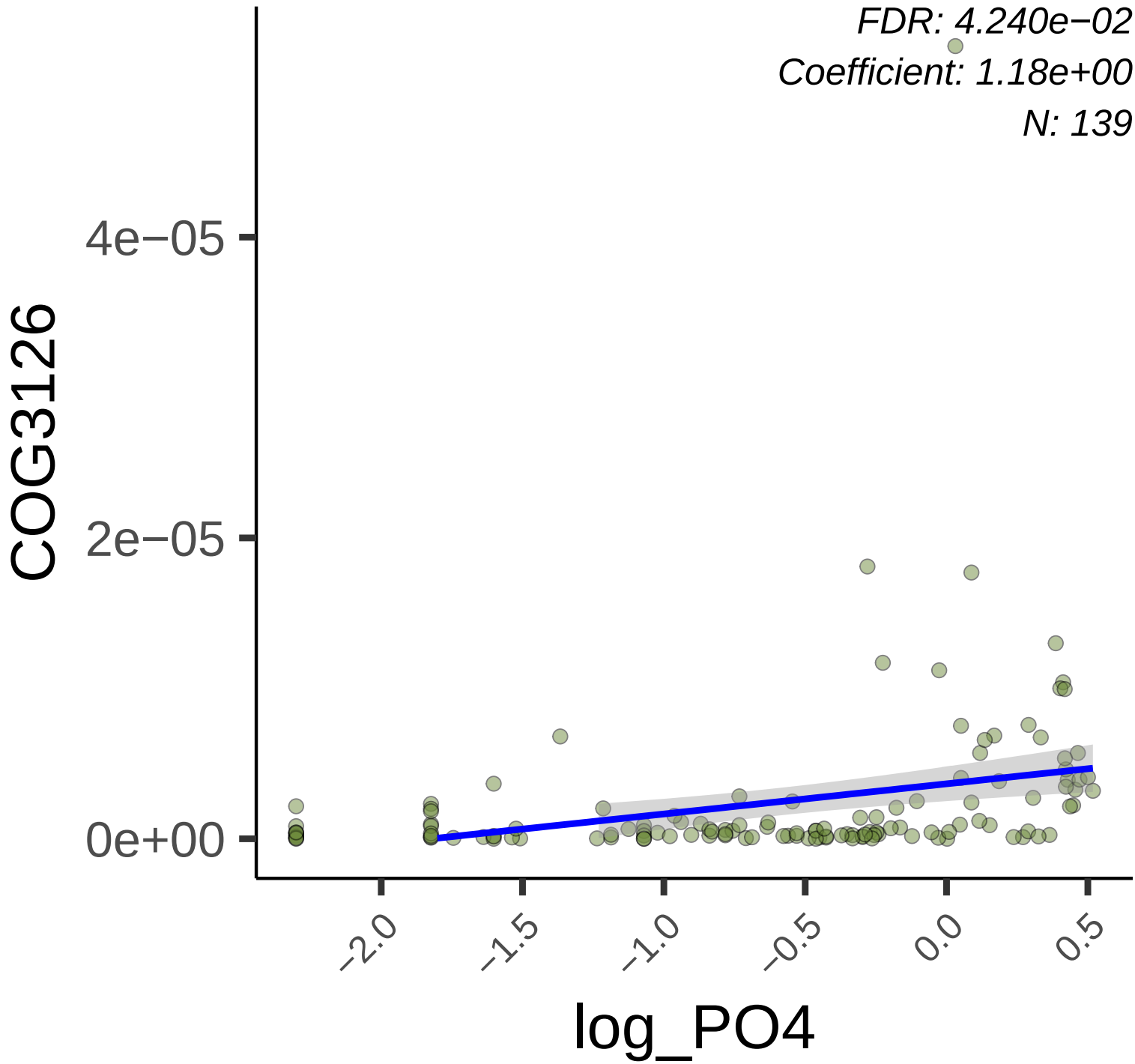
log_PO4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Coefficient: 1.18e+00
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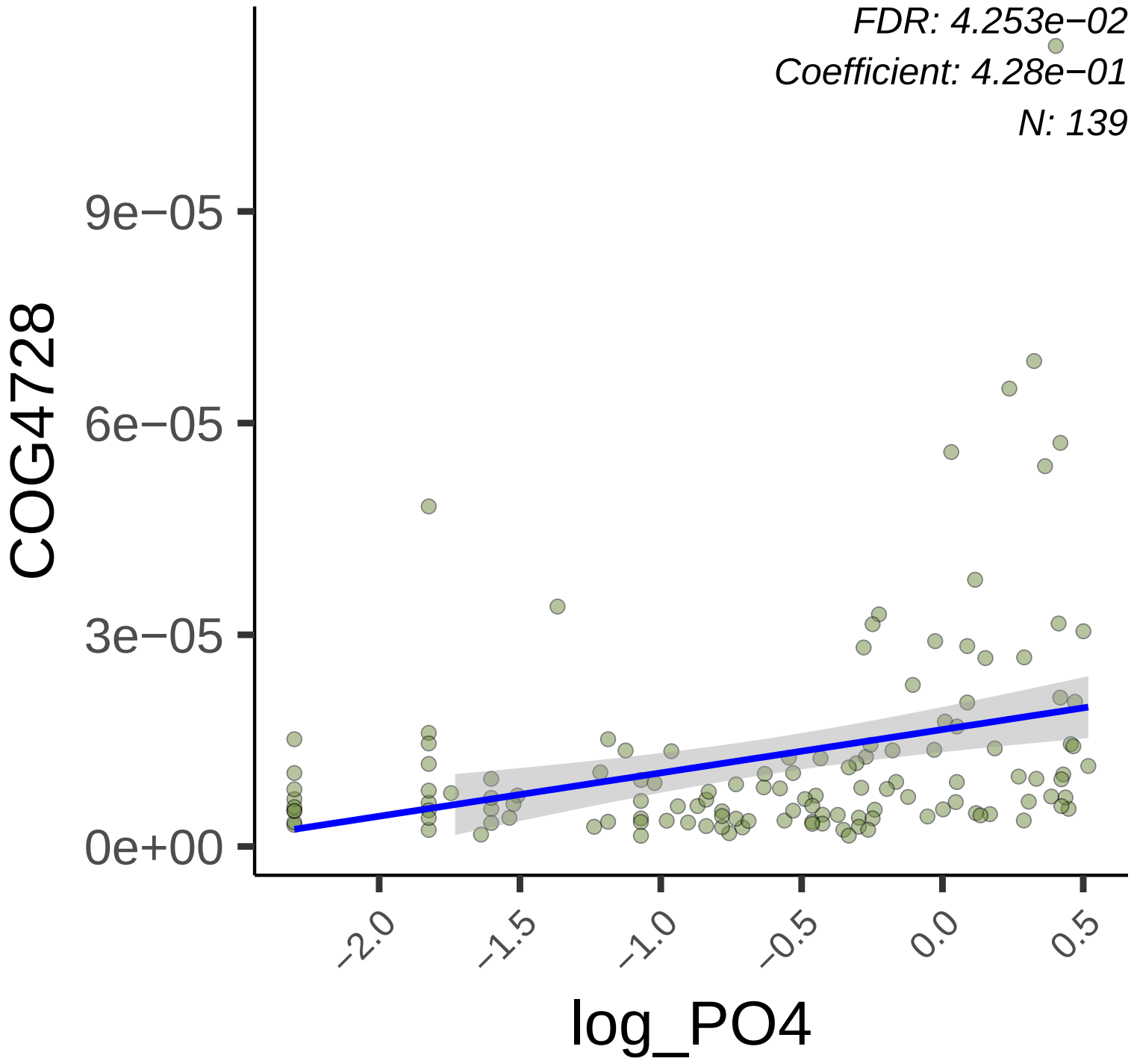
log_PO4


FDR: 4.253e−02
Coefficient: 4.28e−01
N: 139
COG4728
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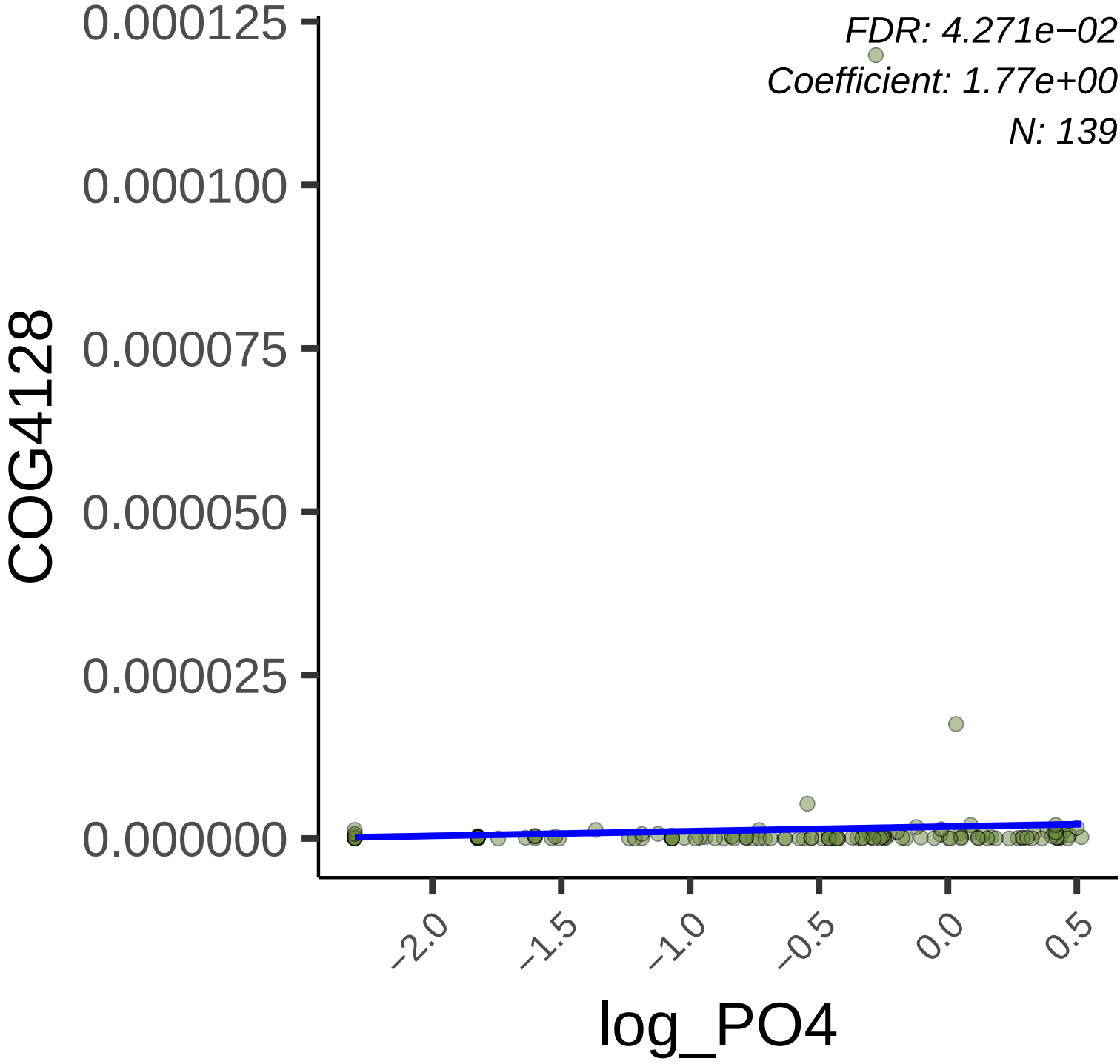
log_PO4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Coefficient: 1.77e+00
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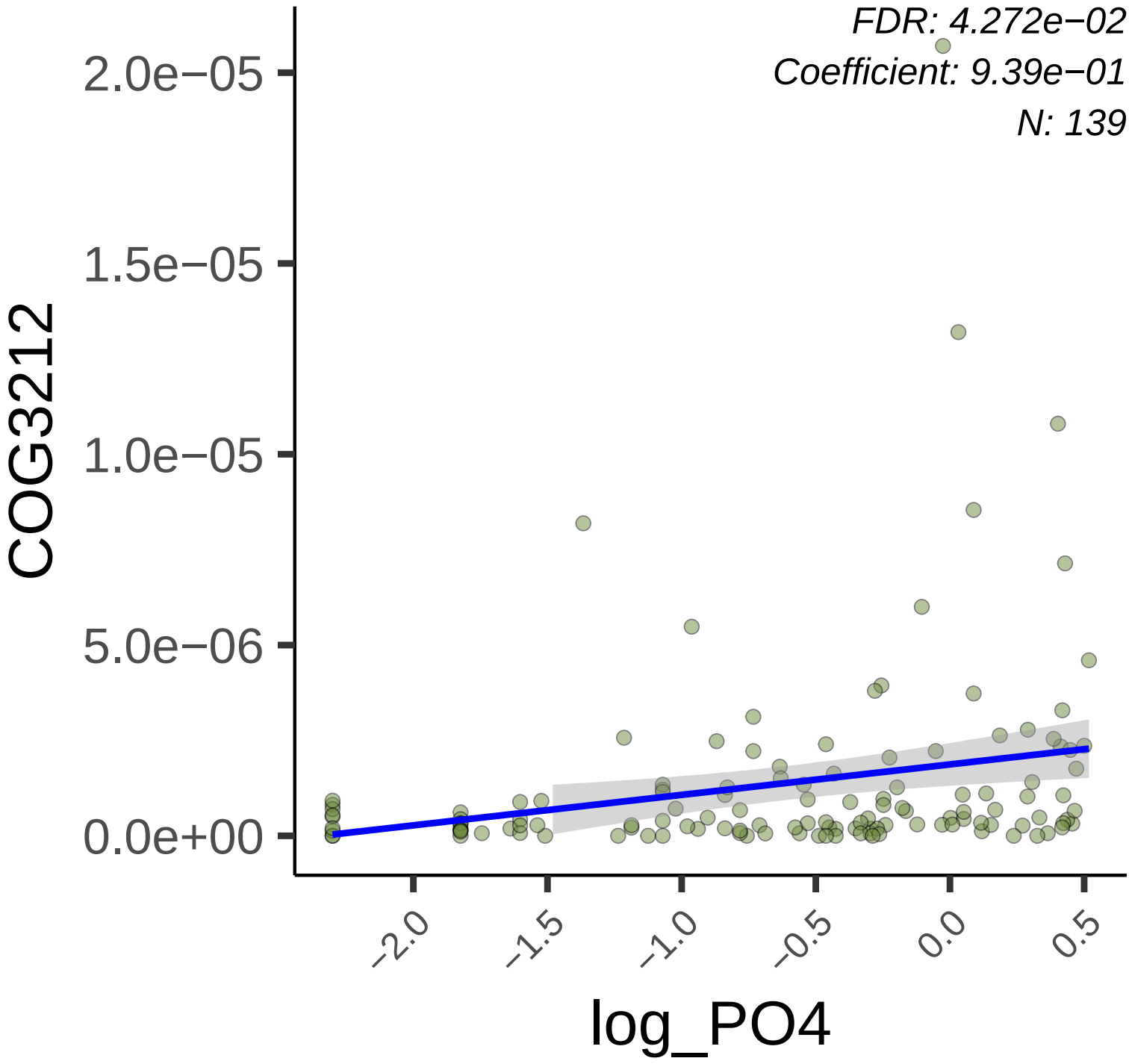
log_PO4


FDR: 4.272e−02
Coefficient: 9.39e−01
N: 139
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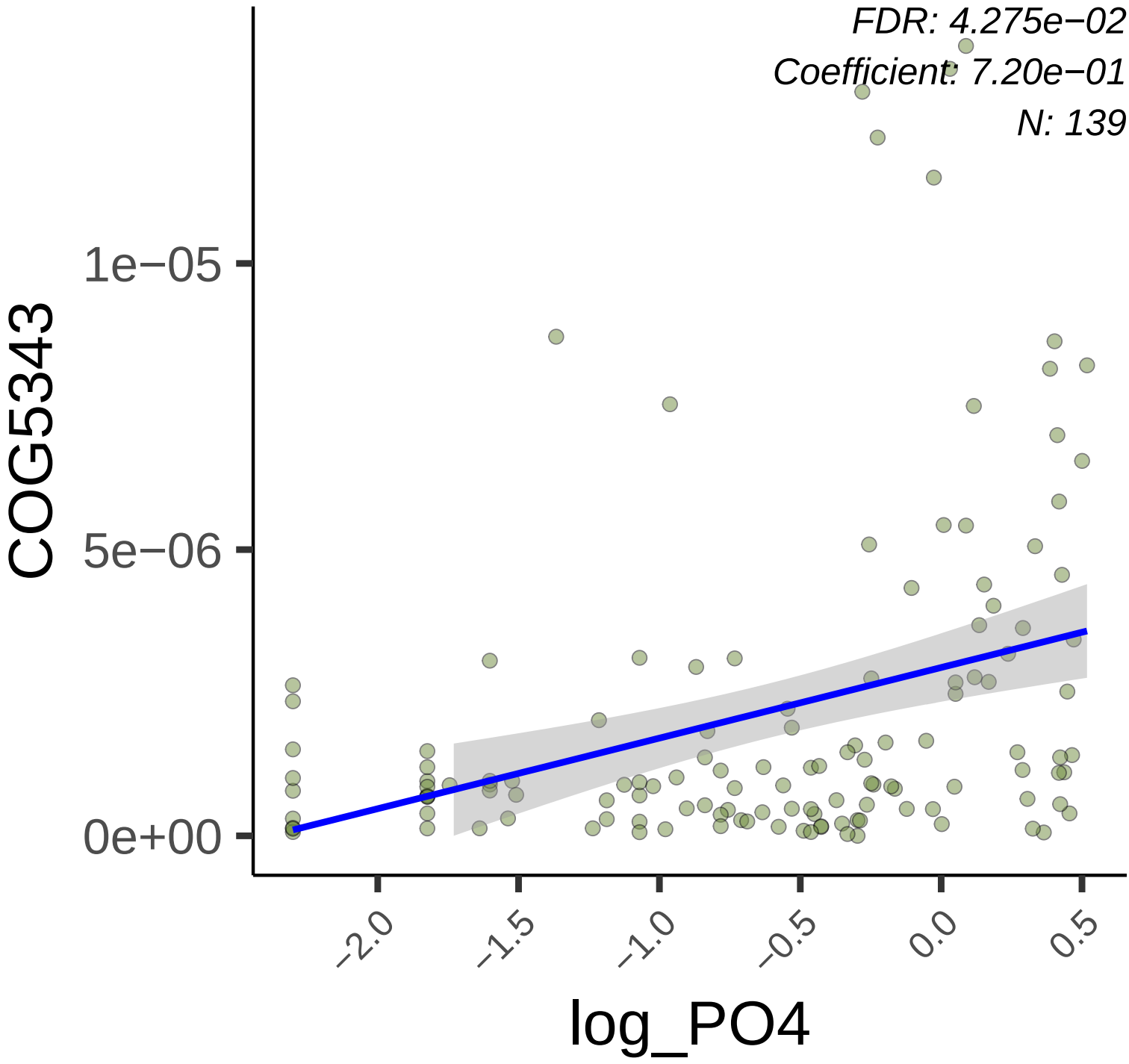
log_PO4


FDR: 4.275e−02
Coefficient: 7.20e−01
N: 139
COG5343
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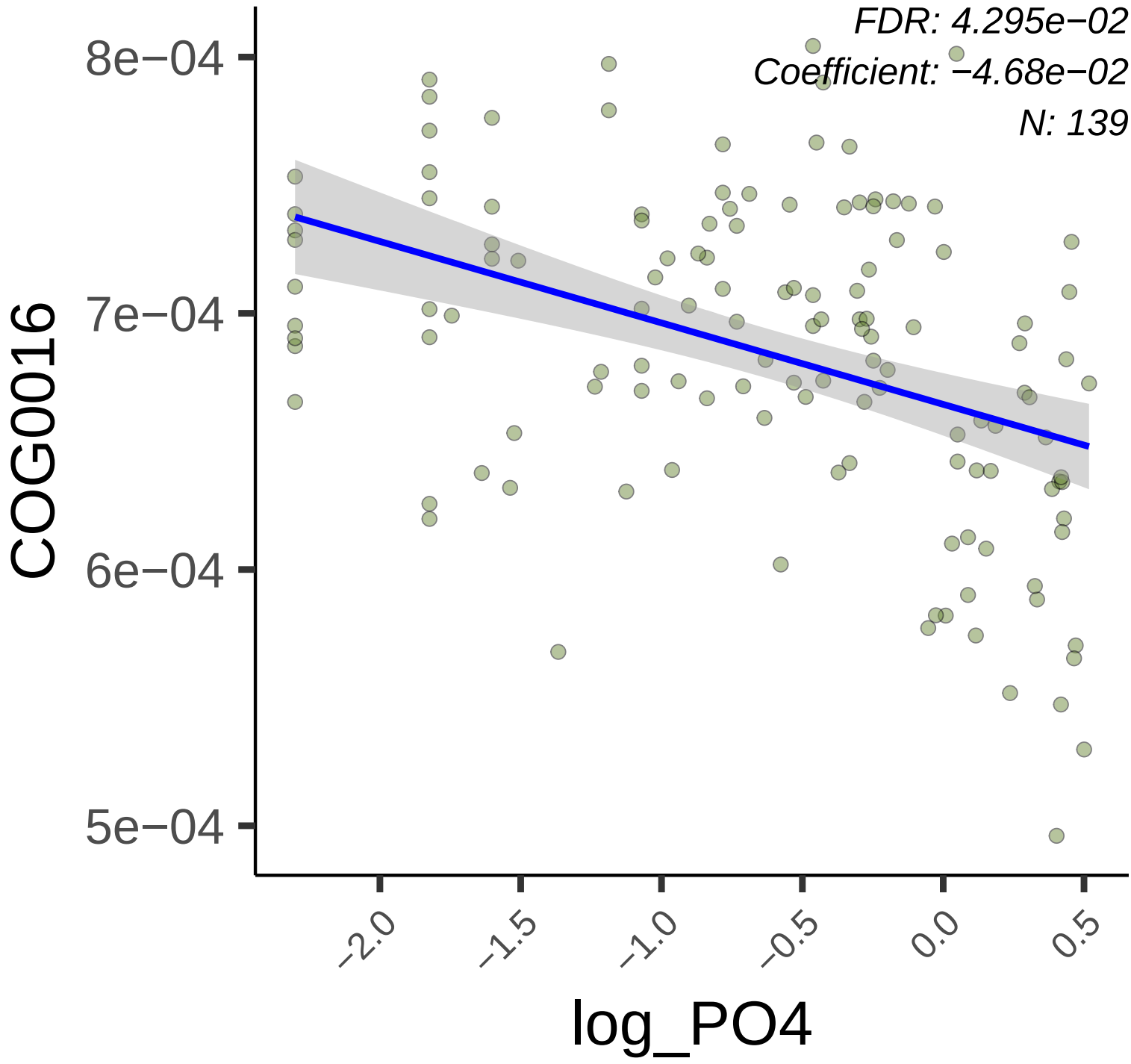
log_PO4


FDR: 4.295e−02
Coefficient: −4.68e−02
N: 139
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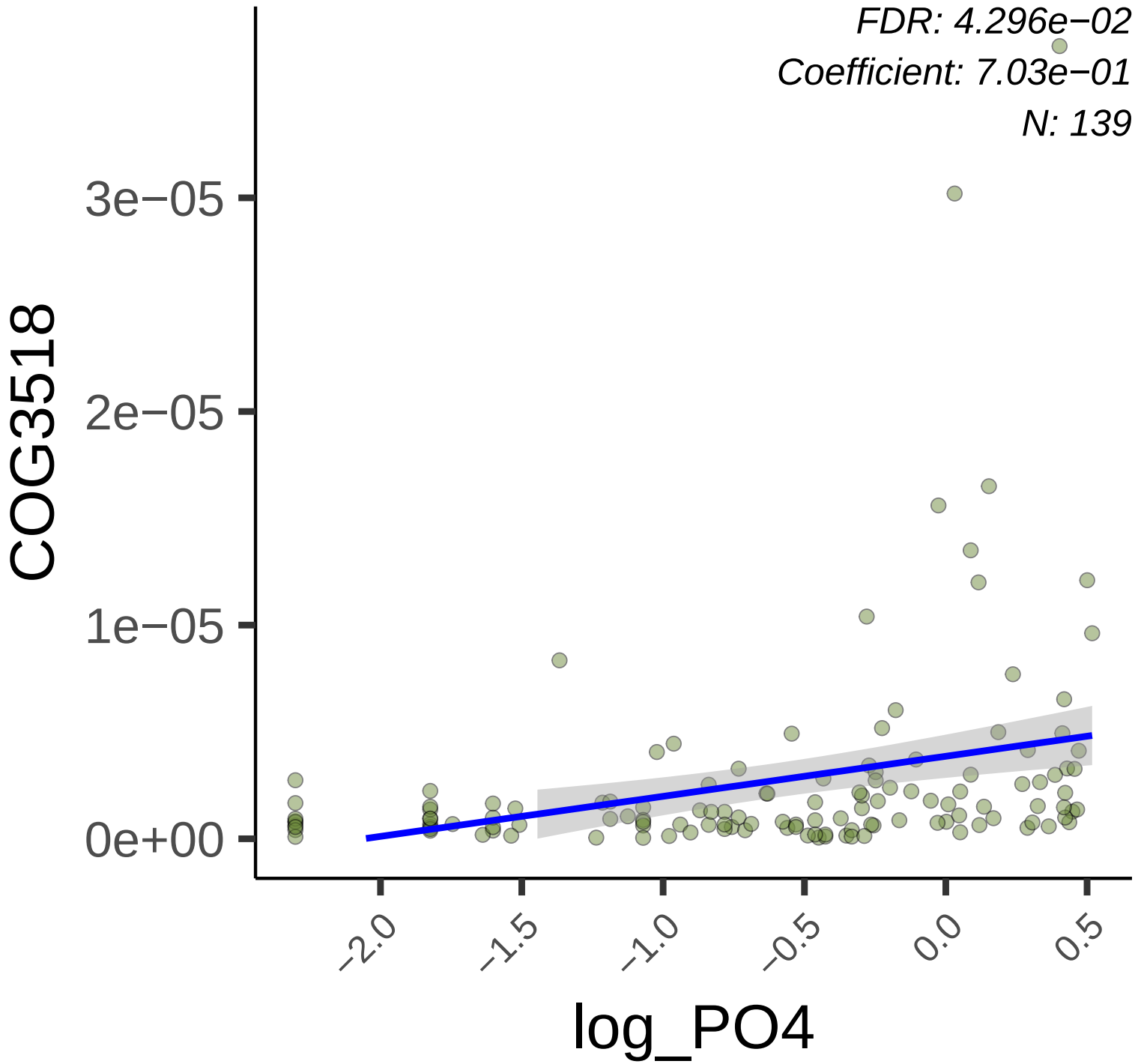
log_PO4


FDR: 4.296e−02
Coefficient: 7.03e−01
N: 139
COG3518
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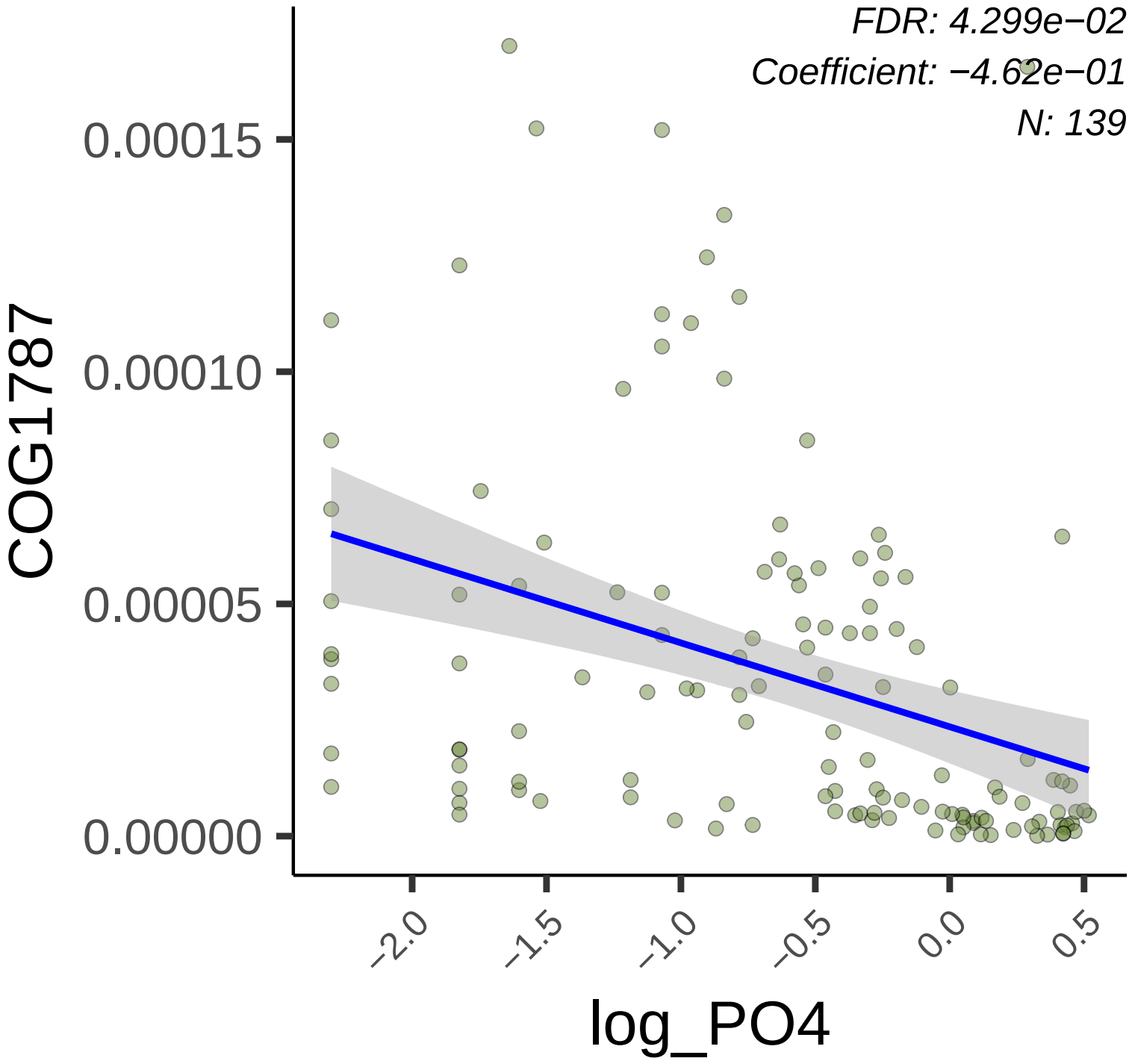
log_PO4


FDR: 4.299e−02
Coefficient: −4.62e−01
N: 139
COG1787
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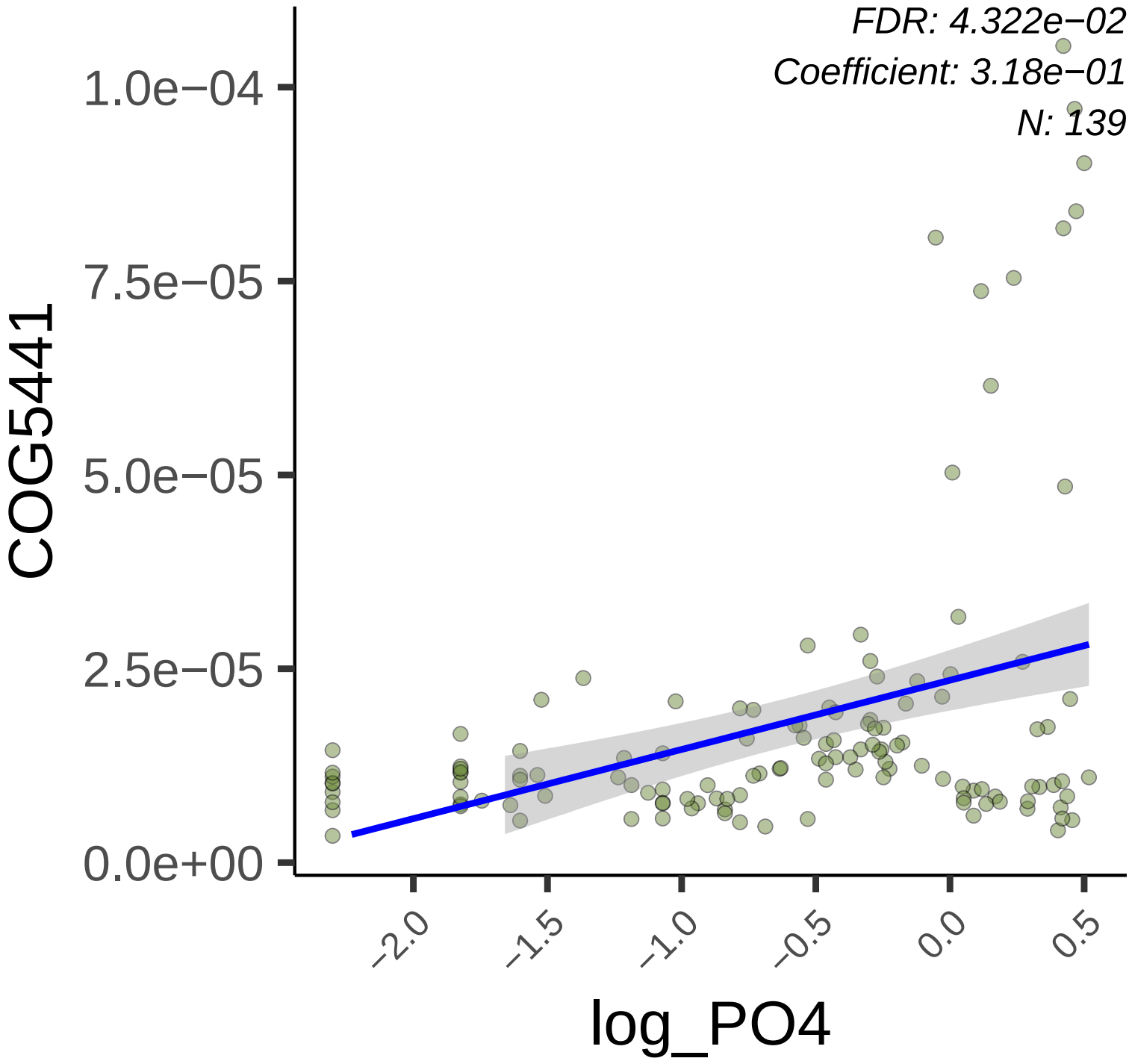
log_PO4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Coefficient: 3.18e−01
N: 139
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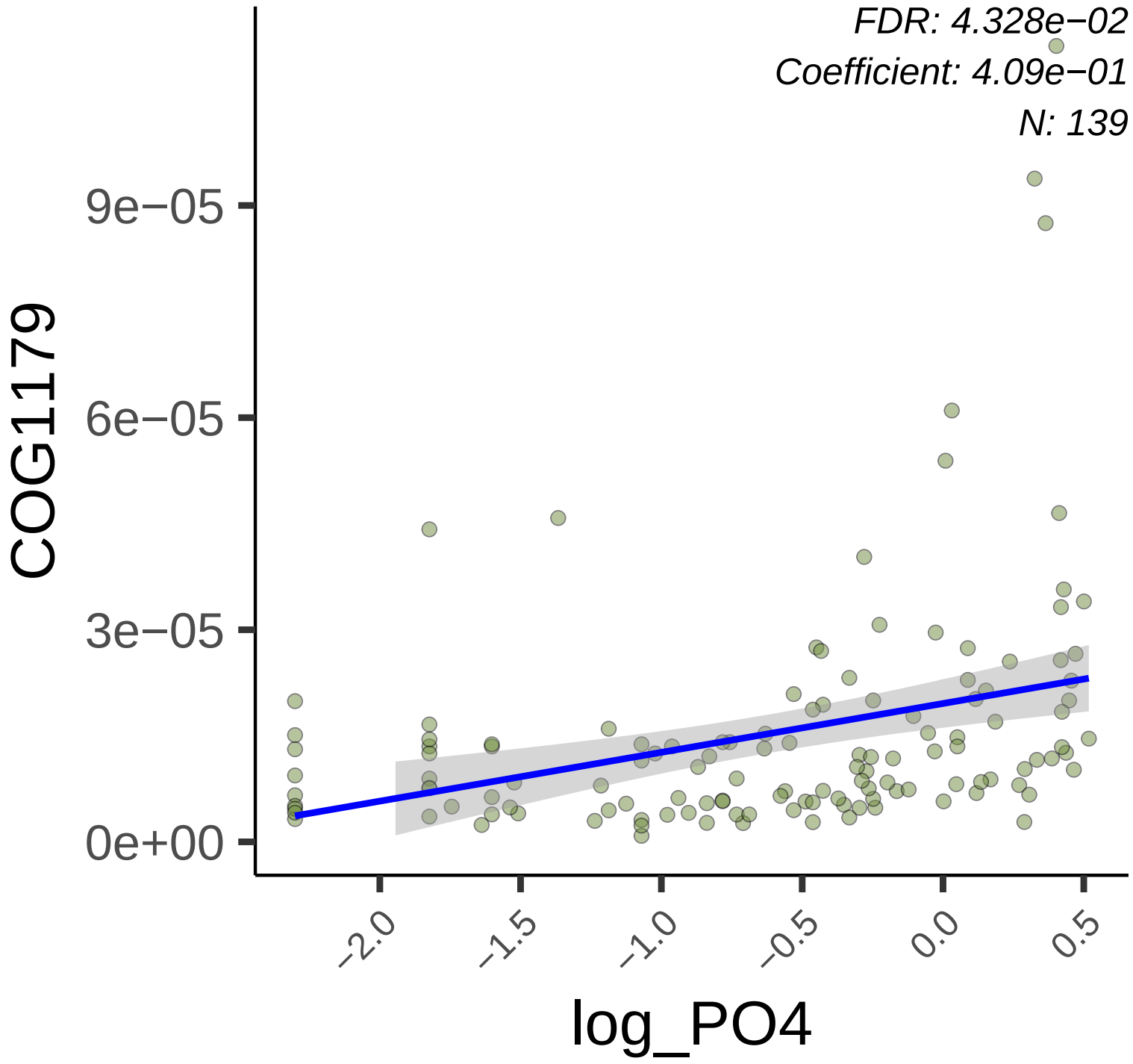
log_PO4


FDR: 4.328e−02
Coefficient: 4.09e−01
N: 139
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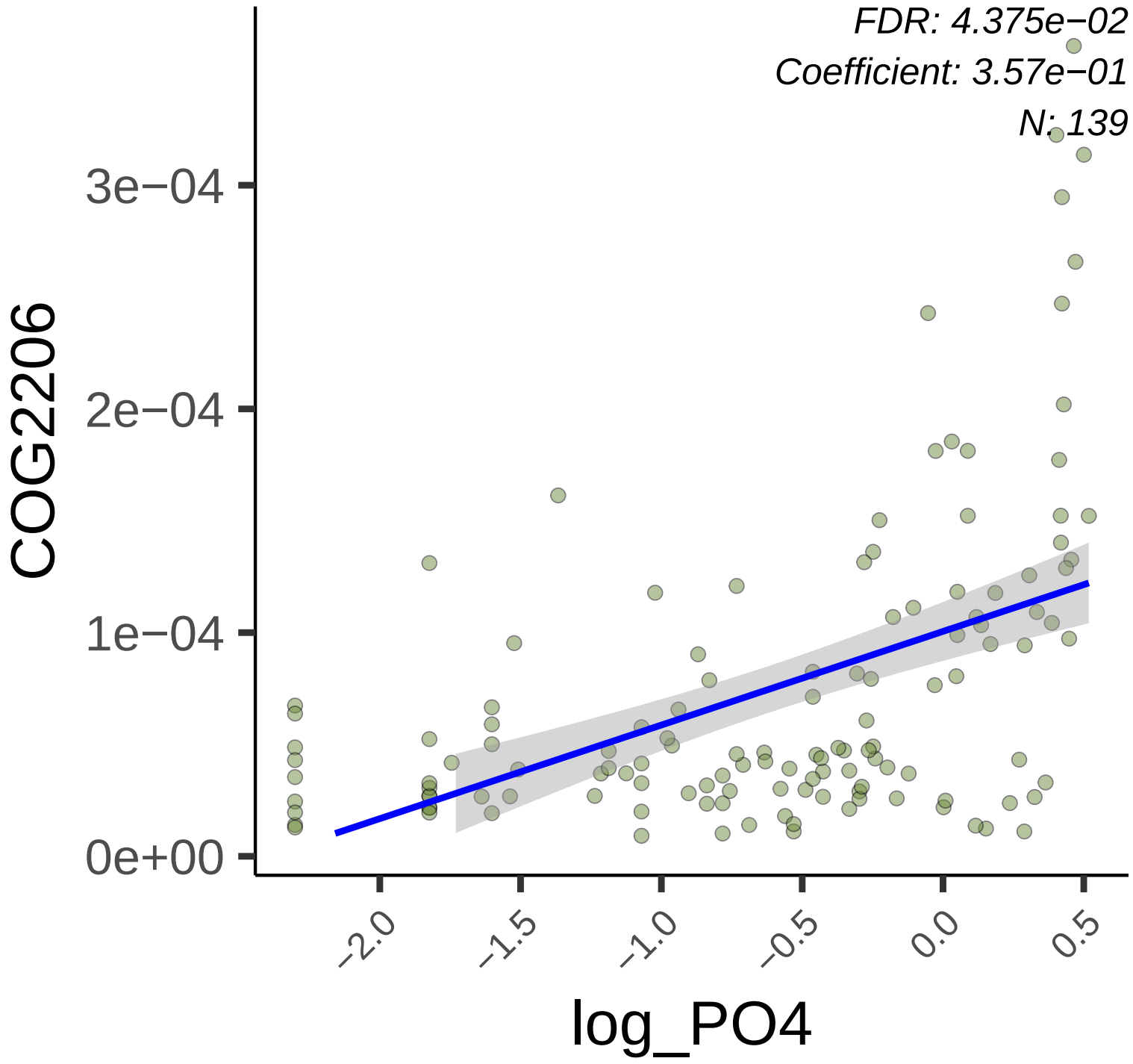
log_PO4


FDR: 4.375e−02
Coefficient: 3.57e−01
N: 139
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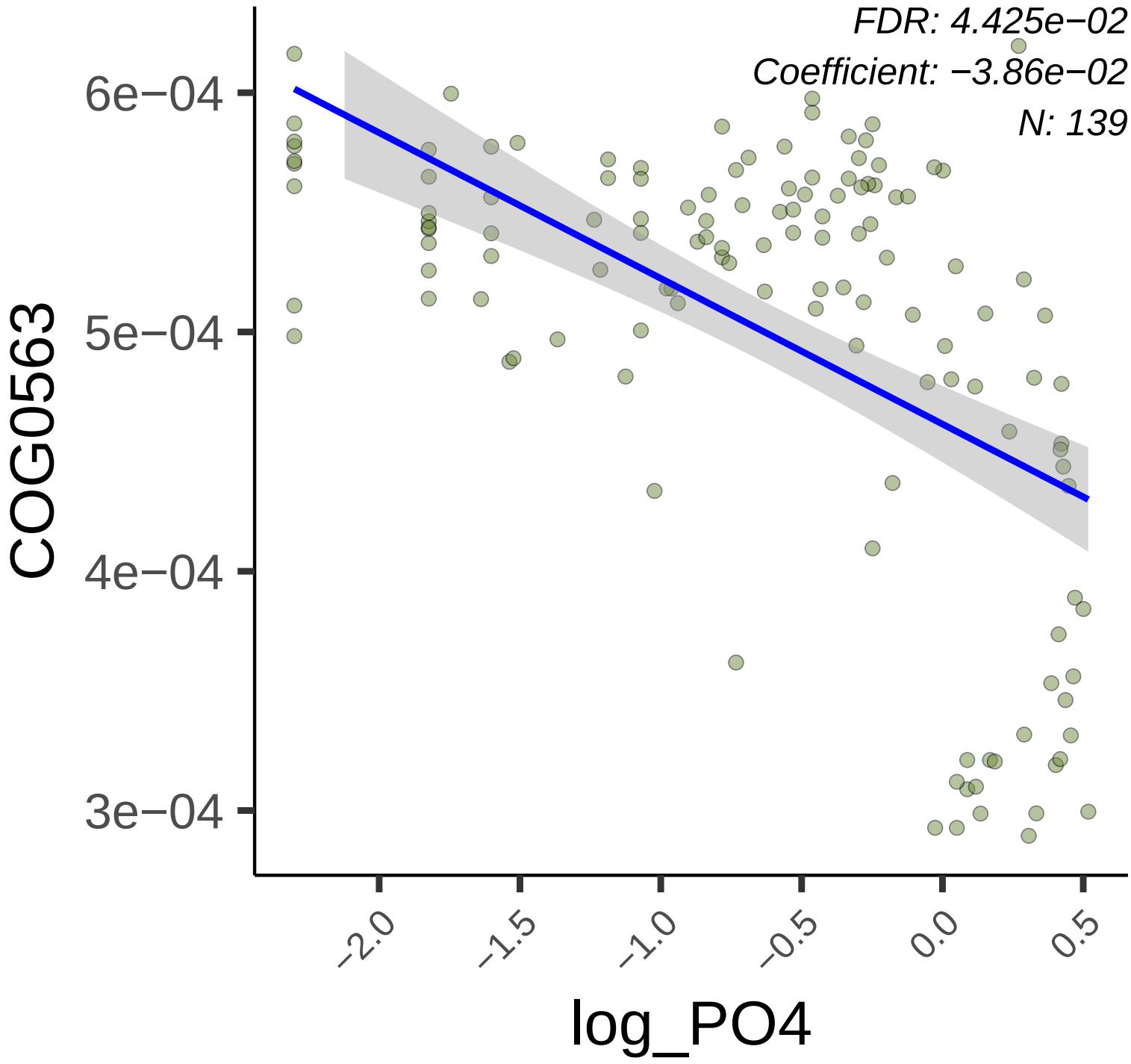
log_PO4


FDR: 4.425e−02
Coefficient: −3.86e−02
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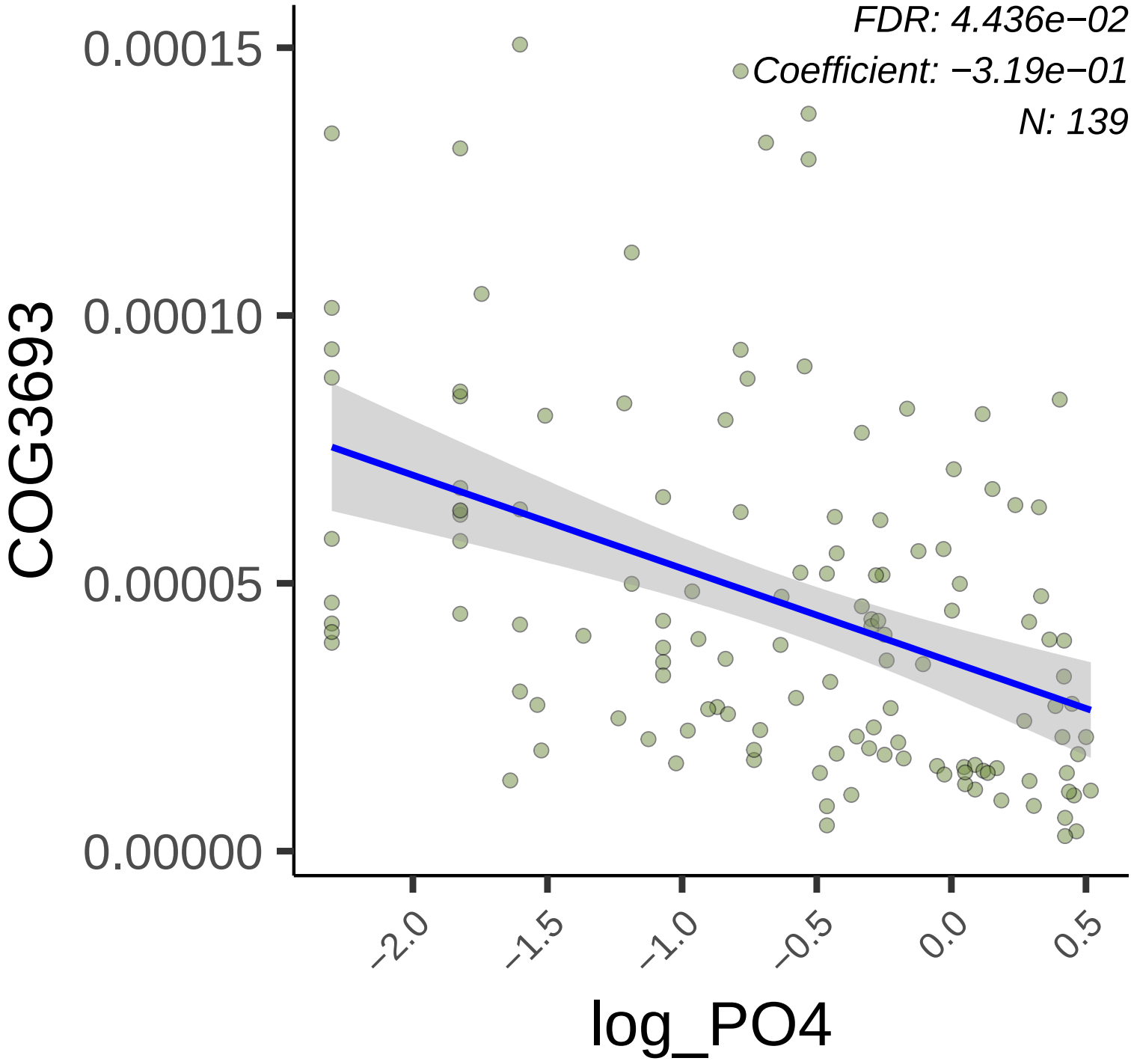
log_PO4


FDR: 4.436e−02
Coefficient: −3.19e−01
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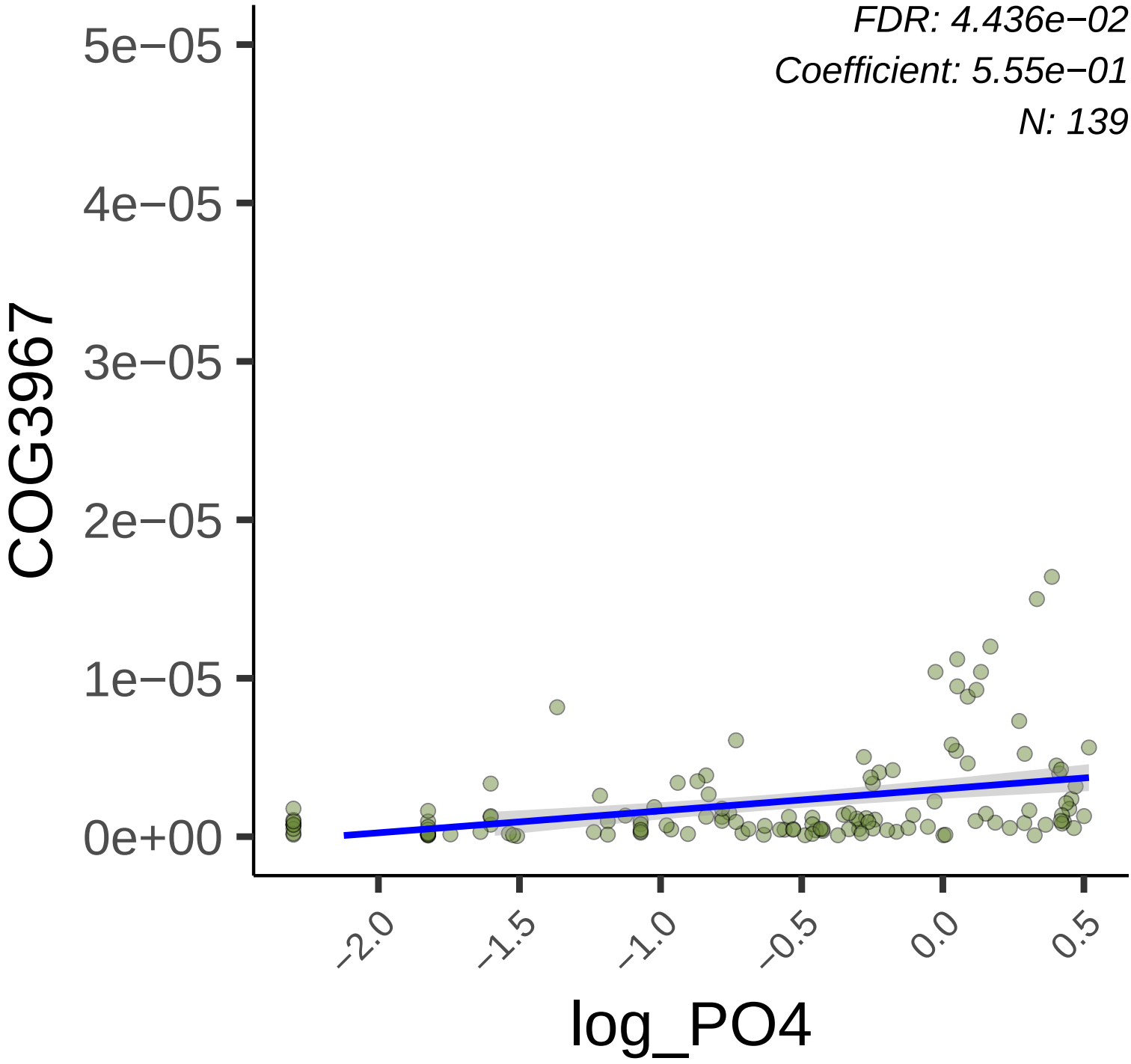
log_PO4


FDR: 4.436e−02
Coefficient: 5.55e−01
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COG3967
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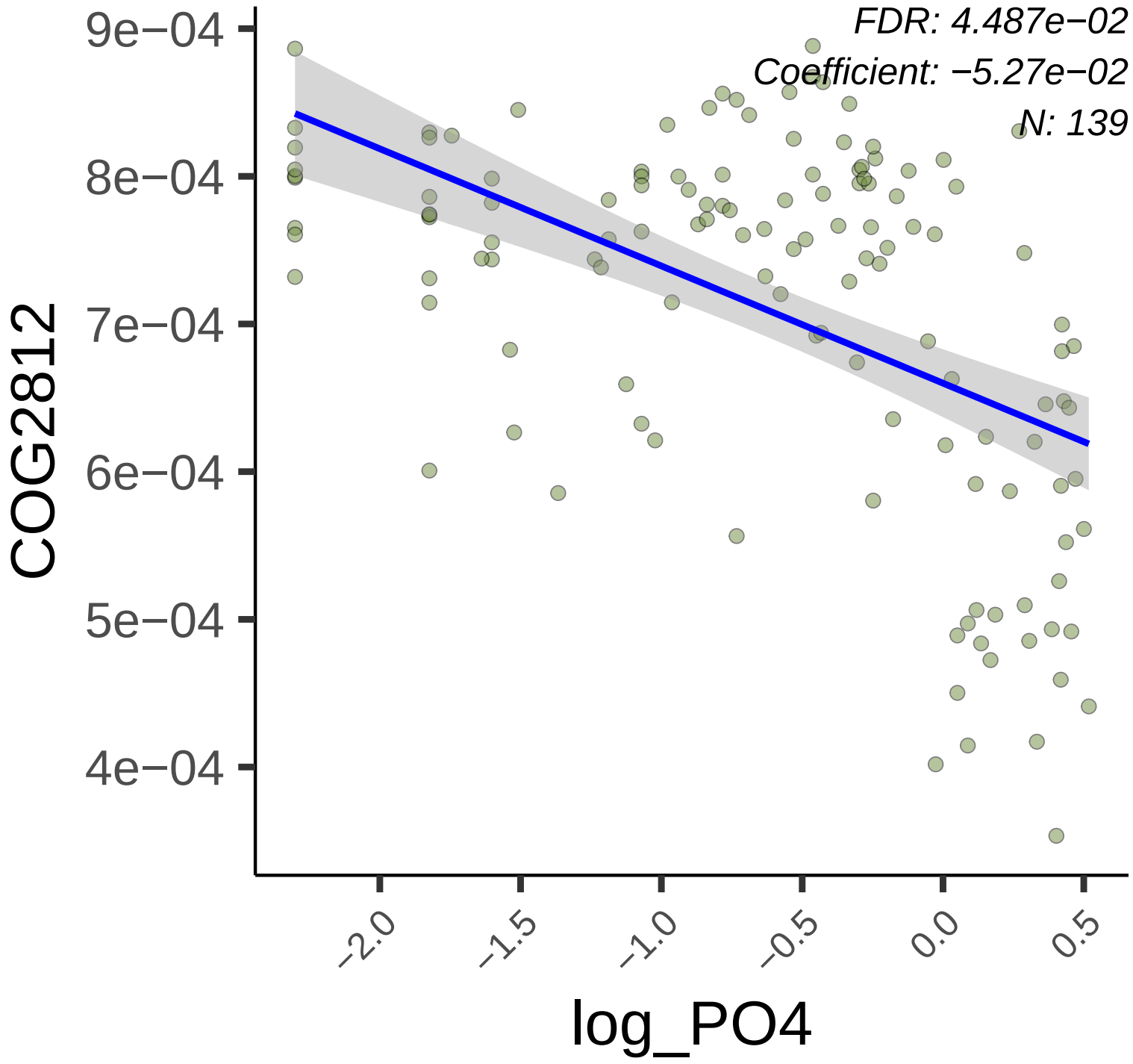
log_PO4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Coefficient: −5.27e−02
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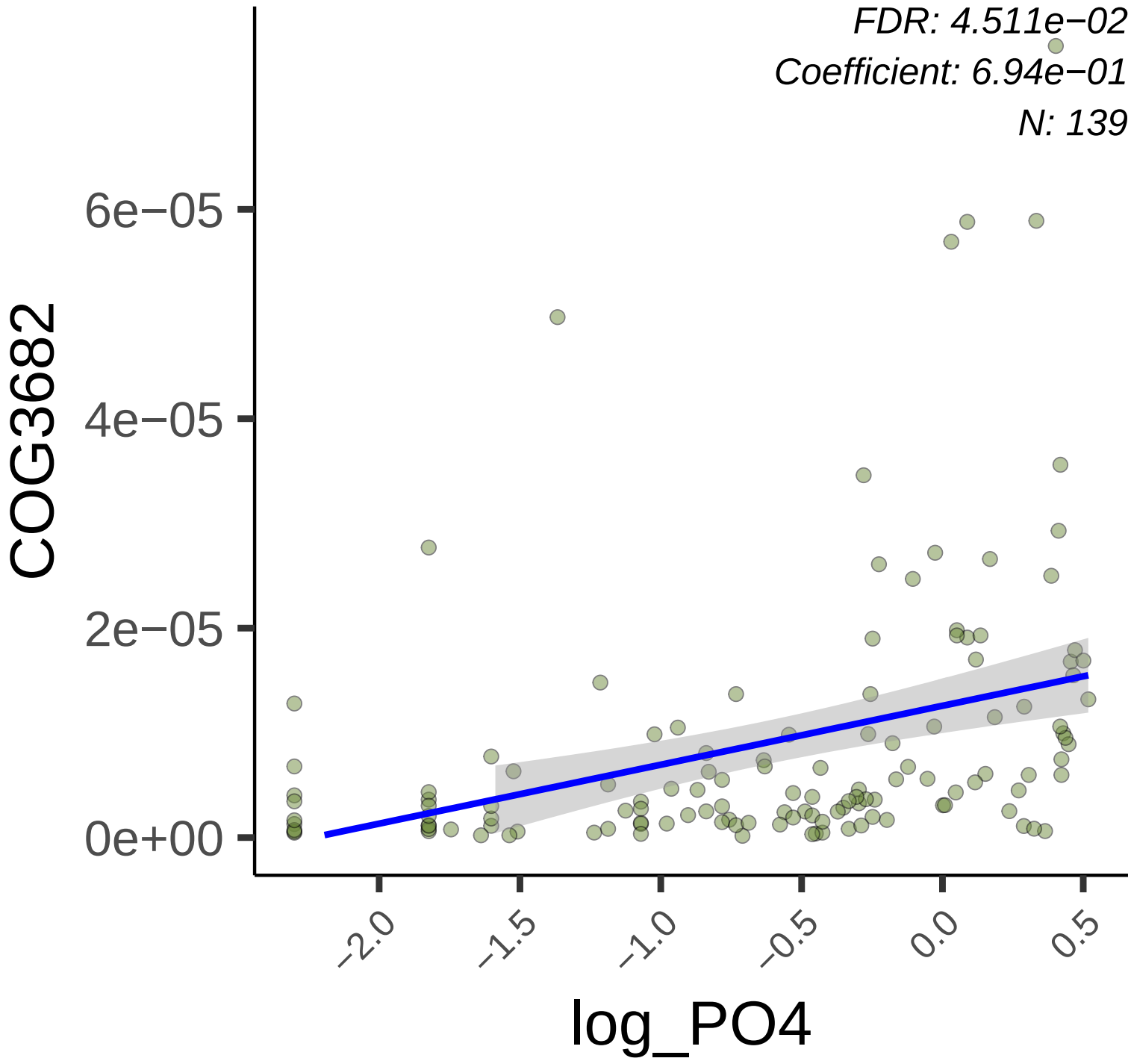
log_PO4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Coefficient: 6.94e−01
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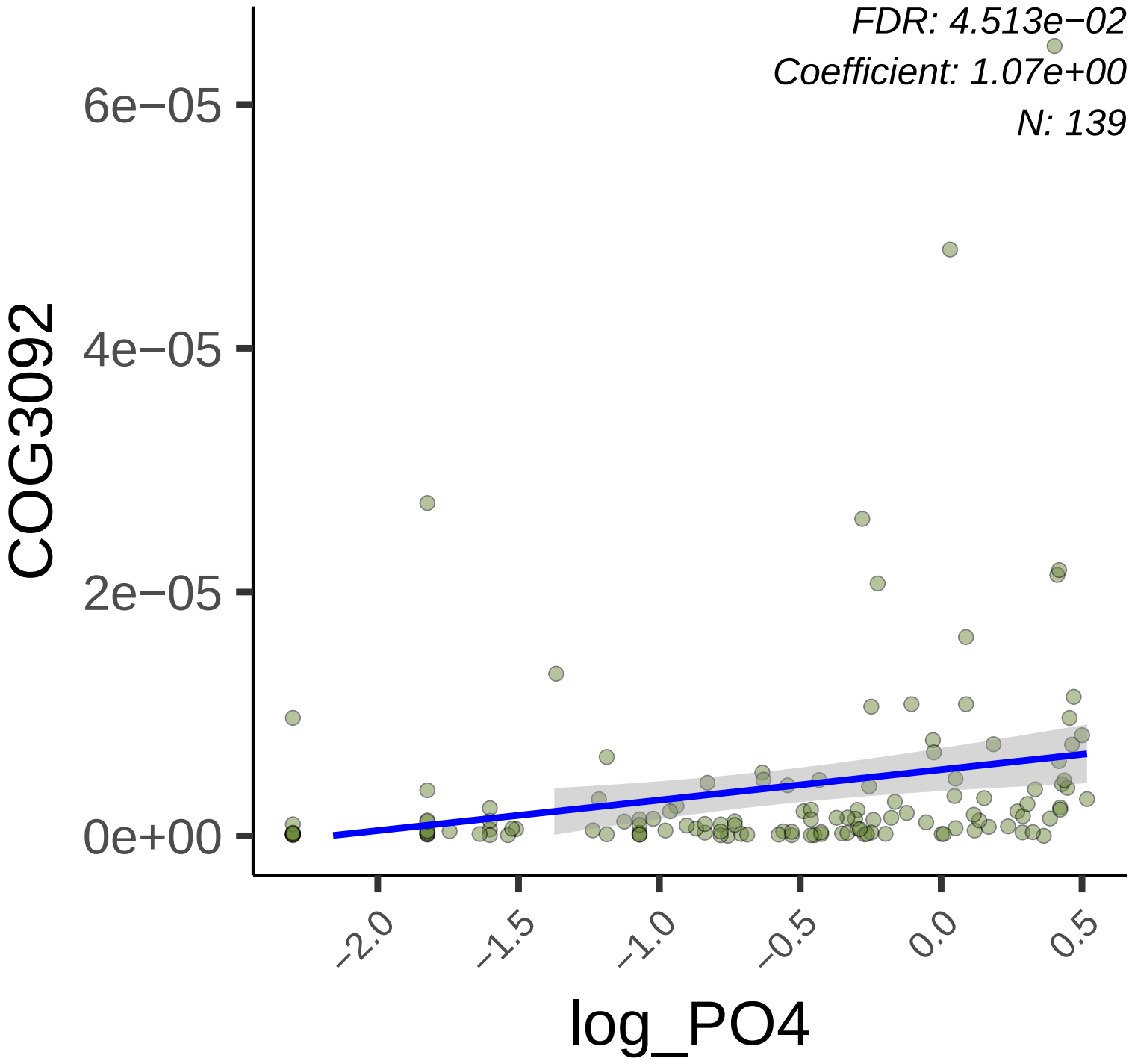
log_PO4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Coefficient: 1.07e+00
N: 139
COG3092
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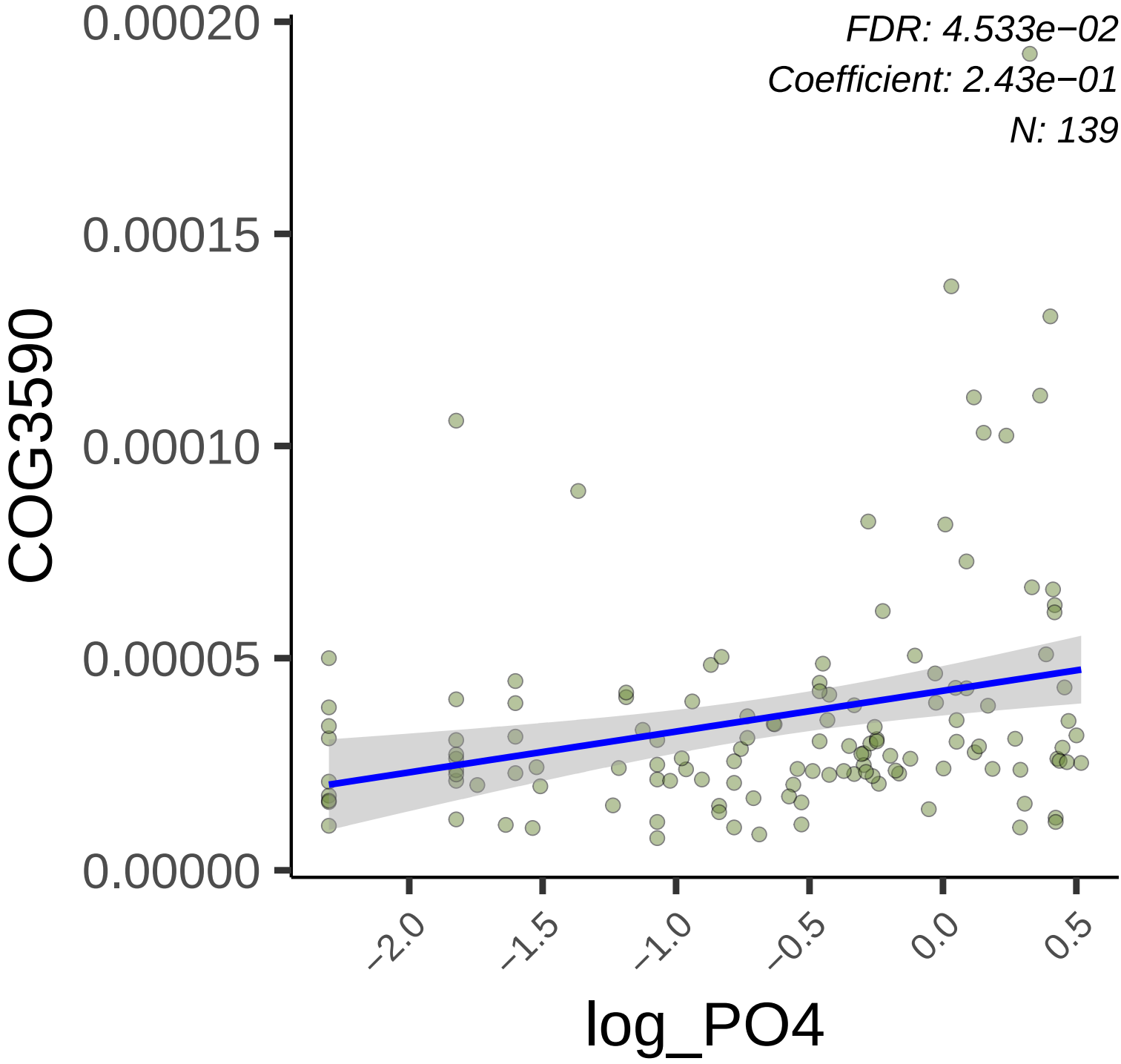
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Coefficient: 2.43e−01
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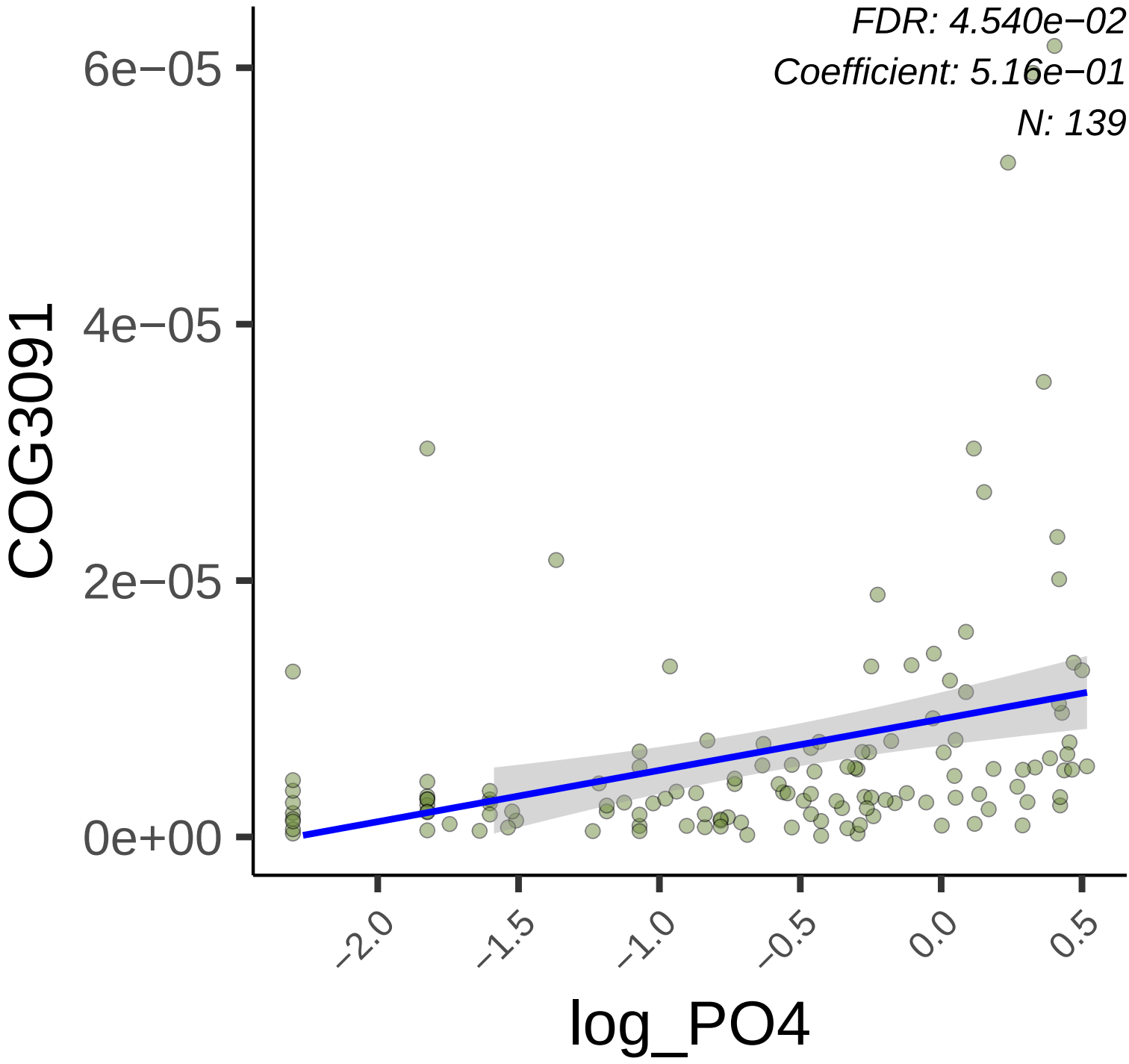
log_PO4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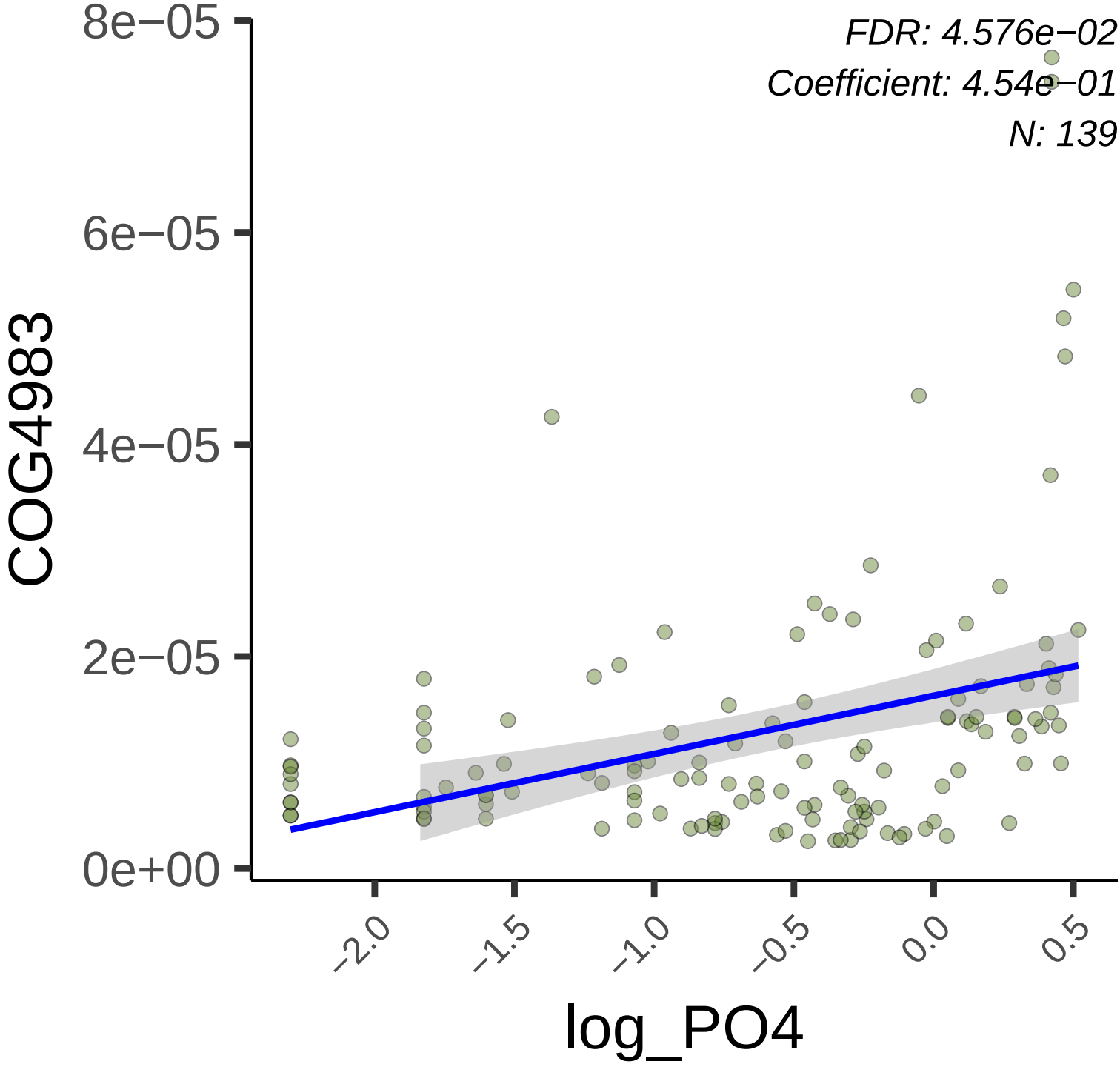
log_PO4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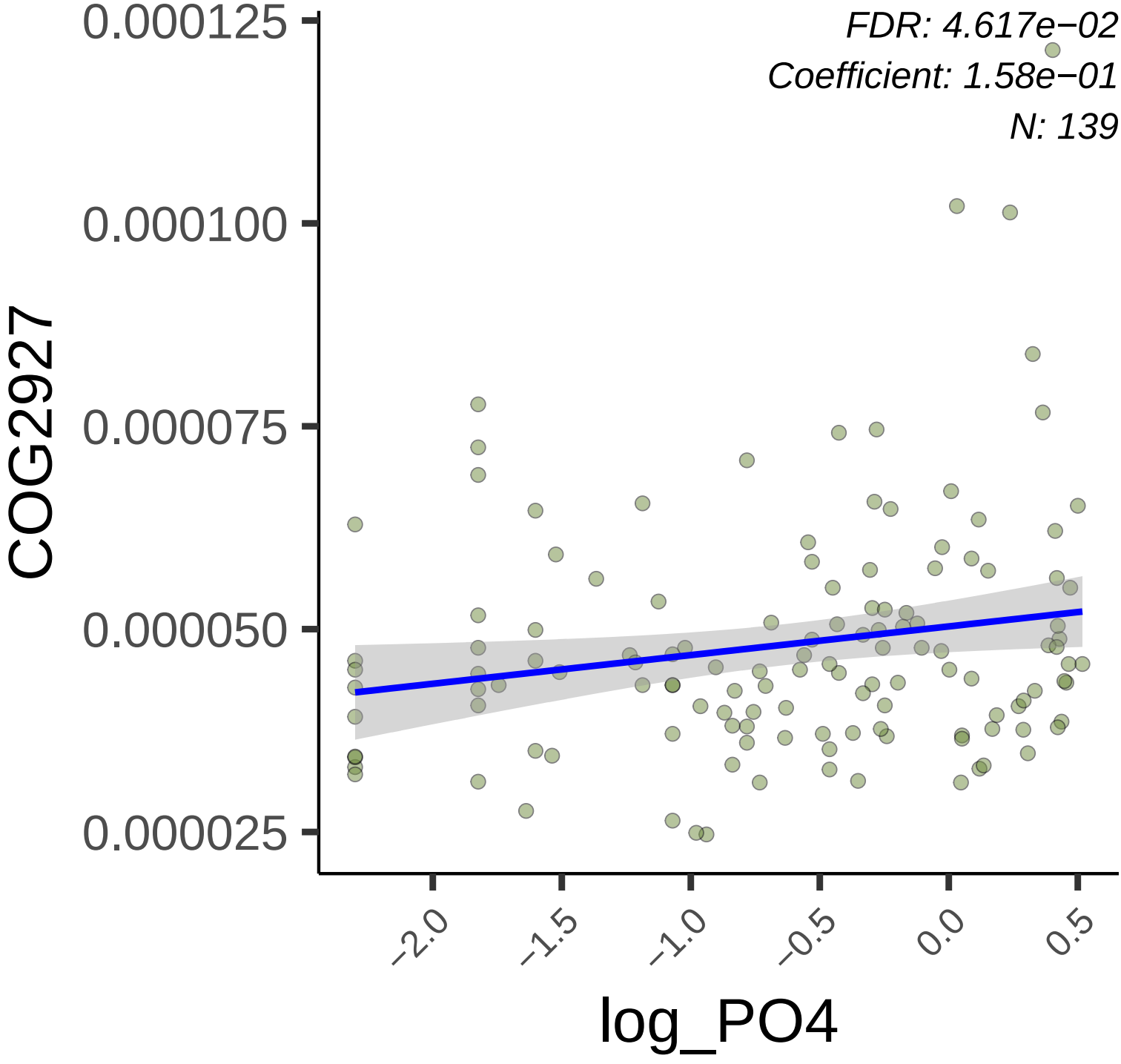
log_PO4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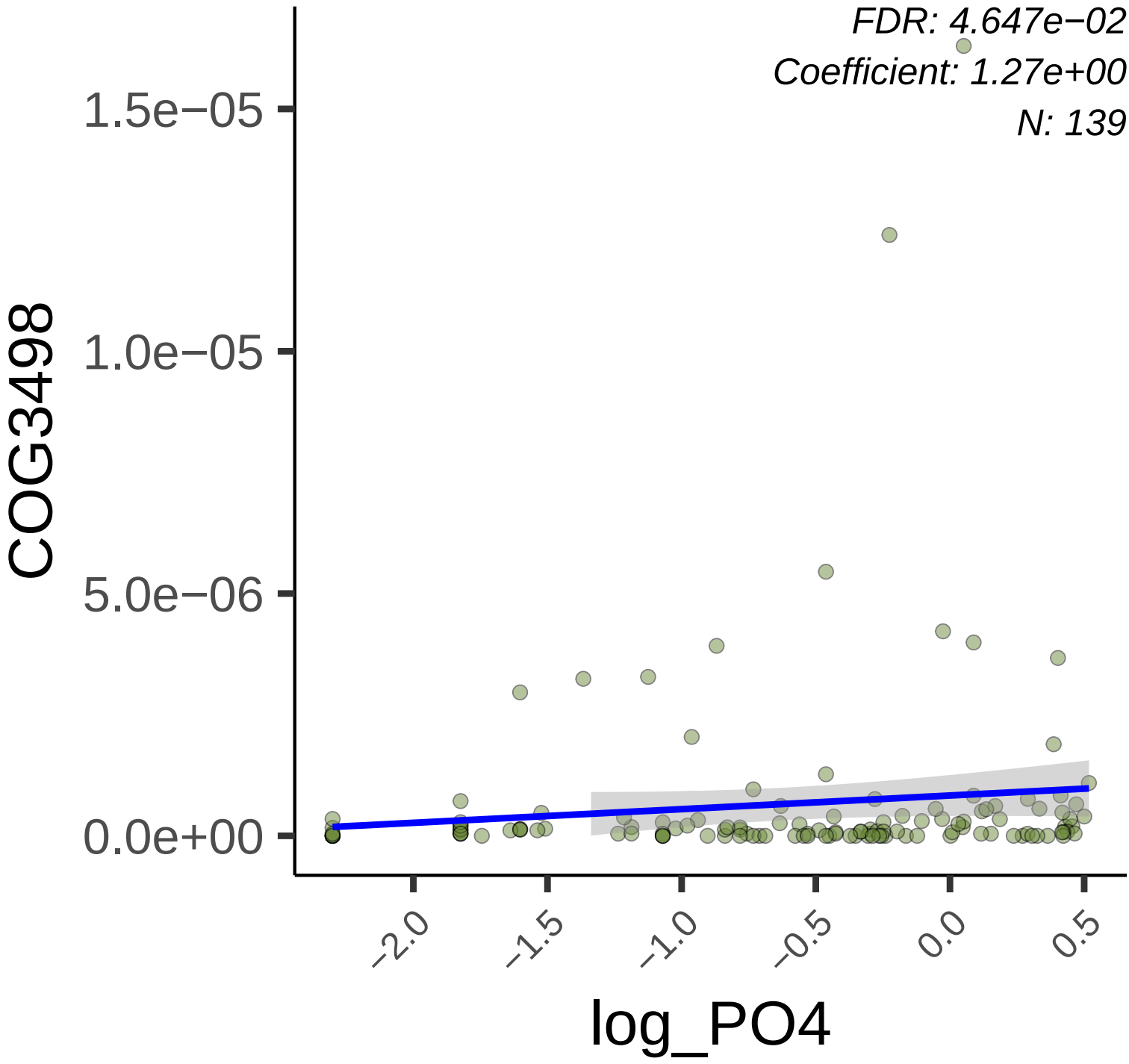
log_PO4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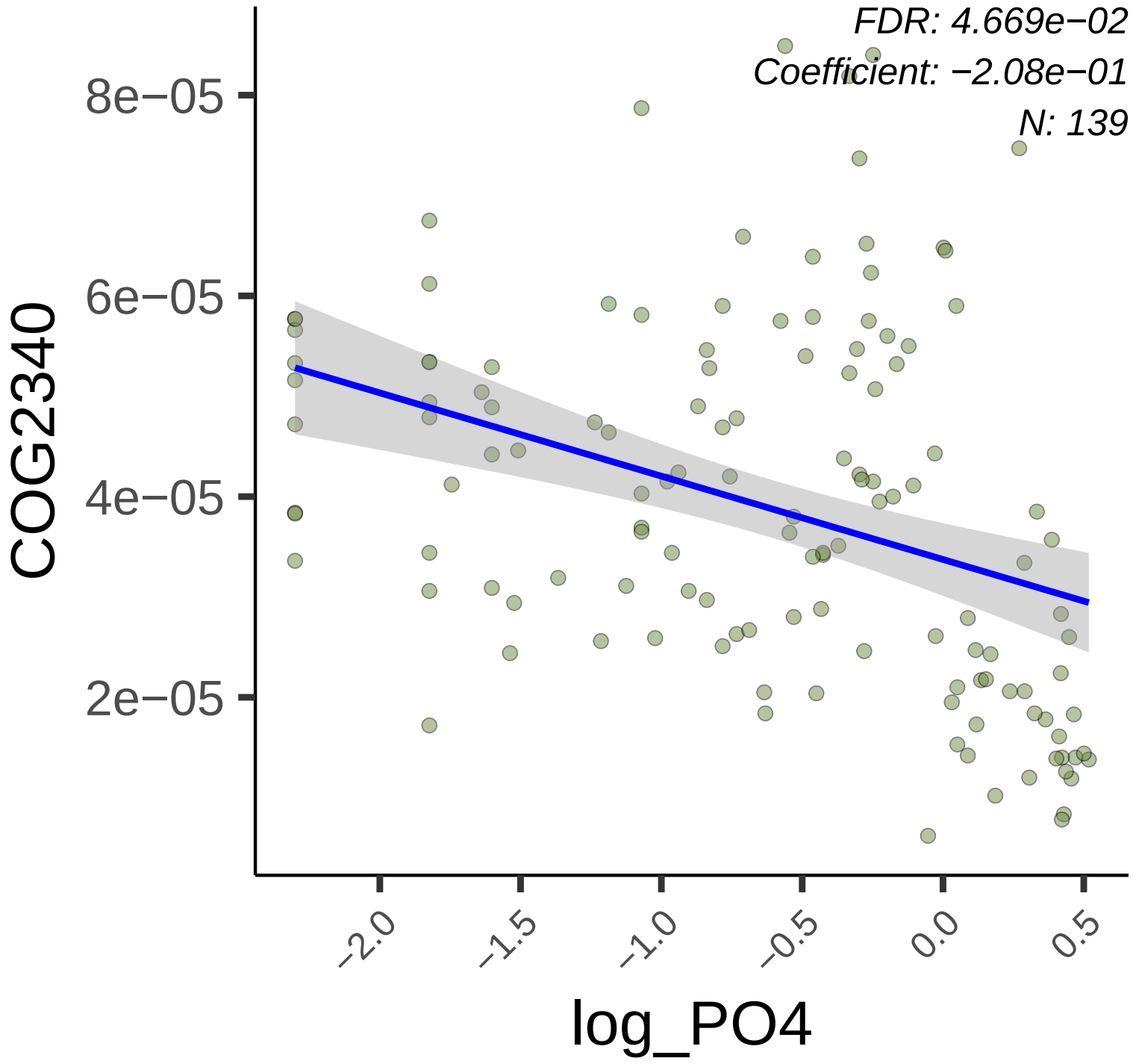
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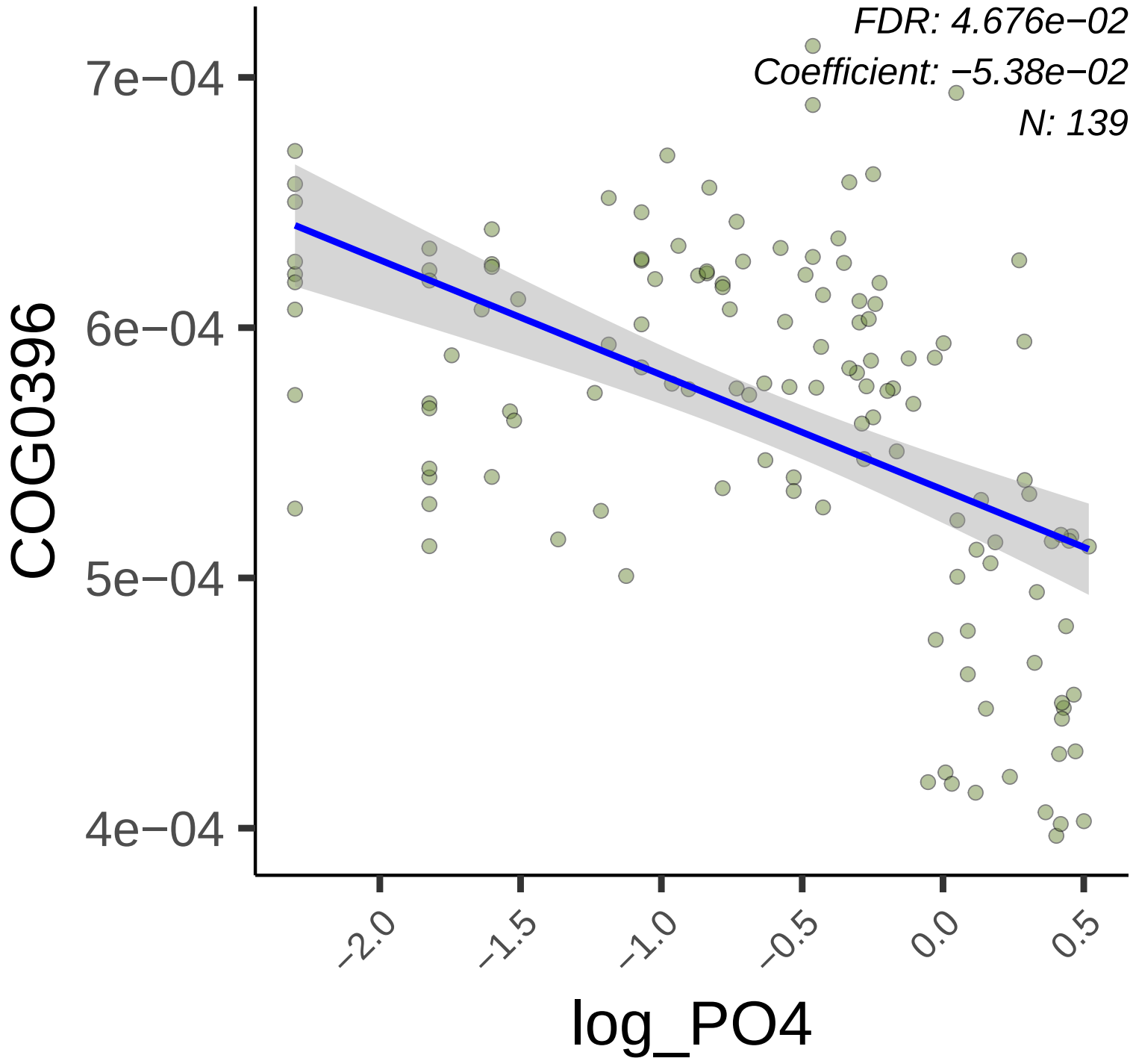
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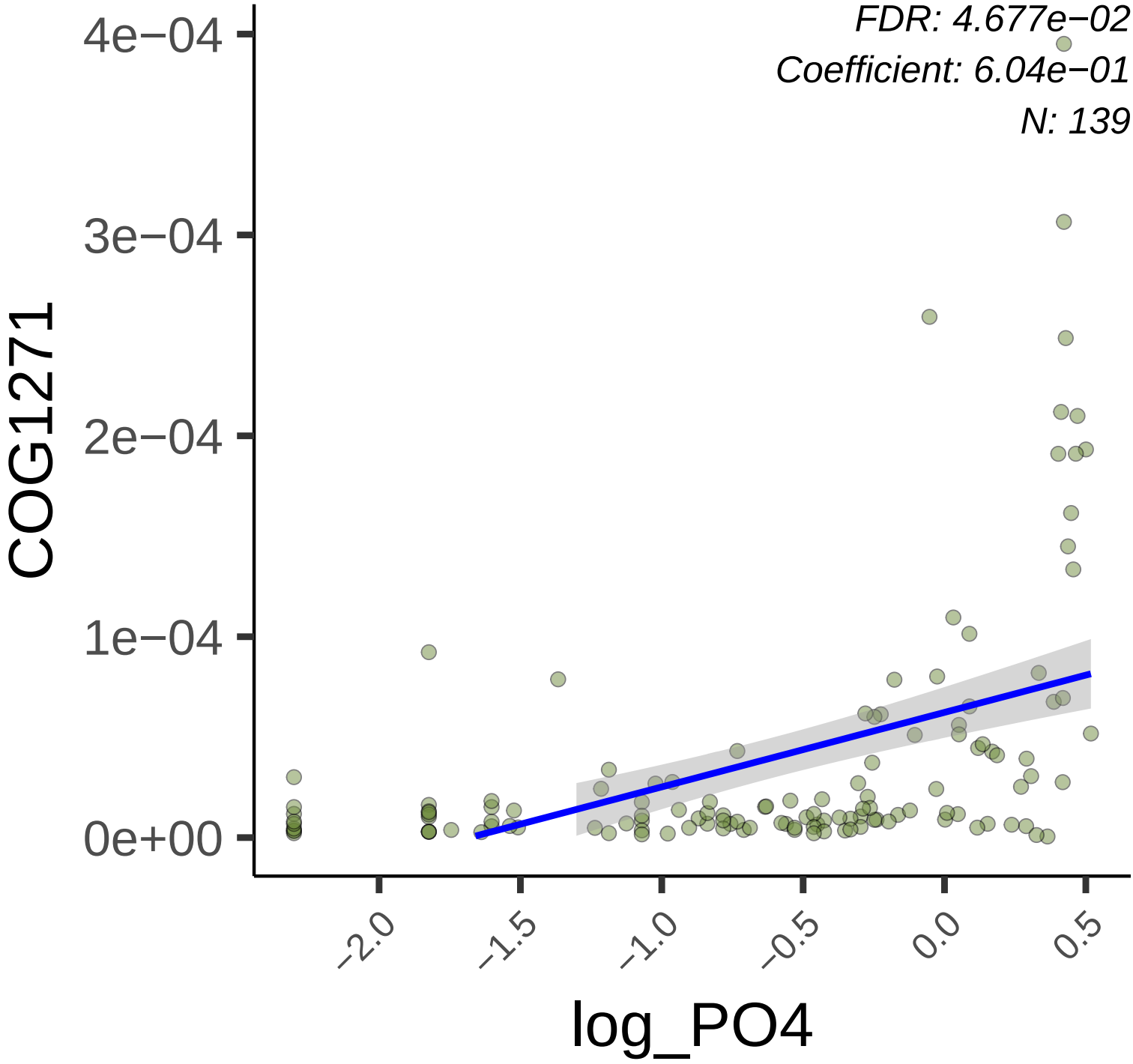
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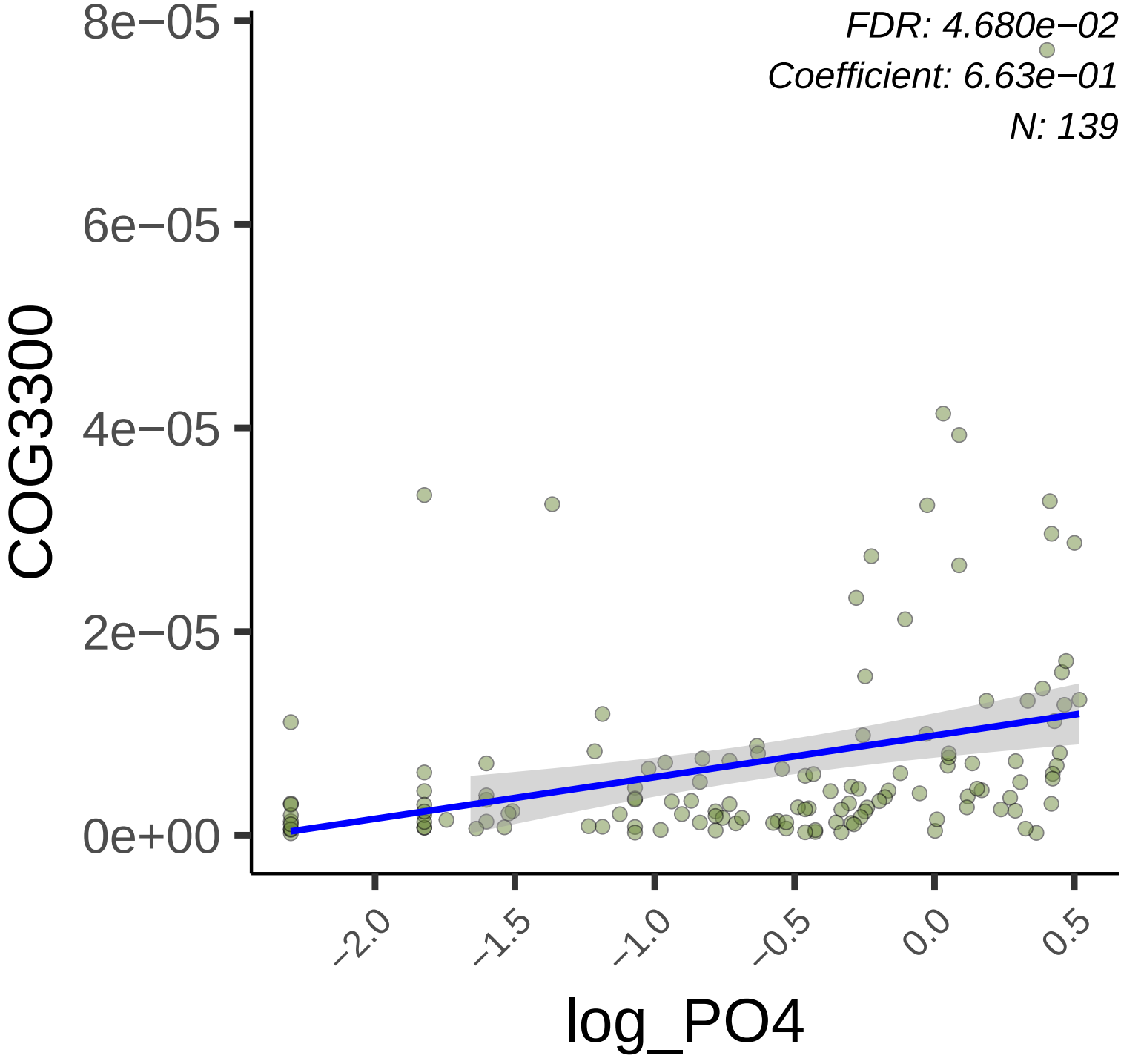
log_PO4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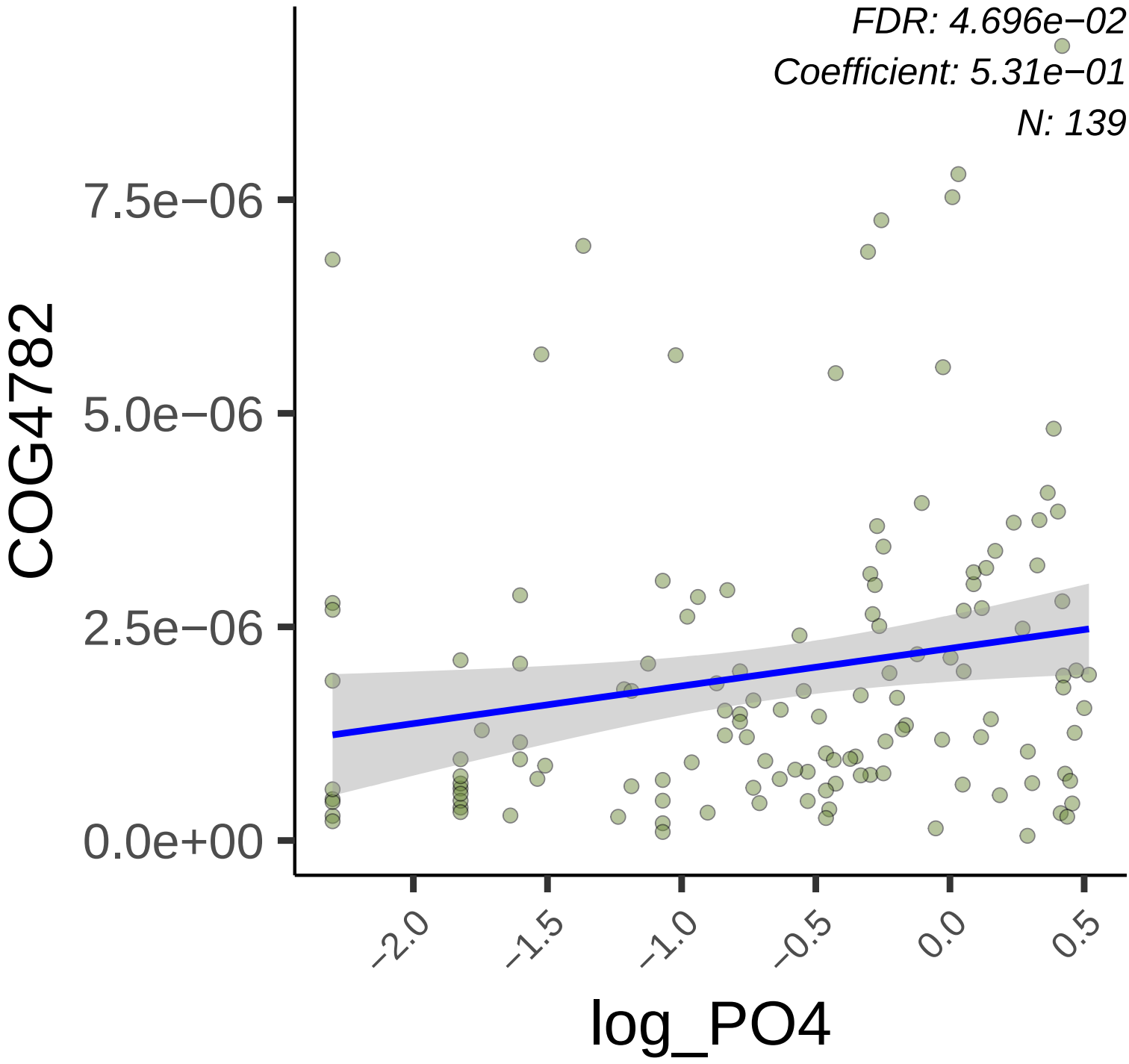
log_PO4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N: 139
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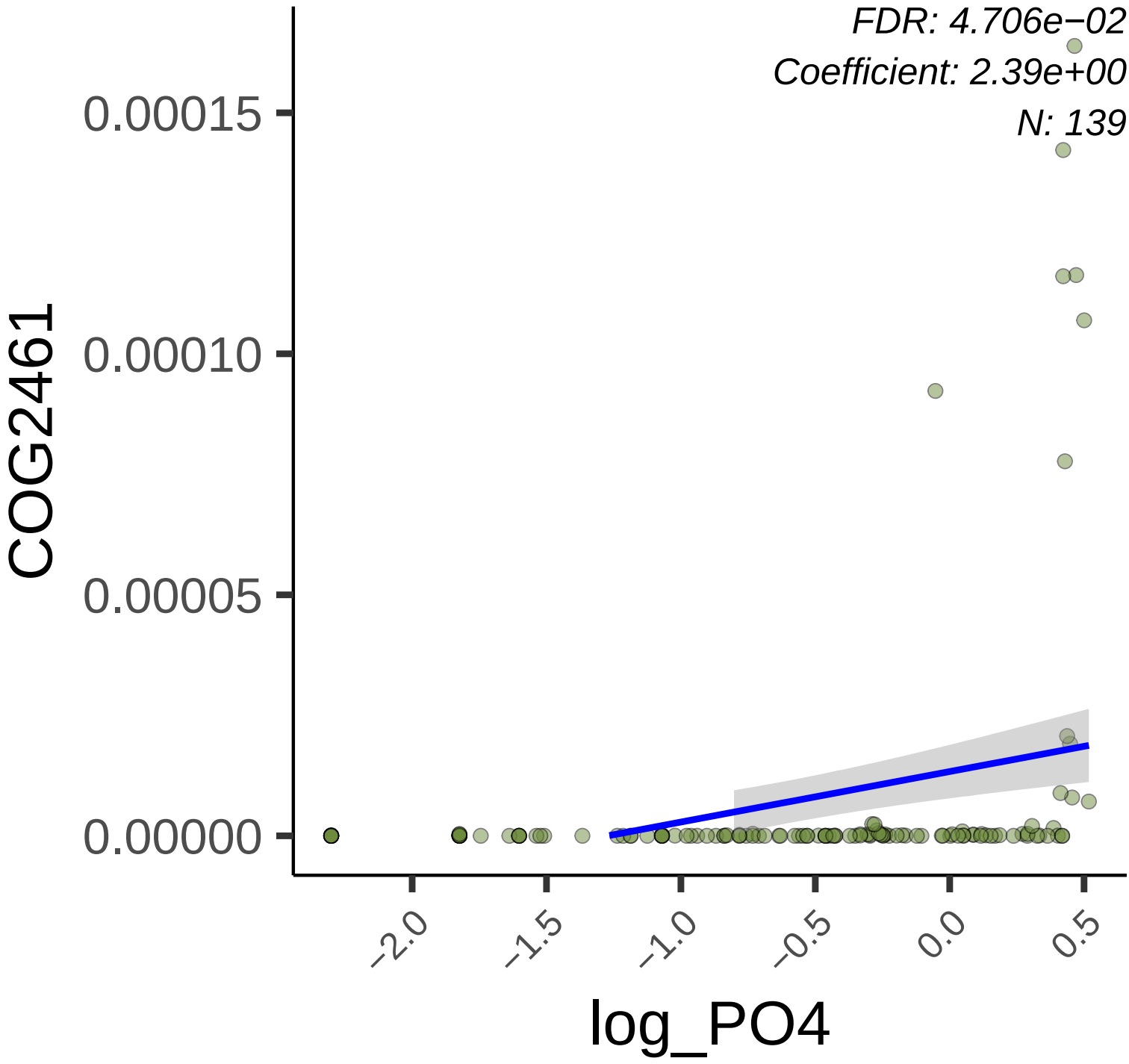
log_PO4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Coefficient: 2.39e+00
N: 139
COG2461
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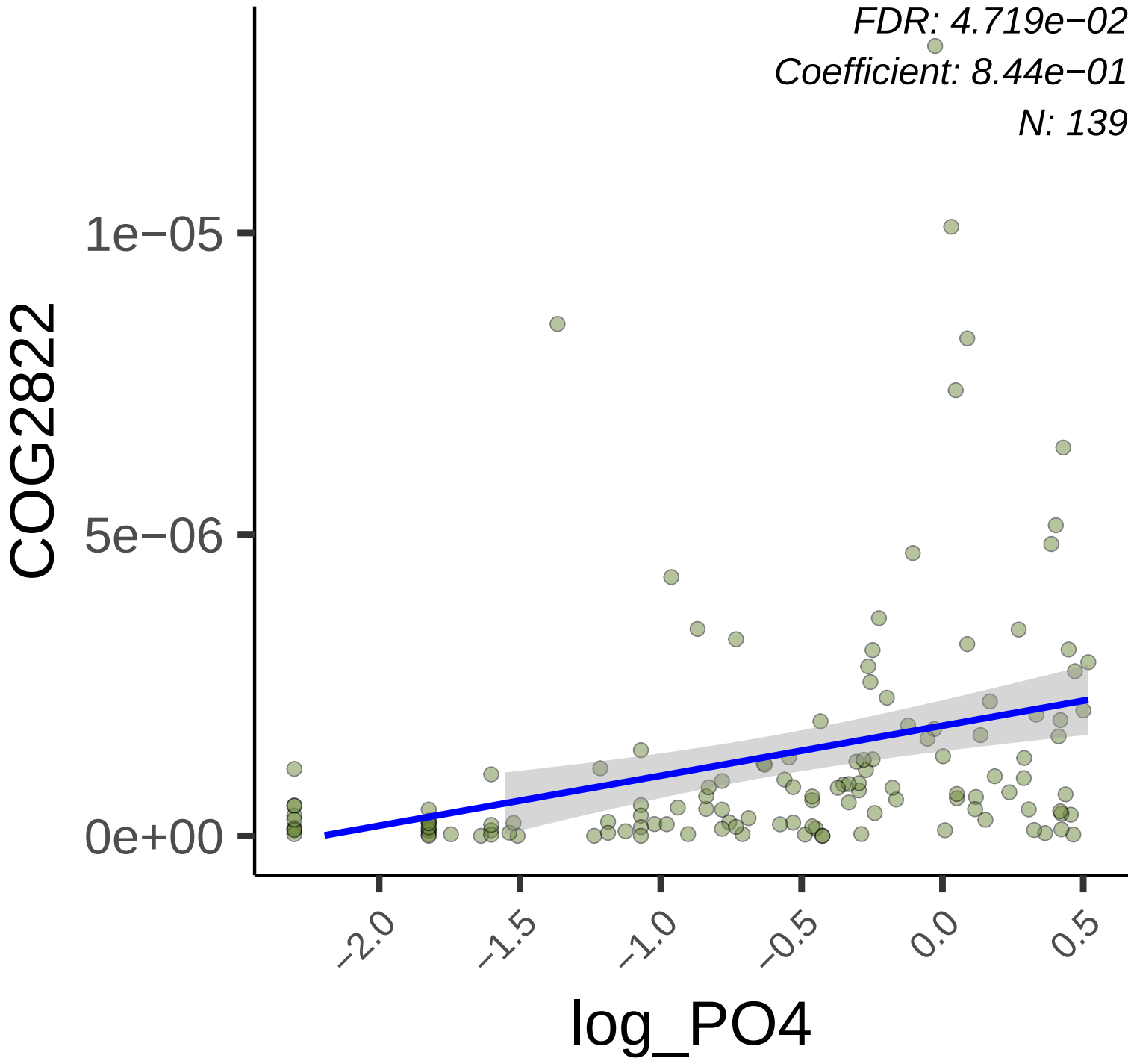
log_PO4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Coefficient: 8.44e−01
N: 139
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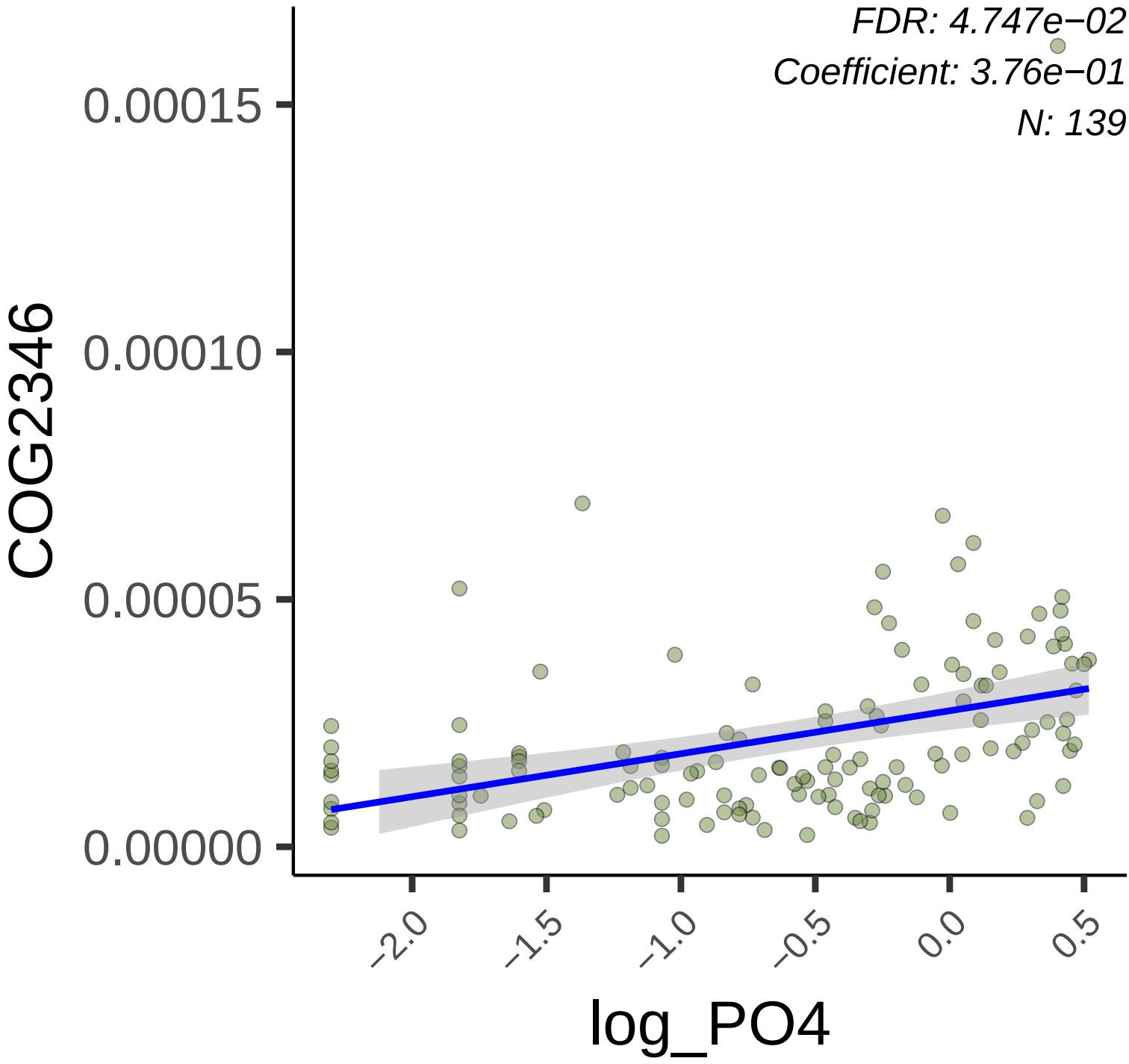
log_PO4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Coefficient: 3.76e−01
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COG2346
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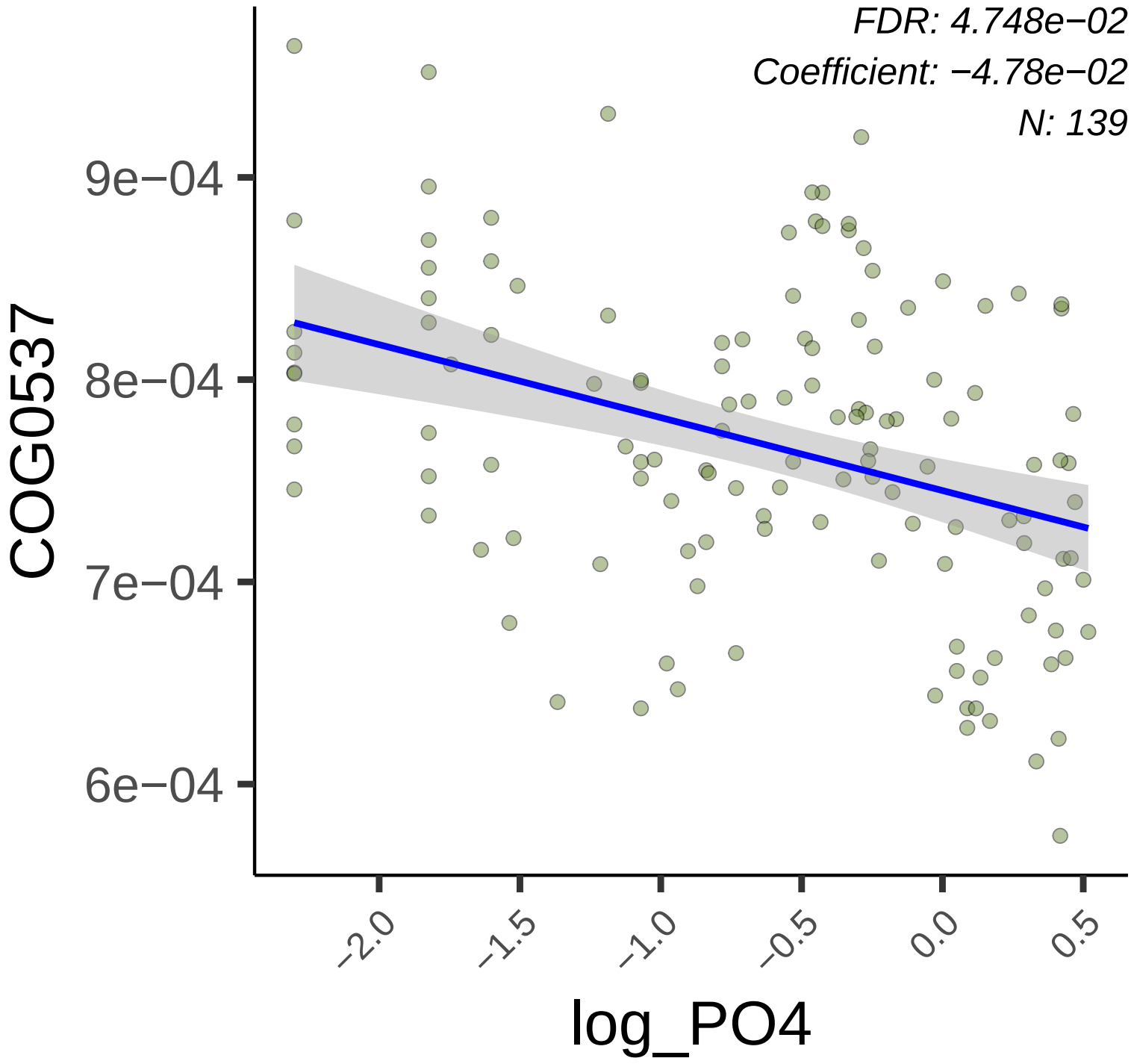
log_PO4


FDR: 4.748e−02
Coefficient: −4.78e−02
N: 139
COG0537
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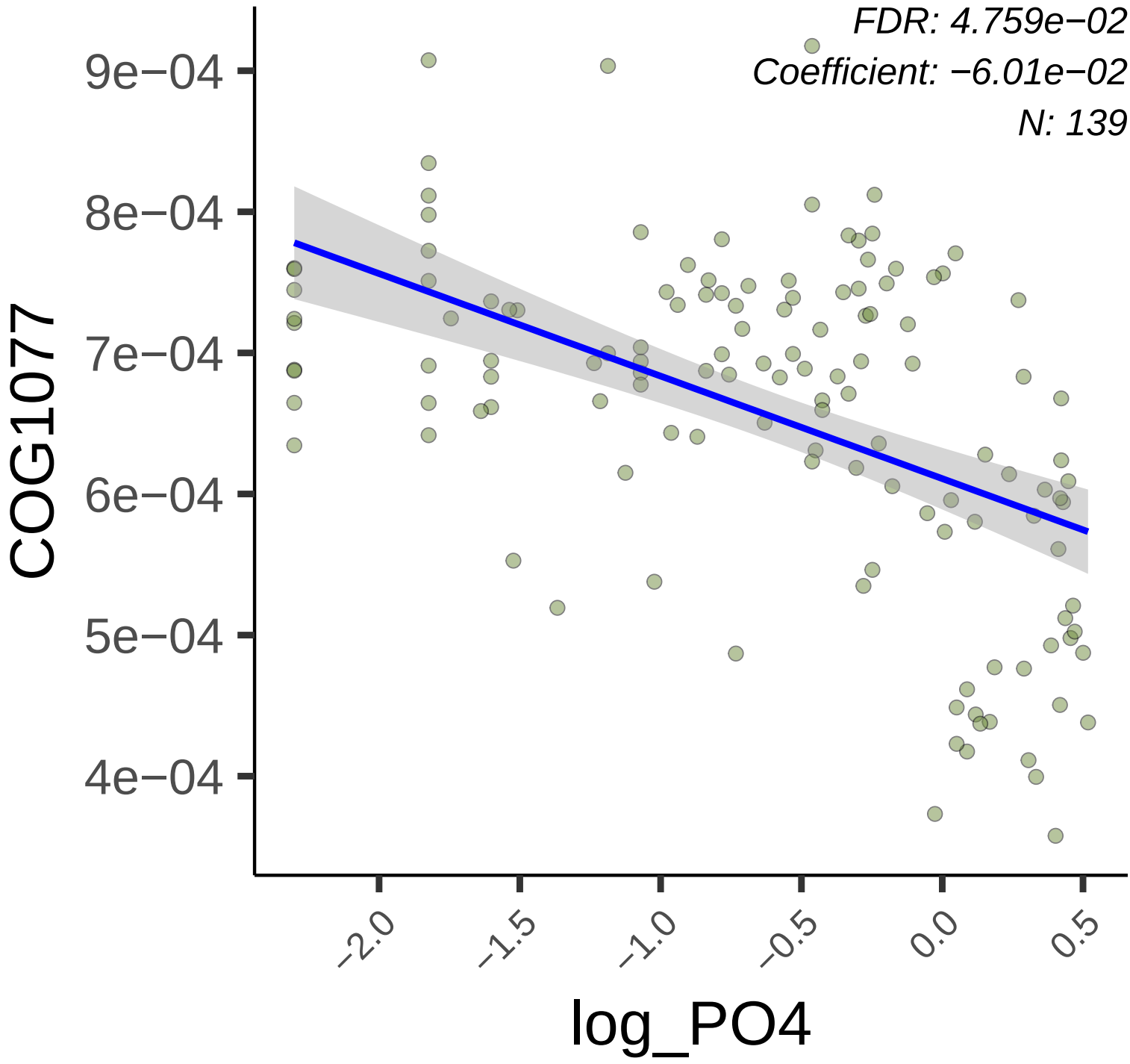
log_PO4


FDR: 4.759e−02
Coefficient: −6.01e−02
N: 139
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COG1077
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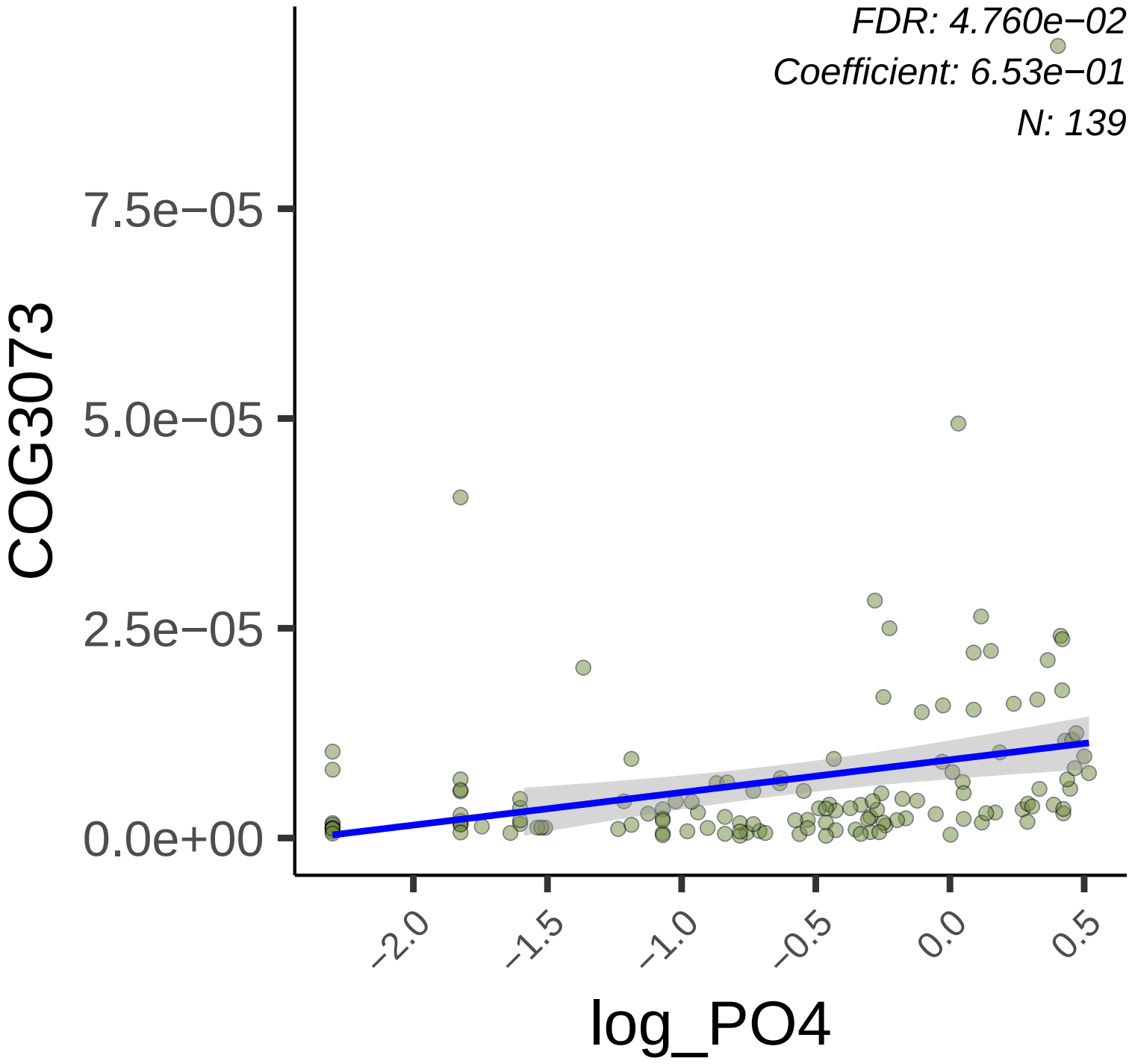
log_PO4


FDR: 4.760e−02
Coefficient: 6.53e−01
N: 139
COG3073
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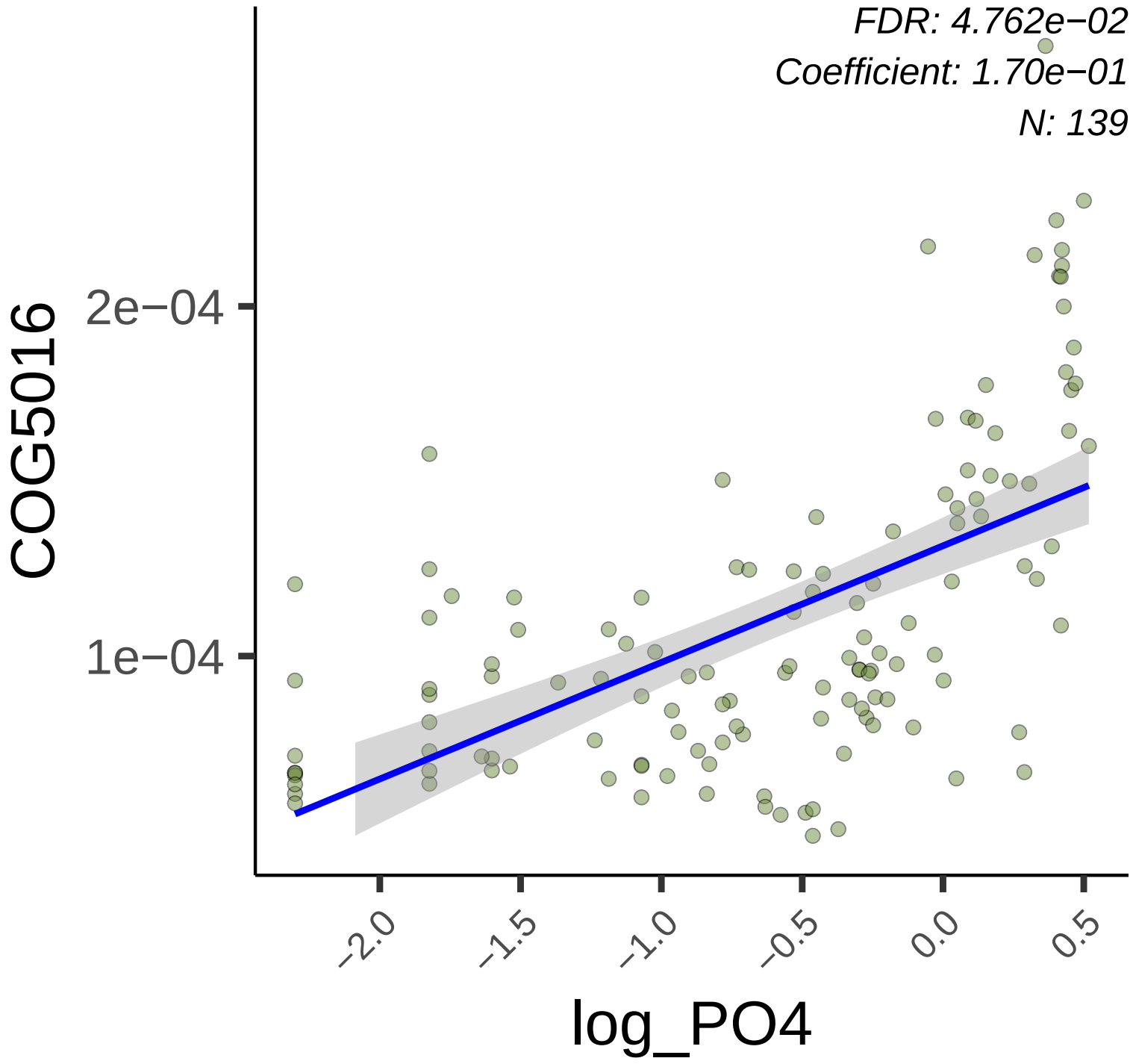
log_PO4


FDR: 4.762e−02
Coefficient: 1.70e−01
N: 139
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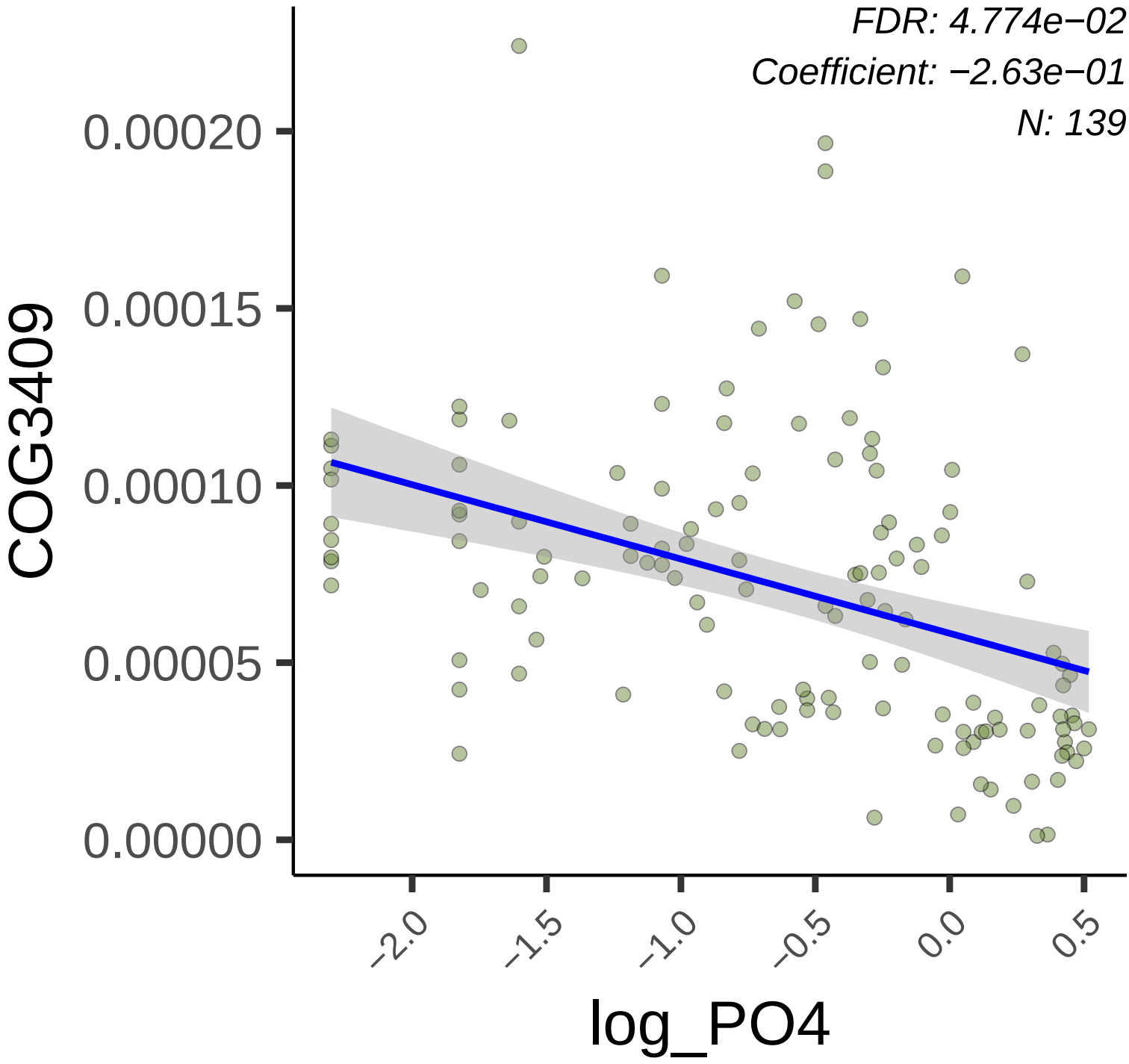
log_PO4


FDR: 4.774e−02
Coefficient: −2.63e−01
N: 139
COG3409
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0.00005
0.00000
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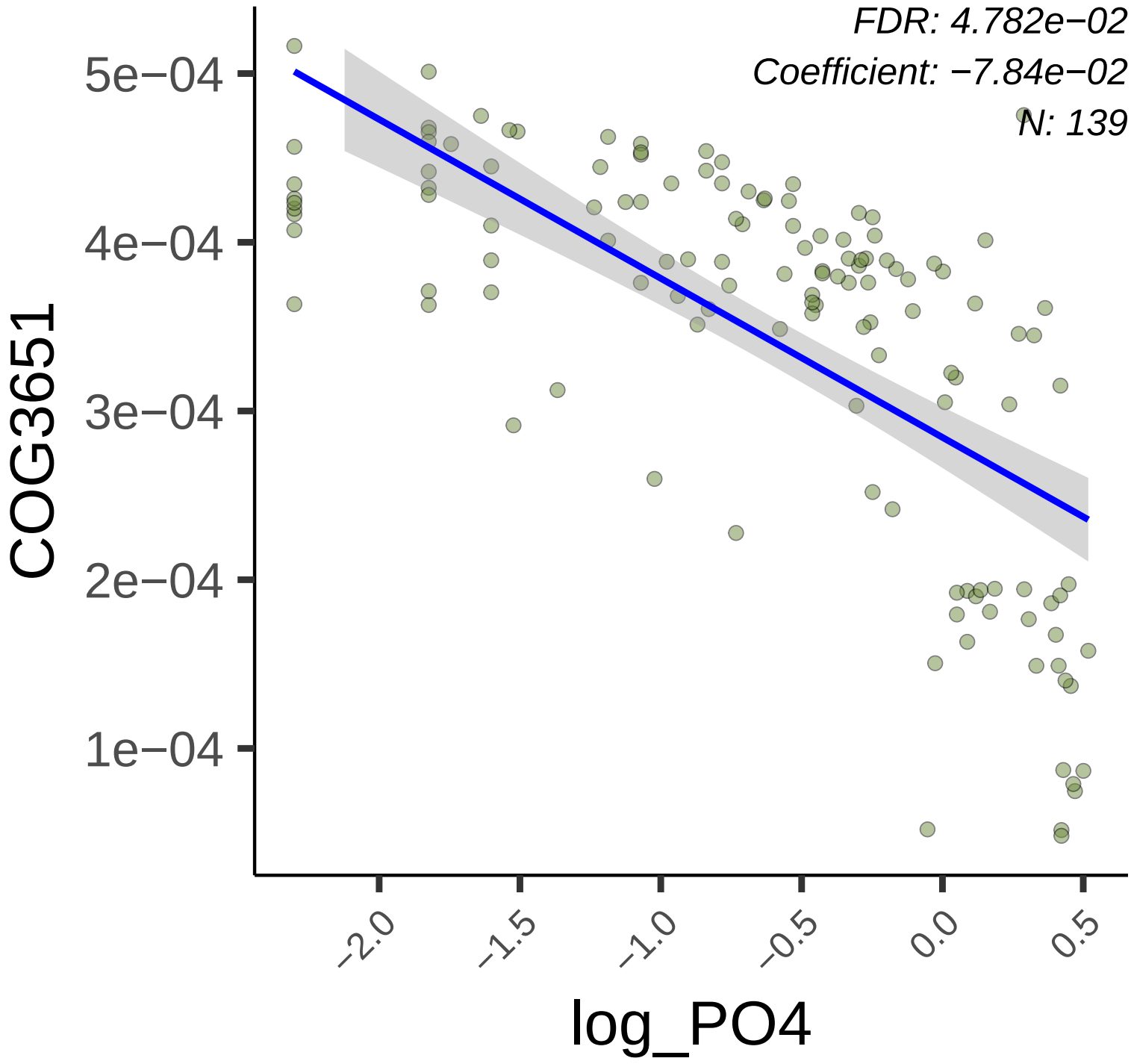
log_PO4


FDR: 4.782e−02
Coefficient: −7.84e−02
N: 139
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4e−04
3e−04
2e−04
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COG3651
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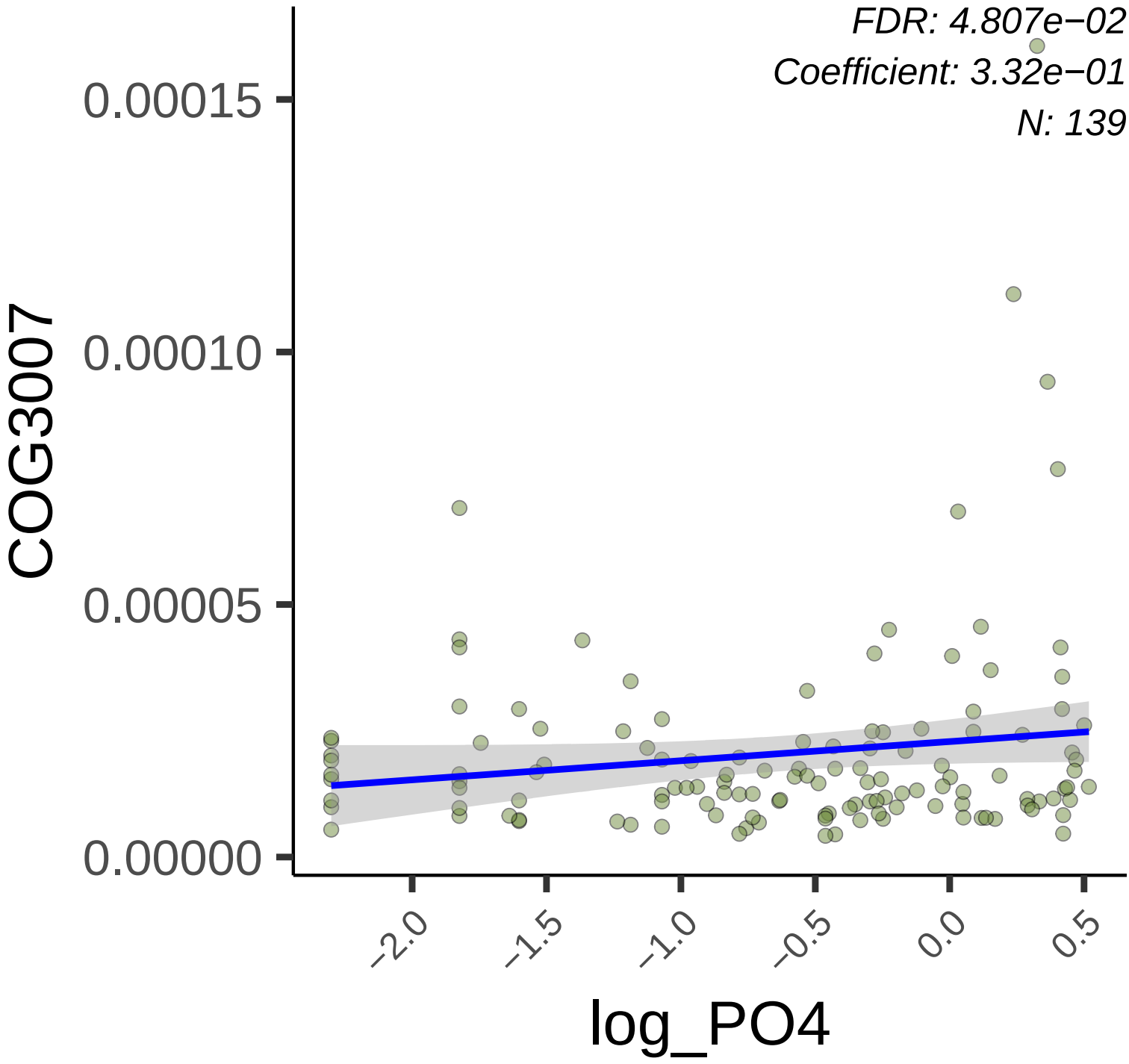
log_PO4


FDR: 4.807e−02
Coefficient: 3.32e−01
N: 139
COG3007
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0.00000
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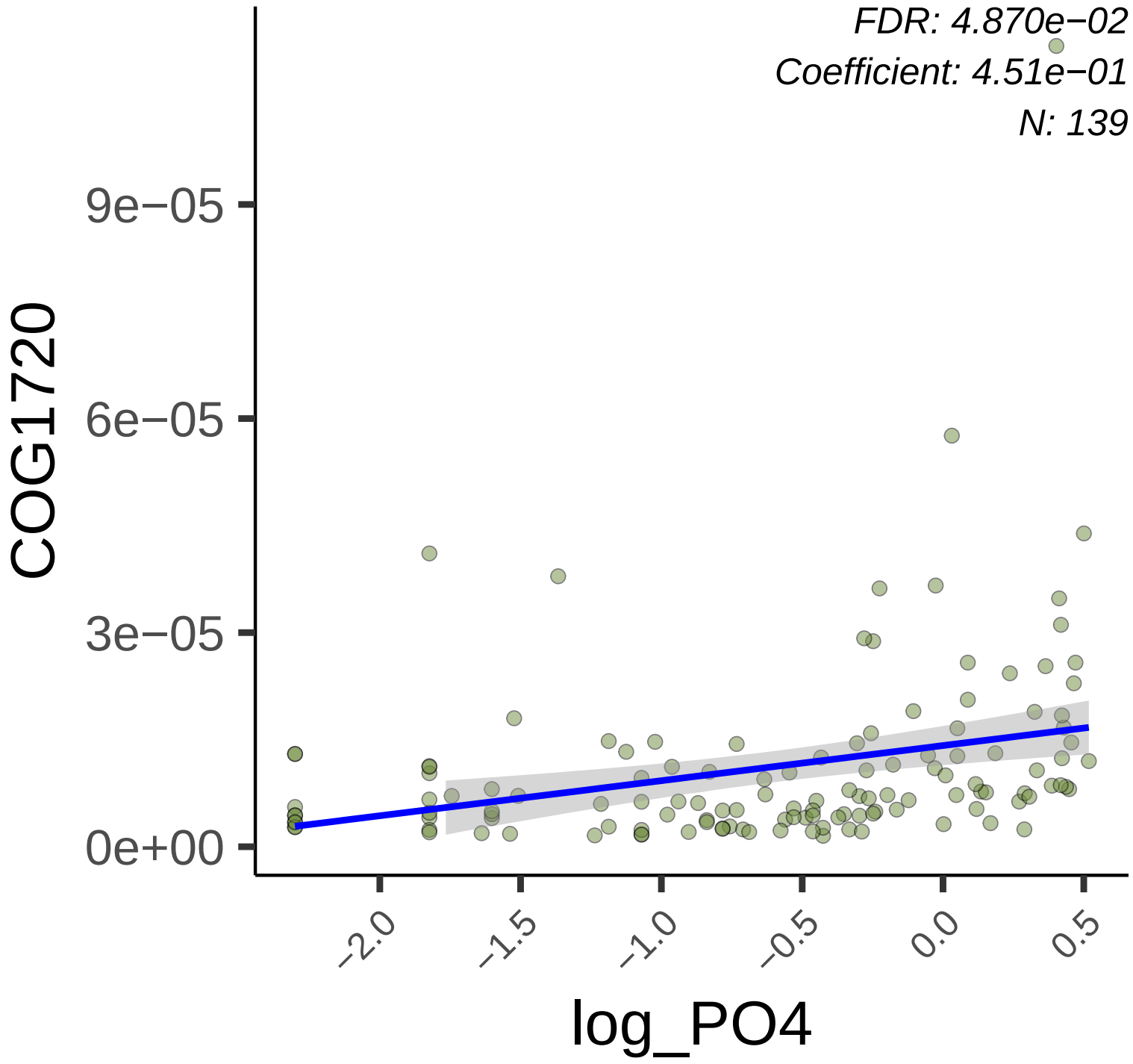
log_PO4


FDR: 4.870e−02
Coefficient: 4.51e−01
N: 139
COG1720
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6e−05
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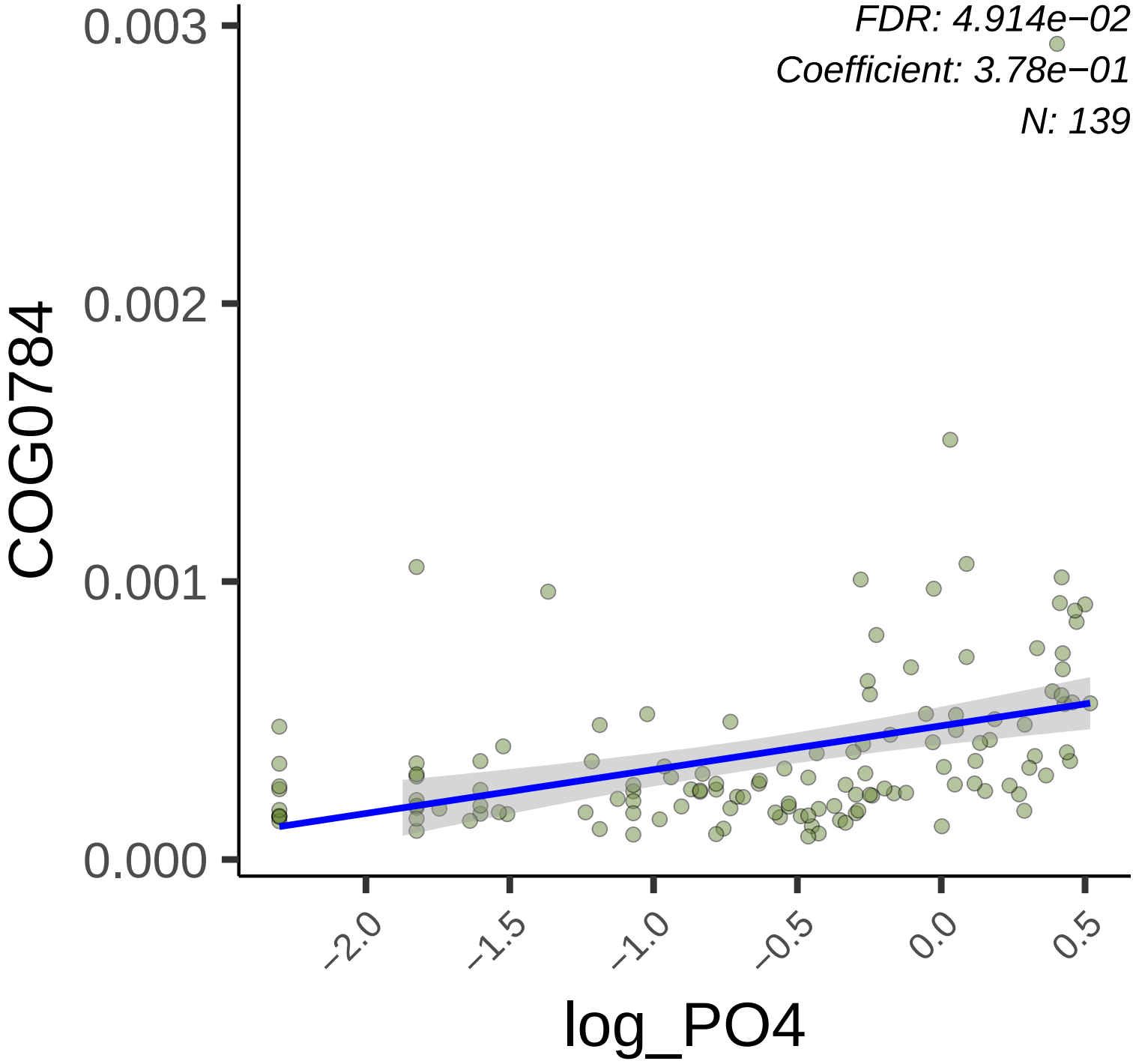
log_PO4


FDR: 4.914e−02
Coefficient: 3.78e−01
N: 139
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0.002
0.001
0.000
COG0784
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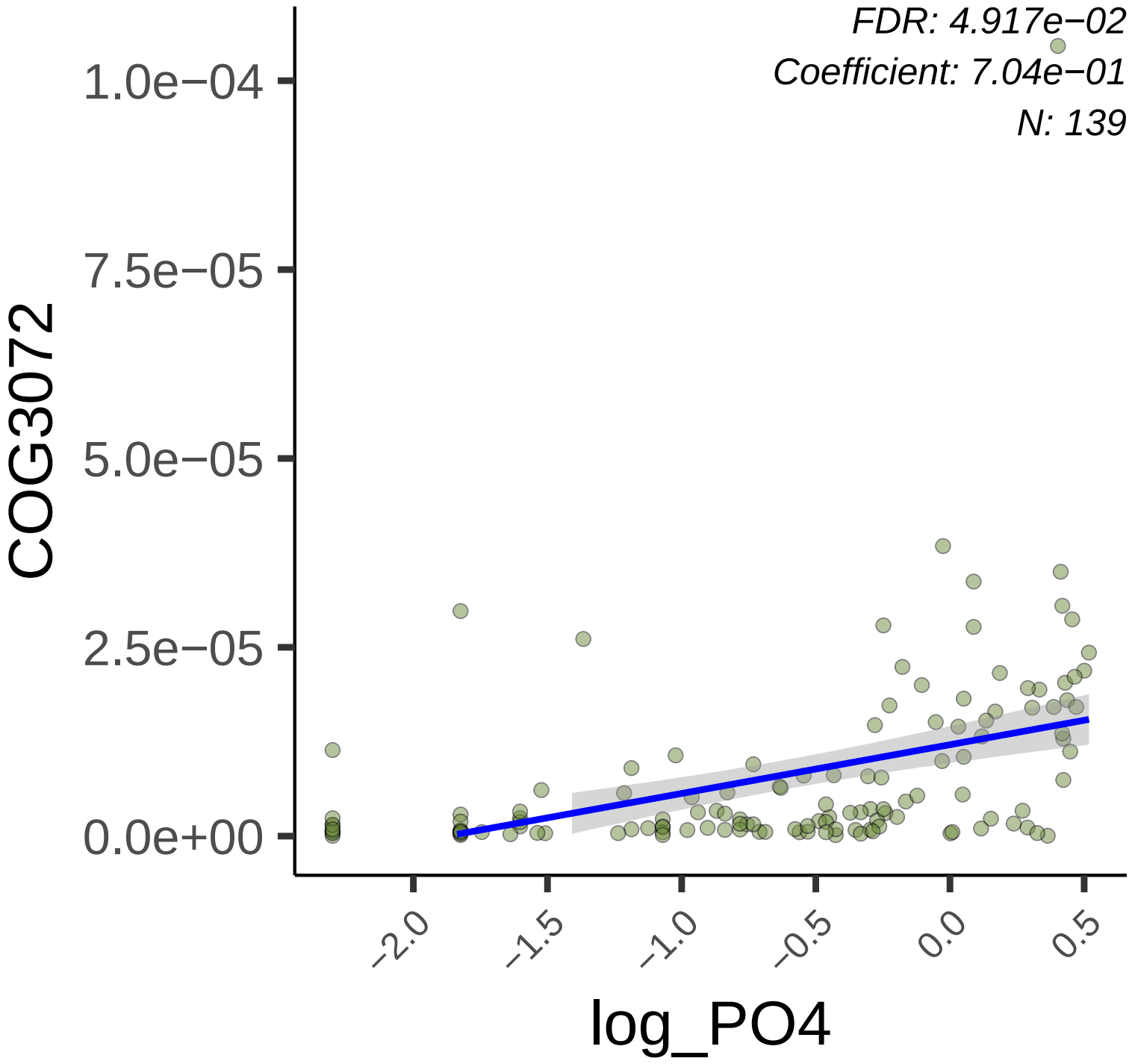
log_PO4


FDR: 4.917e−02
Coefficient: 7.04e−01
N: 139
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7.5e−05
5.0e−05
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COG3072
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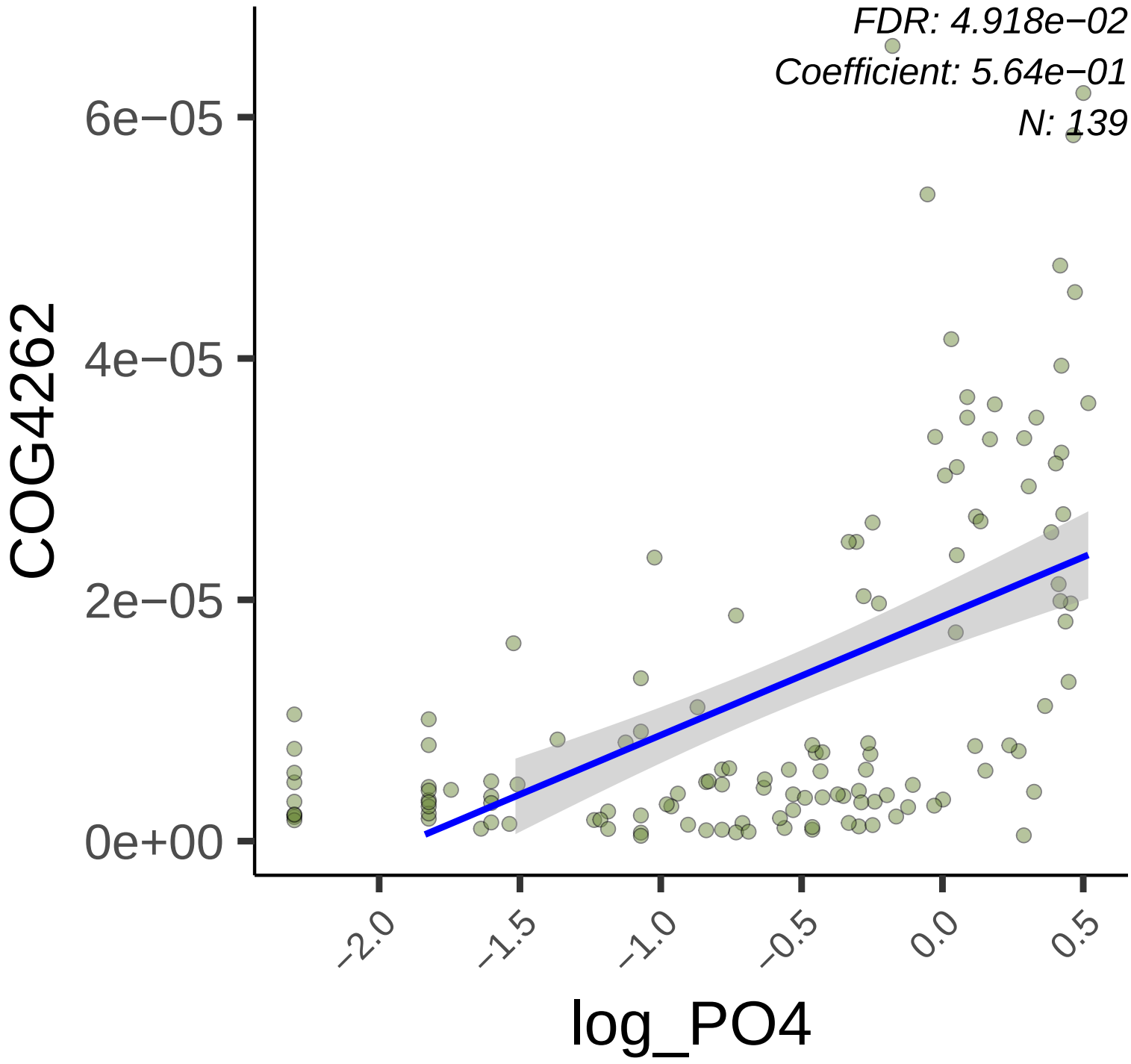
log_PO4


FDR: 4.918e−02
Coefficient: 5.64e−01
N: 139
COG4262
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4e−05
2e−05
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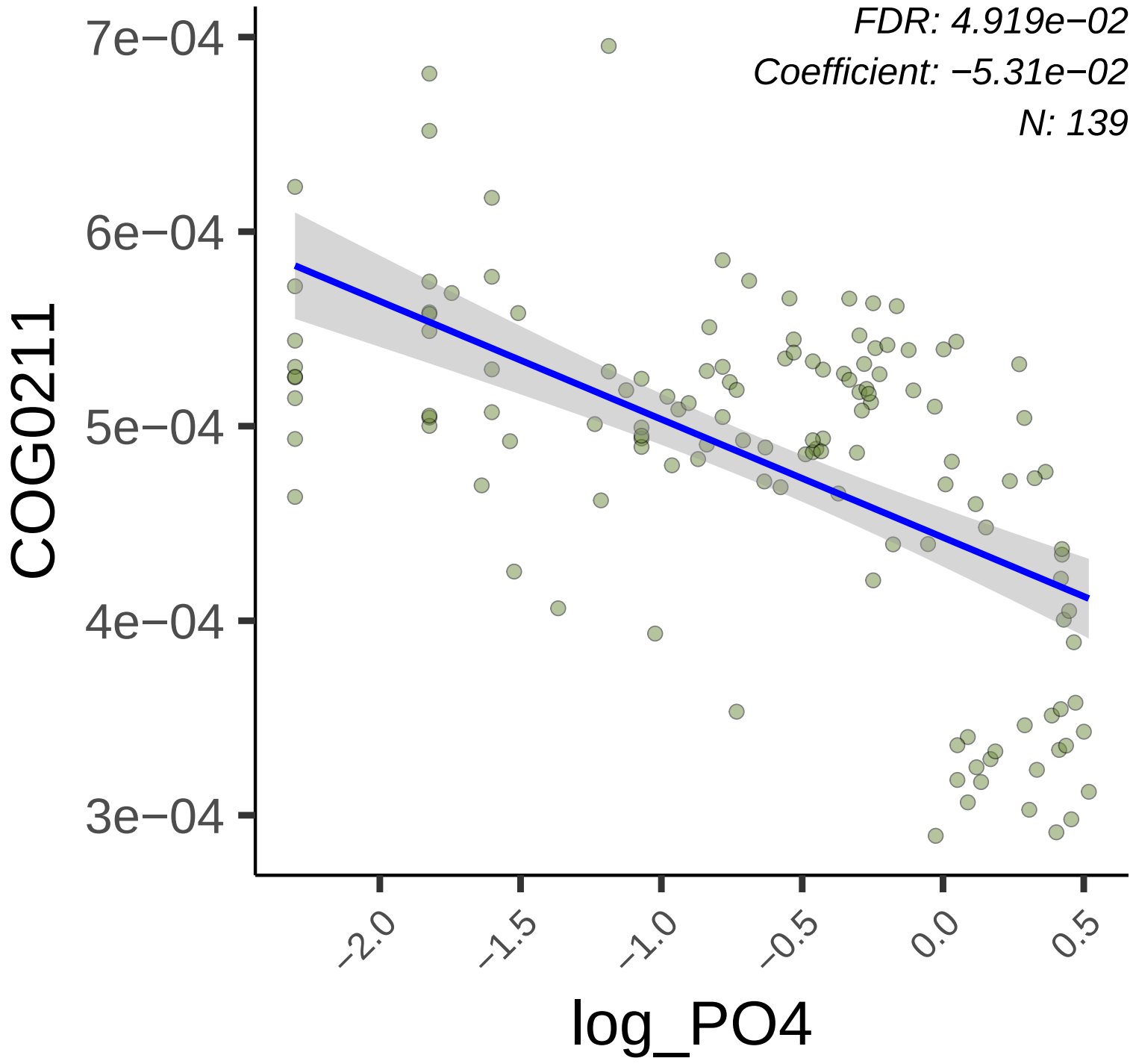
log_PO4


FDR: 4.919e−02
Coefficient: −5.31e−02
N: 139
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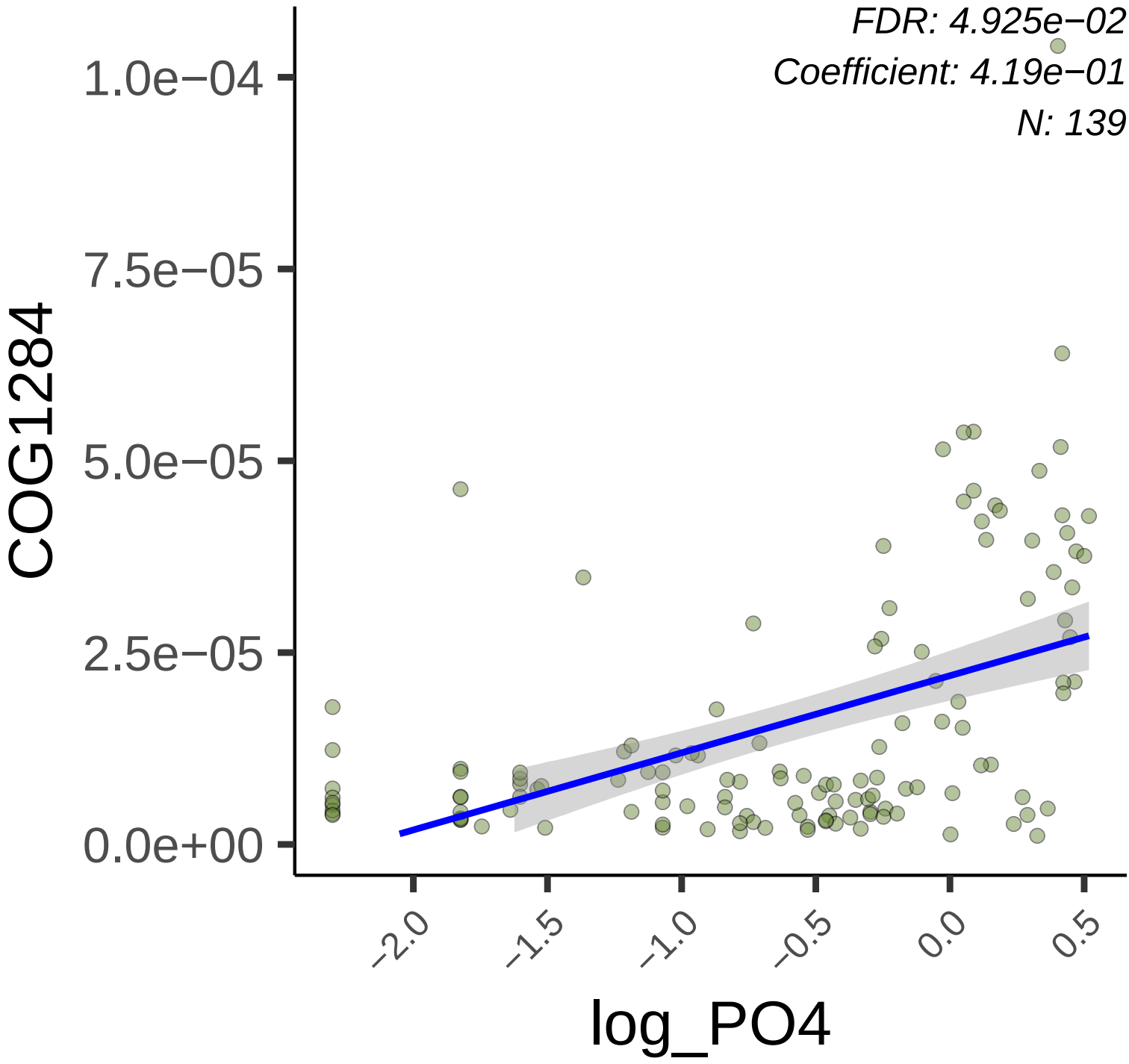
log_PO4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Coefficient: 4.19e−01
N: 139
COG1284
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5.0e−05
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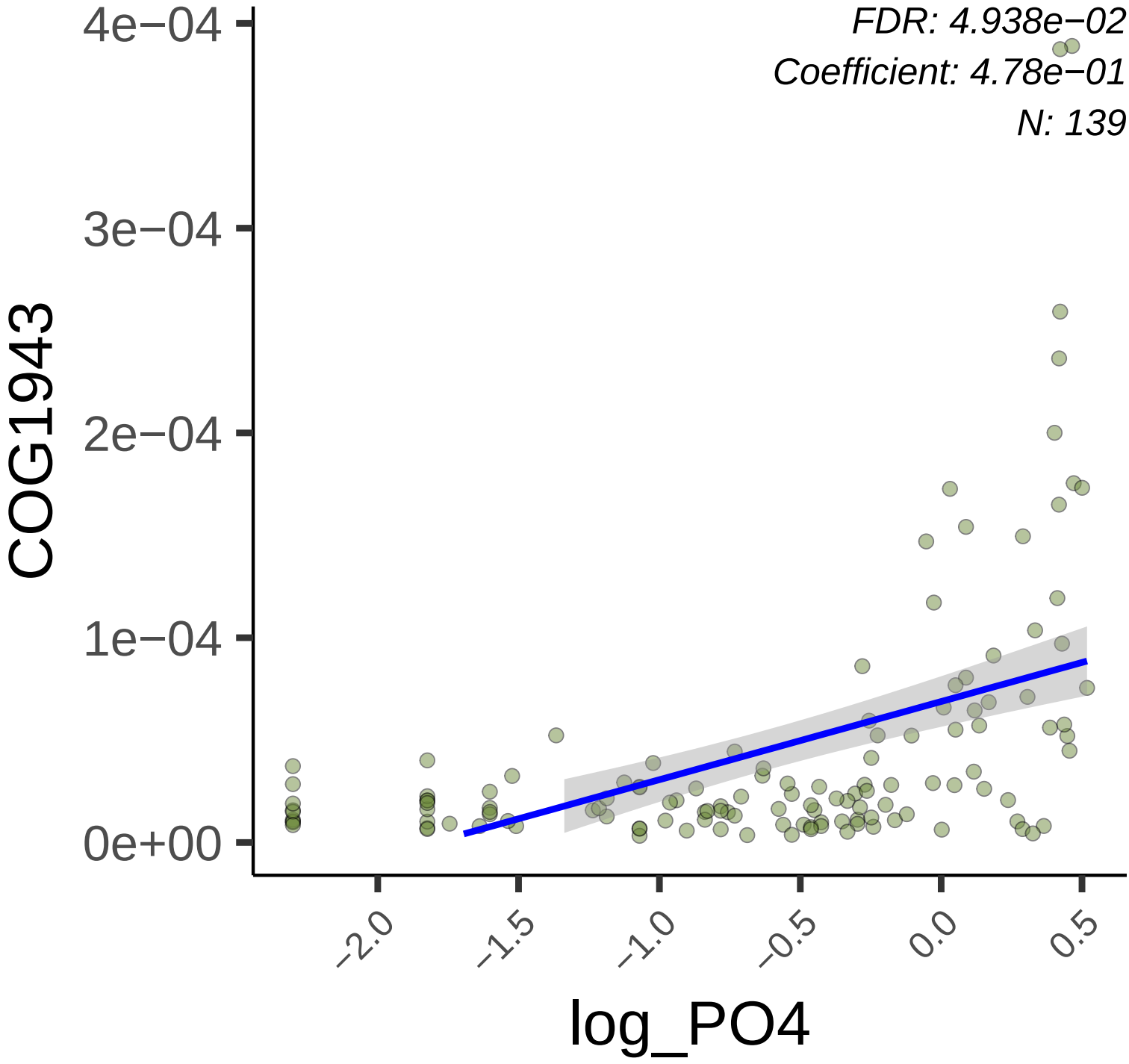
log_PO4


FDR: 4.938e−02
Coefficient: 4.78e−01
N: 139
COG1943
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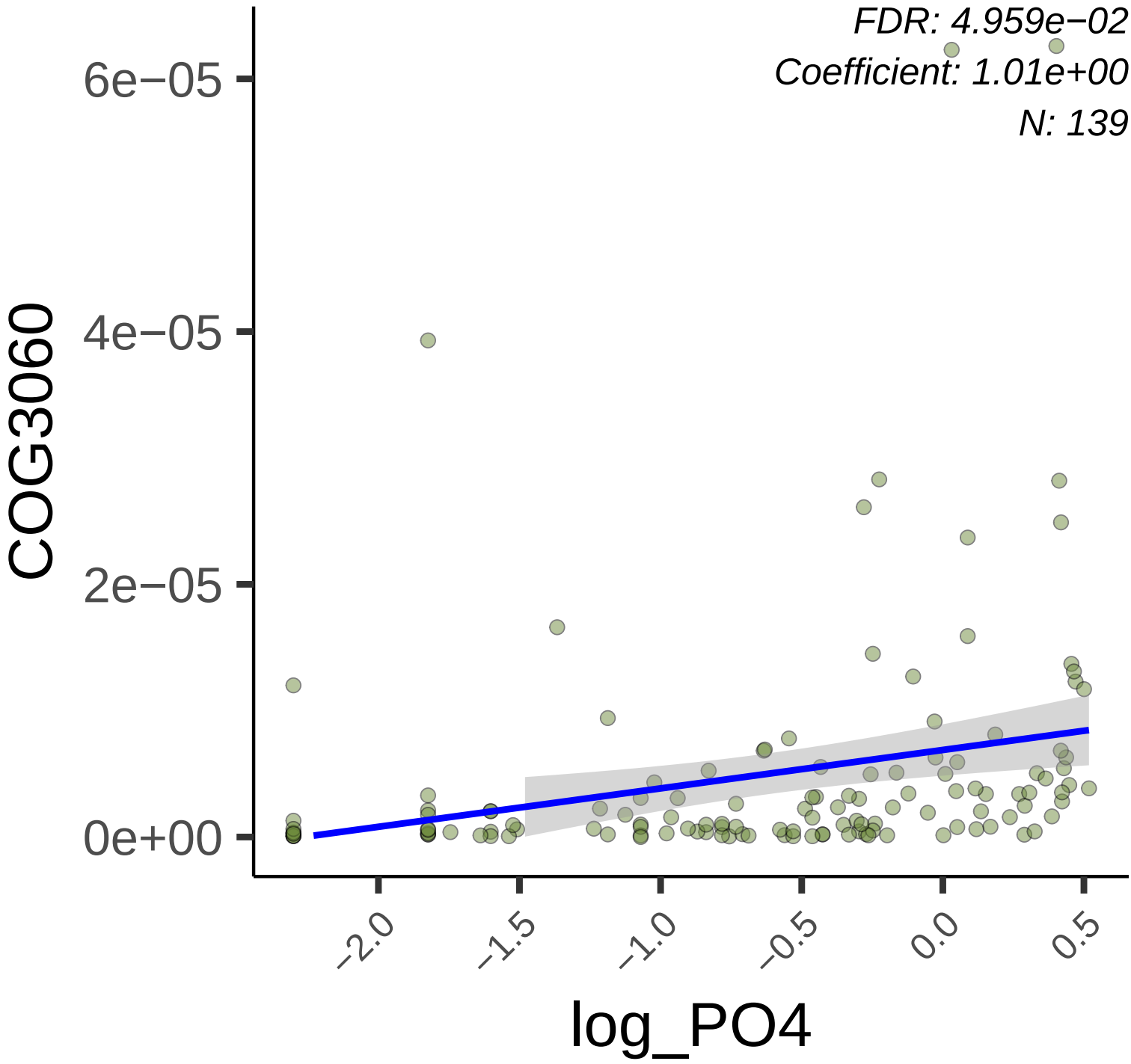
log_PO4


FDR: 4.959e−02
Coefficient: 1.01e+00
N: 139
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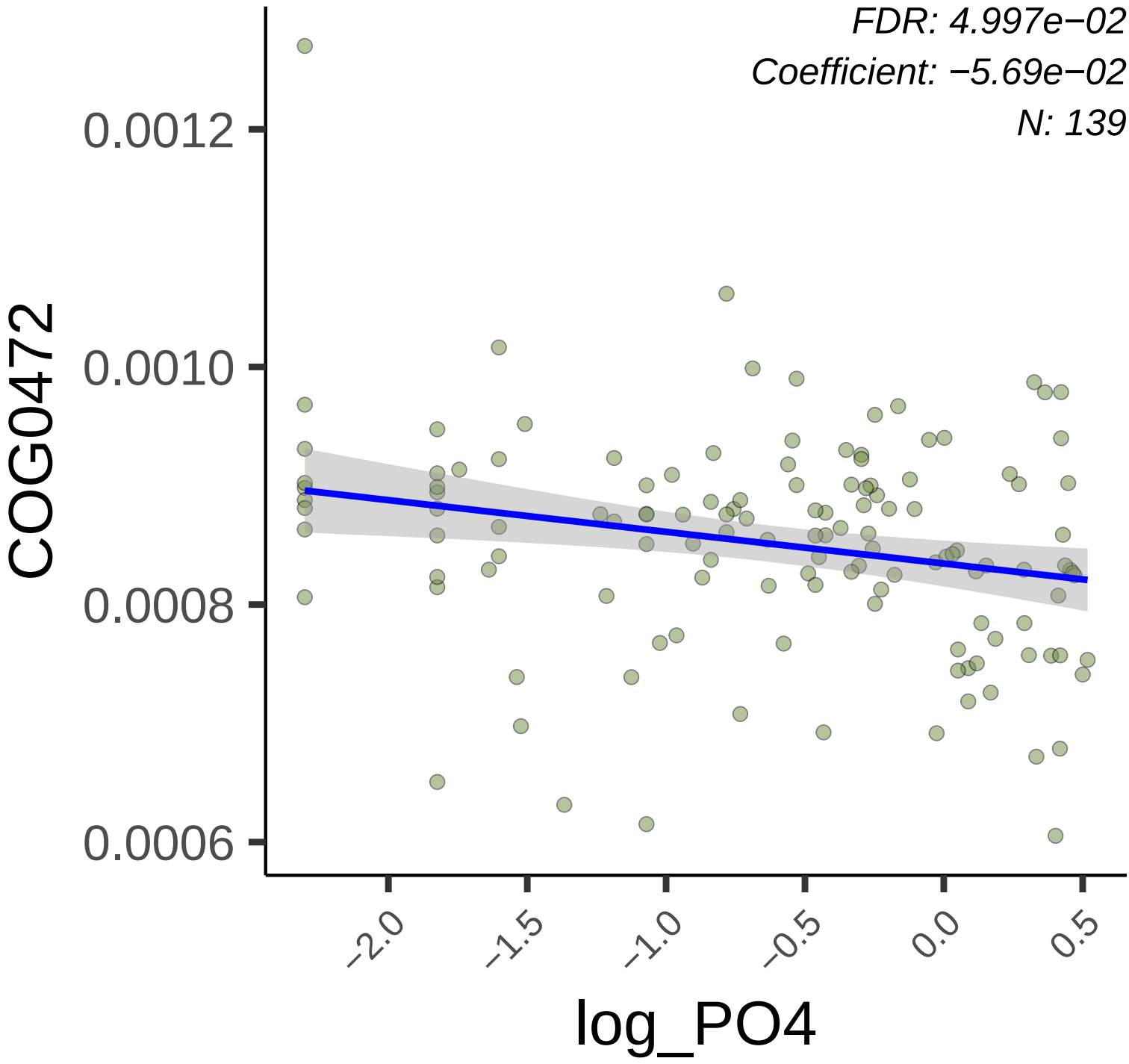
log_PO4


FDR: 4.997e−02
Coefficient: −5.69e−02
N: 139
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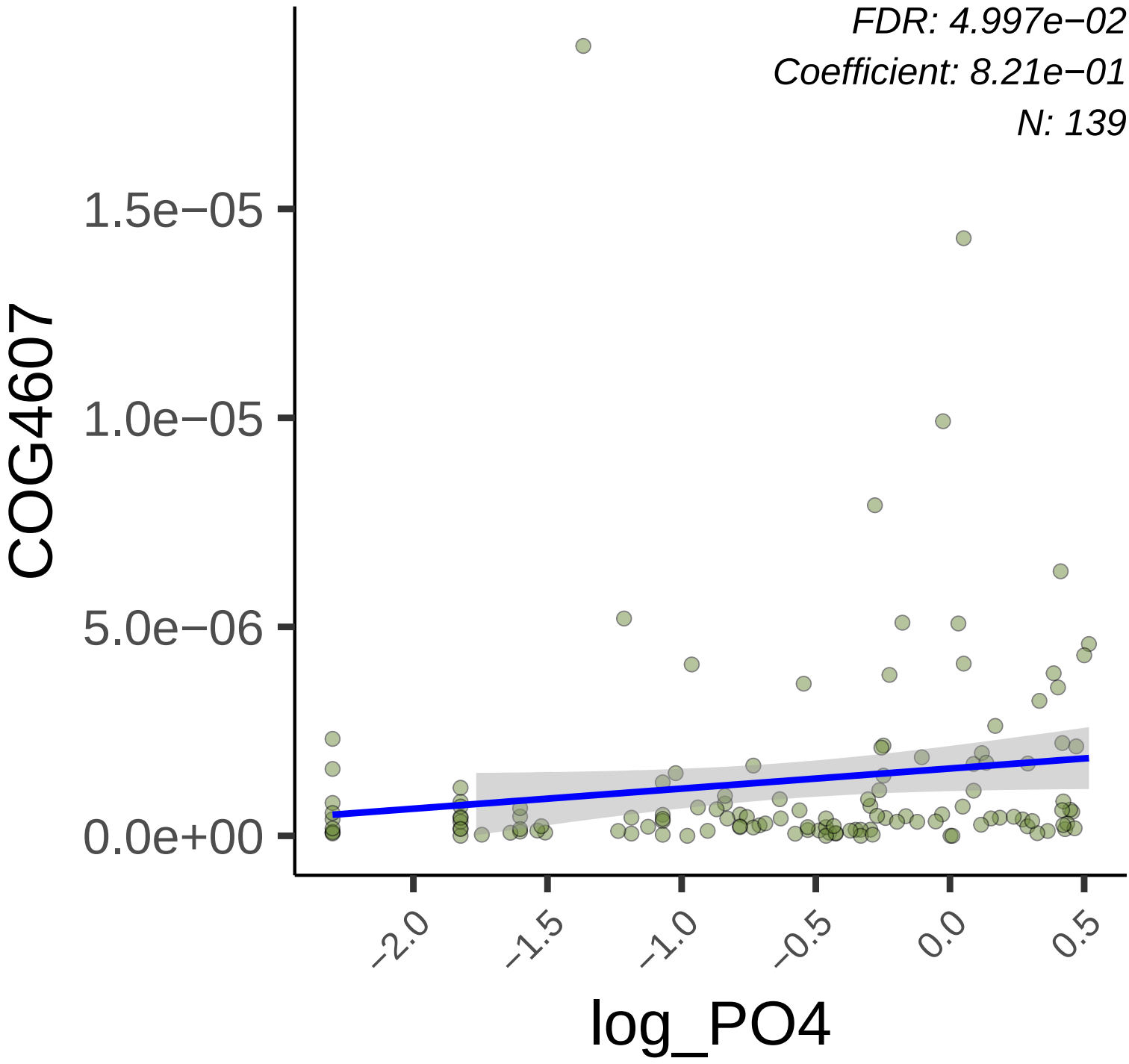
log_PO4


FDR: 4.997e−02
Coefficient: 8.21e−01
N: 139
COG4607
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log_PO4