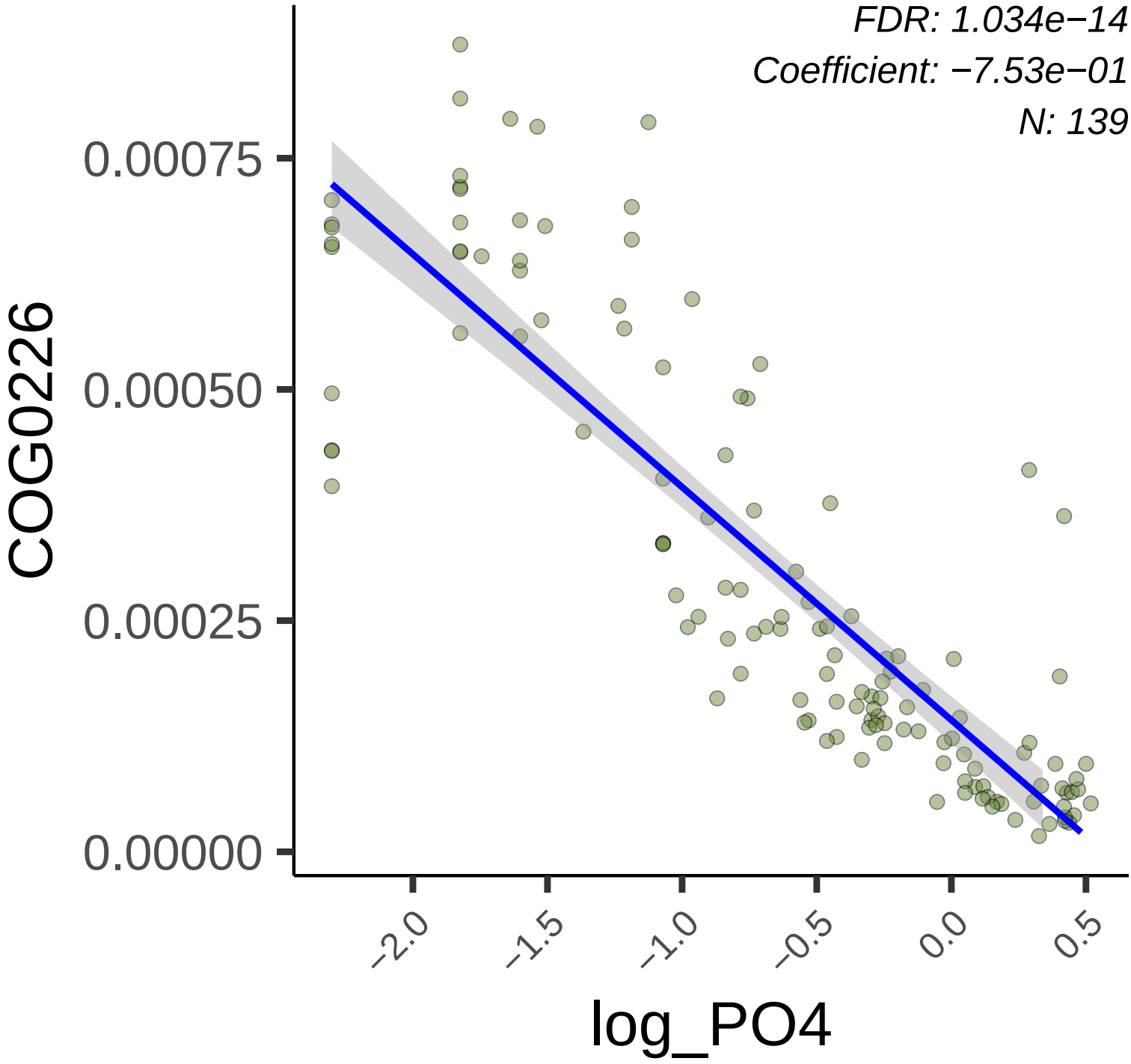
FDR: 1.034e−14
Coefficient: −7.53e−01
N: 139
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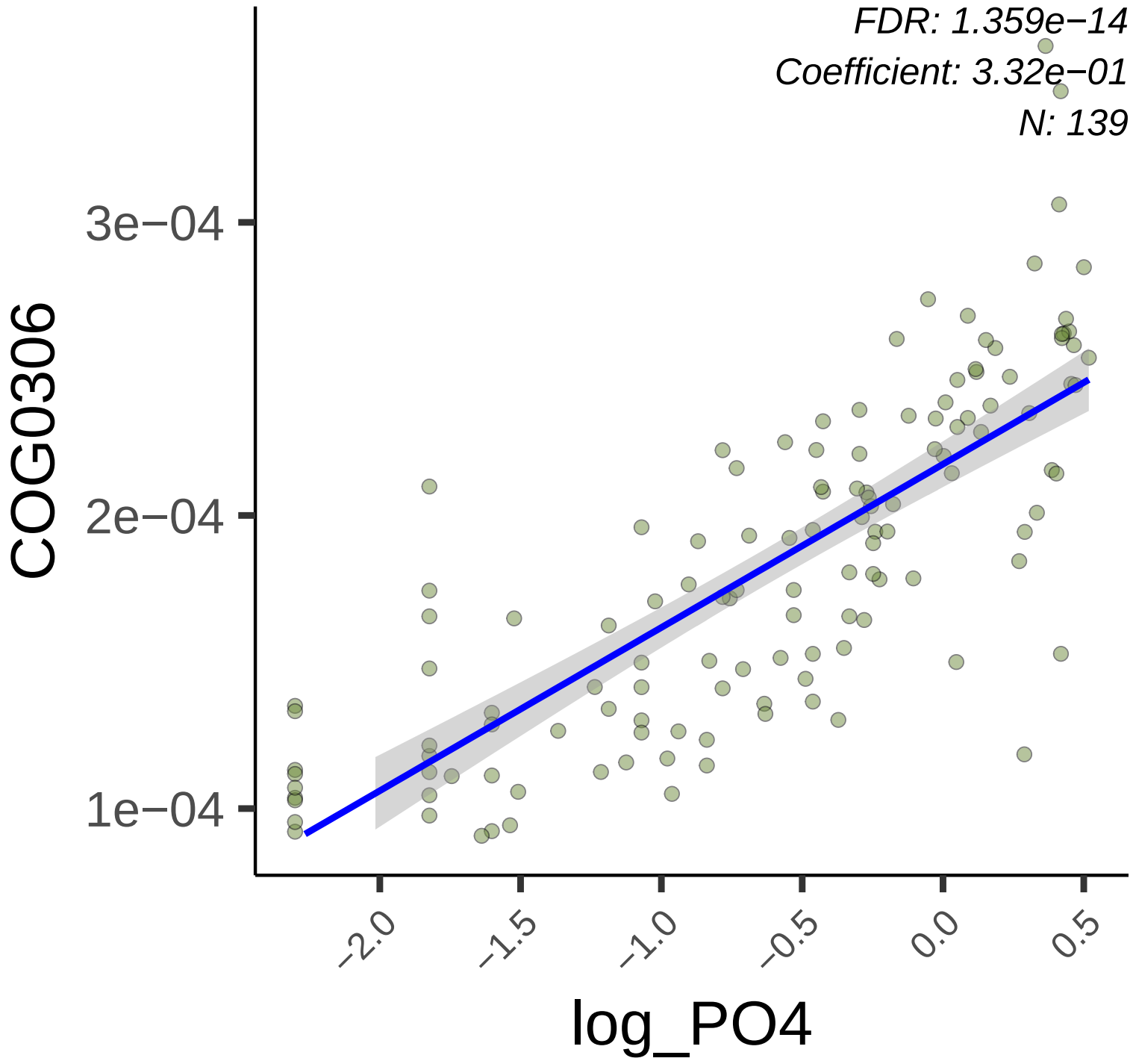
log_PO4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Coefficient: 3.32e−01
N: 139
COG0306
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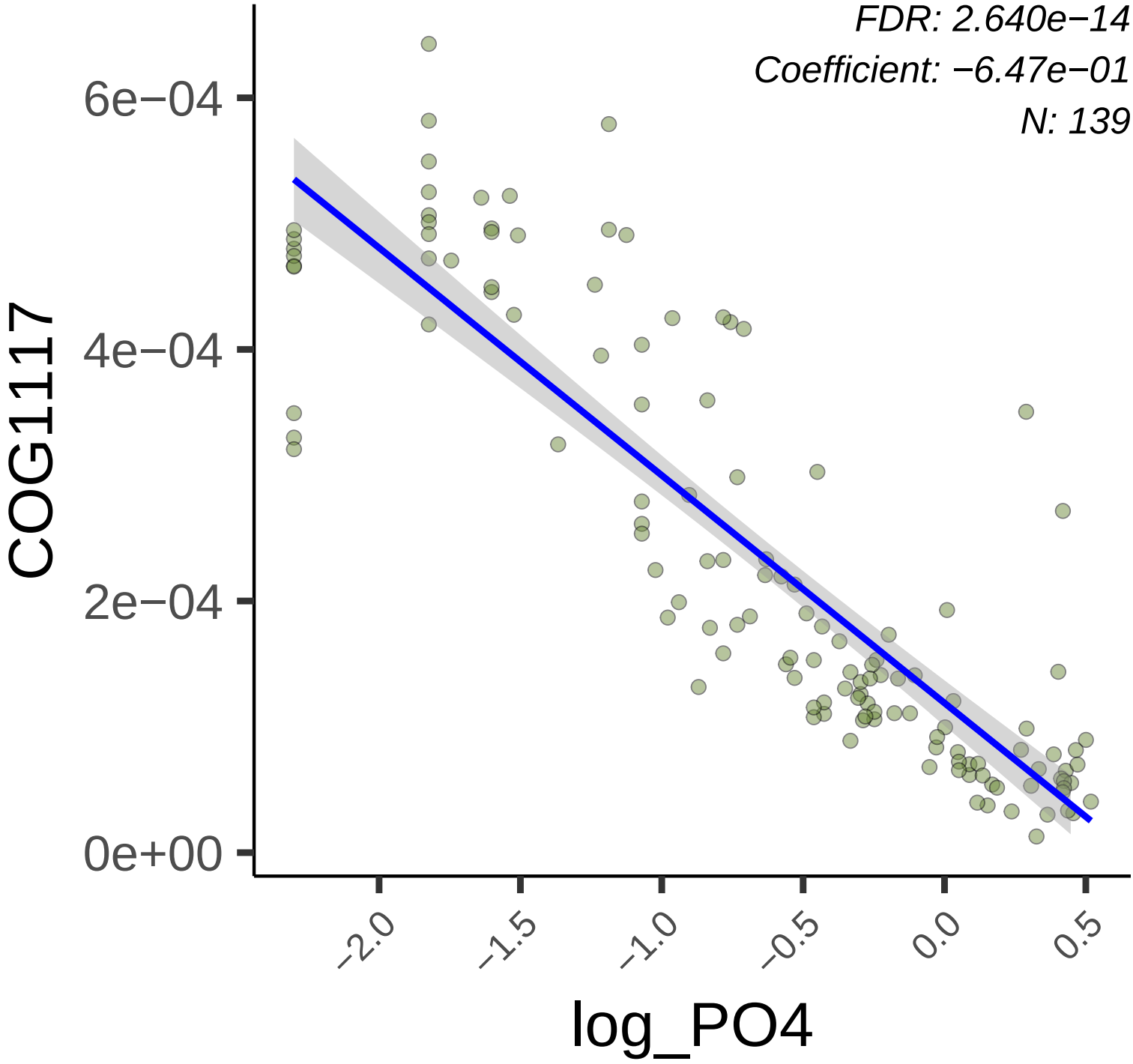
log_PO4


FDR: 2.640e−14
Coefficient: −6.47e−01
N: 139
COG1117
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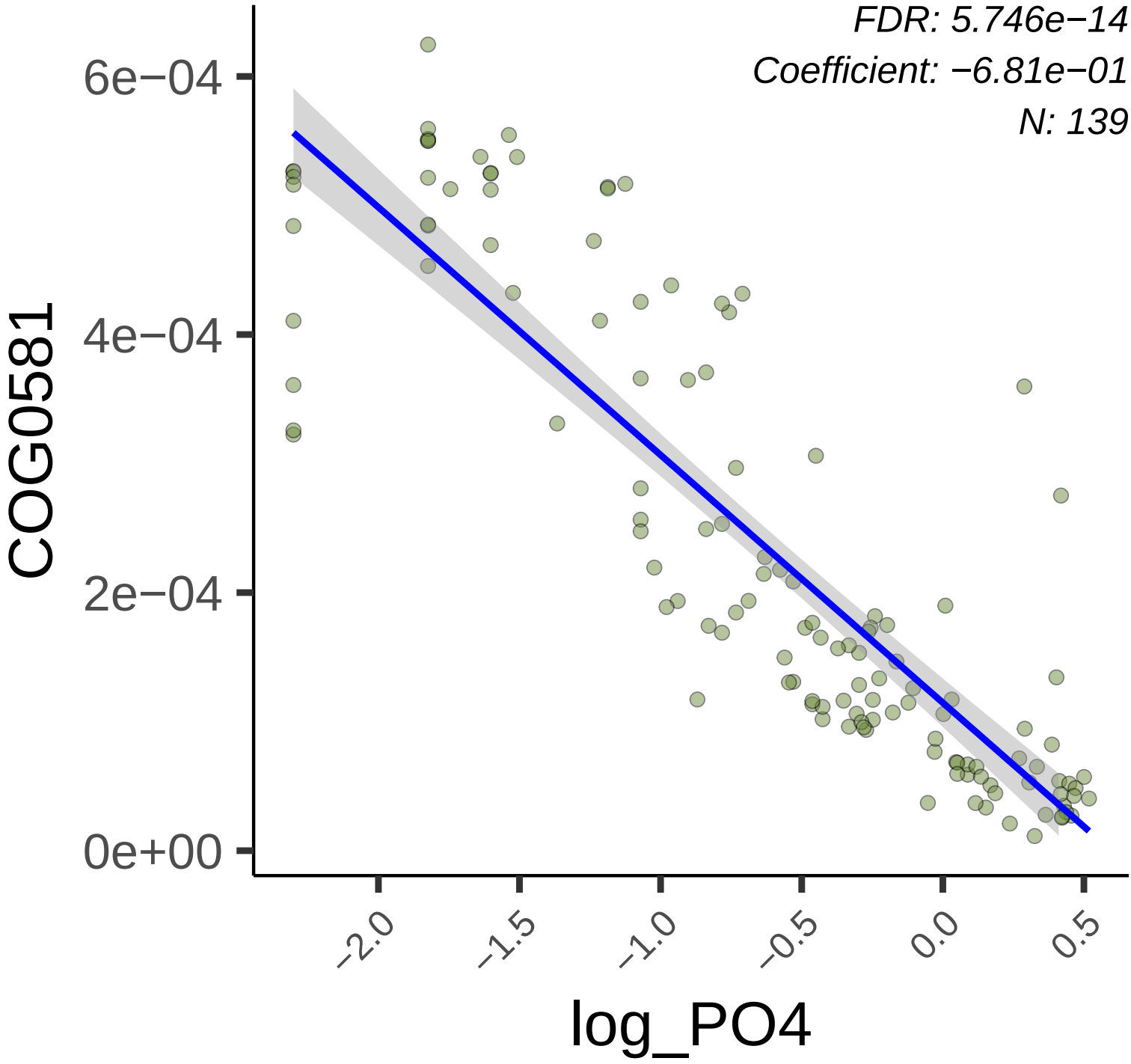
log_PO4


FDR: 5.746e−14
Coefficient: −6.81e−01
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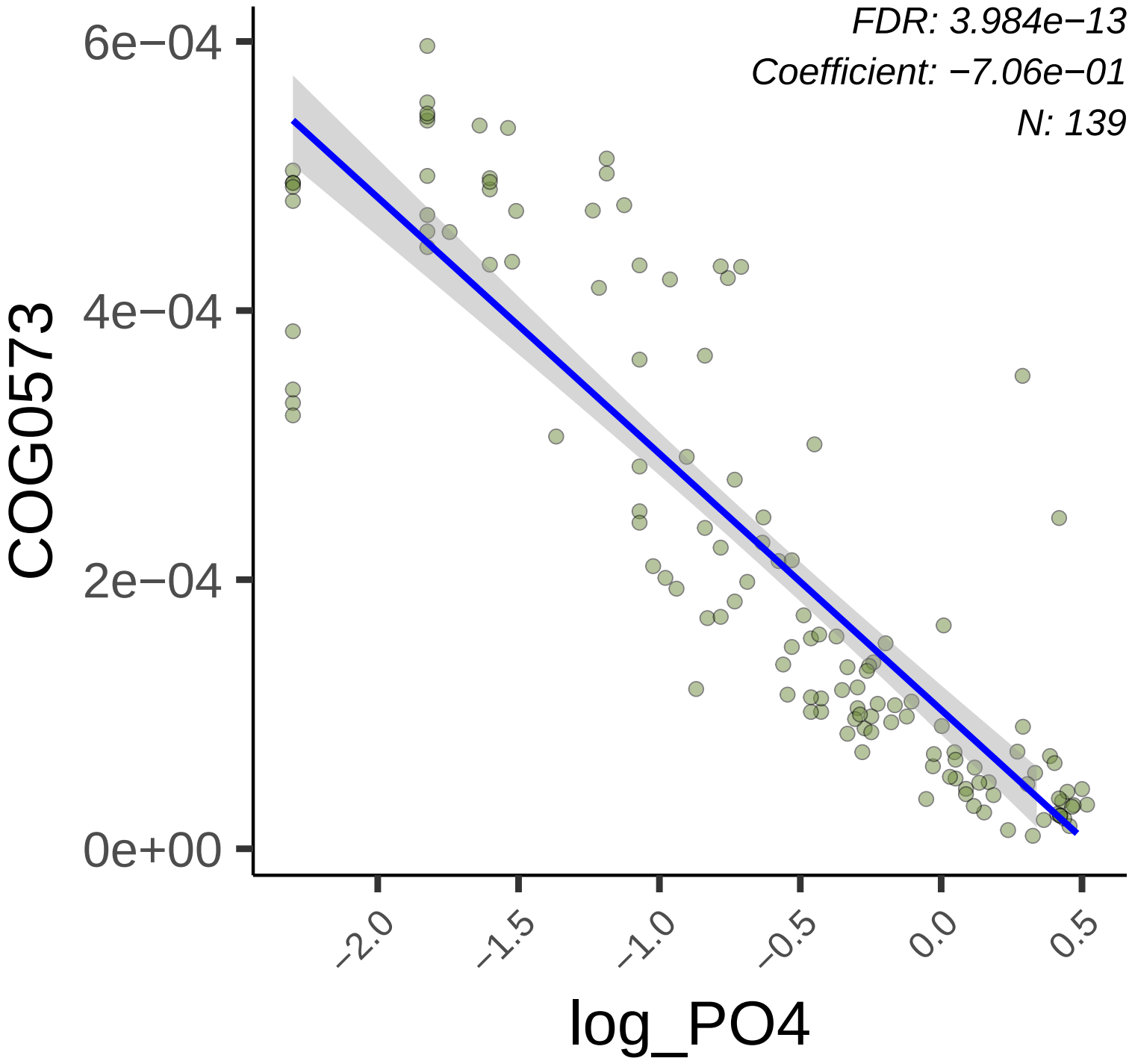
log_PO4


FDR: 3.984e−13
Coefficient: −7.06e−01
N: 139
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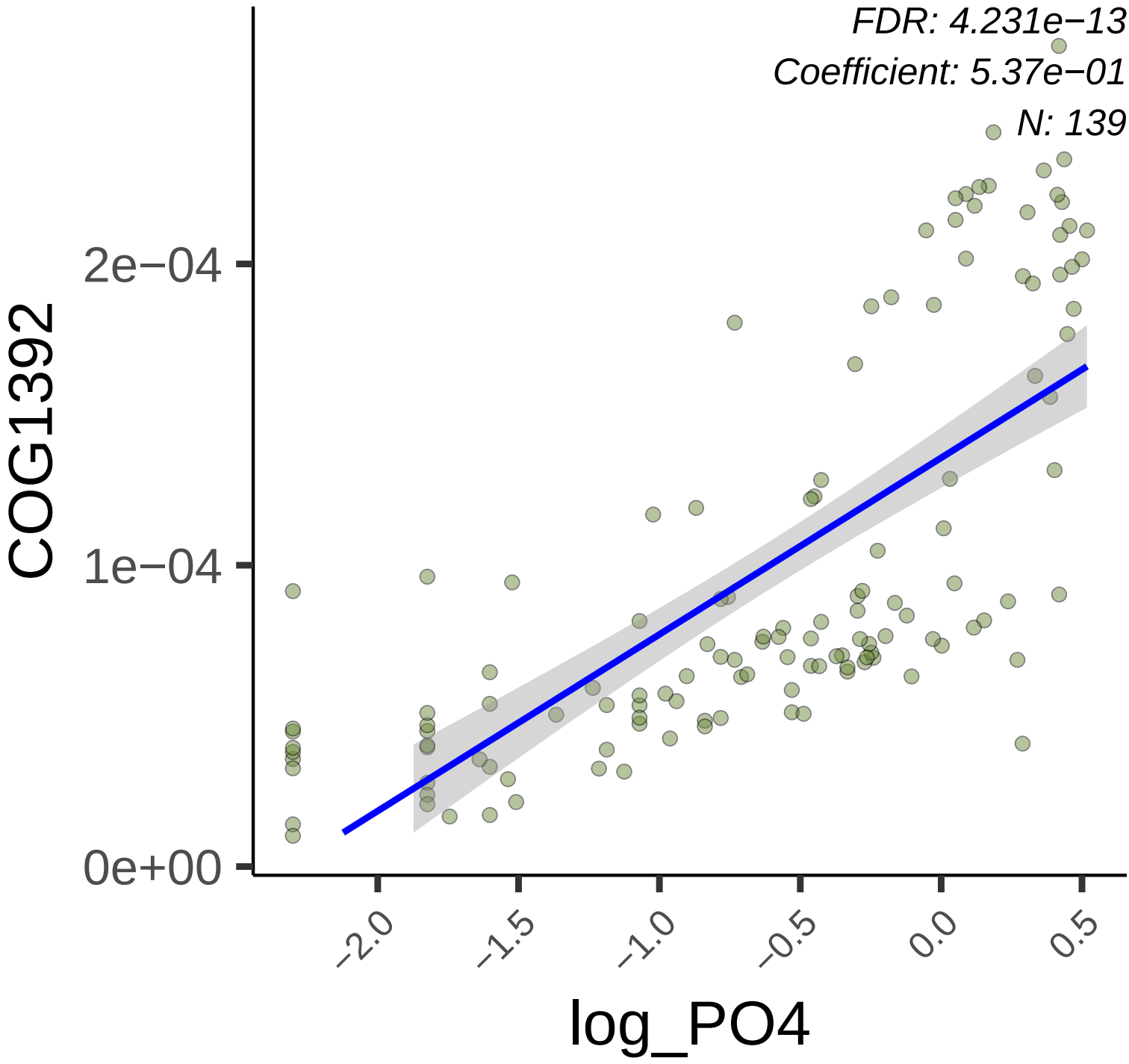
log_PO4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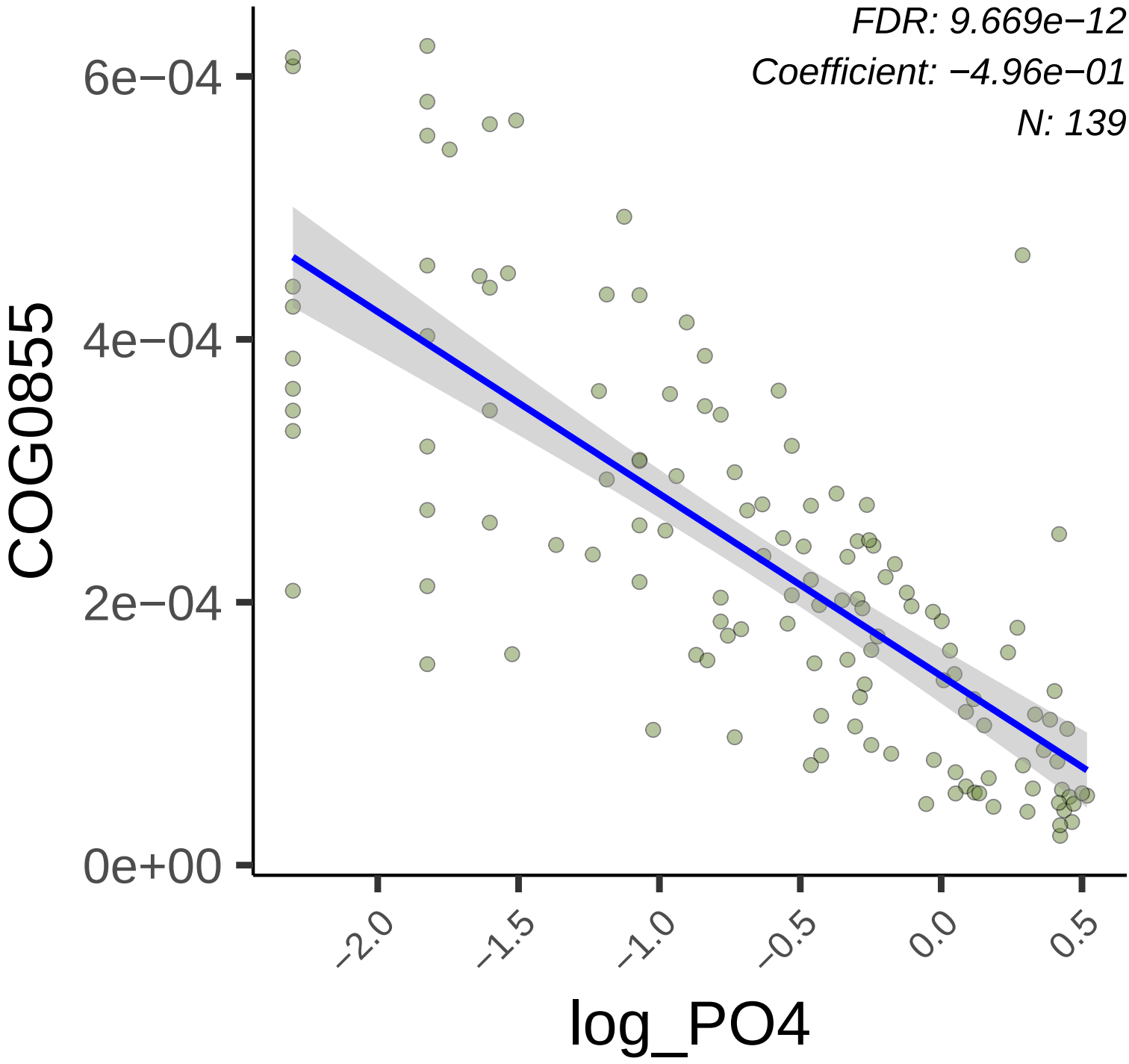
log_PO4


FDR: 9.669e−12
Coefficient: −4.96e−01
N: 139
COG0855
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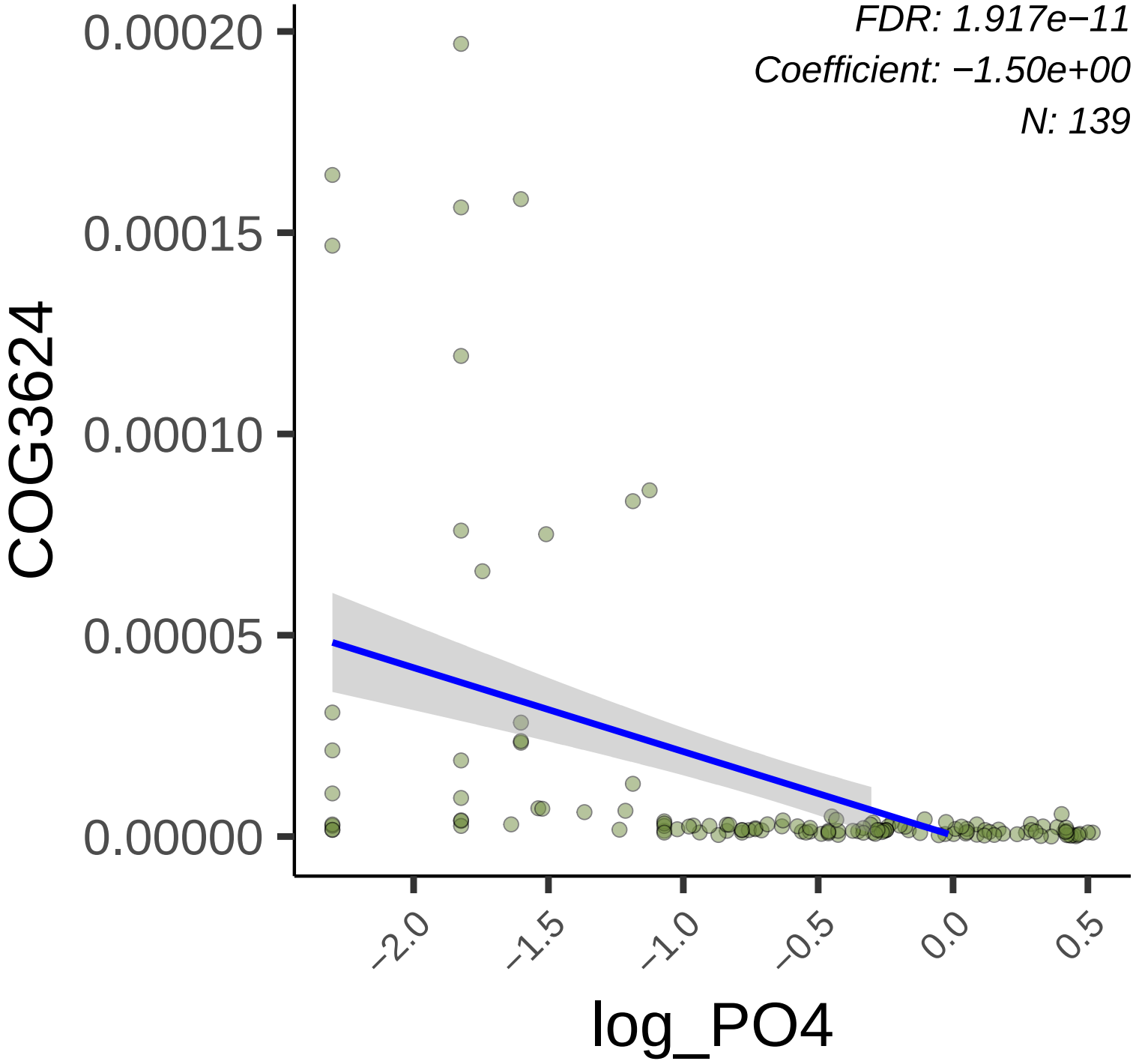
log_PO4


FDR: 1.917e−11
Coefficient: −1.50e+00
N: 139
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COG3624
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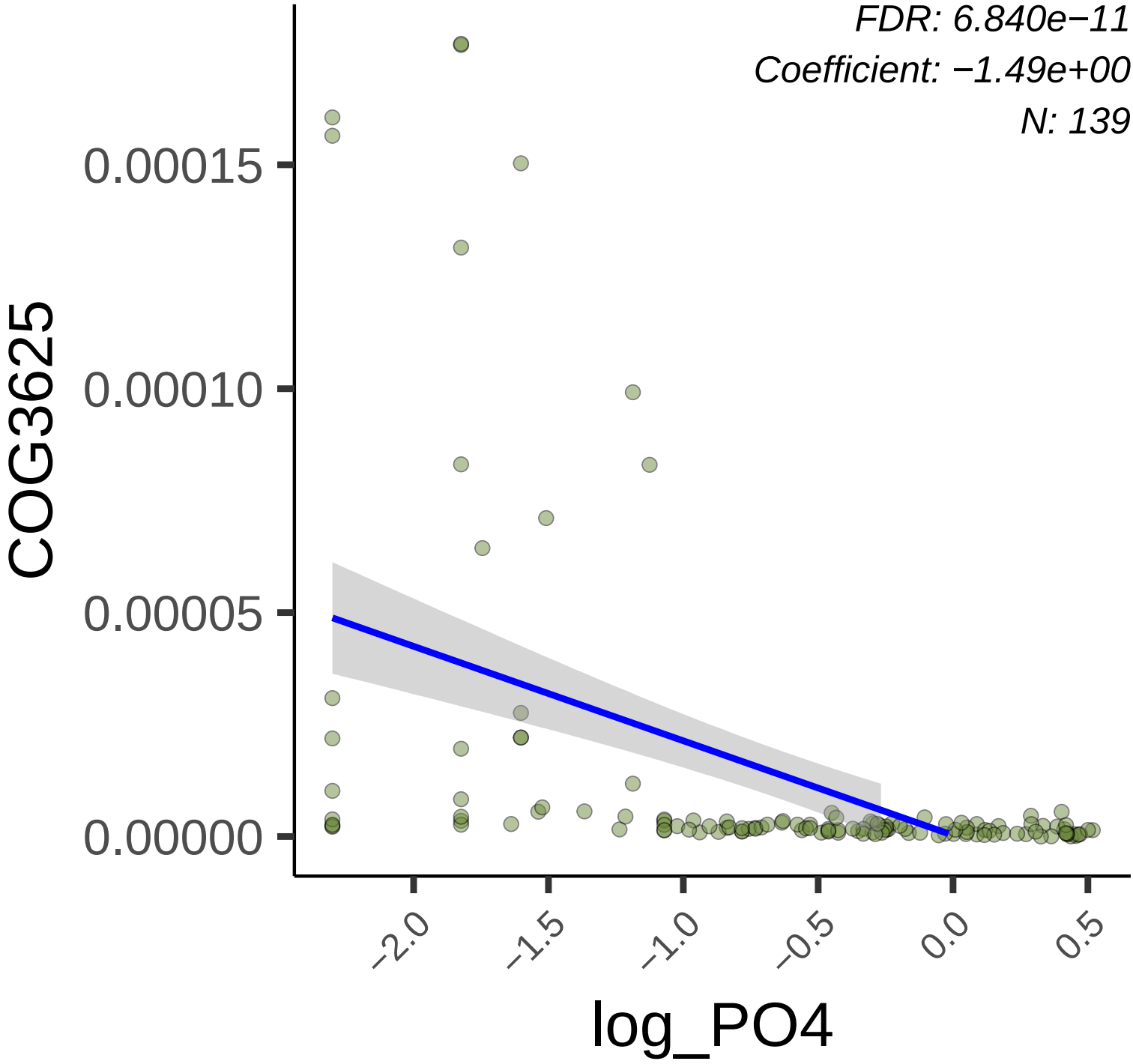
log_PO4


FDR: 6.840e−11
Coefficient: −1.49e+00
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COG3625
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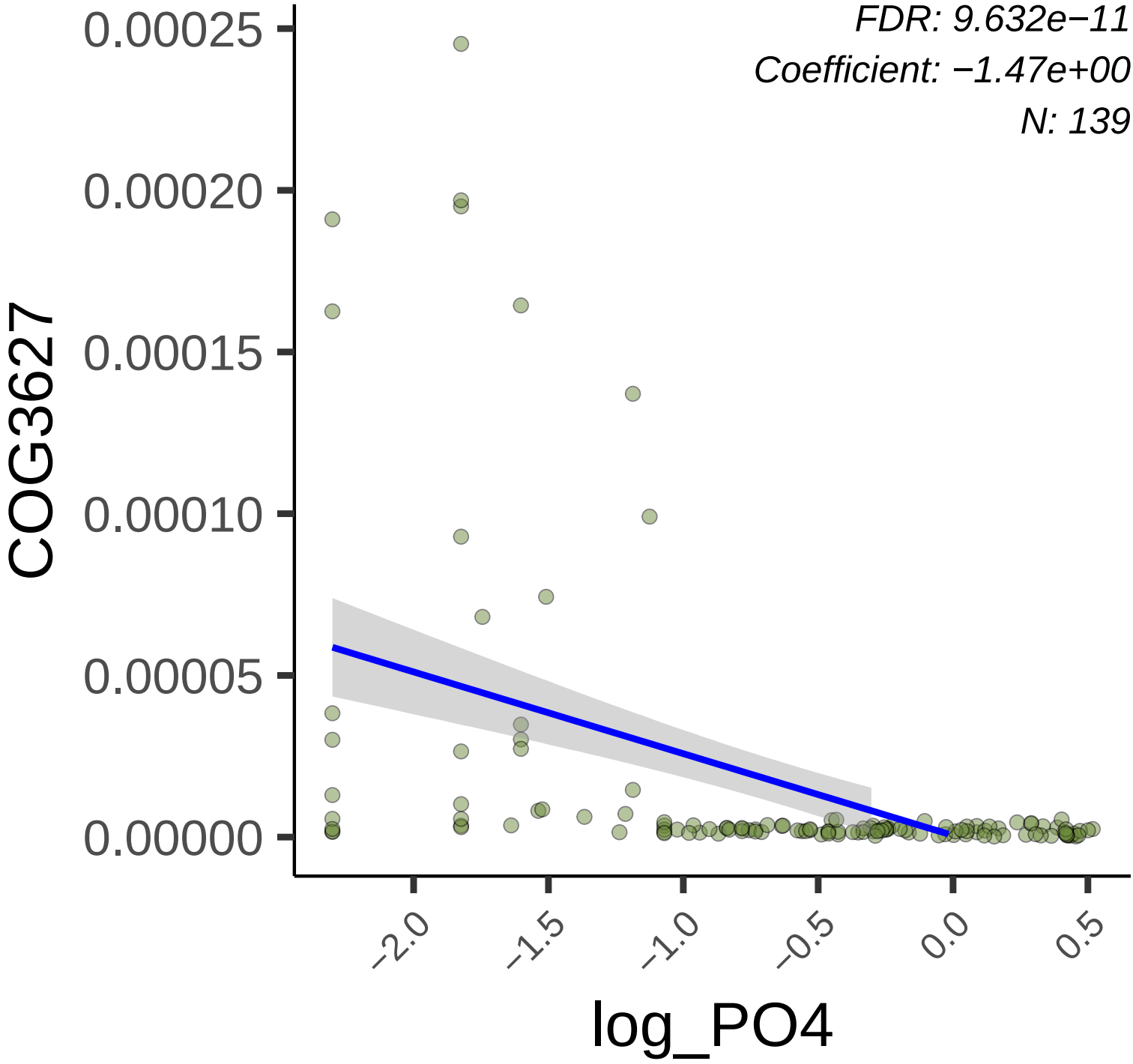
log_PO4


FDR: 9.632e−11
Coefficient: −1.47e+00
N: 139
COG3627
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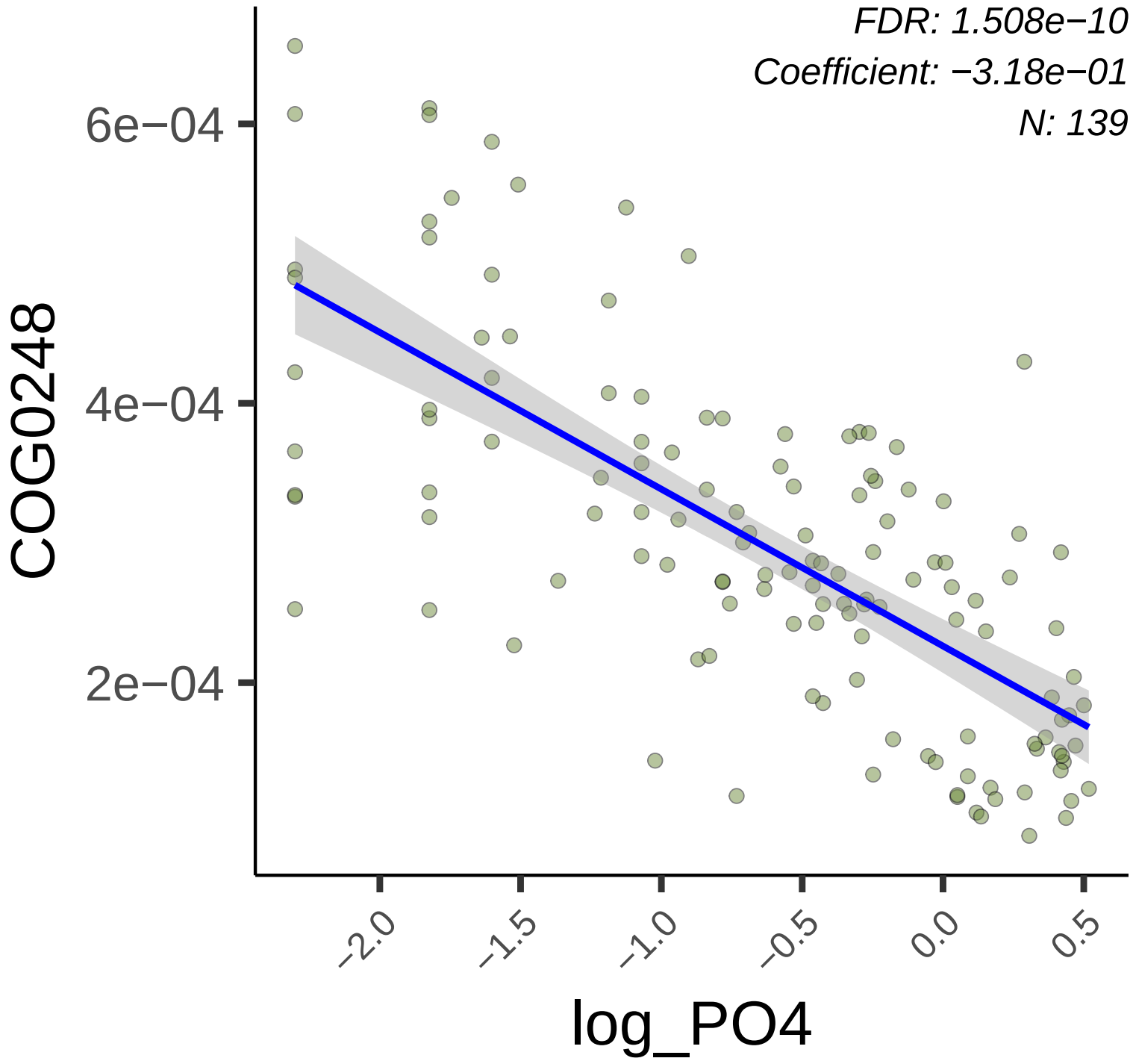
log_PO4


FDR: 1.508e−10
Coefficient: −3.18e−01
N: 139
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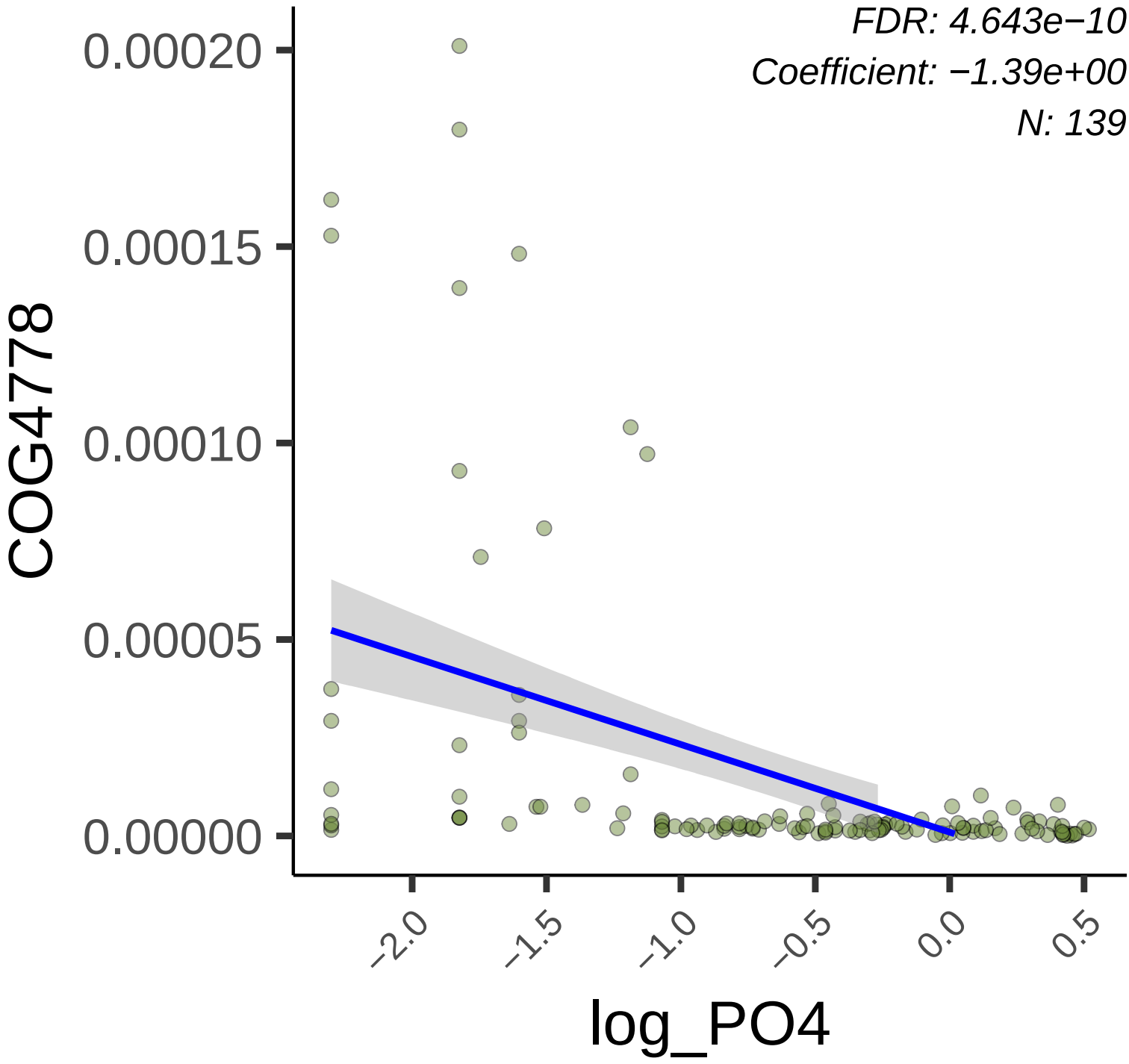
log_PO4


FDR: 4.643e−10
Coefficient: −1.39e+00
N: 139
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COG4778
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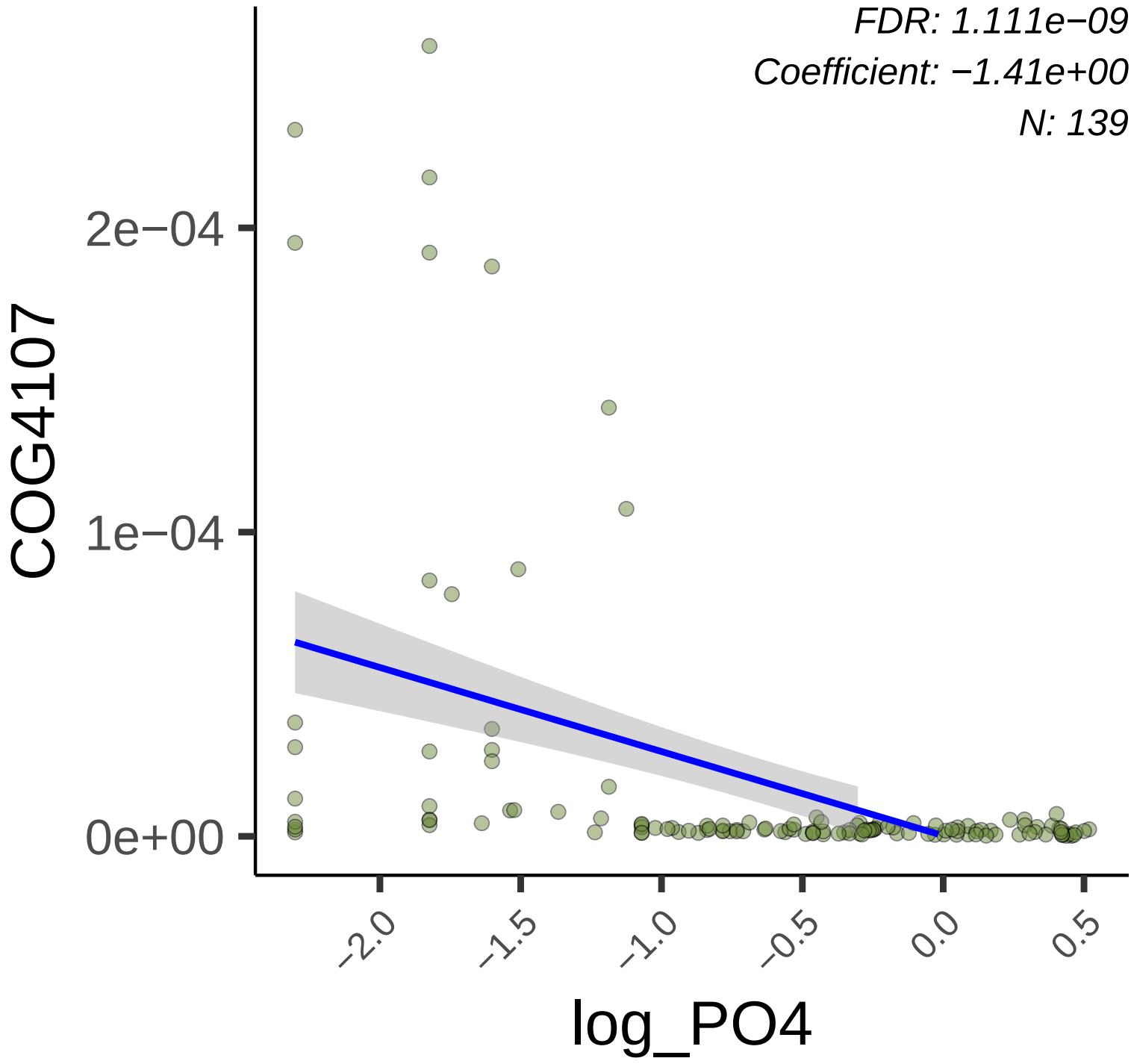
log_PO4


FDR: 1.111e−09
Coefficient: −1.41e+00
N: 139
COG4107
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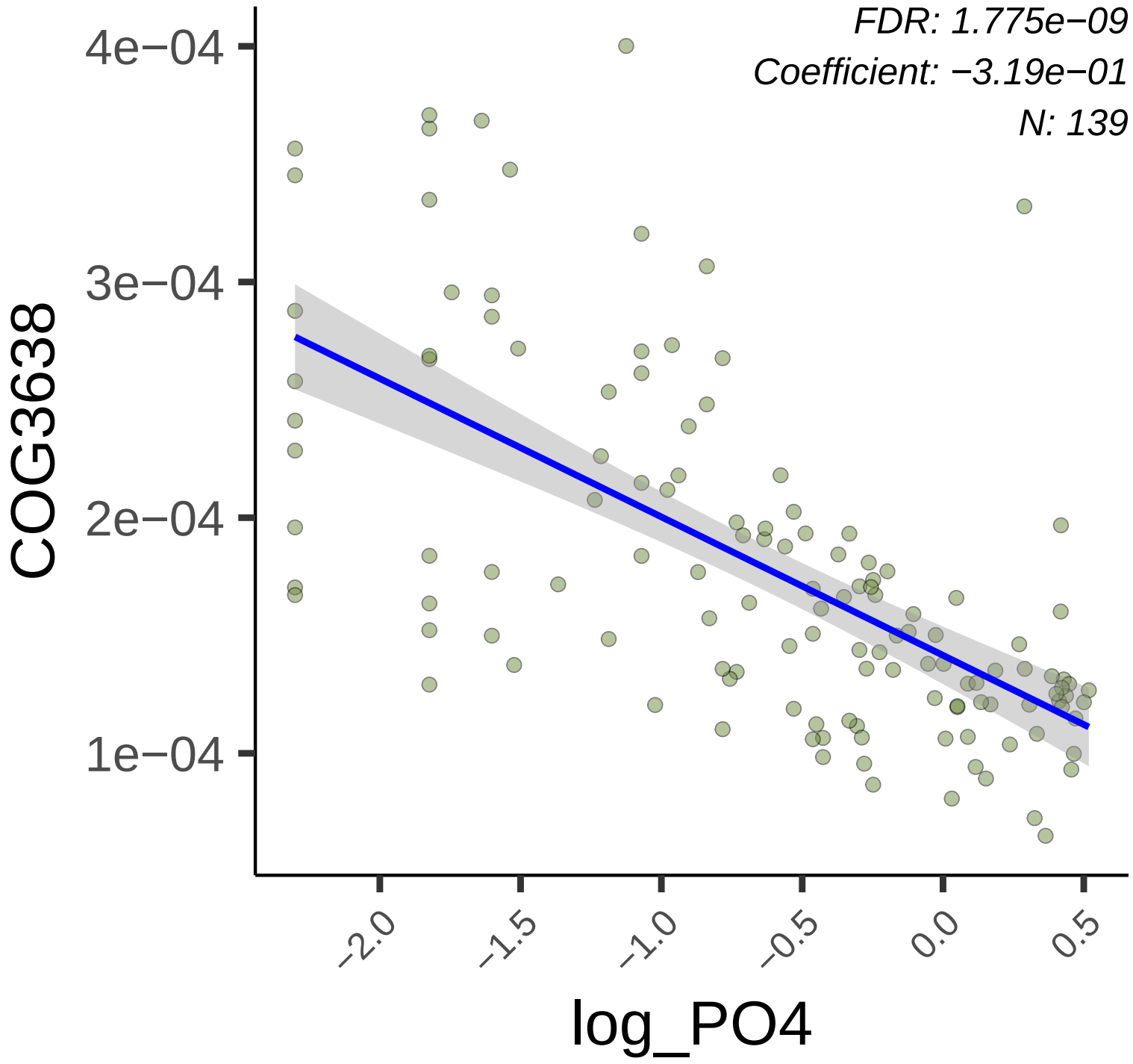
log_PO4


FDR: 1.775e−09
Coefficient: −3.19e−01
N: 139
4e−04
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COG3638
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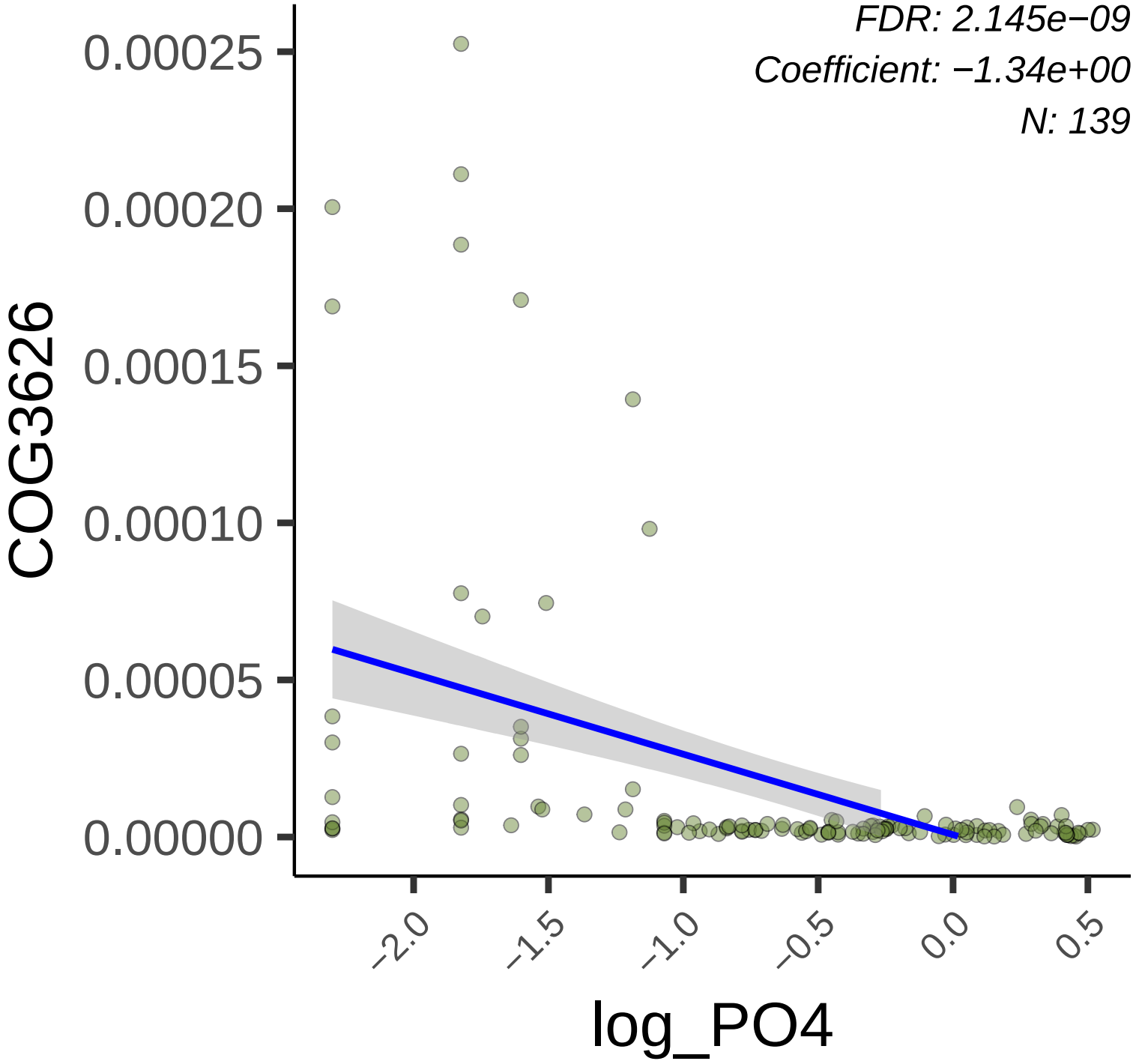
log_PO4


FDR: 2.145e−09
Coefficient: −1.34e+00
N: 139
COG3626
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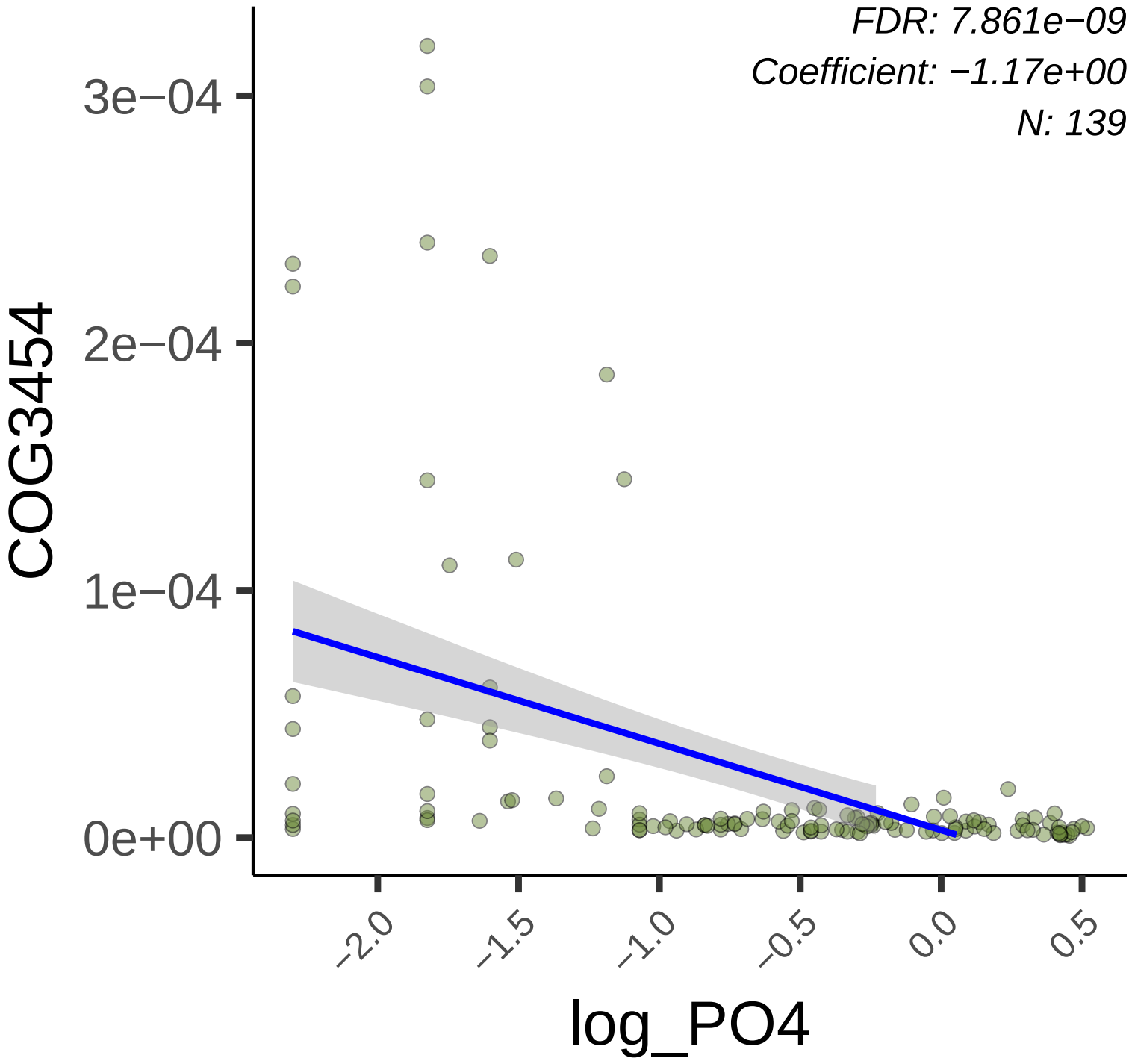
log_PO4


FDR: 7.861e−09
Coefficient: −1.17e+00
N: 139
COG3454
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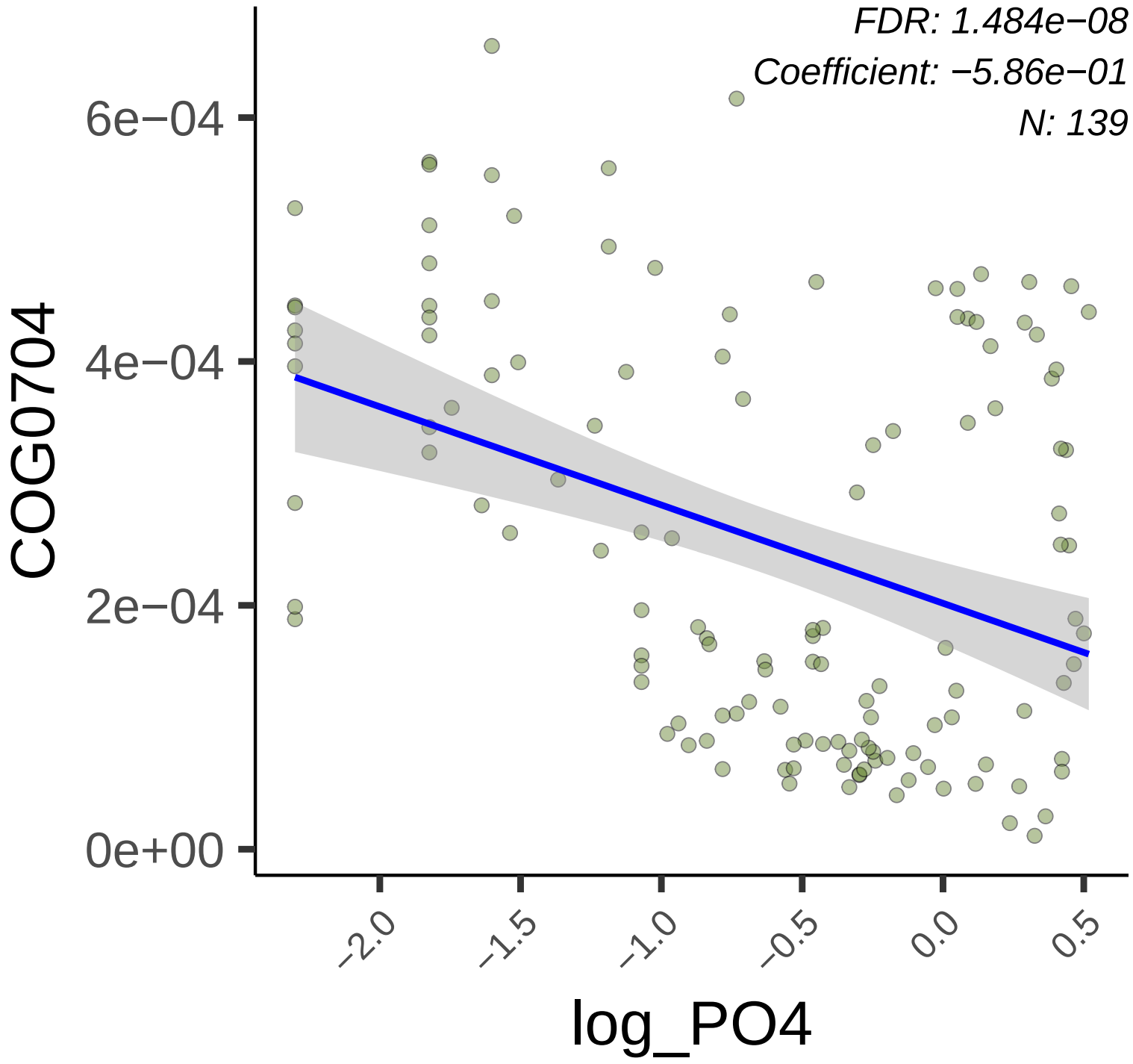
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Coefficient: −5.86e−01
N: 139
COG0704
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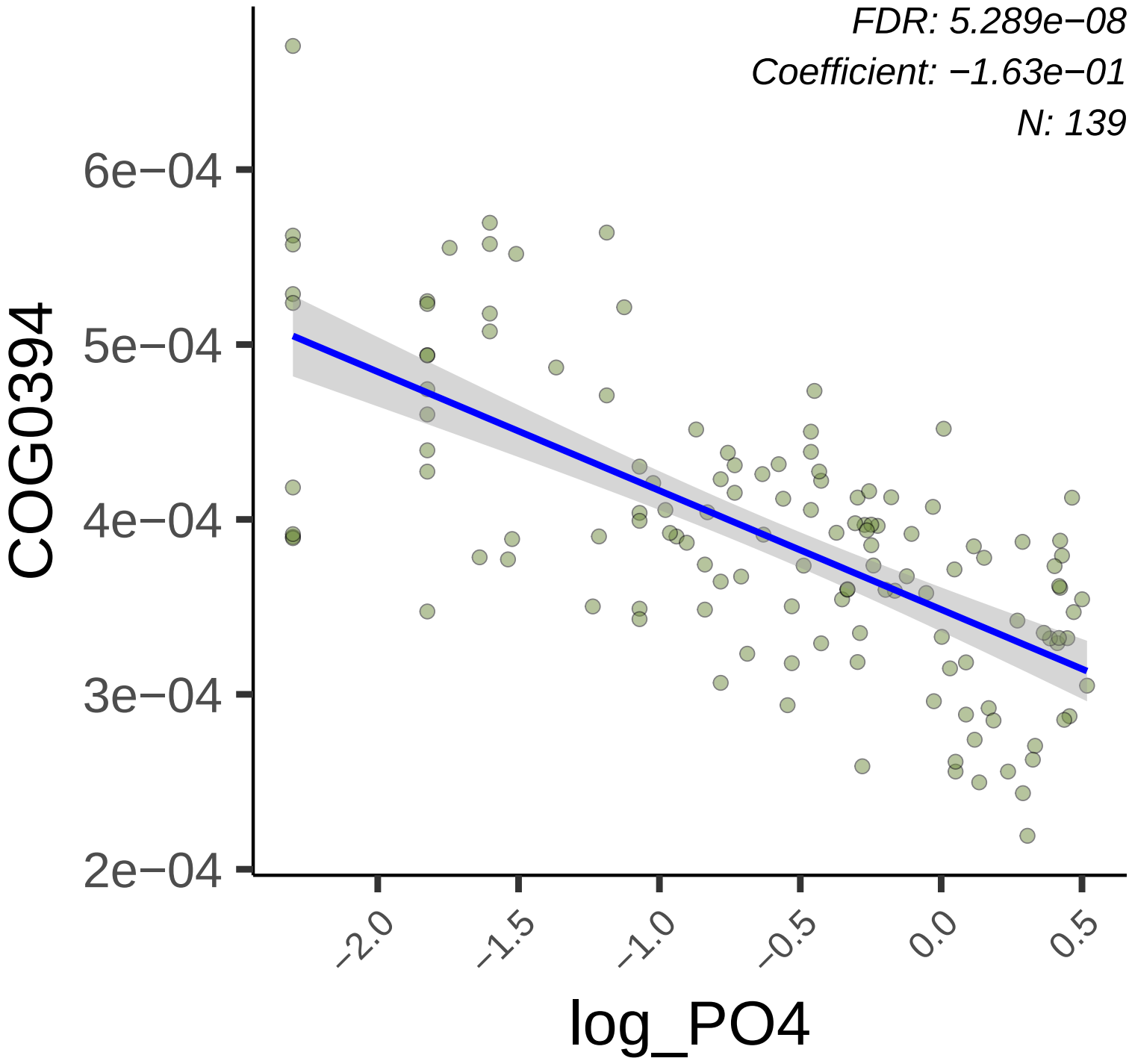
log_PO4


FDR: 5.289e−08
Coefficient: −1.63e−01
N: 139
COG0394
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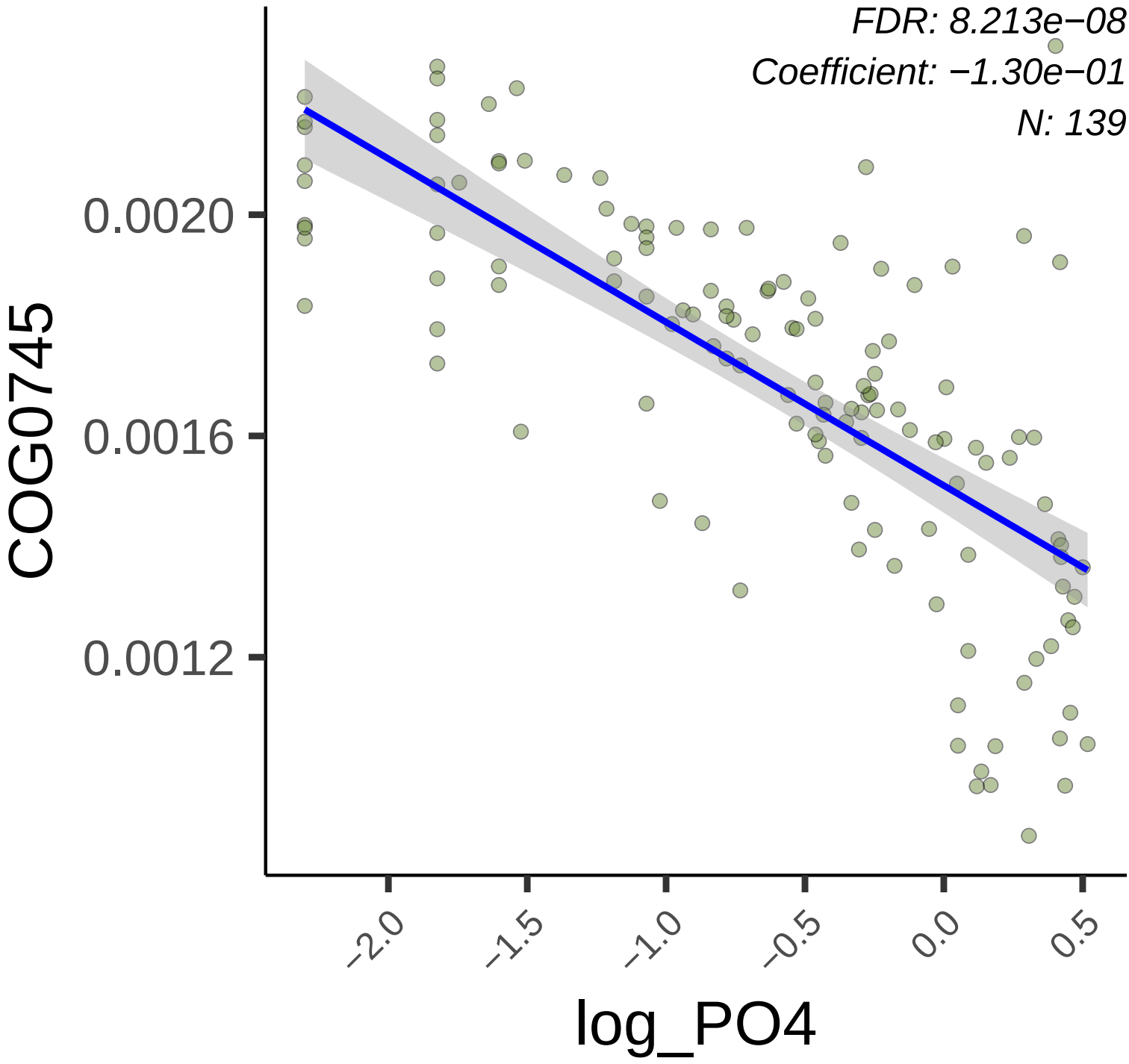
log_PO4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Coefficient: −1.30e−01
N: 139
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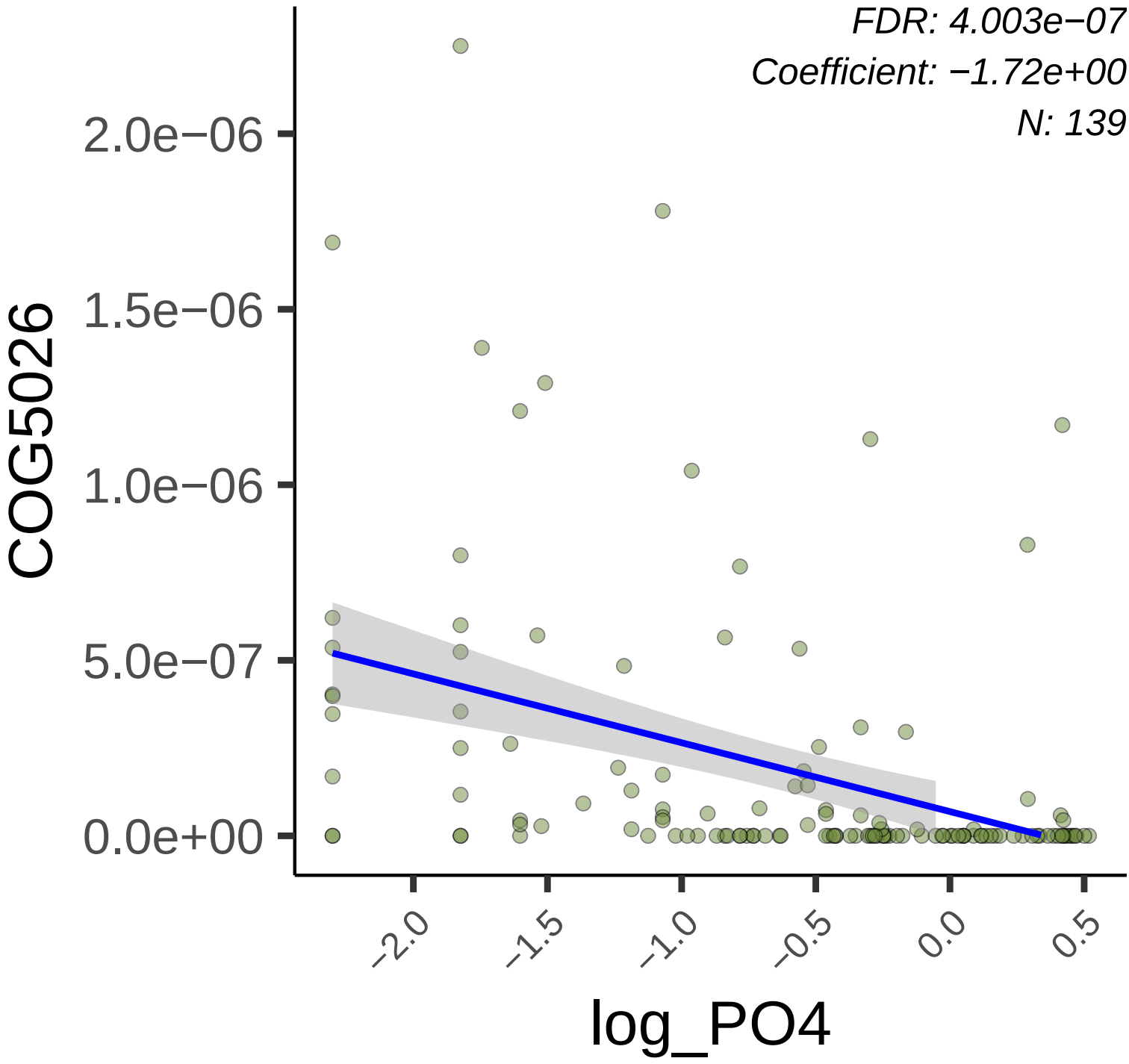
log_PO4


FDR: 4.003e−07
Coefficient: −1.72e+00
N: 139
COG5026
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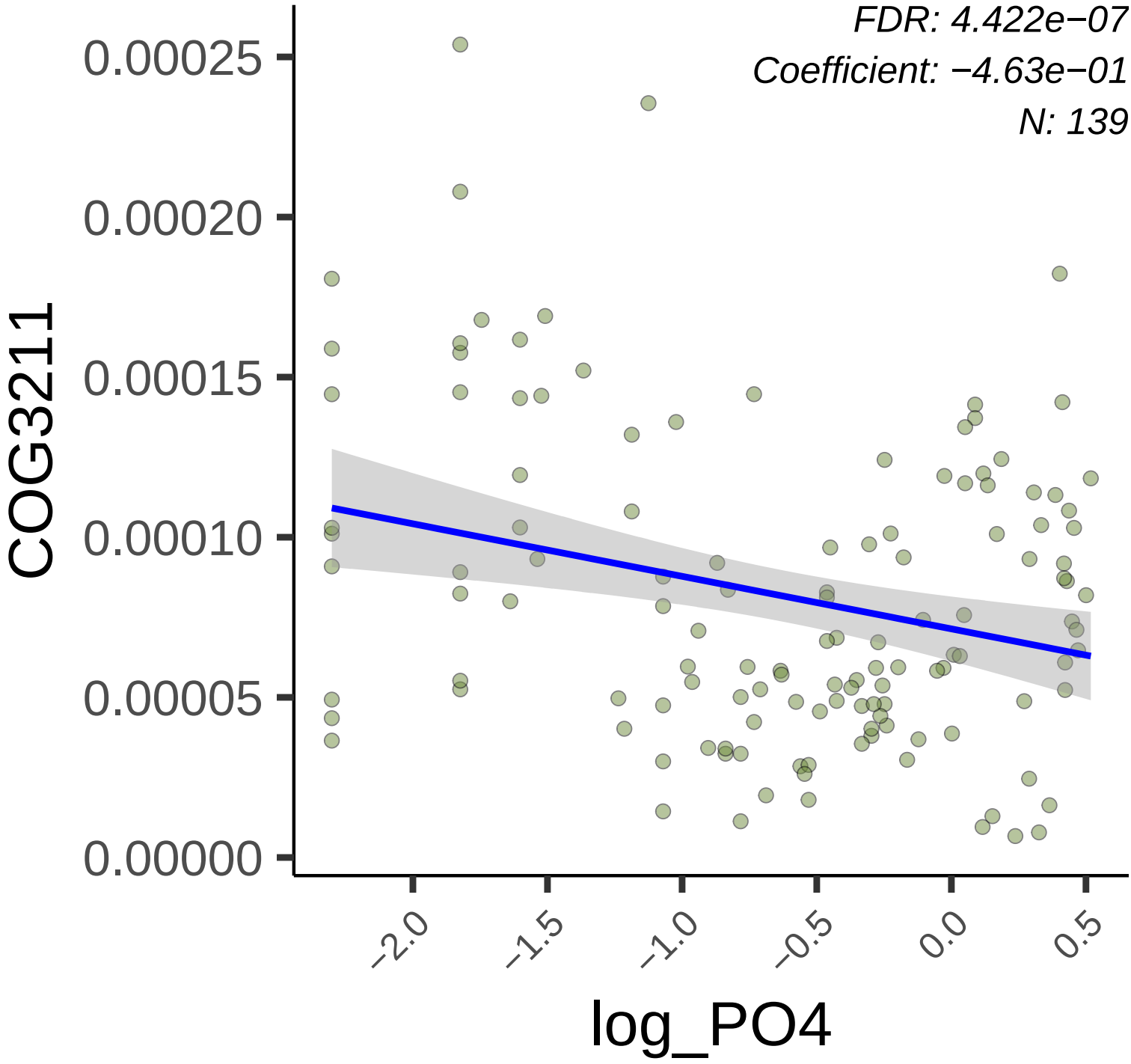
log_PO4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Coefficient: −4.63e−01
N: 139
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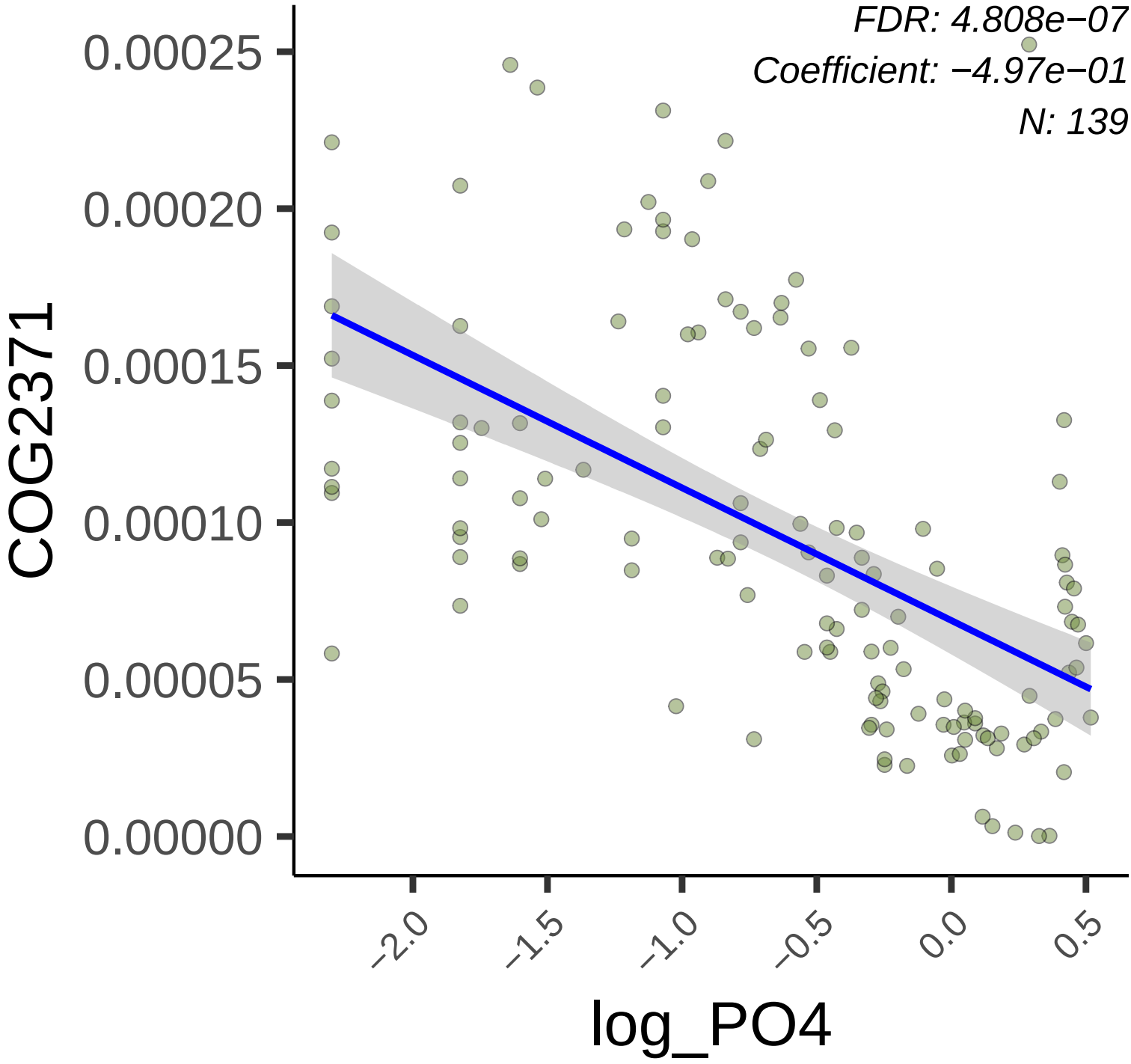
log_PO4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Coefficient: −4.97e−01
N: 139
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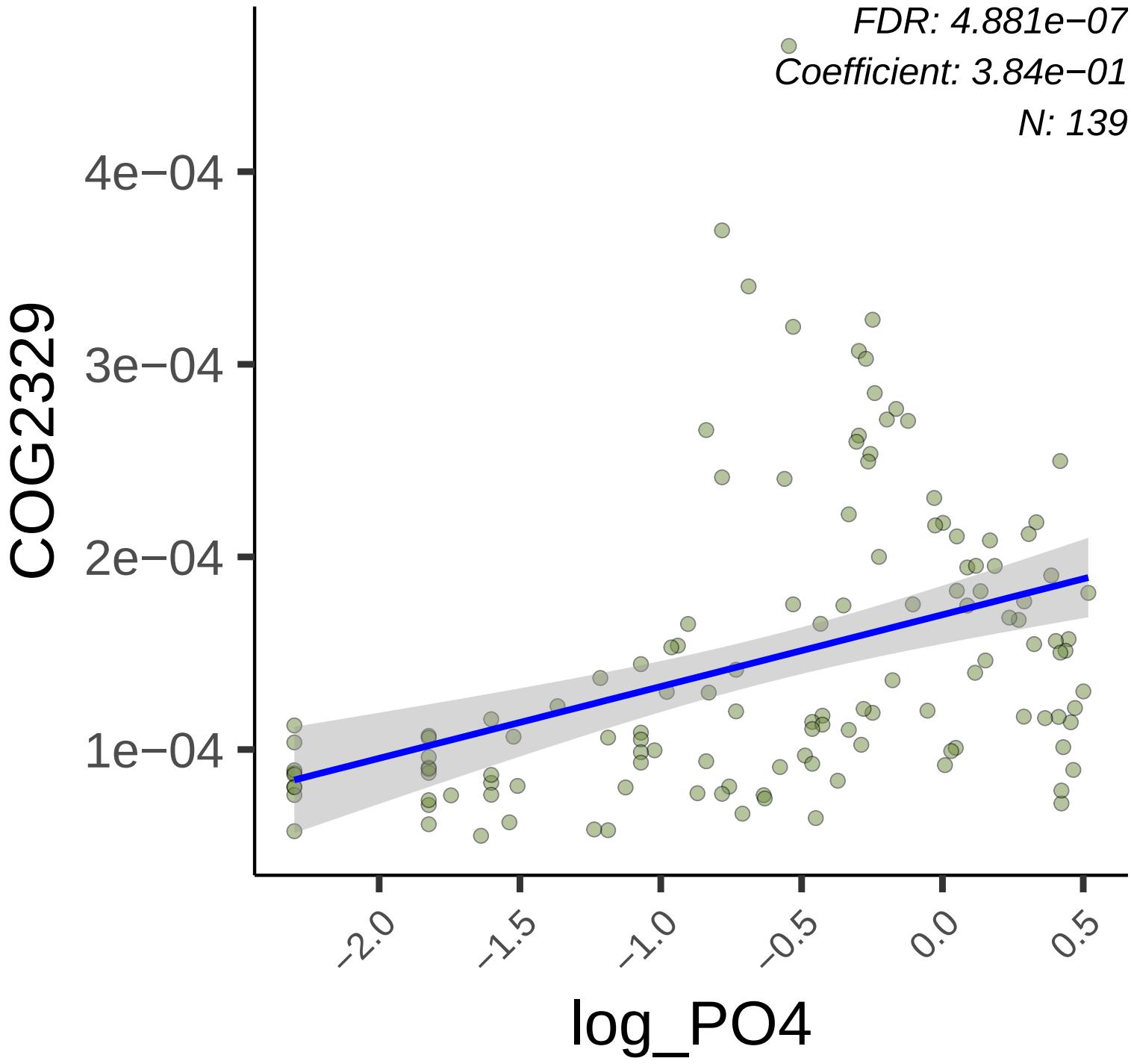
log_PO4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Coefficient: 3.84e−01
N: 139
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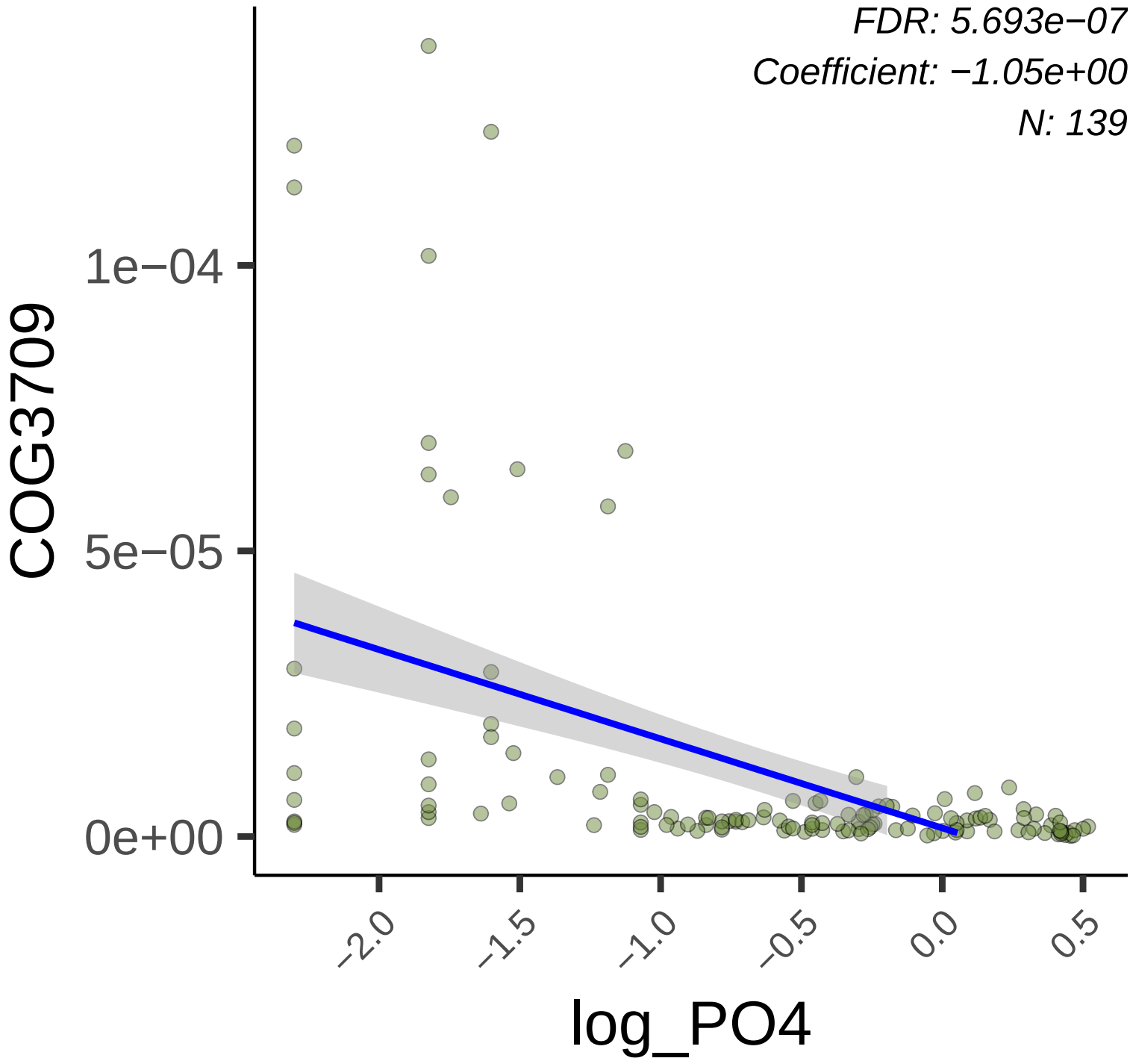
log_PO4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Coefficient: −1.05e+00
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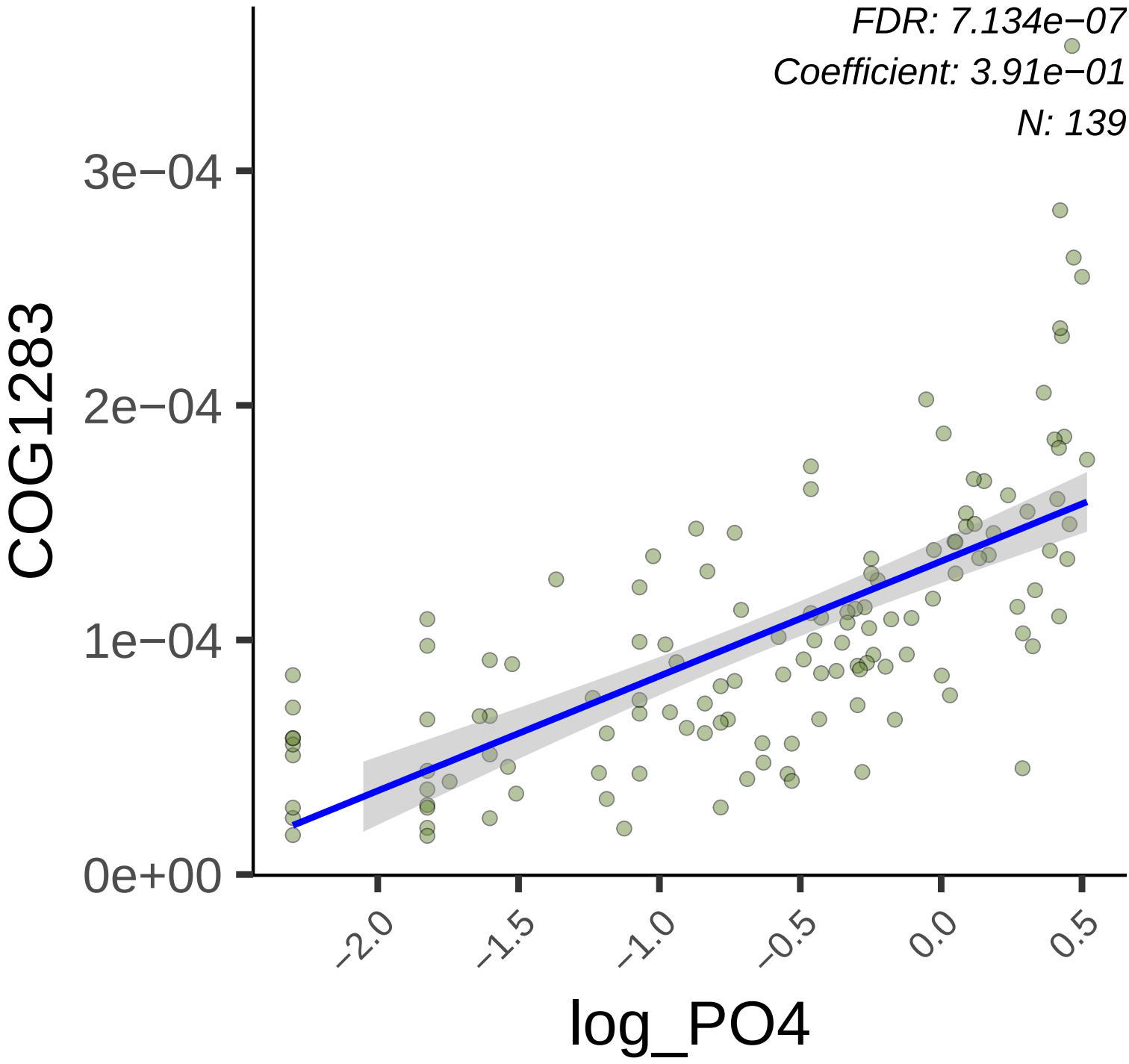
log_PO4


FDR: 7.134e−07
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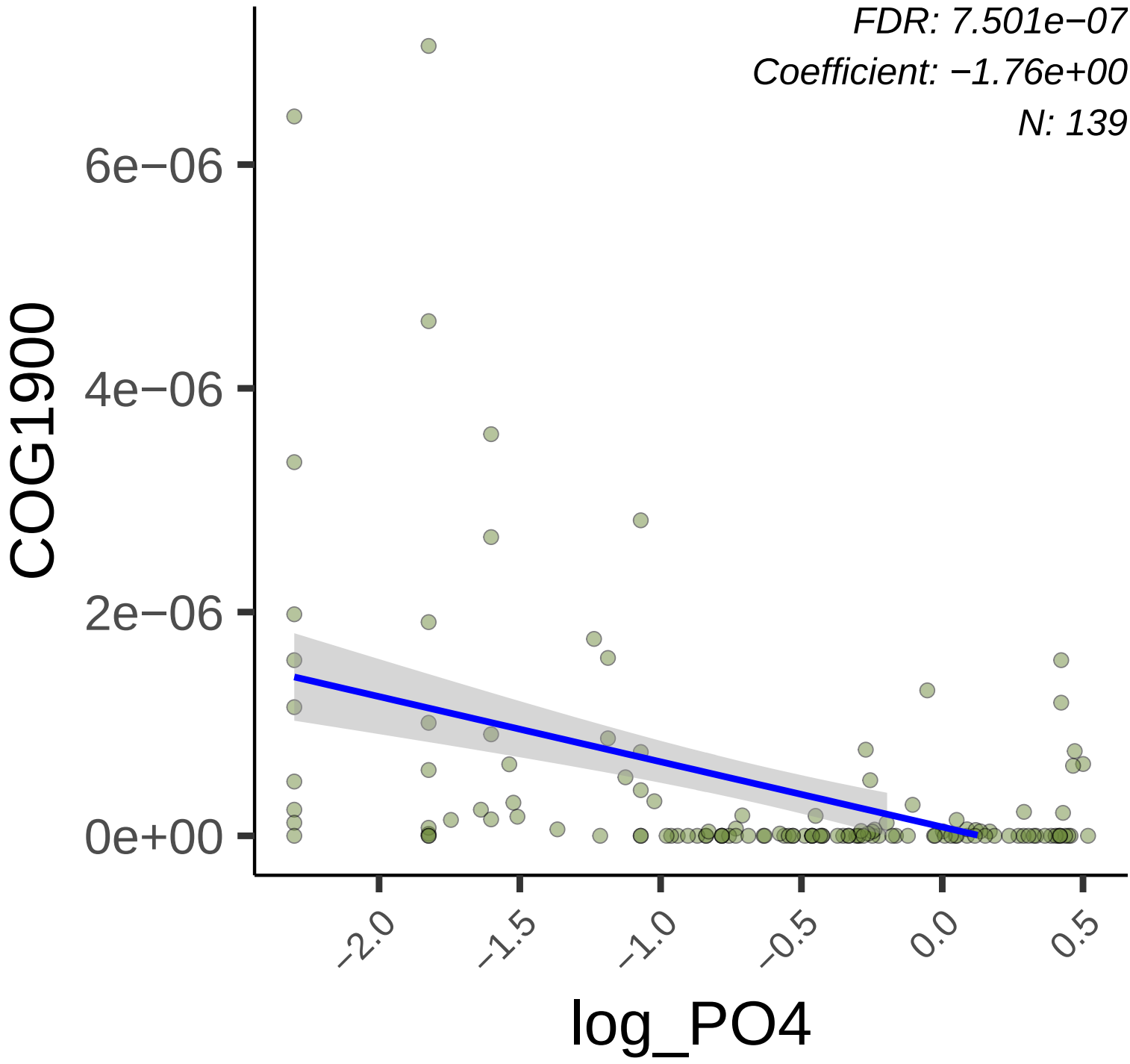
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Coefficient: −1.76e+00
N: 139
COG1900
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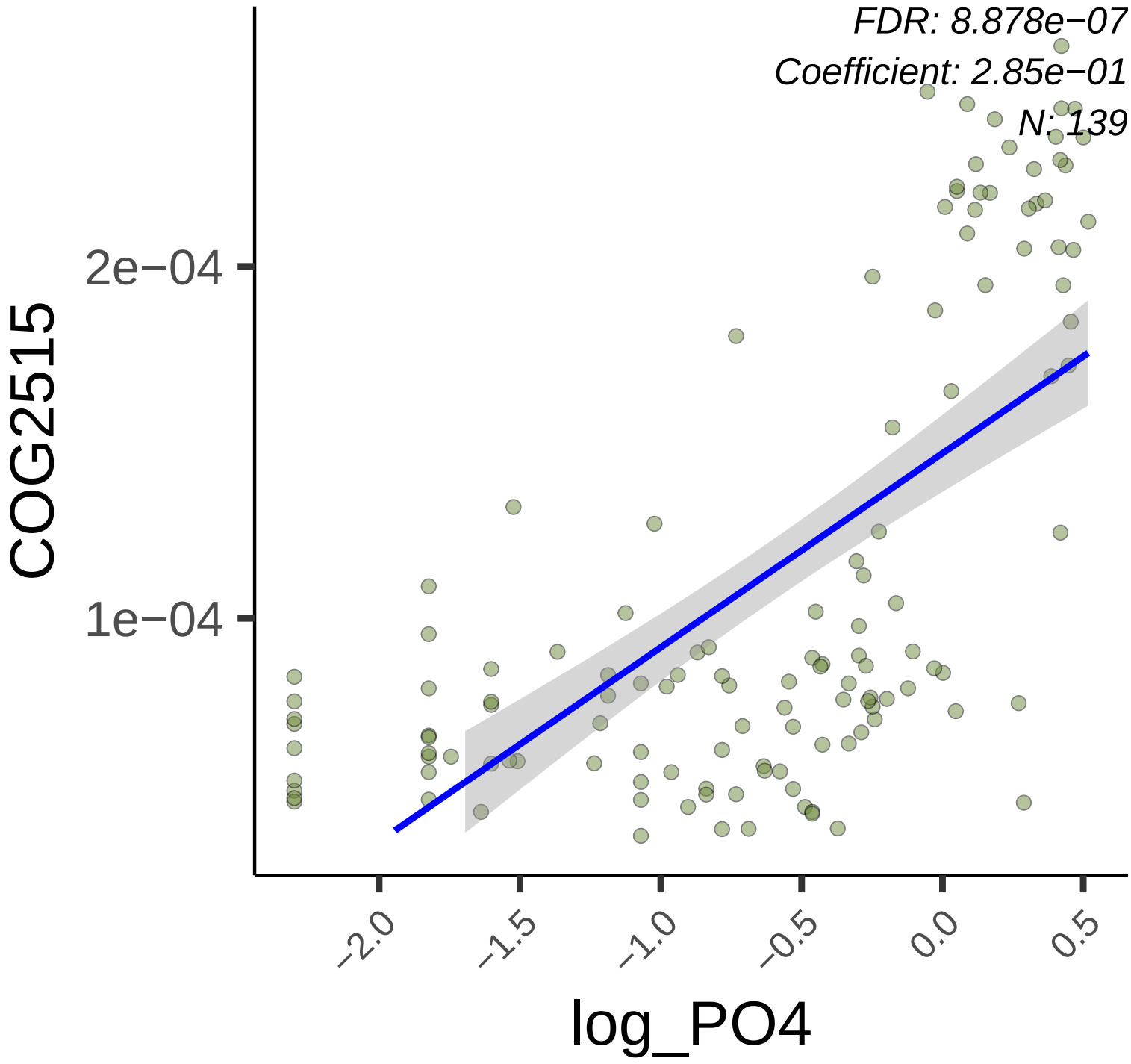
log_PO4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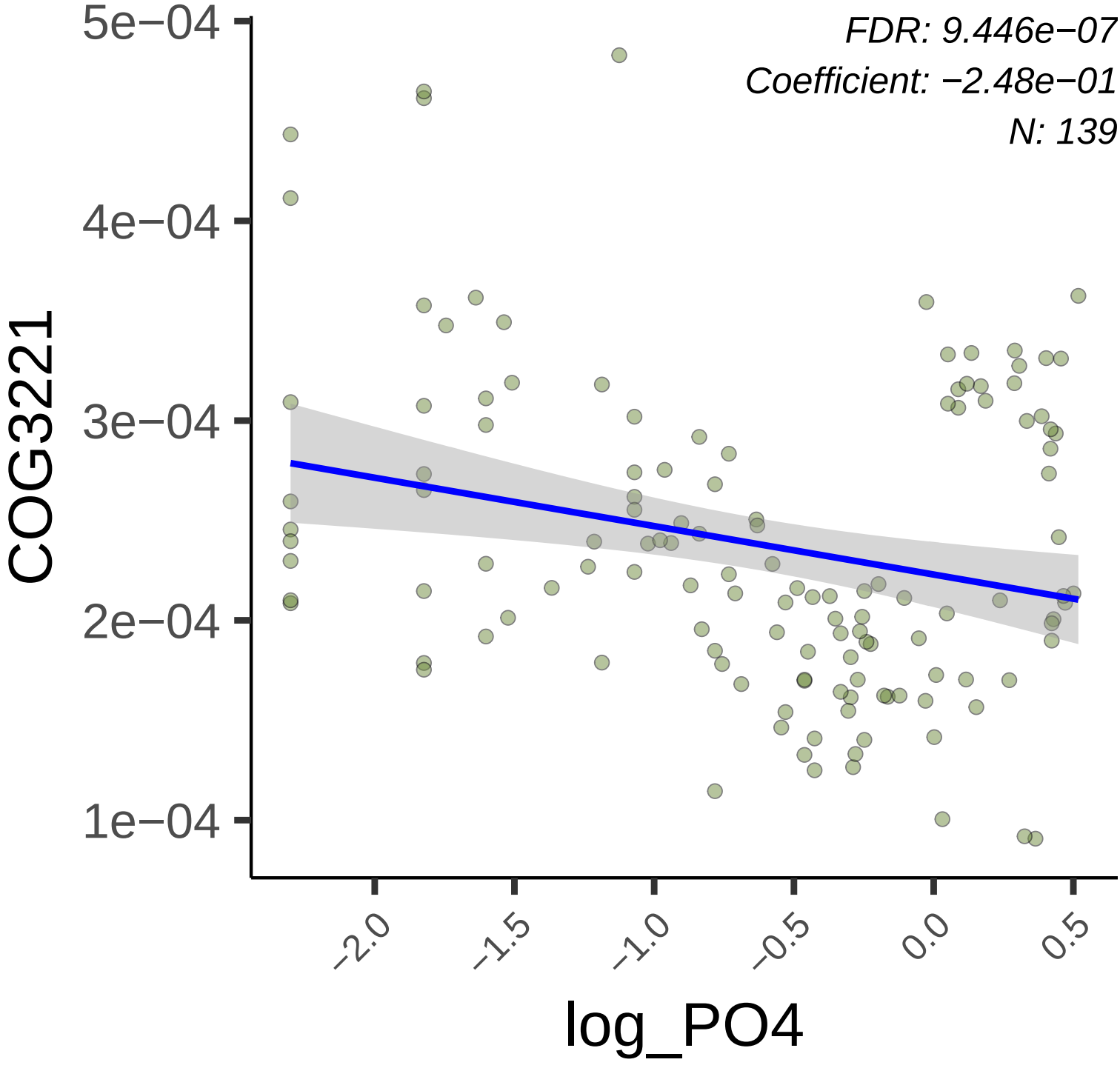
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Coefficient: −2.48e−01
N: 139
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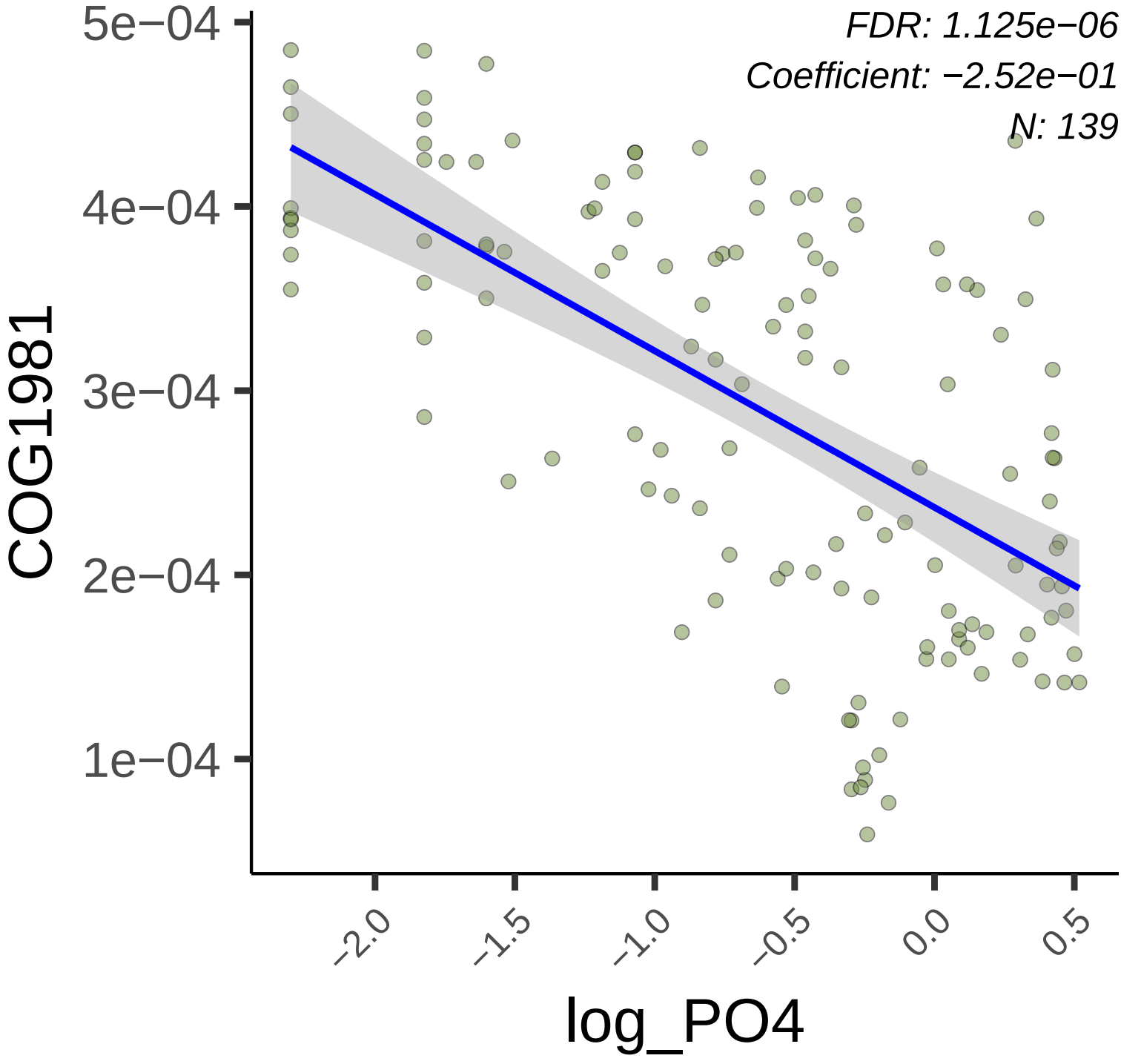
log_PO4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N: 139
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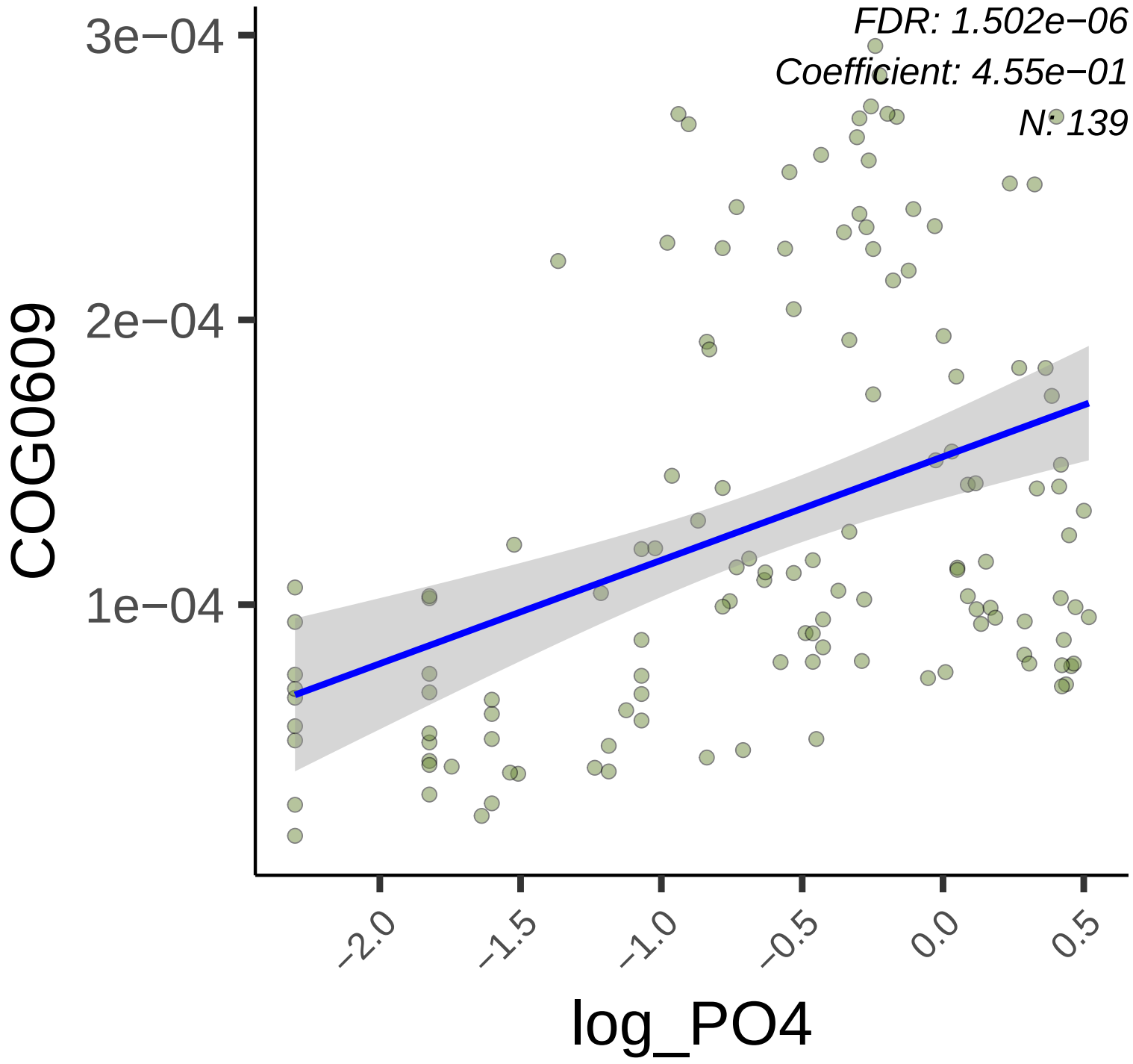
log_PO4


FDR: 1.502e−06
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N: 139
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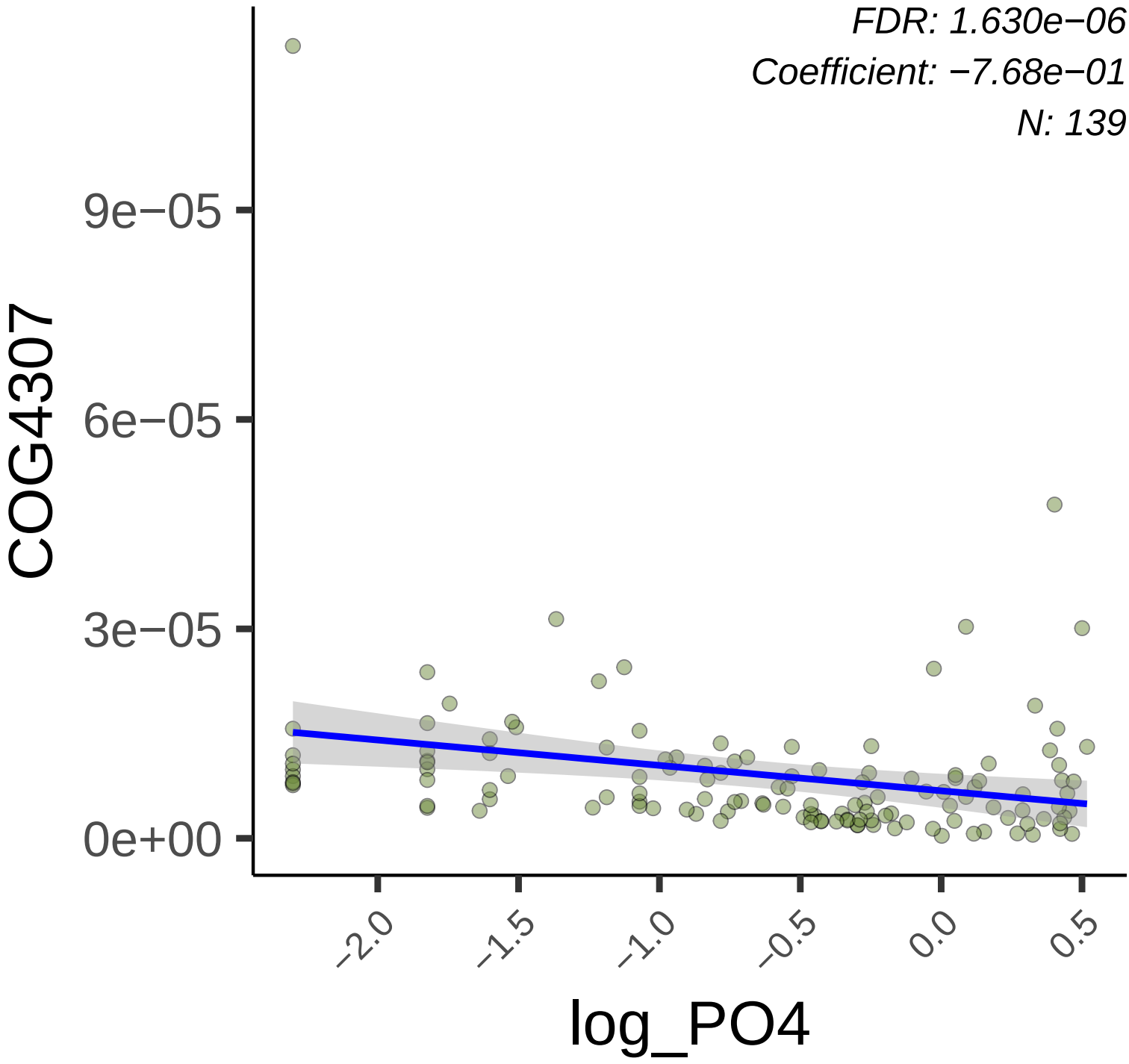
log_PO4


FDR: 1.630e−06
Coefficient: −7.68e−01
N: 139
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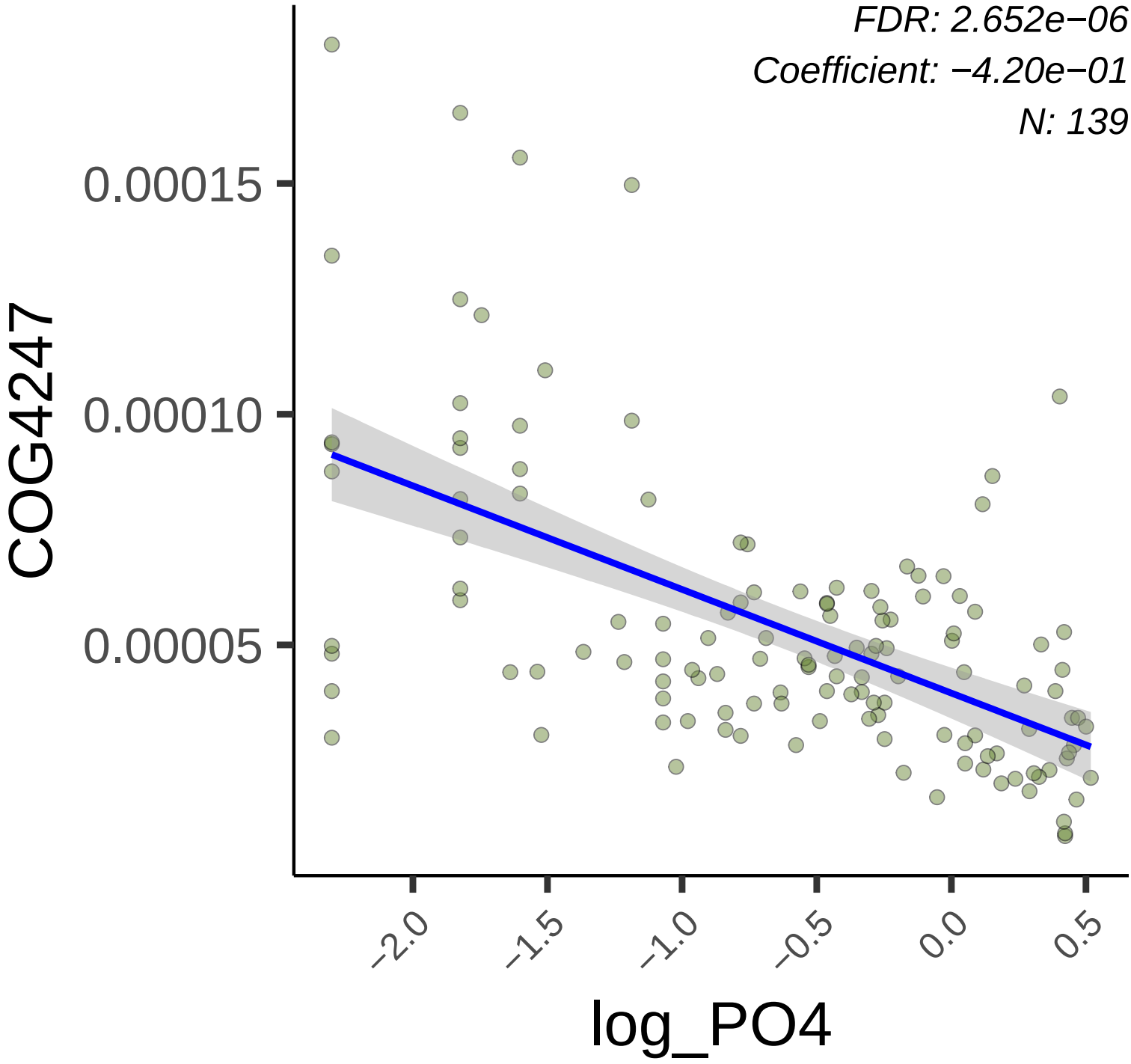
log_PO4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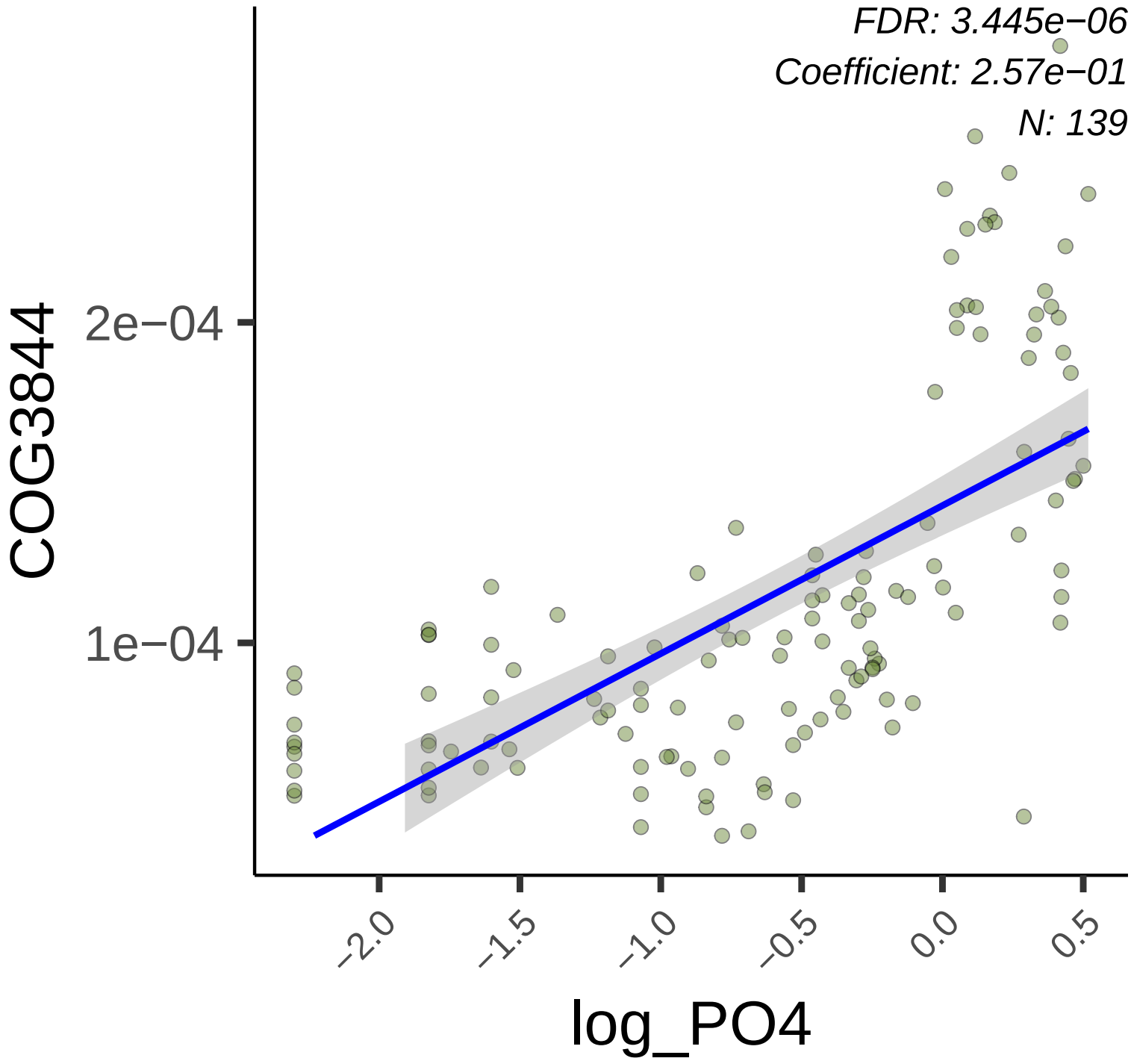
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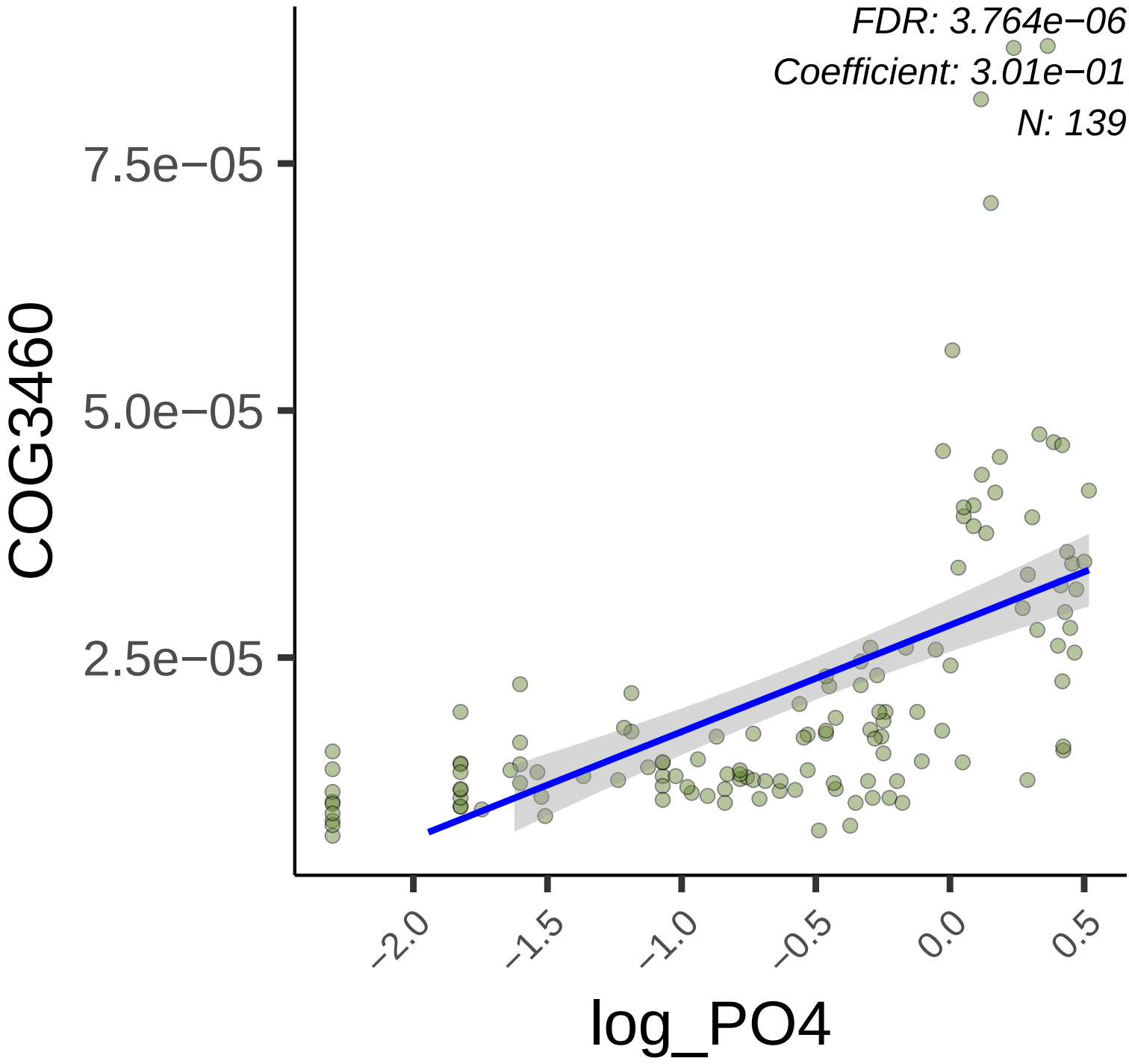
log_PO4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N: 139
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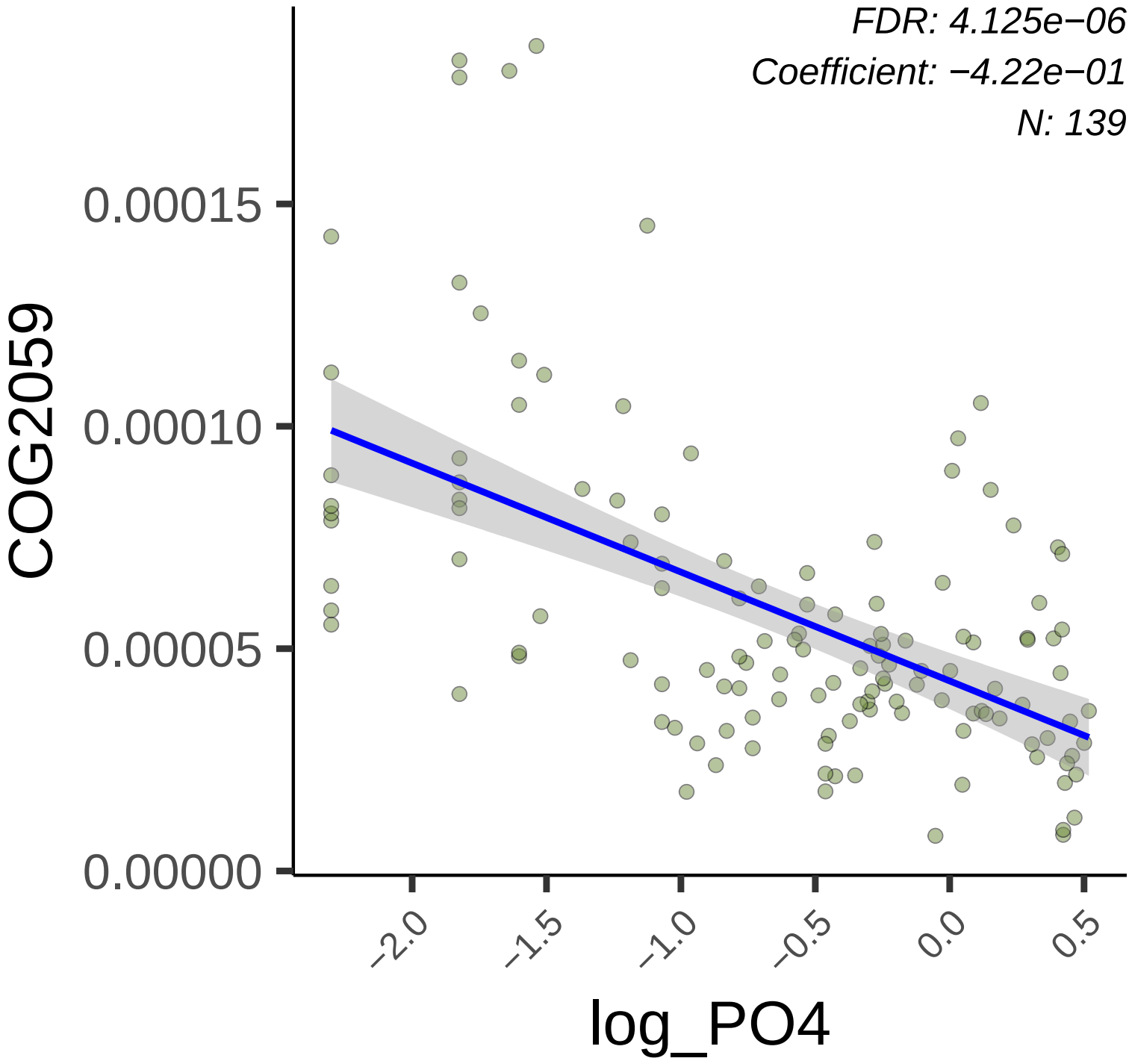
log_PO4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Coefficient: −4.22e−01
N: 139
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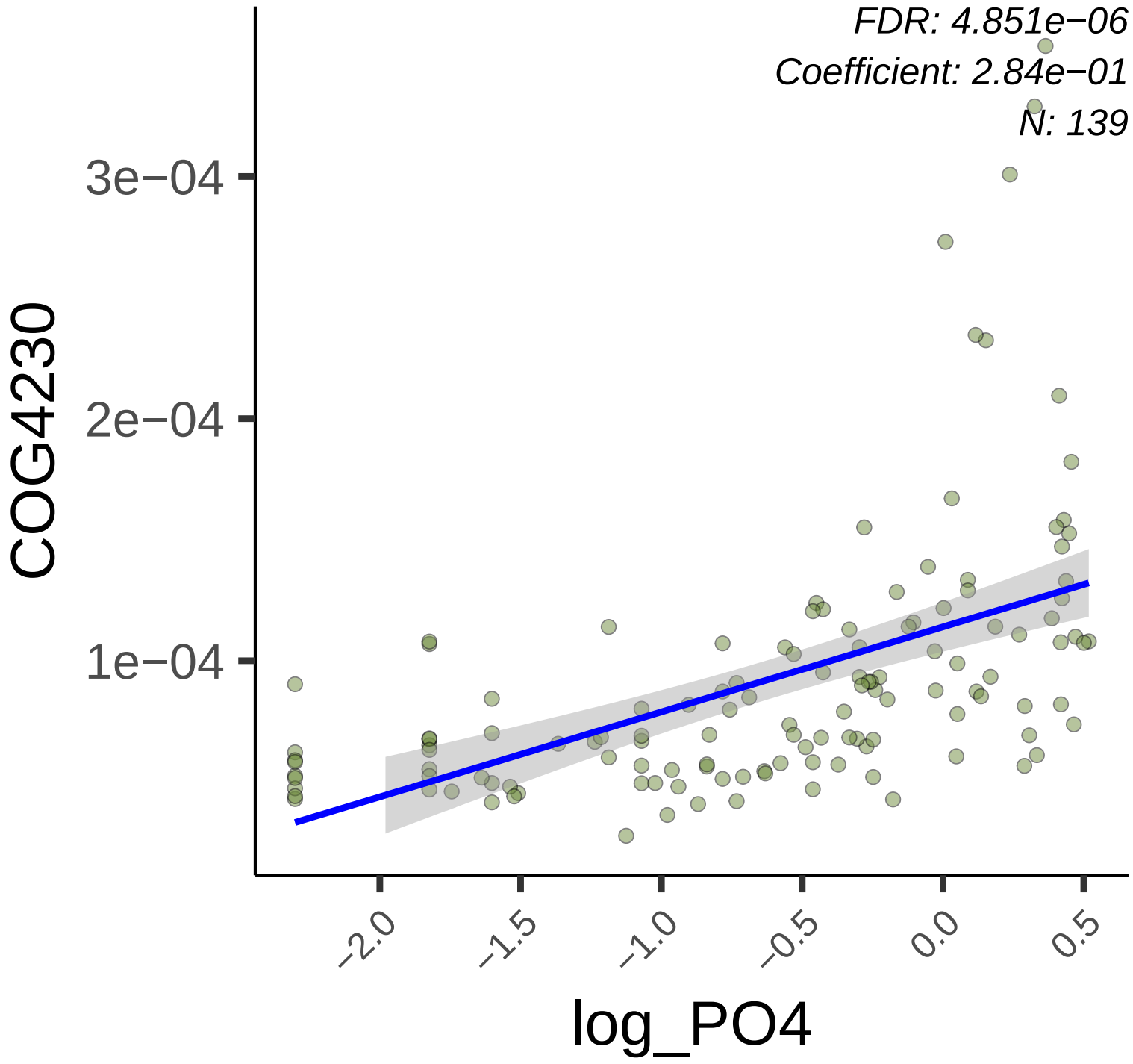
log_PO4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Coefficient: 2.84e−01
N: 139
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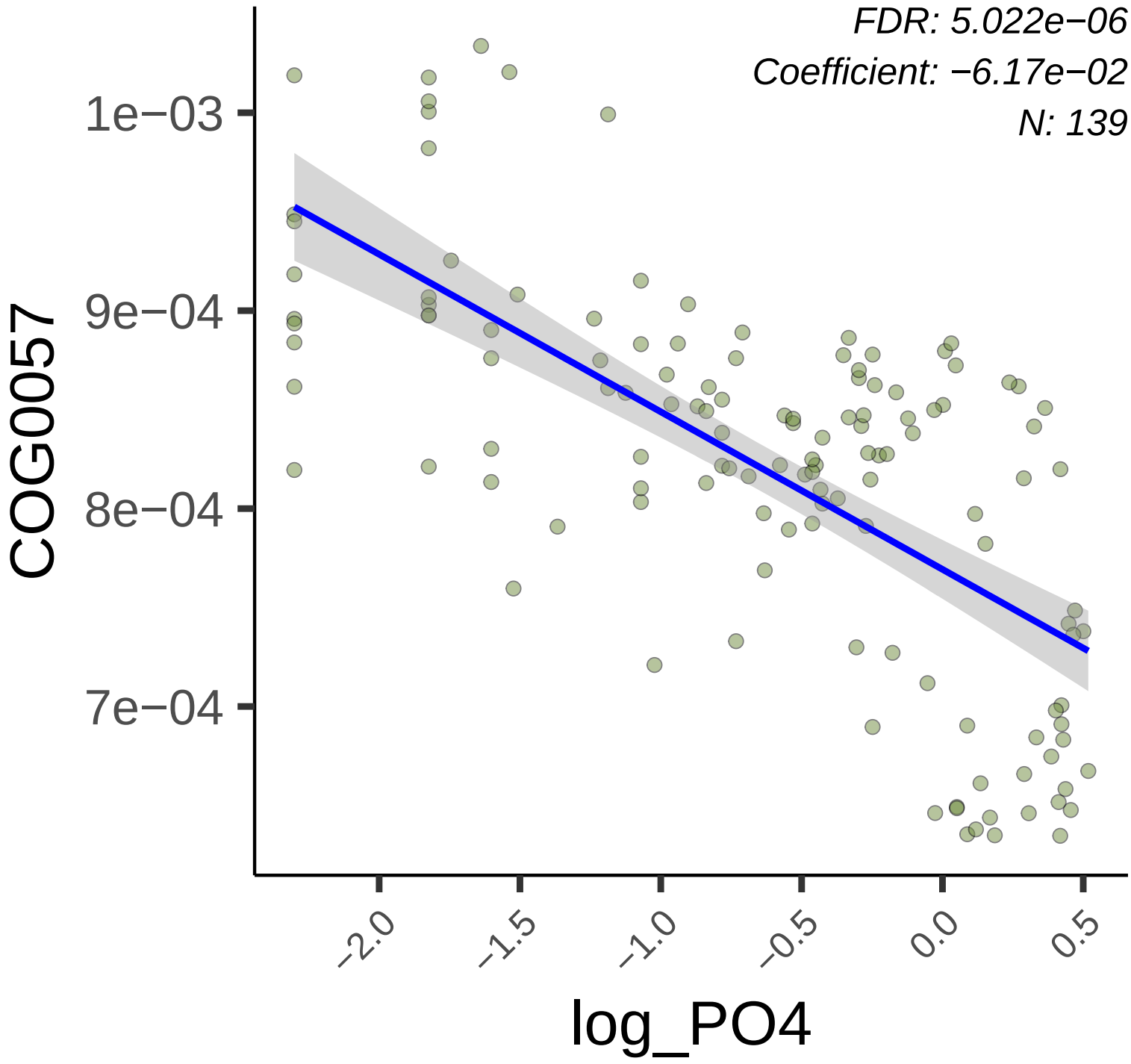
log_PO4


FDR: 5.022e−06
Coefficient: −6.17e−02
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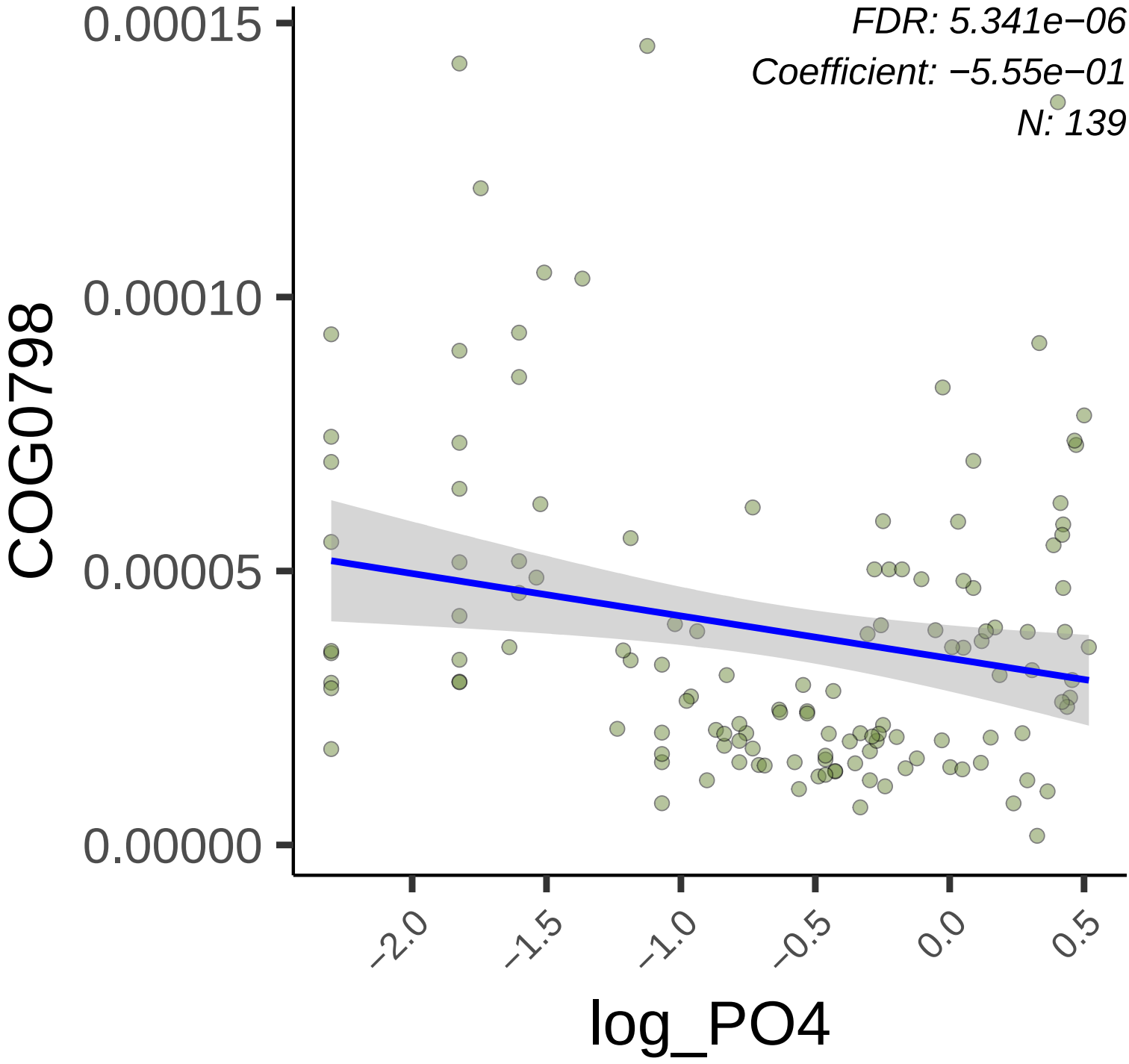
log_PO4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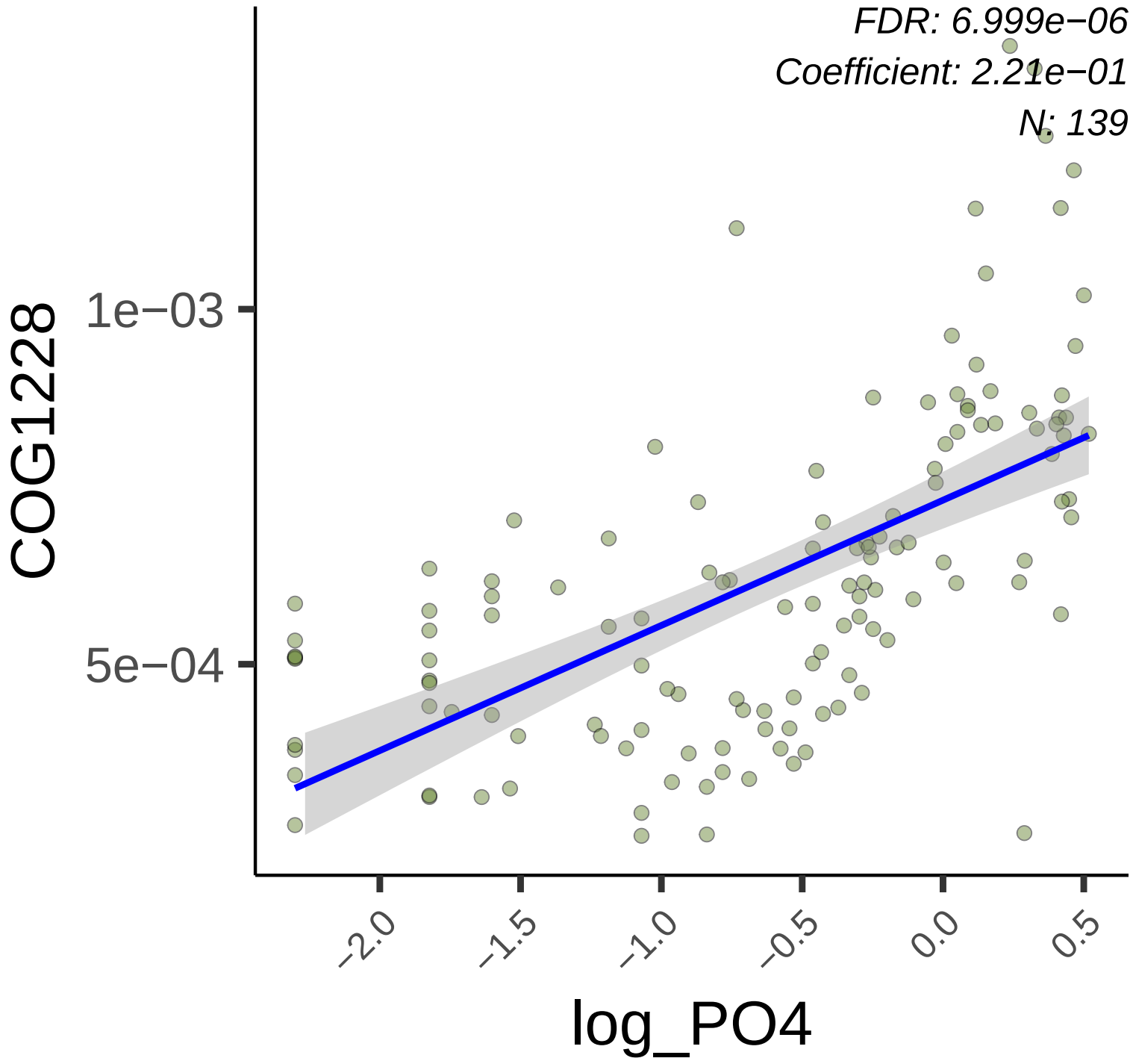
log_PO4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Coefficient: 2.21e−01
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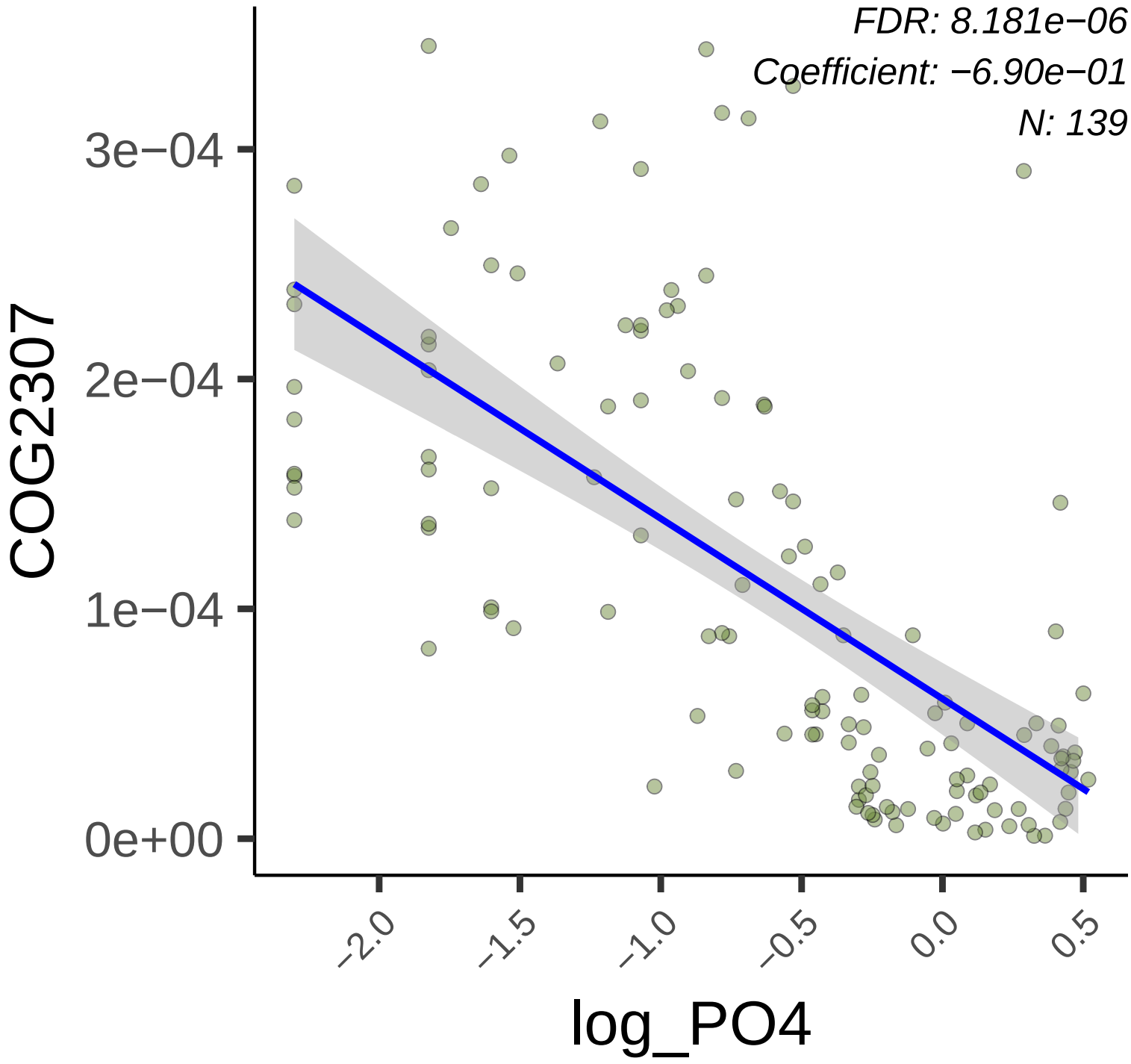
log_PO4


FDR: 8.181e−06
Coefficient: −6.90e−01
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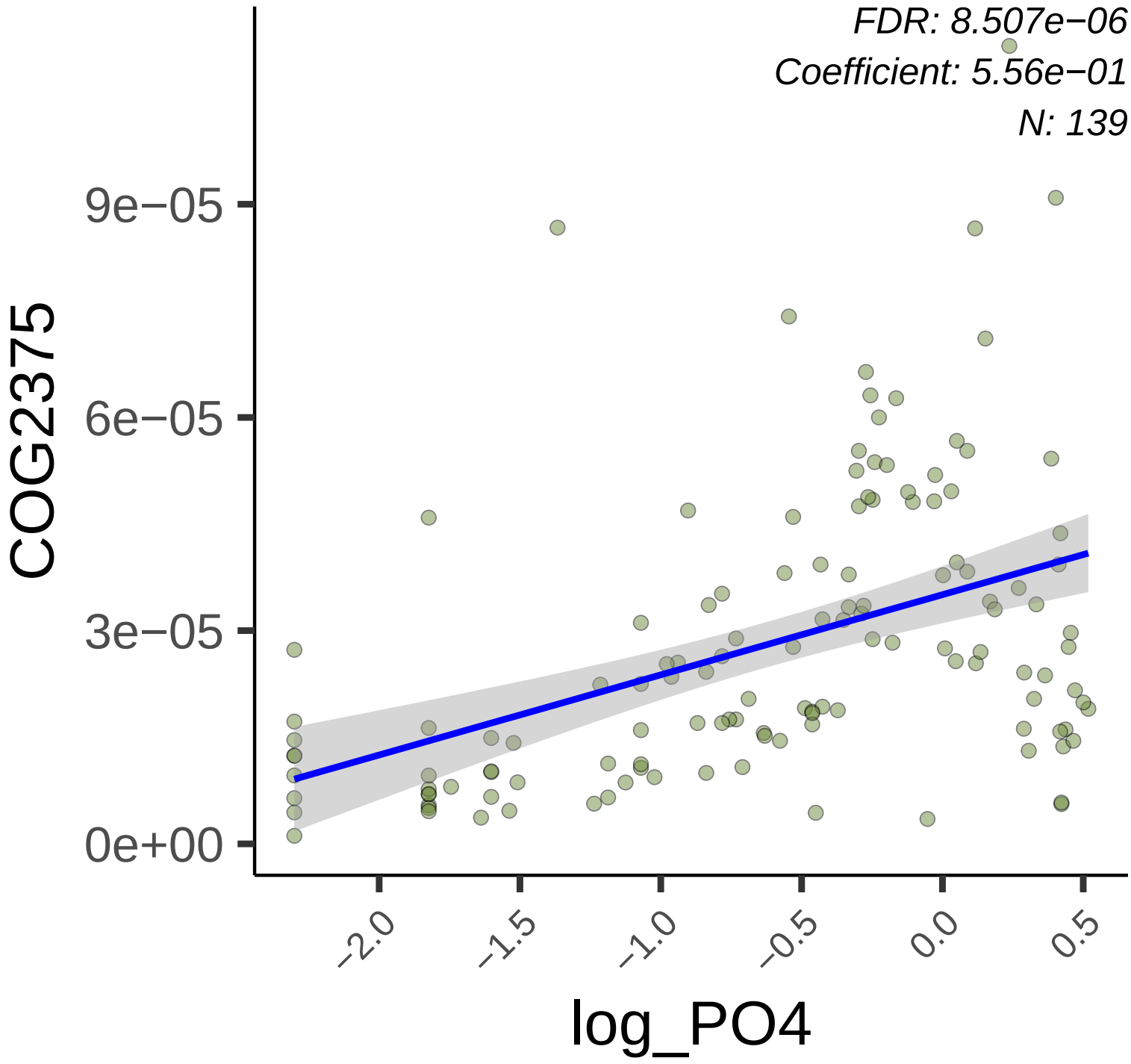
log_PO4


FDR: 8.507e−06
Coefficient: 5.56e−01
N: 139
COG2375
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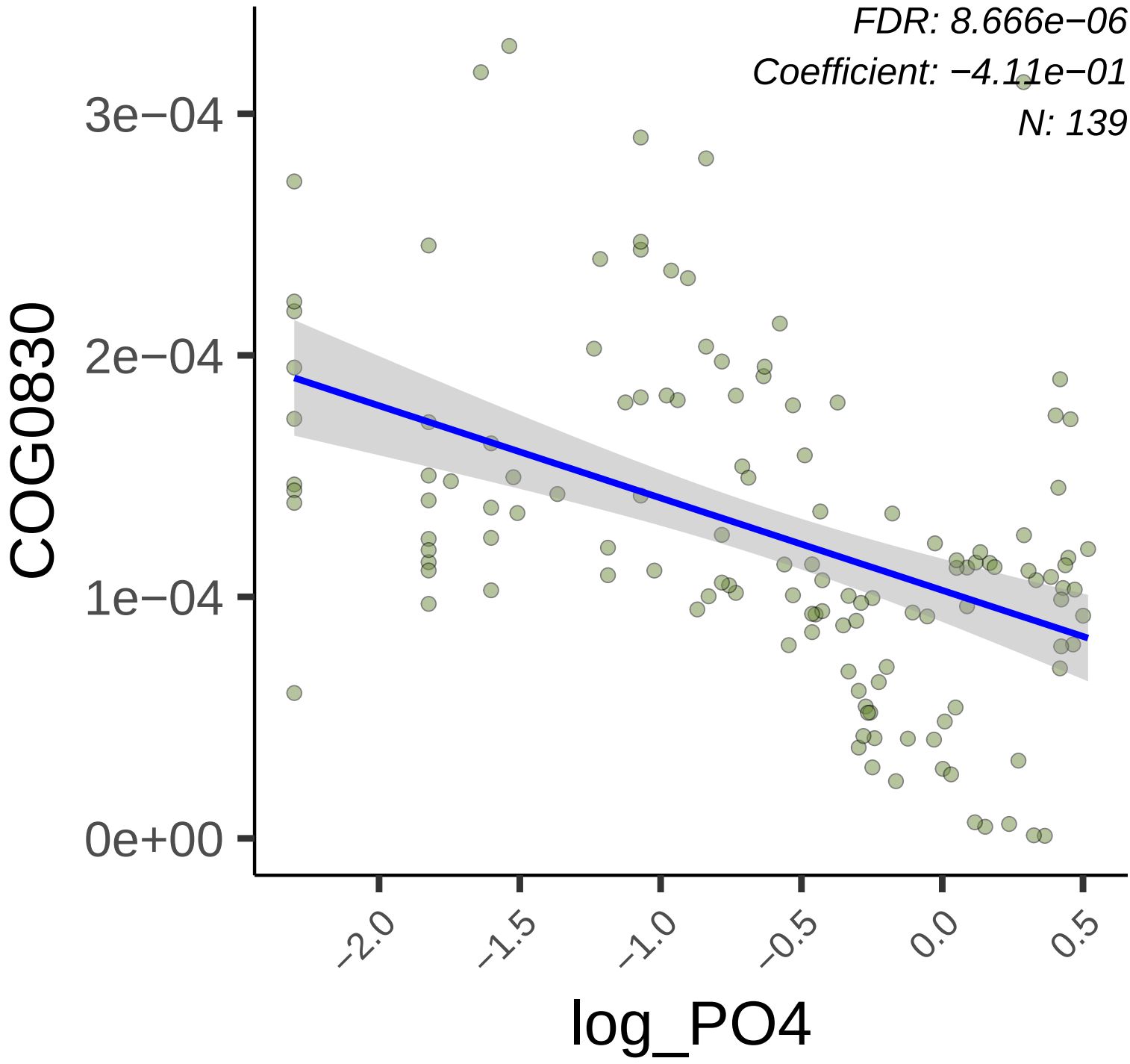
log_PO4


FDR: 8.666e−06
Coefficient: −4.11e−01
N: 139
COG0830
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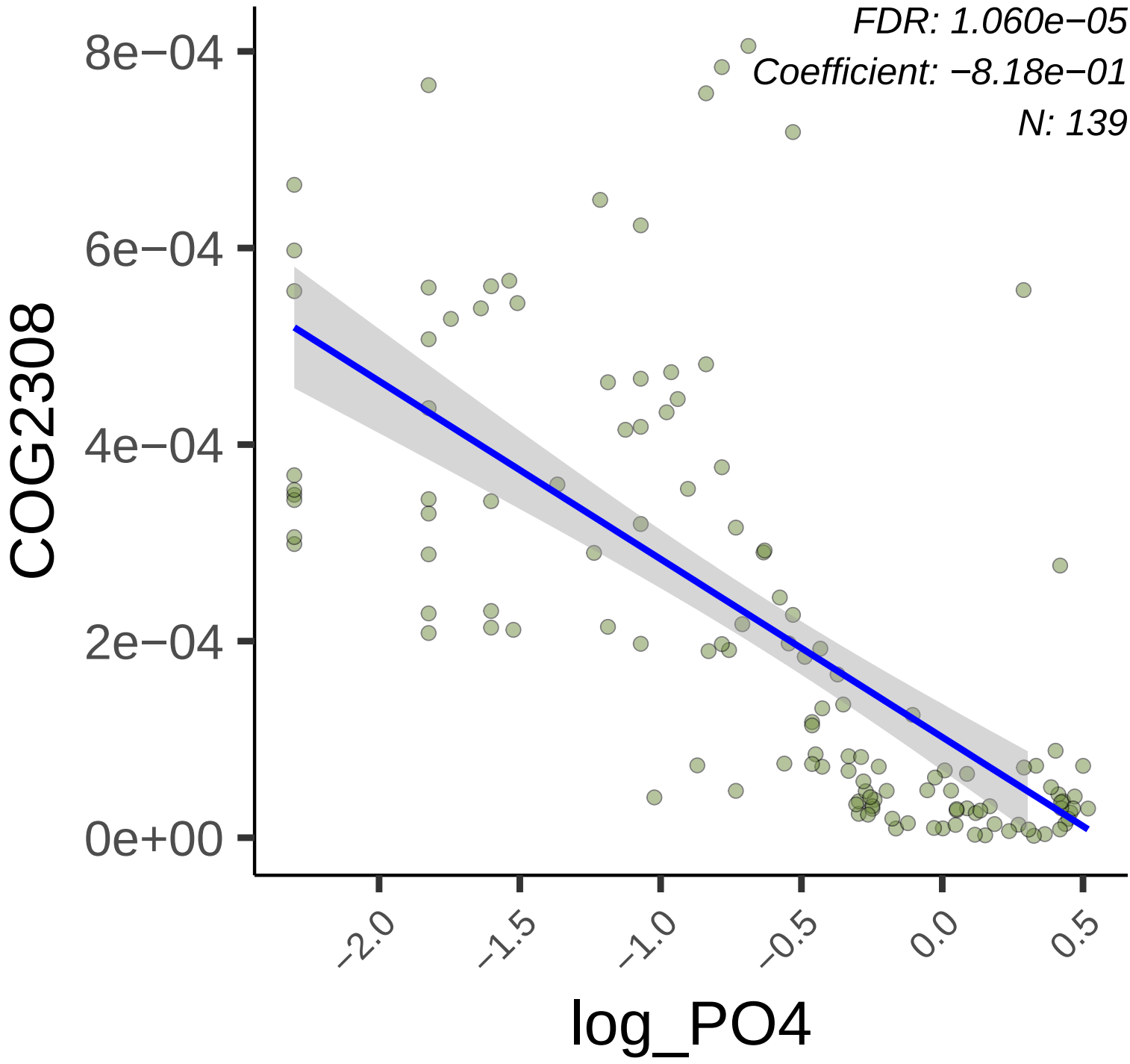
log_PO4


FDR: 1.060e−05
Coefficient: −8.18e−01
N: 139
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COG2308
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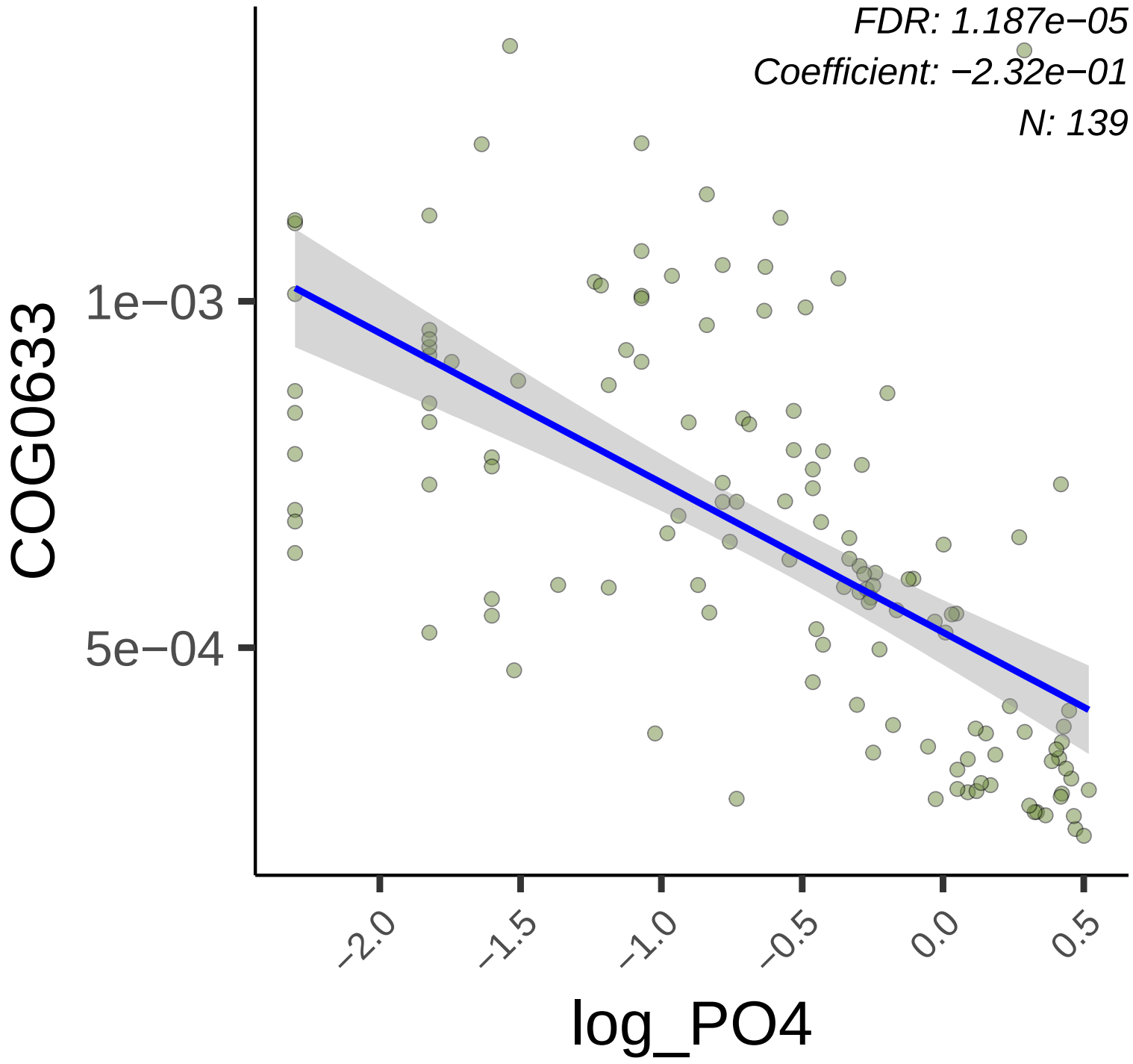
log_PO4


FDR: 1.187e−05
Coefficient: −2.32e−01
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COG0633
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5e−04
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−1.5
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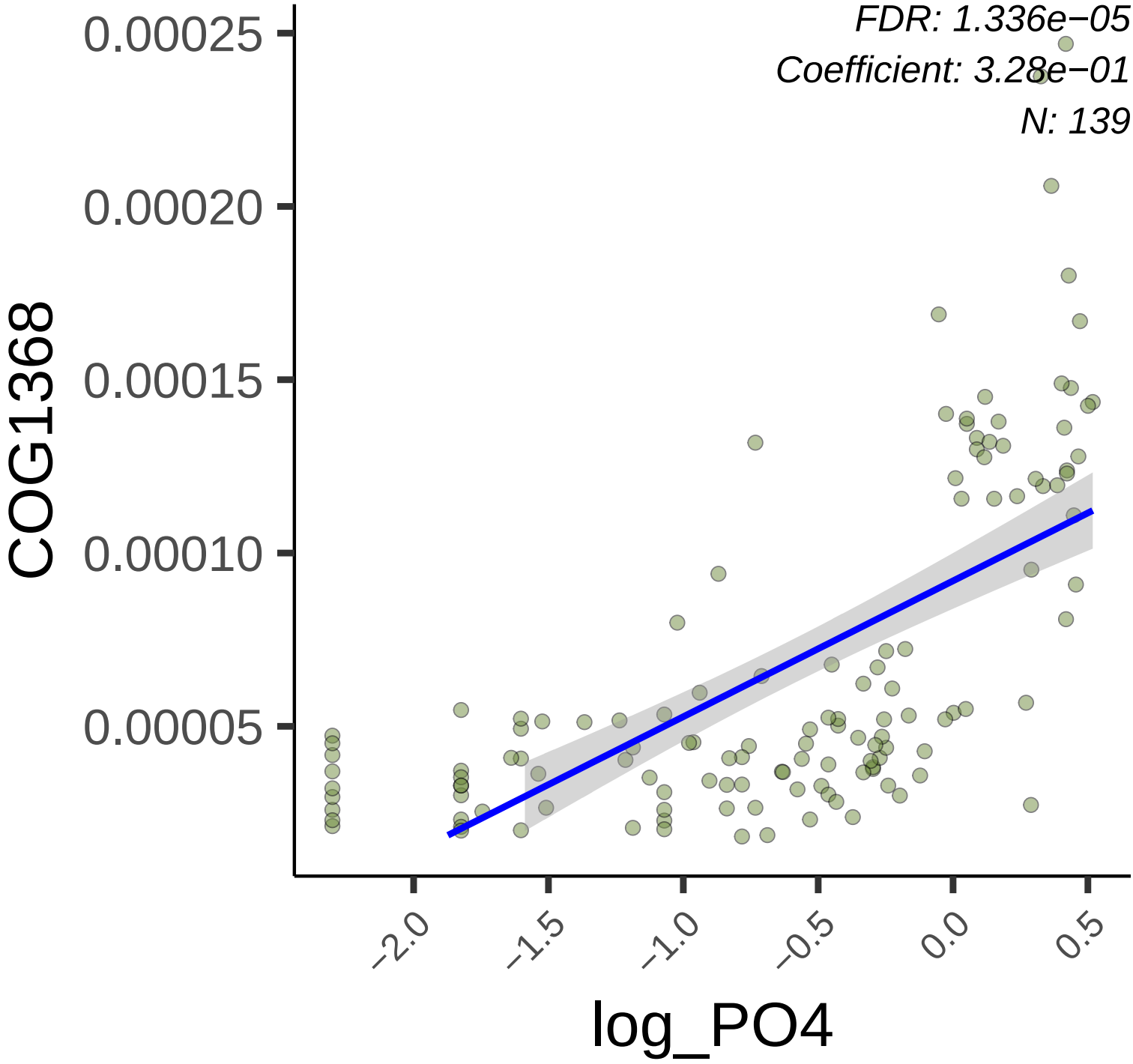
0.5
log_PO4


FDR: 1.336e−05
Coefficient: 3.28e−01
N: 139
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0.00015
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COG1368
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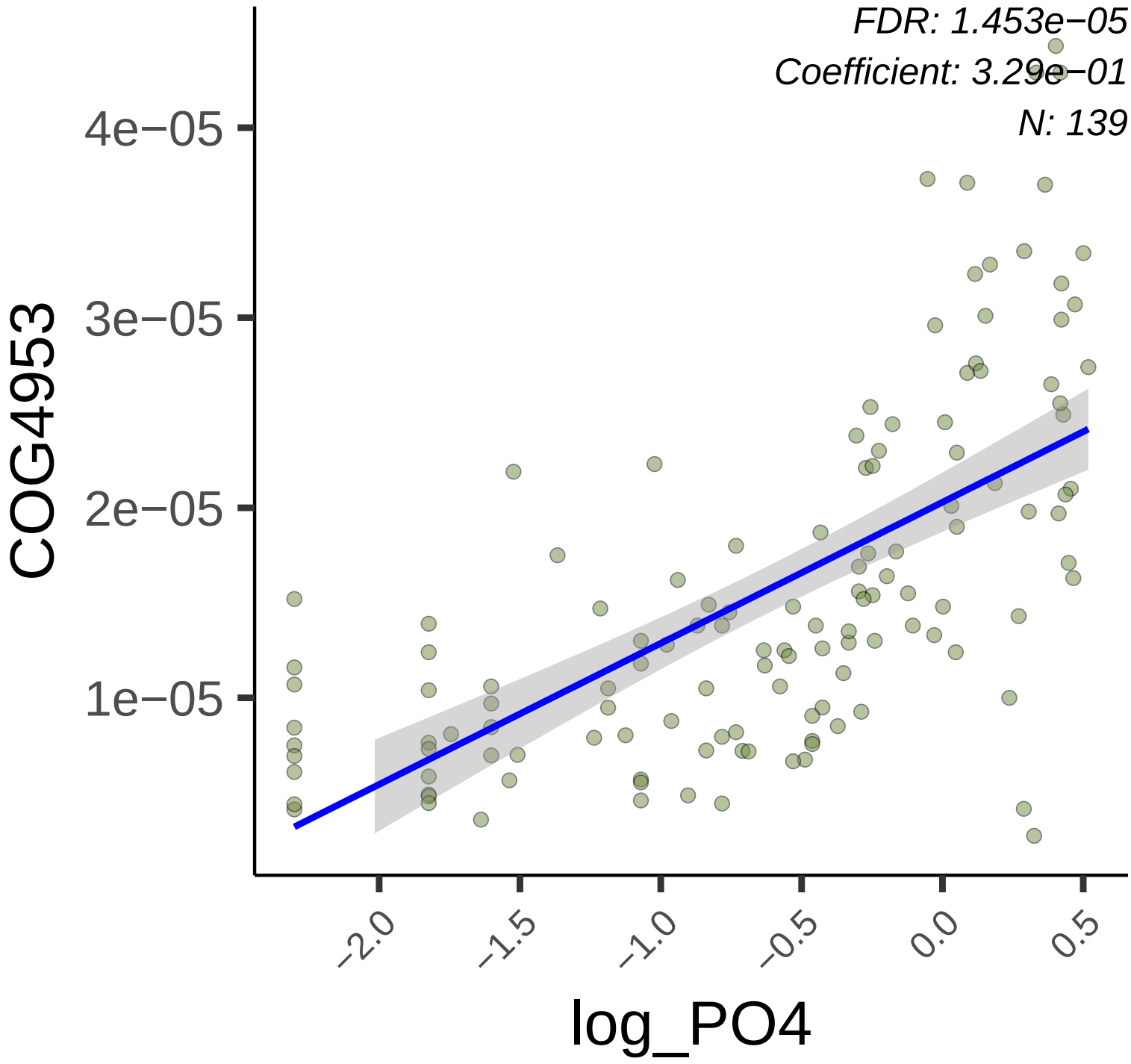
log_PO4


FDR: 1.453e−05
Coefficient: 3.29e−01
N: 139
COG4953
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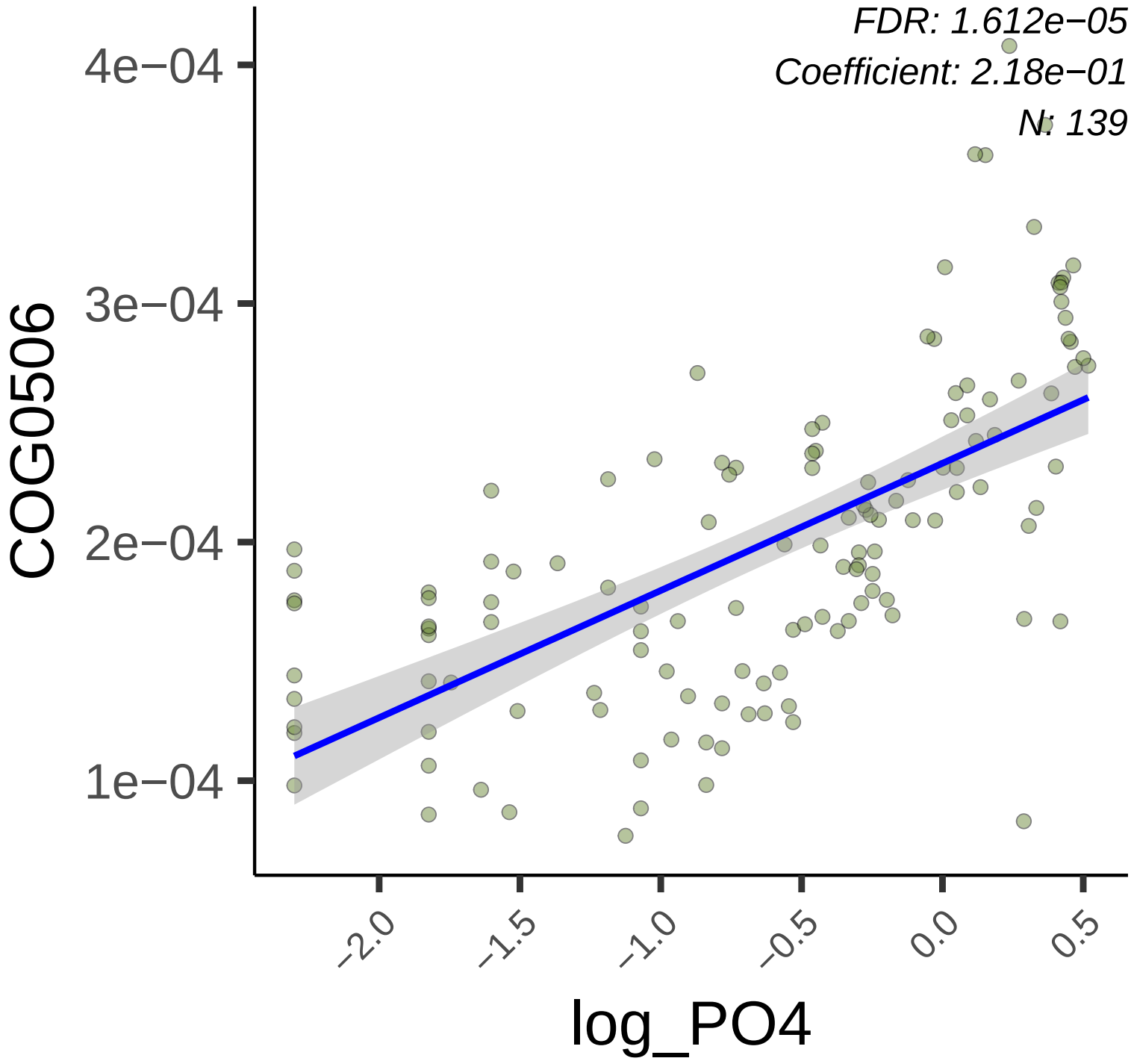
log_PO4


FDR: 1.612e−05
Coefficient: 2.18e−01
N: 139
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3e−04
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COG0506
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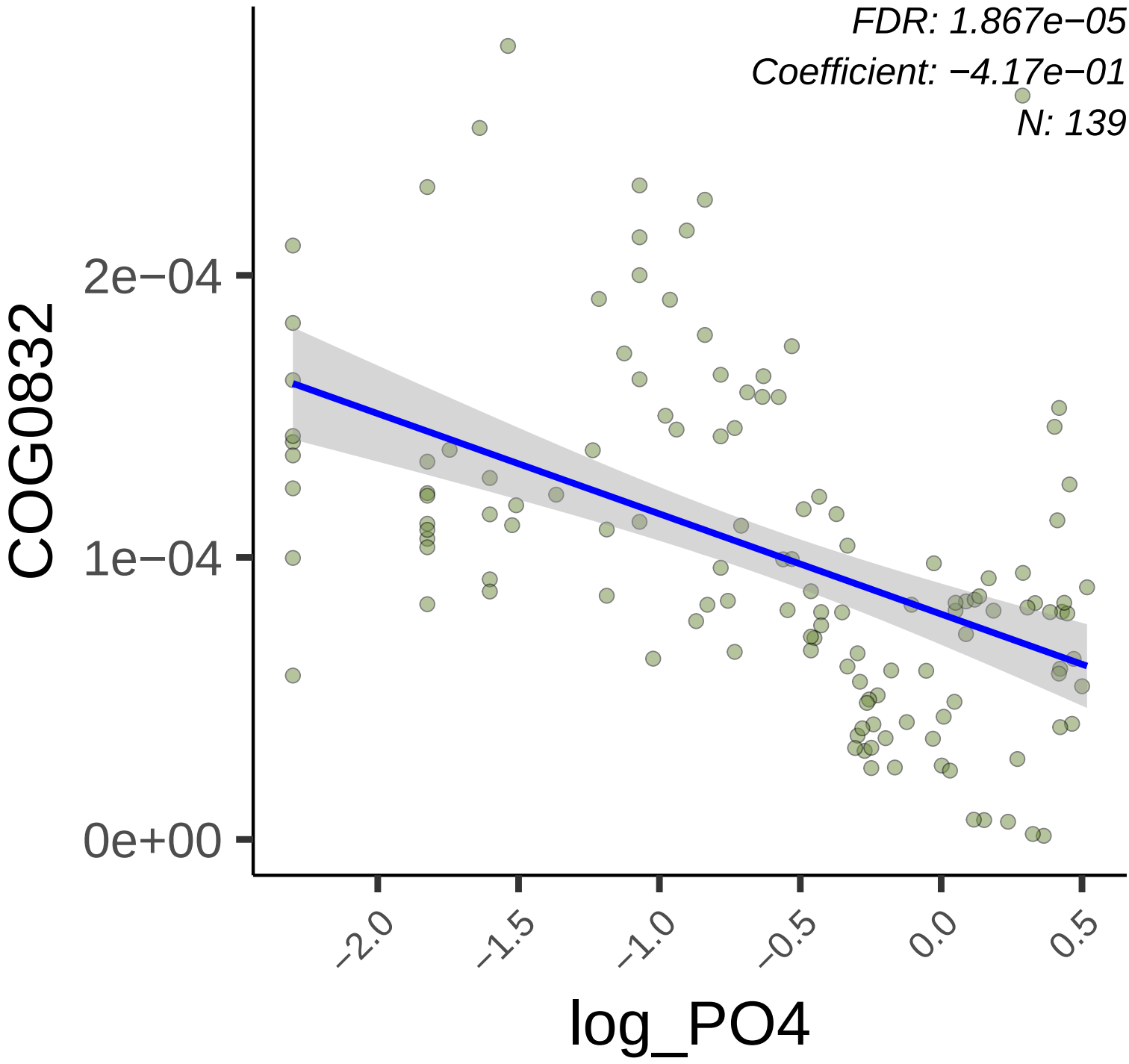
log_PO4


FDR: 1.867e−05
Coefficient: −4.17e−01
N: 139
COG0832
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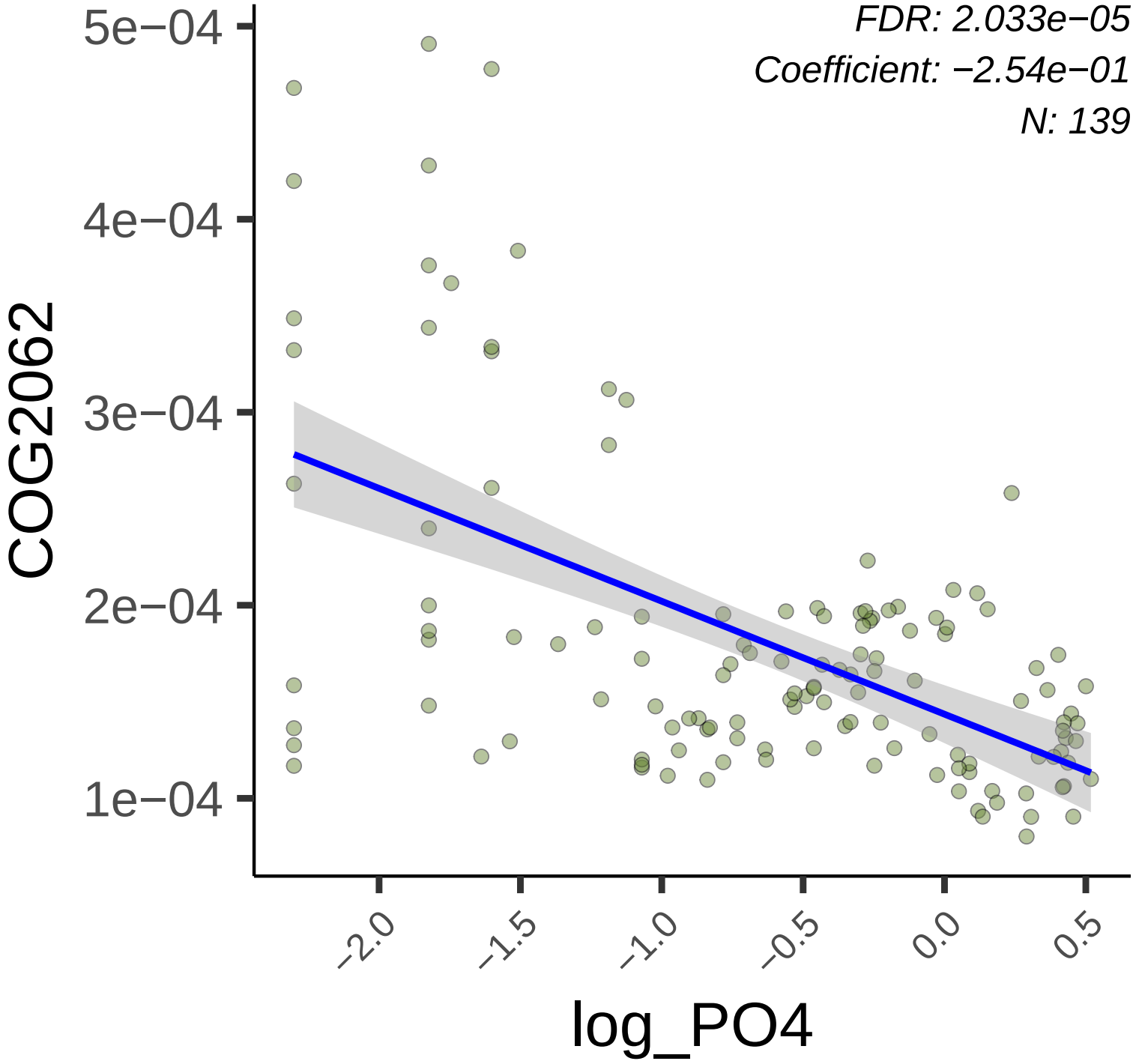
log_PO4


FDR: 2.033e−05
Coefficient: −2.54e−01
N: 139
COG2062
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1e−04
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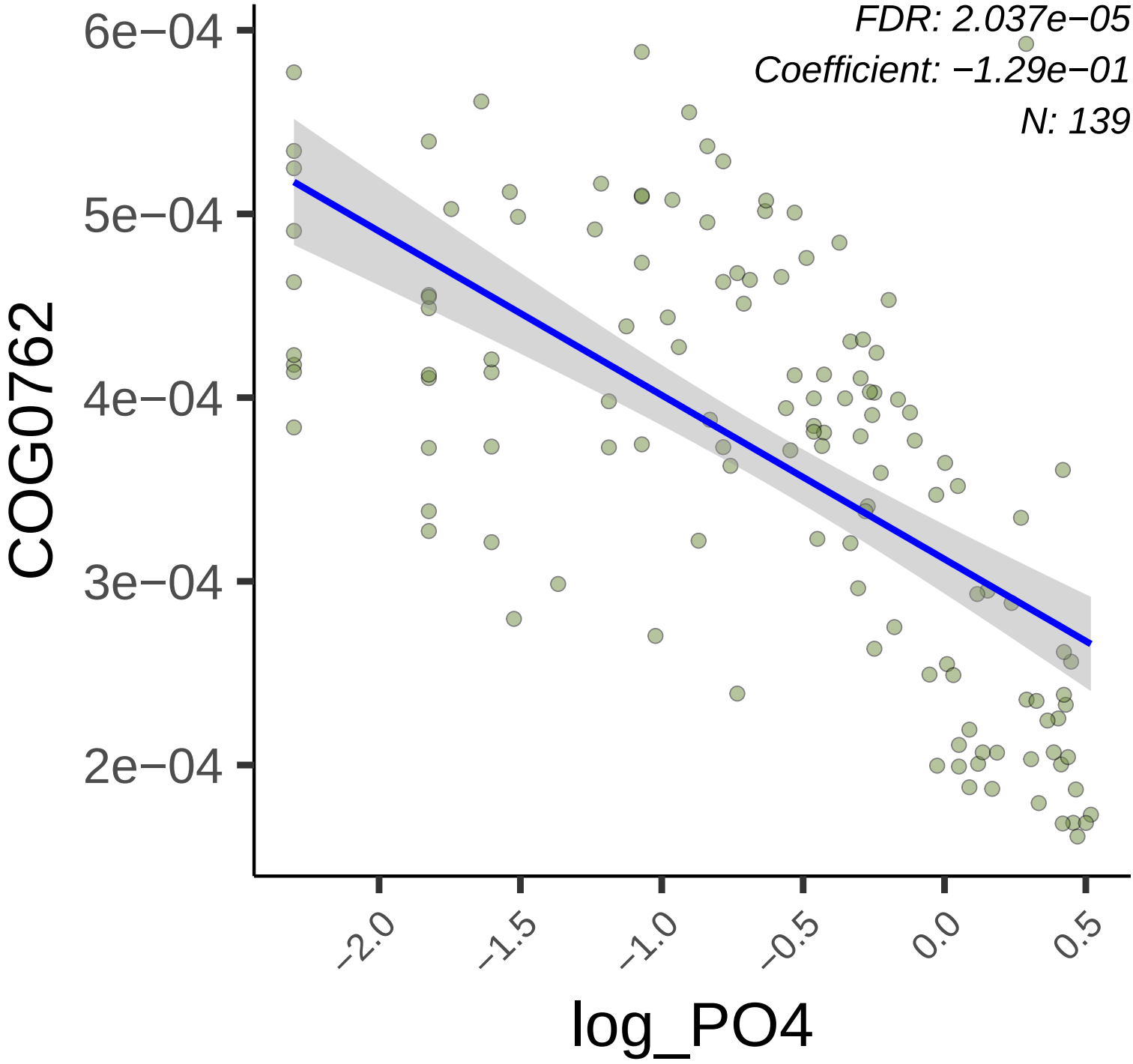
log_PO4


FDR: 2.037e−05
Coefficient: −1.29e−01
N: 139
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5e−04
4e−04
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COG0762
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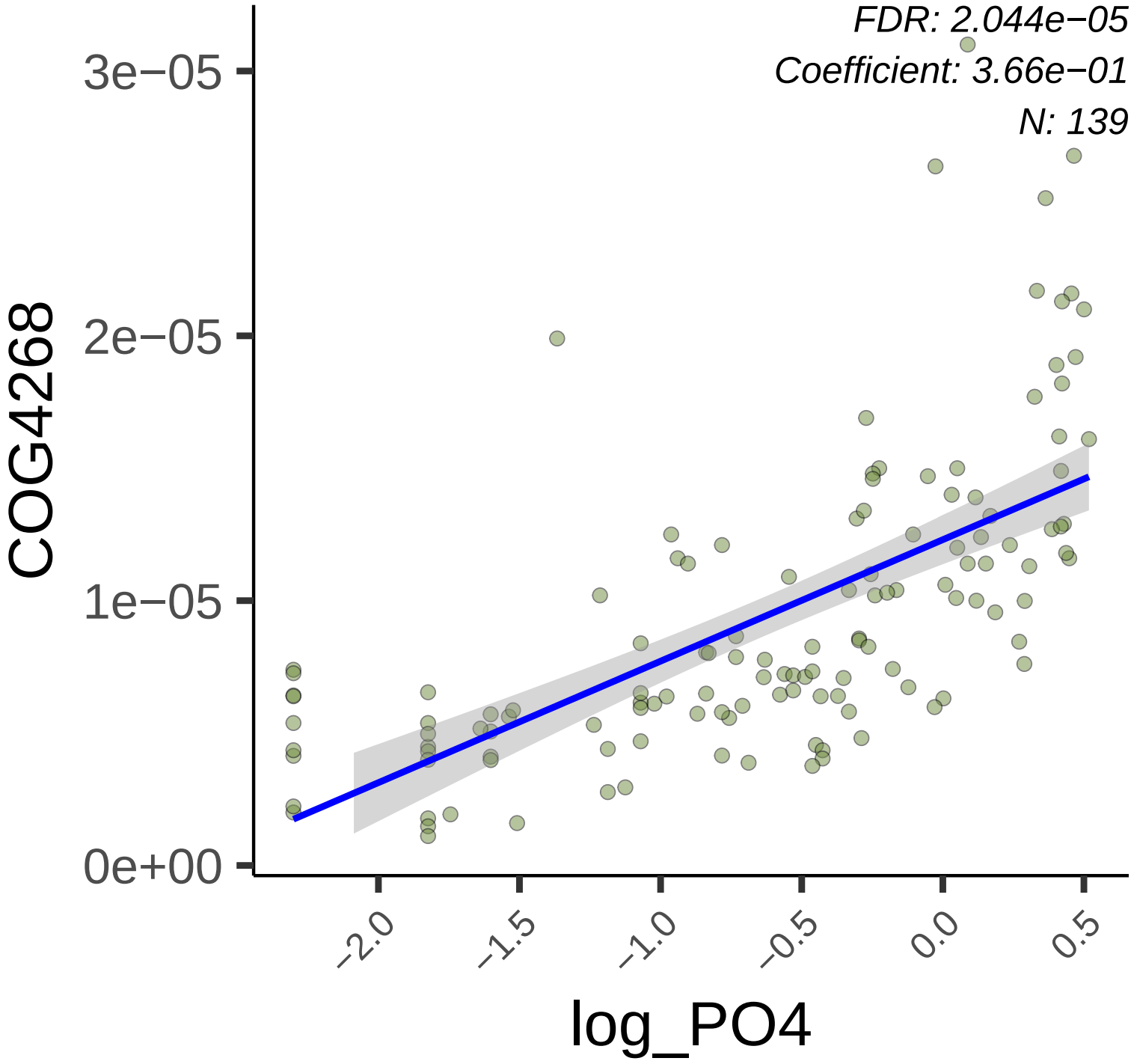
log_PO4


FDR: 2.044e−05
Coefficient: 3.66e−01
N: 139
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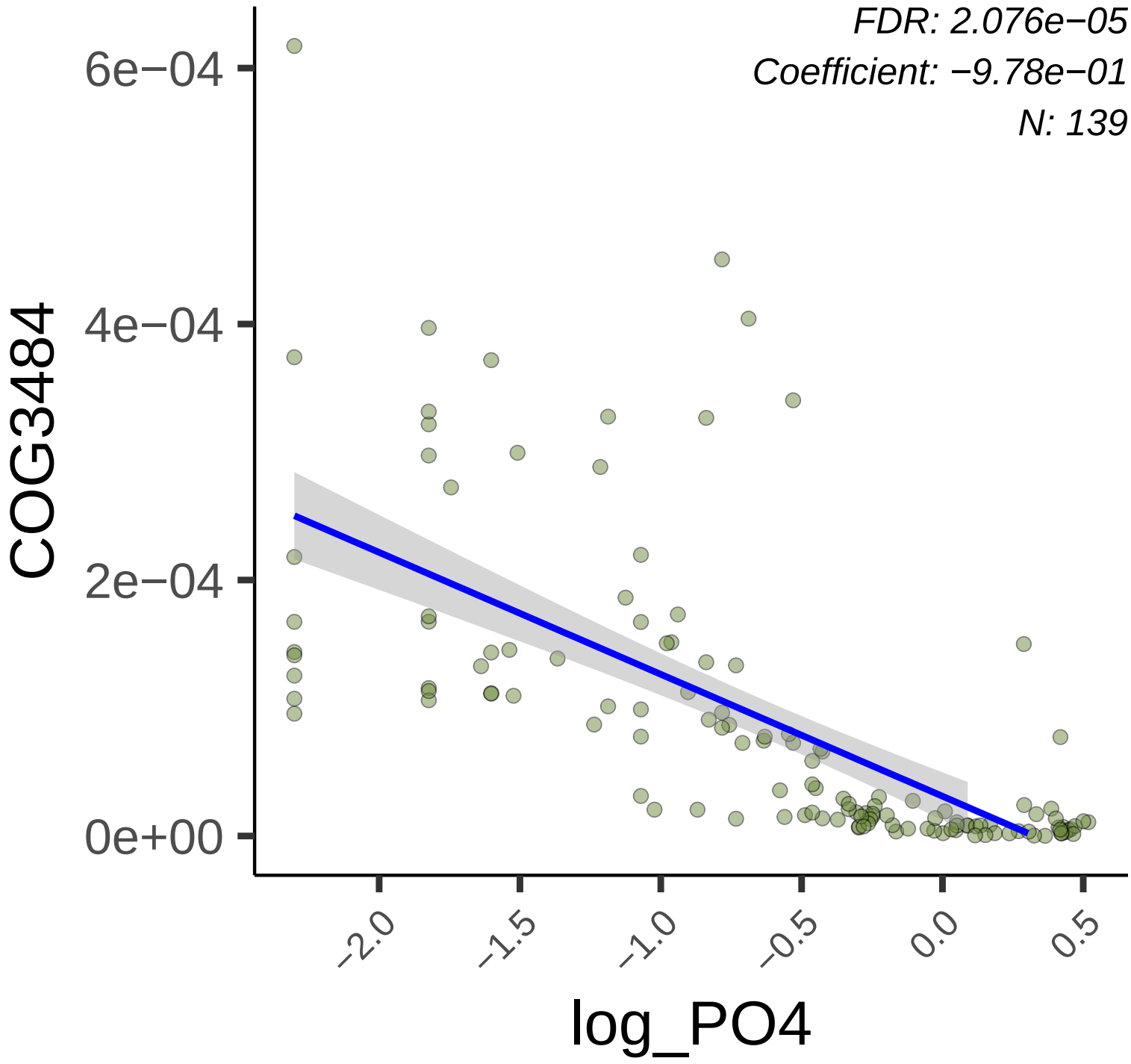
log_PO4


FDR: 2.076e−05
Coefficient: −9.78e−01
N: 139
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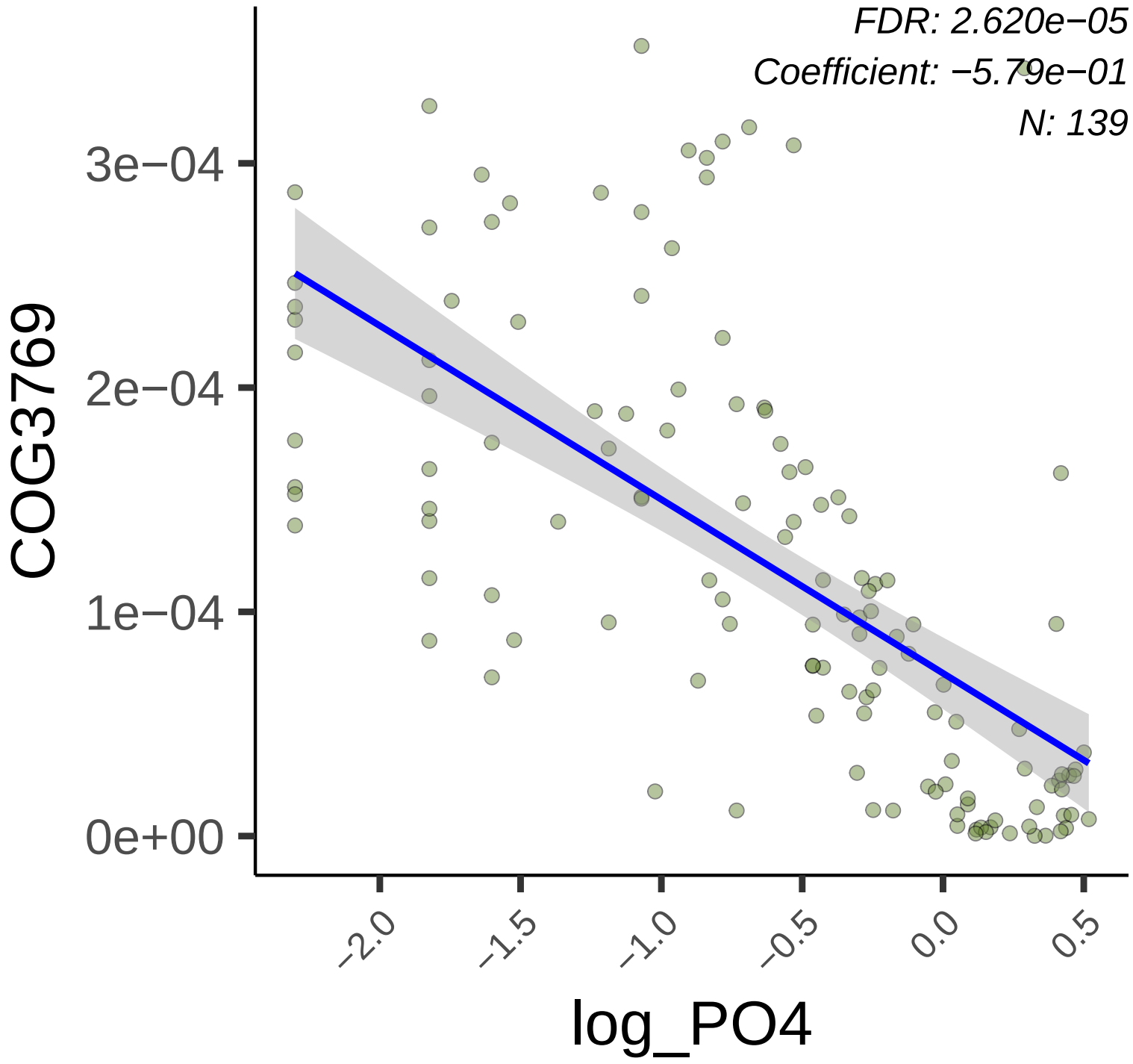
log_PO4


FDR: 2.620e−05
Coefficient: −5.79e−01
N: 139
COG3769
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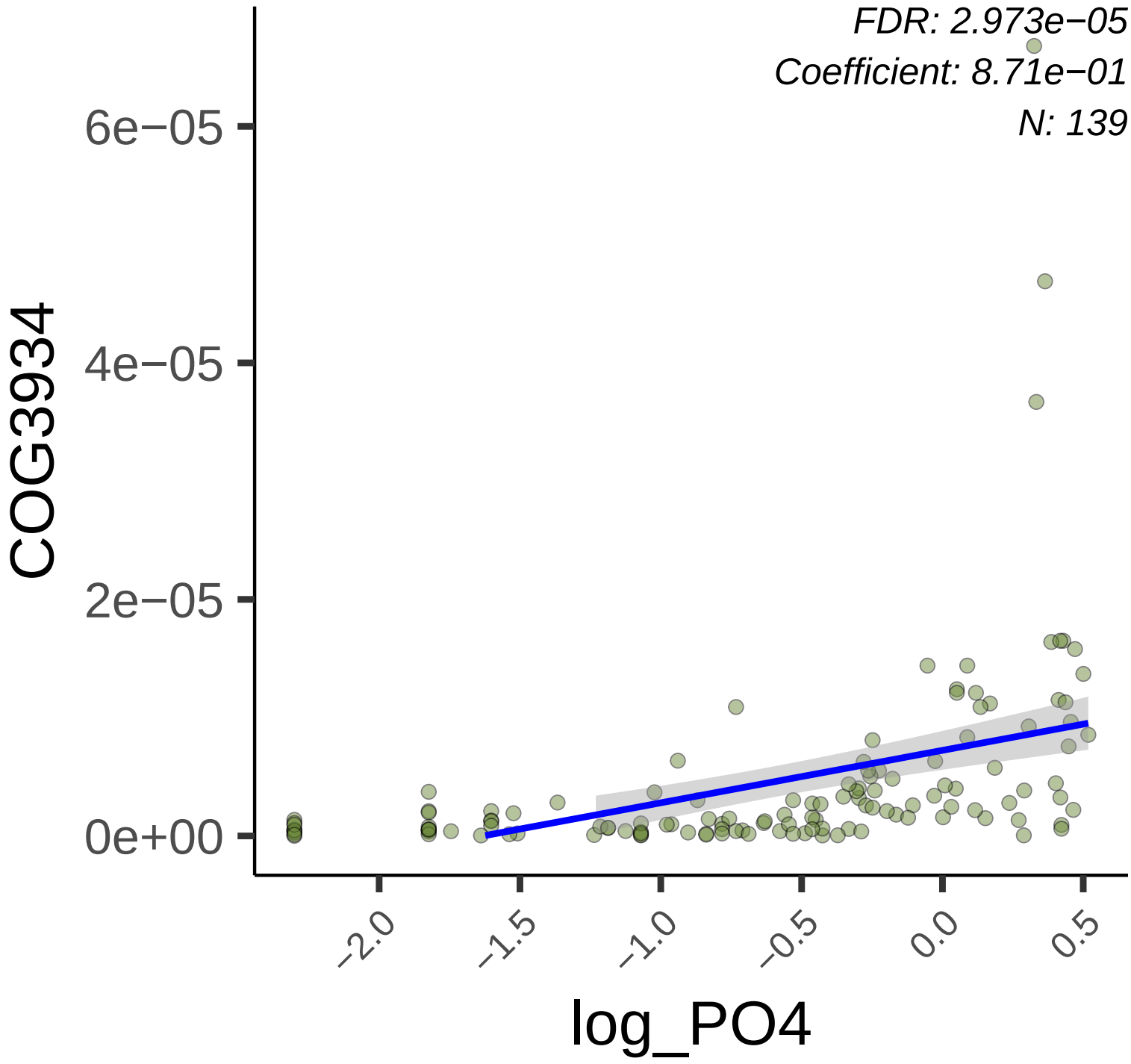
log_PO4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Coefficient: 8.71e−01
N: 139
COG3934
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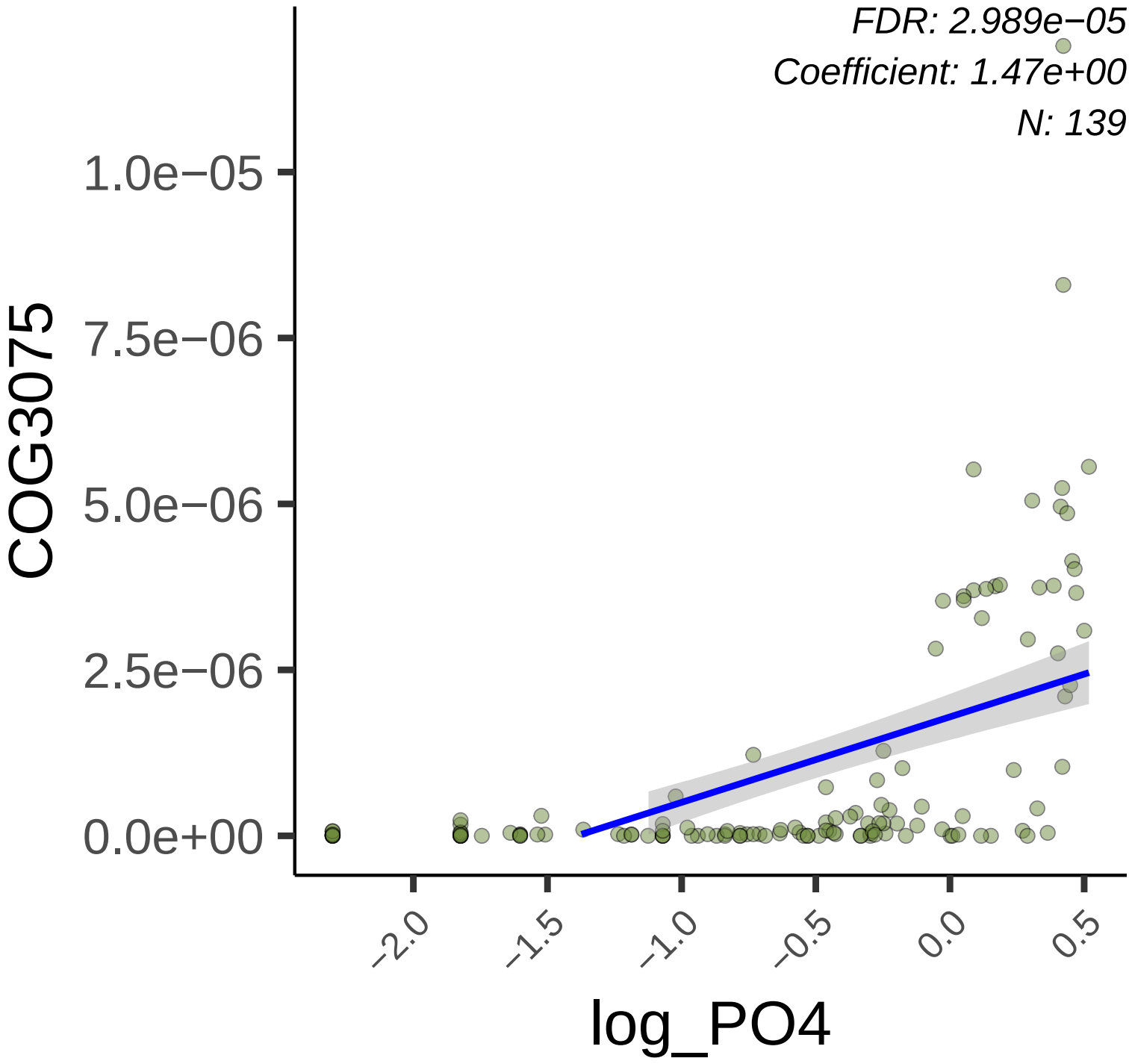
log_PO4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Coefficient: 1.47e+00
N: 139
COG3075
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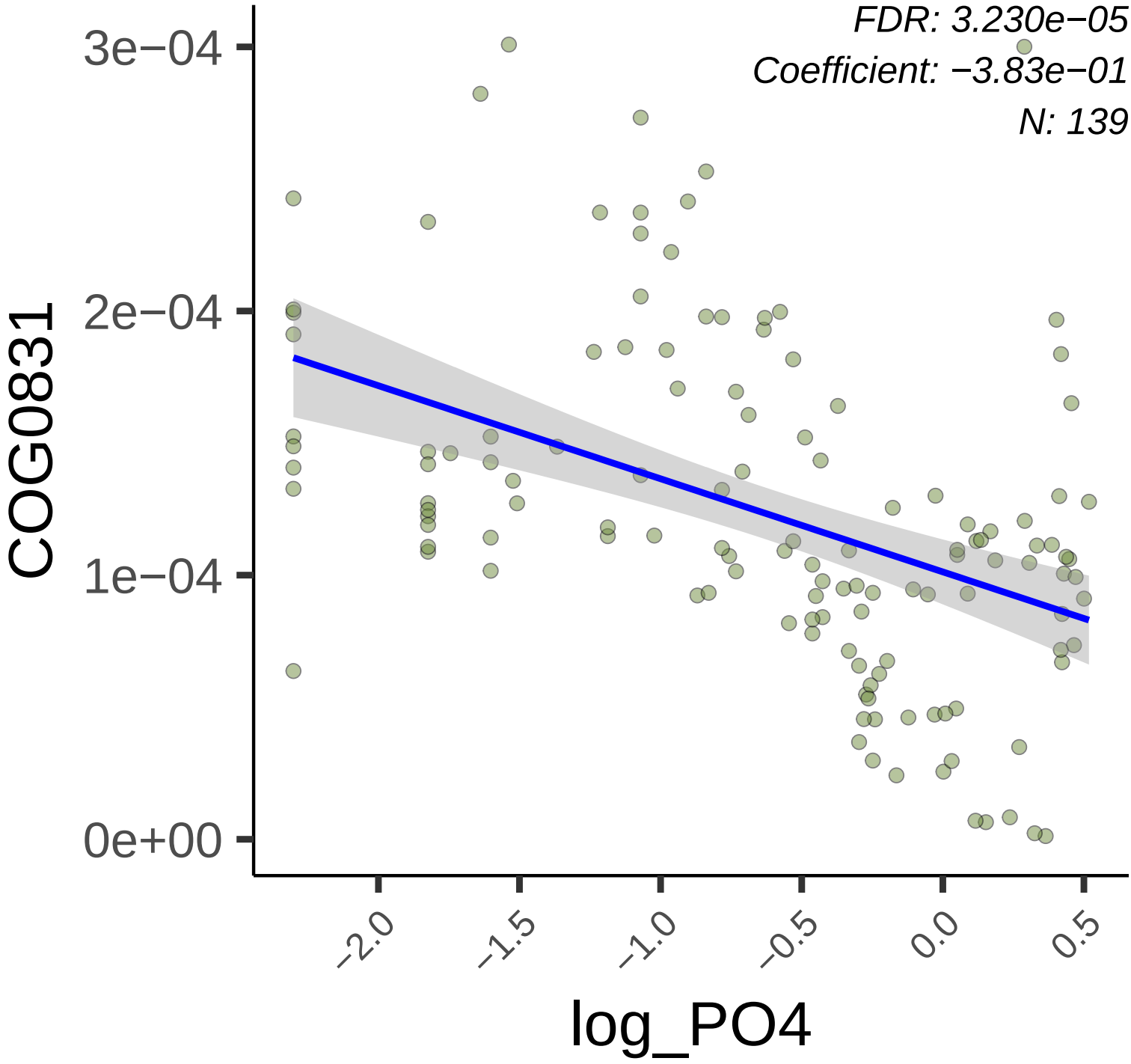
log_PO4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Coefficient: −3.83e−01
N: 139
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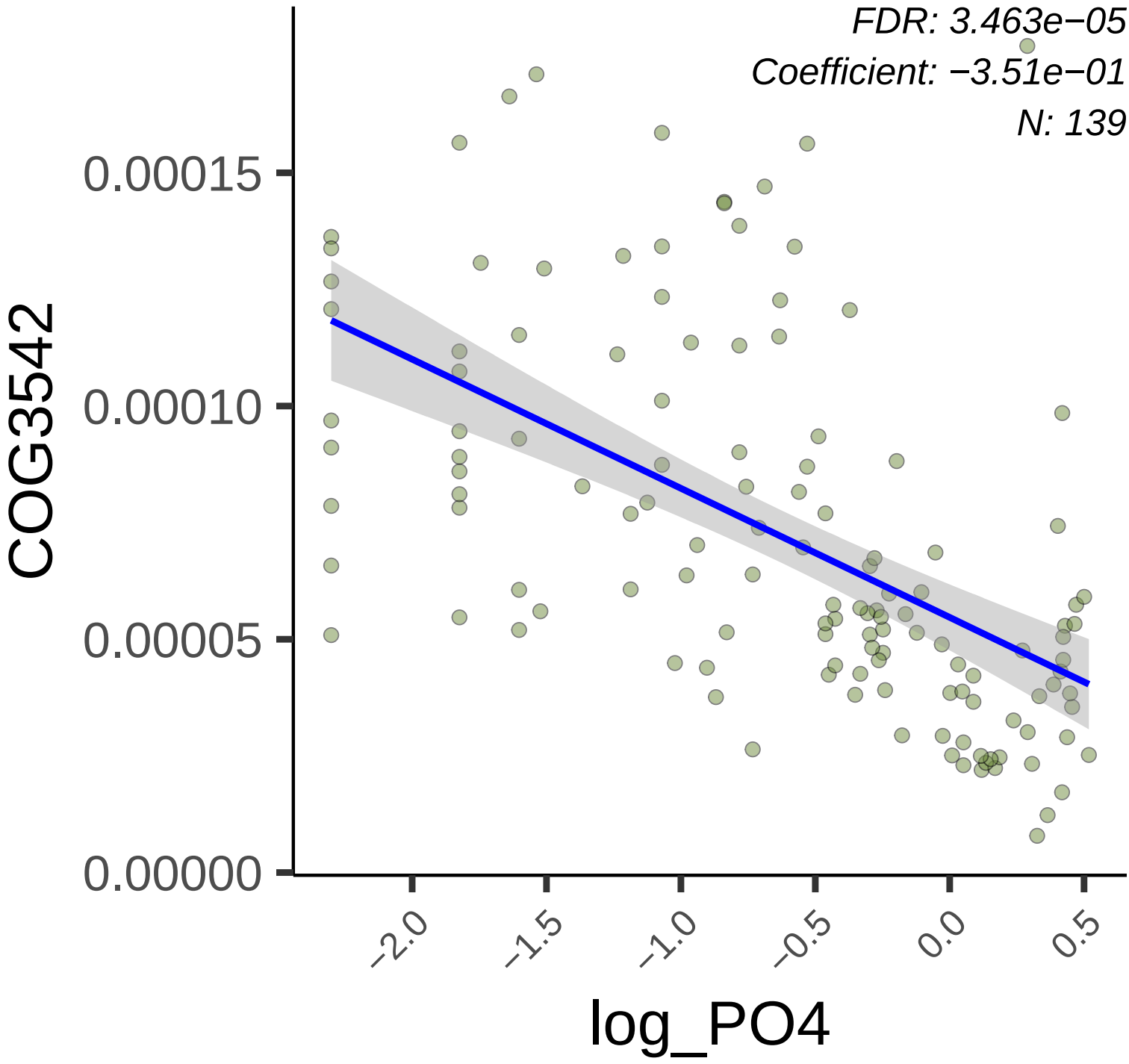
log_PO4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Coefficient: −3.51e−01
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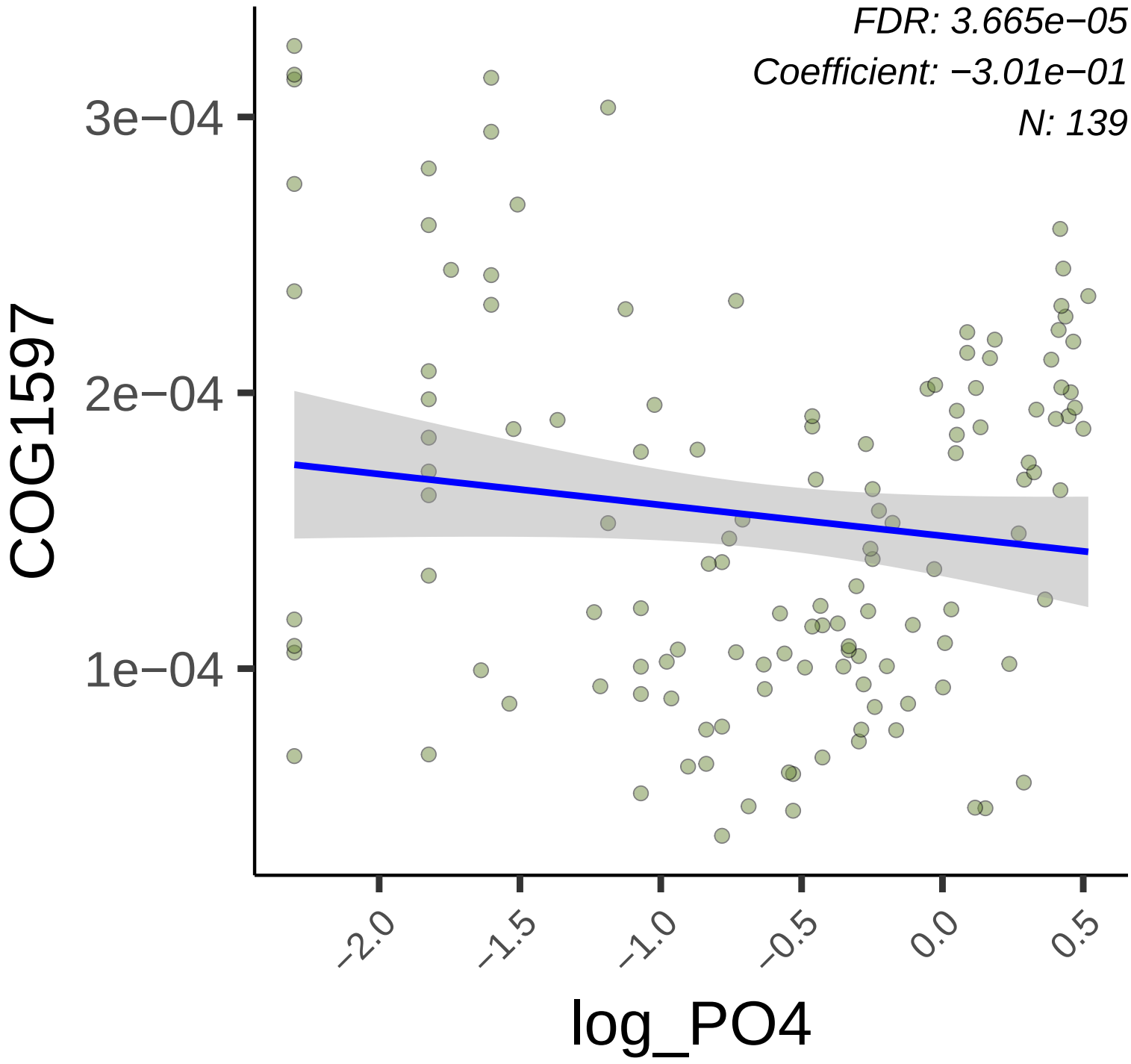
log_PO4


FDR: 3.665e−05
Coefficient: −3.01e−01
N: 139
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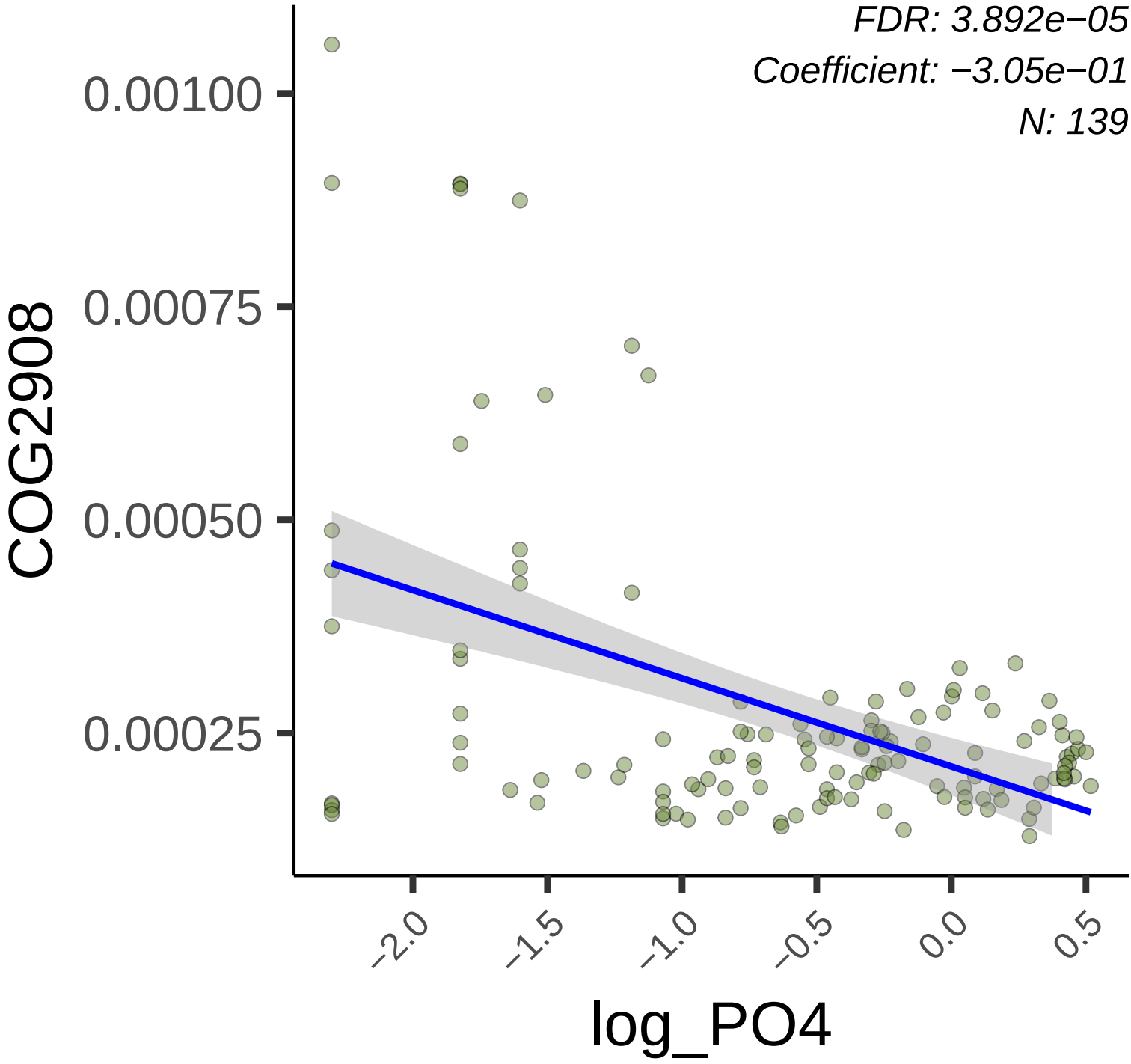
log_PO4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Coefficient: −3.05e−01
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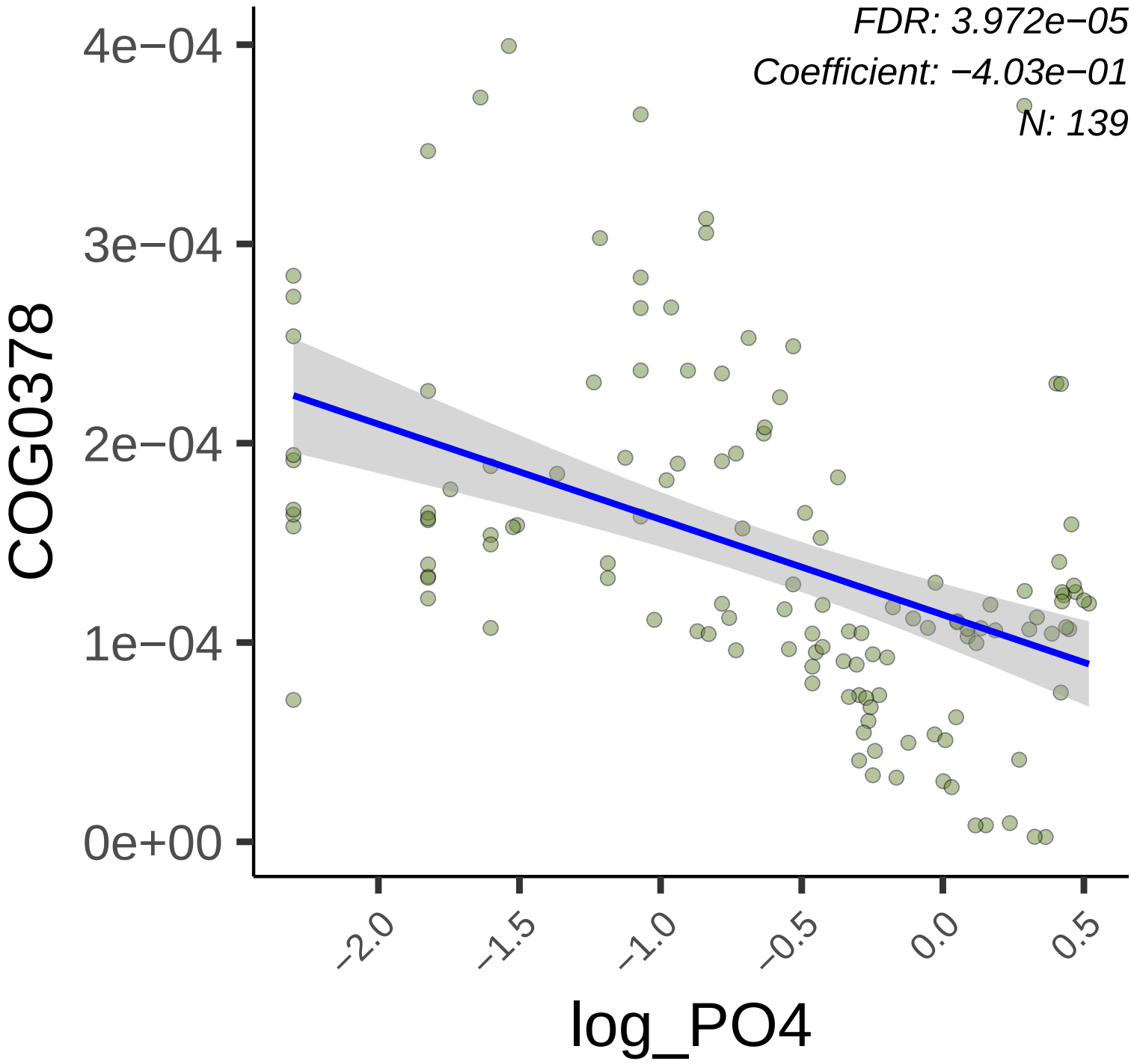
log_PO4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Coefficient: −4.03e−01
N: 139
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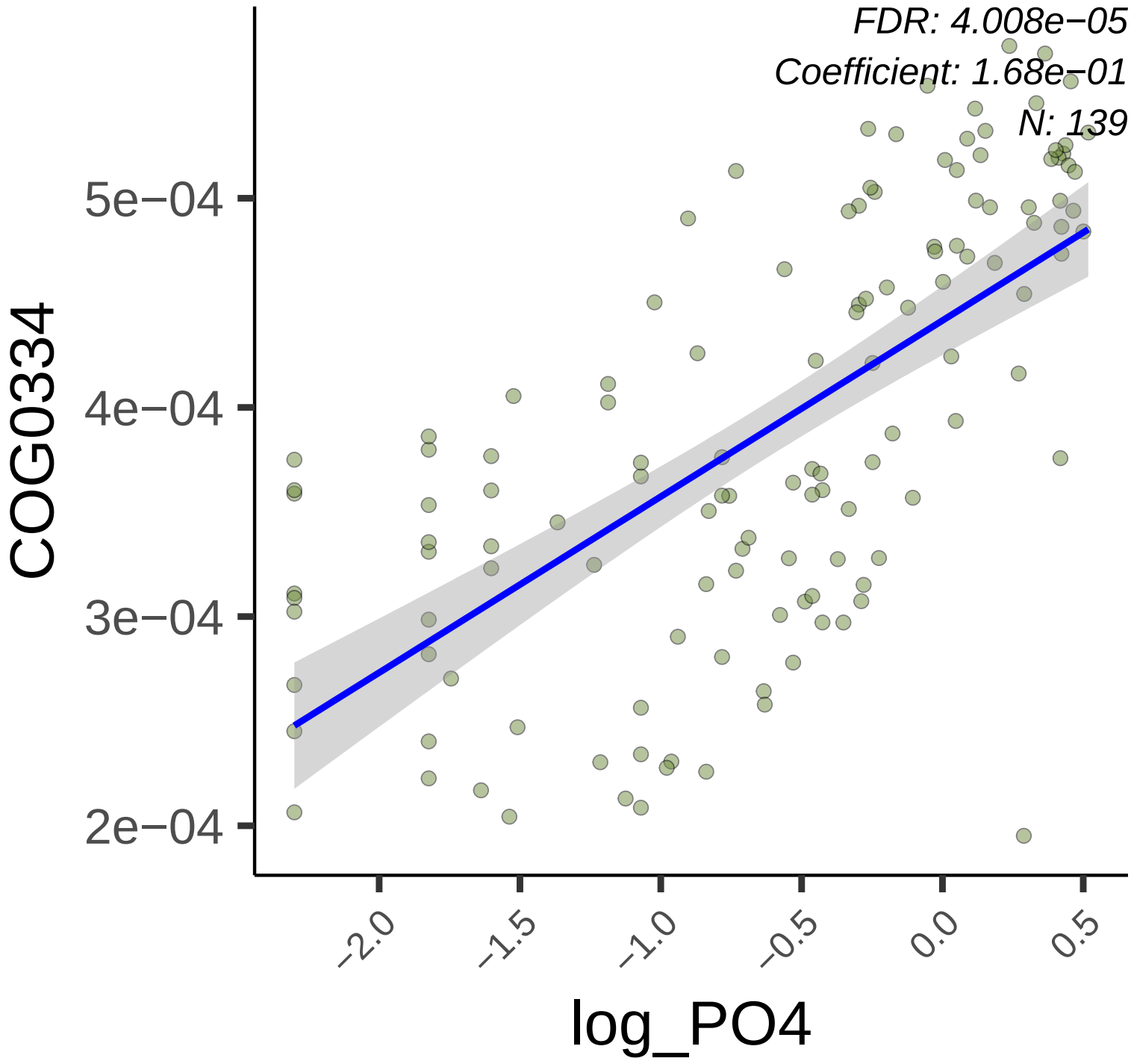
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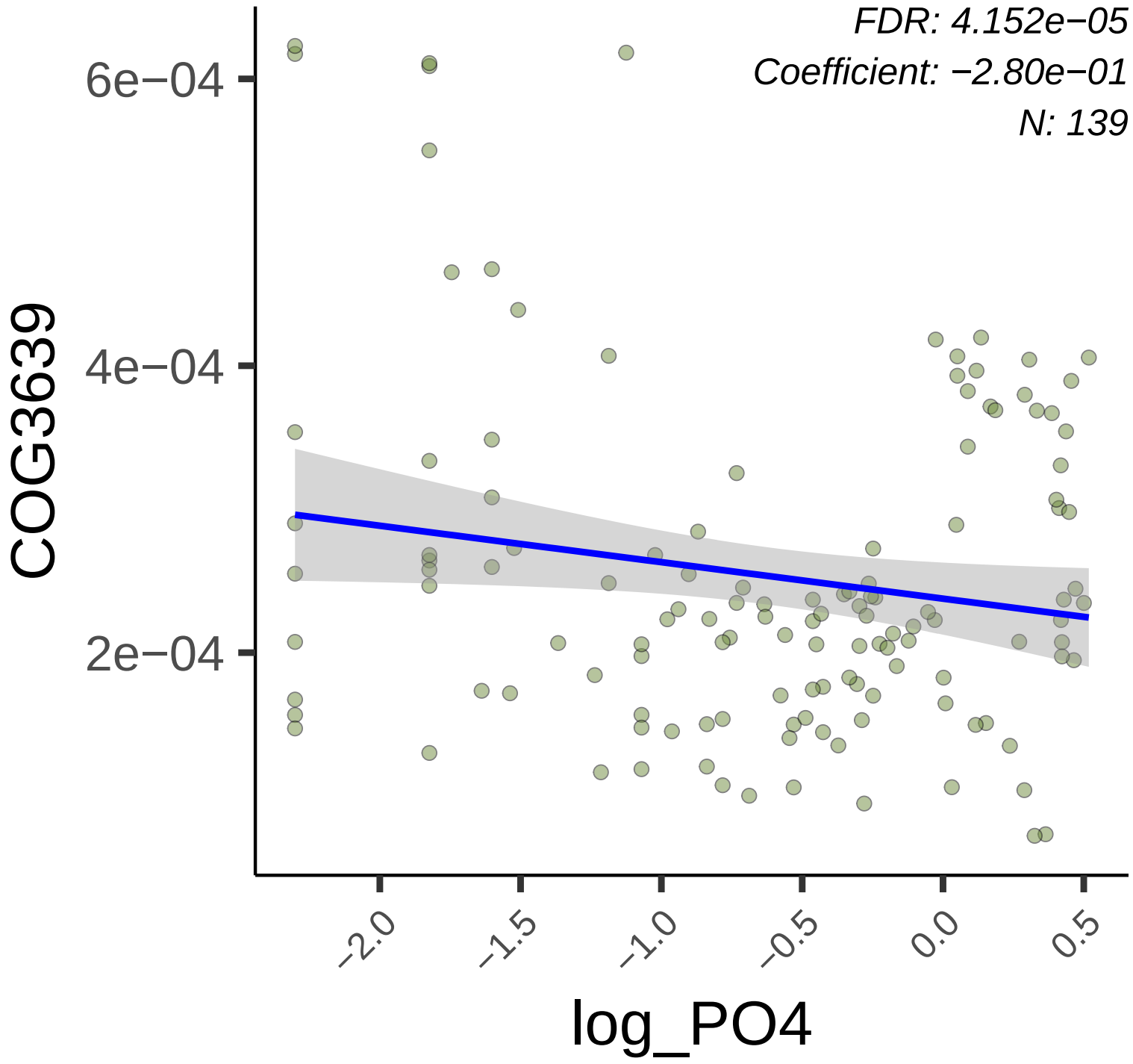
log_PO4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Coefficient: −2.80e−01
N: 139
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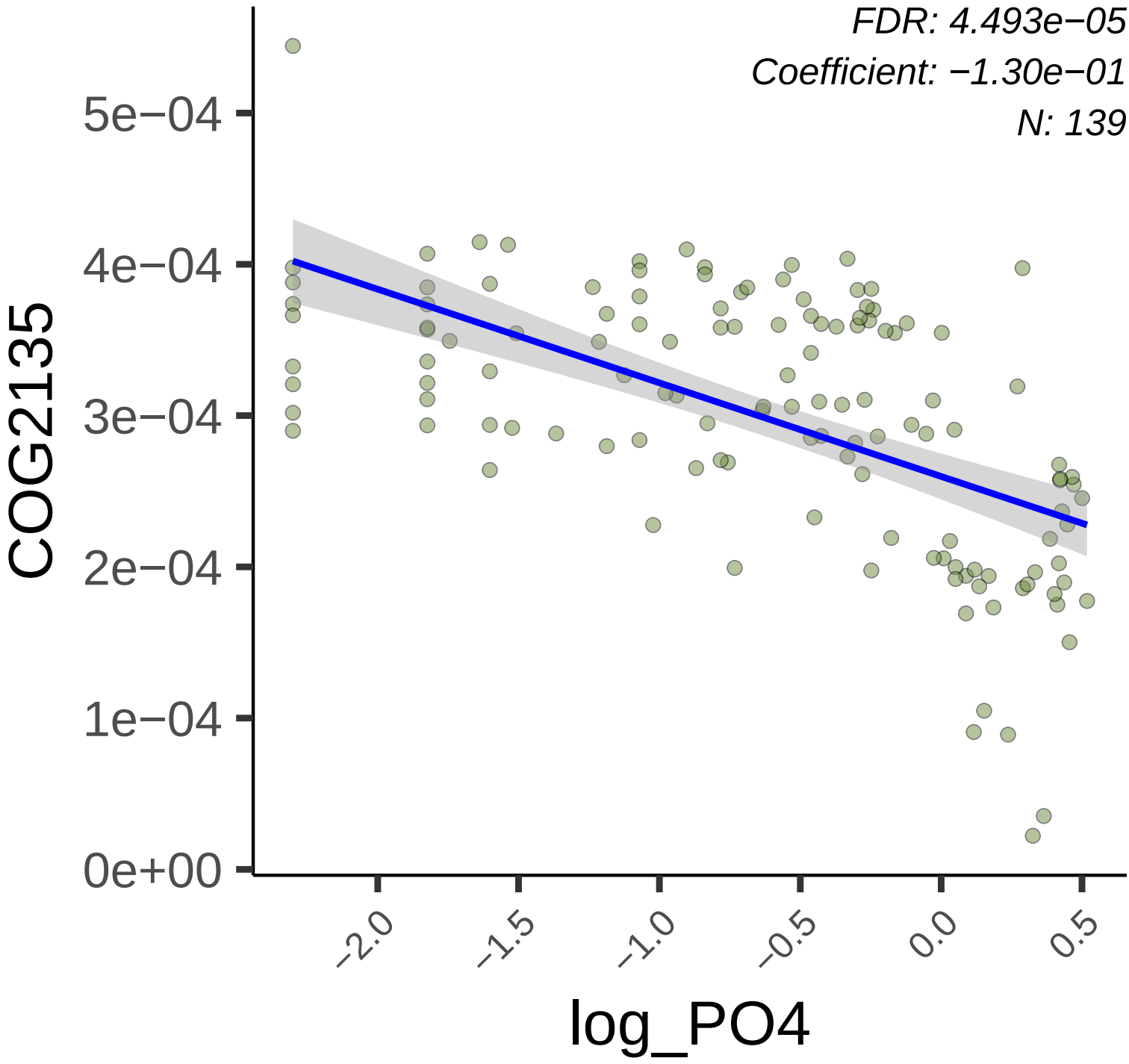
FDR: 4.493e−05
Coefficient: −1.30e−01
N: 139
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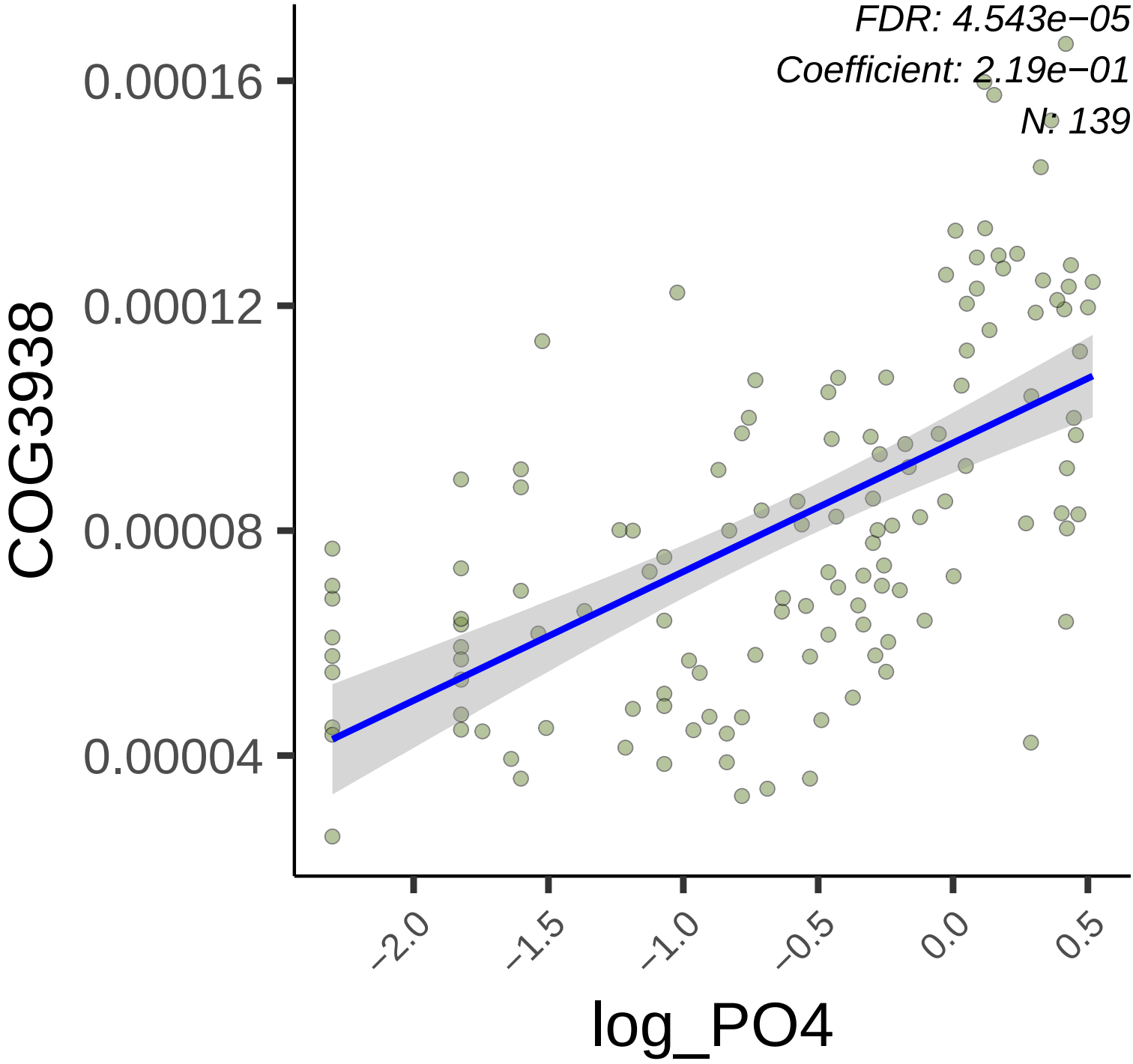
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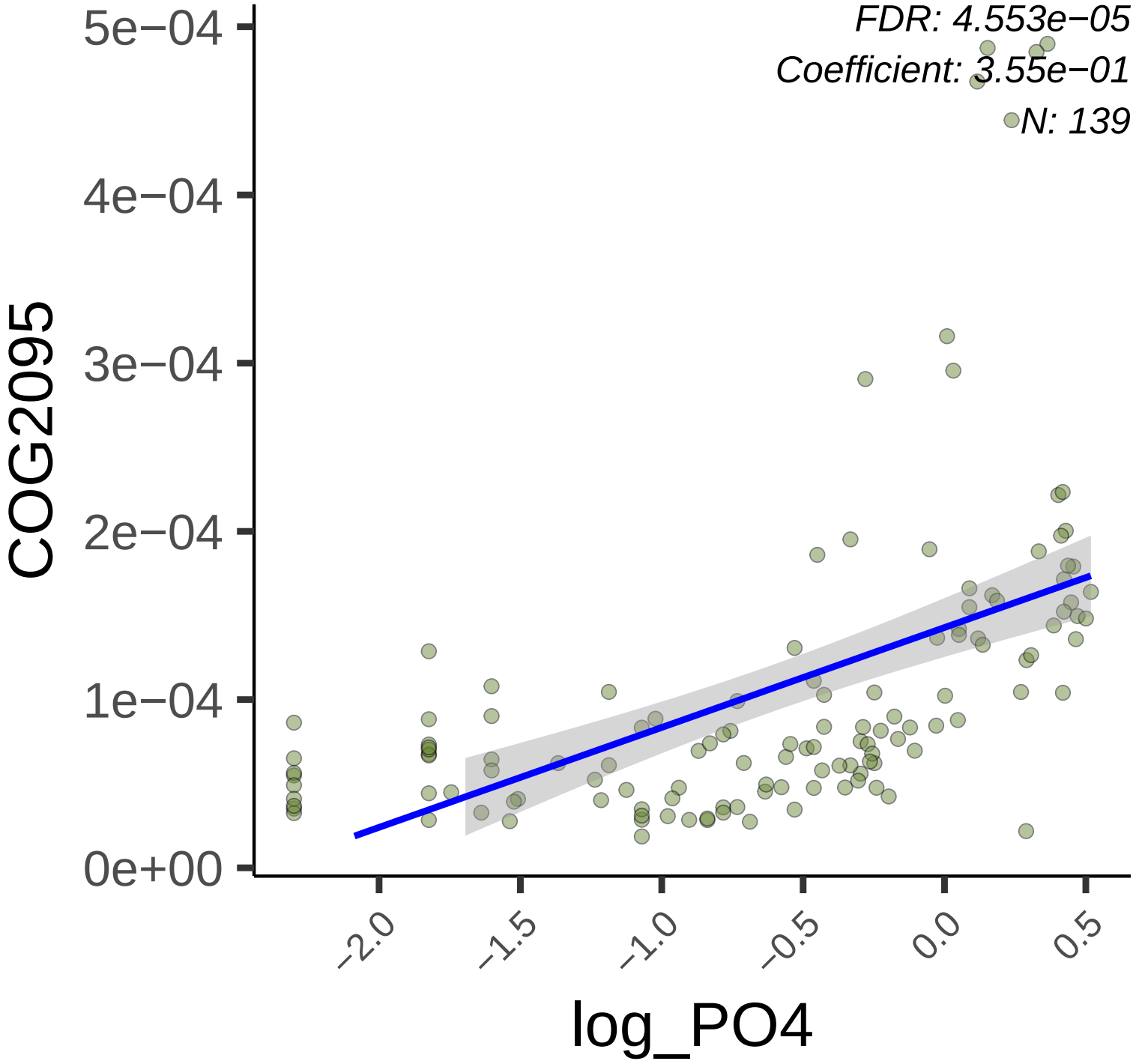
log_PO4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Coefficient: 3.55e−01
N: 139
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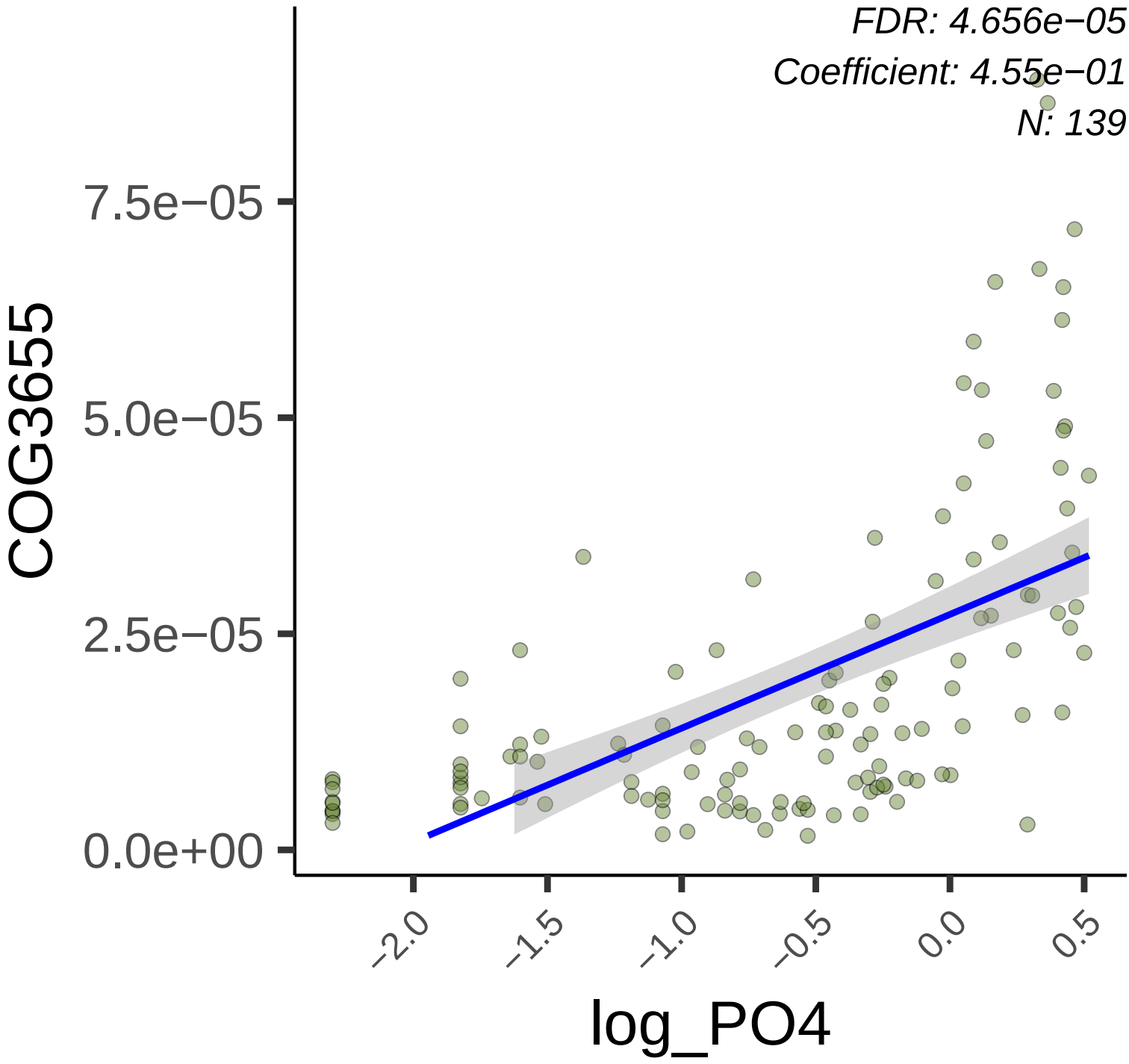
log_PO4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Coefficient: 4.55e−01
N: 139
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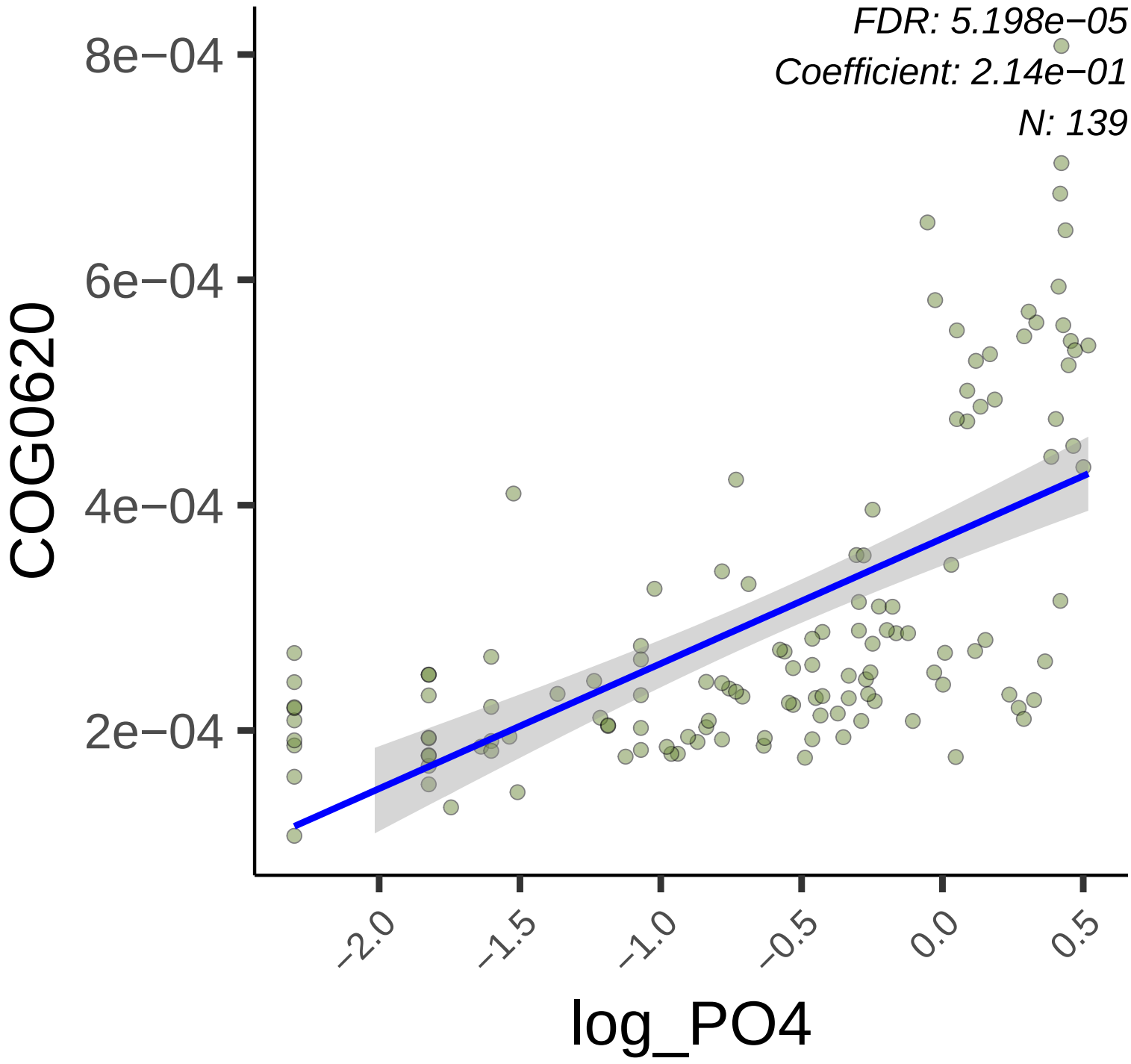
log_PO4


FDR: 5.198e−05
Coefficient: 2.14e−01
N: 139
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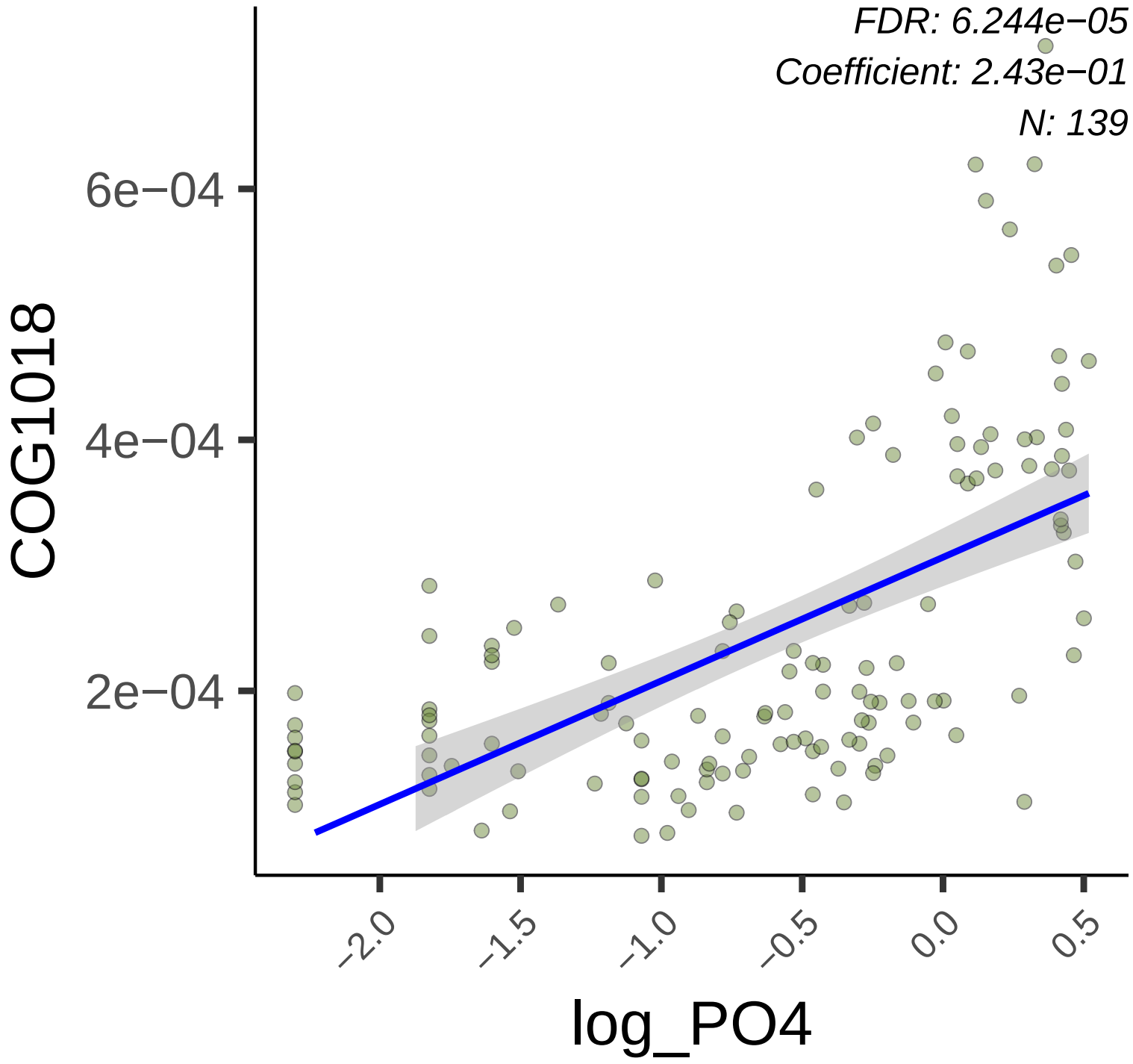
log_PO4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Coefficient: 2.43e−01
N: 139
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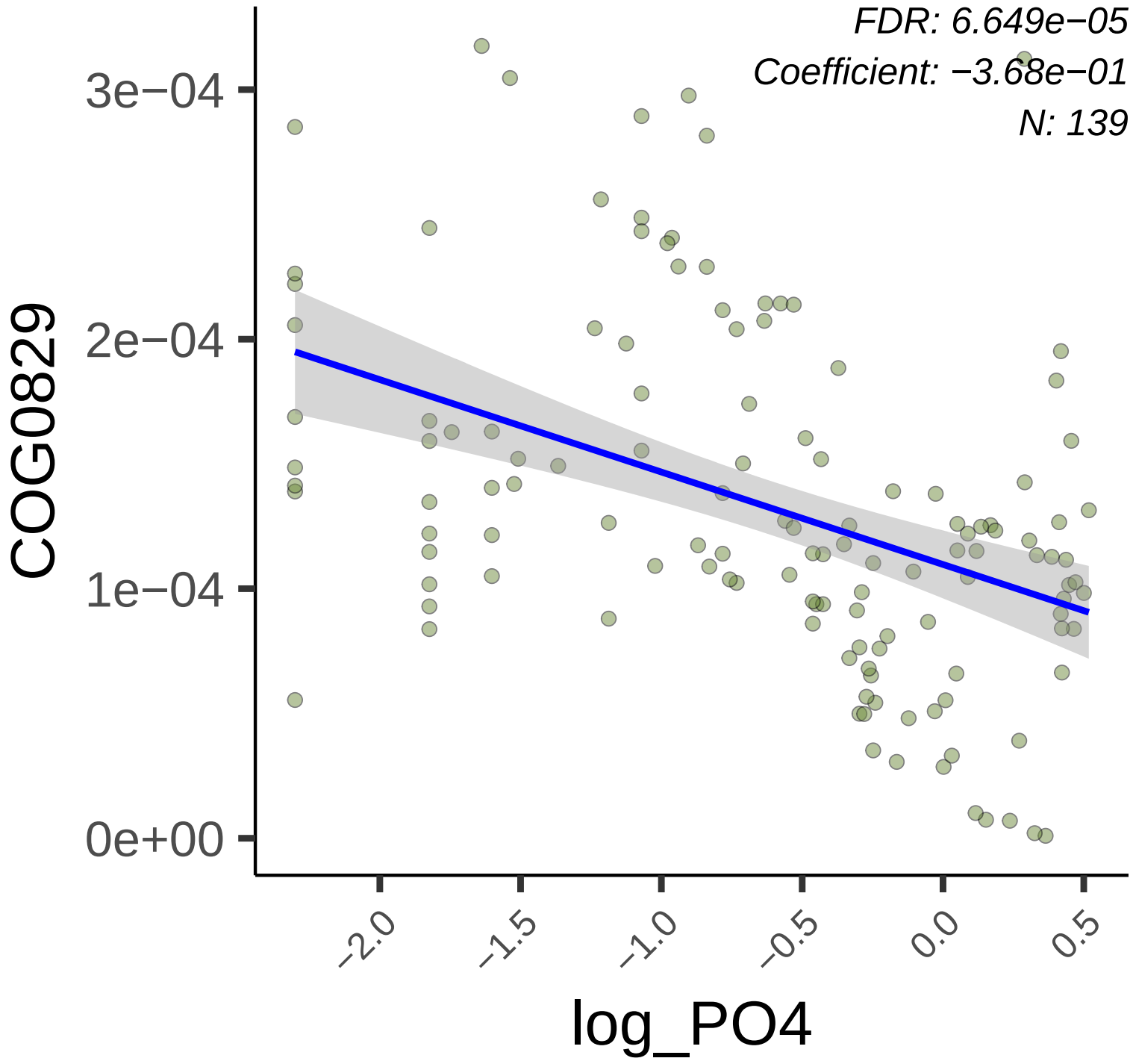
log_PO4


FDR: 6.649e−05
Coefficient: −3.68e−01
N: 139
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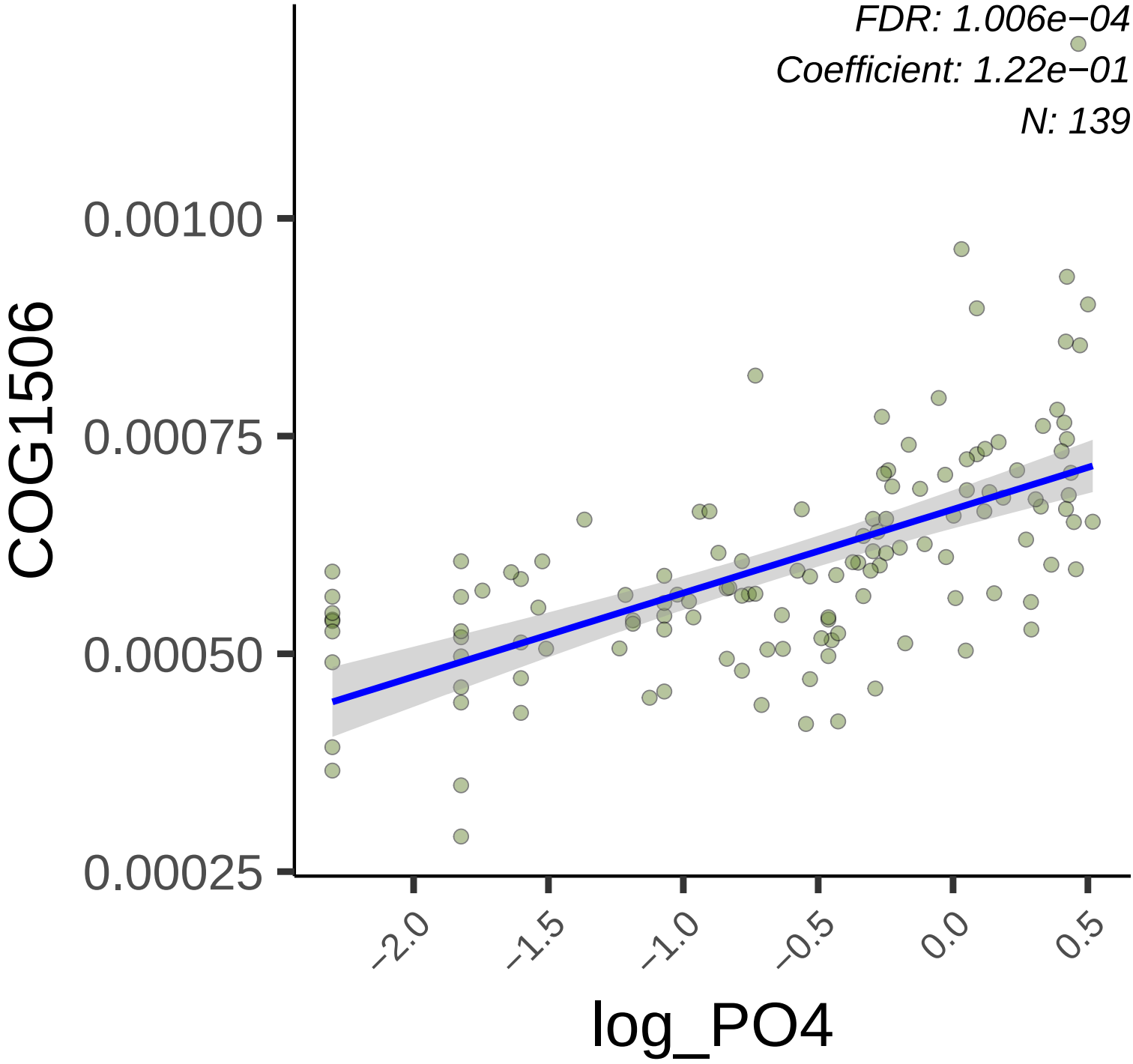
log_PO4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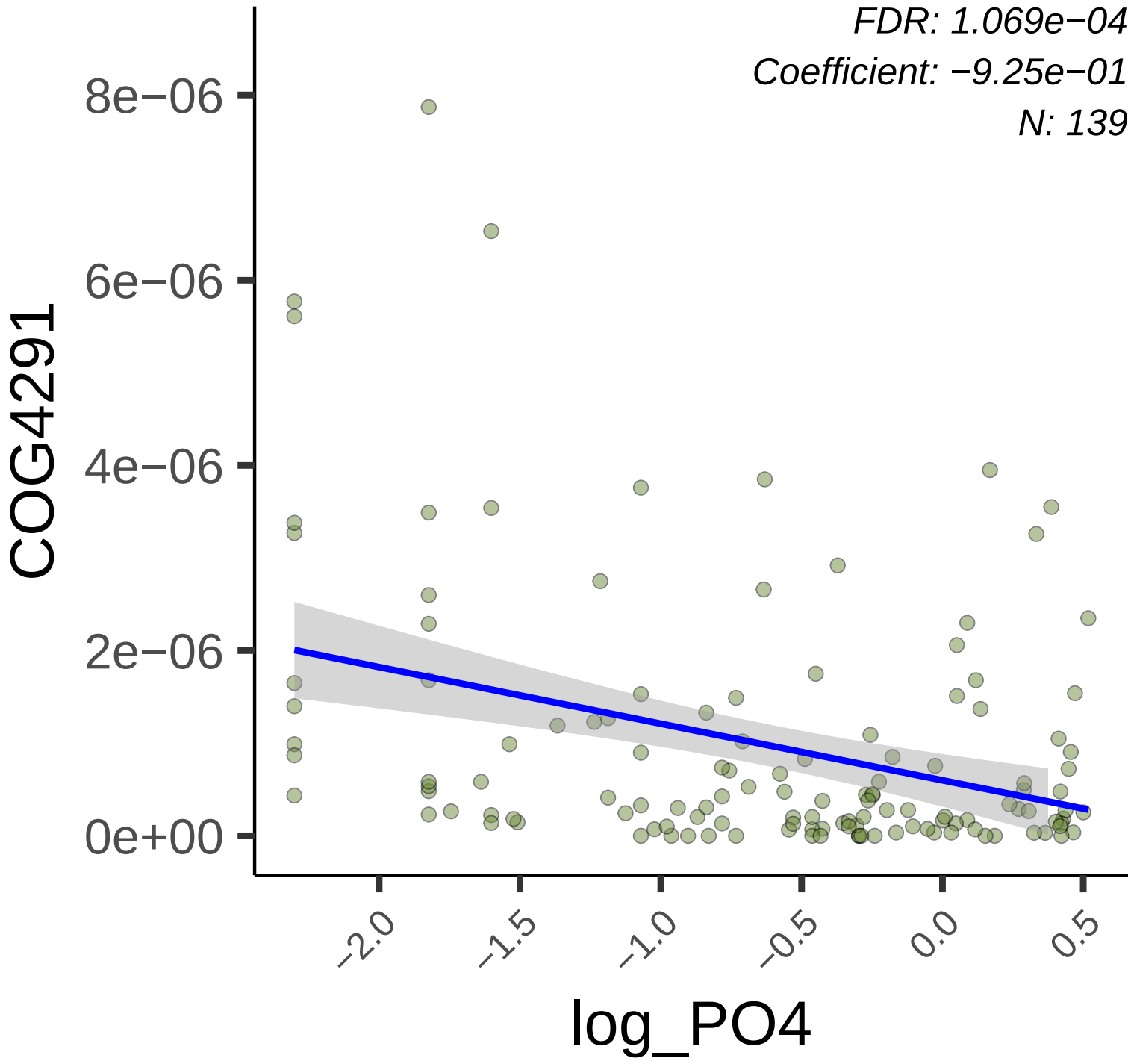
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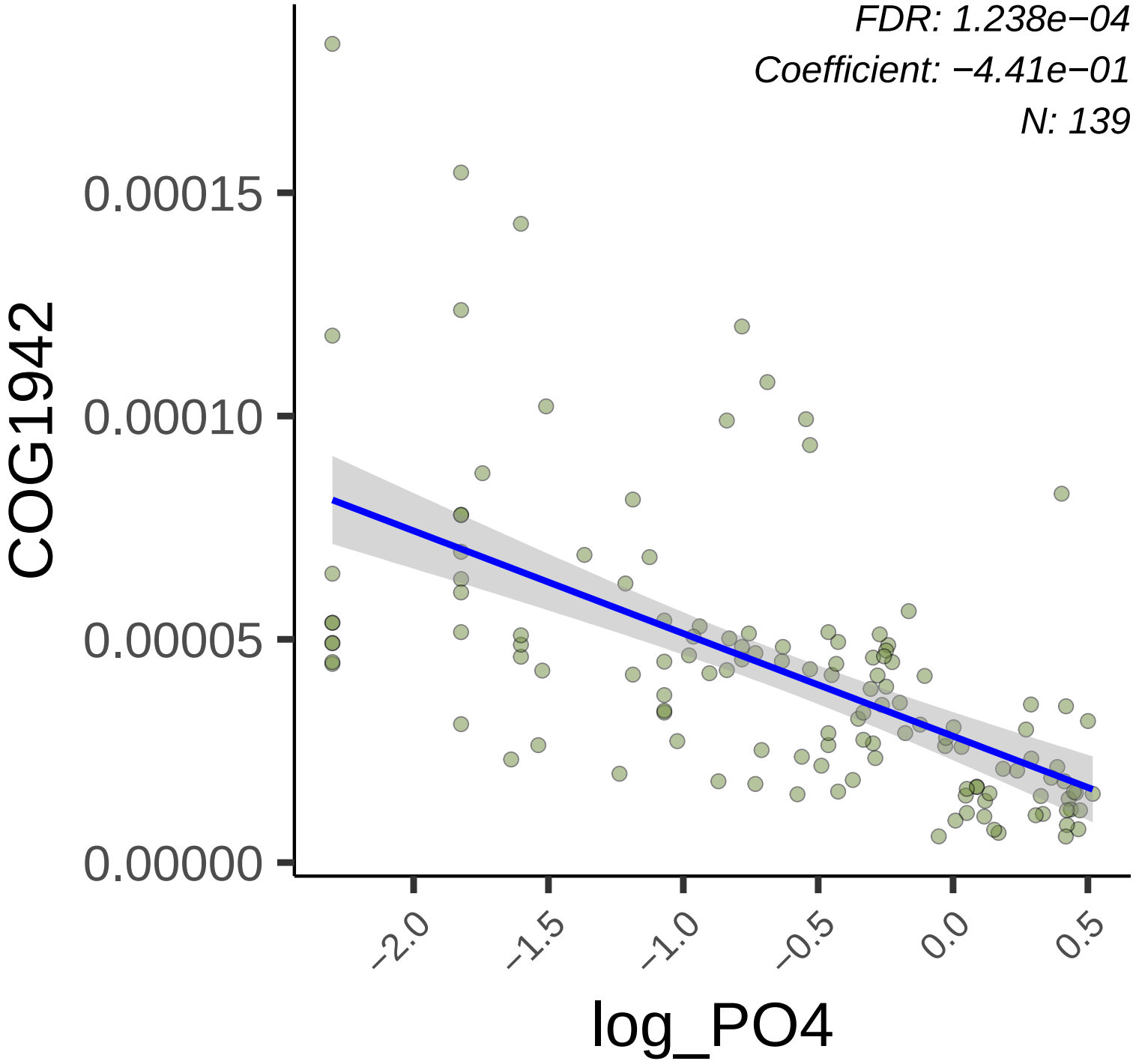
log_PO4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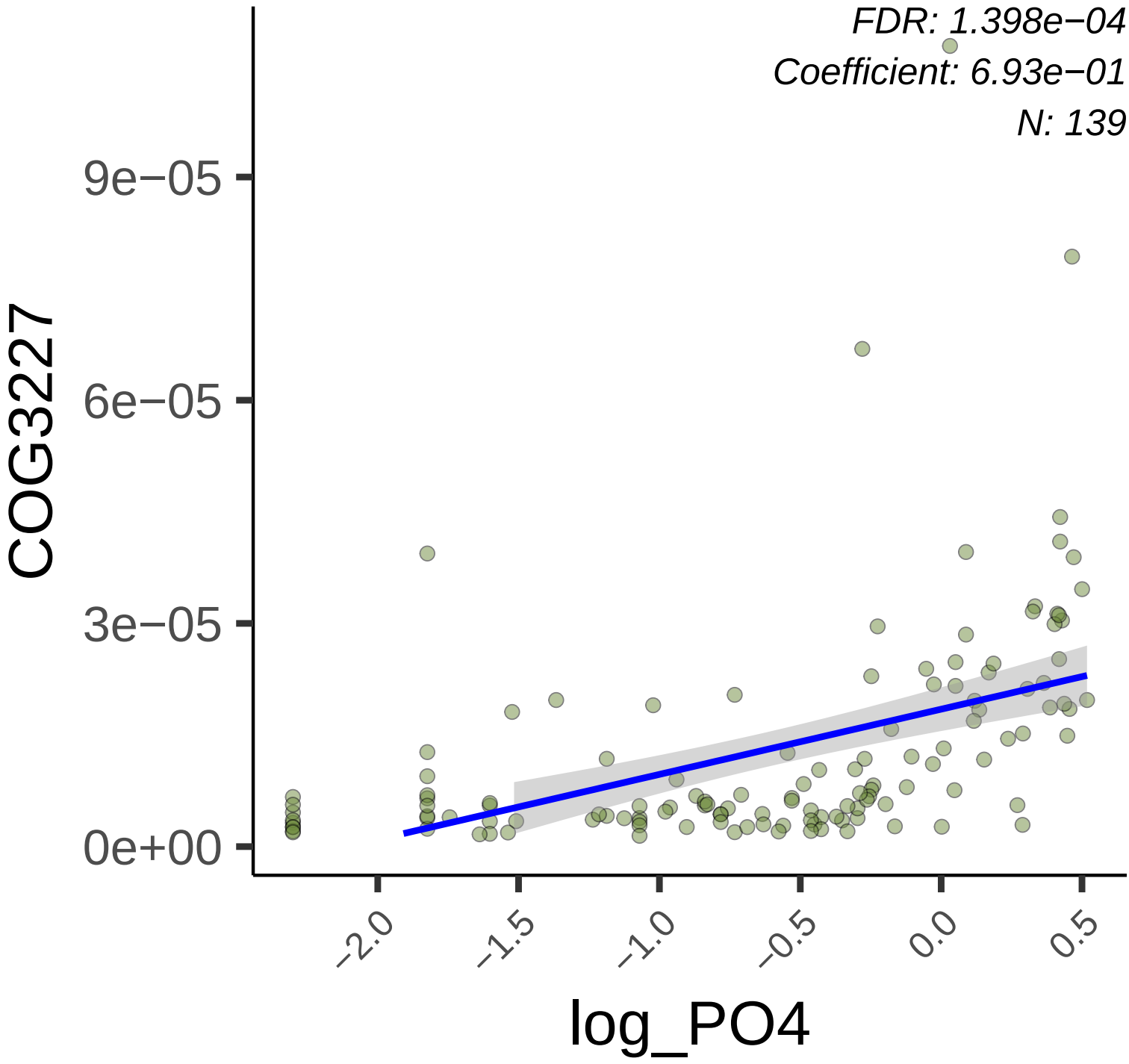
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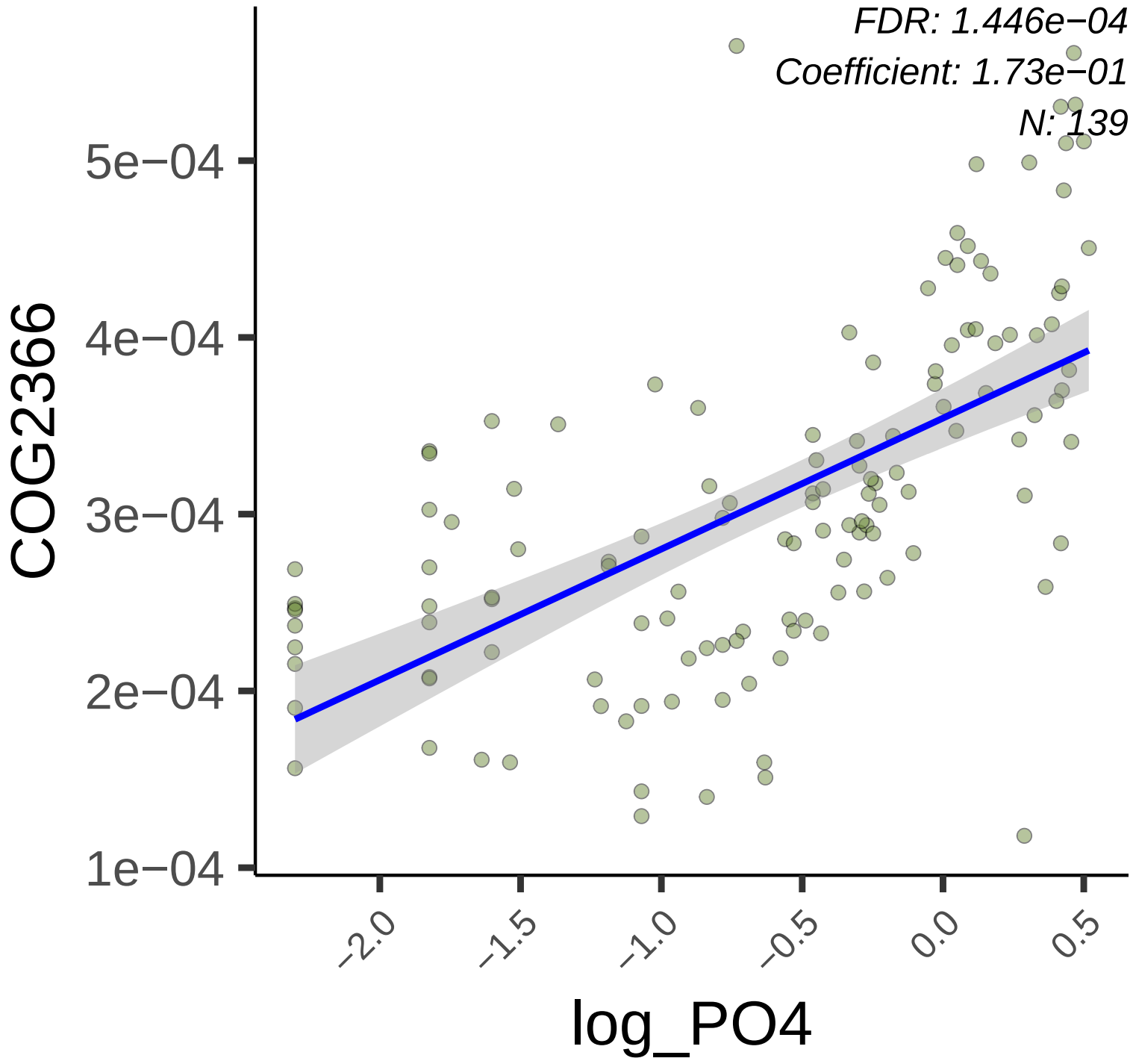
FDR: 1.446e−04
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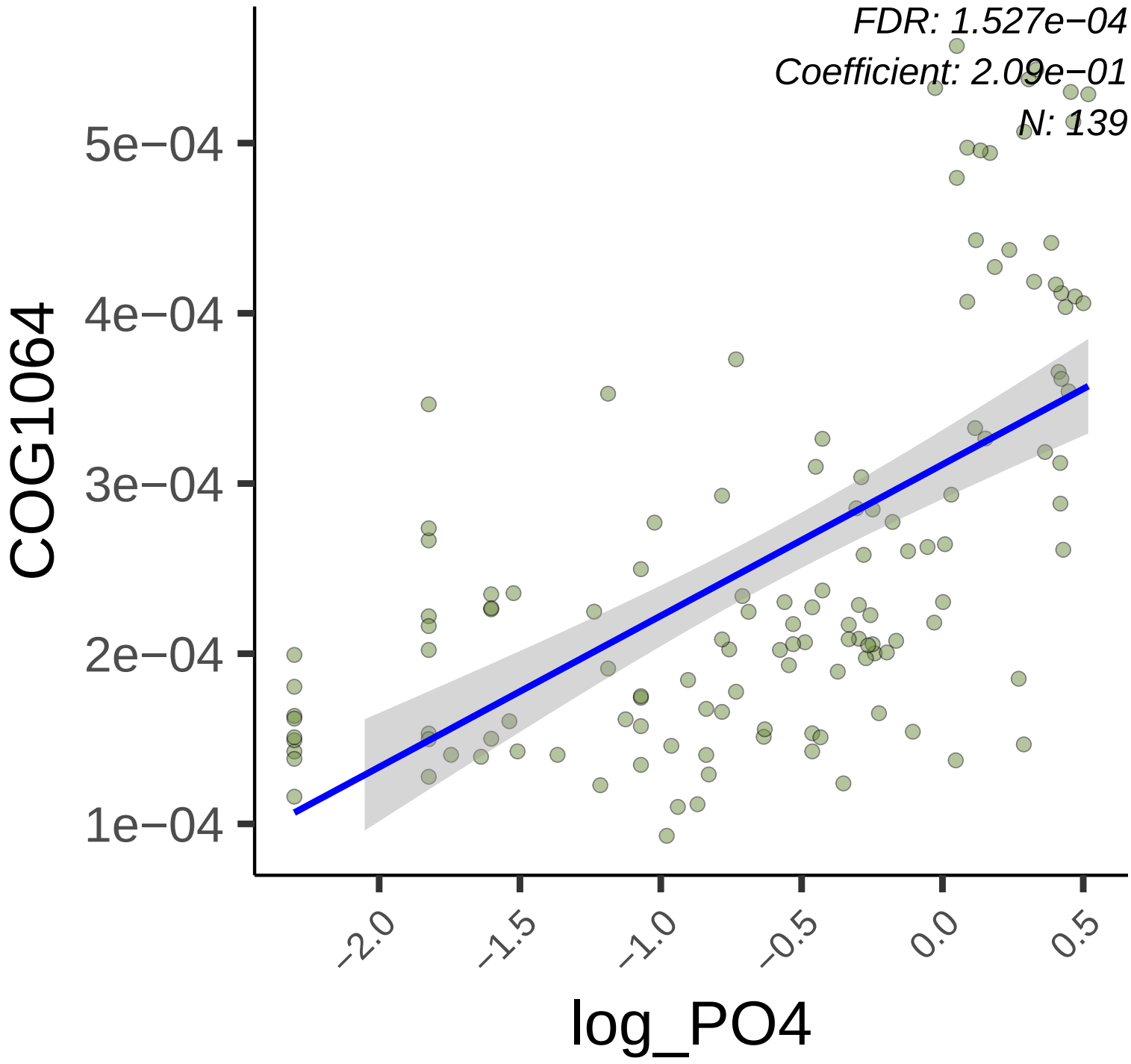
log_PO4


FDR: 1.527e−04
Coefficient: 2.09e−01
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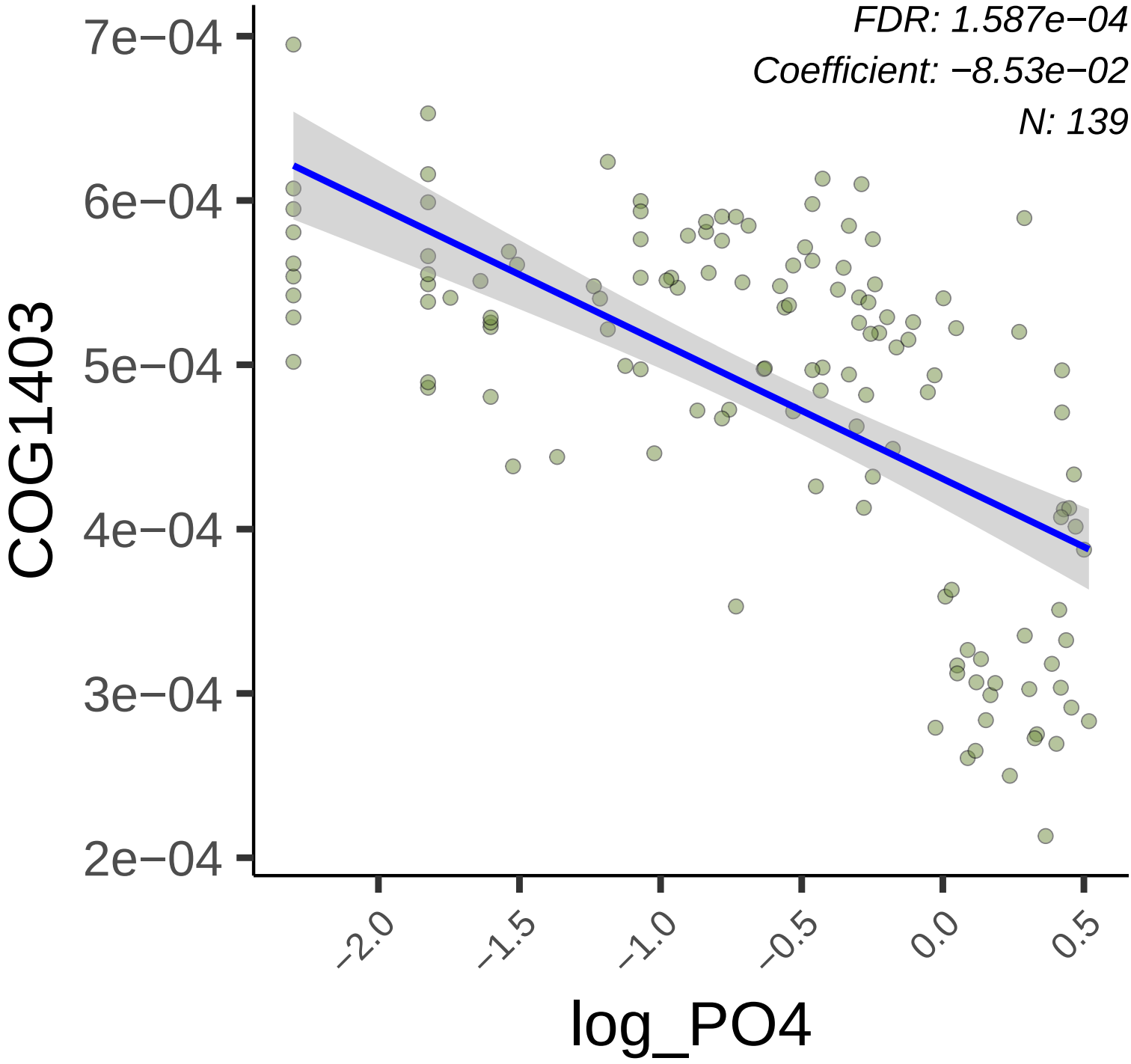
log_PO4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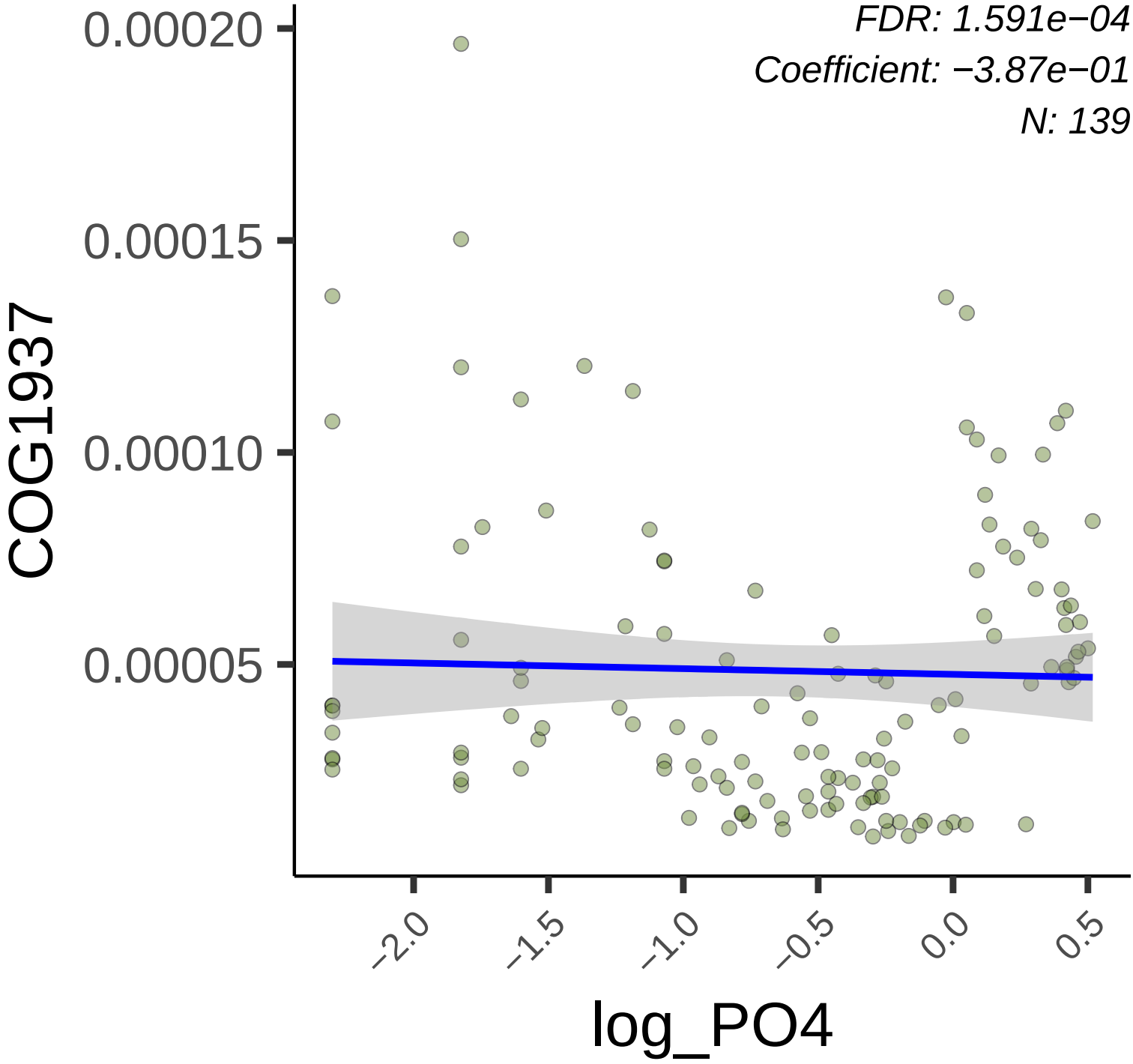
log_PO4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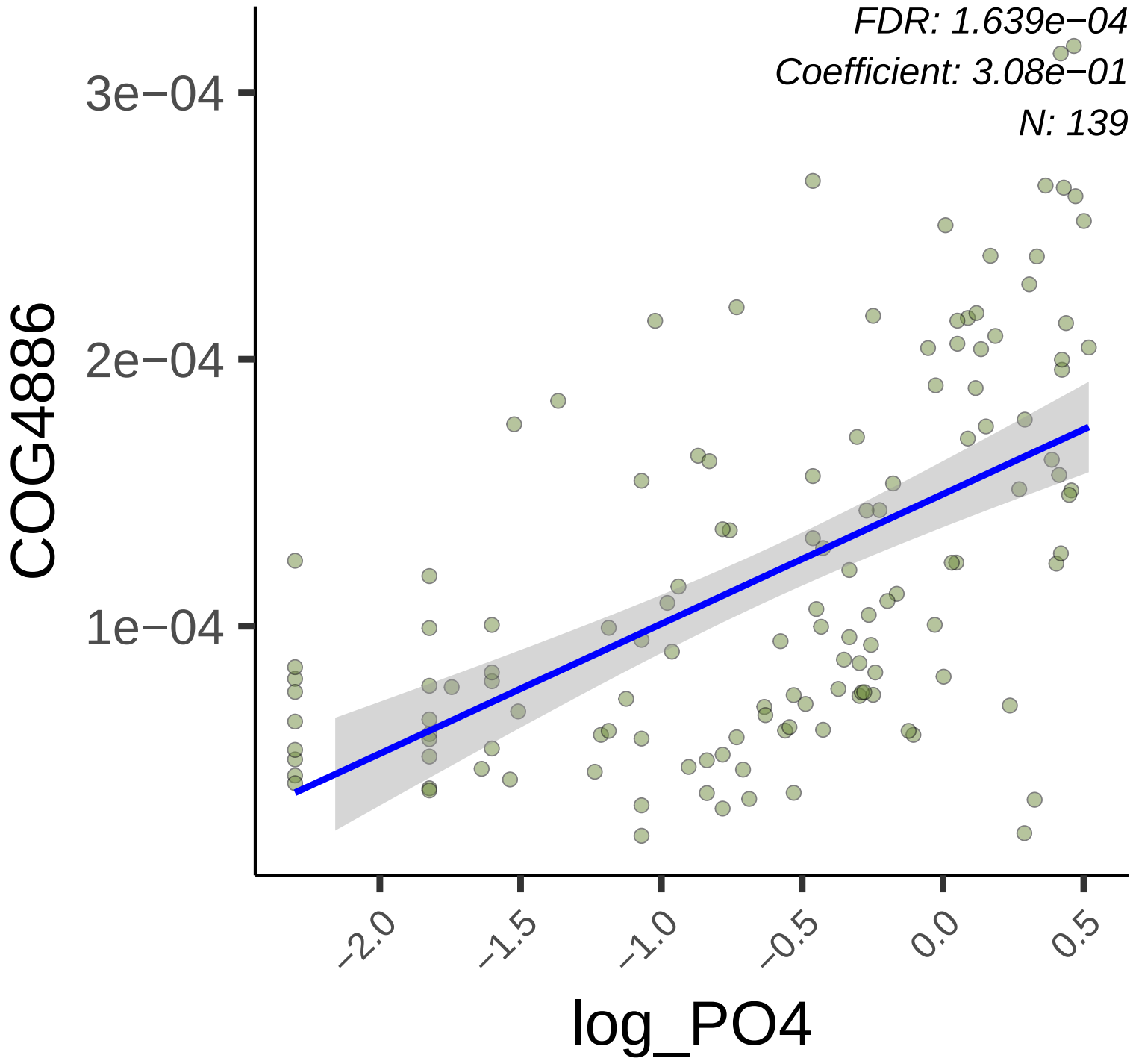
log_PO4


FDR: 1.639e−04
Coefficient: 3.08e−01
N: 139
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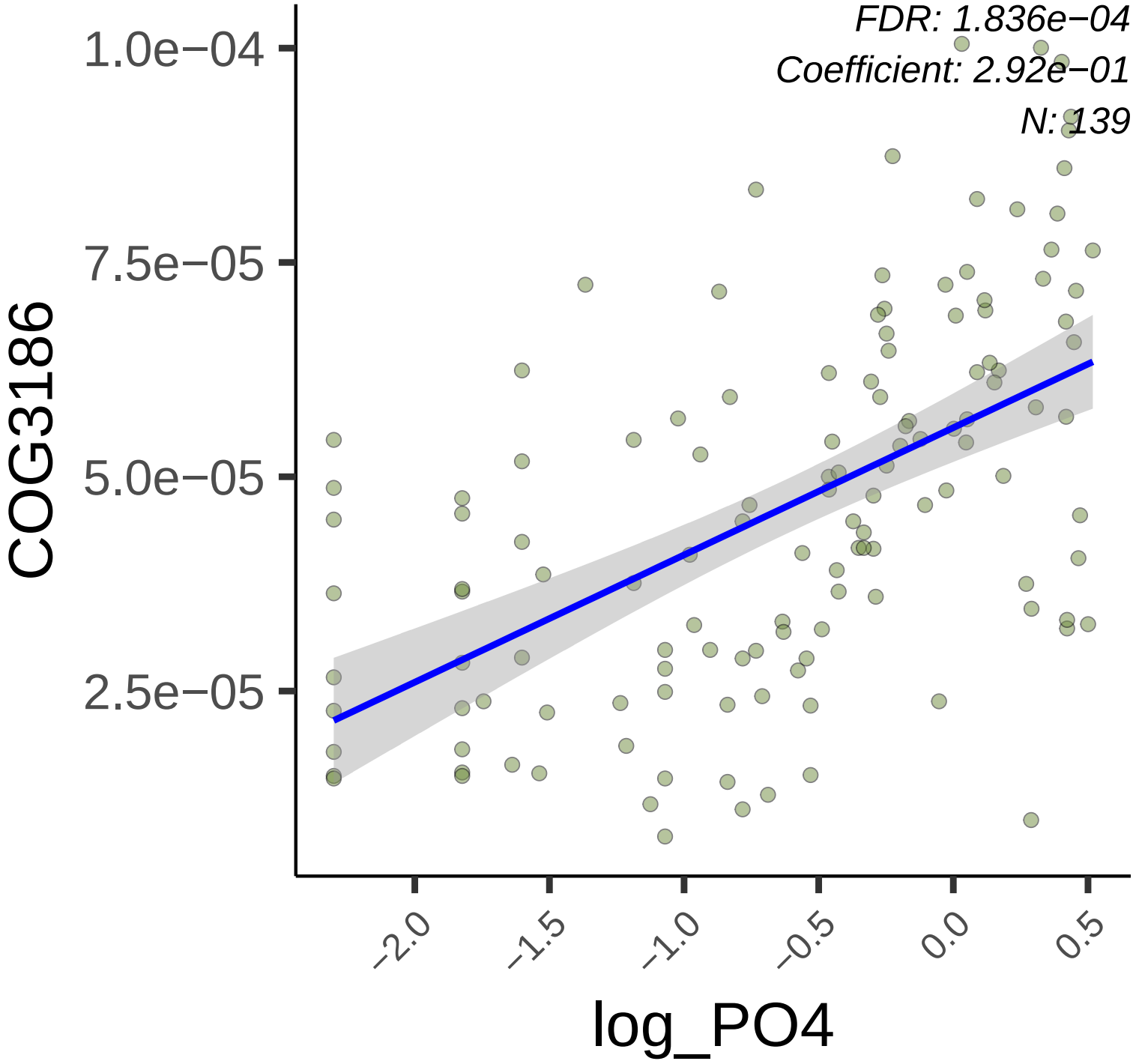
log_PO4


FDR: 1.836e−04
Coefficient: 2.92e−01
N: 139
1.0e−04
7.5e−05
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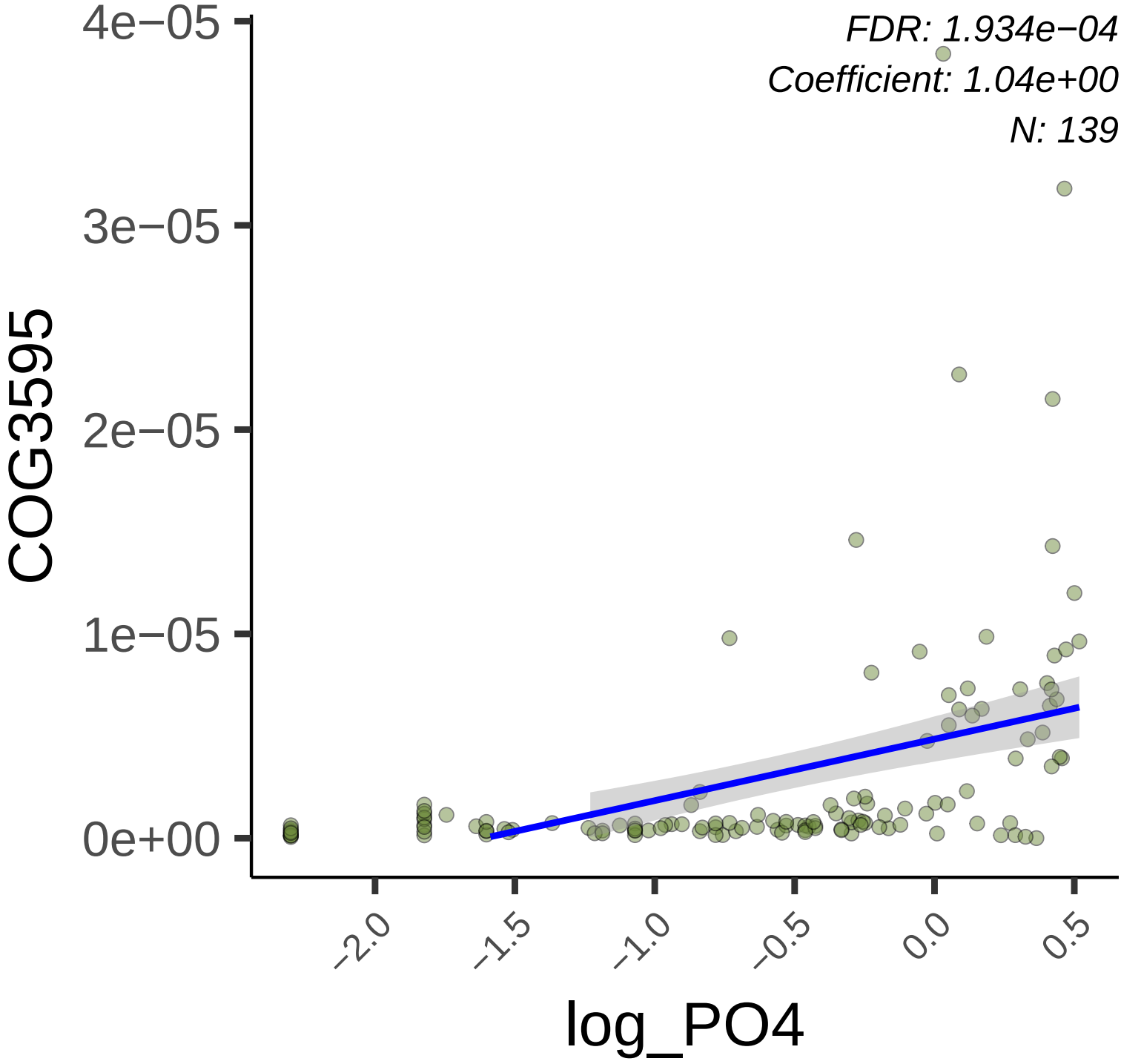
log_PO4


FDR: 1.934e−04
Coefficient: 1.04e+00
N: 139
COG3595
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3e−05
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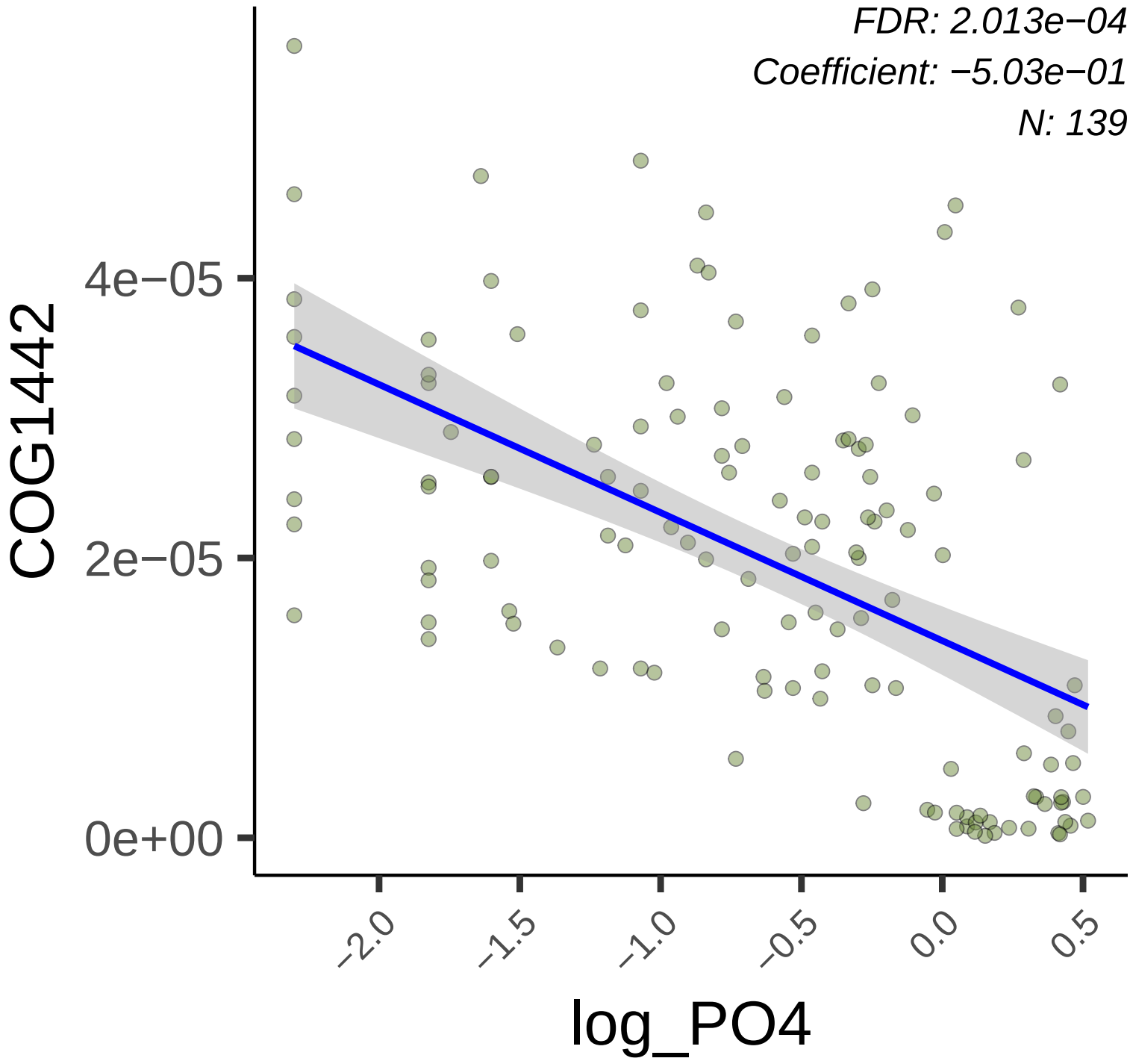
log_PO4


FDR: 2.013e−04
Coefficient: −5.03e−01
N: 139
COG1442
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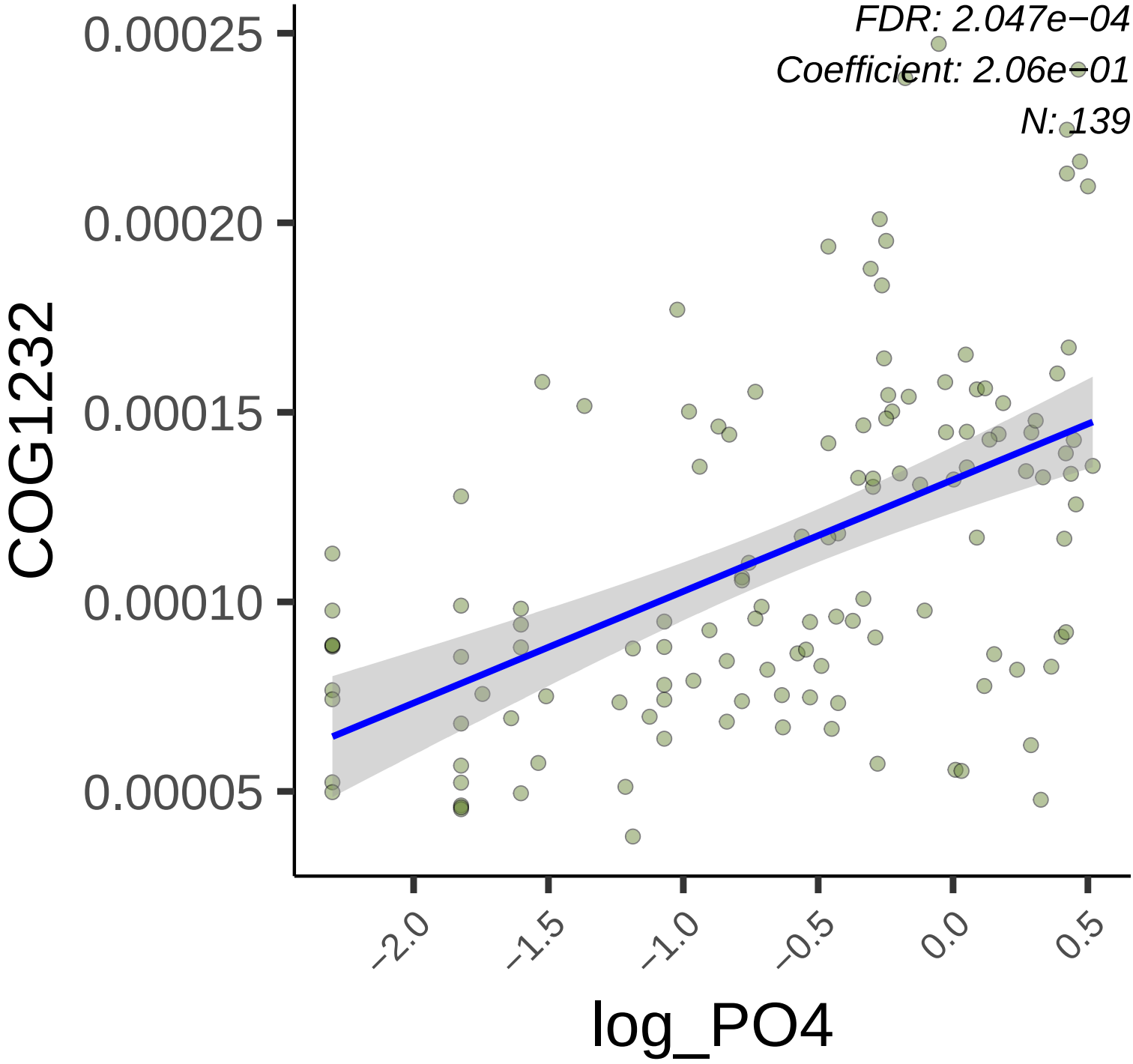
log_PO4


FDR: 2.047e−04
Coefficient: 2.06e−01
N: 139
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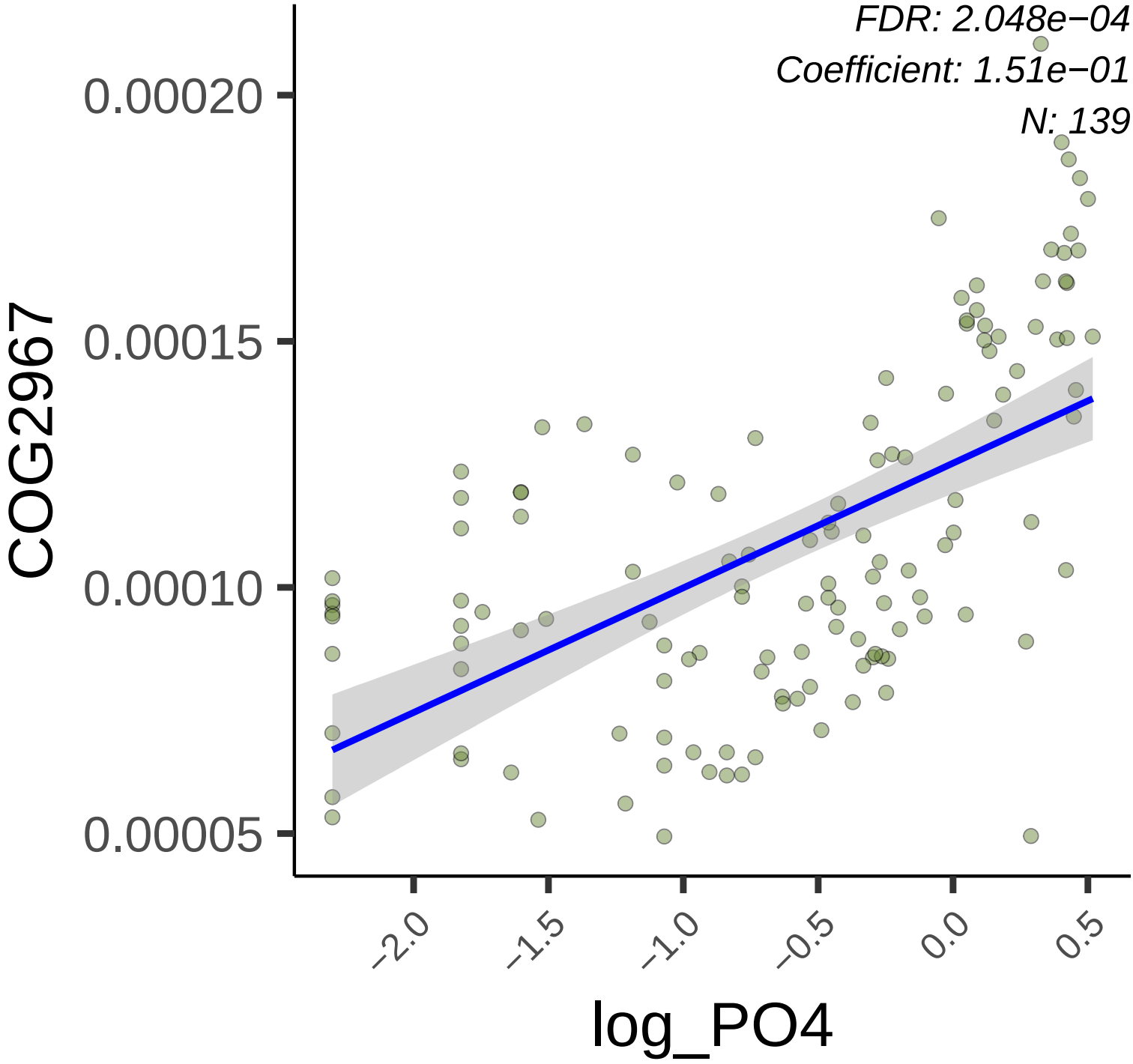
log_PO4


FDR: 2.048e−04
Coefficient: 1.51e−01
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COG2967
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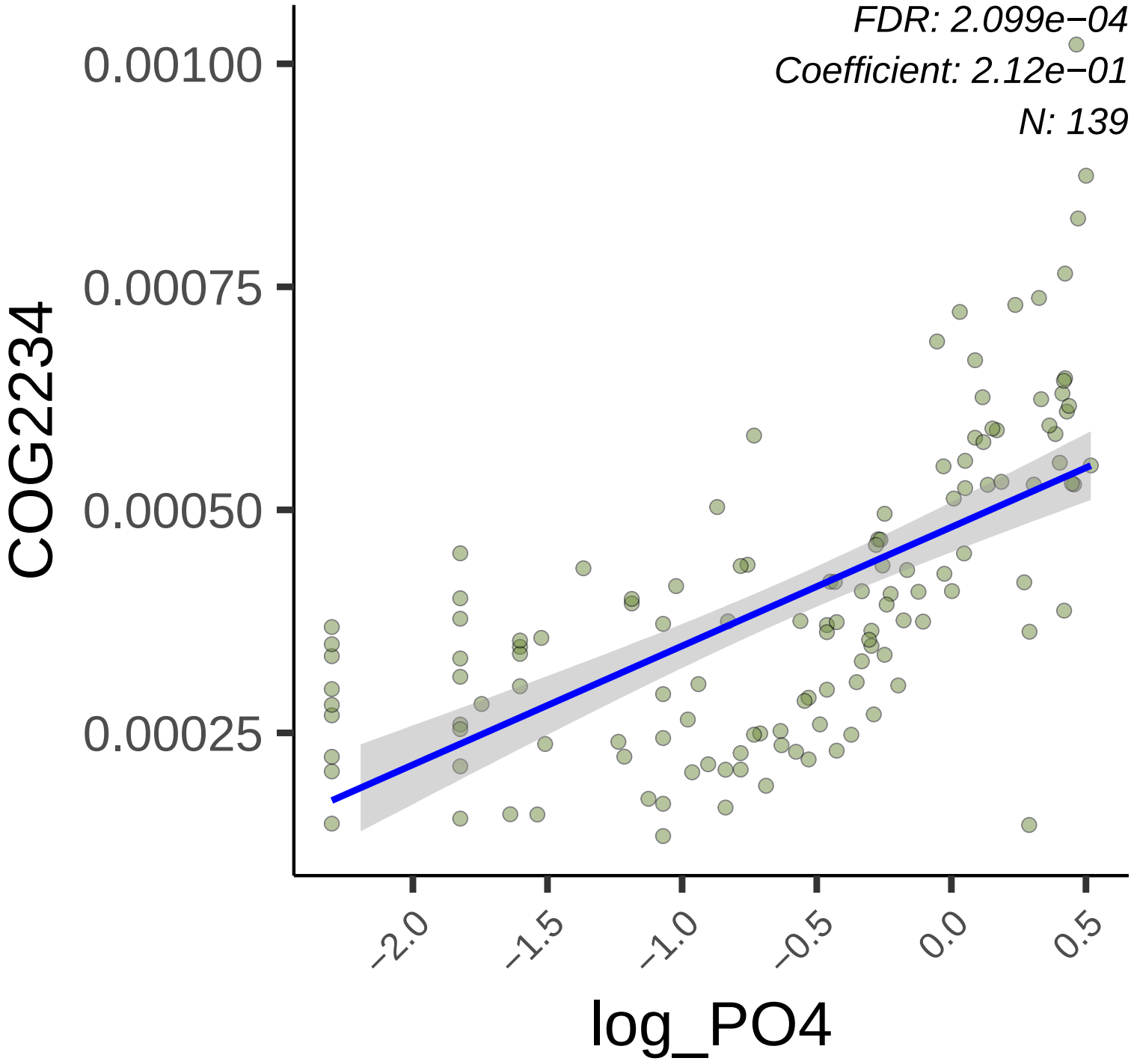
log_PO4


FDR: 2.099e−04
Coefficient: 2.12e−01
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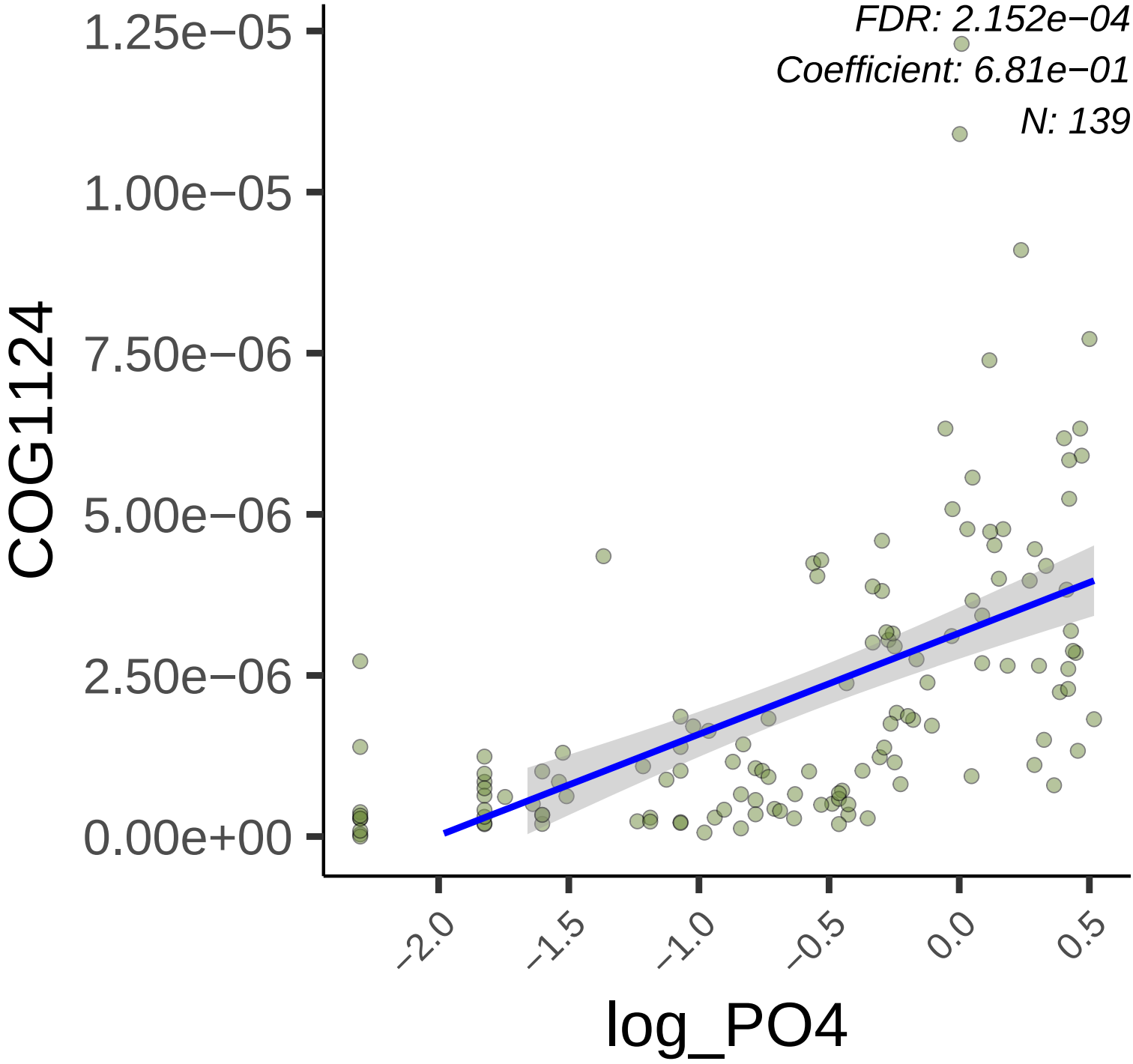
log_PO4


FDR: 2.152e−04
Coefficient: 6.81e−01
N: 139
COG1124
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5.00e−06
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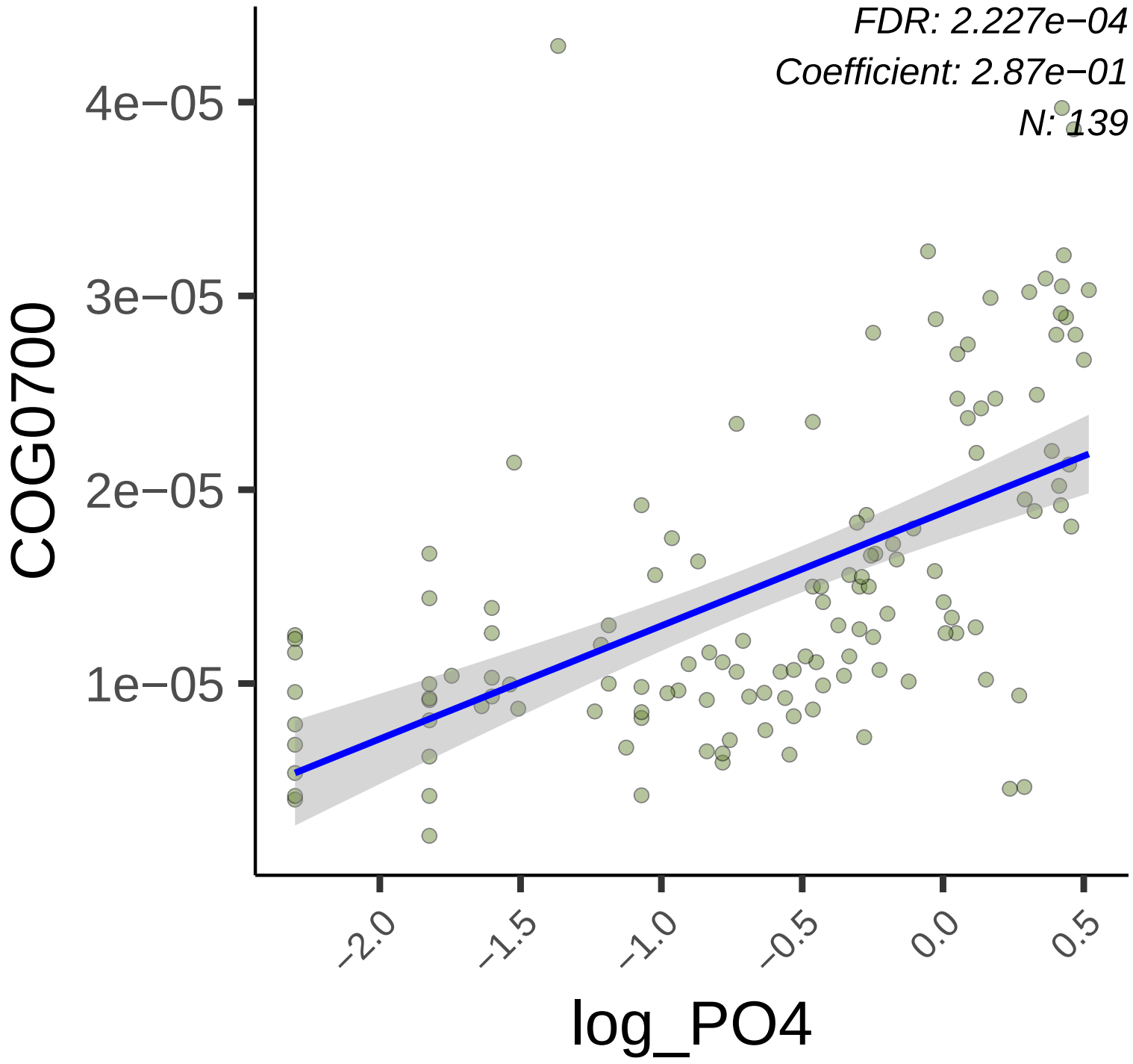
log_PO4


FDR: 2.227e−04
Coefficient: 2.87e−01
N: 139
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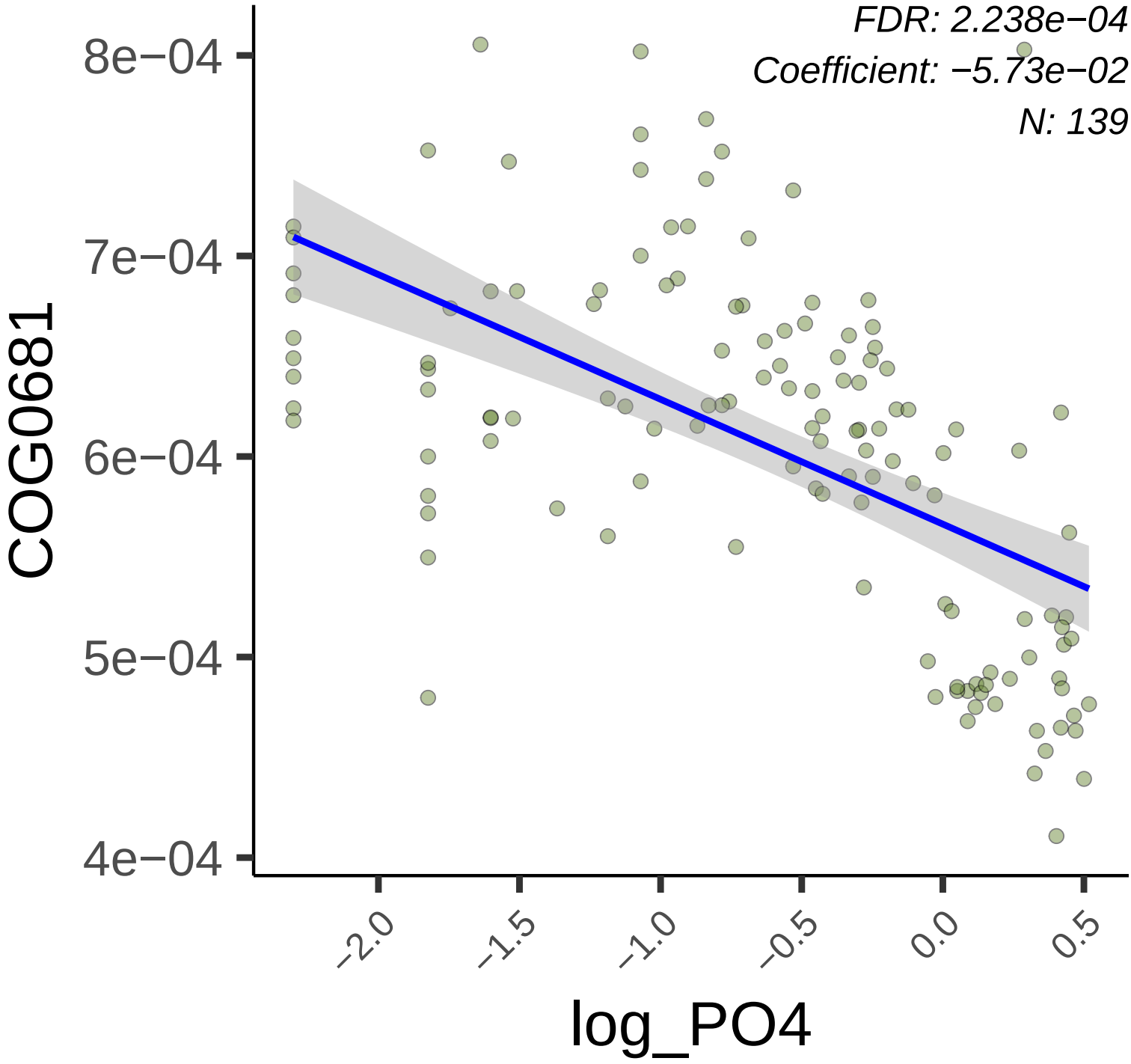
log_PO4


FDR: 2.238e−04
Coefficient: −5.73e−02
N: 139
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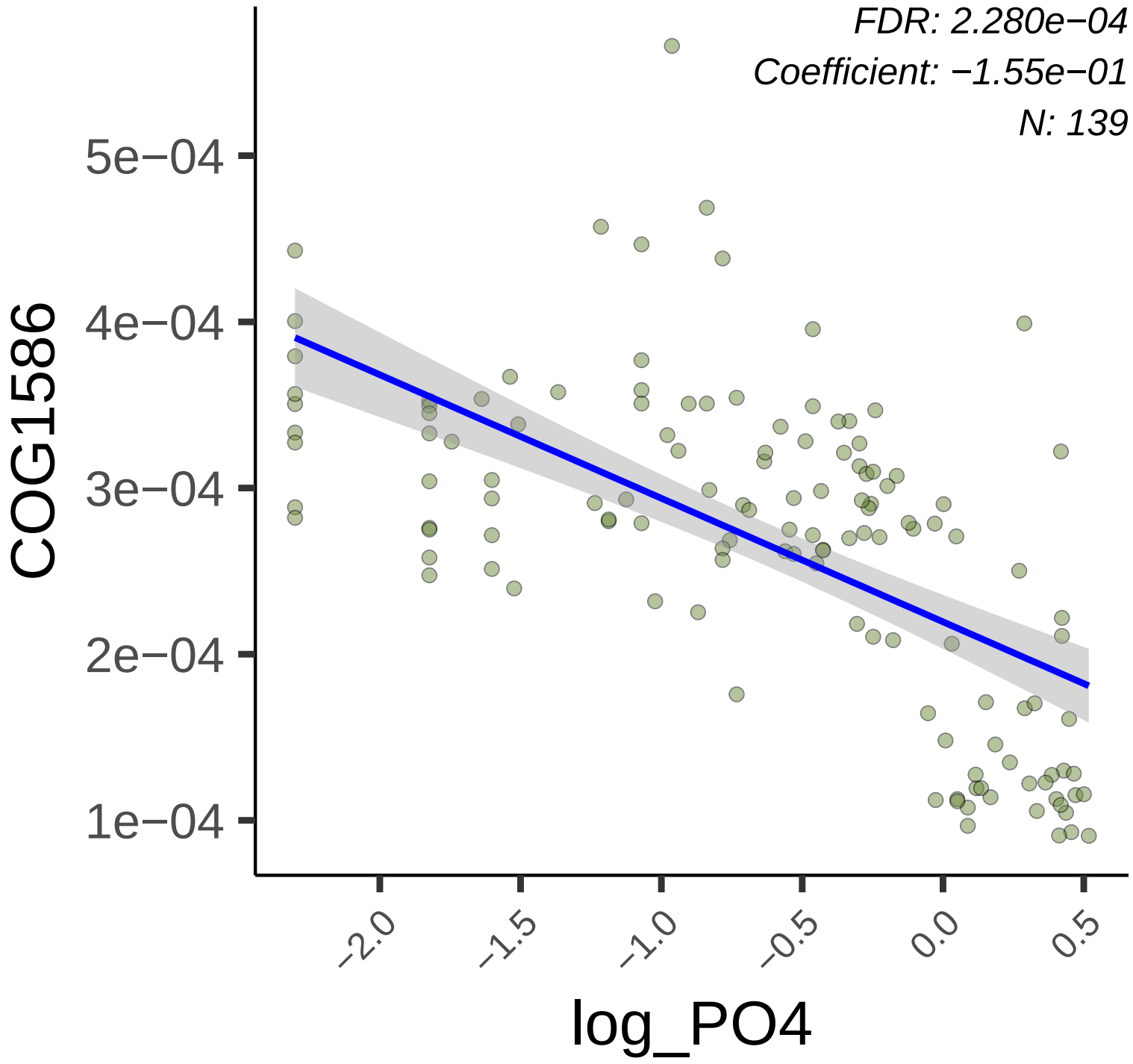
log_PO4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Coefficient: −1.55e−01
N: 139
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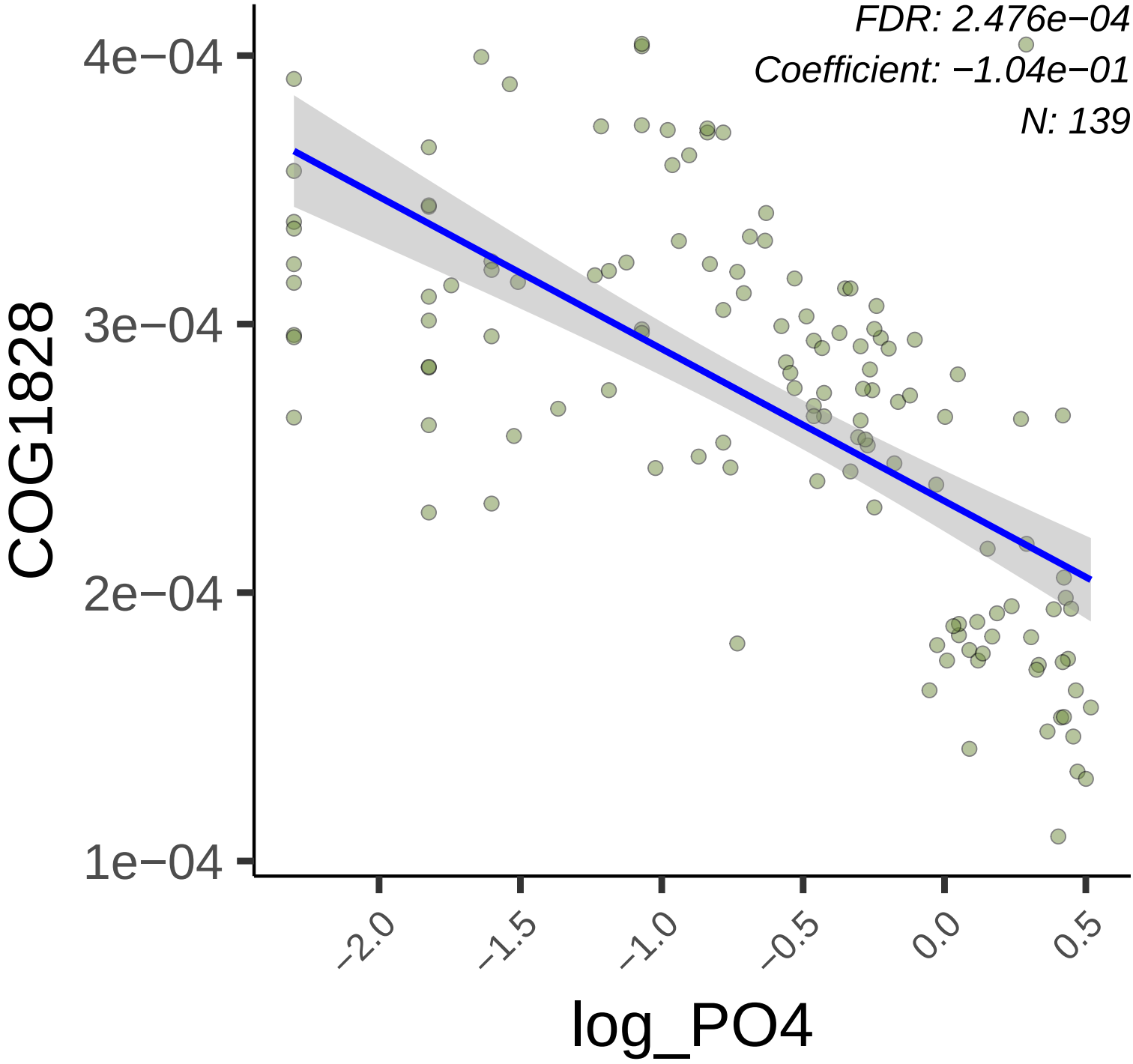
log_PO4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Coefficient: −1.04e−01
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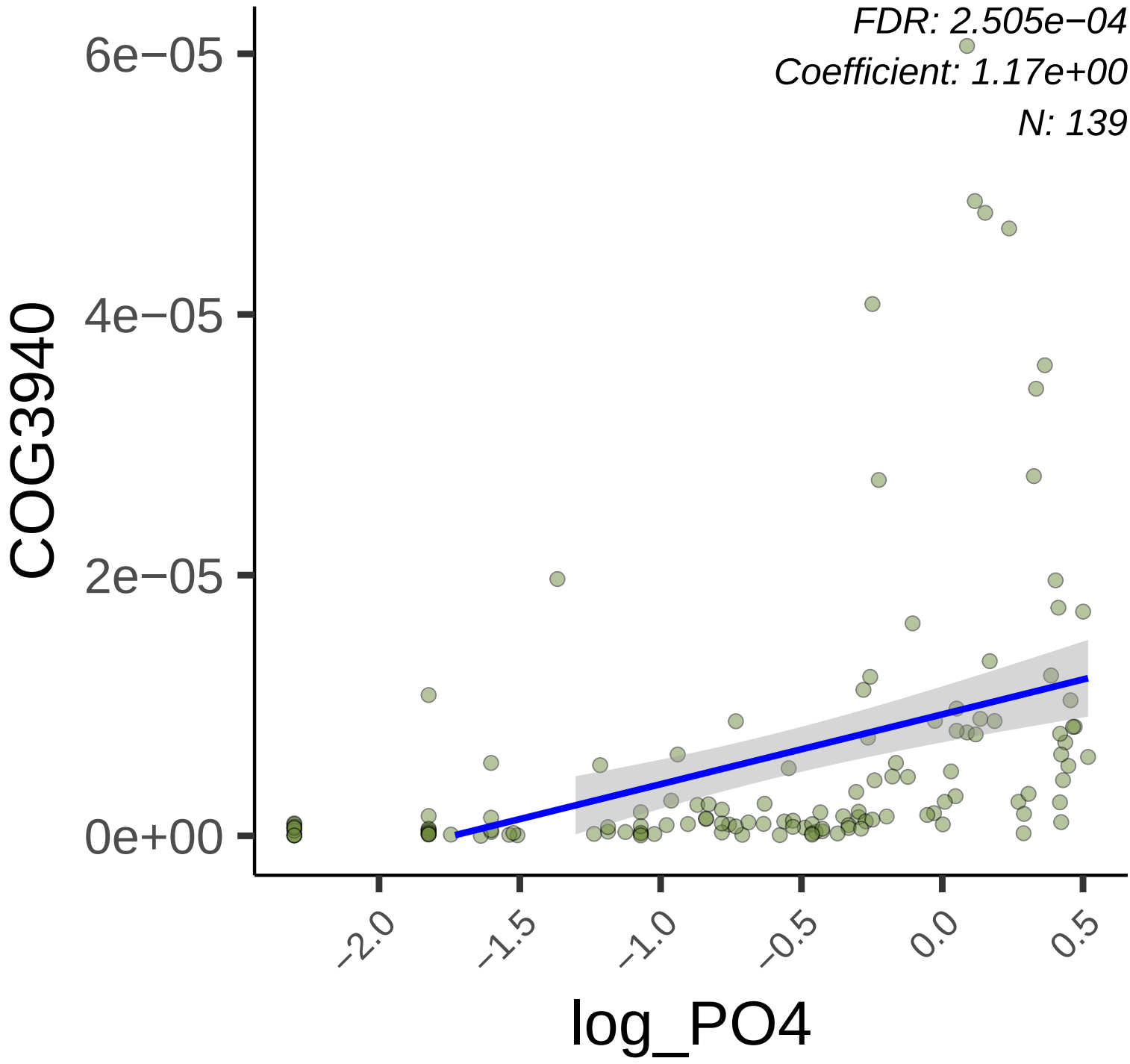
log_PO4


FDR: 2.505e−04
Coefficient: 1.17e+00
N: 139
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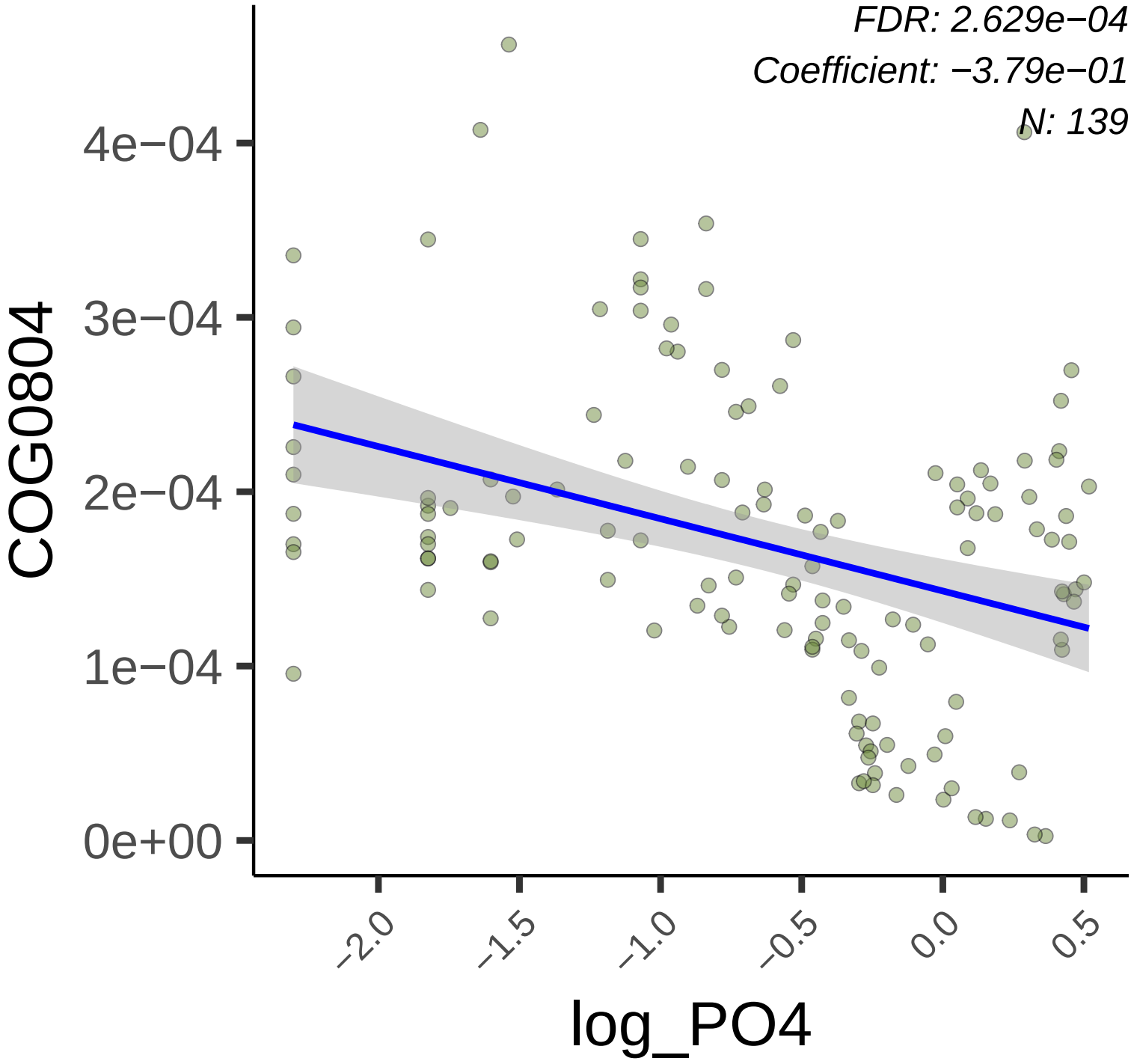
FDR: 2.629e−04
Coefficient: −3.79e−01
N: 139
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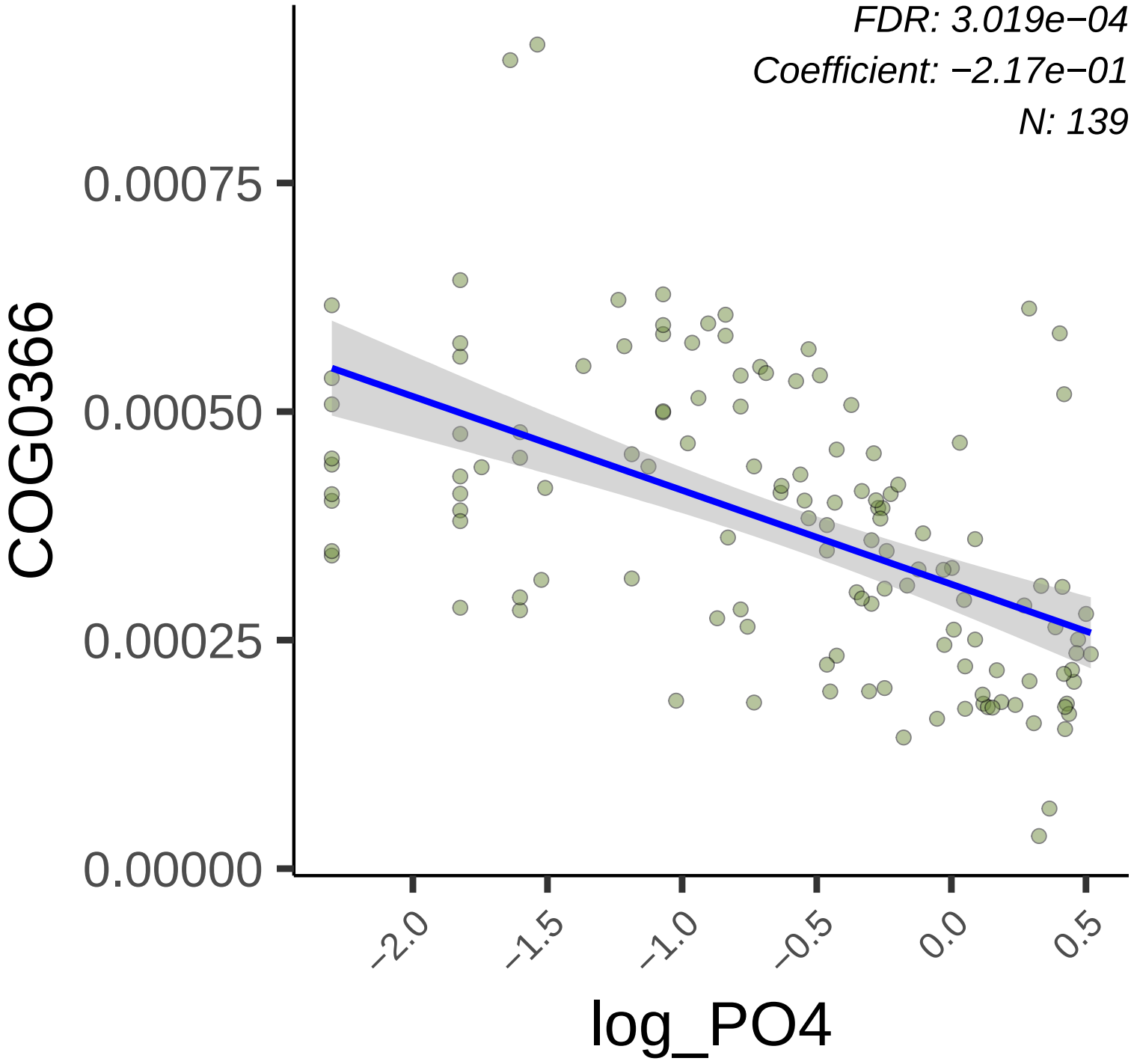
log_PO4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Coefficient: −2.17e−01
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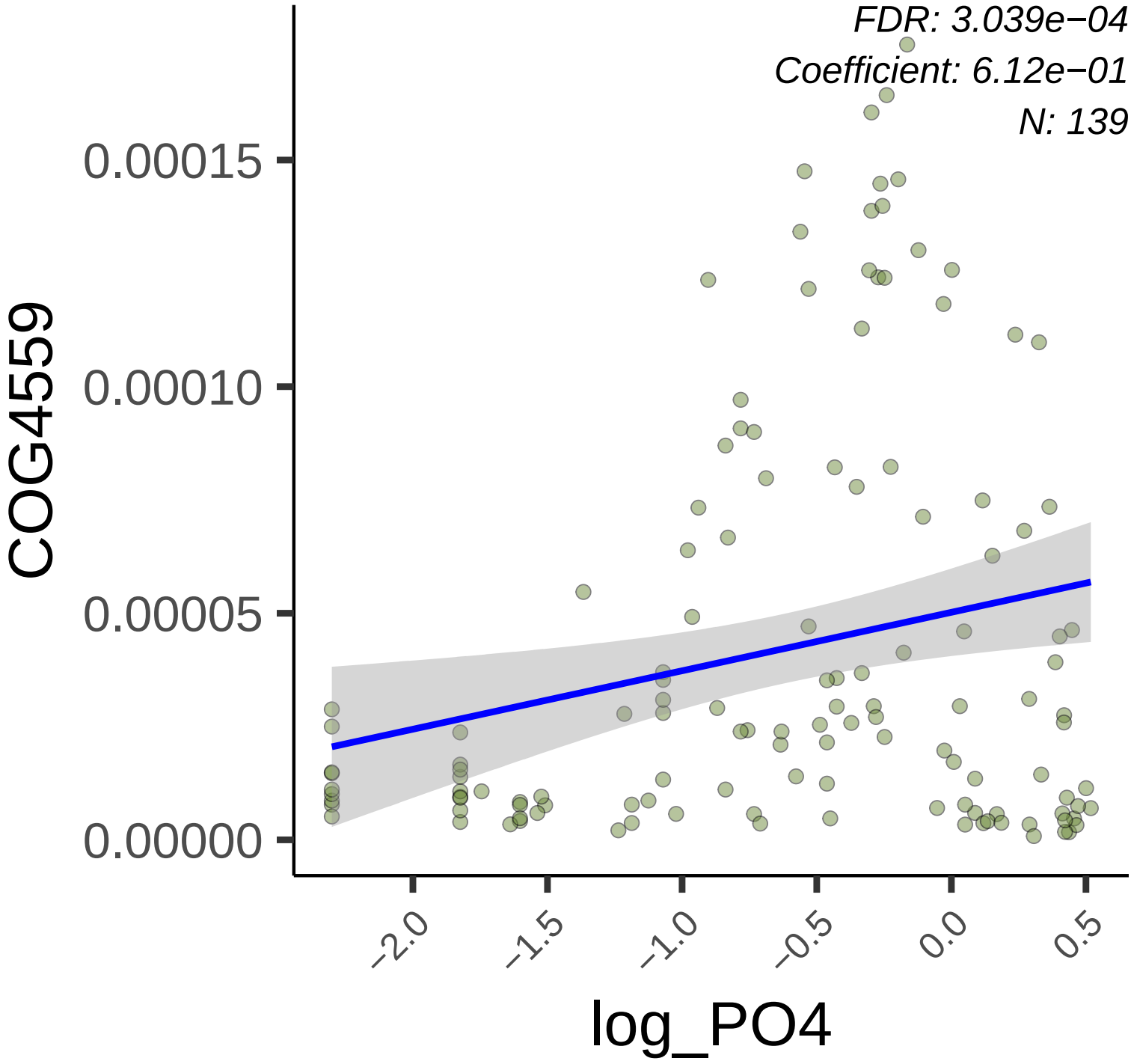
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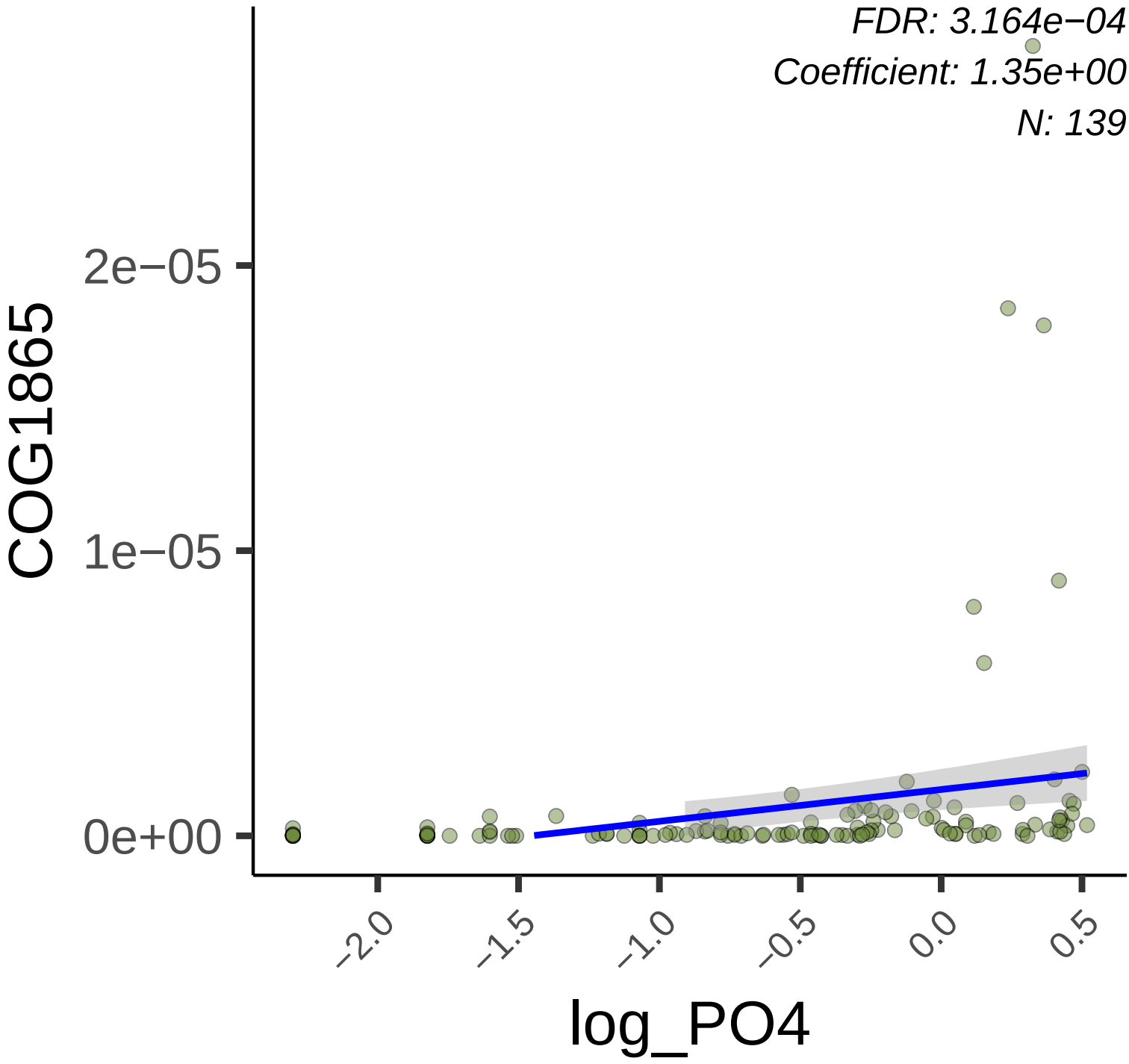
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Coefficient: 1.35e+00
N: 139
COG1865
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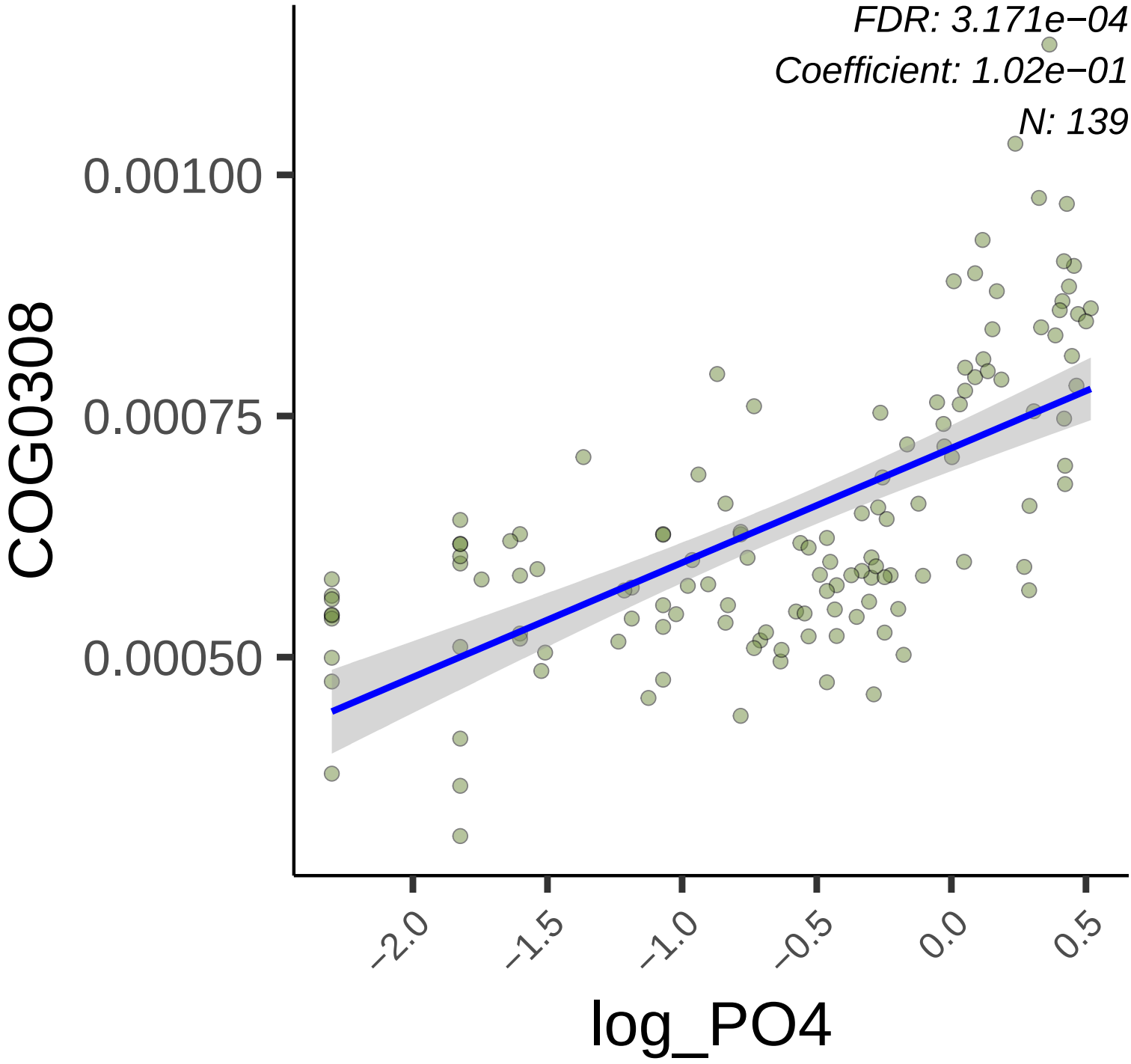
log_PO4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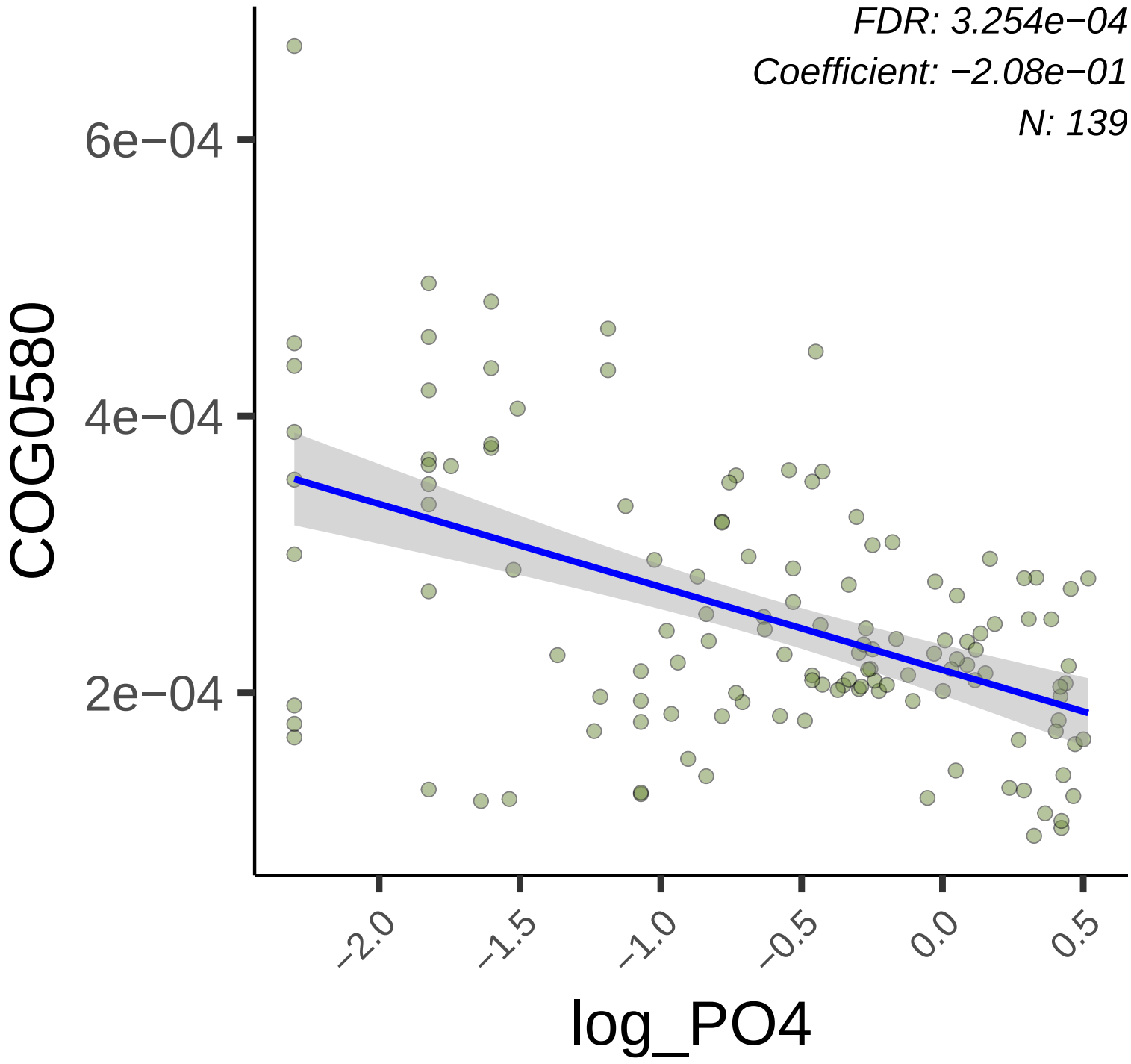
log_PO4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Coefficient: −2.08e−01
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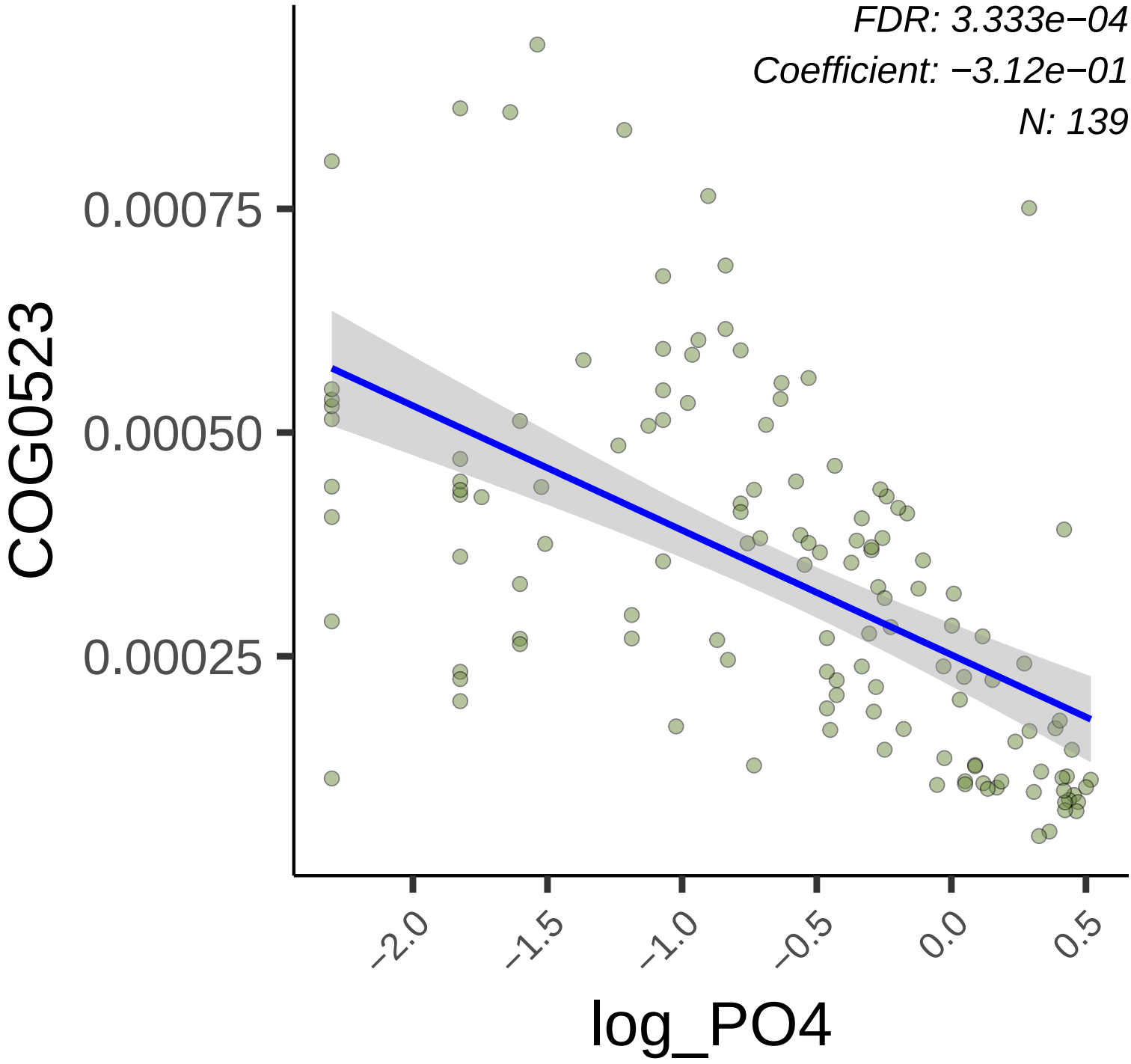
log_PO4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Coefficient: −3.12e−01
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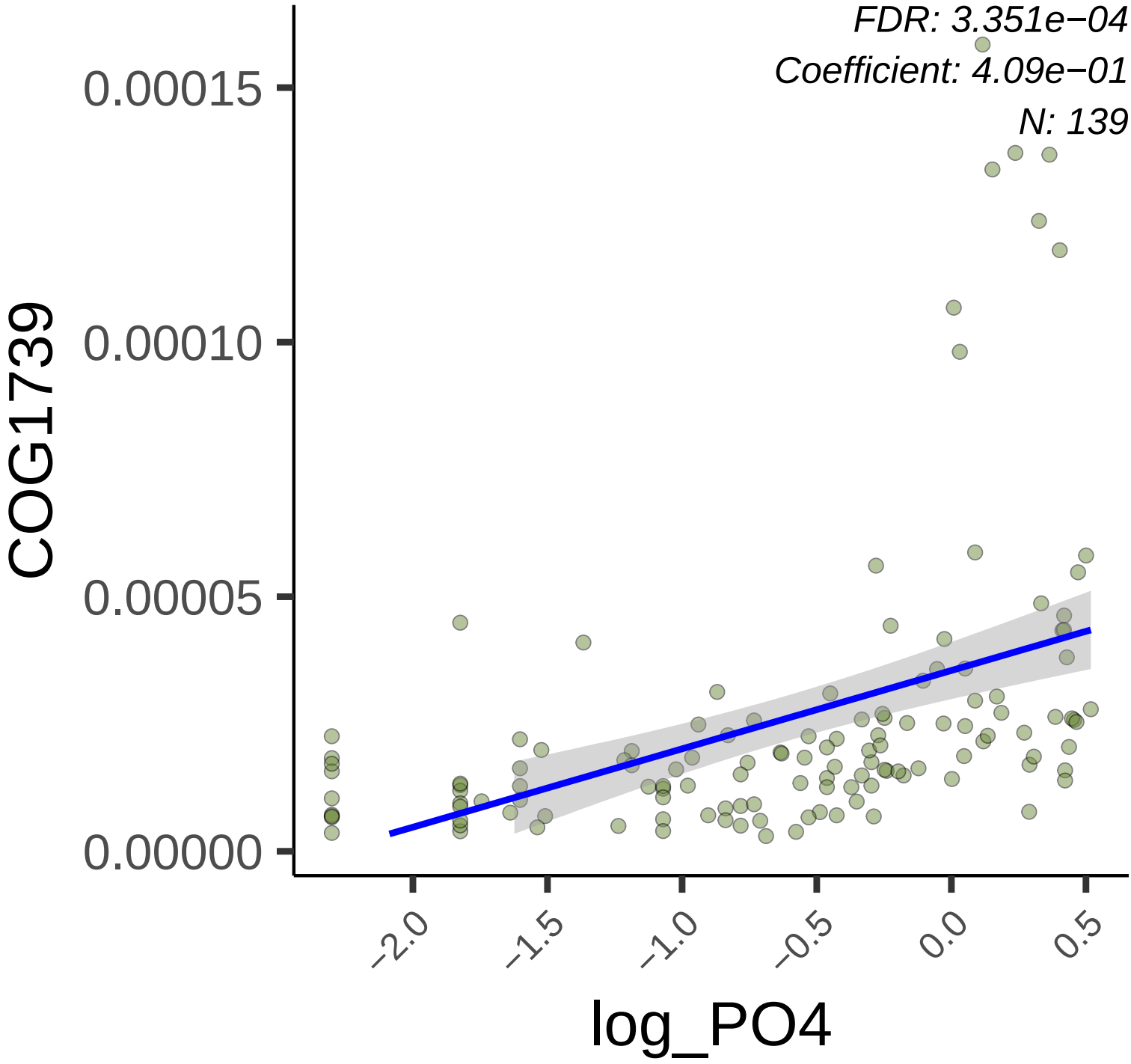
log_PO4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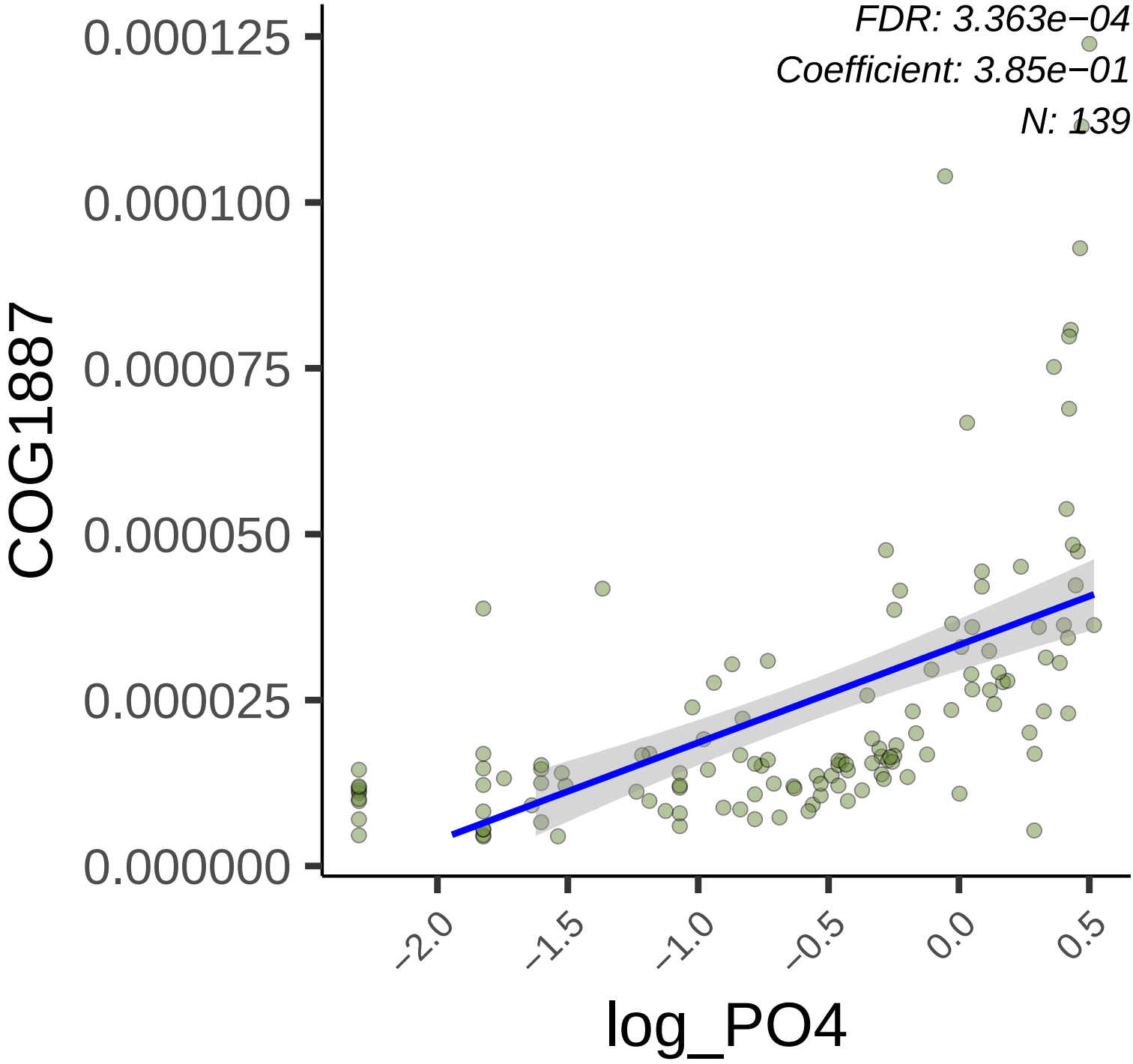
log_PO4


FDR: 3.363e−04
Coefficient: 3.85e−01
N: 139
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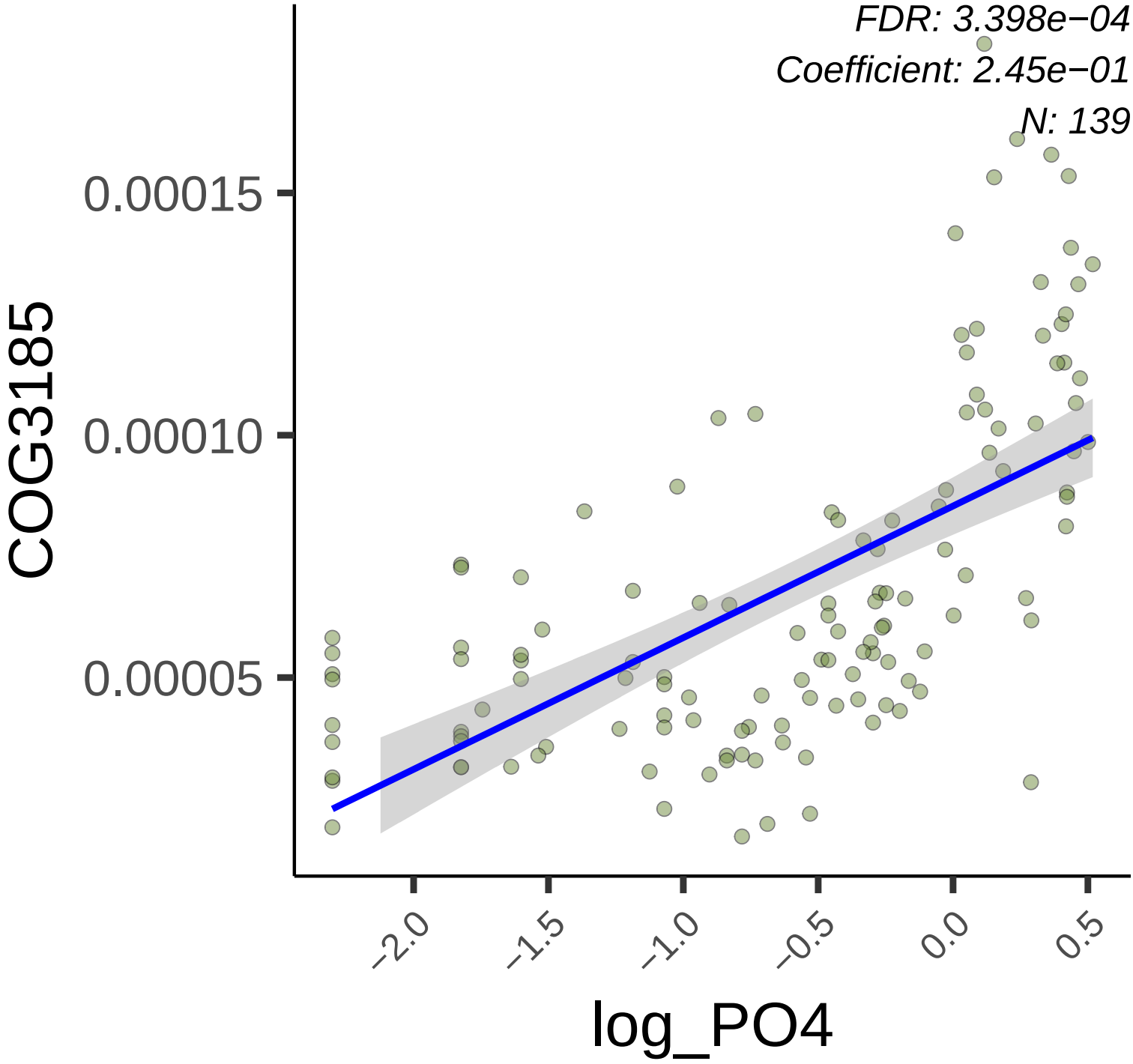
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Coefficient: 2.45e−01
N: 139
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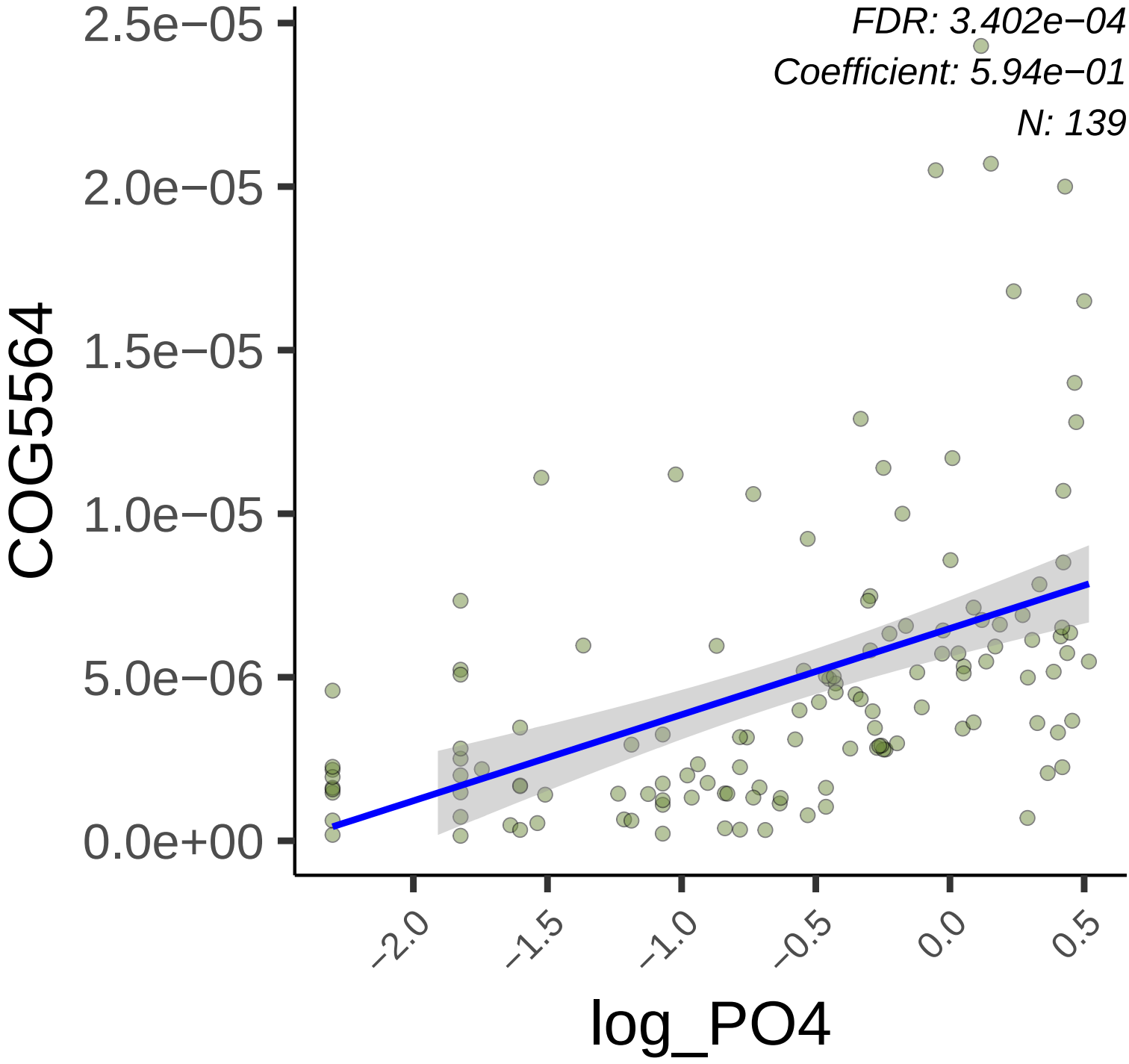
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Coefficient: 5.94e−01
N: 139
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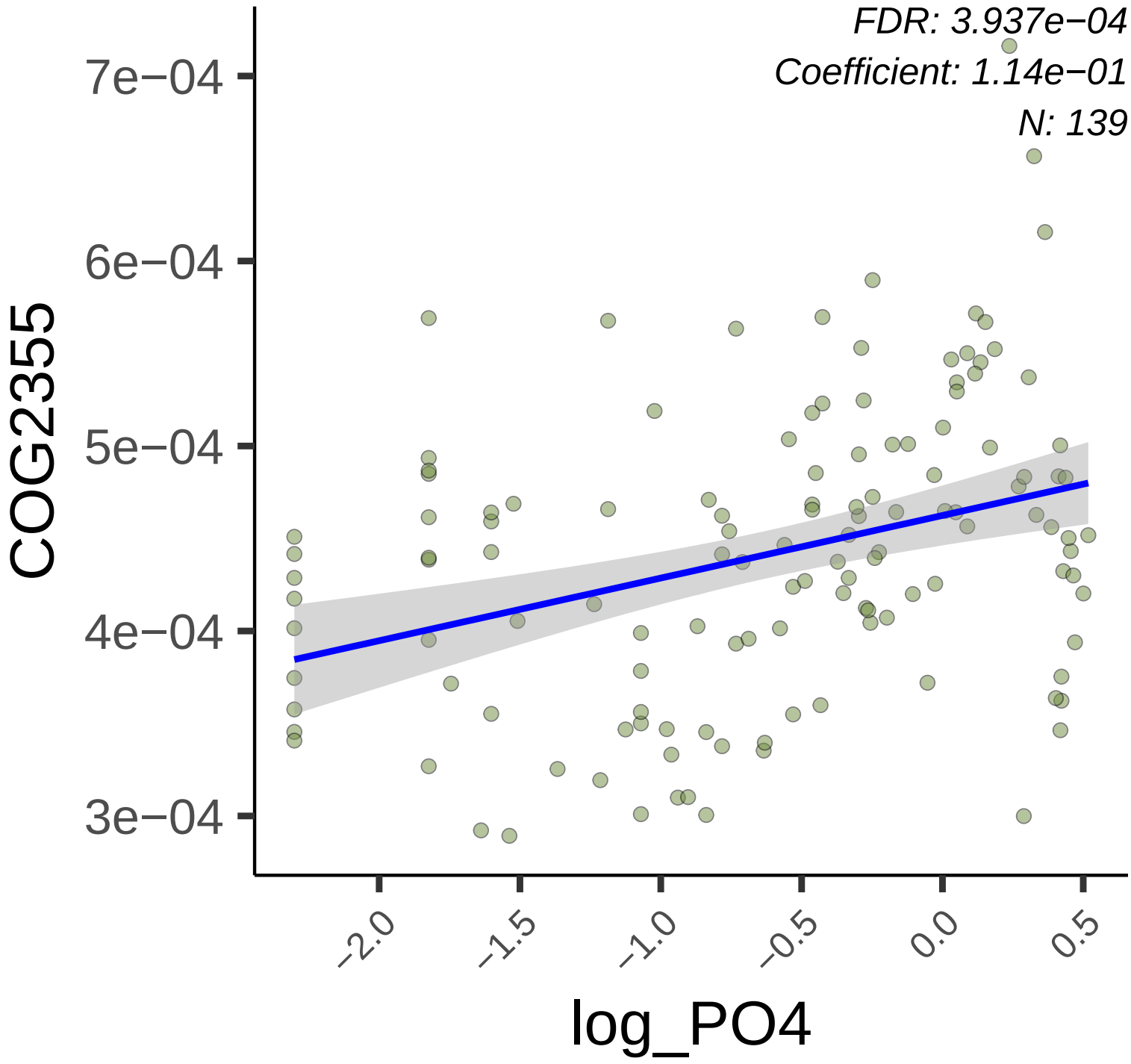
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Coefficient: 1.14e−01
N: 139
7e−04
6e−04
5e−04
4e−04
3e−04
COG2355
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−1.0
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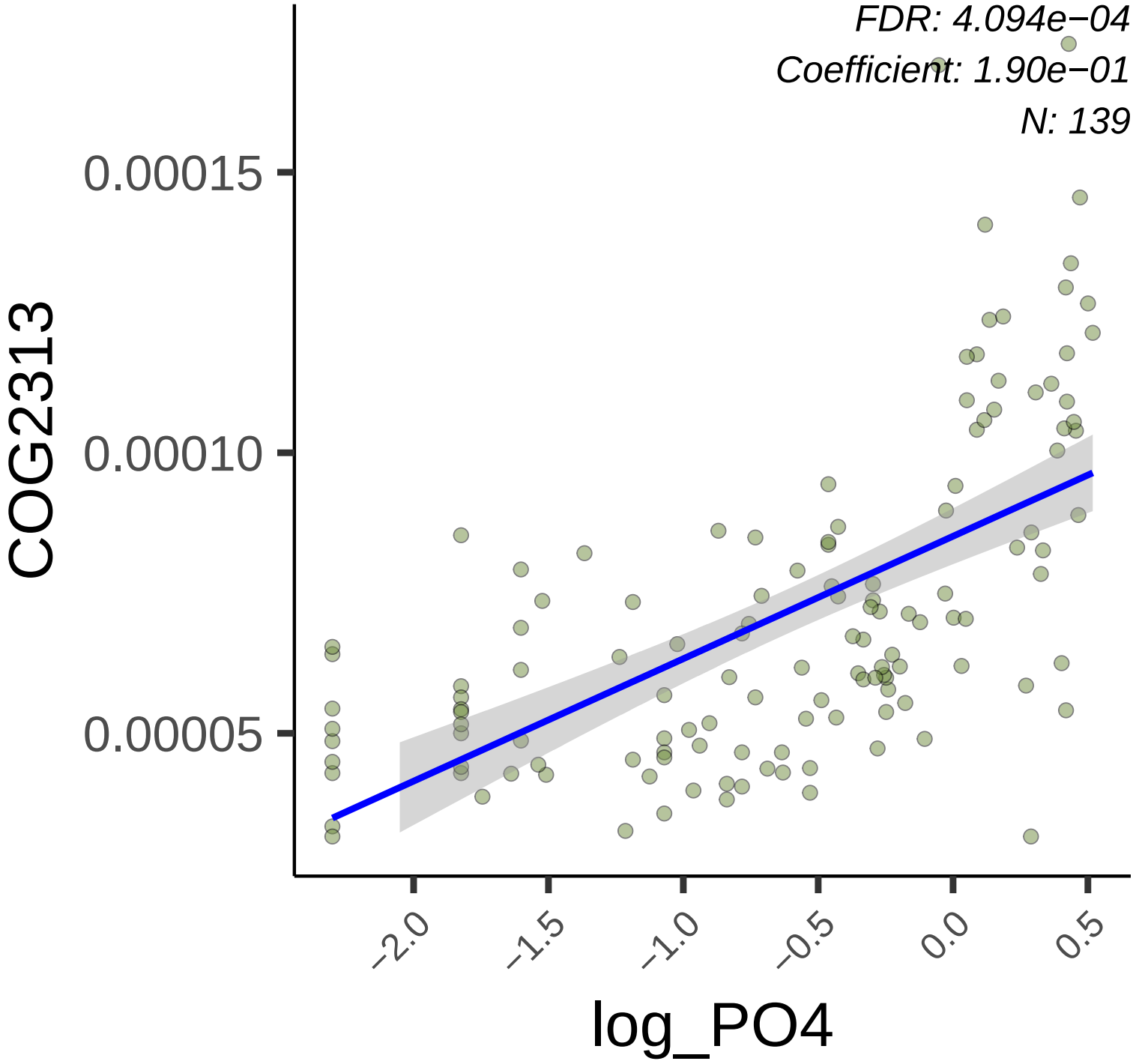
0.5
log_PO4


FDR: 4.094e−04
Coefficient: 1.90e−01
N: 139
COG2313
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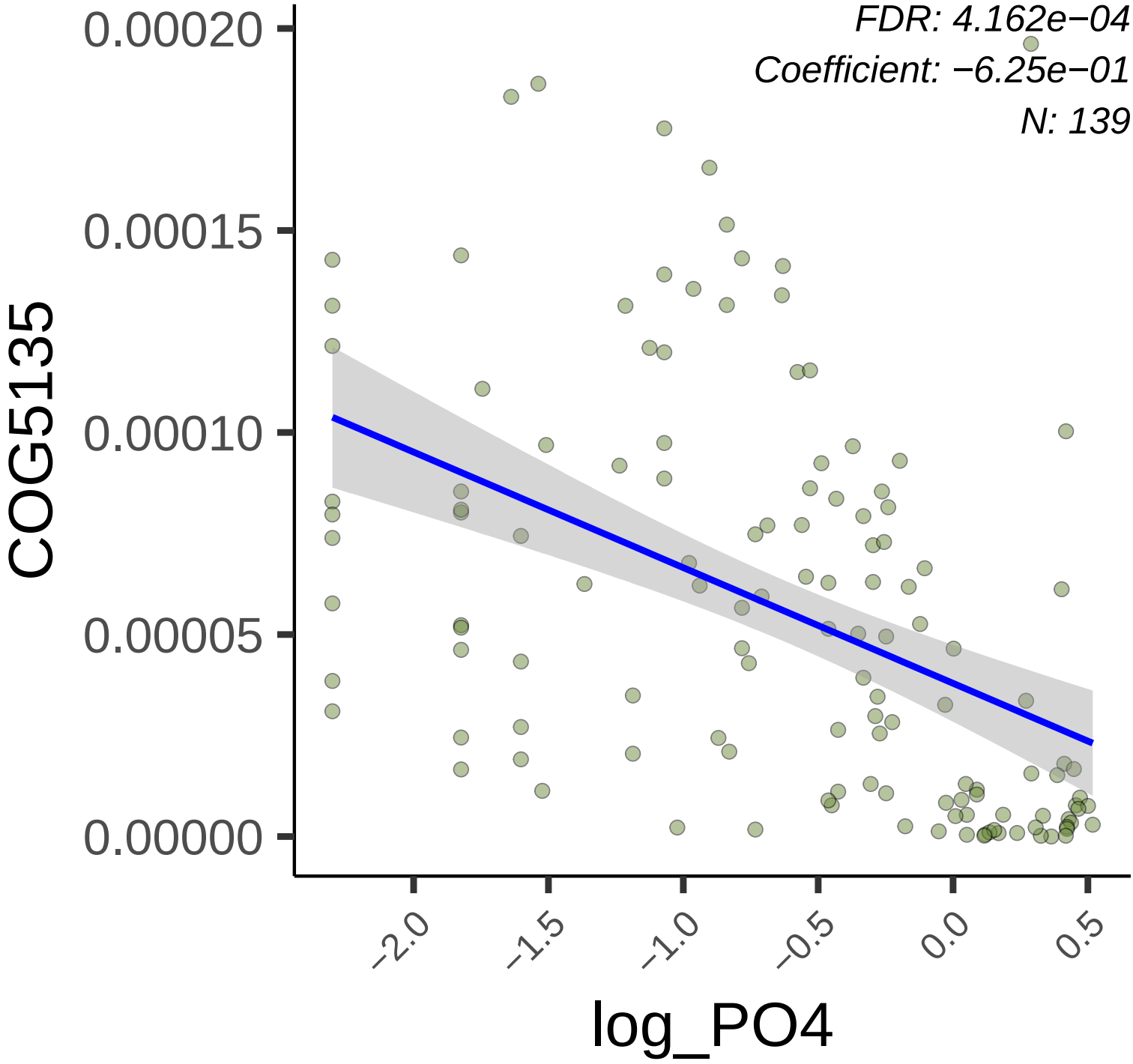
log_PO4


FDR: 4.162e−04
Coefficient: −6.25e−01
N: 139
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COG5135
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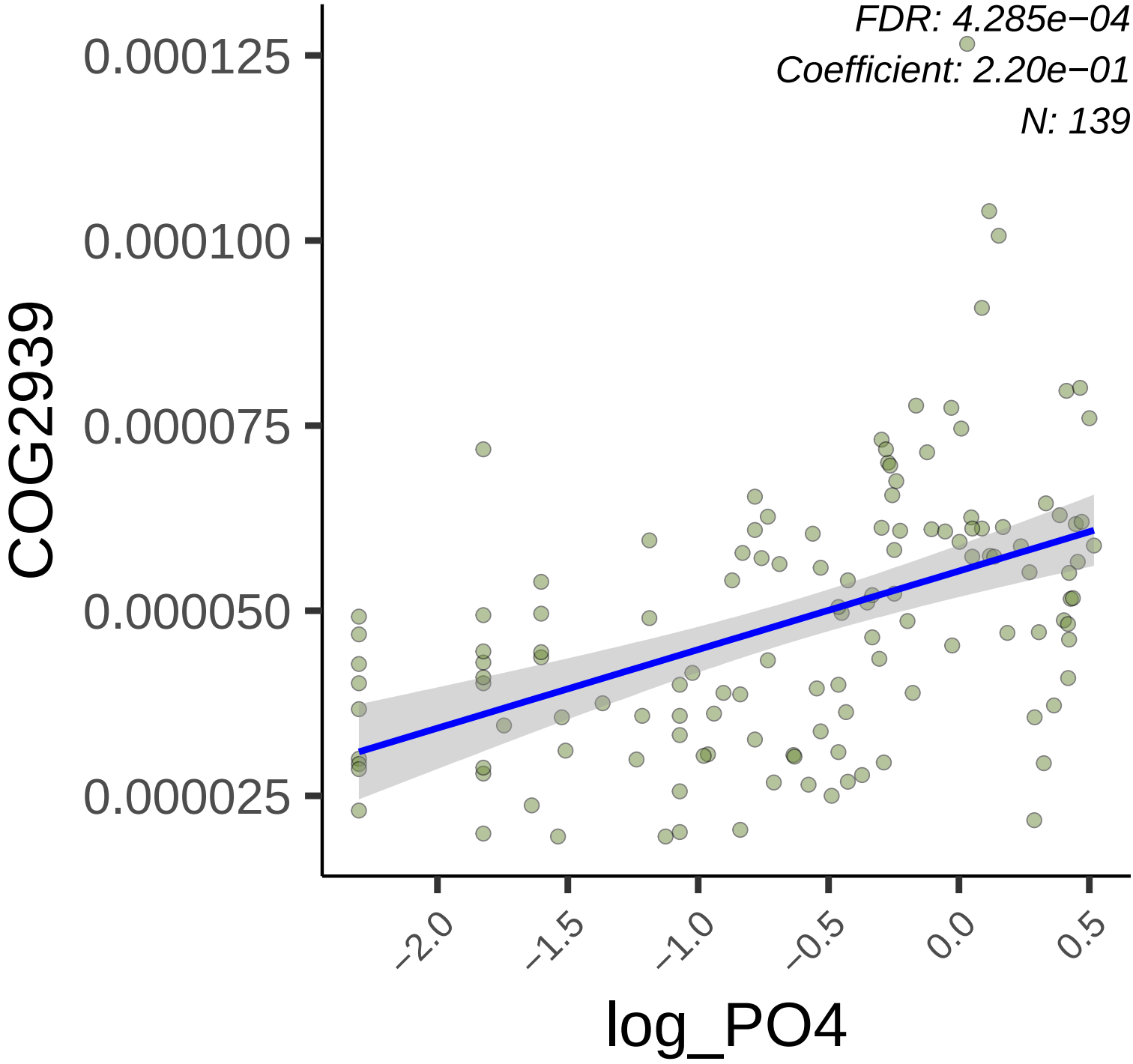
0.5
log_PO4


FDR: 4.285e−04
Coefficient: 2.20e−01
N: 139
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0.000075
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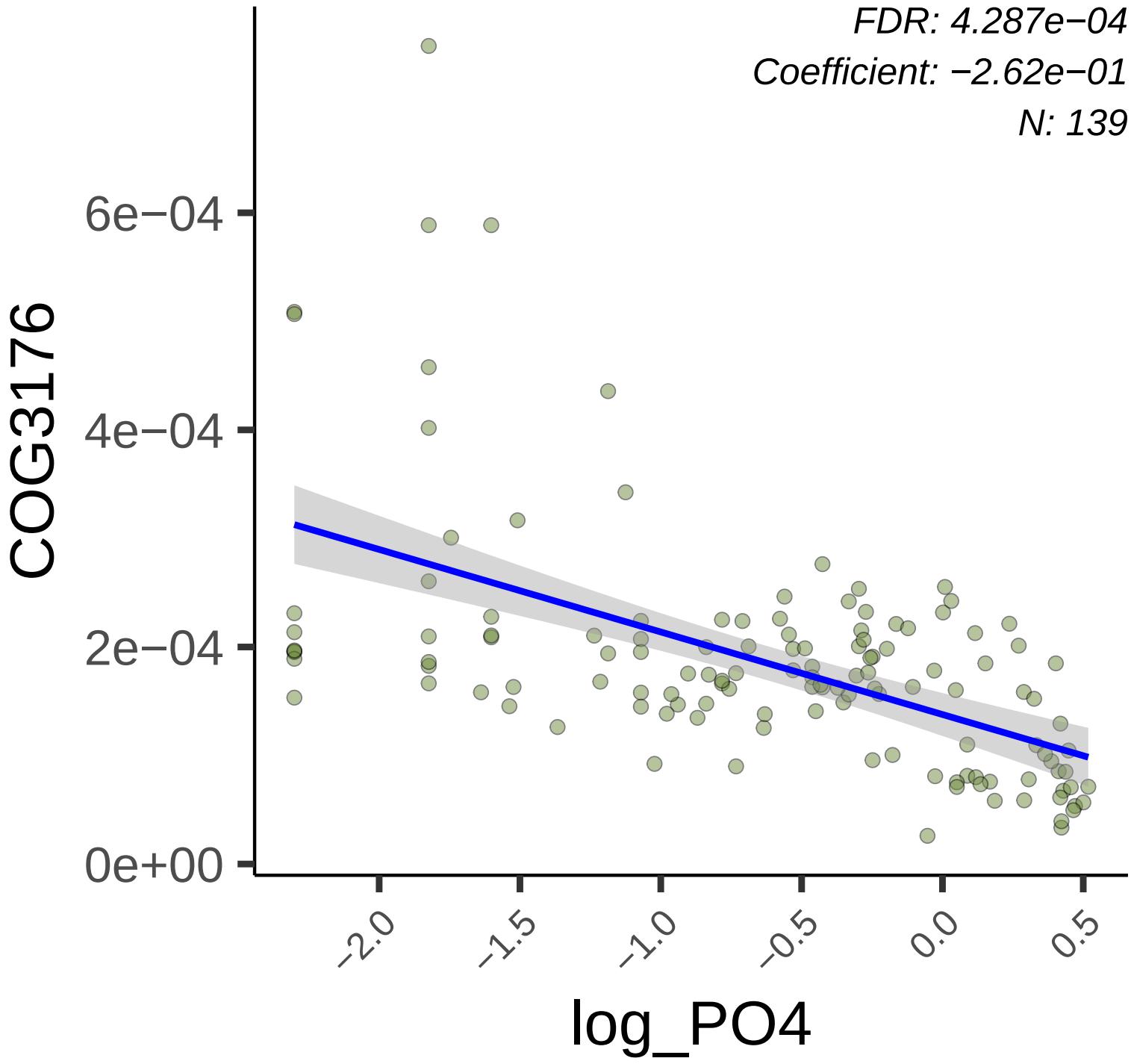
COG2939
−2.0
−1.5
−1.0
−0.5
0.0
0.5
log_PO4


FDR: 4.287e−04
Coefficient: −2.62e−01
N: 139
COG3176
6e−04
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−1.5
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−0.5
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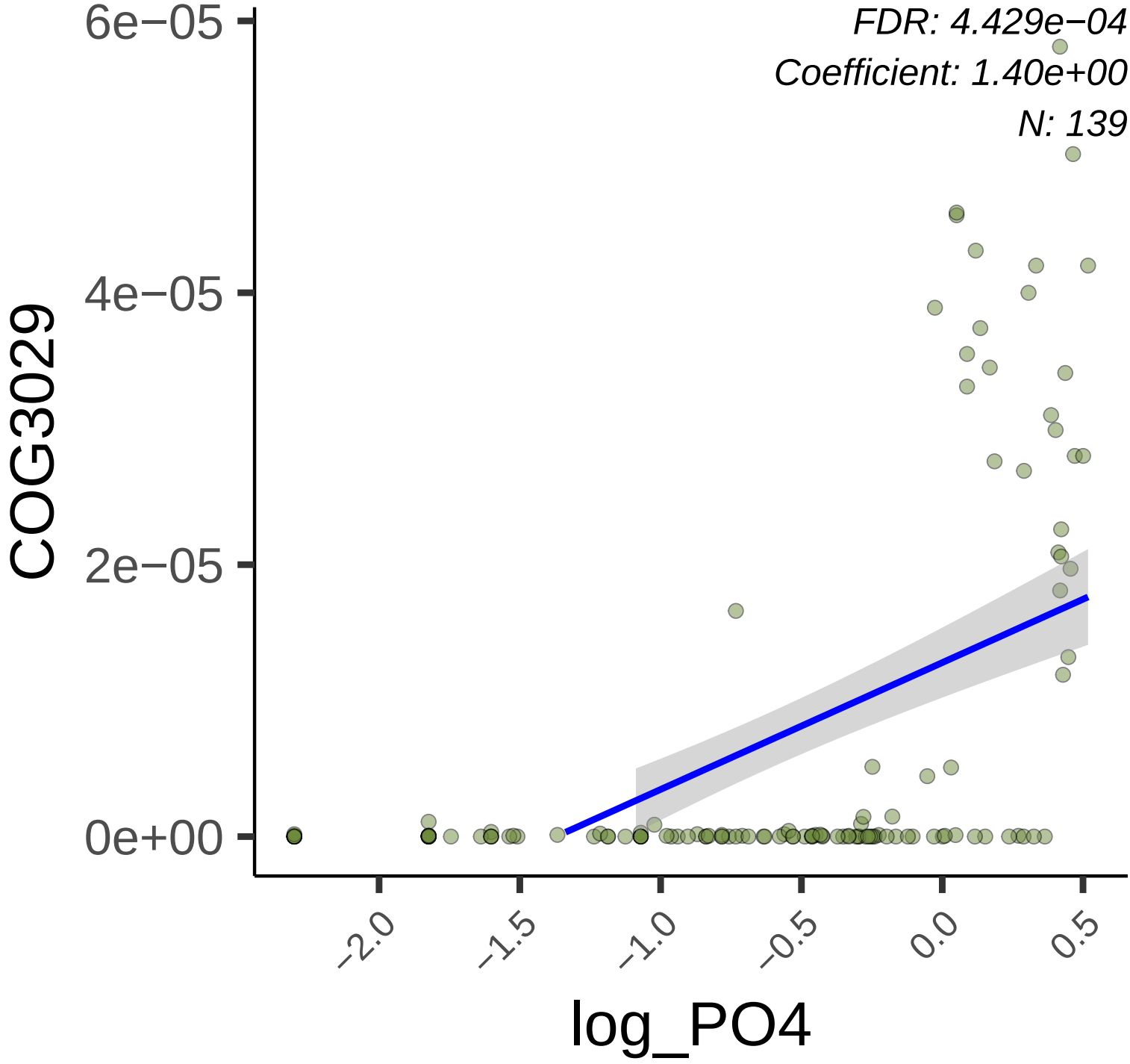
log_PO4


FDR: 4.429e−04
Coefficient: 1.40e+00
N: 139
6e−05
4e−05
2e−05
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COG3029
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−1.5
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−0.5
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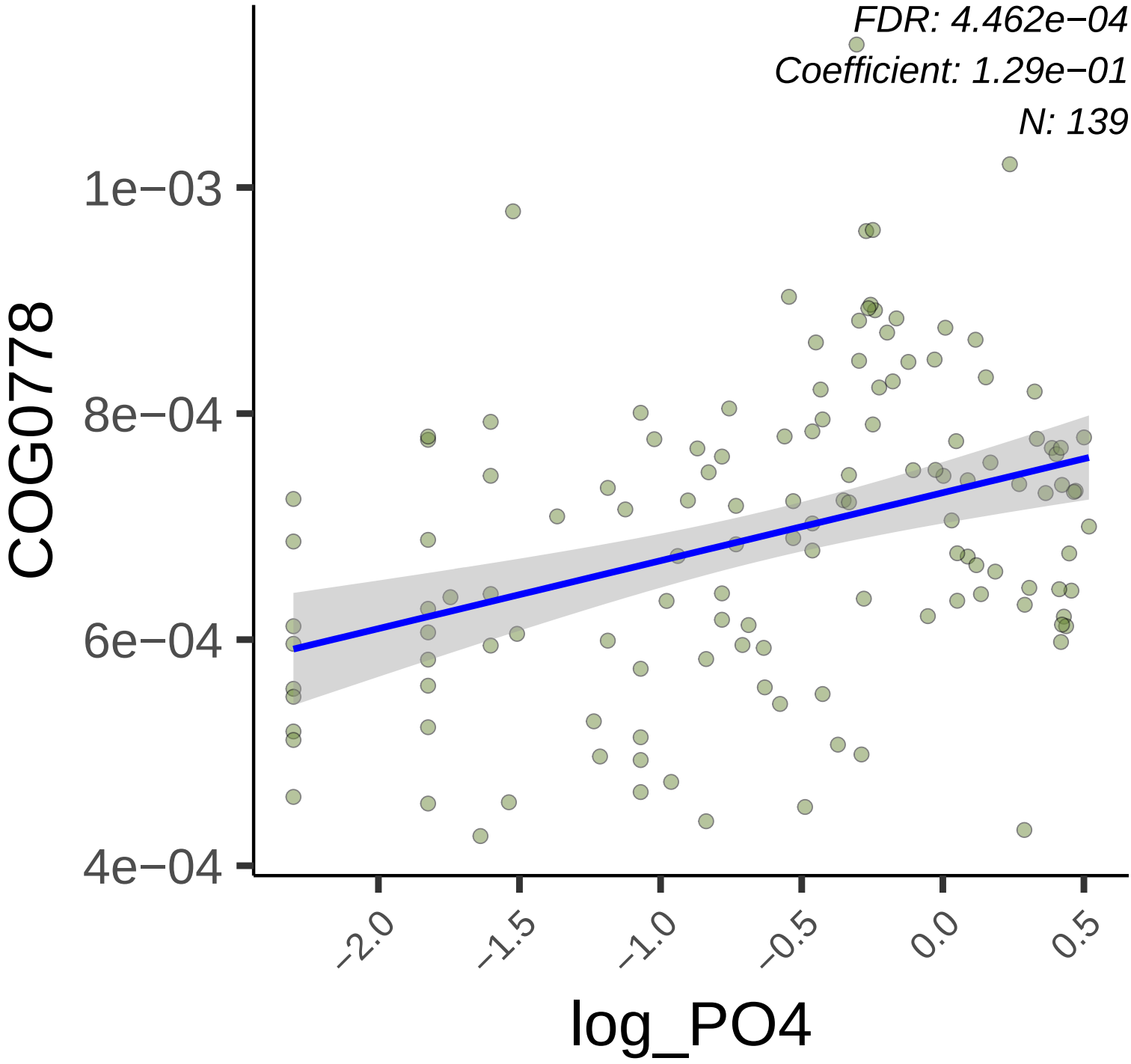
0.5
log_PO4


FDR: 4.462e−04
Coefficient: 1.29e−01
N: 139
1e−03
8e−04
6e−04
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COG0778
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−1.5
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−0.5
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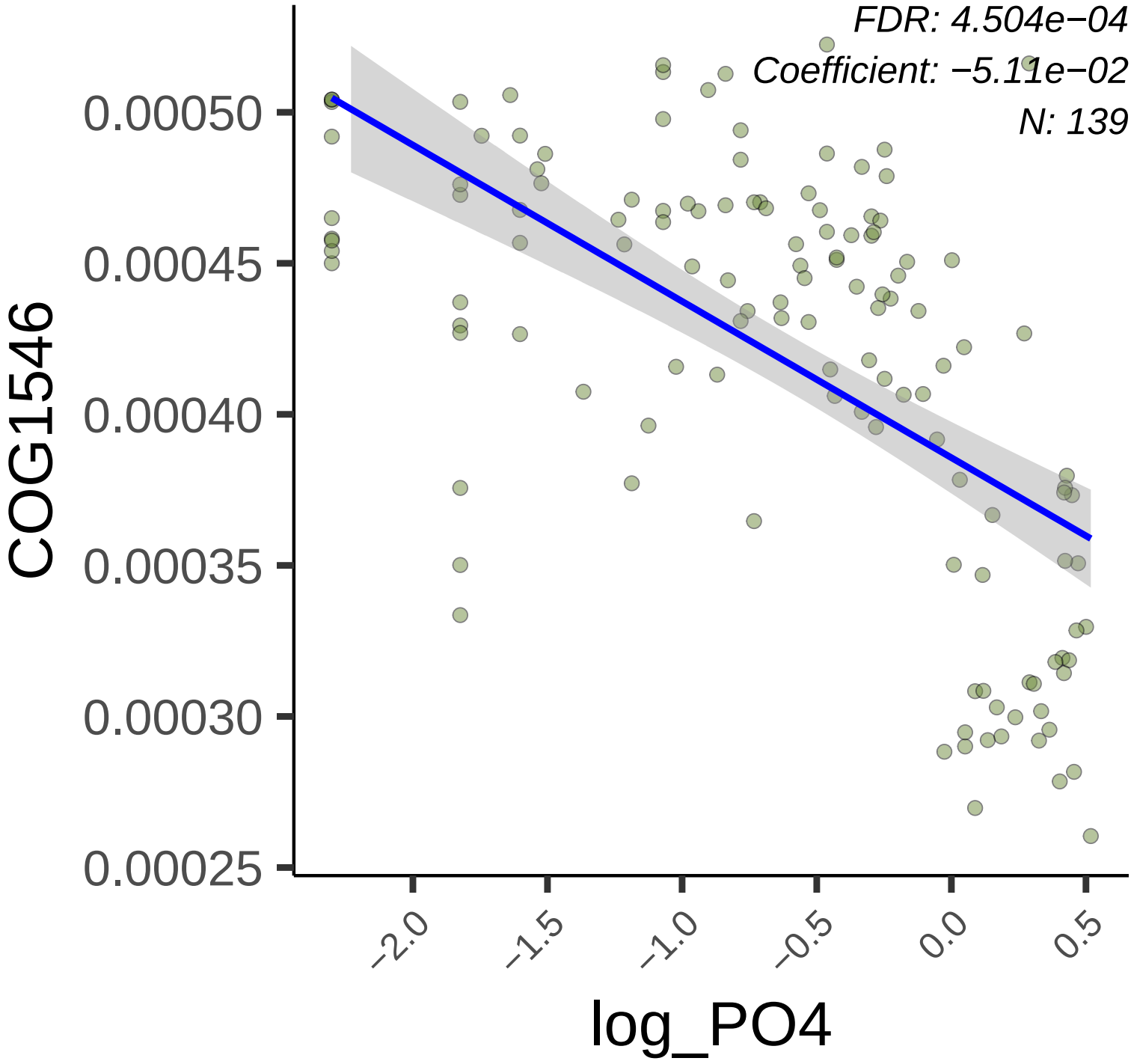
0.5
log_PO4


FDR: 4.504e−04
Coefficient: −5.11e−02
N: 139
COG1546
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0.00045
0.00040
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0.00030
0.00025
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−1.5
−1.0
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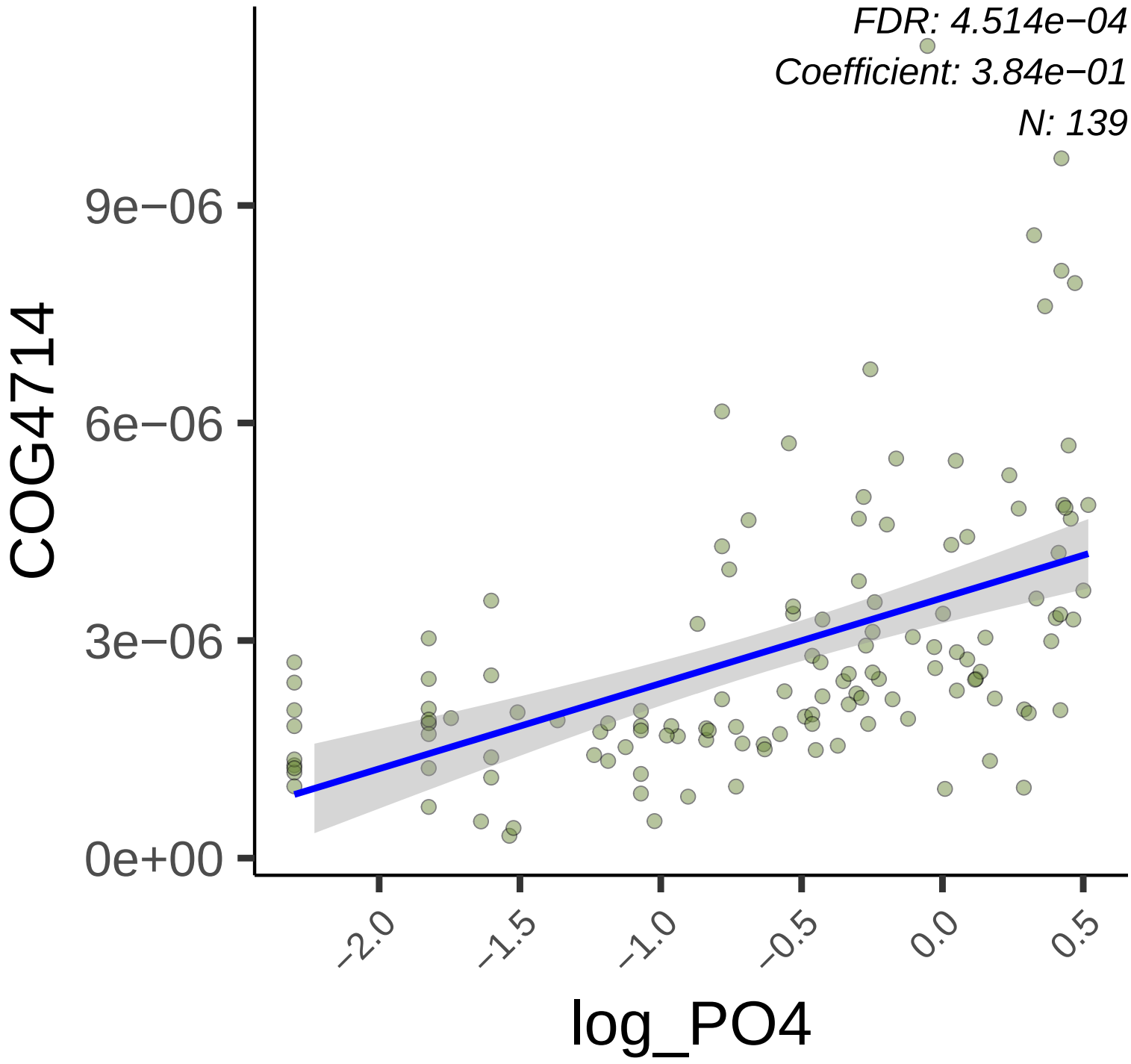
0.0
0.5
log_PO4


FDR: 4.514e−04
Coefficient: 3.84e−01
N: 139
COG4714
9e−06
6e−06
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0e+00
−2.0
−1.5
−1.0
−0.5
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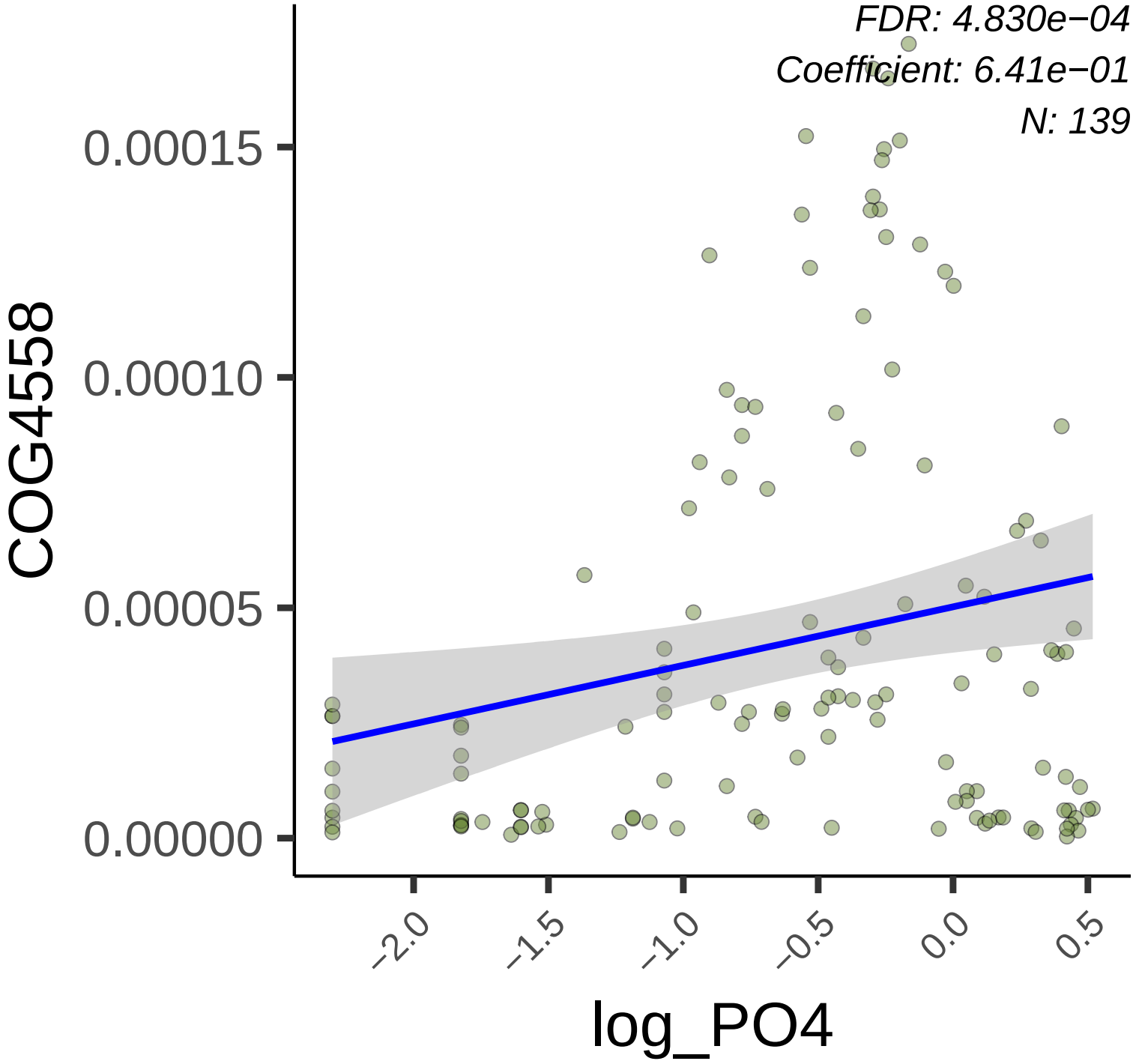
log_PO4


FDR: 4.830e−04
Coefficient: 6.41e−01
N: 139
COG4558
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0.00010
0.00005
0.00000
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−1.5
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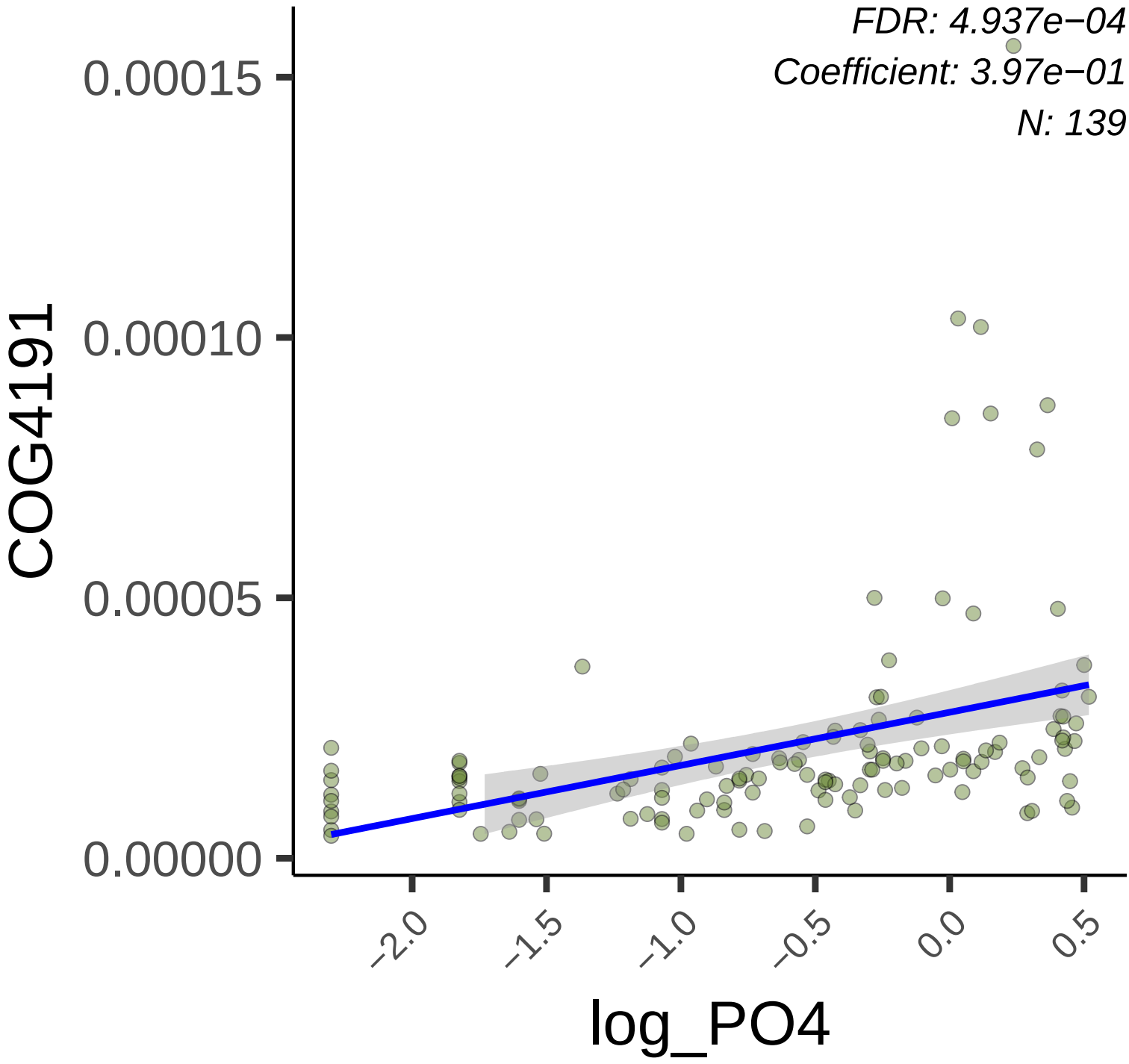
log_PO4


FDR: 4.937e−04
Coefficient: 3.97e−01
N: 139
0.00015
0.00010
0.00005
0.00000
COG4191
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−1.5
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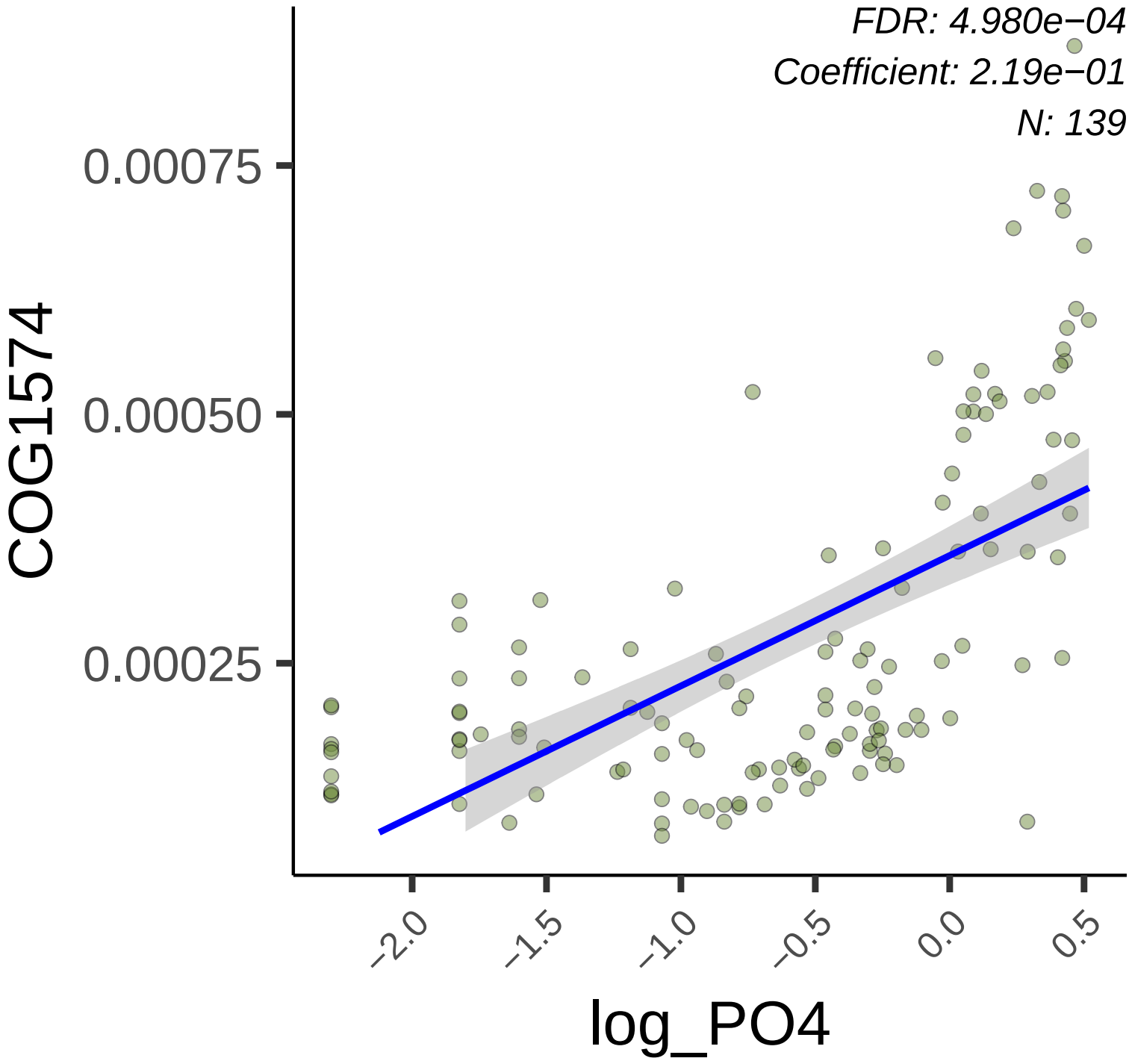
log_PO4


FDR: 4.980e−04
Coefficient: 2.19e−01
N: 139
COG1574
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0.00050
0.00025
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−1.5
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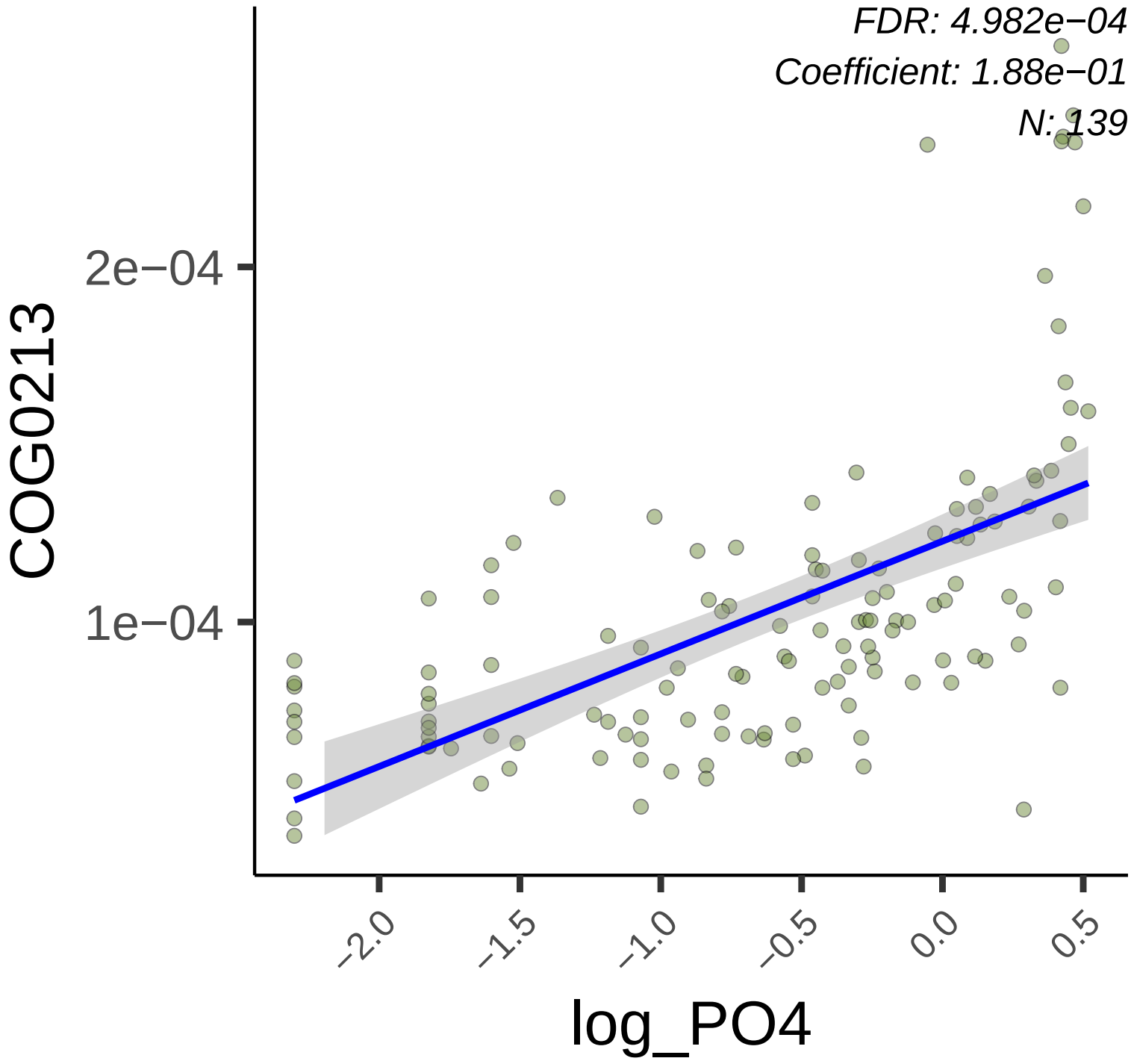
log_PO4


FDR: 4.982e−04
Coefficient: 1.88e−01
N: 139
COG0213
2e−04
1e−04
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−1.5
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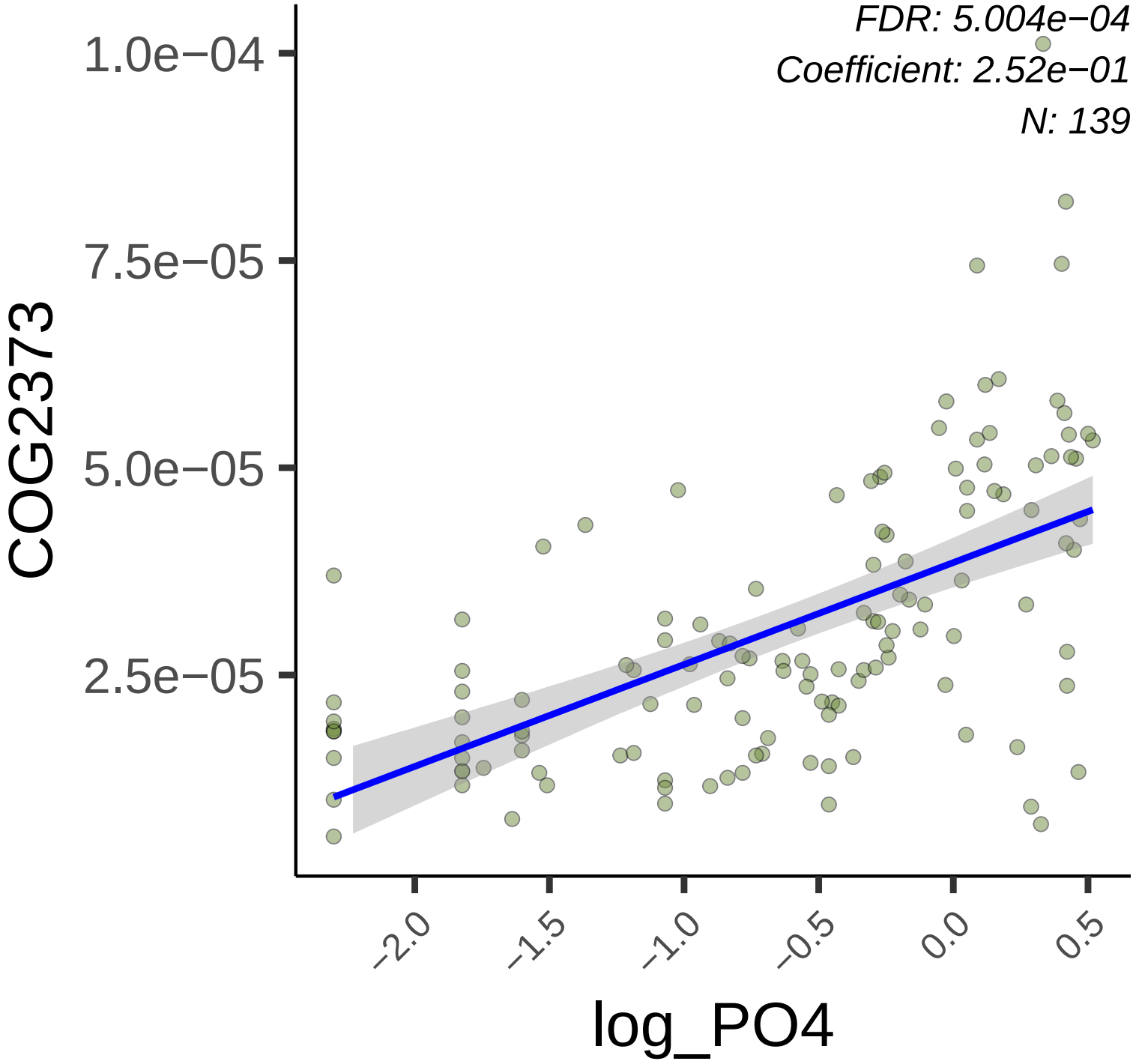
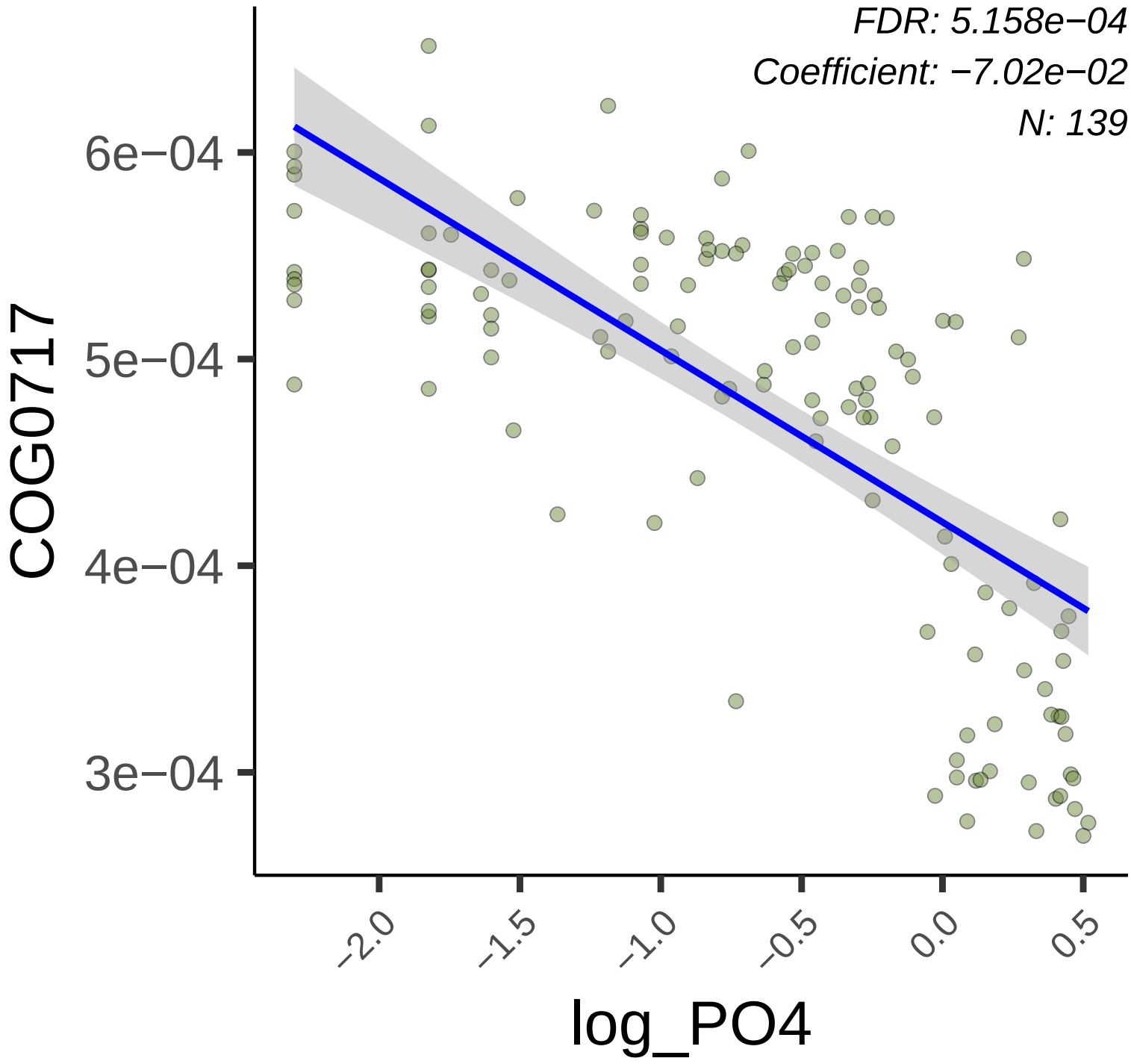
log_PO4


FDR: 5.004e−04
Coefficient: 2.52e−01
N: 139
1.0e−04
7.5e−05
5.0e−05
2.5e−05
COG2373
−2.0
−1.5
−1.0
−0.5
0.0
0.5
log_PO4


FDR: 5.158e−04
Coefficient: −7.02e−02
N: 139
COG0717
6e−04
5e−04
4e−04
3e−04
−2.0
−1.5
−1.0
−0.5
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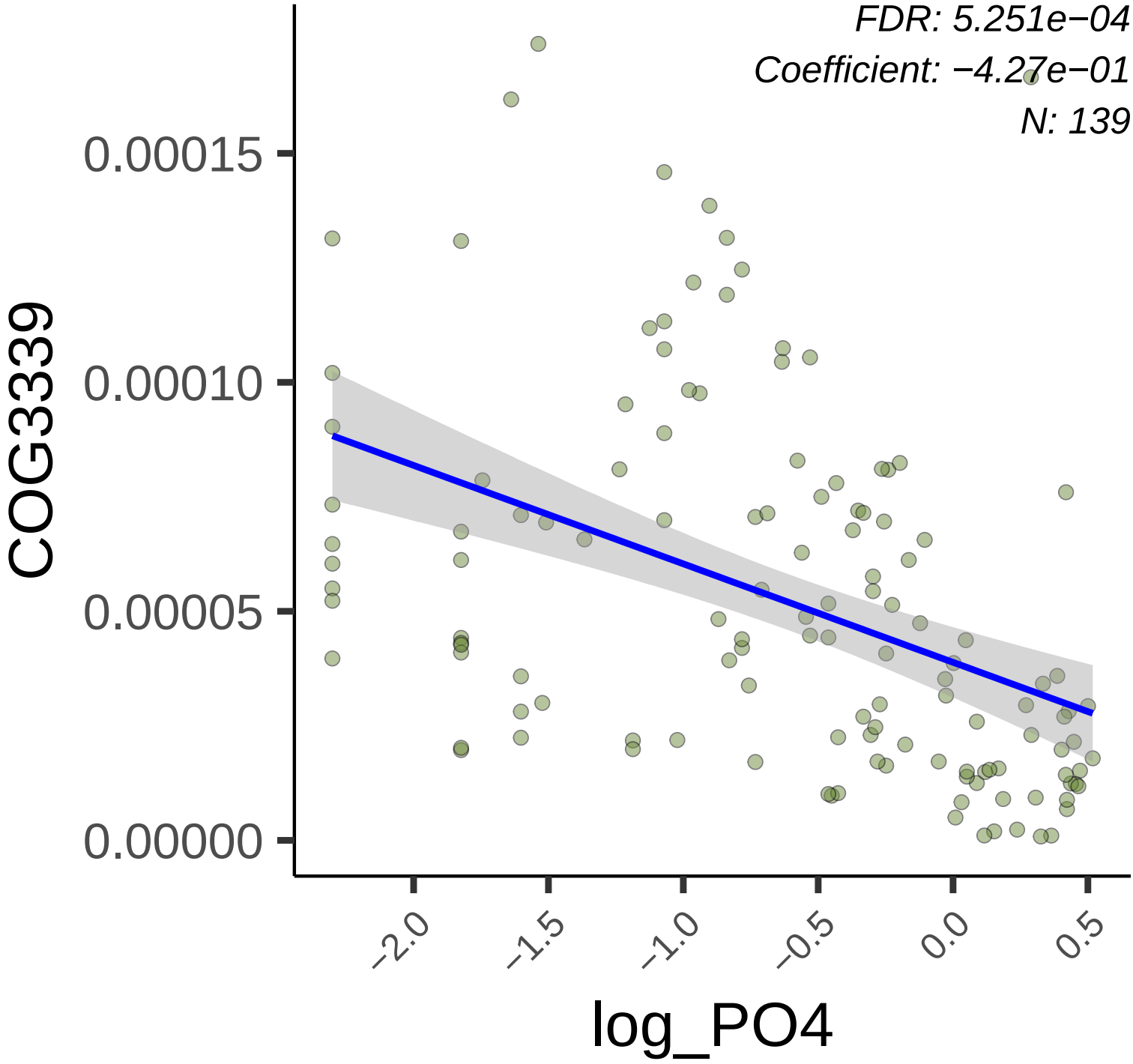
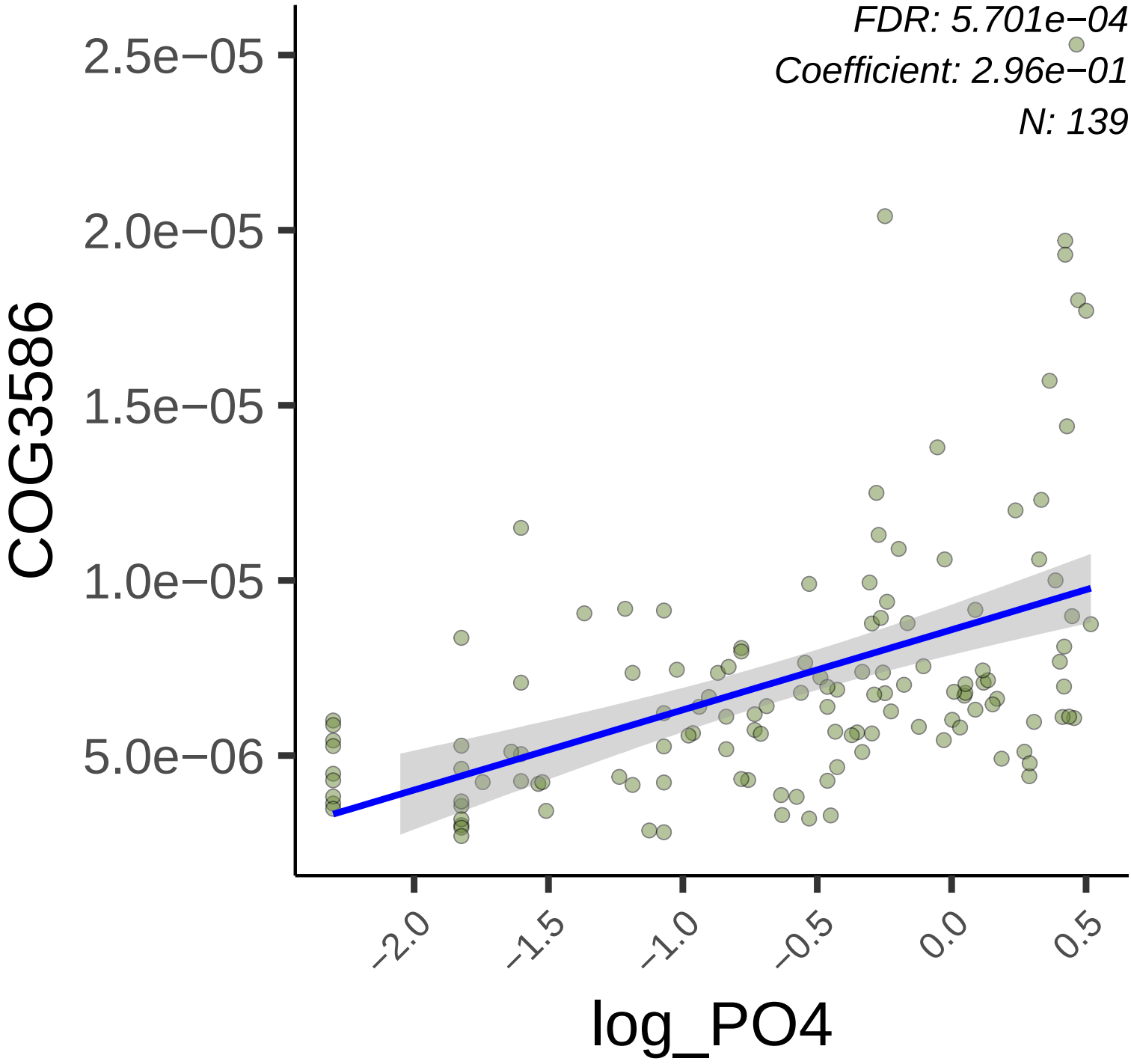
log_PO4


FDR: 5.251e−04
Coefficient: −4.27e−01
N: 139
COG3339
0.00015
0.00010
0.00005
0.00000
−2.0
−1.5
−1.0
−0.5
0.0
0.5
log_PO4


FDR: 5.701e−04
Coefficient: 2.96e−01
N: 139
2.5e−05
2.0e−05
1.5e−05
1.0e−05
5.0e−06
COG3586
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−1.5
−1.0
−0.5
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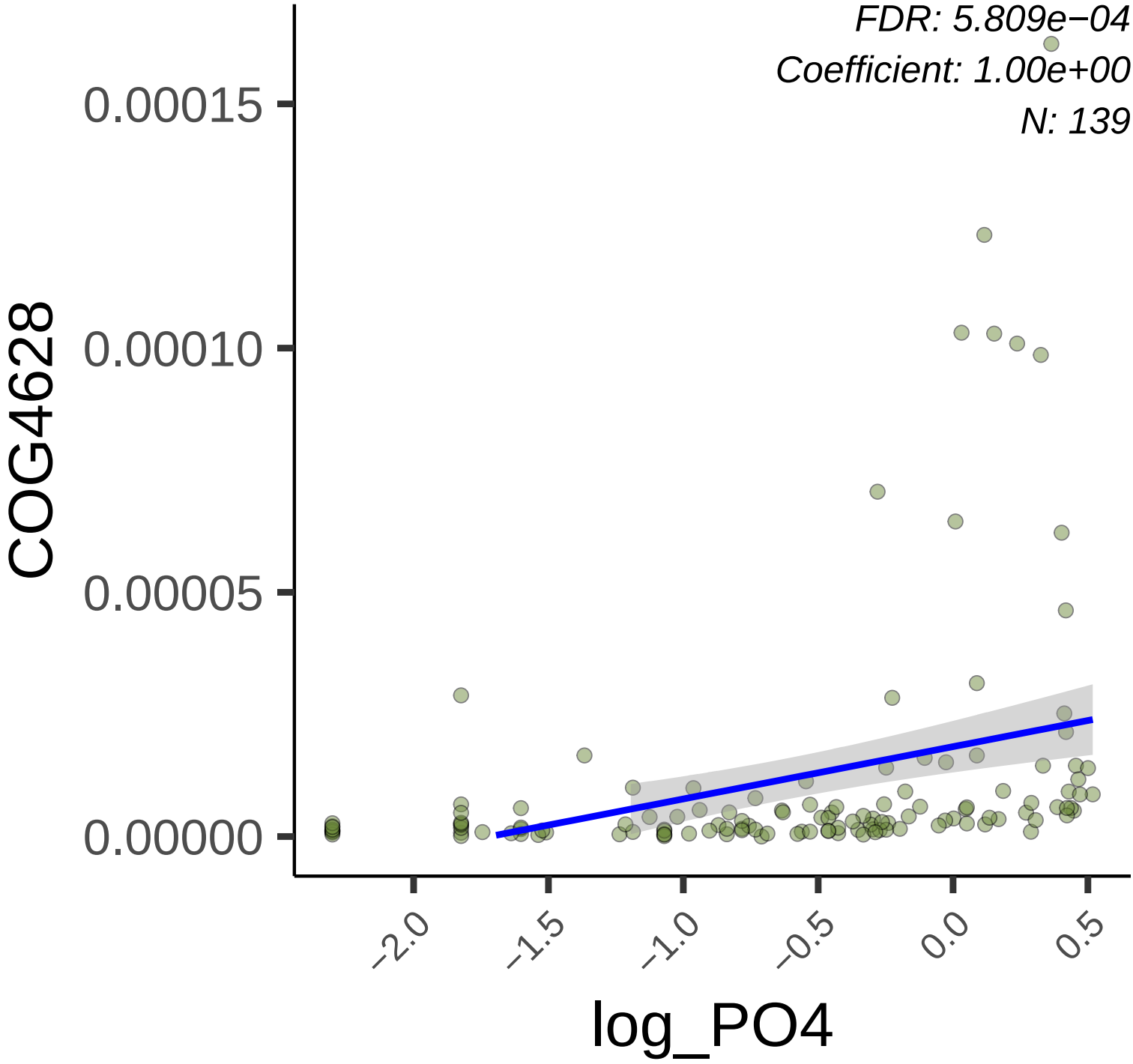
0.5
log_PO4


FDR: 5.809e−04
Coefficient: 1.00e+00
N: 139
COG4628
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0.00000
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−1.5
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−0.5
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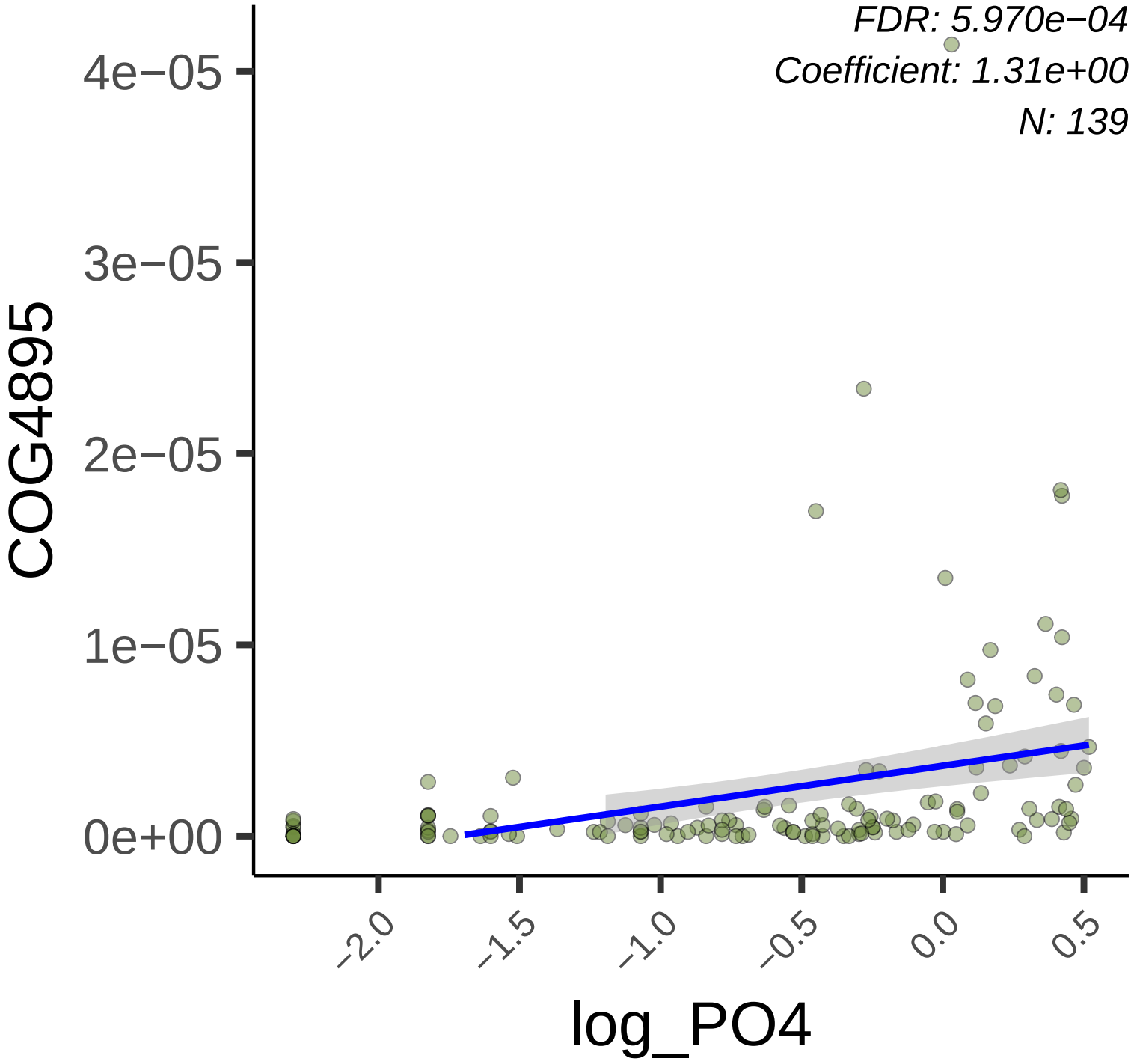
log_PO4


FDR: 5.970e−04
Coefficient: 1.31e+00
N: 139
COG4895
4e−05
3e−05
2e−05
1e−05
0e+00
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−1.5
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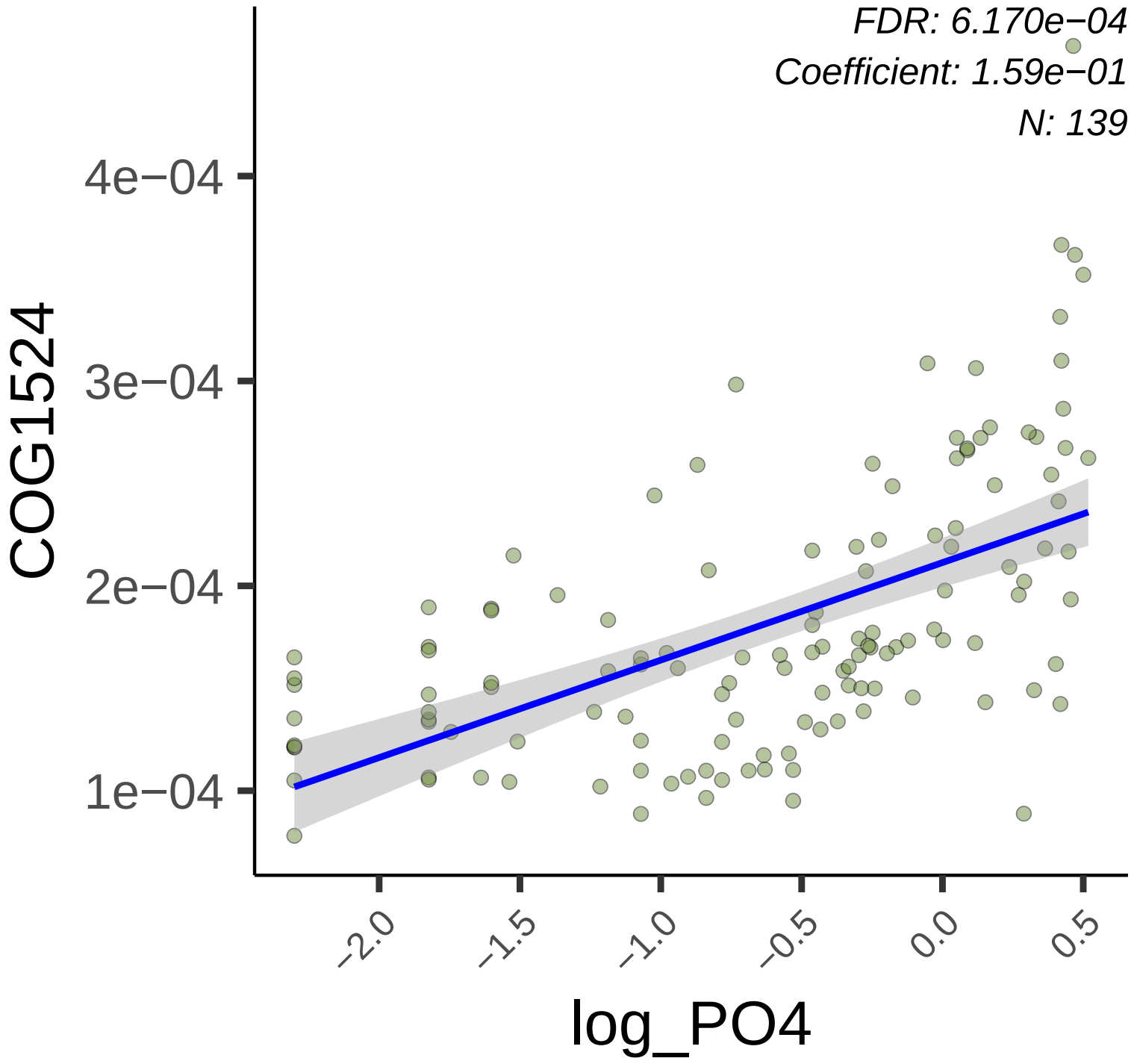
log_PO4


FDR: 6.170e−04
Coefficient: 1.59e−01
N: 139
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3e−04
2e−04
1e−04
COG1524
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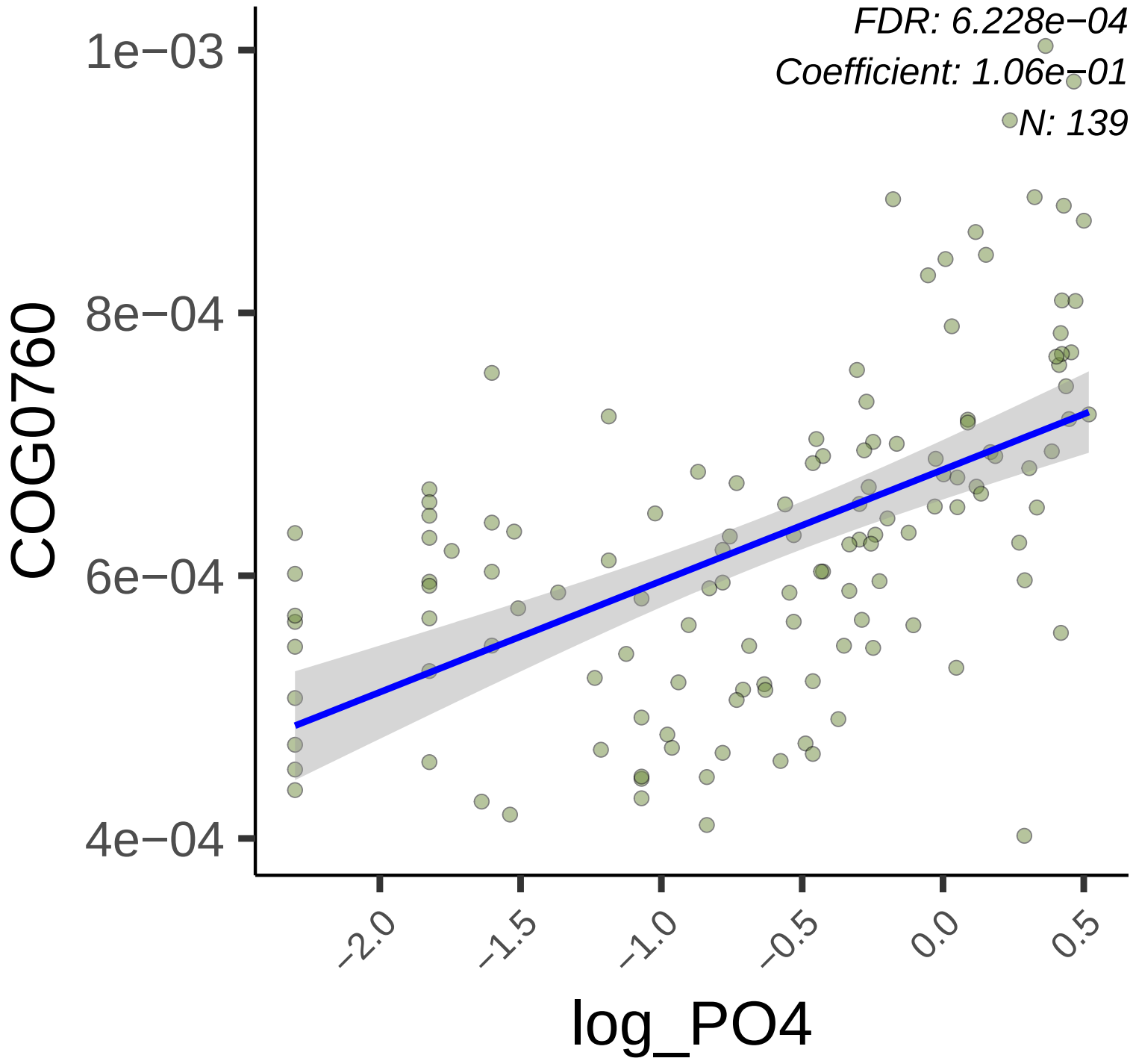
log_PO4


FDR: 6.228e−04
Coefficient: 1.06e−01
N: 139
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8e−04
6e−04
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COG0760
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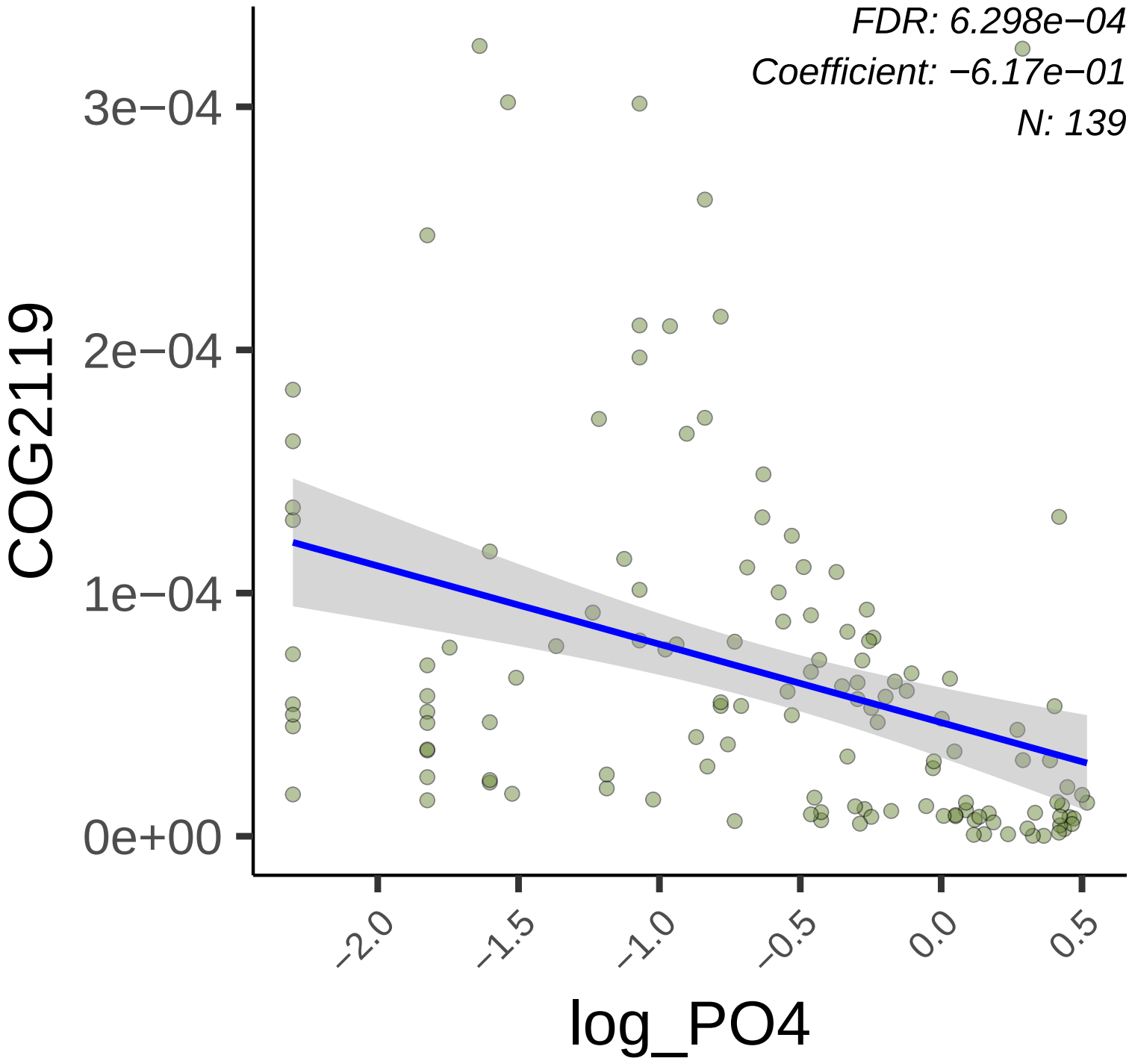
log_PO4


FDR: 6.298e−04
Coefficient: −6.17e−01
N: 139
COG2119
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2e−04
1e−04
0e+00
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−1.5
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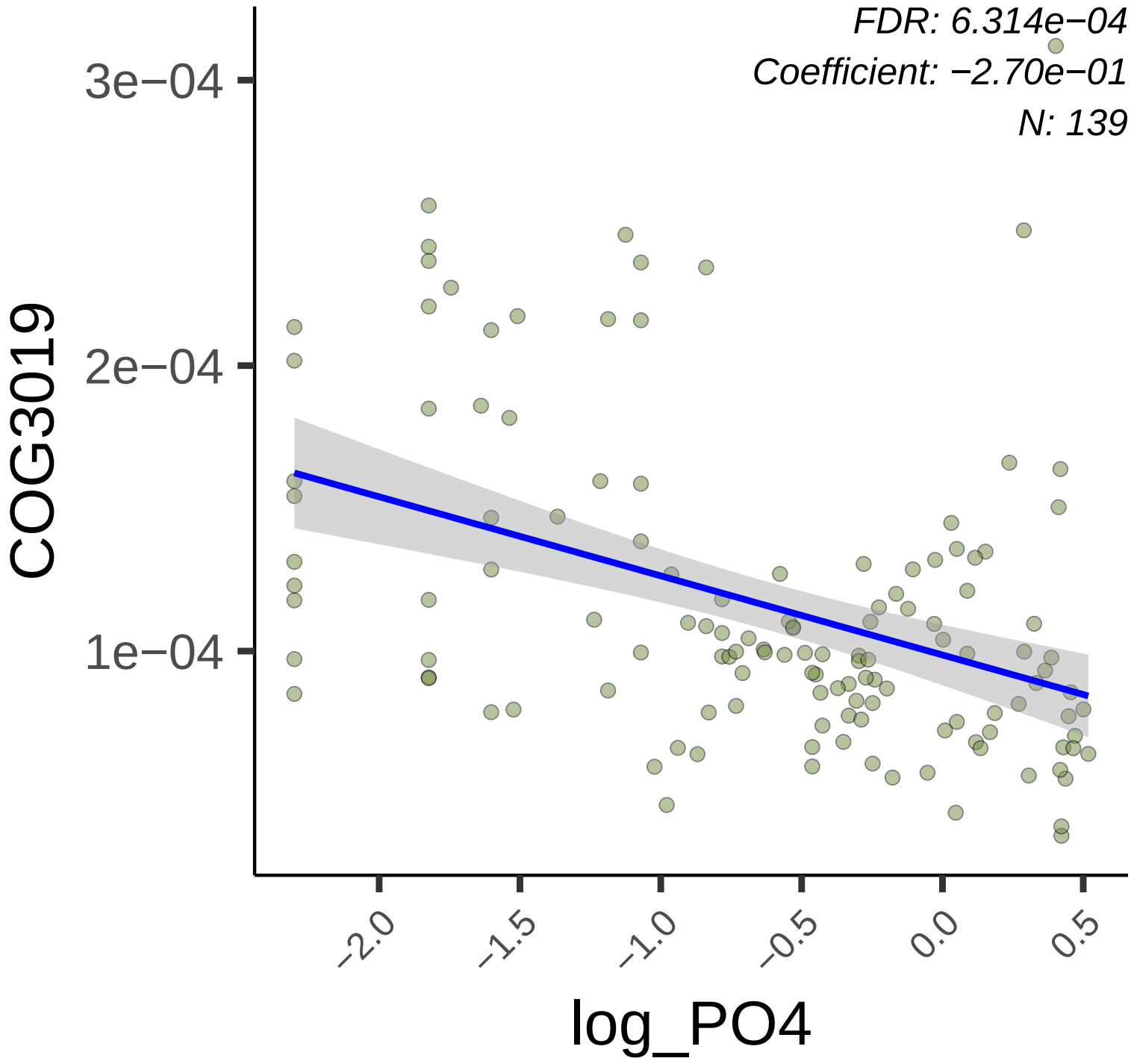
log_PO4


FDR: 6.314e−04
Coefficient: −2.70e−01
N: 139
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2e−04
1e−04
COG3019
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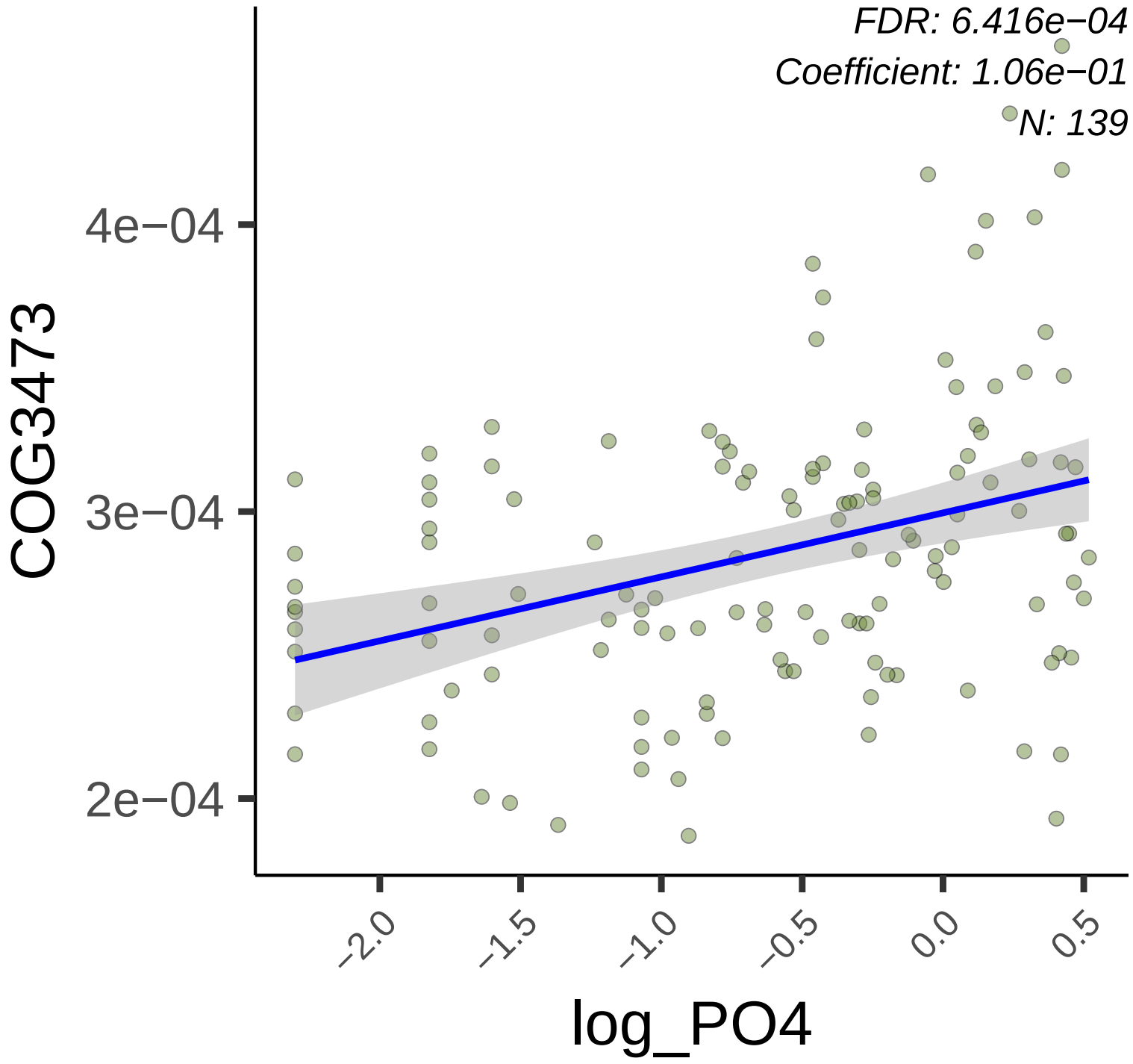
log_PO4


FDR: 6.416e−04
Coefficient: 1.06e−01
N: 139
COG3473
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3e−04
2e−04
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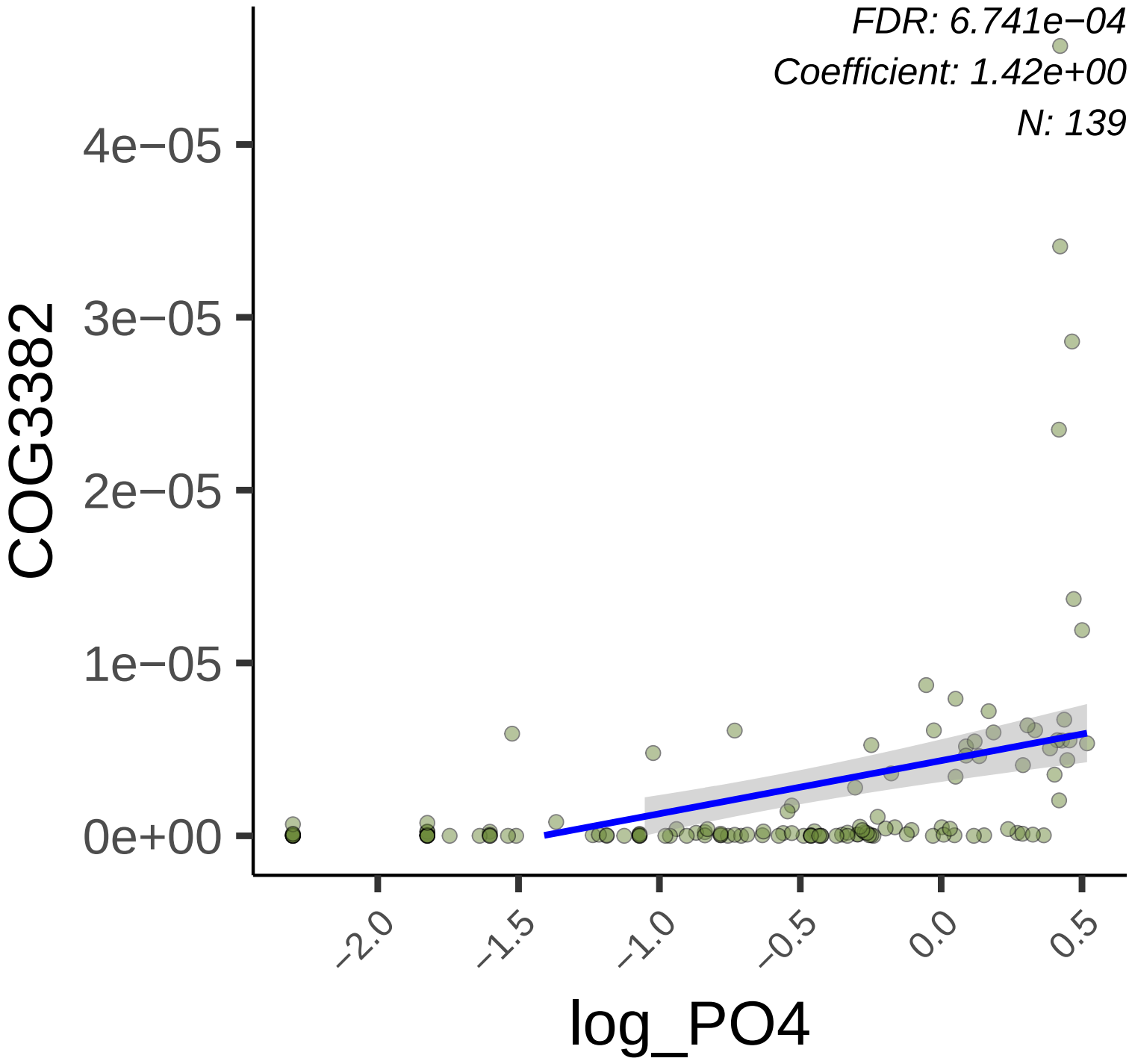
log_PO4


FDR: 6.741e−04
Coefficient: 1.42e+00
N: 139
COG3382
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3e−05
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1e−05
0e+00
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−1.5
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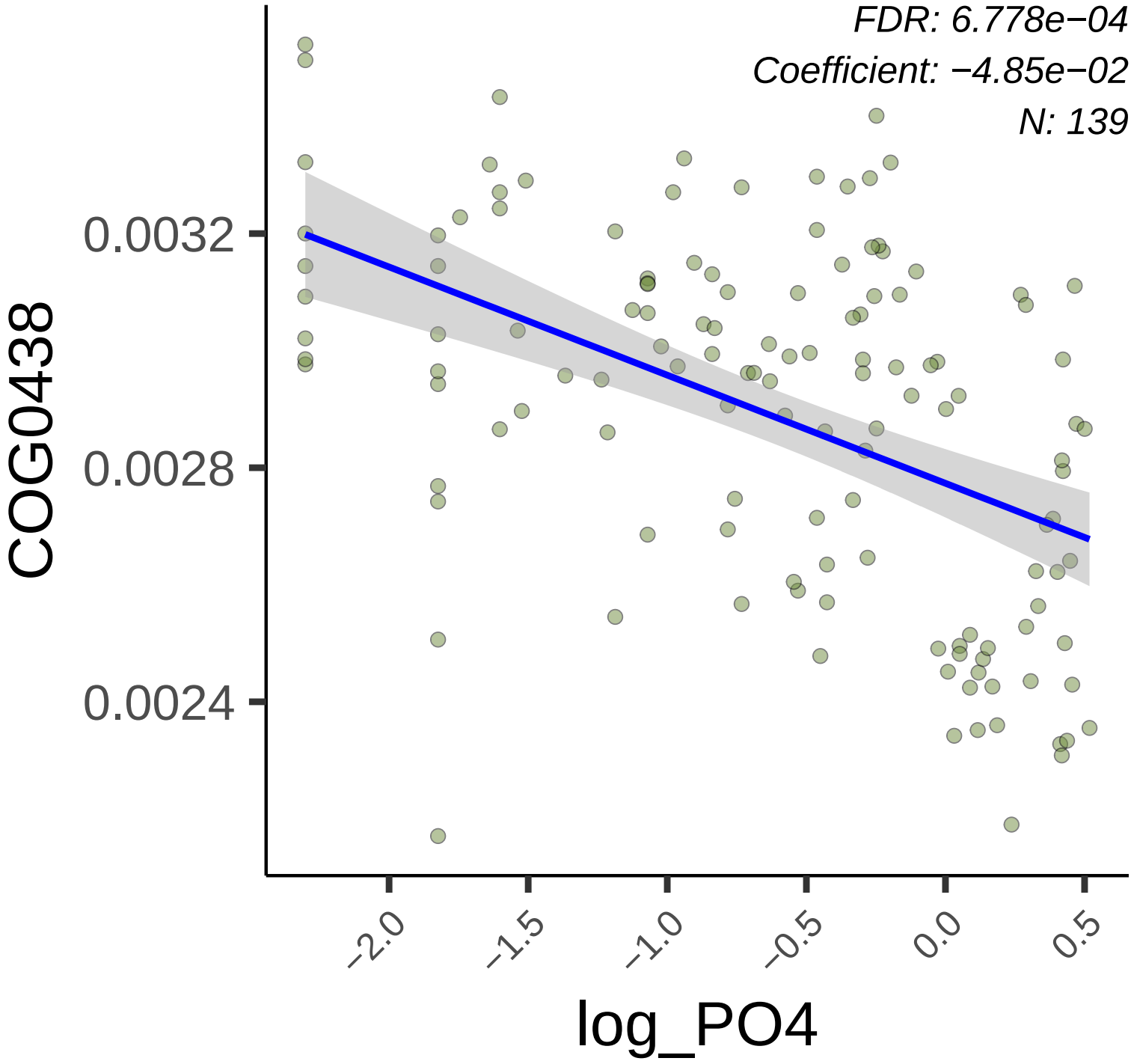
log_PO4


FDR: 6.778e−04
Coefficient: −4.85e−02
N: 139
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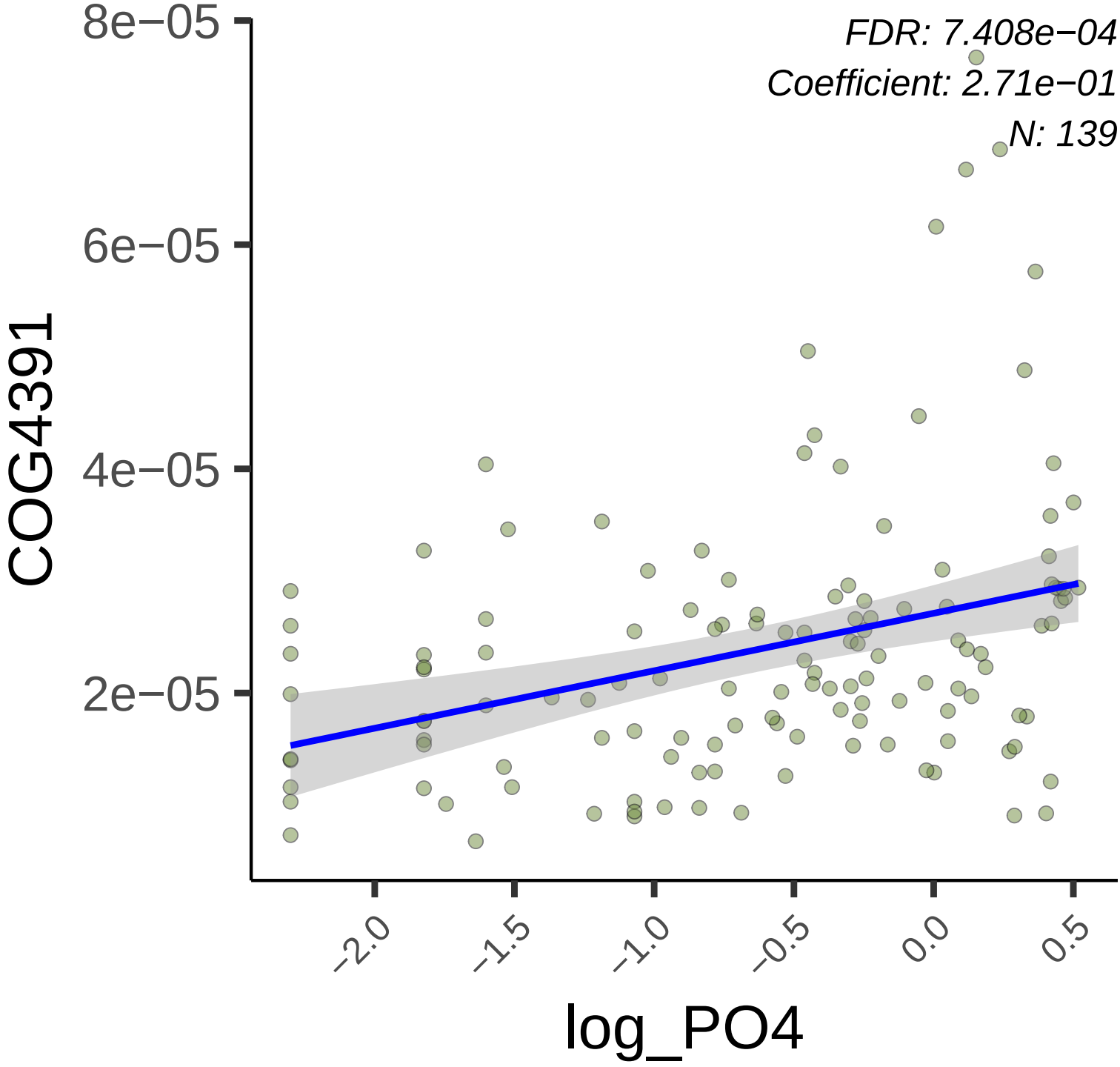
log_PO4


FDR: 7.408e−04
Coefficient: 2.71e−01
N: 139
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6e−05
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COG4391
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−1.5
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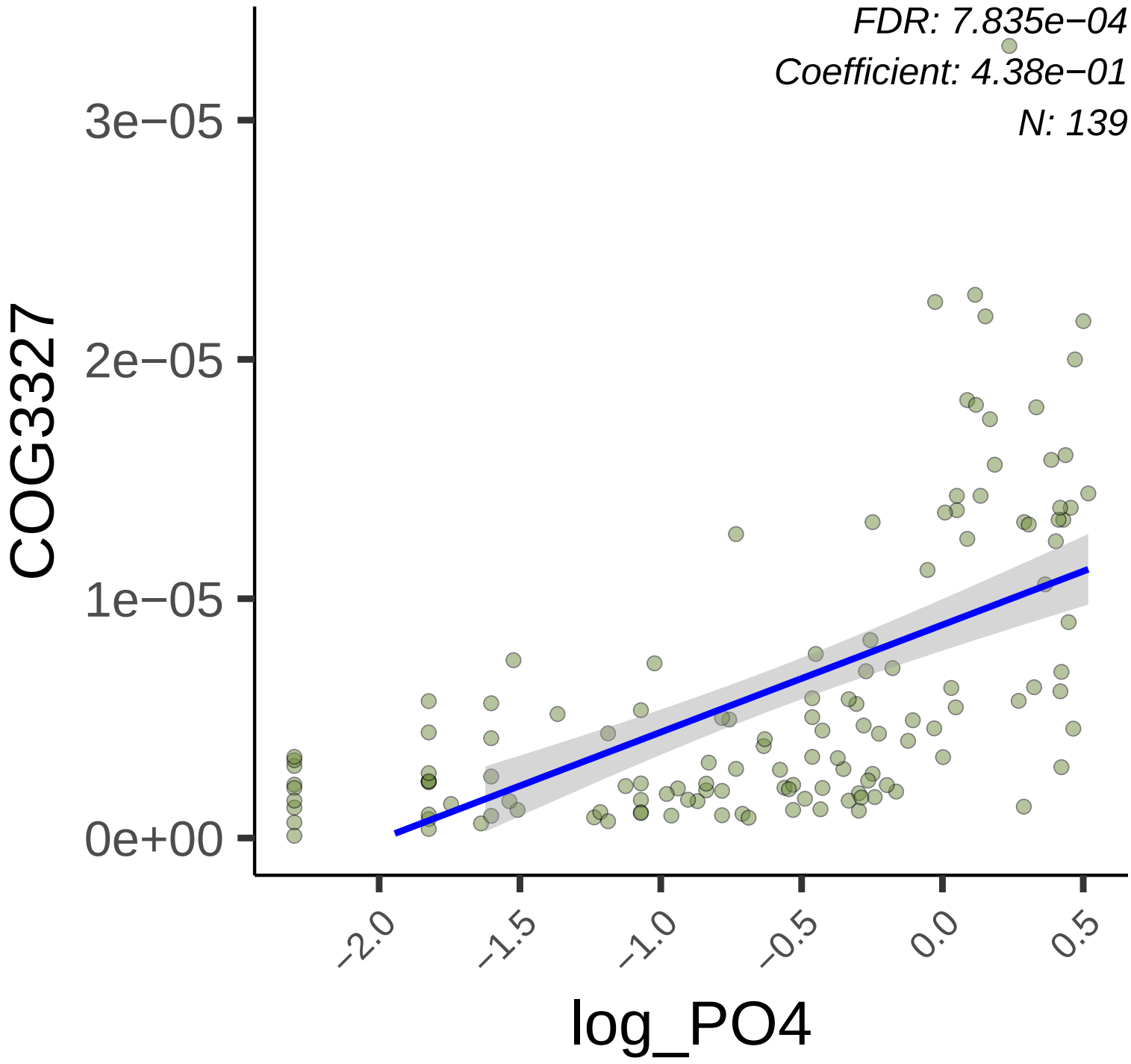
log_PO4


FDR: 7.835e−04
Coefficient: 4.38e−01
N: 139
COG3327
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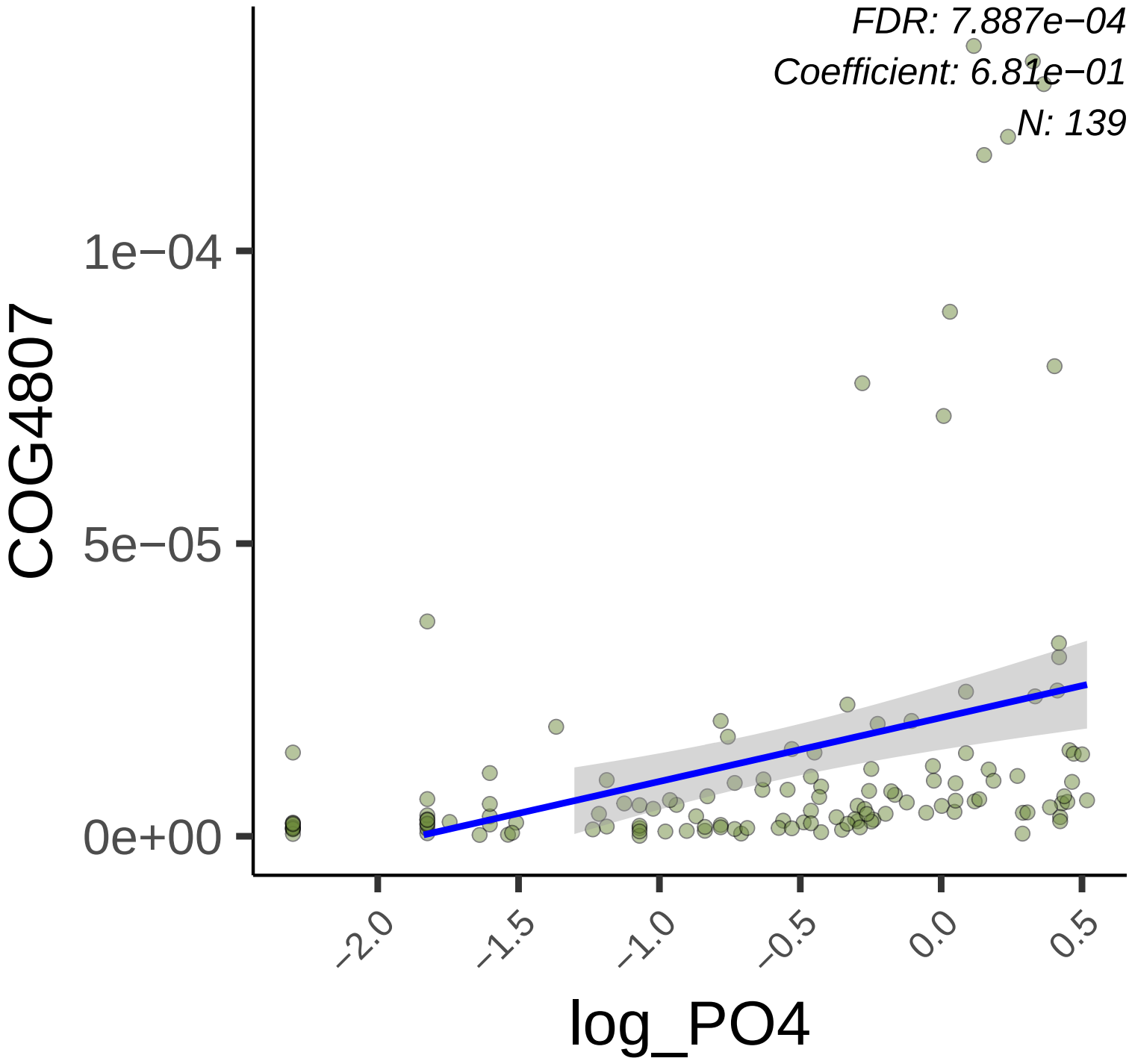
log_PO4


FDR: 7.887e−04
Coefficient: 6.81e−01
N: 139
COG4807
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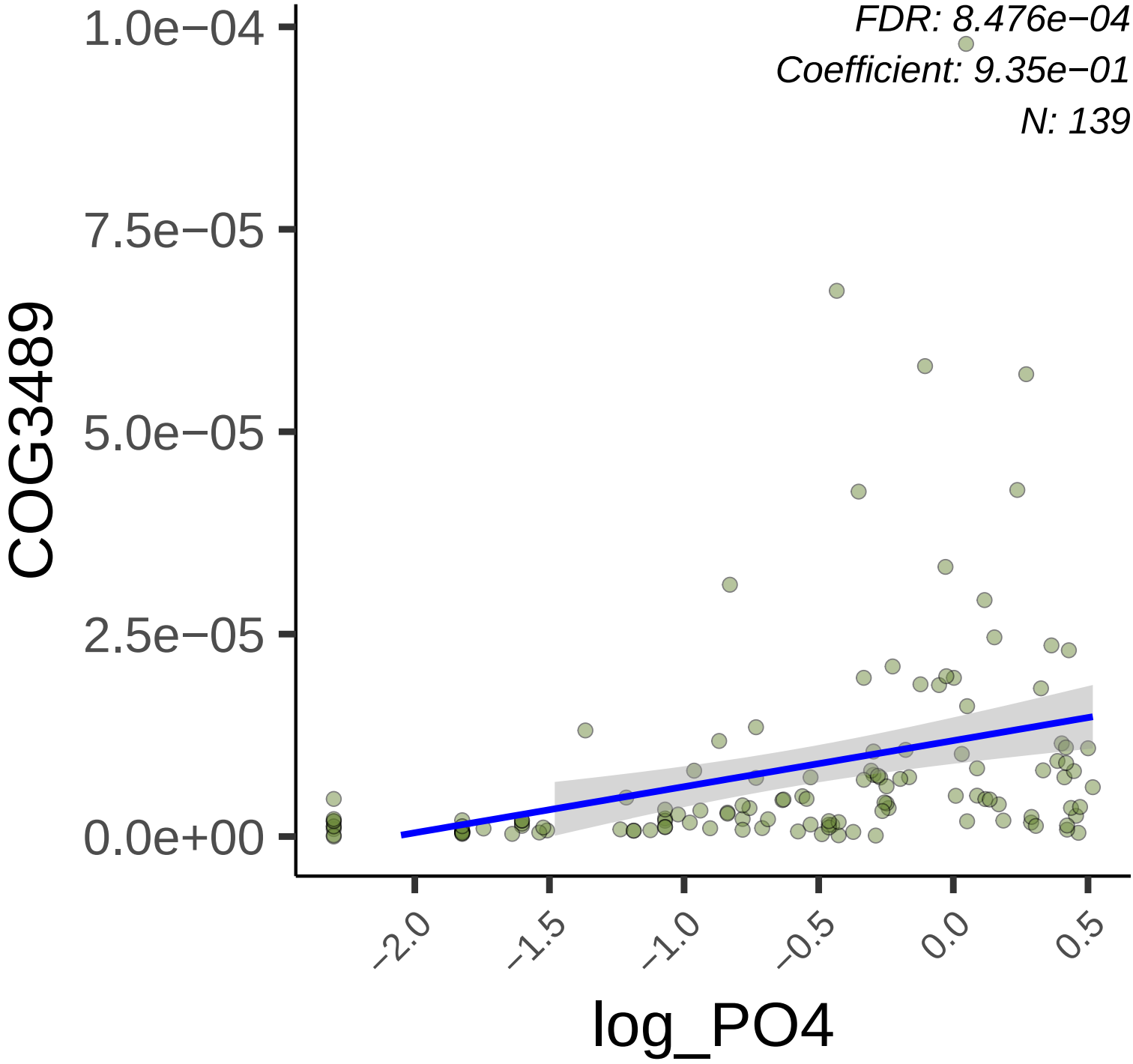
log_PO4


FDR: 8.476e−04
Coefficient: 9.35e−01
N: 139
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7.5e−05
5.0e−05
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COG3489
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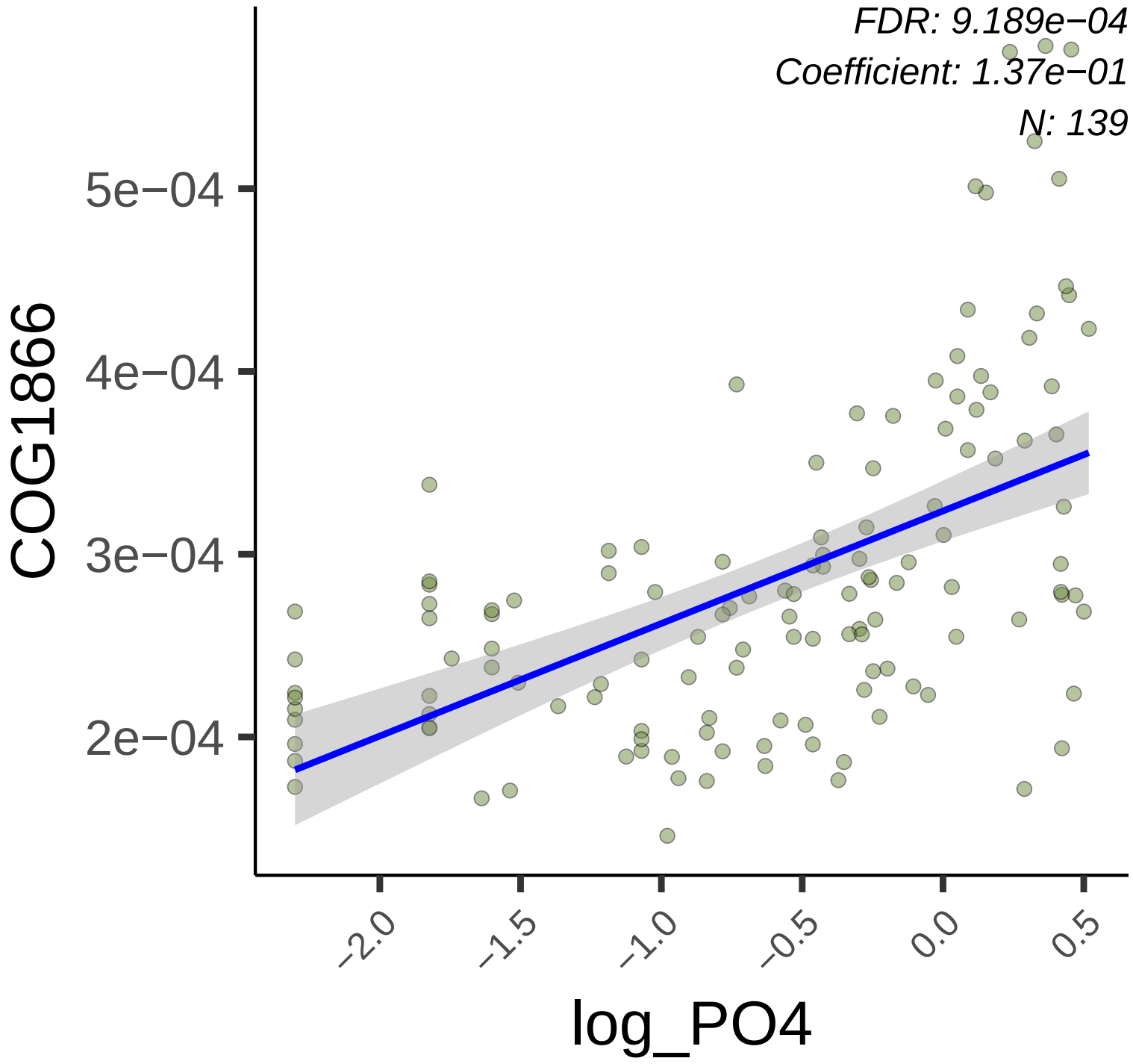
log_PO4


FDR: 9.189e−04
Coefficient: 1.37e−01
N: 139
COG1866
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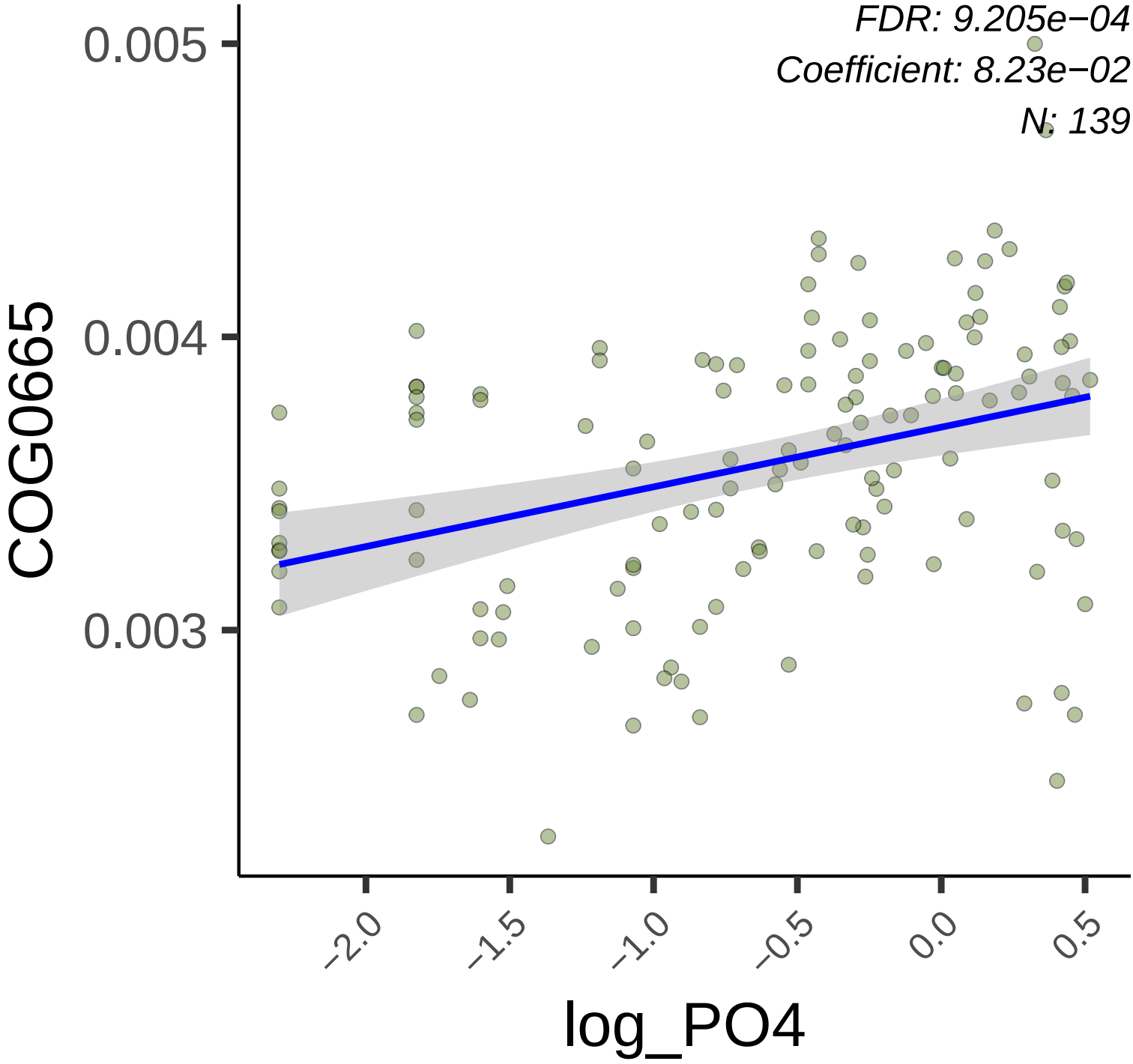
log_PO4


FDR: 9.205e−04
Coefficient: 8.23e−02
N: 139
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COG0665
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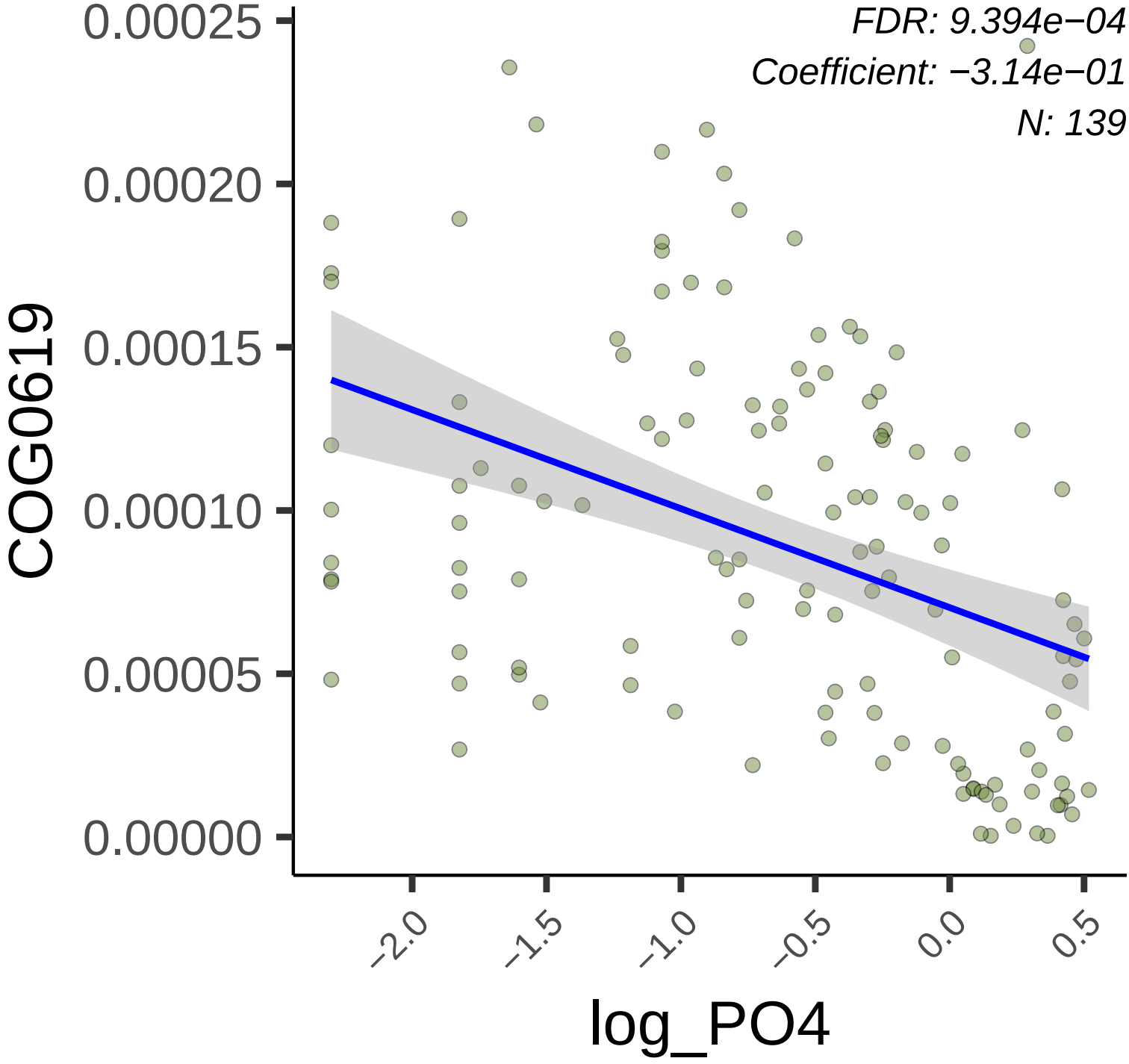
log_PO4


FDR: 9.394e−04
Coefficient: −3.14e−01
N: 139
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0.00020
0.00015
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COG0619
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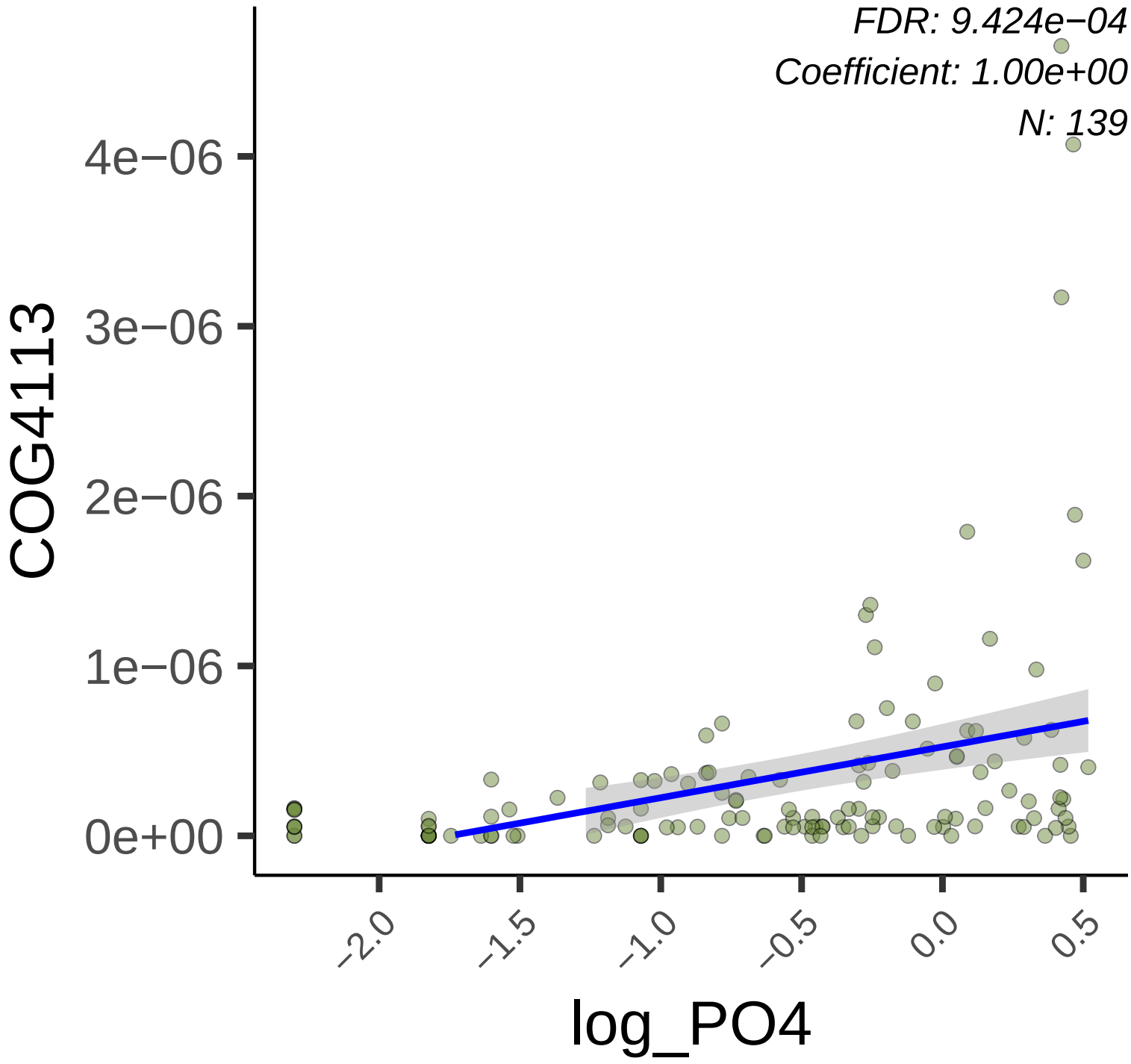
log_PO4


FDR: 9.424e−04
Coefficient: 1.00e+00
N: 139
COG4113
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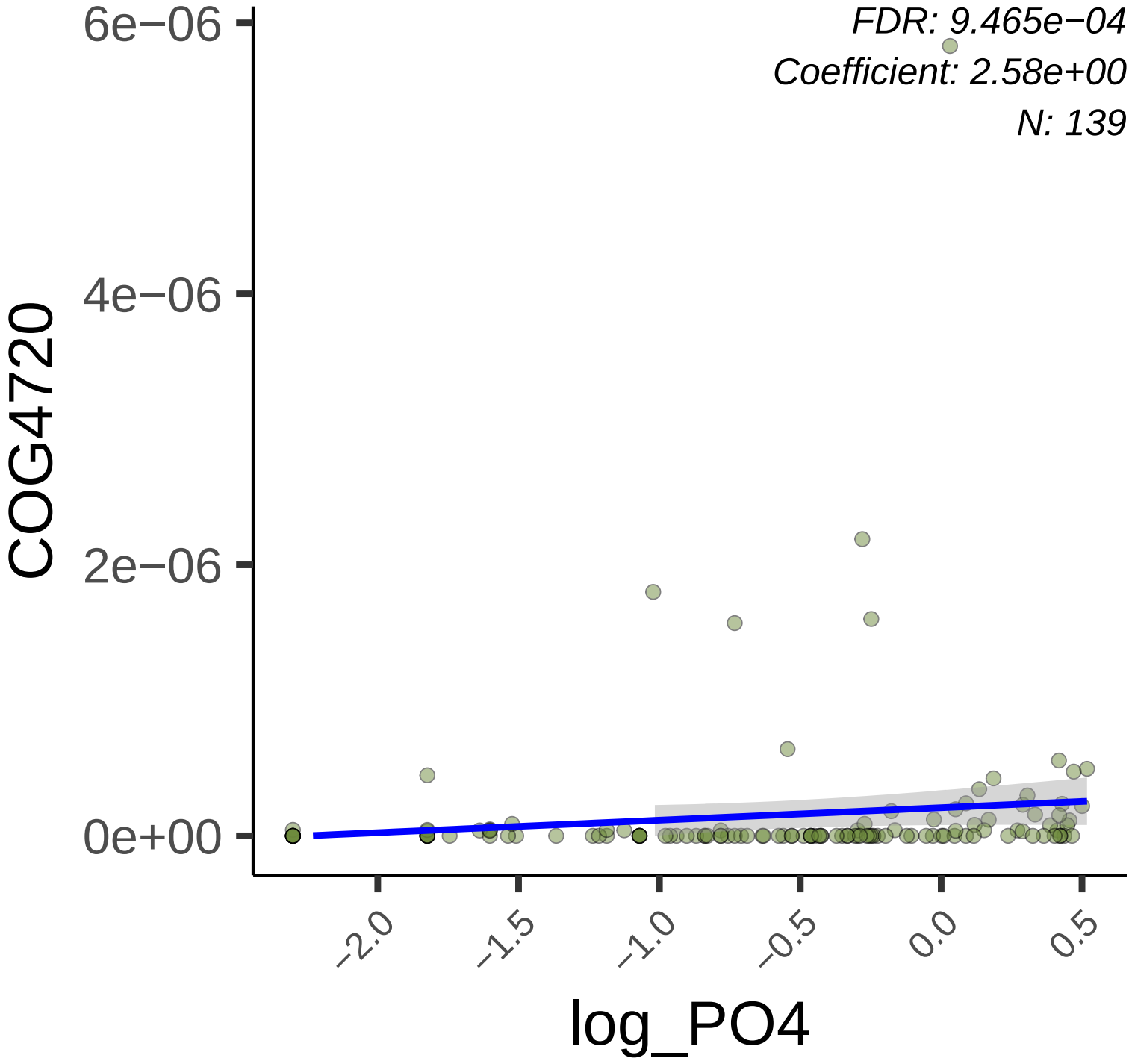
log_PO4


FDR: 9.465e−04
Coefficient: 2.58e+00
N: 139
6e−06
4e−06
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COG4720
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−1.0
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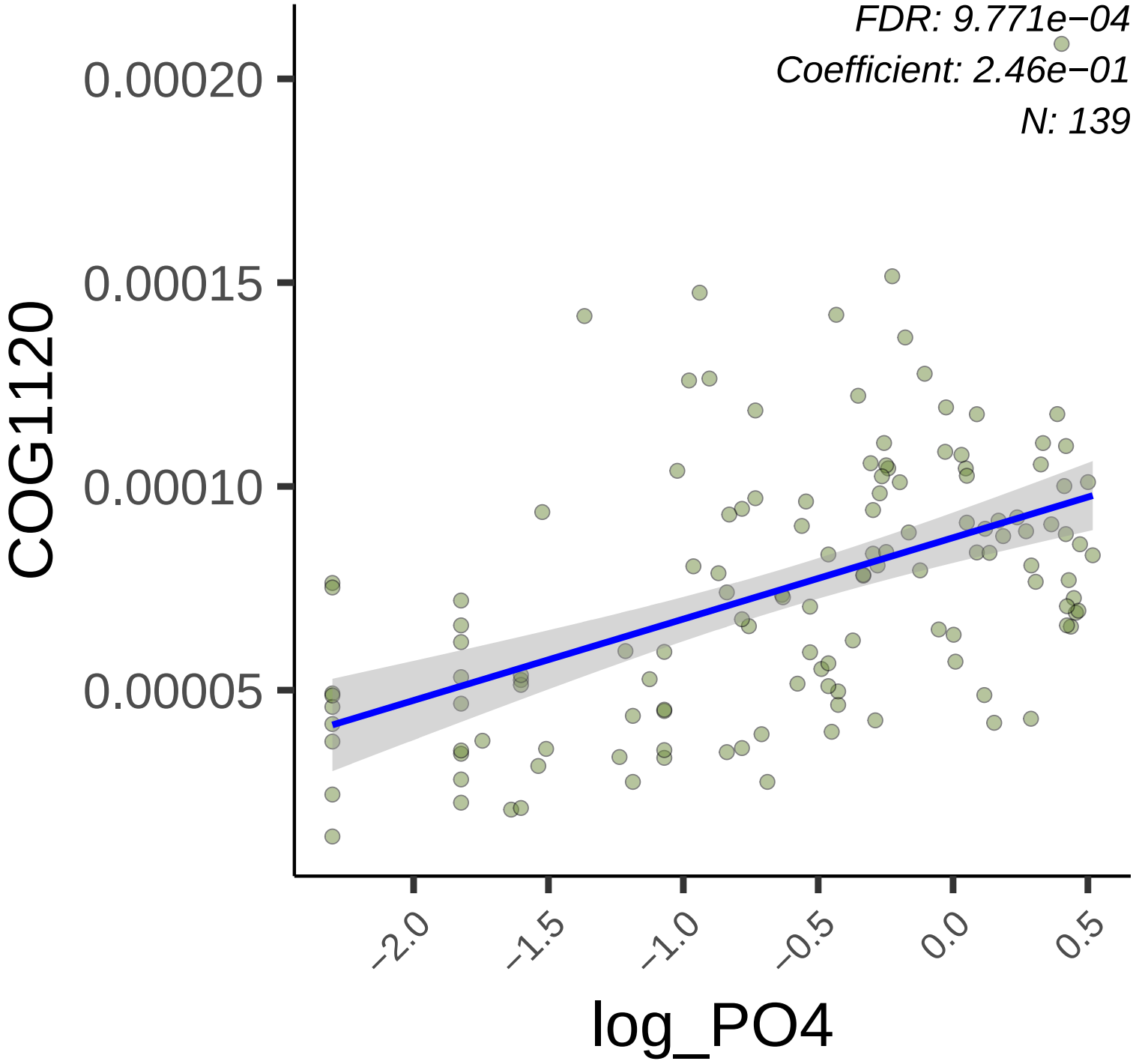
0.5
log_PO4


FDR: 9.771e−04
Coefficient: 2.46e−01
N: 139
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COG1120
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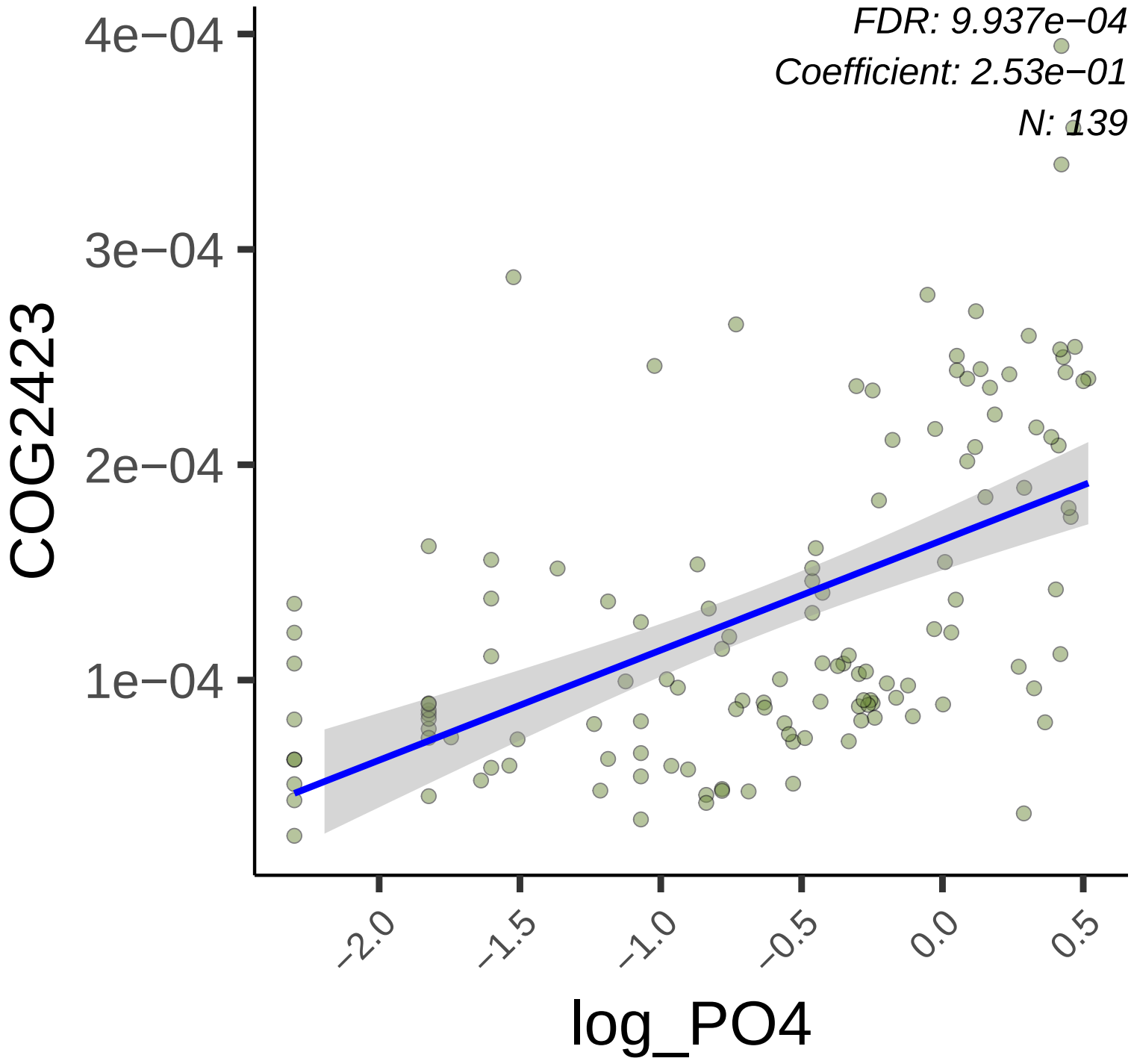
log_PO4


FDR: 9.937e−04
Coefficient: 2.53e−01
N: 139
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COG2423
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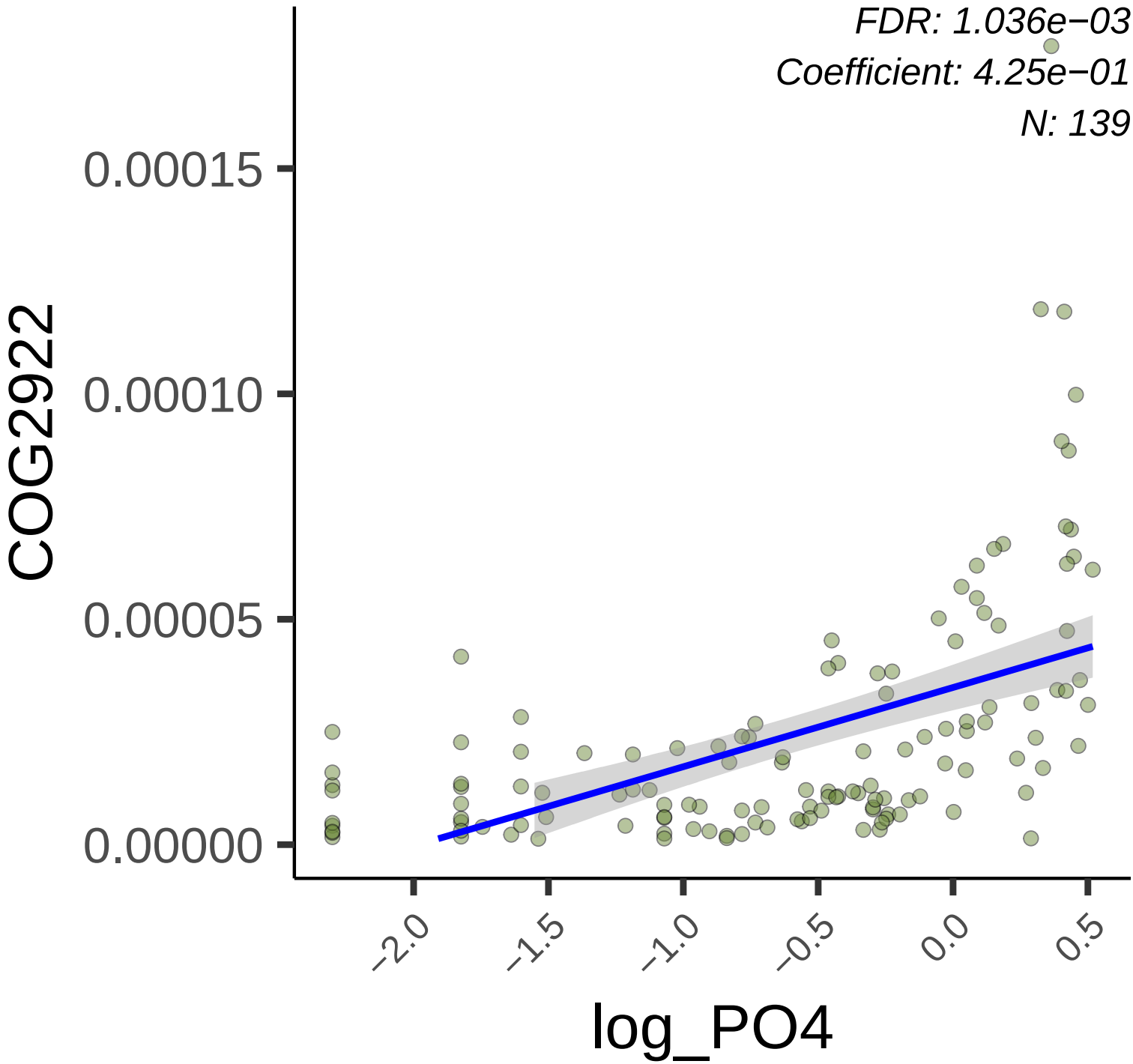
0.5
log_PO4


FDR: 1.036e−03
Coefficient: 4.25e−01
N: 139
COG2922
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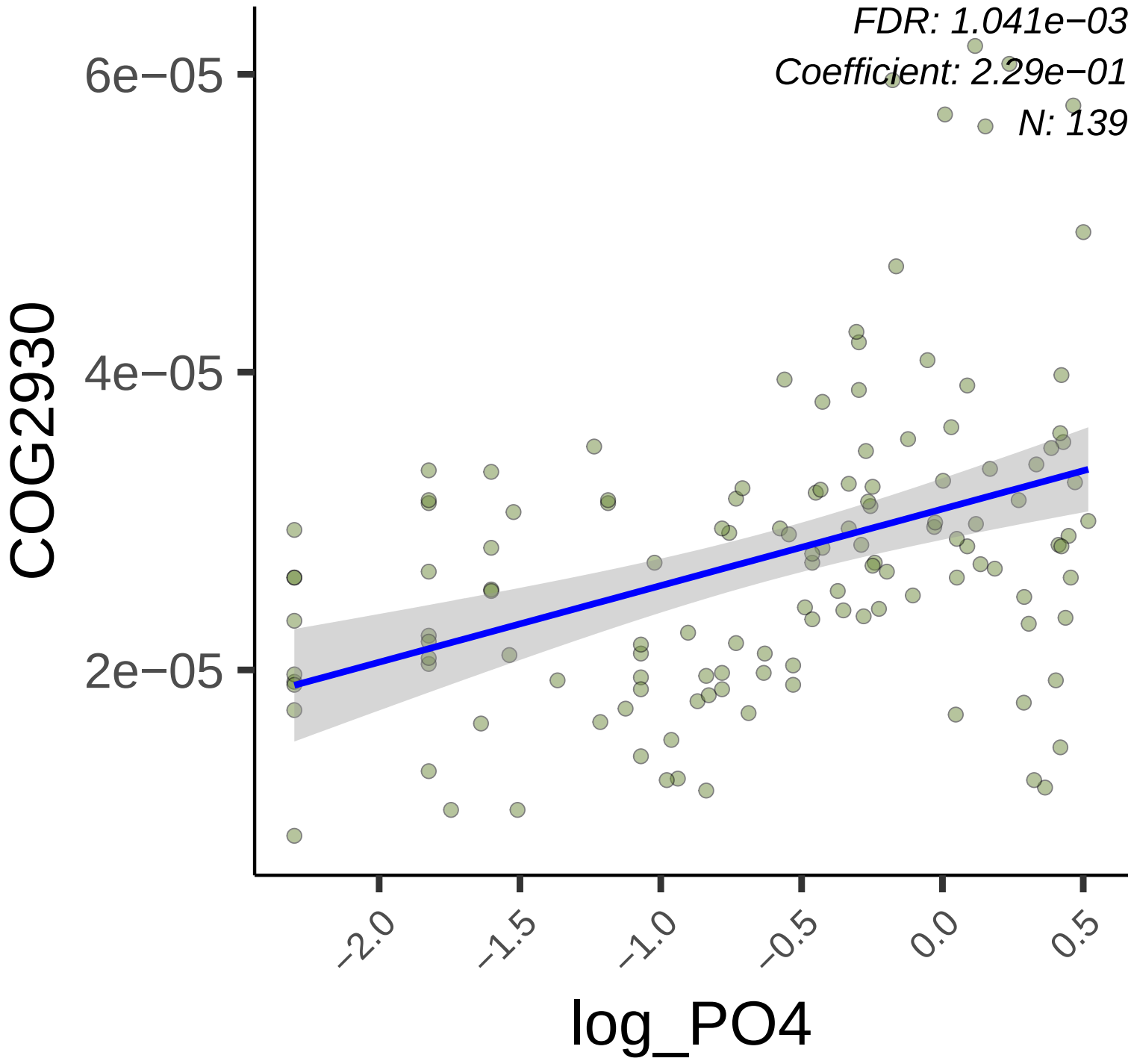
log_PO4


FDR: 1.041e−03
Coefficient: 2.29e−01
N: 139
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COG2930
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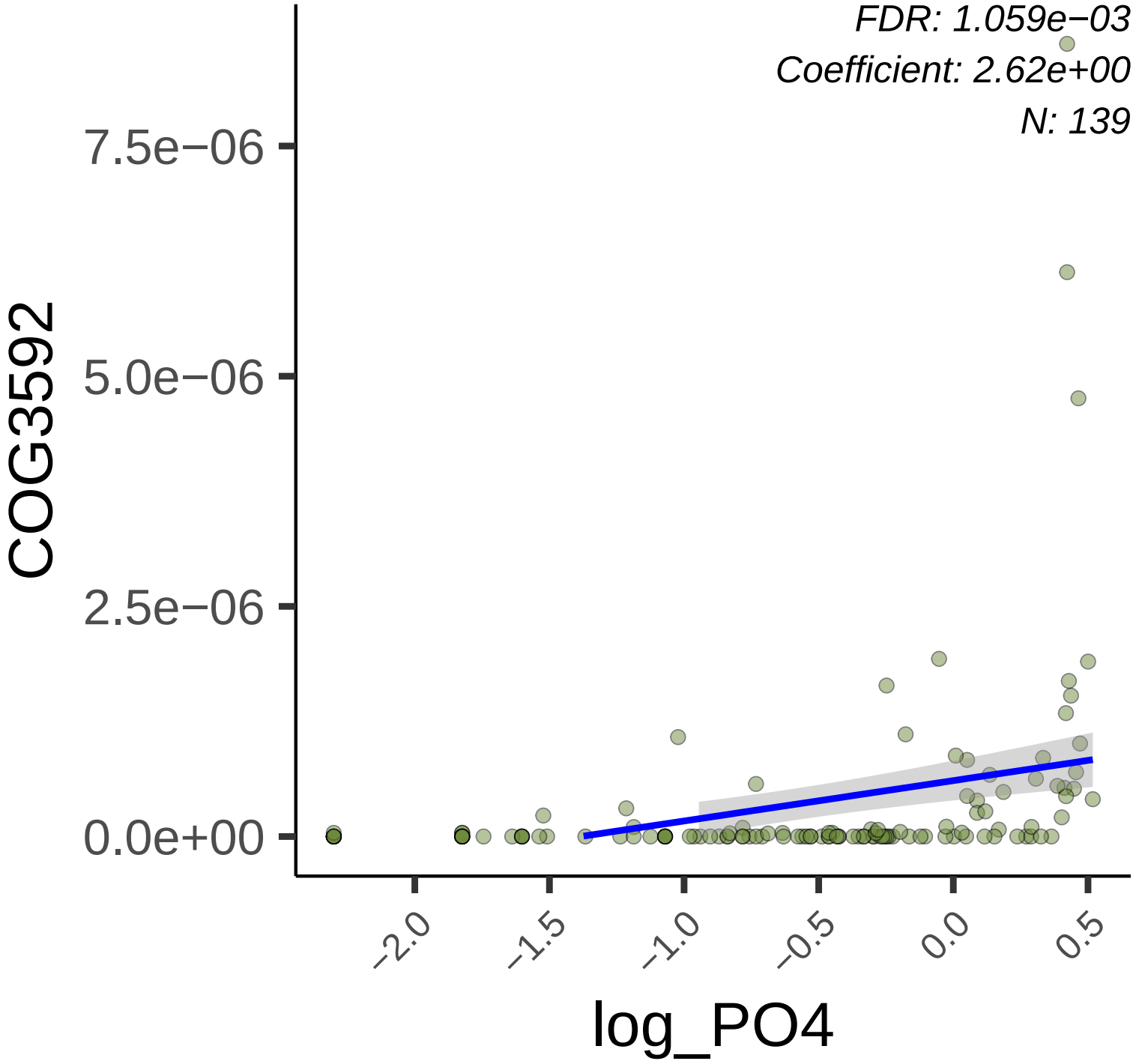
log_PO4


FDR: 1.059e−03
Coefficient: 2.62e+00
N: 139
COG3592
7.5e−06
5.0e−06
2.5e−06
0.0e+00
−2.0
−1.5
−1.0
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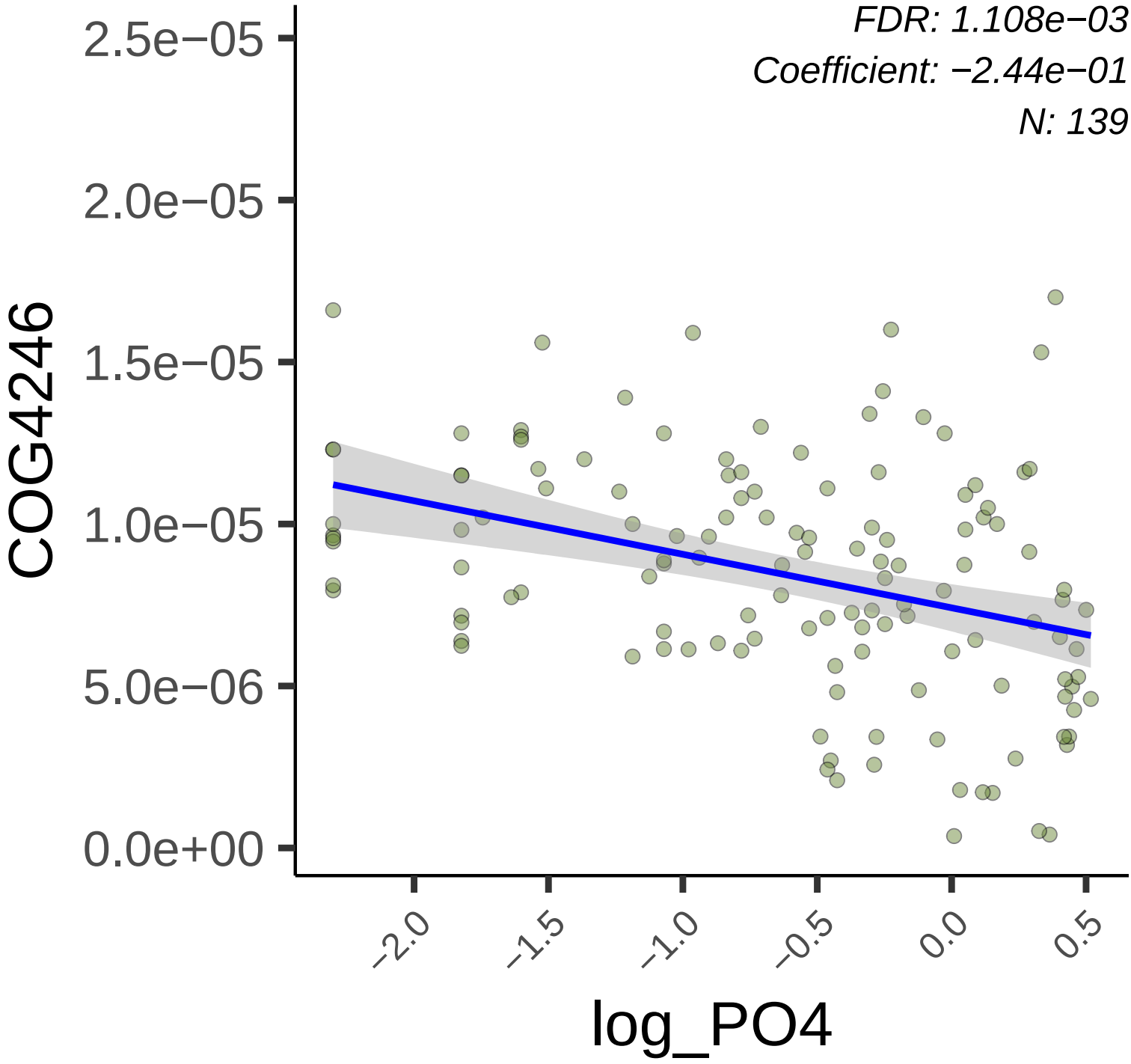
0.0
0.5
log_PO4


FDR: 1.108e−03
Coefficient: −2.44e−01
N: 139
COG4246
2.5e−05
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
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−1.5
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0.0
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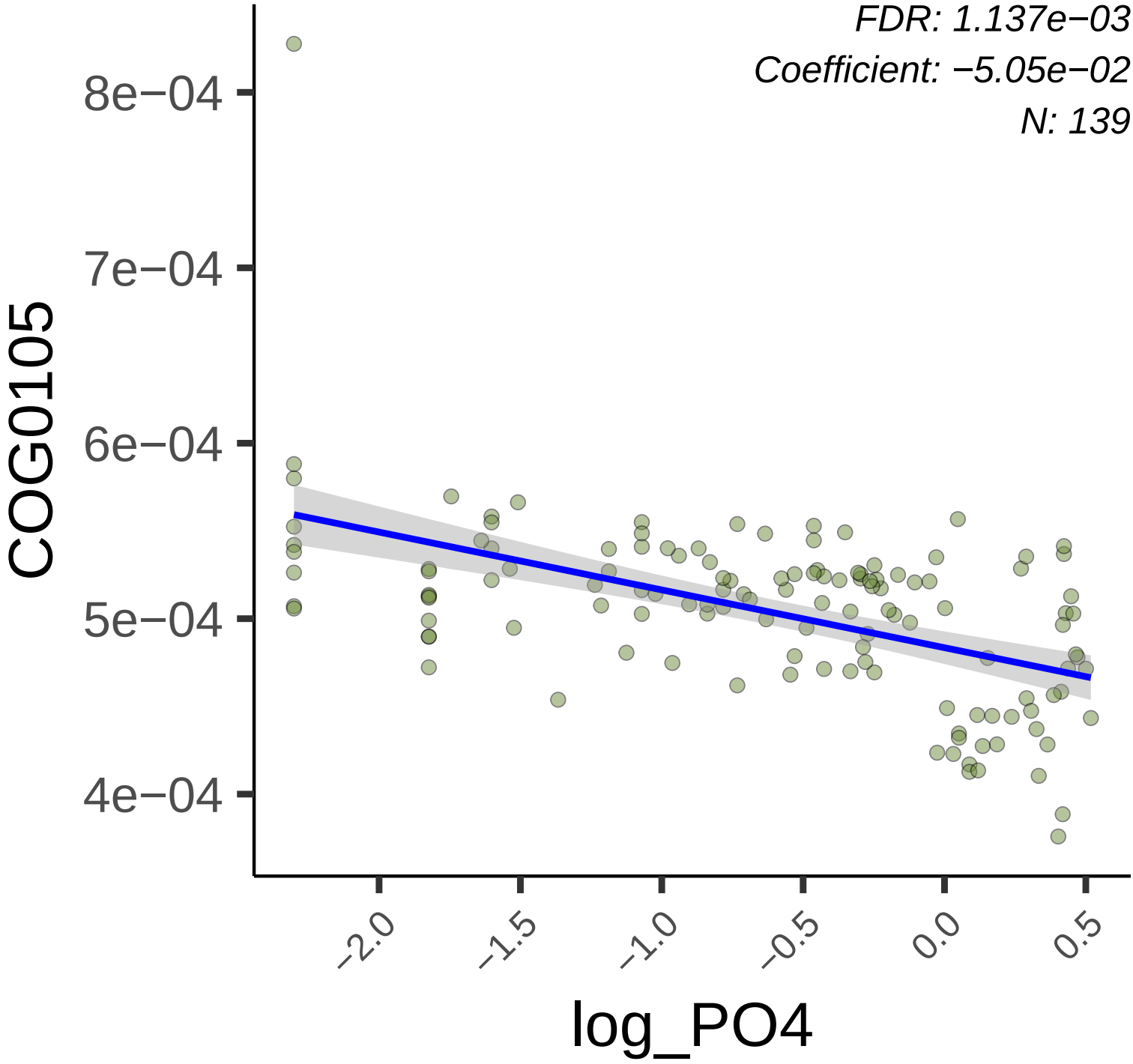
log_PO4


FDR: 1.137e−03
Coefficient: −5.05e−02
N: 139
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7e−04
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COG0105
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−1.5
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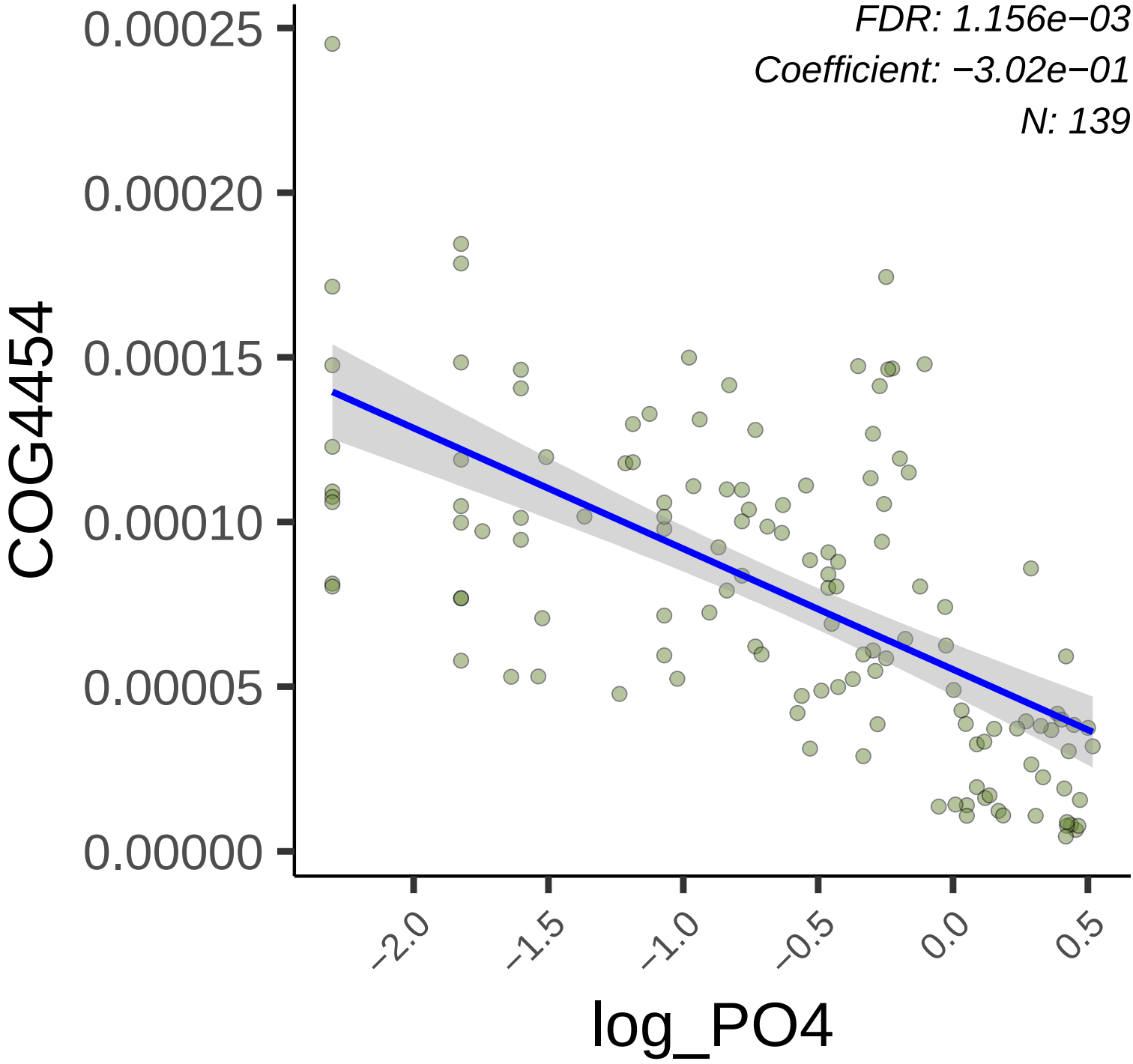
log_PO4


FDR: 1.156e−03
Coefficient: −3.02e−01
N: 139
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0.00015
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COG4454
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−1.5
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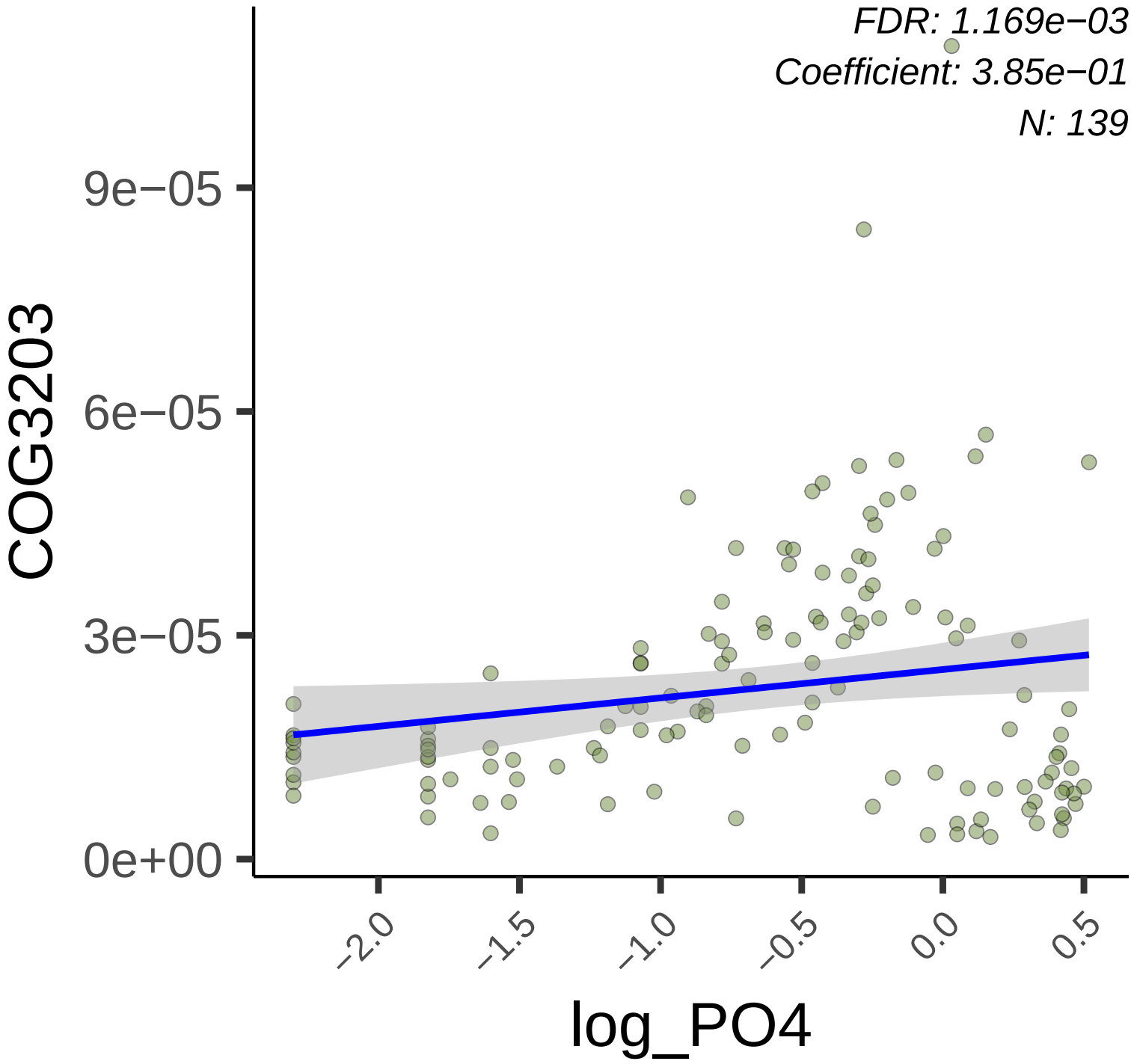
log_PO4


FDR: 1.169e−03
Coefficient: 3.85e−01
N: 139
COG3203
9e−05
6e−05
3e−05
0e+00
−2.0
−1.5
−1.0
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0.0
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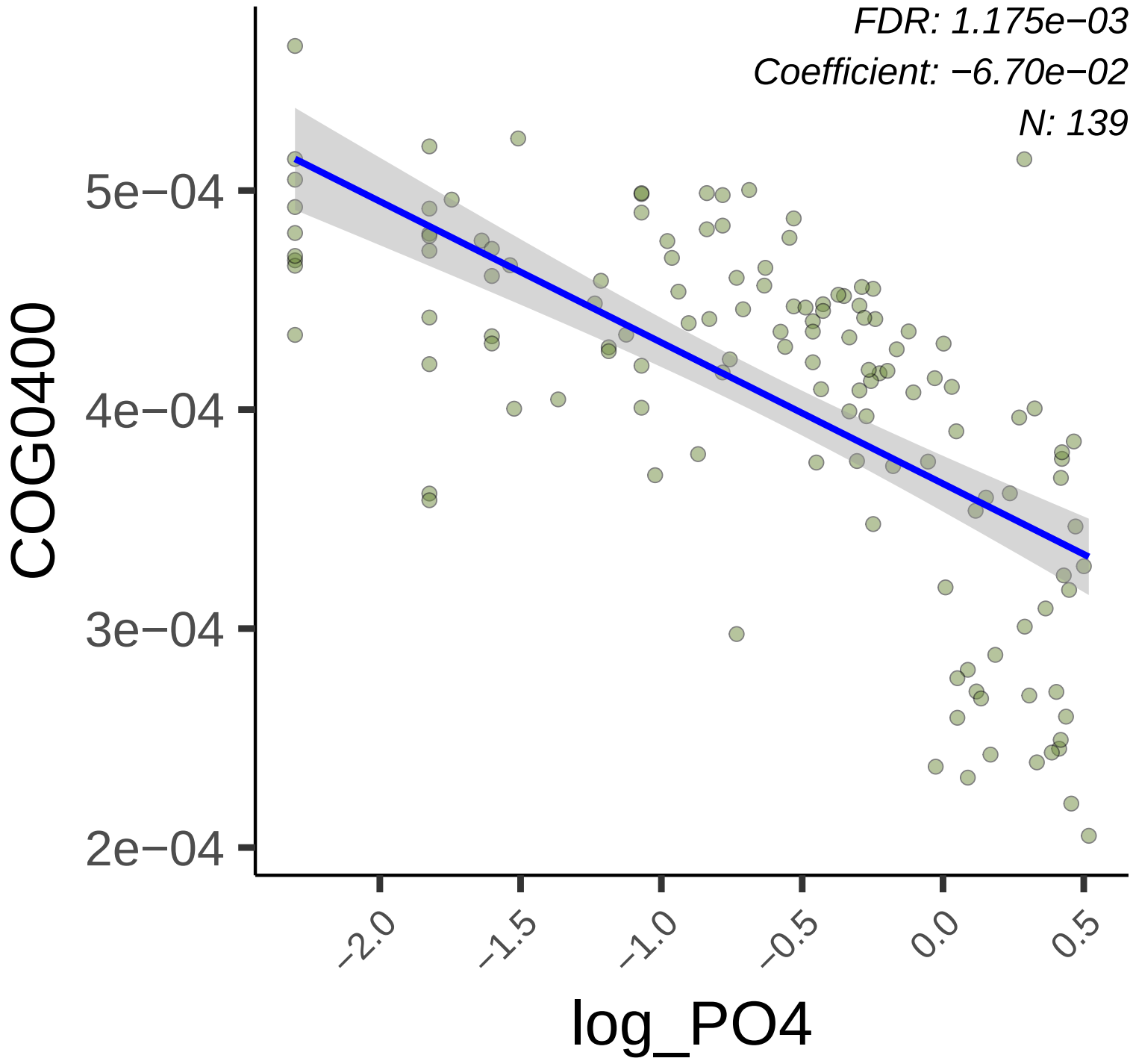
log_PO4


FDR: 1.175e−03
Coefficient: −6.70e−02
N: 139
COG0400
5e−04
4e−04
3e−04
2e−04
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−1.5
−1.0
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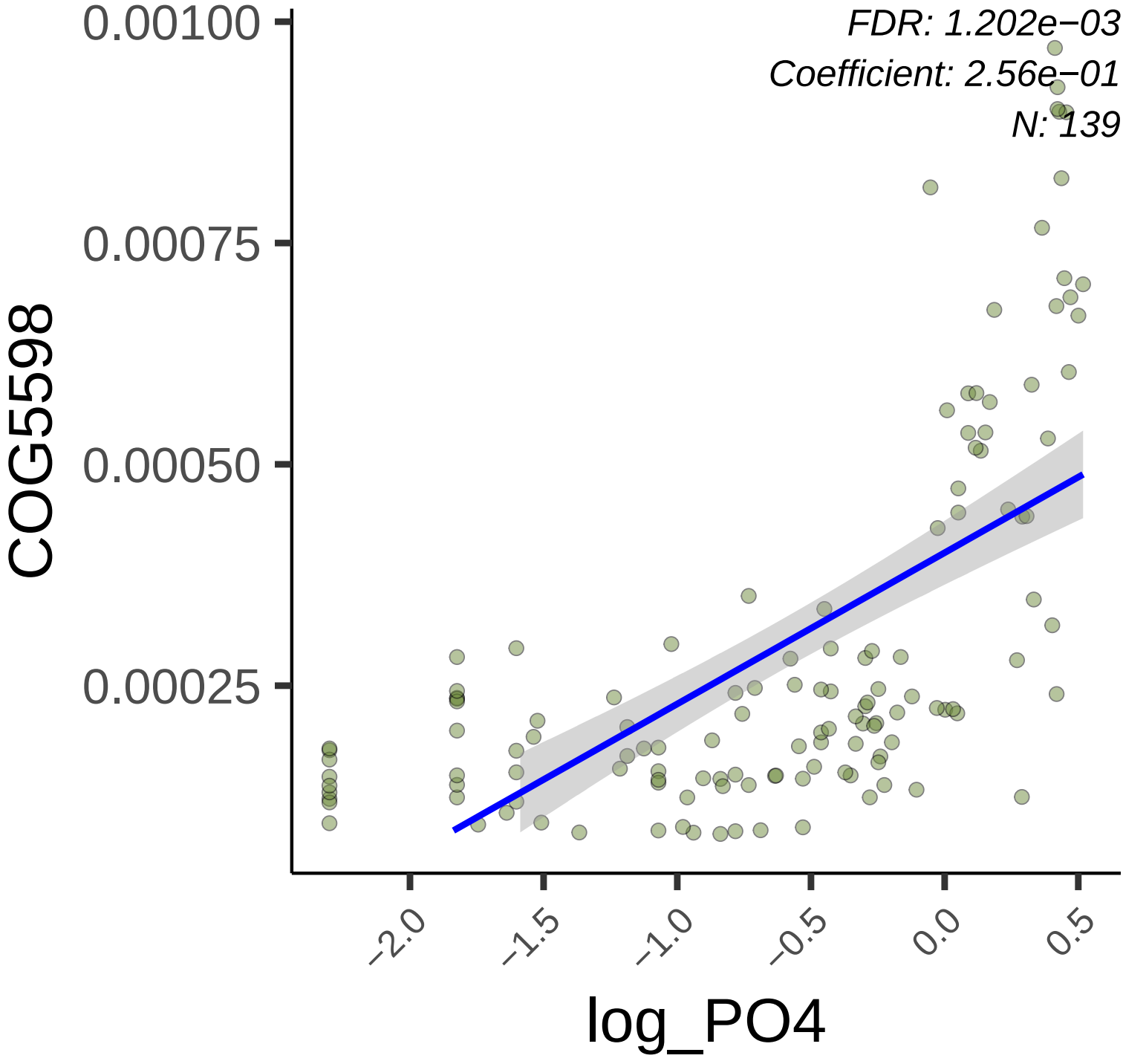
log_PO4


FDR: 1.202e−03
Coefficient: 2.56e−01
N: 139
0.00100
0.00075
0.00050
0.00025
COG5598
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−1.5
−1.0
−0.5
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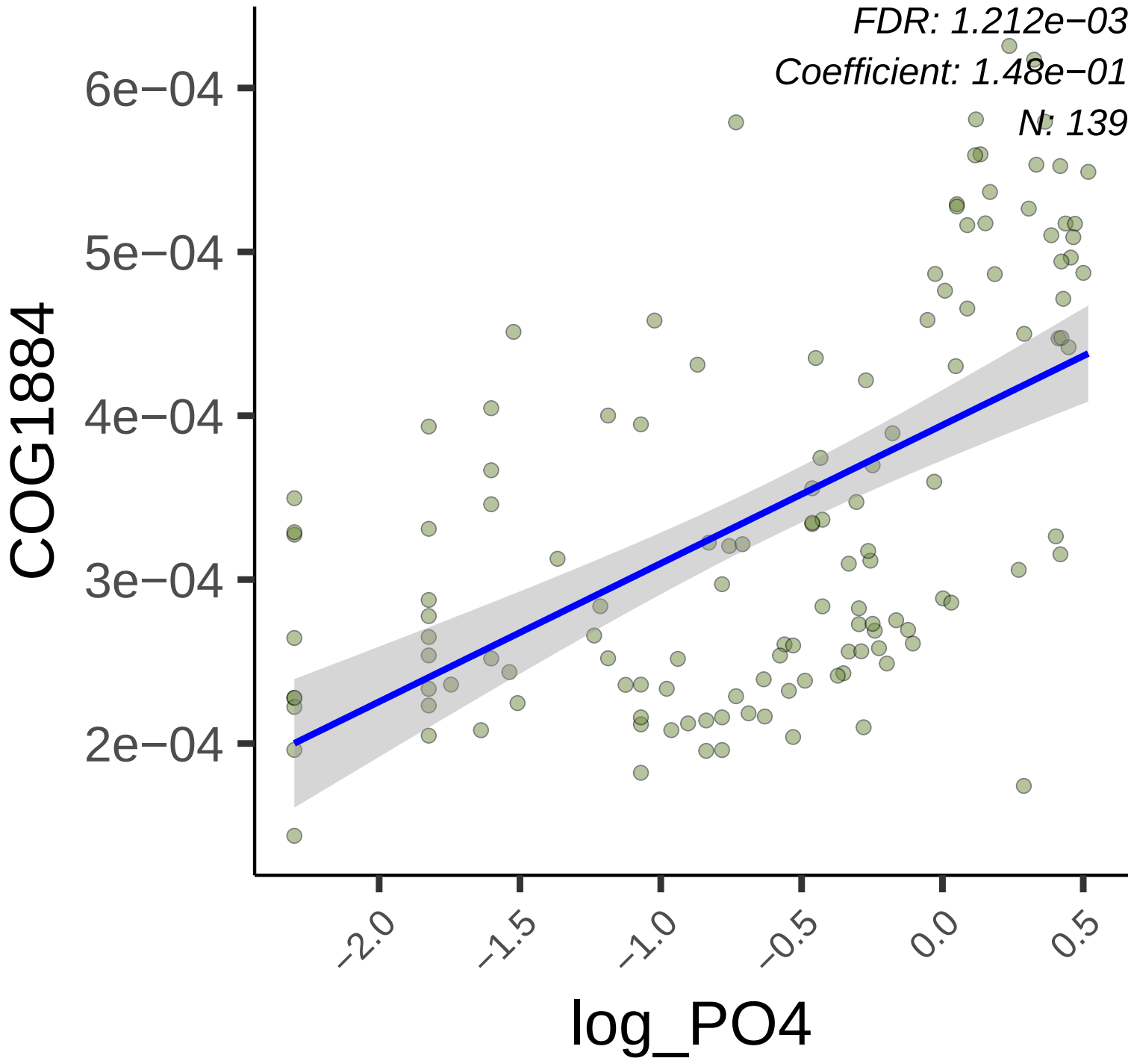
log_PO4


FDR: 1.212e−03
Coefficient: 1.48e−01
N: 139
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5e−04
4e−04
3e−04
2e−04
COG1884
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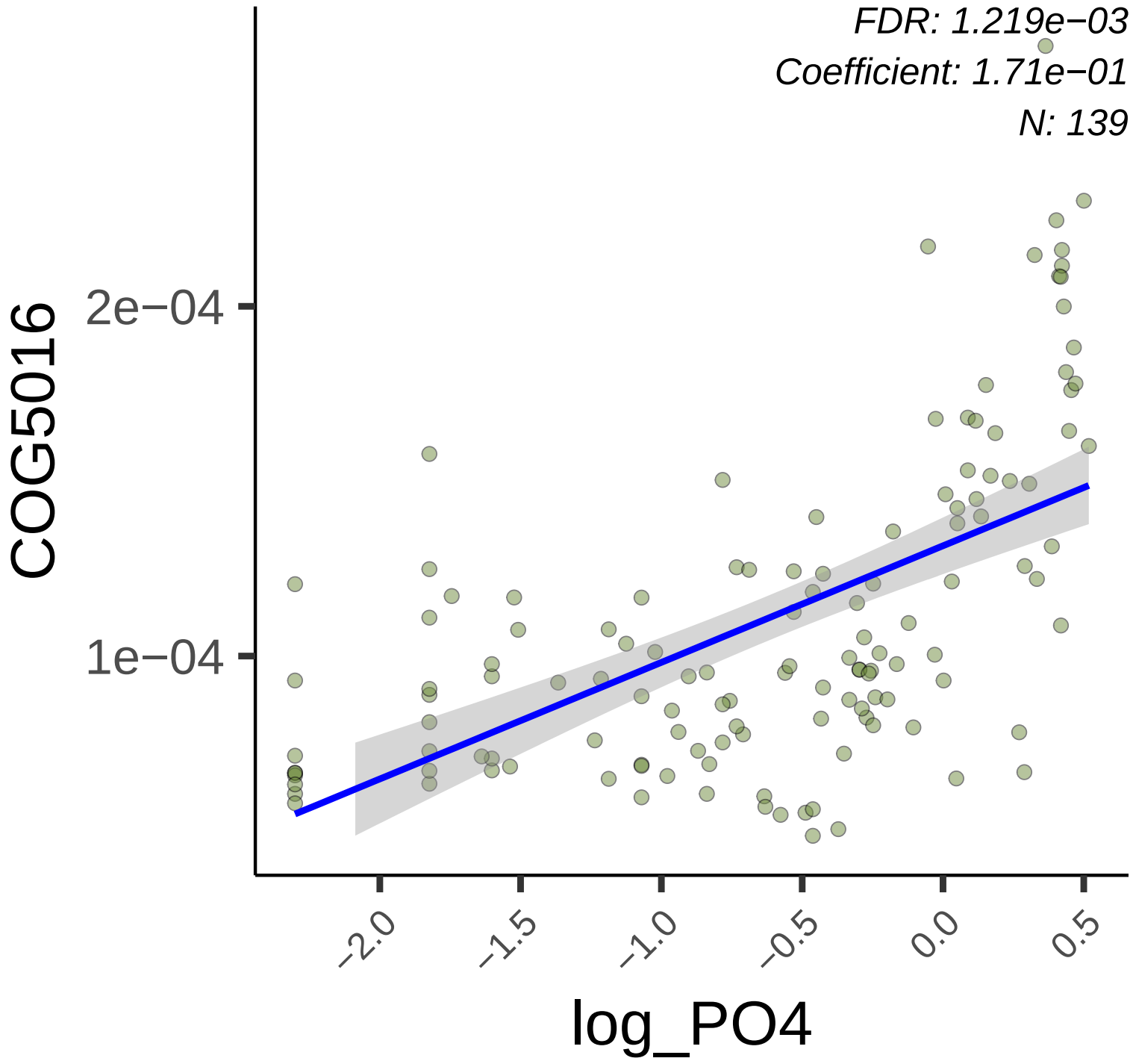
log_PO4


FDR: 1.219e−03
Coefficient: 1.71e−01
N: 139
COG5016
2e−04
1e−04
−2.0
−1.5
−1.0
−0.5
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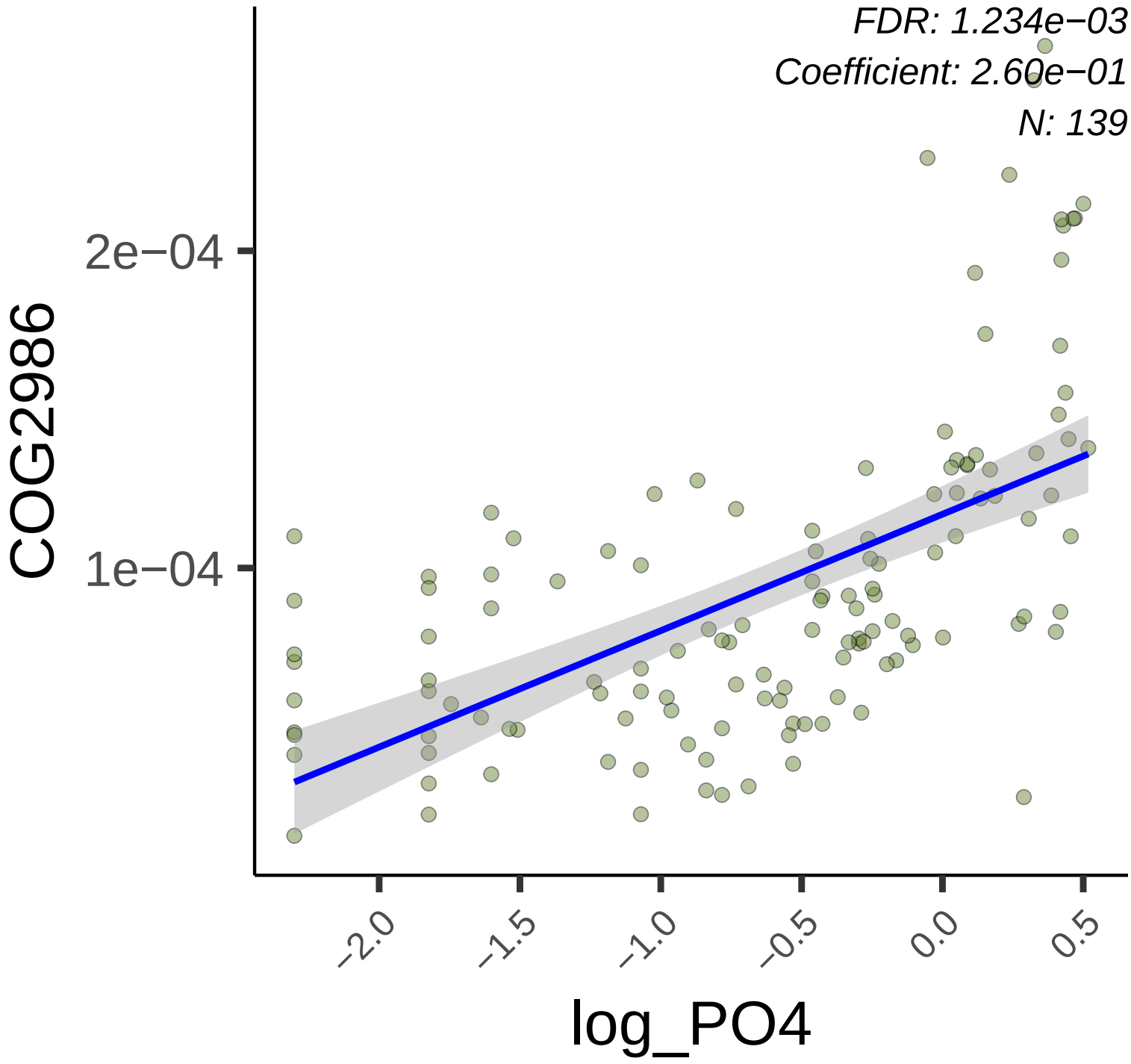
log_PO4


FDR: 1.234e−03
Coefficient: 2.60e−01
N: 139
COG2986
2e−04
1e−04
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−1.5
−1.0
−0.5
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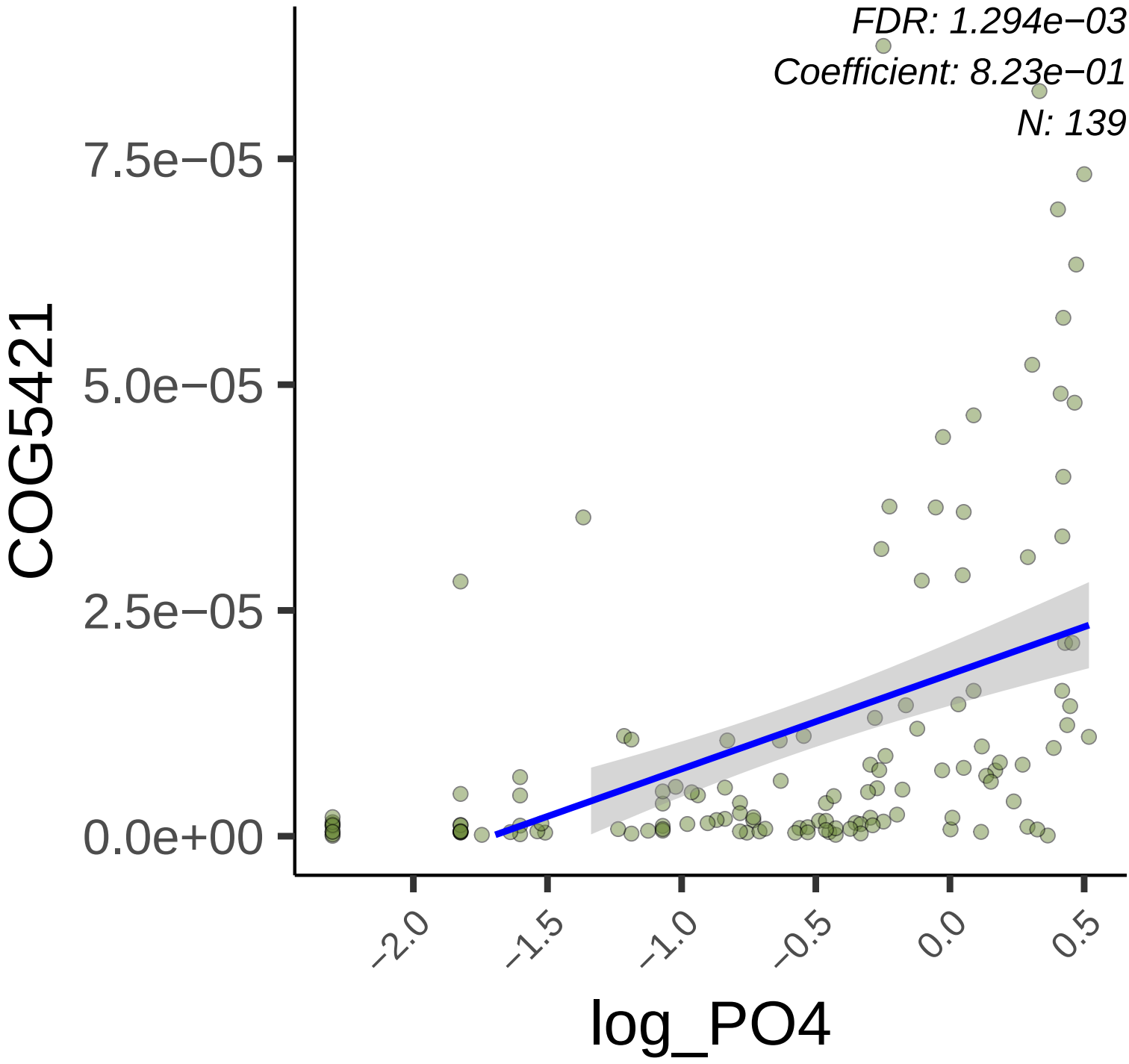
log_PO4


FDR: 1.294e−03
Coefficient: 8.23e−01
N: 139
COG5421
7.5e−05
5.0e−05
2.5e−05
0.0e+00
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−1.5
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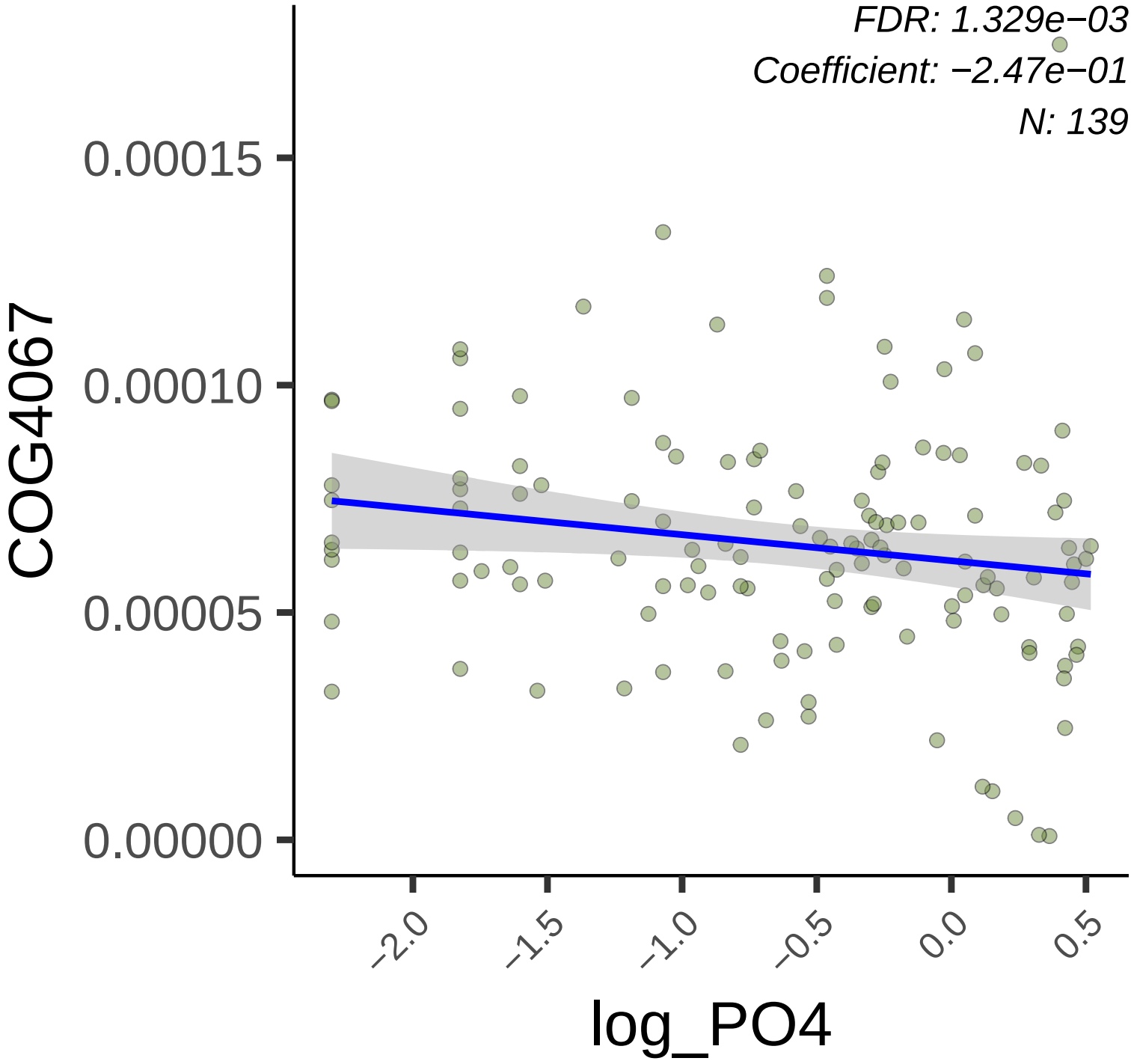
log_PO4


FDR: 1.329e−03
Coefficient: −2.47e−01
N: 139
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COG4067
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−1.5
−1.0
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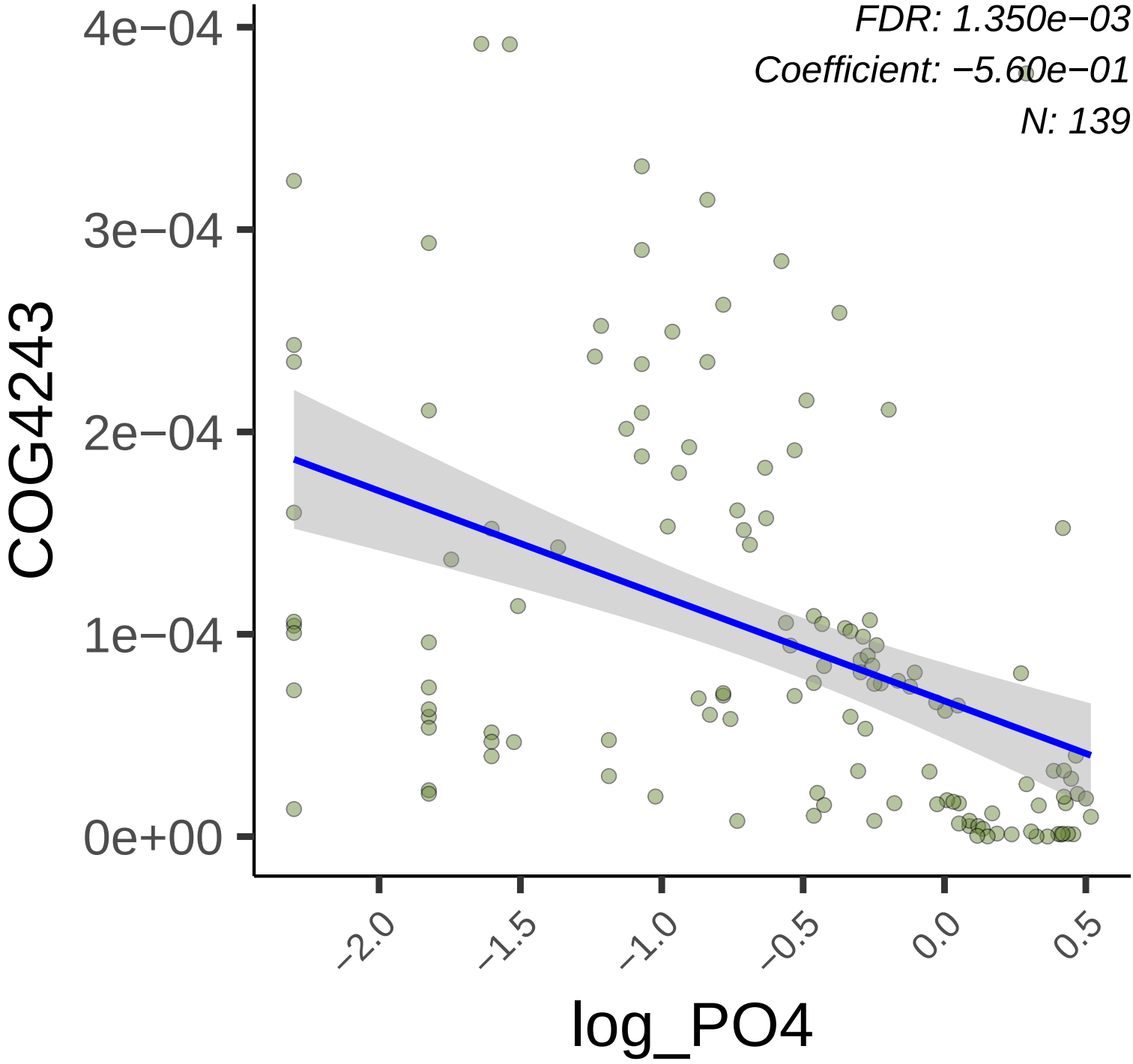
log_PO4


FDR: 1.350e−03
Coefficient: −5.60e−01
N: 139
COG4243
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3e−04
2e−04
1e−04
0e+00
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−1.5
−1.0
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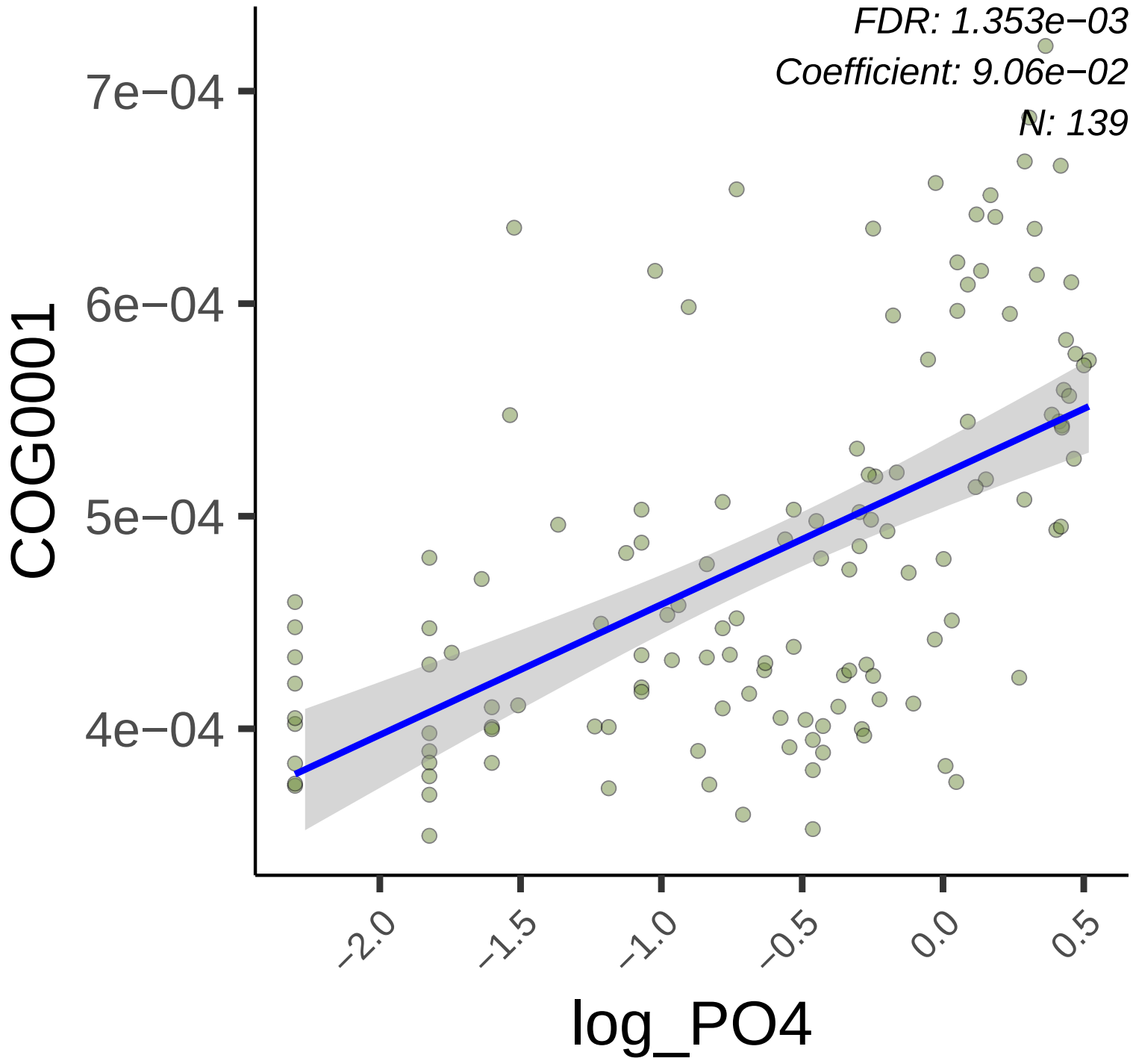
log_PO4


FDR: 1.353e−03
Coefficient: 9.06e−02
N: 139
7e−04
6e−04
5e−04
4e−04
COG0001
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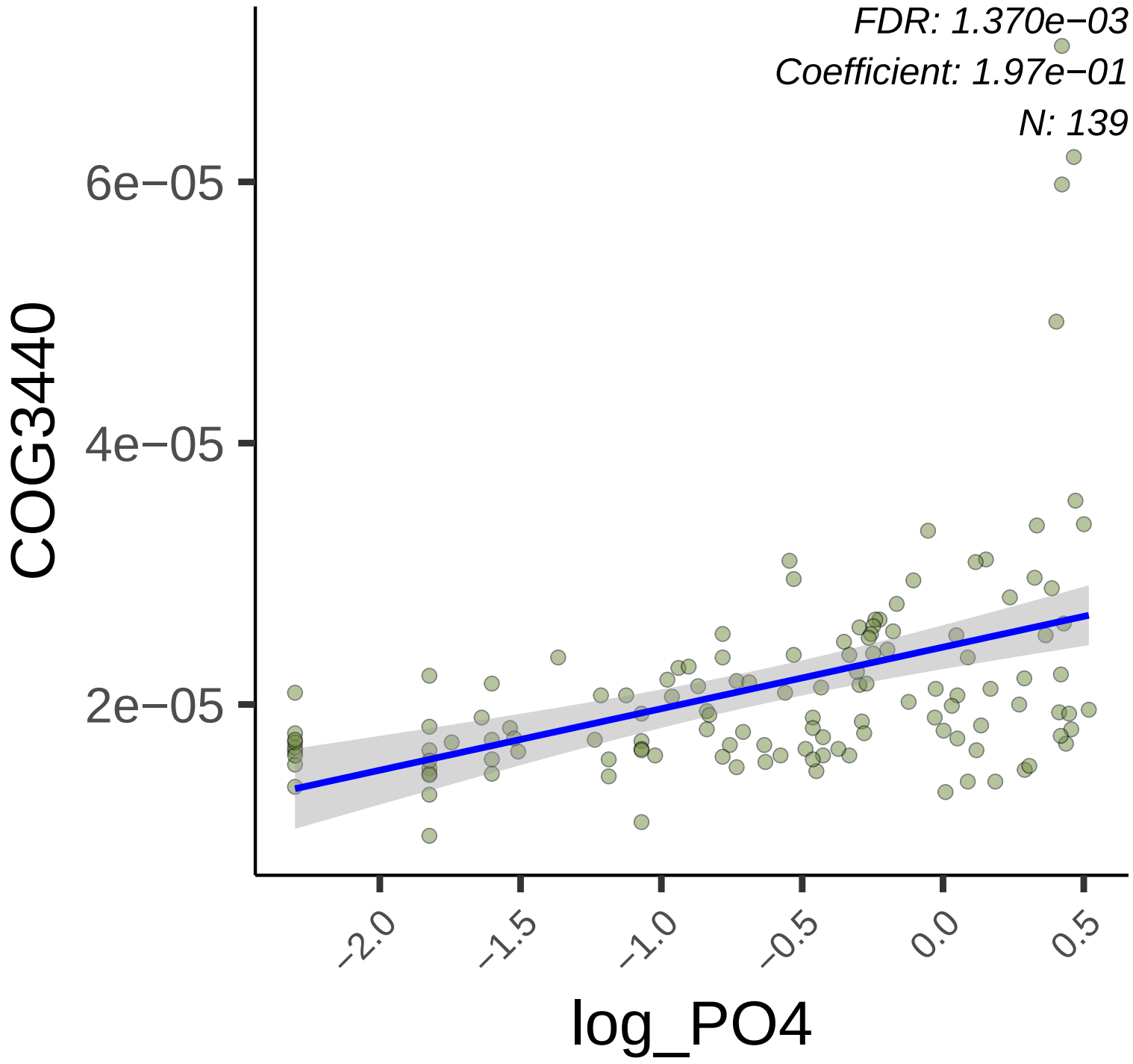
log_PO4


FDR: 1.370e−03
Coefficient: 1.97e−01
N: 139
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2e−05
COG3440
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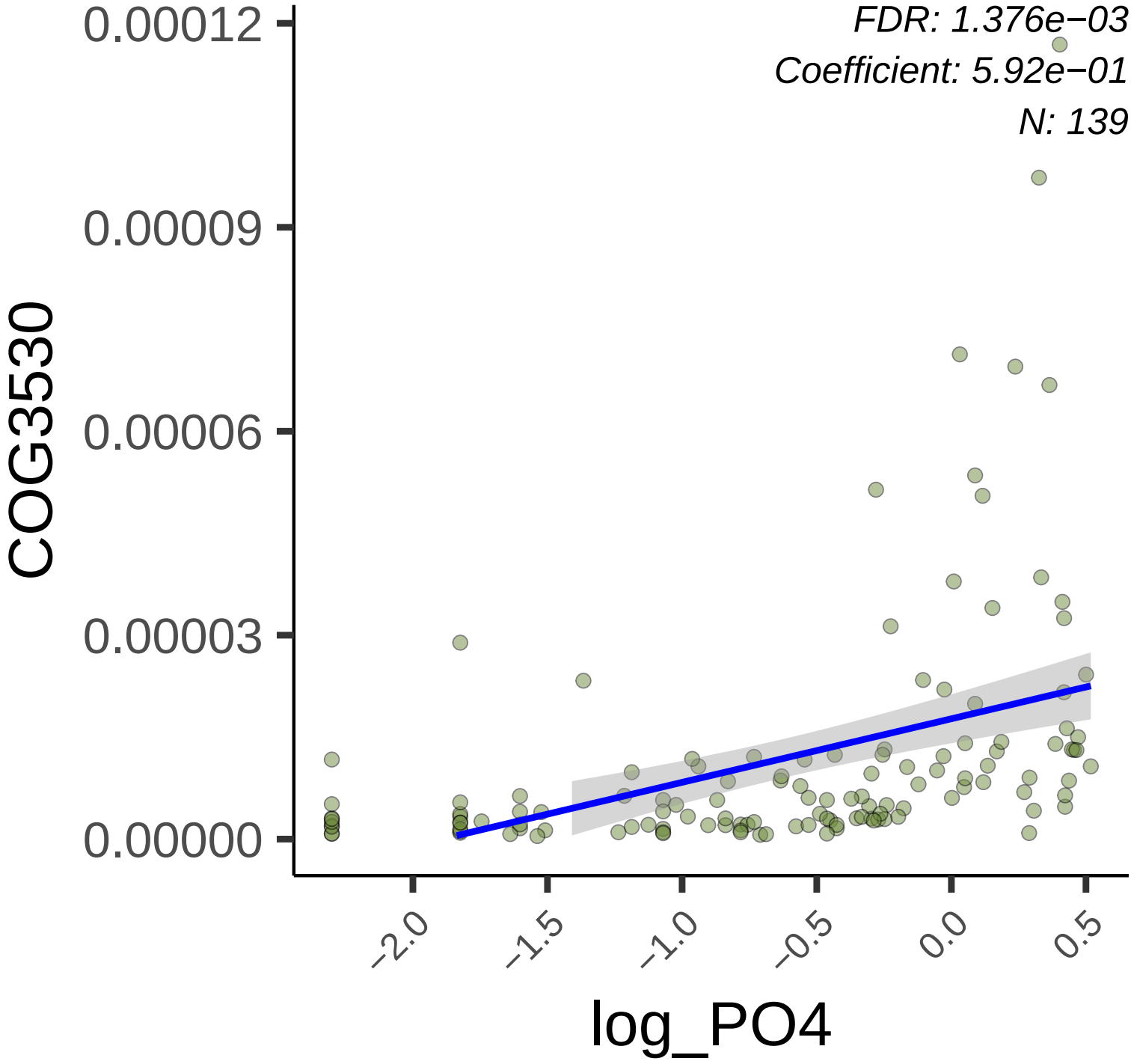
log_PO4


FDR: 1.376e−03
Coefficient: 5.92e−01
N: 139
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0.00009
0.00006
0.00003
0.00000
COG3530
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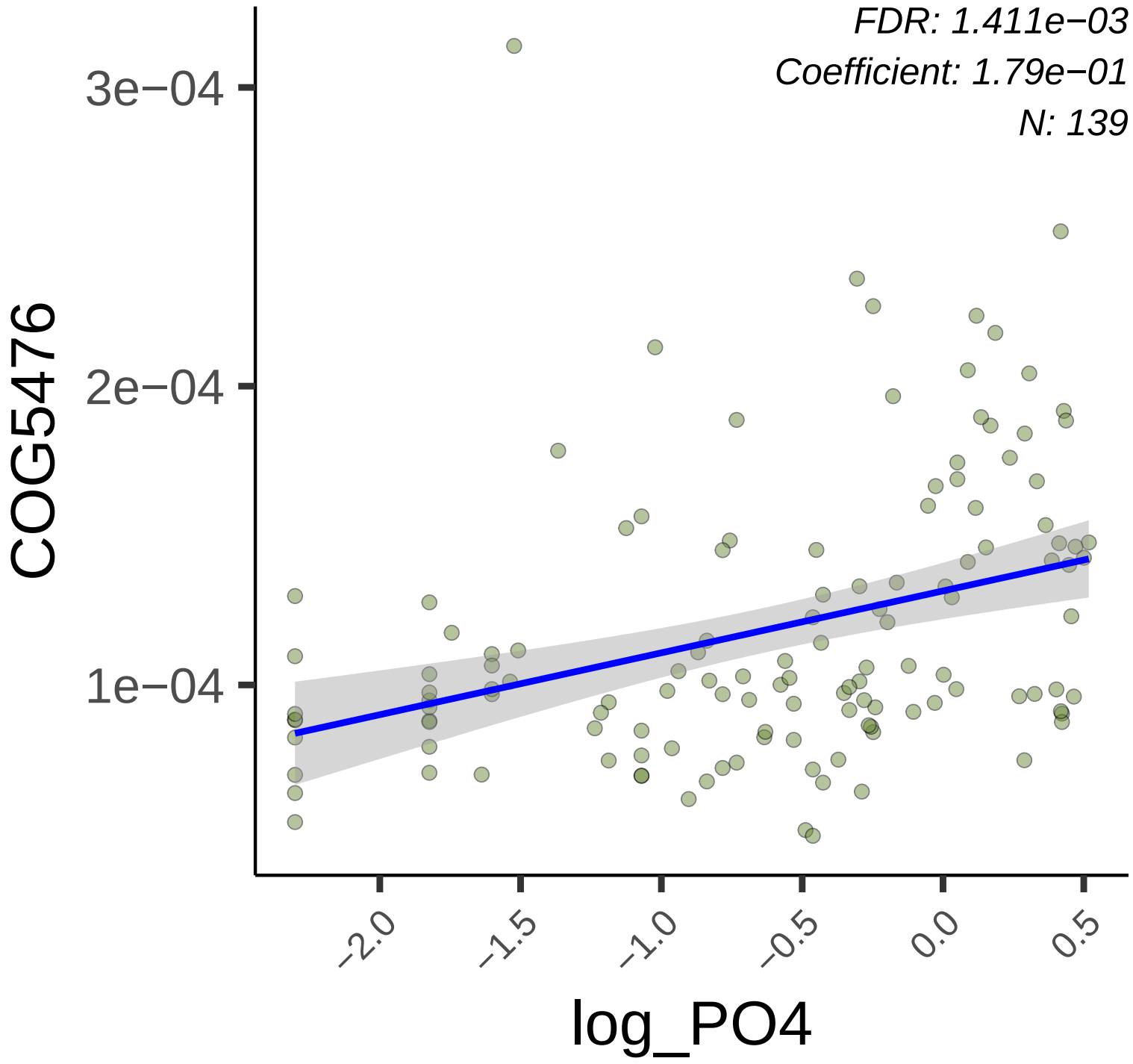
log_PO4


FDR: 1.411e−03
Coefficient: 1.79e−01
N: 139
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2e−04
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COG5476
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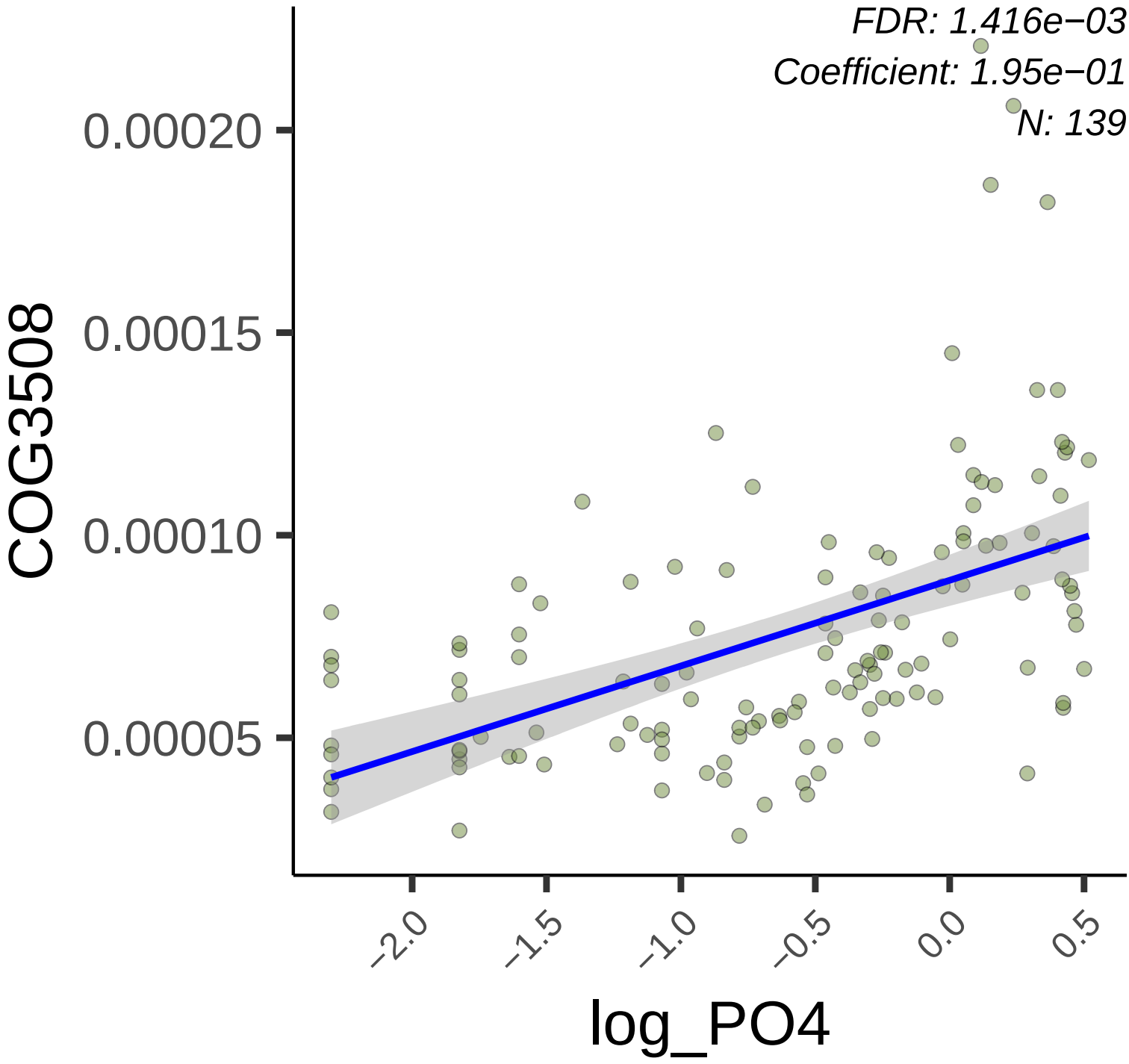
log_PO4


FDR: 1.416e−03
Coefficient: 1.95e−01
N: 139
COG3508
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−1.5
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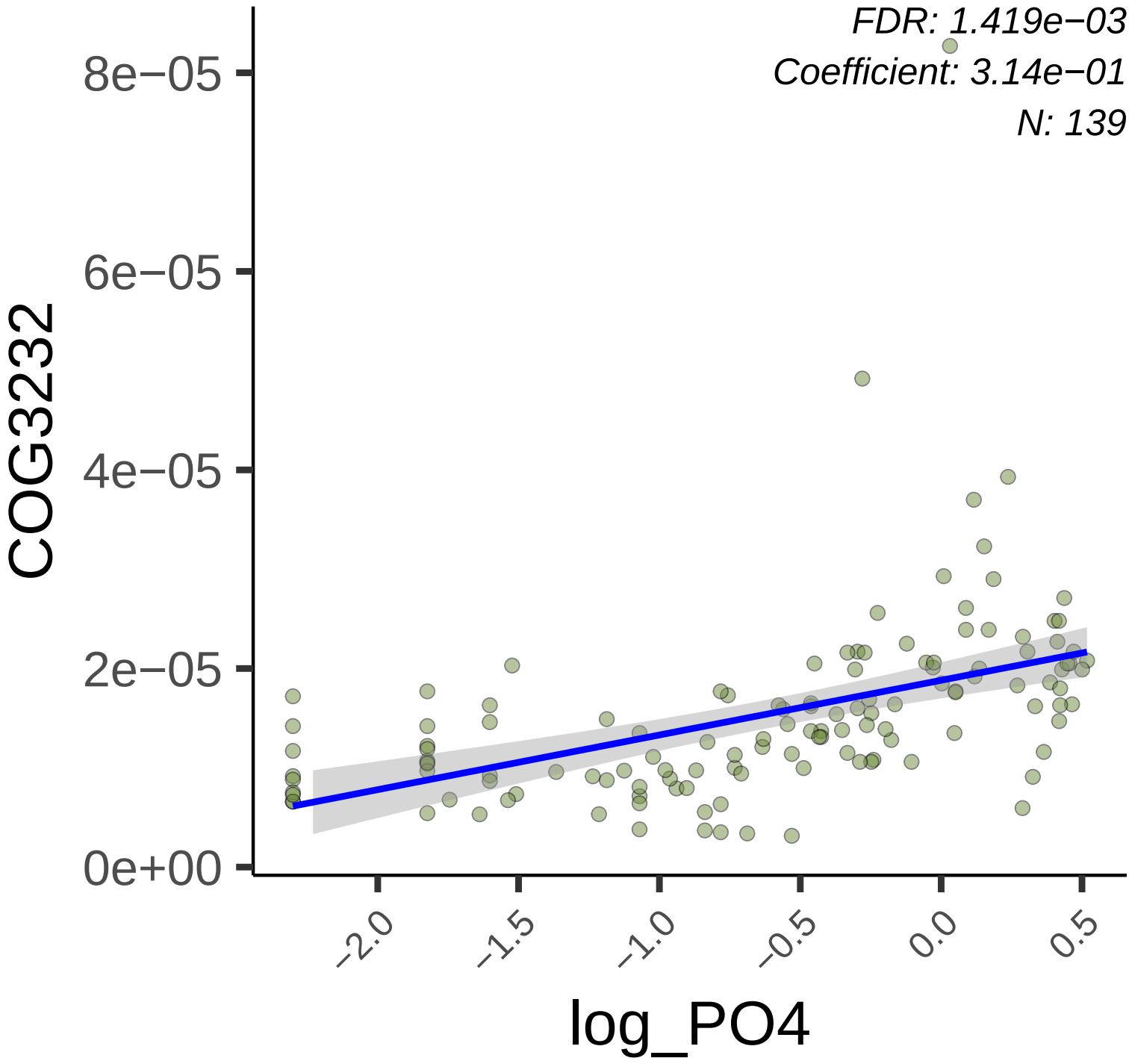
log_PO4


FDR: 1.419e−03
Coefficient: 3.14e−01
N: 139
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6e−05
4e−05
2e−05
0e+00
COG3232
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−1.5
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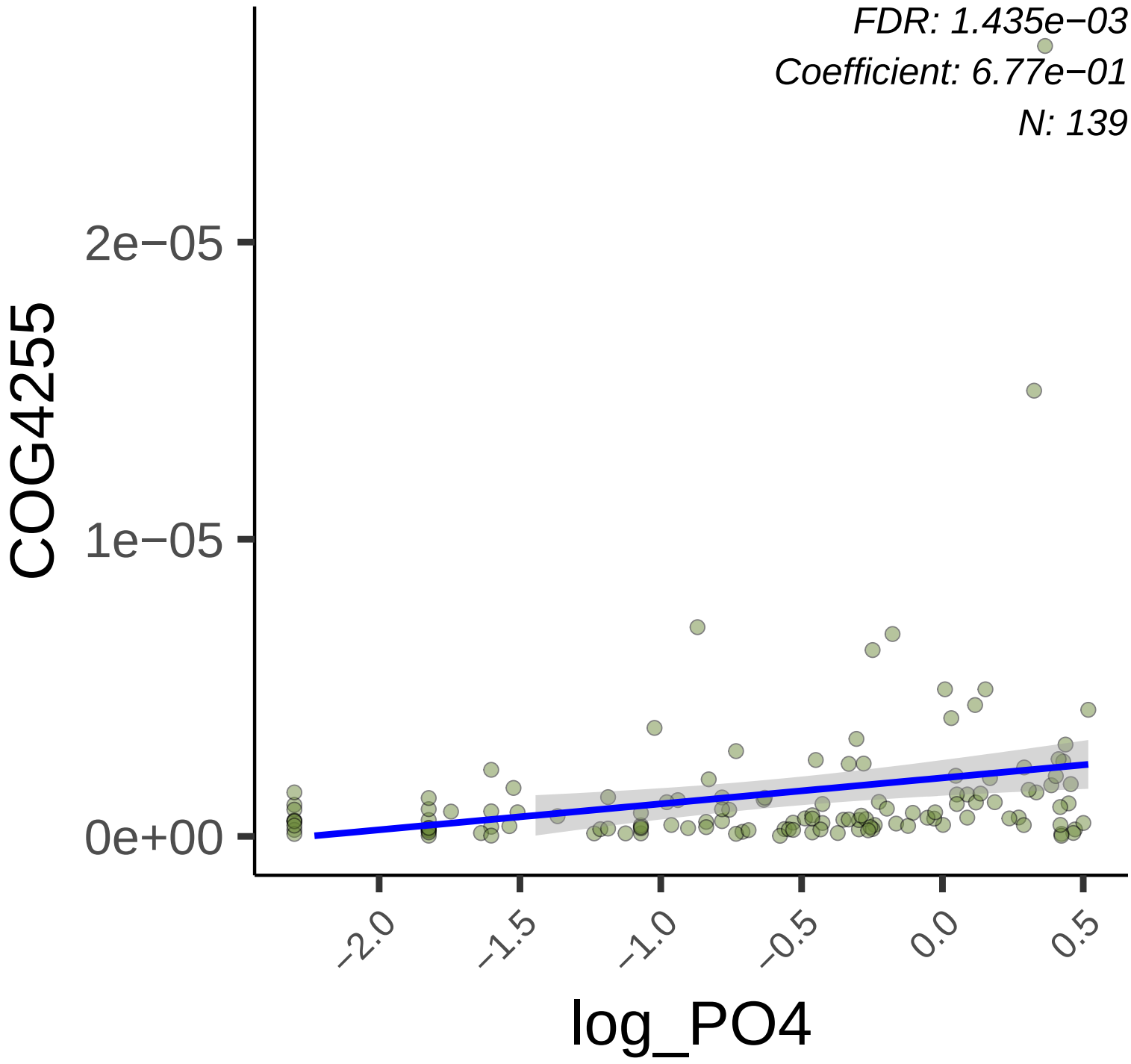
log_PO4


FDR: 1.435e−03
Coefficient: 6.77e−01
N: 139
COG4255
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1e−05
0e+00
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−1.5
−1.0
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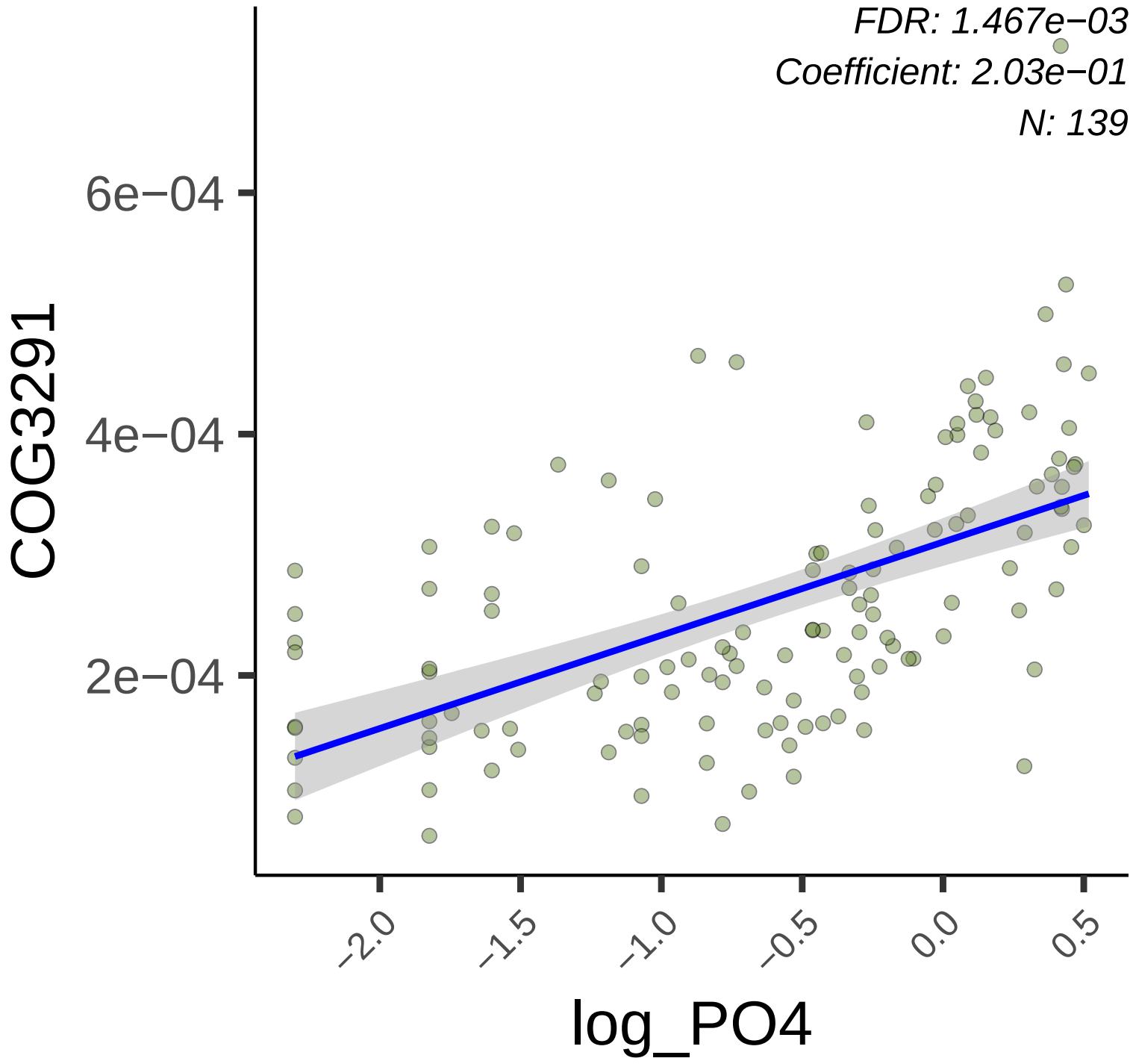
log_PO4


FDR: 1.467e−03
Coefficient: 2.03e−01
N: 139
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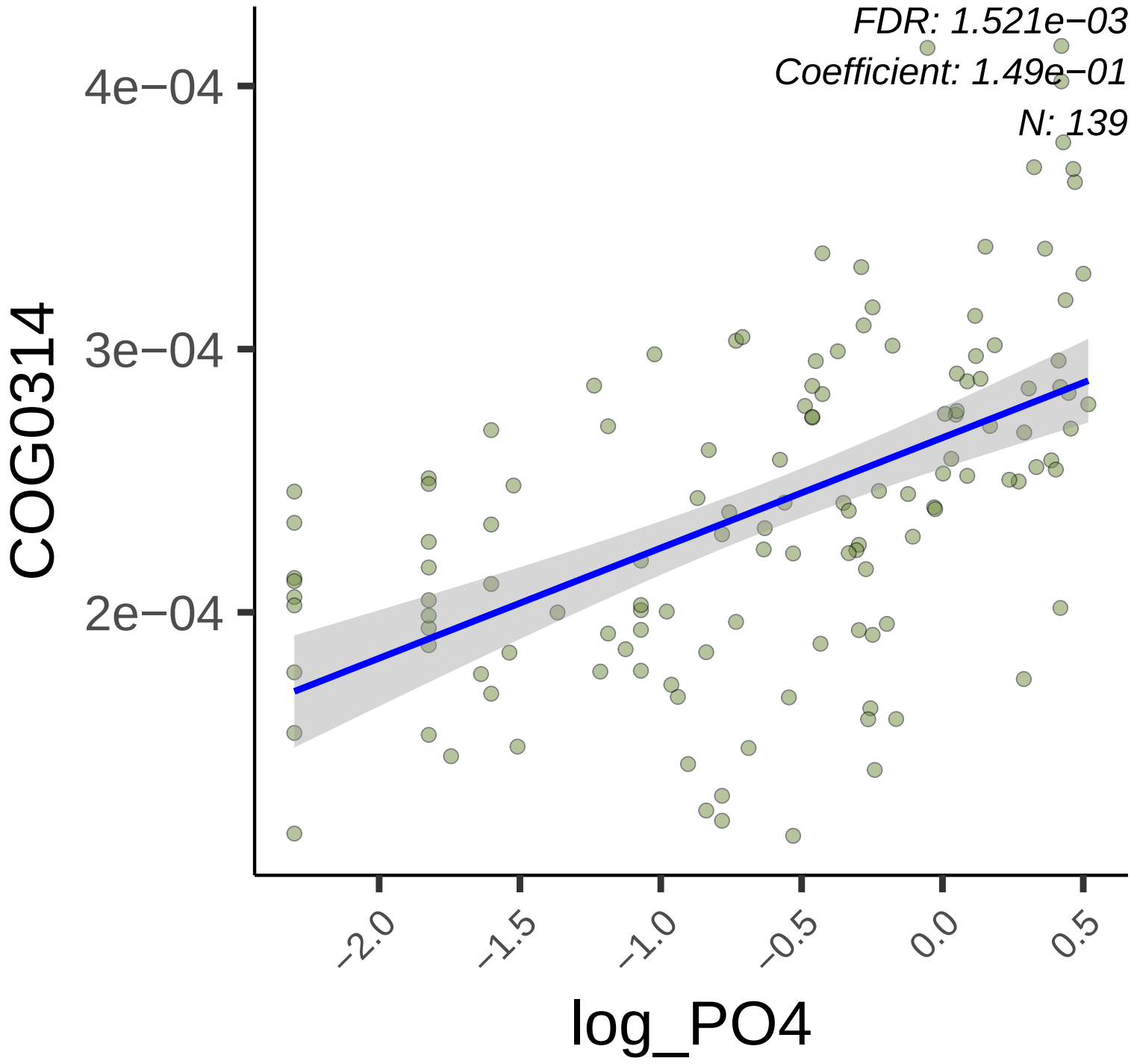
log_PO4


FDR: 1.521e−03
Coefficient: 1.49e−01
N: 139
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COG0314
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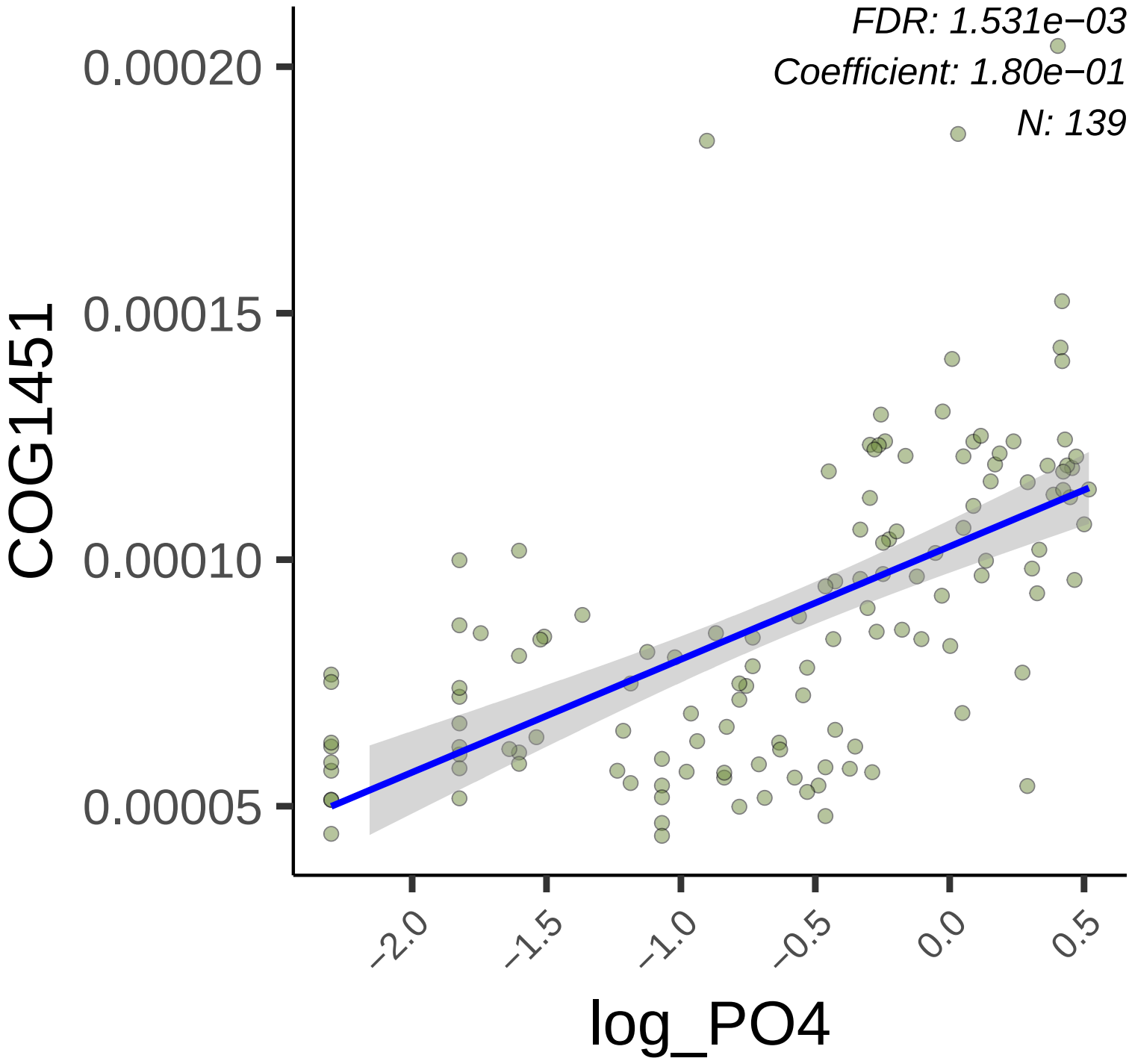
log_PO4


FDR: 1.531e−03
Coefficient: 1.80e−01
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COG1451
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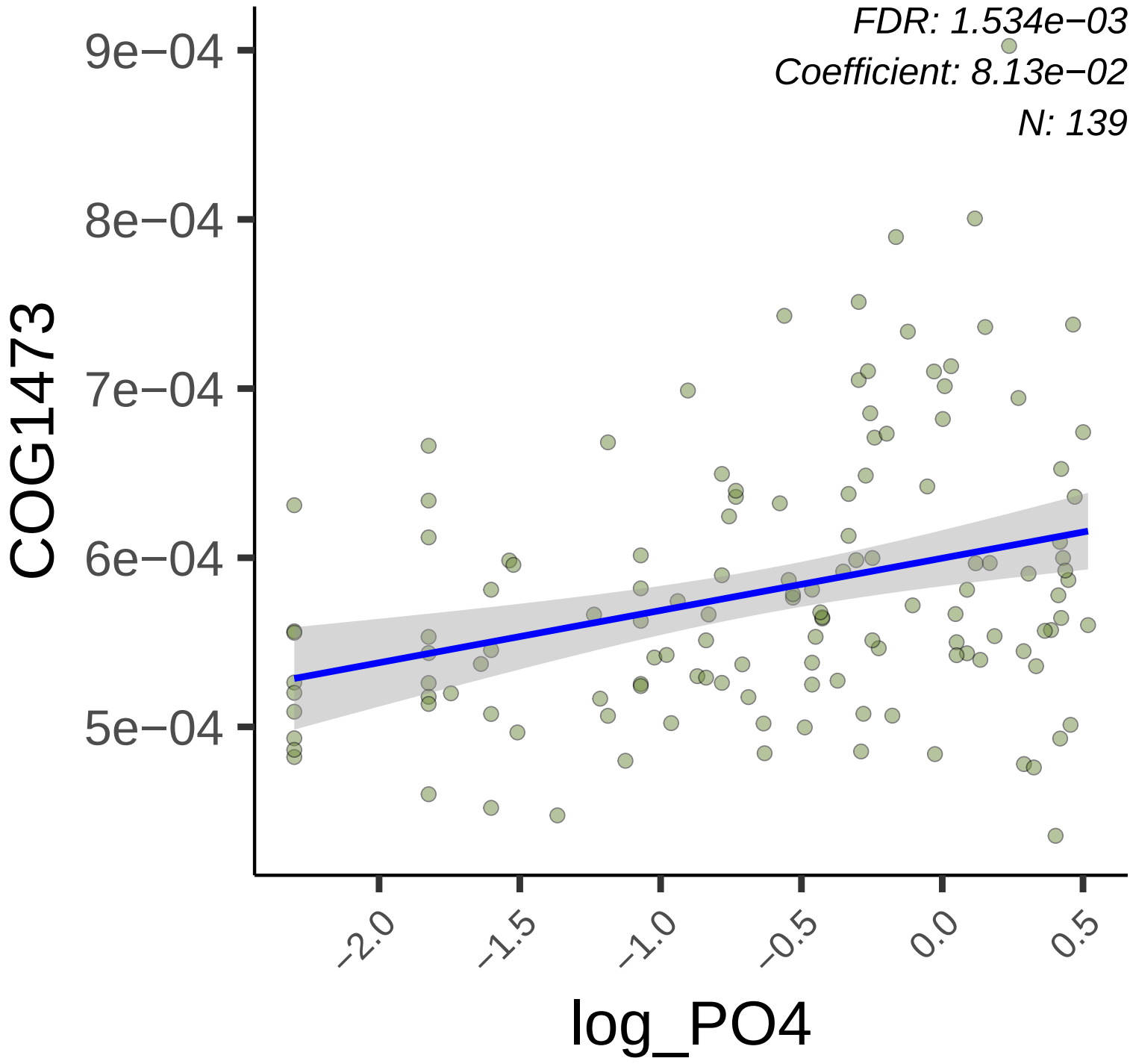
log_PO4


FDR: 1.534e−03
Coefficient: 8.13e−02
N: 139
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8e−04
7e−04
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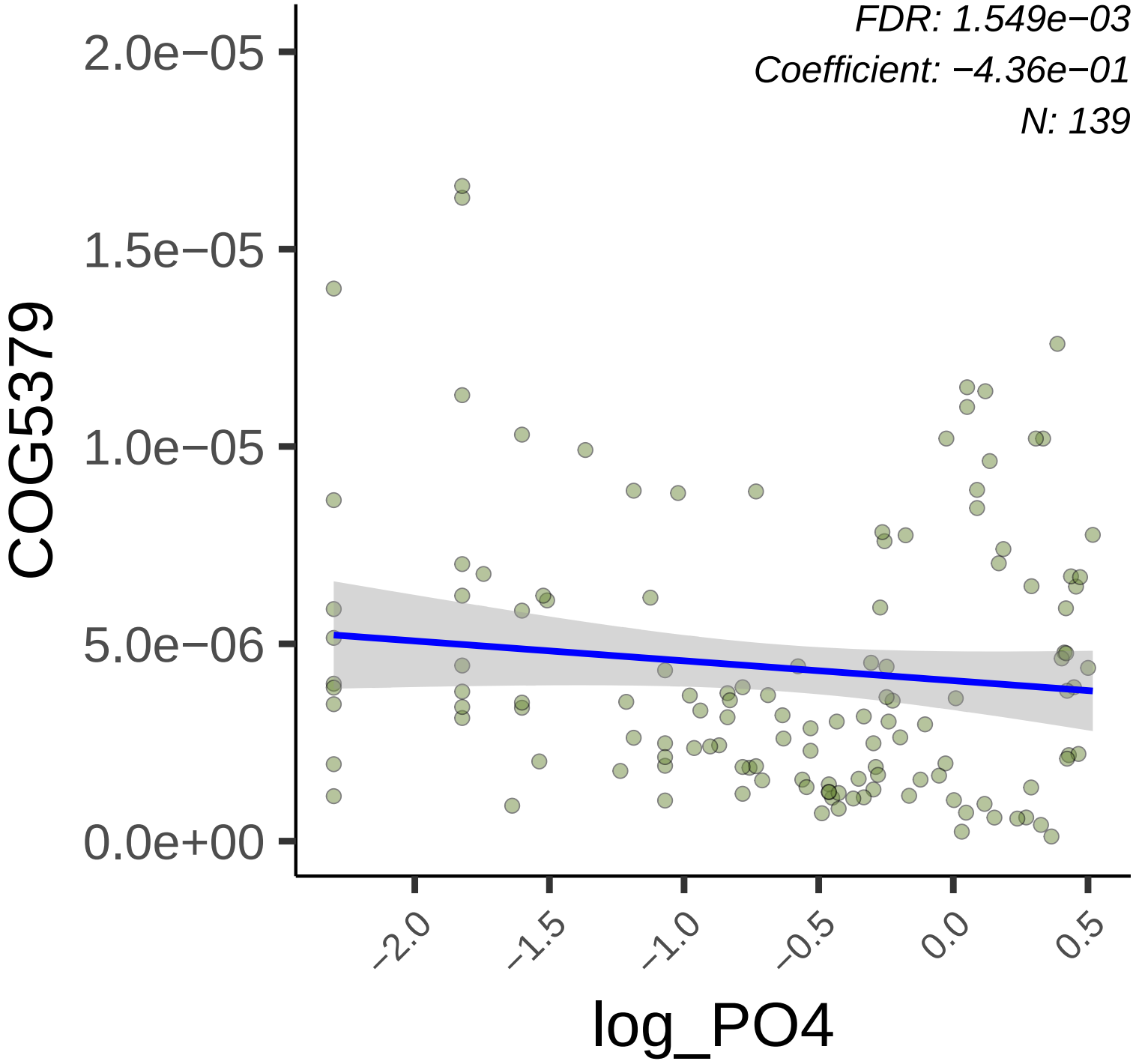
log_PO4


FDR: 1.549e−03
Coefficient: −4.36e−01
N: 139
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1.5e−05
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COG5379
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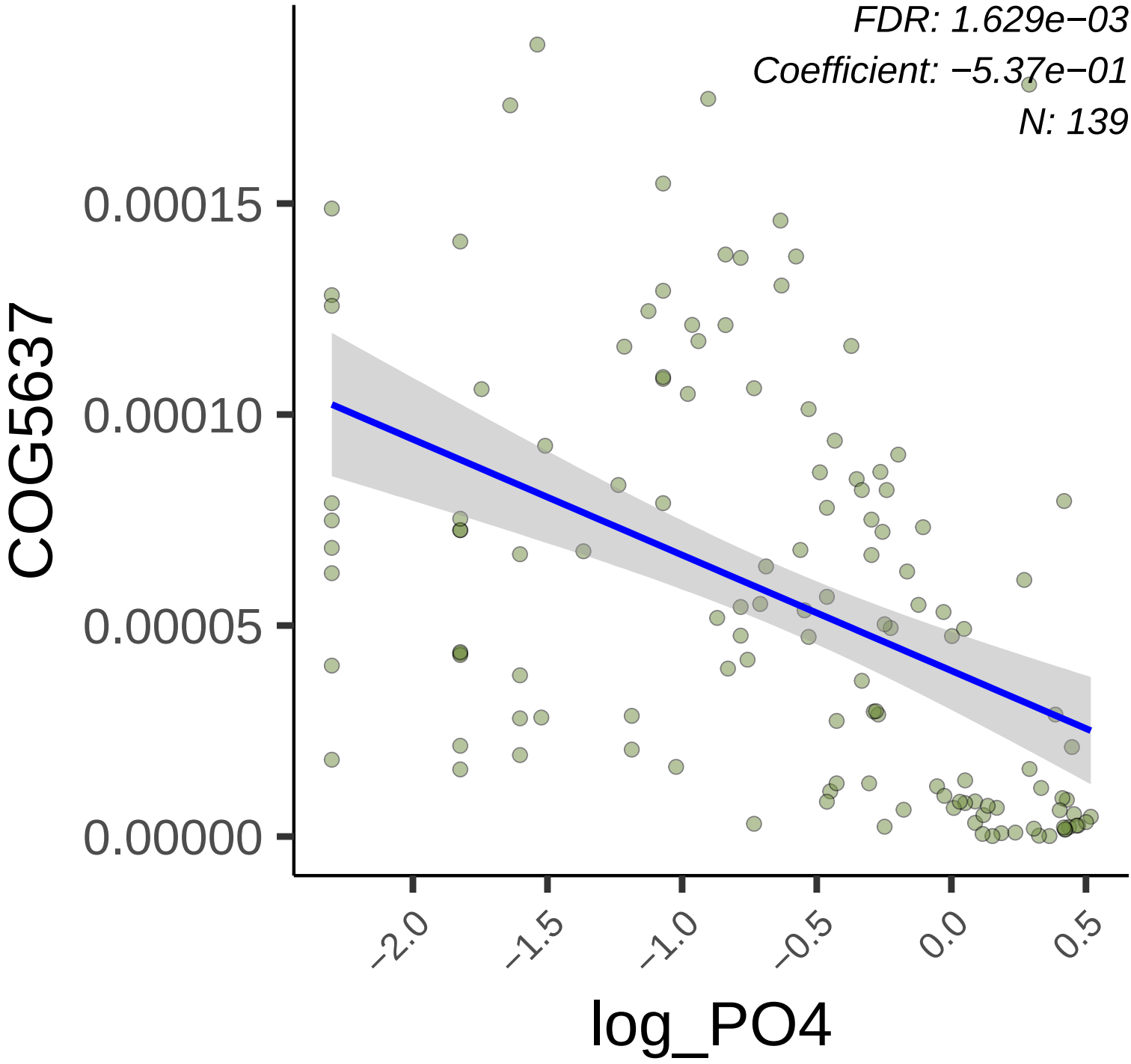
log_PO4


FDR: 1.629e−03
Coefficient: −5.37e−01
N: 139
COG5637
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−1.5
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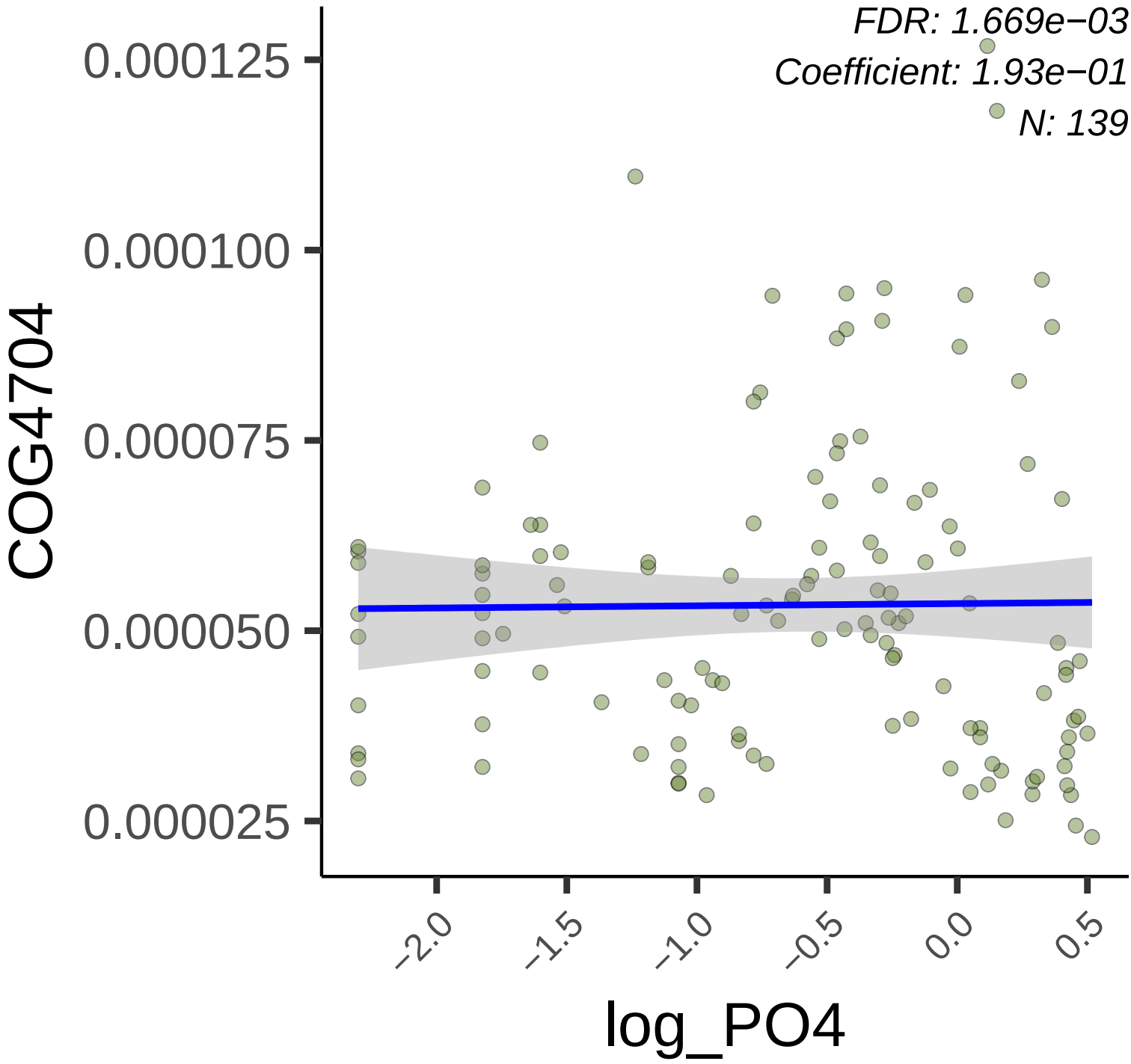
log_PO4


FDR: 1.669e−03
Coefficient: 1.93e−01
N: 139
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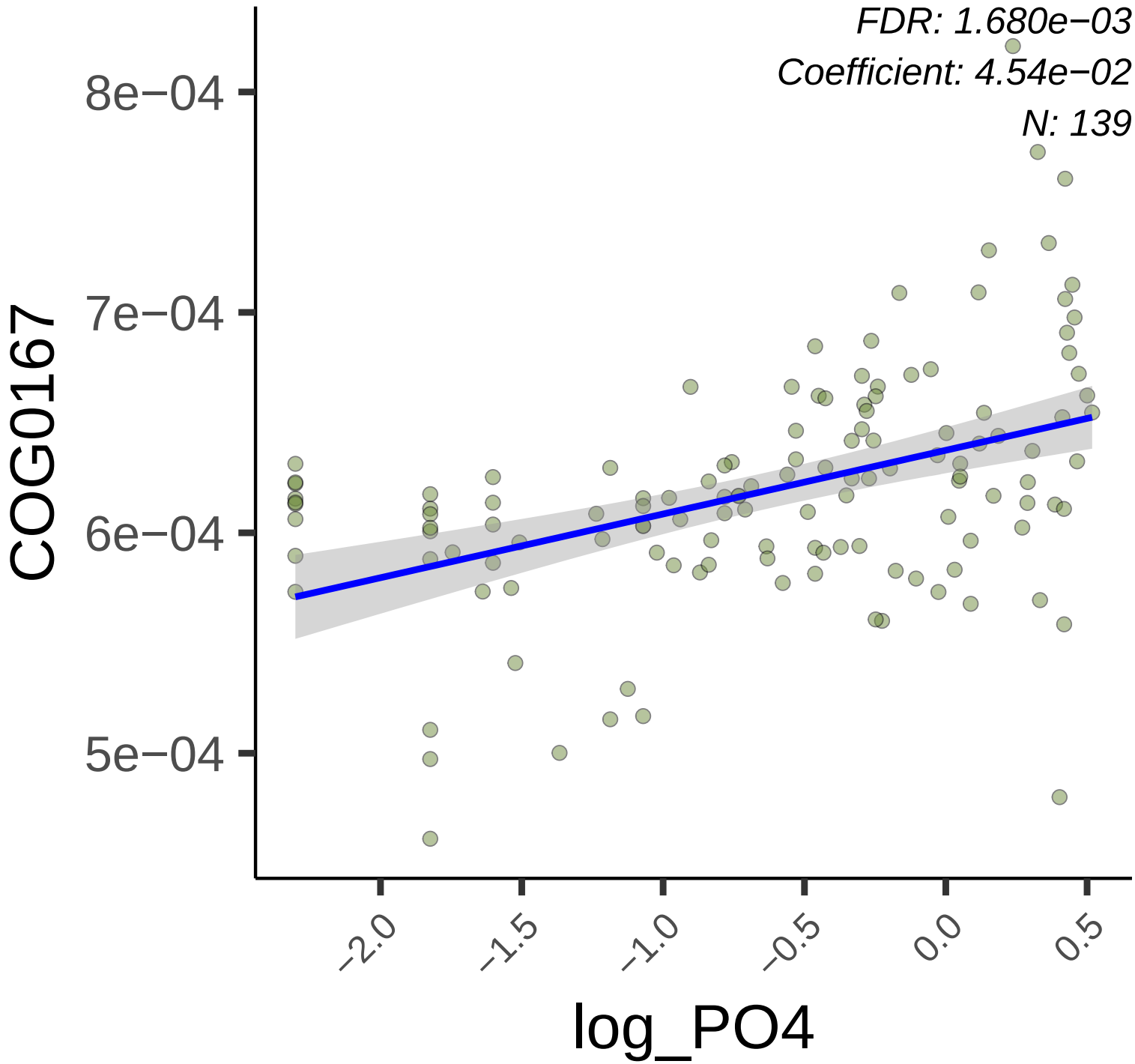
log_PO4


FDR: 1.680e−03
Coefficient: 4.54e−02
N: 139
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7e−04
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COG0167
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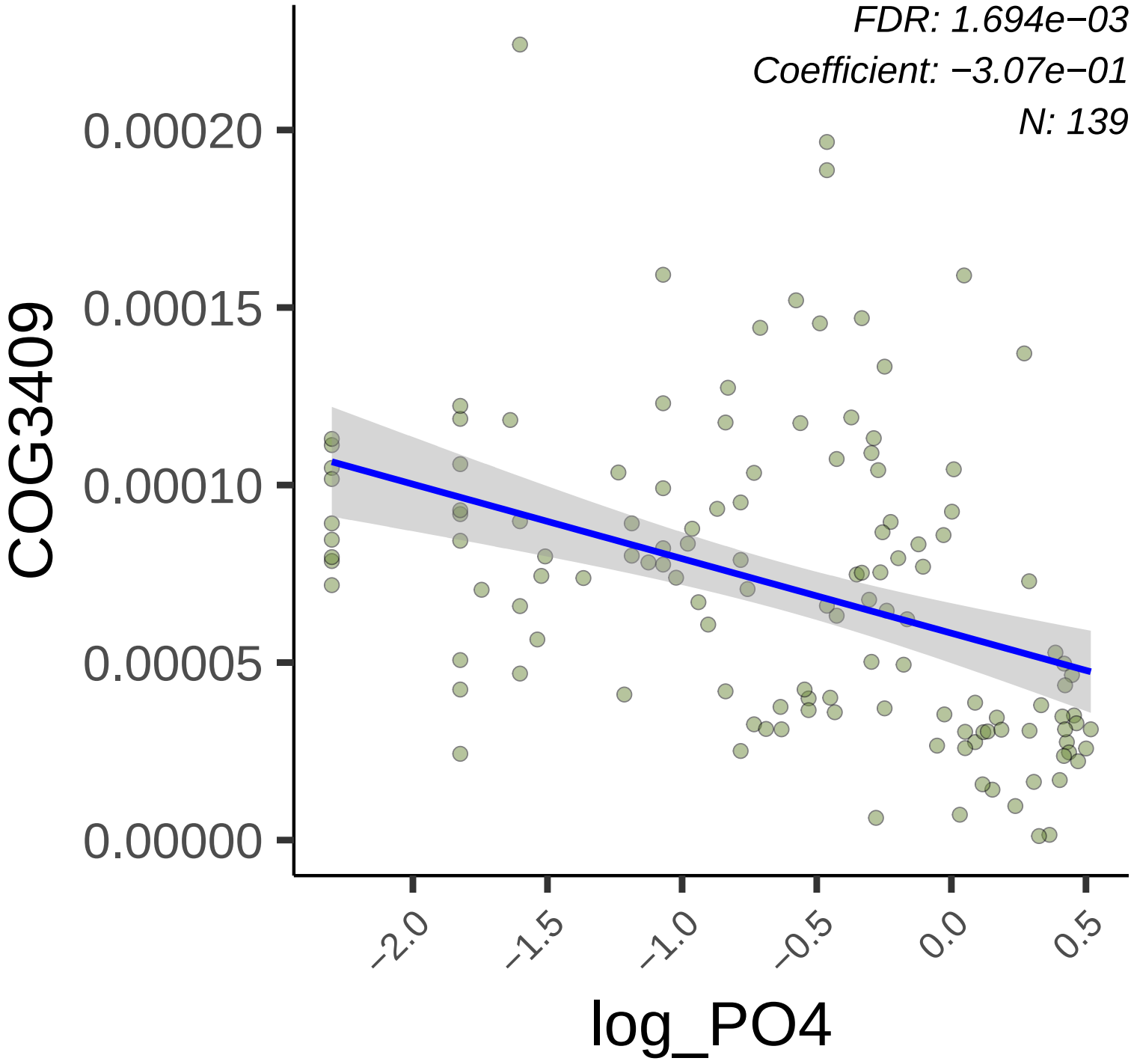
log_PO4


FDR: 1.694e−03
Coefficient: −3.07e−01
N: 139
COG3409
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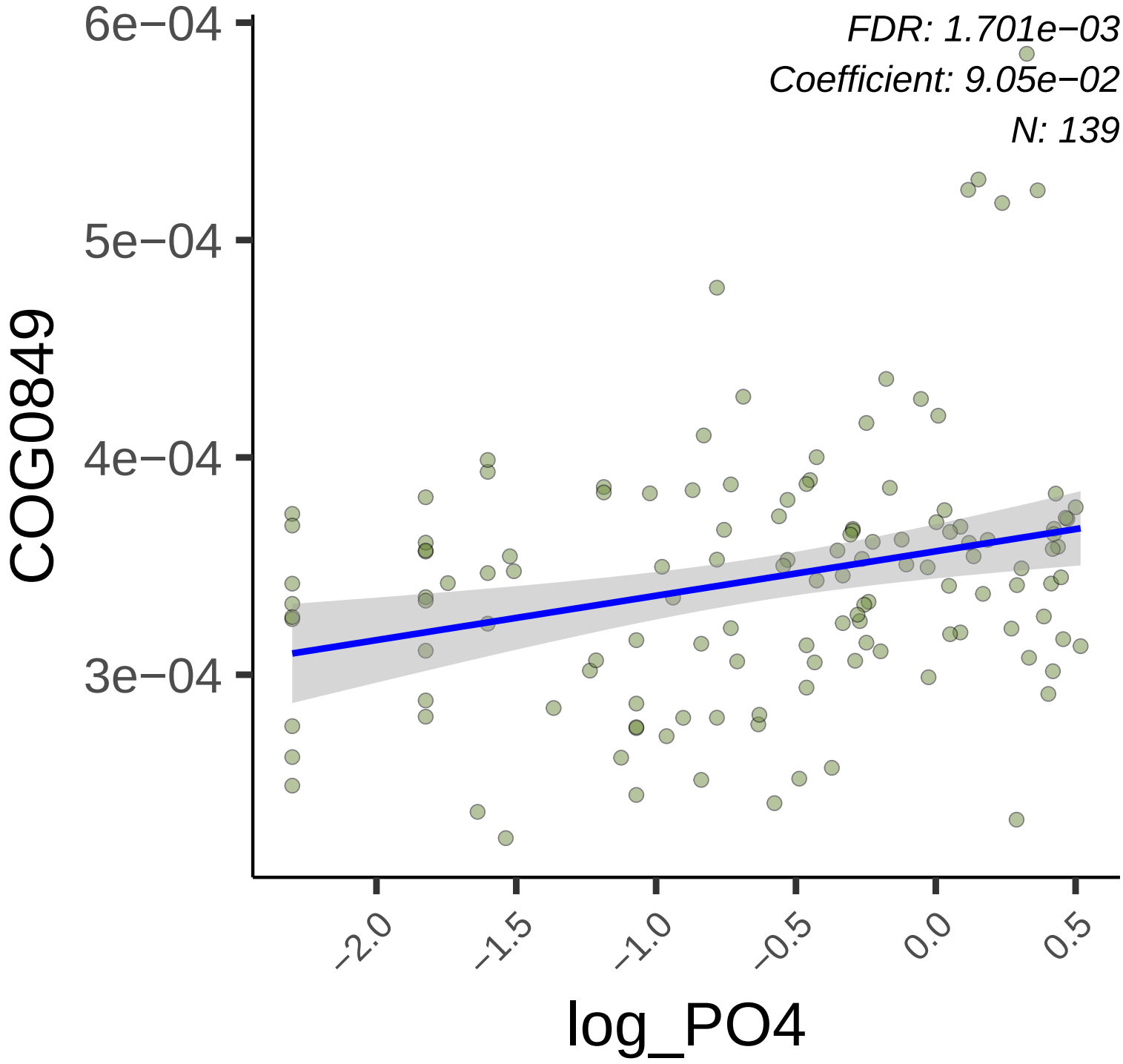
log_PO4


FDR: 1.701e−03
Coefficient: 9.05e−02
N: 139
6e−04
5e−04
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COG0849
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−1.0
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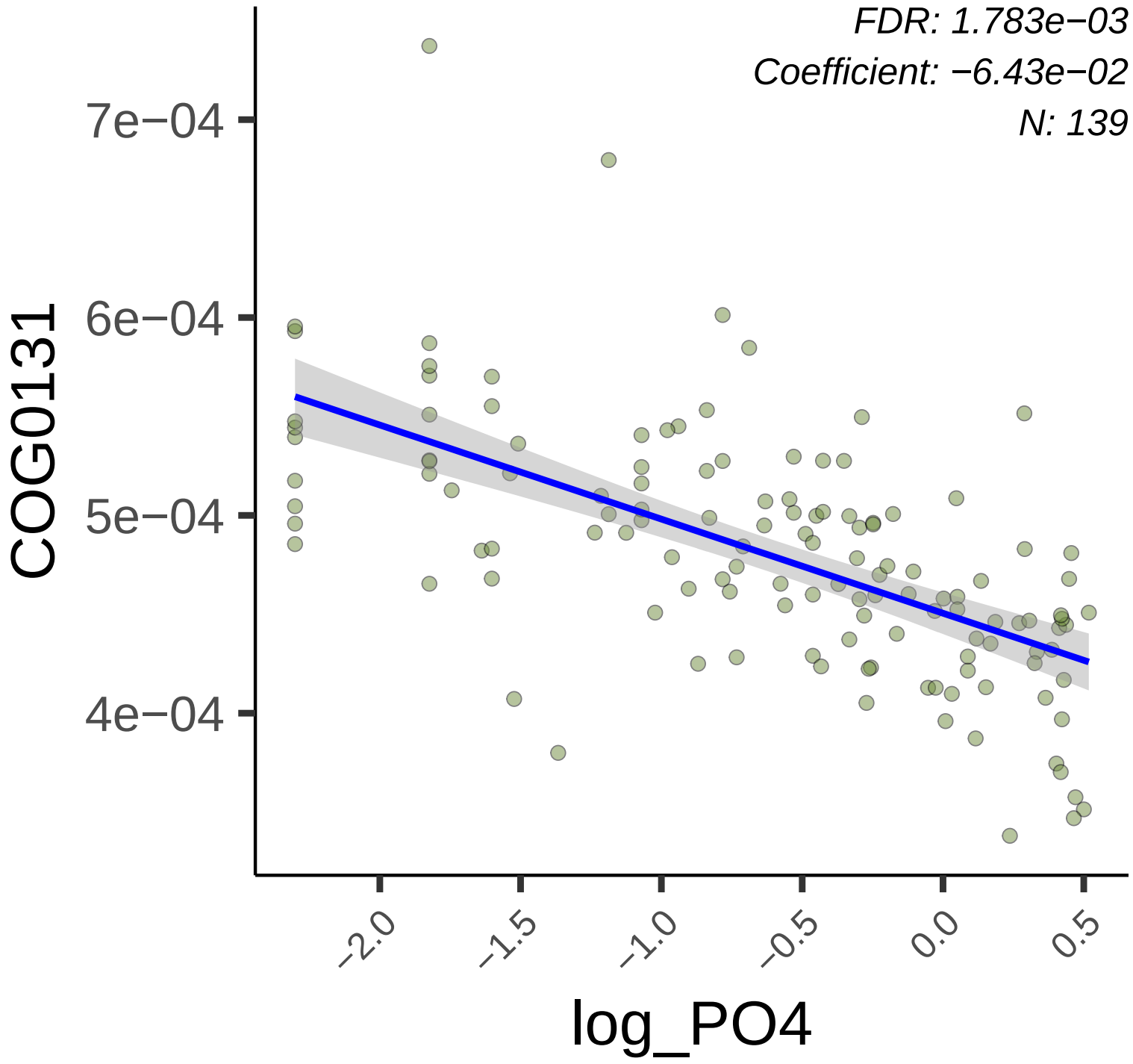
0.5
log_PO4


FDR: 1.783e−03
Coefficient: −6.43e−02
N: 139
7e−04
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COG0131
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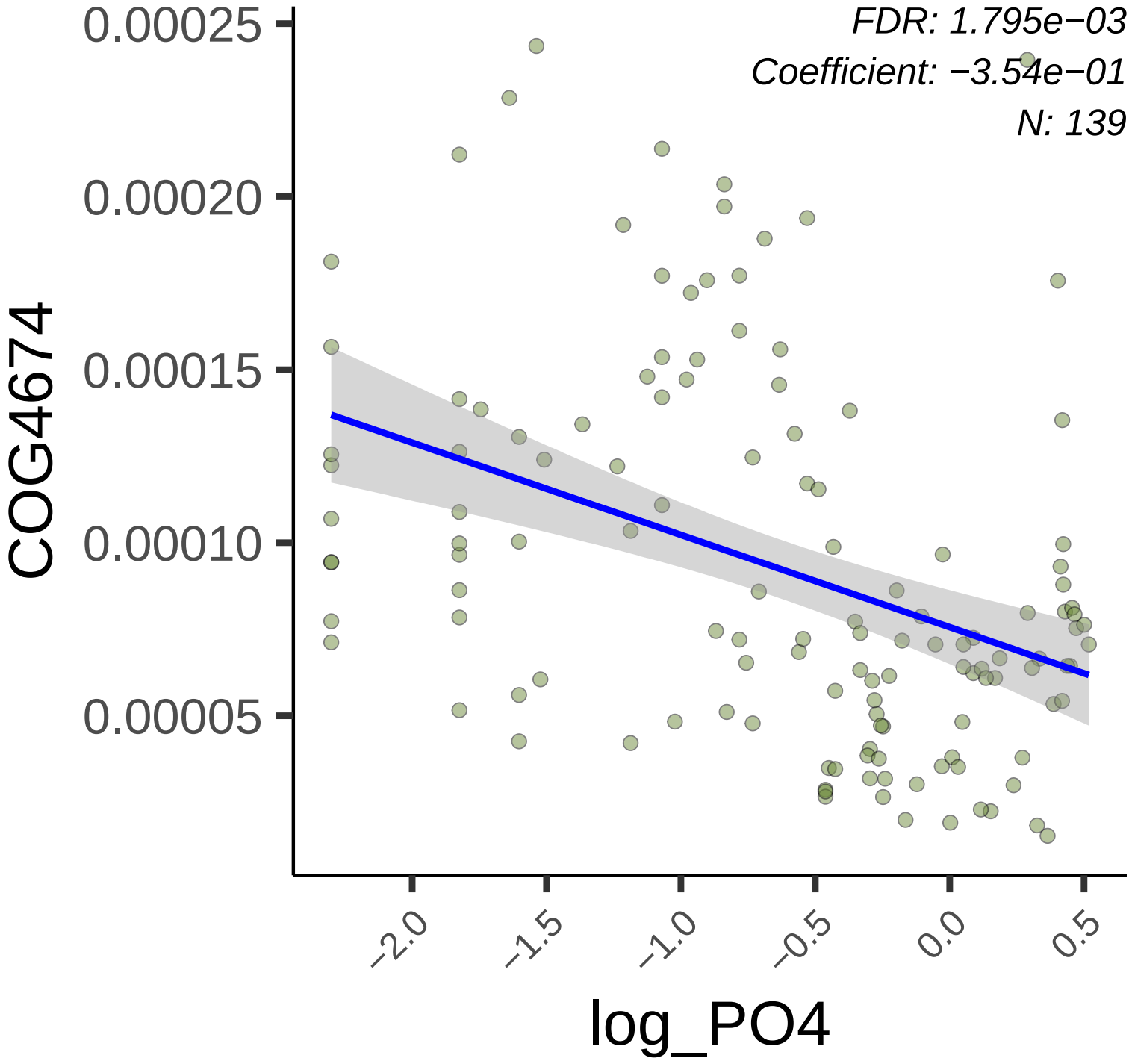
log_PO4


FDR: 1.795e−03
Coefficient: −3.54e−01
N: 139
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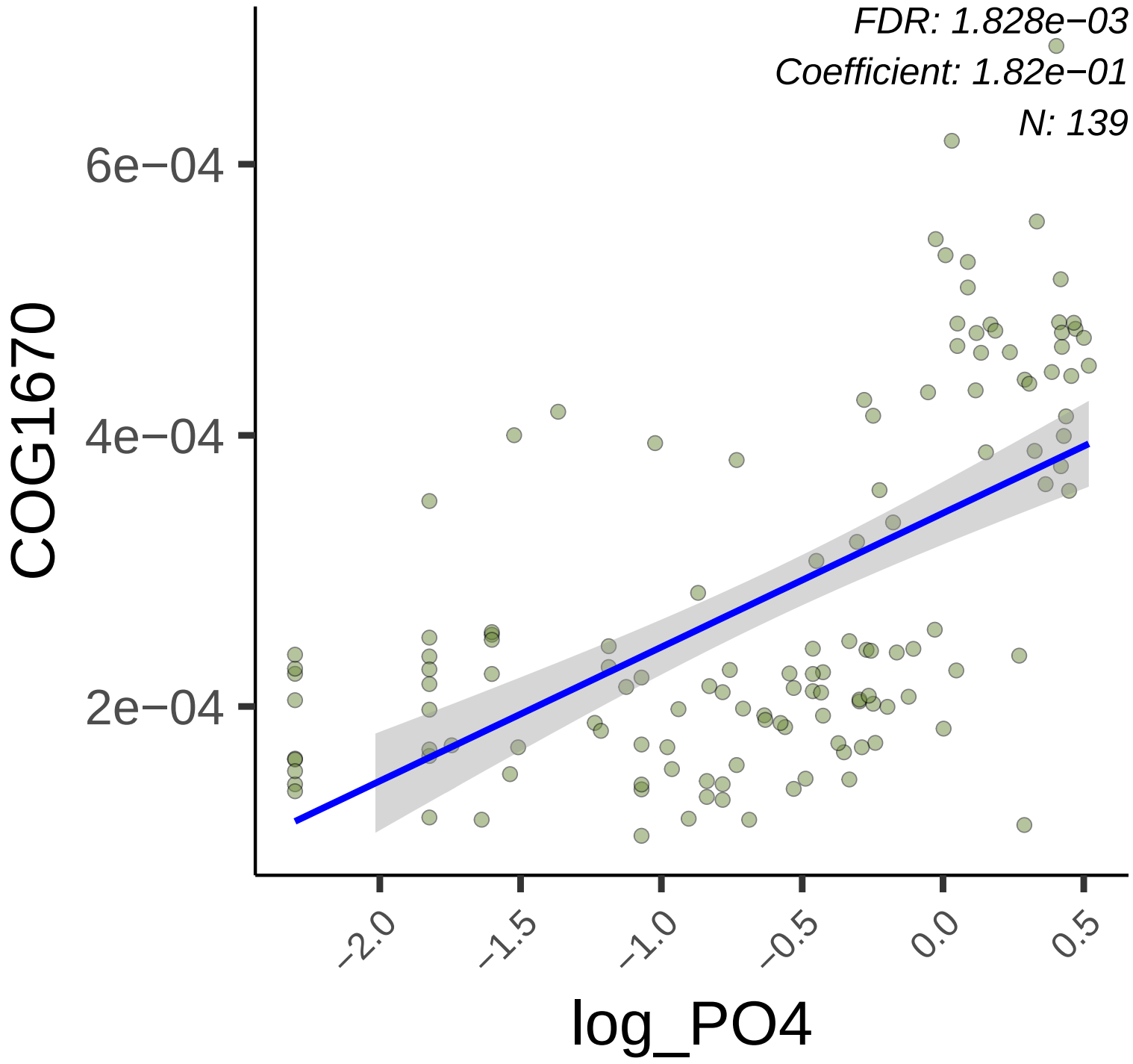
log_PO4


FDR: 1.828e−03
Coefficient: 1.82e−01
N: 139
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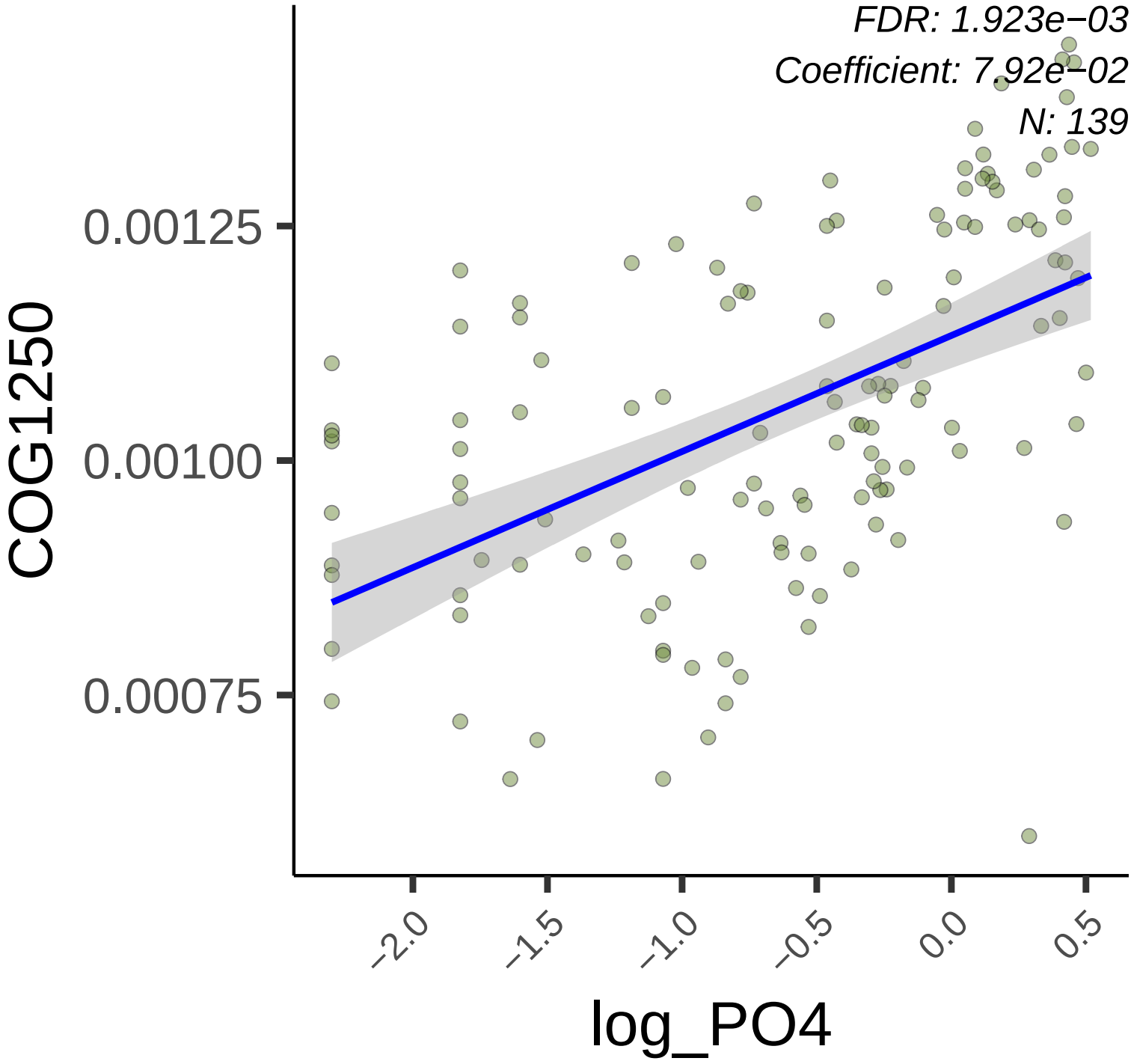
log_PO4


FDR: 1.923e−03
Coefficient: 7.92e−02
N: 139
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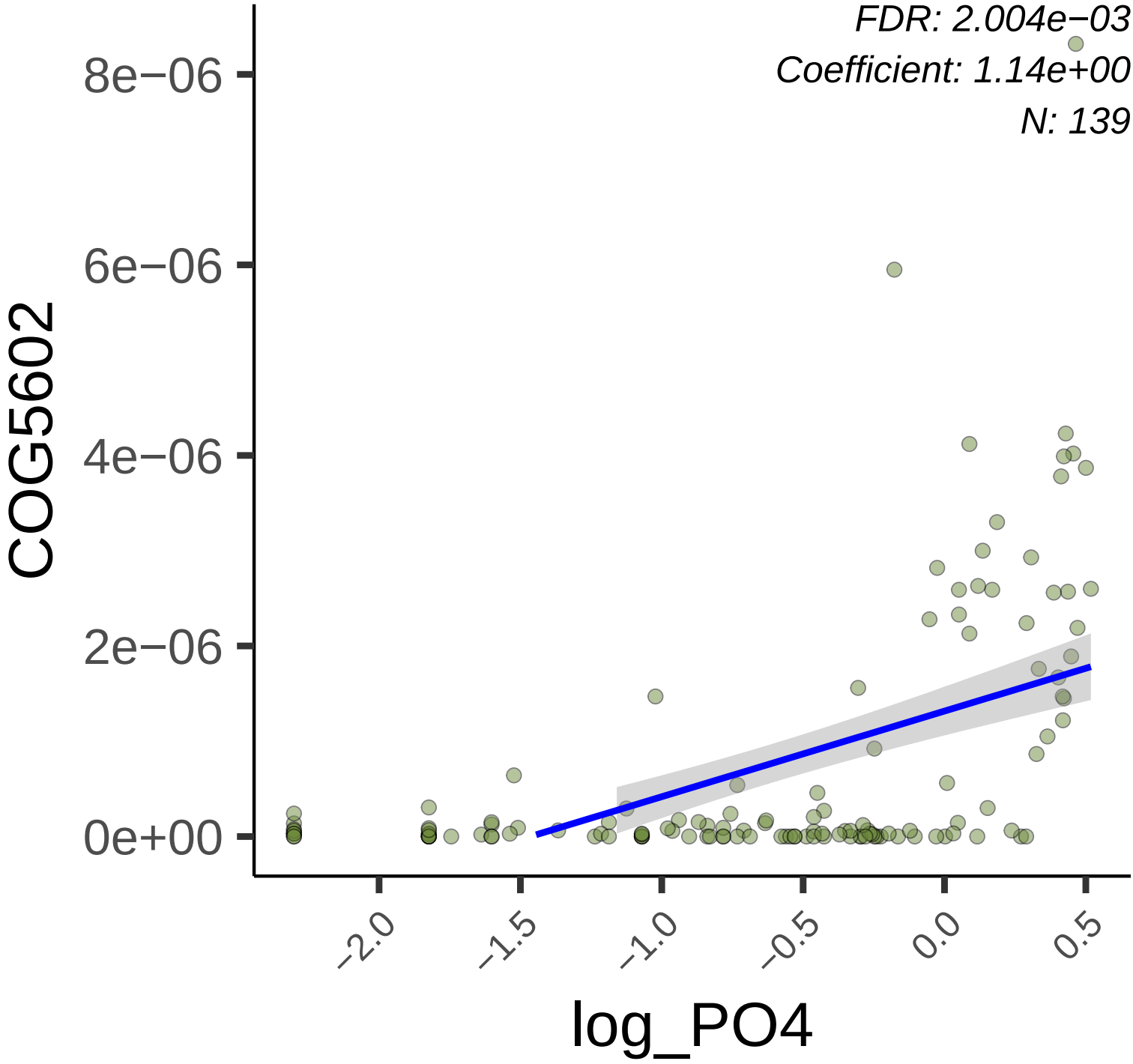
log_PO4


FDR: 2.004e−03
Coefficient: 1.14e+00
N: 139
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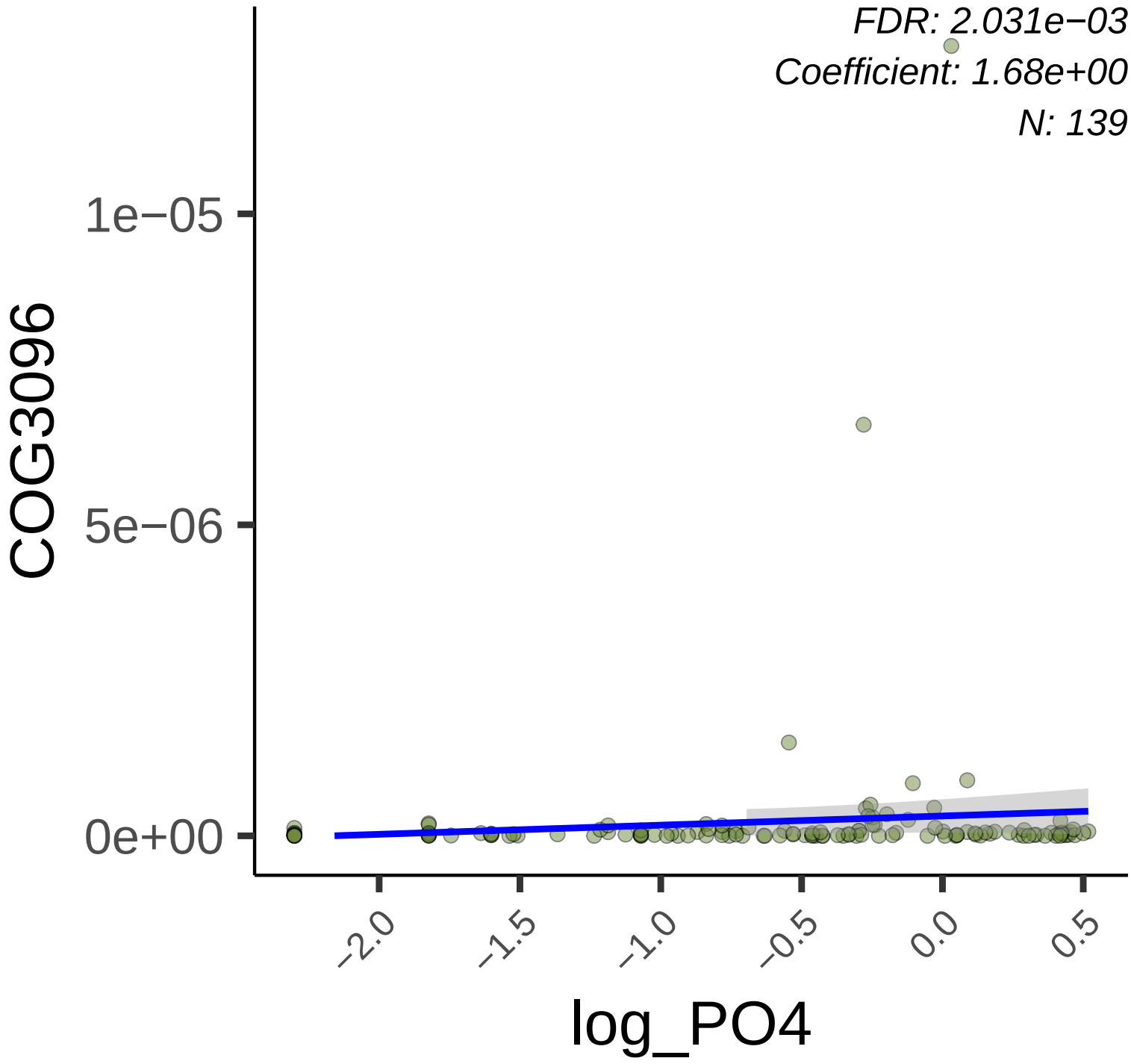
log_PO4


FDR: 2.031e−03
Coefficient: 1.68e+00
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COG3096
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−1.5
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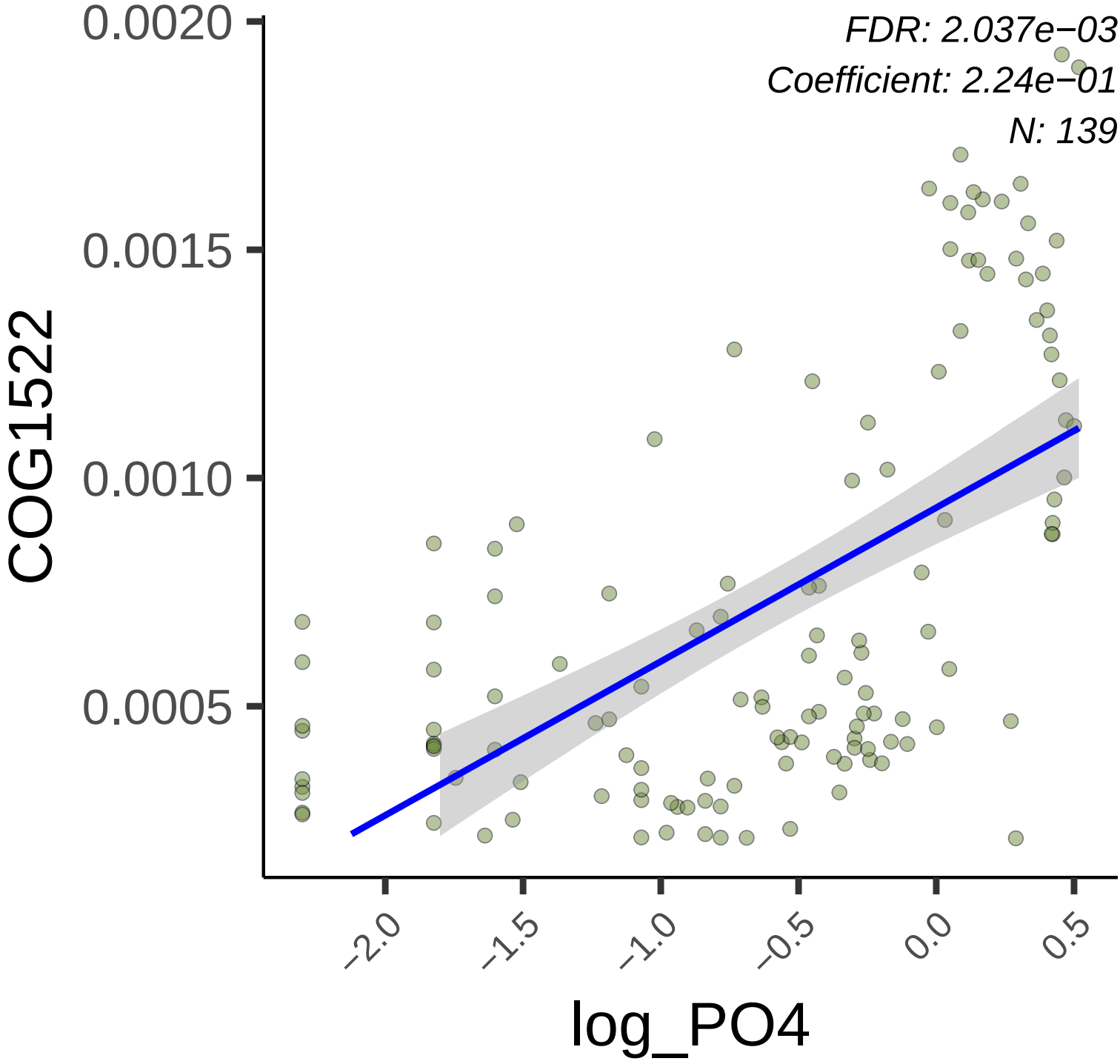
log_PO4


FDR: 2.037e−03
Coefficient: 2.24e−01
N: 139
0.0020
0.0015
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COG1522
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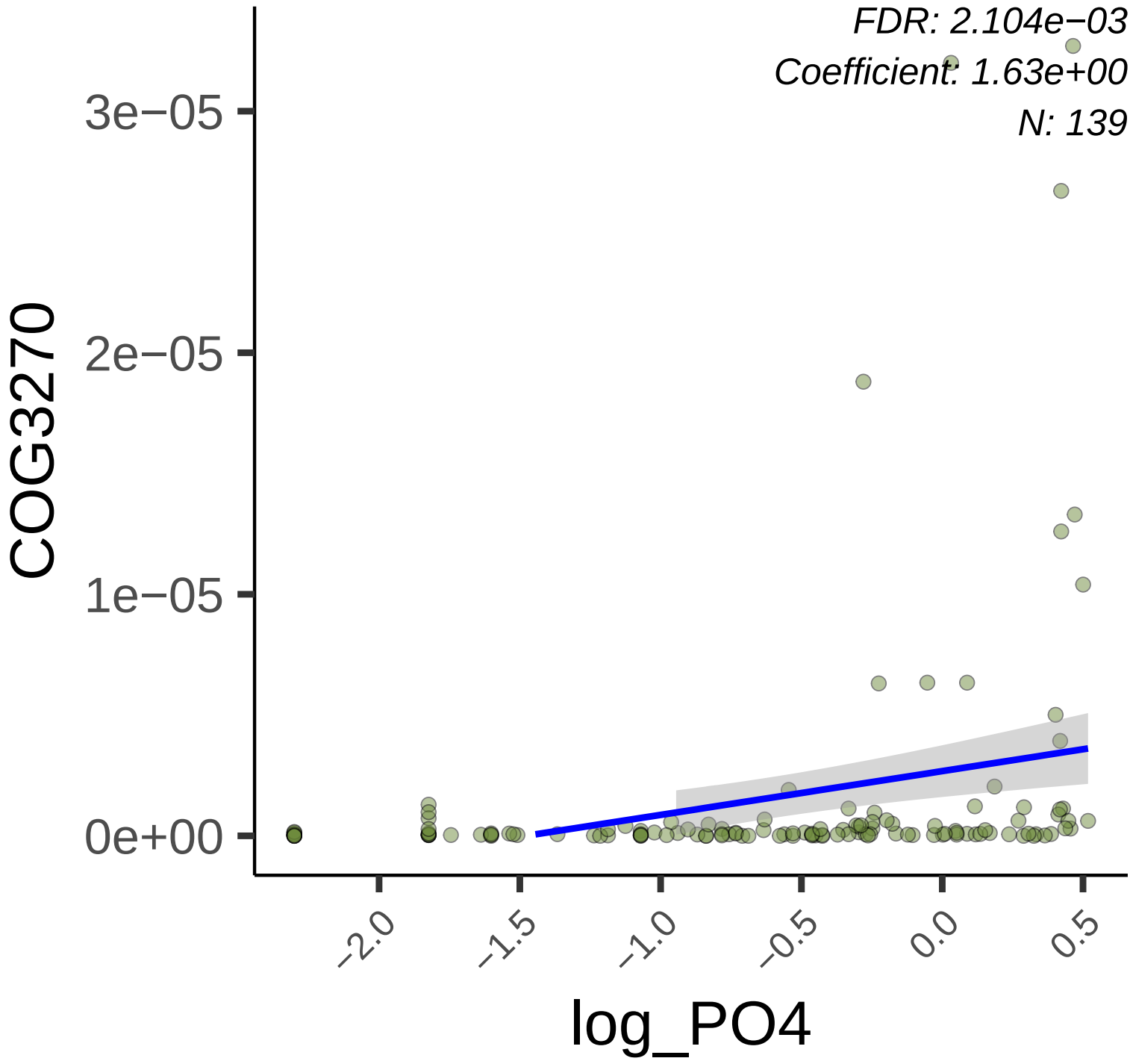
log_PO4


FDR: 2.104e−03
Coefficient: 1.63e+00
N: 139
COG3270
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−1.5
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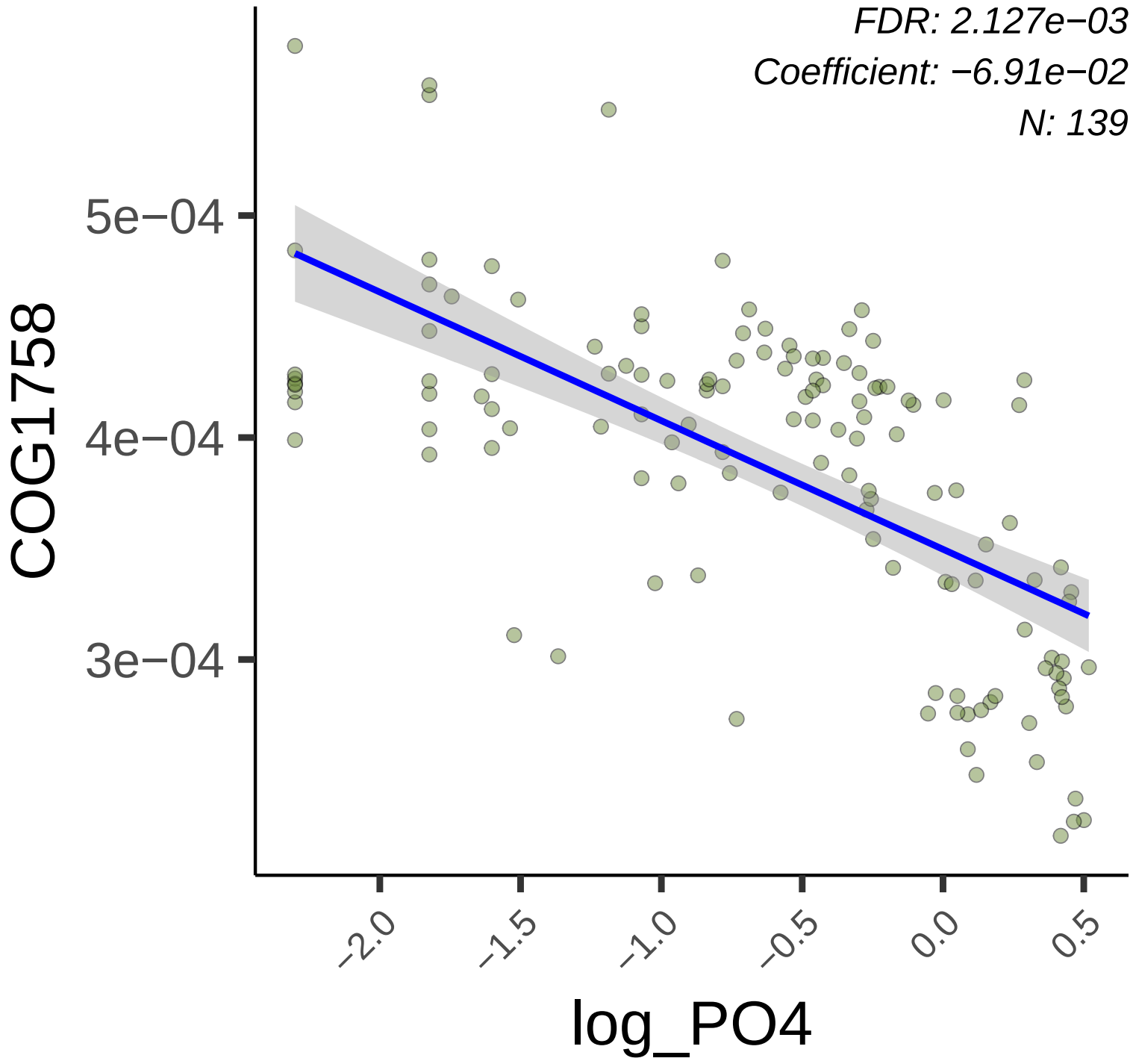
log_PO4


FDR: 2.127e−03
Coefficient: −6.91e−02
N: 139
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COG1758
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−1.5
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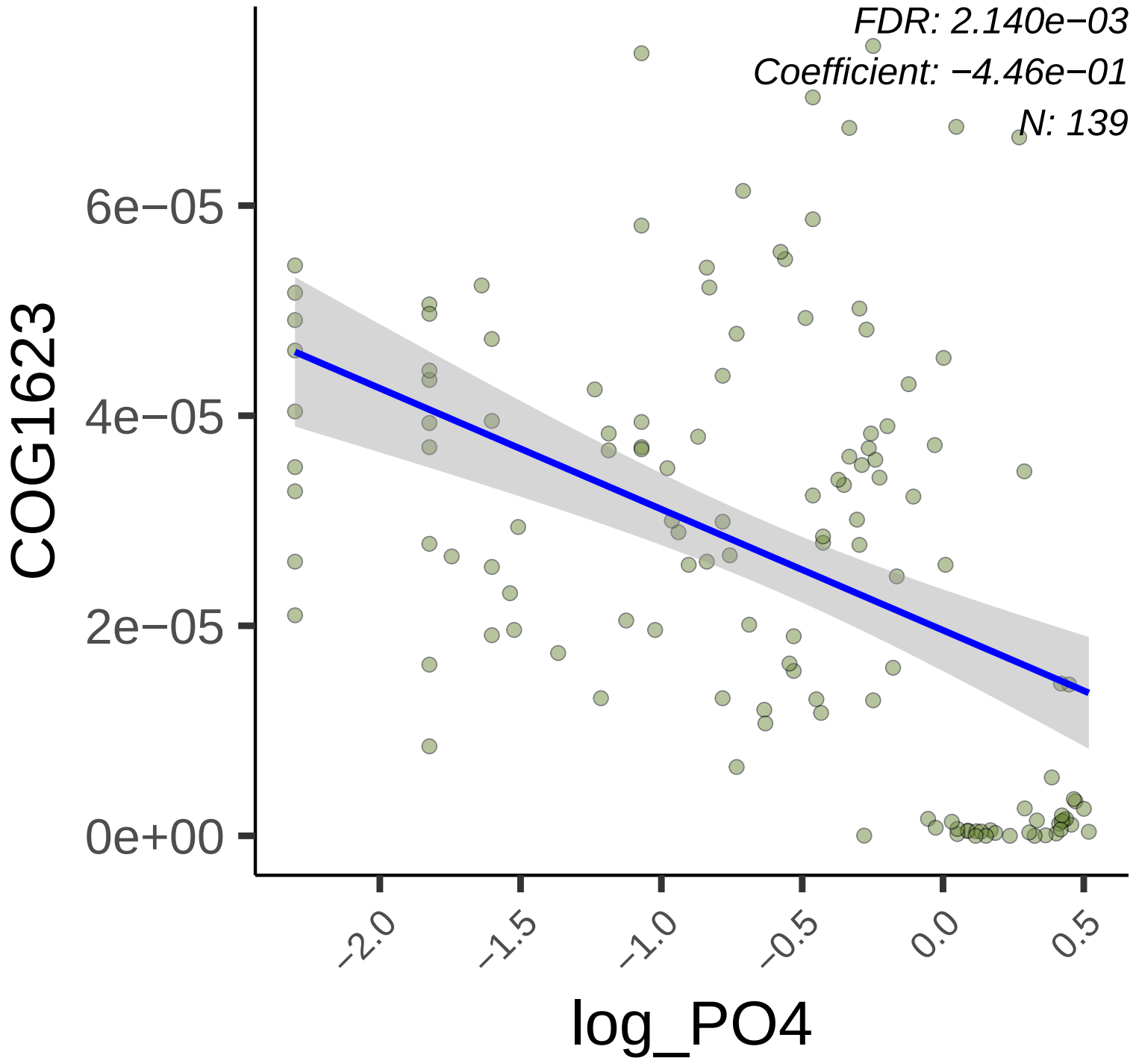
log_PO4


FDR: 2.140e−03
Coefficient: −4.46e−01
N: 139
COG1623
6e−05
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0e+00
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−1.5
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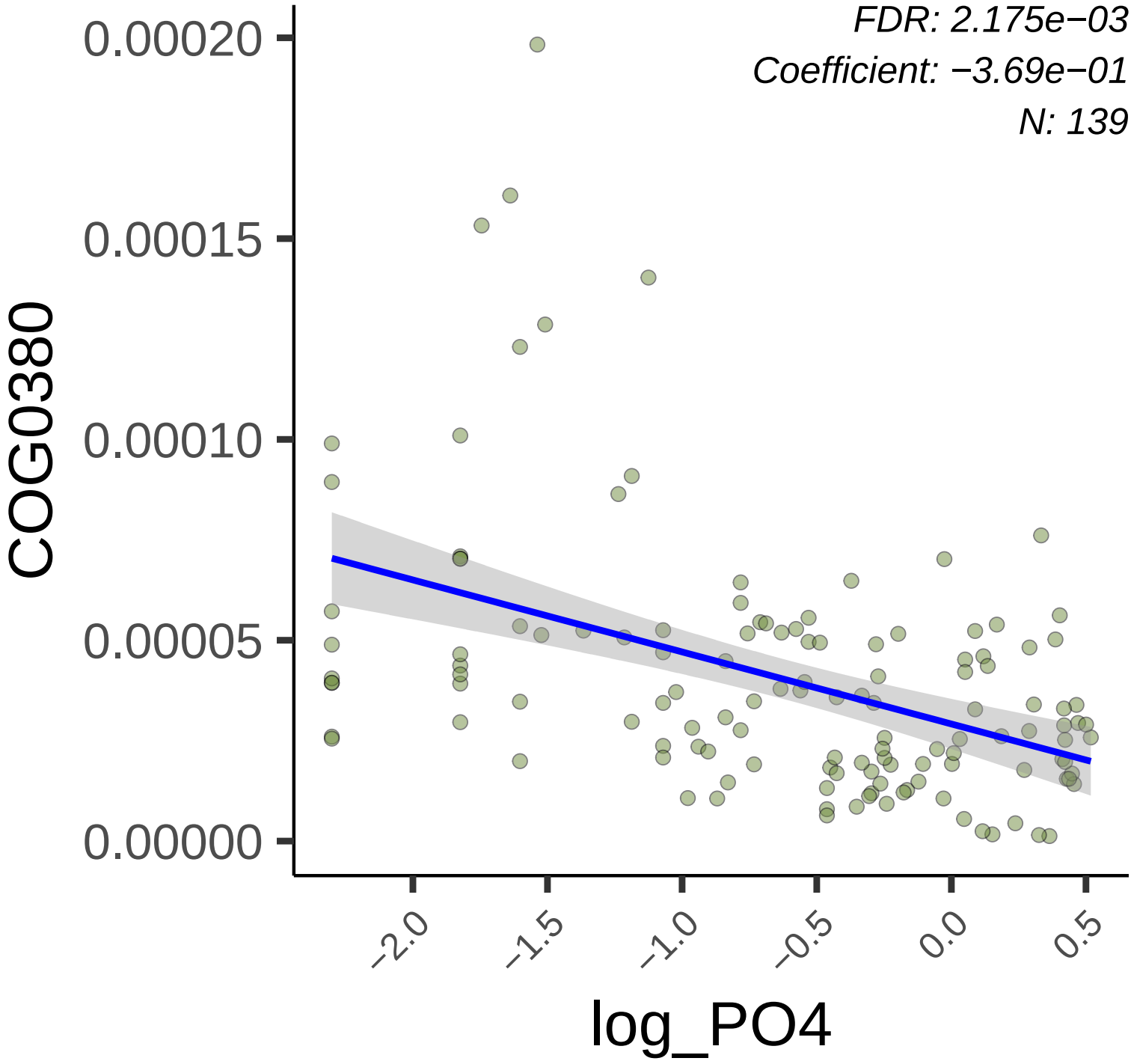
log_PO4


FDR: 2.175e−03
Coefficient: −3.69e−01
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COG0380
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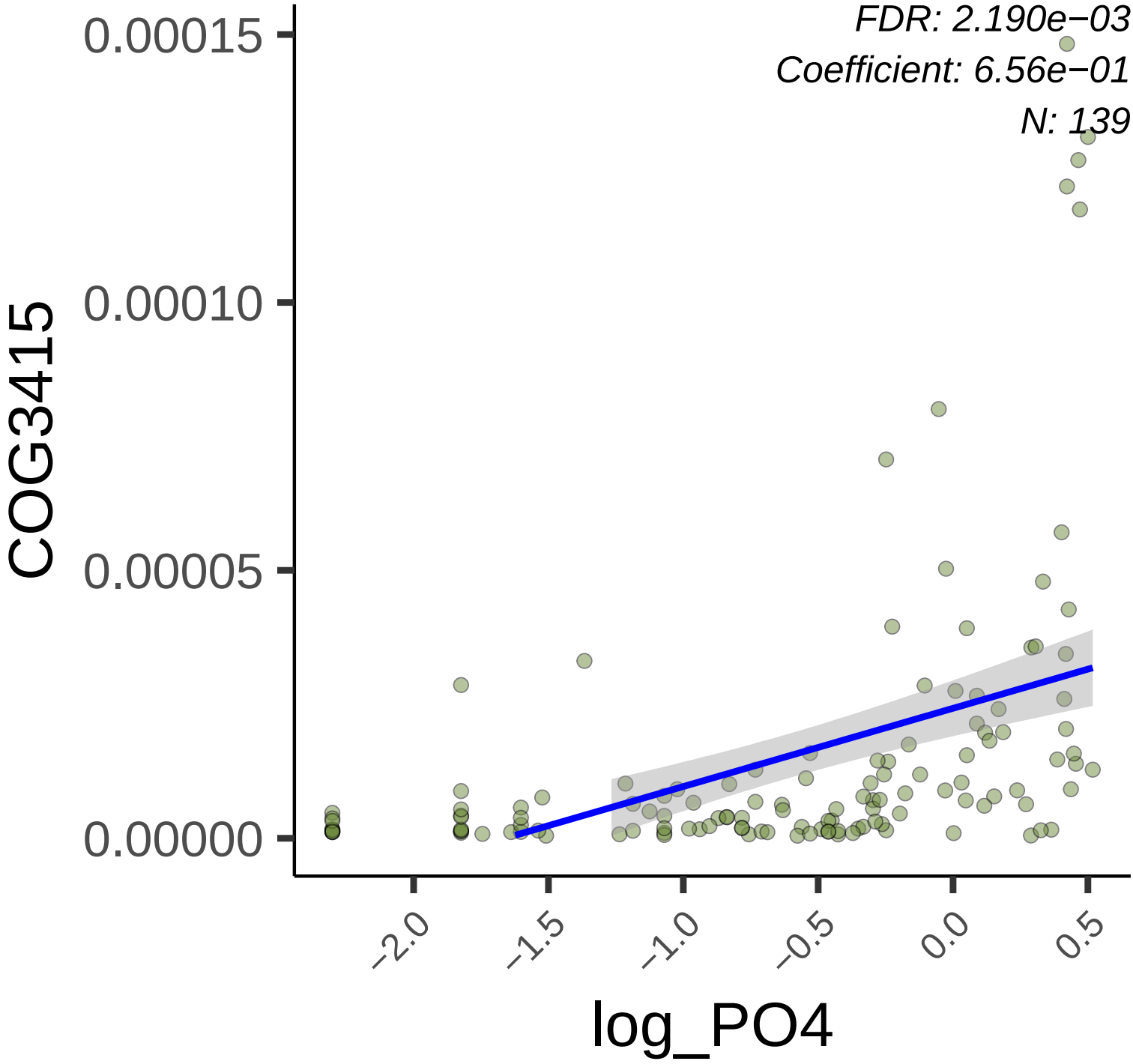
log_PO4


FDR: 2.190e−03
Coefficient: 6.56e−01
N: 139
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0.00010
0.00005
0.00000
COG3415
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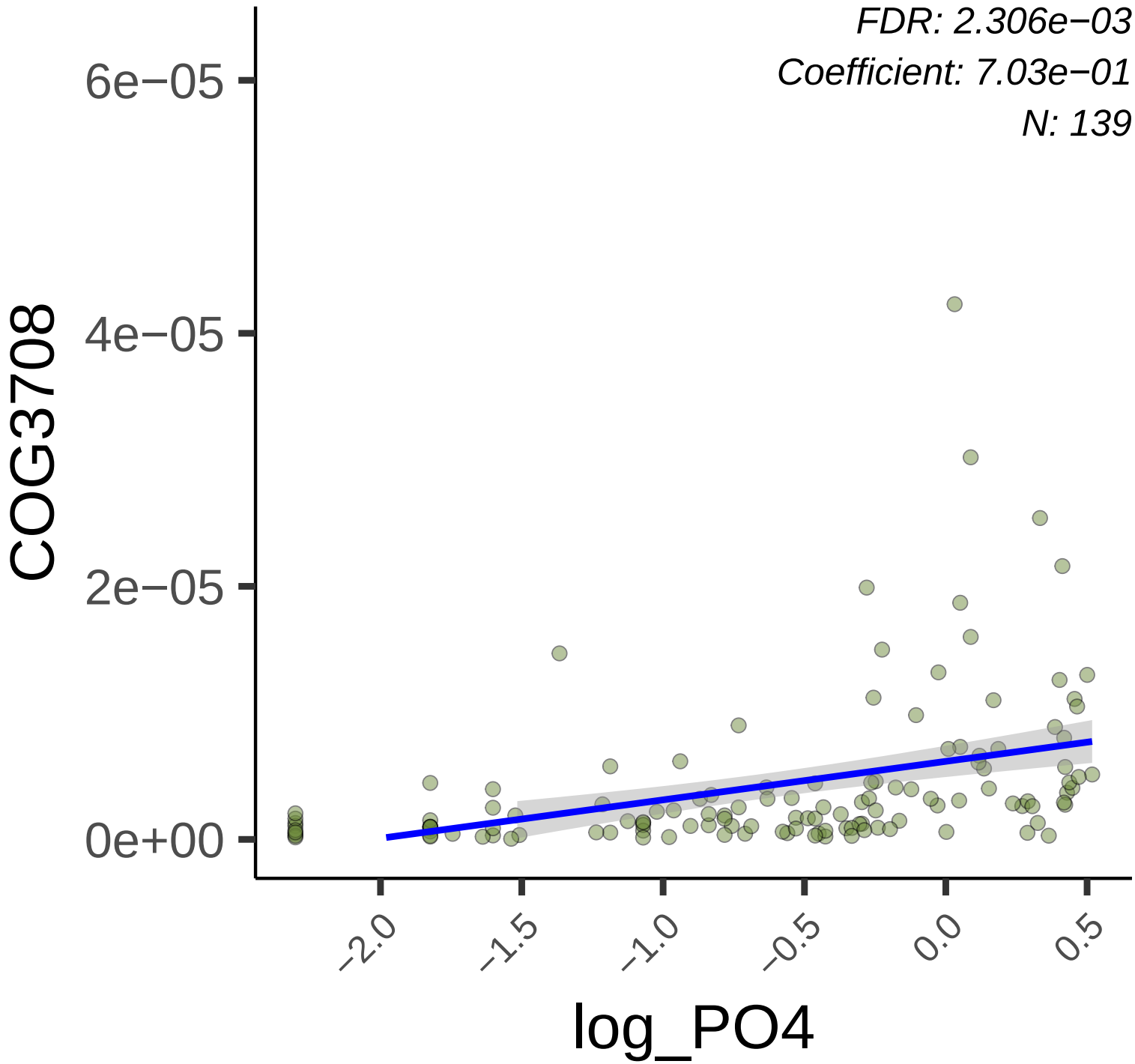
log_PO4


FDR: 2.306e−03
Coefficient: 7.03e−01
N: 139
COG3708
6e−05
4e−05
2e−05
0e+00
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−1.5
−1.0
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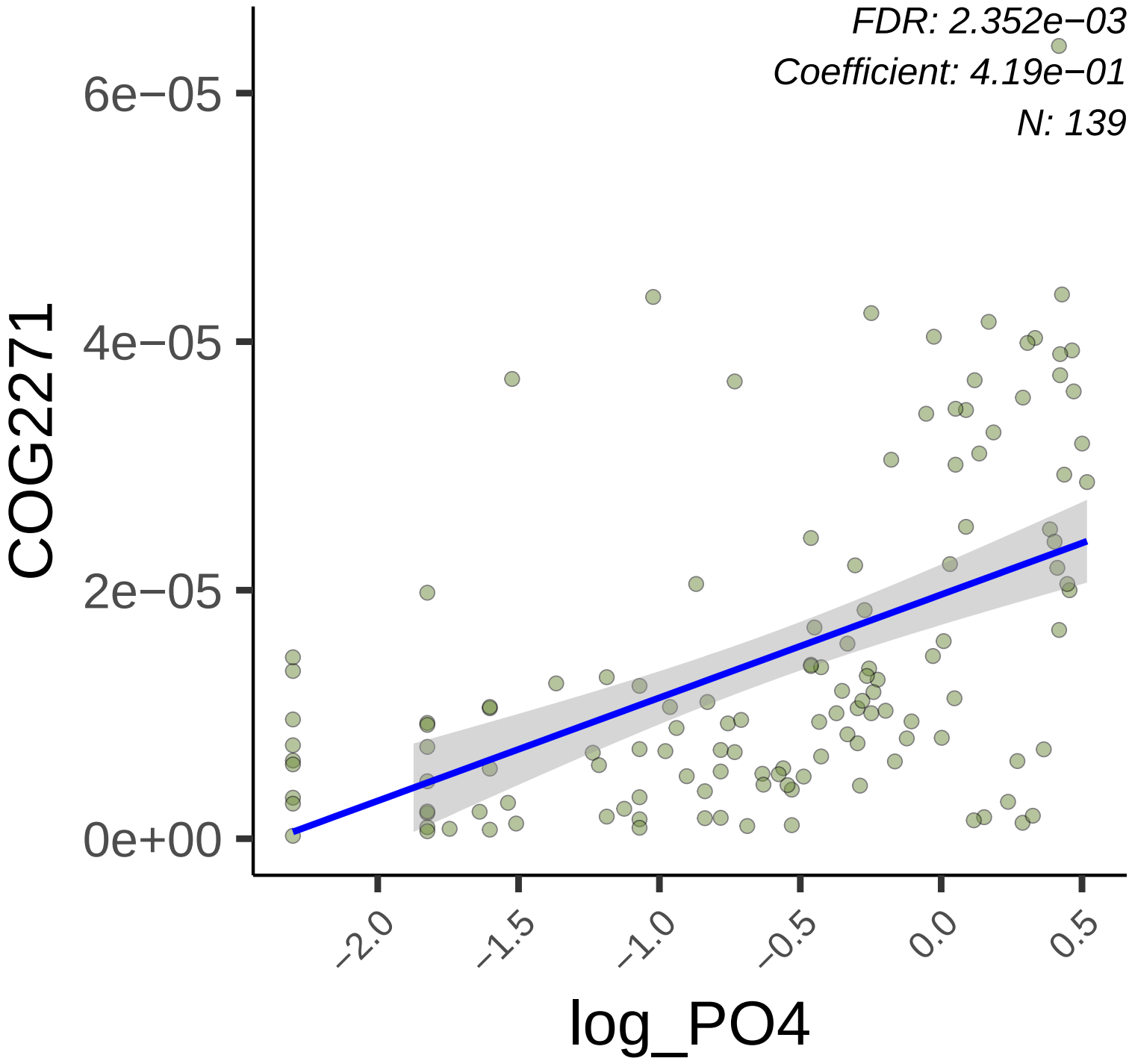
log_PO4


FDR: 2.352e−03
Coefficient: 4.19e−01
N: 139
COG2271
6e−05
4e−05
2e−05
0e+00
−2.0
−1.5
−1.0
−0.5
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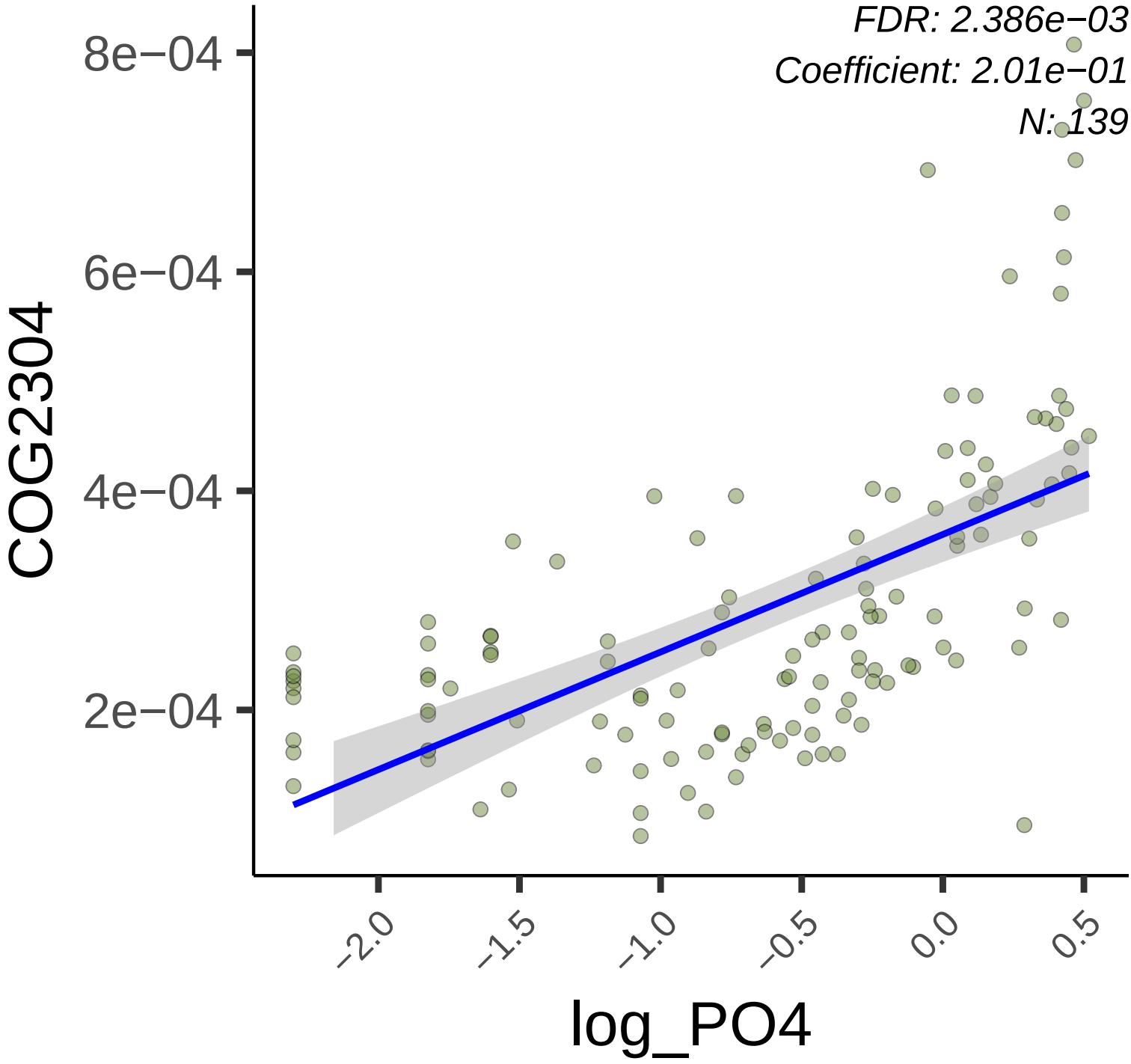
log_PO4


FDR: 2.386e−03
Coefficient: 2.01e−01
N: 139
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6e−04
4e−04
2e−04
COG2304
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−1.5
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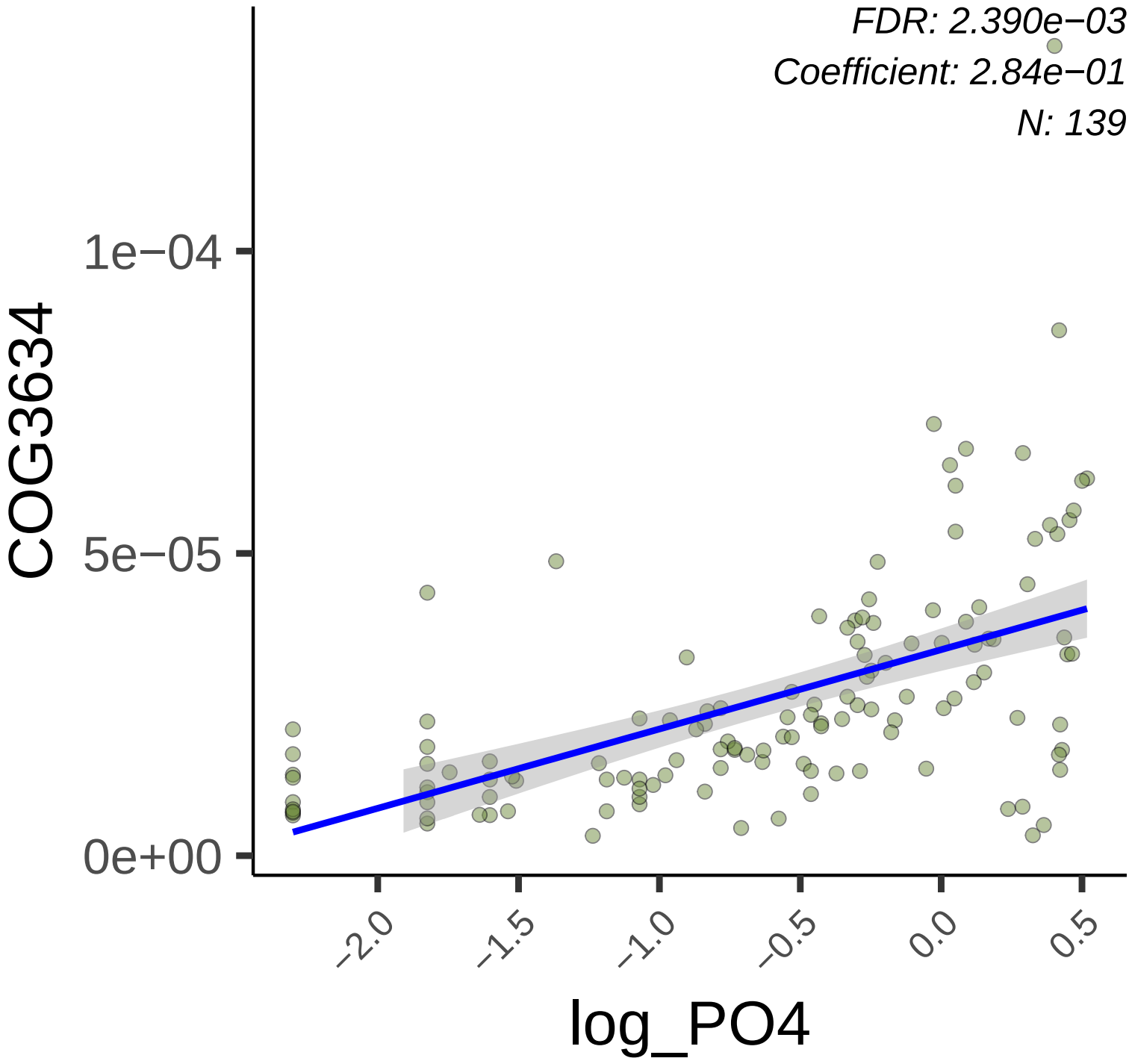
log_PO4


FDR: 2.390e−03
Coefficient: 2.84e−01
N: 139
COG3634
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5e−05
0e+00
−2.0
−1.5
−1.0
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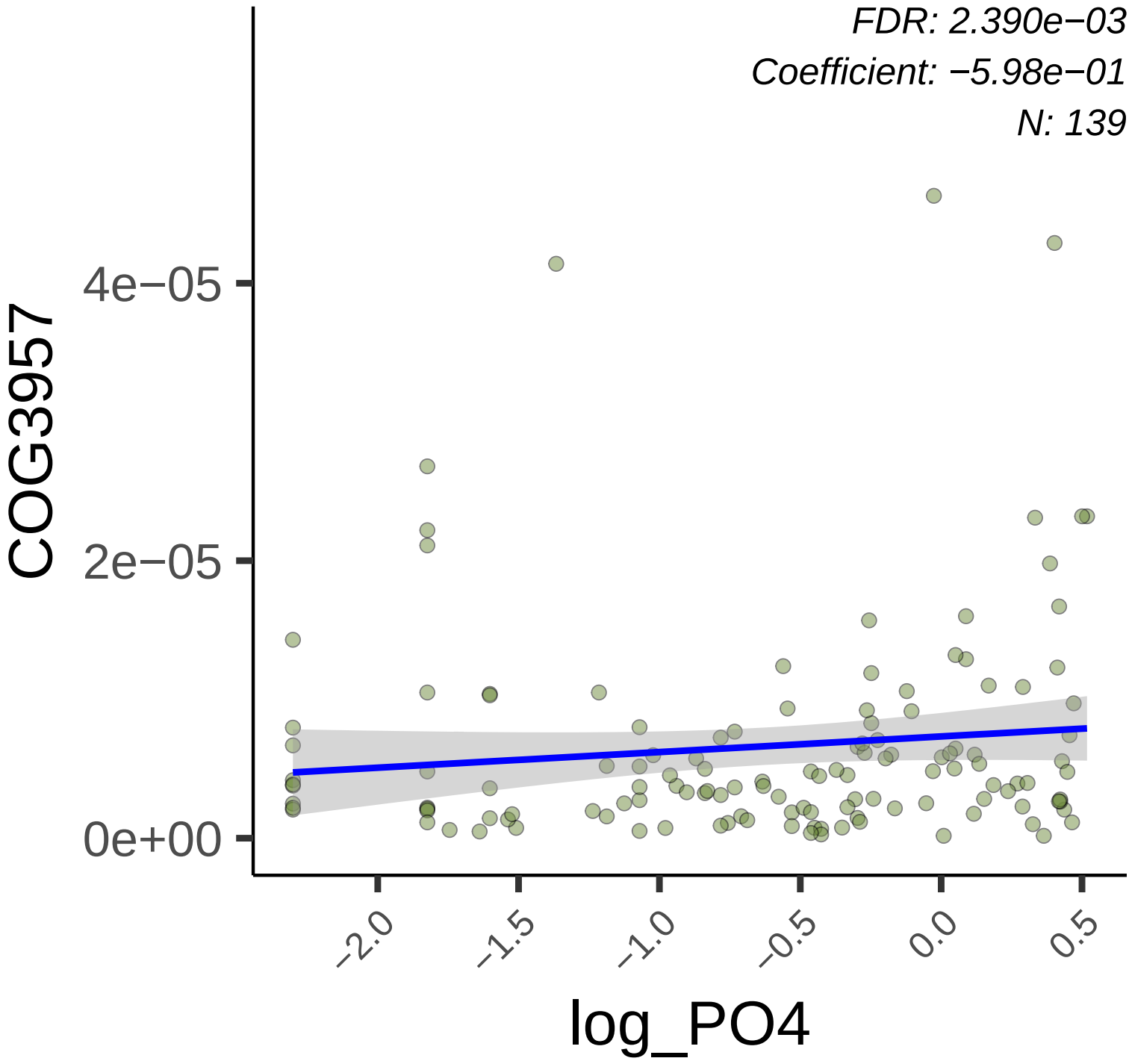
log_PO4


FDR: 2.390e−03
Coefficient: −5.98e−01
N: 139
COG3957
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2e−05
0e+00
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−1.5
−1.0
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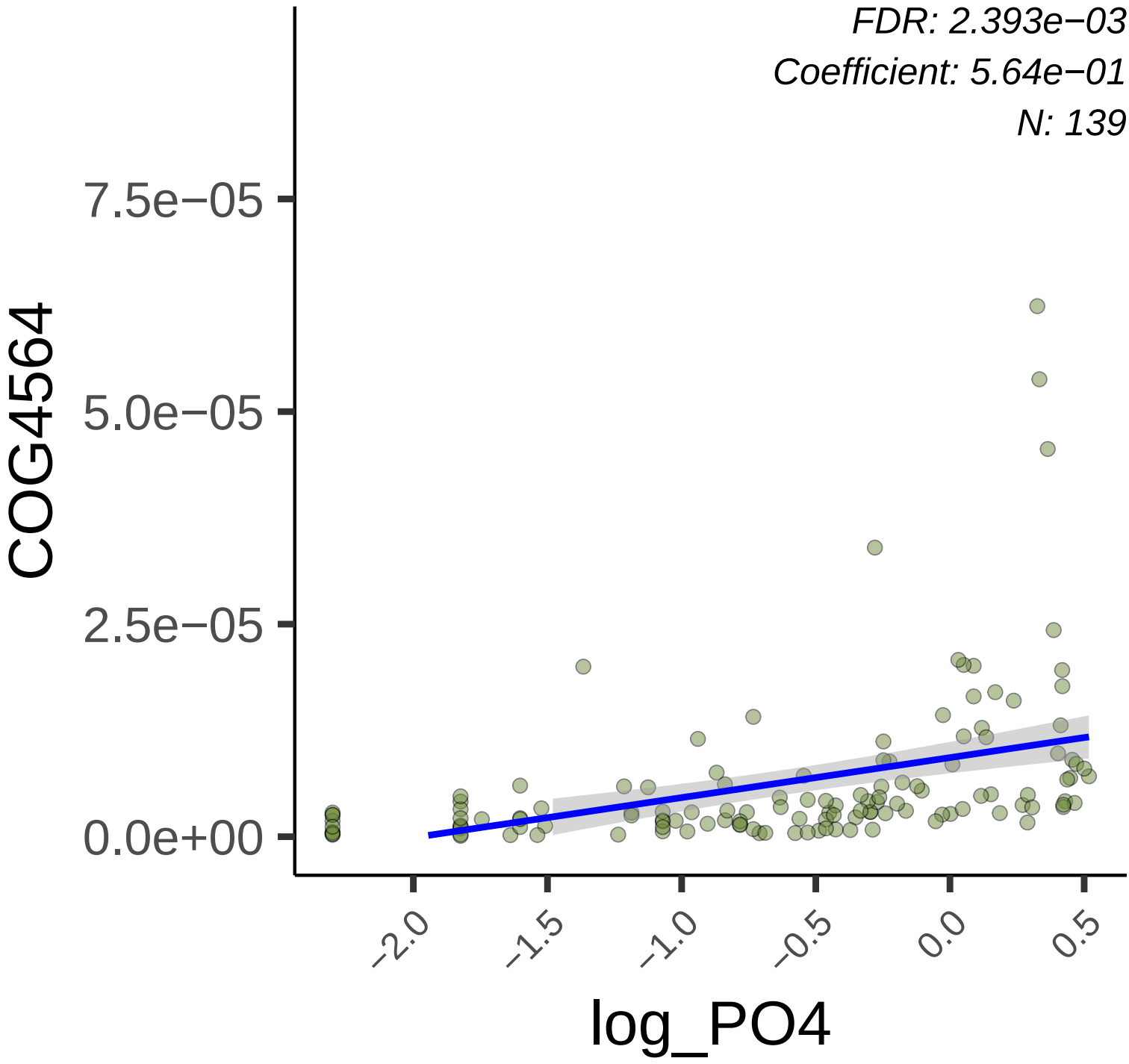
log_PO4


FDR: 2.393e−03
Coefficient: 5.64e−01
N: 139
COG4564
7.5e−05
5.0e−05
2.5e−05
0.0e+00
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−1.5
−1.0
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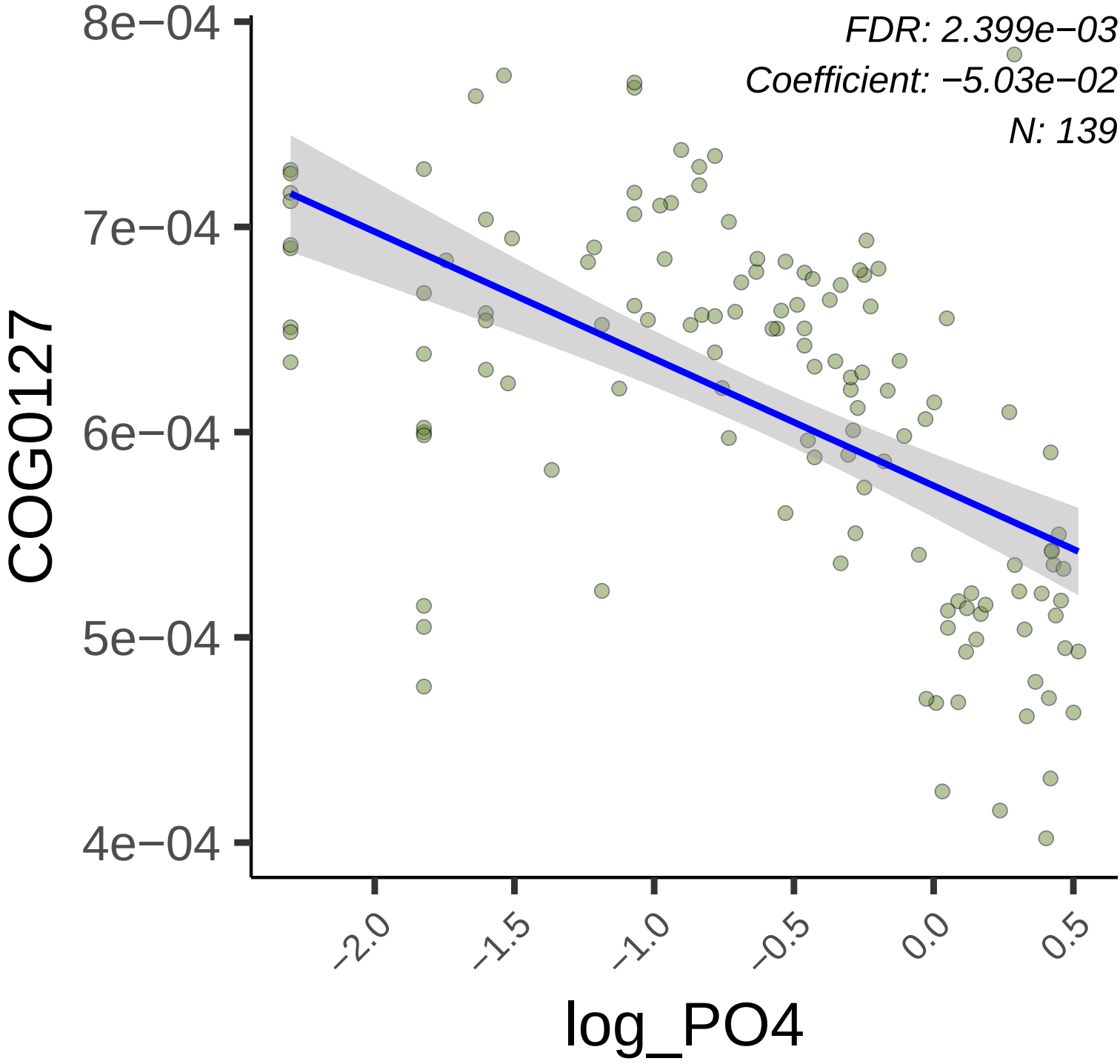
log_PO4


FDR: 2.399e−03
Coefficient: −5.03e−02
N: 139
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7e−04
6e−04
5e−04
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COG0127
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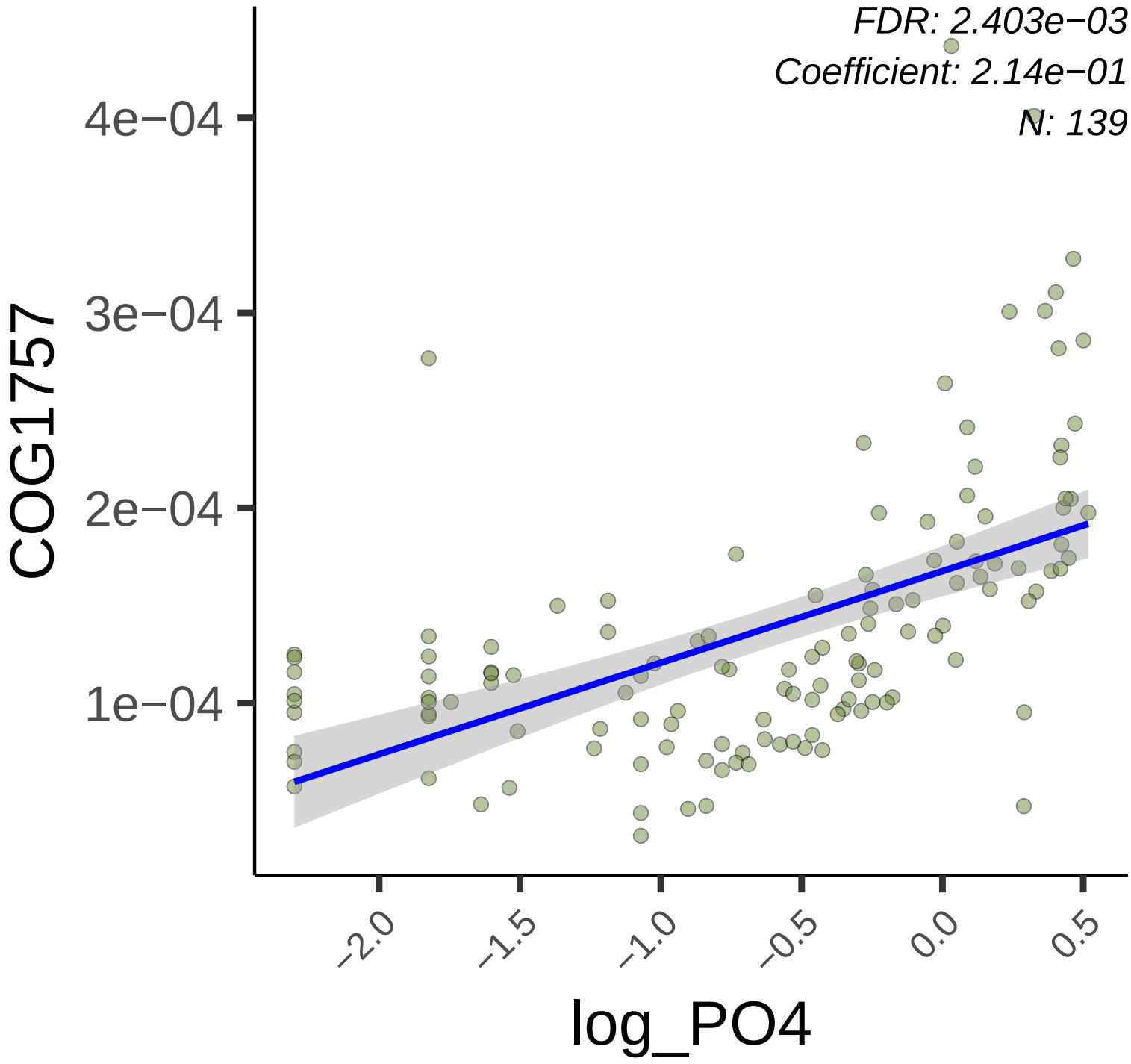
log_PO4


FDR: 2.403e−03
Coefficient: 2.14e−01
N: 139
COG1757
4e−04
3e−04
2e−04
1e−04
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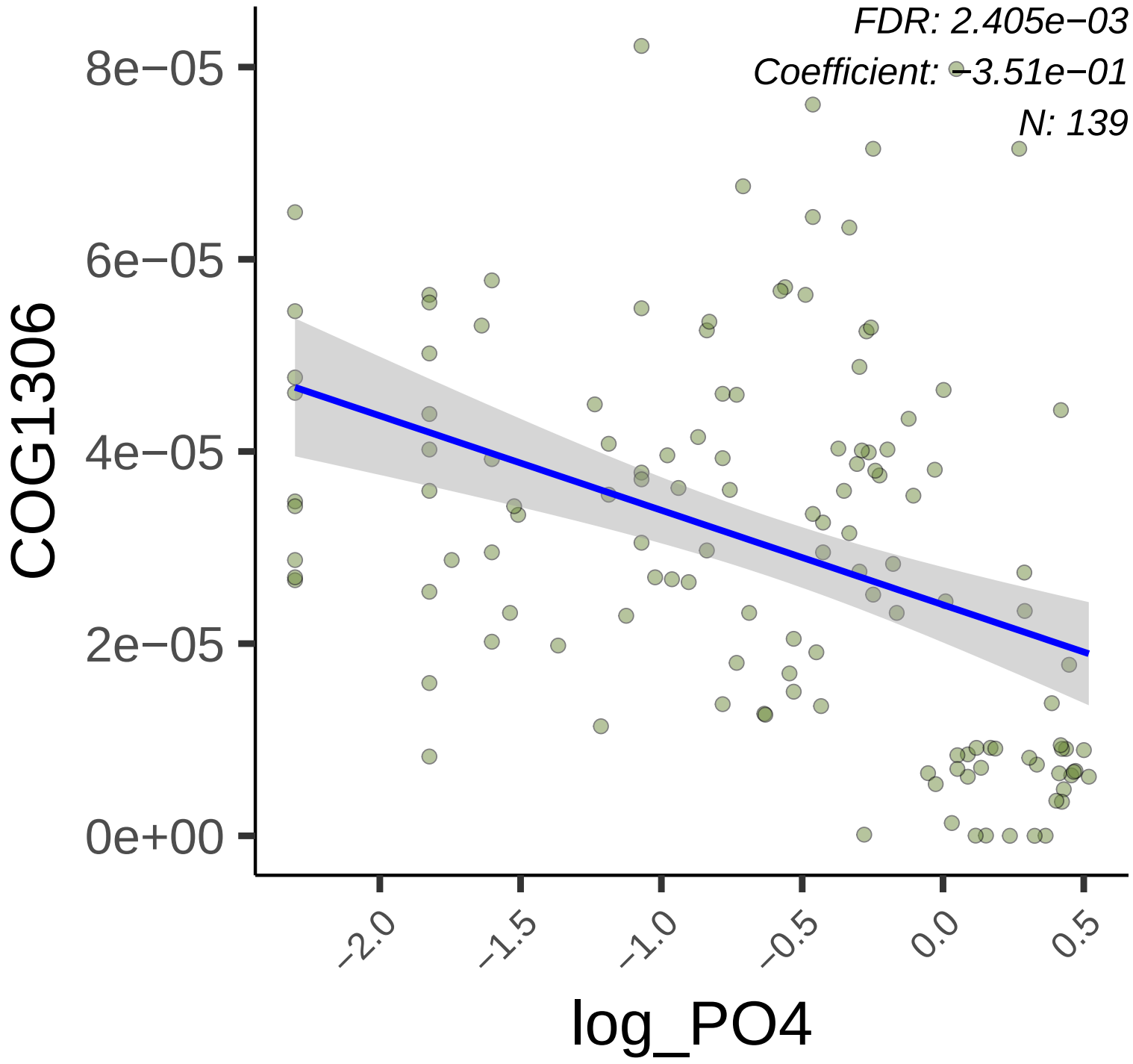
log_PO4


FDR: 2.405e−03
Coefficient: −3.51e−01
N: 139
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6e−05
4e−05
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COG1306
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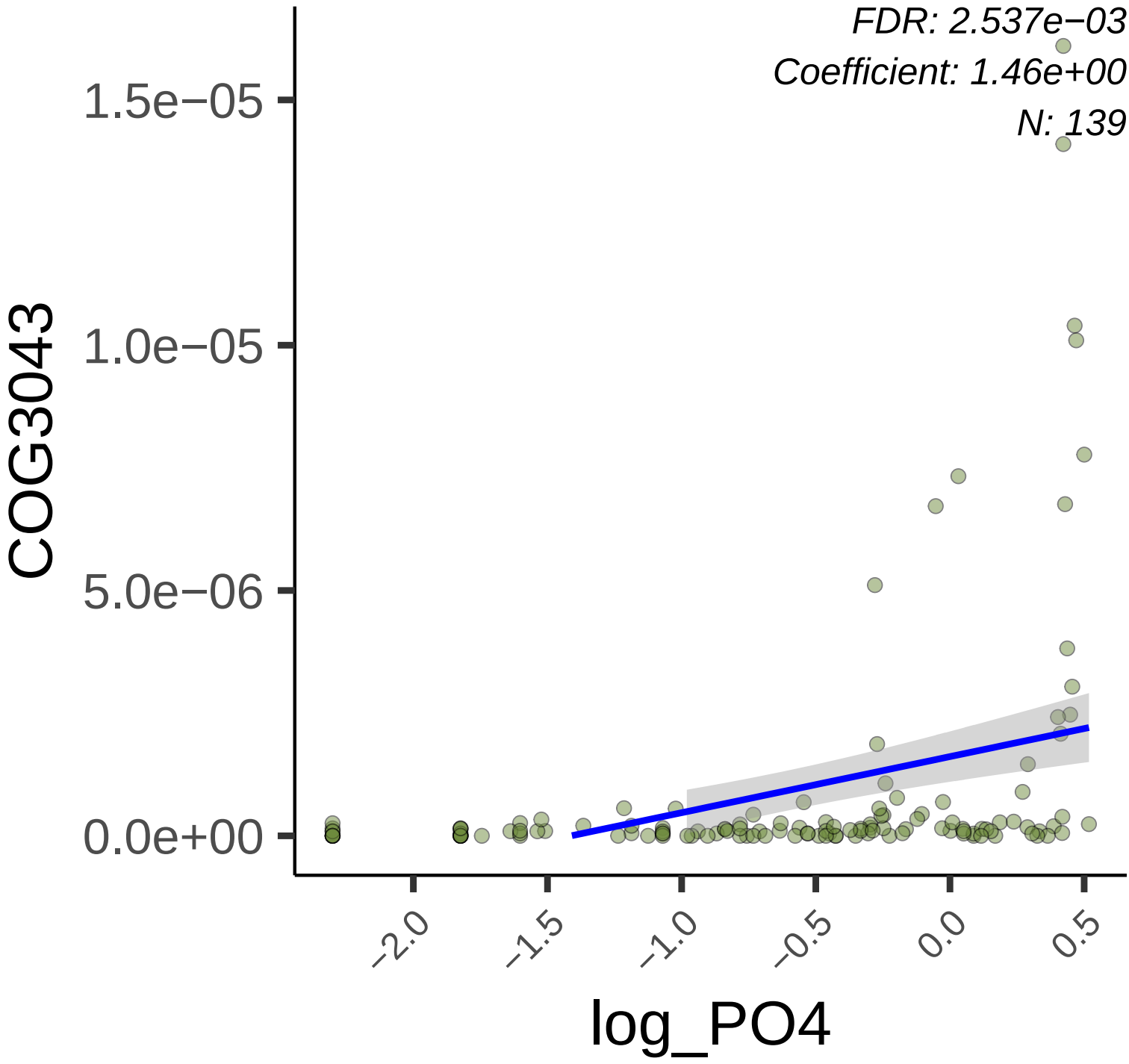
log_PO4


FDR: 2.537e−03
Coefficient: 1.46e+00
N: 139
COG3043
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1.0e−05
5.0e−06
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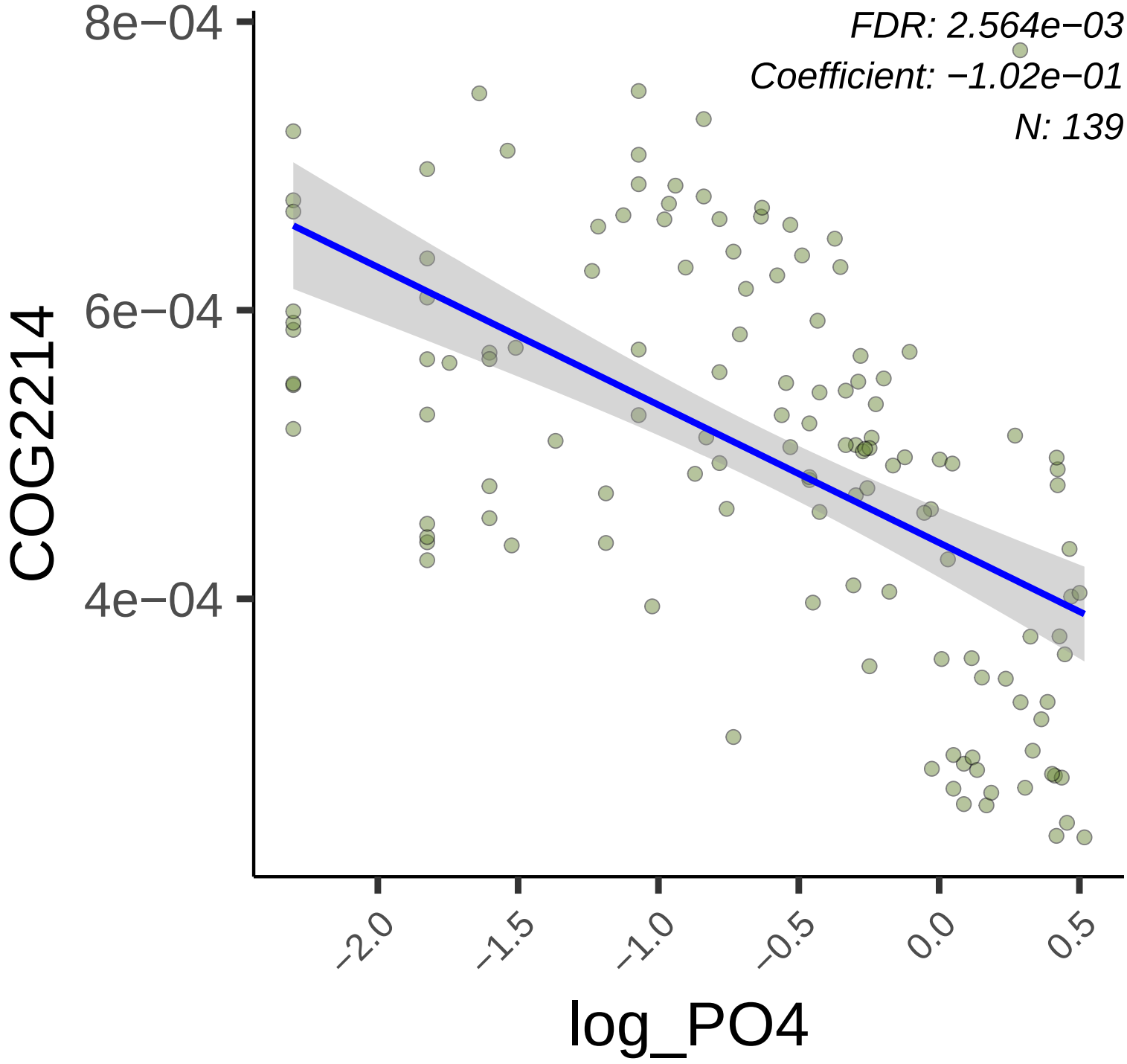
log_PO4


FDR: 2.564e−03
Coefficient: −1.02e−01
N: 139
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COG2214
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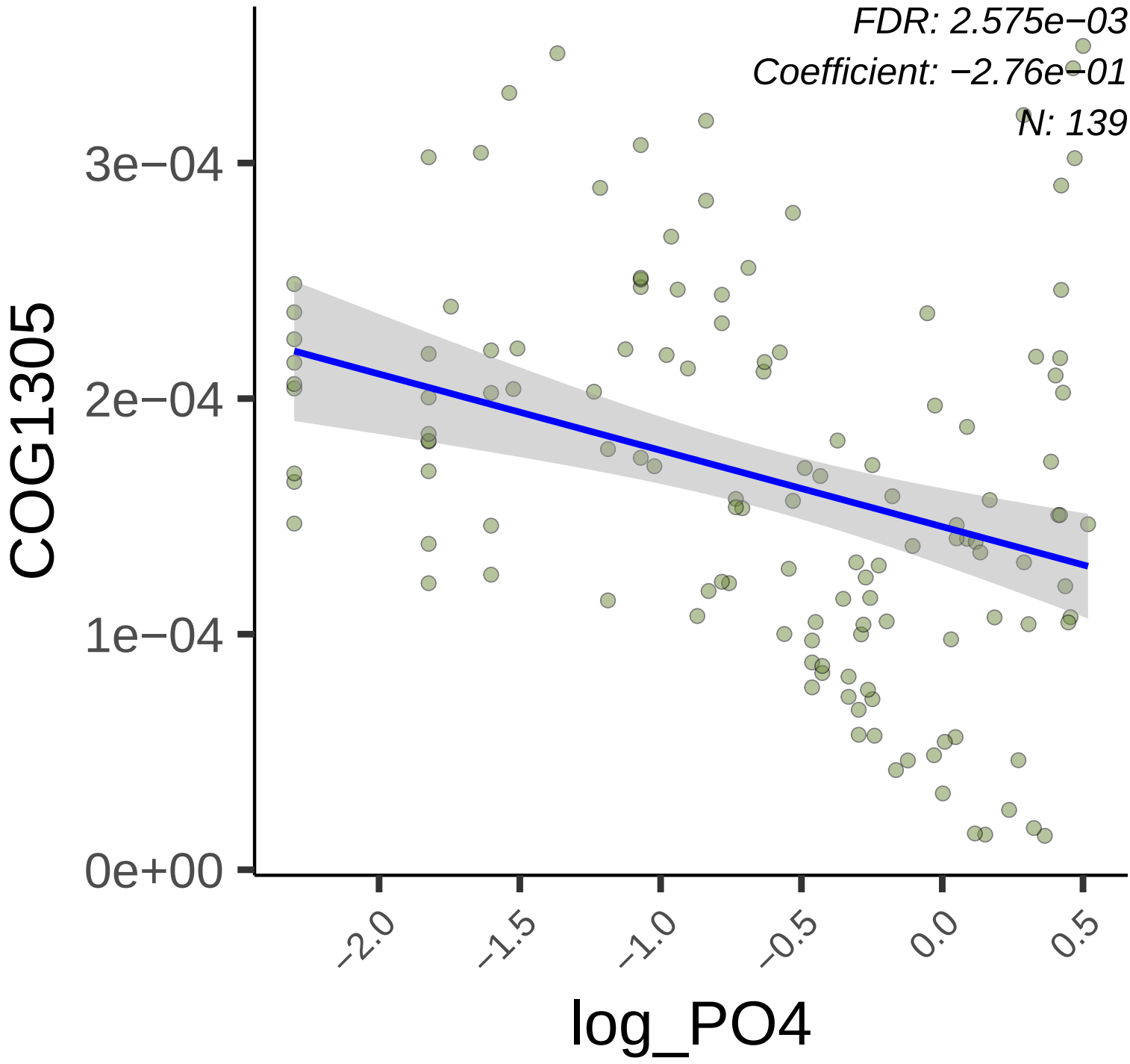
log_PO4


FDR: 2.575e−03
Coefficient: −2.76e−01
N: 139
COG1305
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−1.5
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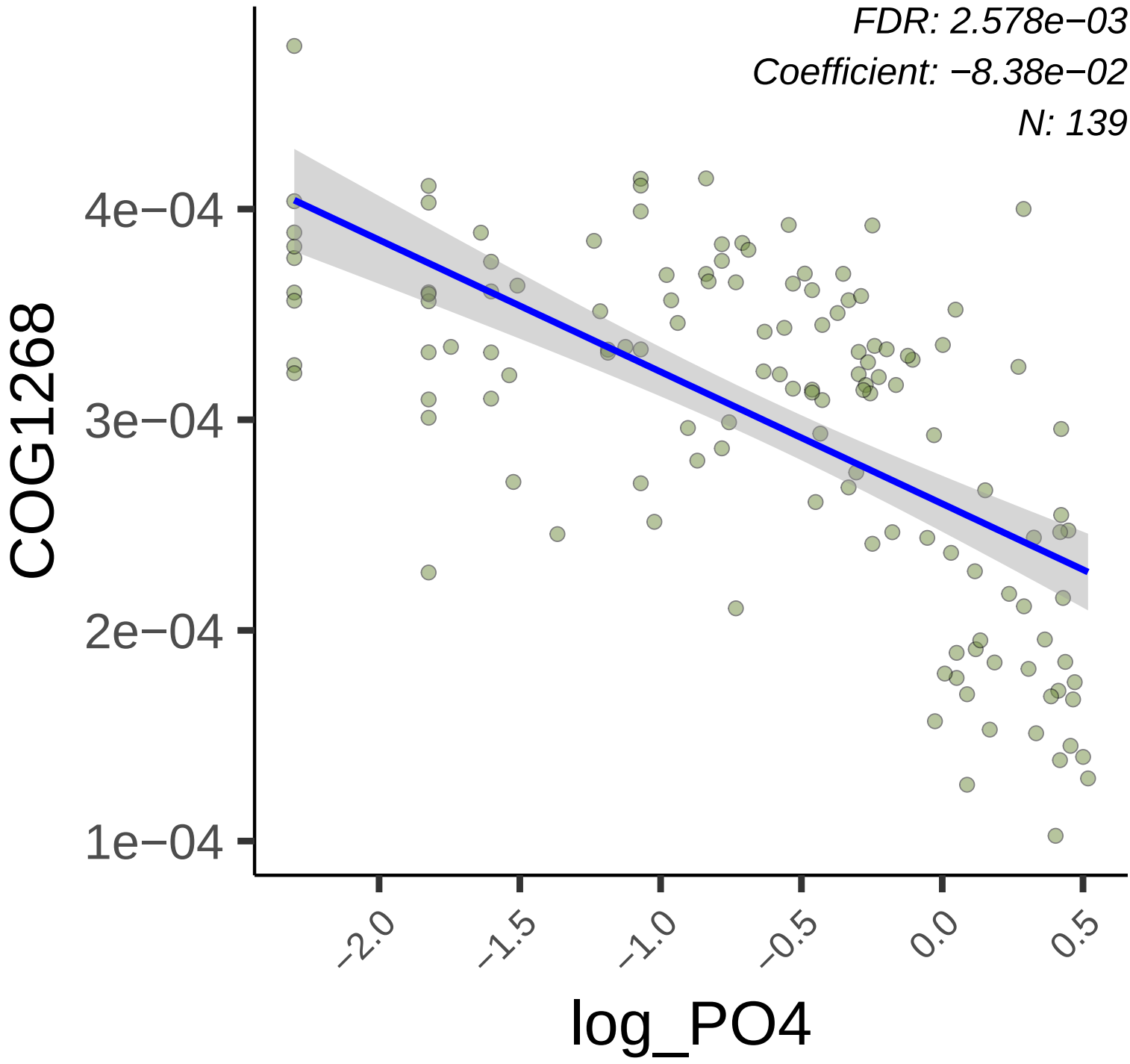
log_PO4


FDR: 2.578e−03
Coefficient: −8.38e−02
N: 139
COG1268
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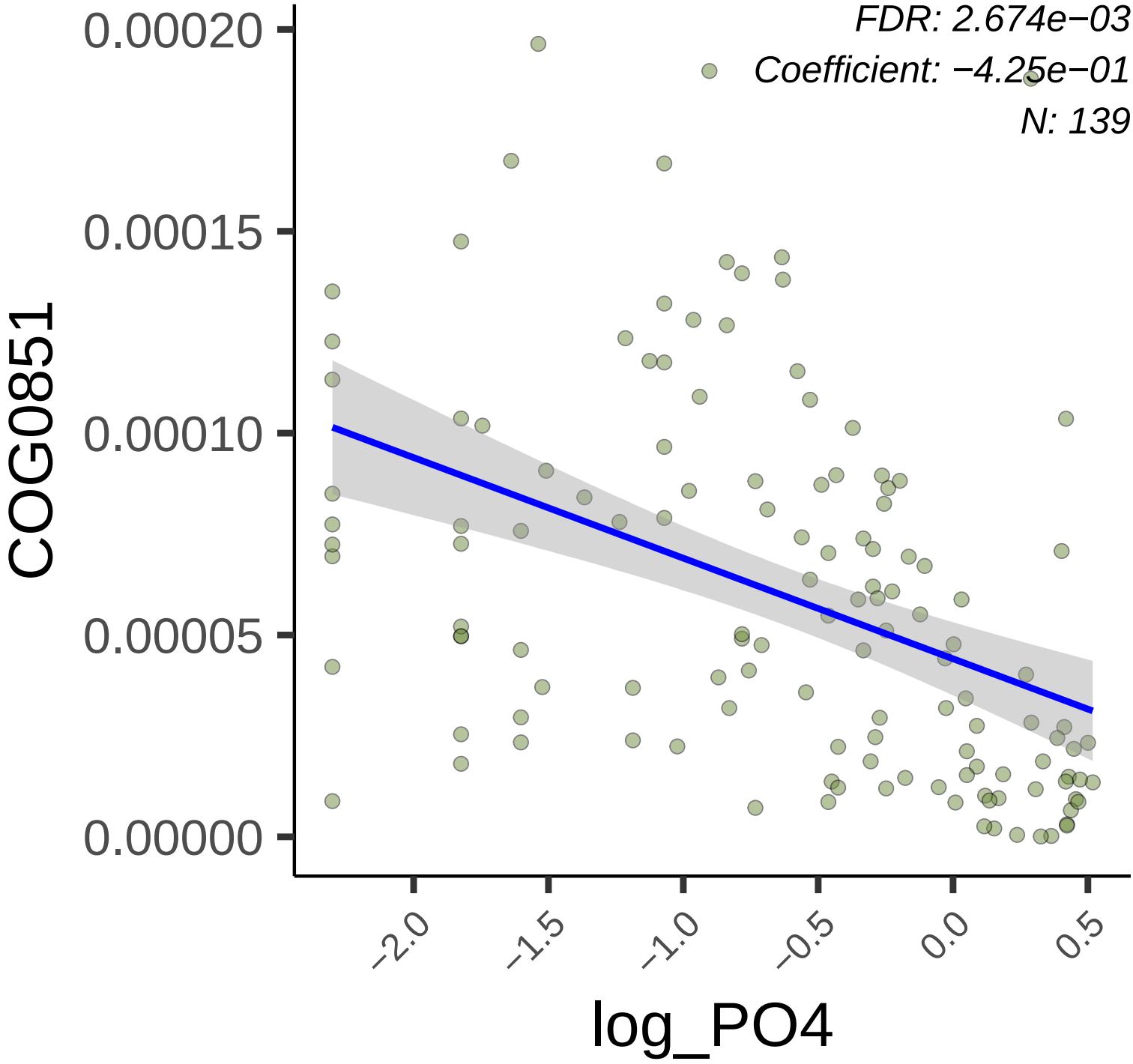
log_PO4


FDR: 2.674e−03
Coefficient: −4.25e−01
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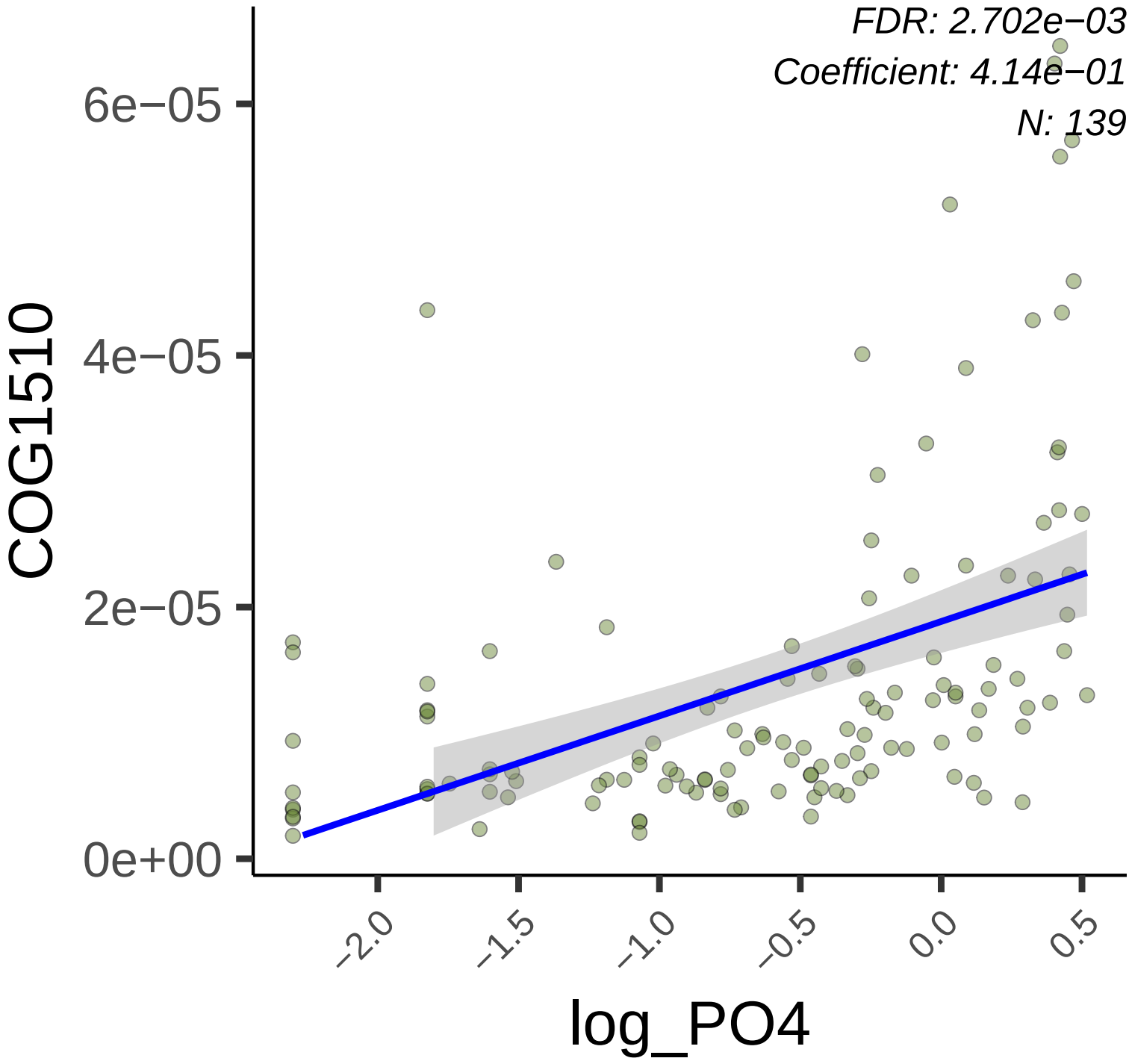
log_PO4


FDR: 2.702e−03
Coefficient: 4.14e−01
N: 139
COG1510
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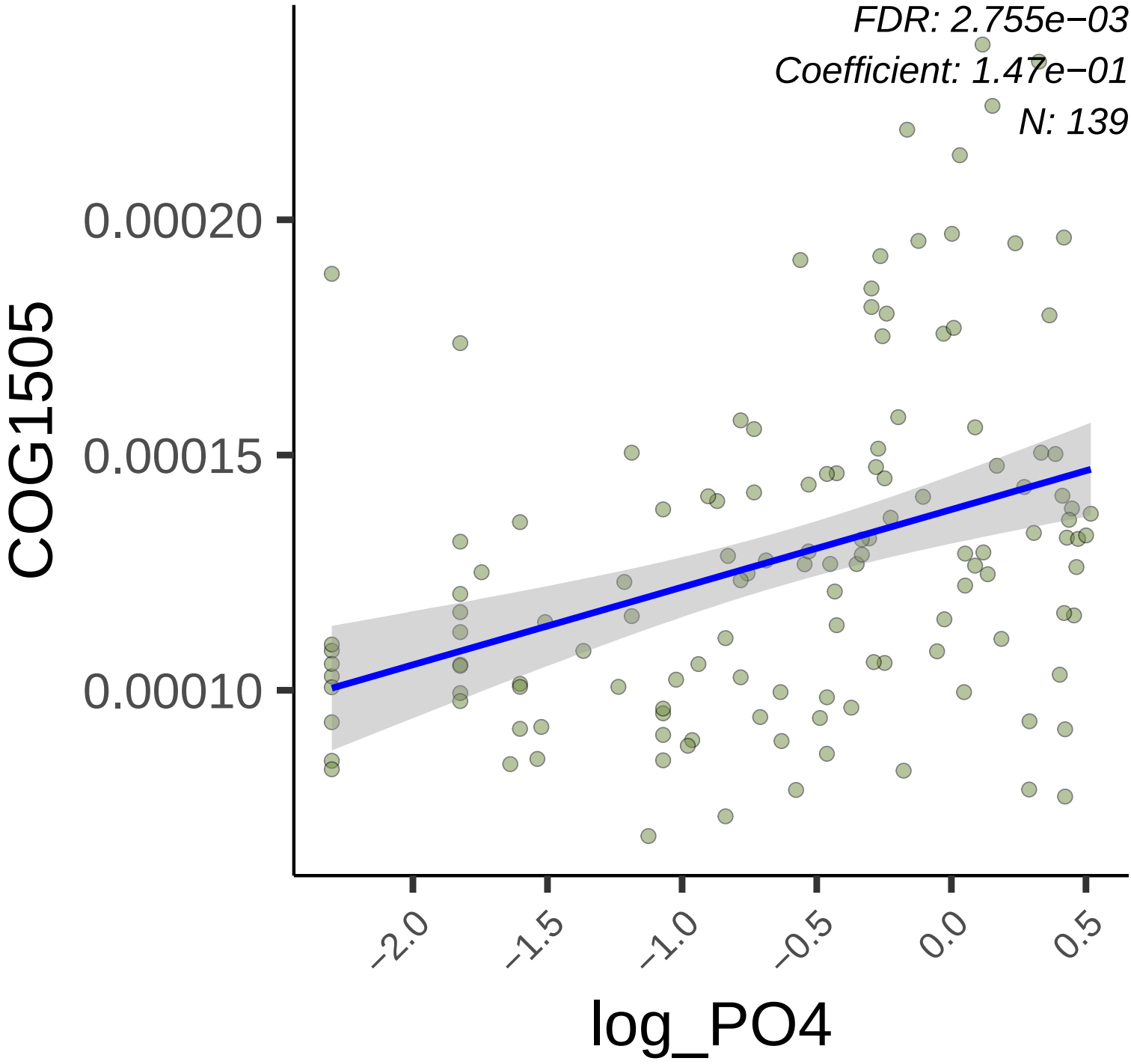
log_PO4


FDR: 2.755e−03
Coefficient: 1.47e−01
N: 139
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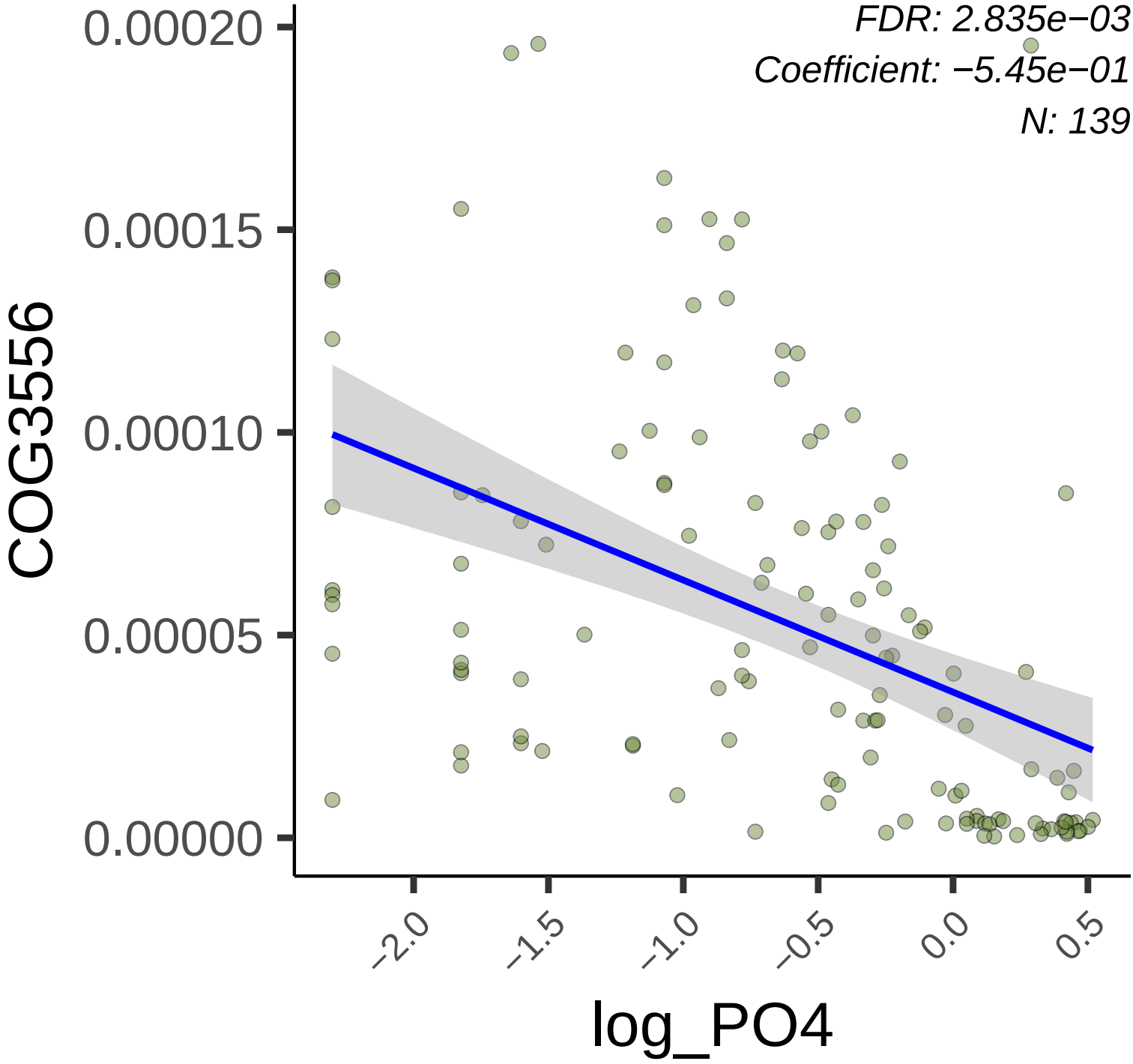
log_PO4


FDR: 2.835e−03
Coefficient: −5.45e−01
N: 139
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COG3556
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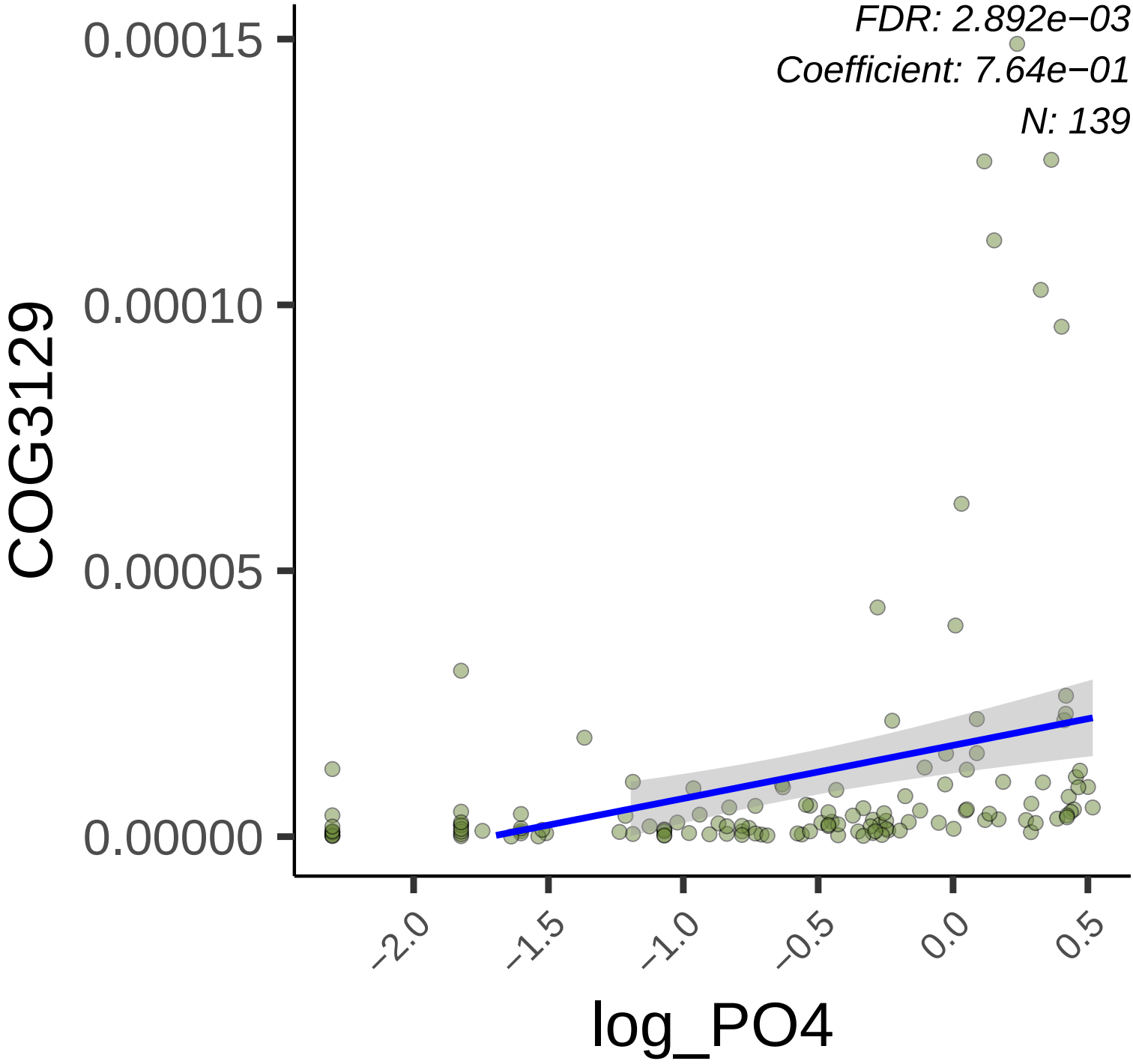
log_PO4


FDR: 2.892e−03
Coefficient: 7.64e−01
N: 139
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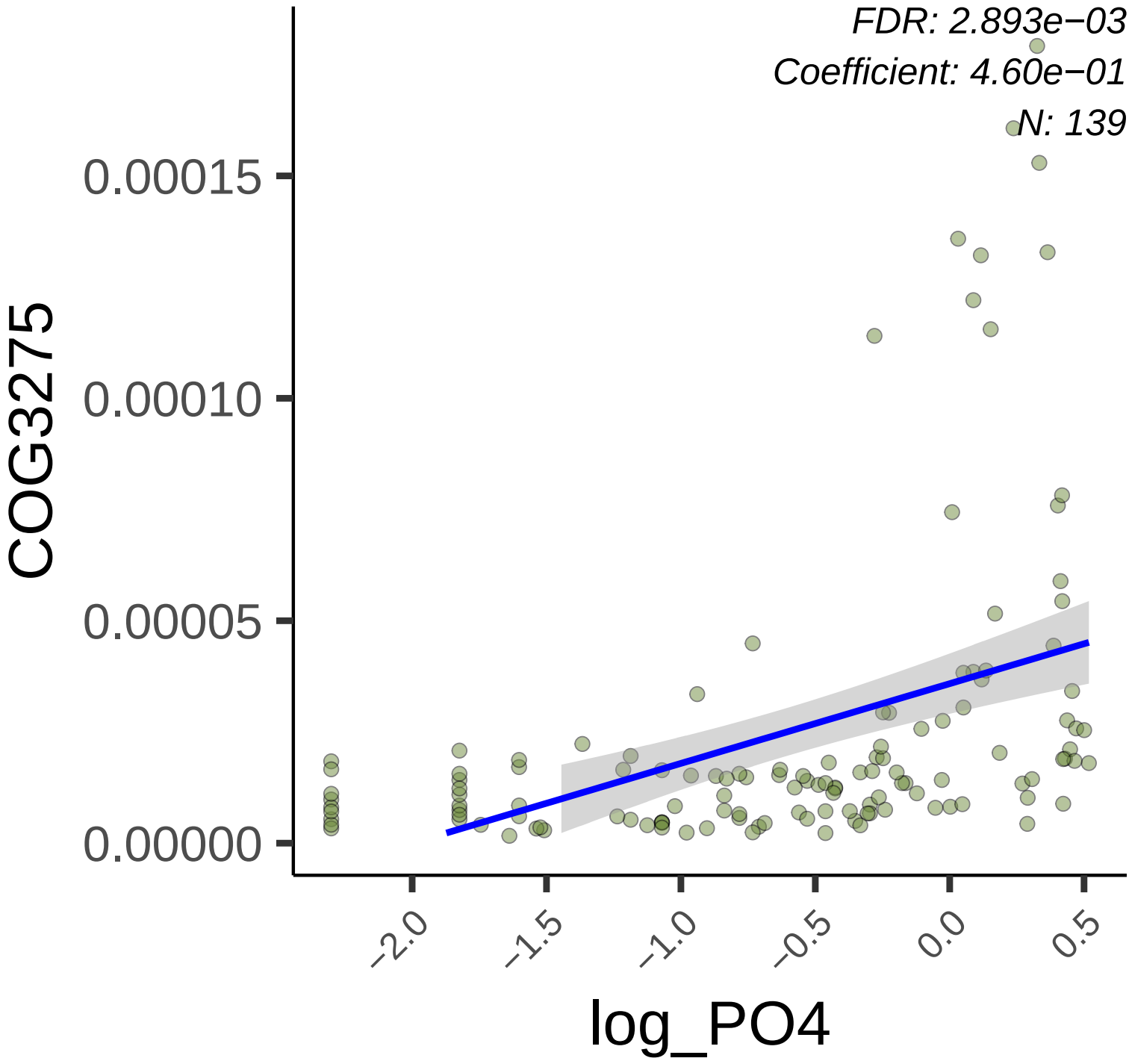
log_PO4


FDR: 2.893e−03
Coefficient: 4.60e−01
N: 139
COG3275
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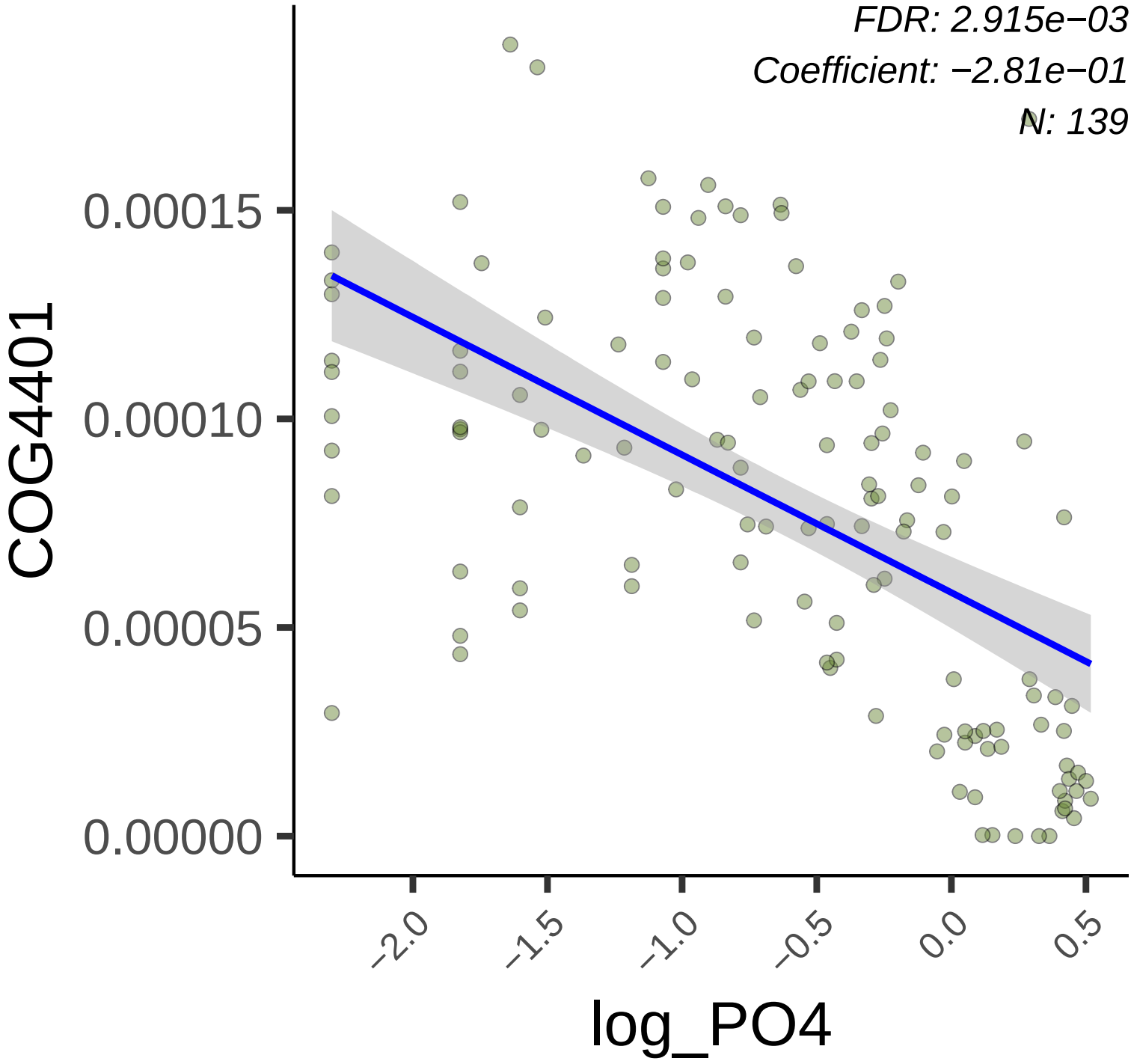
log_PO4


FDR: 2.915e−03
Coefficient: −2.81e−01
N: 139
COG4401
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0.00000
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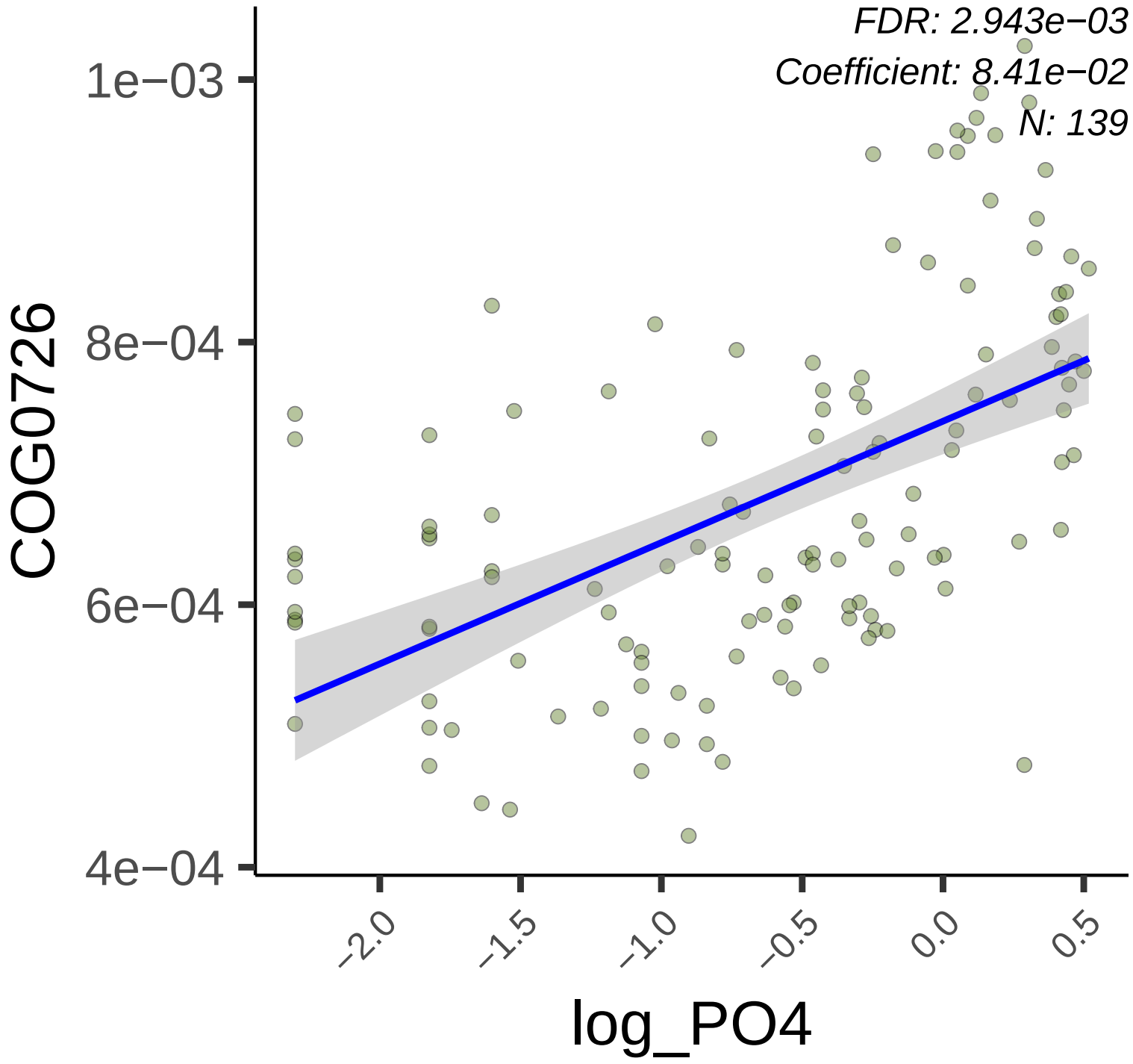
log_PO4


FDR: 2.943e−03
Coefficient: 8.41e−02
N: 139
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COG0726
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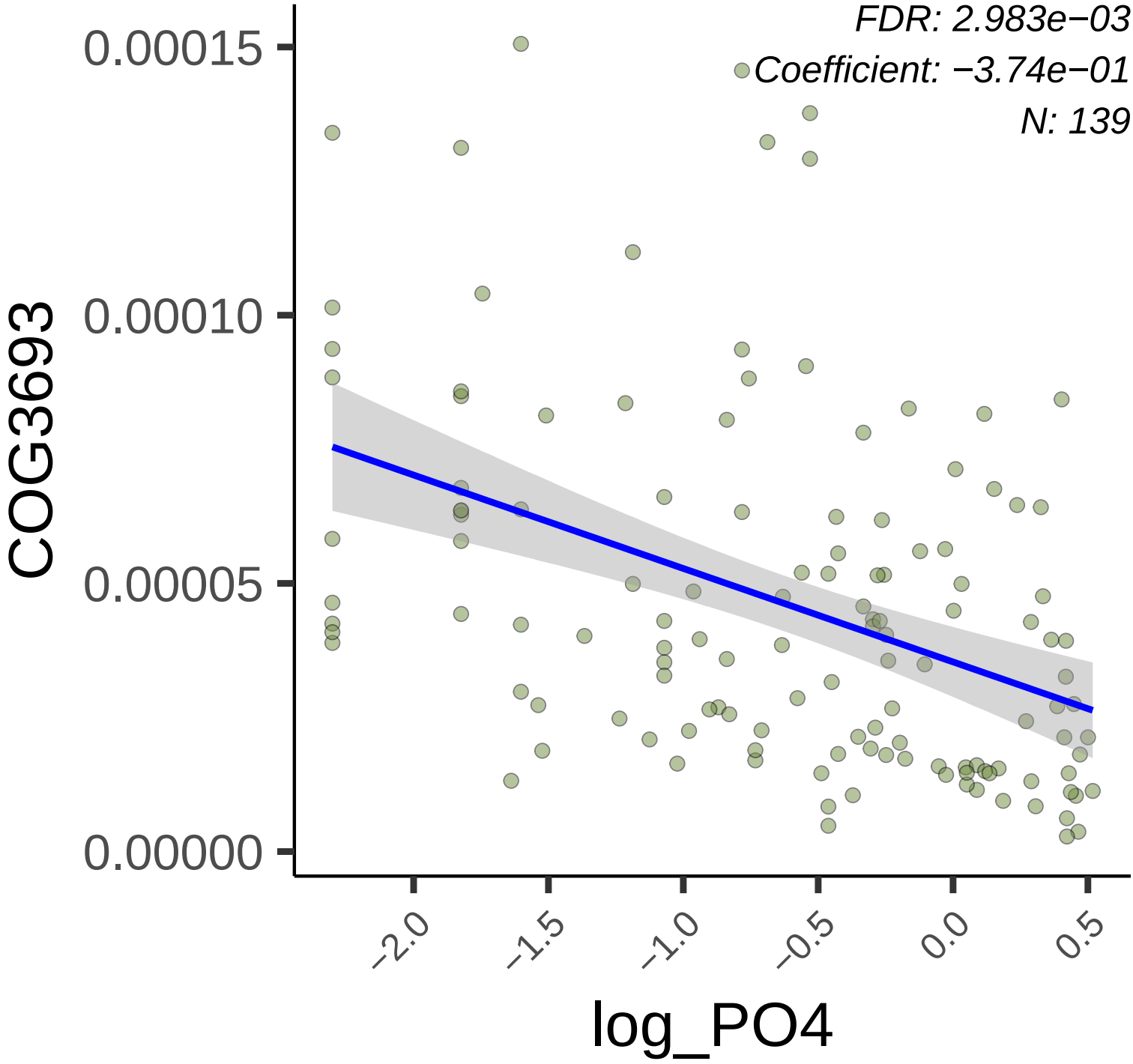
log_PO4


FDR: 2.983e−03
Coefficient: −3.74e−01
N: 139
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0.00010
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COG3693
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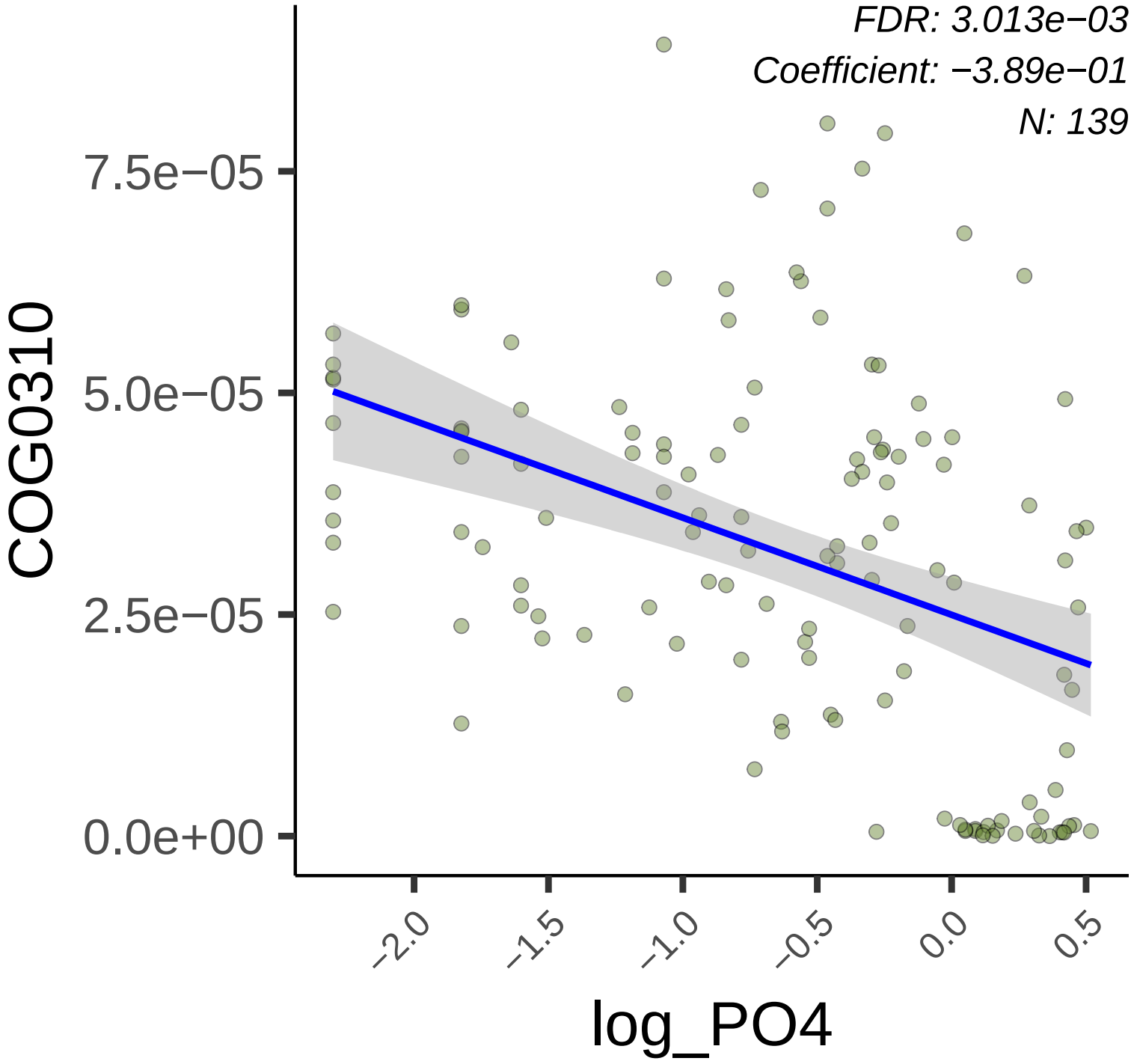
log_PO4


FDR: 3.013e−03
Coefficient: −3.89e−01
N: 139
COG0310
7.5e−05
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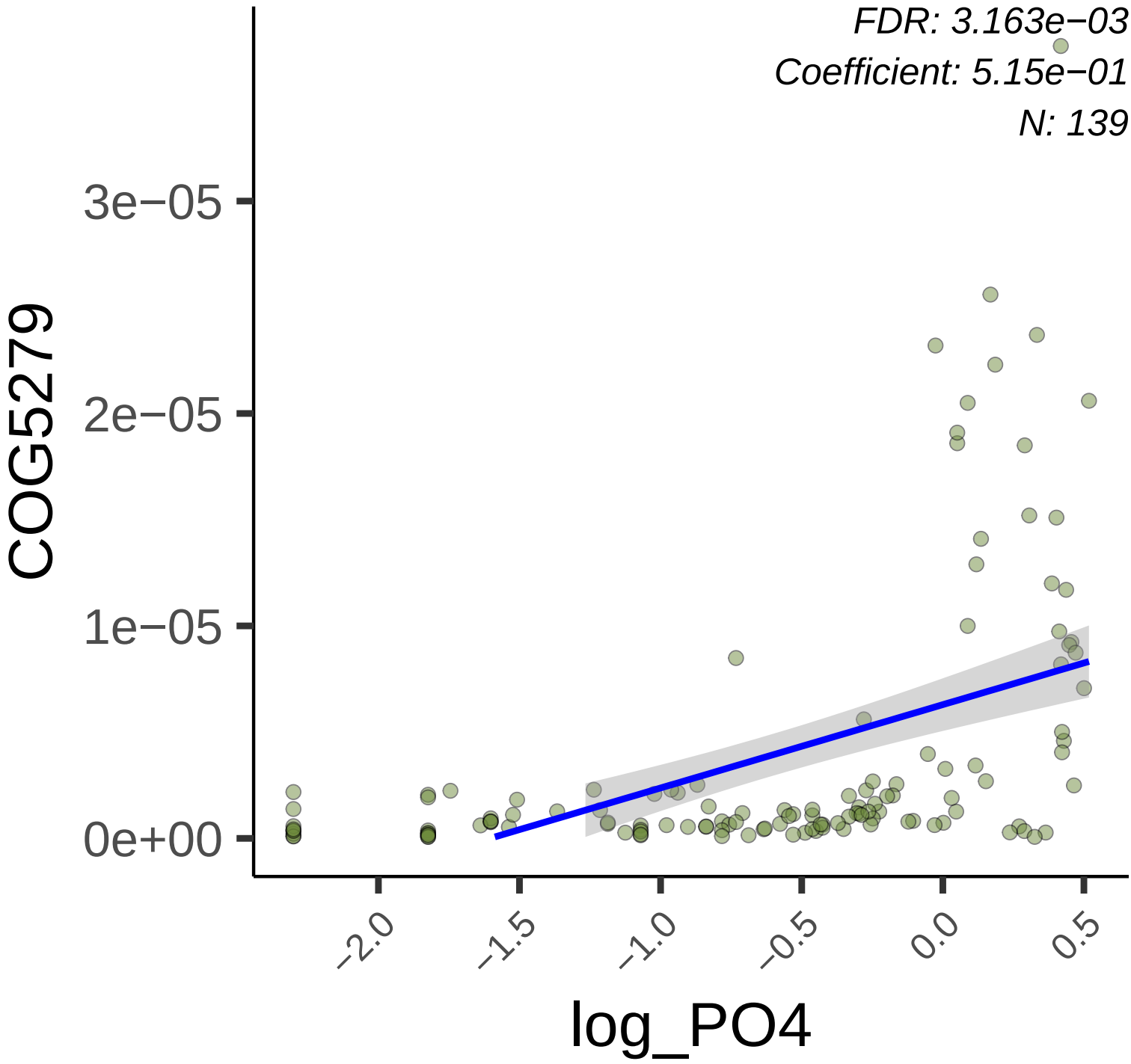
log_PO4


FDR: 3.163e−03
Coefficient: 5.15e−01
N: 139
COG5279
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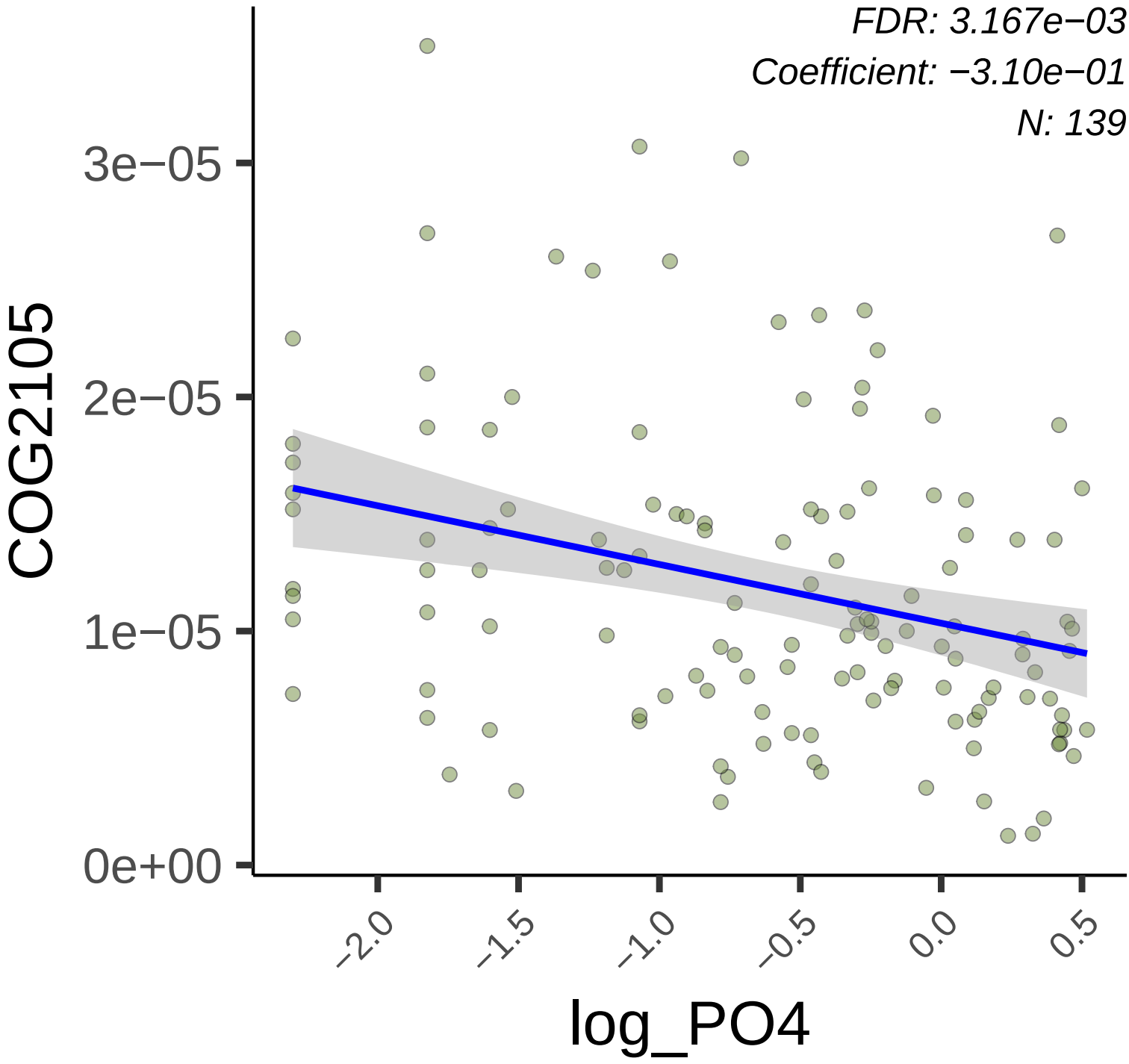
log_PO4


FDR: 3.167e−03
Coefficient: −3.10e−01
N: 139
COG2105
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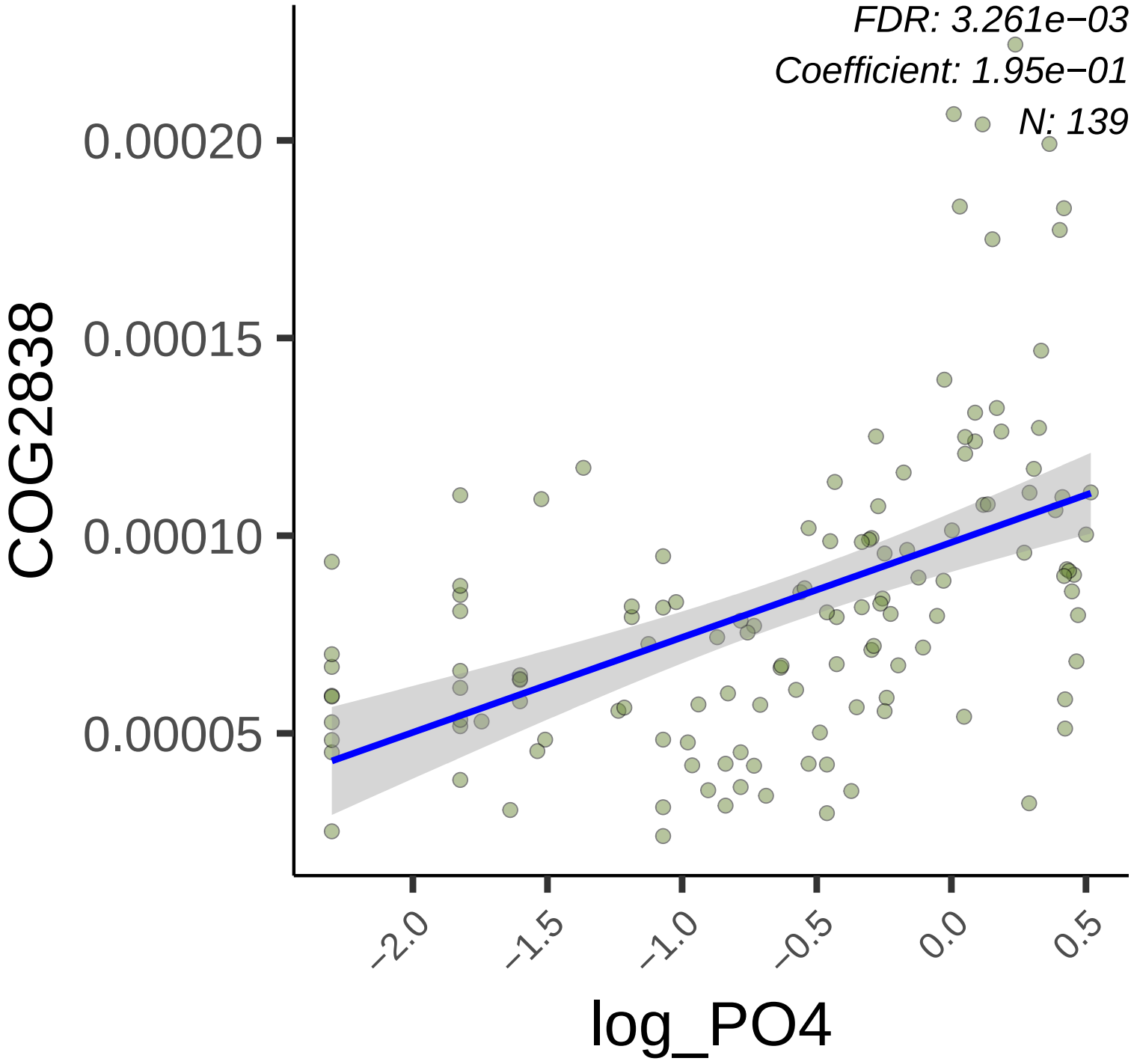
log_PO4


FDR: 3.261e−03
Coefficient: 1.95e−01
N: 139
COG2838
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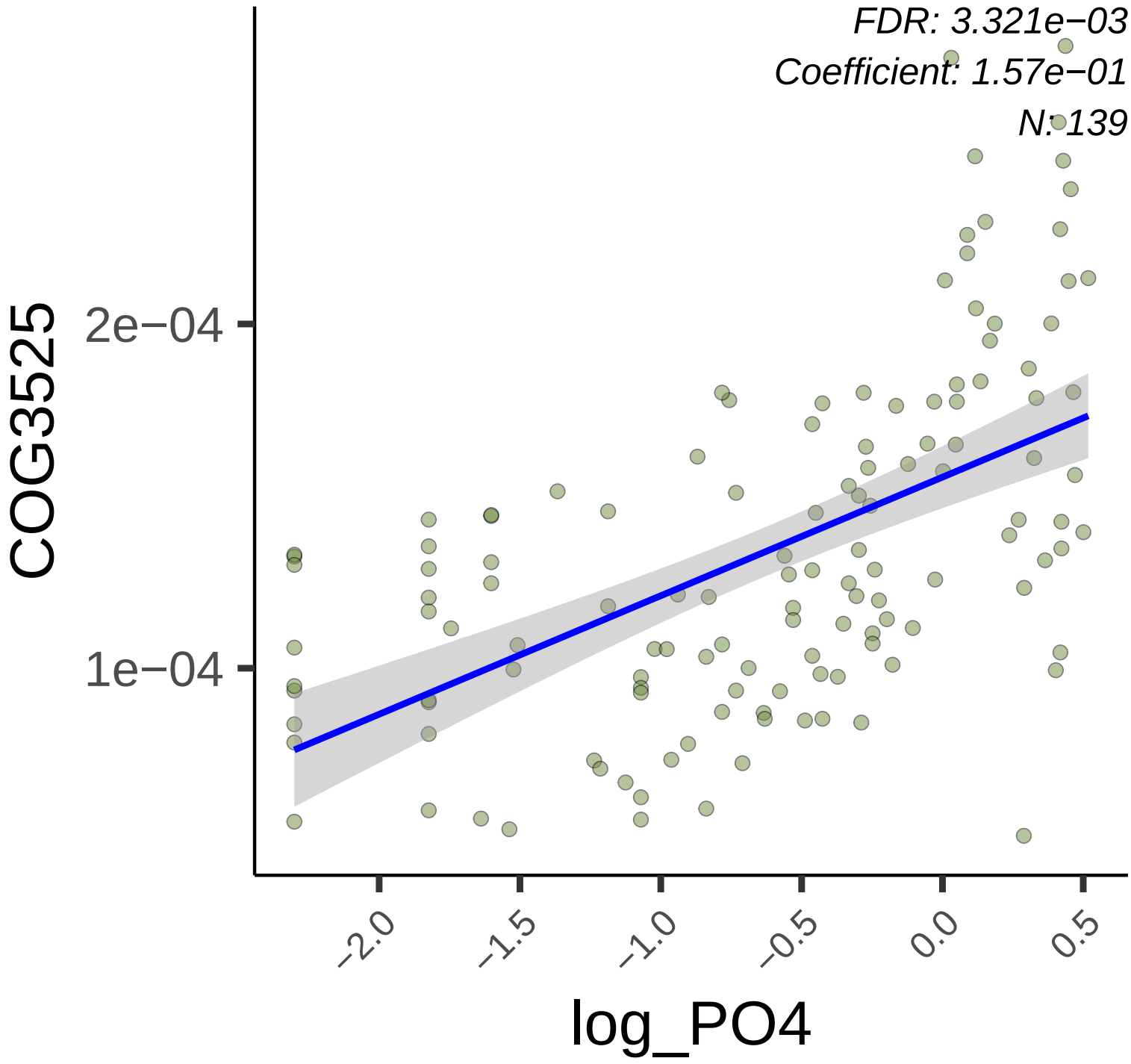
log_PO4


FDR: 3.321e−03
Coefficient: 1.57e−01
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COG3525
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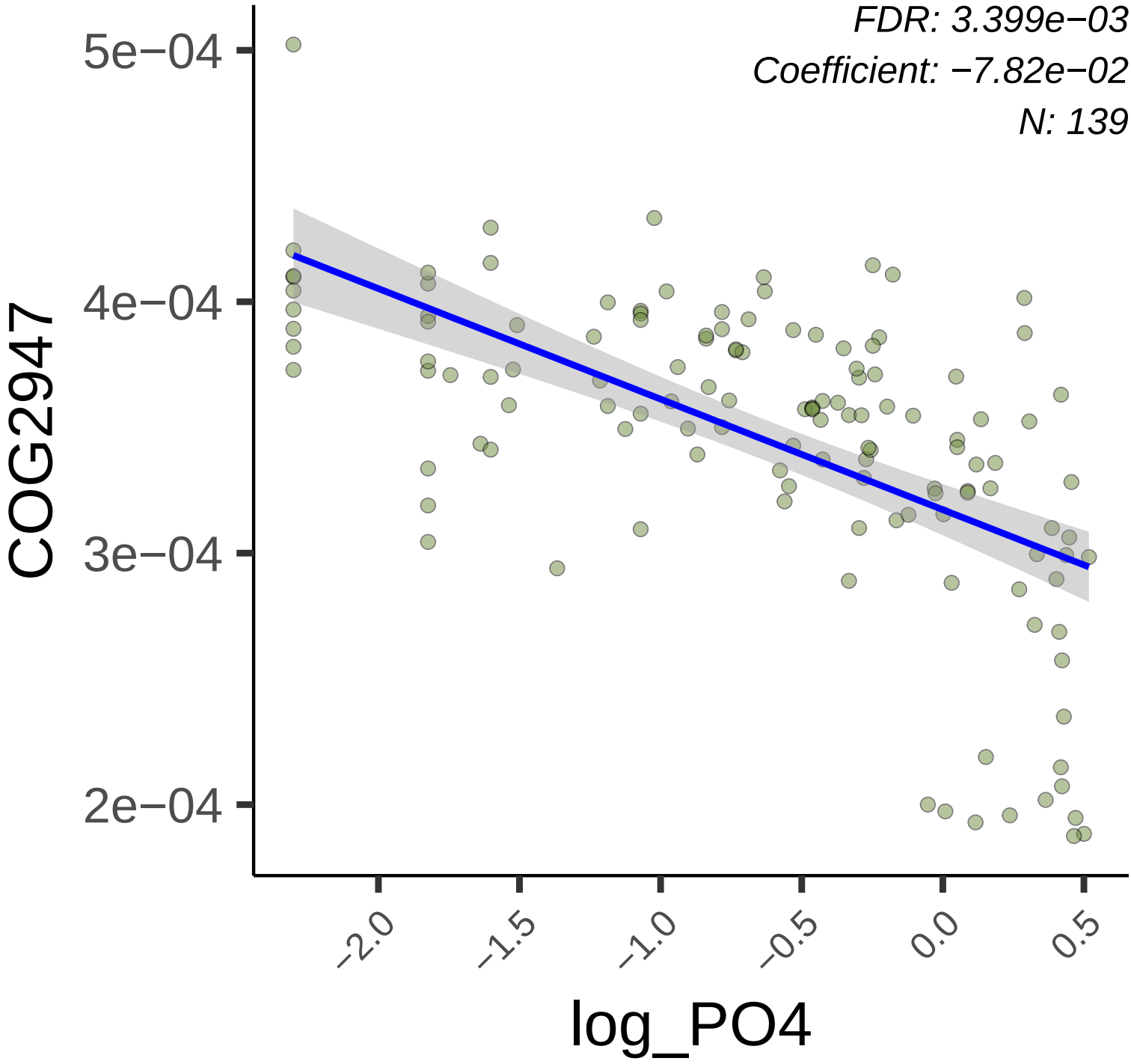
log_PO4


FDR: 3.399e−03
Coefficient: −7.82e−02
N: 139
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4e−04
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COG2947
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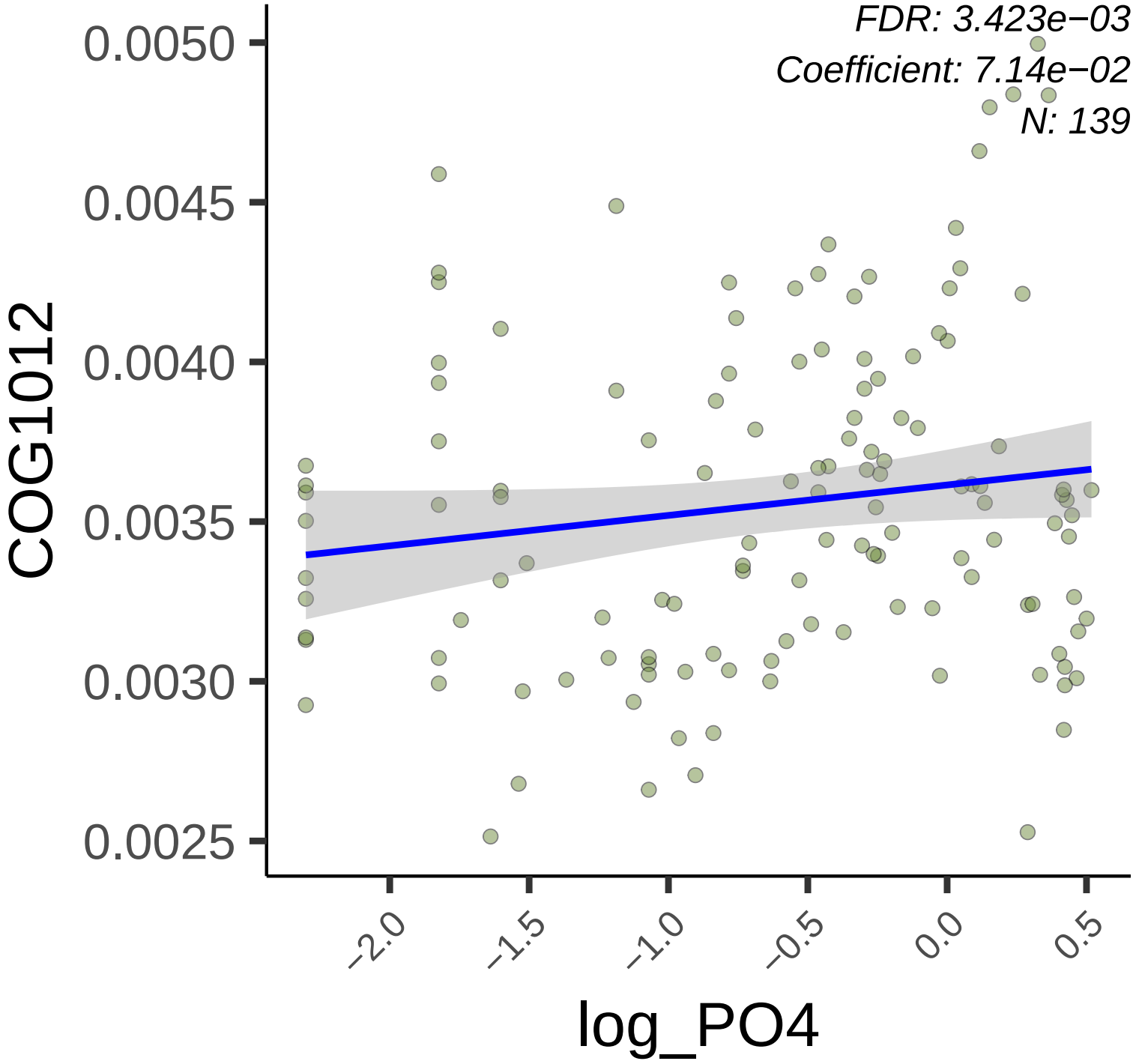
log_PO4


FDR: 3.423e−03
Coefficient: 7.14e−02
N: 139
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0.0045
0.0040
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0.0030
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COG1012
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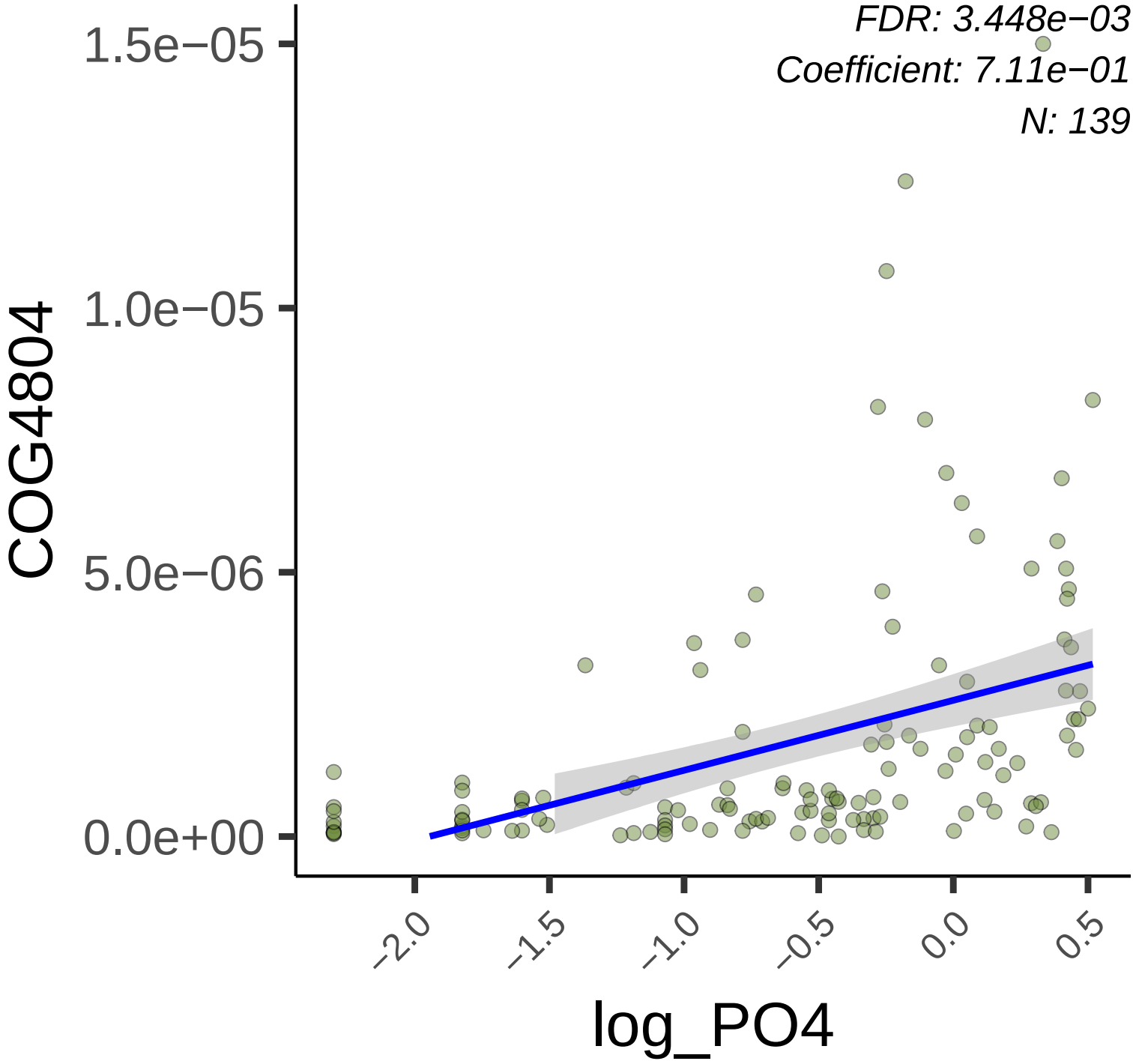
log_PO4


FDR: 3.448e−03
Coefficient: 7.11e−01
N: 139
1.5e−05
1.0e−05
5.0e−06
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COG4804
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−1.5
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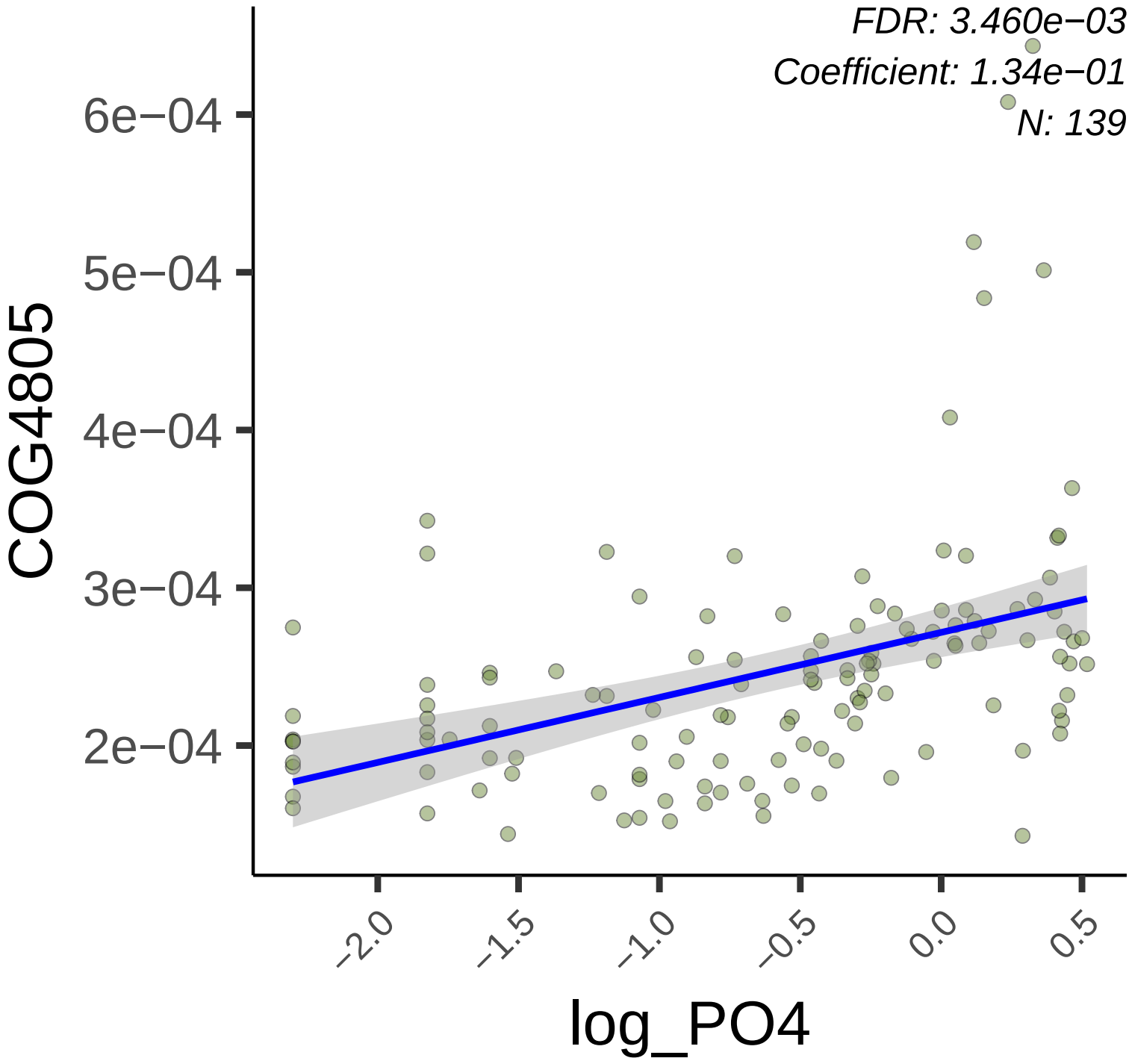
log_PO4


FDR: 3.460e−03
Coefficient: 1.34e−01
N: 139
COG4805
6e−04
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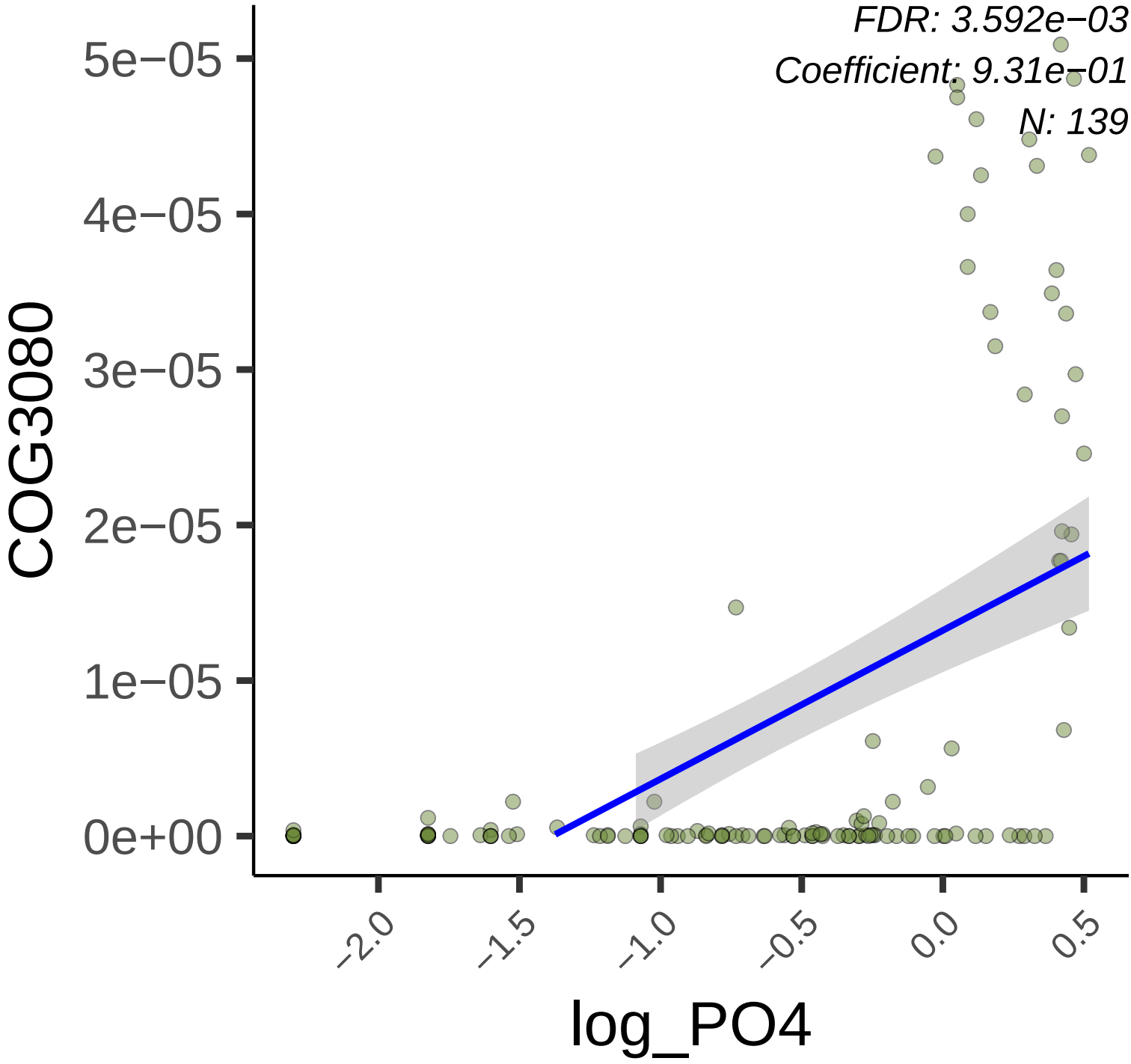
log_PO4


FDR: 3.592e−03
Coefficient: 9.31e−01
N: 139
COG3080
5e−05
4e−05
3e−05
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0e+00
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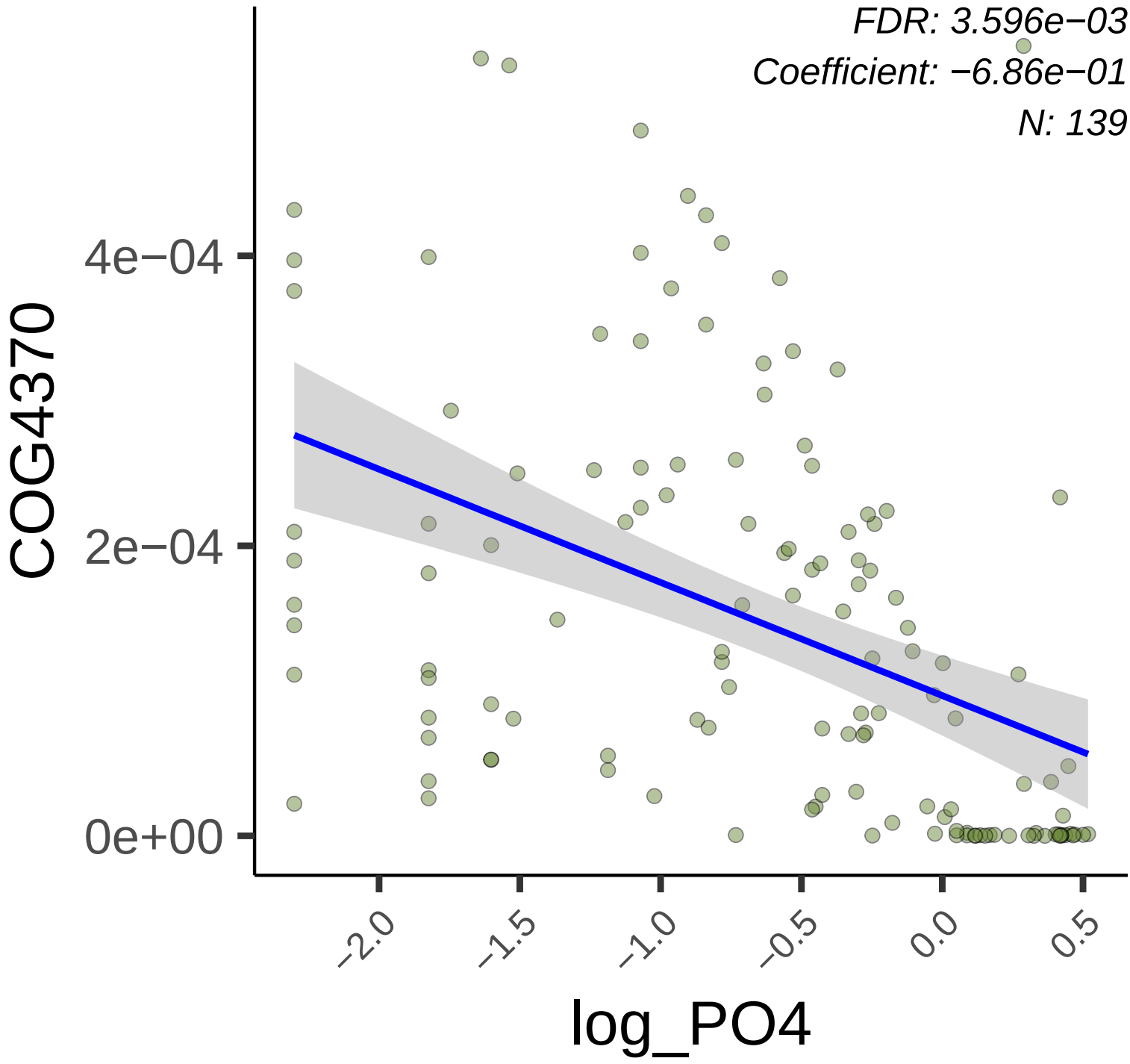
log_PO4


FDR: 3.596e−03
Coefficient: −6.86e−01
N: 139
COG4370
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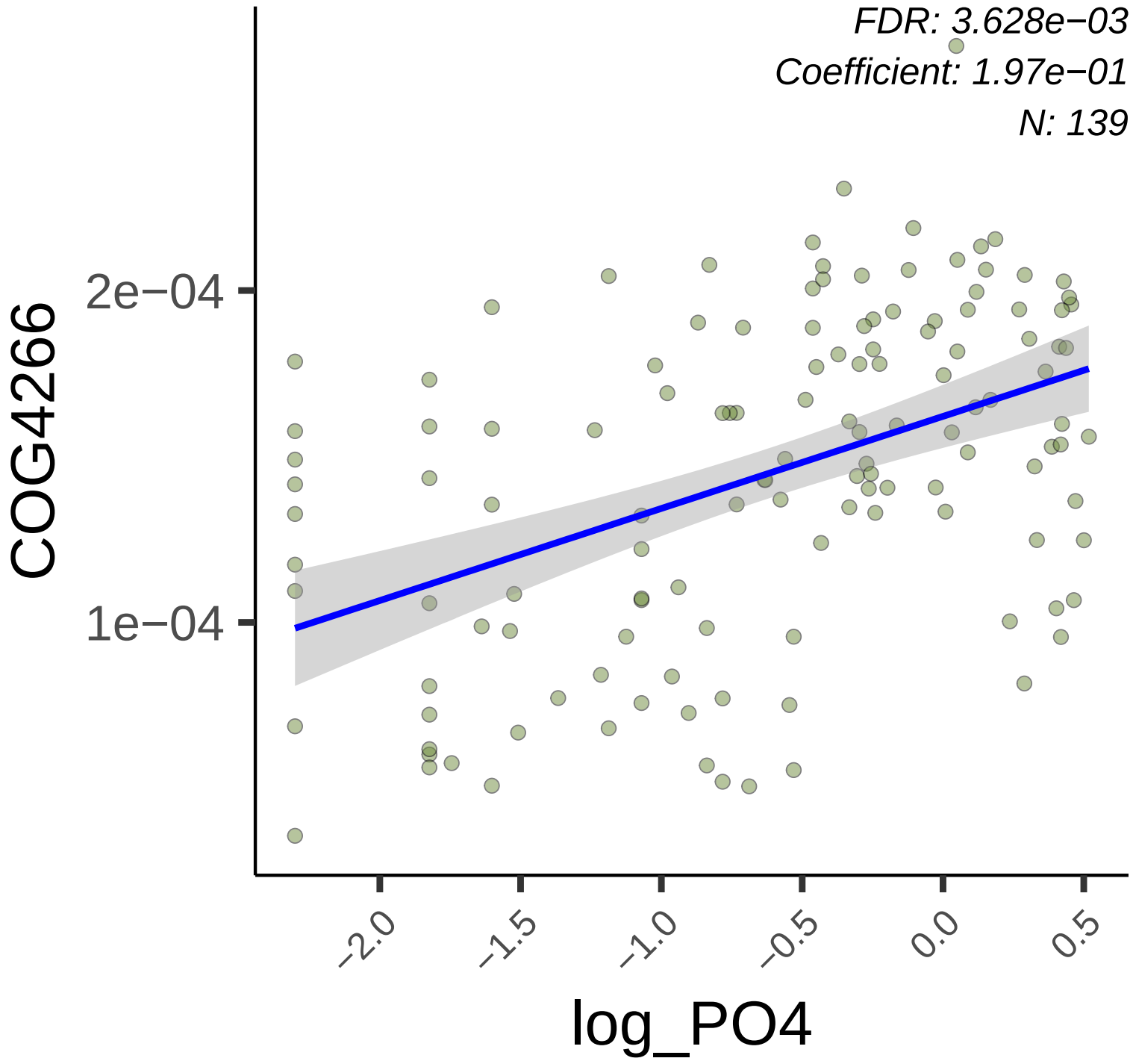
log_PO4


FDR: 3.628e−03
Coefficient: 1.97e−01
N: 139
COG4266
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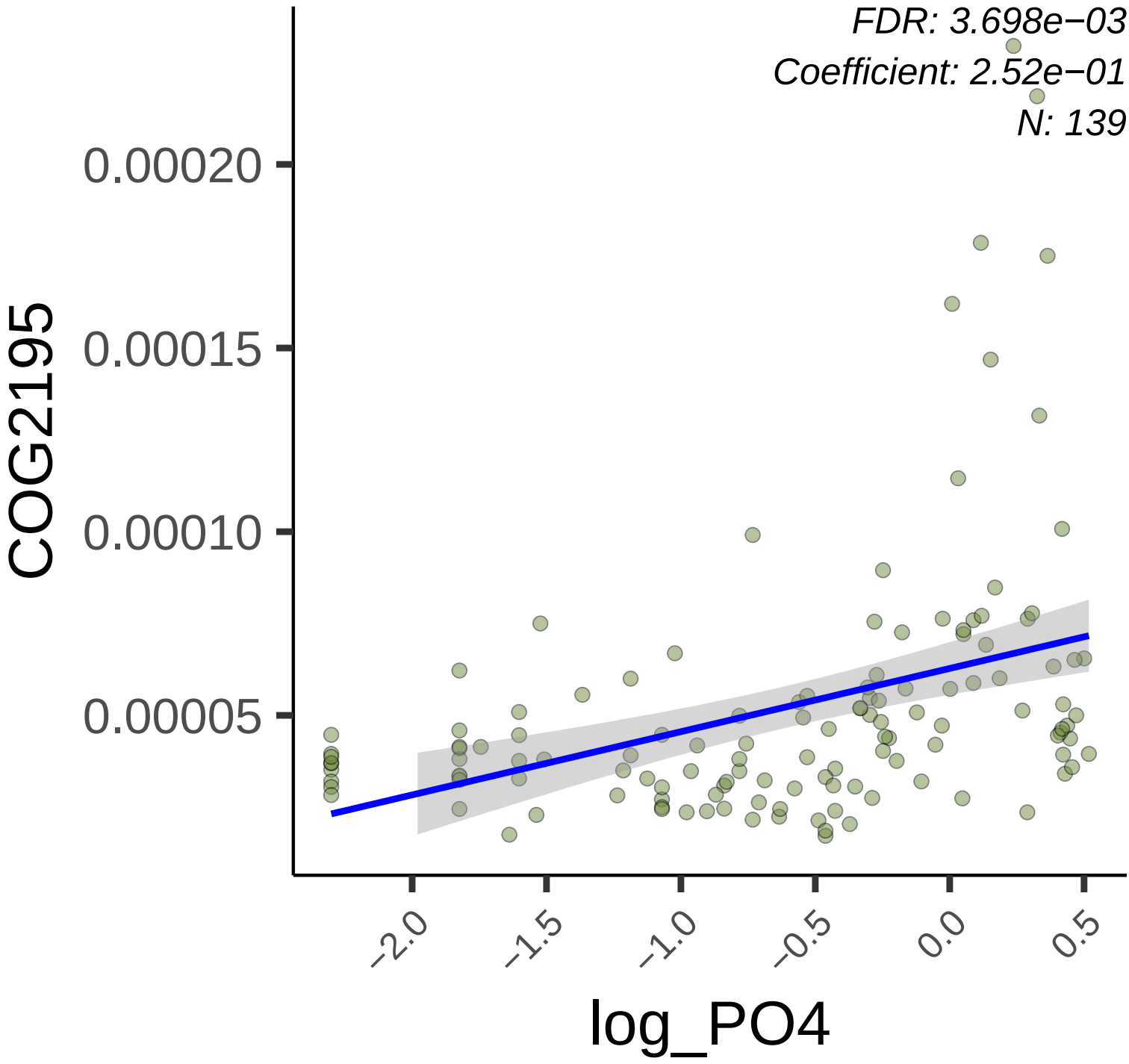
log_PO4


FDR: 3.698e−03
Coefficient: 2.52e−01
N: 139
COG2195
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0.00015
0.00010
0.00005
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−1.5
−1.0
−0.5
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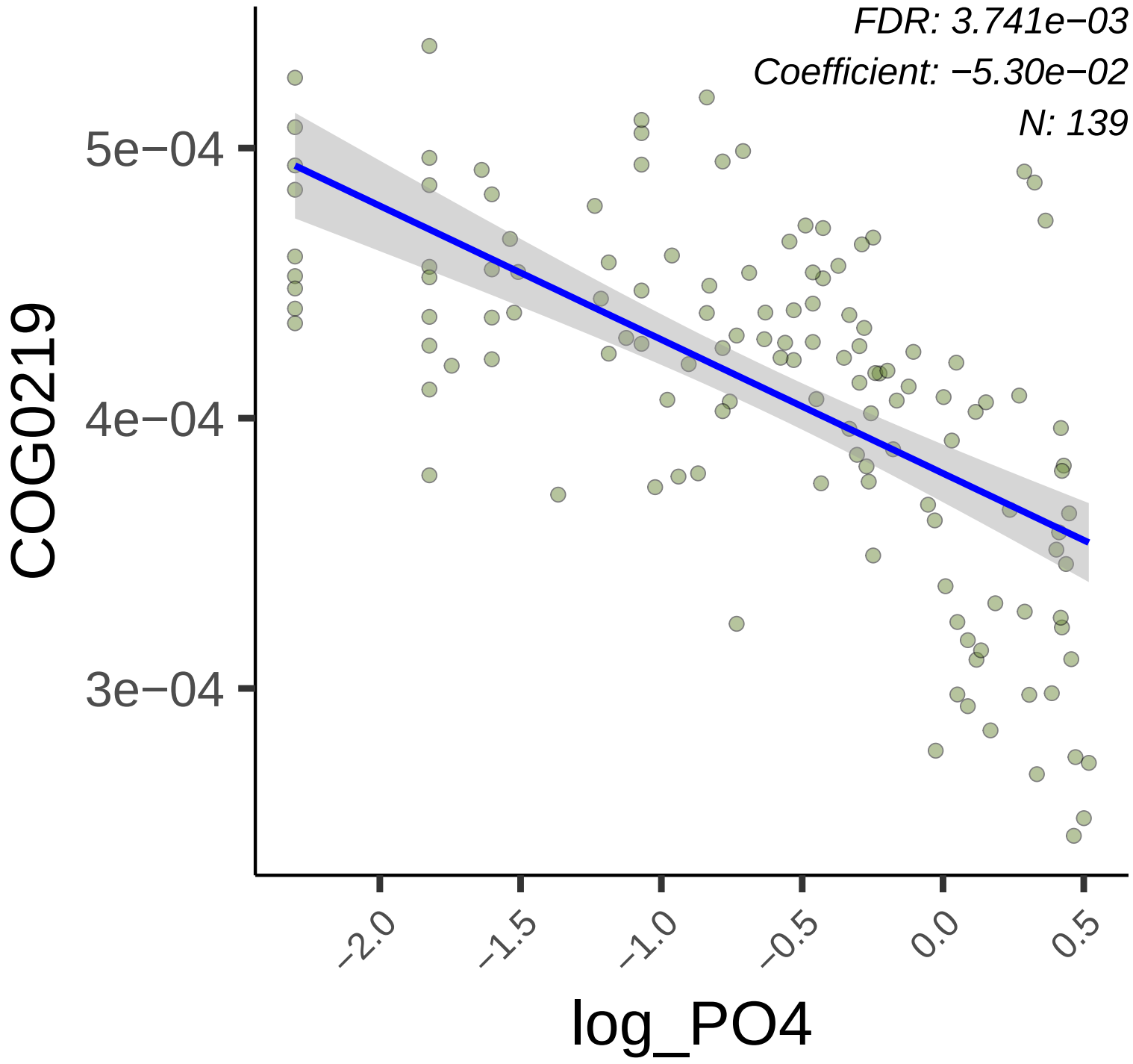
log_PO4


FDR: 3.741e−03
Coefficient: −5.30e−02
N: 139
5e−04
4e−04
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COG0219
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−1.5
−1.0
−0.5
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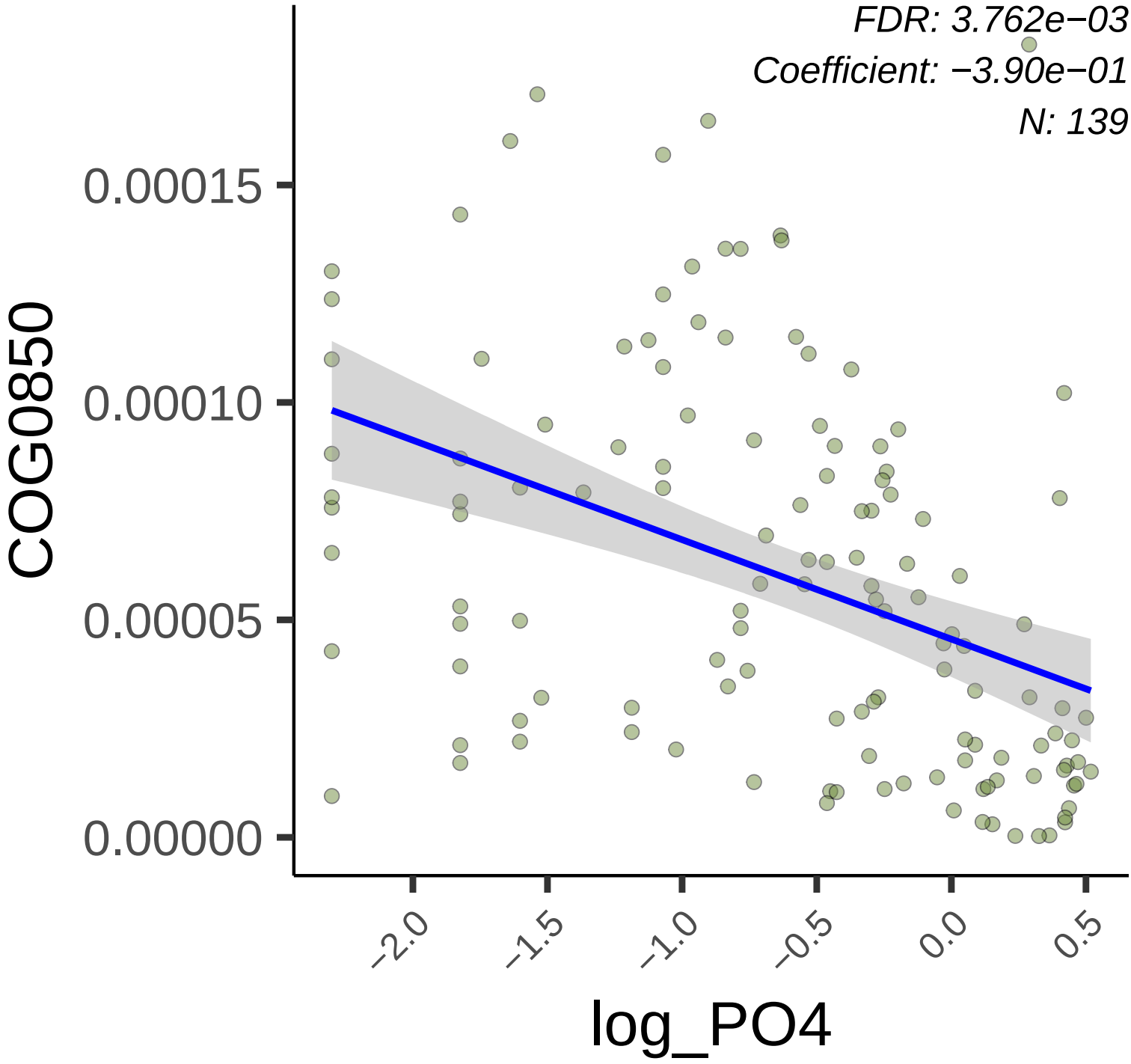
log_PO4


FDR: 3.762e−03
Coefficient: −3.90e−01
N: 139
COG0850
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0.00010
0.00005
0.00000
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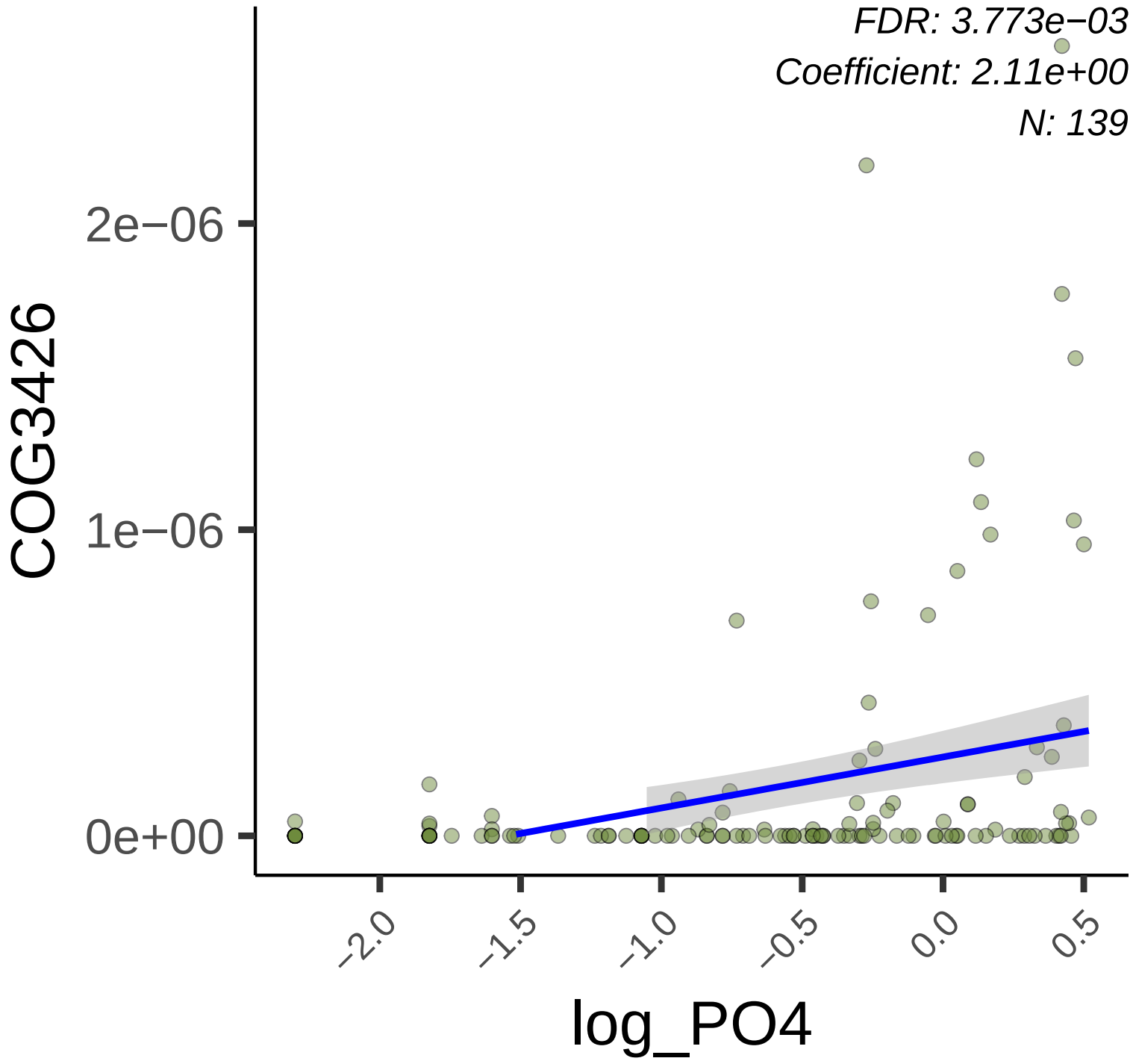
log_PO4


FDR: 3.773e−03
Coefficient: 2.11e+00
N: 139
COG3426
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1e−06
0e+00
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−1.0
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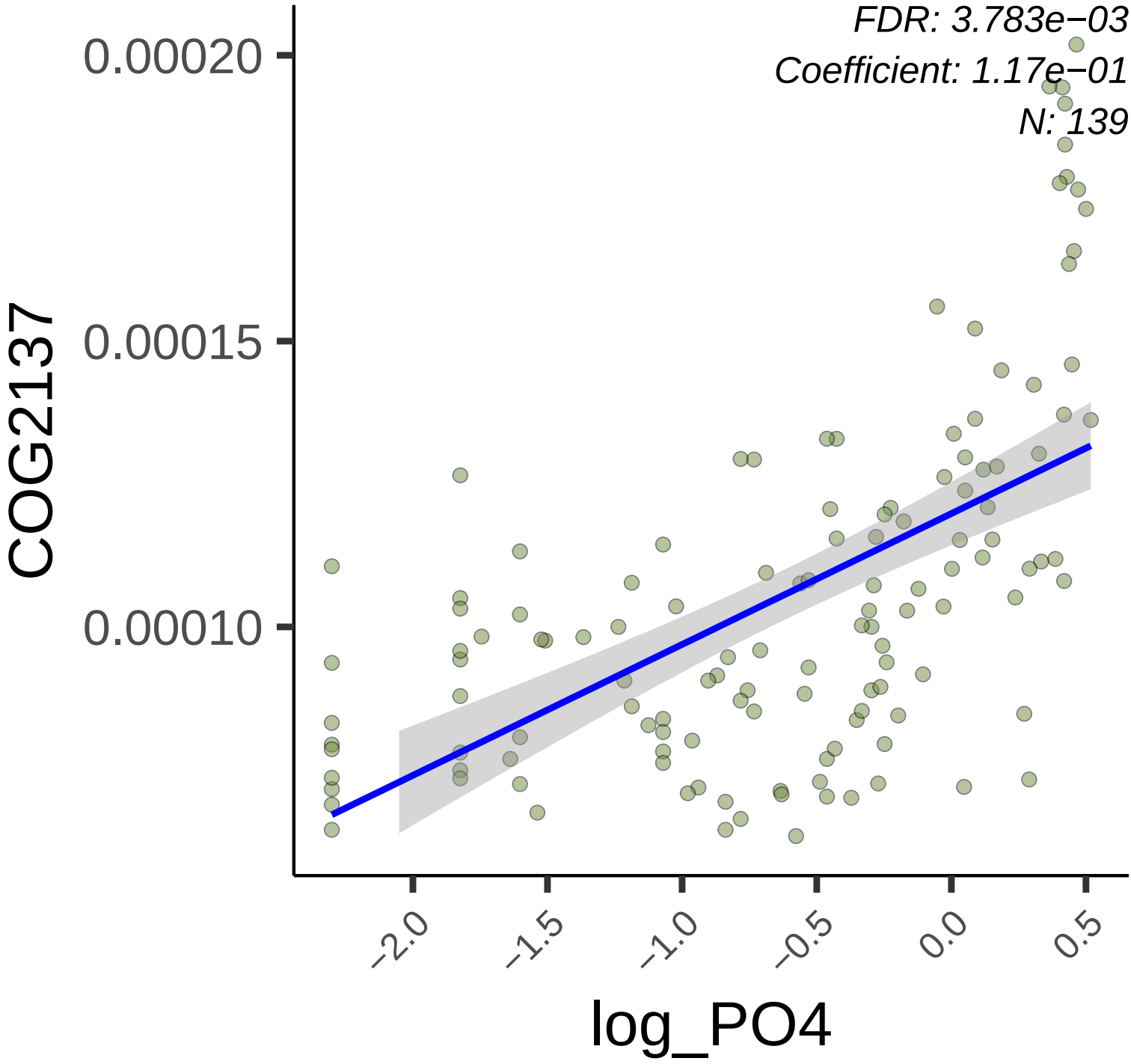
log_PO4


FDR: 3.783e−03
Coefficient: 1.17e−01
N: 139
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COG2137
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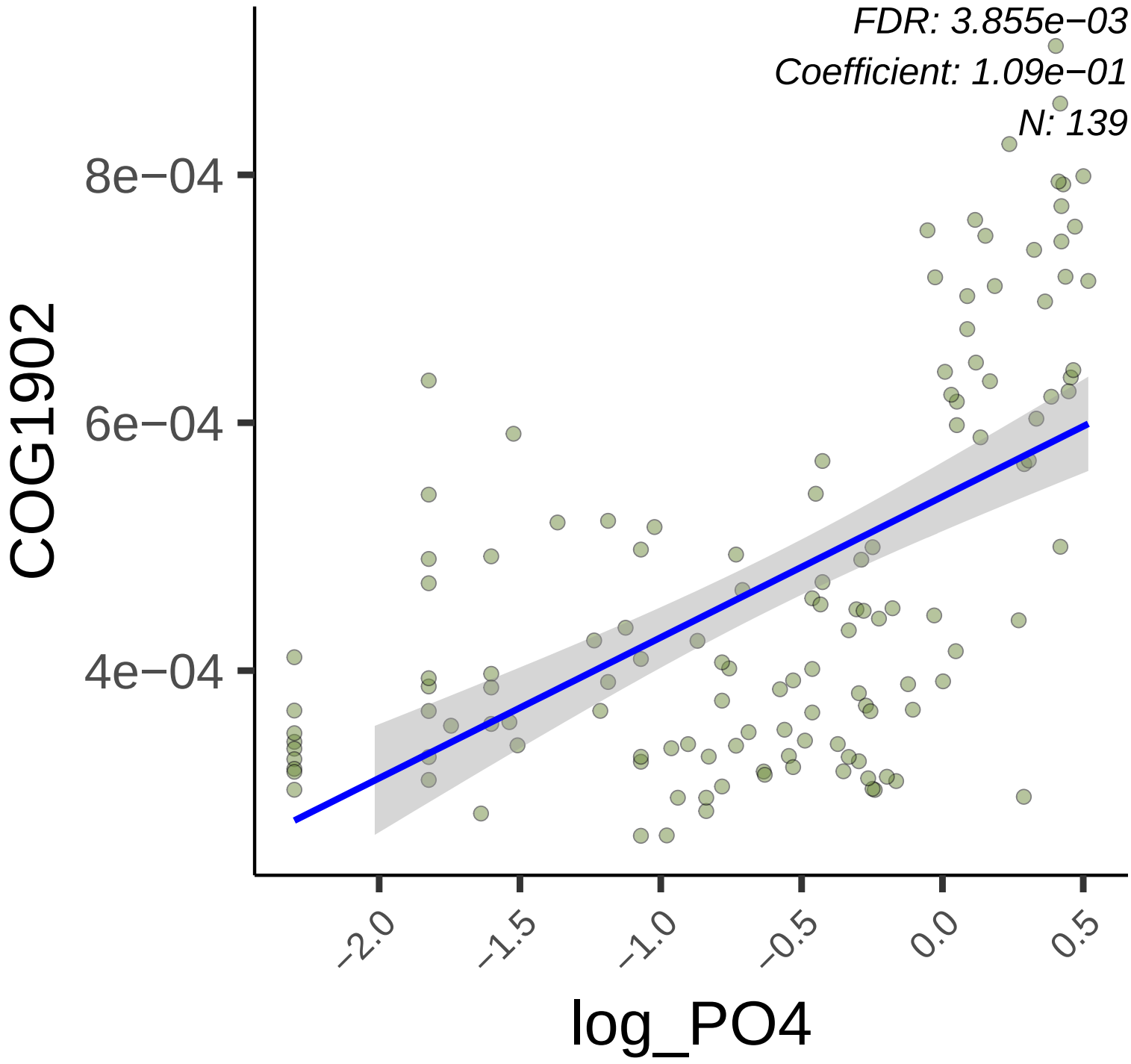
log_PO4


FDR: 3.855e−03
Coefficient: 1.09e−01
N: 139
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6e−04
4e−04
COG1902
−2.0
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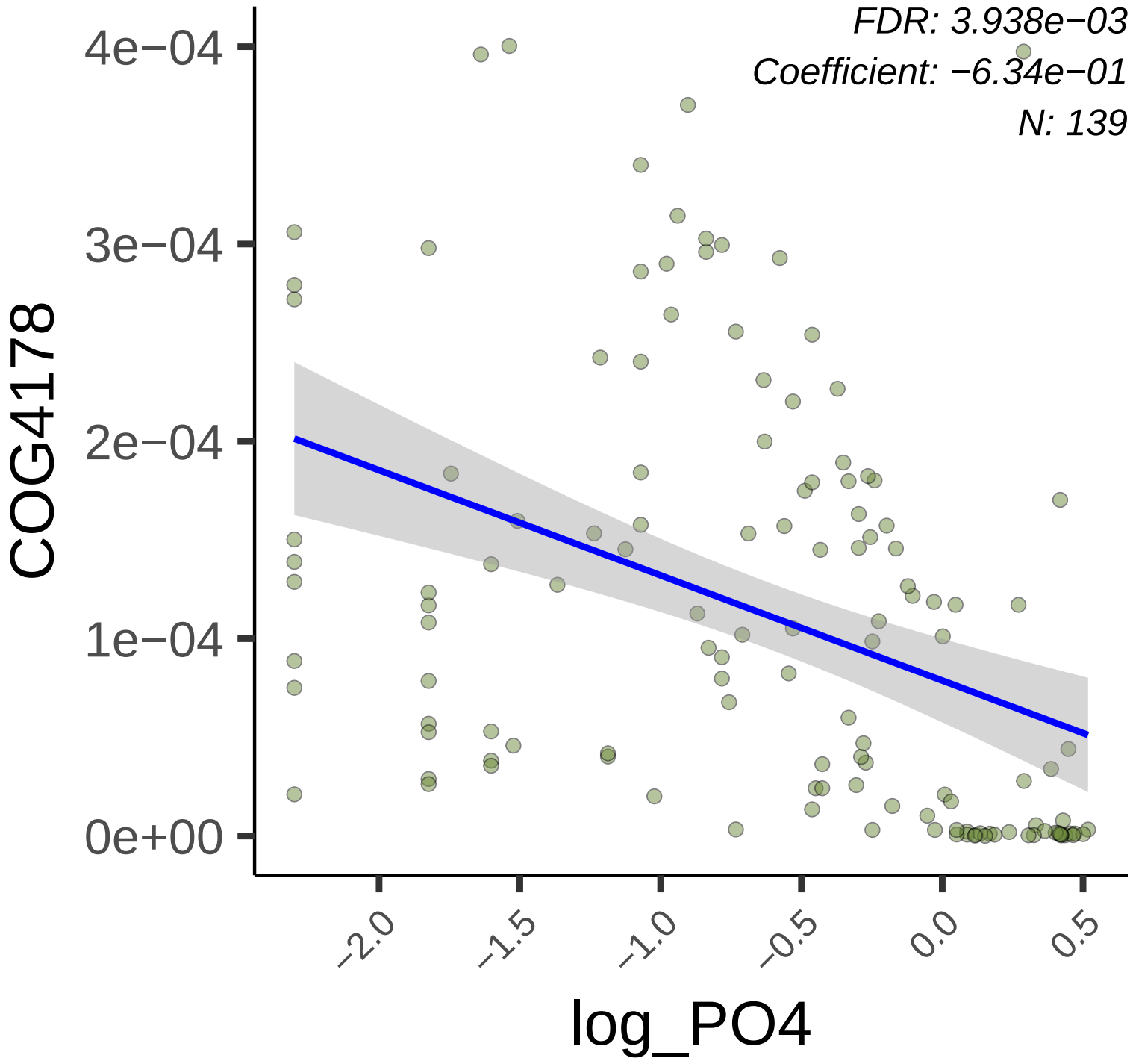
log_PO4


FDR: 3.938e−03
Coefficient: −6.34e−01
N: 139
COG4178
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3e−04
2e−04
1e−04
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−1.5
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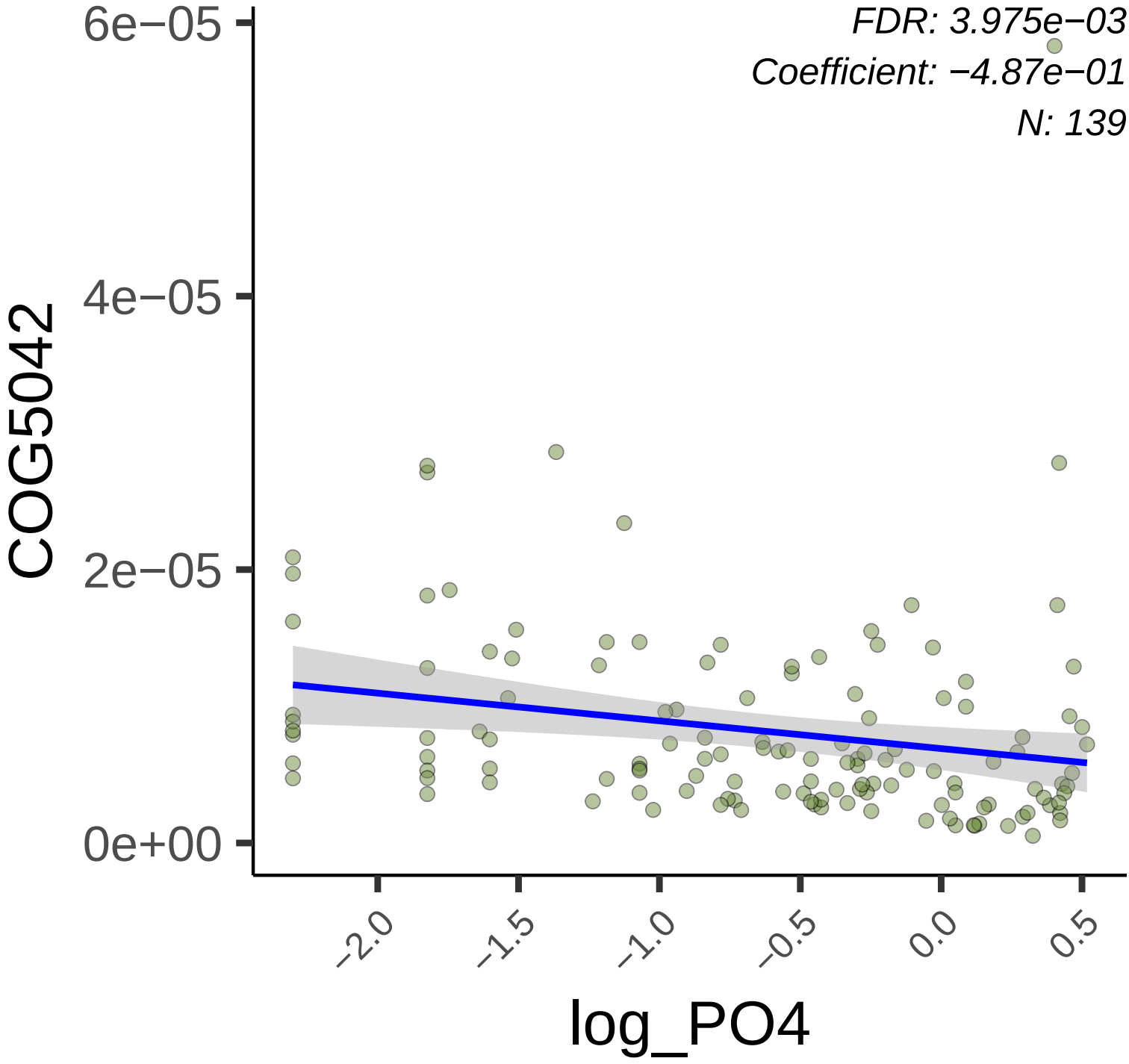
log_PO4


FDR: 3.975e−03
Coefficient: −4.87e−01
N: 139
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4e−05
2e−05
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COG5042
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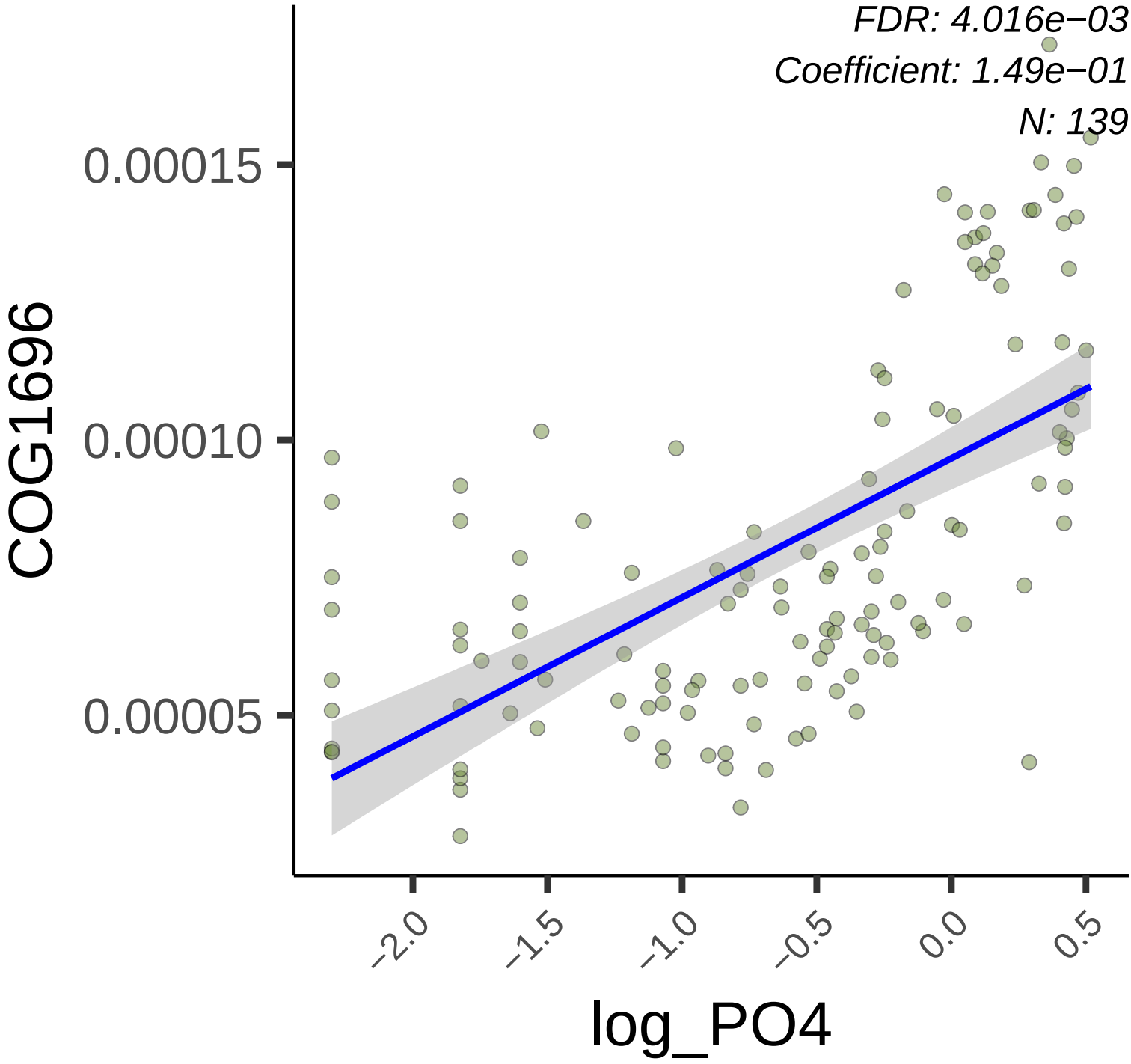
log_PO4


FDR: 4.016e−03
Coefficient: 1.49e−01
N: 139
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COG1696
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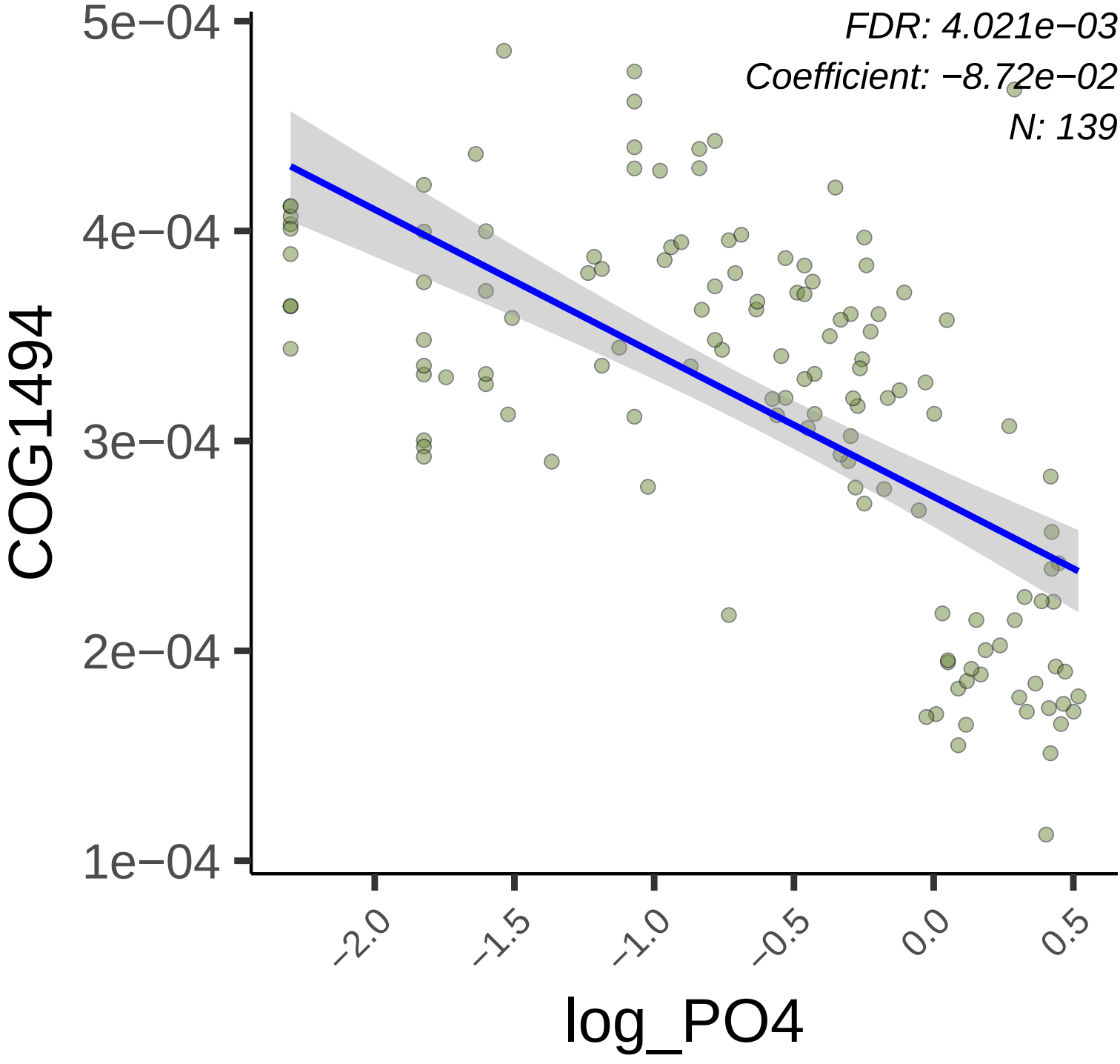
log_PO4


FDR: 4.021e−03
Coefficient: −8.72e−02
N: 139
COG1494
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1e−04
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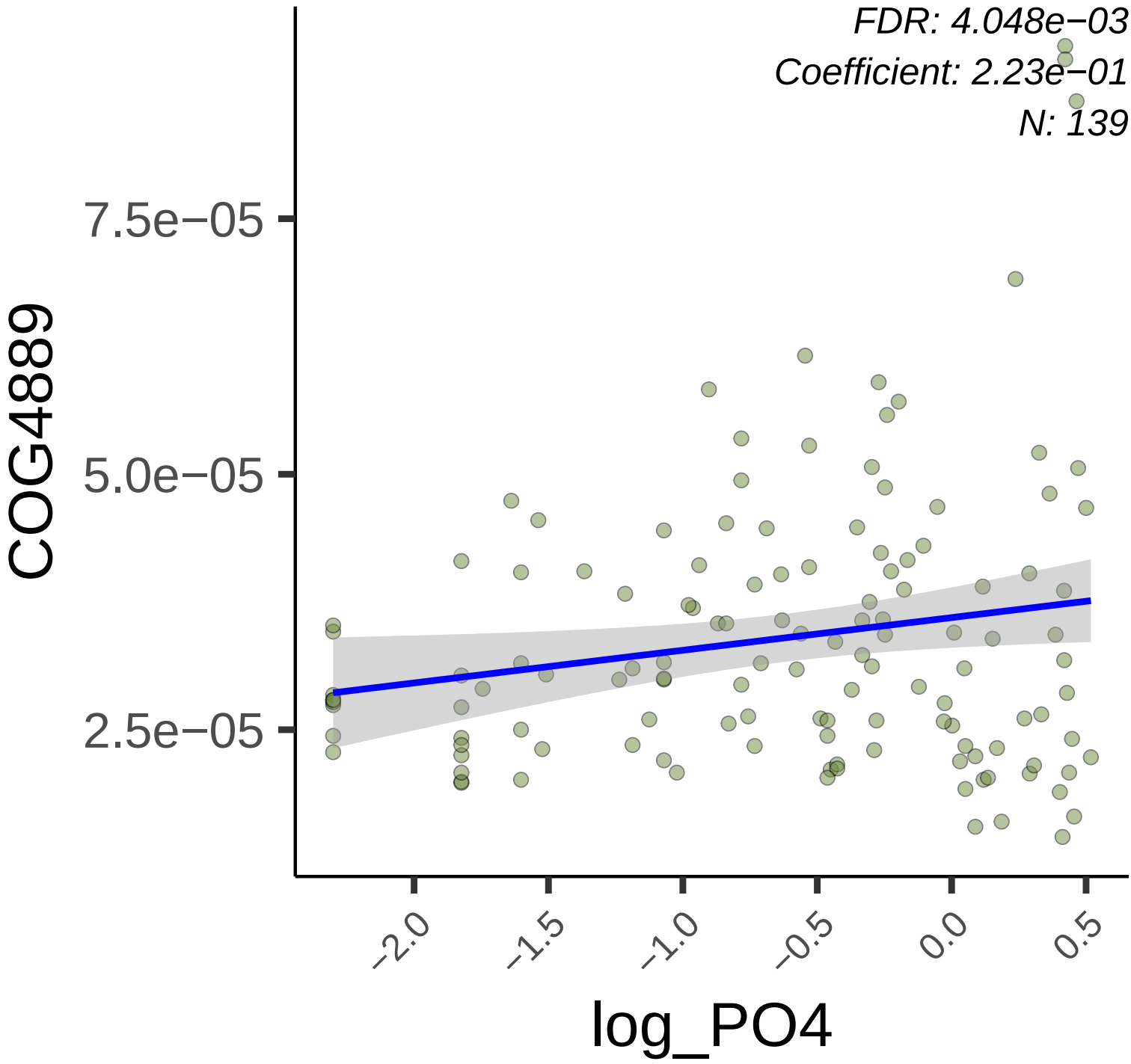
log_PO4


FDR: 4.048e−03
Coefficient: 2.23e−01
N: 139
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5.0e−05
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COG4889
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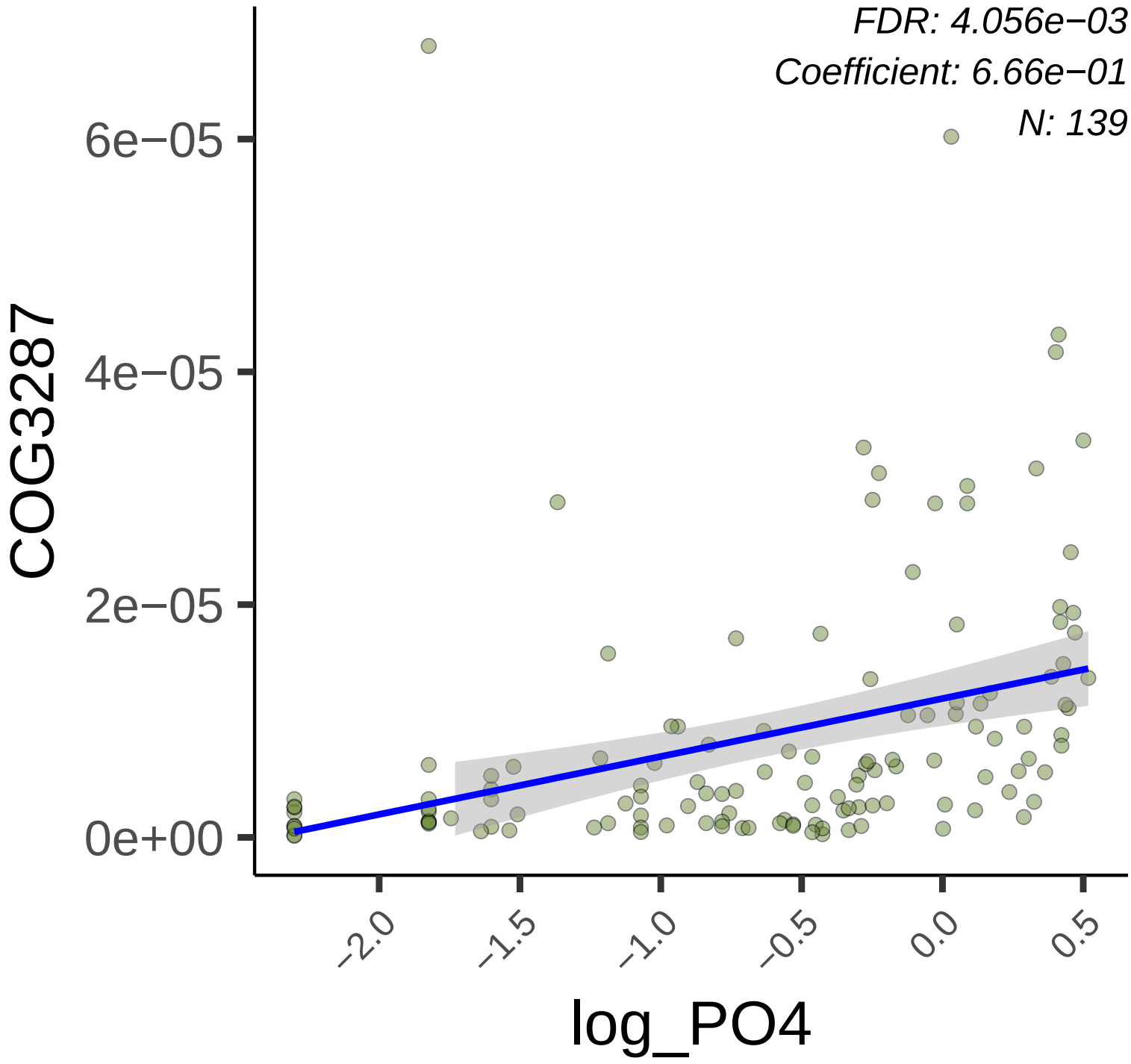
log_PO4


FDR: 4.056e−03
Coefficient: 6.66e−01
N: 139
COG3287
6e−05
4e−05
2e−05
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−1.5
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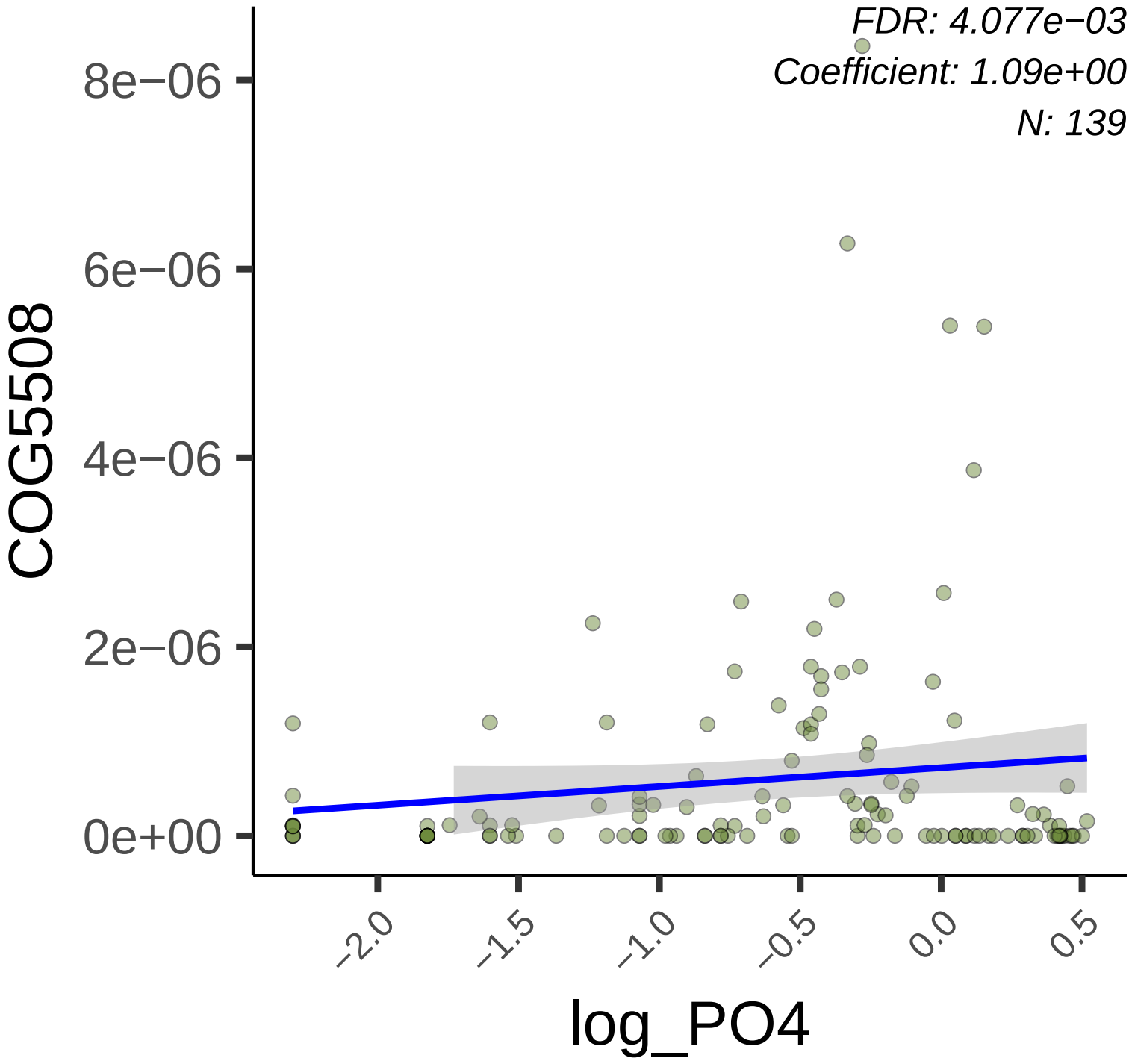
log_PO4


FDR: 4.077e−03
Coefficient: 1.09e+00
N: 139
COG5508
8e−06
6e−06
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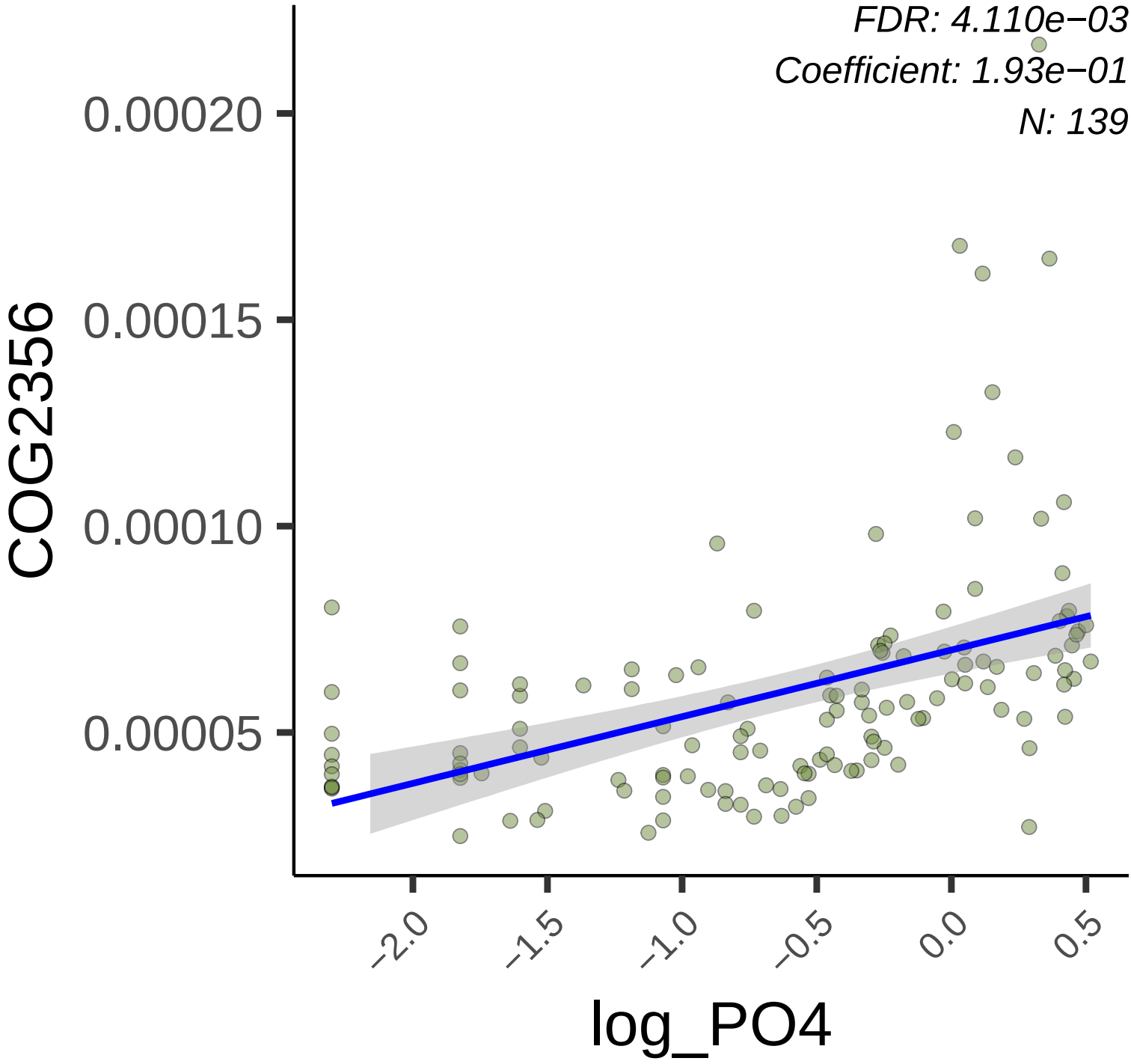
log_PO4


FDR: 4.110e−03
Coefficient: 1.93e−01
N: 139
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COG2356
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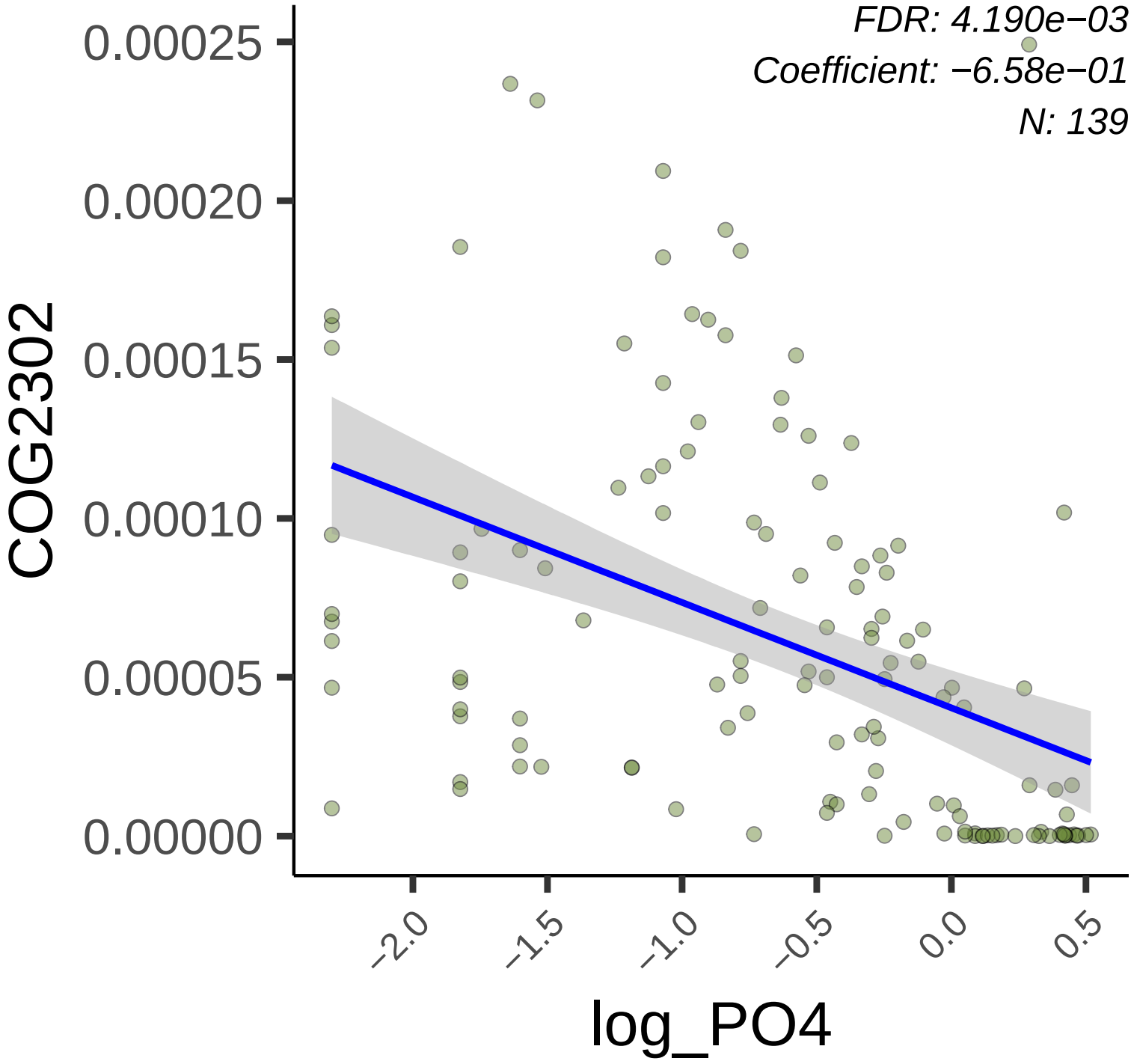
log_PO4


FDR: 4.190e−03
Coefficient: −6.58e−01
N: 139
COG2302
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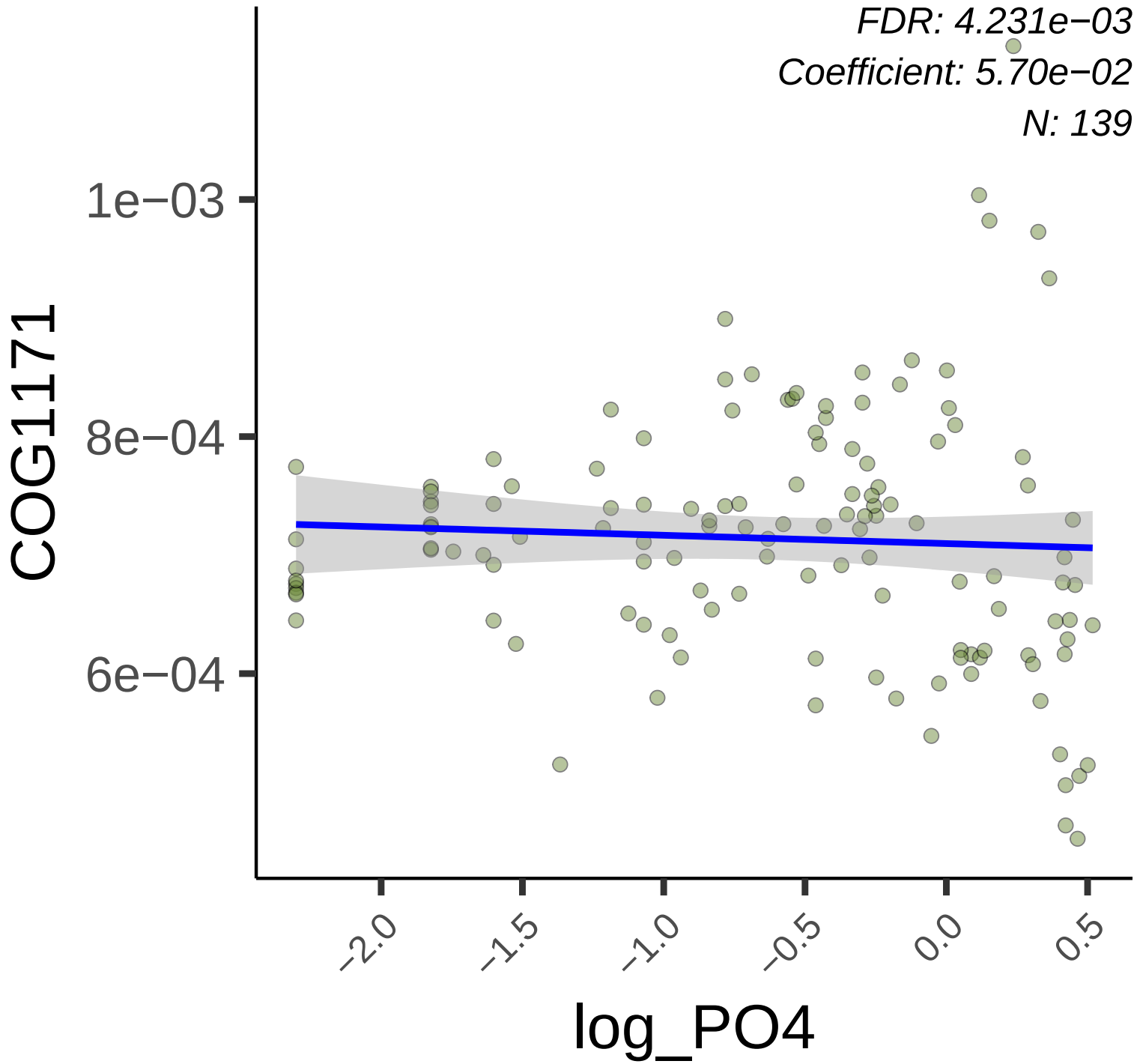
log_PO4


FDR: 4.231e−03
Coefficient: 5.70e−02
N: 139
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COG1171
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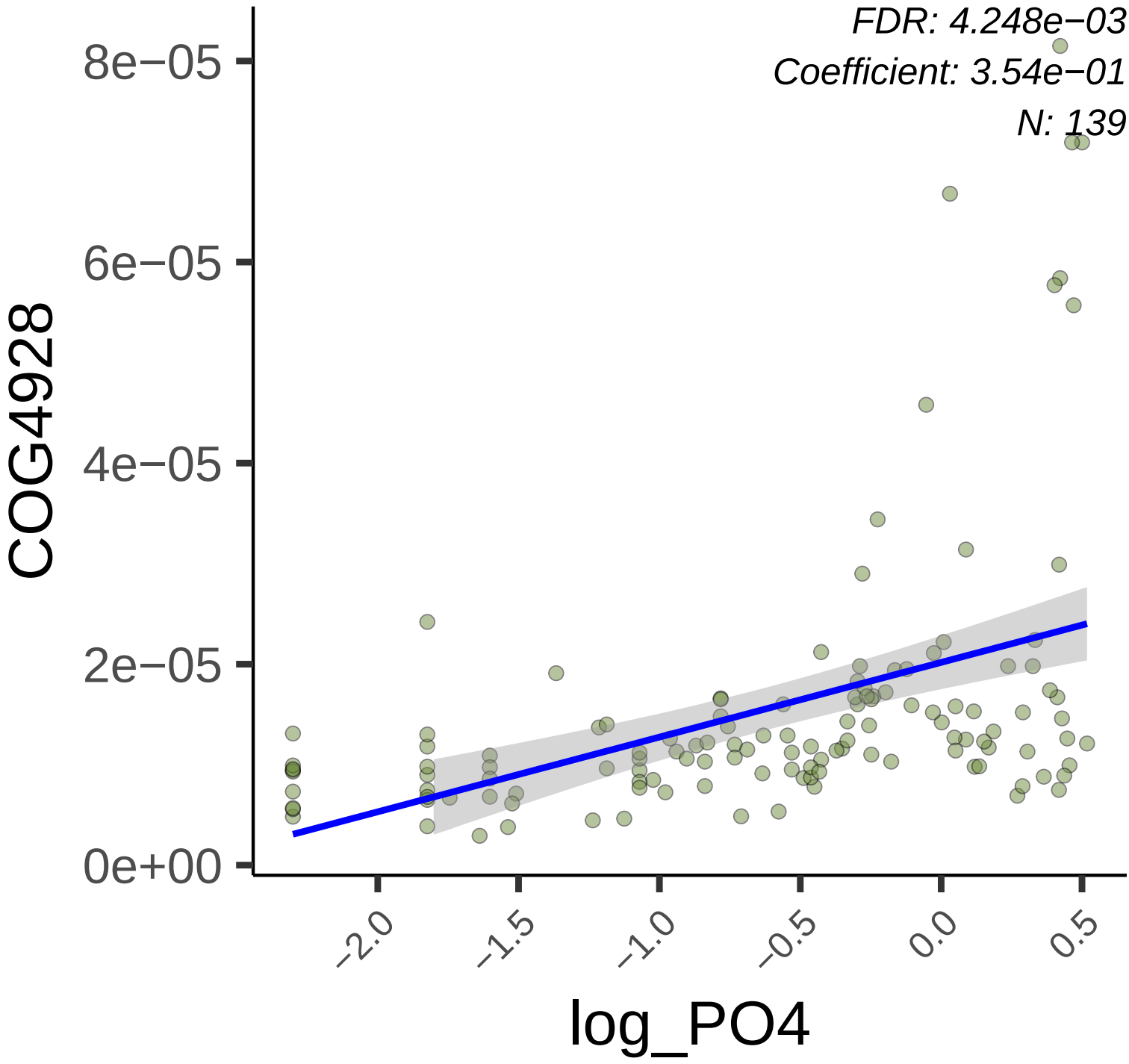
log_PO4


FDR: 4.248e−03
Coefficient: 3.54e−01
N: 139
COG4928
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6e−05
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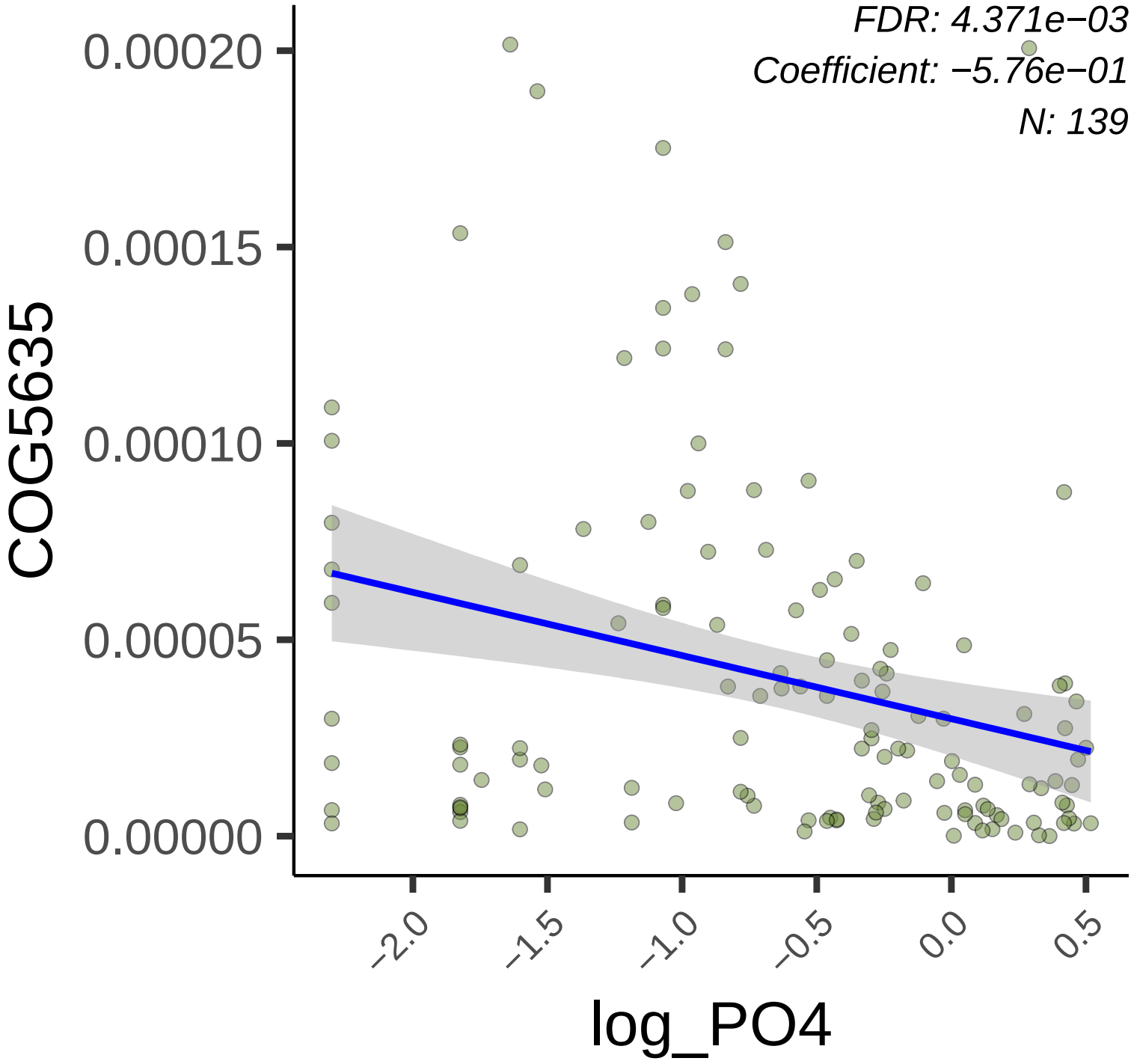
log_PO4


FDR: 4.371e−03
Coefficient: −5.76e−01
N: 139
COG5635
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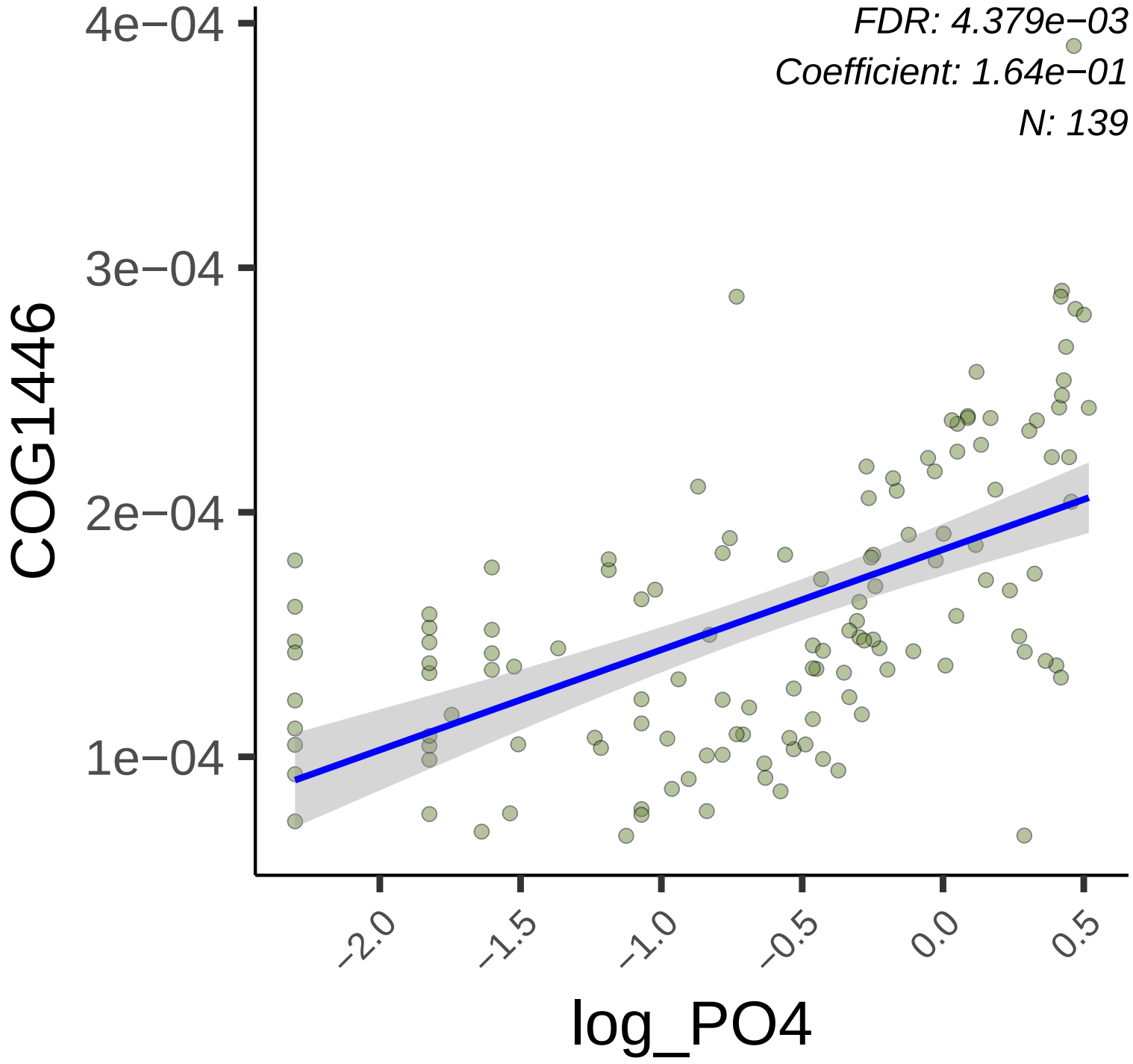
log_PO4


FDR: 4.379e−03
Coefficient: 1.64e−01
N: 139
COG1446
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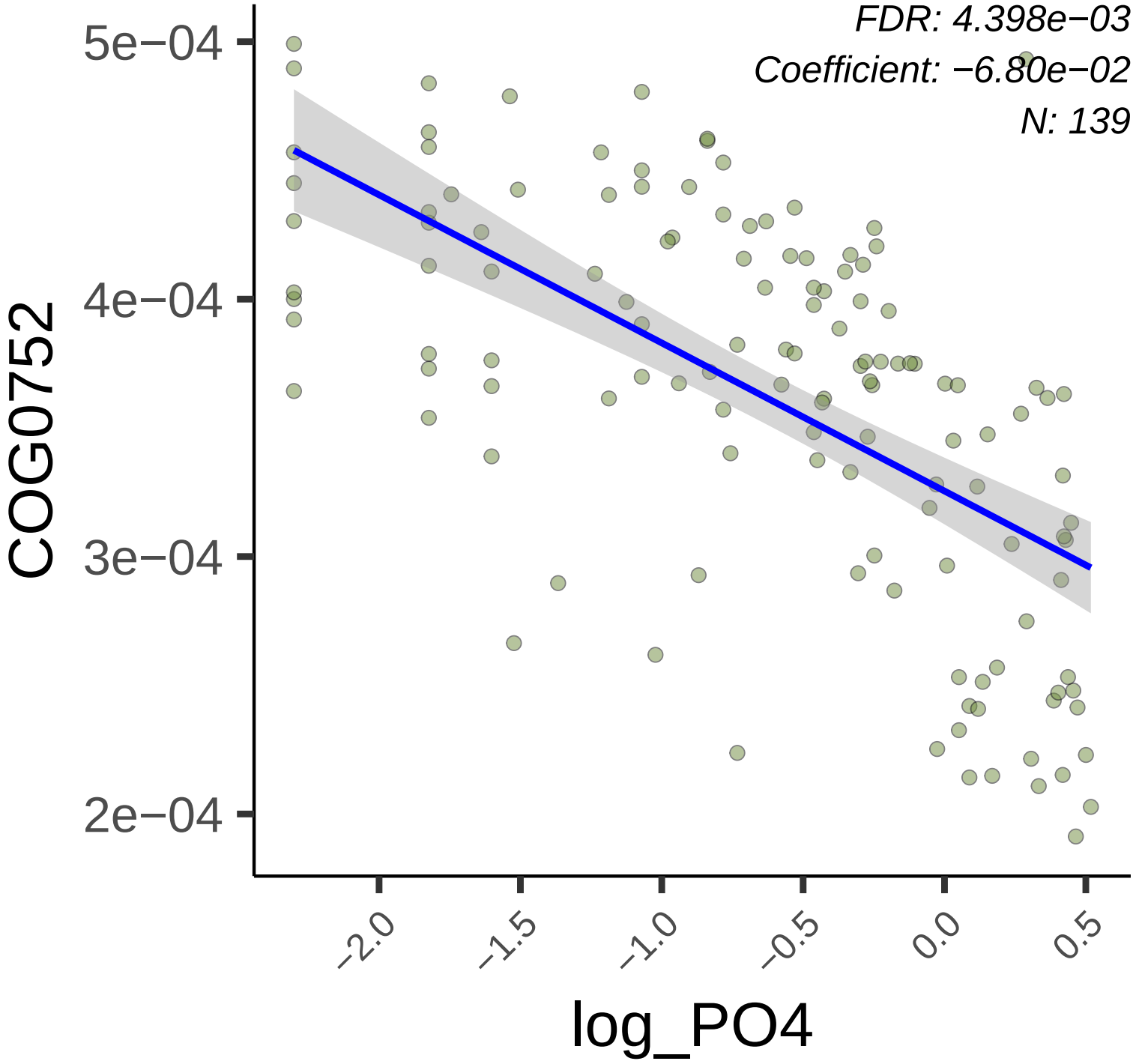
log_PO4


FDR: 4.398e−03
Coefficient: −6.80e−02
N: 139
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4e−04
3e−04
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COG0752
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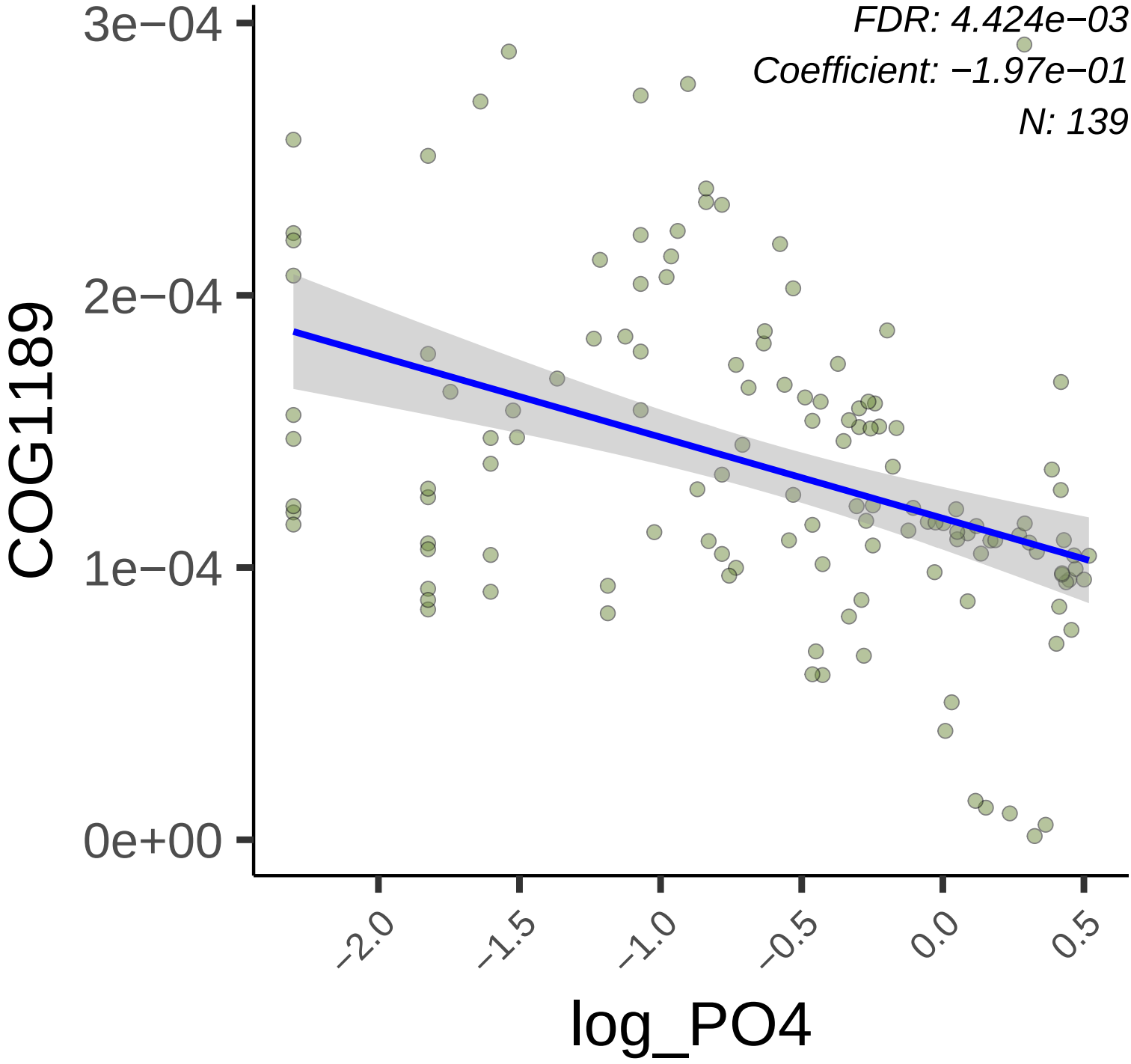
log_PO4


FDR: 4.424e−03
Coefficient: −1.97e−01
N: 139
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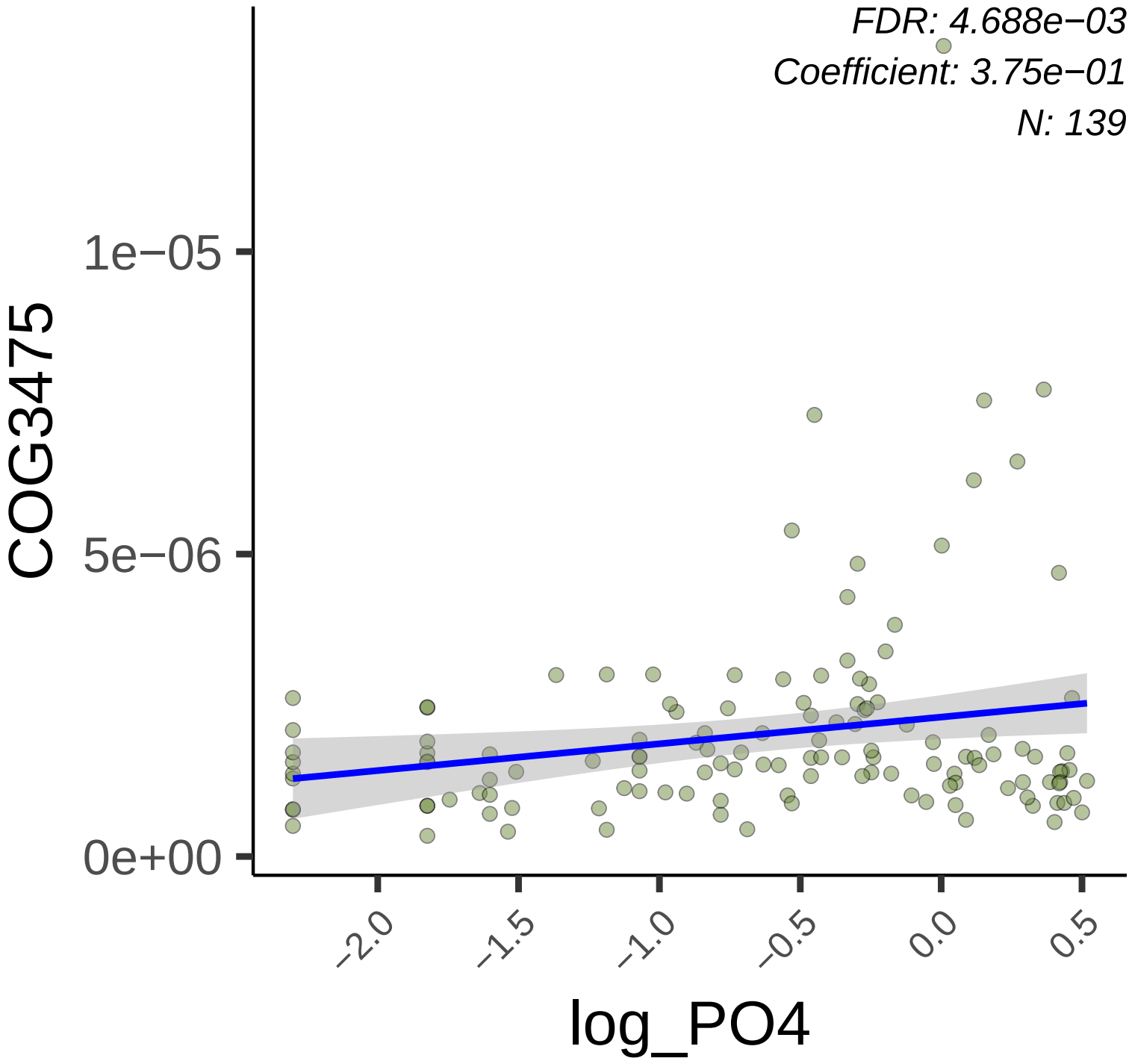
log_PO4


FDR: 4.688e−03
Coefficient: 3.75e−01
N: 139
COG3475
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−2.0
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−1.0
−0.5
0.0
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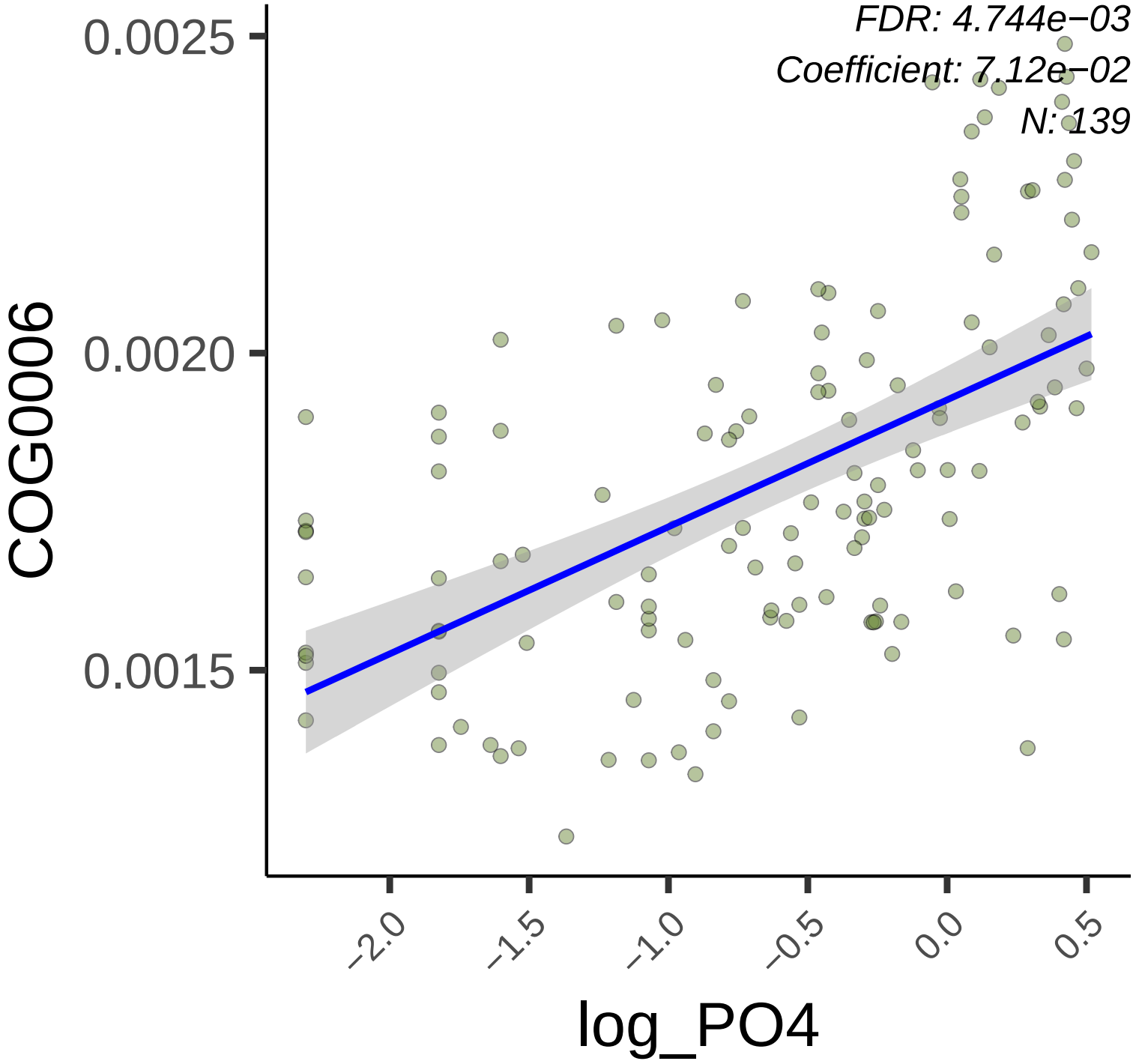
log_PO4


FDR: 4.744e−03
Coefficient: 7.12e−02
N: 139
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COG0006
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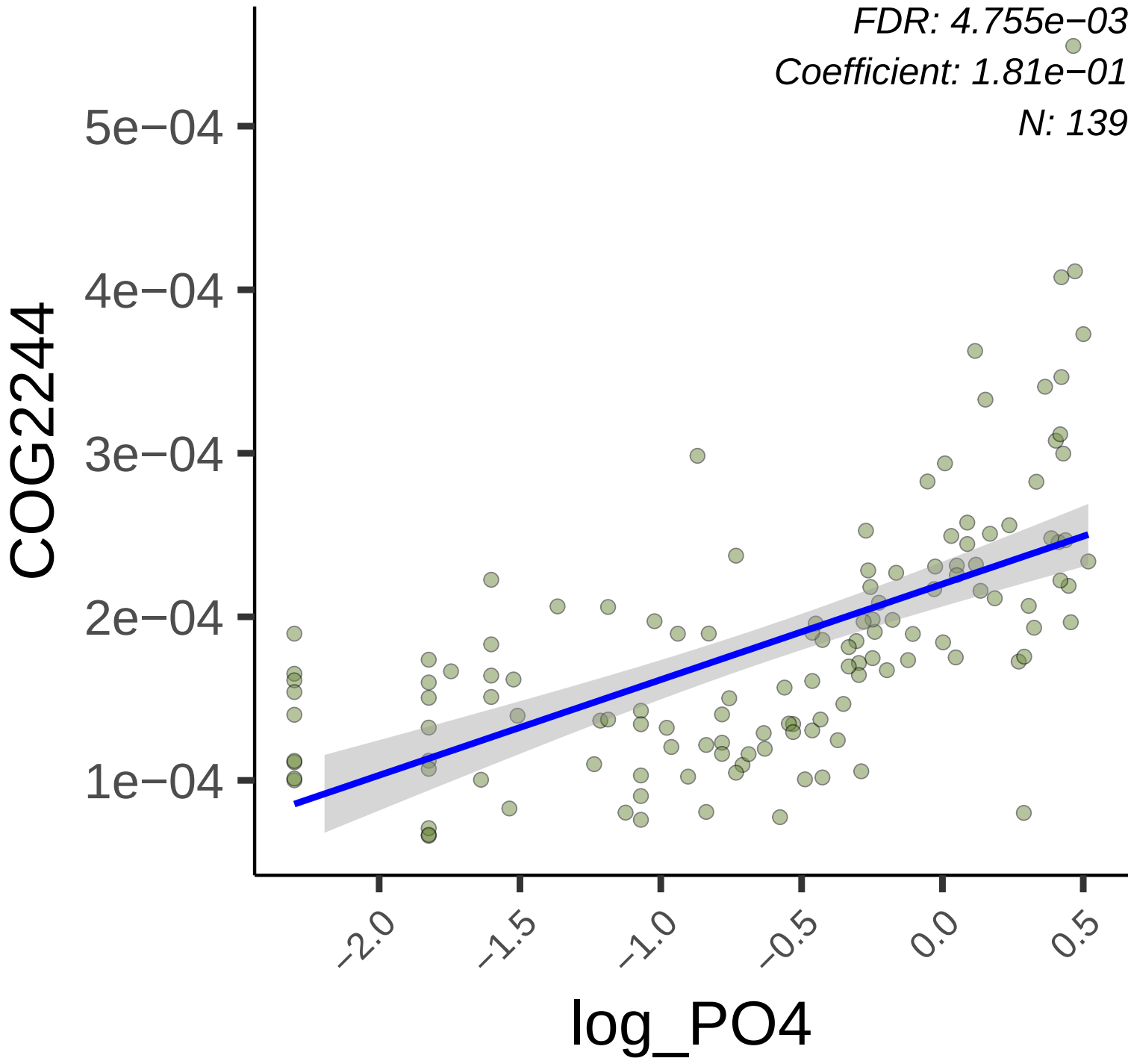
log_PO4


FDR: 4.755e−03
Coefficient: 1.81e−01
N: 139
COG2244
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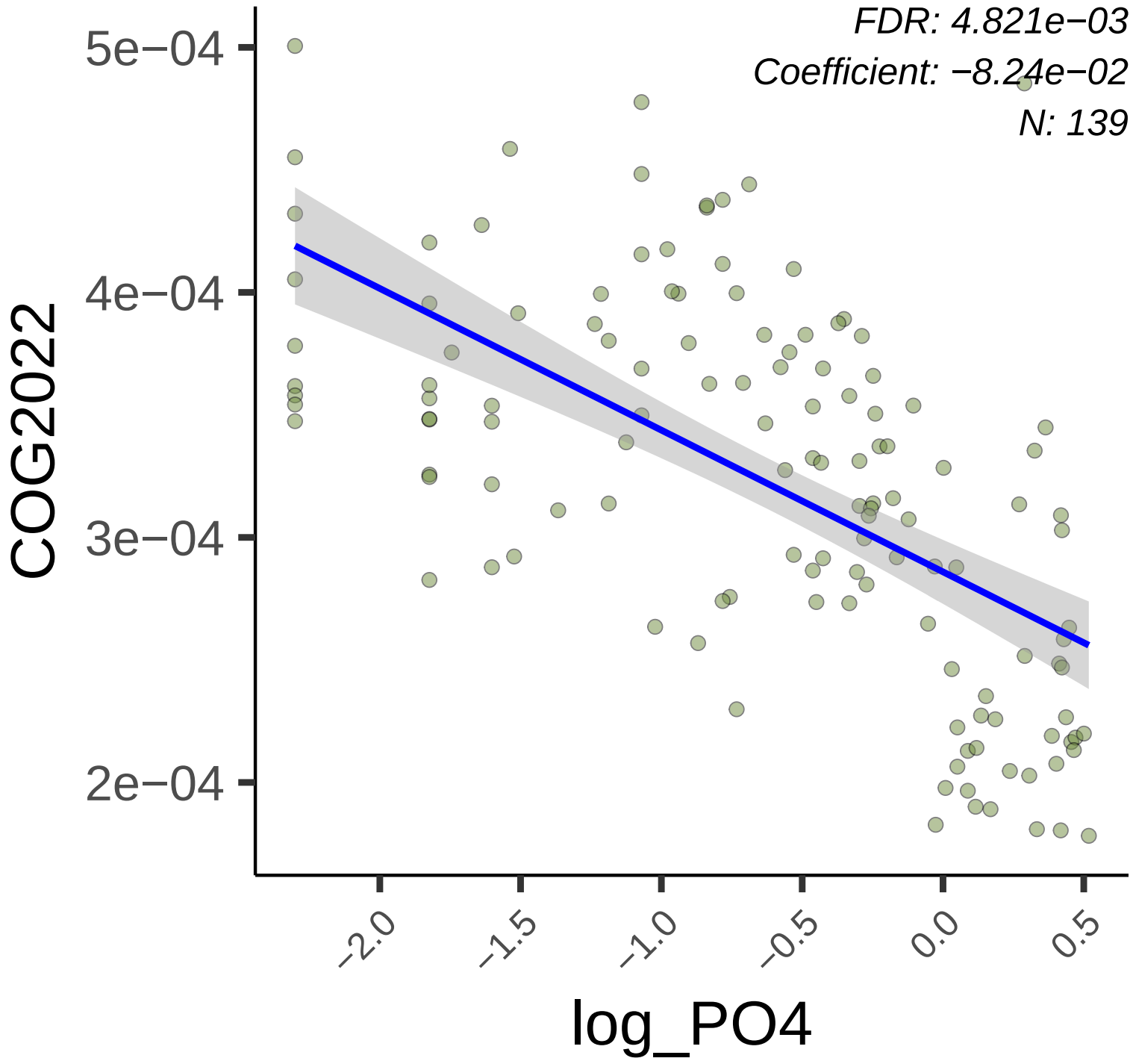
log_PO4


FDR: 4.821e−03
Coefficient: −8.24e−02
N: 139
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COG2022
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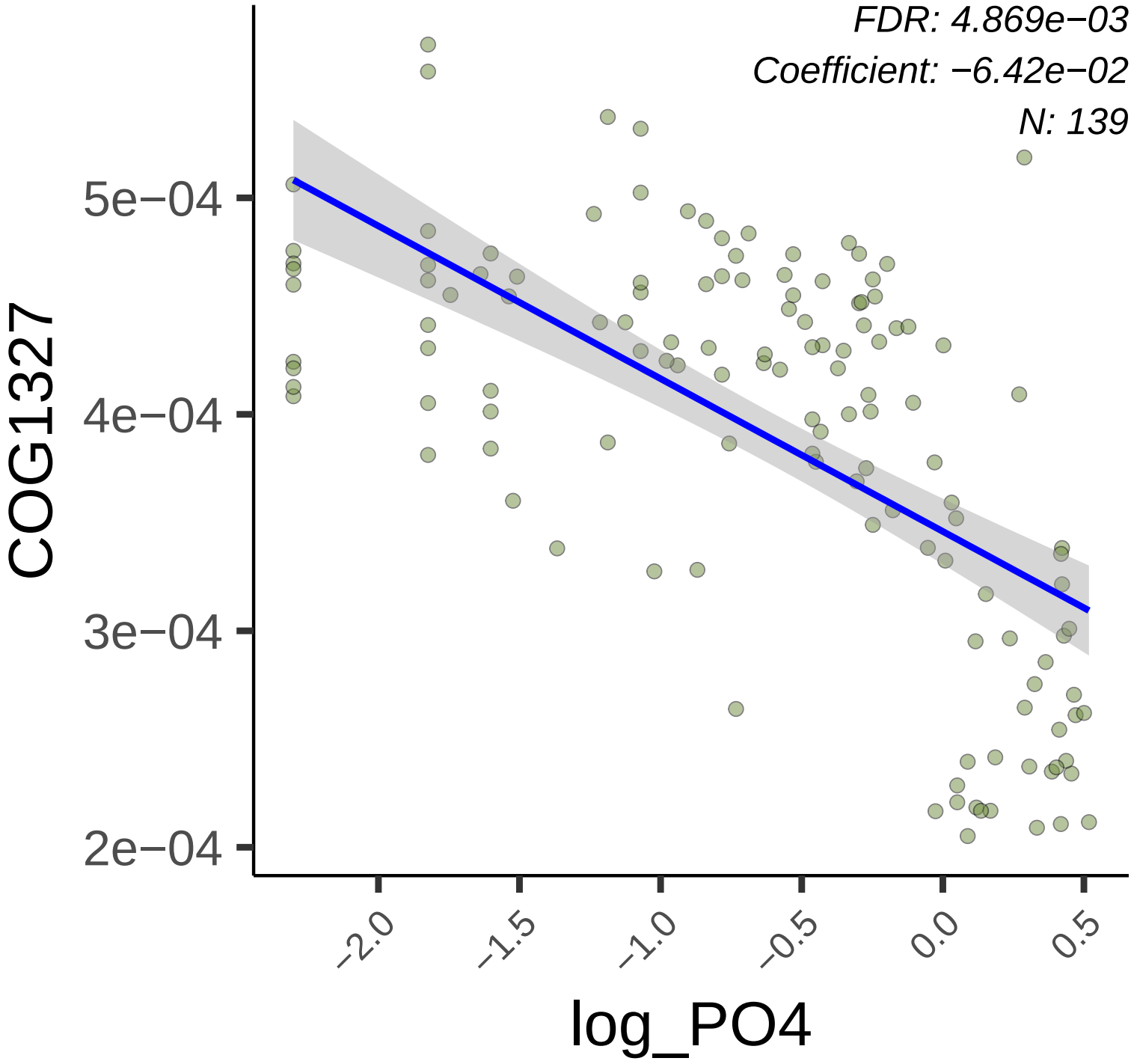
log_PO4


FDR: 4.869e−03
Coefficient: −6.42e−02
N: 139
COG1327
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−1.5
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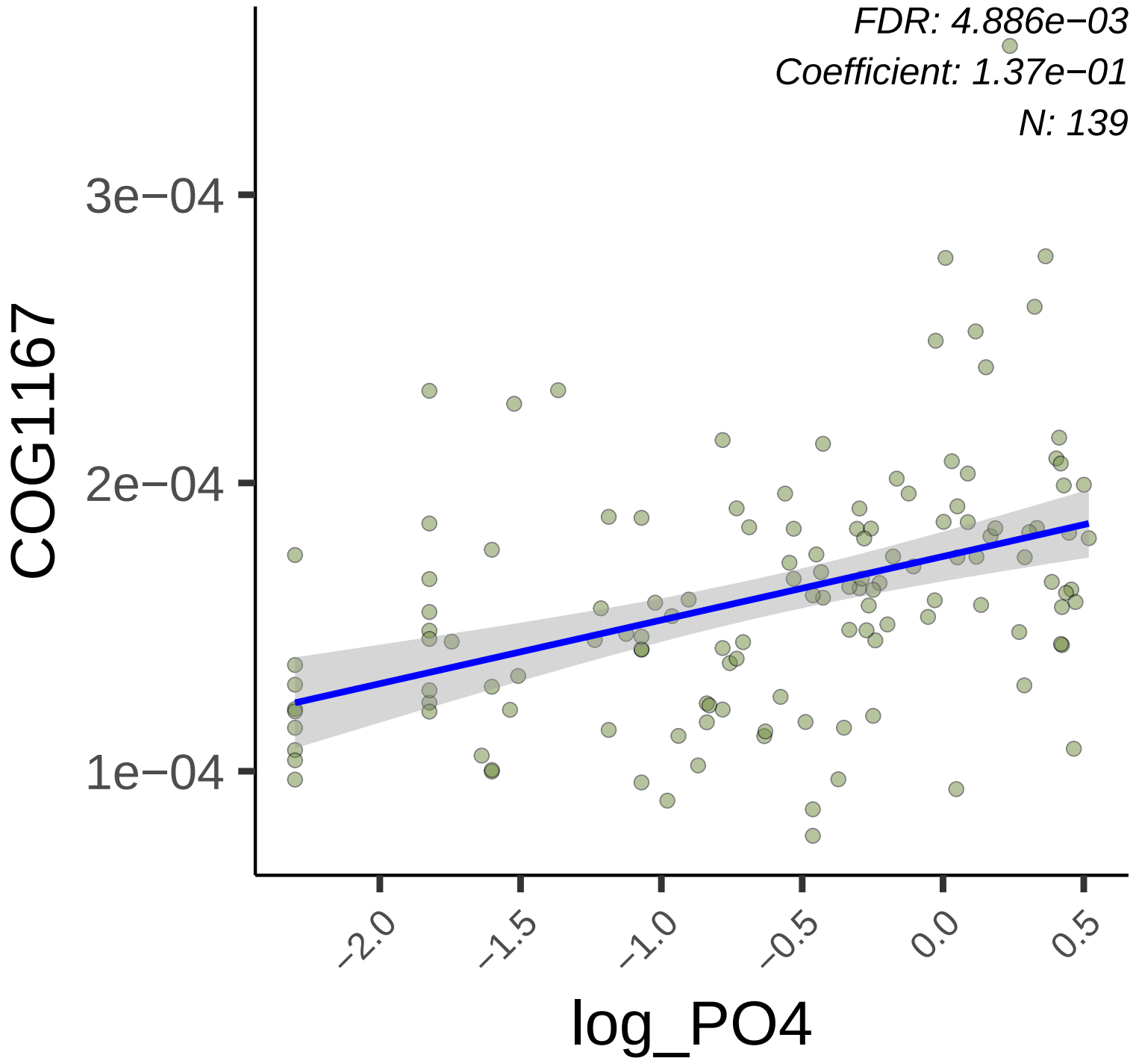
log_PO4


FDR: 4.886e−03
Coefficient: 1.37e−01
N: 139
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COG1167
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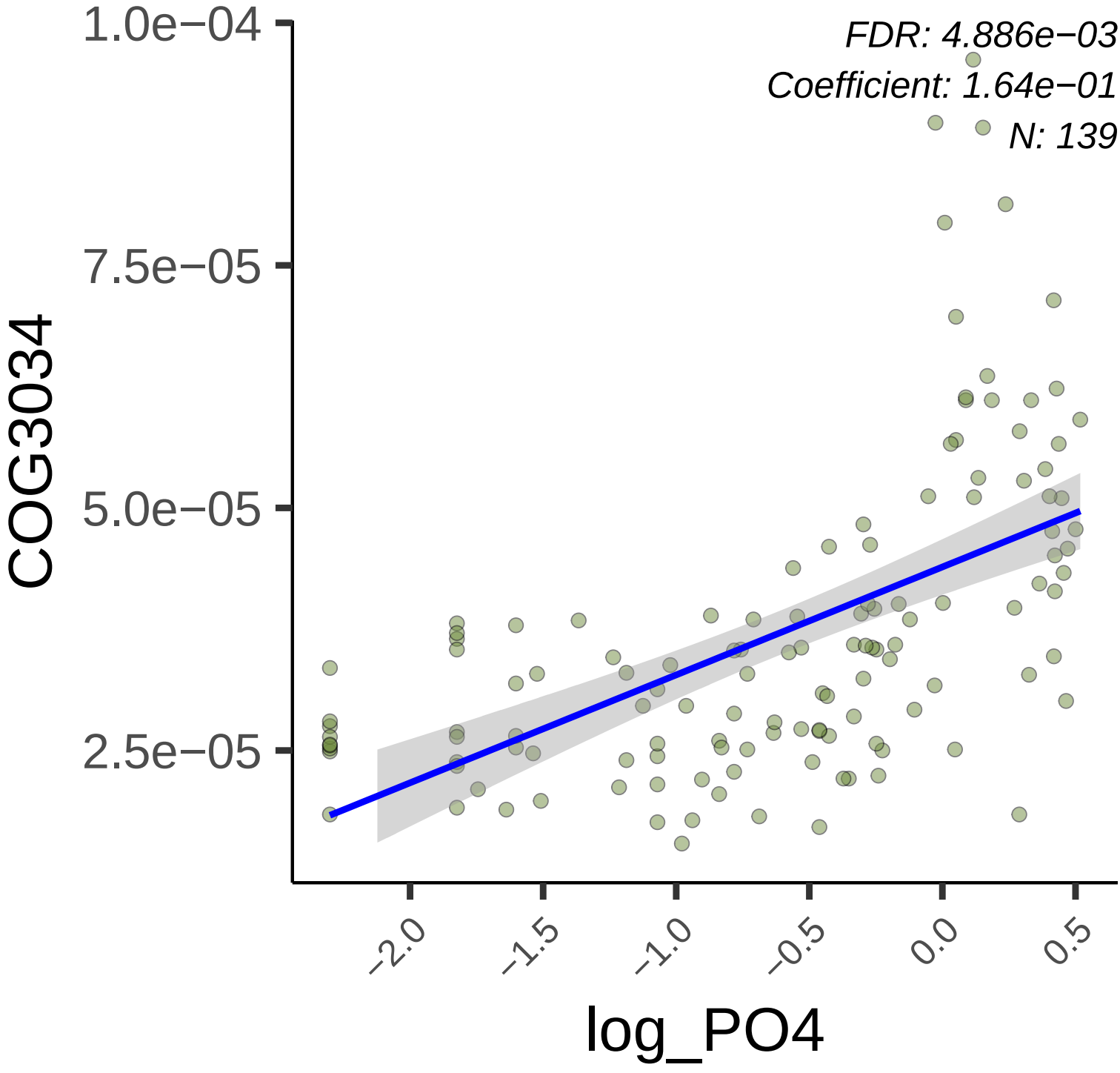
log_PO4


FDR: 4.886e−03
Coefficient: 1.64e−01
N: 139
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7.5e−05
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COG3034
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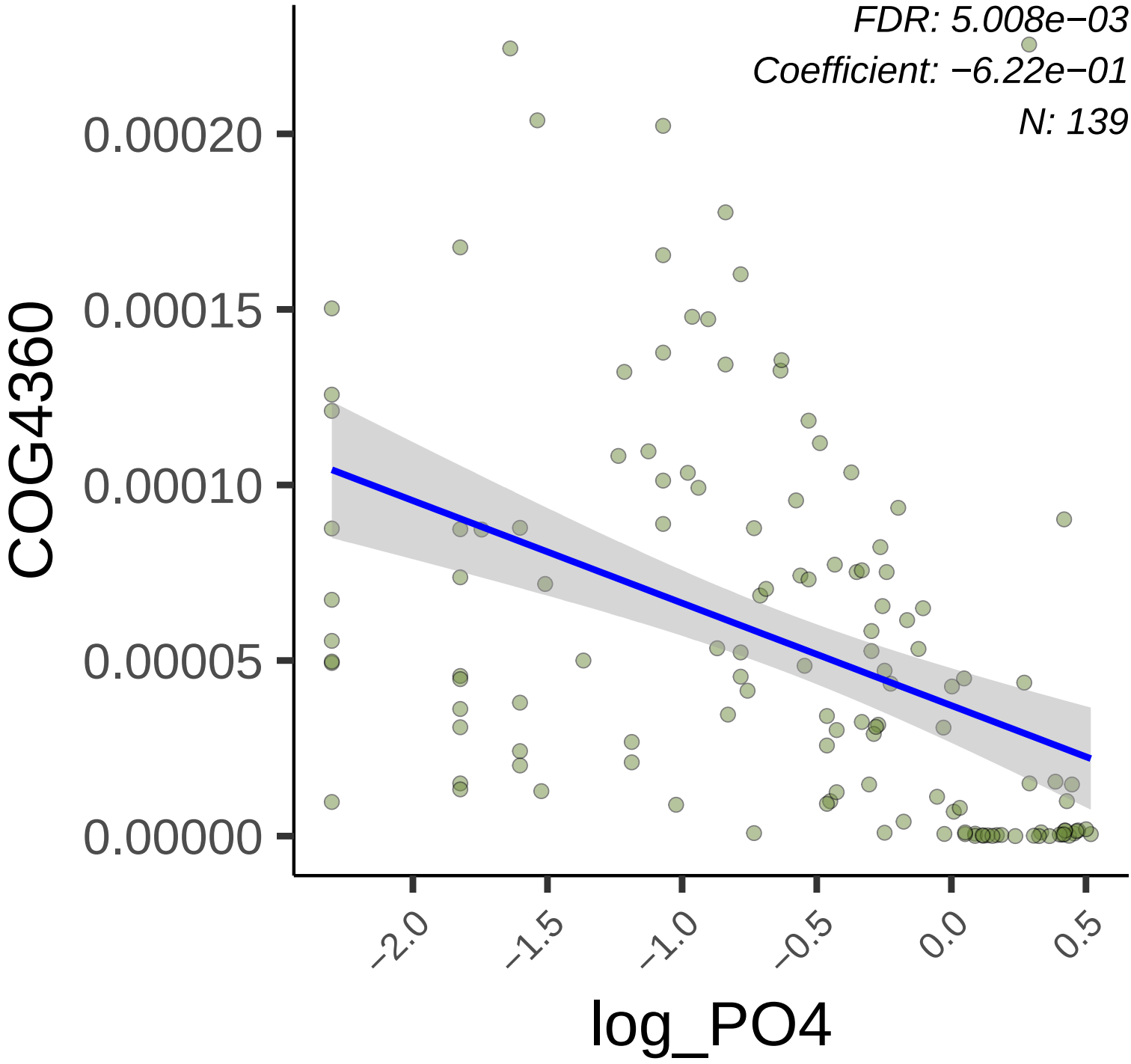
log_PO4


FDR: 5.008e−03
Coefficient: −6.22e−01
N: 139
COG4360
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0.00010
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0.00000
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−1.5
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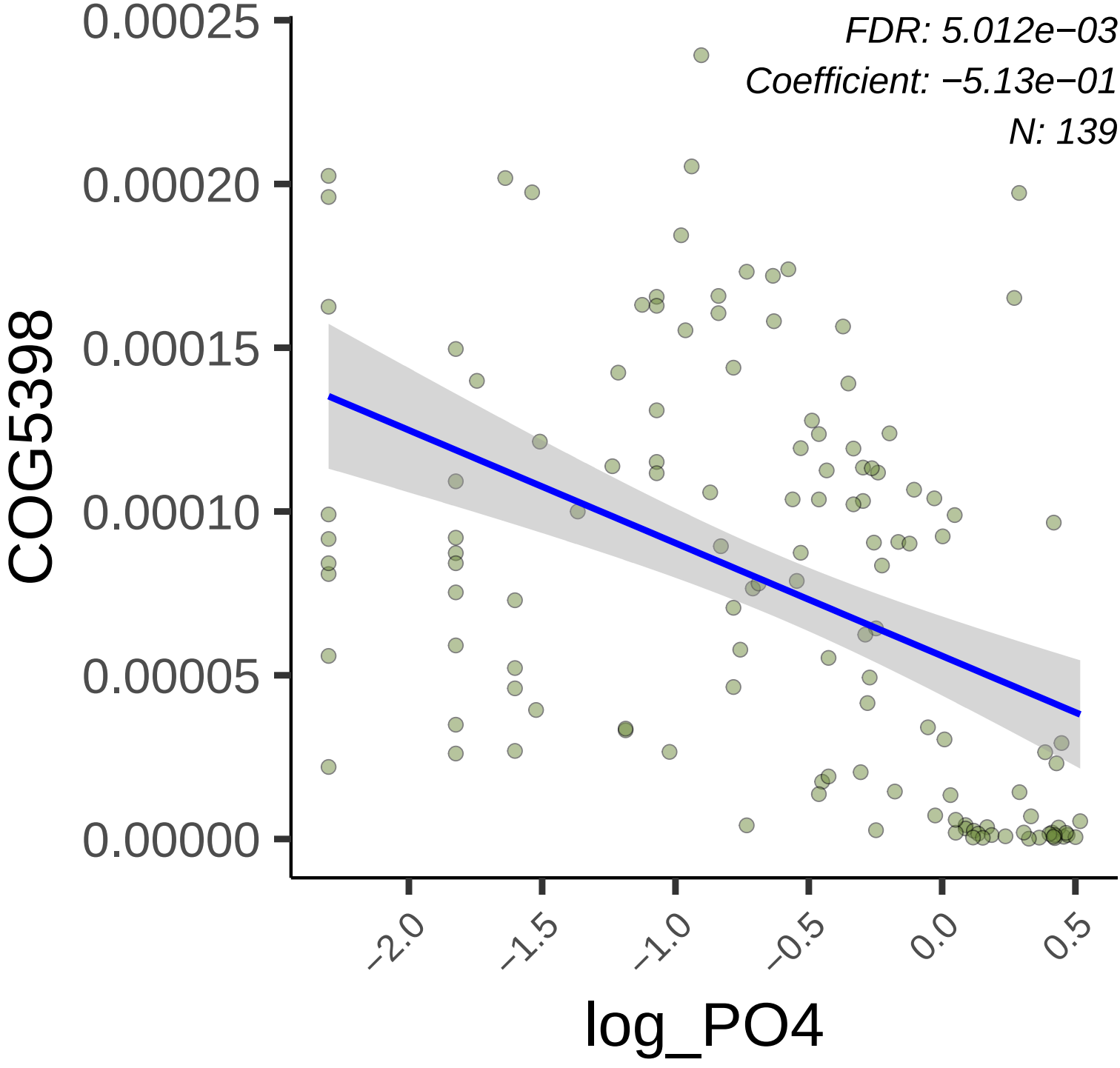
log_PO4


FDR: 5.012e−03
Coefficient: −5.13e−01
N: 139
COG5398
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0.00020
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0.00005
0.00000
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−1.5
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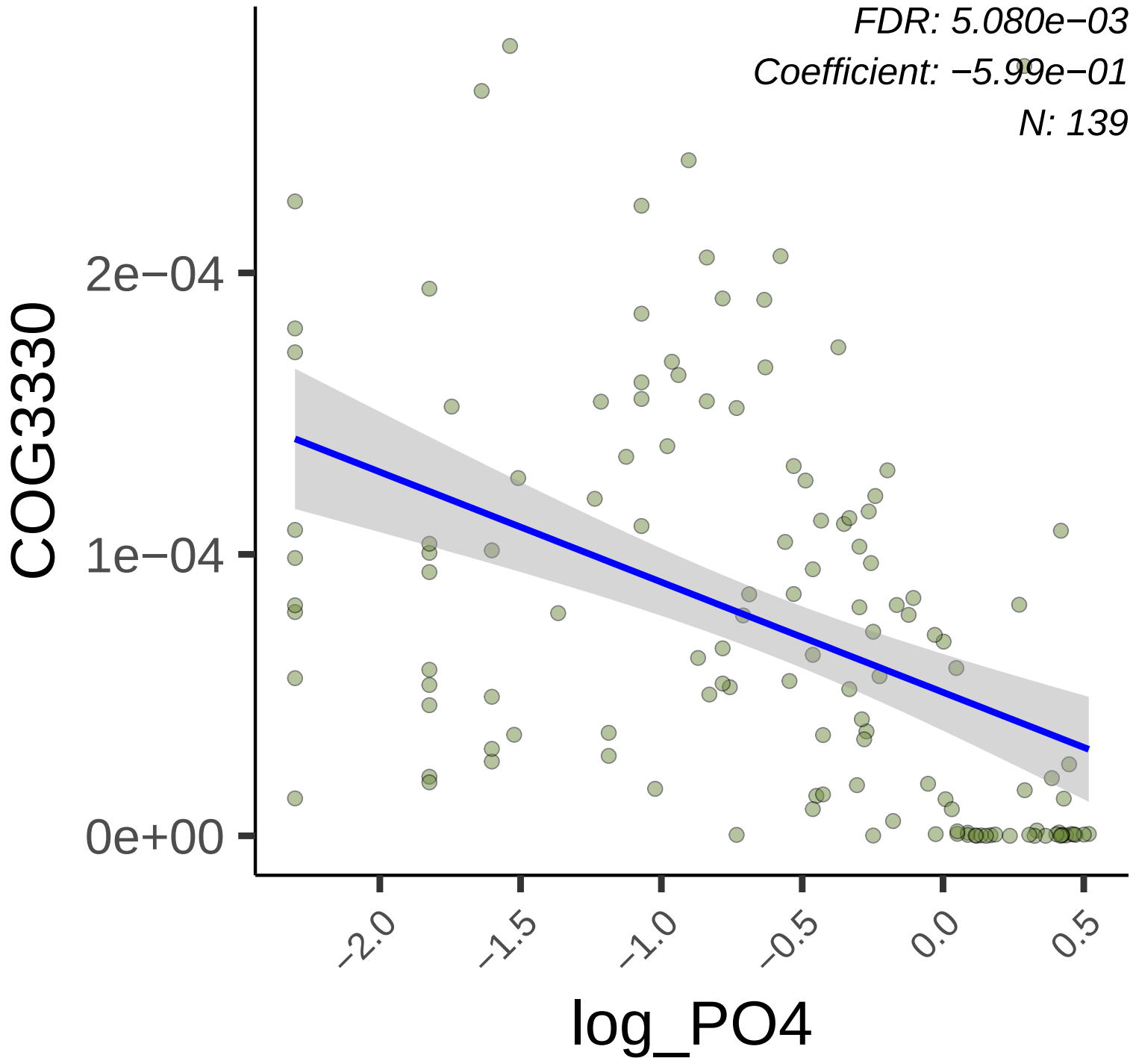
log_PO4


FDR: 5.080e−03
Coefficient: −5.99e−01
N: 139
COG3330
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−1.5
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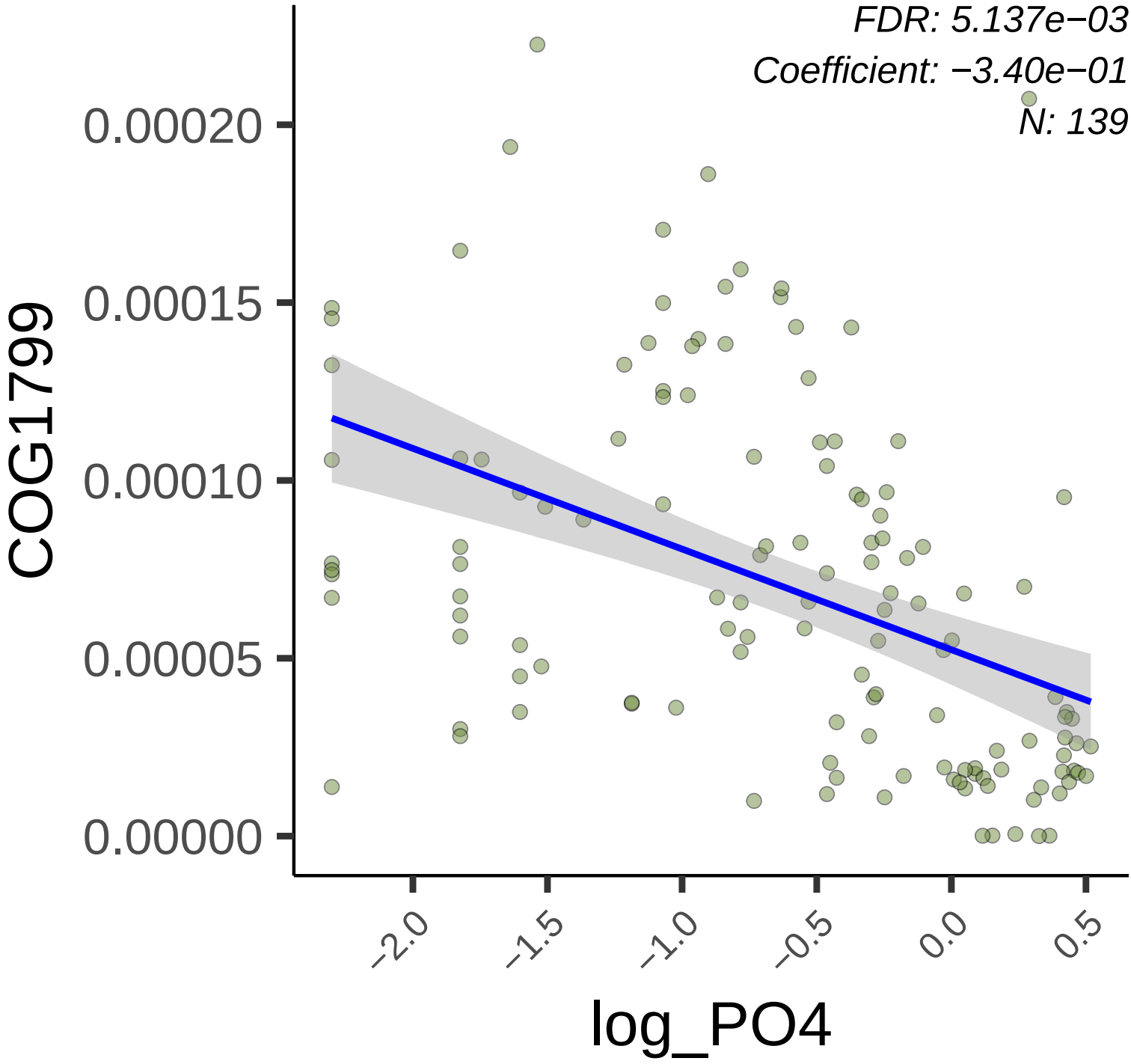
log_PO4


FDR: 5.137e−03
Coefficient: −3.40e−01
N: 139
COG1799
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0.00015
0.00010
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0.00000
−2.0
−1.5
−1.0
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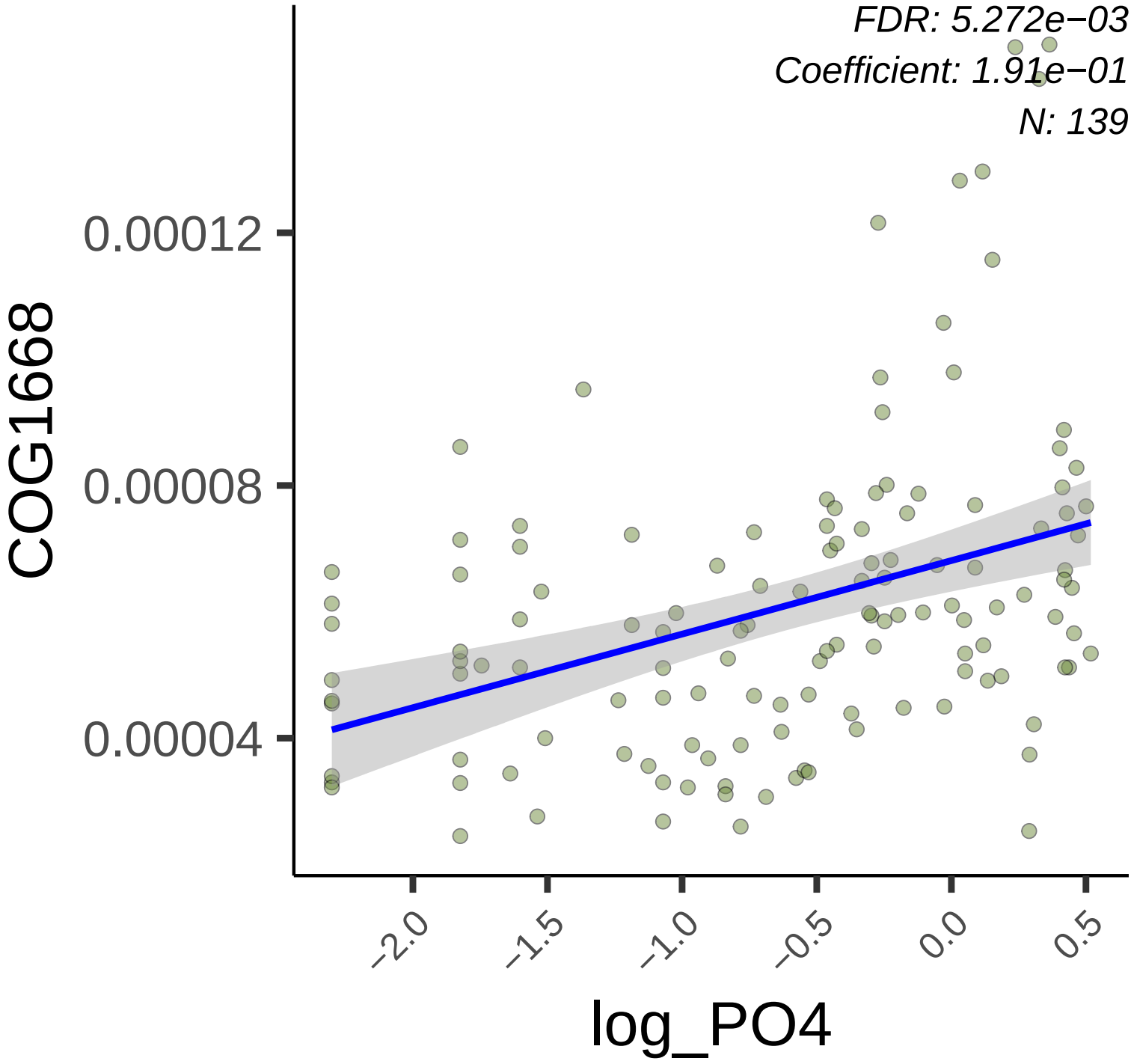
0.0
0.5
log_PO4


FDR: 5.272e−03
Coefficient: 1.91e−01
N: 139
COG1668
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0.00008
0.00004
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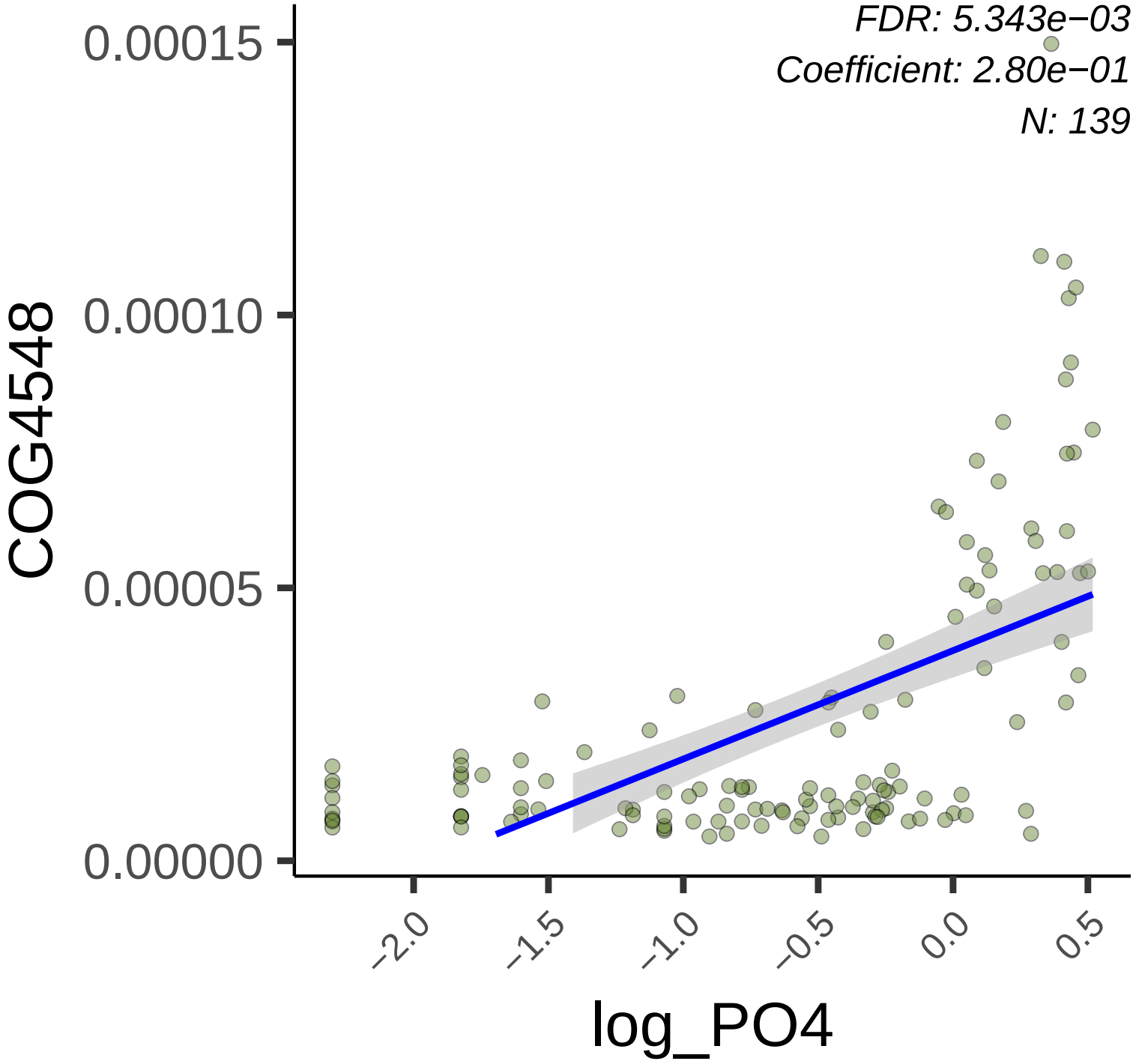
log_PO4


FDR: 5.343e−03
Coefficient: 2.80e−01
N: 139
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0.00000
COG4548
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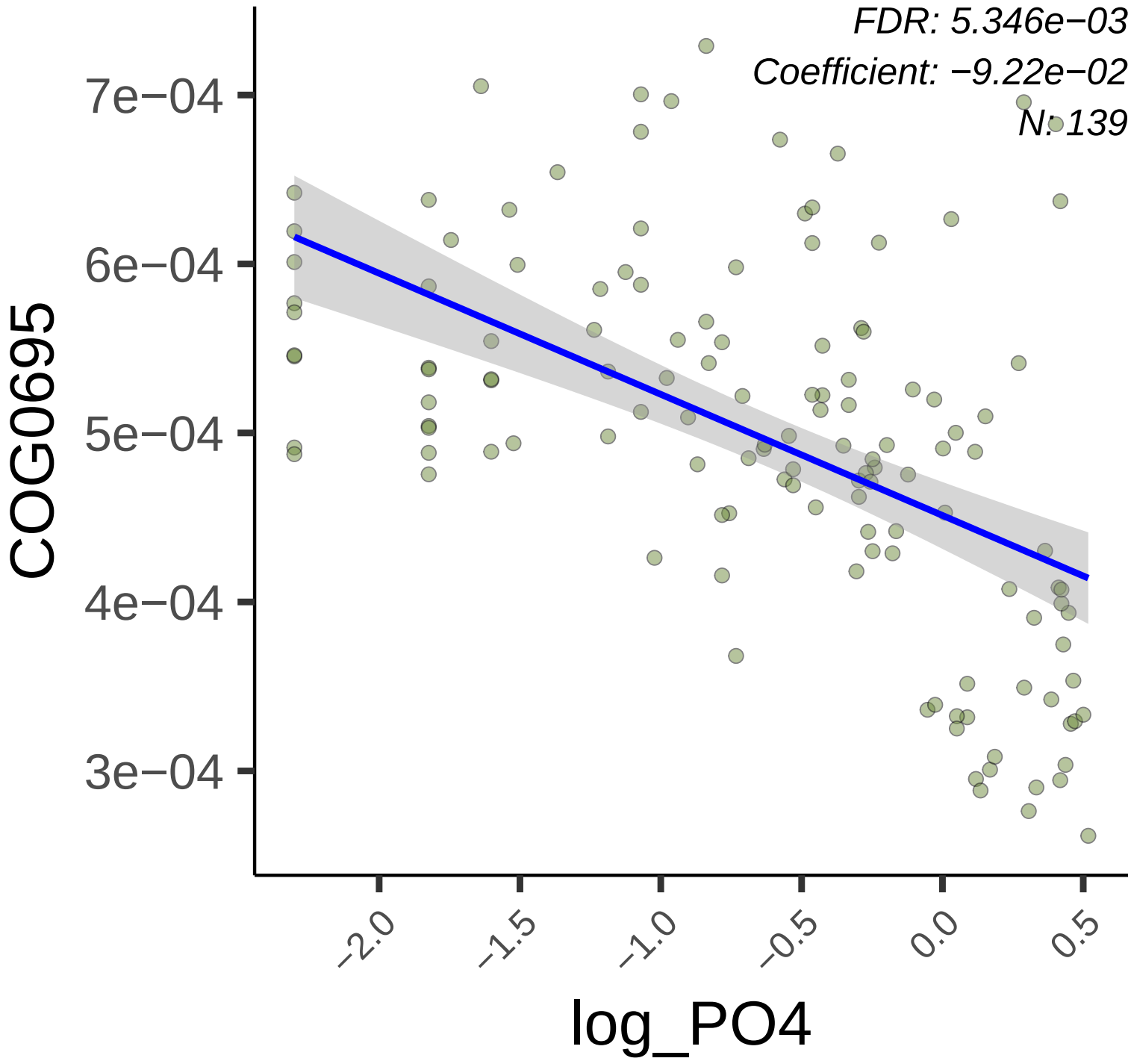
log_PO4


FDR: 5.346e−03
Coefficient: −9.22e−02
N: 139
7e−04
6e−04
5e−04
4e−04
3e−04
COG0695
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−1.5
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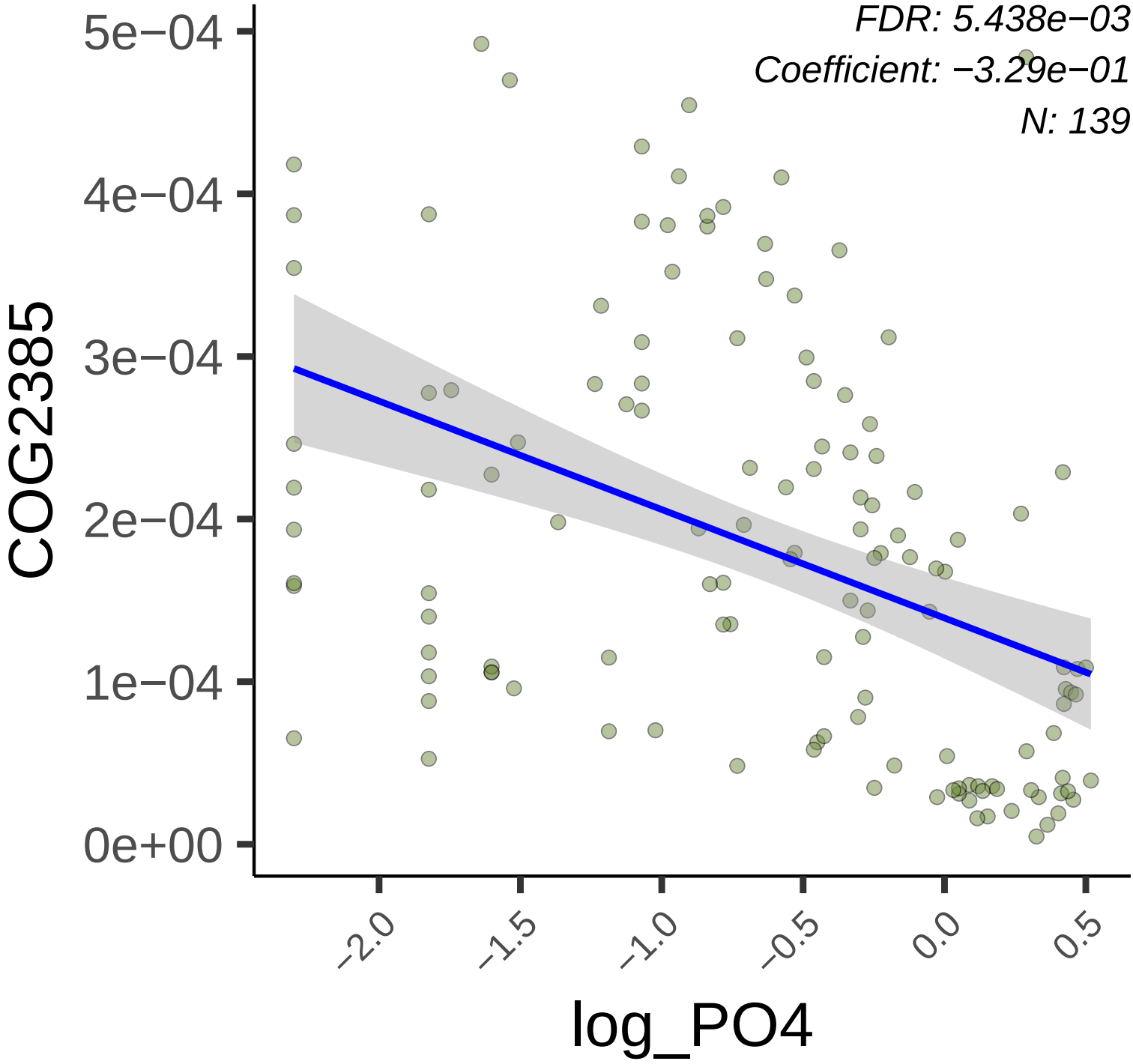
log_PO4


FDR: 5.438e−03
Coefficient: −3.29e−01
N: 139
COG2385
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4e−04
3e−04
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−1.5
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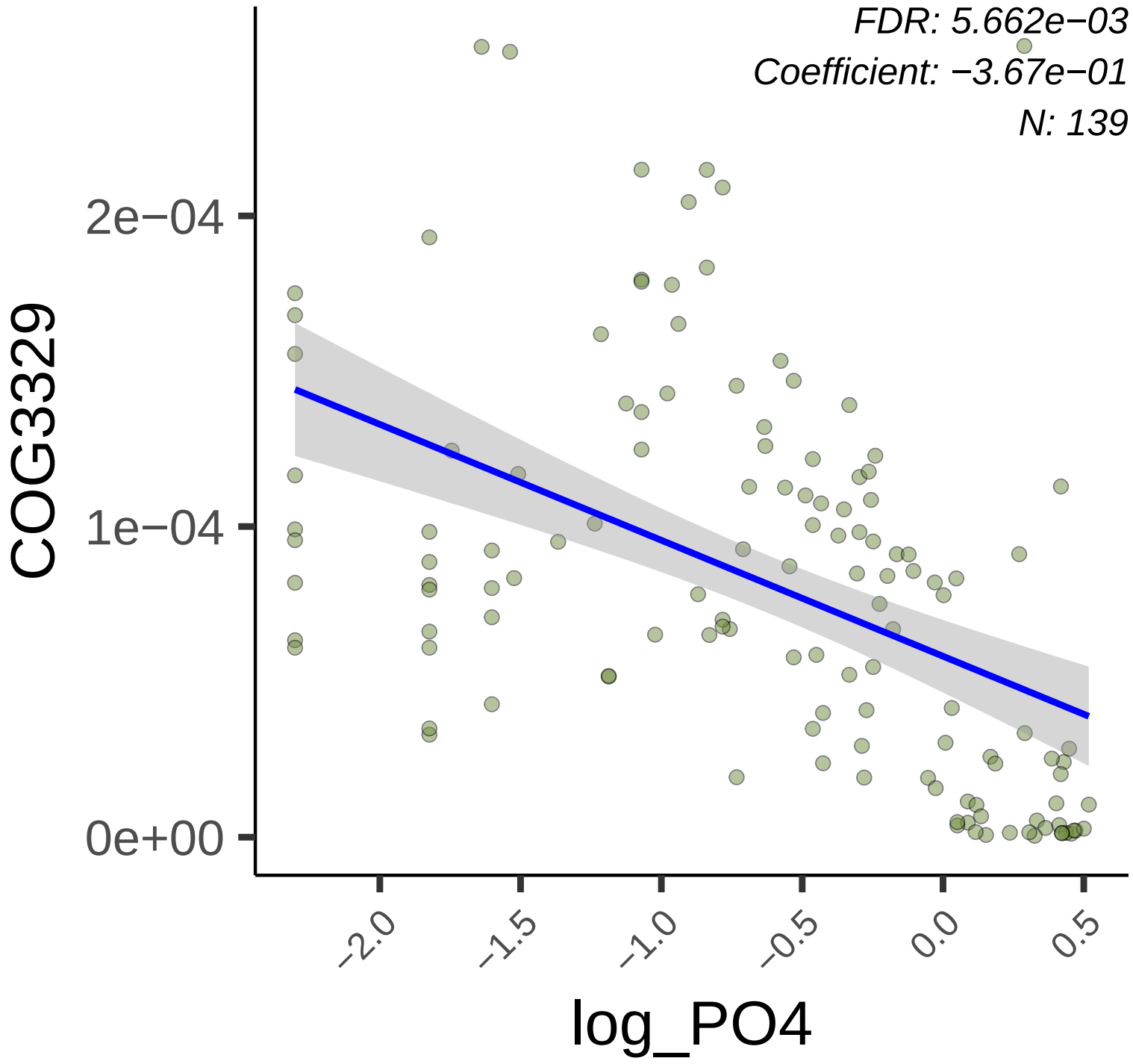
log_PO4


FDR: 5.662e−03
Coefficient: −3.67e−01
N: 139
COG3329
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1e−04
0e+00
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−1.5
−1.0
−0.5
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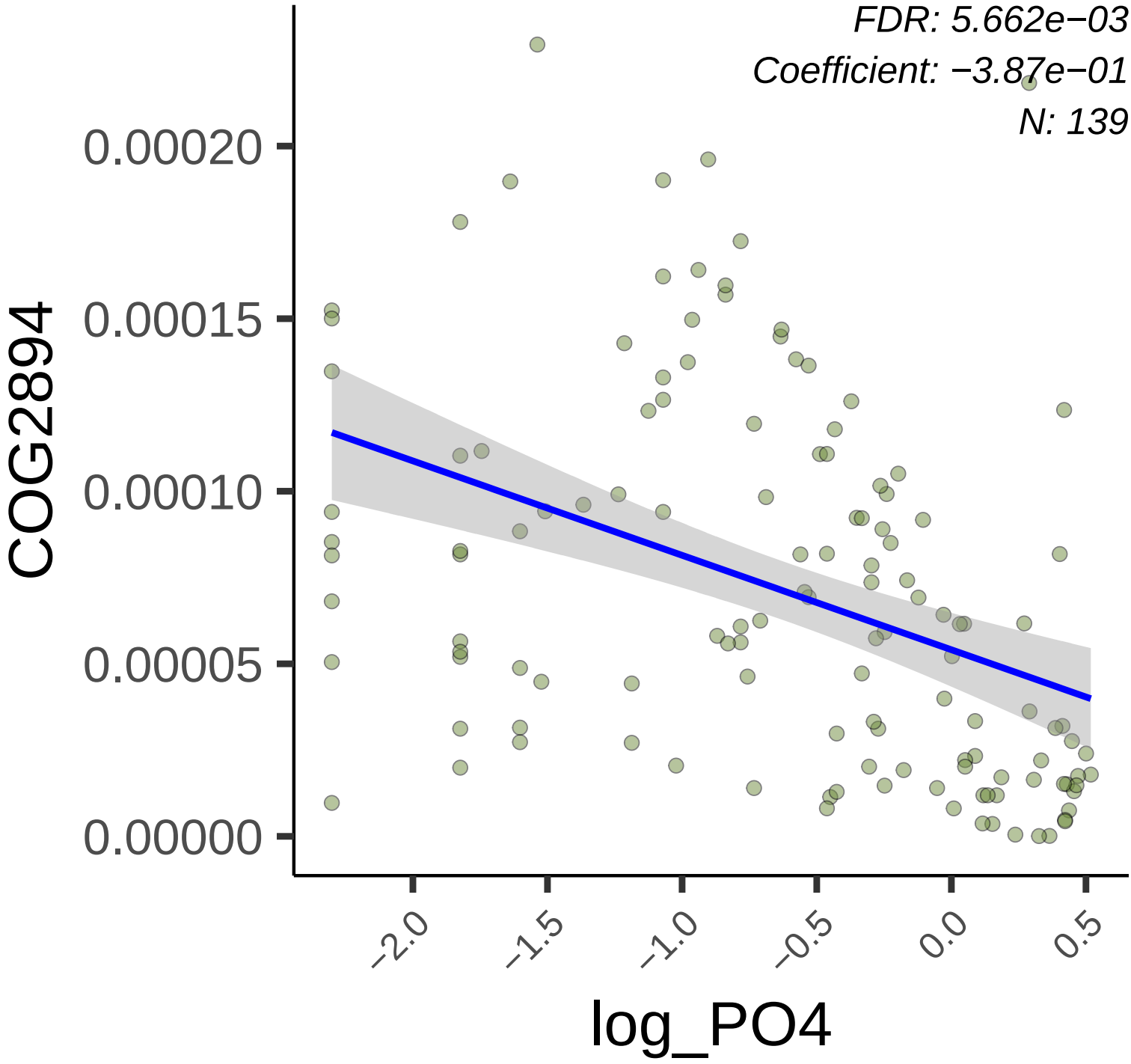
log_PO4


FDR: 5.662e−03
Coefficient: −3.87e−01
N: 139
COG2894
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0.00000
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−1.0
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0.0
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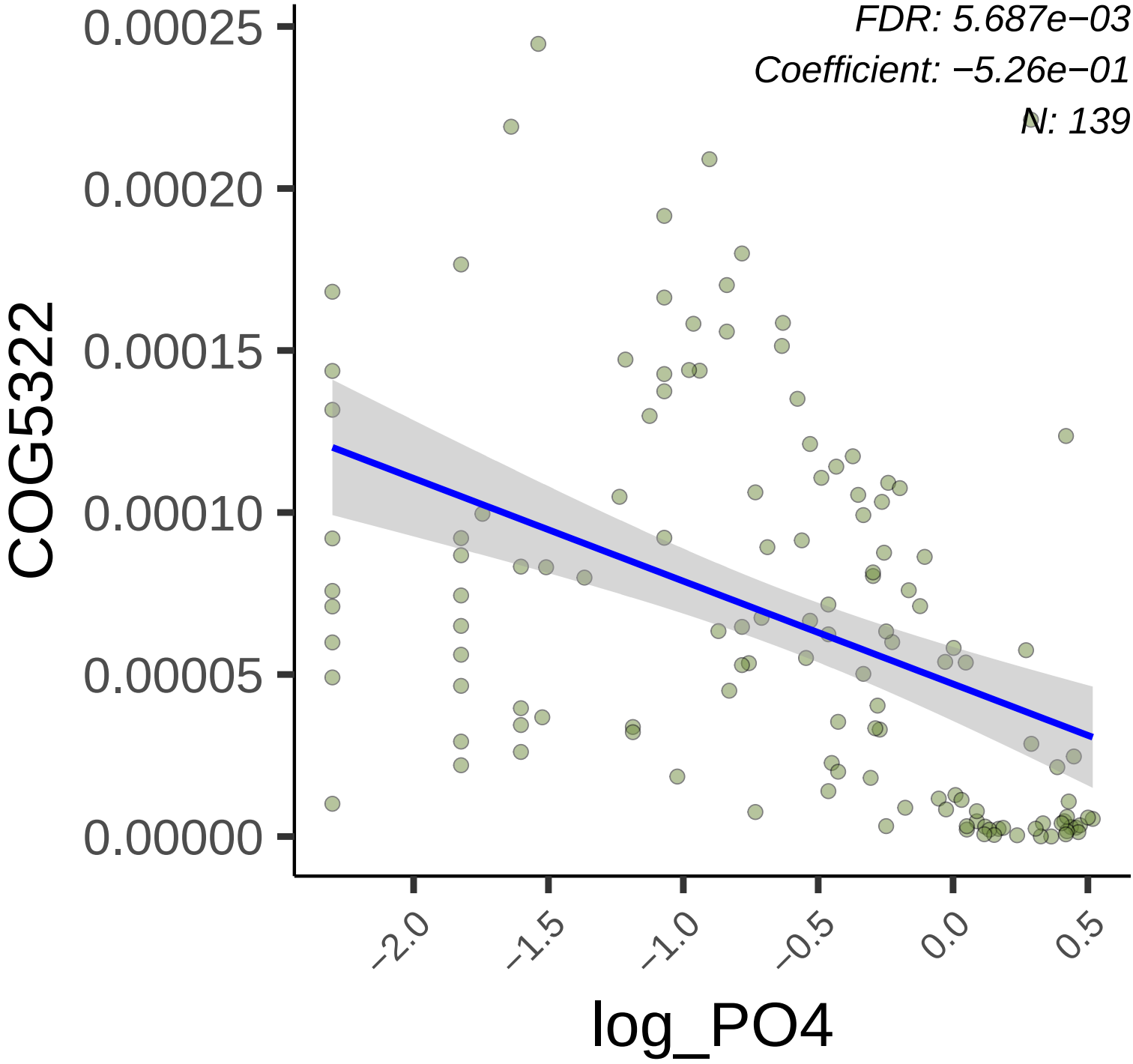
log_PO4


FDR: 5.687e−03
Coefficient: −5.26e−01
N: 139
COG5322
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0.00000
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−1.0
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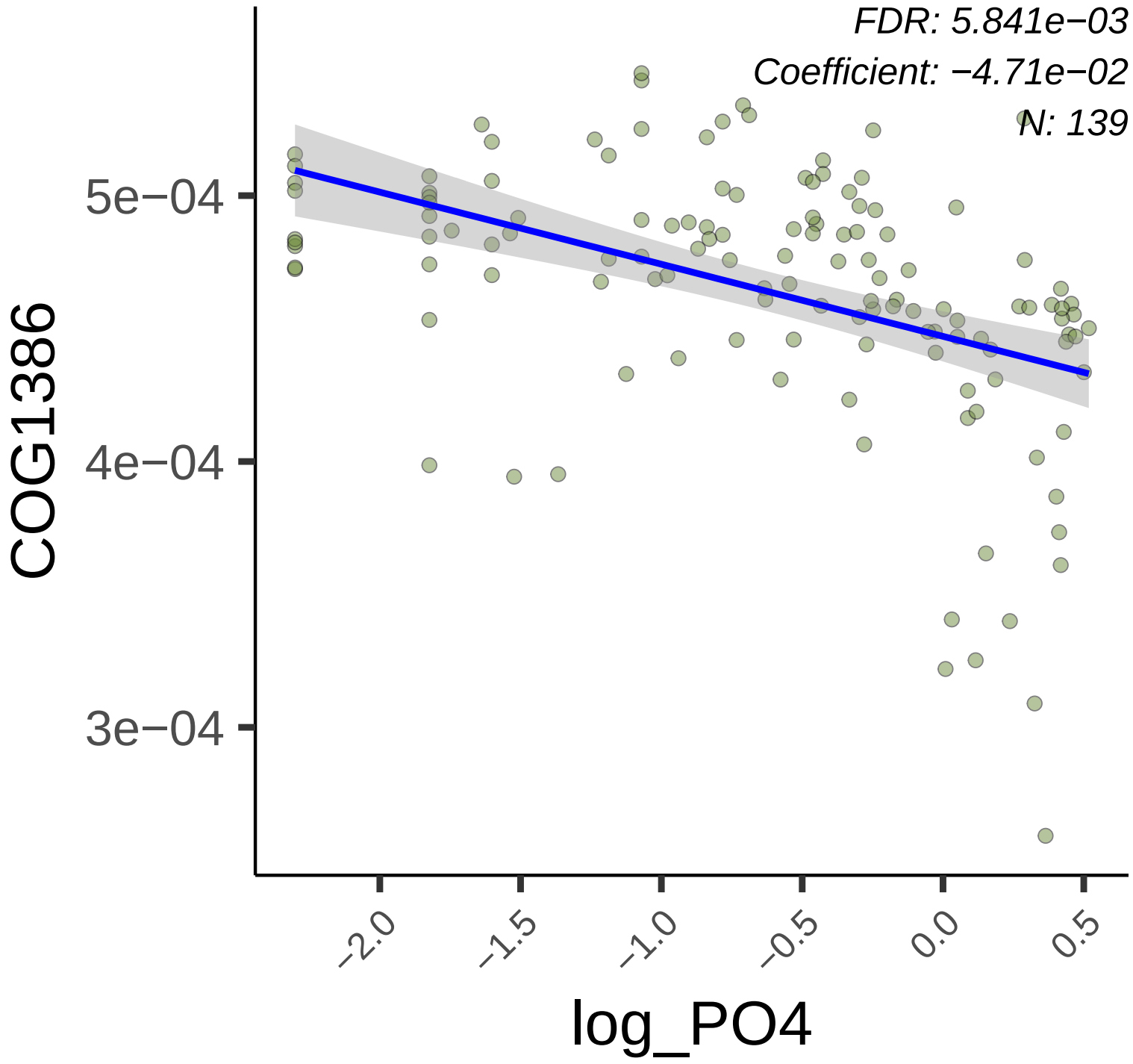
log_PO4


FDR: 5.841e−03
Coefficient: −4.71e−02
N: 139
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COG1386
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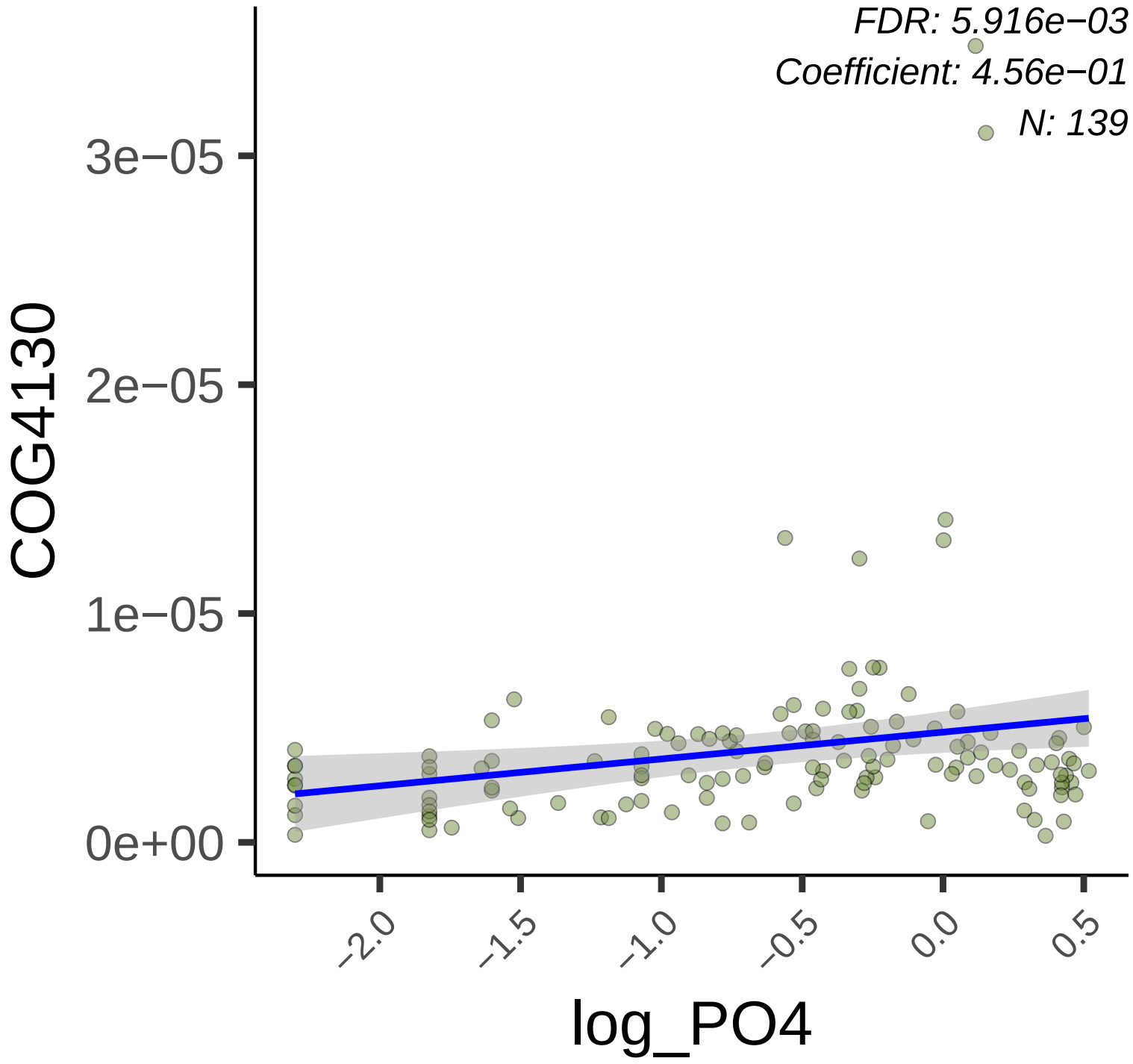
log_PO4


FDR: 5.916e−03
Coefficient: 4.56e−01
N: 139
COG4130
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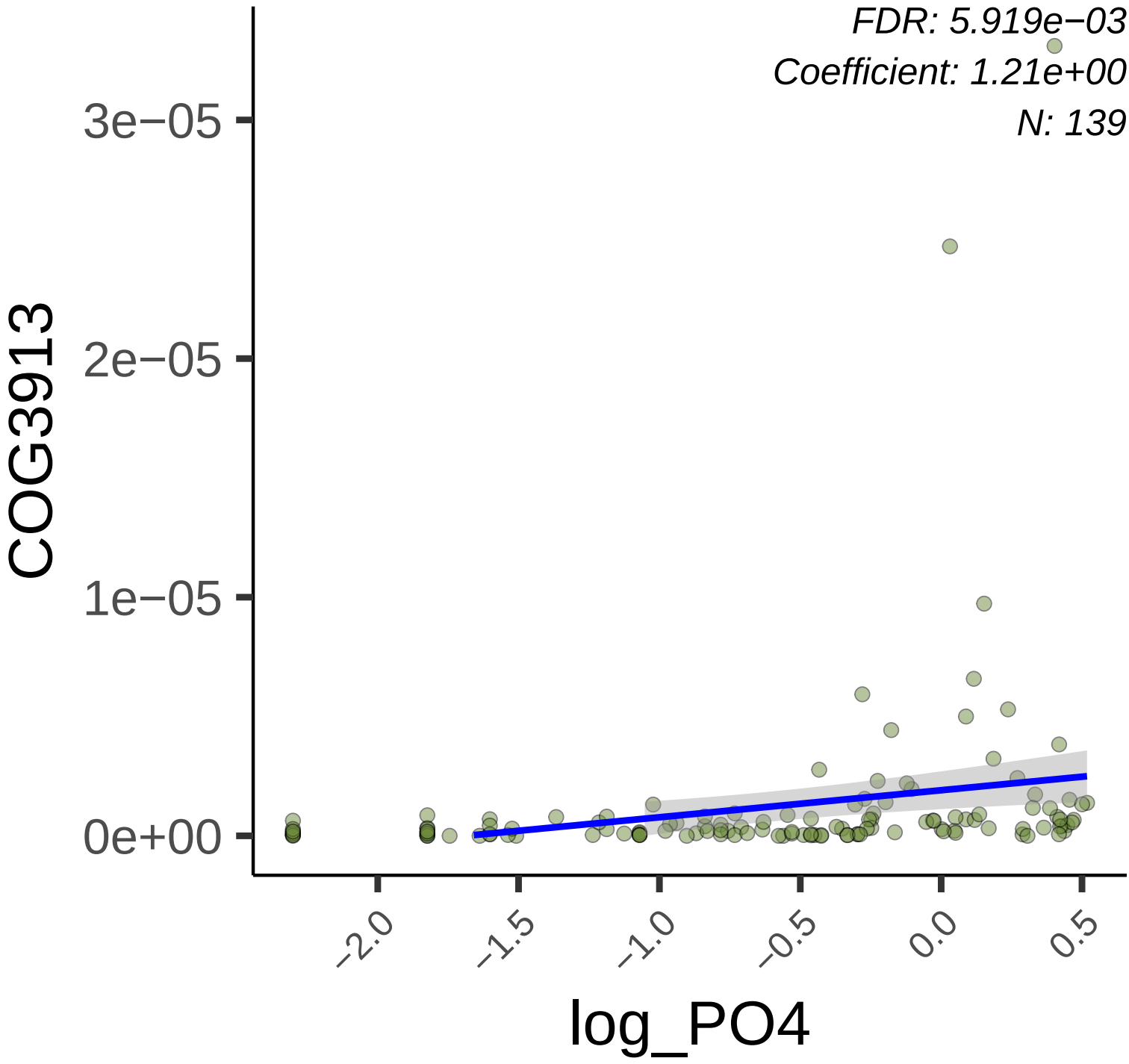
log_PO4


FDR: 5.919e−03
Coefficient: 1.21e+00
N: 139
COG3913
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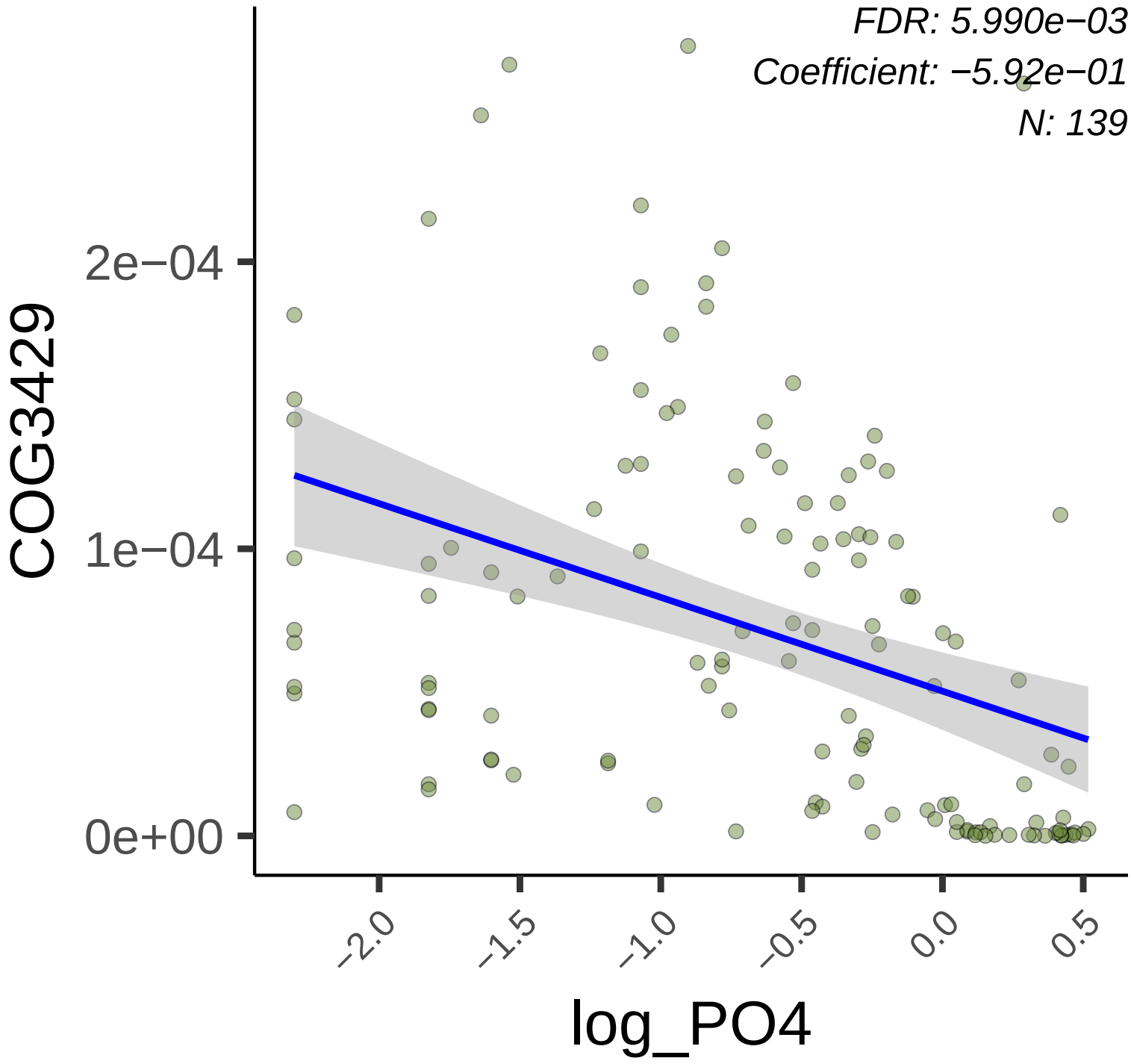
log_PO4


FDR: 5.990e−03
Coefficient: −5.92e−01
N: 139
COG3429
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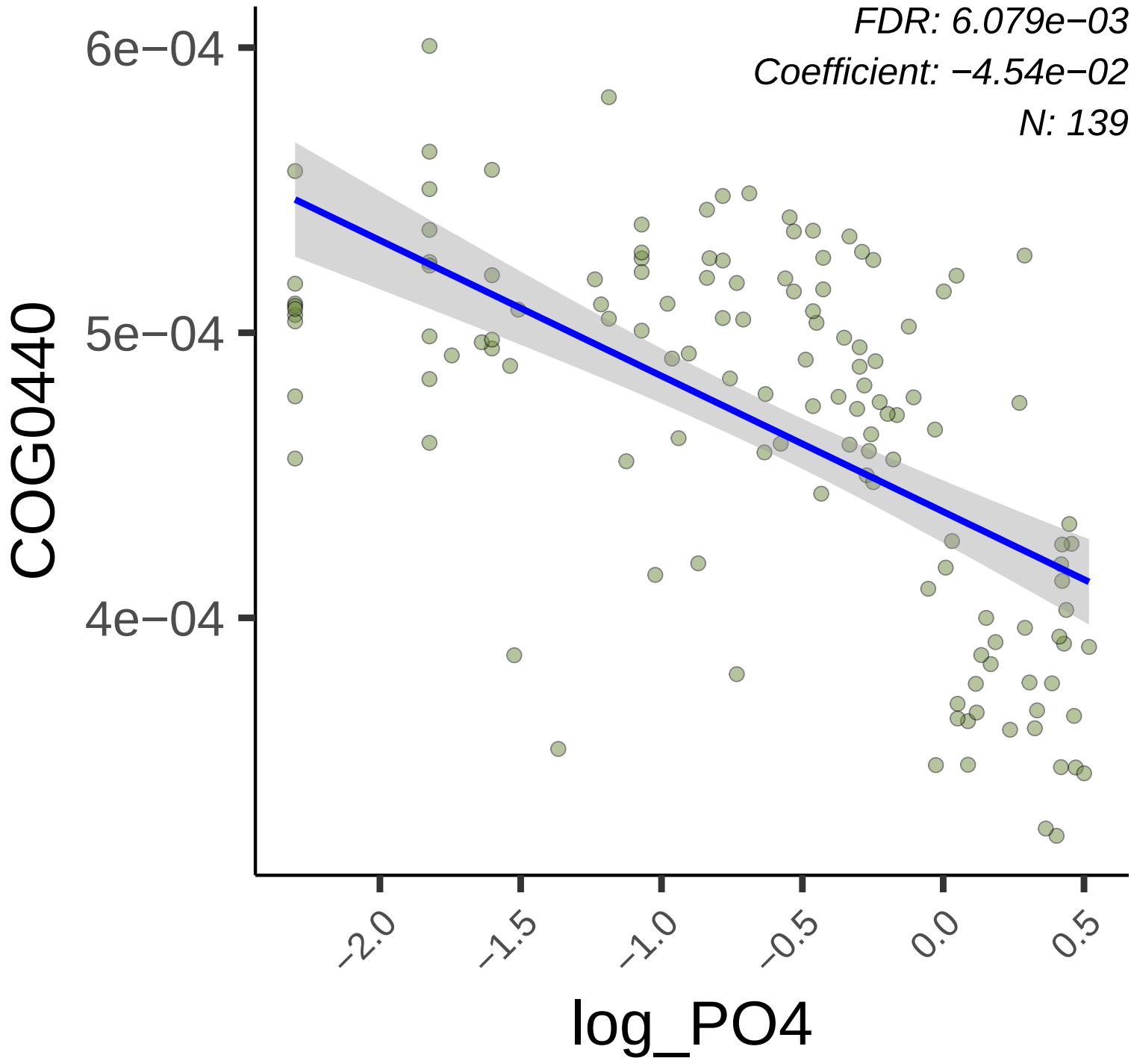
log_PO4


FDR: 6.079e−03
Coefficient: −4.54e−02
N: 139
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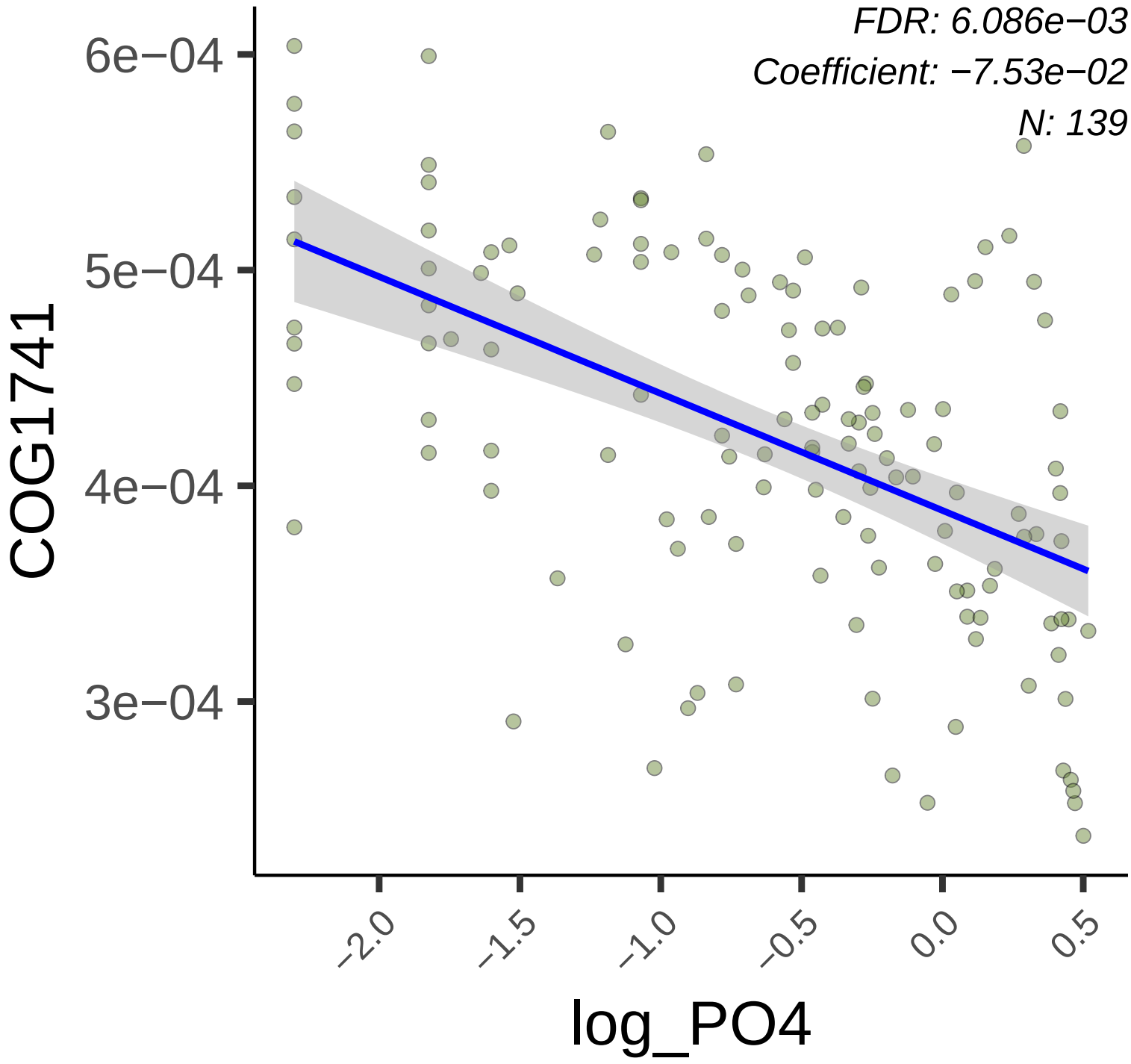
log_PO4


FDR: 6.086e−03
Coefficient: −7.53e−02
N: 139
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5e−04
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COG1741
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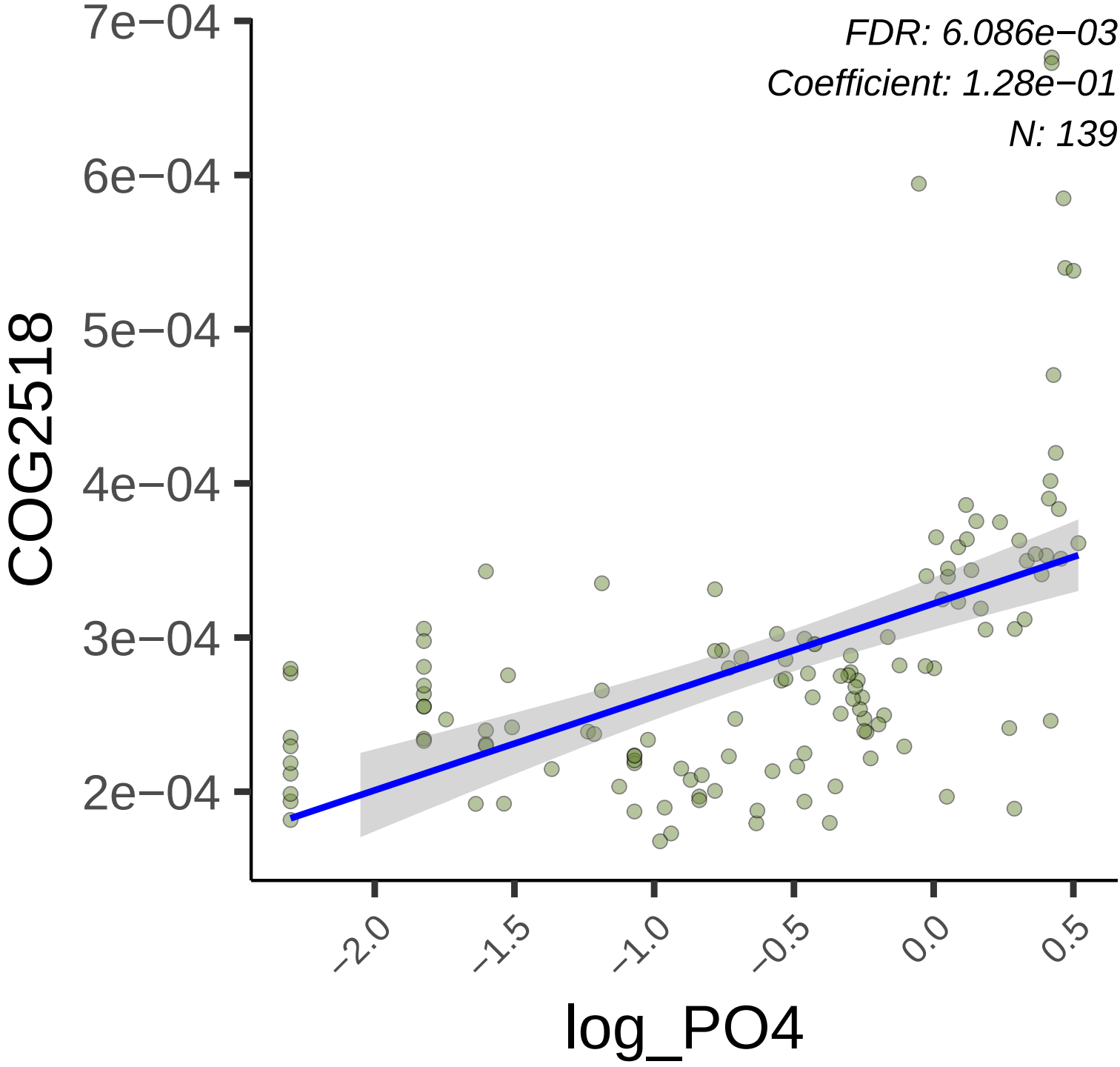
log_PO4


FDR: 6.086e−03
Coefficient: 1.28e−01
N: 139
COG2518
7e−04
6e−04
5e−04
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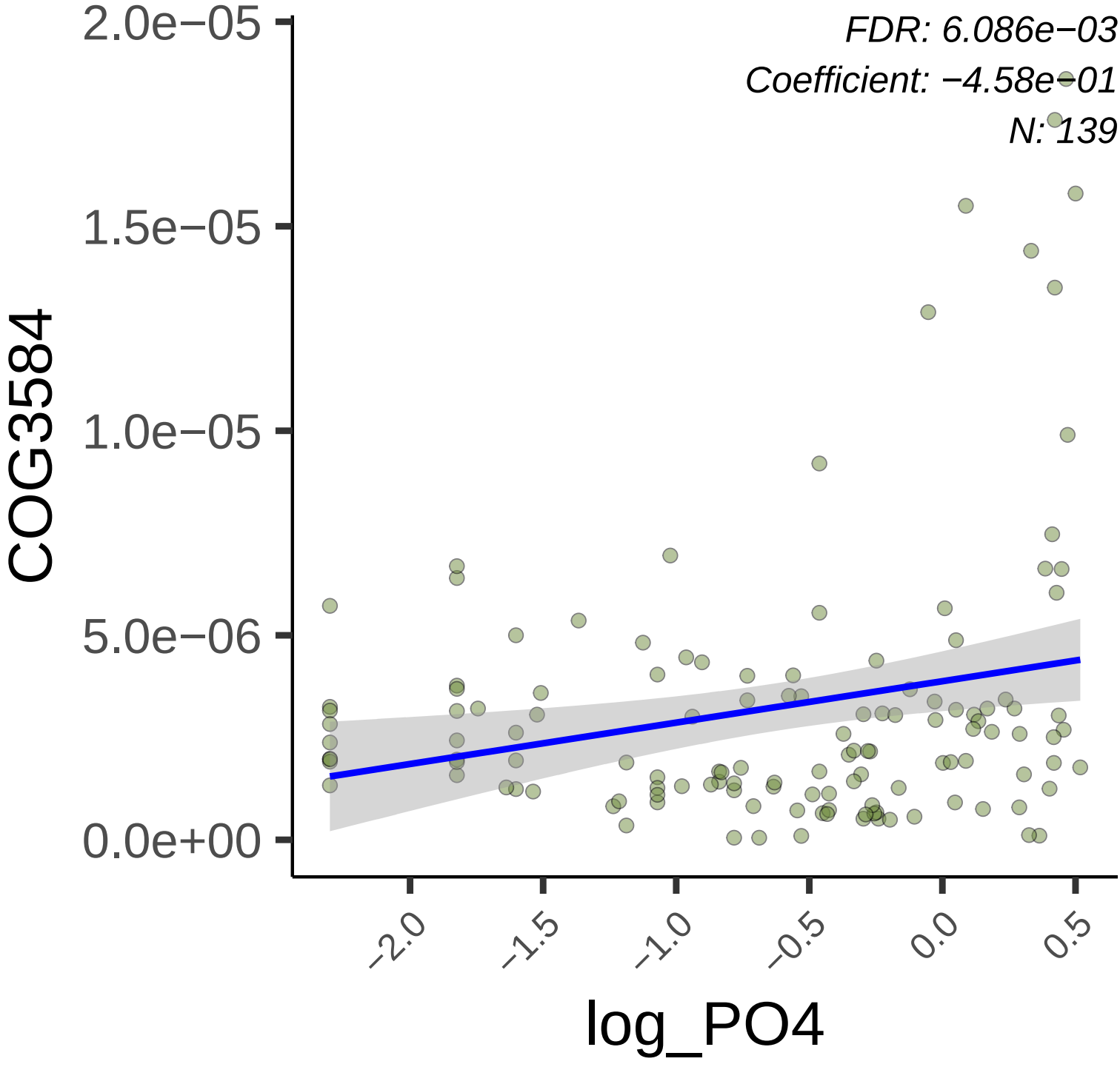
log_PO4


FDR: 6.086e−03
Coefficient: −4.58e−01
N: 139
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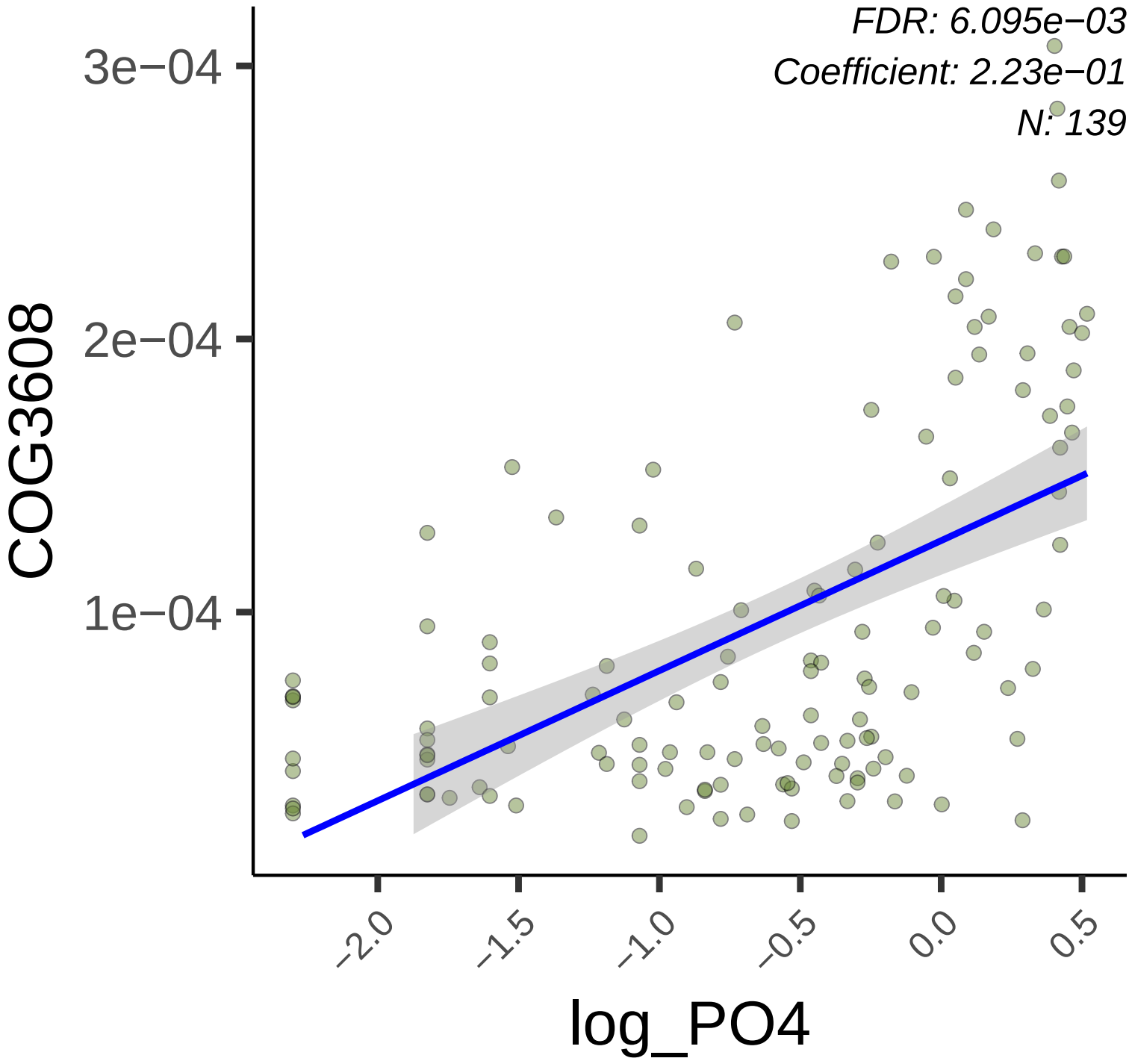
log_PO4


FDR: 6.095e−03
Coefficient: 2.23e−01
N: 139
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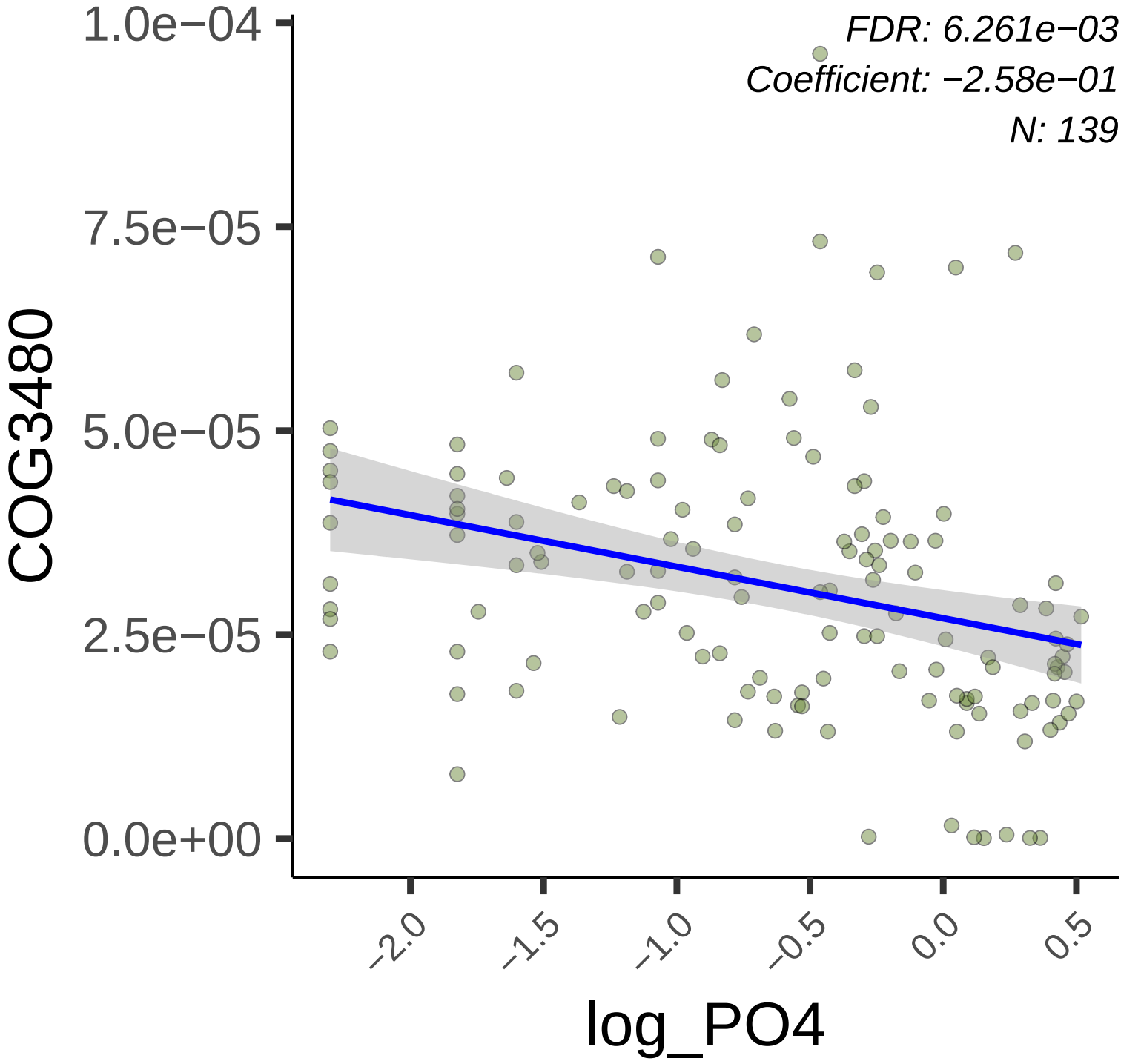
log_PO4


FDR: 6.261e−03
Coefficient: −2.58e−01
N: 139
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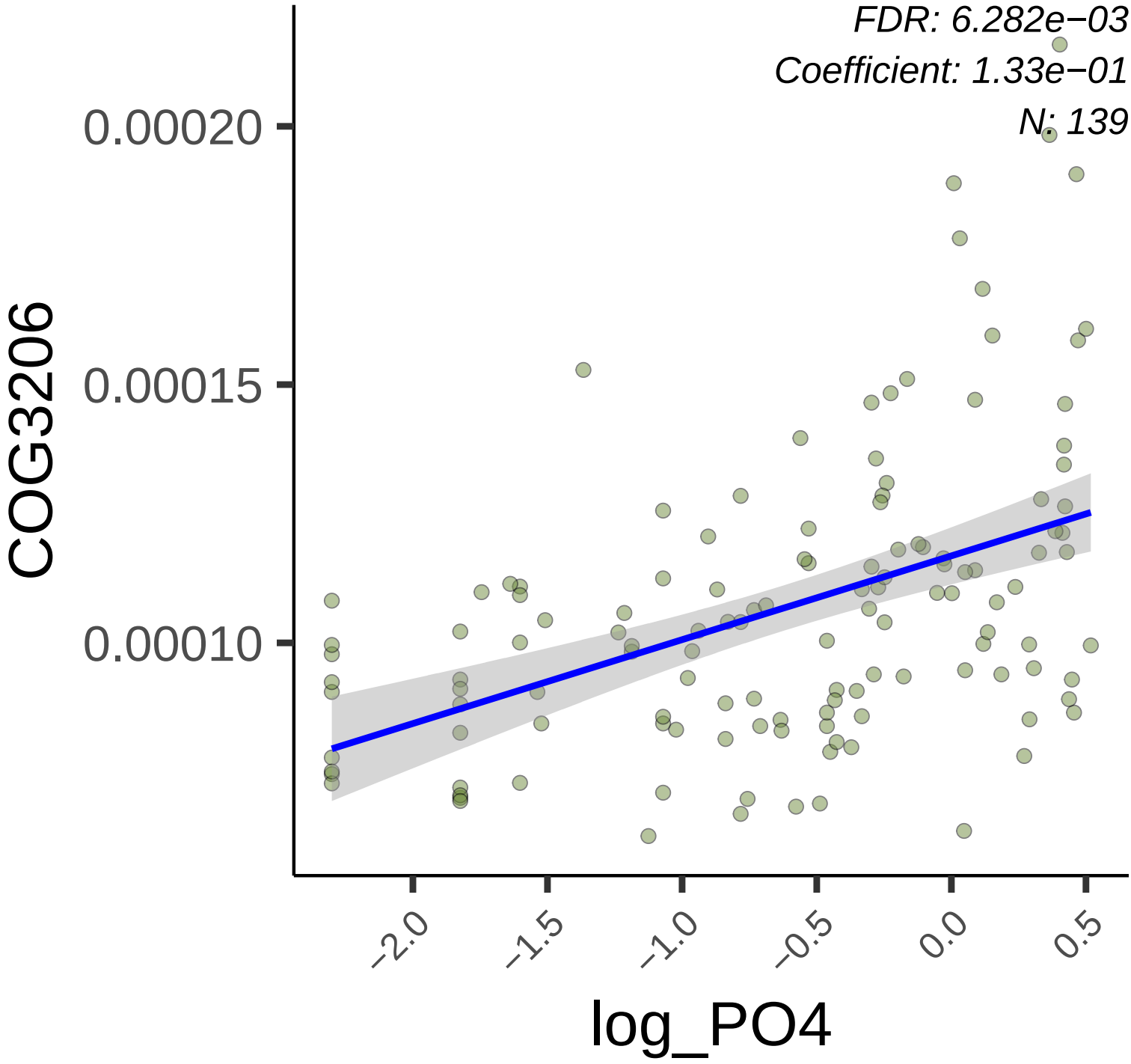
log_PO4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Coefficient: 1.33e−01
N: 139
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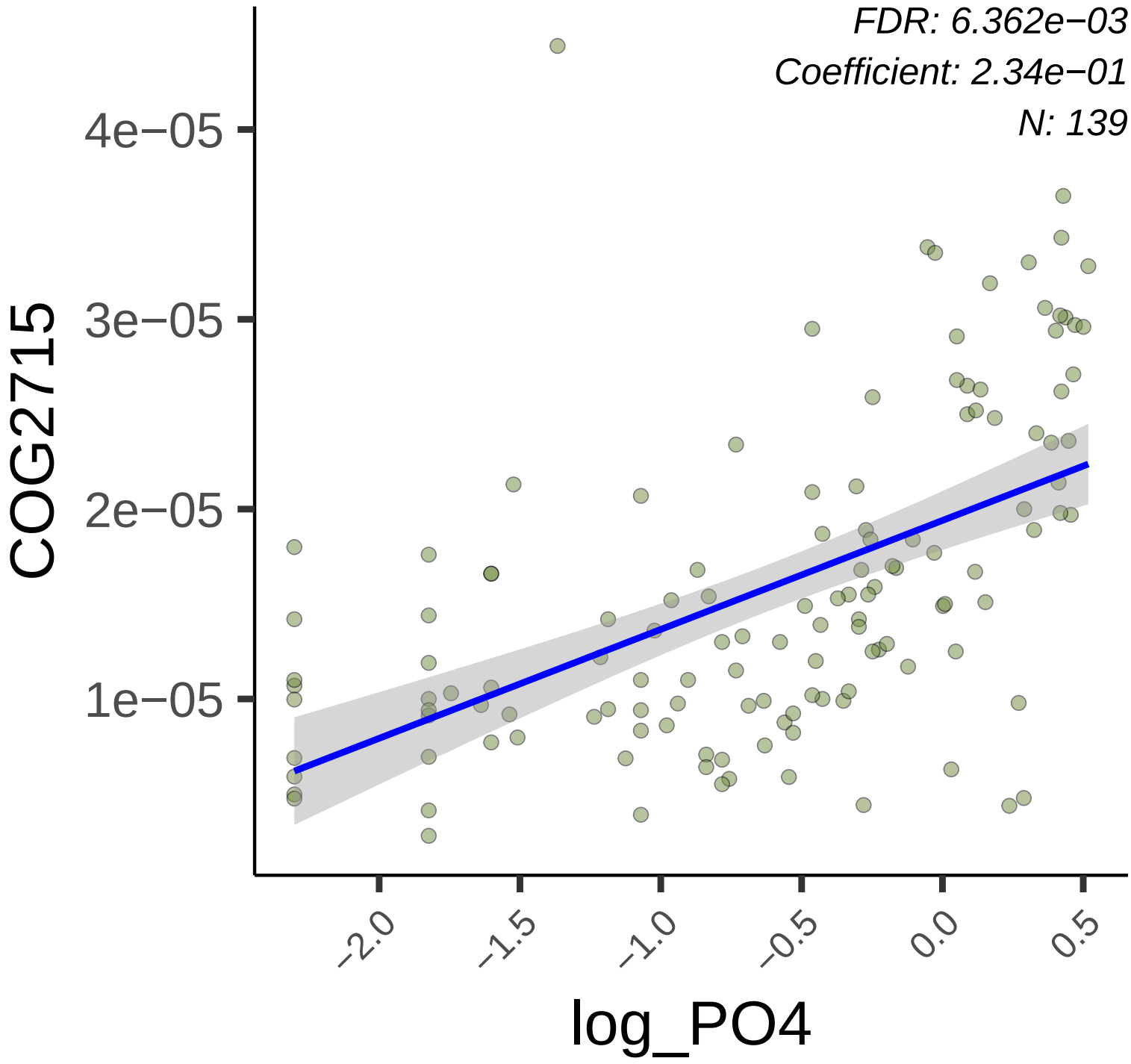
log_PO4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Coefficient: 2.34e−01
N: 139
COG2715
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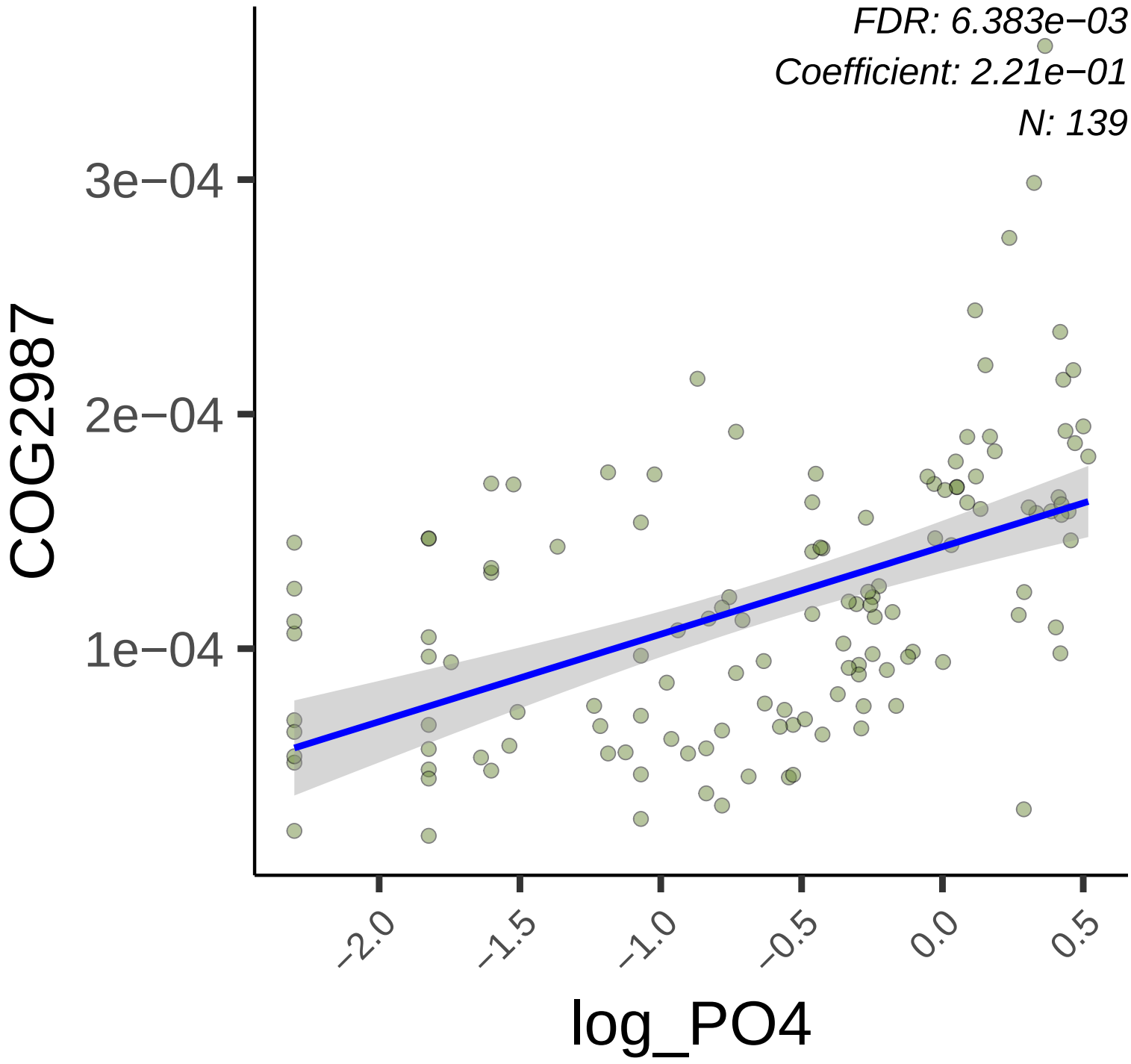
log_PO4


FDR: 6.383e−03
Coefficient: 2.21e−01
N: 139
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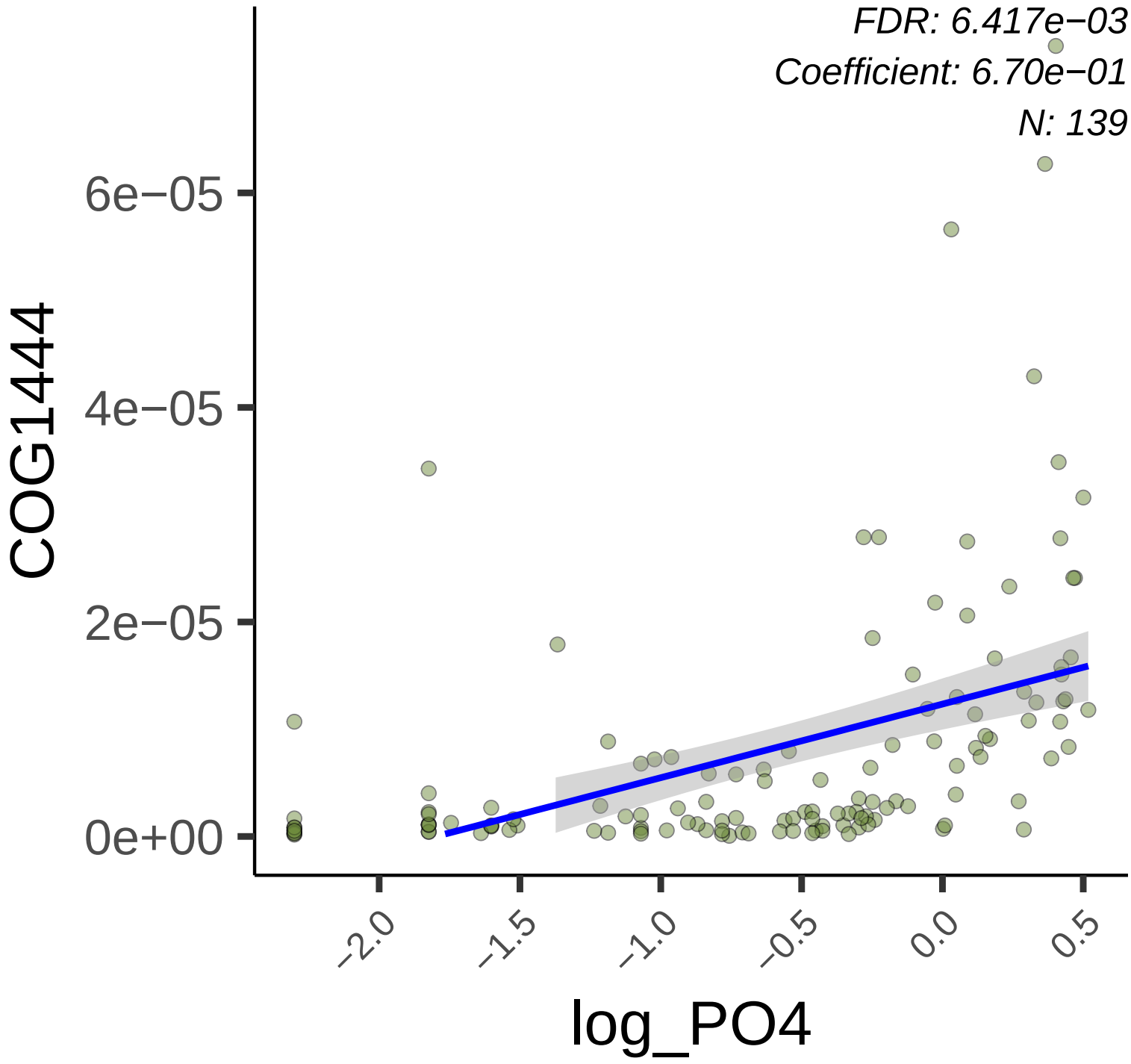
log_PO4


FDR: 6.417e−03
Coefficient: 6.70e−01
N: 139
COG1444
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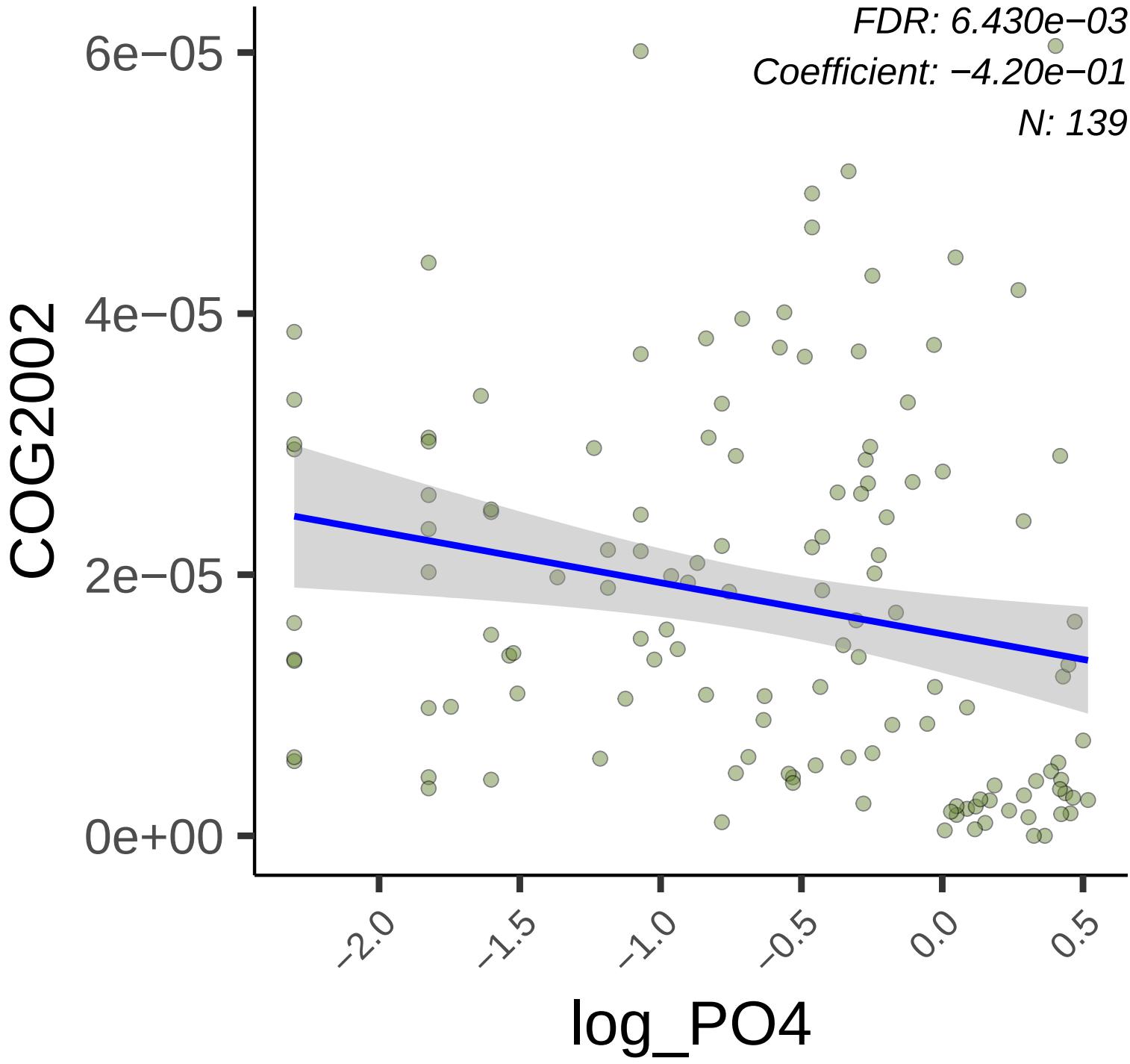
log_PO4


FDR: 6.430e−03
Coefficient: −4.20e−01
N: 139
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2e−05
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COG2002
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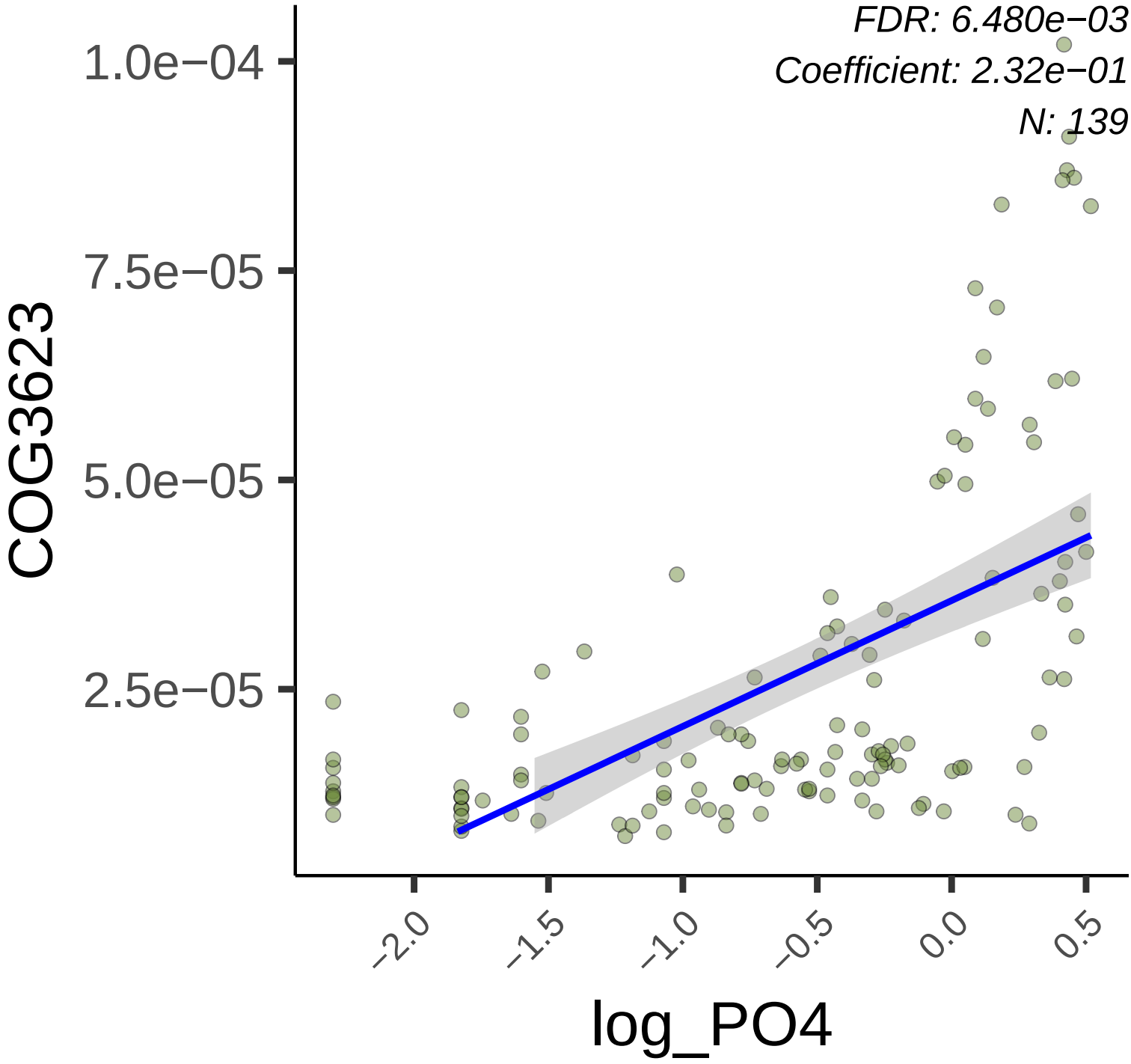
log_PO4


FDR: 6.480e−03
Coefficient: 2.32e−01
N: 139
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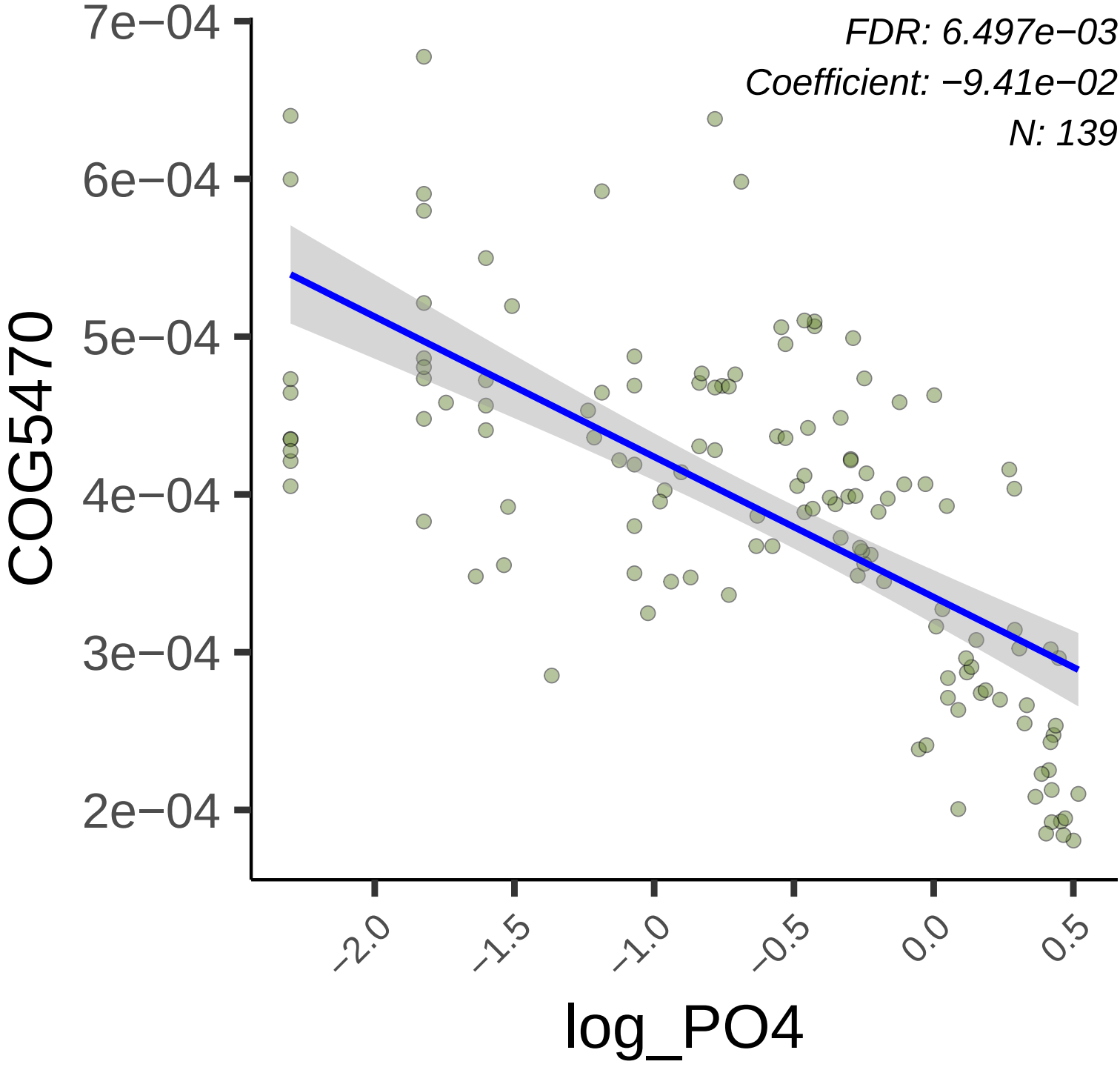
log_PO4


FDR: 6.497e−03
Coefficient: −9.41e−02
N: 139
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5e−04
4e−04
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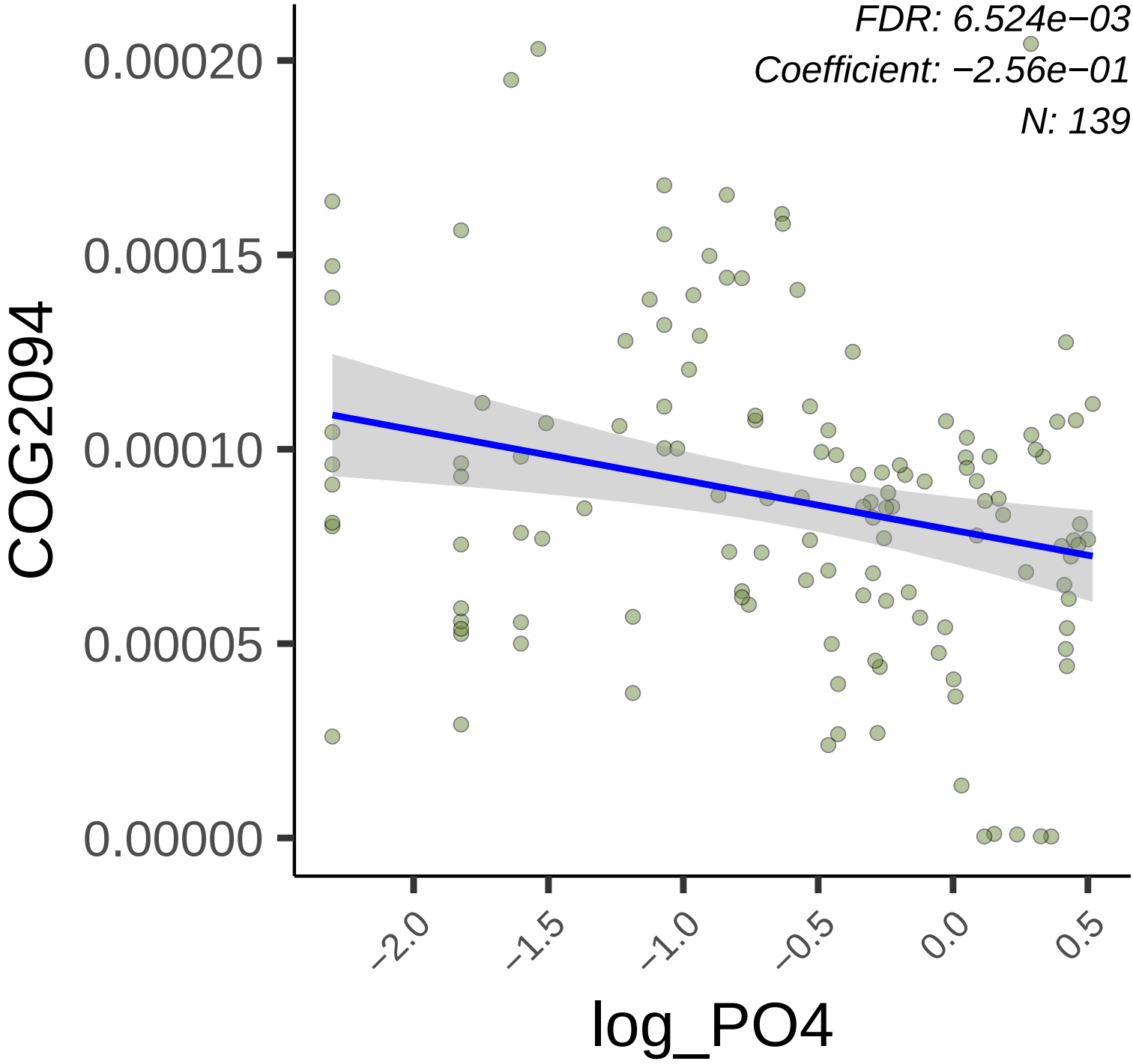
FDR: 6.524e−03
Coefficient: −2.56e−01
N: 139
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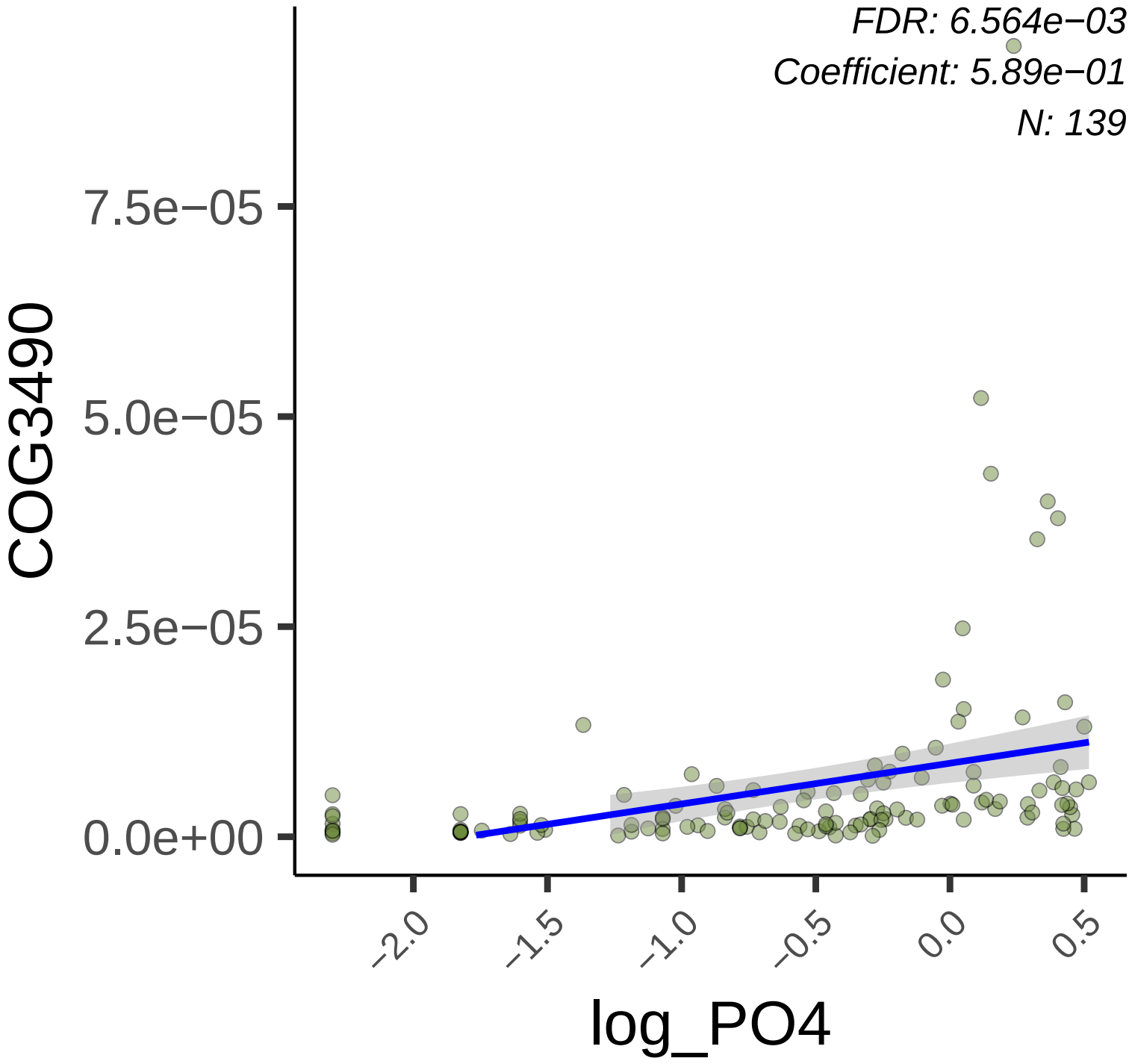
log_PO4


FDR: 6.564e−03
Coefficient: 5.89e−01
N: 139
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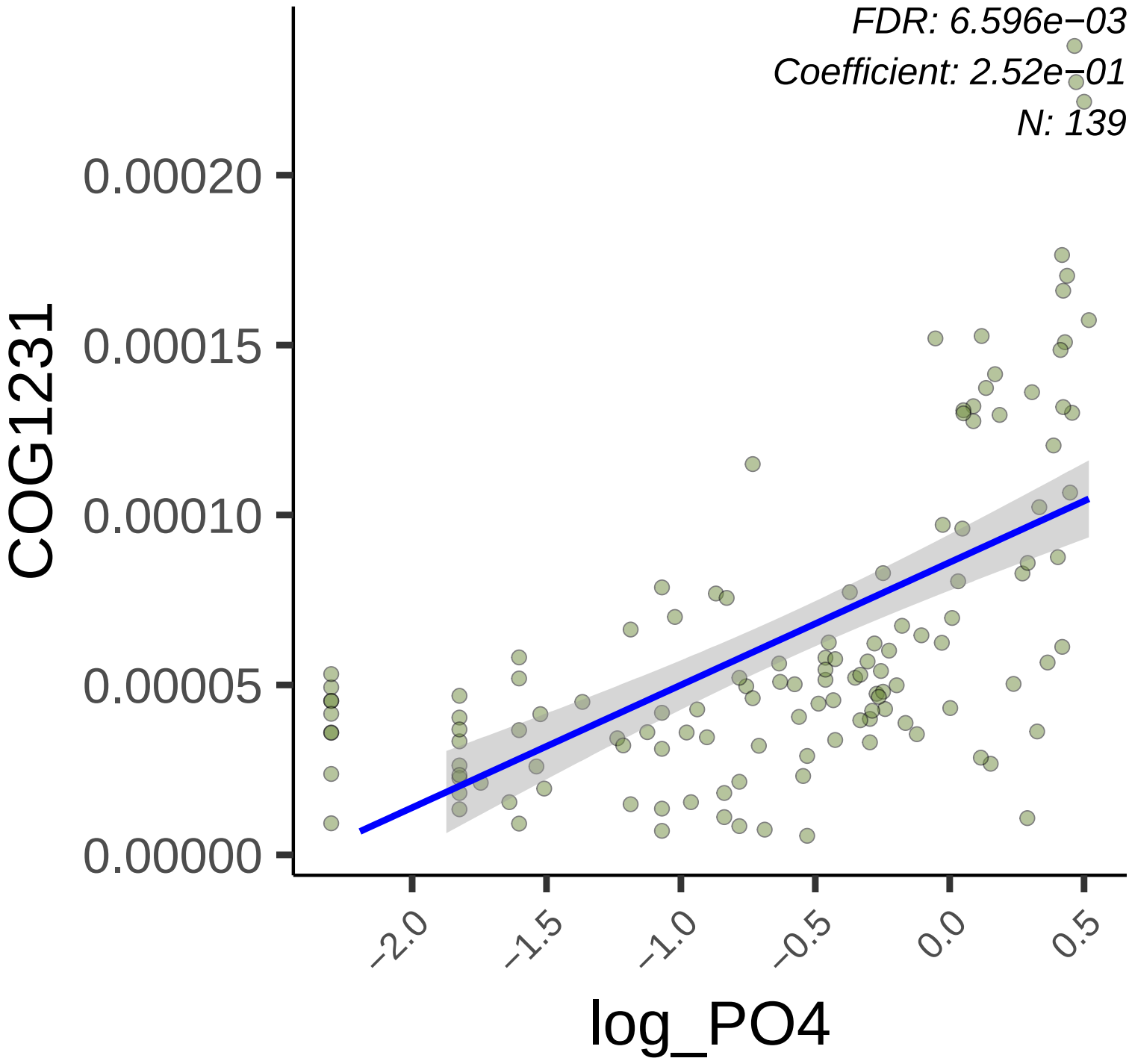
log_PO4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Coefficient: 2.52e−01
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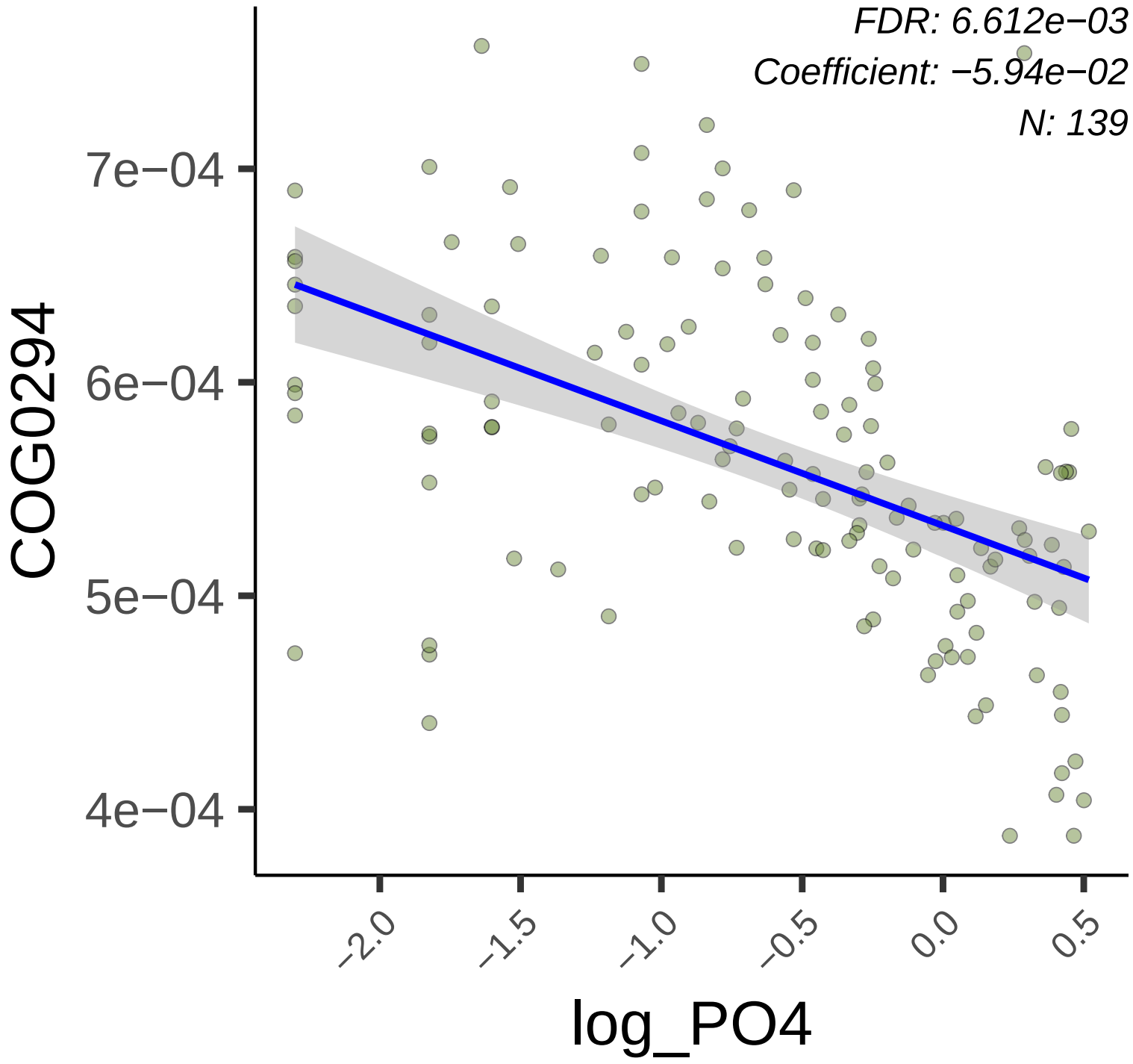
log_PO4


FDR: 6.612e−03
Coefficient: −5.94e−02
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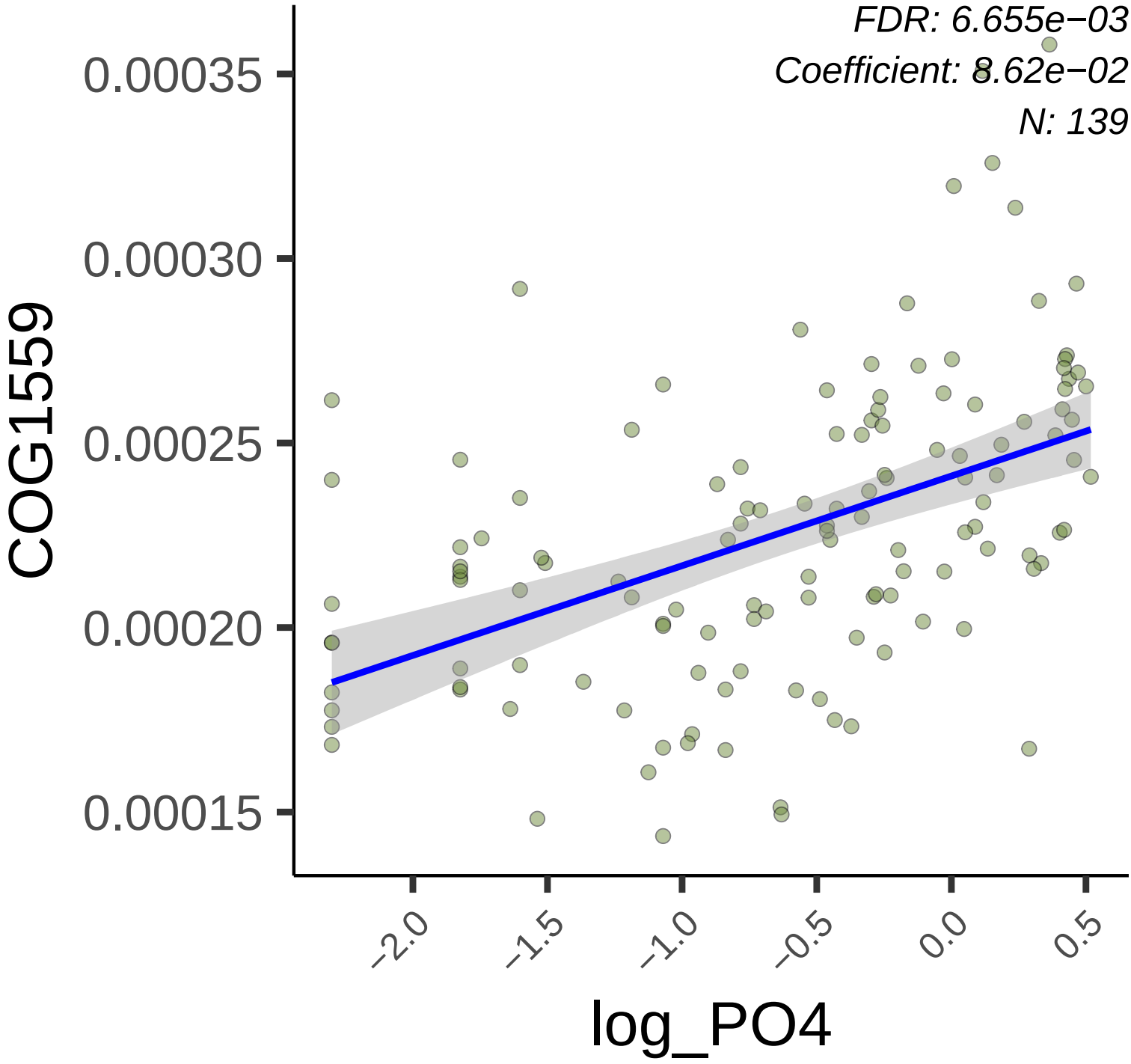
log_PO4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Coefficient: 8.62e−02
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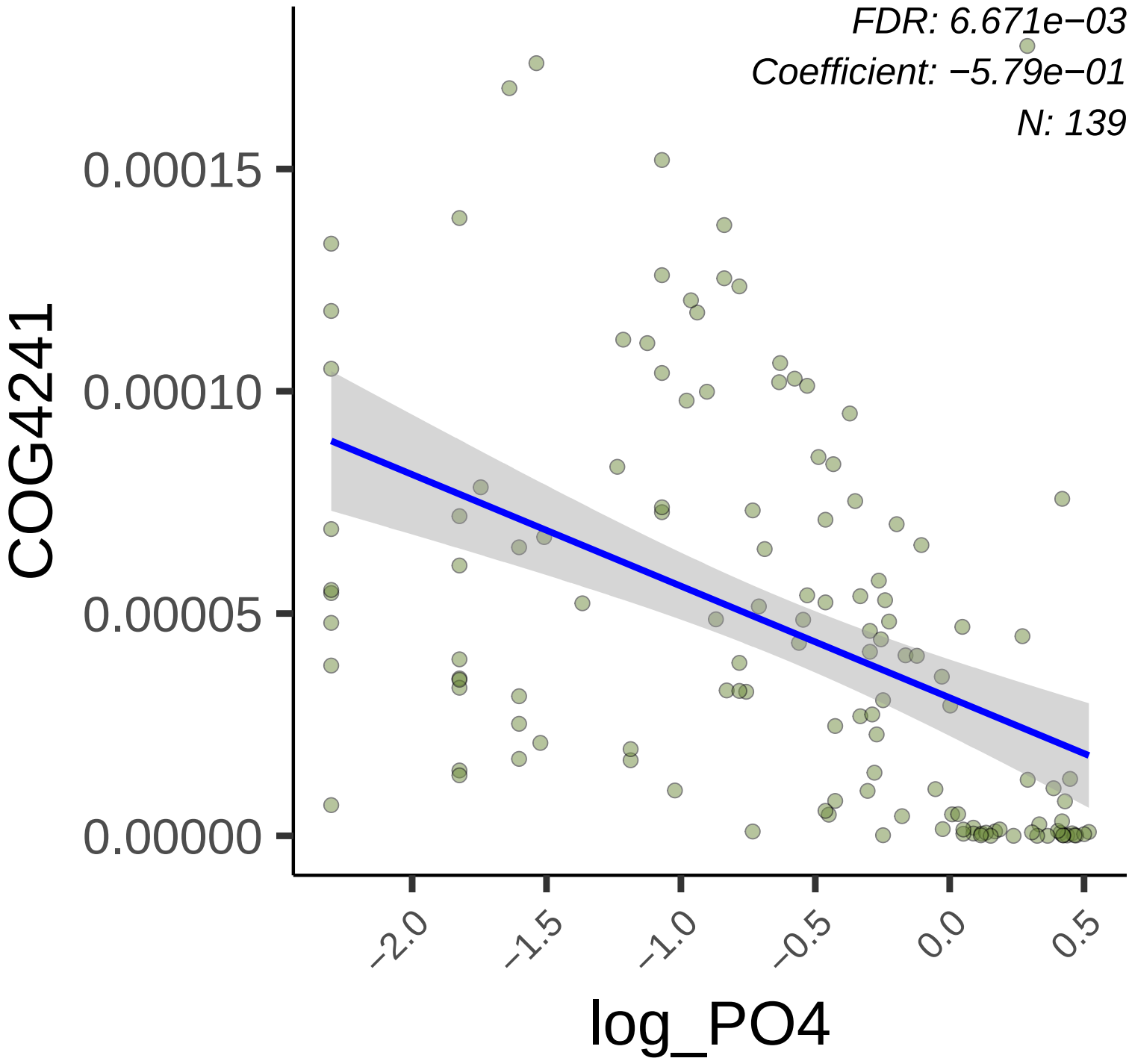
log_PO4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Coefficient: −5.79e−01
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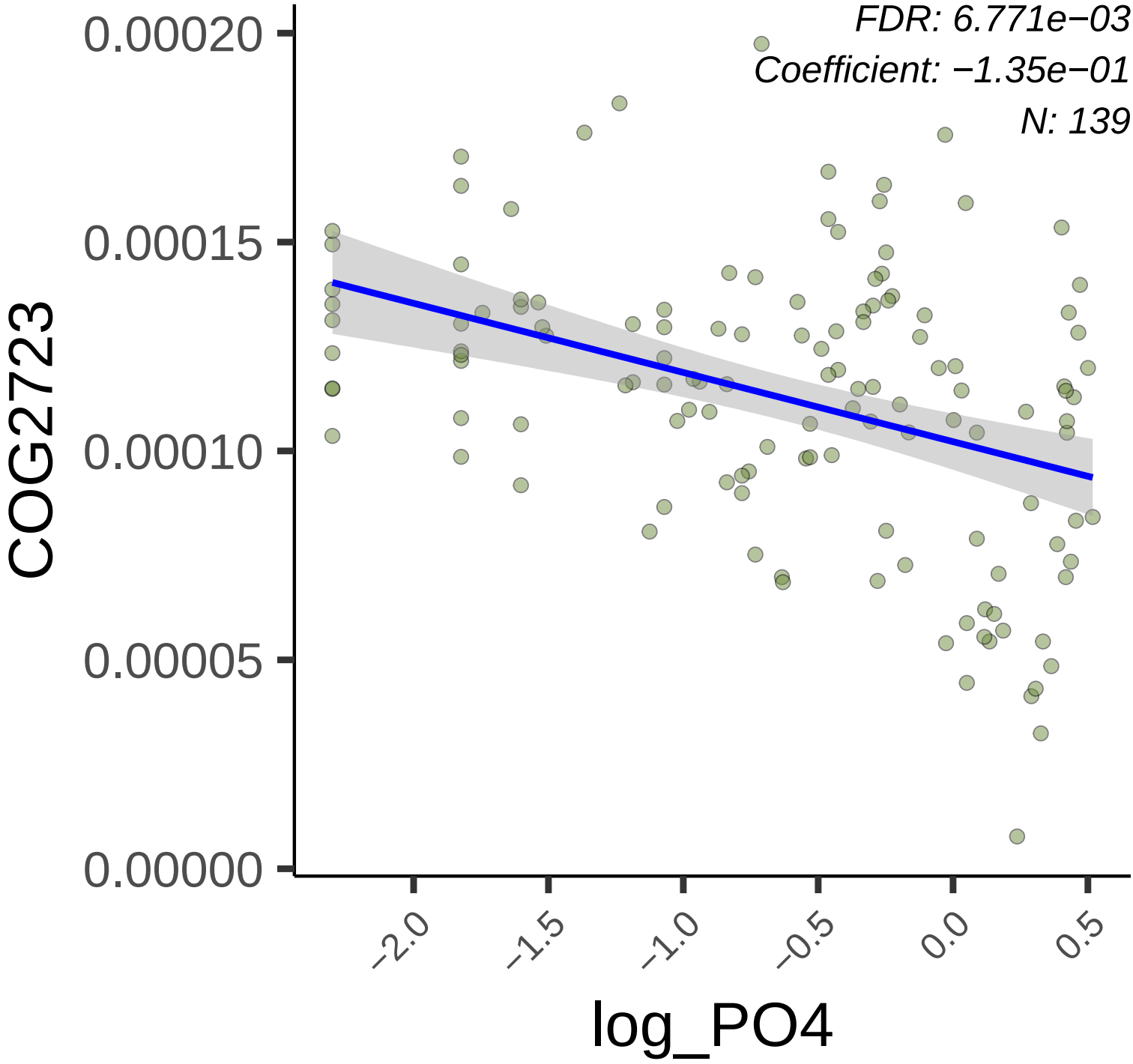
log_PO4


FDR: 6.771e−03
Coefficient: −1.35e−01
N: 139
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COG2723
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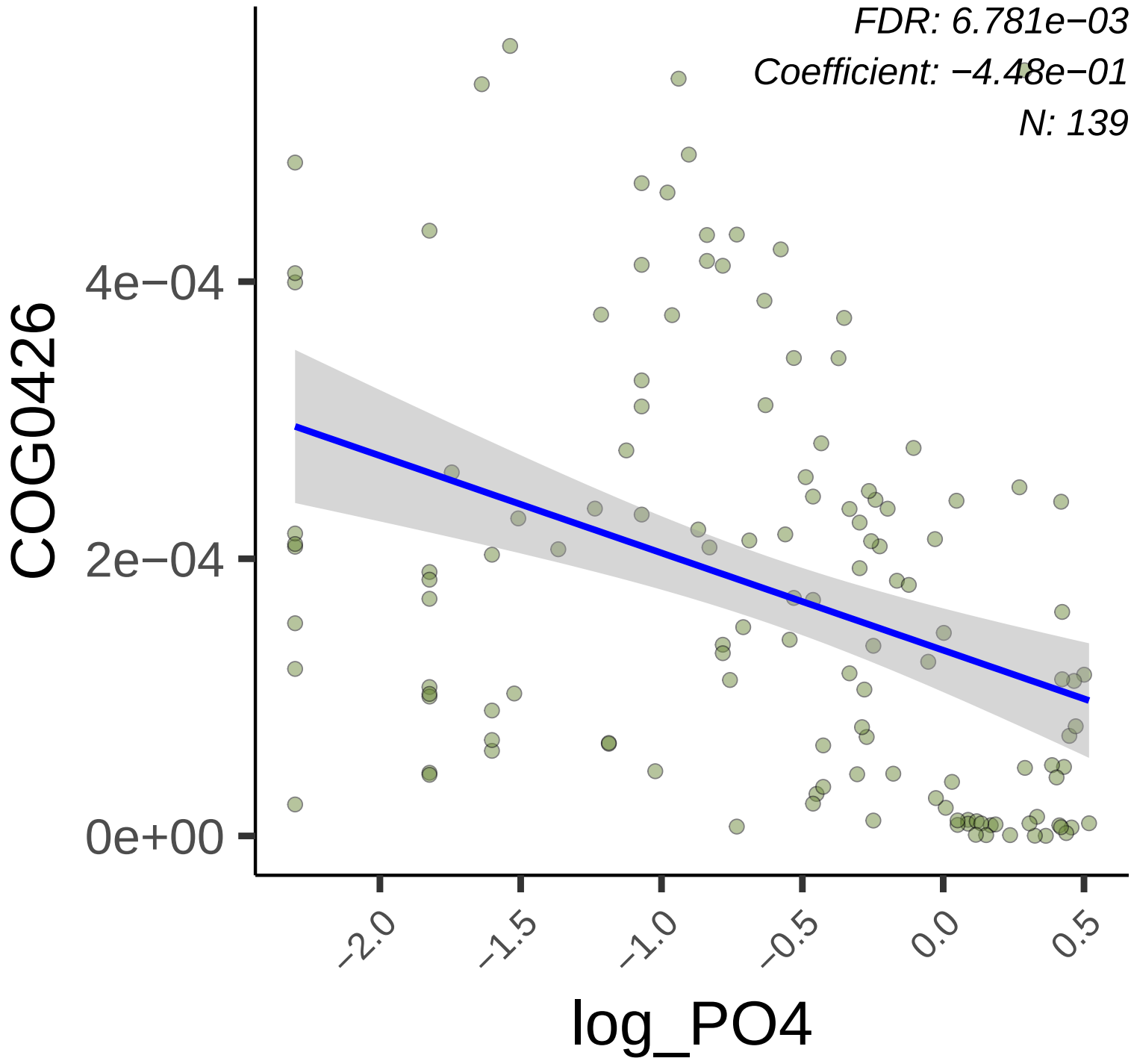
log_PO4


FDR: 6.781e−03
Coefficient: −4.48e−01
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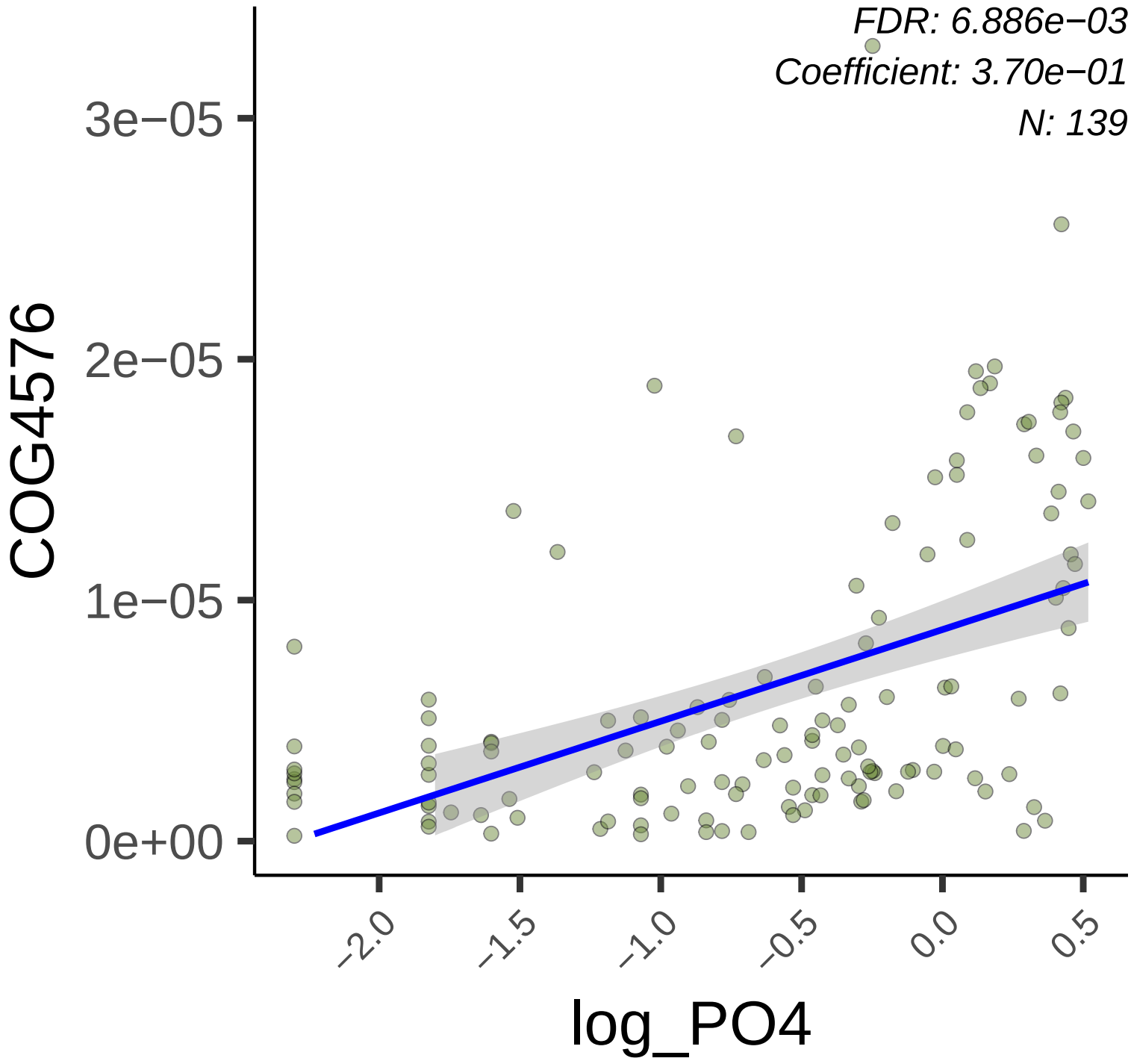
log_PO4


FDR: 6.886e−03
Coefficient: 3.70e−01
N: 139
COG4576
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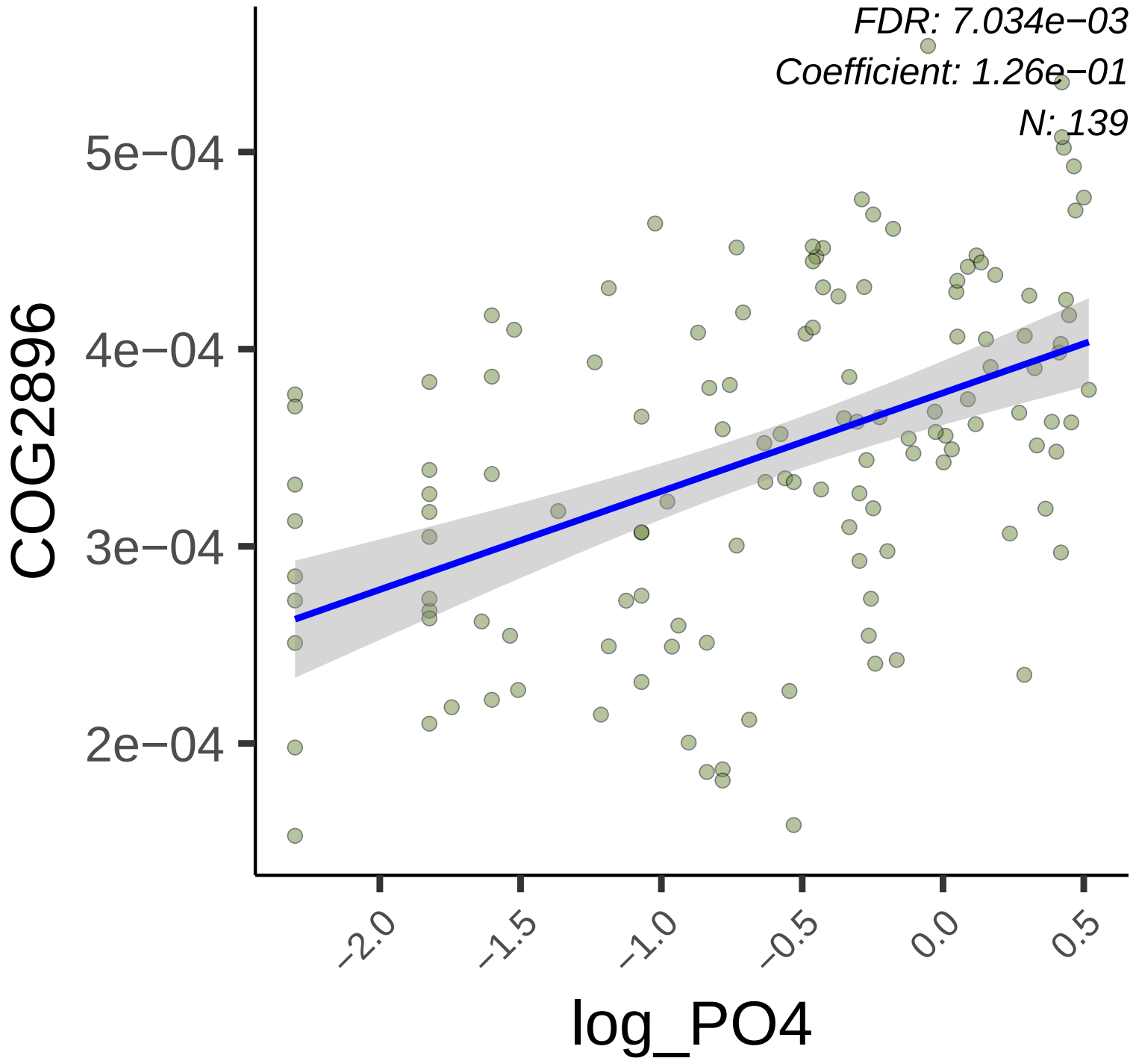
log_PO4


FDR: 7.034e−03
Coefficient: 1.26e−01
N: 139
COG2896
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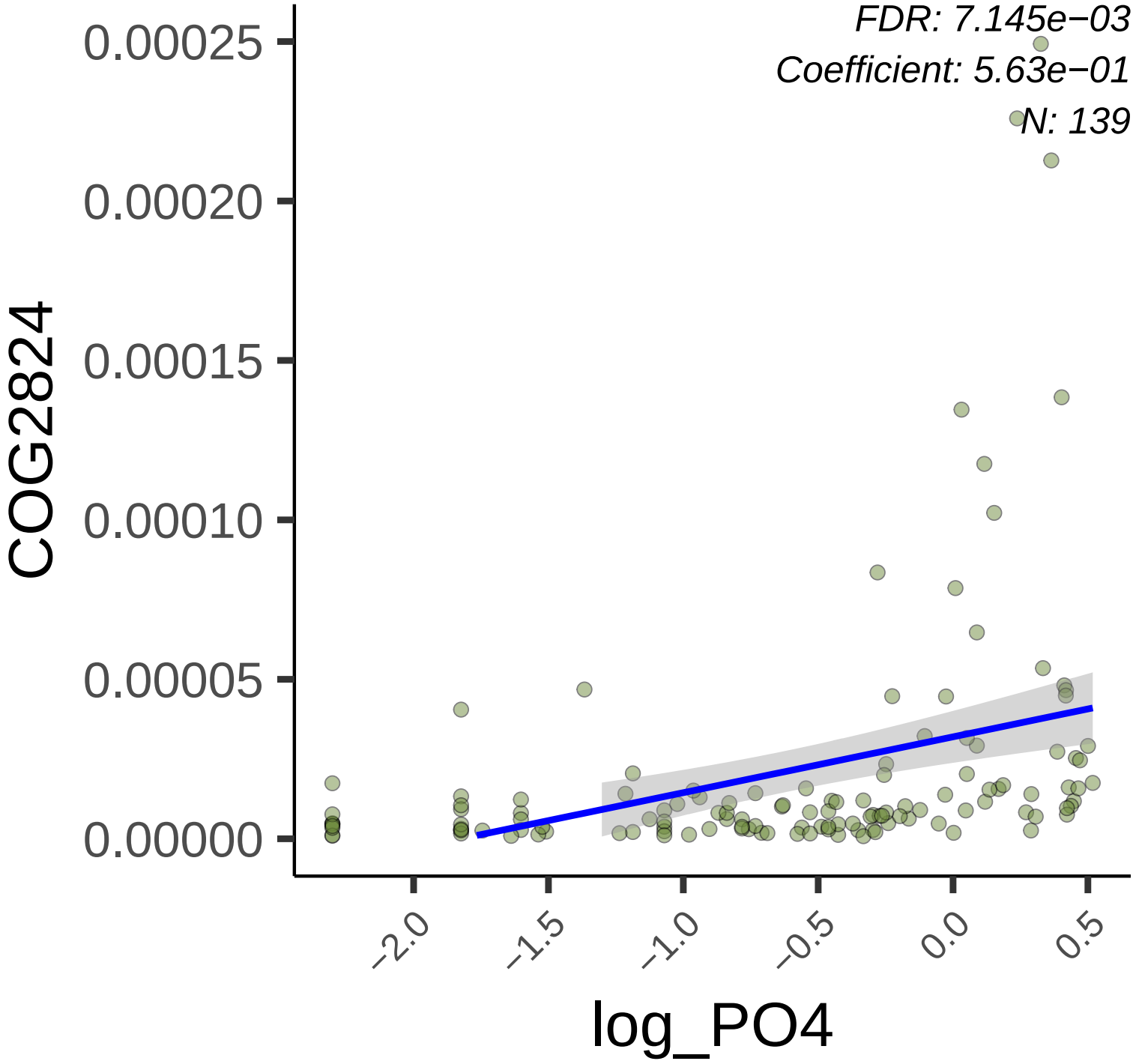
log_PO4


FDR: 7.145e−03
Coefficient: 5.63e−01
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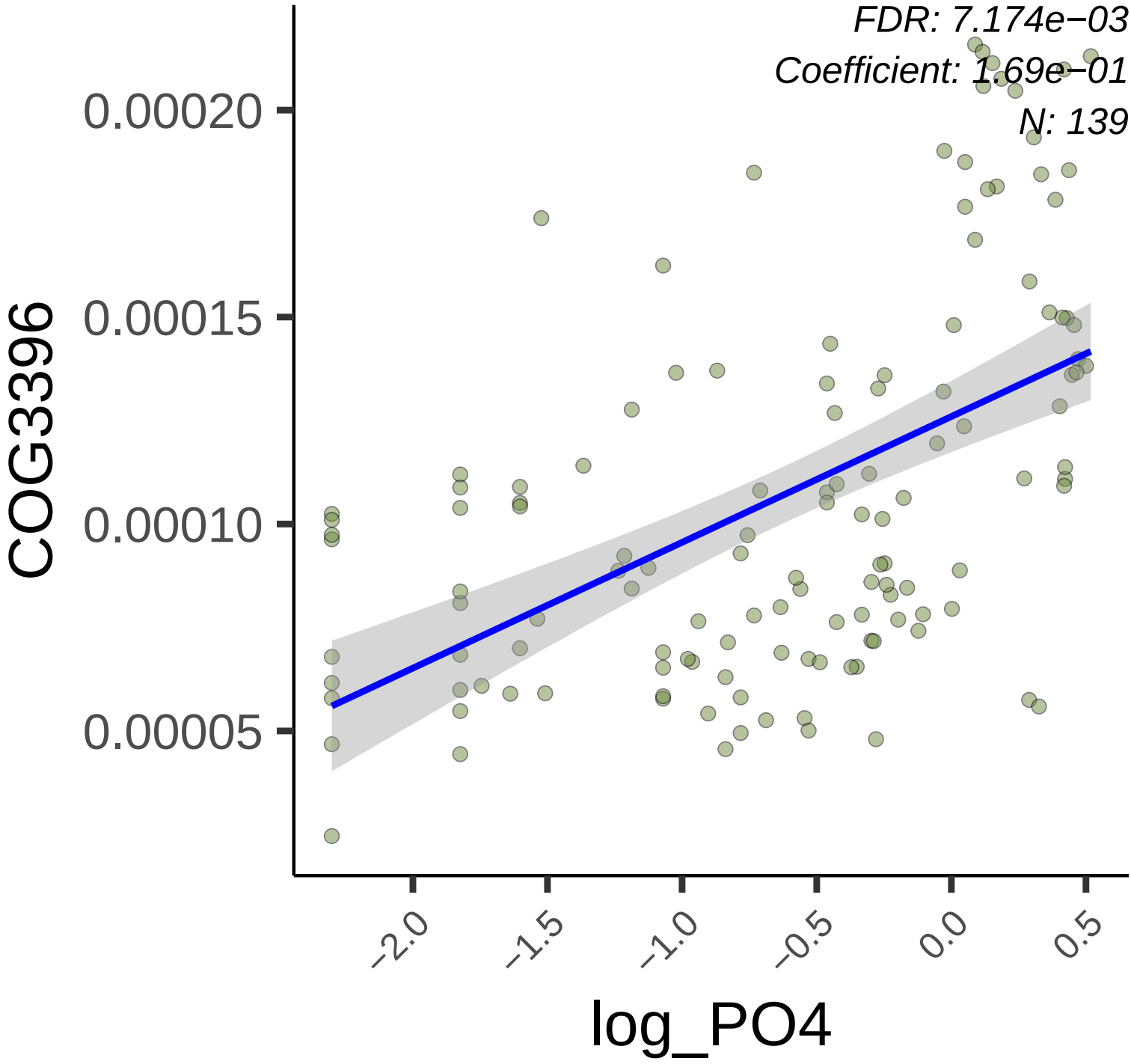
log_PO4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Coefficient: 1.69e−01
N: 139
COG3396
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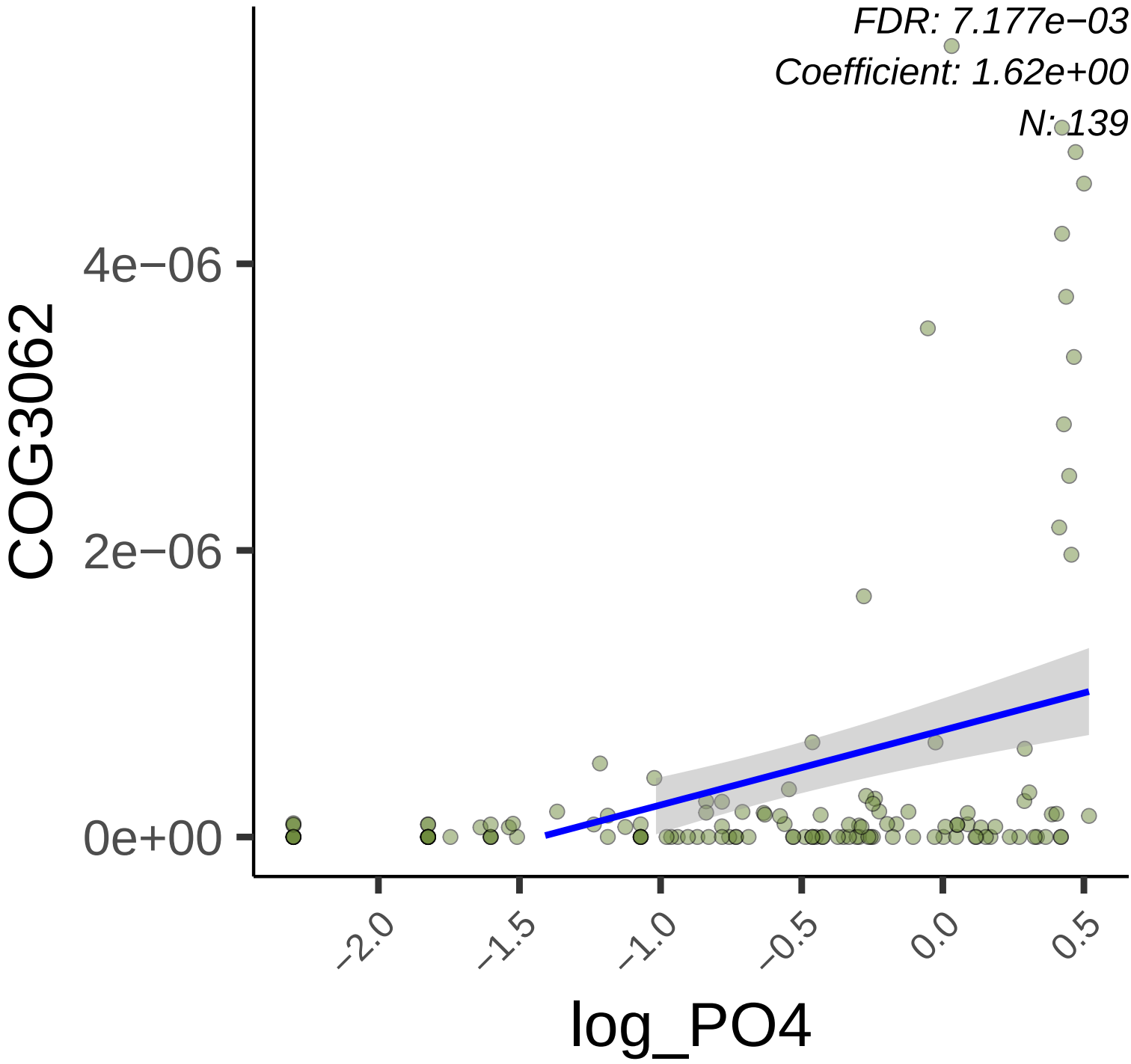
log_PO4


FDR: 7.177e−03
Coefficient: 1.62e+00
N: 139
COG3062
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0e+00
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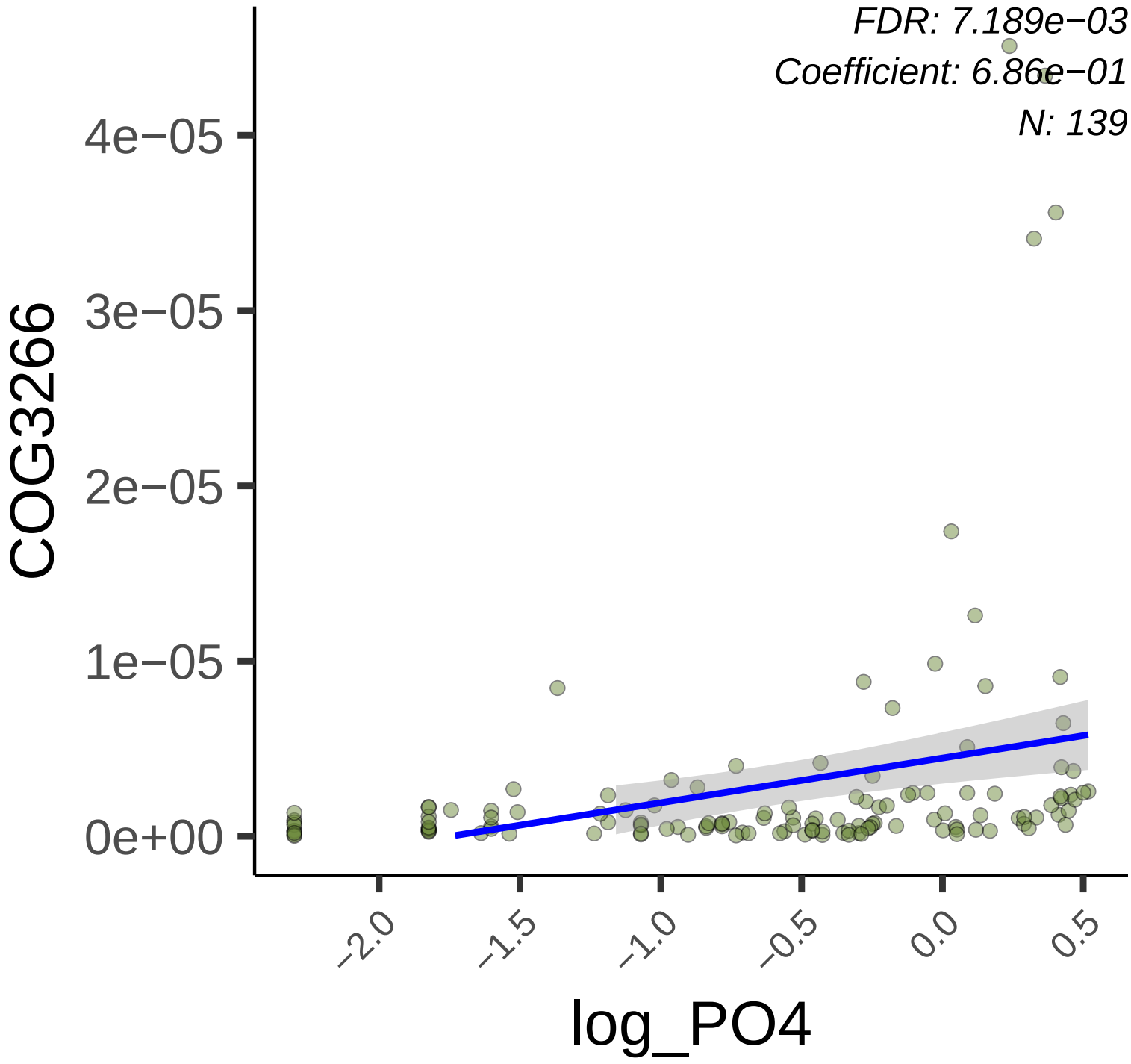
log_PO4


FDR: 7.189e−03
Coefficient: 6.86e−01
N: 139
COG3266
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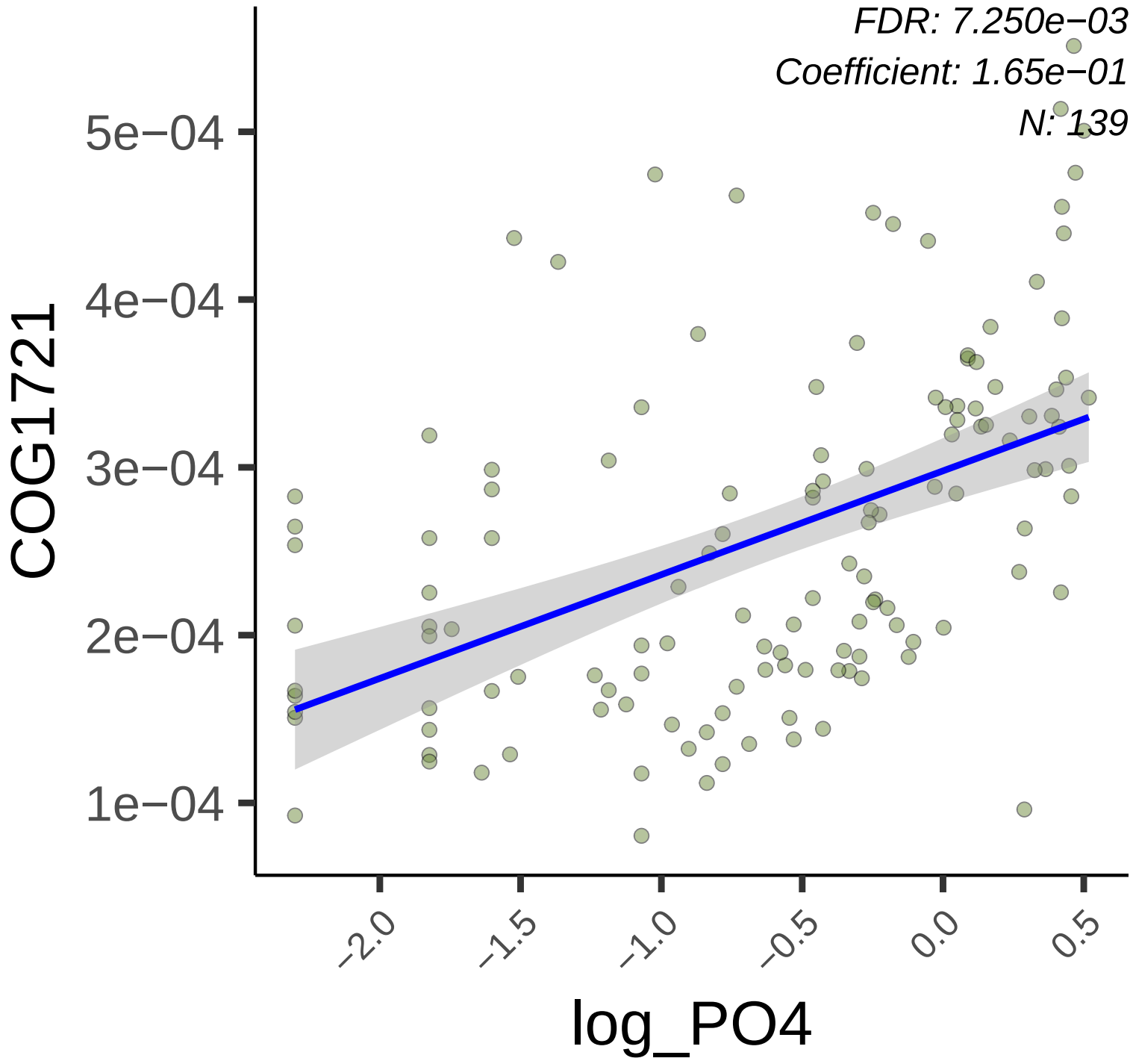
log_PO4


FDR: 7.250e−03
Coefficient: 1.65e−01
N: 139
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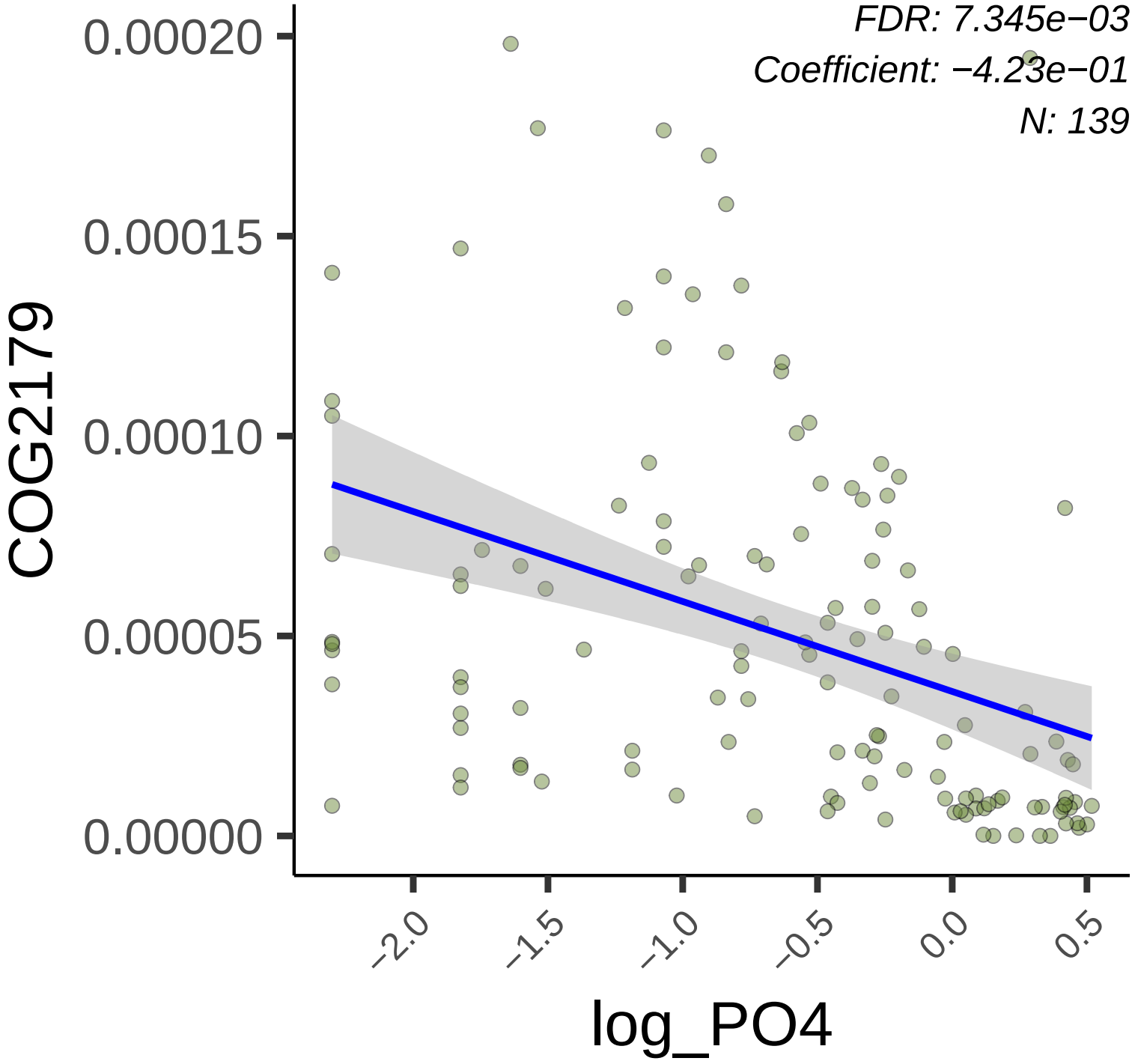
log_PO4


FDR: 7.345e−03
Coefficient: −4.23e−01
N: 139
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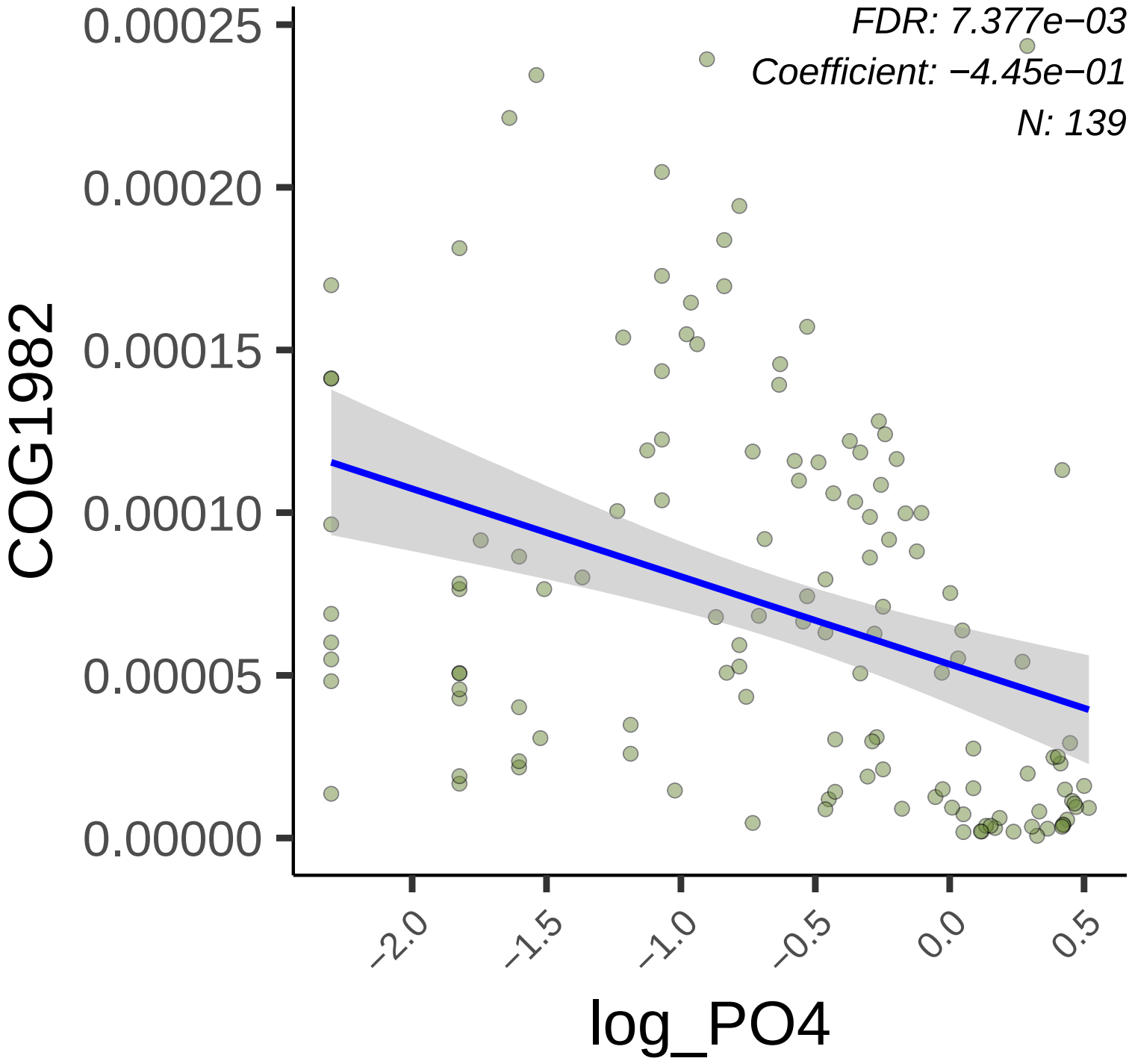
log_PO4


FDR: 7.377e−03
Coefficient: −4.45e−01
N: 139
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COG1982
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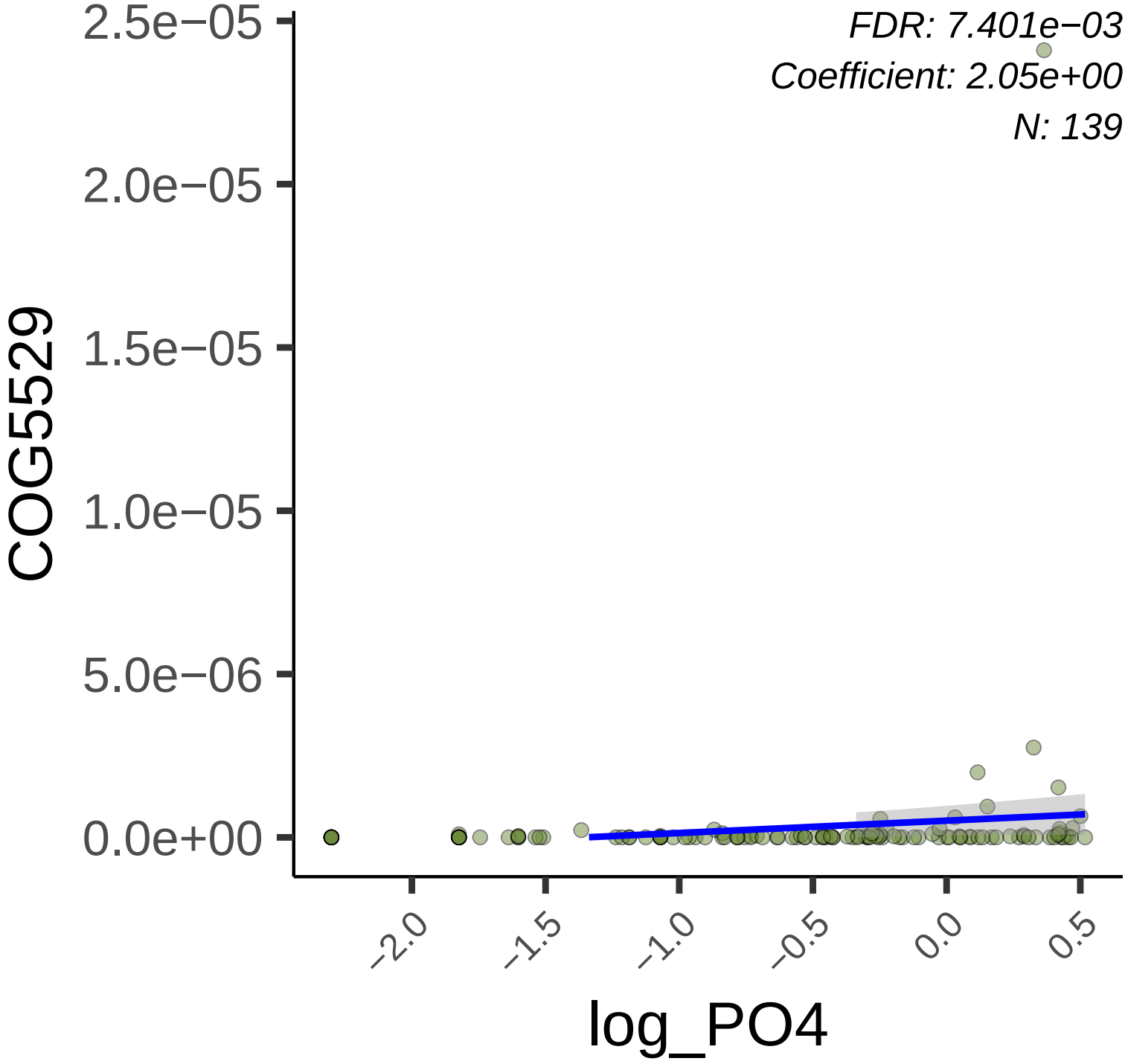
log_PO4


FDR: 7.401e−03
Coefficient: 2.05e+00
N: 139
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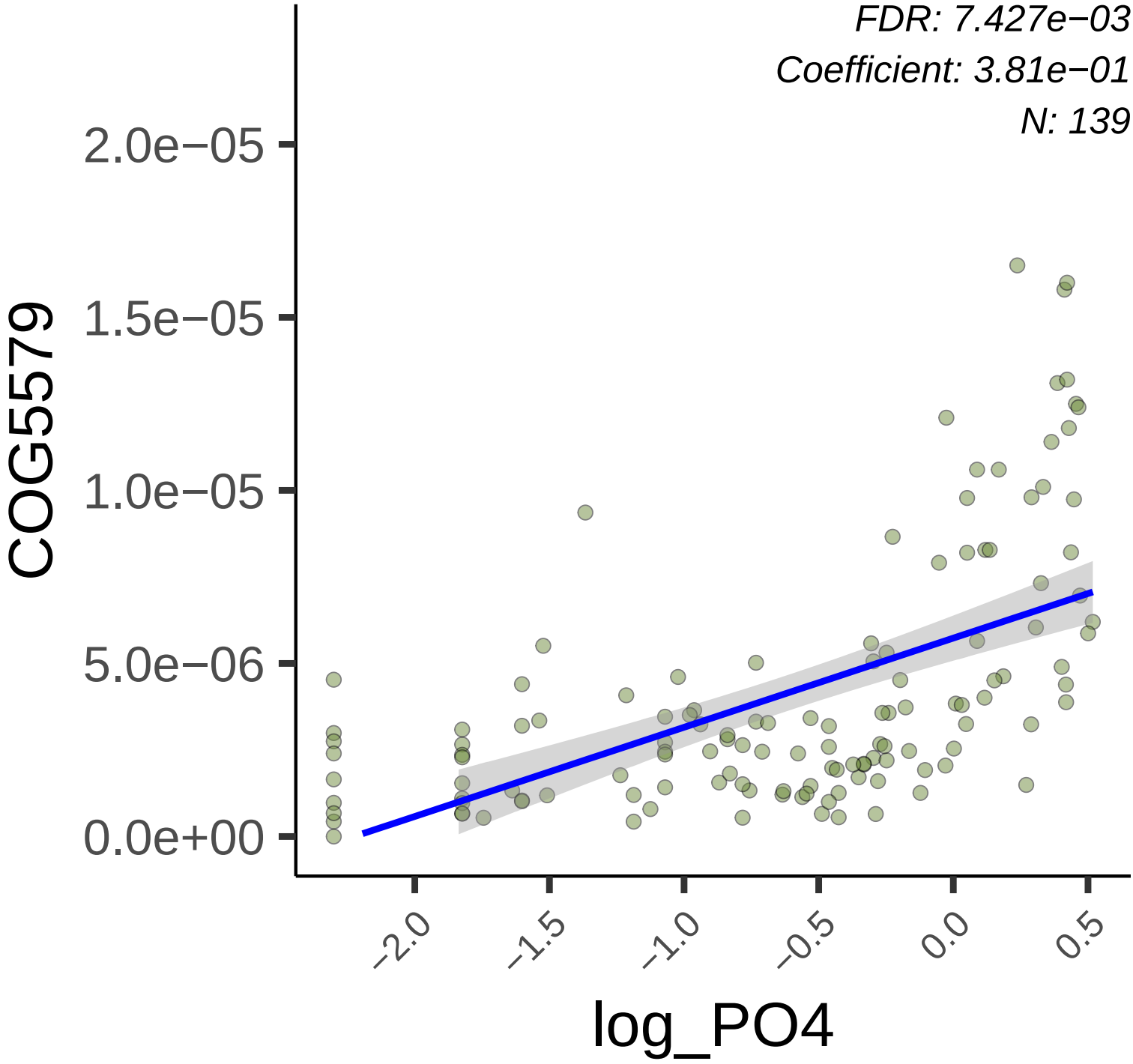
log_PO4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Coefficient: 3.81e−01
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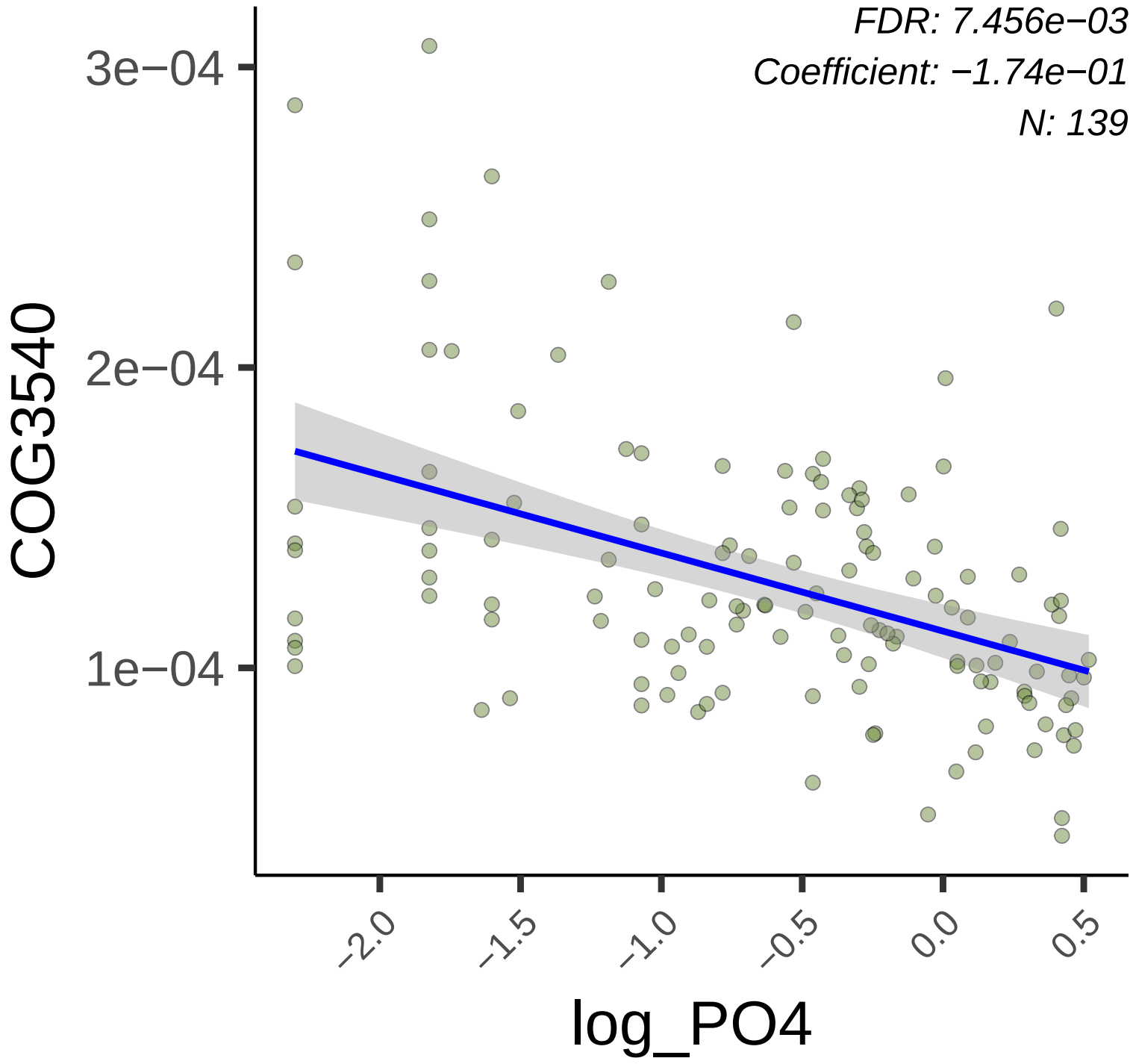
log_PO4


FDR: 7.456e−03
Coefficient: −1.74e−01
N: 139
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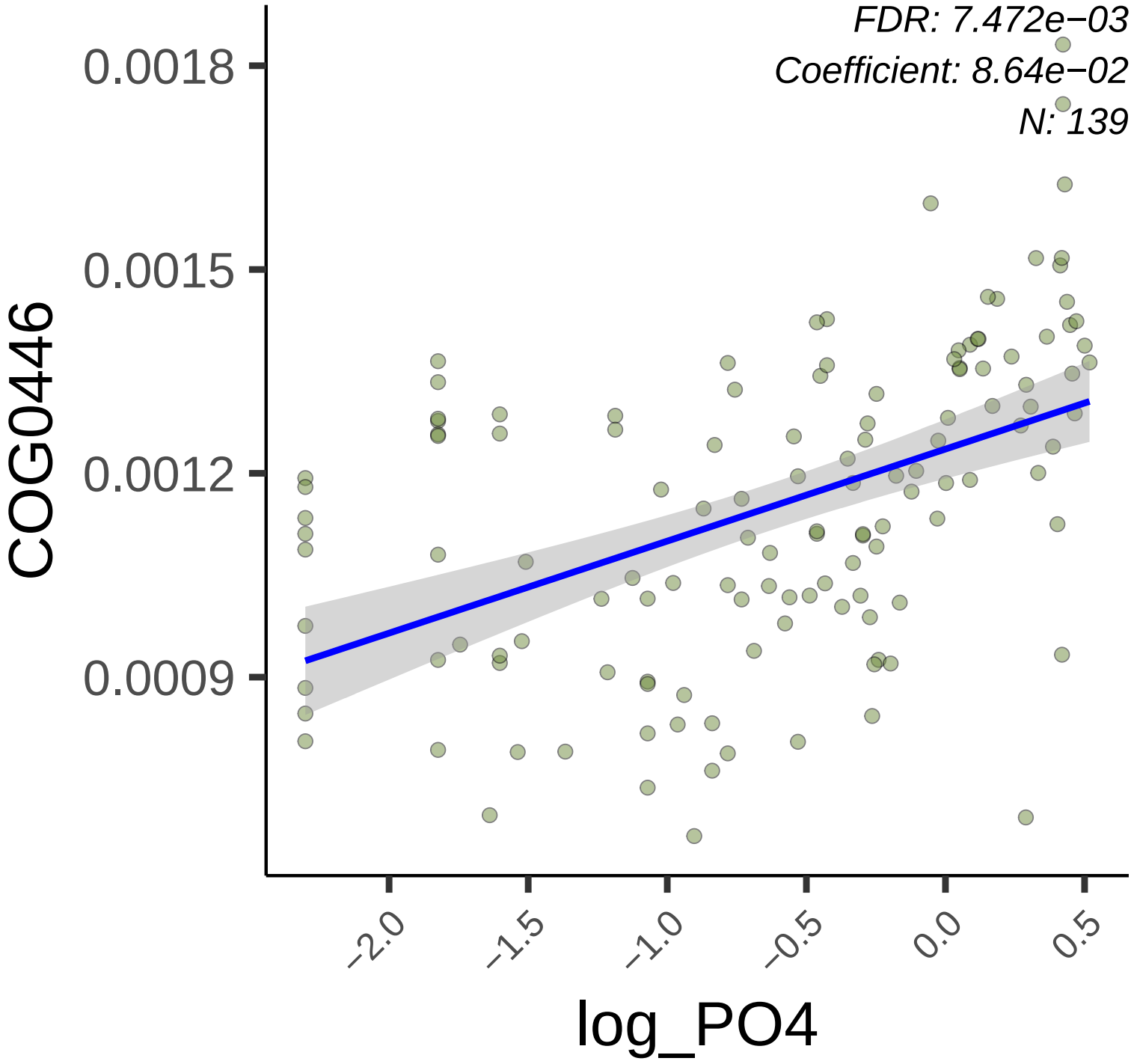
log_PO4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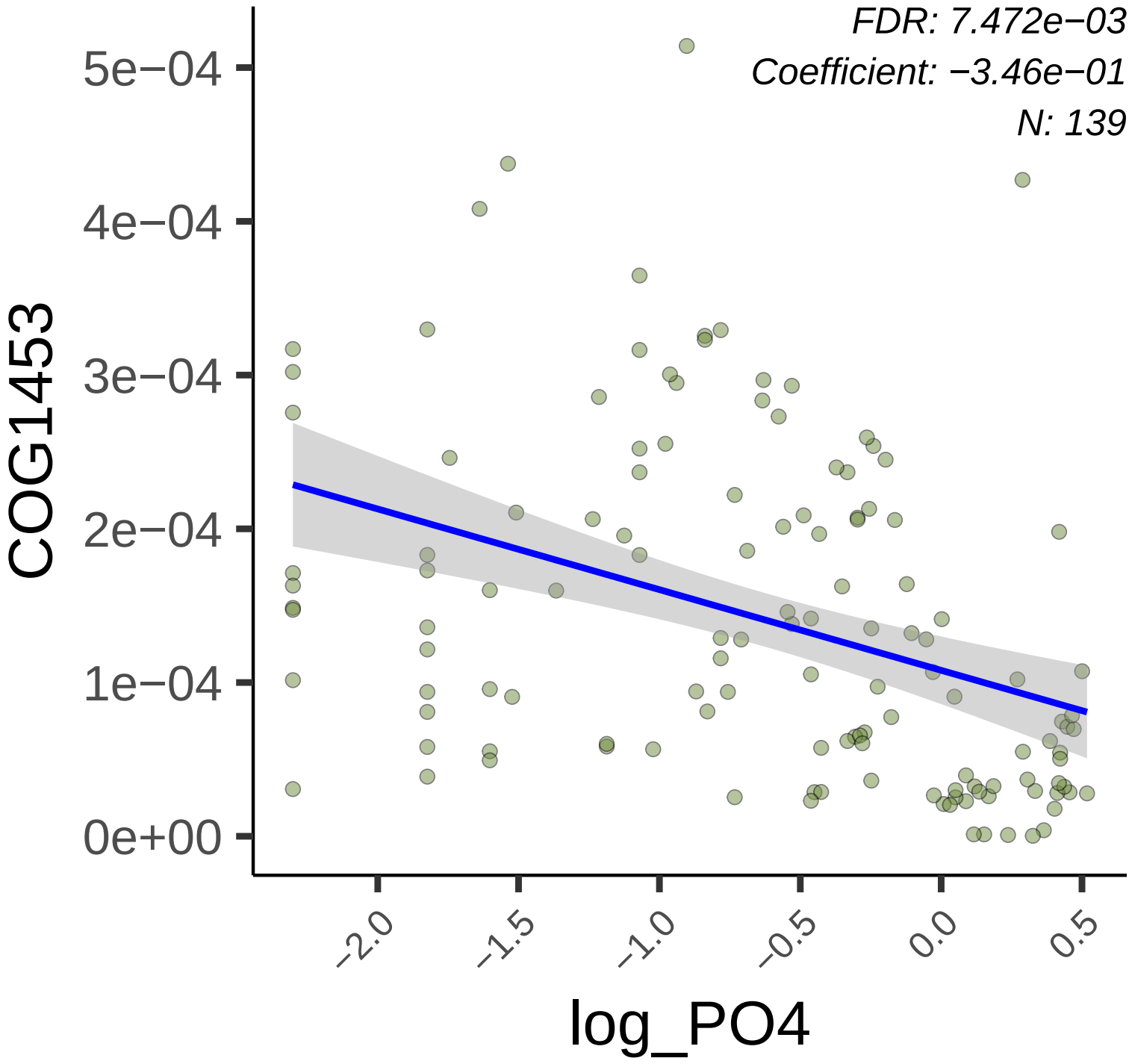
log_PO4


FDR: 7.472e−03
Coefficient: −3.46e−01
N: 139
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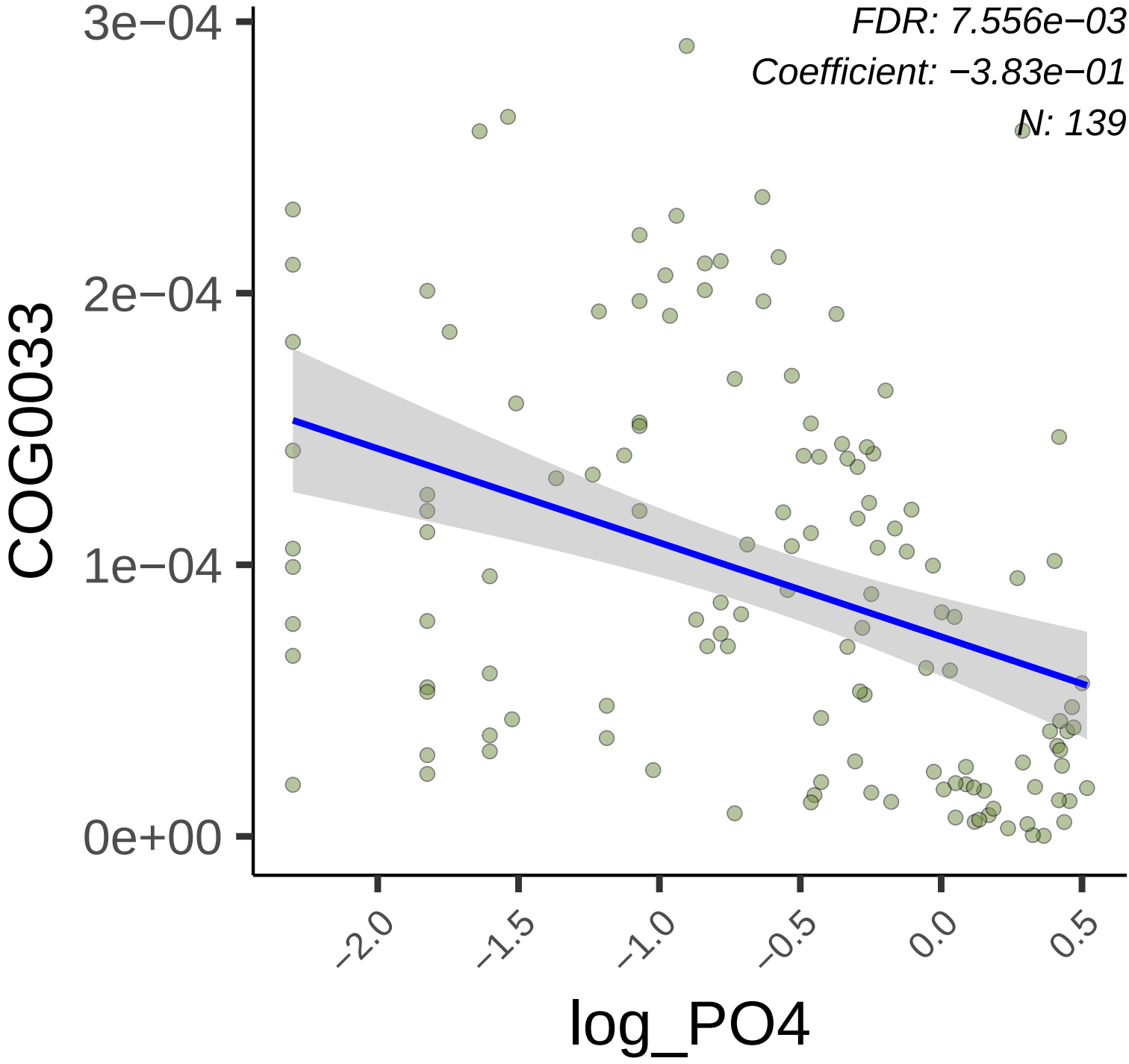
log_PO4


FDR: 7.556e−03
Coefficient: −3.83e−01
N: 139
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COG0033
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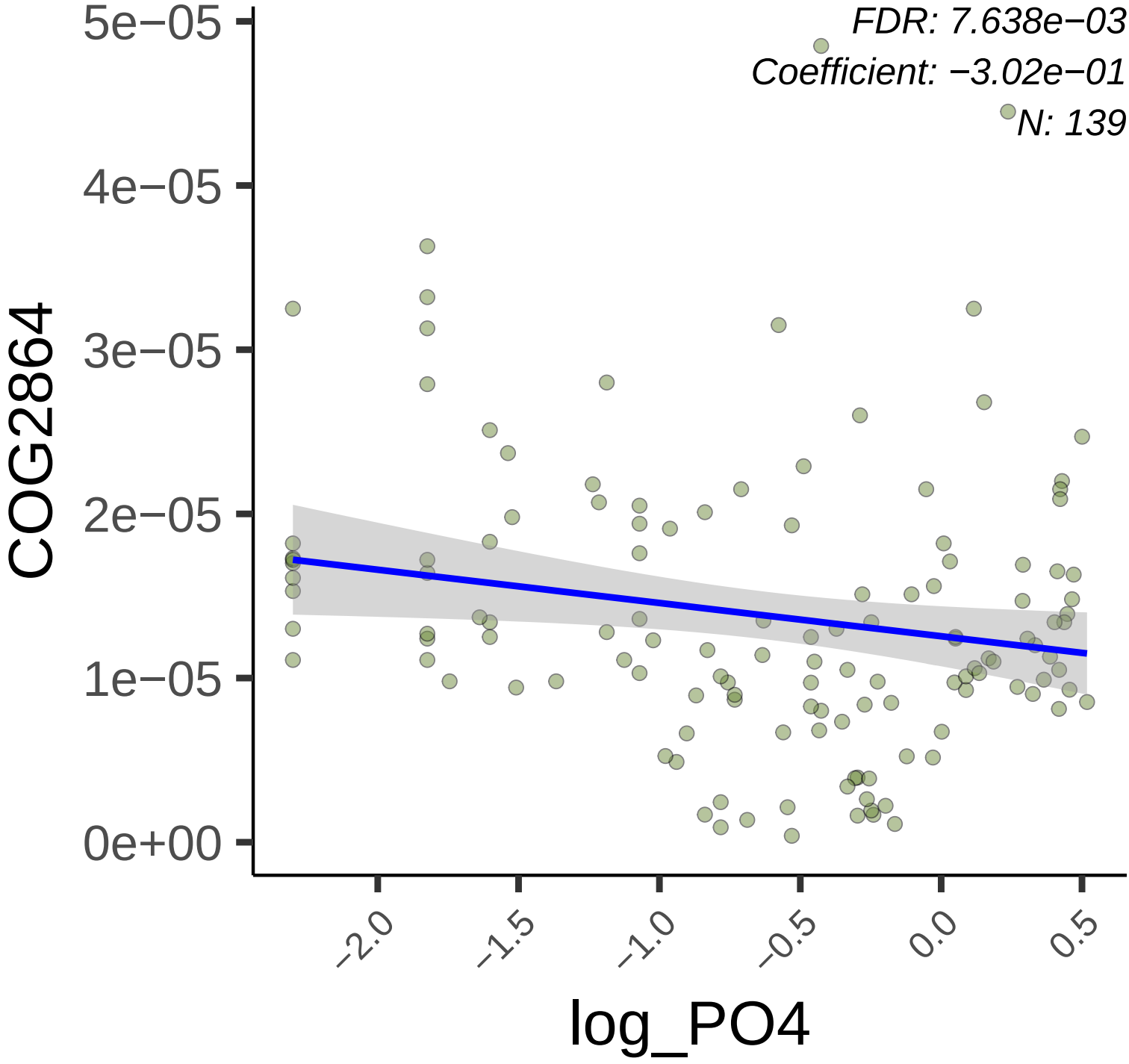
log_PO4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Coefficient: −3.02e−01
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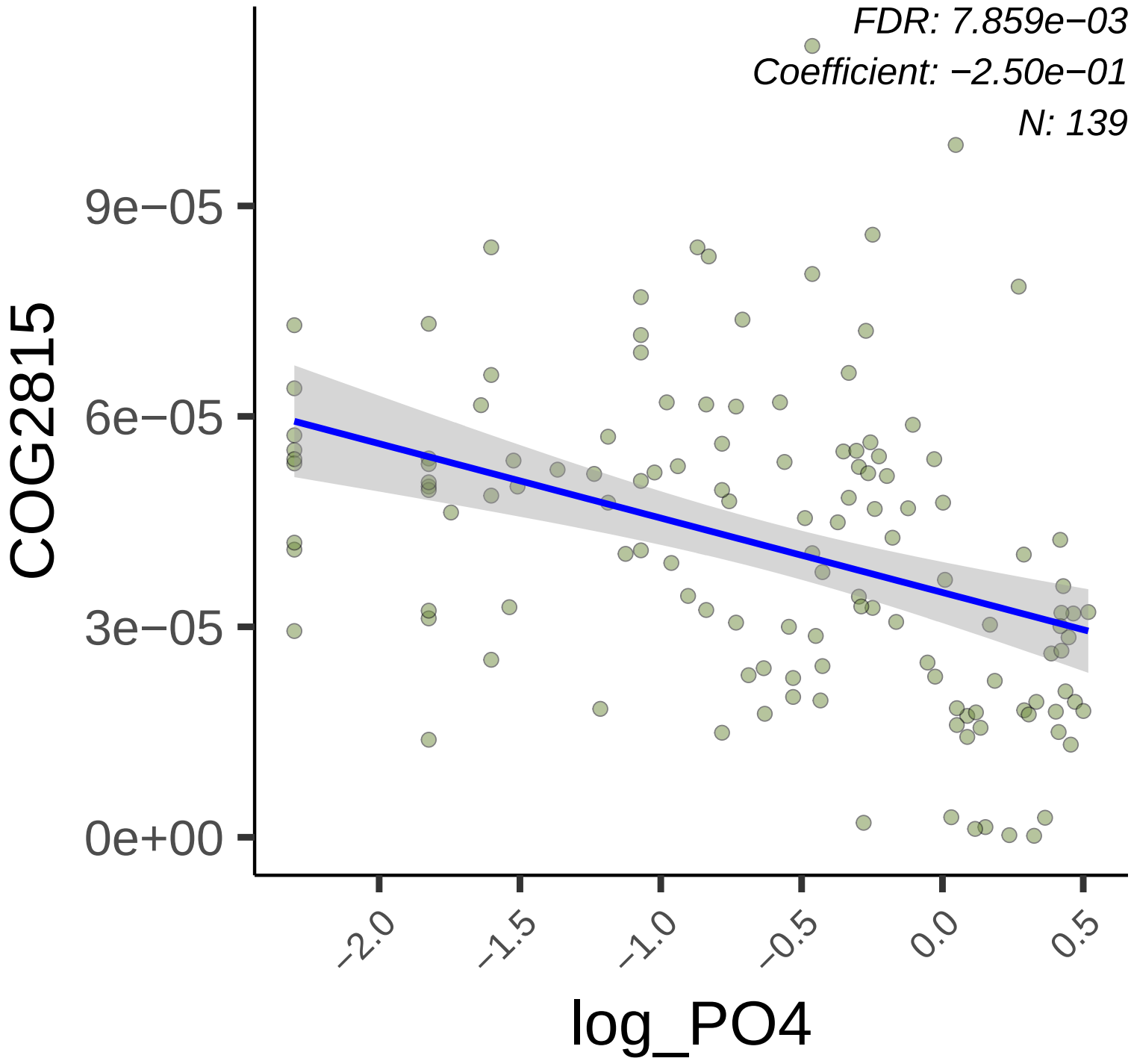
log_PO4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Coefficient: −2.50e−01
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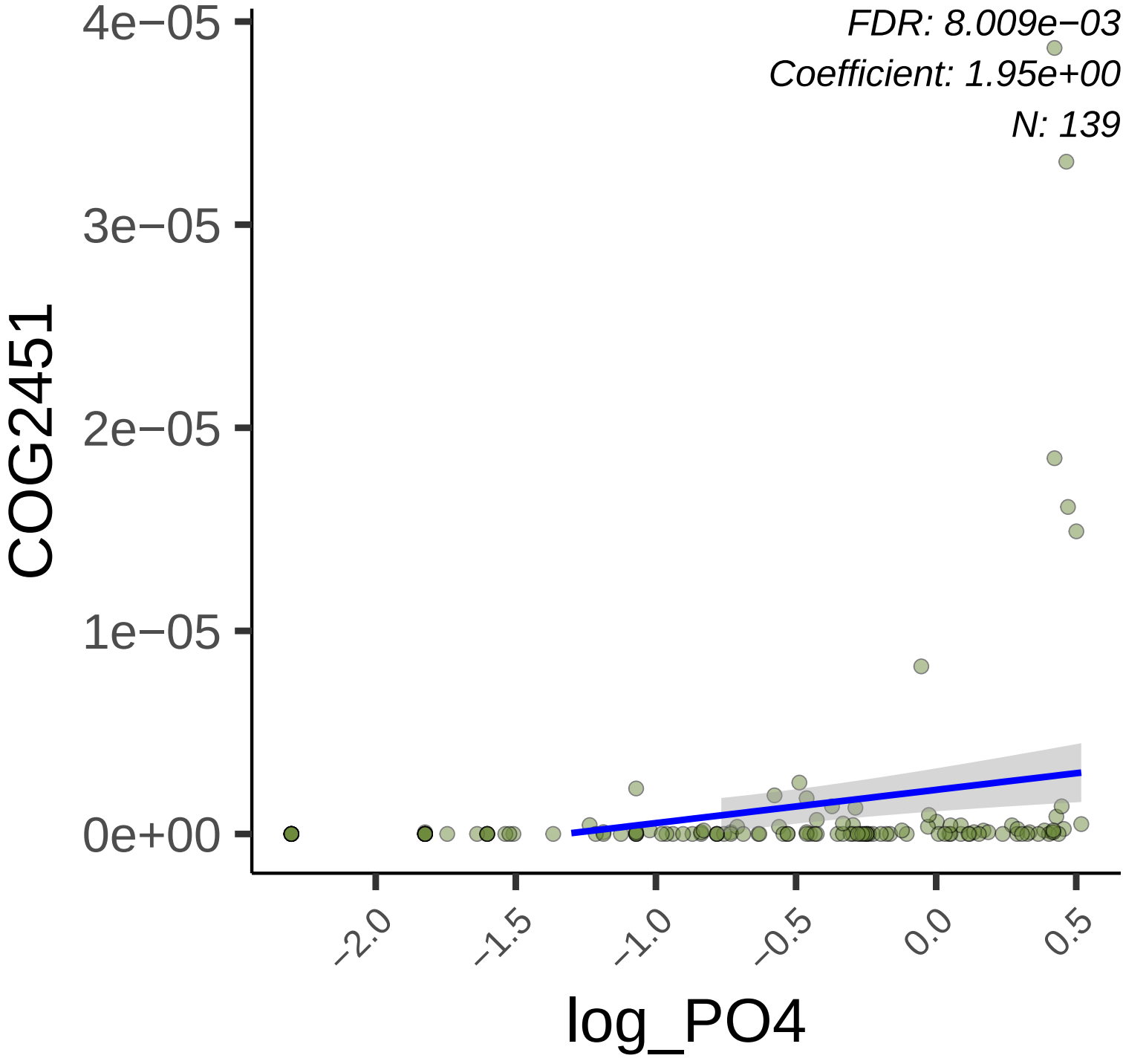
log_PO4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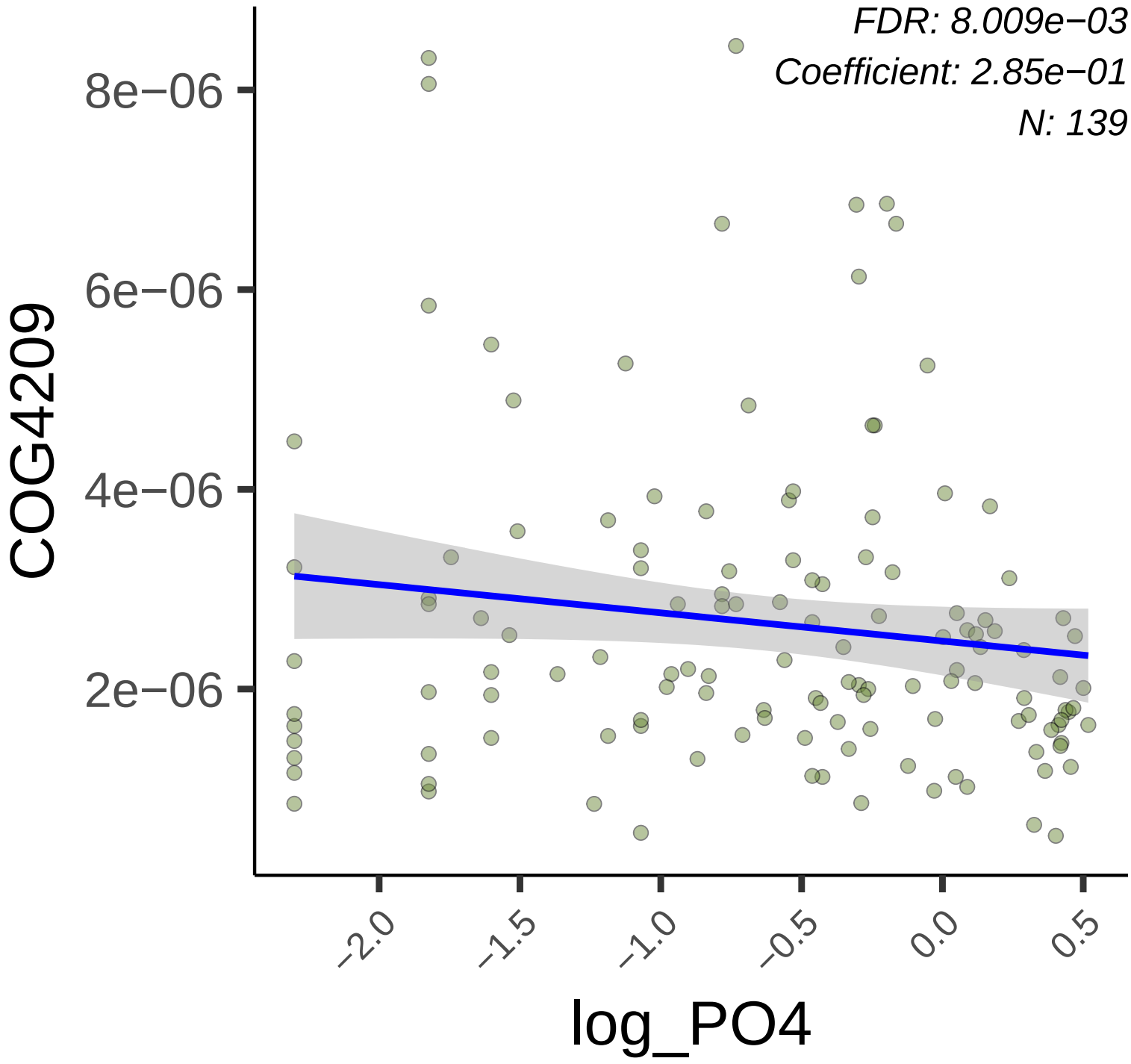
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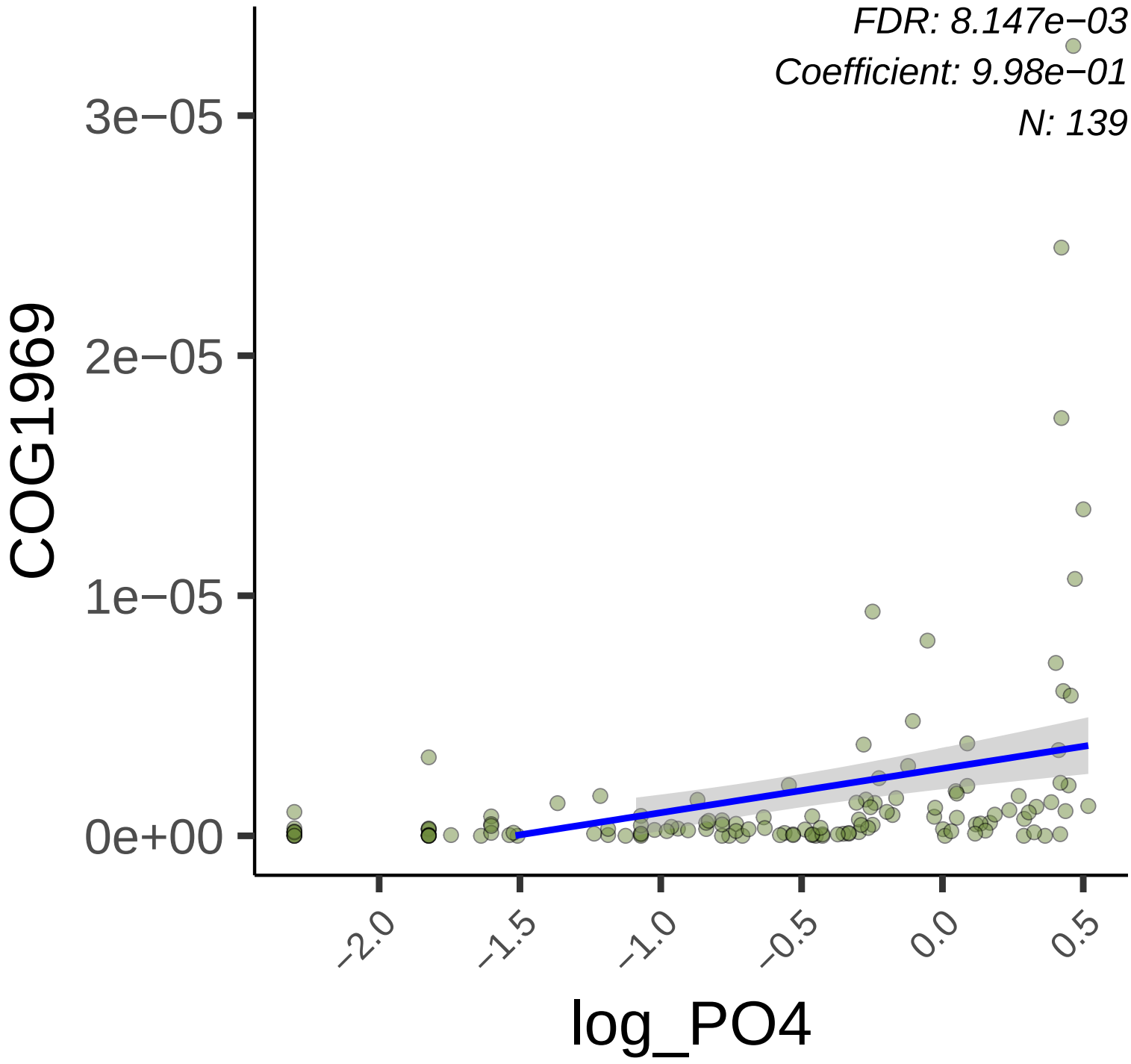
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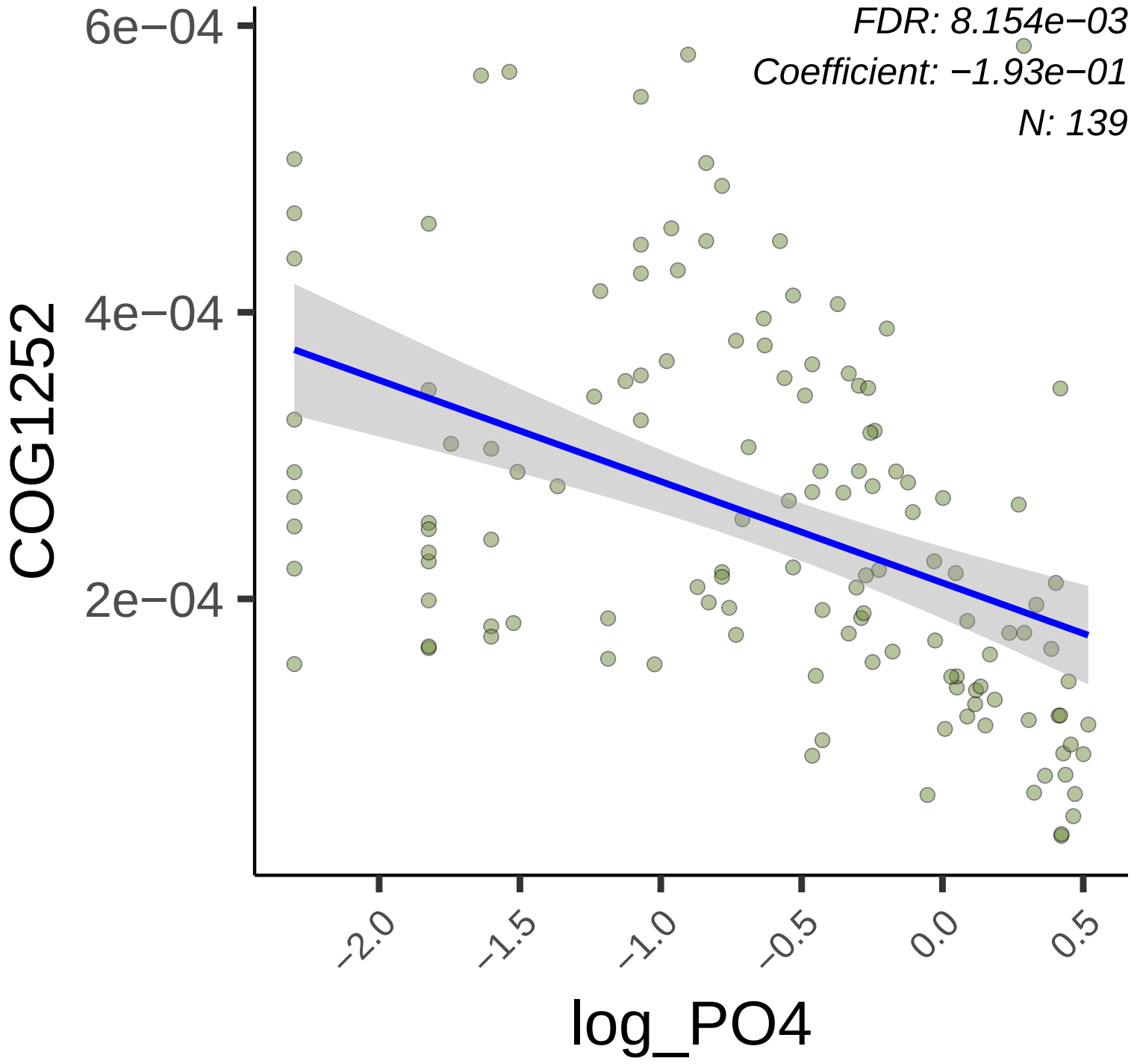
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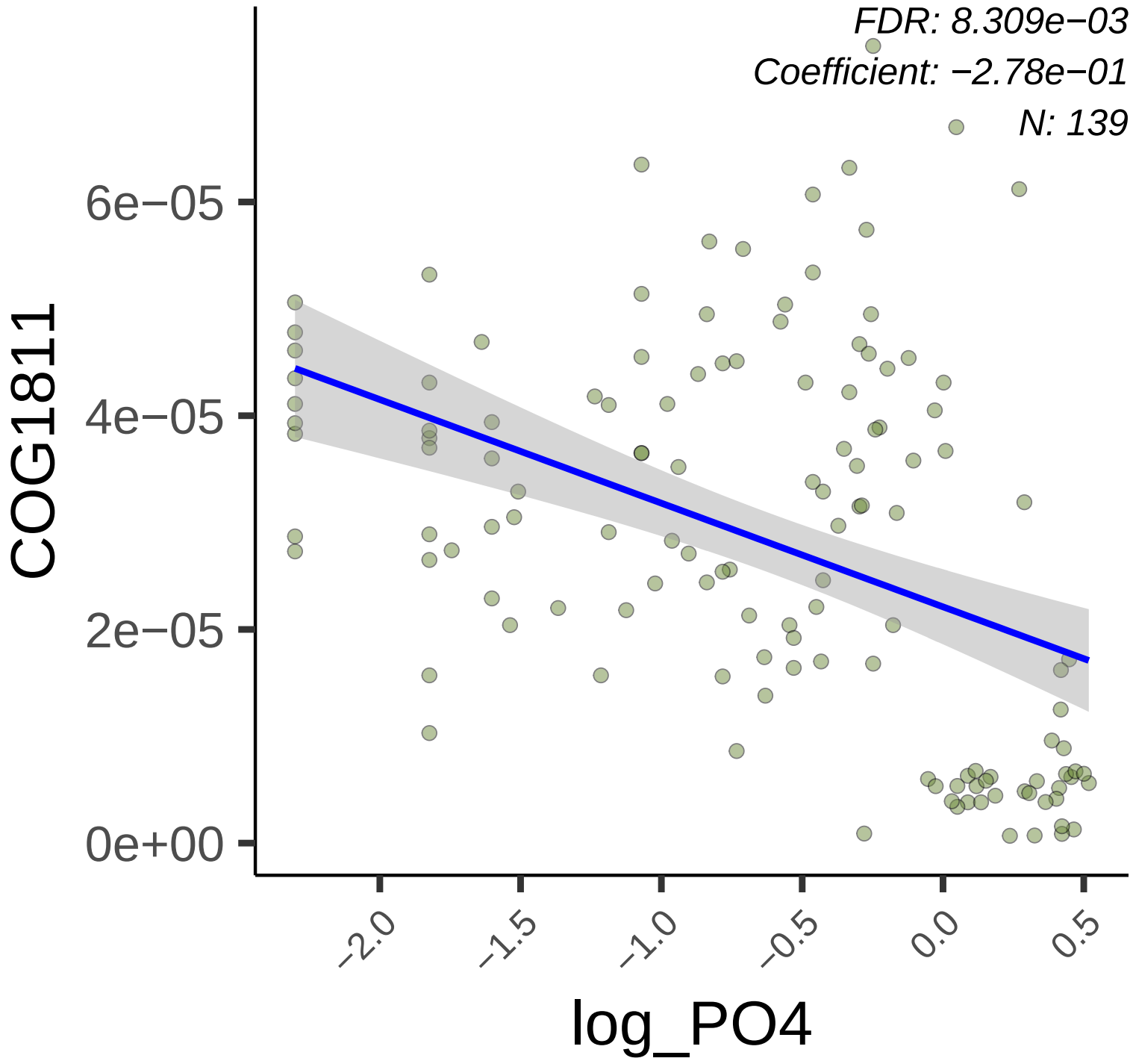
FDR: 8.309e−03
Coefficient: −2.78e−01
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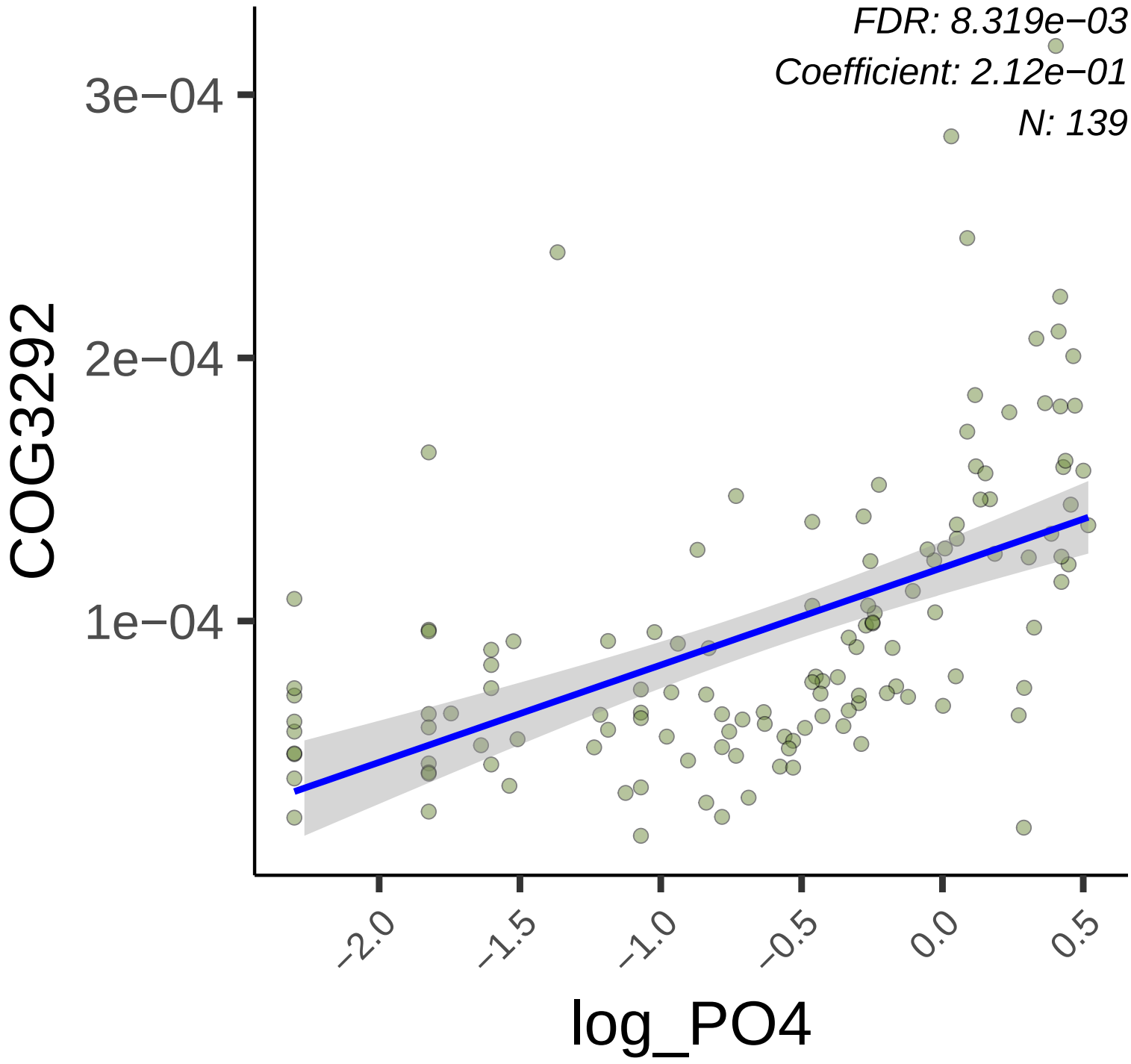
FDR: 8.319e−03
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N: 139
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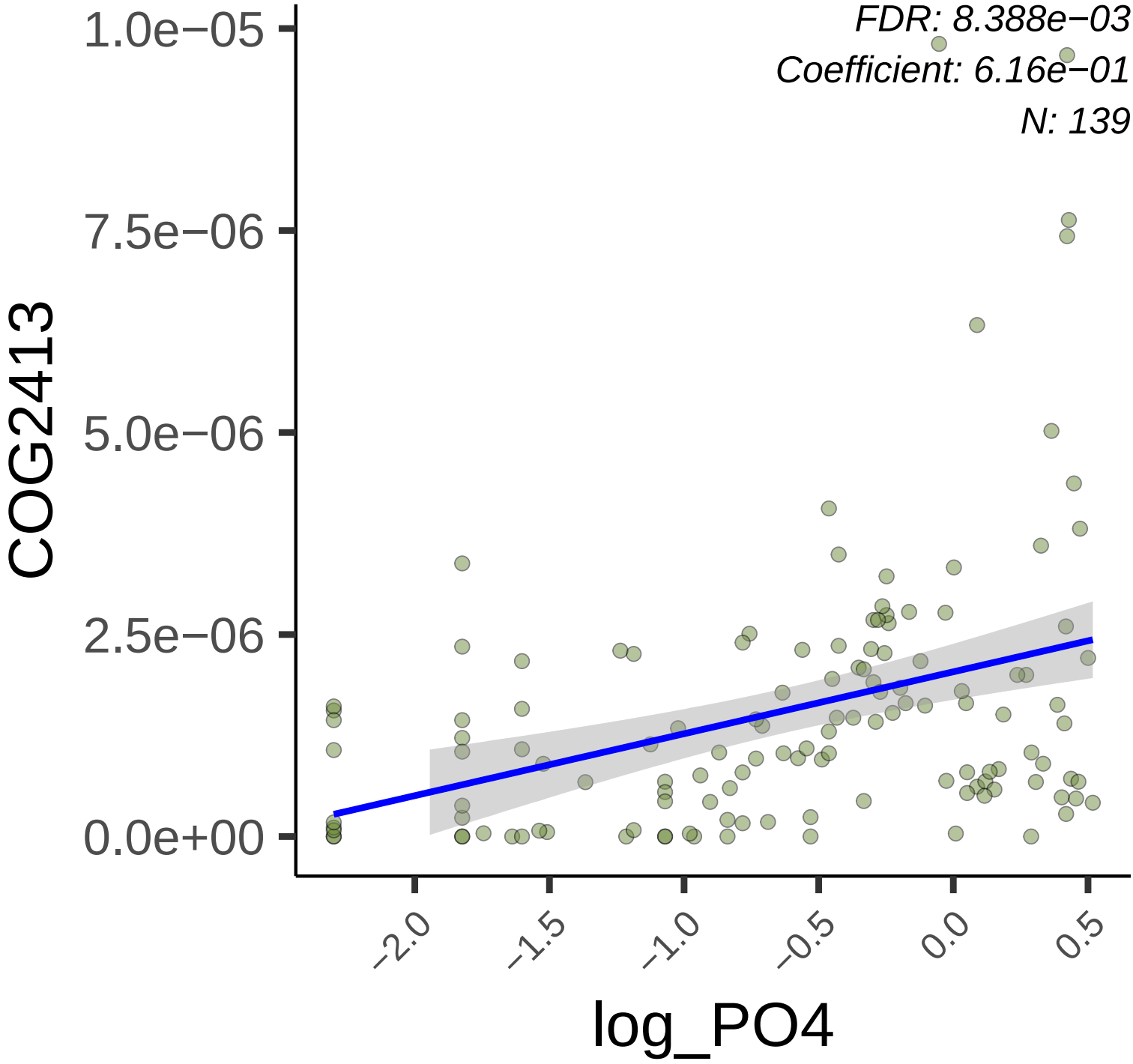
log_PO4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Coefficient: 6.16e−01
N: 139
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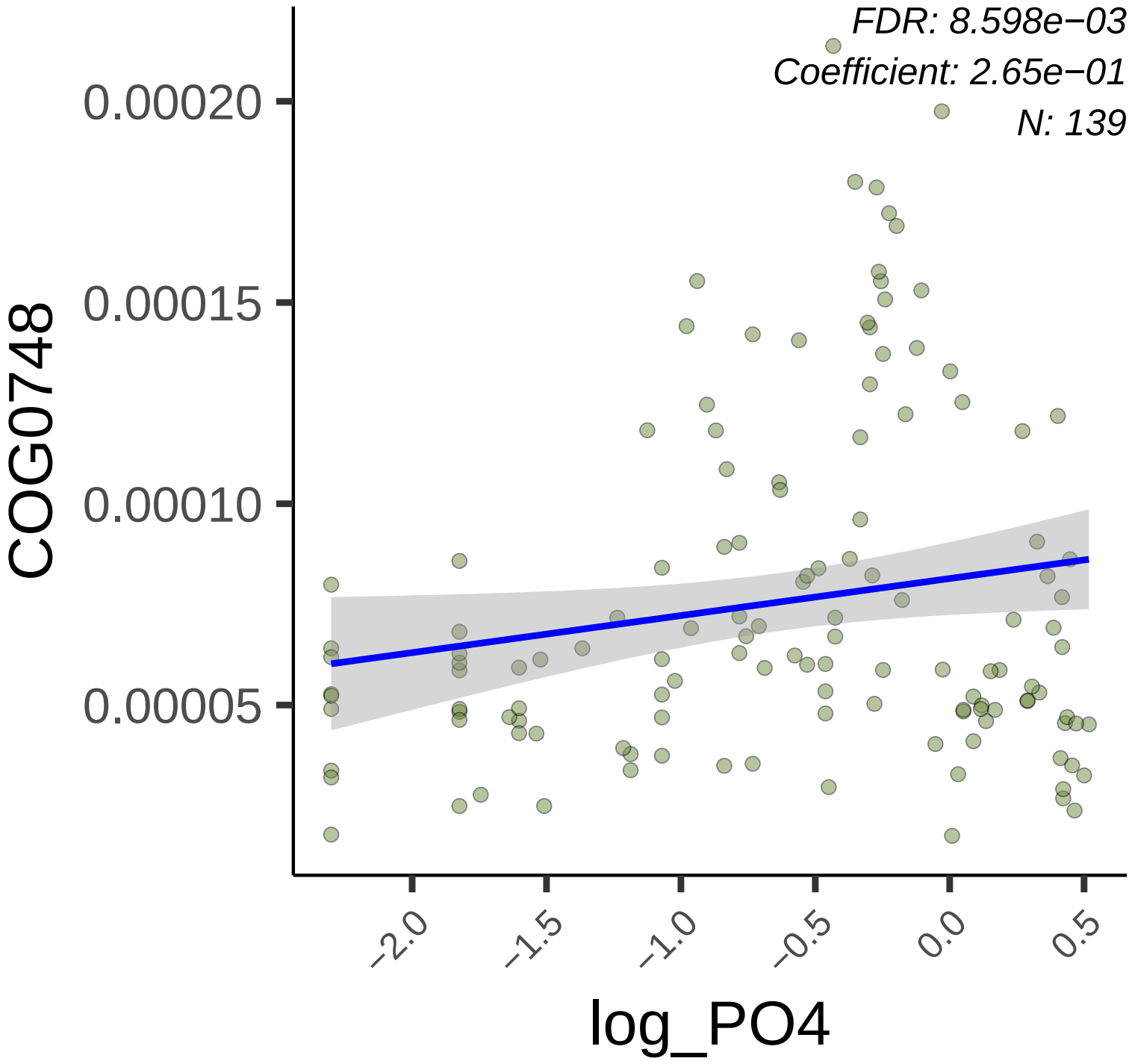
log_PO4


FDR: 8.598e−03
Coefficient: 2.65e−01
N: 139
COG0748
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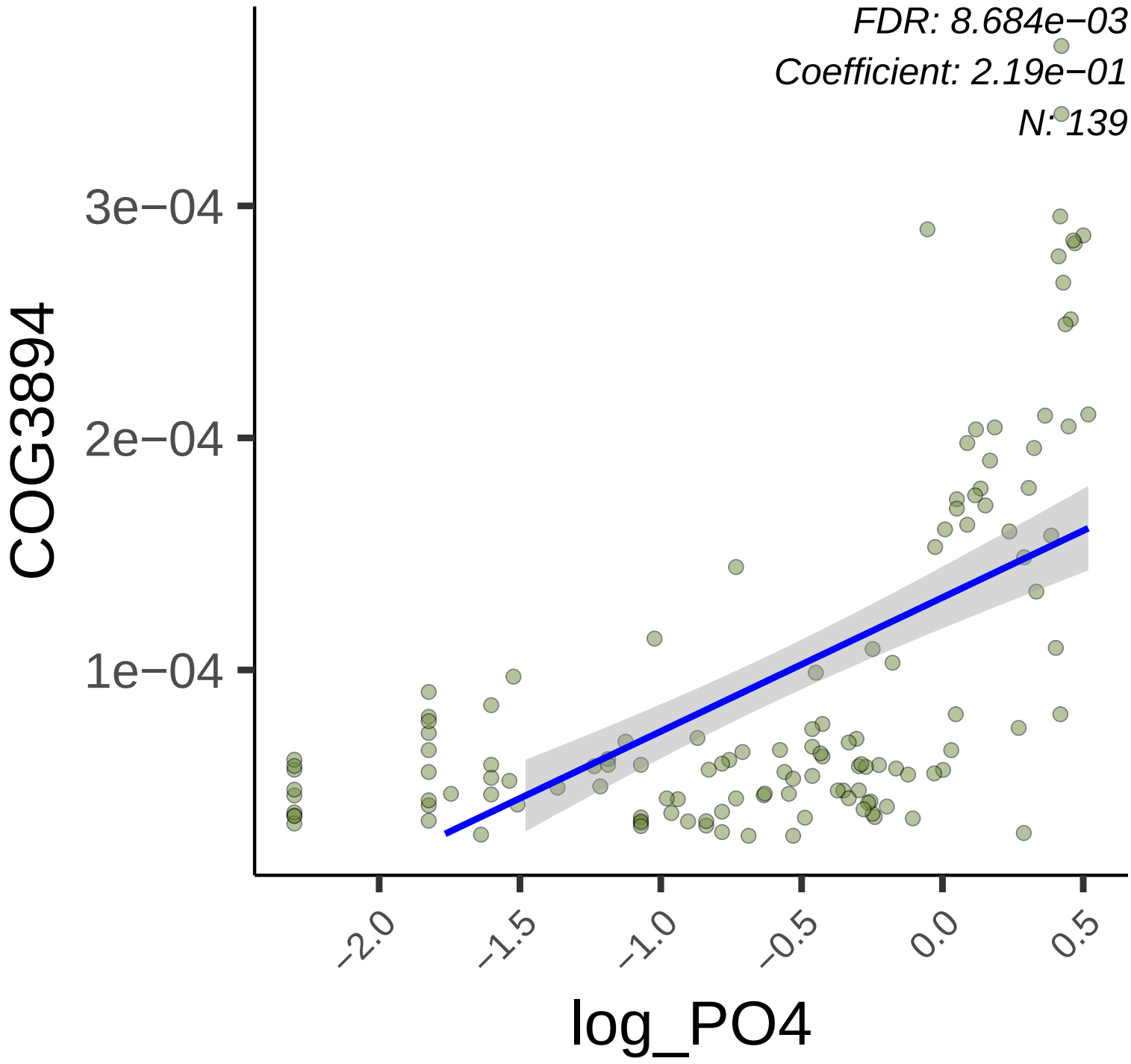
log_PO4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Coefficient: 2.19e−01
N: 139
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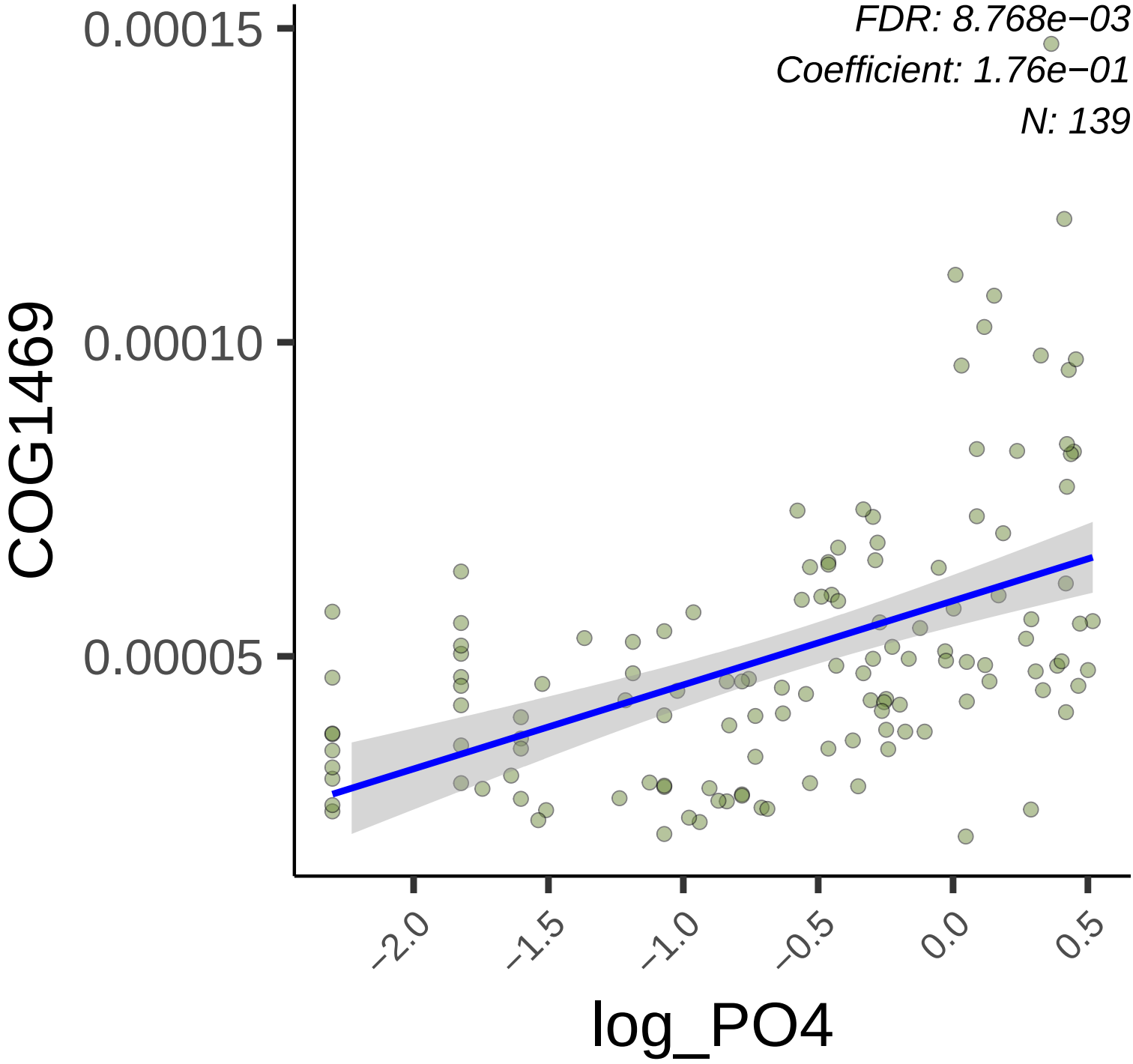
log_PO4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Coefficient: 1.76e−01
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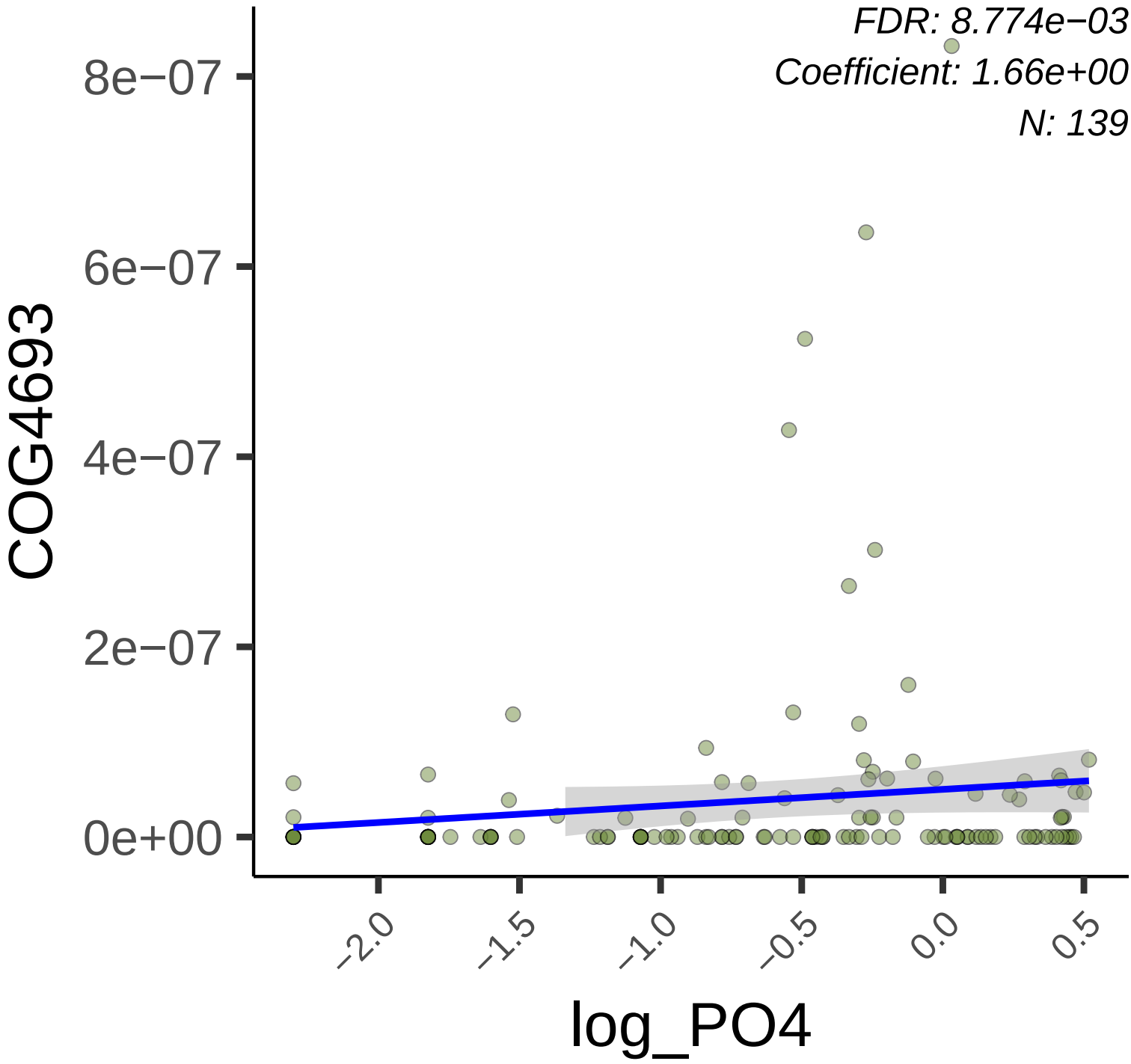
log_PO4


FDR: 8.774e−03
Coefficient: 1.66e+00
N: 139
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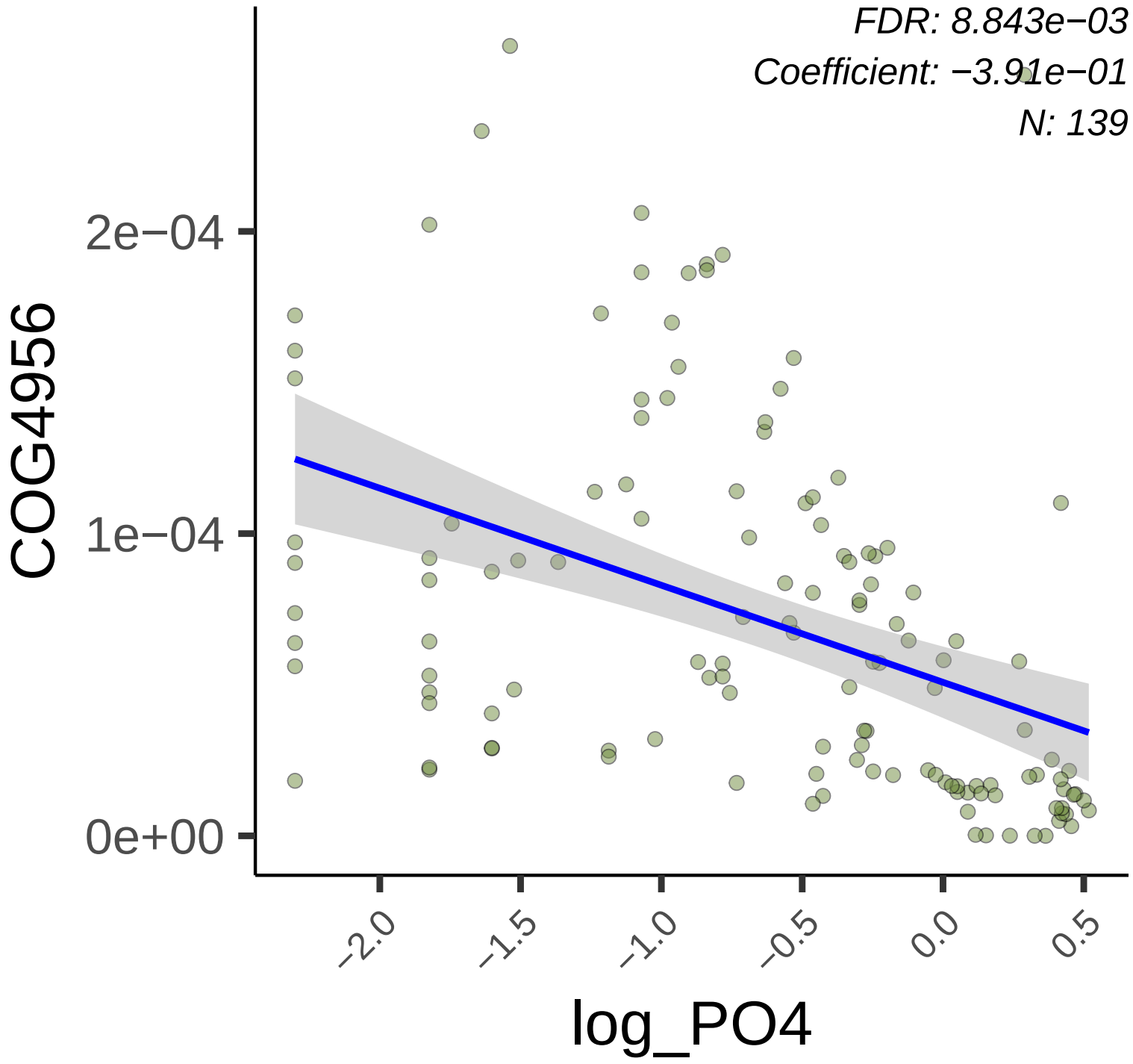
log_PO4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Coefficient: −3.91e−01
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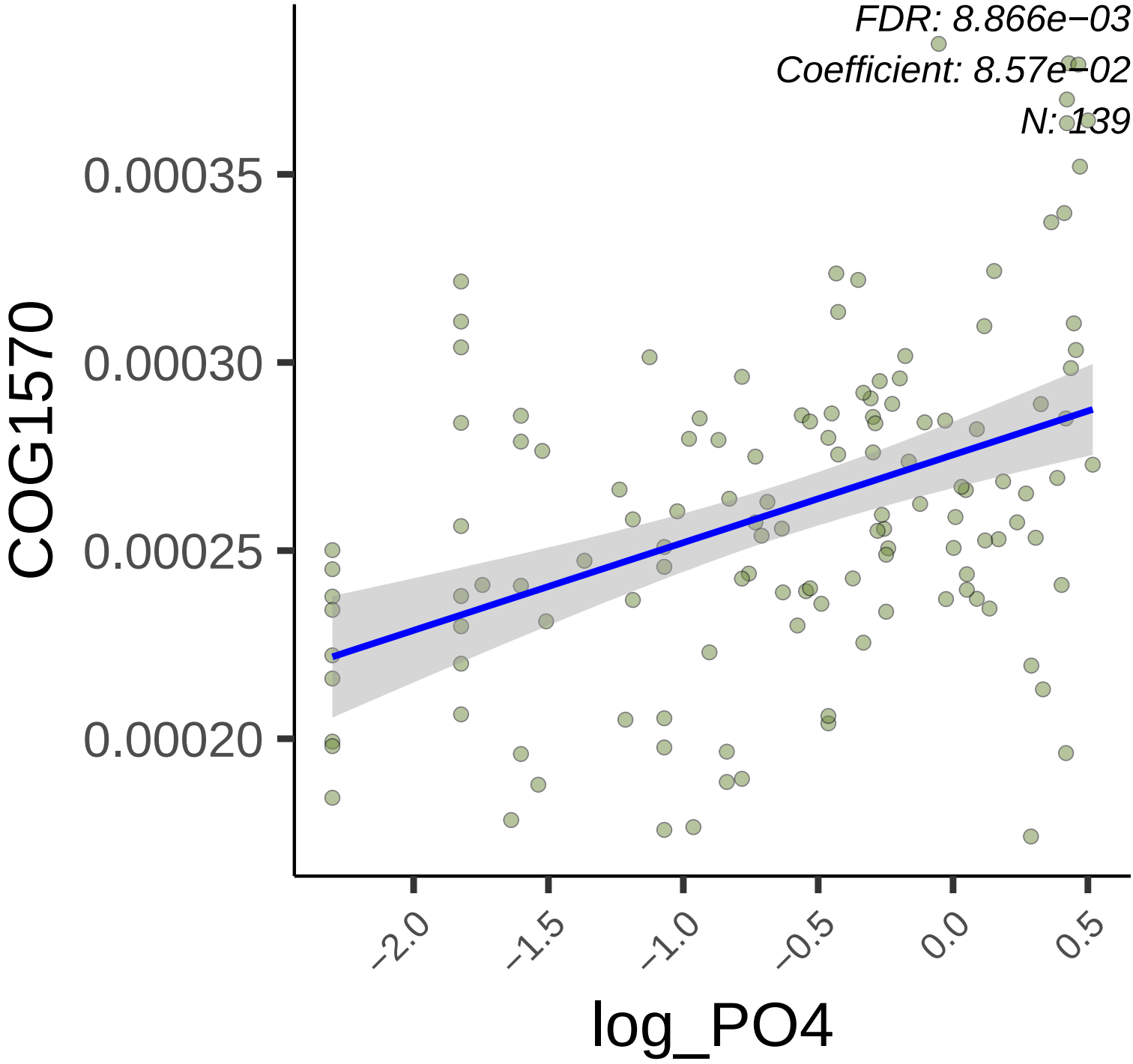
log_PO4


FDR: 8.866e−03
Coefficient: 8.57e−02
N: 139
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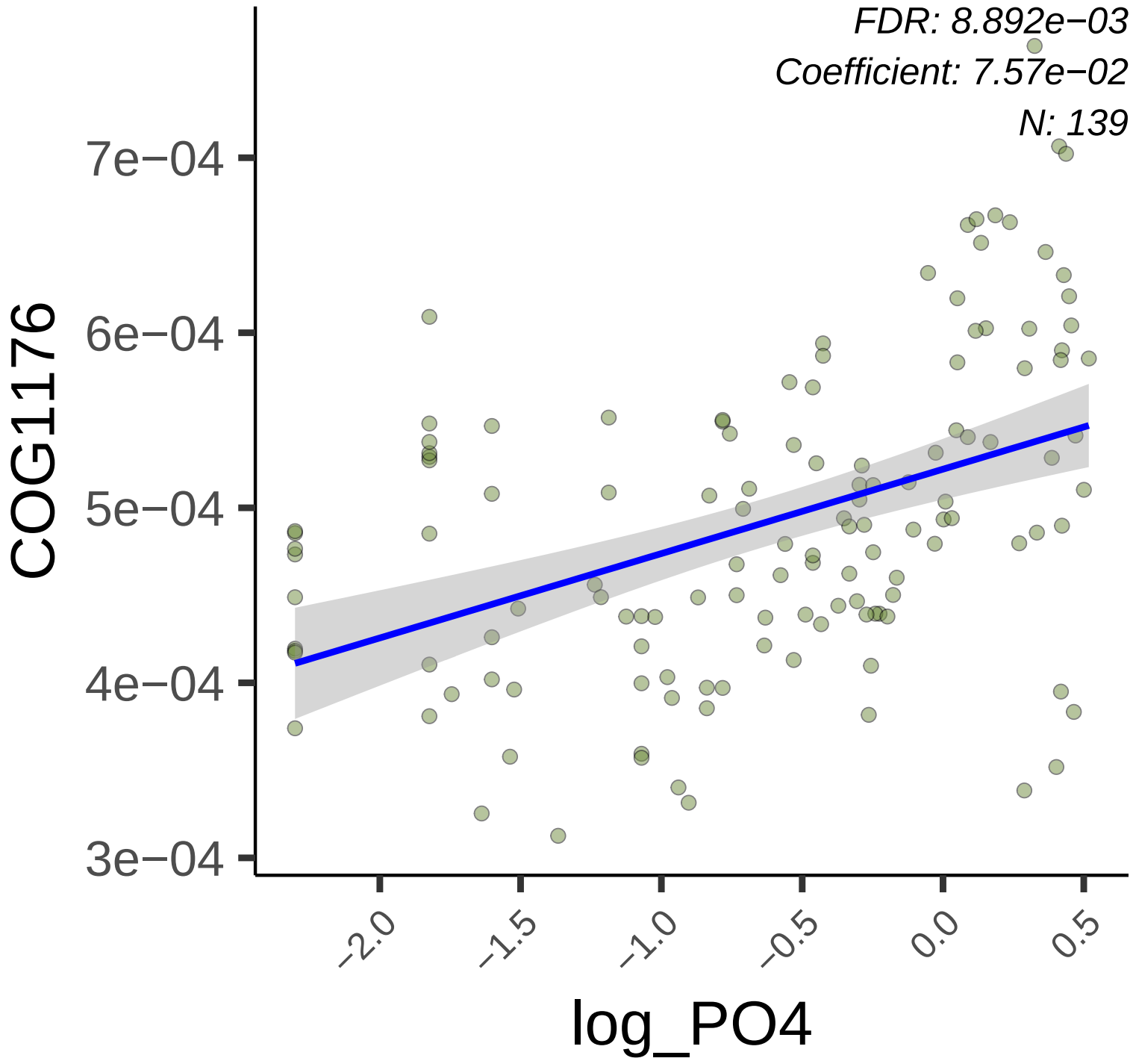
log_PO4


FDR: 8.892e−03
Coefficient: 7.57e−02
N: 139
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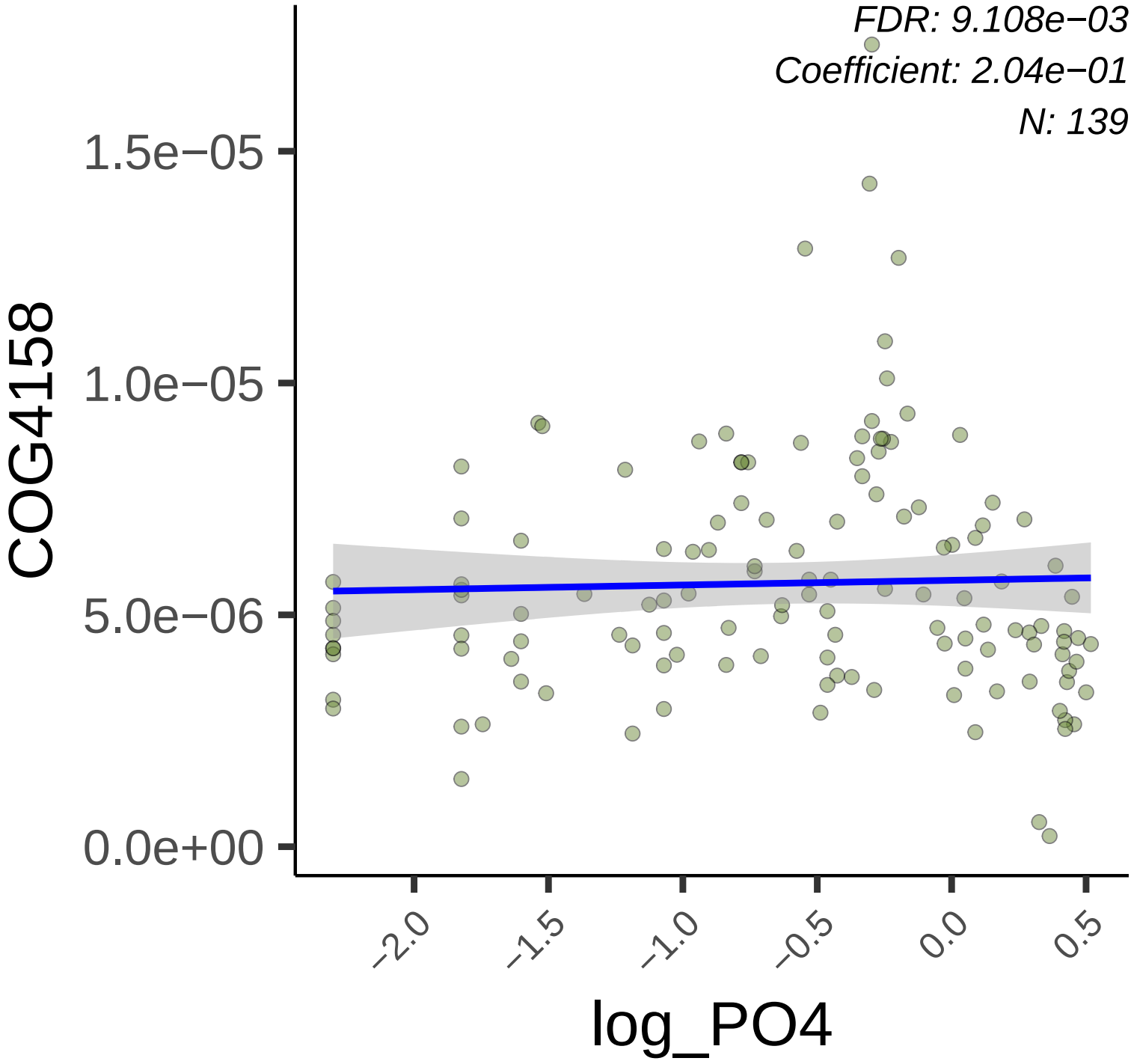
log_PO4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Coefficient: 2.04e−01
N: 139
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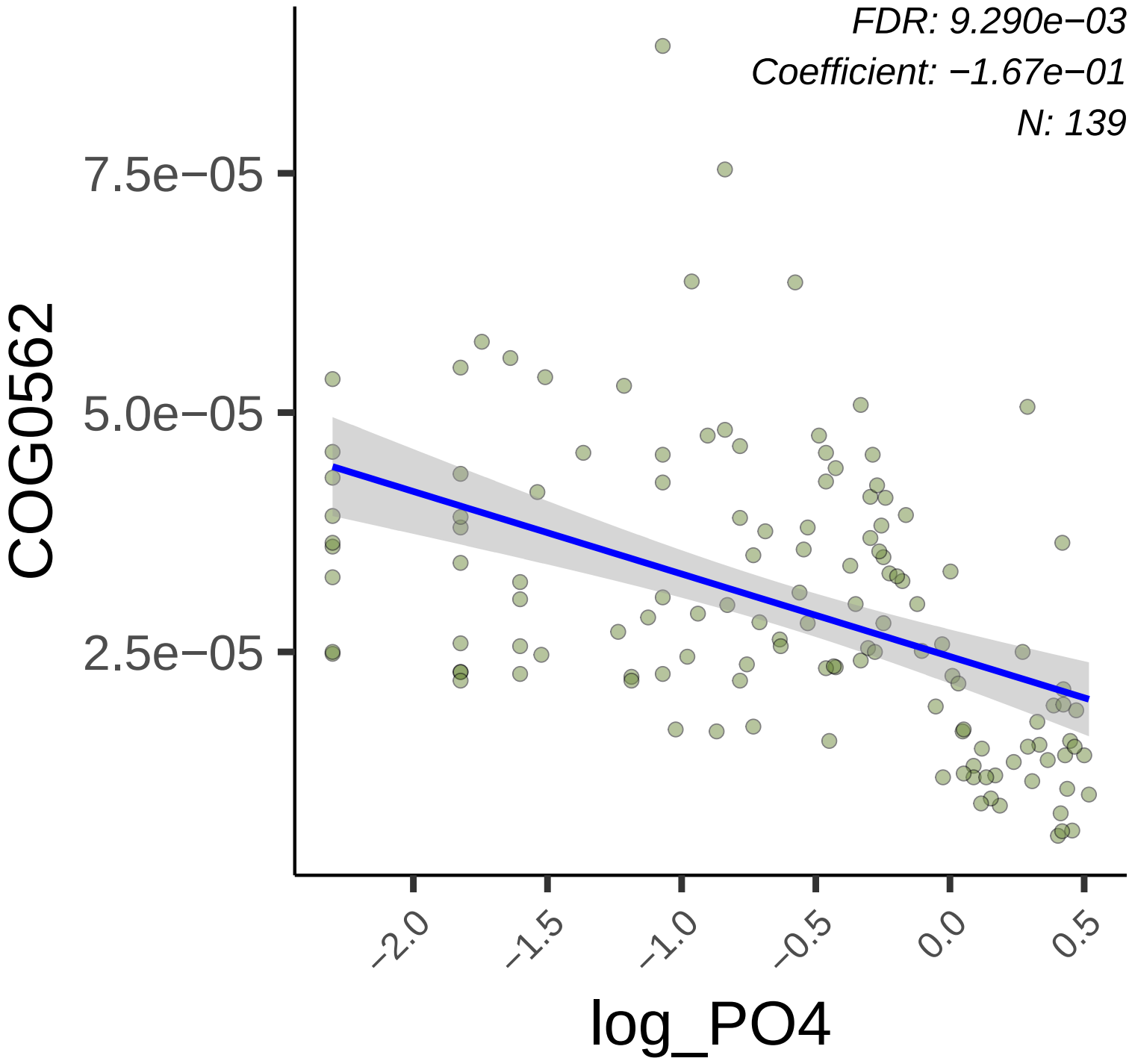
log_PO4


FDR: 9.290e−03
Coefficient: −1.67e−01
N: 139
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COG0562
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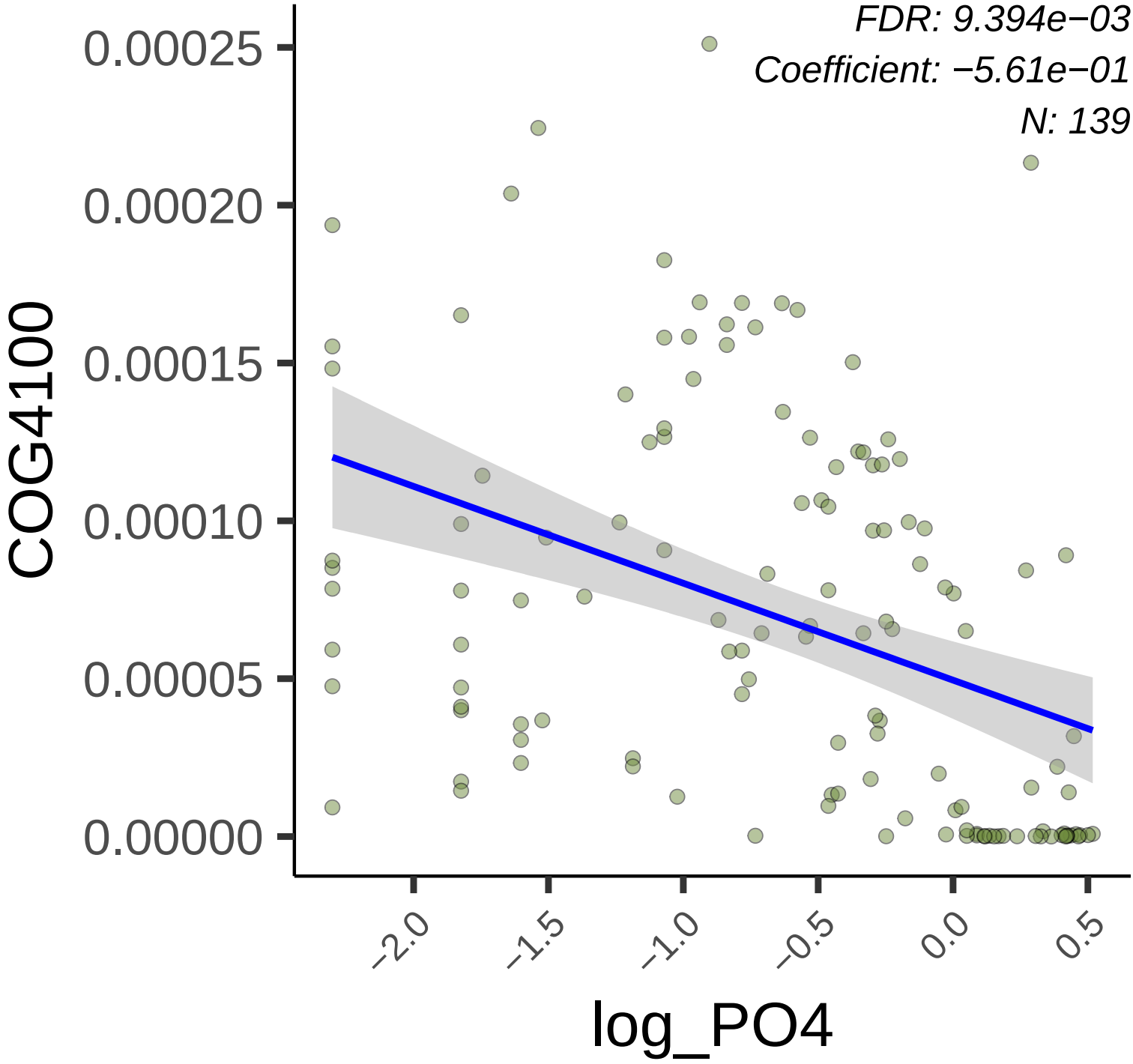
log_PO4


FDR: 9.394e−03
Coefficient: −5.61e−01
N: 139
COG4100
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0.00000
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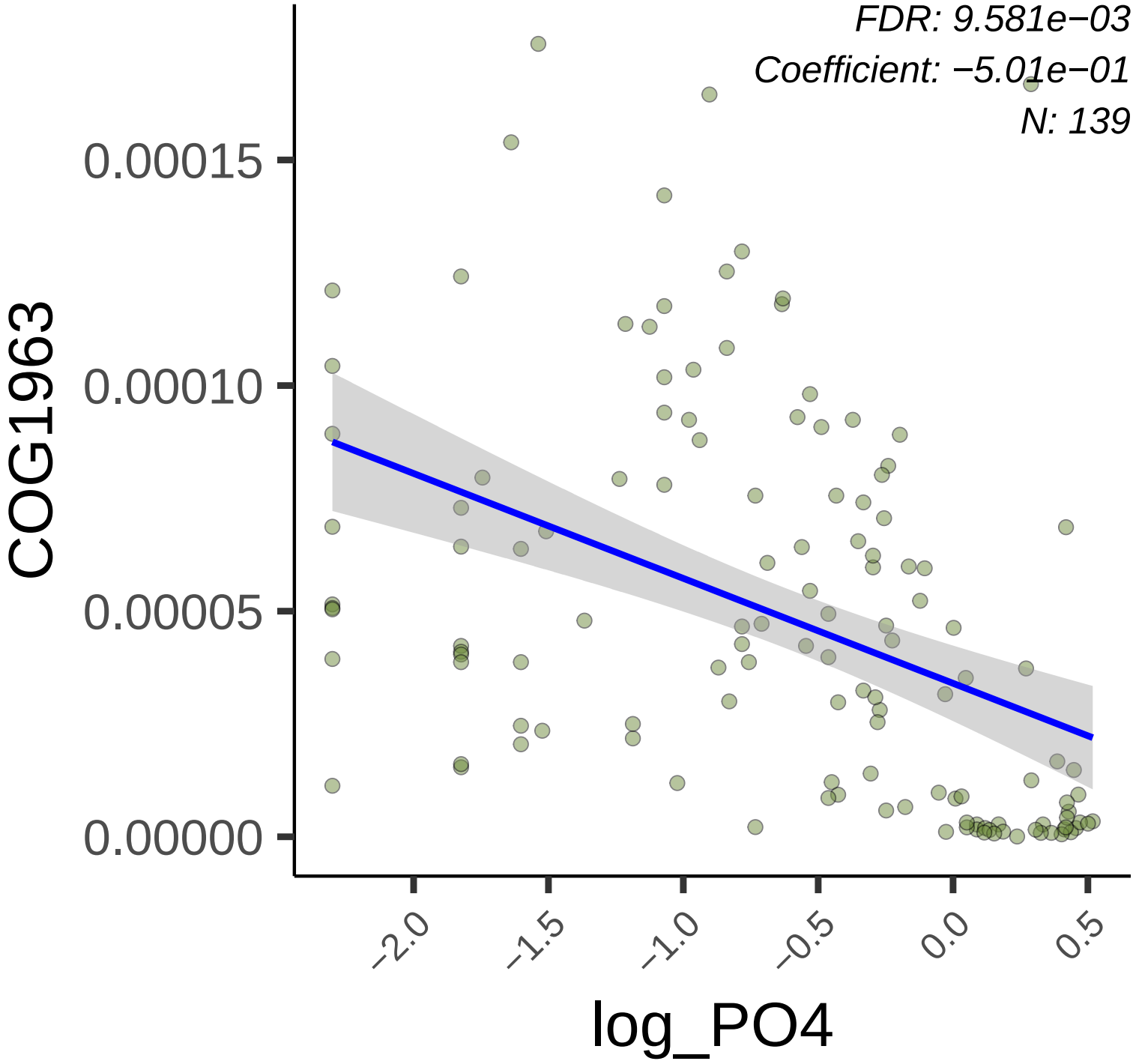
log_PO4


FDR: 9.581e−03
Coefficient: −5.01e−01
N: 139
COG1963
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0.00000
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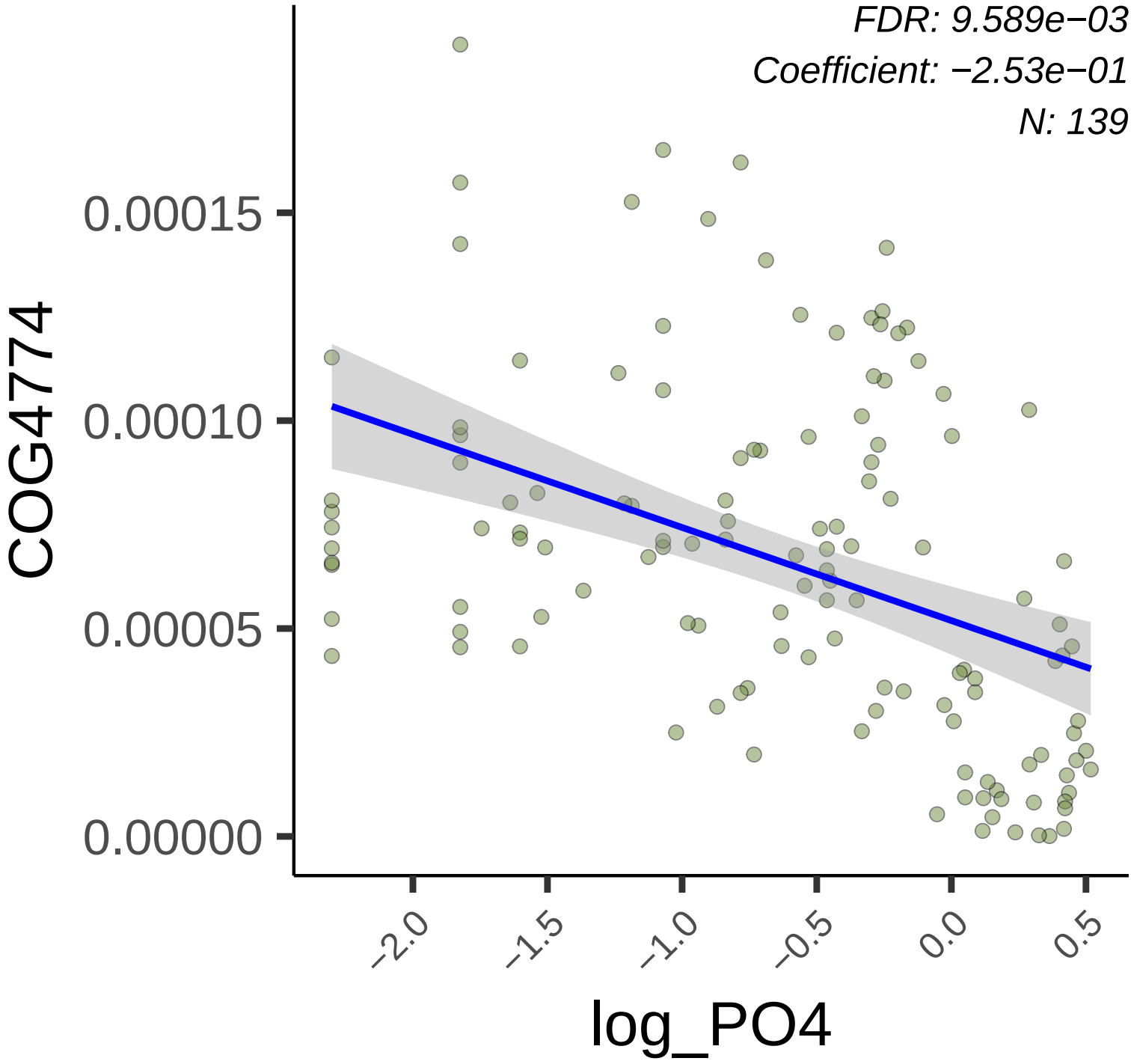
log_PO4


FDR: 9.589e−03
Coefficient: −2.53e−01
N: 139
COG4774
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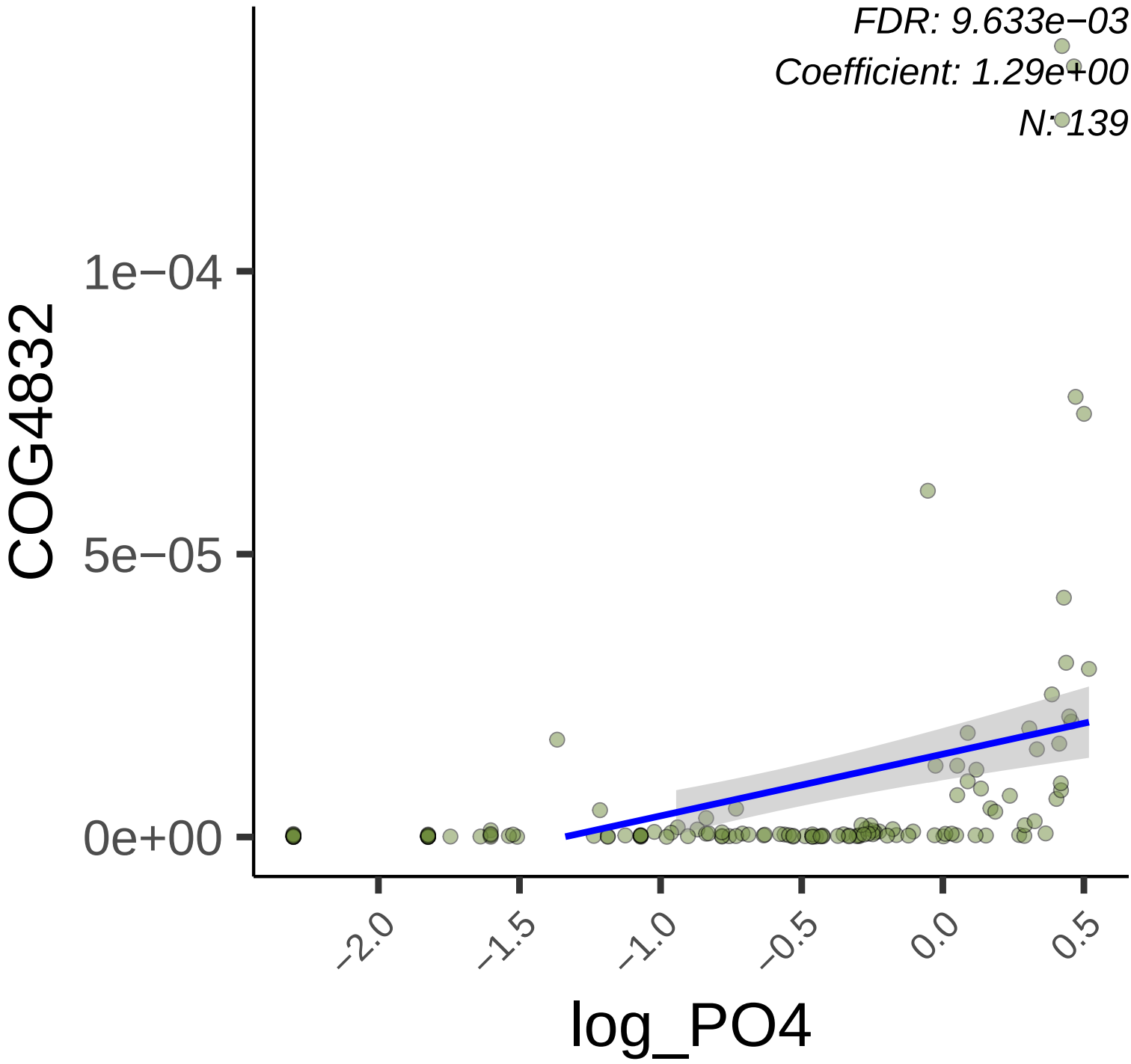
log_PO4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Coefficient: 1.29e+00
N: 139
COG4832
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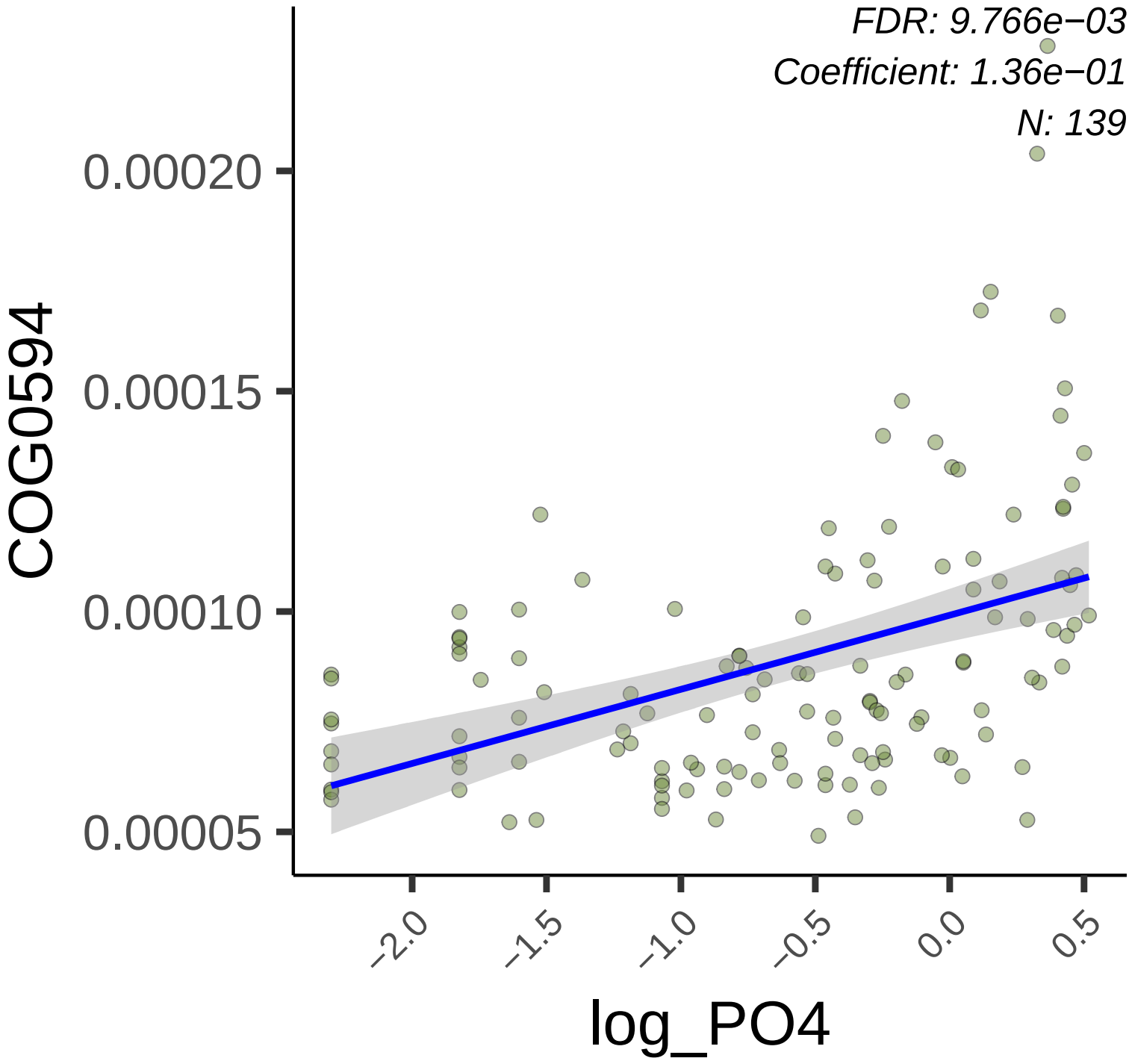
log_PO4


FDR: 9.766e−03
Coefficient: 1.36e−01
N: 139
COG0594
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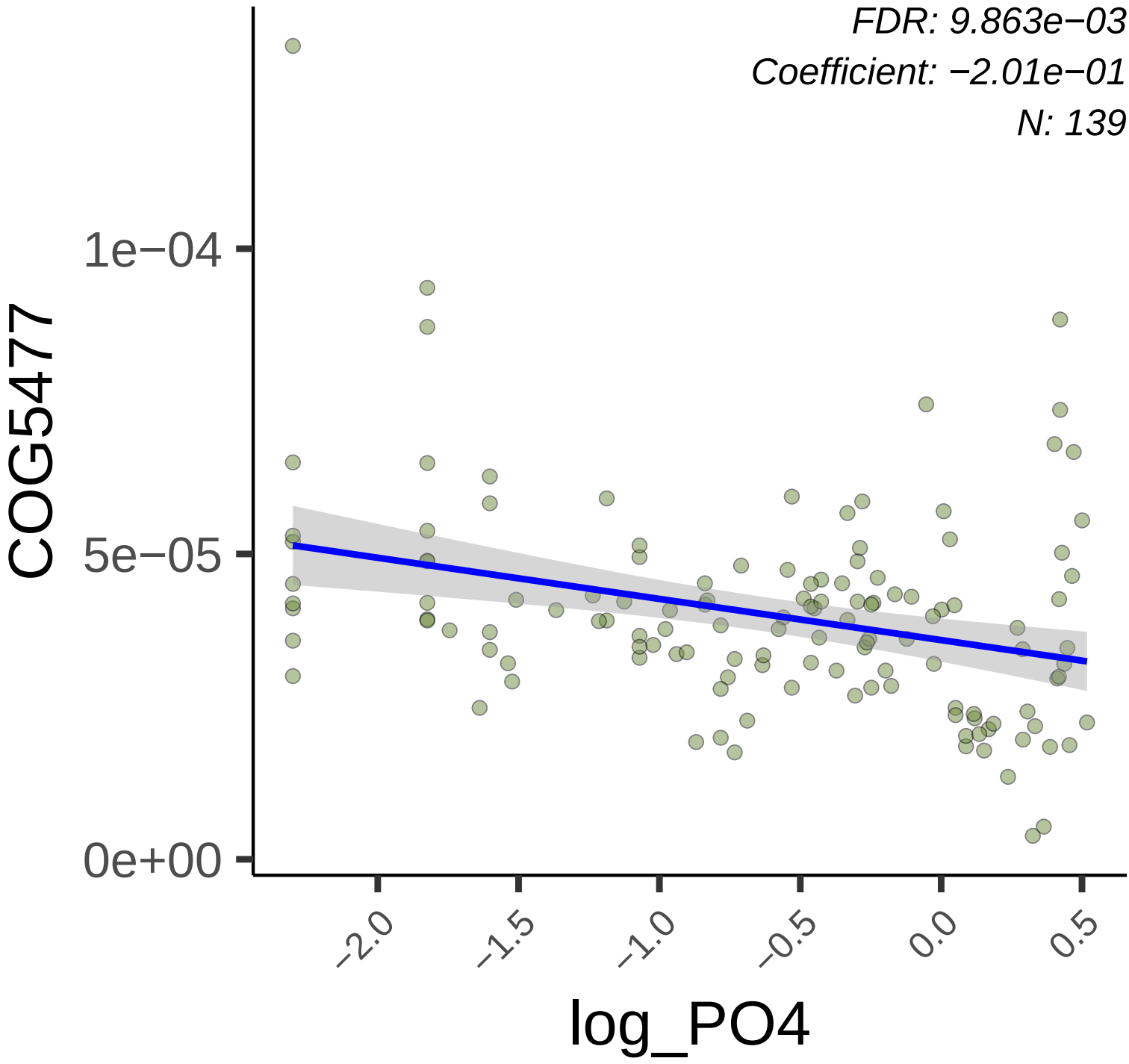
log_PO4


FDR: 9.863e−03
Coefficient: −2.01e−01
N: 139
COG5477
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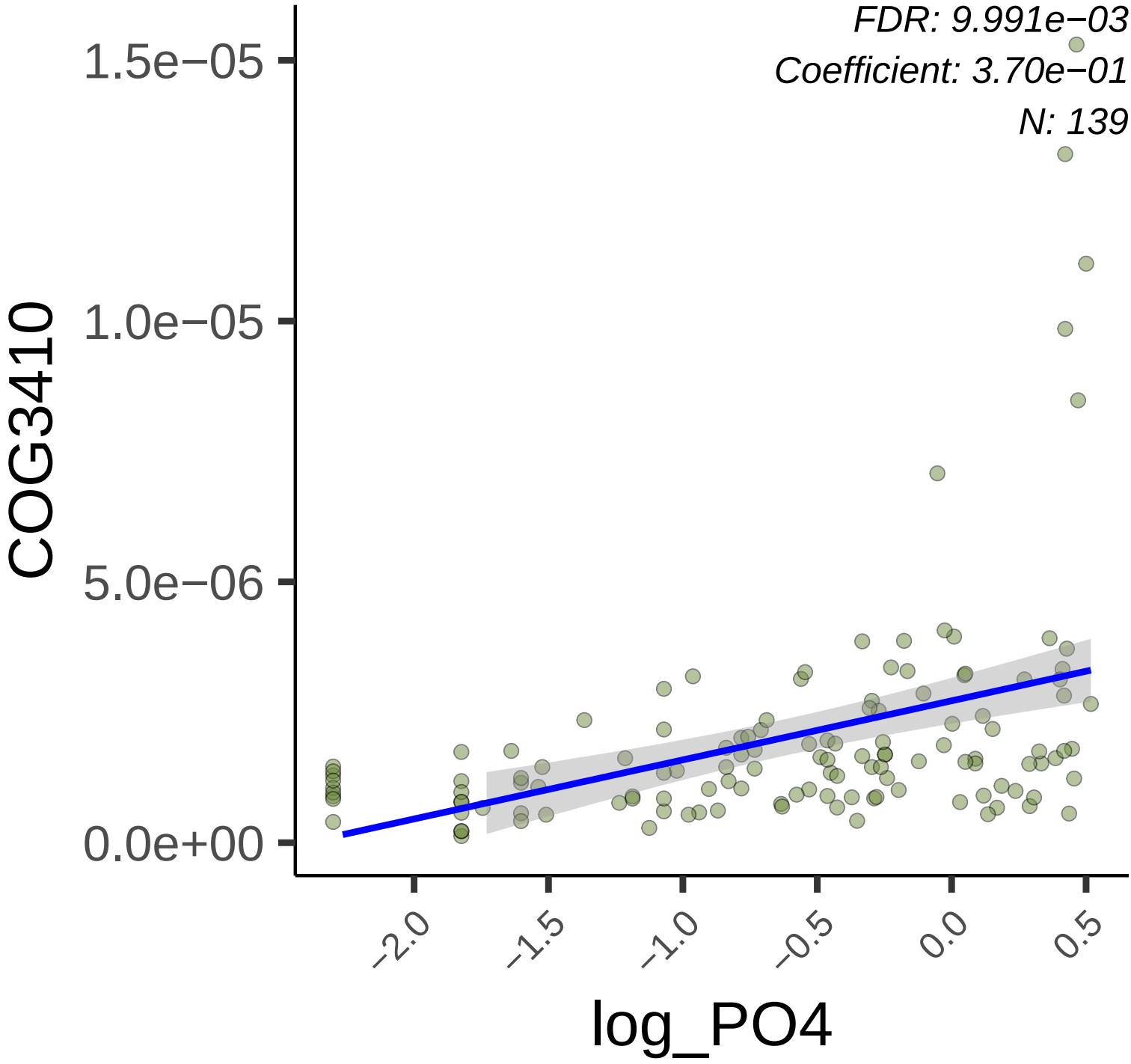
log_PO4


FDR: 9.991e−03
Coefficient: 3.70e−01
N: 139
COG3410
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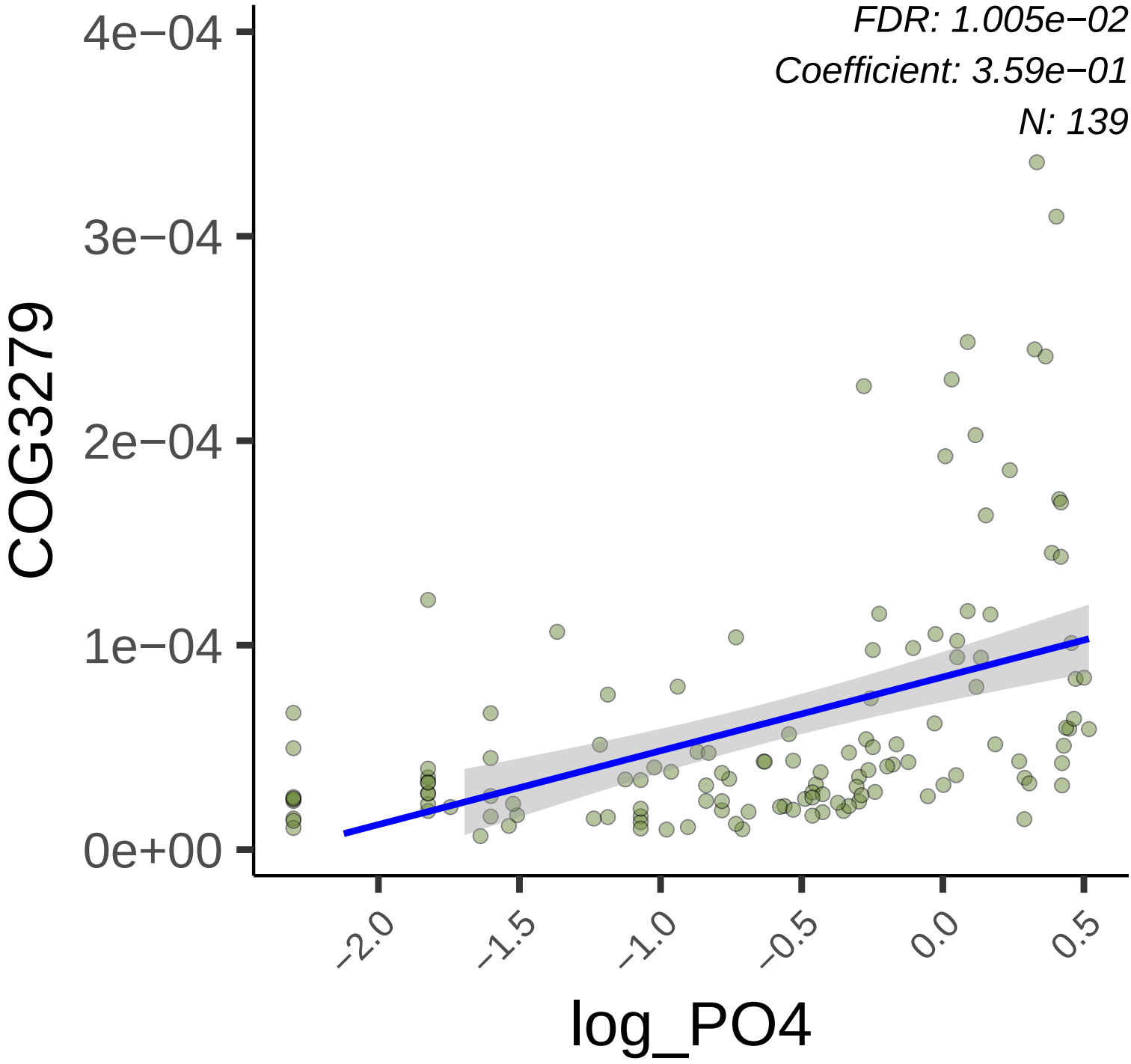
log_PO4


FDR: 1.005e−02
Coefficient: 3.59e−01
N: 139
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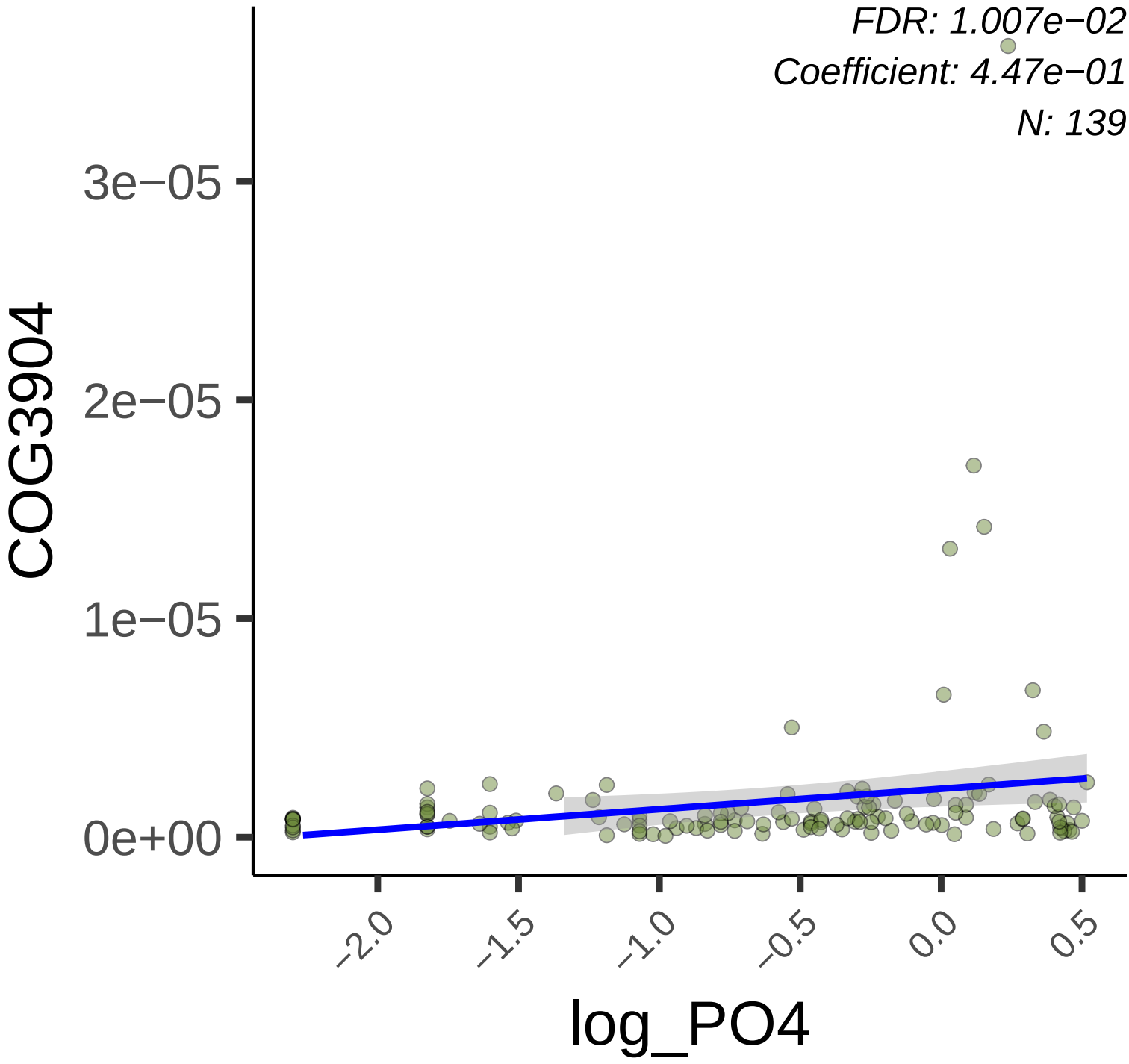
log_PO4


FDR: 1.007e−02
Coefficient: 4.47e−01
N: 139
COG3904
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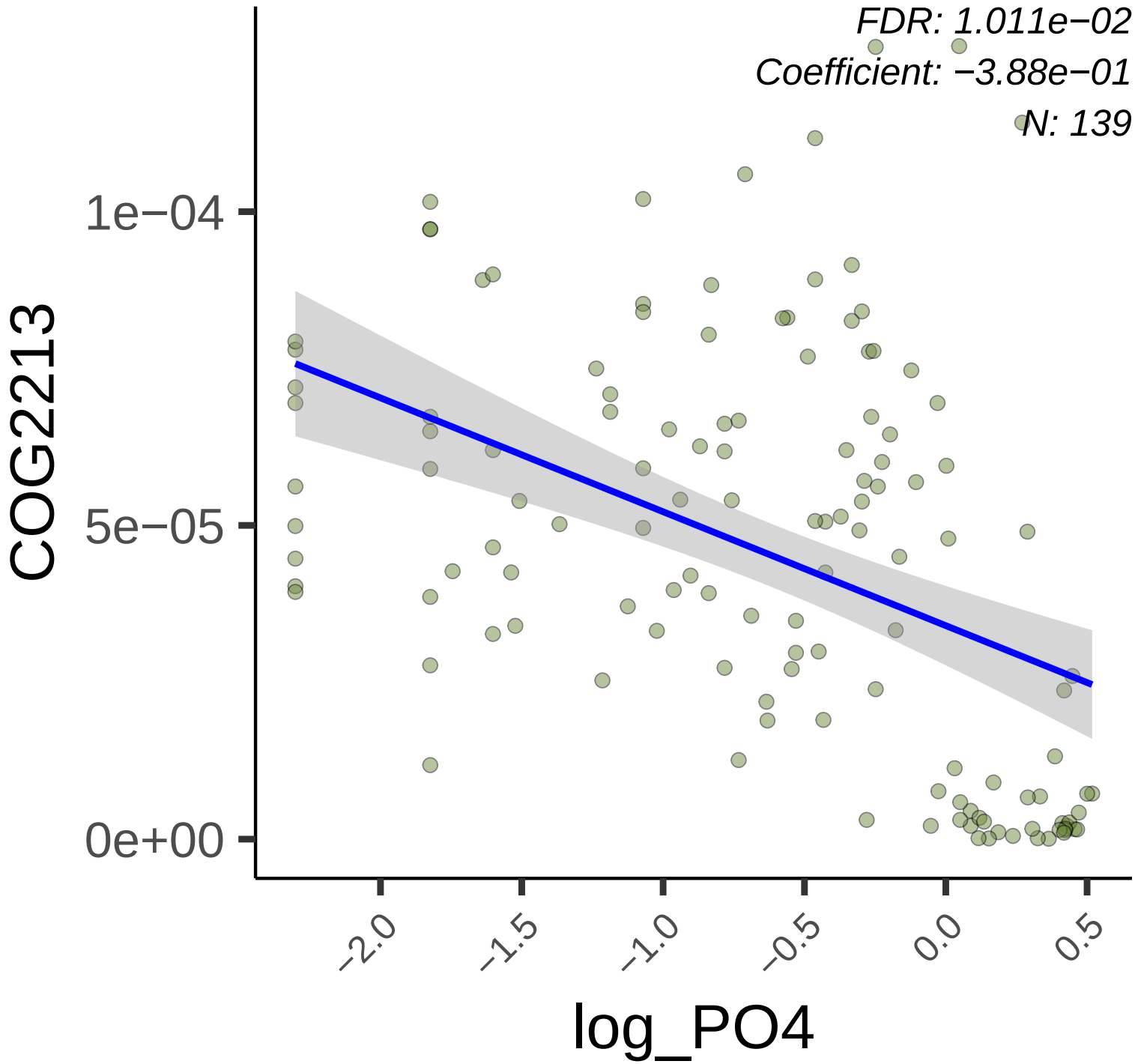
log_PO4


FDR: 1.011e−02
Coefficient: −3.88e−01
N: 139
COG2213
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0e+00
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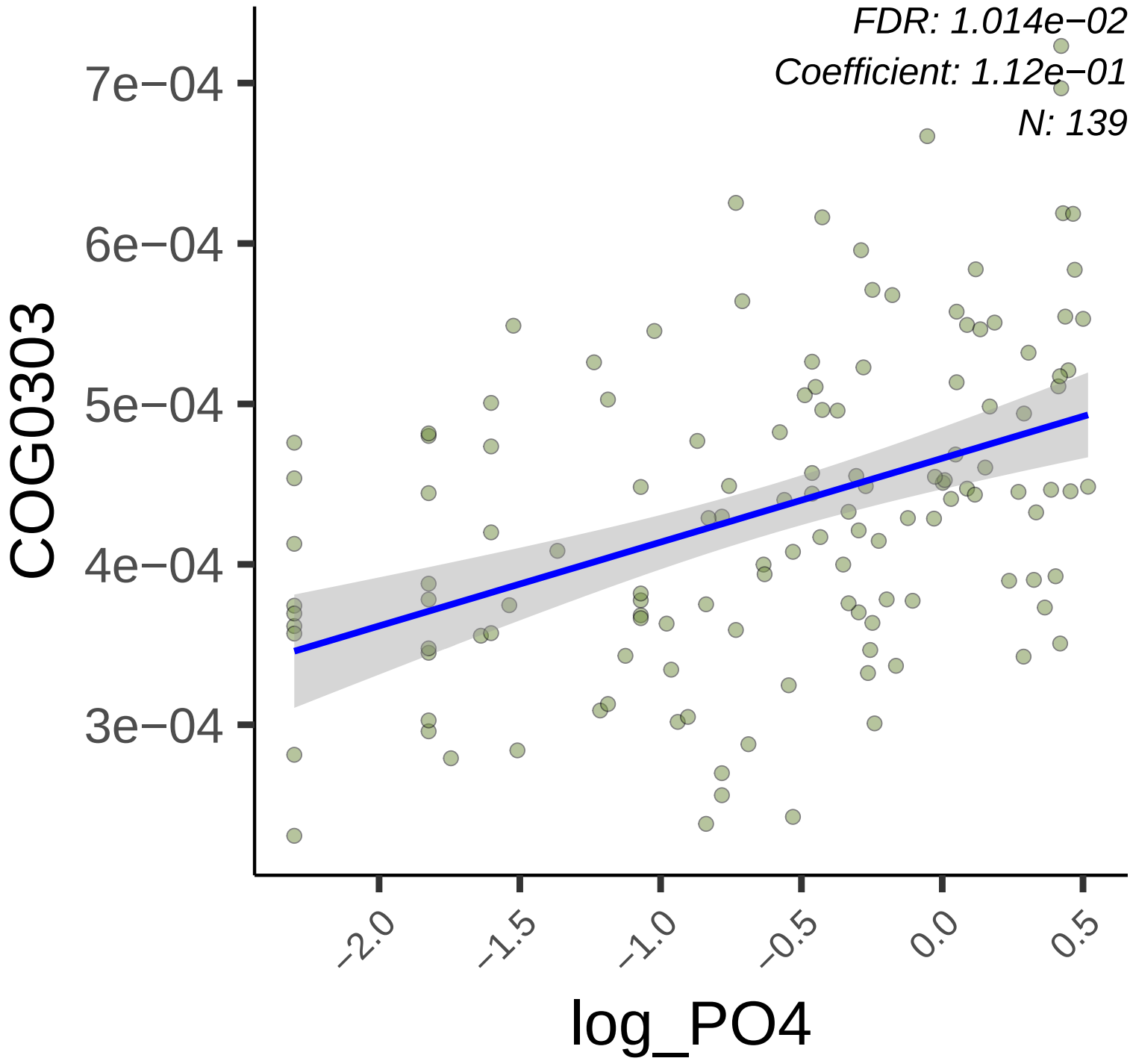
log_PO4


FDR: 1.014e−02
Coefficient: 1.12e−01
N: 139
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5e−04
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COG0303
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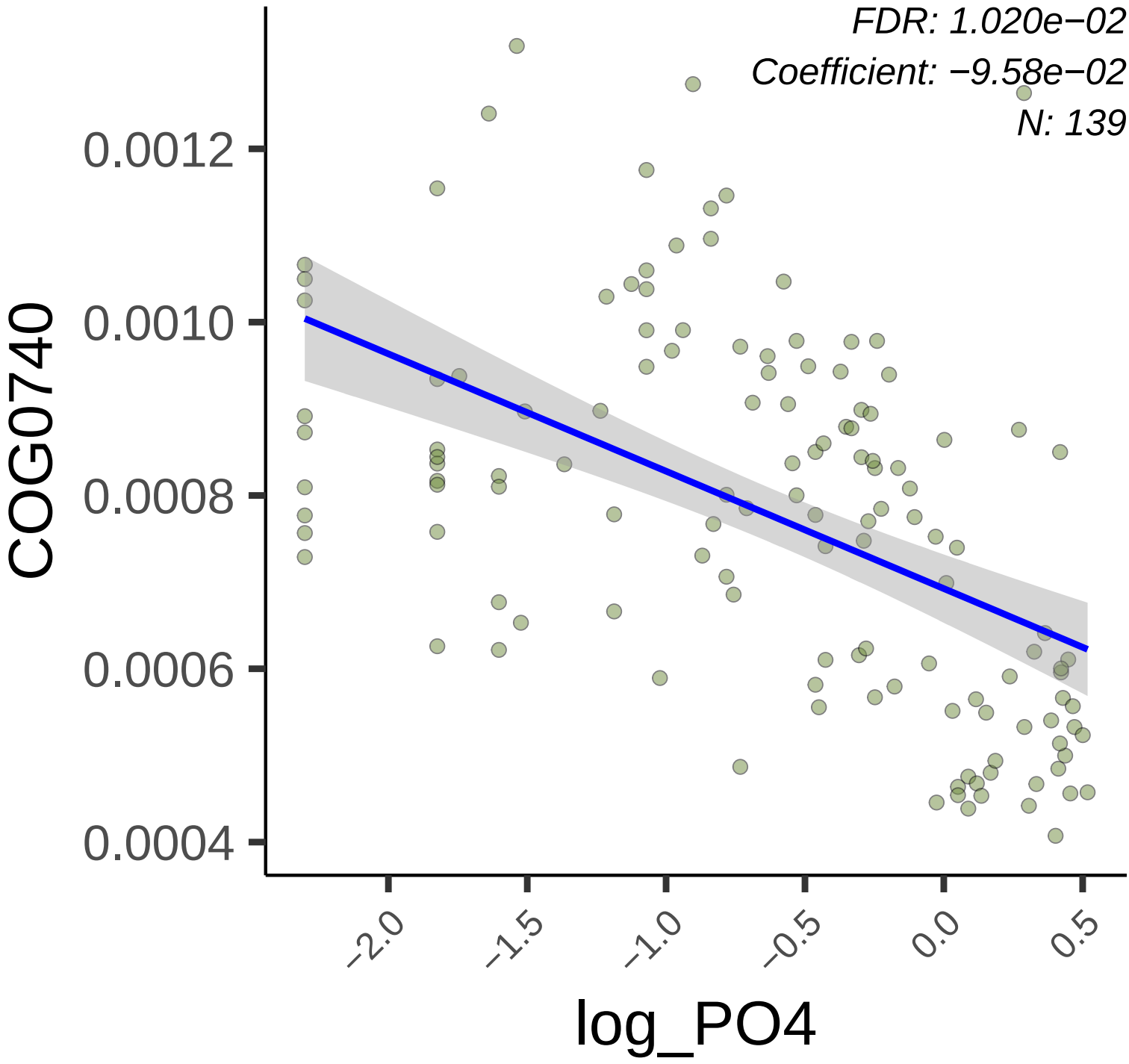
log_PO4


FDR: 1.020e−02
Coefficient: −9.58e−02
N: 139
COG0740
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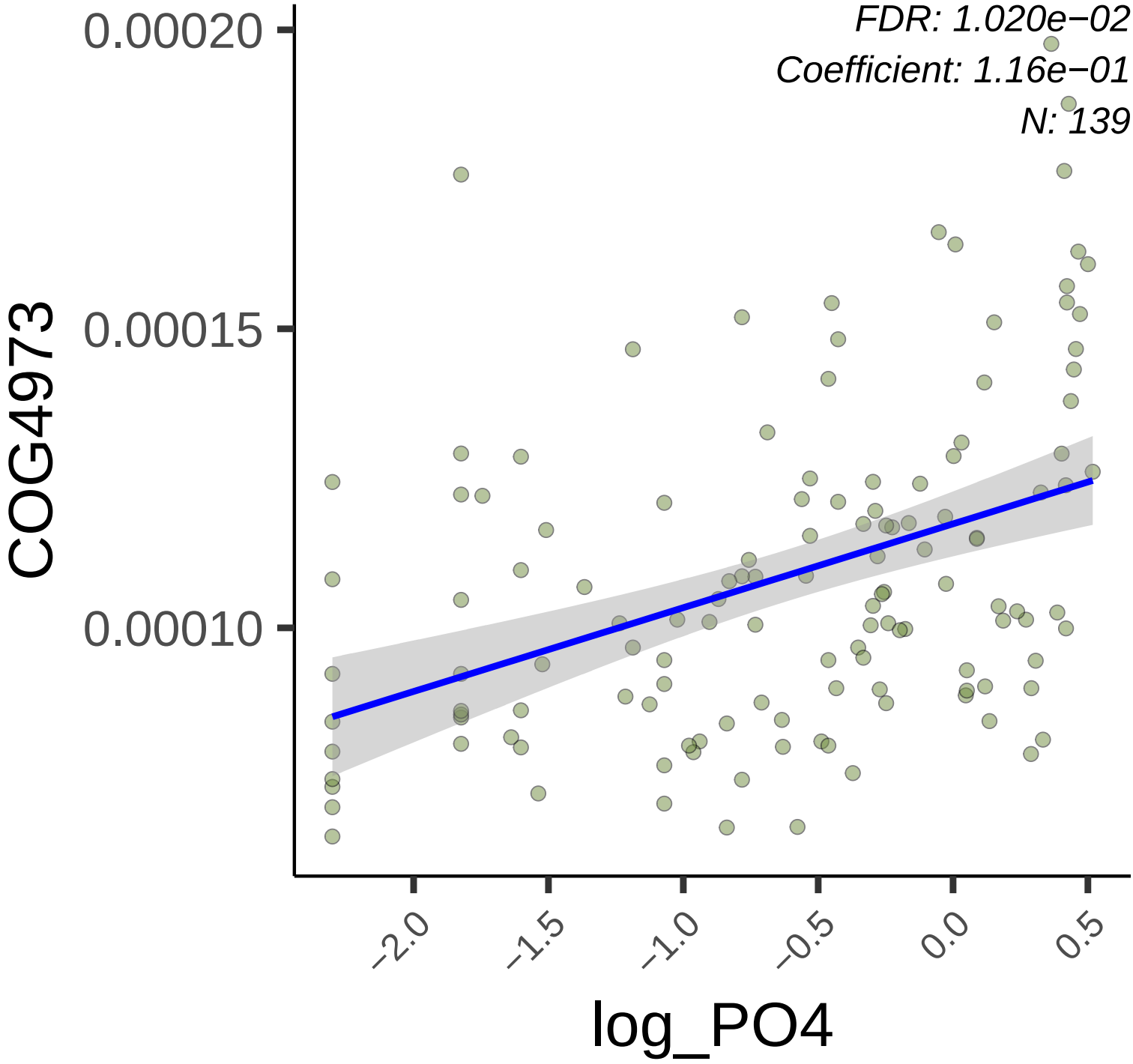
log_PO4


FDR: 1.020e−02
Coefficient: 1.16e−01
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COG4973
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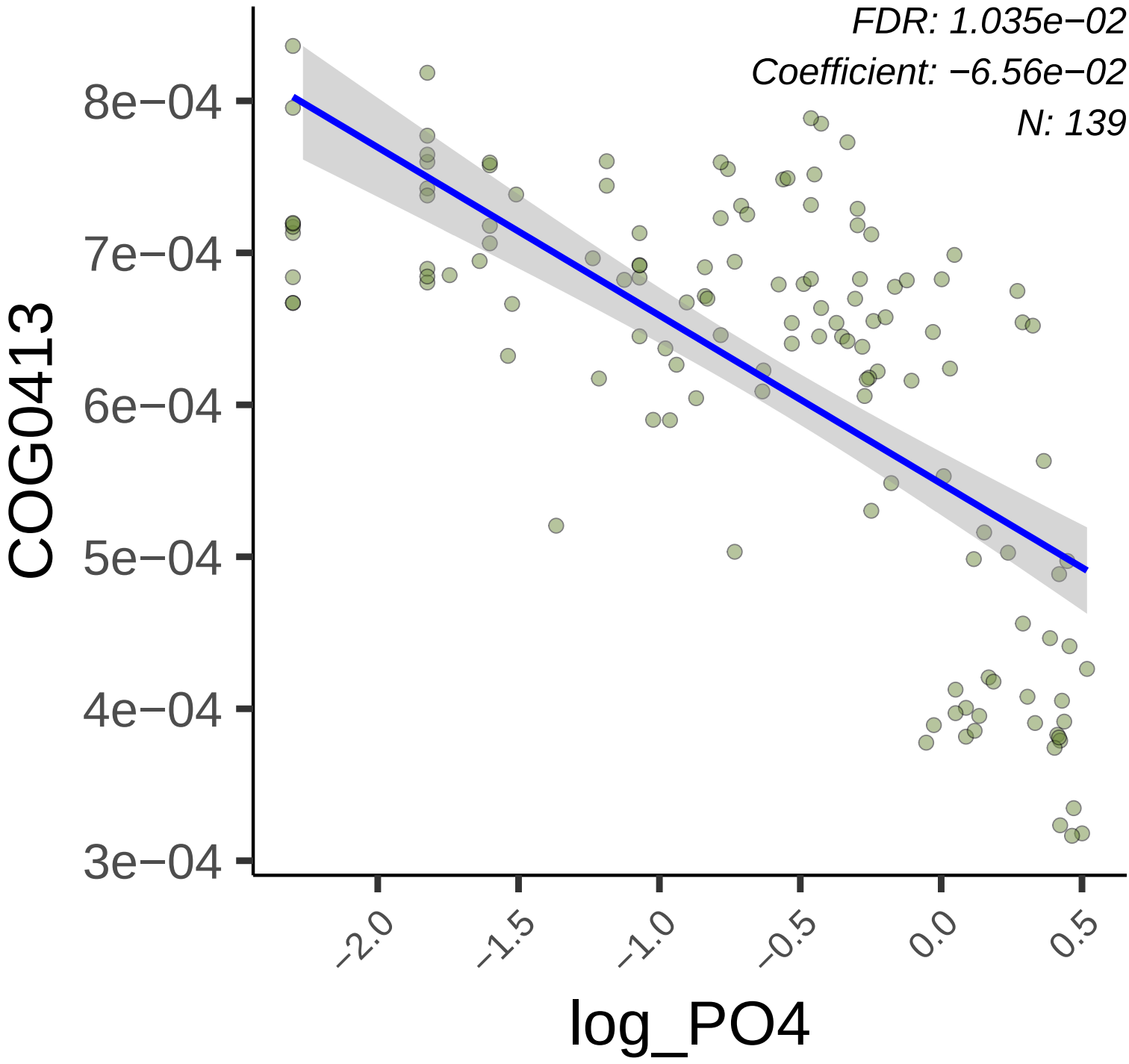
log_PO4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Coefficient: −6.56e−02
N: 139
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6e−04
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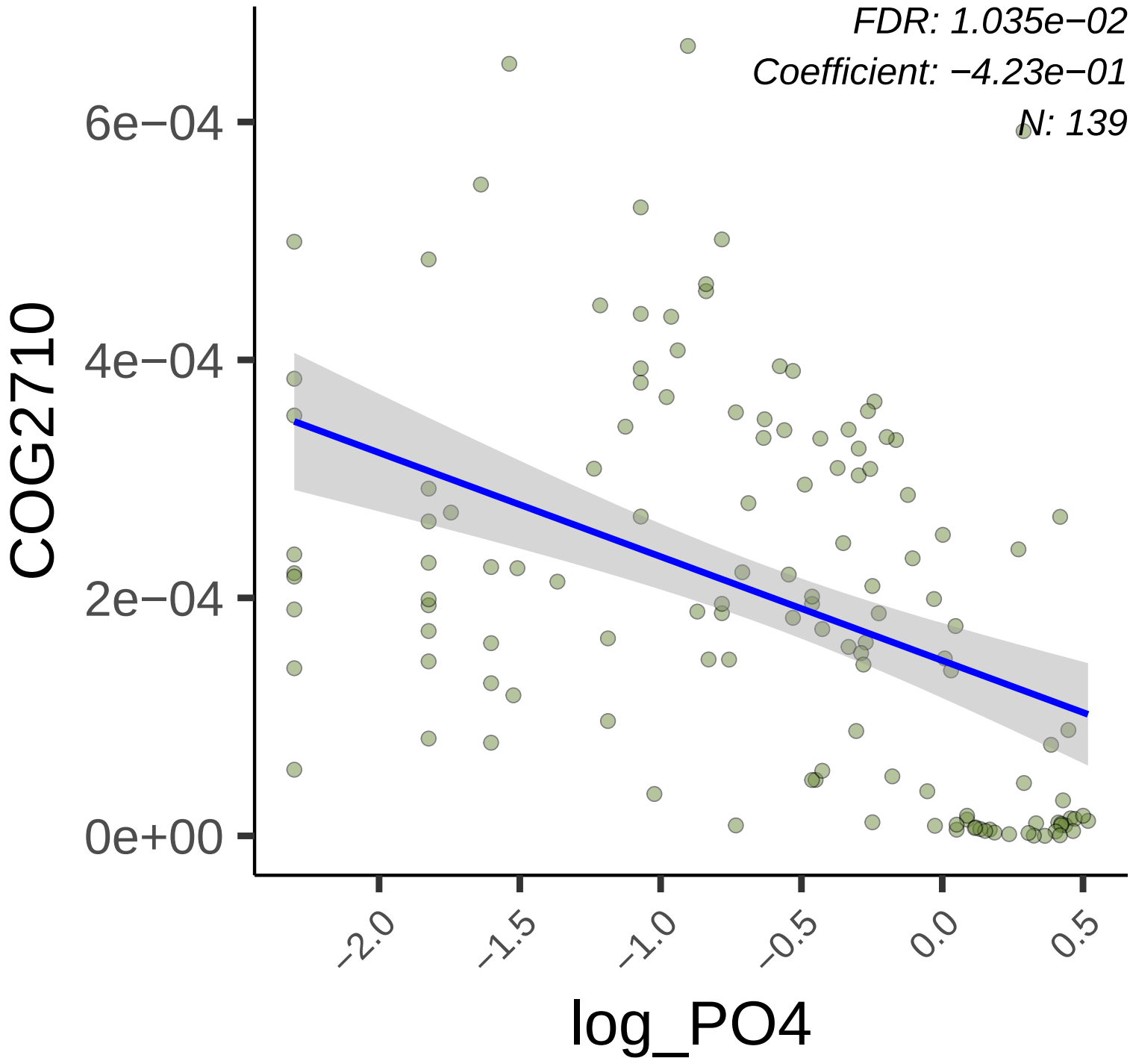
log_PO4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Coefficient: −4.23e−01
N: 139
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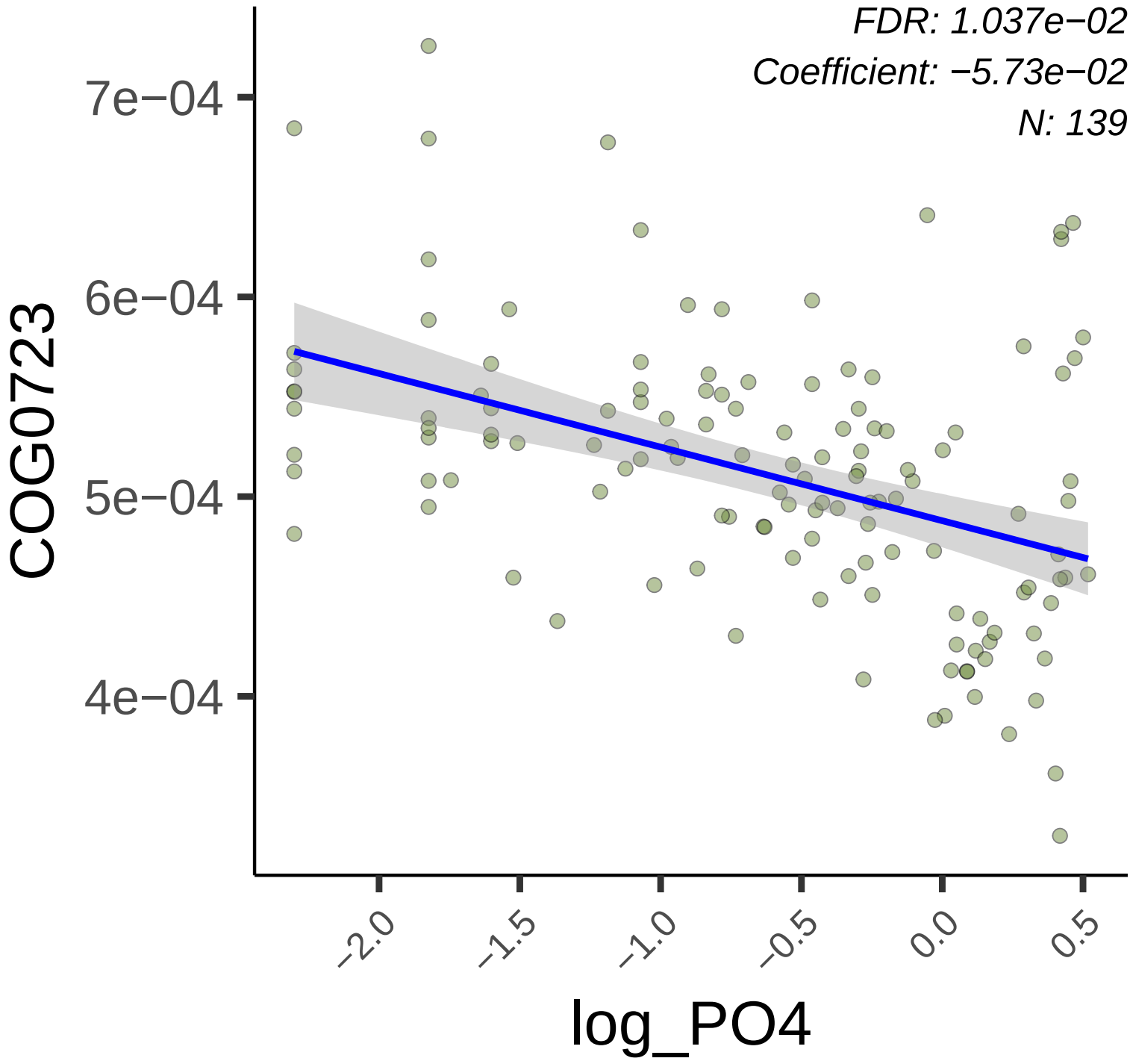
log_PO4


FDR: 1.037e−02
Coefficient: −5.73e−02
N: 139
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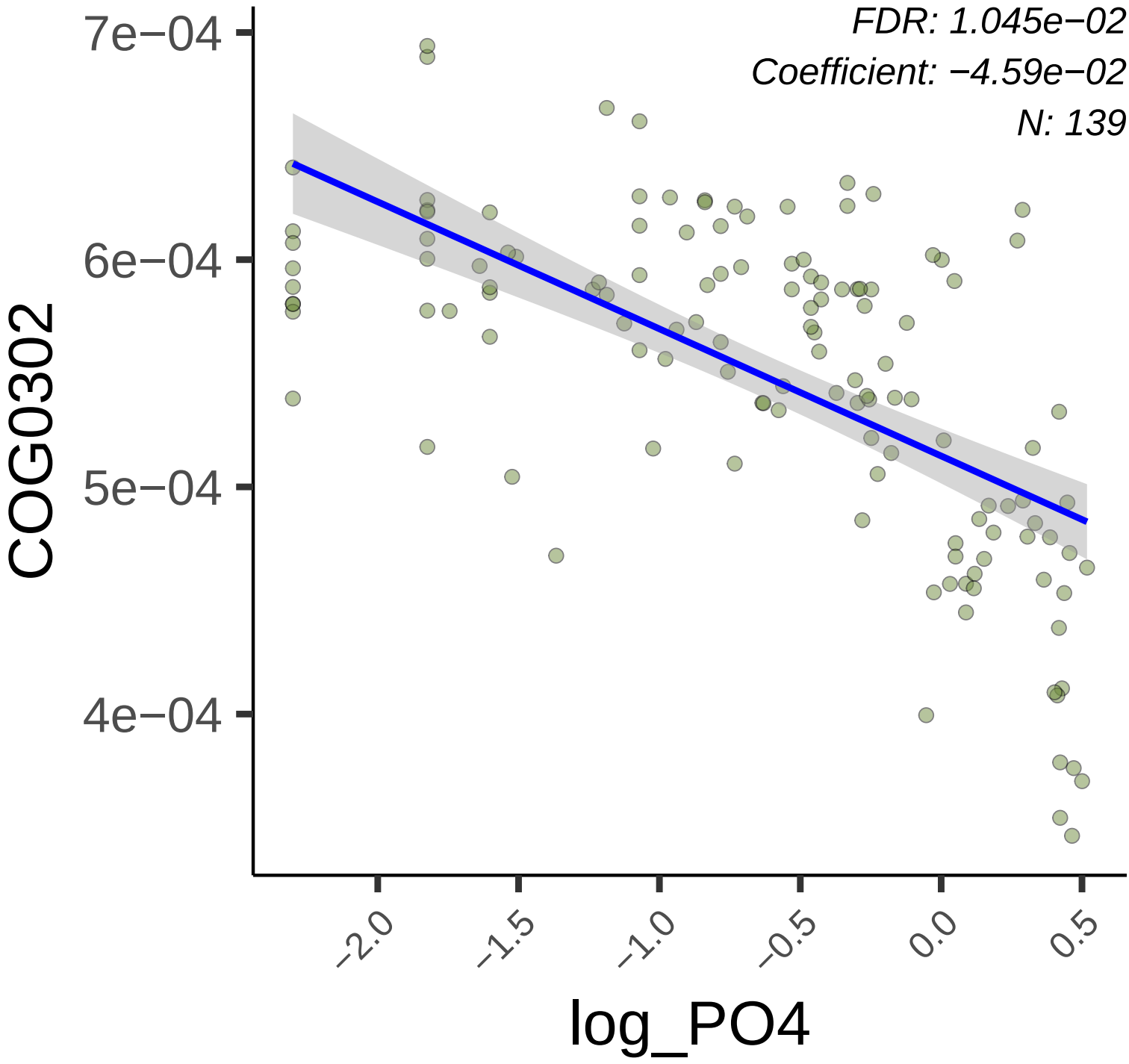
log_PO4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Coefficient: −4.59e−02
N: 139
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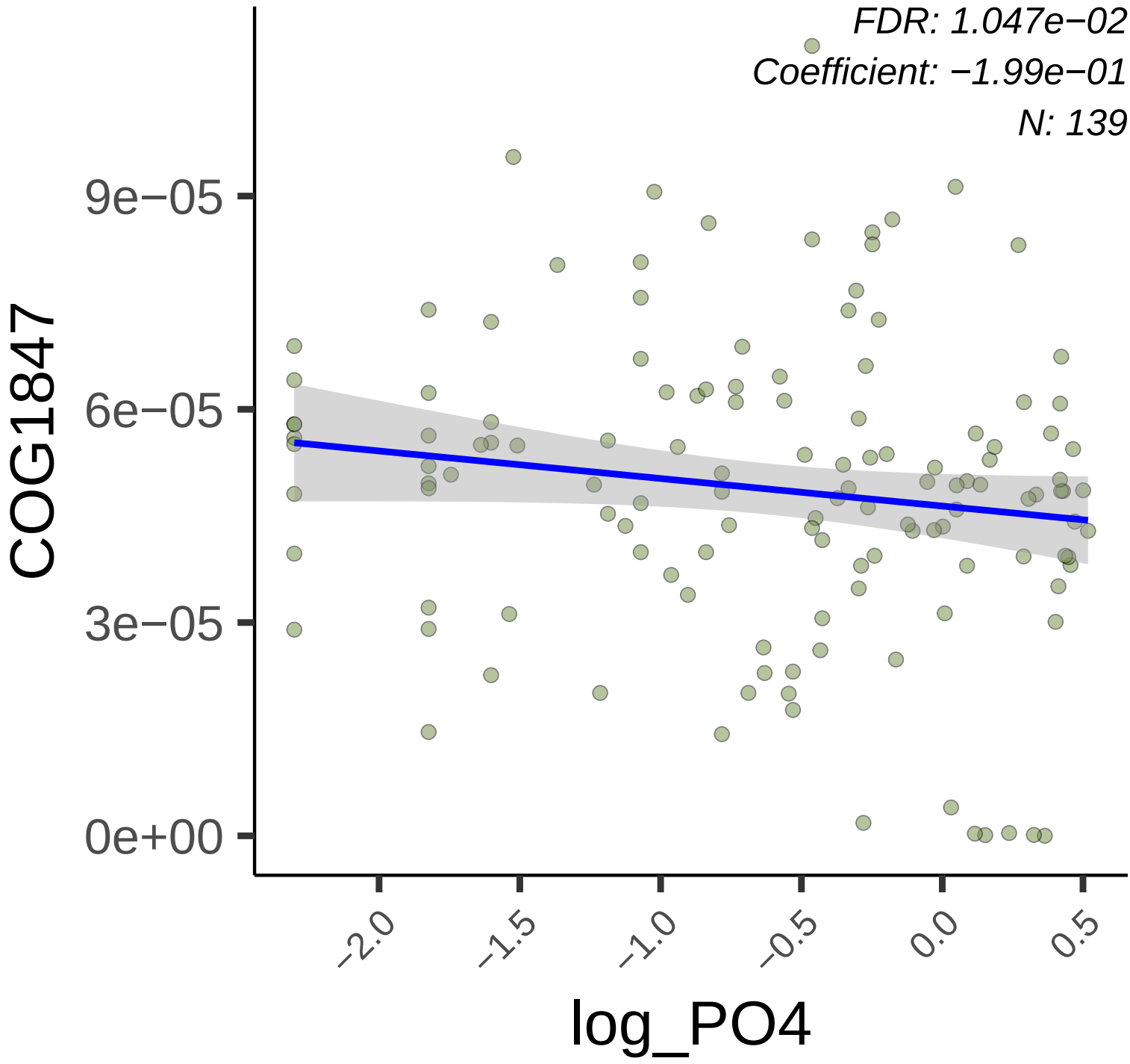
log_PO4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Coefficient: −1.99e−01
N: 139
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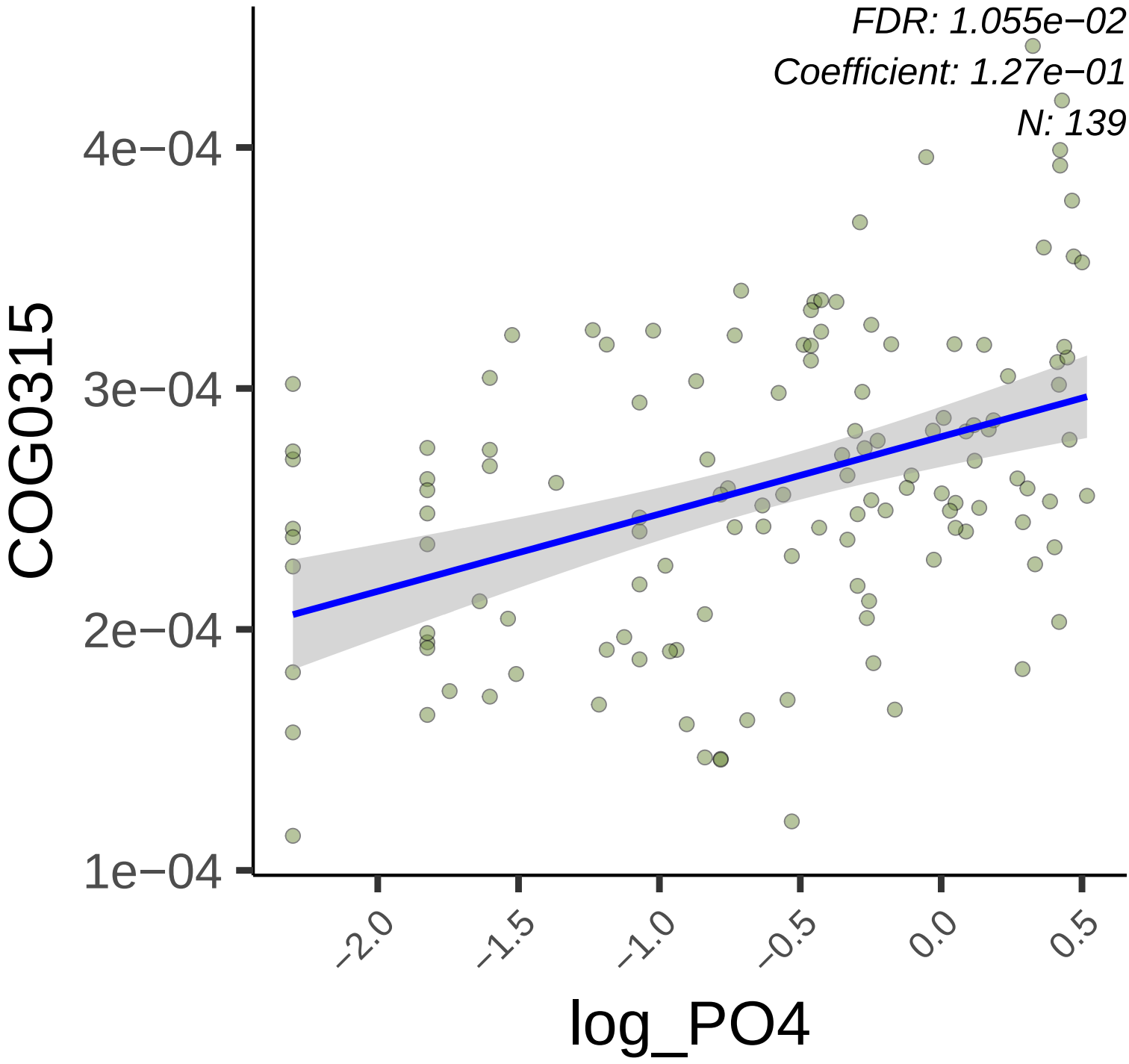
log_PO4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Coefficient: 1.27e−01
N: 139
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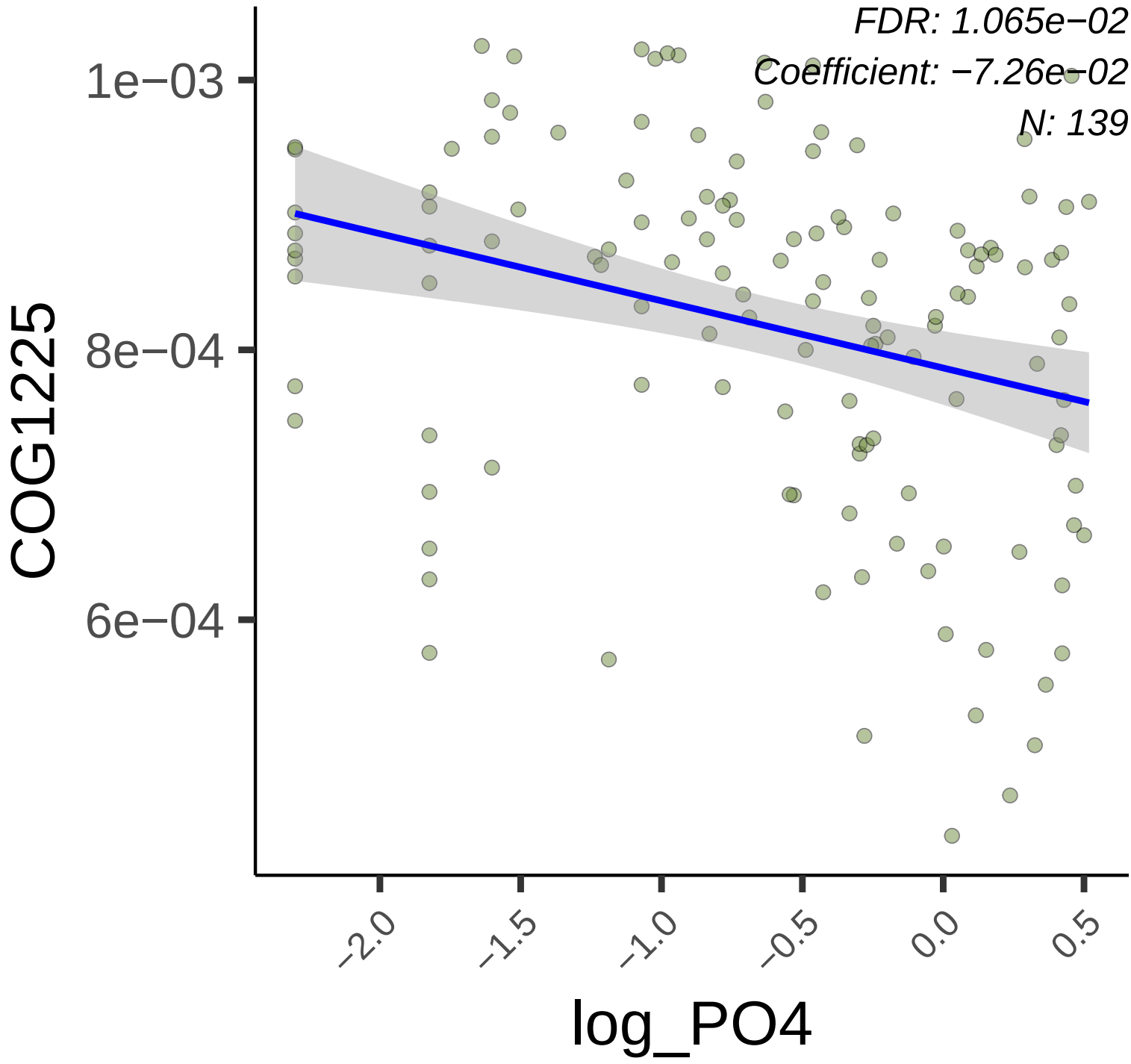
log_PO4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Coefficient: −7.26e−02
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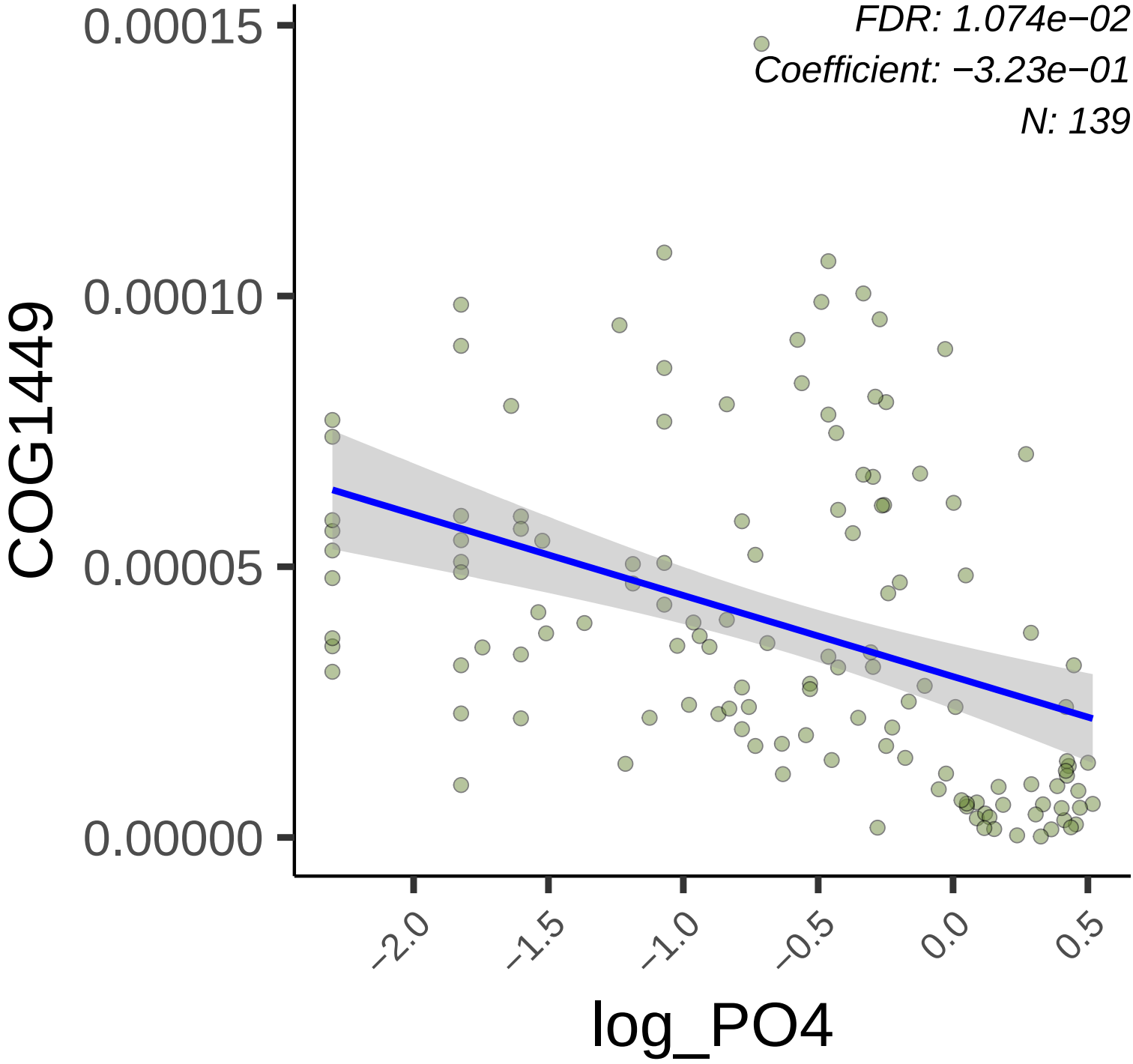
log_PO4


FDR: 1.074e−02
Coefficient: −3.23e−01
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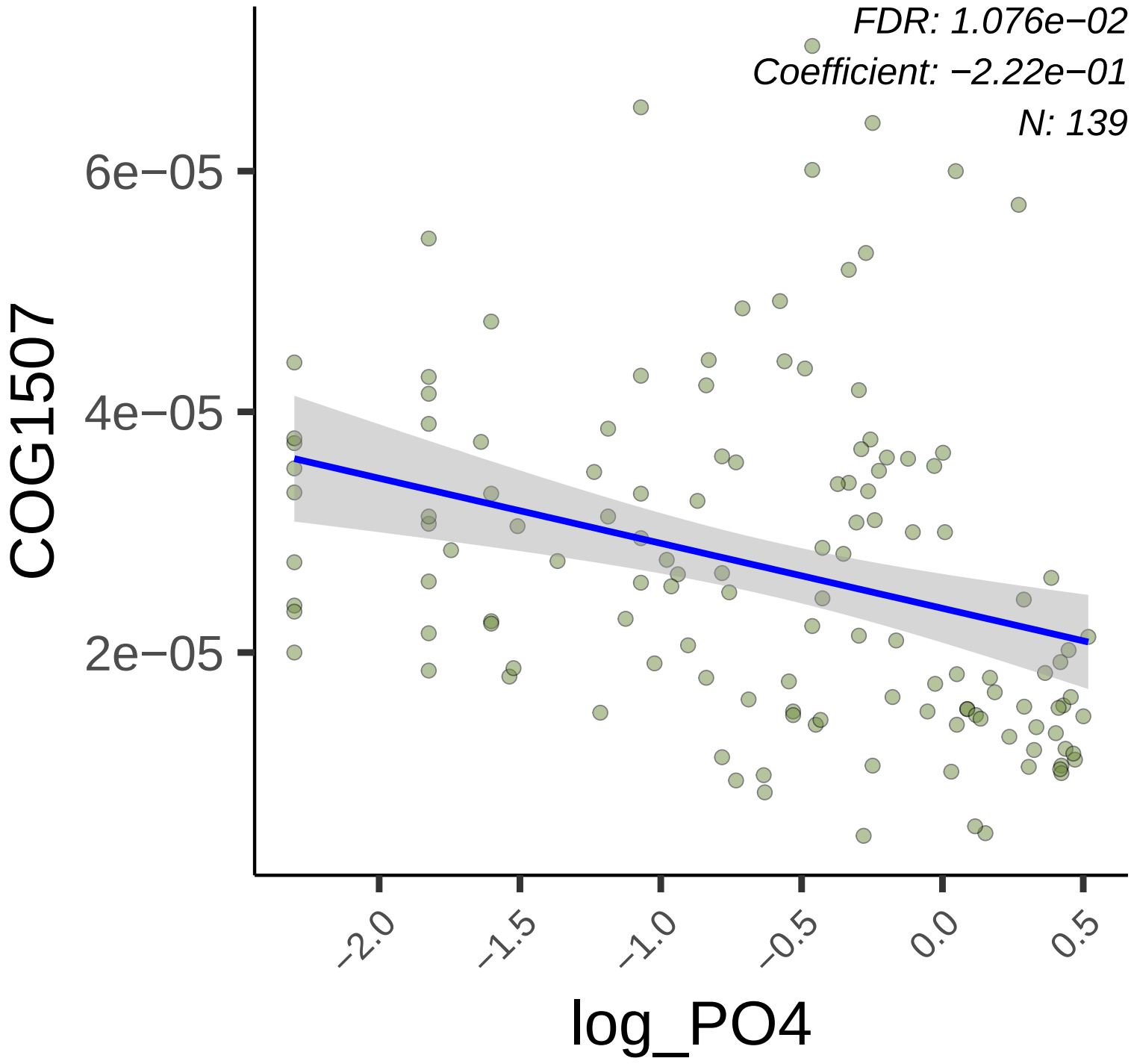
log_PO4


FDR: 1.076e−02
Coefficient: −2.22e−01
N: 139
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COG1507
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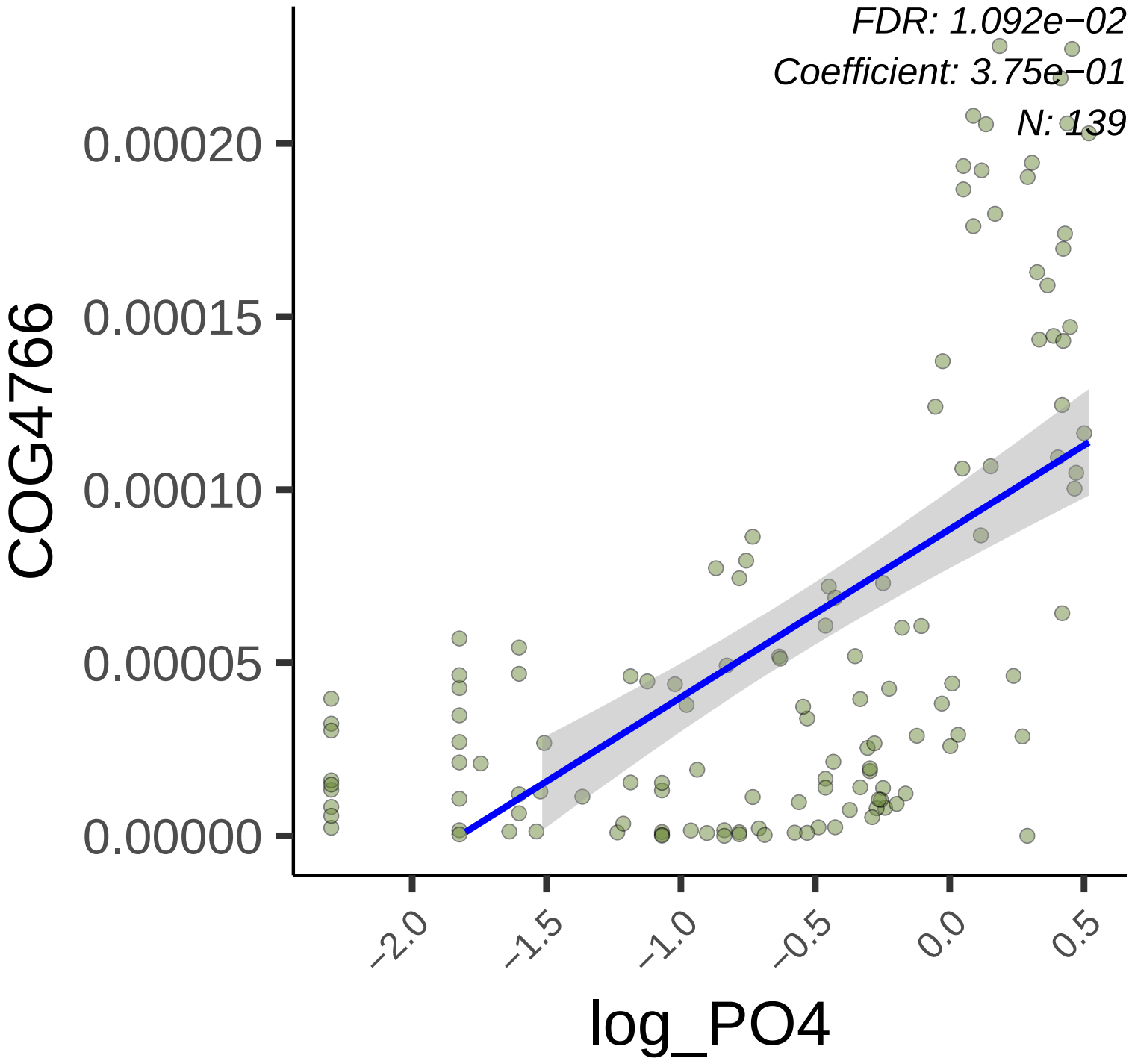
log_PO4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Coefficient: 3.75e−01
N: 139
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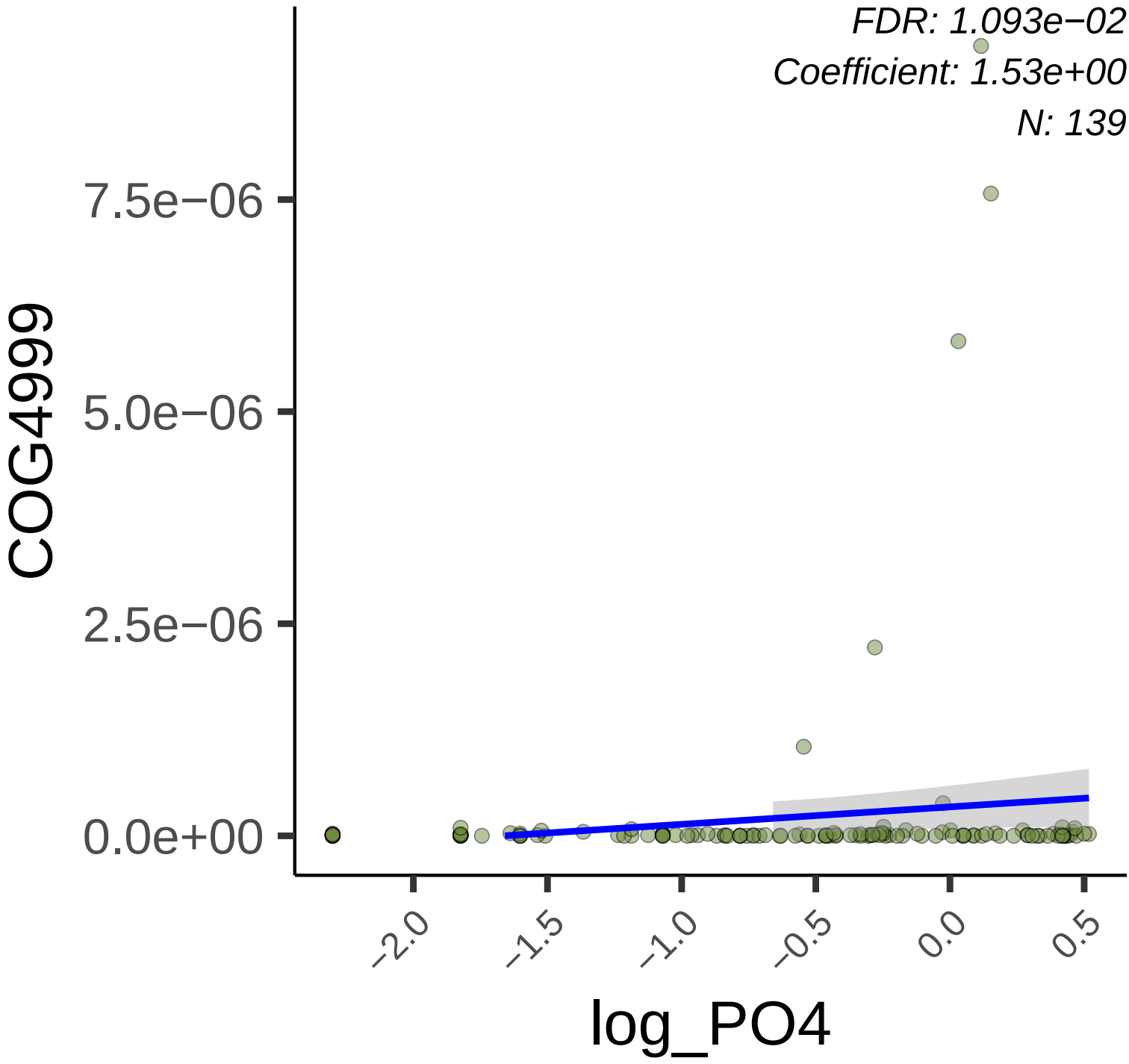
log_PO4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Coefficient: 1.53e+00
N: 139
COG4999
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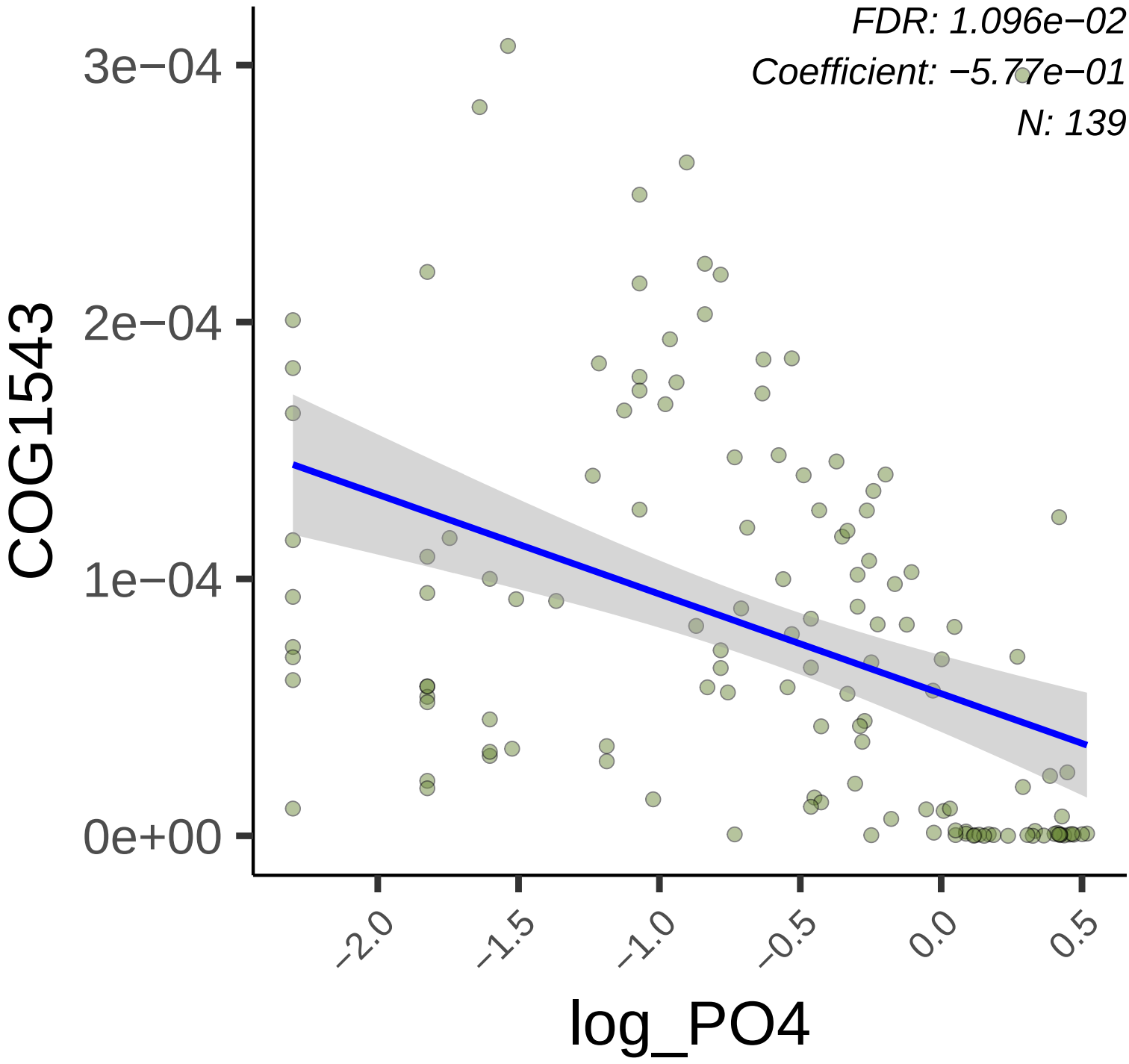
log_PO4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Coefficient: −5.77e−01
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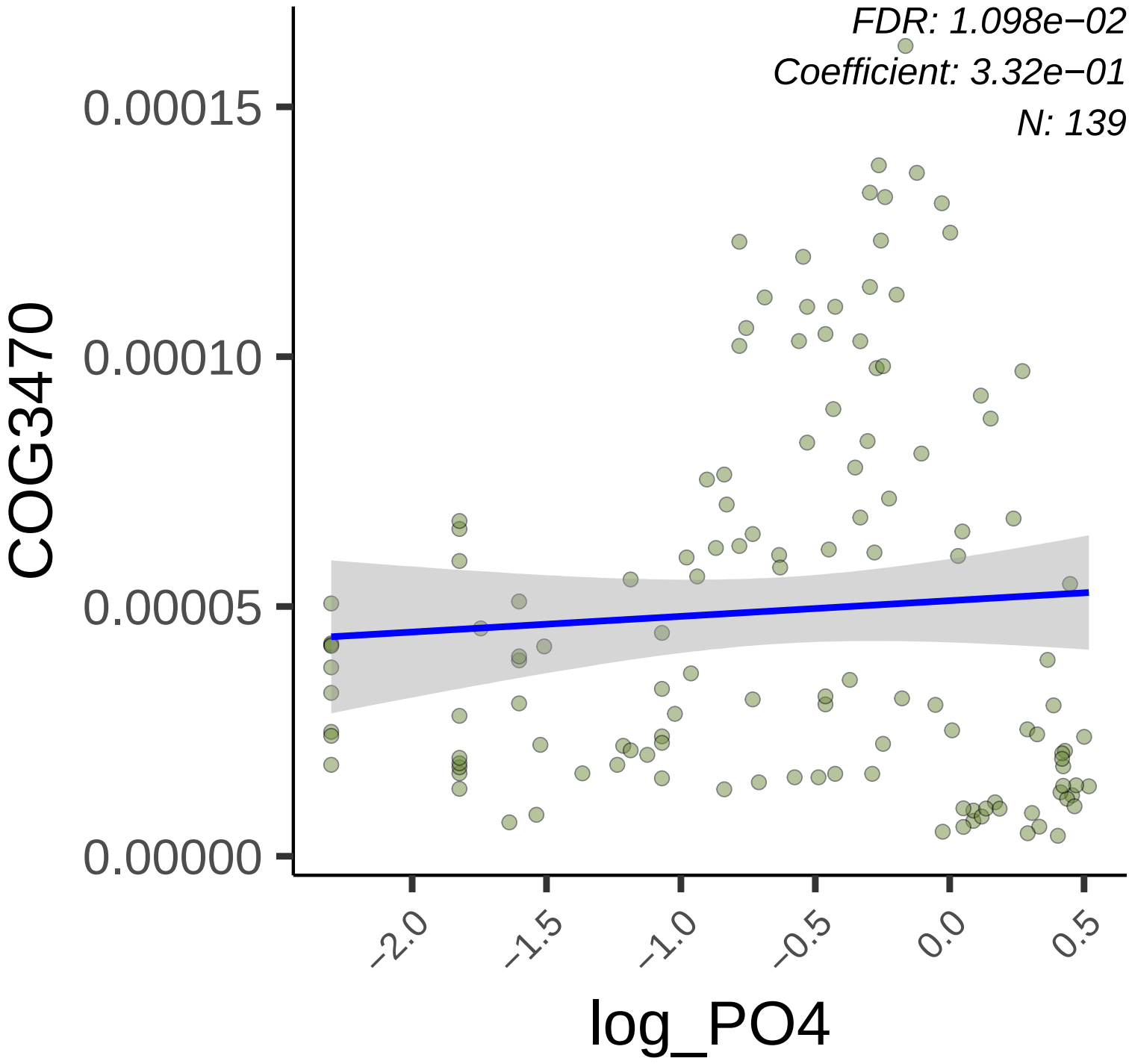
log_PO4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Coefficient: 3.32e−01
N: 139
COG3470
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−1.5
−1.0
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0.0
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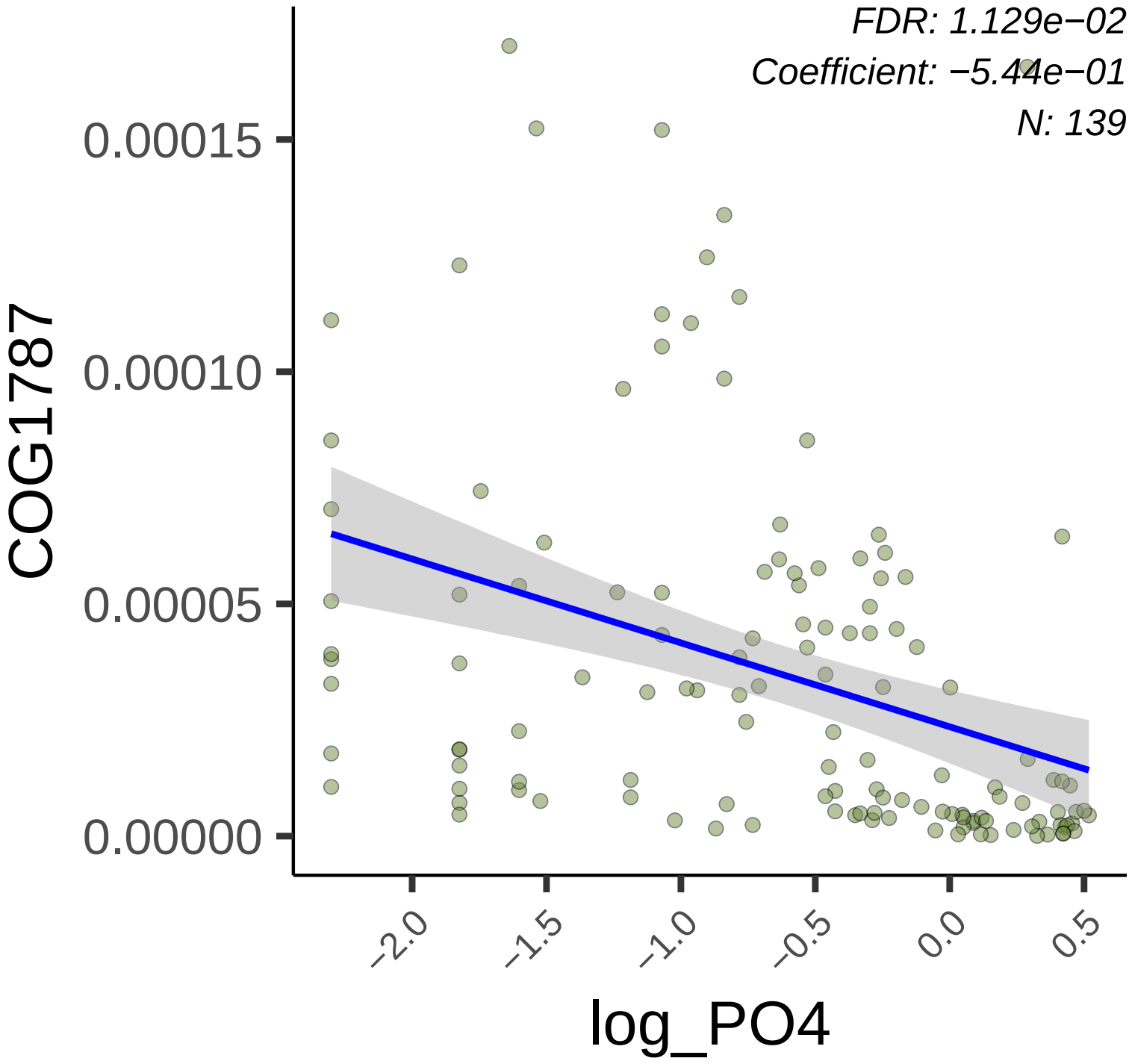
log_PO4


FDR: 1.129e−02
Coefficient: −5.44e−01
N: 139
COG1787
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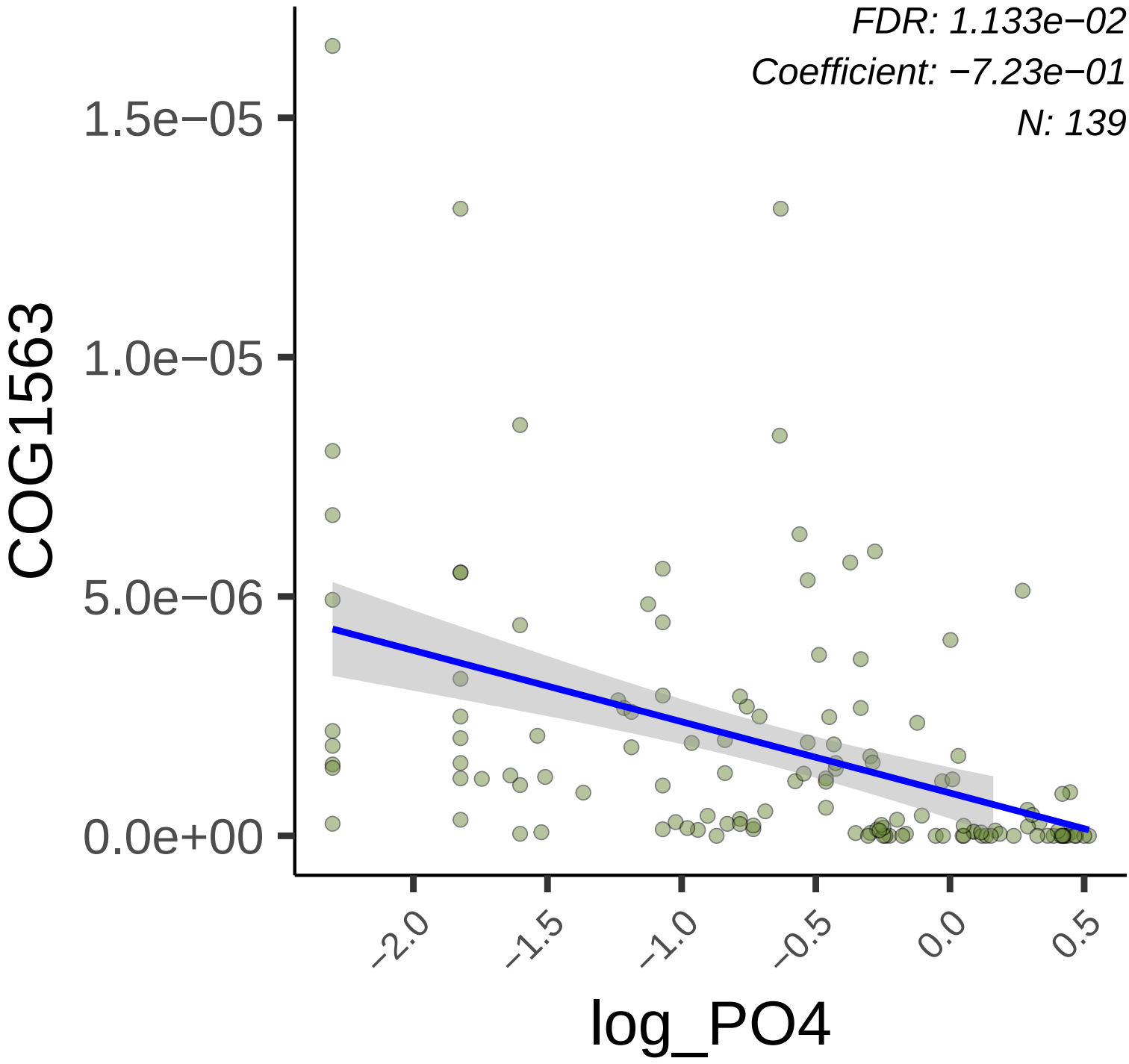
log_PO4


FDR: 1.133e−02
Coefficient: −7.23e−01
N: 139
COG1563
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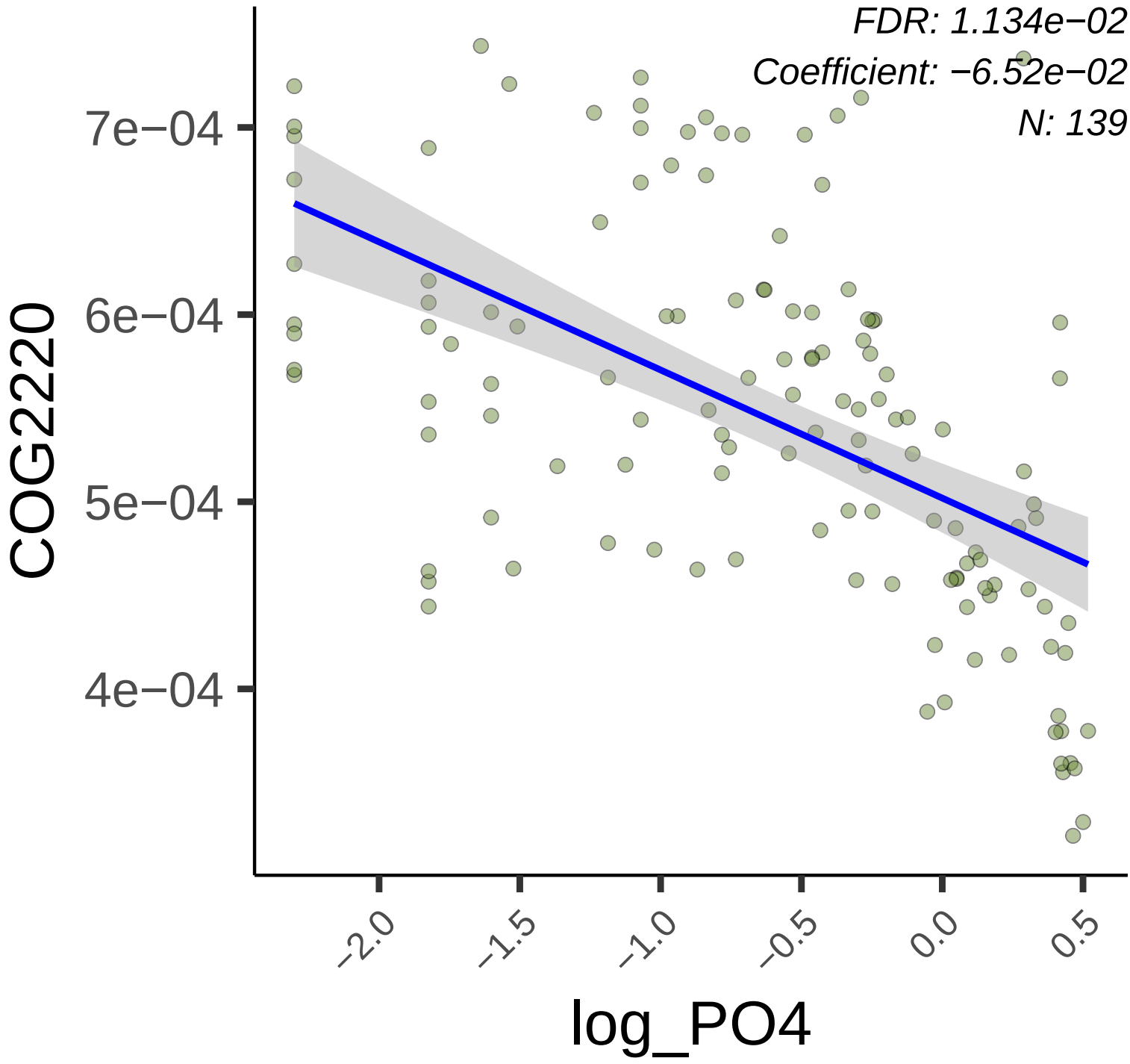
log_PO4


FDR: 1.134e−02
Coefficient: −6.52e−02
N: 139
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COG2220
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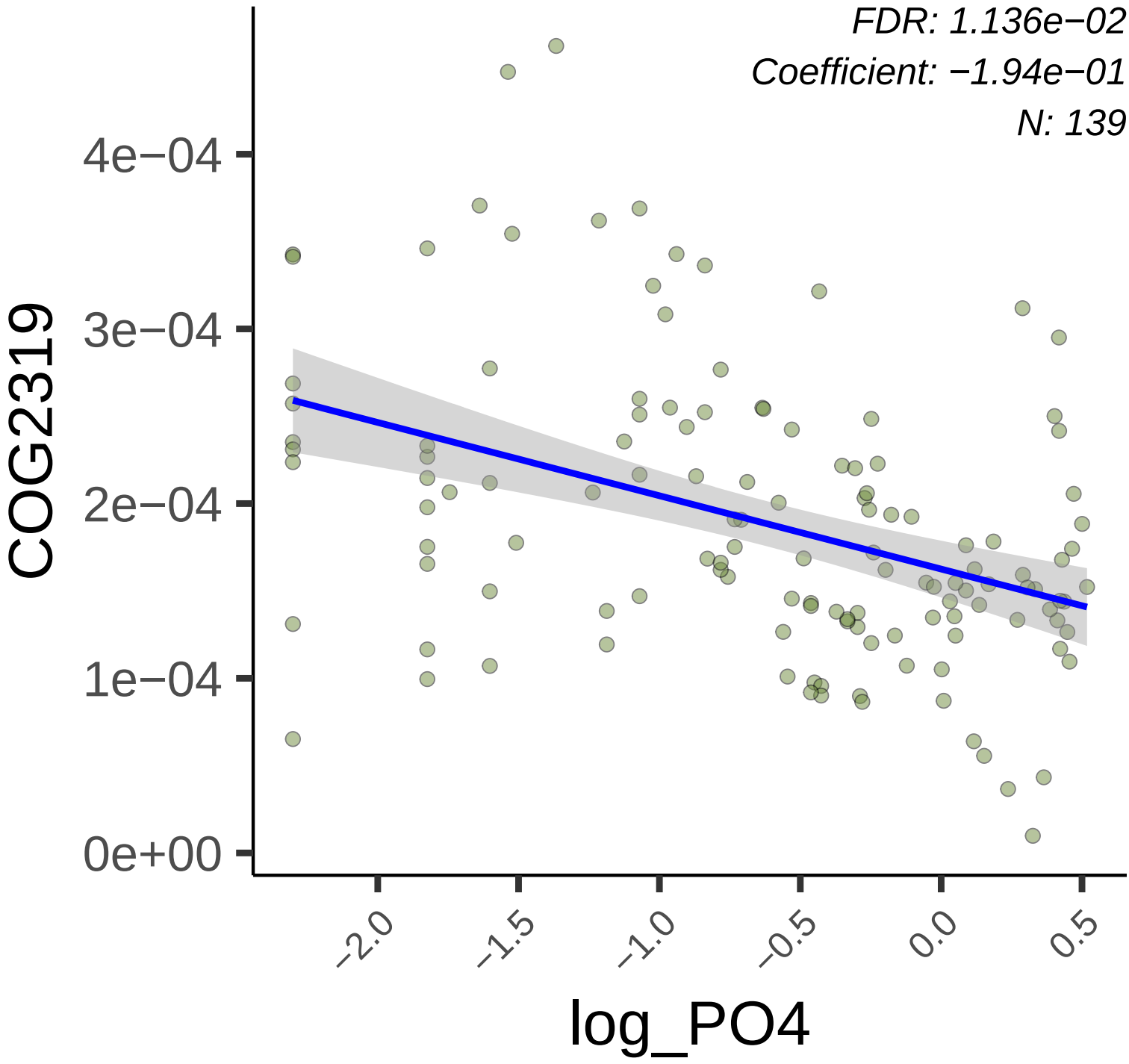
log_PO4


FDR: 1.136e−02
Coefficient: −1.94e−01
N: 139
COG2319
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−1.5
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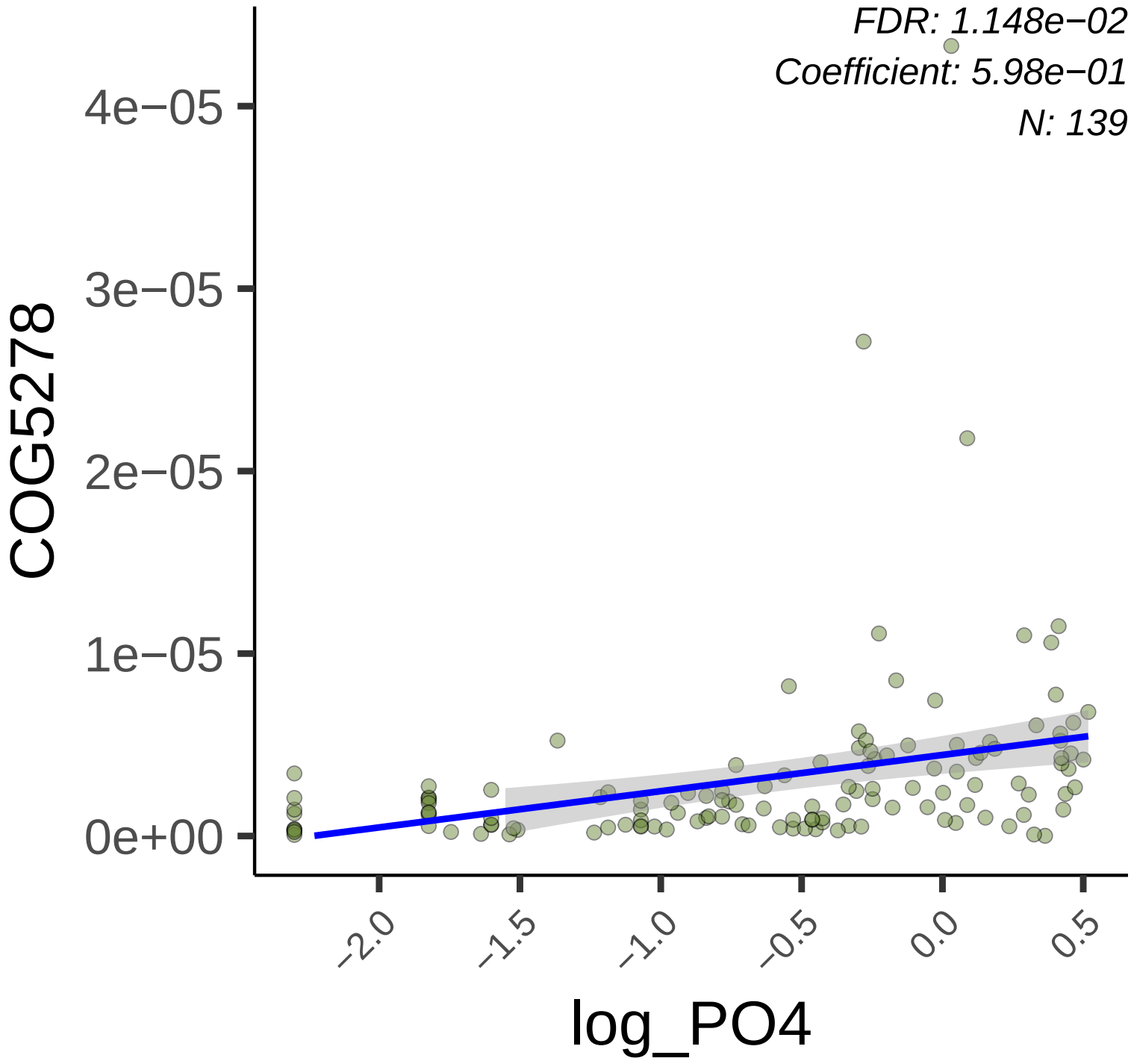
0.5
log_PO4


FDR: 1.148e−02
Coefficient: 5.98e−01
N: 139
COG5278
4e−05
3e−05
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0e+00
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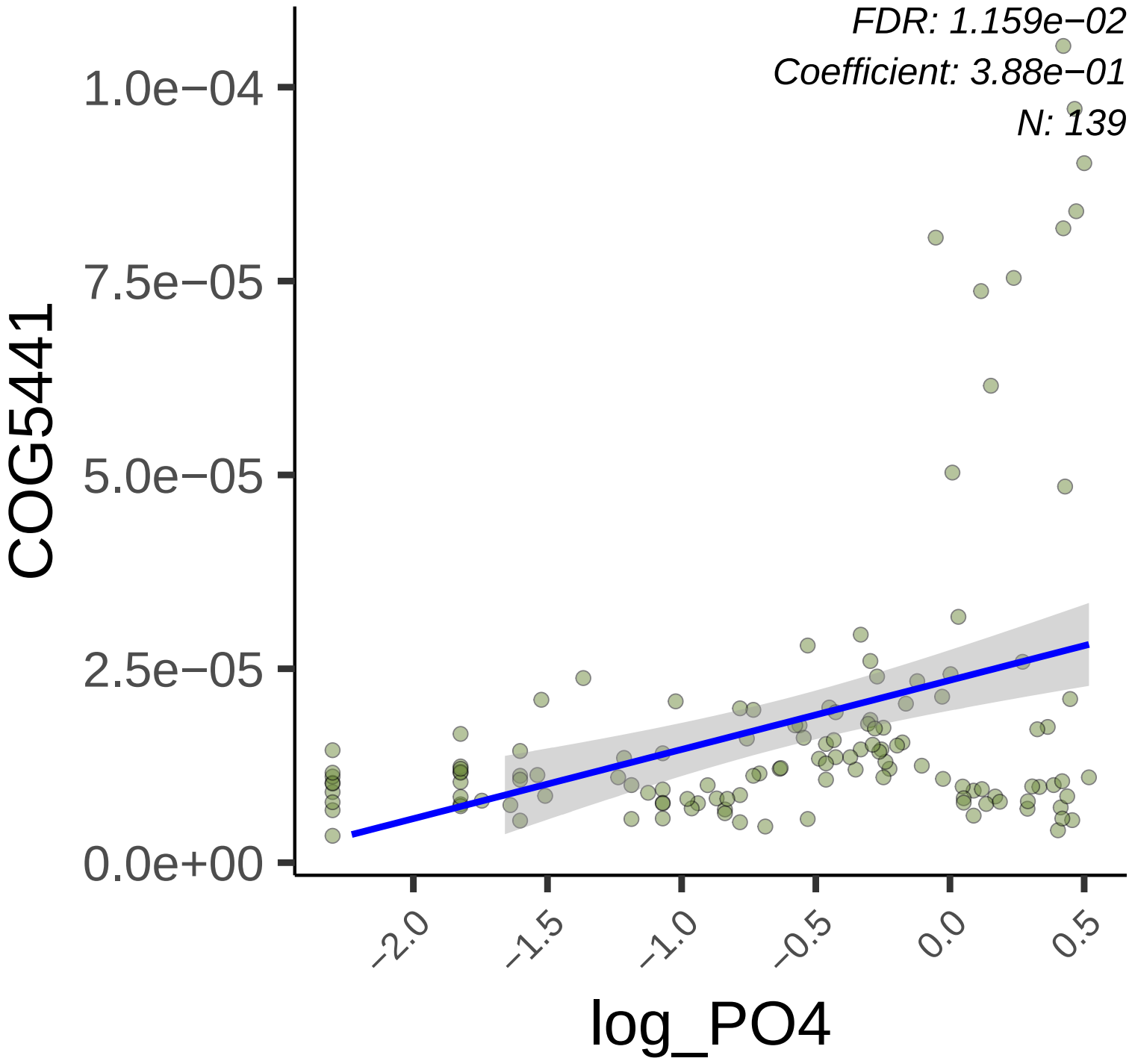
log_PO4


FDR: 1.159e−02
Coefficient: 3.88e−01
N: 139
COG5441
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7.5e−05
5.0e−05
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0.0e+00
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−1.5
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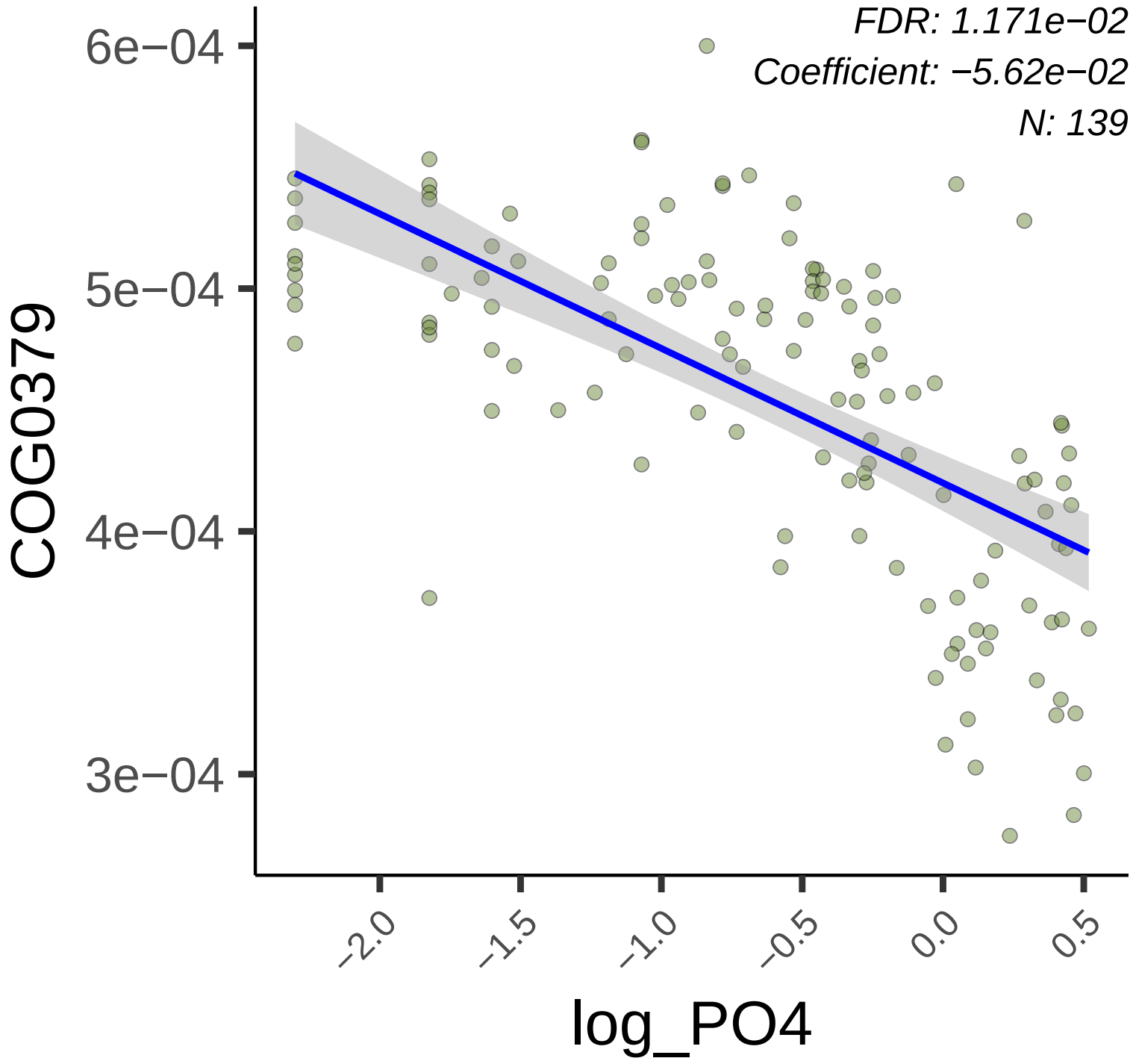
log_PO4


FDR: 1.171e−02
Coefficient: −5.62e−02
N: 139
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5e−04
4e−04
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COG0379
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−1.0
−0.5
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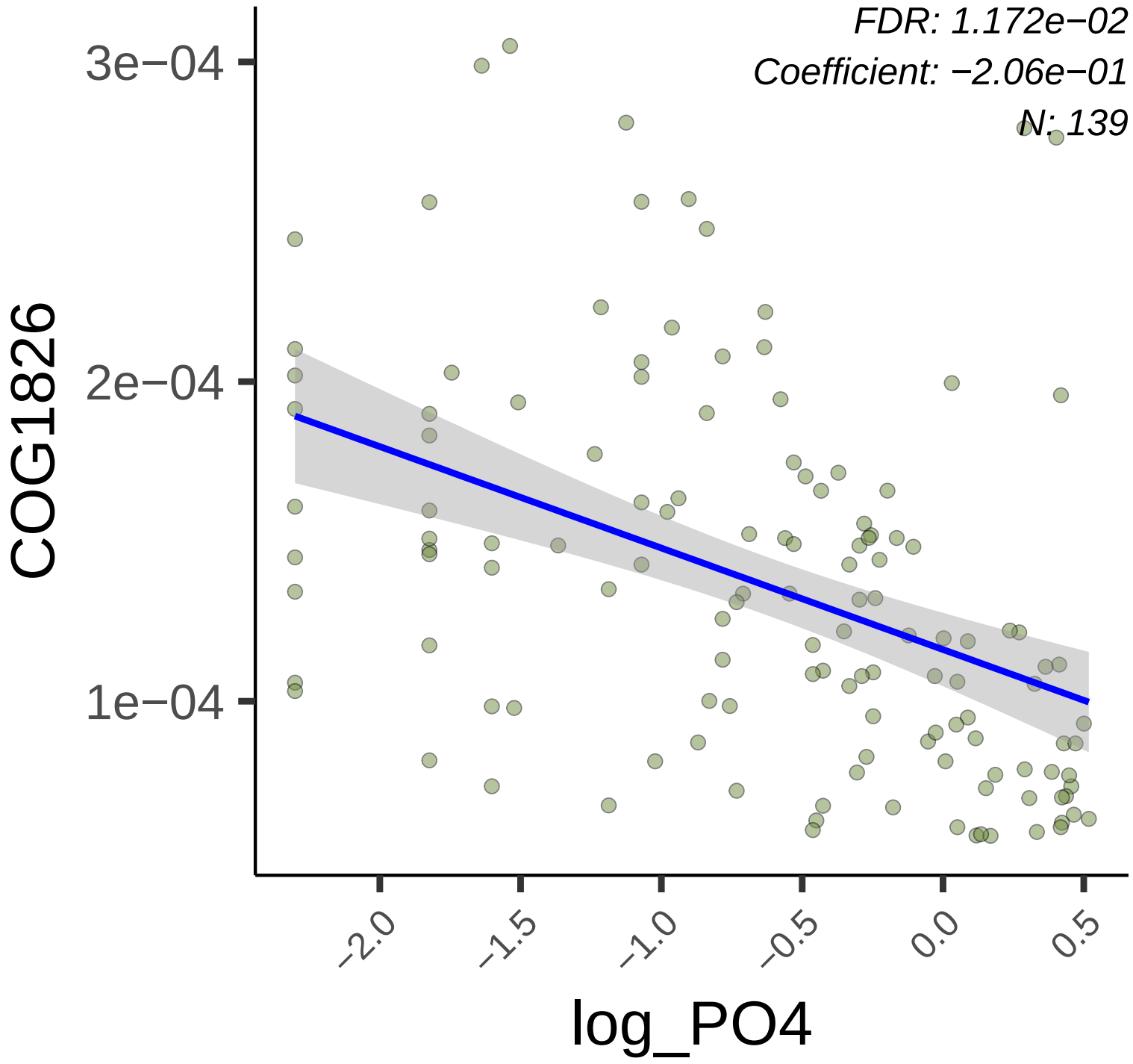
0.5
log_PO4


FDR: 1.172e−02
Coefficient: −2.06e−01
N: 139
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2e−04
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COG1826
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−1.5
−1.0
−0.5
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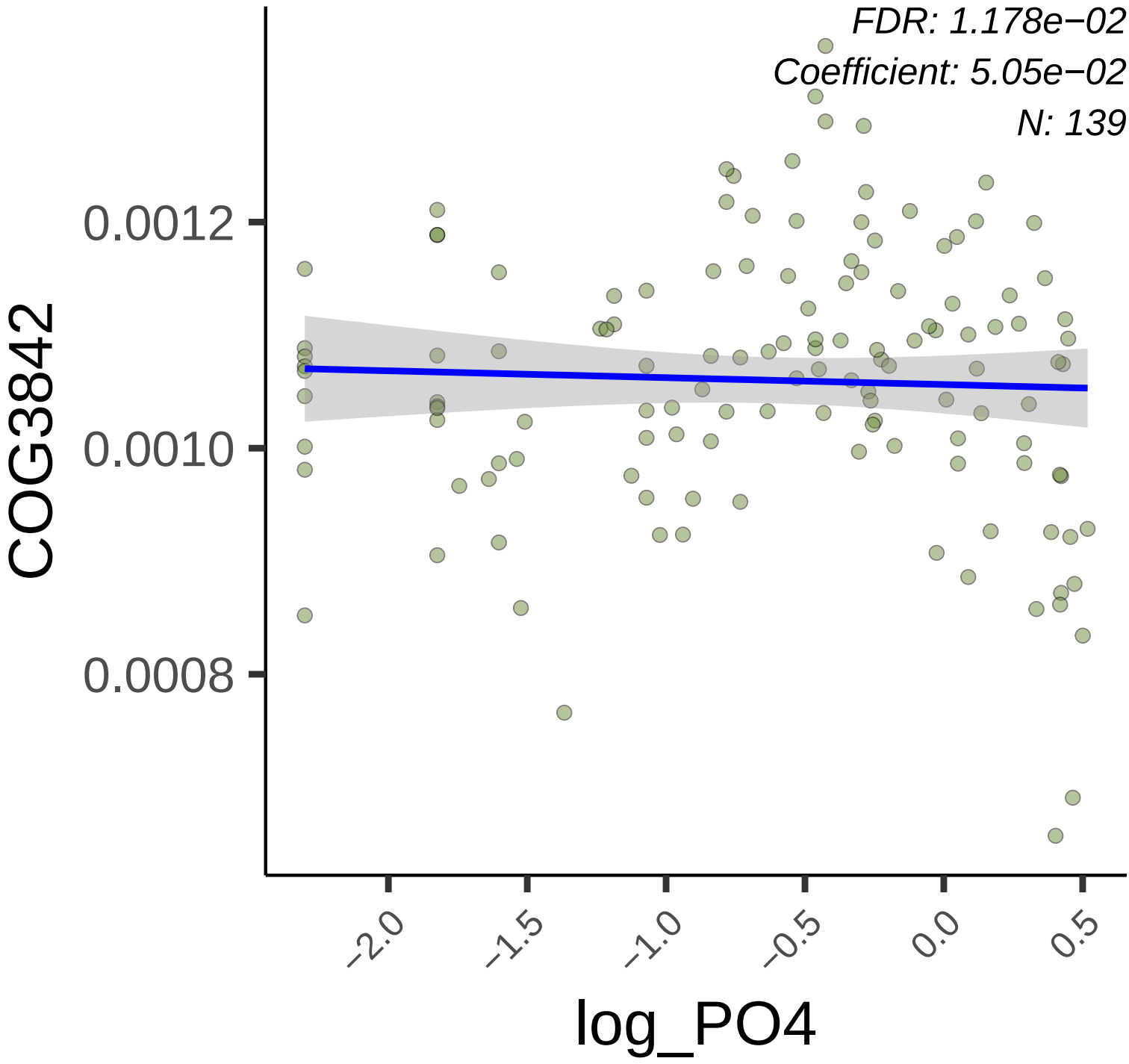
0.5
log_PO4


FDR: 1.178e−02
Coefficient: 5.05e−02
N: 139
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0.0008
COG3842
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−1.5
−1.0
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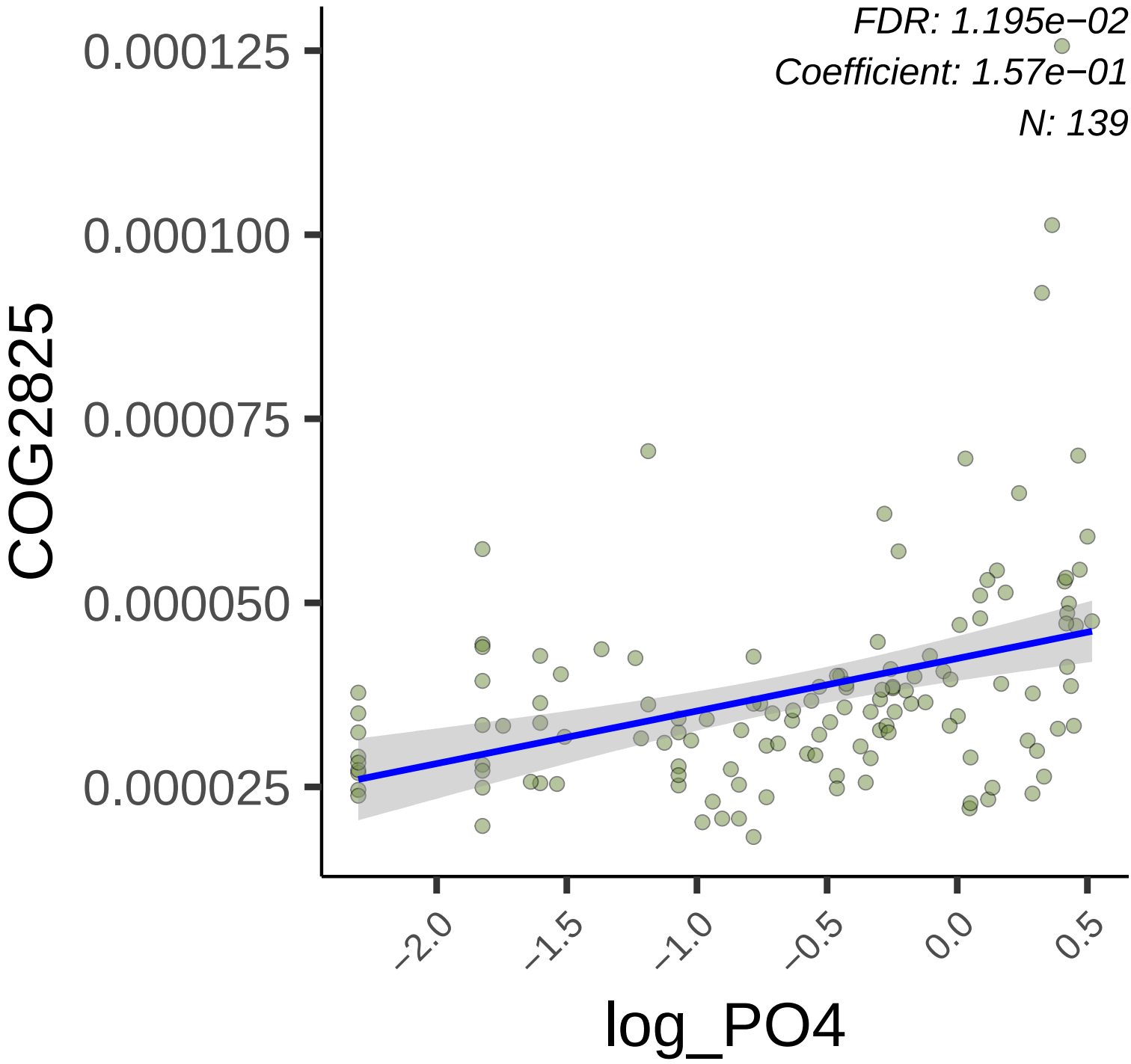
log_PO4


FDR: 1.195e−02
Coefficient: 1.57e−01
N: 139
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0.000050
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COG2825
−2.0
−1.5
−1.0
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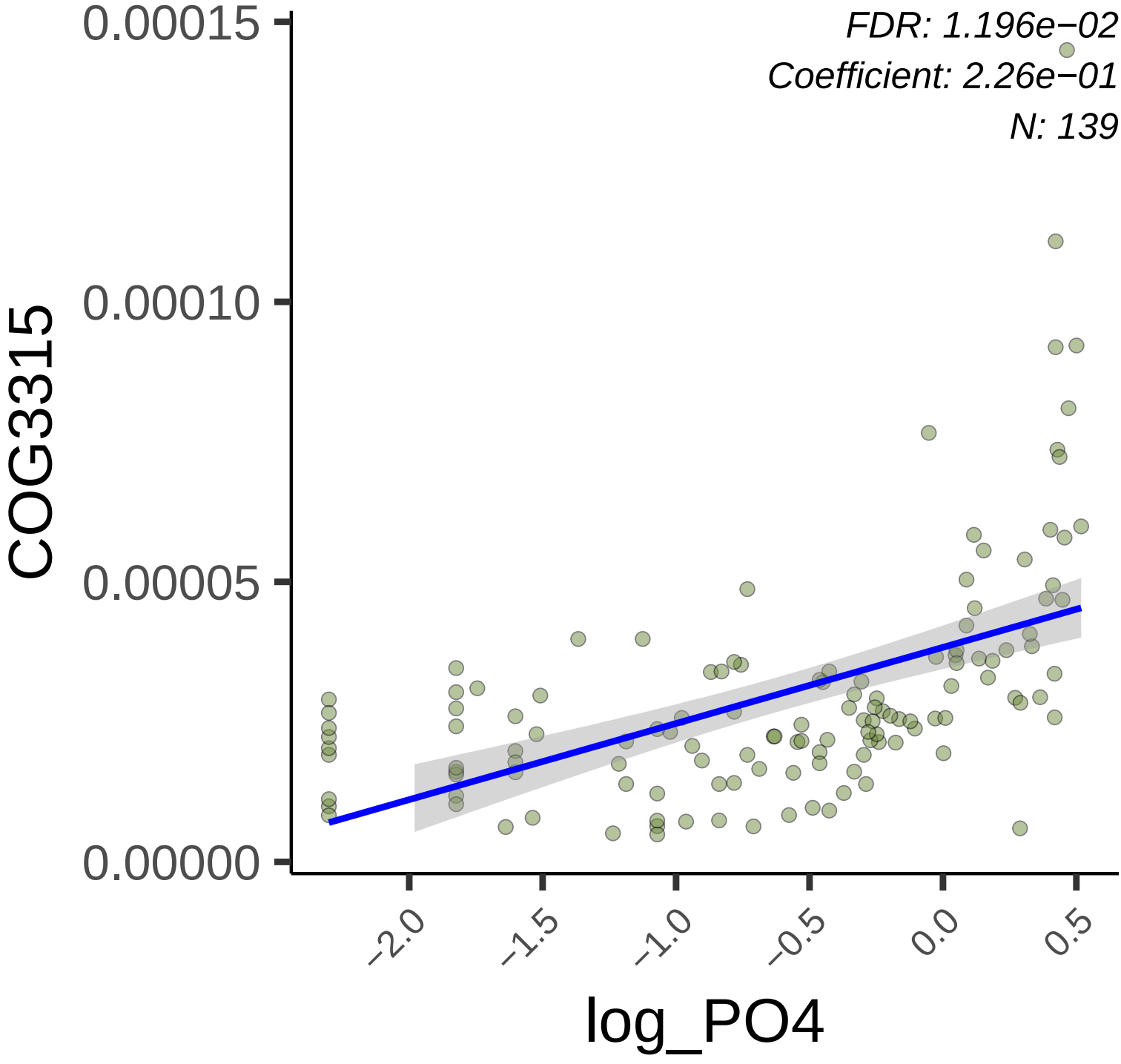
0.0
0.5
log_PO4


FDR: 1.196e−02
Coefficient: 2.26e−01
N: 139
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0.00010
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COG3315
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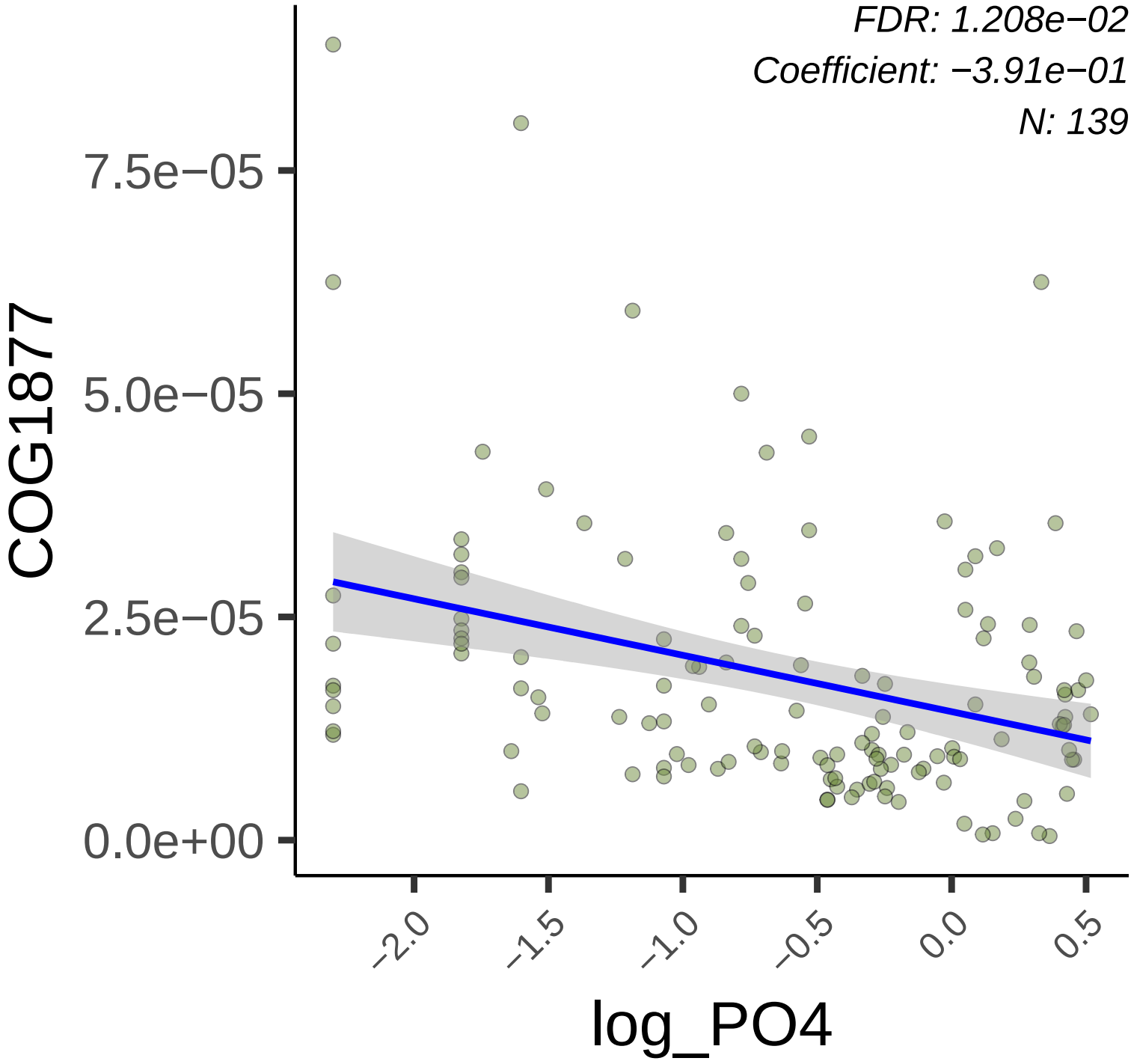
log_PO4


FDR: 1.208e−02
Coefficient: −3.91e−01
N: 139
7.5e−05
5.0e−05
2.5e−05
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COG1877
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−1.5
−1.0
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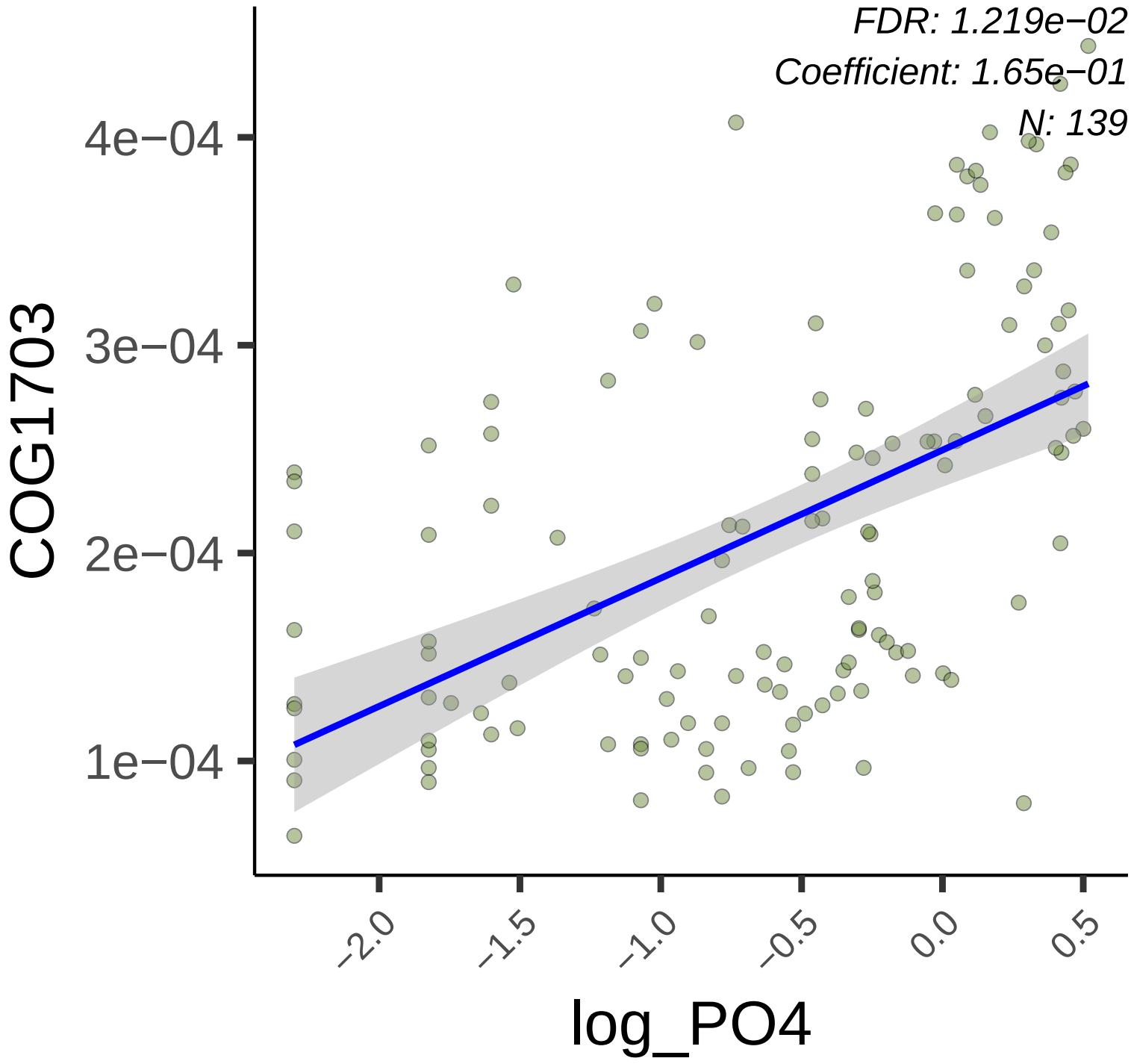
log_PO4


FDR: 1.219e−02
Coefficient: 1.65e−01
N: 139
COG1703
4e−04
3e−04
2e−04
1e−04
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−1.0
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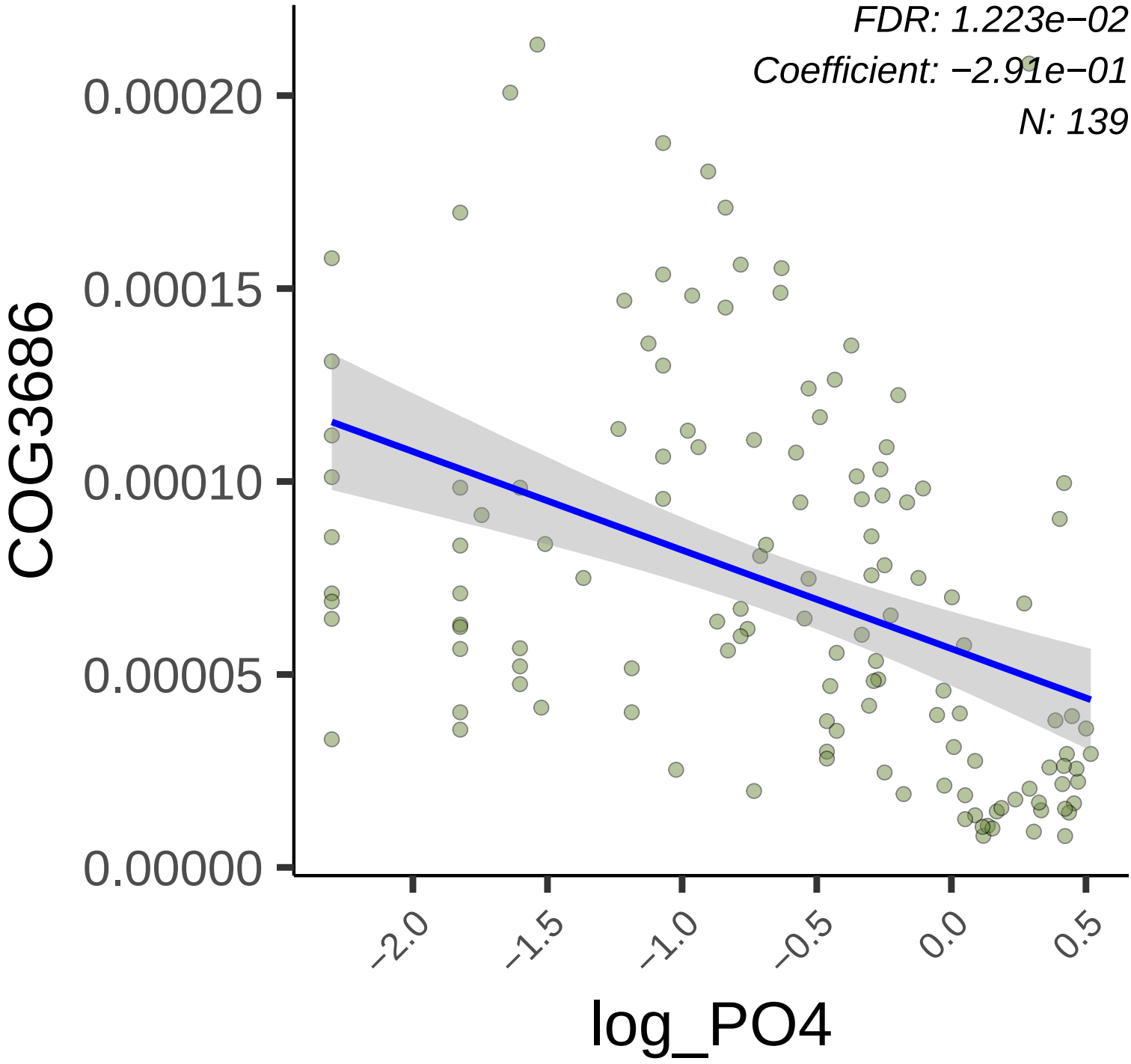
log_PO4


FDR: 1.223e−02
Coefficient: −2.91e−01
N: 139
COG3686
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0.00010
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0.00000
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−1.5
−1.0
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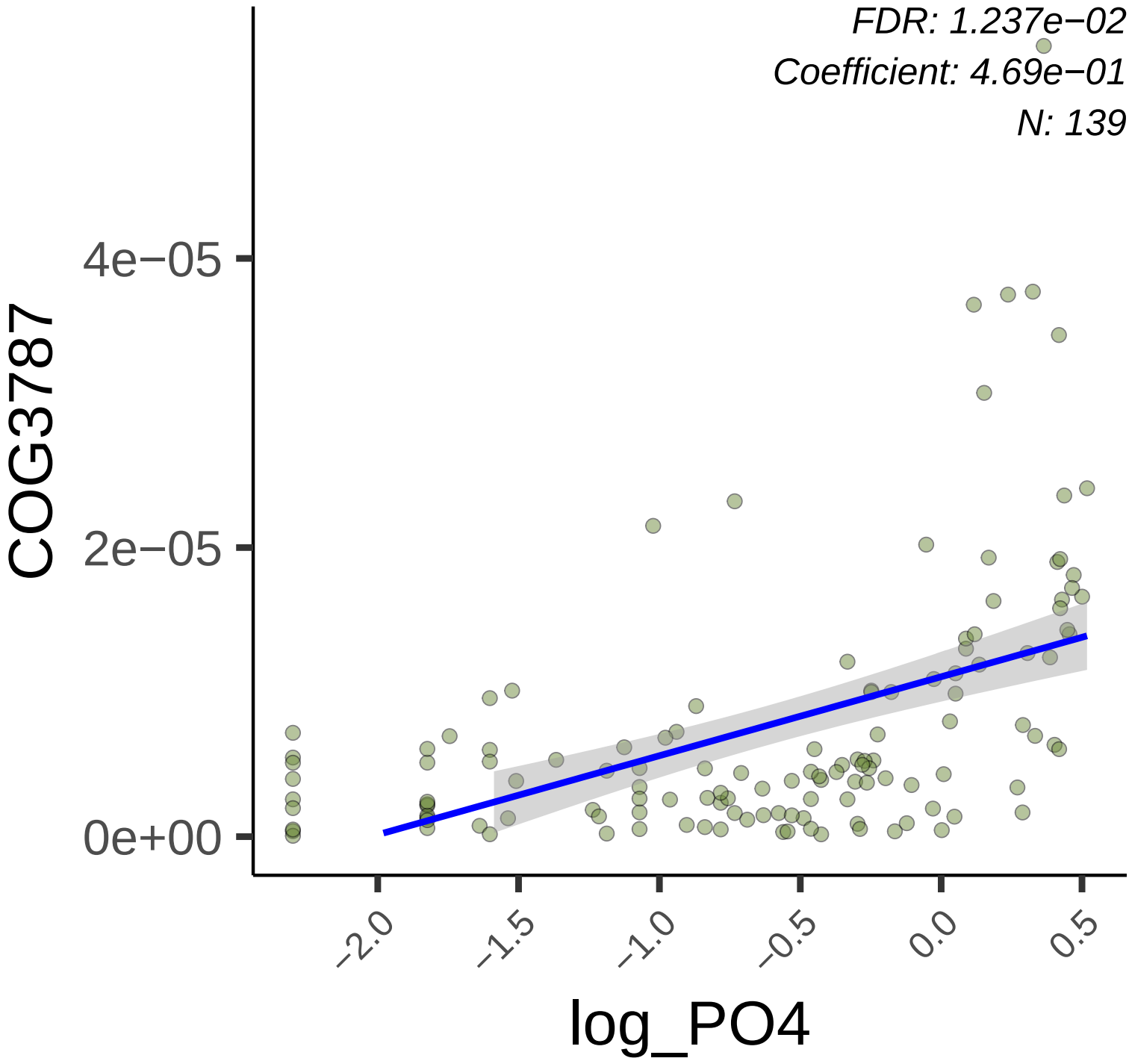
log_PO4


FDR: 1.237e−02
Coefficient: 4.69e−01
N: 139
COG3787
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2e−05
0e+00
−2.0
−1.5
−1.0
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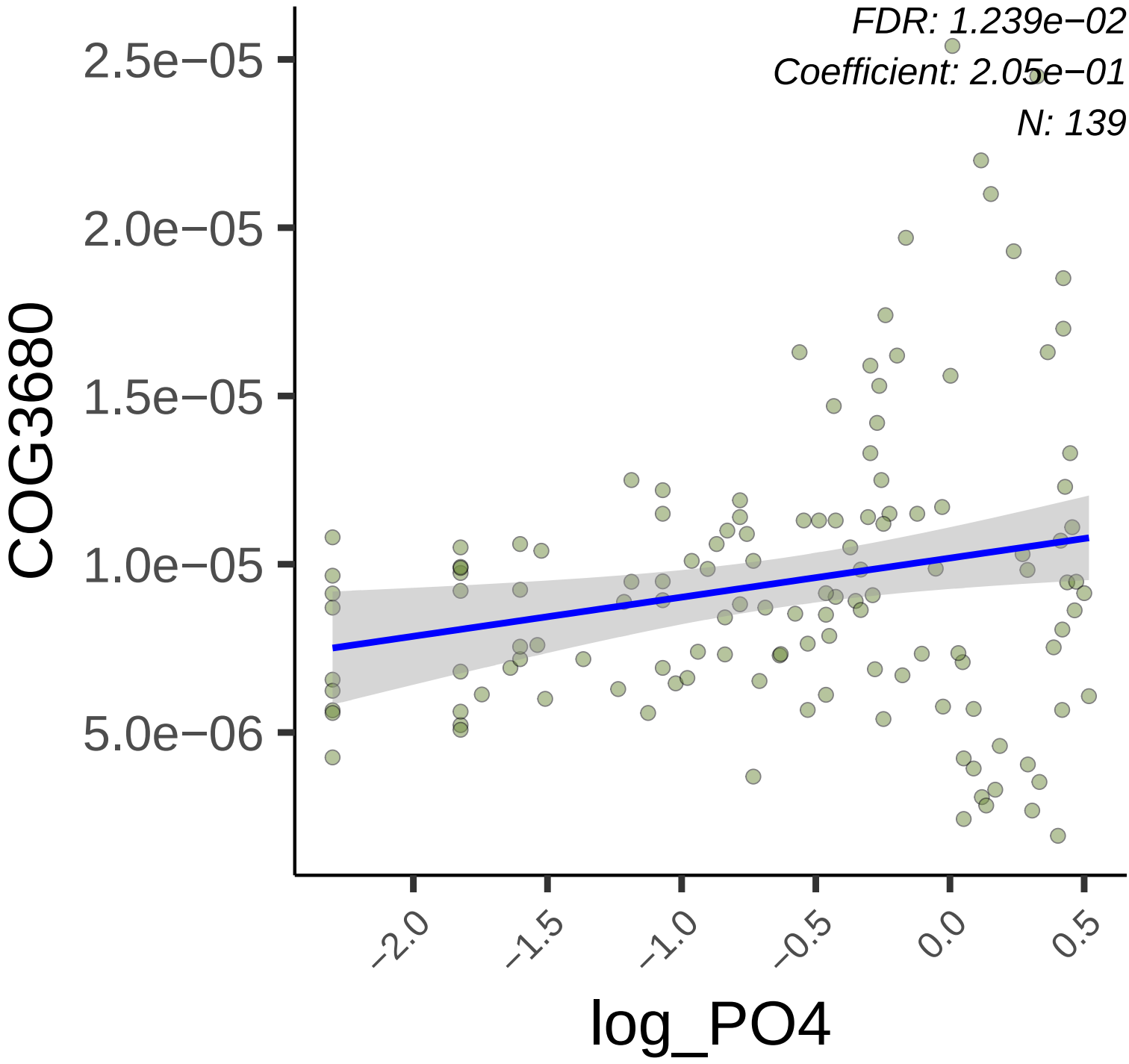
log_PO4


FDR: 1.239e−02
Coefficient: 2.05e−01
N: 139
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2.0e−05
1.5e−05
1.0e−05
5.0e−06
COG3680
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−1.5
−1.0
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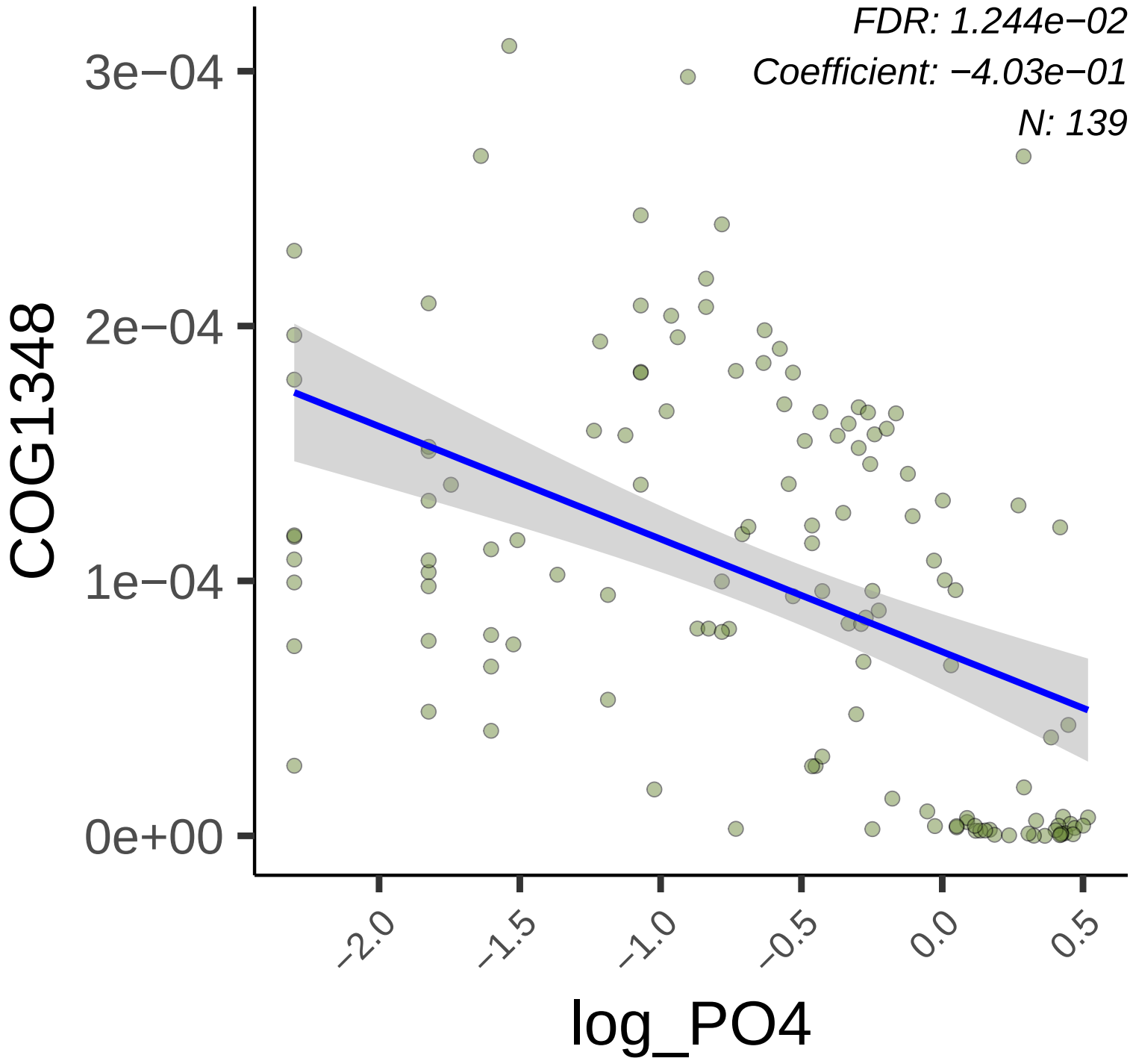
log_PO4


FDR: 1.244e−02
Coefficient: −4.03e−01
N: 139
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2e−04
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COG1348
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−1.5
−1.0
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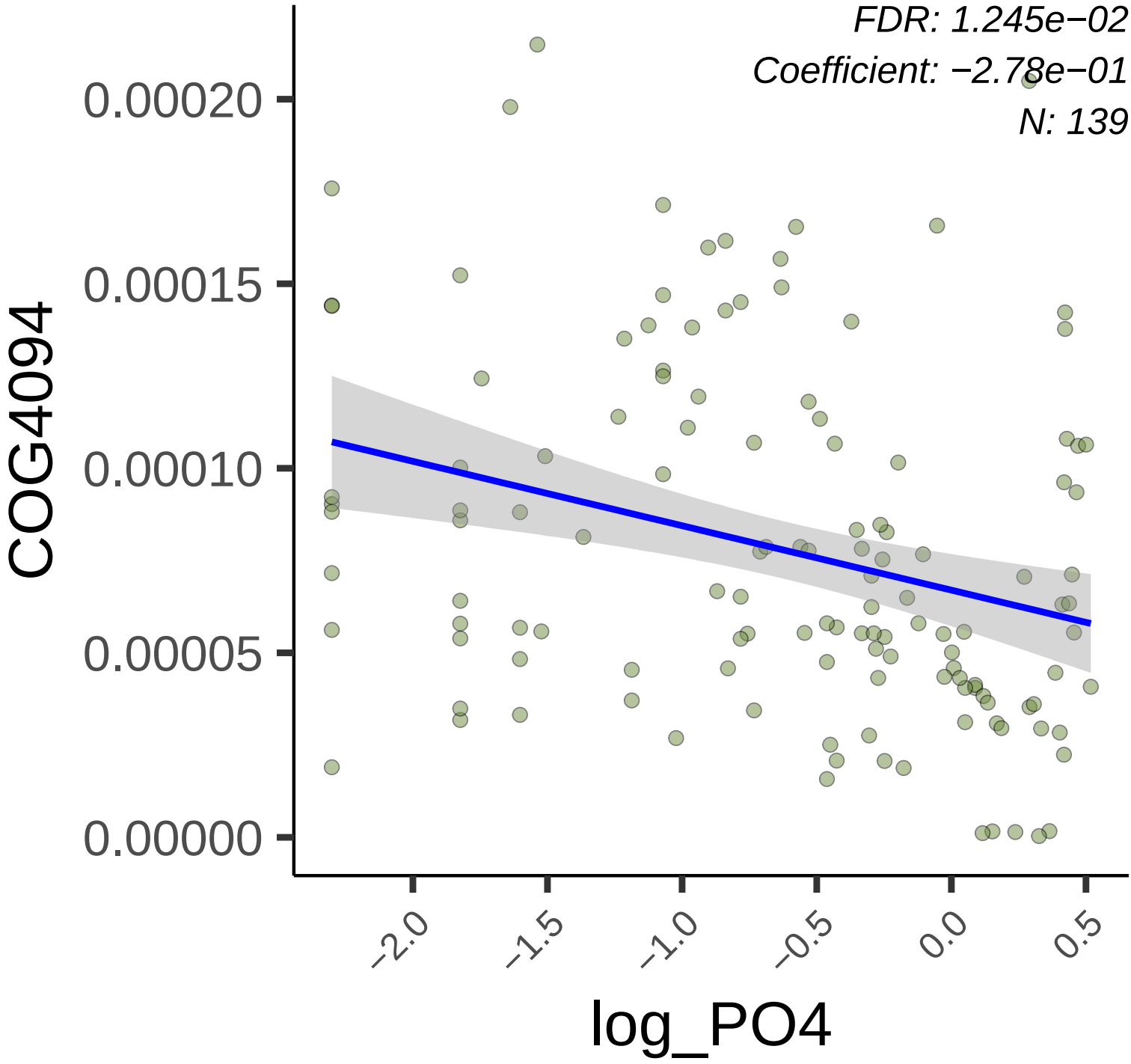
log_PO4


FDR: 1.245e−02
Coefficient: −2.78e−01
N: 139
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0.00015
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0.00005
0.00000
COG4094
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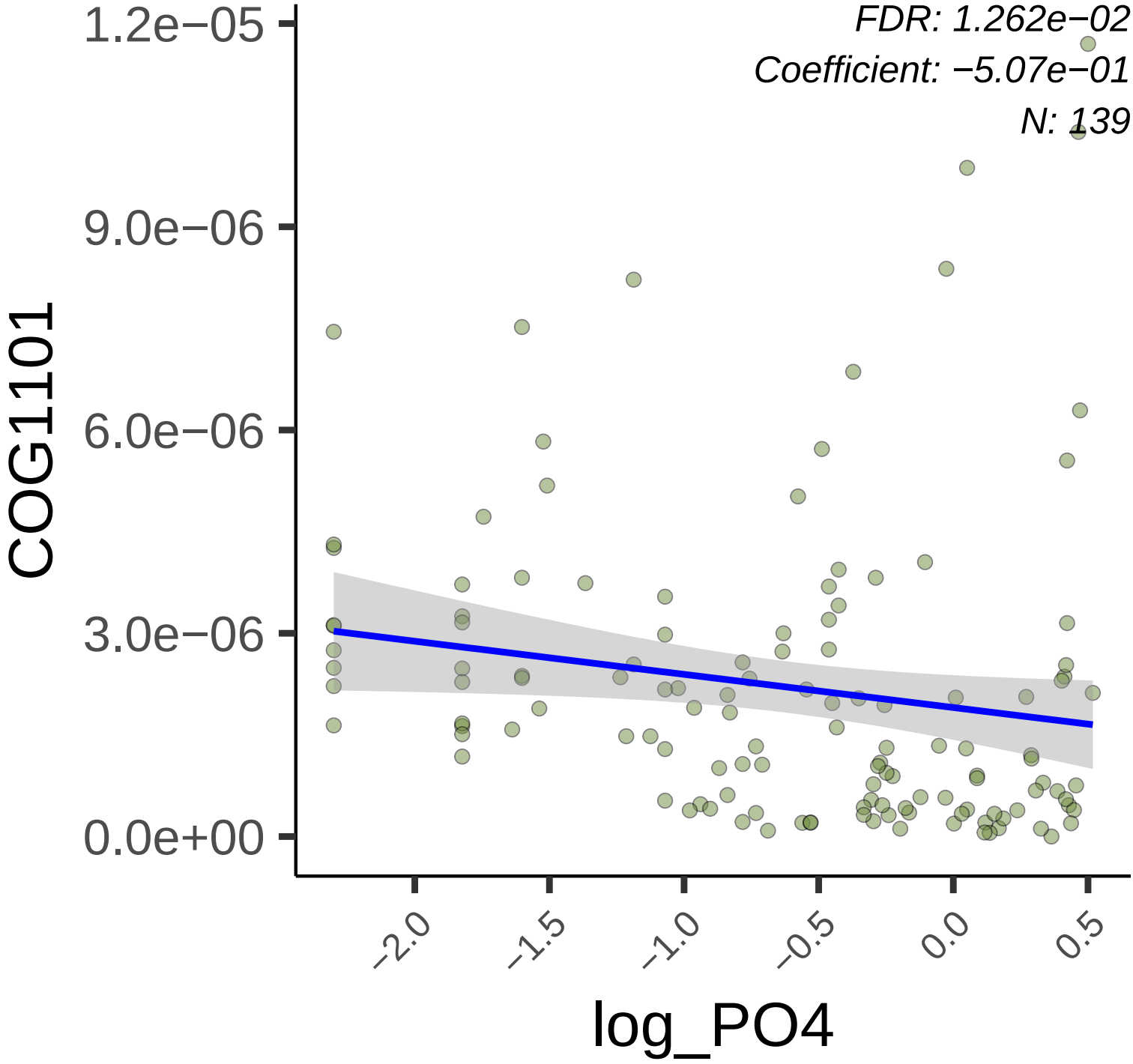
−1.5
−1.0
−0.5
0.0
0.5
log_PO4


FDR: 1.262e−02
Coefficient: −5.07e−01
N: 139
1.2e−05
9.0e−06
6.0e−06
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COG1101
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−1.5
−1.0
−0.5
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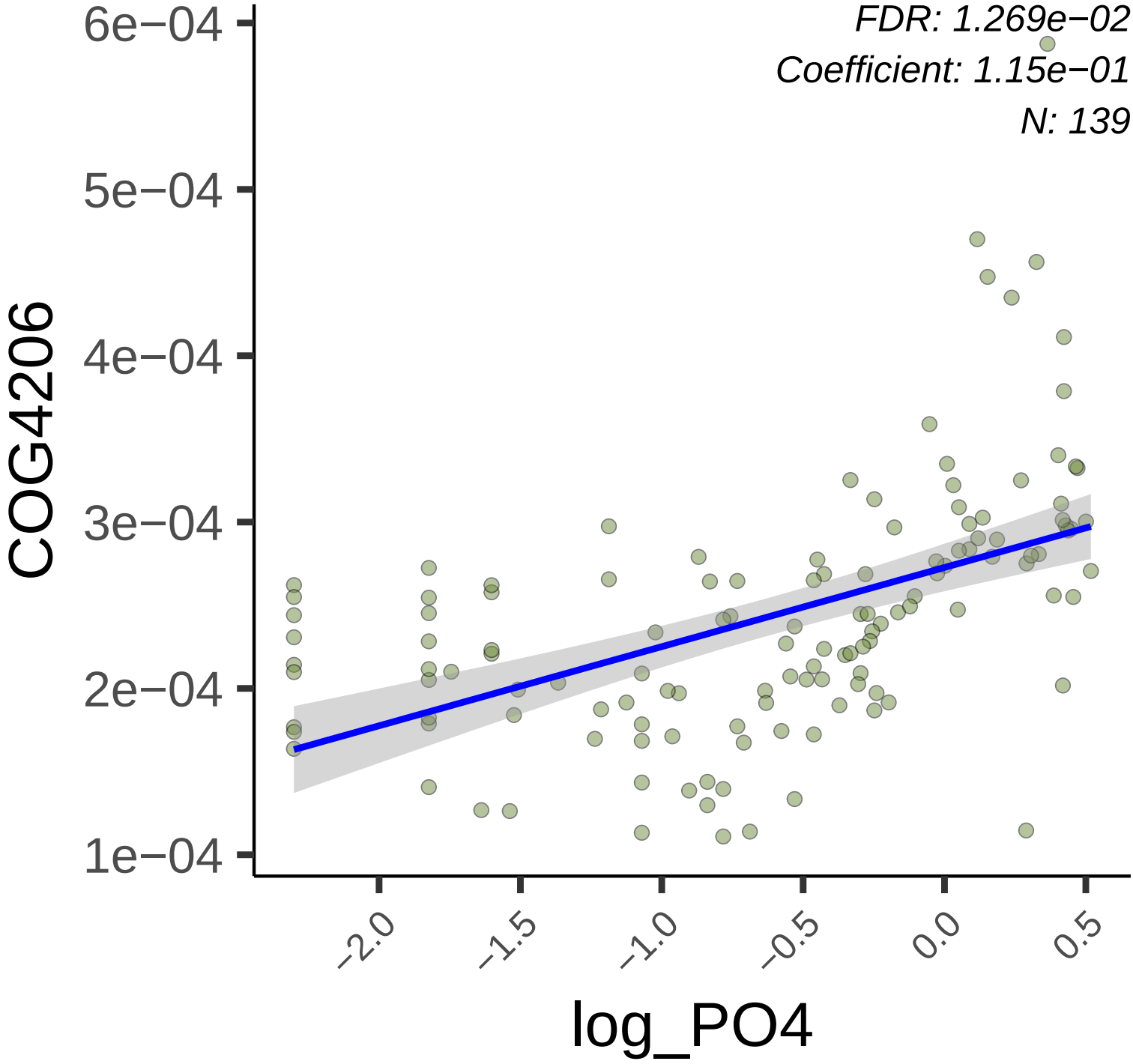
log_PO4


FDR: 1.269e−02
Coefficient: 1.15e−01
N: 139
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5e−04
4e−04
3e−04
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COG4206
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−1.5
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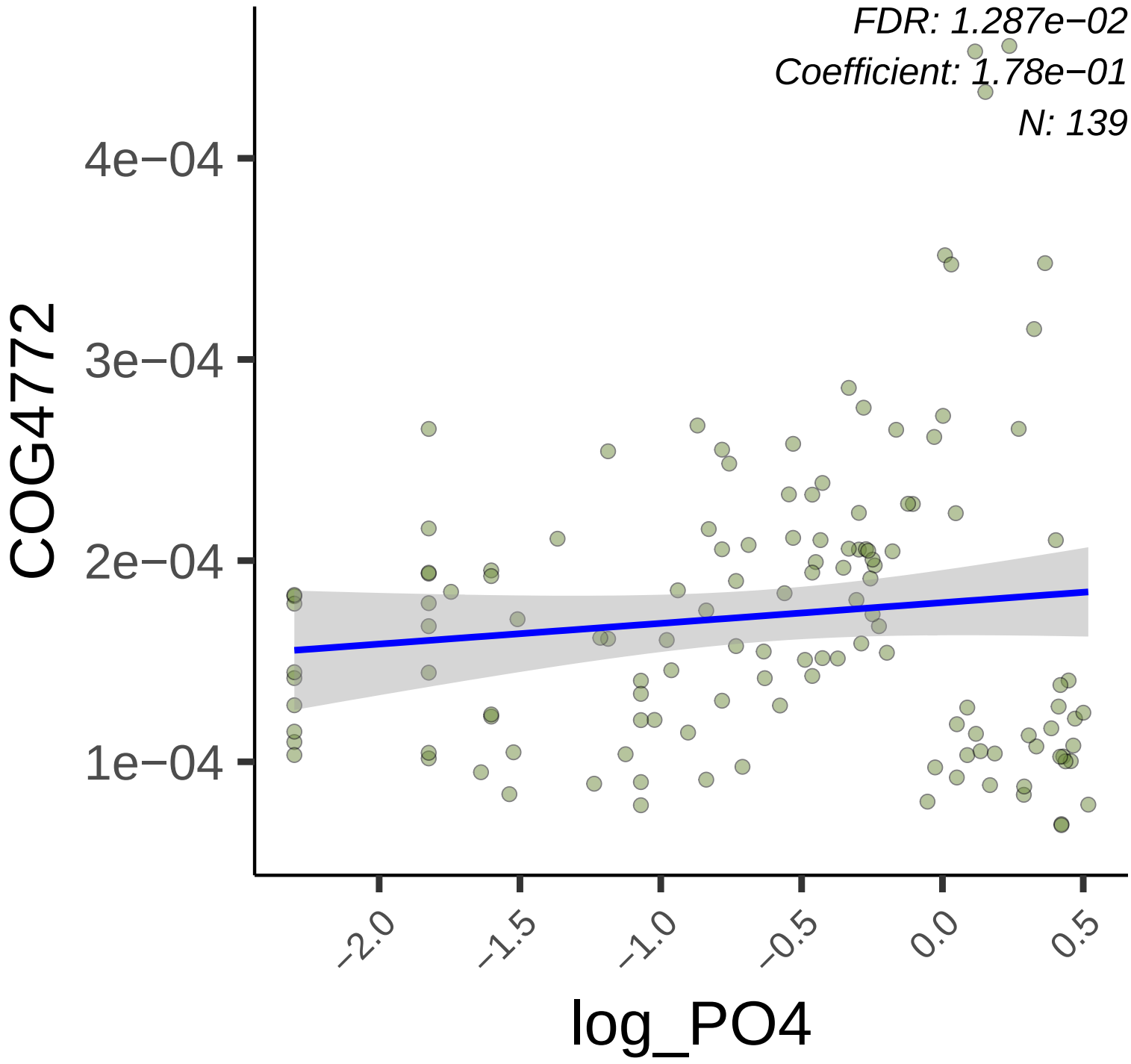
log_PO4


FDR: 1.287e−02
Coefficient: 1.78e−01
N: 139
COG4772
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1e−04
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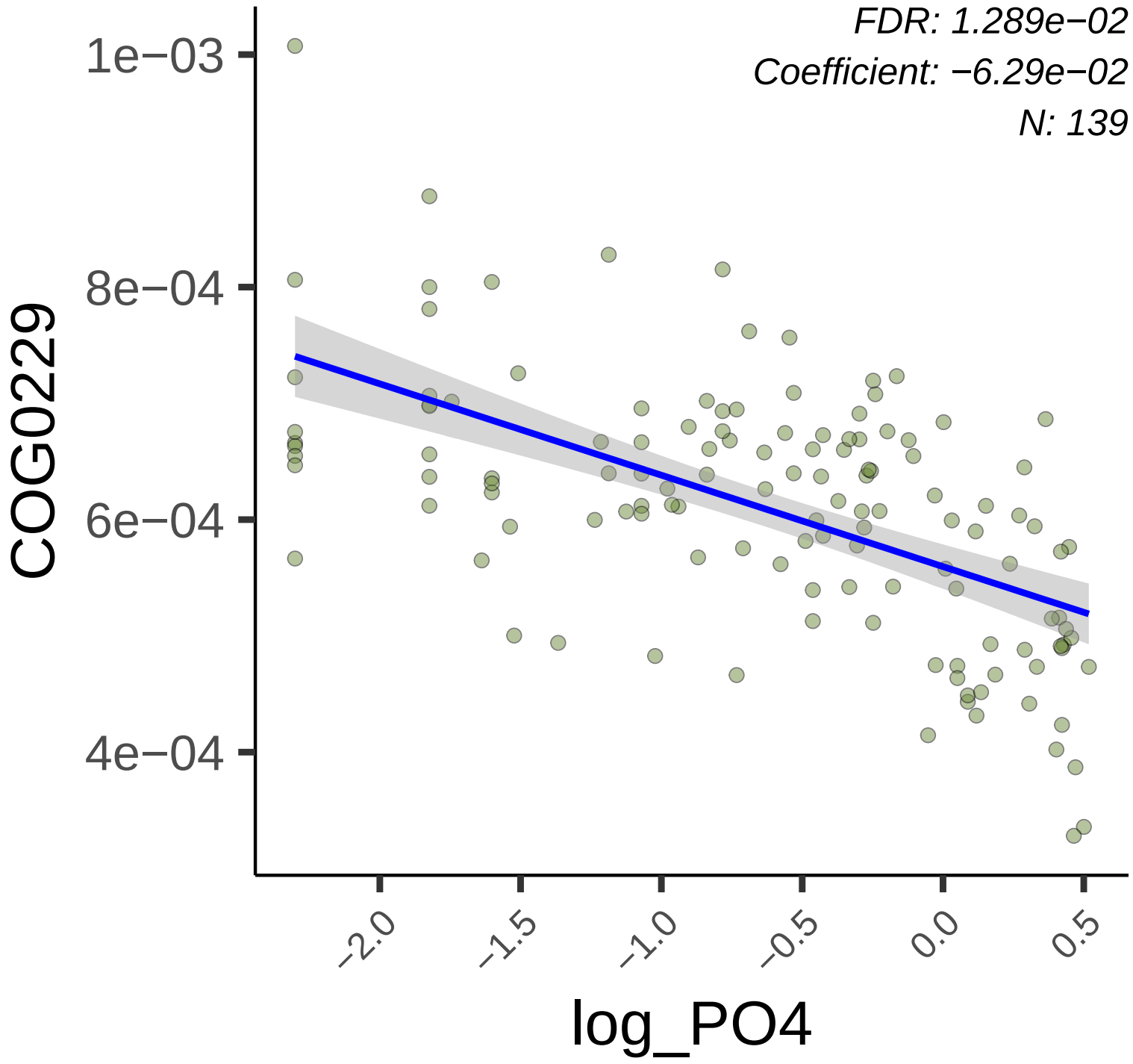
log_PO4


FDR: 1.289e−02
Coefficient: −6.29e−02
N: 139
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8e−04
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COG0229
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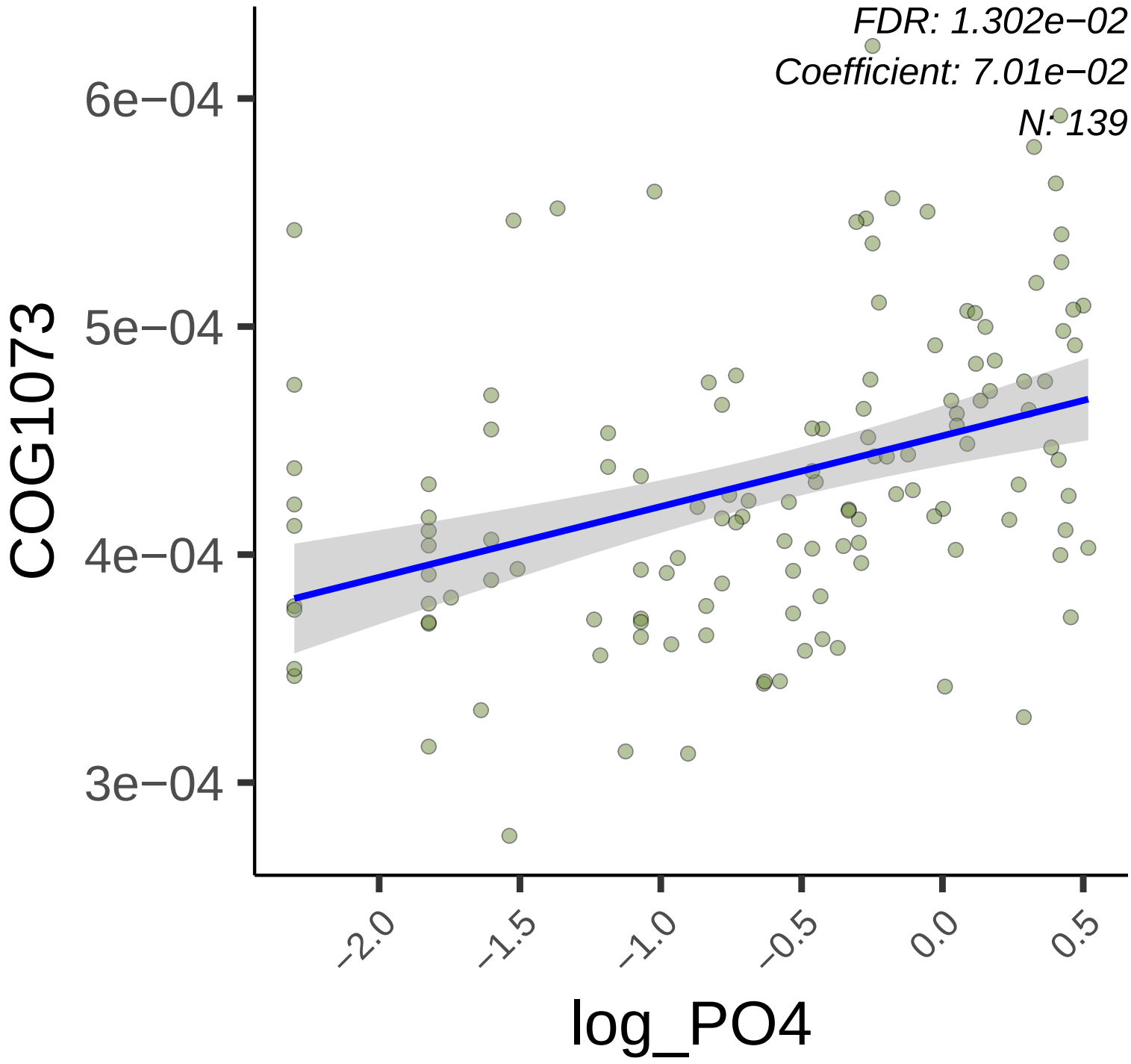
log_PO4


FDR: 1.302e−02
Coefficient: 7.01e−02
N: 139
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COG1073
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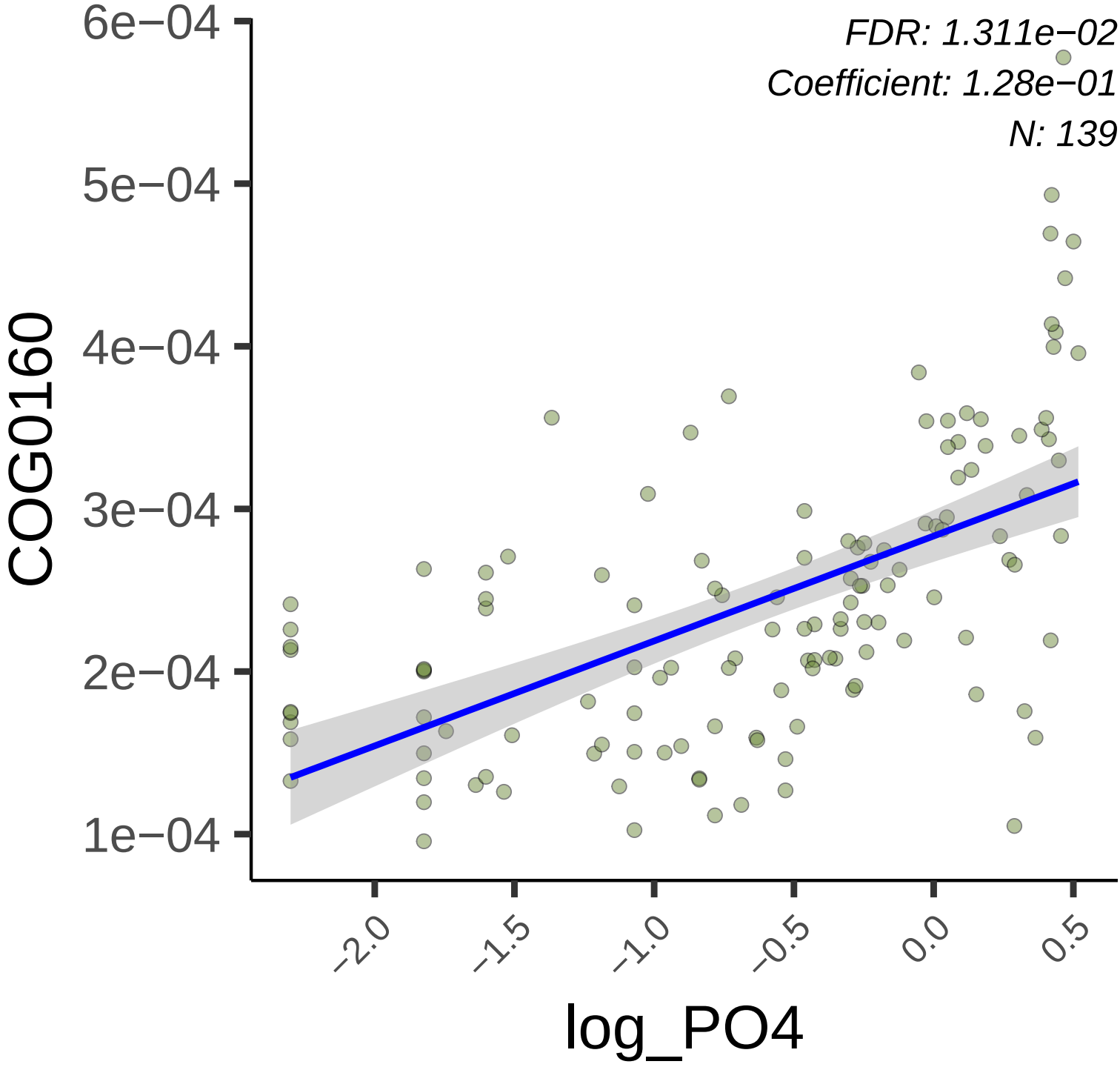
log_PO4


FDR: 1.311e−02
Coefficient: 1.28e−01
N: 139
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3e−04
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COG0160
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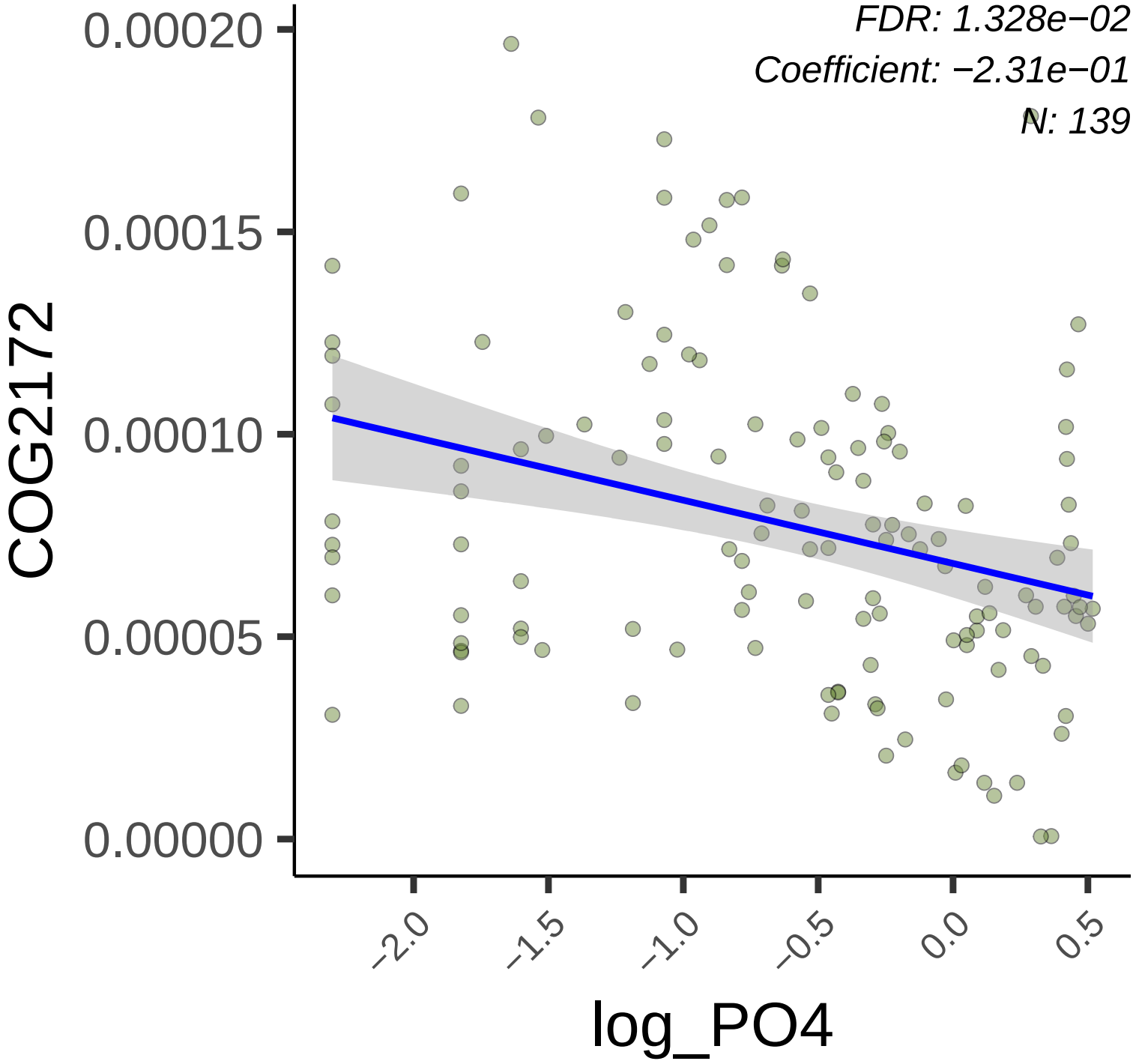
log_PO4


FDR: 1.328e−02
Coefficient: −2.31e−01
N: 139
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COG2172
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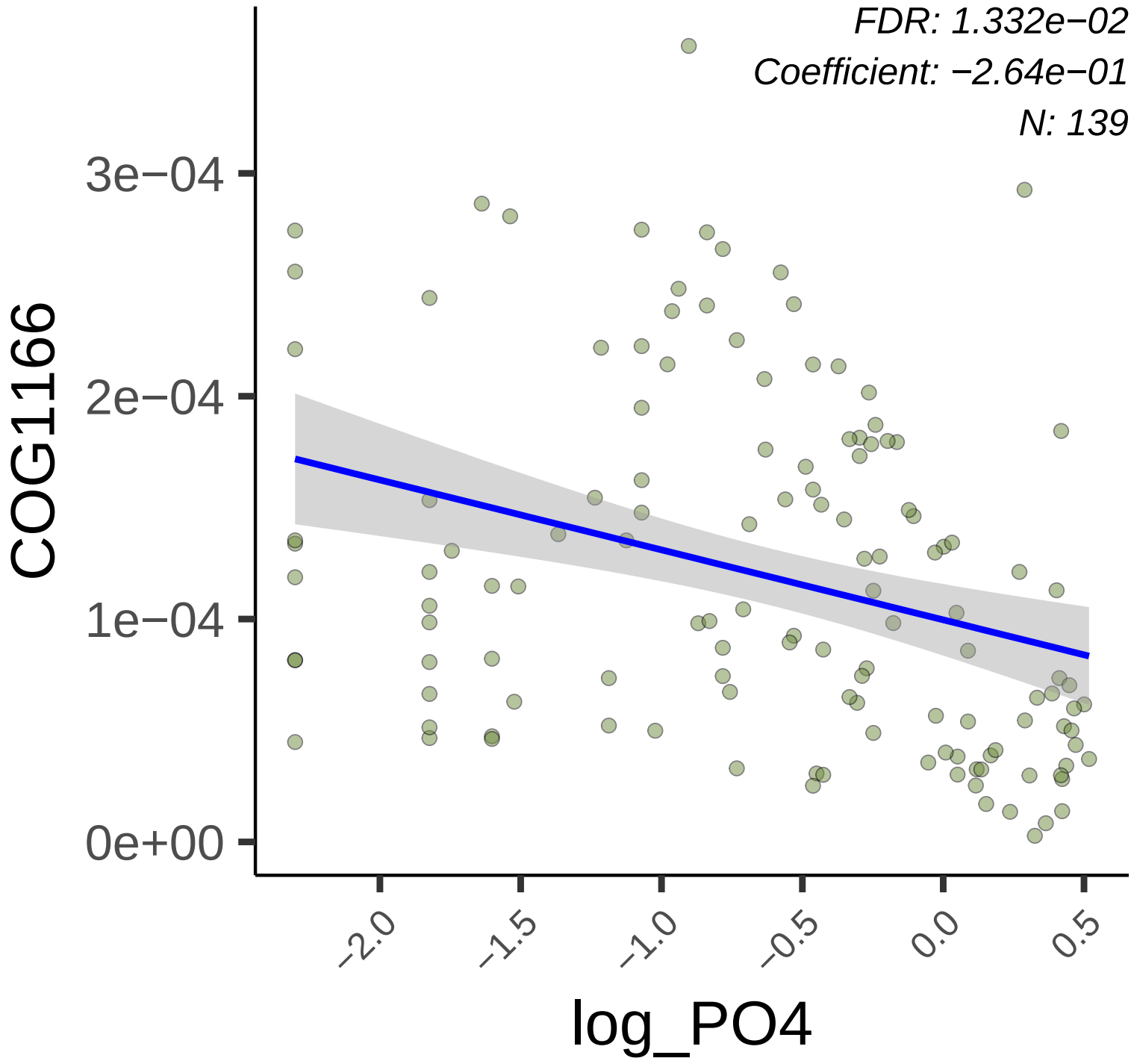
log_PO4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Coefficient: −2.64e−01
N: 139
COG1166
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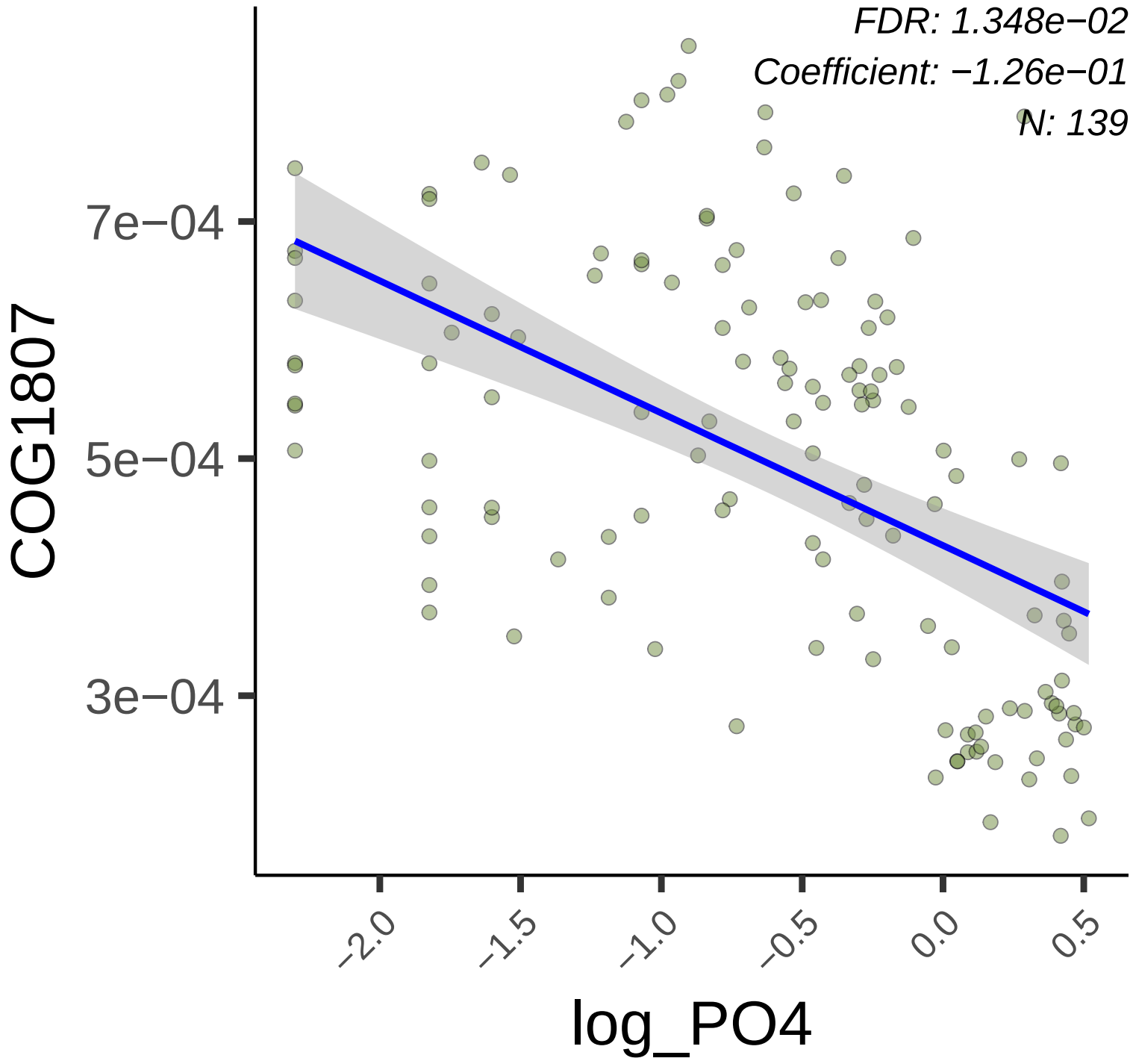
log_PO4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Coefficient: −1.26e−01
N: 139
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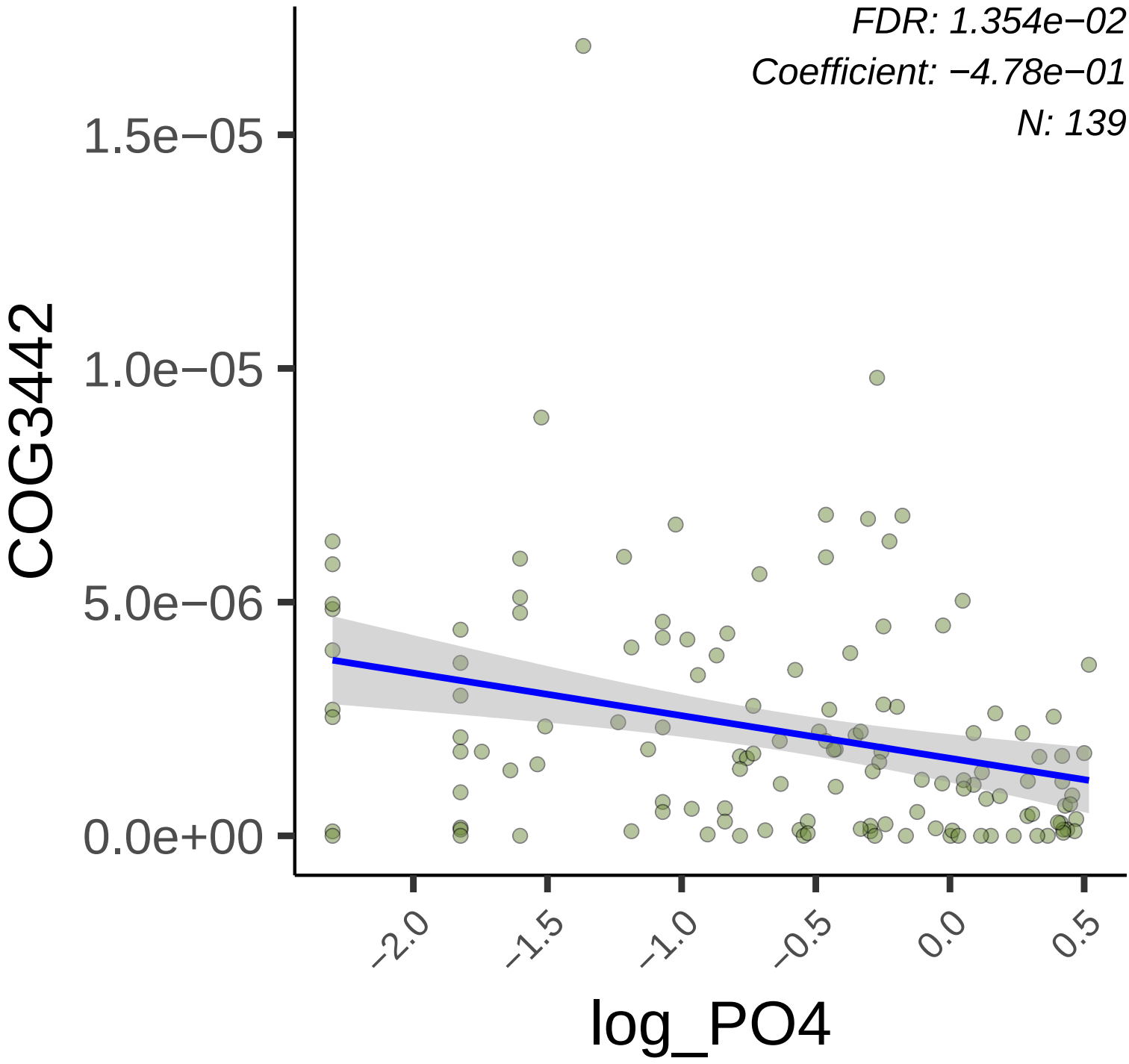
log_PO4


FDR: 1.354e−02
Coefficient: −4.78e−01
N: 139
COG3442
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1.0e−05
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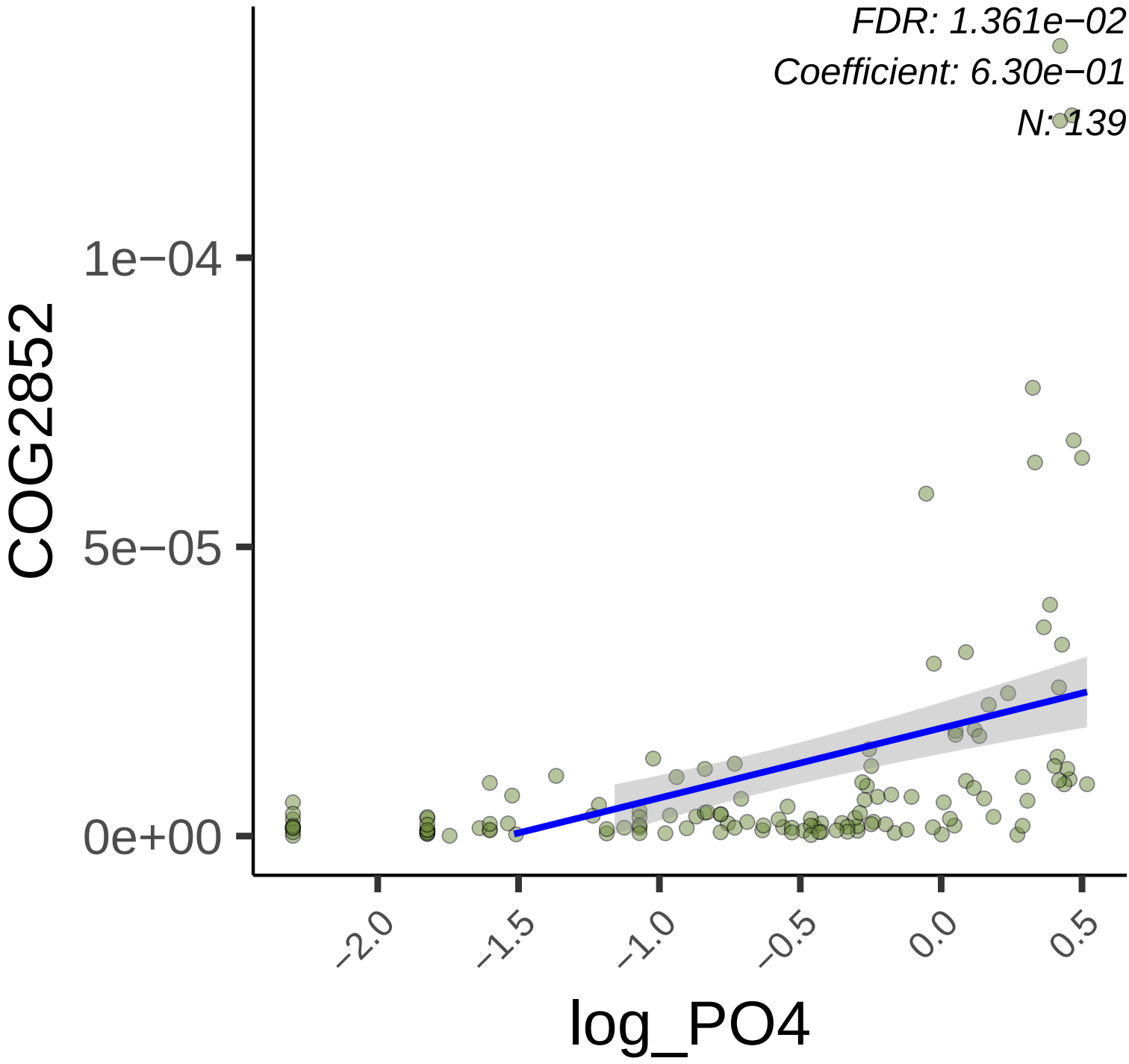
log_PO4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Coefficient: 6.30e−01
N: 139
COG2852
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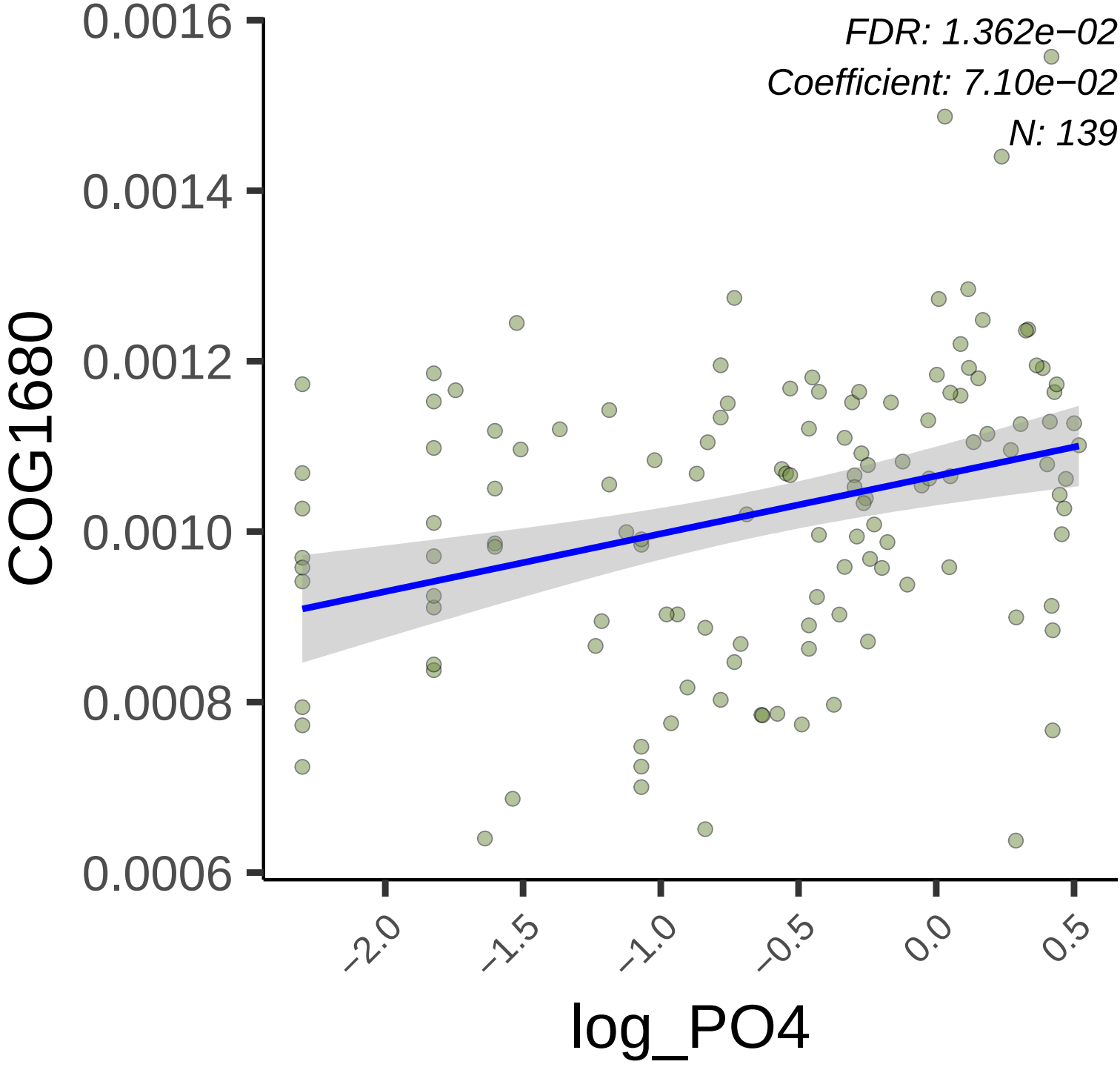
log_PO4


FDR: 1.362e−02
Coefficient: 7.10e−02
N: 139
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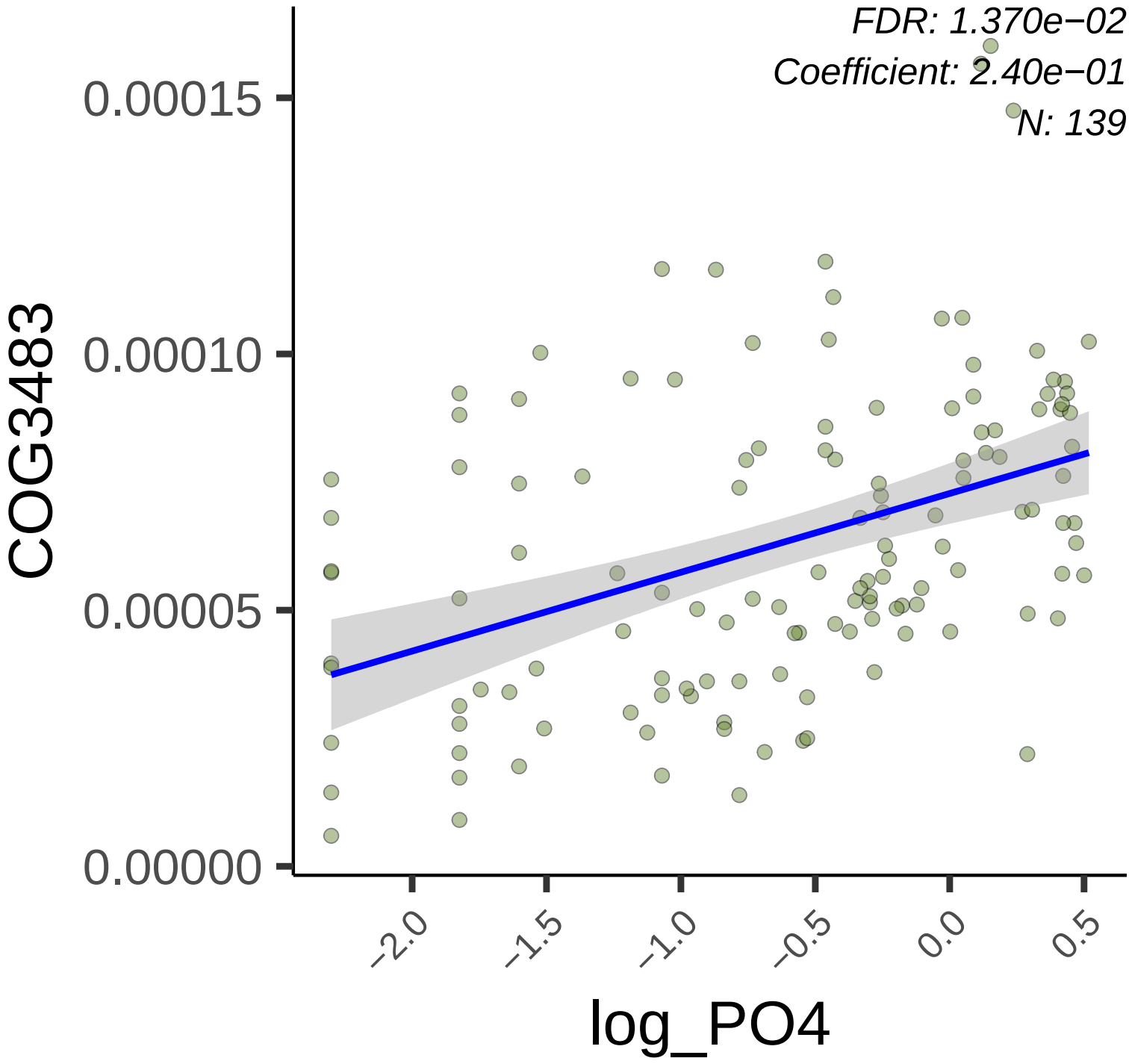
log_PO4


FDR: 1.370e−02
Coefficient: 2.40e−01
N: 139
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COG3483
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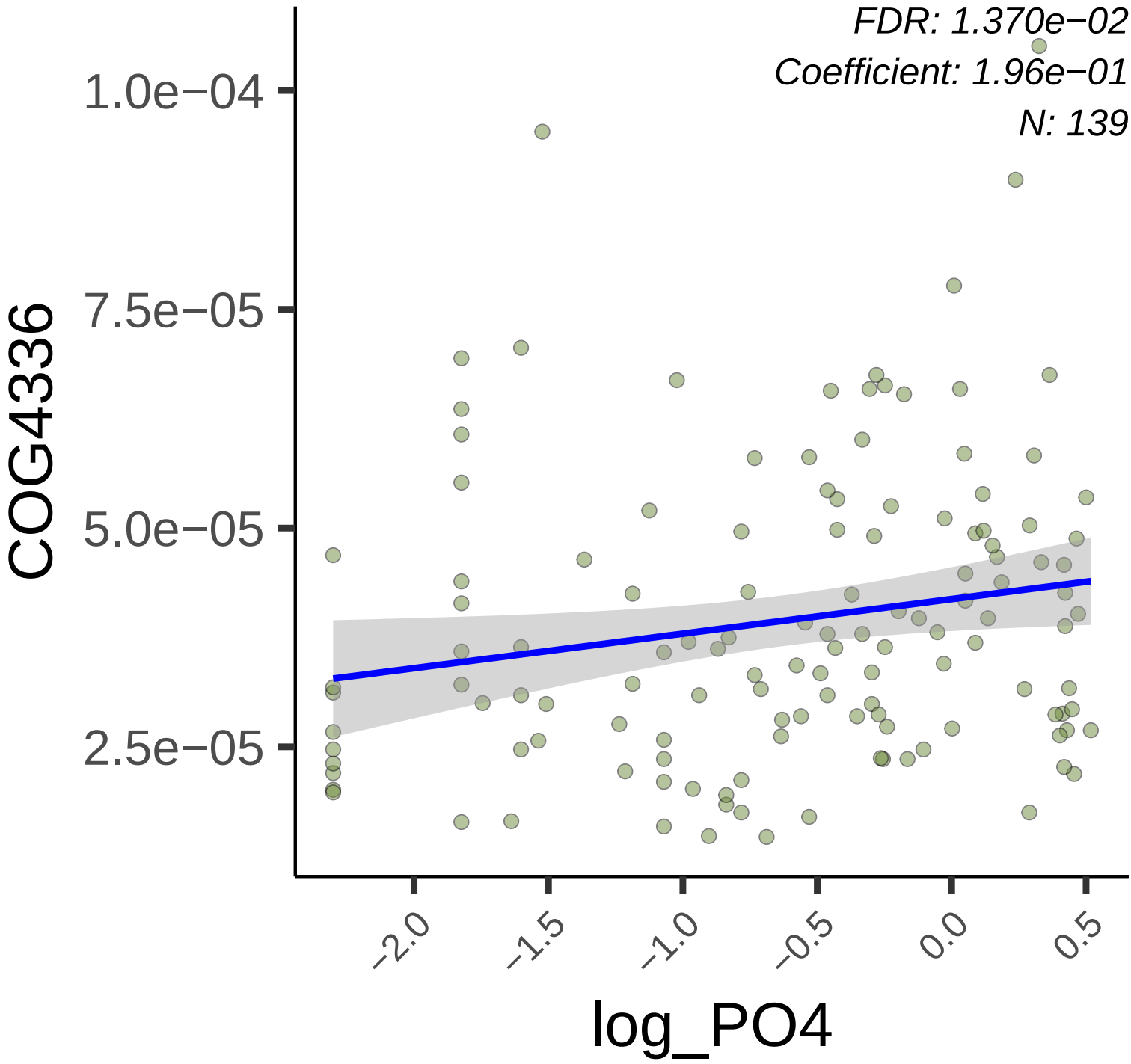
log_PO4


FDR: 1.370e−02
Coefficient: 1.96e−01
N: 139
COG4336
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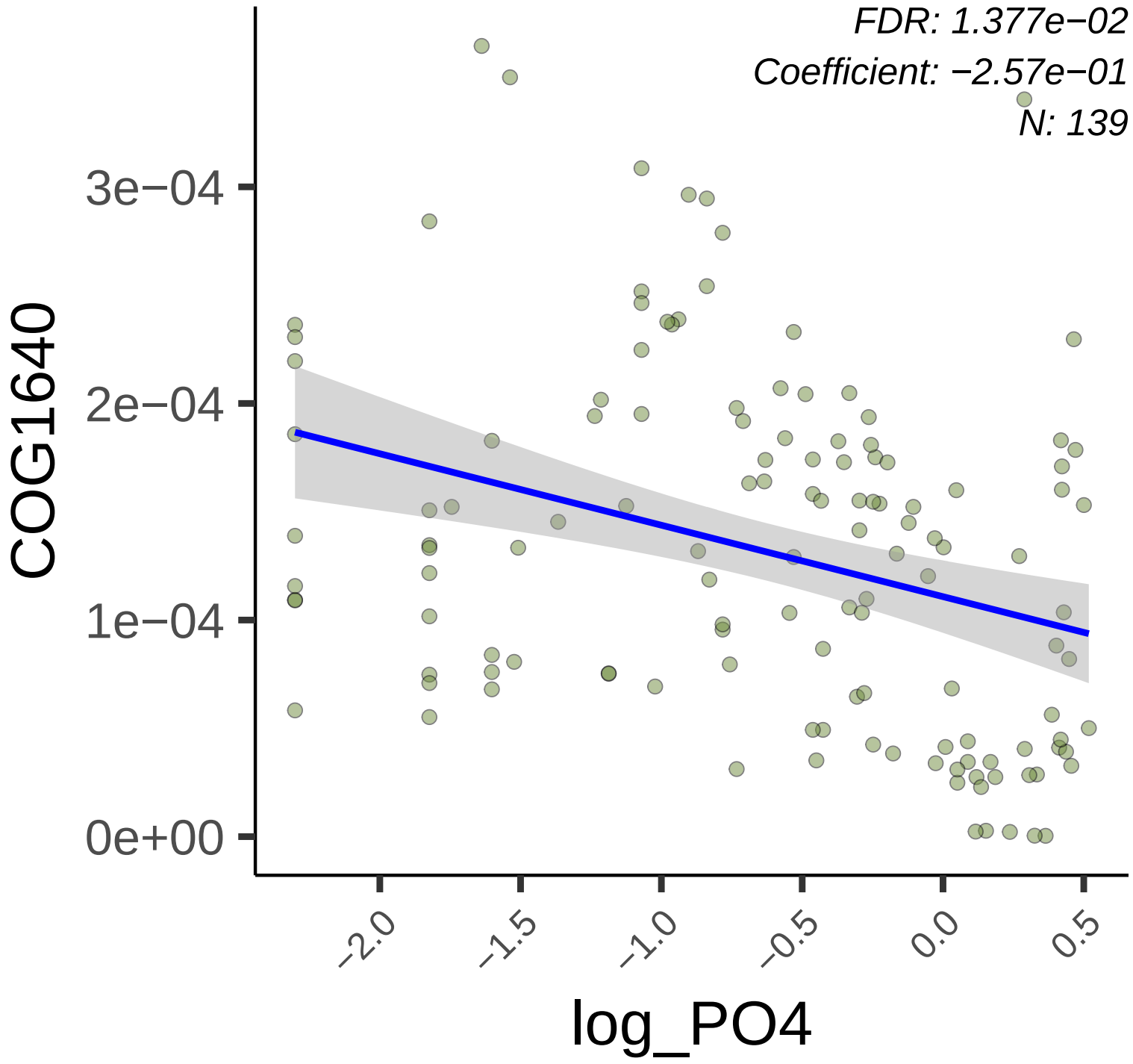
log_PO4


FDR: 1.377e−02
Coefficient: −2.57e−01
N: 139
COG1640
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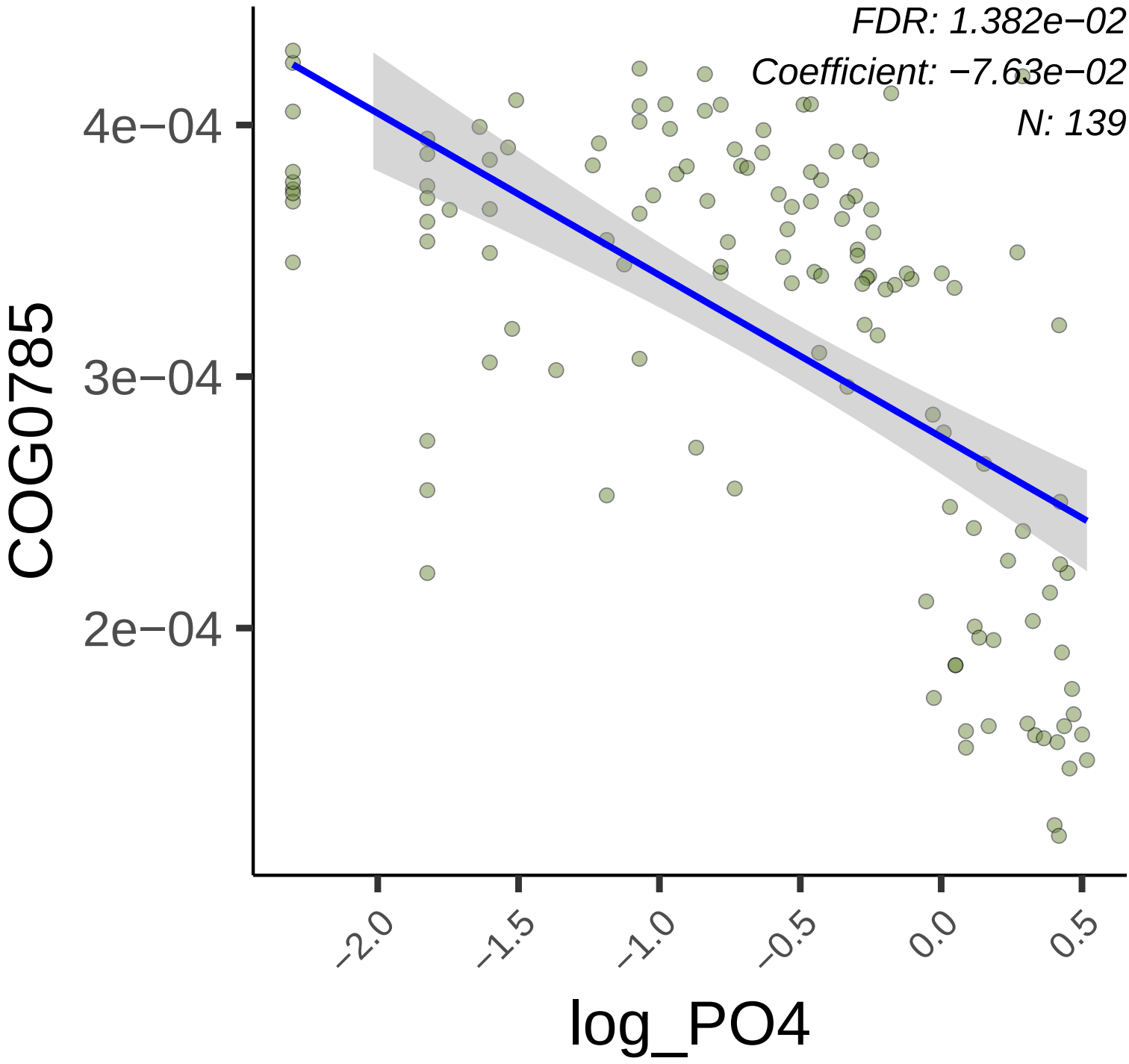
log_PO4


FDR: 1.382e−02
Coefficient: −7.63e−02
N: 139
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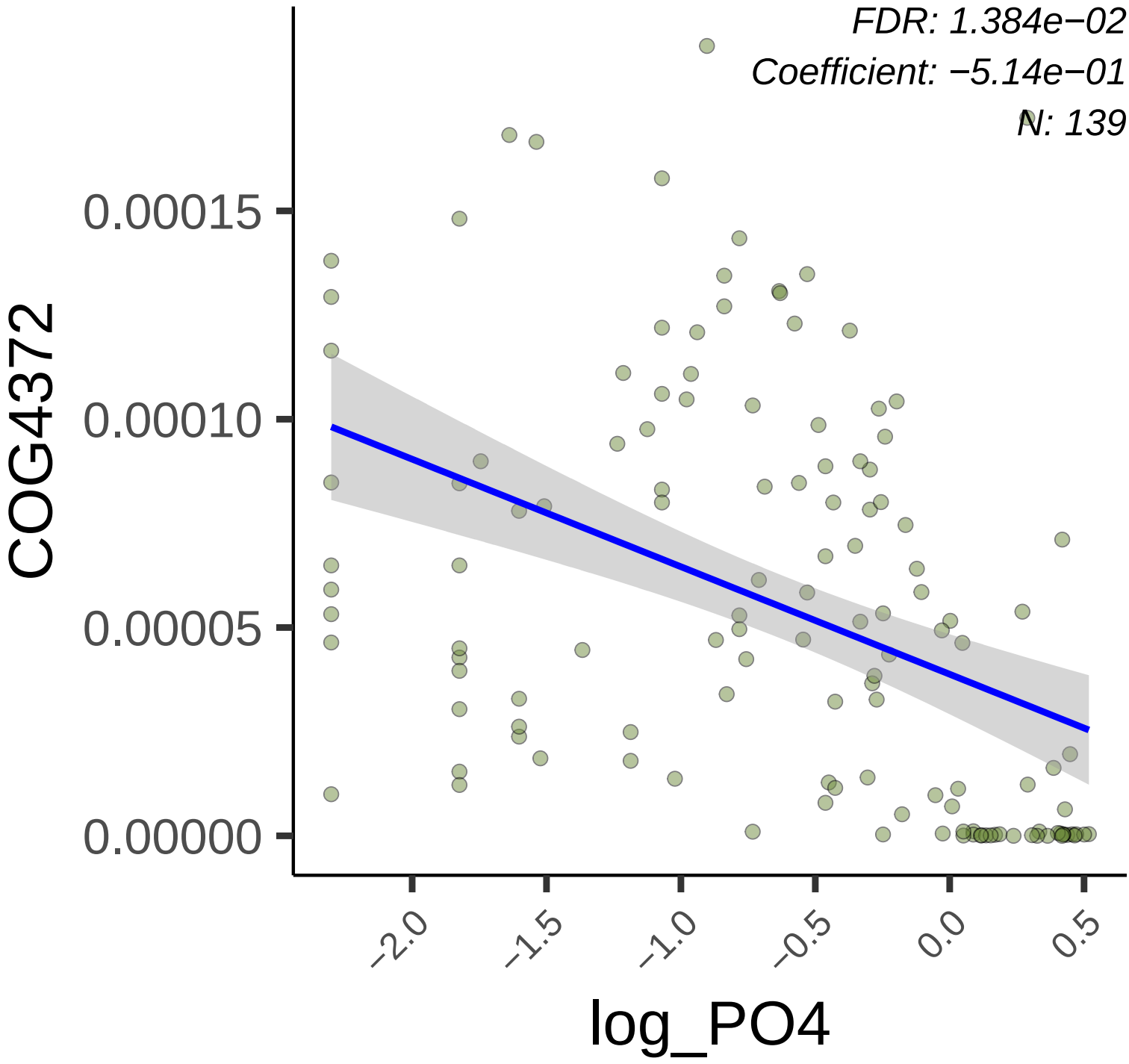
log_PO4


FDR: 1.384e−02
Coefficient: −5.14e−01
N: 139
COG4372
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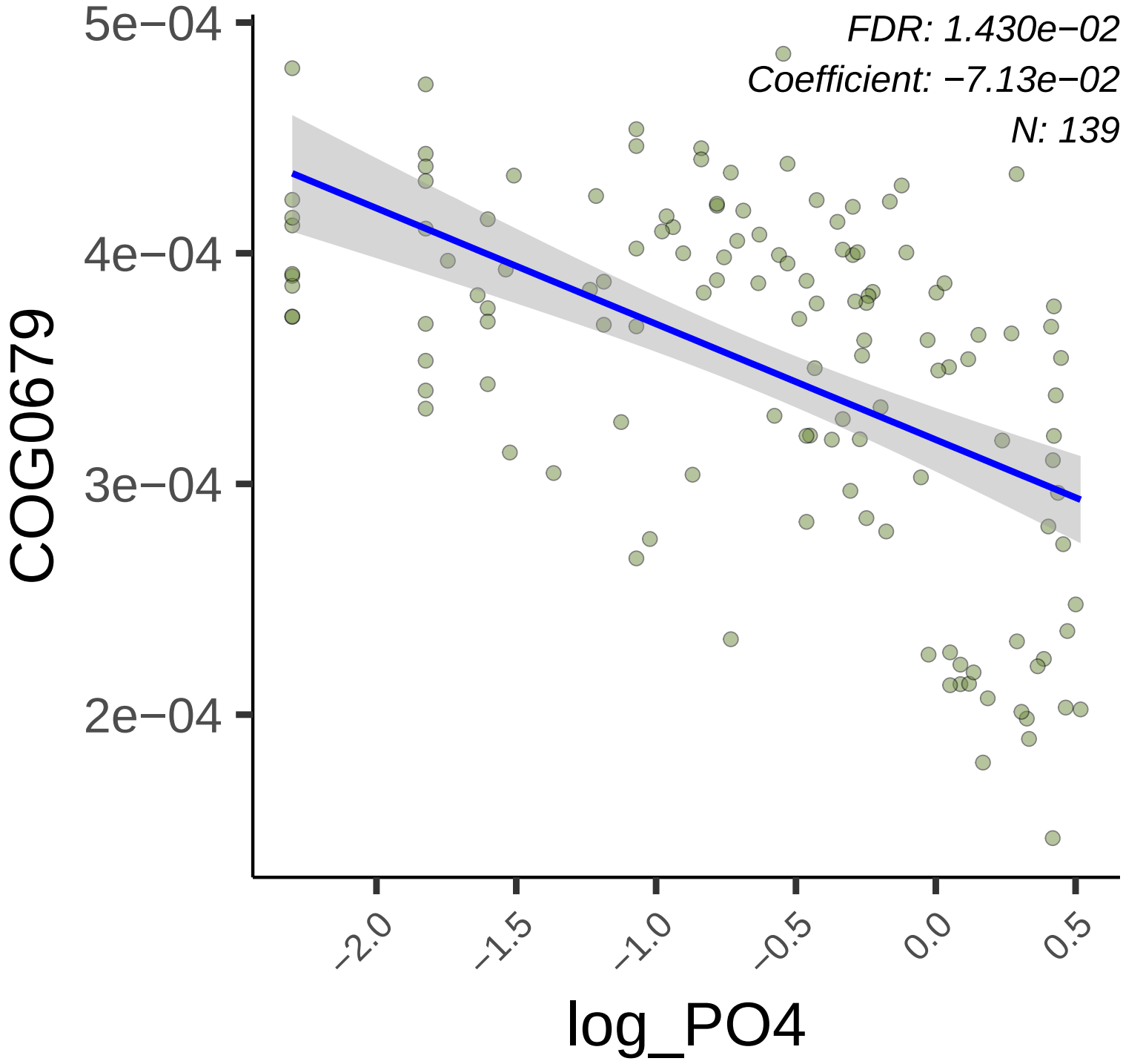
log_PO4


FDR: 1.430e−02
Coefficient: −7.13e−02
N: 139
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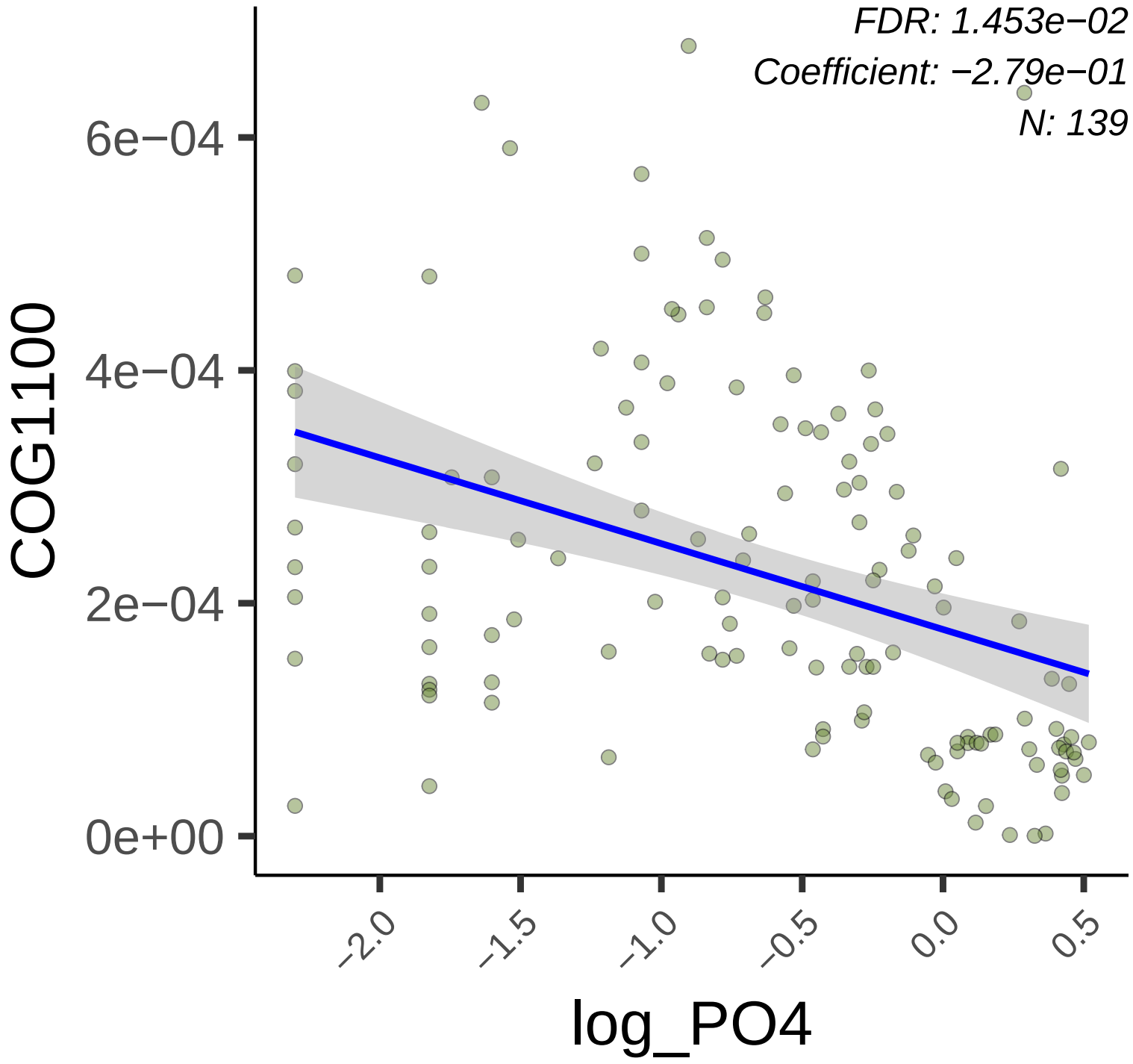
log_PO4


FDR: 1.453e−02
Coefficient: −2.79e−01
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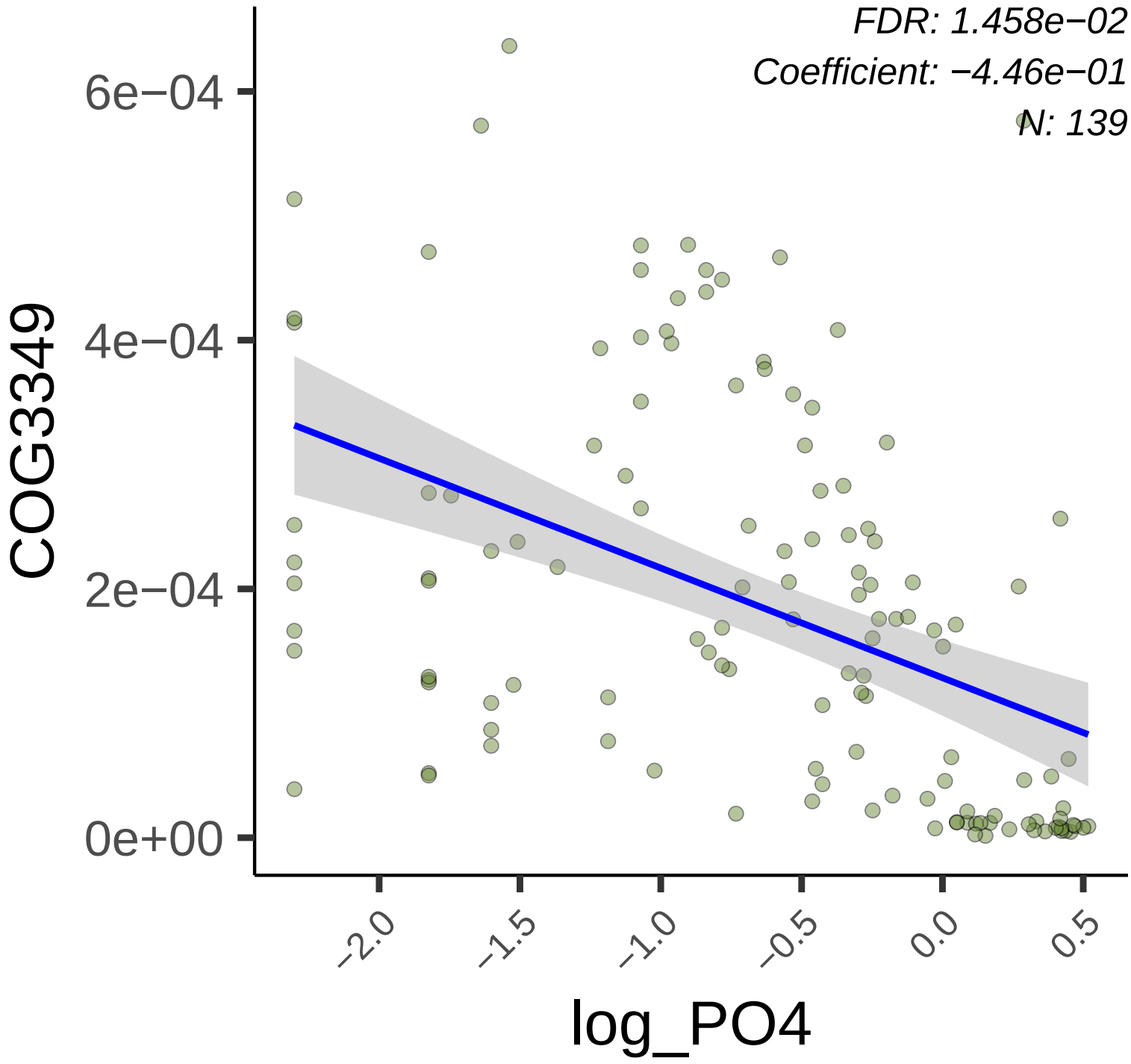
log_PO4


FDR: 1.458e−02
Coefficient: −4.46e−01
N: 139
COG3349
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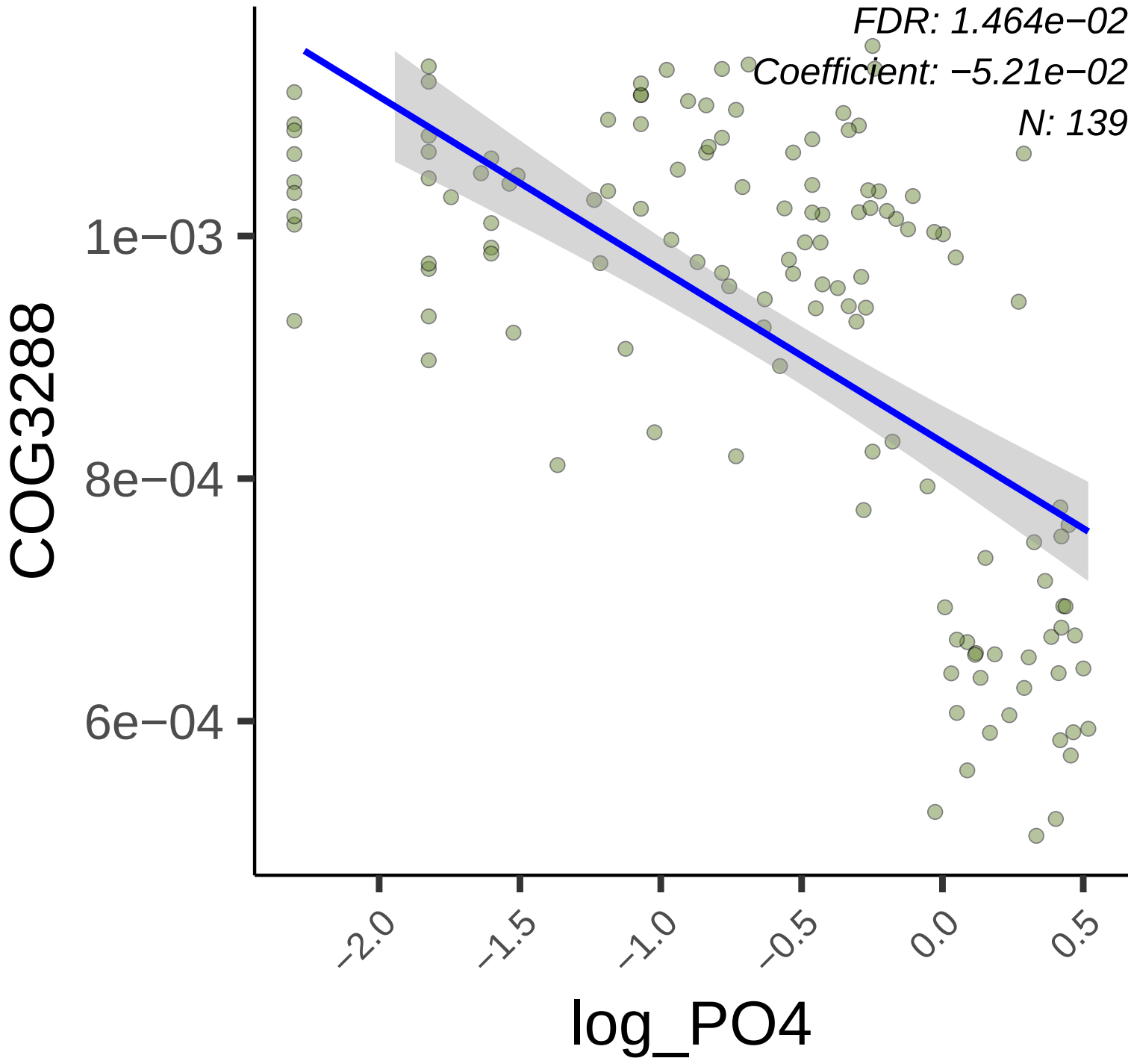
log_PO4


FDR: 1.464e−02
Coefficient: −5.21e−02
N: 139
COG3288
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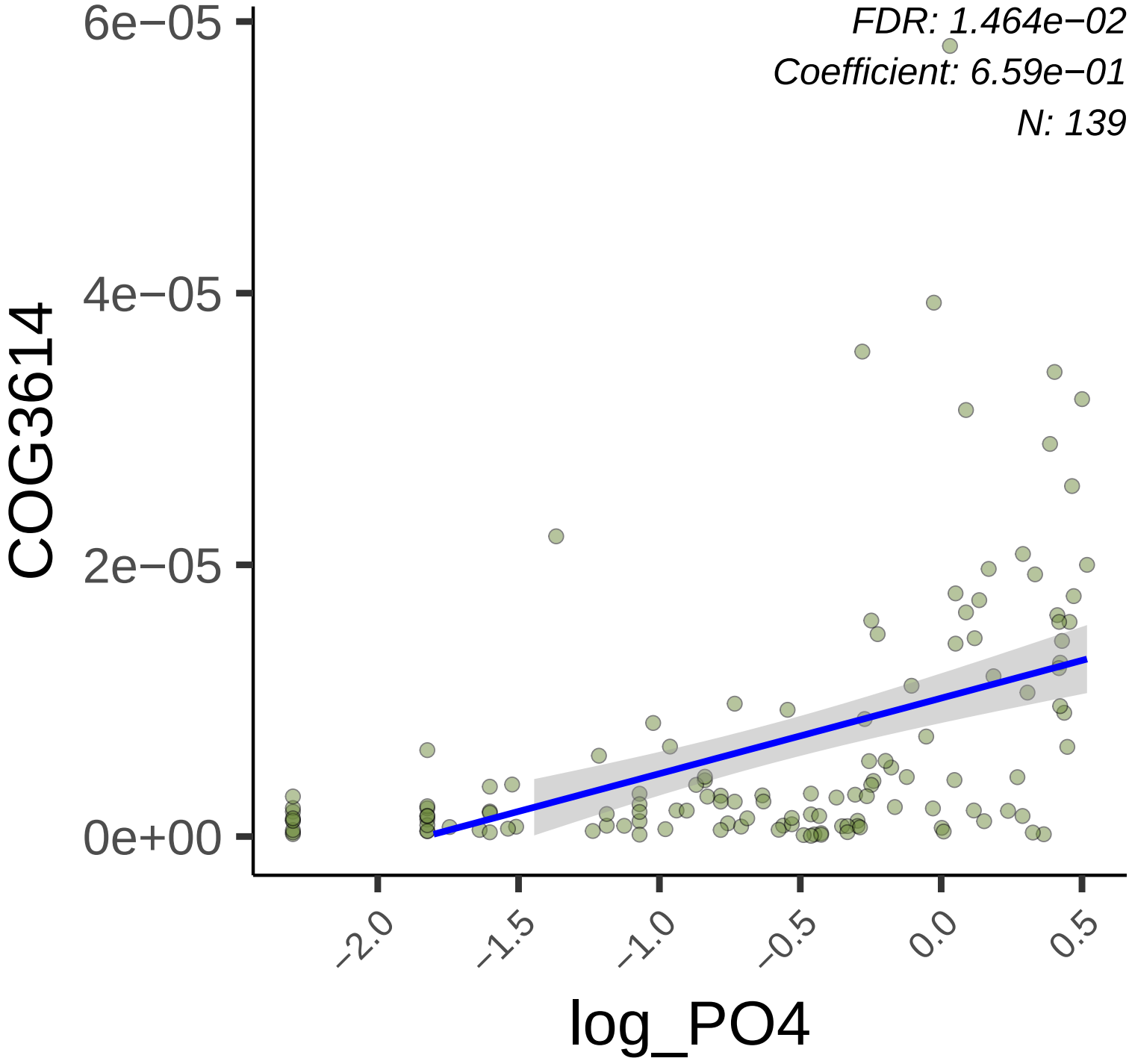
log_PO4


FDR: 1.464e−02
Coefficient: 6.59e−01
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COG3614
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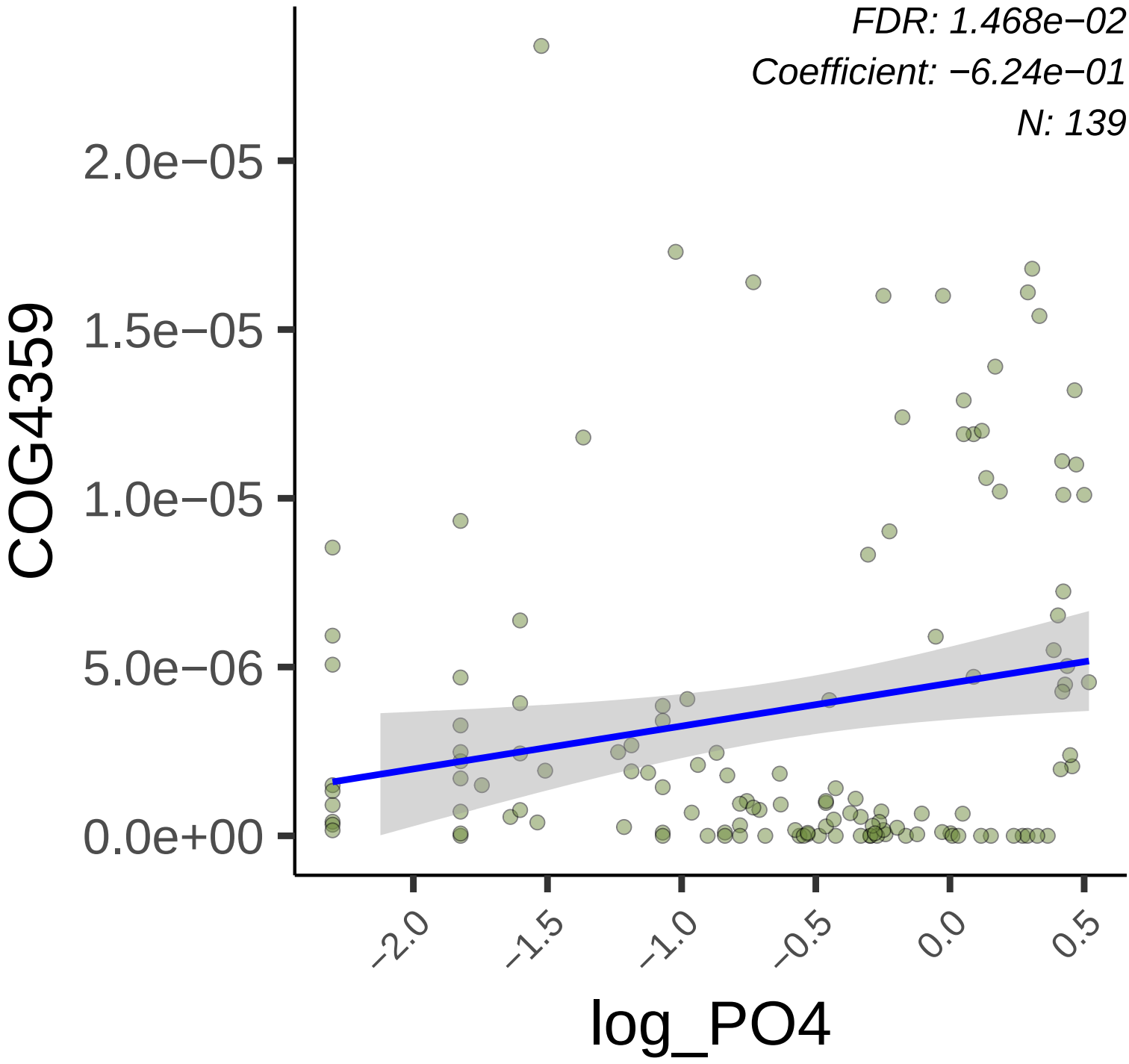
log_PO4


FDR: 1.468e−02
Coefficient: −6.24e−01
N: 139
COG4359
2.0e−05
1.5e−05
1.0e−05
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−1.5
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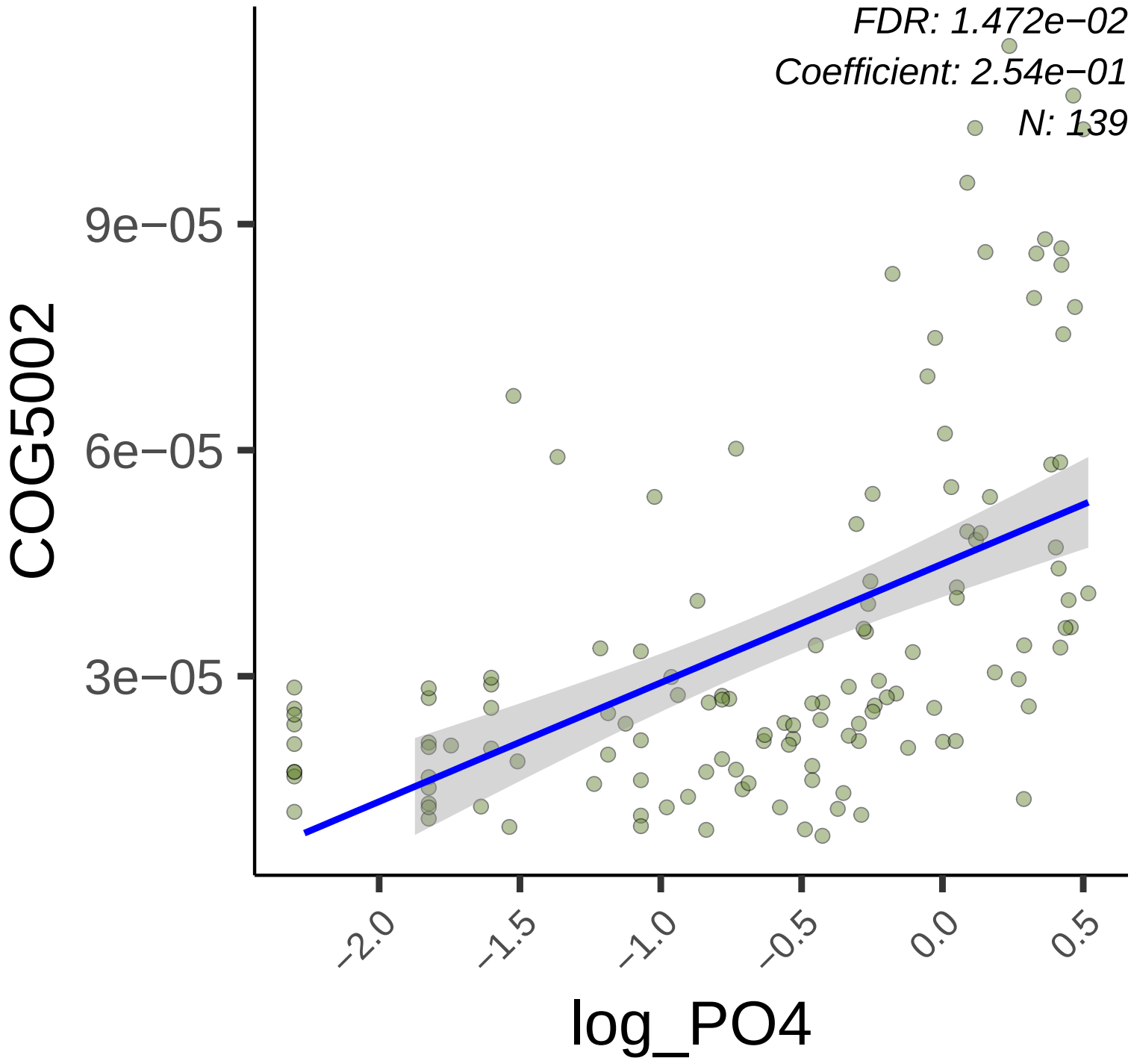
log_PO4


FDR: 1.472e−02
Coefficient: 2.54e−01
N: 139
COG5002
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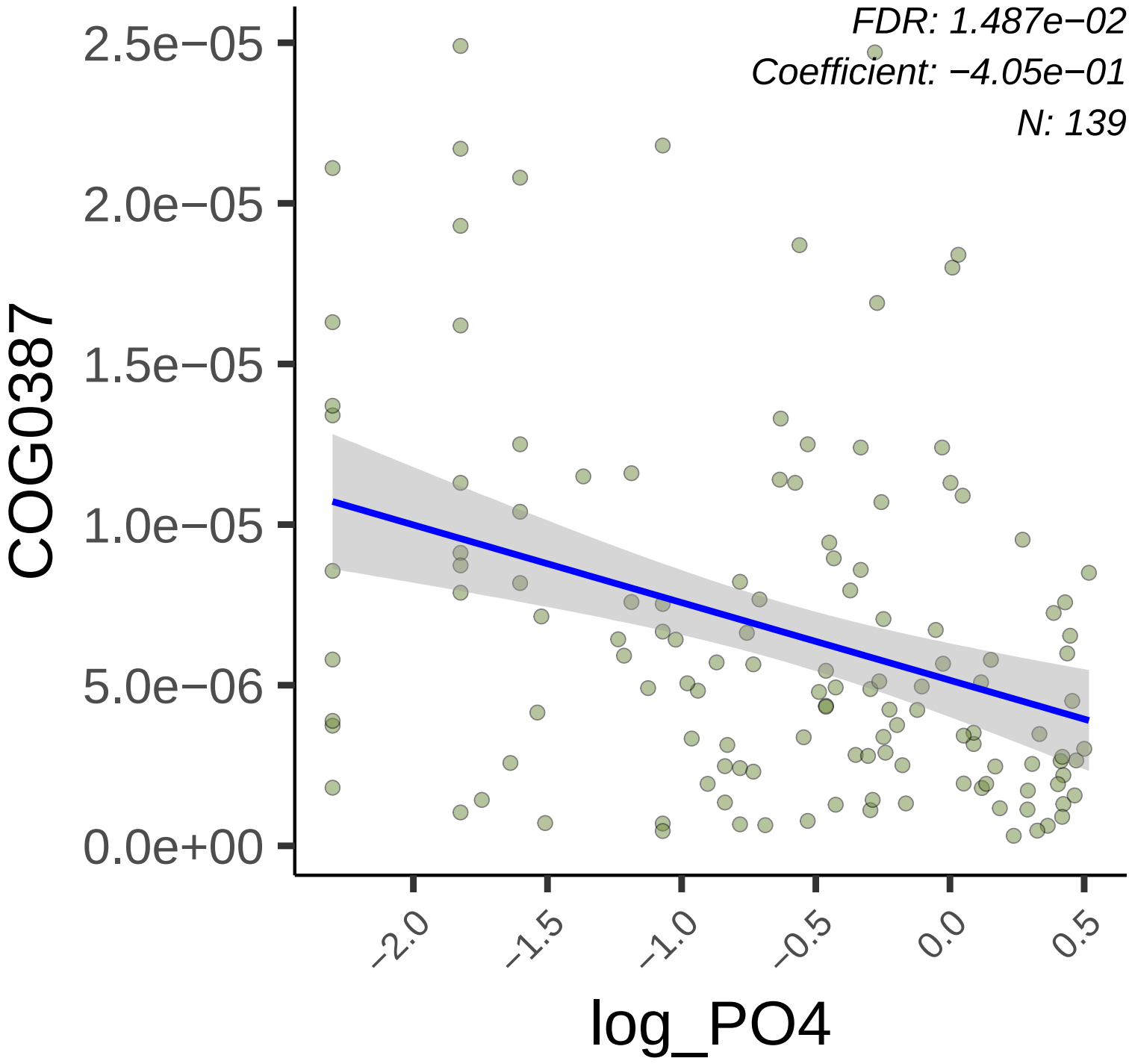
log_PO4


FDR: 1.487e−02
Coefficient: −4.05e−01
N: 139
COG0387
2.5e−05
2.0e−05
1.5e−05
1.0e−05
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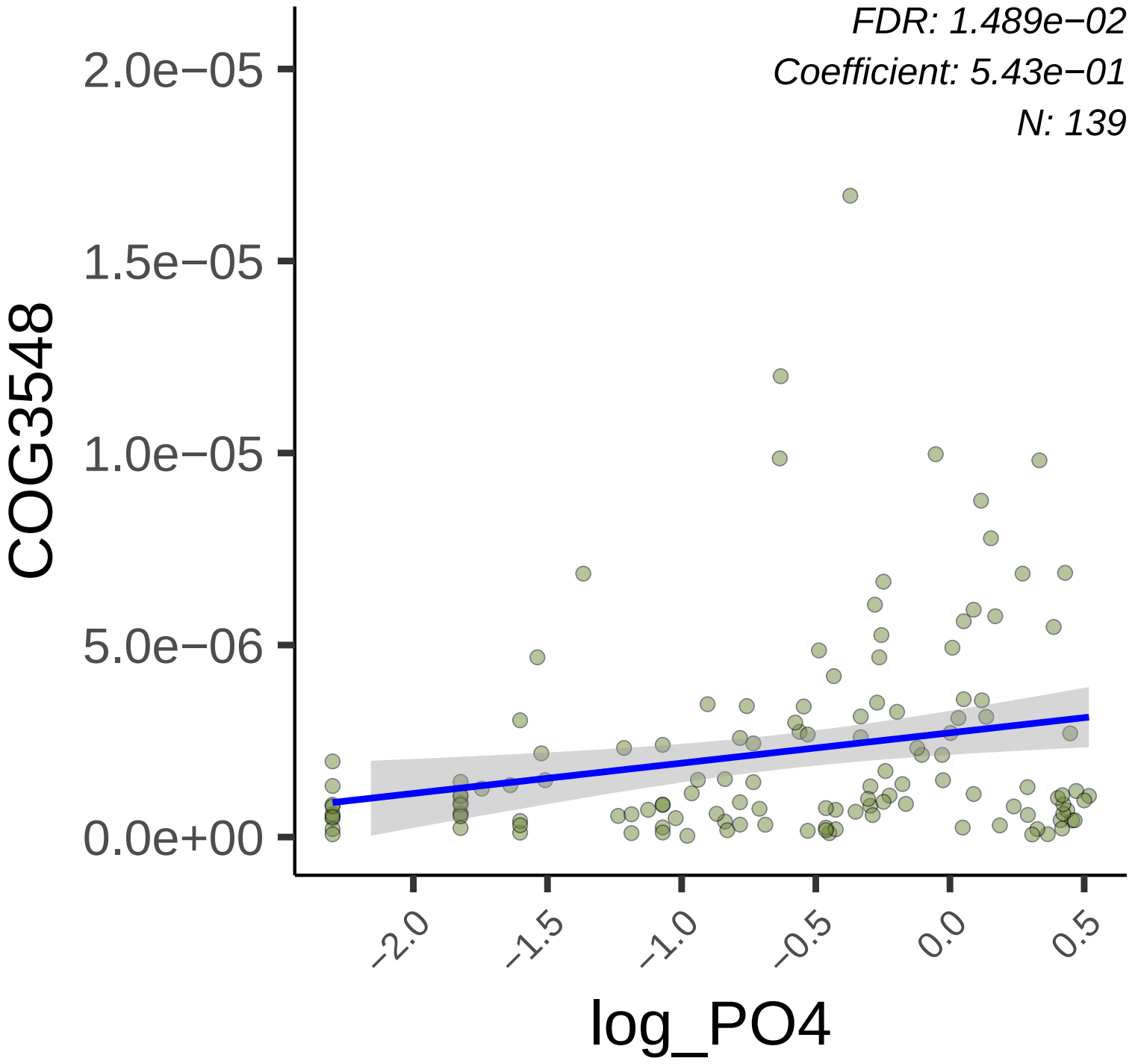
log_PO4


FDR: 1.489e−02
Coefficient: 5.43e−01
N: 139
COG3548
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1.5e−05
1.0e−05
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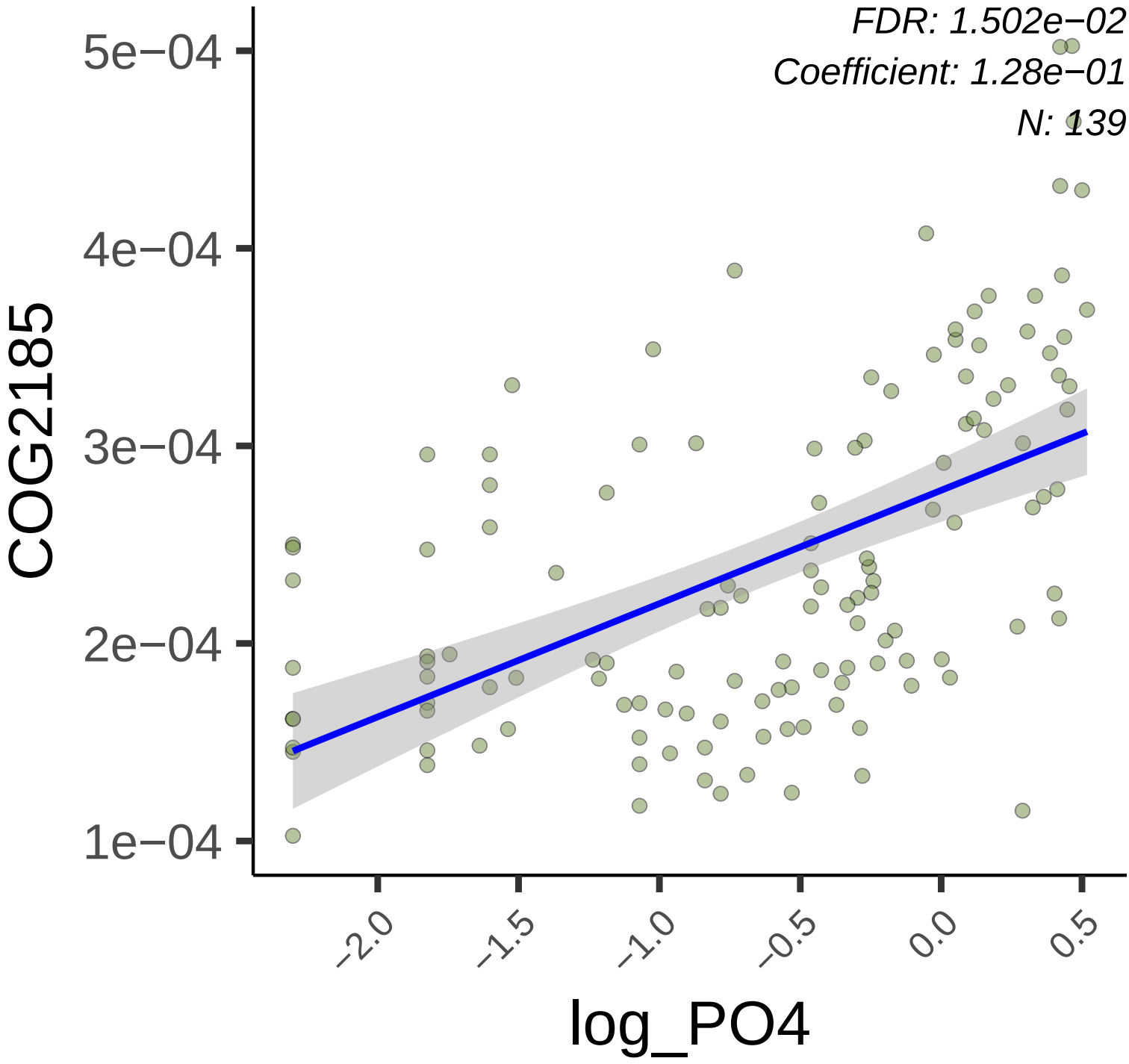
log_PO4


FDR: 1.502e−02
Coefficient: 1.28e−01
N: 139
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COG2185
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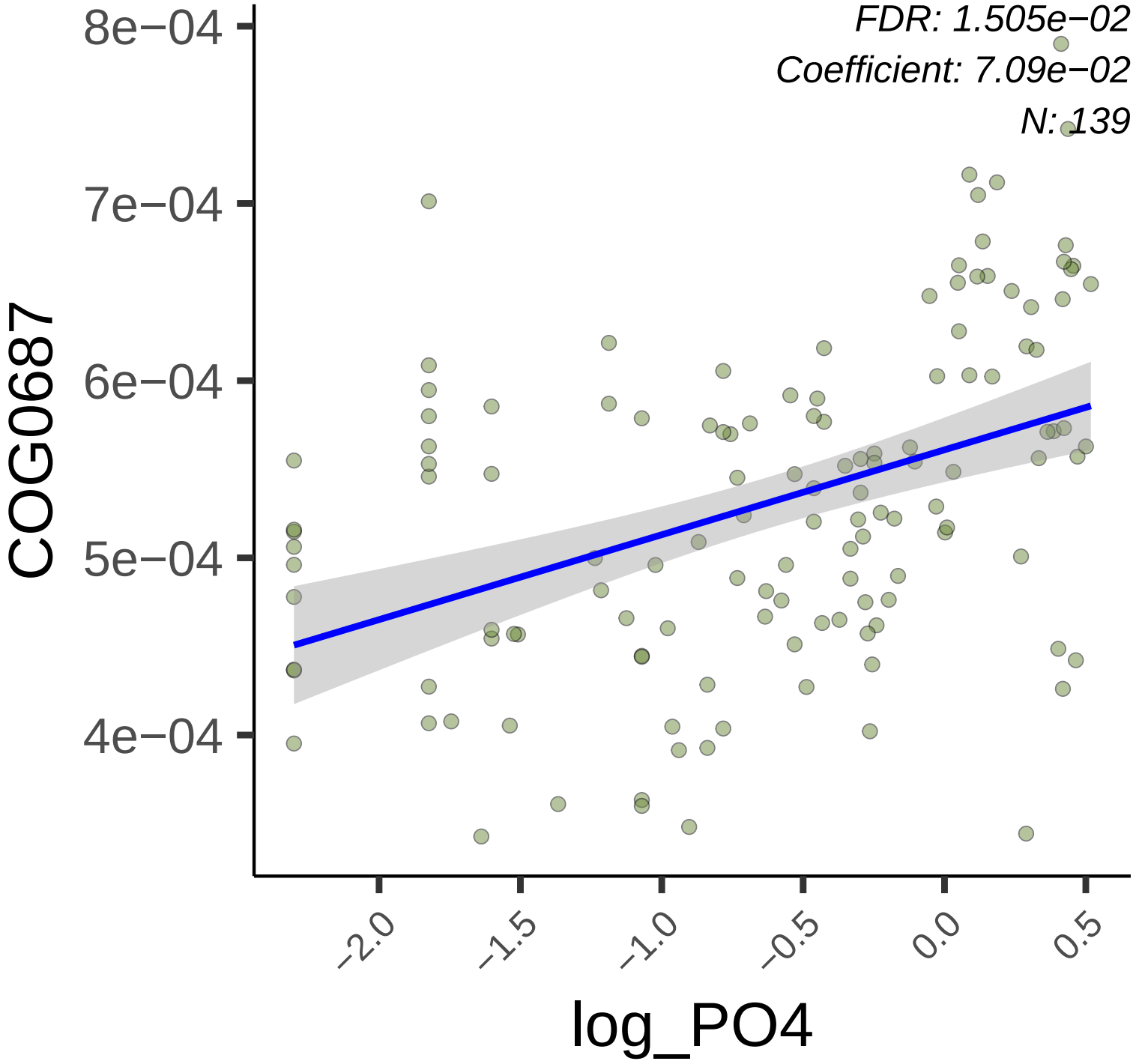
log_PO4


FDR: 1.505e−02
Coefficient: 7.09e−02
N: 139
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7e−04
6e−04
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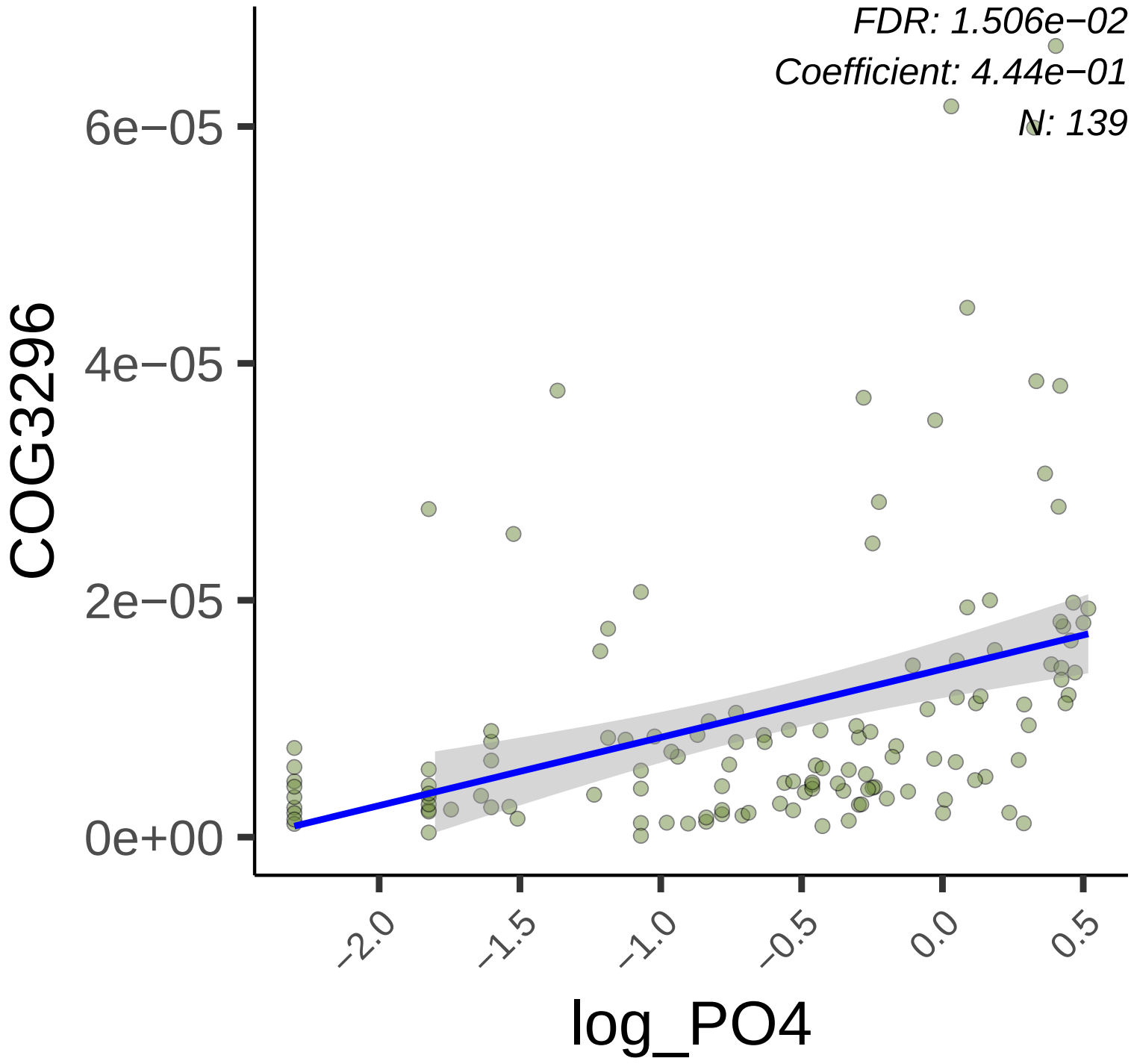
log_PO4


FDR: 1.506e−02
Coefficient: 4.44e−01
N: 139
COG3296
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4e−05
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0e+00
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−1.5
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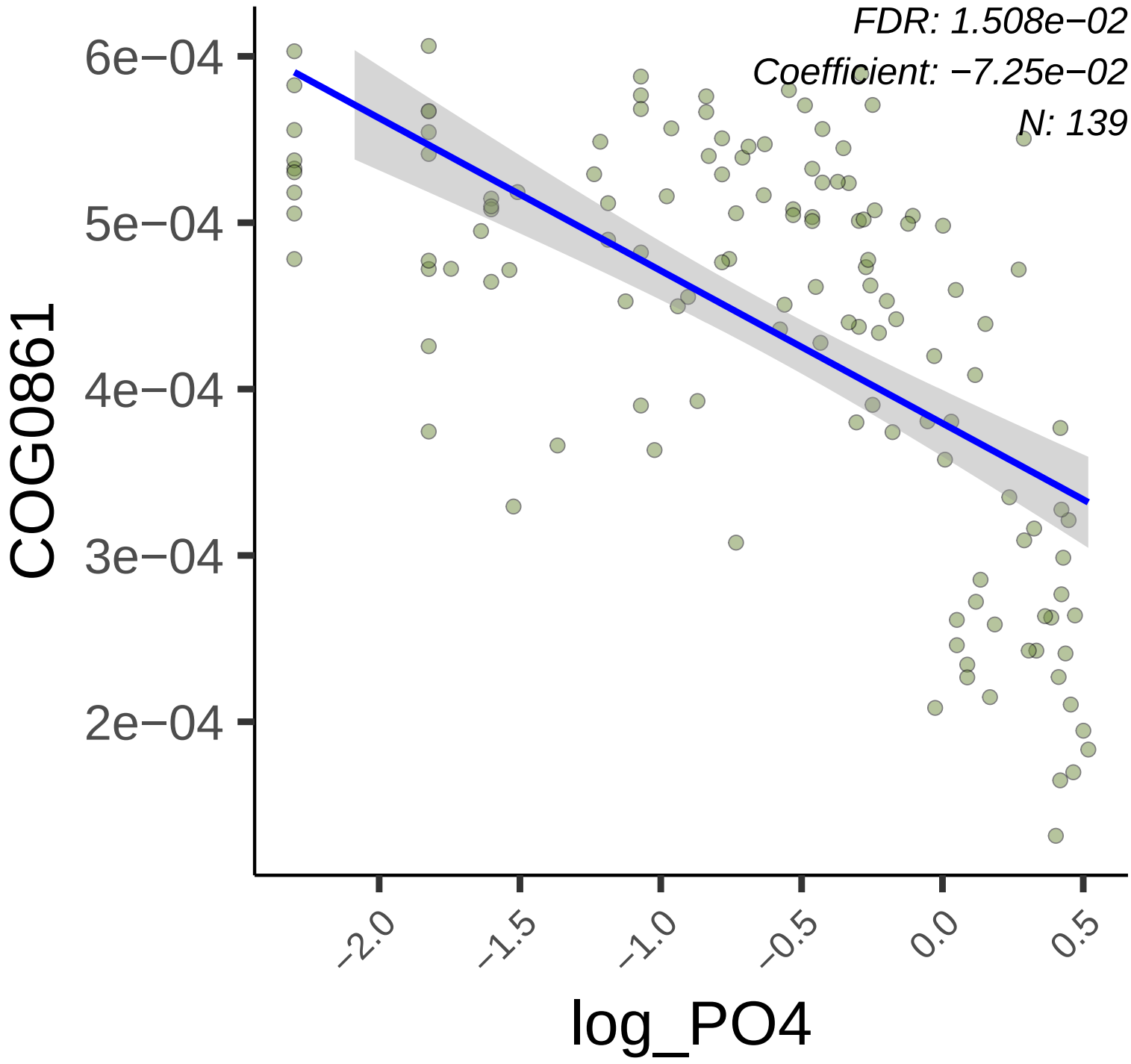
log_PO4


FDR: 1.508e−02
Coefficient: −7.25e−02
N: 139
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4e−04
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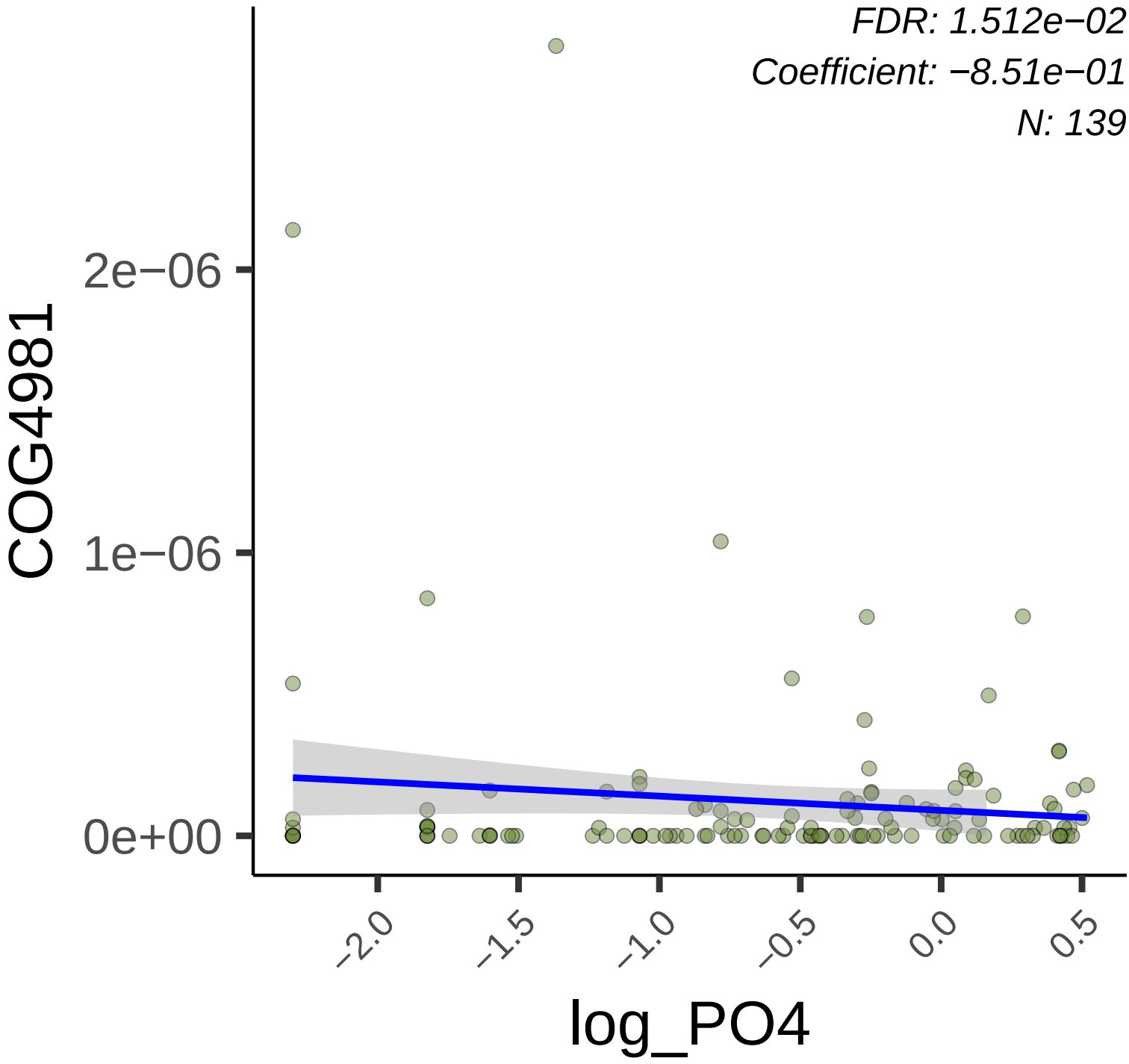
log_PO4


FDR: 1.512e−02
Coefficient: −8.51e−01
N: 139
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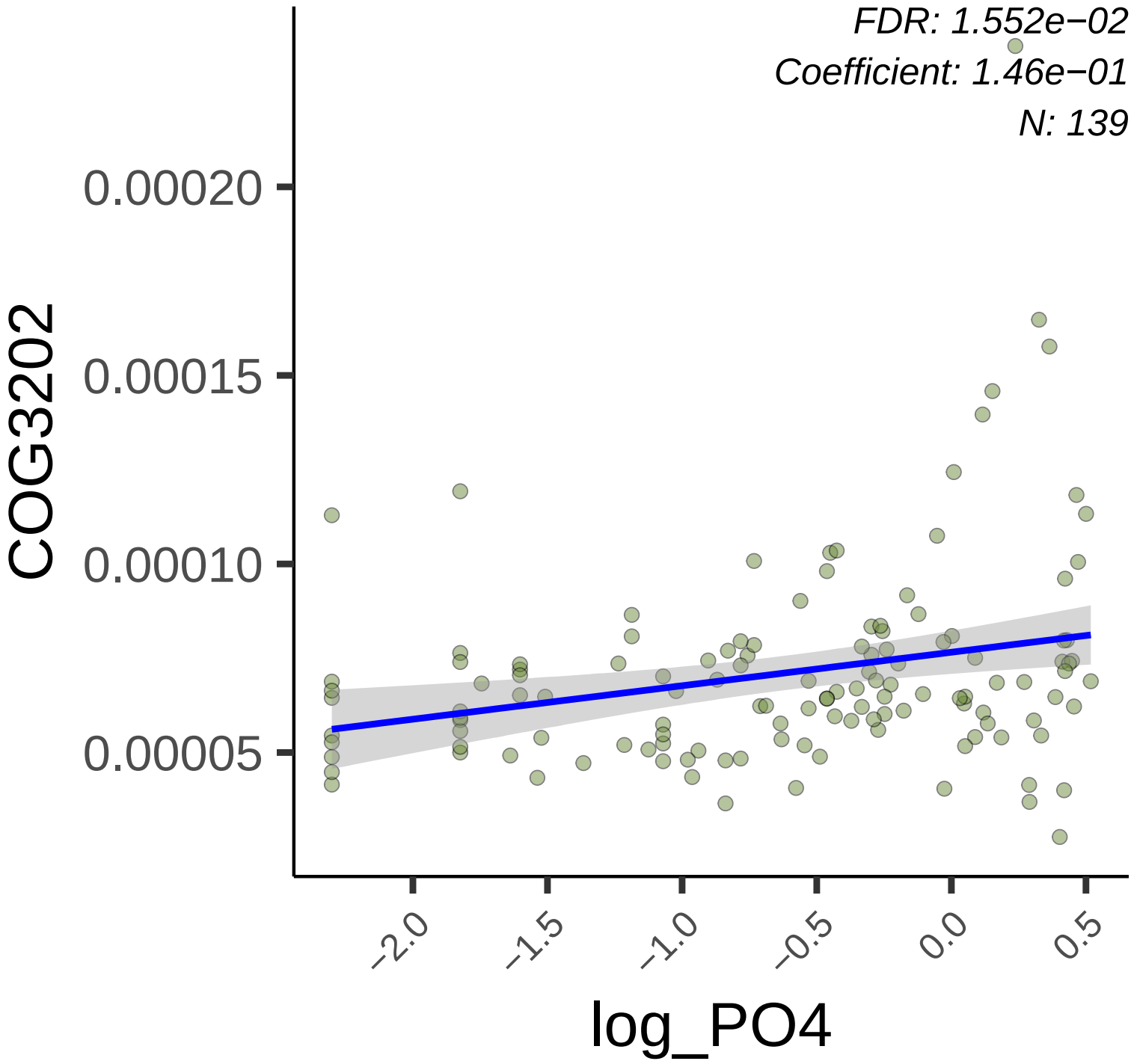
log_PO4


FDR: 1.552e−02
Coefficient: 1.46e−01
N: 139
COG3202
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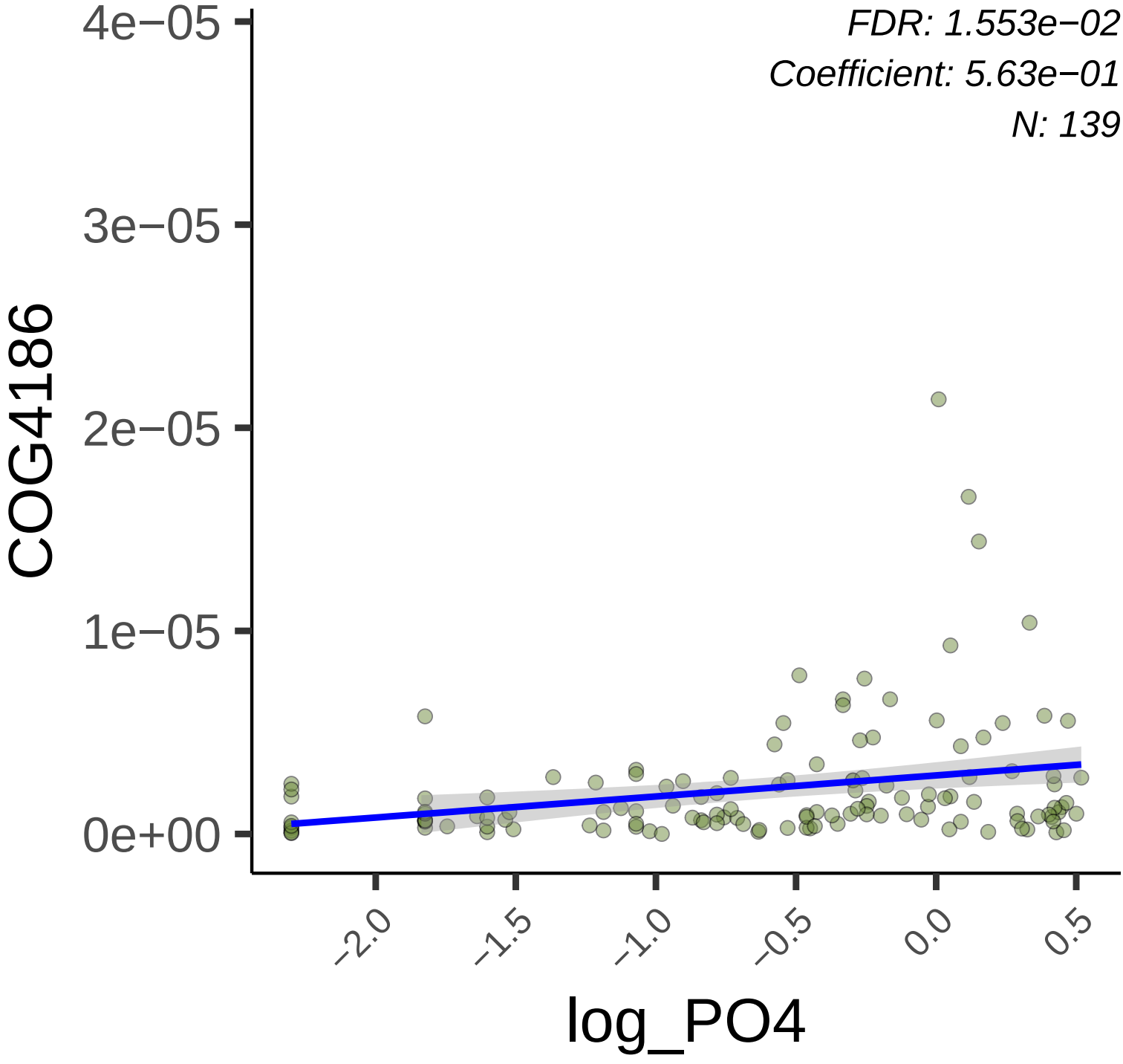
log_PO4


FDR: 1.553e−02
Coefficient: 5.63e−01
N: 139
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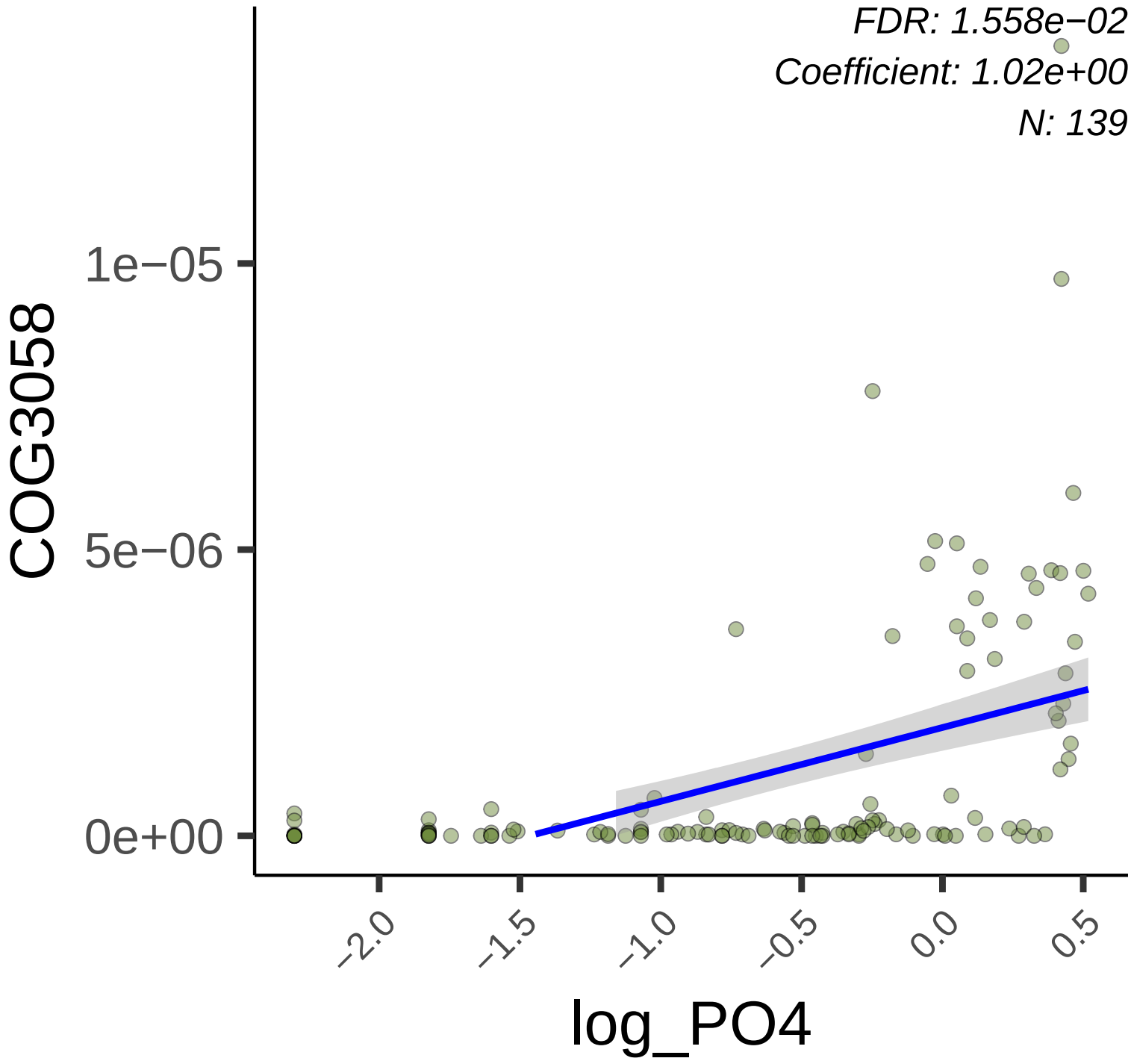
log_PO4


FDR: 1.558e−02
Coefficient: 1.02e+00
N: 139
COG3058
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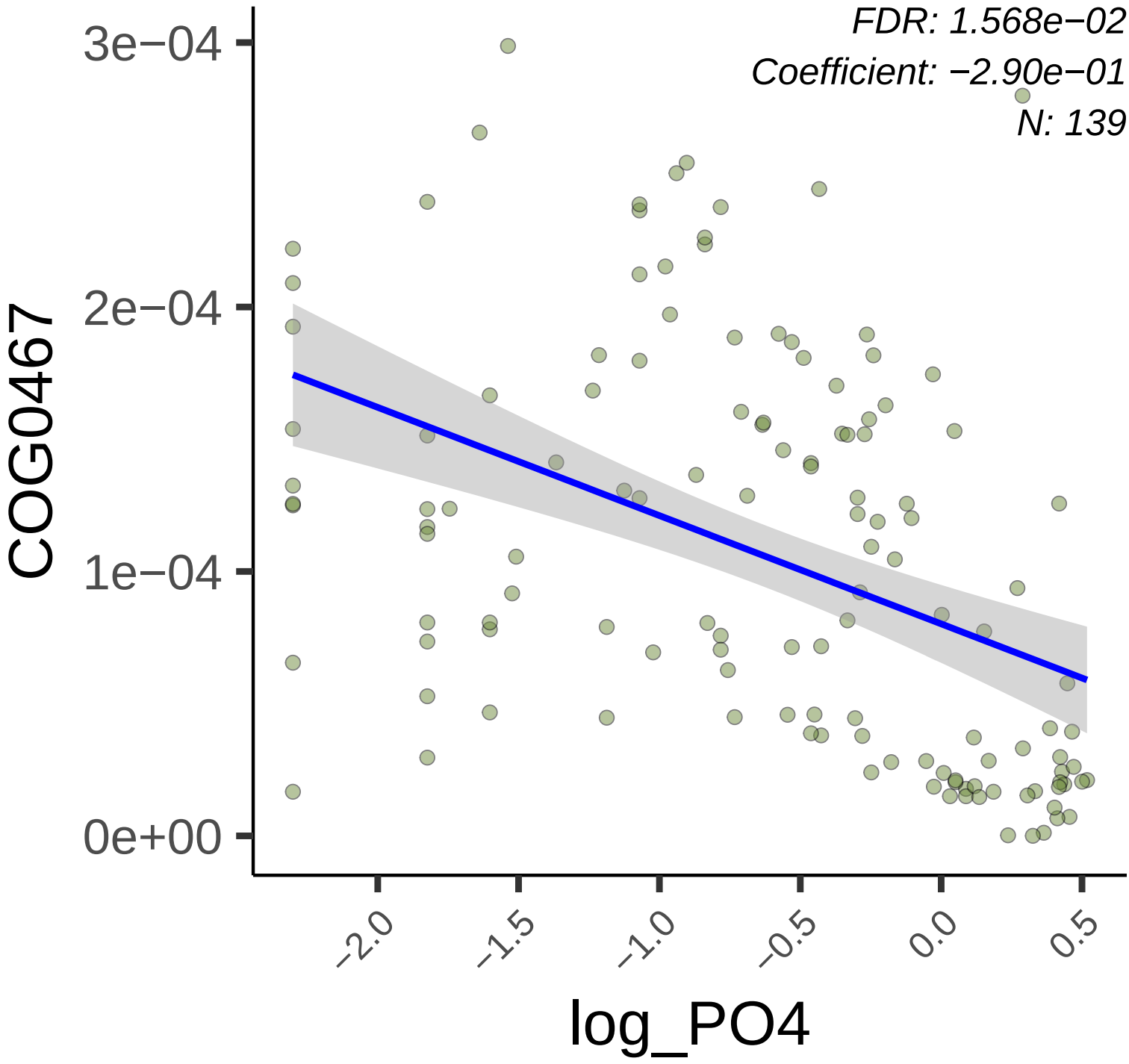
log_PO4


FDR: 1.568e−02
Coefficient: −2.90e−01
N: 139
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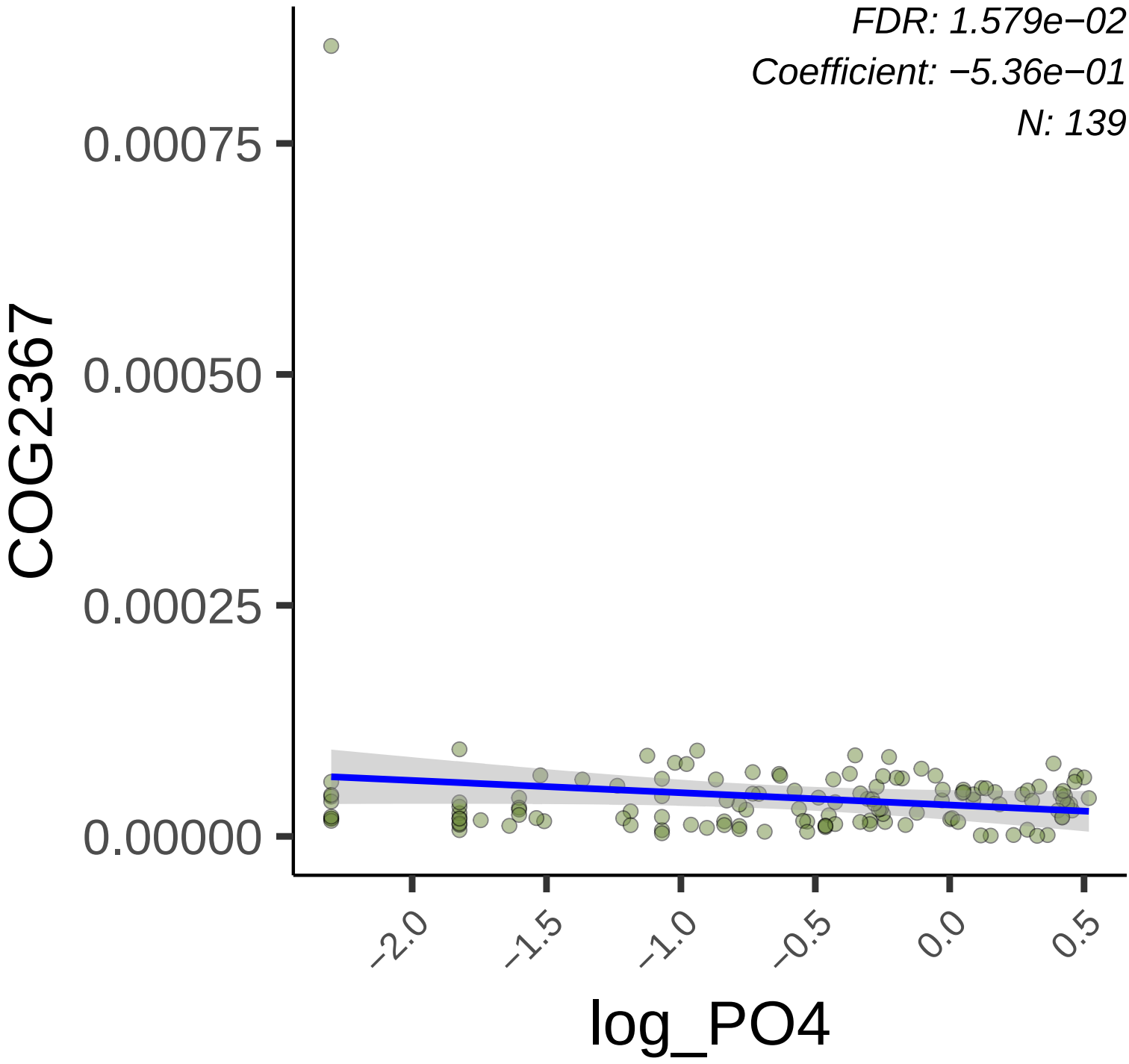
log_PO4


FDR: 1.579e−02
Coefficient: −5.36e−01
N: 139
COG2367
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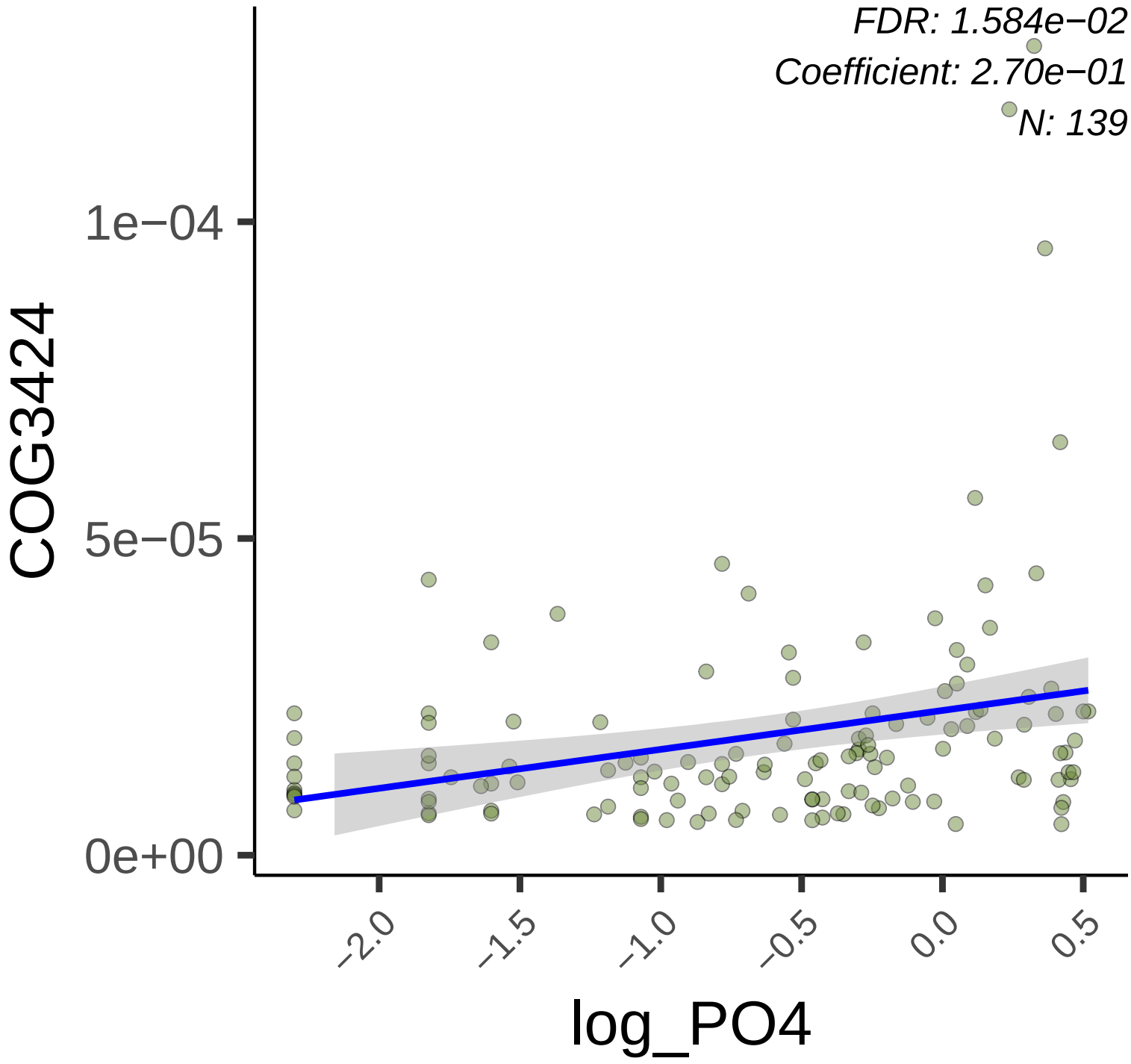
log_PO4


FDR: 1.584e−02
Coefficient: 2.70e−01
N: 139
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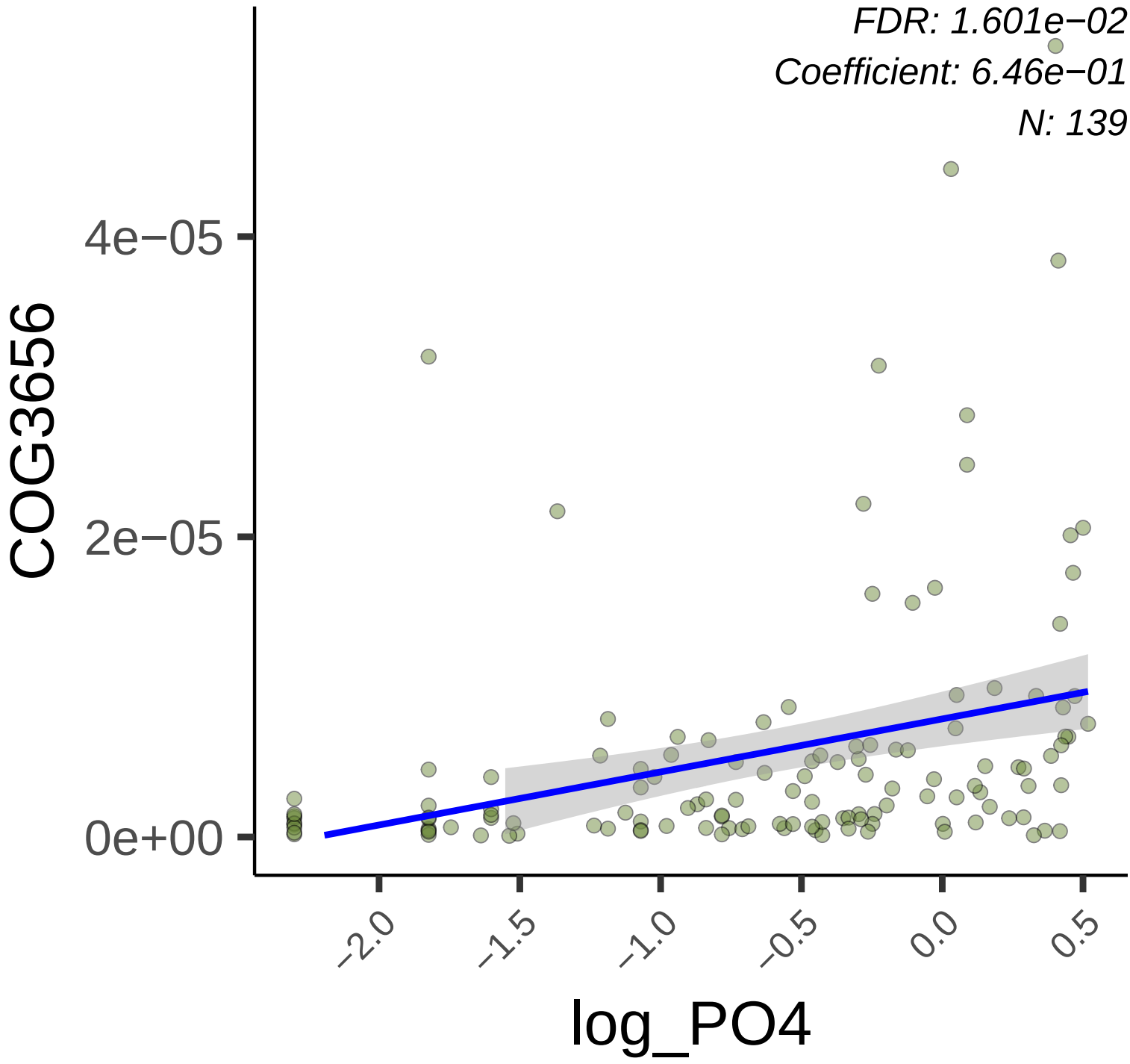
log_PO4


FDR: 1.601e−02
Coefficient: 6.46e−01
N: 139
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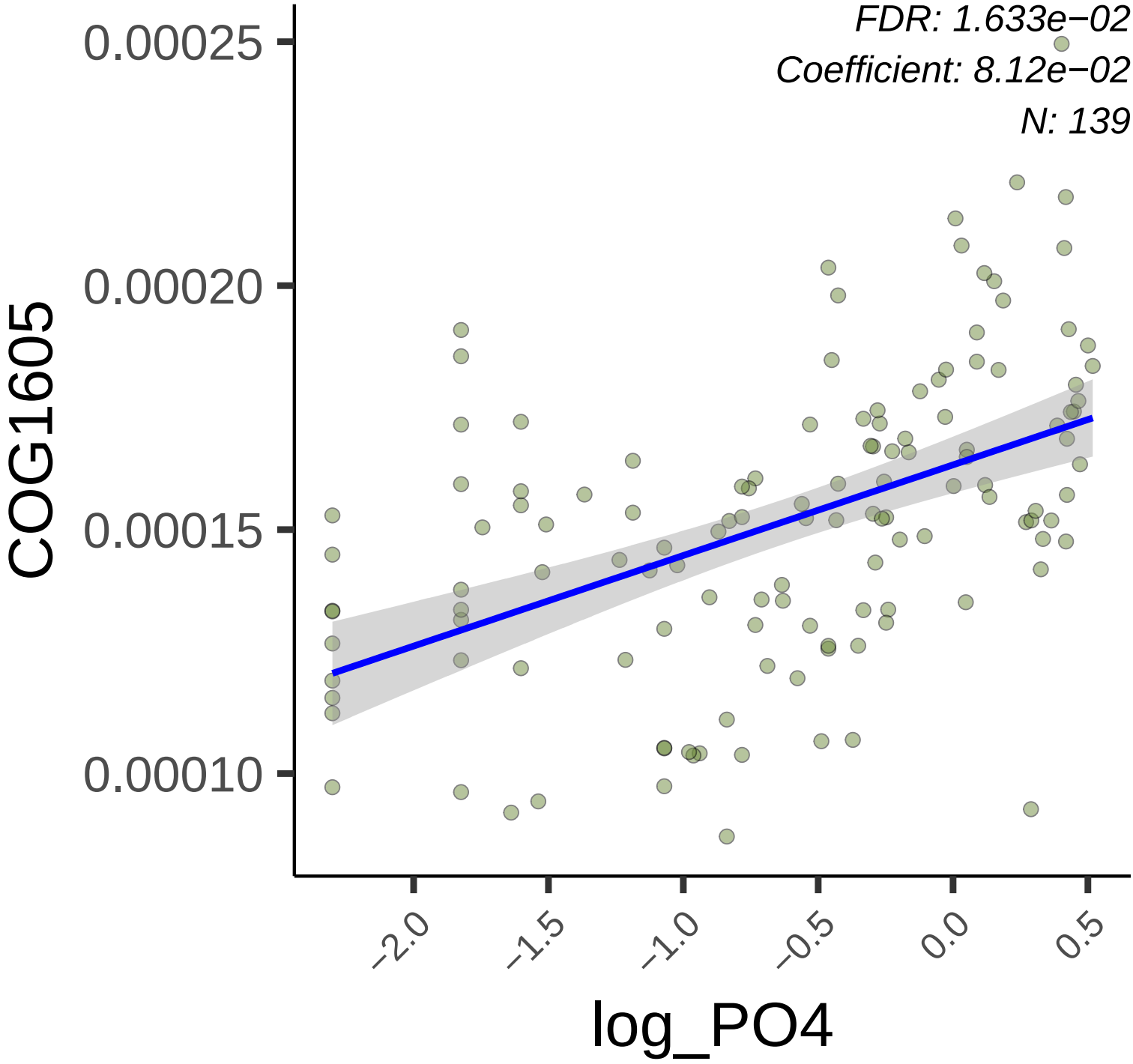
log_PO4


FDR: 1.633e−02
Coefficient: 8.12e−02
N: 139
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COG1605
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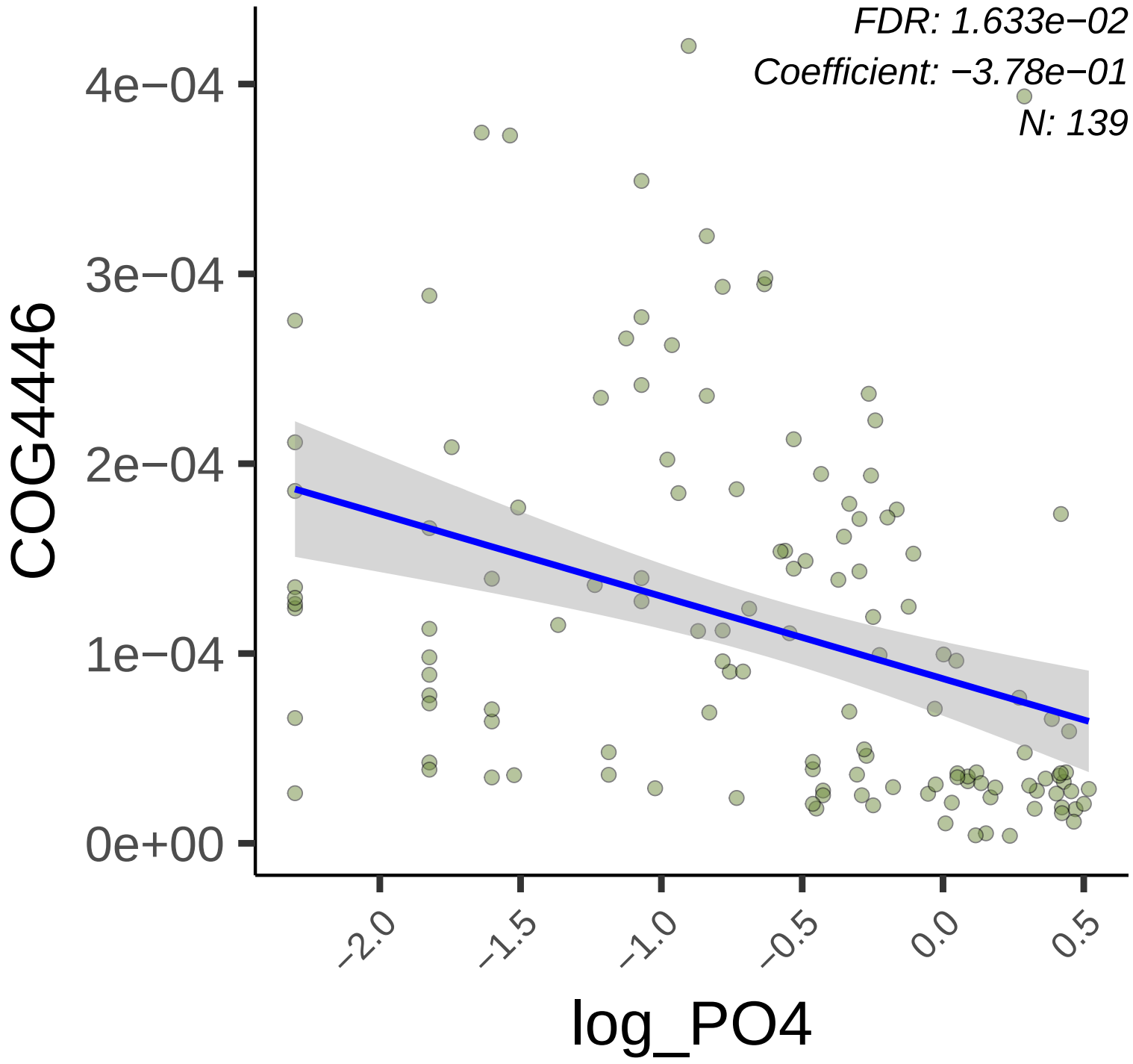
log_PO4


FDR: 1.633e−02
Coefficient: −3.78e−01
N: 139
COG4446
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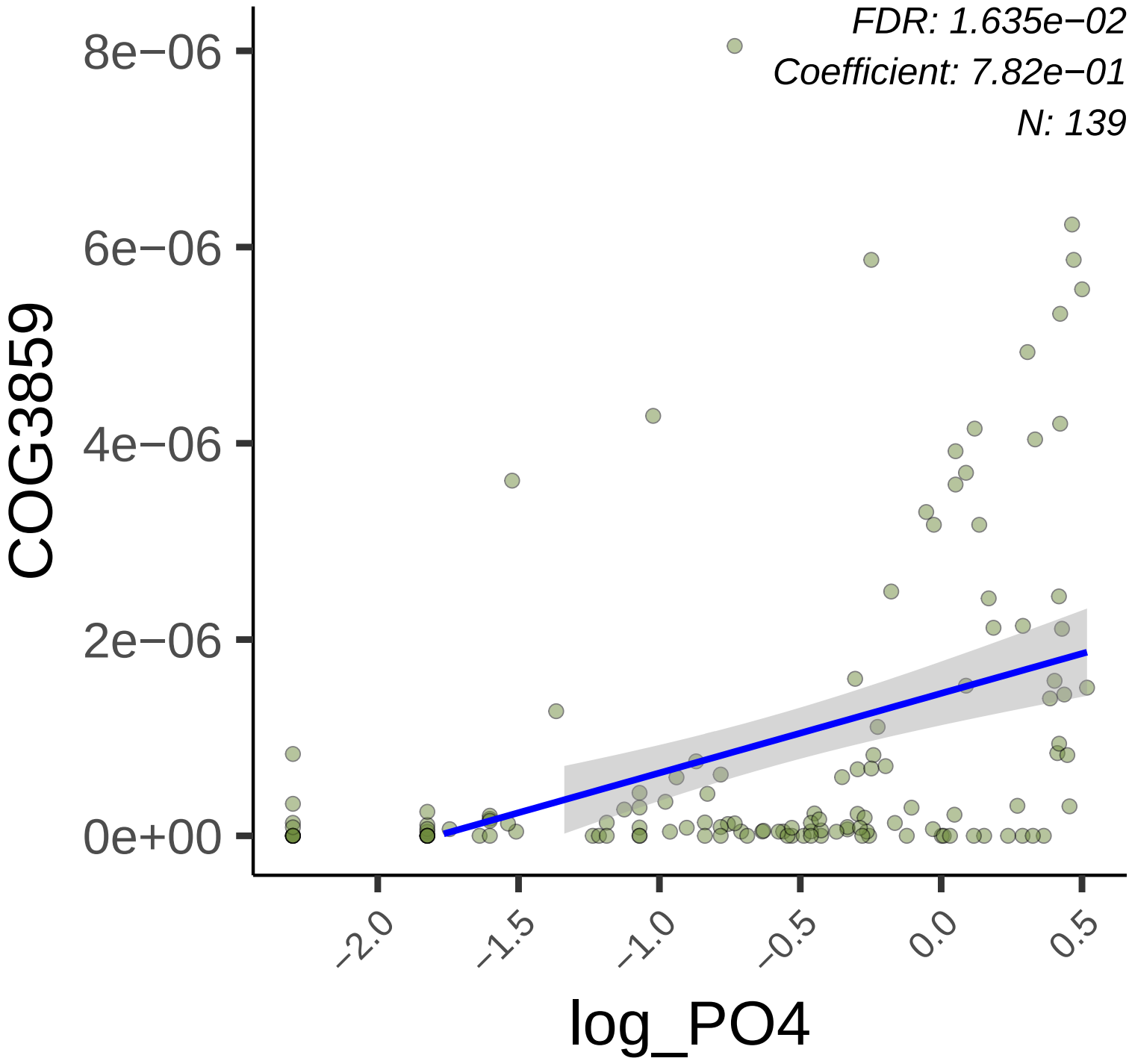
log_PO4


FDR: 1.635e−02
Coefficient: 7.82e−01
N: 139
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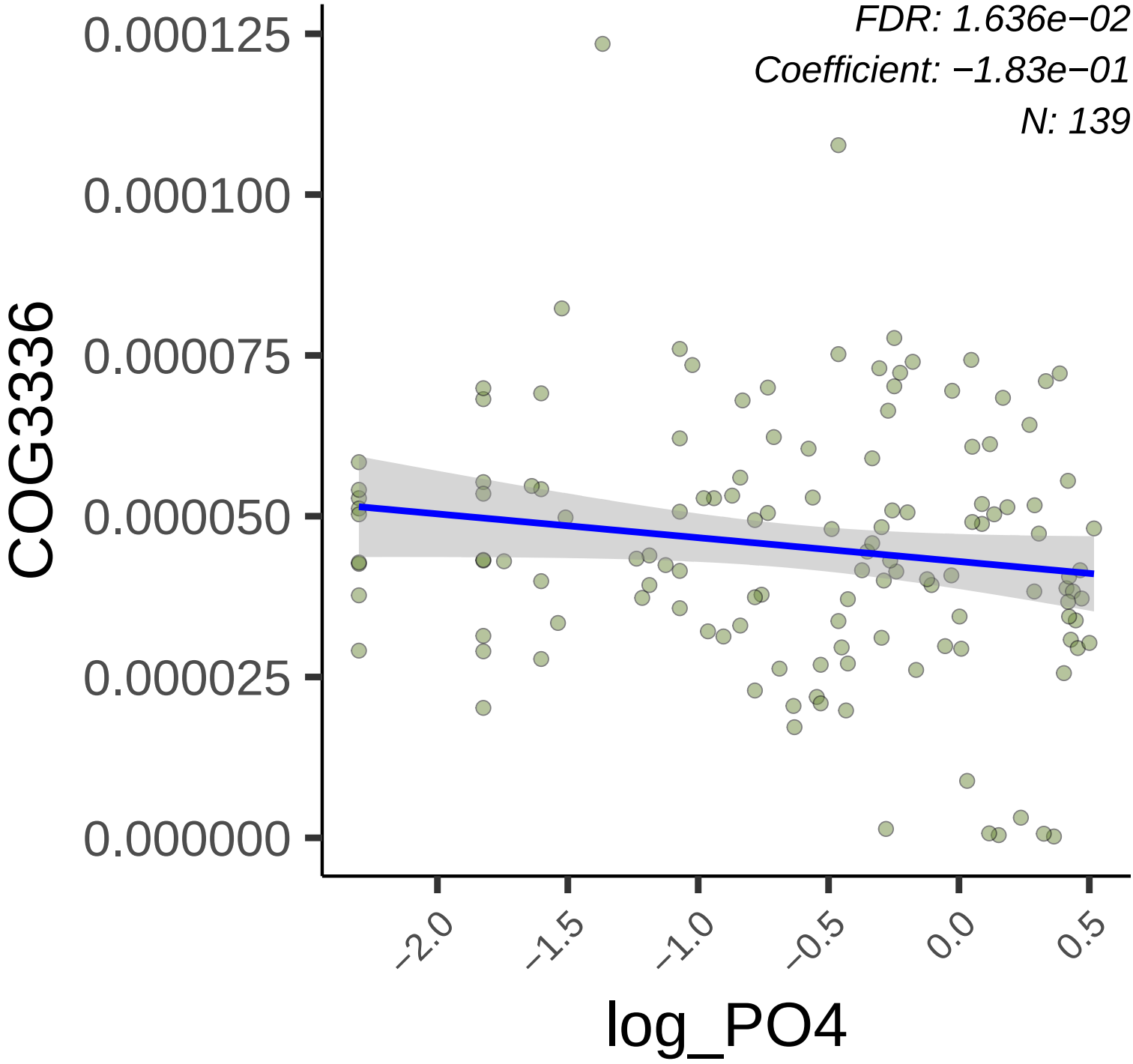
log_PO4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Coefficient: −1.83e−01
N: 139
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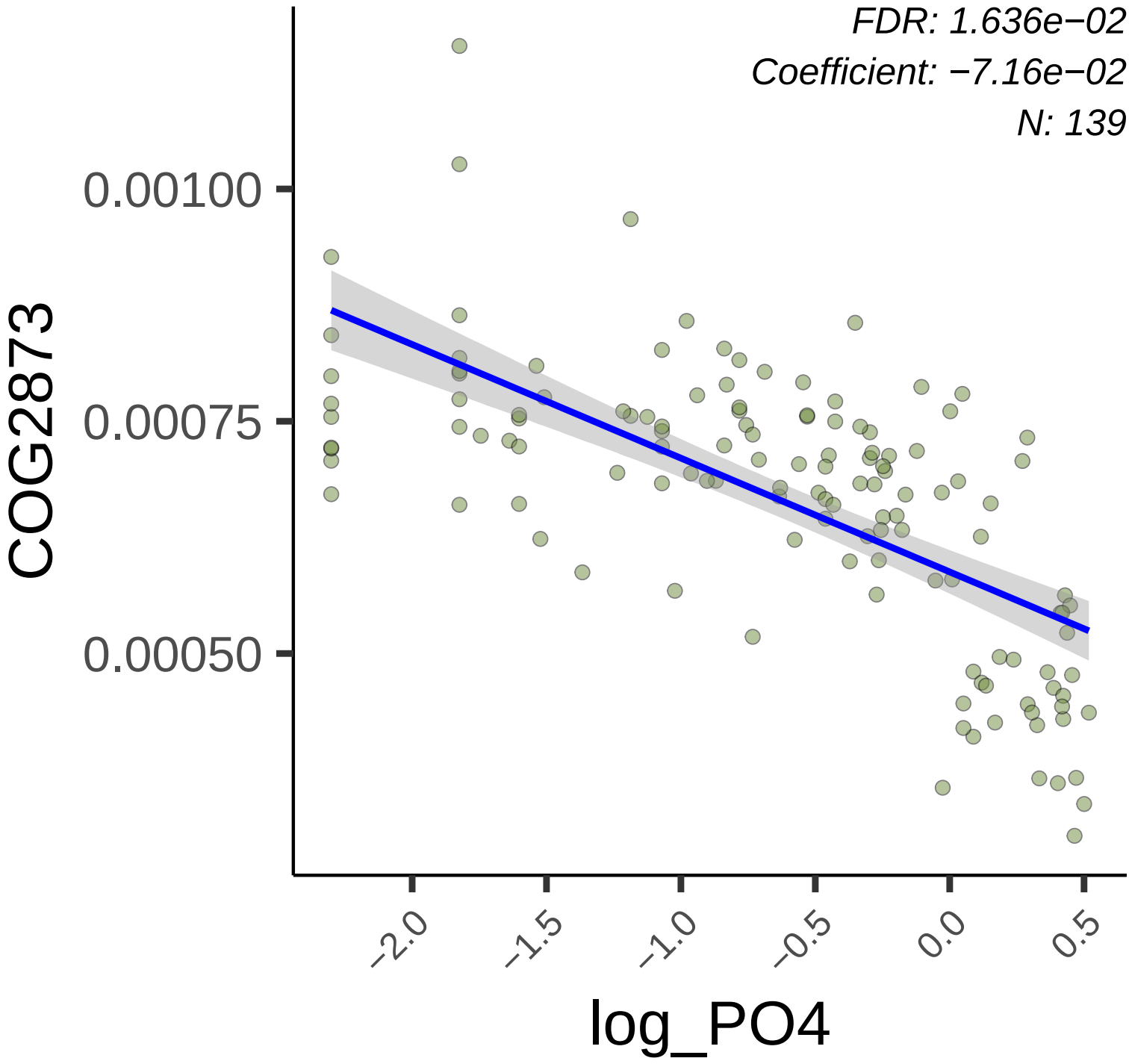
log_PO4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N: 139
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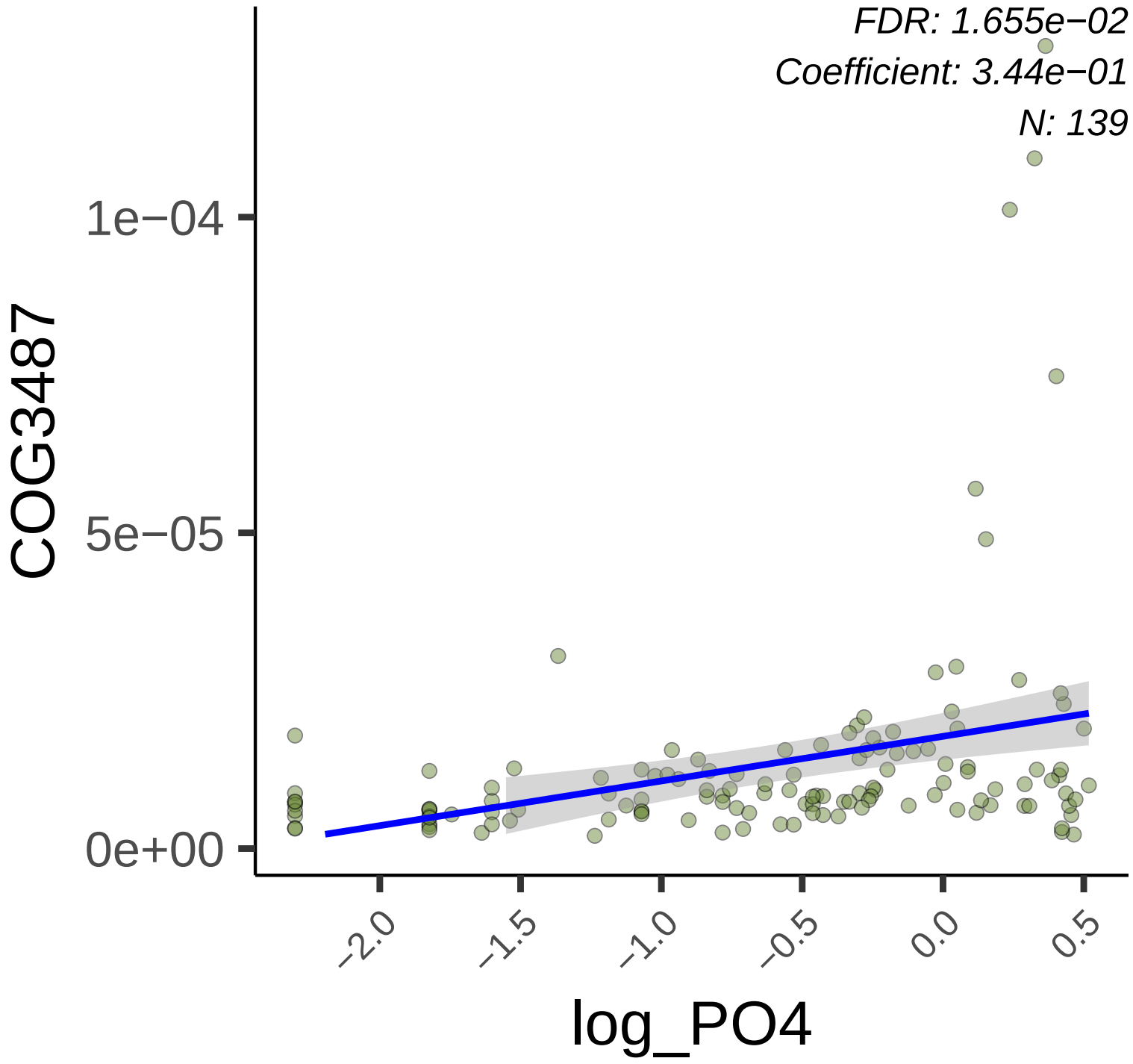
log_PO4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Coefficient: 3.44e−01
N: 139
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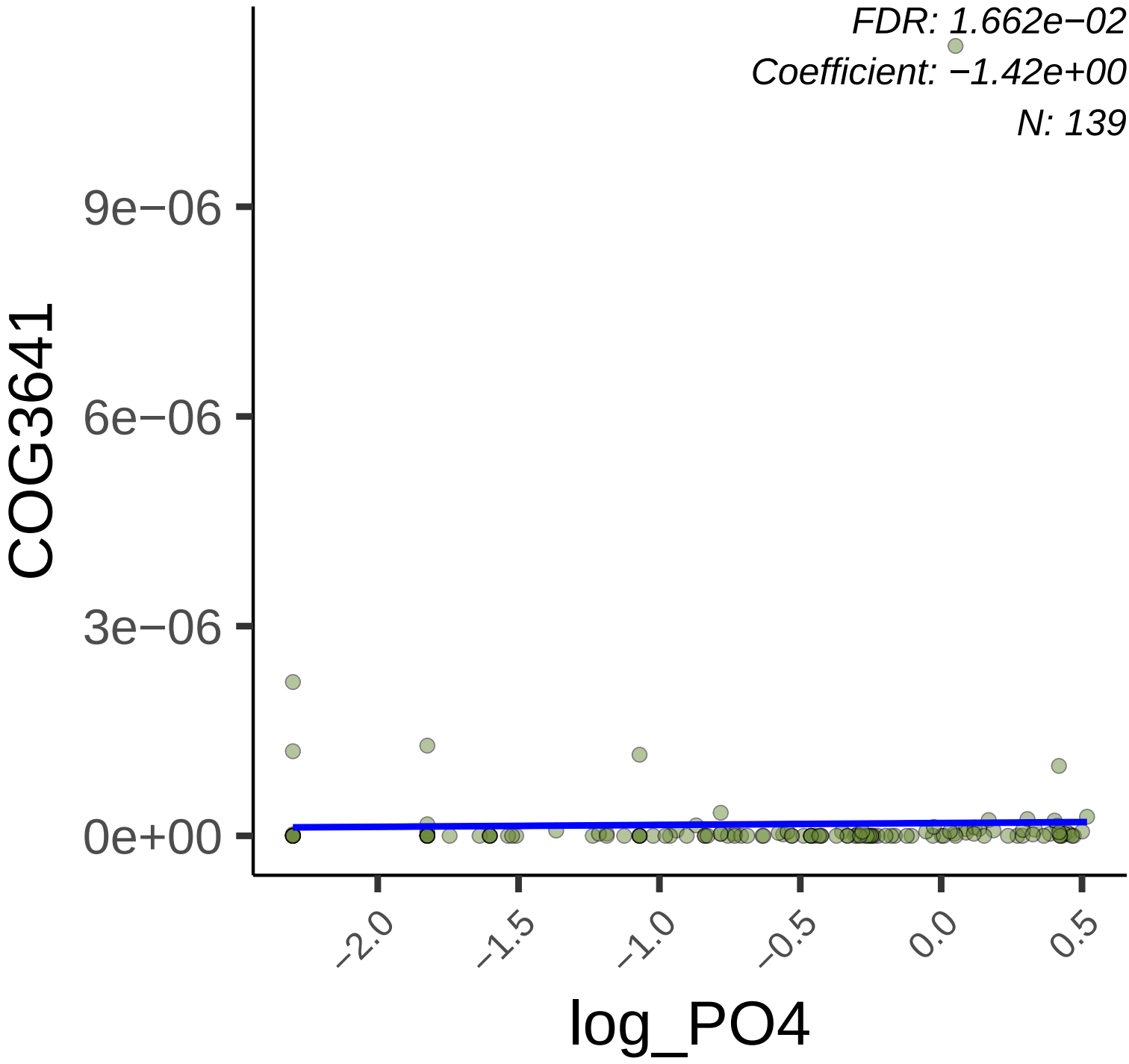
log_PO4


FDR: 1.662e−02
Coefficient: −1.42e+00
N: 139
COG3641
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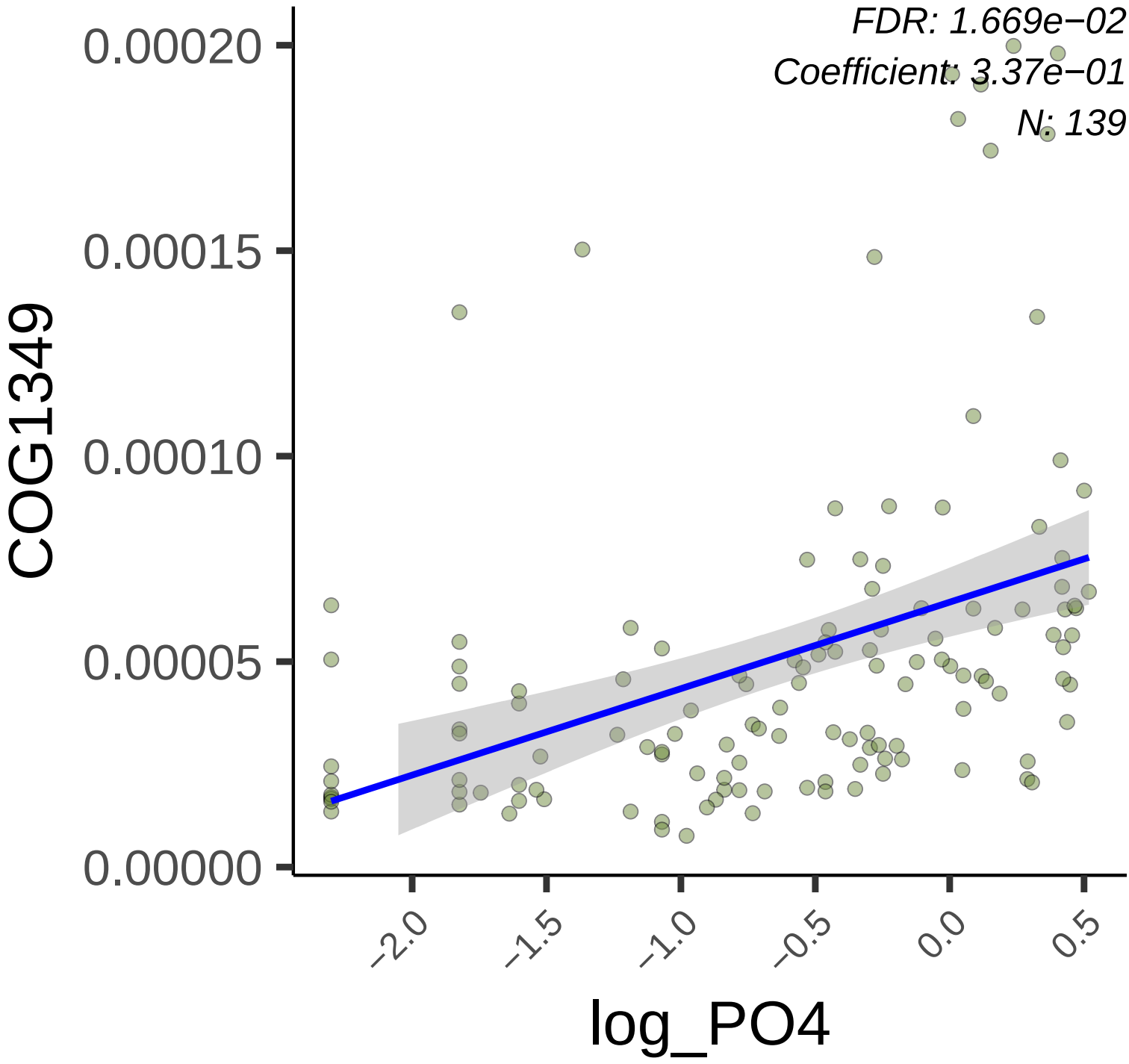
log_PO4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Coefficient: 3.37e−01
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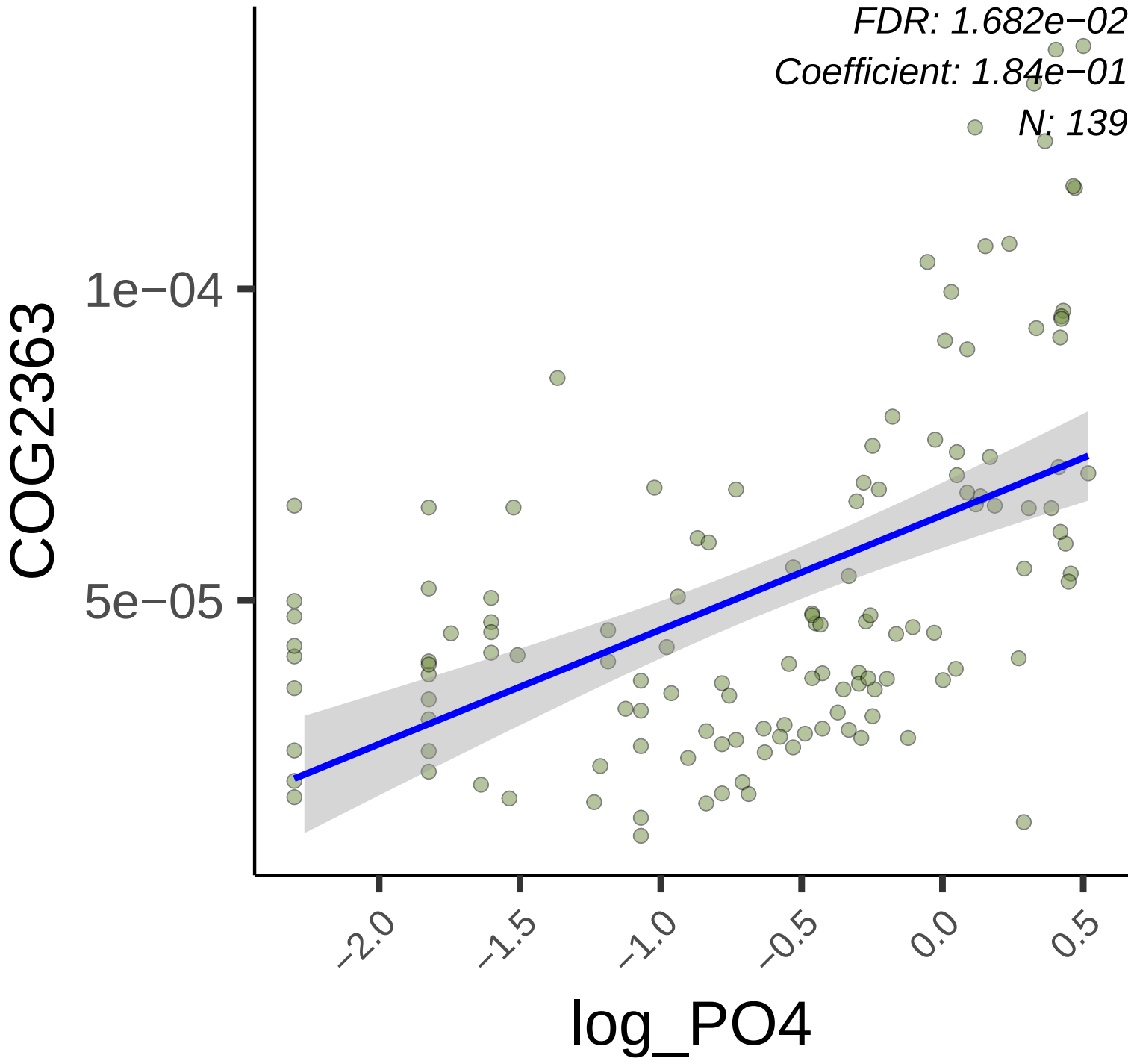
log_PO4


FDR: 1.682e−02
Coefficient: 1.84e−01
N: 139
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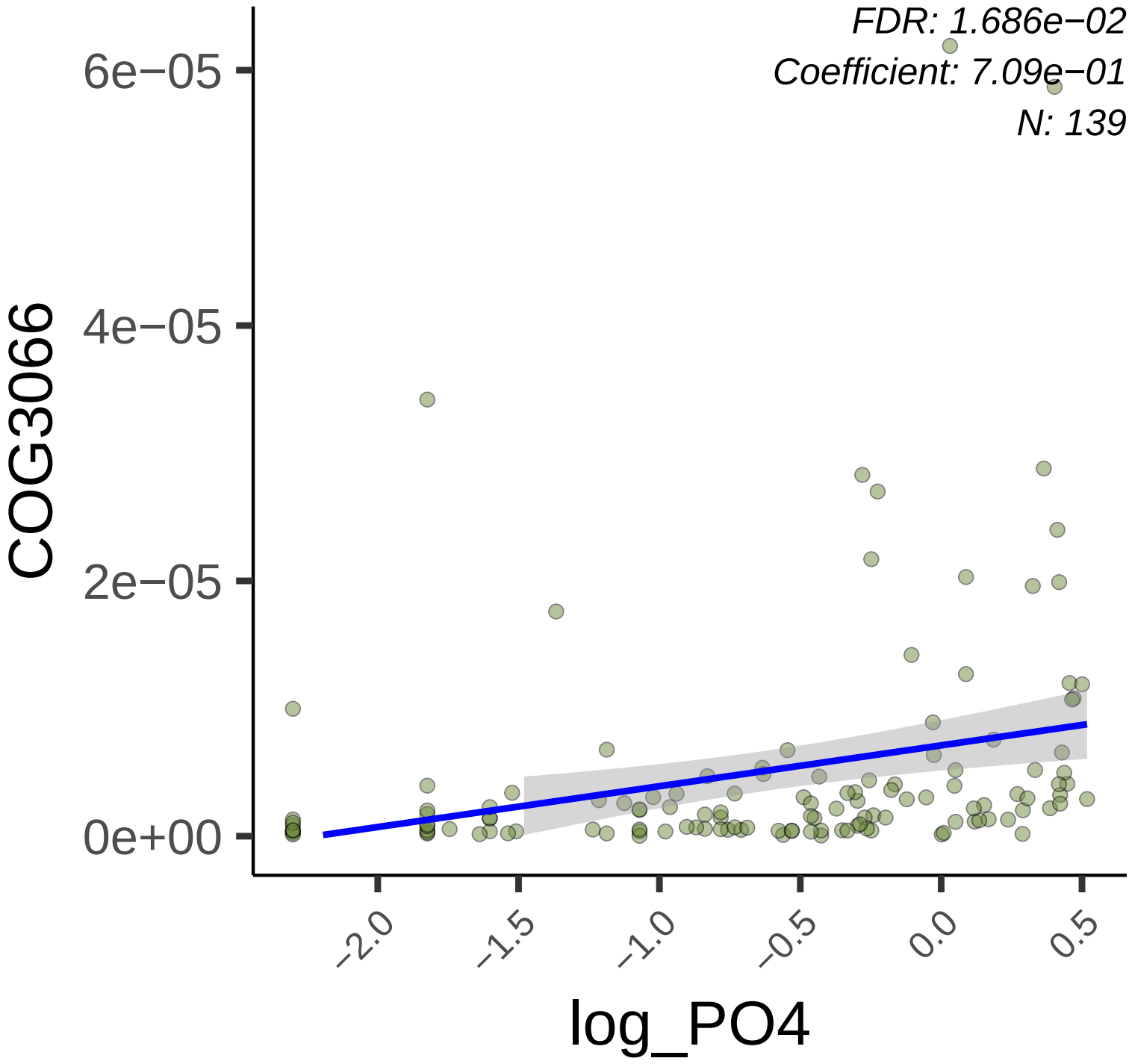
log_PO4


FDR: 1.686e−02
Coefficient: 7.09e−01
N: 139
COG3066
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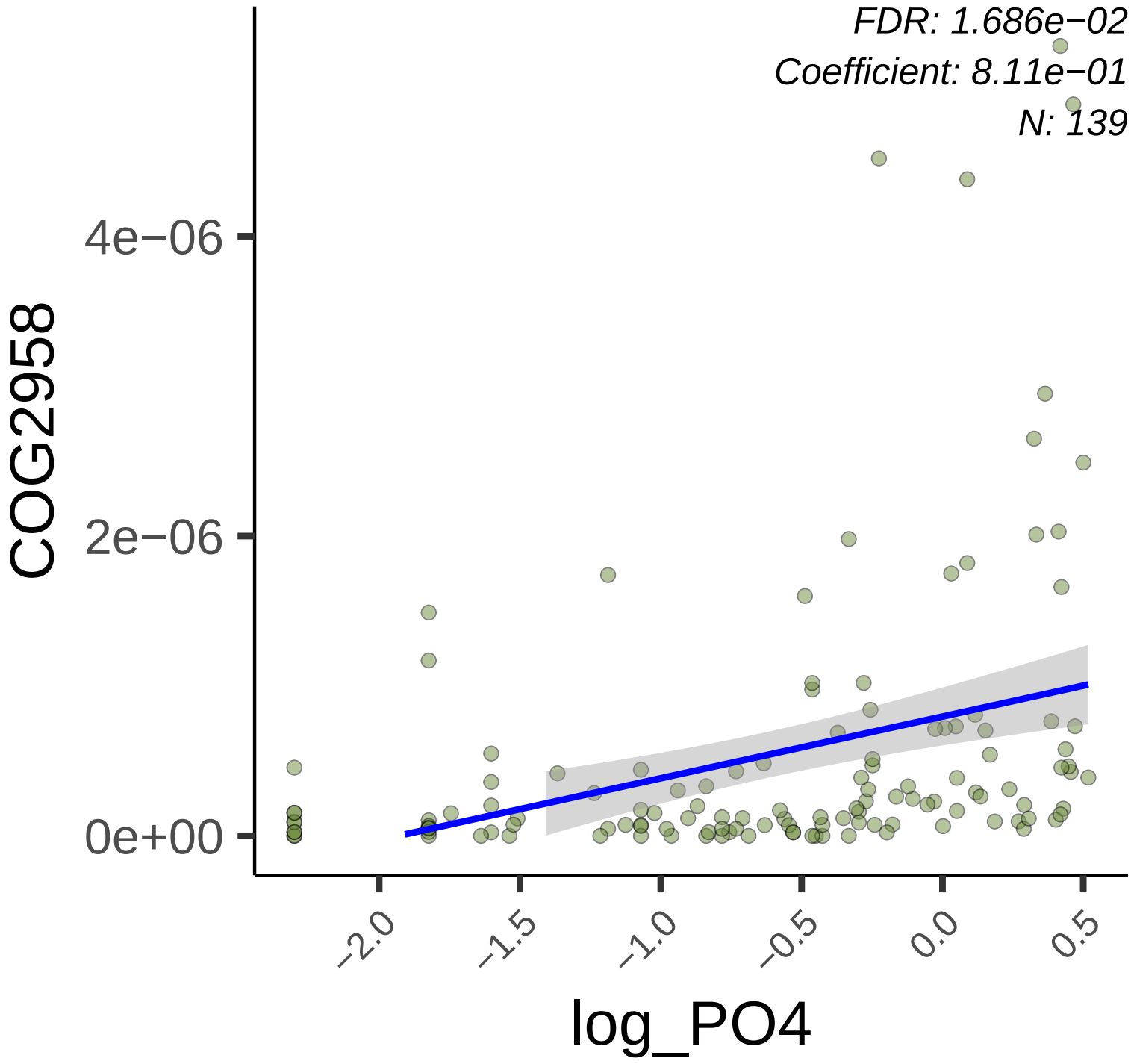
log_PO4


FDR: 1.686e−02
Coefficient: 8.11e−01
N: 139
COG2958
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−2.0
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0.0
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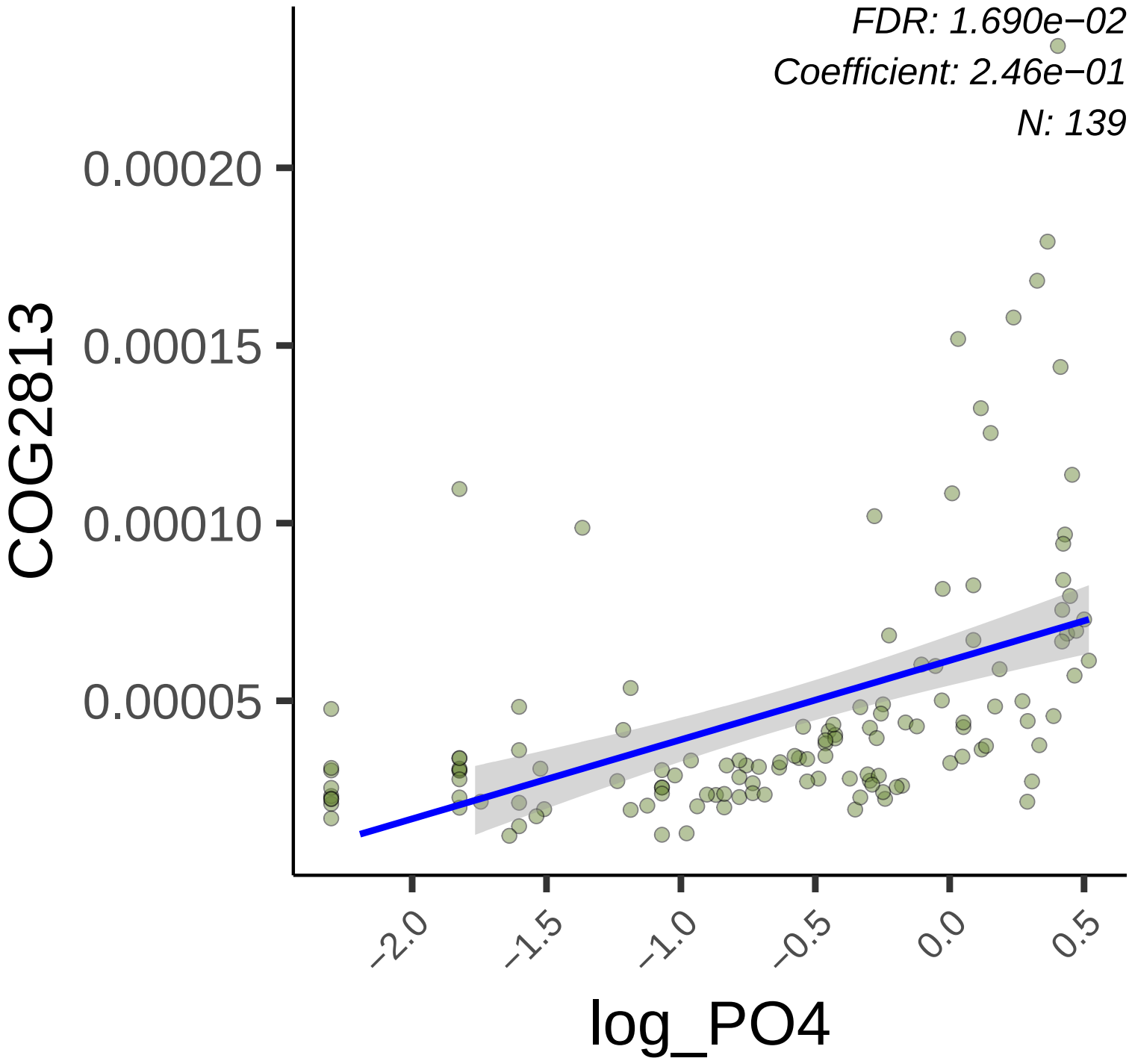
log_PO4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Coefficient: 2.46e−01
N: 139
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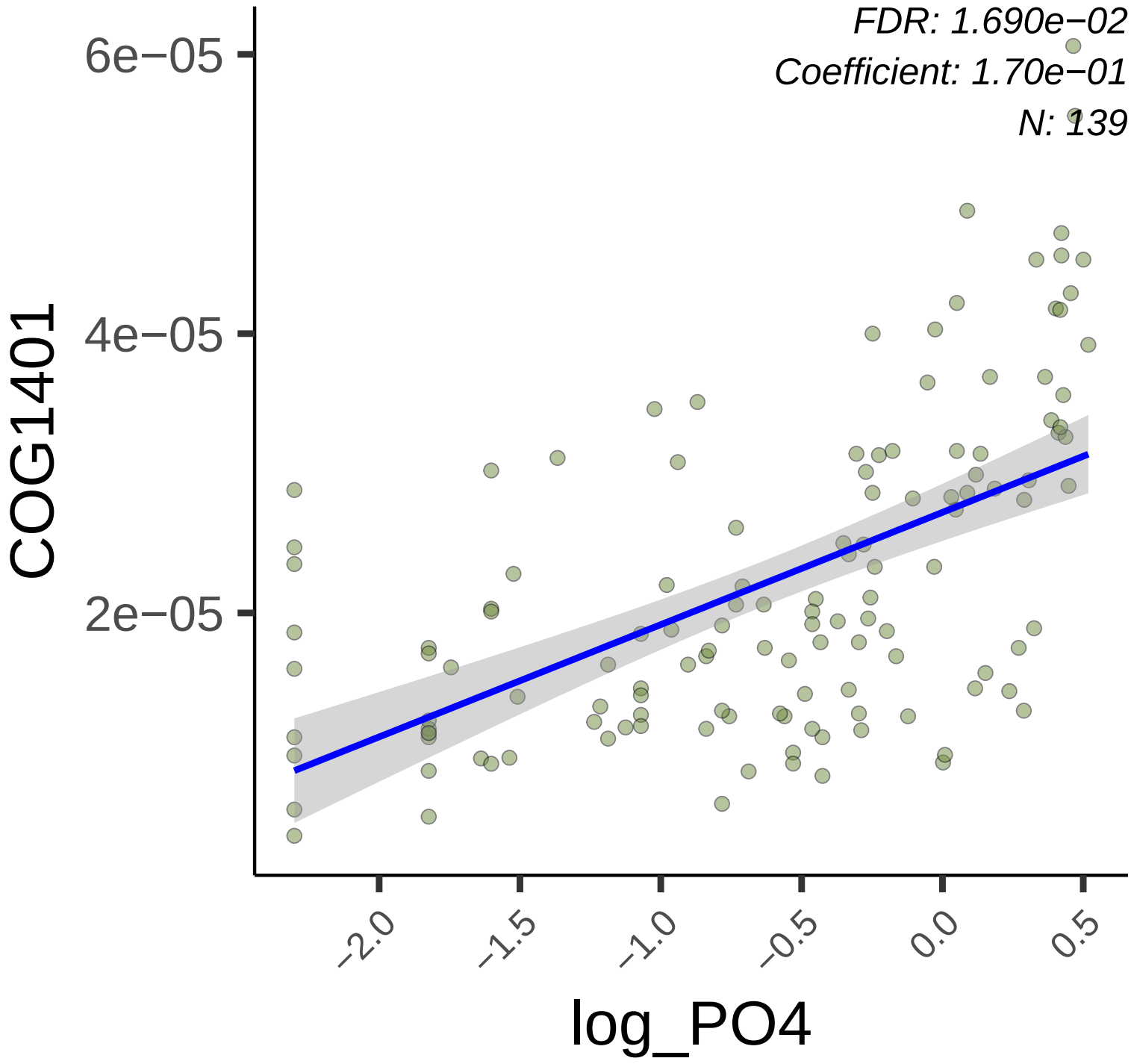
log_PO4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Coefficient: 1.70e−01
N: 139
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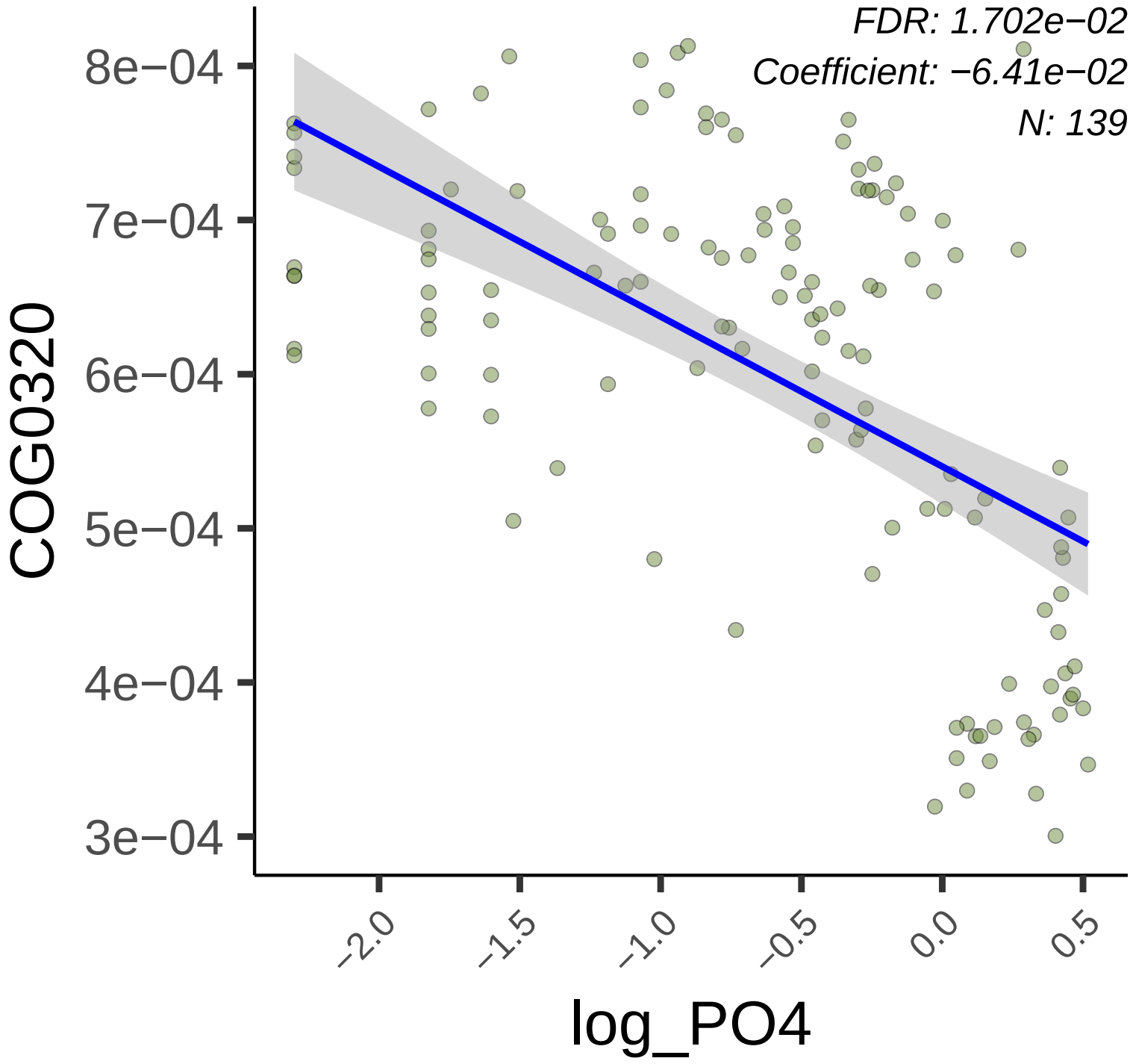
log_PO4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Coefficient: −6.41e−02
N: 139
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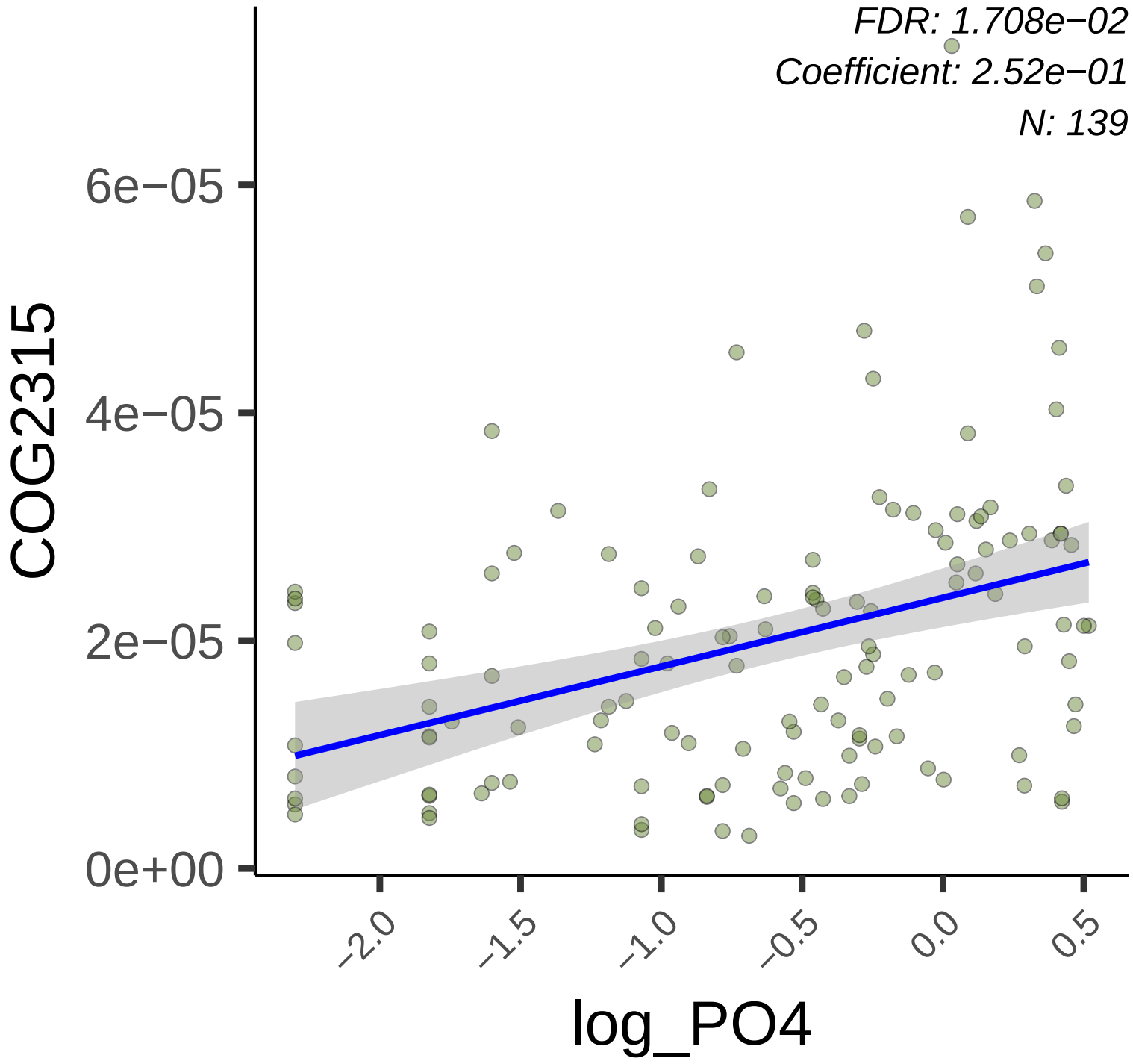
log_PO4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Coefficient: 2.52e−01
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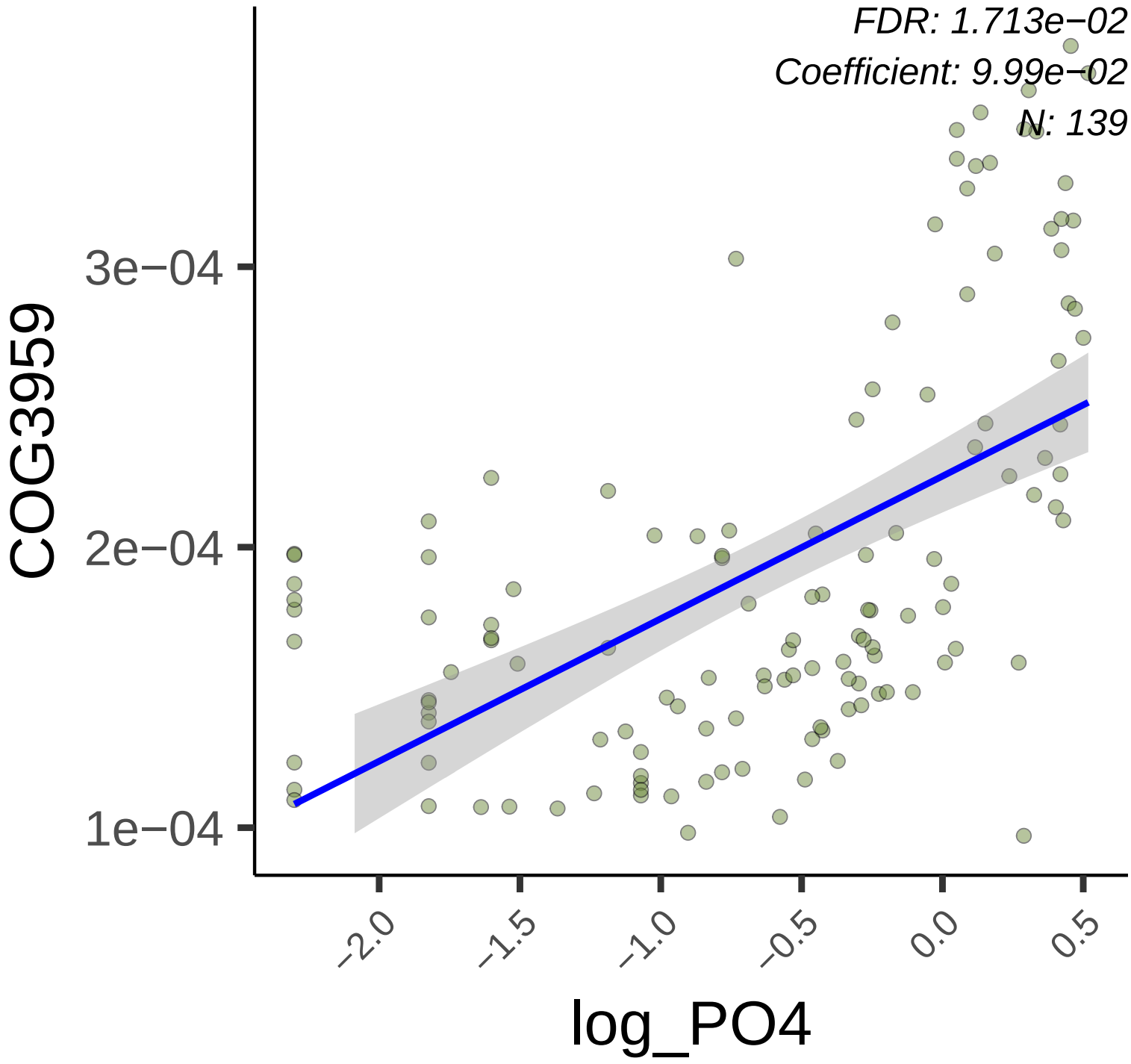
log_PO4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Coefficient: 9.99e−02
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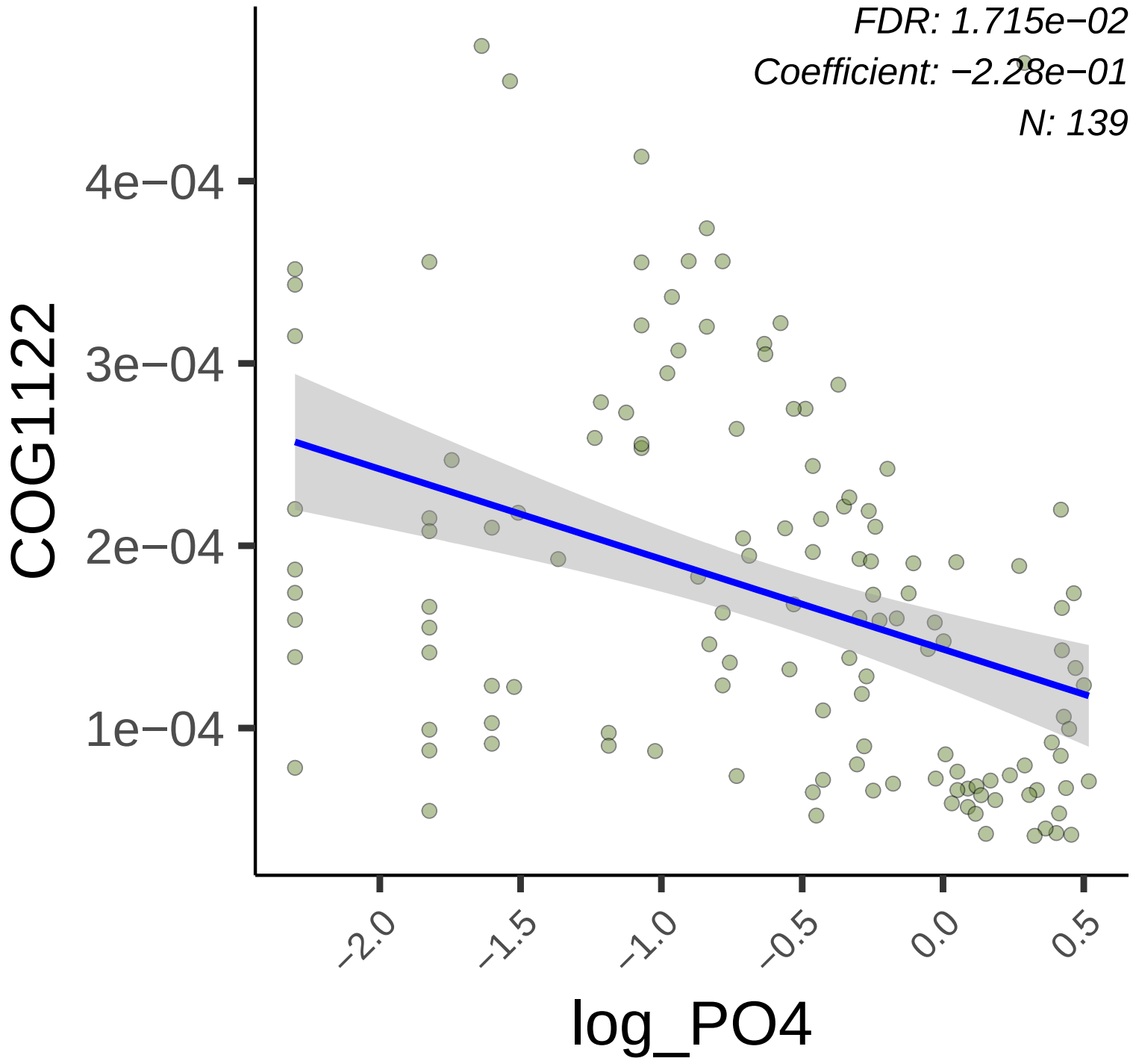
log_PO4


FDR: 1.715e−02
Coefficient: −2.28e−01
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COG1122
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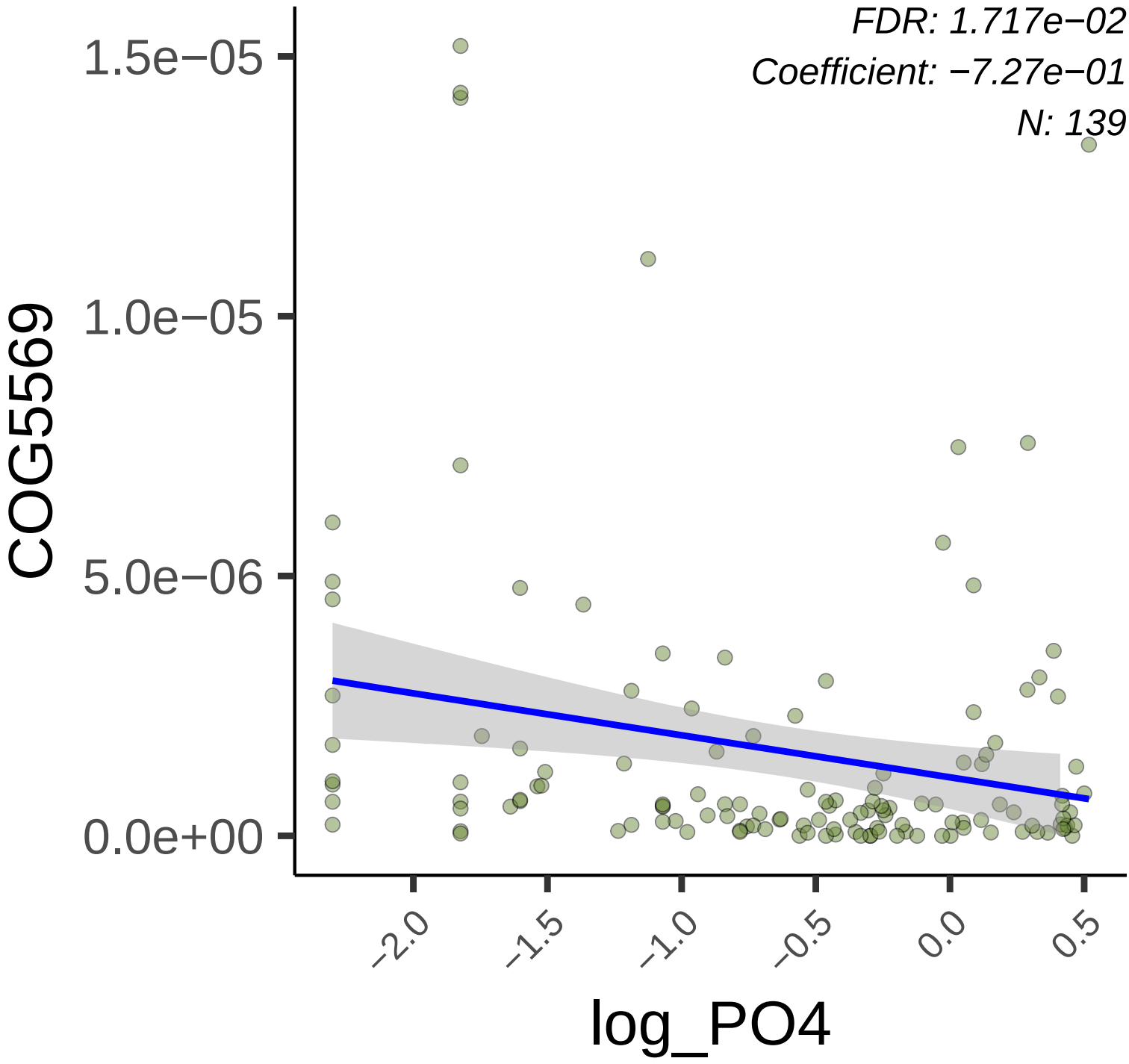
log_PO4


FDR: 1.717e−02
Coefficient: −7.27e−01
N: 139
COG5569
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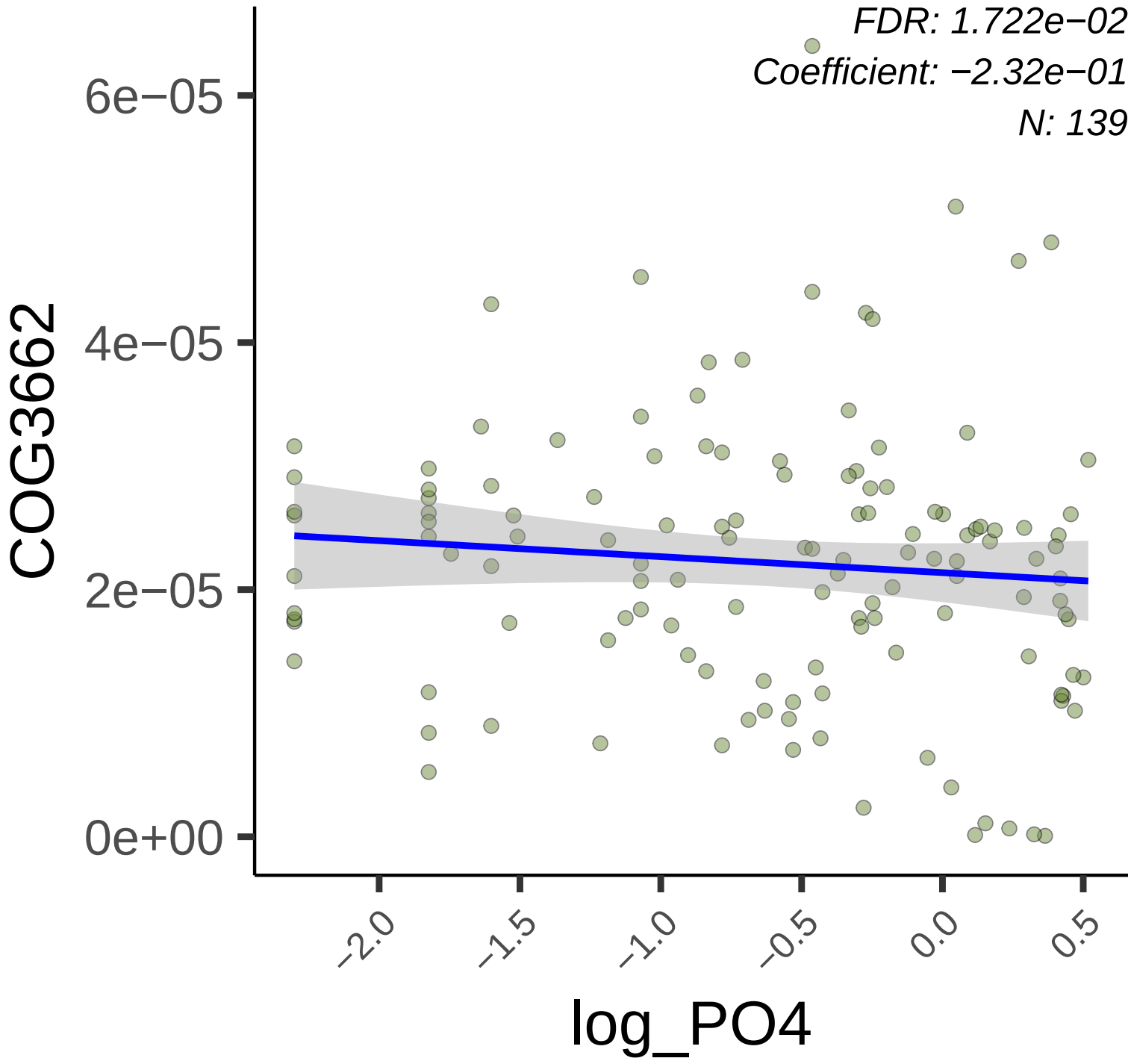
log_PO4


FDR: 1.722e−02
Coefficient: −2.32e−01
N: 139
COG3662
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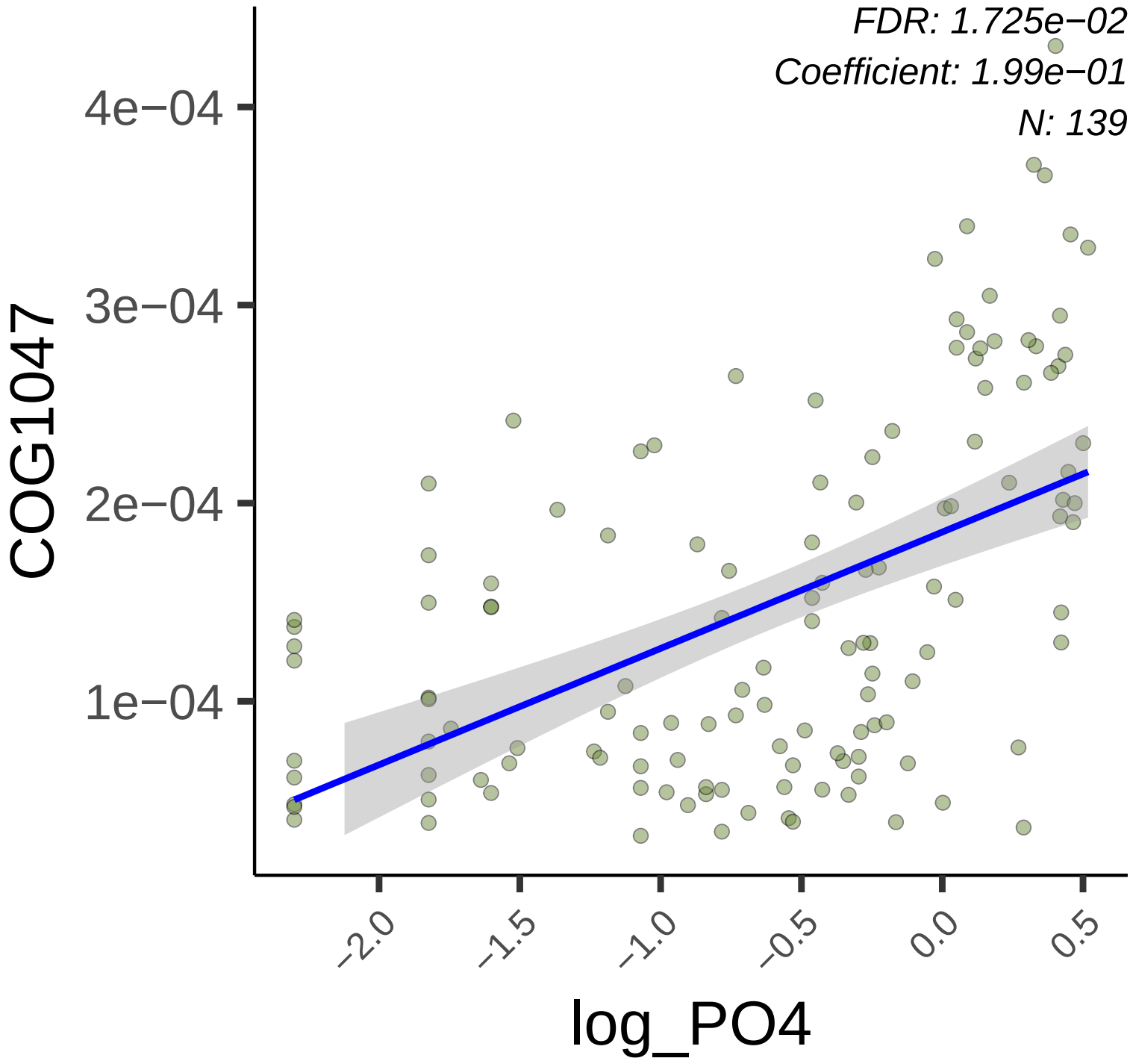
log_PO4


FDR: 1.725e−02
Coefficient: 1.99e−01
N: 139
COG1047
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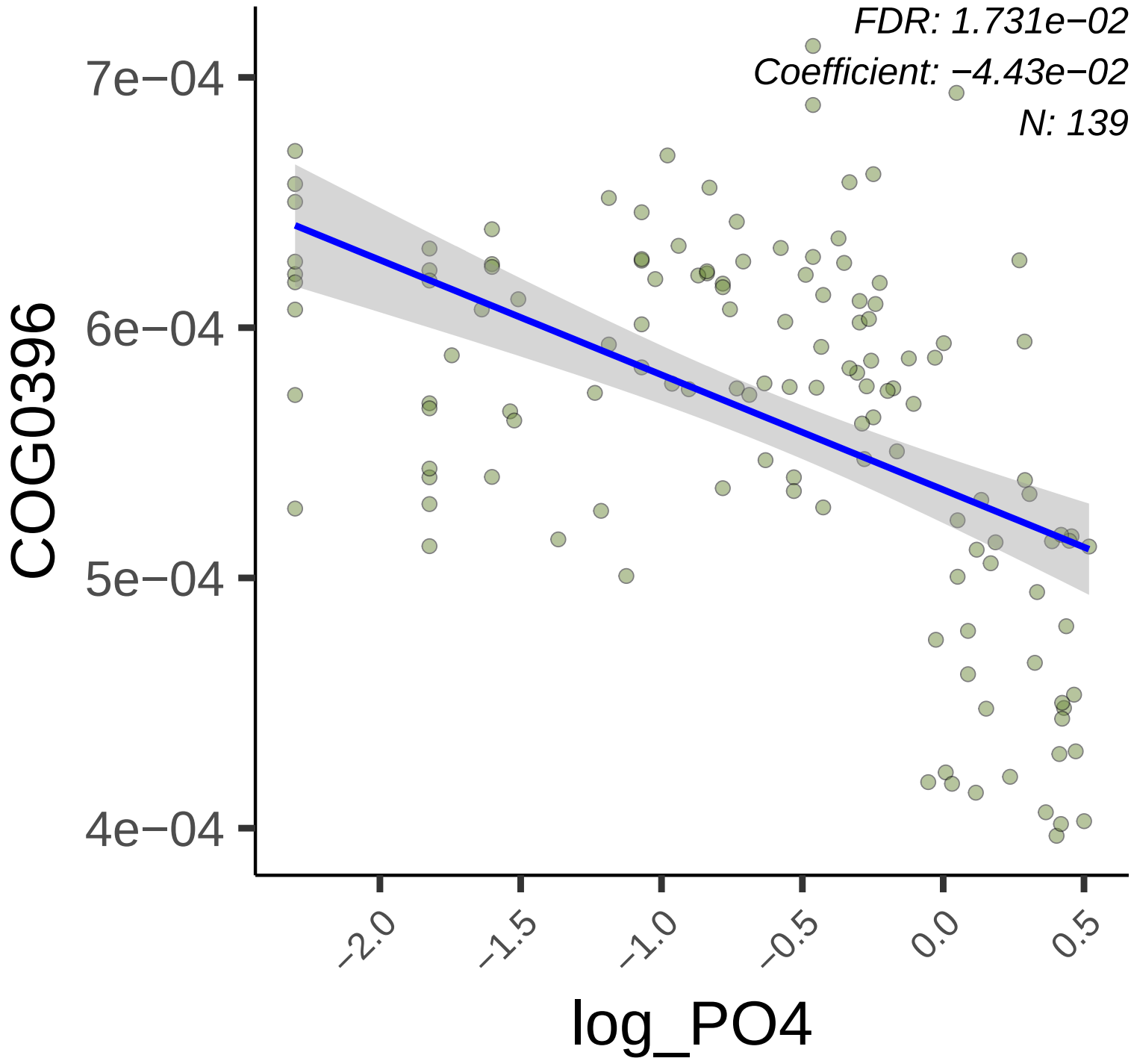
log_PO4


FDR: 1.731e−02
Coefficient: −4.43e−02
N: 139
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6e−04
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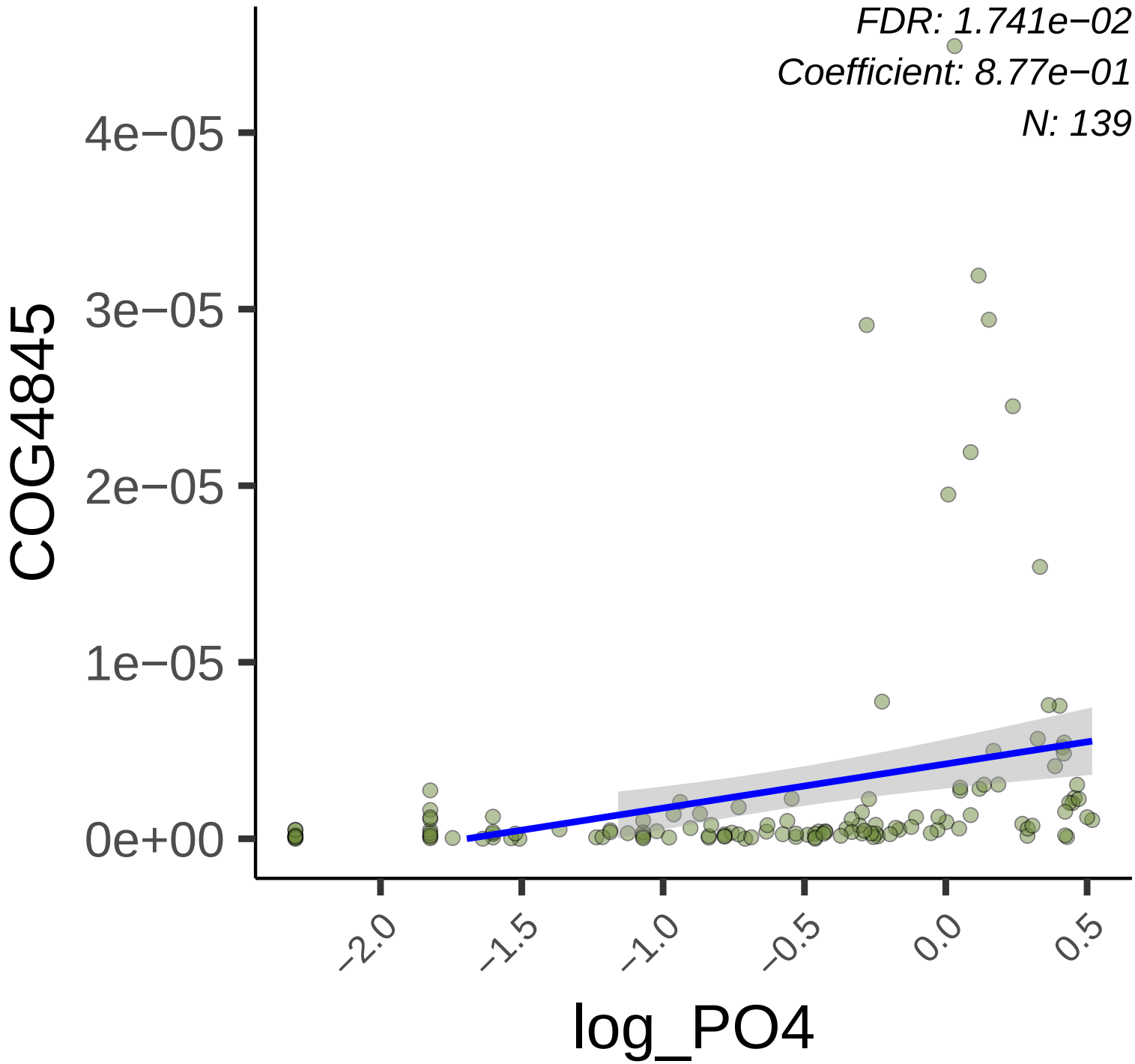
log_PO4


FDR: 1.741e−02
Coefficient: 8.77e−01
N: 139
COG4845
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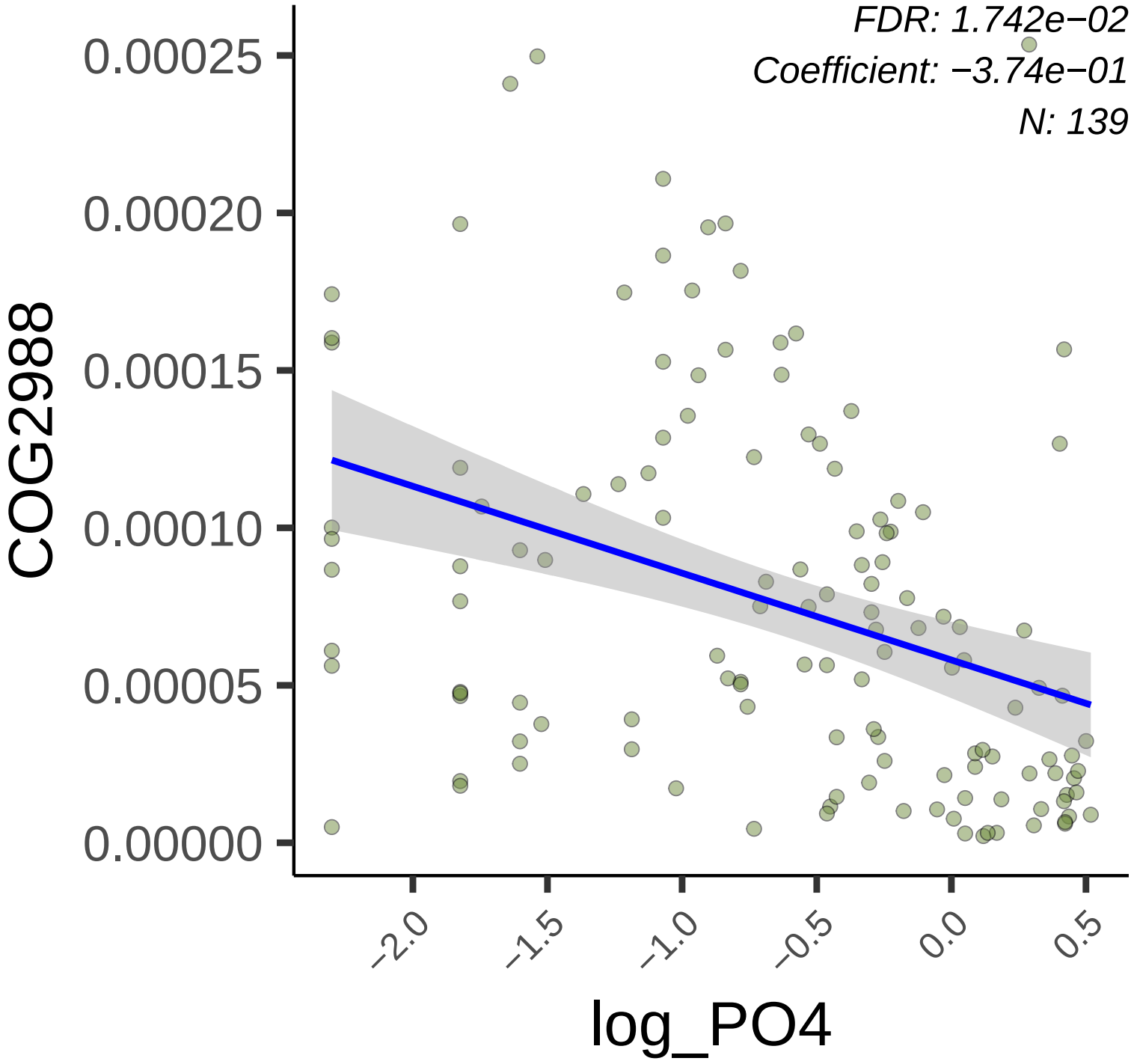
log_PO4


FDR: 1.742e−02
Coefficient: −3.74e−01
N: 139
COG2988
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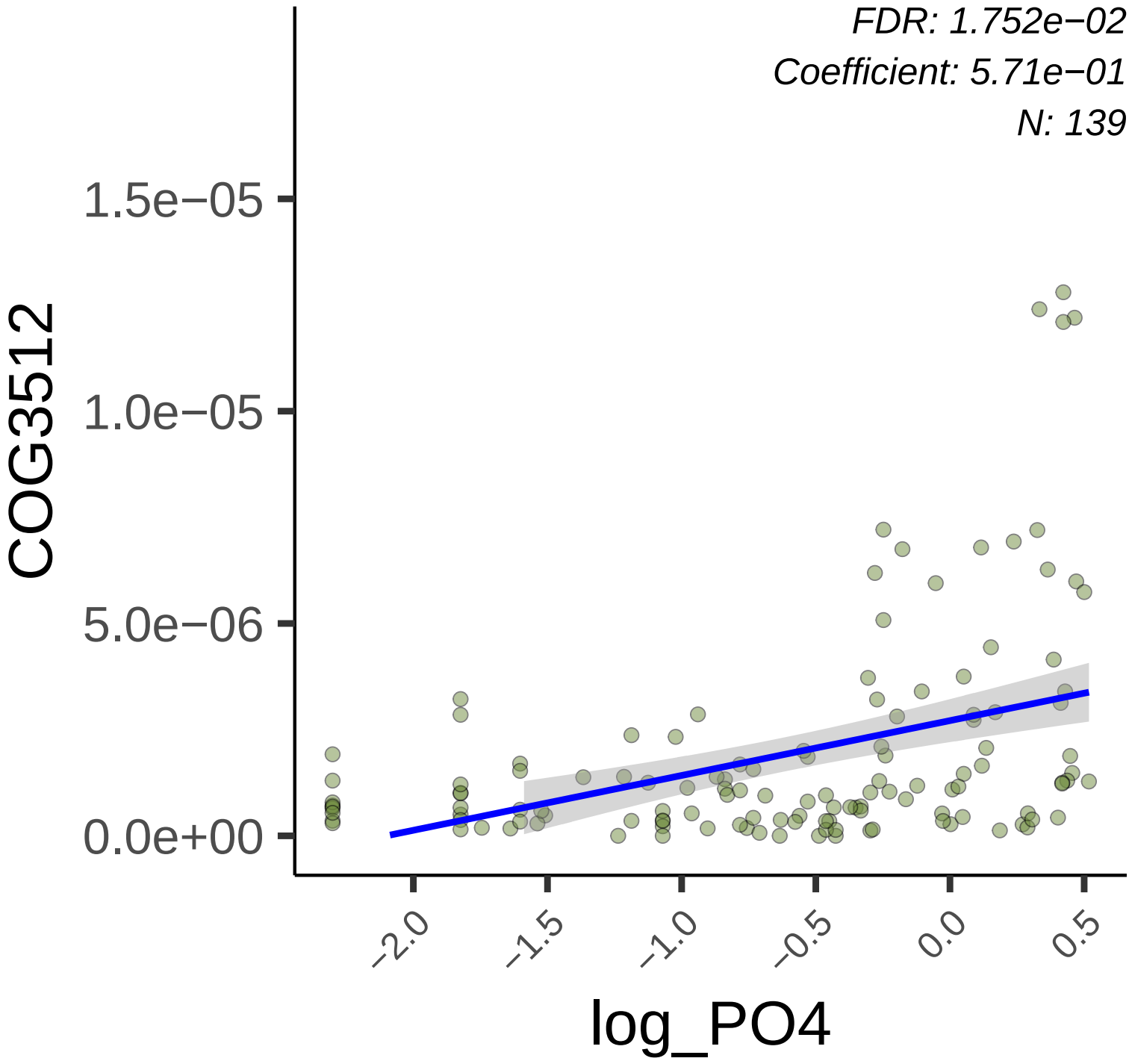
log_PO4


FDR: 1.752e−02
Coefficient: 5.71e−01
N: 139
COG3512
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1.0e−05
5.0e−06
0.0e+00
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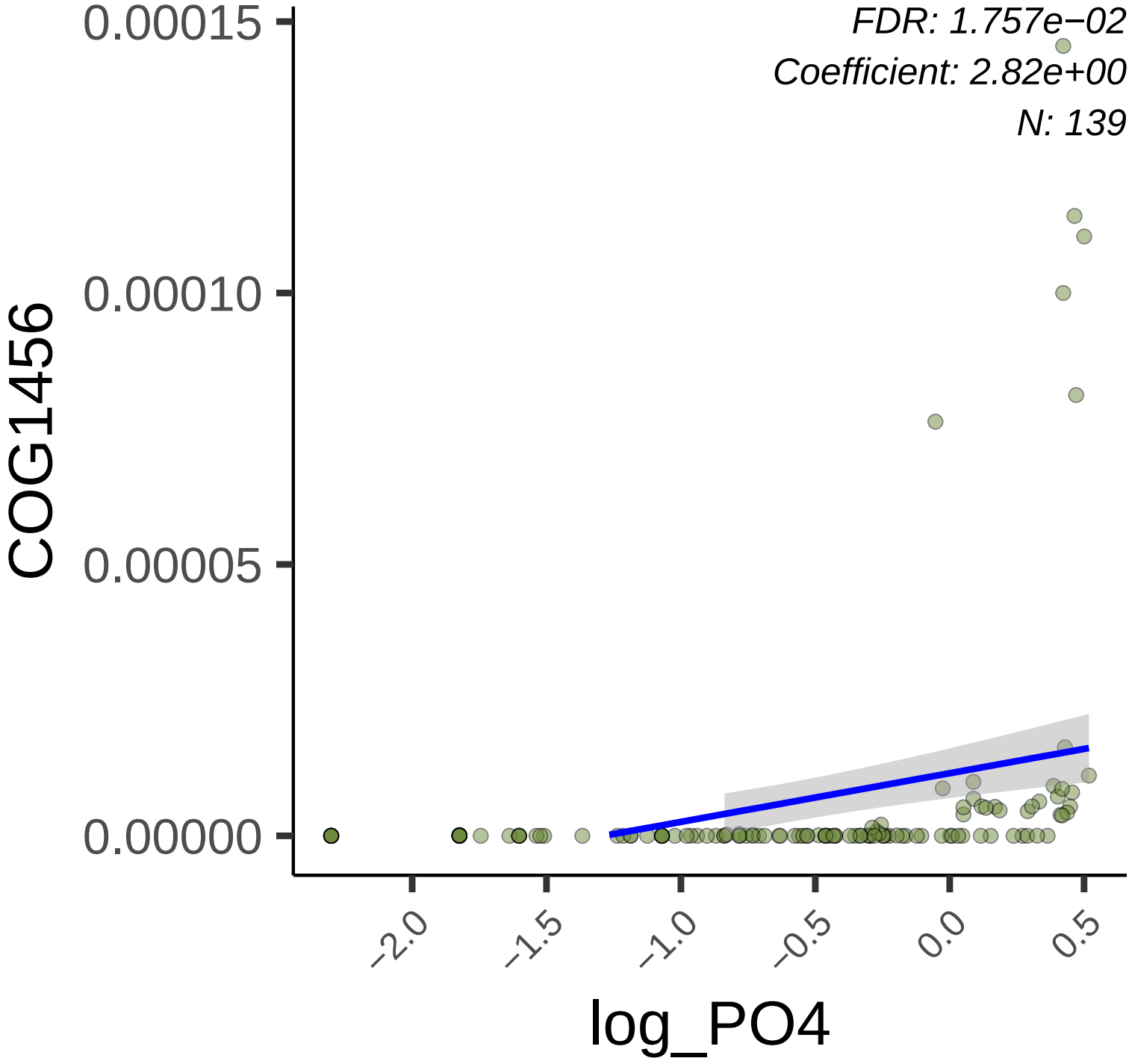
log_PO4


FDR: 1.757e−02
Coefficient: 2.82e+00
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COG1456
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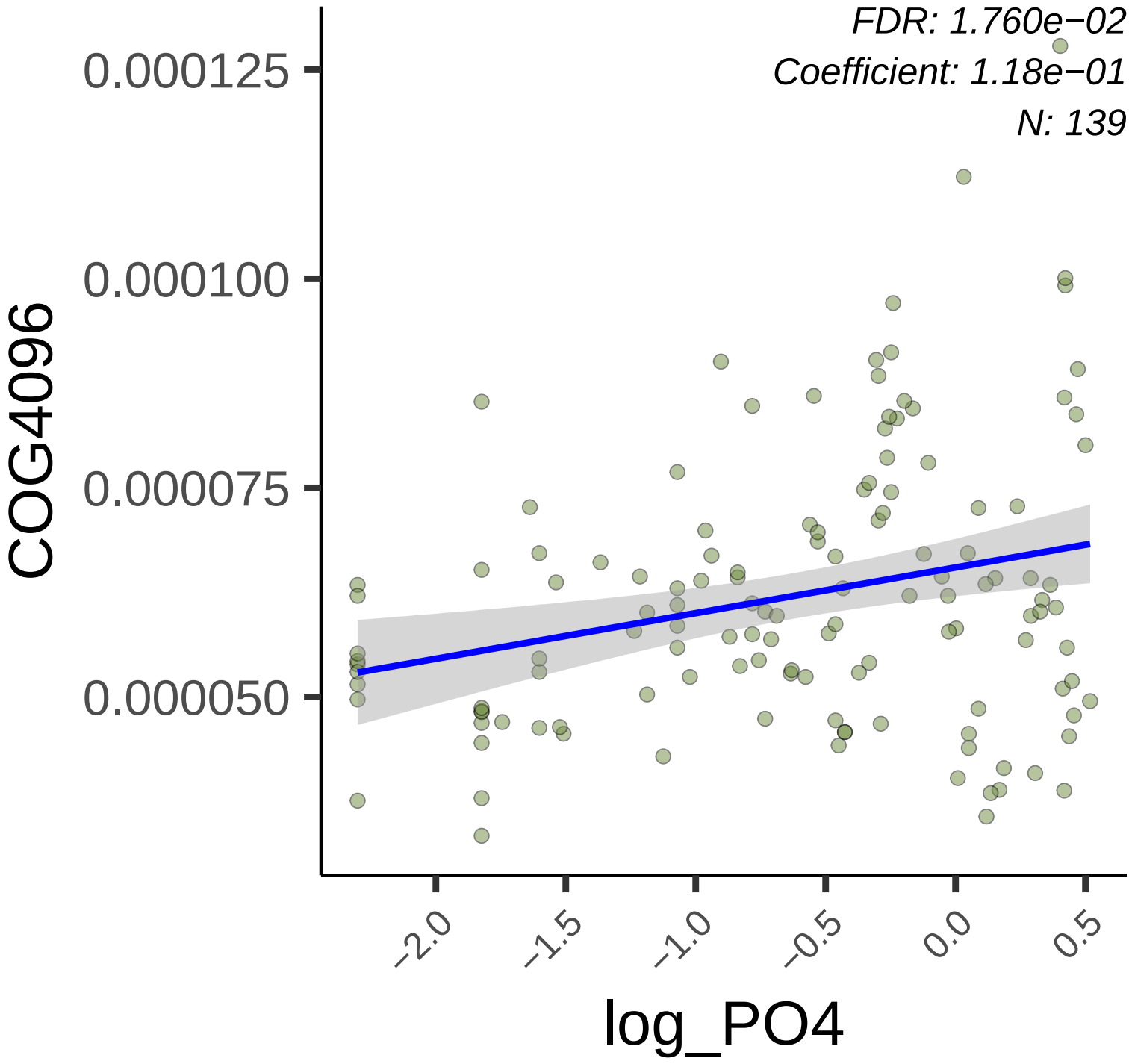
log_PO4


FDR: 1.760e−02
Coefficient: 1.18e−01
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COG4096
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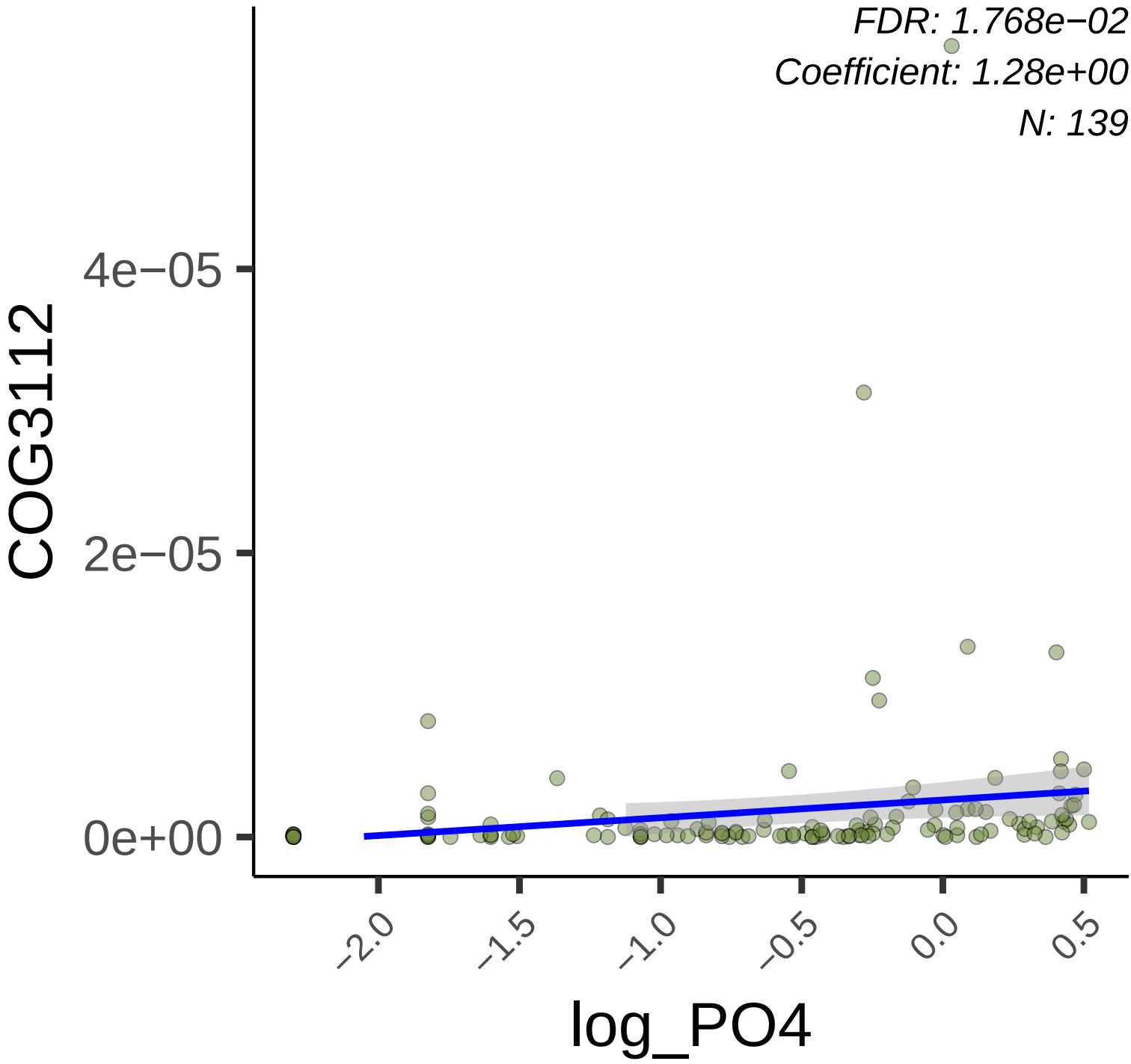
log_PO4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Coefficient: 1.28e+00
N: 139
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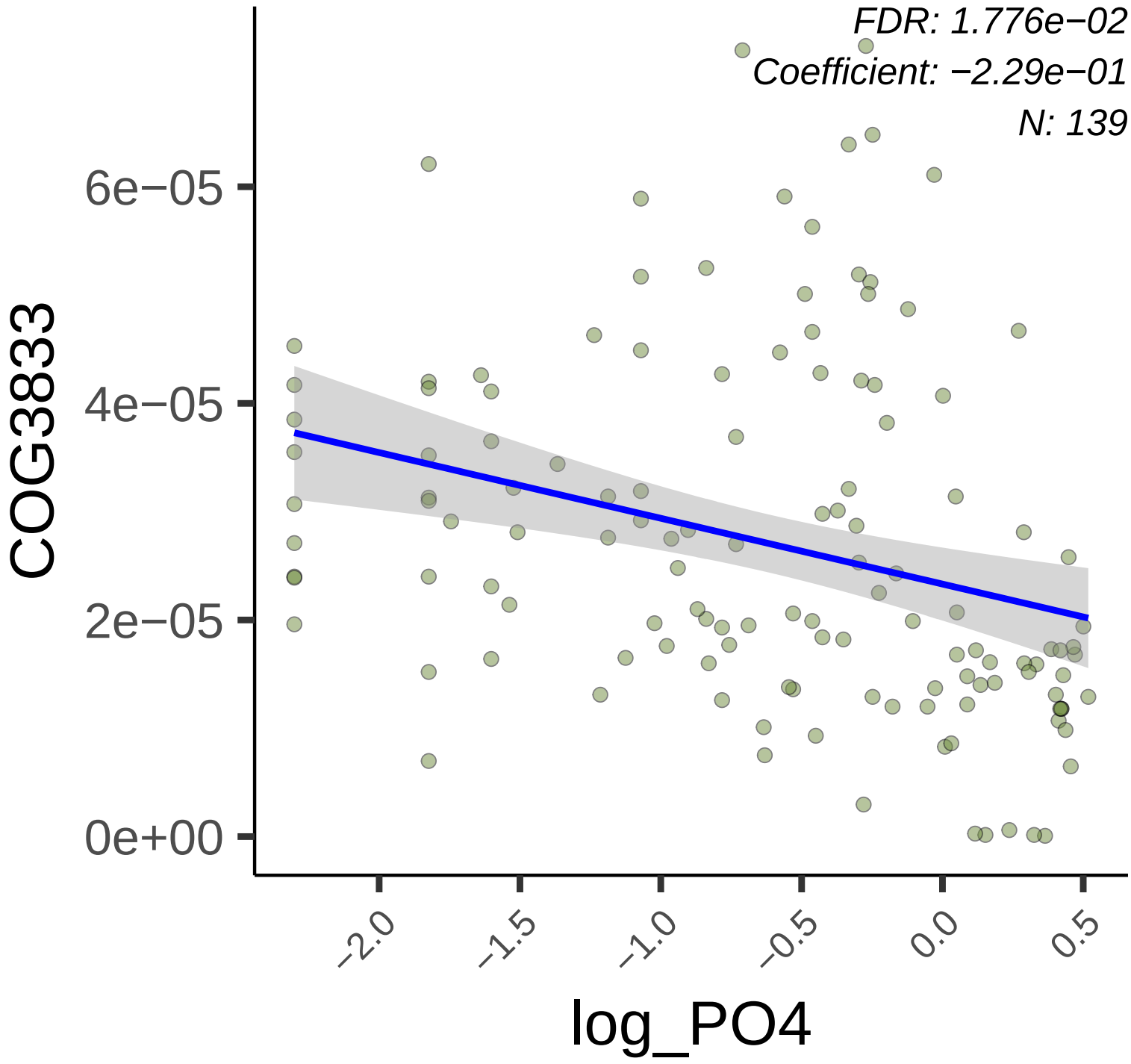
log_PO4


FDR: 1.776e−02
Coefficient: −2.29e−01
N: 139
COG3833
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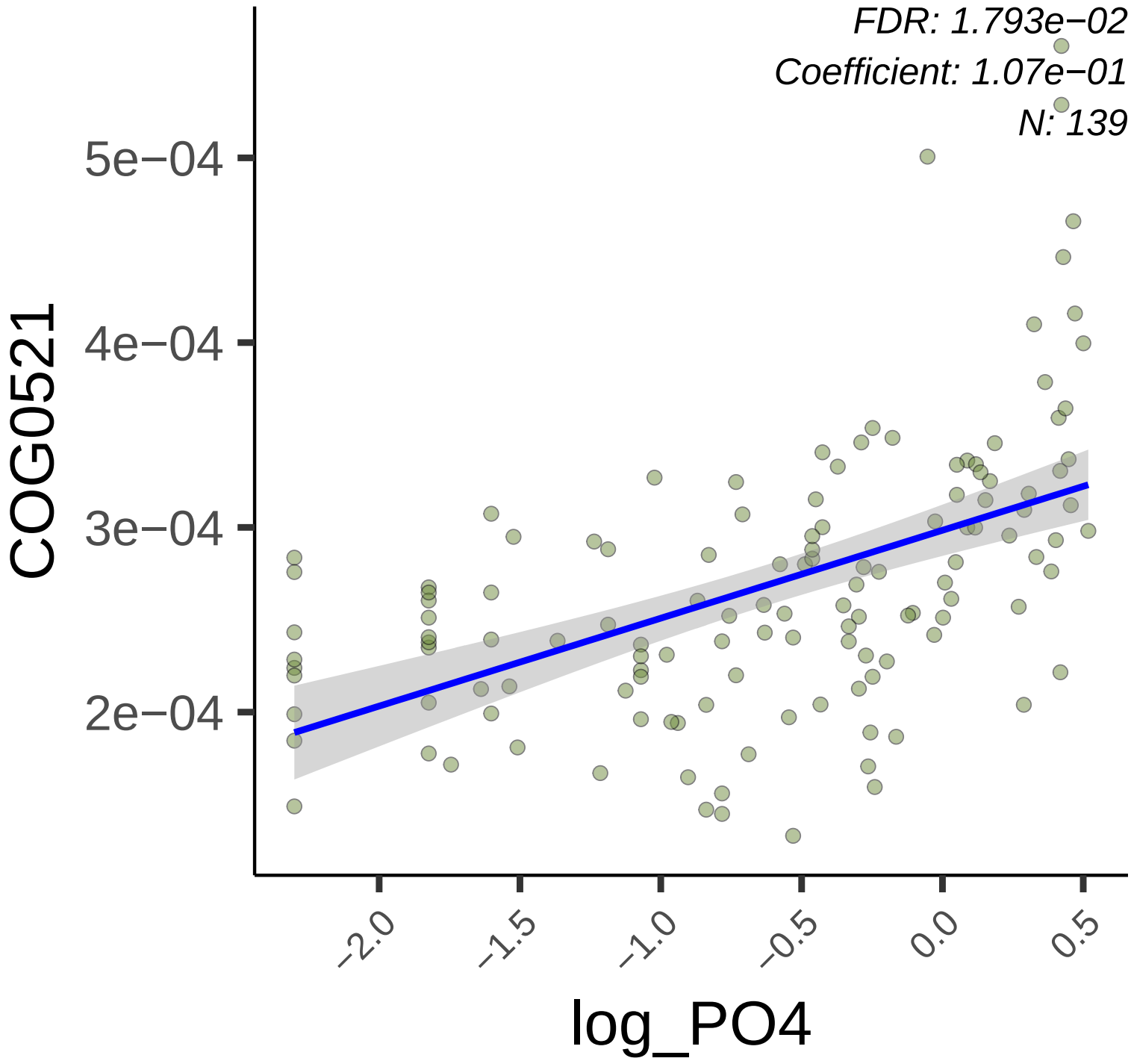
log_PO4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Coefficient: 1.07e−01
N: 139
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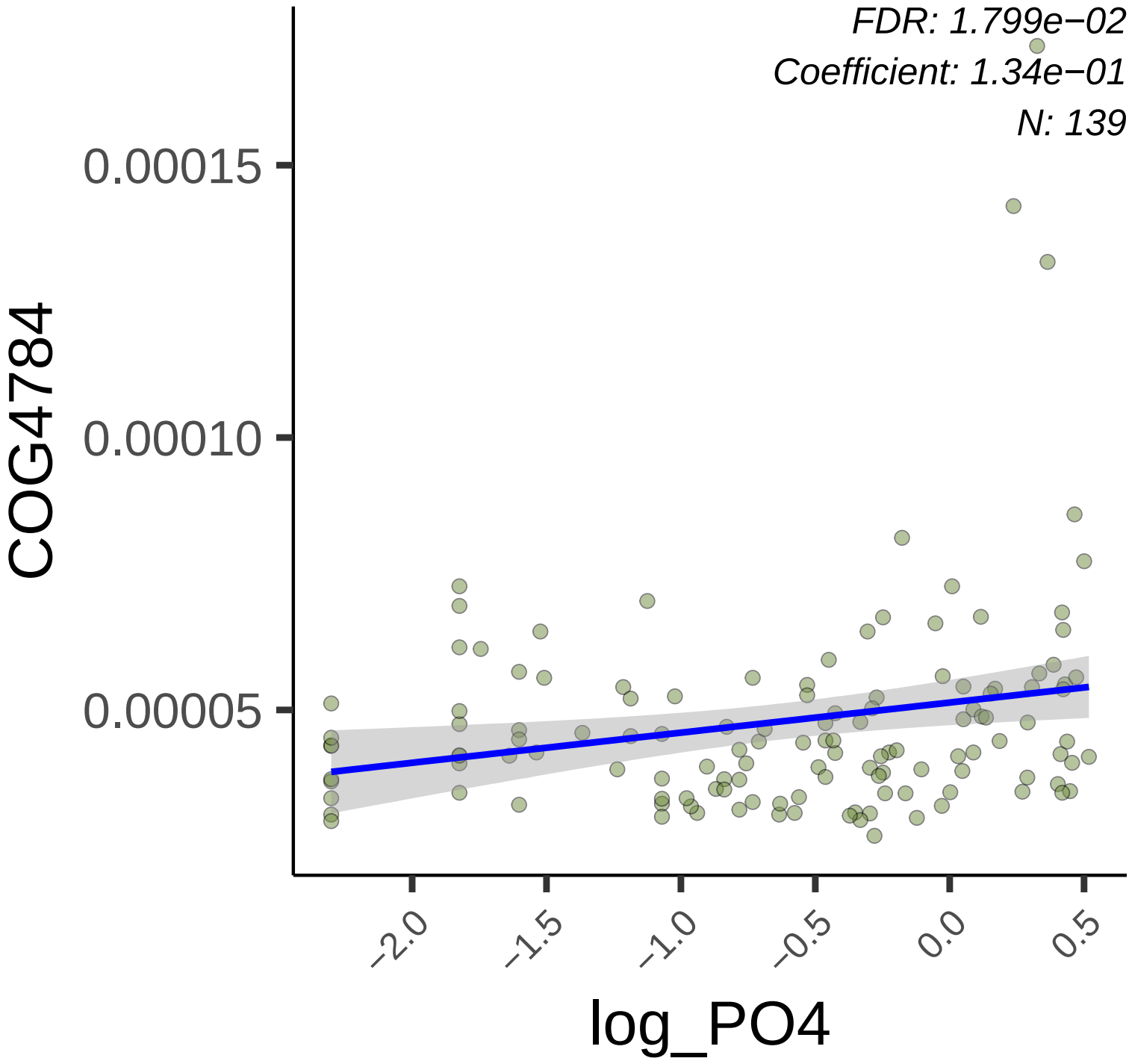
log_PO4


FDR: 1.799e−02
Coefficient: 1.34e−01
N: 139
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COG4784
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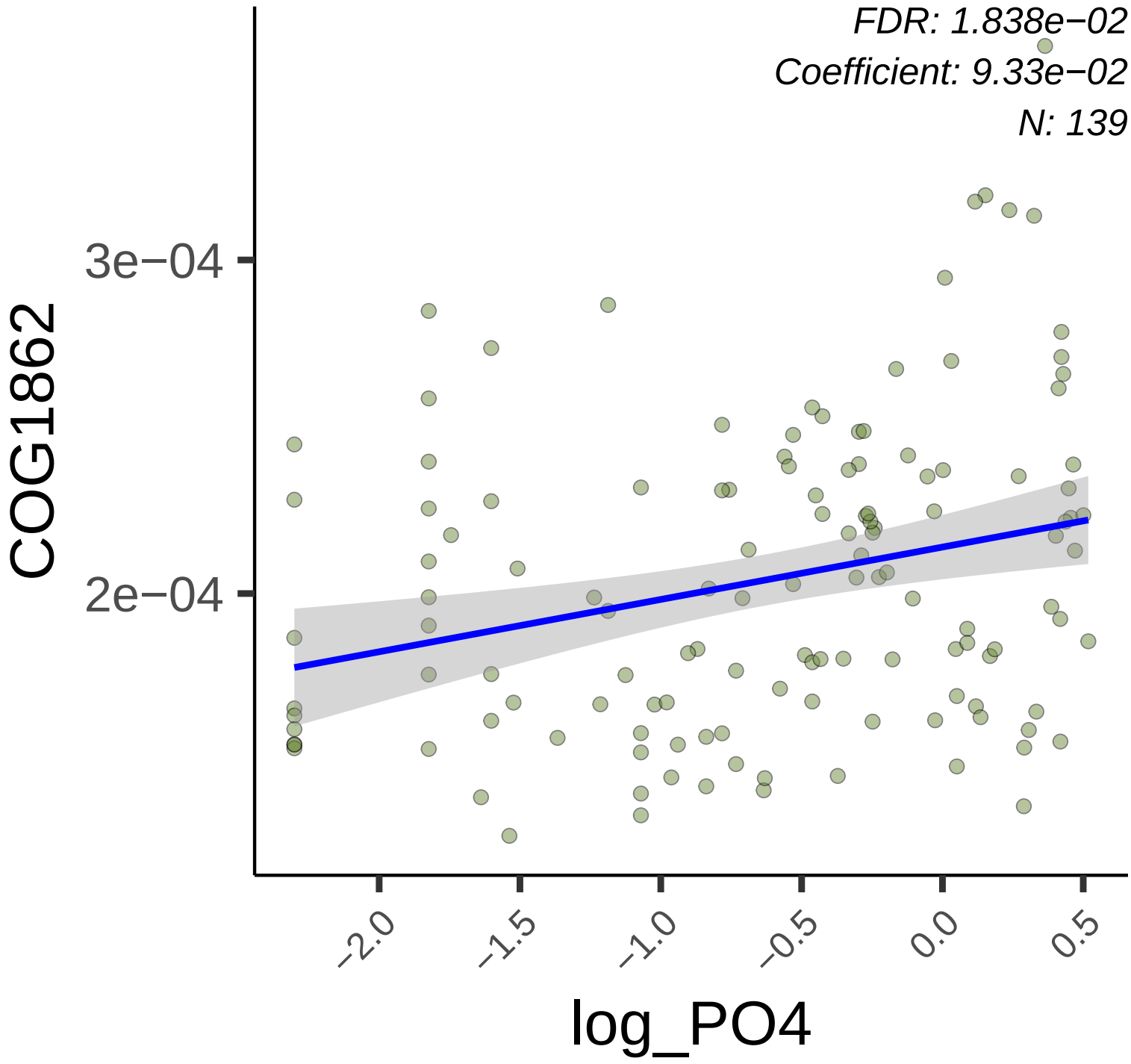
log_PO4


FDR: 1.838e−02
Coefficient: 9.33e−02
N: 139
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COG1862
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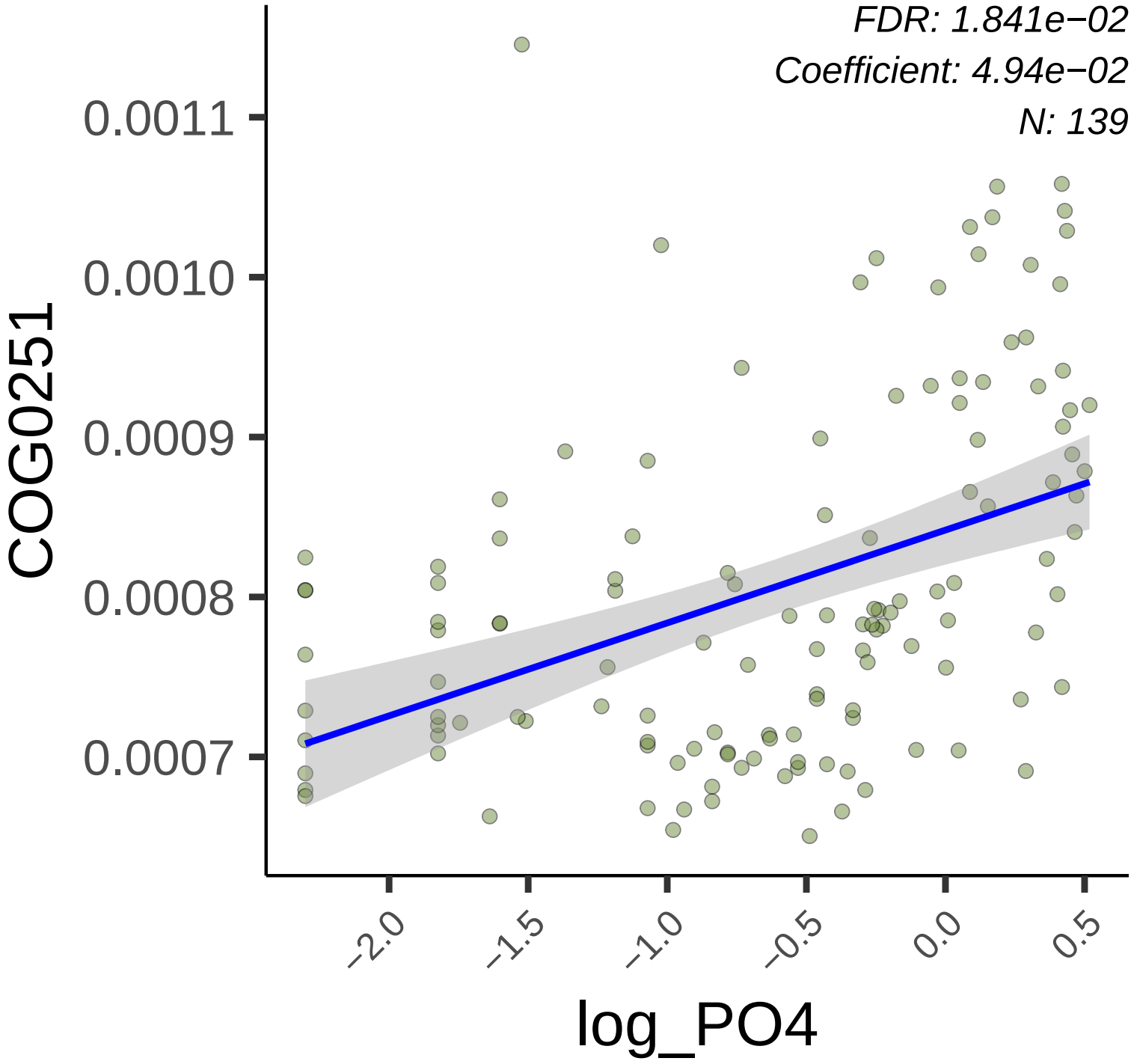
log_PO4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Coefficient: 4.94e−02
N: 139
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0.0008
0.0007
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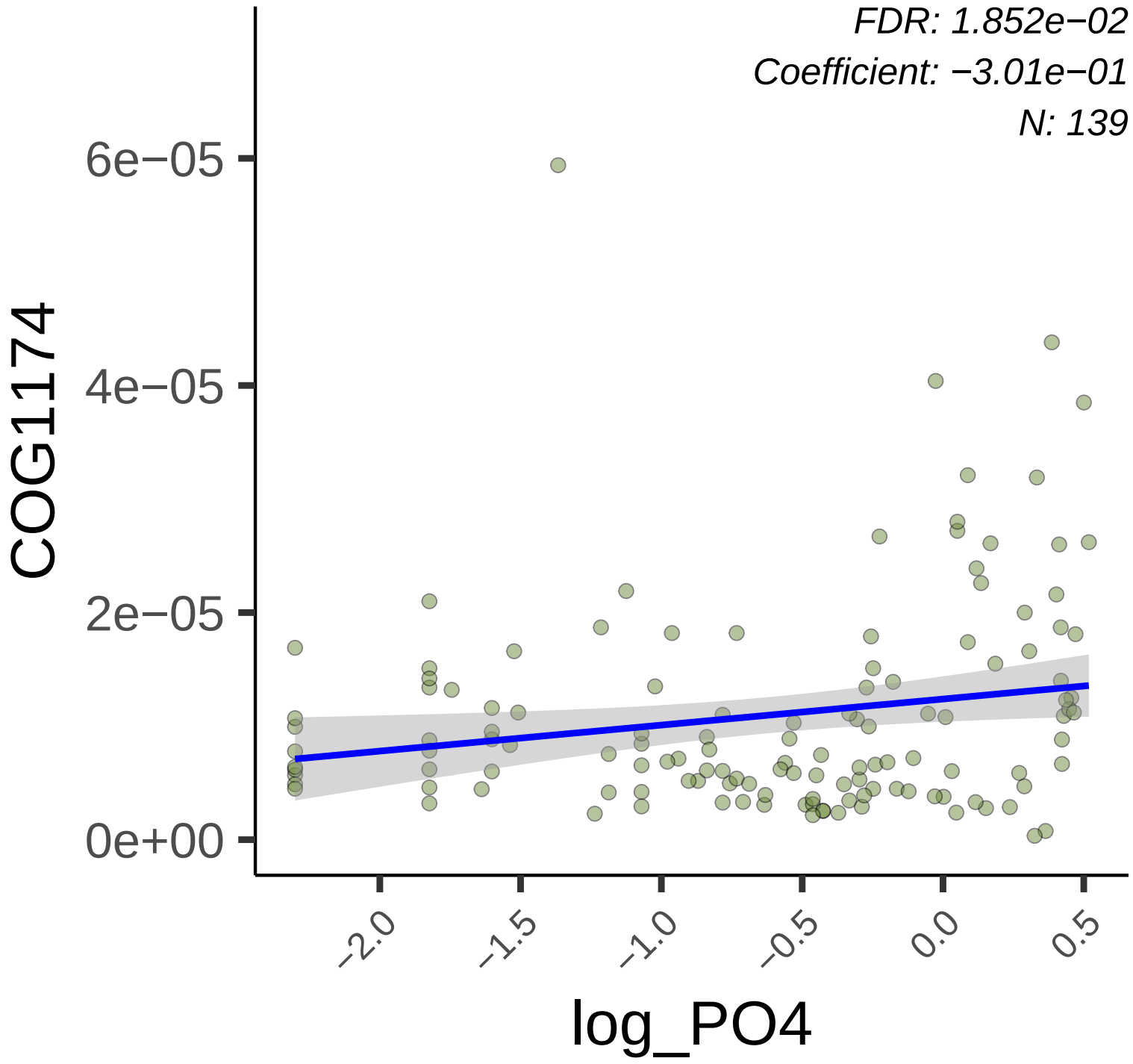
log_PO4


FDR: 1.852e−02
Coefficient: −3.01e−01
N: 139
COG1174
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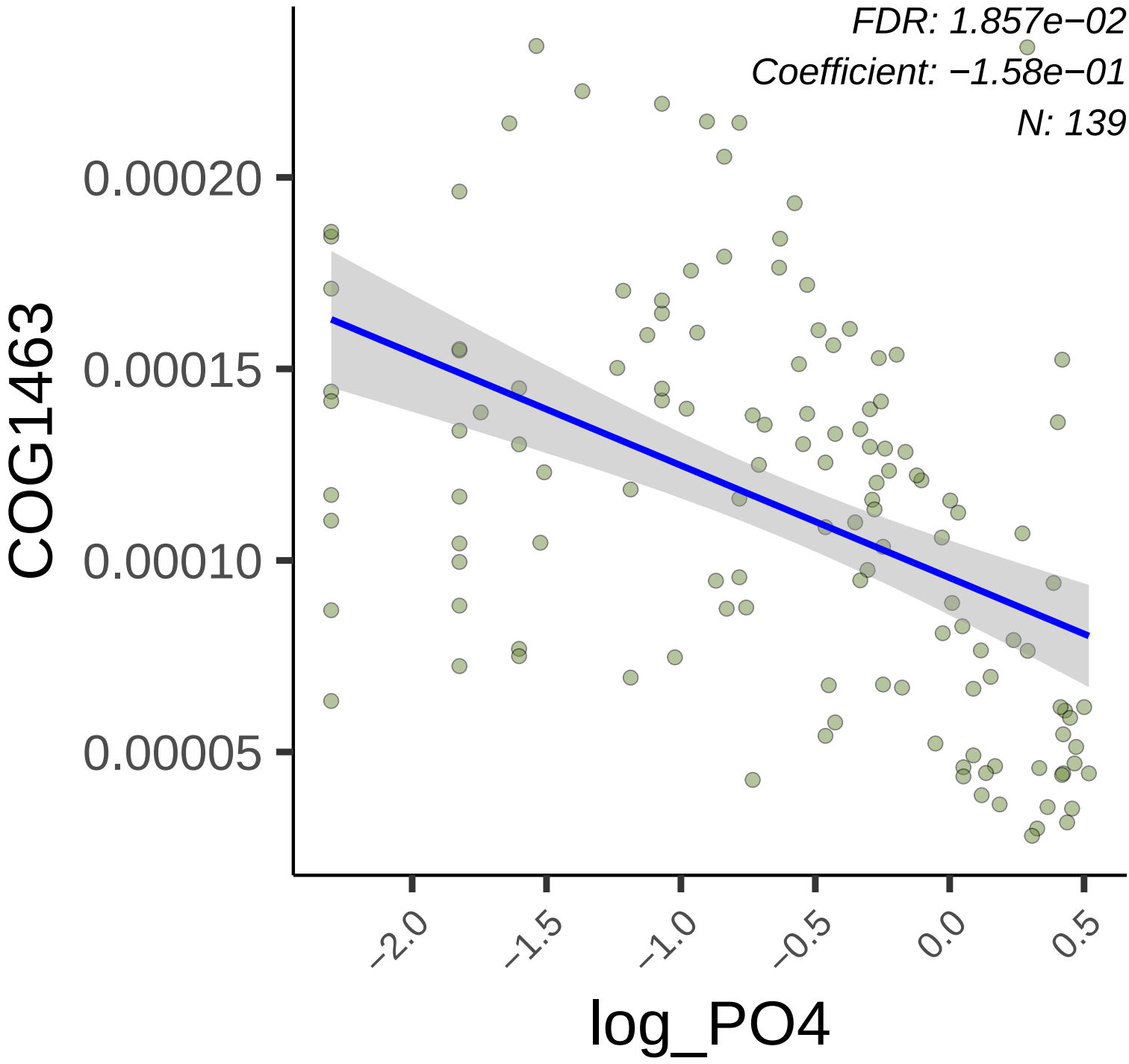
log_PO4


FDR: 1.857e−02
Coefficient: −1.58e−01
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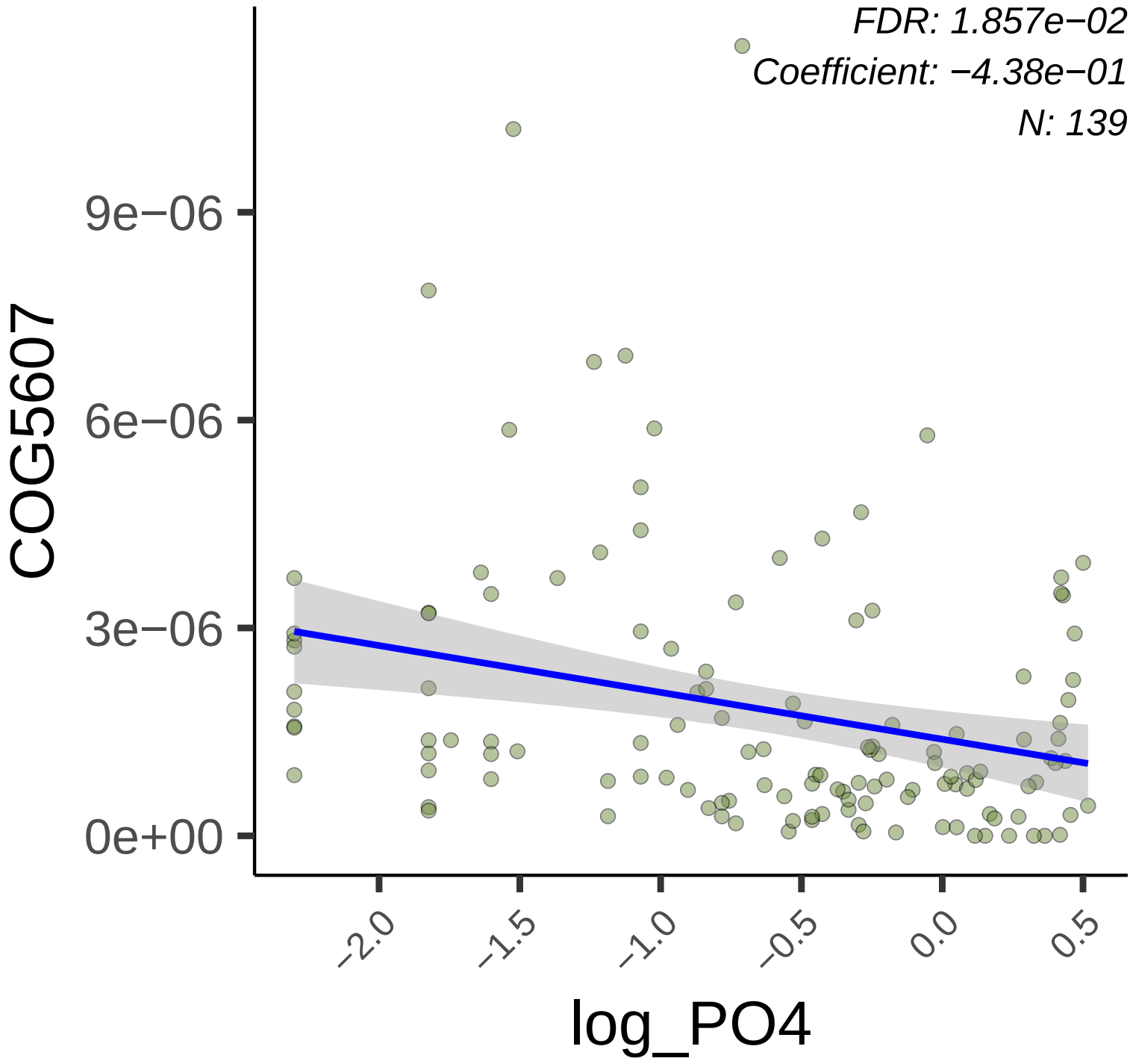
log_PO4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Coefficient: −4.38e−01
N: 139
COG5607
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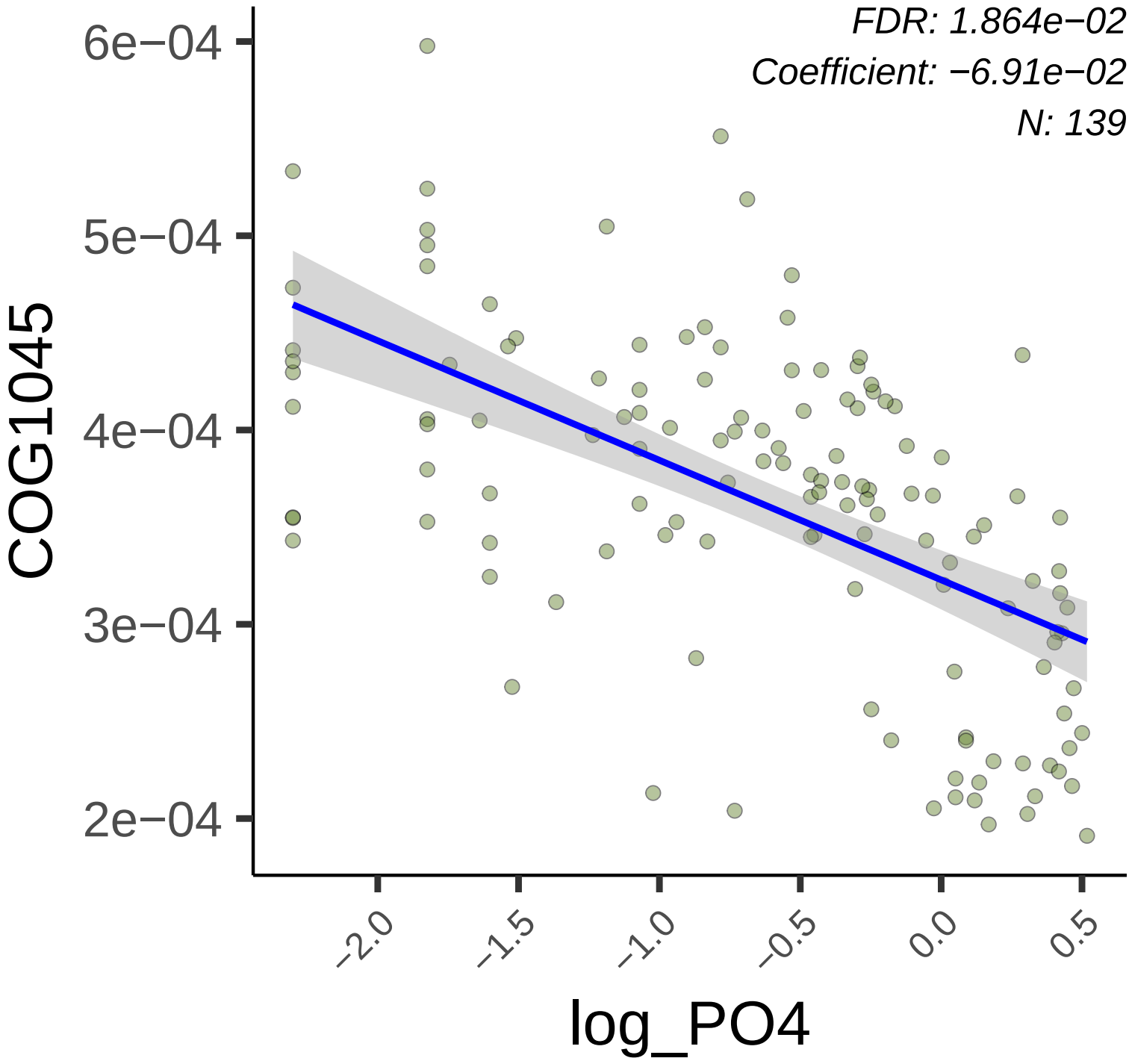
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Coefficient: −6.91e−02
N: 139
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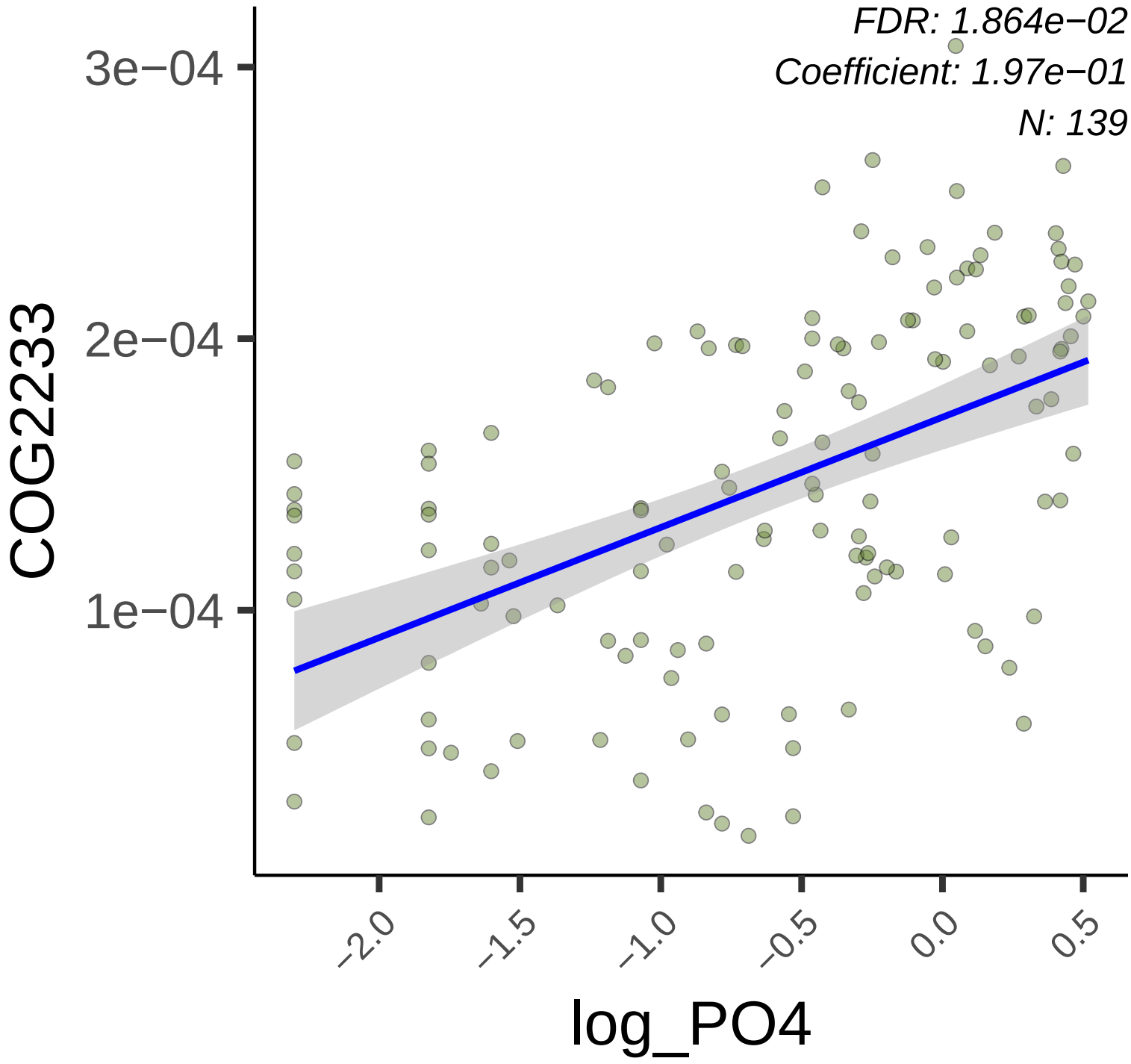
log_PO4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Coefficient: 1.97e−01
N: 139
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COG2233
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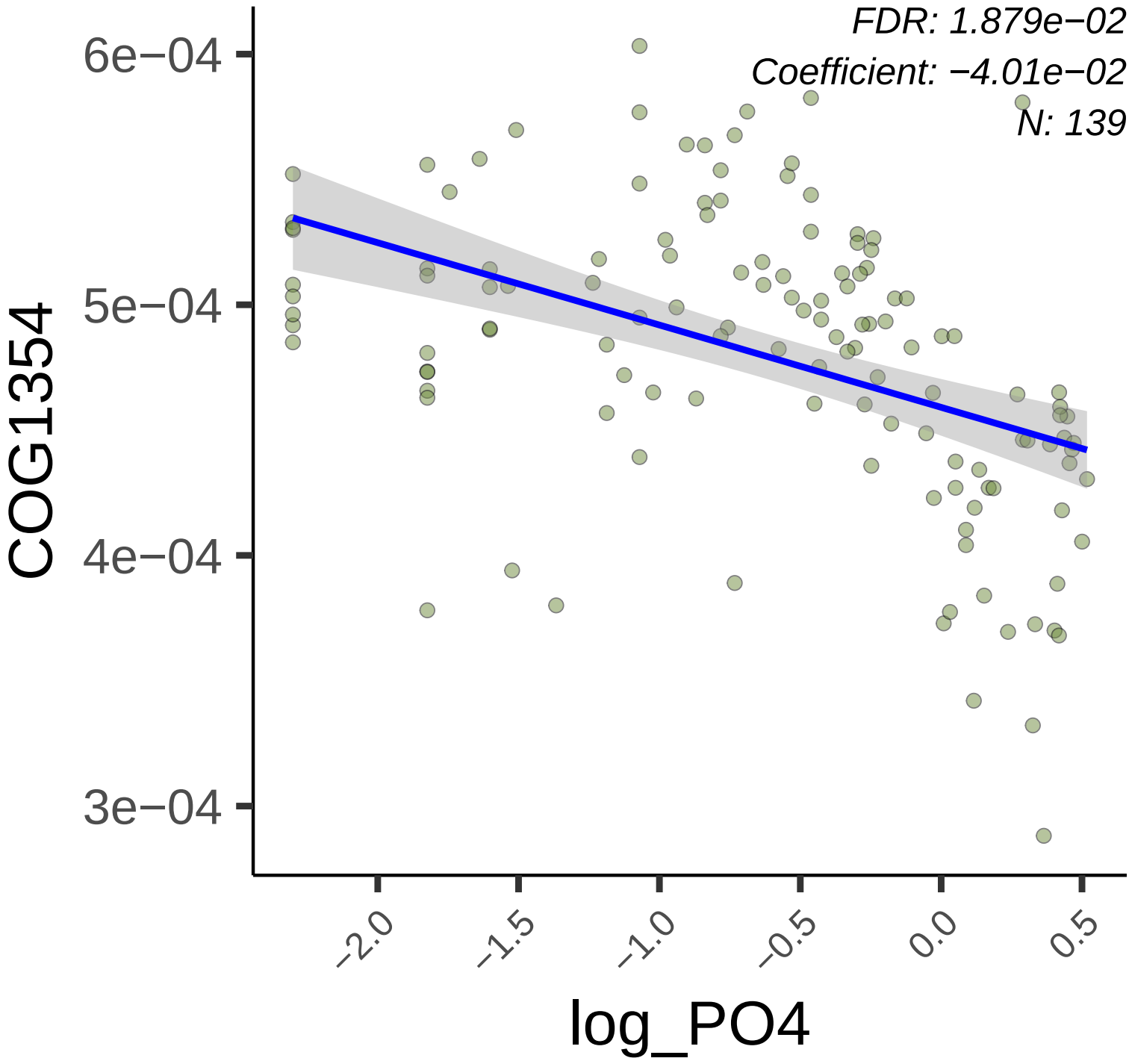
log_PO4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Coefficient: −4.01e−02
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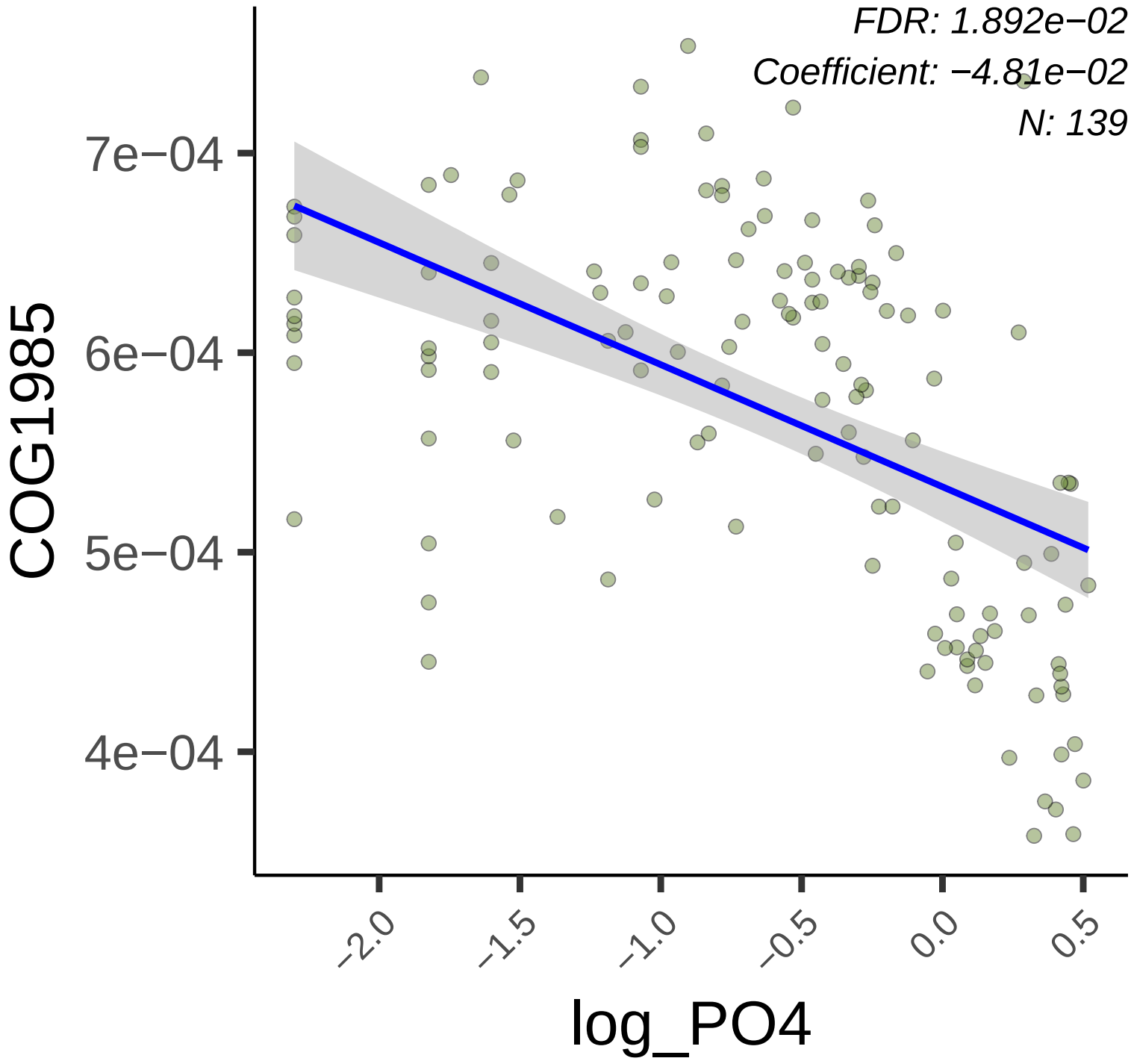
log_PO4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N: 139
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COG1985
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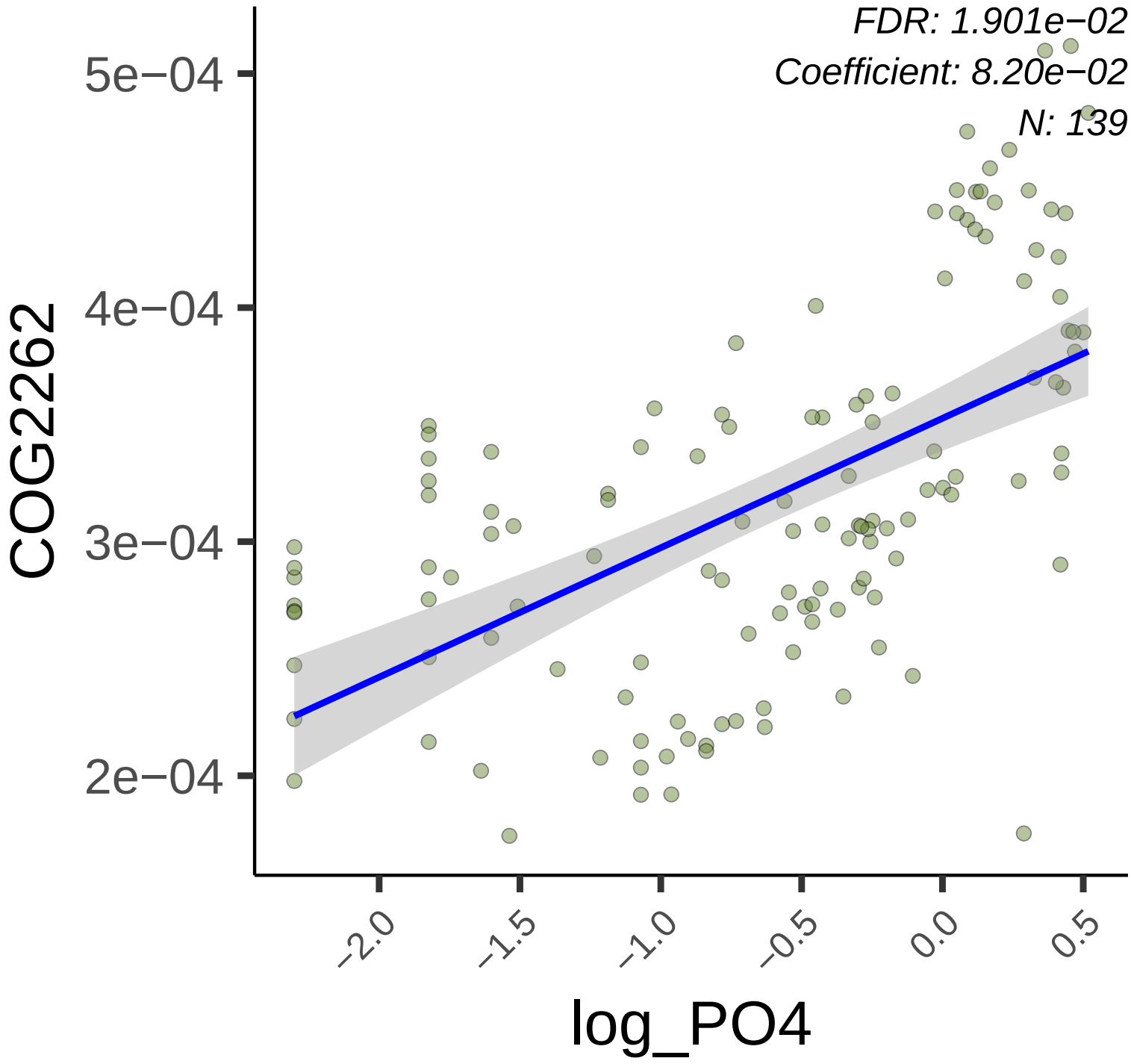
log_PO4


FDR: 1.901e−02
Coefficient: 8.20e−02
N: 139
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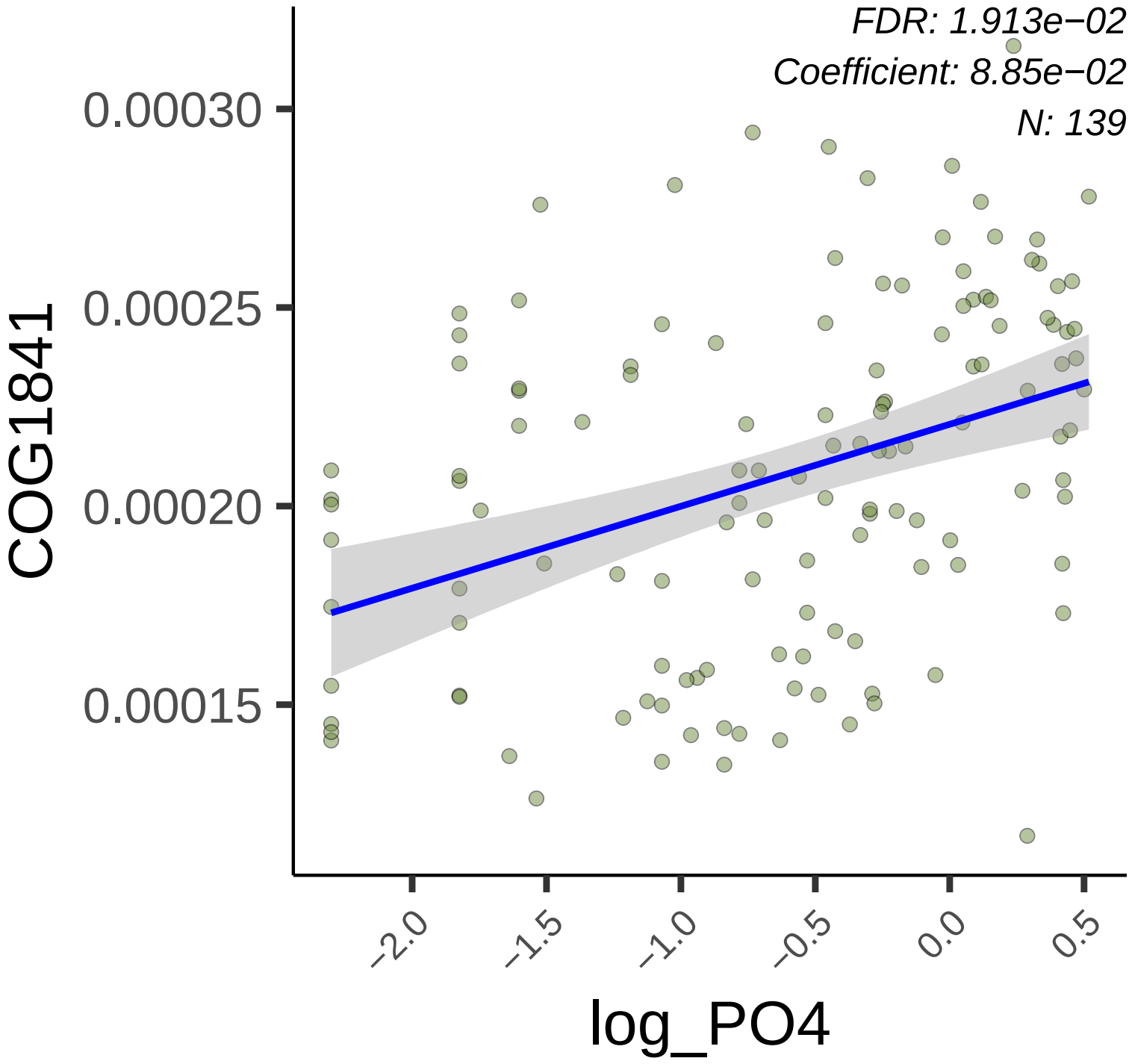
log_PO4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N: 139
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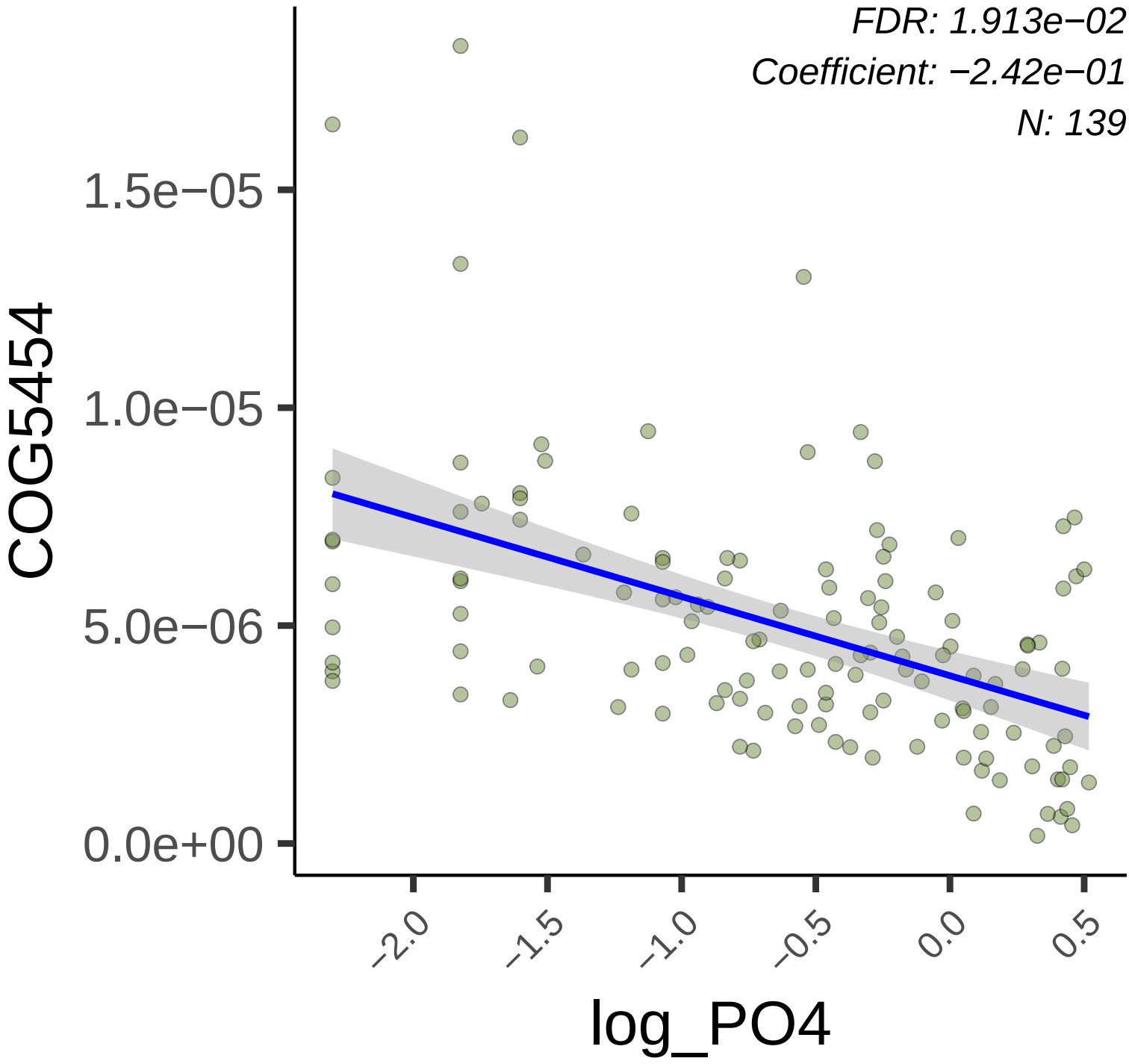
log_PO4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Coefficient: −2.42e−01
N: 139
COG5454
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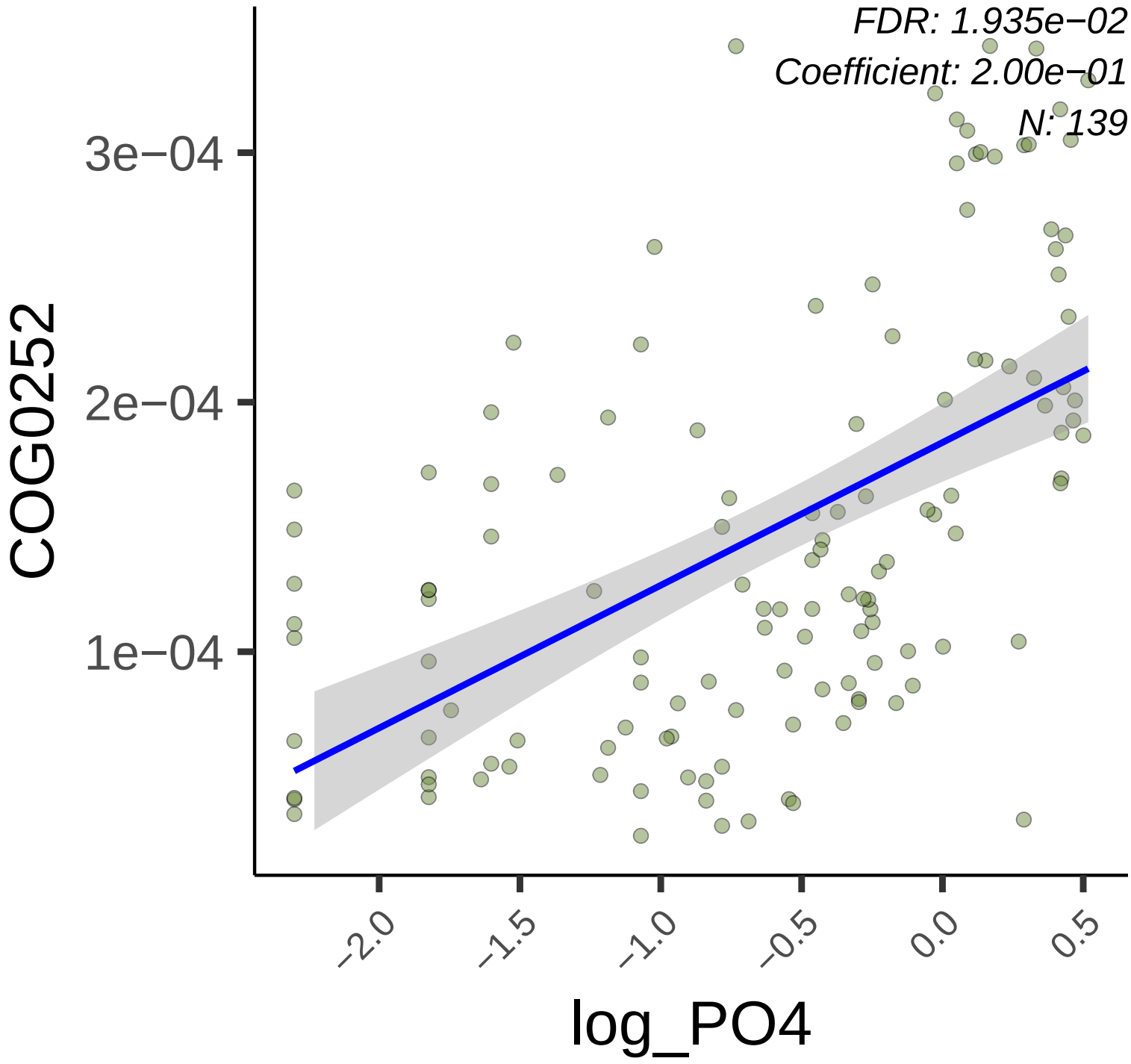
FDR: 1.935e−02
Coefficient: 2.00e−01
N: 139
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COG0252
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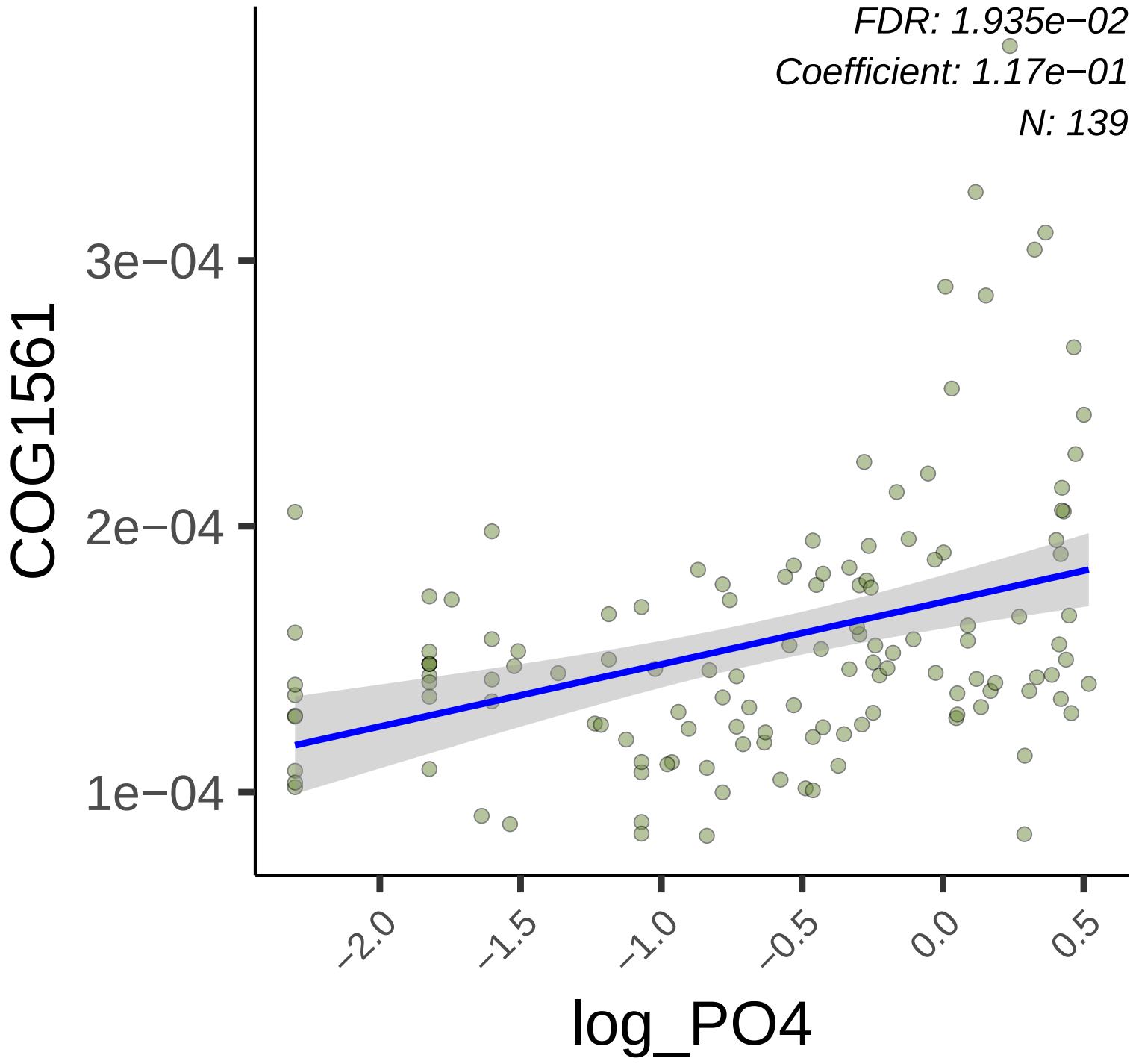
log_PO4


FDR: 1.935e−02
Coefficient: 1.17e−01
N: 139
COG1561
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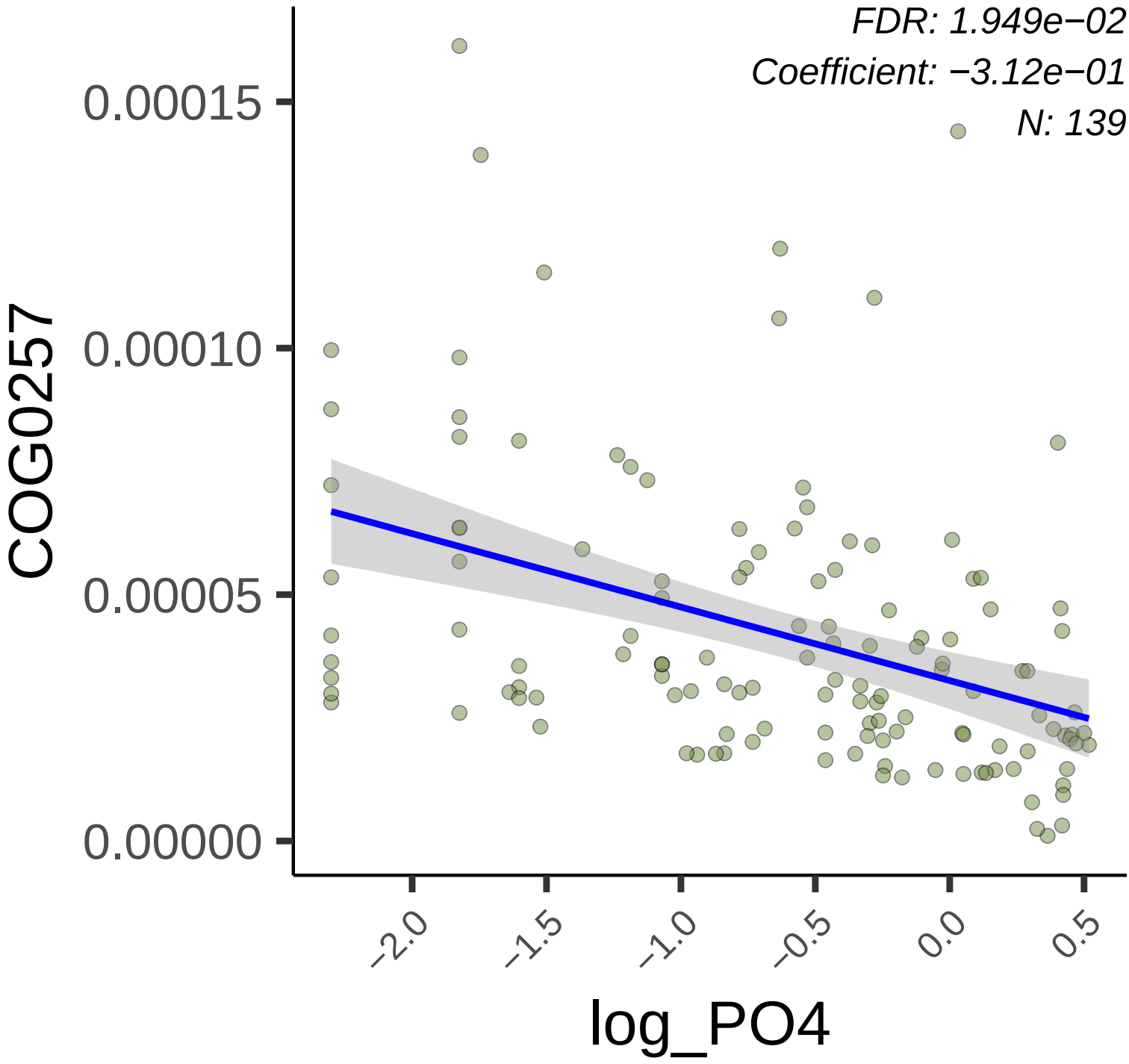
log_PO4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Coefficient: −3.12e−01
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COG0257
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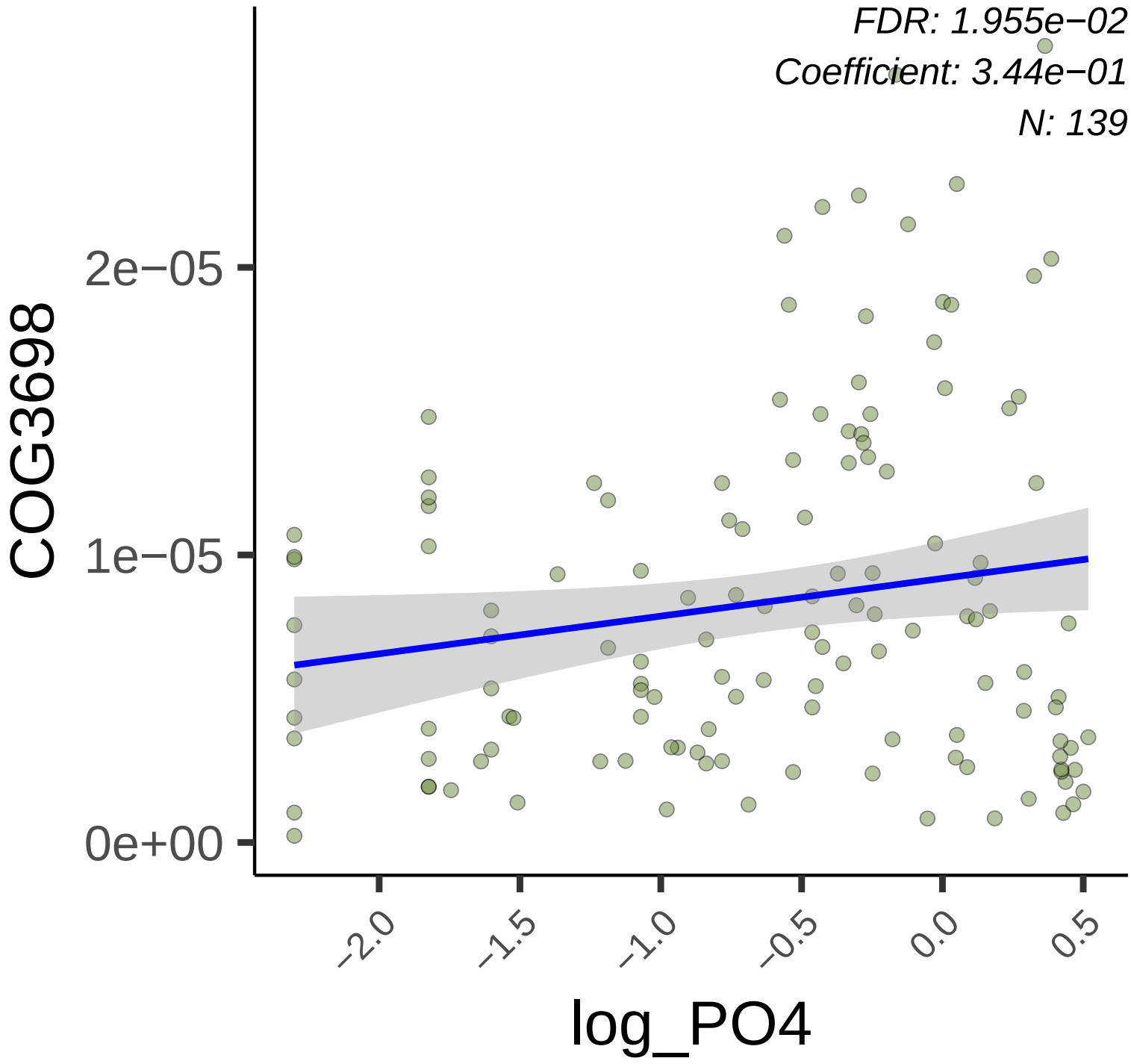
log_PO4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Coefficient: 3.44e−01
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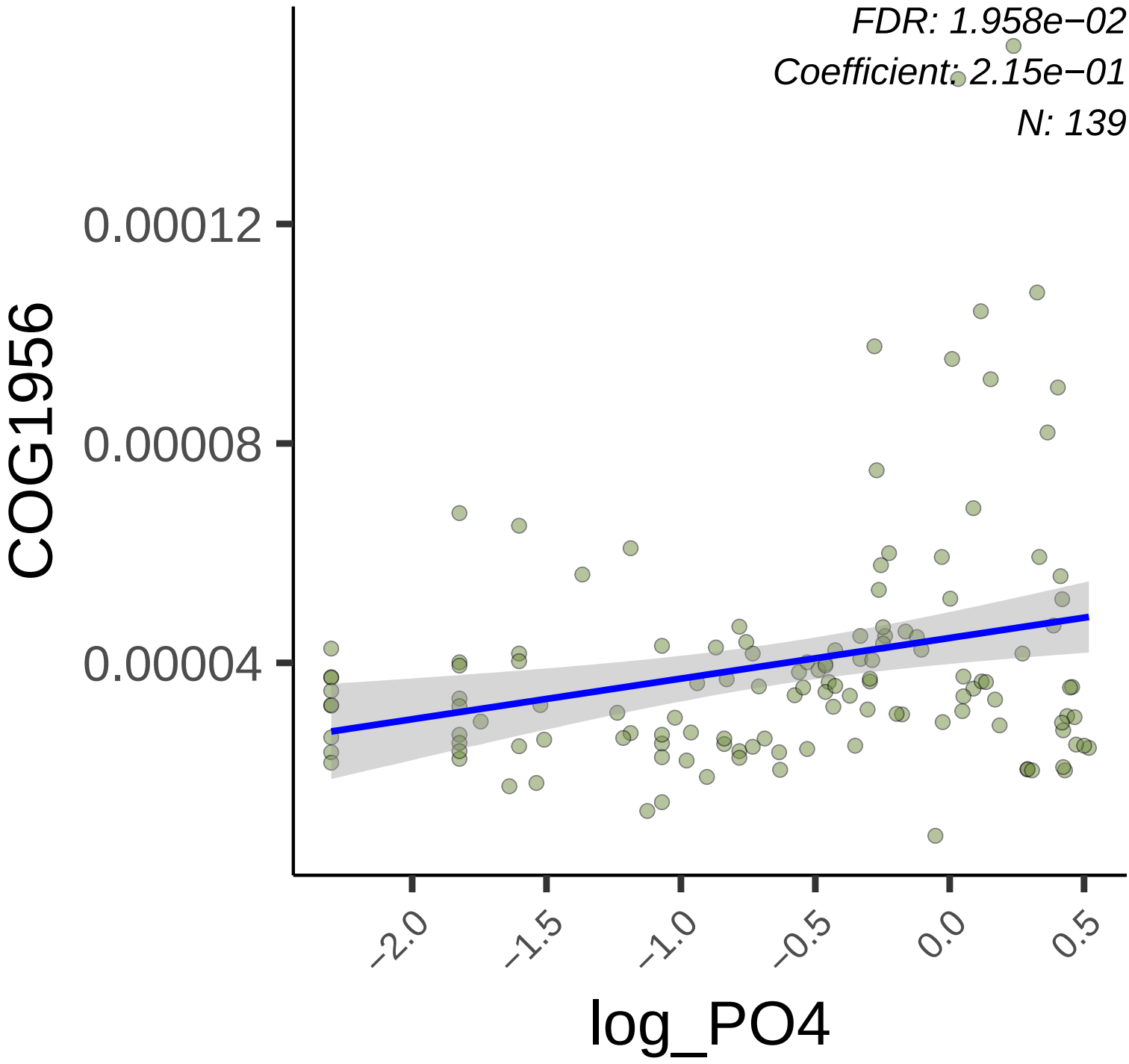
log_PO4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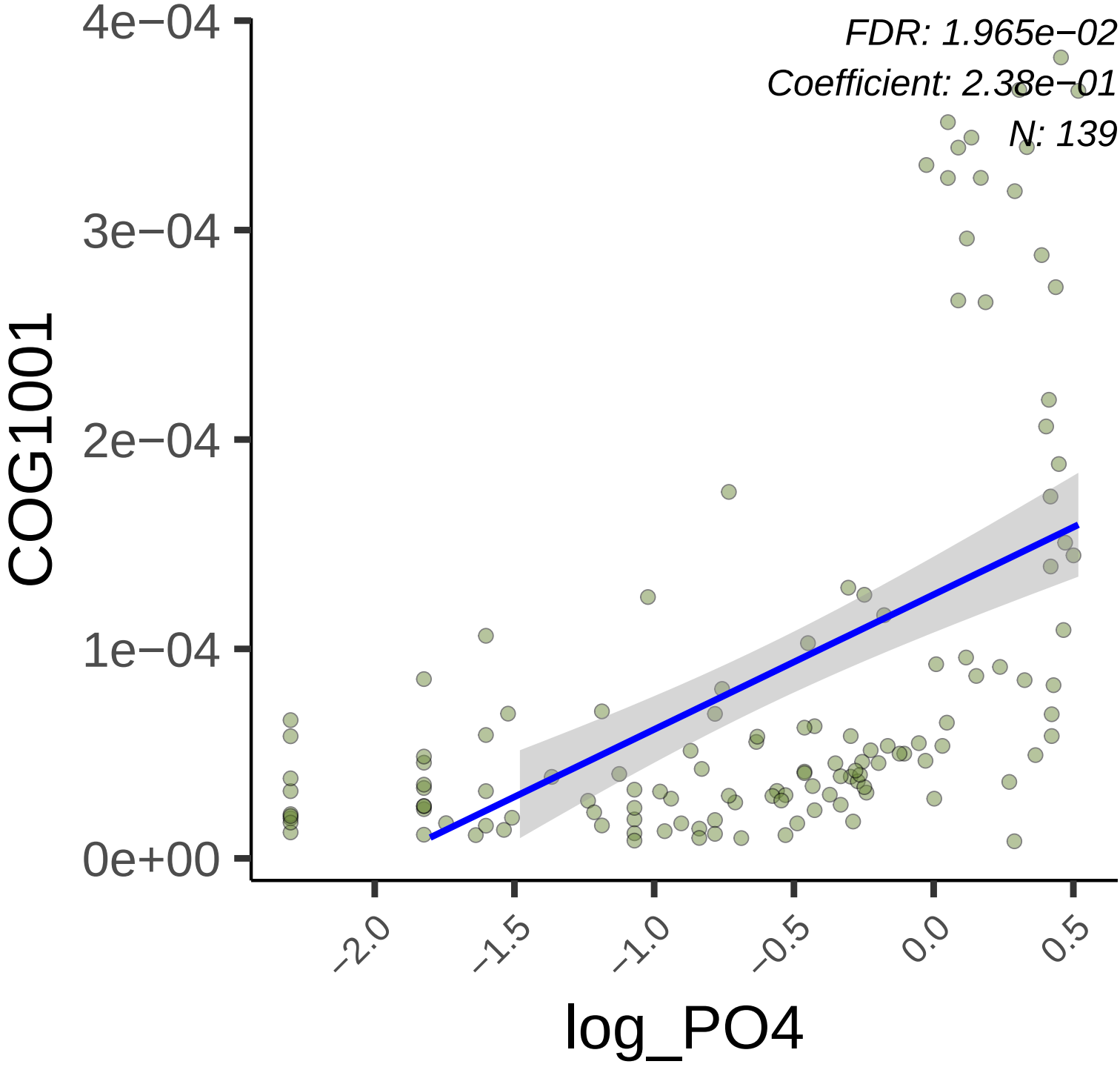
log_PO4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Coefficient: 2.38e−01
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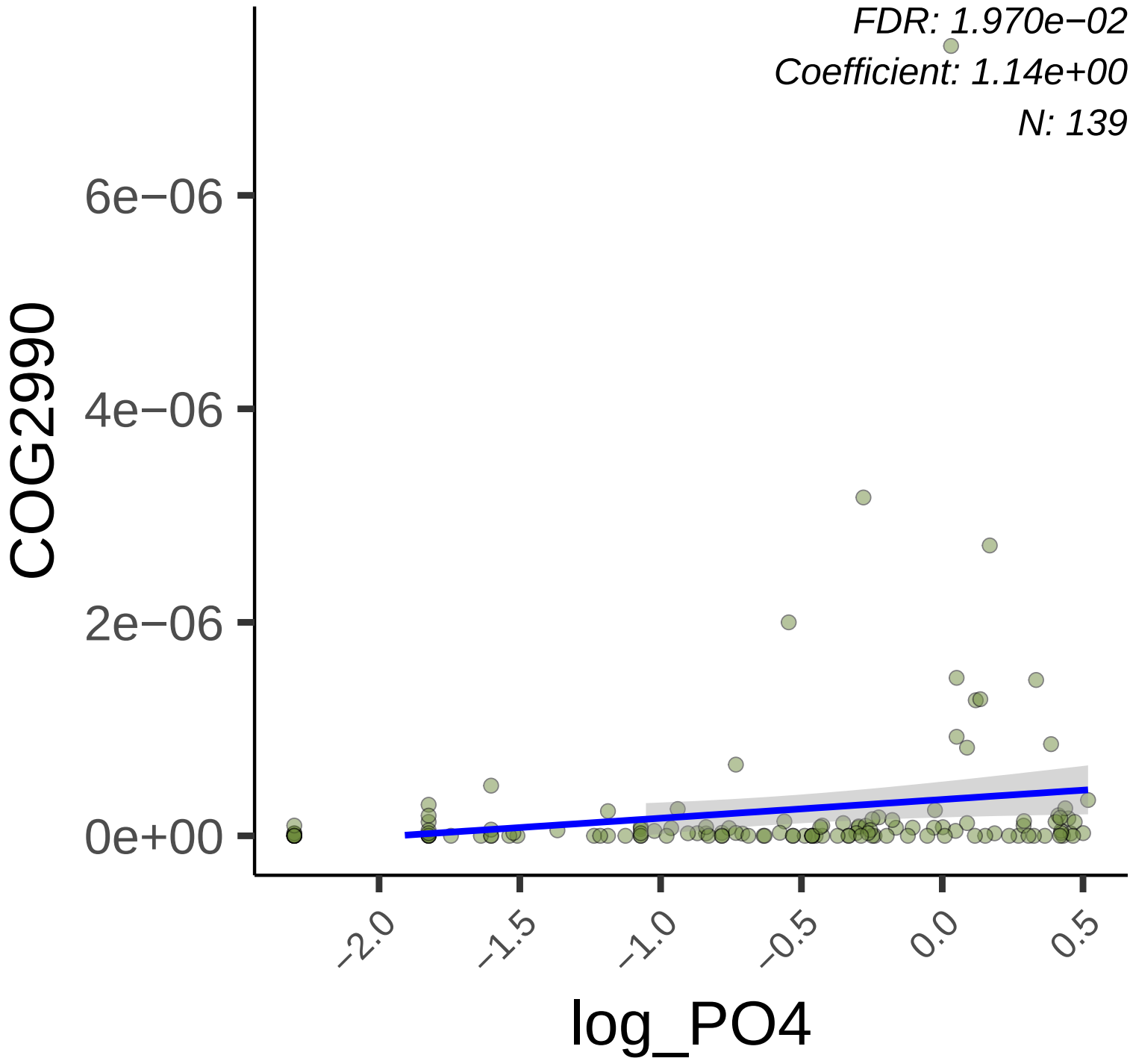
log_PO4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N: 139
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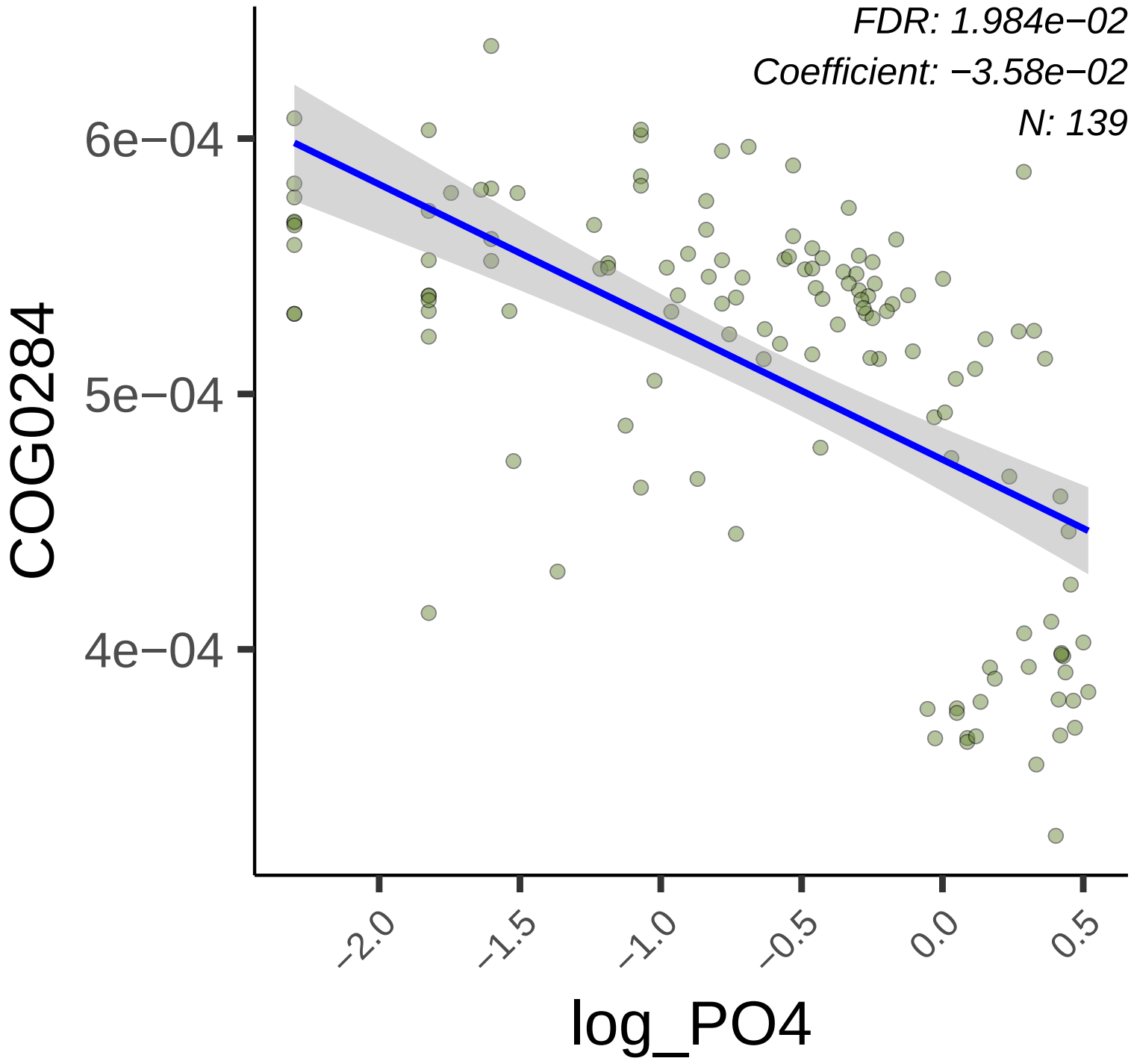
log_PO4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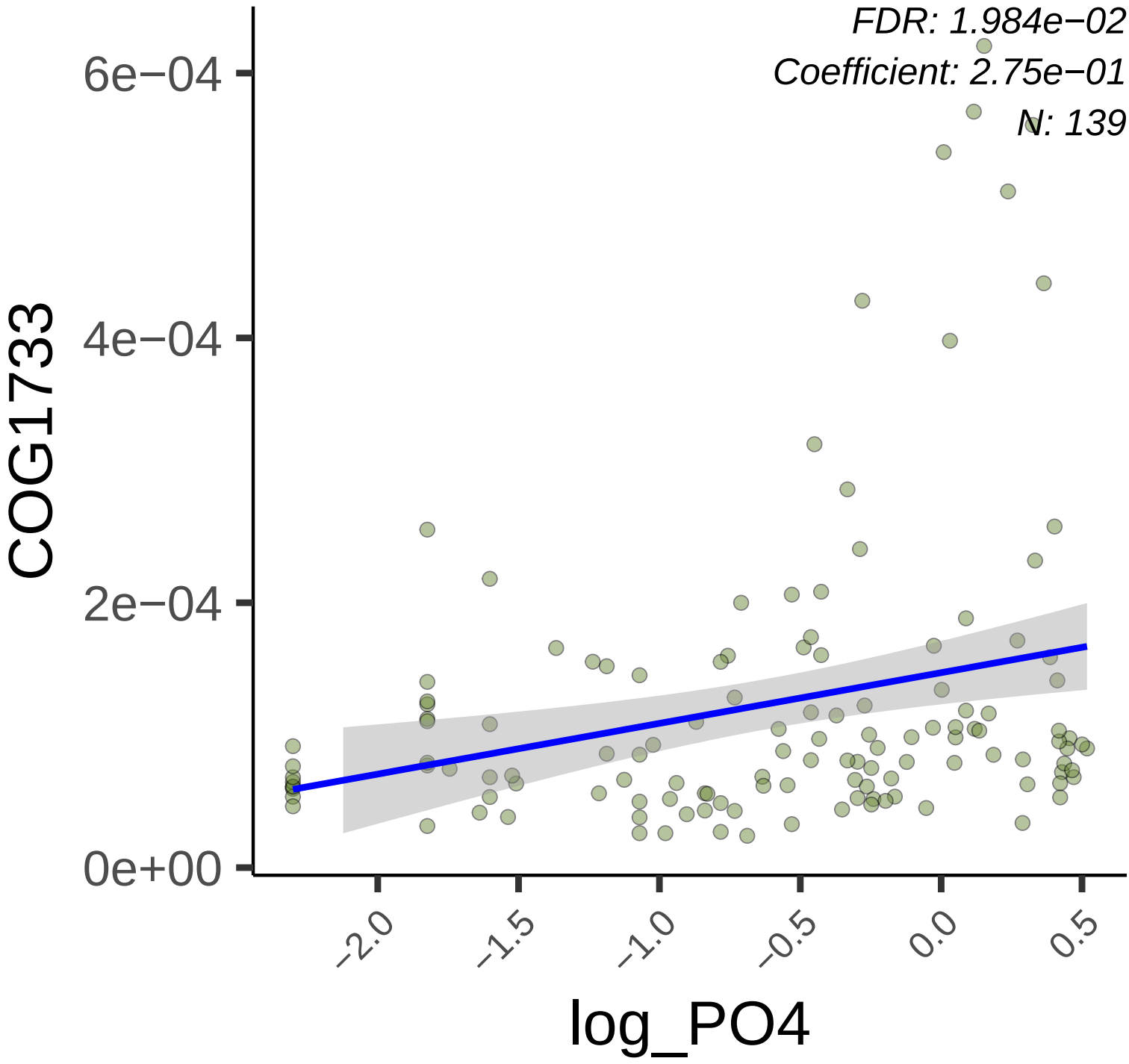
log_PO4


FDR: 1.984e−02
Coefficient: 2.75e−01
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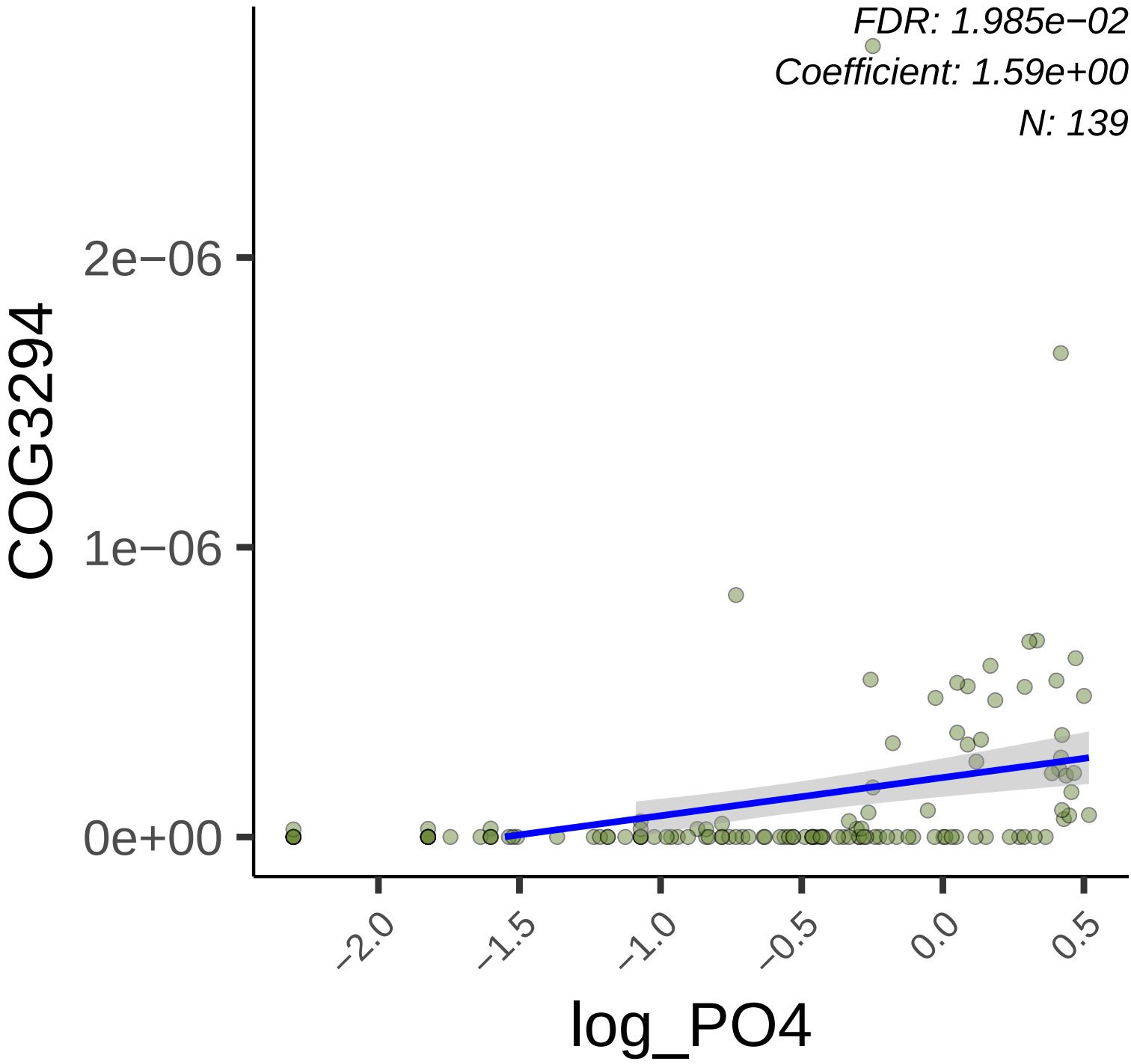
log_PO4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Coefficient: 1.59e+00
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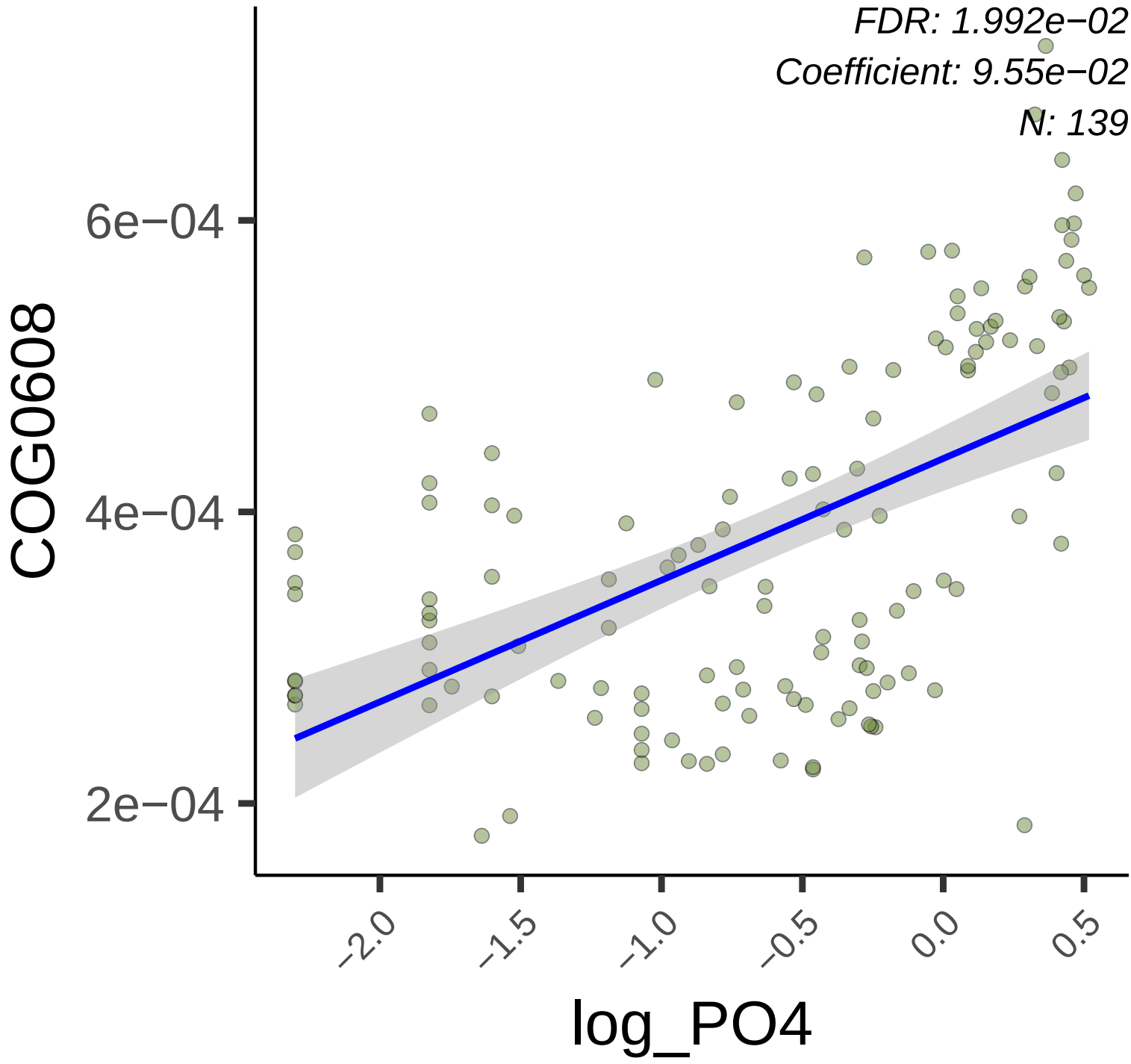
log_PO4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Coefficient: 9.55e−02
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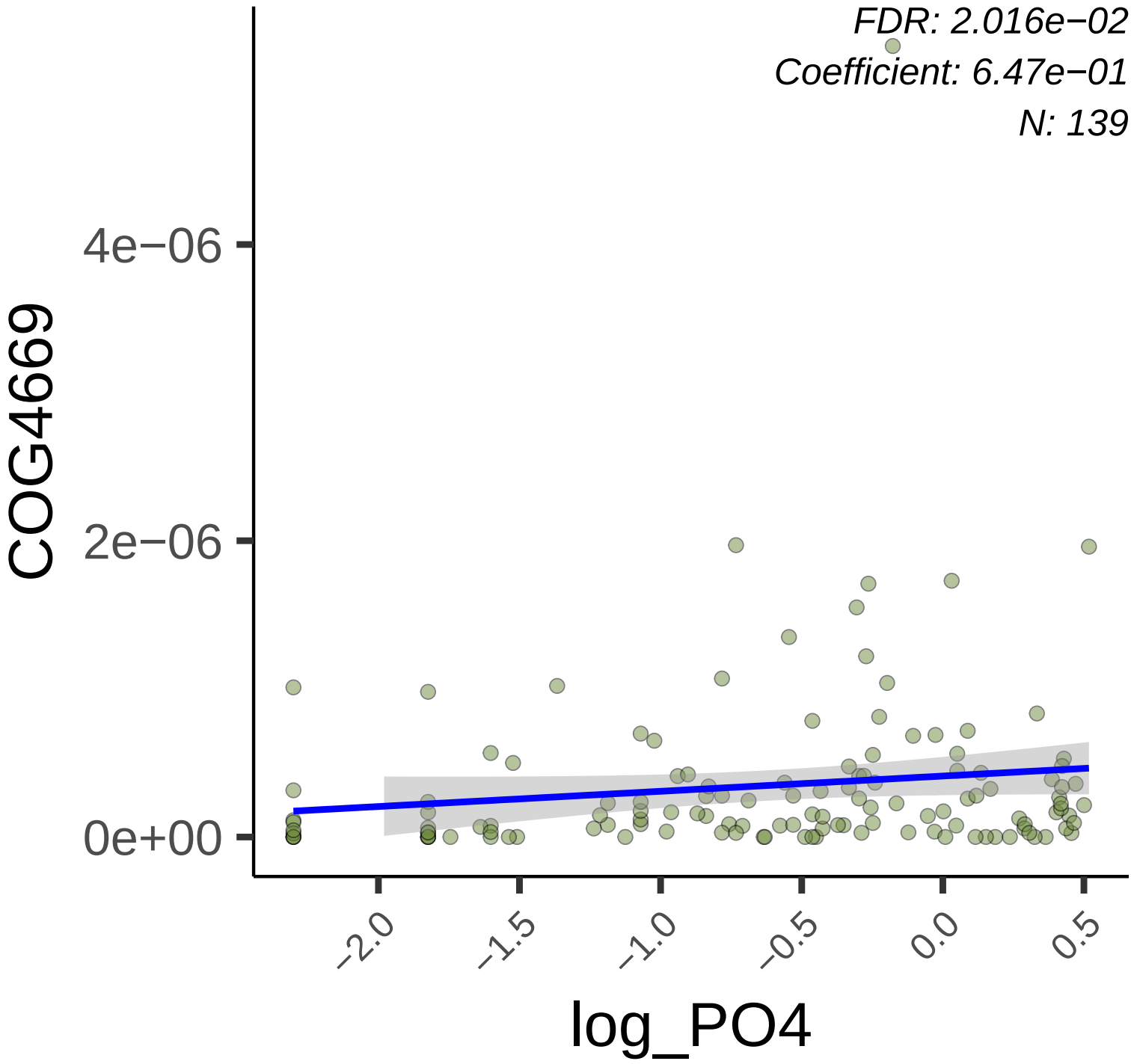
log_PO4


FDR: 2.016e−02
Coefficient: 6.47e−01
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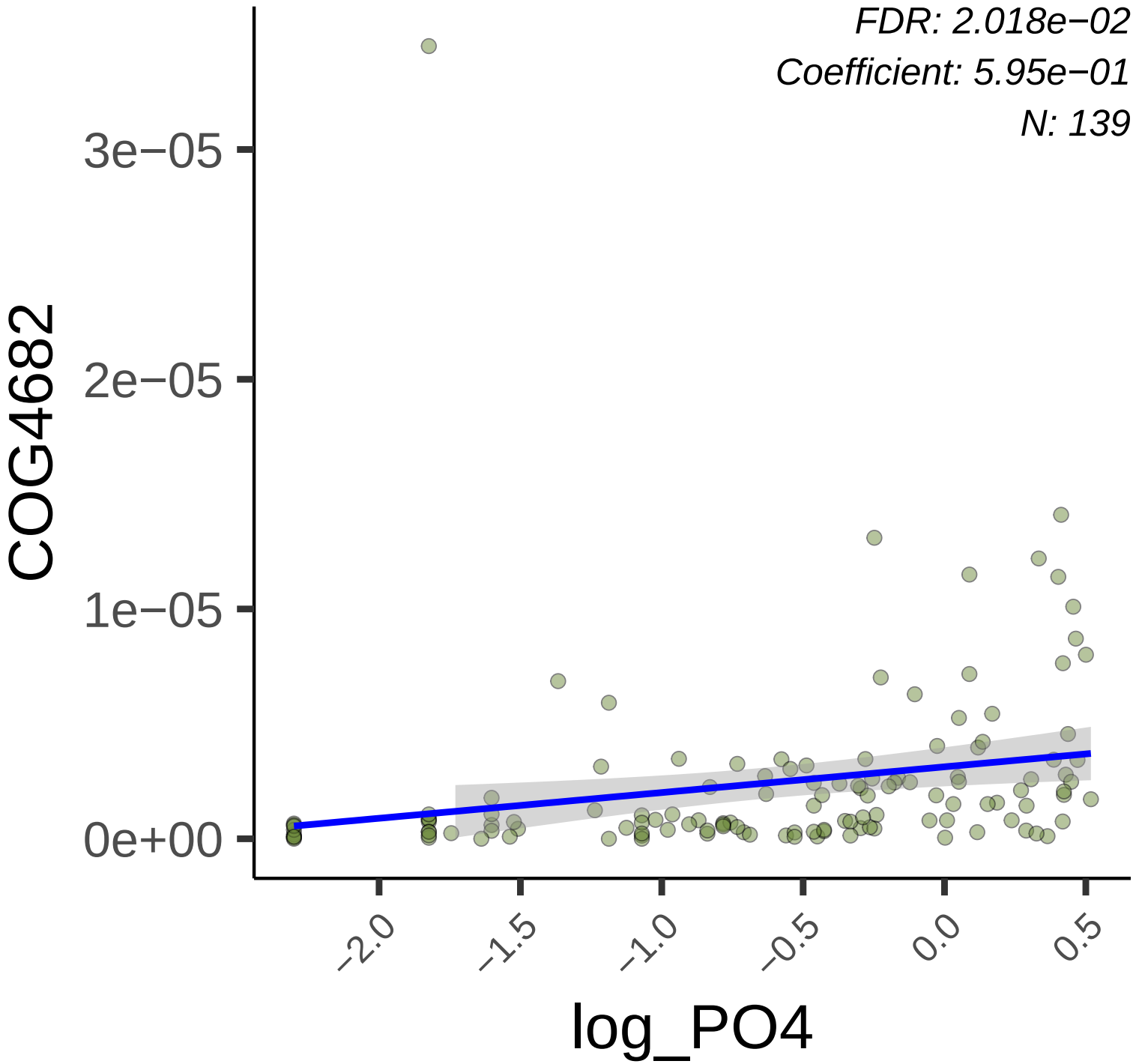
log_PO4


FDR: 2.018e−02
Coefficient: 5.95e−01
N: 139
COG4682
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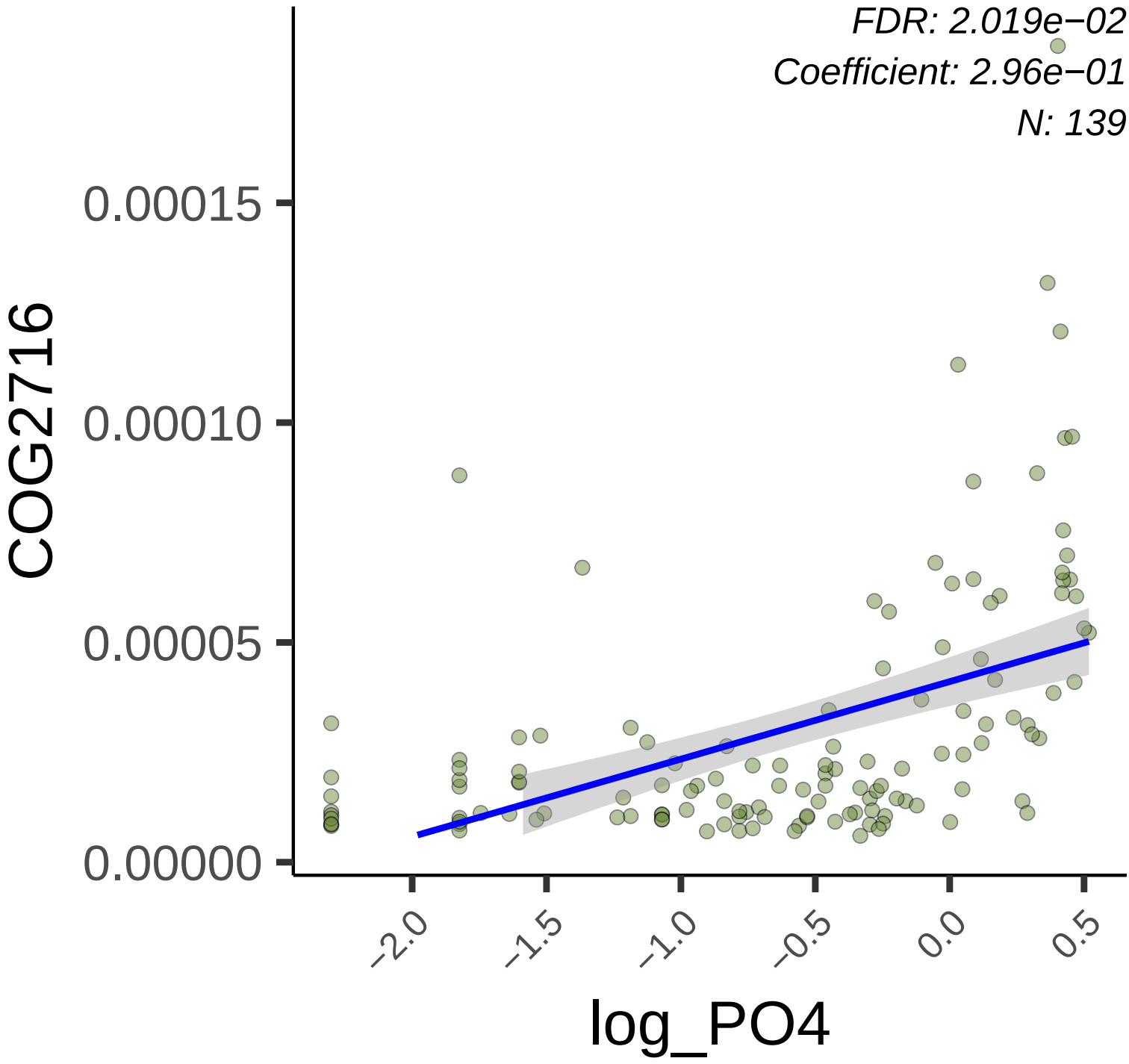
log_PO4


FDR: 2.019e−02
Coefficient: 2.96e−01
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COG2716
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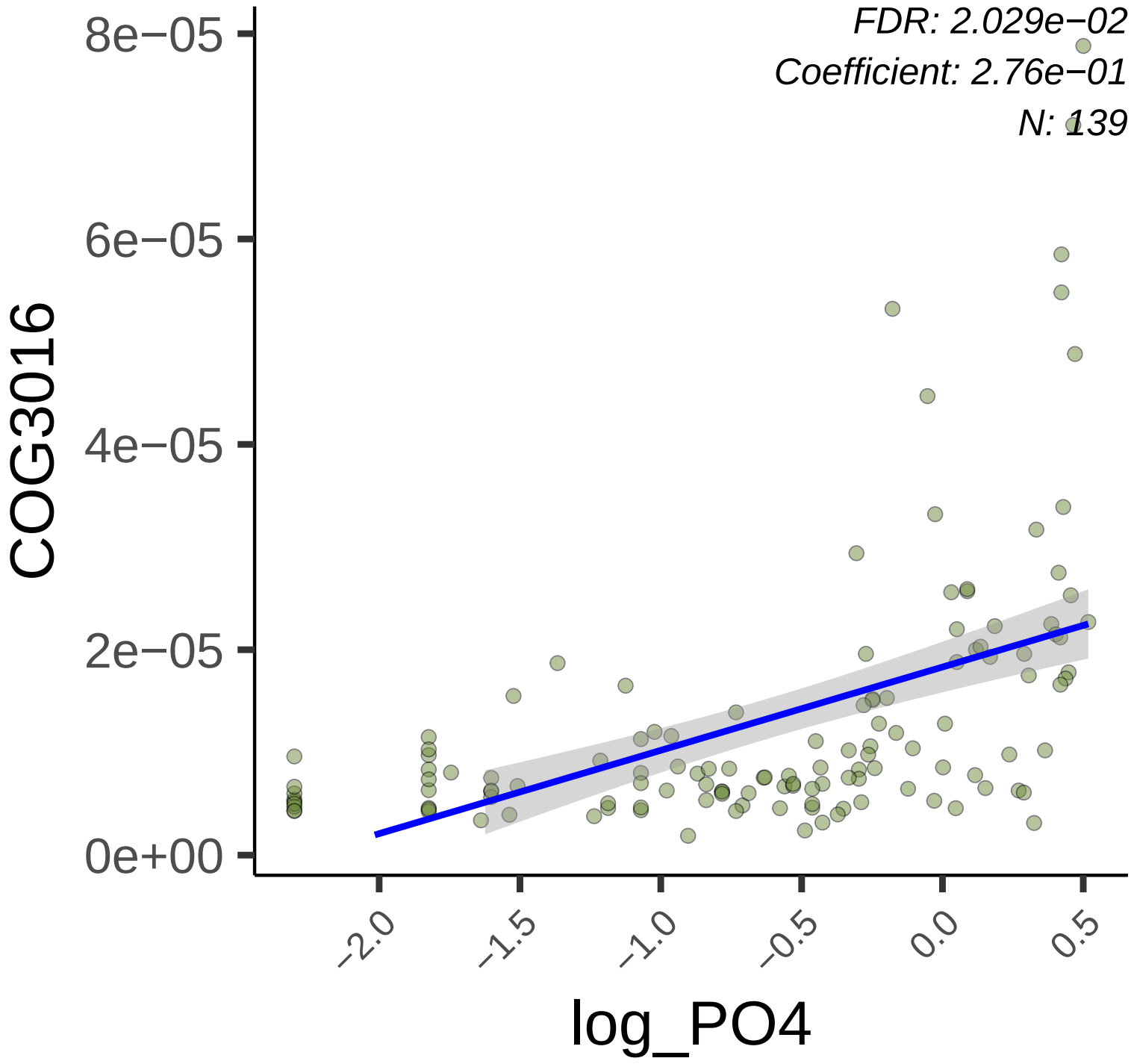
log_PO4


FDR: 2.029e−02
Coefficient: 2.76e−01
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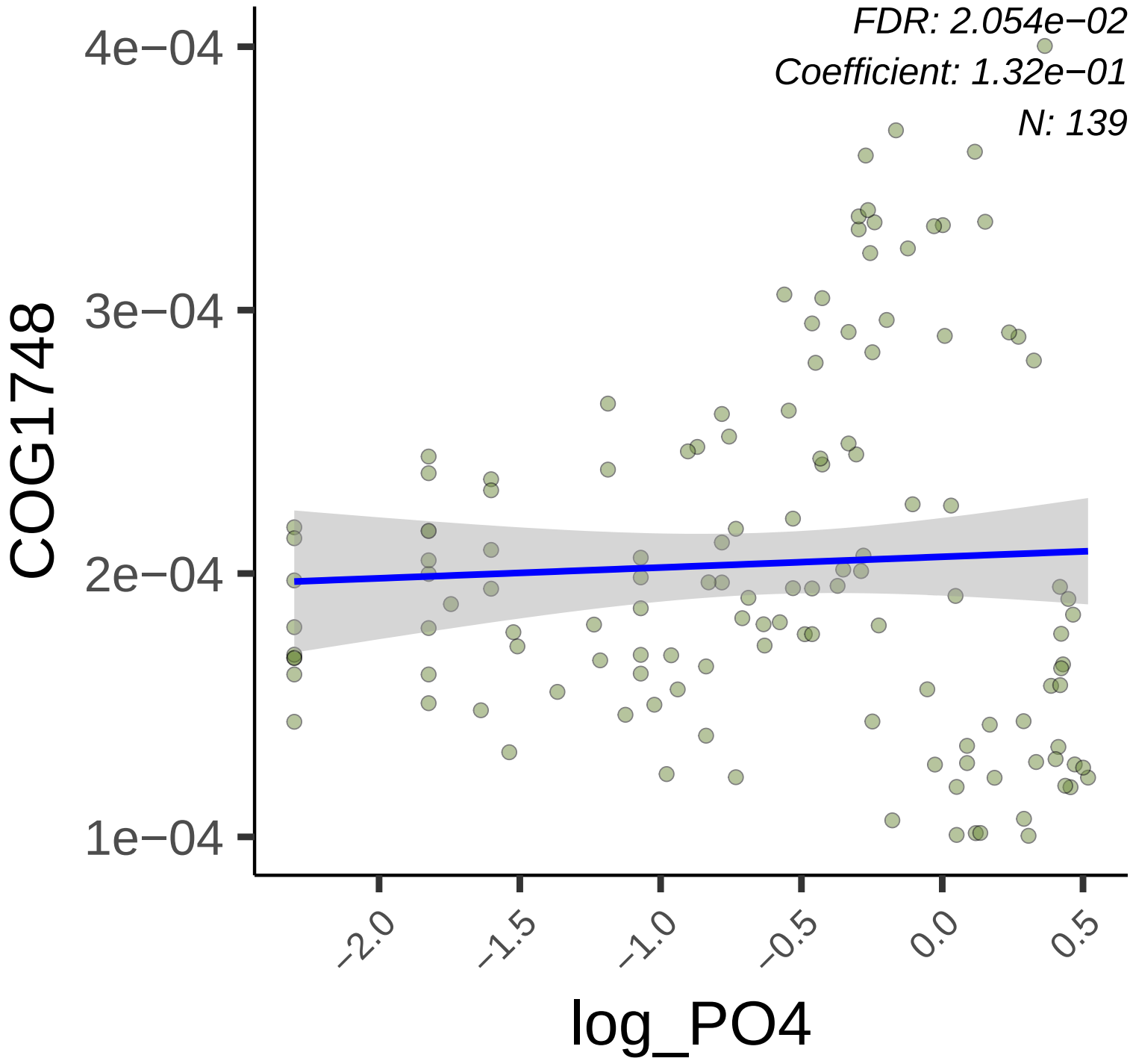
log_PO4


FDR: 2.054e−02
Coefficient: 1.32e−01
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COG1748
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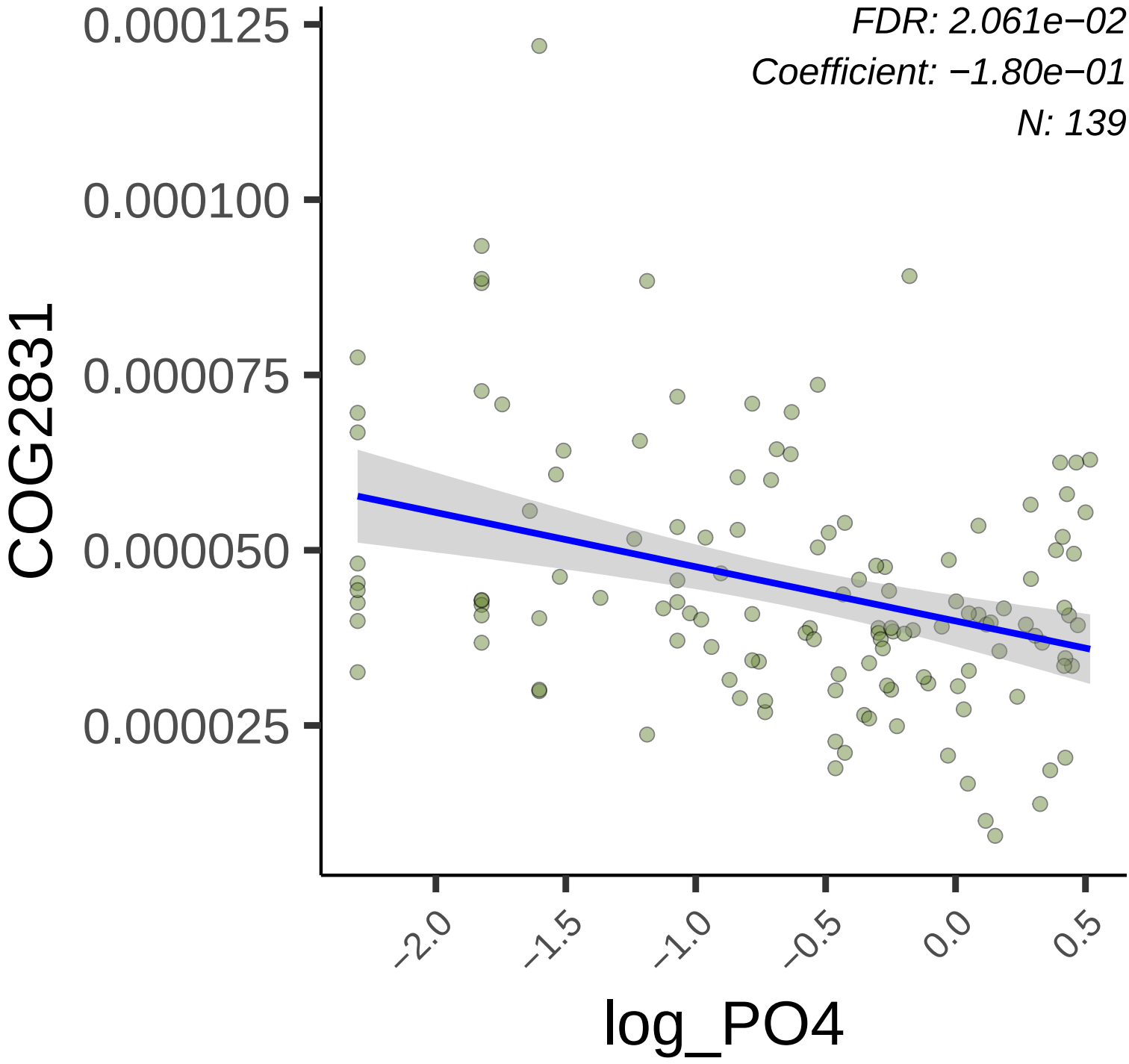
log_PO4


FDR: 2.061e−02
Coefficient: −1.80e−01
N: 139
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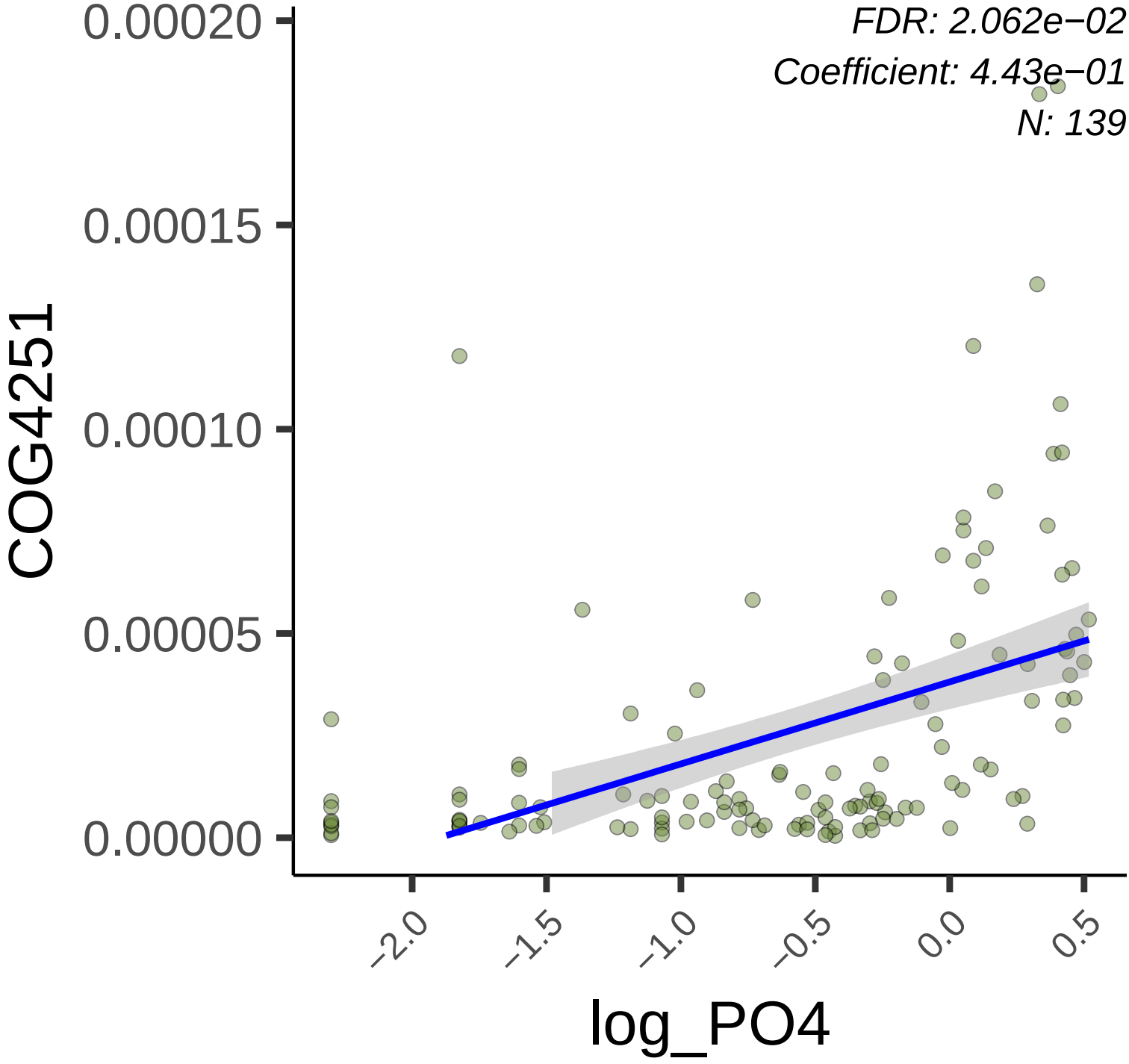
log_PO4


FDR: 2.062e−02
Coefficient: 4.43e−01
N: 139
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COG4251
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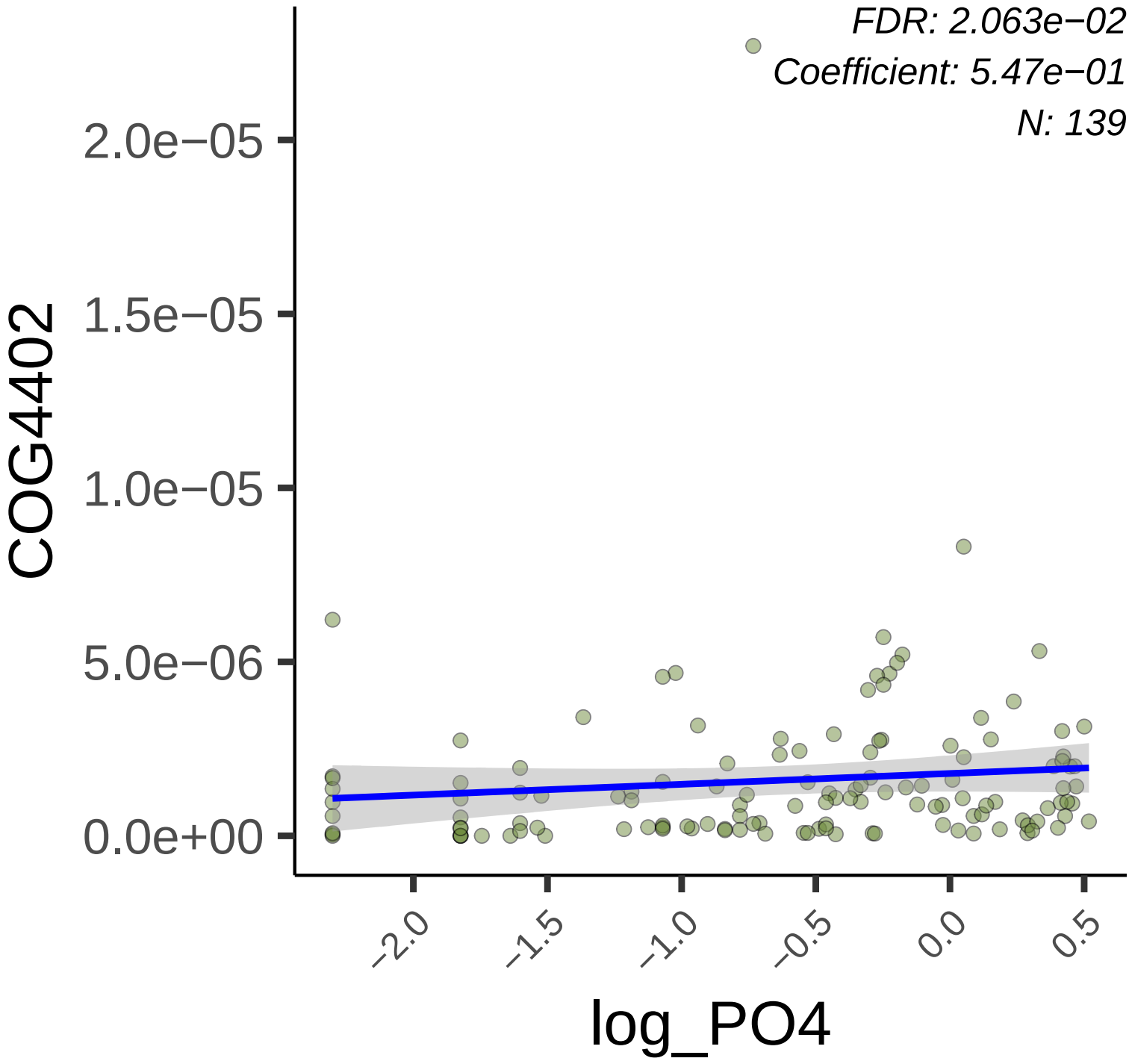
log_PO4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Coefficient: 5.47e−01
N: 139
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1.0e−05
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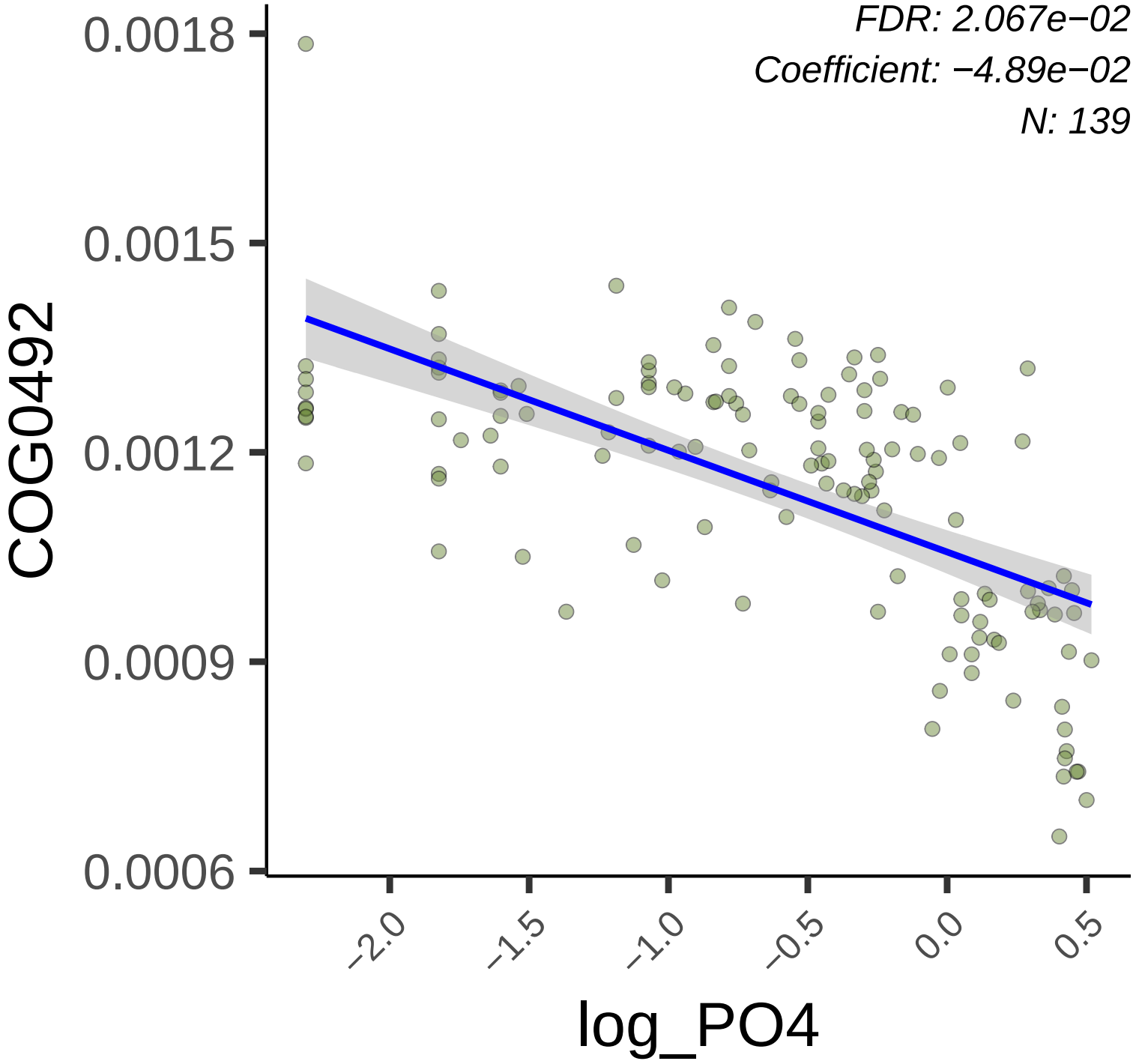
log_PO4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Coefficient: −4.89e−02
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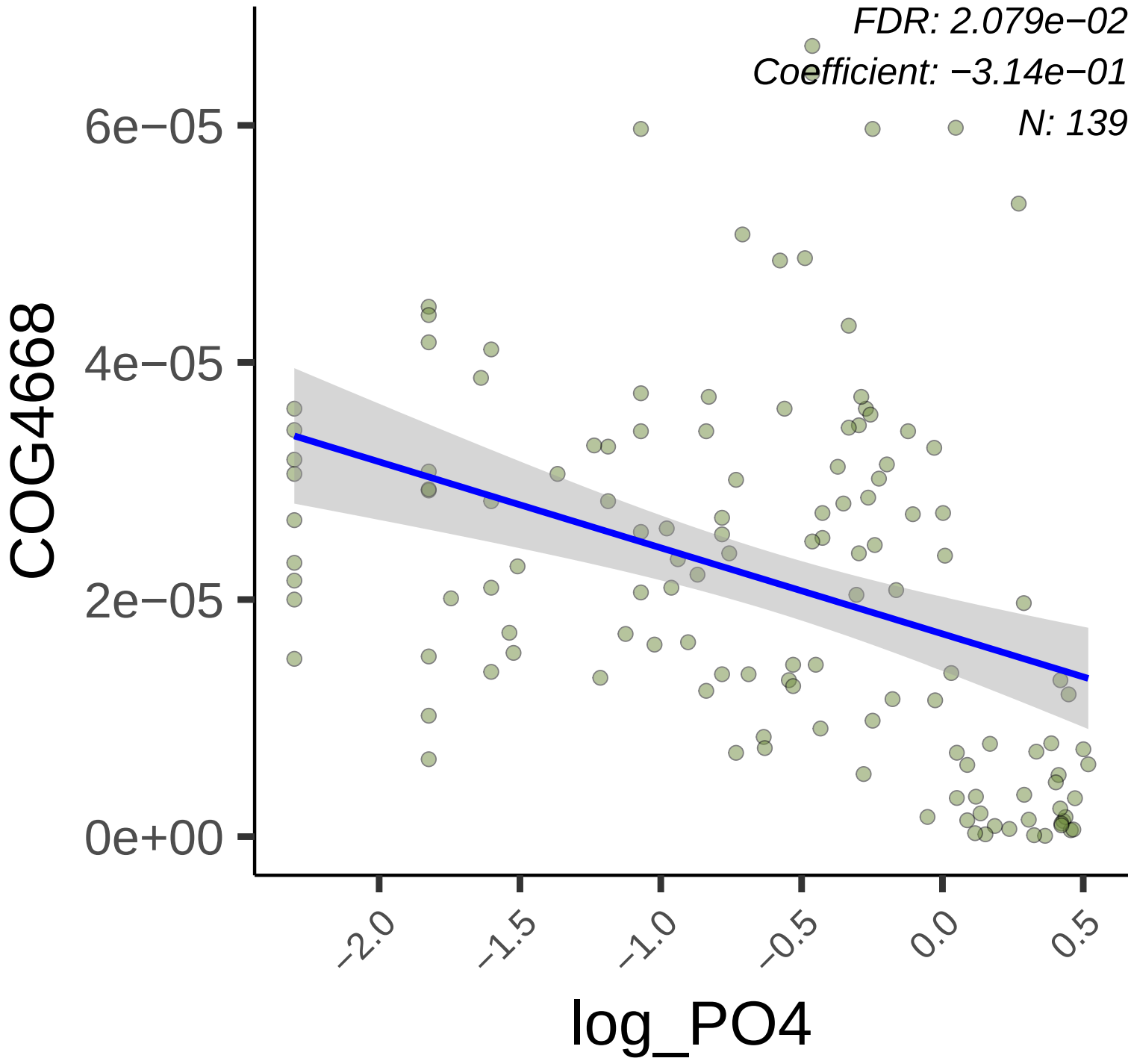
log_PO4


FDR: 2.079e−02
Coefficient: −3.14e−01
N: 139
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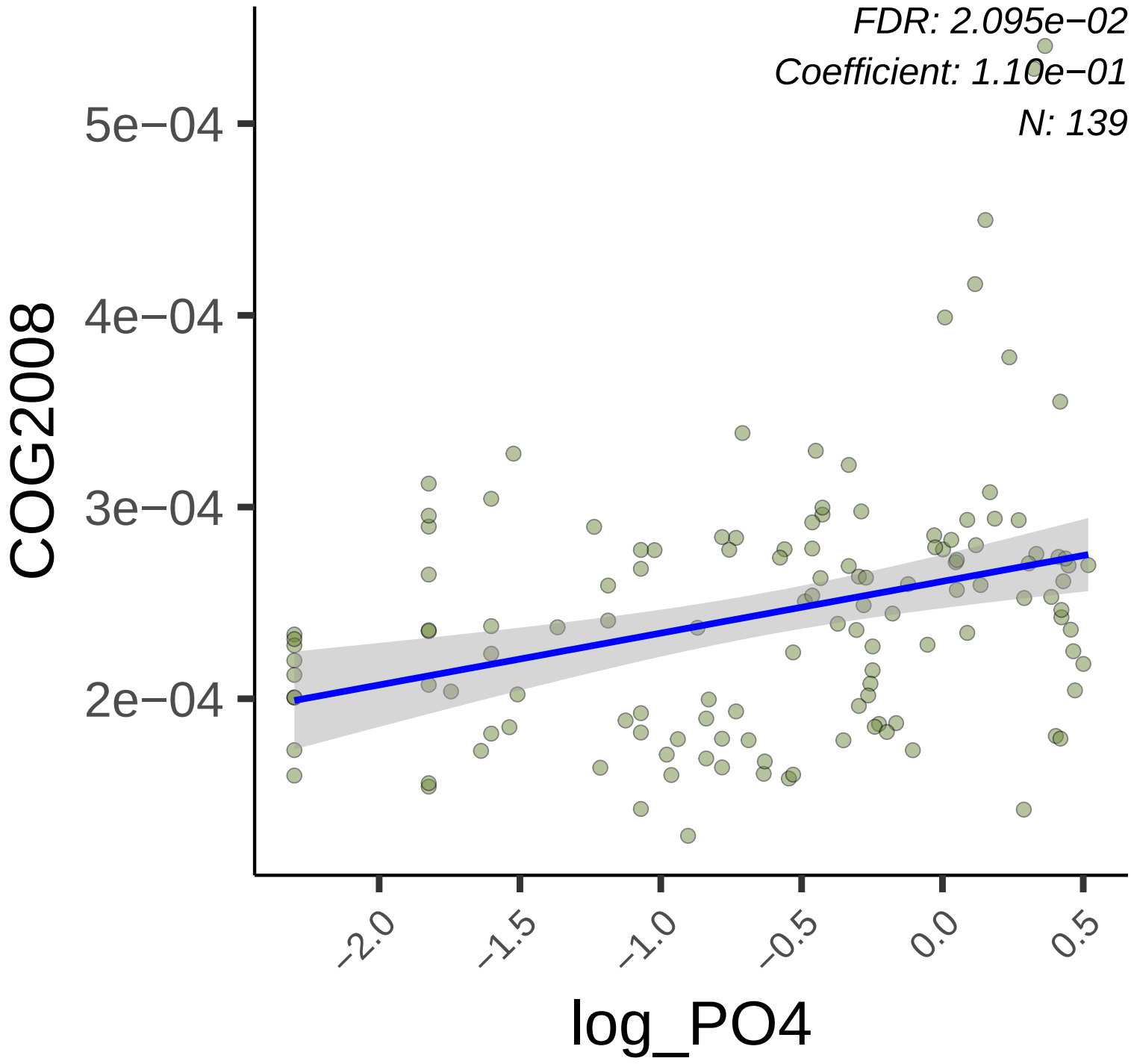
log_PO4


FDR: 2.095e−02
Coefficient: 1.10e−01
N: 139
COG2008
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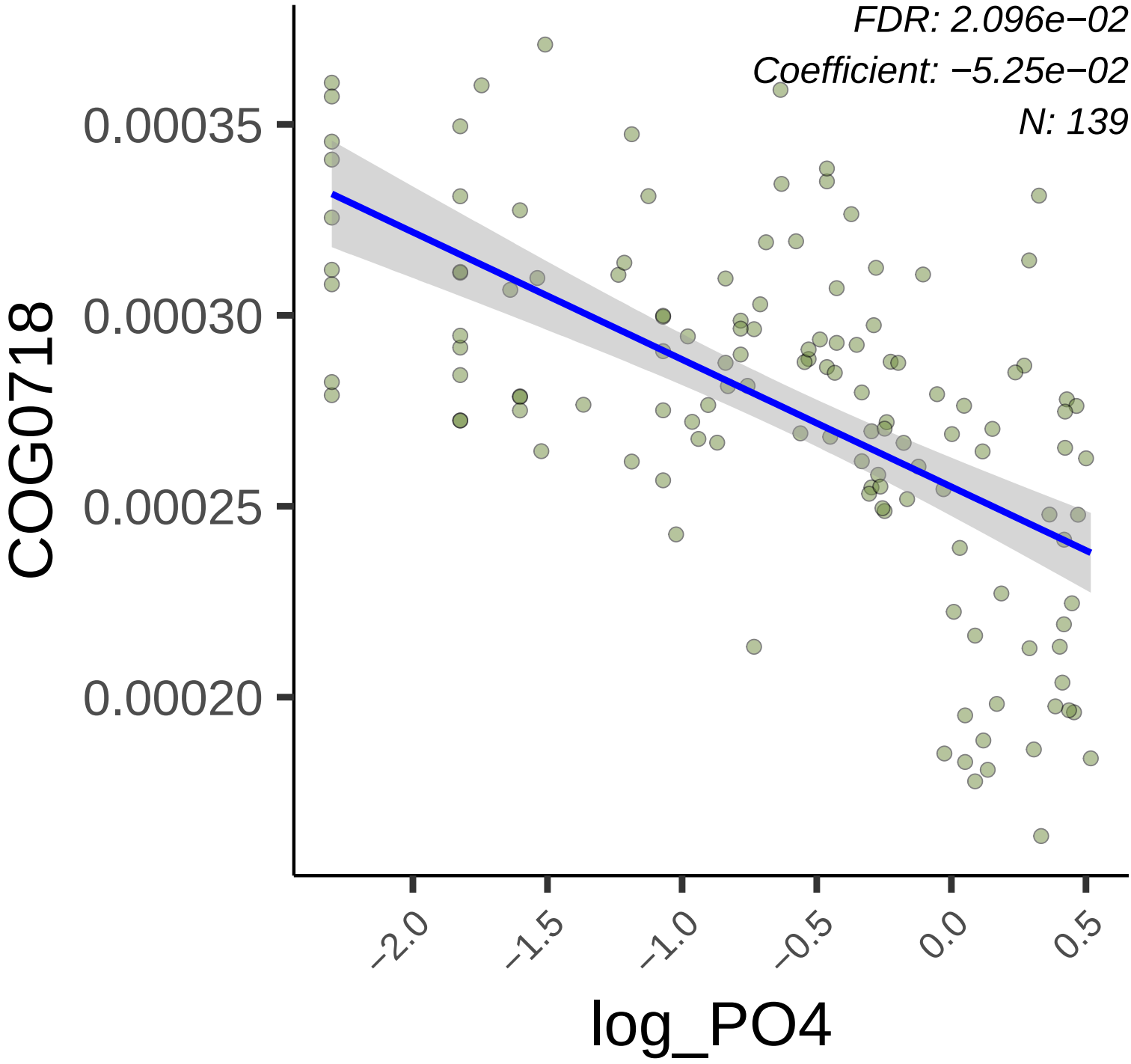
log_PO4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Coefficient: −5.25e−02
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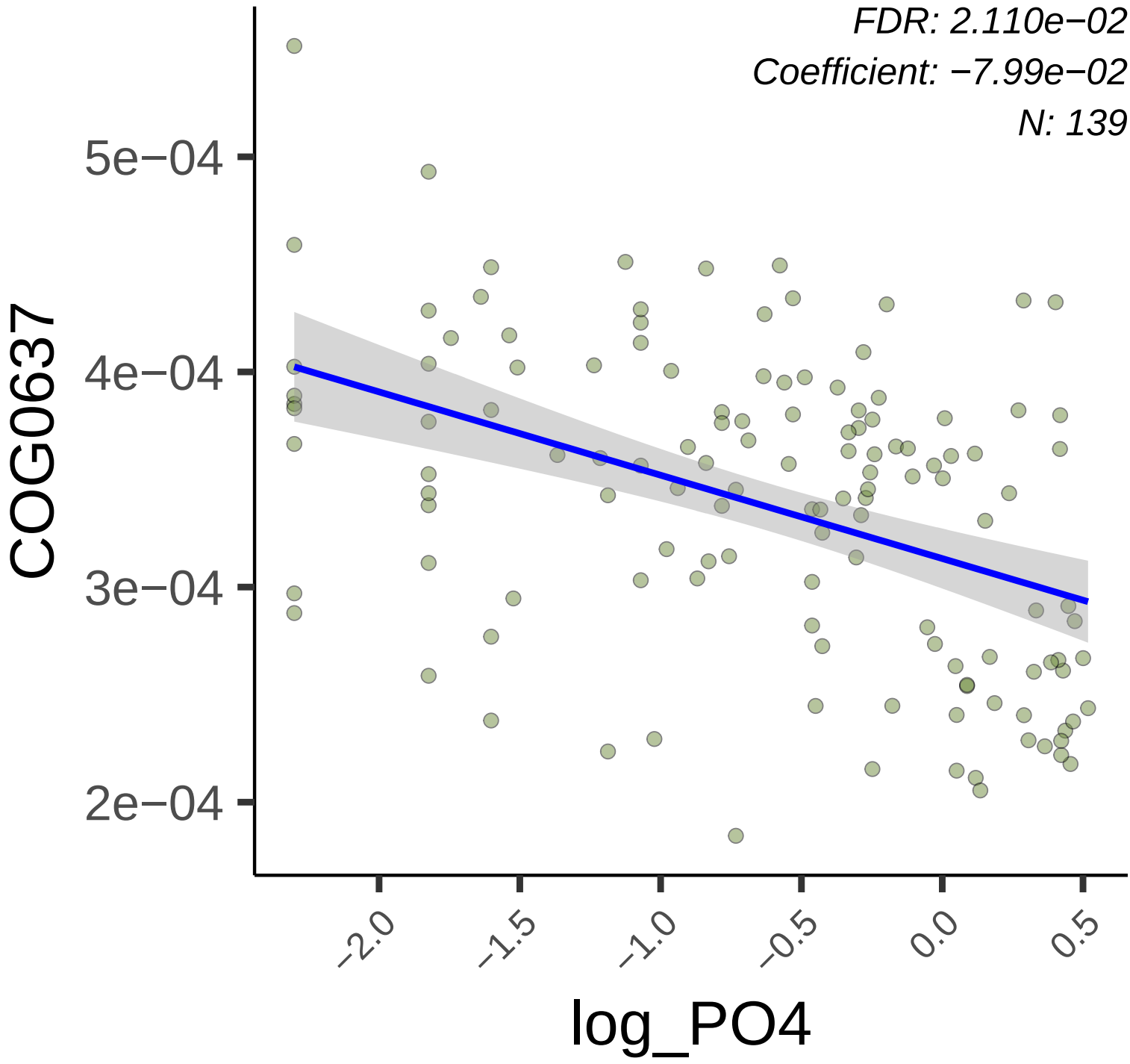
log_PO4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Coefficient: −7.99e−02
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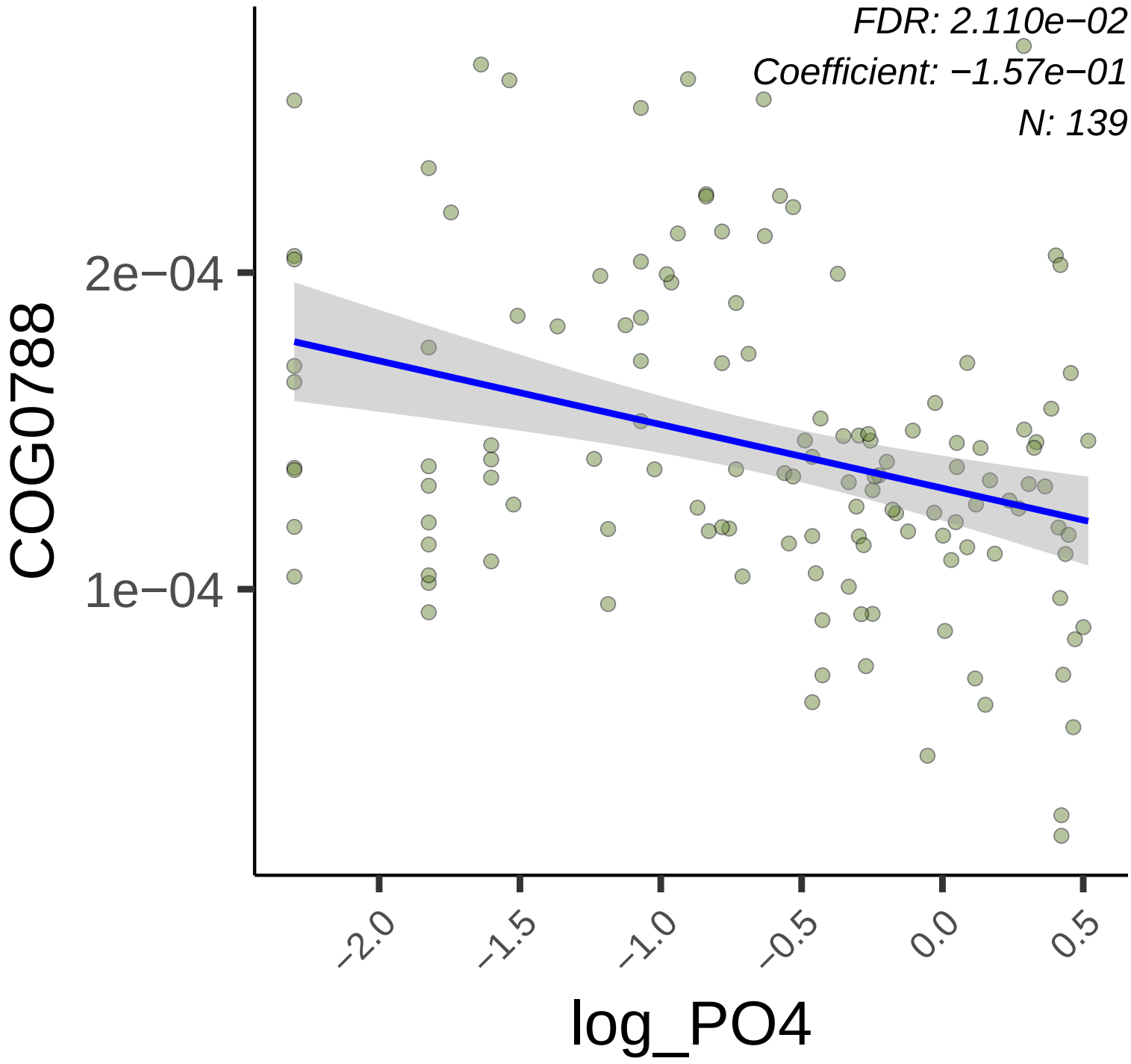
log_PO4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Coefficient: −1.57e−01
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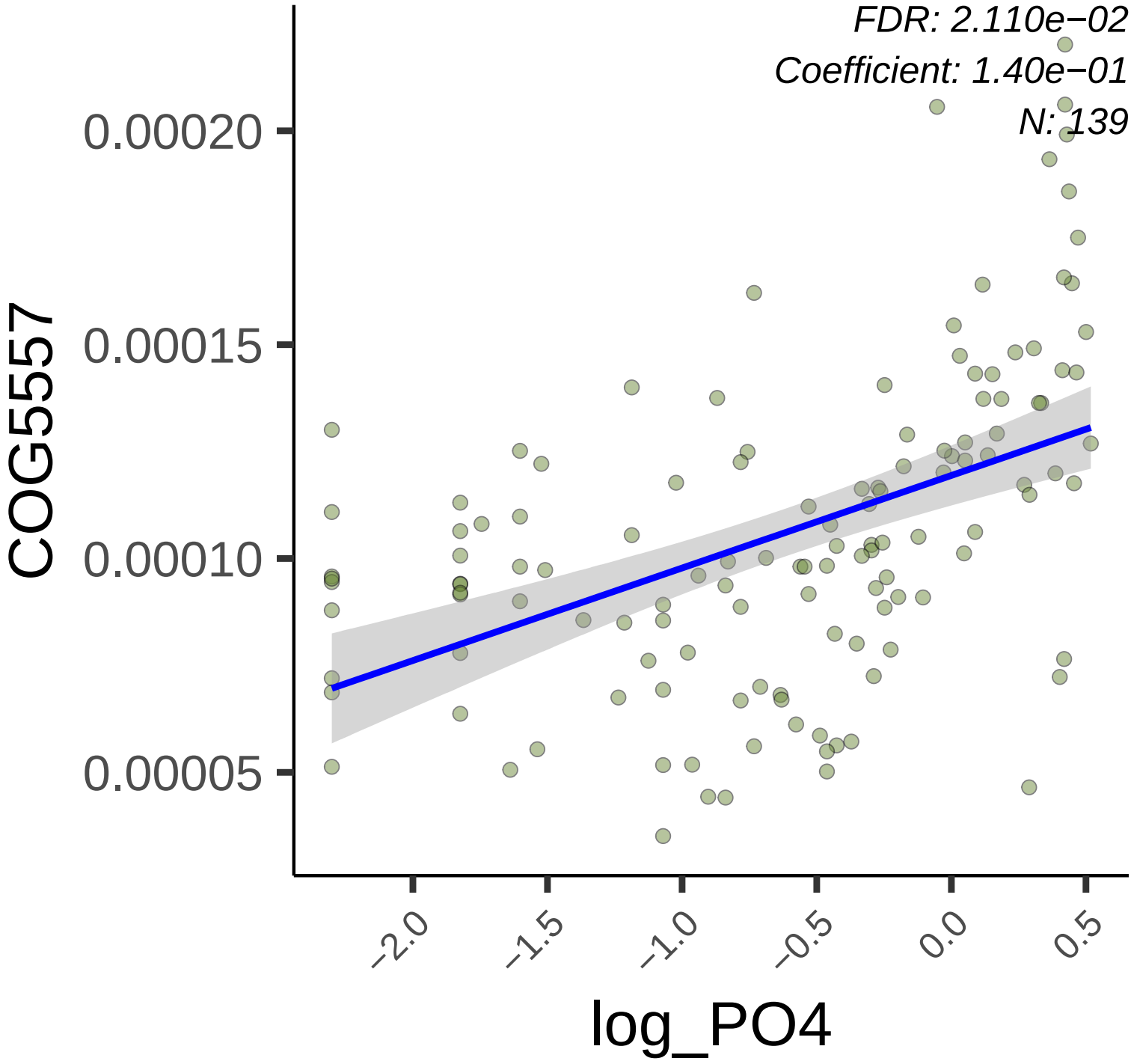
log_PO4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Coefficient: 1.40e−01
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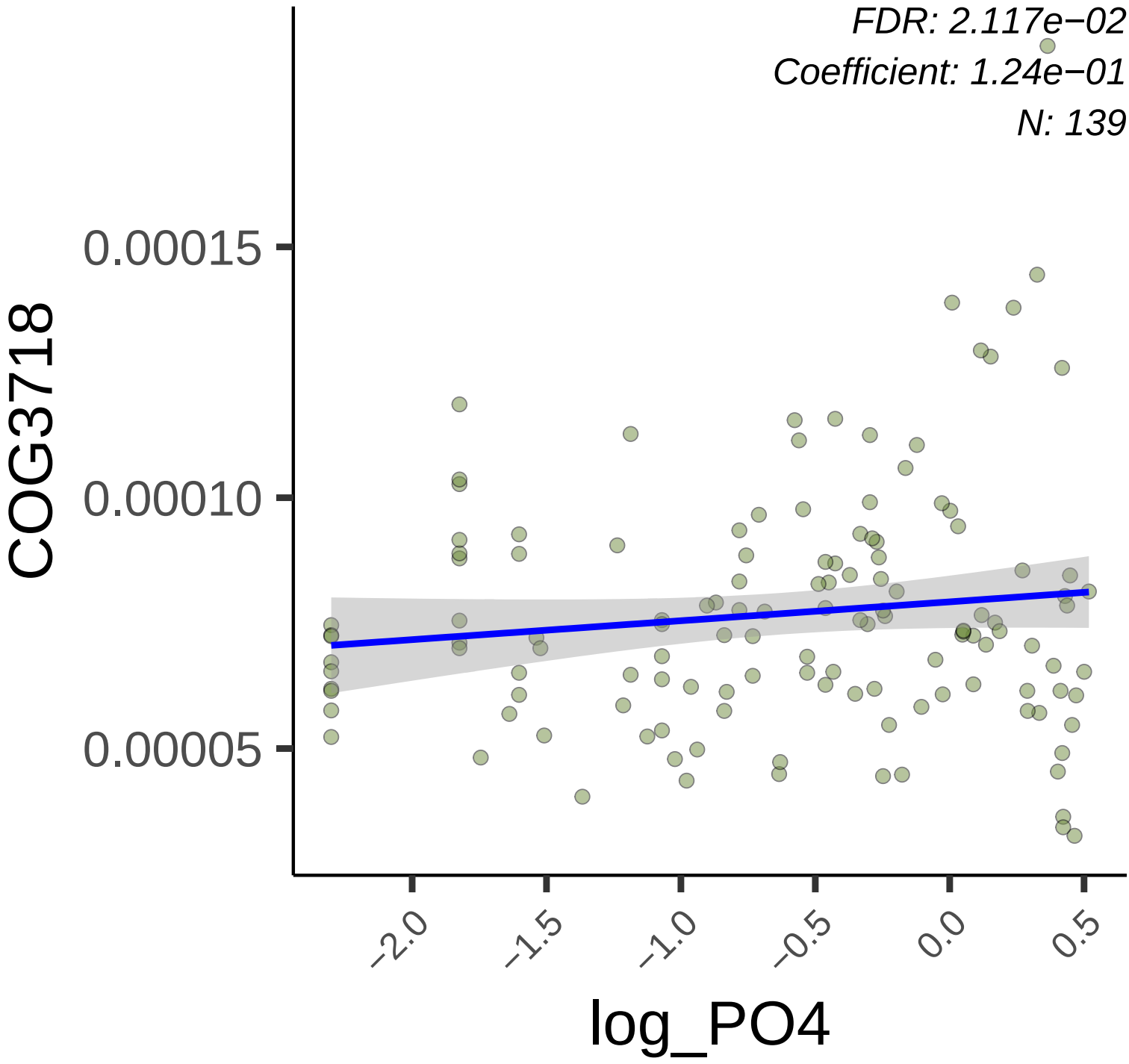
log_PO4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Coefficient: 1.24e−01
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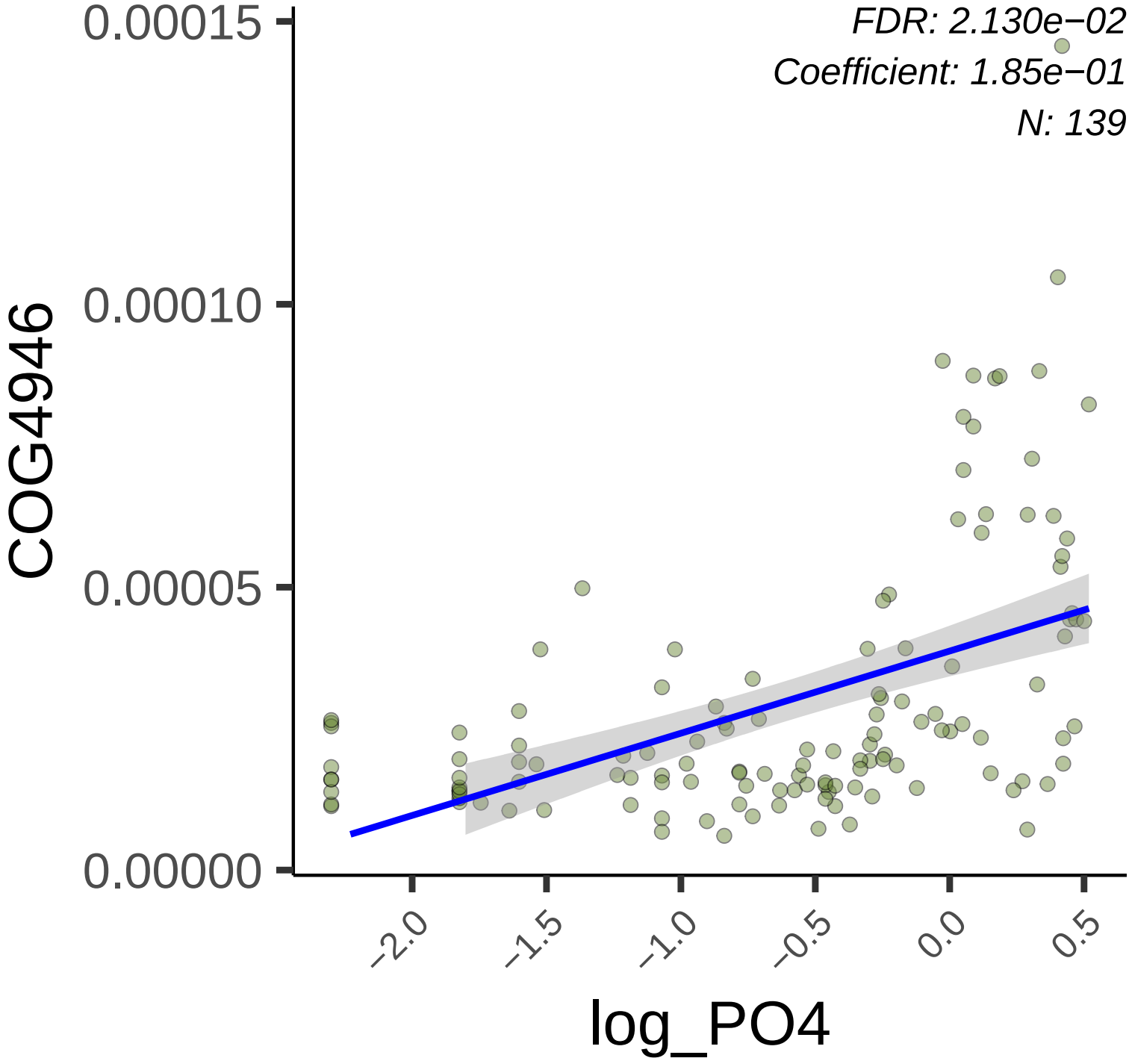
log_PO4


FDR: 2.130e−02
Coefficient: 1.85e−01
N: 139
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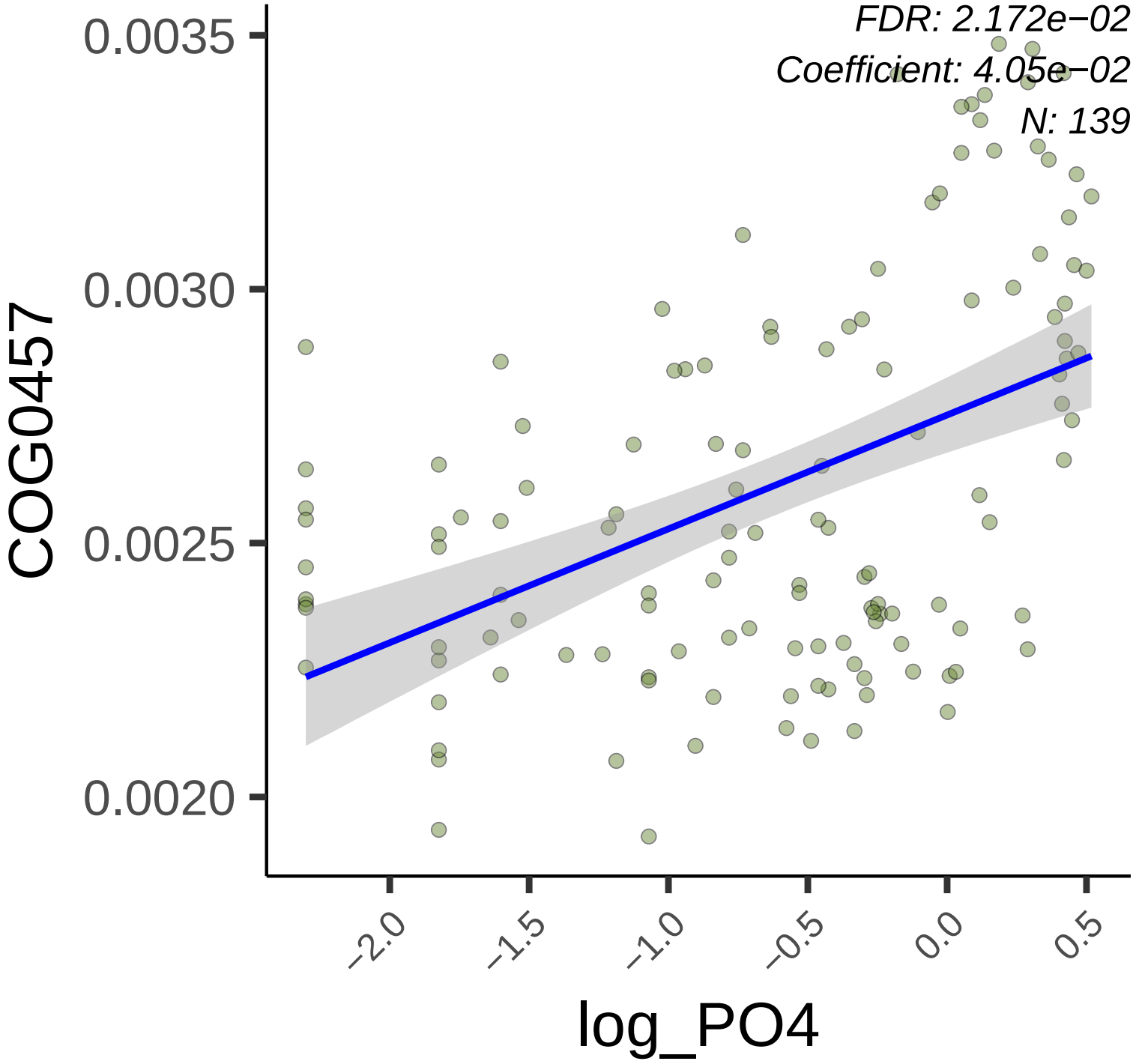
log_PO4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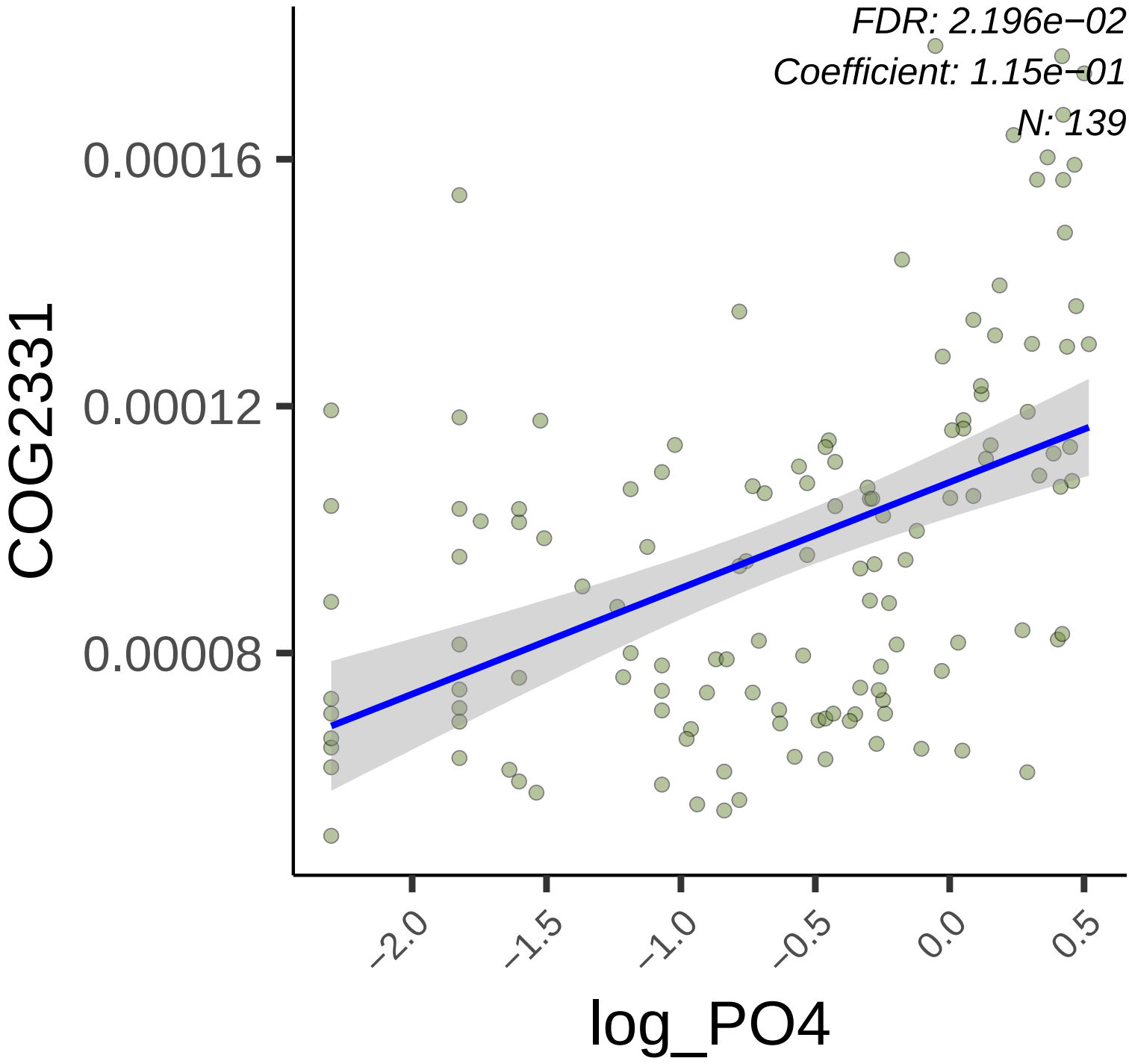
log_PO4


FDR: 2.196e−02
Coefficient: 1.15e−01
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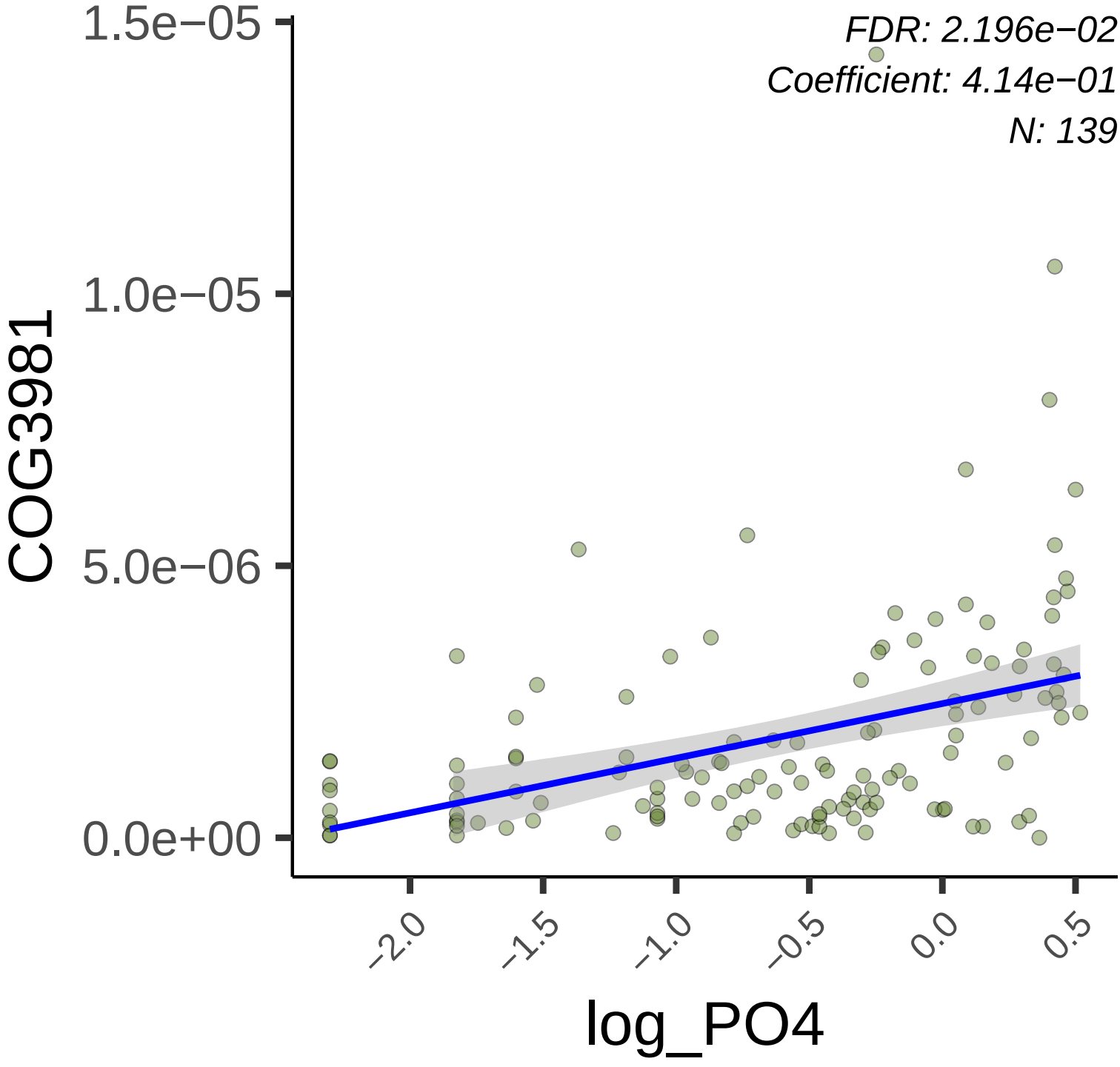
log_PO4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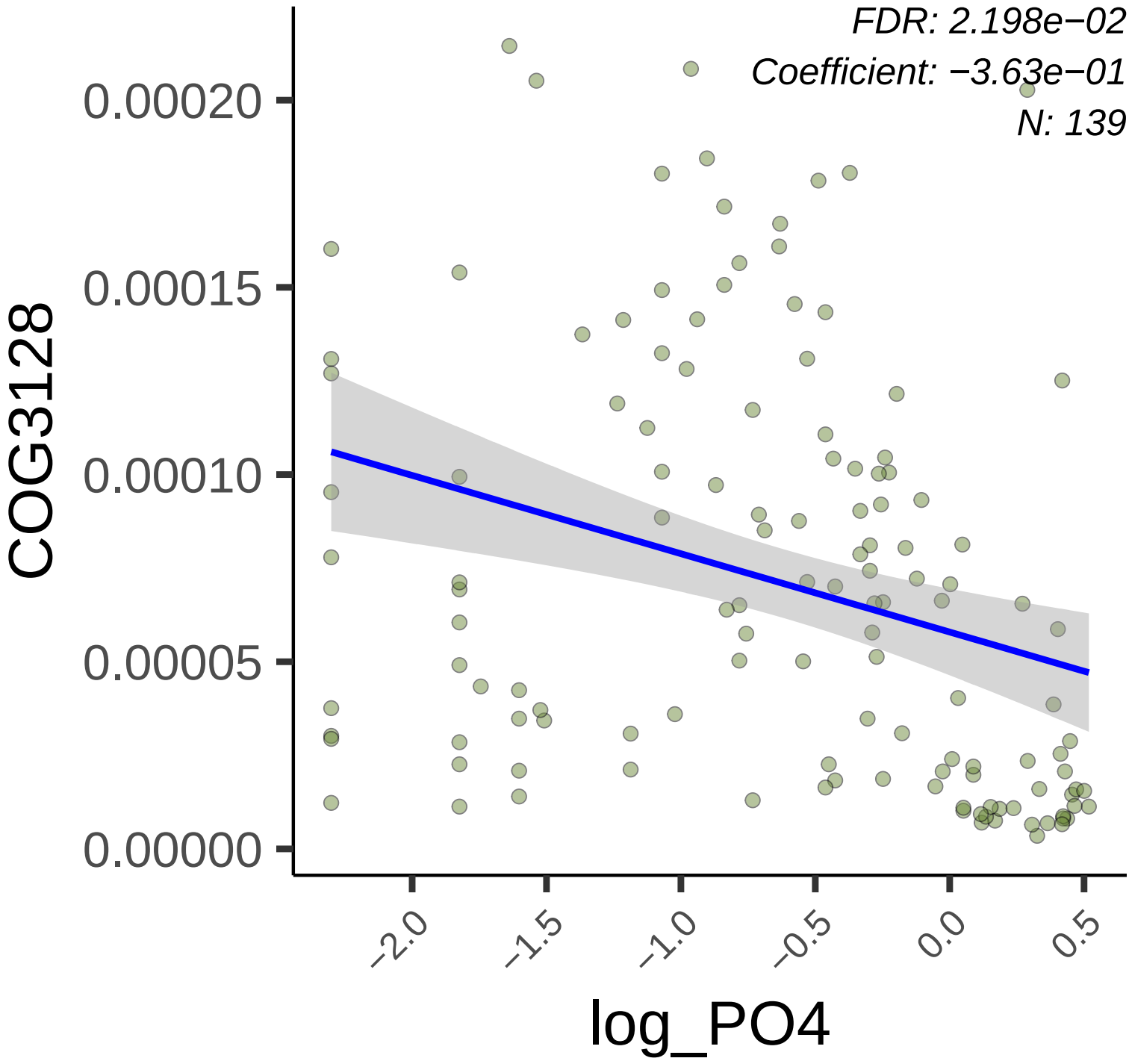
log_PO4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N: 139
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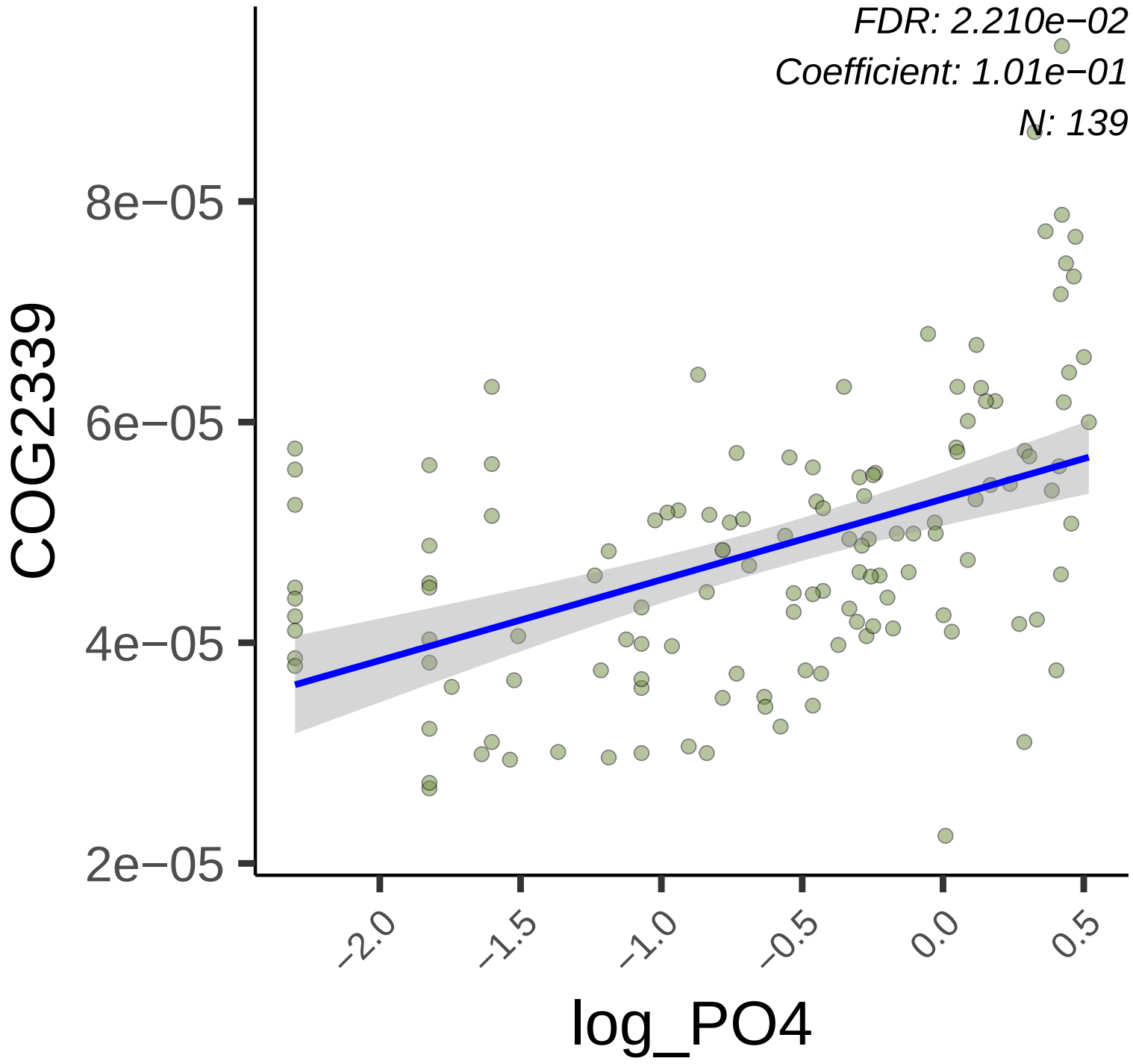
log_PO4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Coefficient: 1.01e−01
N: 139
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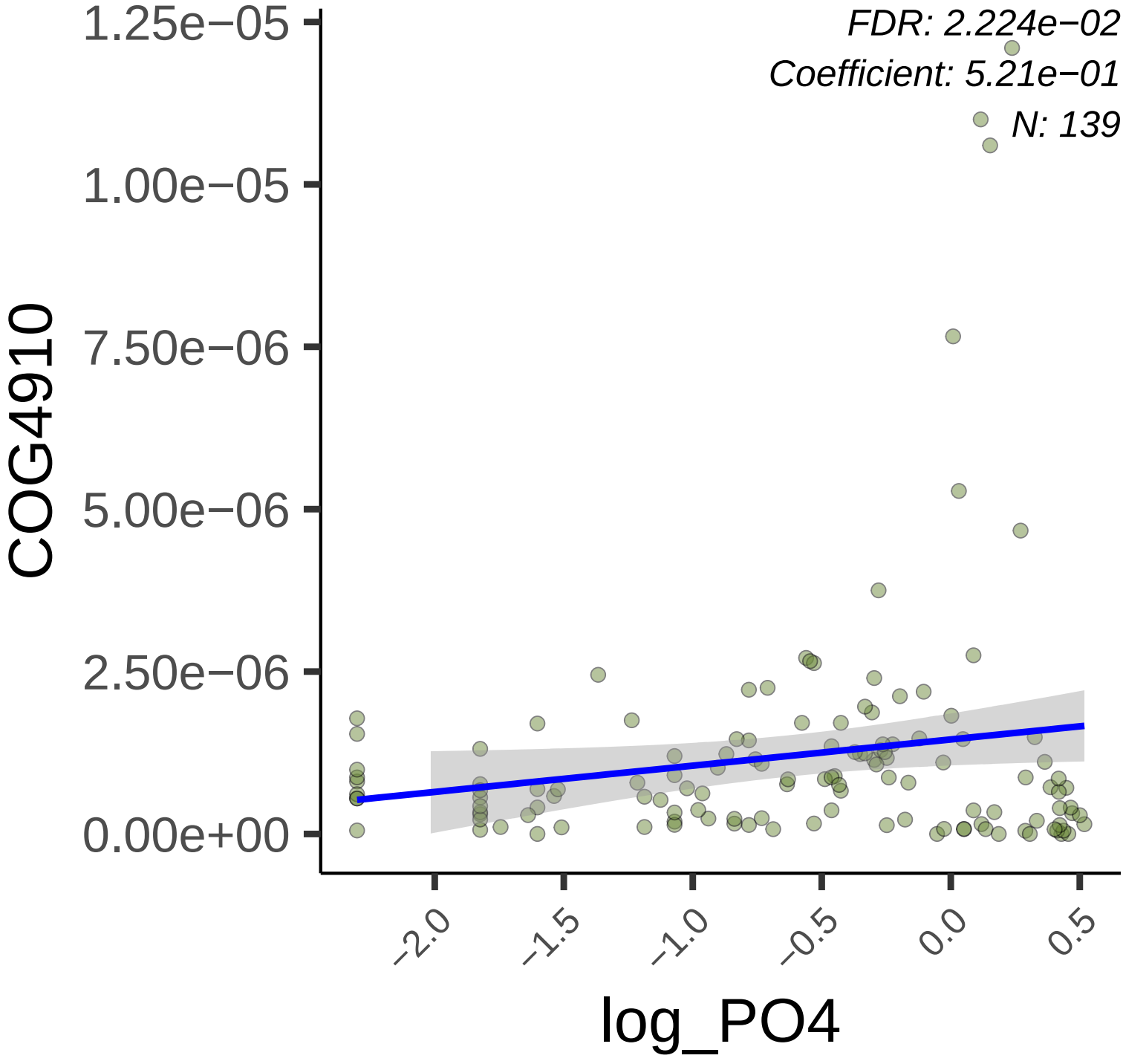
log_PO4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Coefficient: 5.21e−01
N: 139
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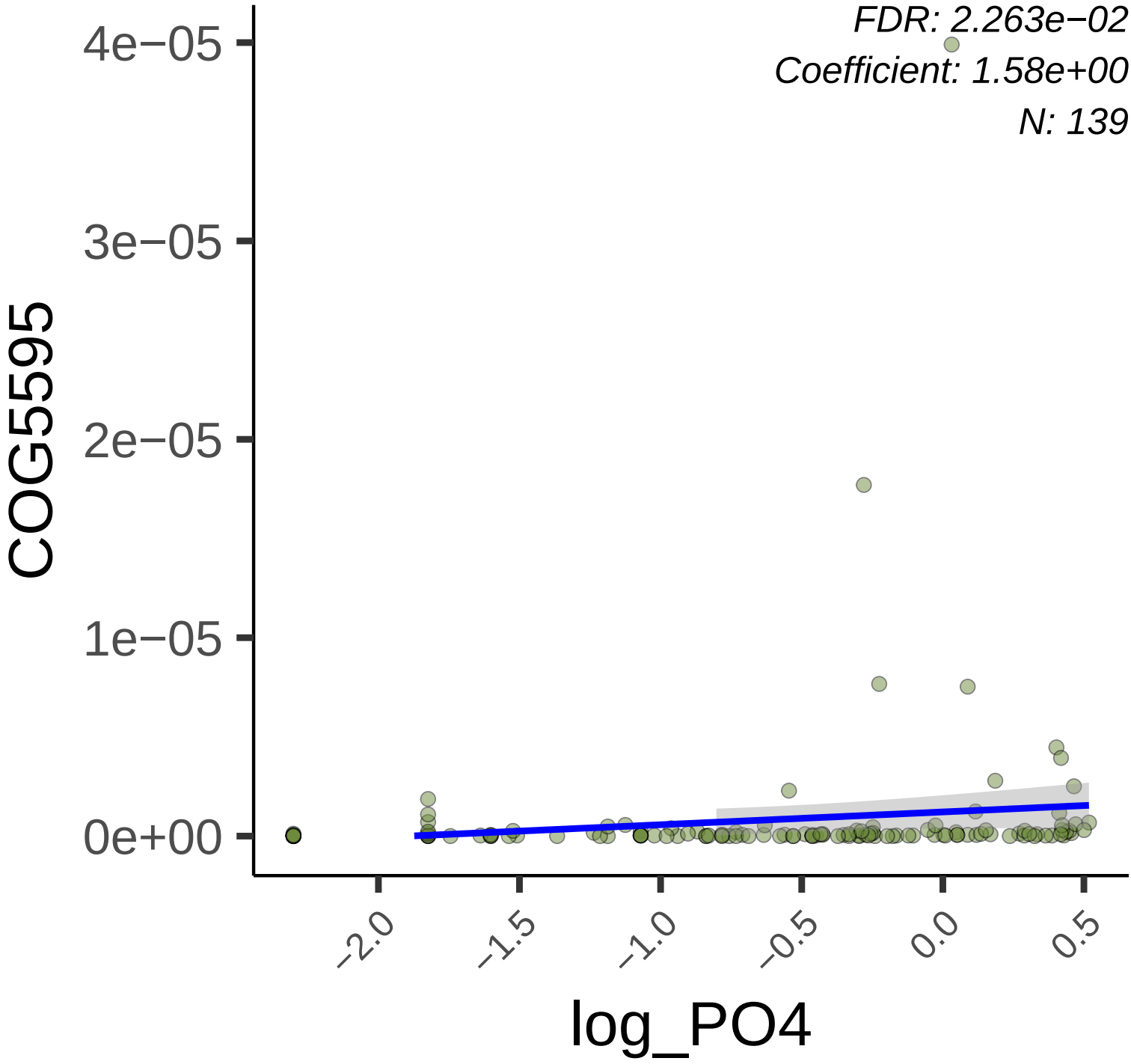
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Coefficient: 1.58e+00
N: 139
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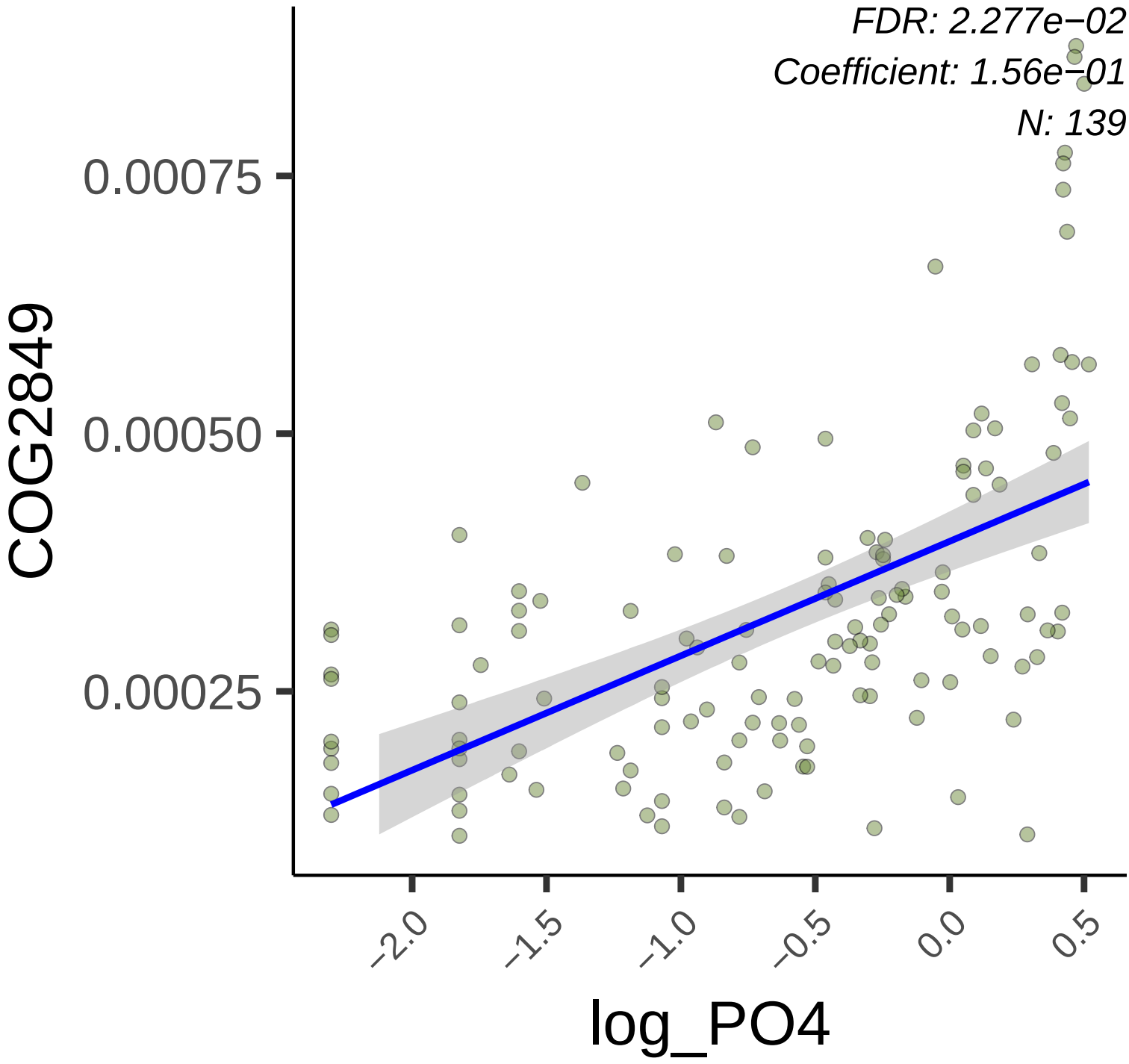
log_PO4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Coefficient: 1.56e−01
N: 139
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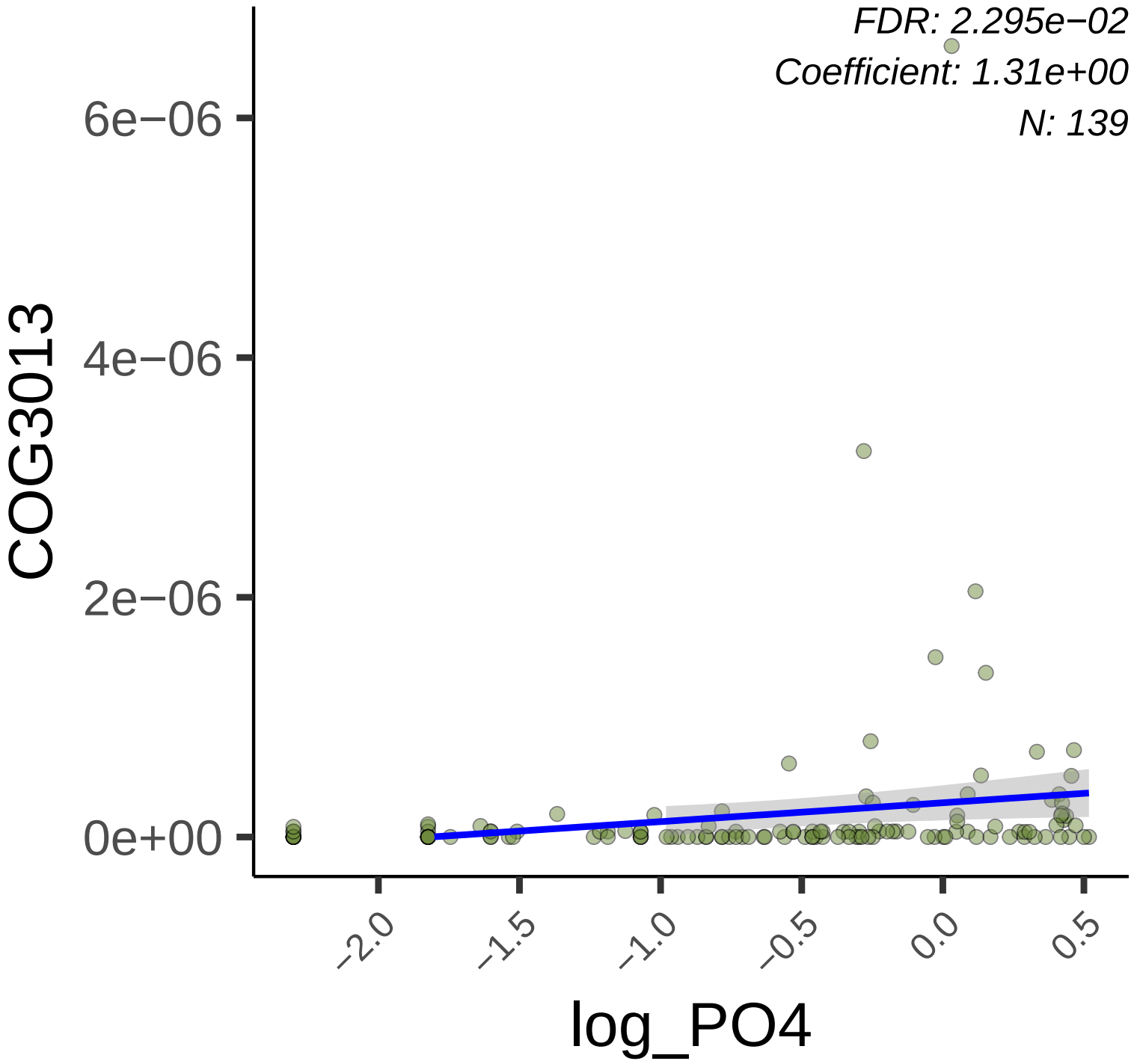
log_PO4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Coefficient: 1.31e+00
N: 139
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2e−06
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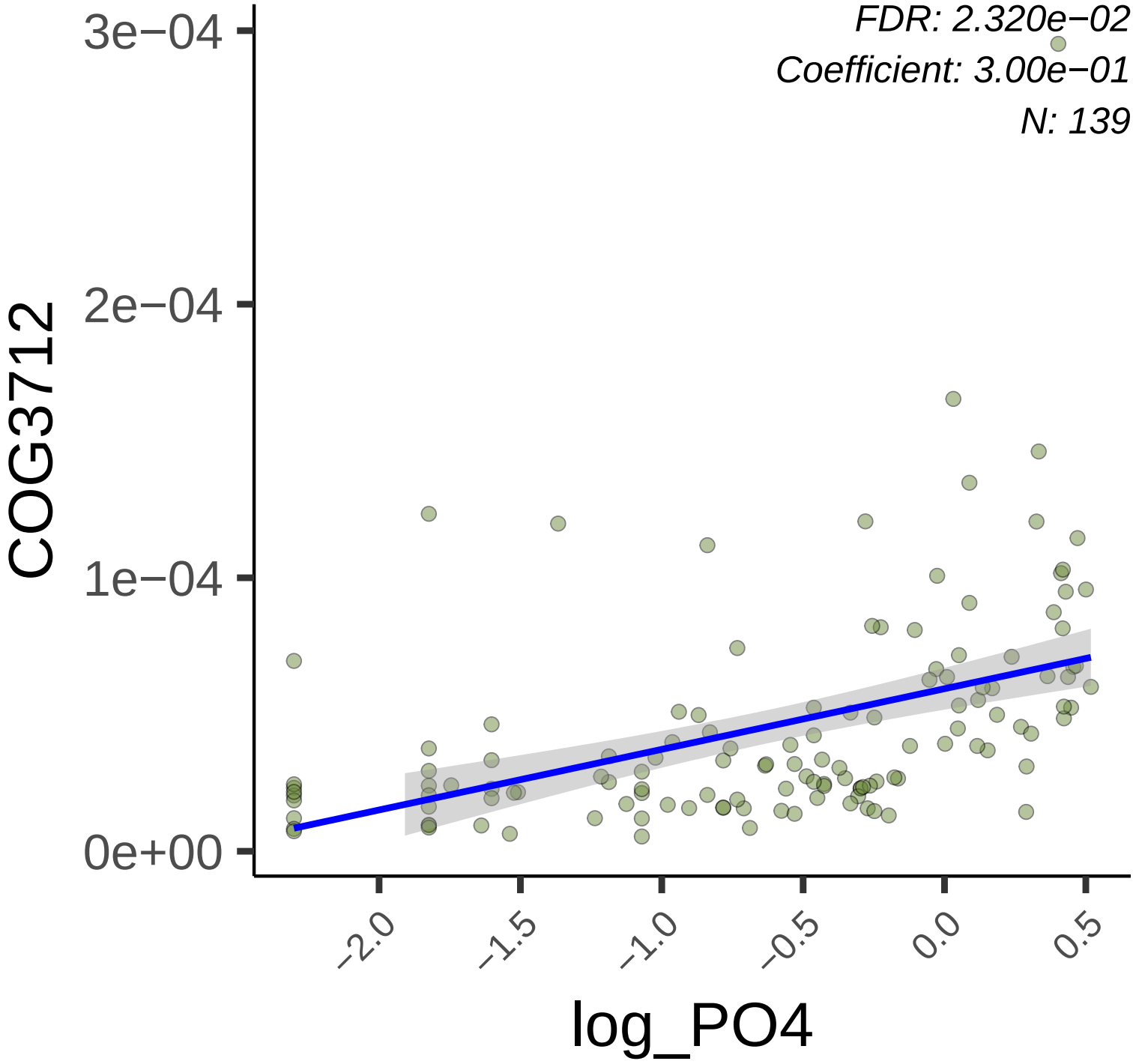
log_PO4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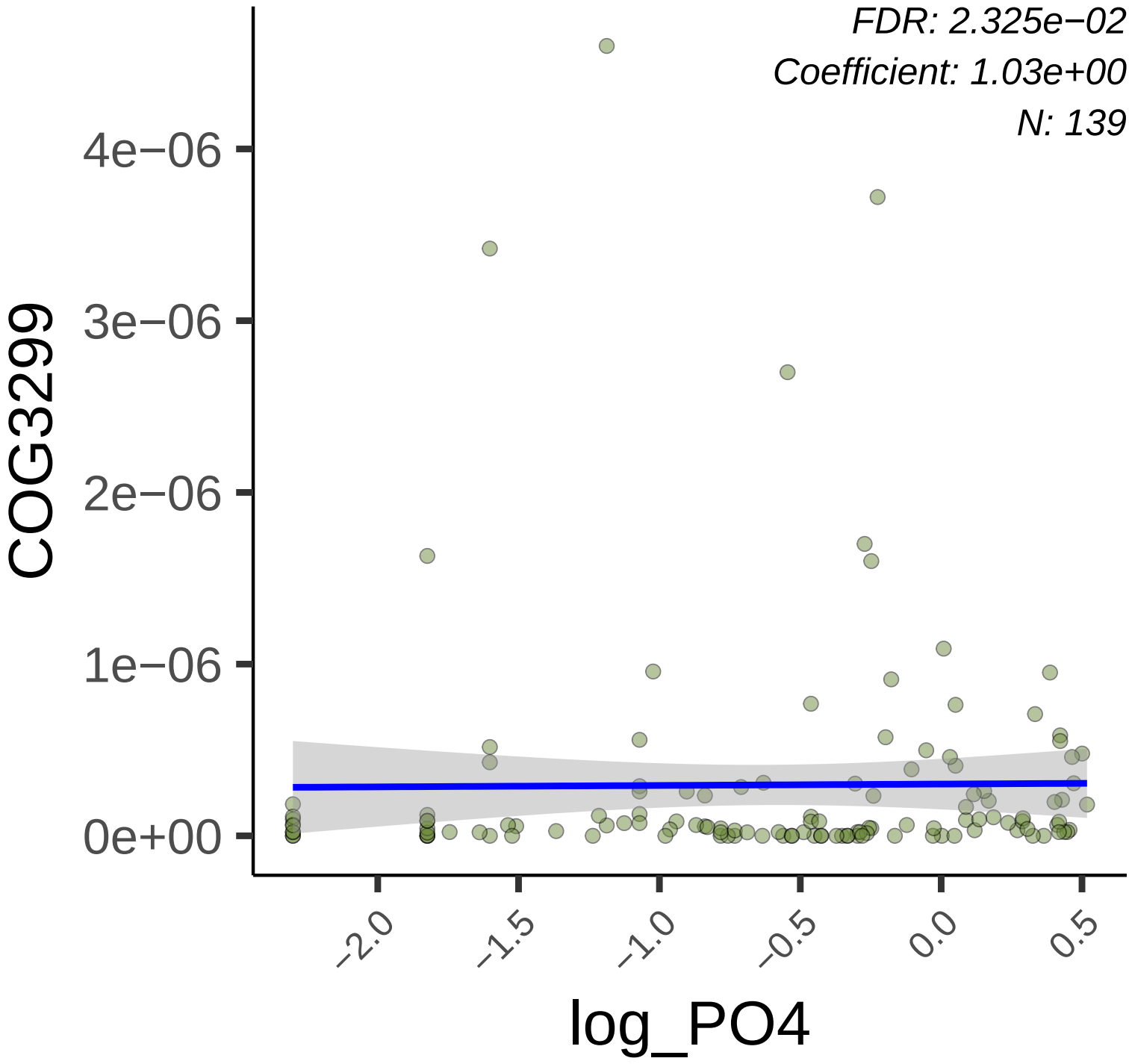
log_PO4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Coefficient: 1.03e+00
N: 139
COG3299
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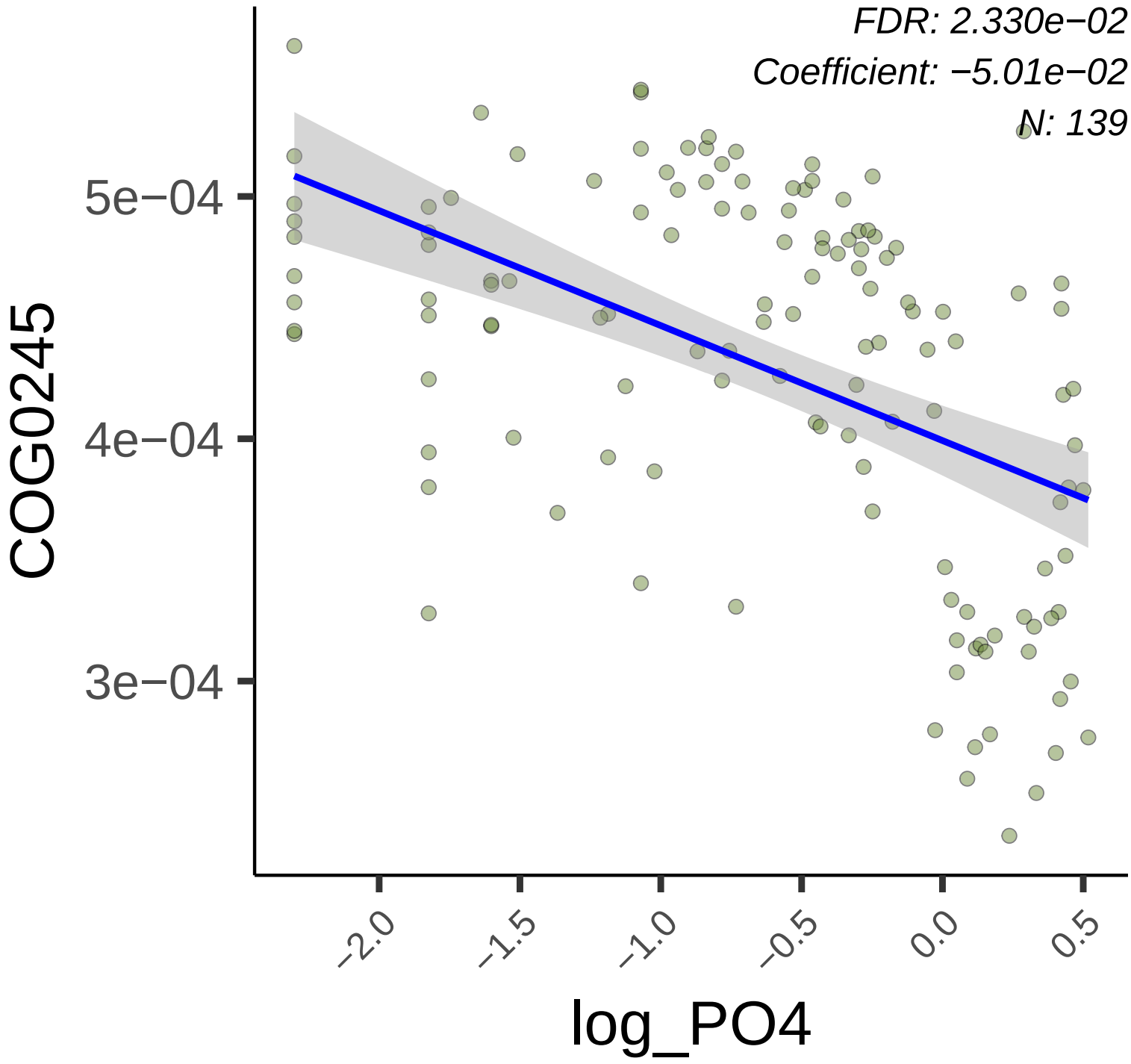
log_PO4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Coefficient: −5.01e−02
N: 139
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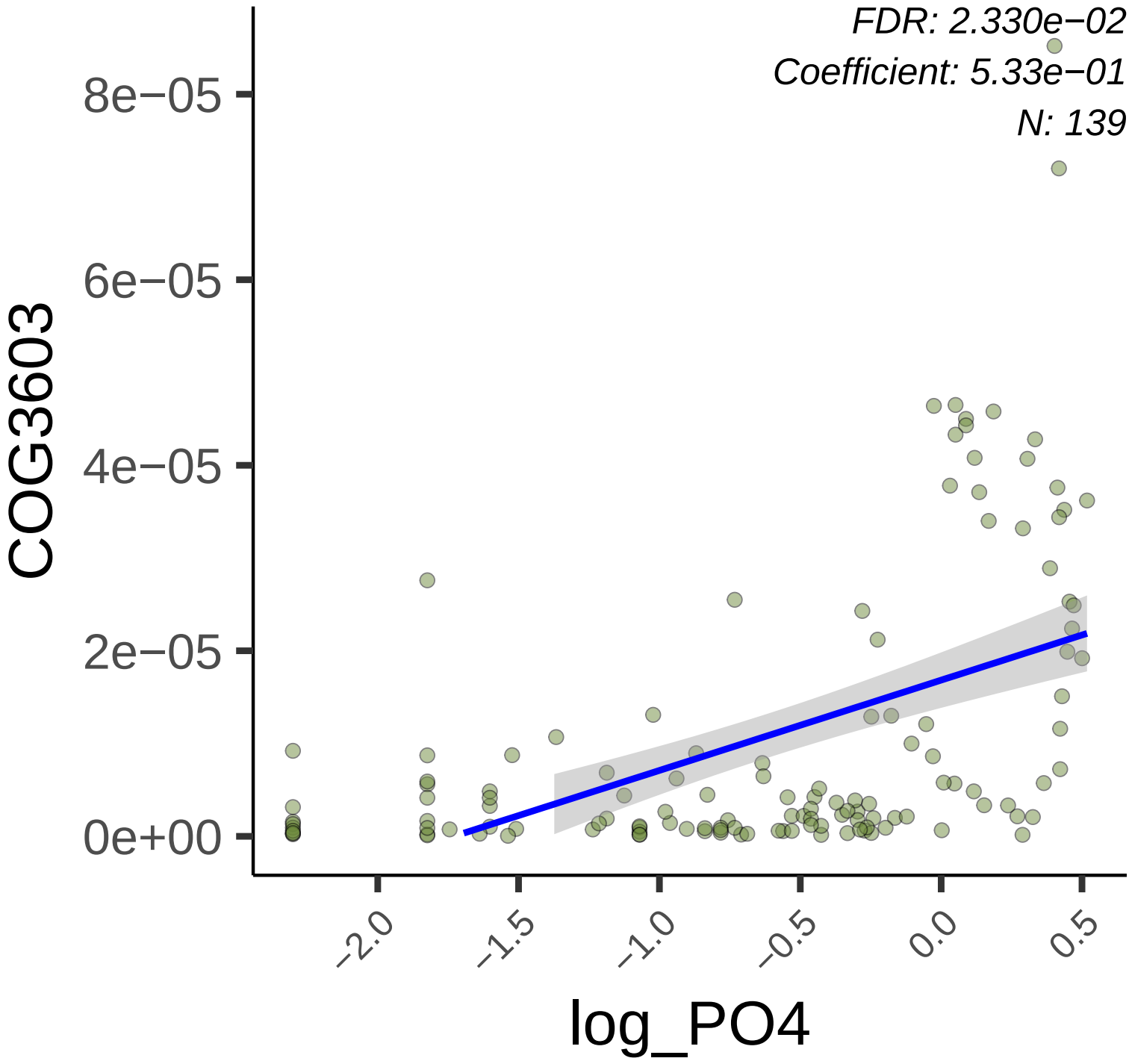
log_PO4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Coefficient: 5.33e−01
N: 139
COG3603
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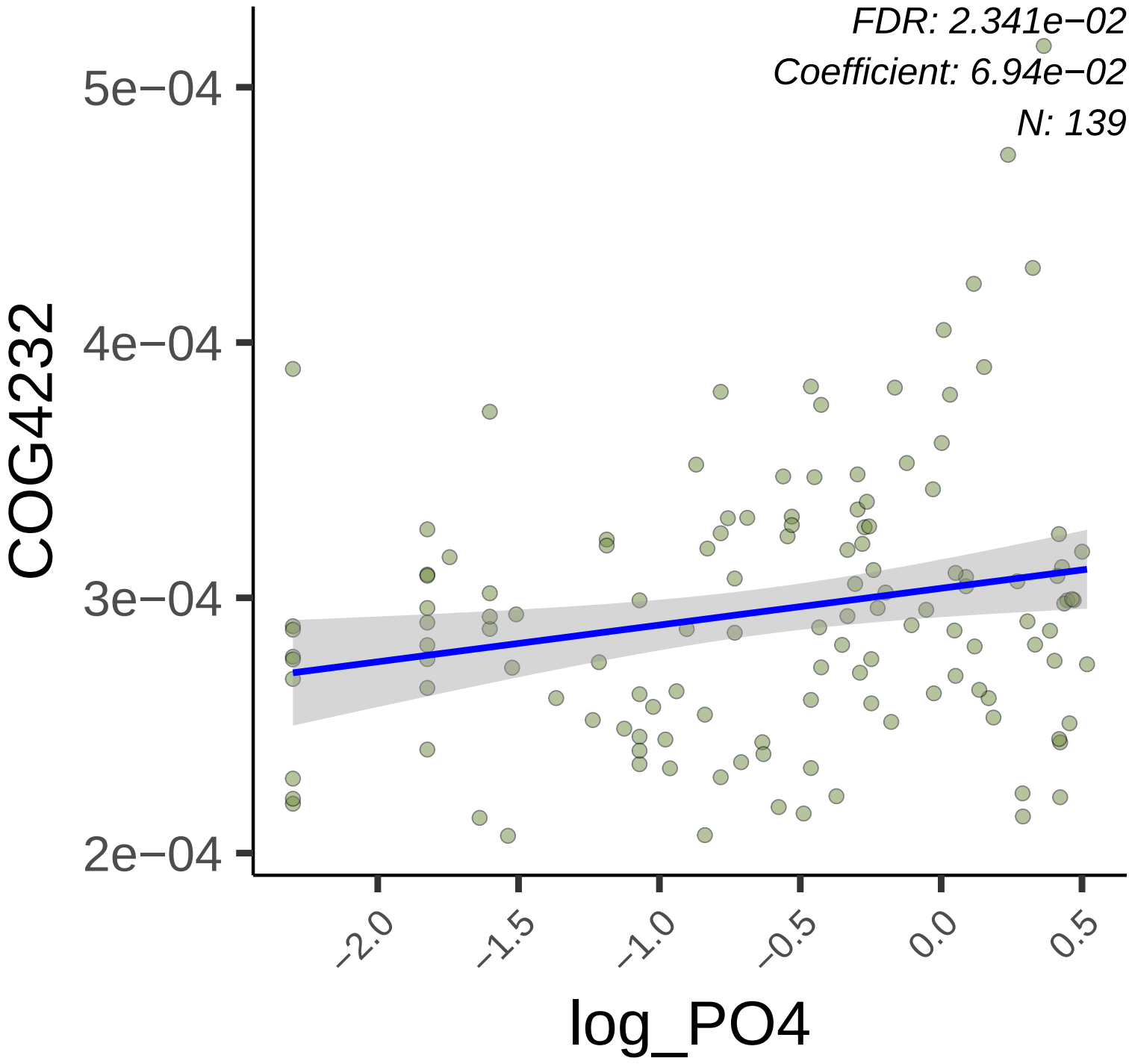
log_PO4


FDR: 2.341e−02
Coefficient: 6.94e−02
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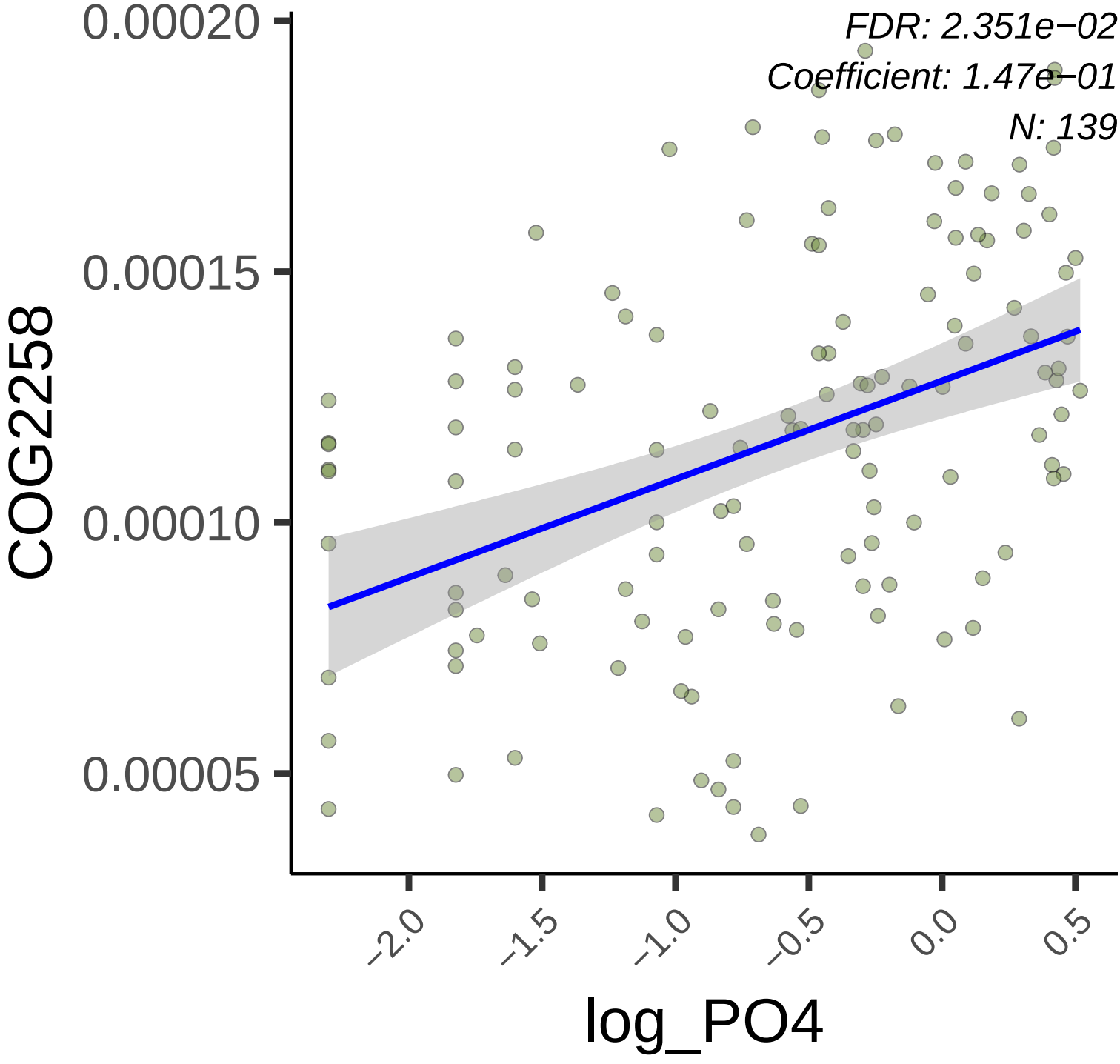
log_PO4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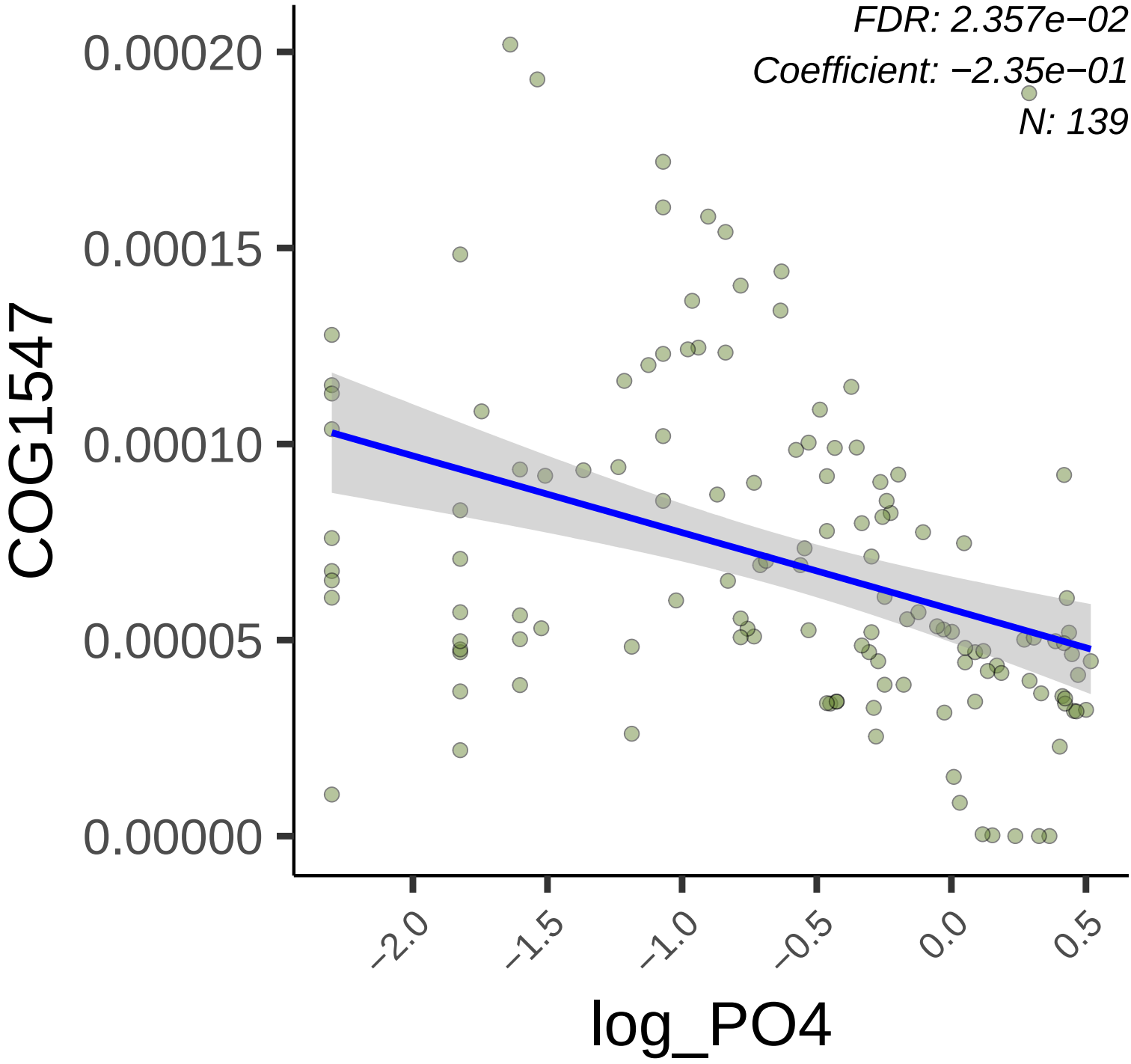
log_PO4


FDR: 2.357e−02
Coefficient: −2.35e−01
N: 139
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COG1547
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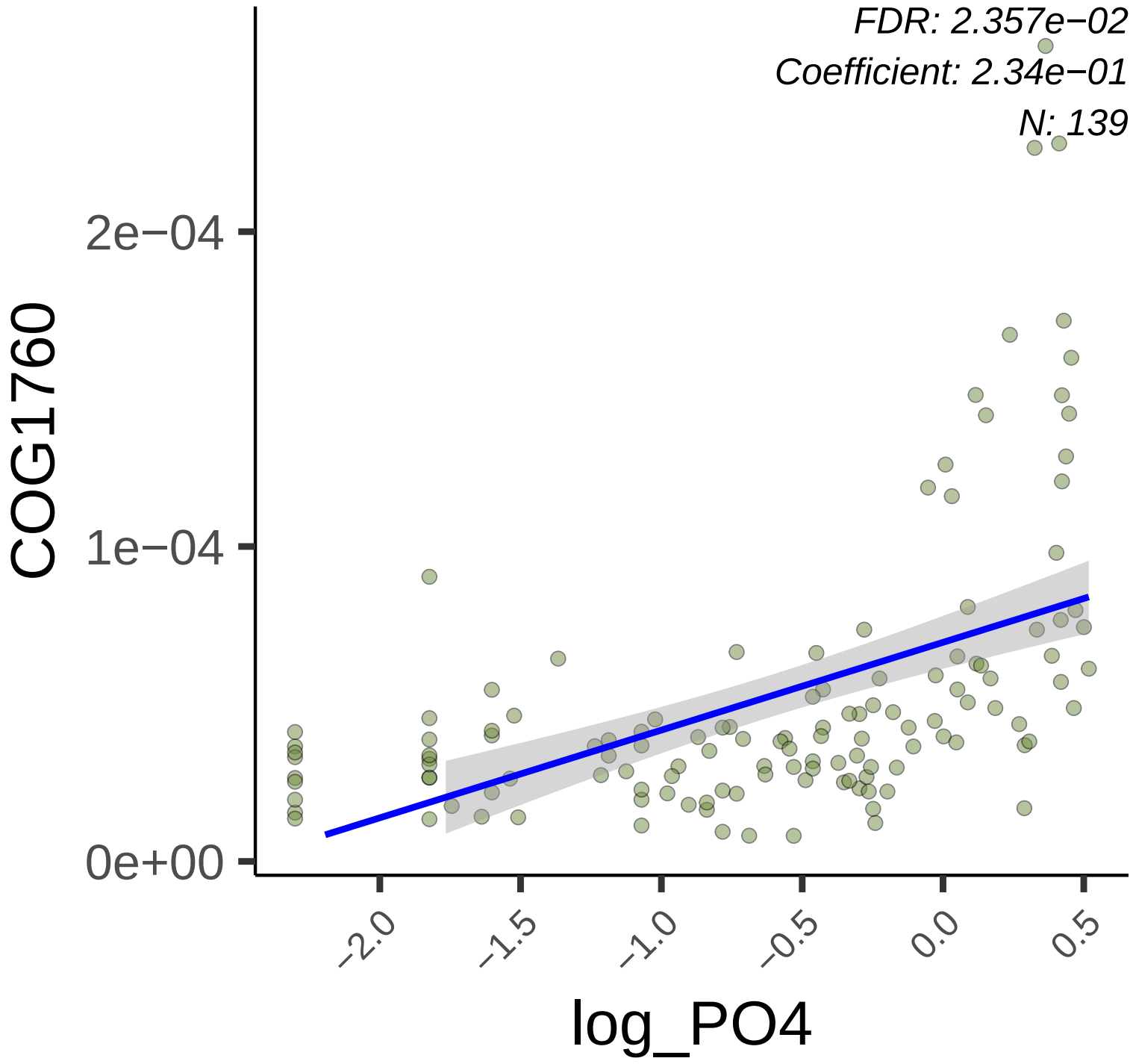
log_PO4


FDR: 2.357e−02
Coefficient: 2.34e−01
N: 139
COG1760
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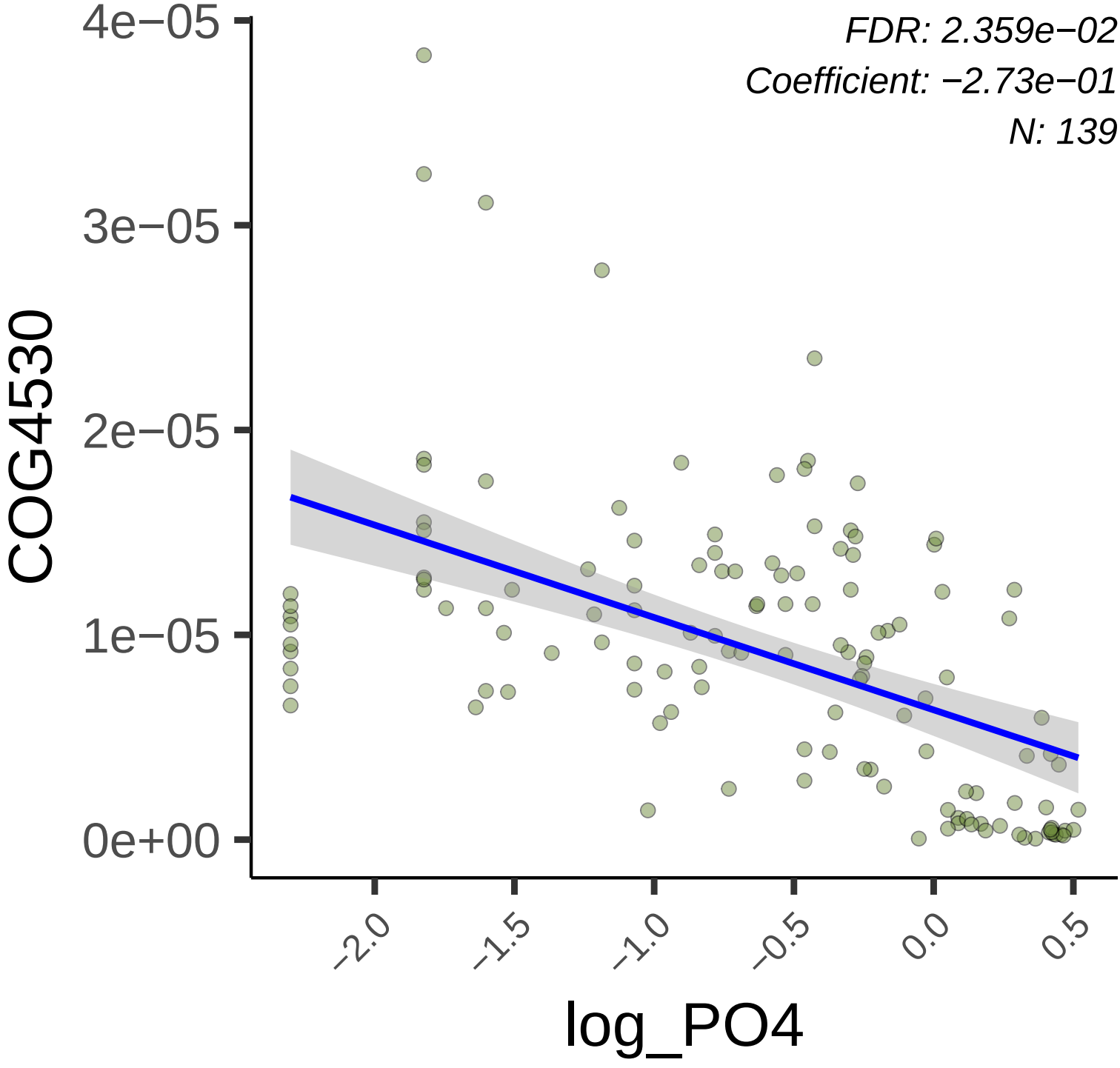
log_PO4


FDR: 2.359e−02
Coefficient: −2.73e−01
N: 139
COG4530
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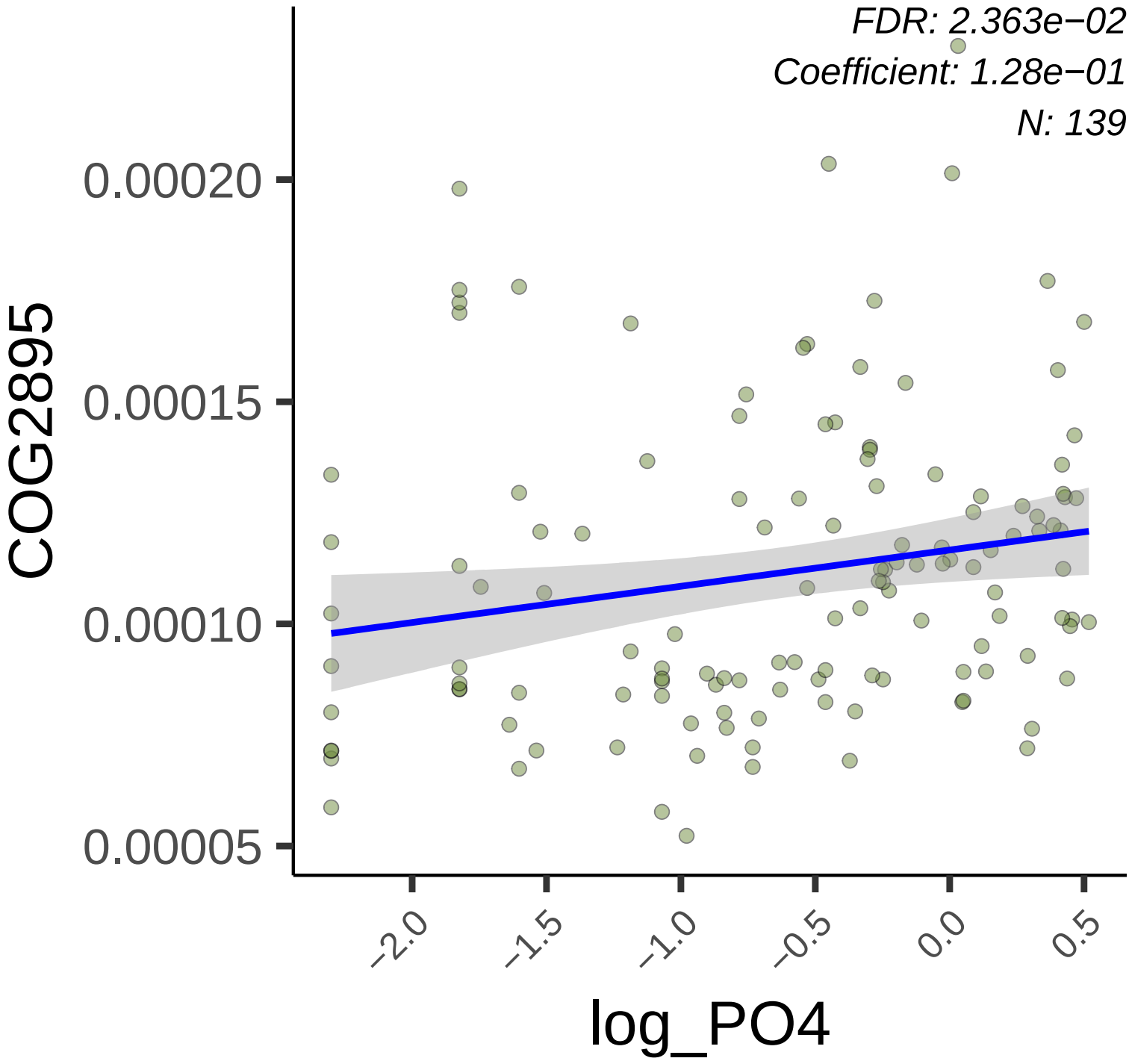
log_PO4


FDR: 2.363e−02
Coefficient: 1.28e−01
N: 139
COG2895
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−1.5
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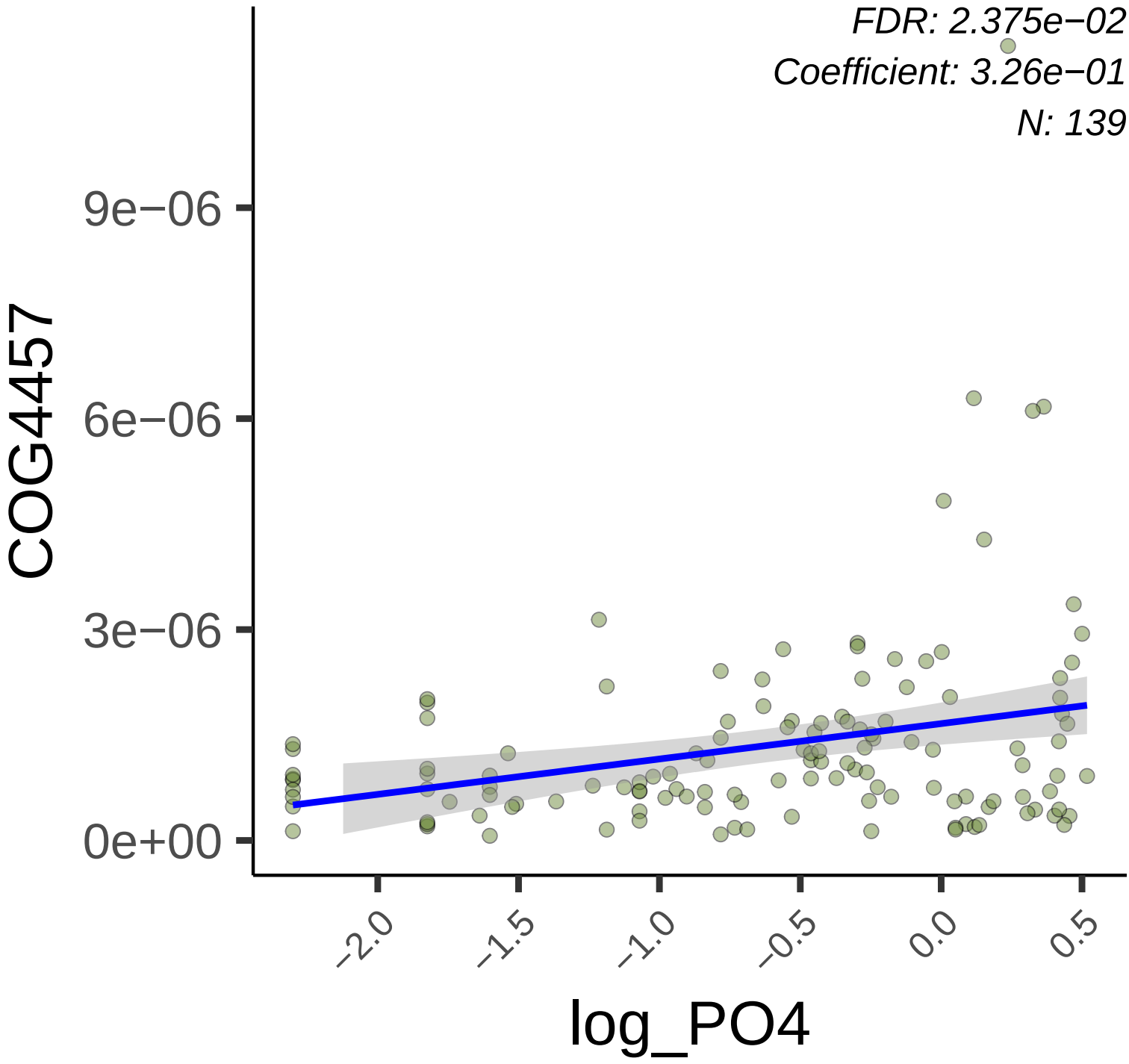
log_PO4


FDR: 2.375e−02
Coefficient: 3.26e−01
N: 139
COG4457
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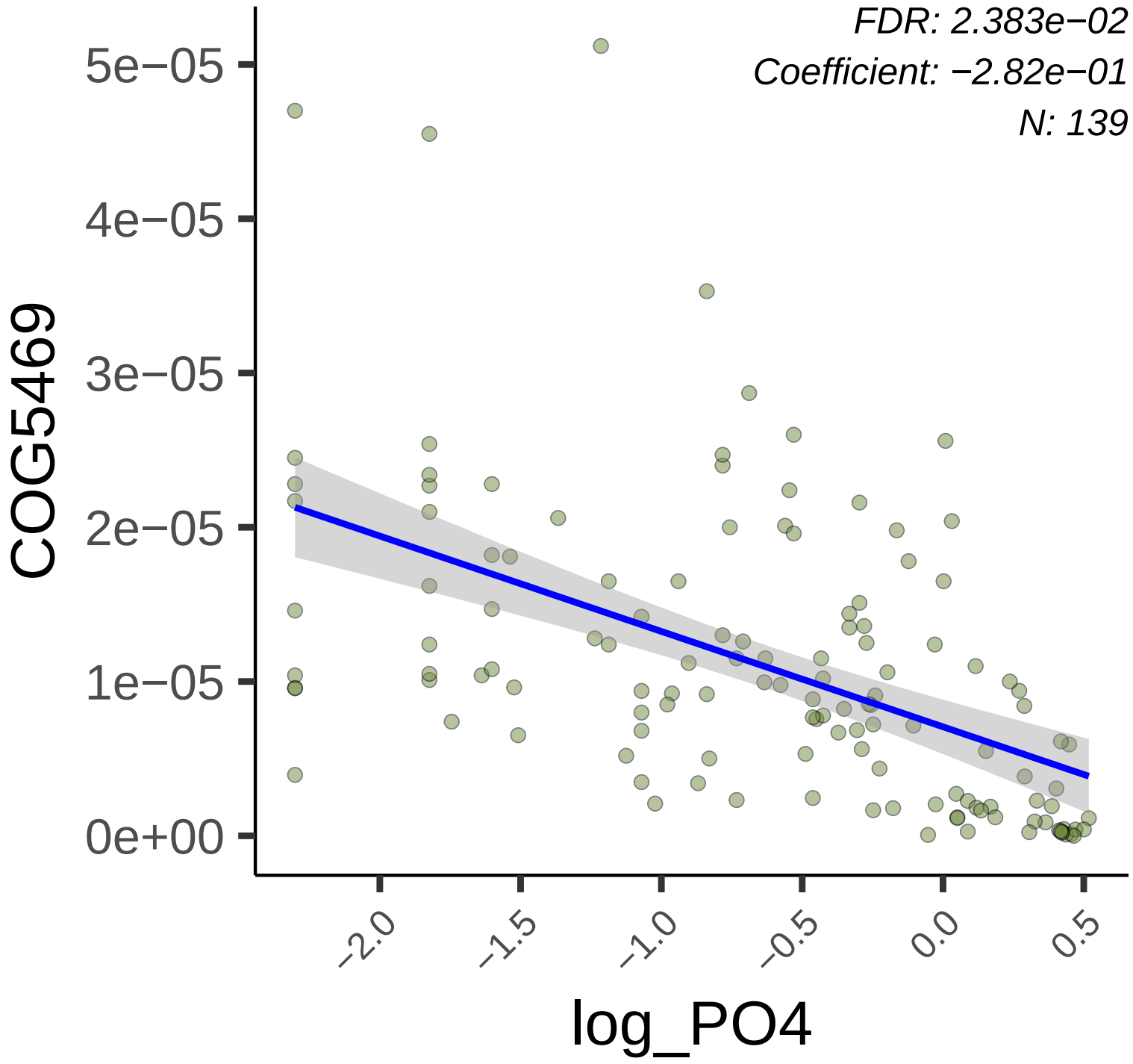
log_PO4


FDR: 2.383e−02
Coefficient: −2.82e−01
N: 139
COG5469
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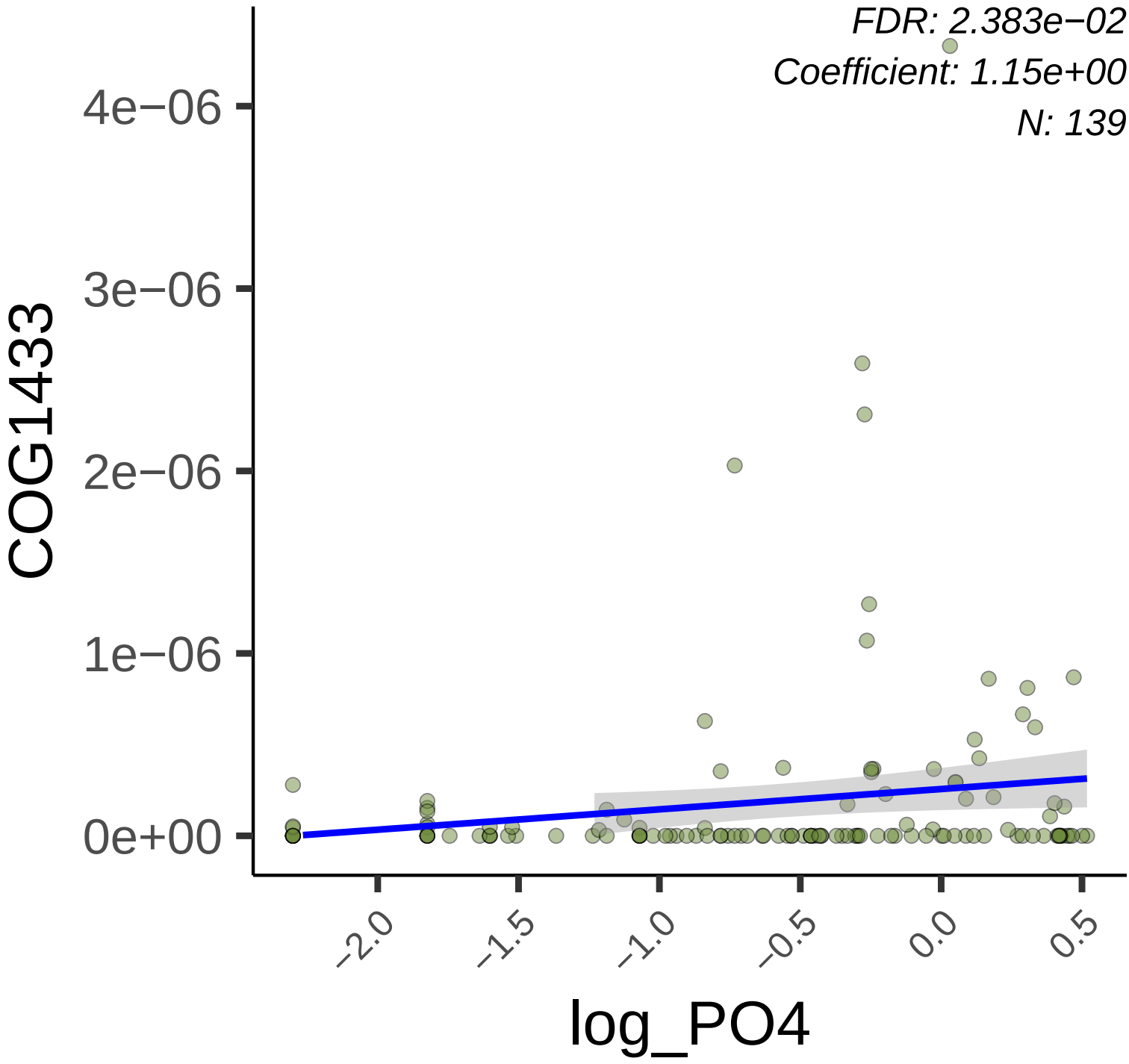
log_PO4


FDR: 2.383e−02
Coefficient: 1.15e+00
N: 139
COG1433
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2e−06
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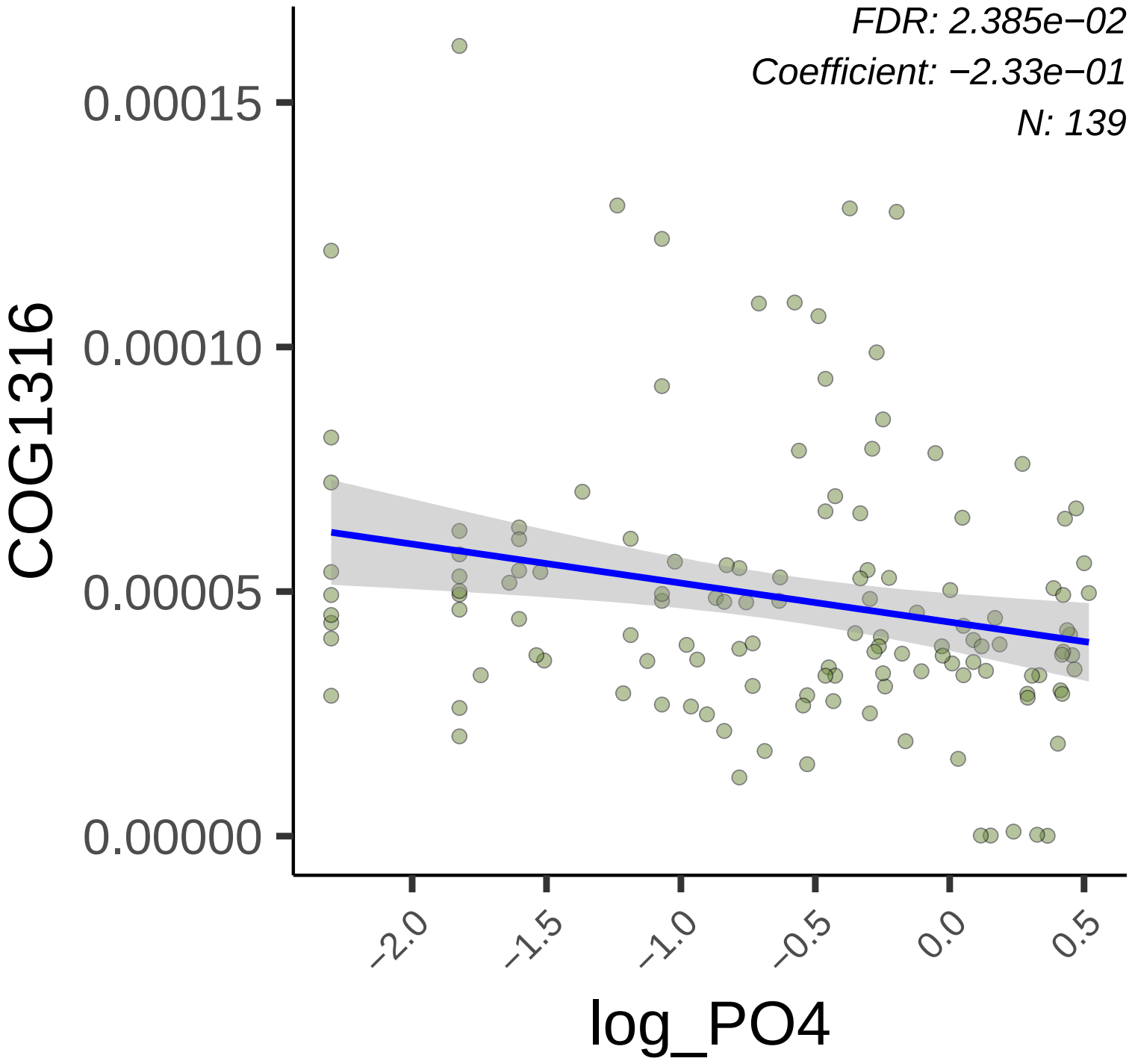
log_PO4


FDR: 2.385e−02
Coefficient: −2.33e−01
N: 139
COG1316
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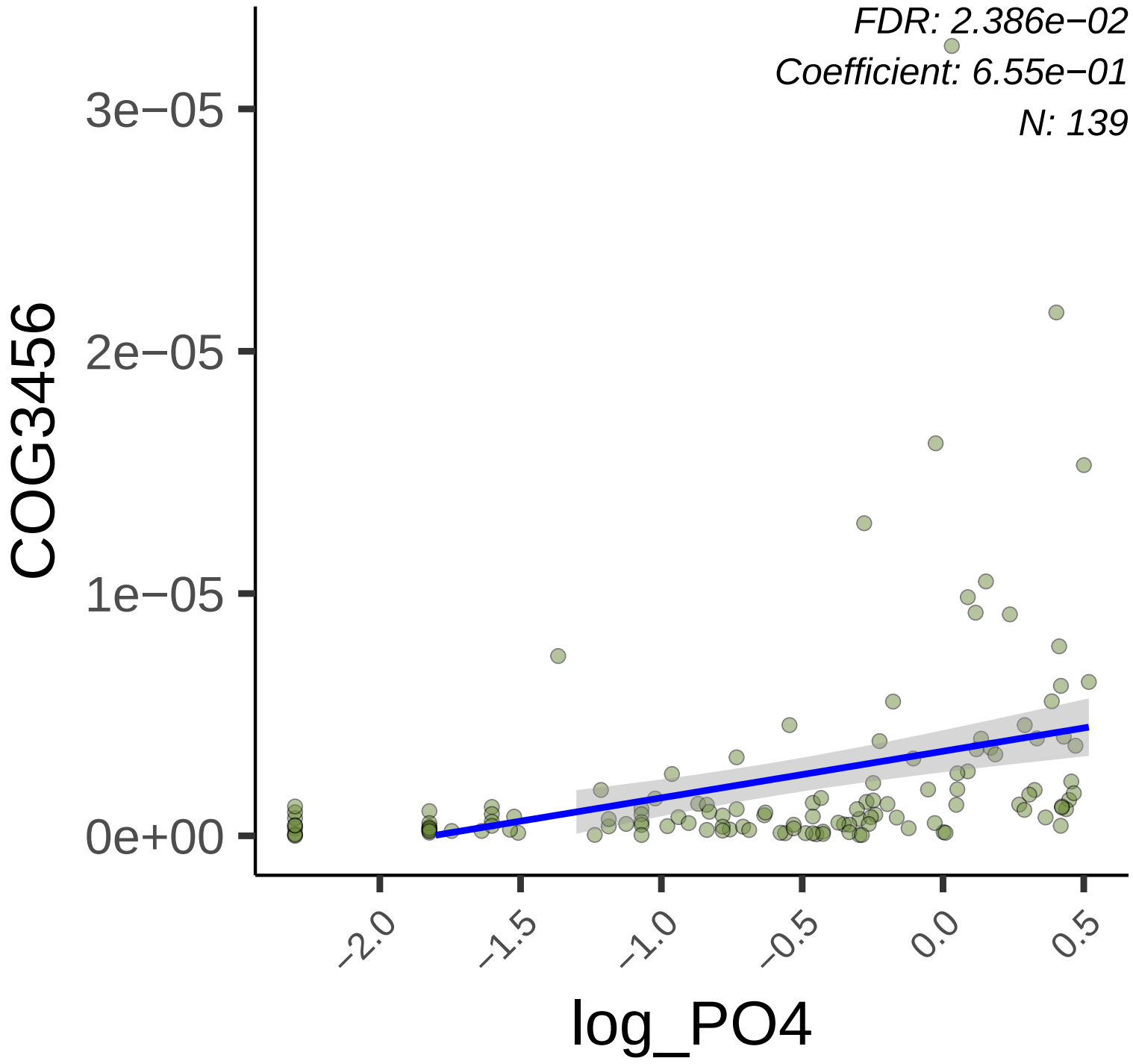
log_PO4


FDR: 2.386e−02
Coefficient: 6.55e−01
N: 139
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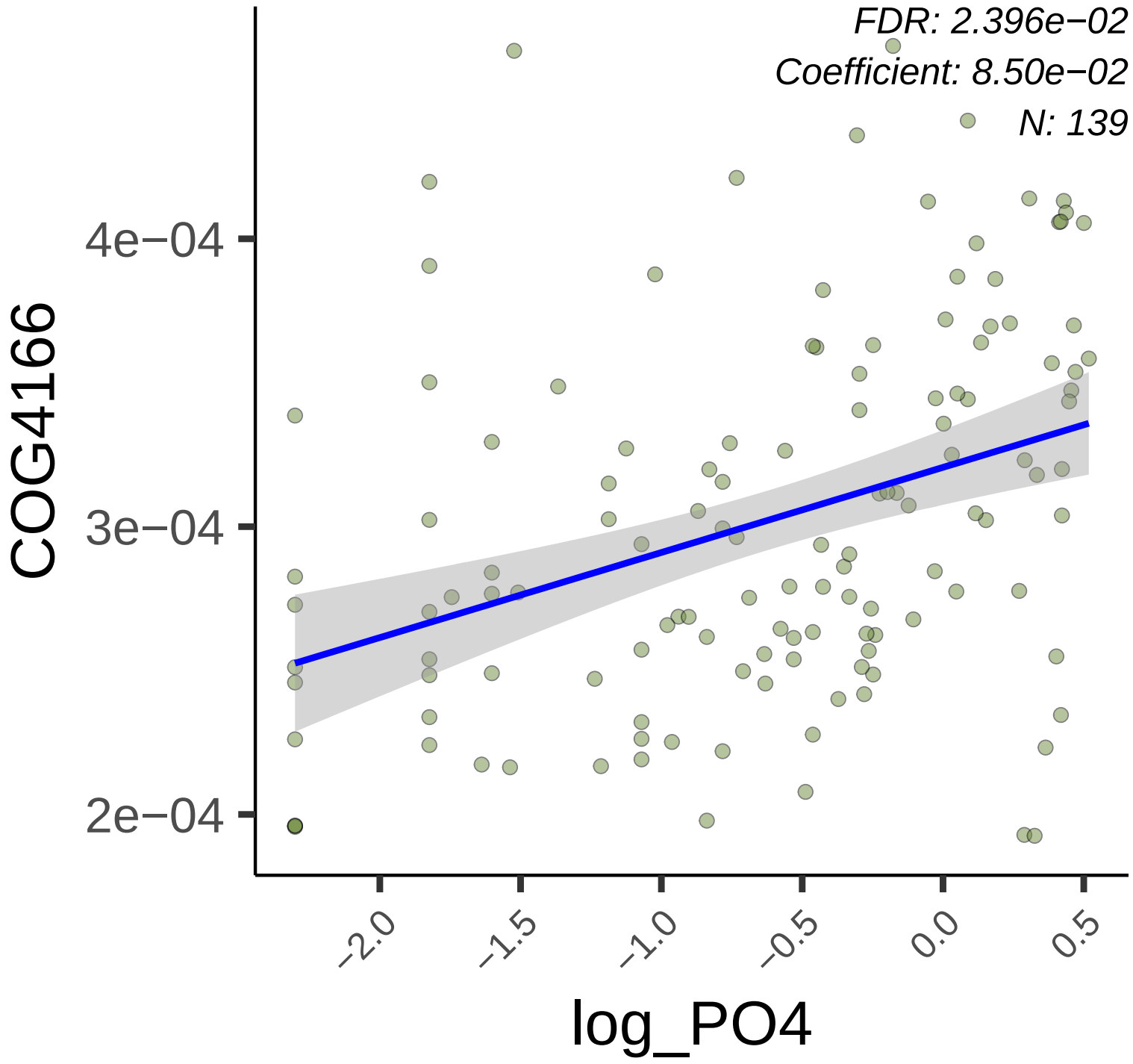
log_PO4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Coefficient: 8.50e−02
N: 139
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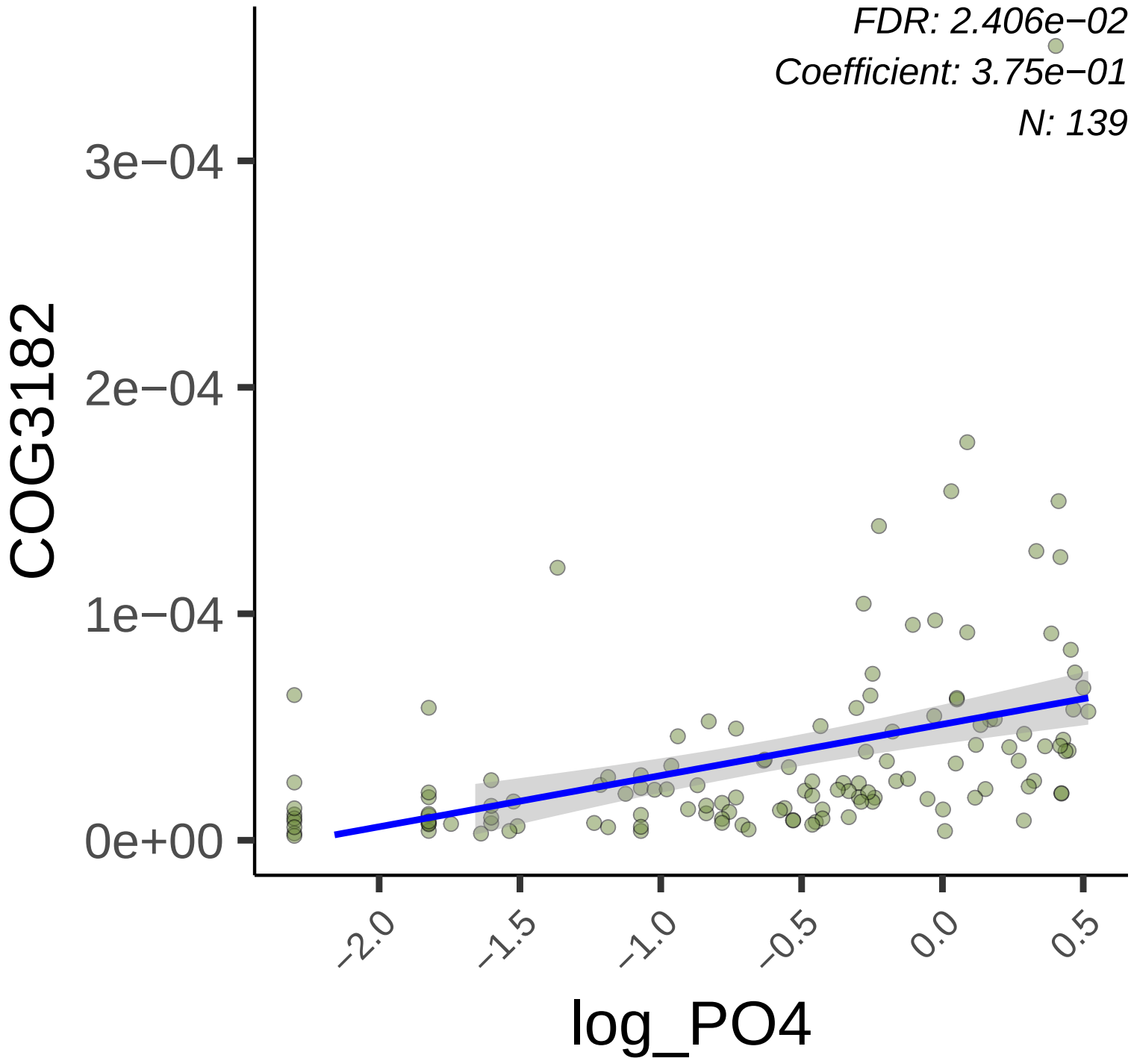
log_PO4


FDR: 2.406e−02
Coefficient: 3.75e−01
N: 139
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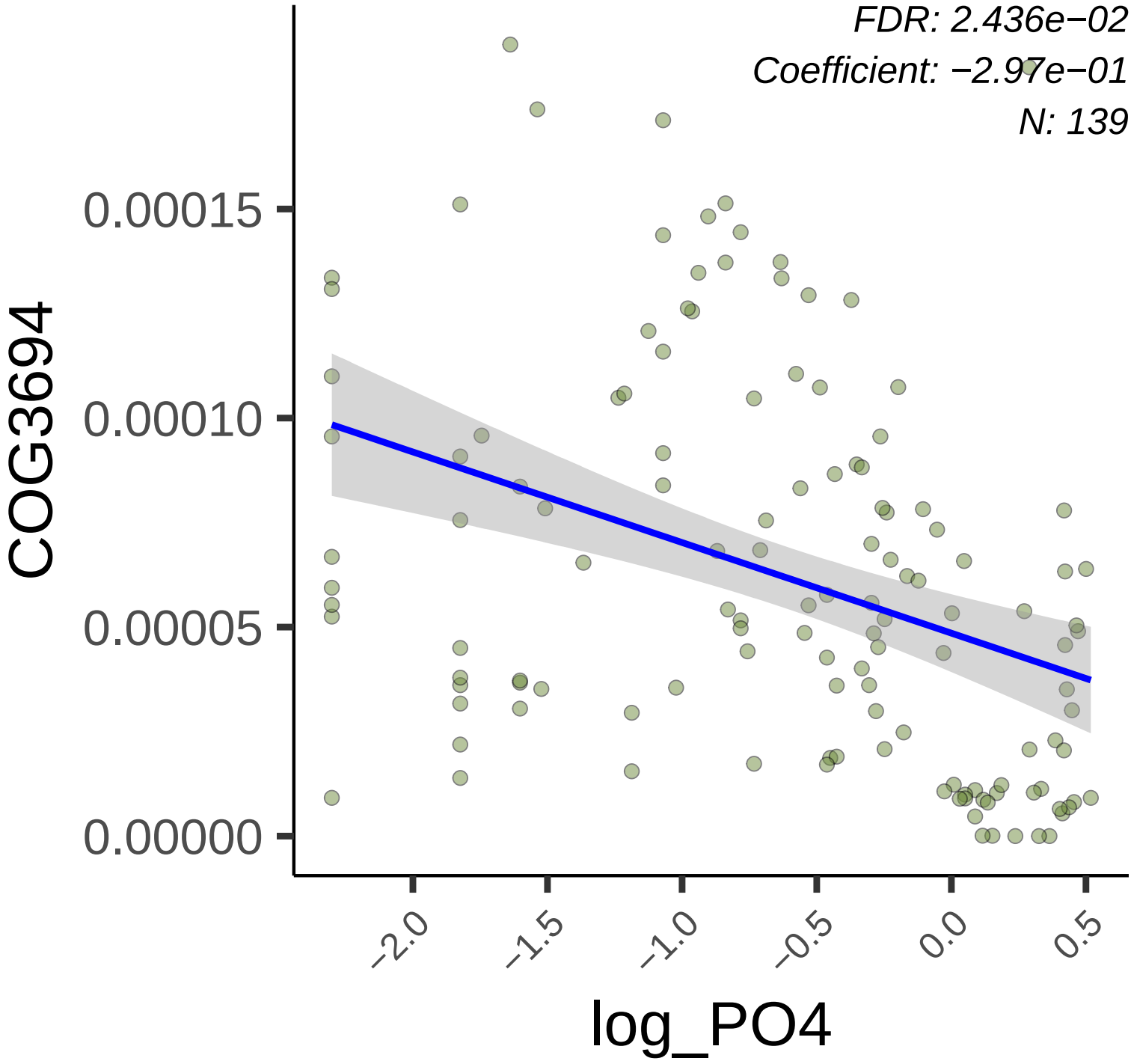
log_PO4


FDR: 2.436e−02
Coefficient: −2.97e−01
N: 139
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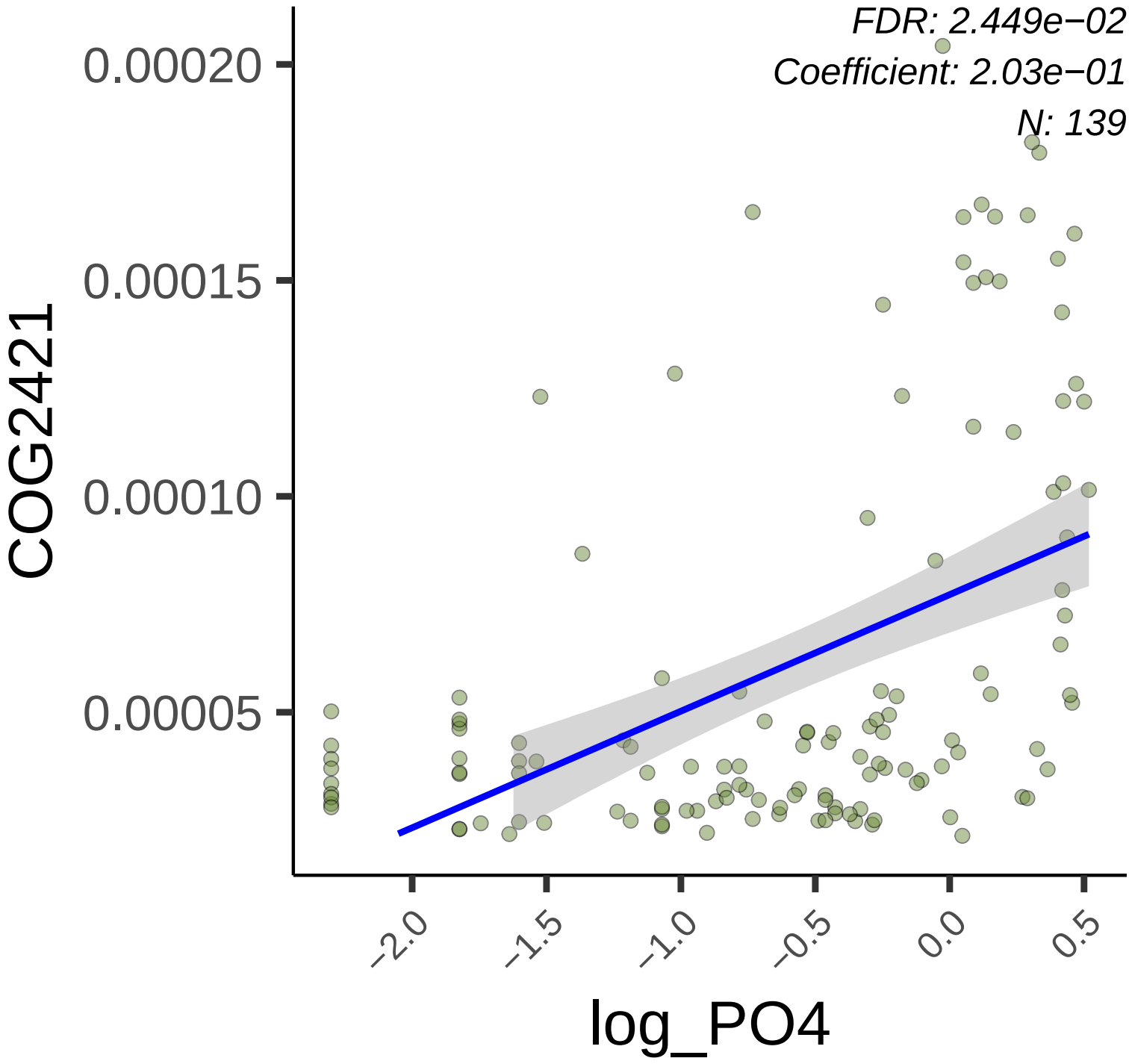
log_PO4


FDR: 2.449e−02
Coefficient: 2.03e−01
N: 139
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COG2421
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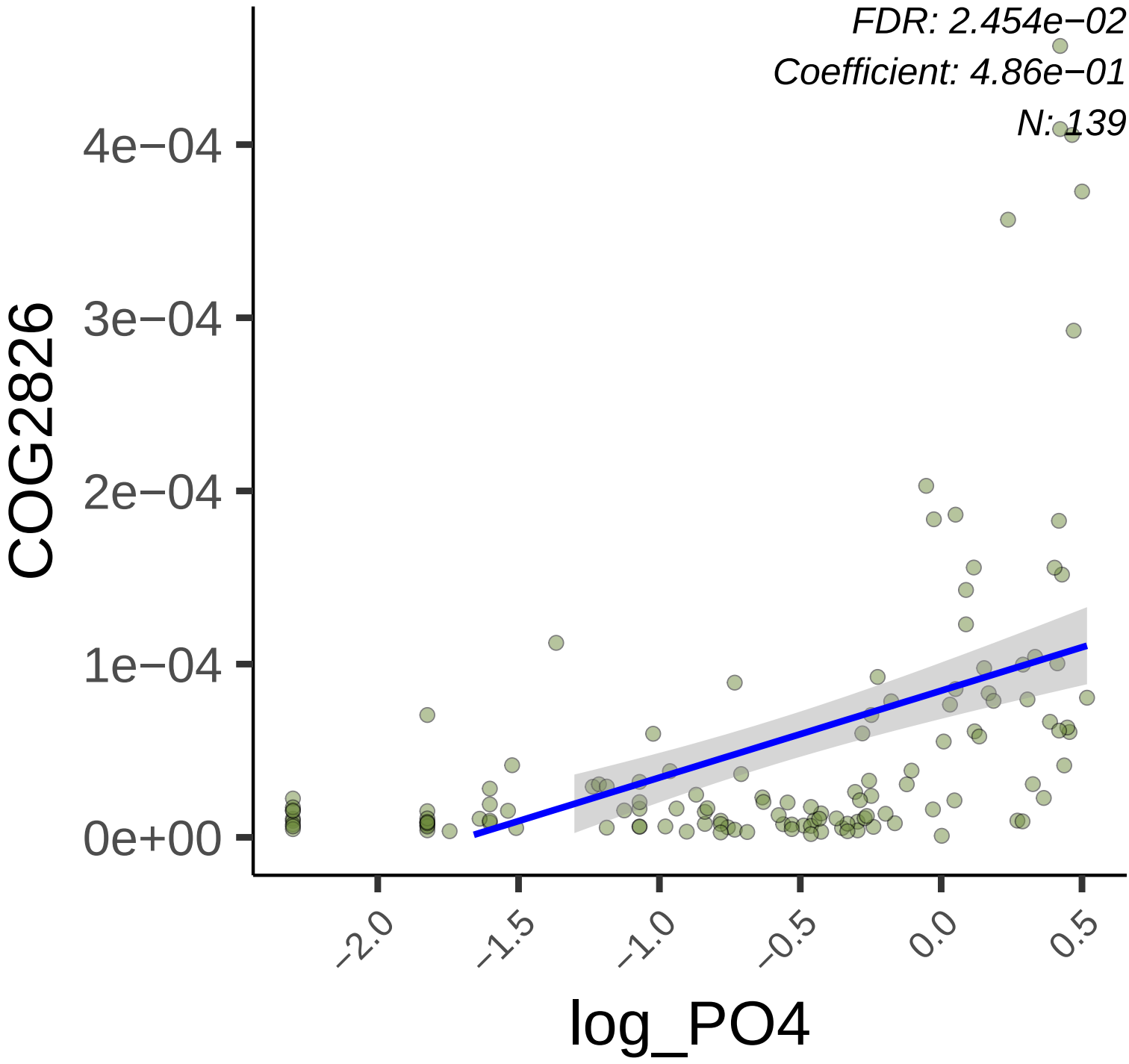
log_PO4


FDR: 2.454e−02
Coefficient: 4.86e−01
N: 139
COG2826
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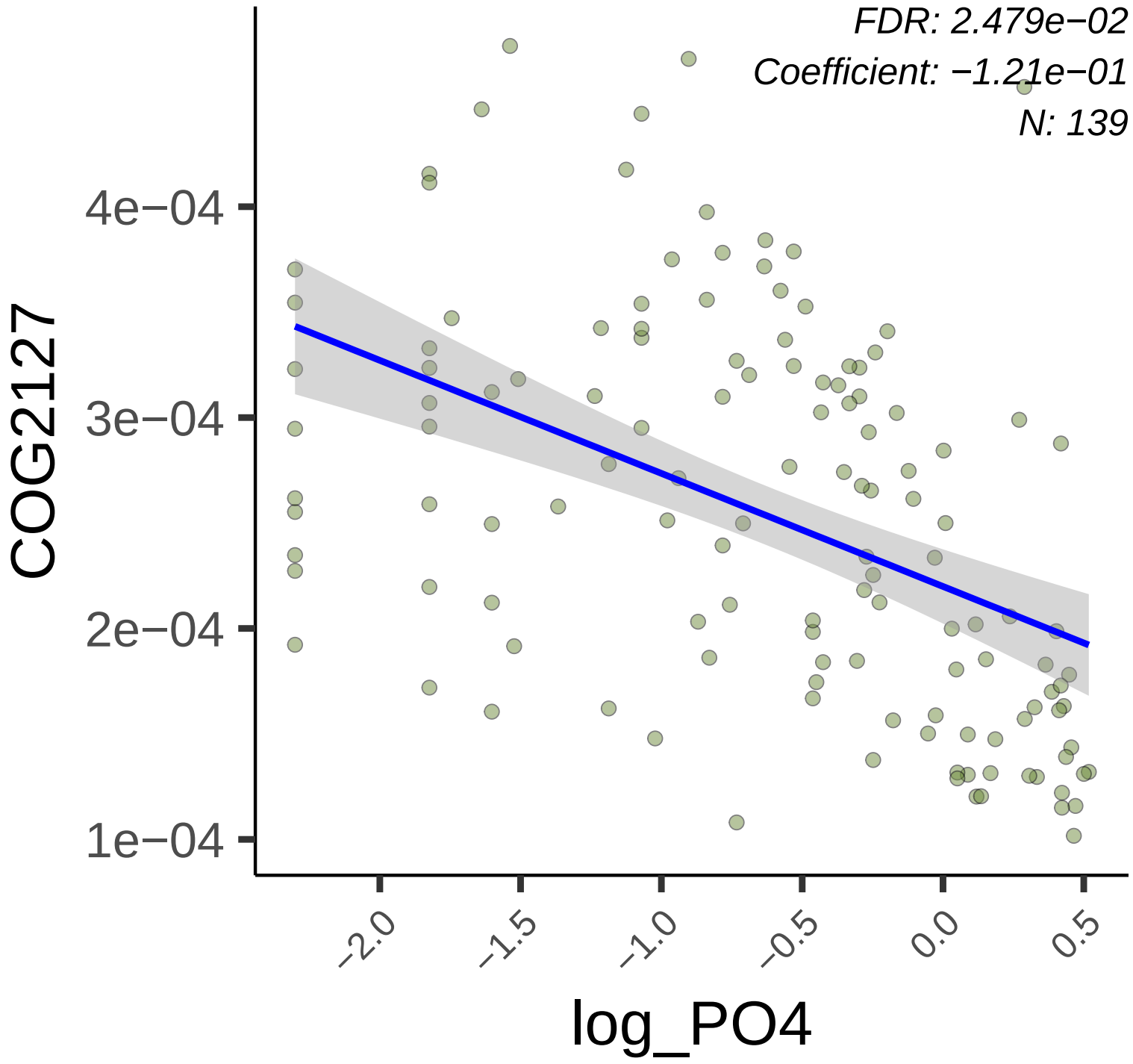
log_PO4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Coefficient: −1.21e−01
N: 139
COG2127
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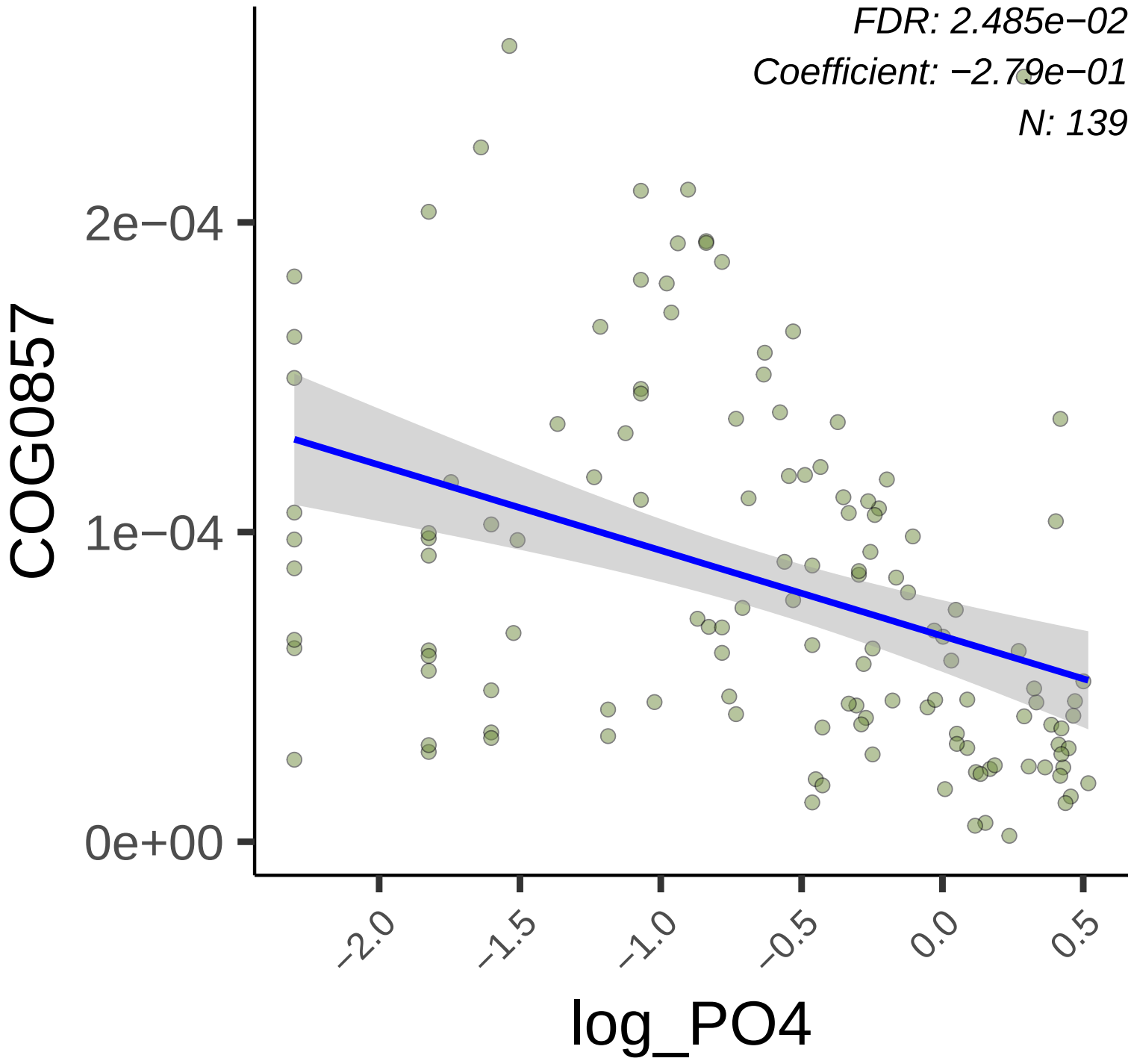
log_PO4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Coefficient: −2.79e−01
N: 139
COG0857
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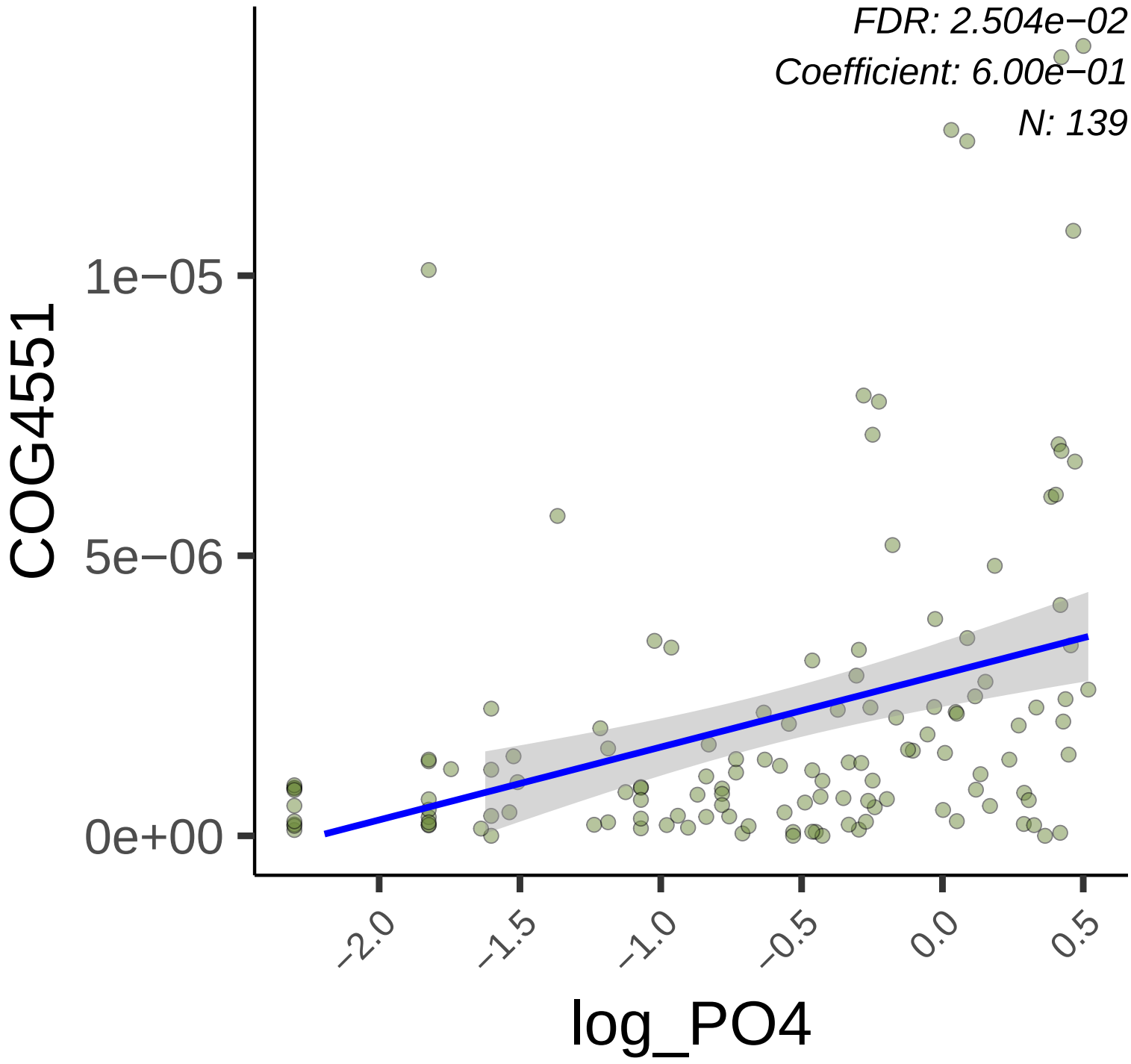
log_PO4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Coefficient: 6.00e−01
N: 139
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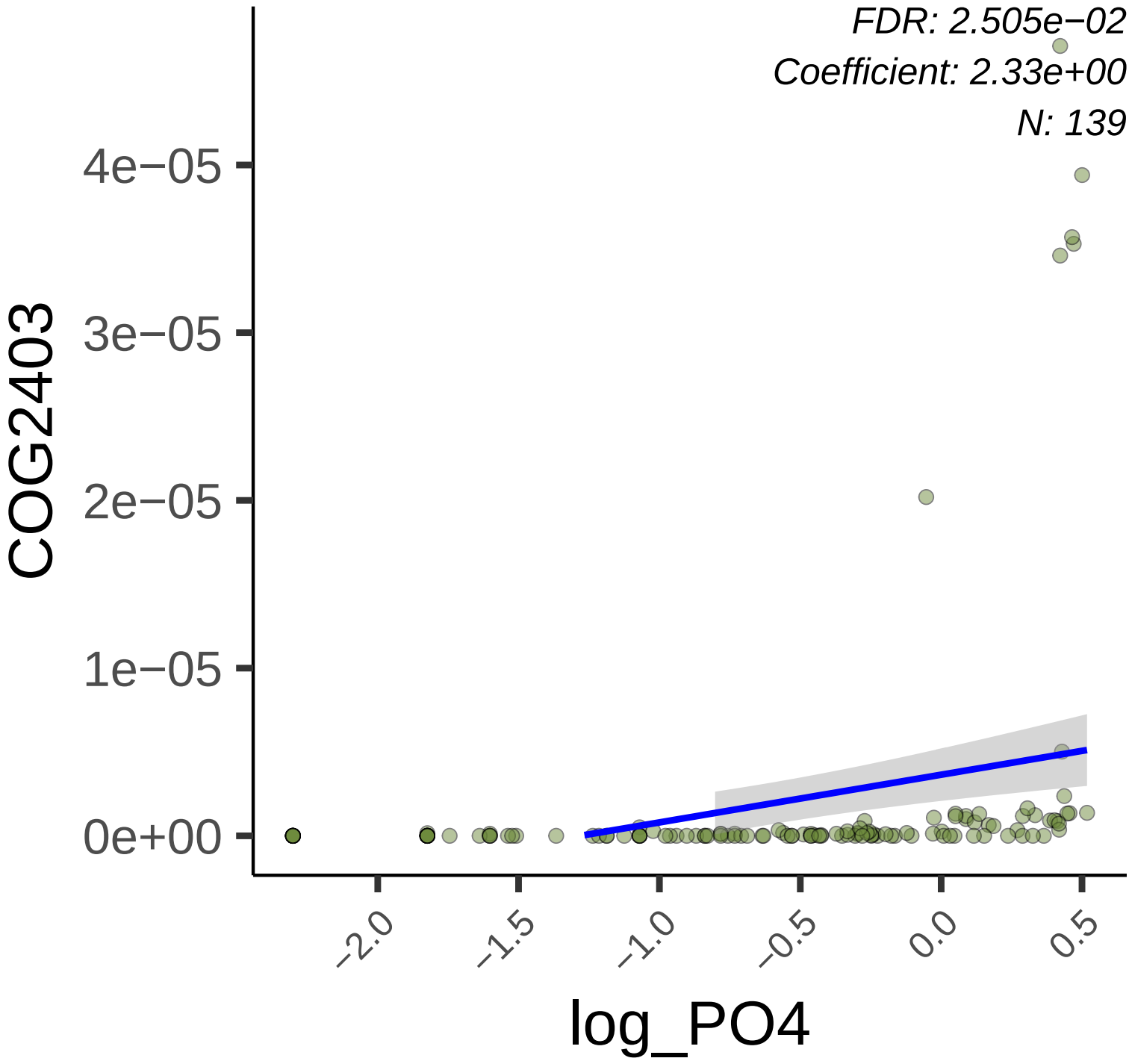
log_PO4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Coefficient: 2.33e+00
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COG2403
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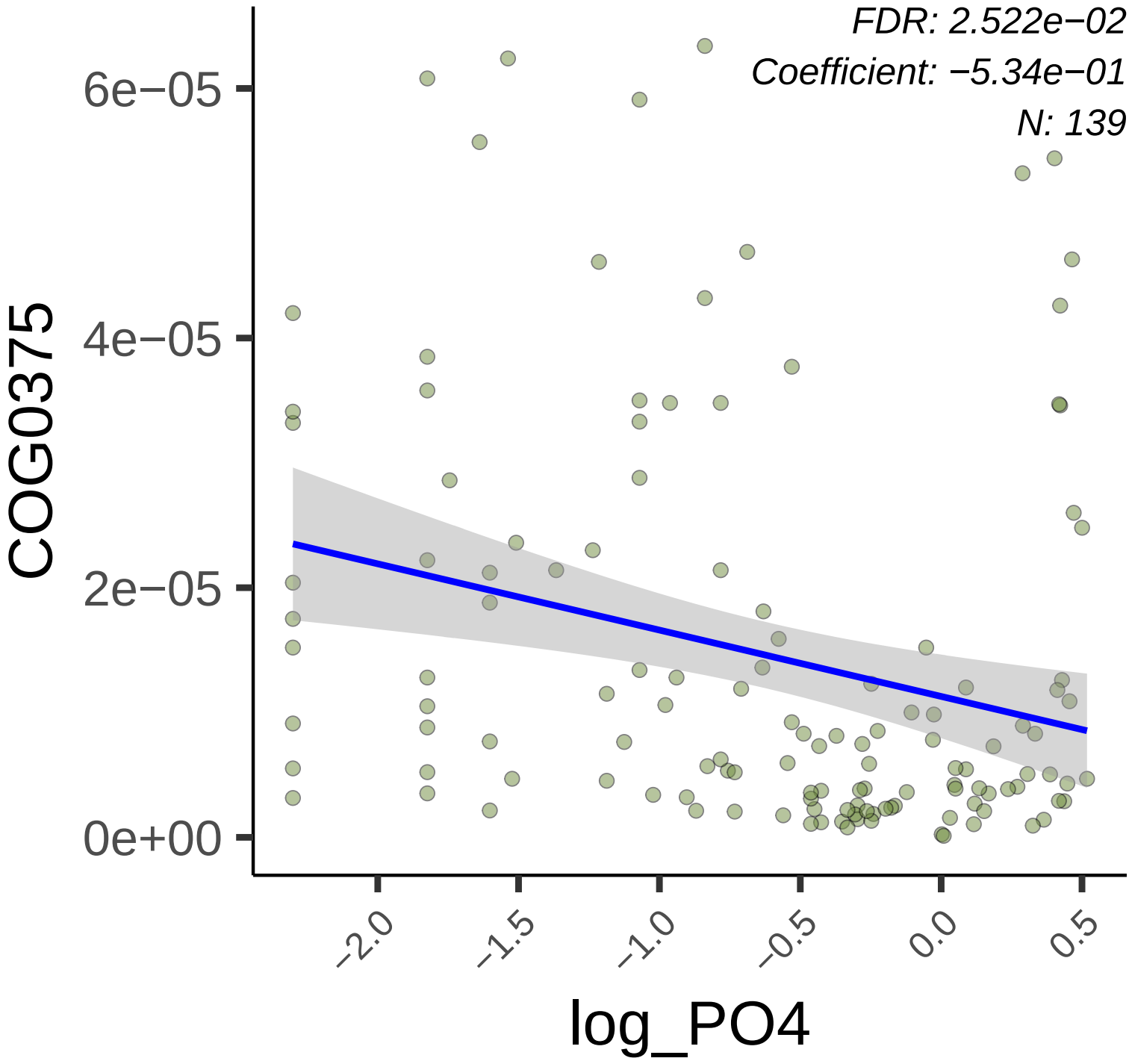
log_PO4


FDR: 2.522e−02
Coefficient: −5.34e−01
N: 139
COG0375
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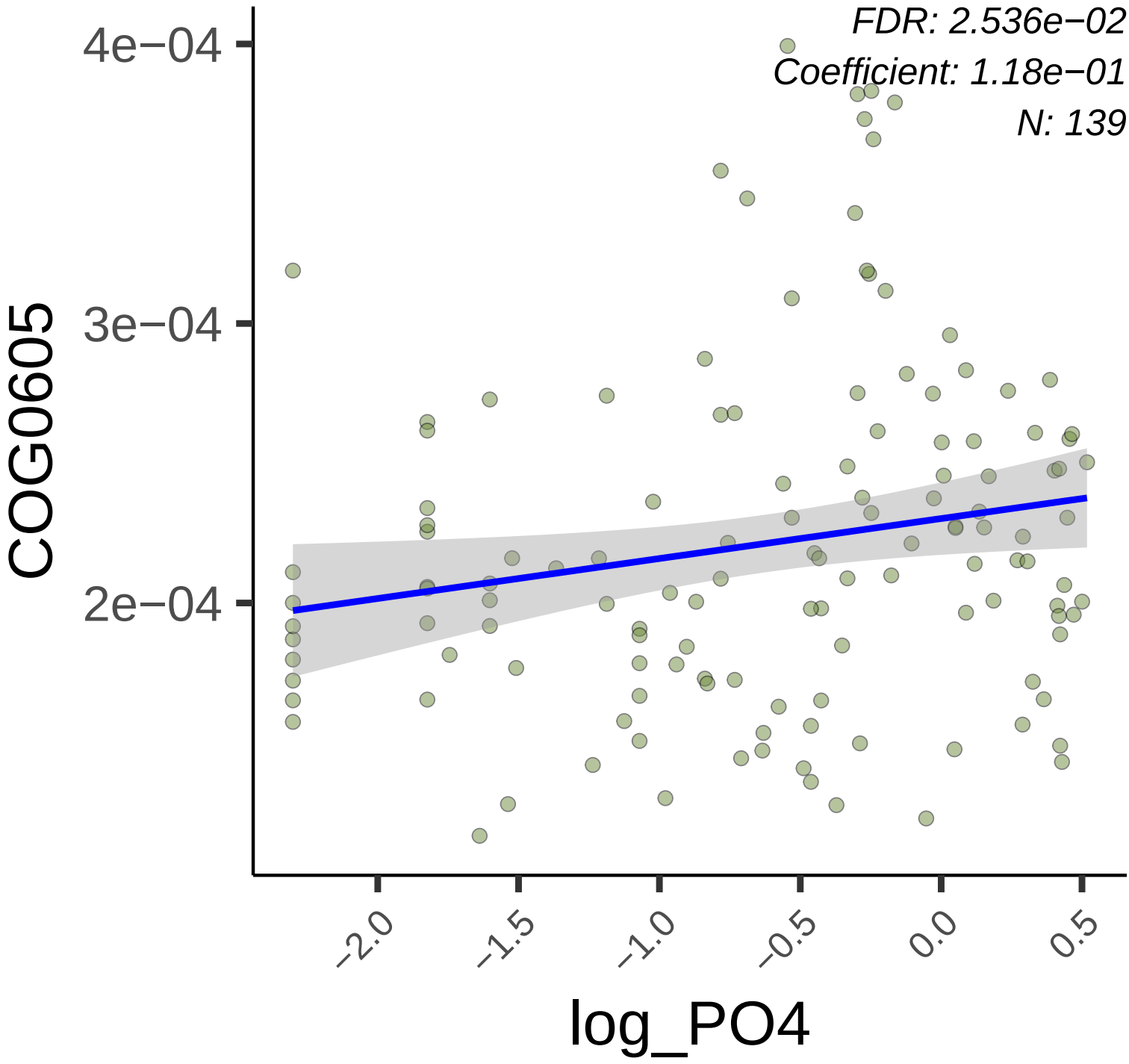
log_PO4


FDR: 2.536e−02
Coefficient: 1.18e−01
N: 139
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COG0605
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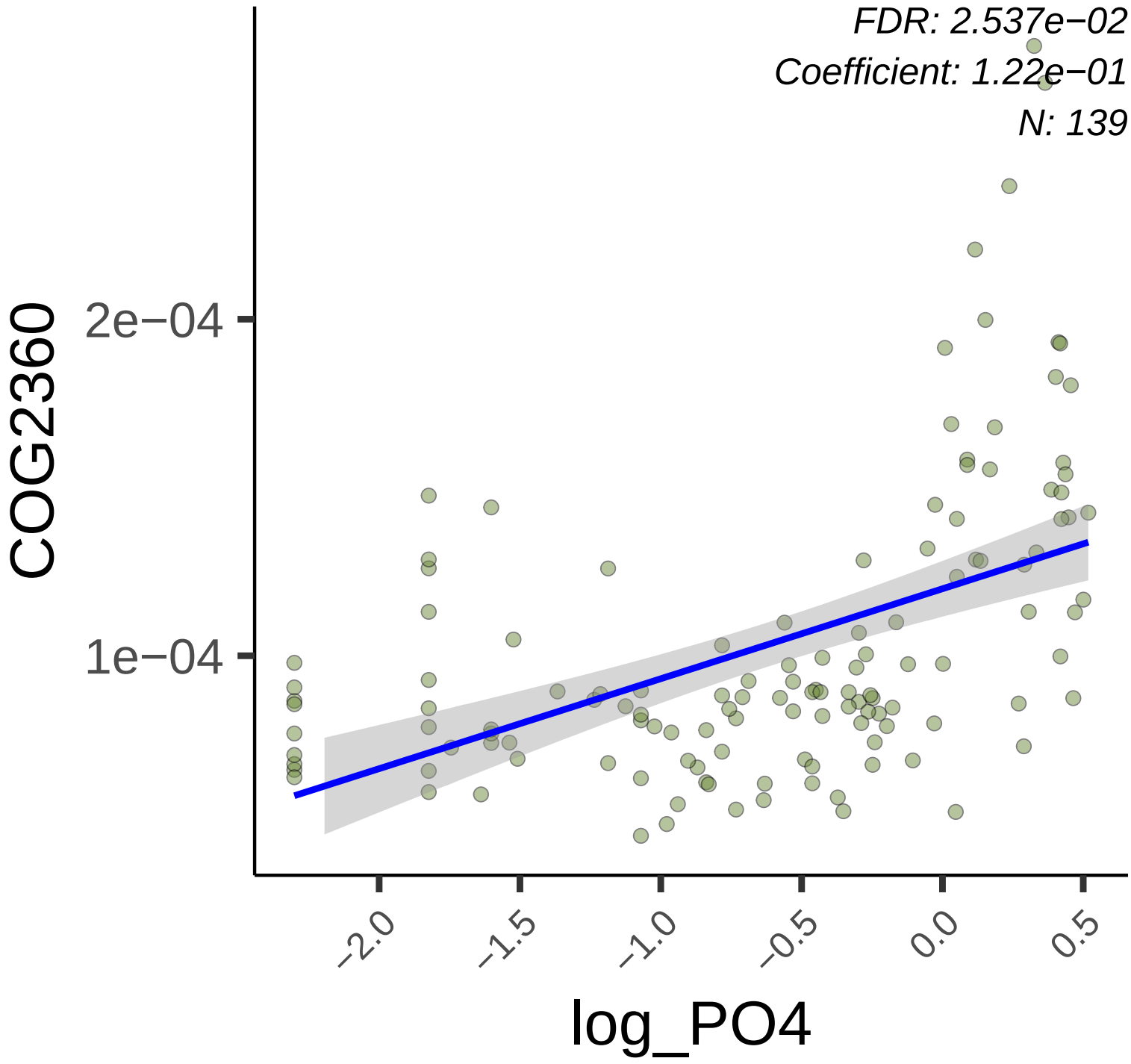
log_PO4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Coefficient: 1.22e−01
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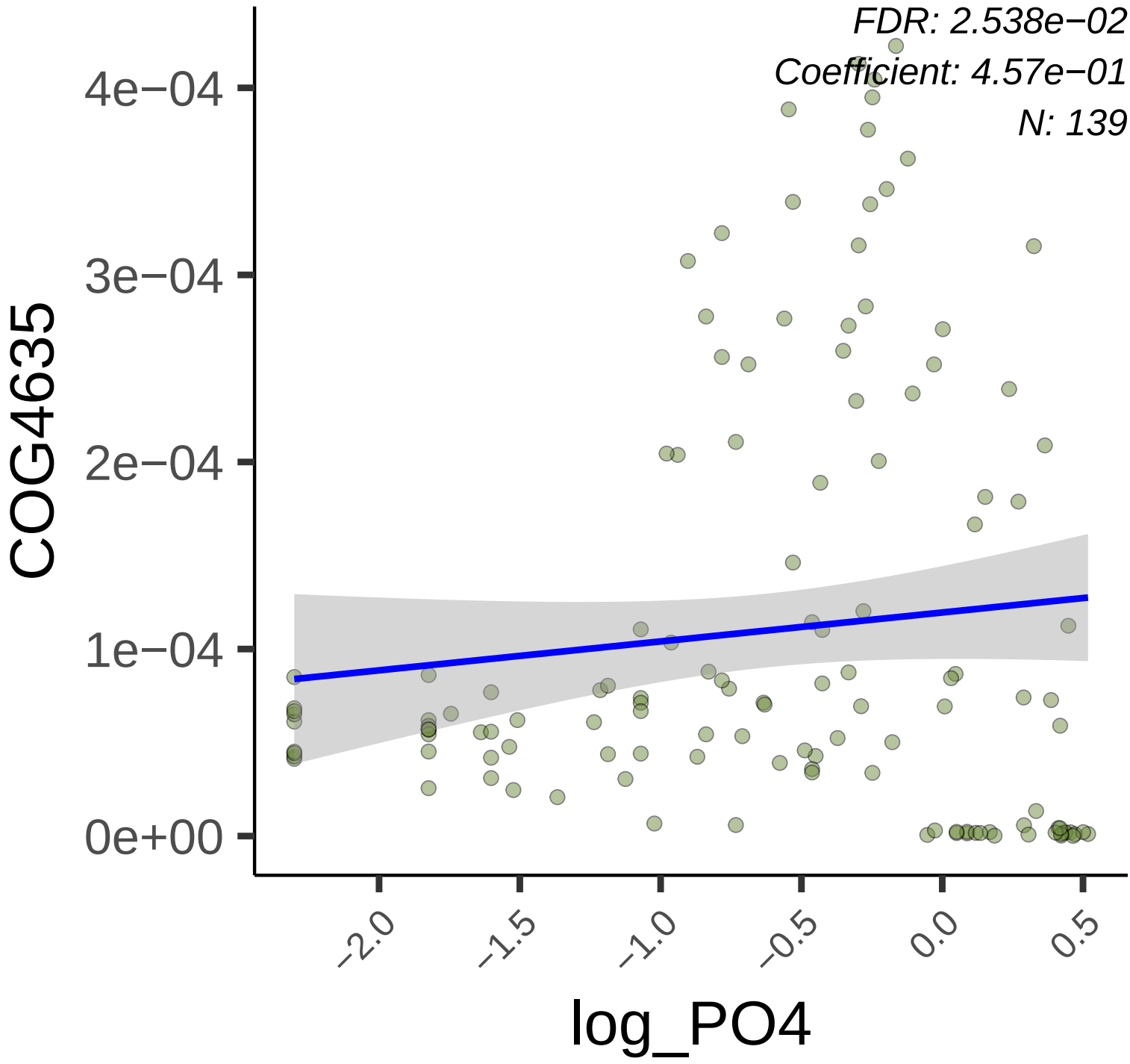
log_PO4


FDR: 2.538e−02
Coefficient: 4.57e−01
N: 139
COG4635
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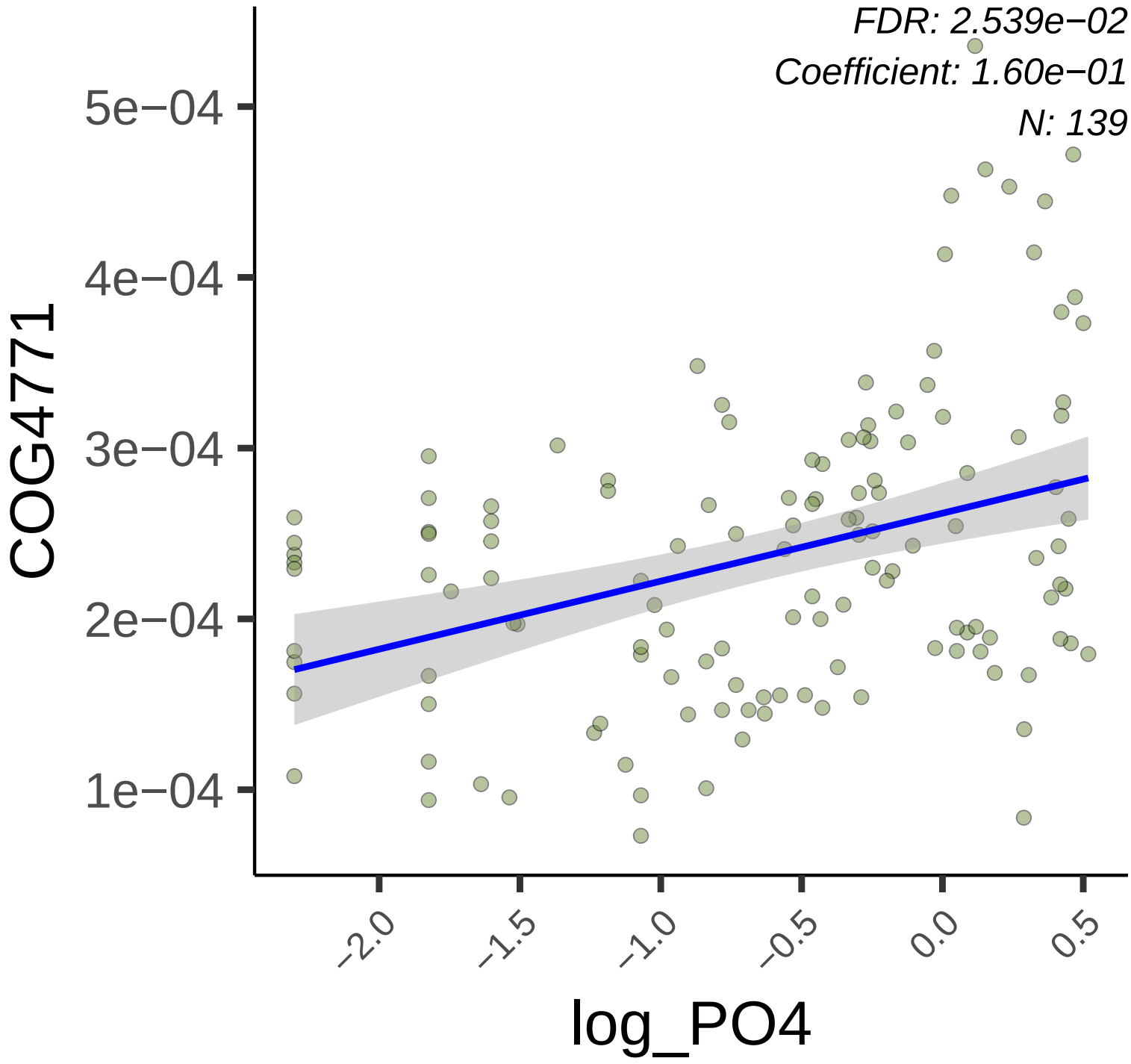
log_PO4


FDR: 2.539e−02
Coefficient: 1.60e−01
N: 139
COG4771
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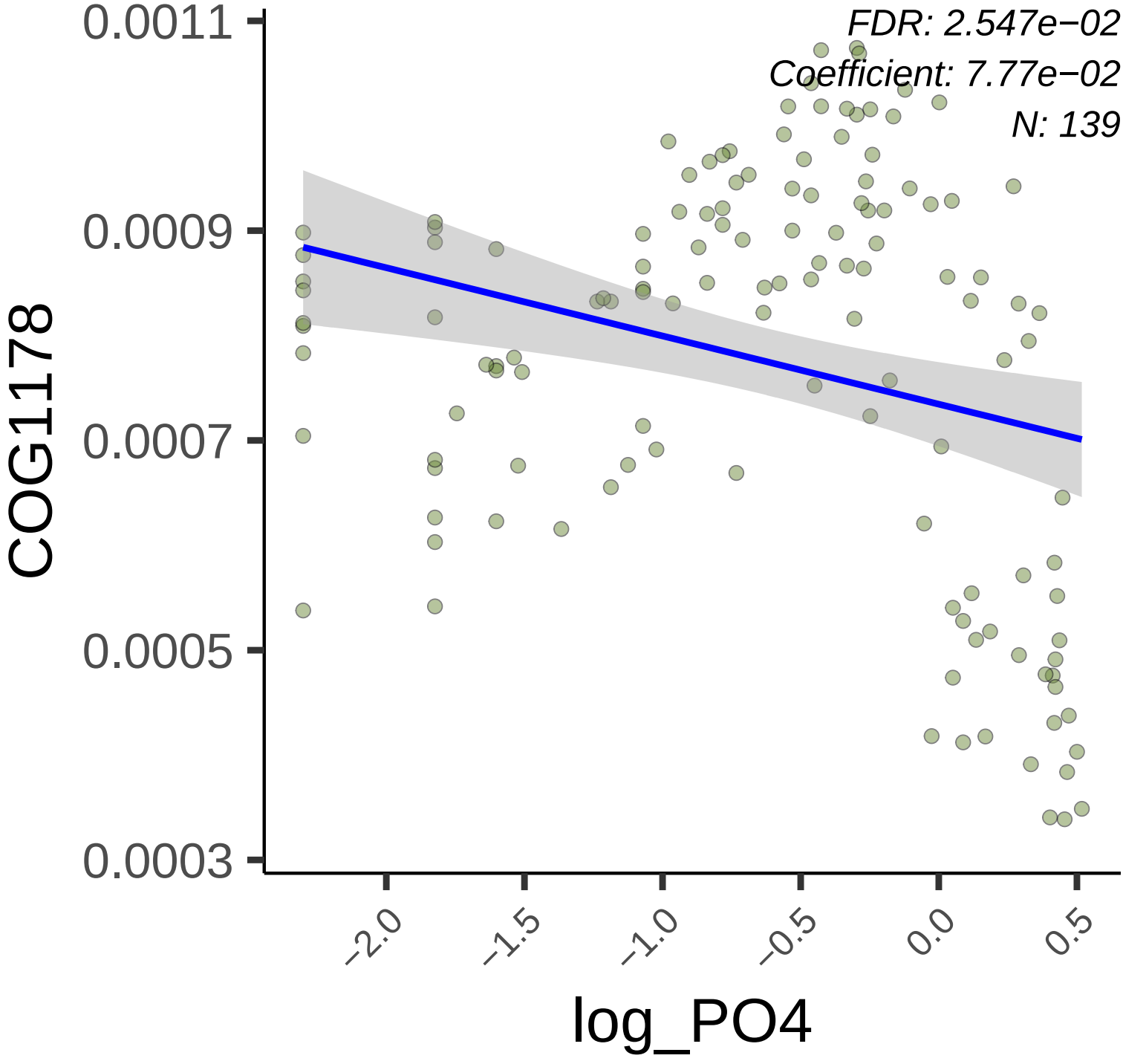
log_PO4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Coefficient: 7.77e−02
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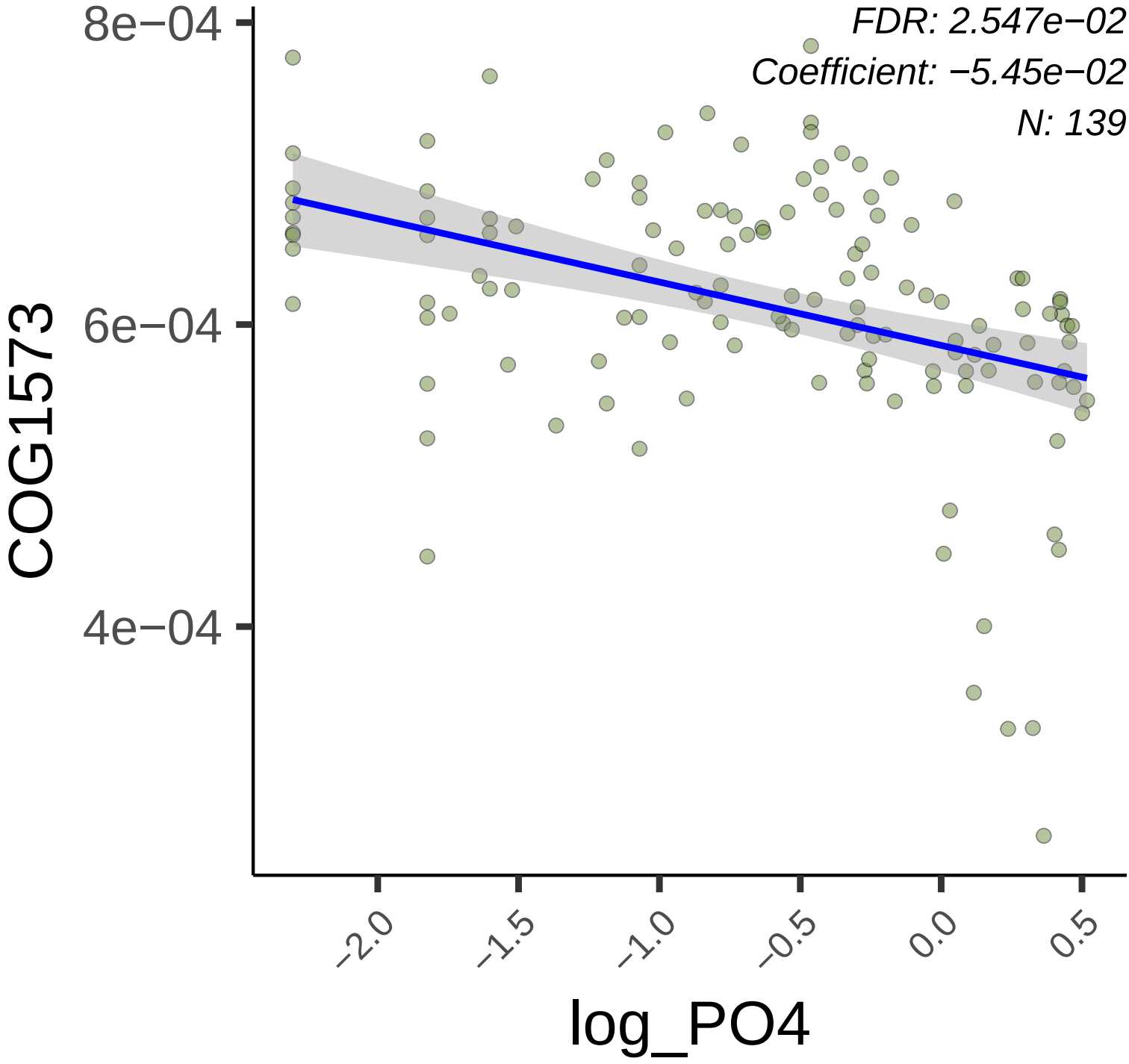
log_PO4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Coefficient: −5.45e−02
N: 139
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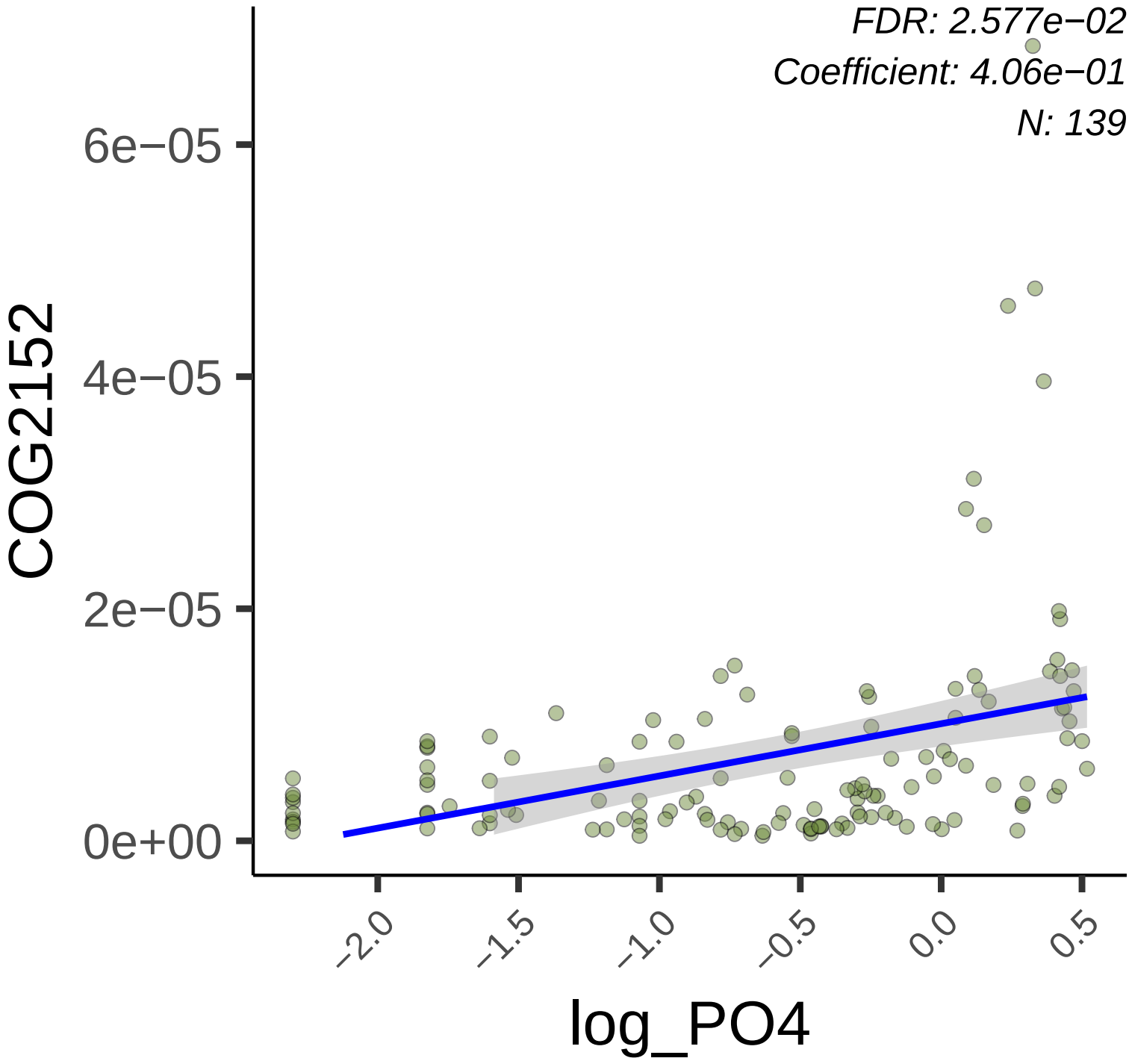
log_PO4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Coefficient: 4.06e−01
N: 139
COG2152
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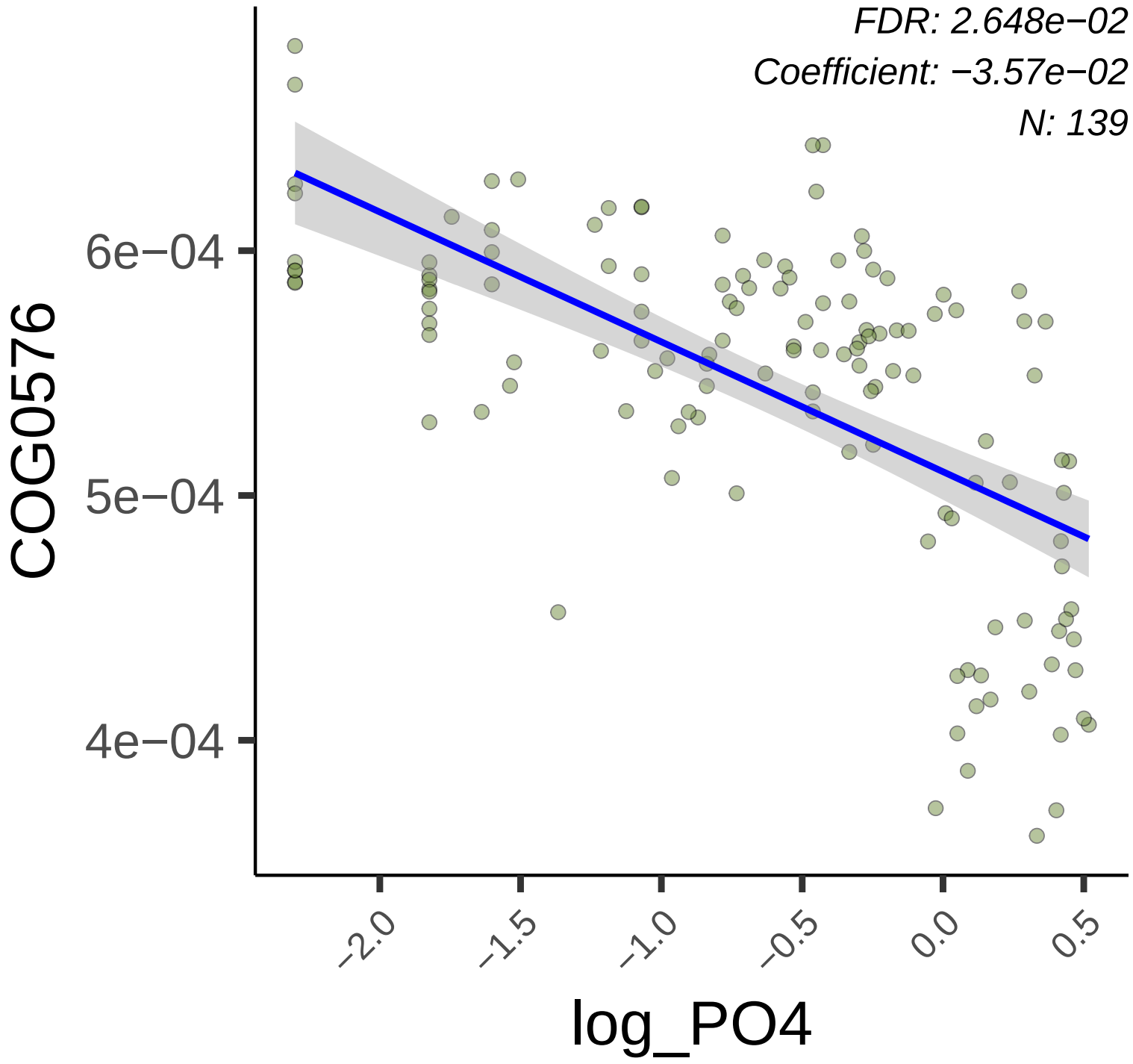
log_PO4


FDR: 2.648e−02
Coefficient: −3.57e−02
N: 139
COG0576
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4e−04
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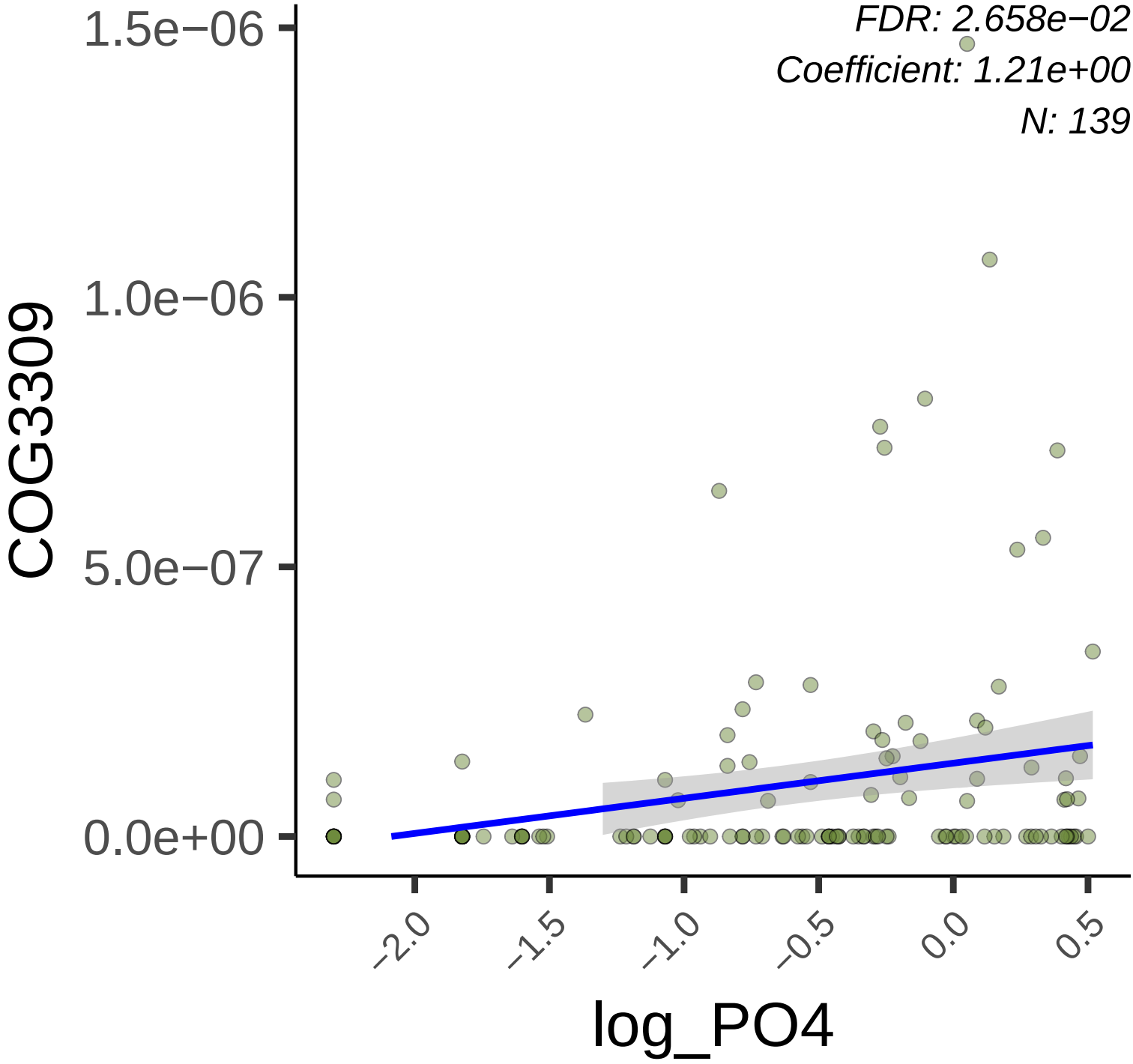
log_PO4


FDR: 2.658e−02
Coefficient: 1.21e+00
N: 139
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5.0e−07
0.0e+00
COG3309
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−1.0
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0.0
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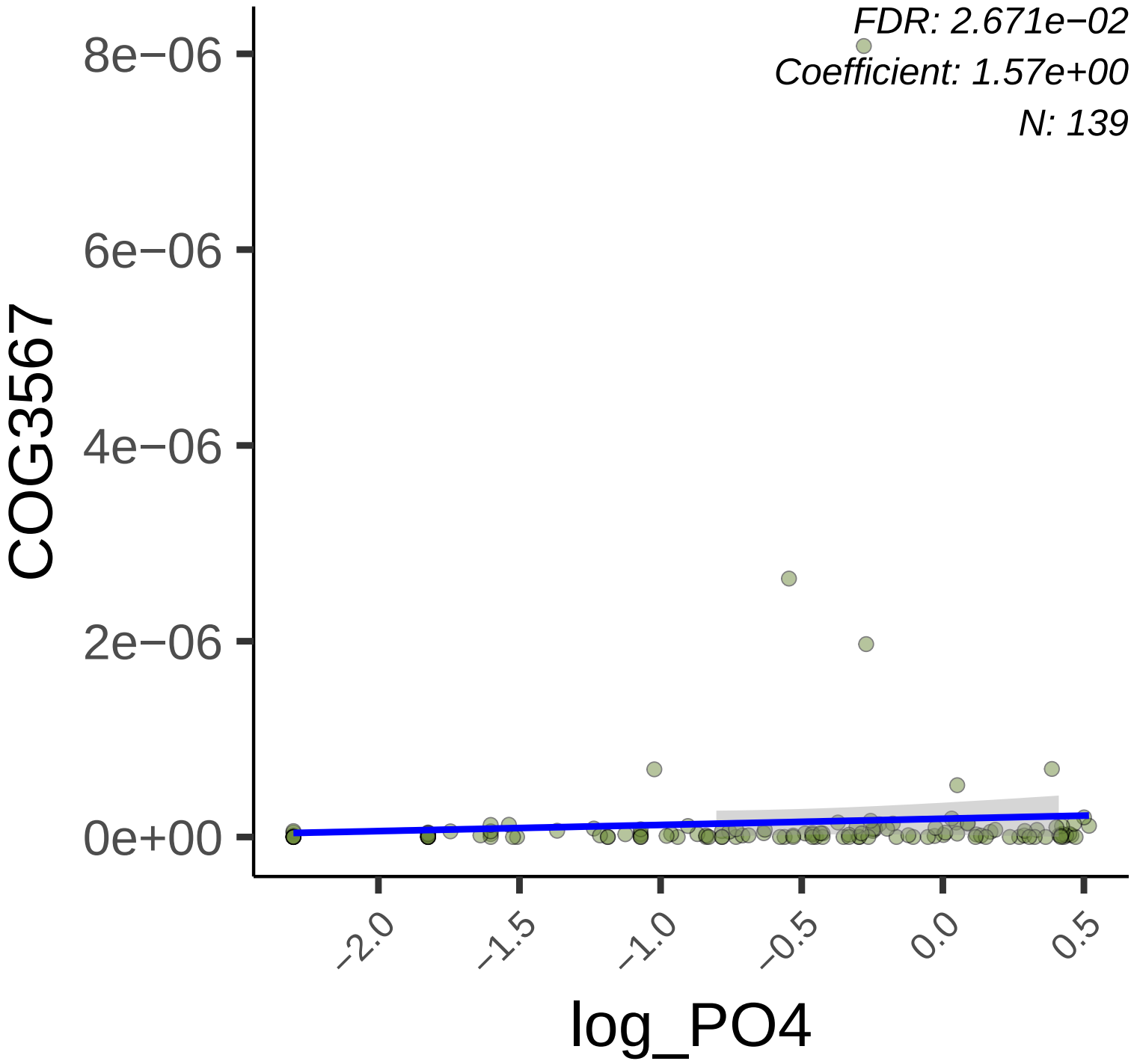
log_PO4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Coefficient: 1.57e+00
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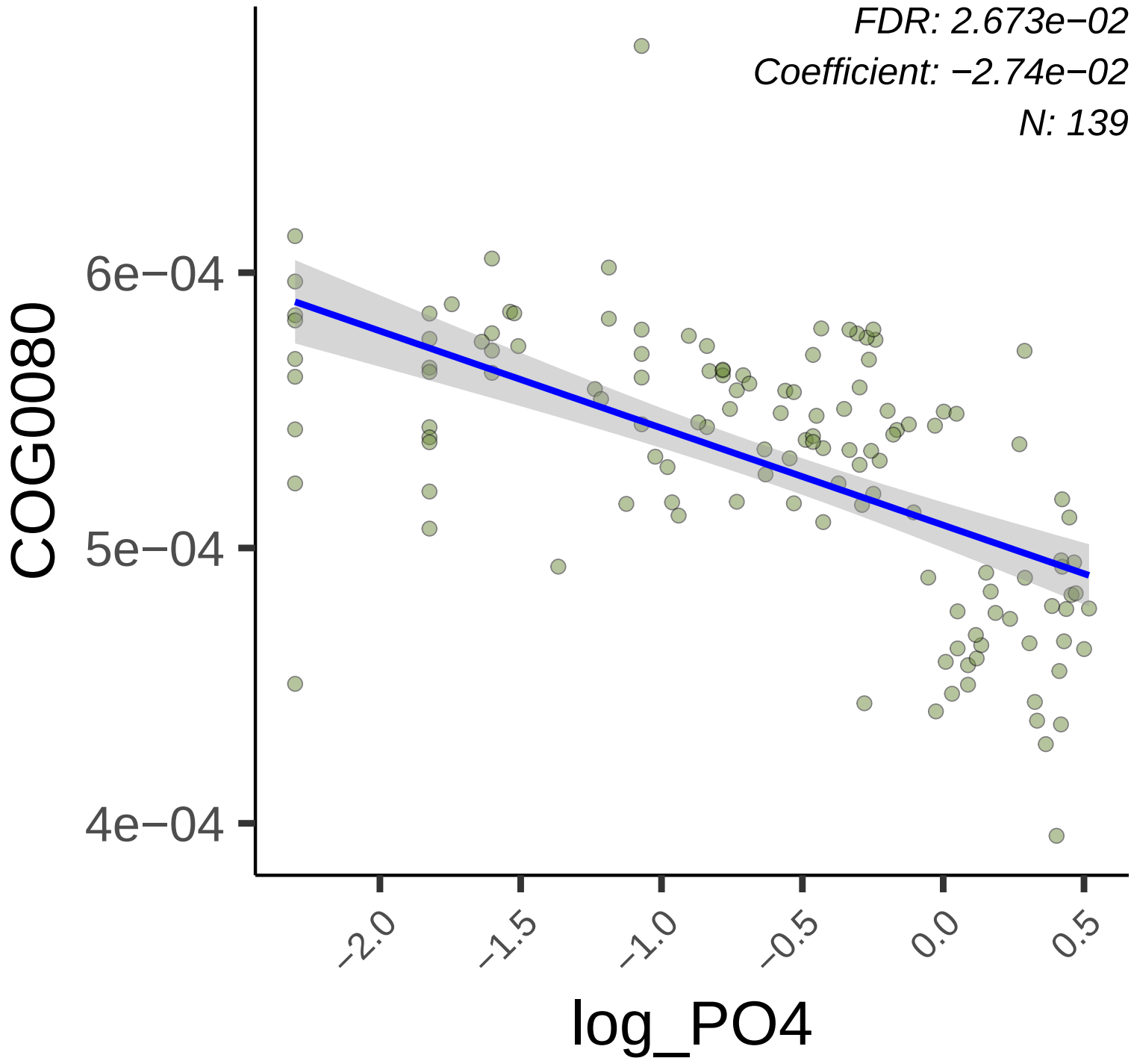
log_PO4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Coefficient: −2.74e−02
N: 139
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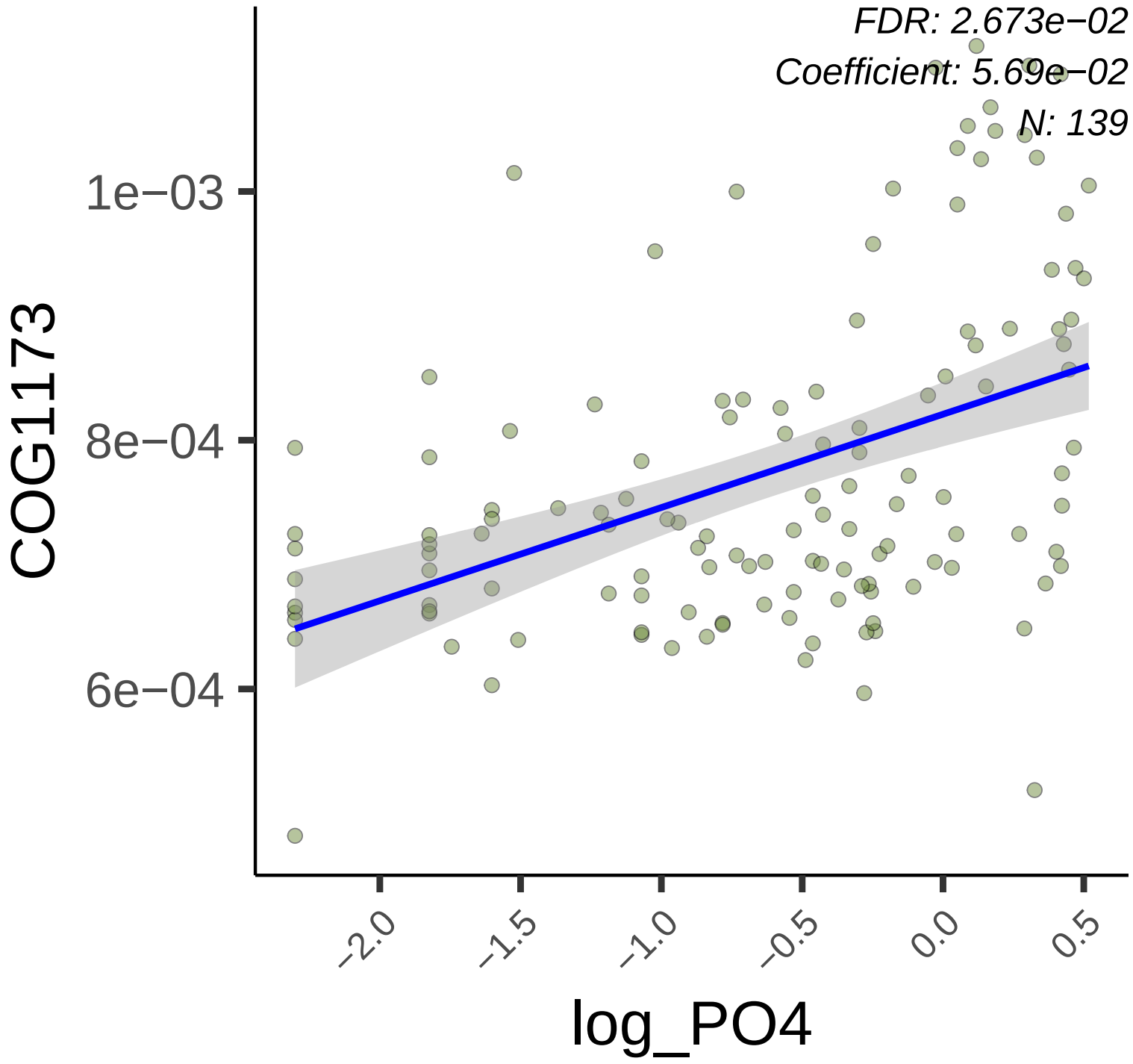
log_PO4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Coefficient: 5.69e−02
N: 139
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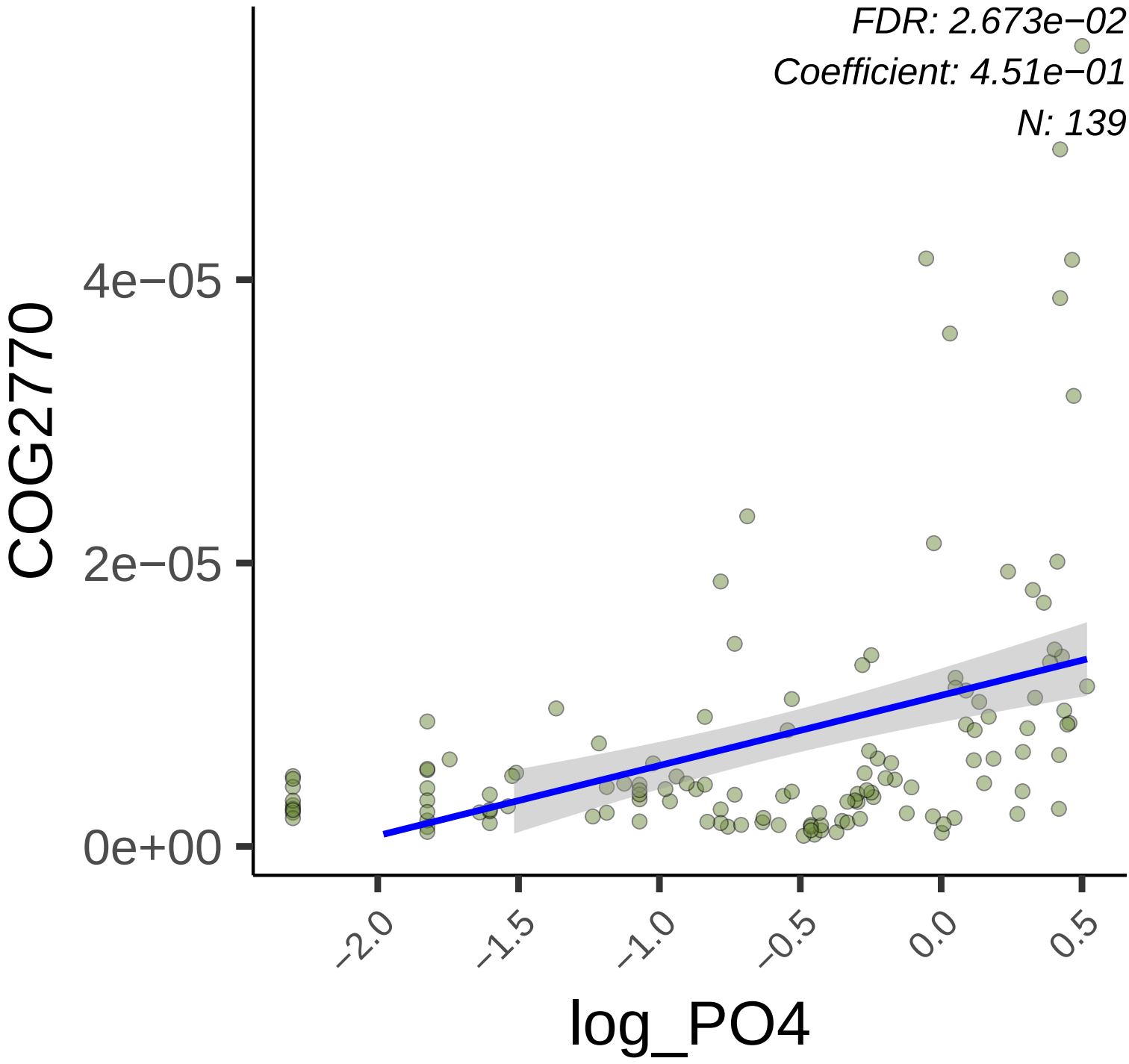
log_PO4


FDR: 2.673e−02
Coefficient: 4.51e−01
N: 139
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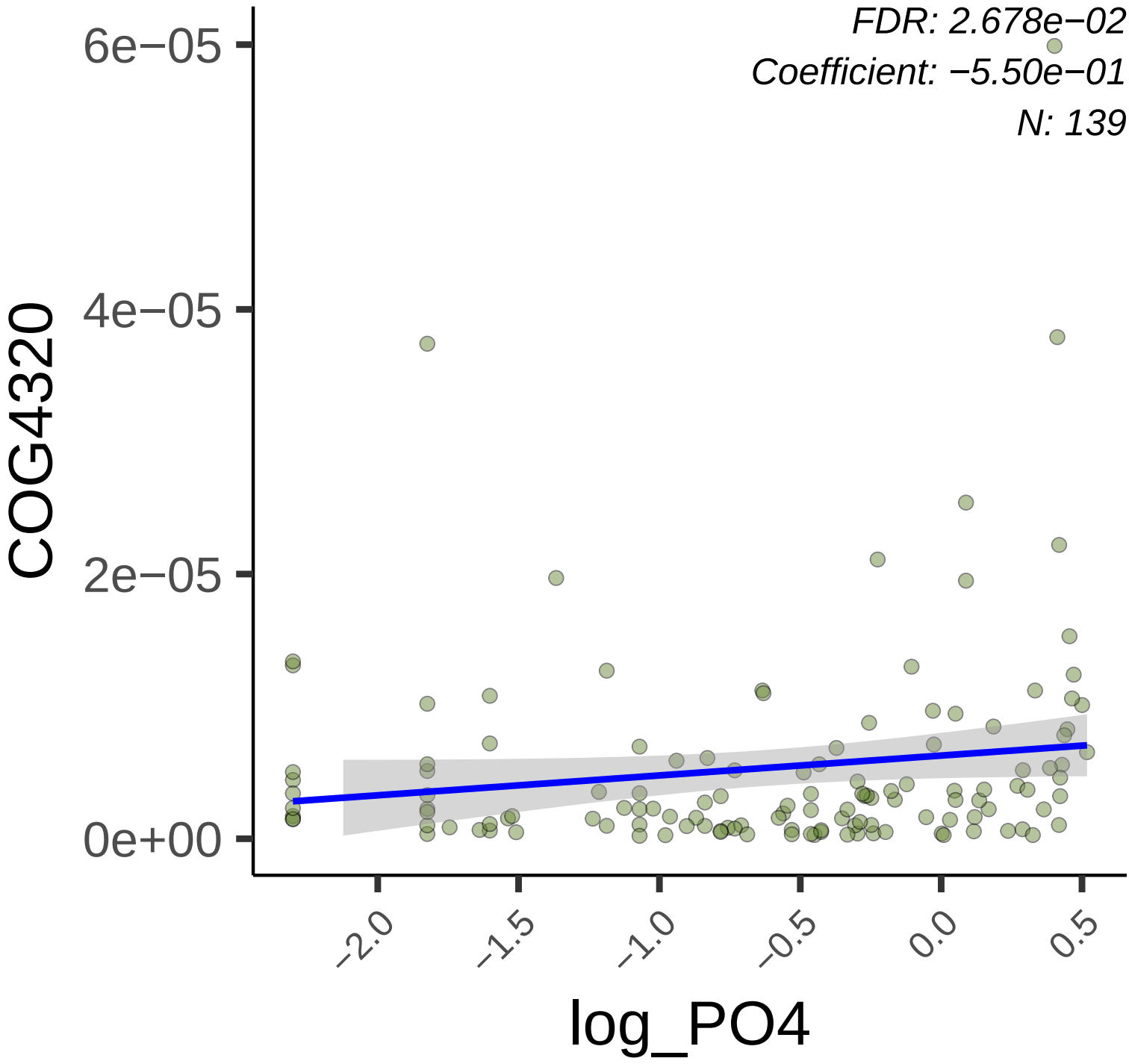
log_PO4


FDR: 2.678e−02
Coefficient: −5.50e−01
N: 139
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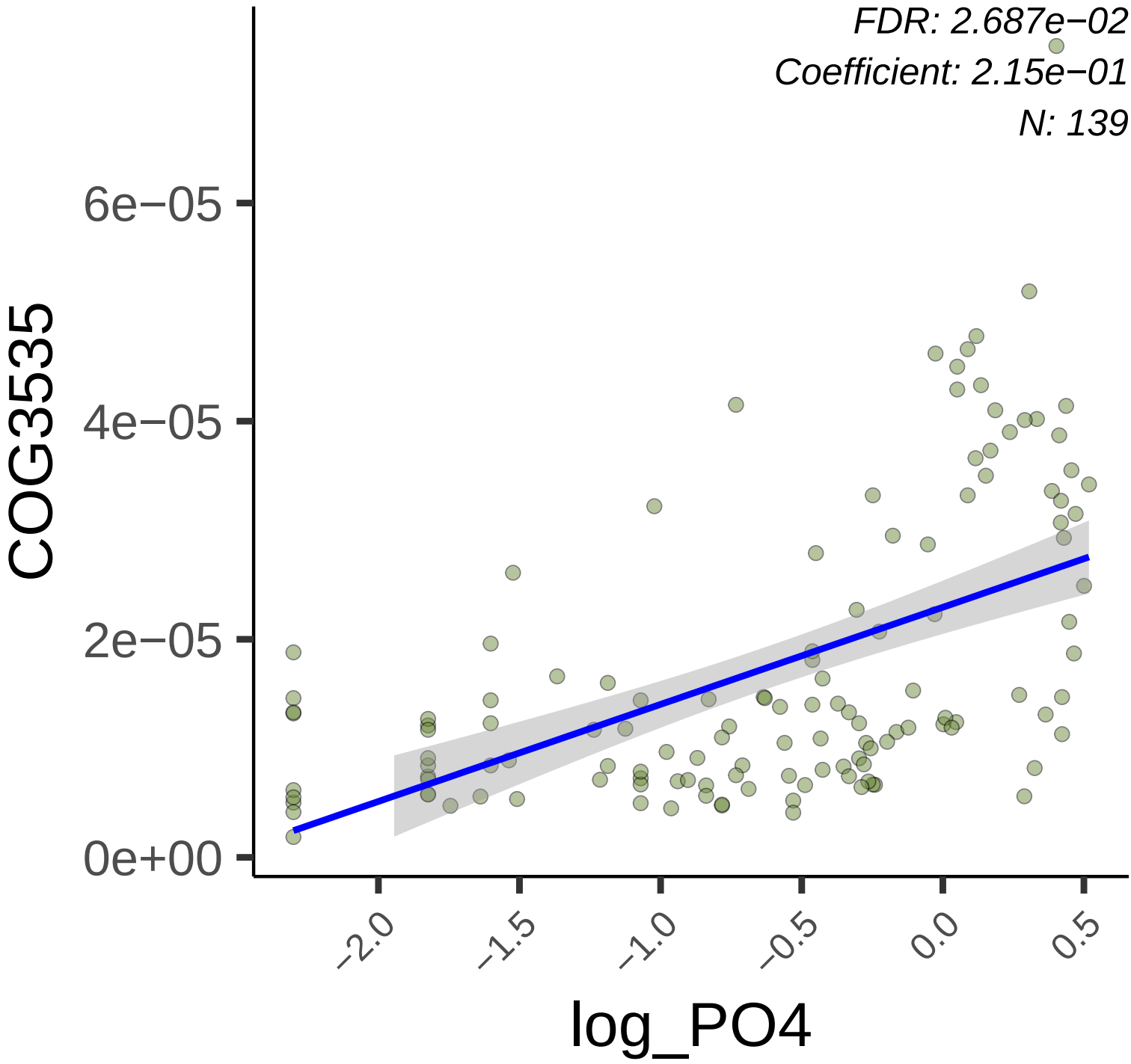
log_PO4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Coefficient: 2.15e−01
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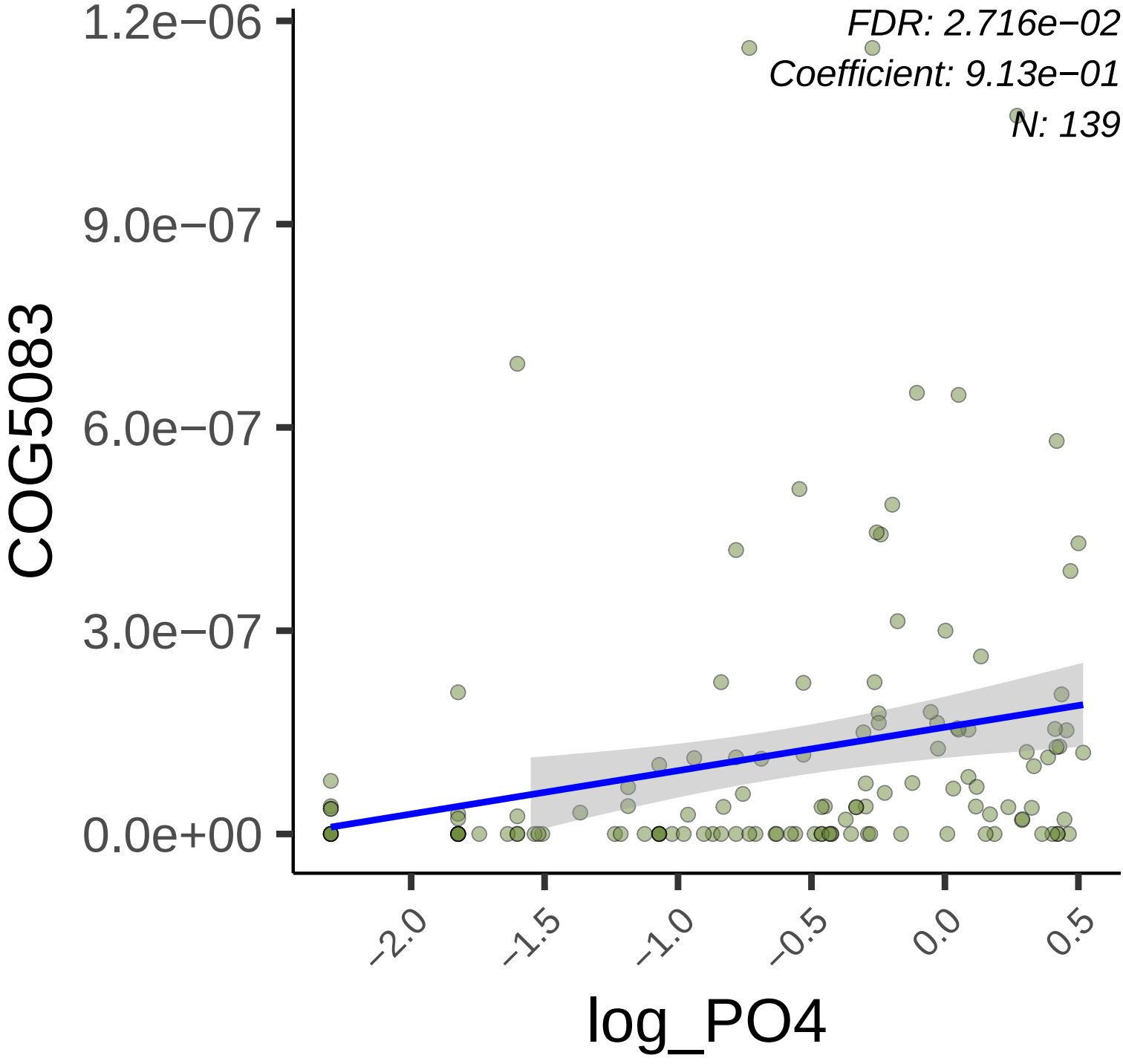
log_PO4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Coefficient: 9.13e−01
N: 139
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6.0e−07
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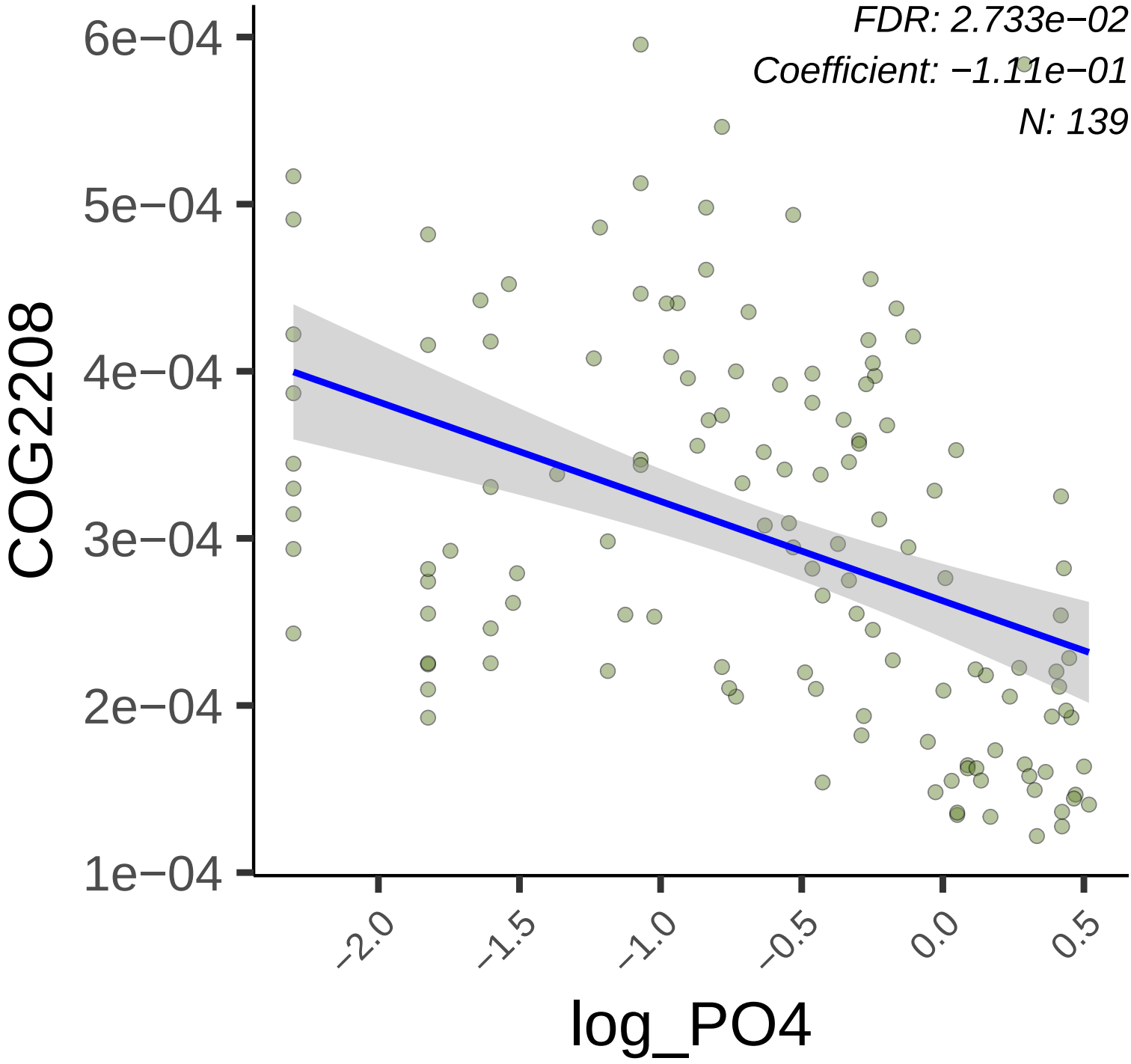
log_PO4


FDR: 2.733e−02
Coefficient: −1.11e−01
N: 139
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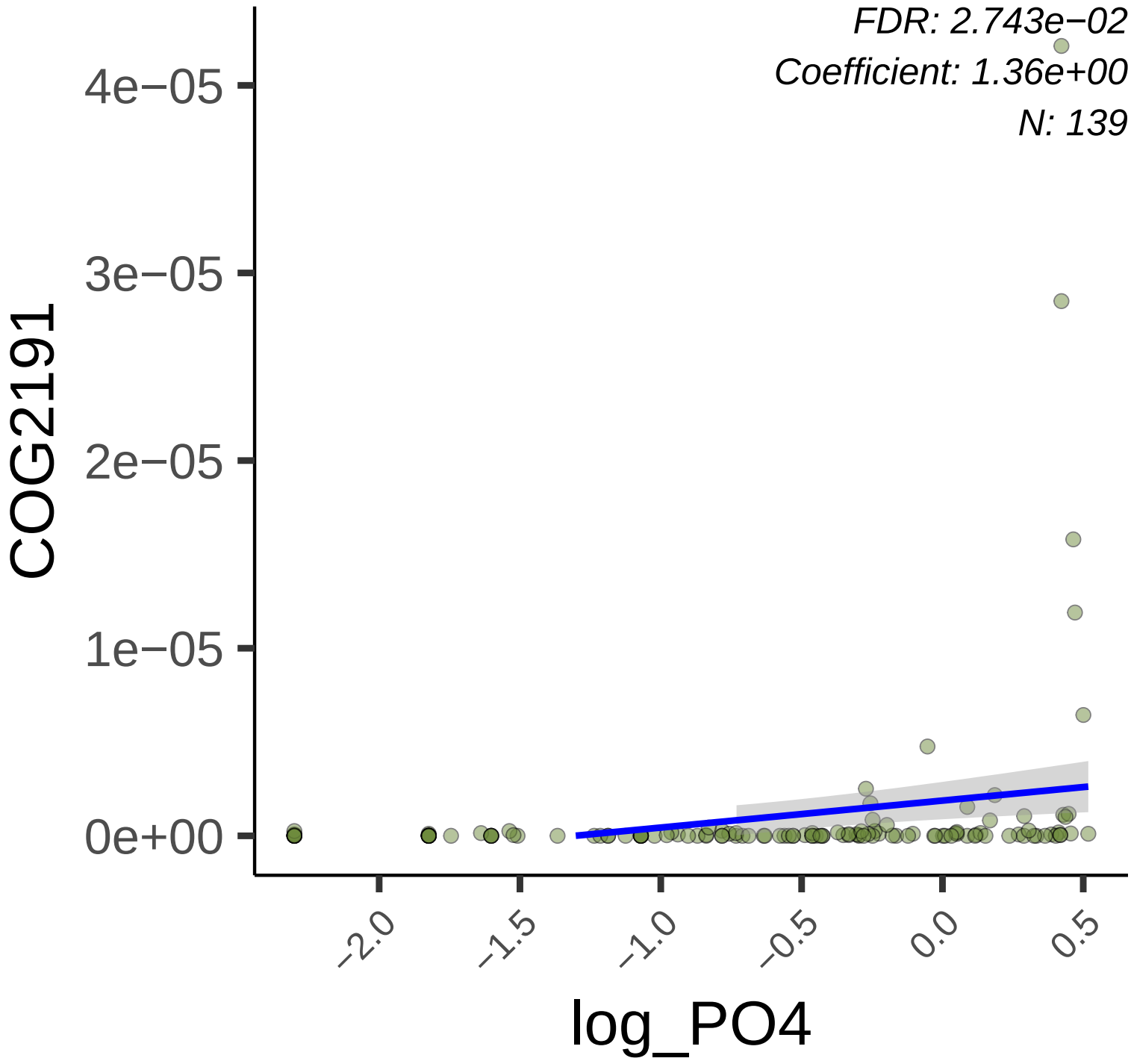
log_PO4


FDR: 2.743e−02
Coefficient: 1.36e+00
N: 139
COG2191
4e−05
3e−05
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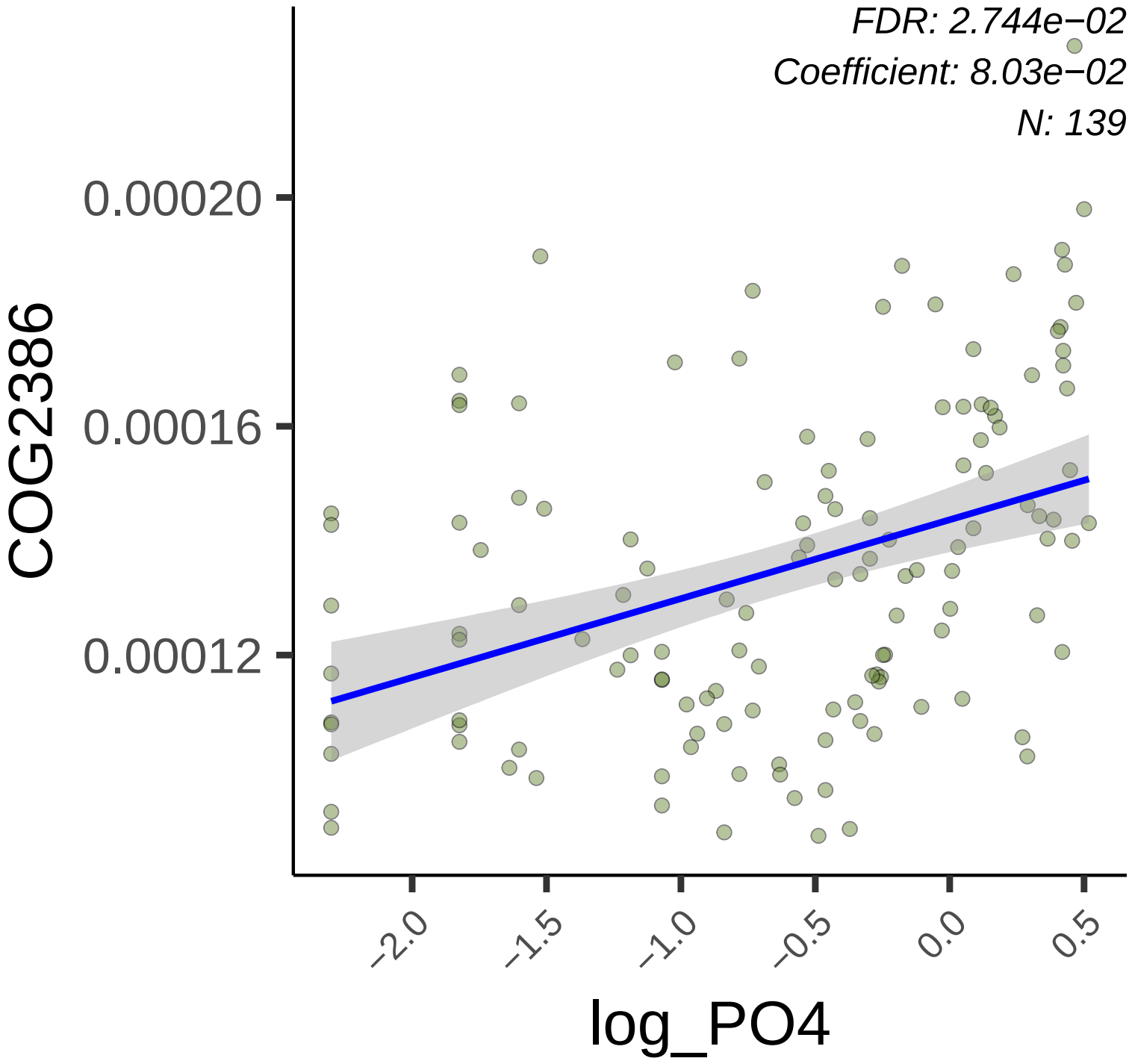
log_PO4


FDR: 2.744e−02
Coefficient: 8.03e−02
N: 139
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COG2386
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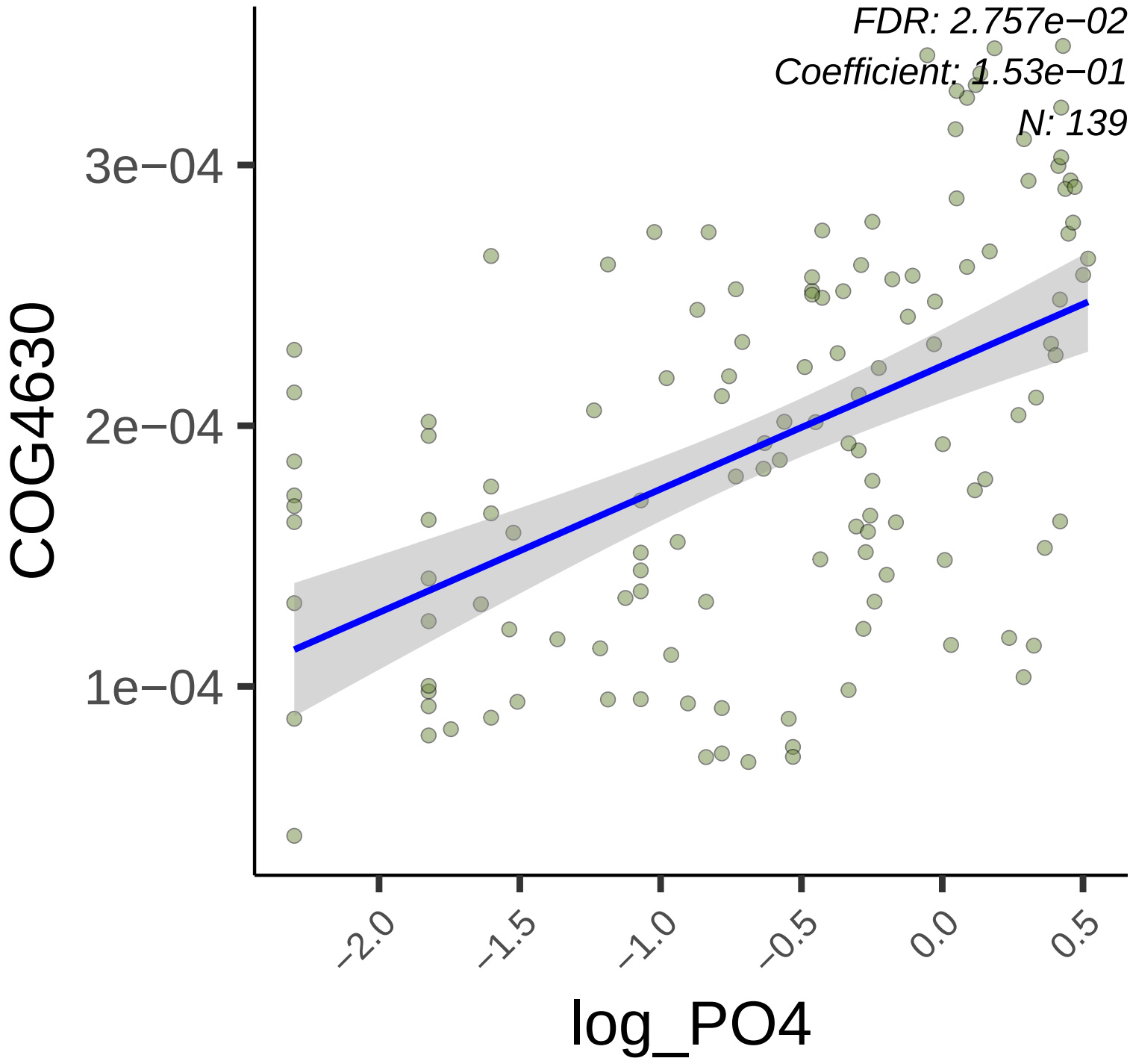
log_PO4


FDR: 2.757e−02
Coefficient: 1.53e−01
N: 139
COG4630
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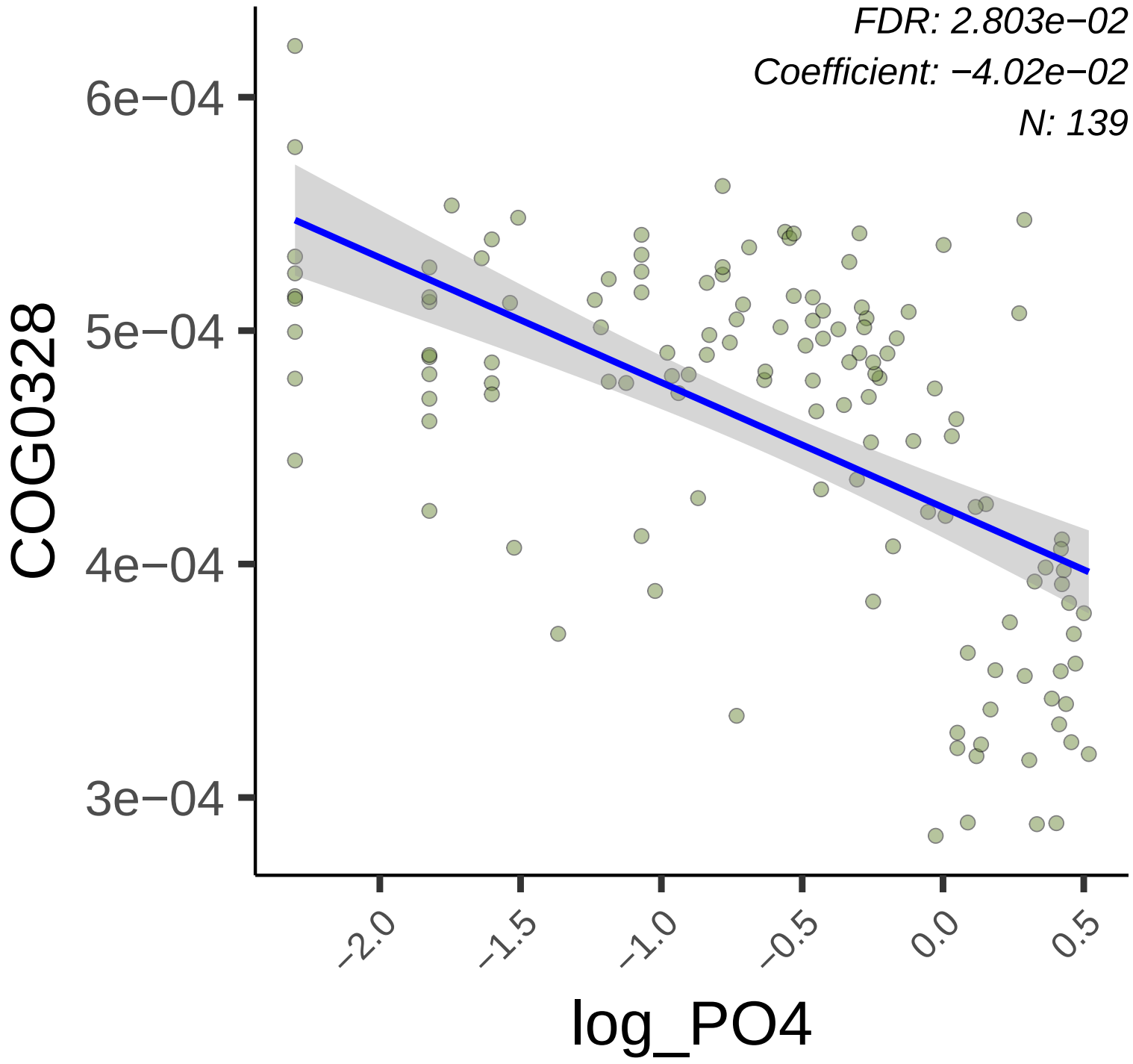
log_PO4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Coefficient: −4.02e−02
N: 139
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COG0328
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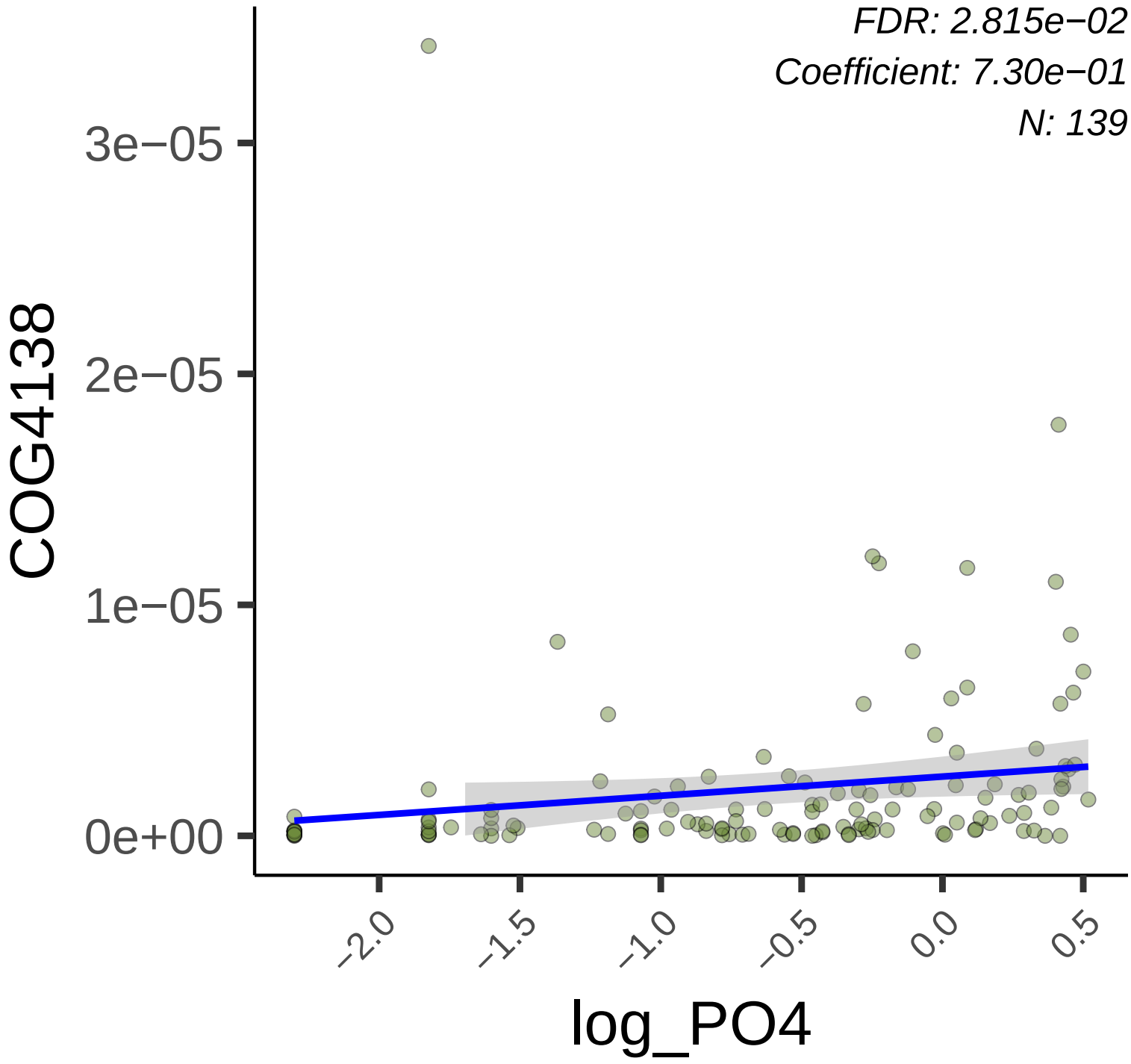
log_PO4


FDR: 2.815e−02
Coefficient: 7.30e−01
N: 139
COG4138
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−1.5
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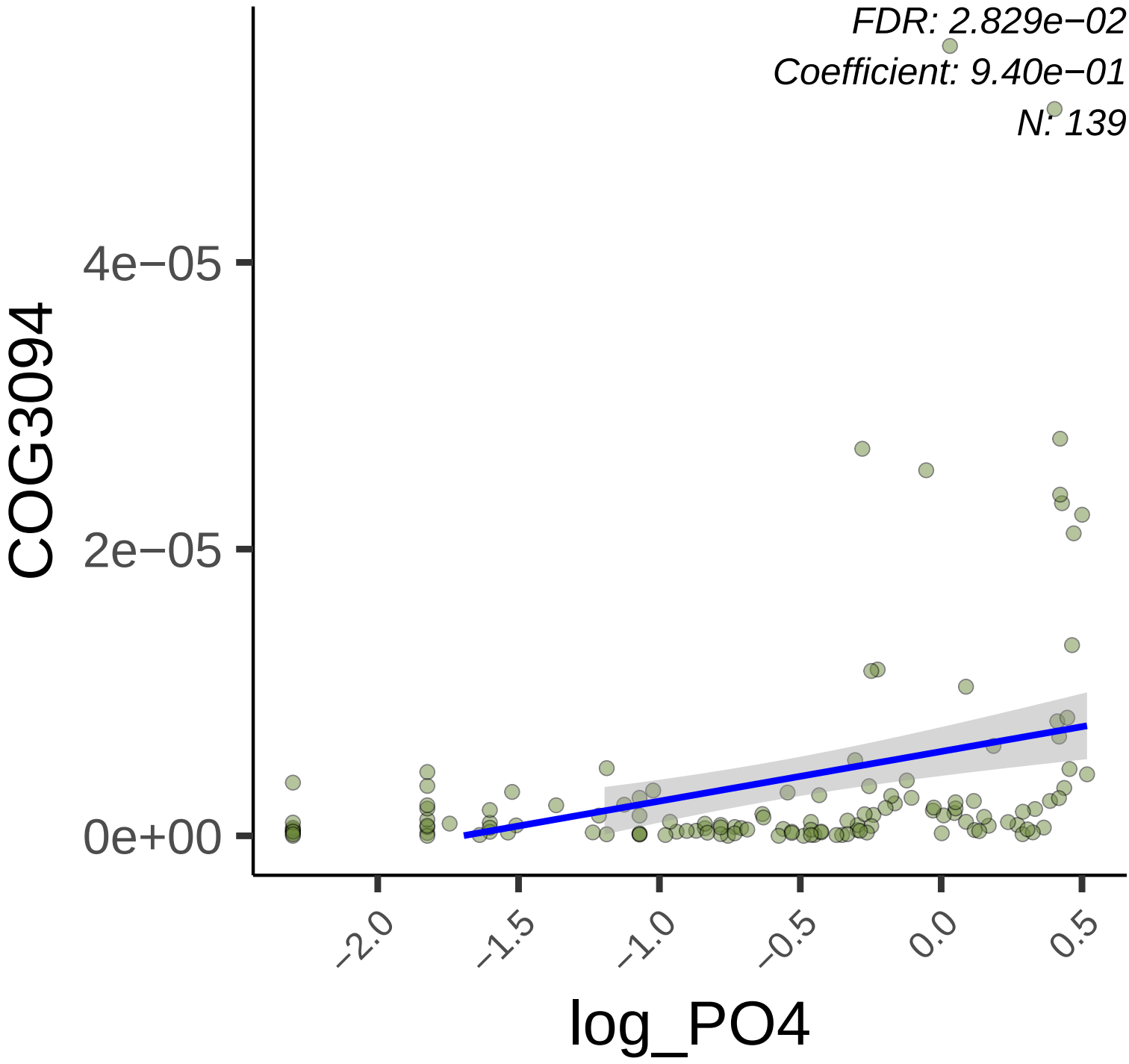
log_PO4


FDR: 2.829e−02
Coefficient: 9.40e−01
N: 139
COG3094
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0e+00
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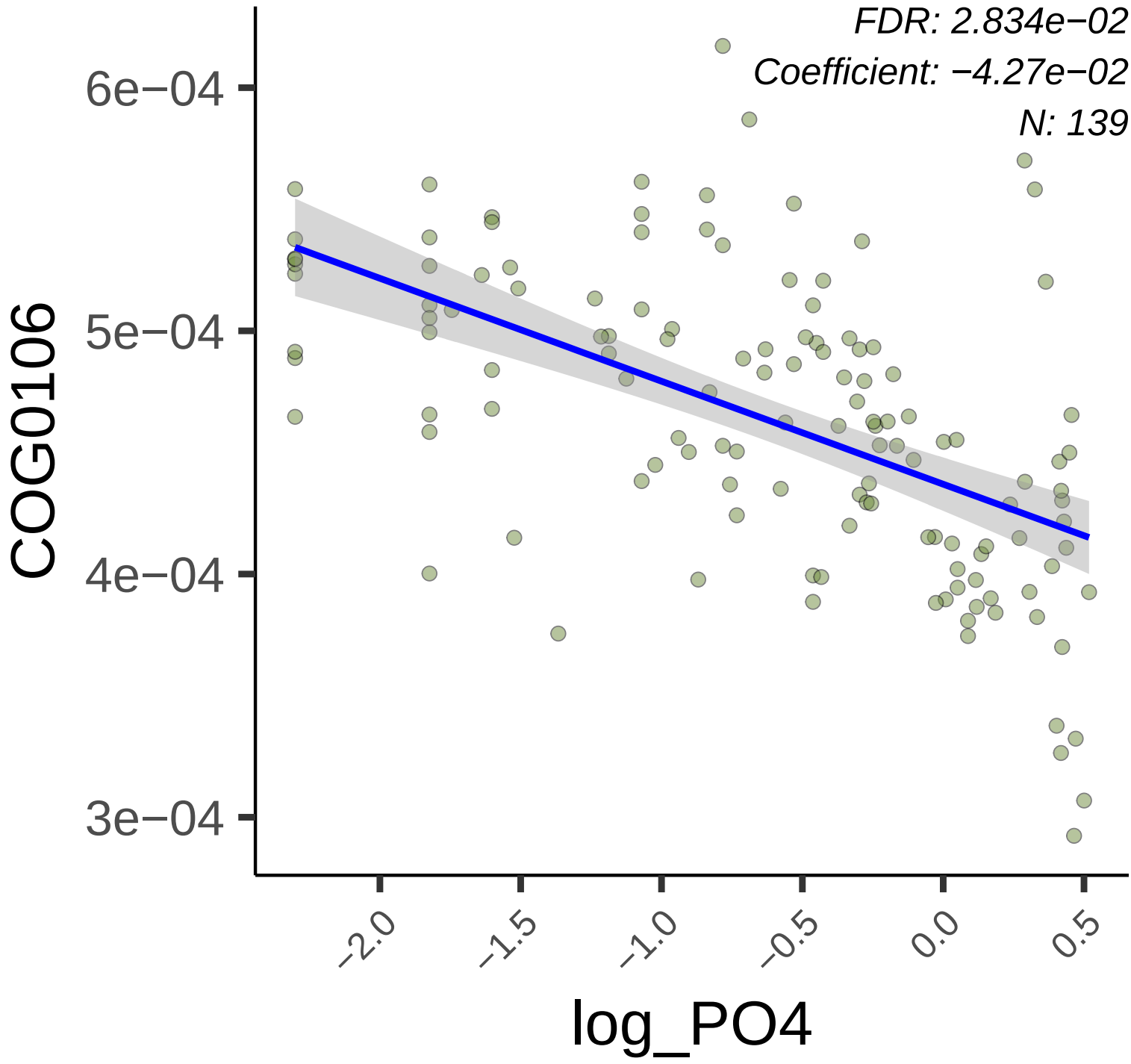
log_PO4


FDR: 2.834e−02
Coefficient: −4.27e−02
N: 139
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5e−04
4e−04
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COG0106
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−1.0
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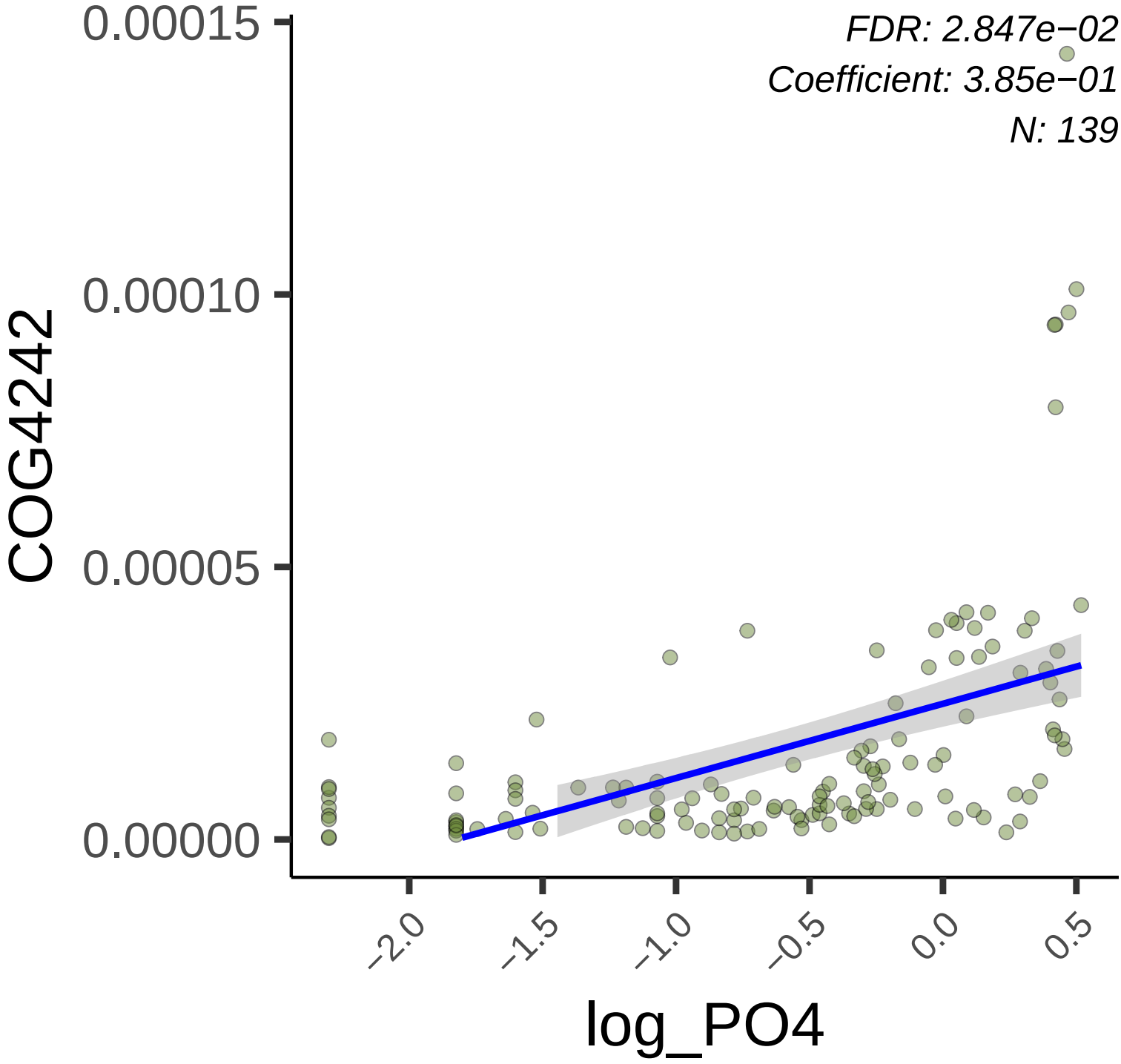
log_PO4


FDR: 2.847e−02
Coefficient: 3.85e−01
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COG4242
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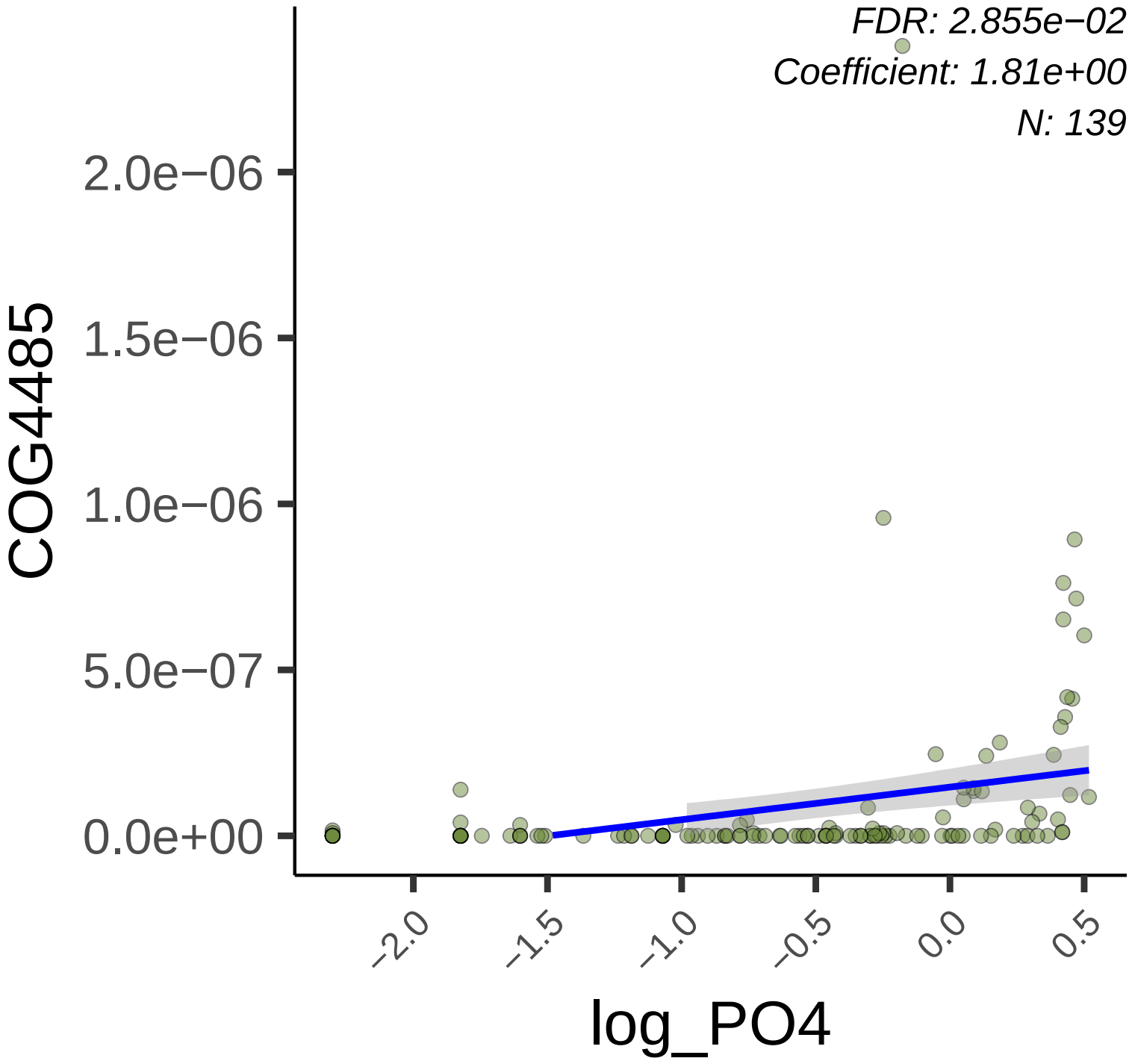
log_PO4


FDR: 2.855e−02
Coefficient: 1.81e+00
N: 139
COG4485
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1.5e−06
1.0e−06
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0.0e+00
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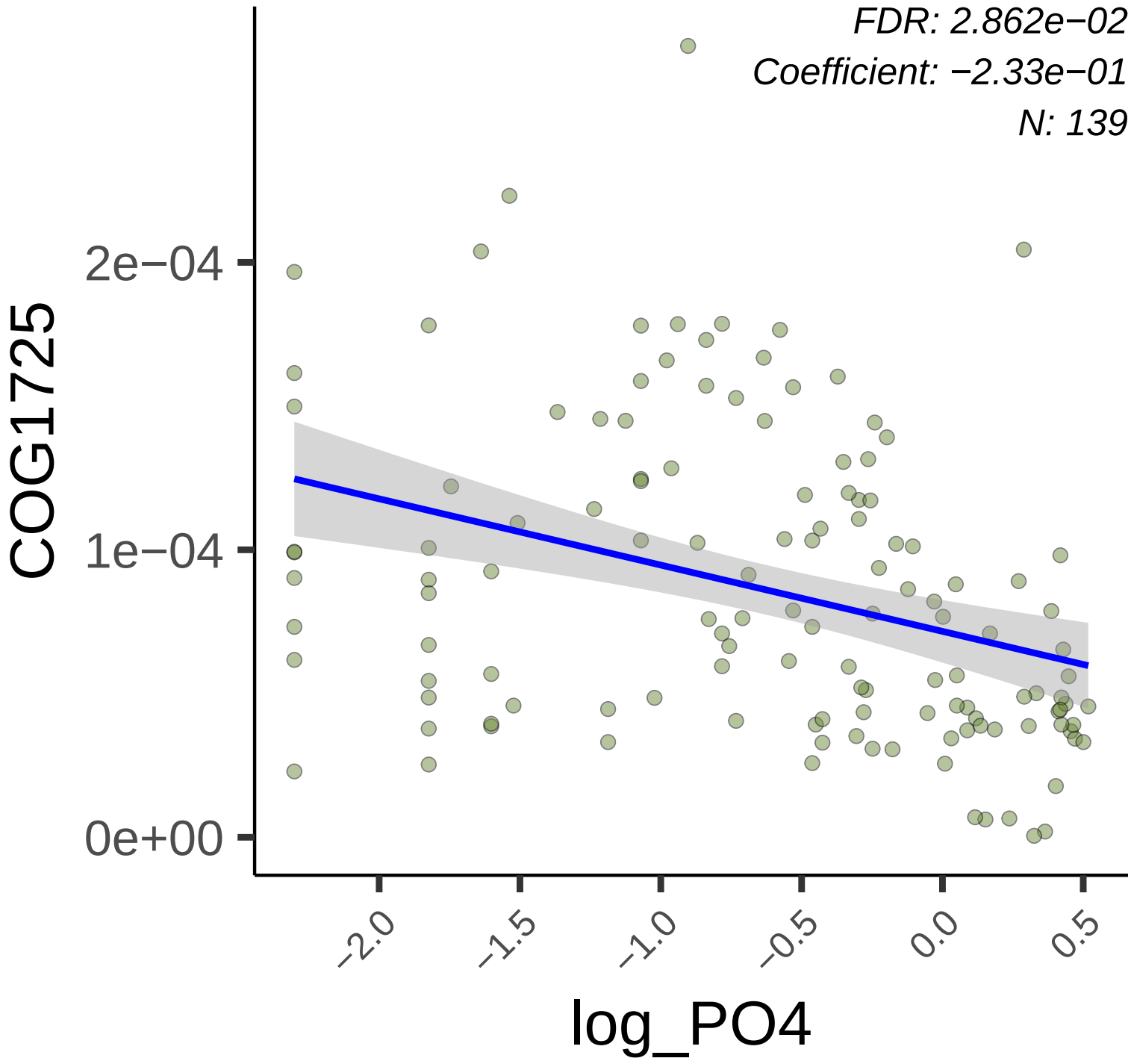
log_PO4


FDR: 2.862e−02
Coefficient: −2.33e−01
N: 139
COG1725
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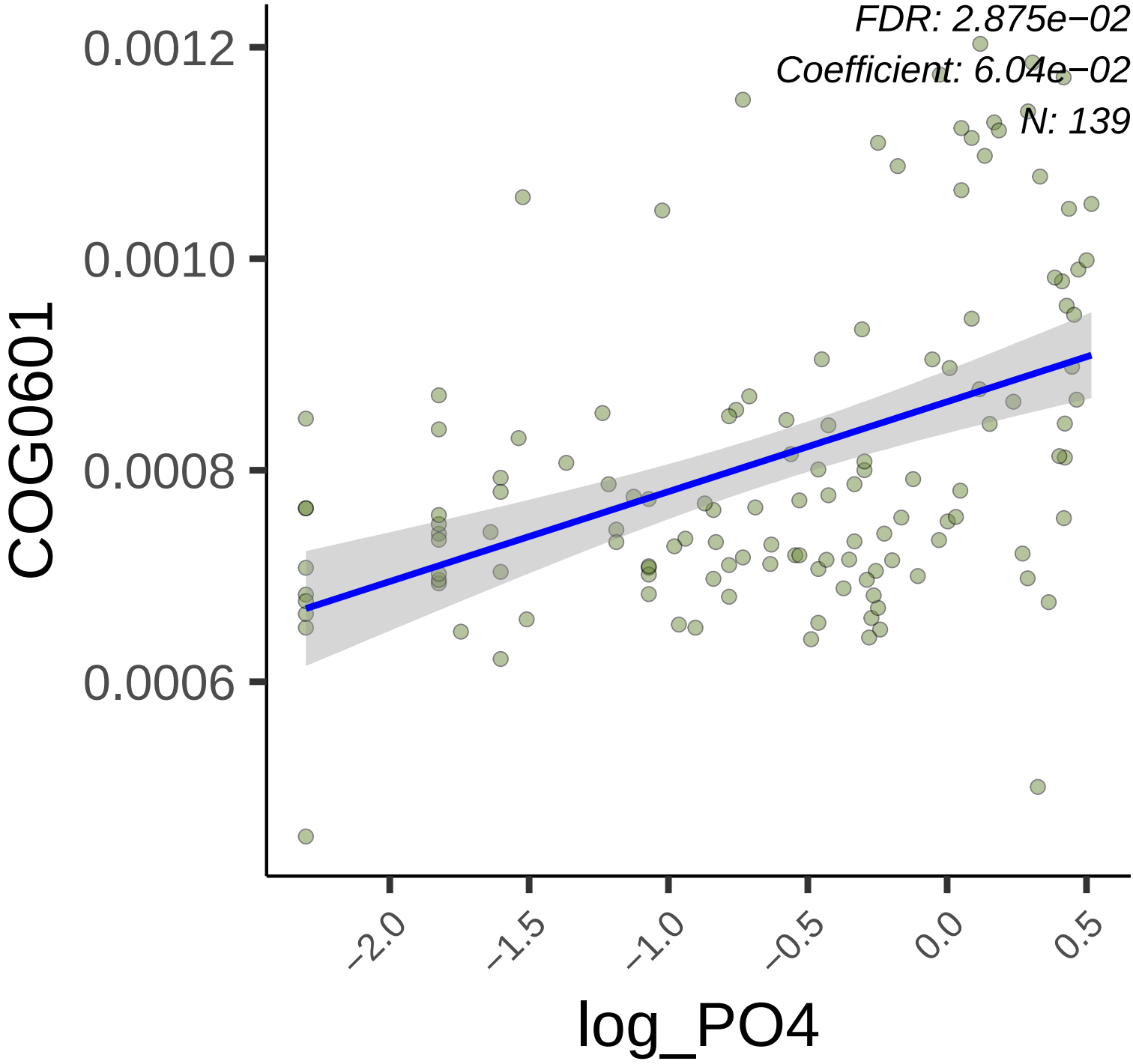
log_PO4


FDR: 2.875e−02
Coefficient: 6.04e−02
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COG0601
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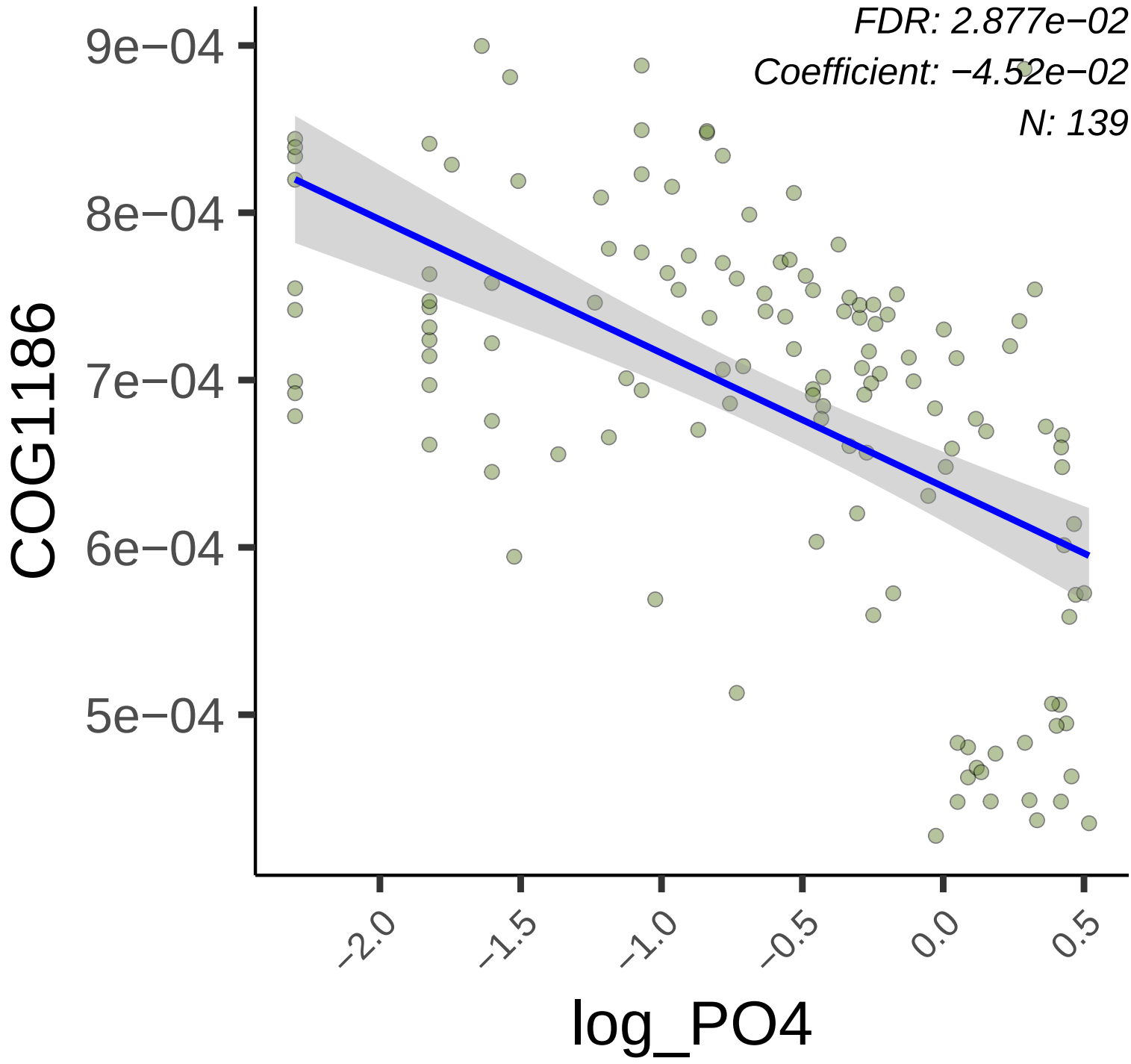
log_PO4


FDR: 2.877e−02
Coefficient: −4.52e−02
N: 139
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7e−04
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COG1186
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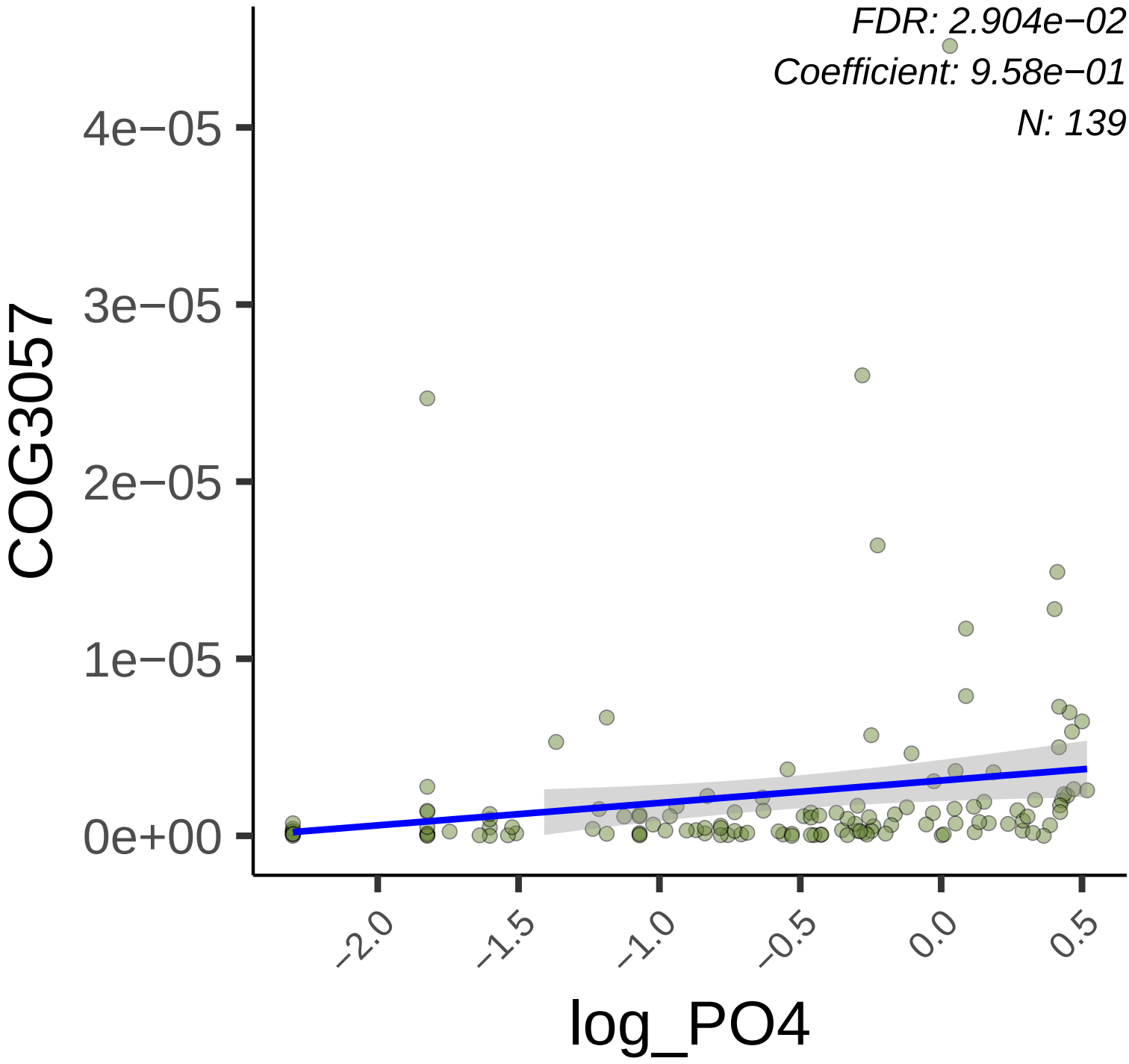
log_PO4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Coefficient: 9.58e−01
N: 139
COG3057
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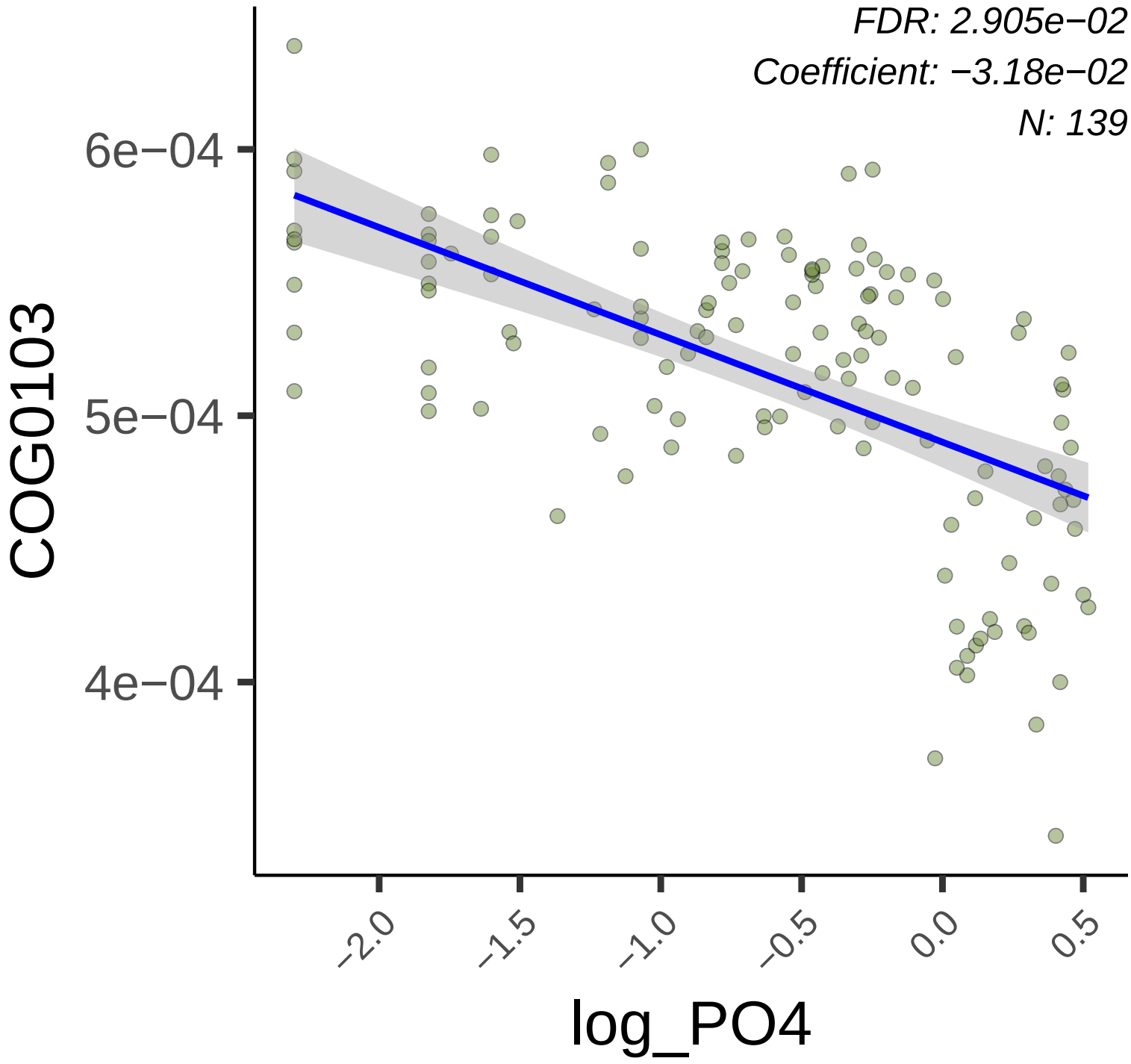
log_PO4


FDR: 2.905e−02
Coefficient: −3.18e−02
N: 139
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COG0103
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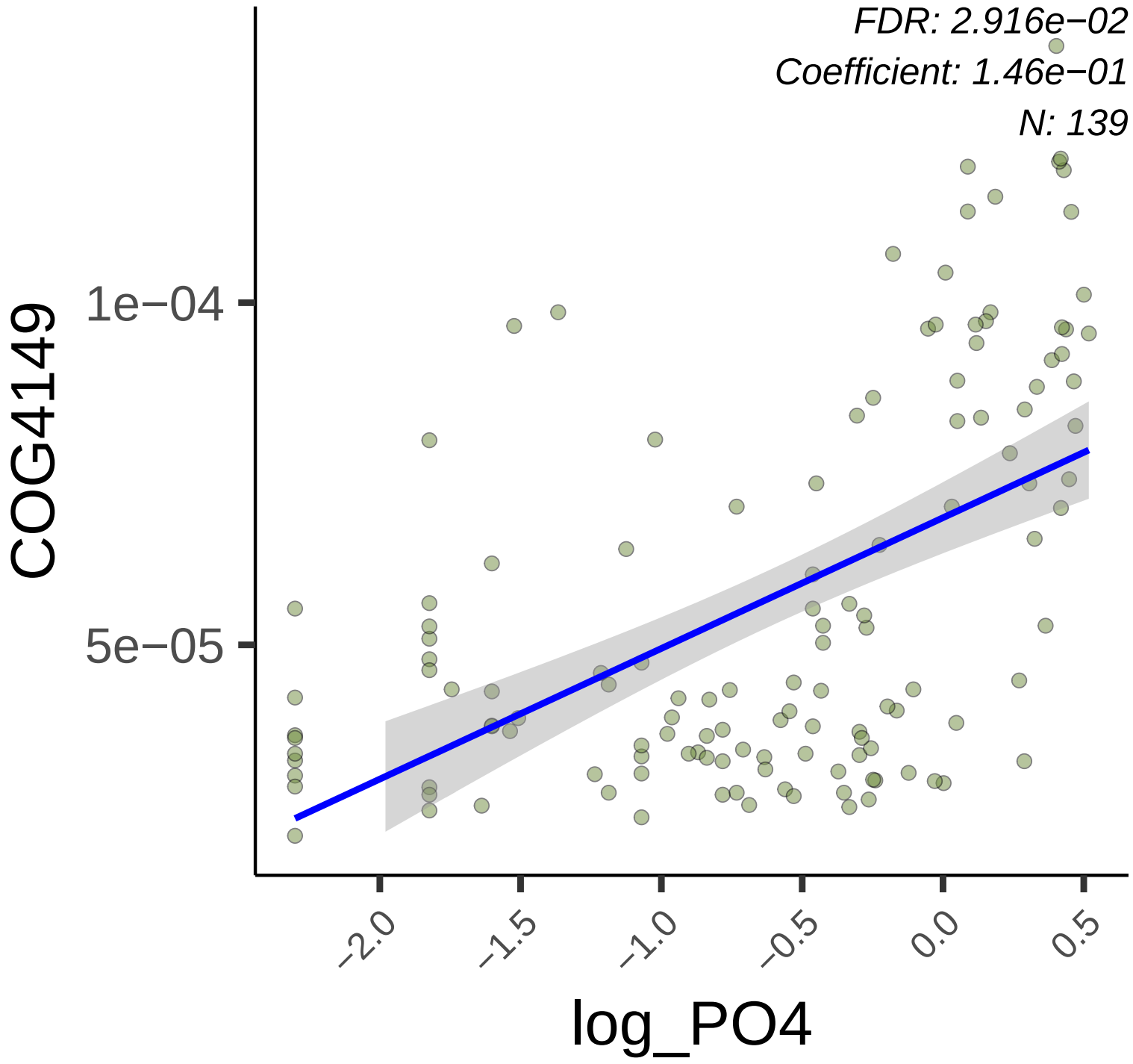
log_PO4


FDR: 2.916e−02
Coefficient: 1.46e−01
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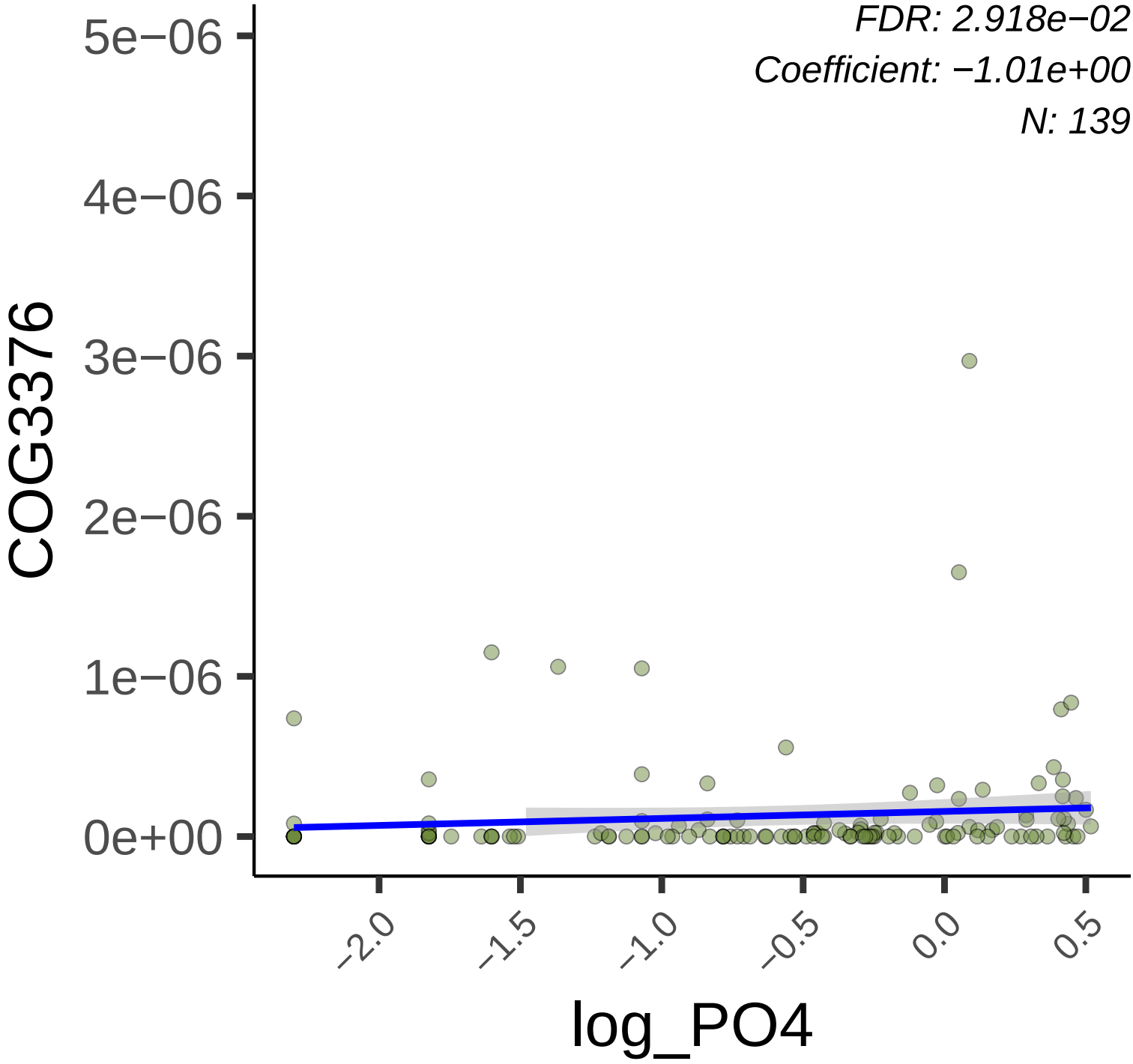
log_PO4


FDR: 2.918e−02
Coefficient: −1.01e+00
N: 139
COG3376
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4e−06
3e−06
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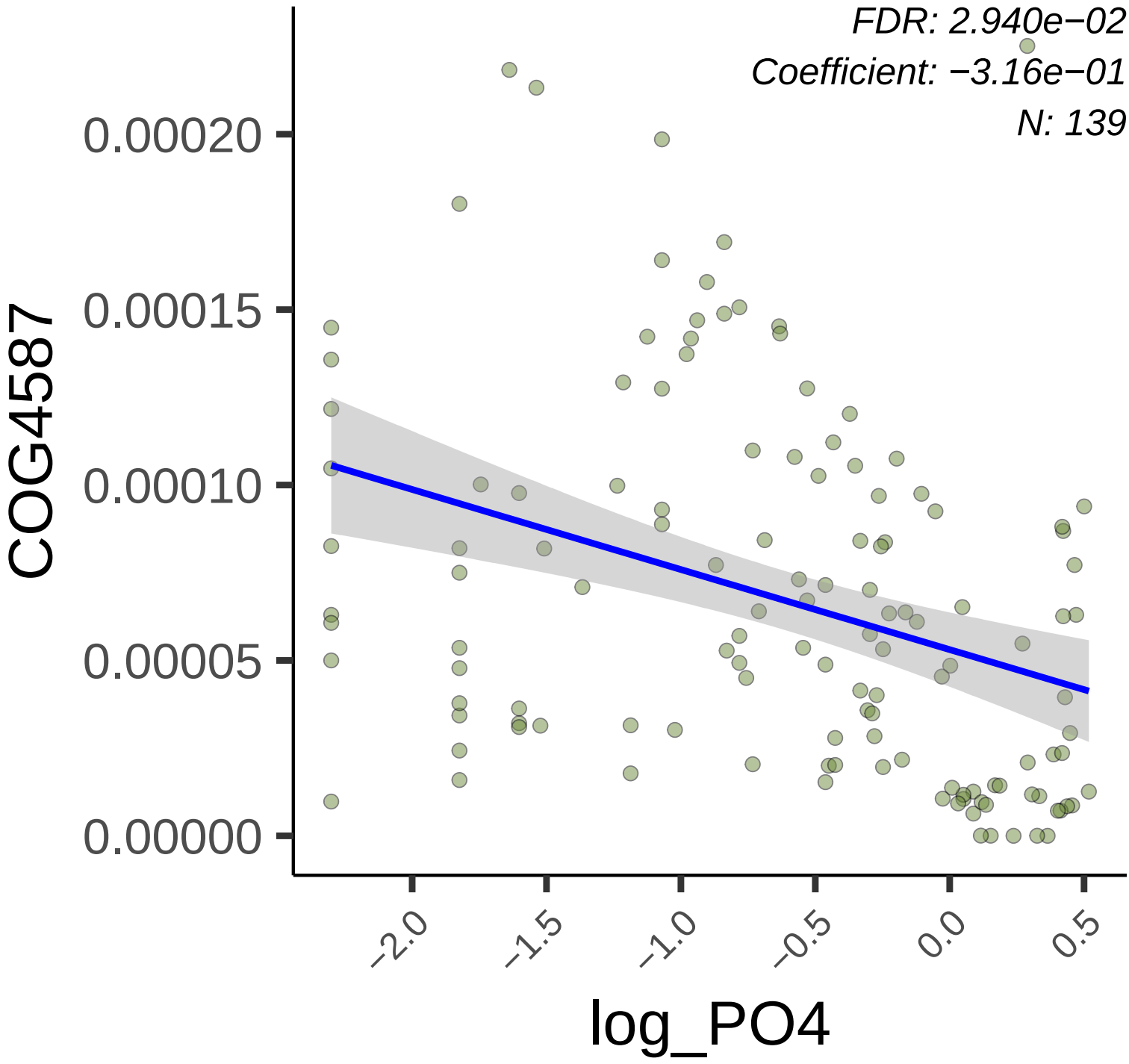
log_PO4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Coefficient: −3.16e−01
N: 139
COG4587
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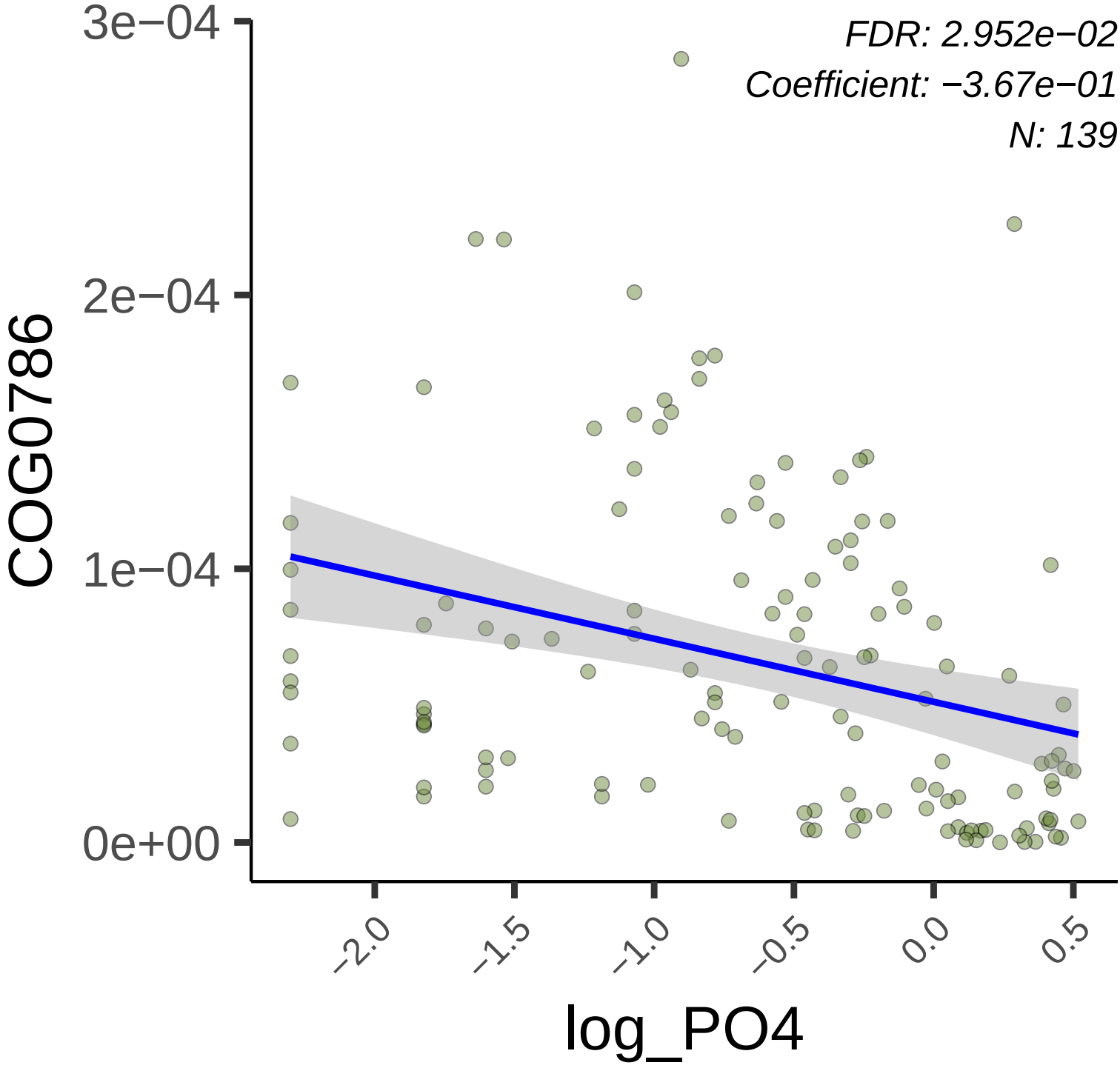
log_PO4


FDR: 2.952e−02
Coefficient: −3.67e−01
N: 139
COG0786
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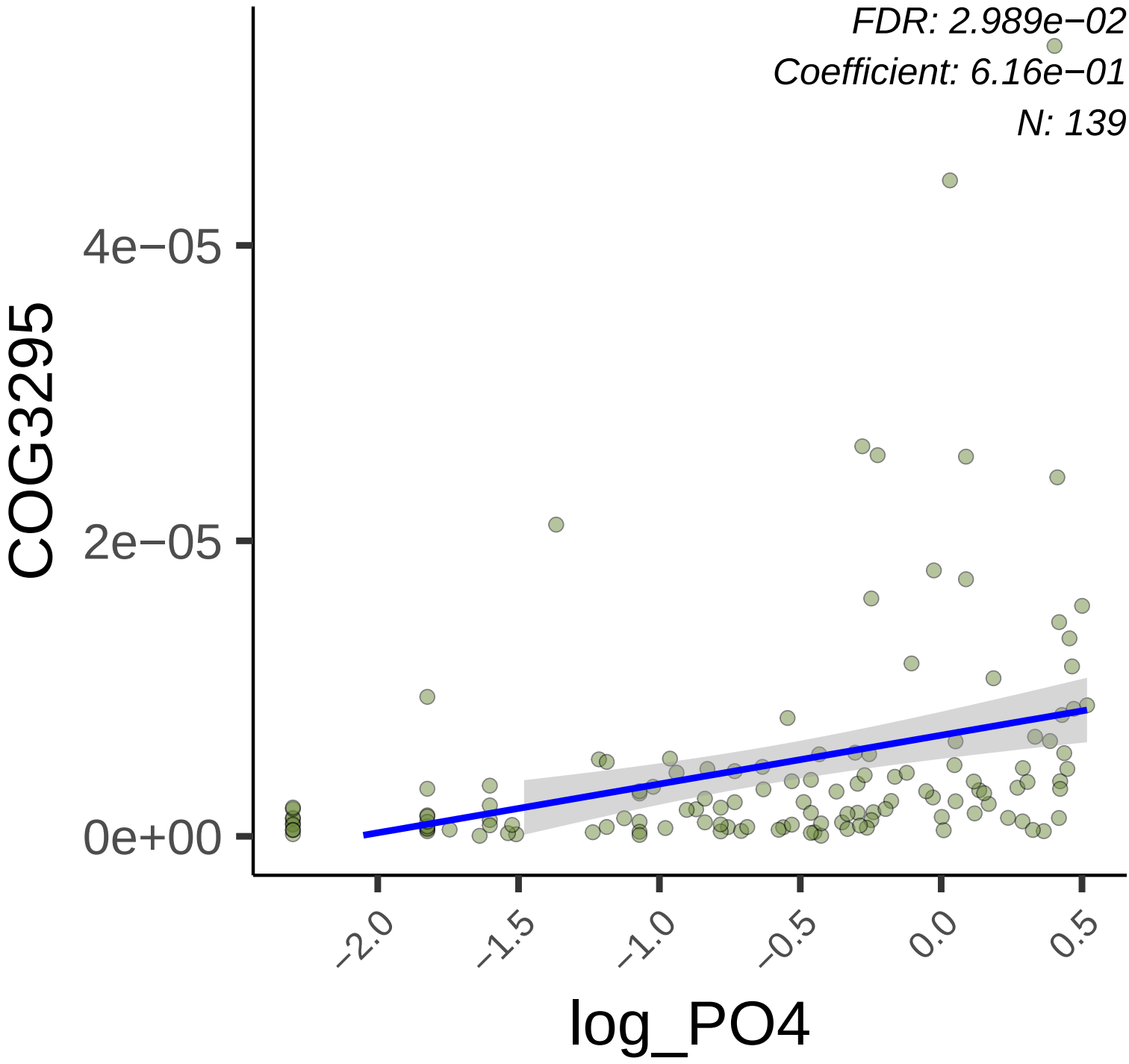
log_PO4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Coefficient: 6.16e−01
N: 139
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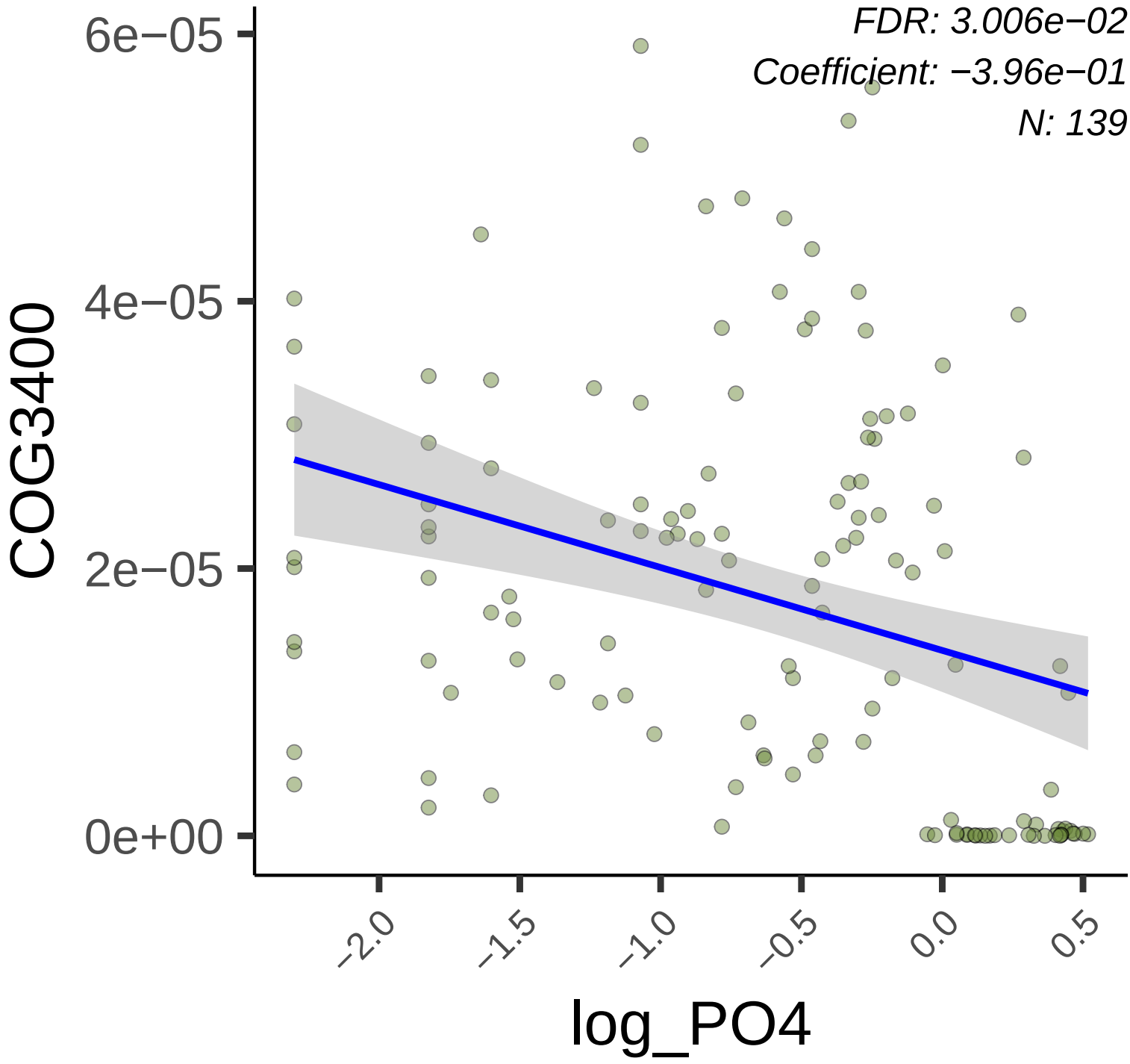
log_PO4


FDR: 3.006e−02
Coefficient: −3.96e−01
N: 139
COG3400
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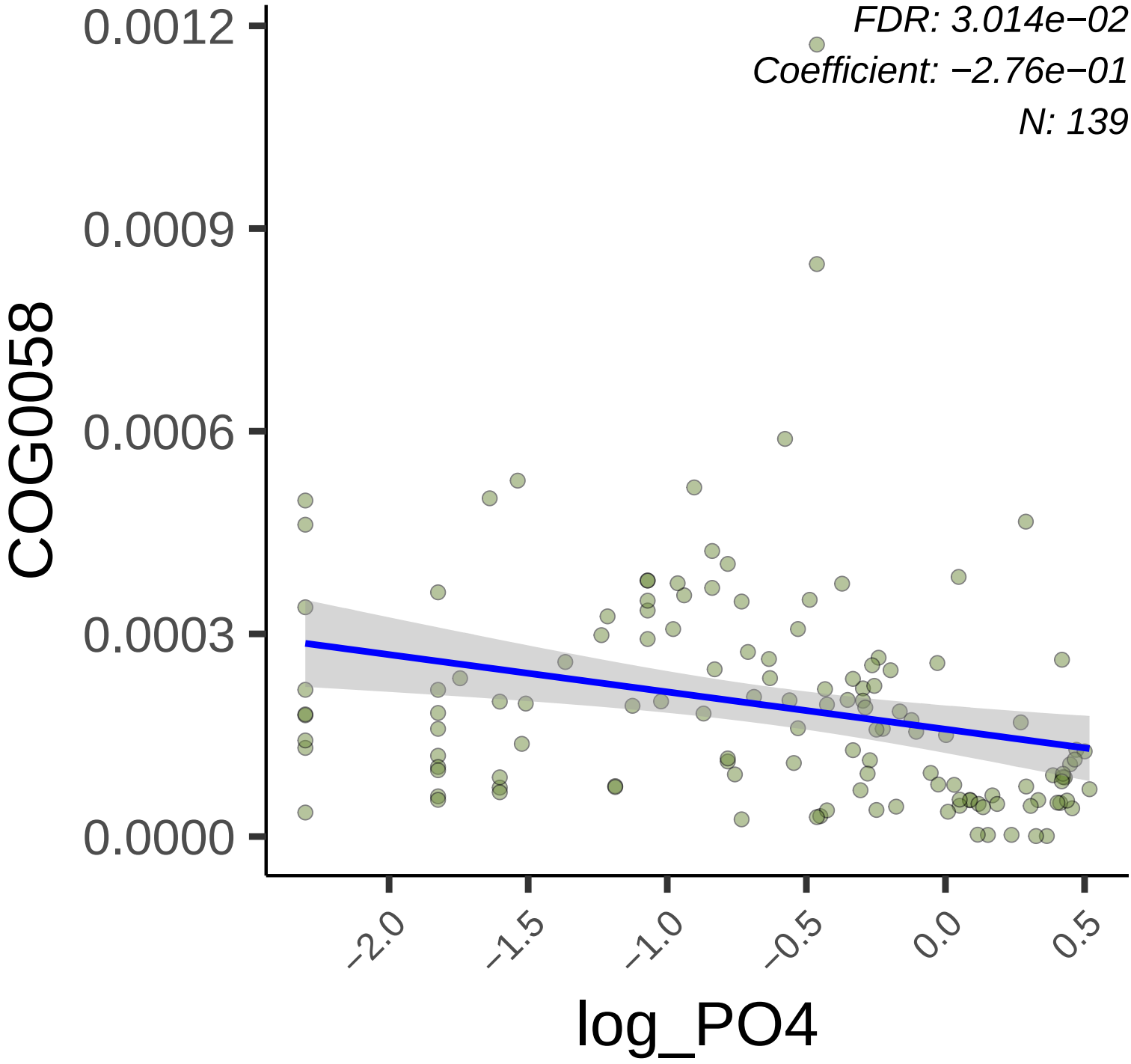
log_PO4


FDR: 3.014e−02
Coefficient: −2.76e−01
N: 139
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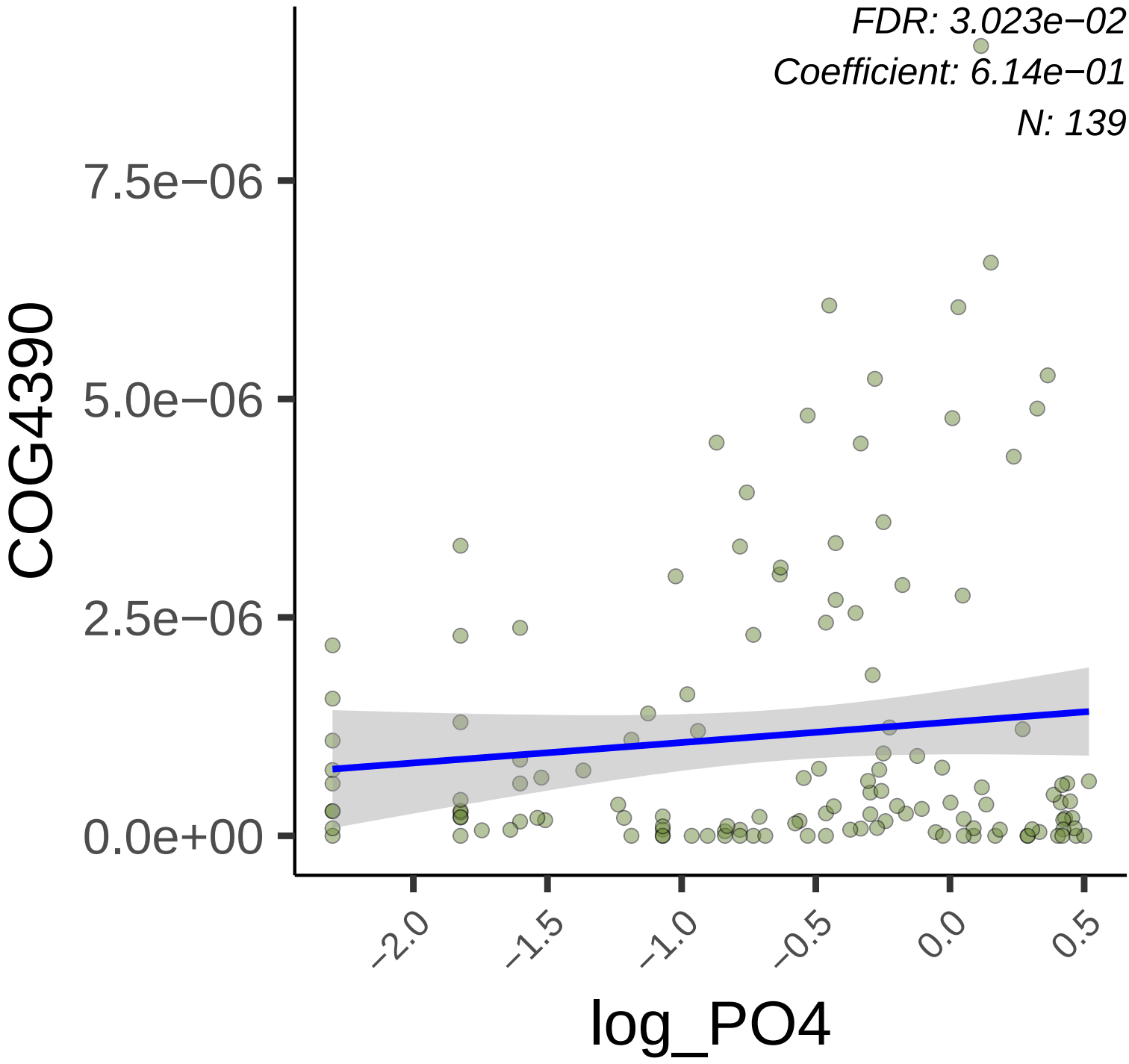
log_PO4


FDR: 3.023e−02
Coefficient: 6.14e−01
N: 139
COG4390
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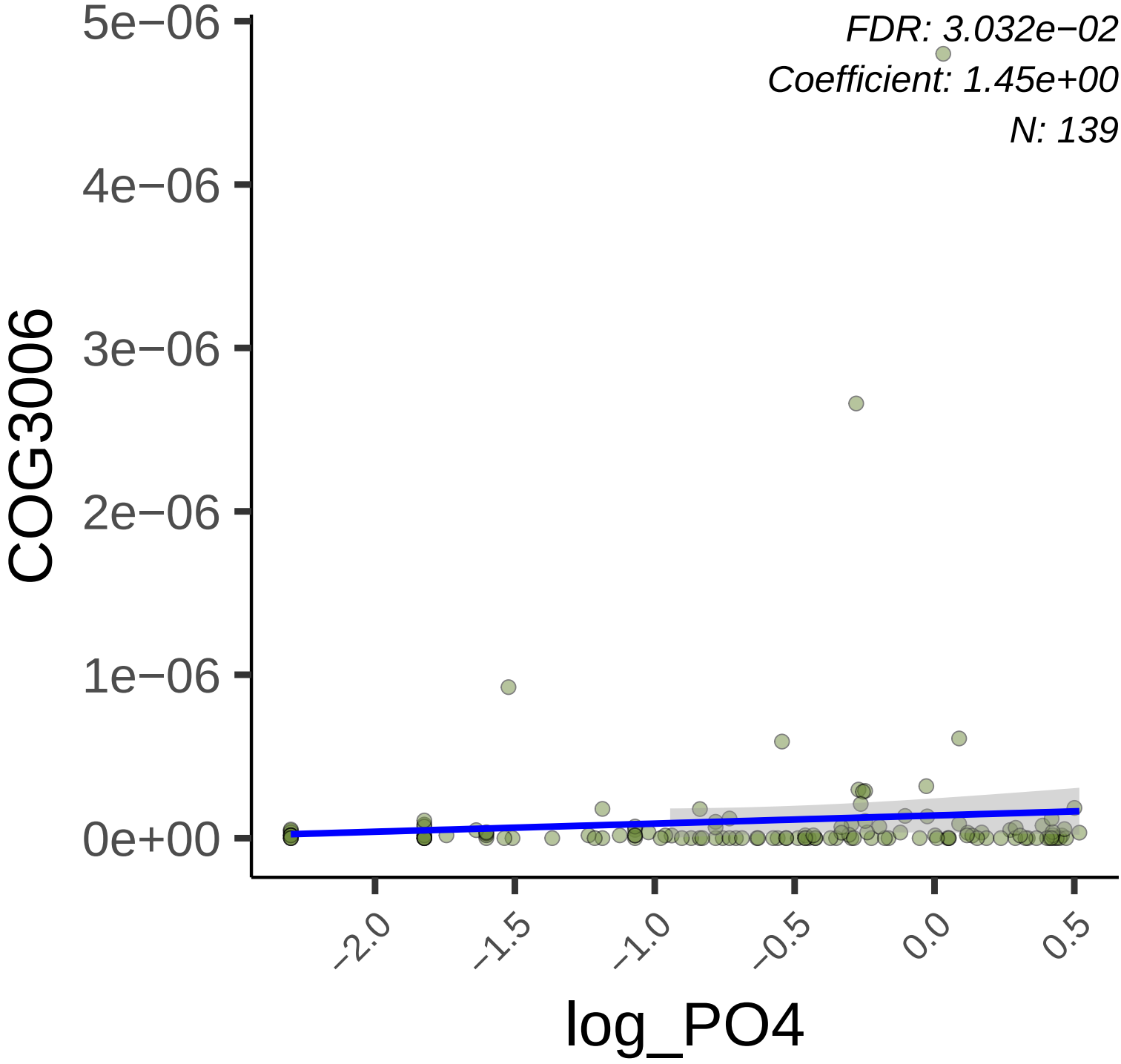
log_PO4


FDR: 3.032e−02
Coefficient: 1.45e+00
N: 139
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3e−06
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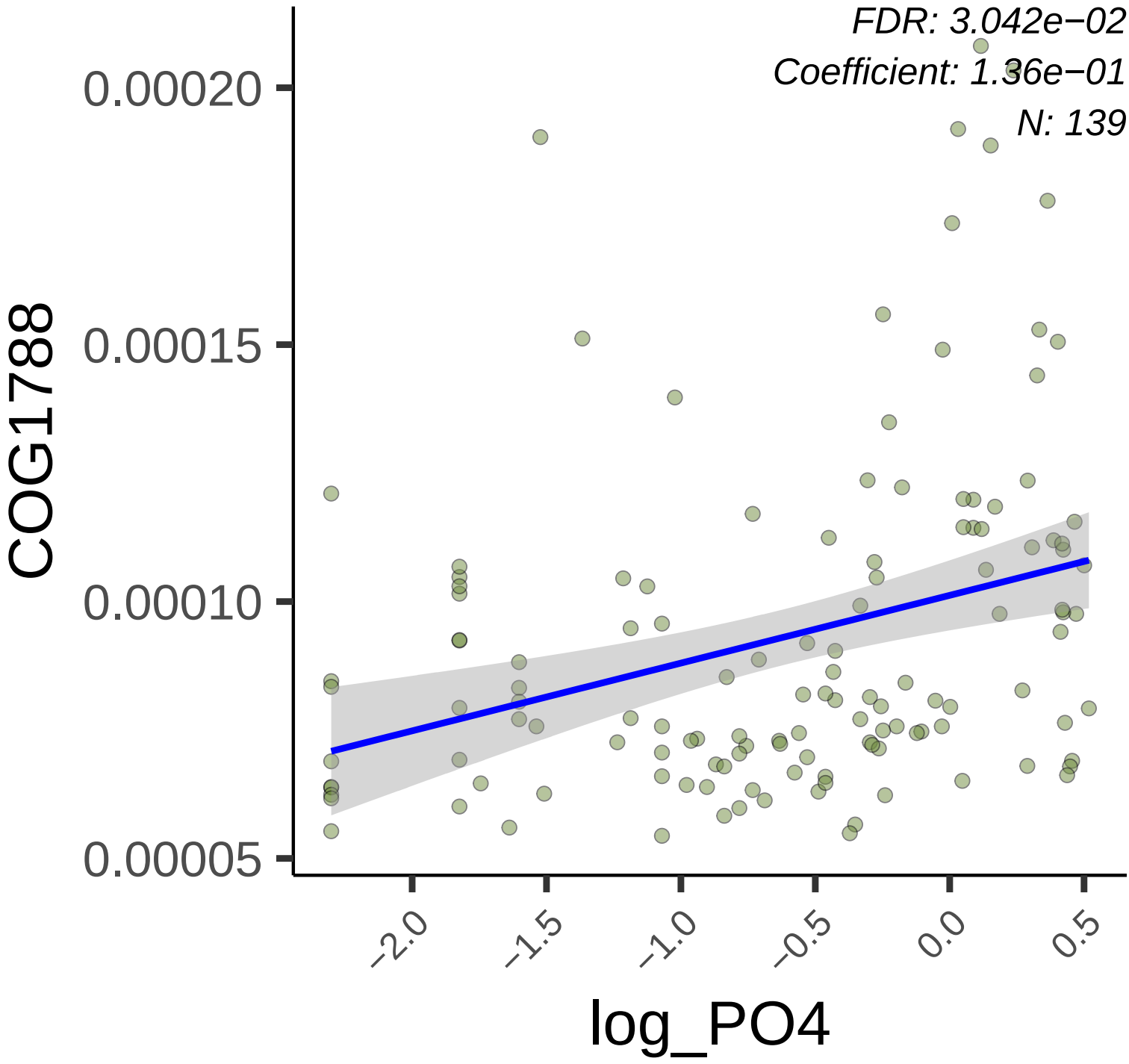
log_PO4


FDR: 3.042e−02
Coefficient: 1.36e−01
N: 139
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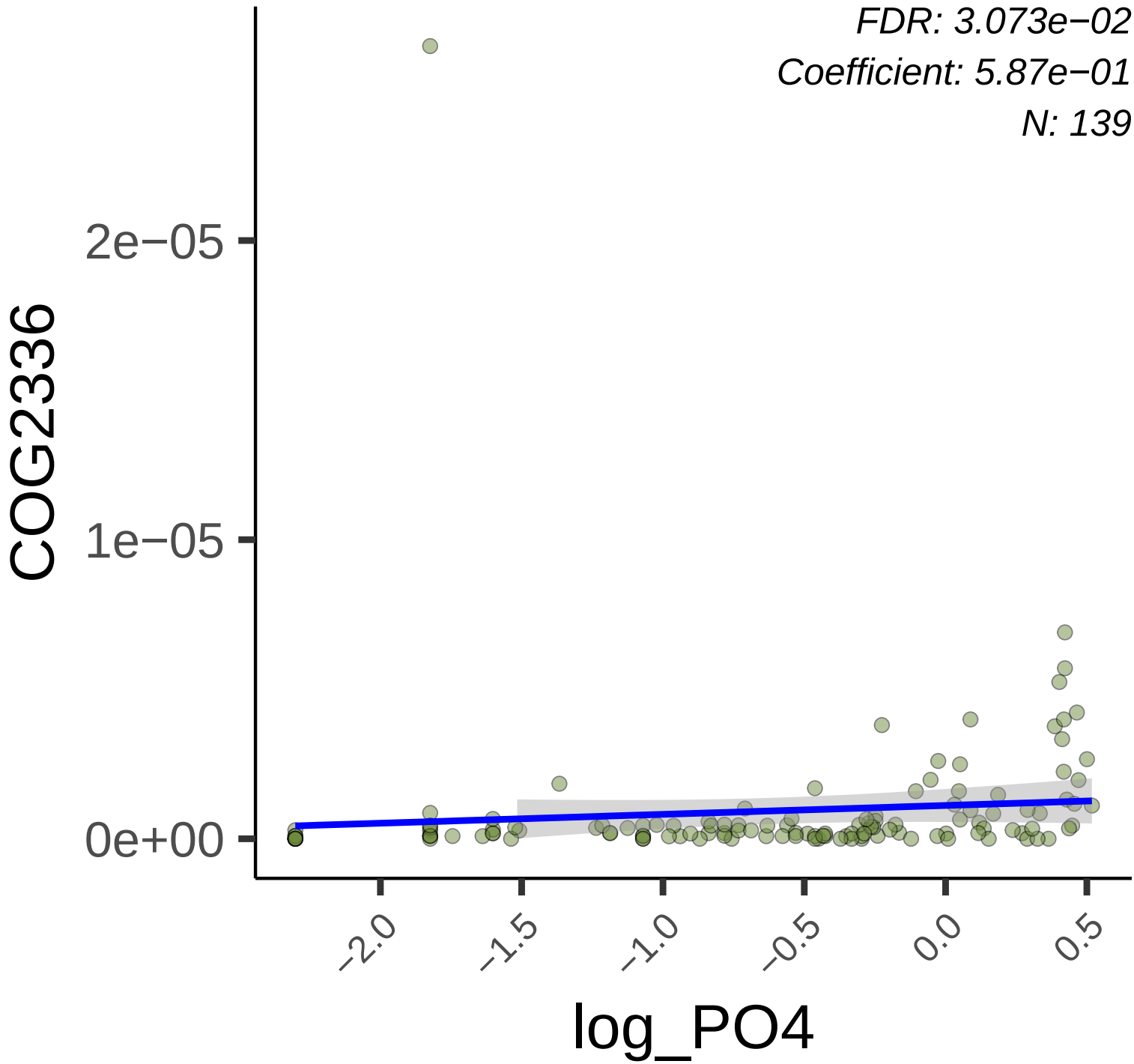
log_PO4


FDR: 3.073e−02
Coefficient: 5.87e−01
N: 139
COG2336
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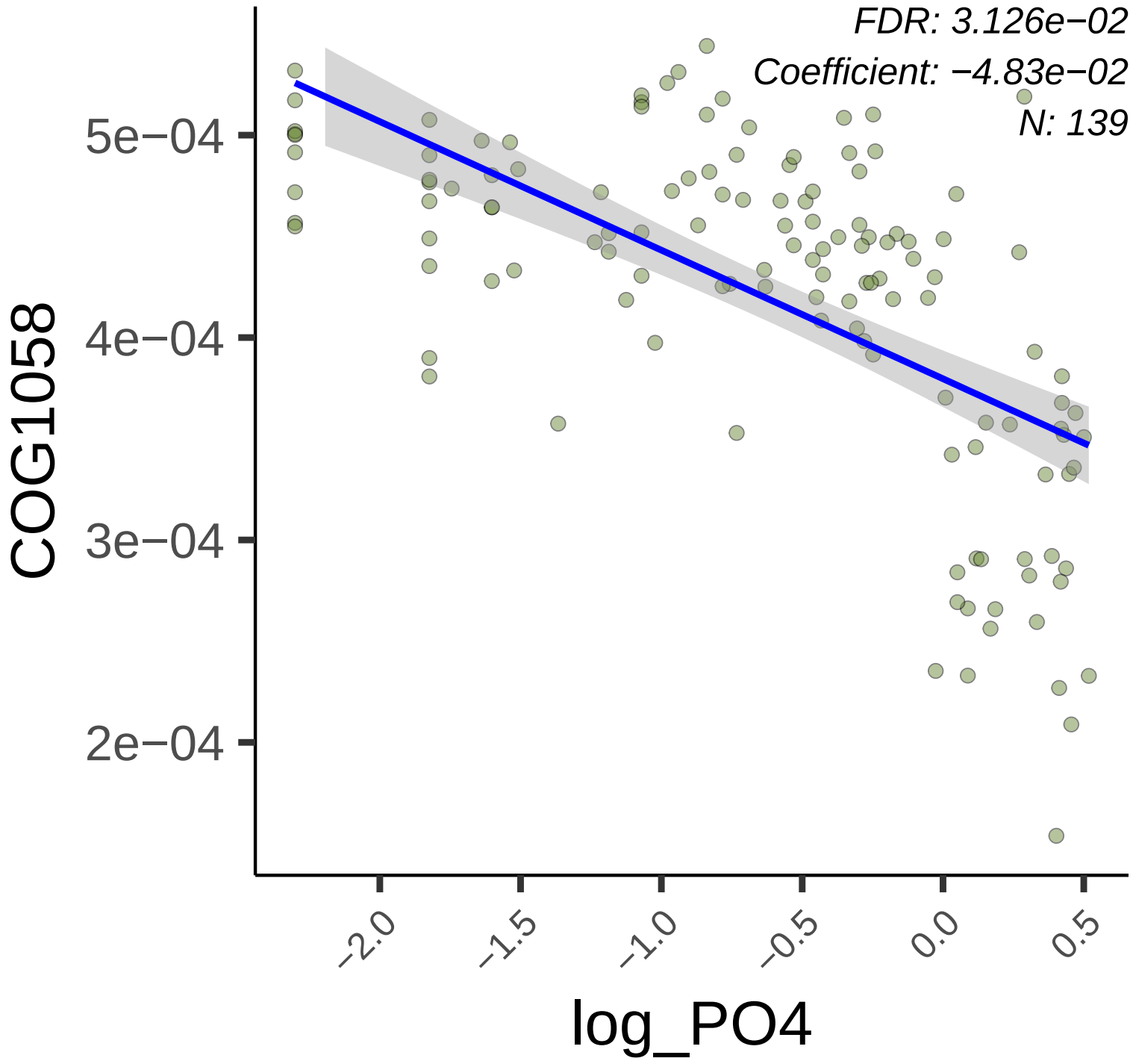
log_PO4


FDR: 3.126e−02
Coefficient: −4.83e−02
N: 139
COG1058
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3e−04
2e−04
−2.0
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−1.0
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0.0
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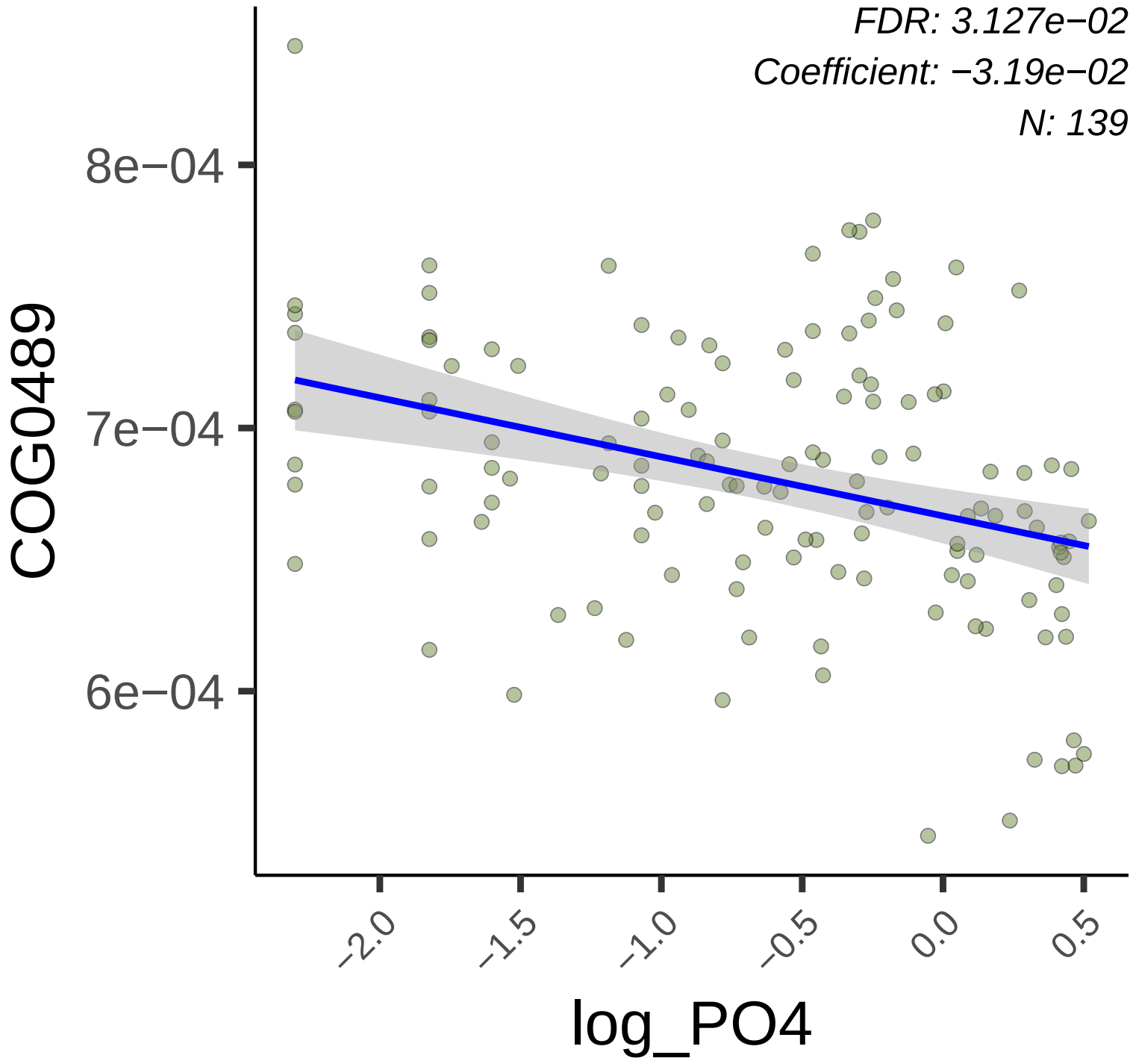
log_PO4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Coefficient: −3.19e−02
N: 139
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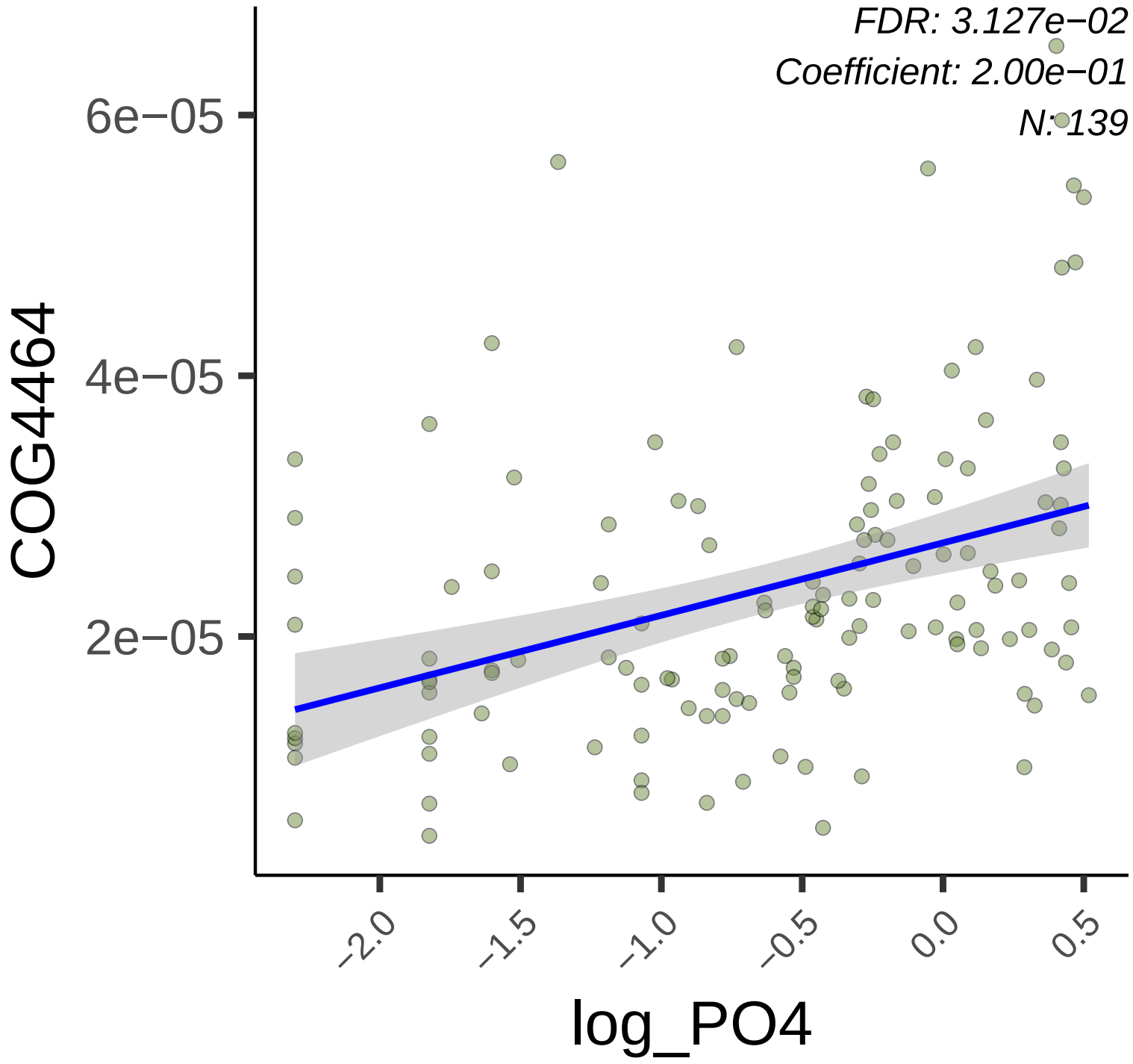
log_PO4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Coefficient: 2.00e−01
N: 139
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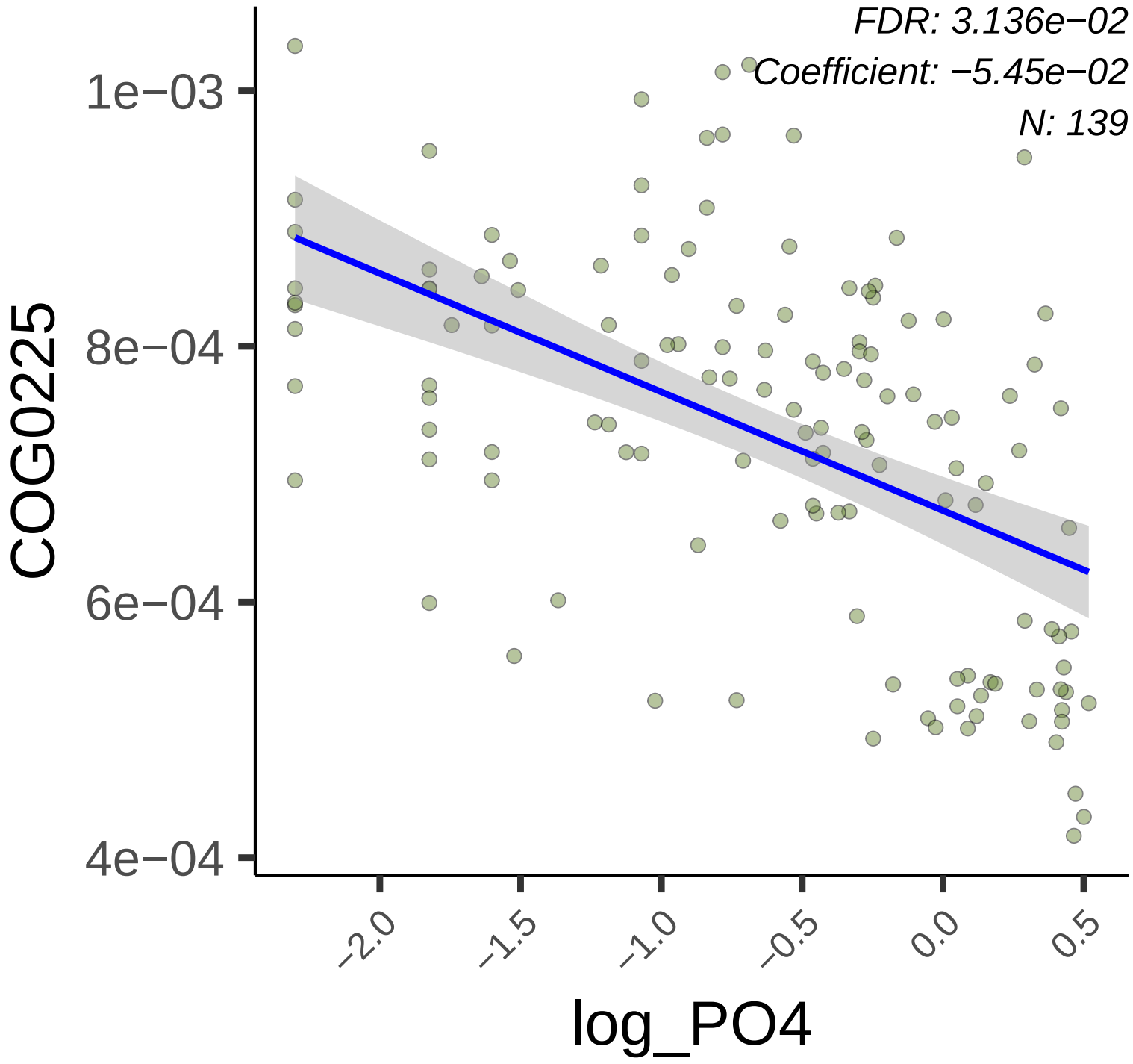
log_PO4


FDR: 3.136e−02
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N: 139
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COG0225
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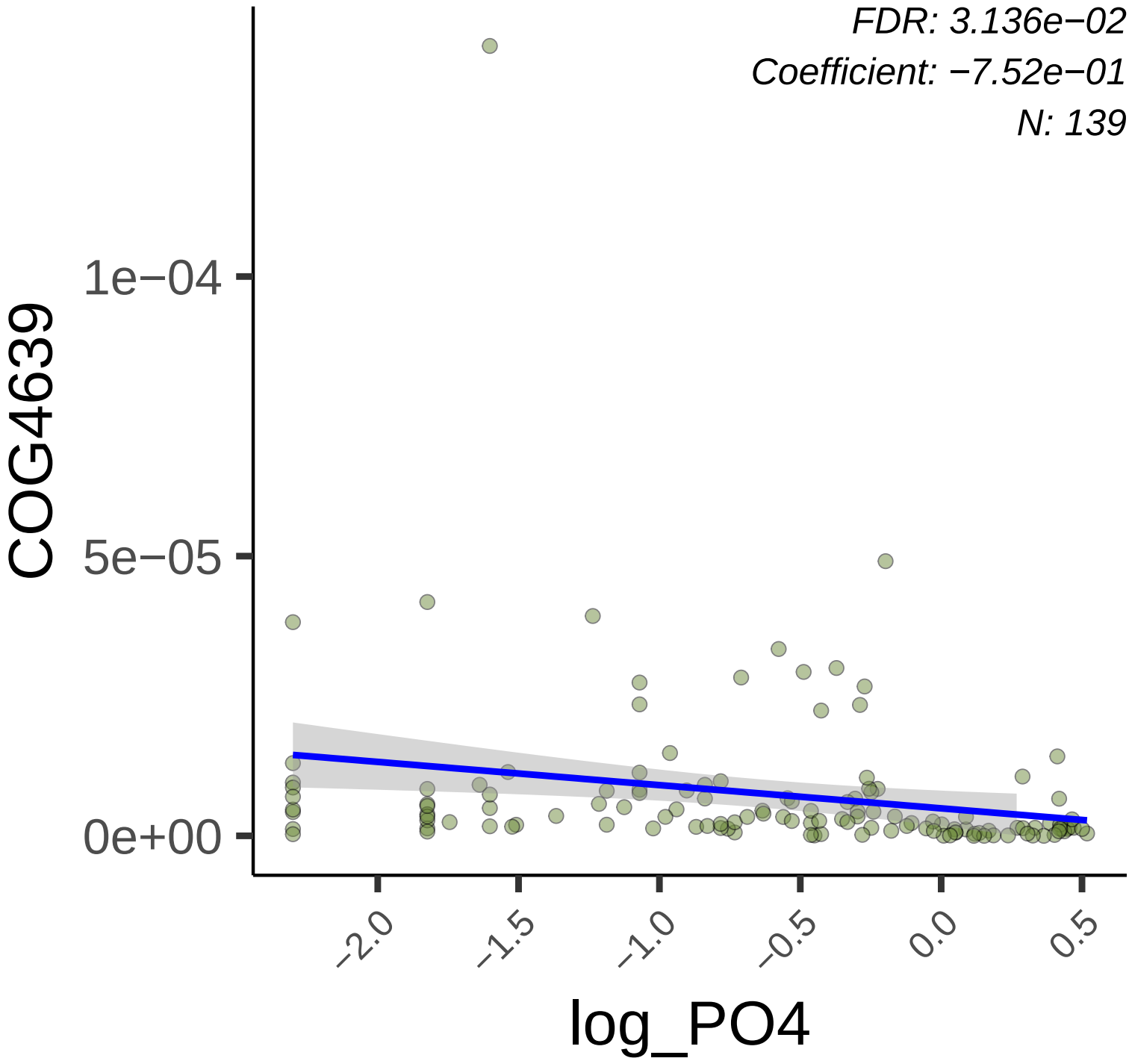
log_PO4


FDR: 3.136e−02
Coefficient: −7.52e−01
N: 139
COG4639
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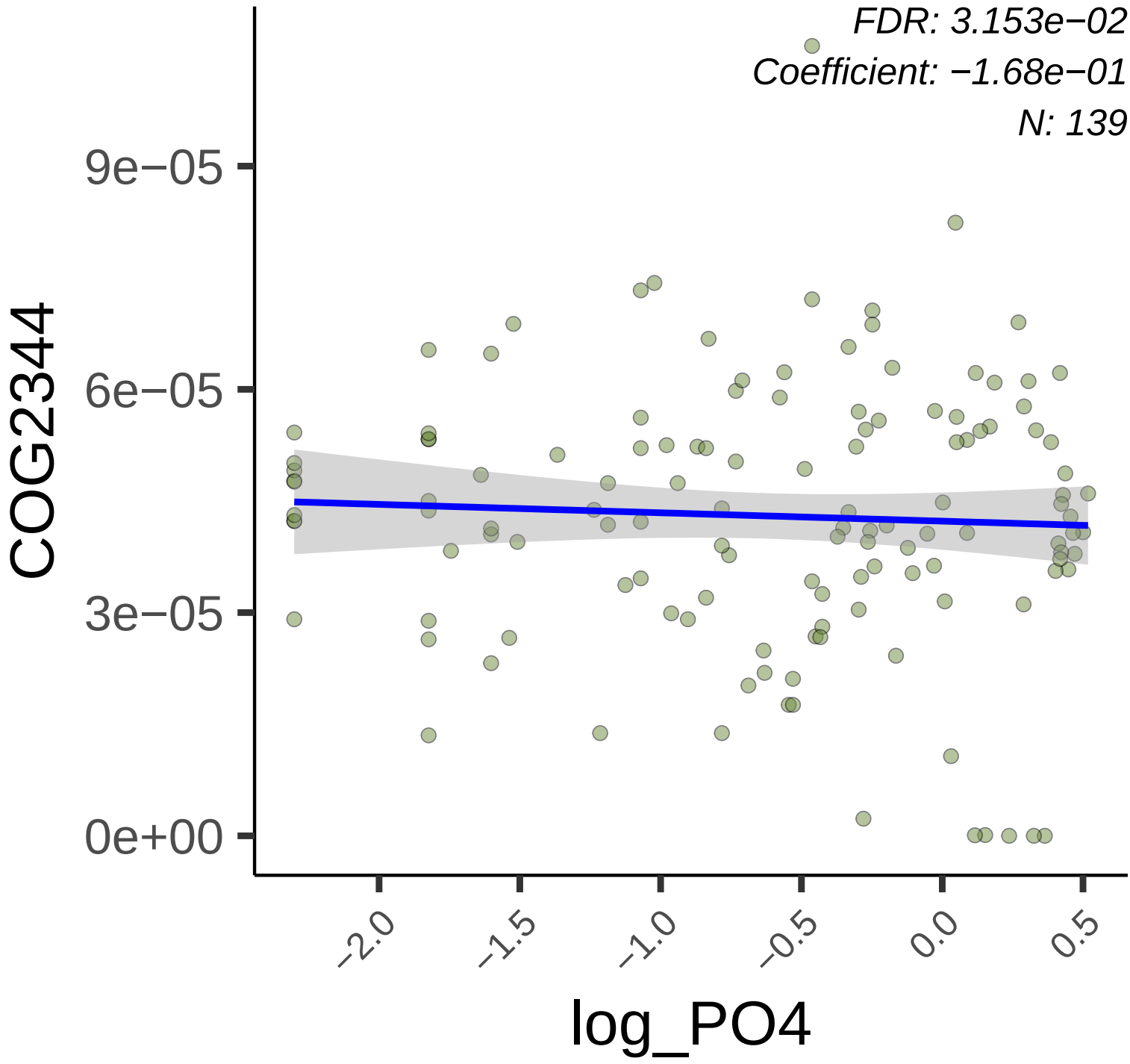
log_PO4


FDR: 3.153e−02
Coefficient: −1.68e−01
N: 139
COG2344
9e−05
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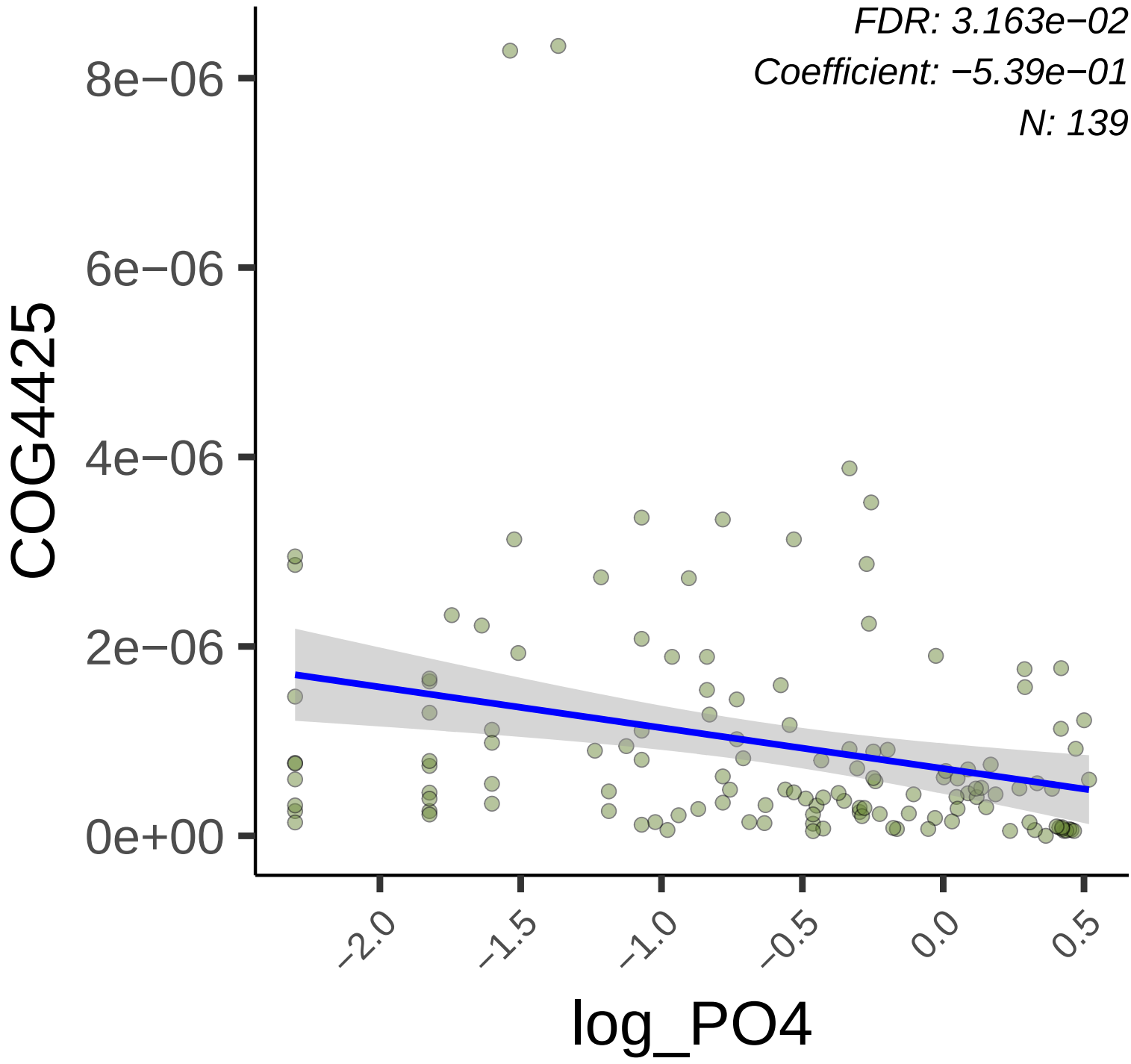
log_PO4


FDR: 3.163e−02
Coefficient: −5.39e−01
N: 139
COG4425
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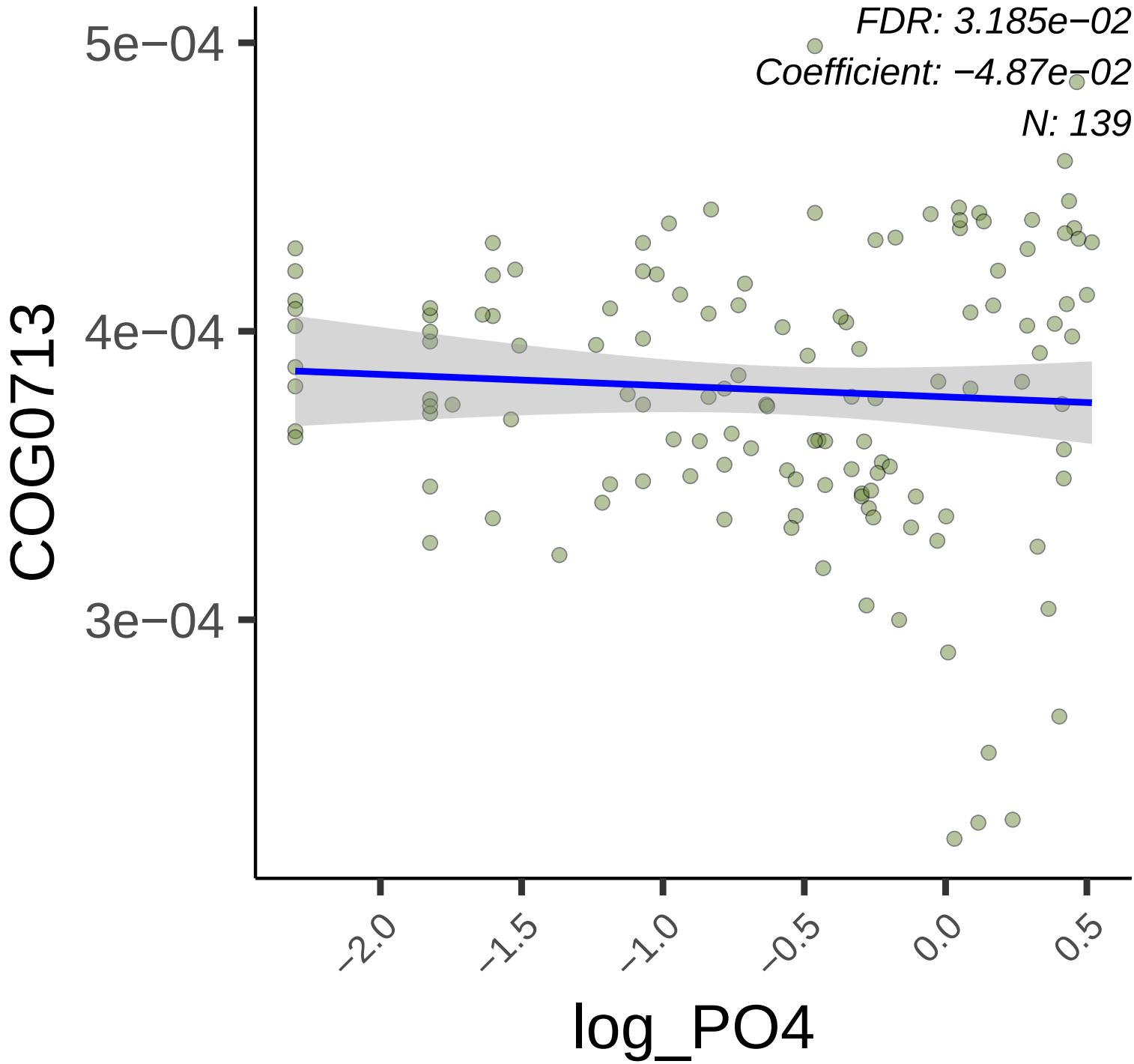
log_PO4


FDR: 3.185e−02
Coefficient: −4.87e−02
N: 139
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COG0713
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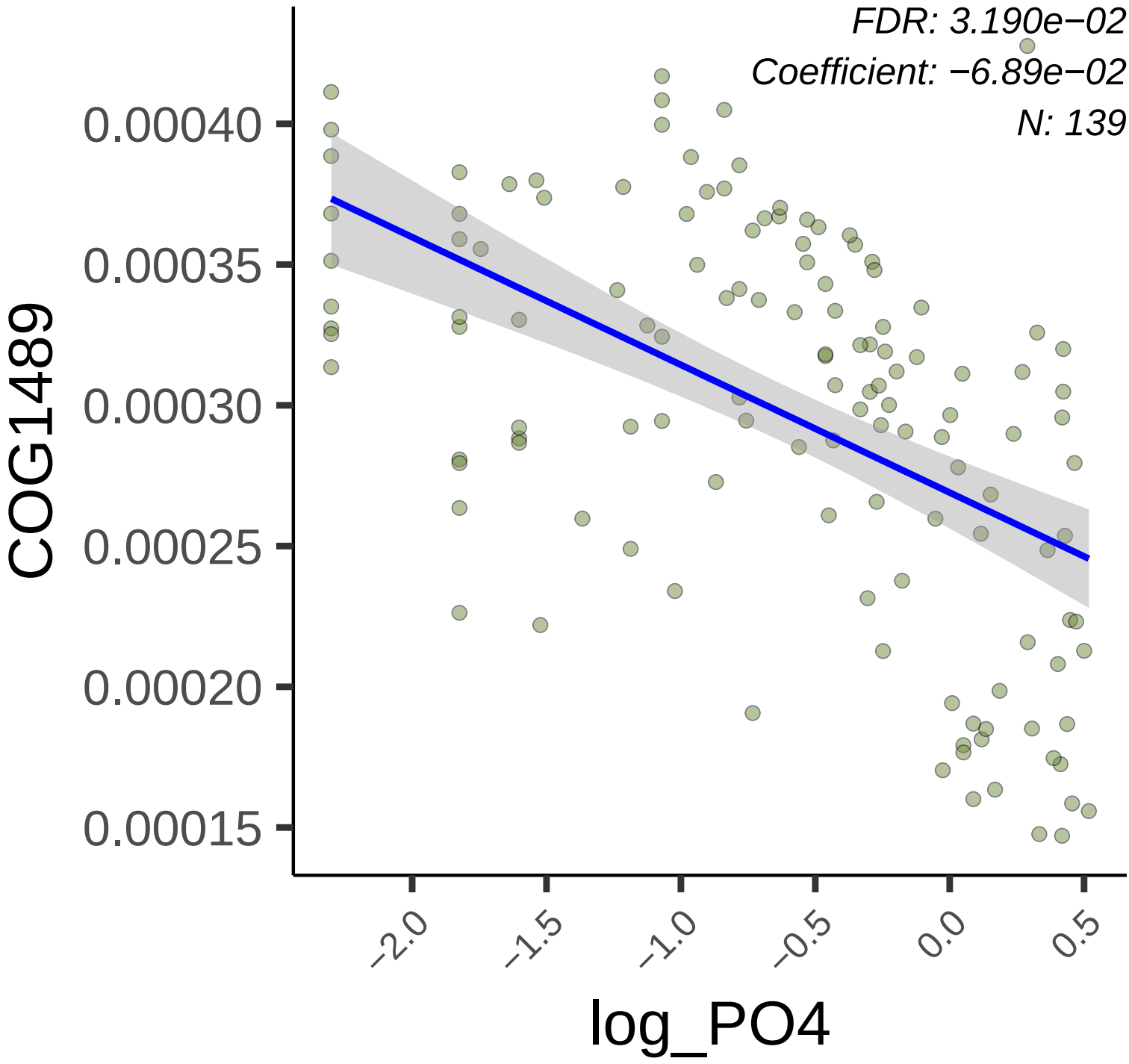
log_PO4


FDR: 3.190e−02
Coefficient: −6.89e−02
N: 139
COG1489
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0.00015
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−1.5
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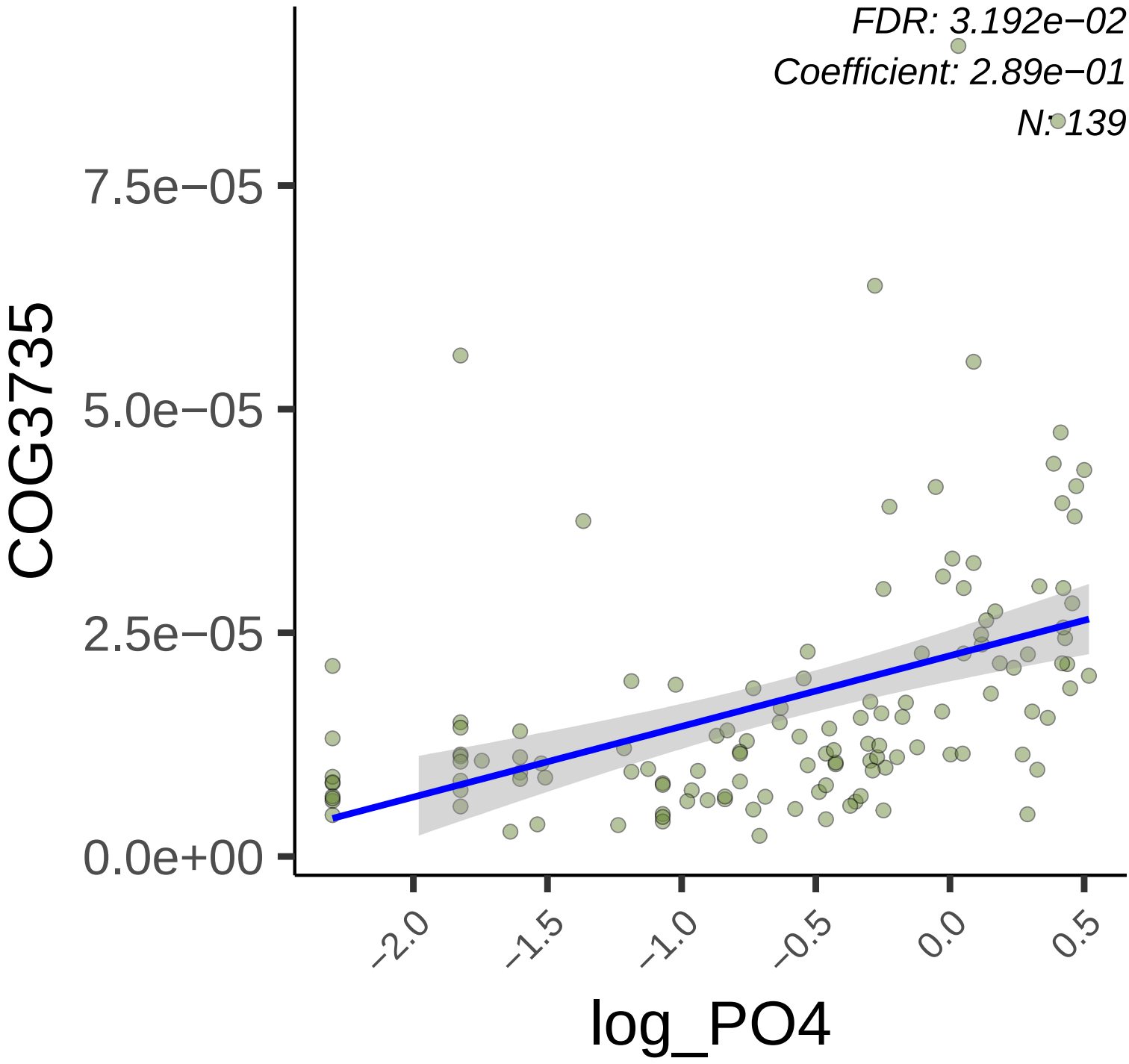
log_PO4


FDR: 3.192e−02
Coefficient: 2.89e−01
N: 139
COG3735
7.5e−05
5.0e−05
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0.0e+00
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−1.5
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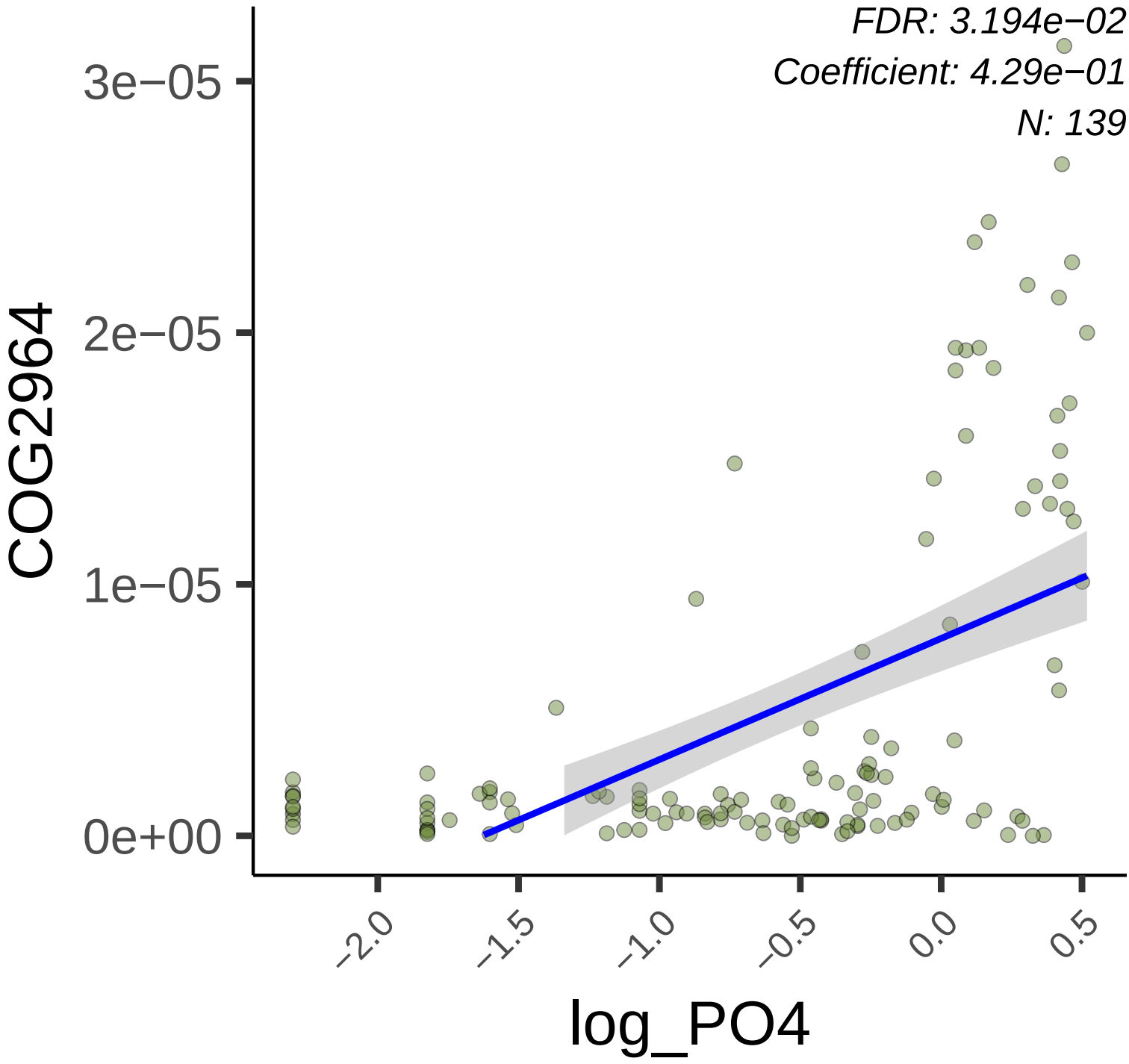
log_PO4


FDR: 3.194e−02
Coefficient: 4.29e−01
N: 139
COG2964
3e−05
2e−05
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0e+00
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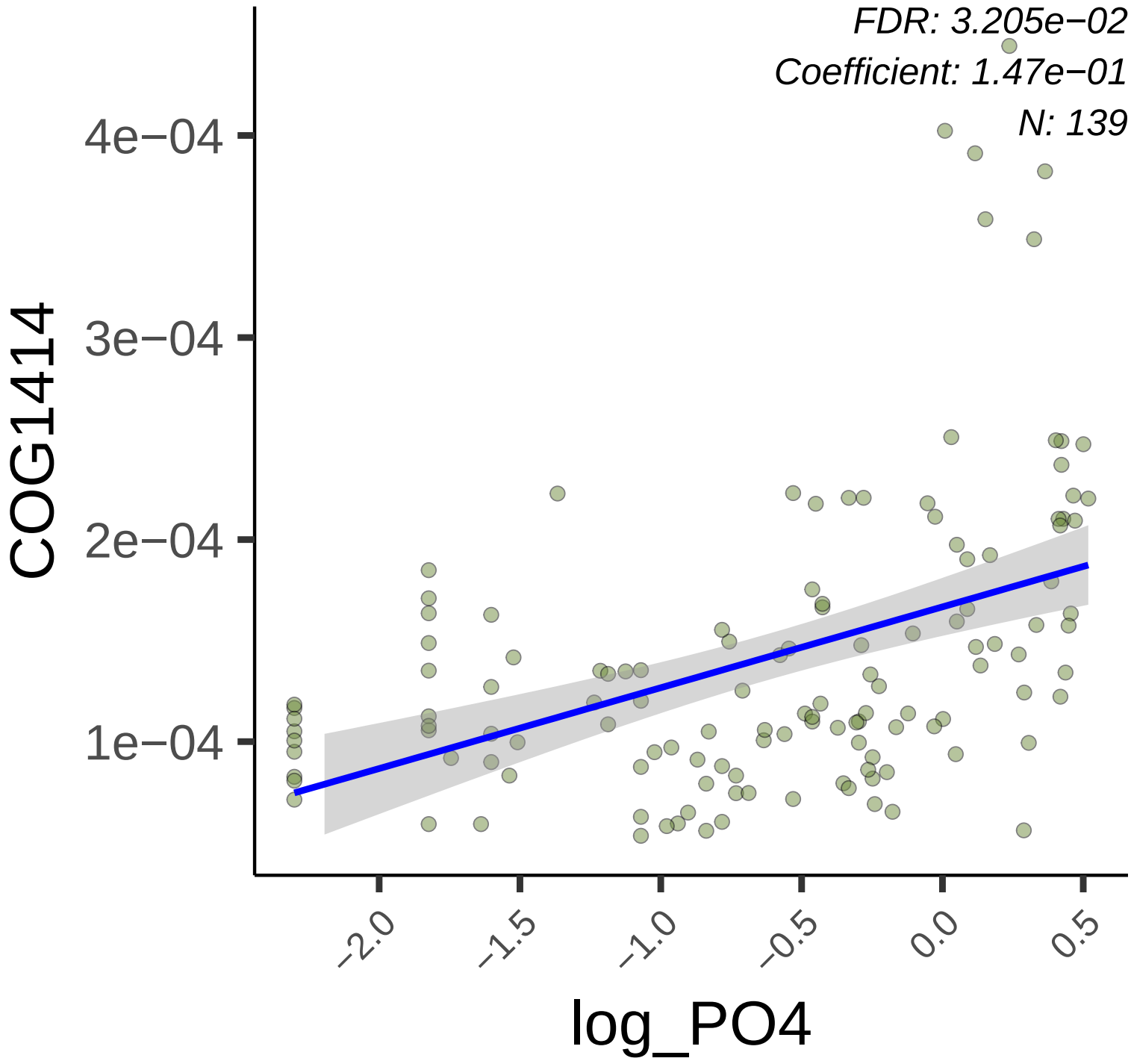
log_PO4


FDR: 3.205e−02
Coefficient: 1.47e−01
N: 139
COG1414
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−1.5
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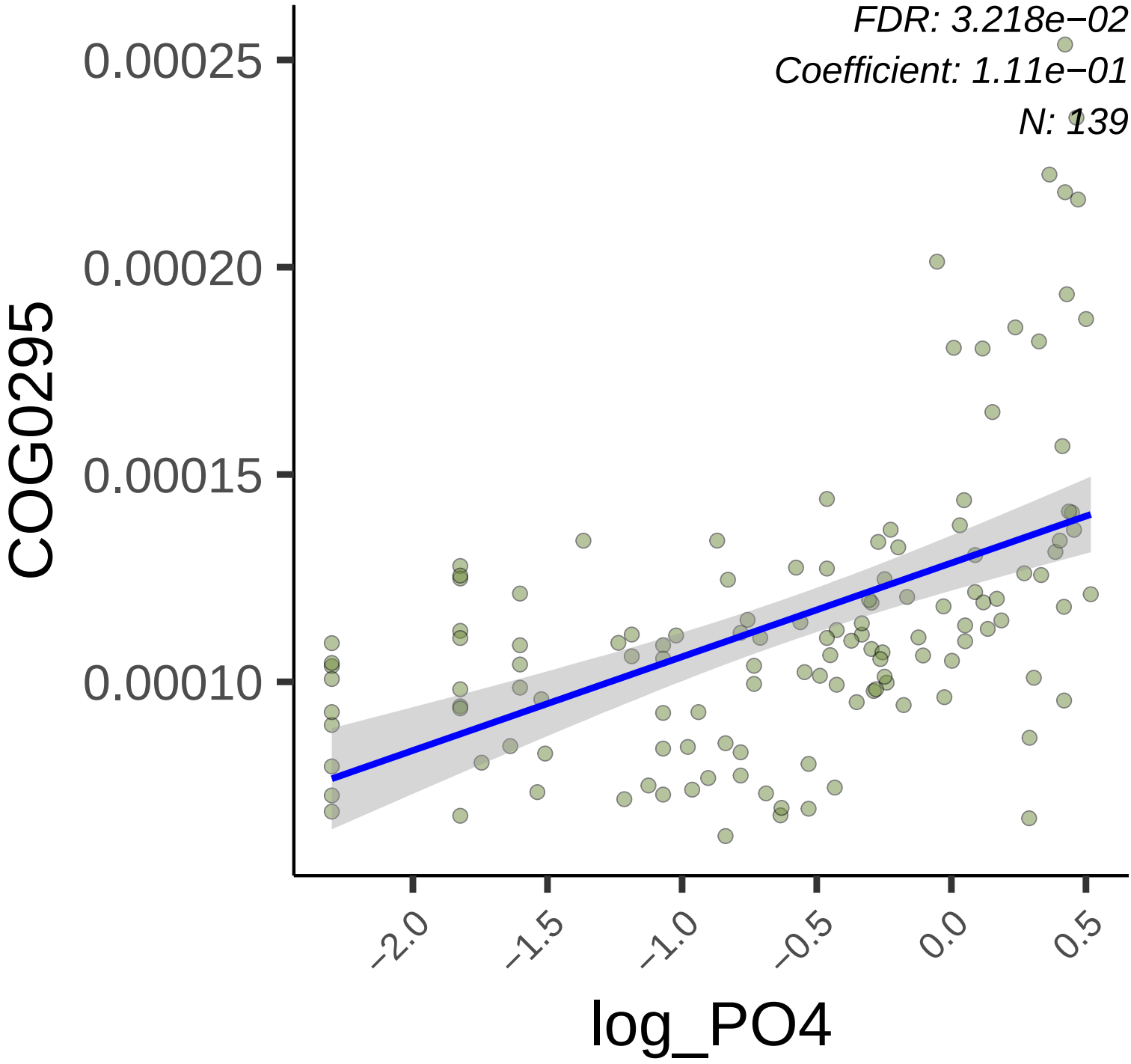
log_PO4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Coefficient: 1.11e−01
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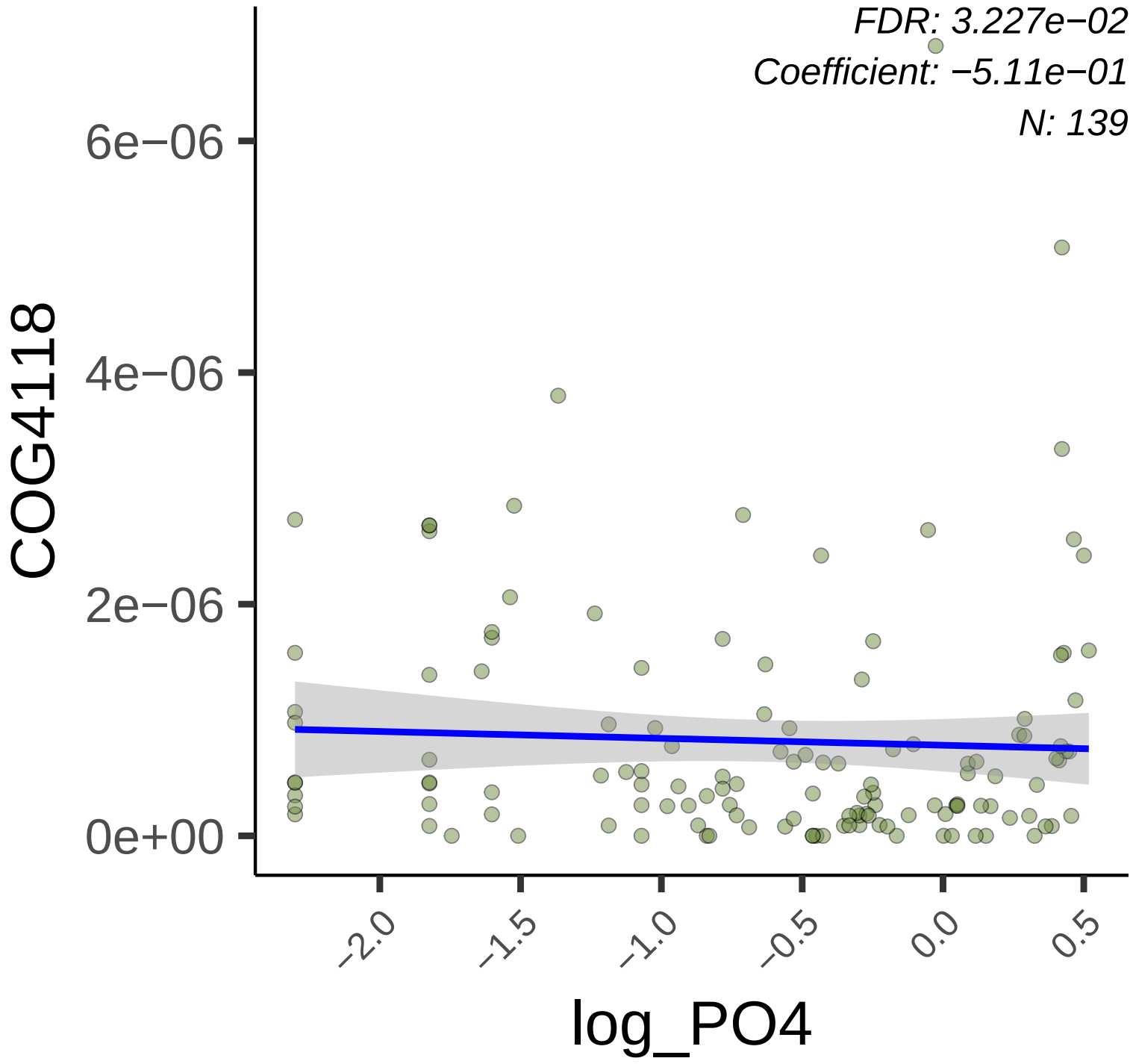
log_PO4


FDR: 3.227e−02
Coefficient: −5.11e−01
N: 139
COG4118
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4e−06
2e−06
0e+00
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−1.5
−1.0
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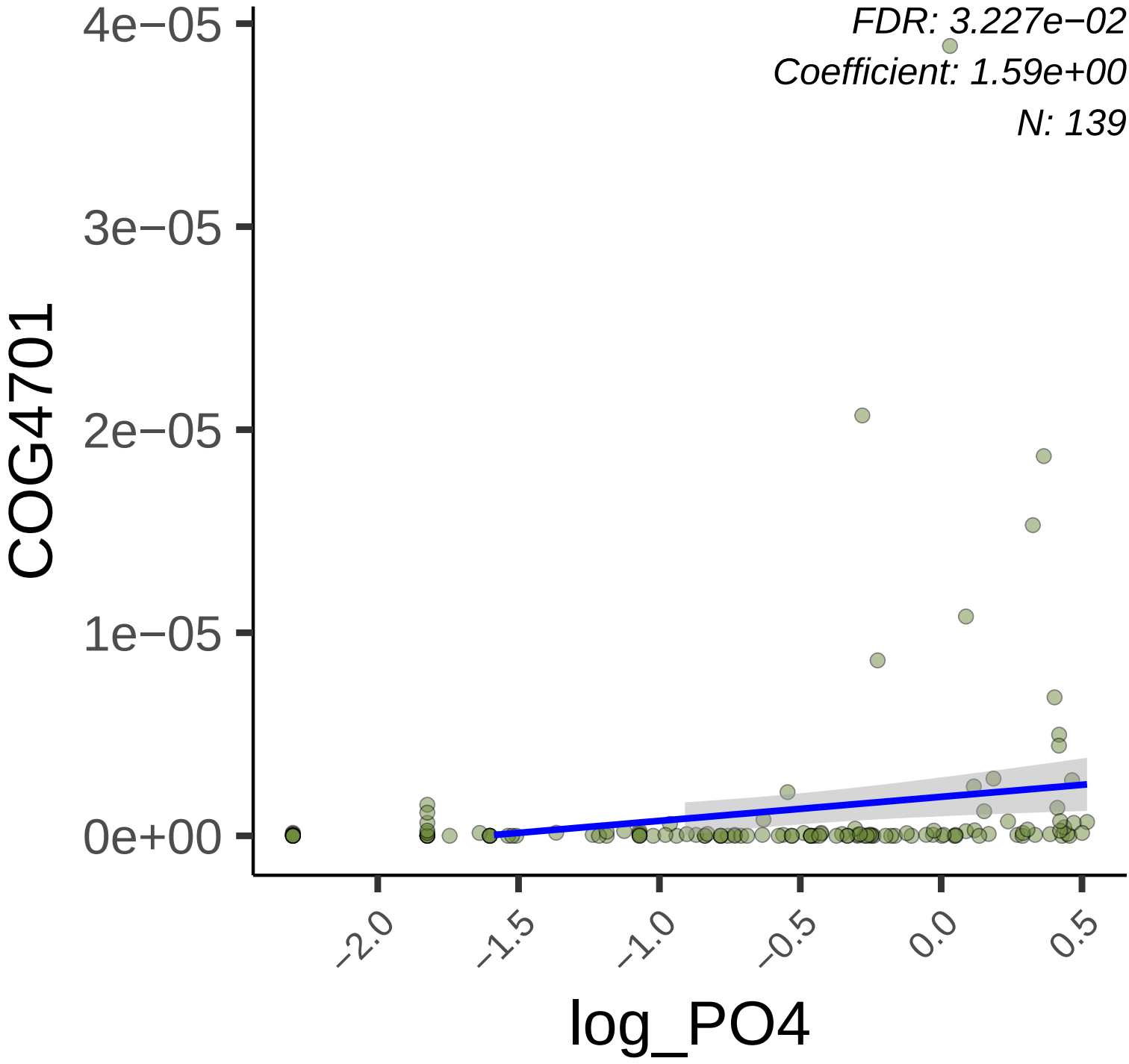
log_PO4


FDR: 3.227e−02
Coefficient: 1.59e+00
N: 139
COG4701
4e−05
3e−05
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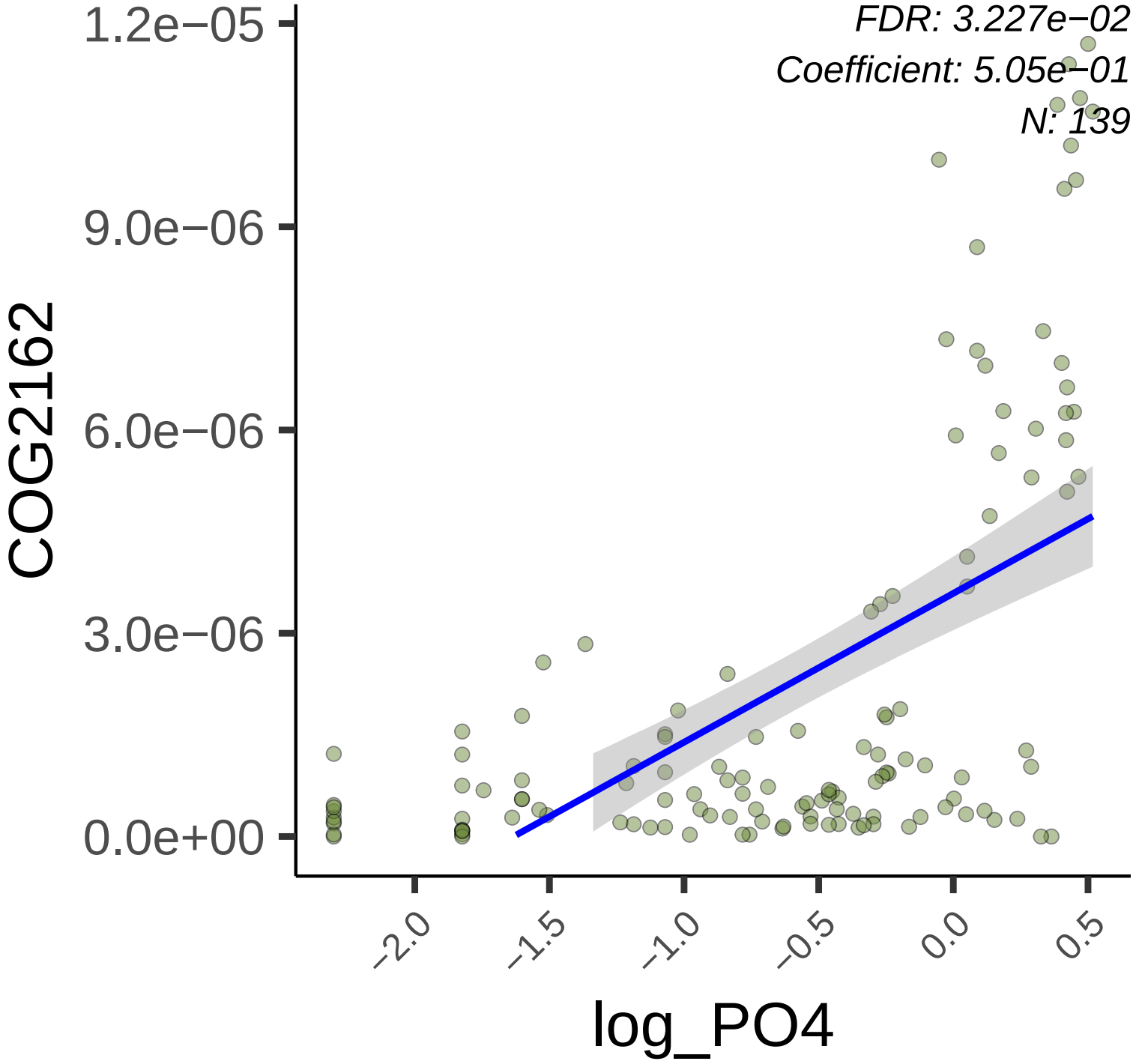
log_PO4


FDR: 3.227e−02
Coefficient: 5.05e−01
N: 139
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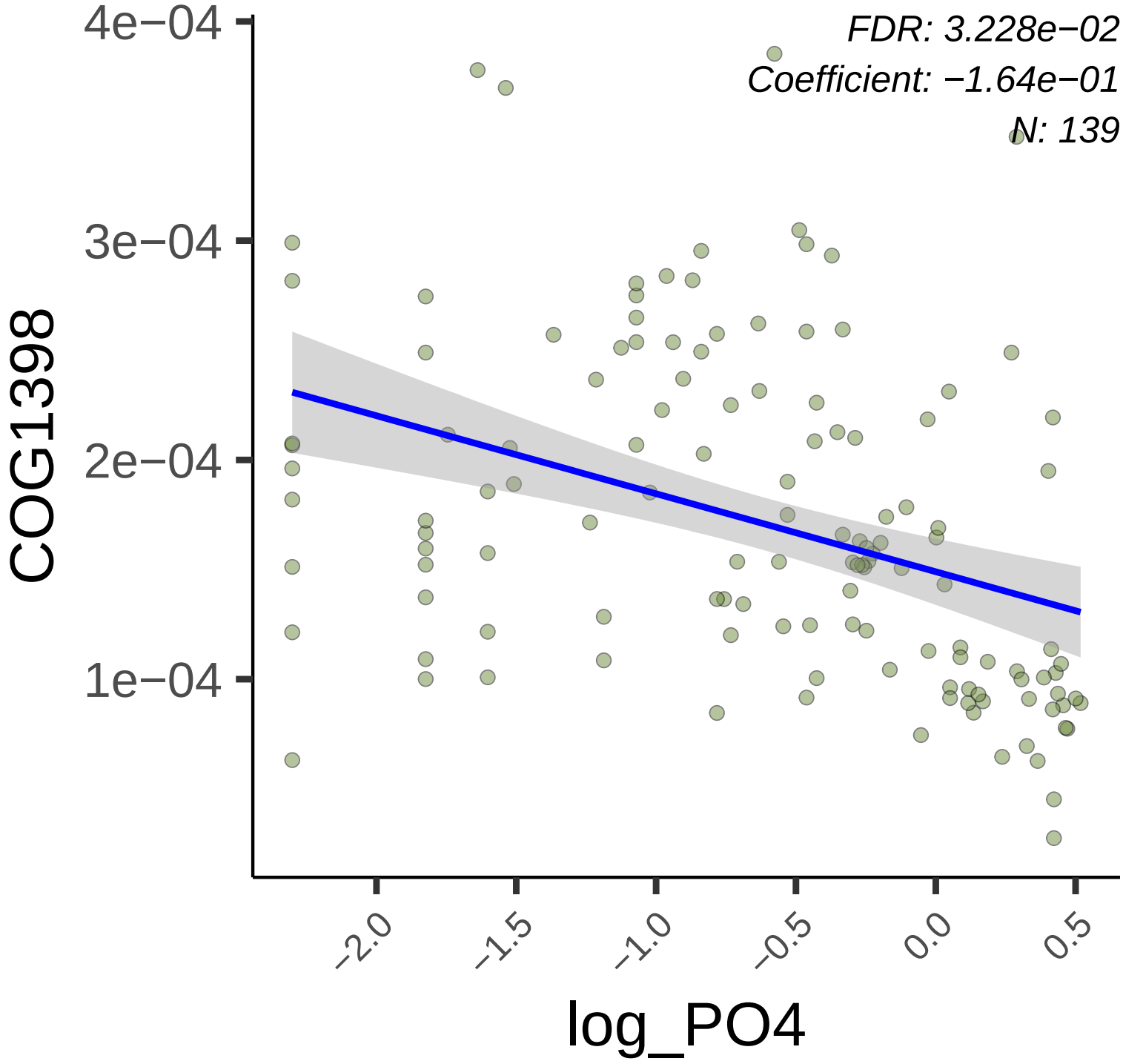
log_PO4


FDR: 3.228e−02
Coefficient: −1.64e−01
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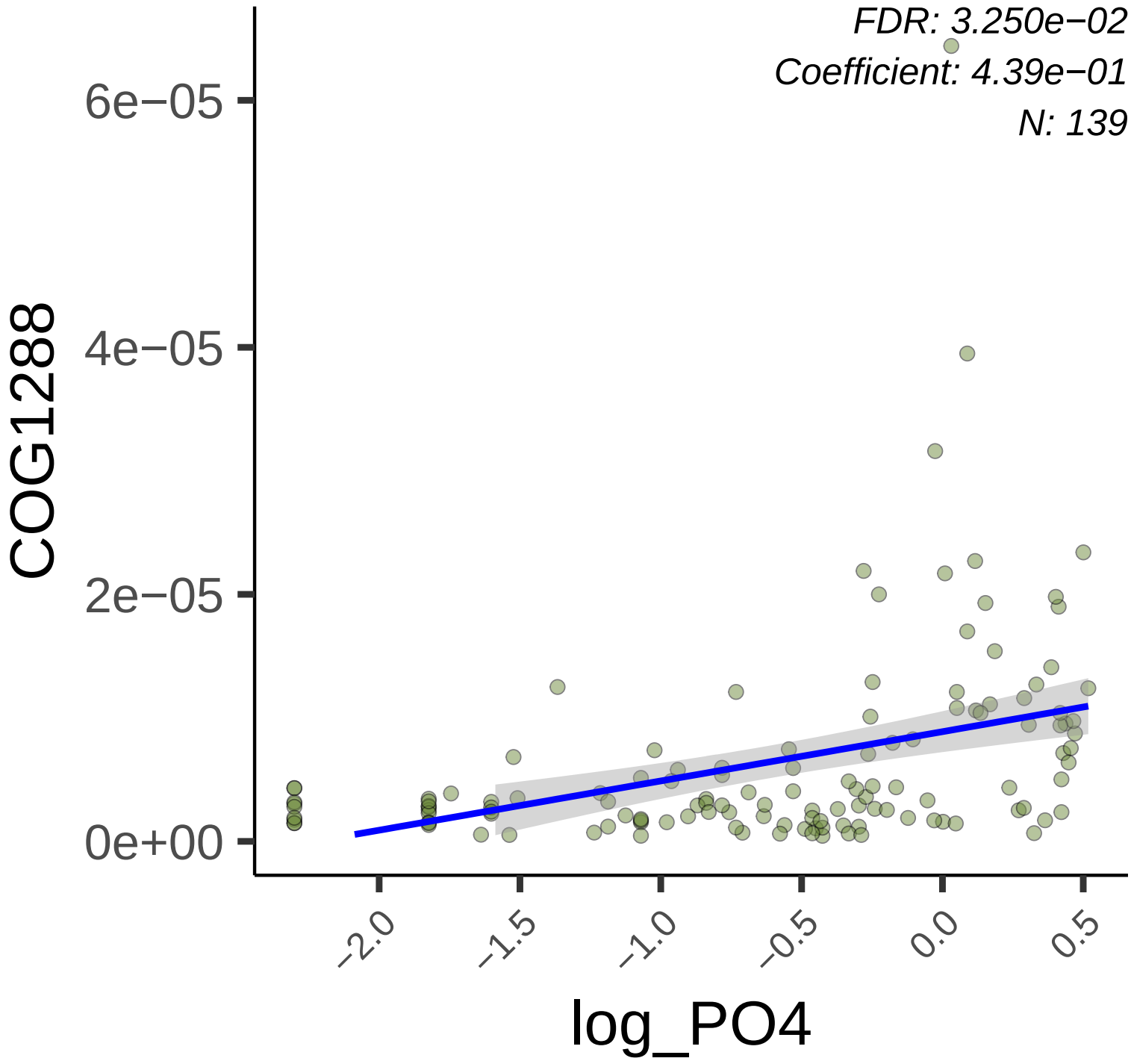
log_PO4


FDR: 3.250e−02
Coefficient: 4.39e−01
N: 139
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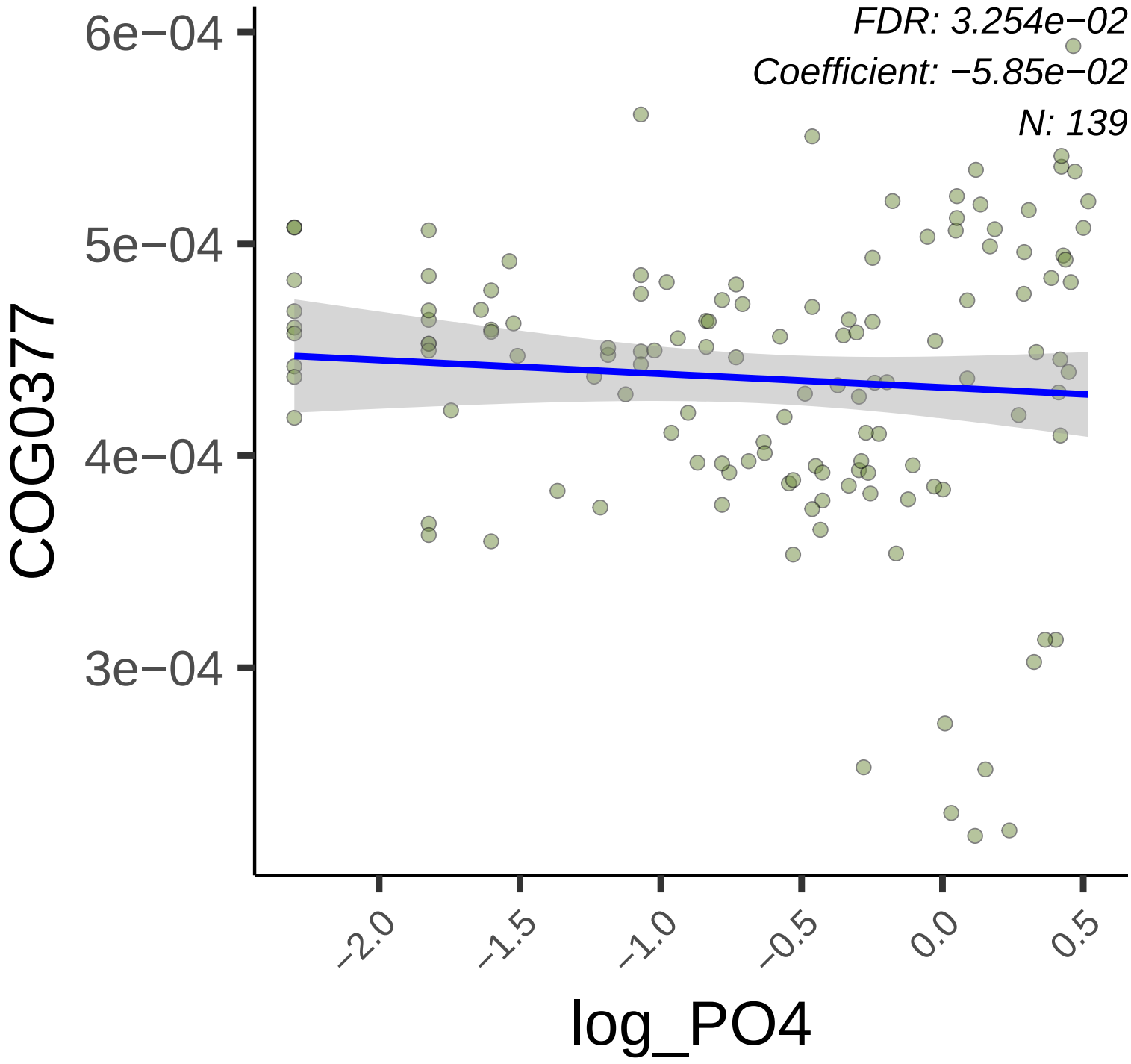
log_PO4


FDR: 3.254e−02
Coefficient: −5.85e−02
N: 139
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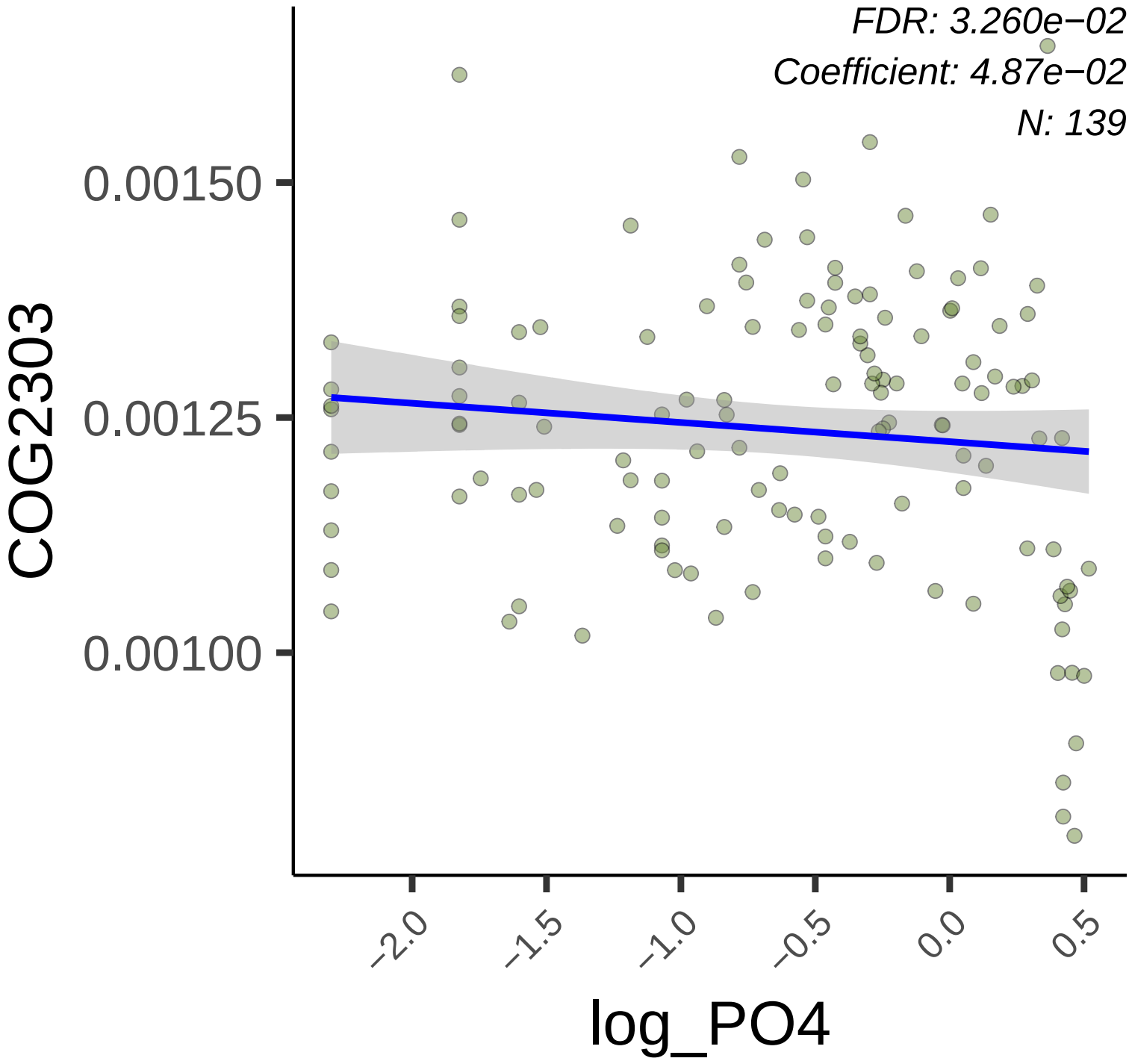
log_PO4


FDR: 3.260e−02
Coefficient: 4.87e−02
N: 139
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COG2303
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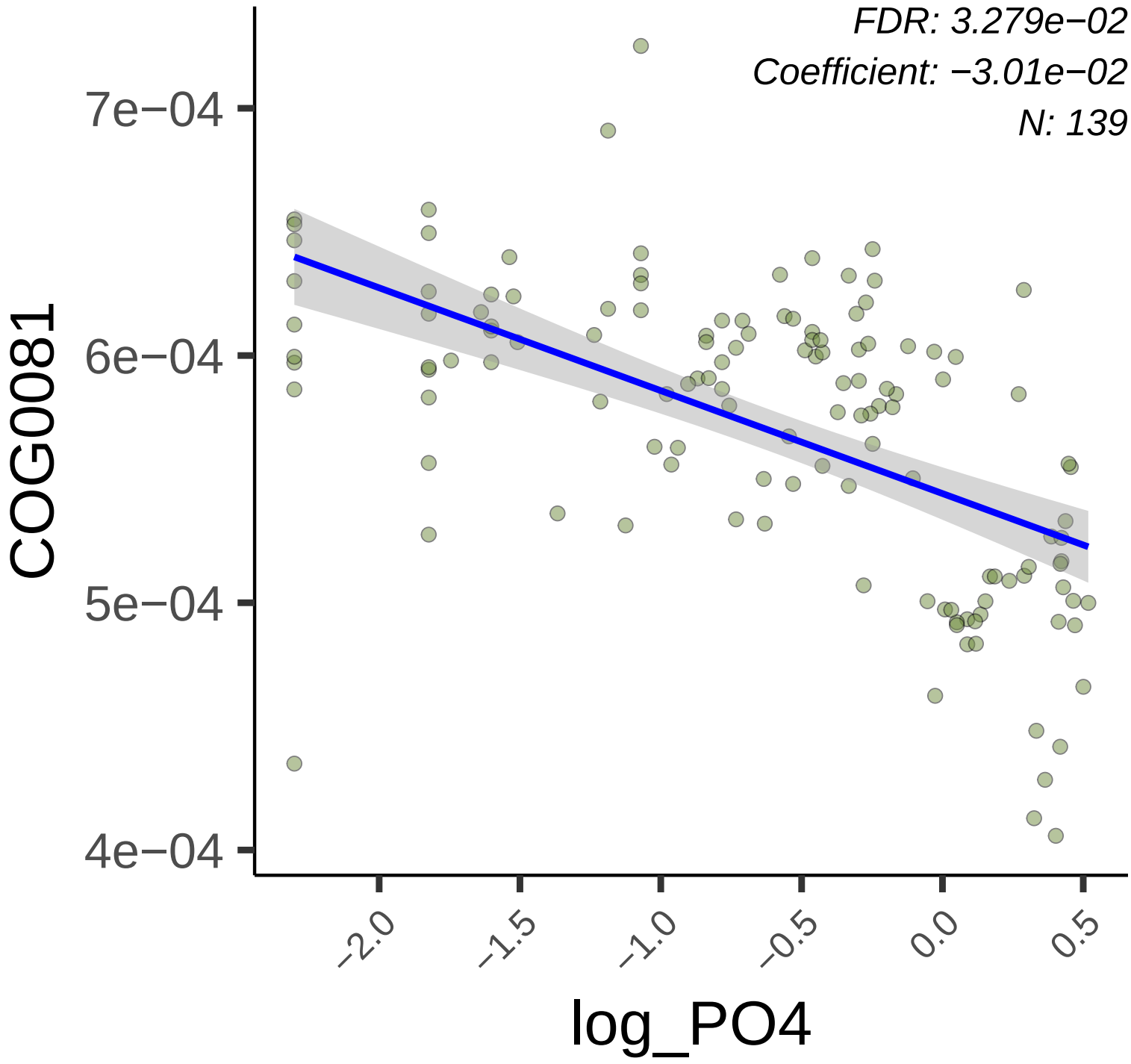
log_PO4


FDR: 3.279e−02
Coefficient: −3.01e−02
N: 139
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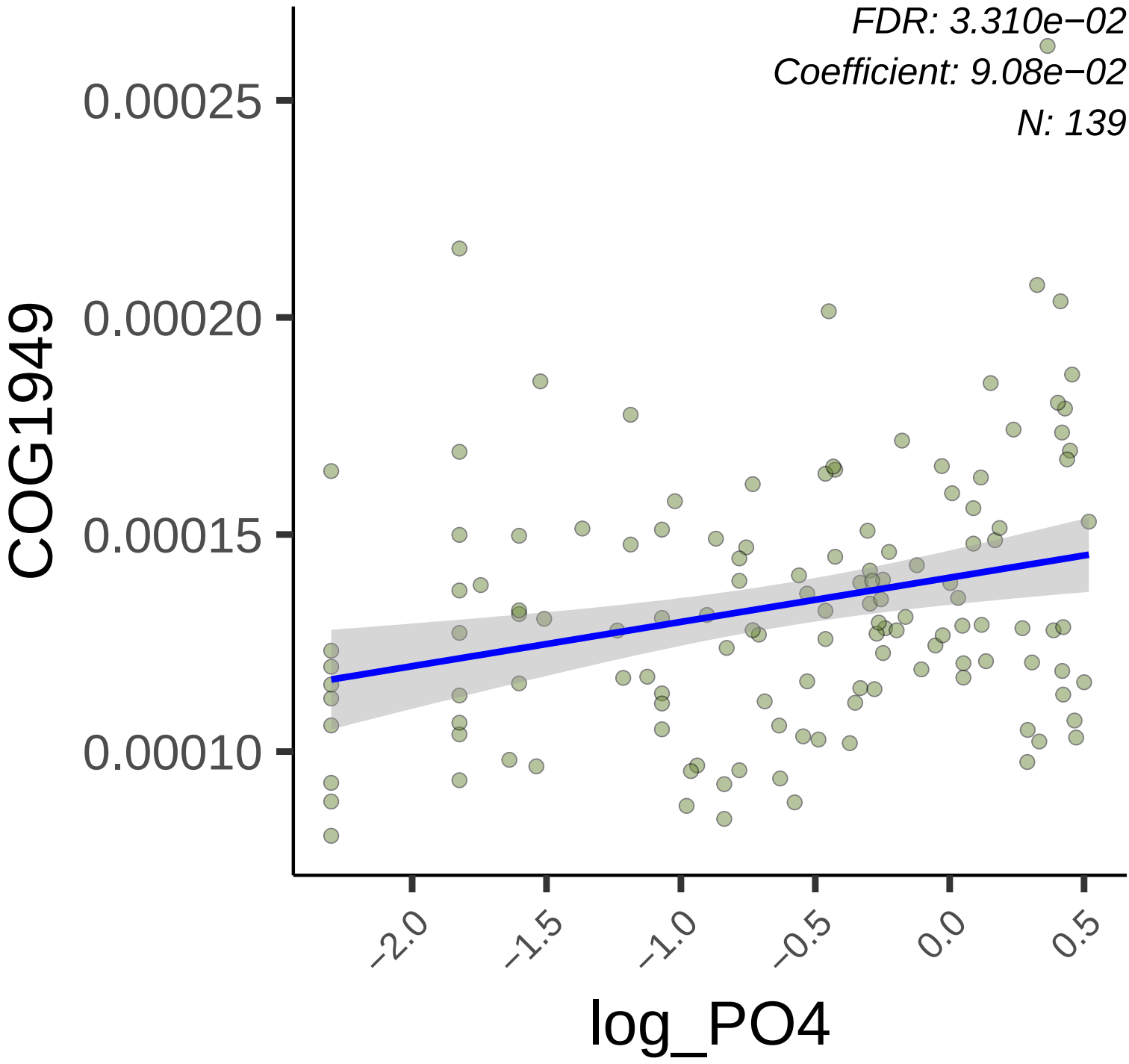
log_PO4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Coefficient: 9.08e−02
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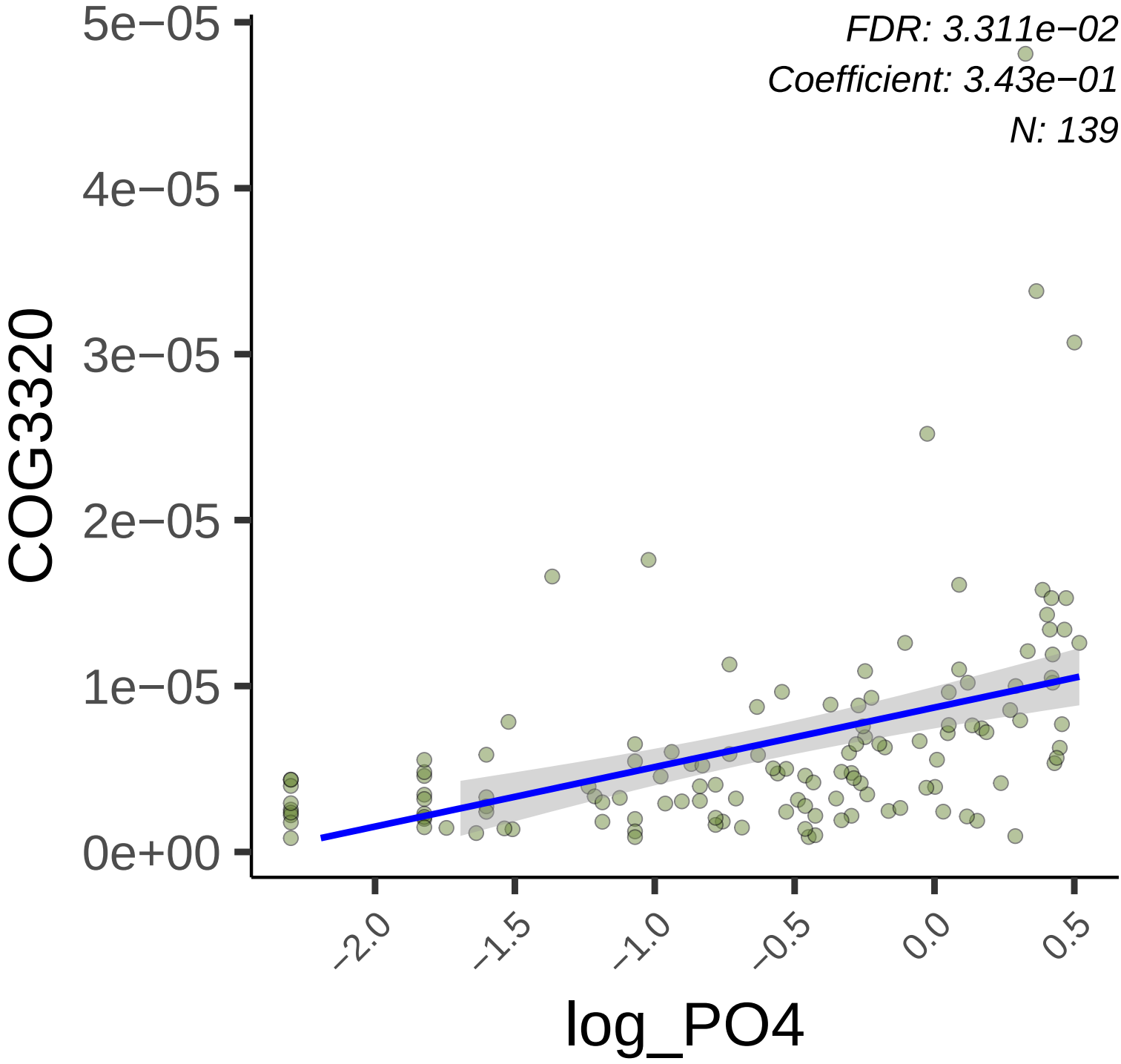
log_PO4


FDR: 3.311e−02
Coefficient: 3.43e−01
N: 139
COG3320
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3e−05
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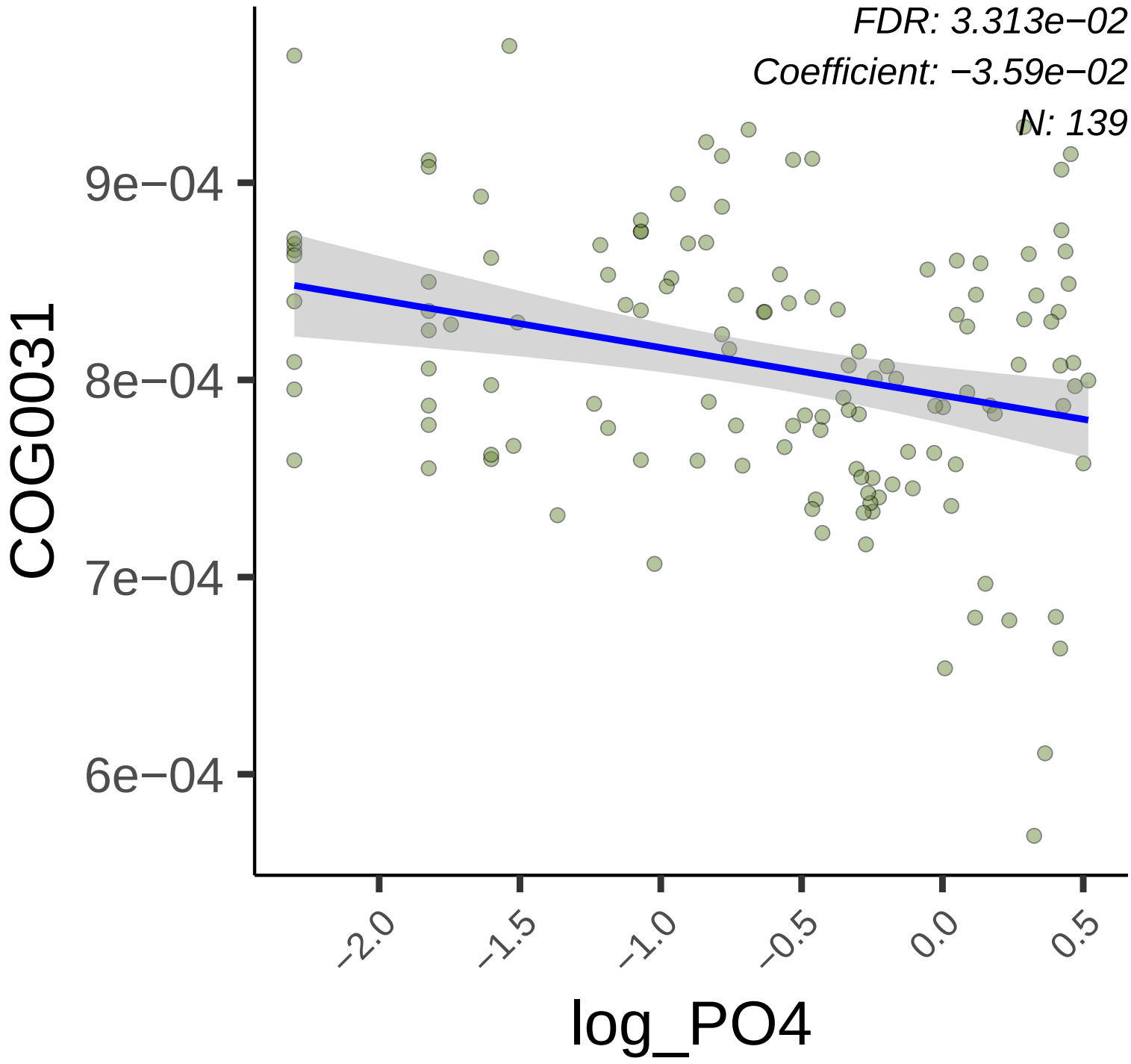
log_PO4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Coefficient: −3.59e−02
N: 139
COG0031
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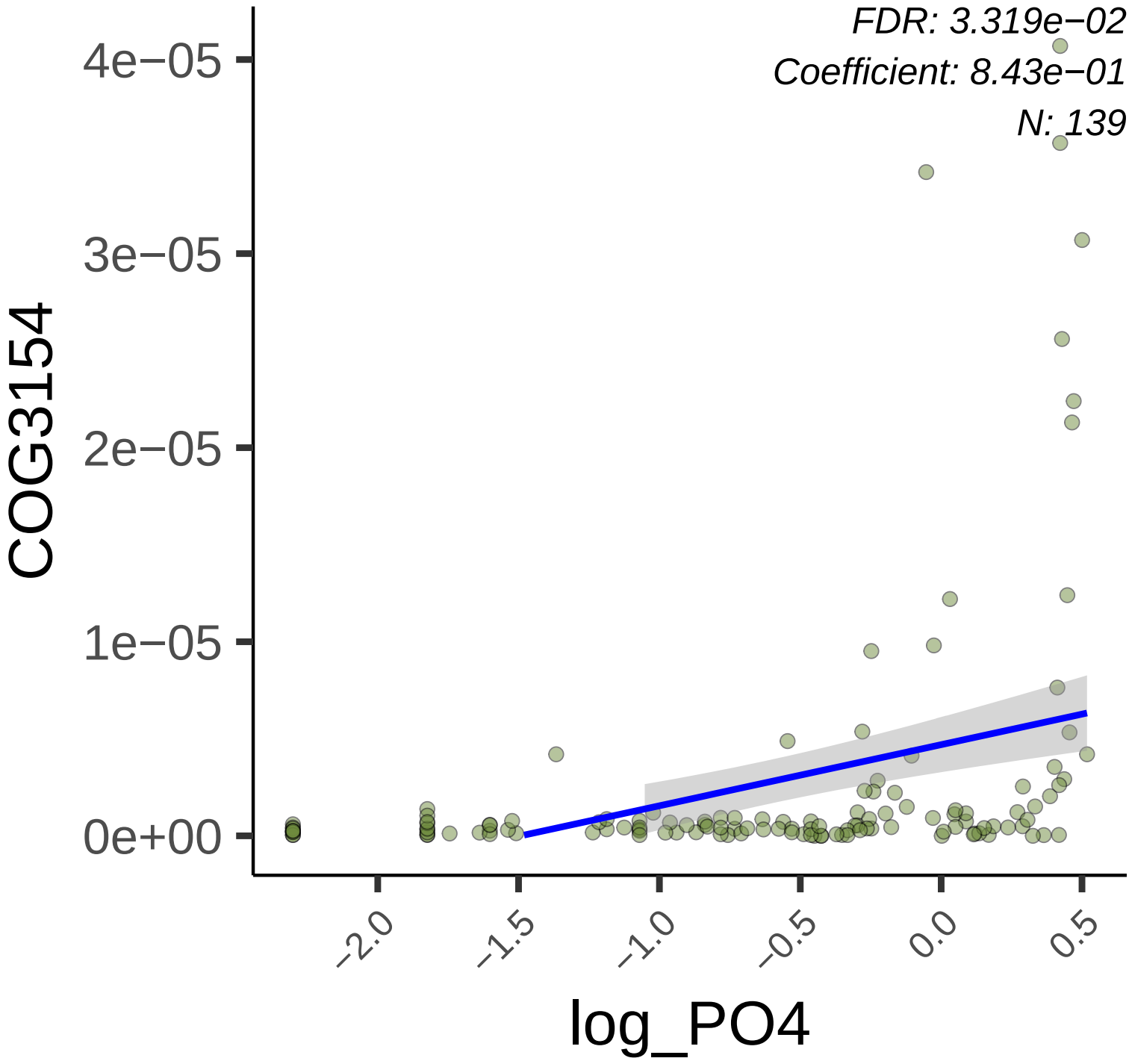
log_PO4


FDR: 3.319e−02
Coefficient: 8.43e−01
N: 139
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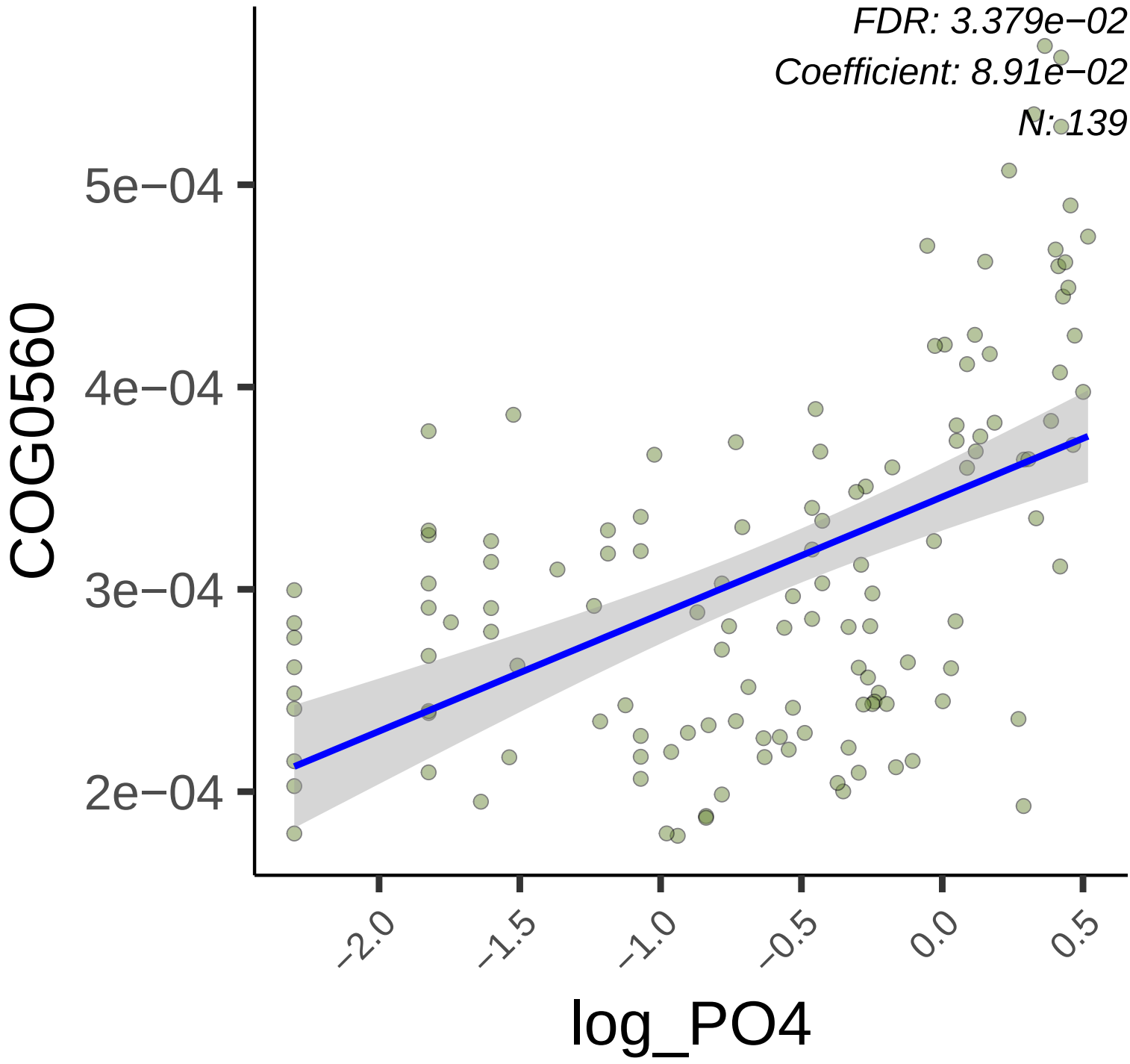
log_PO4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N: 139
COG0560
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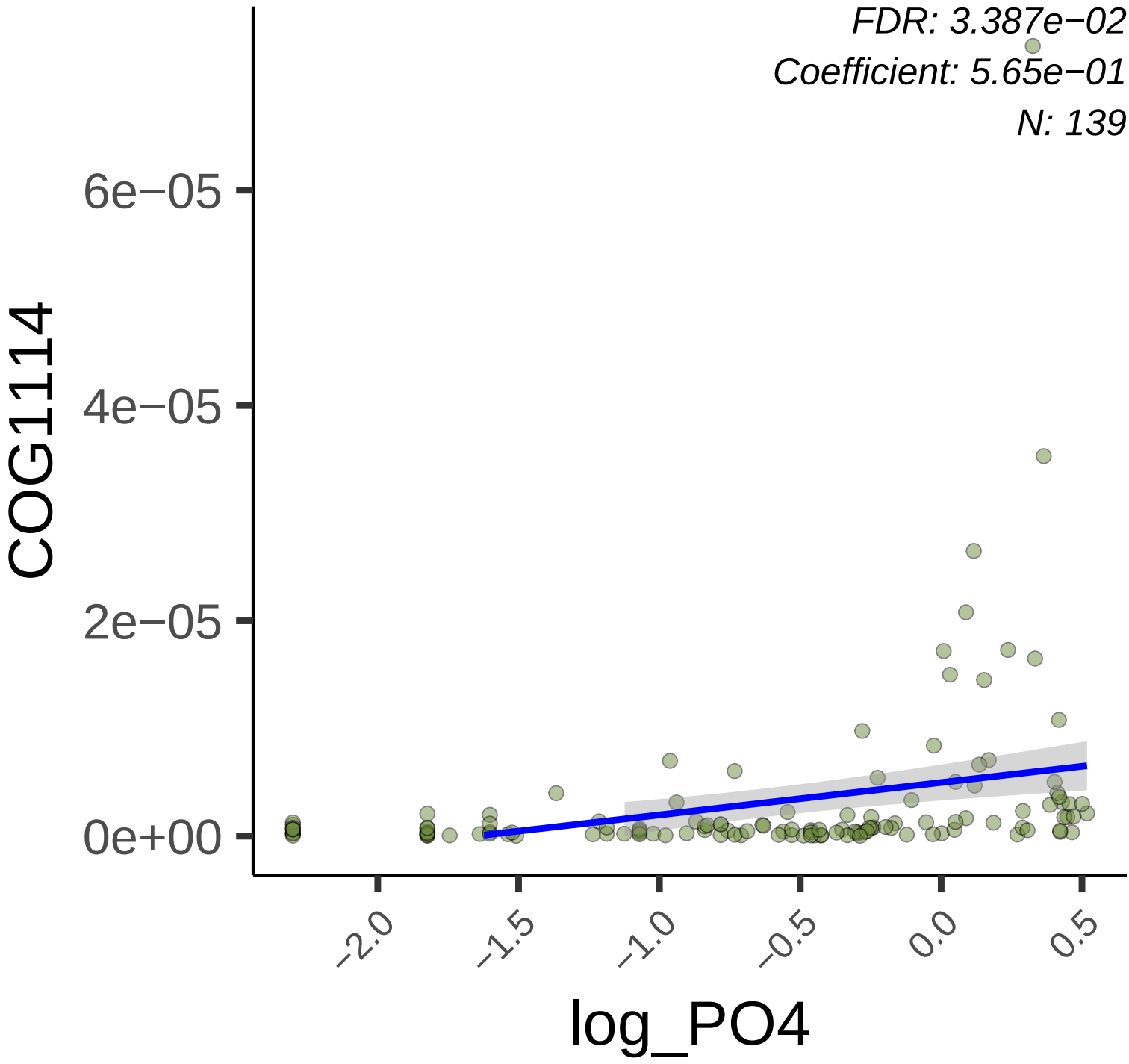
log_PO4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Coefficient: 5.65e−01
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COG1114
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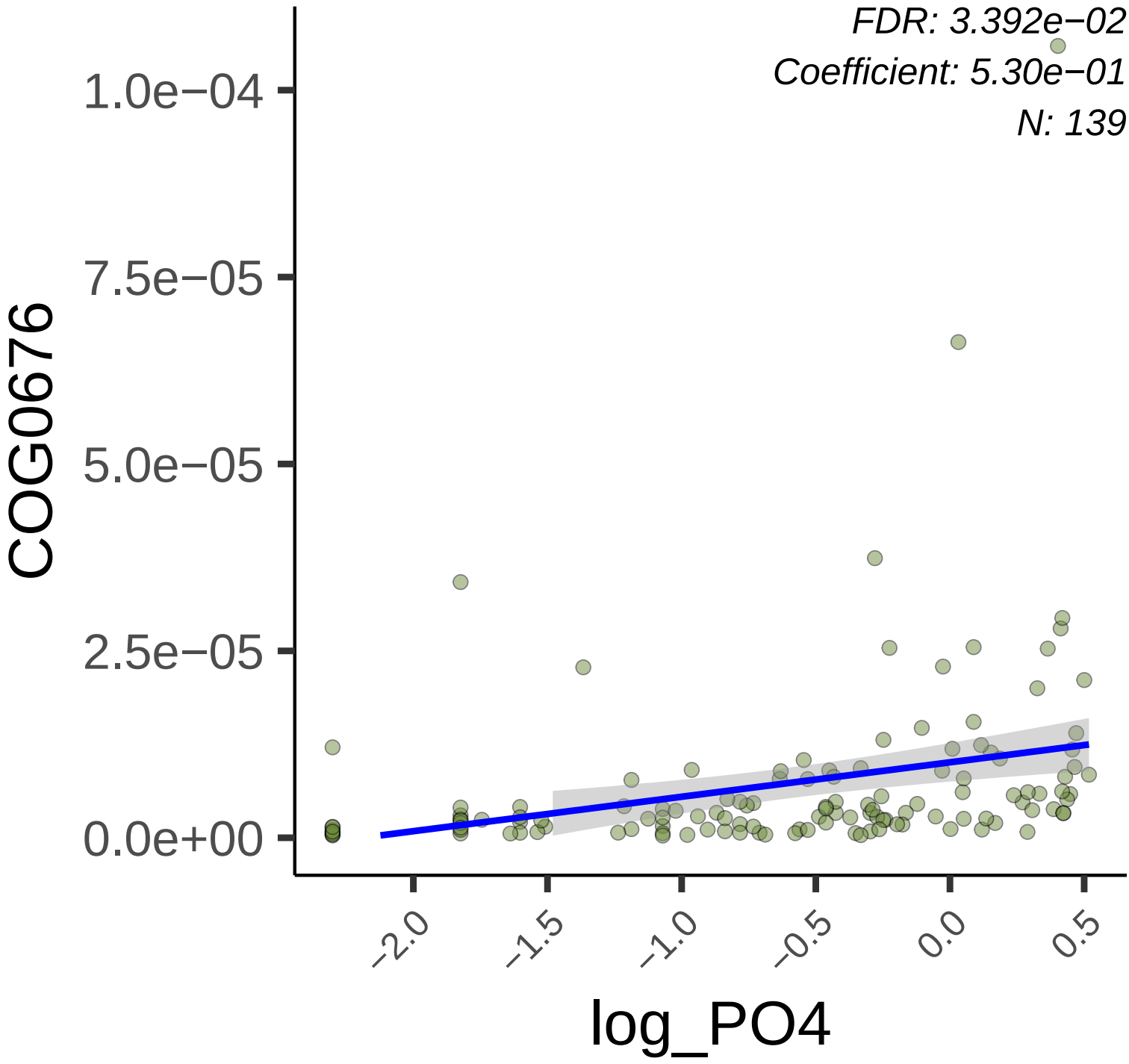
log_PO4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N: 139
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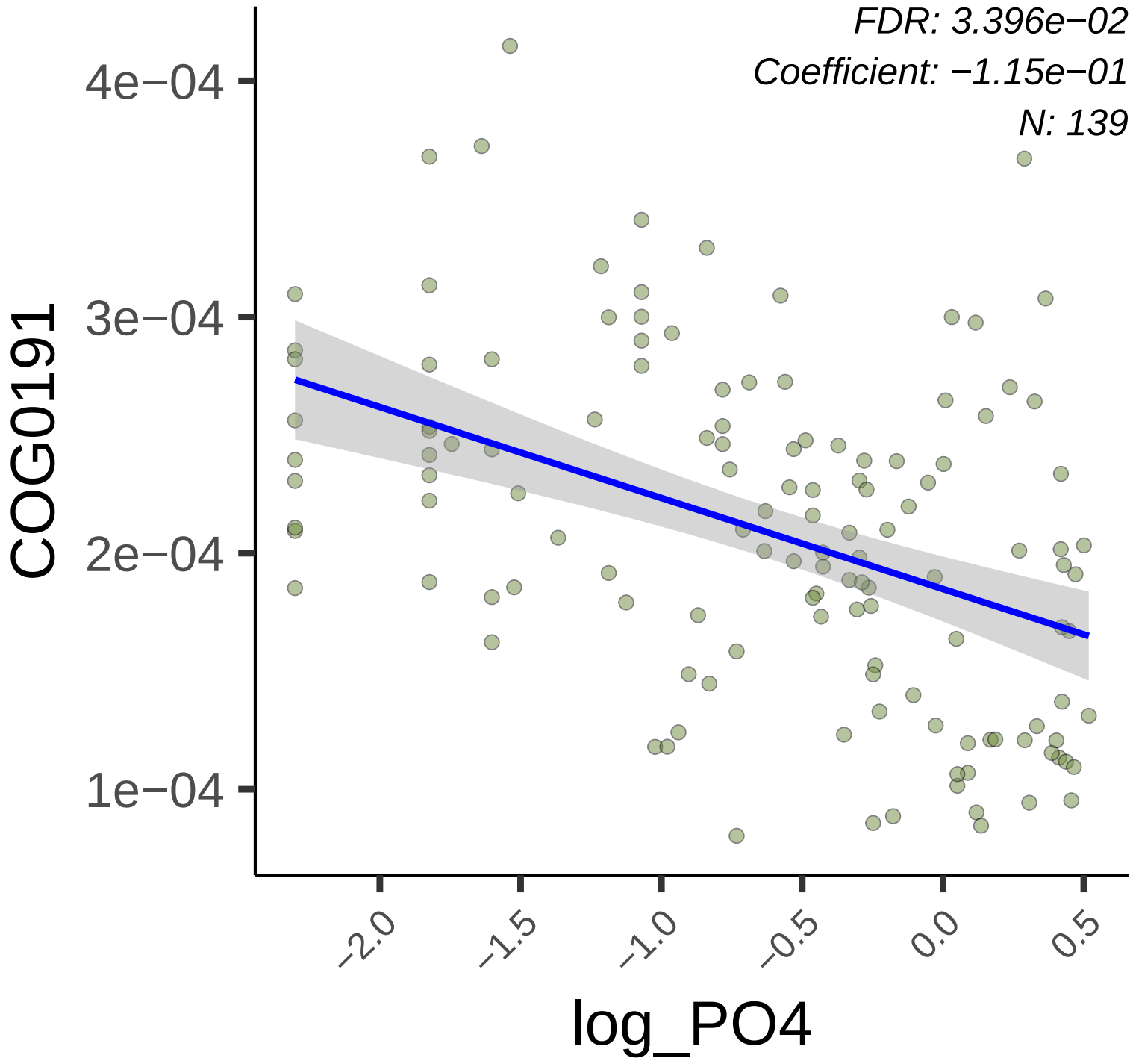
log_PO4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Coefficient: −1.15e−01
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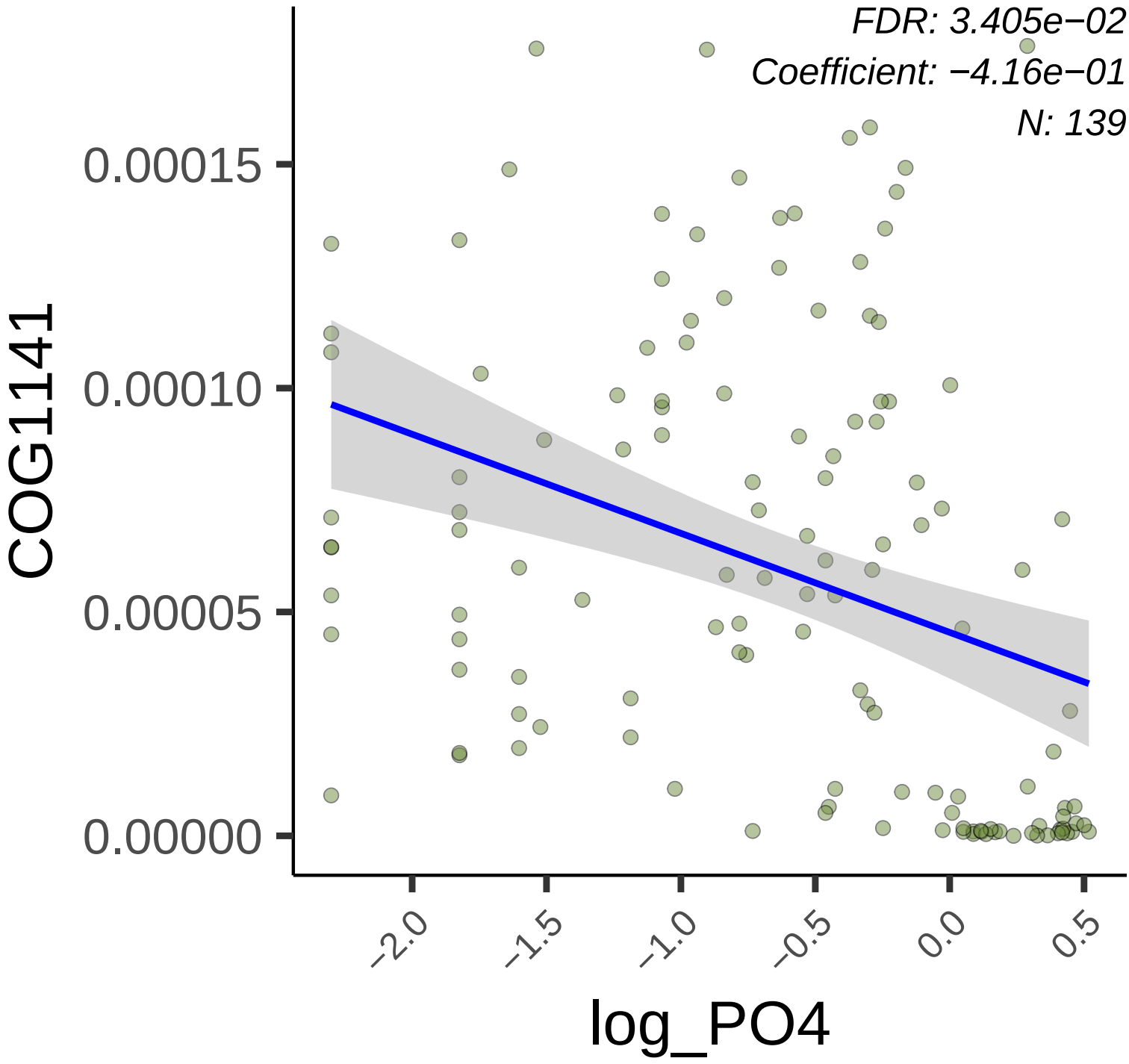
log_PO4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Coefficient: −4.16e−01
N: 139
COG1141
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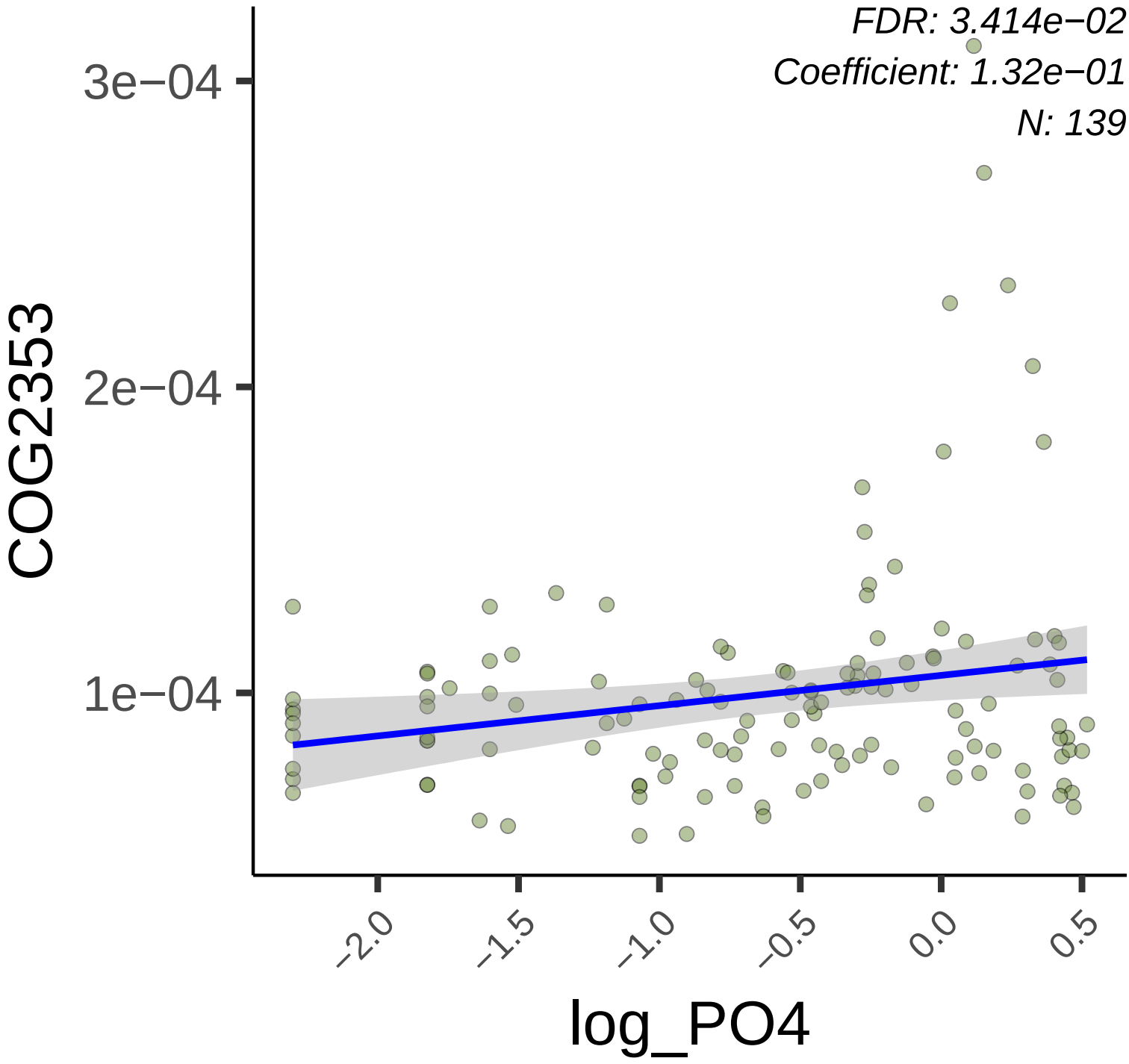
log_PO4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Coefficient: 1.32e−01
N: 139
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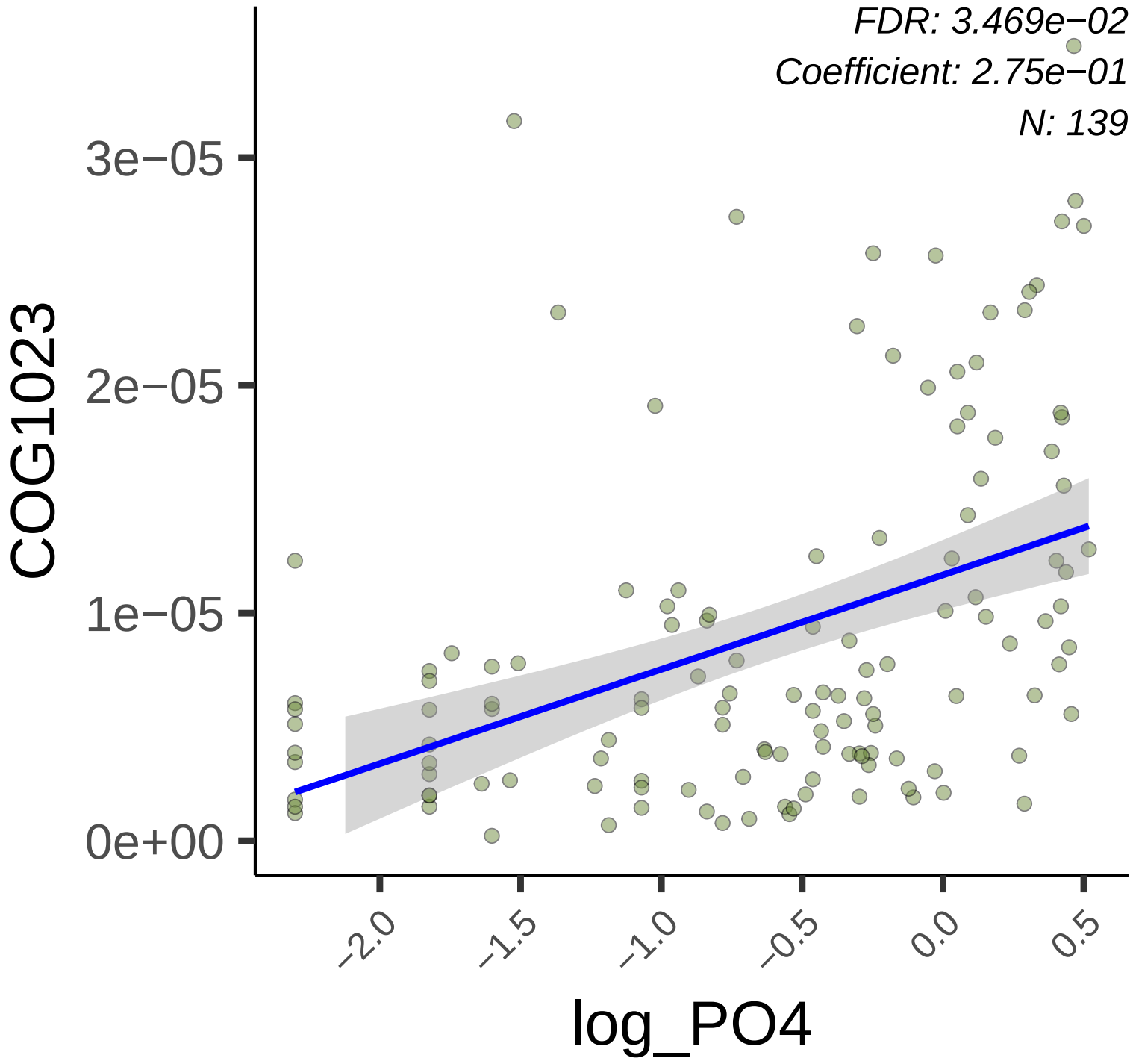
log_PO4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Coefficient: 2.75e−01
N: 139
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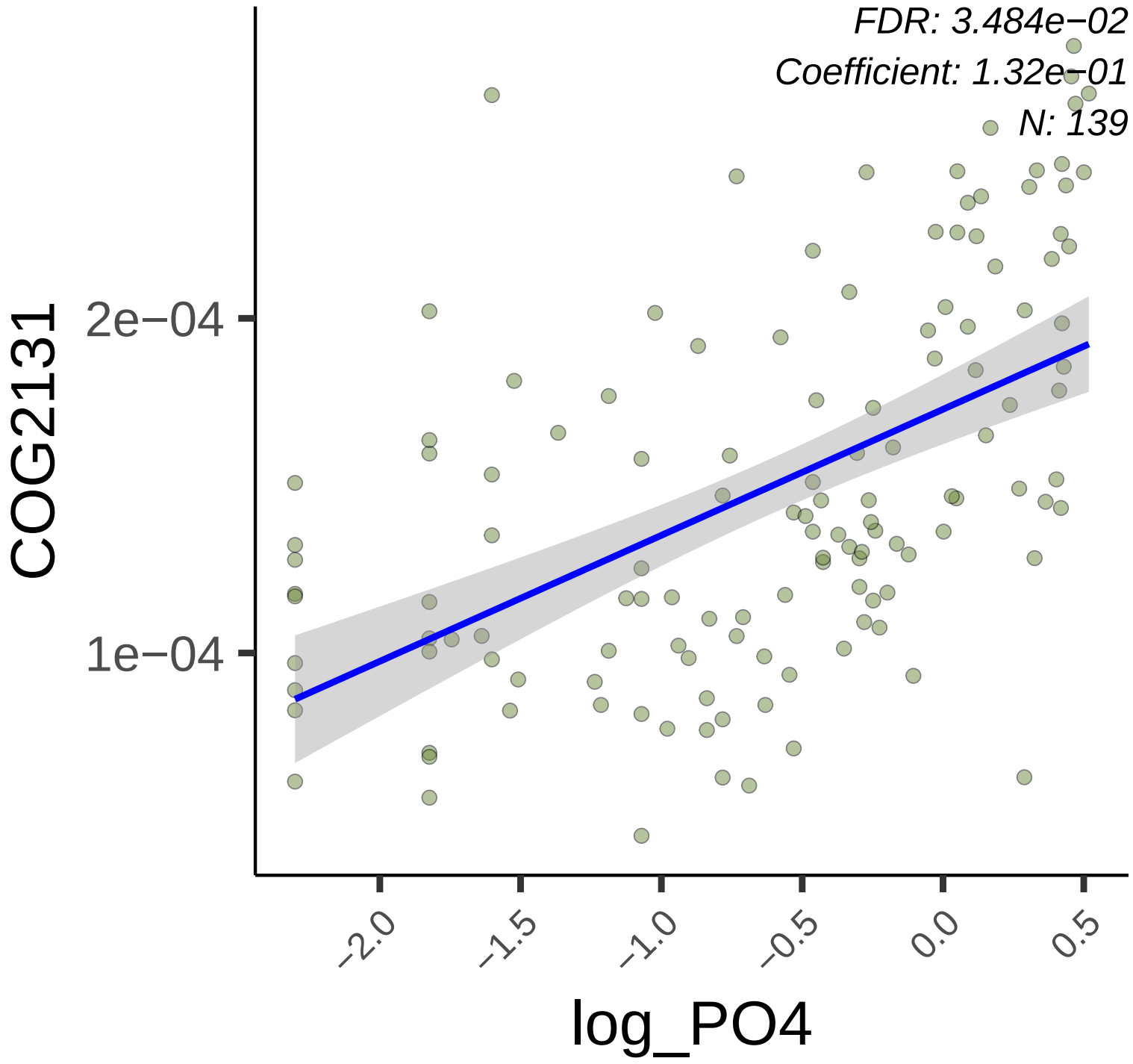
log_PO4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Coefficient: 1.32e−01
N: 139
COG2131
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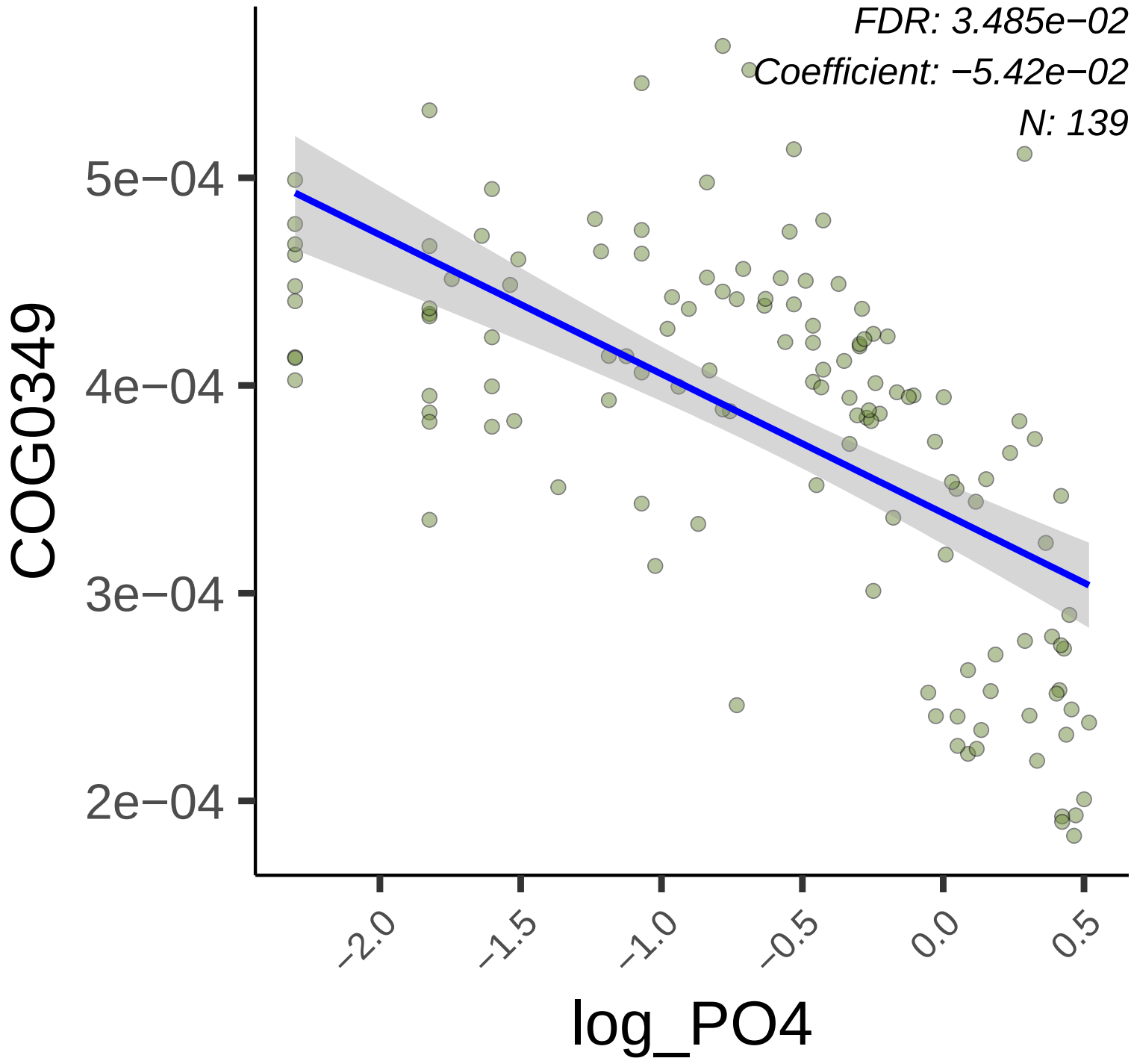
log_PO4


FDR: 3.485e−02
Coefficient: −5.42e−02
N: 139
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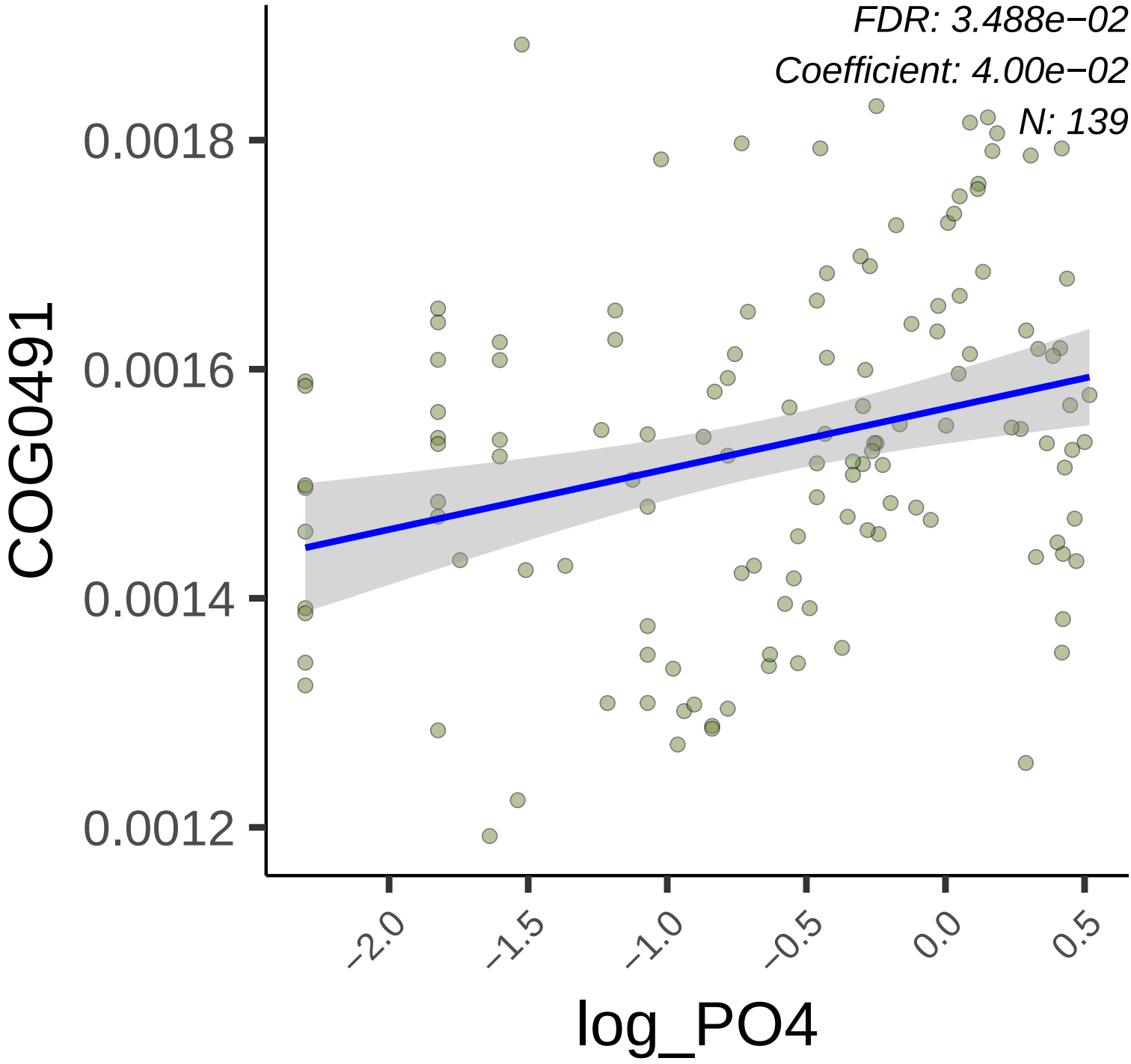
log_PO4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N: 139
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0.0016
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COG0491
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−1.0
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0.0
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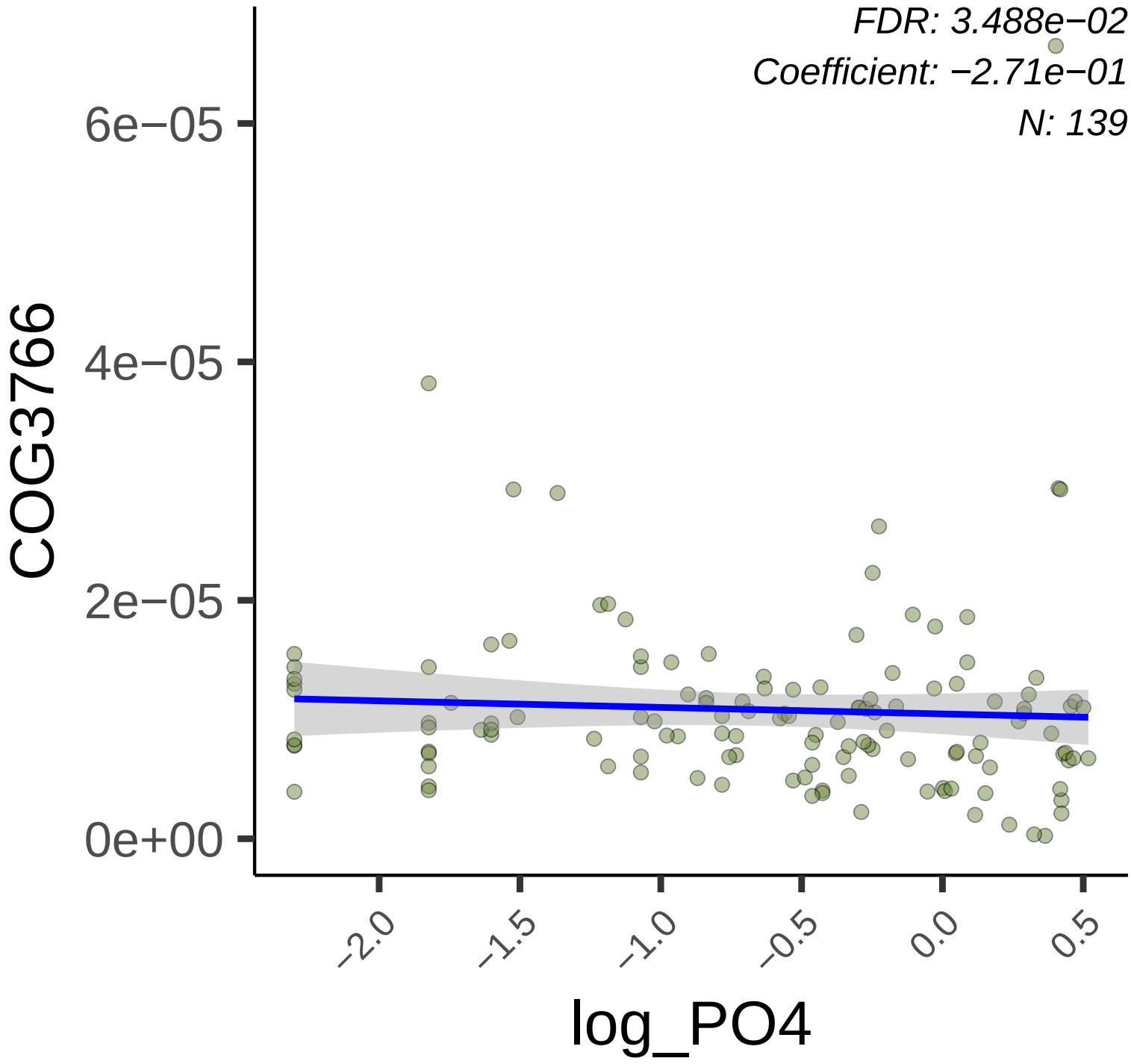
log_PO4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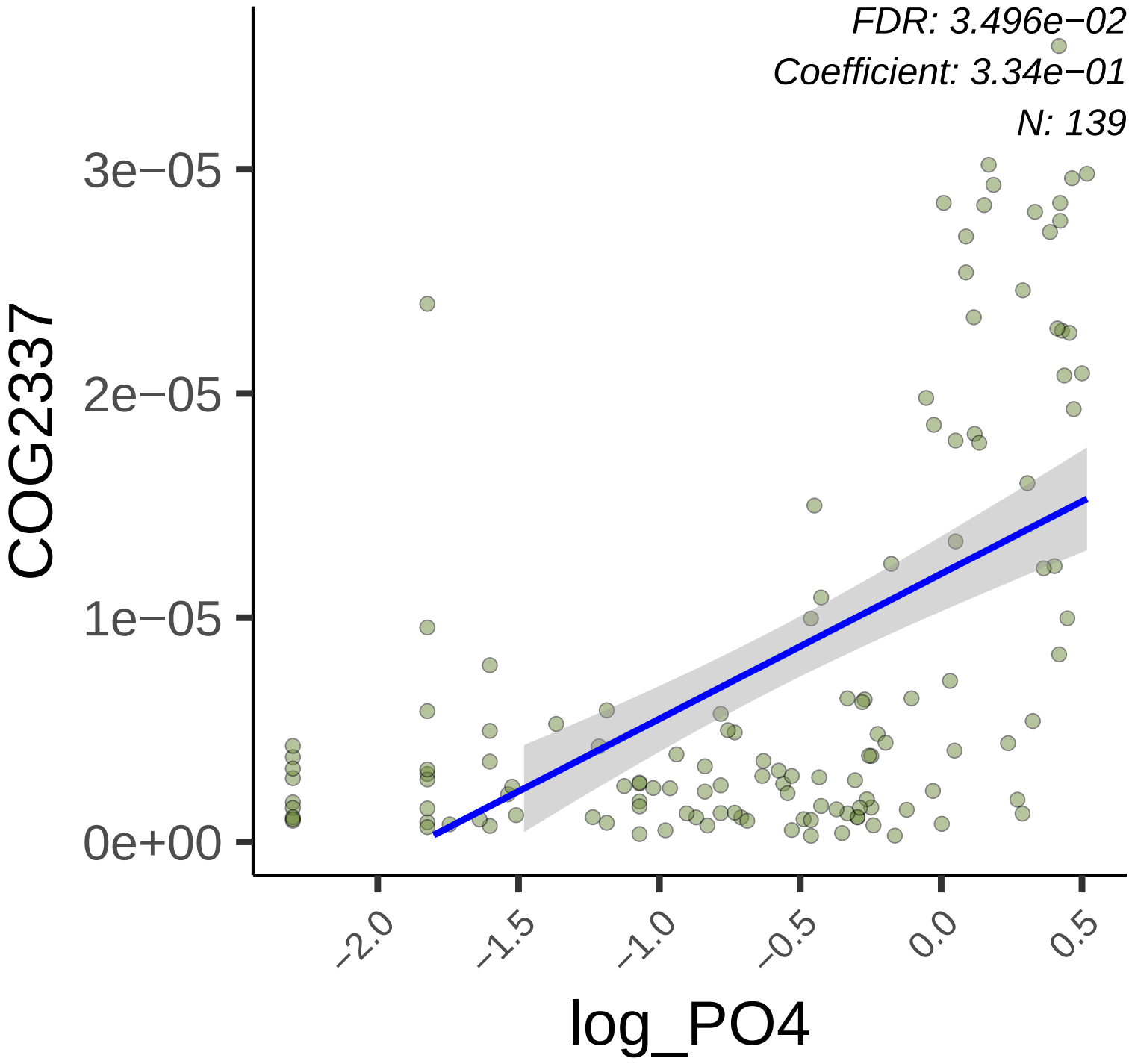
log_PO4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N: 139
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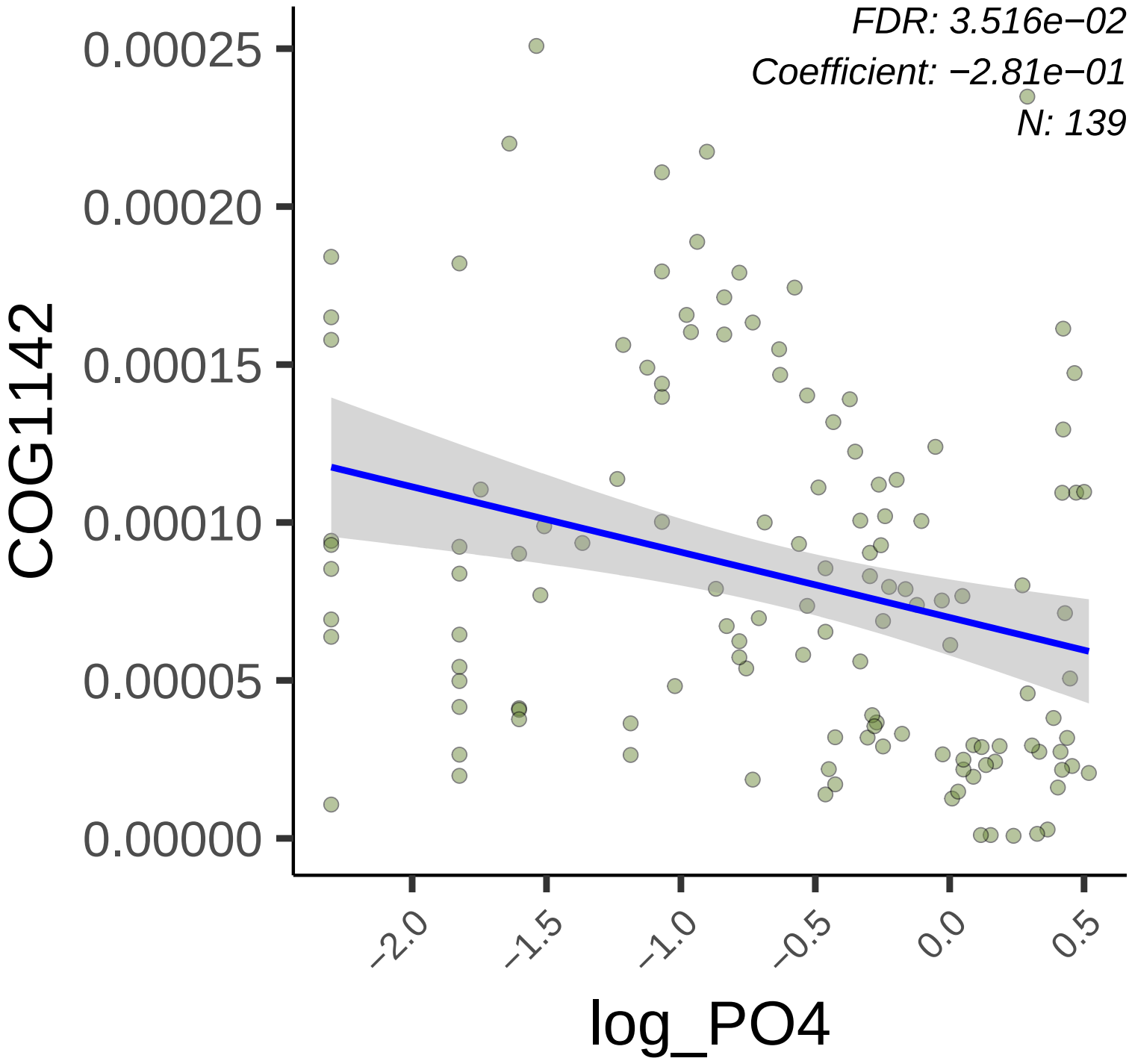
log_PO4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Coefficient: −2.81e−01
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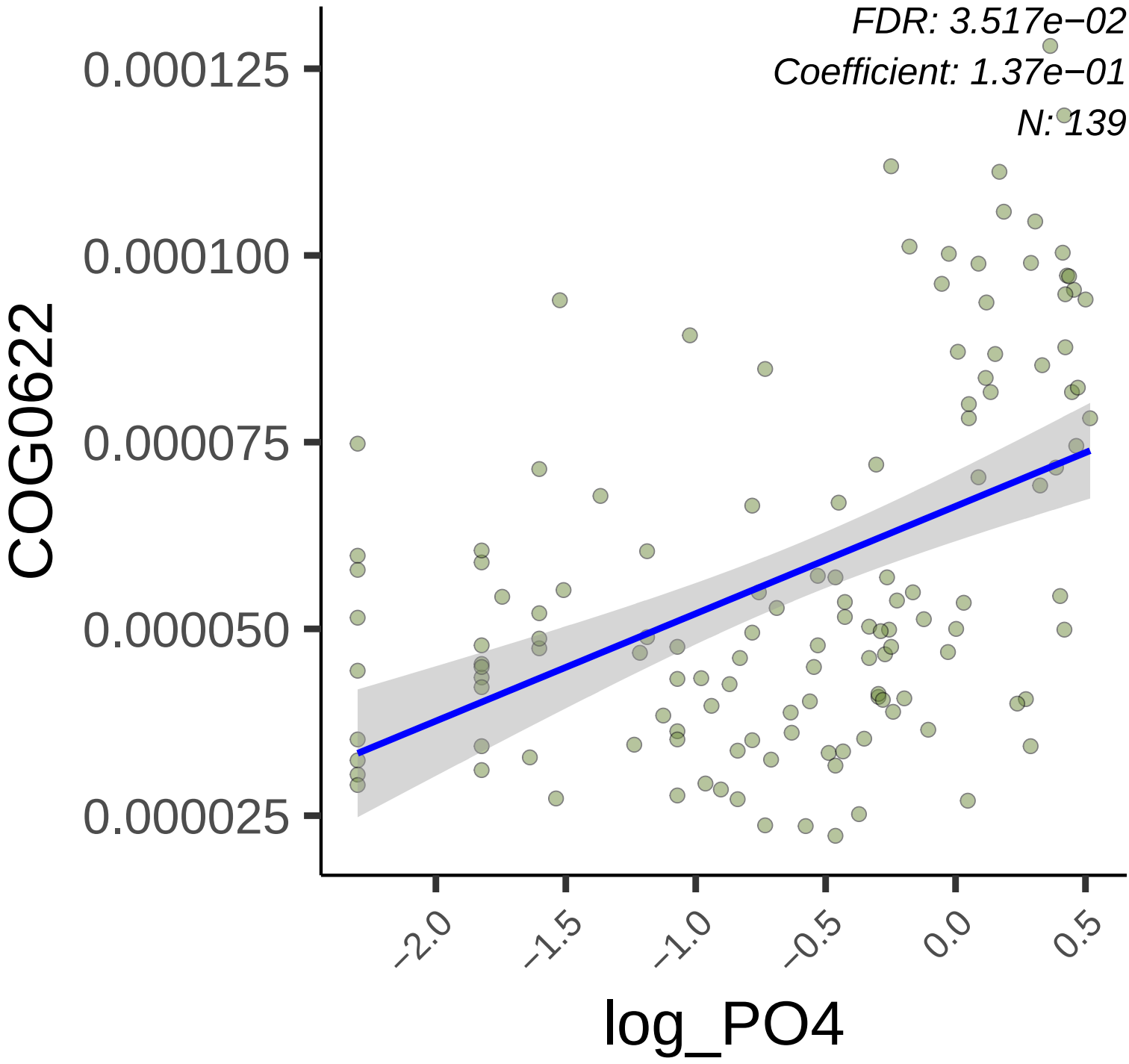
log_PO4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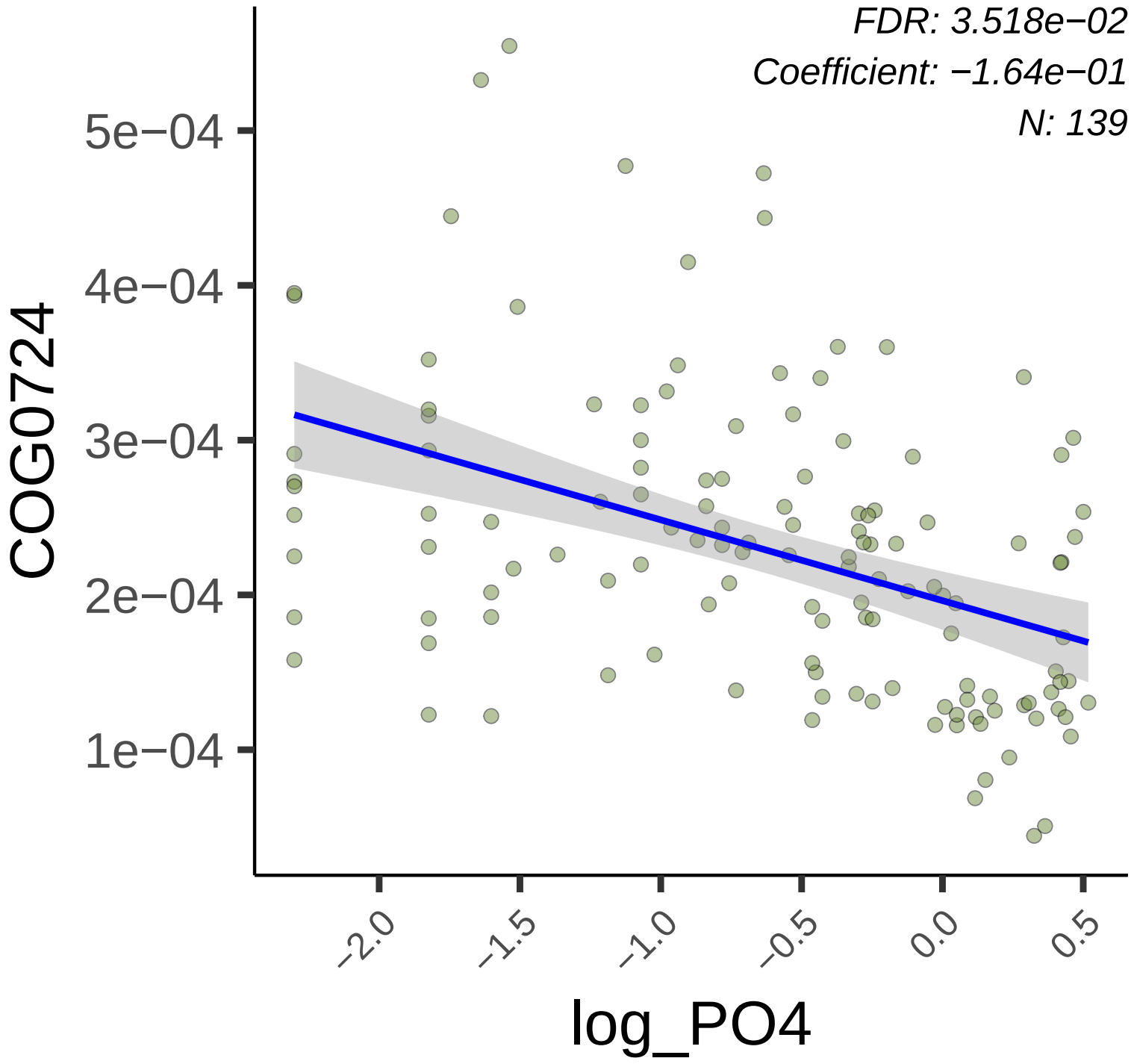
log_PO4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Coefficient: −1.64e−01
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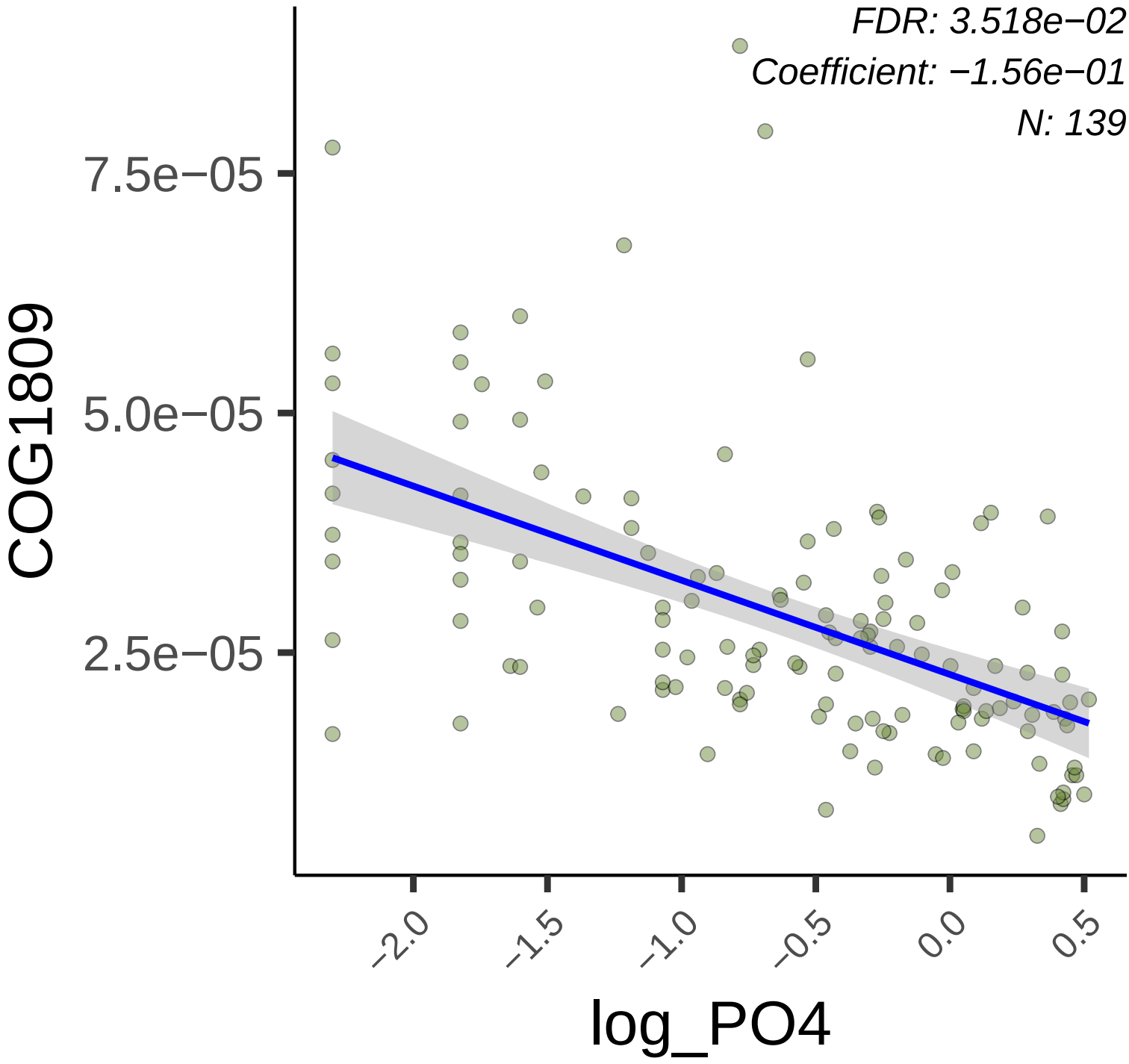
log_PO4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Coefficient: −1.56e−01
N: 139
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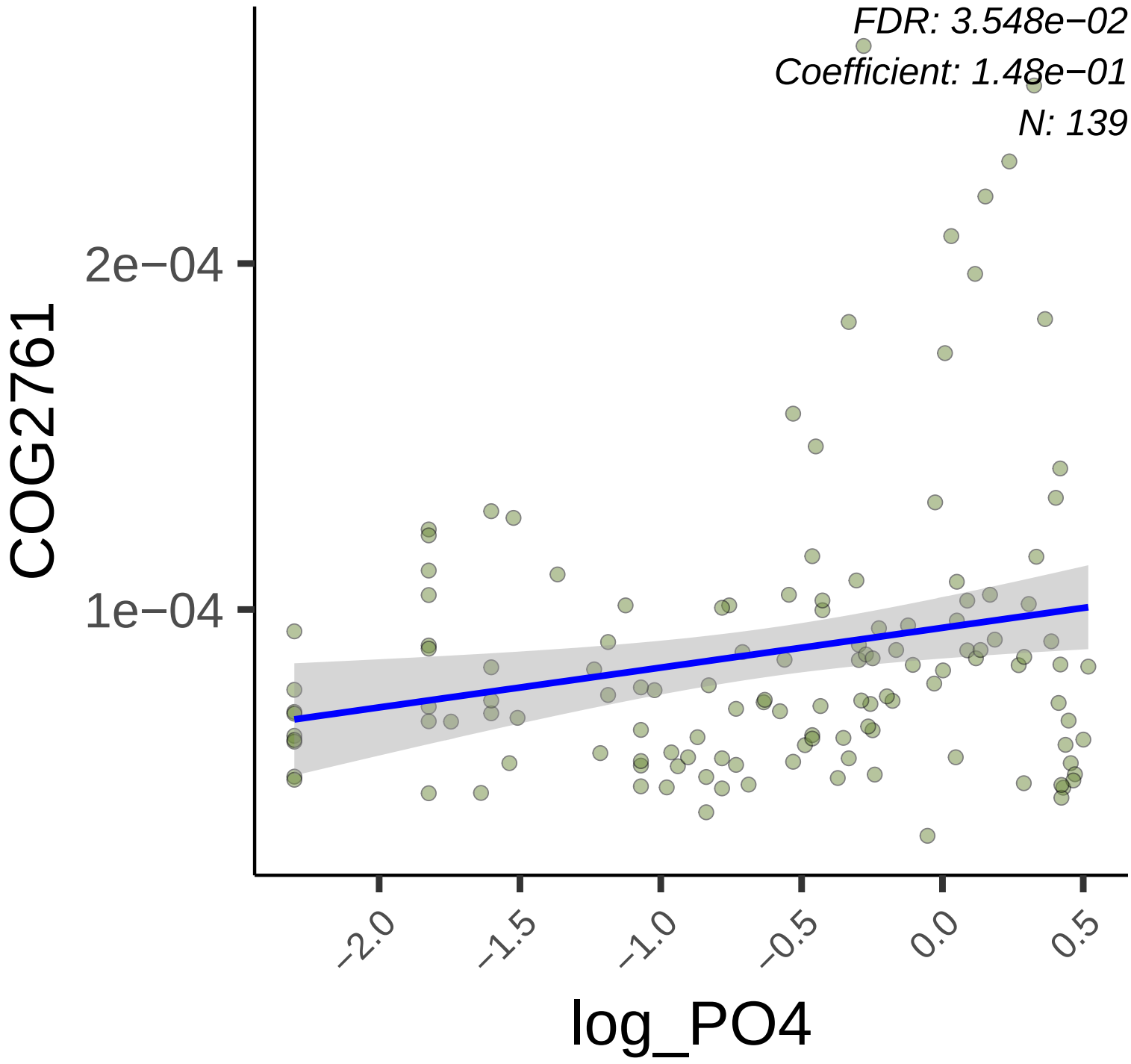
log_PO4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Coefficient: 1.48e−01
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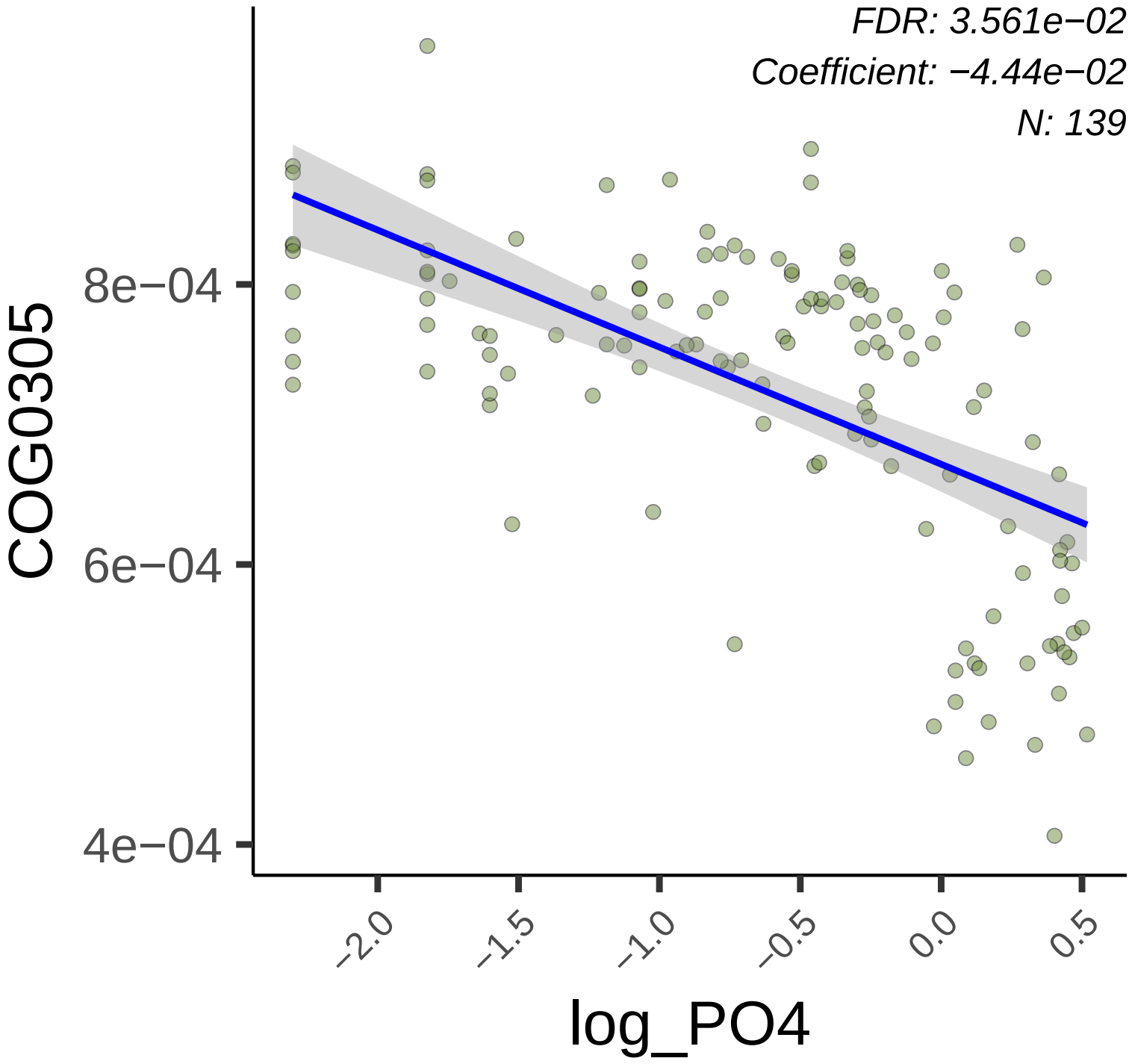
log_PO4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Coefficient: −4.44e−02
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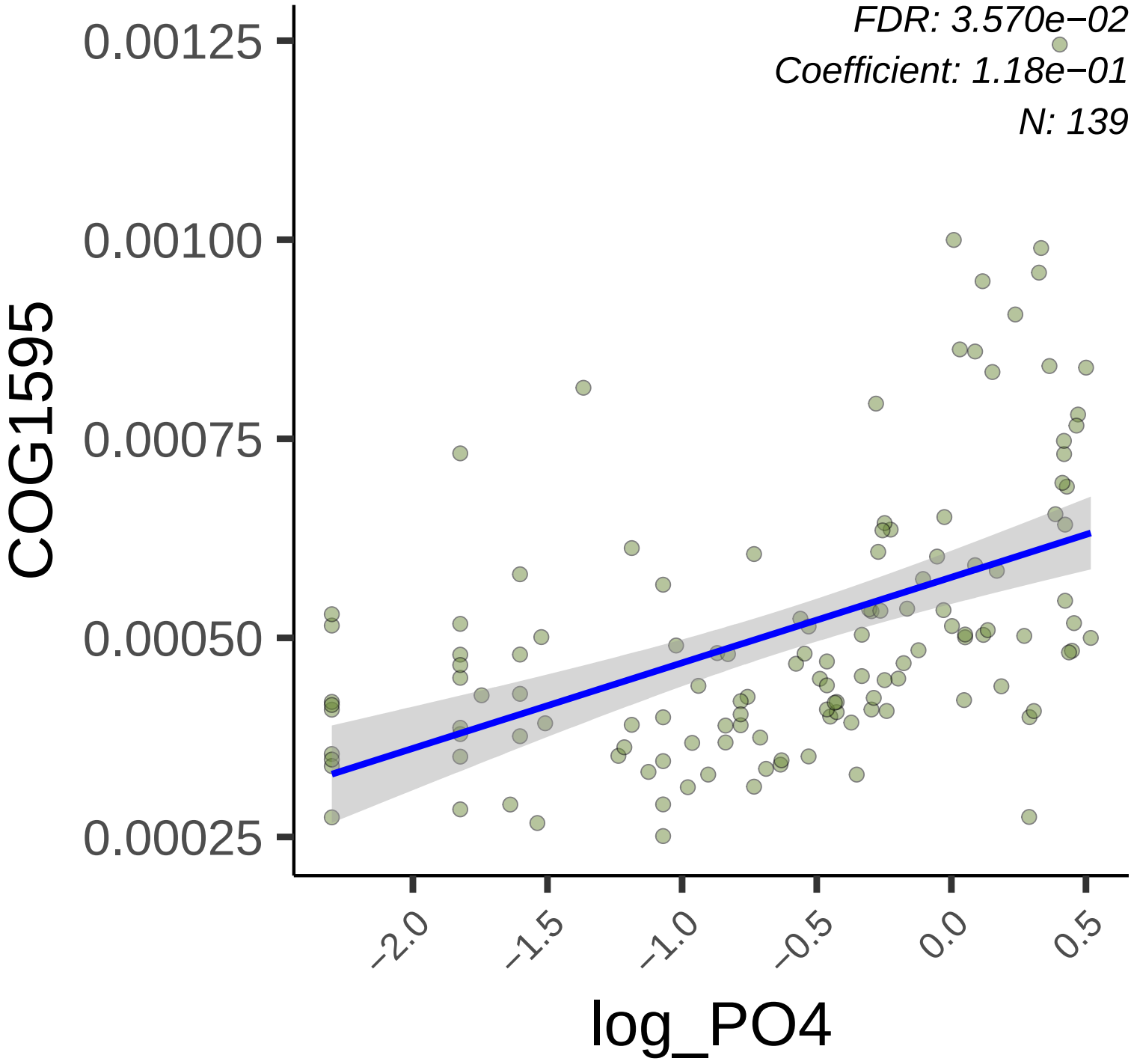
log_PO4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Coefficient: 1.18e−01
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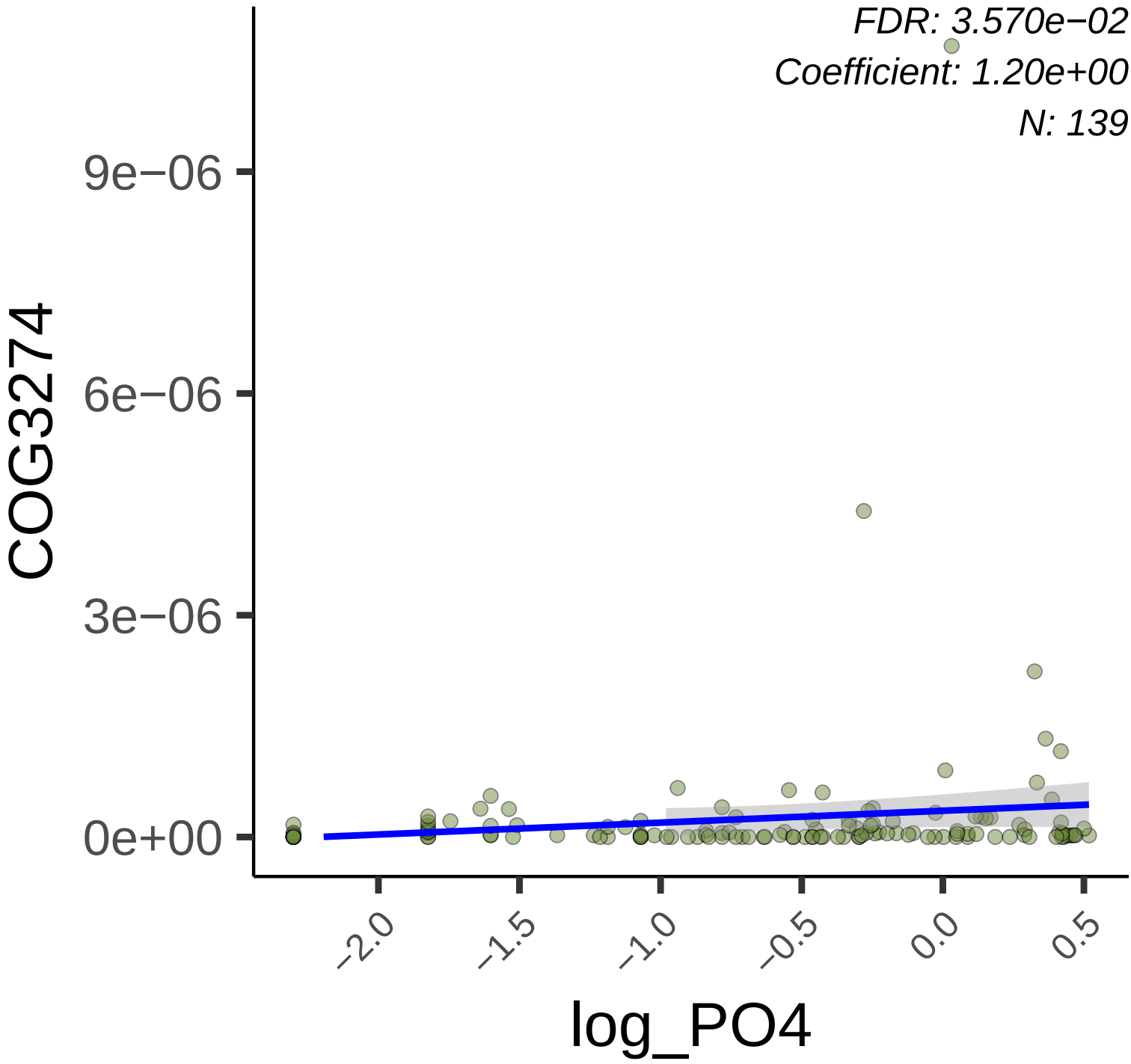
log_PO4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Coefficient: 1.20e+00
N: 139
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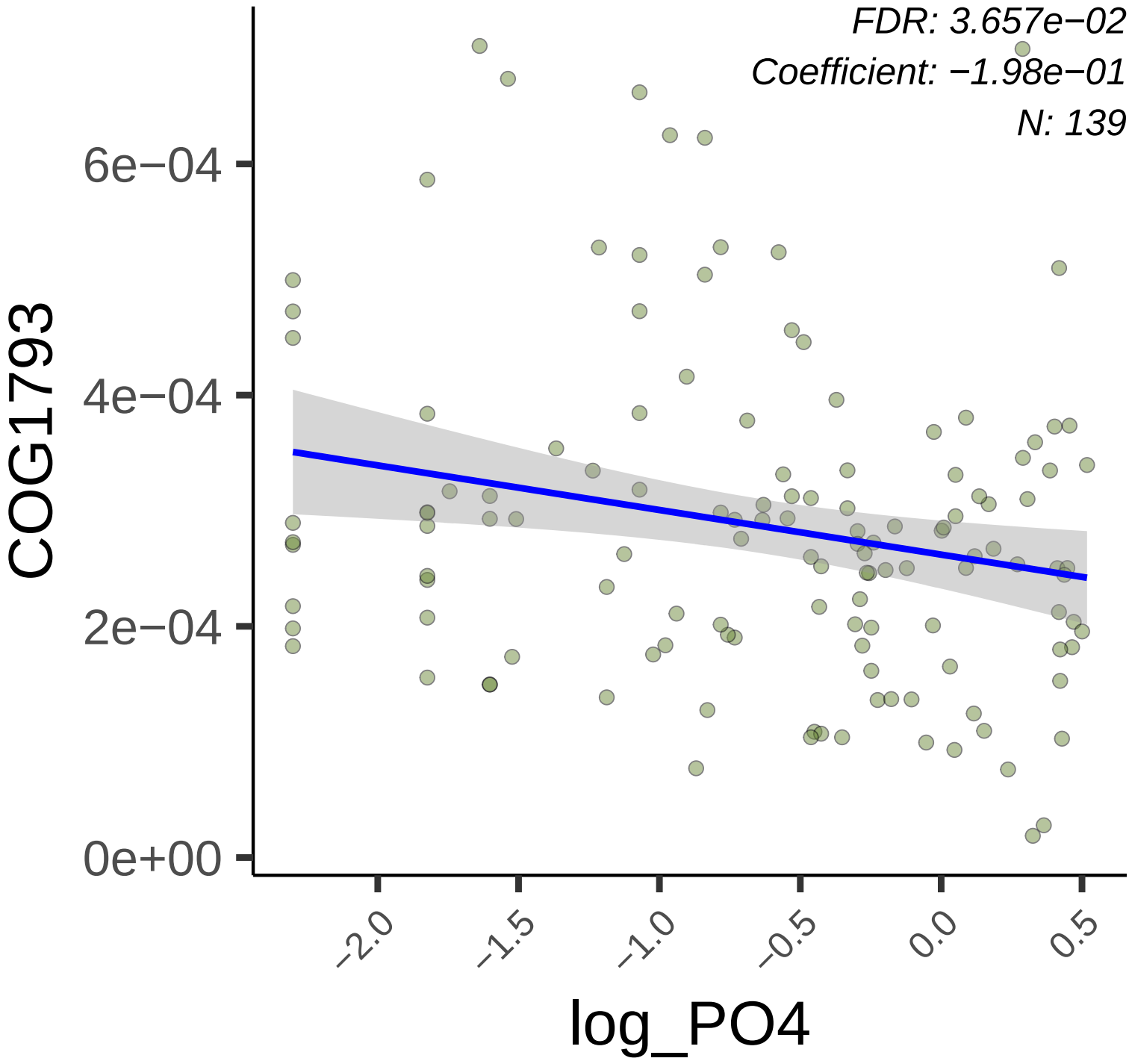
log_PO4


FDR: 3.657e−02
Coefficient: −1.98e−01
N: 139
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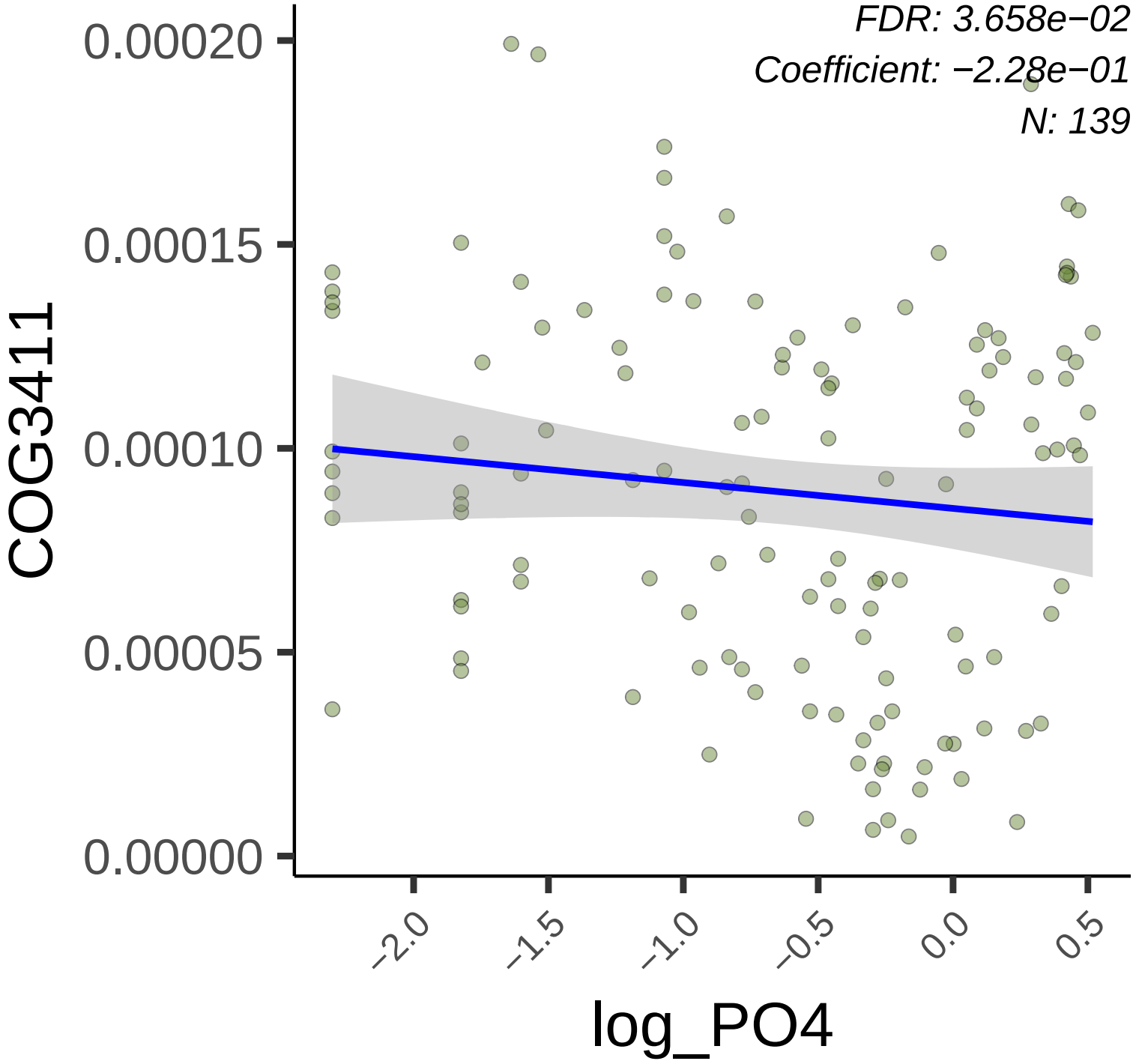
log_PO4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Coefficient: −2.28e−01
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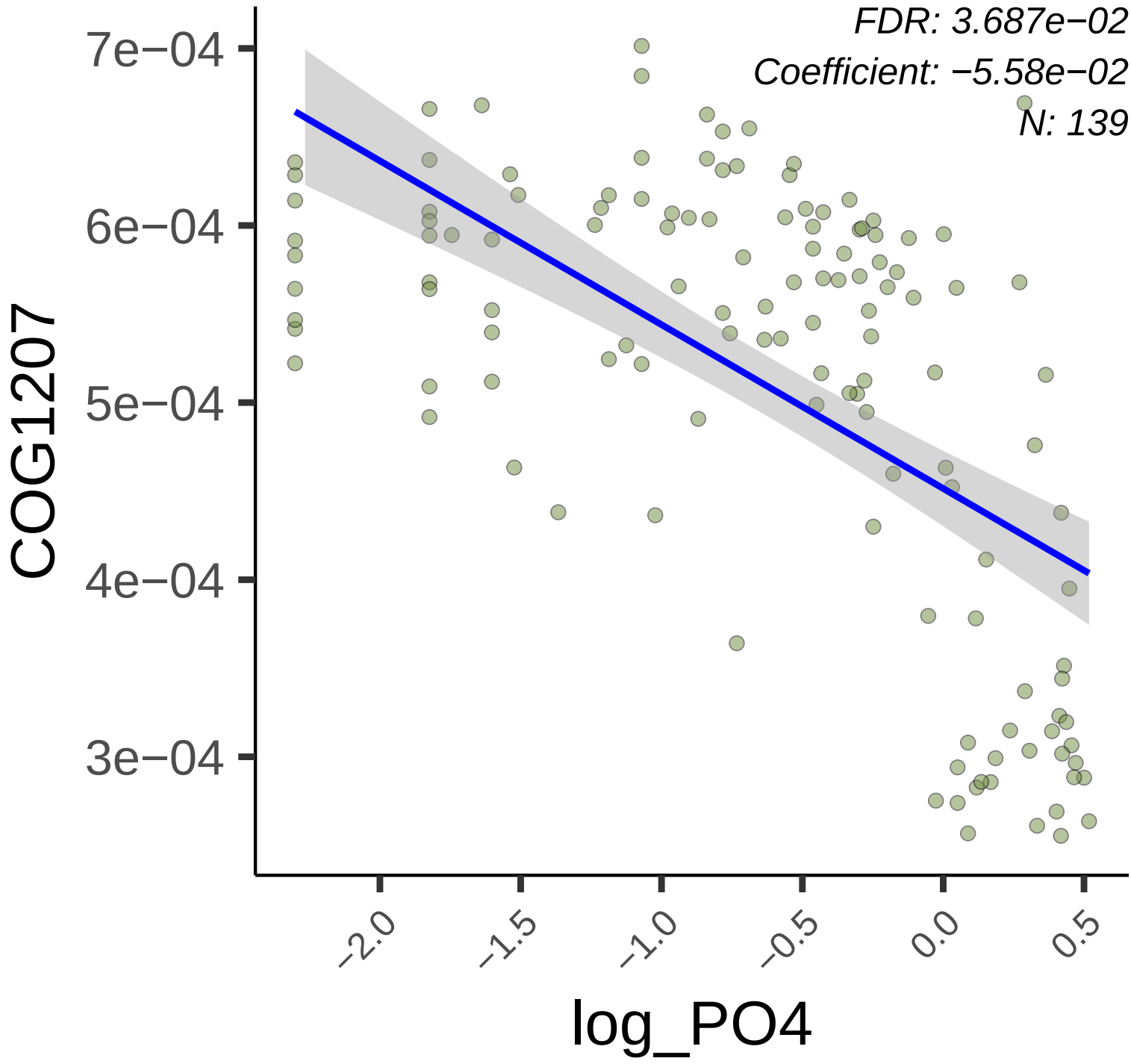
log_PO4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Coefficient: −5.58e−02
N: 139
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5e−04
4e−04
3e−04
COG1207
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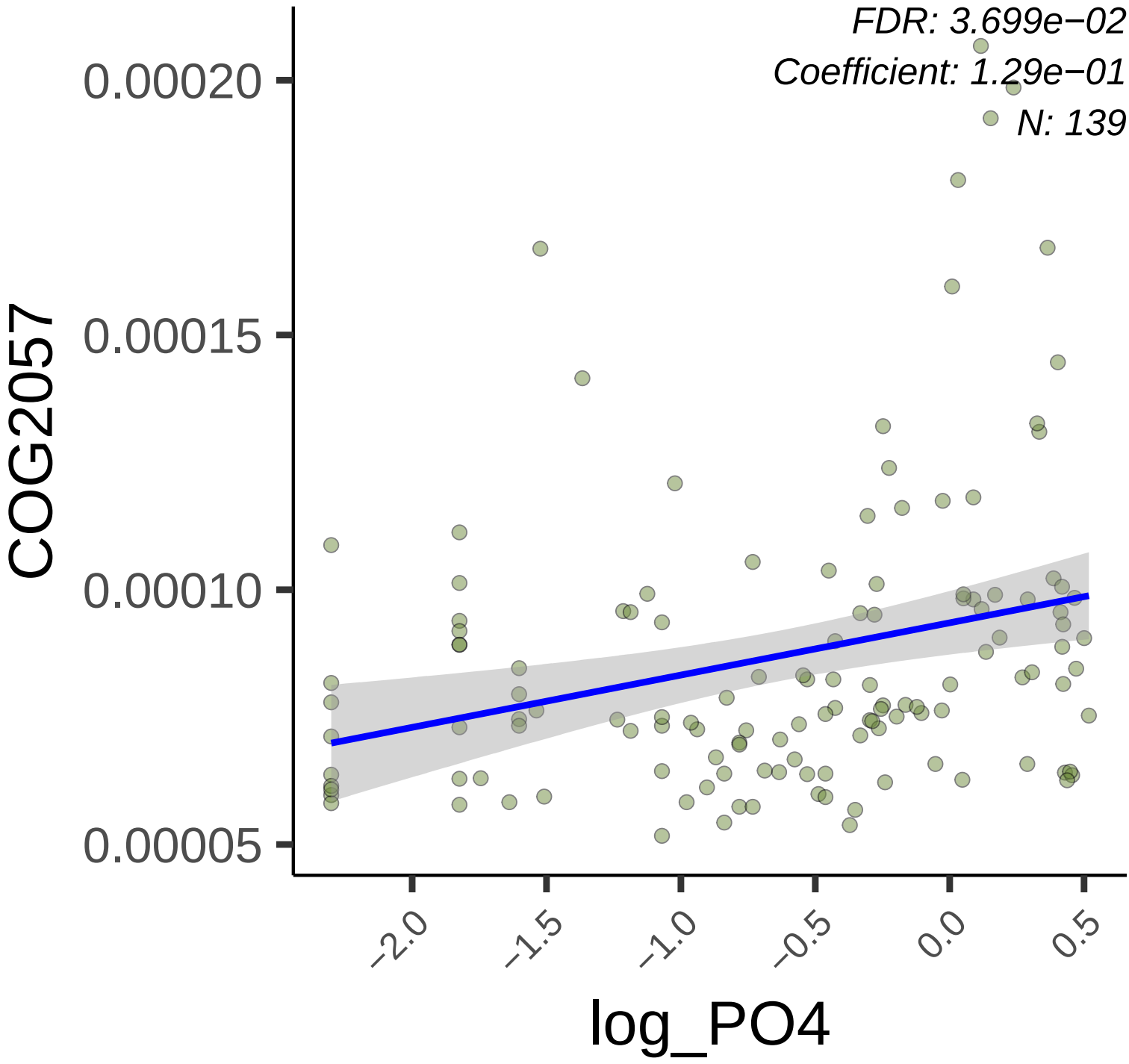
log_PO4


FDR: 3.699e−02
Coefficient: 1.29e−01
N: 139
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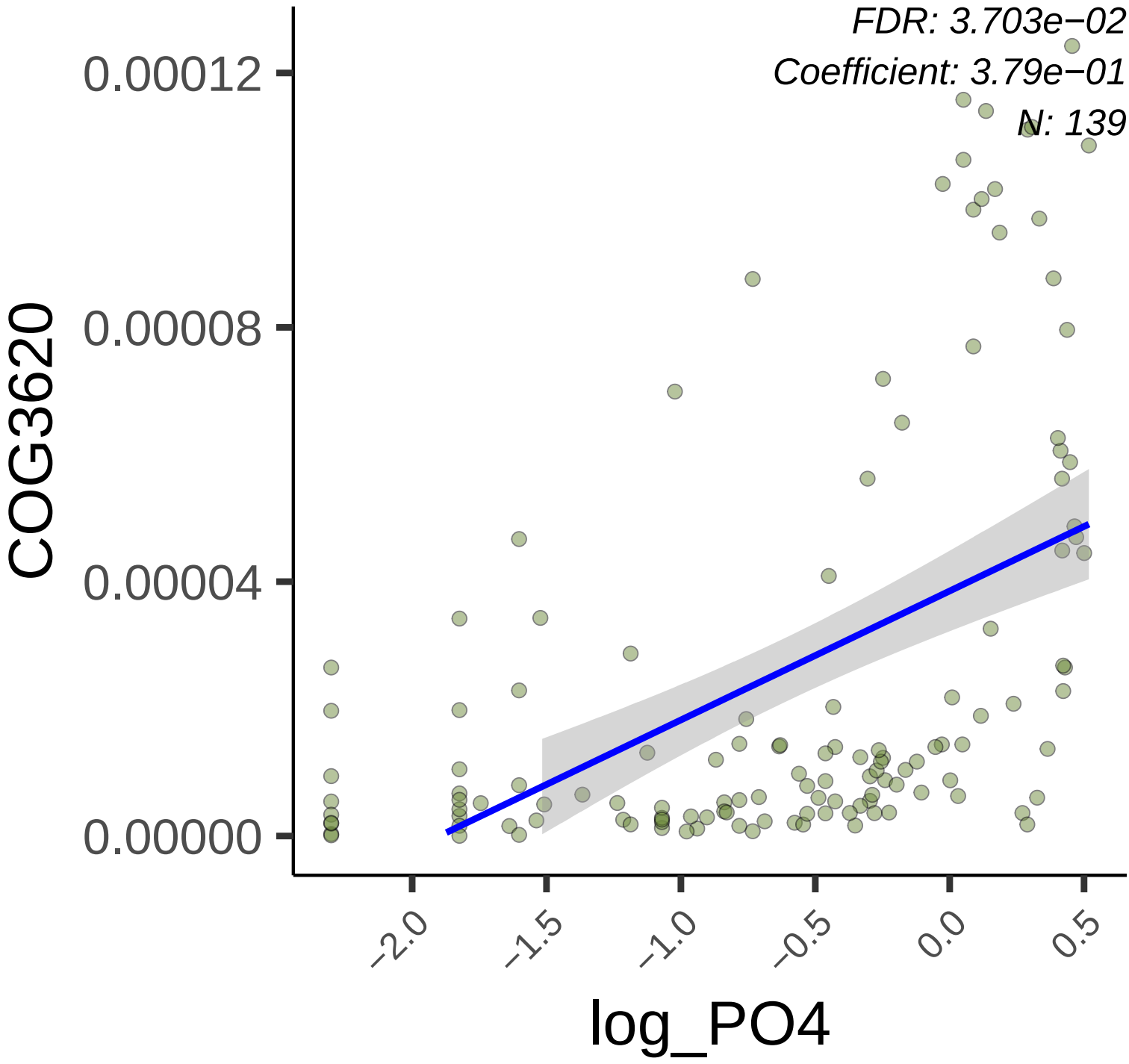
log_PO4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Coefficient: 3.79e−01
N: 139
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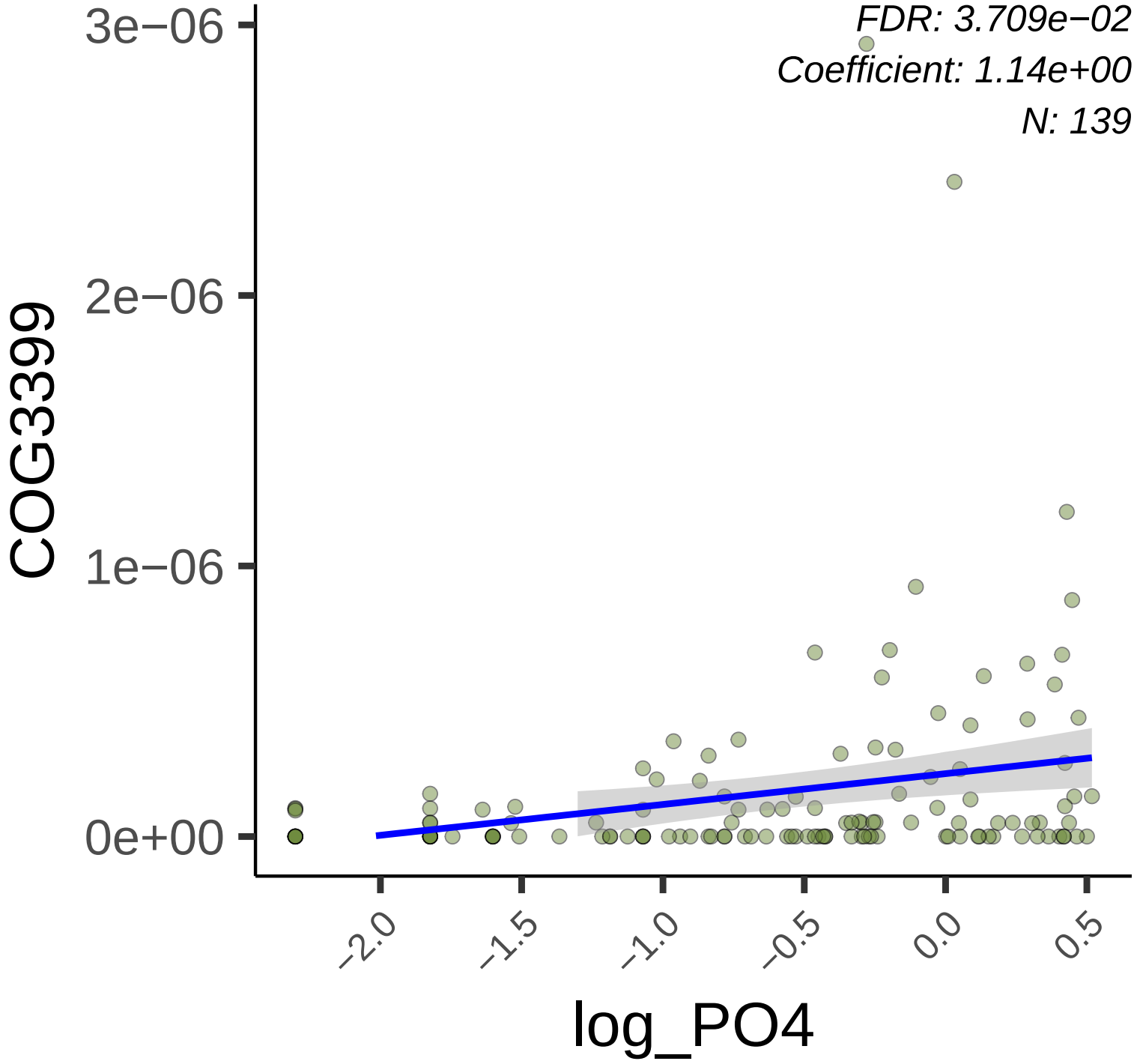
log_PO4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Coefficient: 1.14e+00
N: 139
COG3399
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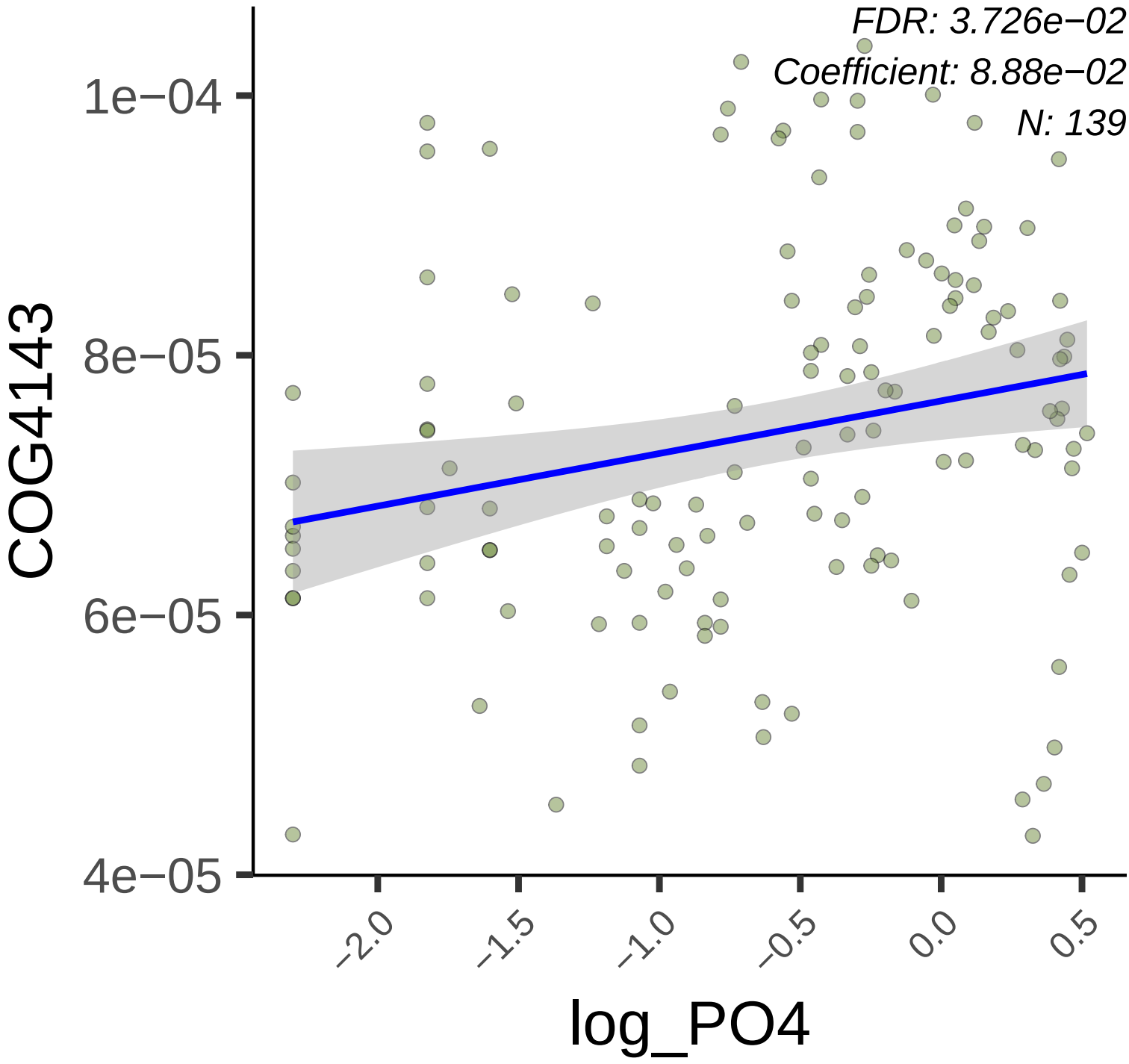
log_PO4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Coefficient: 8.88e−02
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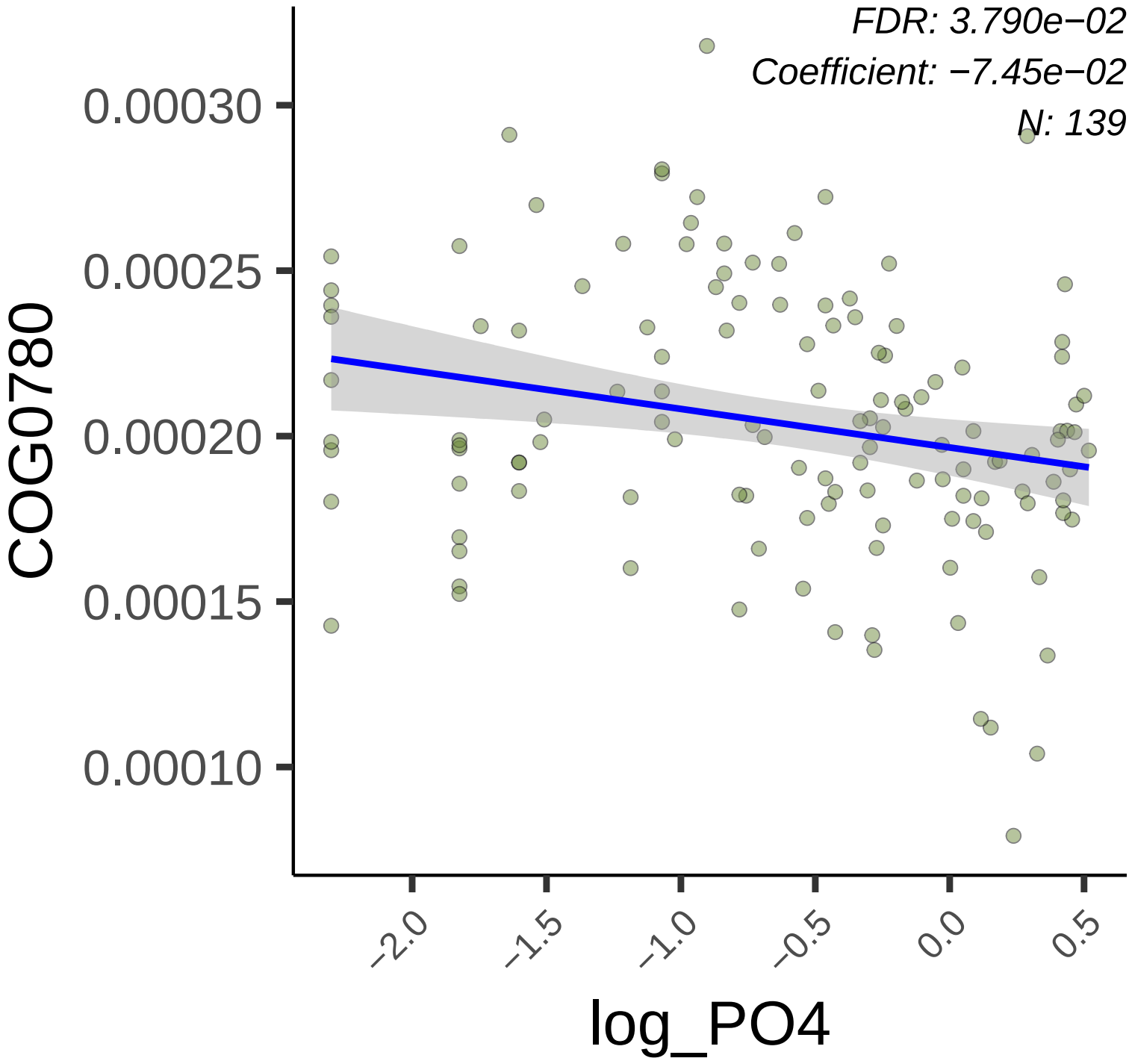
log_PO4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Coefficient: −7.45e−02
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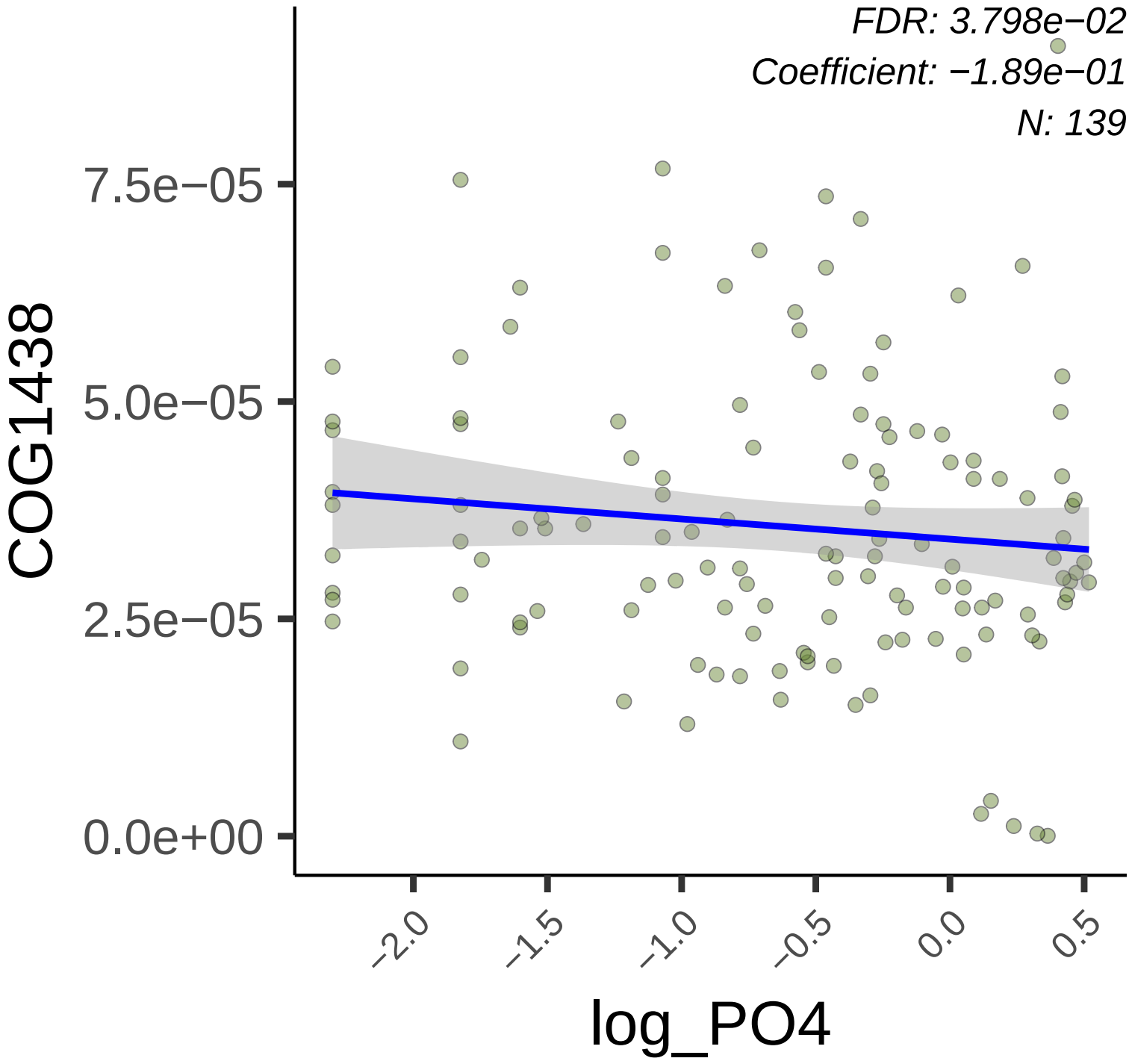
log_PO4


FDR: 3.798e−02
Coefficient: −1.89e−01
N: 139
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COG1438
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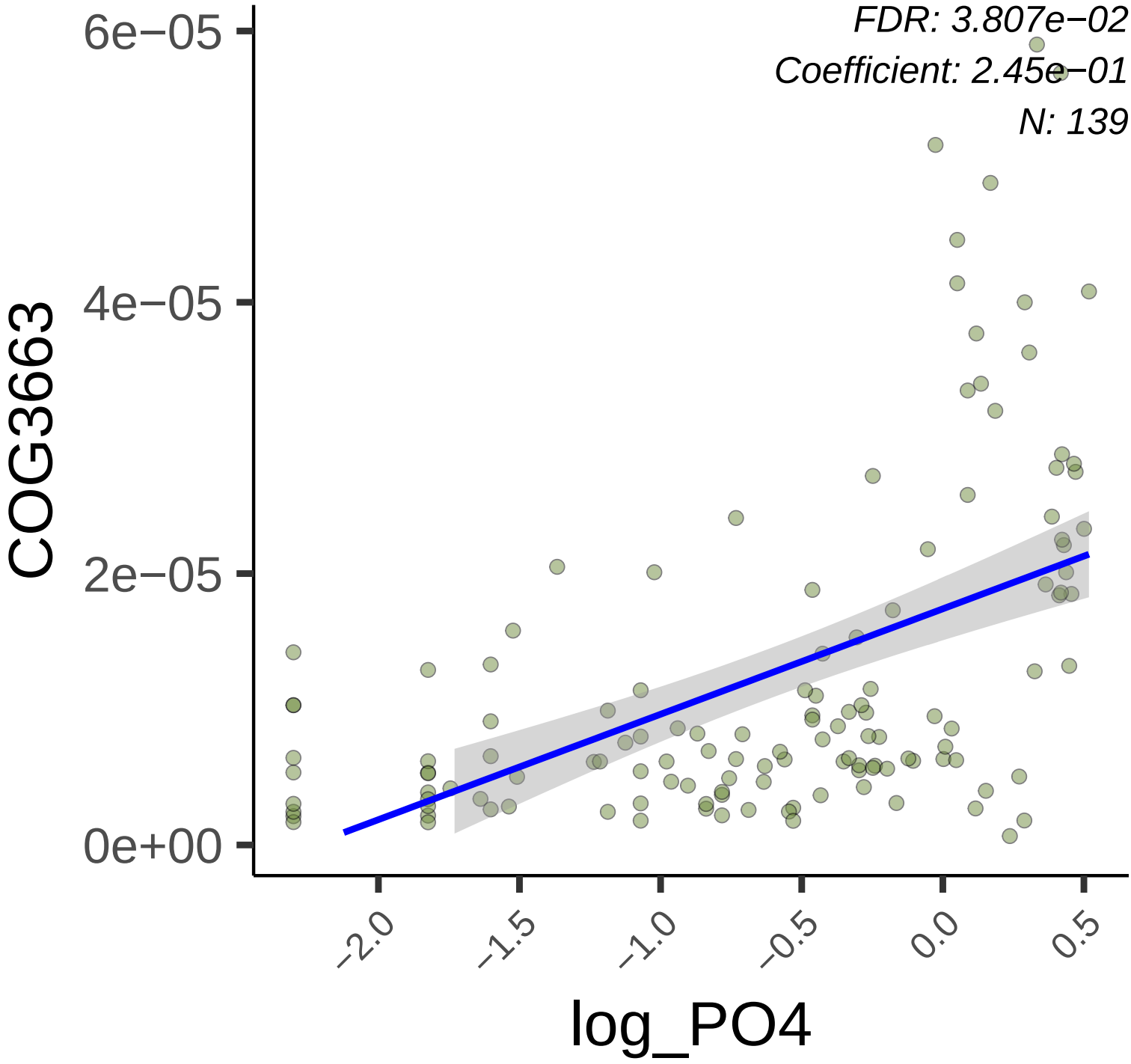
log_PO4


FDR: 3.807e−02
Coefficient: 2.45e−01
N: 139
COG3663
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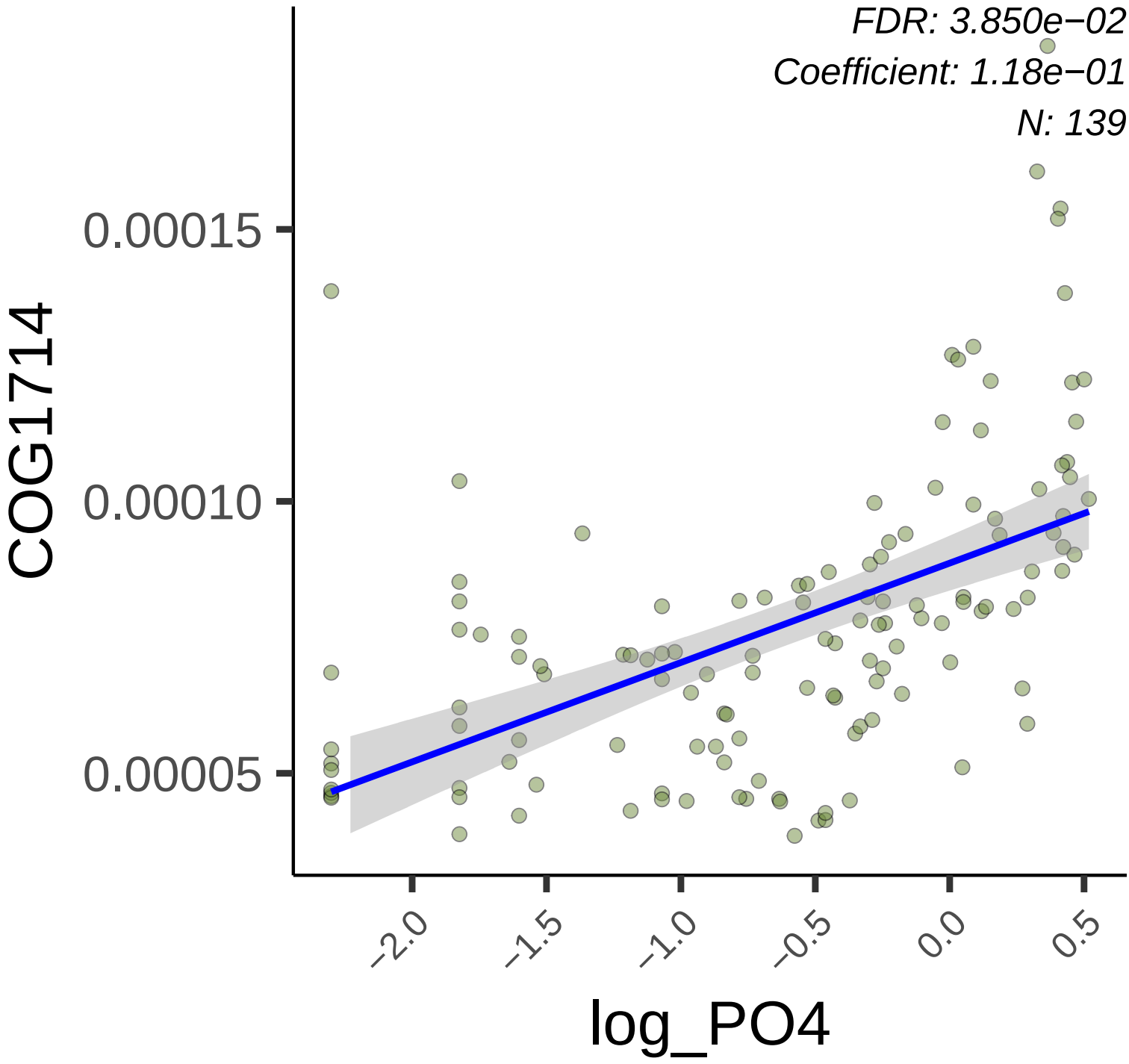
log_PO4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Coefficient: 1.18e−01
N: 139
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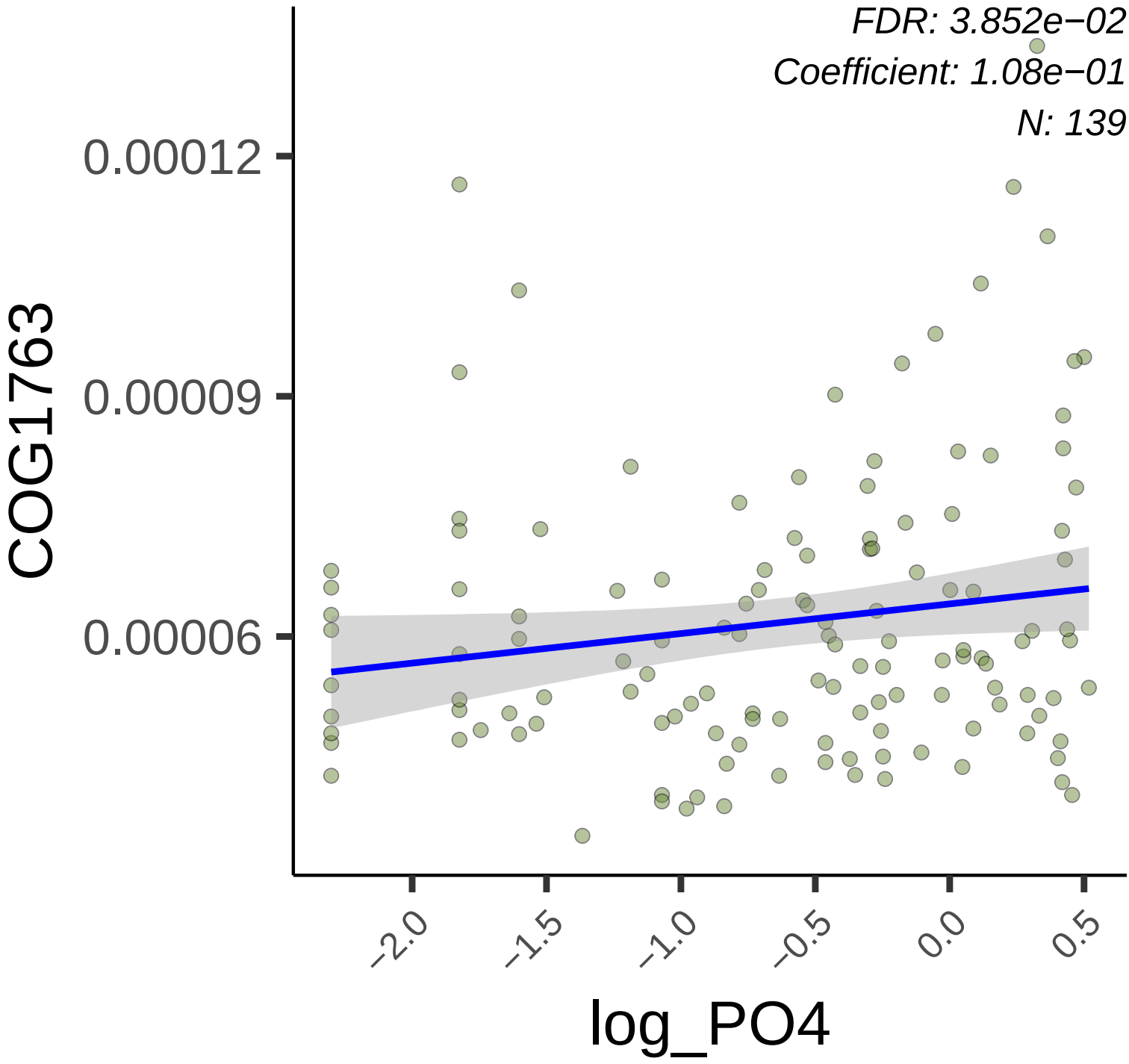
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Coefficient: 1.08e−01
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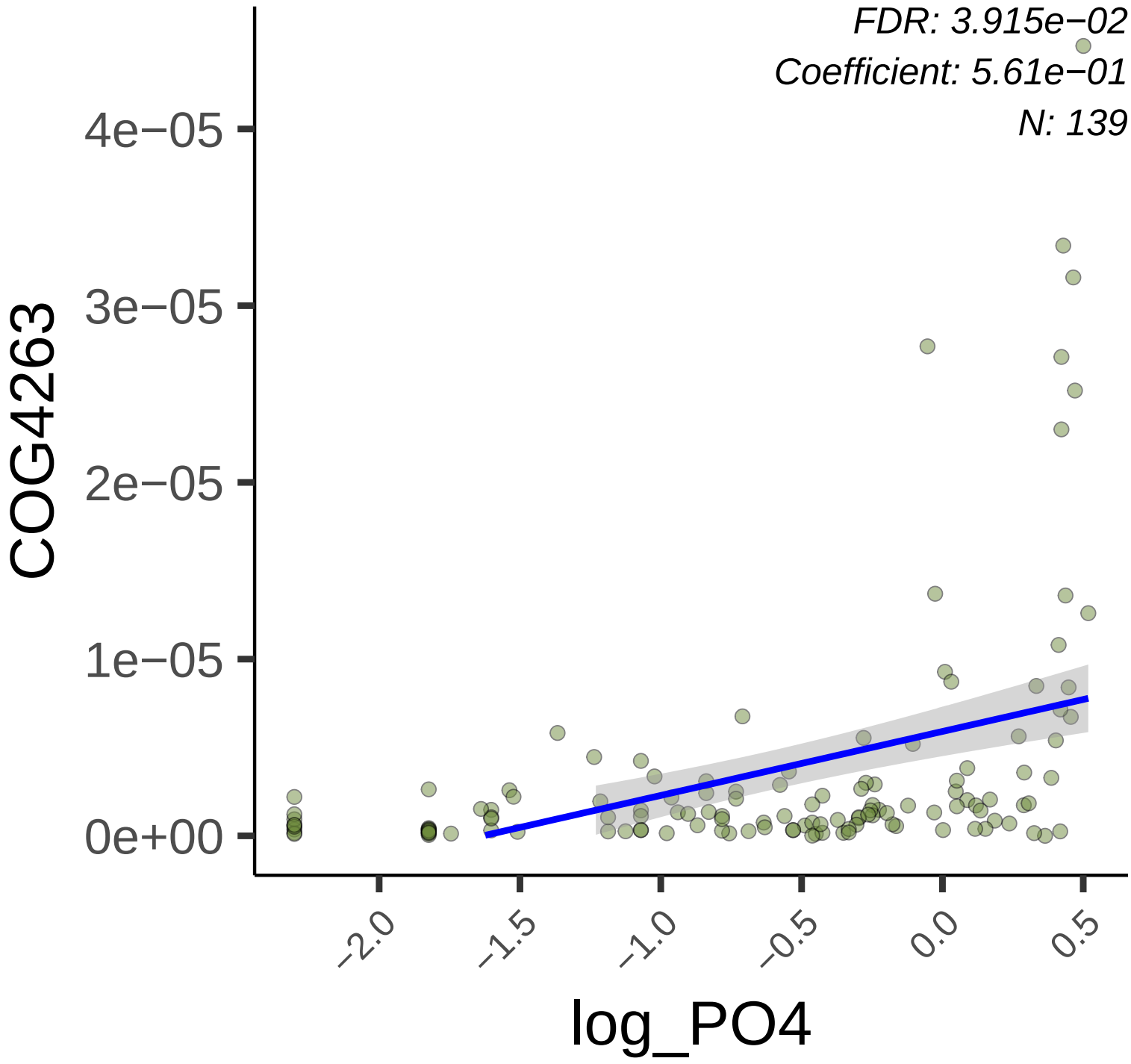
log_PO4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Coefficient: 5.61e−01
N: 139
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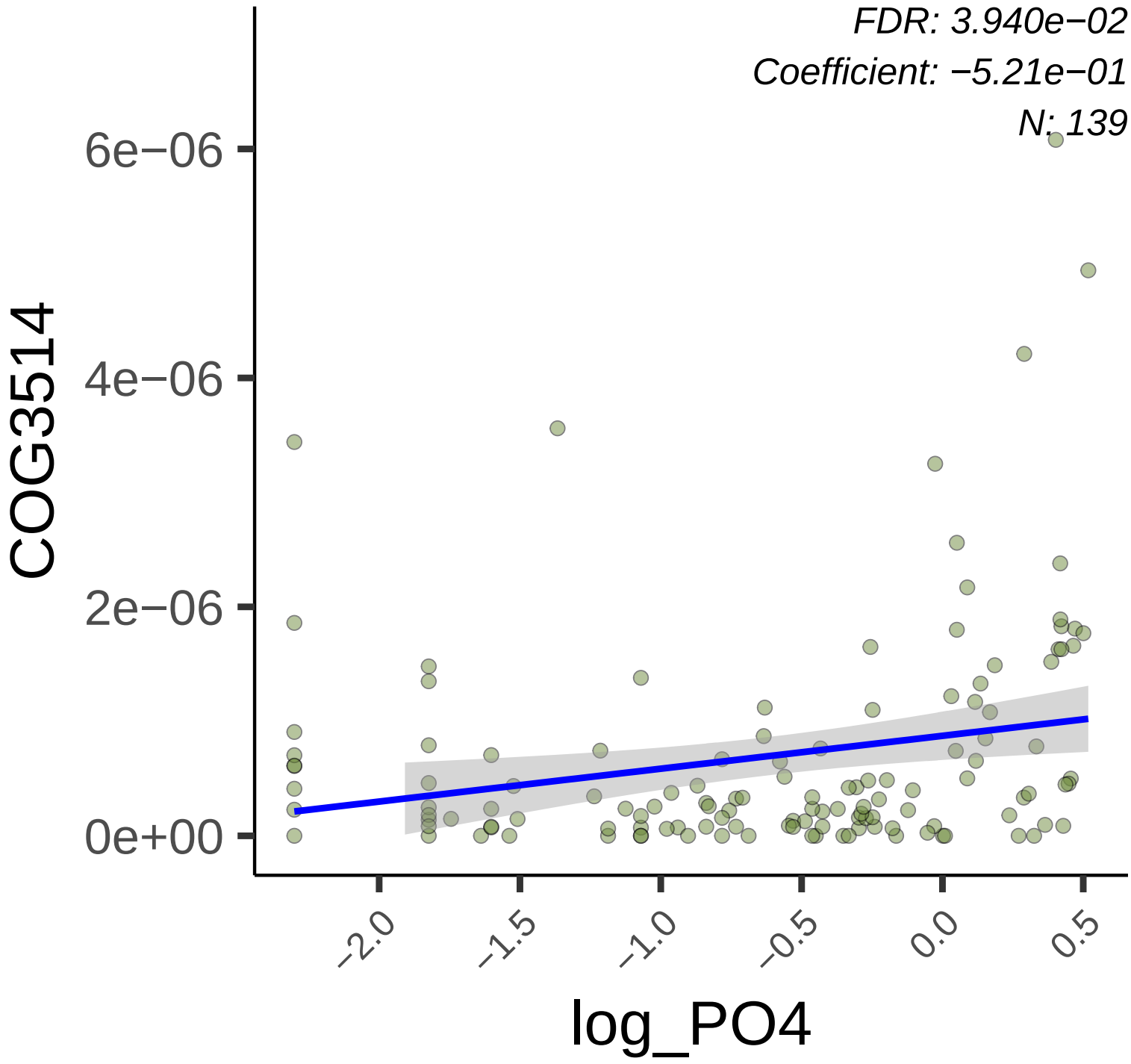
log_PO4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Coefficient: −5.21e−01
N: 139
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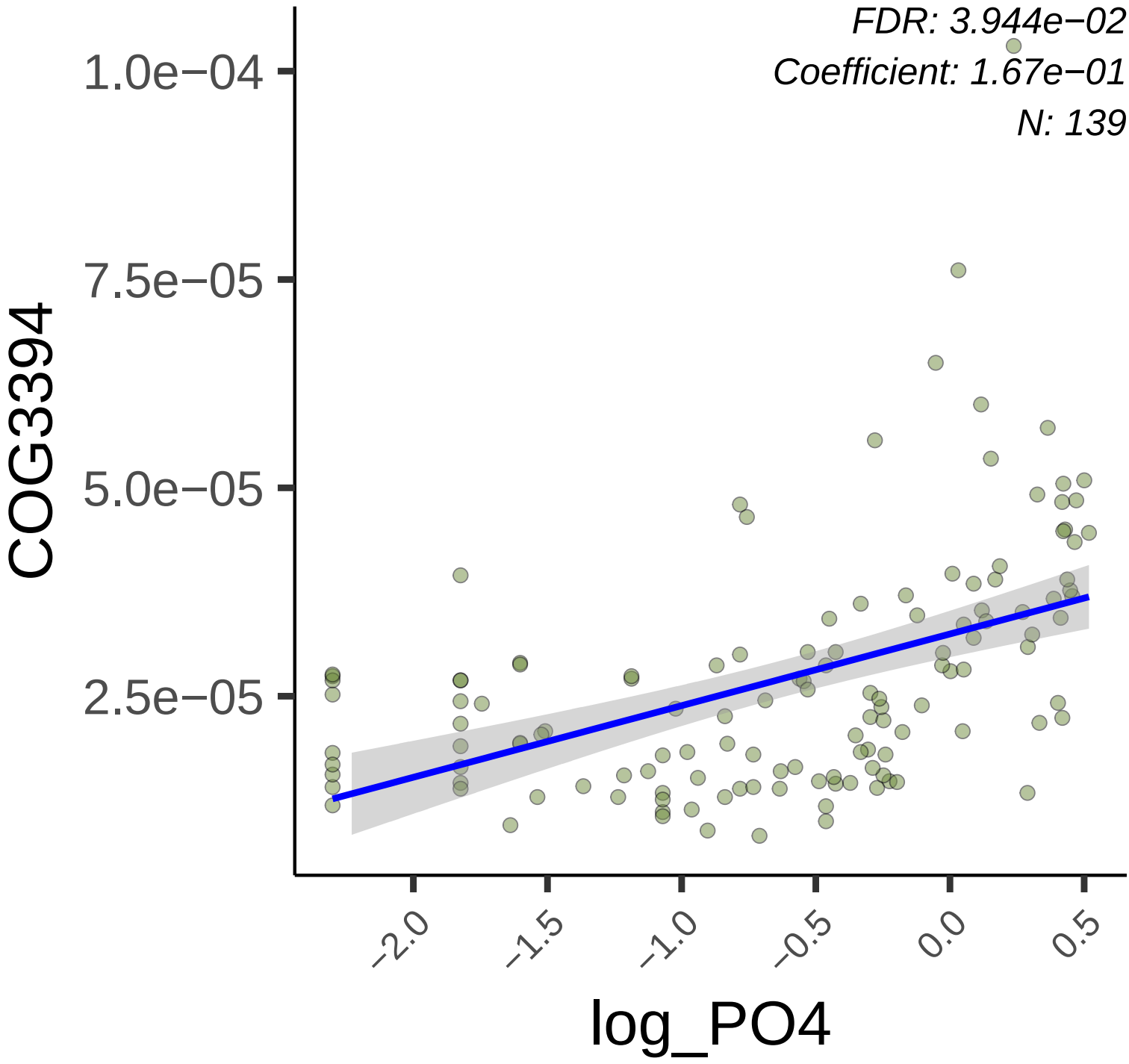
log_PO4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Coefficient: 1.67e−01
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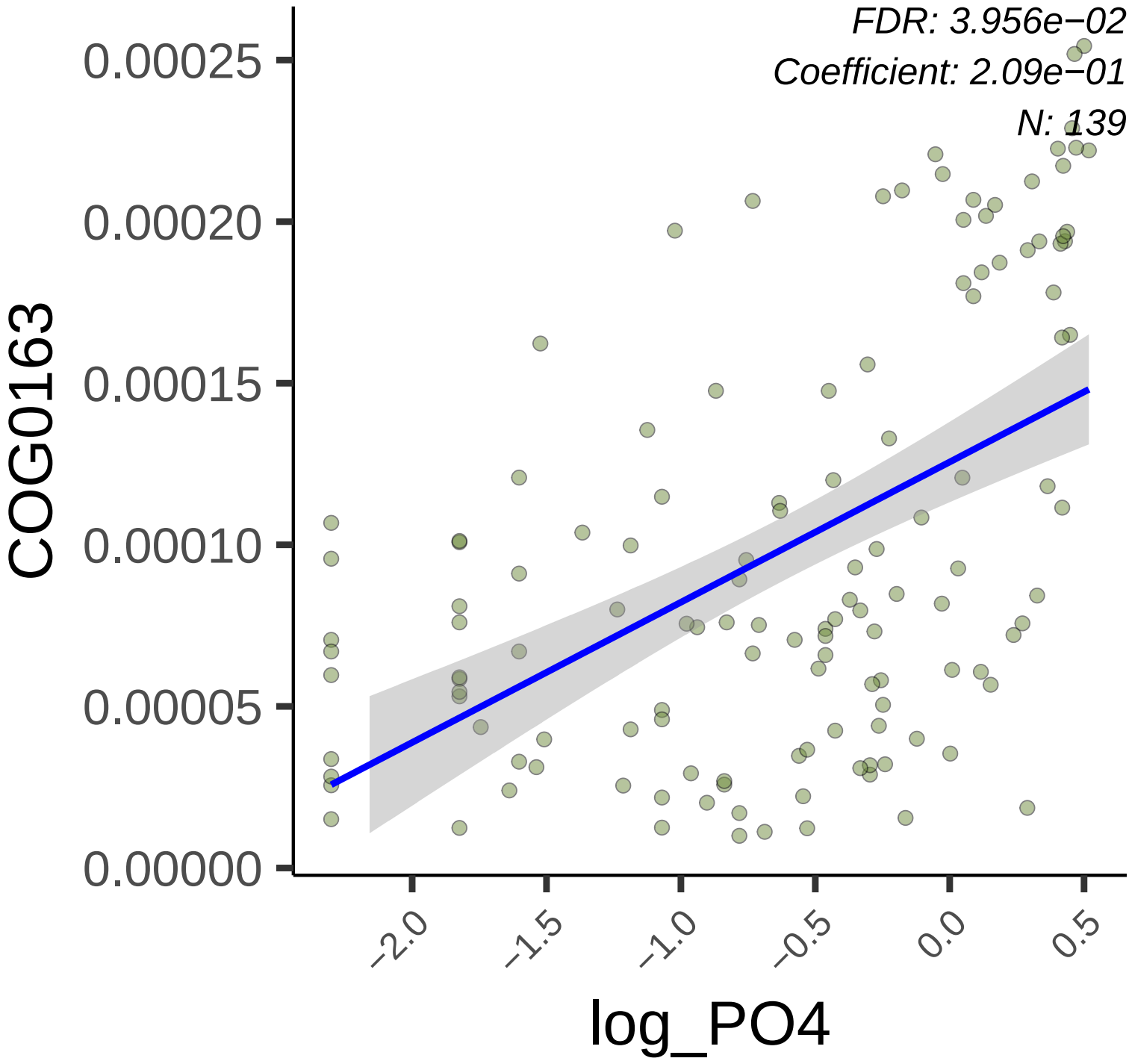
log_PO4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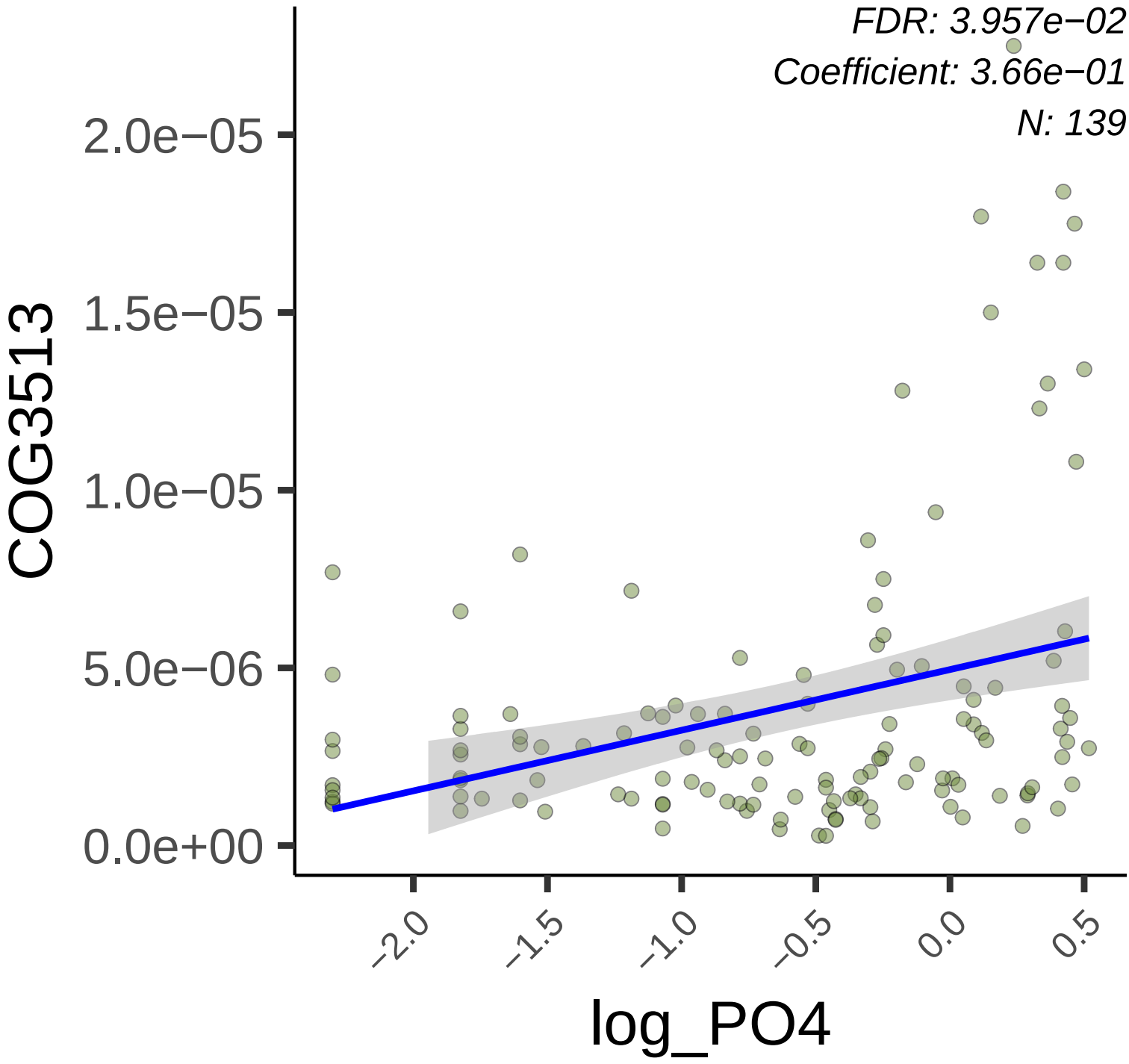
log_PO4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Coefficient: 3.66e−01
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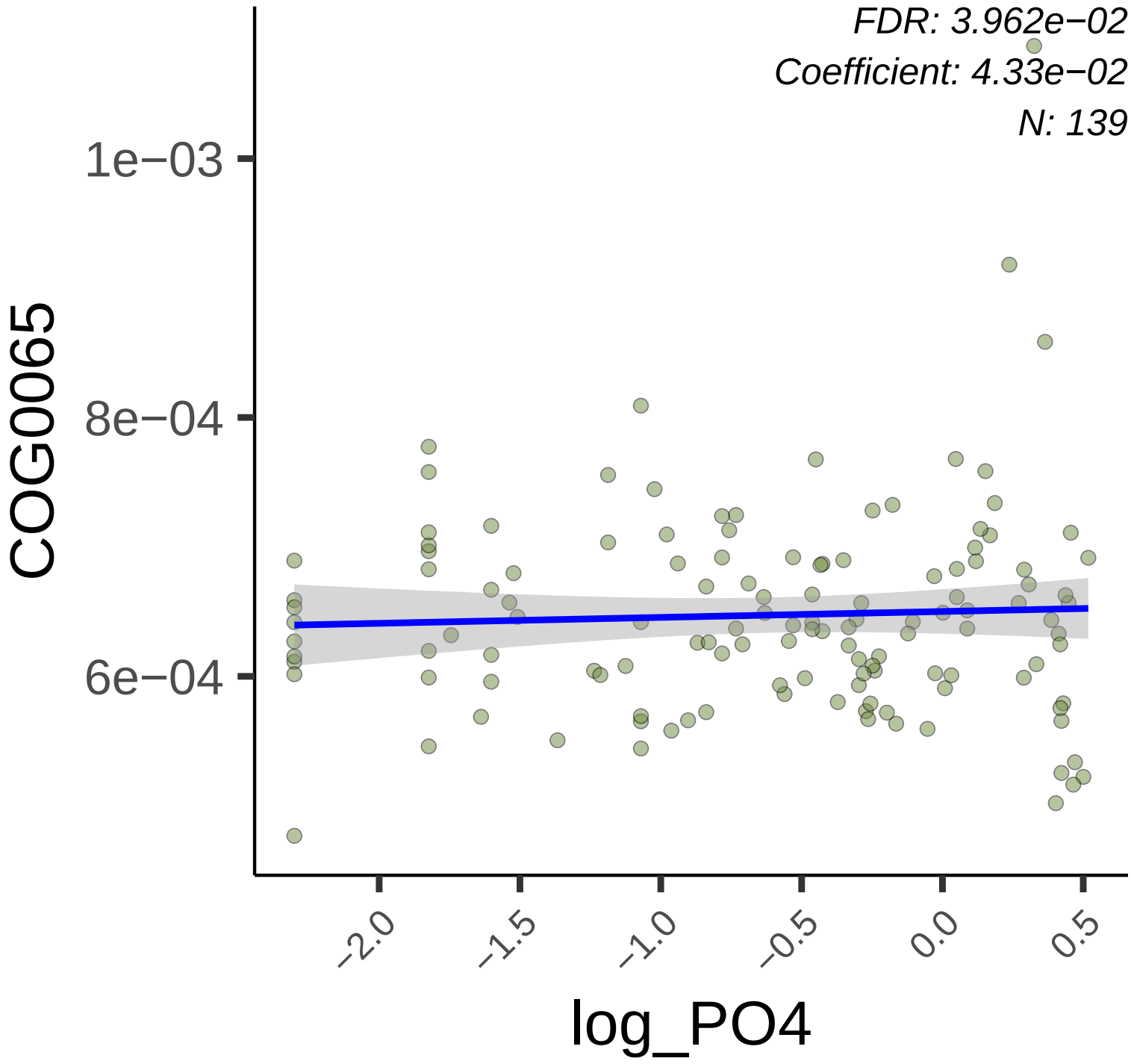
log_PO4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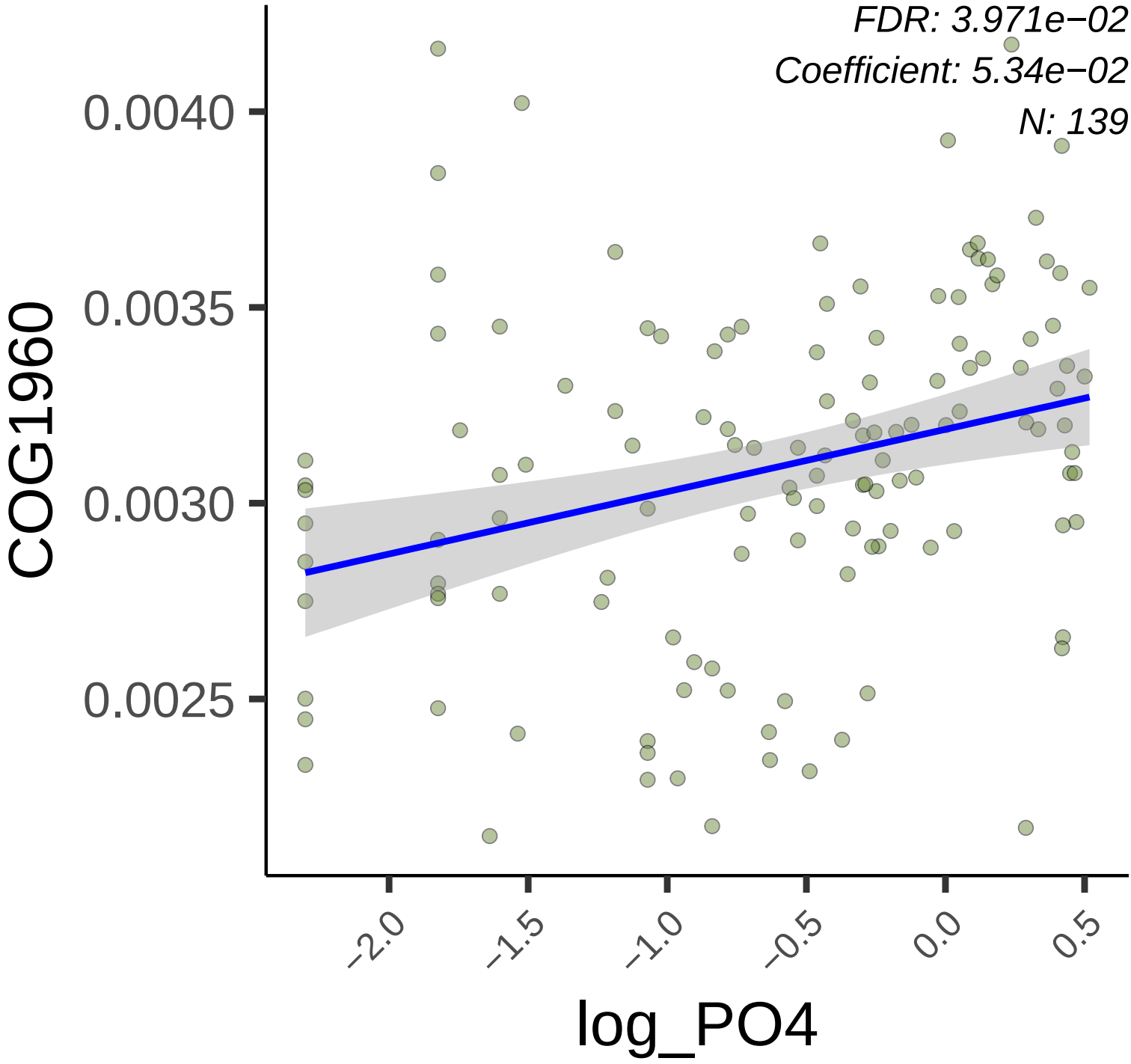
log_PO4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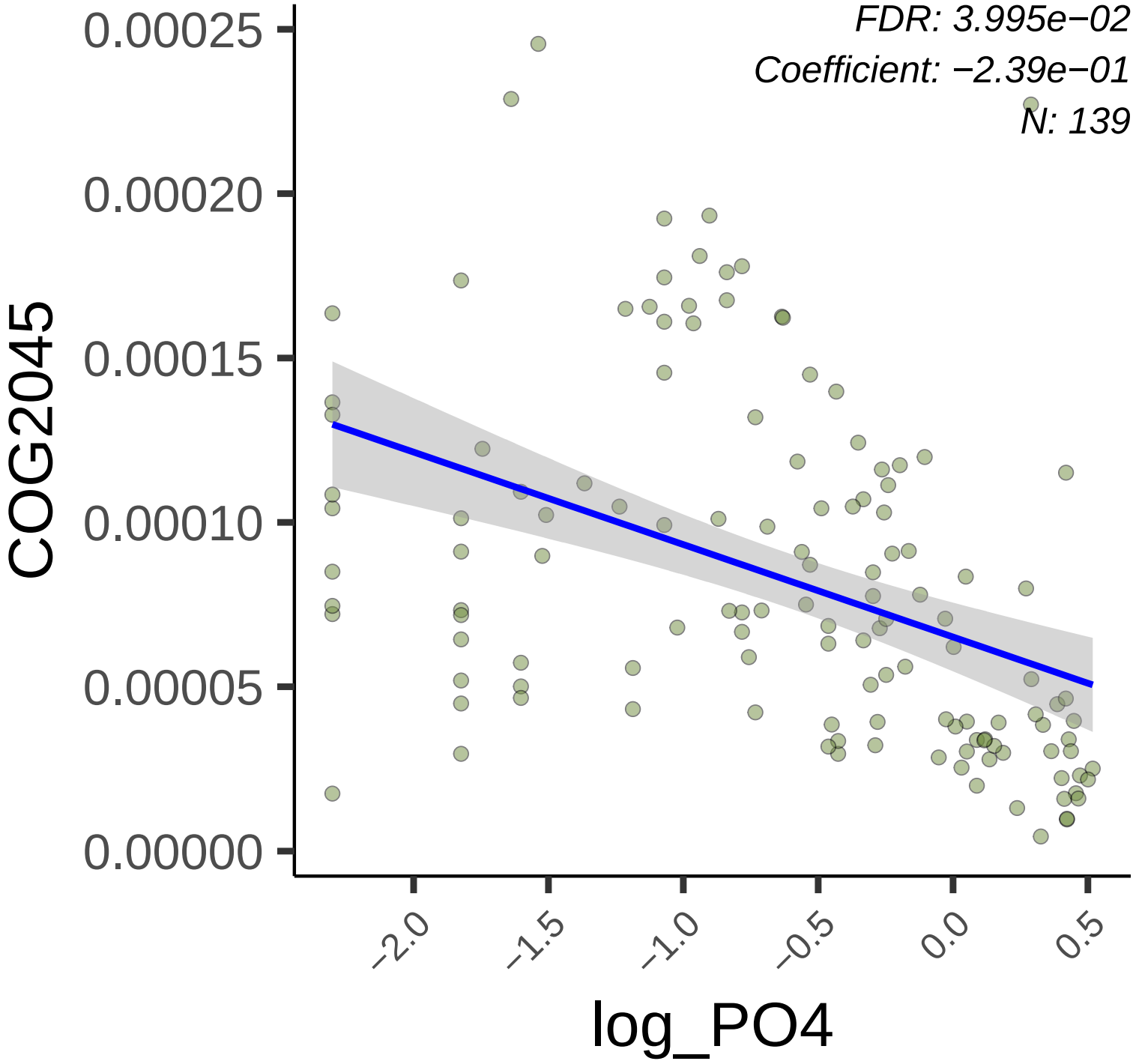
log_PO4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Coefficient: −2.39e−01
N: 139
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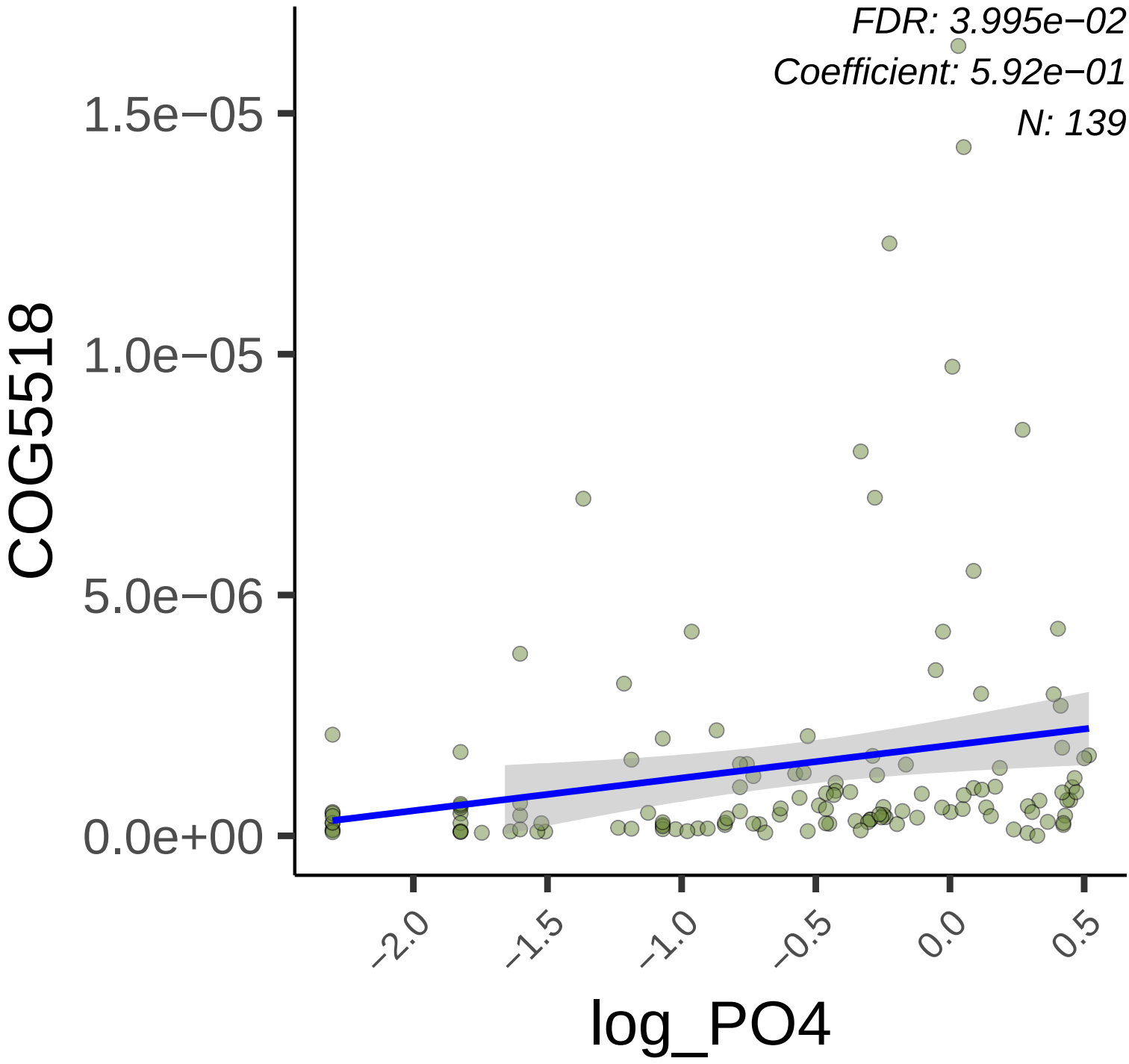
log_PO4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N: 139
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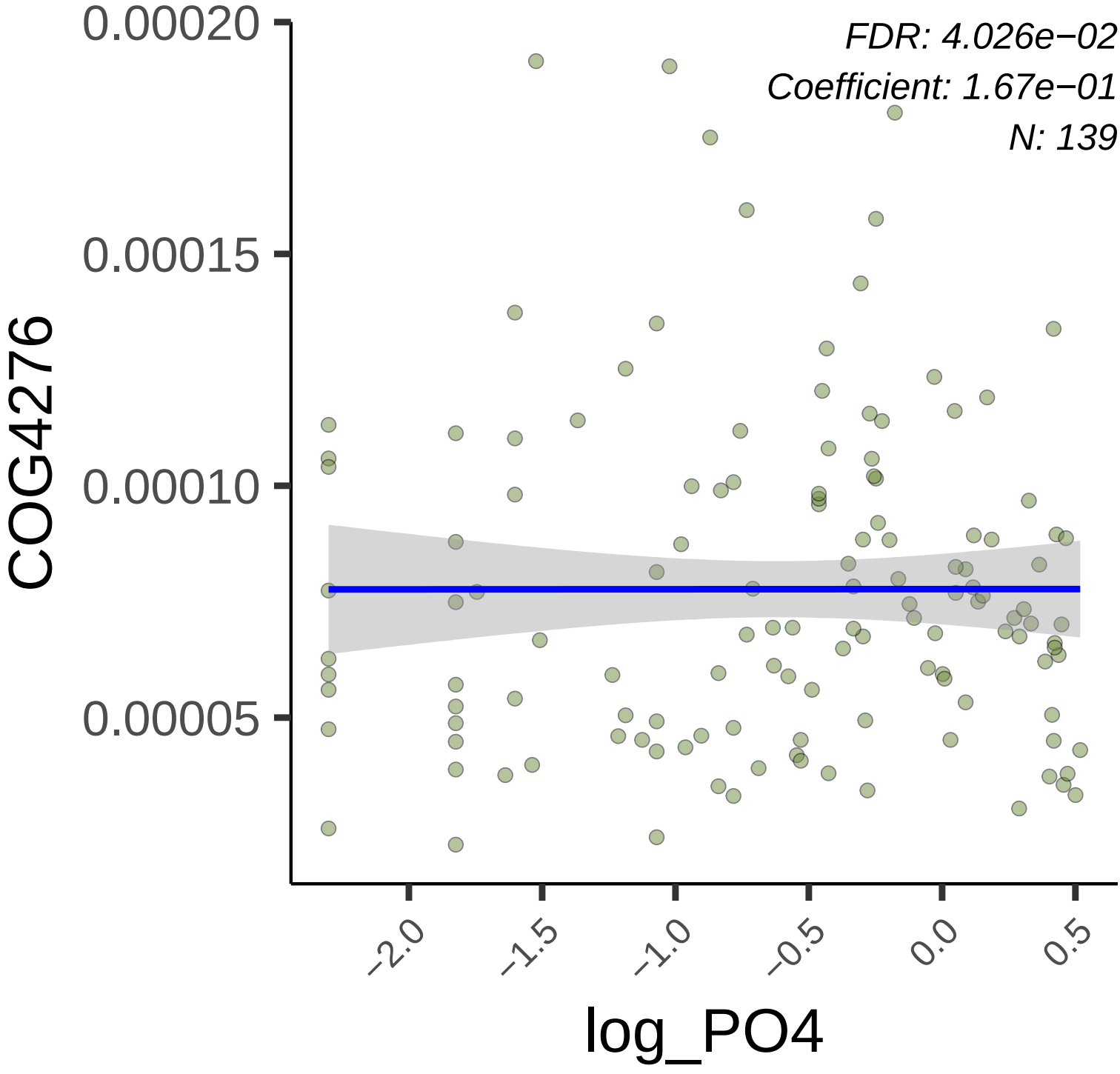
log_PO4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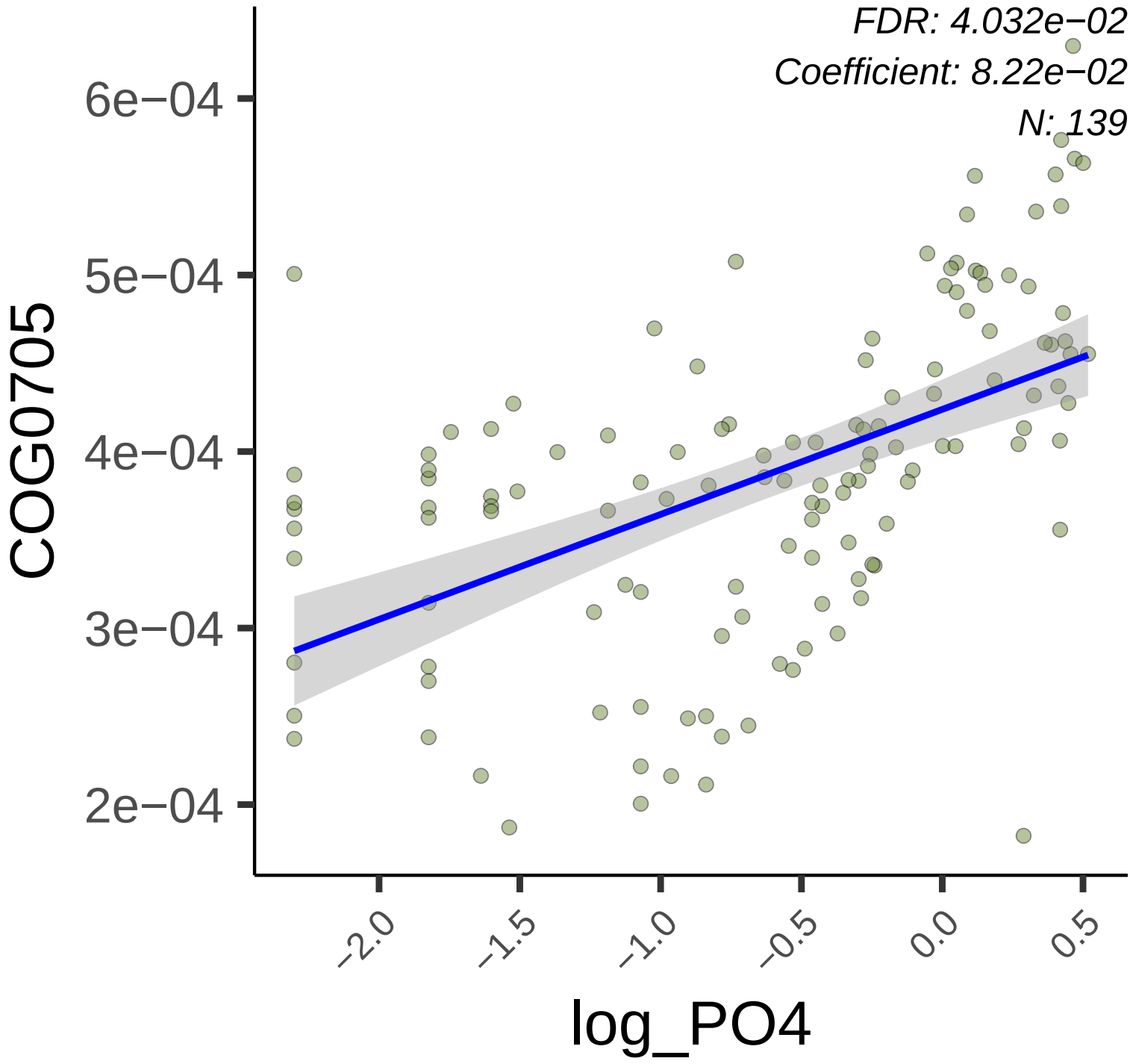
log_PO4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Coefficient: 8.22e−02
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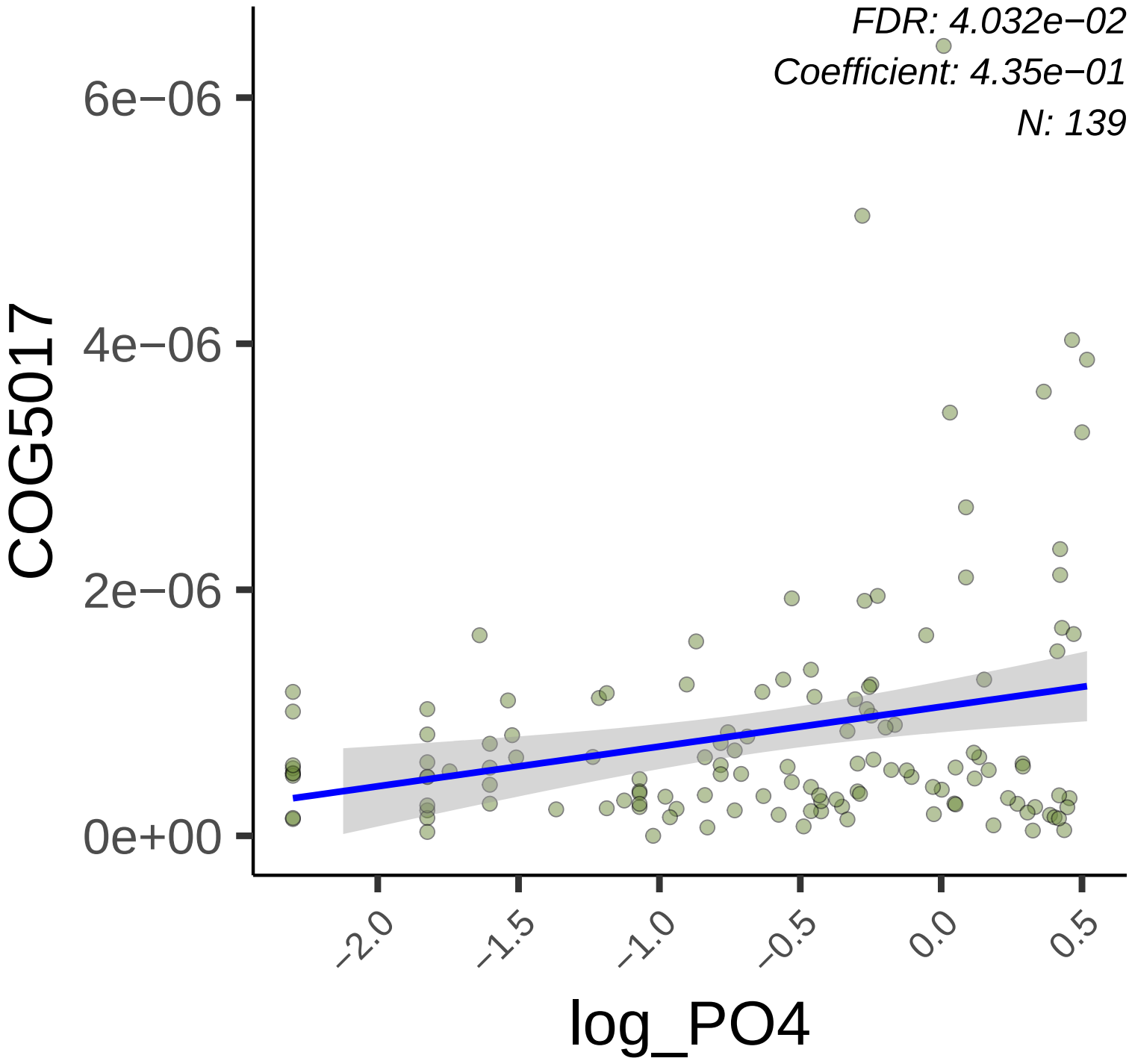
log_PO4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Coefficient: 4.35e−01
N: 139
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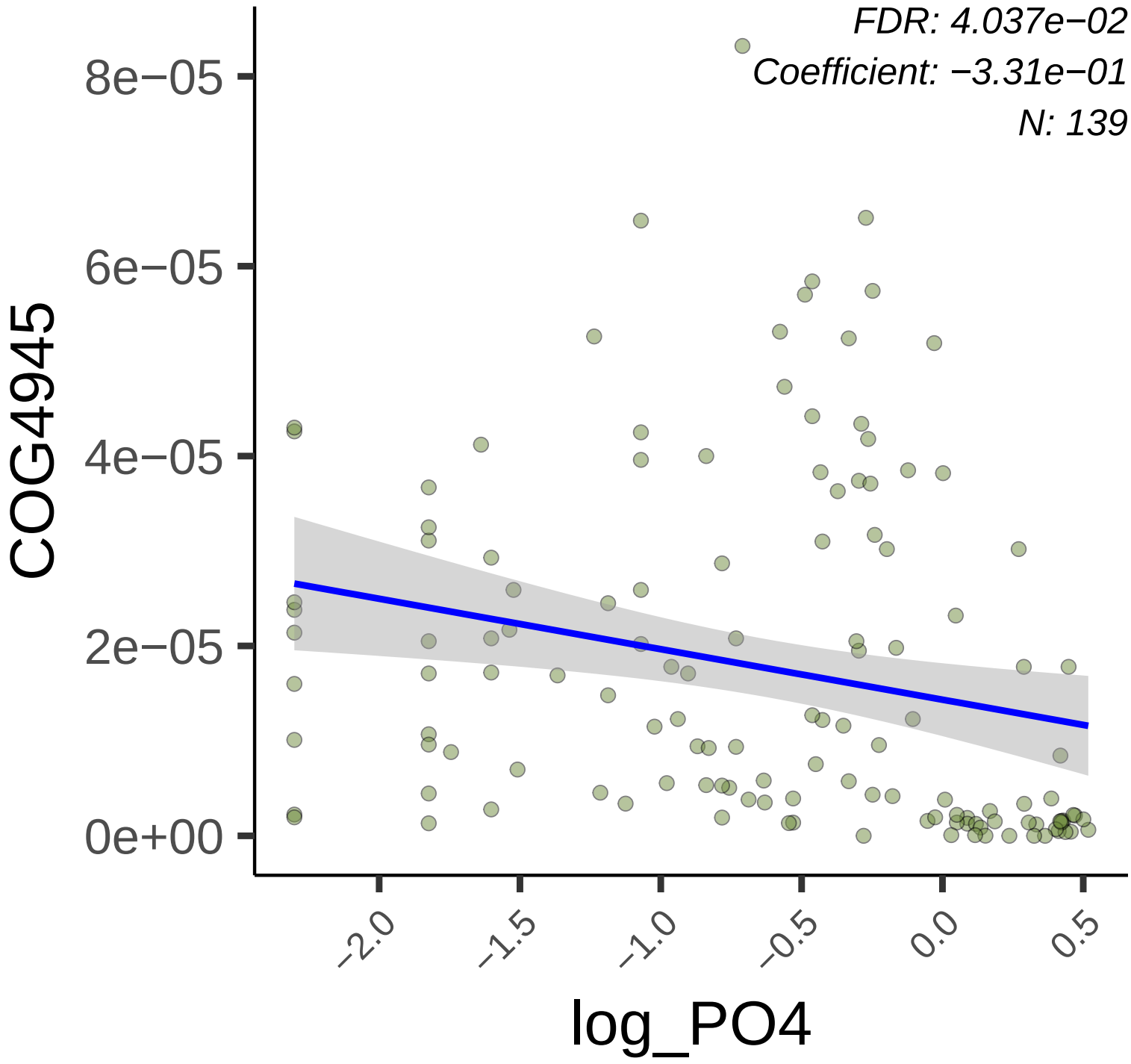
0.5
log_PO4


FDR: 4.037e−02
Coefficient: −3.31e−01
N: 139
COG4945
8e−05
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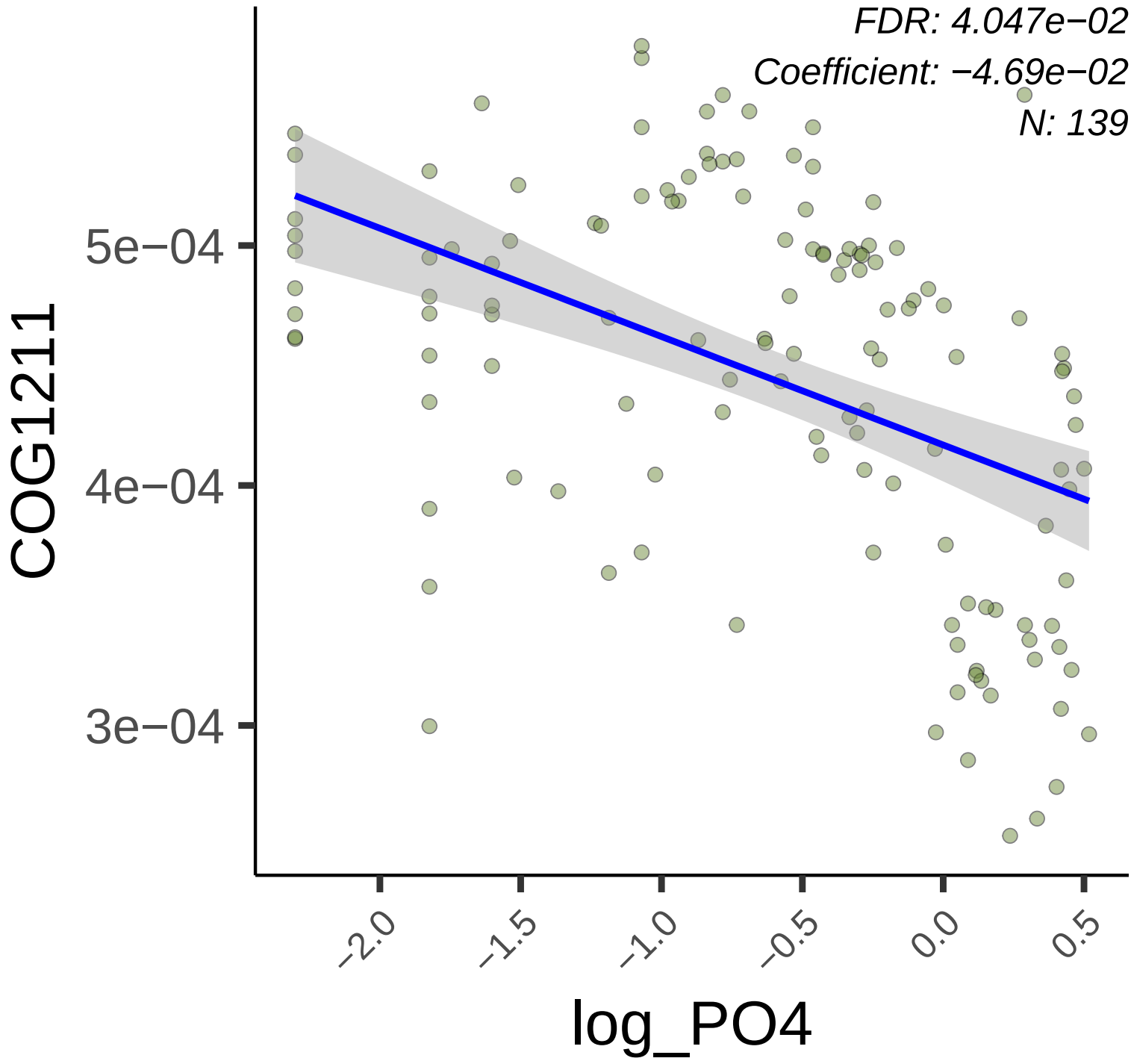
log_PO4


FDR: 4.047e−02
Coefficient: −4.69e−02
N: 139
COG1211
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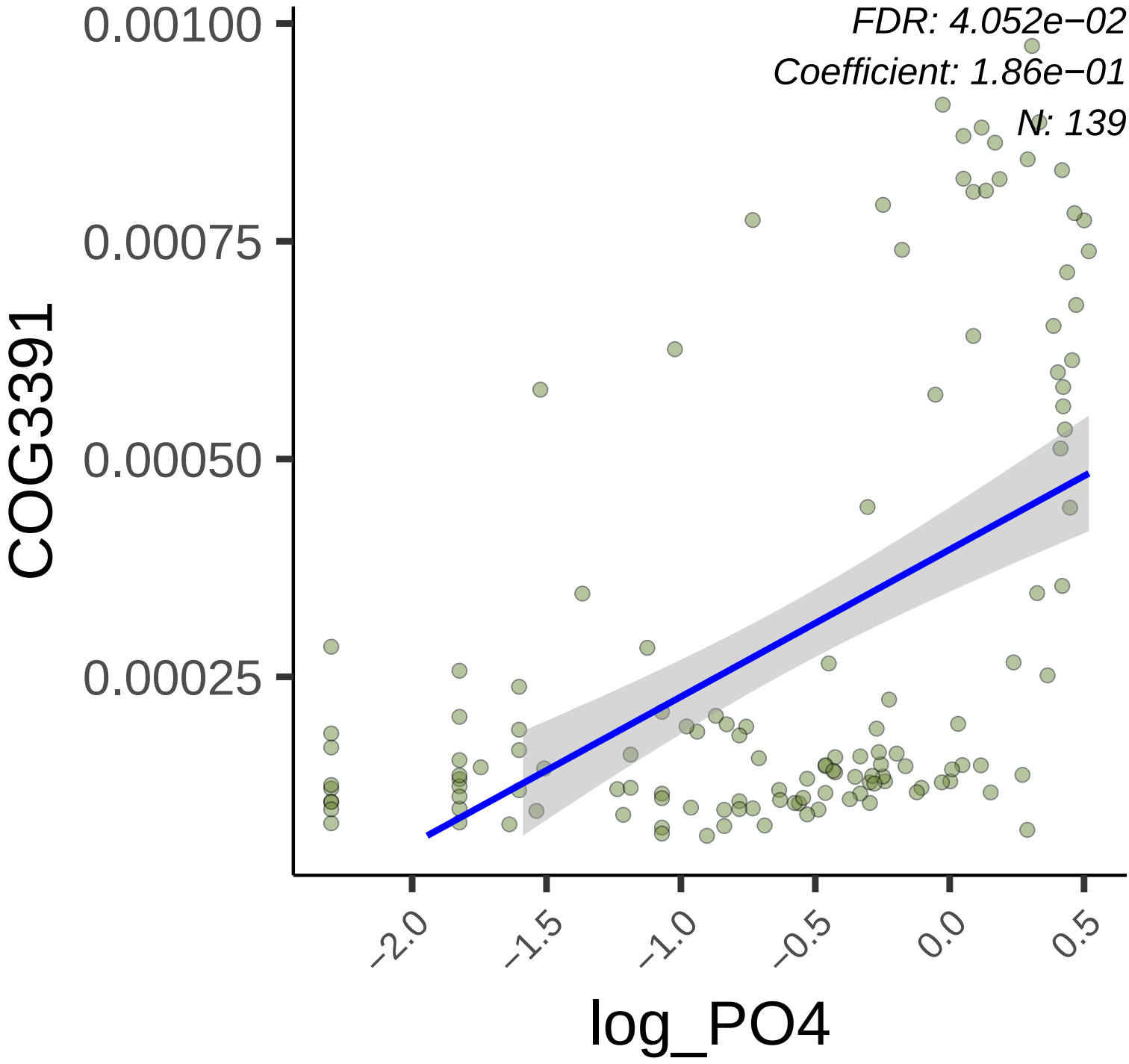
log_PO4


FDR: 4.052e−02
Coefficient: 1.86e−01
N: 139
0.00100
0.00075
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COG3391
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−1.5
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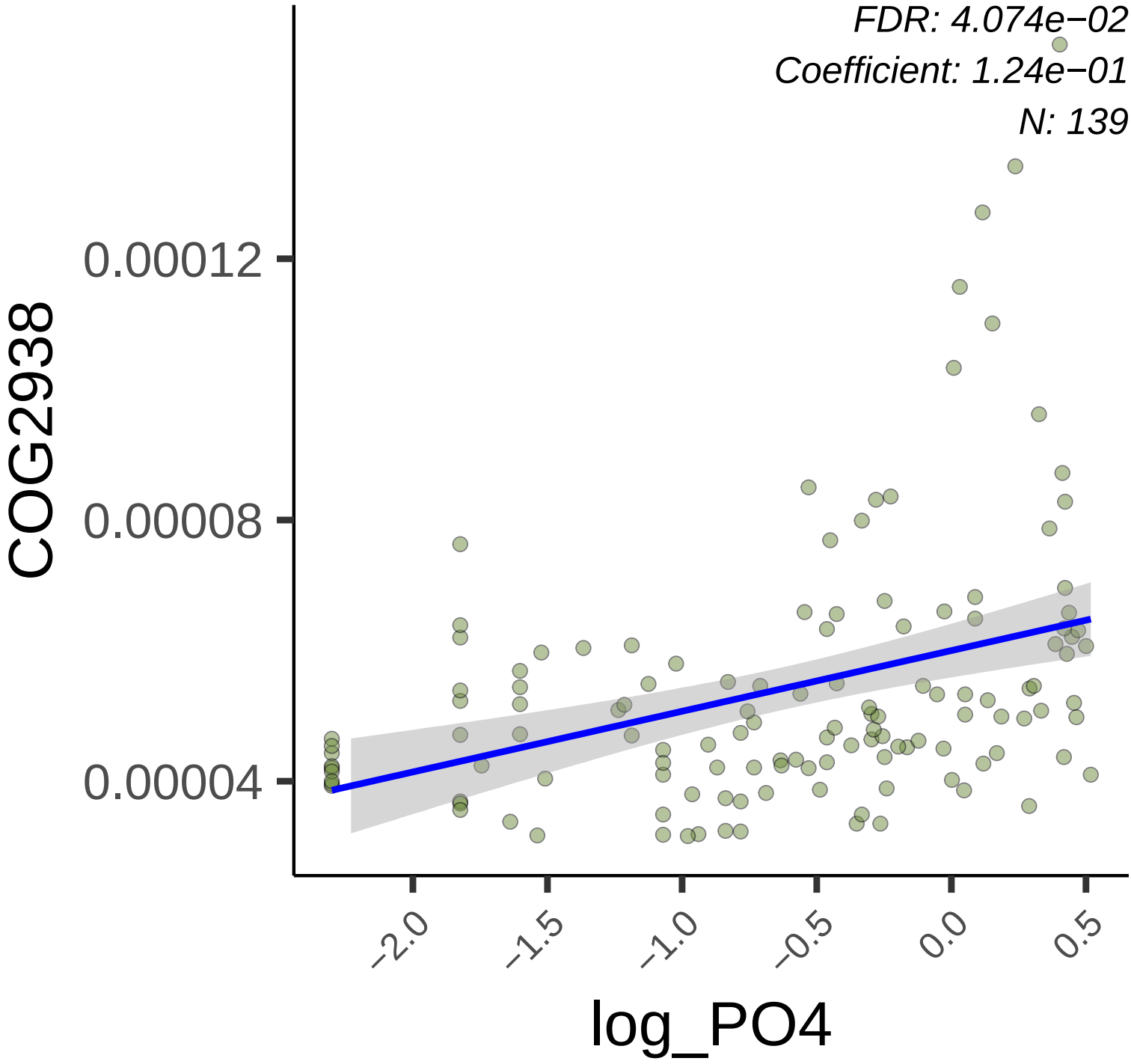
log_PO4


FDR: 4.074e−02
Coefficient: 1.24e−01
N: 139
COG2938
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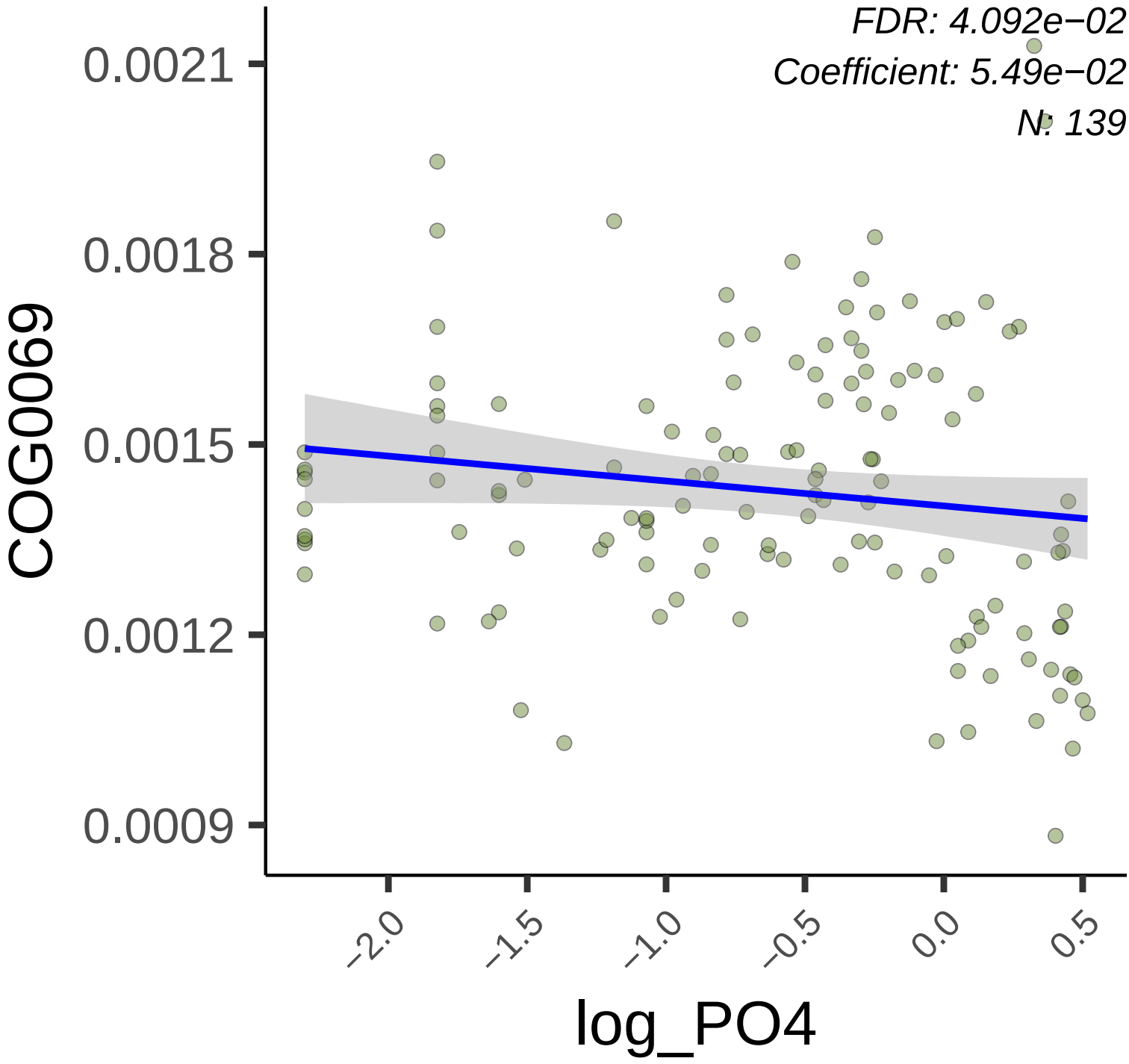
log_PO4


FDR: 4.092e−02
Coefficient: 5.49e−02
N: 139
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0.0018
0.0015
0.0012
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COG0069
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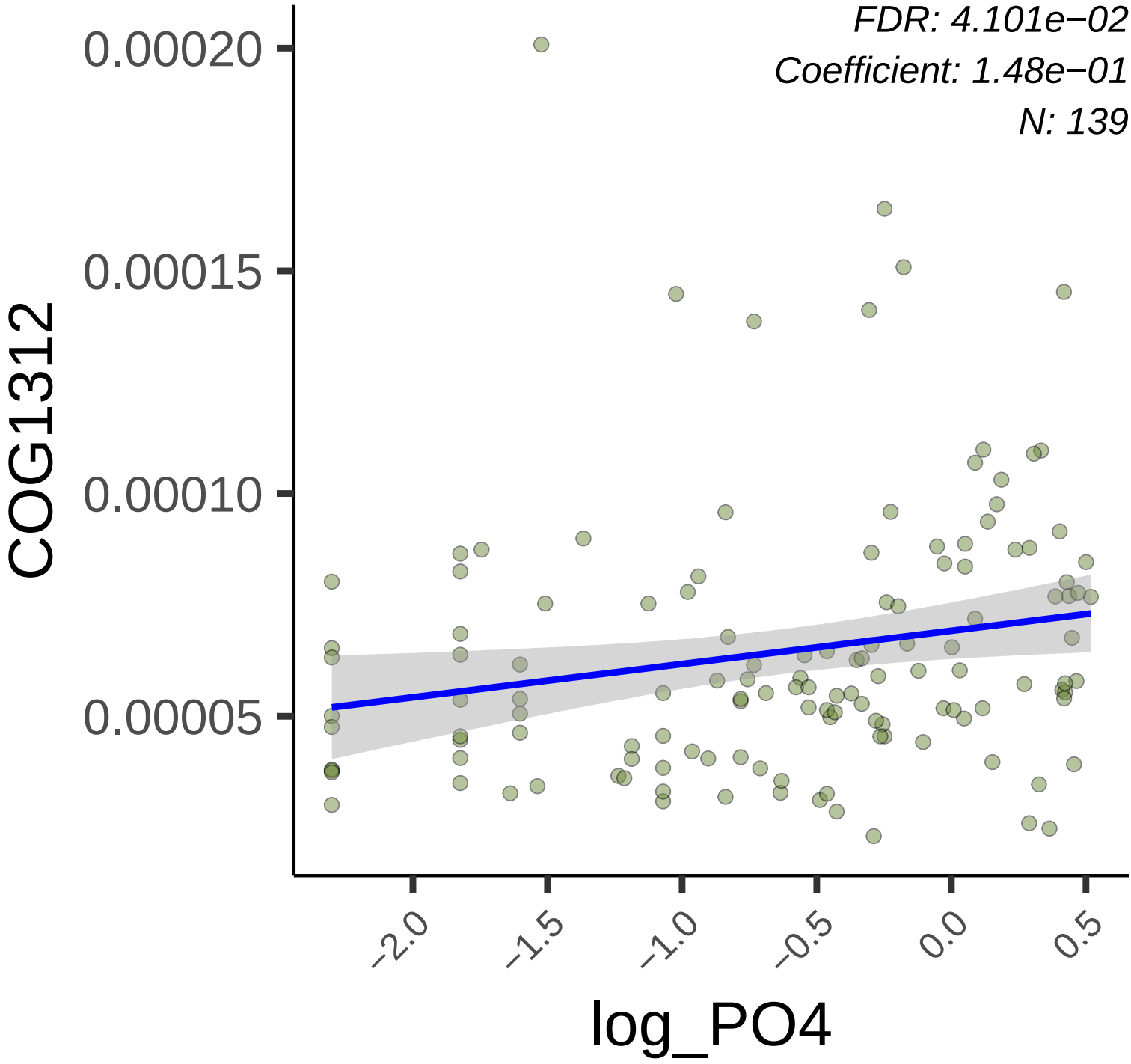
log_PO4


FDR: 4.101e−02
Coefficient: 1.48e−01
N: 139
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COG1312
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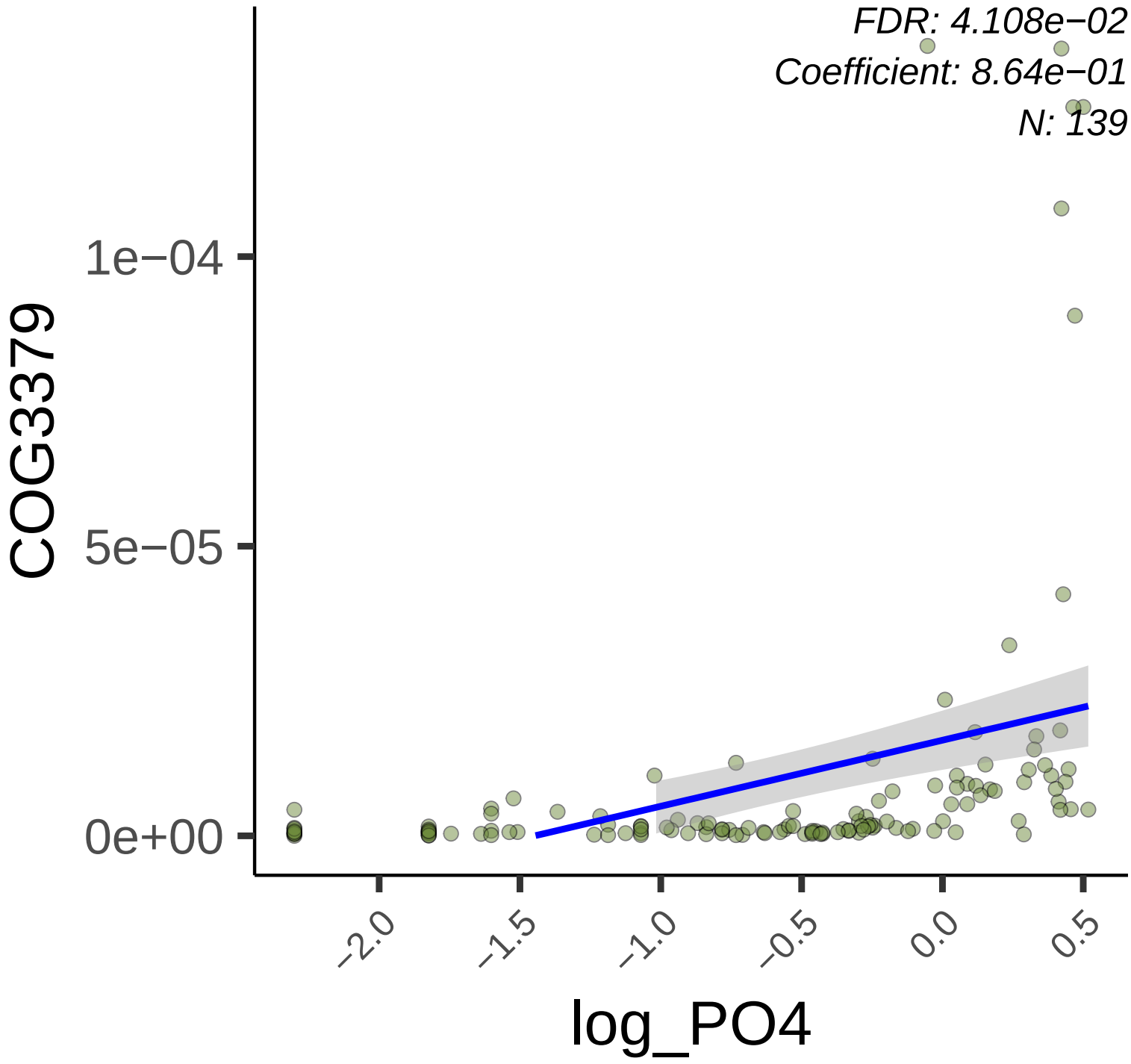
0.5
log_PO4


FDR: 4.108e−02
Coefficient: 8.64e−01
N: 139
COG3379
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5e−05
0e+00
−2.0
−1.5
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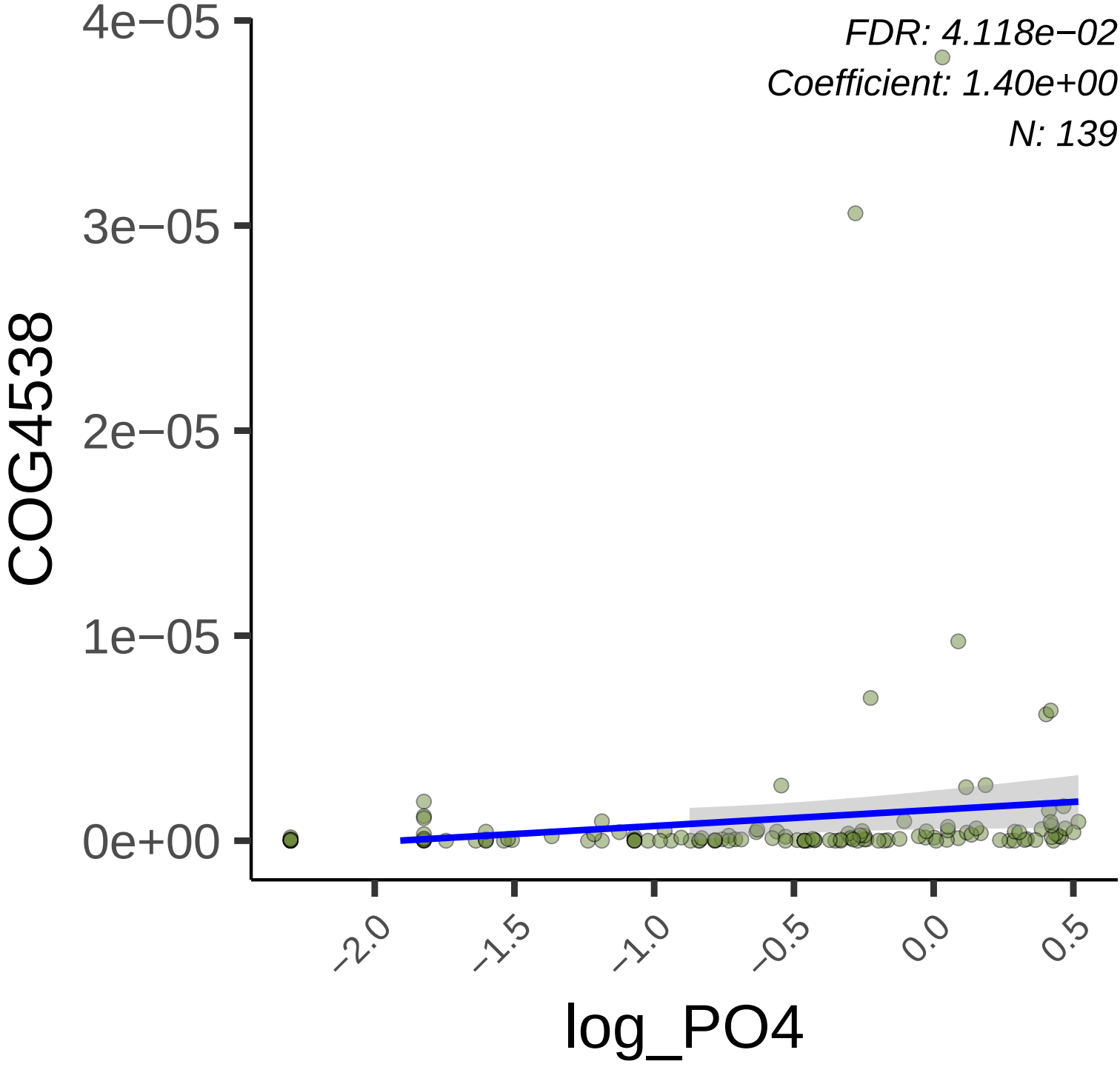
log_PO4


FDR: 4.118e−02
Coefficient: 1.40e+00
N: 139
COG4538
4e−05
3e−05
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0e+00
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−1.5
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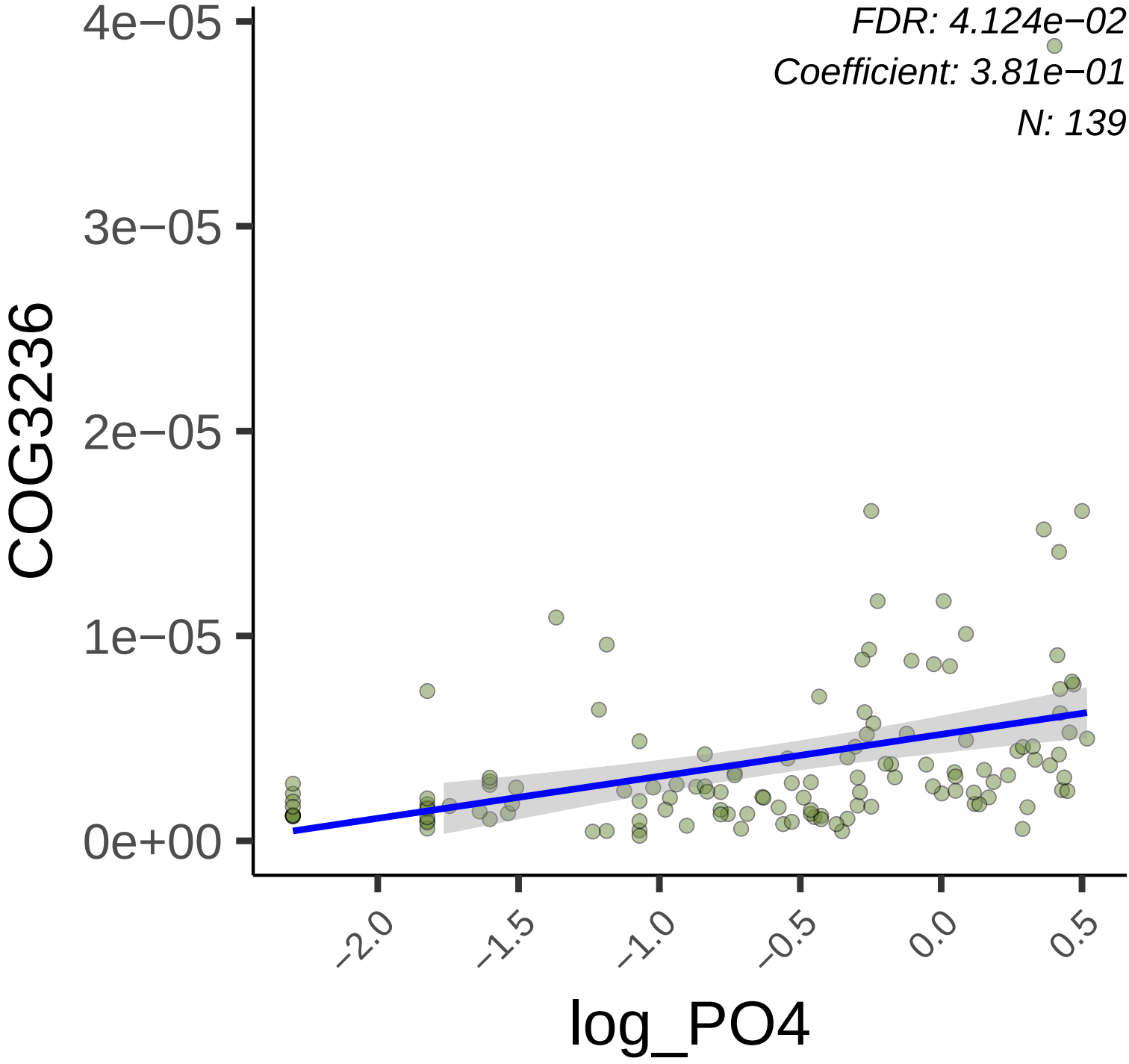
log_PO4


FDR: 4.124e−02
Coefficient: 3.81e−01
N: 139
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3e−05
2e−05
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COG3236
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−1.5
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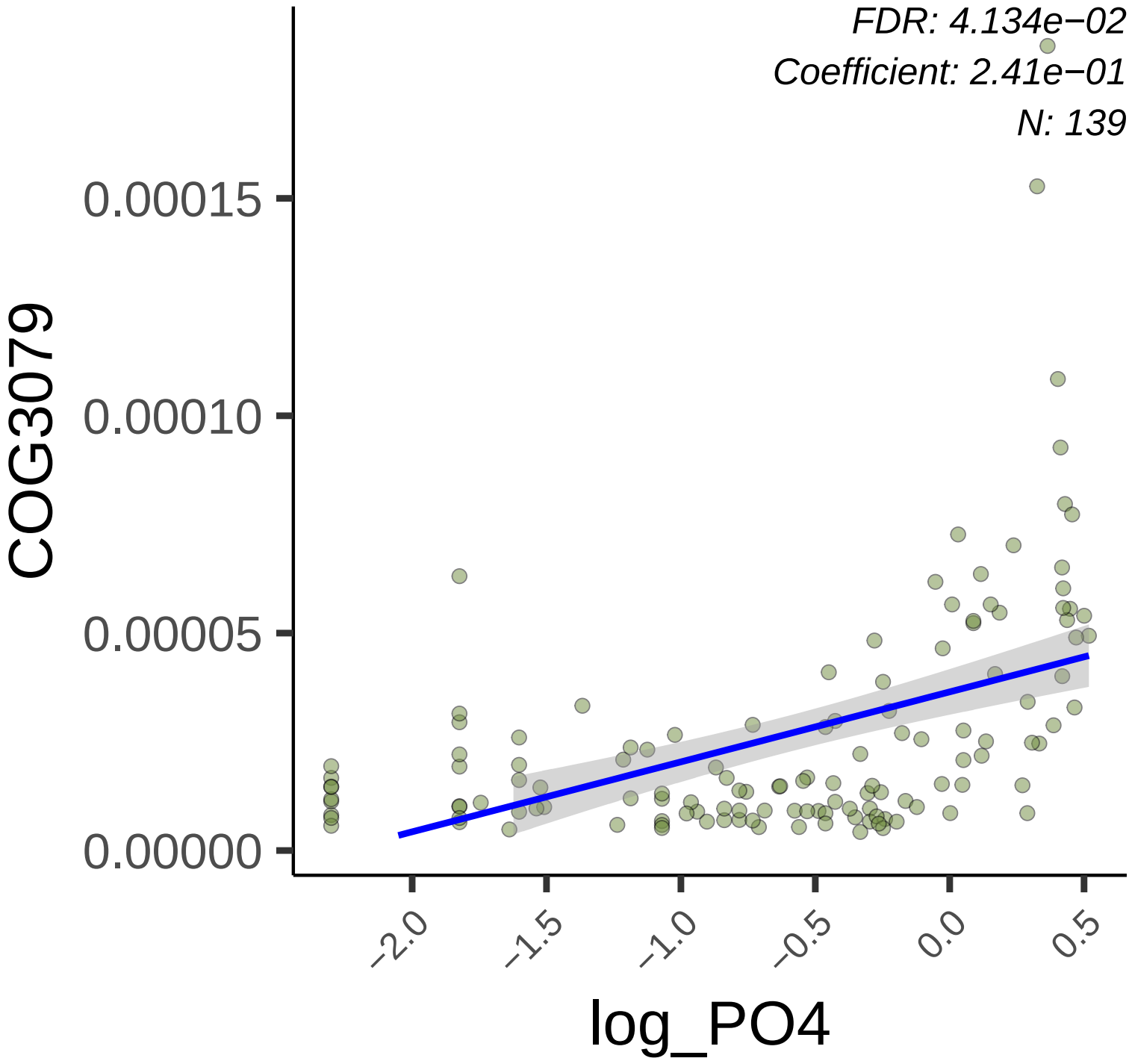
log_PO4


FDR: 4.134e−02
Coefficient: 2.41e−01
N: 139
COG3079
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0.00010
0.00005
0.00000
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−1.5
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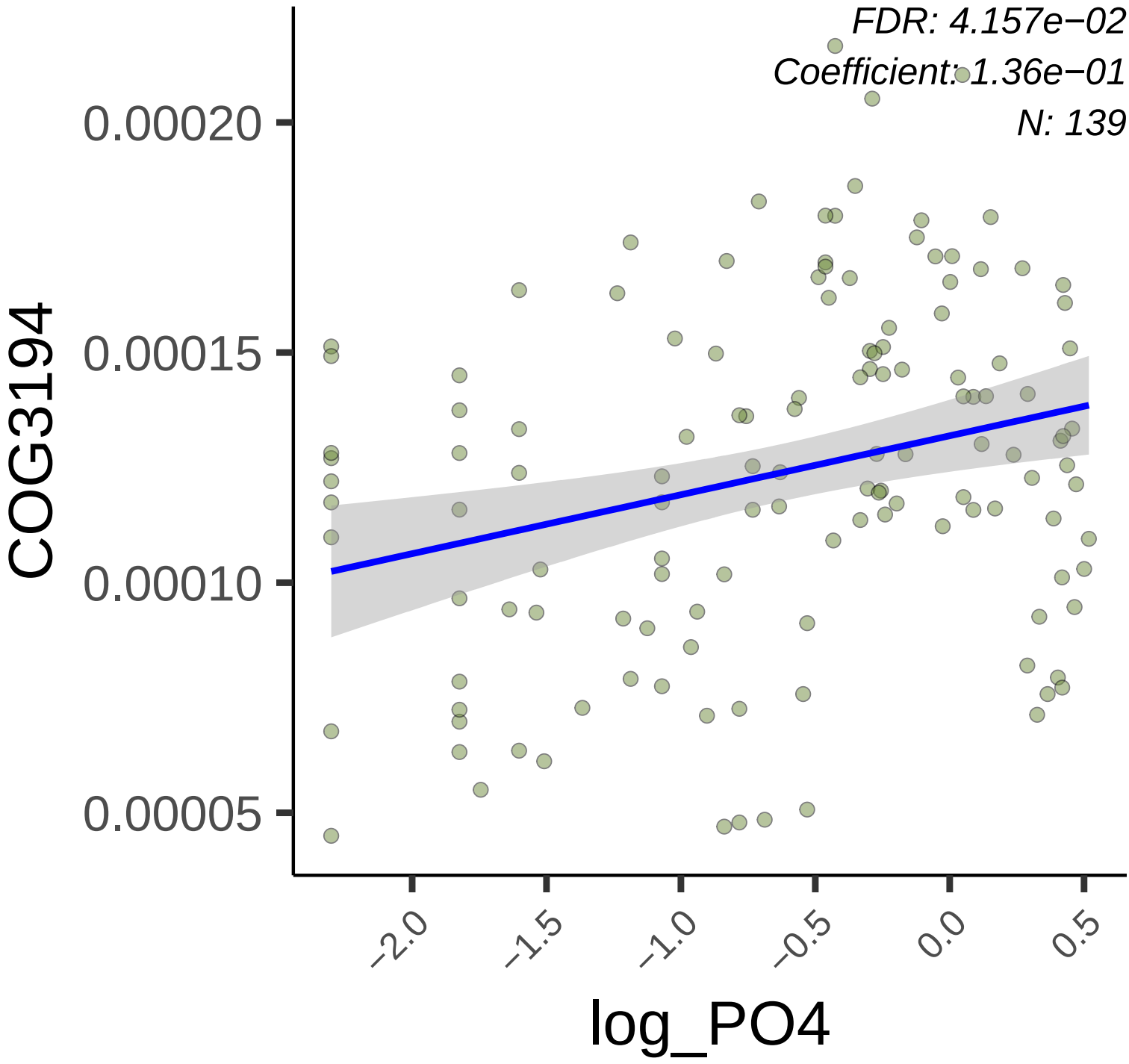
log_PO4


FDR: 4.157e−02
Coefficient: 1.36e−01
N: 139
0.00020
0.00015
0.00010
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COG3194
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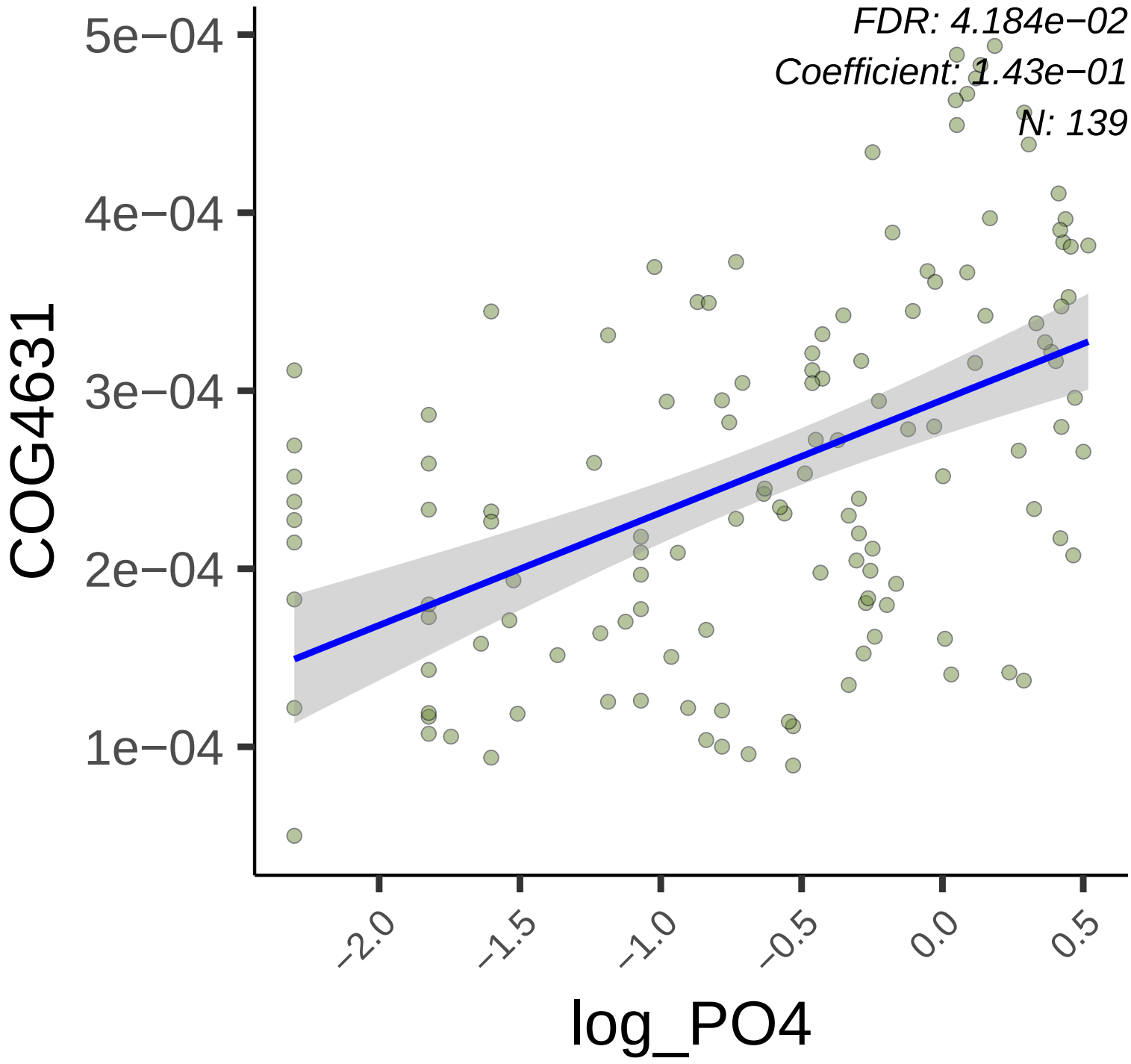
0.5
log_PO4


FDR: 4.184e−02
Coefficient: 1.43e−01
N: 139
5e−04
4e−04
3e−04
2e−04
1e−04
COG4631
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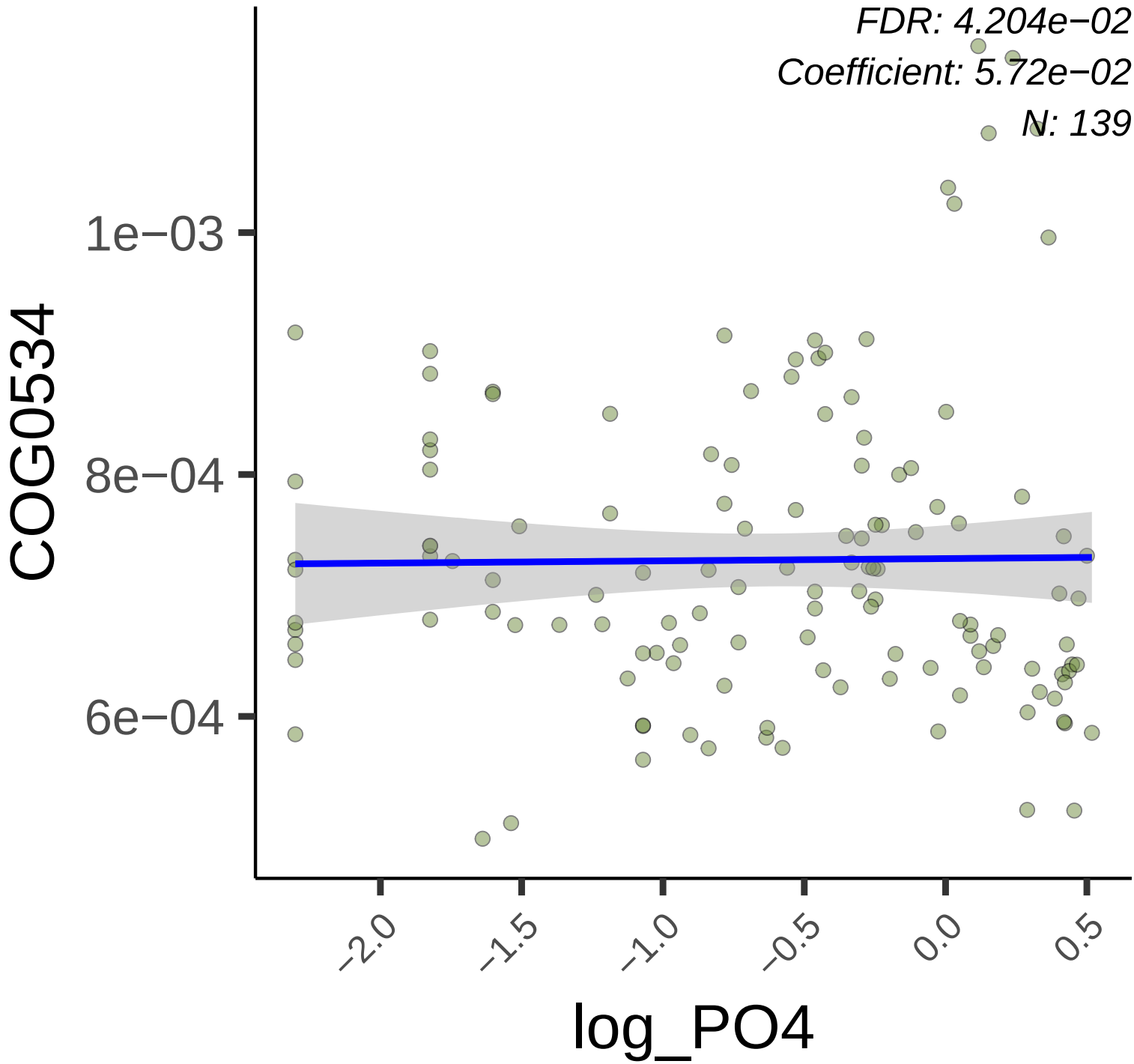
log_PO4


FDR: 4.204e−02
Coefficient: 5.72e−02
N: 139
1e−03
8e−04
6e−04
COG0534
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−1.5
−1.0
−0.5
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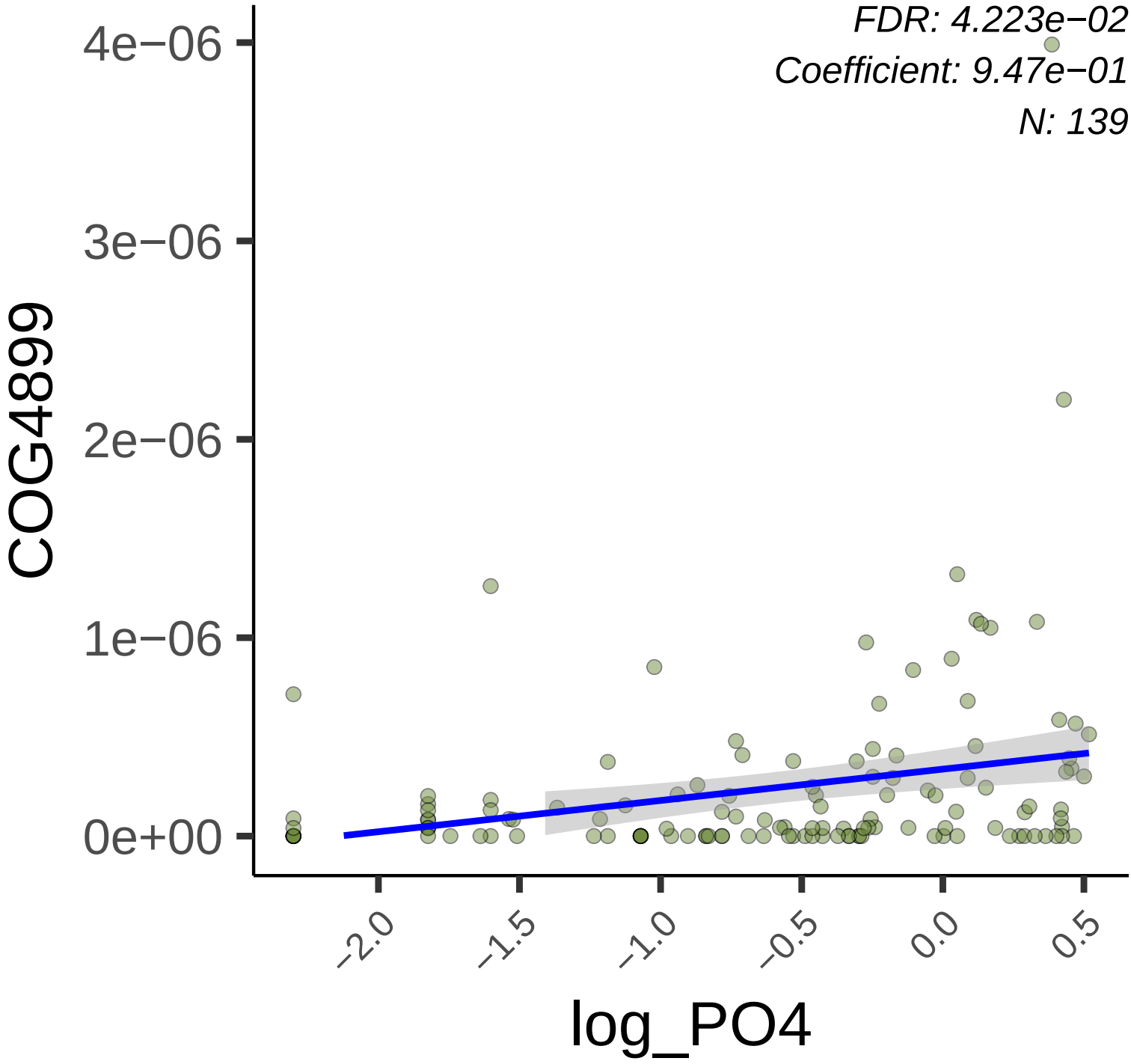
log_PO4


FDR: 4.223e−02
Coefficient: 9.47e−01
N: 139
COG4899
4e−06
3e−06
2e−06
1e−06
0e+00
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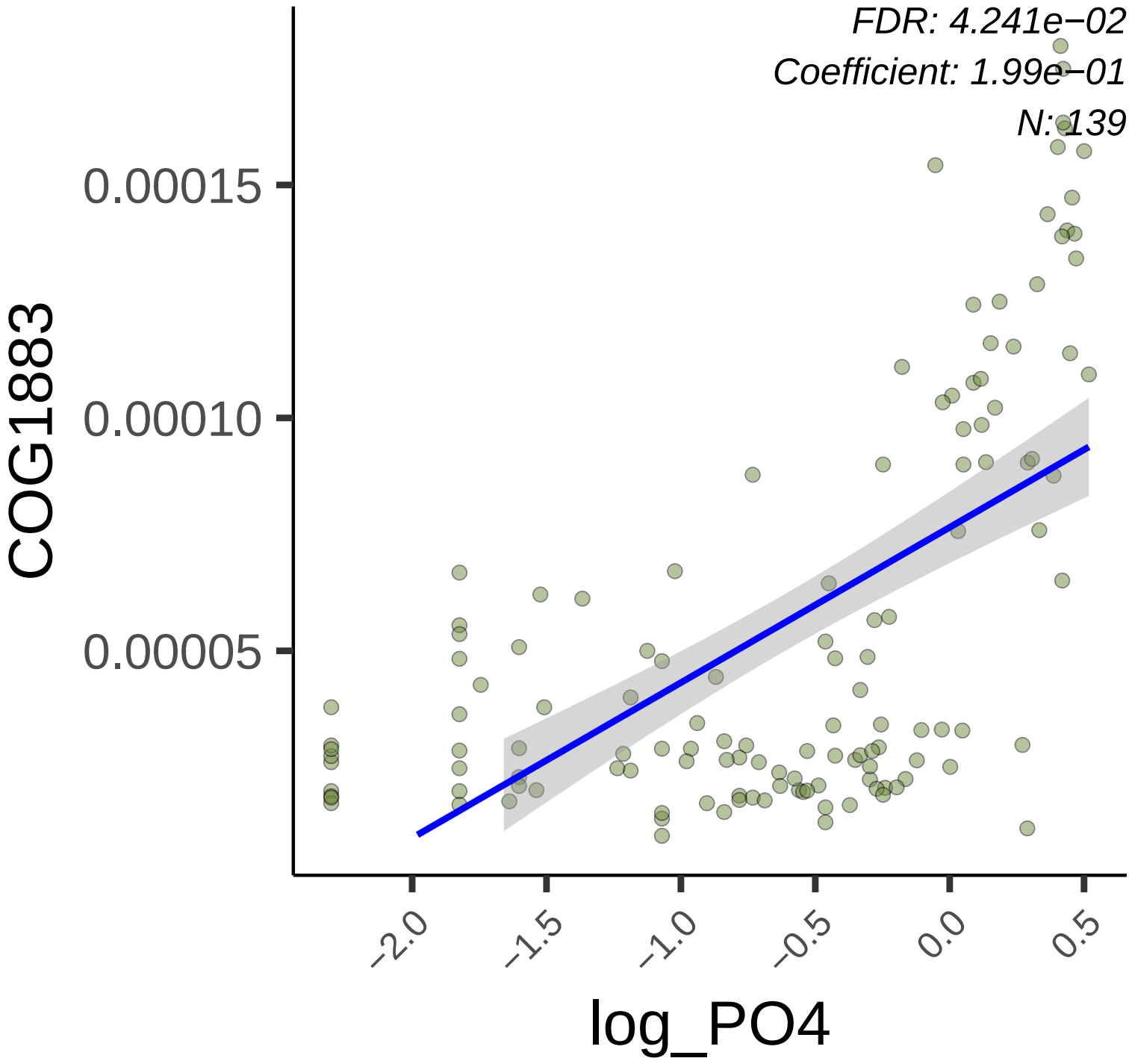
log_PO4


FDR: 4.241e−02
Coefficient: 1.99e−01
N: 139
COG1883
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0.00010
0.00005
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−1.5
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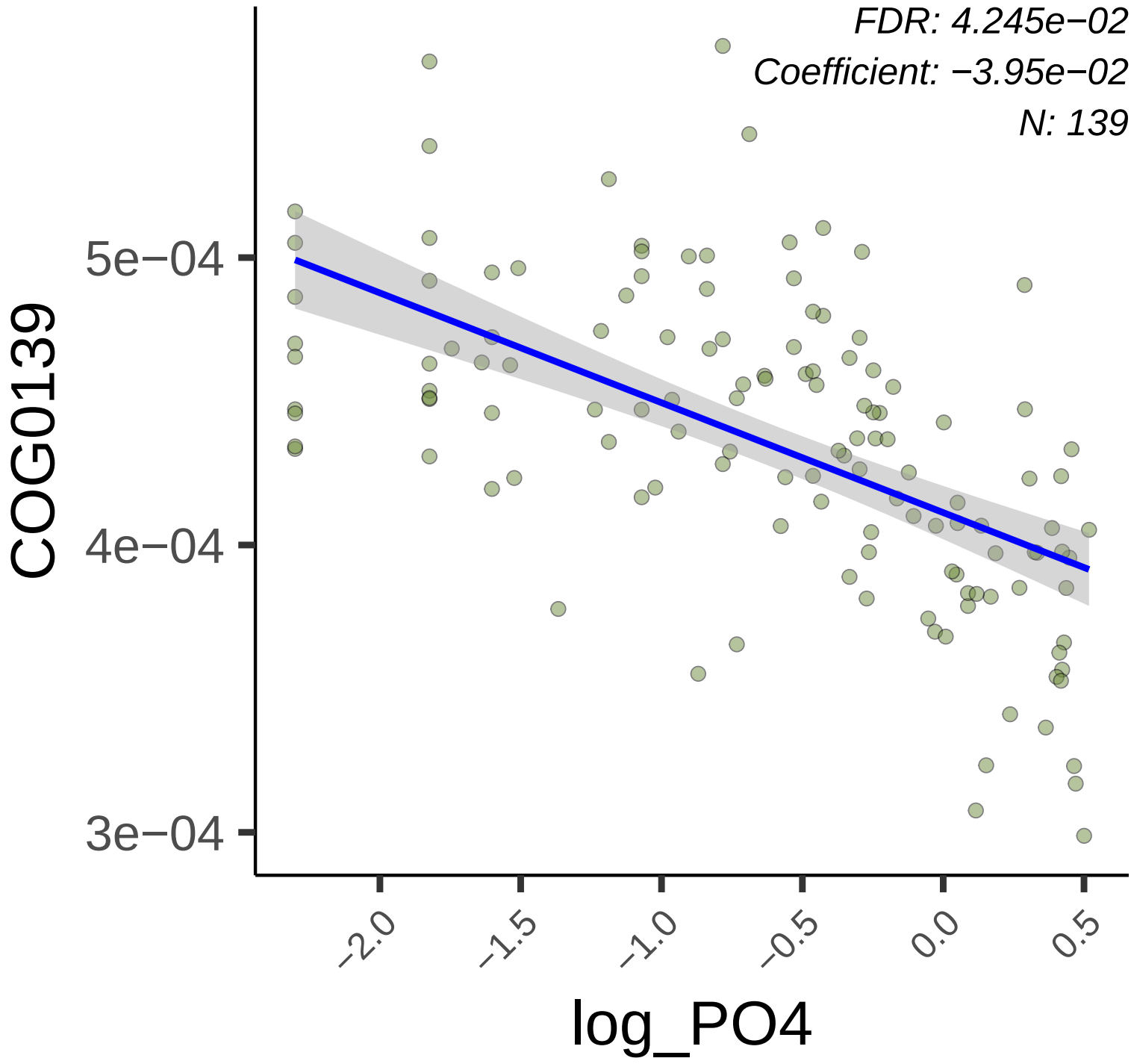
log_PO4


FDR: 4.245e−02
Coefficient: −3.95e−02
N: 139
COG0139
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4e−04
3e−04
−2.0
−1.5
−1.0
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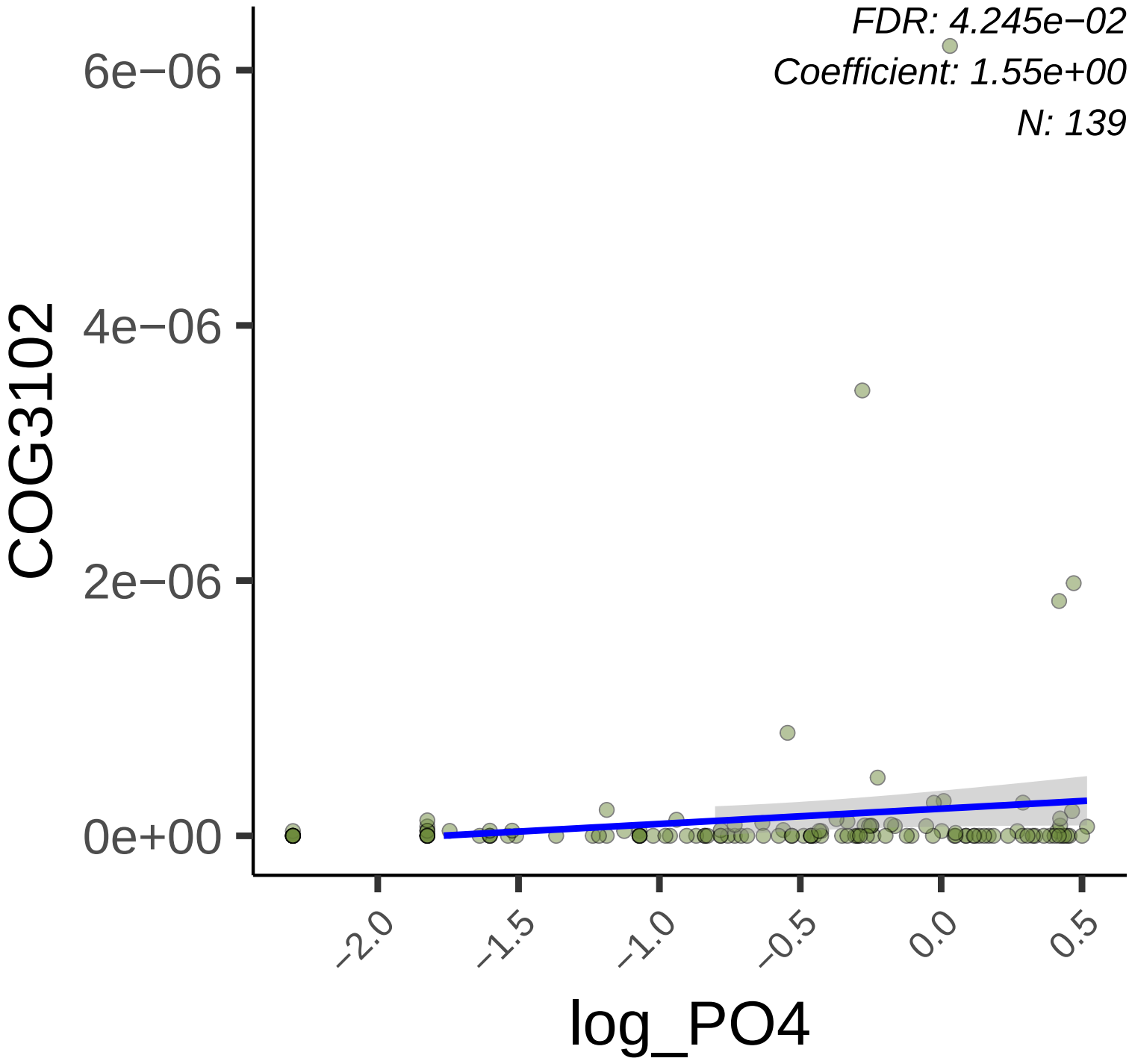
log_PO4


FDR: 4.245e−02
Coefficient: 1.55e+00
N: 139
COG3102
6e−06
4e−06
2e−06
0e+00
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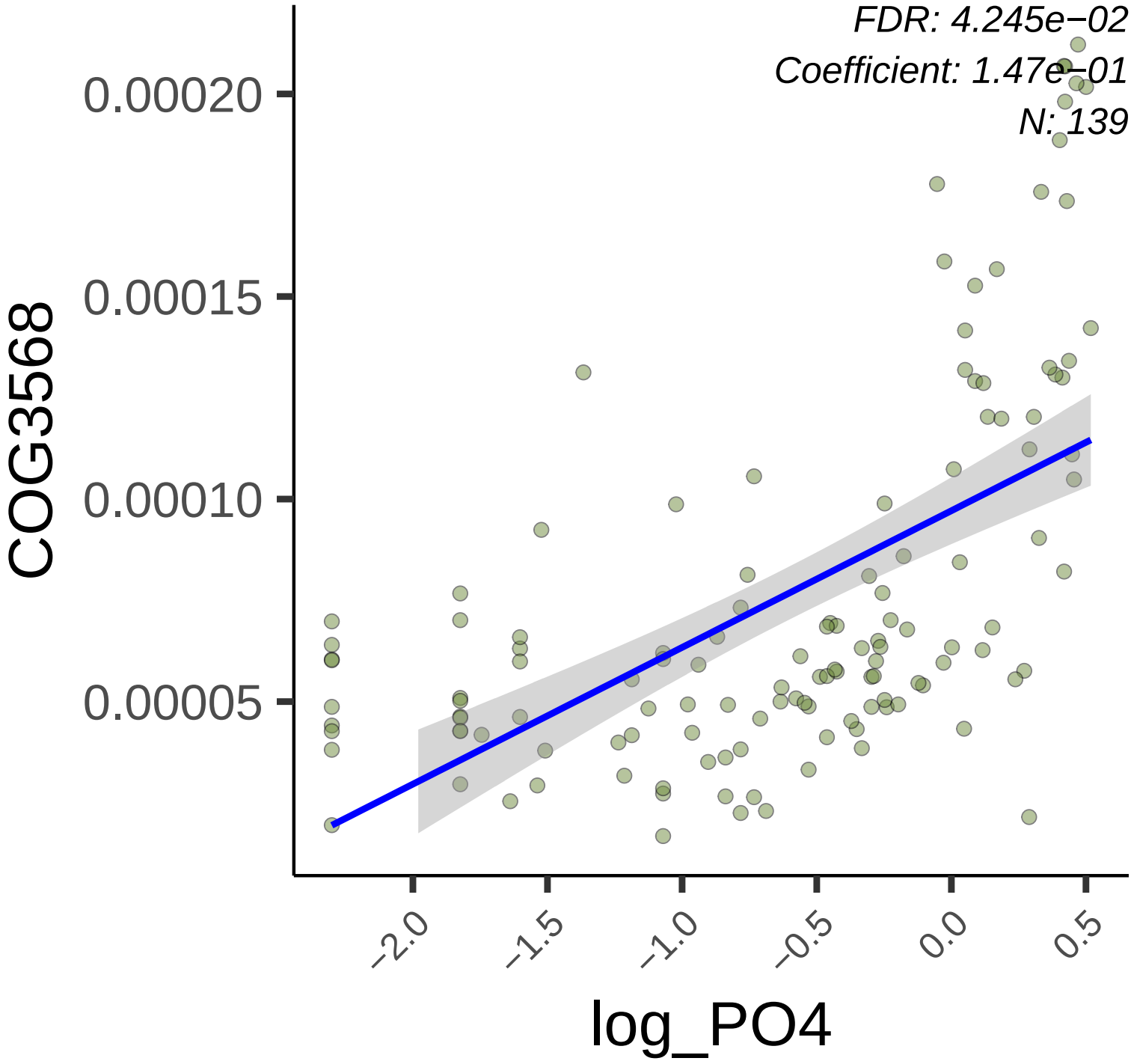
log_PO4


FDR: 4.245e−02
Coefficient: 1.47e−01
N: 139
COG3568
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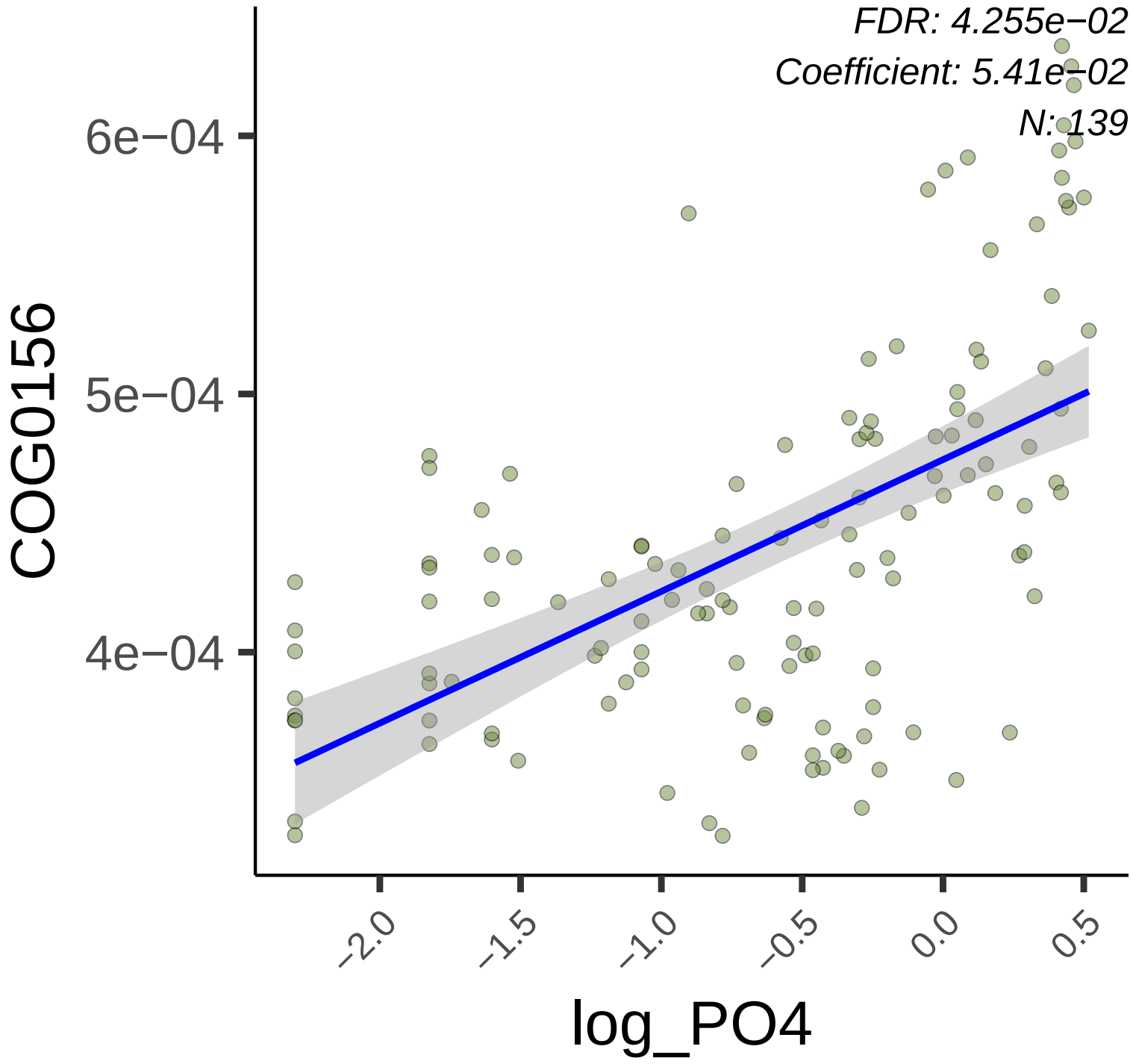
log_PO4


FDR: 4.255e−02
Coefficient: 5.41e−02
N: 139
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5e−04
4e−04
COG0156
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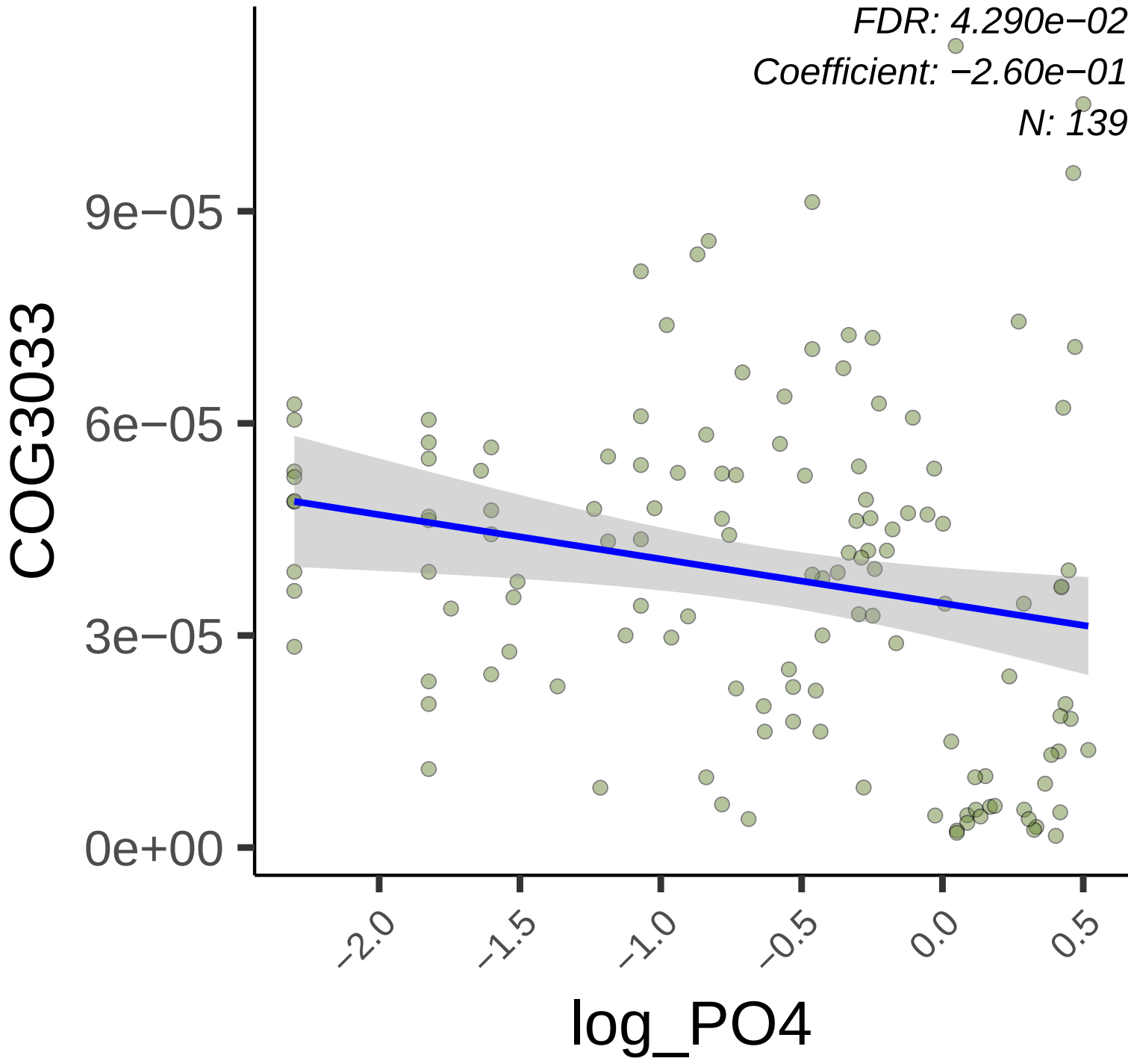
log_PO4


FDR: 4.290e−02
Coefficient: −2.60e−01
N: 139
COG3033
9e−05
6e−05
3e−05
0e+00
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−1.5
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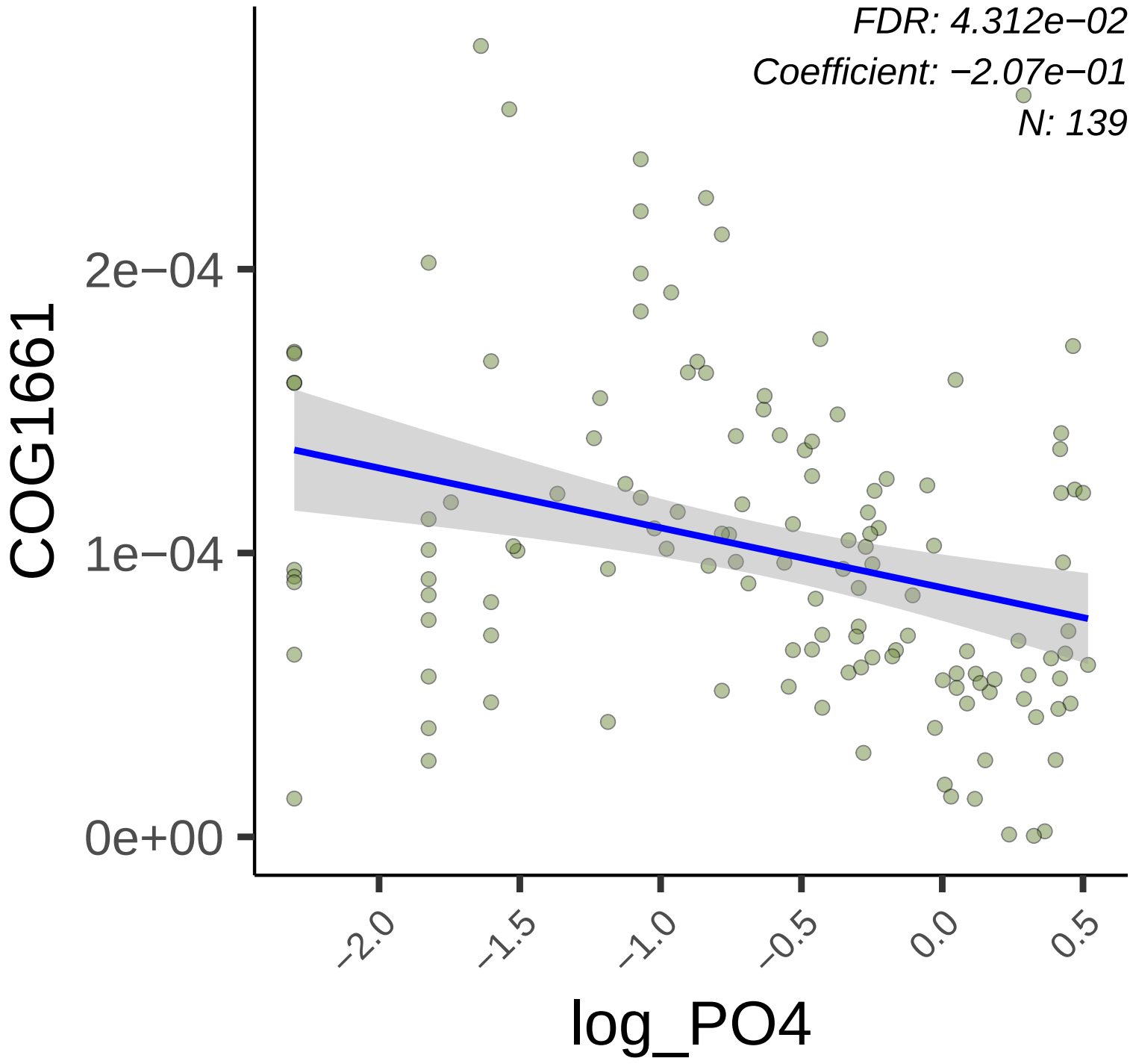
log_PO4


FDR: 4.312e−02
Coefficient: −2.07e−01
N: 139
COG1661
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1e−04
0e+00
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−1.5
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0.0
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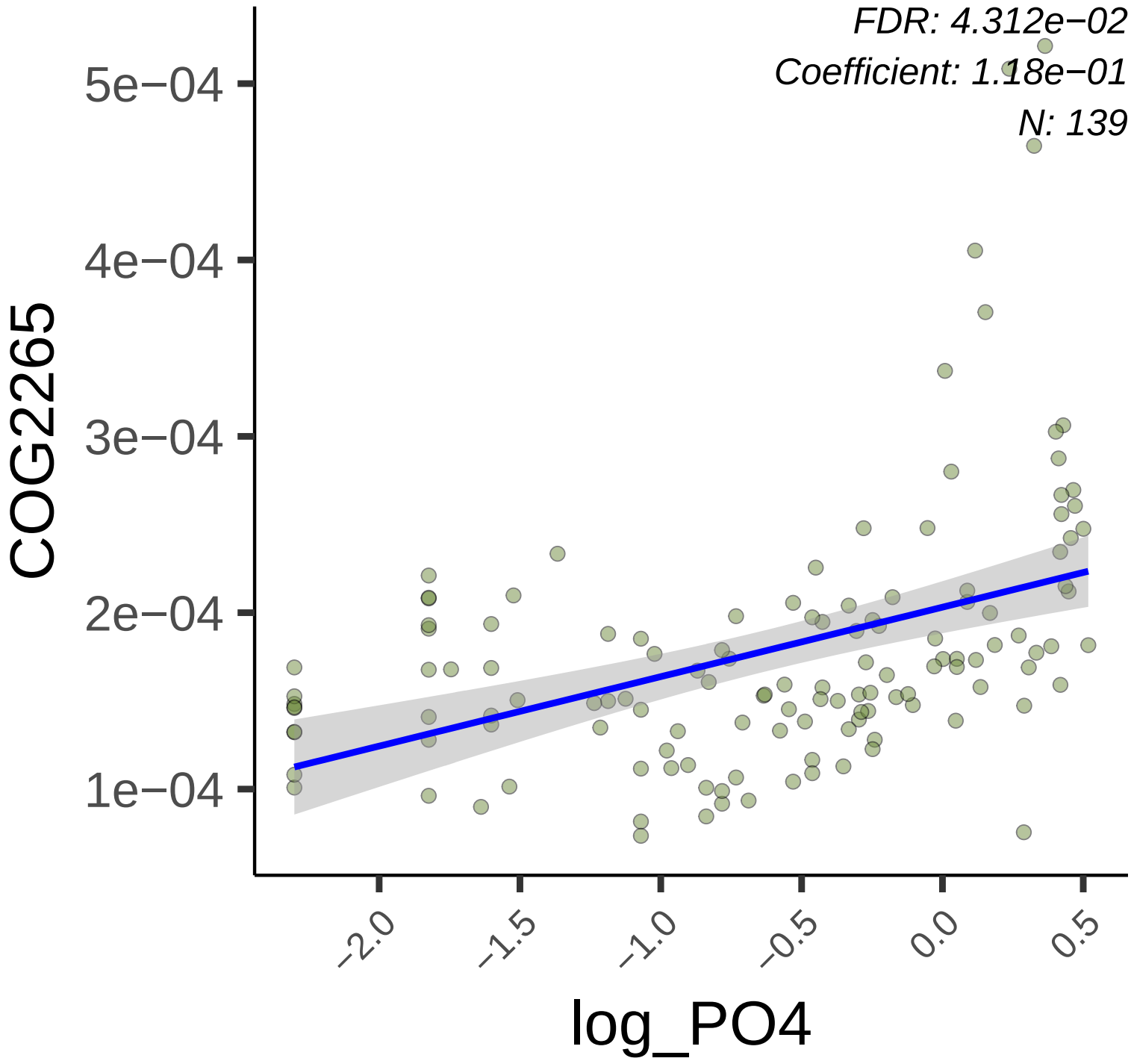
log_PO4


FDR: 4.312e−02
Coefficient: 1.18e−01
N: 139
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4e−04
3e−04
2e−04
1e−04
COG2265
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−1.5
−1.0
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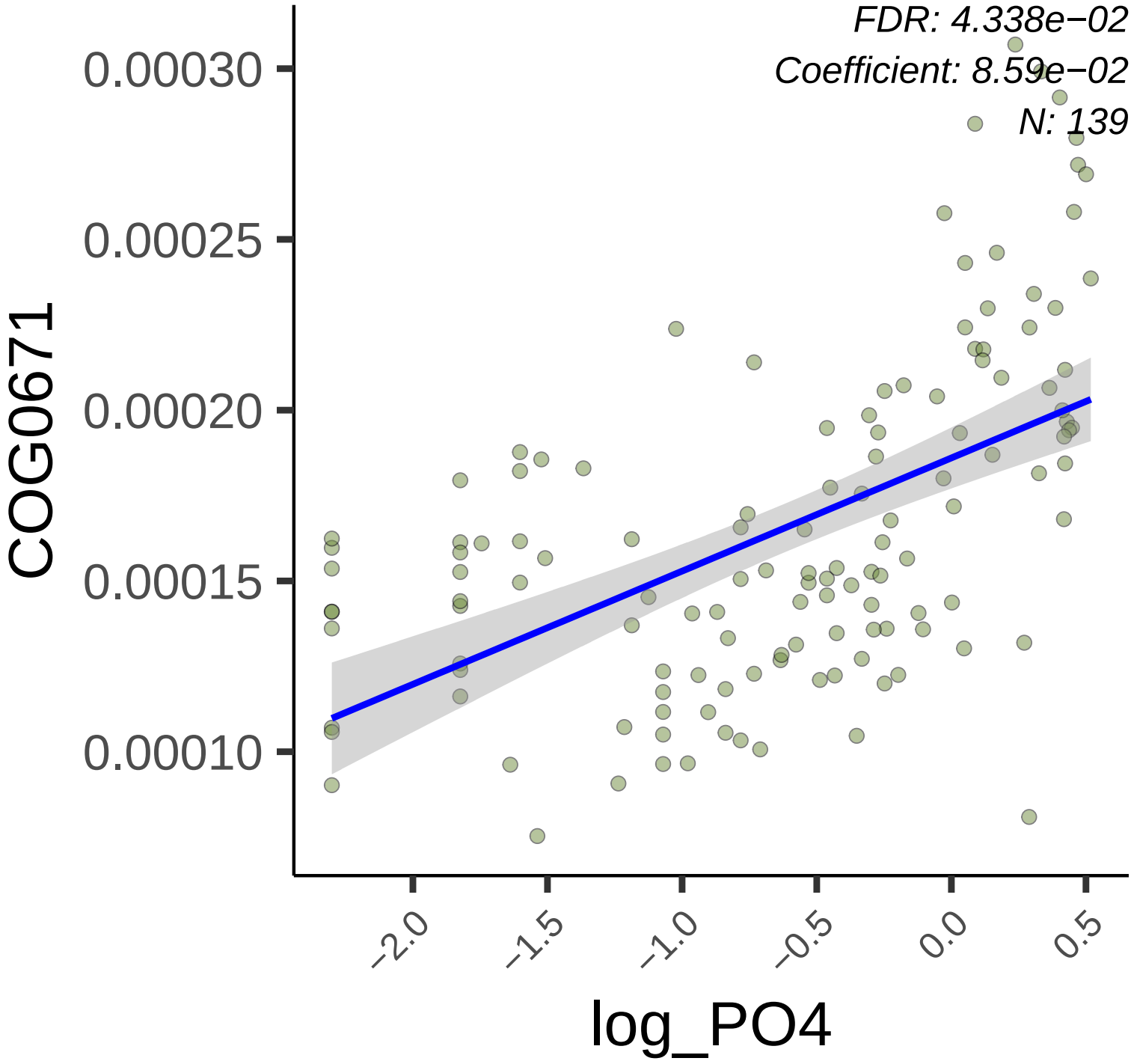
0.5
log_PO4


FDR: 4.338e−02
Coefficient: 8.59e−02
N: 139
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0.00015
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COG0671
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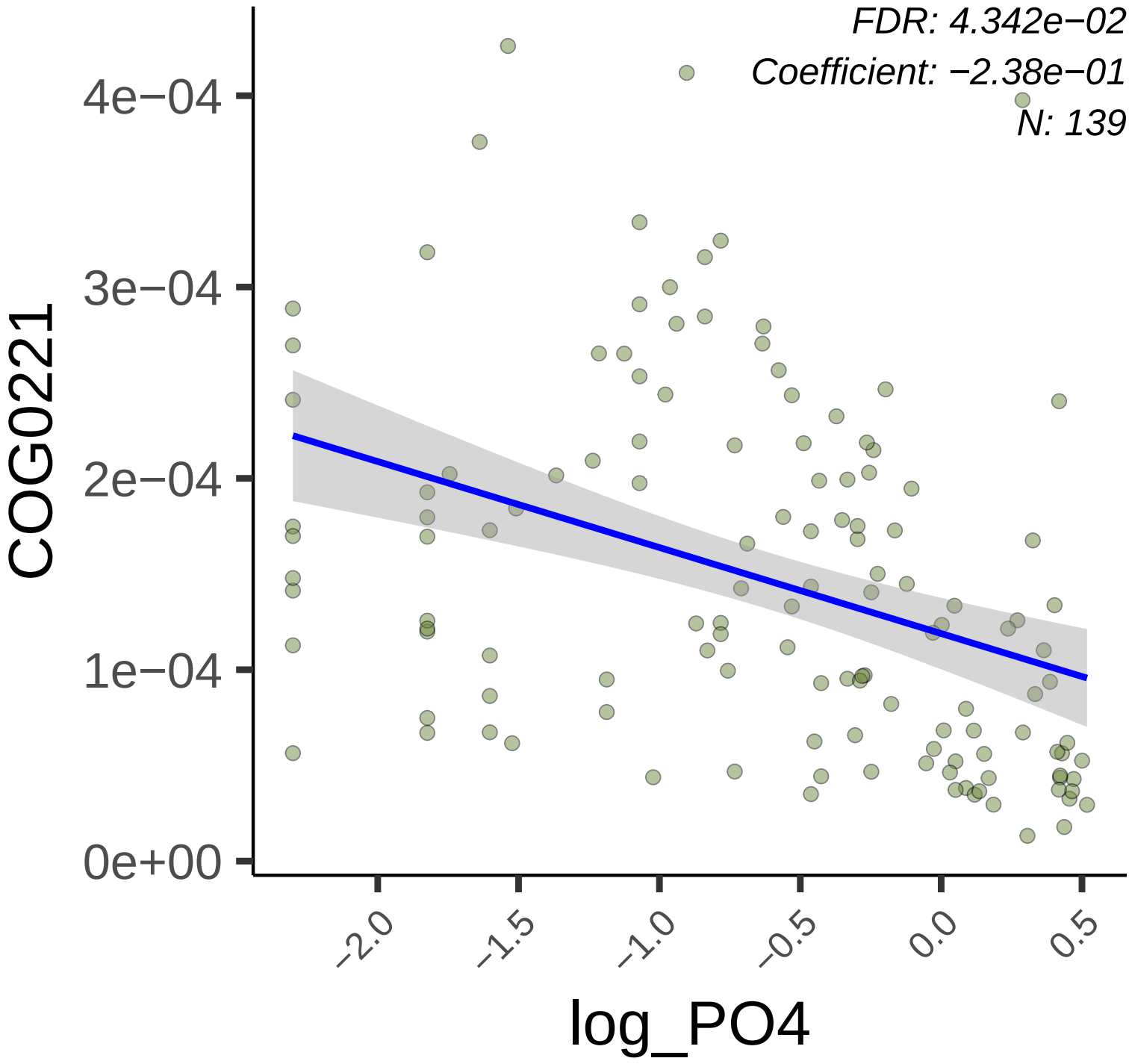
log_PO4


FDR: 4.342e−02
Coefficient: −2.38e−01
N: 139
COG0221
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−1.5
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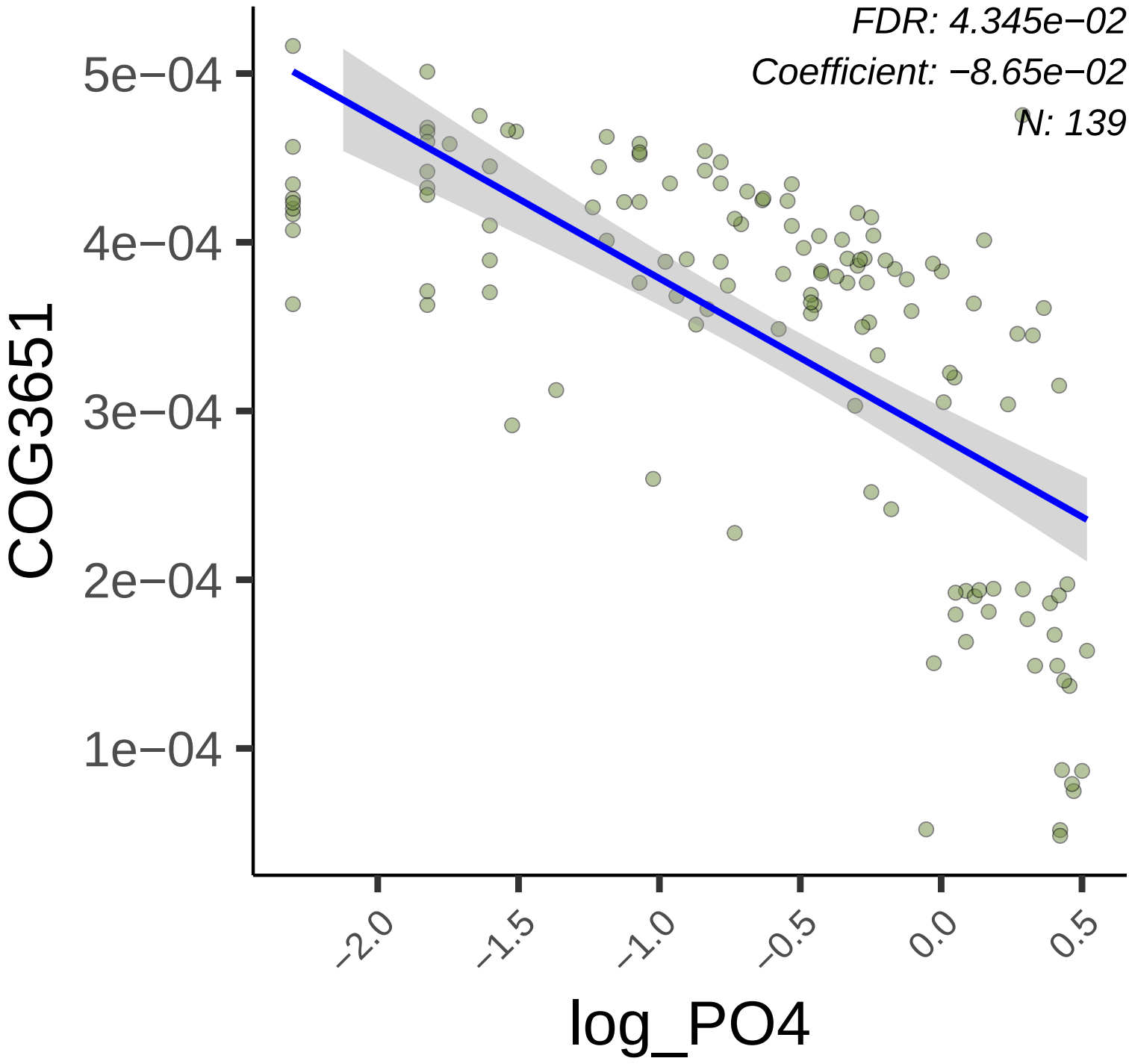
log_PO4


FDR: 4.345e−02
Coefficient: −8.65e−02
N: 139
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4e−04
3e−04
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COG3651
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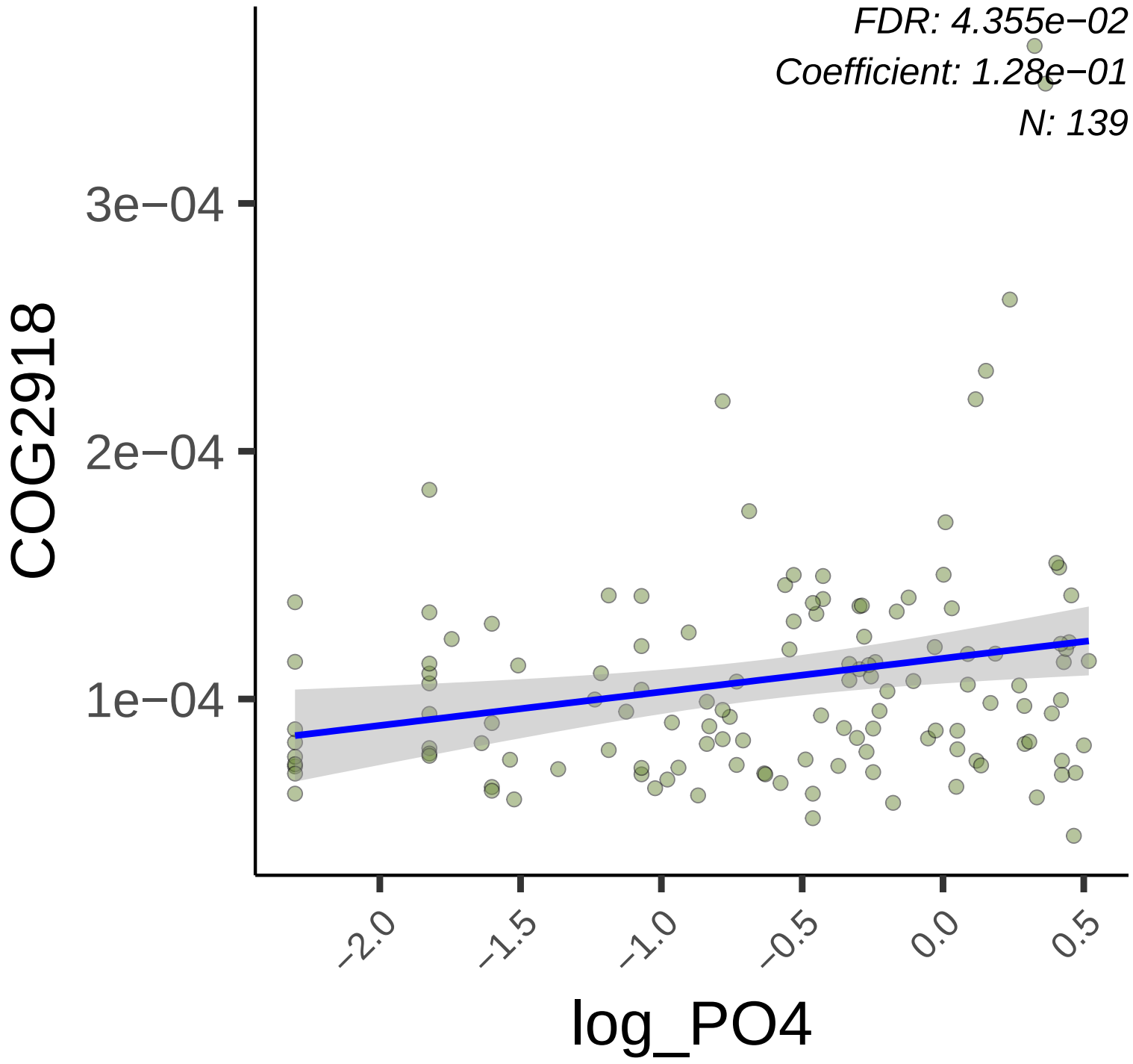
log_PO4


FDR: 4.355e−02
Coefficient: 1.28e−01
N: 139
COG2918
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2e−04
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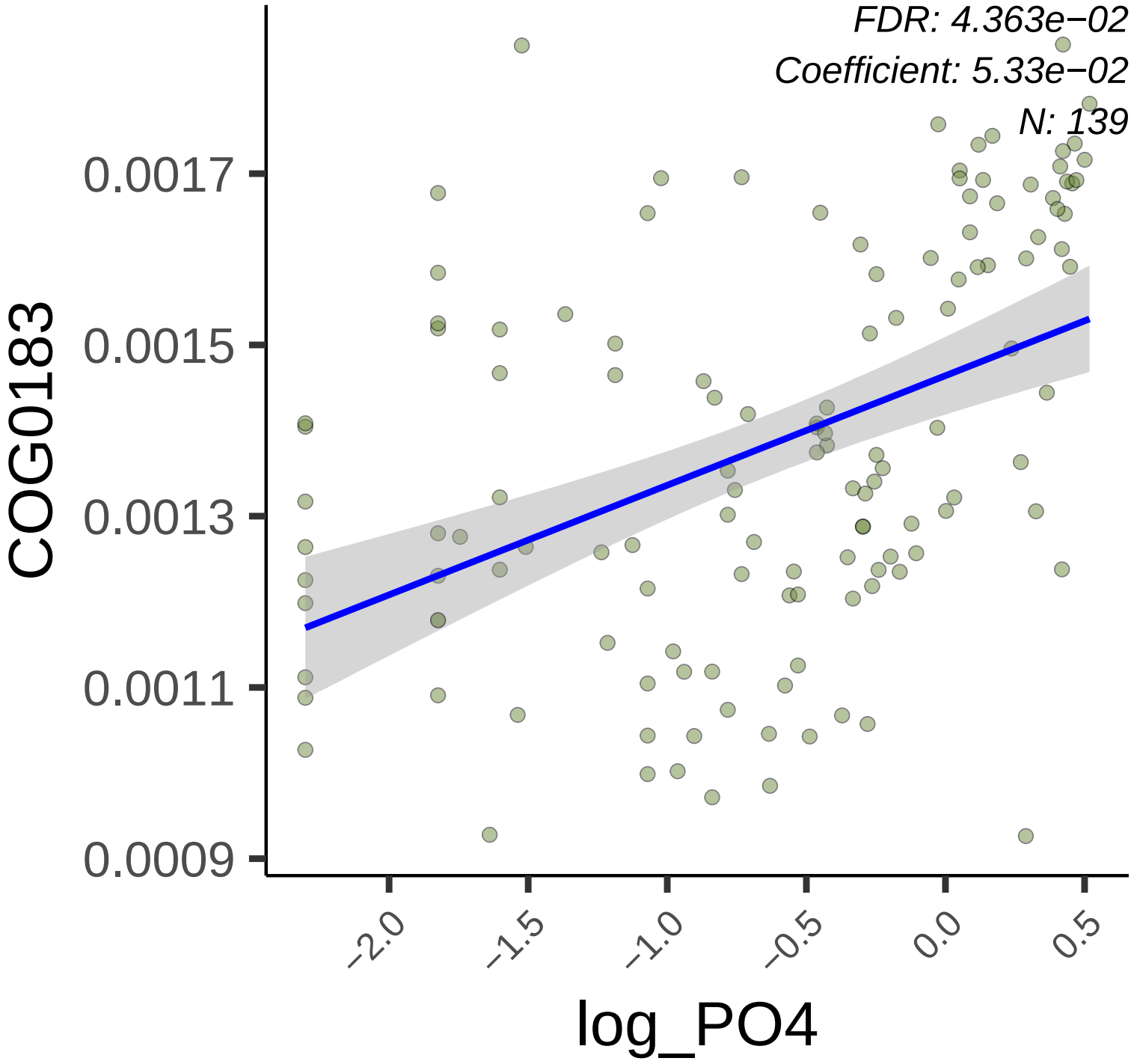
log_PO4


FDR: 4.363e−02
Coefficient: 5.33e−02
N: 139
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0.0011
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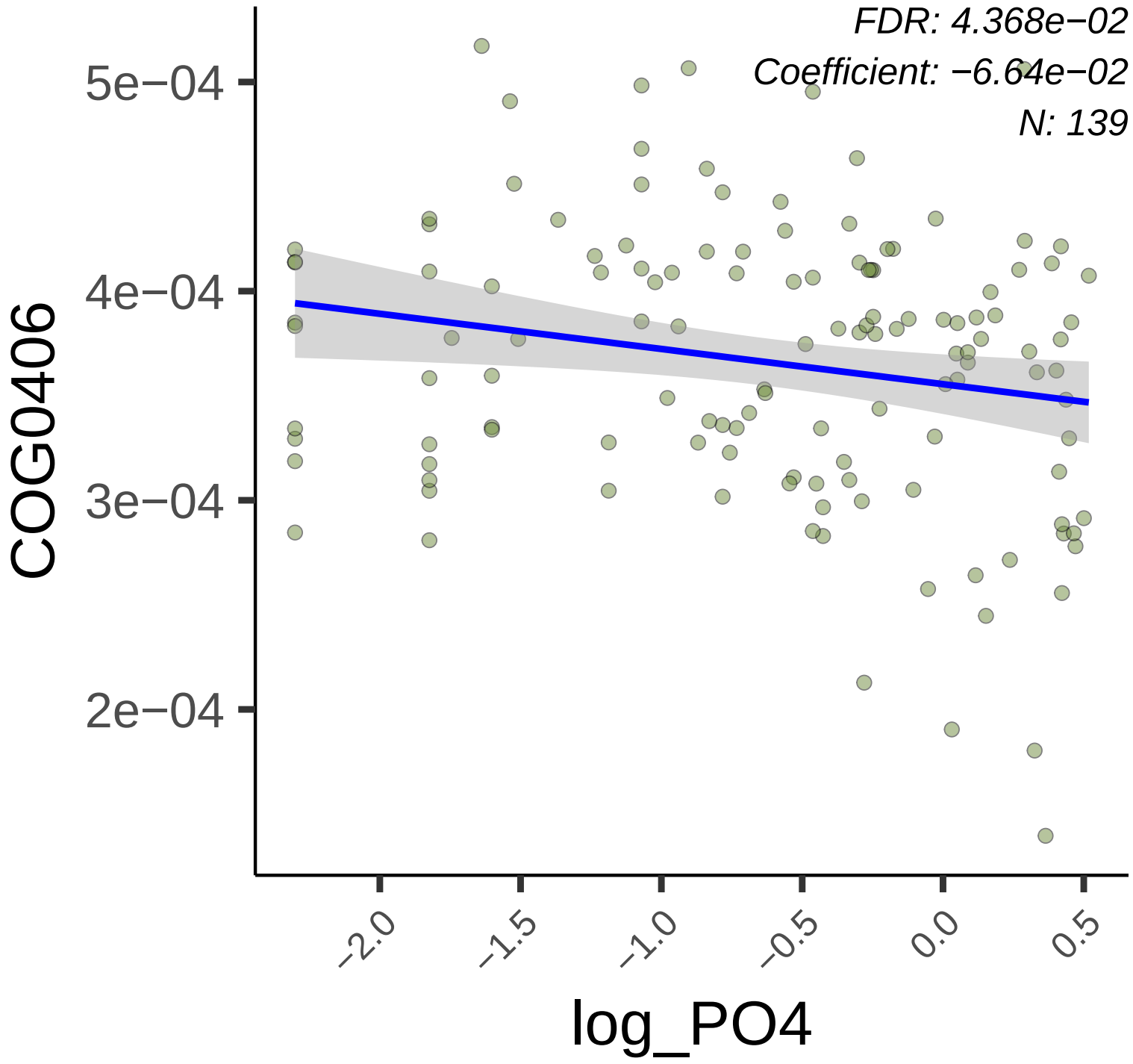
log_PO4


FDR: 4.368e−02
Coefficient: −6.64e−02
N: 139
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COG0406
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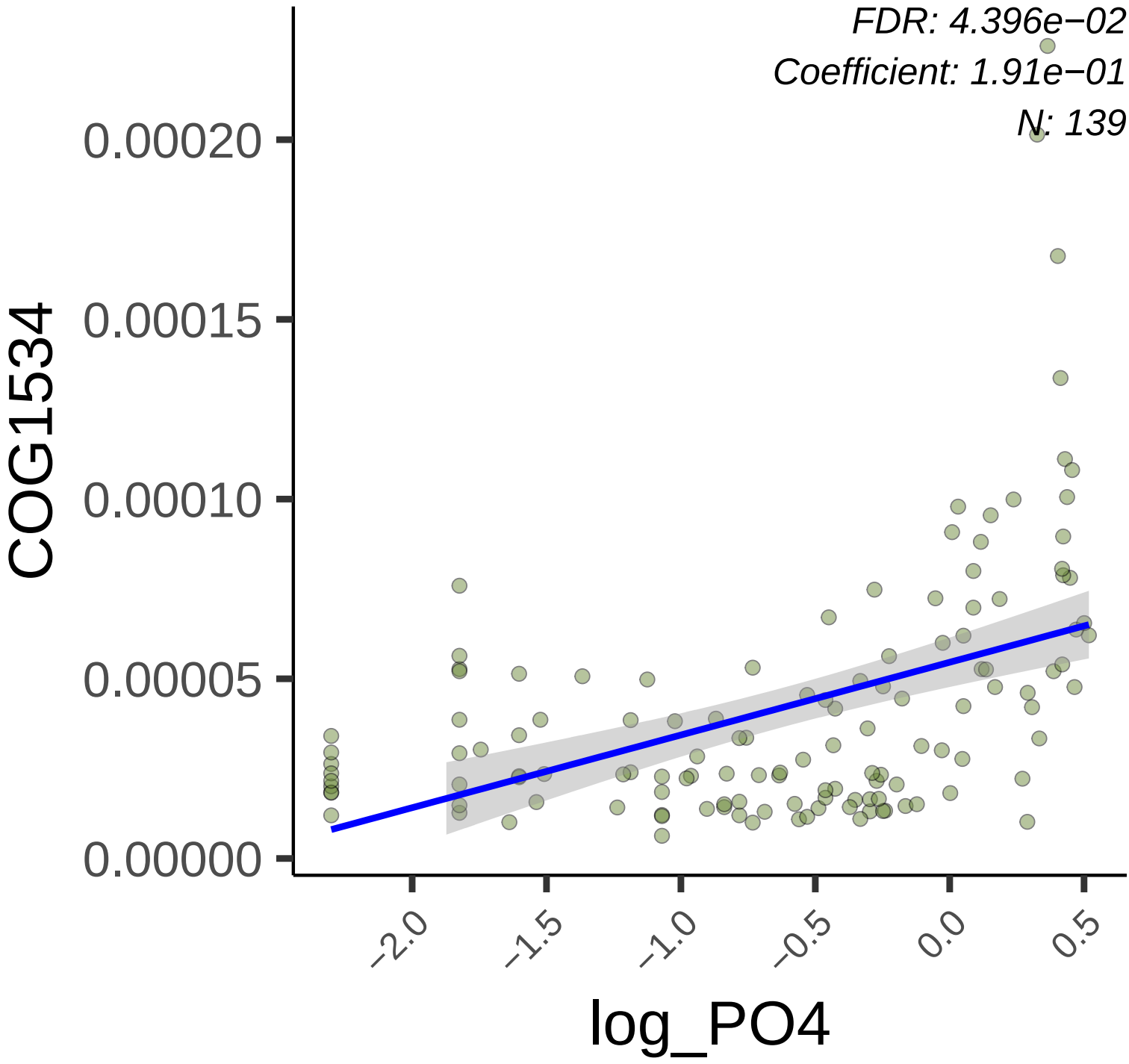
log_PO4


FDR: 4.396e−02
Coefficient: 1.91e−01
N: 139
COG1534
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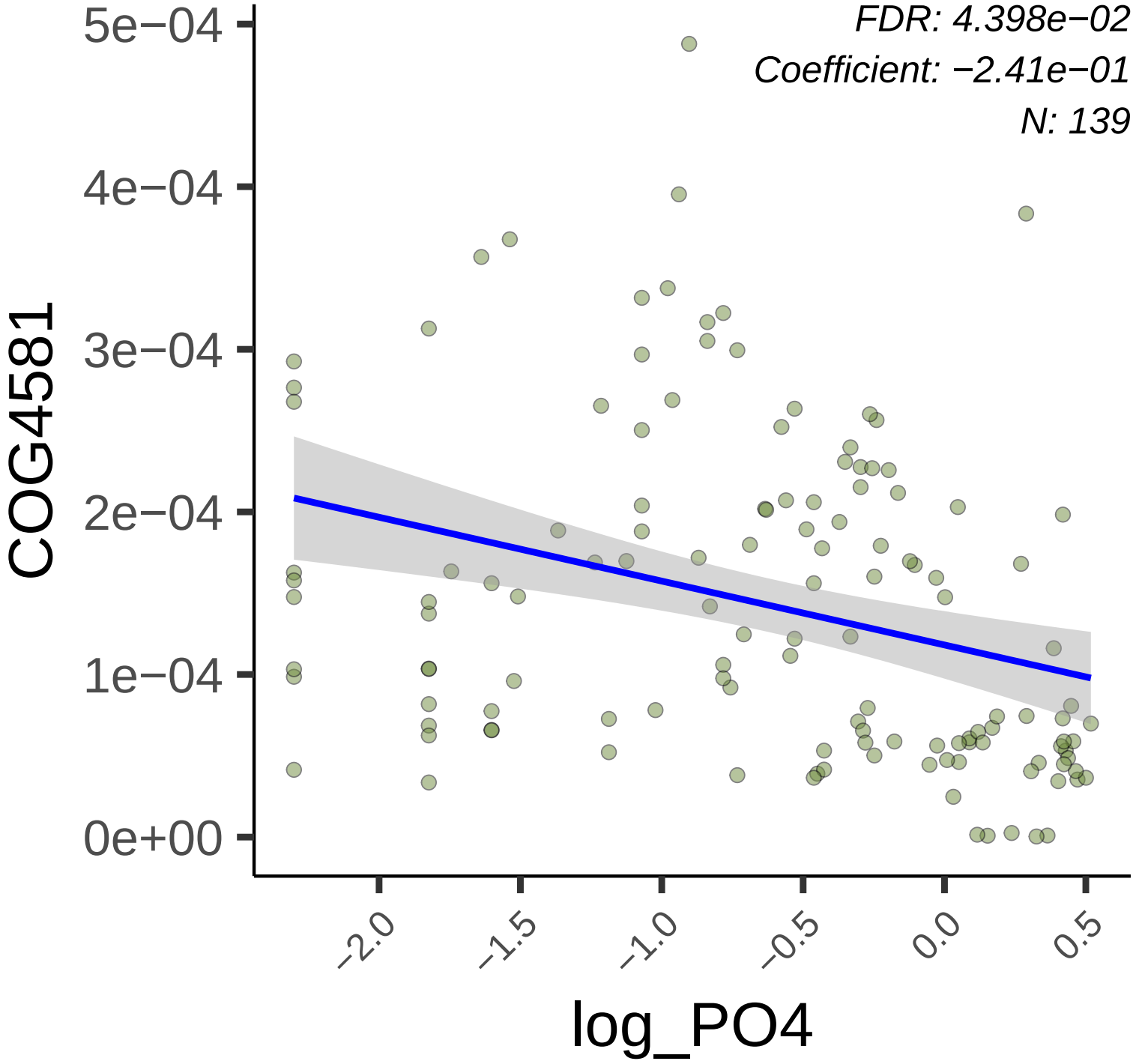
log_PO4


FDR: 4.398e−02
Coefficient: −2.41e−01
N: 139
COG4581
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3e−04
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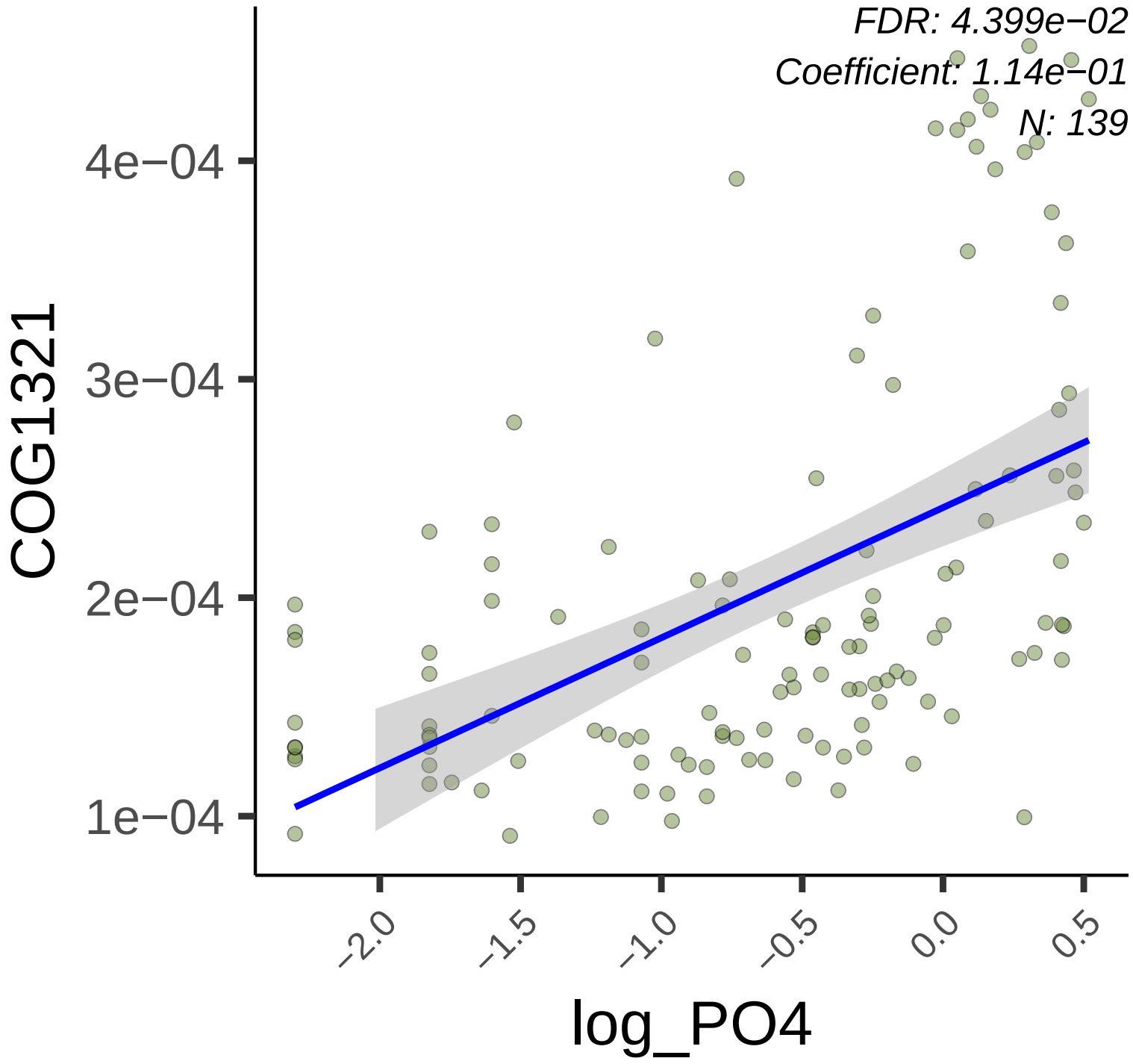
log_PO4


FDR: 4.399e−02
Coefficient: 1.14e−01
N: 139
COG1321
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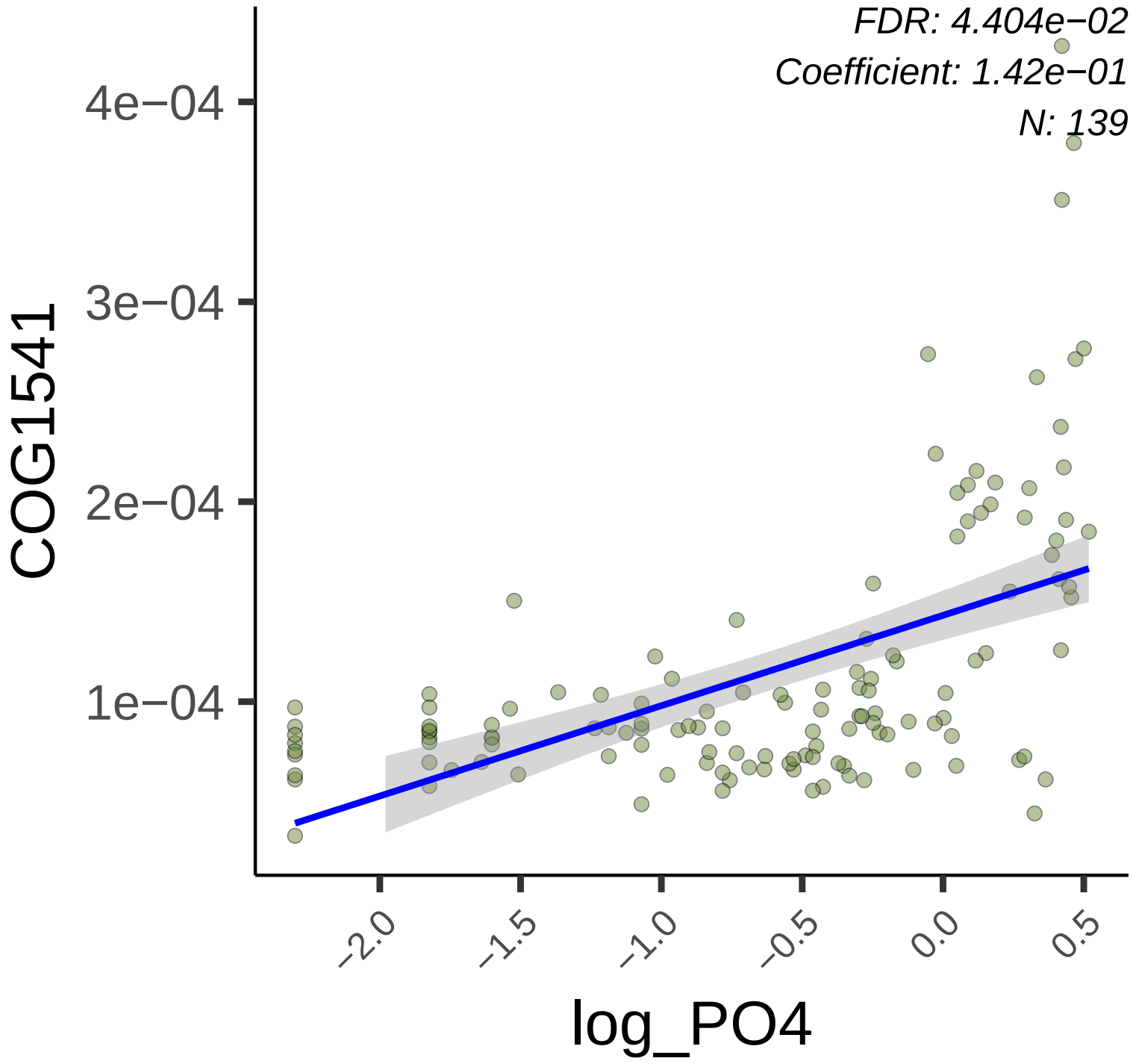
log_PO4


FDR: 4.404e−02
Coefficient: 1.42e−01
N: 139
COG1541
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1e−04
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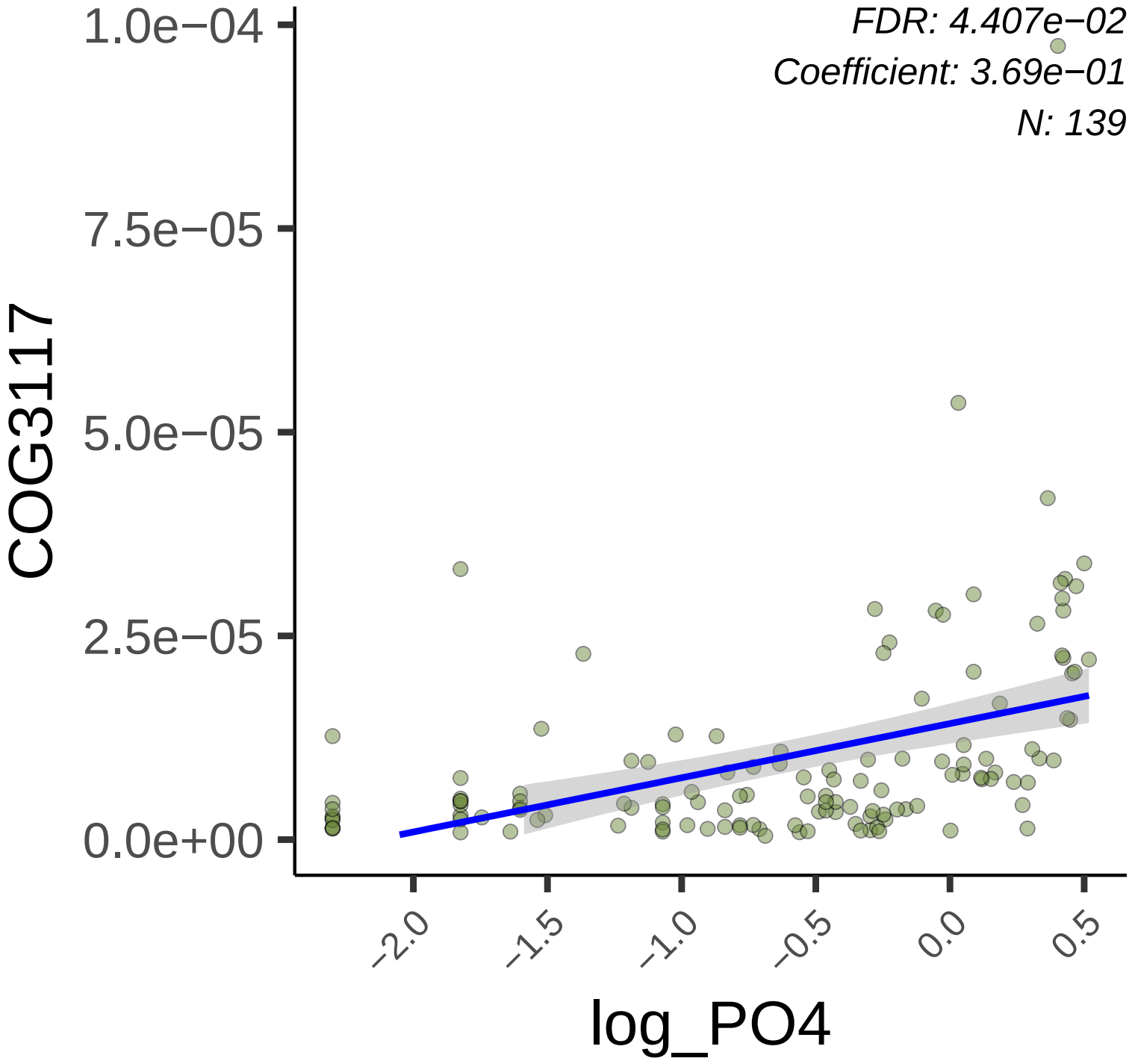
log_PO4


FDR: 4.407e−02
Coefficient: 3.69e−01
N: 139
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7.5e−05
5.0e−05
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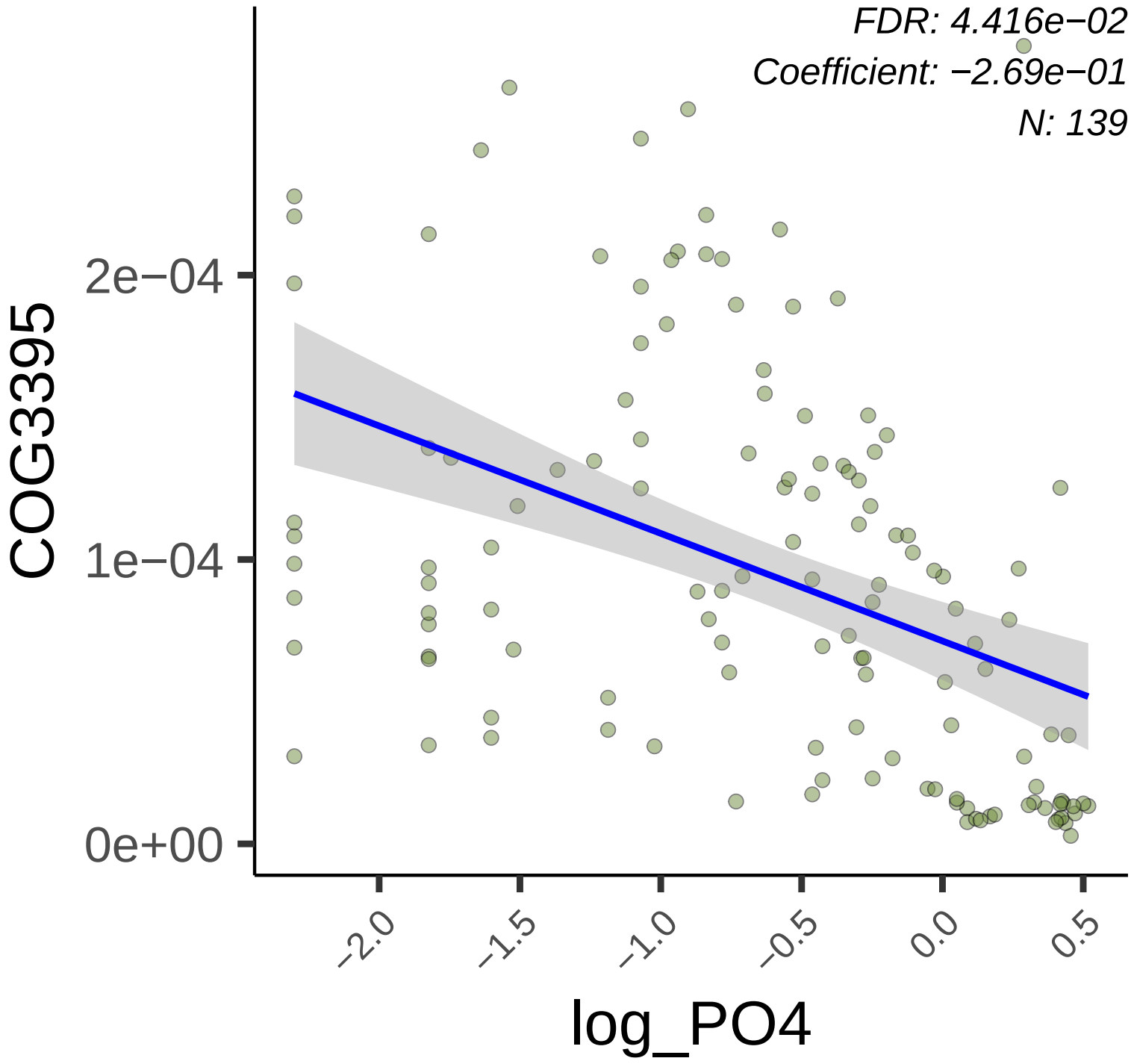
log_PO4


FDR: 4.416e−02
Coefficient: −2.69e−01
N: 139
COG3395
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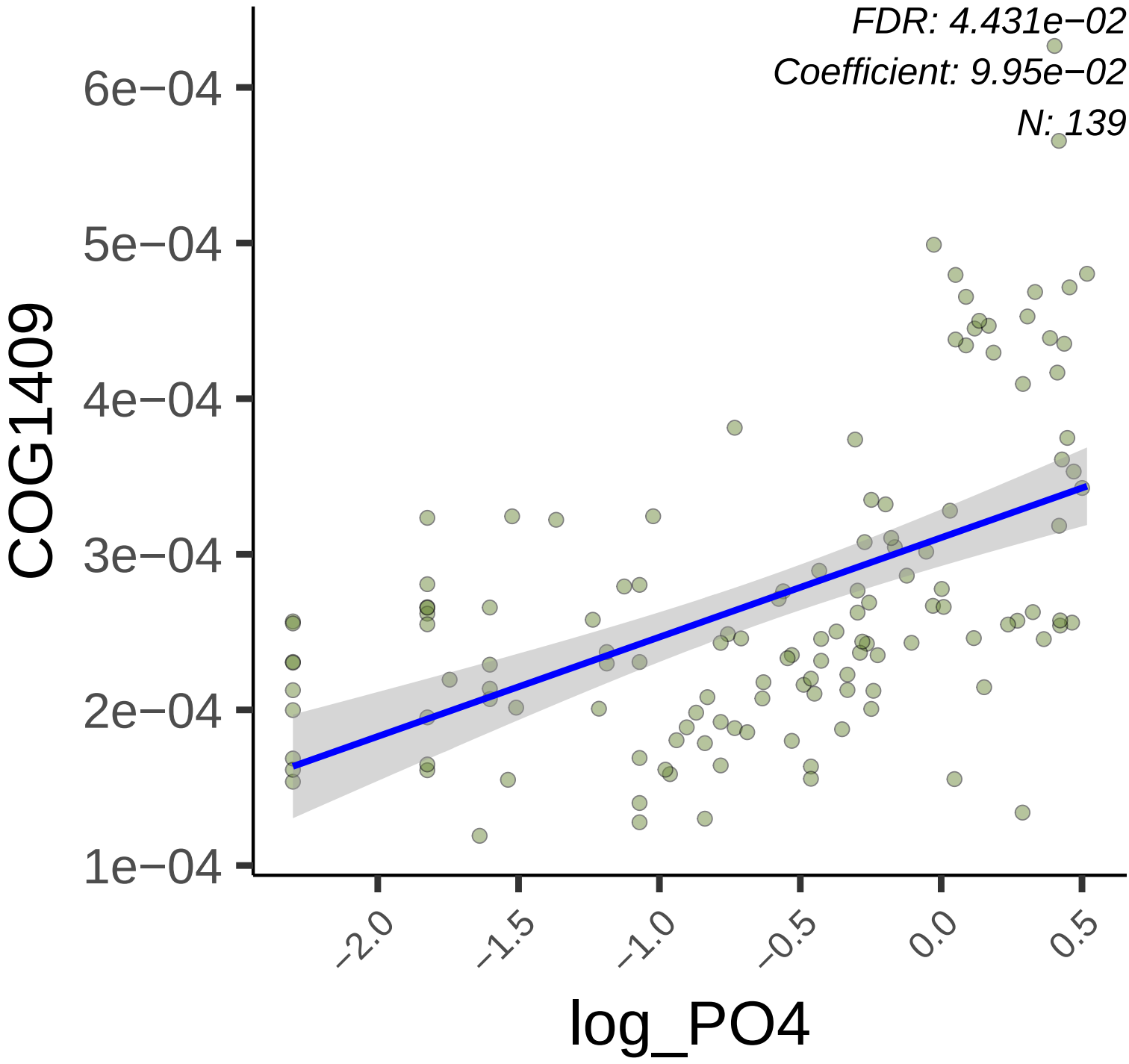
log_PO4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Coefficient: 9.95e−02
N: 139
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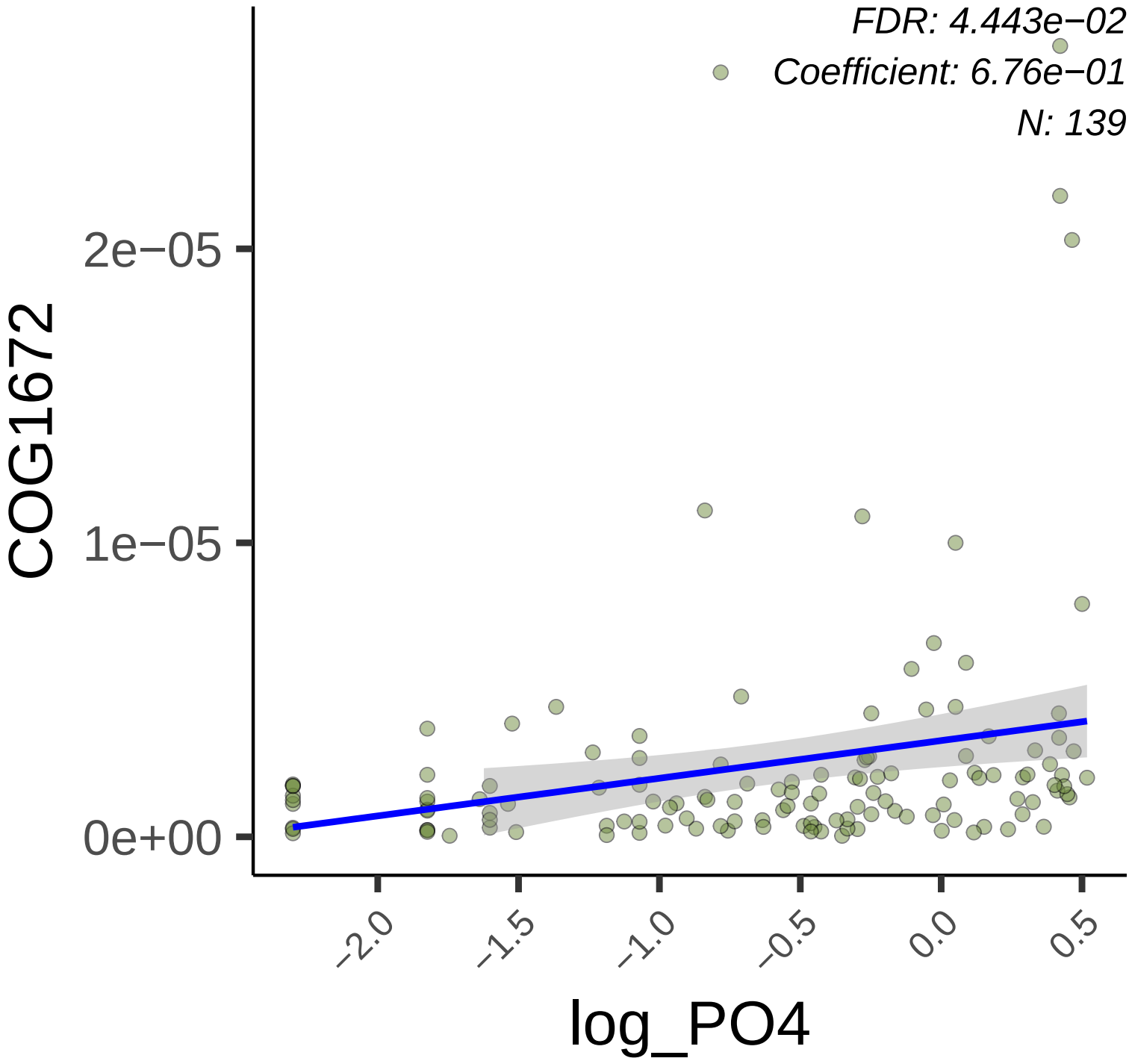
log_PO4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Coefficient: 6.76e−01
N: 139
COG1672
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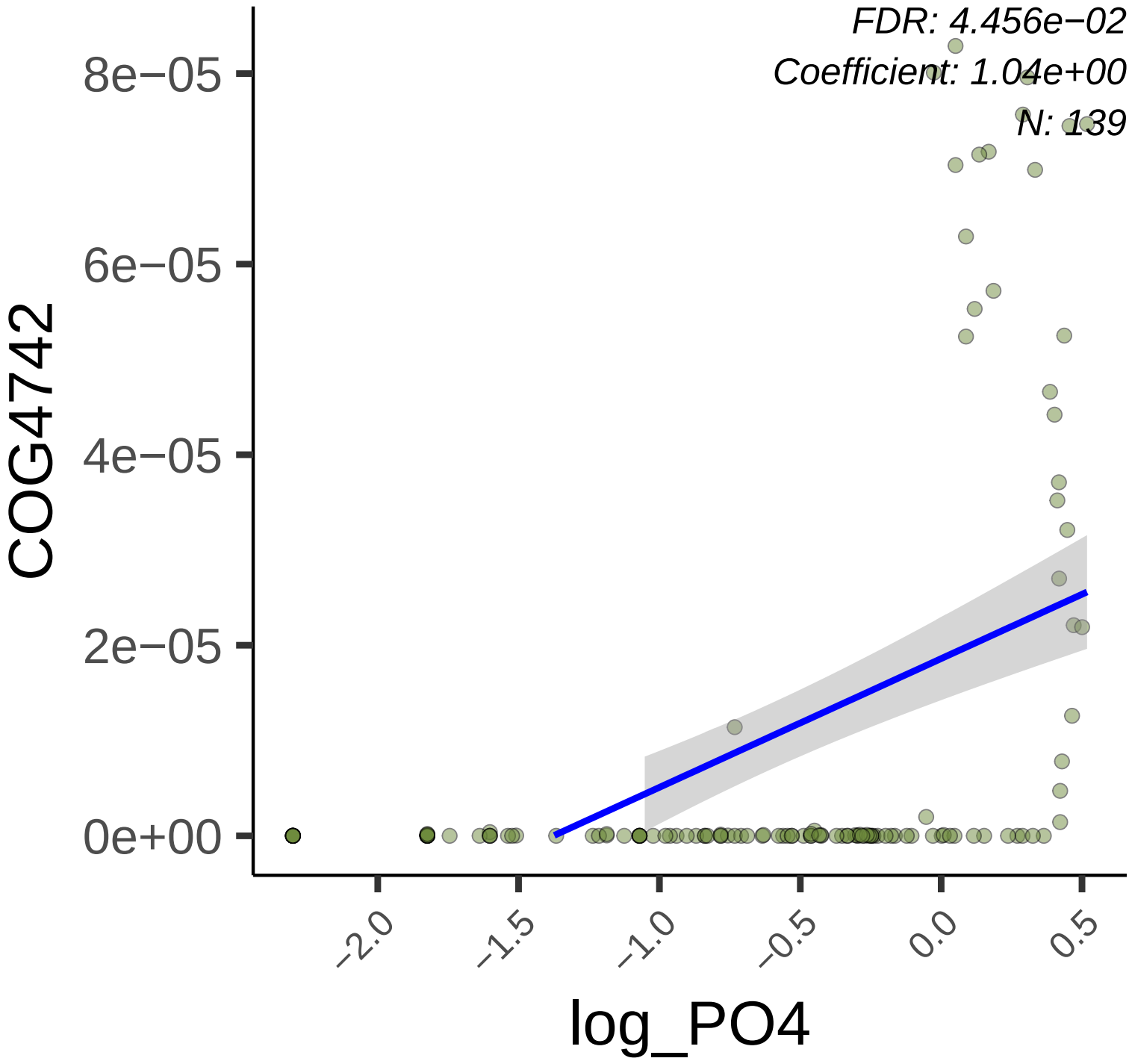
log_PO4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Coefficient: 1.04e+00
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COG4742
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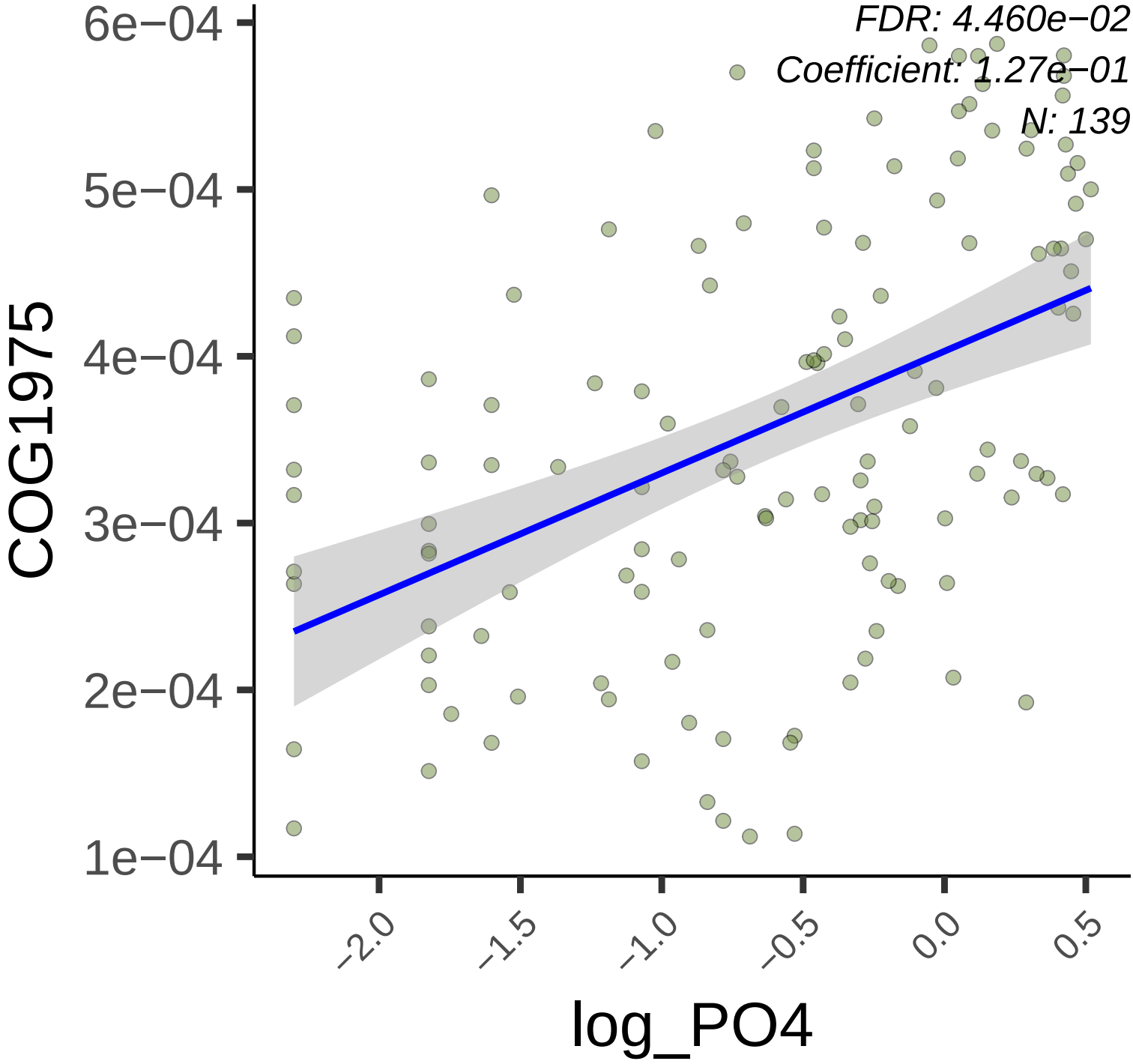
log_PO4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Coefficient: 1.27e−01
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COG1975
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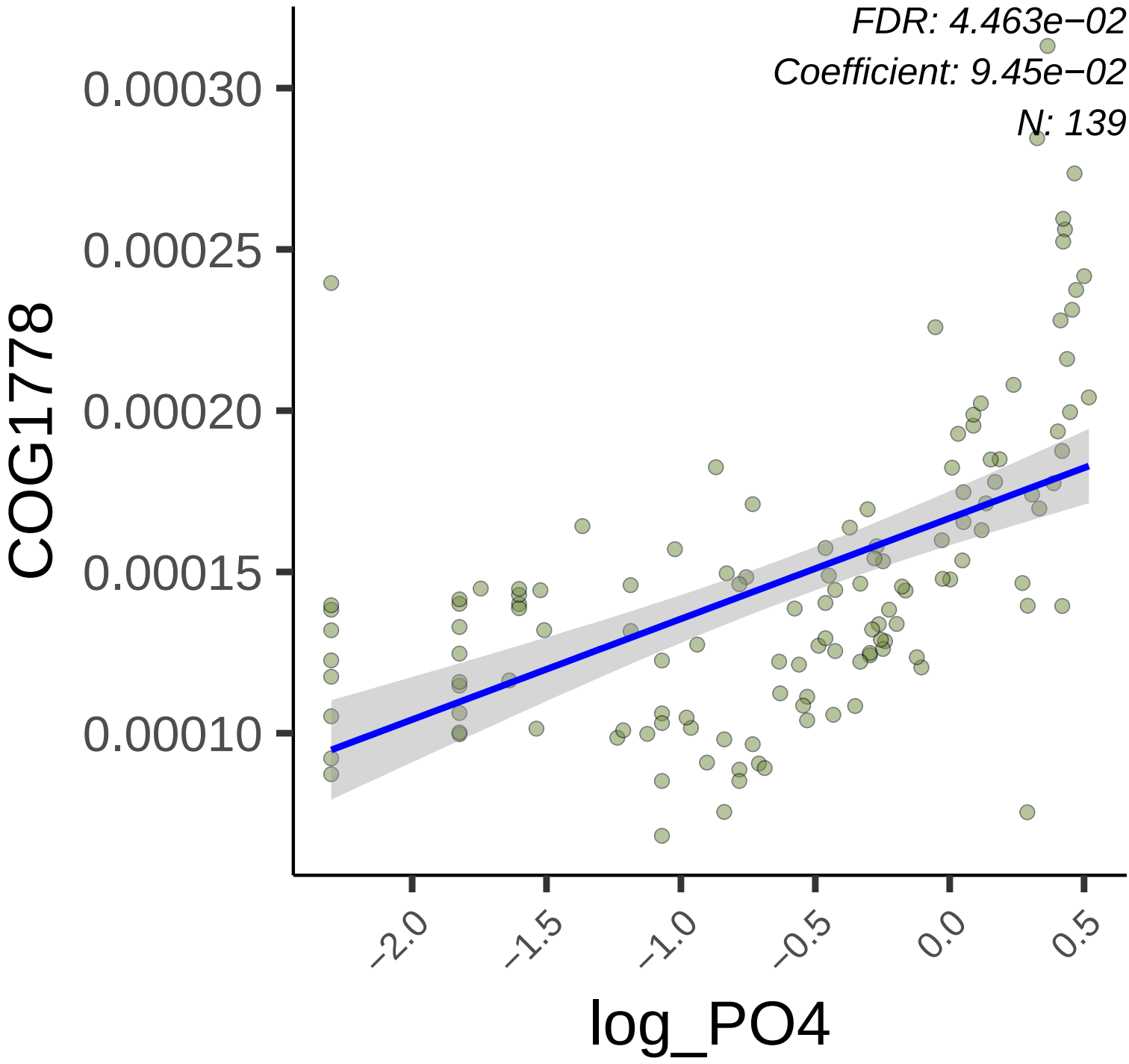
log_PO4


FDR: 4.463e−02
Coefficient: 9.45e−02
N: 139
COG1778
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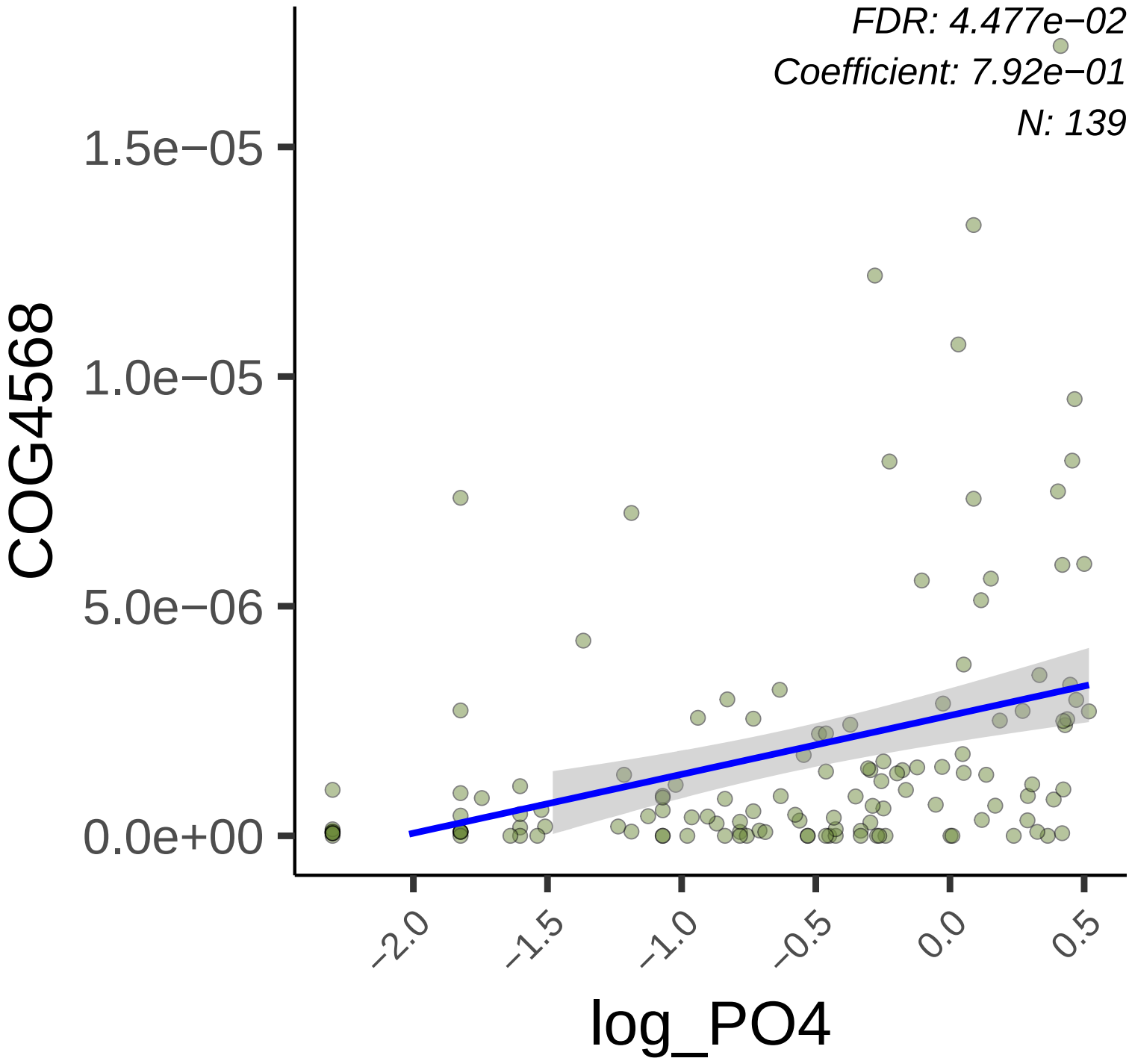
log_PO4


FDR: 4.477e−02
Coefficient: 7.92e−01
N: 139
COG4568
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0.0e+00
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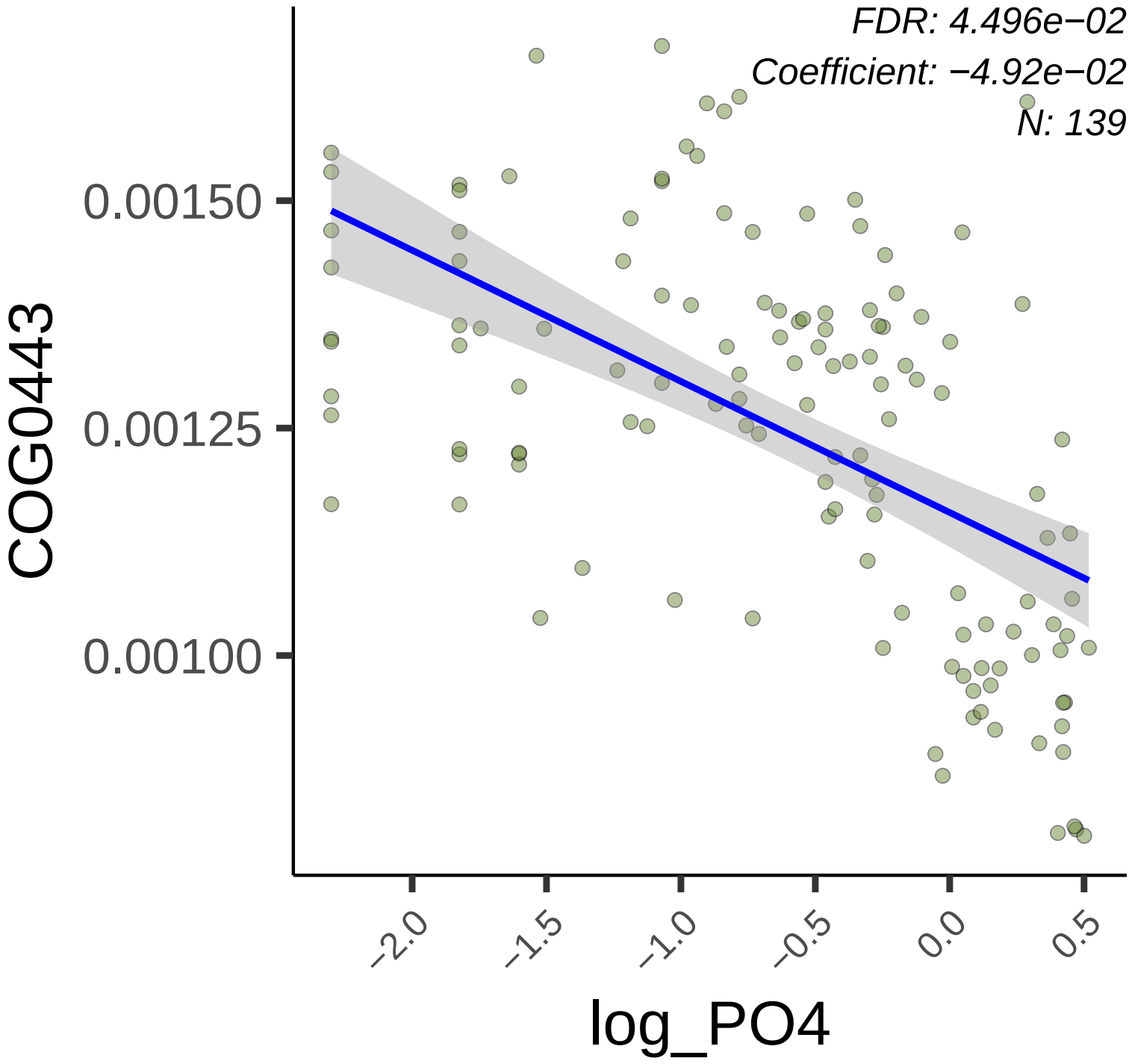
log_PO4


FDR: 4.496e−02
Coefficient: −4.92e−02
N: 139
COG0443
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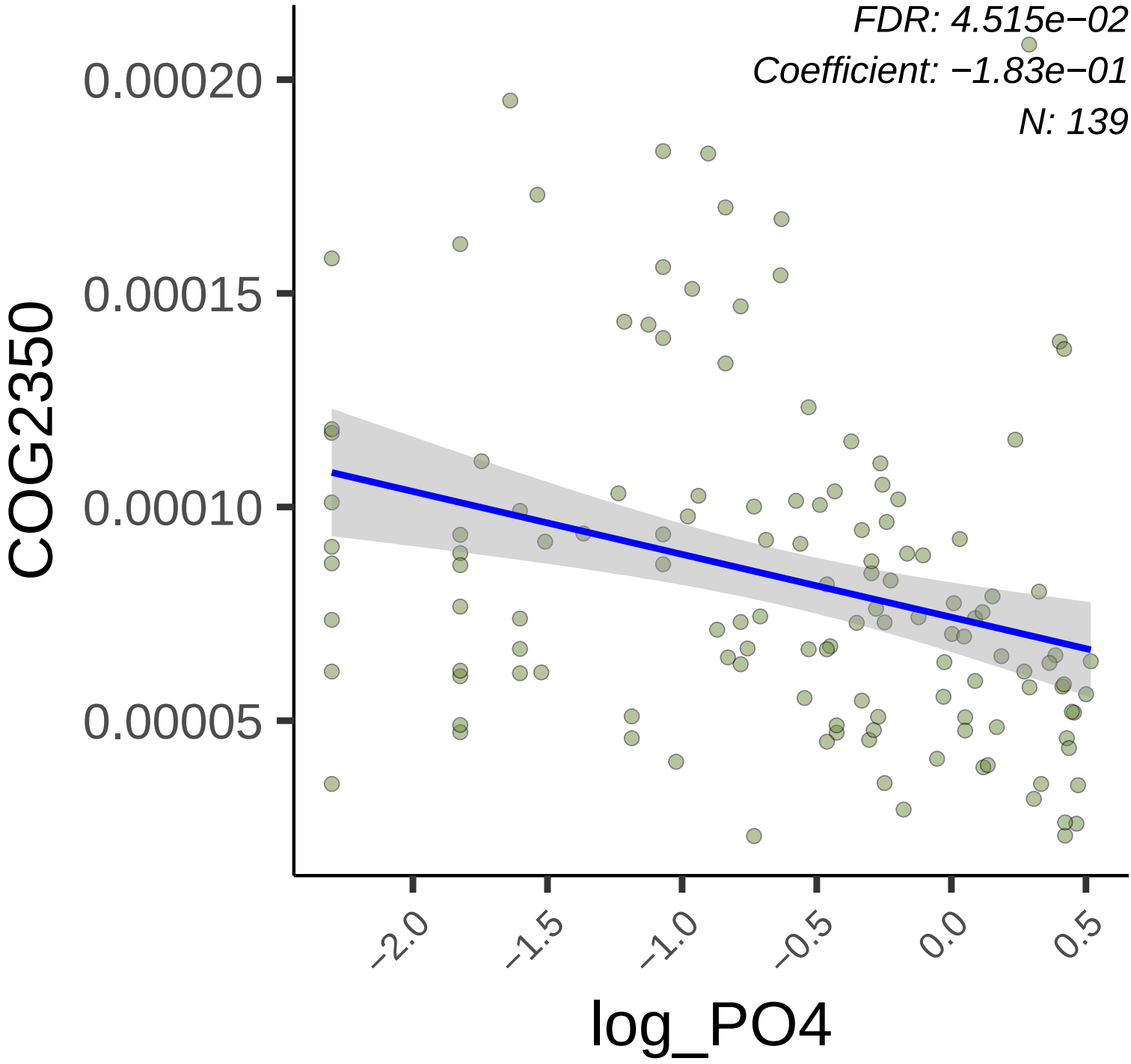
log_PO4


FDR: 4.515e−02
Coefficient: −1.83e−01
N: 139
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COG2350
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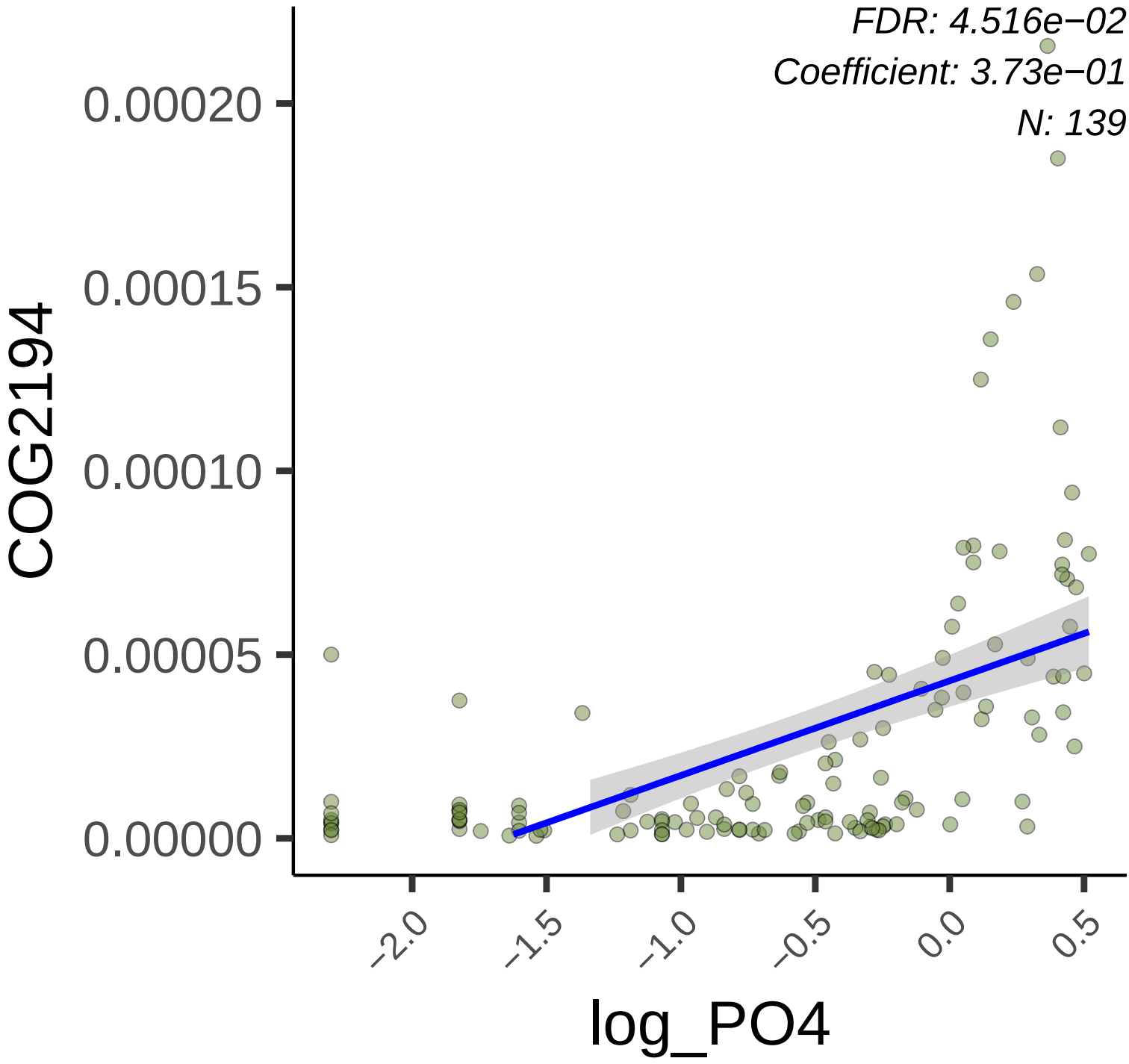
log_PO4


FDR: 4.516e−02
Coefficient: 3.73e−01
N: 139
COG2194
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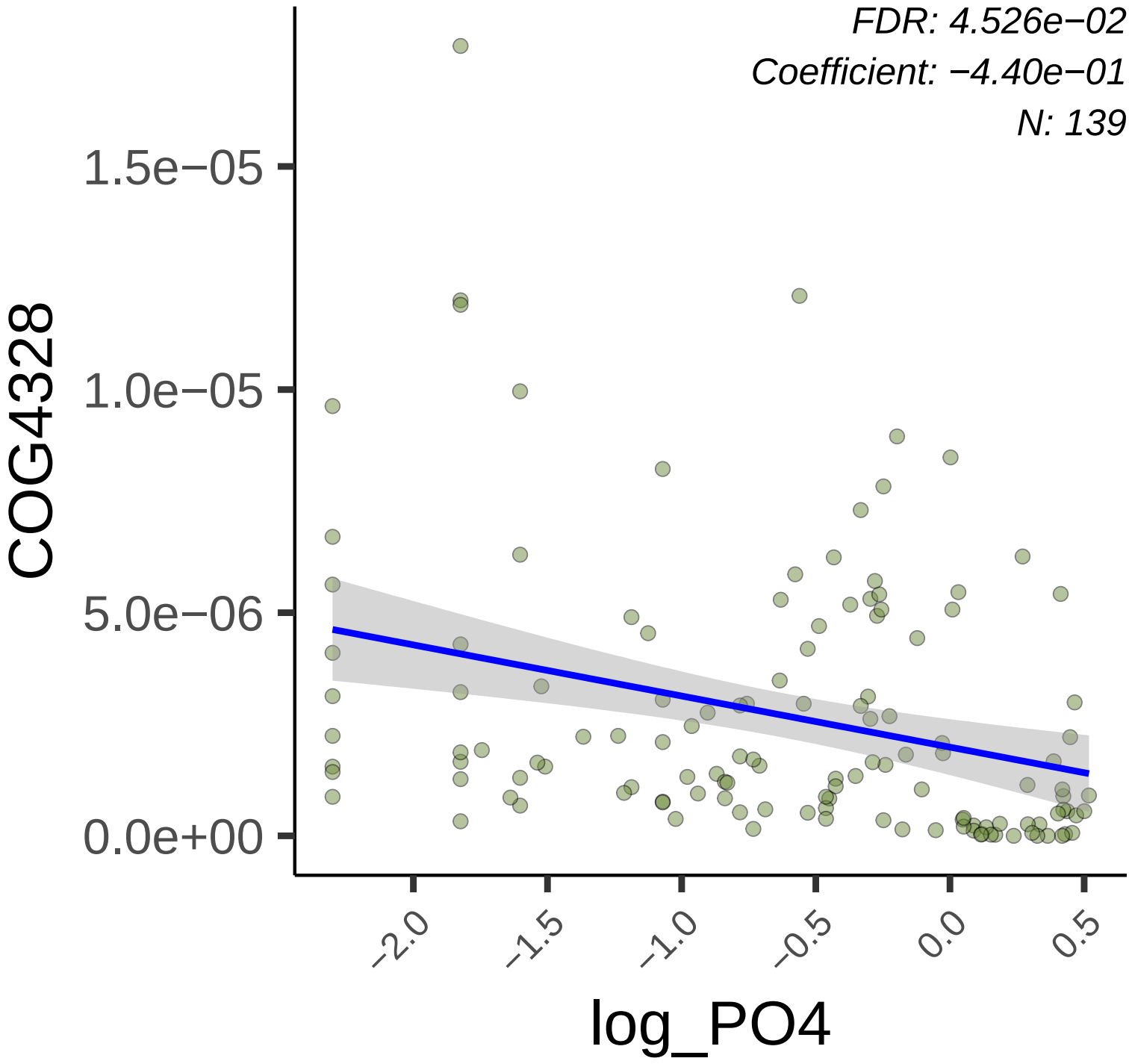
log_PO4


FDR: 4.526e−02
Coefficient: −4.40e−01
N: 139
COG4328
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1.0e−05
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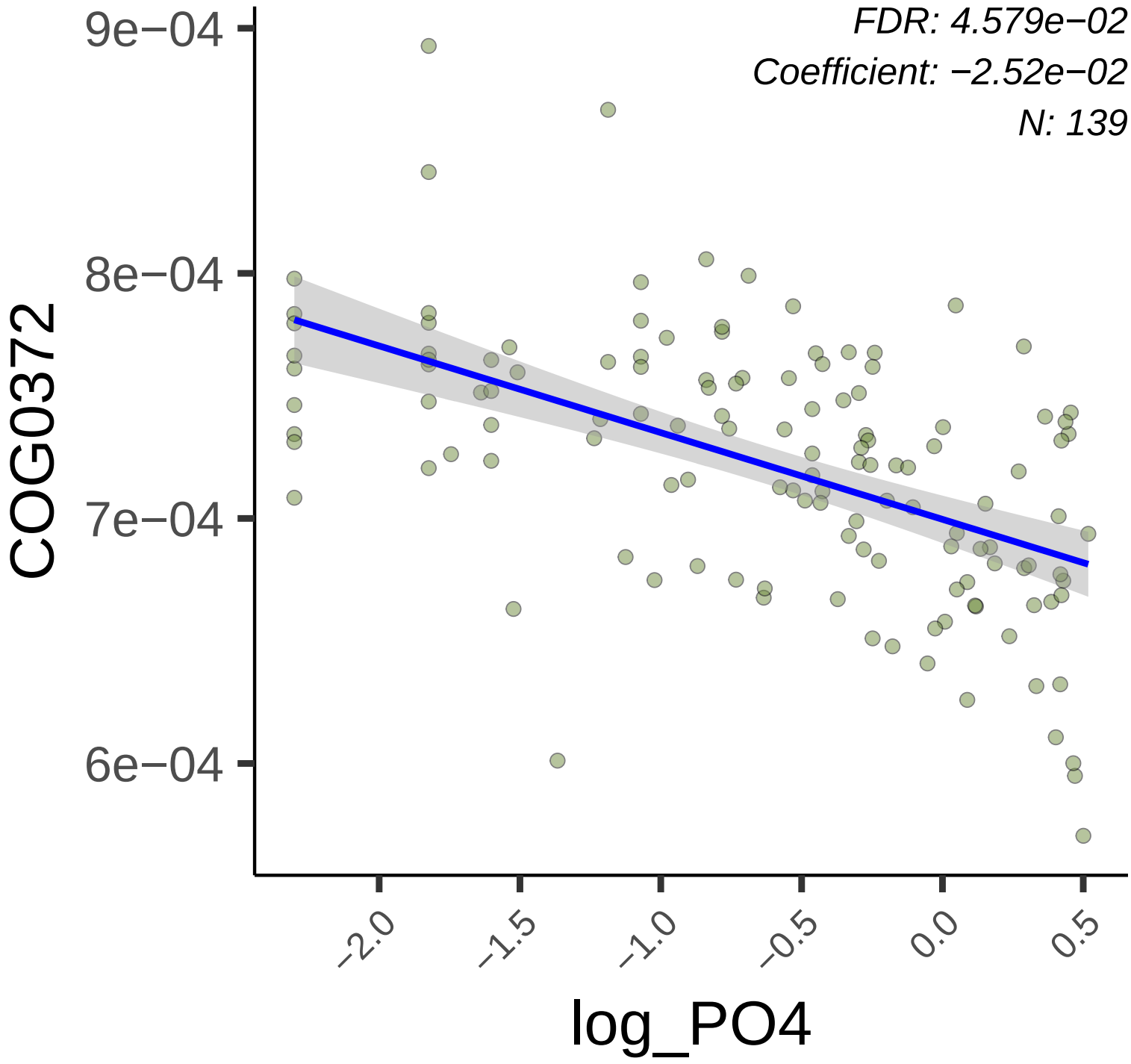
log_PO4


FDR: 4.579e−02
Coefficient: −2.52e−02
N: 139
9e−04
8e−04
7e−04
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COG0372
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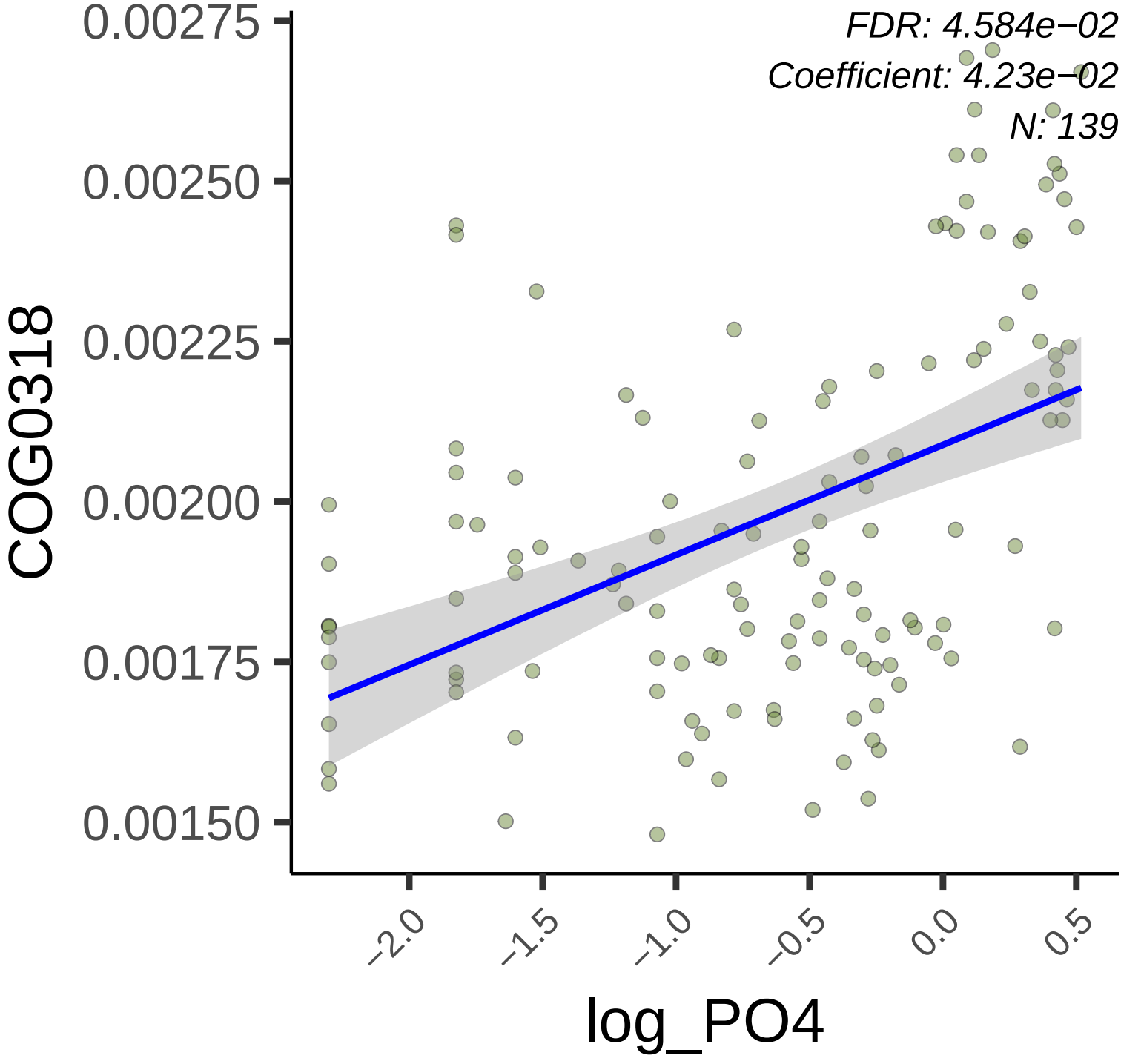
log_PO4


FDR: 4.584e−02
Coefficient: 4.23e−02
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0.00200
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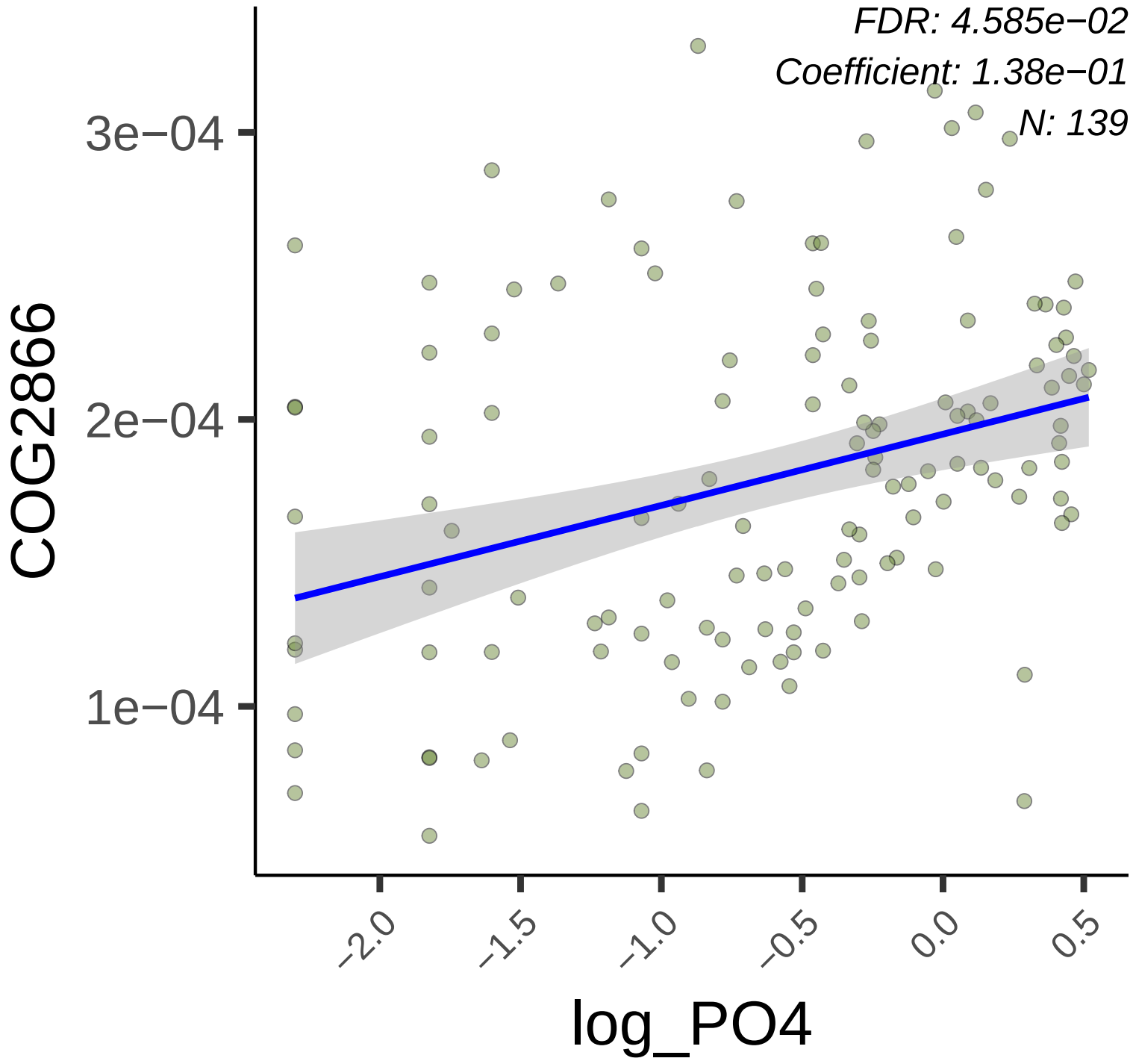
log_PO4


FDR: 4.585e−02
Coefficient: 1.38e−01
N: 139
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2e−04
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COG2866
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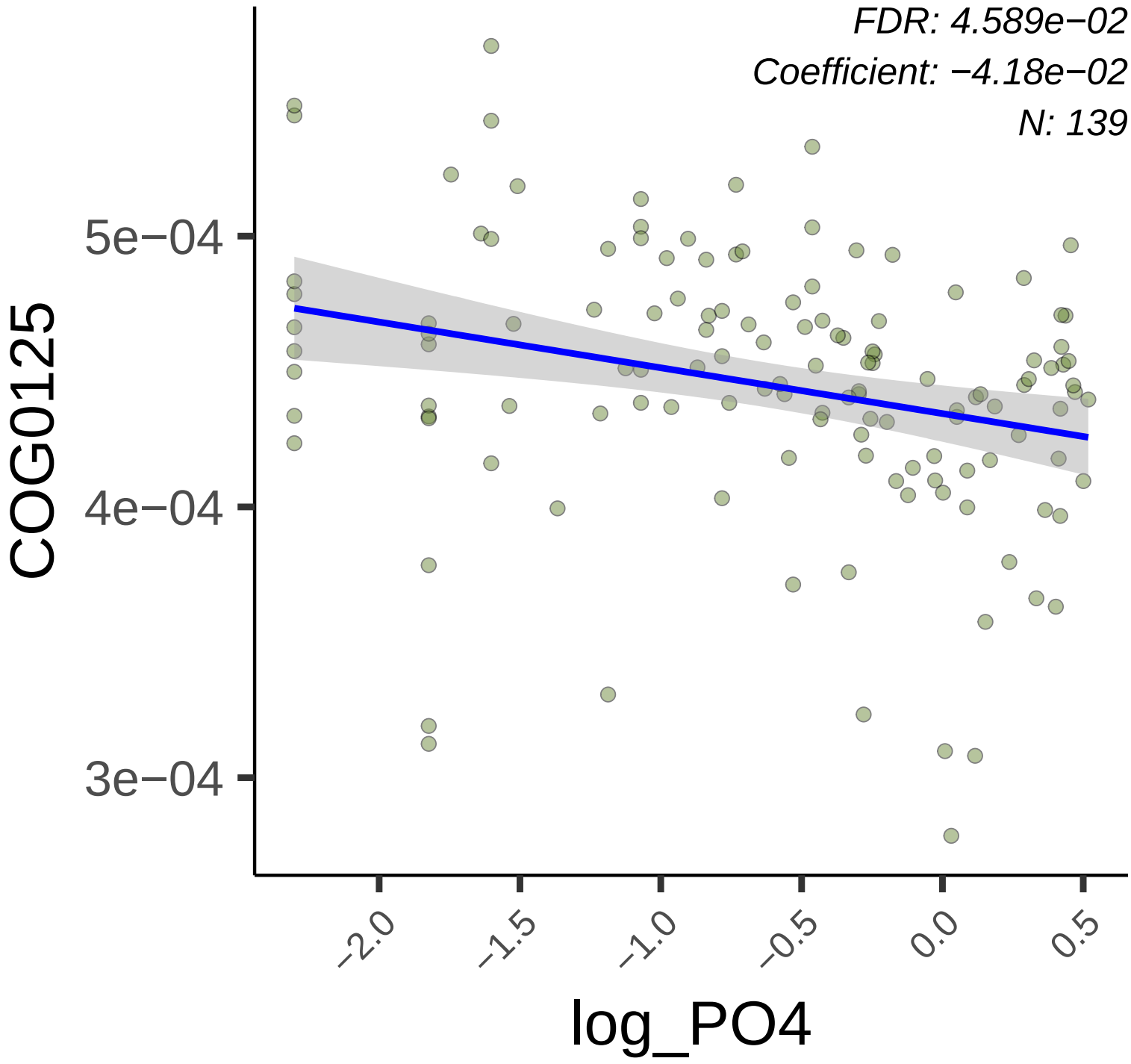
log_PO4


FDR: 4.589e−02
Coefficient: −4.18e−02
N: 139
COG0125
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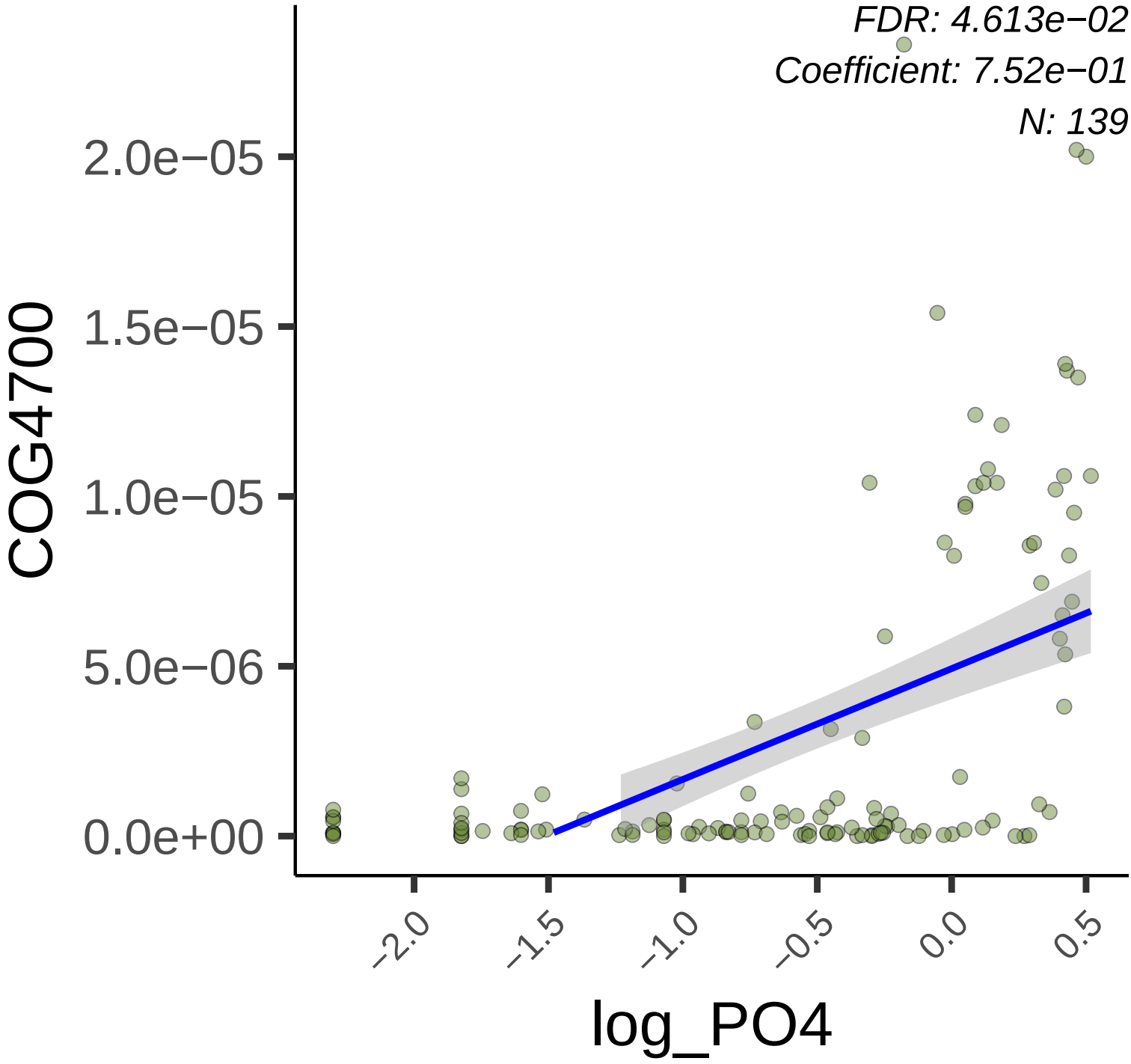
log_PO4


FDR: 4.613e−02
Coefficient: 7.52e−01
N: 139
COG4700
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1.5e−05
1.0e−05
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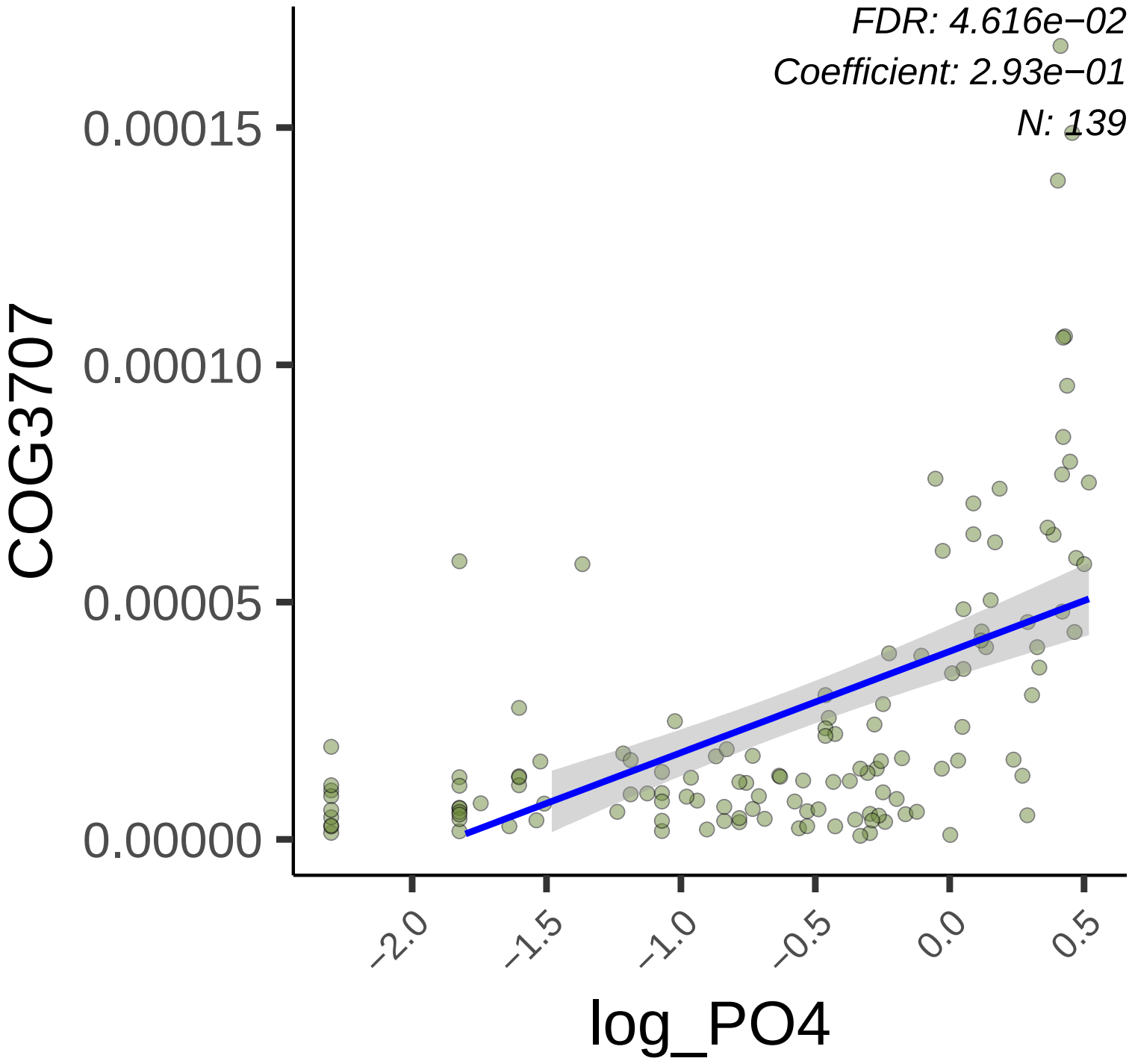
log_PO4


FDR: 4.616e−02
Coefficient: 2.93e−01
N: 139
COG3707
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0.00000
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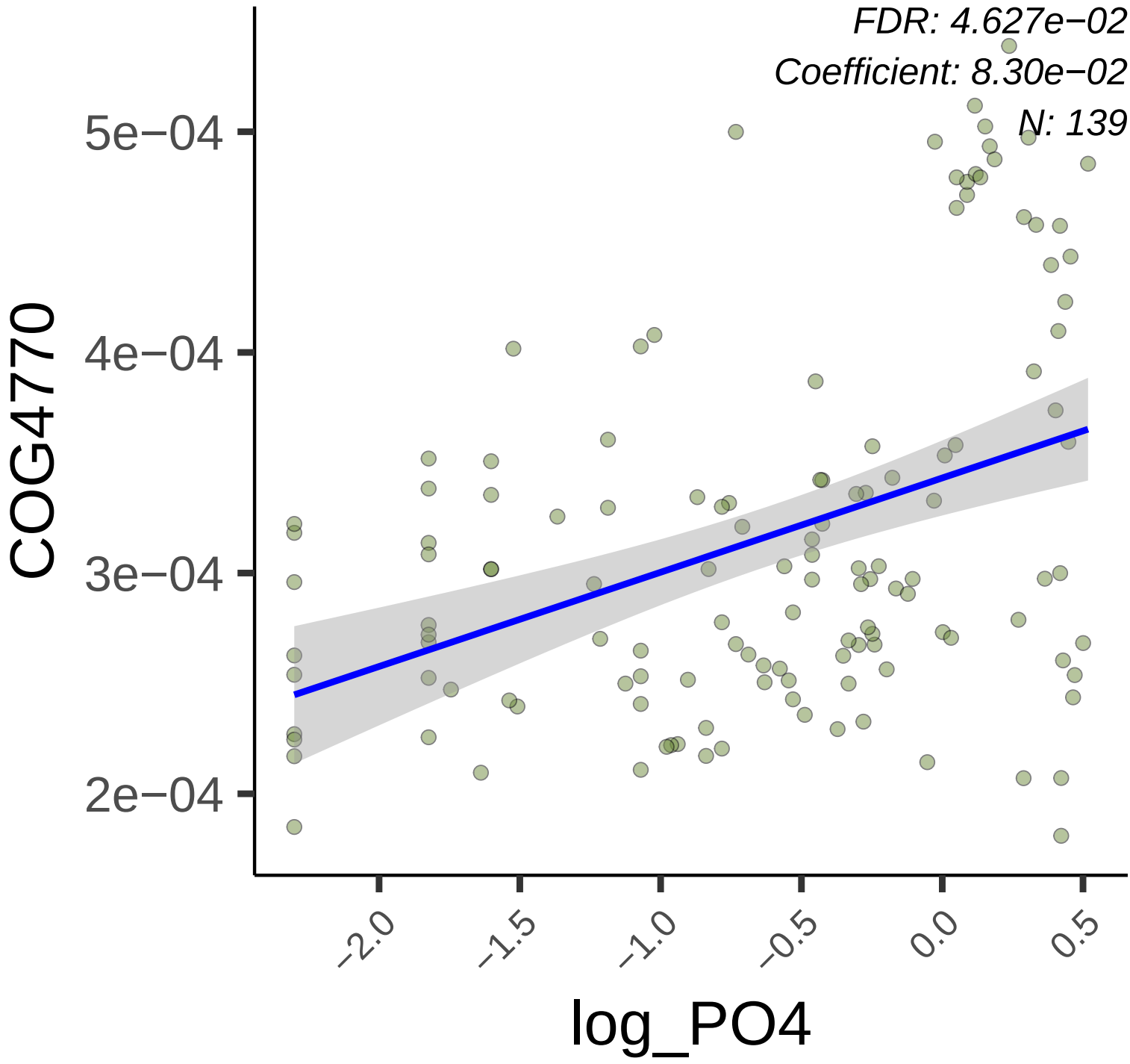
log_PO4


FDR: 4.627e−02
Coefficient: 8.30e−02
N: 139
COG4770
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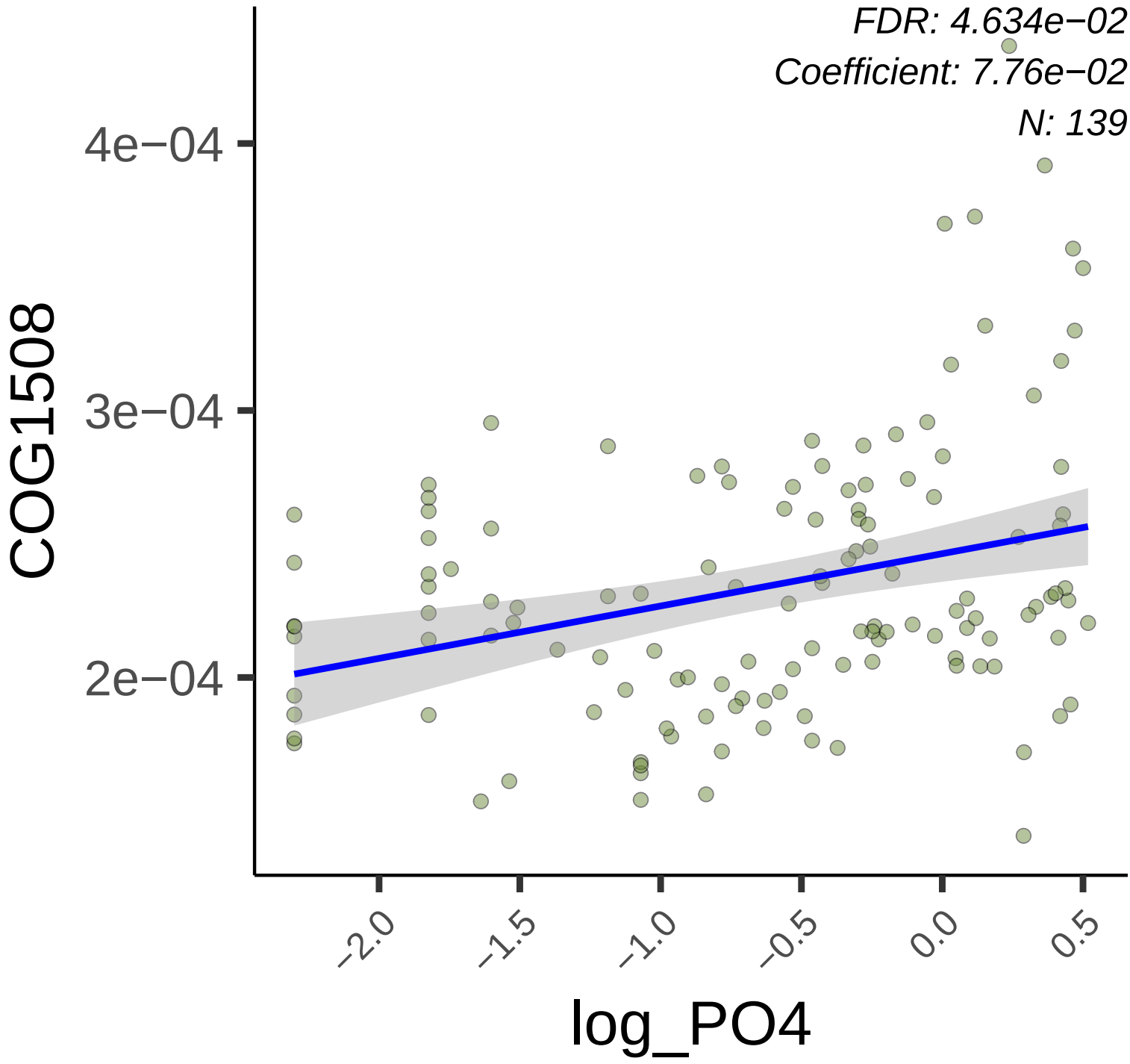
log_PO4


FDR: 4.634e−02
Coefficient: 7.76e−02
N: 139
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COG1508
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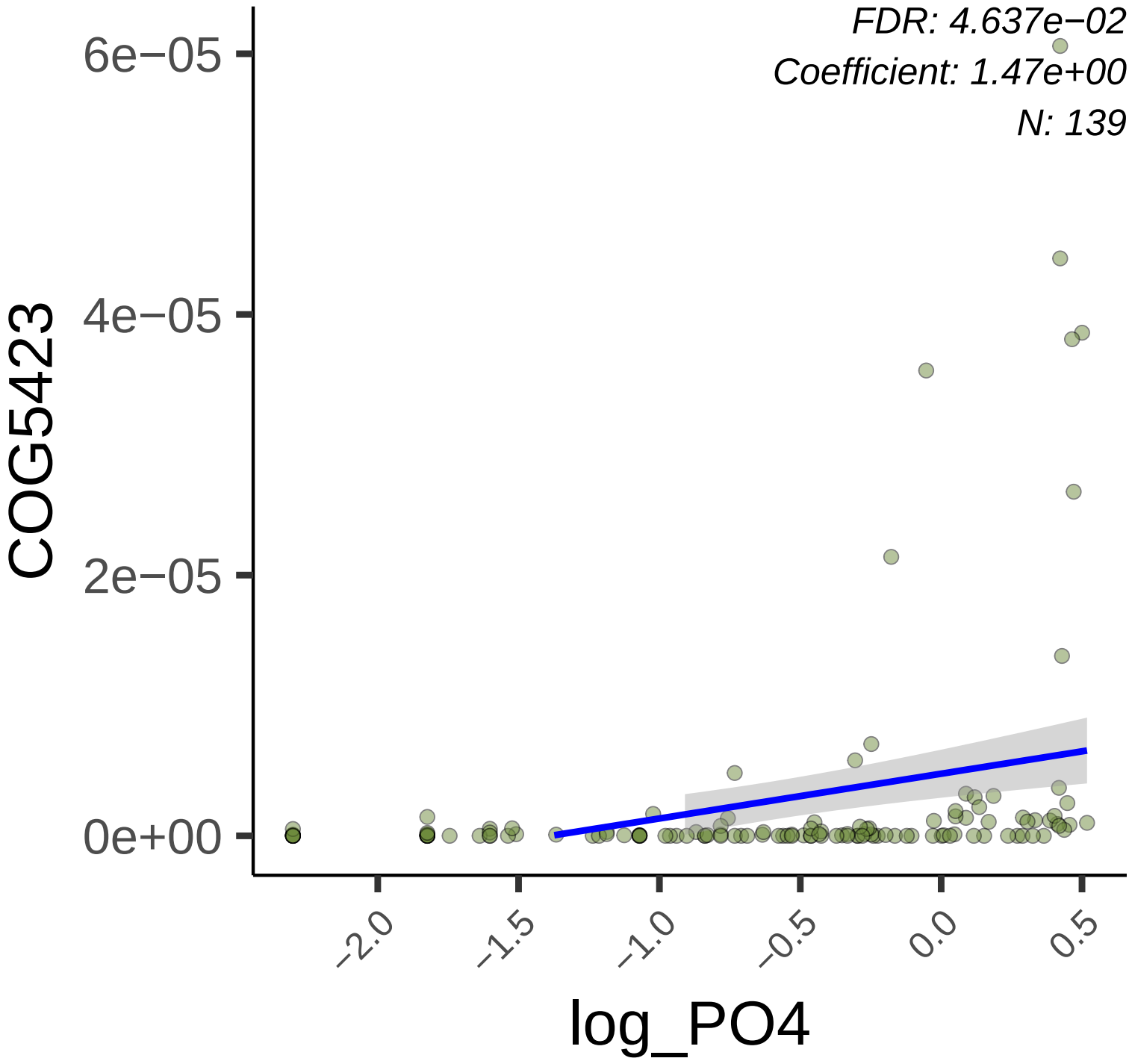
log_PO4


FDR: 4.637e−02
Coefficient: 1.47e+00
N: 139
COG5423
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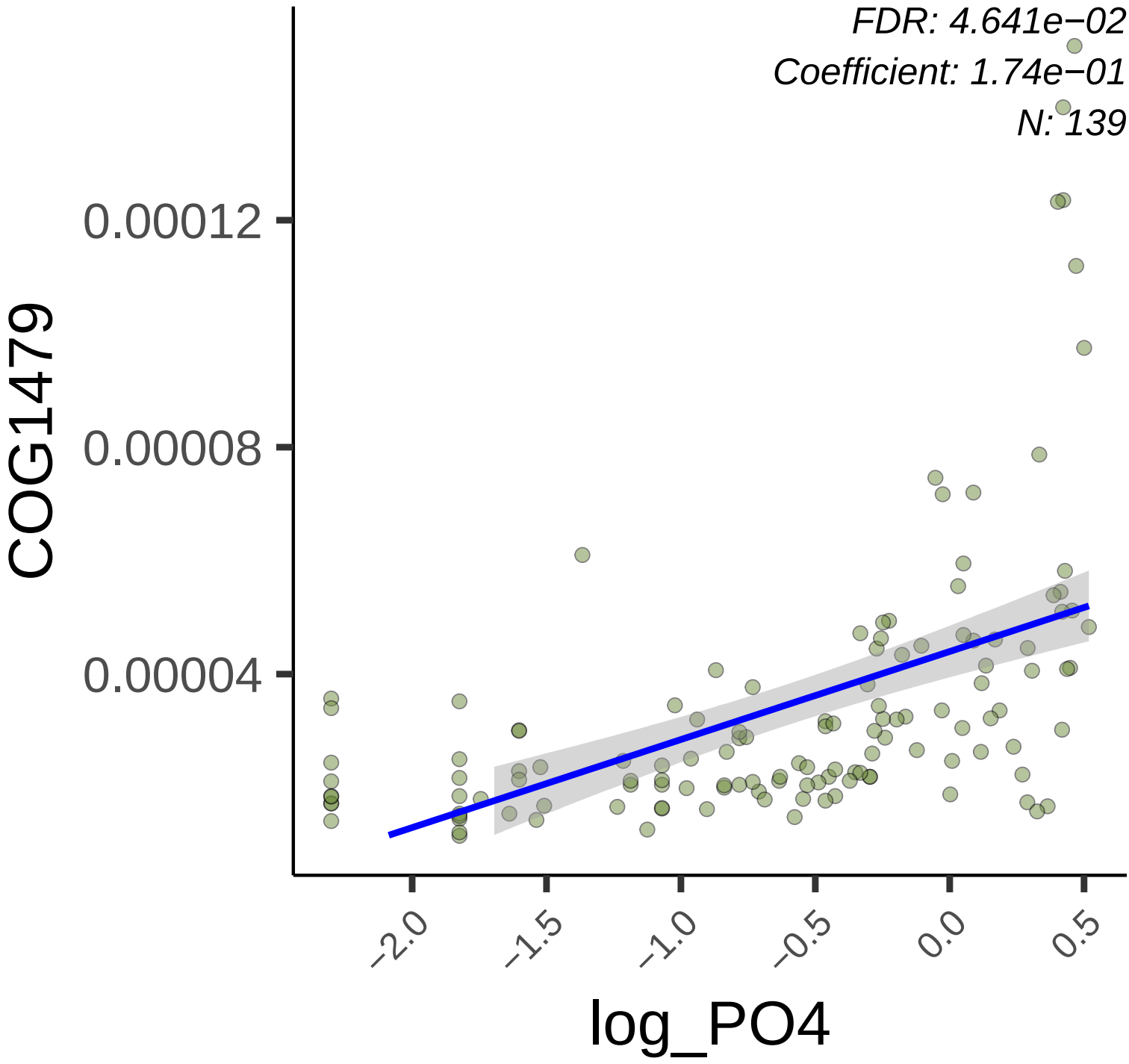
log_PO4


FDR: 4.641e−02
Coefficient: 1.74e−01
N: 139
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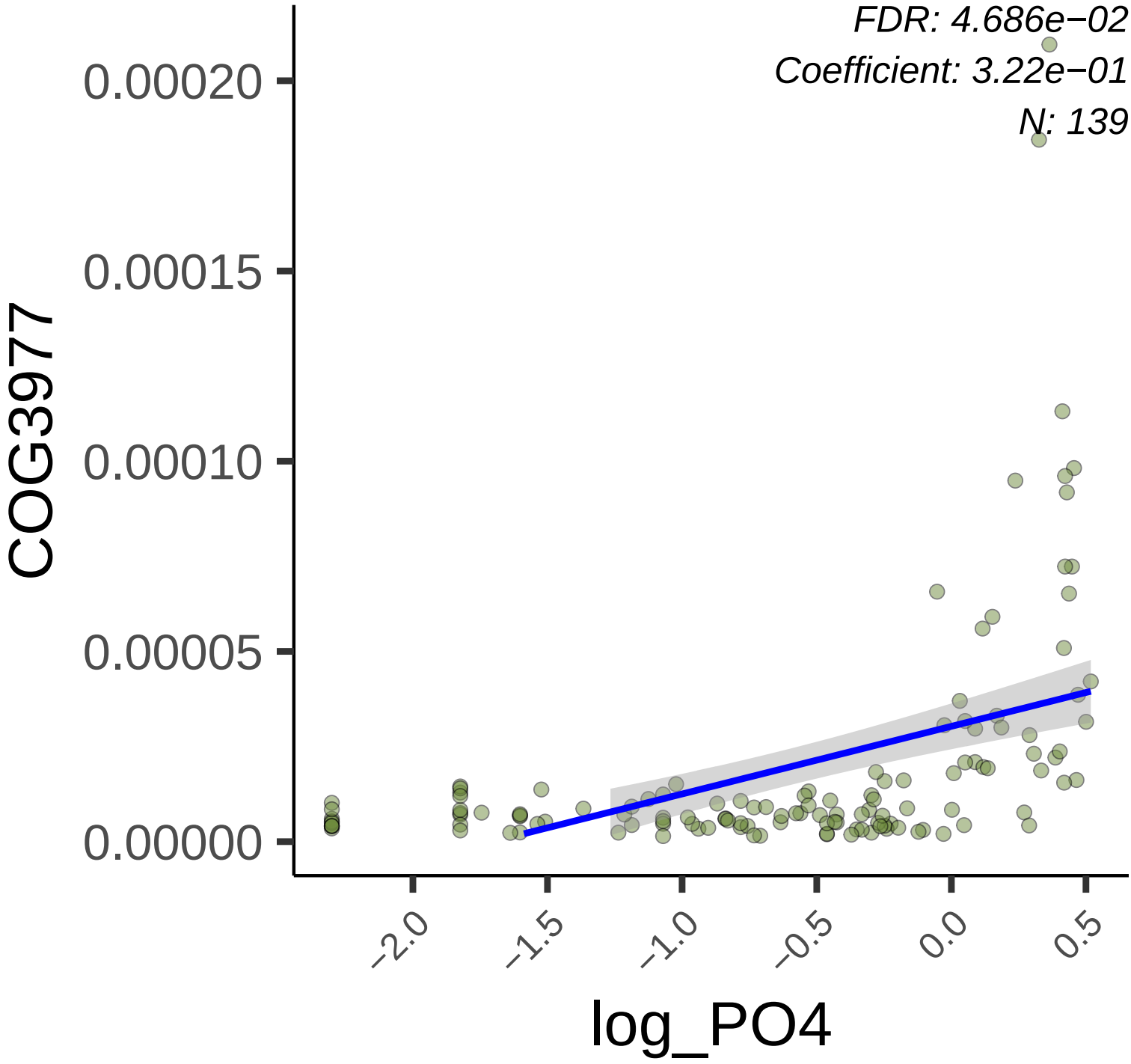
log_PO4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Coefficient: 3.22e−01
N: 139
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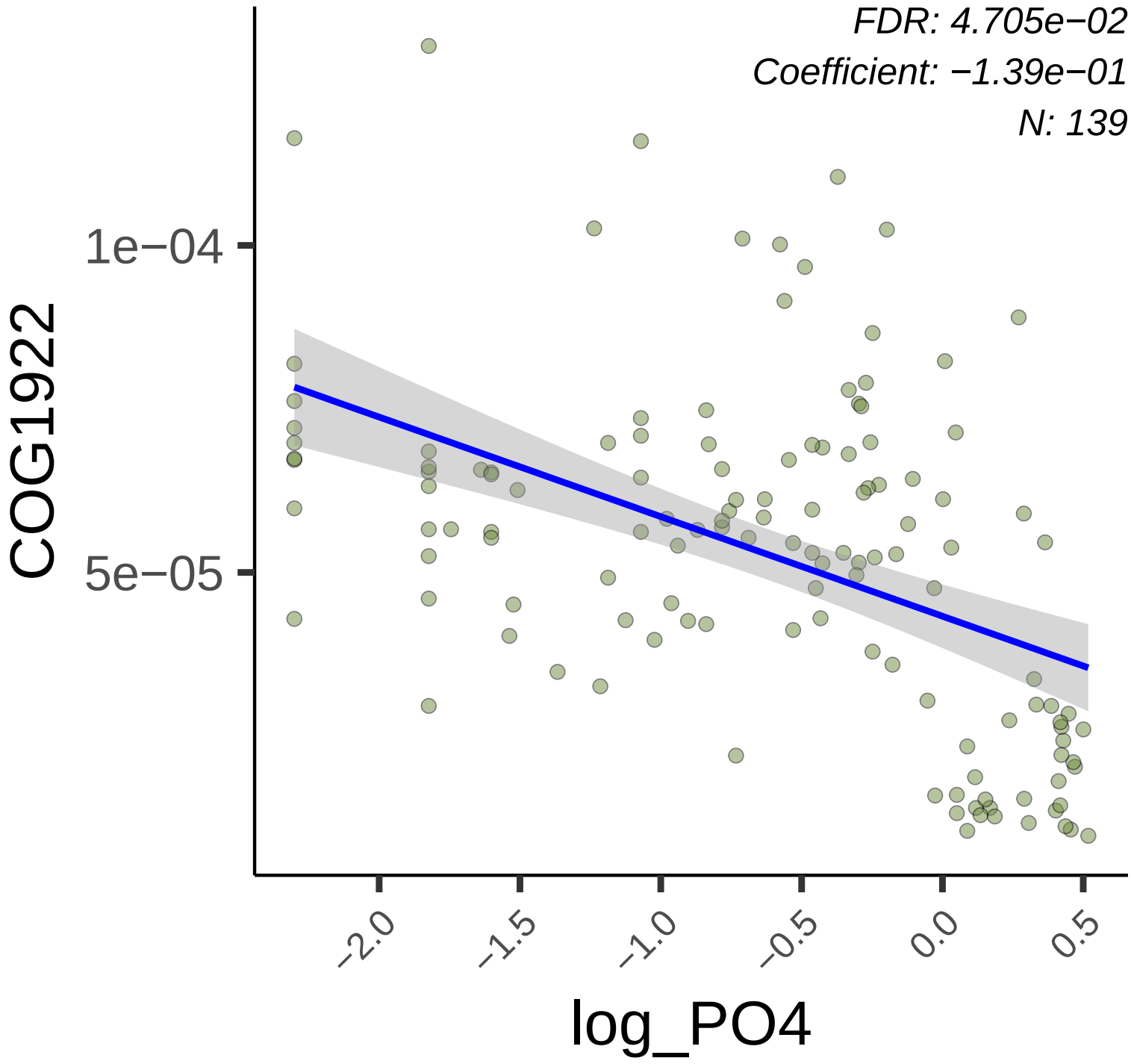
log_PO4


FDR: 4.705e−02
Coefficient: −1.39e−01
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COG1922
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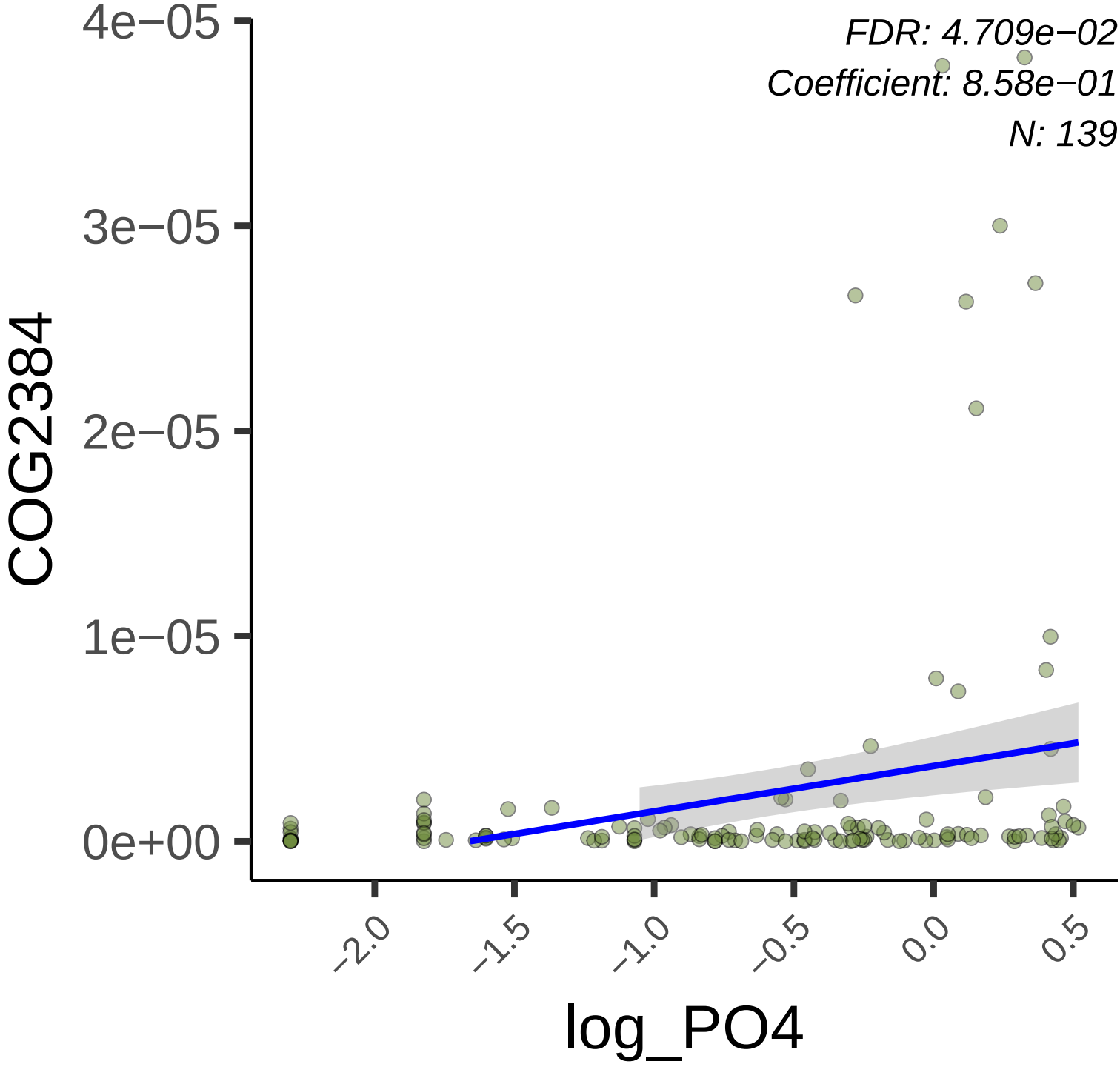
log_PO4


FDR: 4.709e−02
Coefficient: 8.58e−01
N: 139
COG2384
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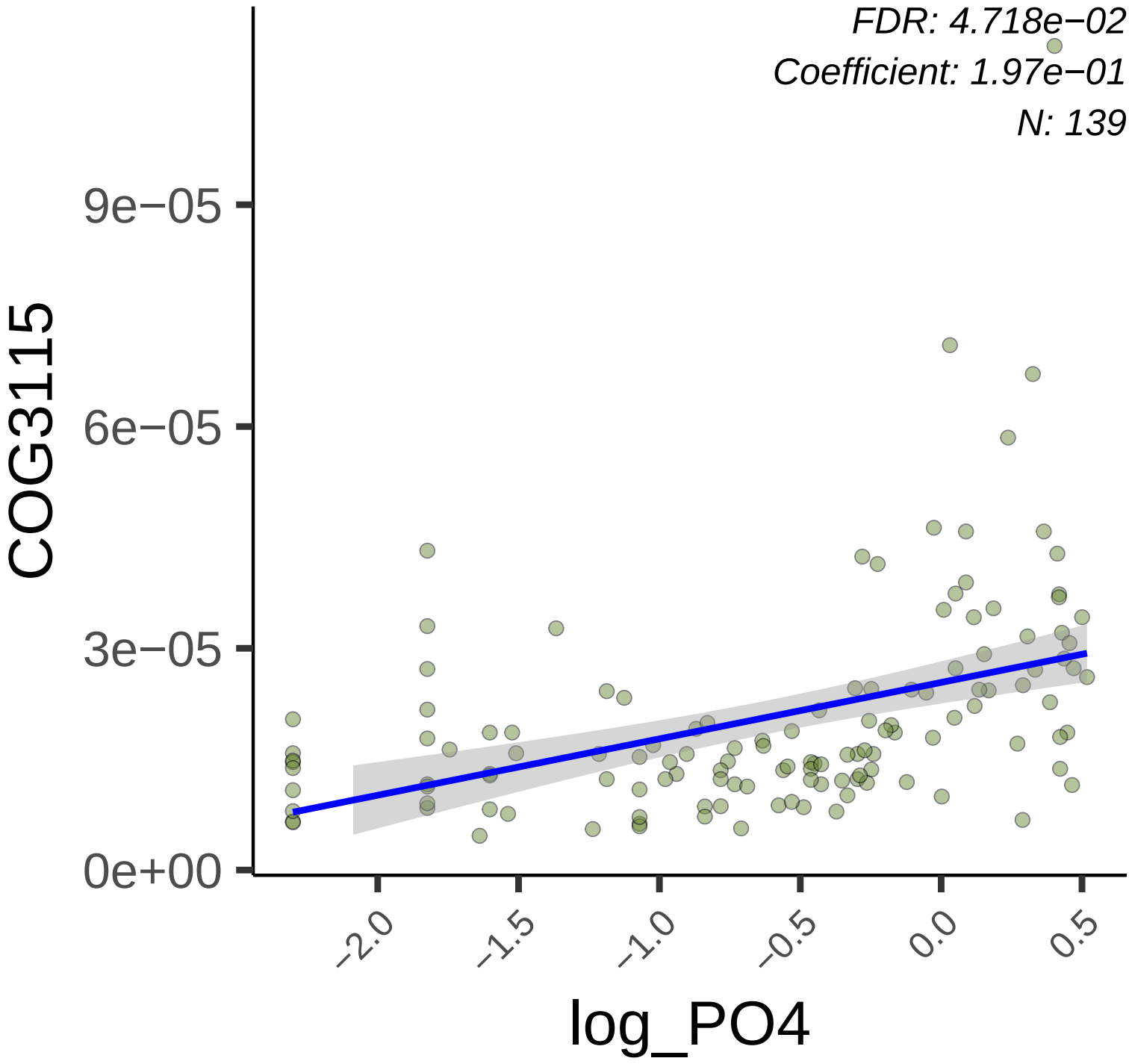
log_PO4


FDR: 4.718e−02
Coefficient: 1.97e−01
N: 139
COG3115
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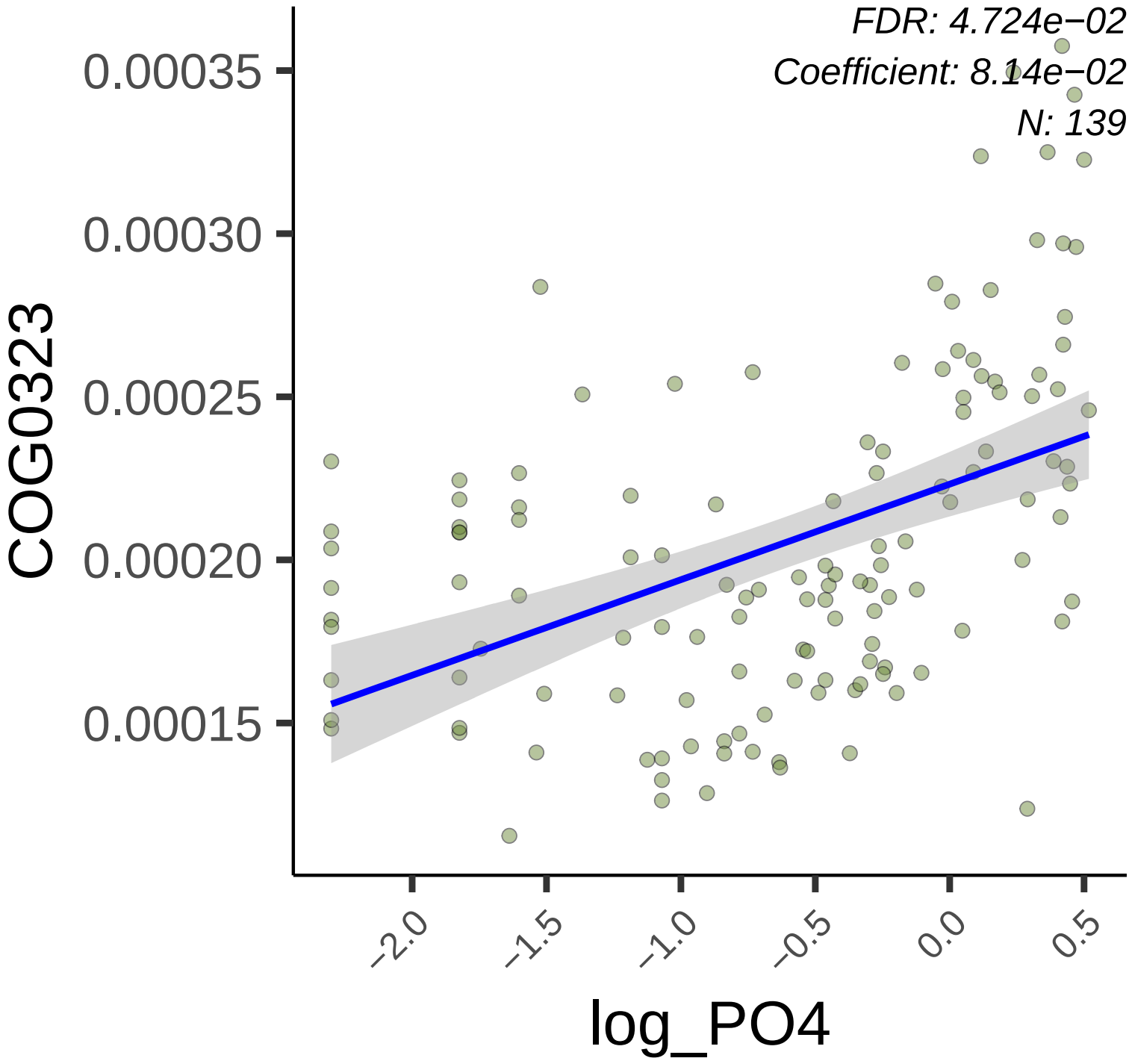
log_PO4


FDR: 4.724e−02
Coefficient: 8.14e−02
N: 139
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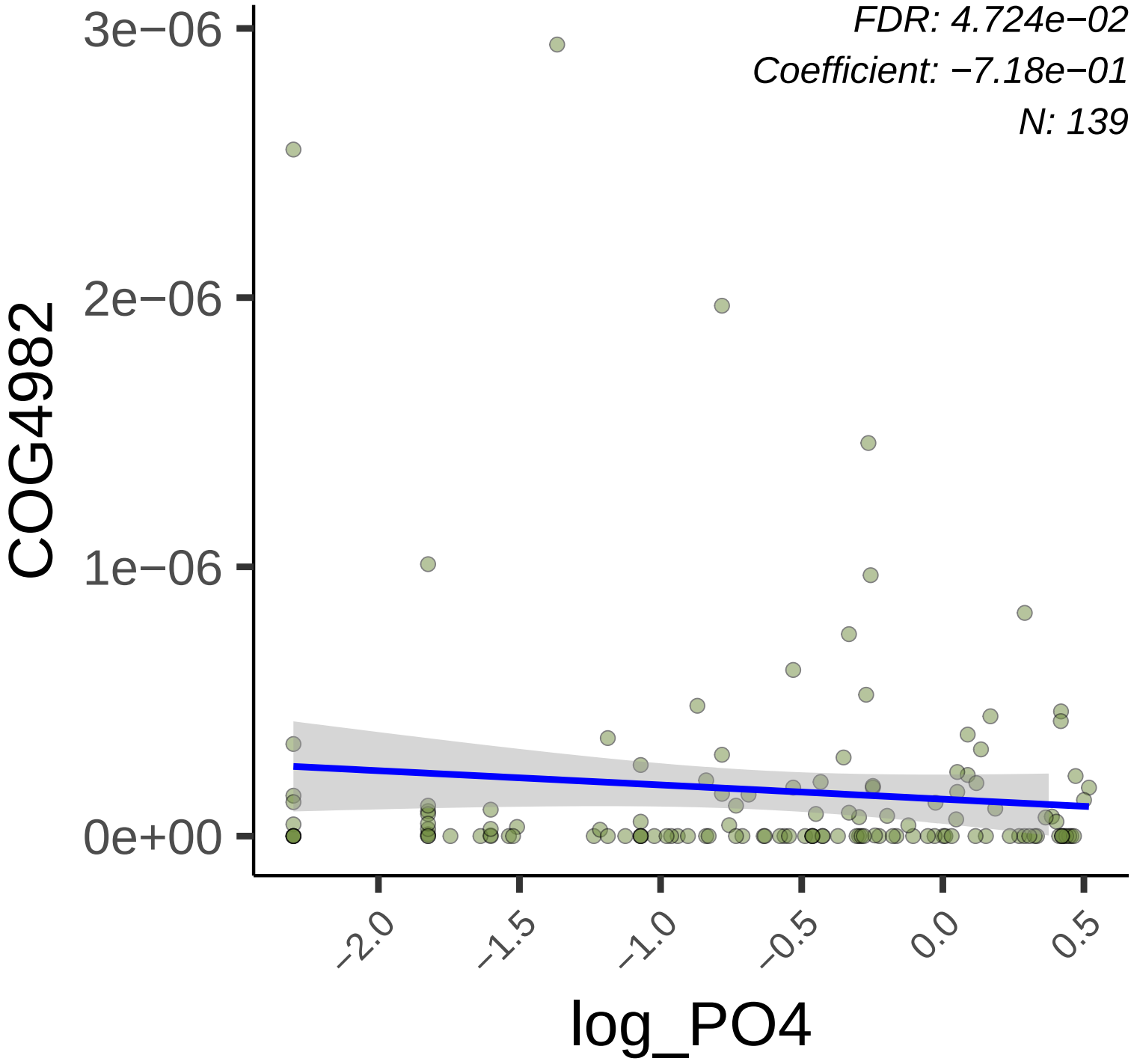
log_PO4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Coefficient: −7.18e−01
N: 139
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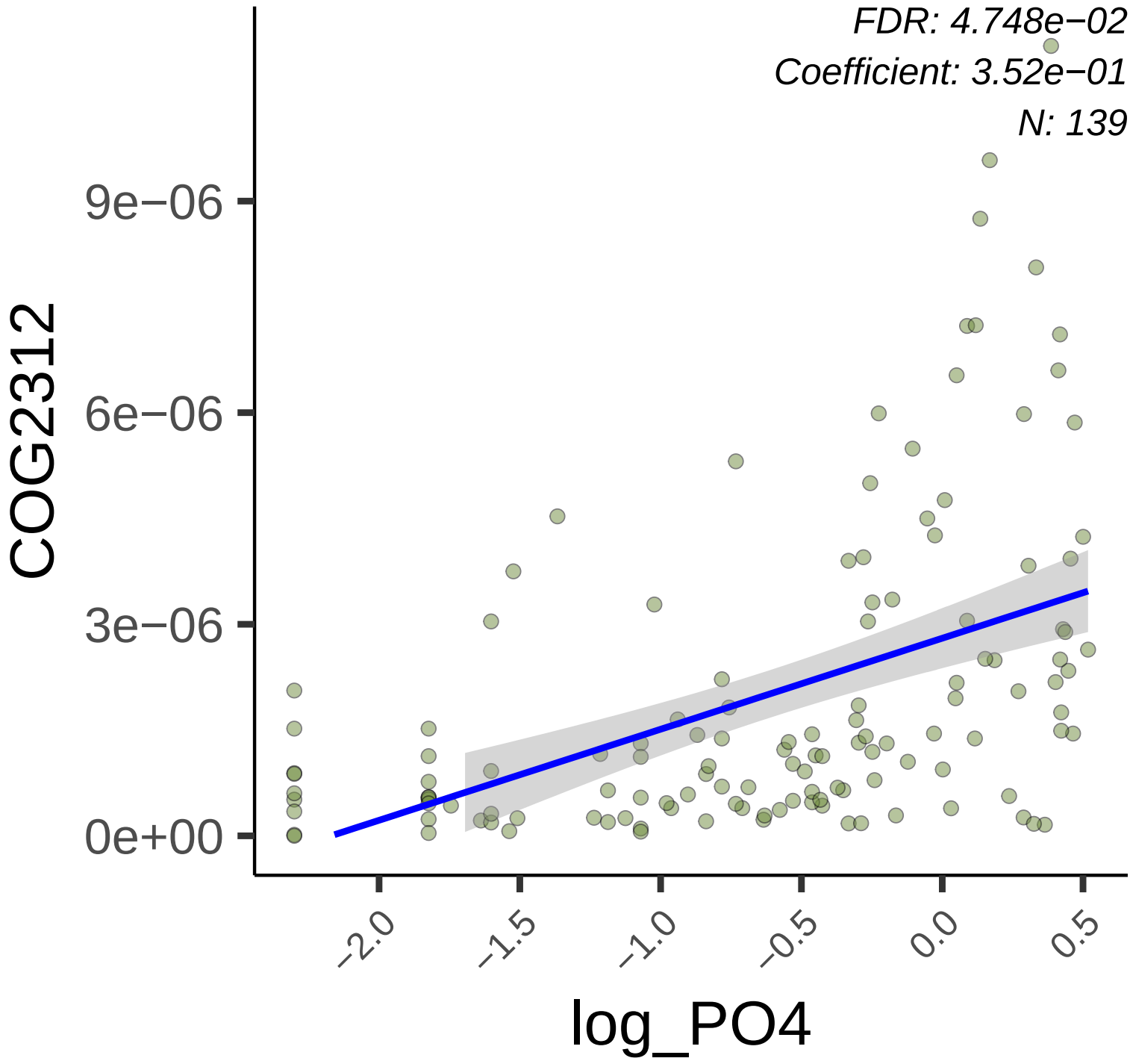
FDR: 4.748e−02
Coefficient: 3.52e−01
N: 139
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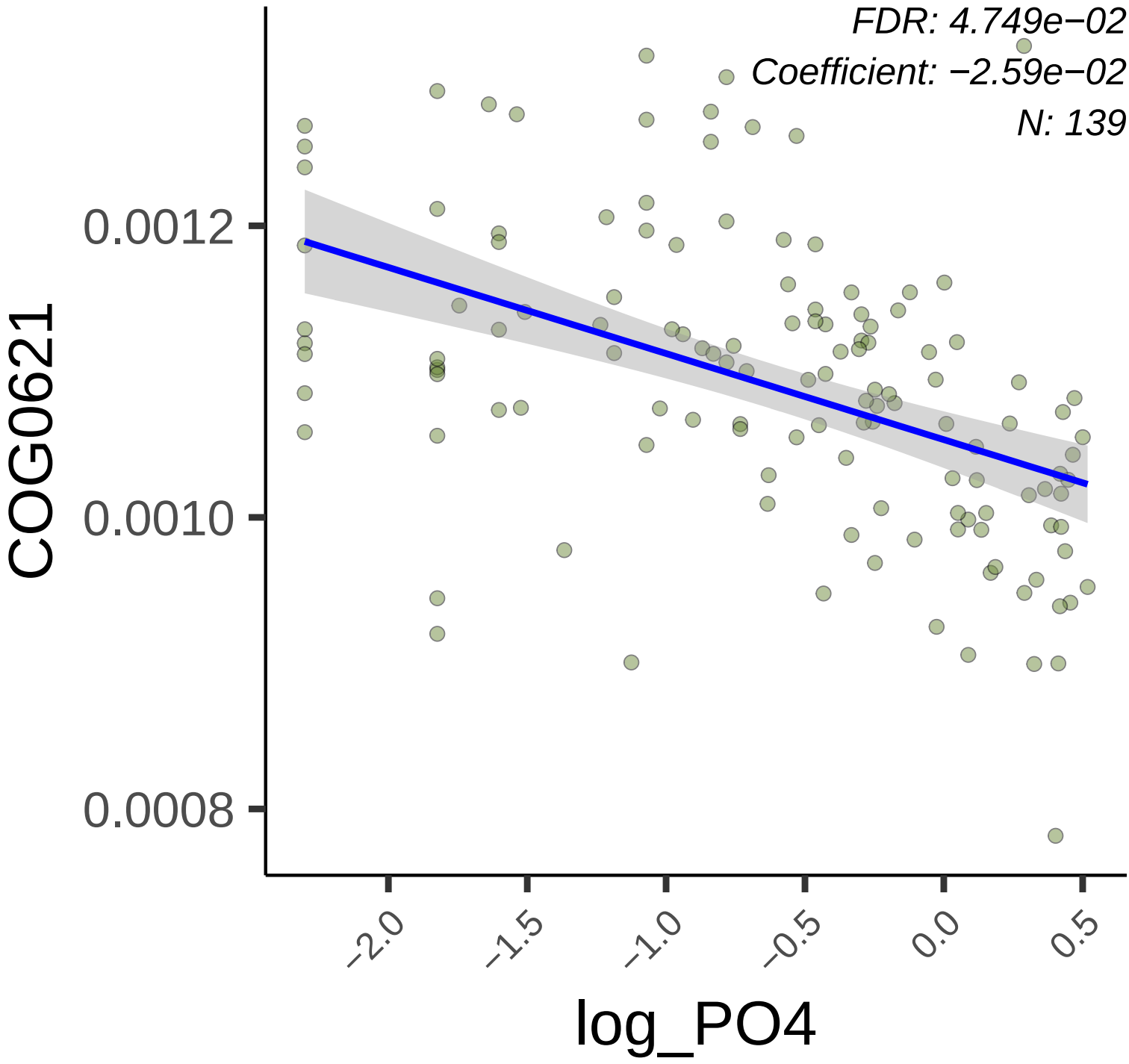
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Coefficient: −2.59e−02
N: 139
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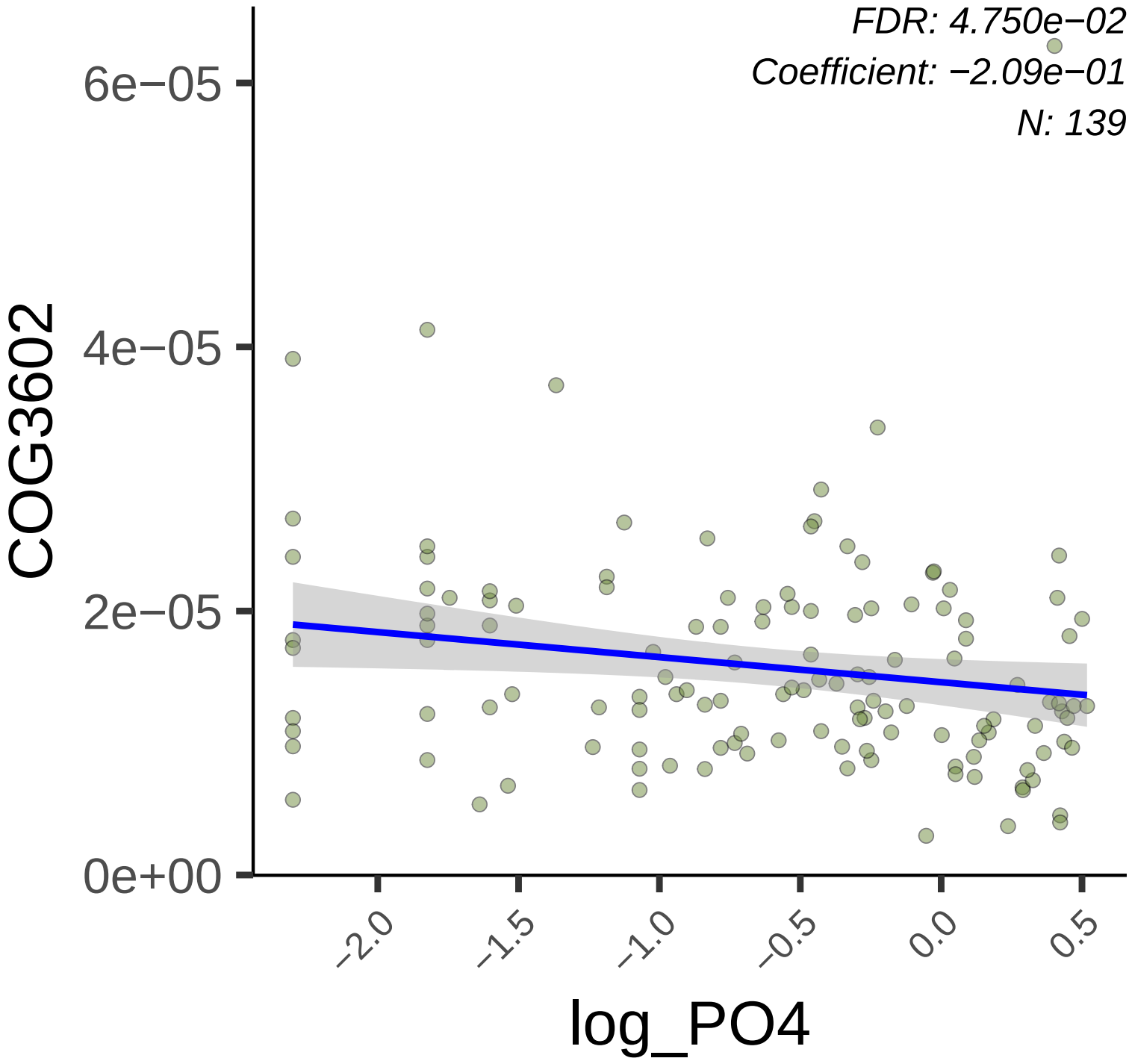
log_PO4


FDR: 4.750e−02
Coefficient: −2.09e−01
N: 139
COG3602
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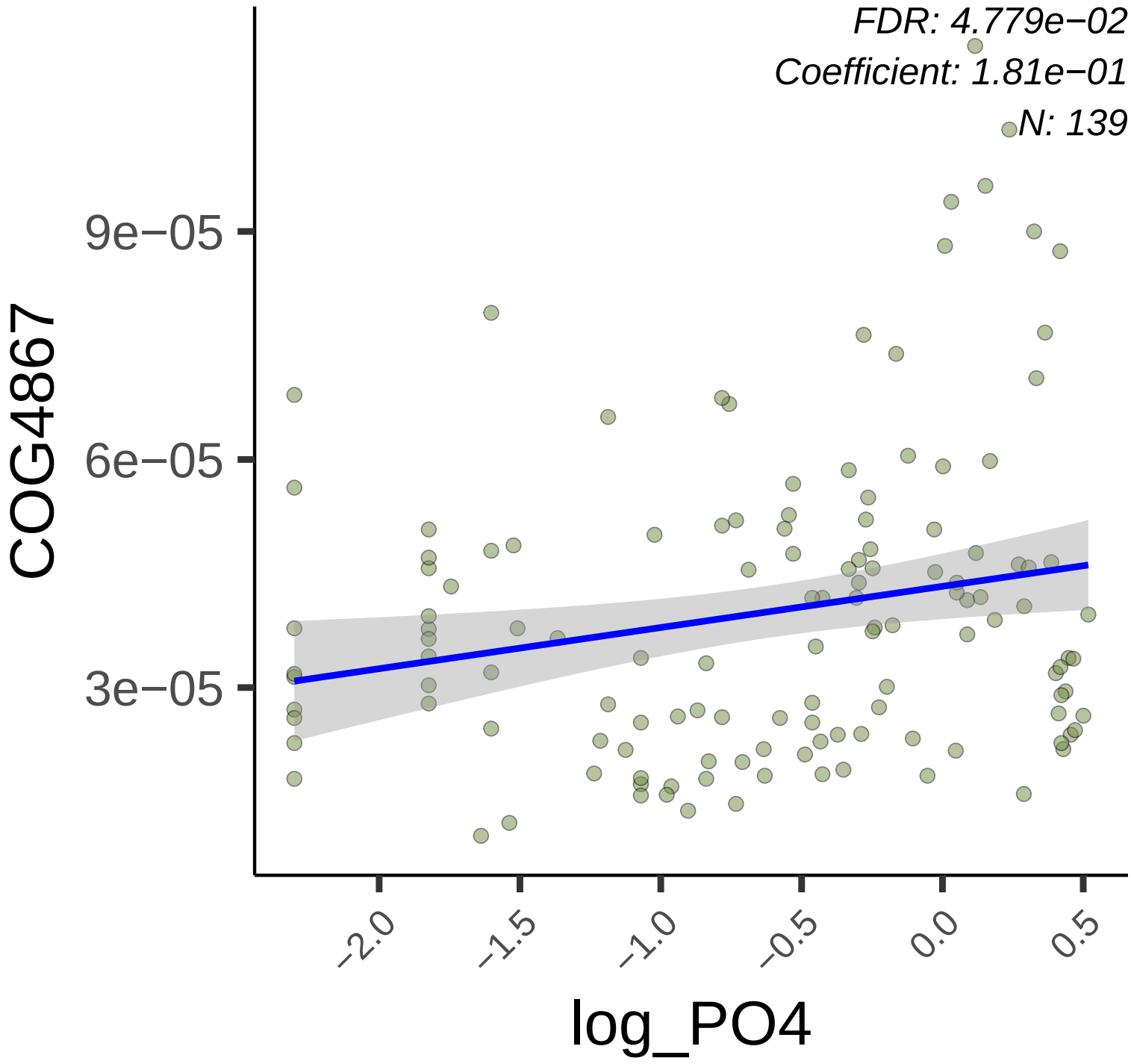
log_PO4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Coefficient: 1.81e−01
N: 139
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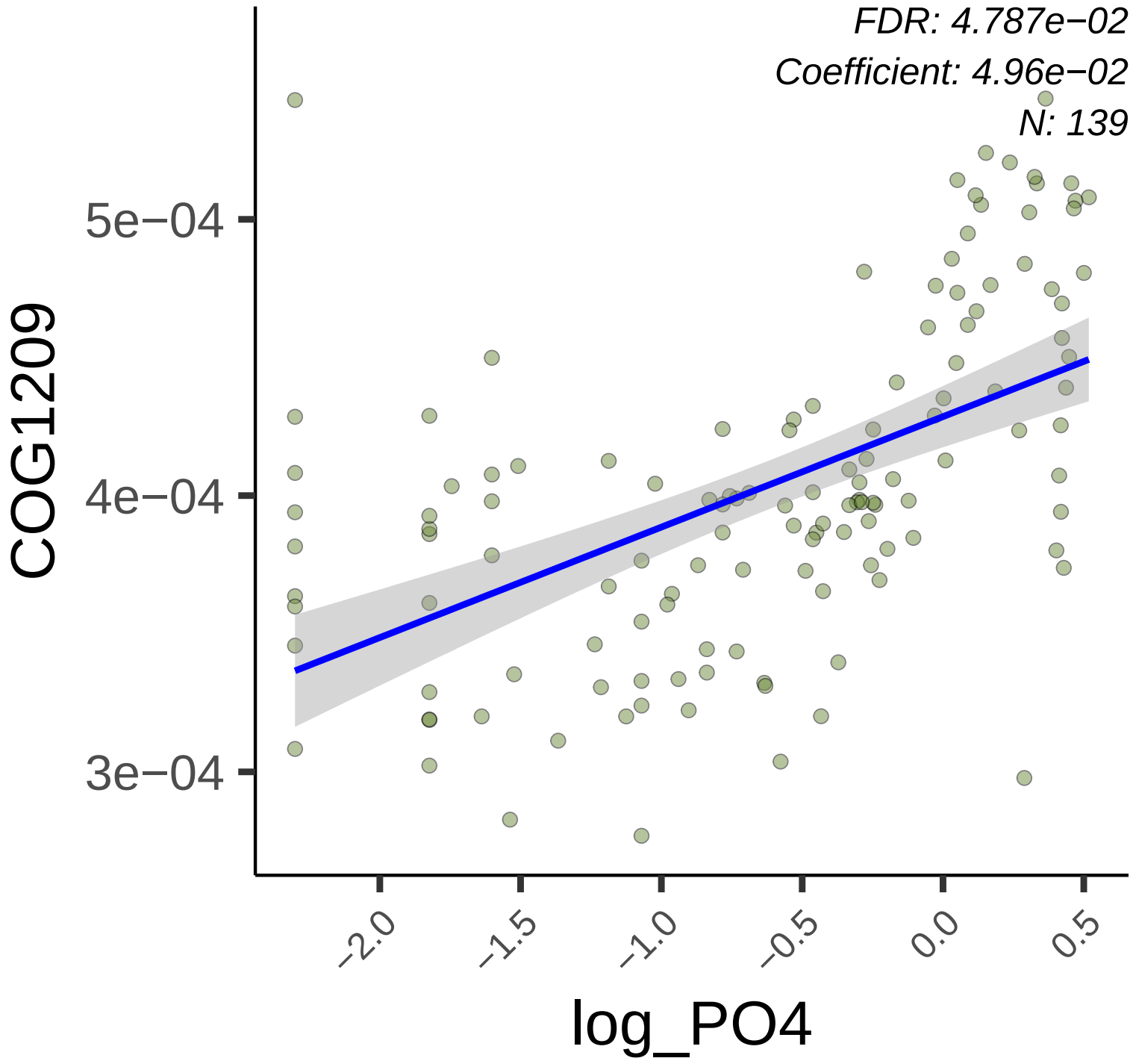
log_PO4


FDR: 4.787e−02
Coefficient: 4.96e−02
N: 139
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COG1209
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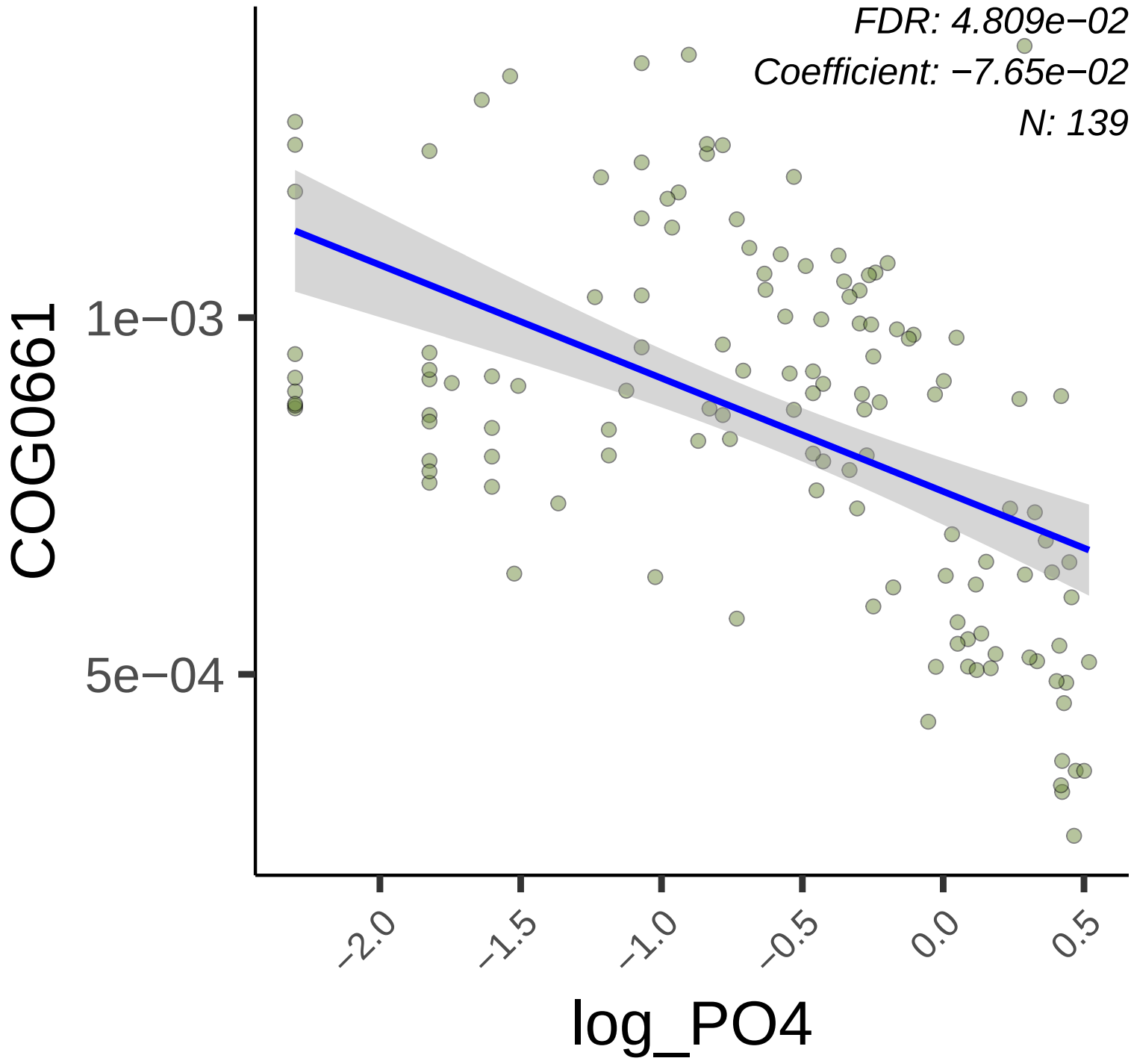
log_PO4


FDR: 4.809e−02
Coefficient: −7.65e−02
N: 139
COG0661
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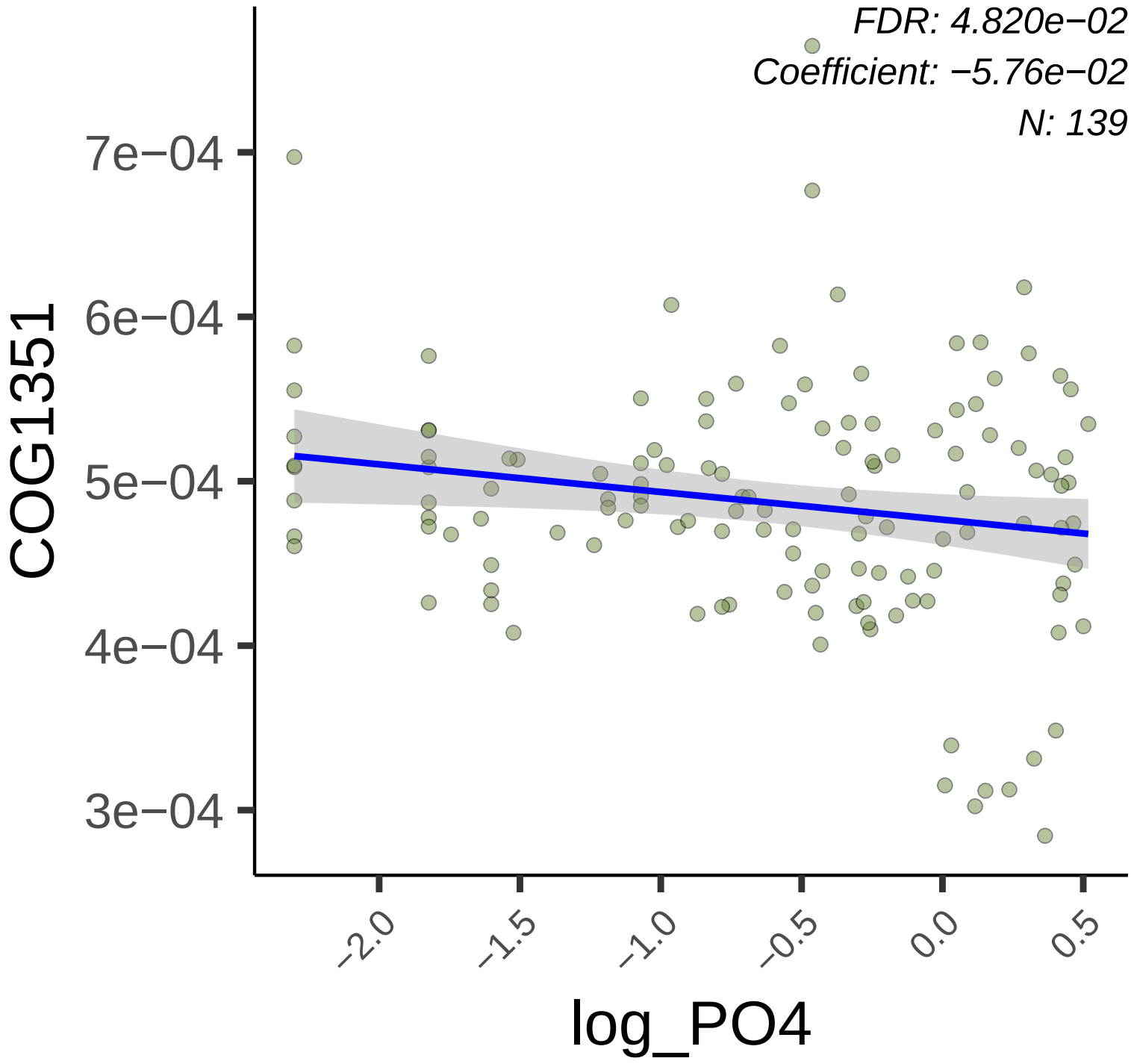
log_PO4


FDR: 4.820e−02
Coefficient: −5.76e−02
N: 139
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COG1351
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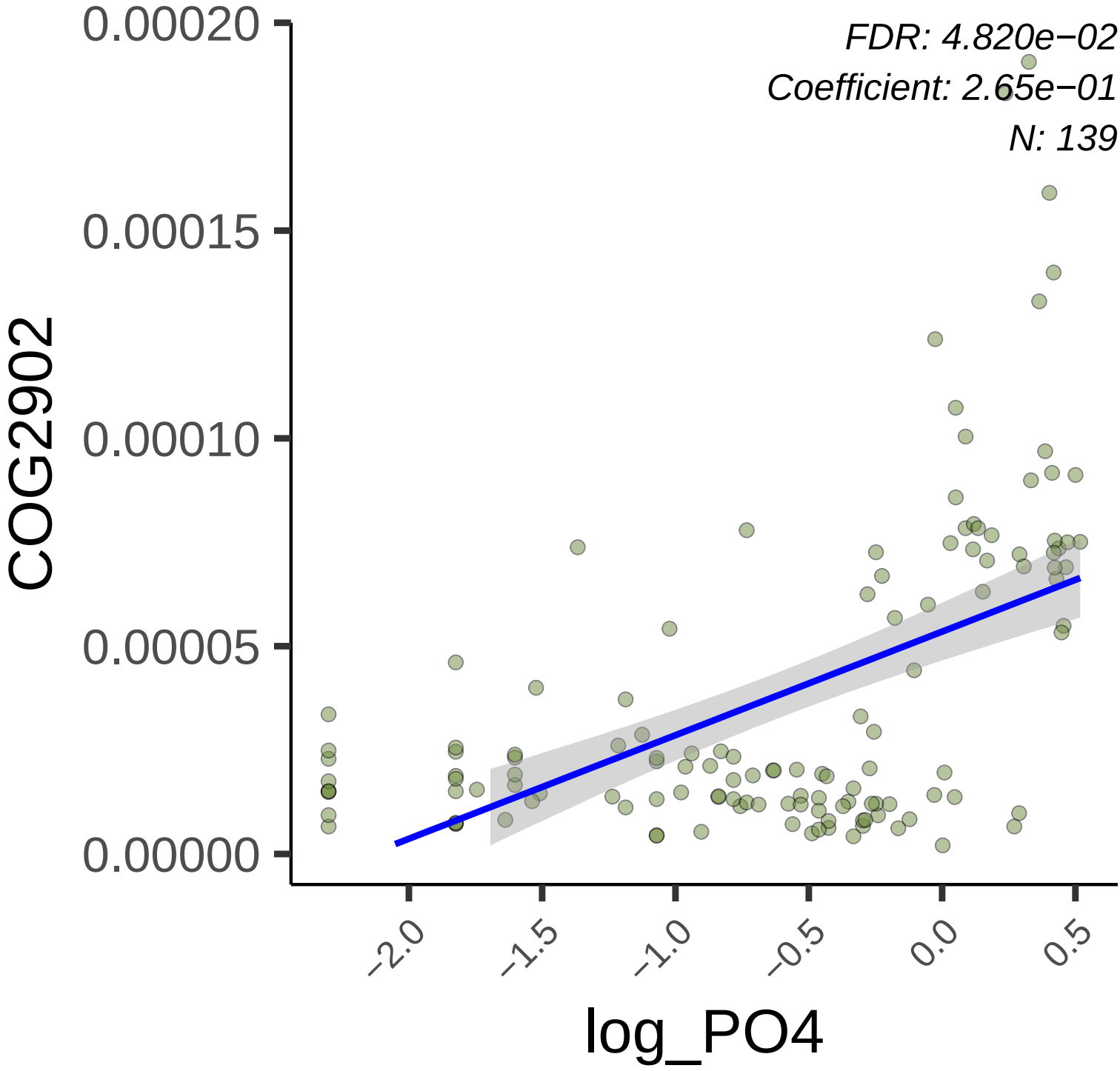
log_PO4


FDR: 4.820e−02
Coefficient: 2.65e−01
N: 139
COG2902
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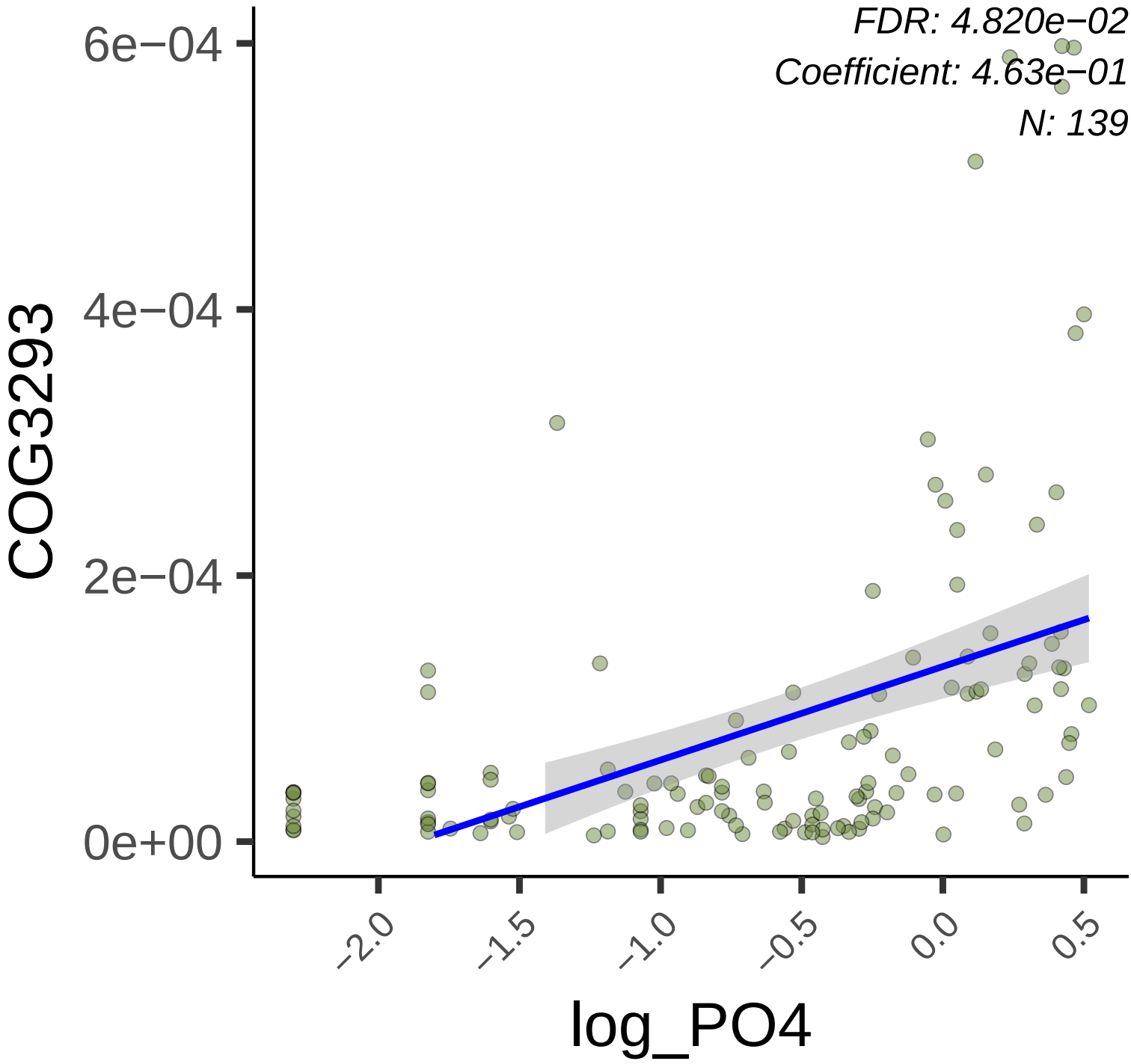
log_PO4


FDR: 4.820e−02
Coefficient: 4.63e−01
N: 139
COG3293
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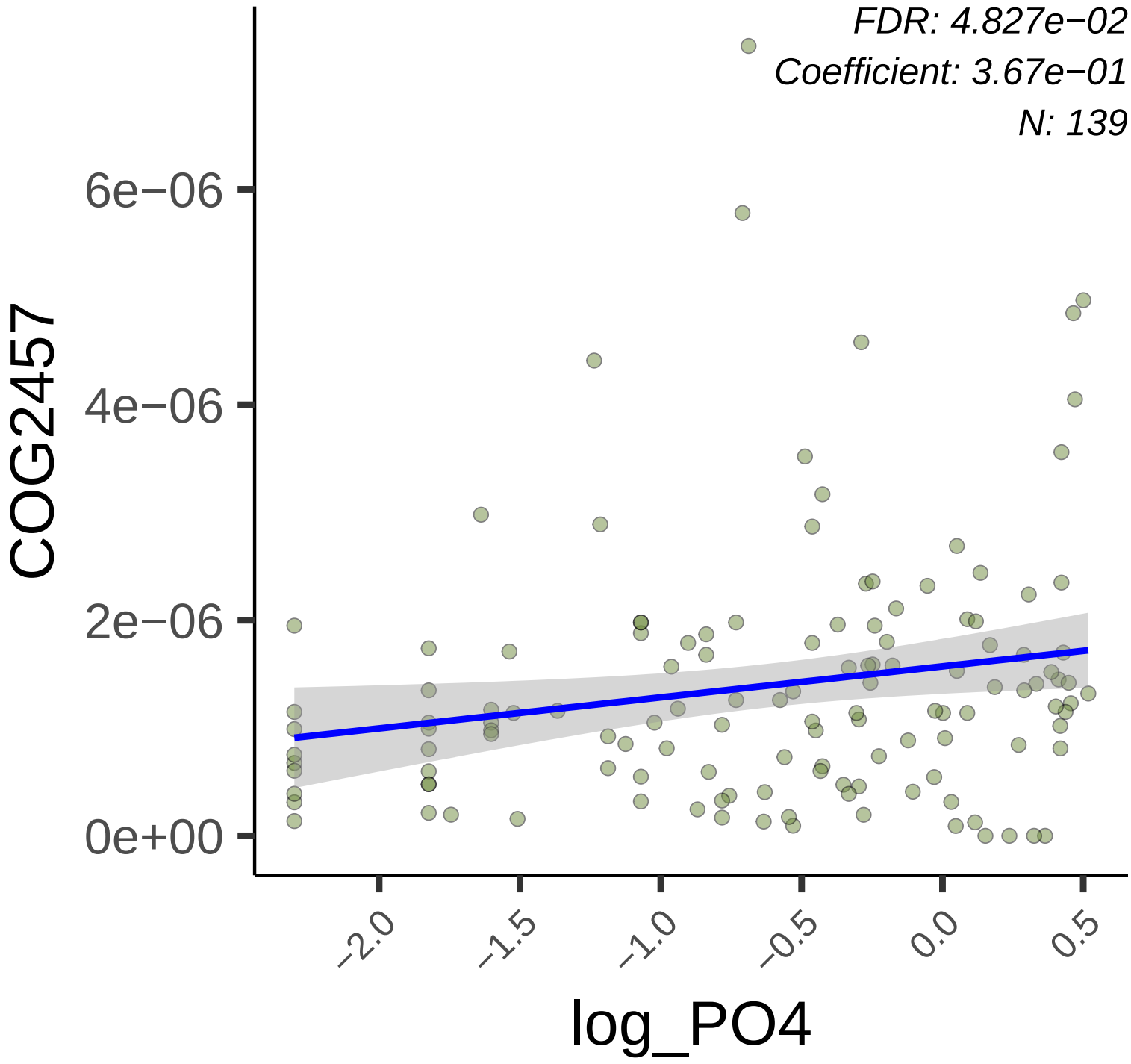
log_PO4


FDR: 4.827e−02
Coefficient: 3.67e−01
N: 139
COG2457
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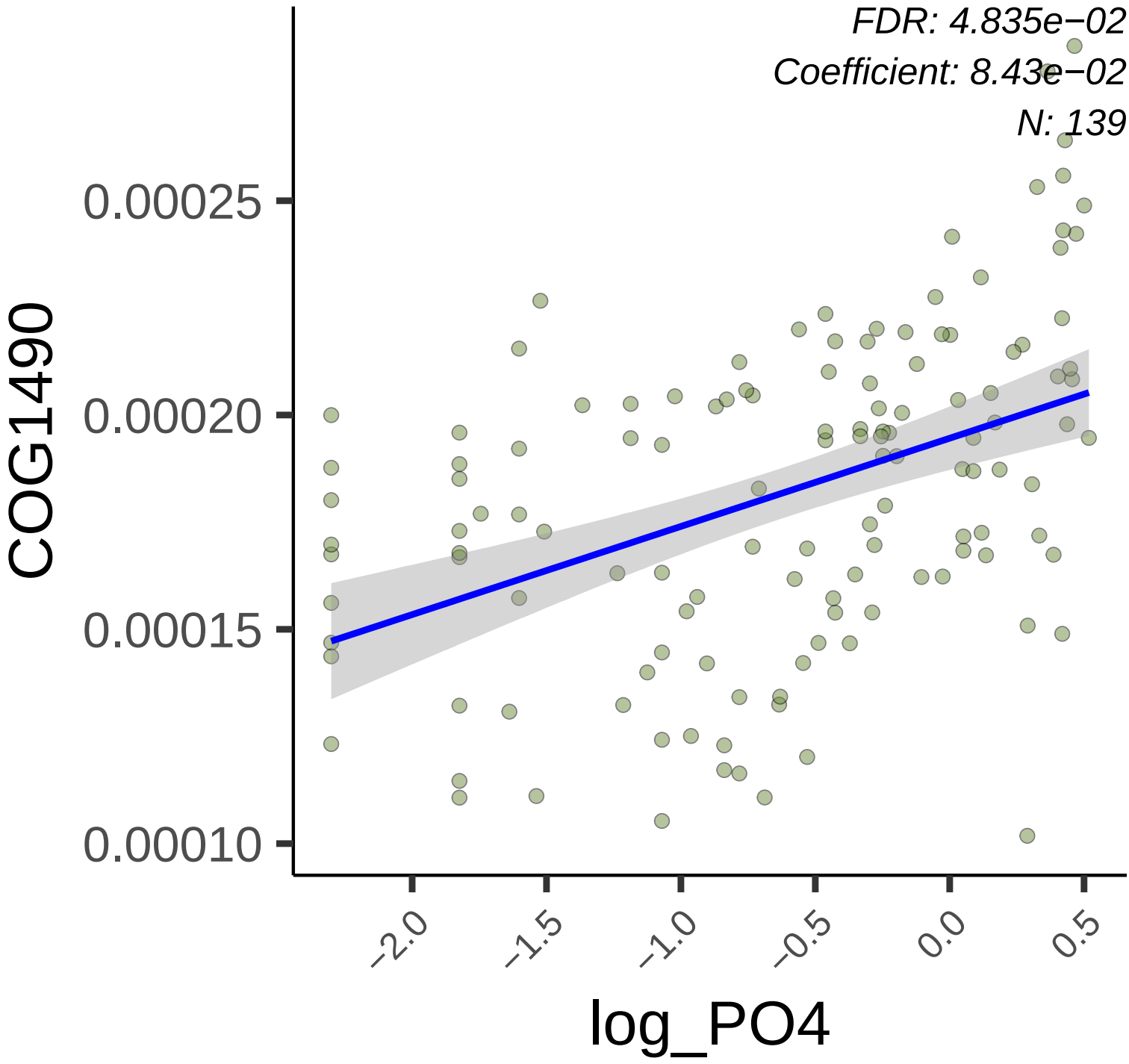
log_PO4


FDR: 4.835e−02
Coefficient: 8.43e−02
N: 139
COG1490
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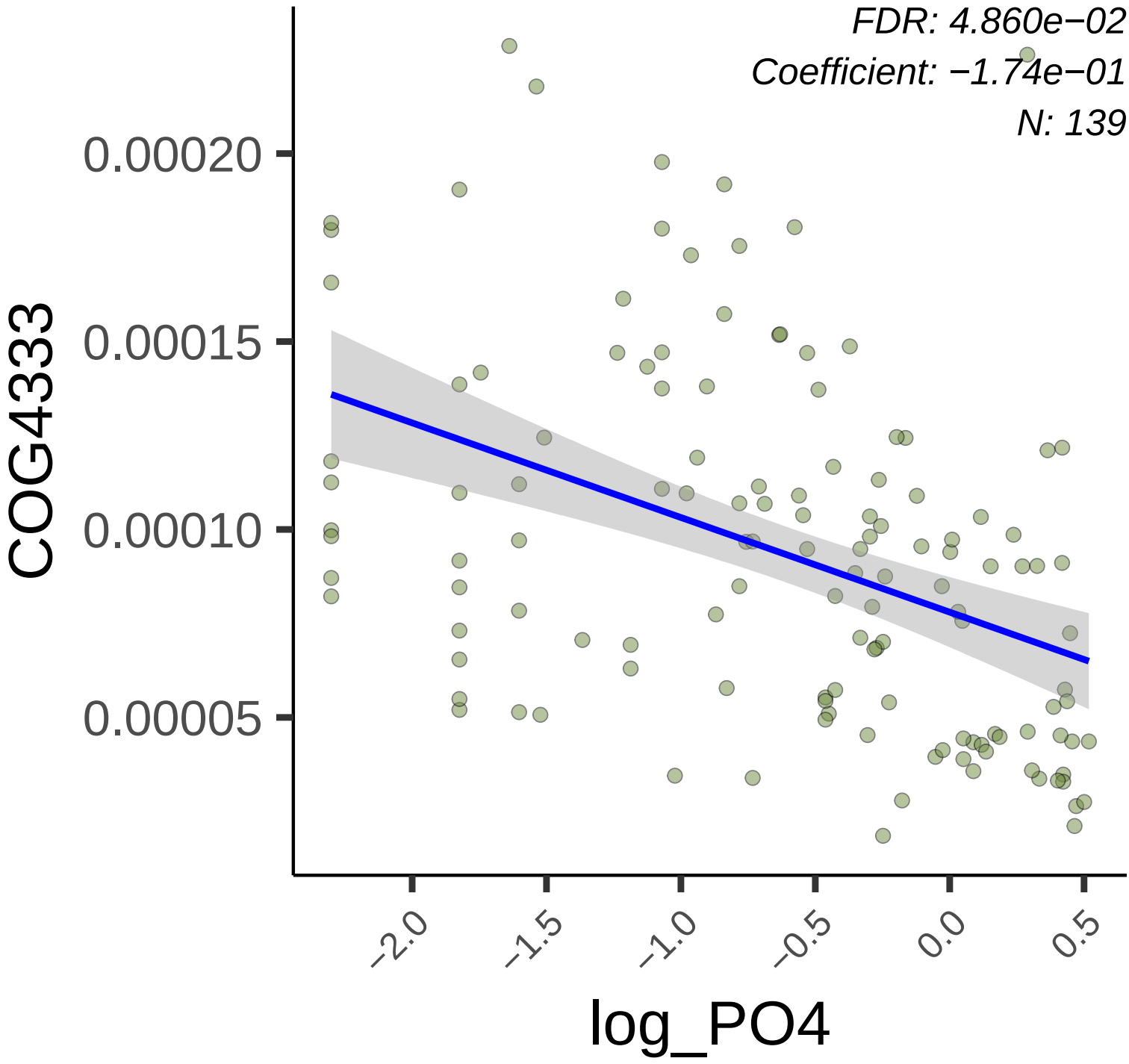
log_PO4


FDR: 4.860e−02
Coefficient: −1.74e−01
N: 139
COG4333
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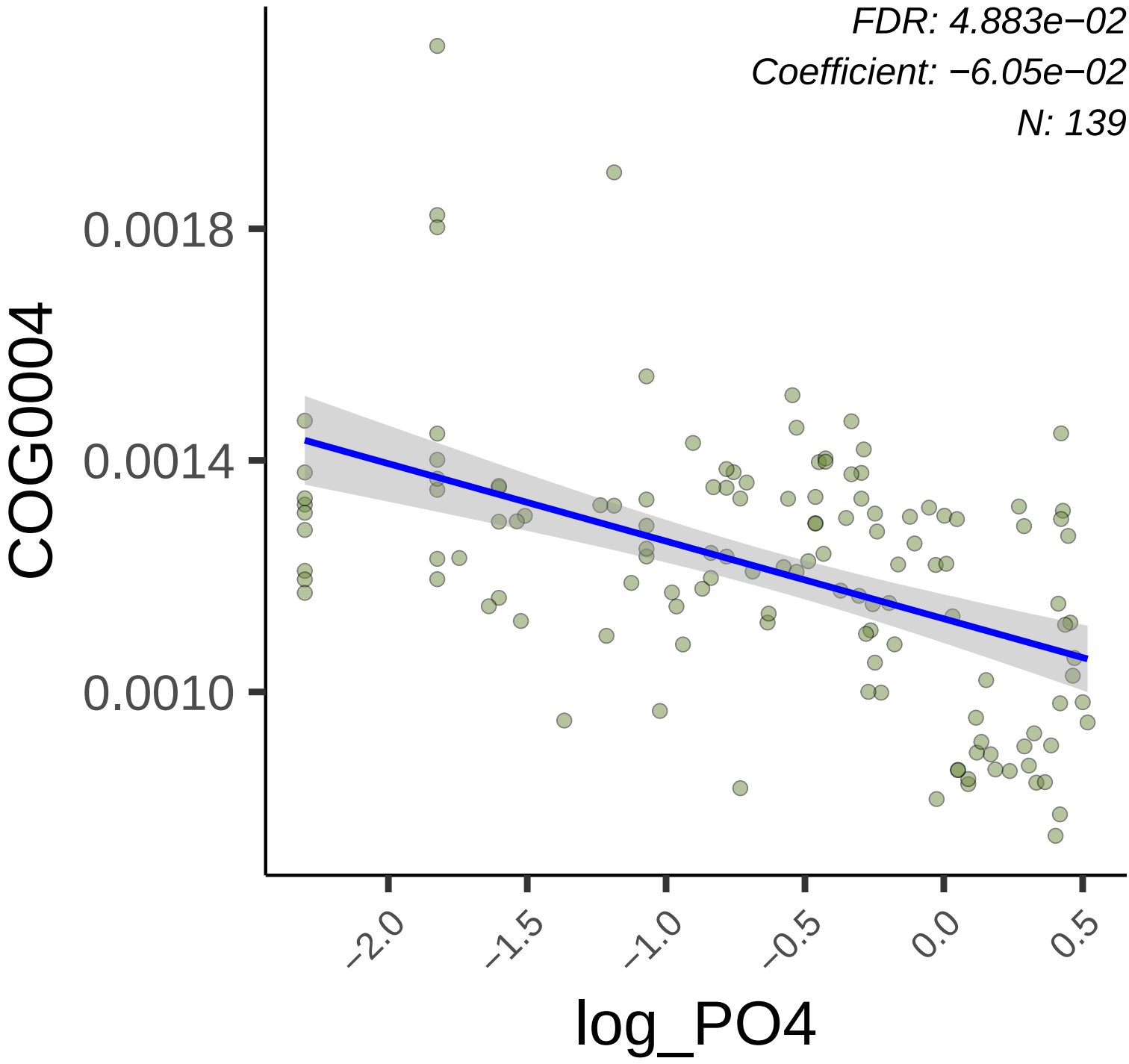
log_PO4


FDR: 4.883e−02
Coefficient: −6.05e−02
N: 139
COG0004
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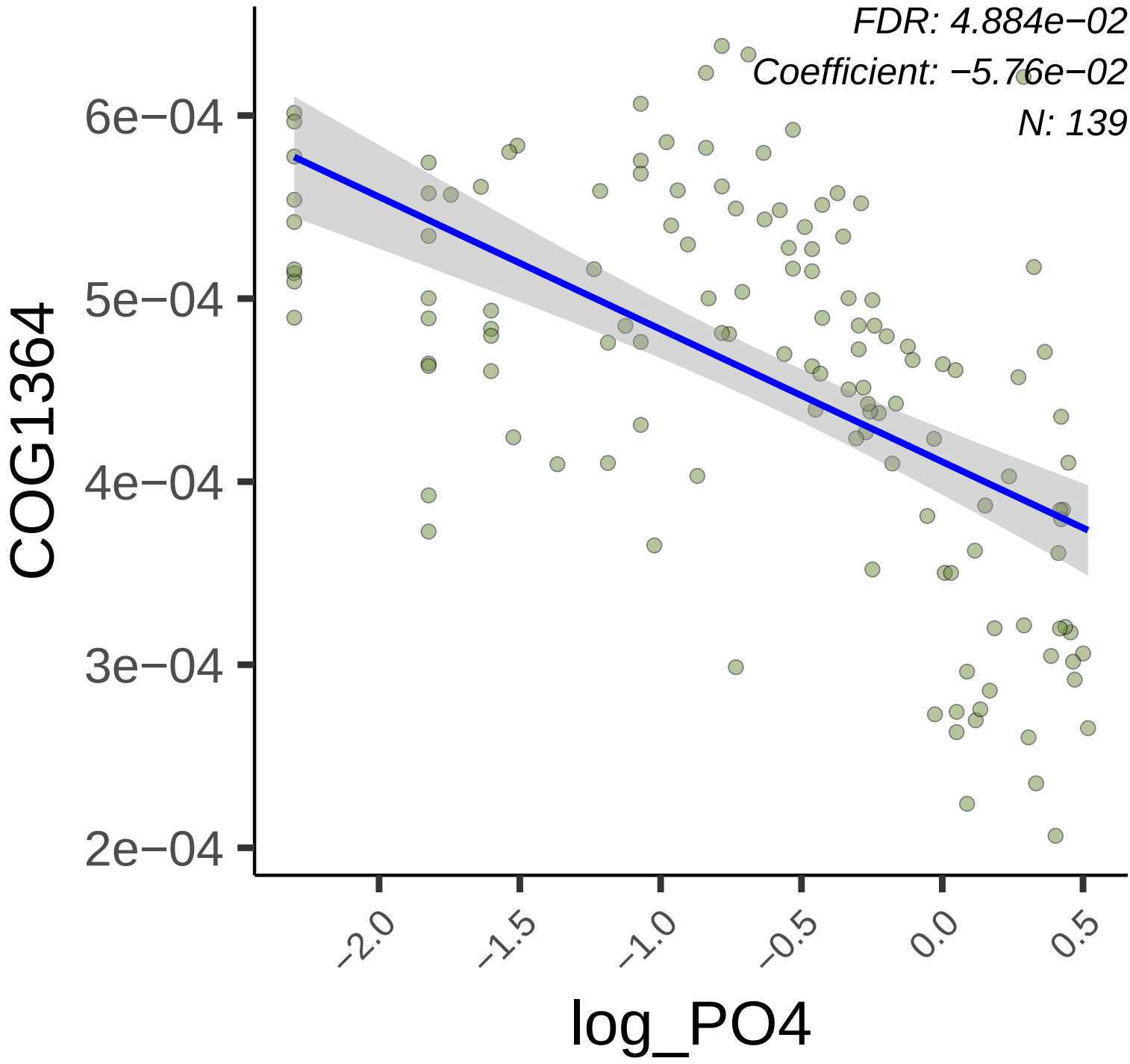
log_PO4


FDR: 4.884e−02
Coefficient: −5.76e−02
N: 139
COG1364
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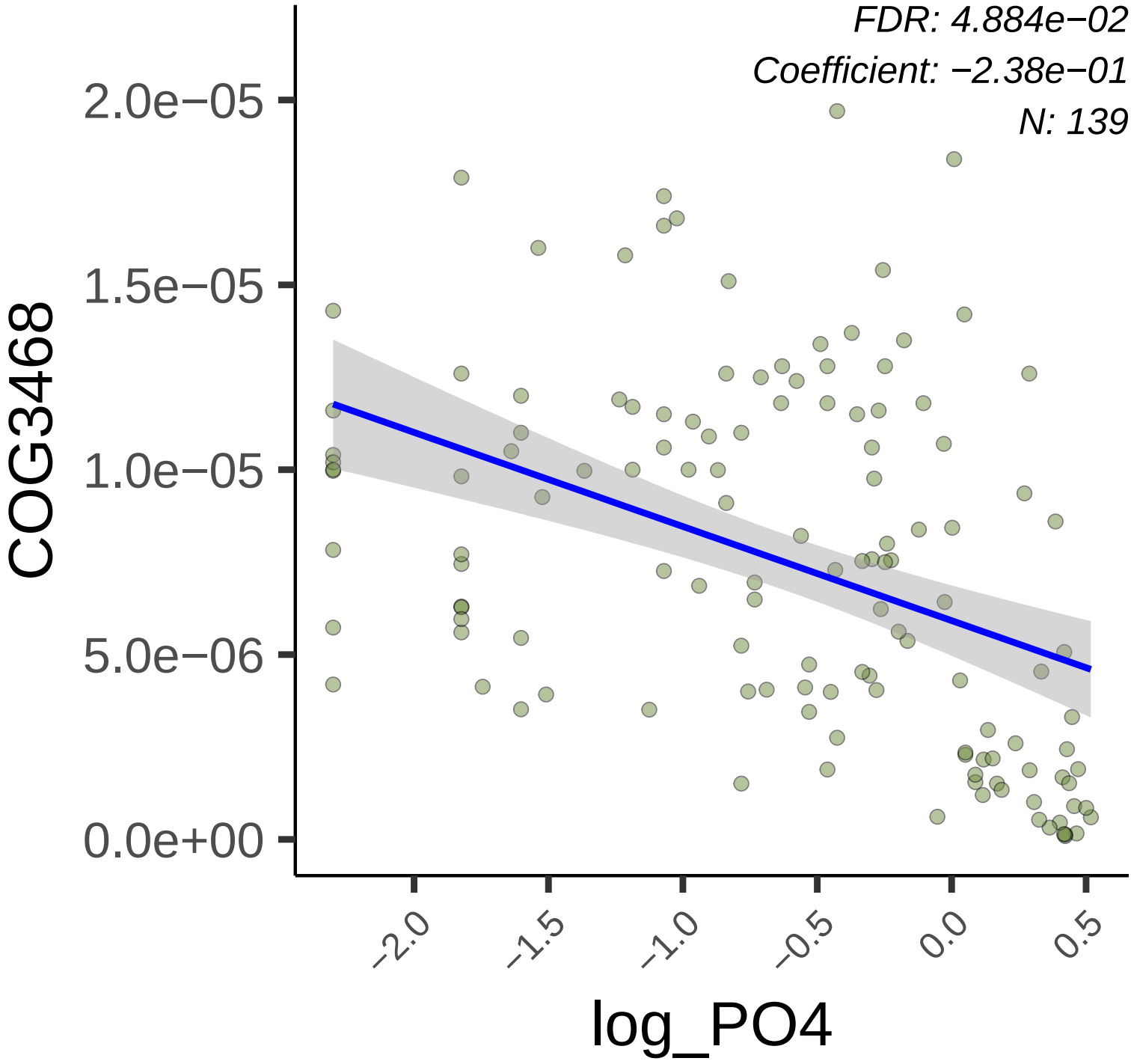
log_PO4


FDR: 4.884e−02
Coefficient: −2.38e−01
N: 139
COG3468
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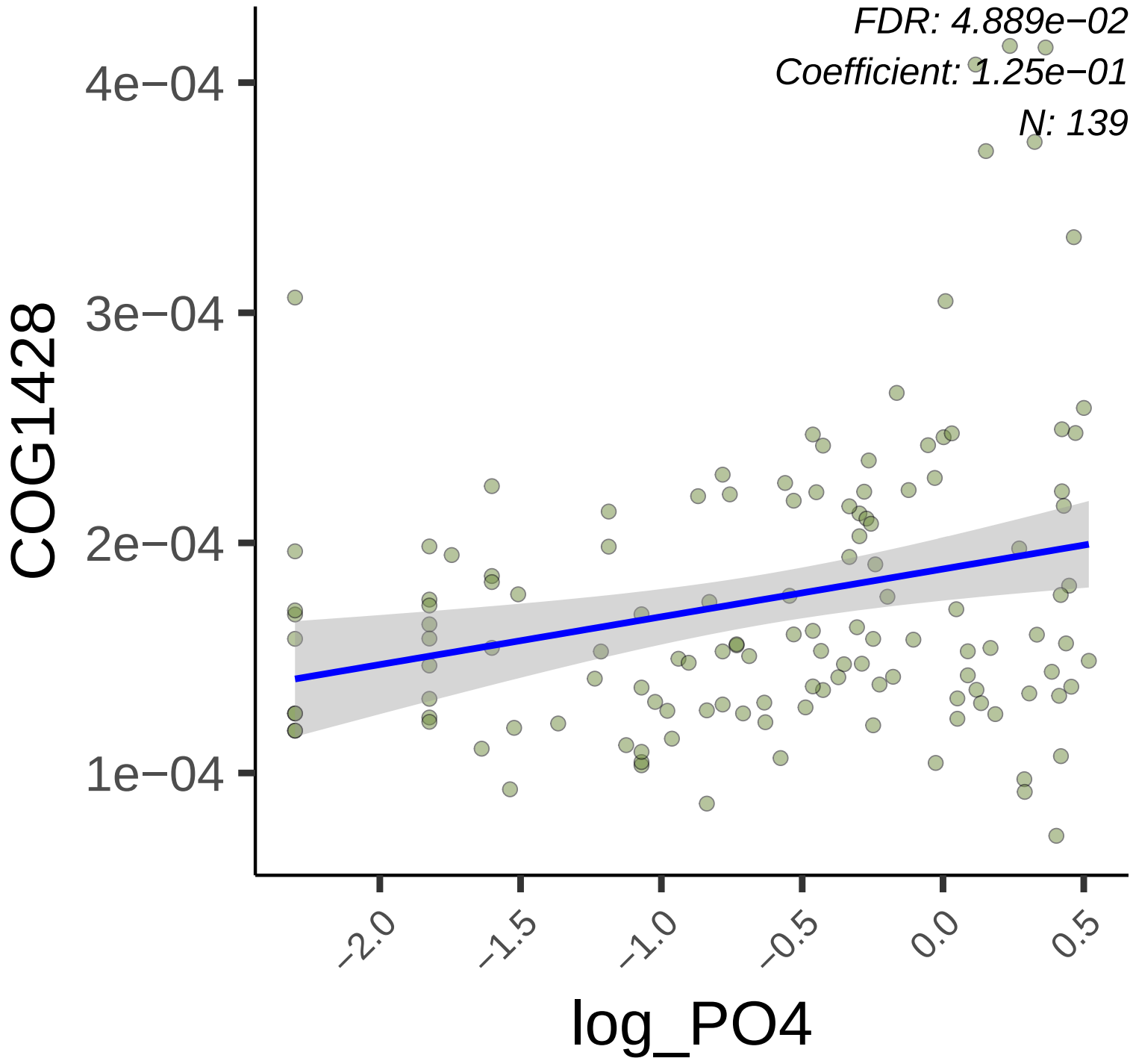
log_PO4


FDR: 4.889e−02
Coefficient: 1.25e−01
N: 139
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COG1428
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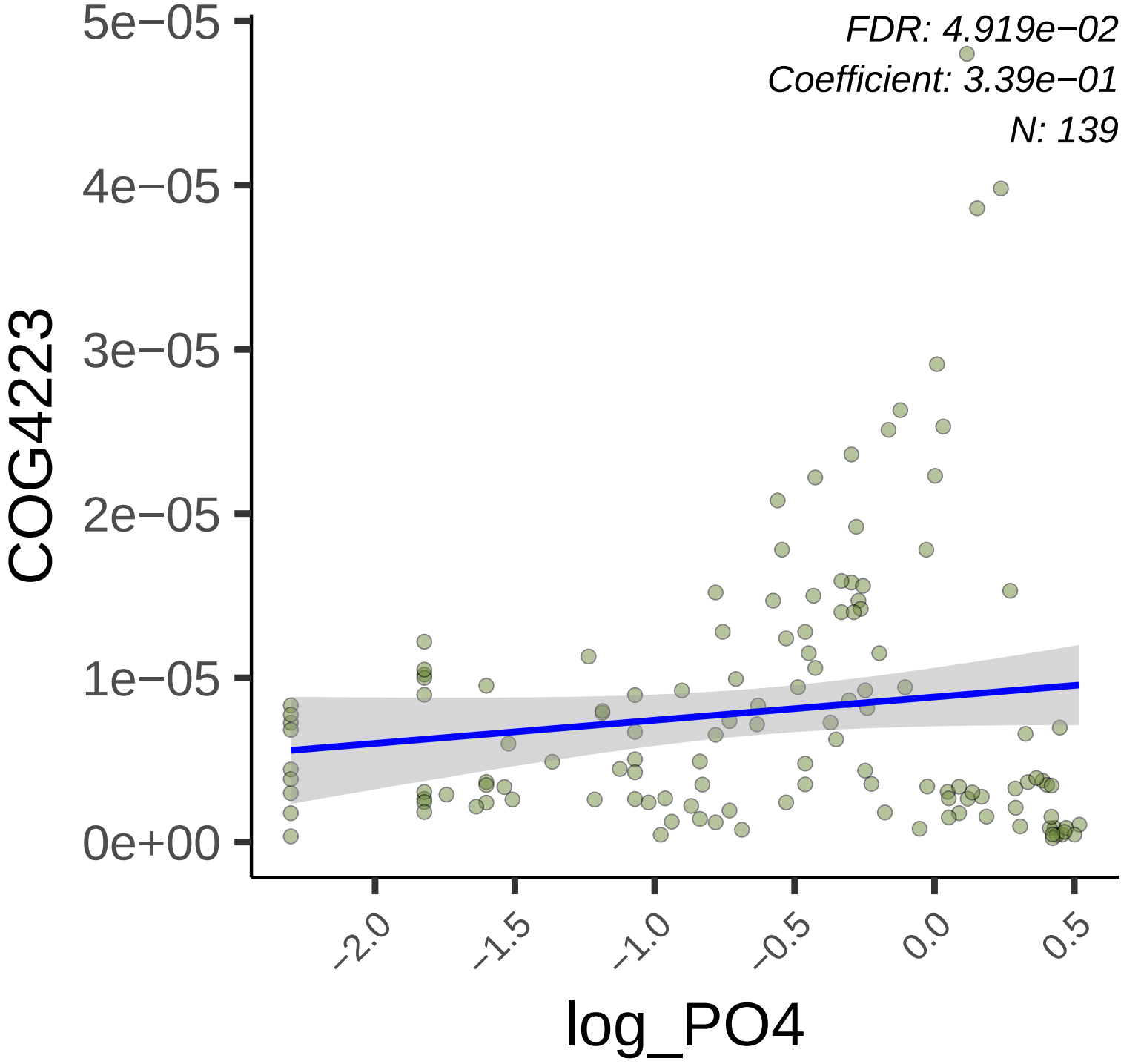
log_PO4


FDR: 4.919e−02
Coefficient: 3.39e−01
N: 139
COG4223
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3e−05
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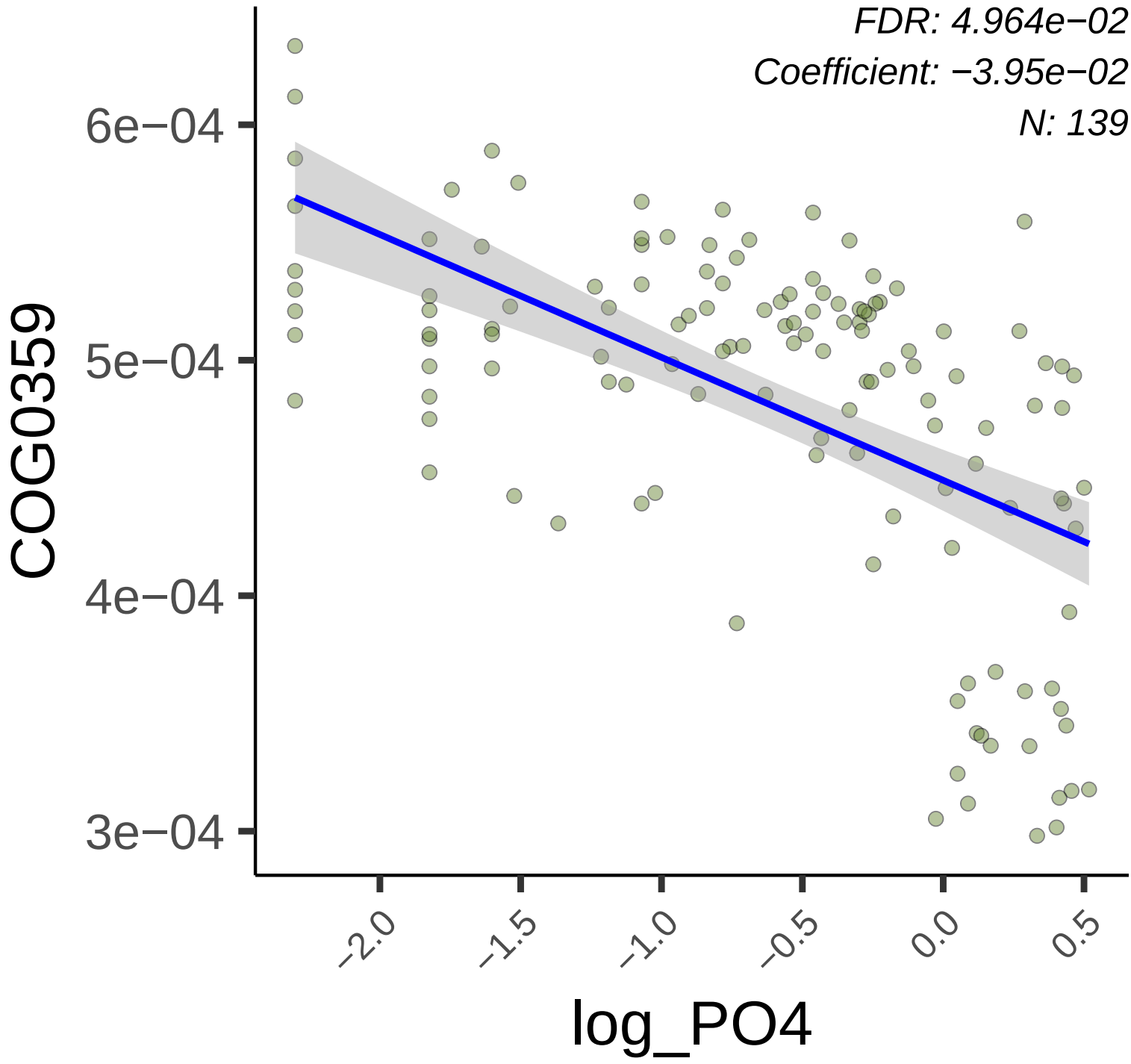
log_PO4


FDR: 4.964e−02
Coefficient: −3.95e−02
N: 139
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COG0359
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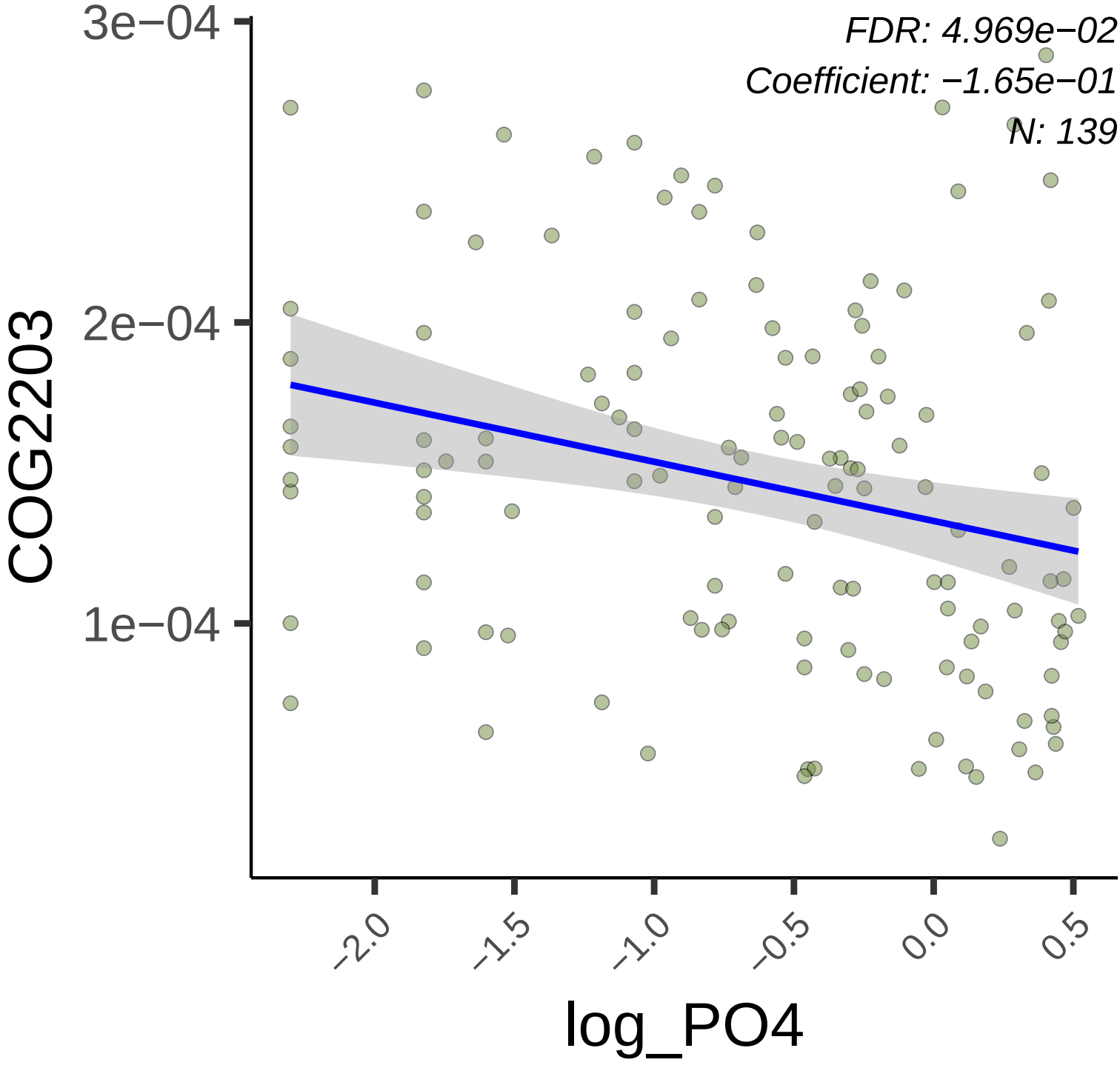
log_PO4


FDR: 4.969e−02
Coefficient: −1.65e−01
N: 139
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COG2203
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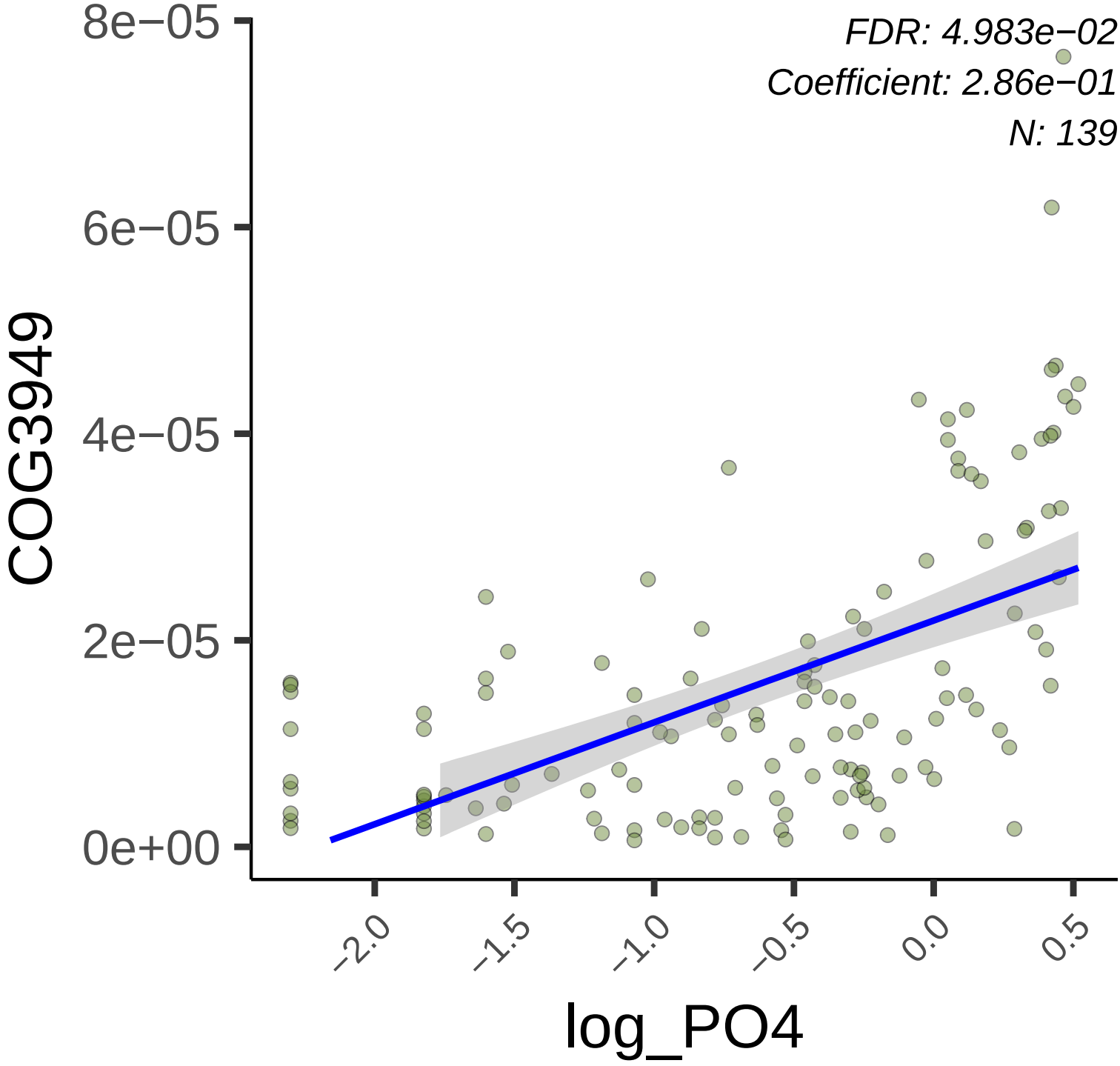
log_PO4


FDR: 4.983e−02
Coefficient: 2.86e−01
N: 139
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6e−05
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COG3949
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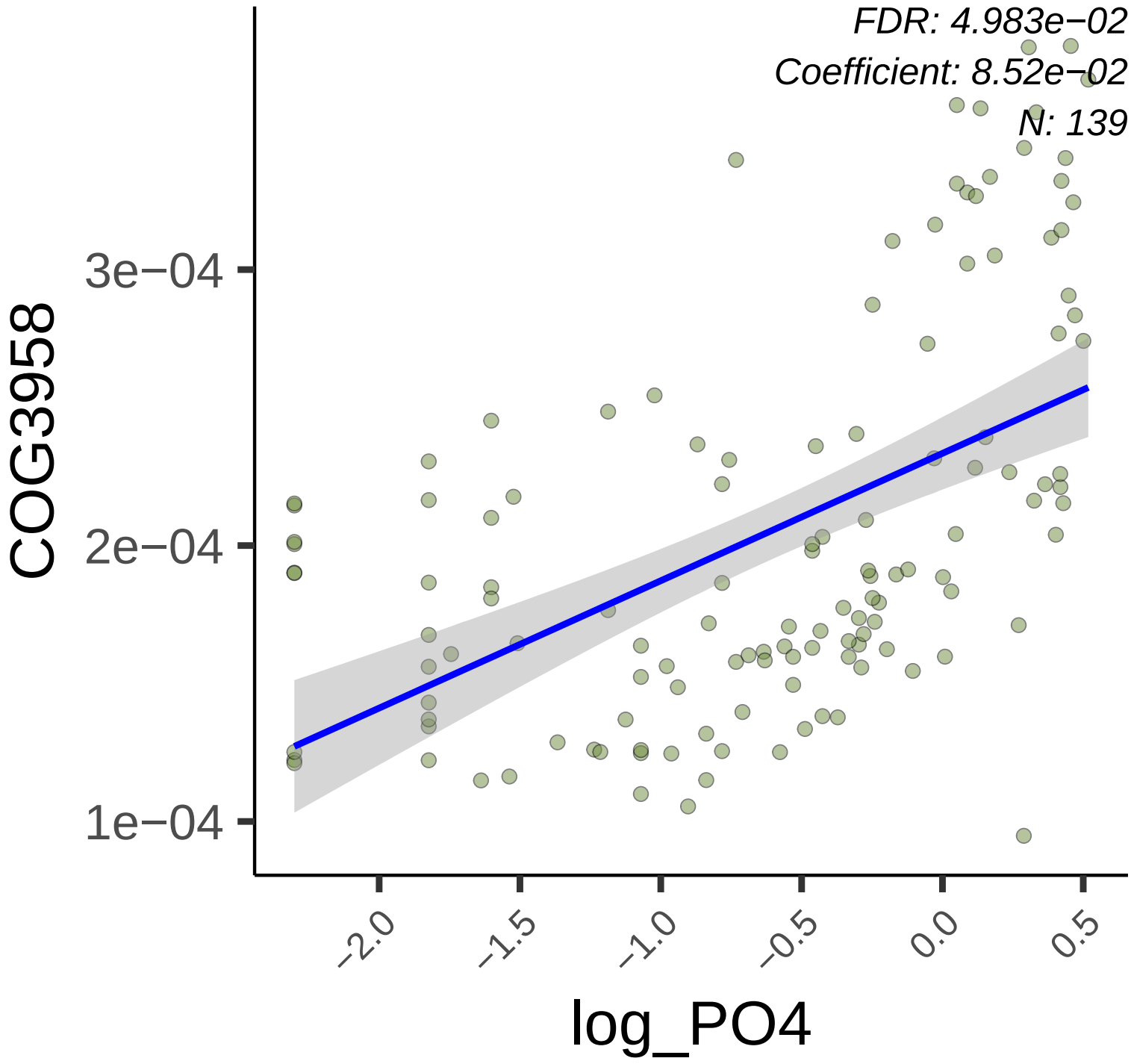
log_PO4


FDR: 4.983e−02
Coefficient: 8.52e−02
N: 139
COG3958
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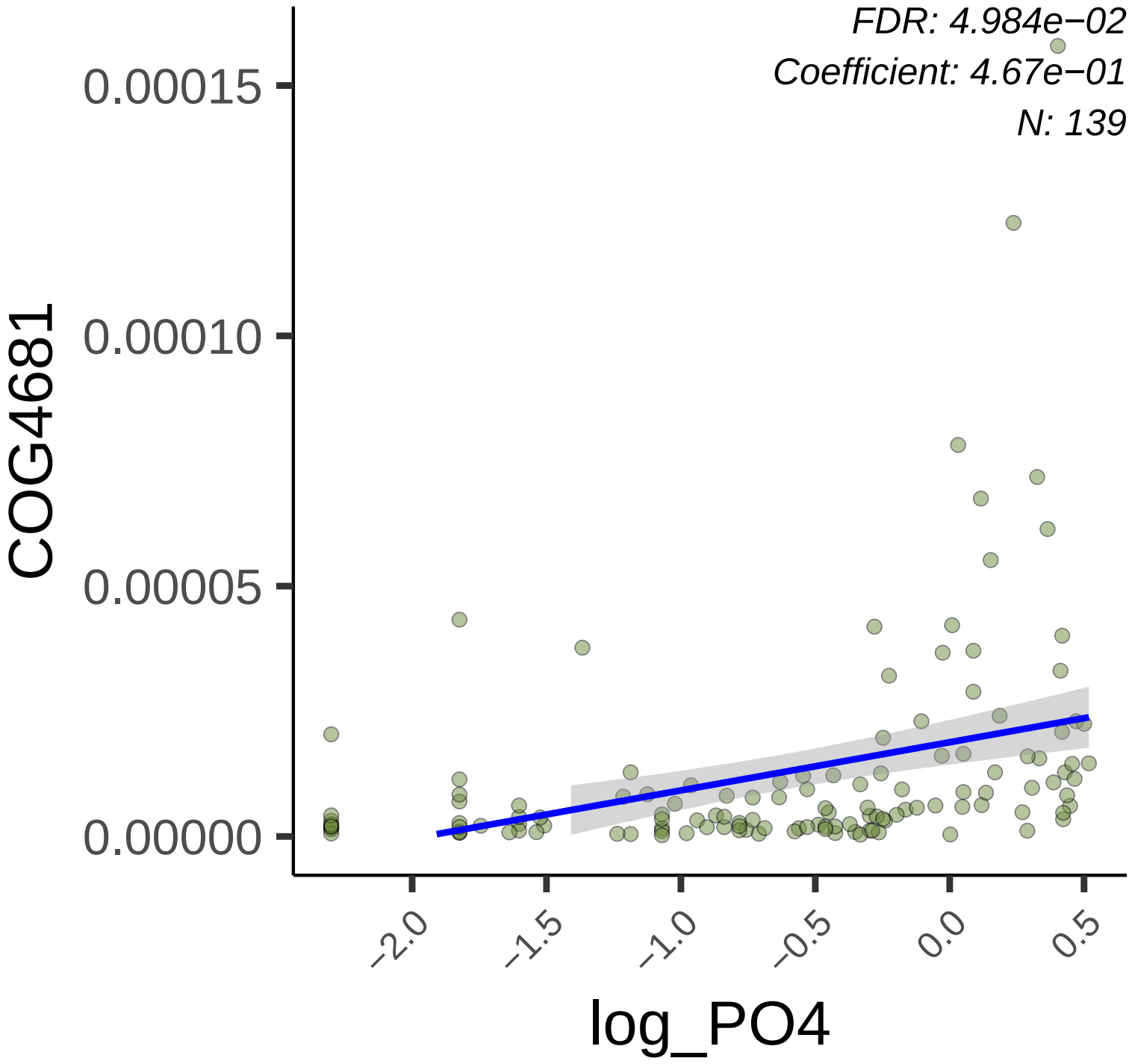
log_PO4


FDR: 4.984e−02
Coefficient: 4.67e−01
N: 139
COG4681
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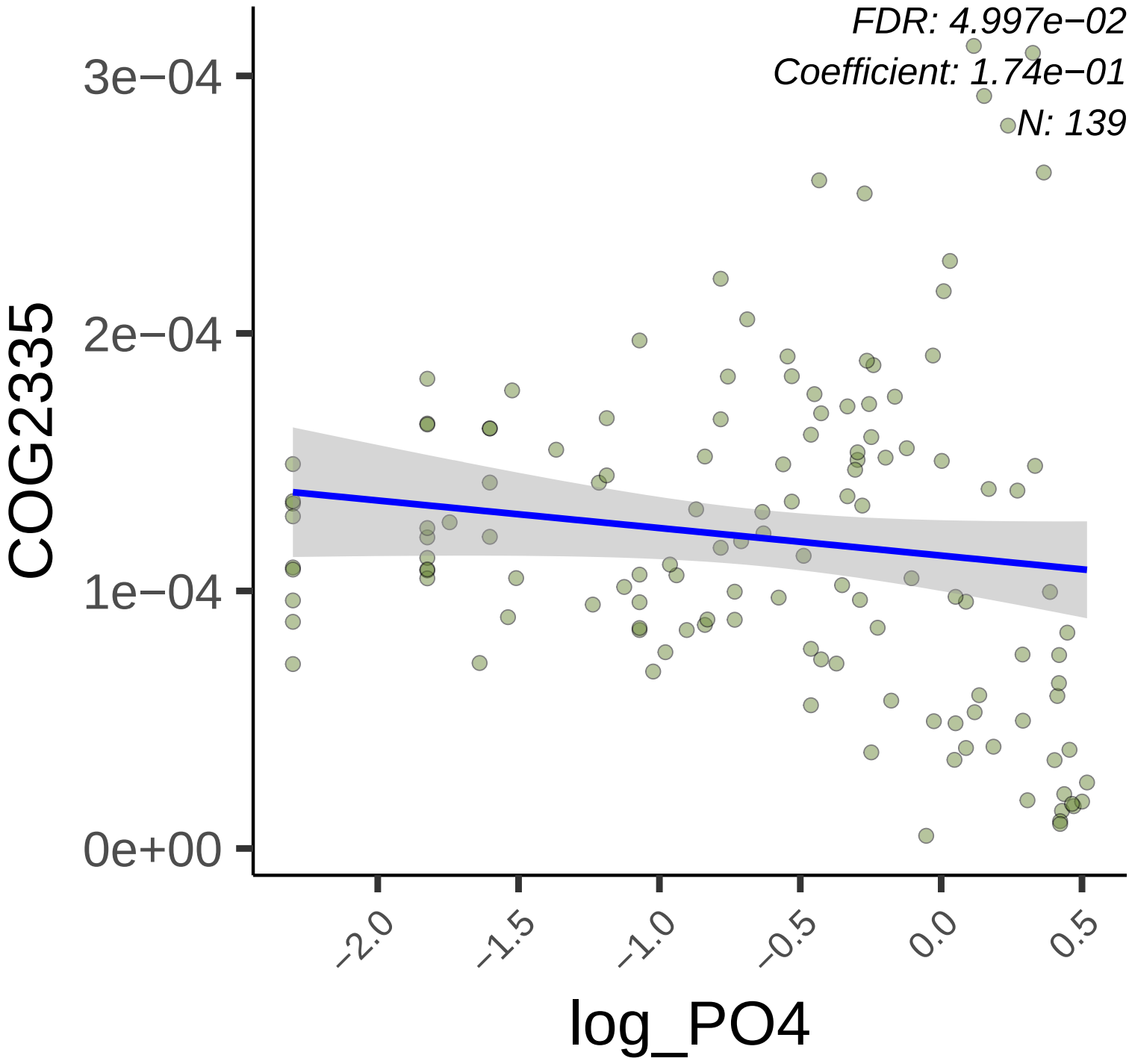
log_PO4


FDR: 4.997e−02
Coefficient: 1.74e−01
N: 139
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0e+00
COG2335
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log_PO4