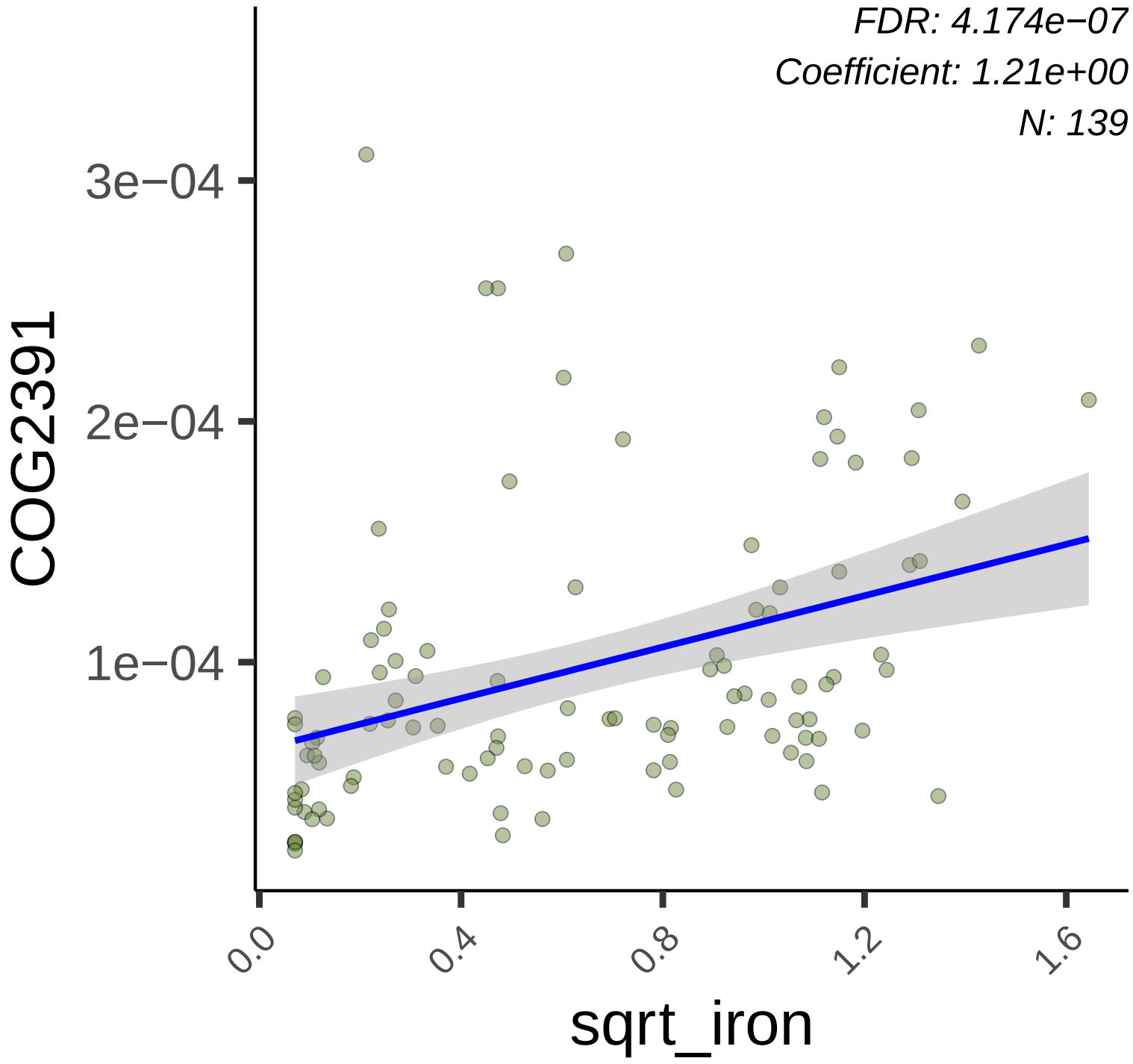
FDR: 4.174e−07
Coefficient: 1.21e+00
N: 139
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COG2391
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0.4
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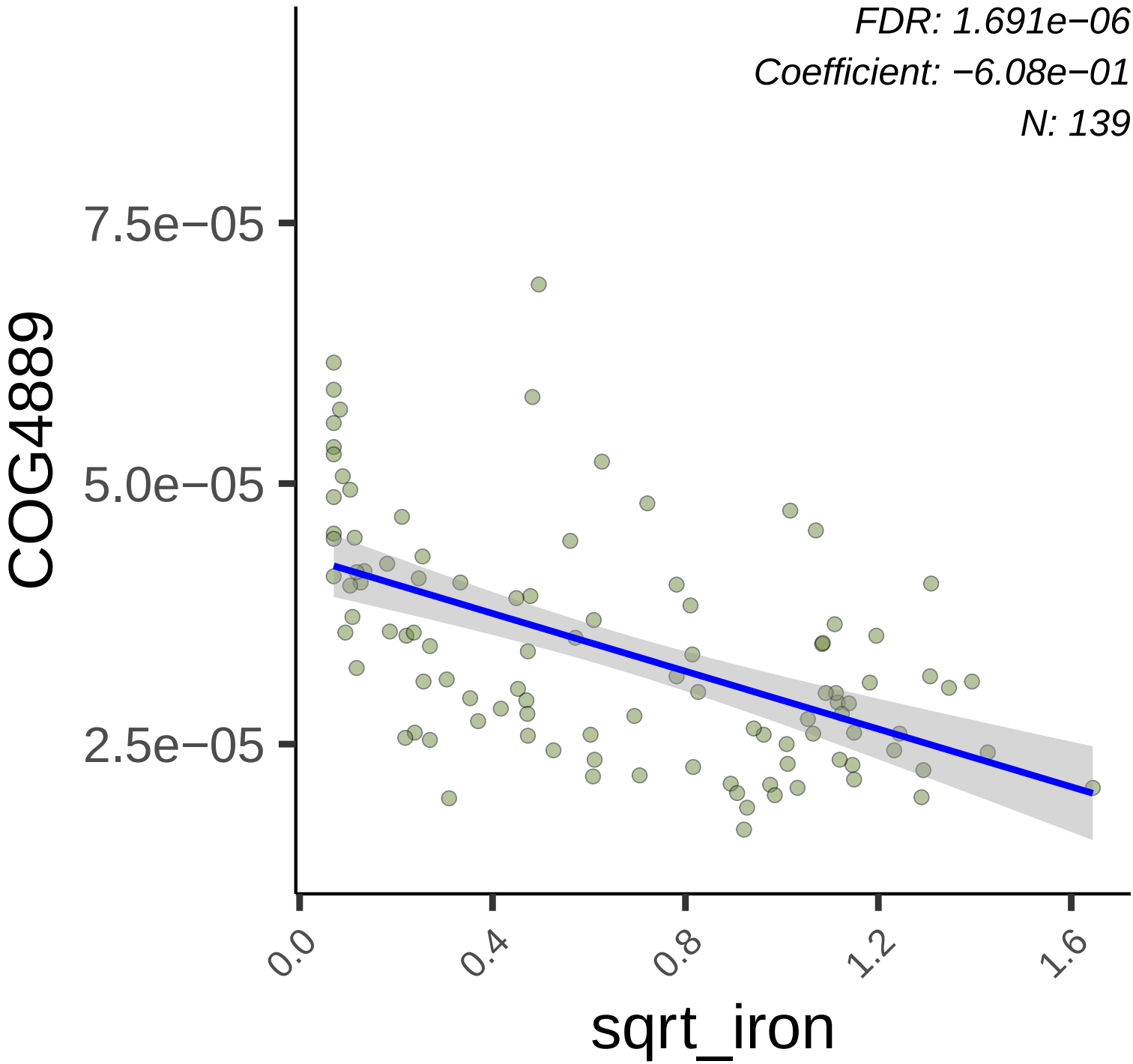
1.6
sqrt_iron


FDR: 1.691e−06
Coefficient: −6.08e−01
N: 139
7.5e−05
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COG4889
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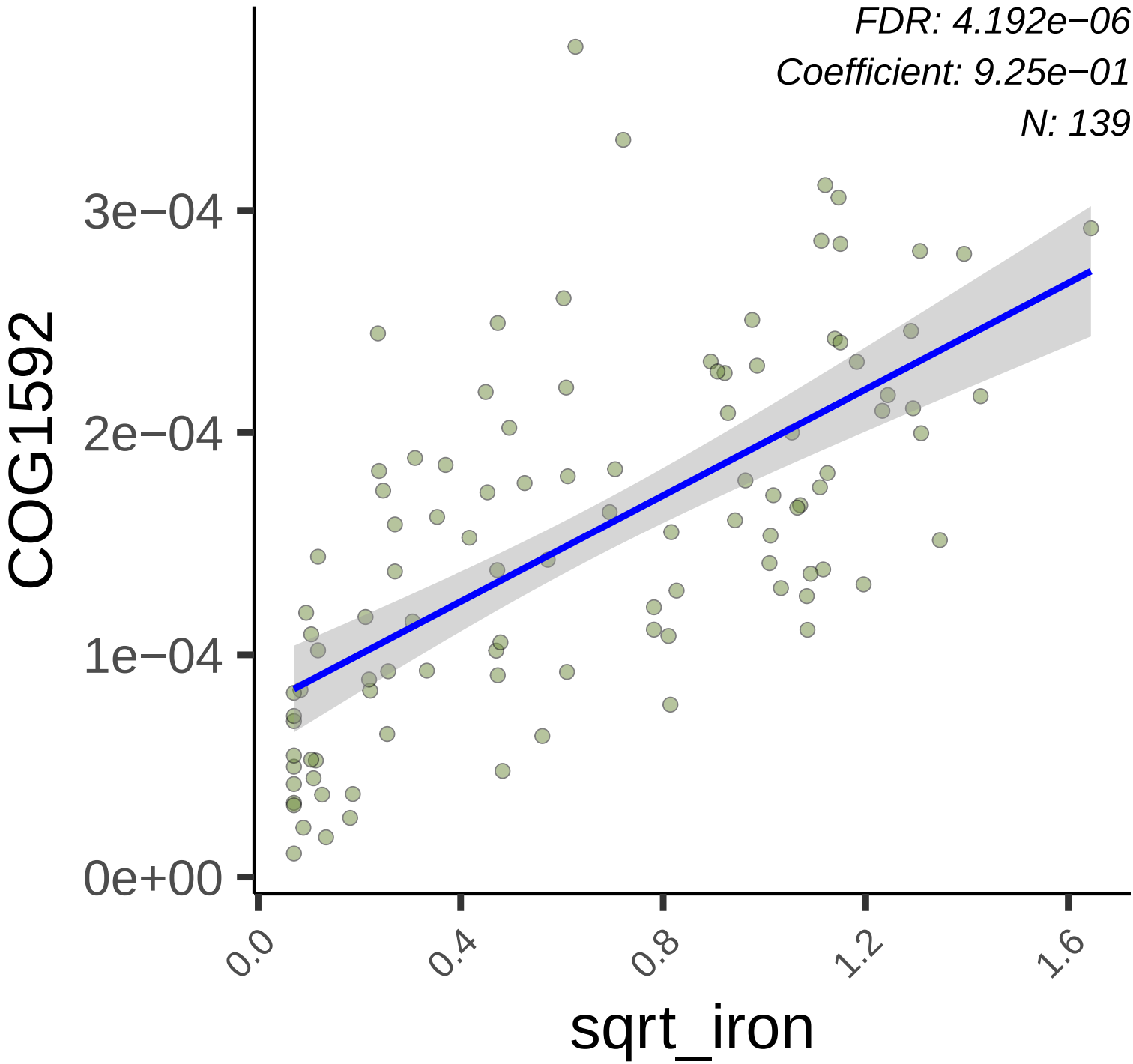
1.6
sqrt_iron


FDR: 4.192e−06
Coefficient: 9.25e−01
N: 139
COG1592
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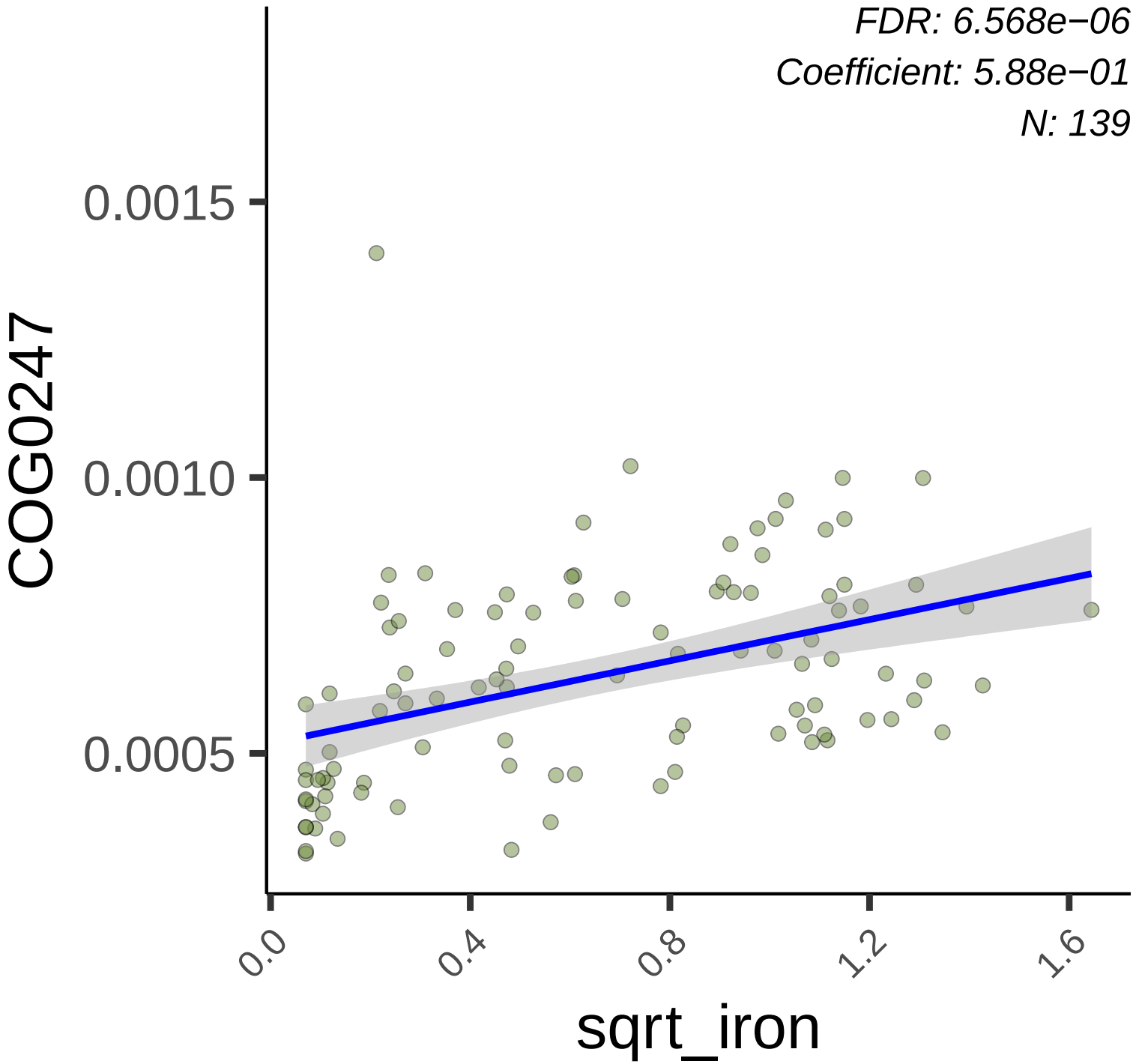
sqrt_iron


FDR: 6.568e−06
Coefficient: 5.88e−01
N: 139
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COG0247
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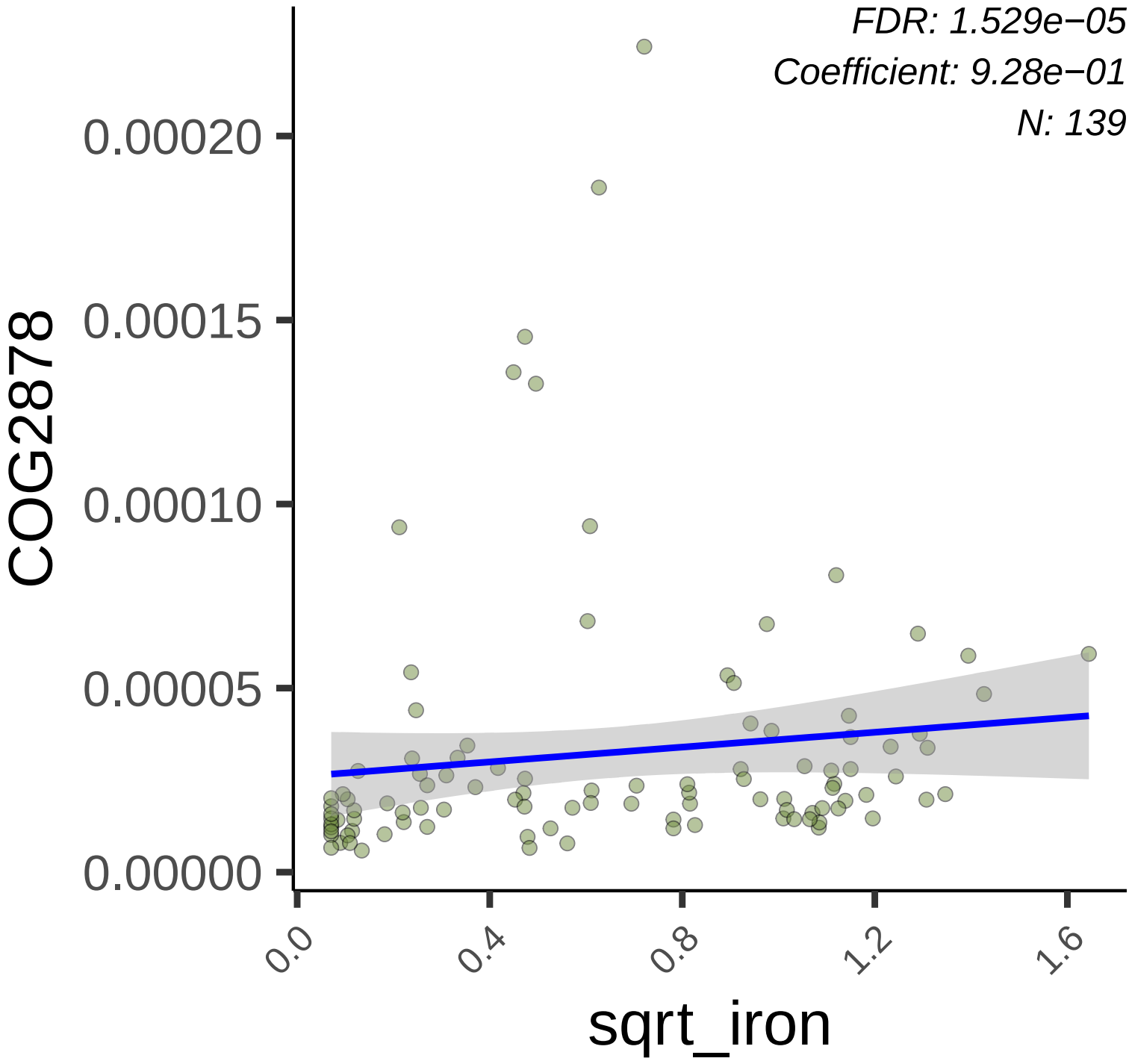
sqrt_iron


FDR: 1.529e−05
Coefficient: 9.28e−01
N: 139
COG2878
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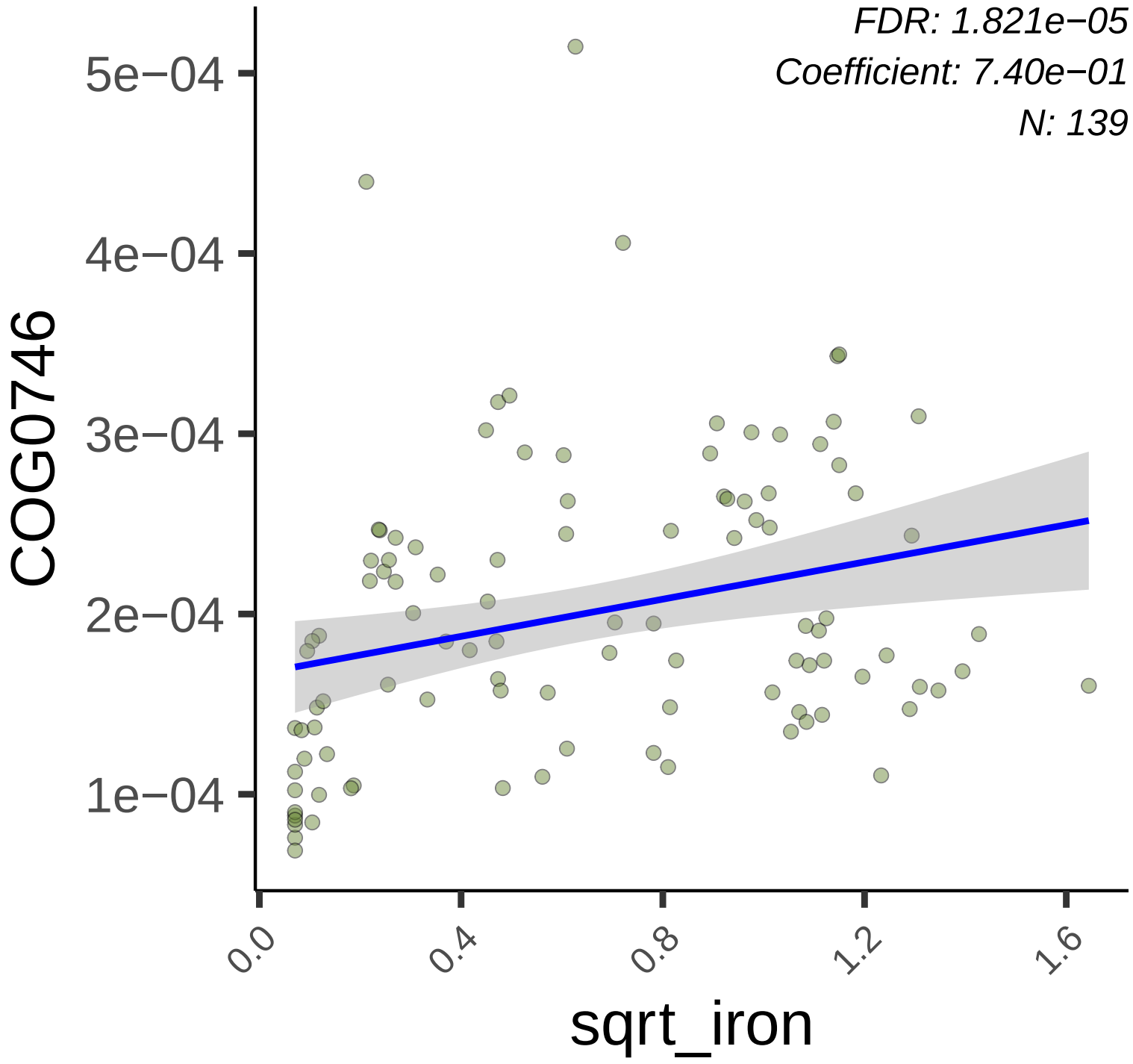
sqrt_iron


FDR: 1.821e−05
Coefficient: 7.40e−01
N: 139
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COG0746
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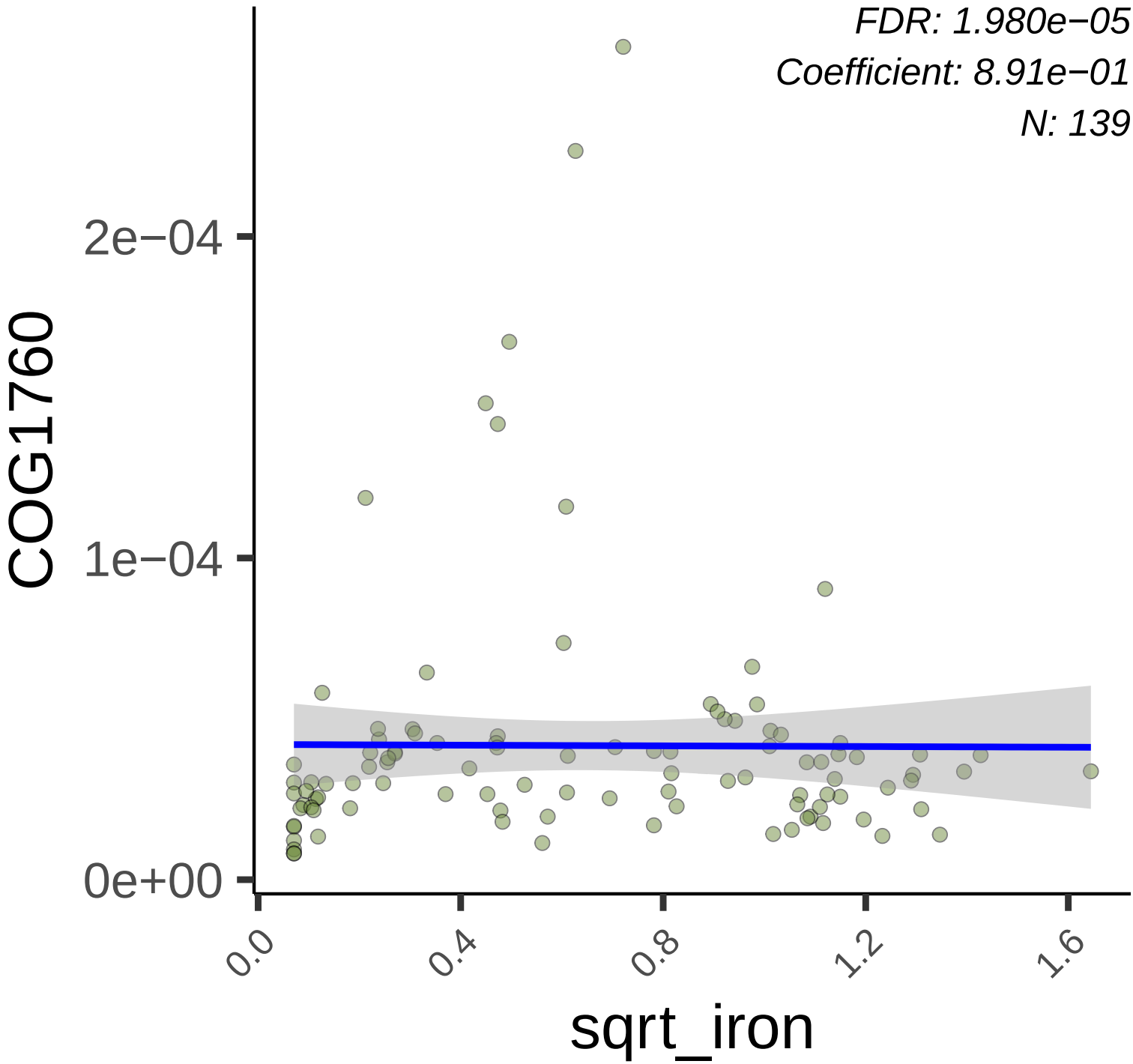
sqrt_iron


FDR: 1.980e−05
Coefficient: 8.91e−01
N: 139
COG1760
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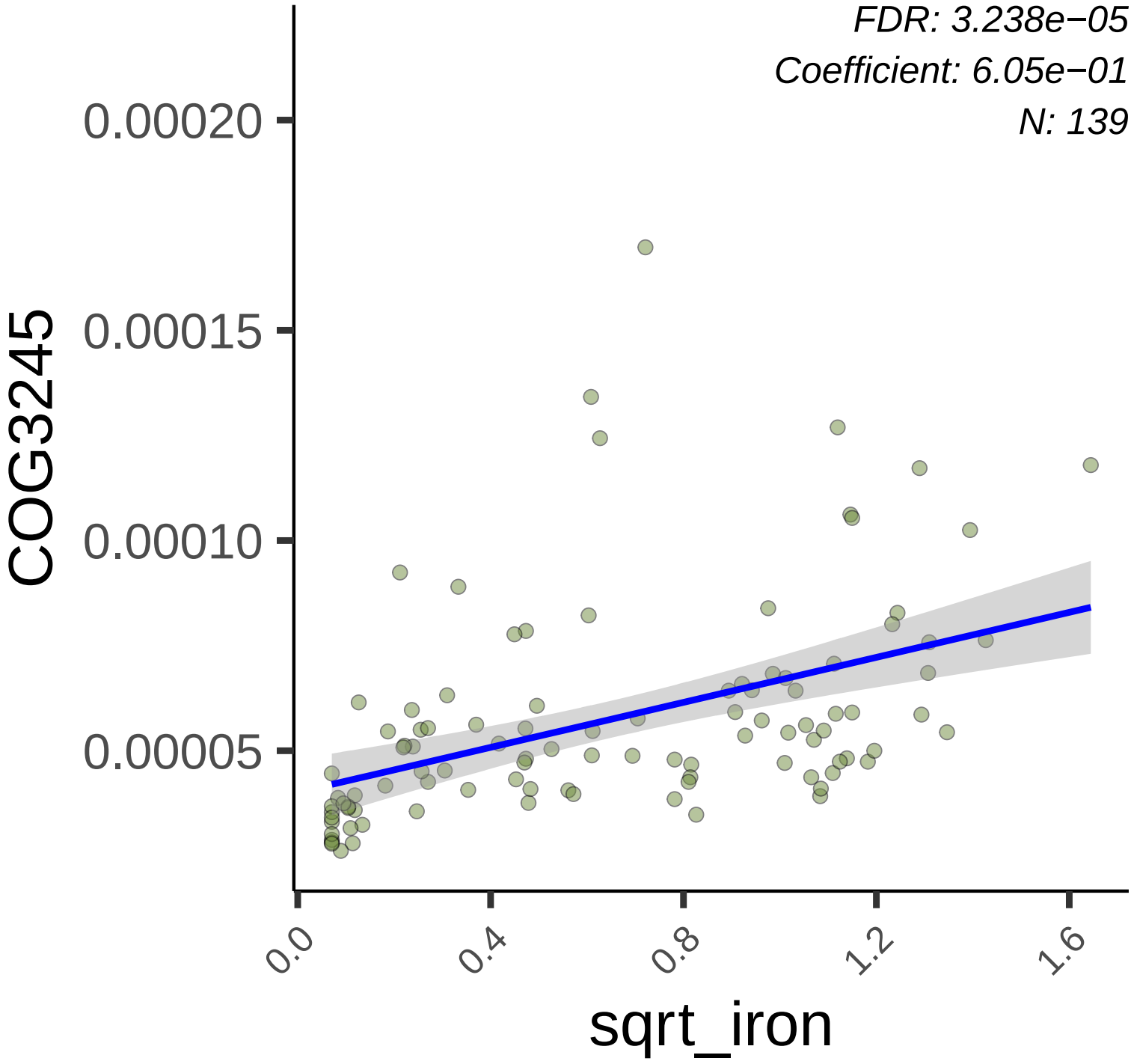
1.6
sqrt_iron


FDR: 3.238e−05
Coefficient: 6.05e−01
N: 139
COG3245
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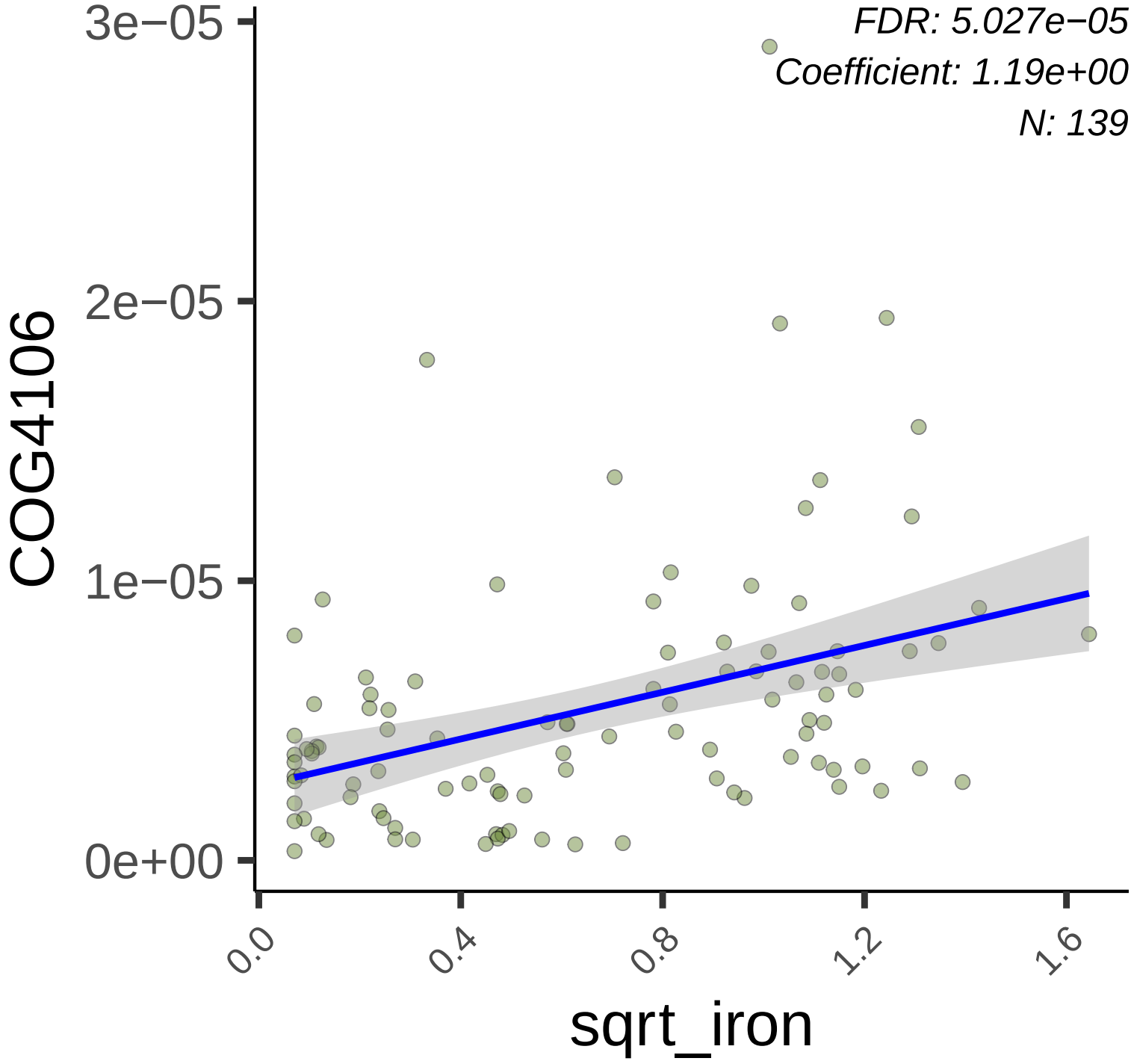
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.027e−05
Coefficient: 1.19e+00
N: 139
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0e+00
COG4106
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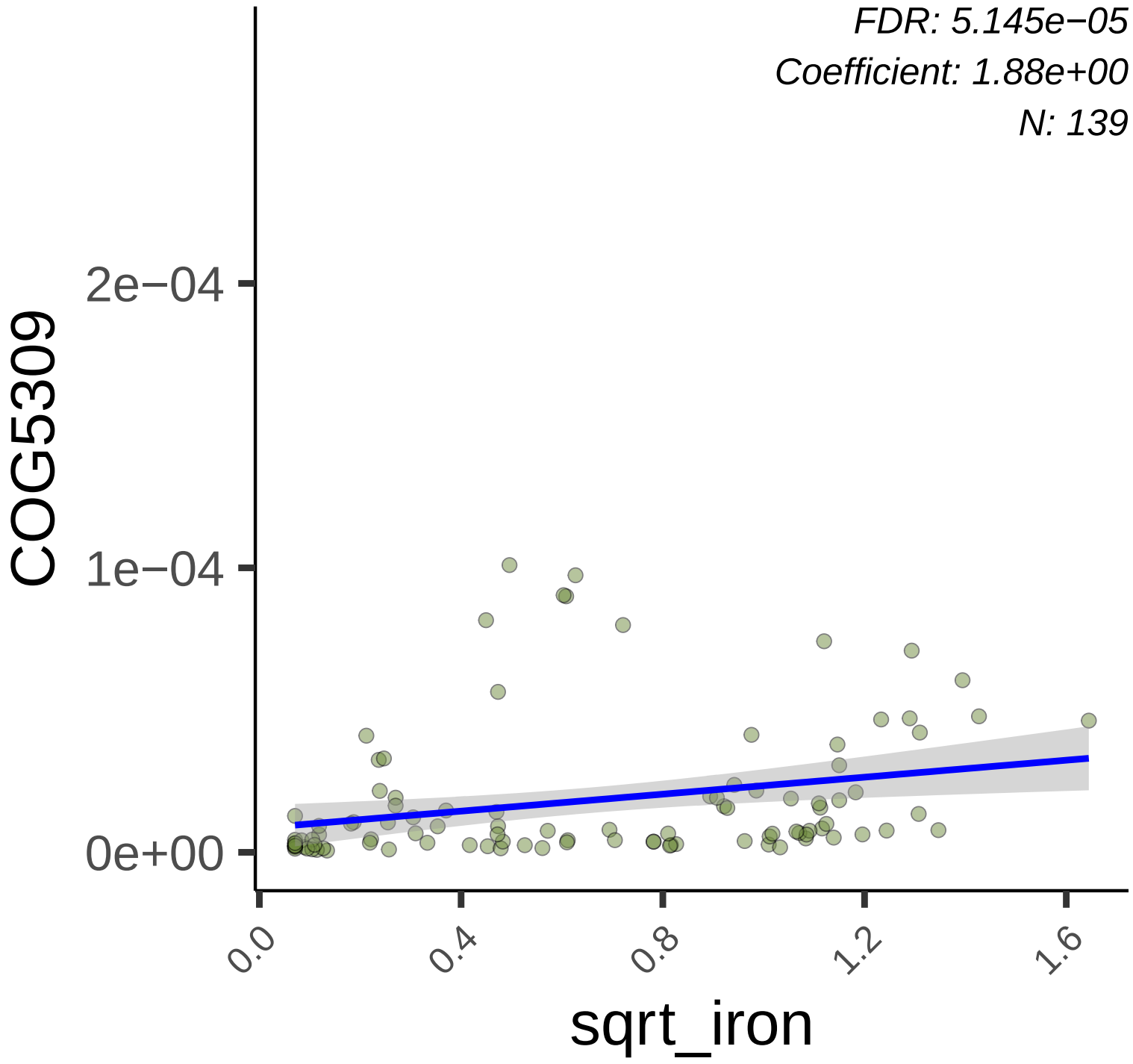
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.145e−05
Coefficient: 1.88e+00
N: 139
COG5309
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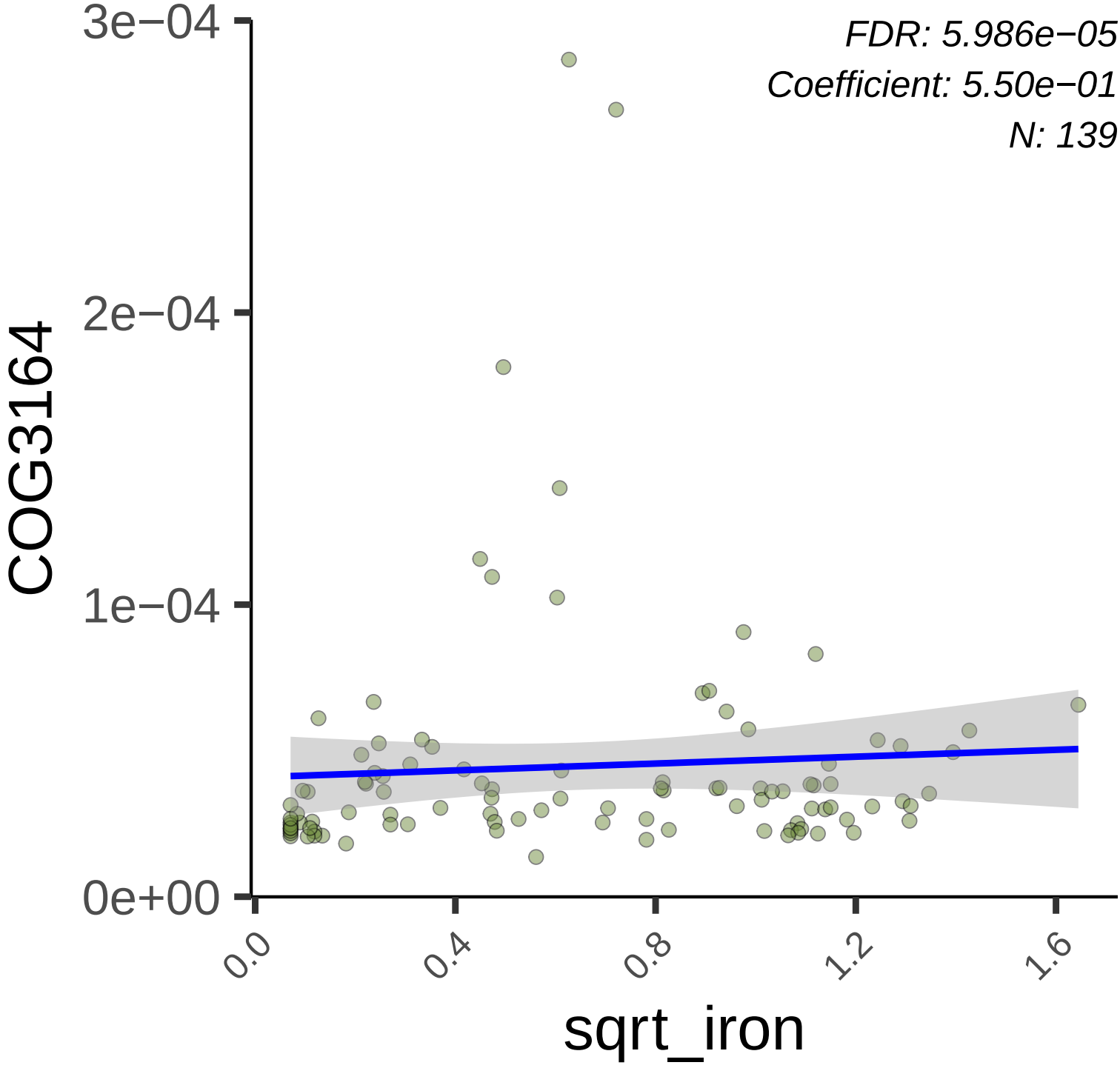
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.986e−05
Coefficient: 5.50e−01
N: 139
COG3164
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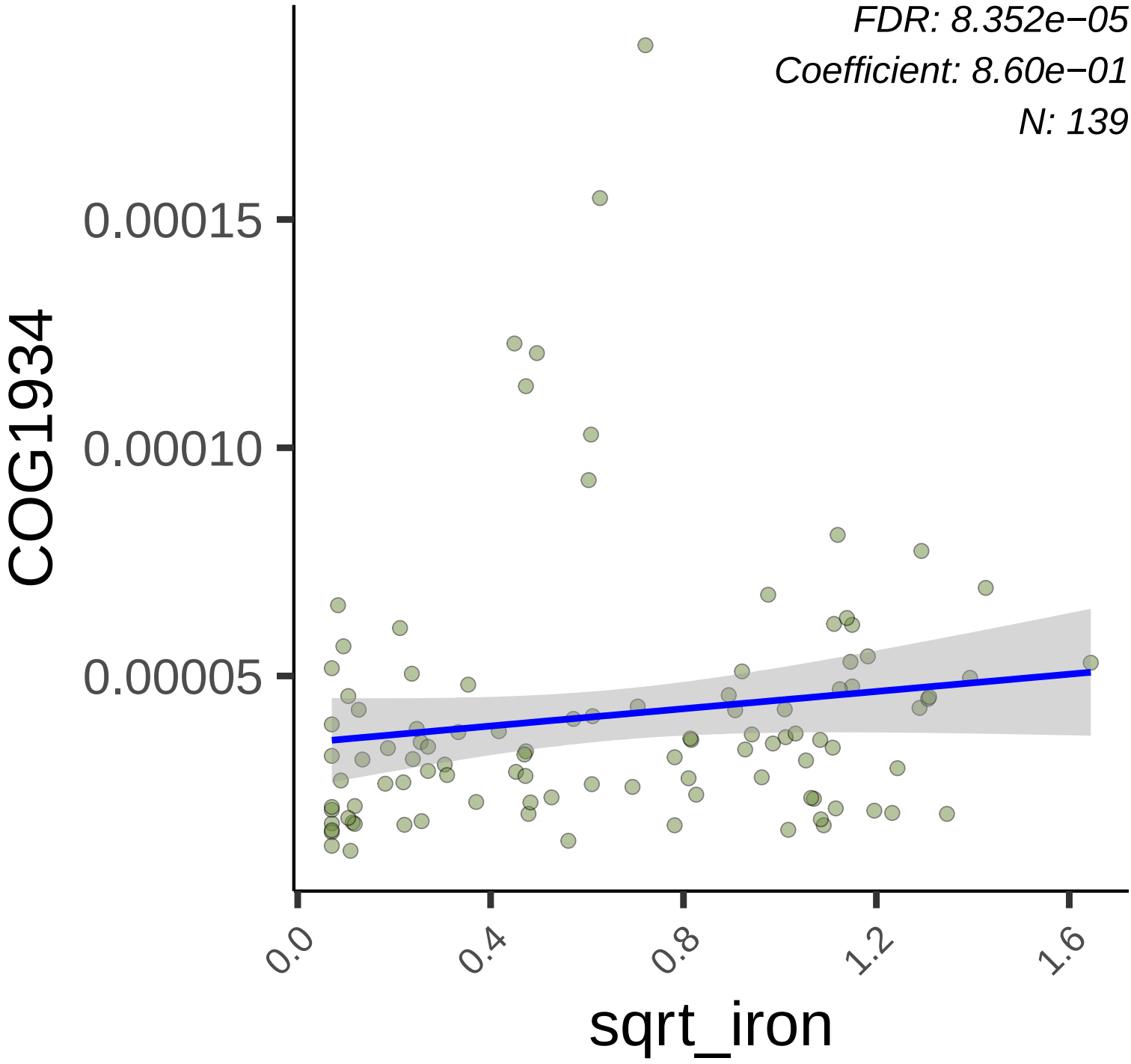
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.352e−05
Coefficient: 8.60e−01
N: 139
COG1934
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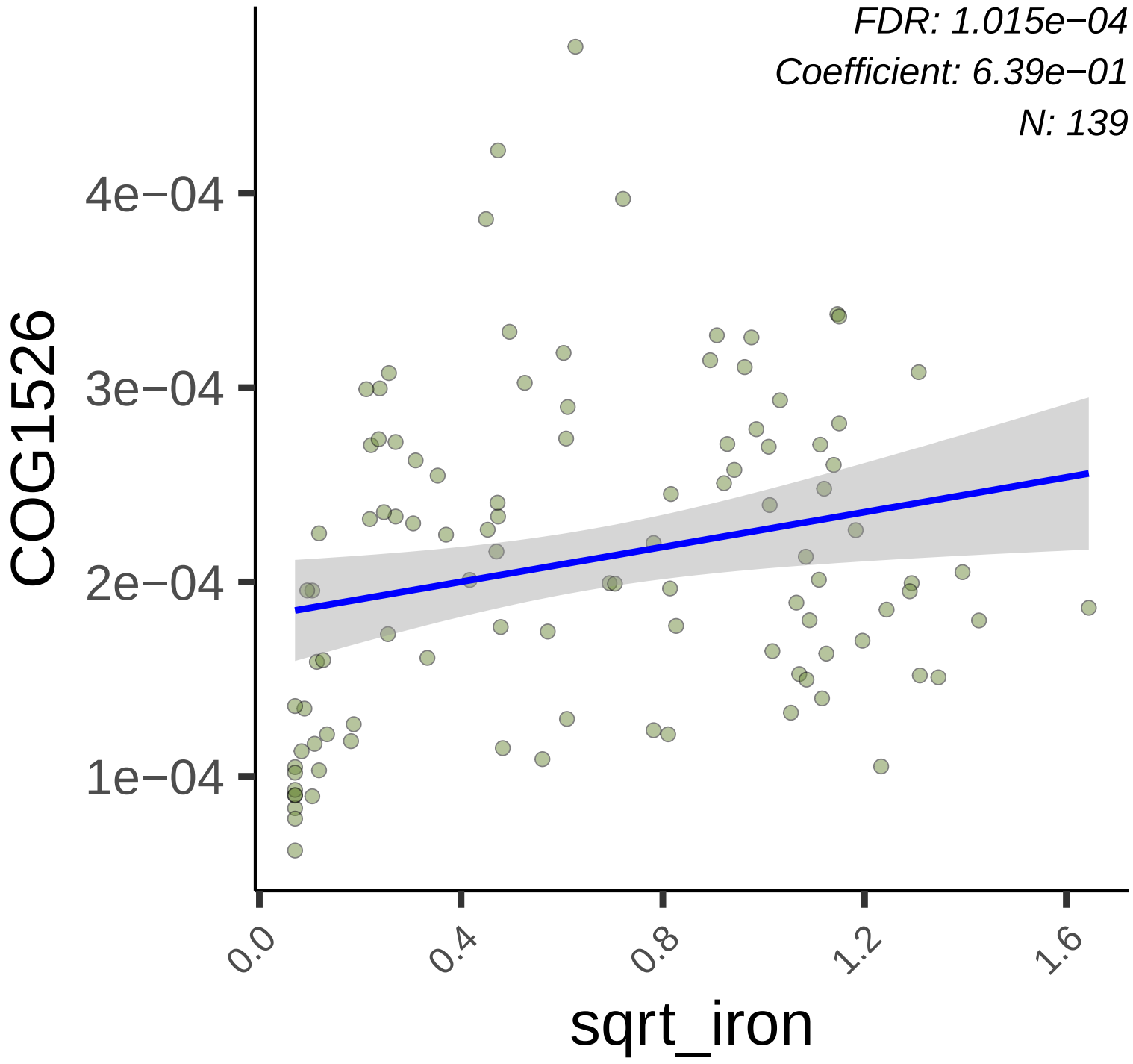
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.015e−04
Coefficient: 6.39e−01
N: 139
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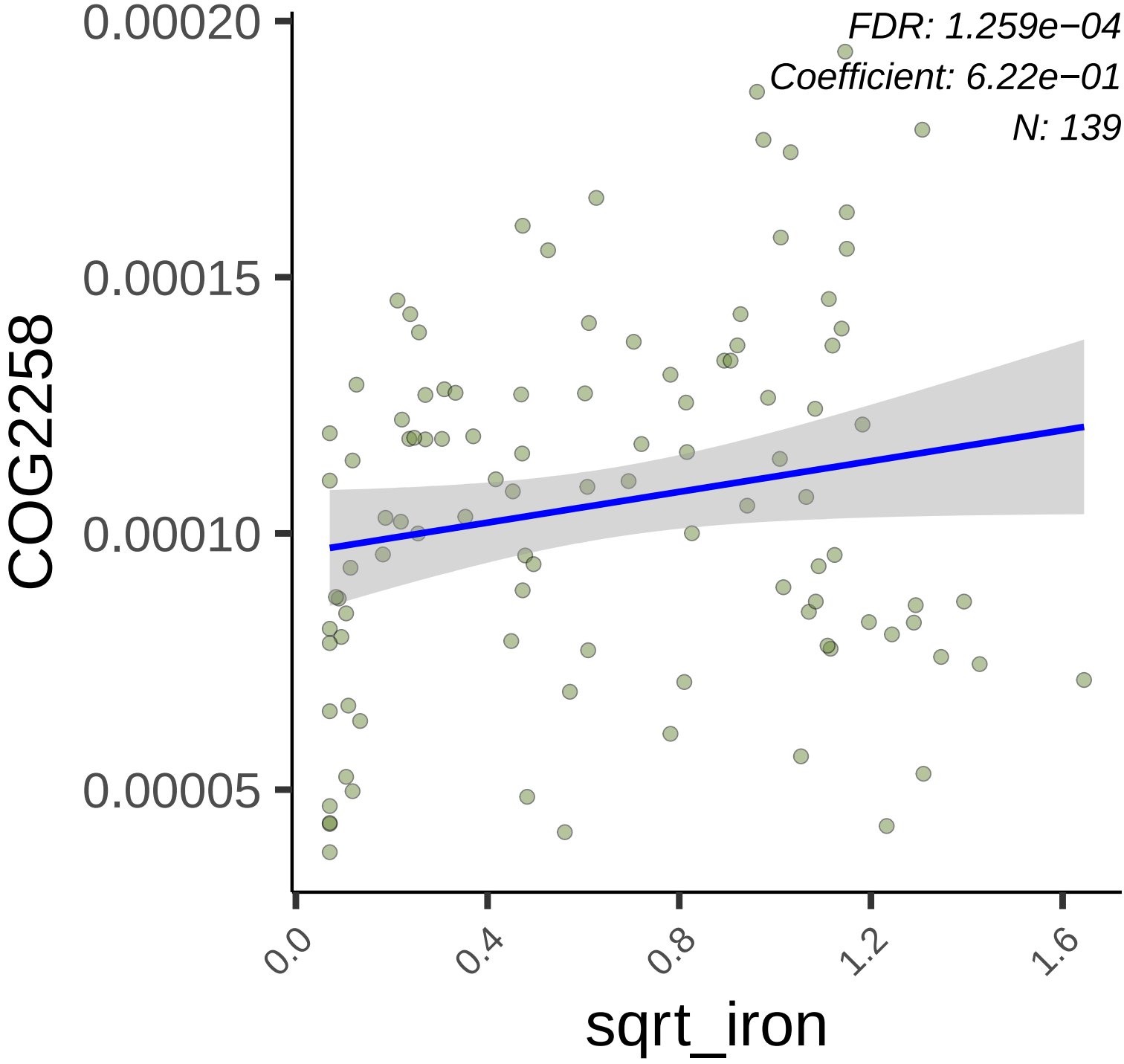
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.259e−04
Coefficient: 6.22e−01
N: 139
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COG2258
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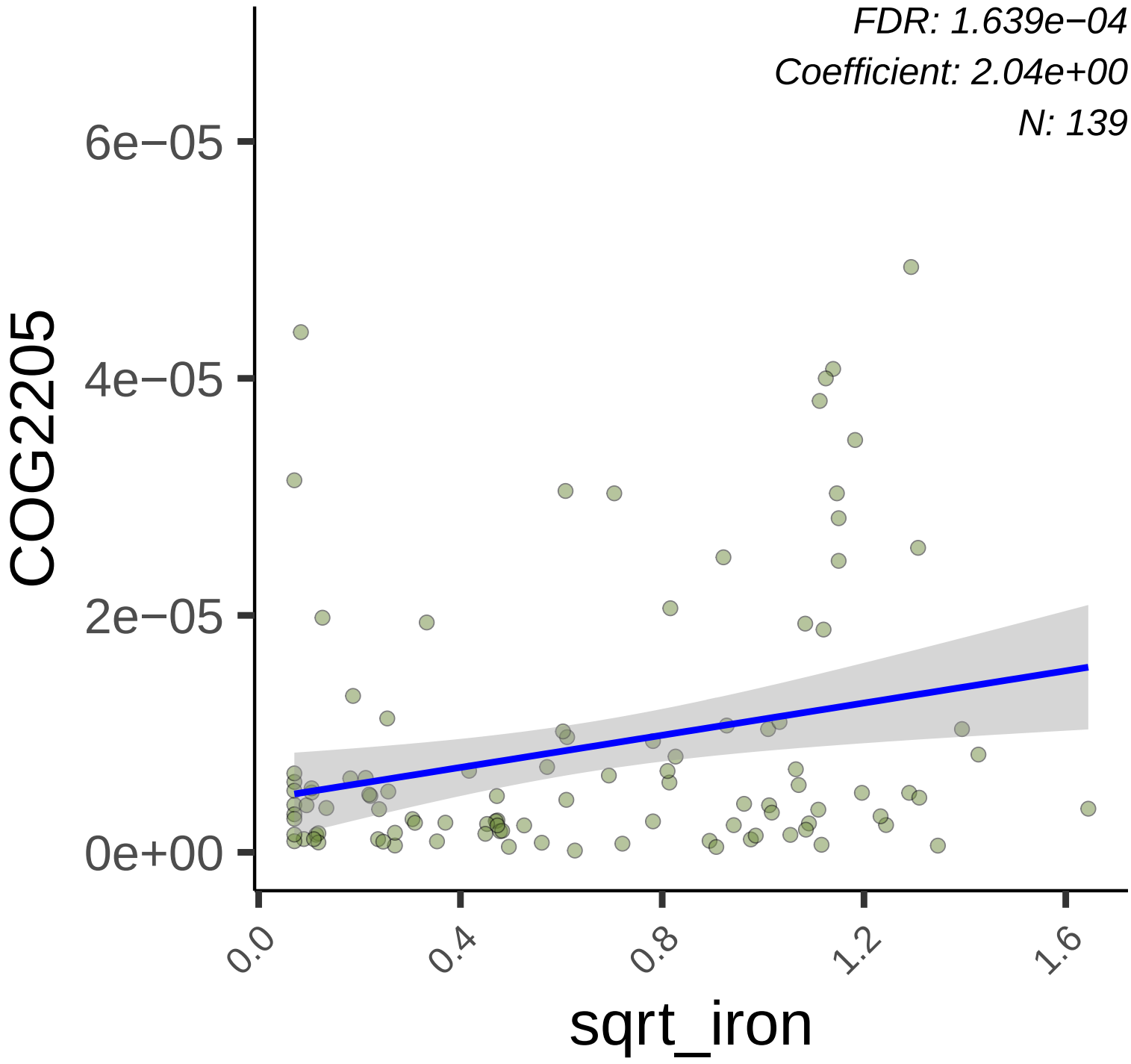
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.639e−04
Coefficient: 2.04e+00
N: 139
COG2205
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4e−05
2e−05
0e+00
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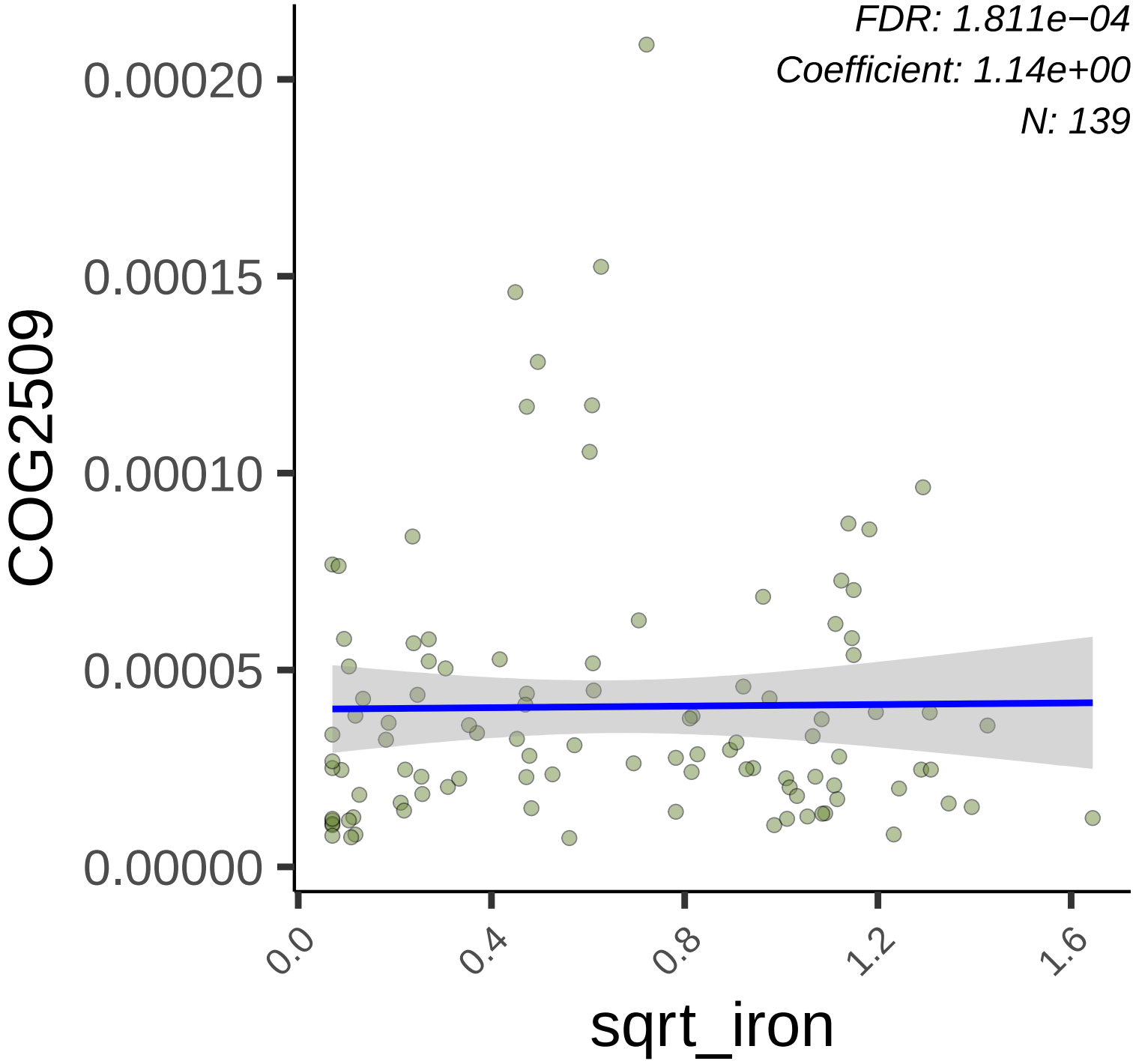
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.811e−04
Coefficient: 1.14e+00
N: 139
COG2509
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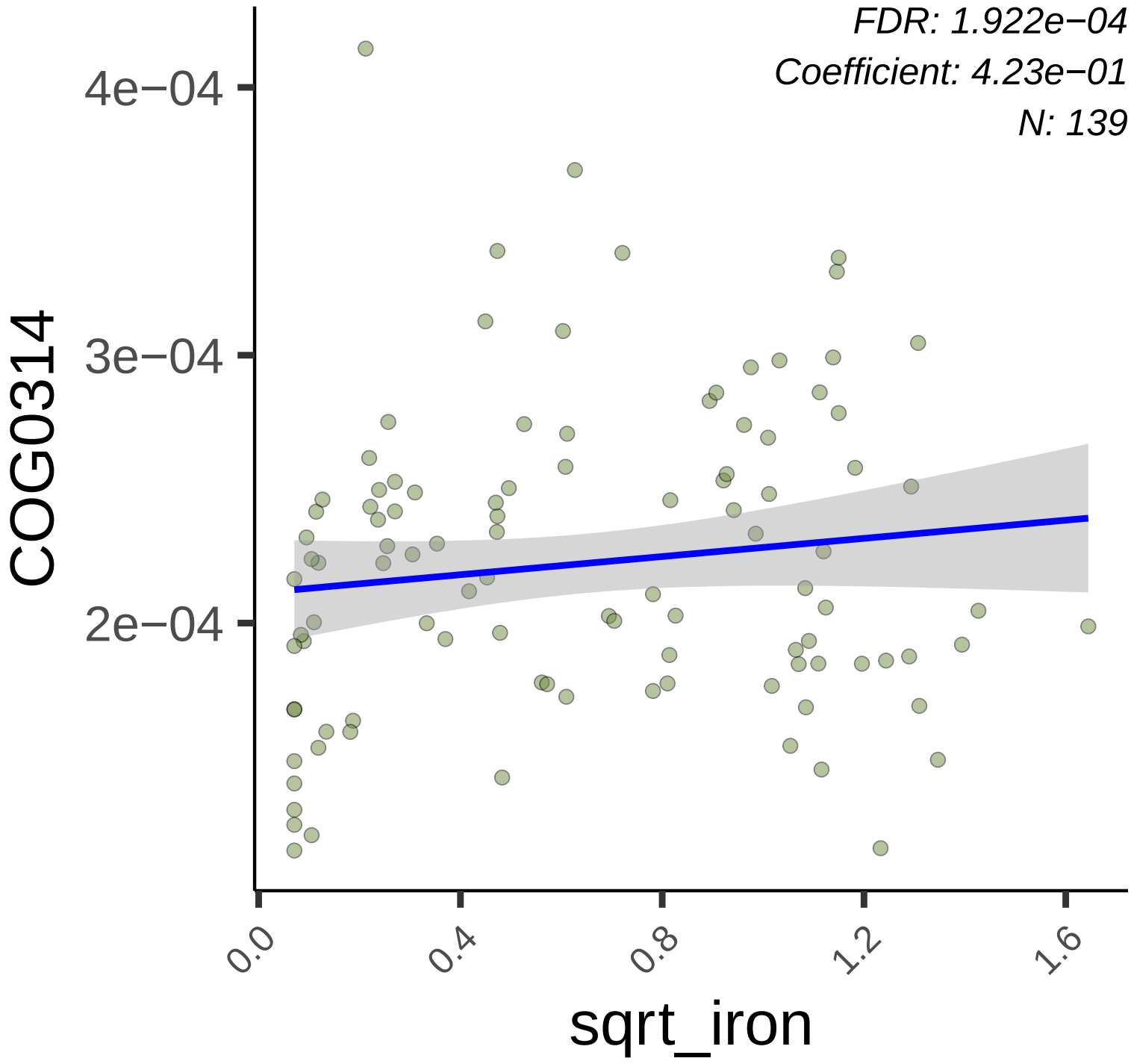
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.922e−04
Coefficient: 4.23e−01
N: 139
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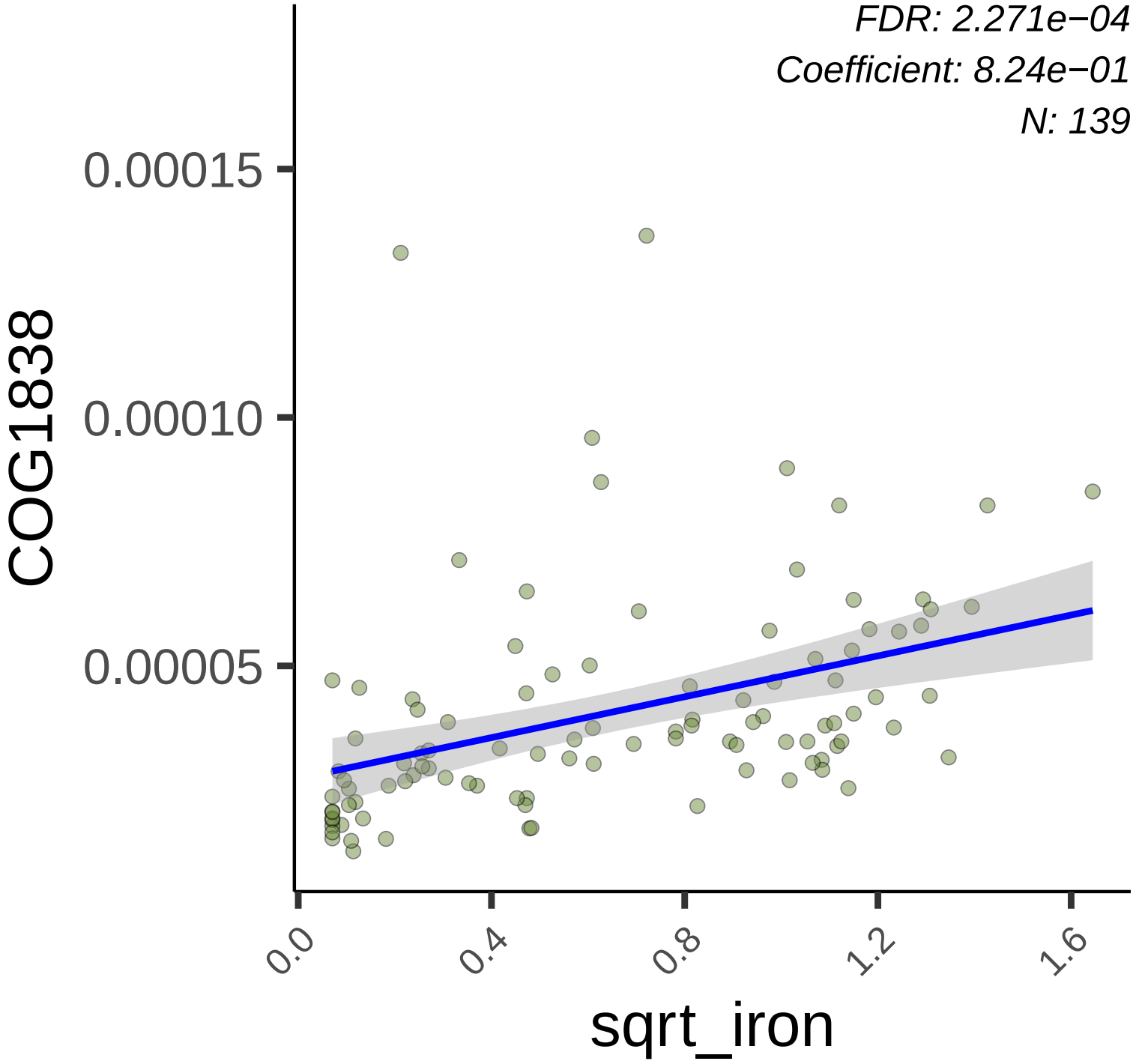
sqrt_iron


FDR: 2.271e−04
Coefficient: 8.24e−01
N: 139
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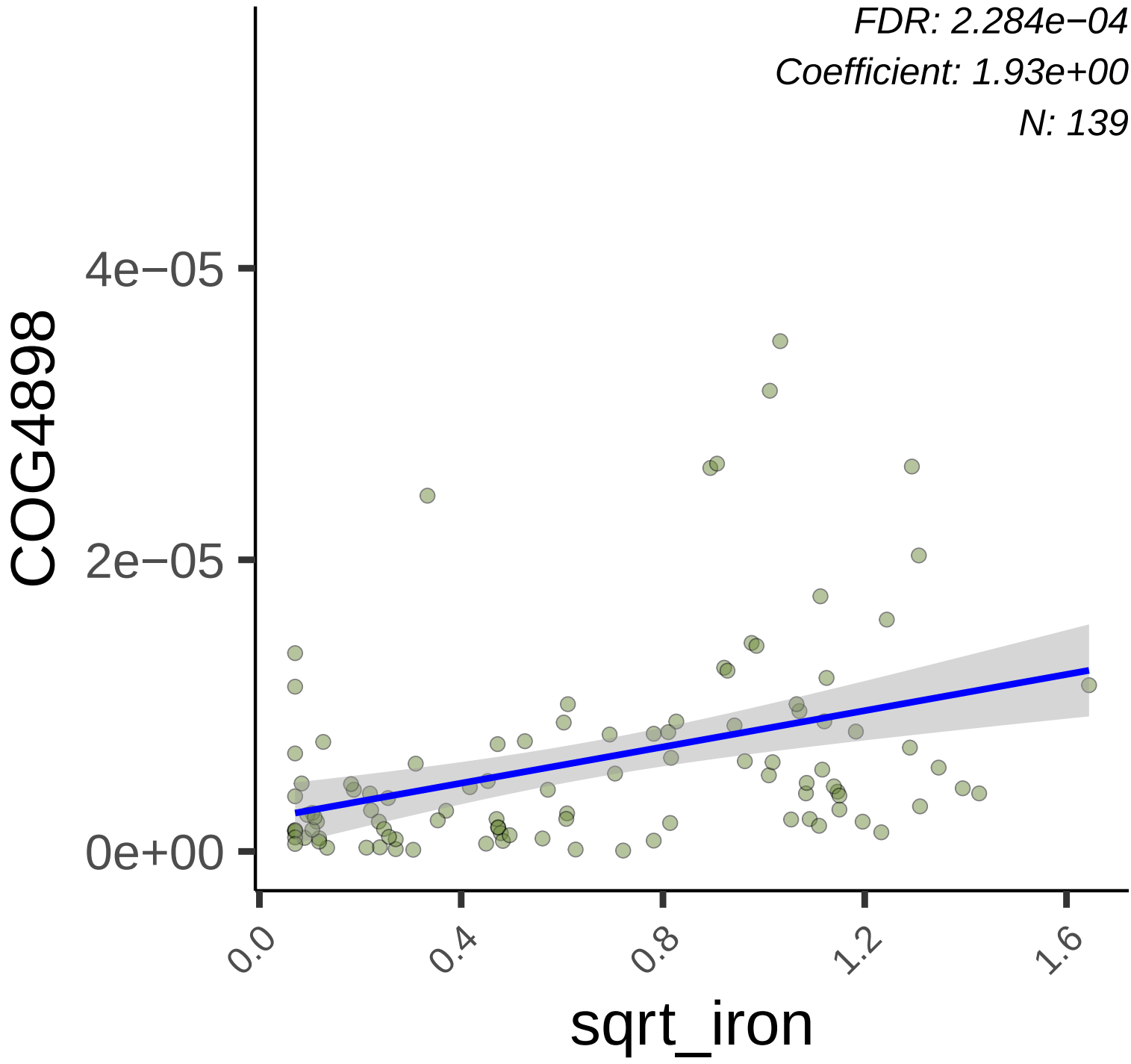
1.6
sqrt_iron


FDR: 2.284e−04
Coefficient: 1.93e+00
N: 139
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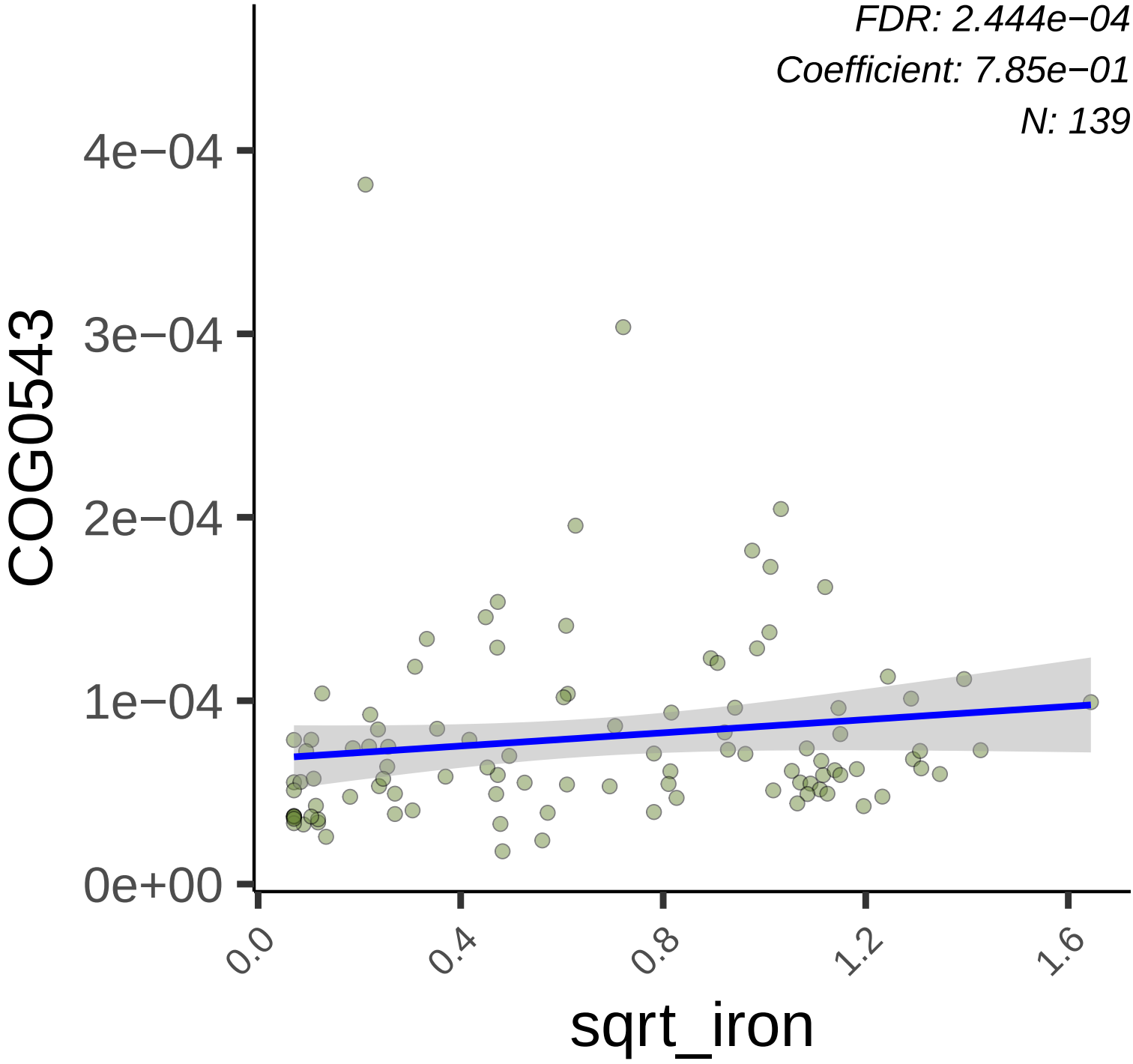
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.444e−04
Coefficient: 7.85e−01
N: 139
COG0543
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2e−04
1e−04
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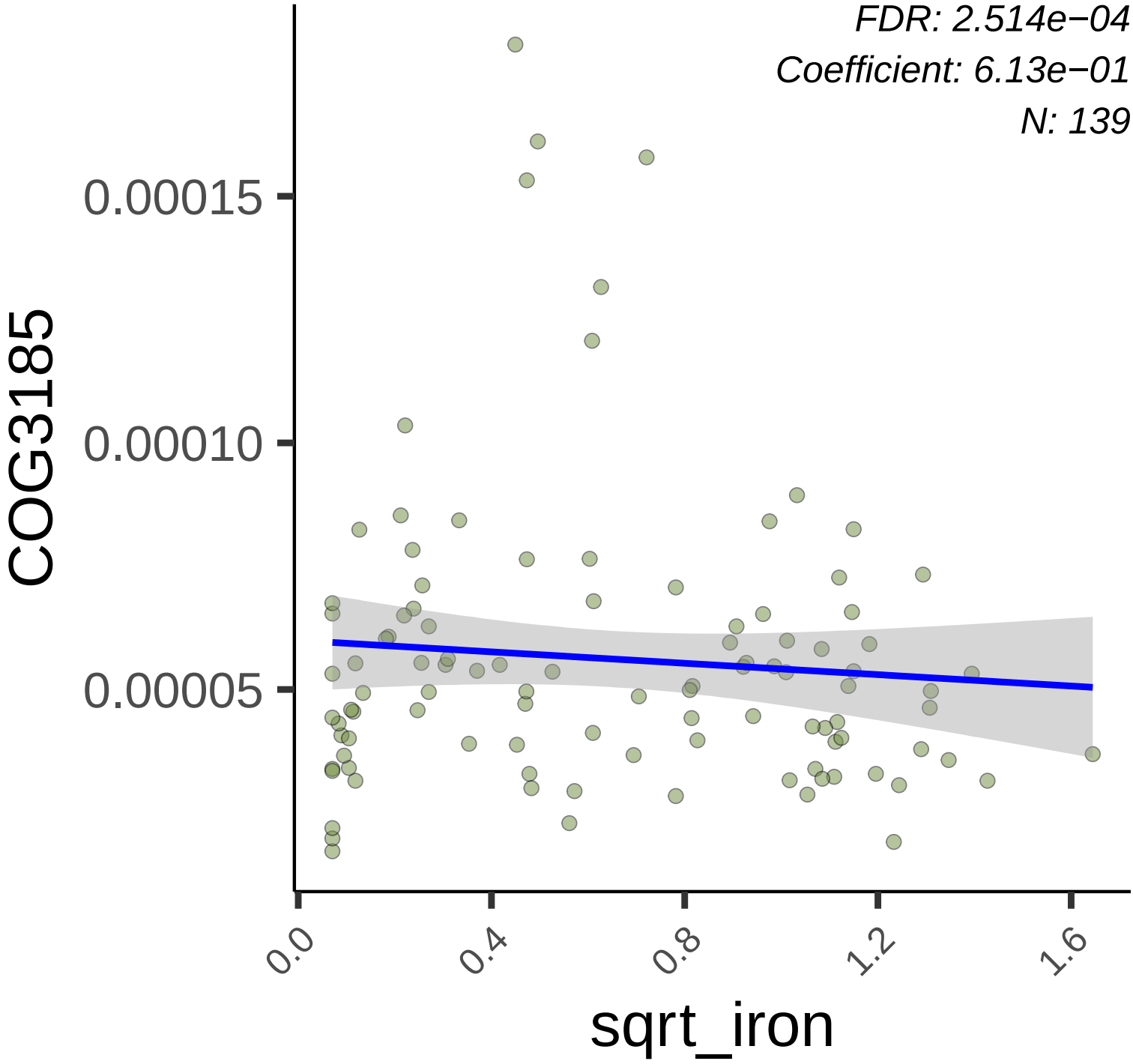
1.6
sqrt_iron


FDR: 2.514e−04
Coefficient: 6.13e−01
N: 139
COG3185
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0.4
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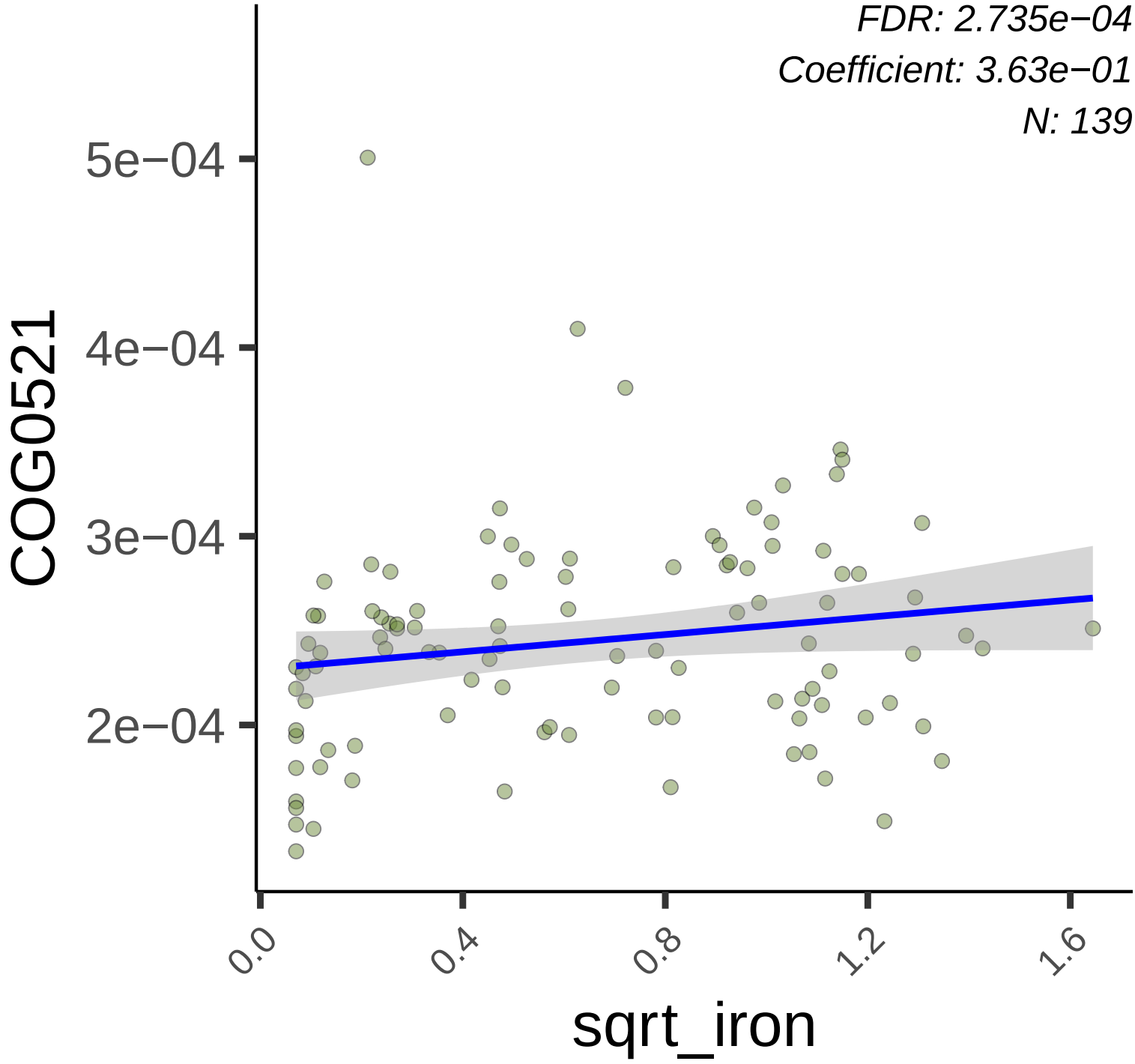
1.2
1.6
sqrt_iron


FDR: 2.735e−04
Coefficient: 3.63e−01
N: 139
COG0521
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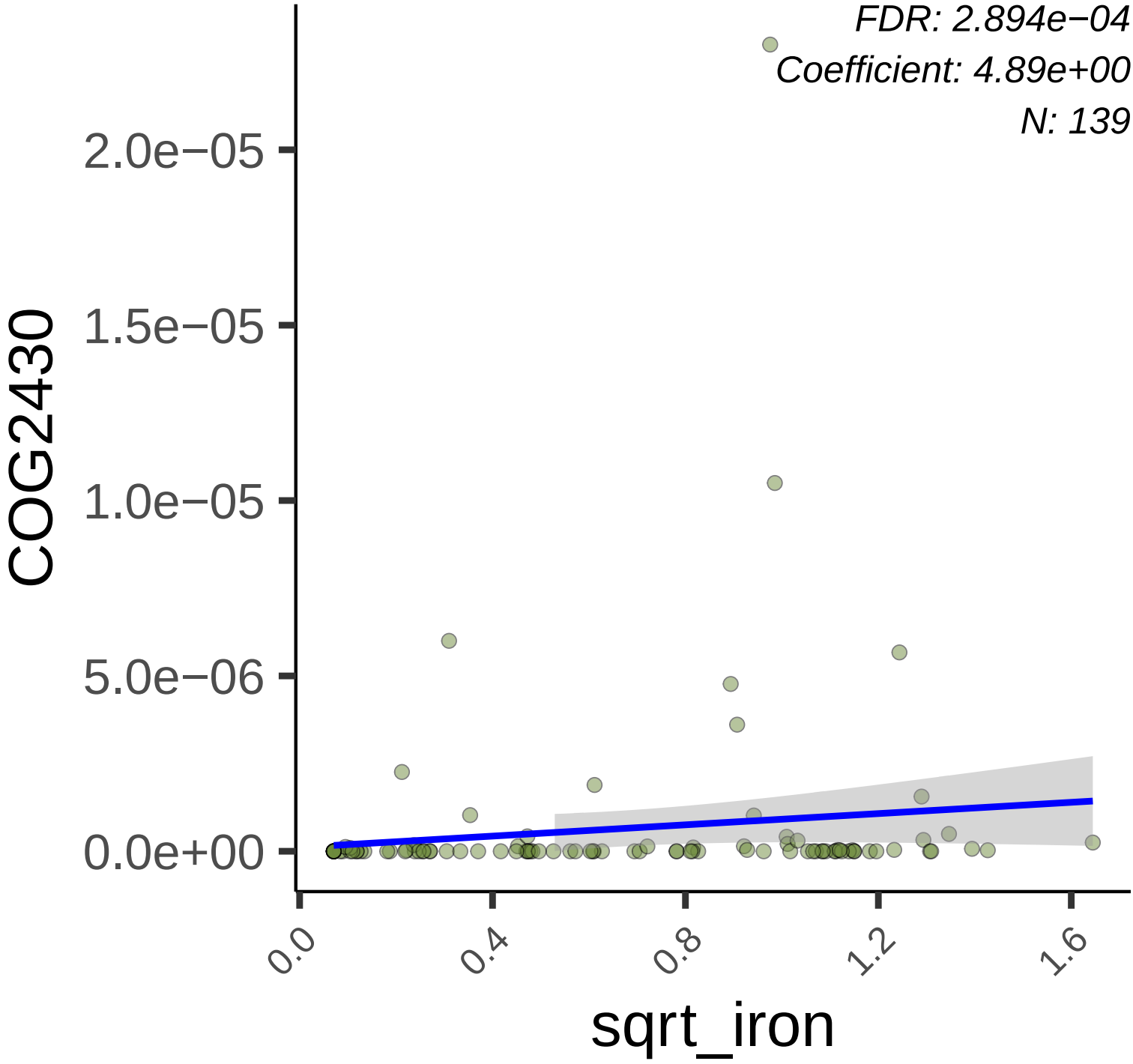
1.6
sqrt_iron


FDR: 2.894e−04
Coefficient: 4.89e+00
N: 139
COG2430
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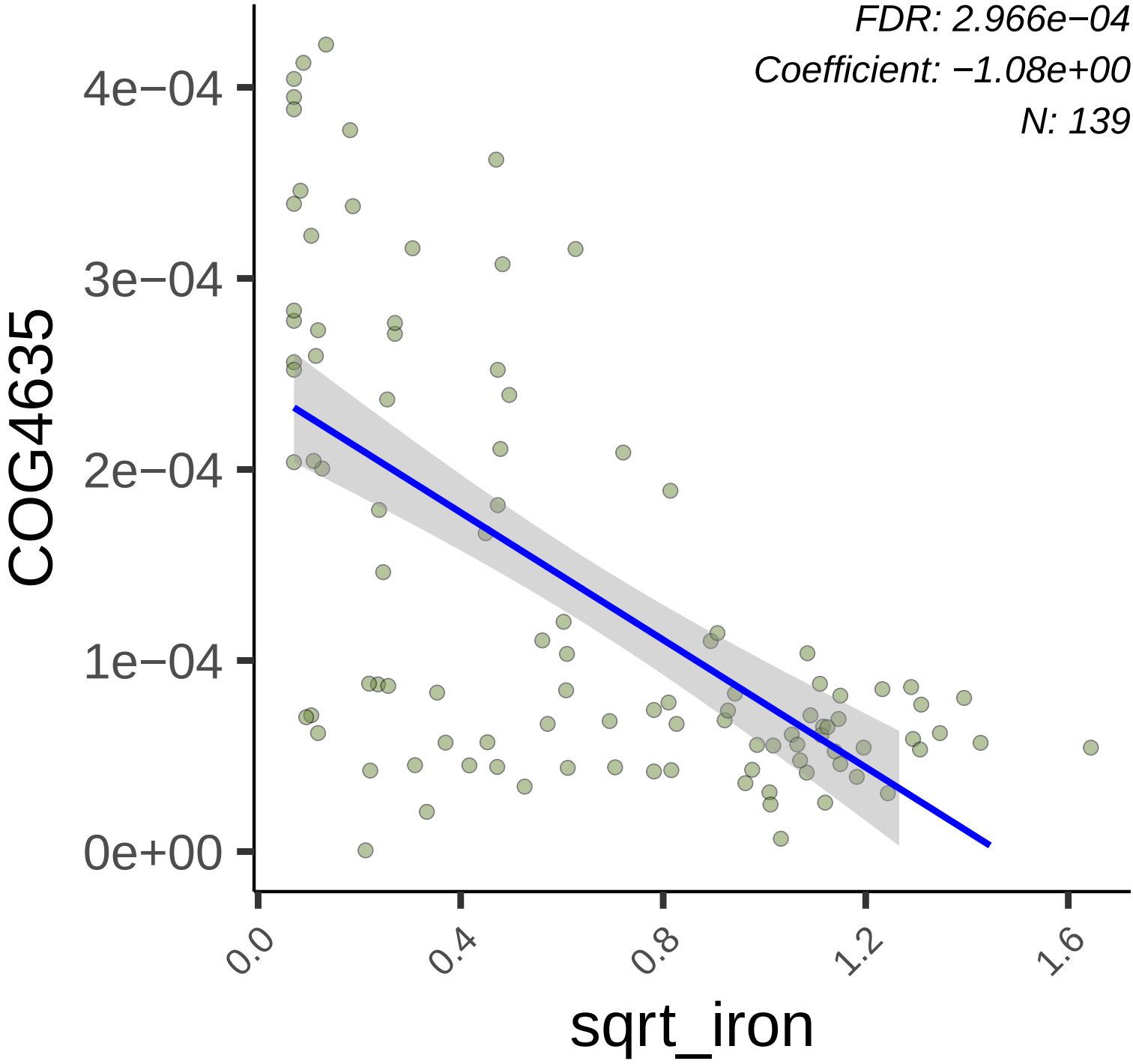
1.6
sqrt_iron


FDR: 2.966e−04
Coefficient: −1.08e+00
N: 139
COG4635
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2e−04
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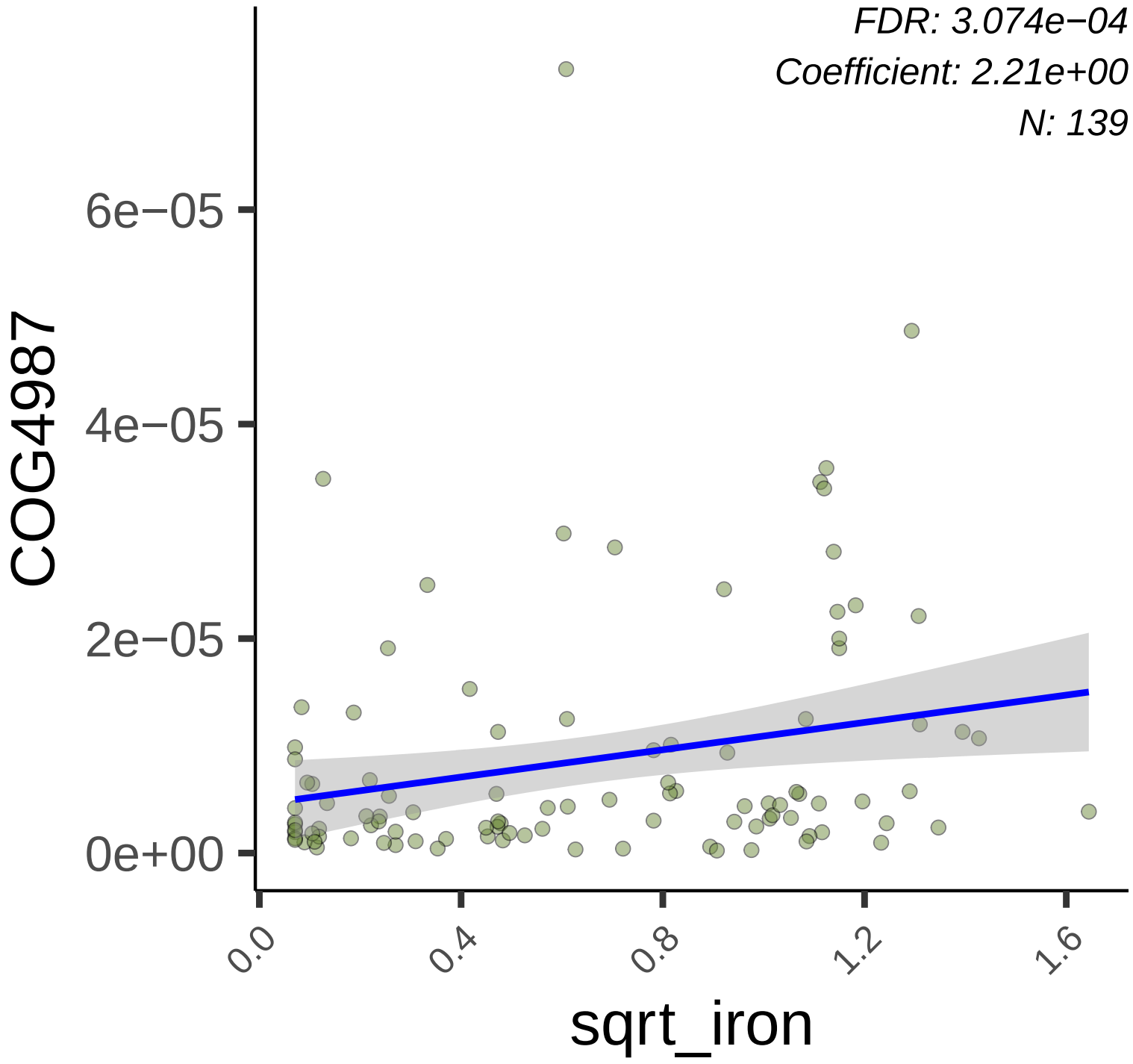
sqrt_iron


FDR: 3.074e−04
Coefficient: 2.21e+00
N: 139
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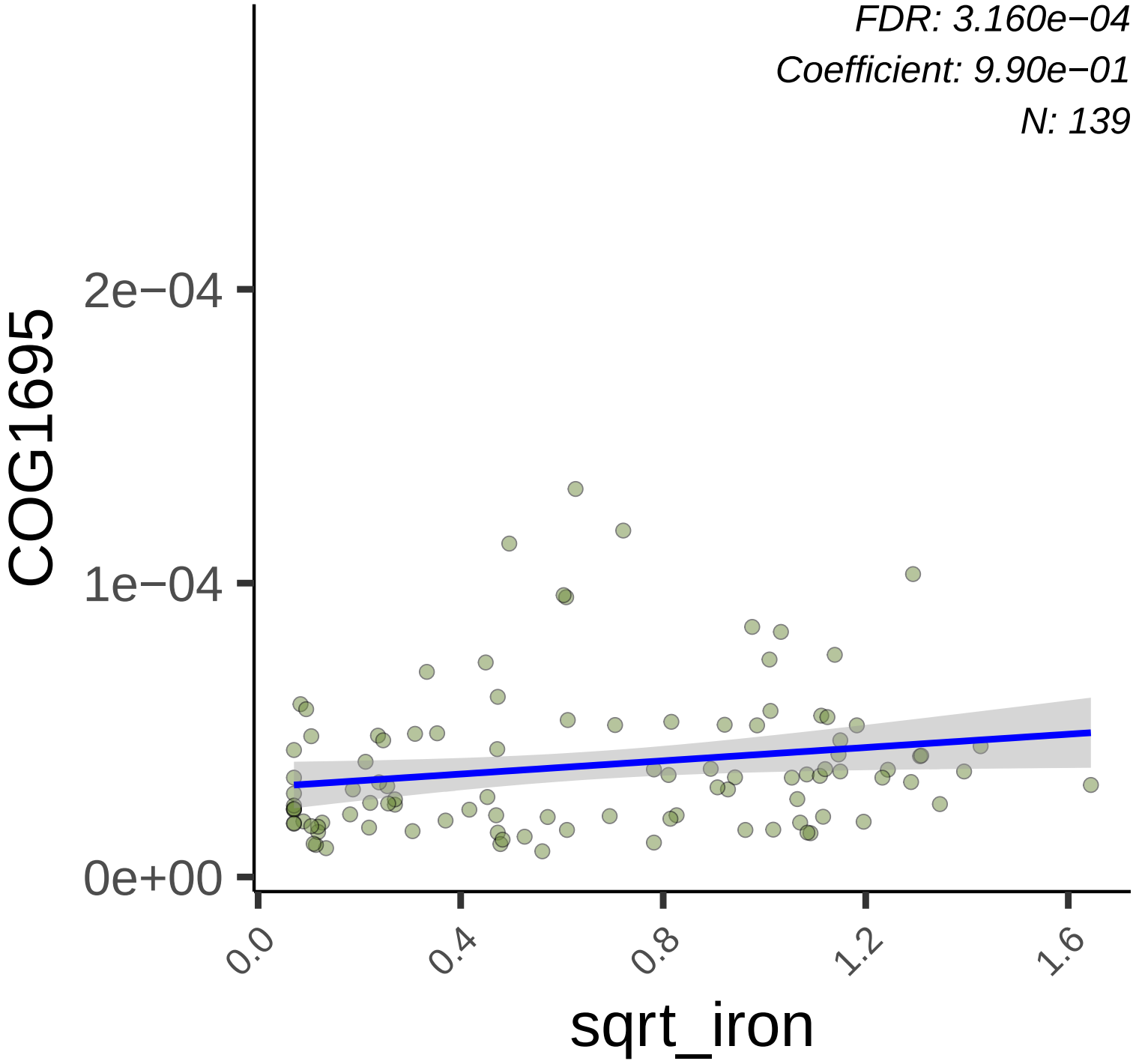
sqrt_iron


FDR: 3.160e−04
Coefficient: 9.90e−01
N: 139
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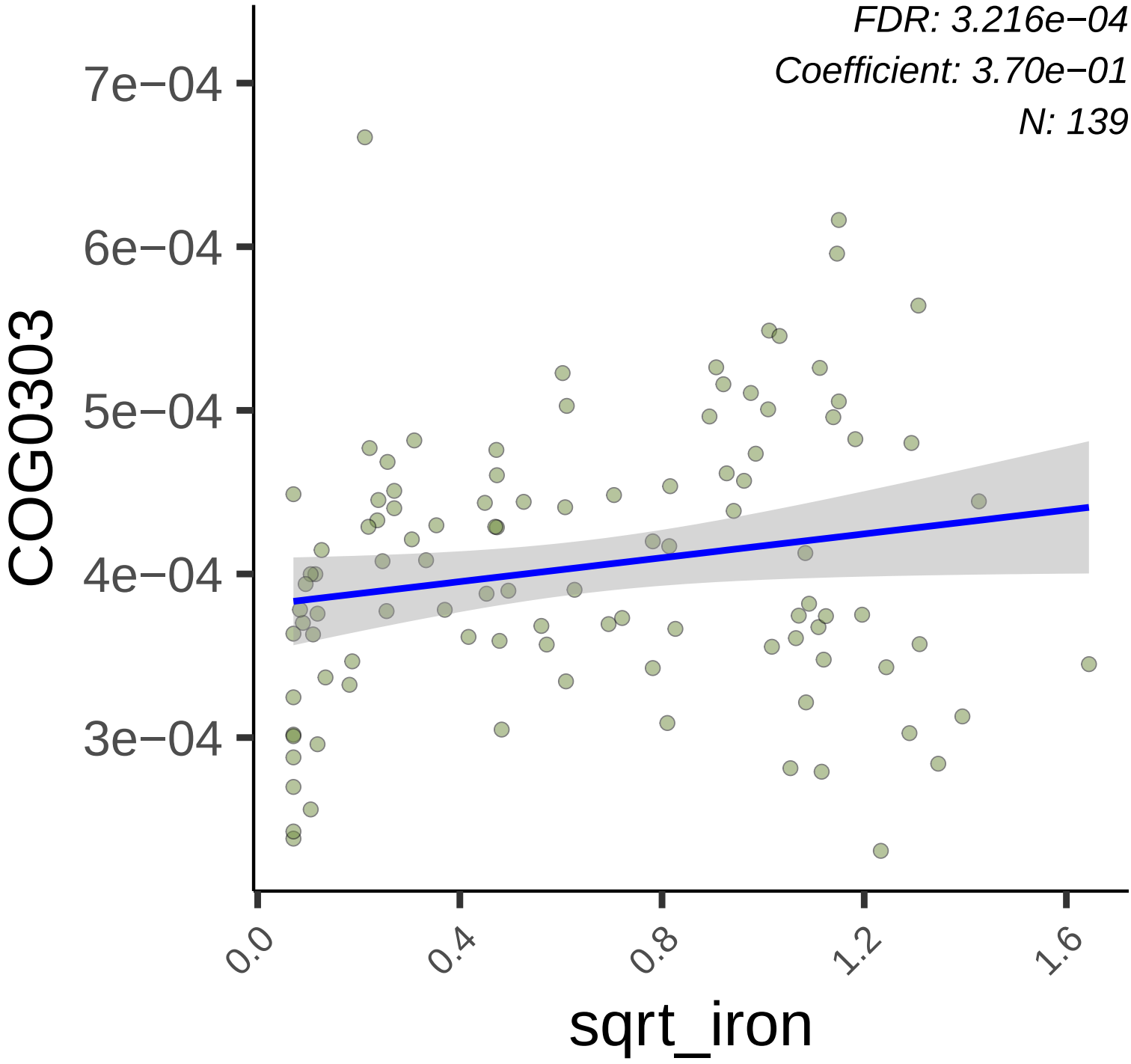
sqrt_iron


FDR: 3.216e−04
Coefficient: 3.70e−01
N: 139
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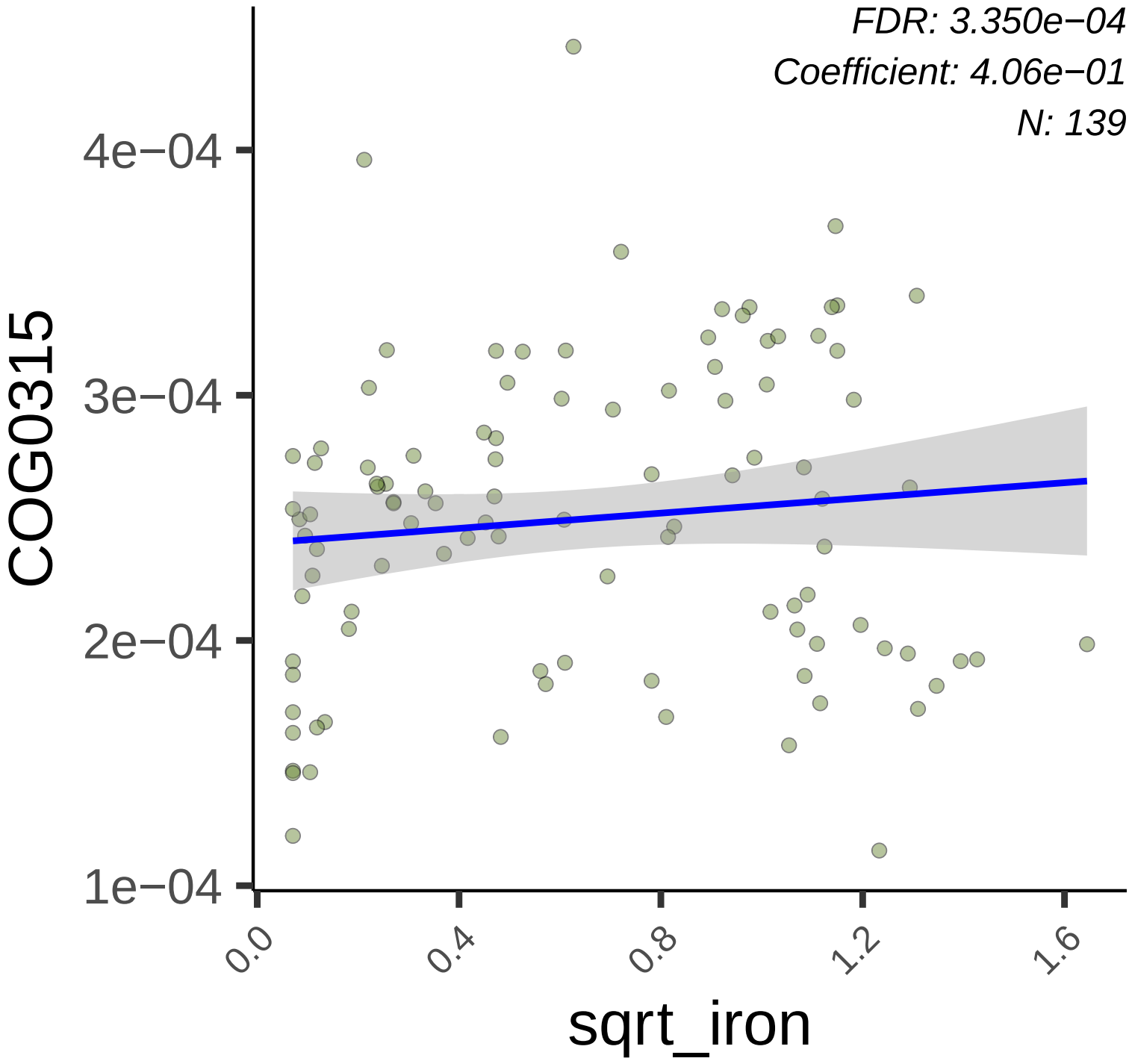
sqrt_iron


FDR: 3.350e−04
Coefficient: 4.06e−01
N: 139
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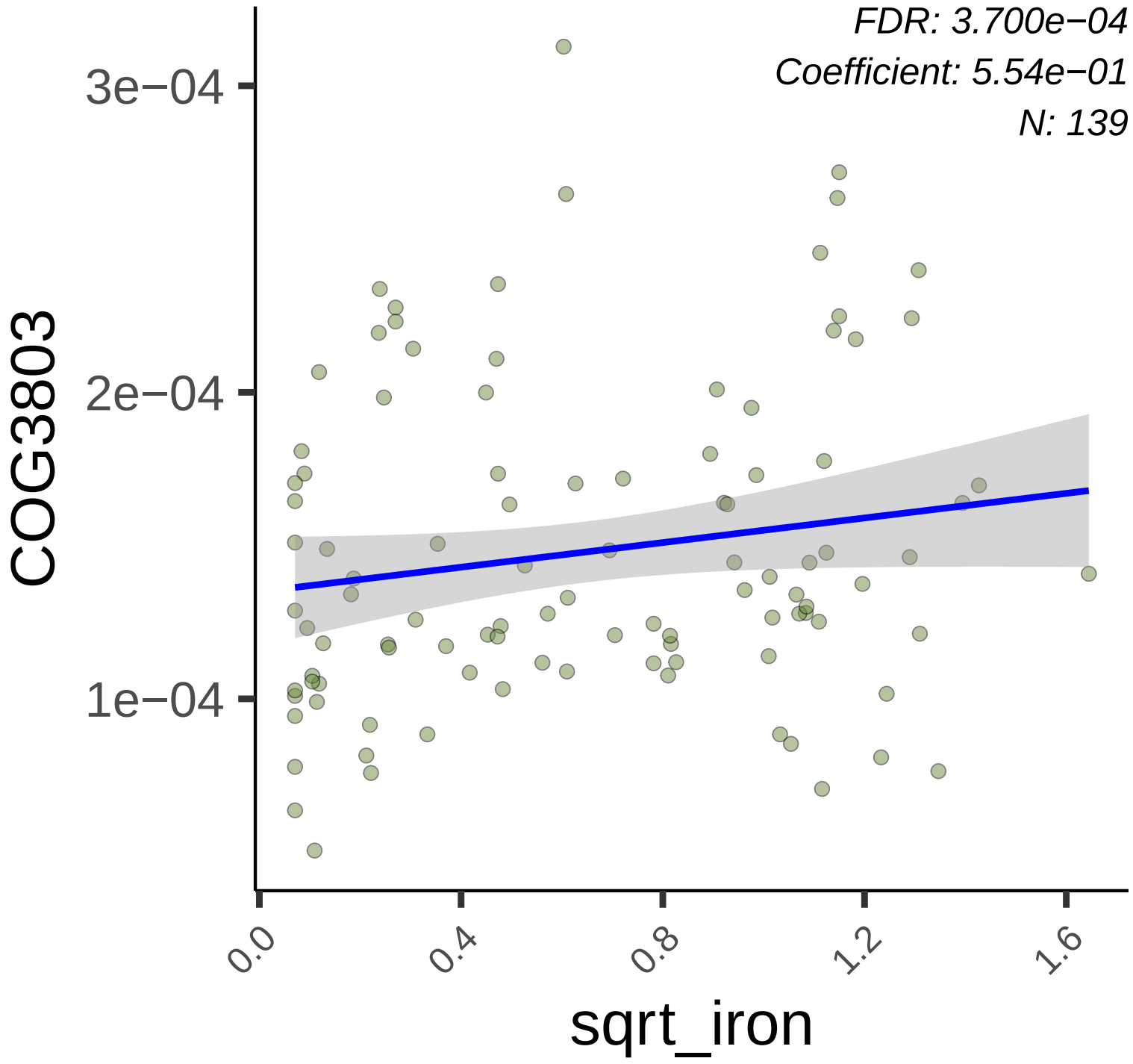
sqrt_iron


FDR: 3.700e−04
Coefficient: 5.54e−01
N: 139
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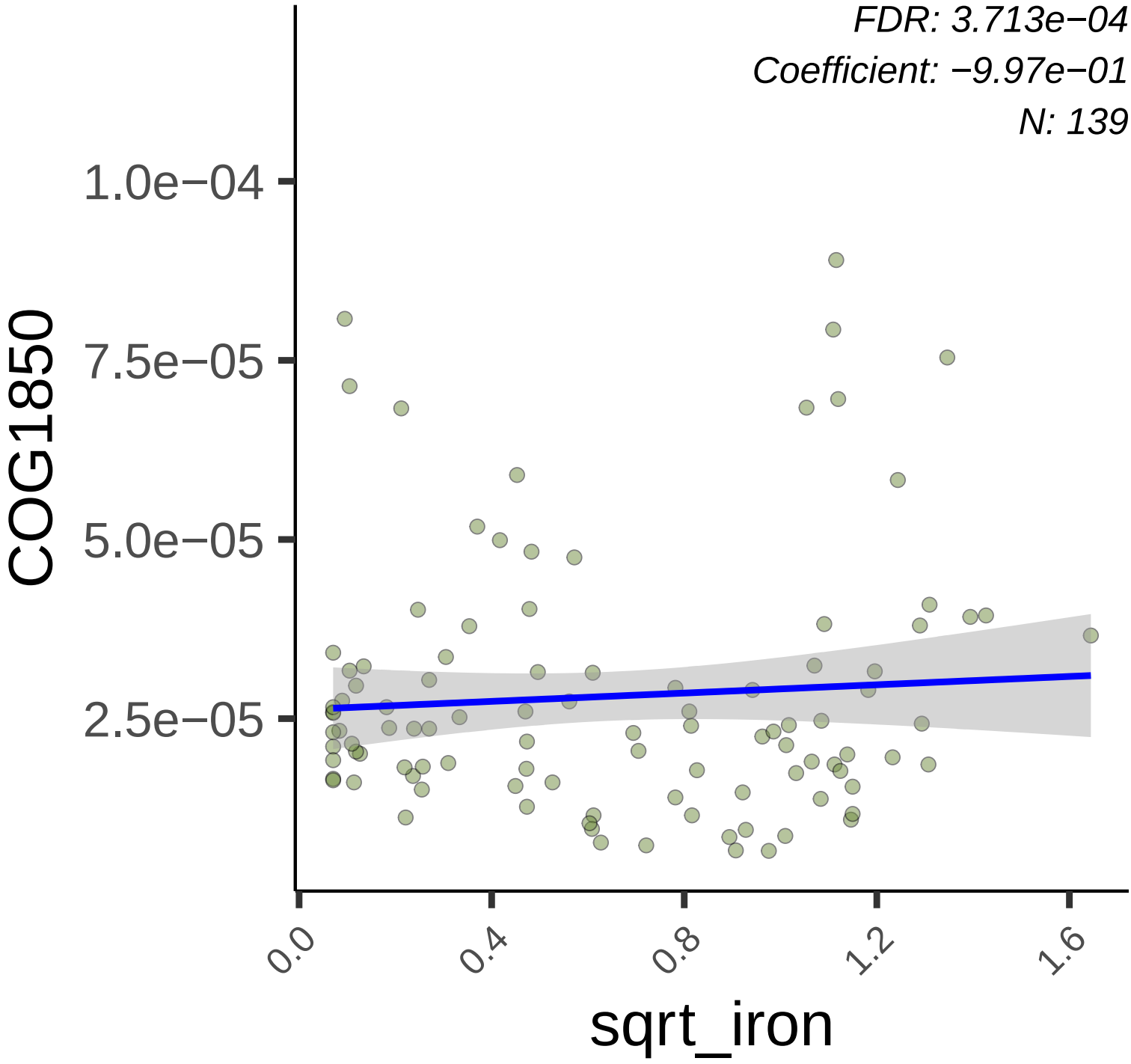
sqrt_iron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Coefficient: −9.97e−01
N: 139
COG1850
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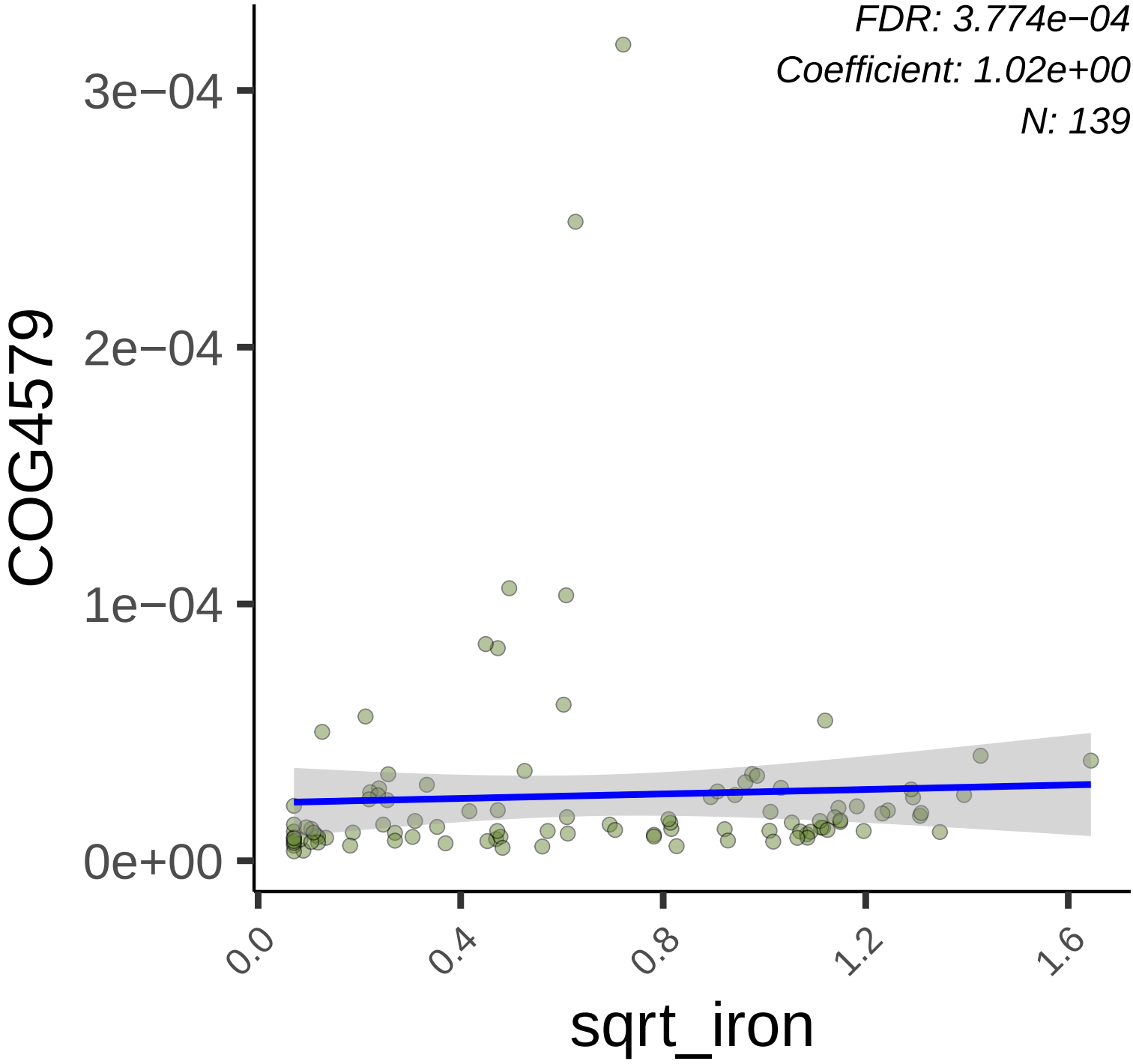
1.2
1.6
sqrt_iron


FDR: 3.774e−04
Coefficient: 1.02e+00
N: 139
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0.4
0.8
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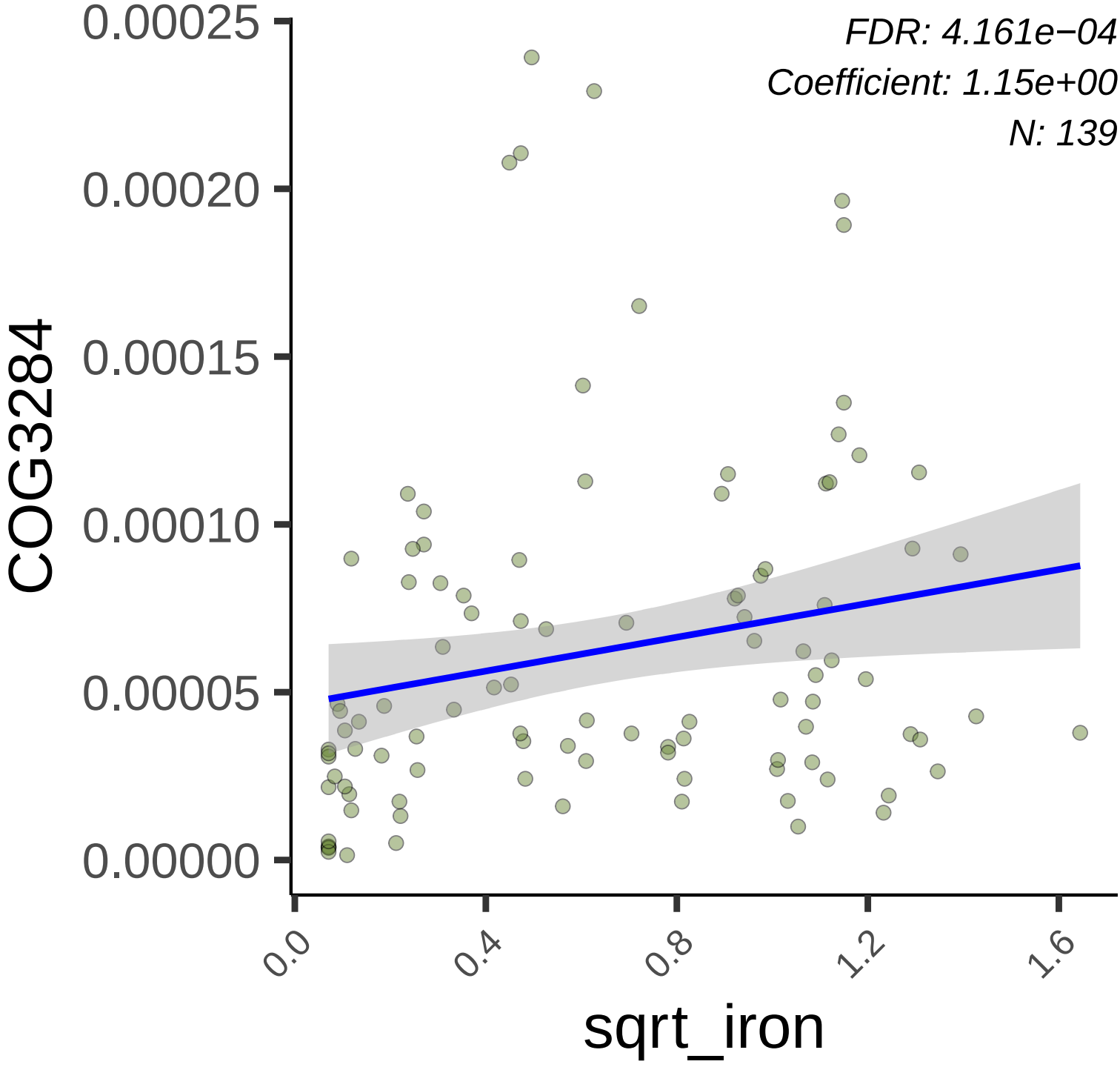
1.6
sqrt_iron


FDR: 4.161e−04
Coefficient: 1.15e+00
N: 139
COG3284
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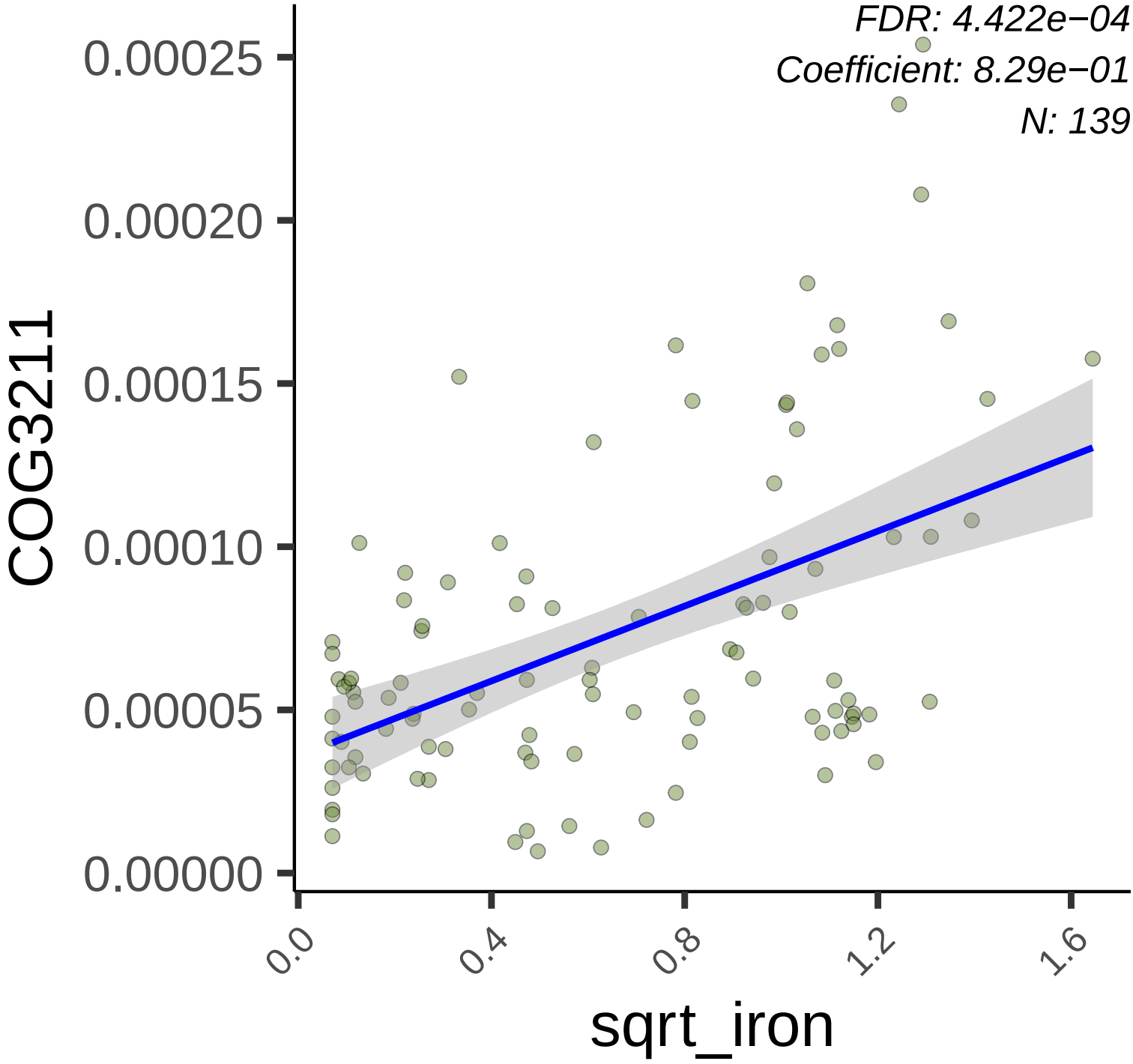
1.6
sqrt_iron


FDR: 4.422e−04
Coefficient: 8.29e−01
N: 139
COG3211
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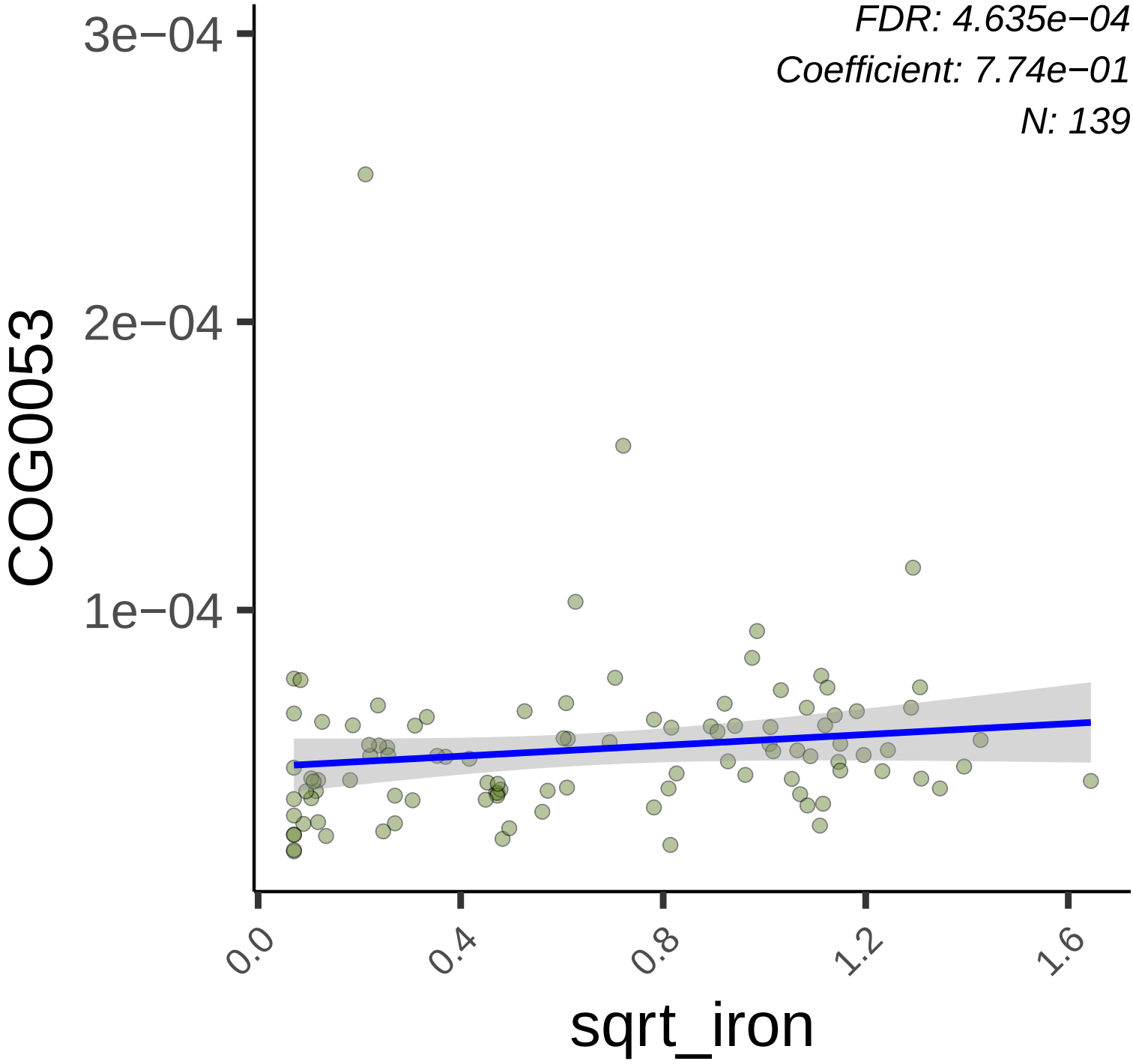
sqrt_iron


FDR: 4.635e−04
Coefficient: 7.74e−01
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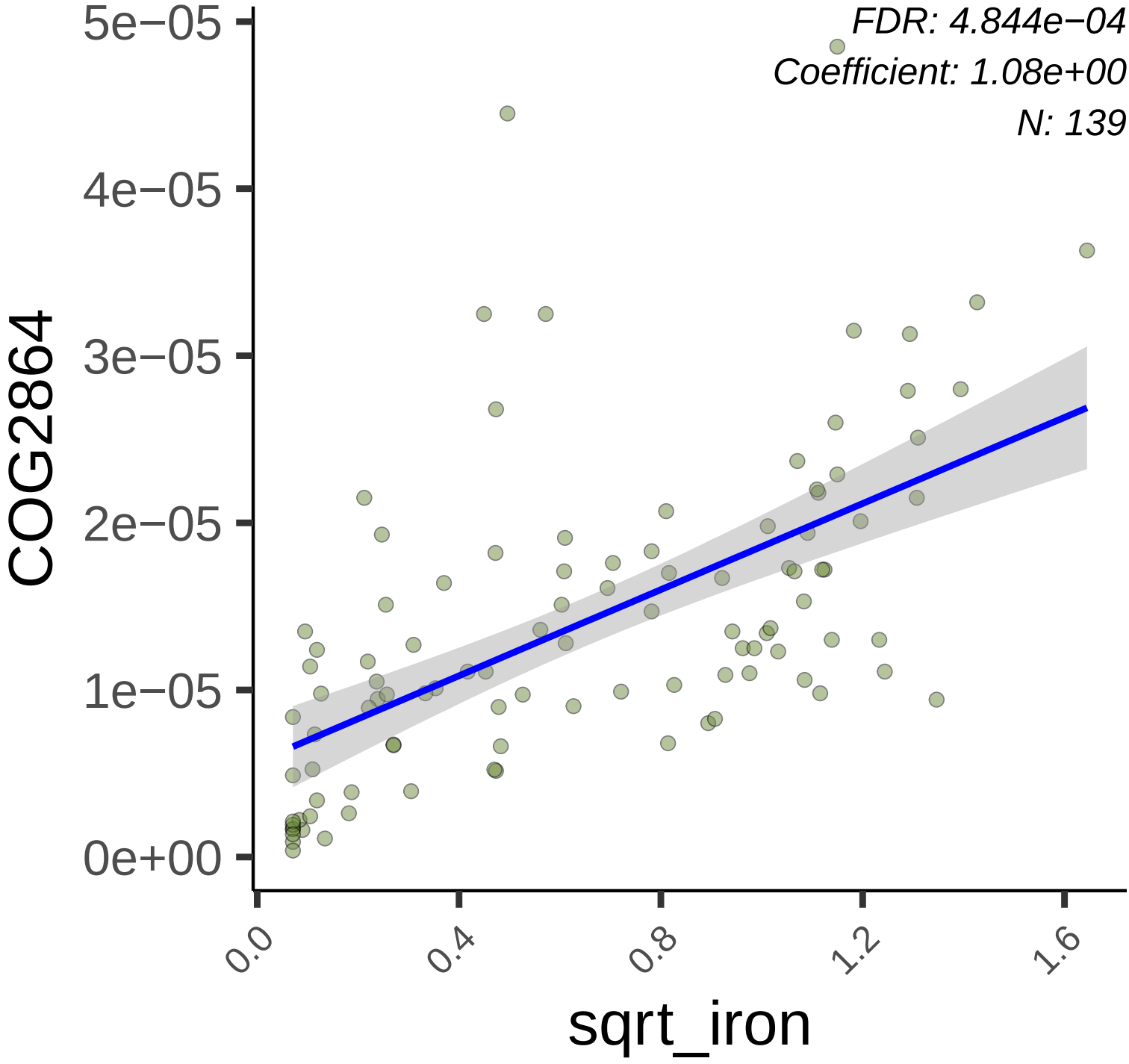
1.6
sqrt_iron


FDR: 4.844e−04
Coefficient: 1.08e+00
N: 139
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4e−05
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2e−05
1e−05
0e+00
COG2864
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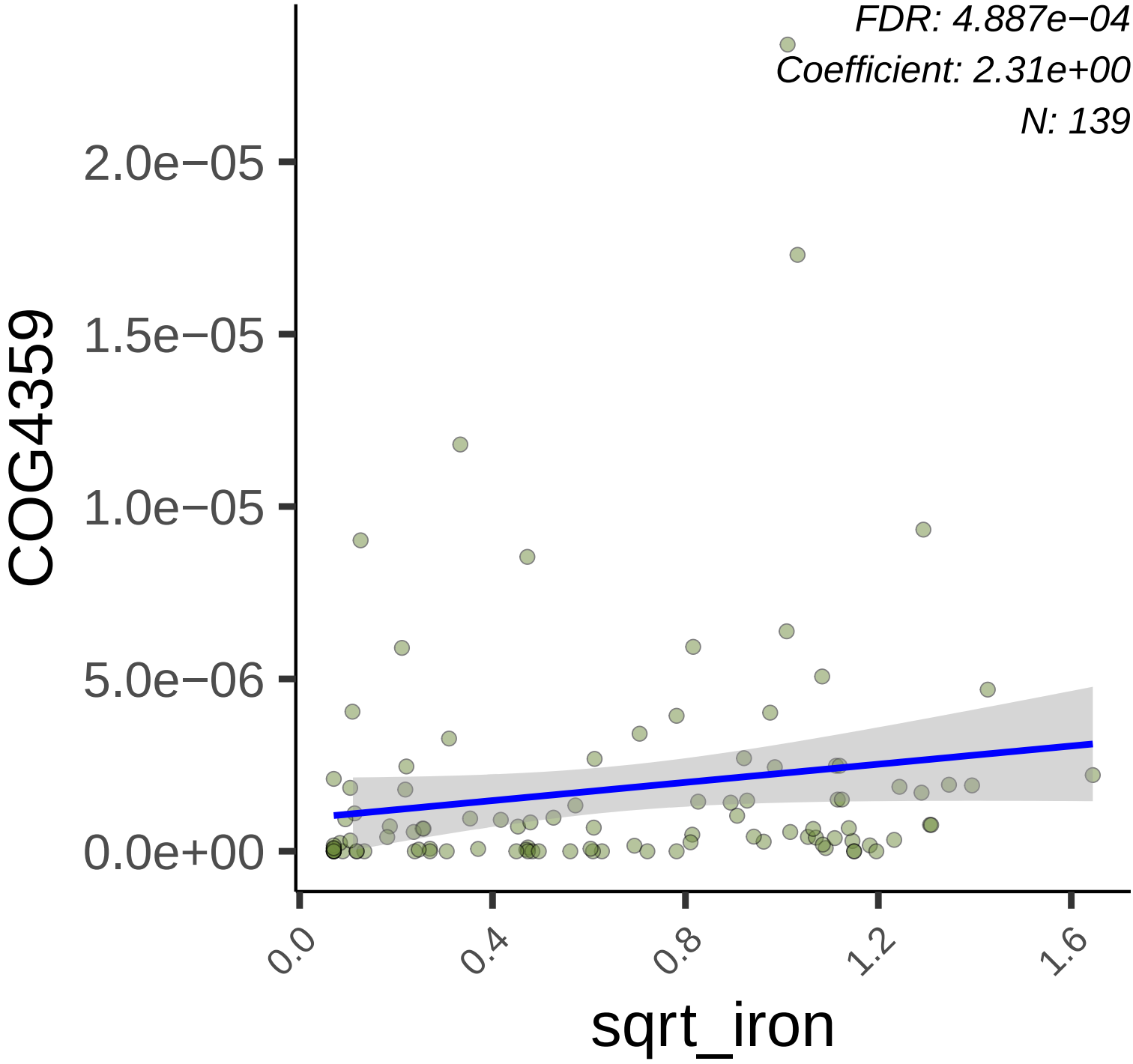
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.887e−04
Coefficient: 2.31e+00
N: 139
COG4359
2.0e−05
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5.0e−06
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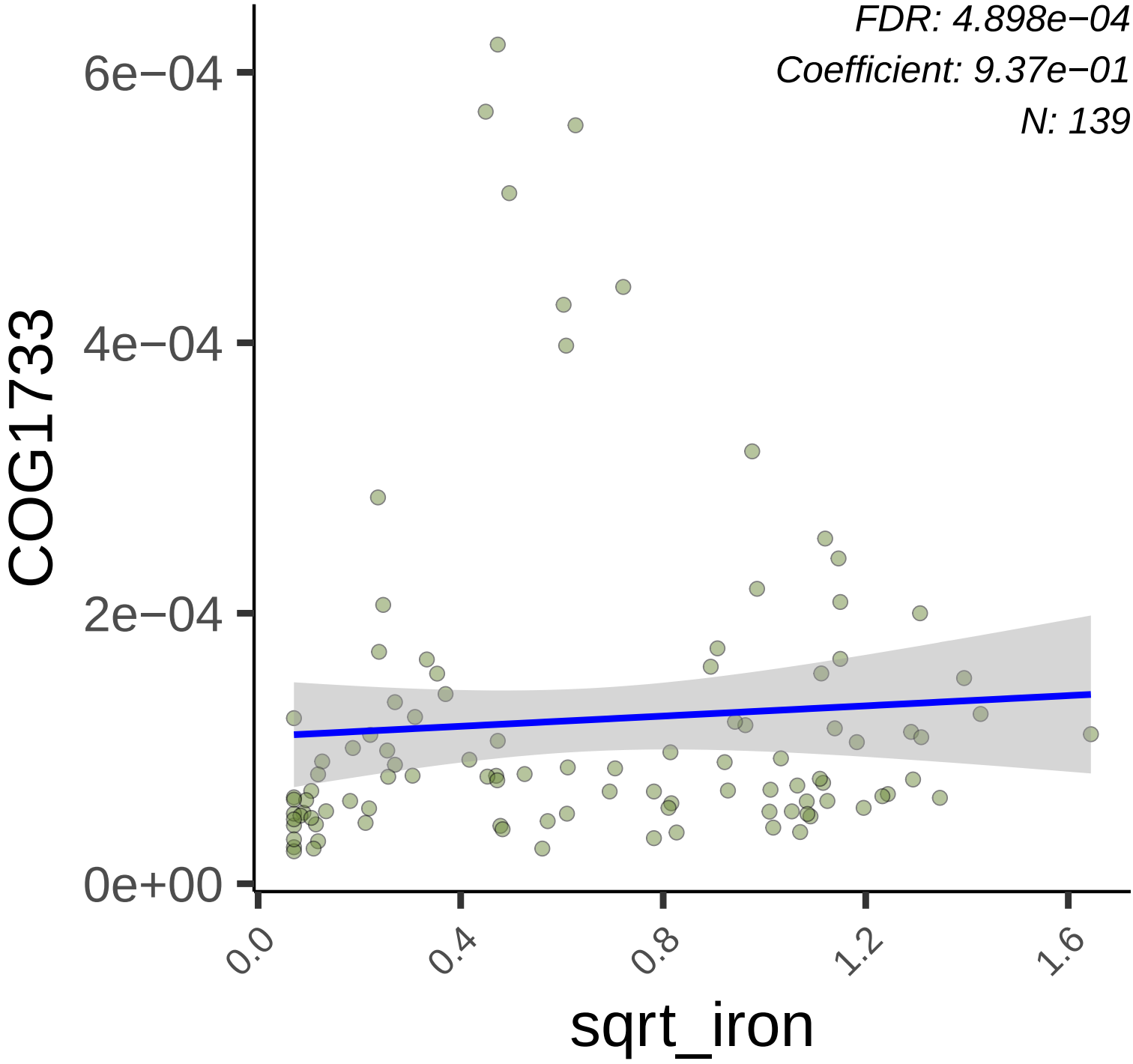
1.6
sqrt_iron


FDR: 4.898e−04
Coefficient: 9.37e−01
N: 139
COG1733
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0.4
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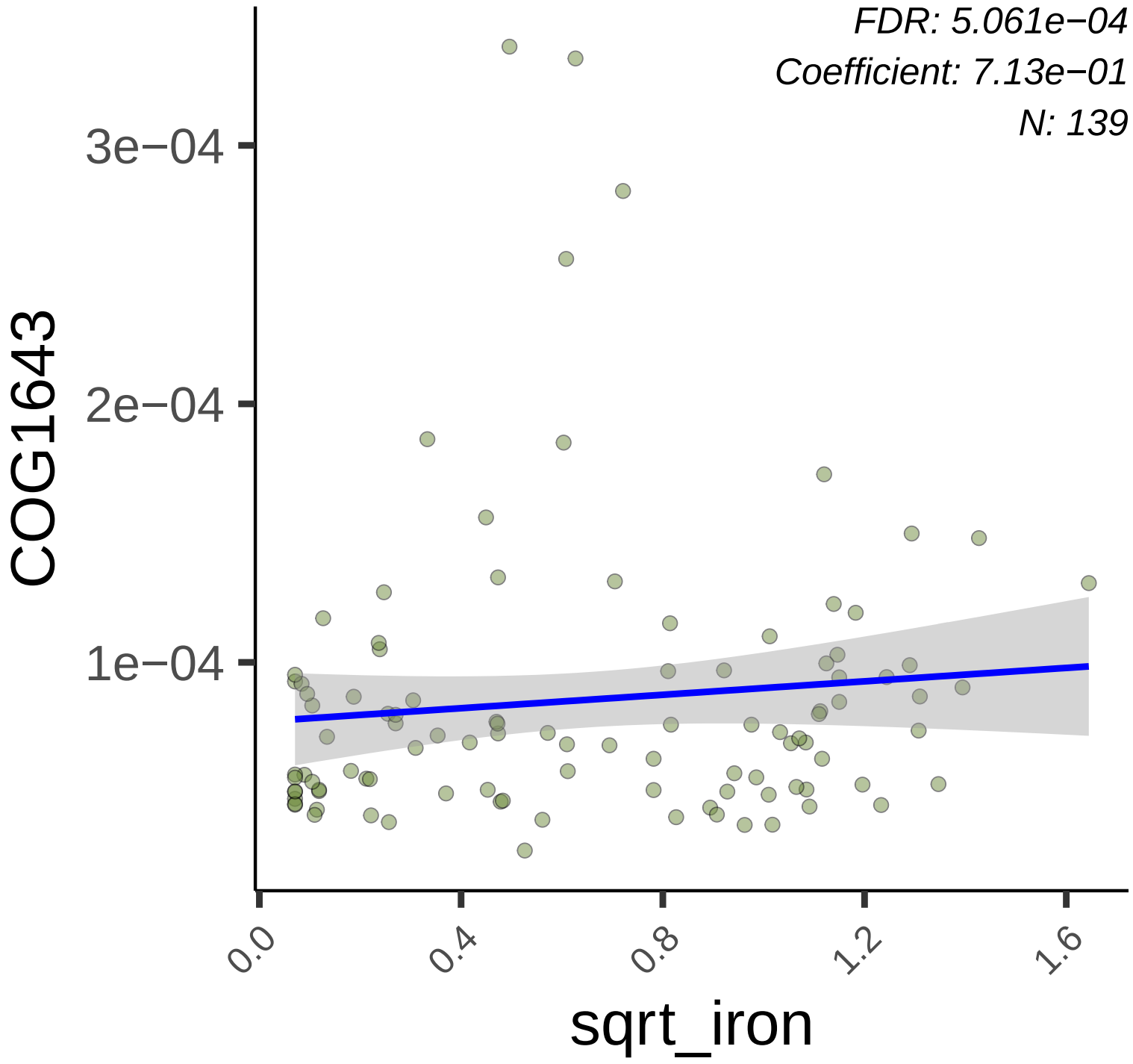
1.2
1.6
sqrt_iron


FDR: 5.061e−04
Coefficient: 7.13e−01
N: 139
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COG1643
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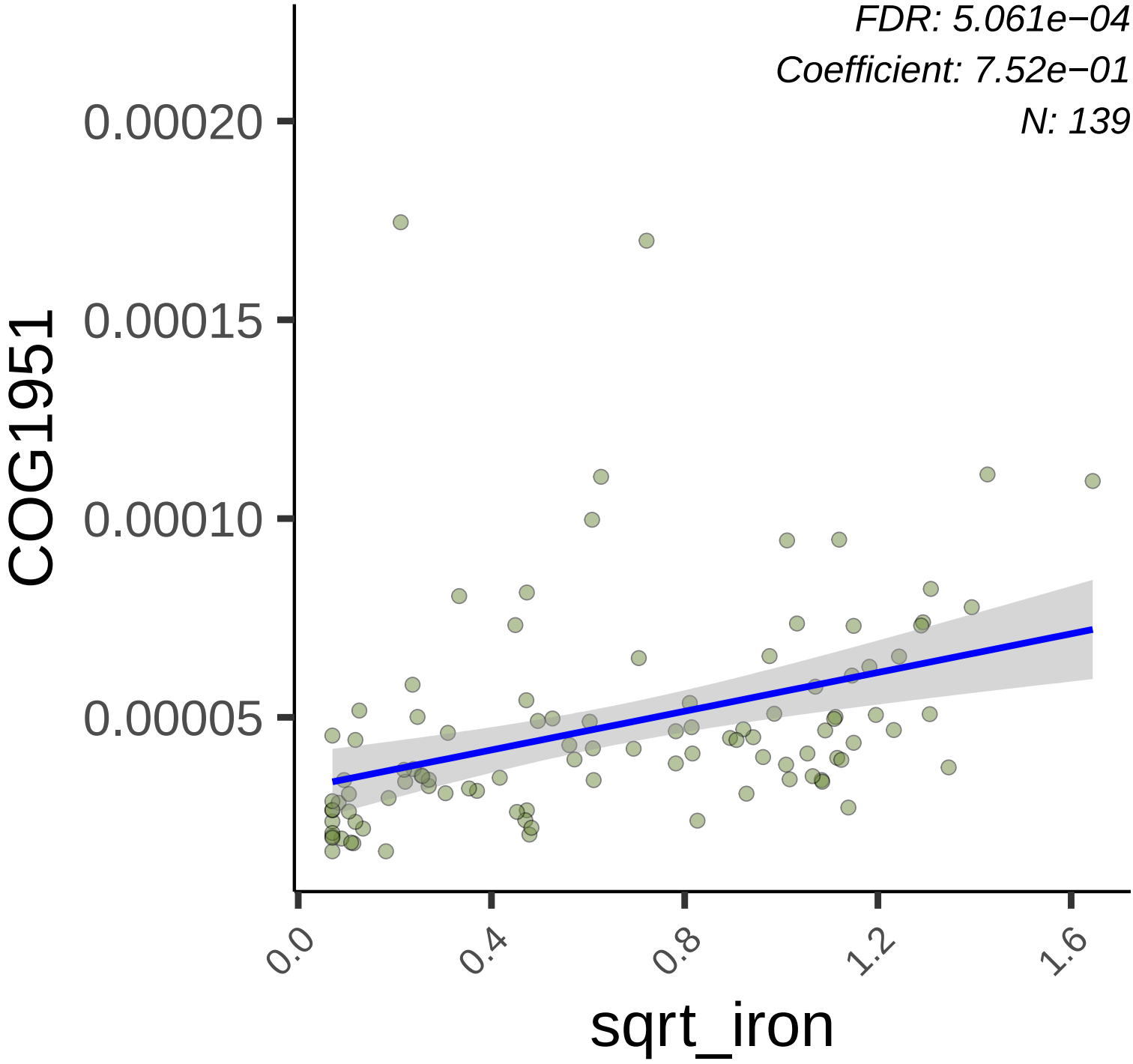
1.6
sqrt_iron


FDR: 5.061e−04
Coefficient: 7.52e−01
N: 139
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COG1951
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0.4
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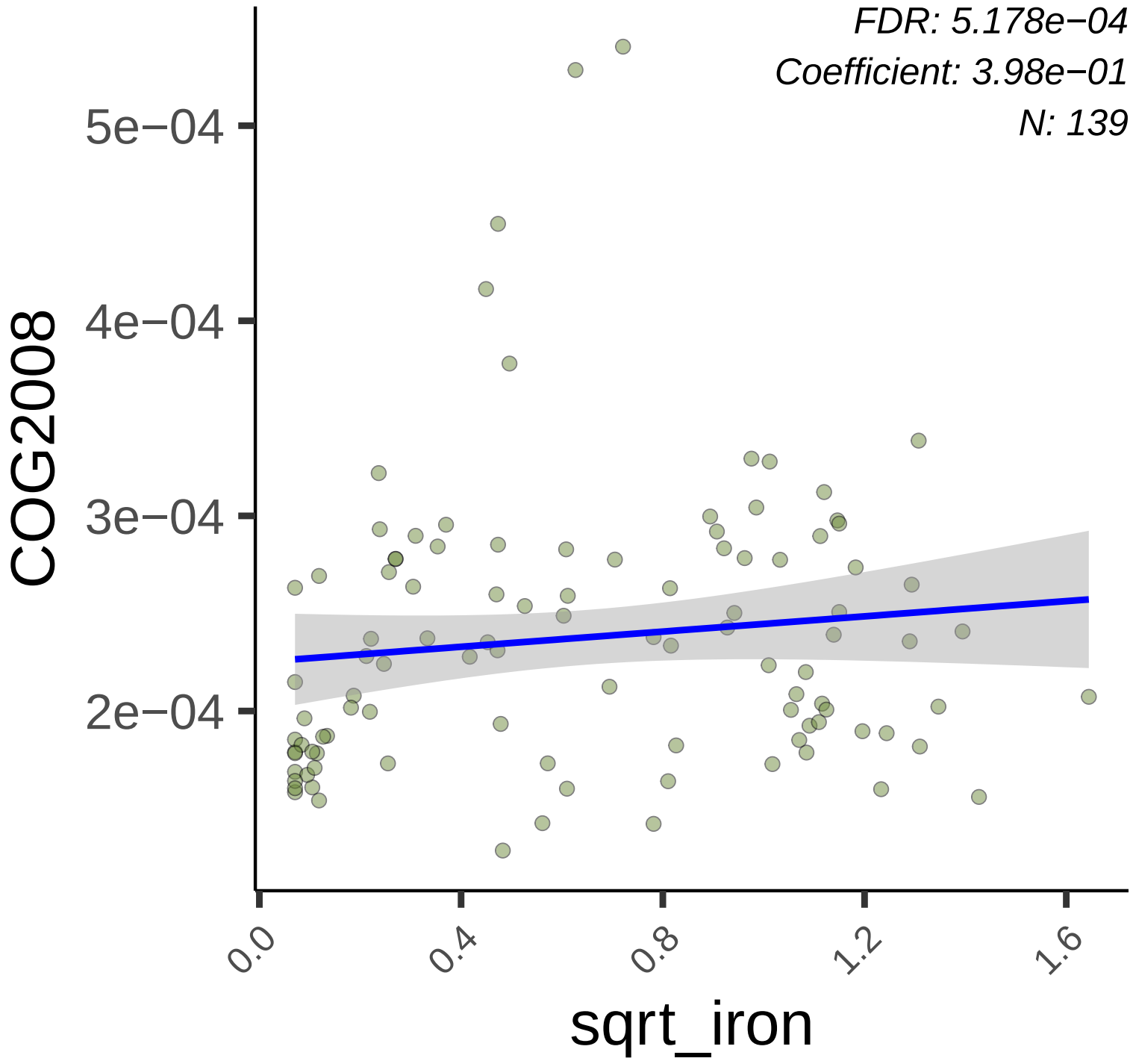
1.6
sqrt_iron


FDR: 5.178e−04
Coefficient: 3.98e−01
N: 139
COG2008
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4e−04
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0.4
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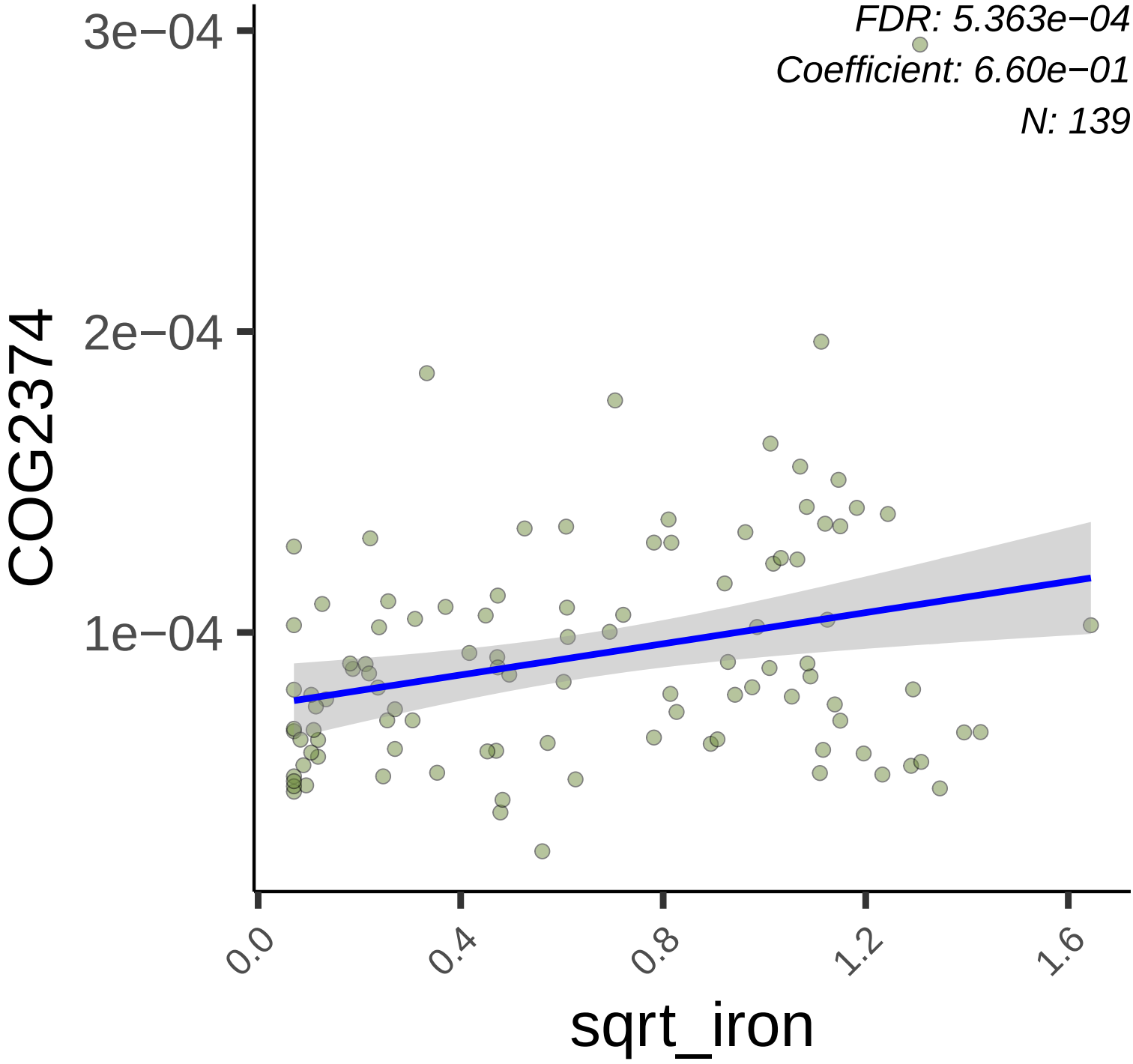
1.2
1.6
sqrt_iron


FDR: 5.363e−04
Coefficient: 6.60e−01
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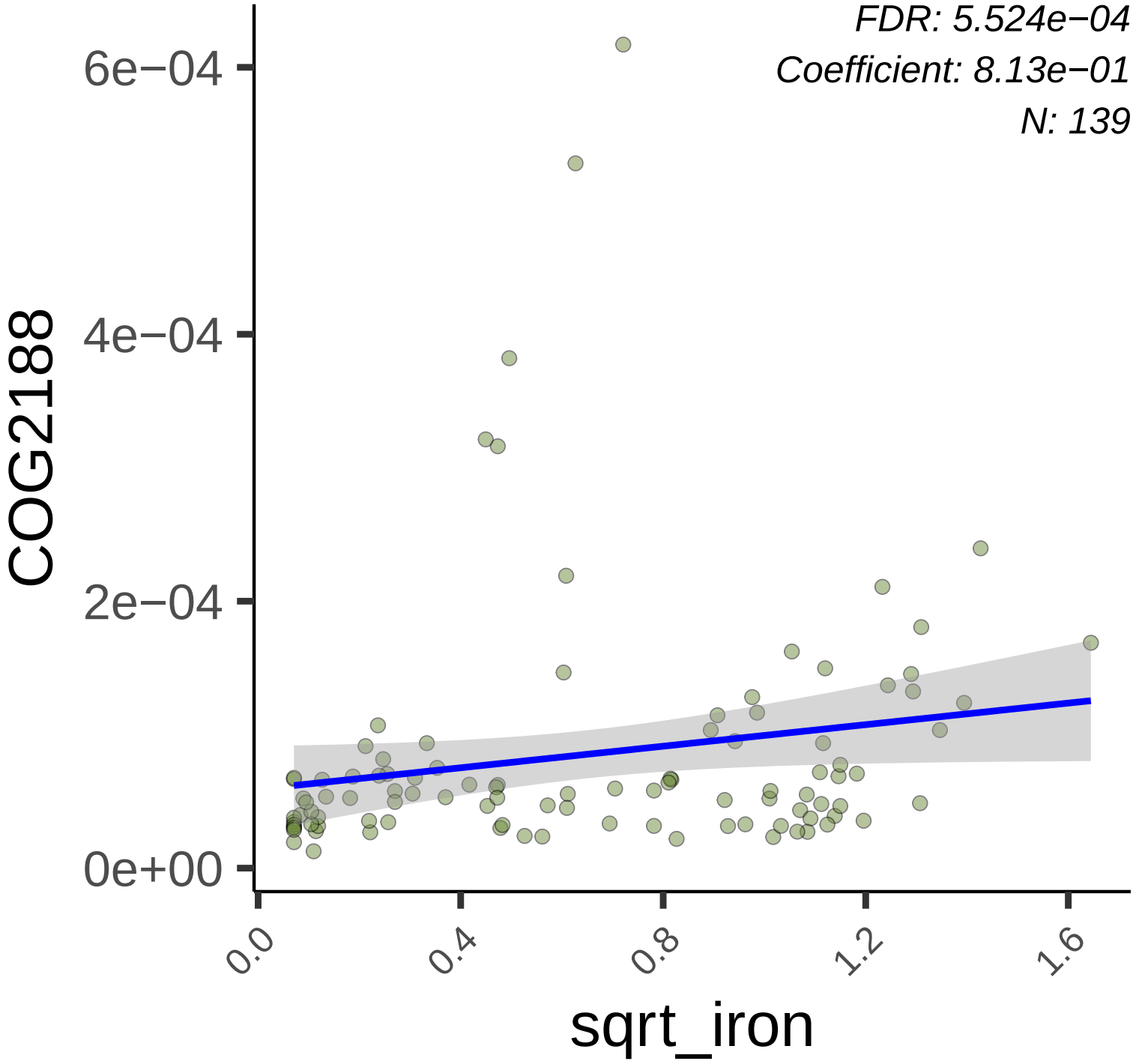
sqrt_iron


FDR: 5.524e−04
Coefficient: 8.13e−01
N: 139
COG2188
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2e−04
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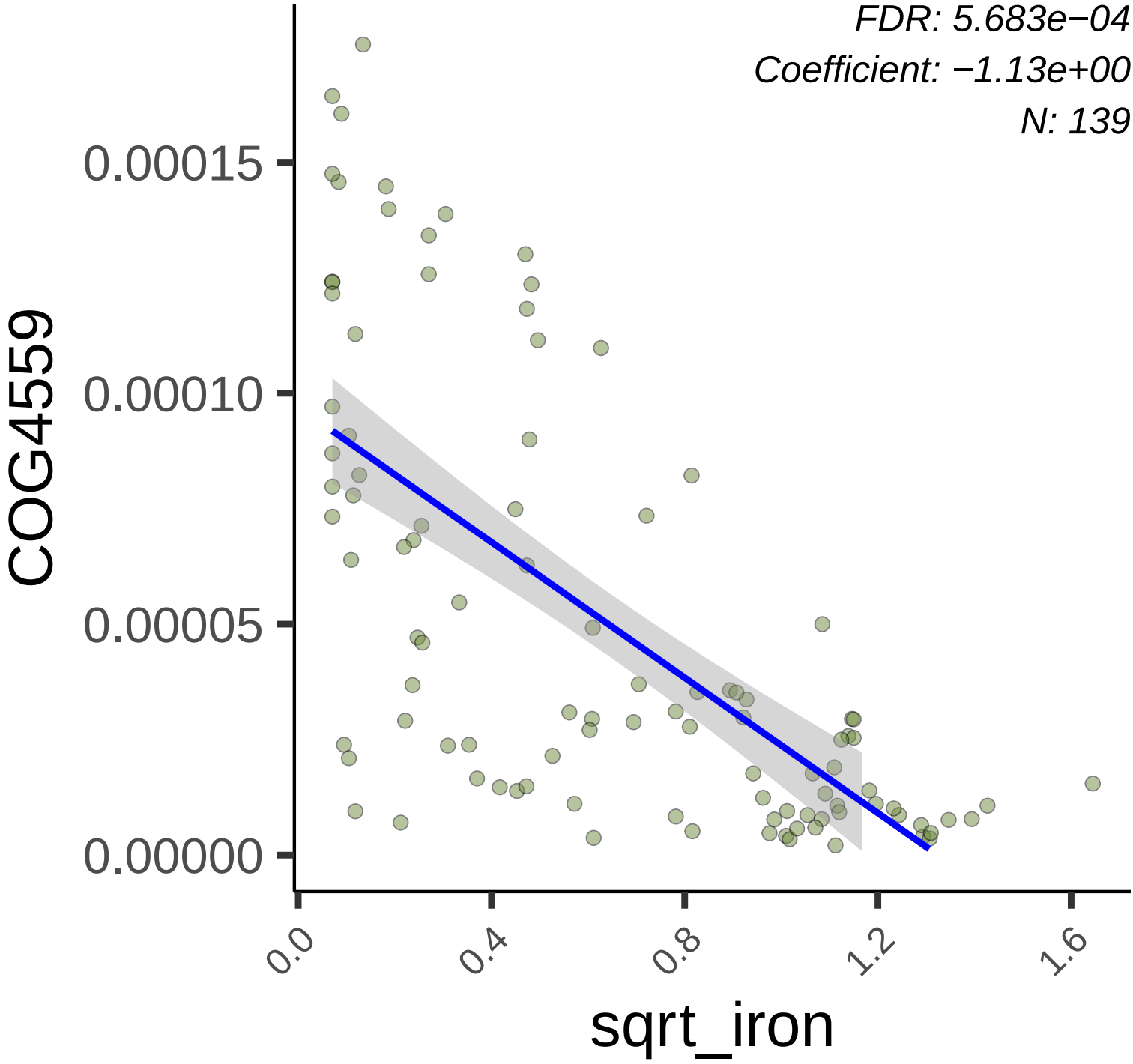
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.683e−04
Coefficient: −1.13e+00
N: 139
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0.4
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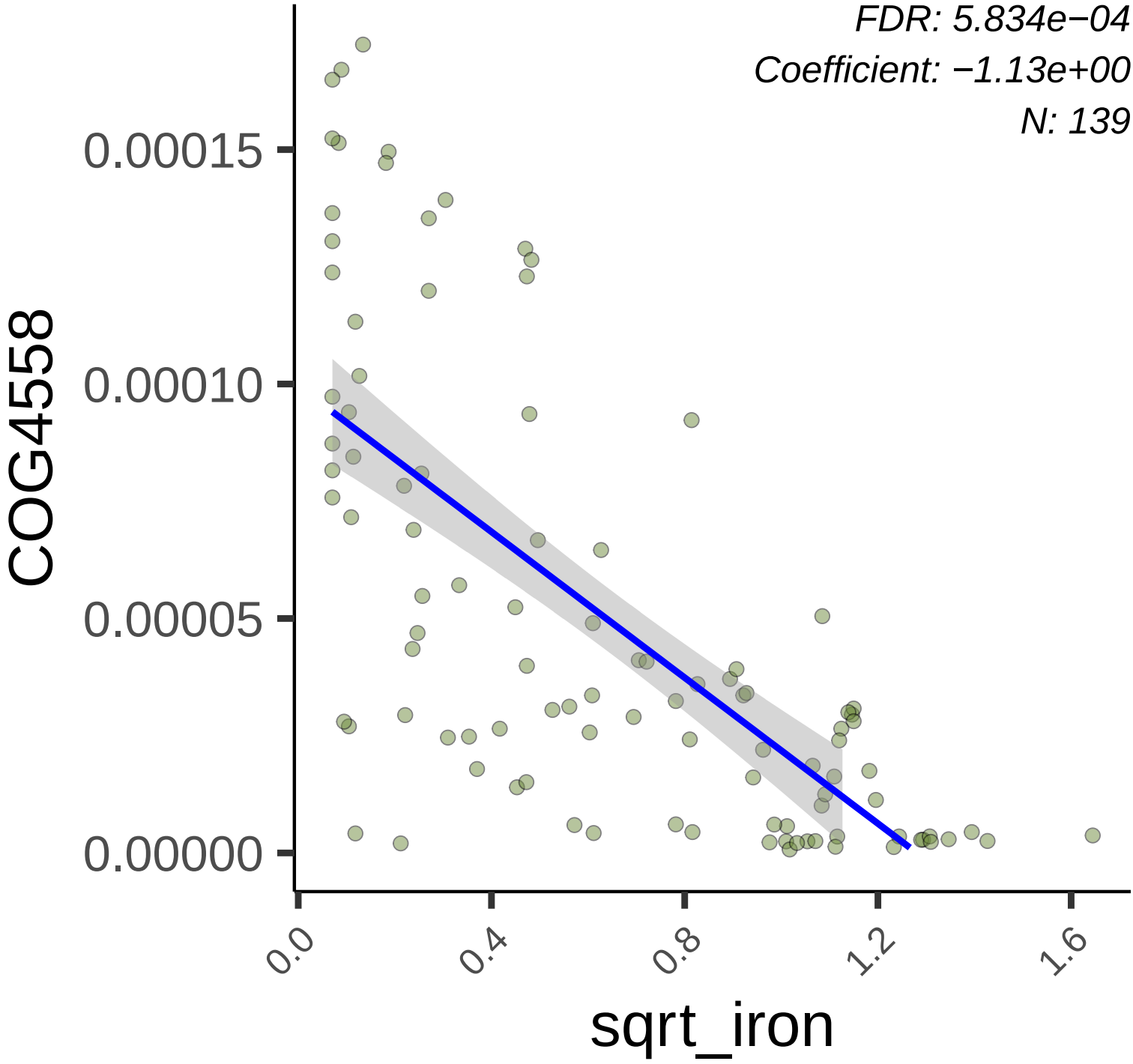
1.2
1.6
sqrt_iron


FDR: 5.834e−04
Coefficient: −1.13e+00
N: 139
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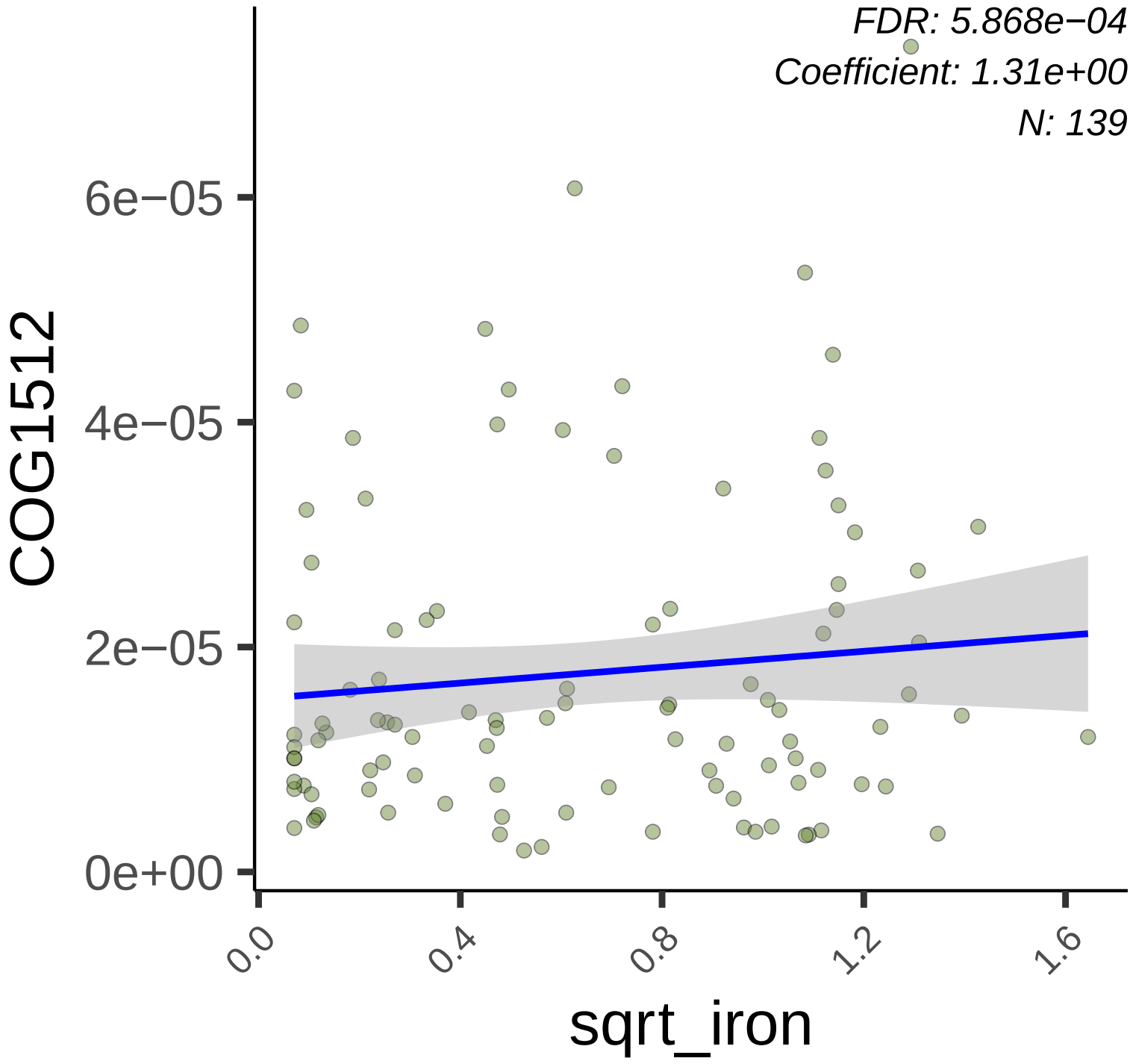
sqrt_iron


FDR: 5.868e−04
Coefficient: 1.31e+00
N: 139
COG1512
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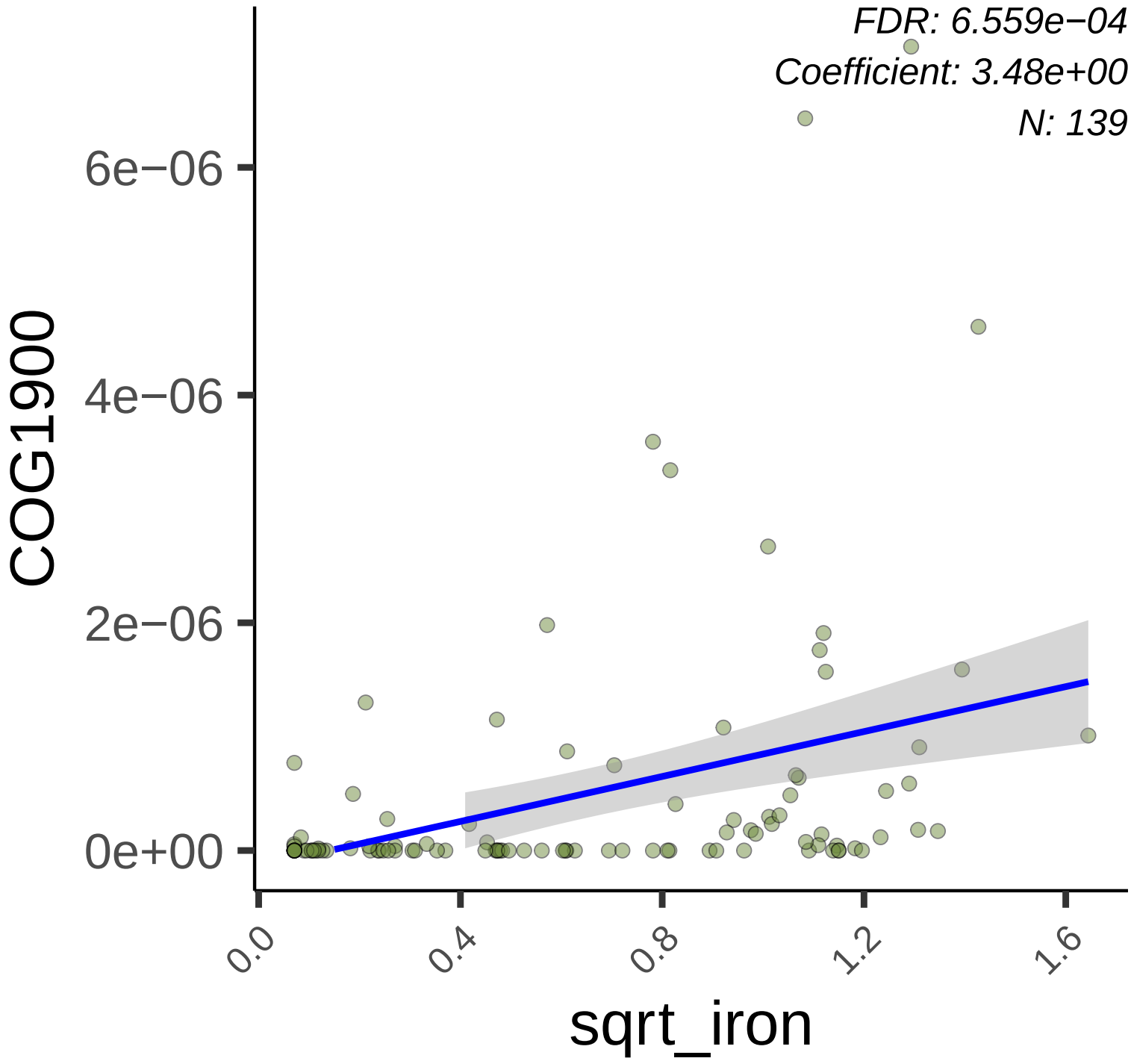
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.559e−04
Coefficient: 3.48e+00
N: 139
COG1900
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4e−06
2e−06
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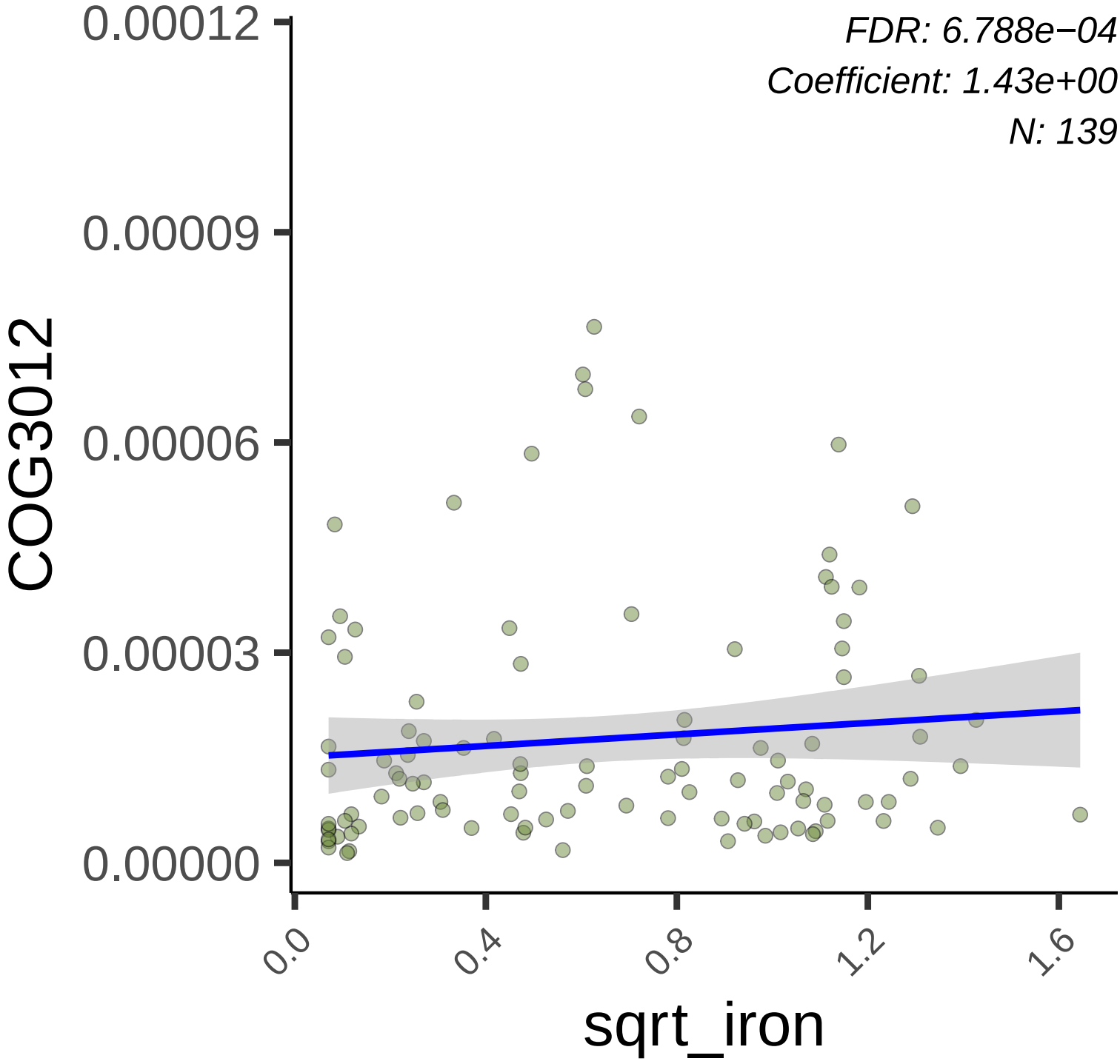
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.788e−04
Coefficient: 1.43e+00
N: 139
COG3012
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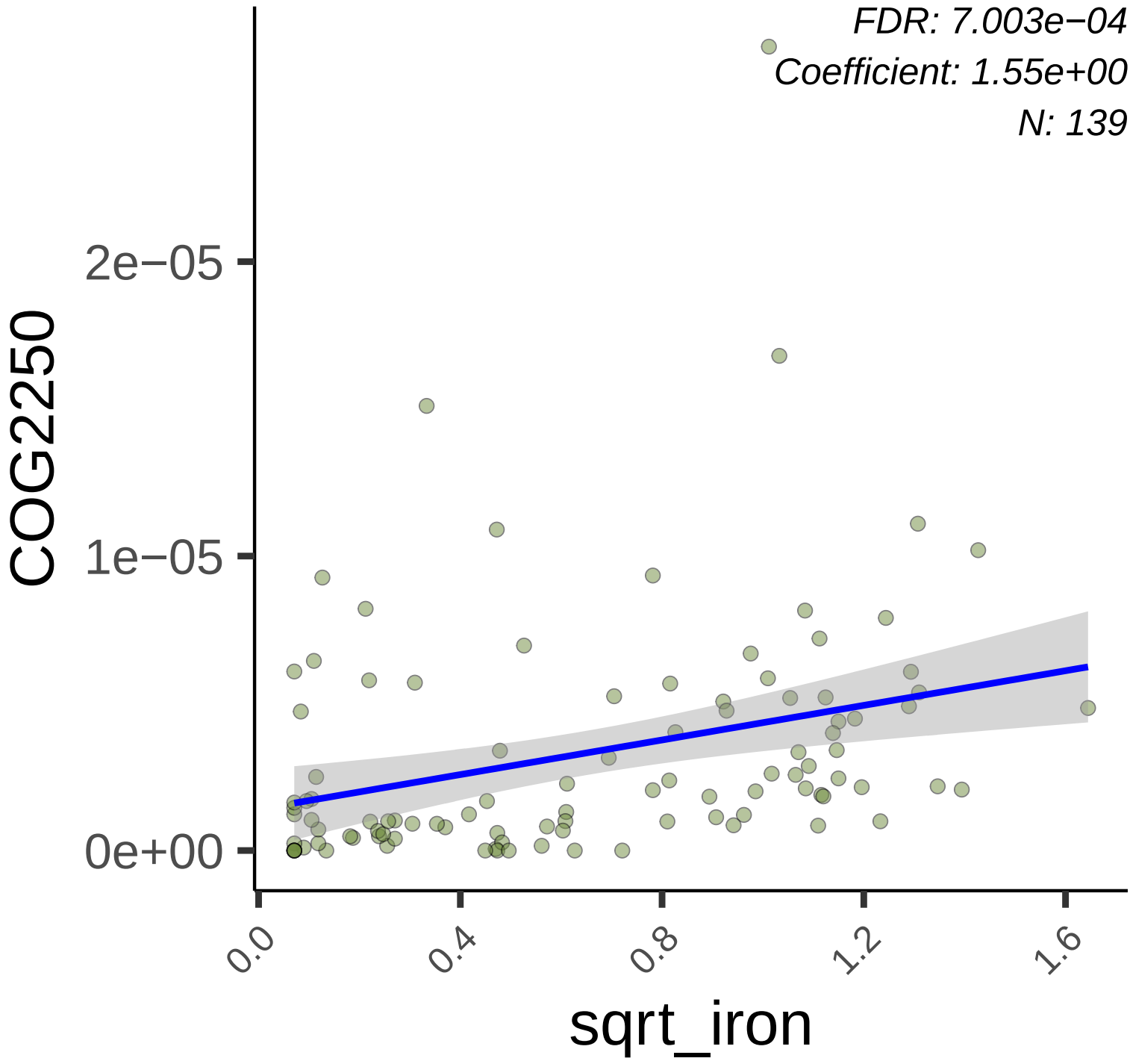
0.00006
0.00003
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 7.003e−04
Coefficient: 1.55e+00
N: 139
COG2250
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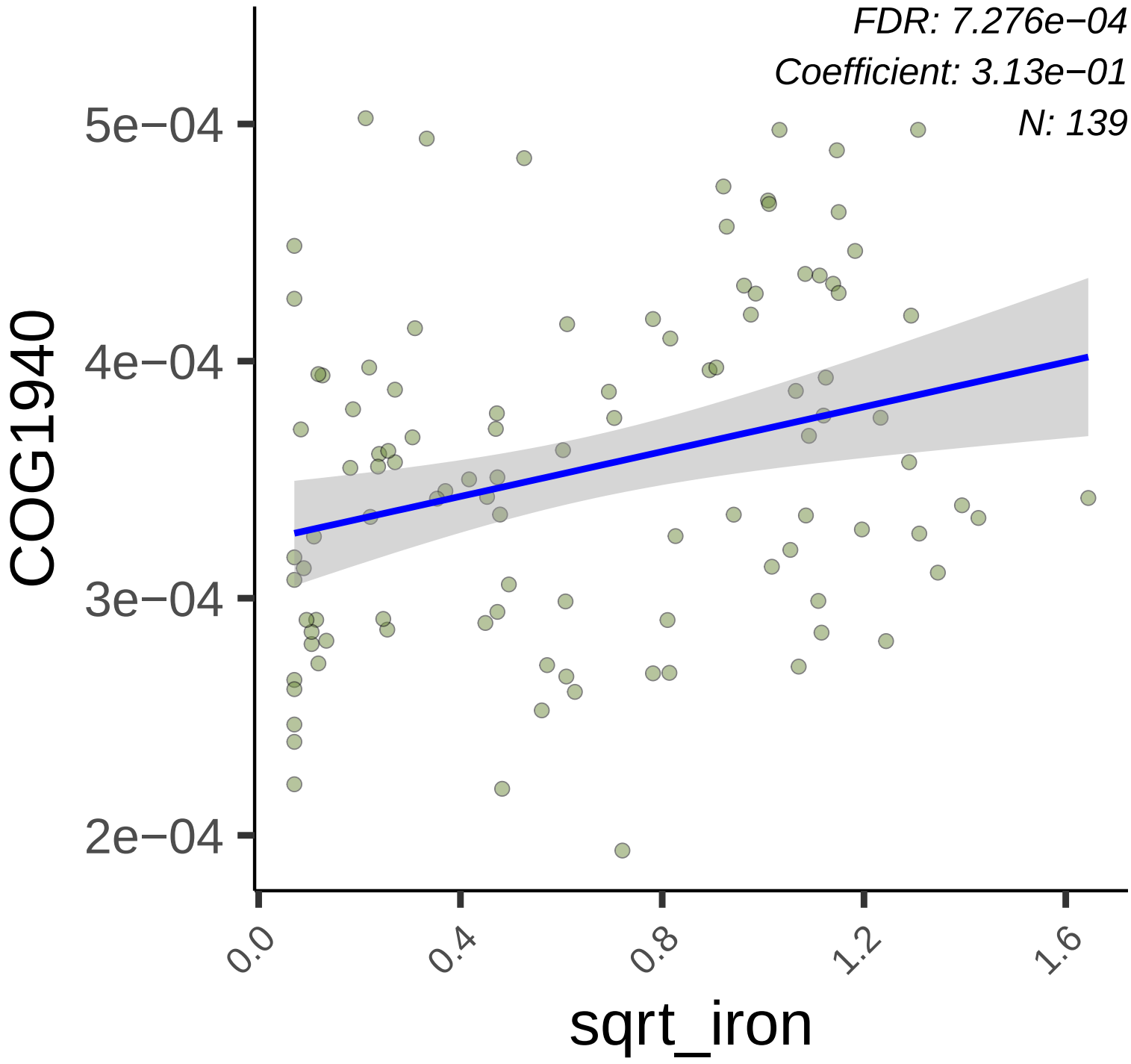
0.8
1.2
1.6
sqrt_iron


FDR: 7.276e−04
Coefficient: 3.13e−01
N: 139
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4e−04
3e−04
2e−04
COG1940
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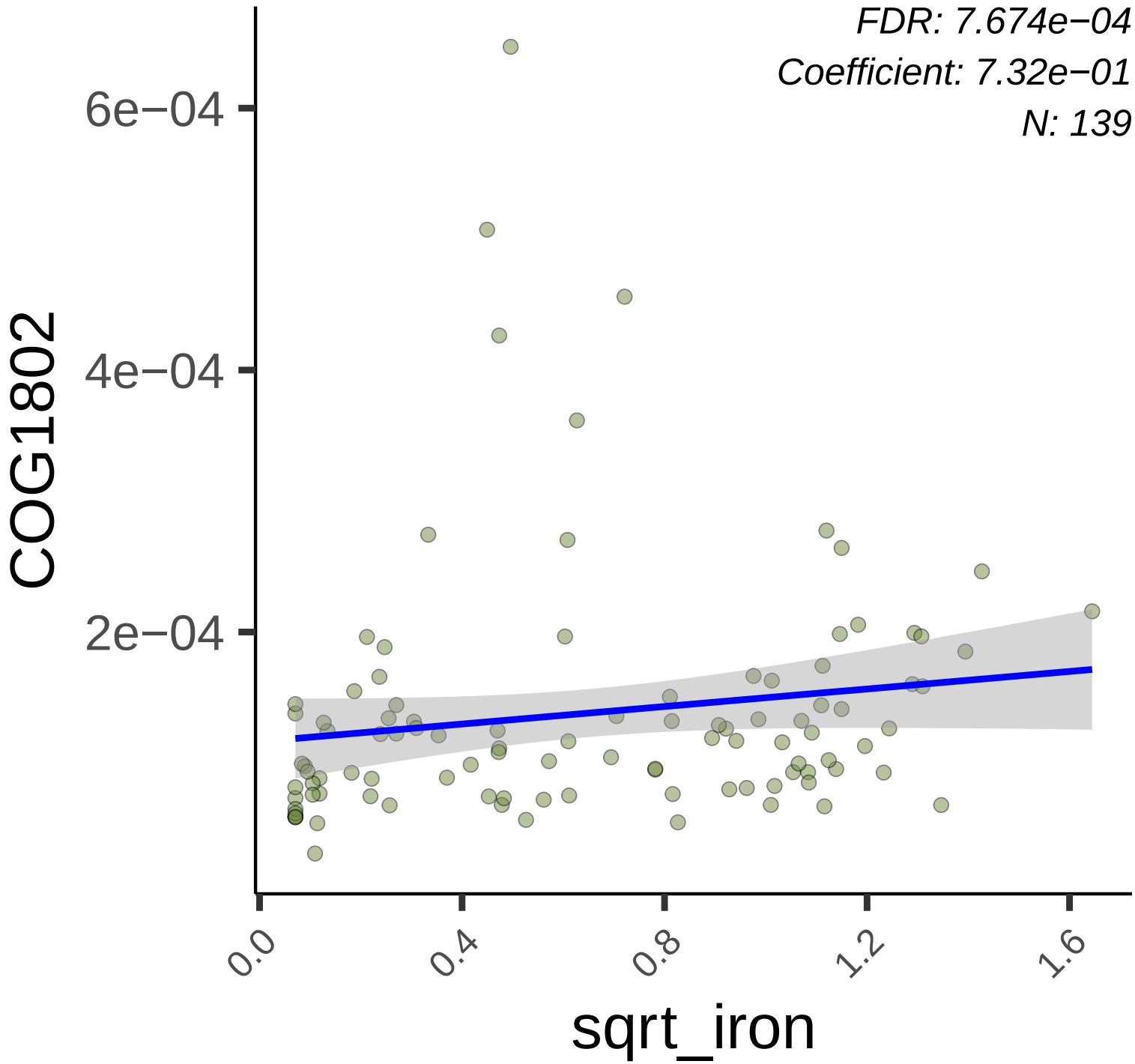
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 7.674e−04
Coefficient: 7.32e−01
N: 139
COG1802
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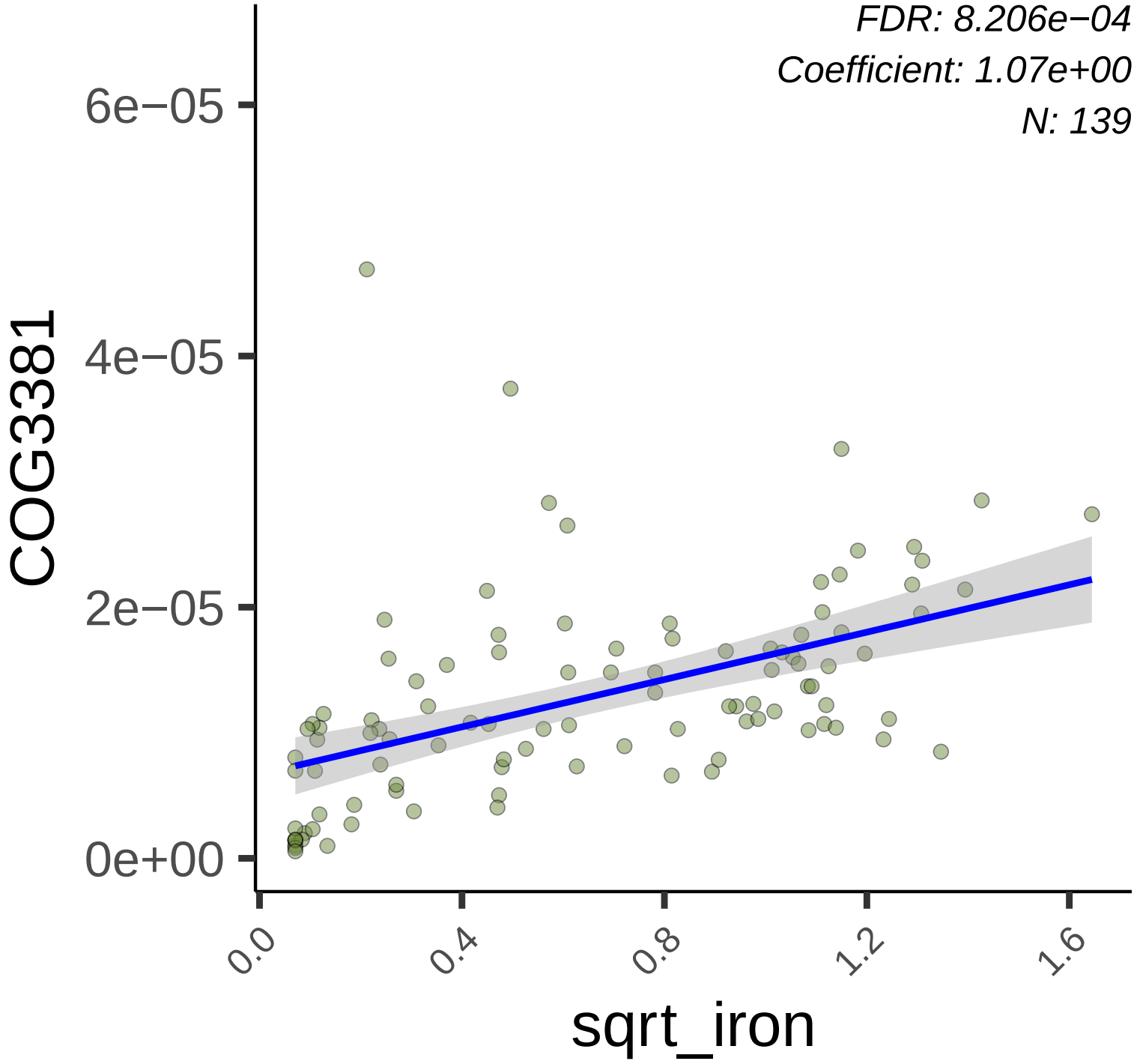
4e−04
2e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.206e−04
Coefficient: 1.07e+00
N: 139
COG3381
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4e−05
2e−05
0e+00
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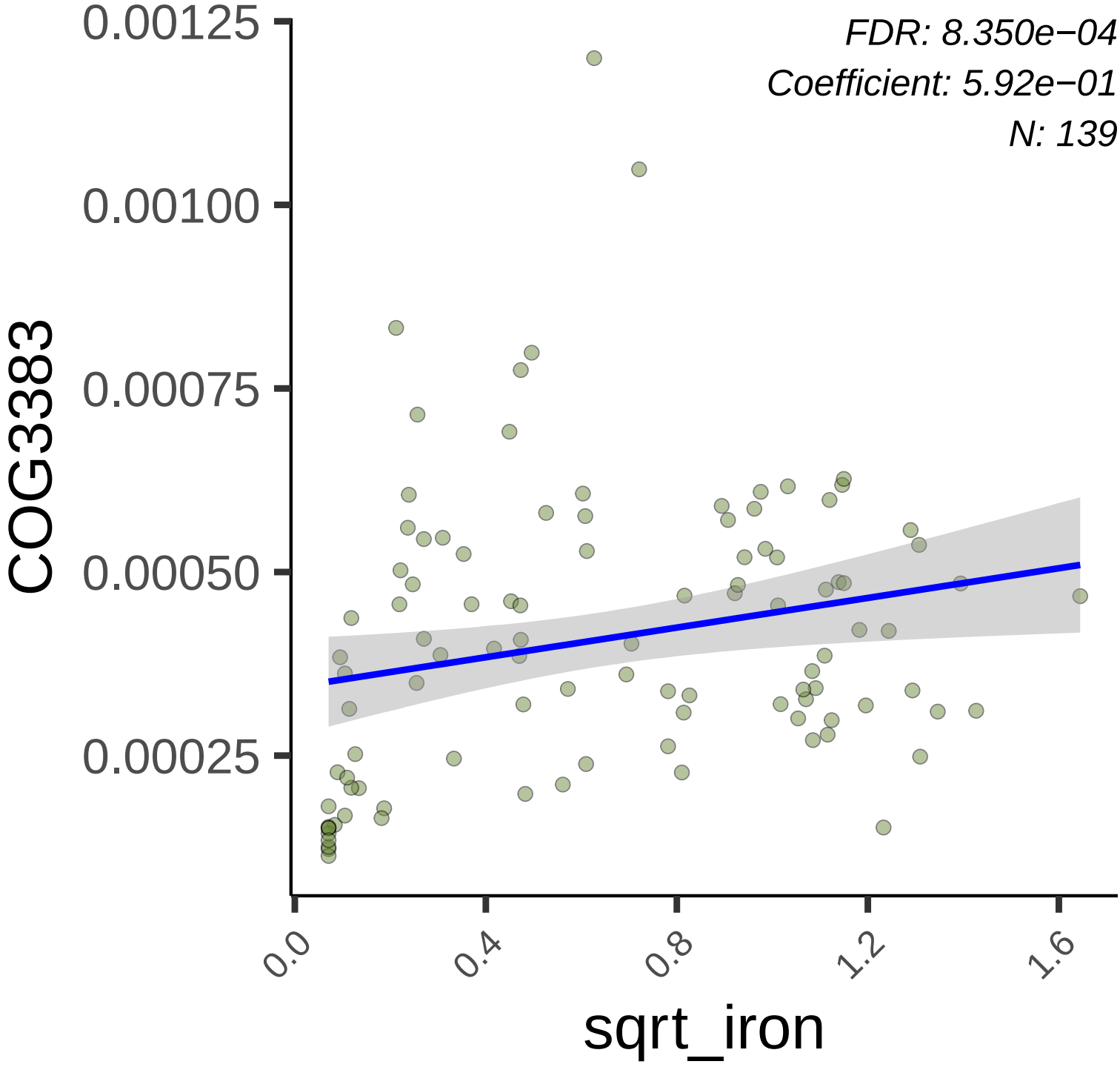
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.350e−04
Coefficient: 5.92e−01
N: 139
COG3383
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0.00075
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0.00025
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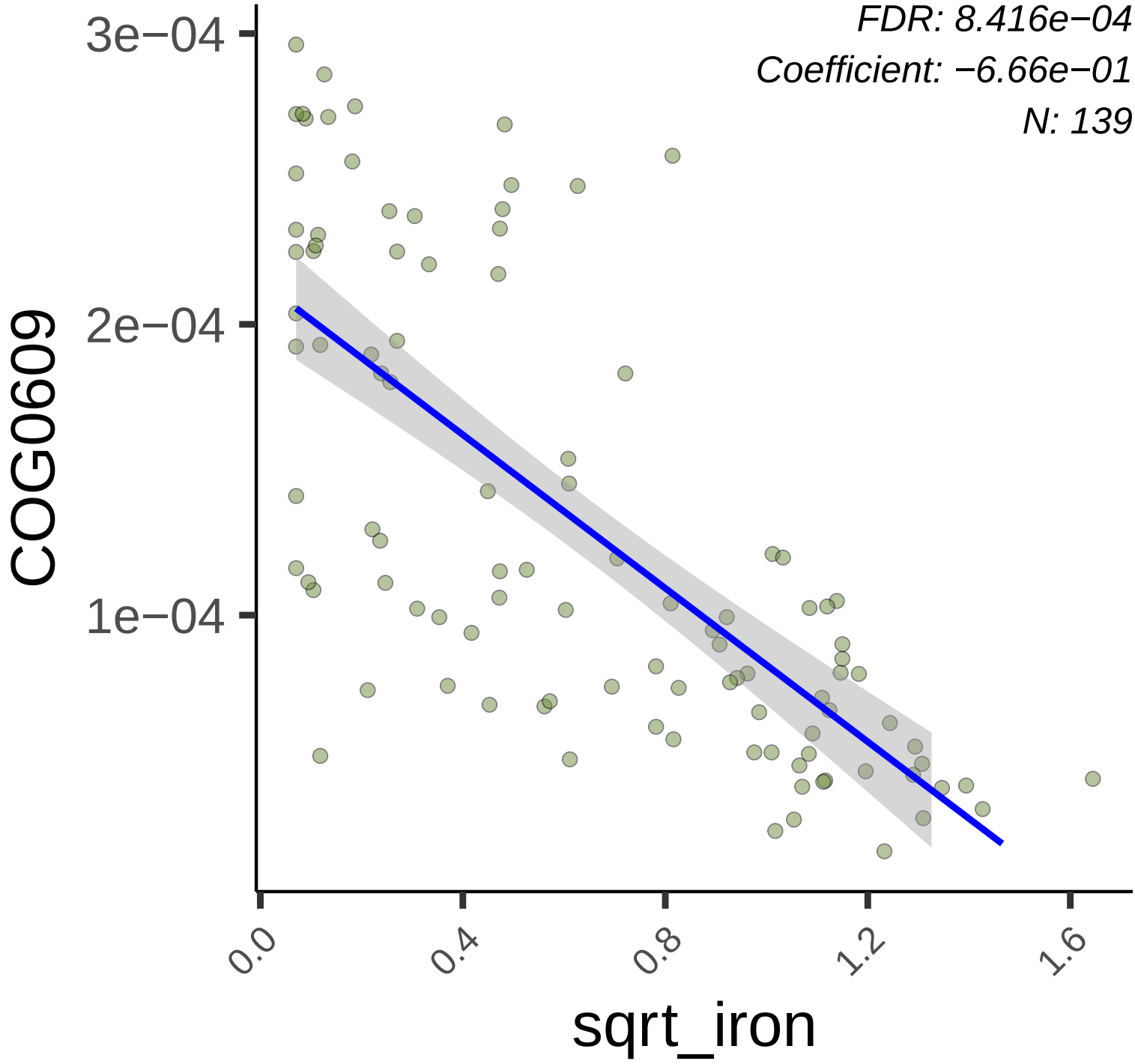
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.416e−04
Coefficient: −6.66e−01
N: 139
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2e−04
1e−04
COG0609
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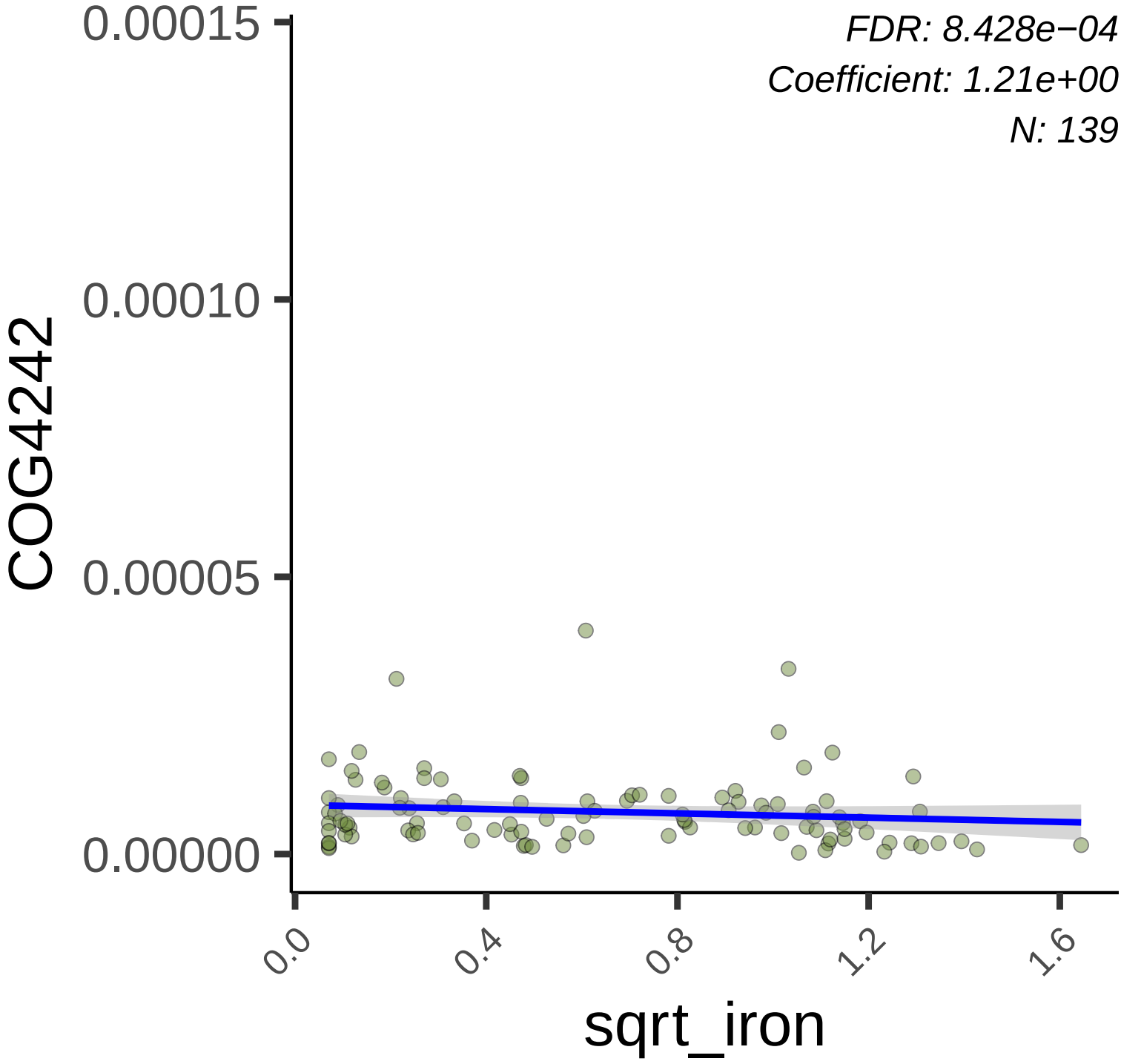
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.428e−04
Coefficient: 1.21e+00
N: 139
COG4242
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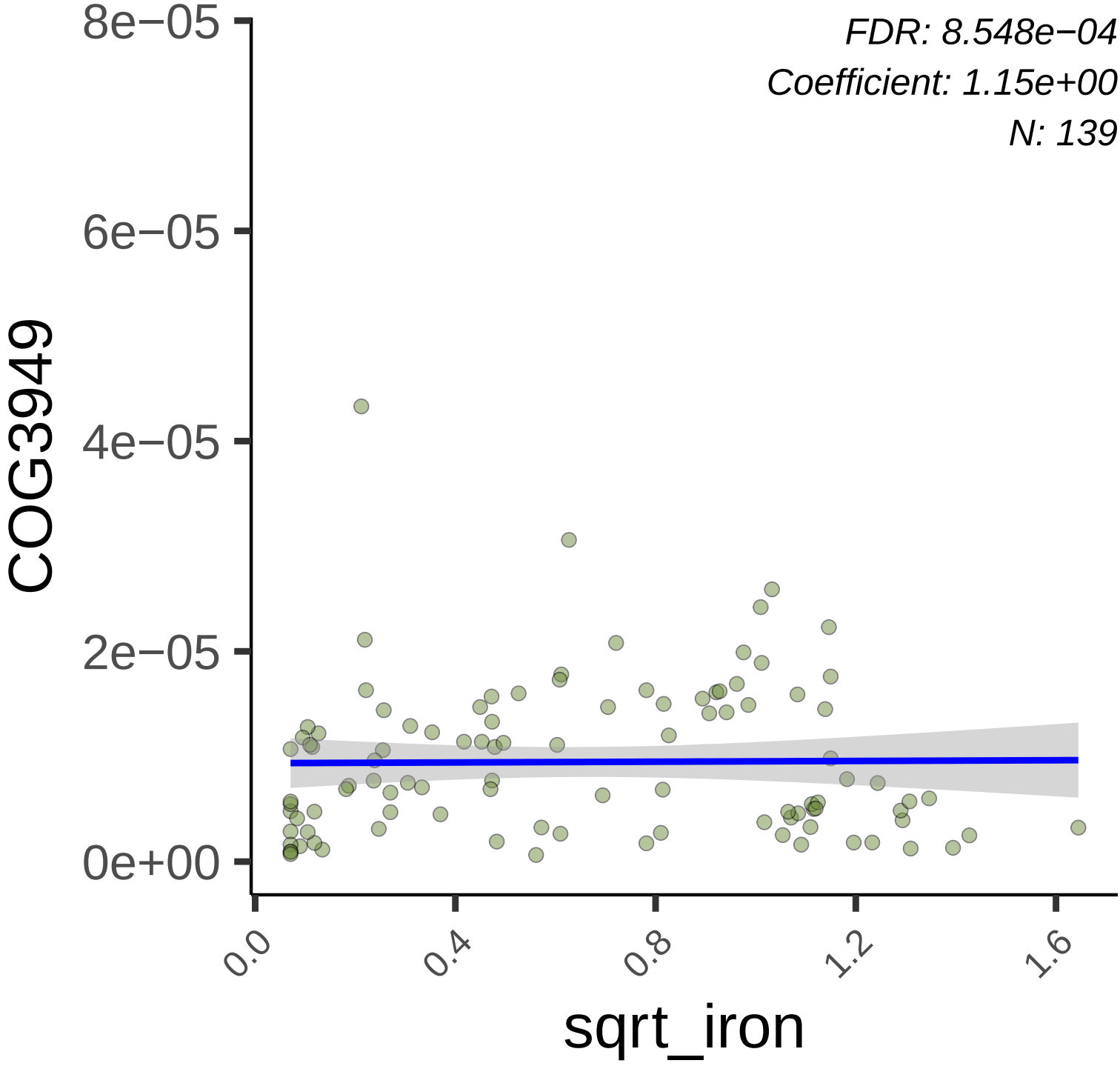
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.548e−04
Coefficient: 1.15e+00
N: 139
COG3949
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6e−05
4e−05
2e−05
0e+00
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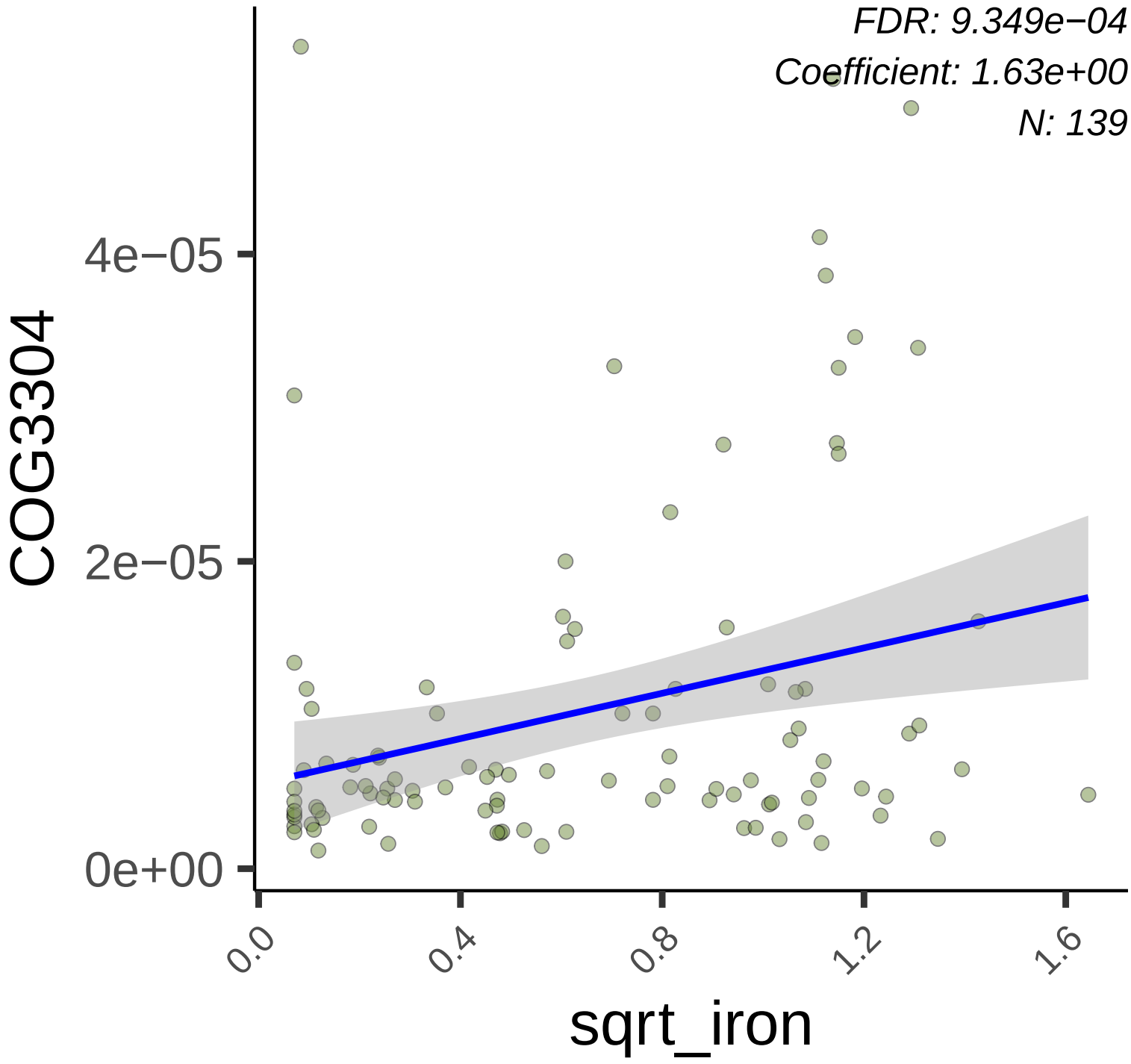
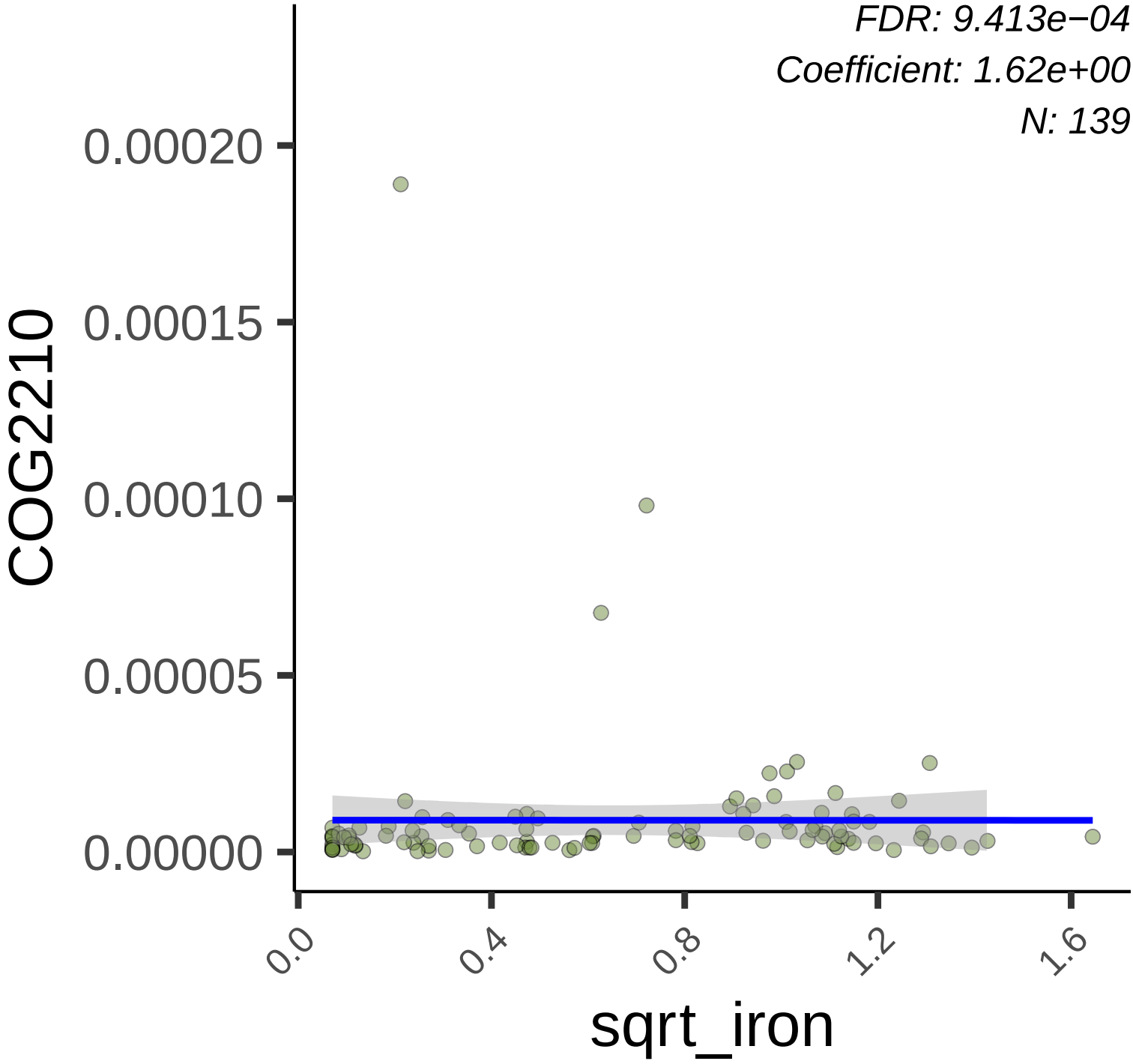
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.349e−04
Coefficient: 1.63e+00
N: 139
COG3304
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.413e−04
Coefficient: 1.62e+00
N: 139
COG2210
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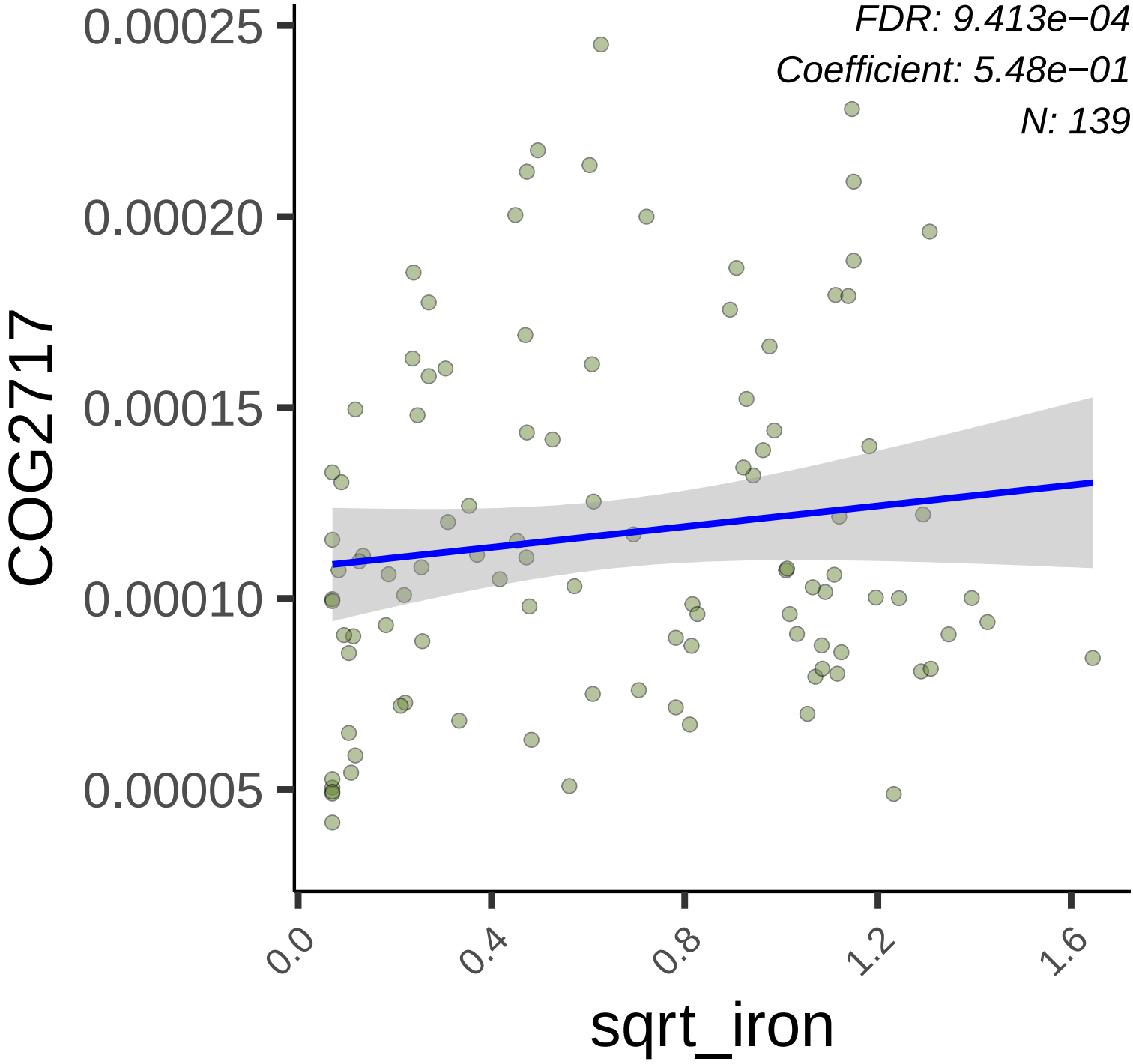
0.8
1.2
1.6
sqrt_iron


FDR: 9.413e−04
Coefficient: 5.48e−01
N: 139
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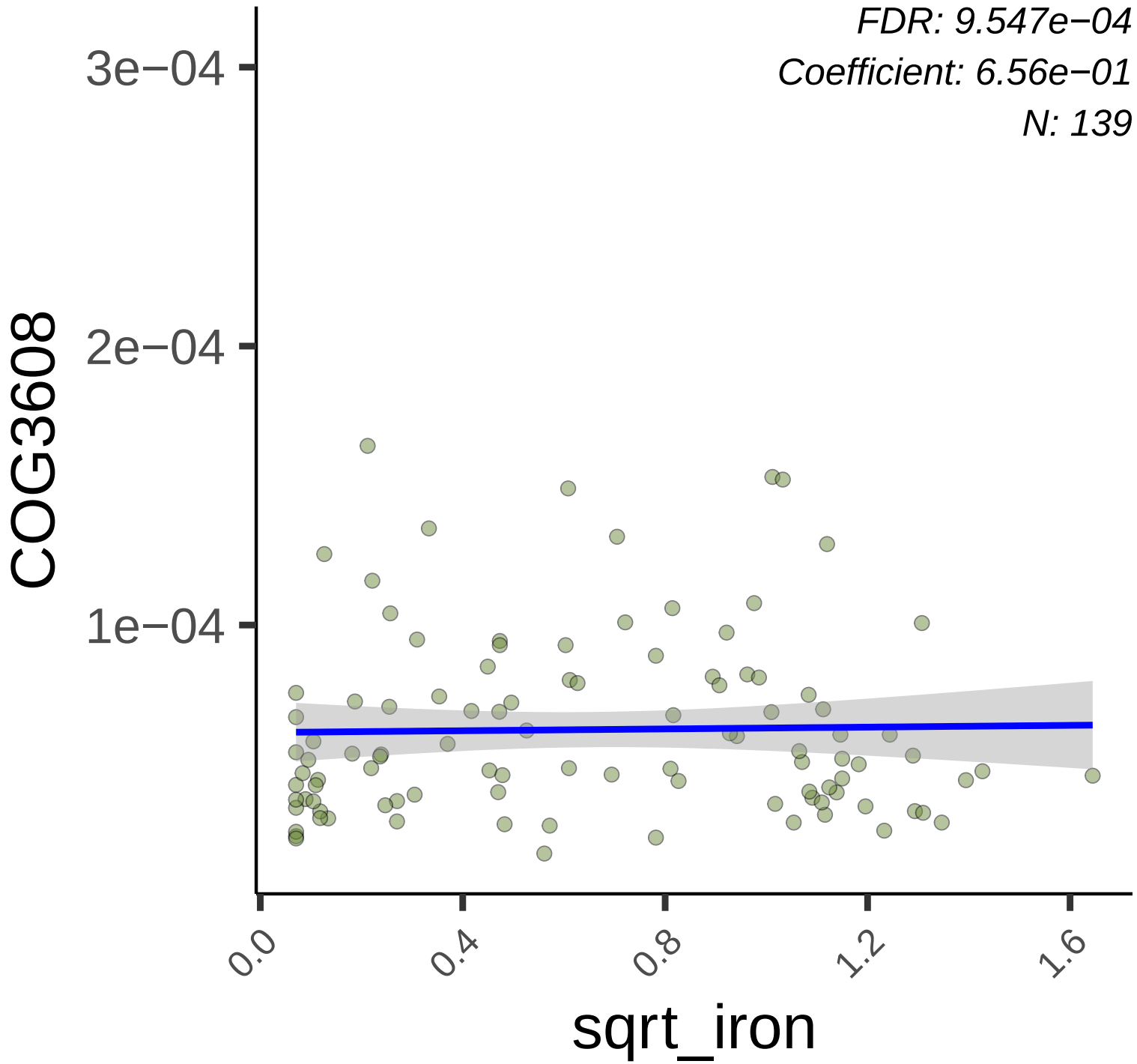
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.547e−04
Coefficient: 6.56e−01
N: 139
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2e−04
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COG3608
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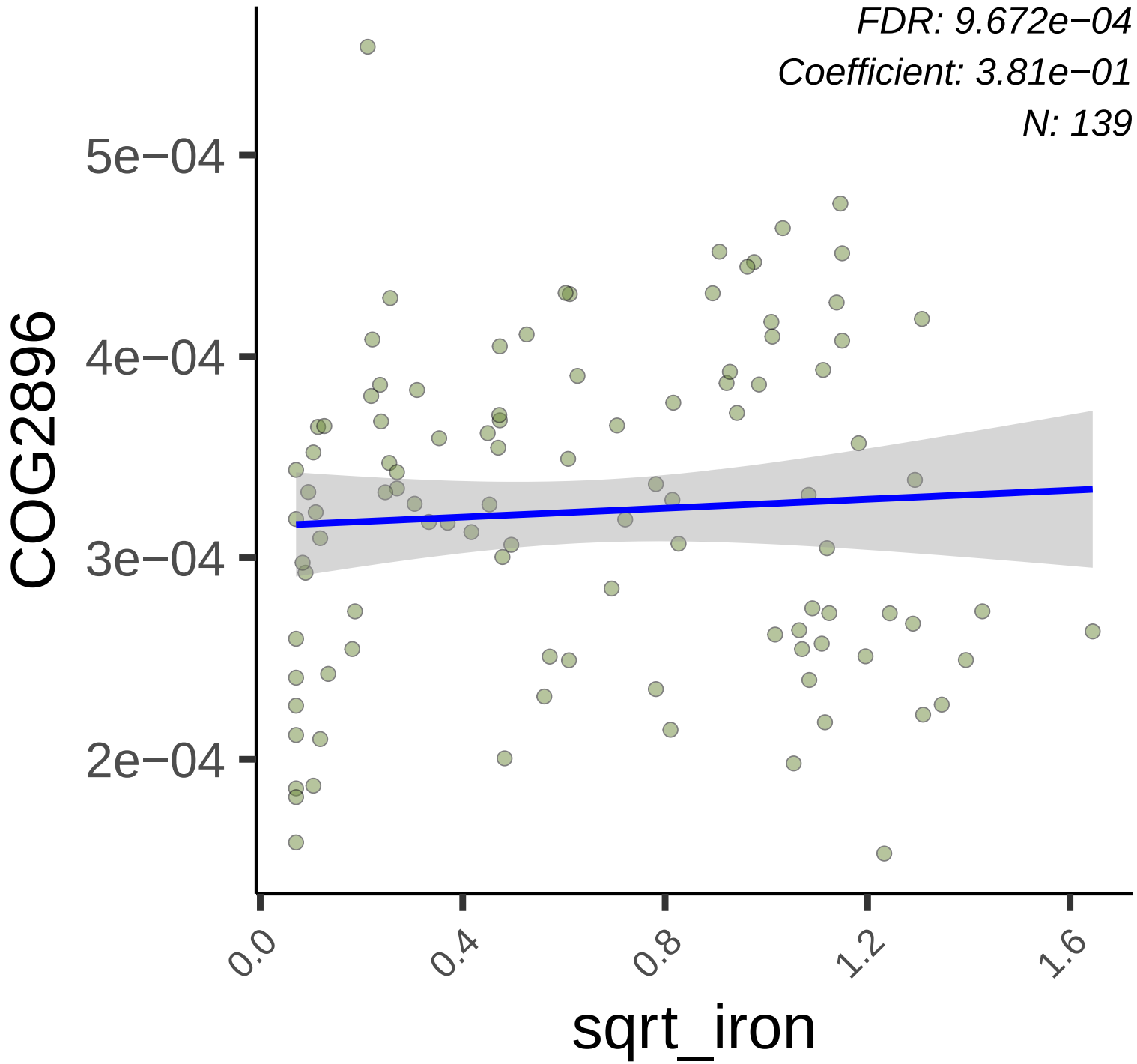
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.672e−04
Coefficient: 3.81e−01
N: 139
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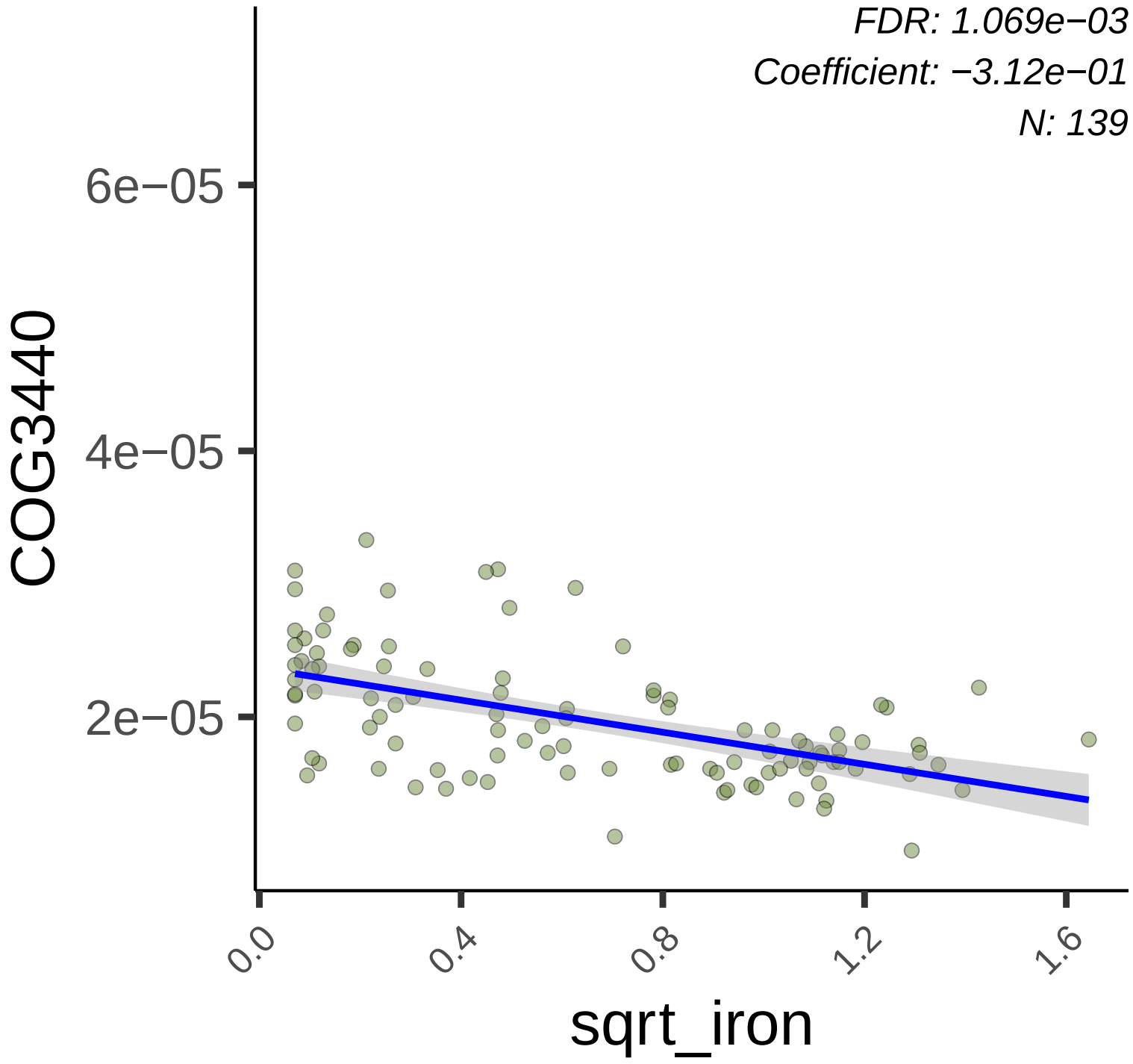
1.2
1.6
sqrt_iron


FDR: 1.069e−03
Coefficient: −3.12e−01
N: 139
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4e−05
2e−05
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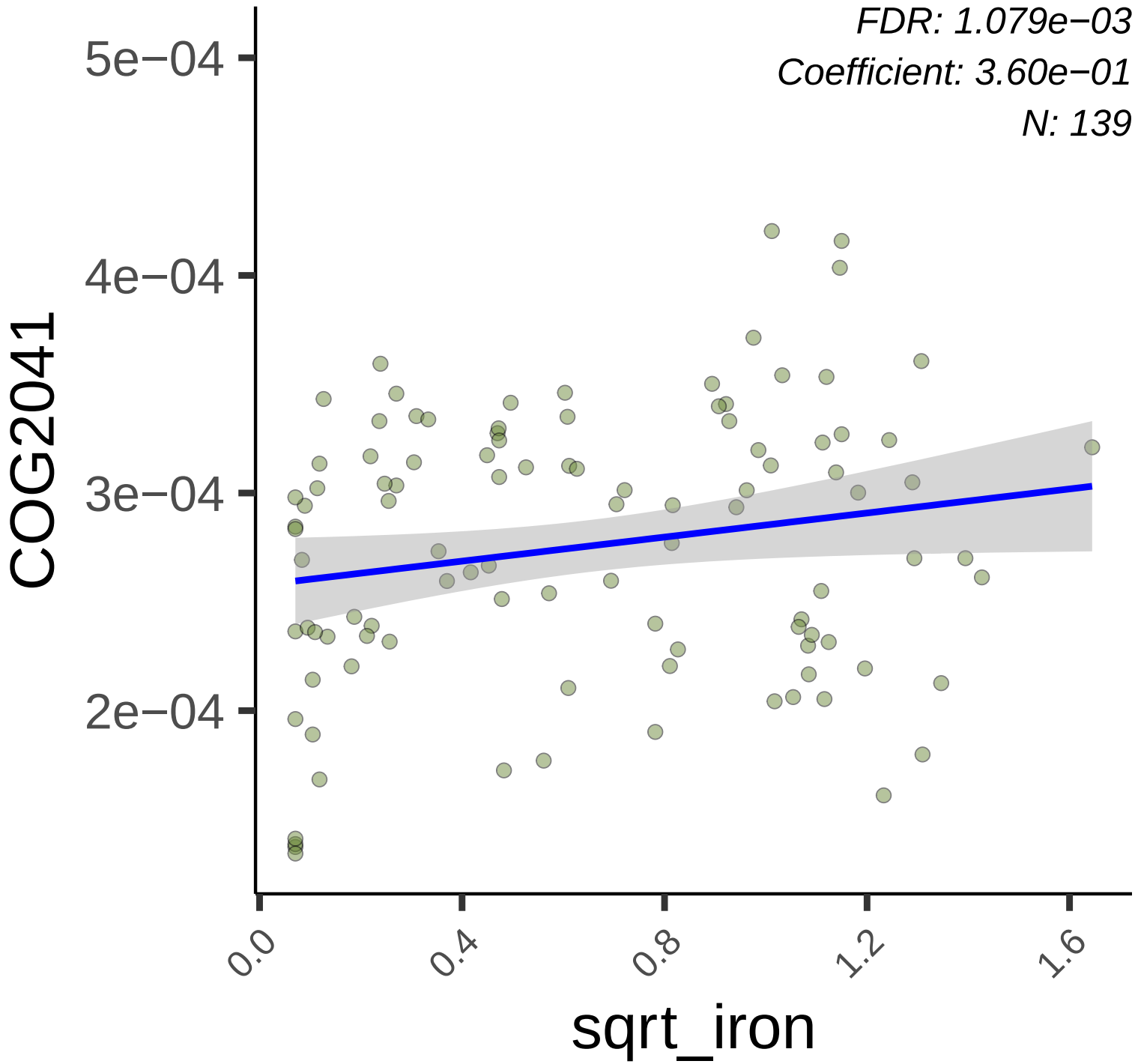
1.6
sqrt_iron


FDR: 1.079e−03
Coefficient: 3.60e−01
N: 139
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3e−04
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COG2041
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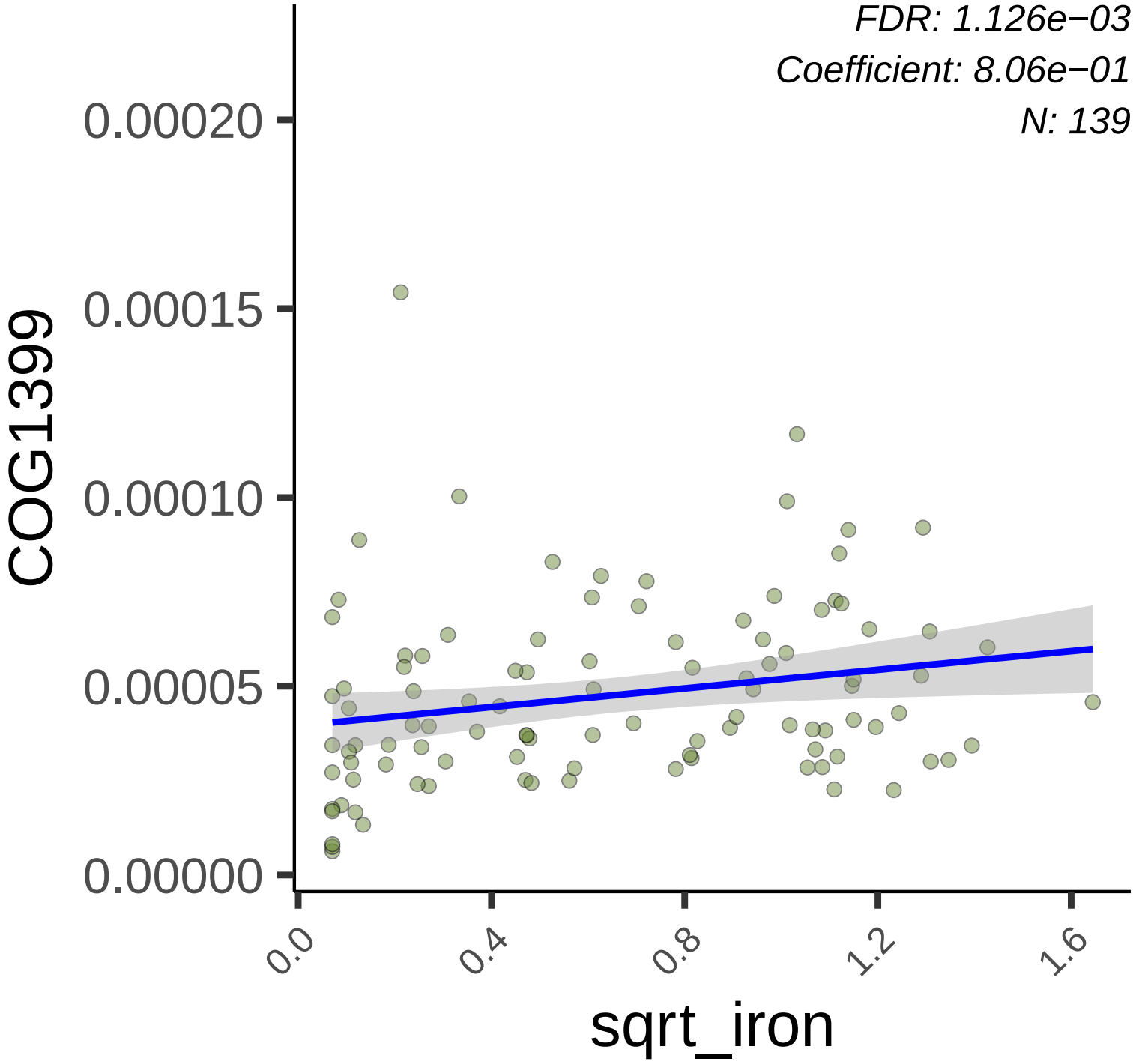
sqrt_iron


FDR: 1.126e−03
Coefficient: 8.06e−01
N: 139
COG1399
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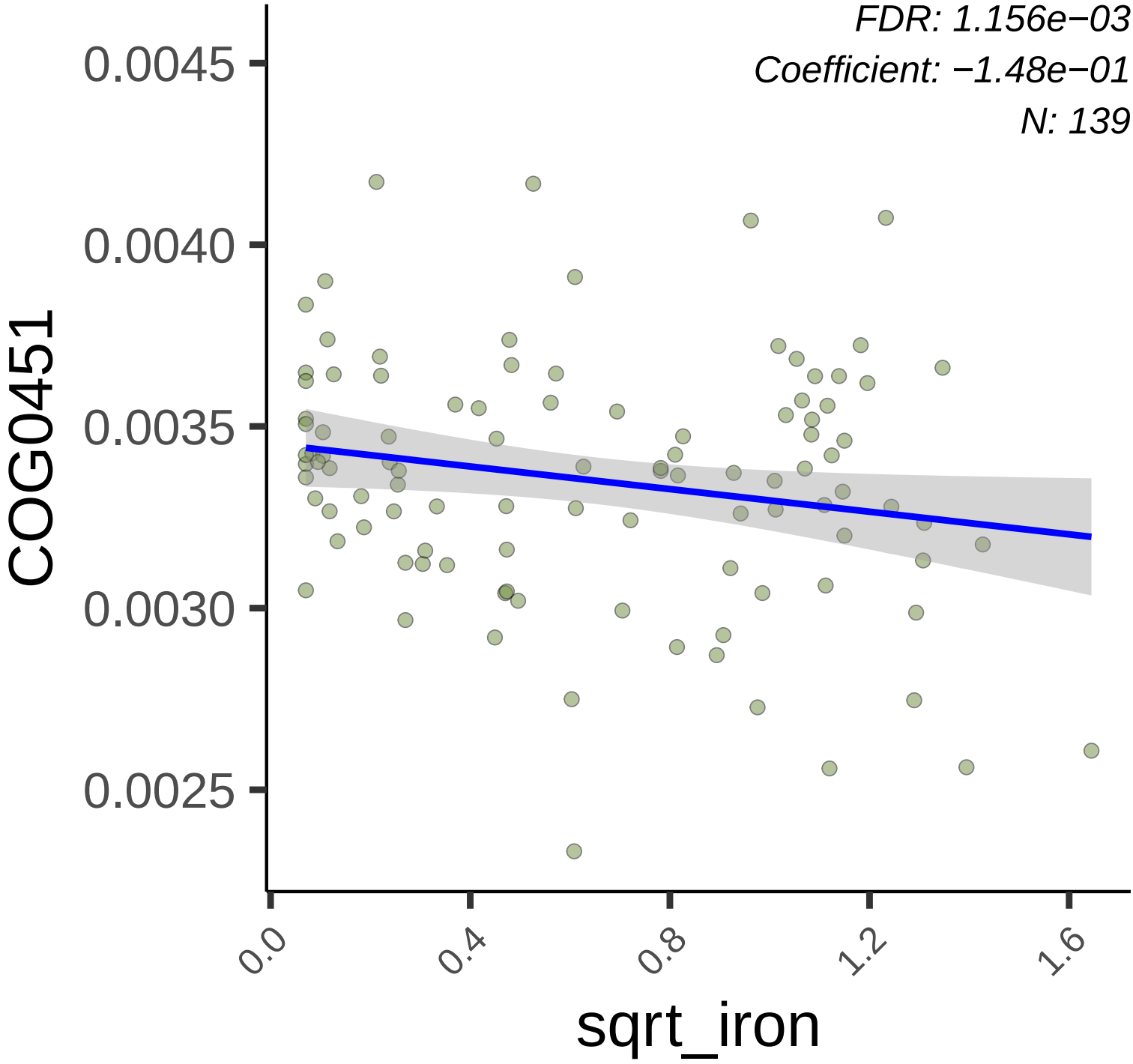
1.6
sqrt_iron


FDR: 1.156e−03
Coefficient: −1.48e−01
N: 139
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COG0451
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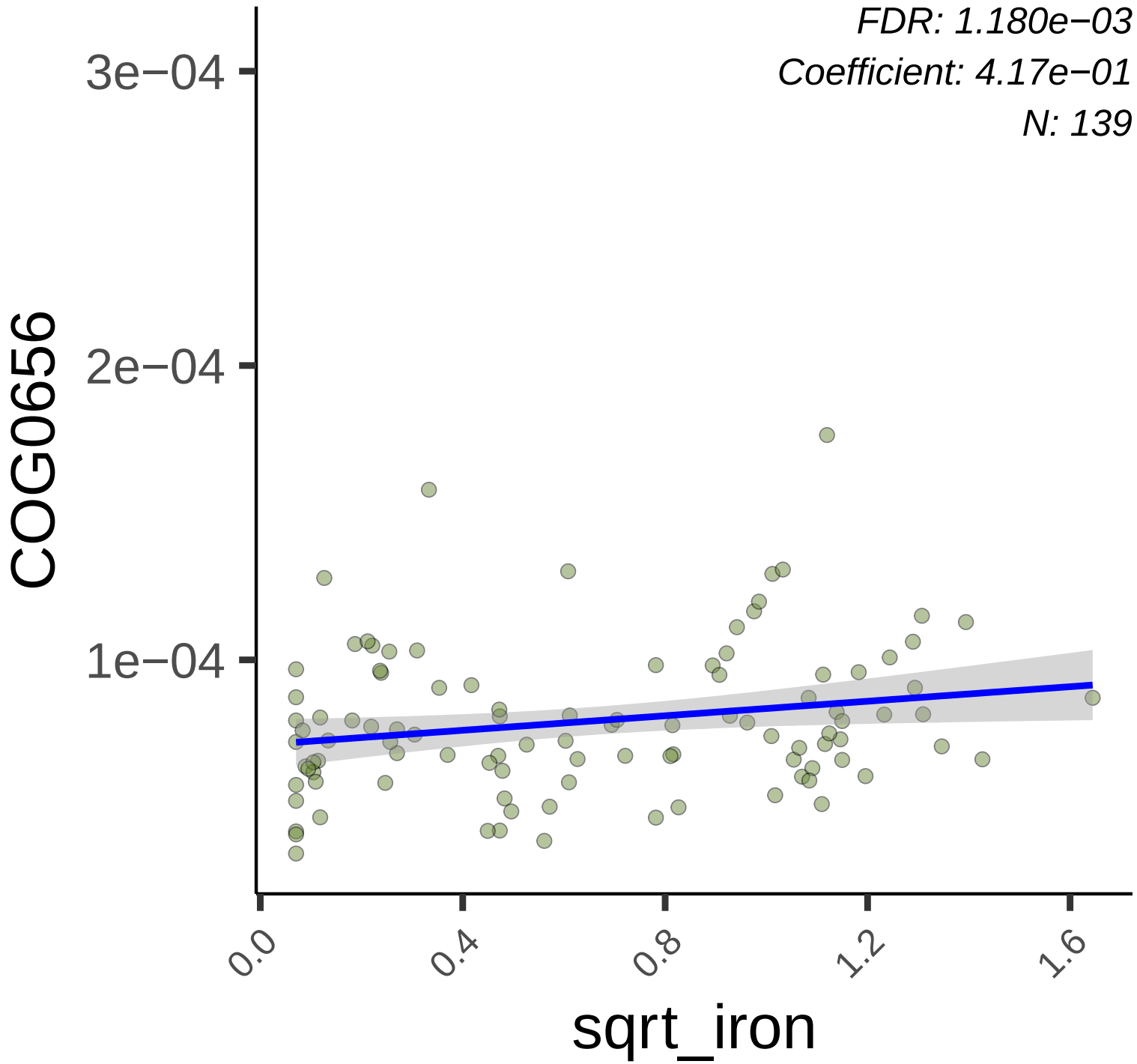
1.2
1.6
sqrt_iron


FDR: 1.180e−03
Coefficient: 4.17e−01
N: 139
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COG0656
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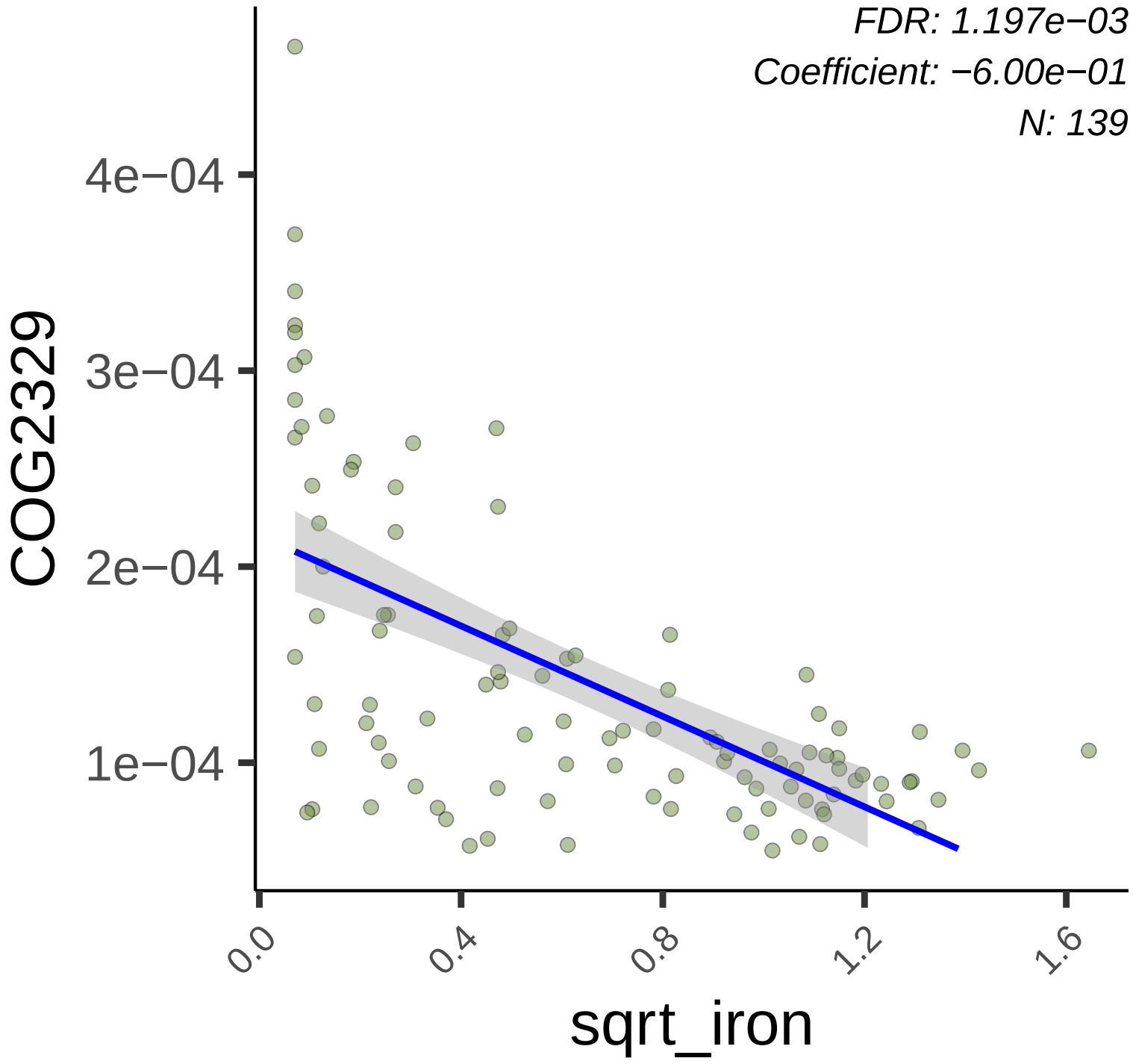
0.8
1.2
1.6
sqrt_iron


FDR: 1.197e−03
Coefficient: −6.00e−01
N: 139
COG2329
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2e−04
1e−04
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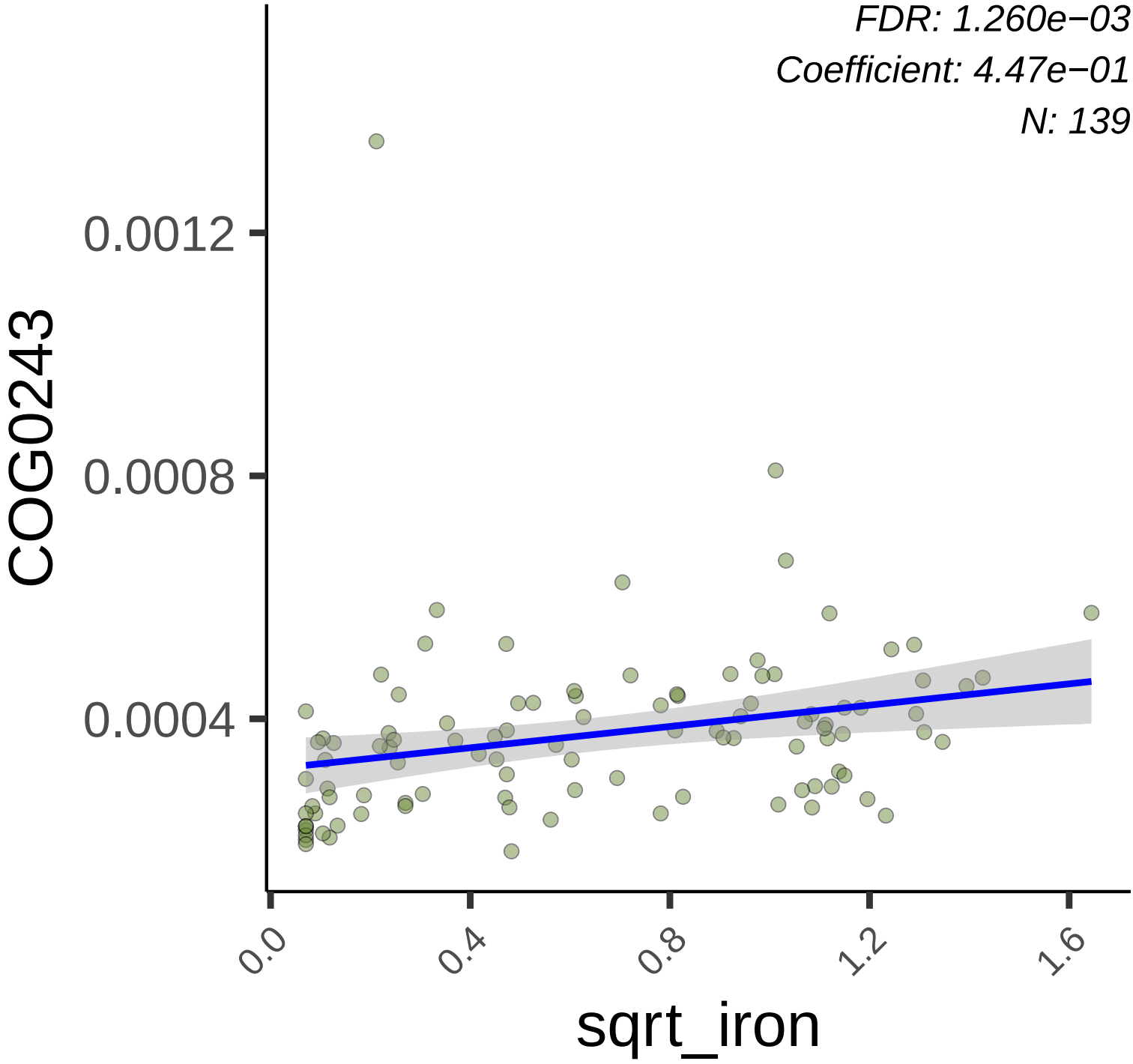
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.260e−03
Coefficient: 4.47e−01
N: 139
COG0243
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0.0004
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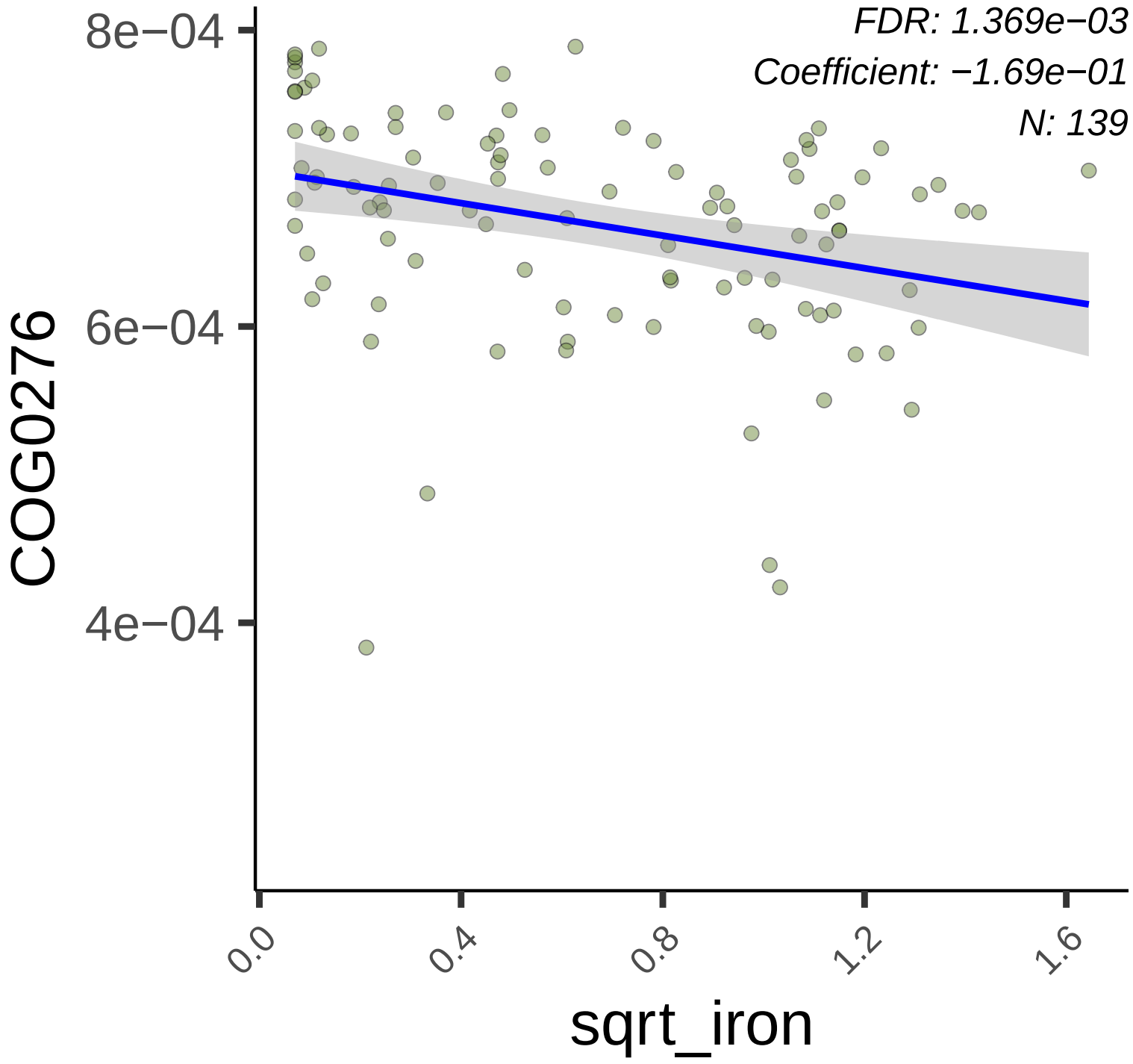
0.8
1.2
1.6
sqrt_iron


FDR: 1.369e−03
Coefficient: −1.69e−01
N: 139
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6e−04
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COG0276
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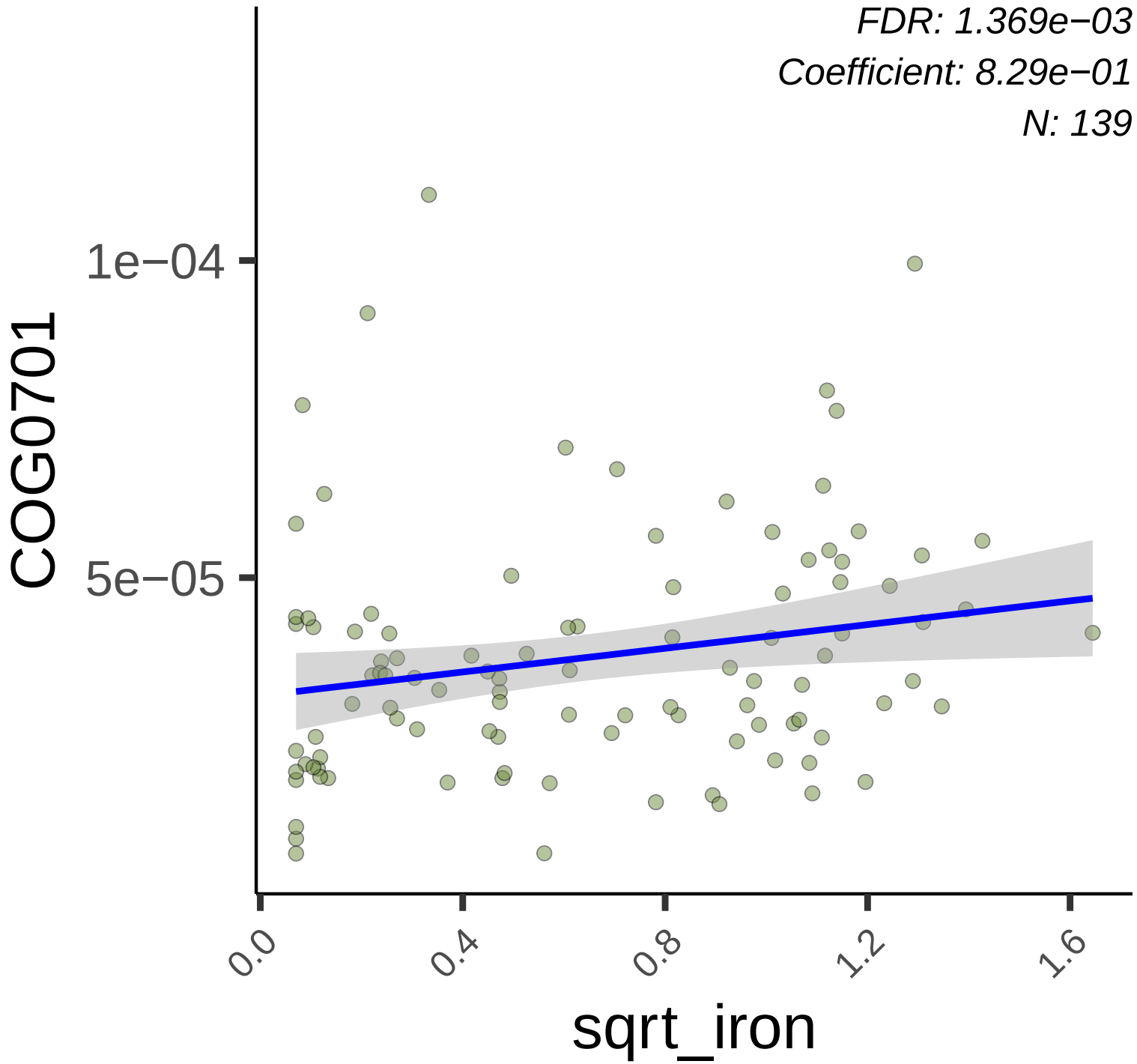
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.369e−03
Coefficient: 8.29e−01
N: 139
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5e−05
COG0701
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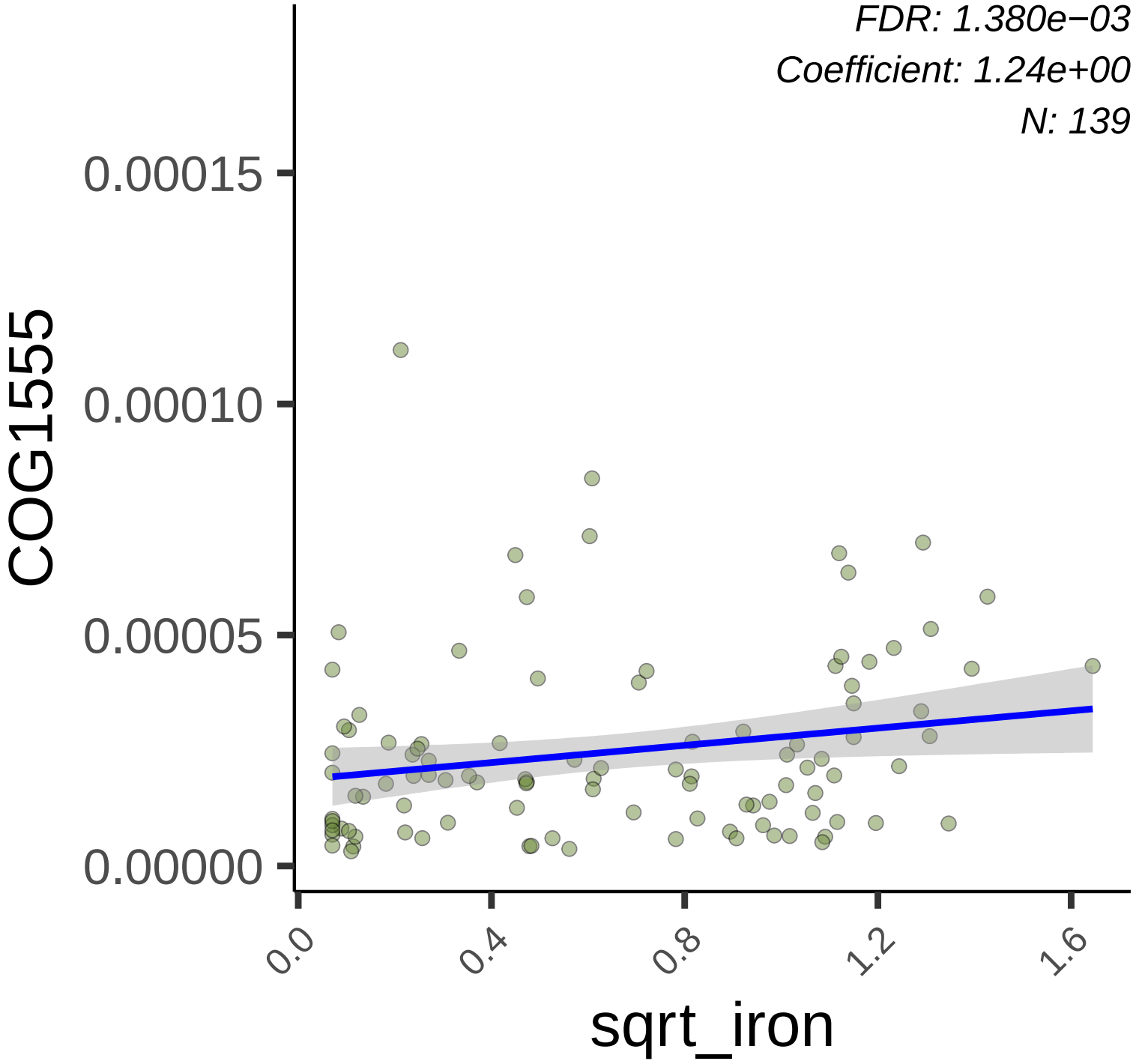
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.380e−03
Coefficient: 1.24e+00
N: 139
COG1555
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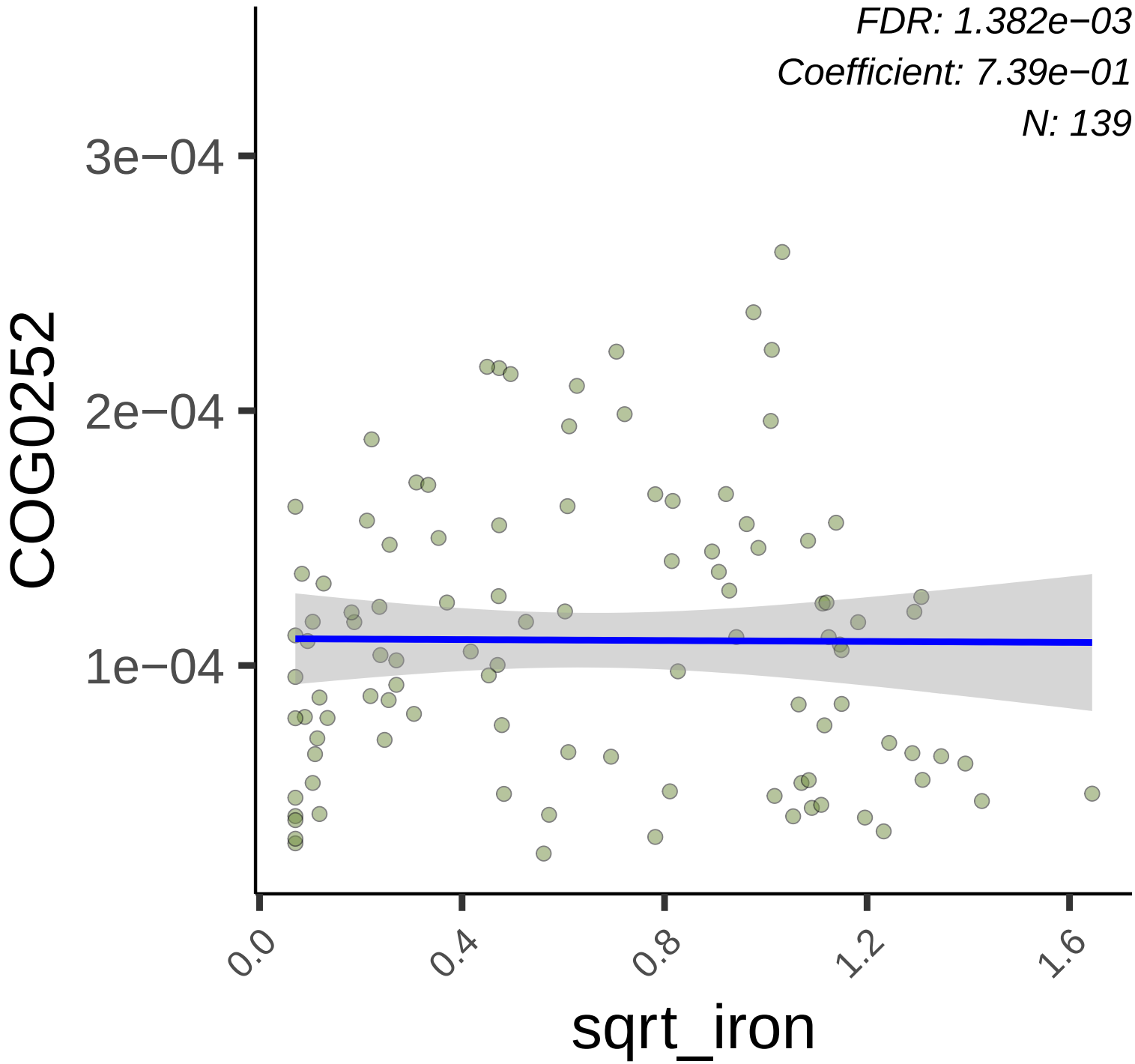
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.382e−03
Coefficient: 7.39e−01
N: 139
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2e−04
1e−04
COG0252
0.0
0.4
0.8
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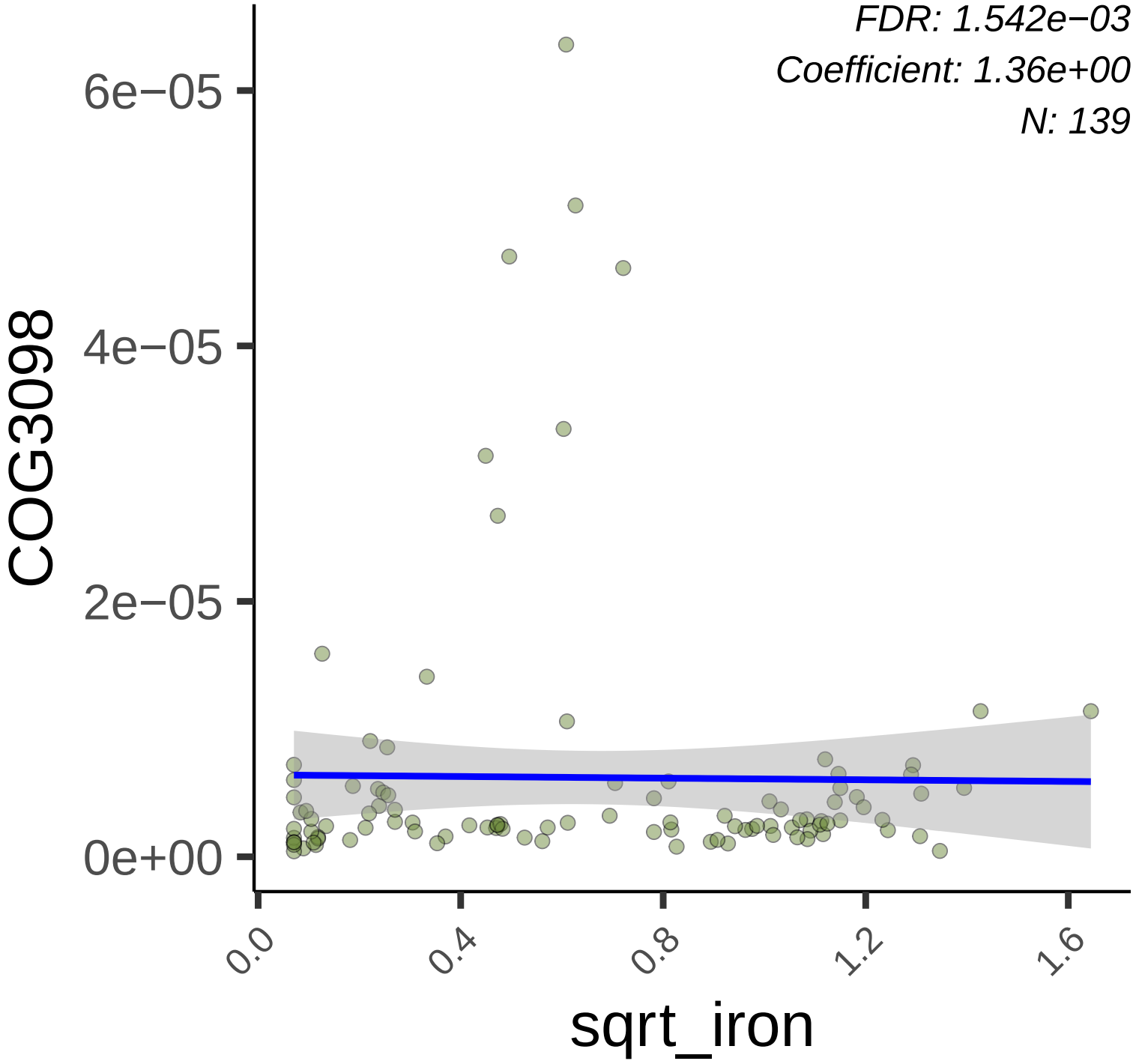
1.6
sqrt_iron


FDR: 1.542e−03
Coefficient: 1.36e+00
N: 139
COG3098
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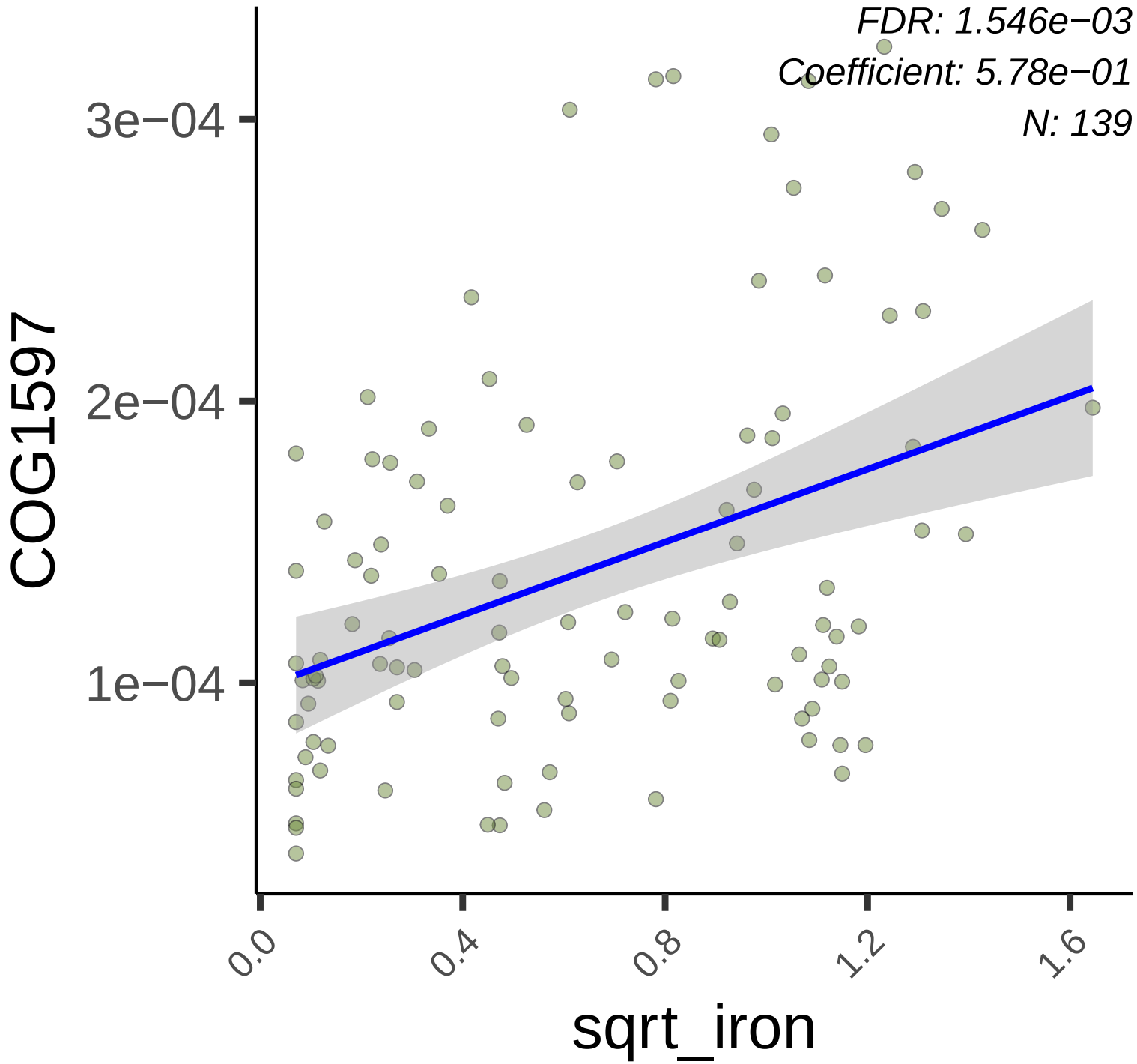
sqrt_iron


FDR: 1.546e−03
Coefficient: 5.78e−01
N: 139
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COG1597
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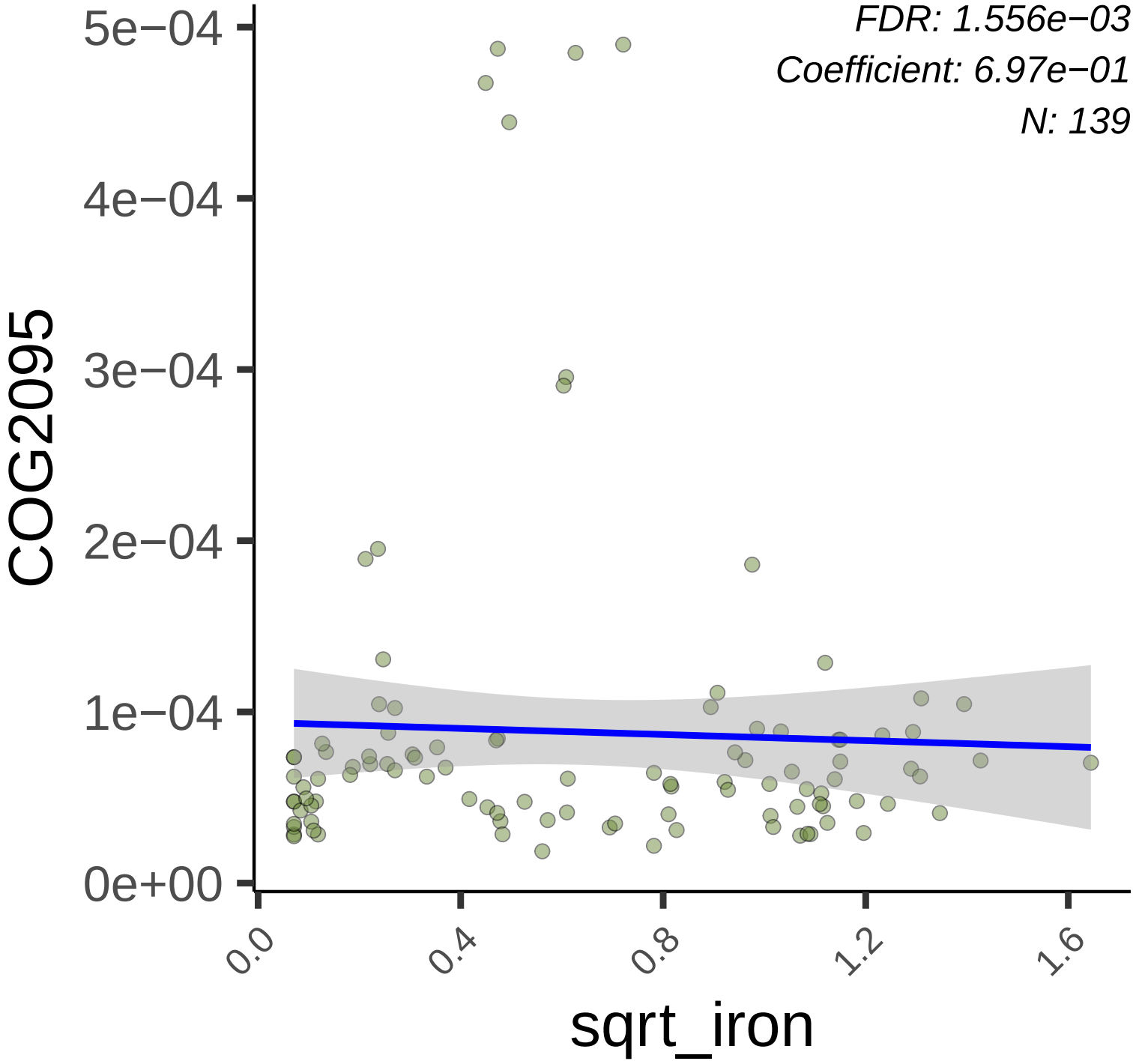
sqrt_iron


FDR: 1.556e−03
Coefficient: 6.97e−01
N: 139
COG2095
5e−04
4e−04
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2e−04
1e−04
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0.4
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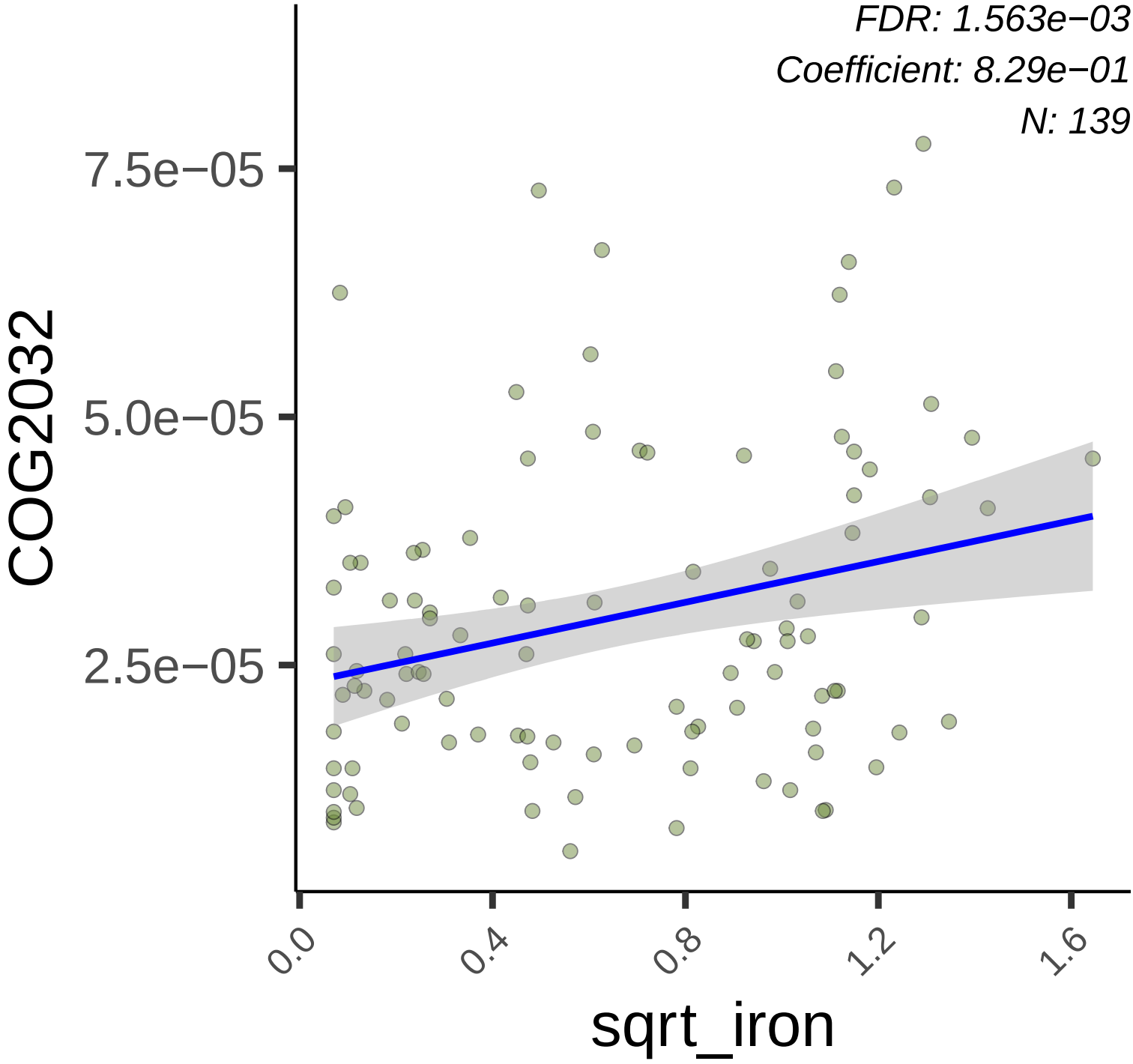
1.6
sqrt_iron


FDR: 1.563e−03
Coefficient: 8.29e−01
N: 139
7.5e−05
5.0e−05
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COG2032
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0.4
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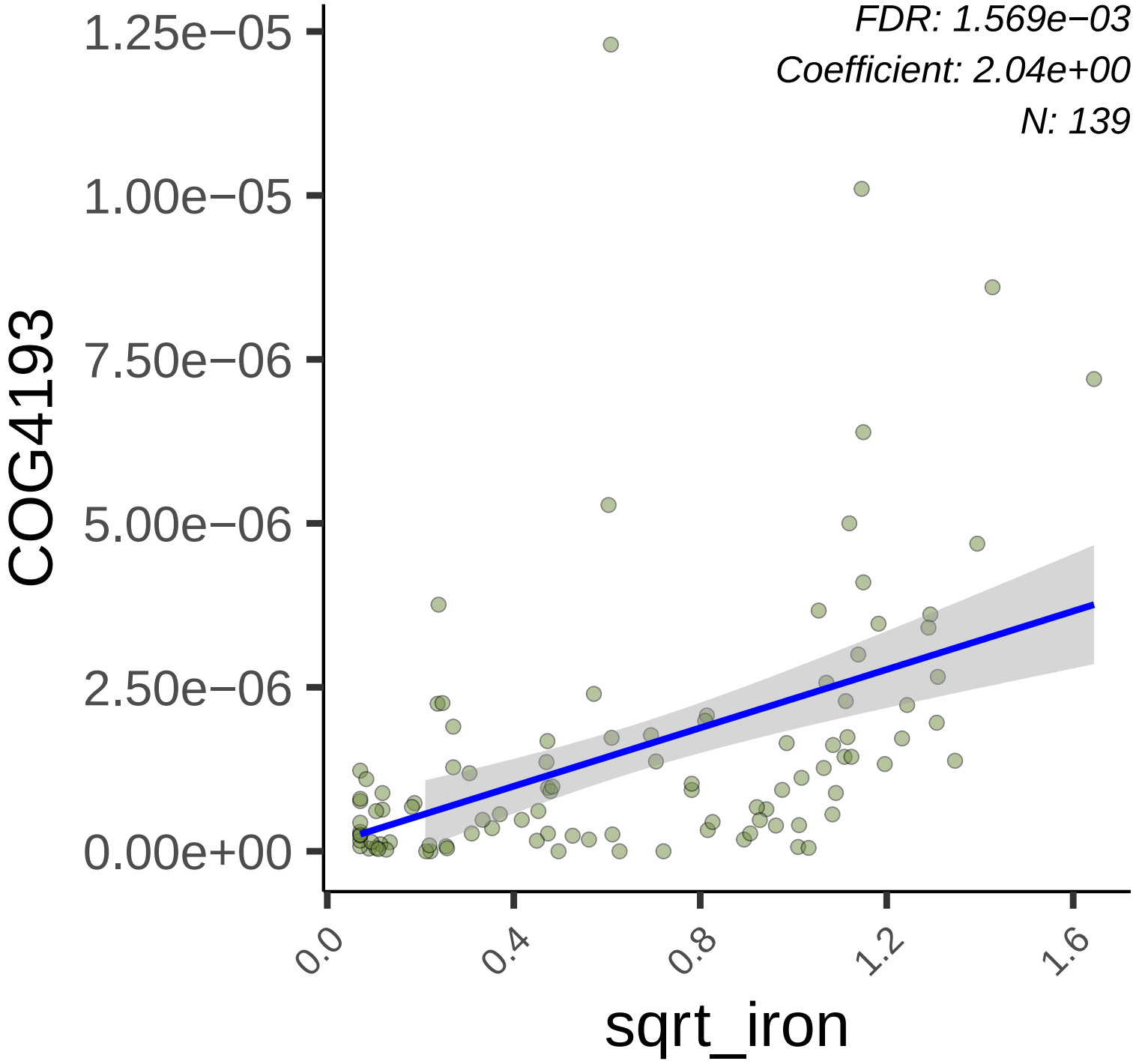
1.6
sqrt_iron


FDR: 1.569e−03
Coefficient: 2.04e+00
N: 139
COG4193
1.25e−05
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0.4
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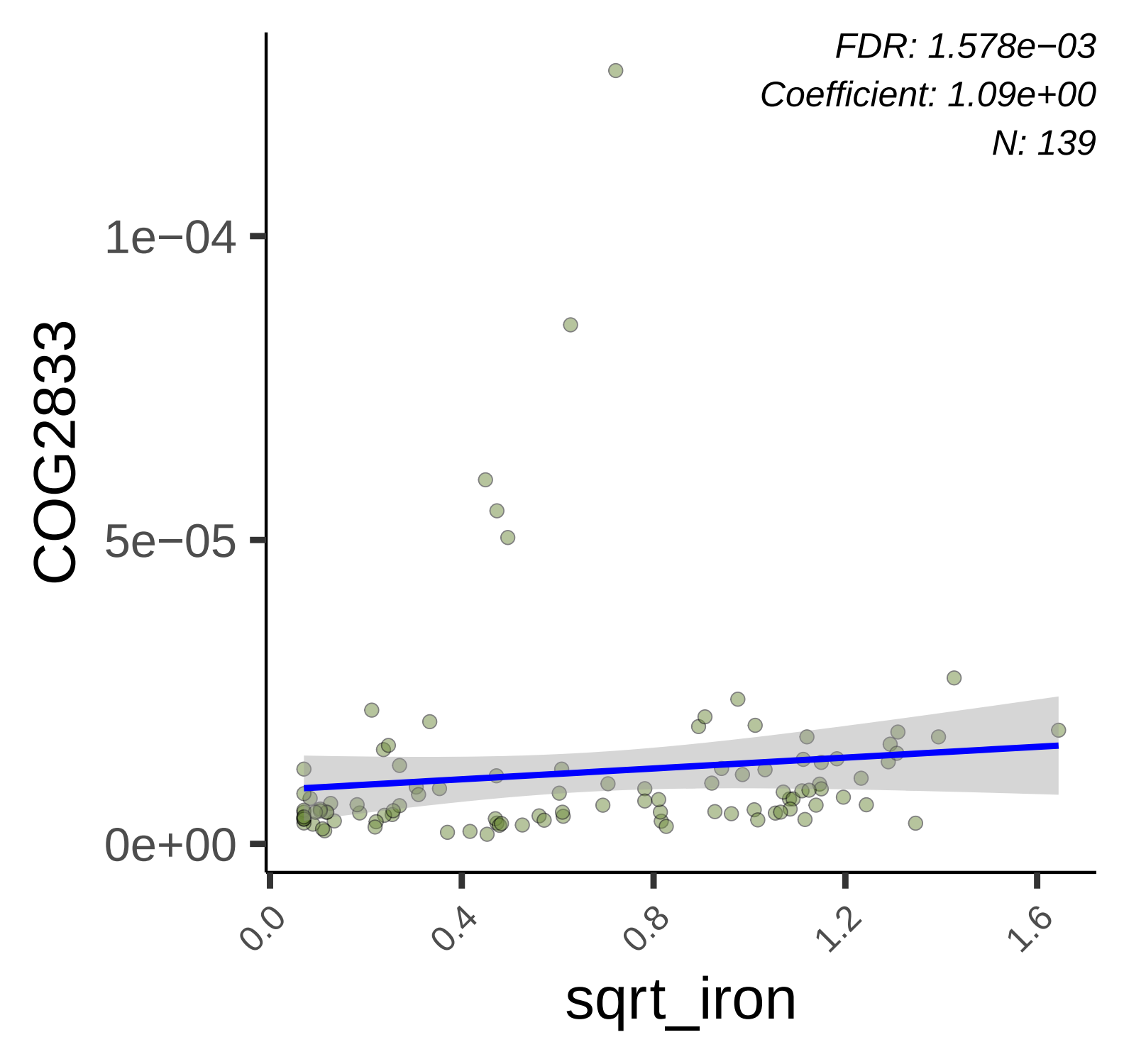
1.2
1.6
sqrt_iron


FDR: 1.578e−03
Coefficient: 1.09e+00
N: 139
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1e−04
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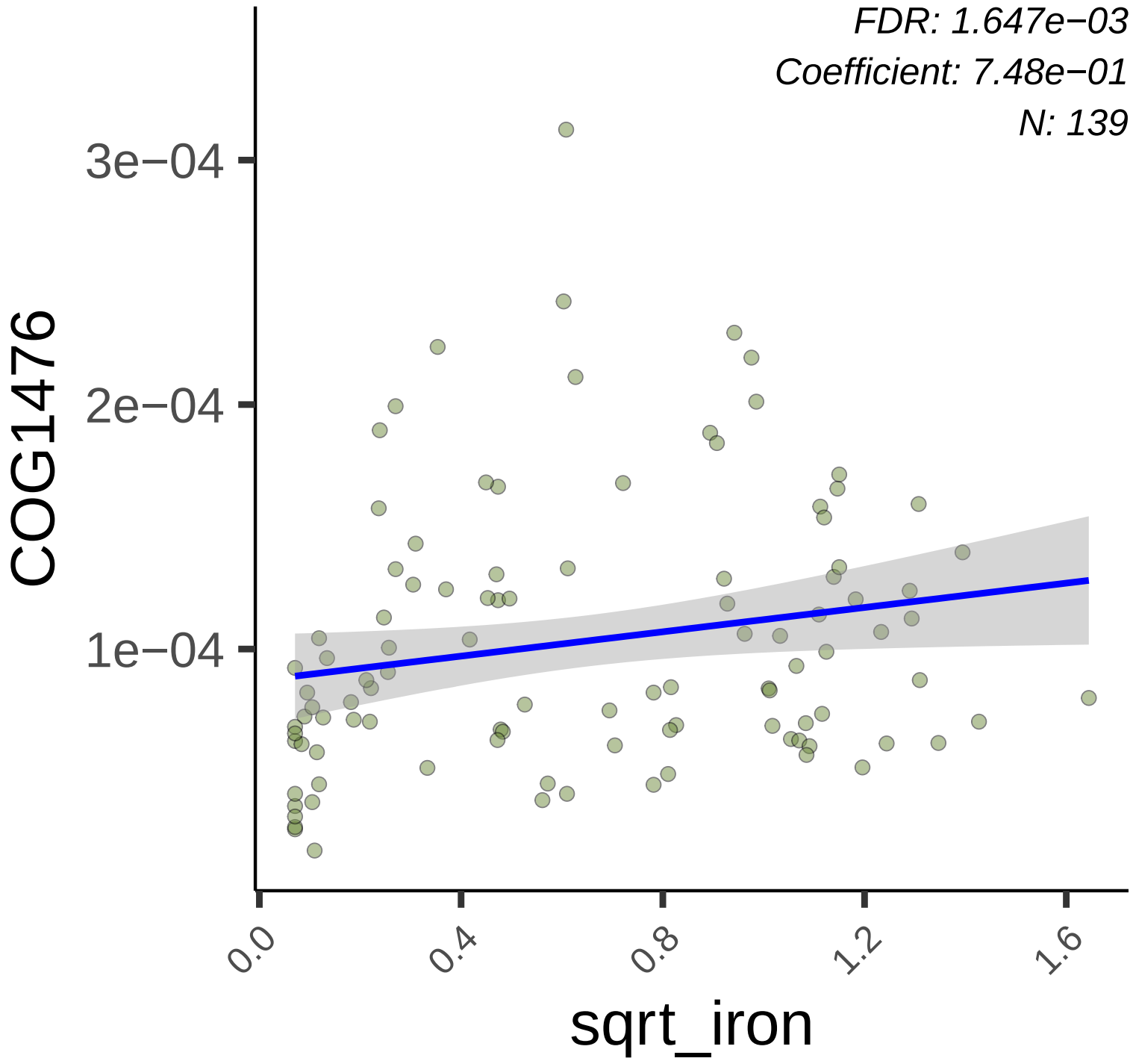
1.2
1.6
sqrt_iron


FDR: 1.647e−03
Coefficient: 7.48e−01
N: 139
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2e−04
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COG1476
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0.4
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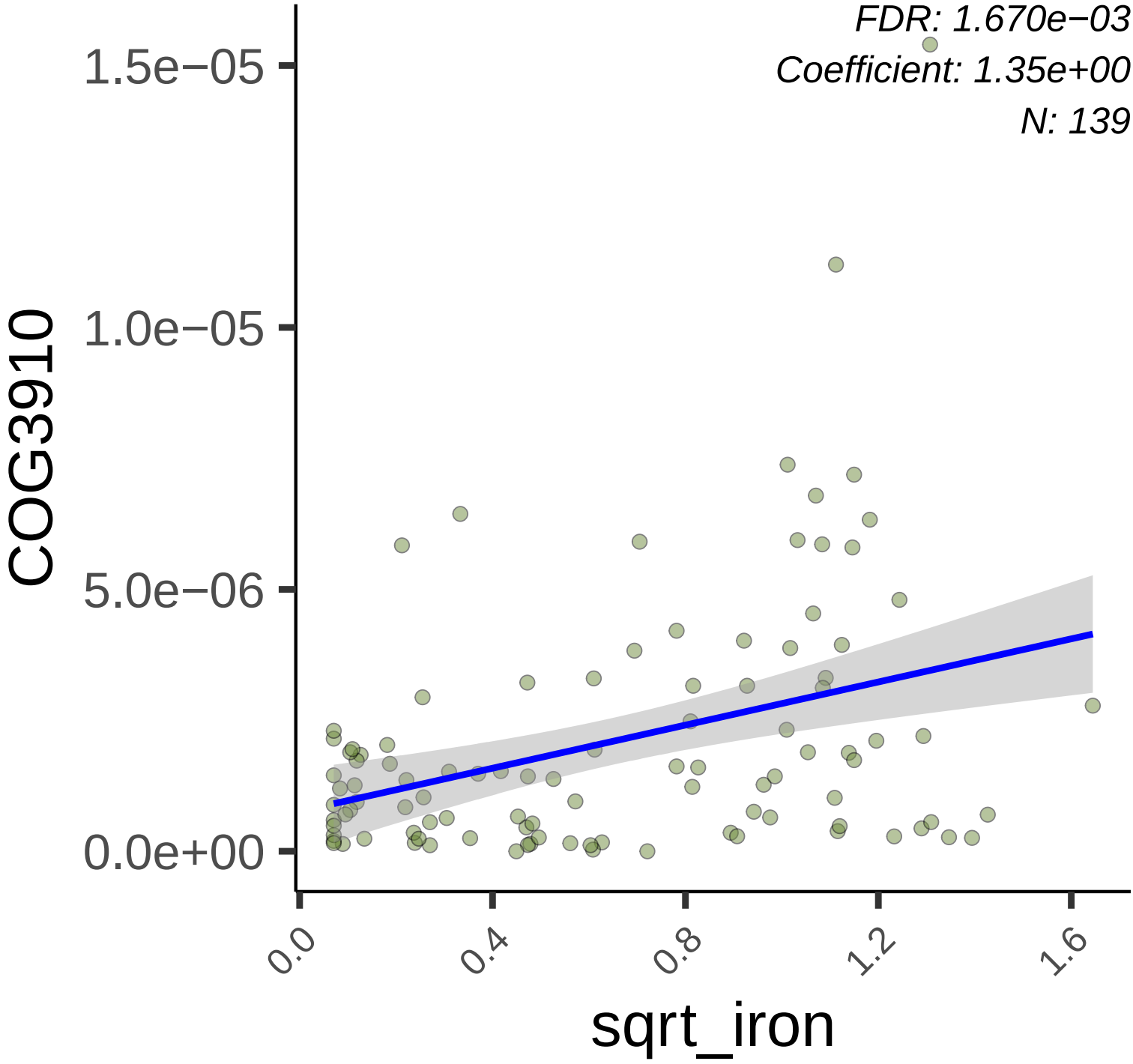
1.2
1.6
sqrt_iron


FDR: 1.670e−03
Coefficient: 1.35e+00
N: 139
1.5e−05
1.0e−05
5.0e−06
0.0e+00
COG3910
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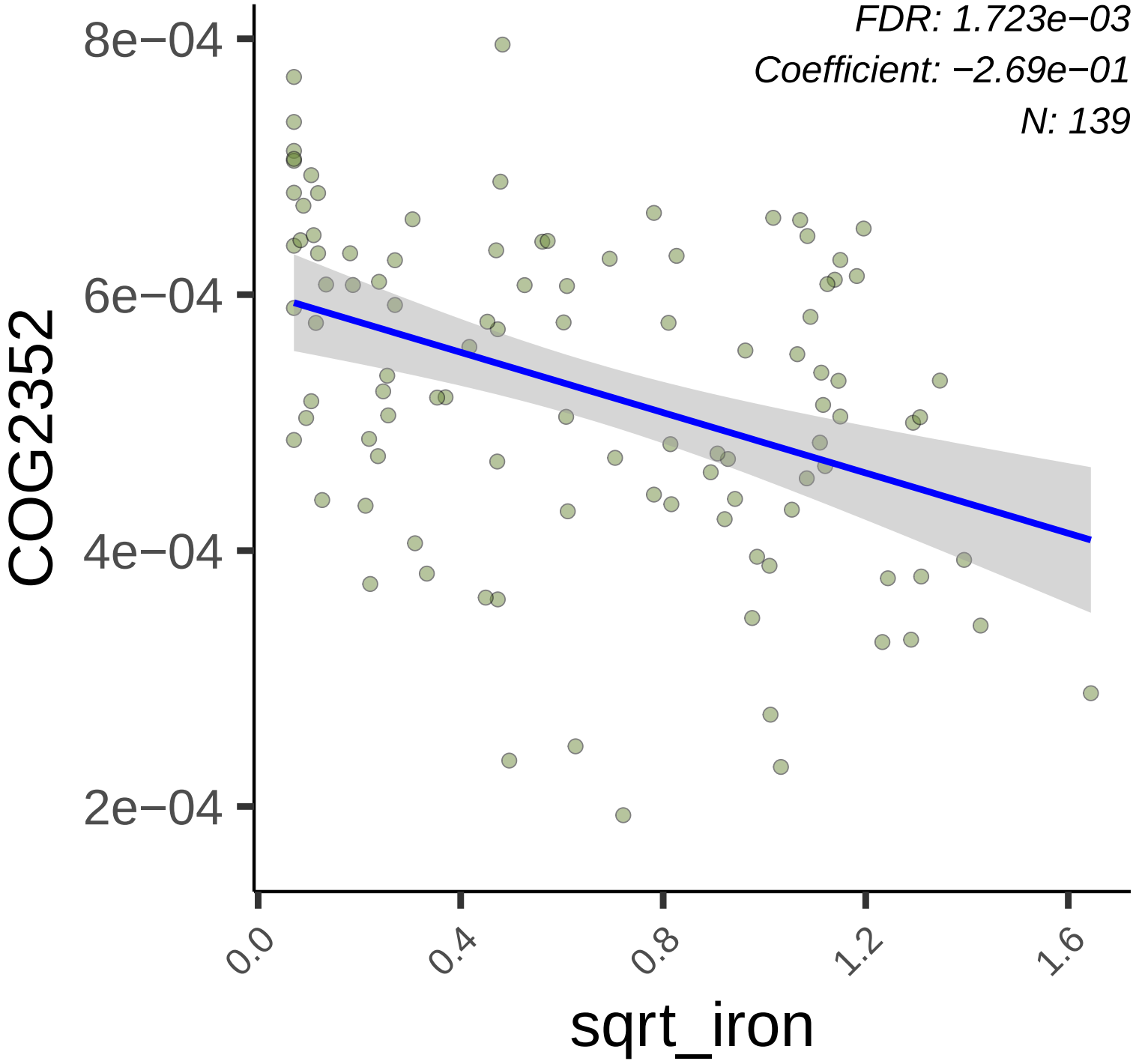
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.723e−03
Coefficient: −2.69e−01
N: 139
8e−04
6e−04
4e−04
2e−04
COG2352
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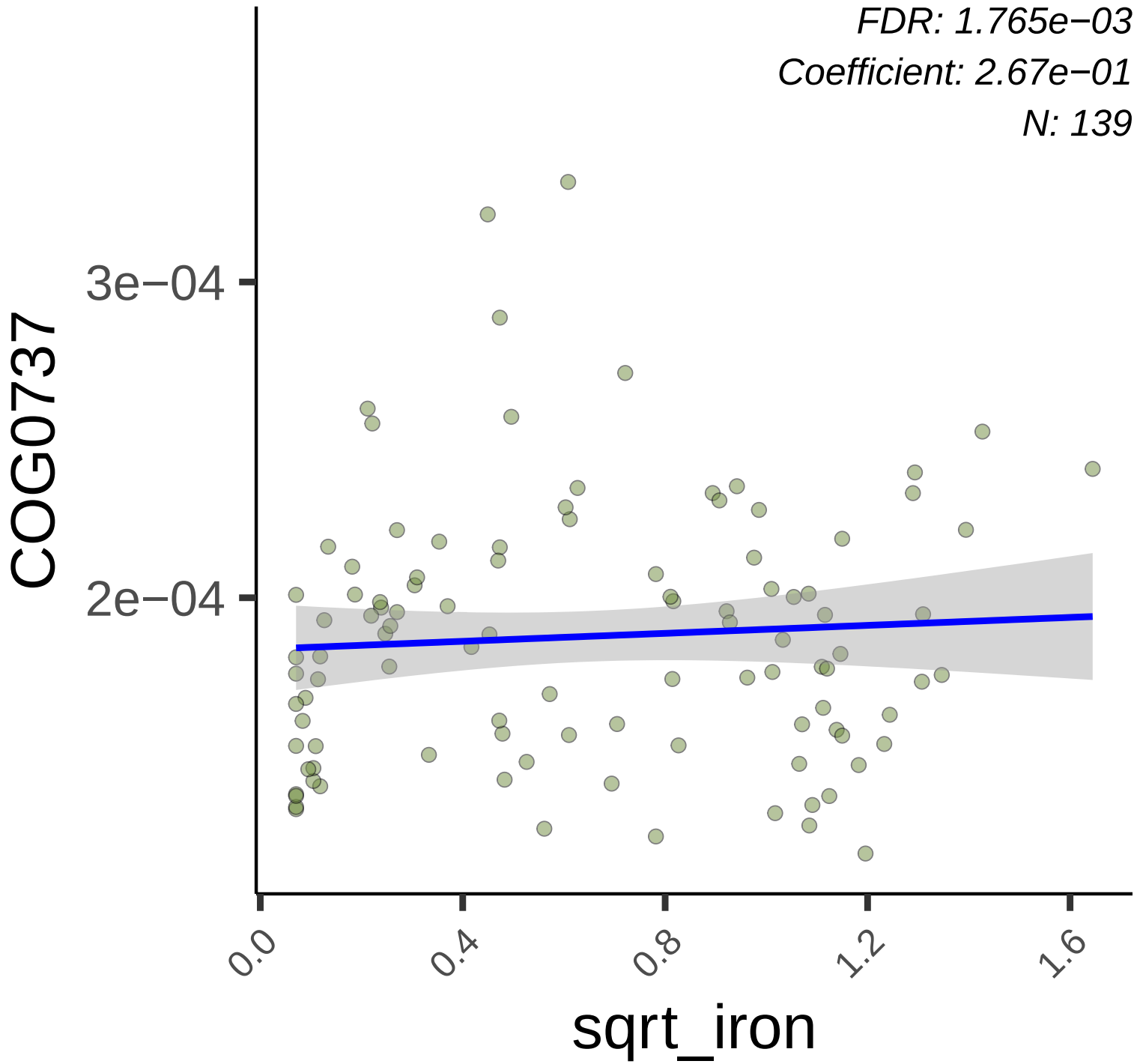
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.765e−03
Coefficient: 2.67e−01
N: 139
COG0737
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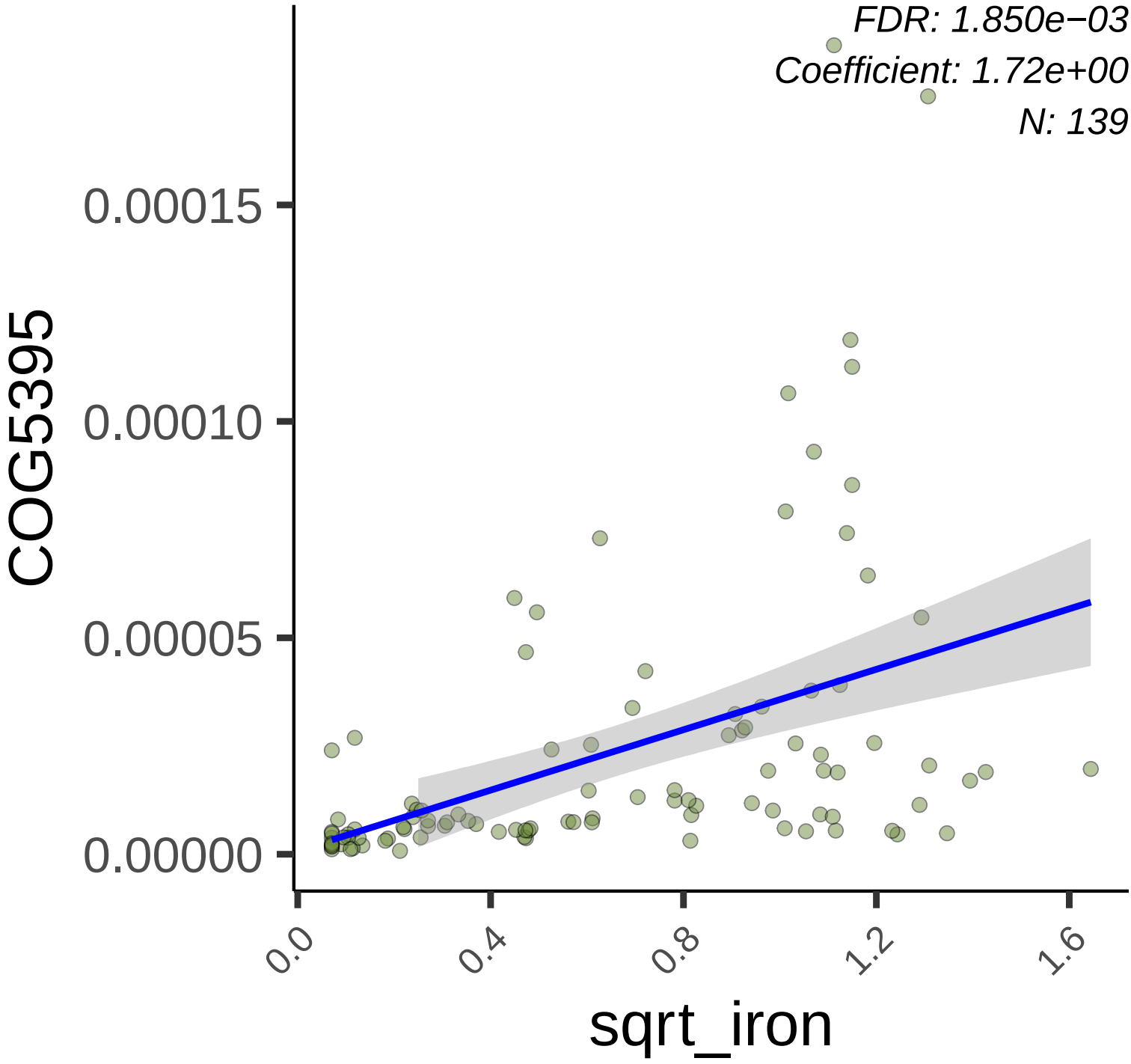
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.850e−03
Coefficient: 1.72e+00
N: 139
COG5395
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0.00005
0.00010
0.00015
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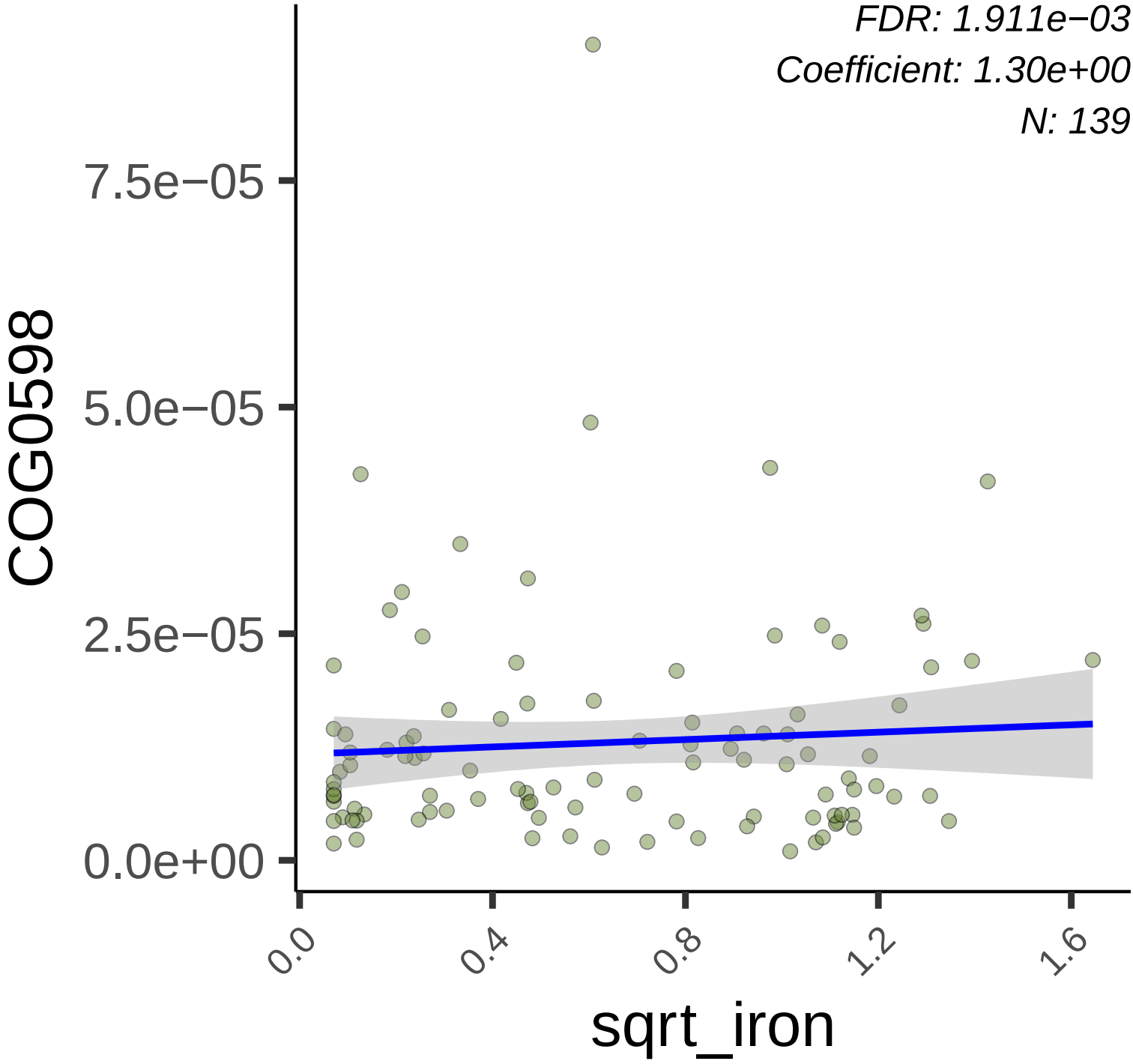
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.911e−03
Coefficient: 1.30e+00
N: 139
COG0598
7.5e−05
5.0e−05
2.5e−05
0.0e+00
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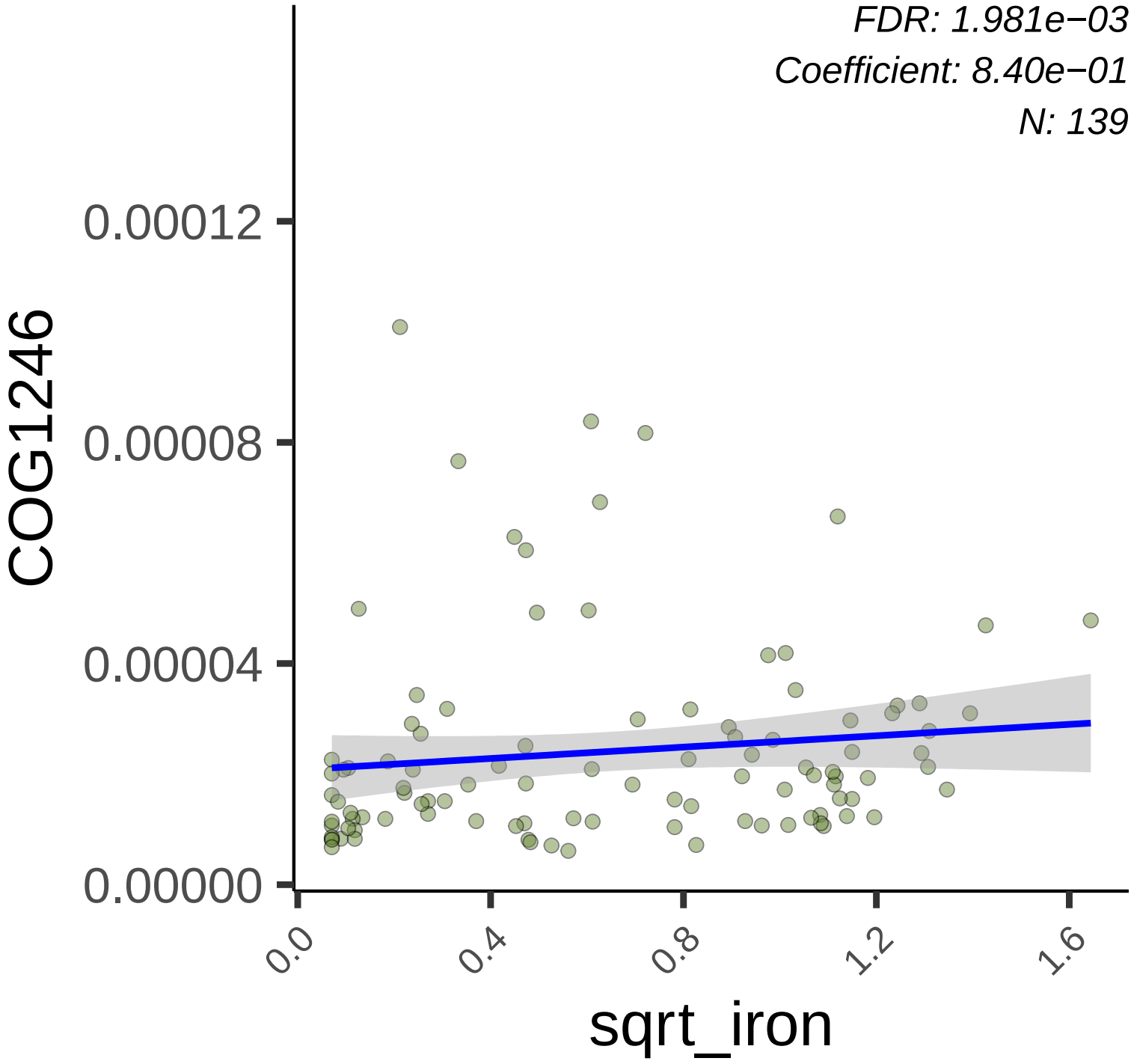
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.981e−03
Coefficient: 8.40e−01
N: 139
COG1246
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0.00008
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0.00000
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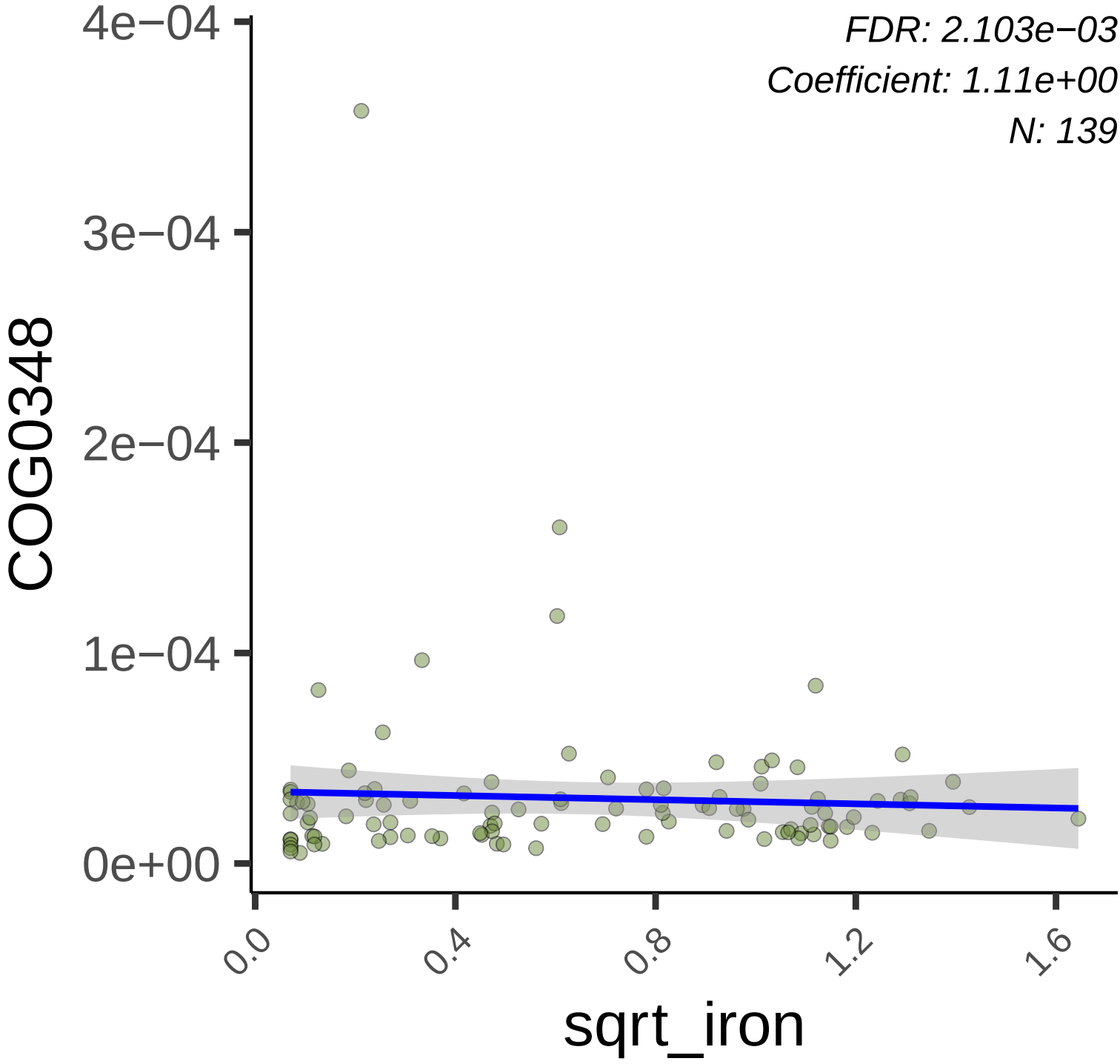
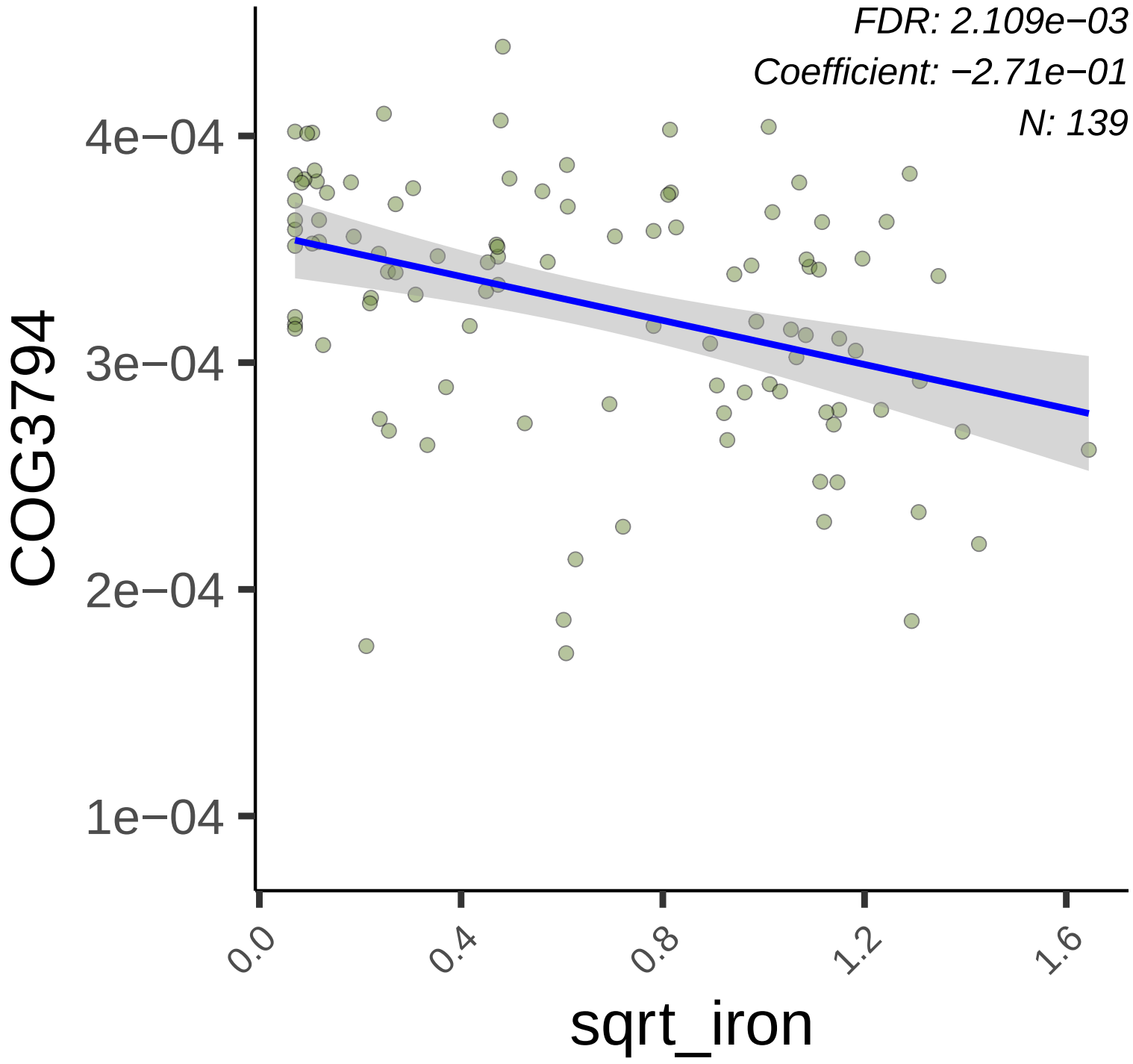
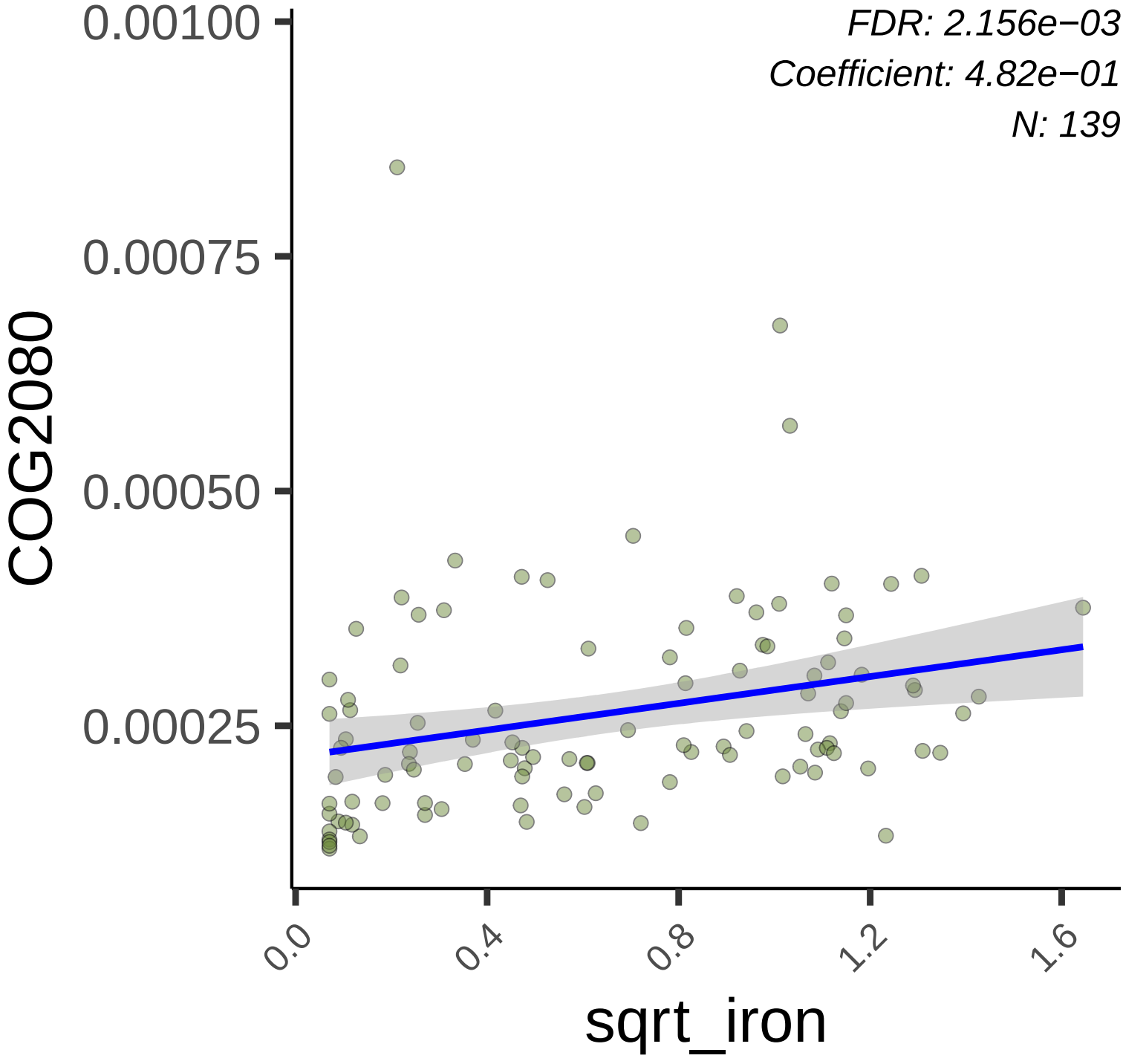
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.103e−03
Coefficient: 1.11e+00
N: 139
COG0348
4e−04
3e−04
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.109e−03
Coefficient: −2.71e−01
N: 139
4e−04
3e−04
2e−04
1e−04
COG3794
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.156e−03
Coefficient: 4.82e−01
N: 139
0.00100
0.00075
0.00050
0.00025
COG2080
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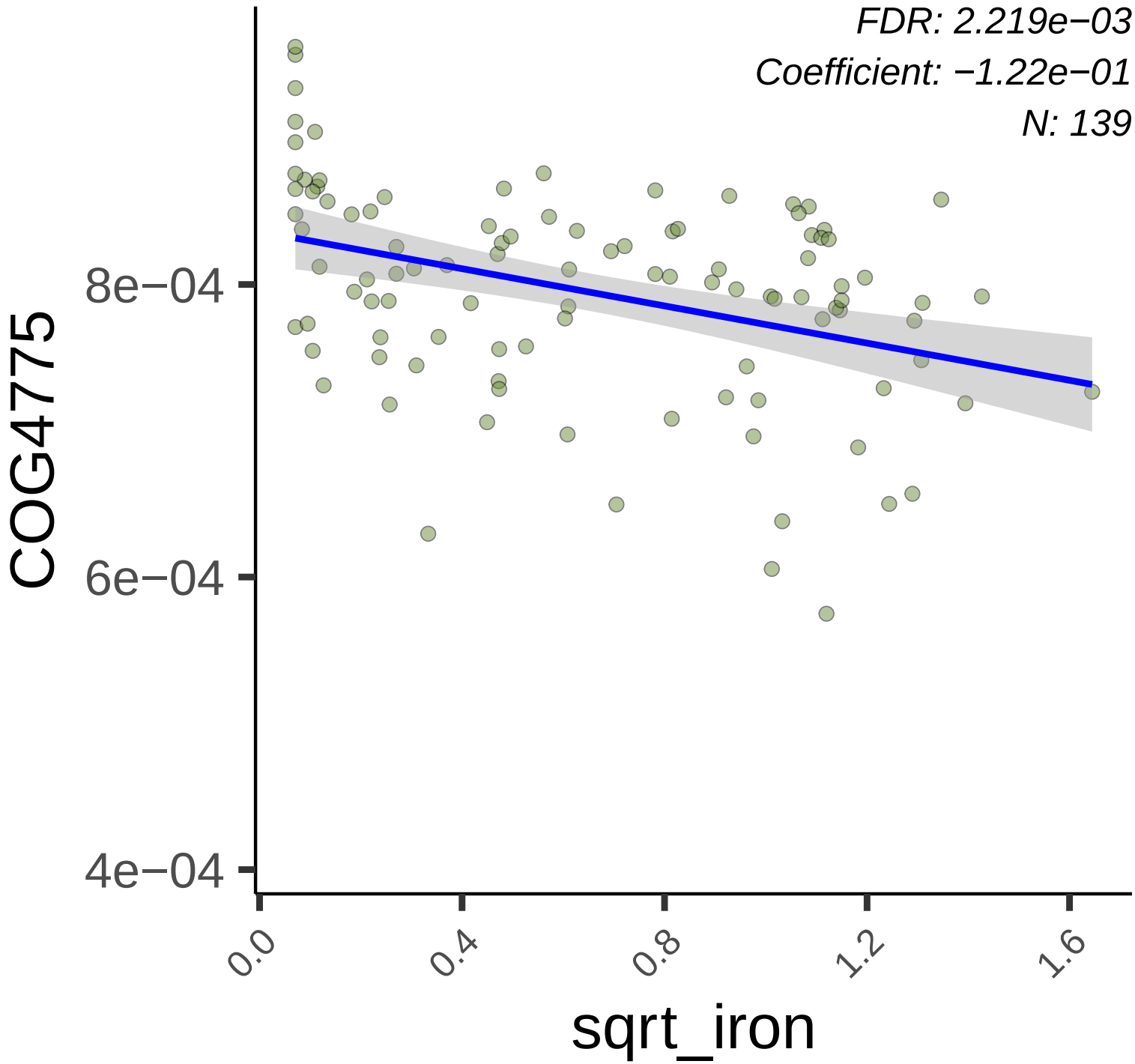
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.219e−03
Coefficient: −1.22e−01
N: 139
COG4775
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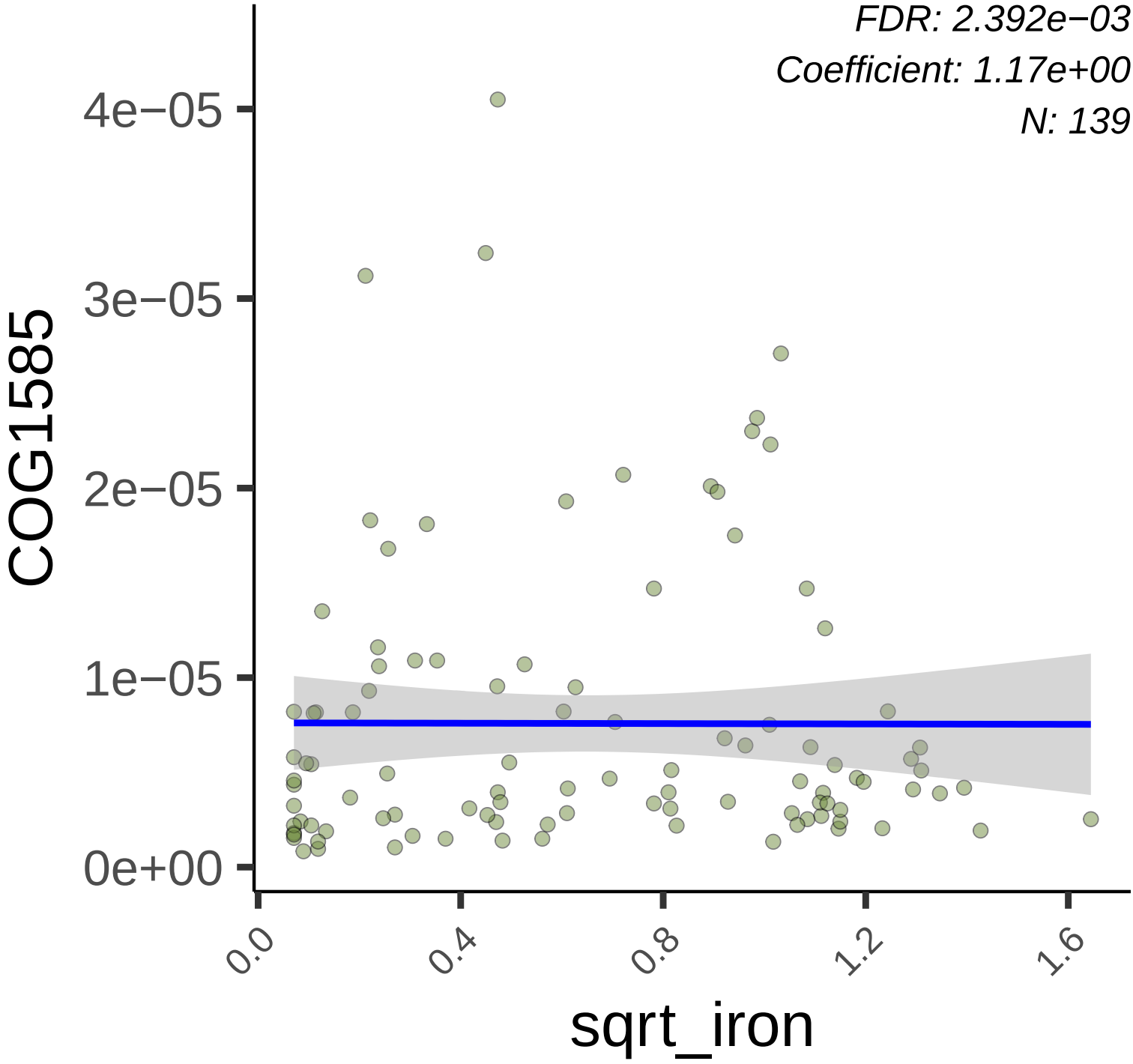
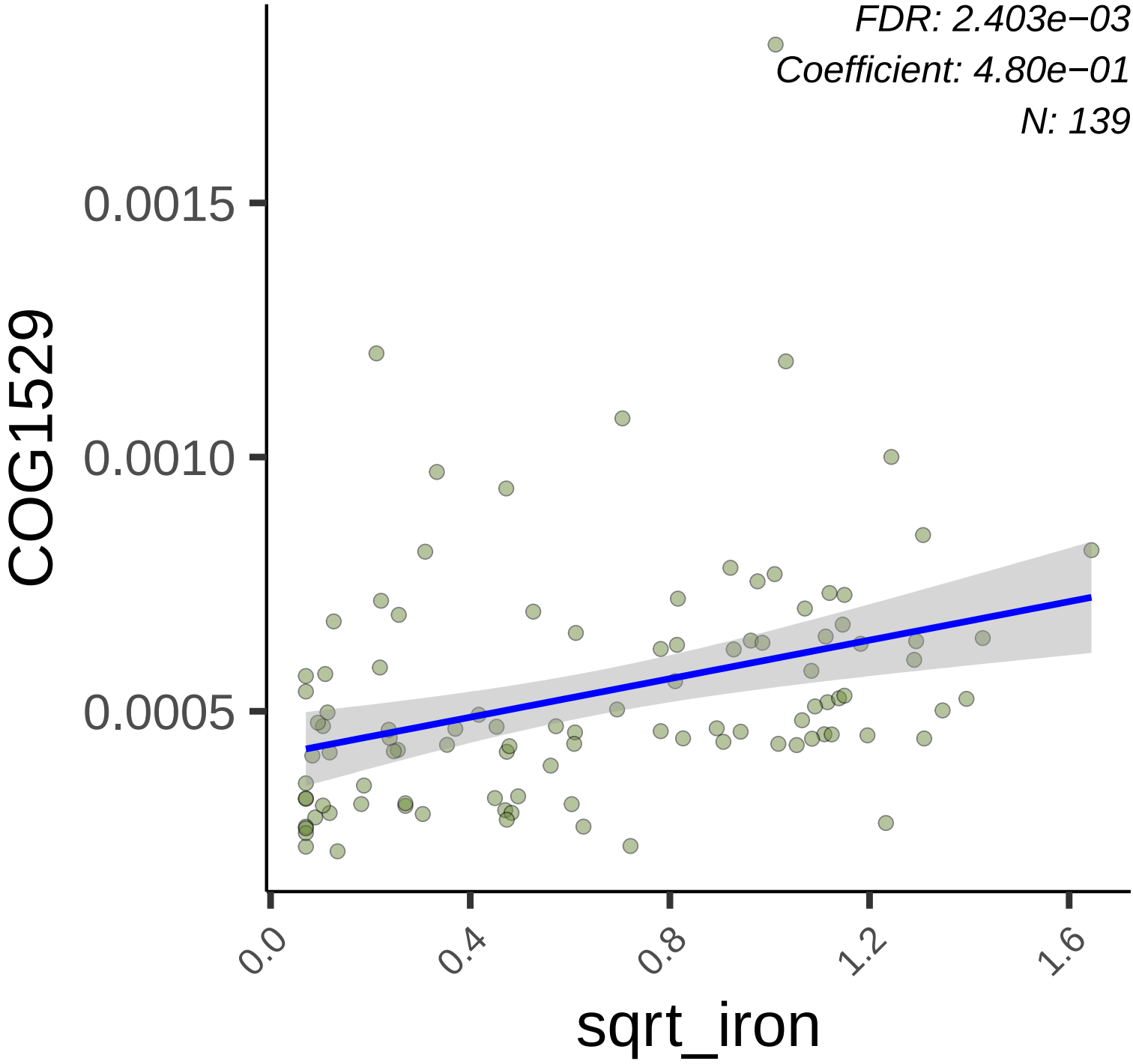
6e−04
4e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.392e−03
Coefficient: 1.17e+00
N: 139
COG1585
4e−05
3e−05
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.403e−03
Coefficient: 4.80e−01
N: 139
COG1529
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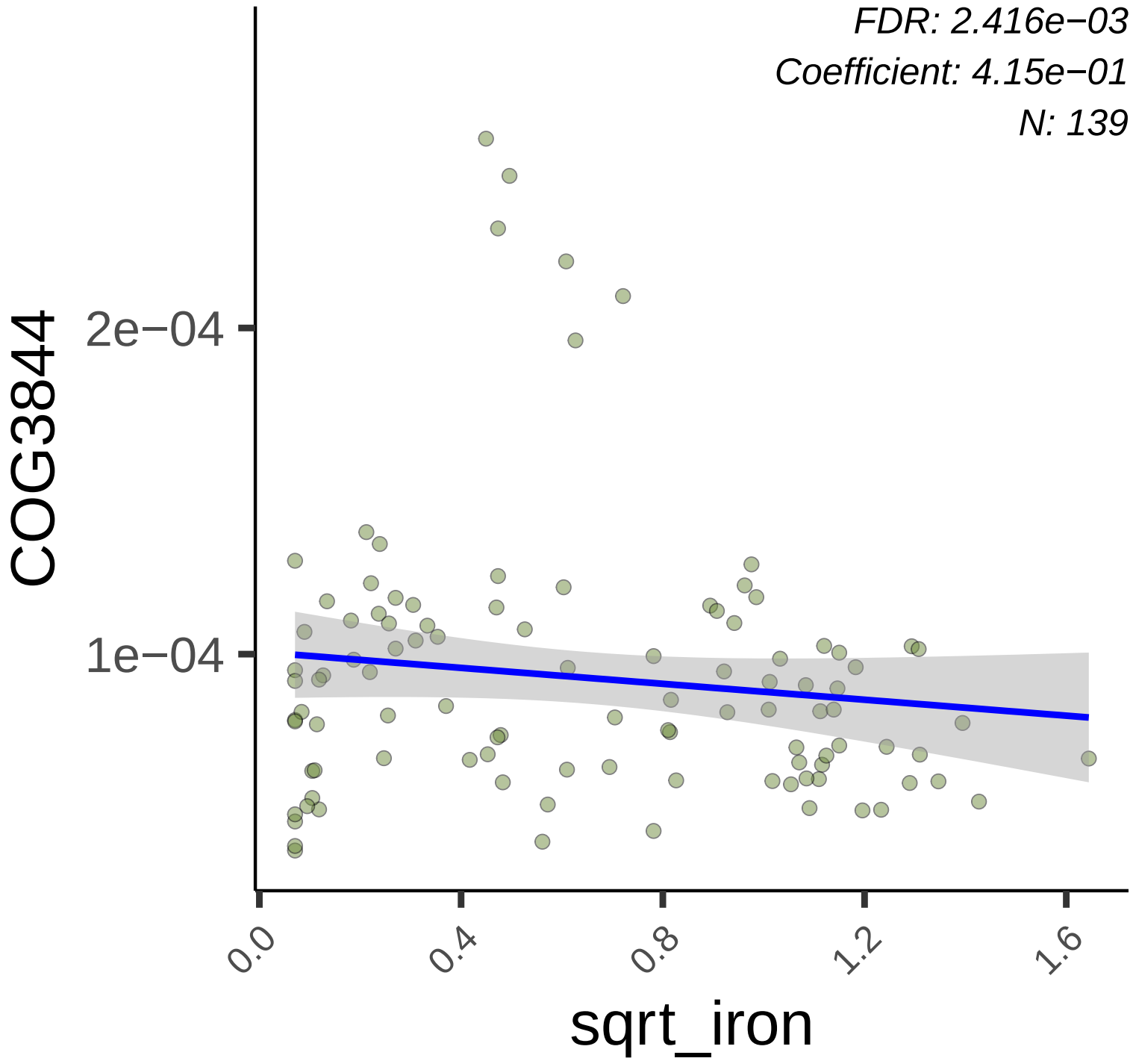
0.0010
0.0005
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.416e−03
Coefficient: 4.15e−01
N: 139
COG3844
2e−04
1e−04
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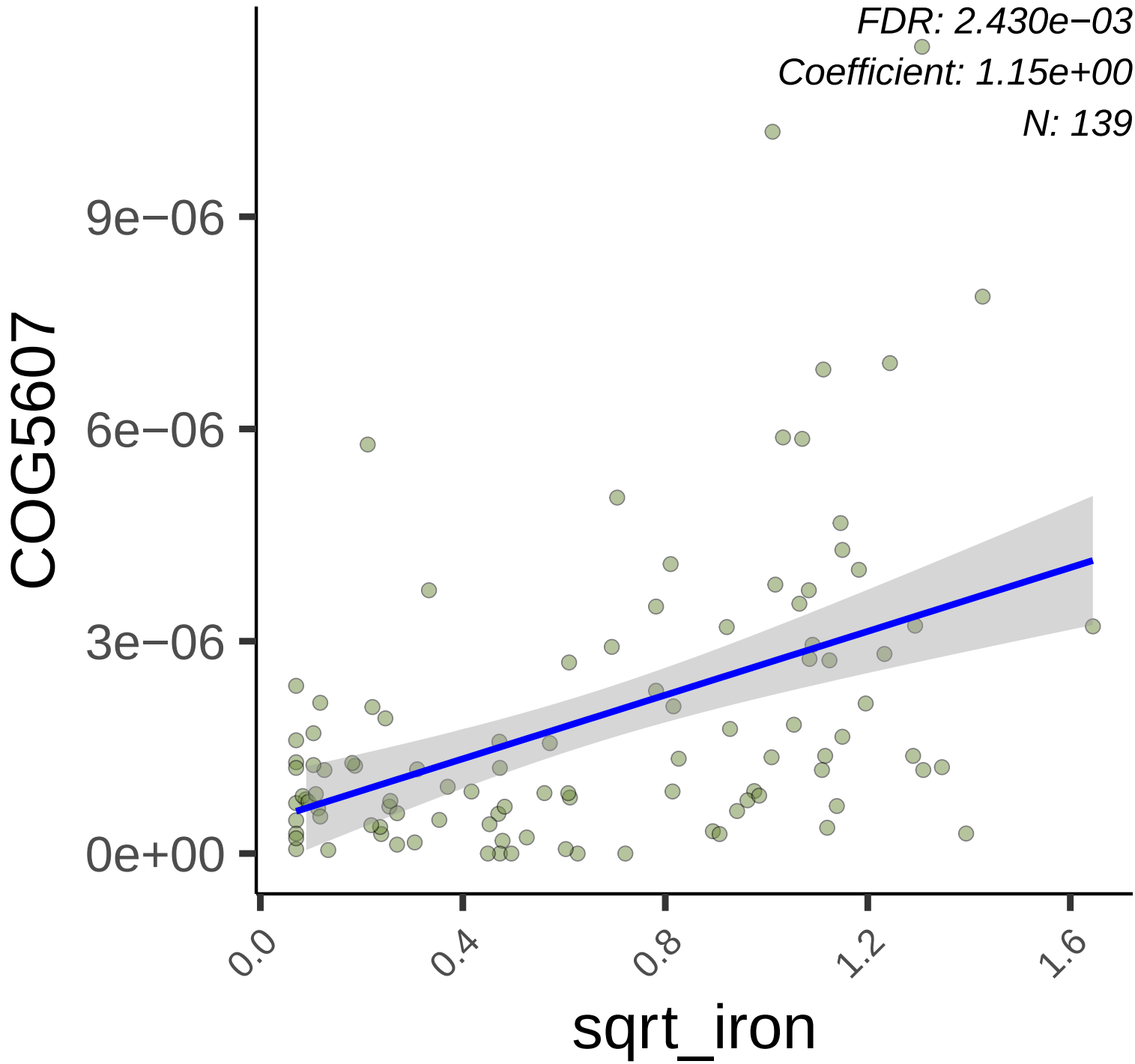
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.430e−03
Coefficient: 1.15e+00
N: 139
COG5607
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6e−06
3e−06
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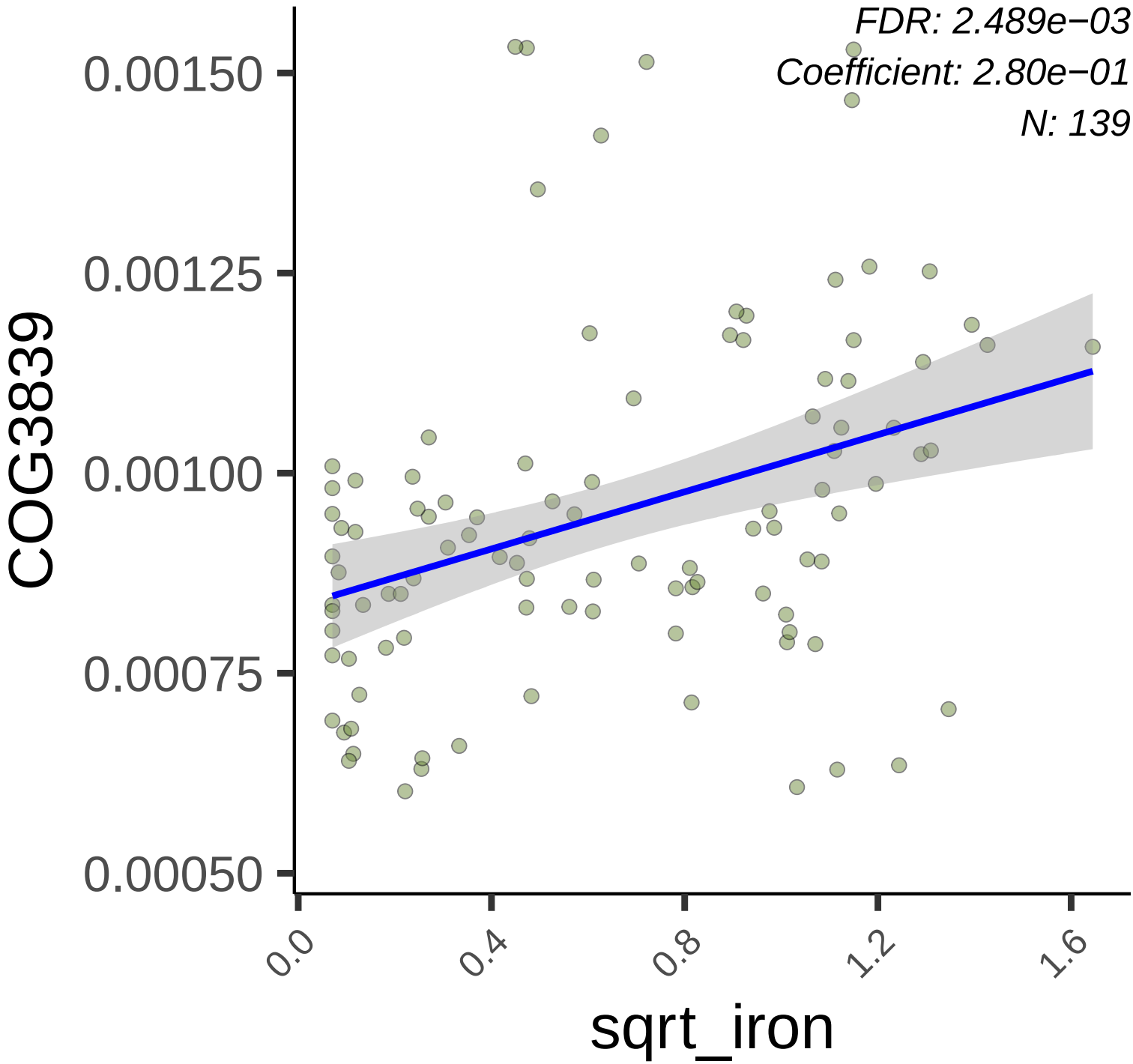
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.489e−03
Coefficient: 2.80e−01
N: 139
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0.00075
0.00050
COG3839
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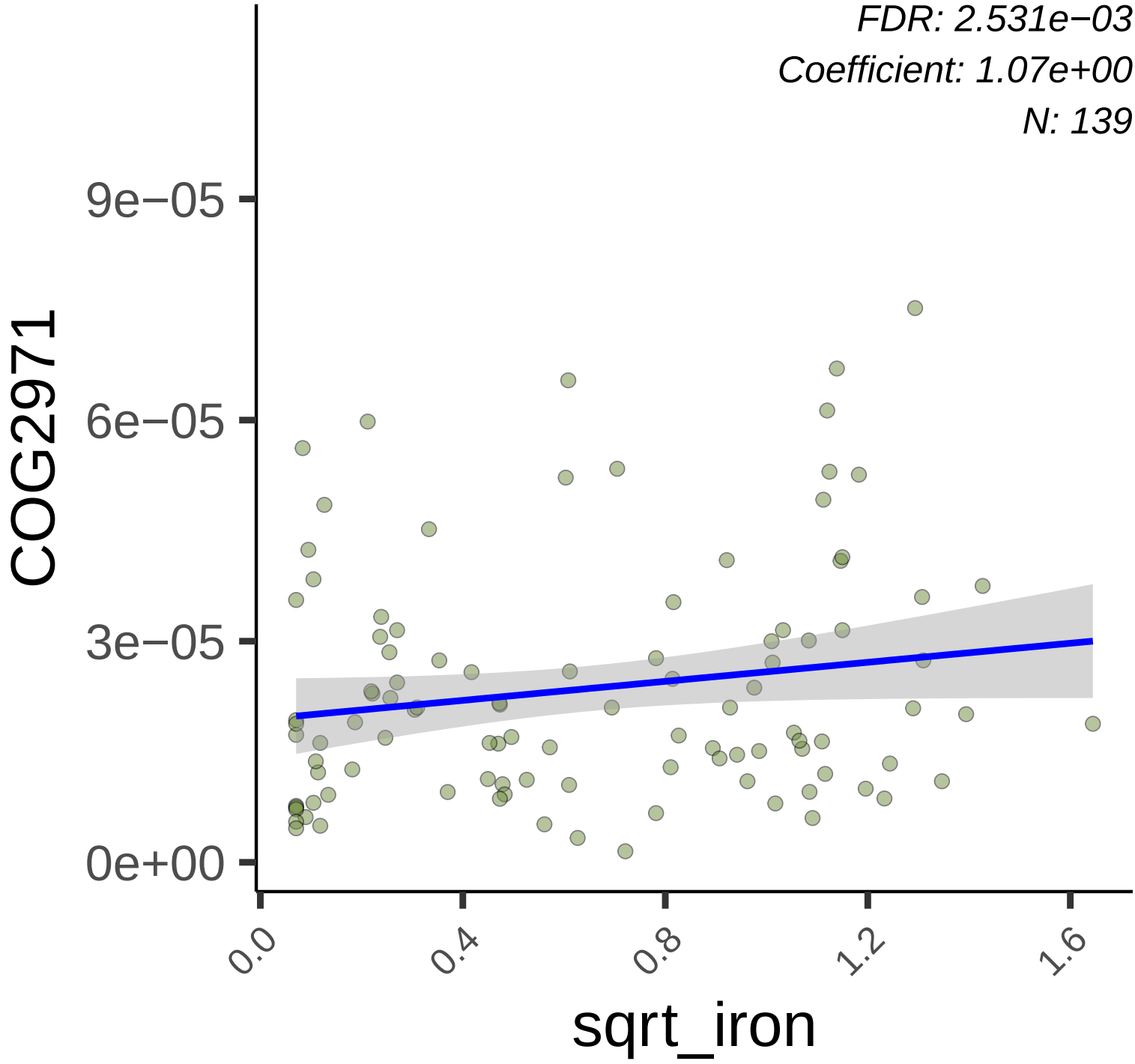
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.531e−03
Coefficient: 1.07e+00
N: 139
COG2971
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6e−05
3e−05
0e+00
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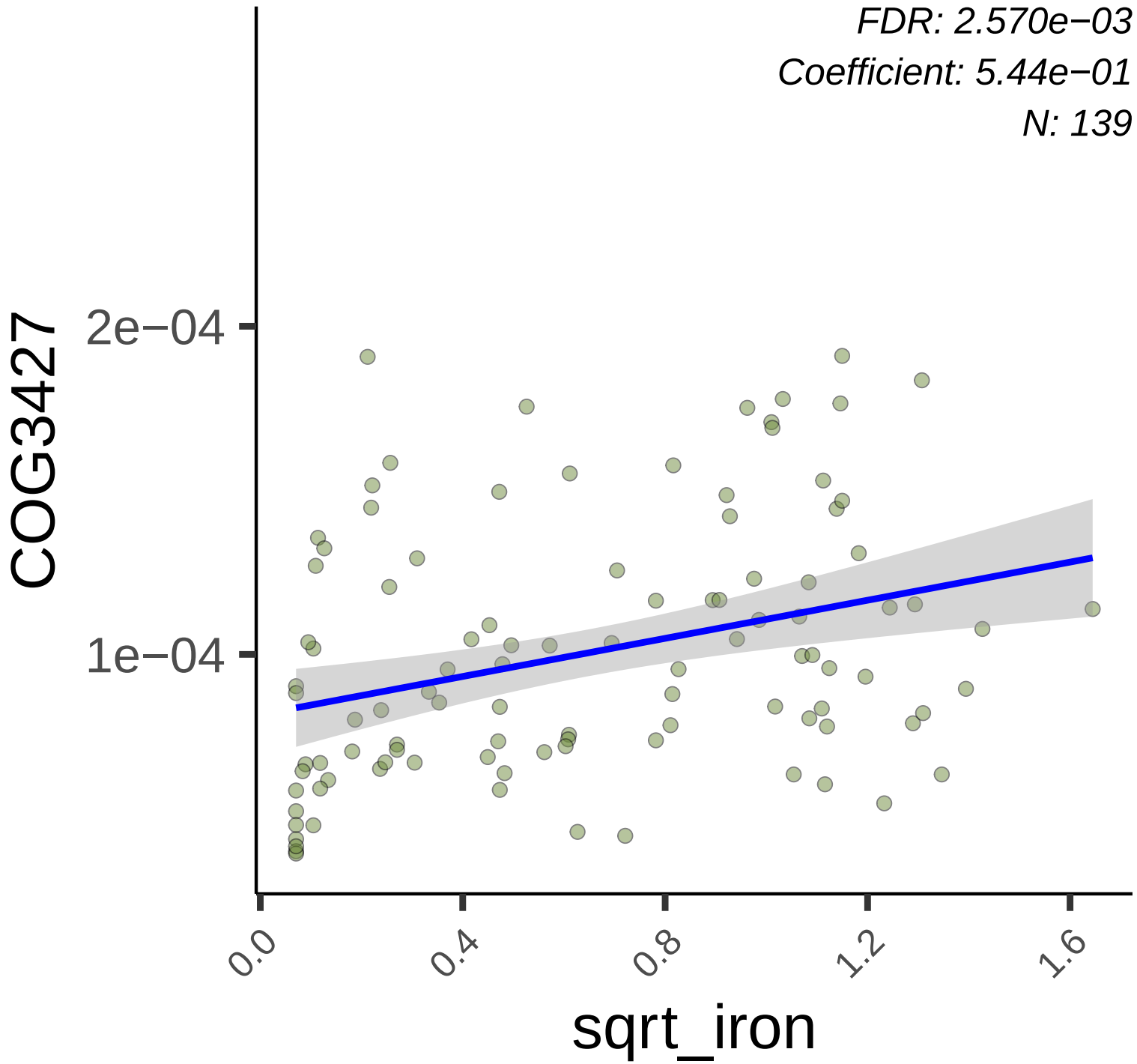
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.570e−03
Coefficient: 5.44e−01
N: 139
COG3427
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1e−04
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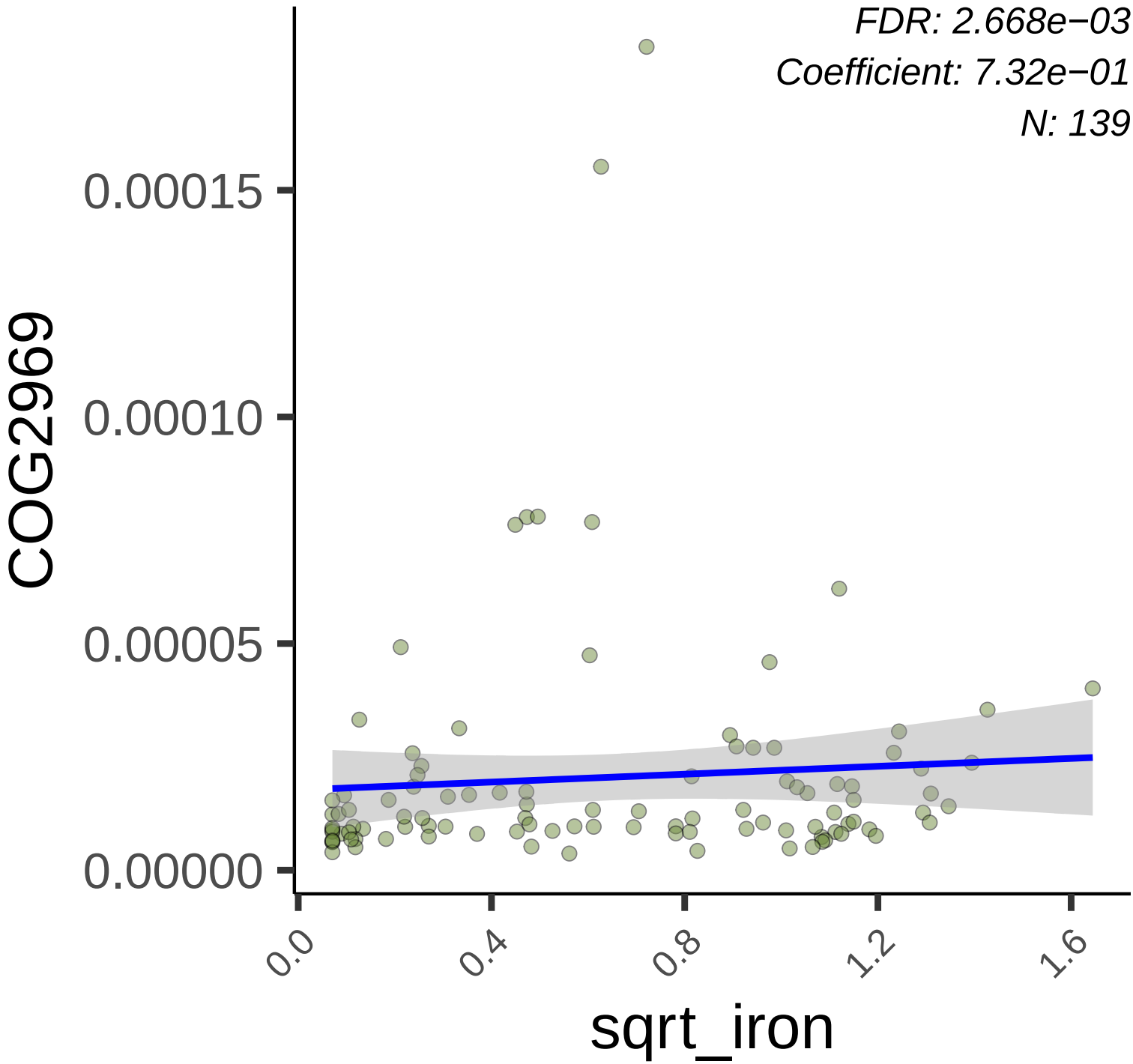
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.668e−03
Coefficient: 7.32e−01
N: 139
COG2969
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0.00010
0.00005
0.00000
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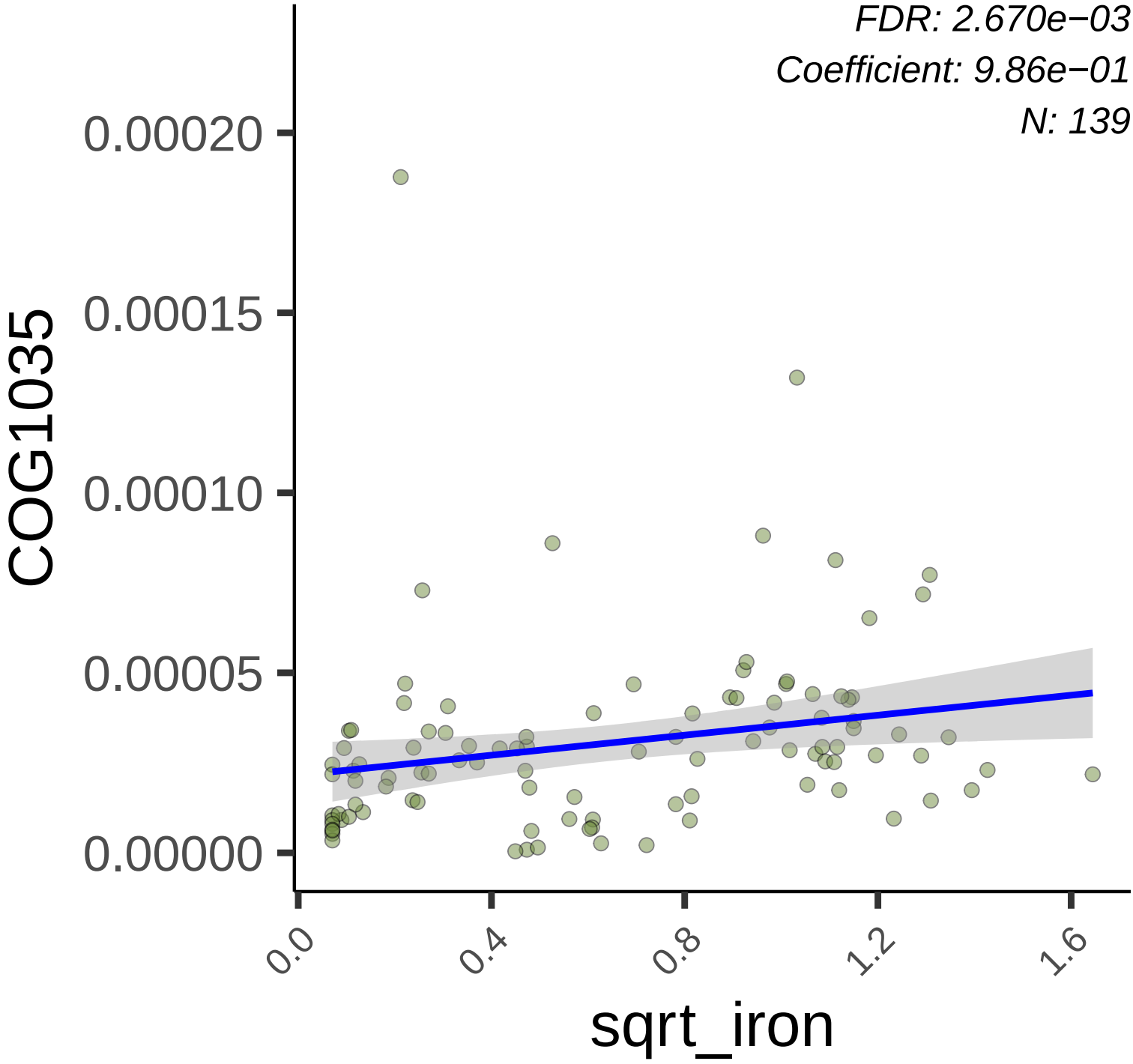
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.670e−03
Coefficient: 9.86e−01
N: 139
COG1035
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0.00010
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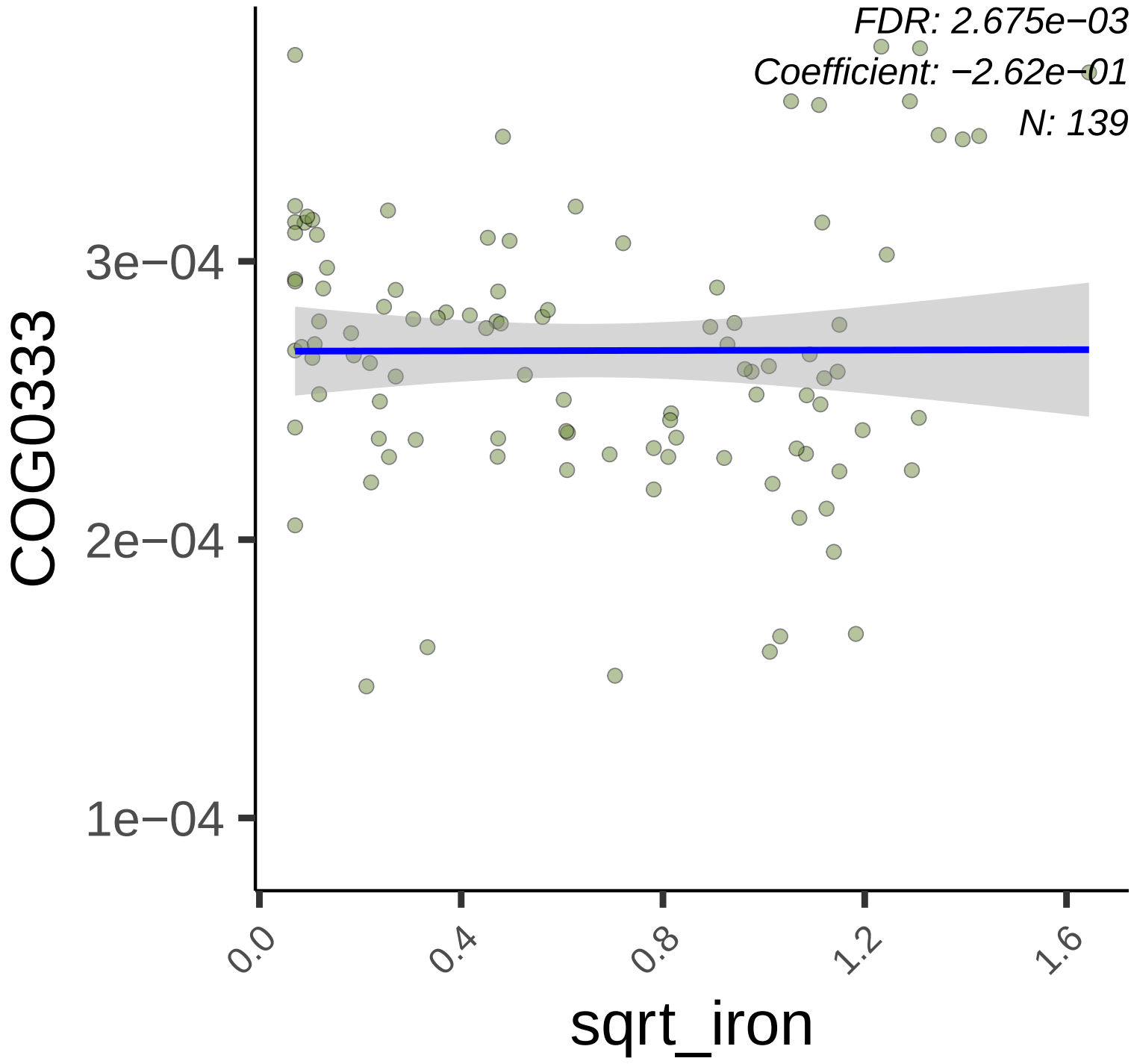
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.675e−03
Coefficient: −2.62e−01
N: 139
COG0333
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2e−04
1e−04
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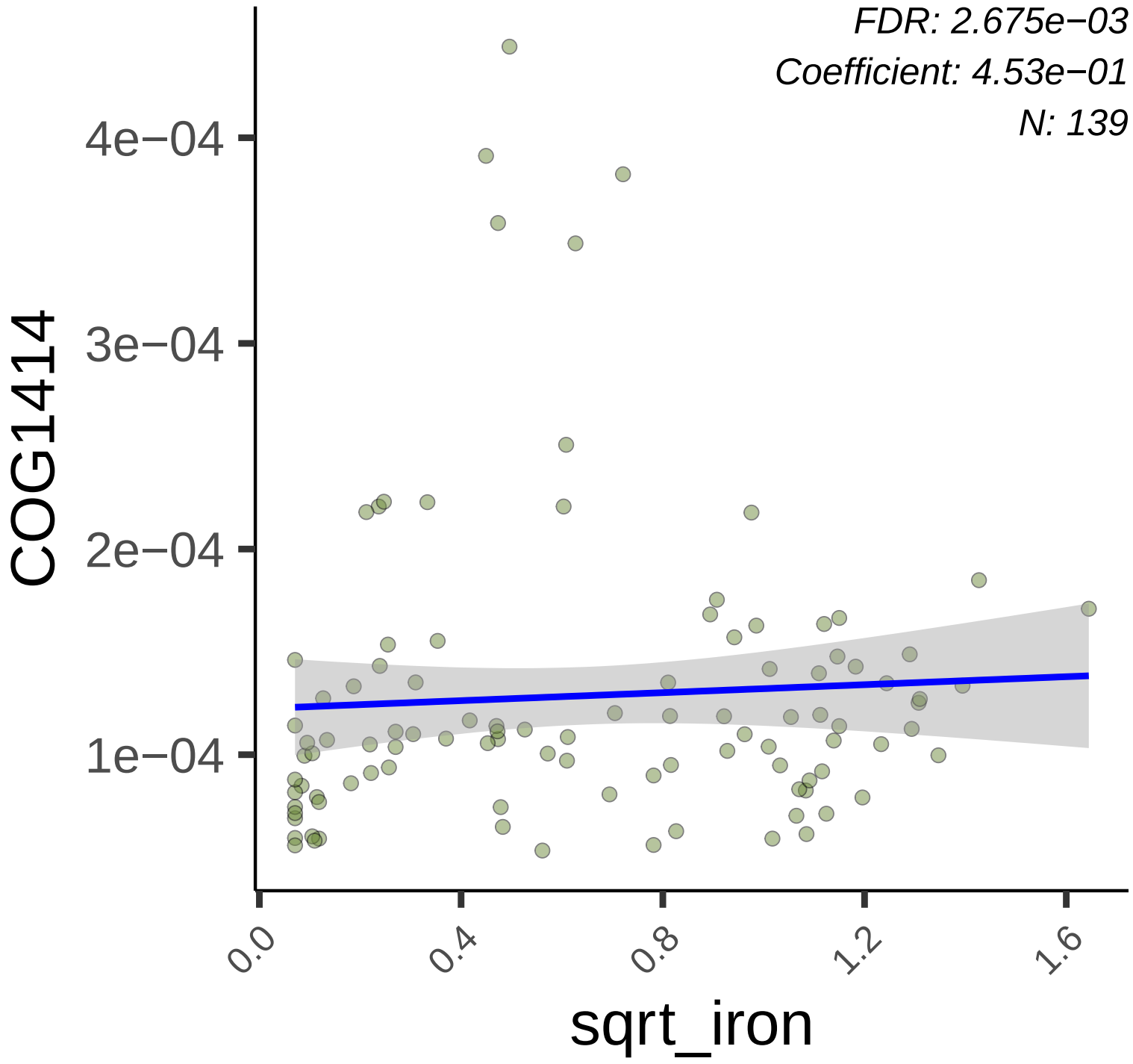
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.675e−03
Coefficient: 4.53e−01
N: 139
COG1414
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3e−04
2e−04
1e−04
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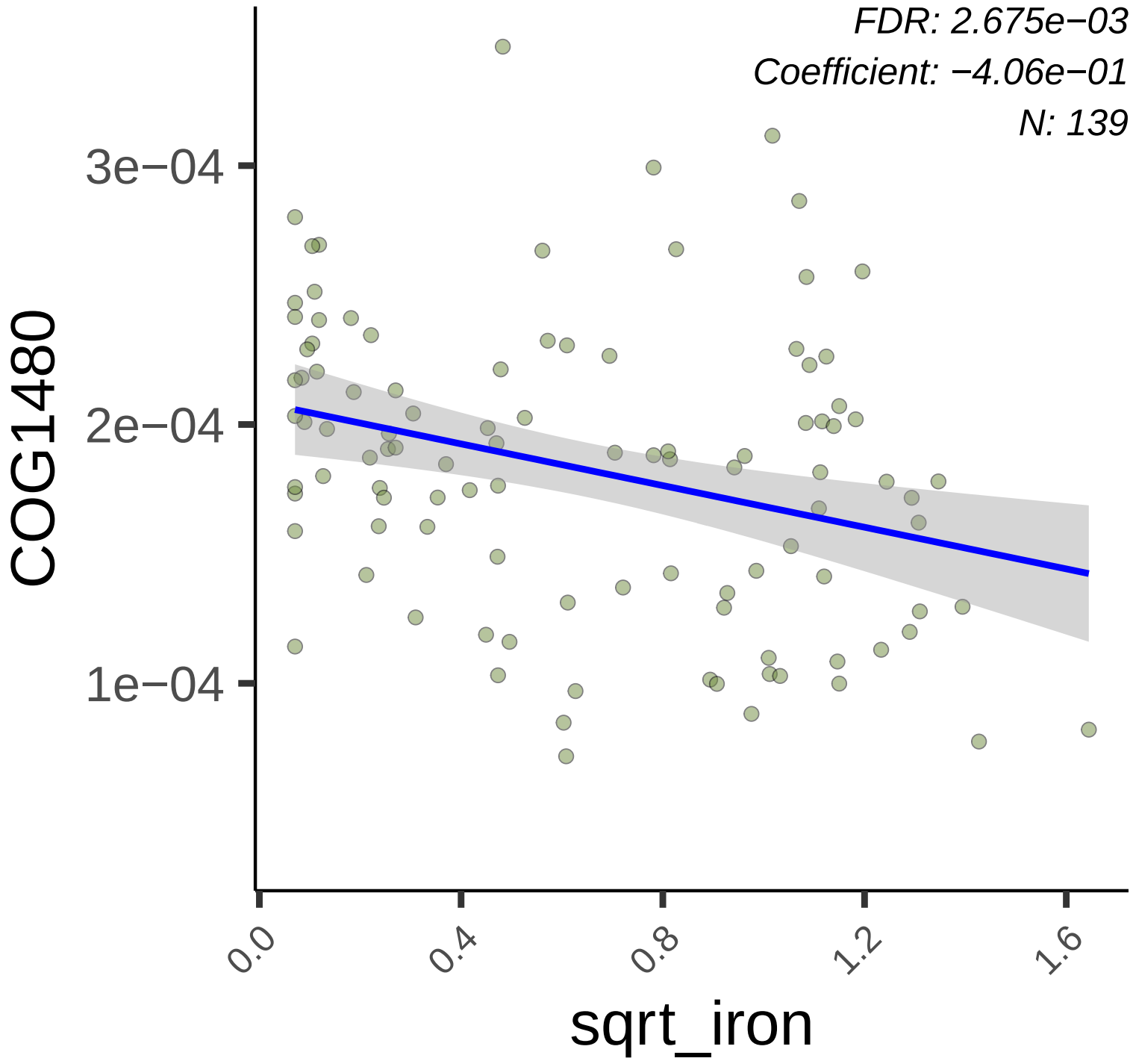
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.675e−03
Coefficient: −4.06e−01
N: 139
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2e−04
1e−04
COG1480
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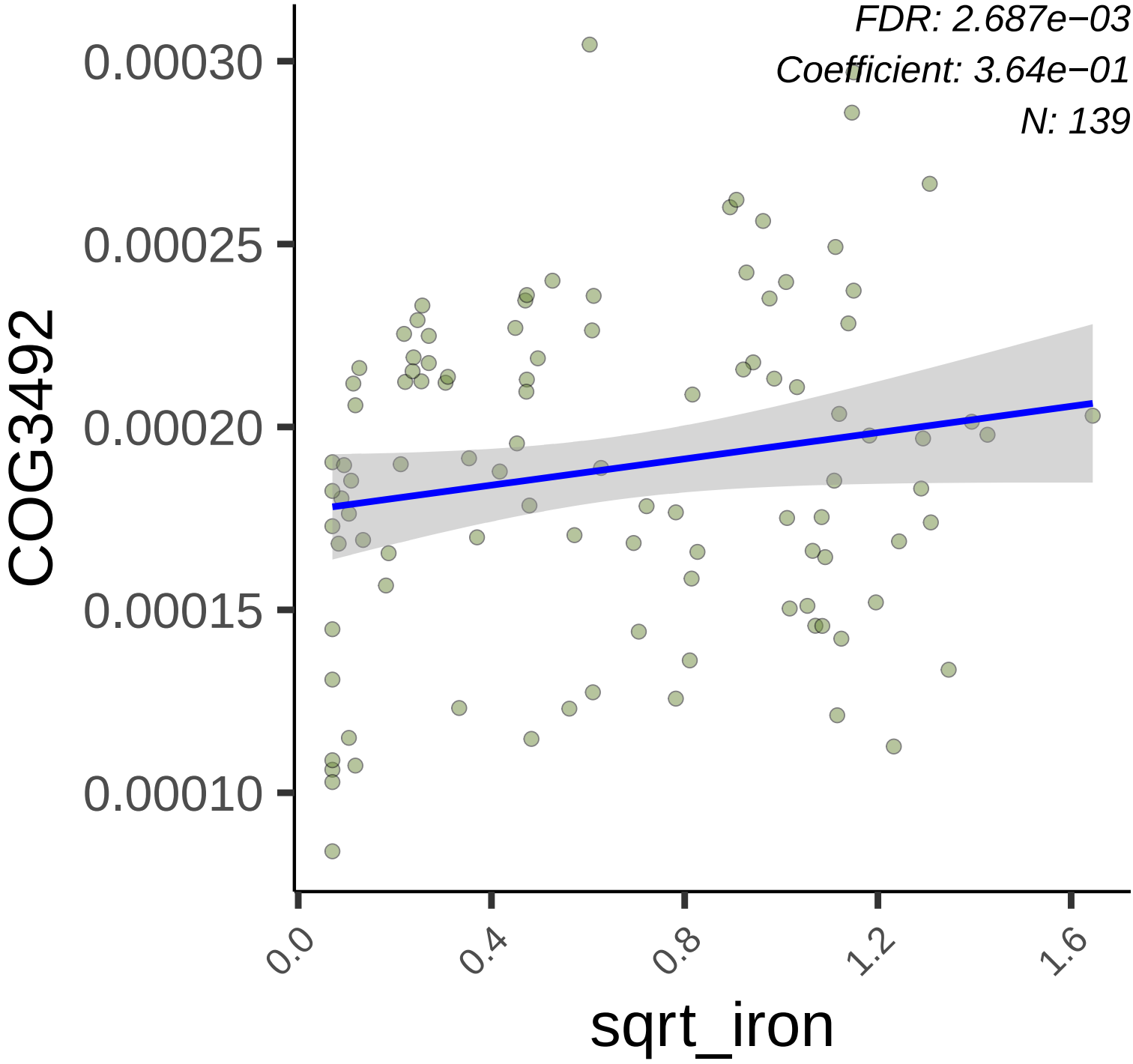
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.687e−03
Coefficient: 3.64e−01
N: 139
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0.00015
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COG3492
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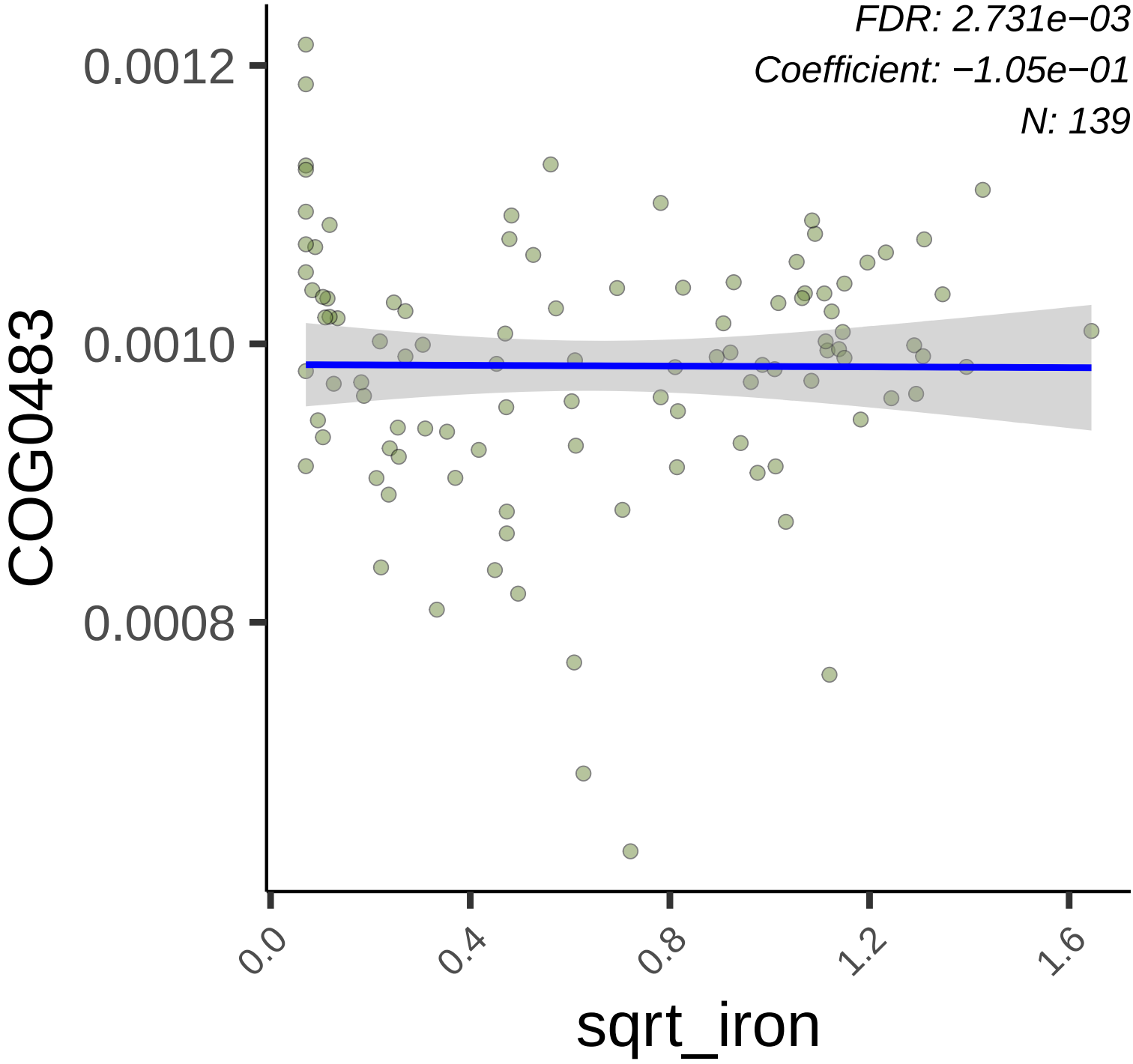
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.731e−03
Coefficient: −1.05e−01
N: 139
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0.0010
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COG0483
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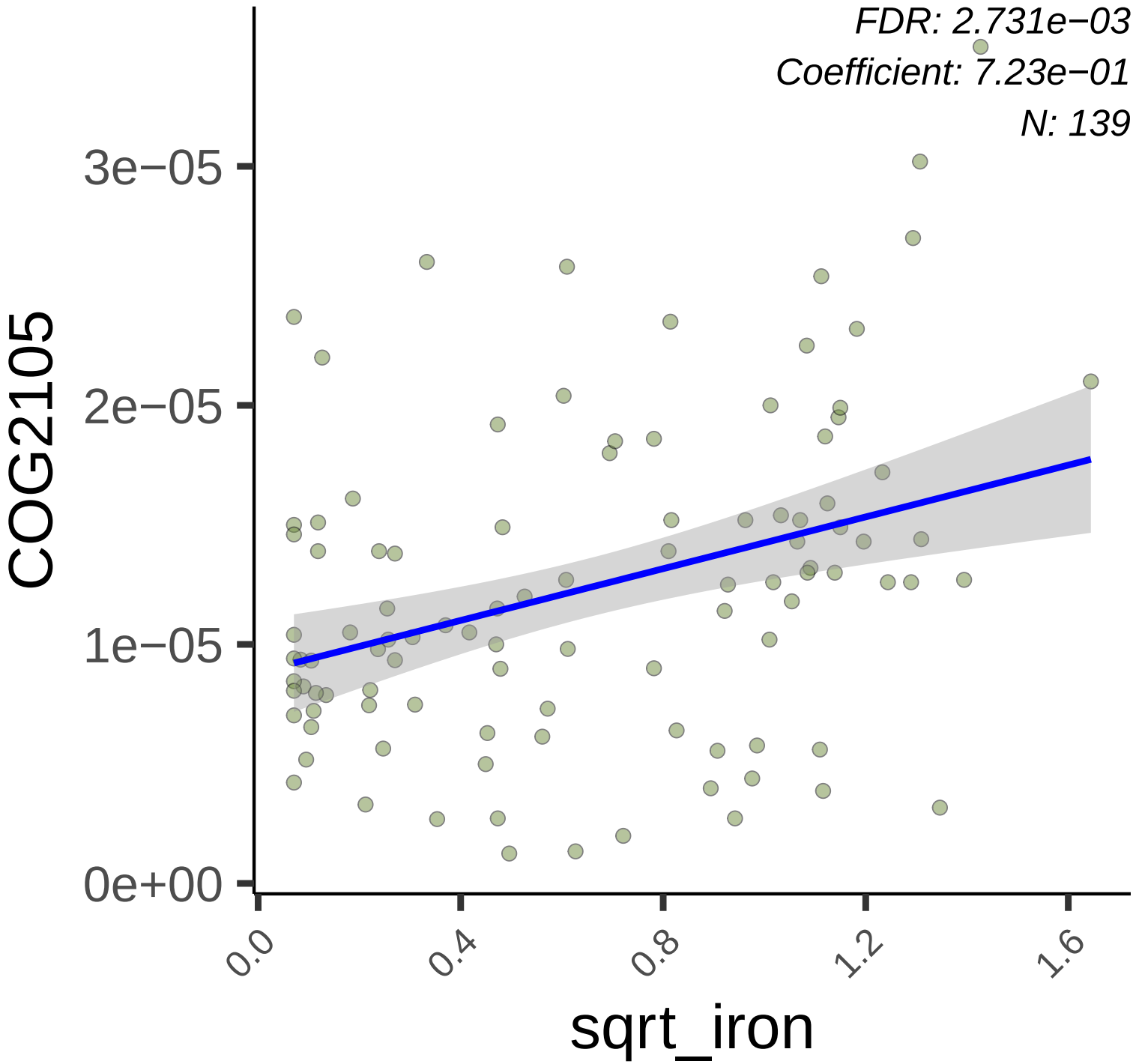
0.8
1.2
1.6
sqrt_iron


FDR: 2.731e−03
Coefficient: 7.23e−01
N: 139
COG2105
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2e−05
1e−05
0e+00
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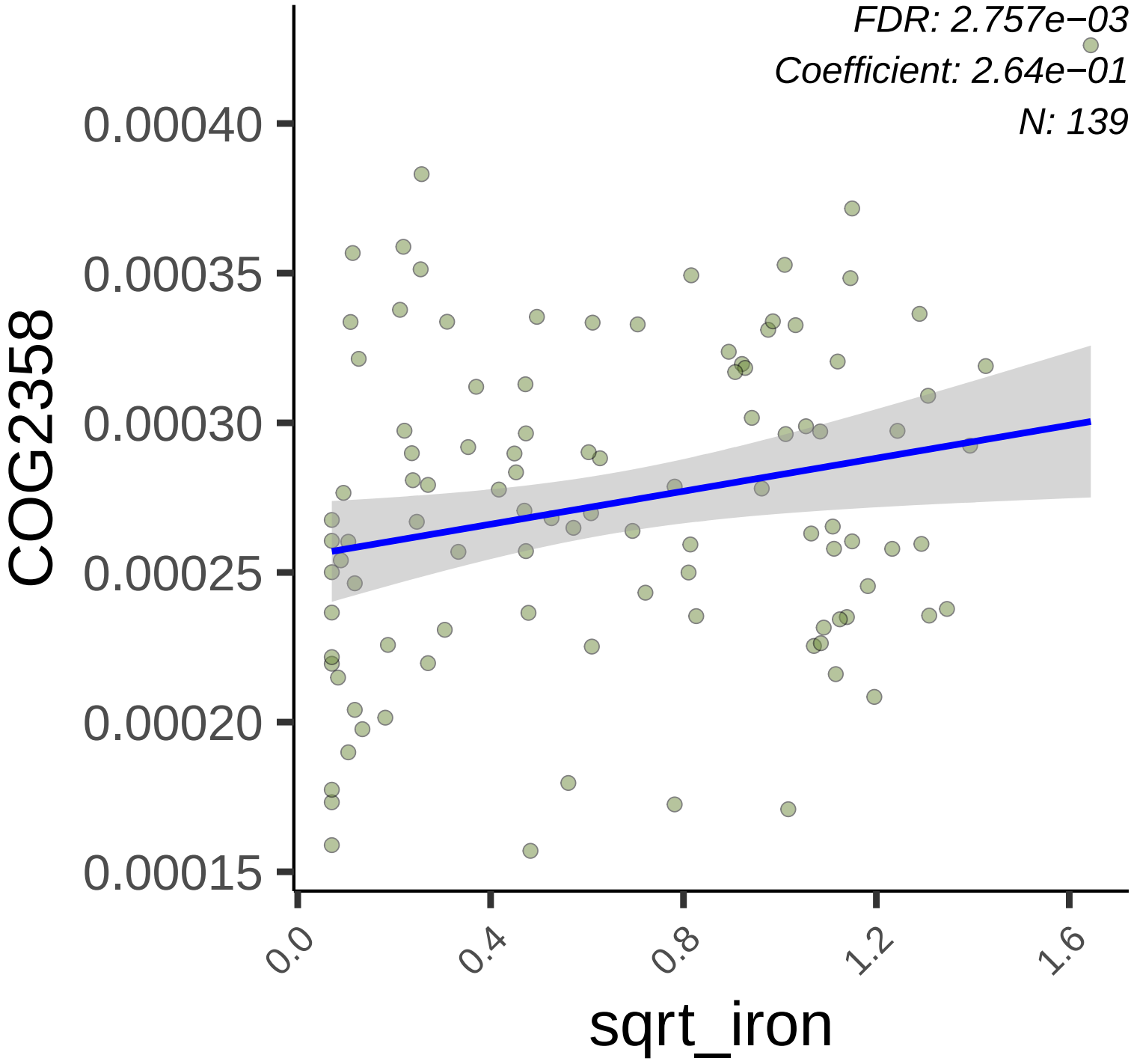
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.757e−03
Coefficient: 2.64e−01
N: 139
COG2358
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0.00020
0.00015
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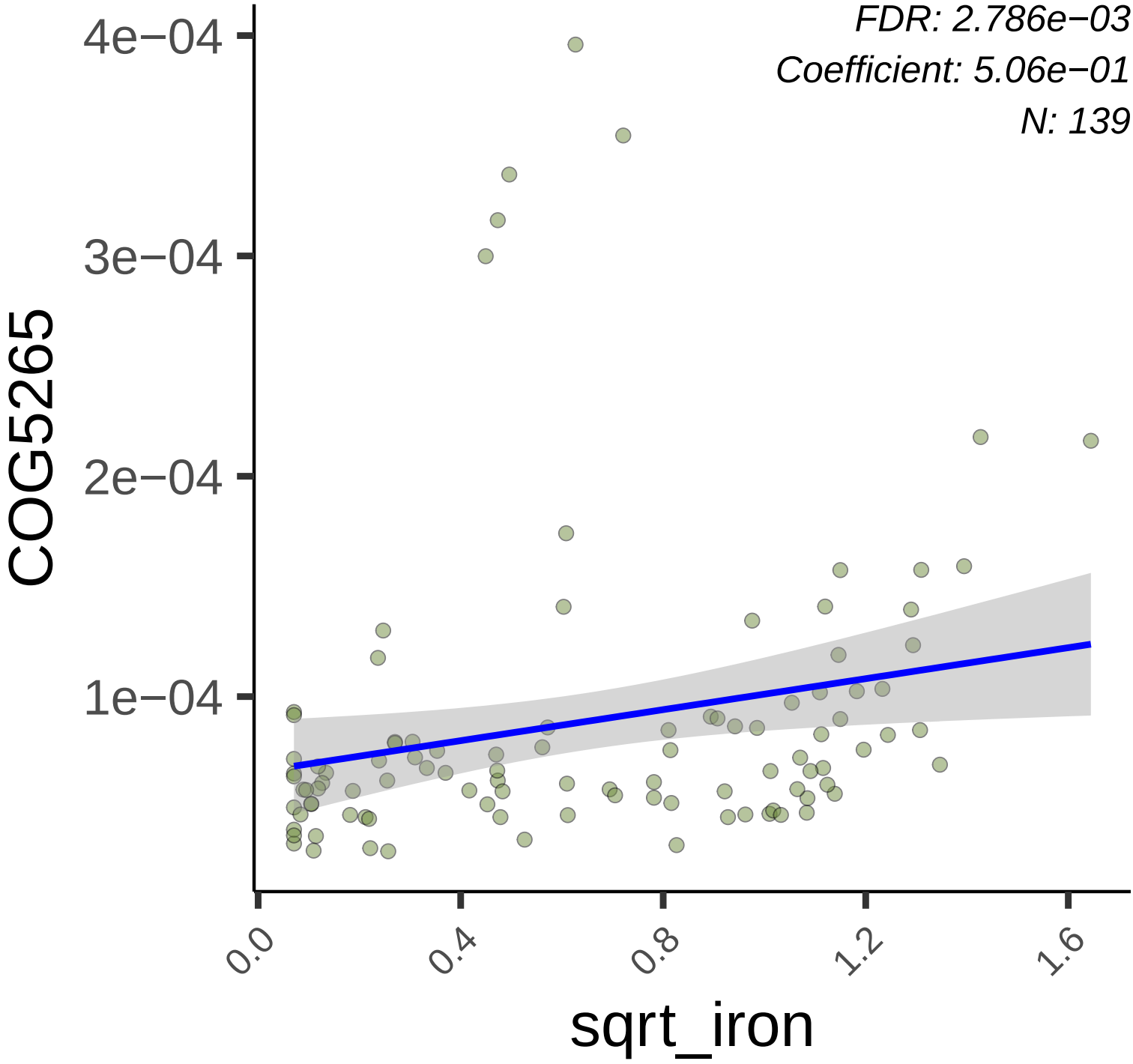
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.786e−03
Coefficient: 5.06e−01
N: 139
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2e−04
1e−04
COG5265
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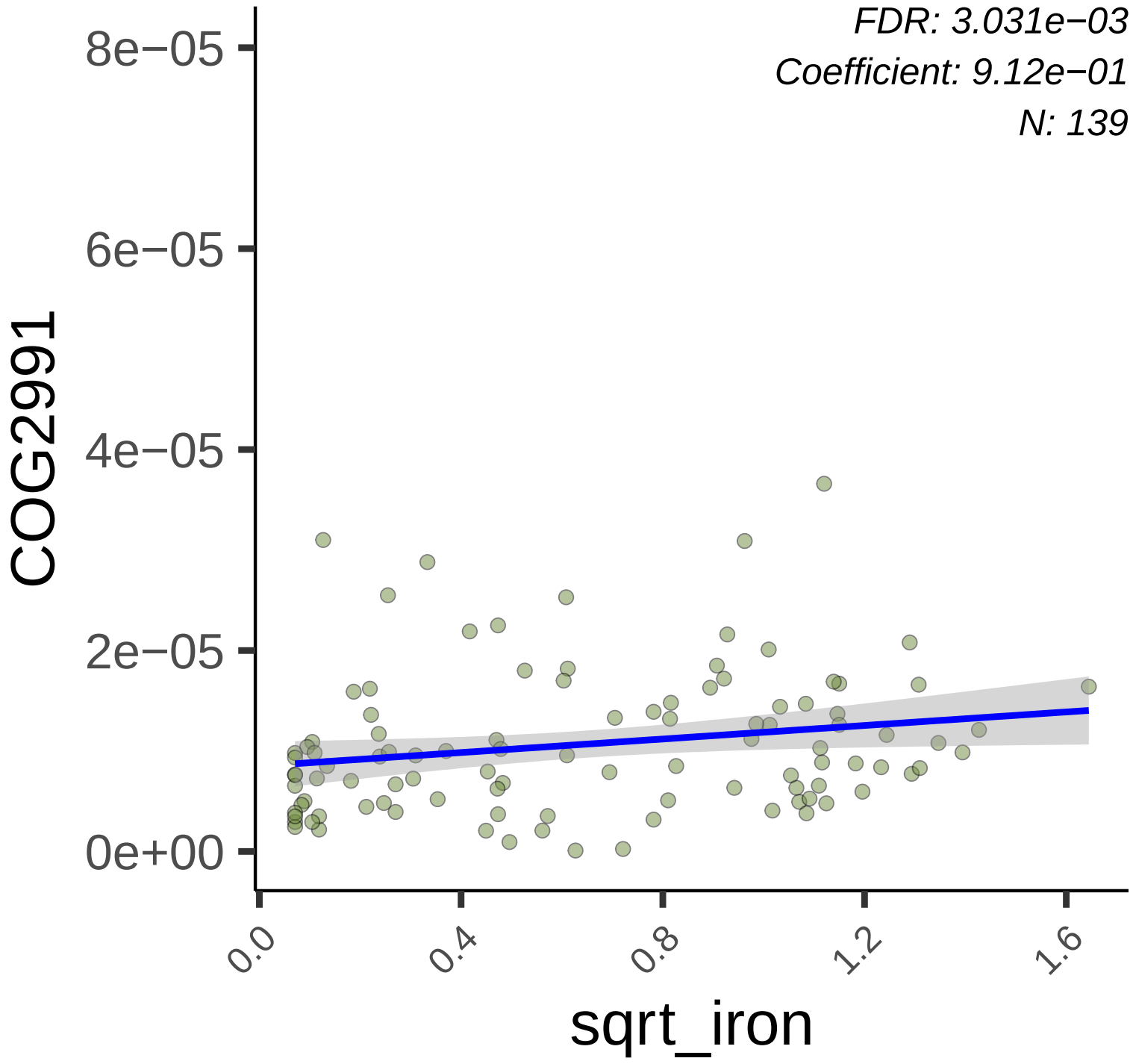
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.031e−03
Coefficient: 9.12e−01
N: 139
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6e−05
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2e−05
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COG2991
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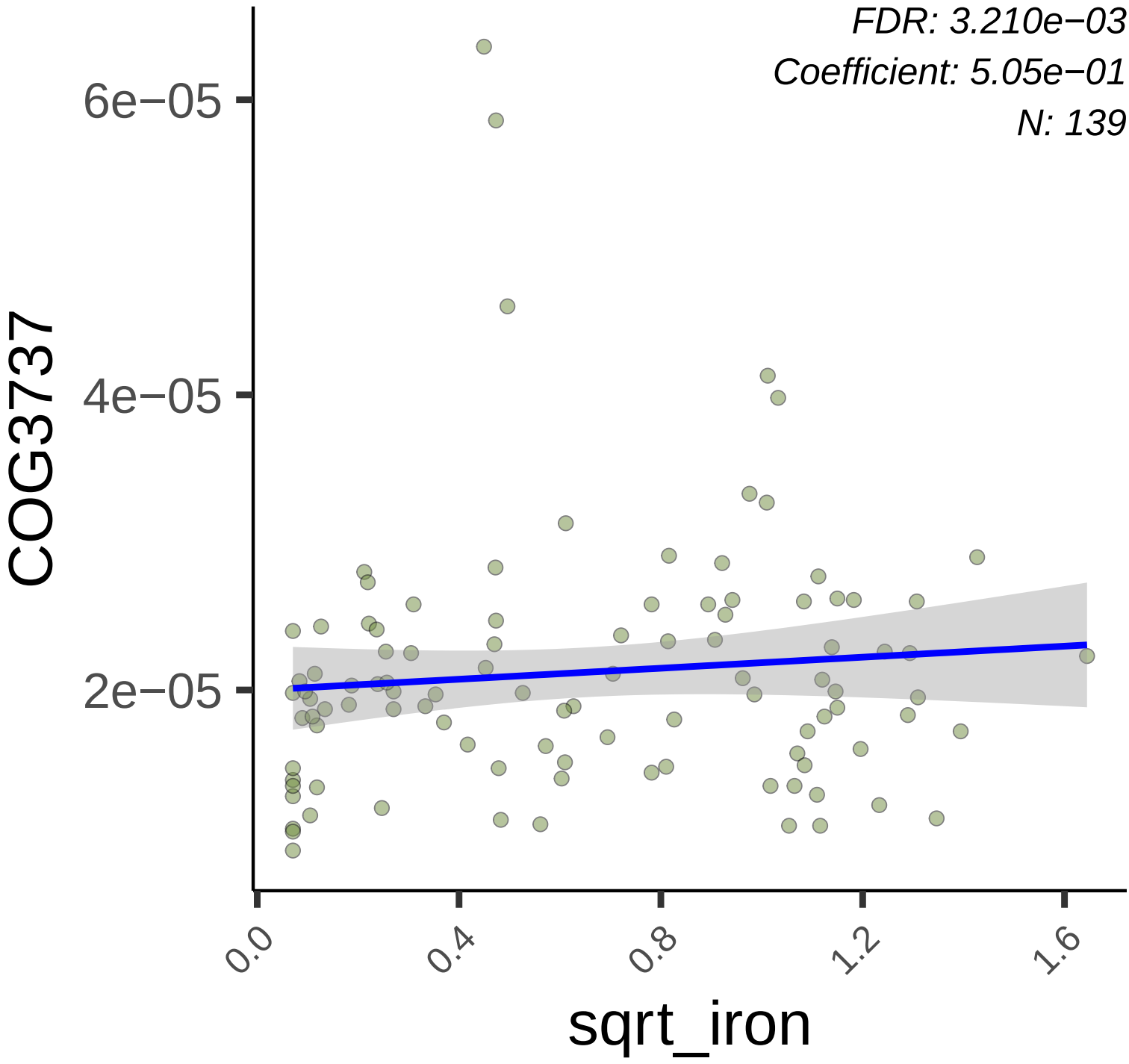
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.210e−03
Coefficient: 5.05e−01
N: 139
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4e−05
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COG3737
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0.4
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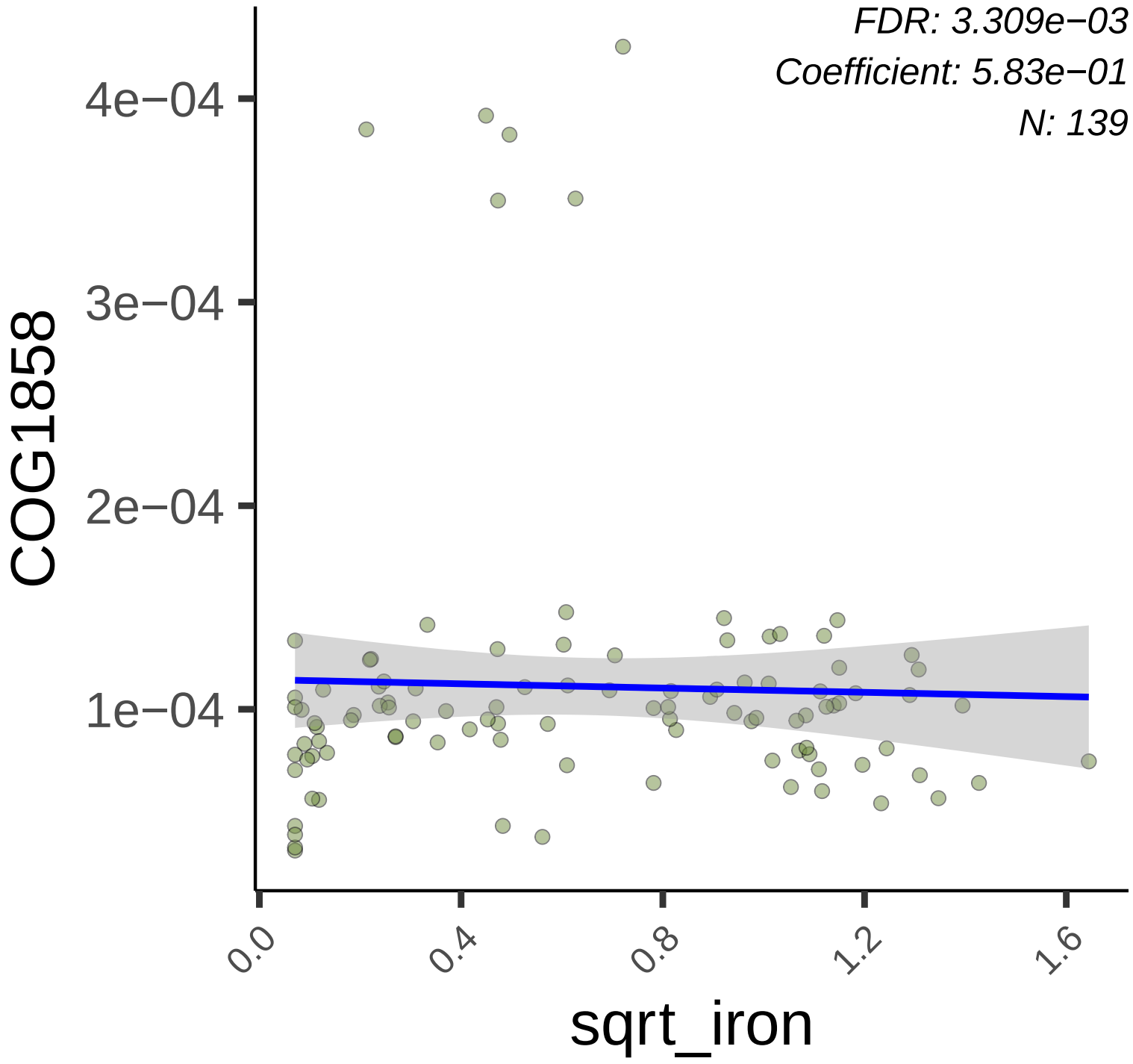
1.2
1.6
sqrt_iron


FDR: 3.309e−03
Coefficient: 5.83e−01
N: 139
COG1858
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0.4
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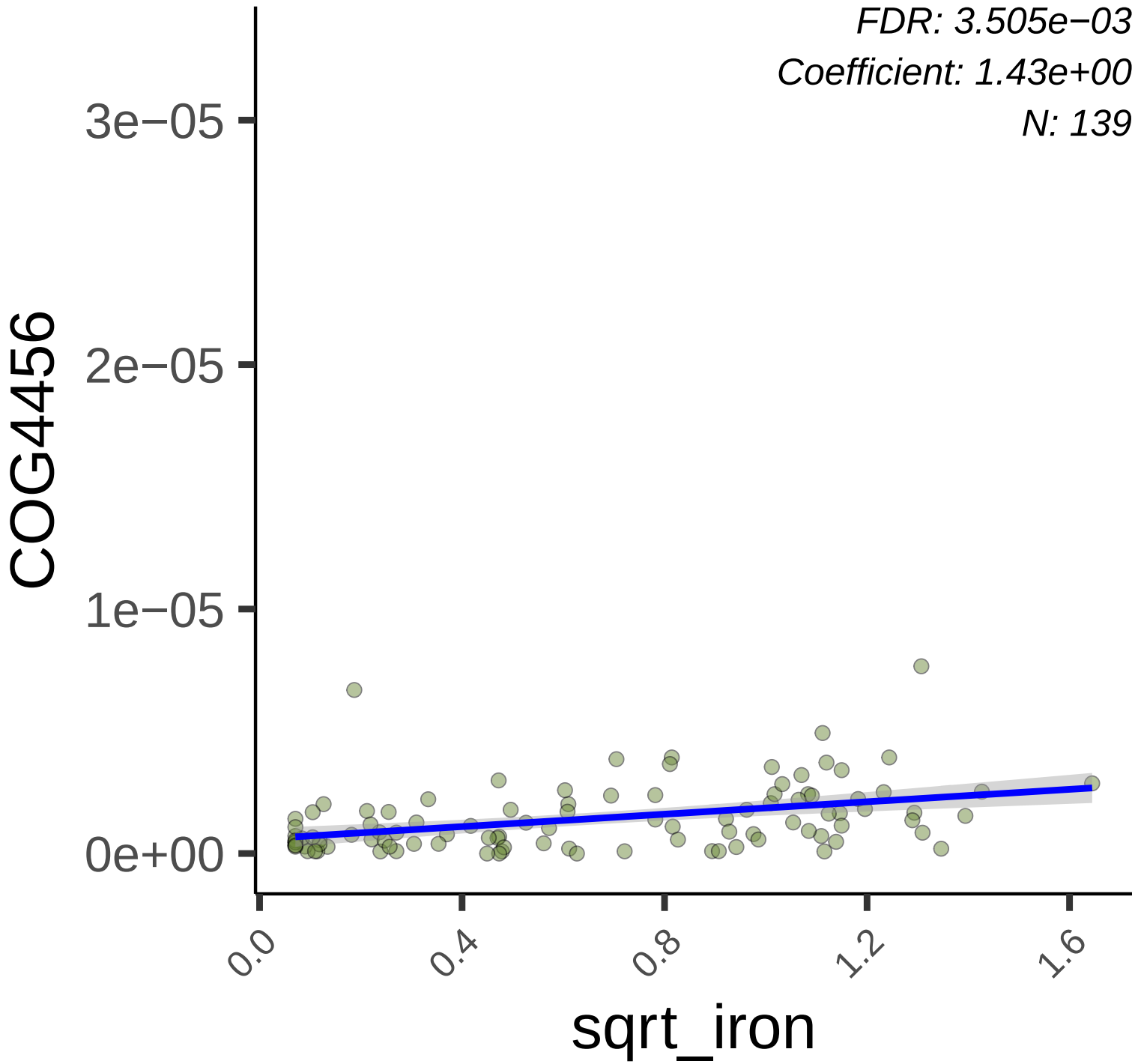
1.6
sqrt_iron


FDR: 3.505e−03
Coefficient: 1.43e+00
N: 139
COG4456
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0.8
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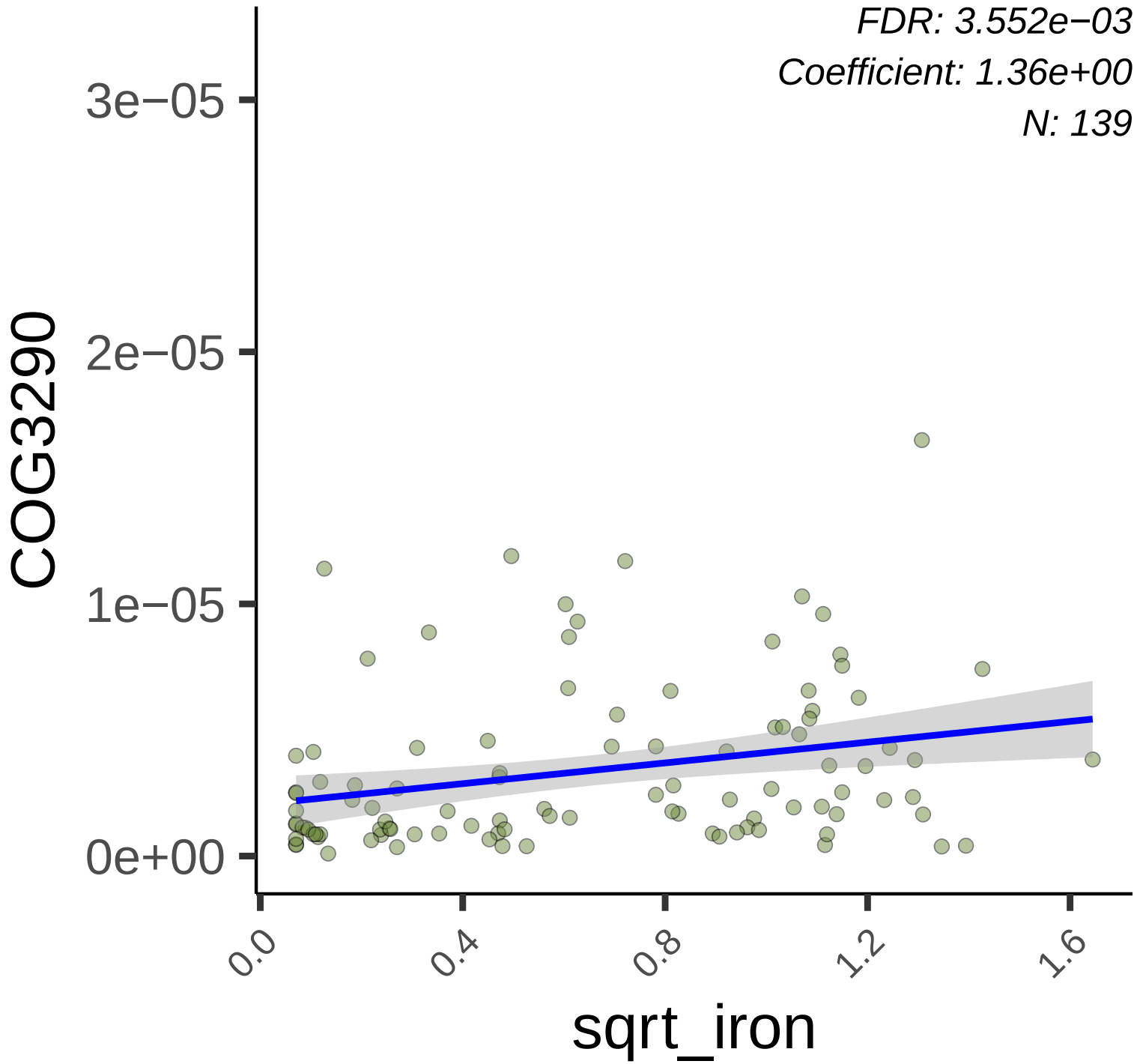
1.6
sqrt_iron


FDR: 3.552e−03
Coefficient: 1.36e+00
N: 139
COG3290
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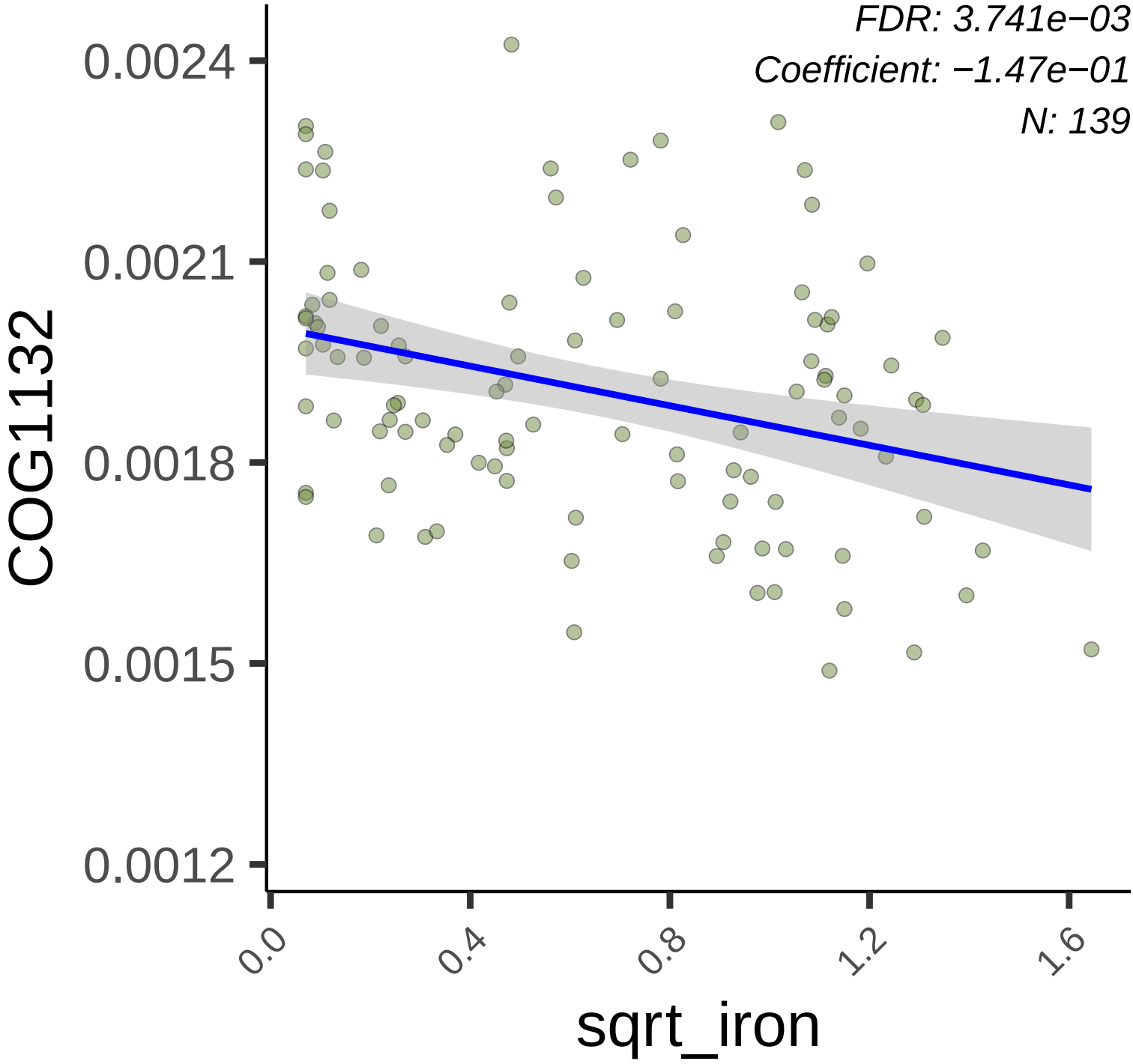
1.6
sqrt_iron


FDR: 3.741e−03
Coefficient: −1.47e−01
N: 139
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0.0021
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COG1132
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0.4
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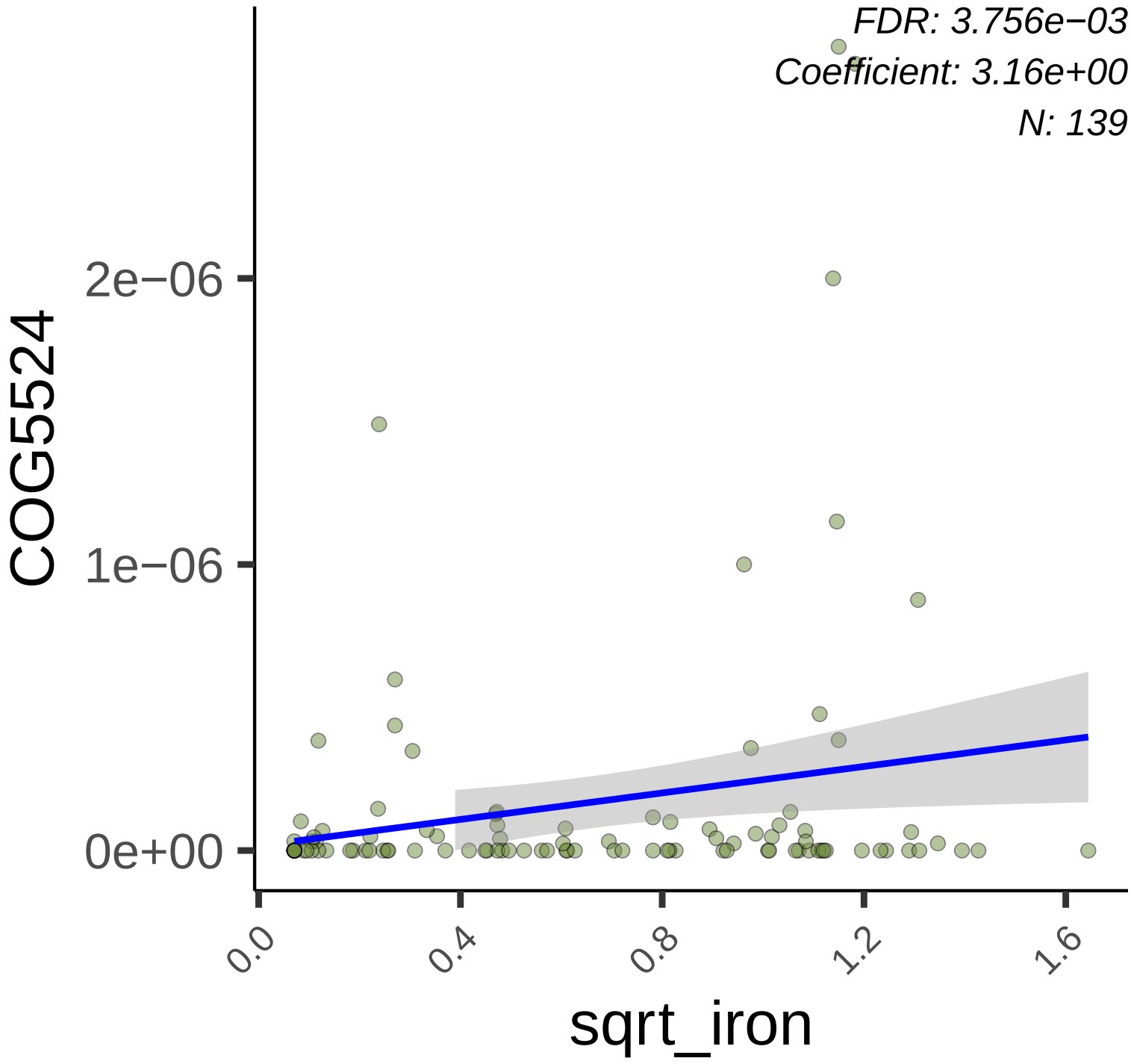
sqrt_iron


FDR: 3.756e−03
Coefficient: 3.16e+00
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0.8
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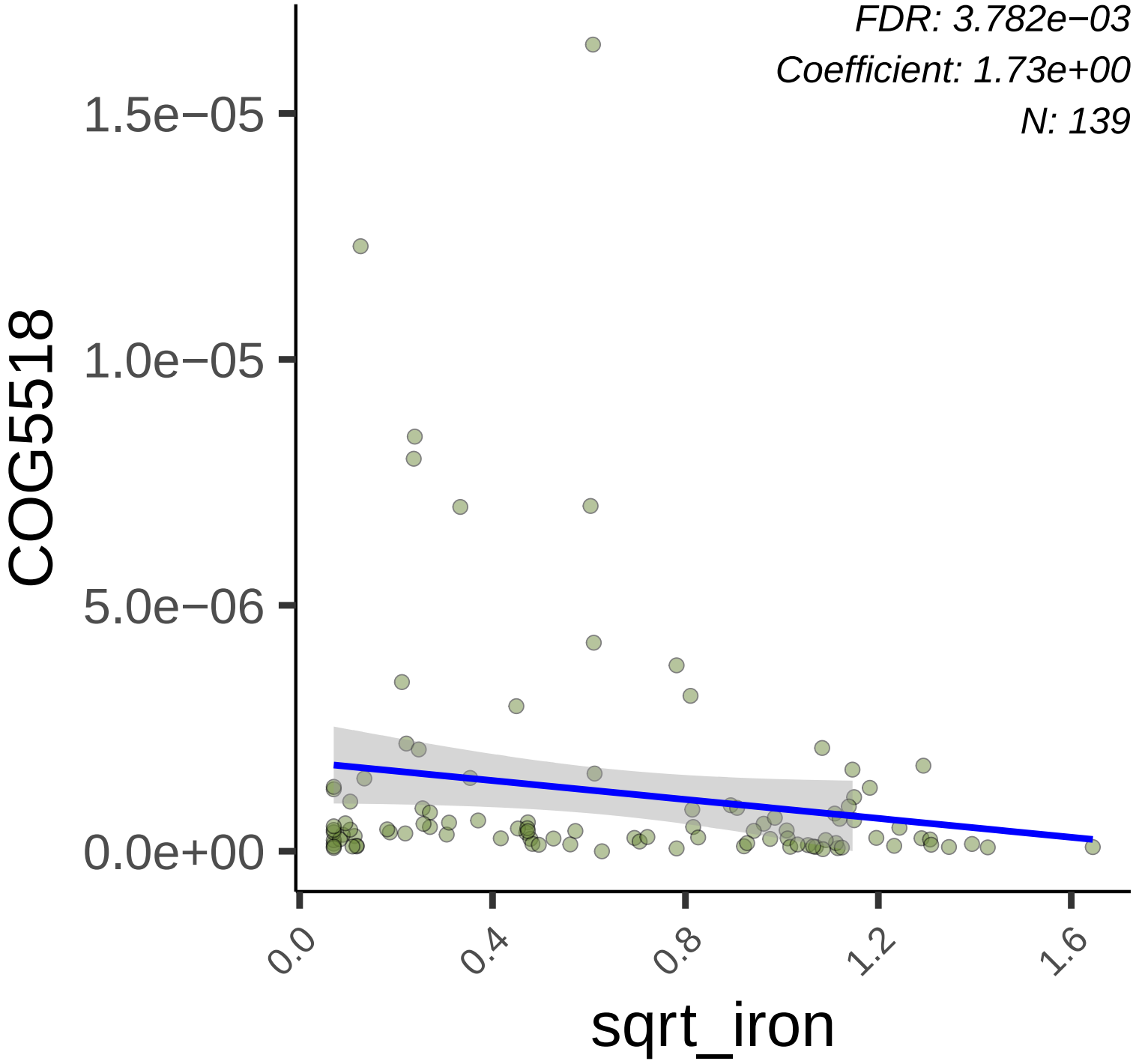
1.6
sqrt_iron


FDR: 3.782e−03
Coefficient: 1.73e+00
N: 139
COG5518
1.5e−05
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5.0e−06
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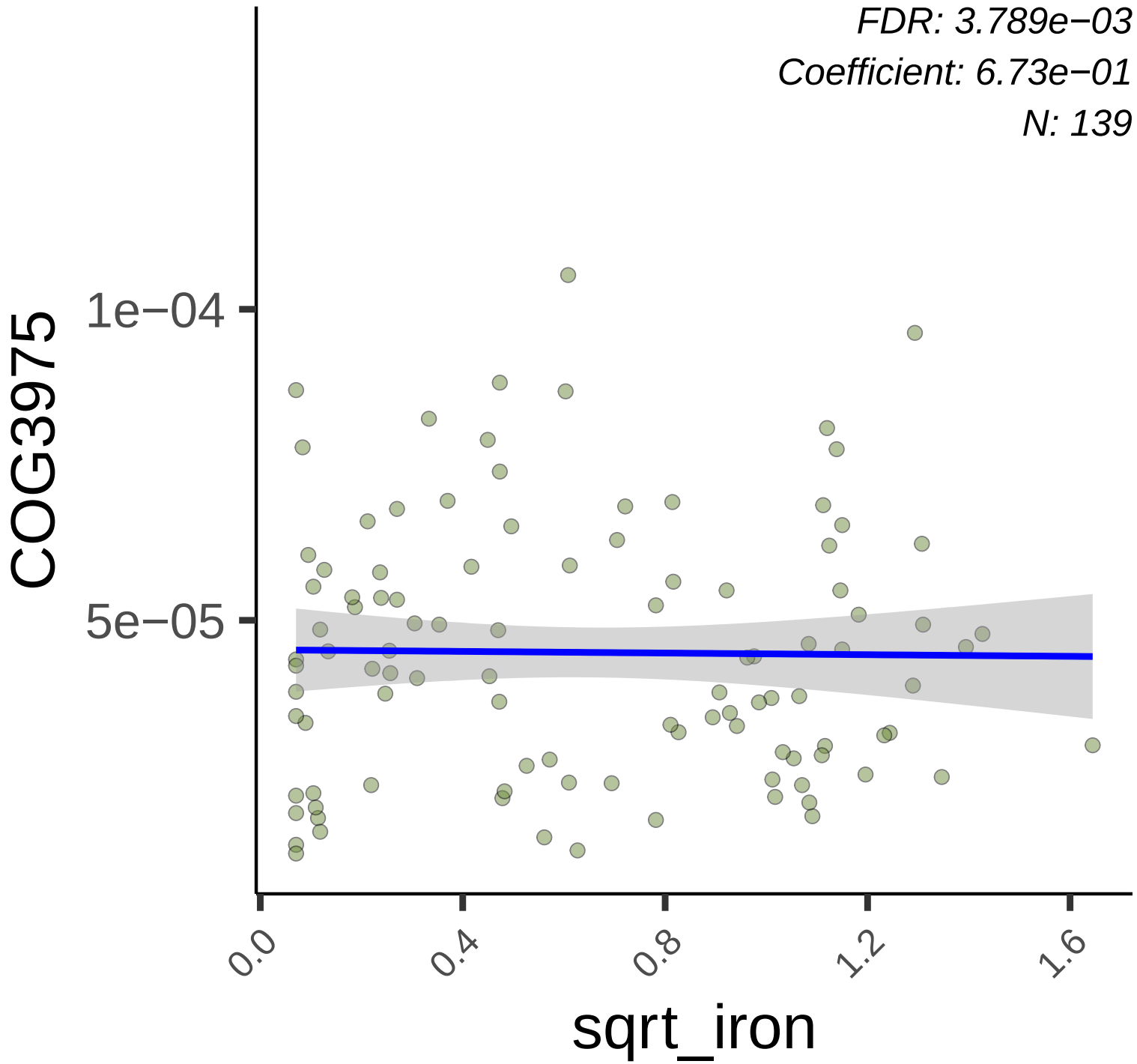
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.789e−03
Coefficient: 6.73e−01
N: 139
COG3975
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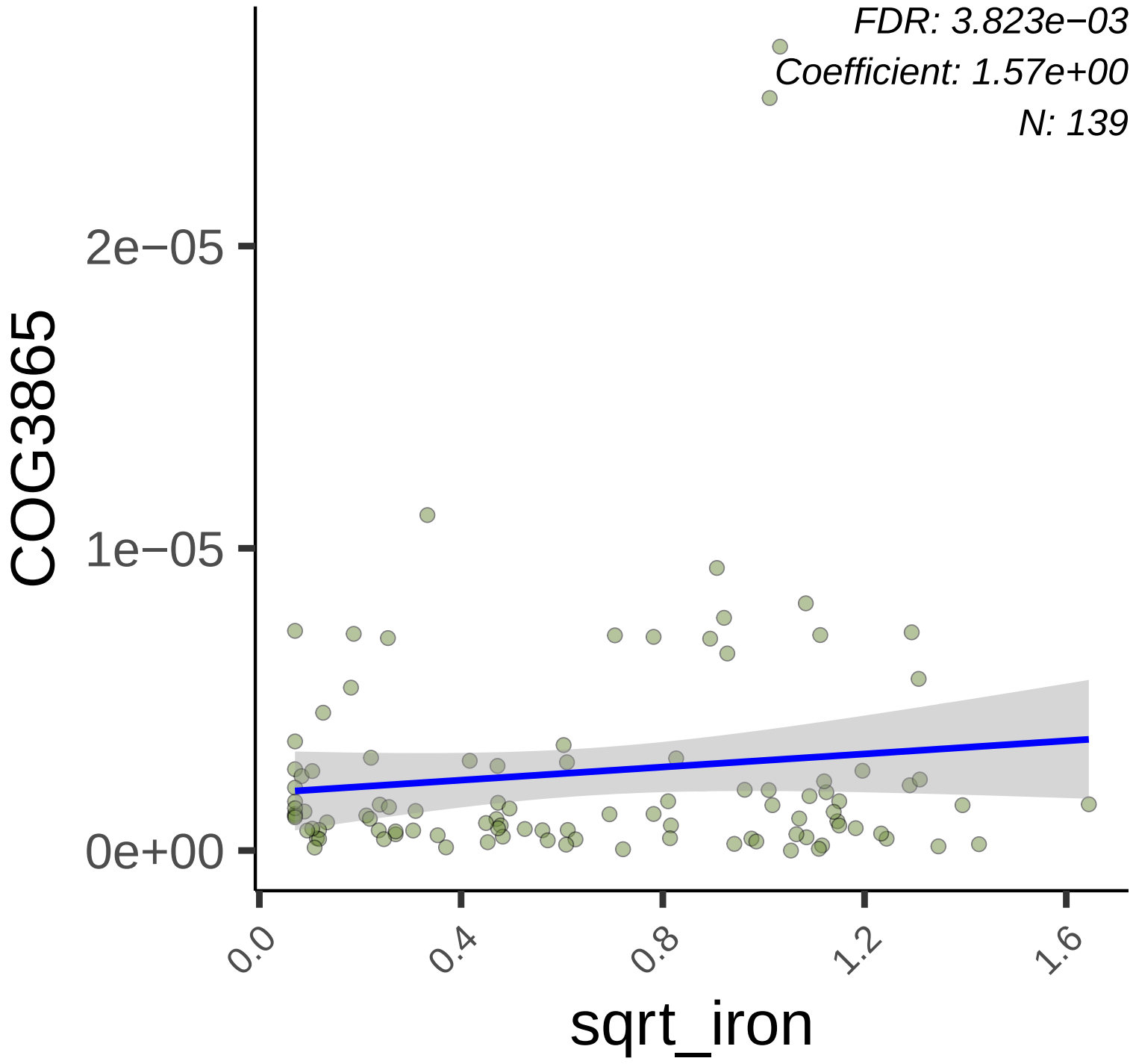
0.8
1.2
1.6
sqrt_iron


FDR: 3.823e−03
Coefficient: 1.57e+00
N: 139
COG3865
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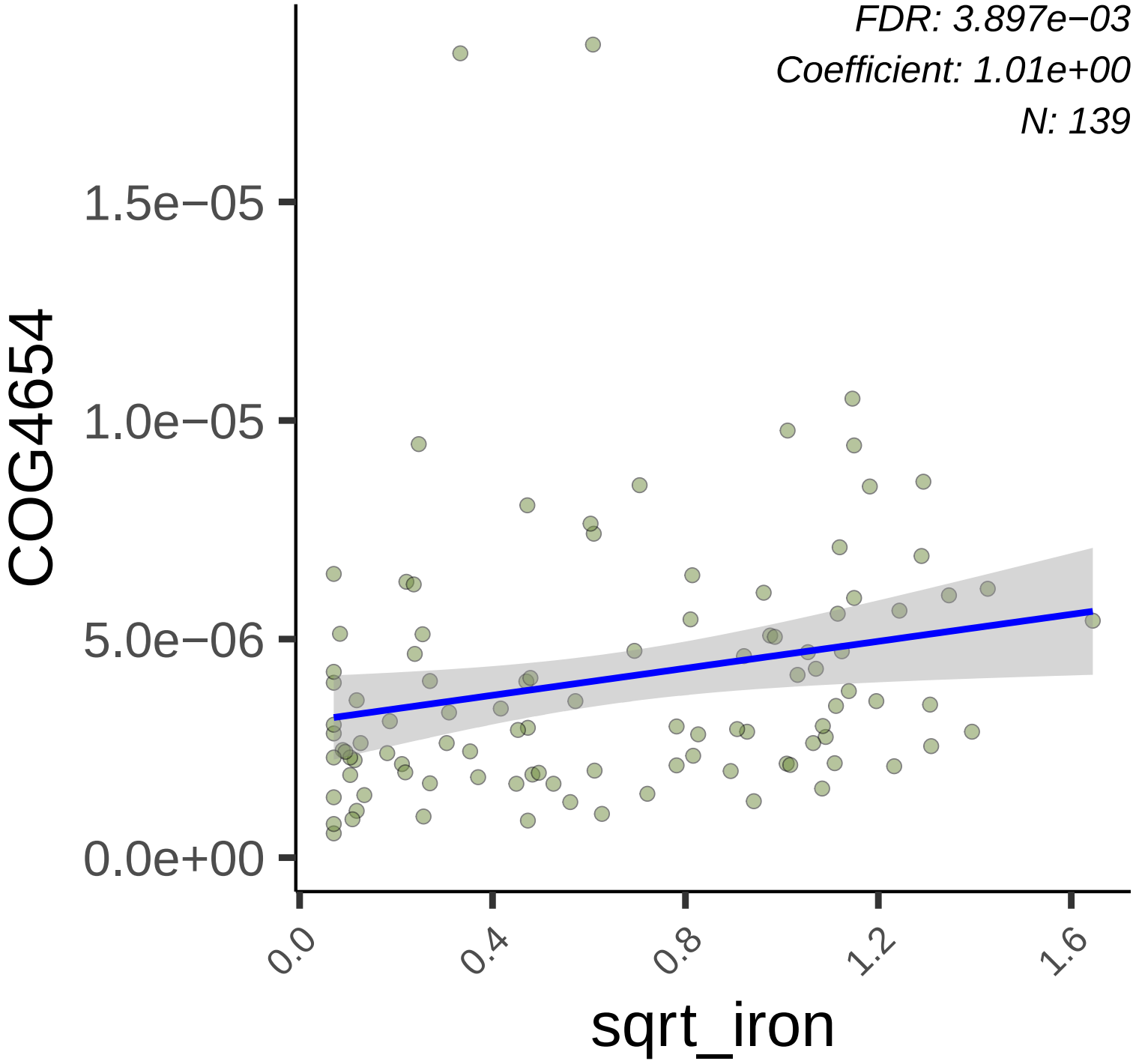
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.897e−03
Coefficient: 1.01e+00
N: 139
COG4654
1.5e−05
1.0e−05
5.0e−06
0.0e+00
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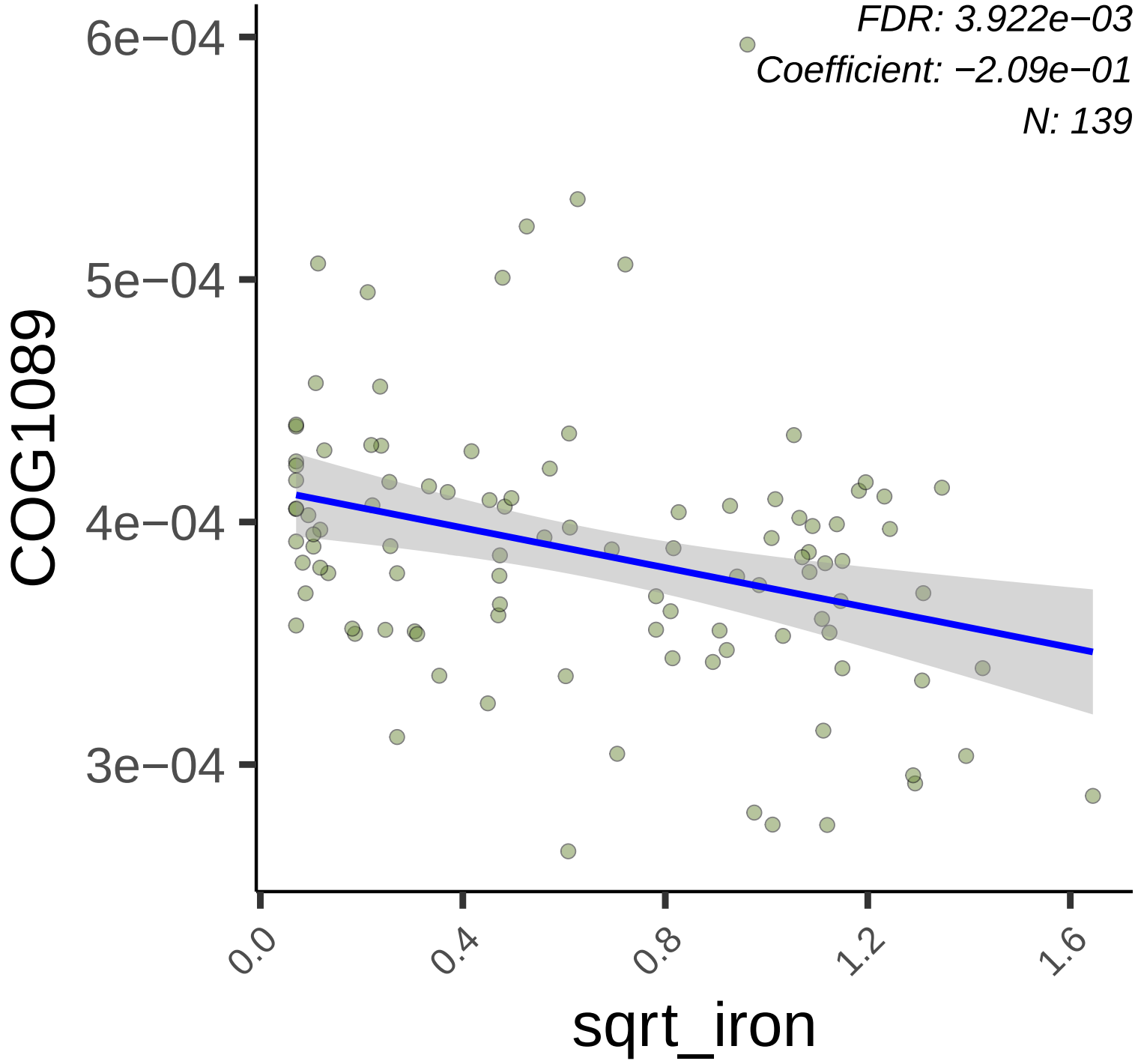
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.922e−03
Coefficient: −2.09e−01
N: 139
6e−04
5e−04
4e−04
3e−04
COG1089
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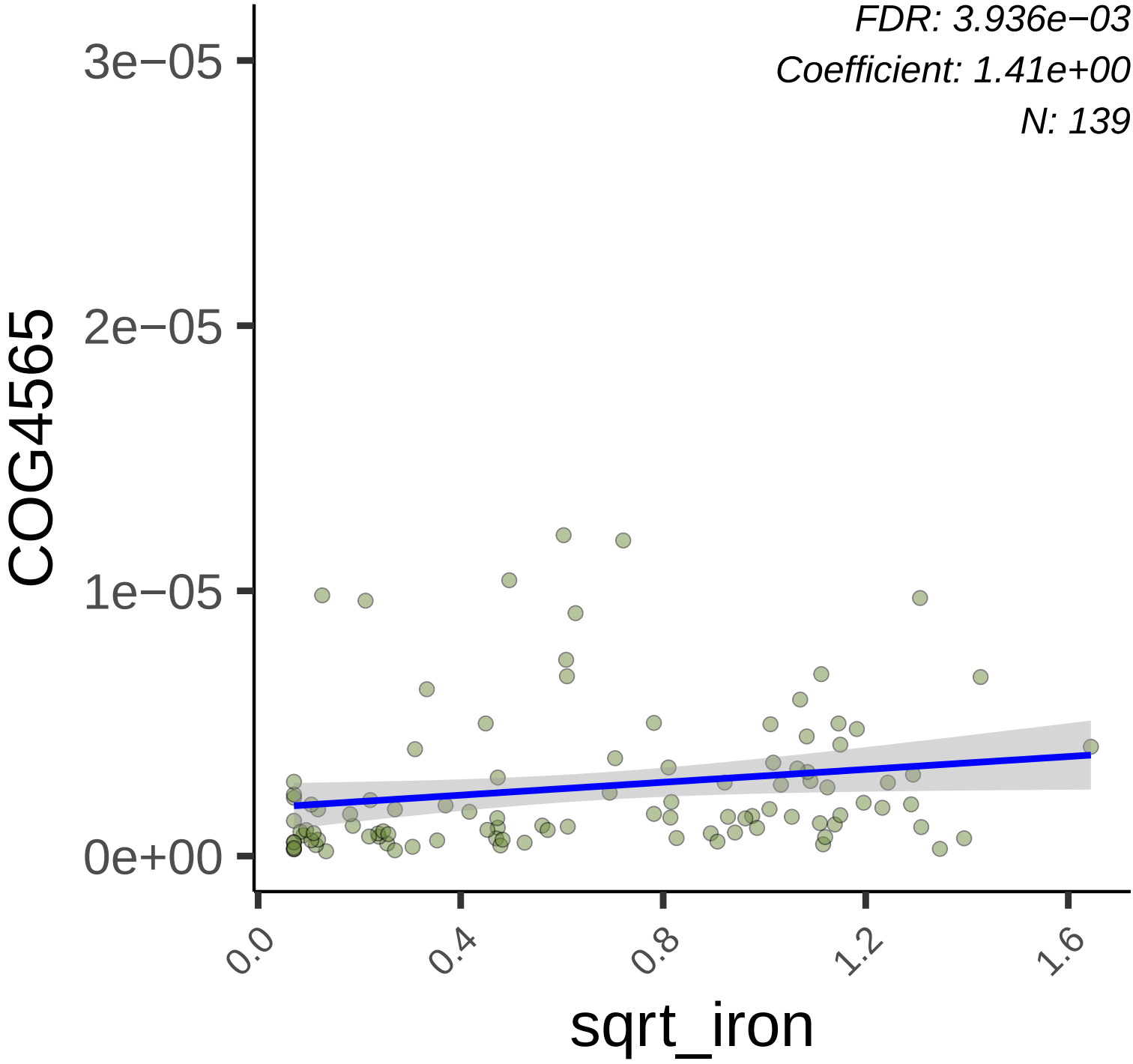
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.936e−03
Coefficient: 1.41e+00
N: 139
COG4565
3e−05
2e−05
1e−05
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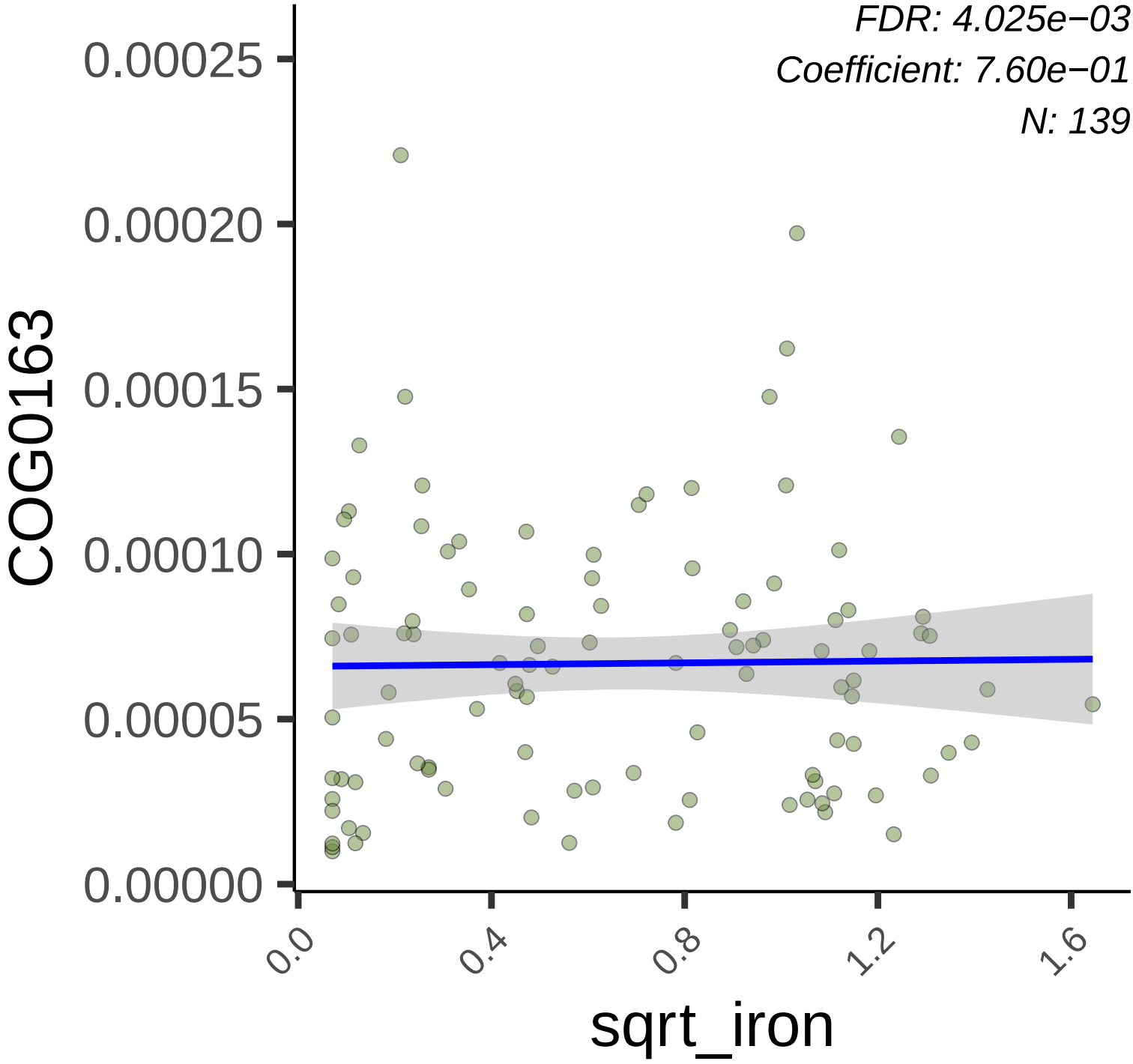
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.025e−03
Coefficient: 7.60e−01
N: 139
COG0163
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0.00010
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0.00000
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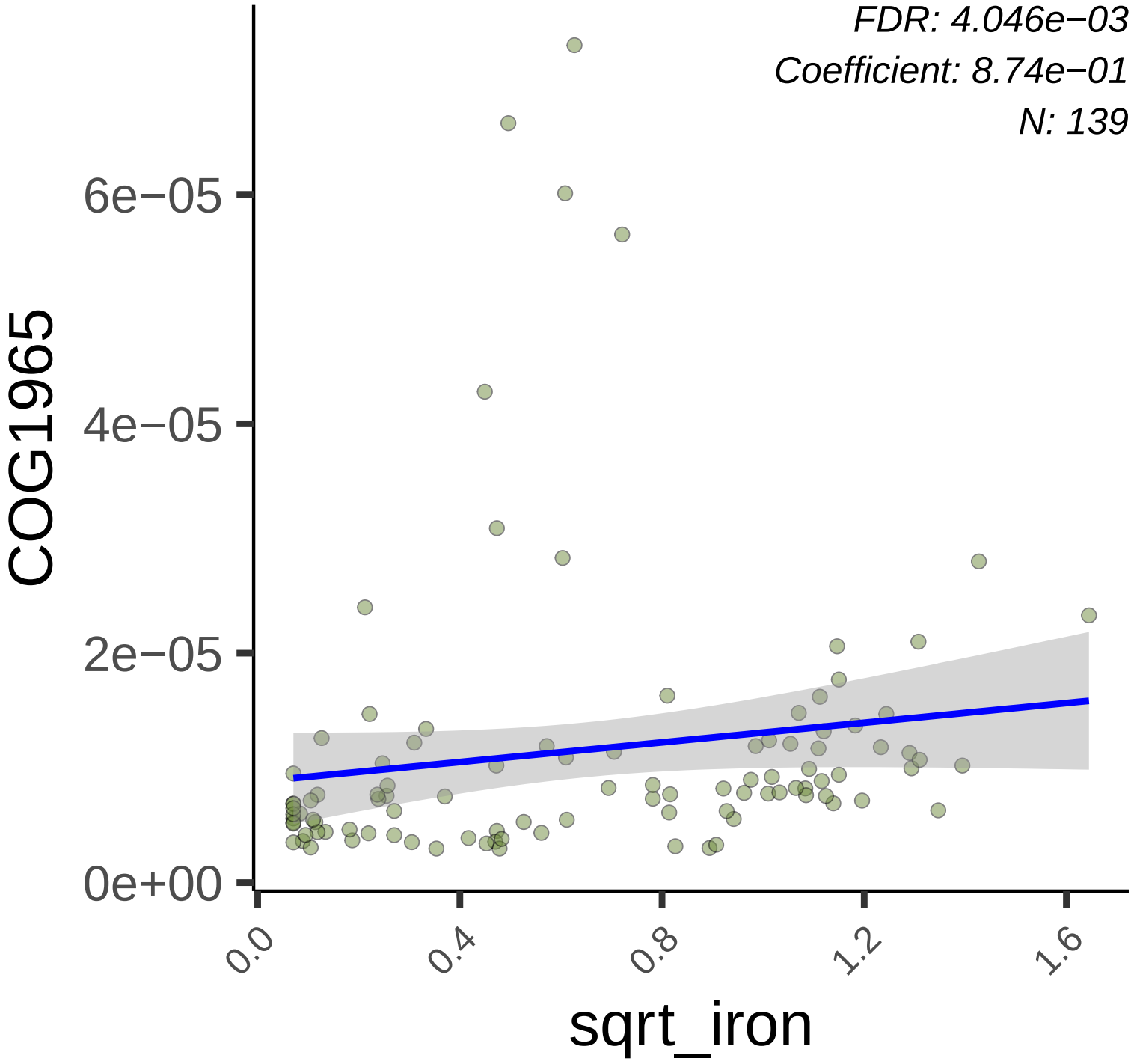
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.046e−03
Coefficient: 8.74e−01
N: 139
COG1965
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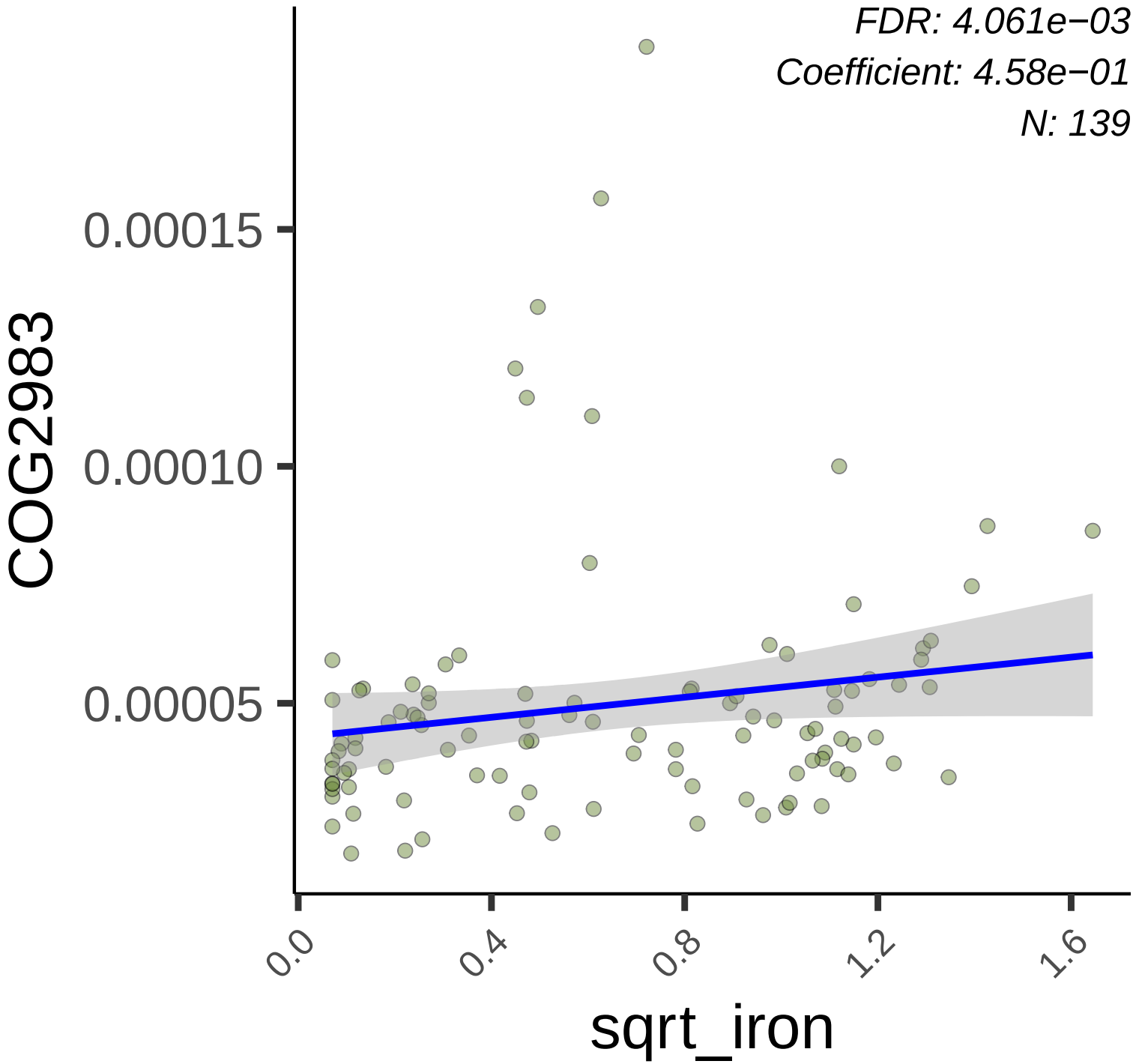
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.061e−03
Coefficient: 4.58e−01
N: 139
COG2983
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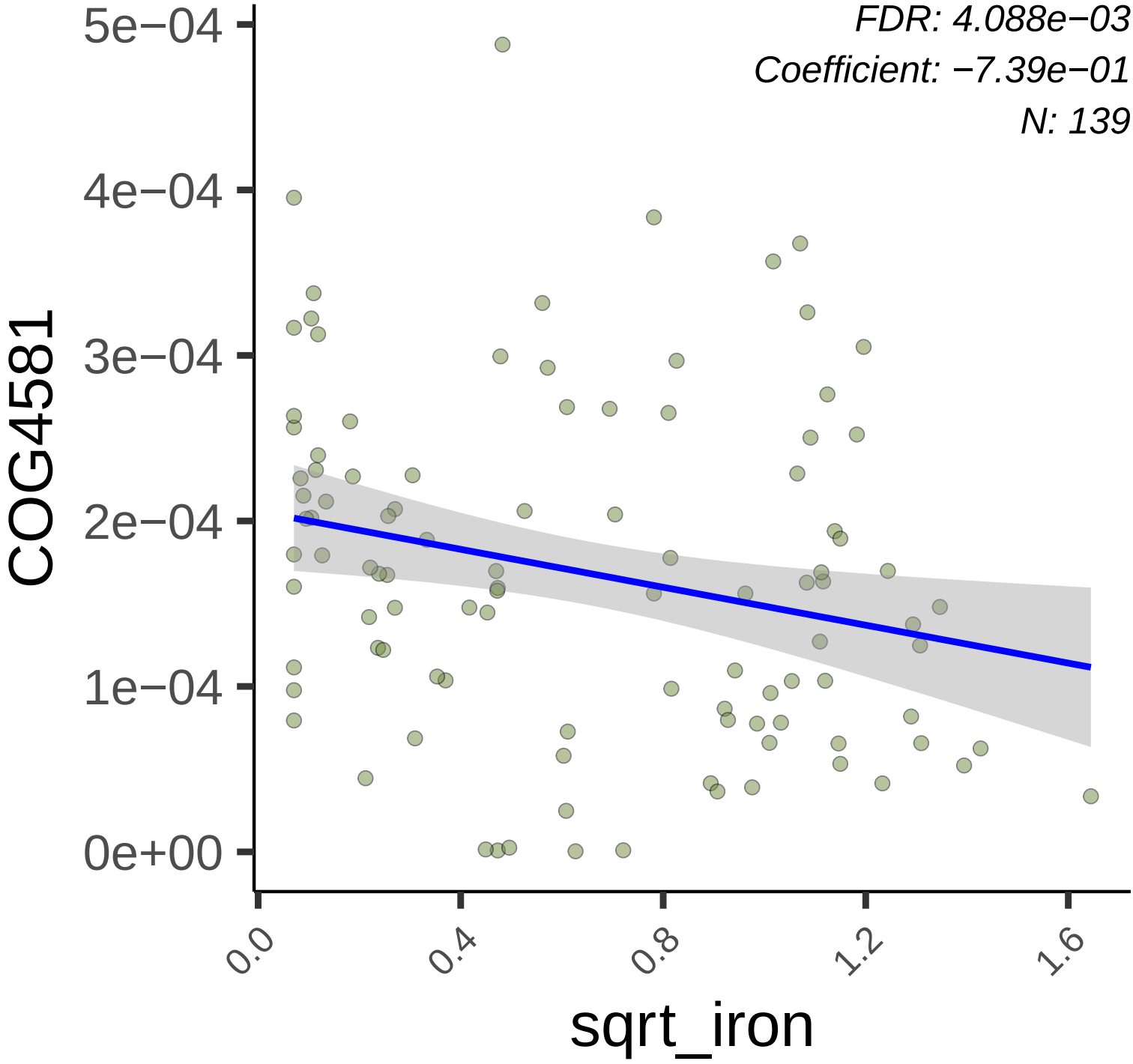
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.088e−03
Coefficient: −7.39e−01
N: 139
COG4581
5e−04
4e−04
3e−04
2e−04
1e−04
0e+00
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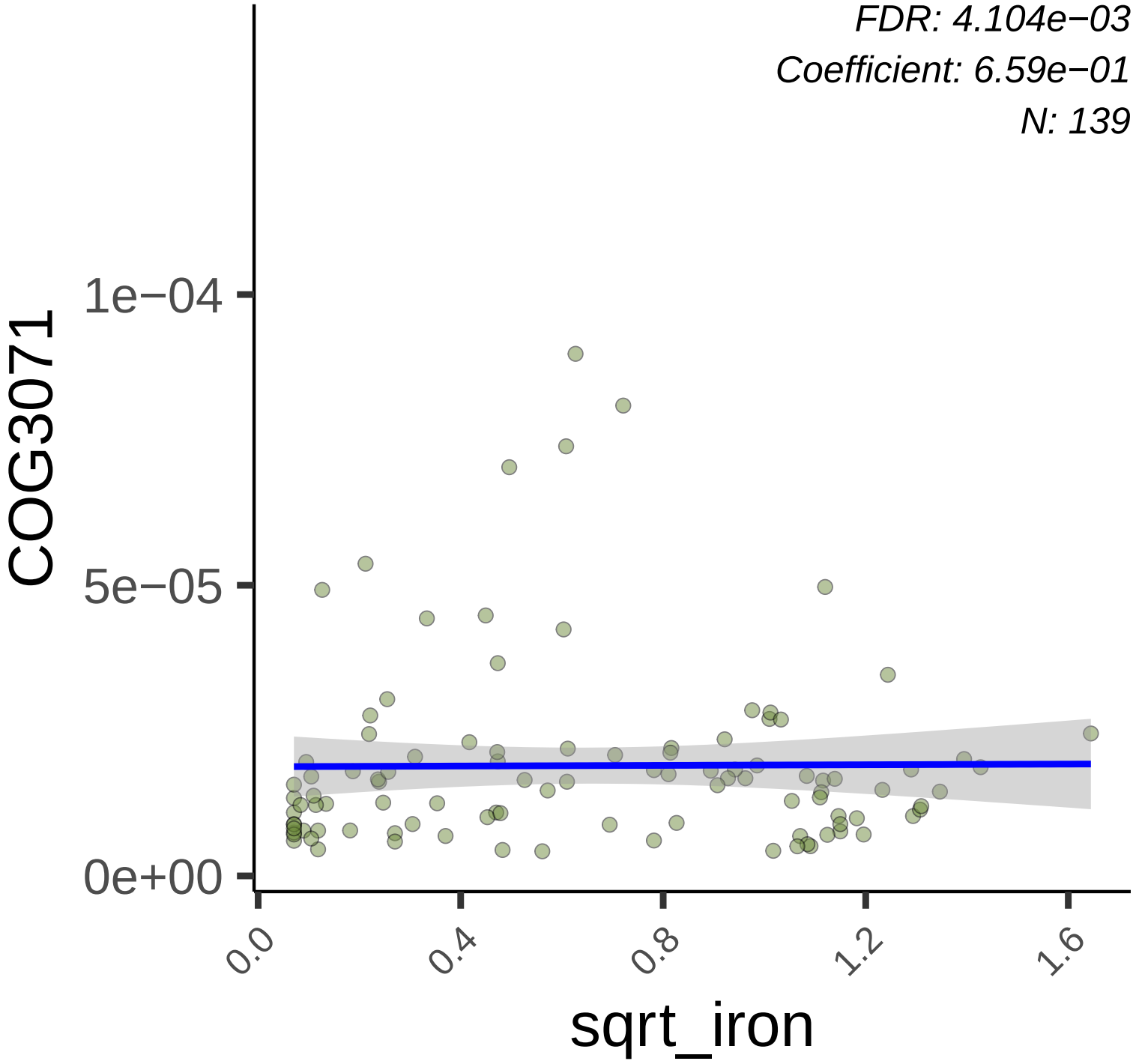
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.104e−03
Coefficient: 6.59e−01
N: 139
COG3071
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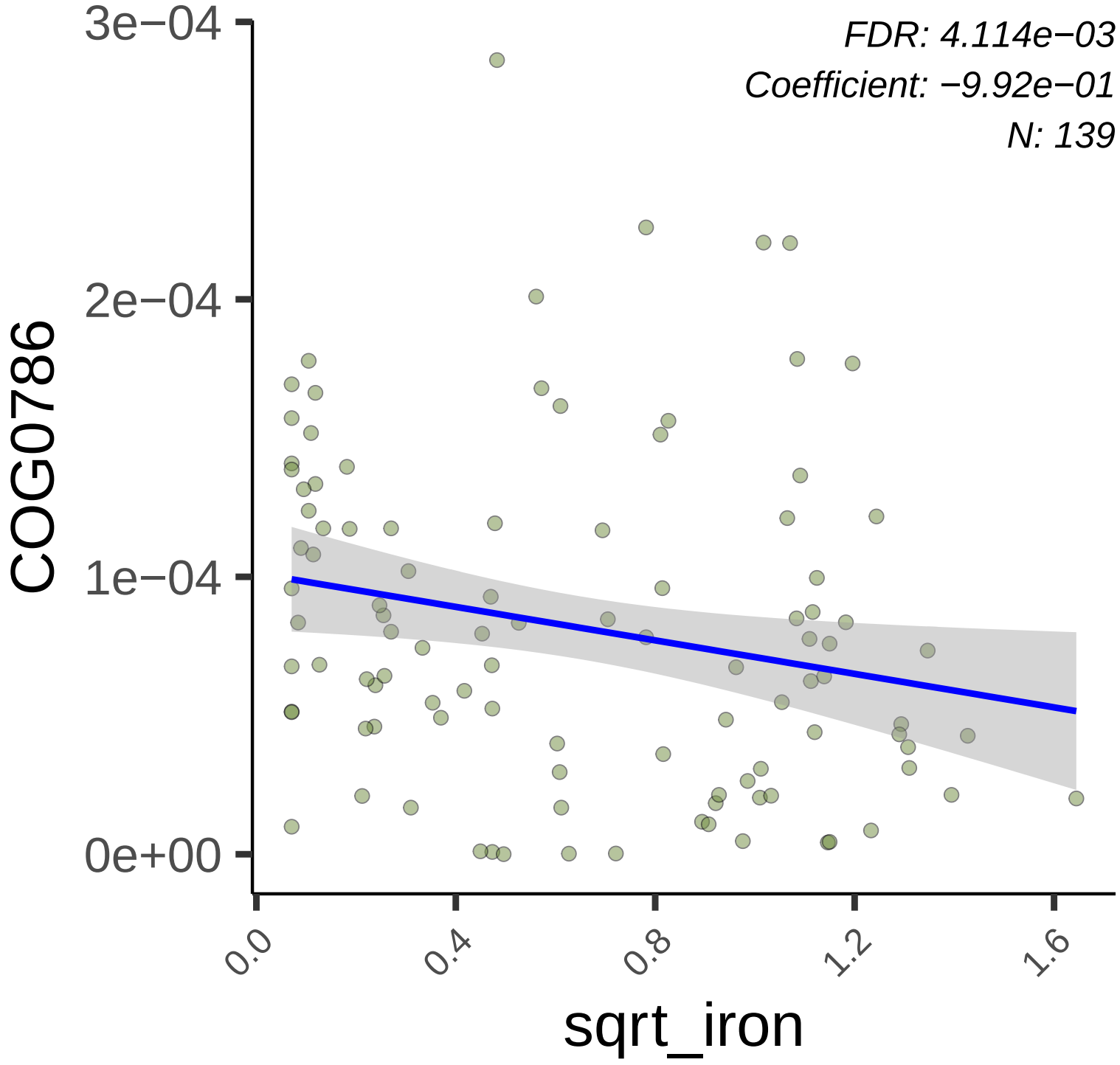
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.114e−03
Coefficient: −9.92e−01
N: 139
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COG0786
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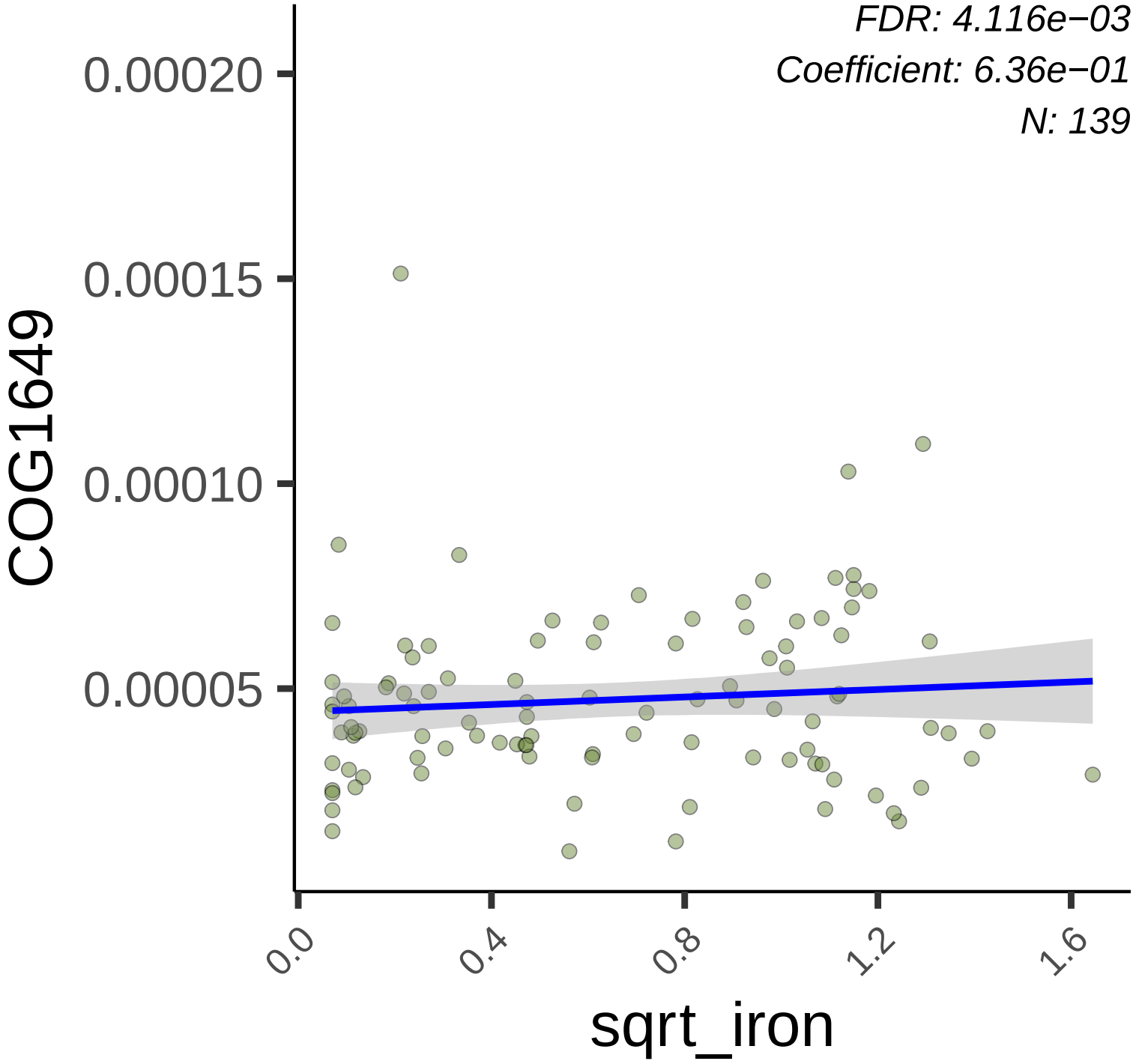
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.116e−03
Coefficient: 6.36e−01
N: 139
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0.00010
0.00005
COG1649
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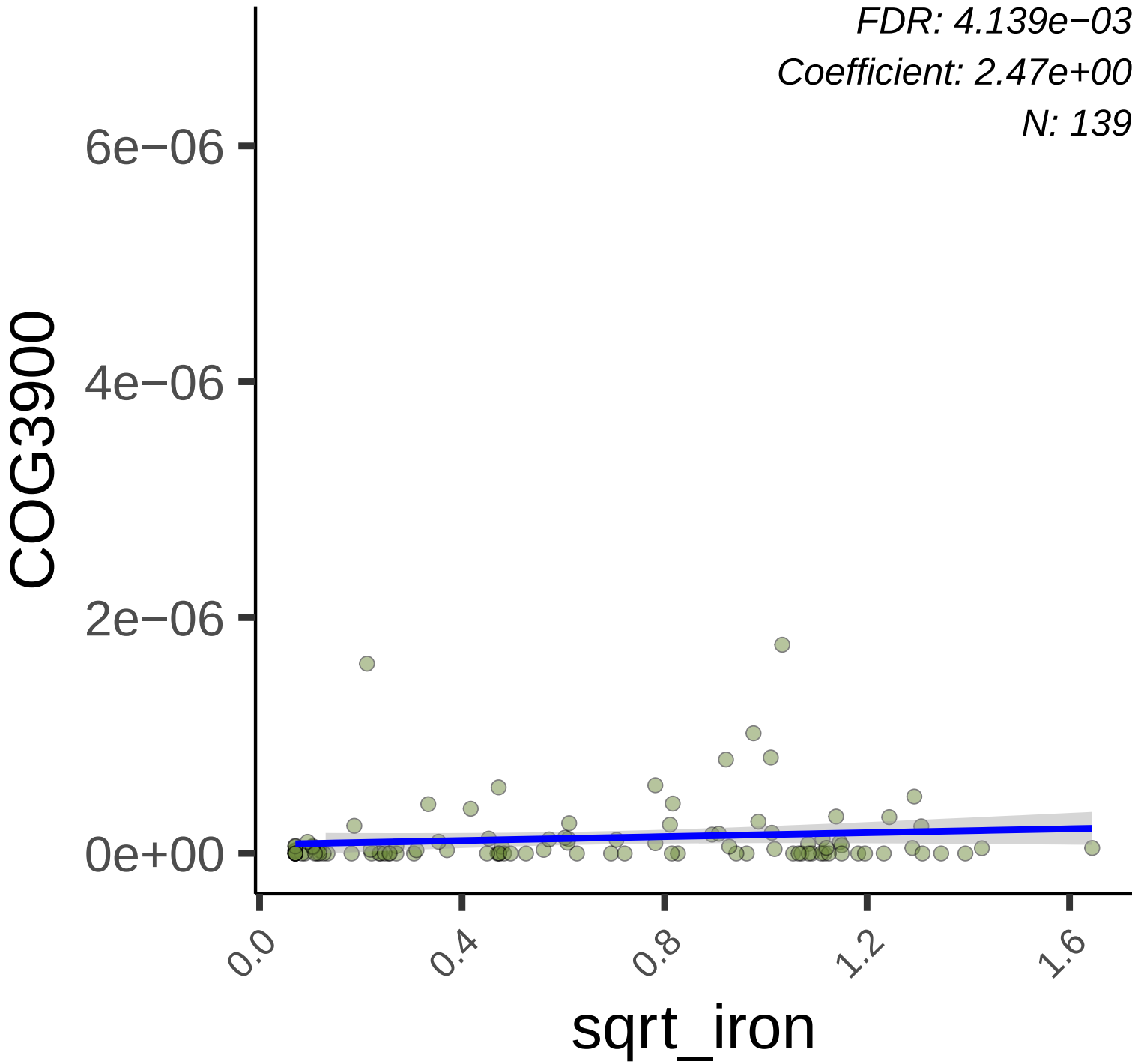
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.139e−03
Coefficient: 2.47e+00
N: 139
COG3900
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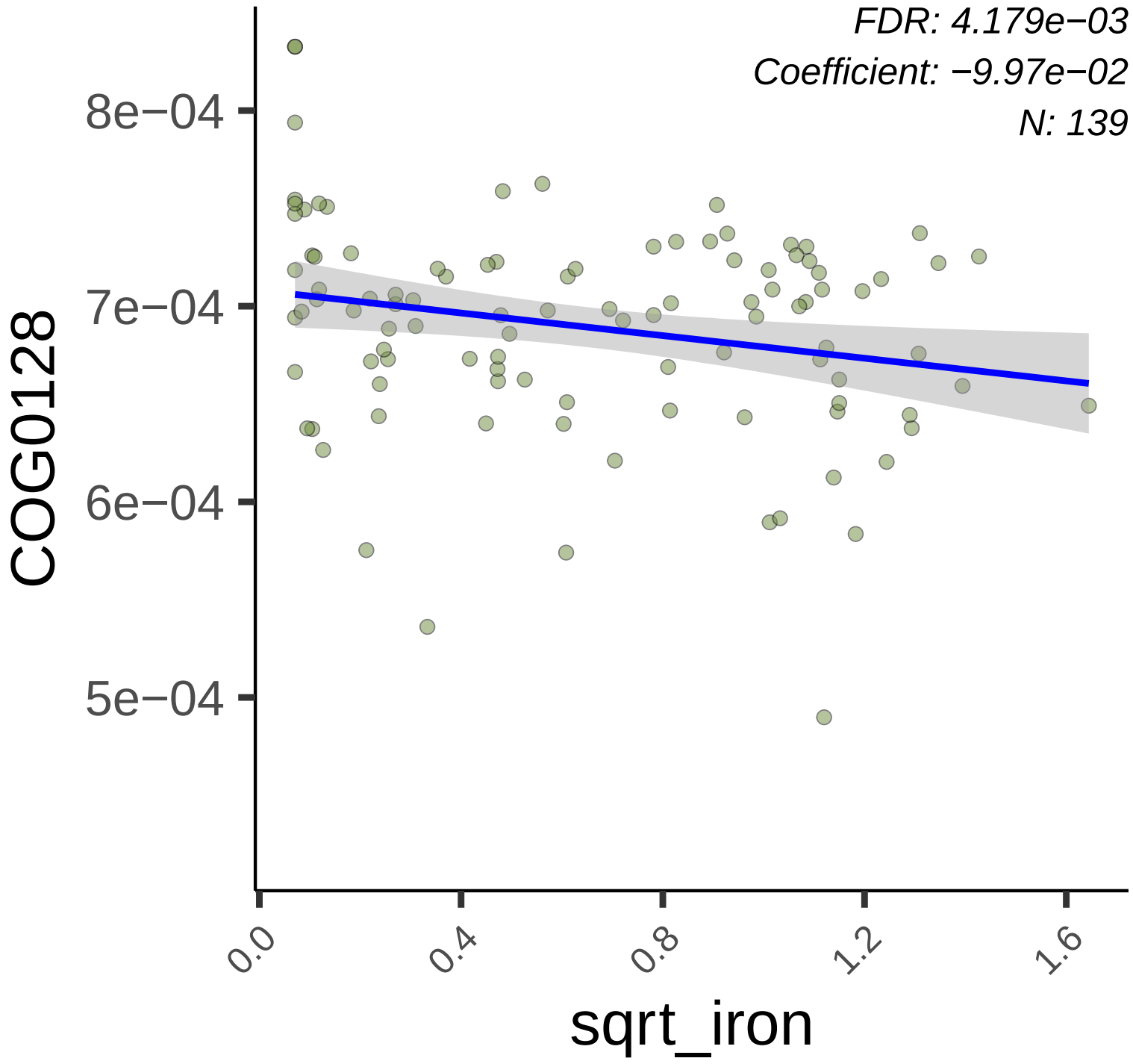
4e−06
2e−06
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.179e−03
Coefficient: −9.97e−02
N: 139
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5e−04
COG0128
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0.4
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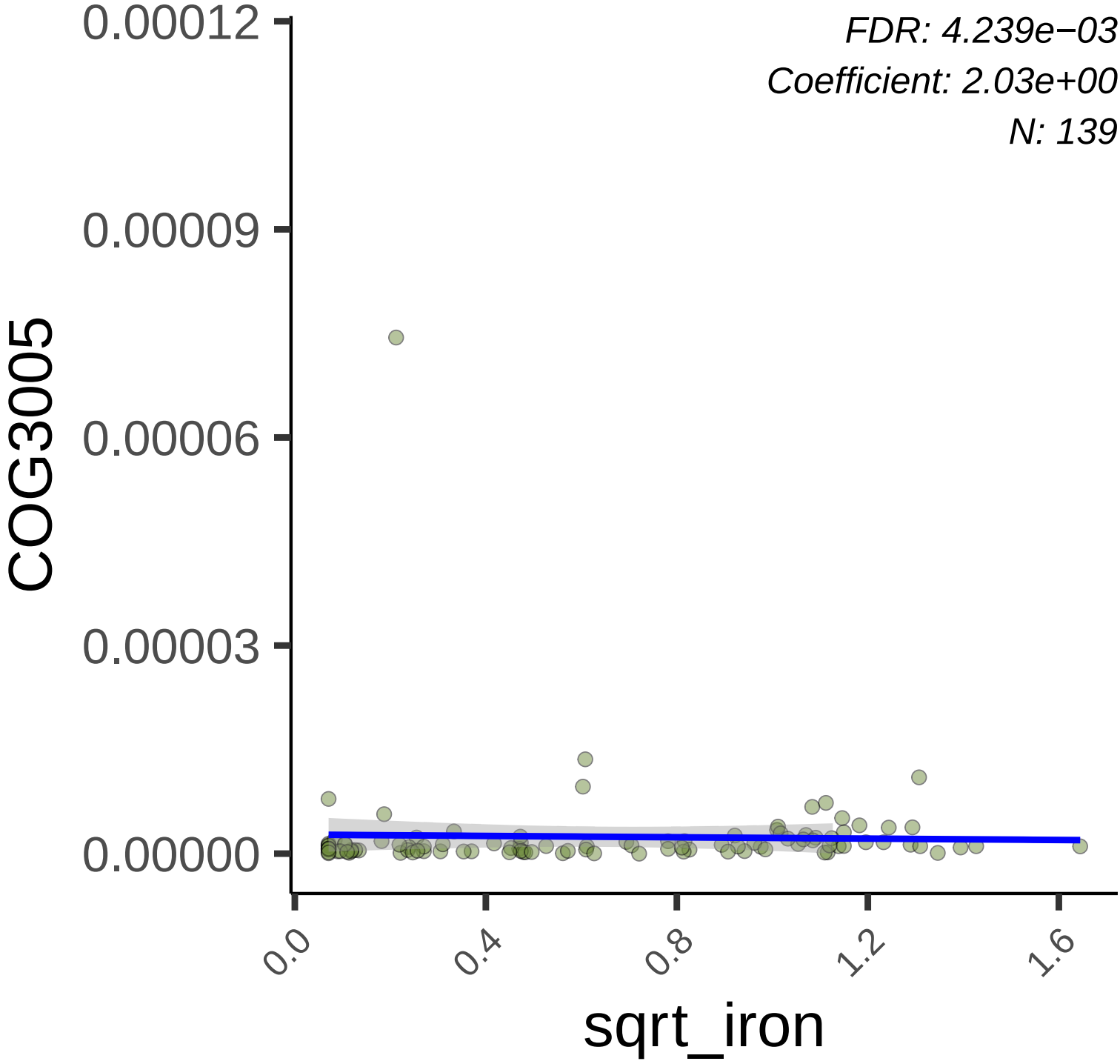
1.2
1.6
sqrt_iron


FDR: 4.239e−03
Coefficient: 2.03e+00
N: 139
COG3005
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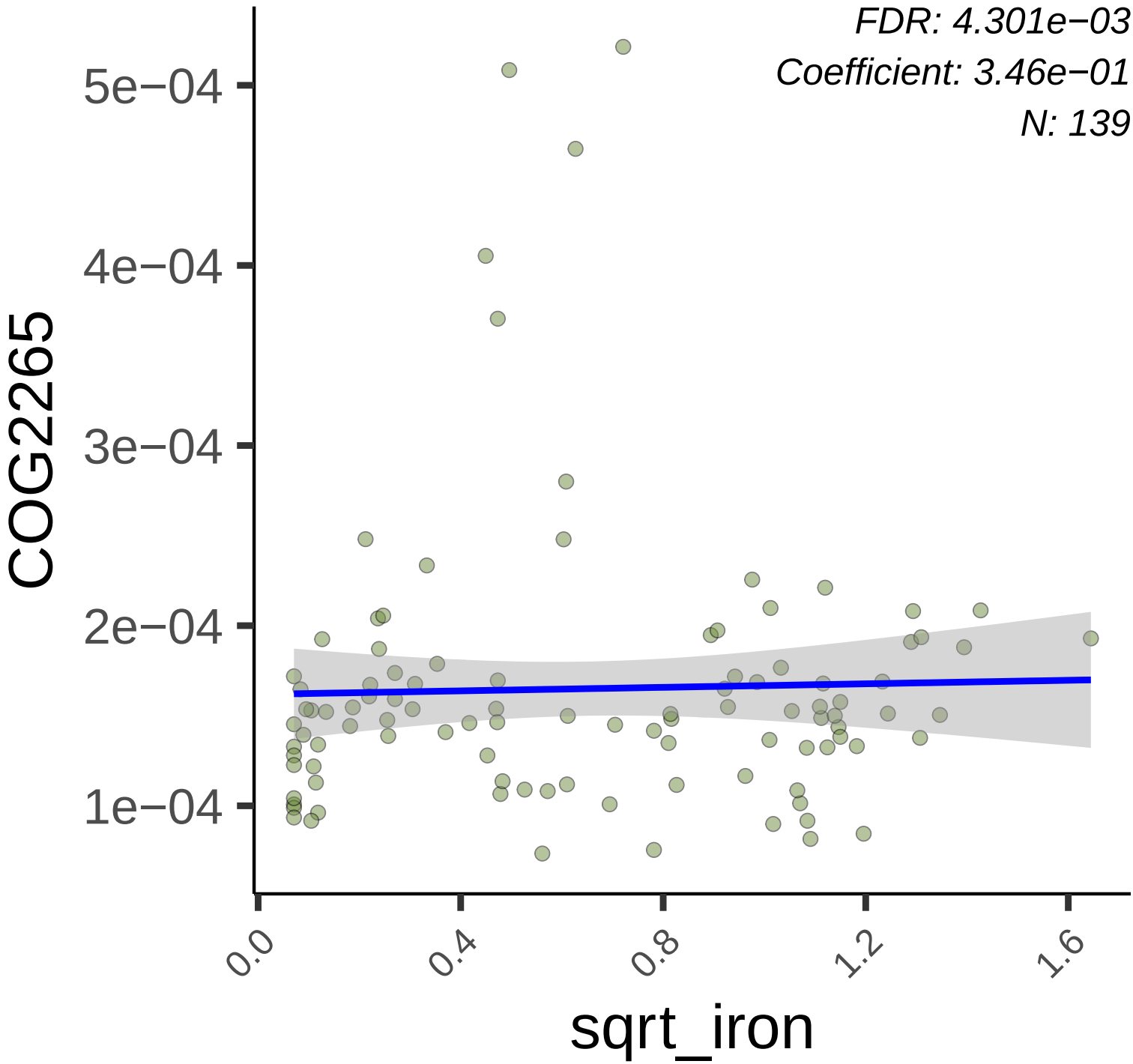
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.301e−03
Coefficient: 3.46e−01
N: 139
COG2265
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4e−04
3e−04
2e−04
1e−04
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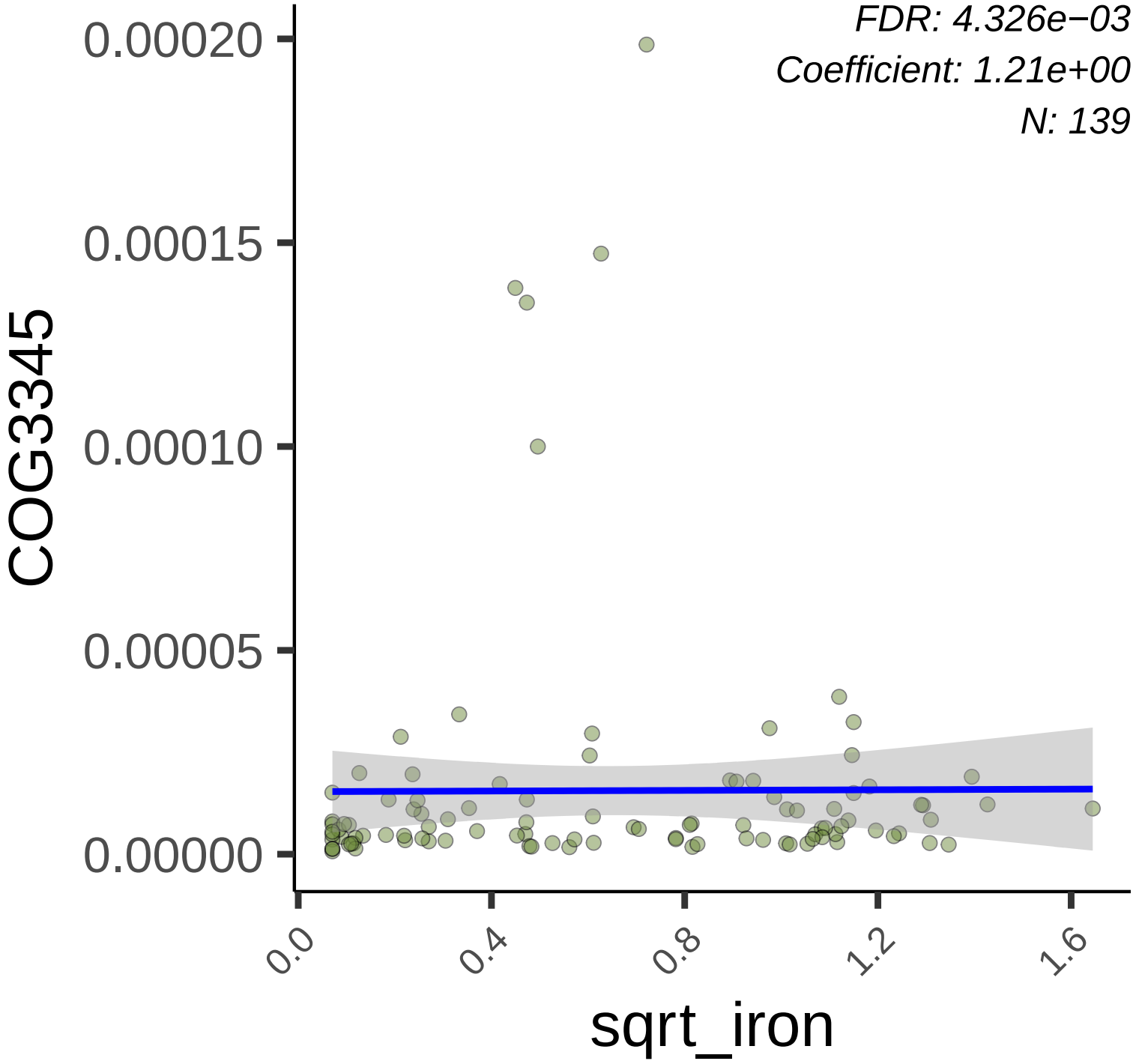
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.326e−03
Coefficient: 1.21e+00
N: 139
COG3345
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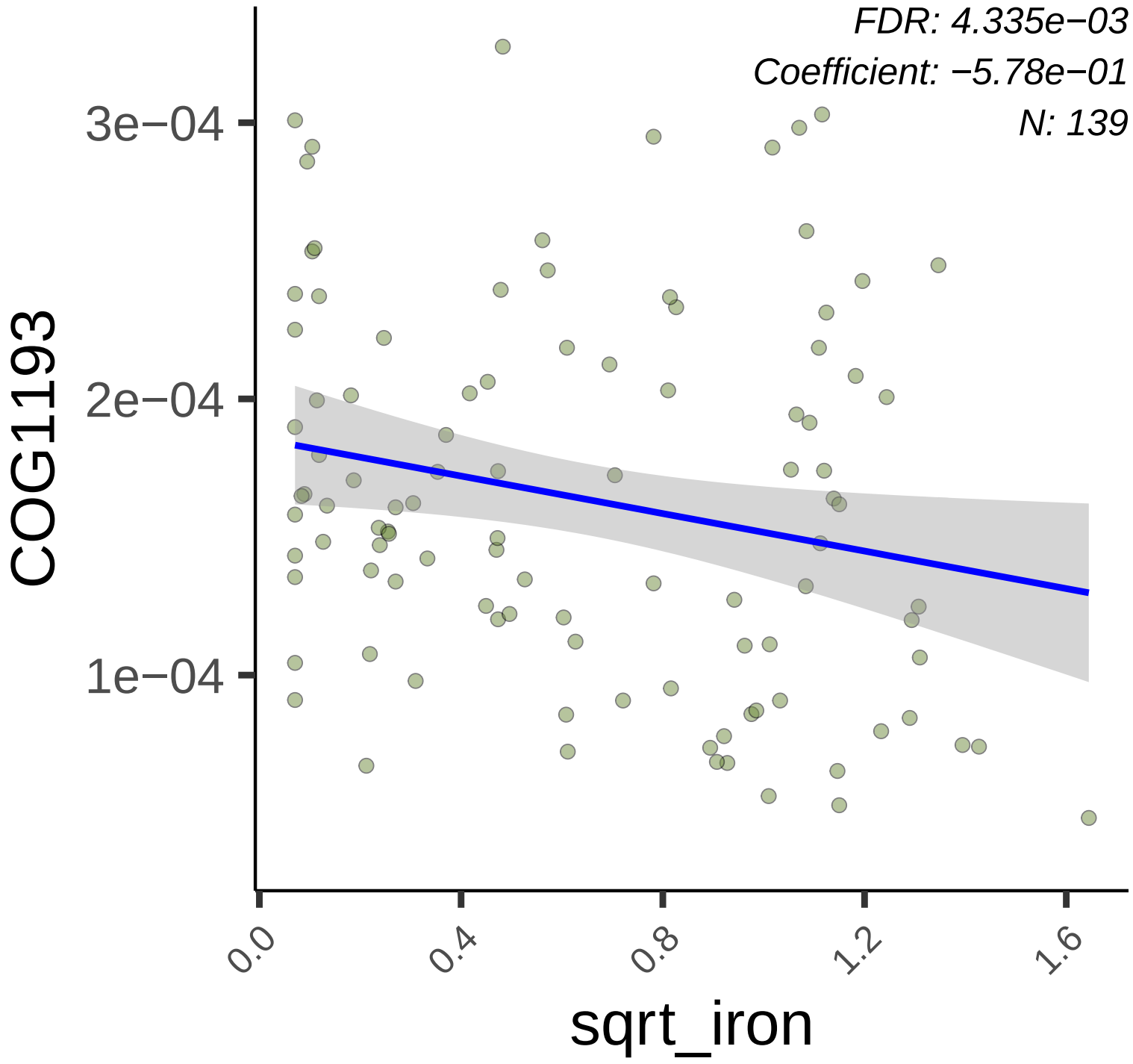
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.335e−03
Coefficient: −5.78e−01
N: 139
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2e−04
1e−04
COG1193
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0.4
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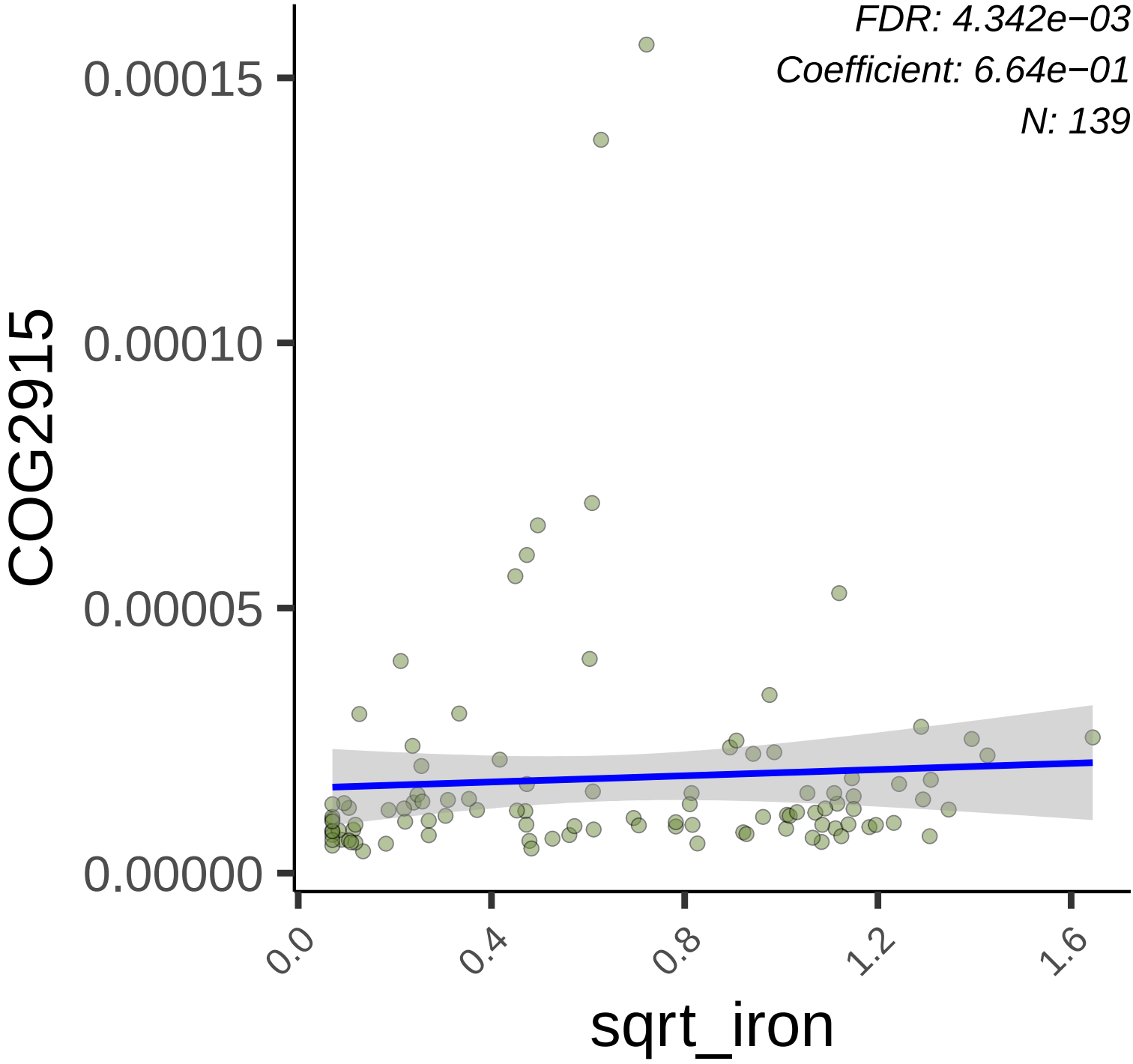
1.2
1.6
sqrt_iron


FDR: 4.342e−03
Coefficient: 6.64e−01
N: 139
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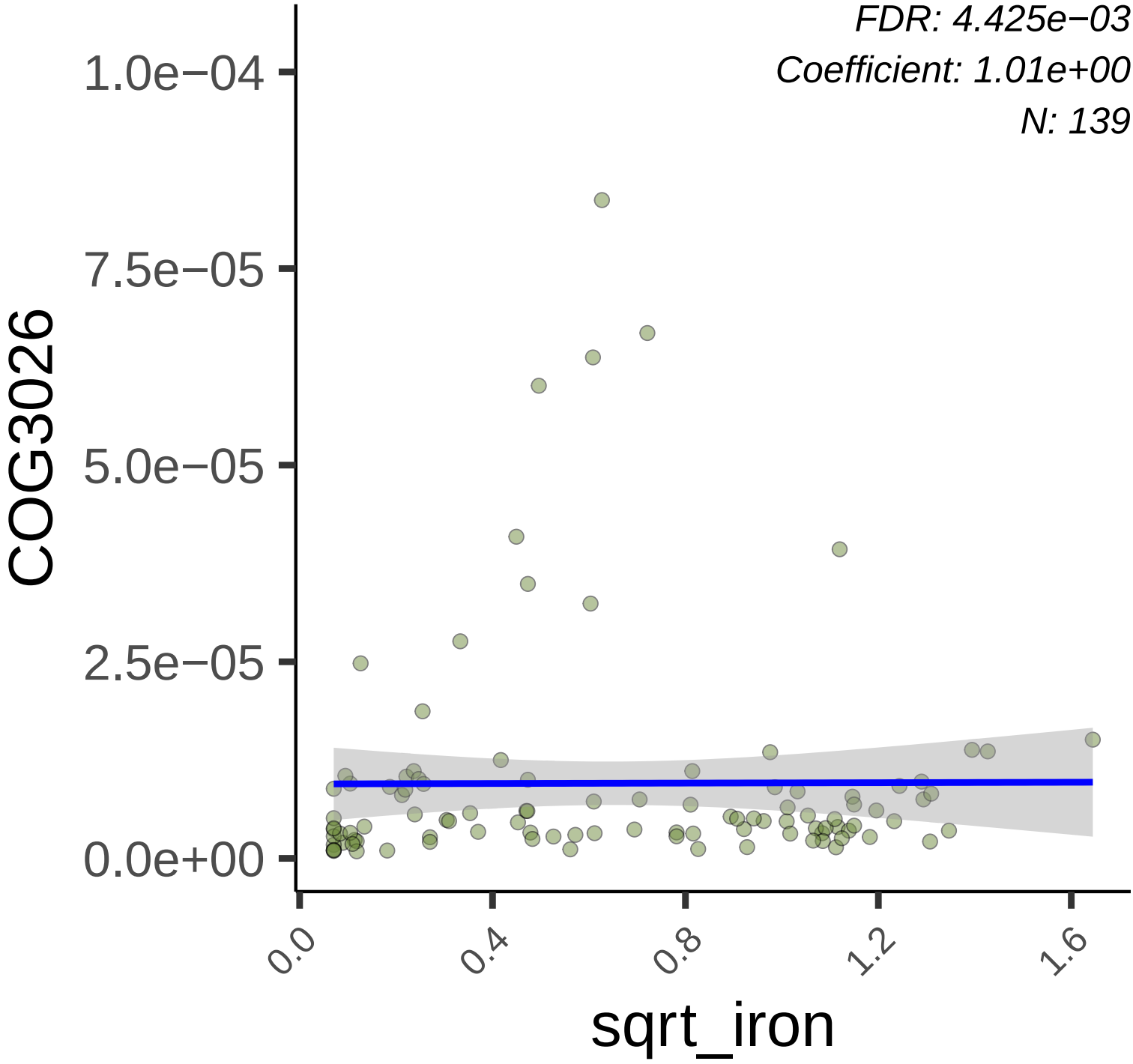
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.425e−03
Coefficient: 1.01e+00
N: 139
COG3026
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2.5e−05
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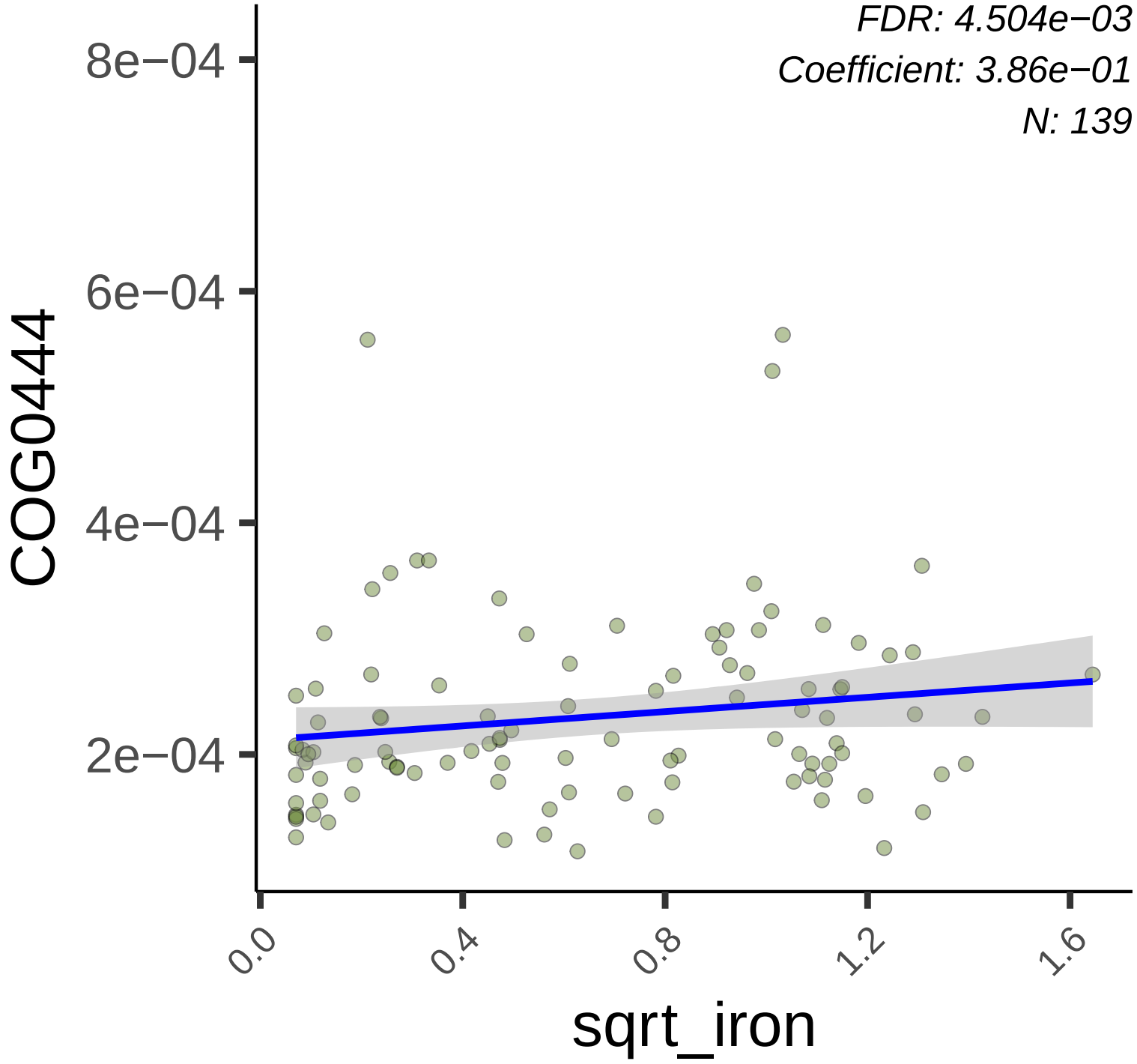
0.8
1.2
1.6
sqrt_iron


FDR: 4.504e−03
Coefficient: 3.86e−01
N: 139
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COG0444
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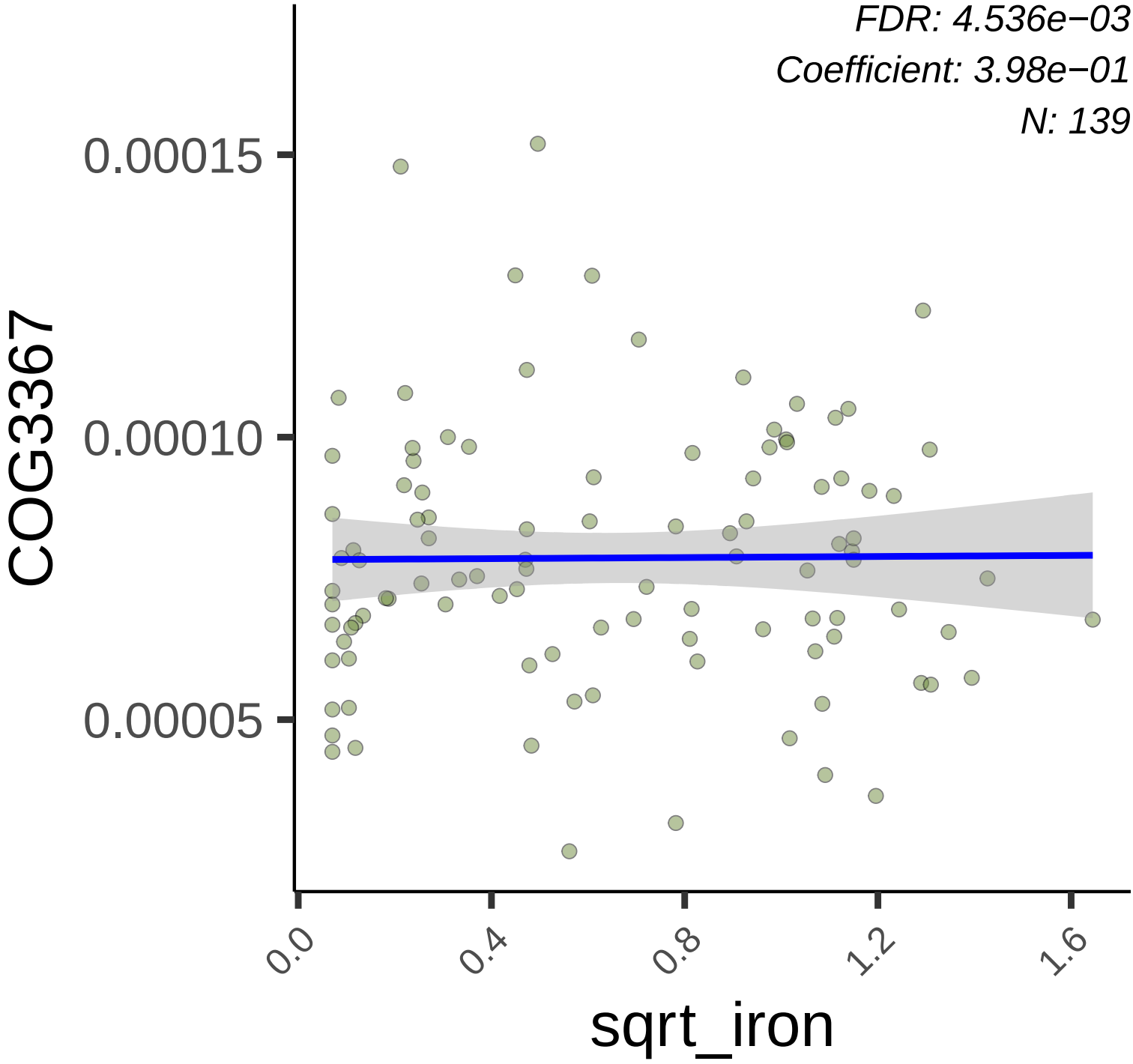
1.2
1.6
sqrt_iron


FDR: 4.536e−03
Coefficient: 3.98e−01
N: 139
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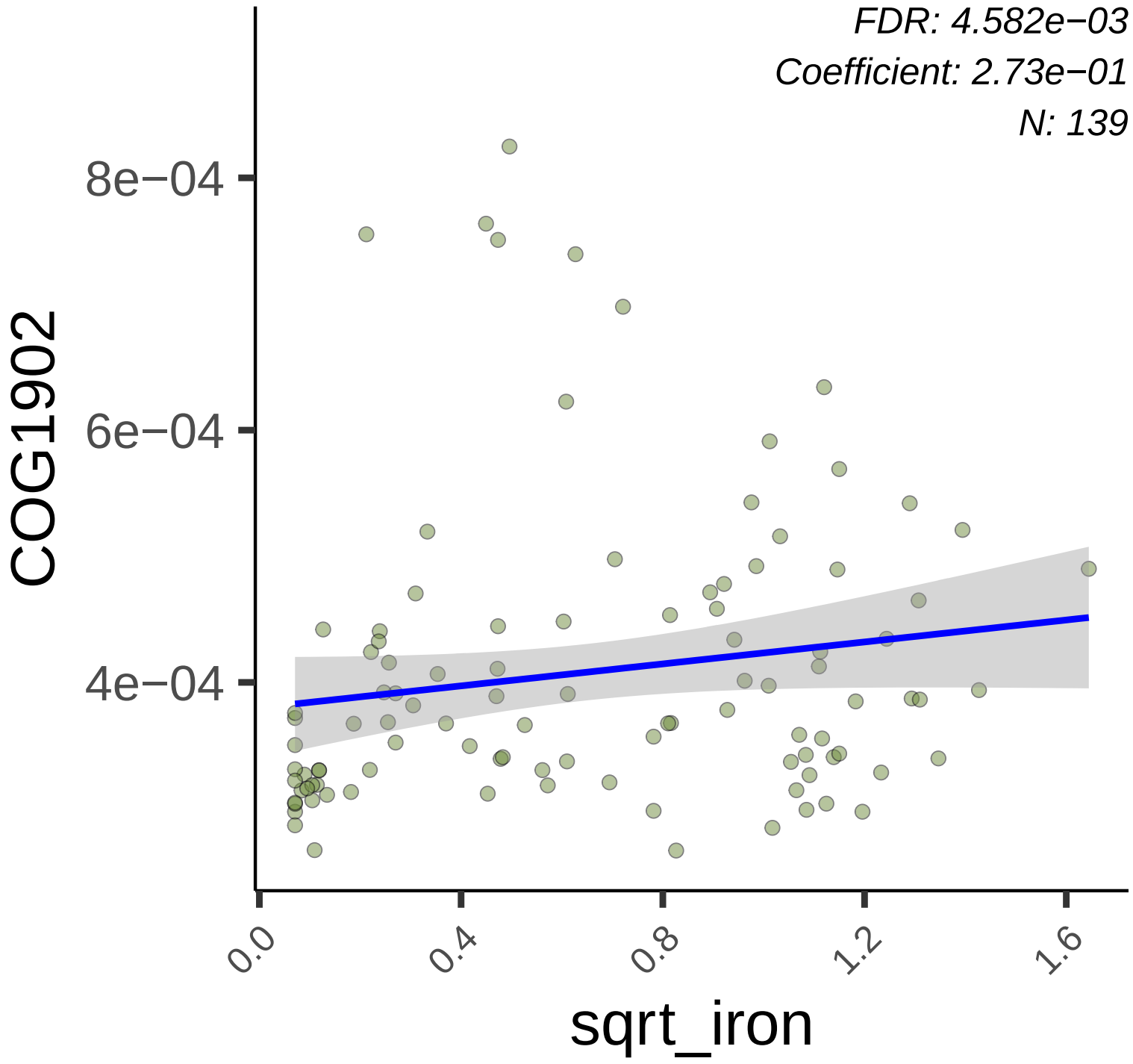
1.2
1.6
sqrt_iron


FDR: 4.582e−03
Coefficient: 2.73e−01
N: 139
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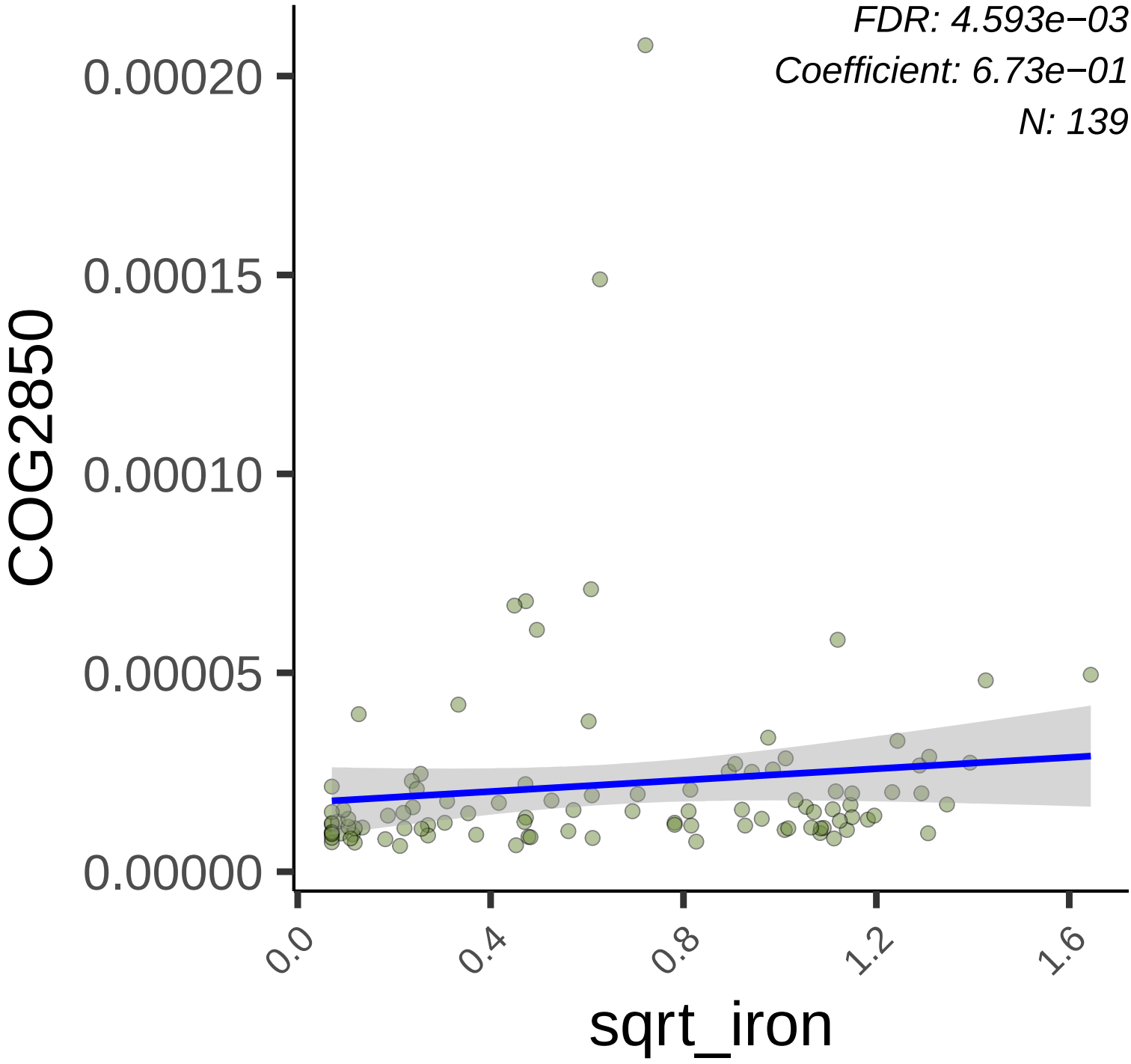
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.593e−03
Coefficient: 6.73e−01
N: 139
COG2850
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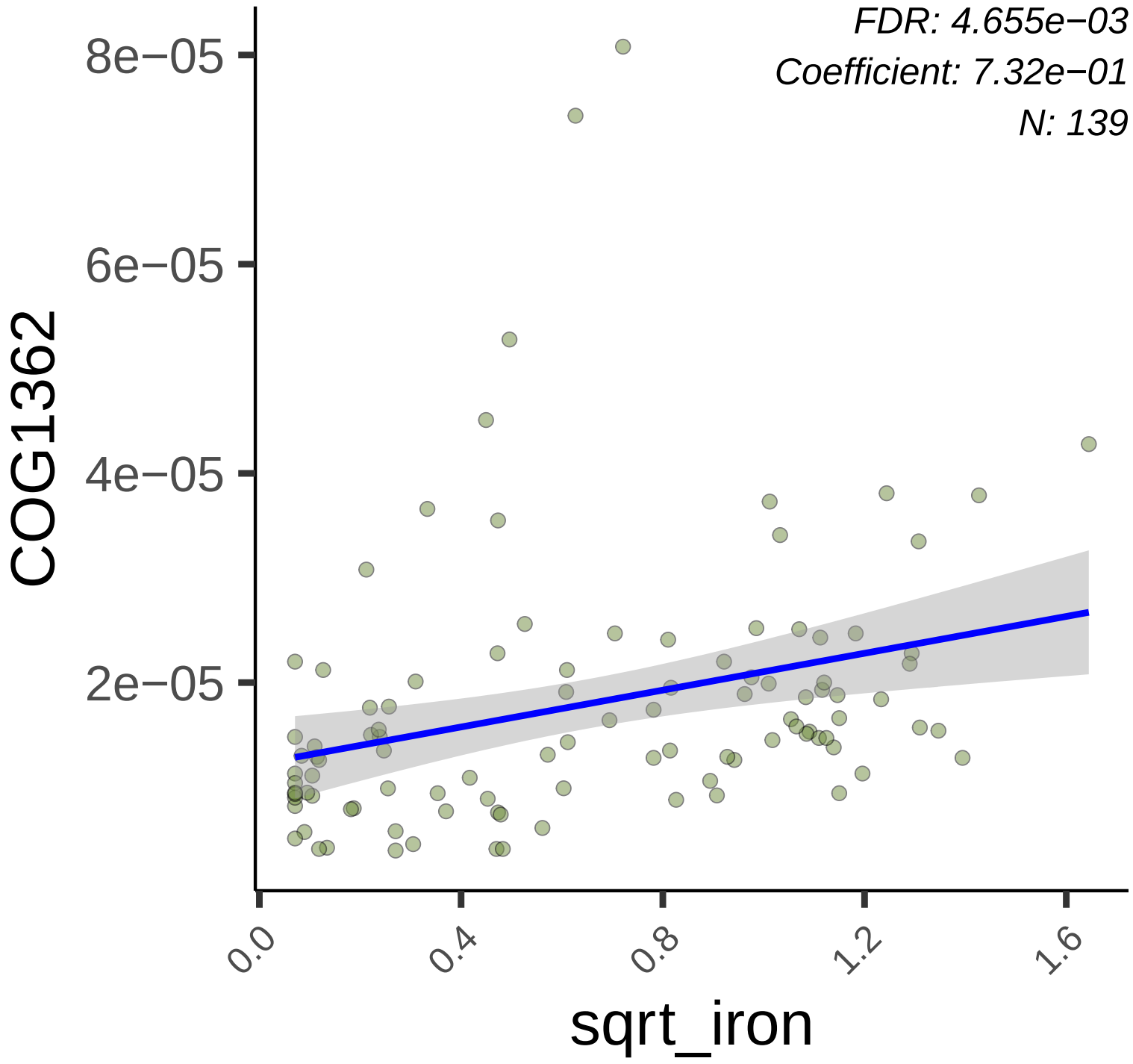
1.2
1.6
sqrt_iron


FDR: 4.655e−03
Coefficient: 7.32e−01
N: 139
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COG1362
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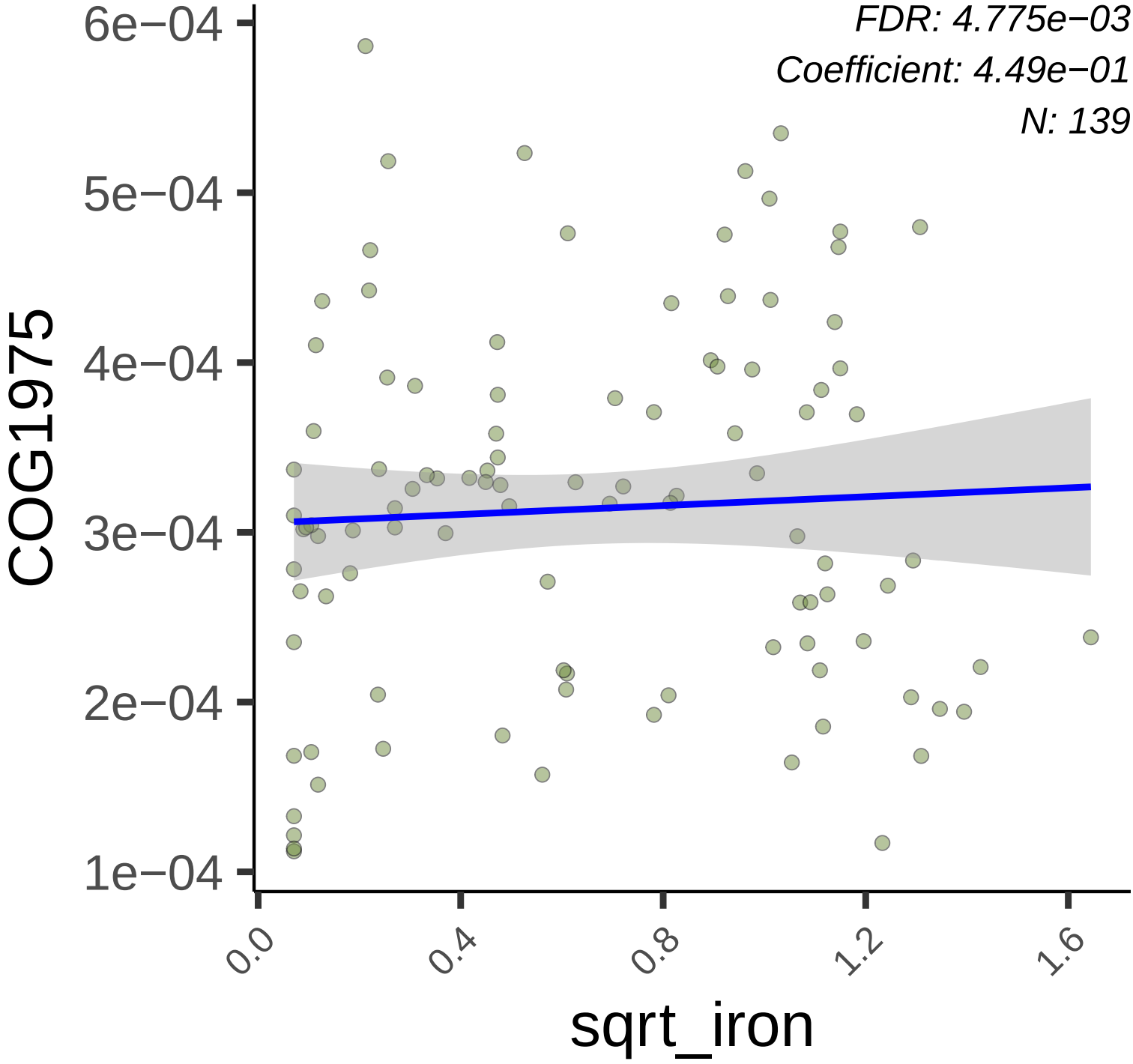
0.8
1.2
1.6
sqrt_iron


FDR: 4.775e−03
Coefficient: 4.49e−01
N: 139
COG1975
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2e−04
1e−04
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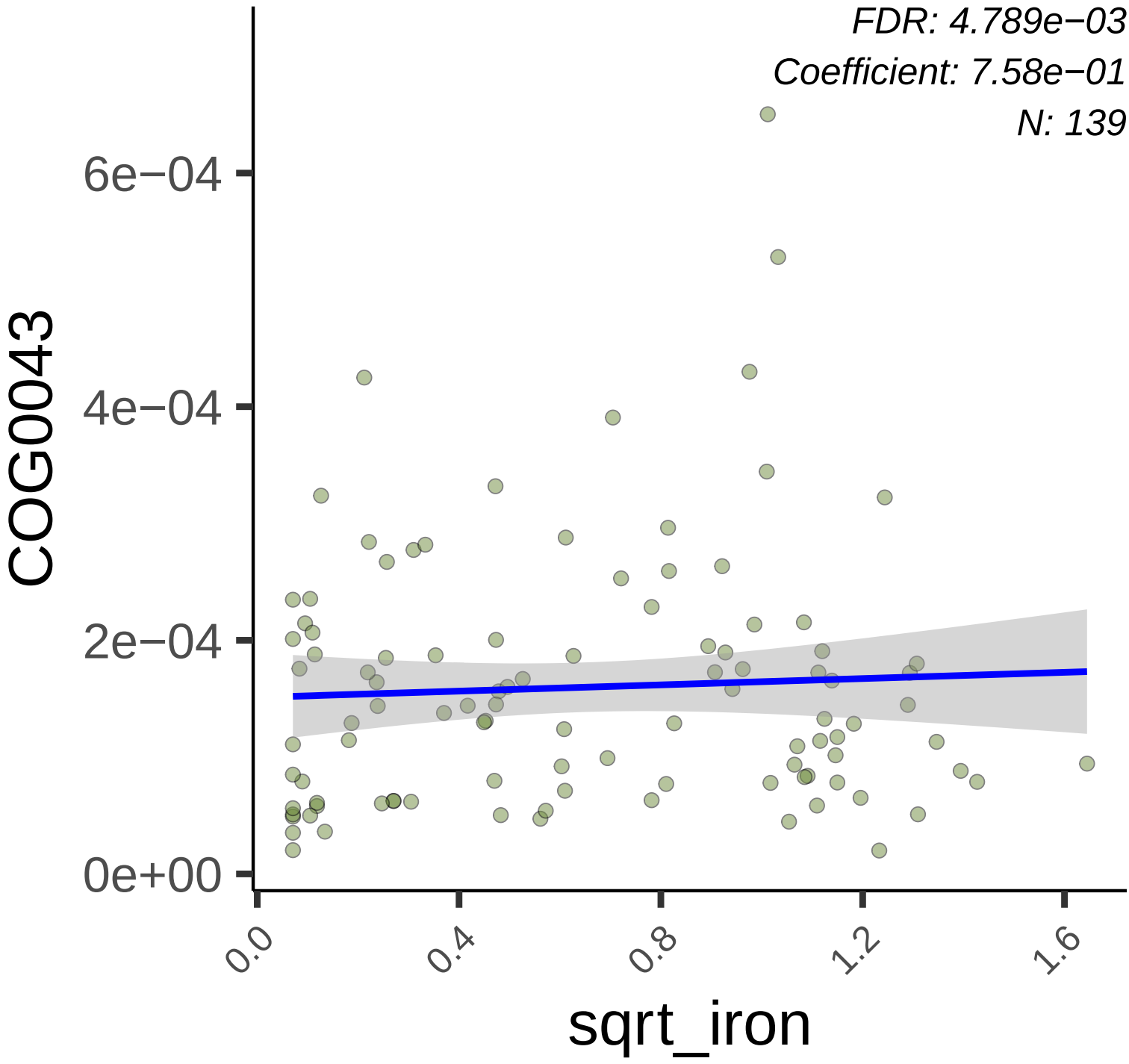
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.789e−03
Coefficient: 7.58e−01
N: 139
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2e−04
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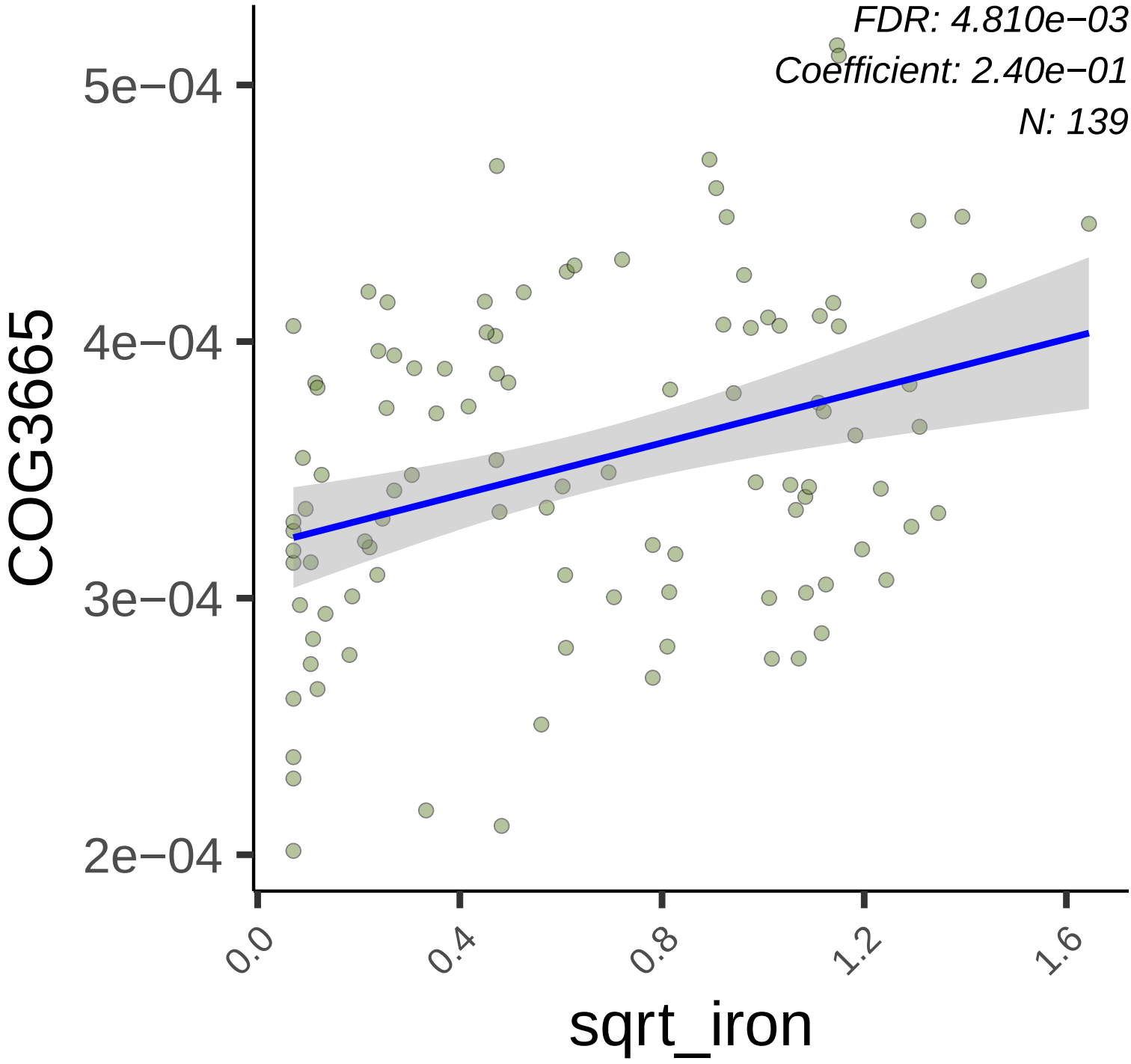
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.810e−03
Coefficient: 2.40e−01
N: 139
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3e−04
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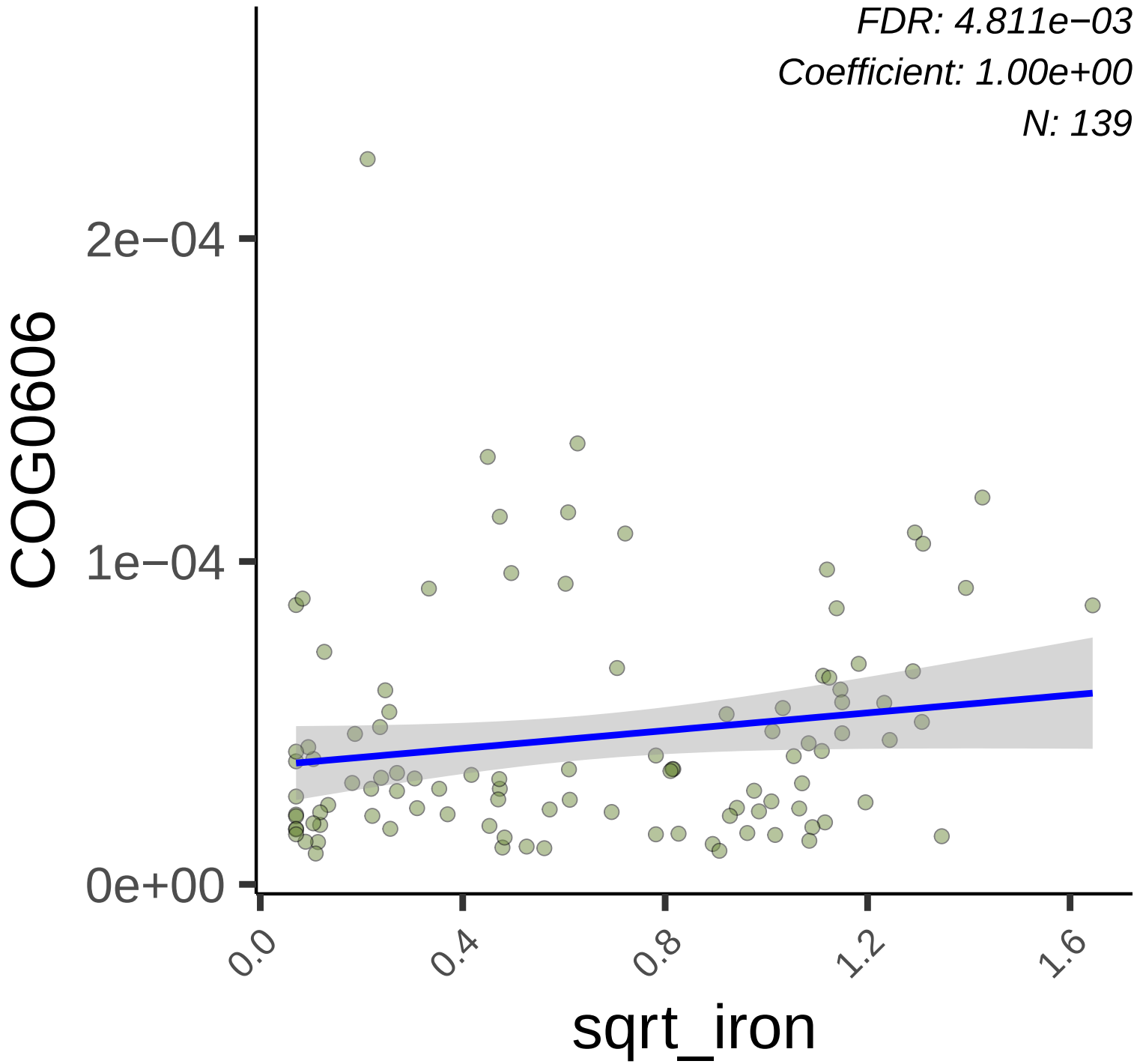
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.811e−03
Coefficient: 1.00e+00
N: 139
COG0606
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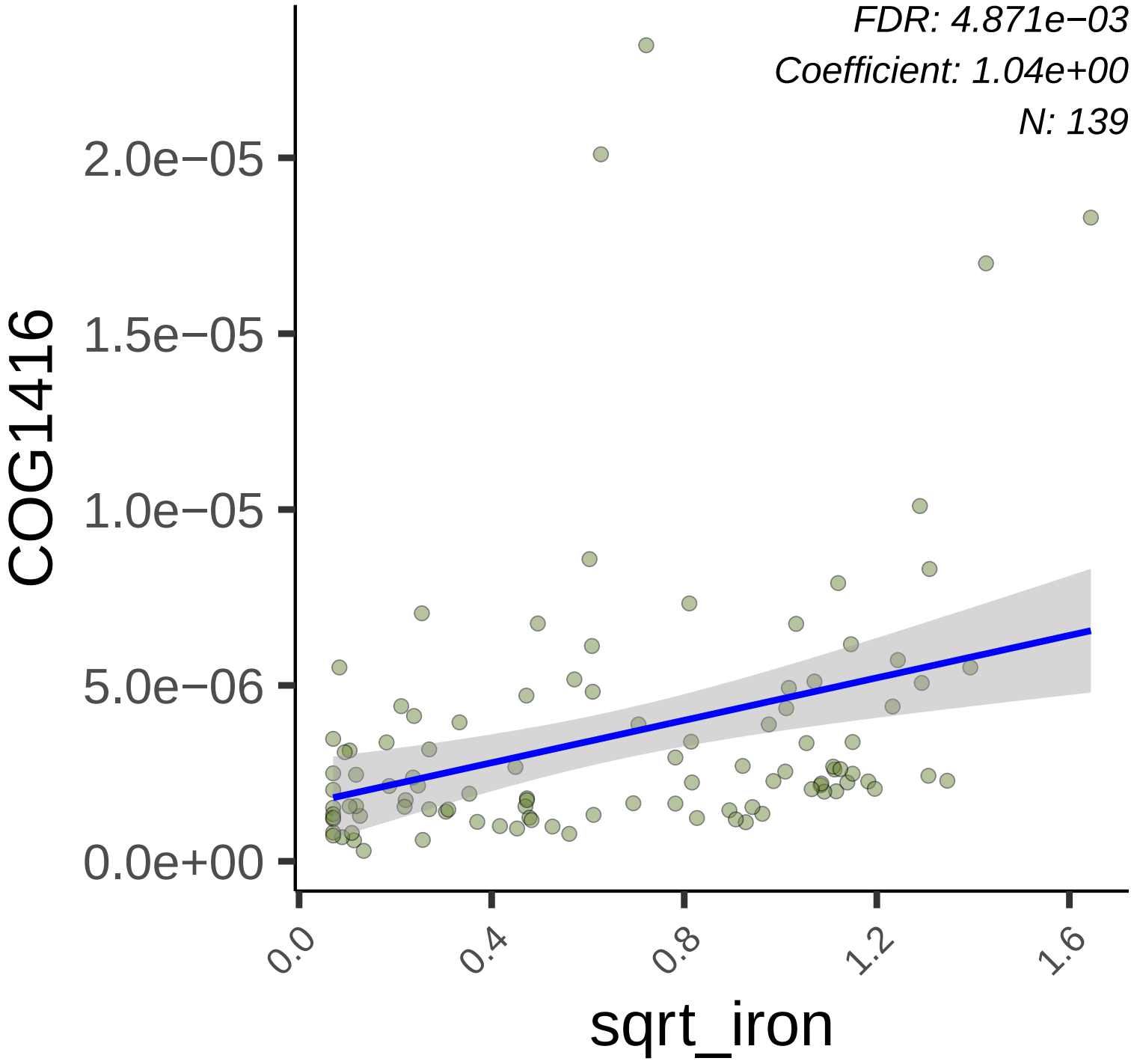
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.871e−03
Coefficient: 1.04e+00
N: 139
COG1416
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5.0e−06
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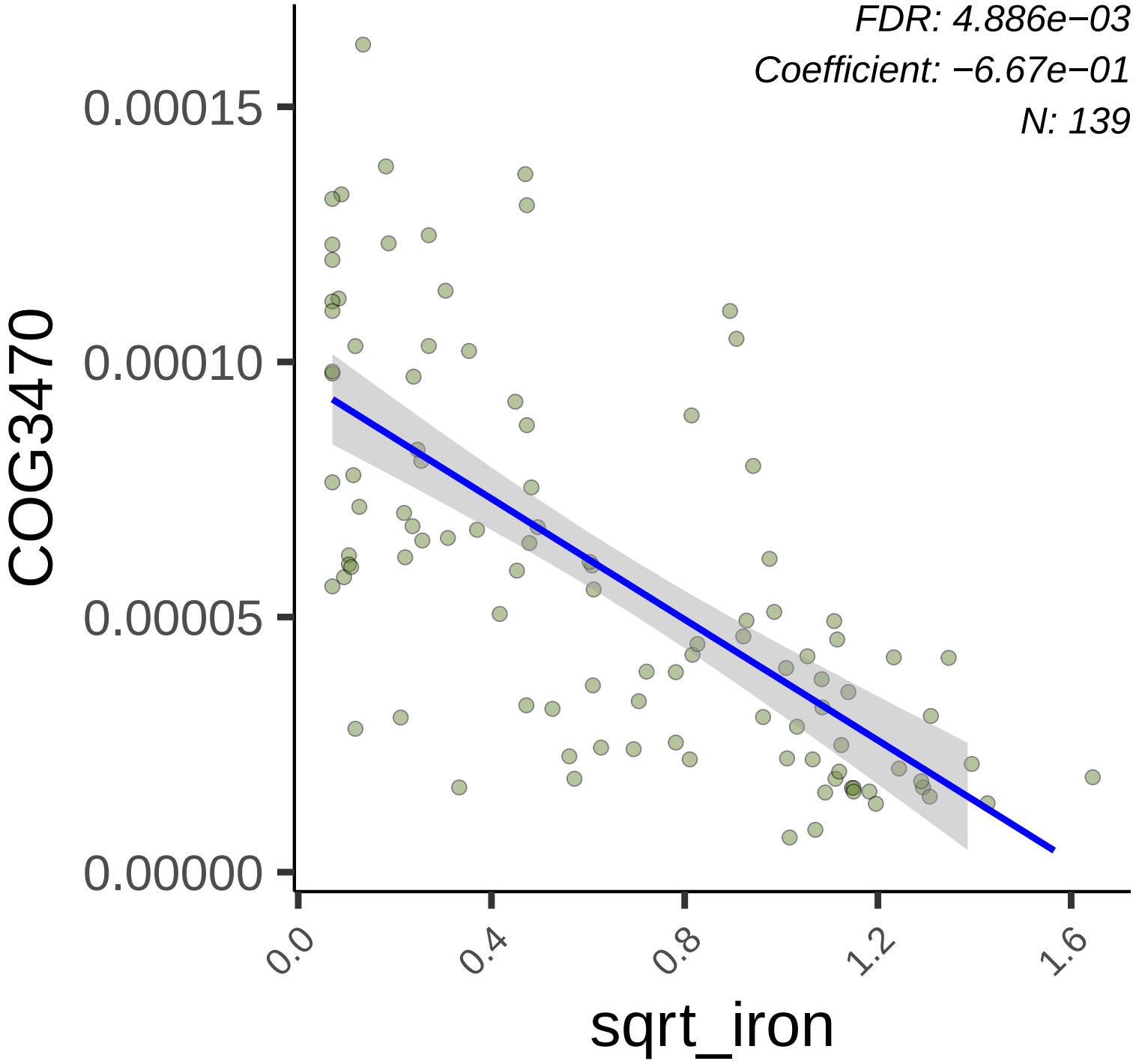
1.6
sqrt_iron


FDR: 4.886e−03
Coefficient: −6.67e−01
N: 139
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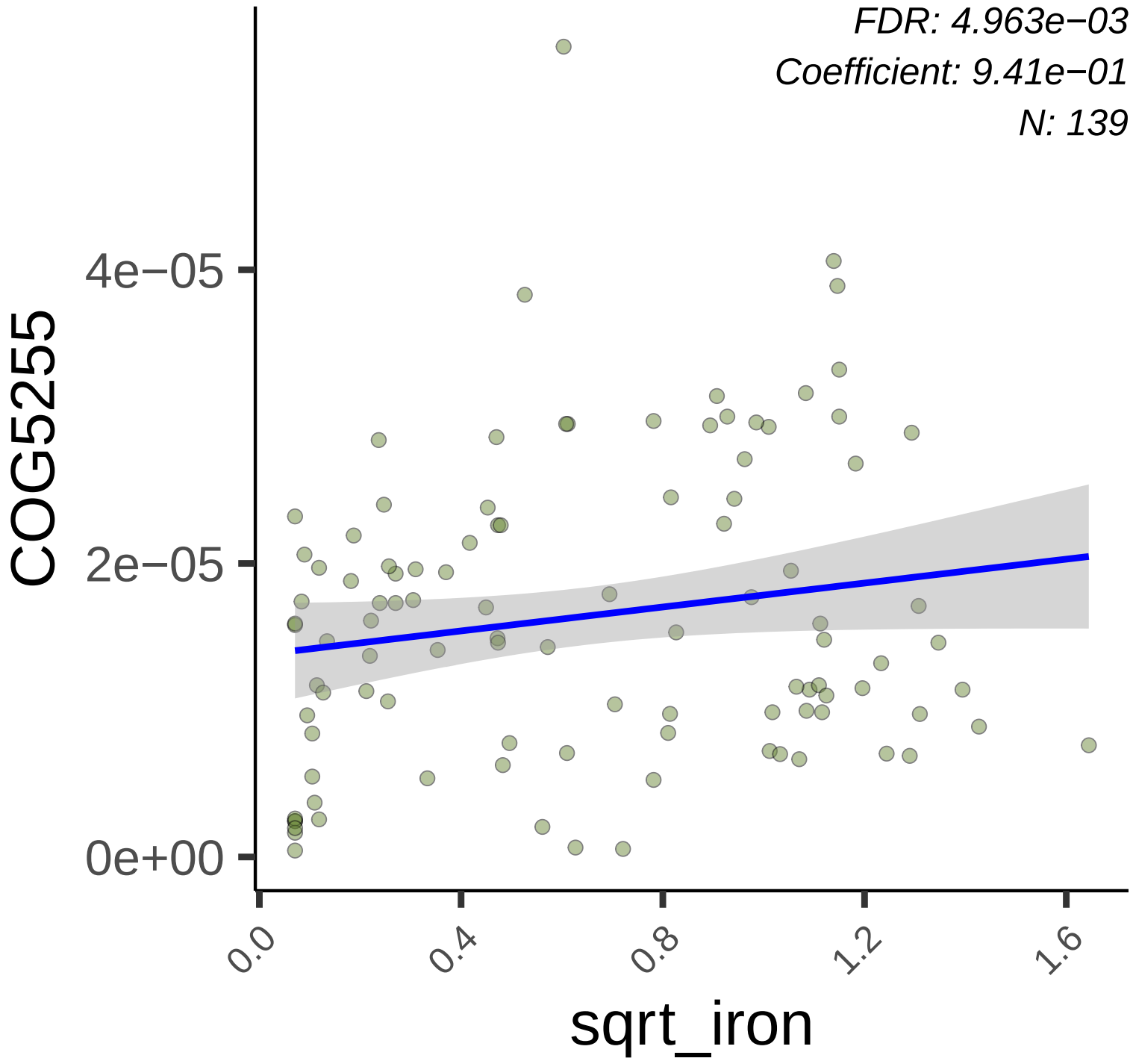
1.6
sqrt_iron


FDR: 4.963e−03
Coefficient: 9.41e−01
N: 139
COG5255
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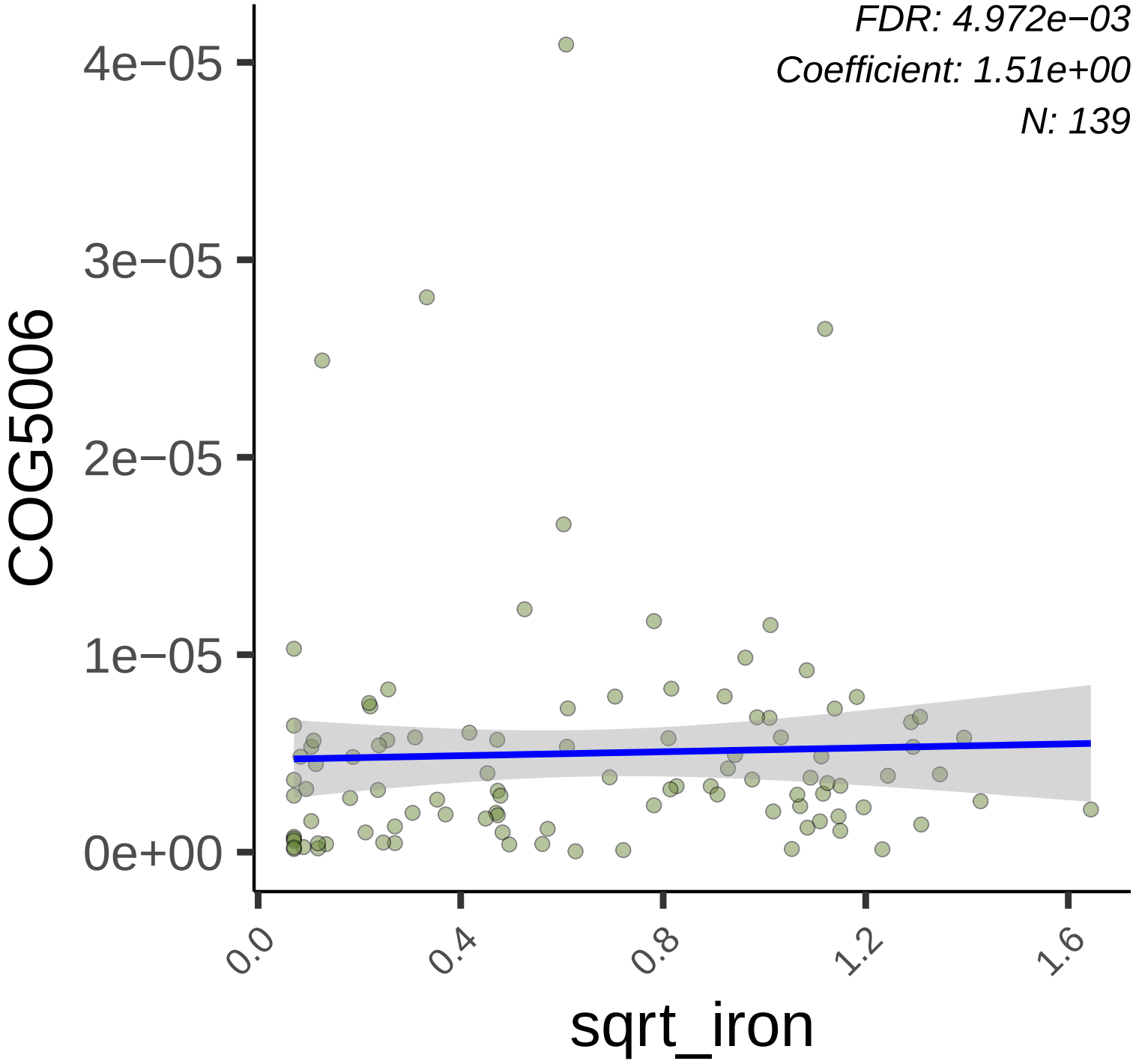
1.6
sqrt_iron


FDR: 4.972e−03
Coefficient: 1.51e+00
N: 139
COG5006
4e−05
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2e−05
1e−05
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0.4
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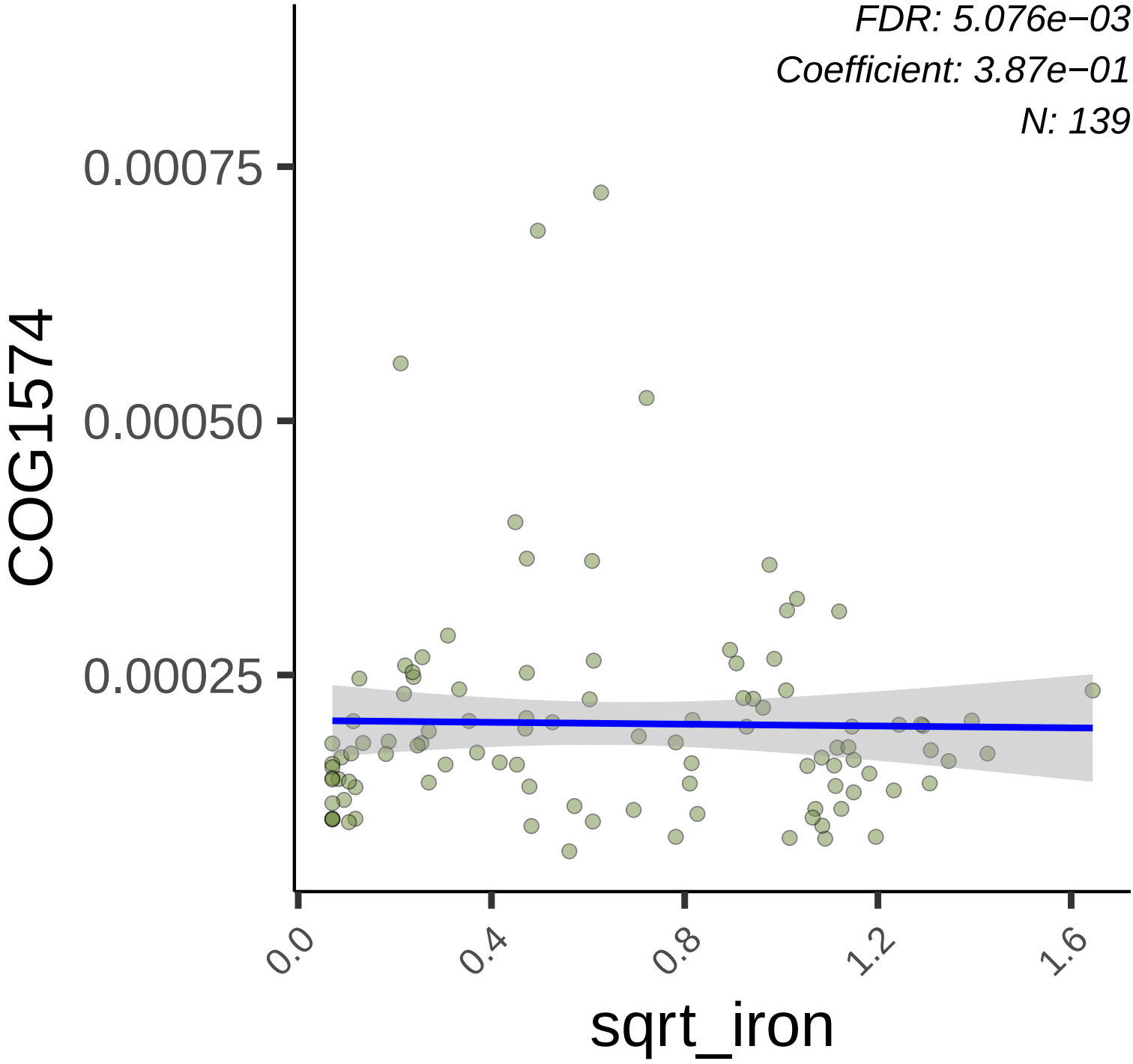
1.2
1.6
sqrt_iron


FDR: 5.076e−03
Coefficient: 3.87e−01
N: 139
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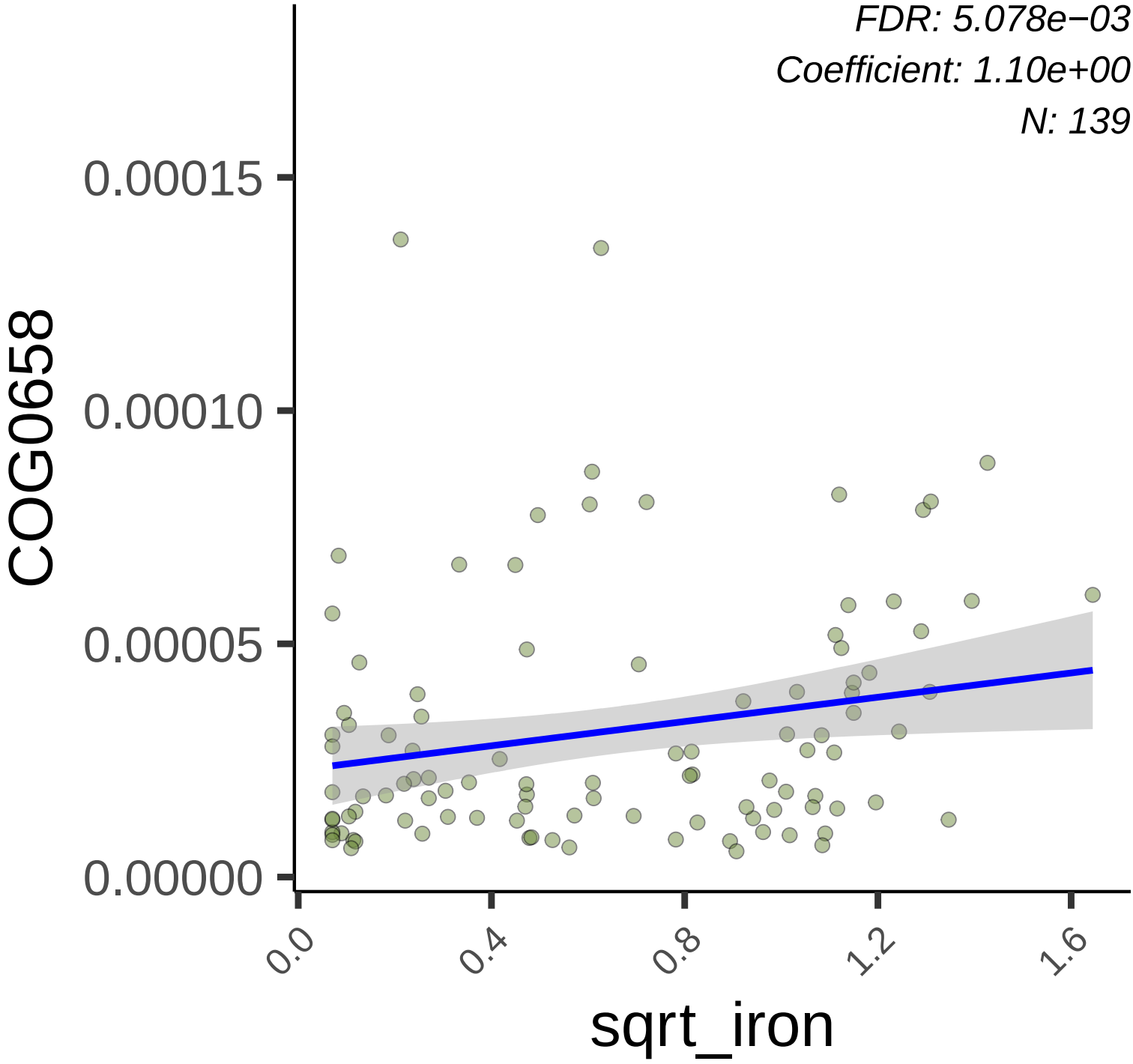
sqrt_iron


FDR: 5.078e−03
Coefficient: 1.10e+00
N: 139
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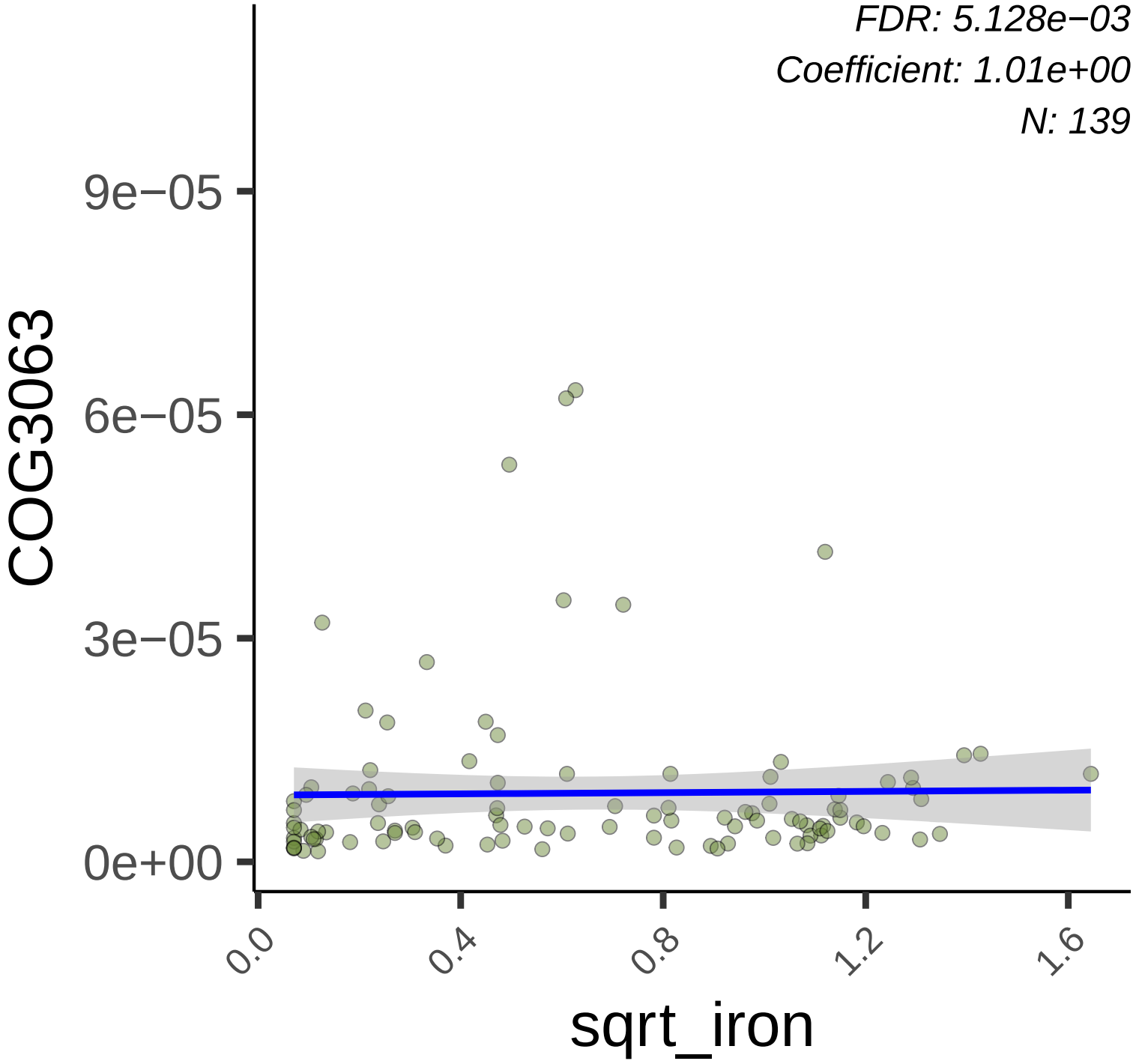
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.128e−03
Coefficient: 1.01e+00
N: 139
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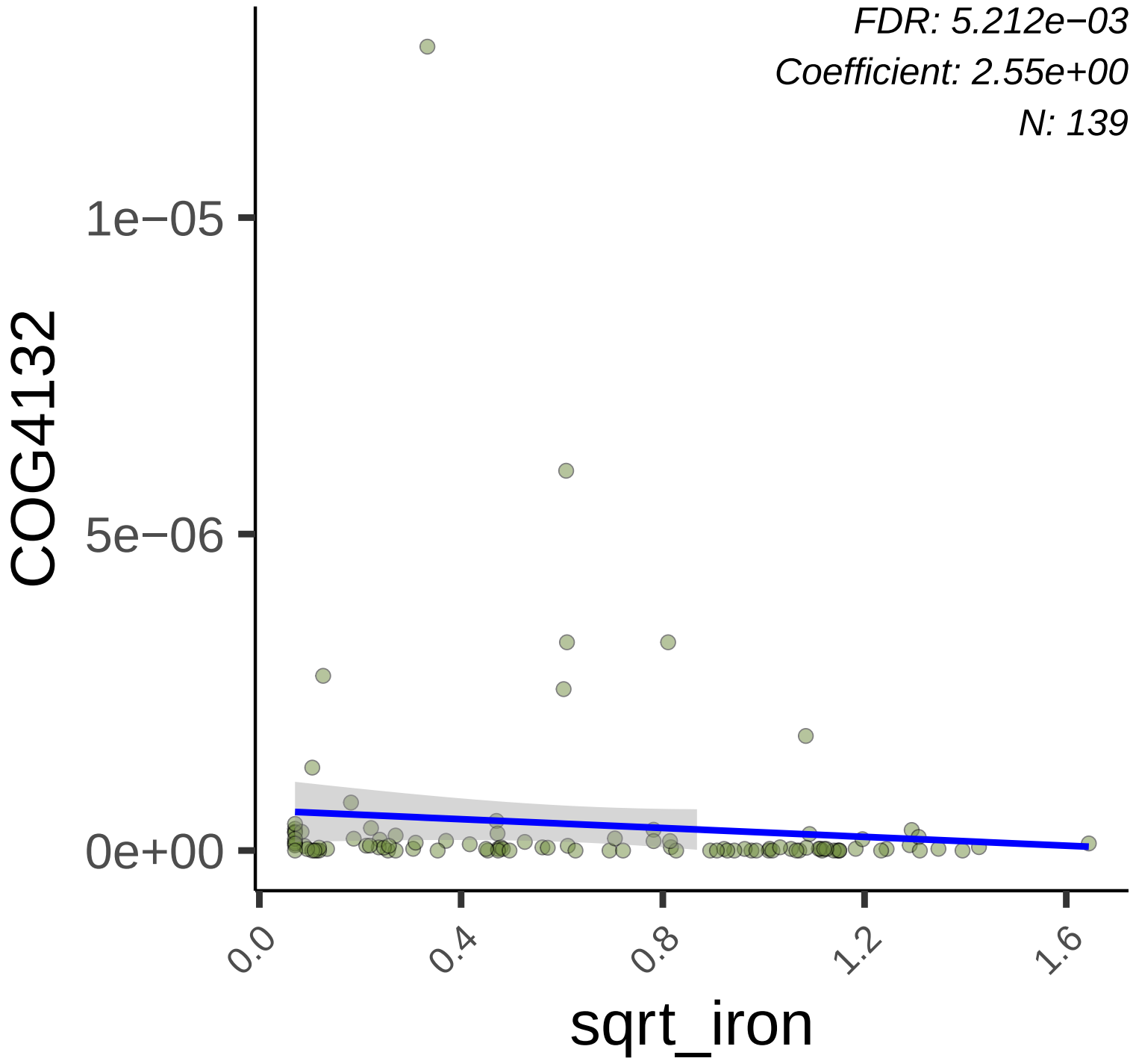
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.212e−03
Coefficient: 2.55e+00
N: 139
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5e−06
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COG4132
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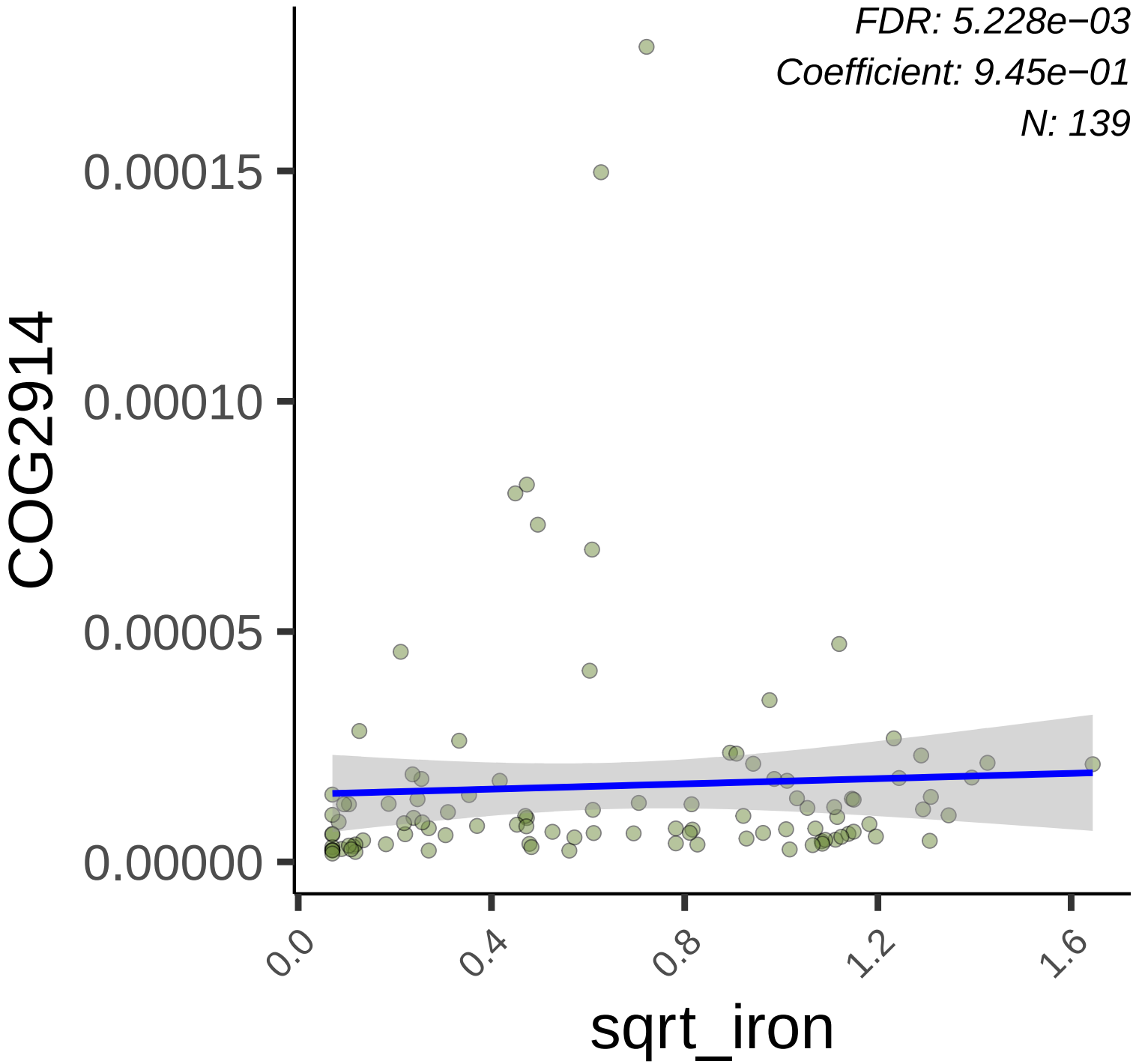
0.8
1.2
1.6
sqrt_iron


FDR: 5.228e−03
Coefficient: 9.45e−01
N: 139
COG2914
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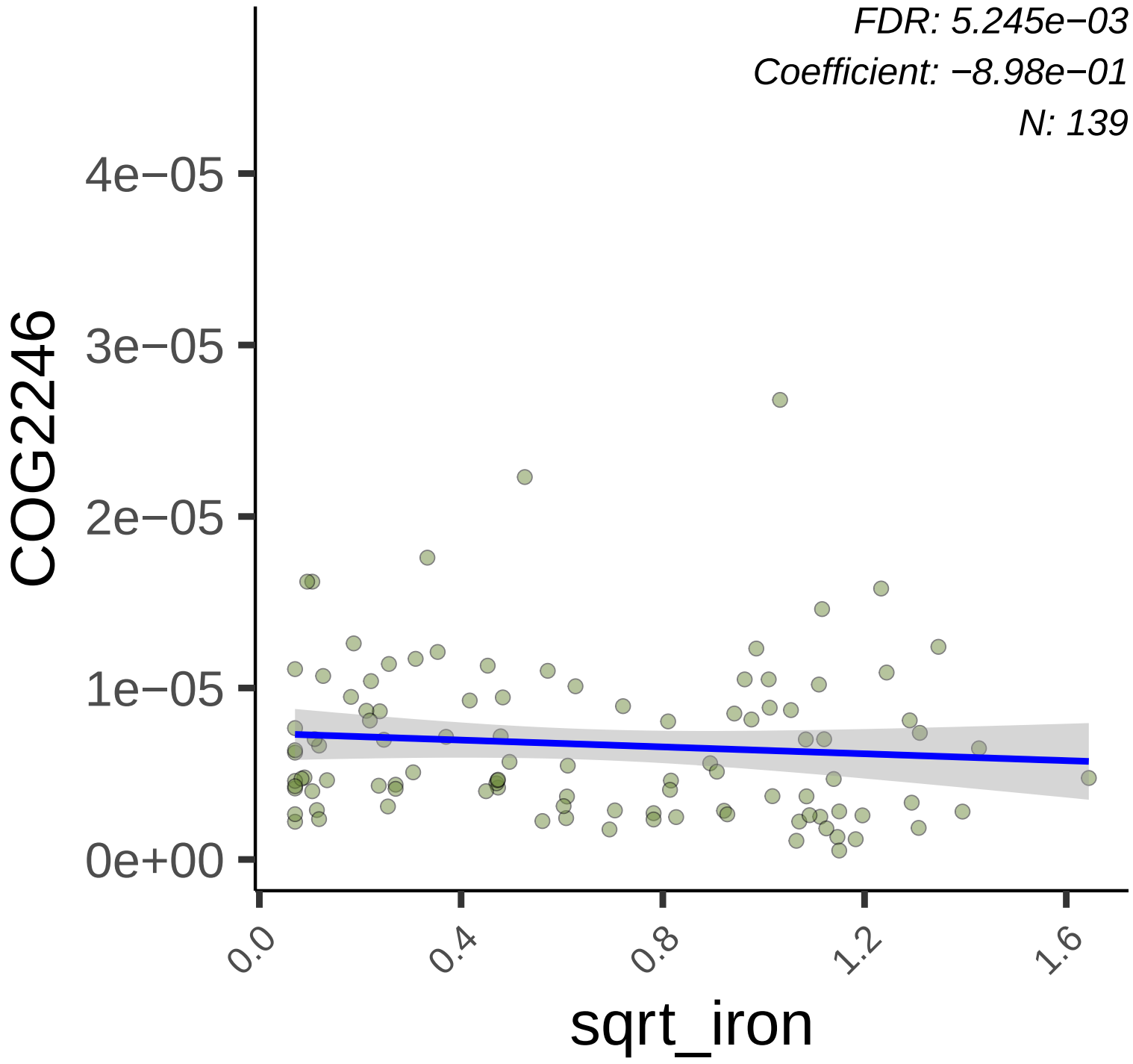
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.245e−03
Coefficient: −8.98e−01
N: 139
COG2246
4e−05
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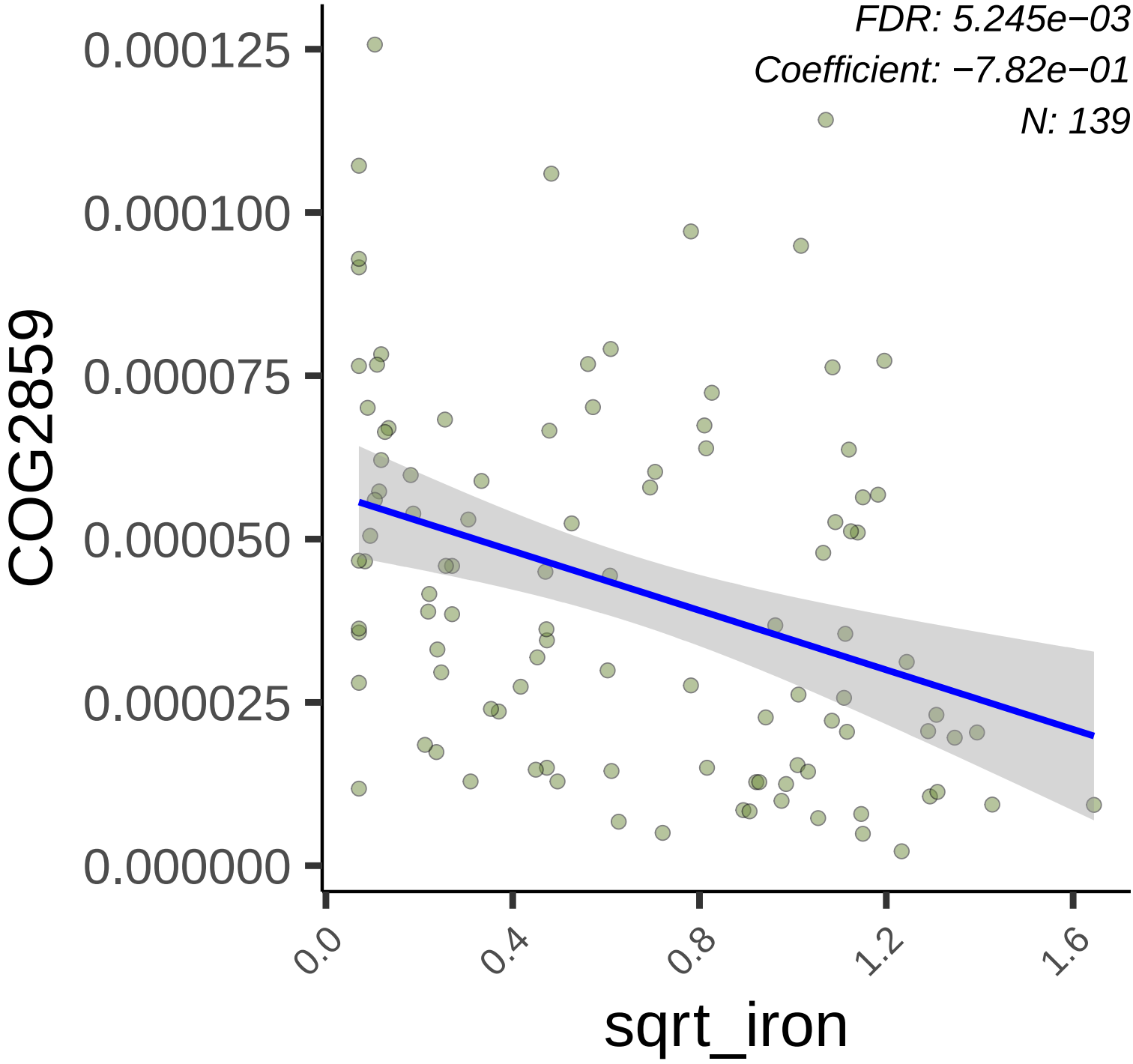
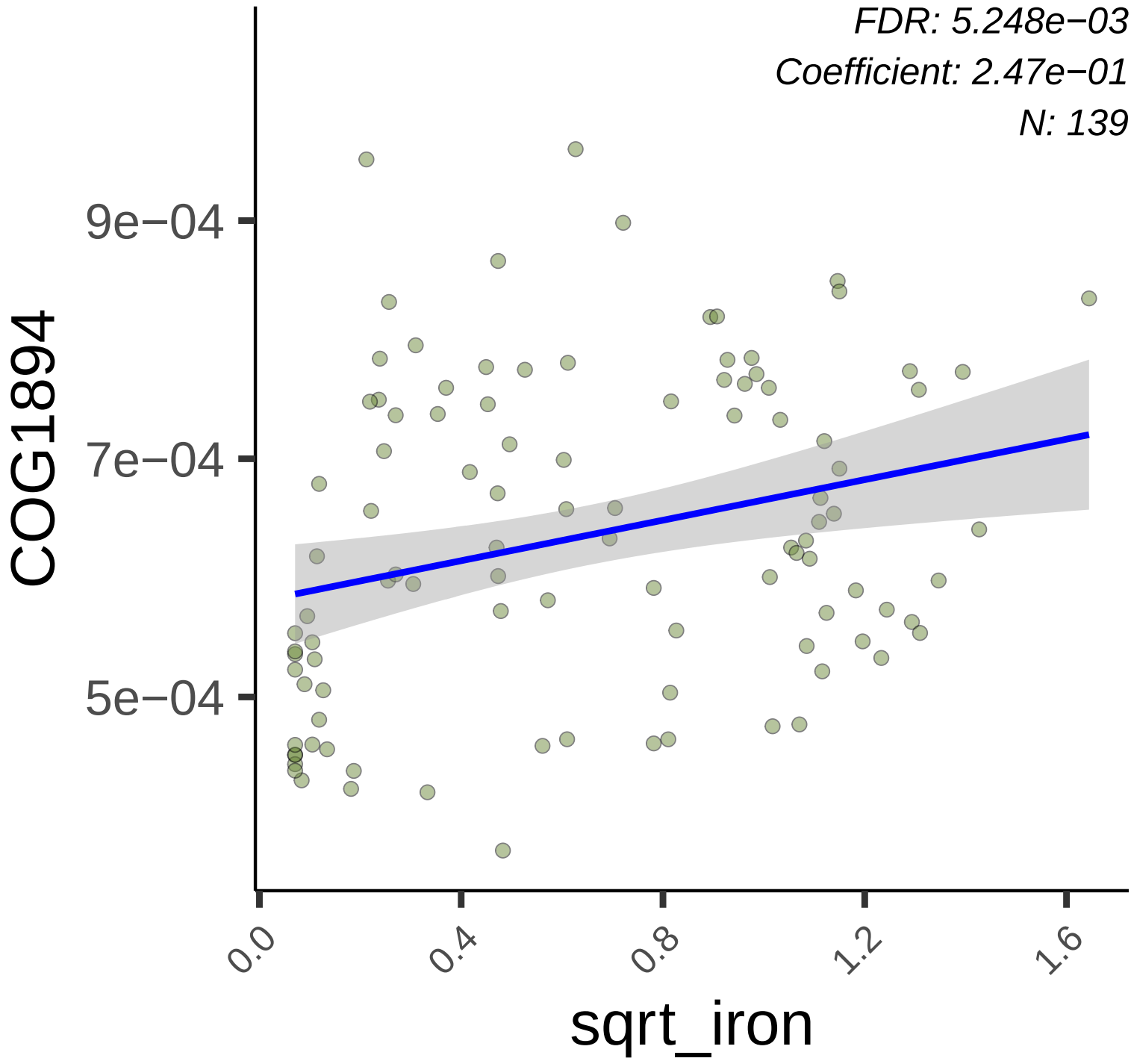
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.245e−03
Coefficient: −7.82e−01
N: 139
0.000125
0.000100
0.000075
0.000050
0.000025
0.000000
COG2859
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.248e−03
Coefficient: 2.47e−01
N: 139
COG1894
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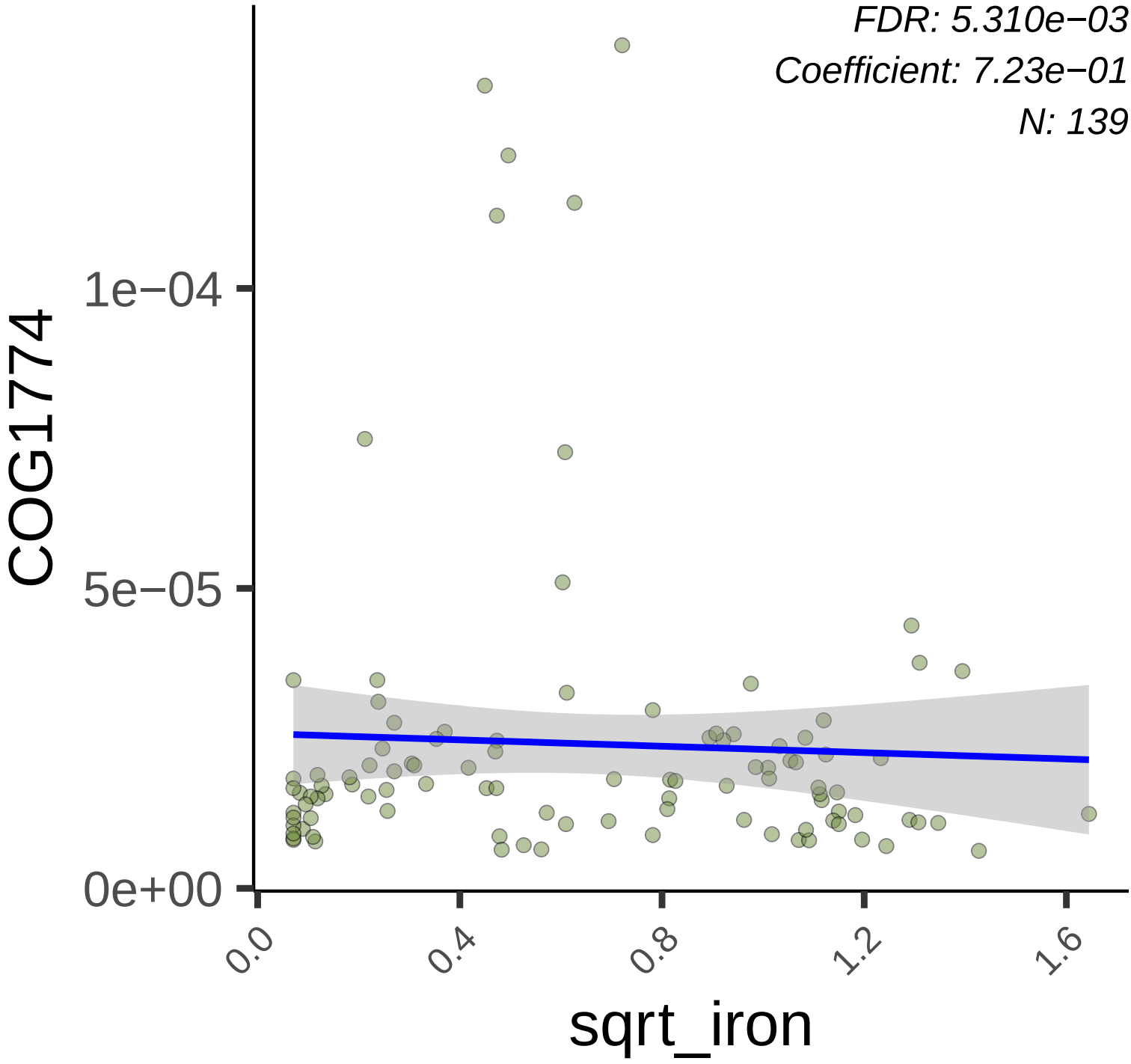
7e−04
5e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.310e−03
Coefficient: 7.23e−01
N: 139
COG1774
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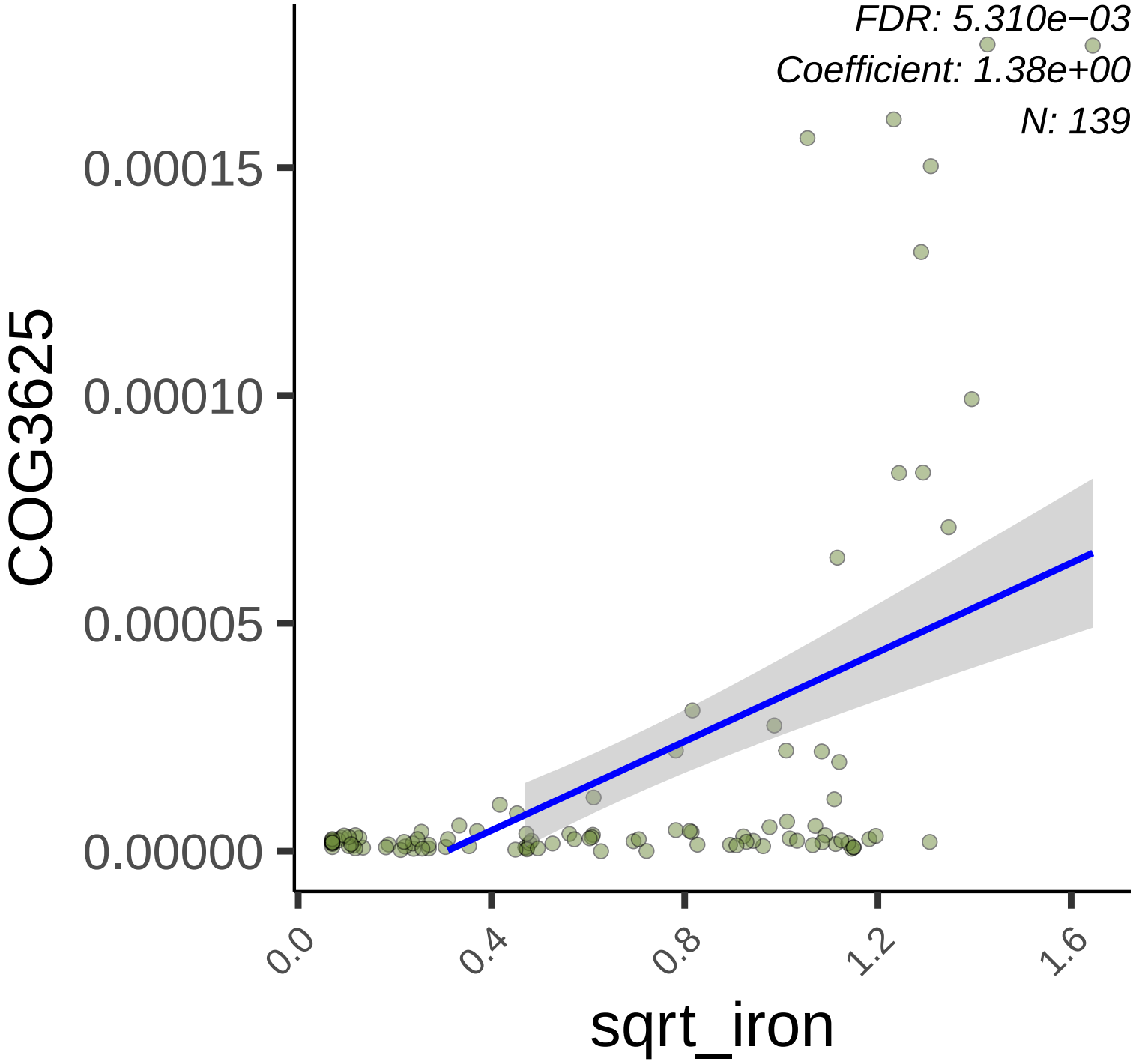
5e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.310e−03
Coefficient: 1.38e+00
N: 139
COG3625
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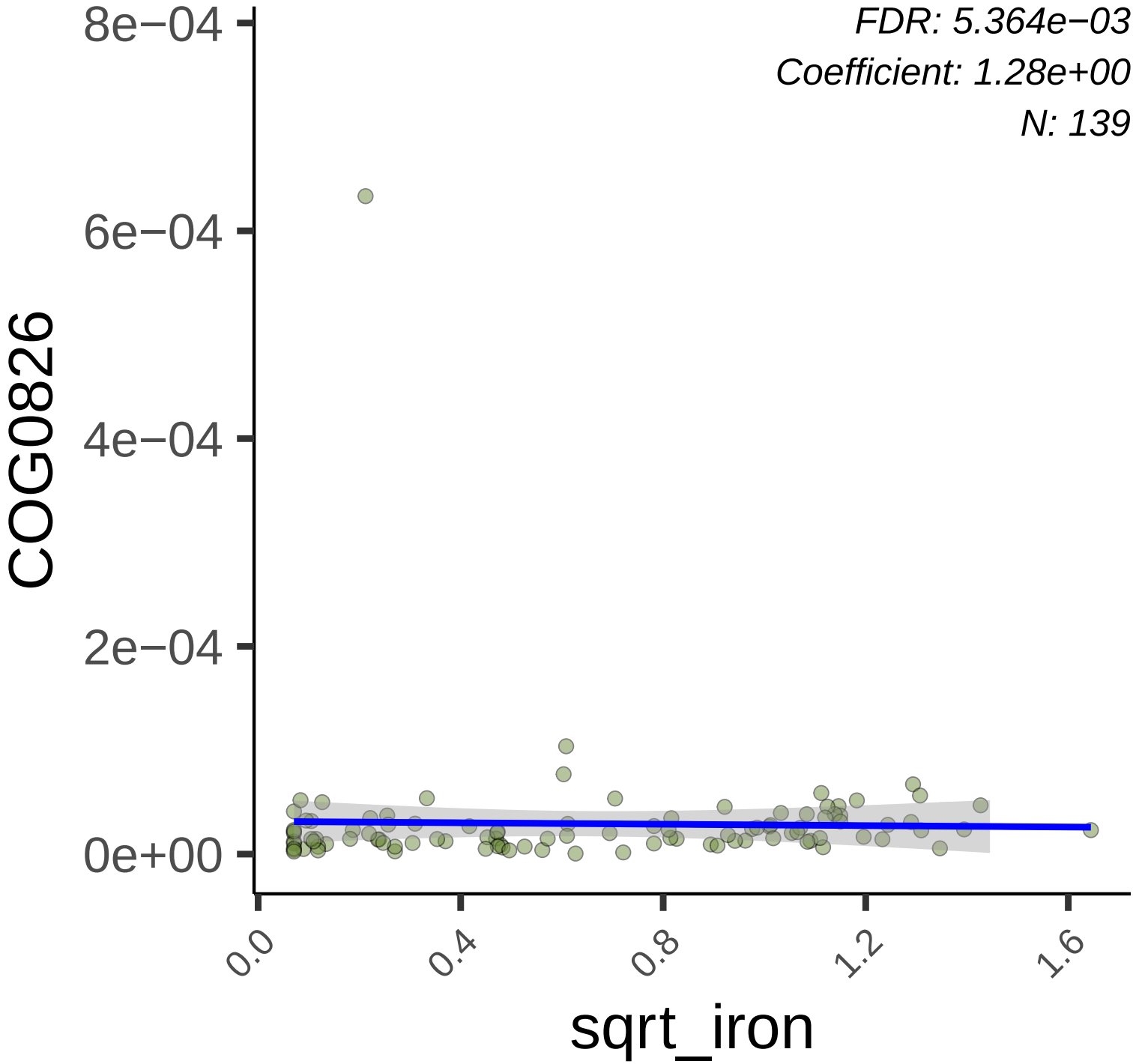
0.00005
0.00010
0.00015
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.364e−03
Coefficient: 1.28e+00
N: 139
8e−04
6e−04
4e−04
2e−04
0e+00
COG0826
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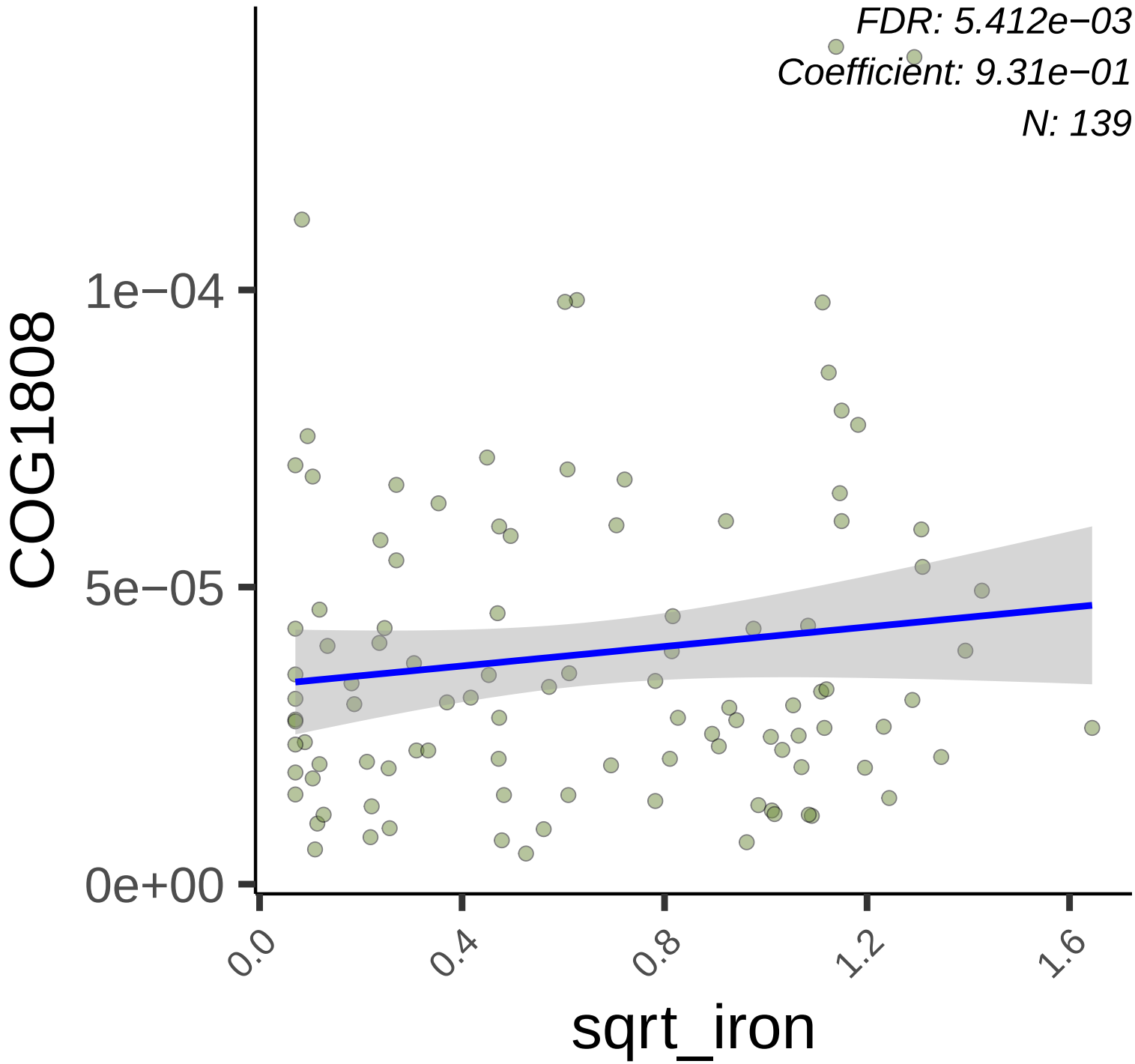
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.412e−03
Coefficient: 9.31e−01
N: 139
COG1808
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5e−05
0e+00
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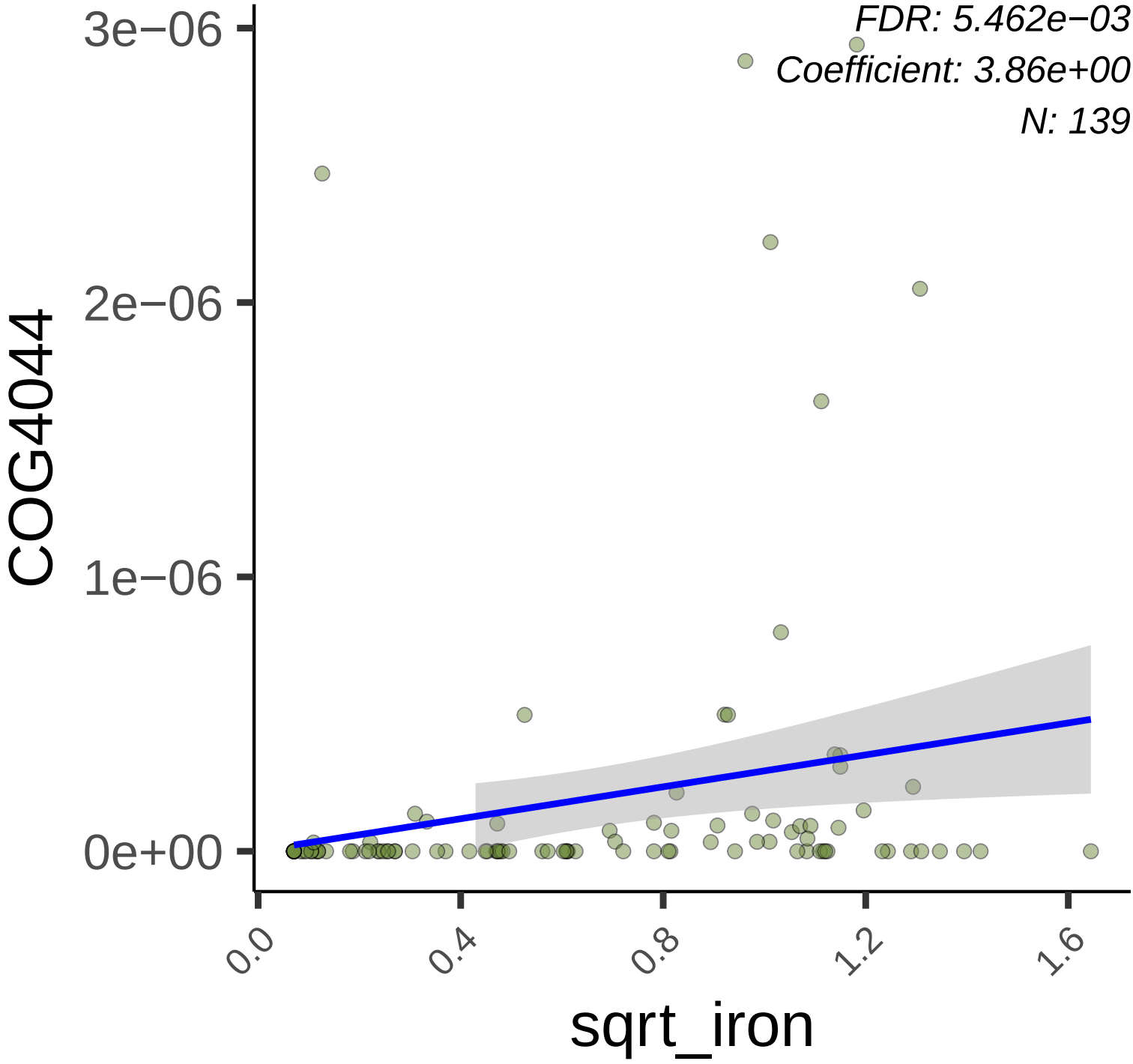
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.462e−03
Coefficient: 3.86e+00
N: 139
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2e−06
1e−06
0e+00
COG4044
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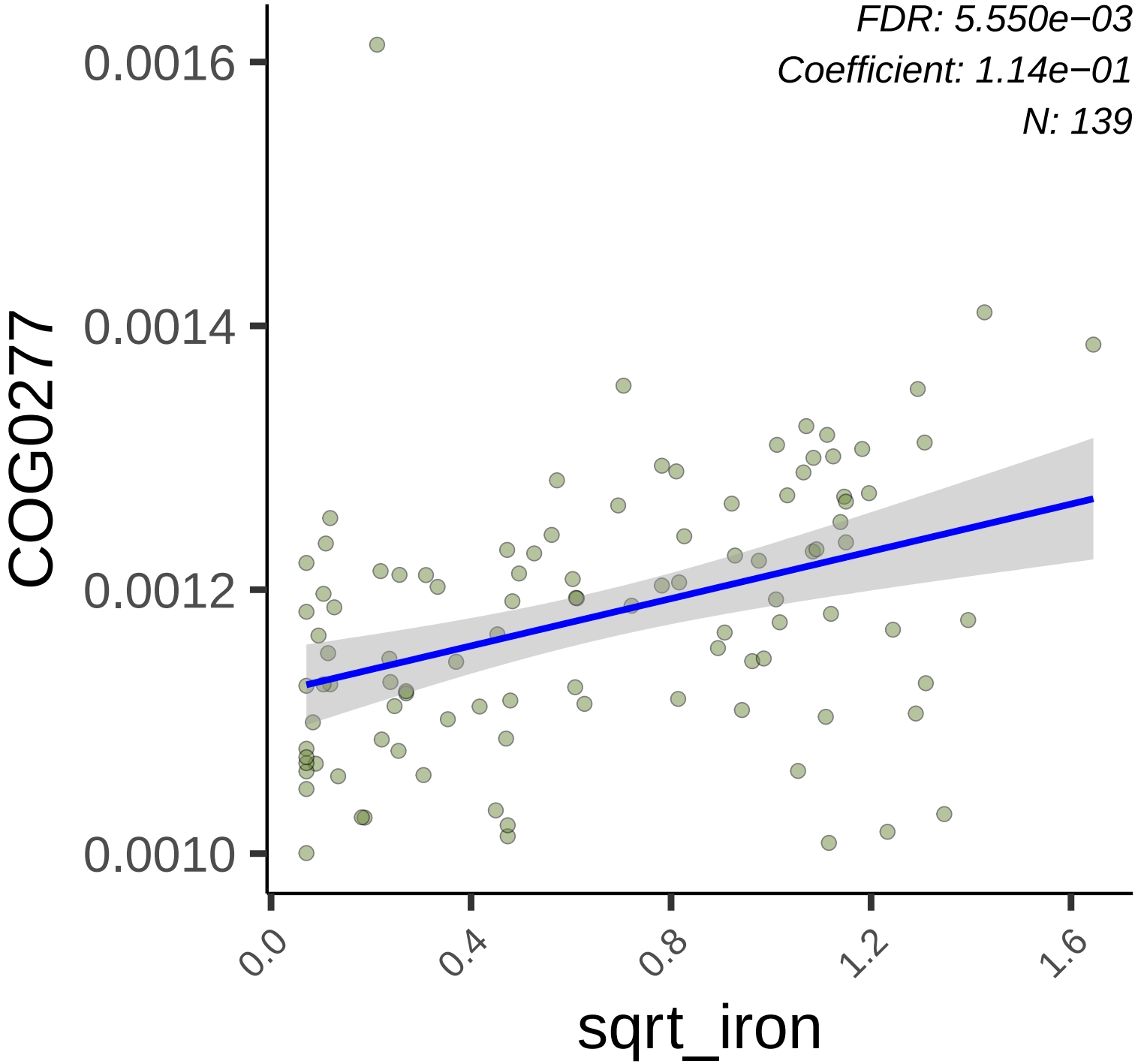
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.550e−03
Coefficient: 1.14e−01
N: 139
COG0277
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0.0012
0.0010
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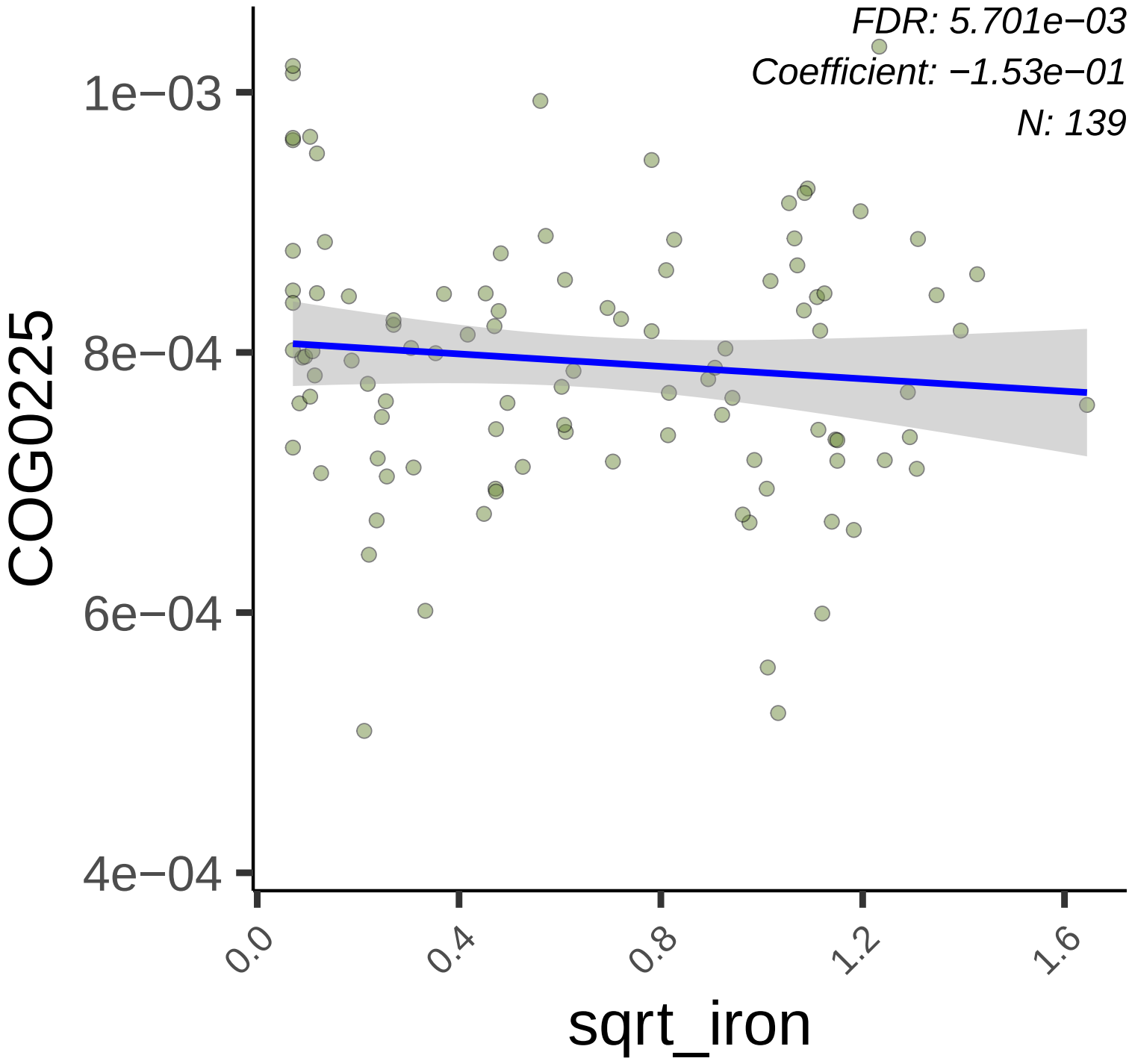
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.701e−03
Coefficient: −1.53e−01
N: 139
1e−03
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6e−04
4e−04
COG0225
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0.4
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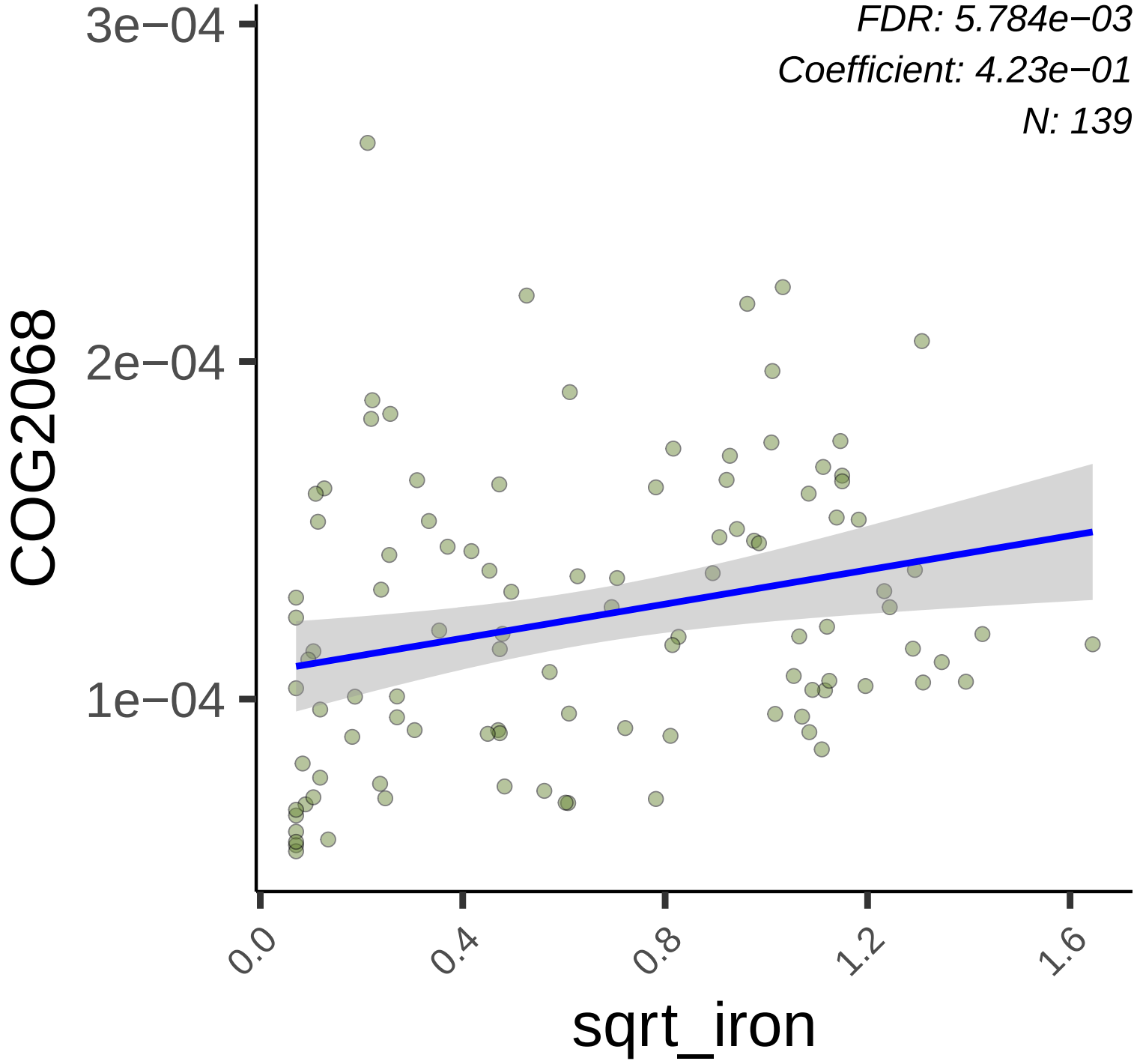
1.2
1.6
sqrt_iron


FDR: 5.784e−03
Coefficient: 4.23e−01
N: 139
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COG2068
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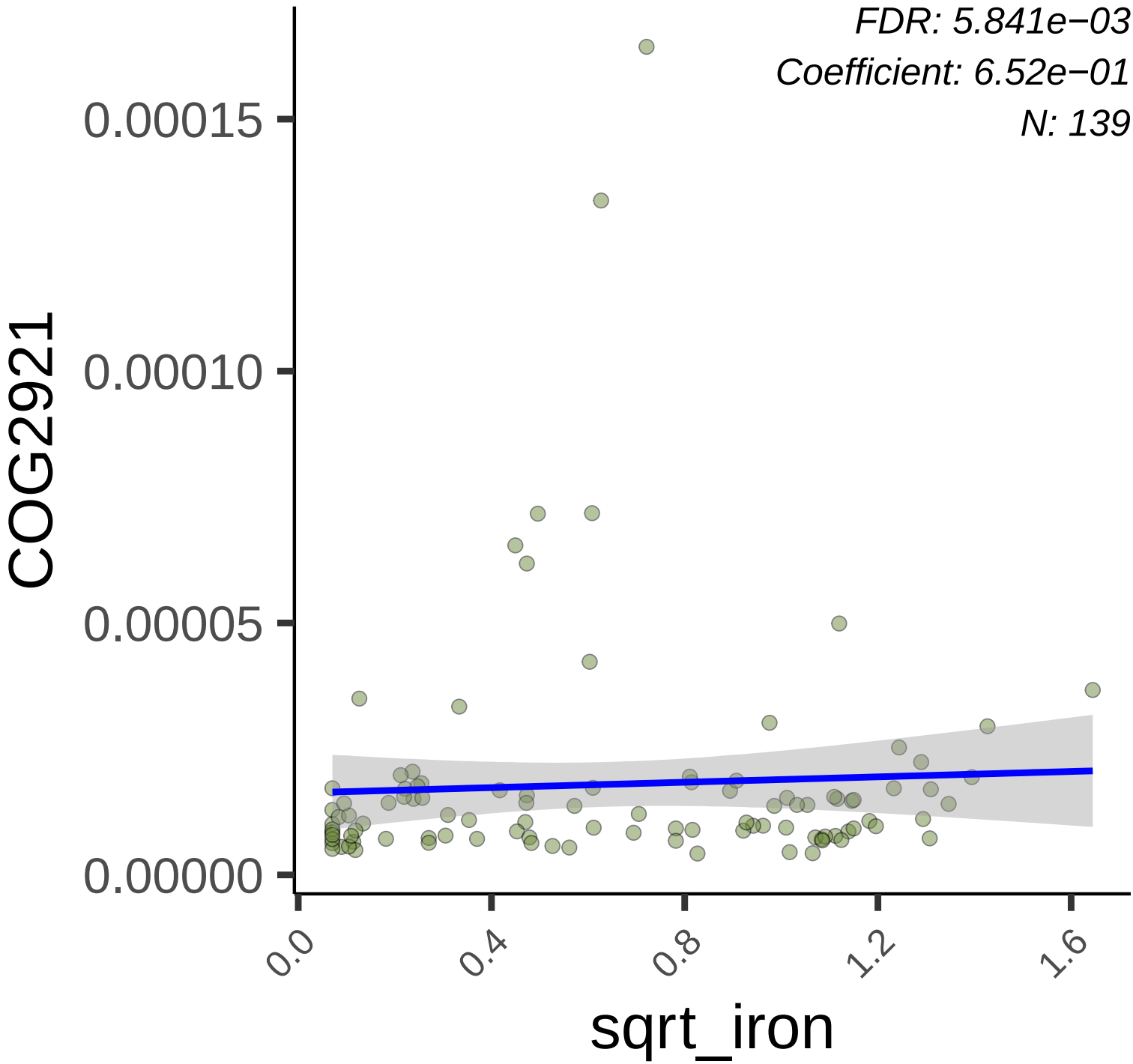
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.841e−03
Coefficient: 6.52e−01
N: 139
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0.4
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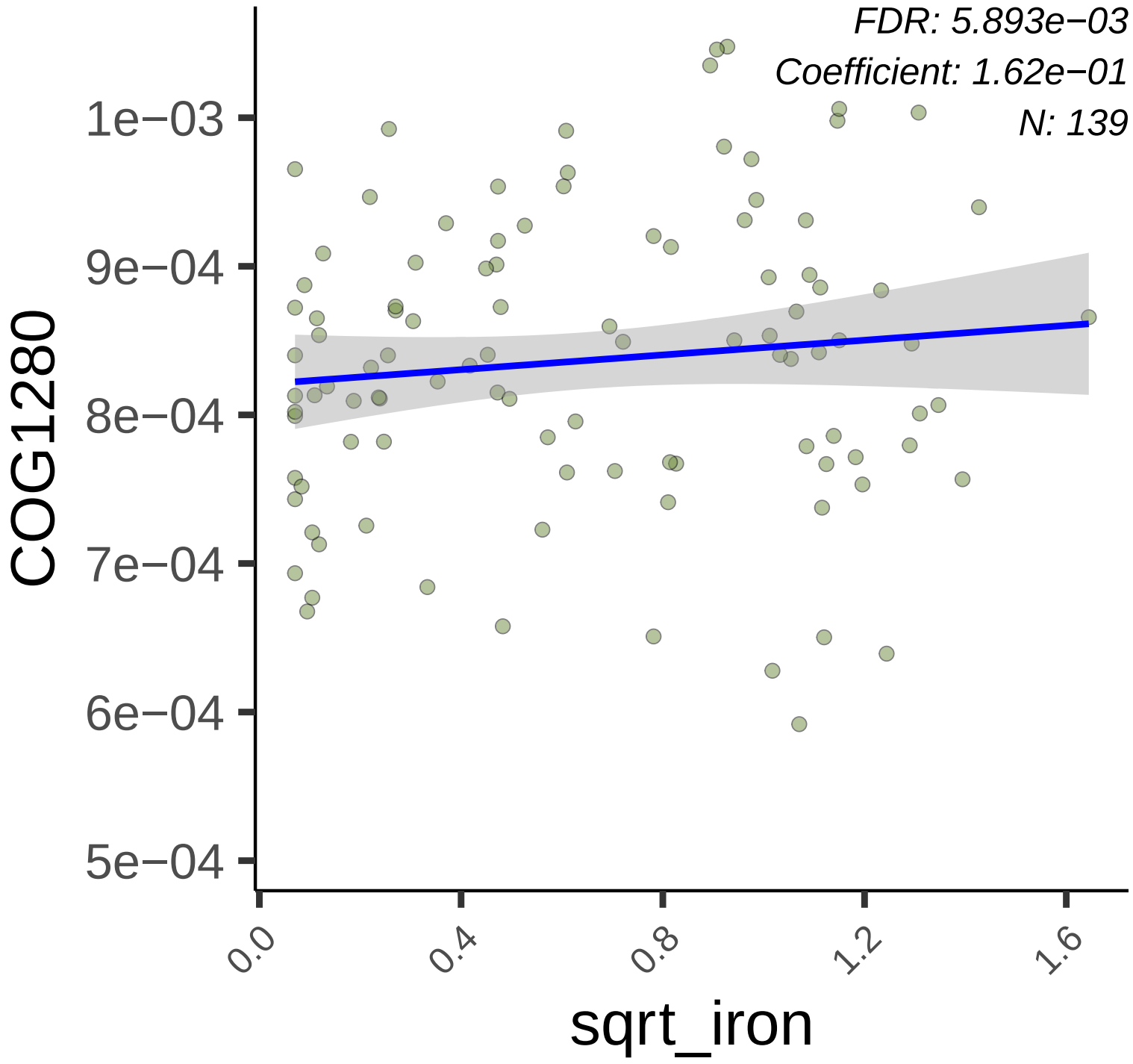
1.6
sqrt_iron


FDR: 5.893e−03
Coefficient: 1.62e−01
N: 139
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9e−04
8e−04
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COG1280
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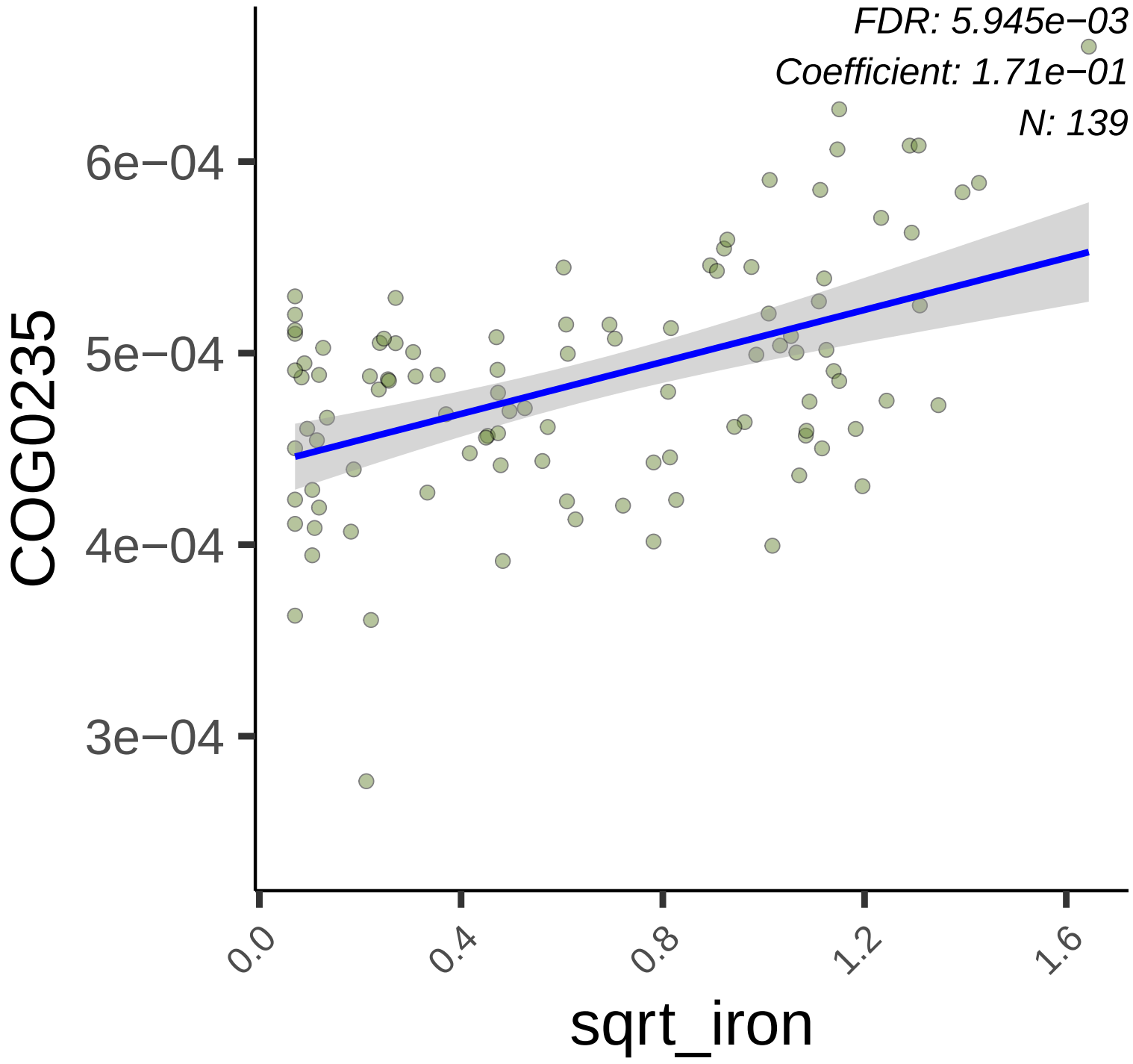
sqrt_iron


FDR: 5.945e−03
Coefficient: 1.71e−01
N: 139
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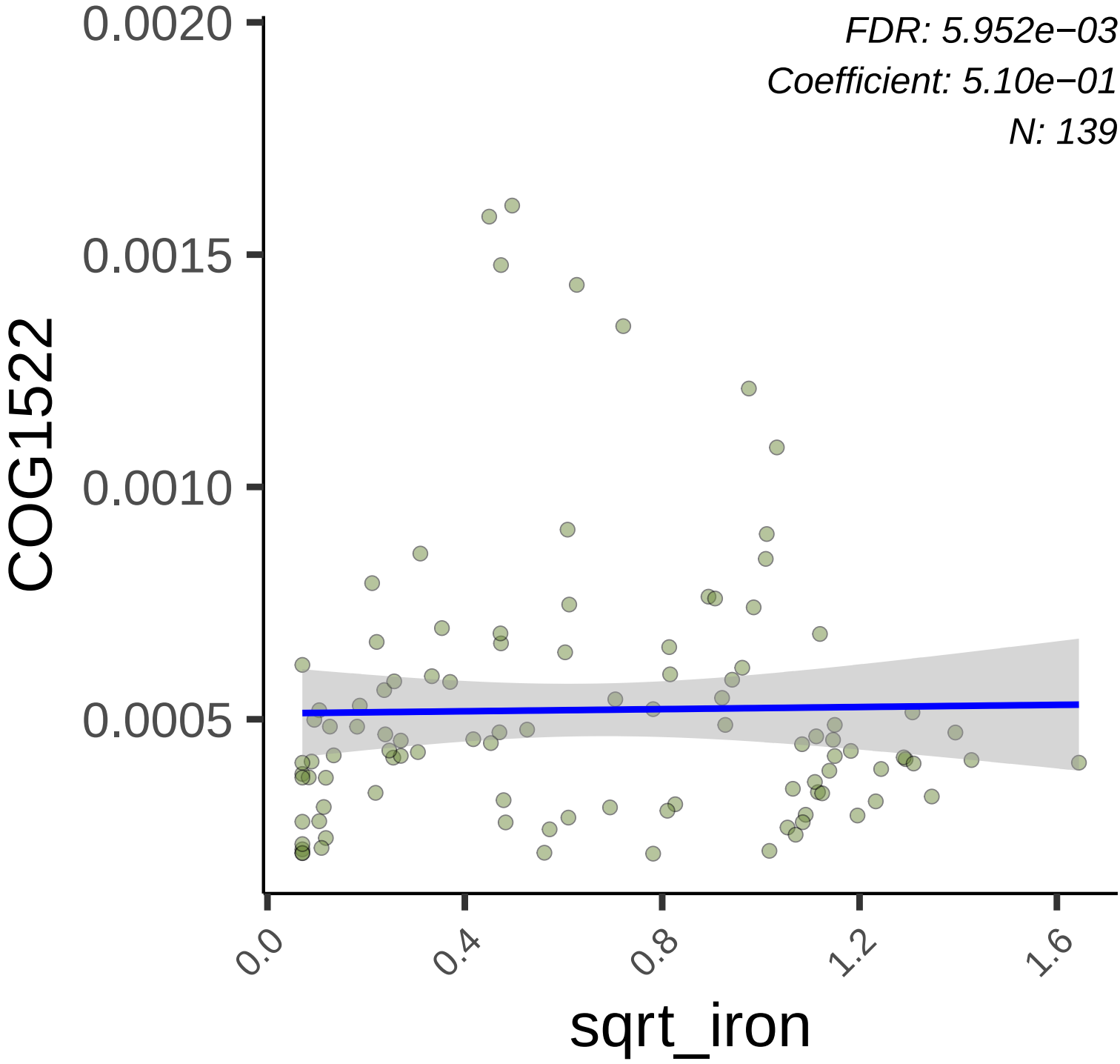
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.952e−03
Coefficient: 5.10e−01
N: 139
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0.0010
0.0005
COG1522
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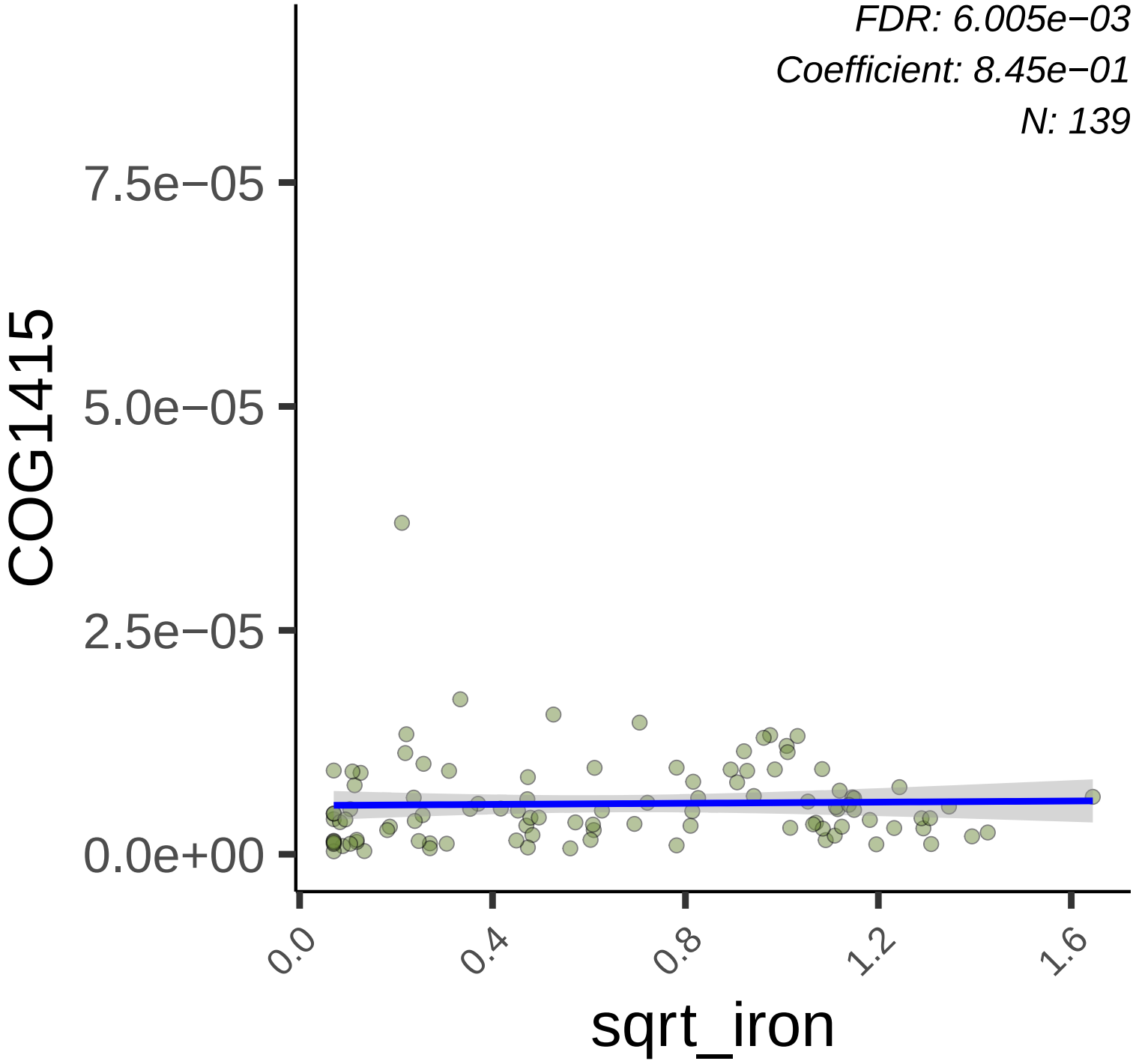
1.2
1.6
sqrt_iron


FDR: 6.005e−03
Coefficient: 8.45e−01
N: 139
COG1415
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2.5e−05
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0.4
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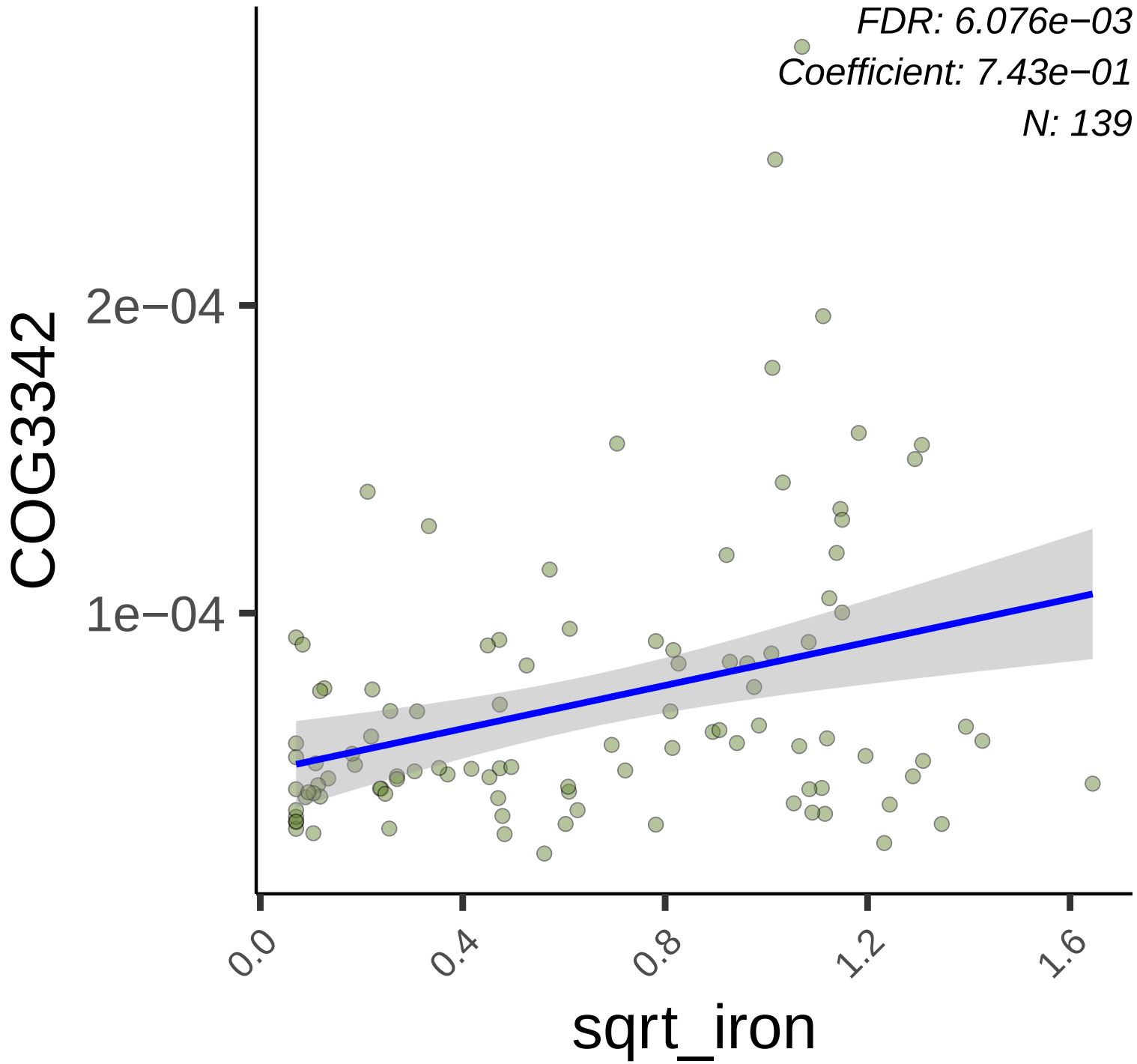
1.2
1.6
sqrt_iron


FDR: 6.076e−03
Coefficient: 7.43e−01
N: 139
COG3342
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1e−04
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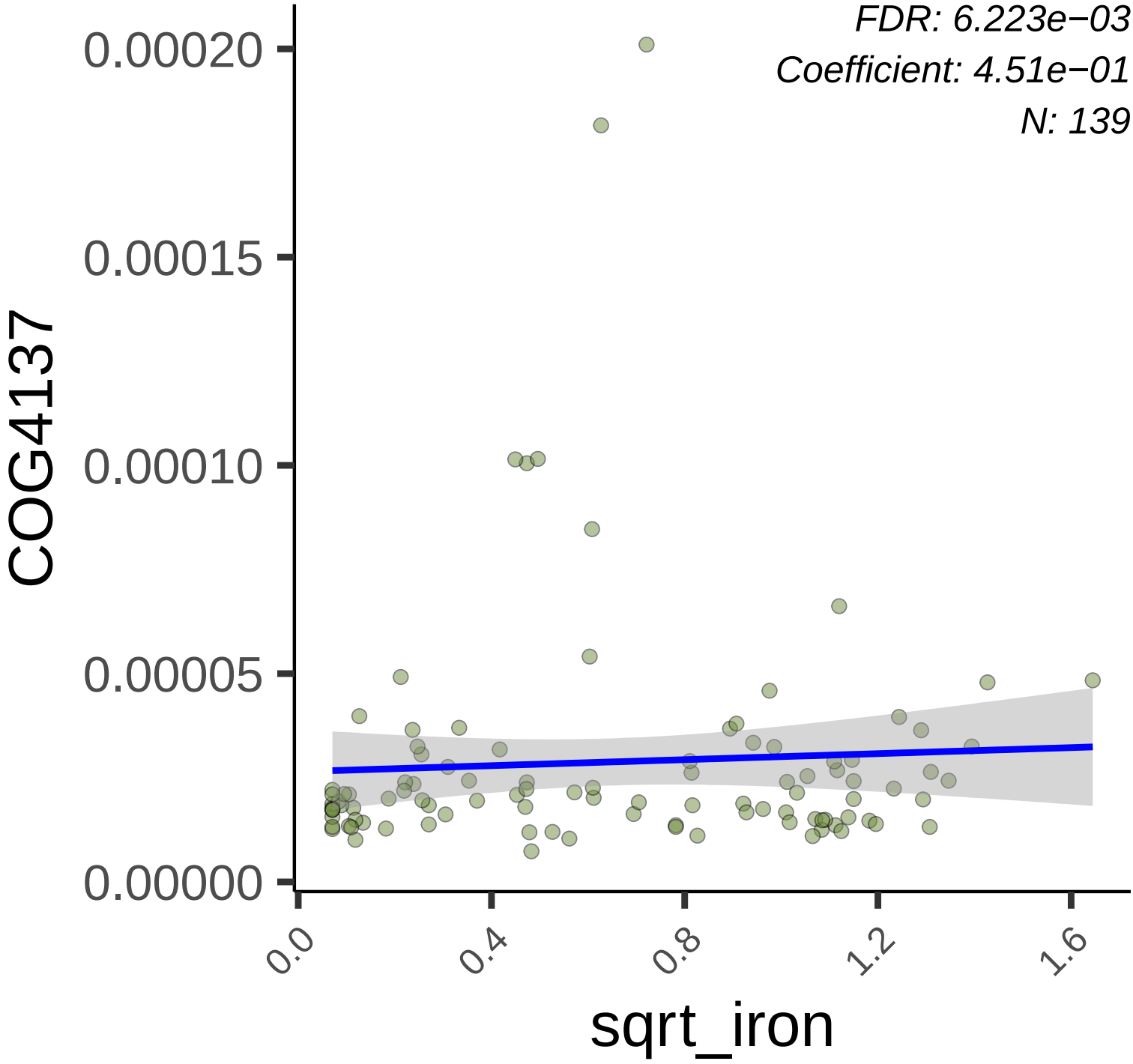
1.6
sqrt_iron


FDR: 6.223e−03
Coefficient: 4.51e−01
N: 139
COG4137
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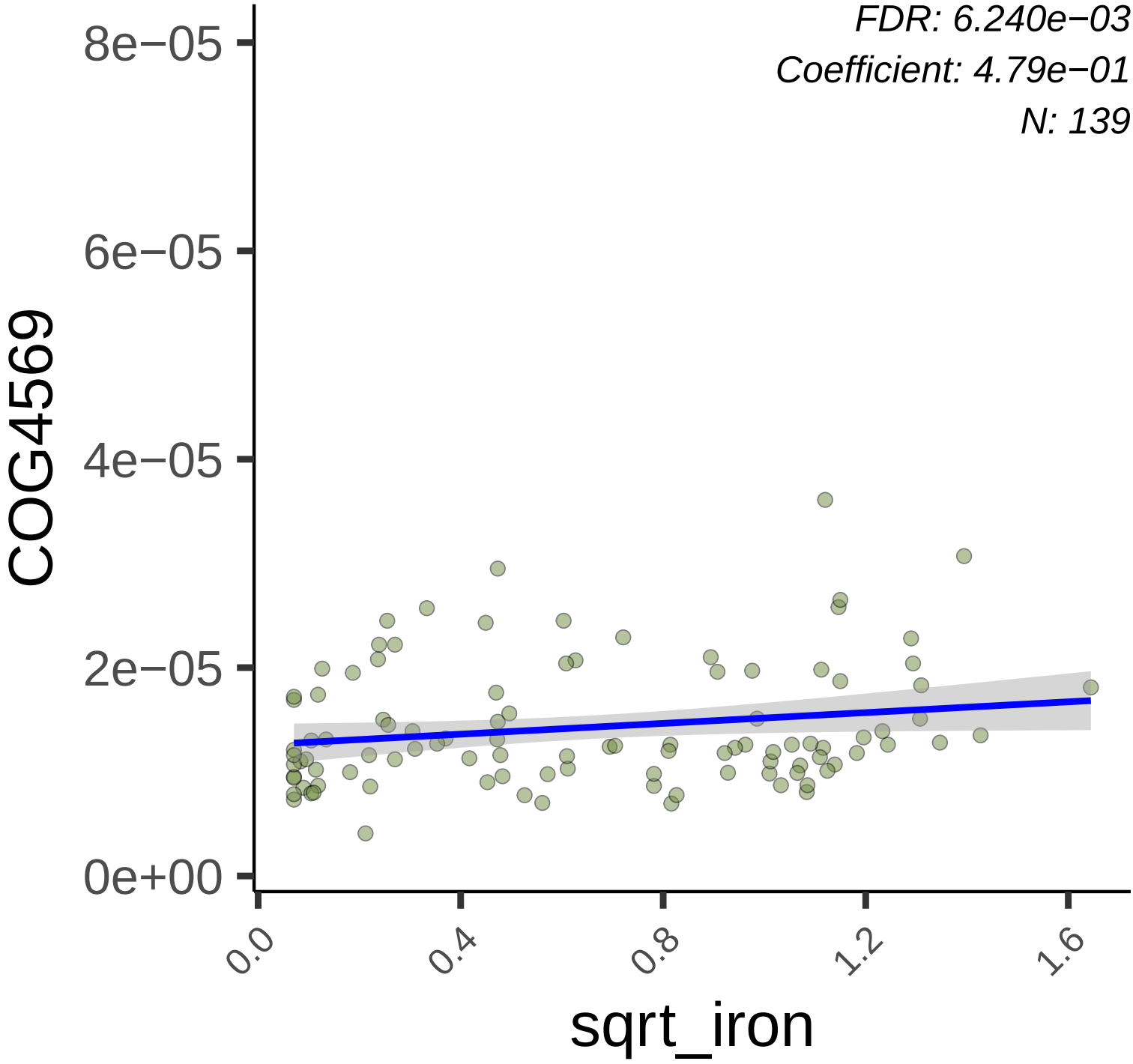
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.240e−03
Coefficient: 4.79e−01
N: 139
COG4569
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4e−05
2e−05
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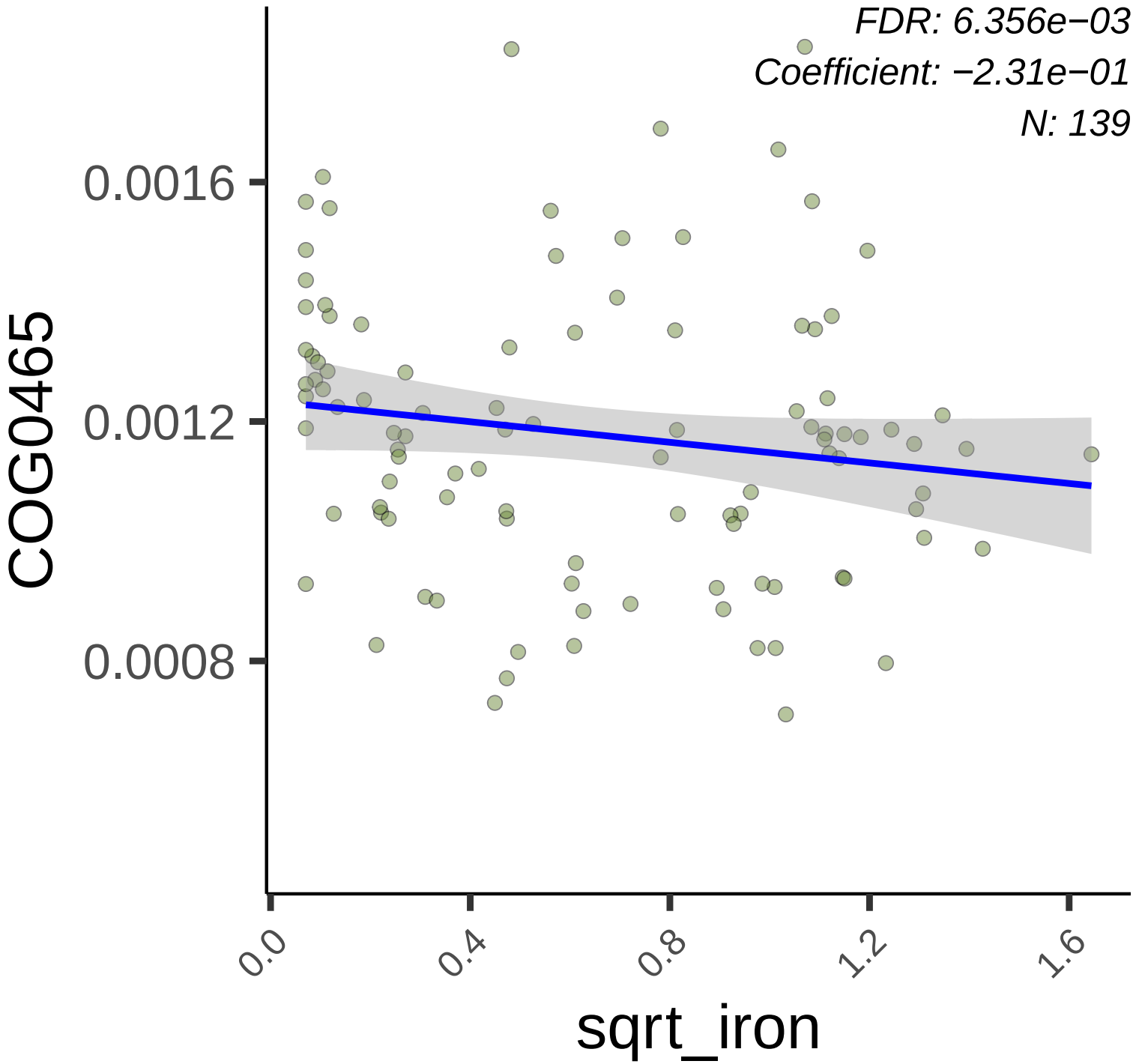
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.356e−03
Coefficient: −2.31e−01
N: 139
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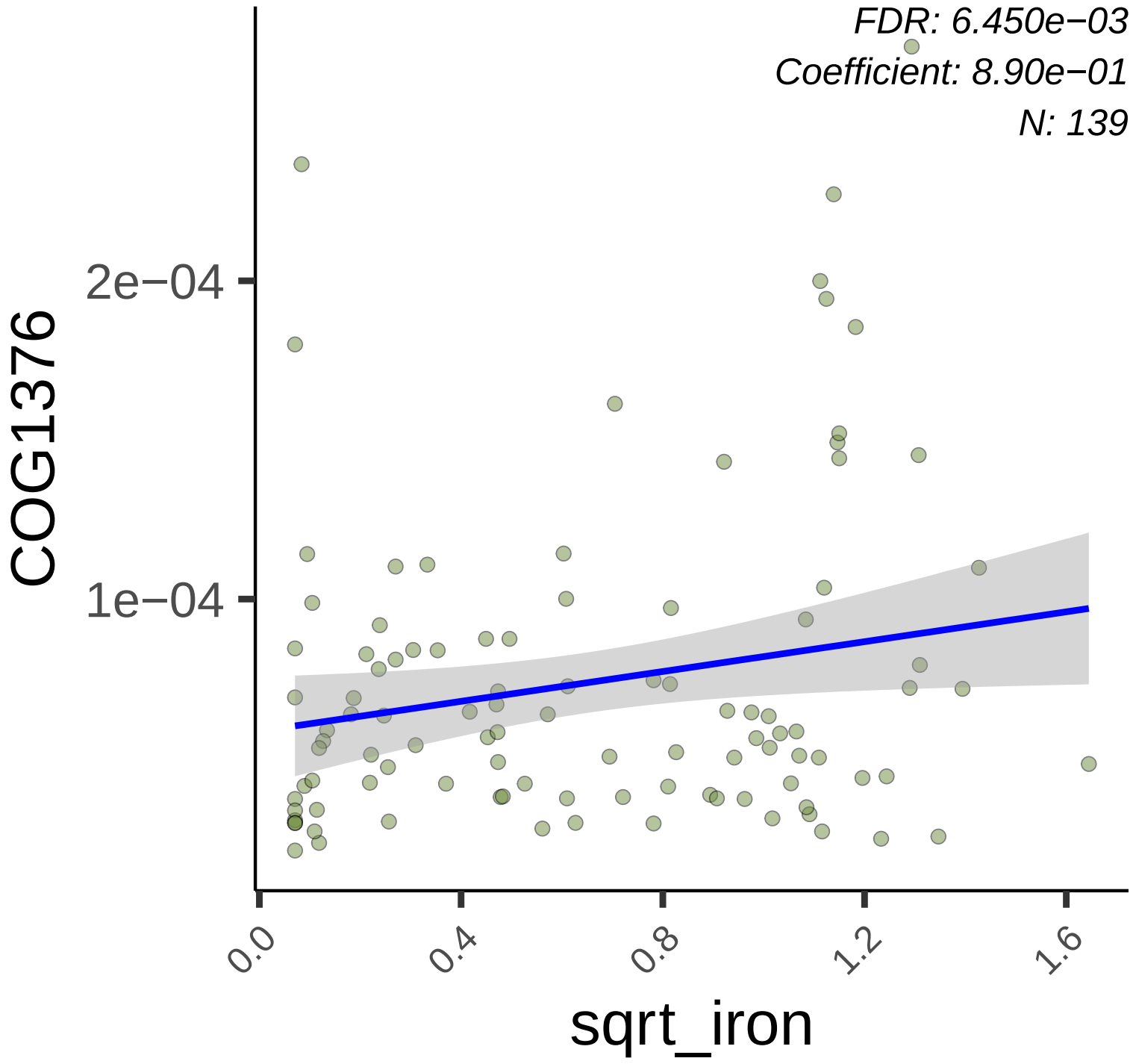
1.6
sqrt_iron


FDR: 6.450e−03
Coefficient: 8.90e−01
N: 139
COG1376
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1e−04
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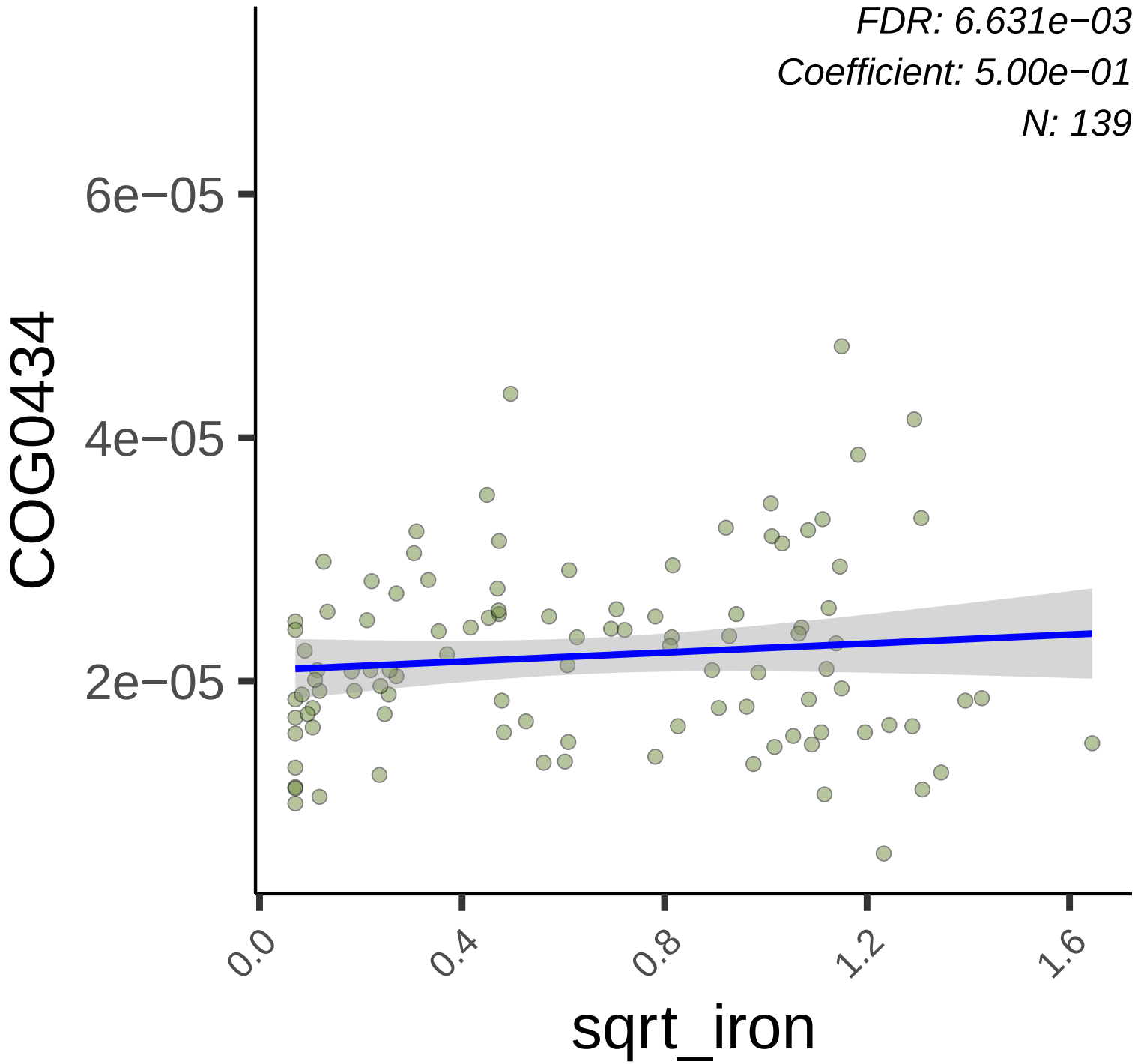
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.631e−03
Coefficient: 5.00e−01
N: 139
COG0434
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4e−05
2e−05
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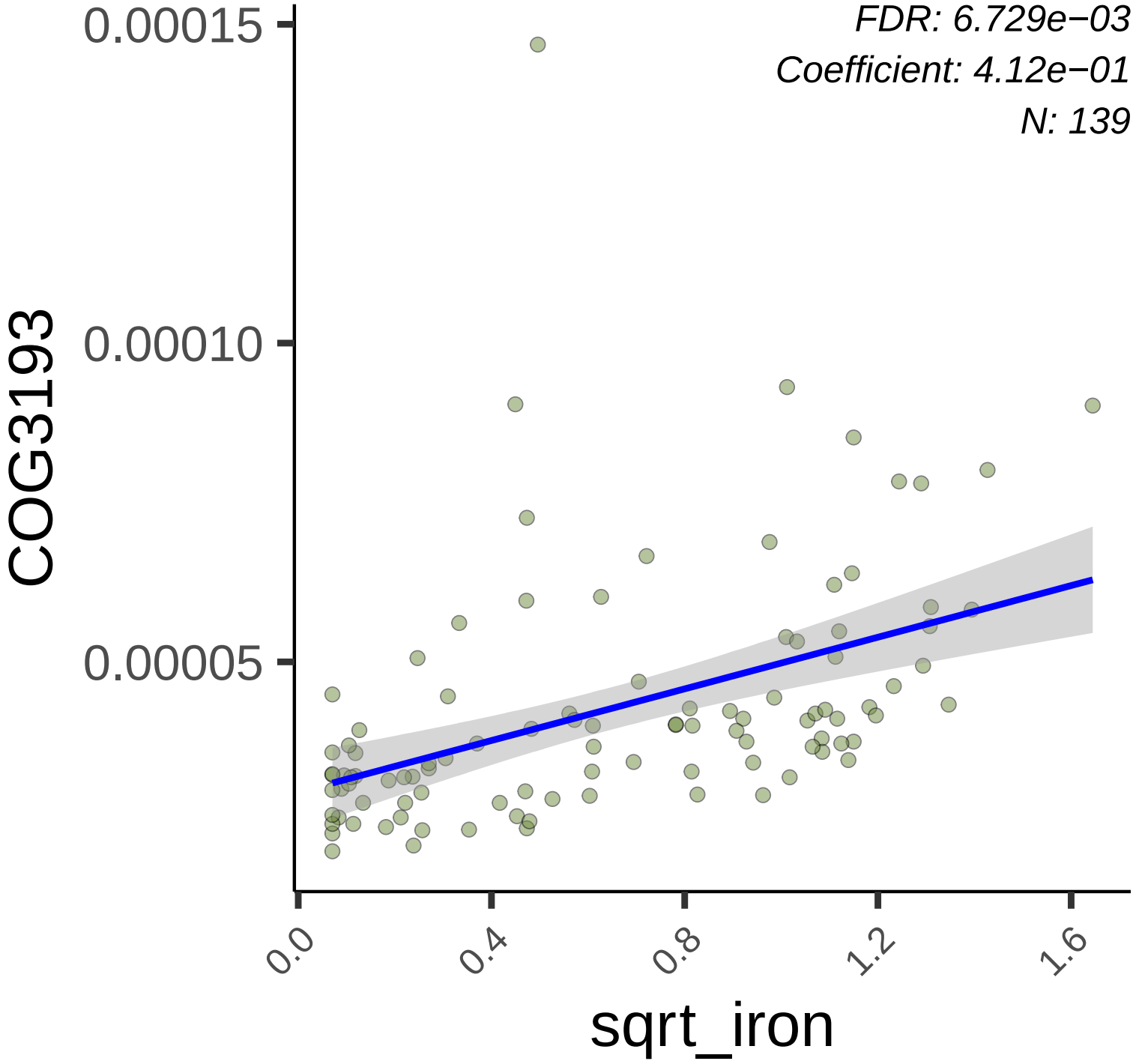
0.8
1.2
1.6
sqrt_iron


FDR: 6.729e−03
Coefficient: 4.12e−01
N: 139
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COG3193
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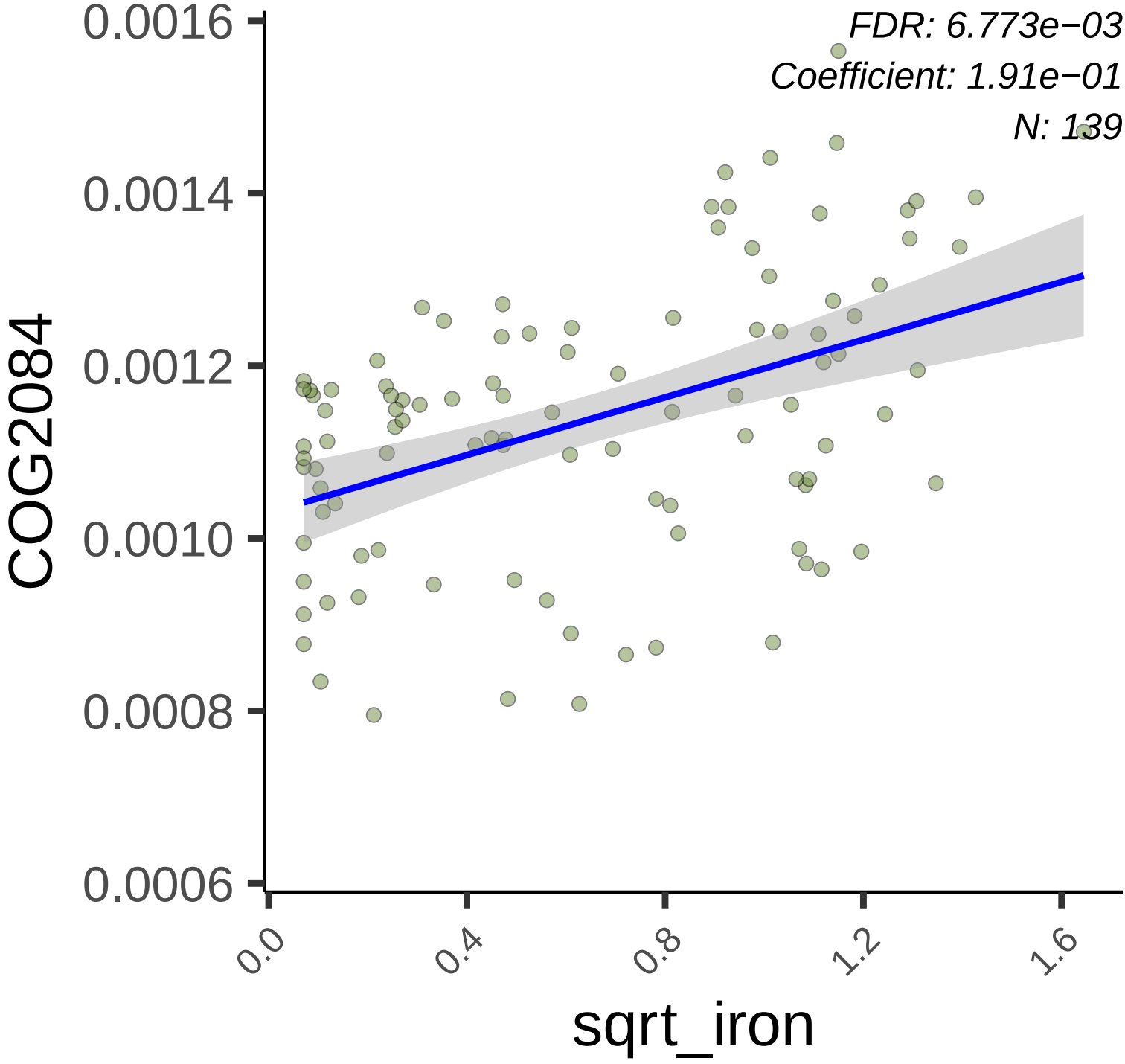
0.8
1.2
1.6
sqrt_iron


FDR: 6.773e−03
Coefficient: 1.91e−01
N: 139
COG2084
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0.0012
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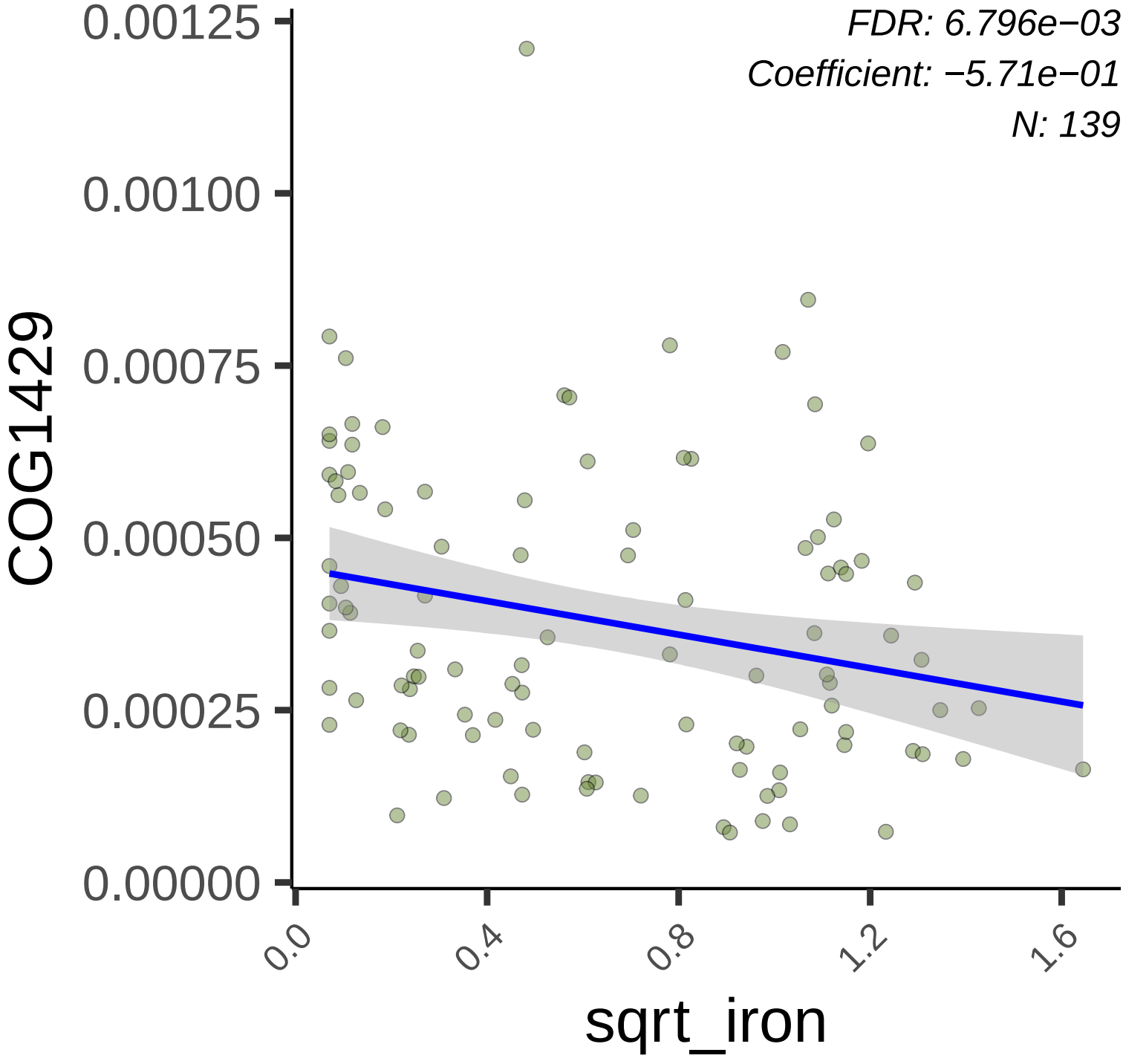
0.8
1.2
1.6
sqrt_iron


FDR: 6.796e−03
Coefficient: −5.71e−01
N: 139
COG1429
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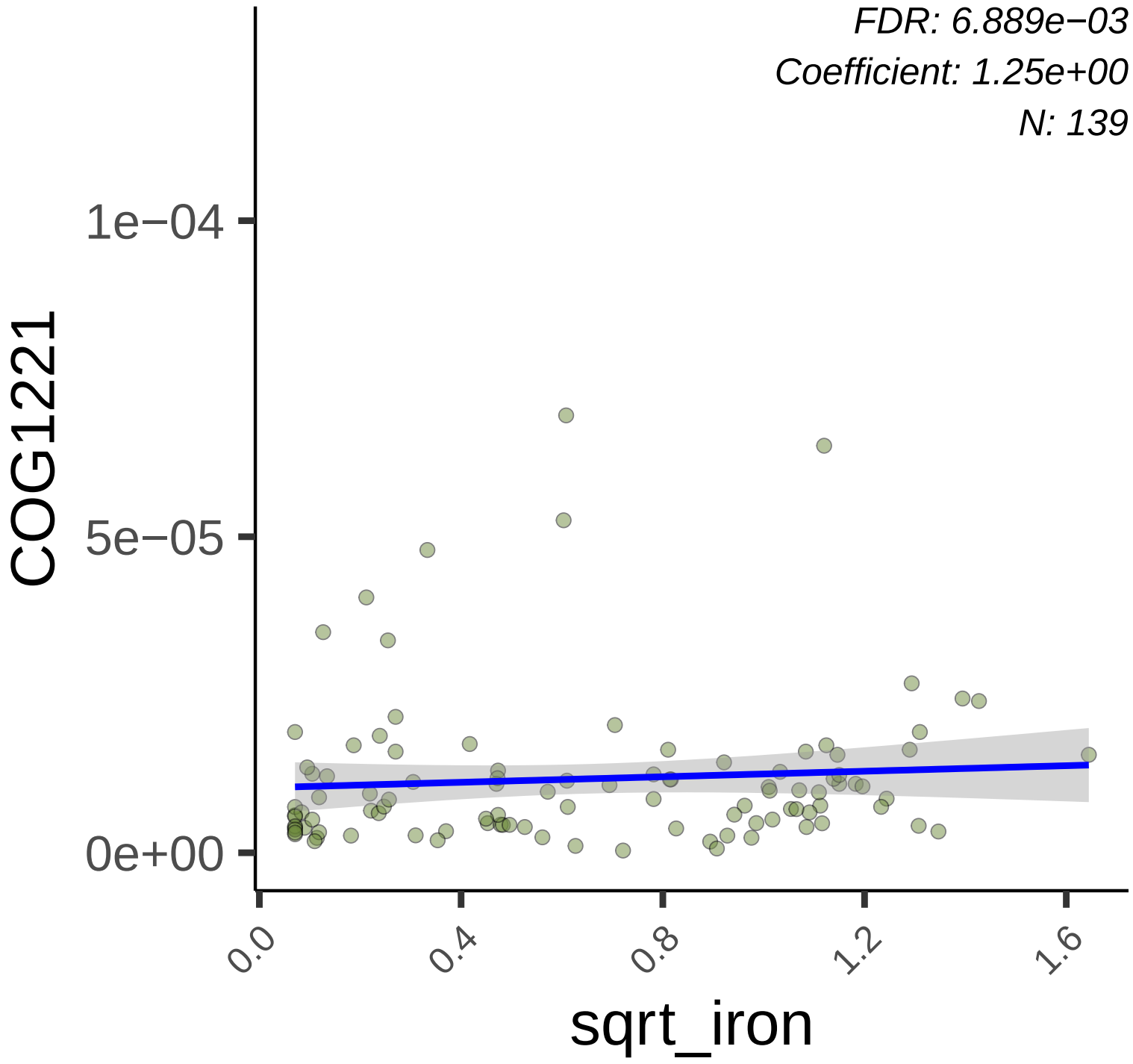
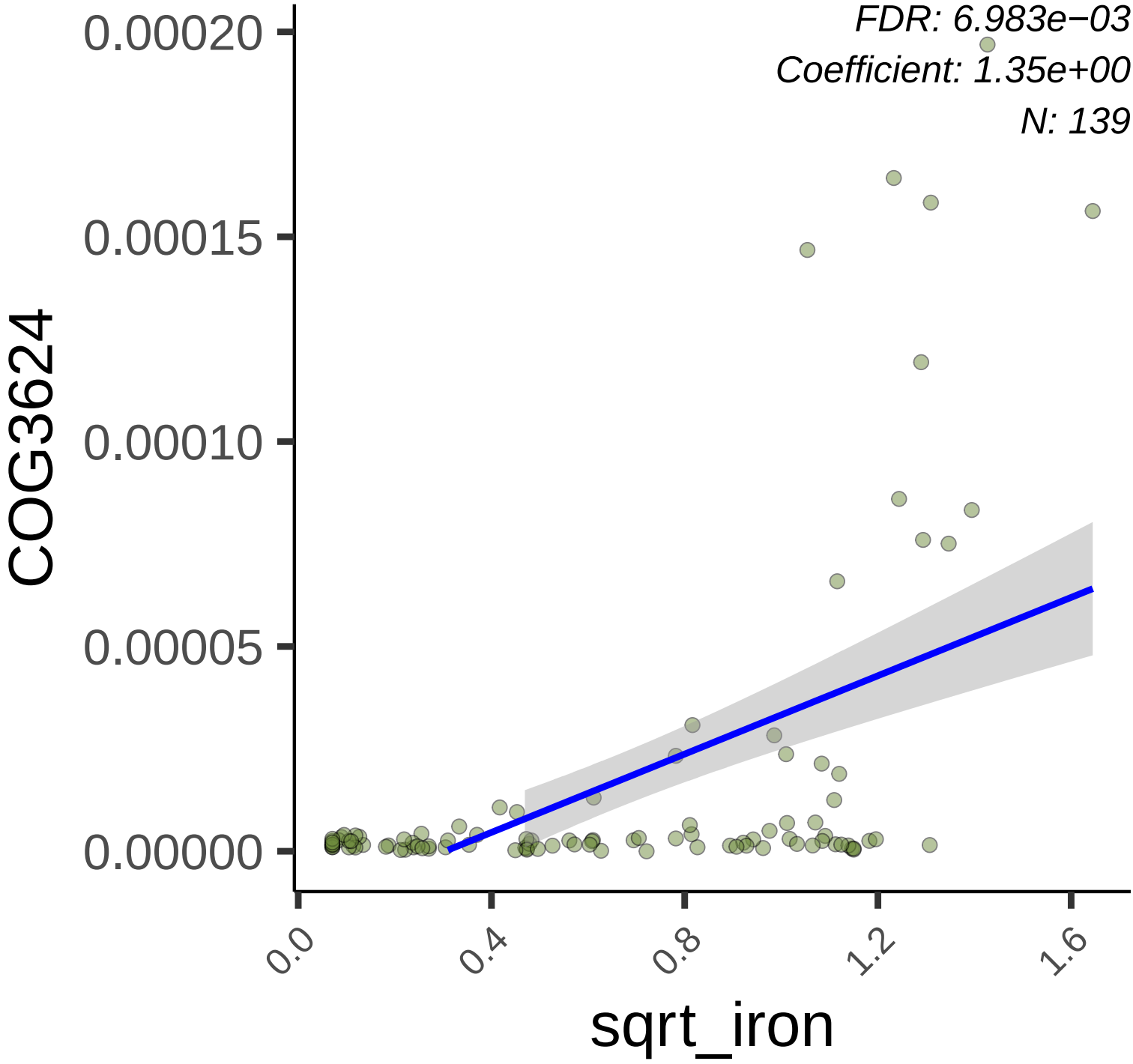
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.889e−03
Coefficient: 1.25e+00
N: 139
COG1221
1e−04
5e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.983e−03
Coefficient: 1.35e+00
N: 139
COG3624
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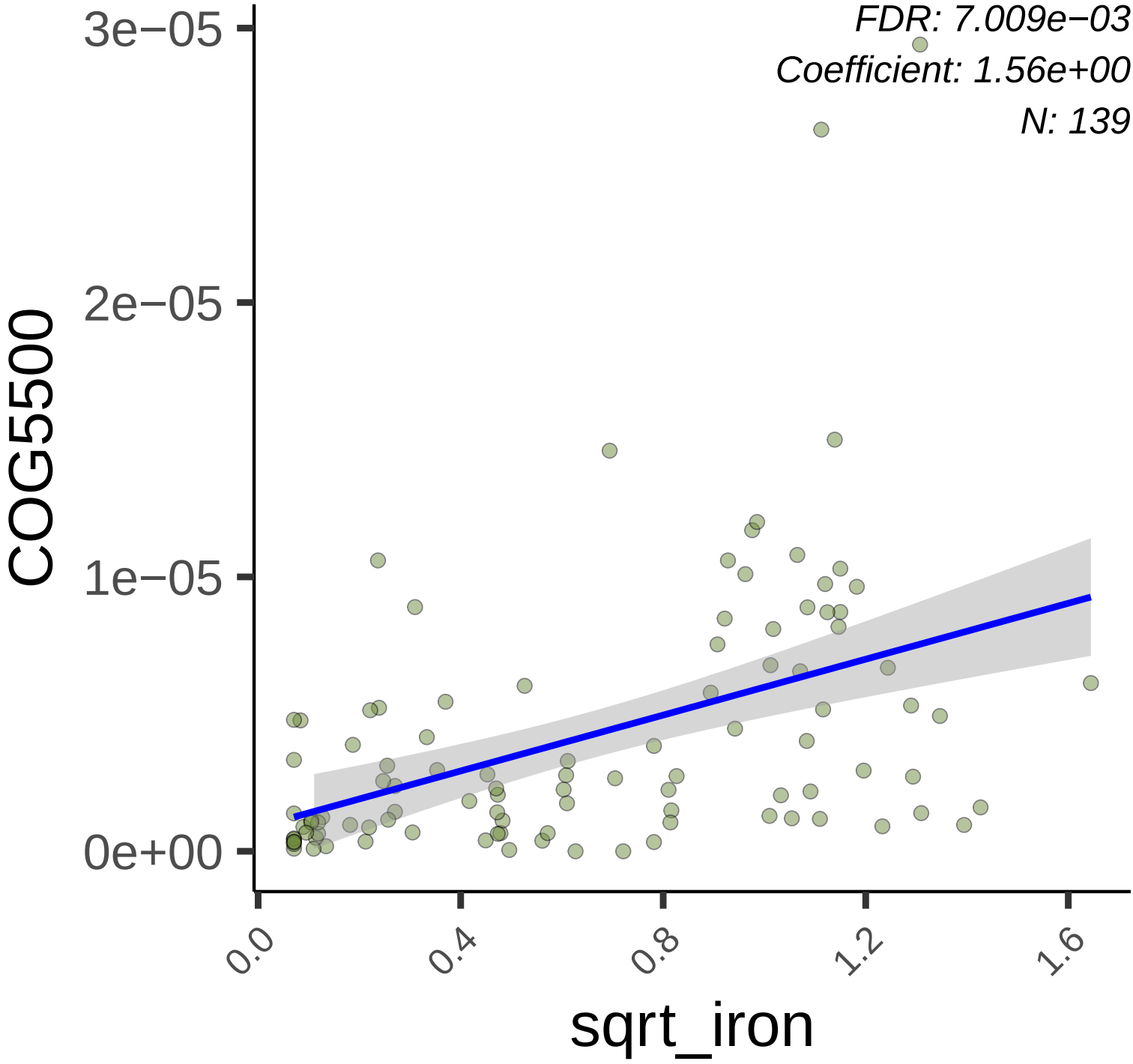
1.6
sqrt_iron


FDR: 7.009e−03
Coefficient: 1.56e+00
N: 139
COG5500
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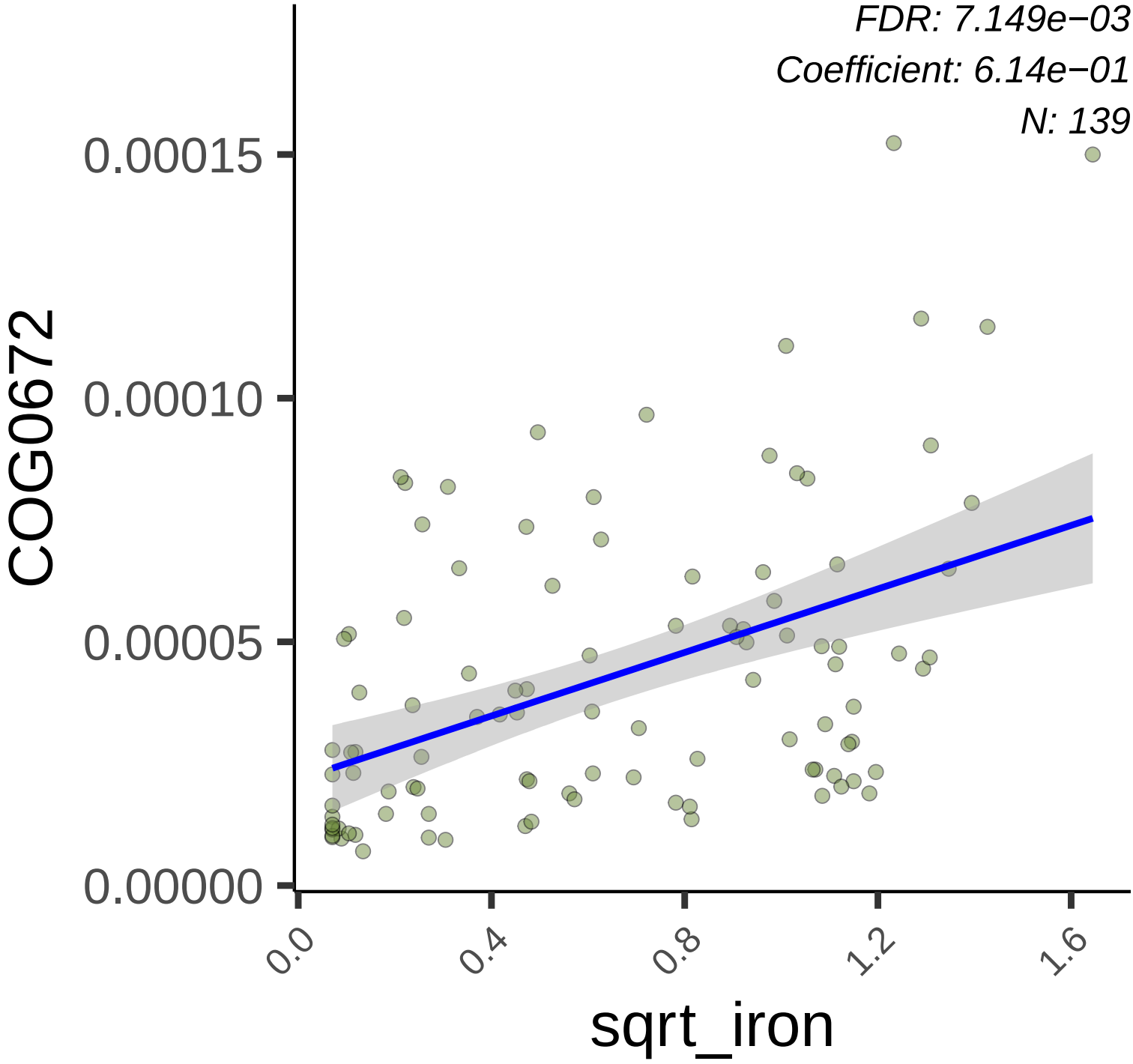
1.6
sqrt_iron


FDR: 7.149e−03
Coefficient: 6.14e−01
N: 139
COG0672
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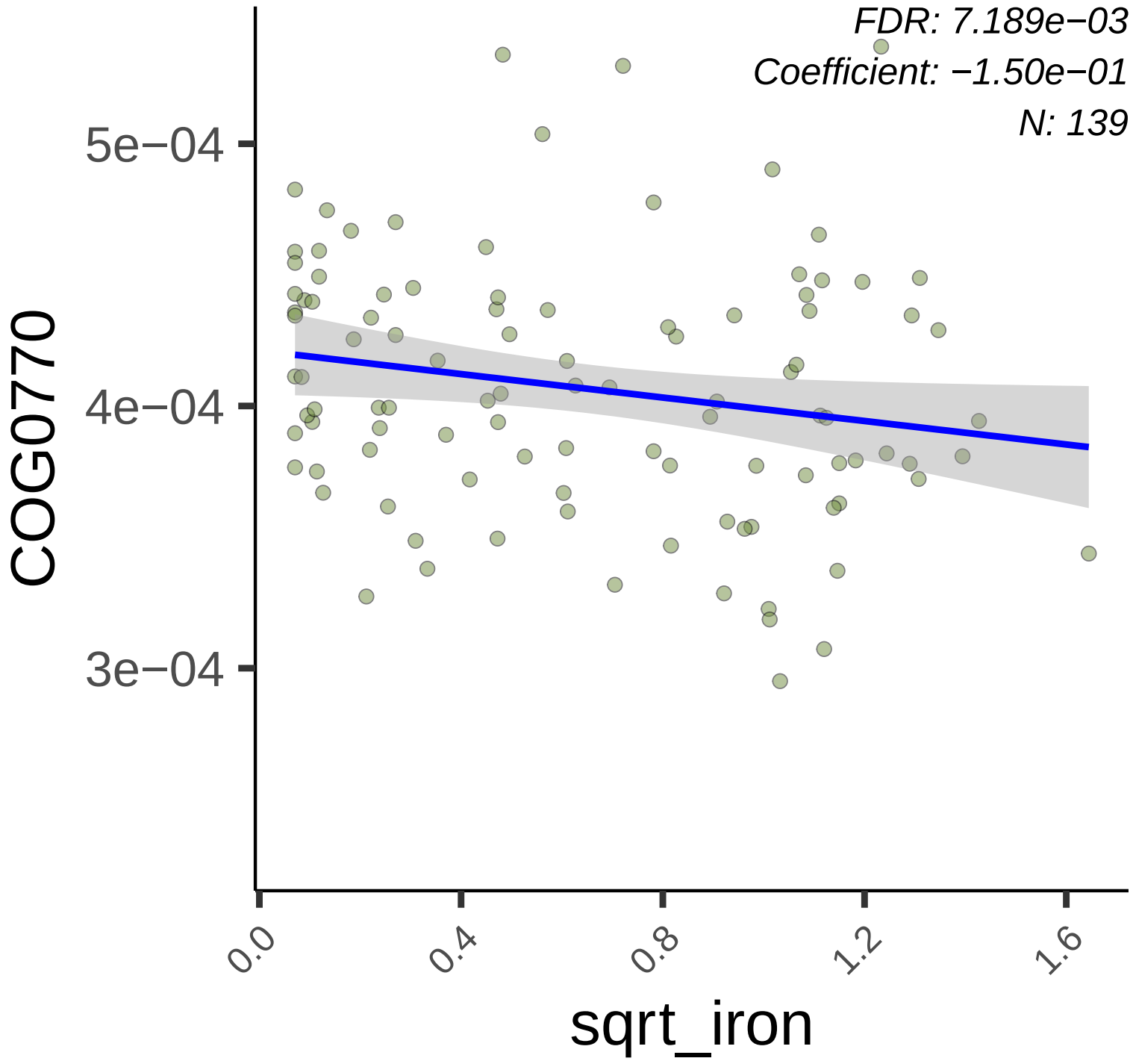
1.6
sqrt_iron


FDR: 7.189e−03
Coefficient: −1.50e−01
N: 139
5e−04
4e−04
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COG0770
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0.4
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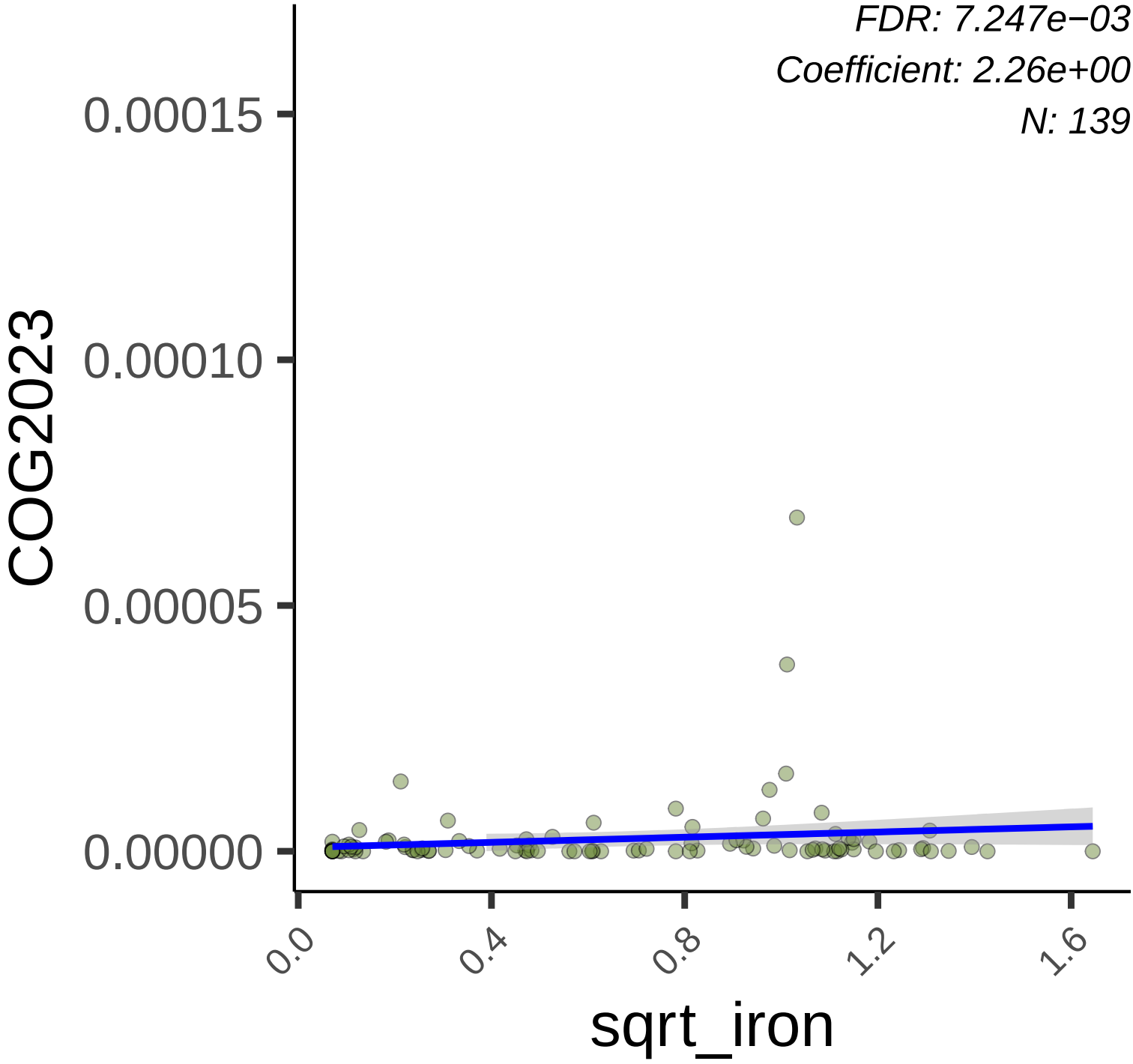
1.2
1.6
sqrt_iron


FDR: 7.247e−03
Coefficient: 2.26e+00
N: 139
COG2023
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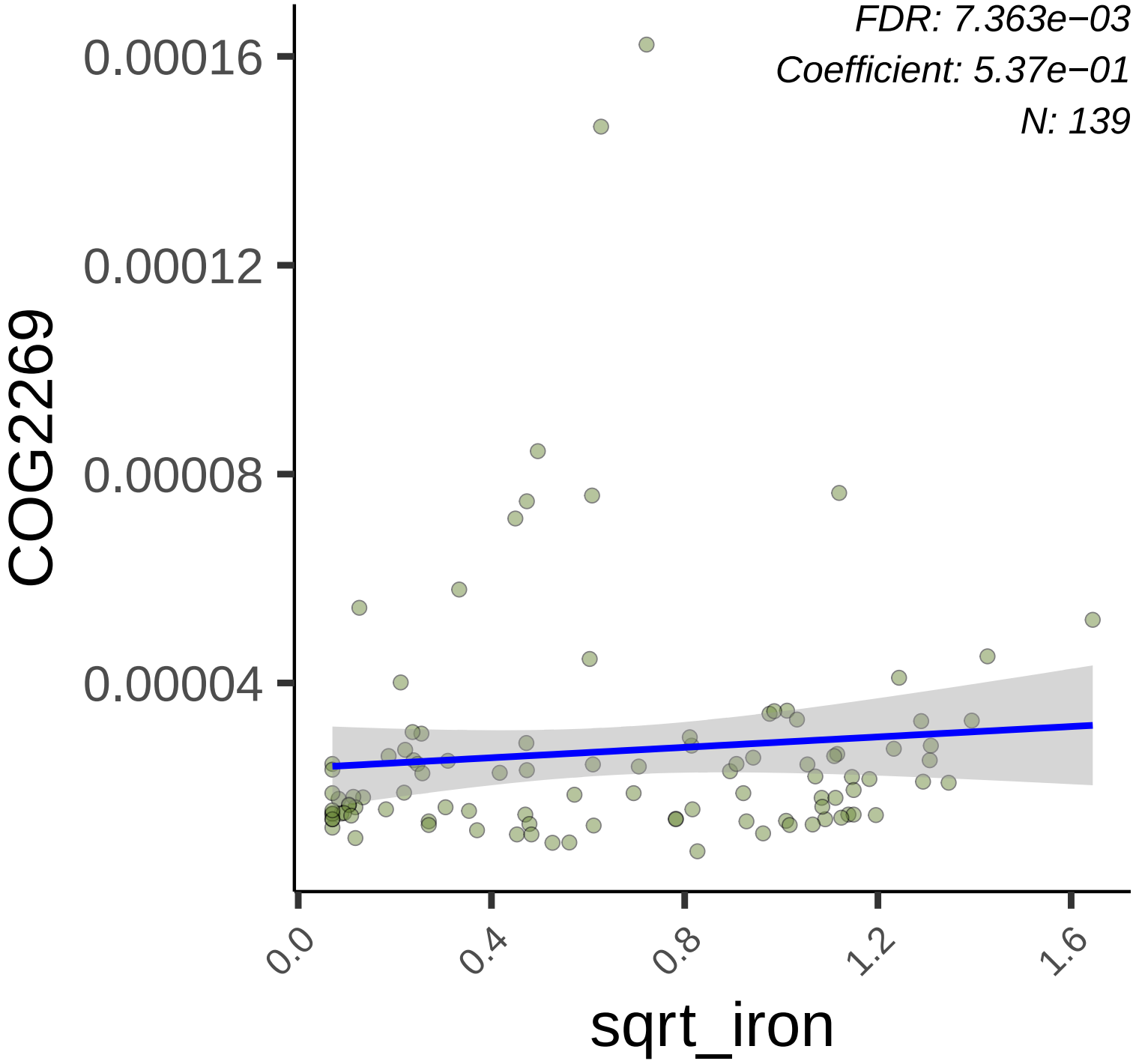
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 7.363e−03
Coefficient: 5.37e−01
N: 139
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0.00012
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0.00004
COG2269
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0.4
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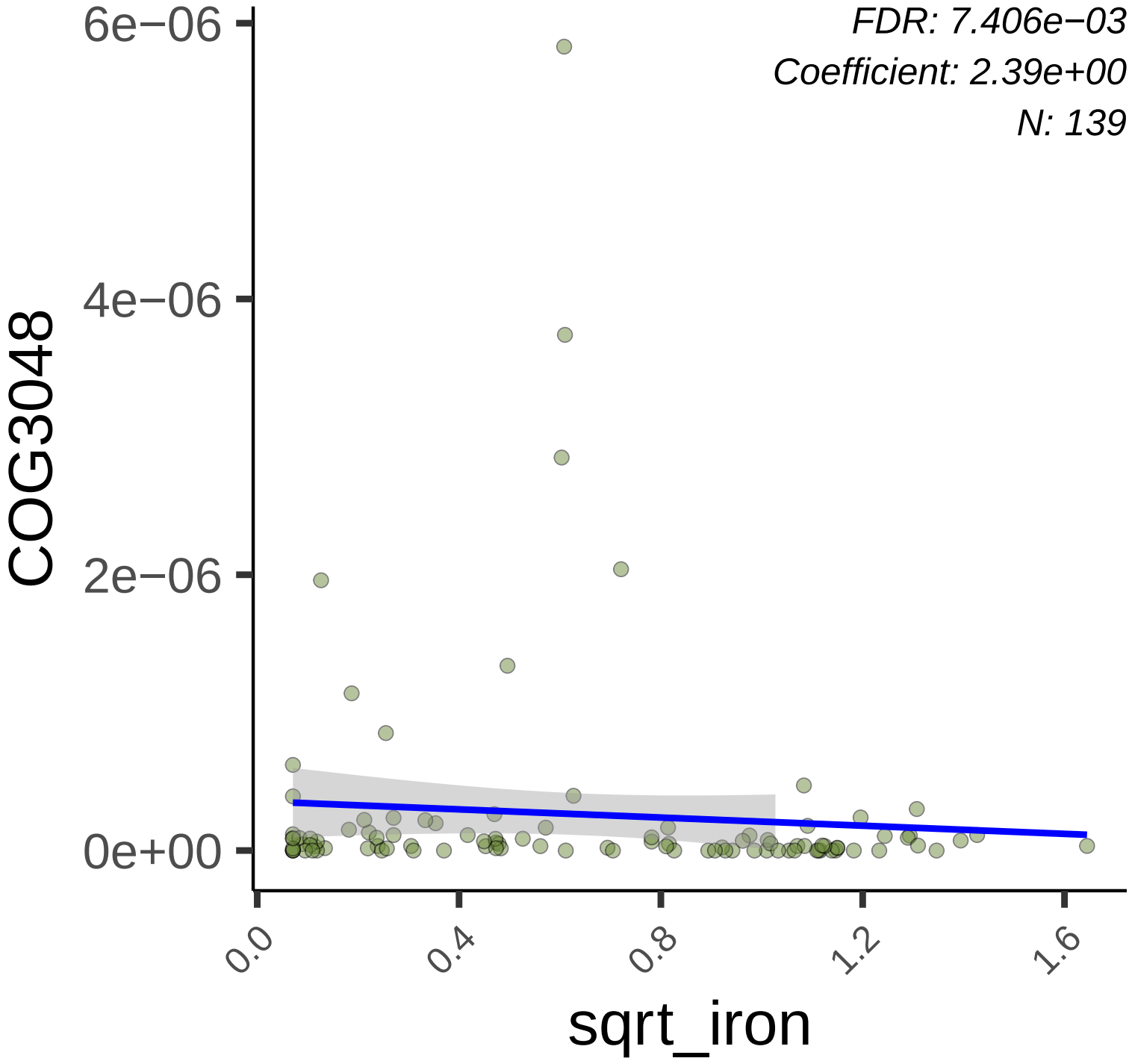
1.2
1.6
sqrt_iron


FDR: 7.406e−03
Coefficient: 2.39e+00
N: 139
COG3048
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4e−06
2e−06
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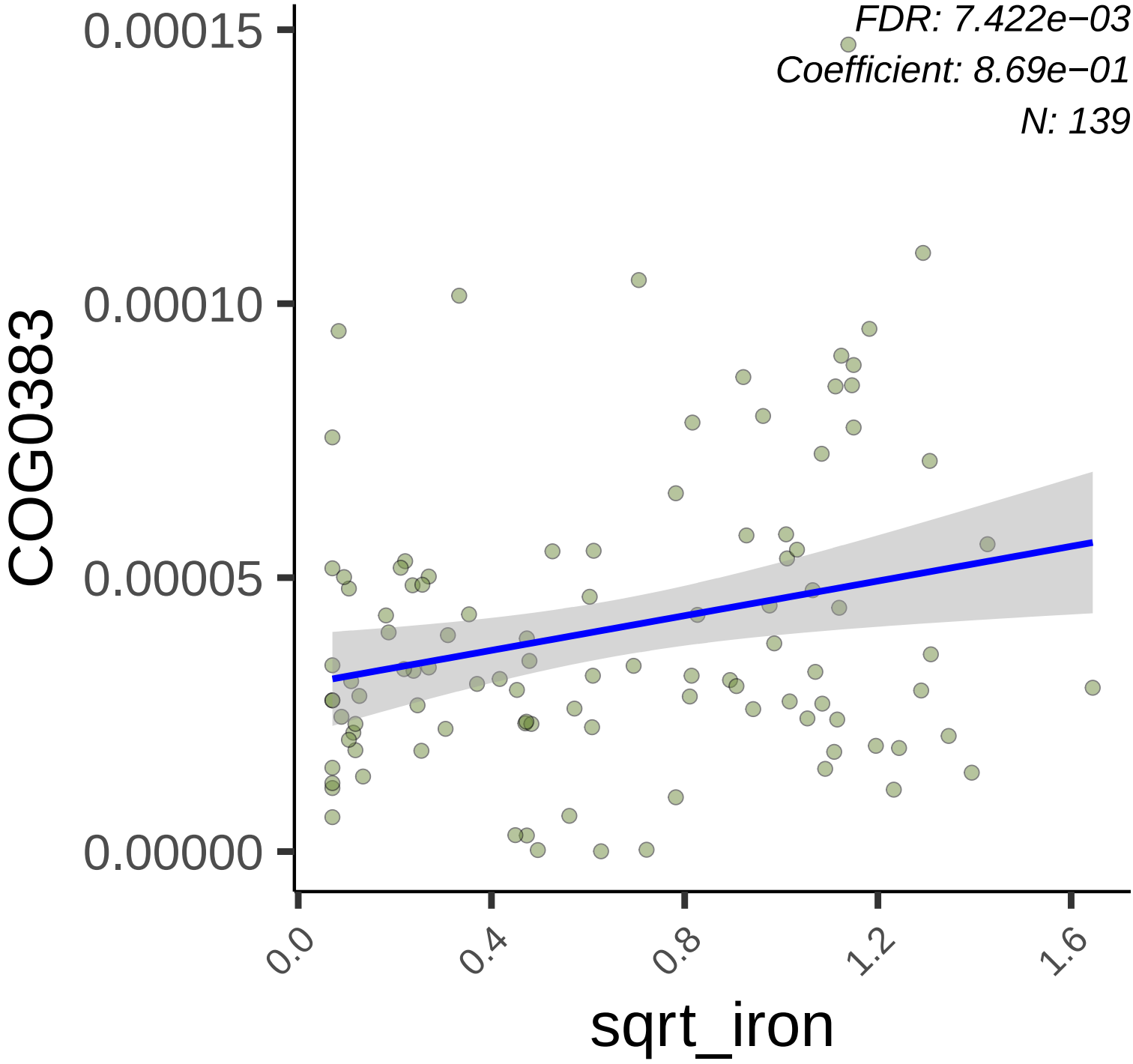
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 7.422e−03
Coefficient: 8.69e−01
N: 139
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COG0383
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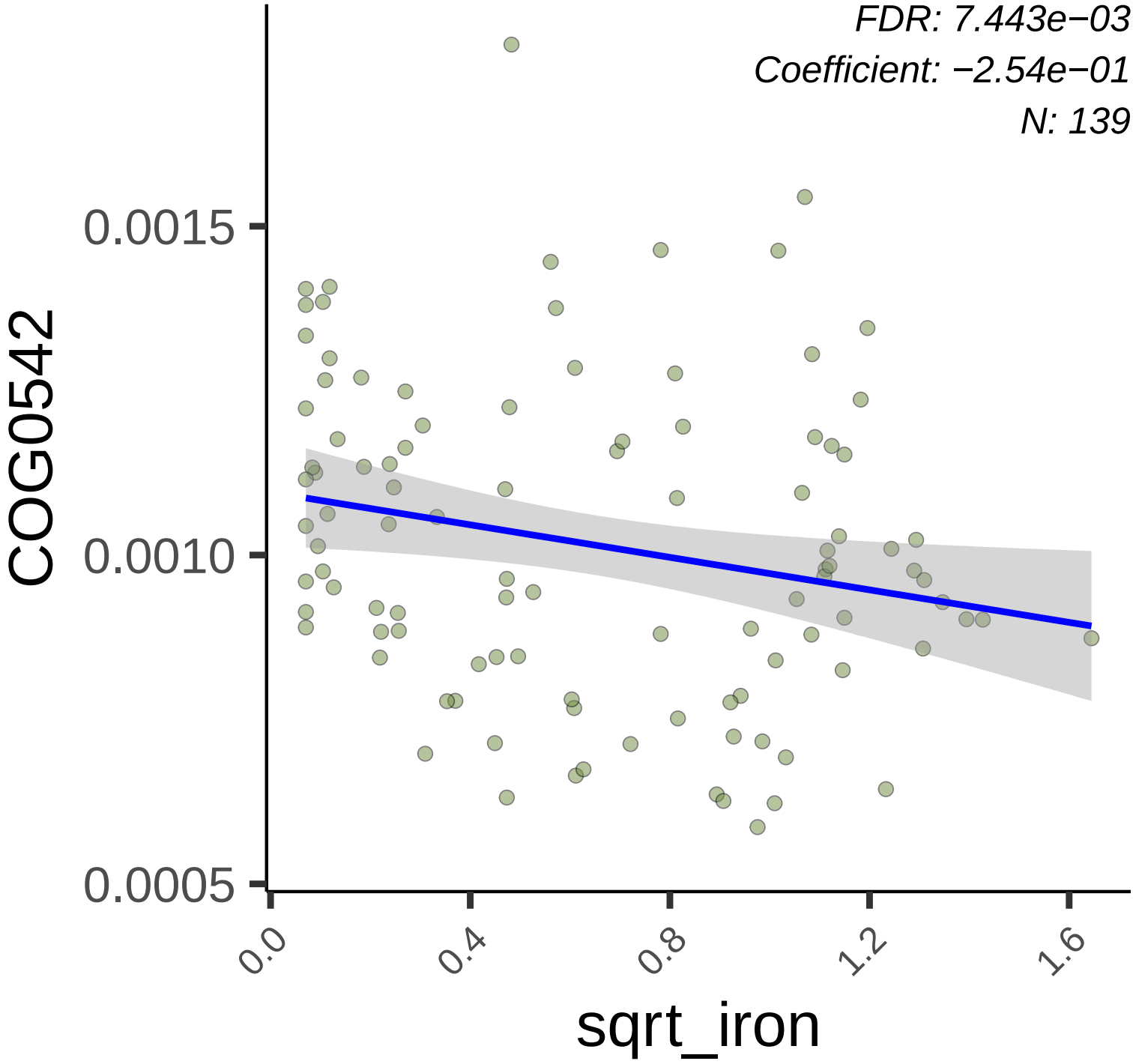
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 7.443e−03
Coefficient: −2.54e−01
N: 139
COG0542
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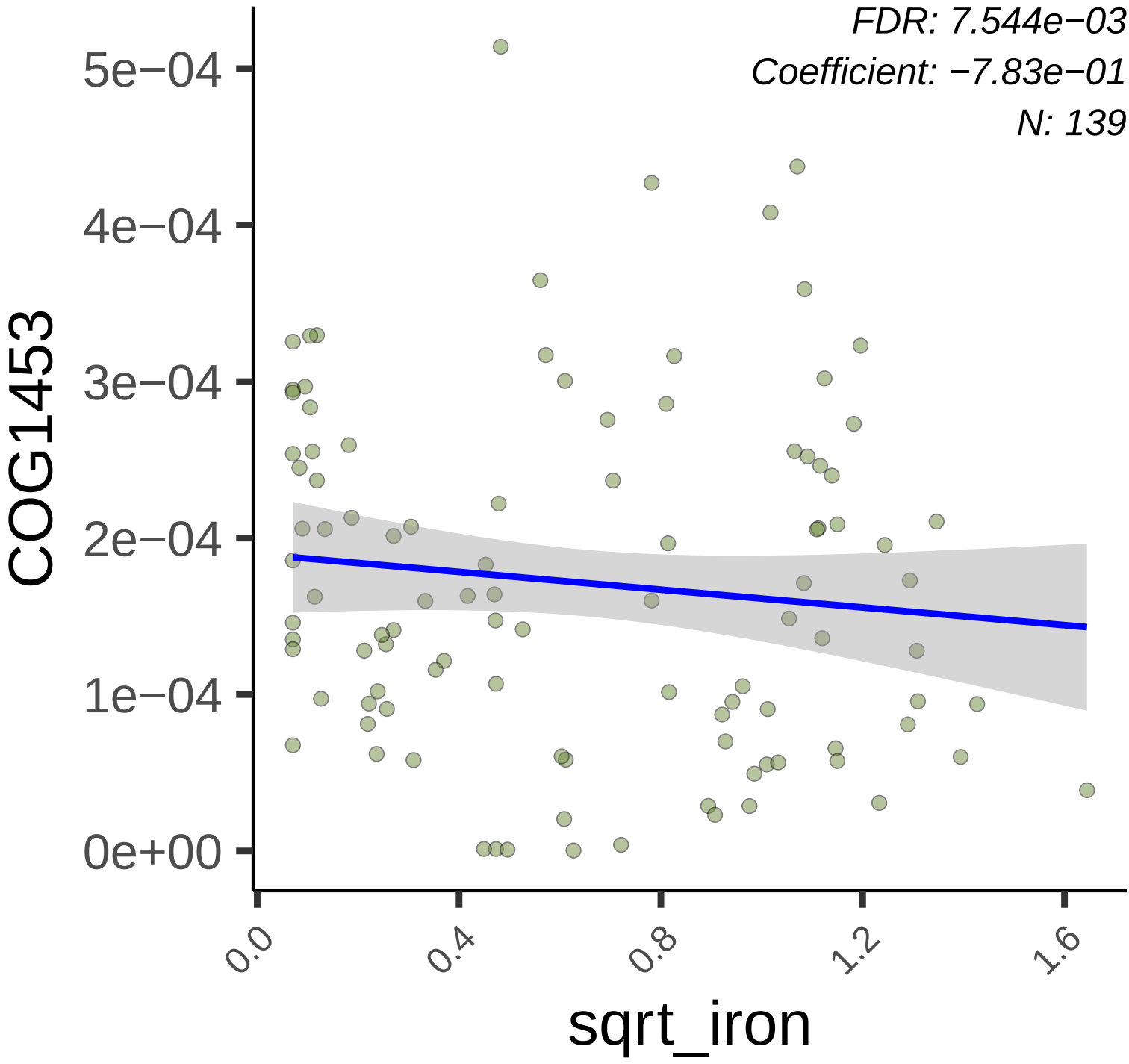
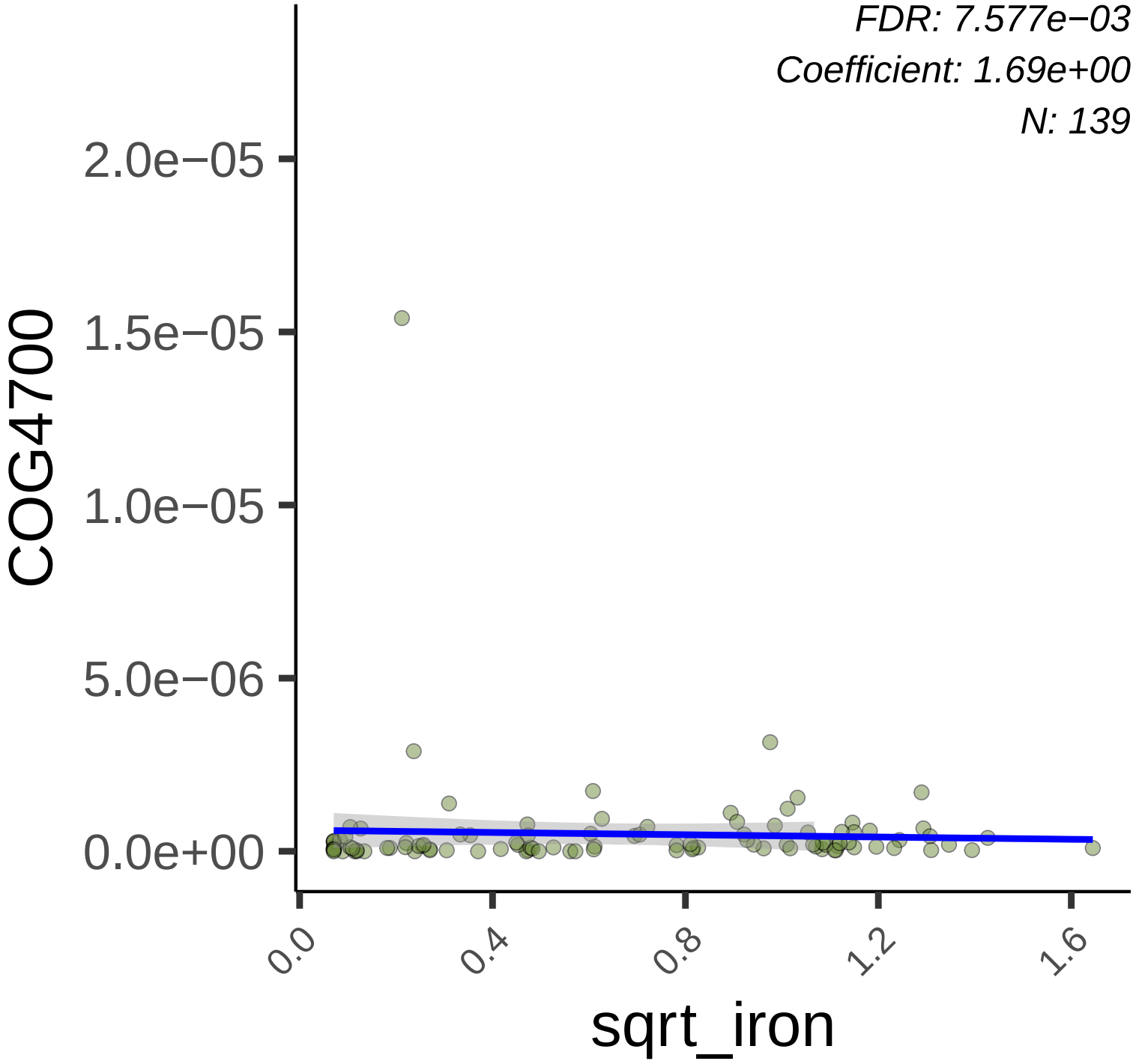
0.0010
0.0005
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 7.544e−03
Coefficient: −7.83e−01
N: 139
COG1453
5e−04
4e−04
3e−04
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 7.577e−03
Coefficient: 1.69e+00
N: 139
COG4700
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
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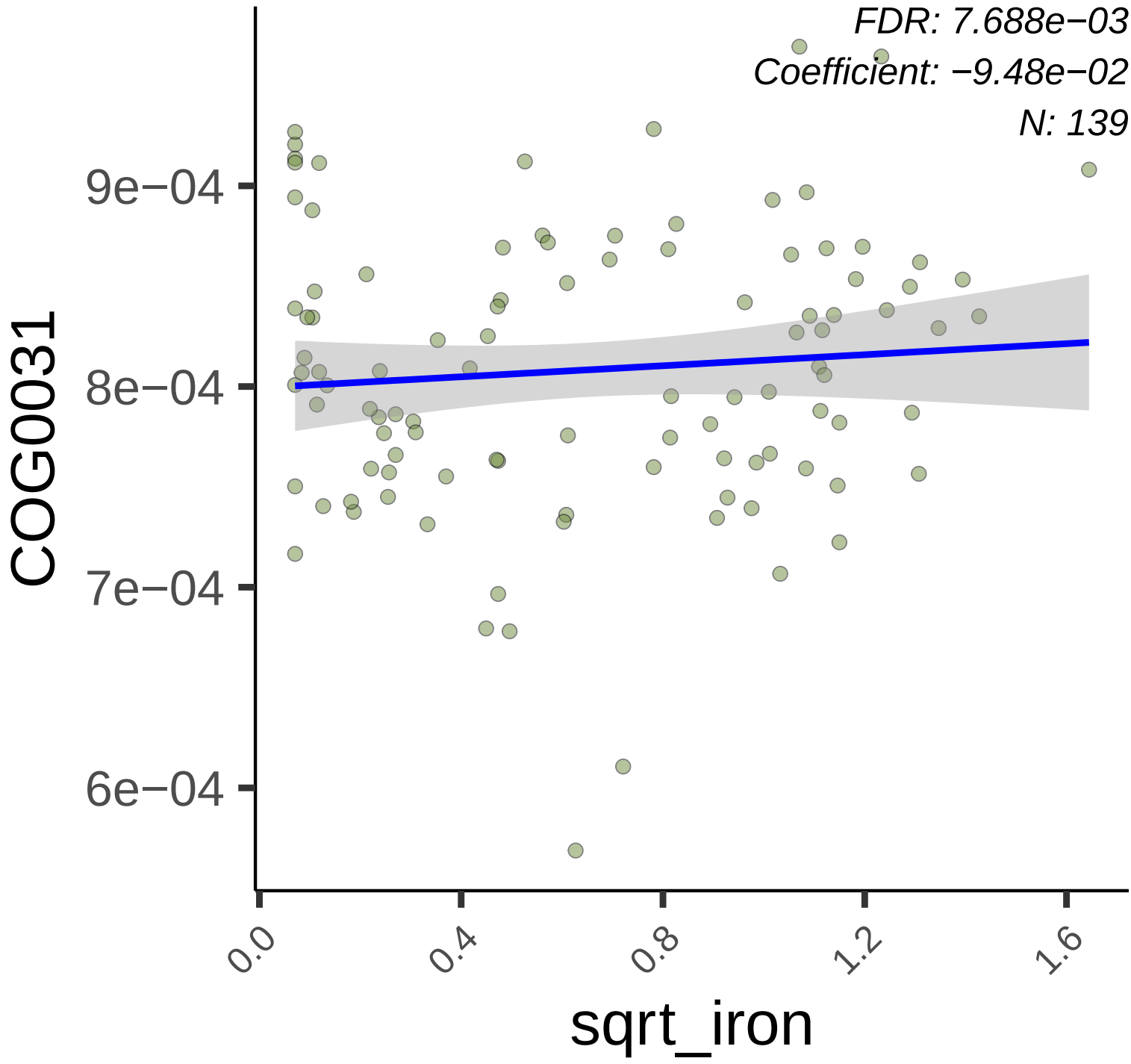
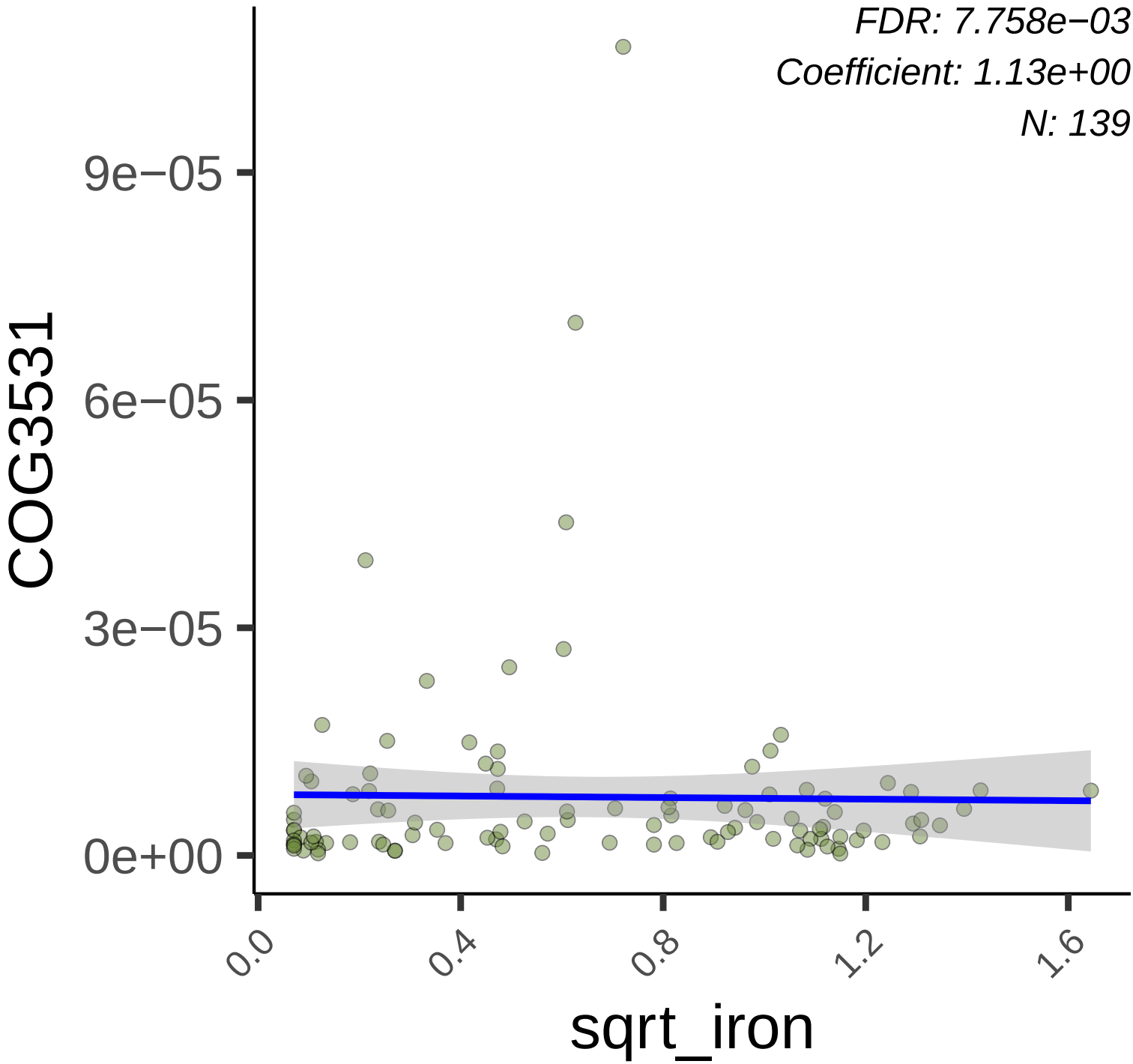
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 7.688e−03
Coefficient: −9.48e−02
N: 139
COG0031
9e−04
8e−04
7e−04
6e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 7.758e−03
Coefficient: 1.13e+00
N: 139
COG3531
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6e−05
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0e+00
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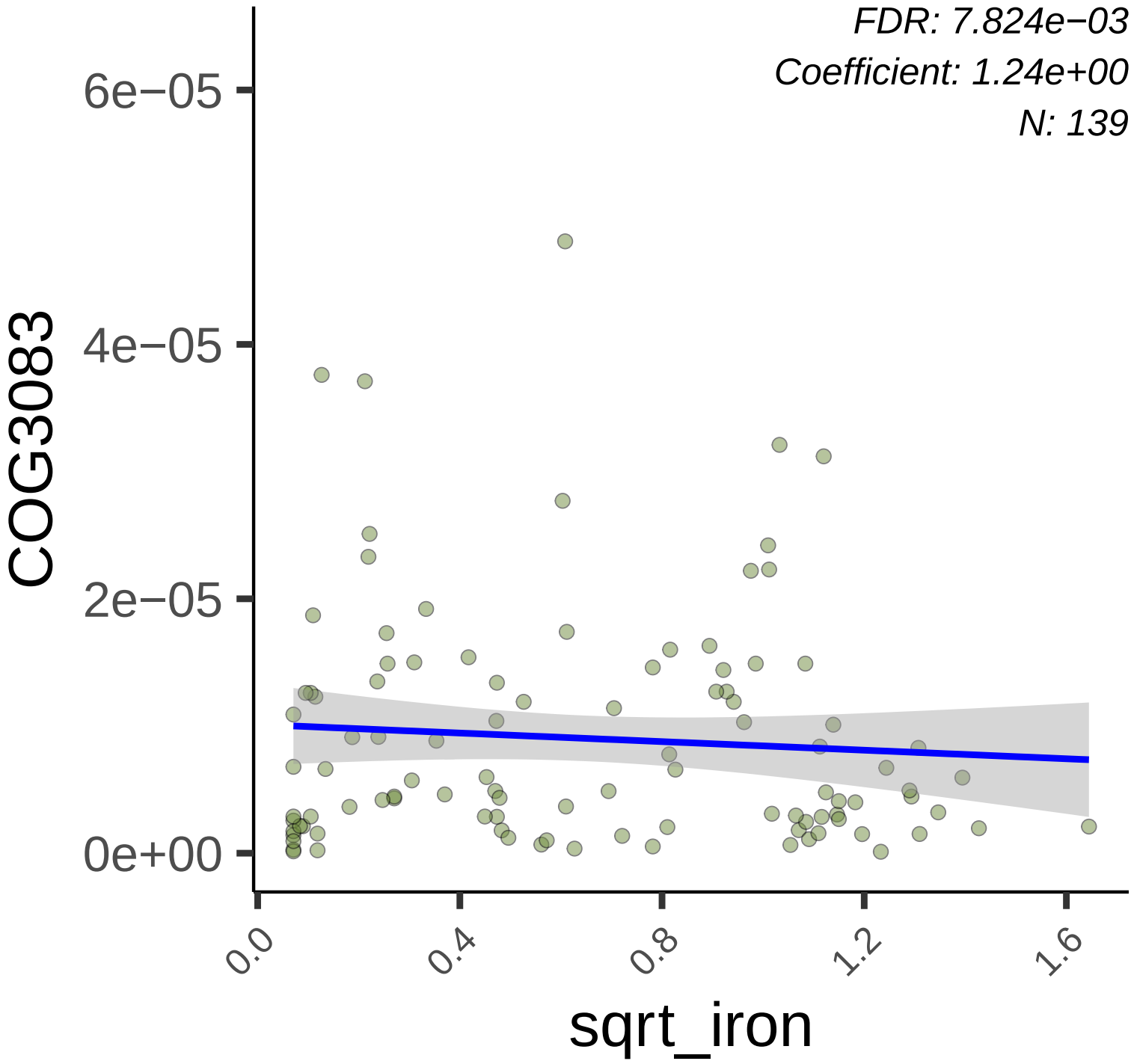
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 7.824e−03
Coefficient: 1.24e+00
N: 139
COG3083
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4e−05
2e−05
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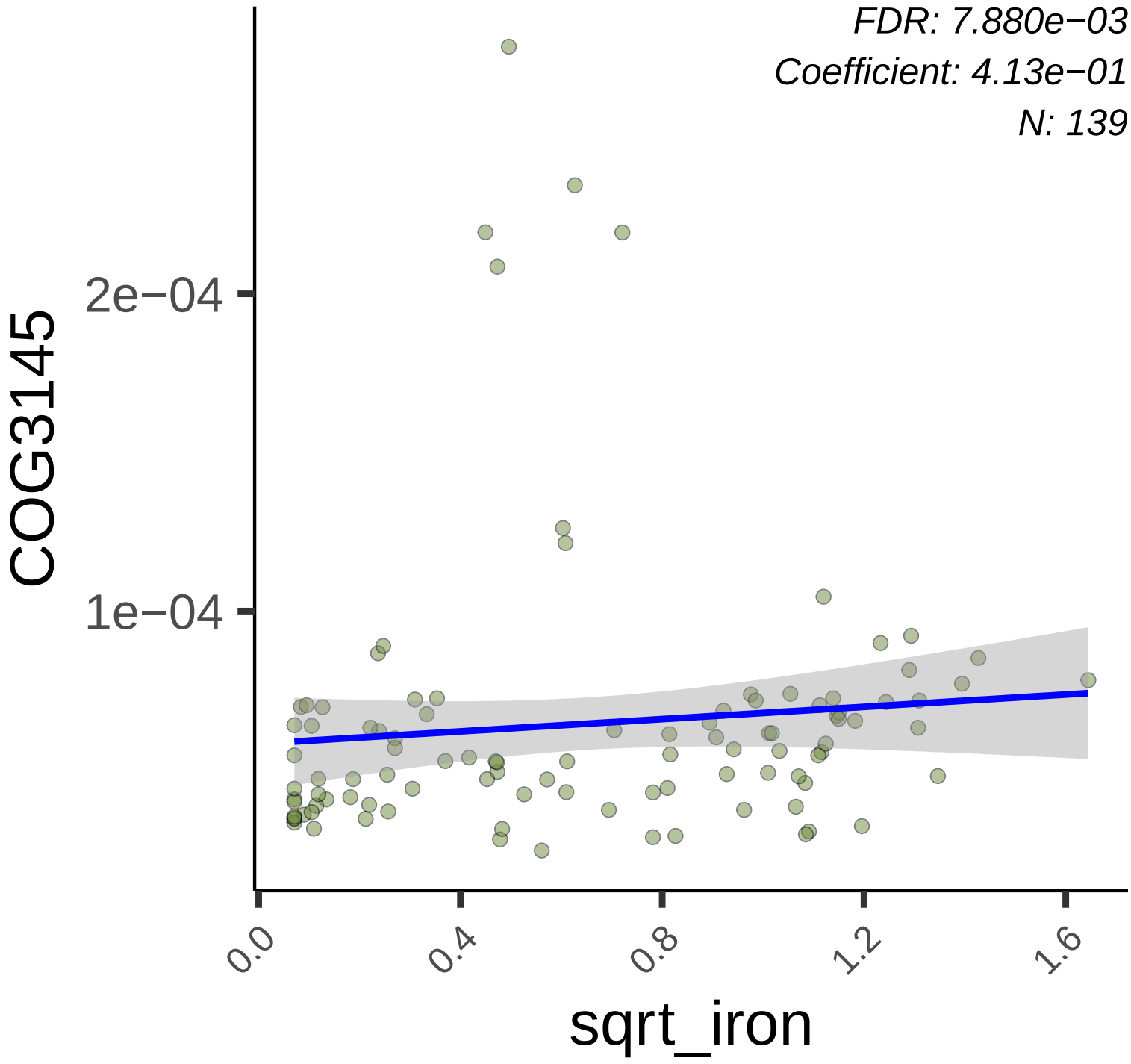
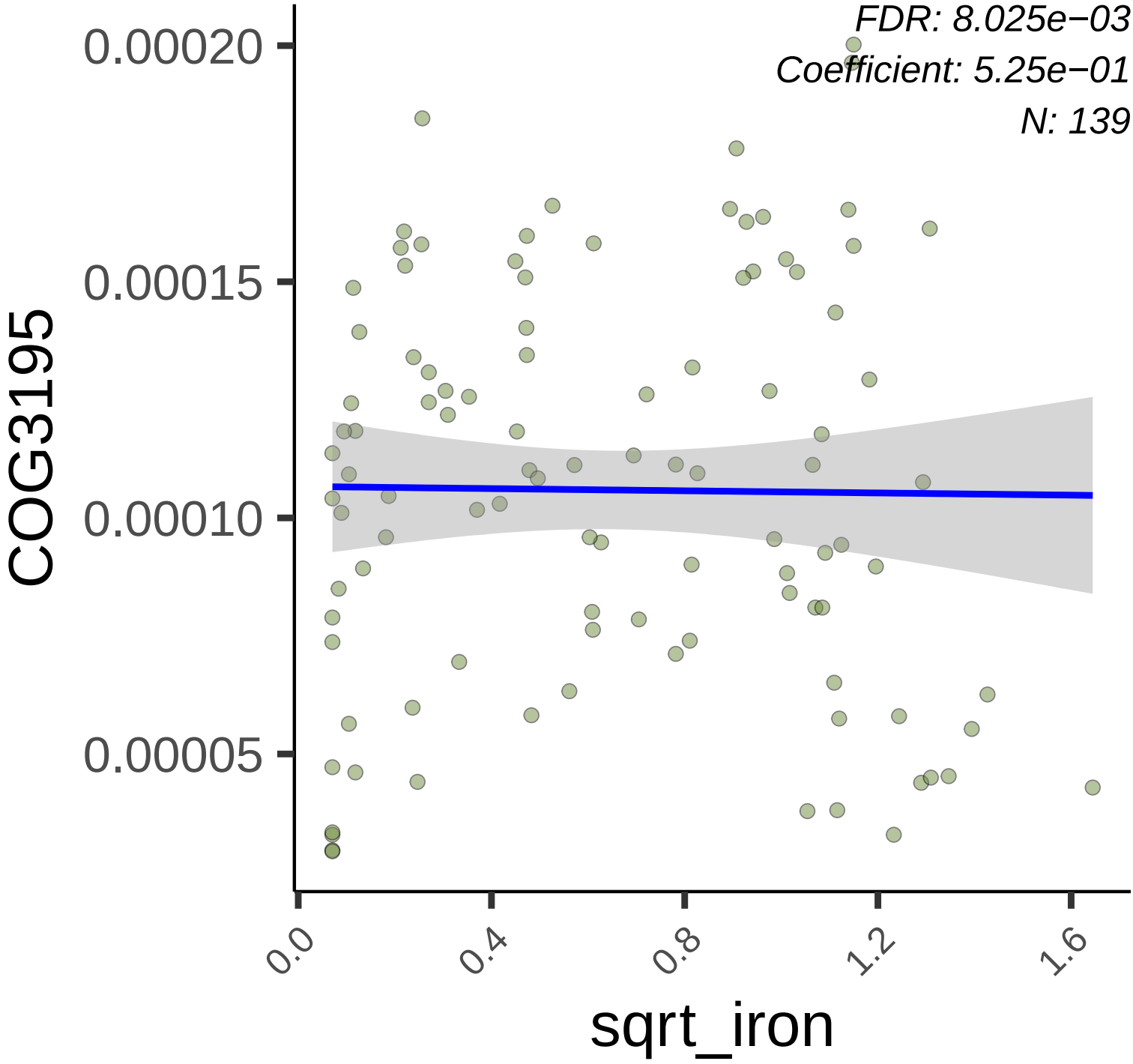
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 7.880e−03
Coefficient: 4.13e−01
N: 139
COG3145
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.025e−03
Coefficient: 5.25e−01
N: 139
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0.00010
0.00005
COG3195
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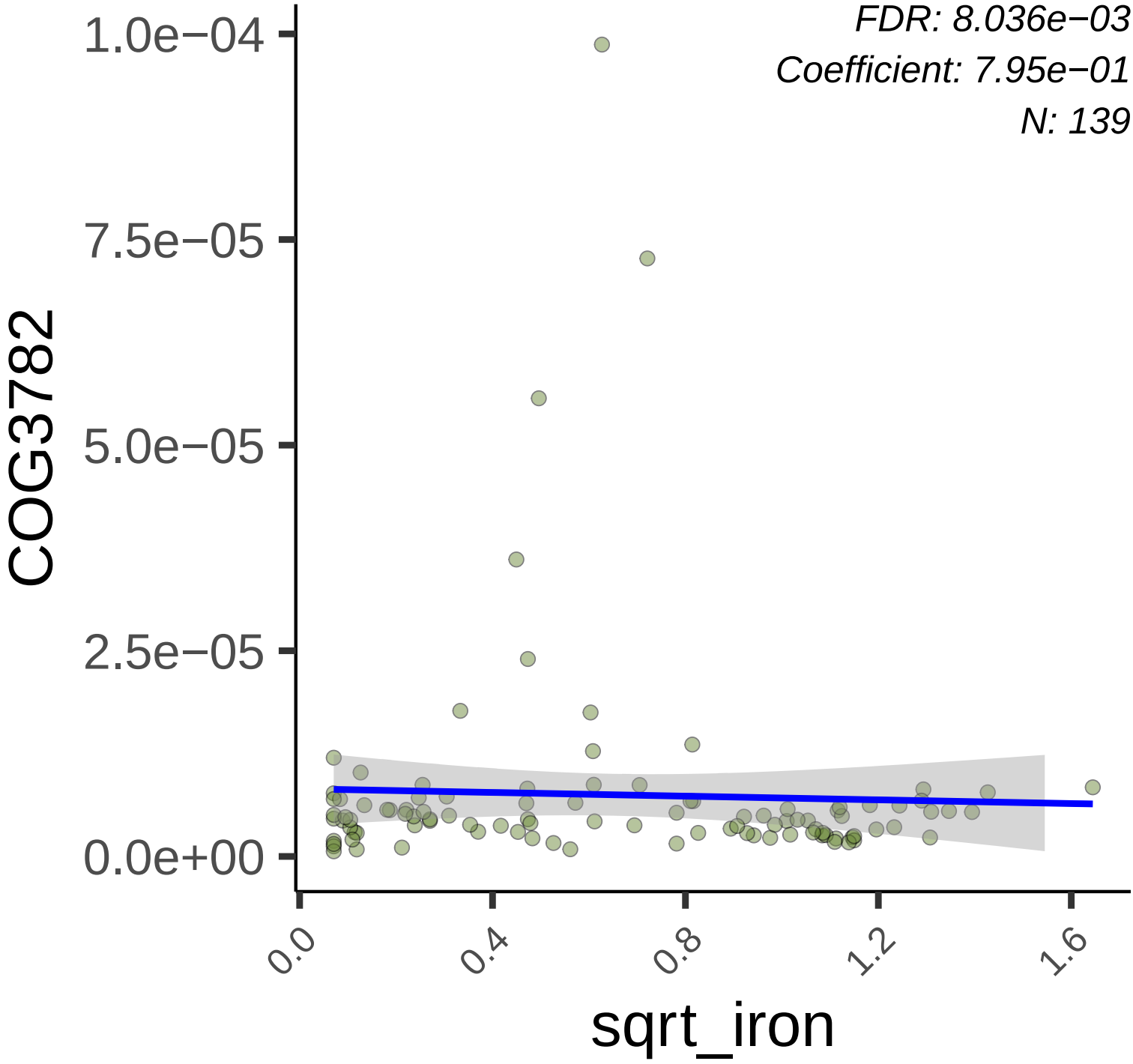
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.036e−03
Coefficient: 7.95e−01
N: 139
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7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG3782
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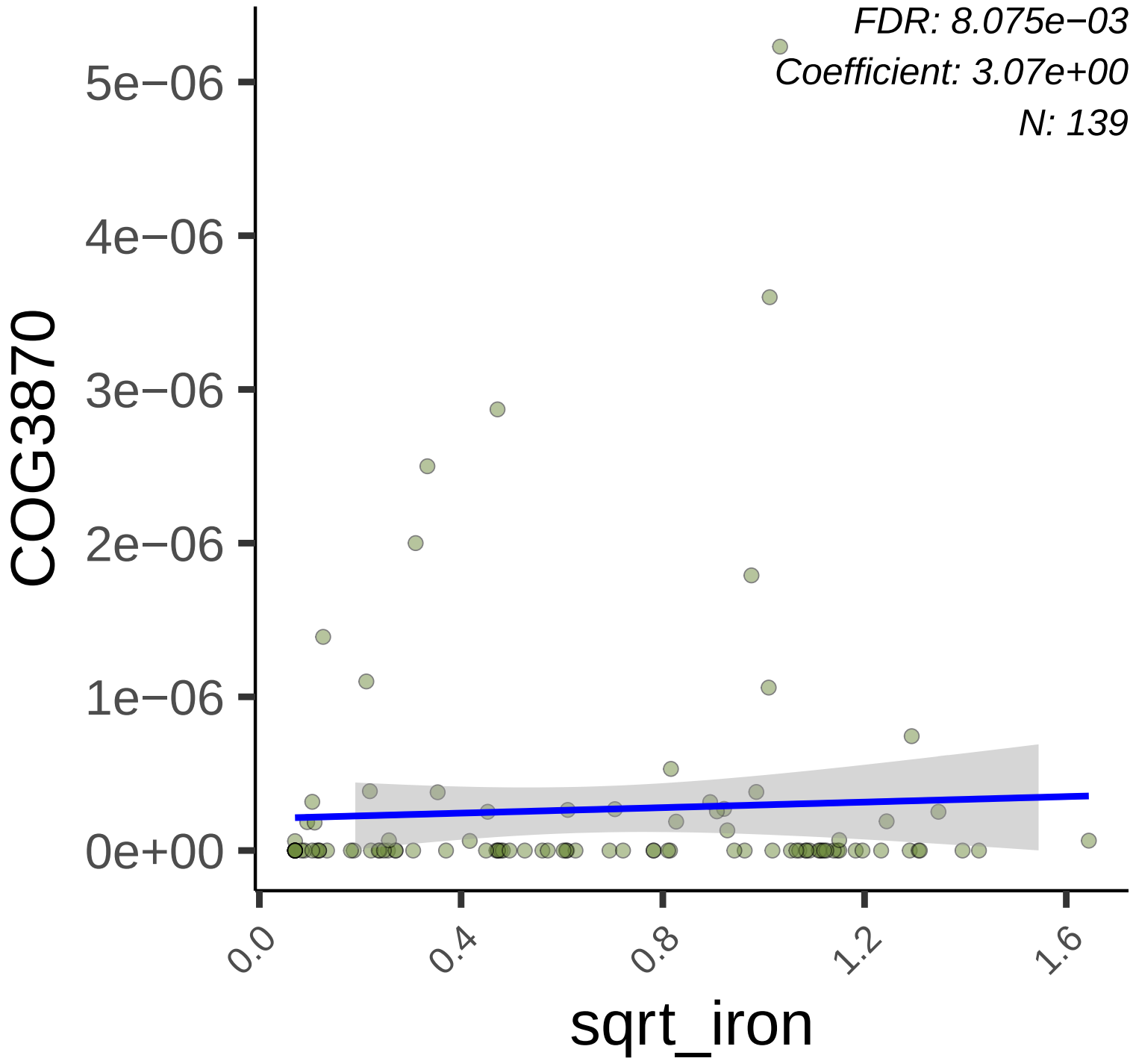
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.075e−03
Coefficient: 3.07e+00
N: 139
COG3870
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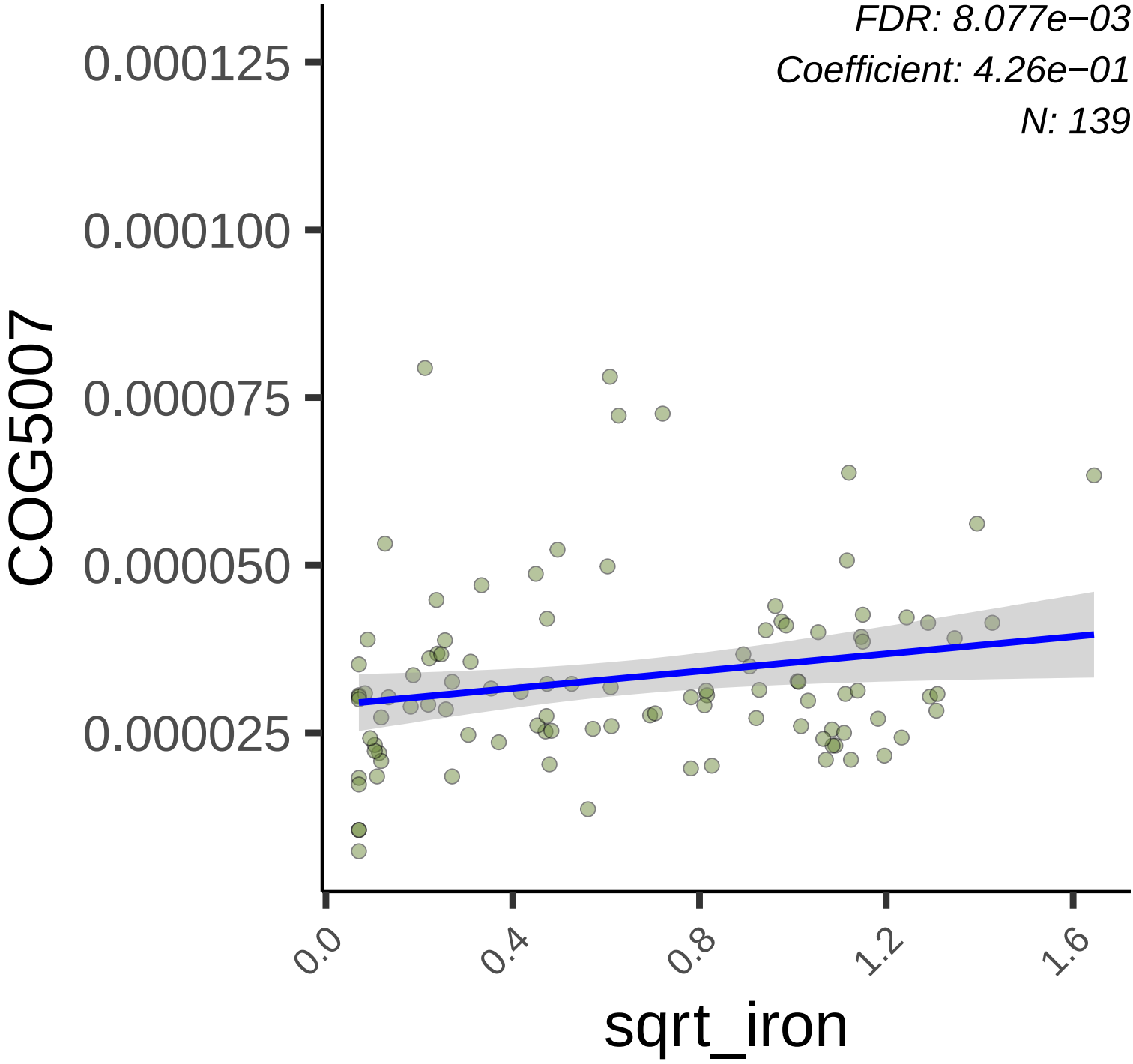
2e−06
1e−06
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.077e−03
Coefficient: 4.26e−01
N: 139
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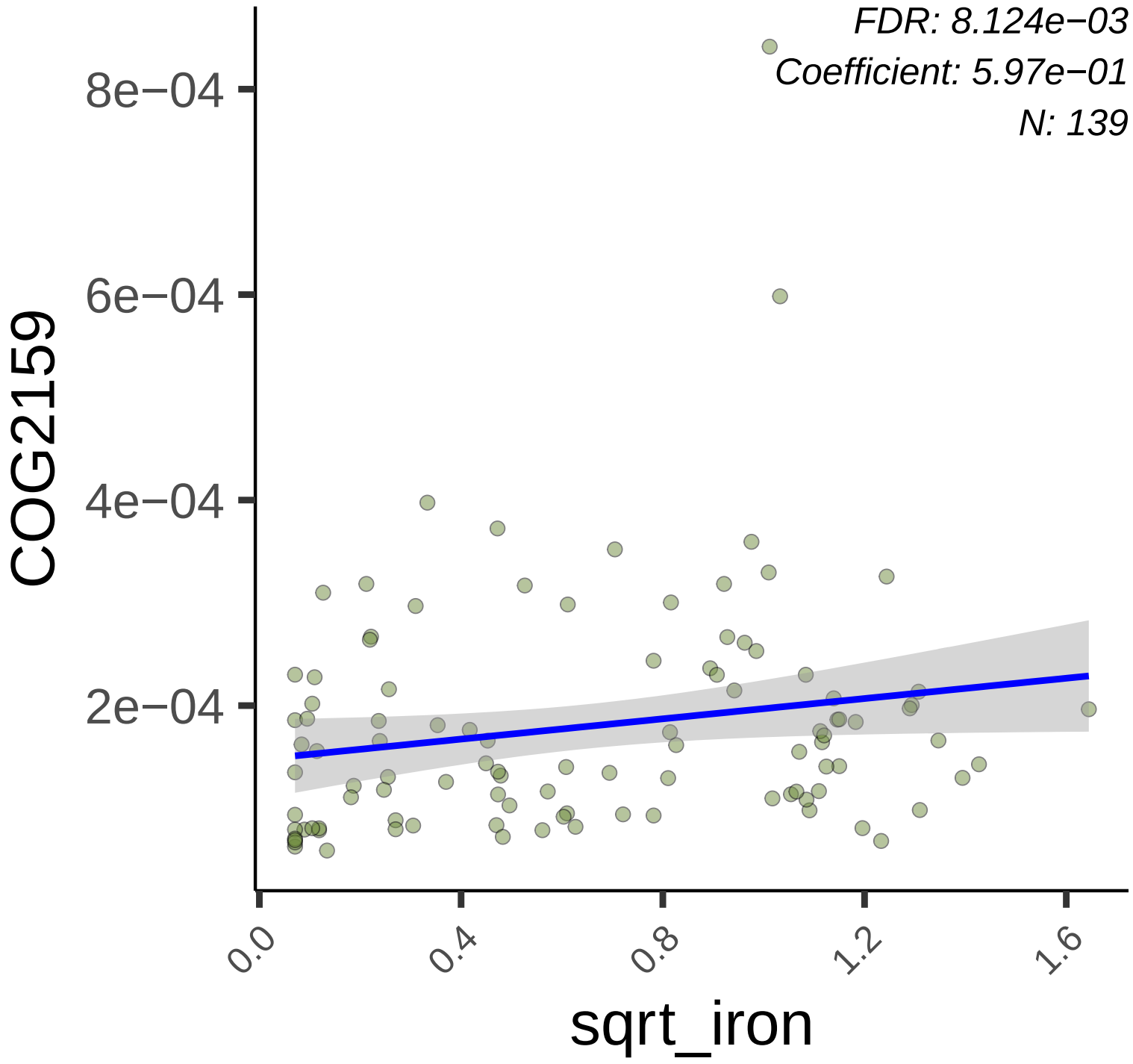
0.000075
0.000050
0.000025
COG5007
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.124e−03
Coefficient: 5.97e−01
N: 139
COG2159
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2e−04
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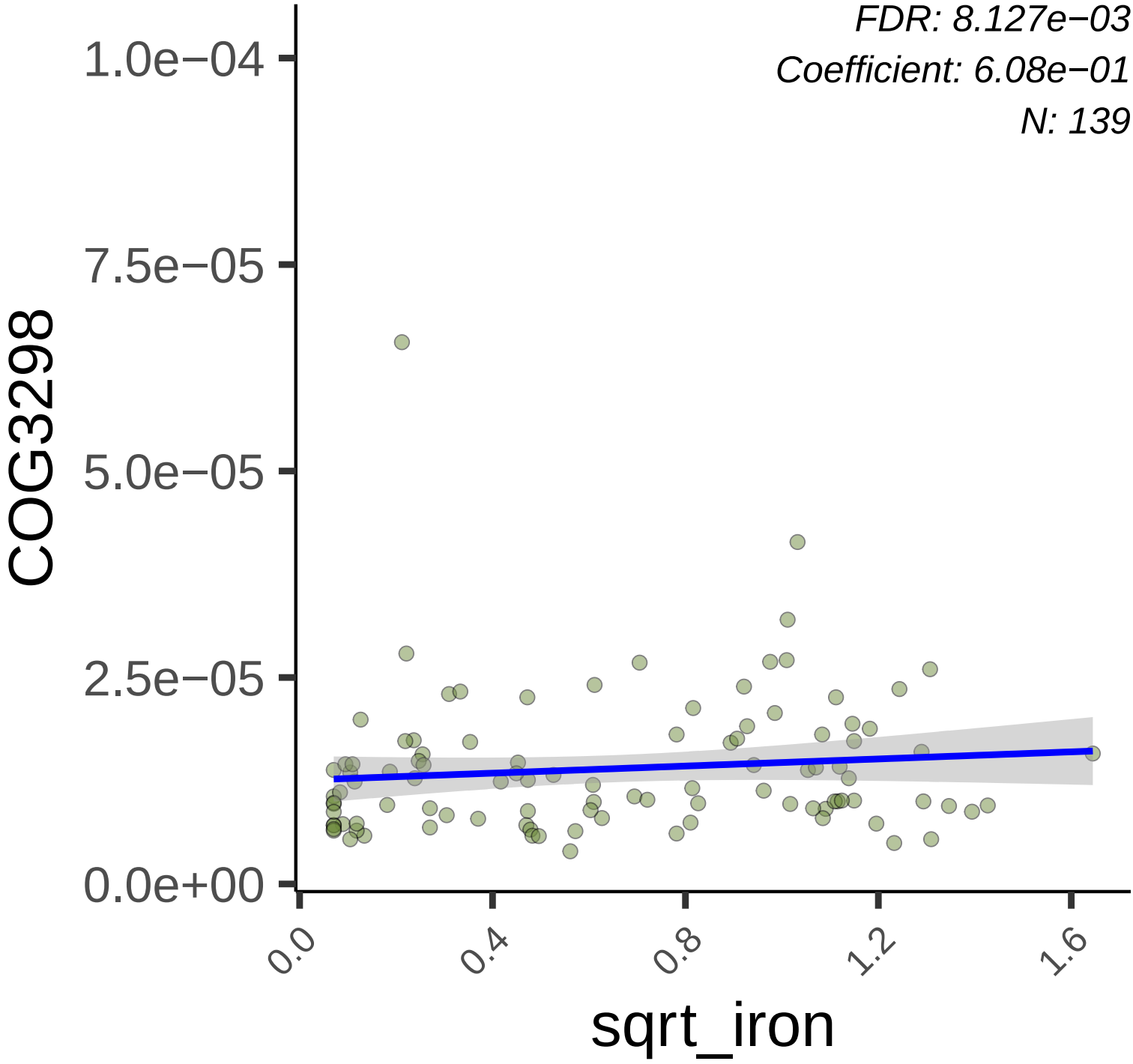
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.127e−03
Coefficient: 6.08e−01
N: 139
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7.5e−05
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2.5e−05
0.0e+00
COG3298
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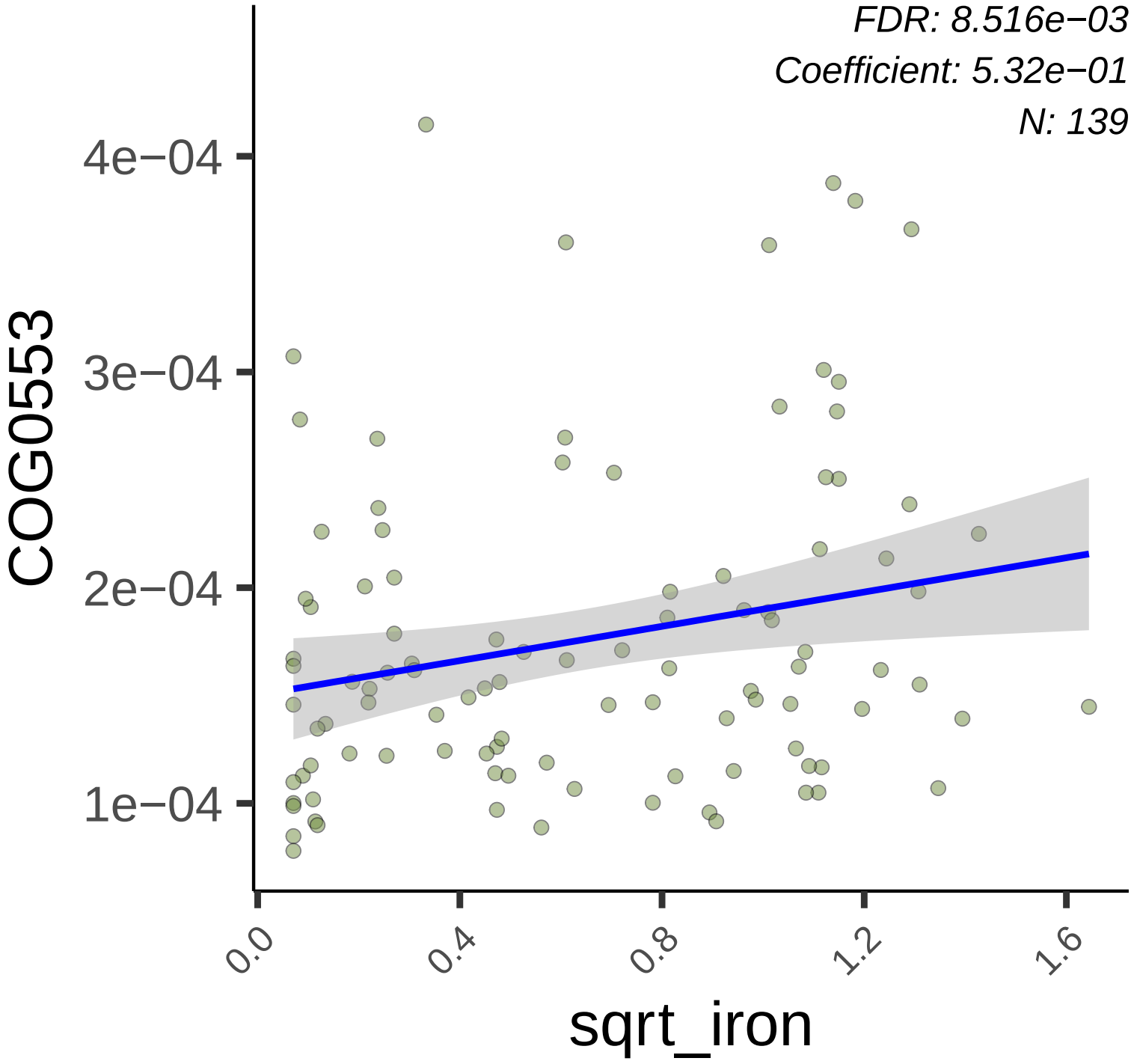
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.516e−03
Coefficient: 5.32e−01
N: 139
COG0553
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2e−04
1e−04
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0.4
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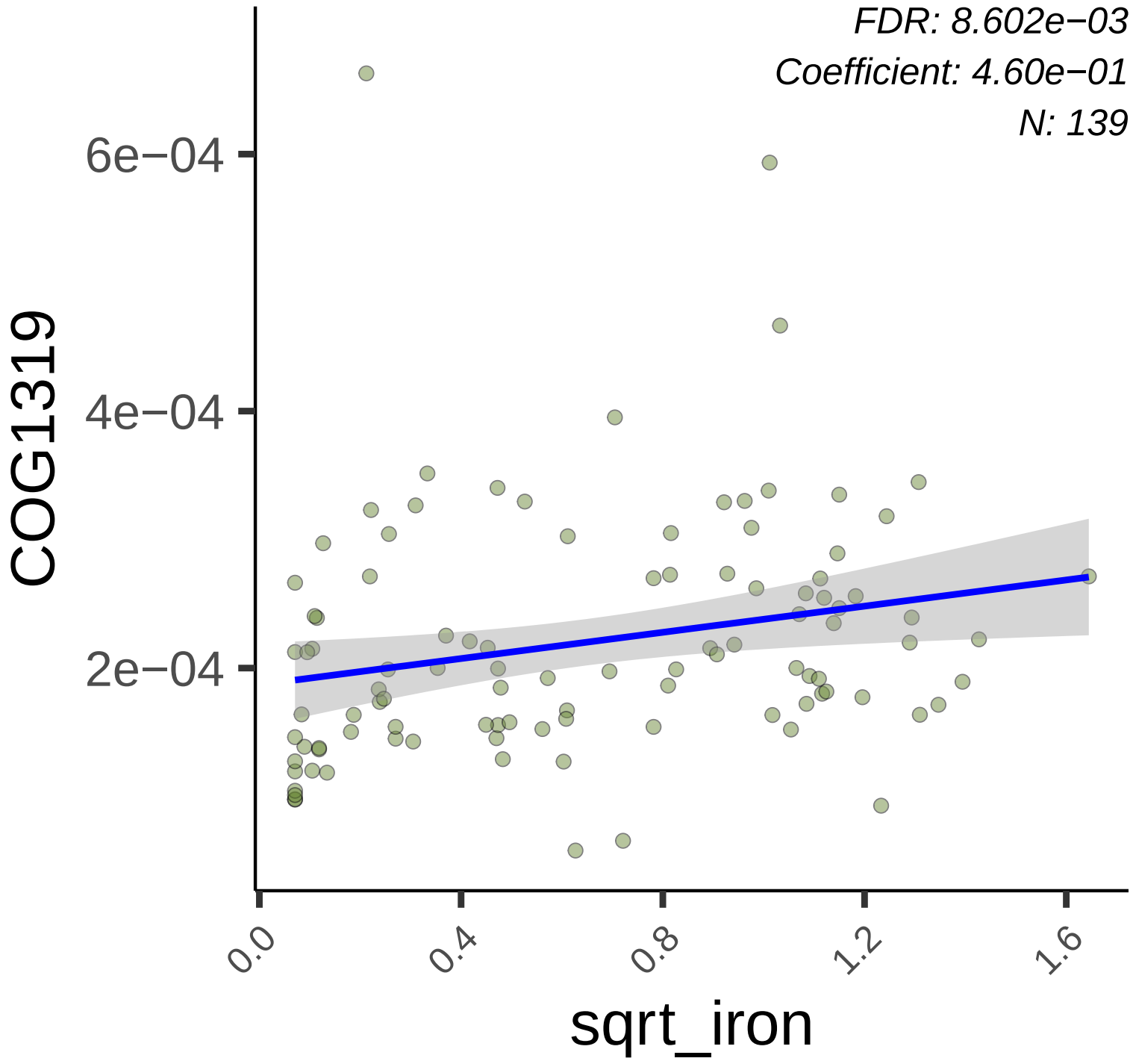
1.2
1.6
sqrt_iron


FDR: 8.602e−03
Coefficient: 4.60e−01
N: 139
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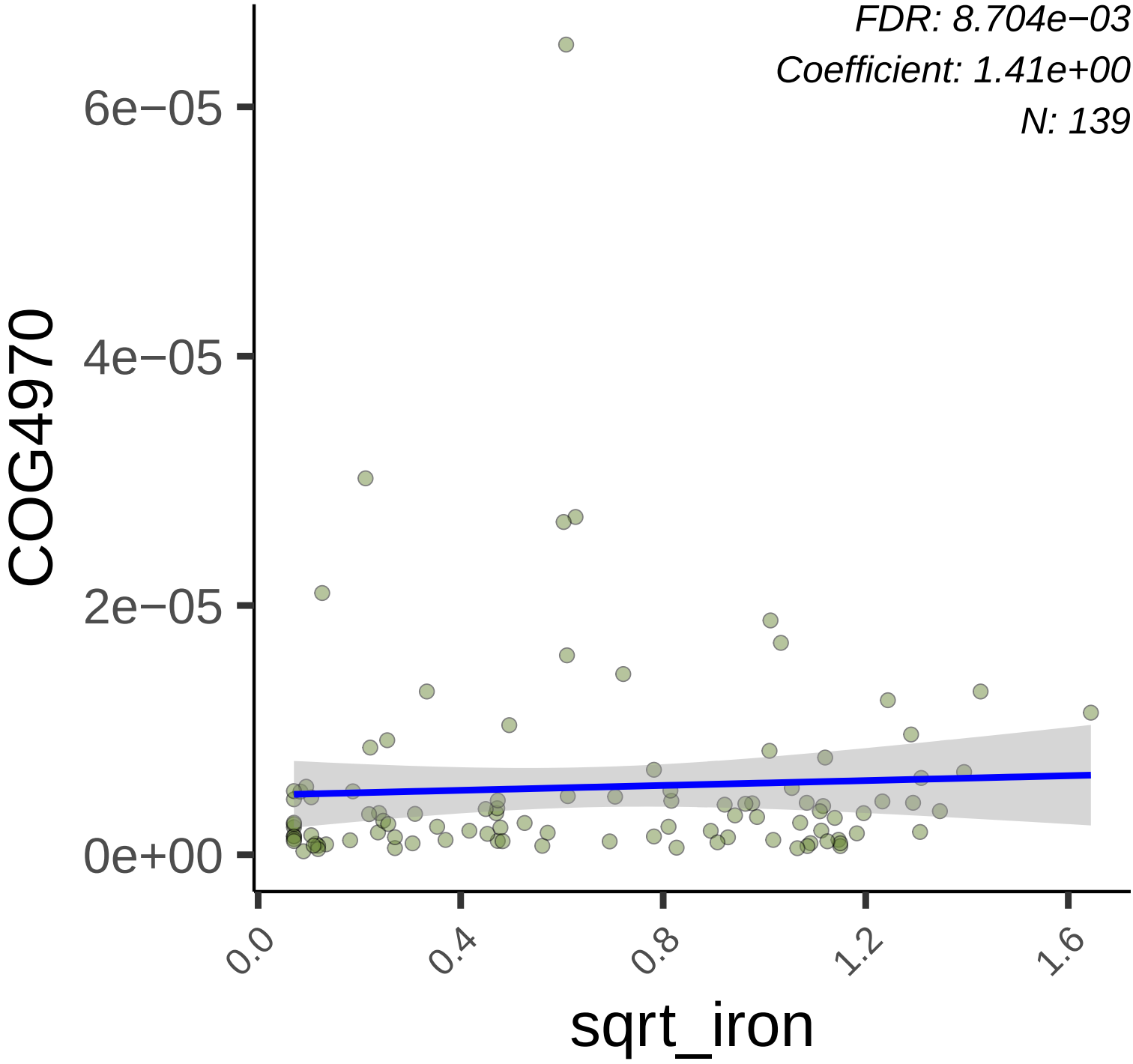
0.8
1.2
1.6
sqrt_iron


FDR: 8.704e−03
Coefficient: 1.41e+00
N: 139
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4e−05
2e−05
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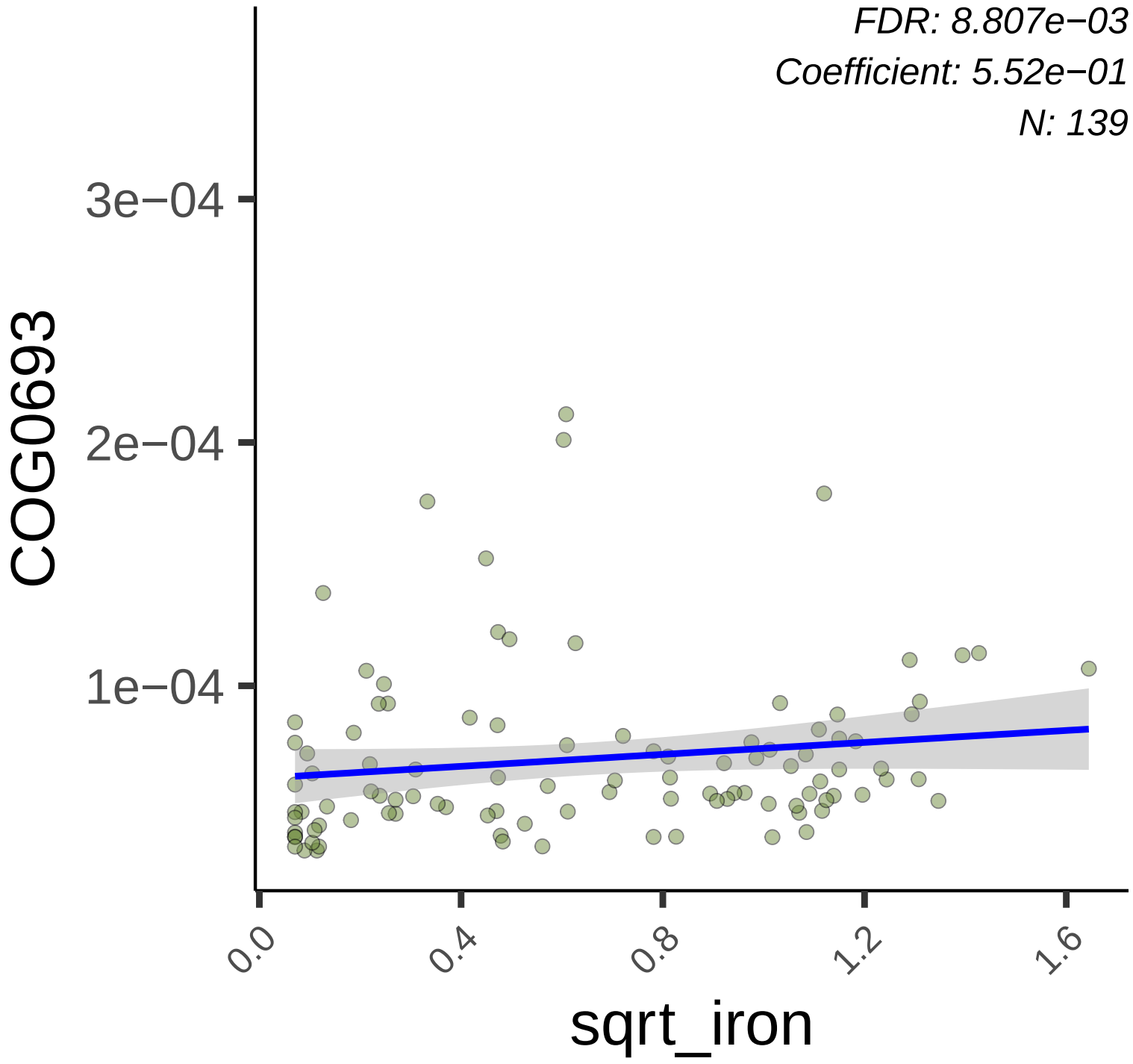
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.807e−03
Coefficient: 5.52e−01
N: 139
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2e−04
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0.4
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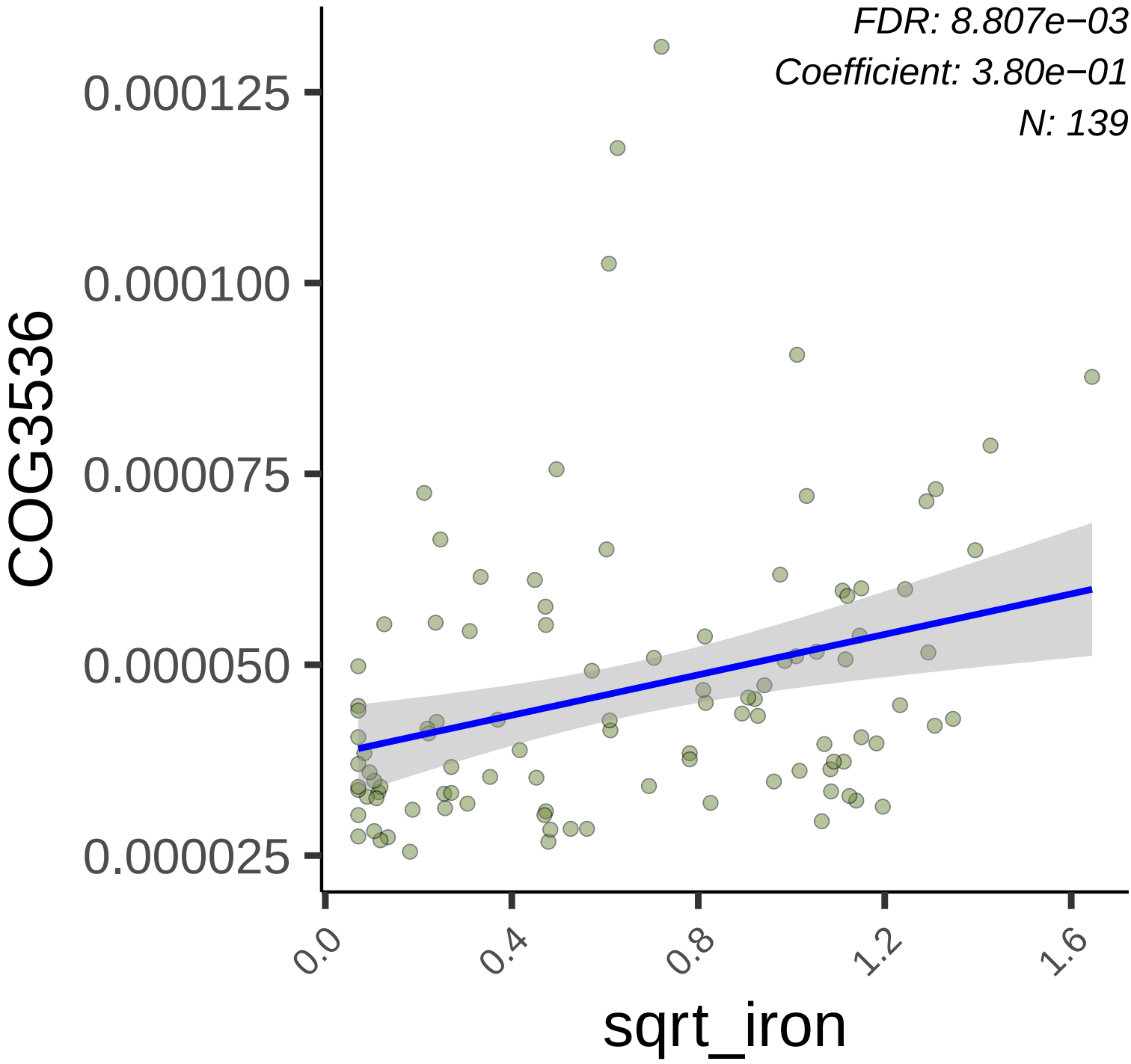
1.2
1.6
sqrt_iron


FDR: 8.807e−03
Coefficient: 3.80e−01
N: 139
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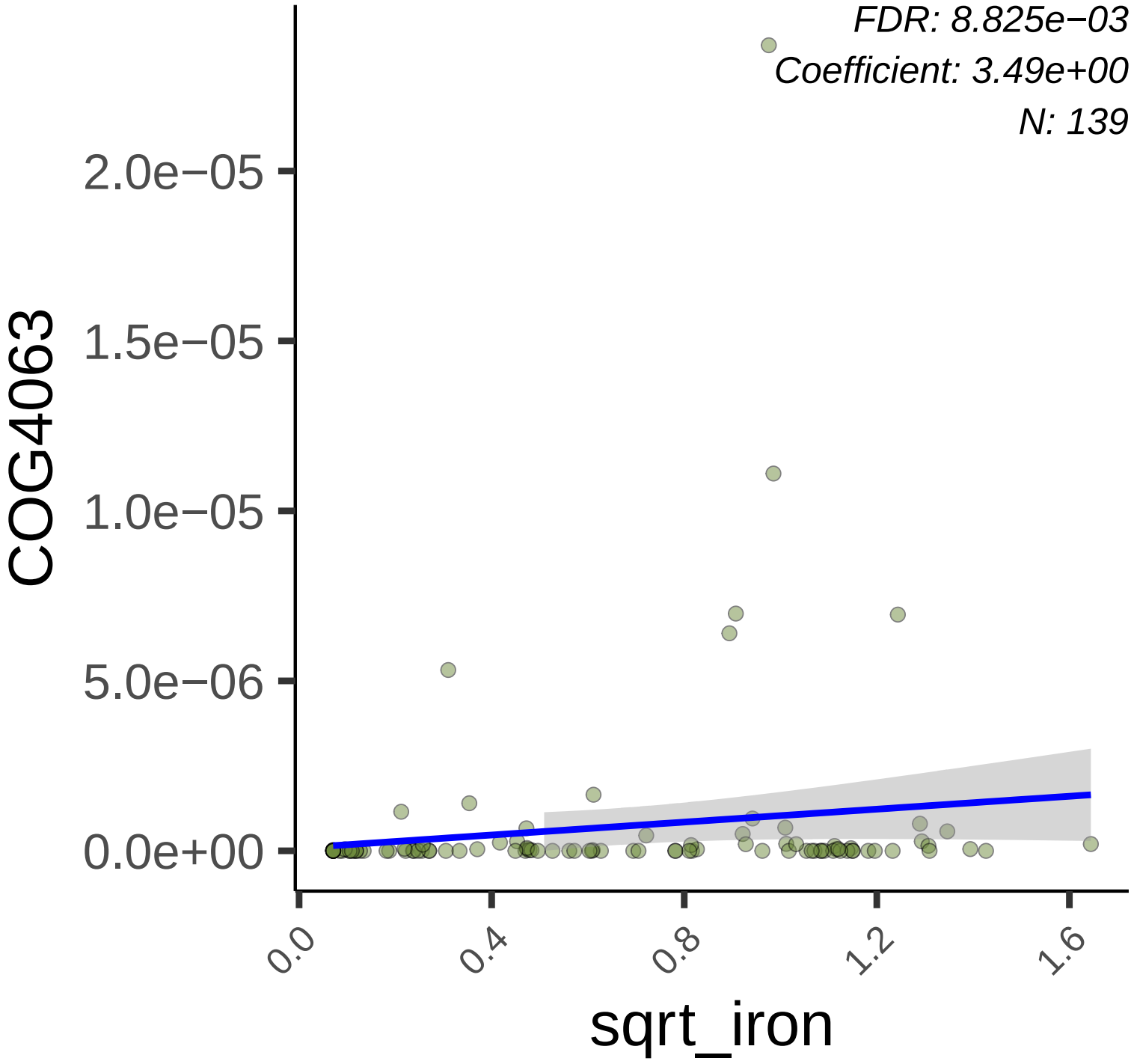
1.6
sqrt_iron


FDR: 8.825e−03
Coefficient: 3.49e+00
N: 139
COG4063
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5.0e−06
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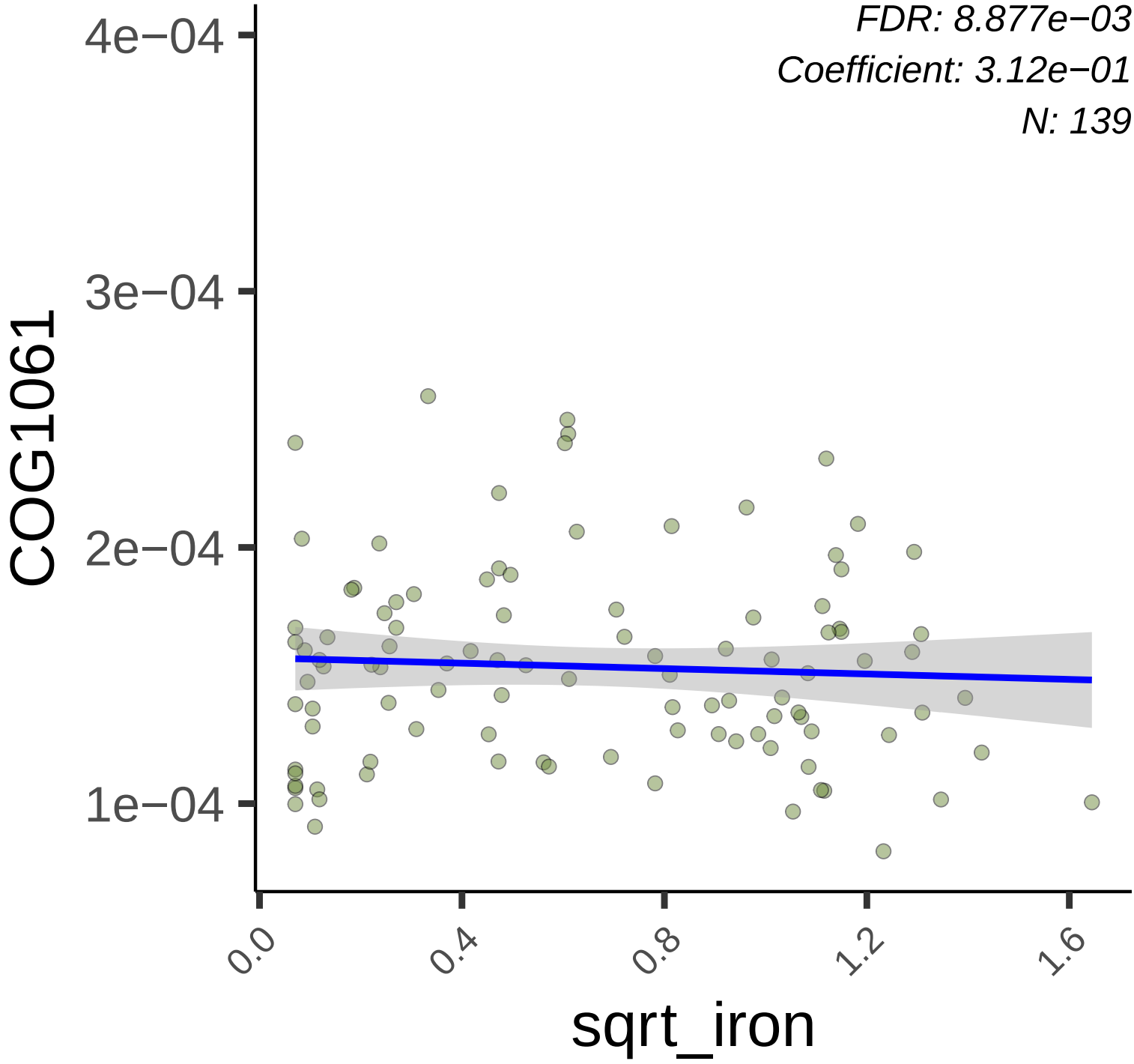
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.877e−03
Coefficient: 3.12e−01
N: 139
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2e−04
1e−04
COG1061
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0.4
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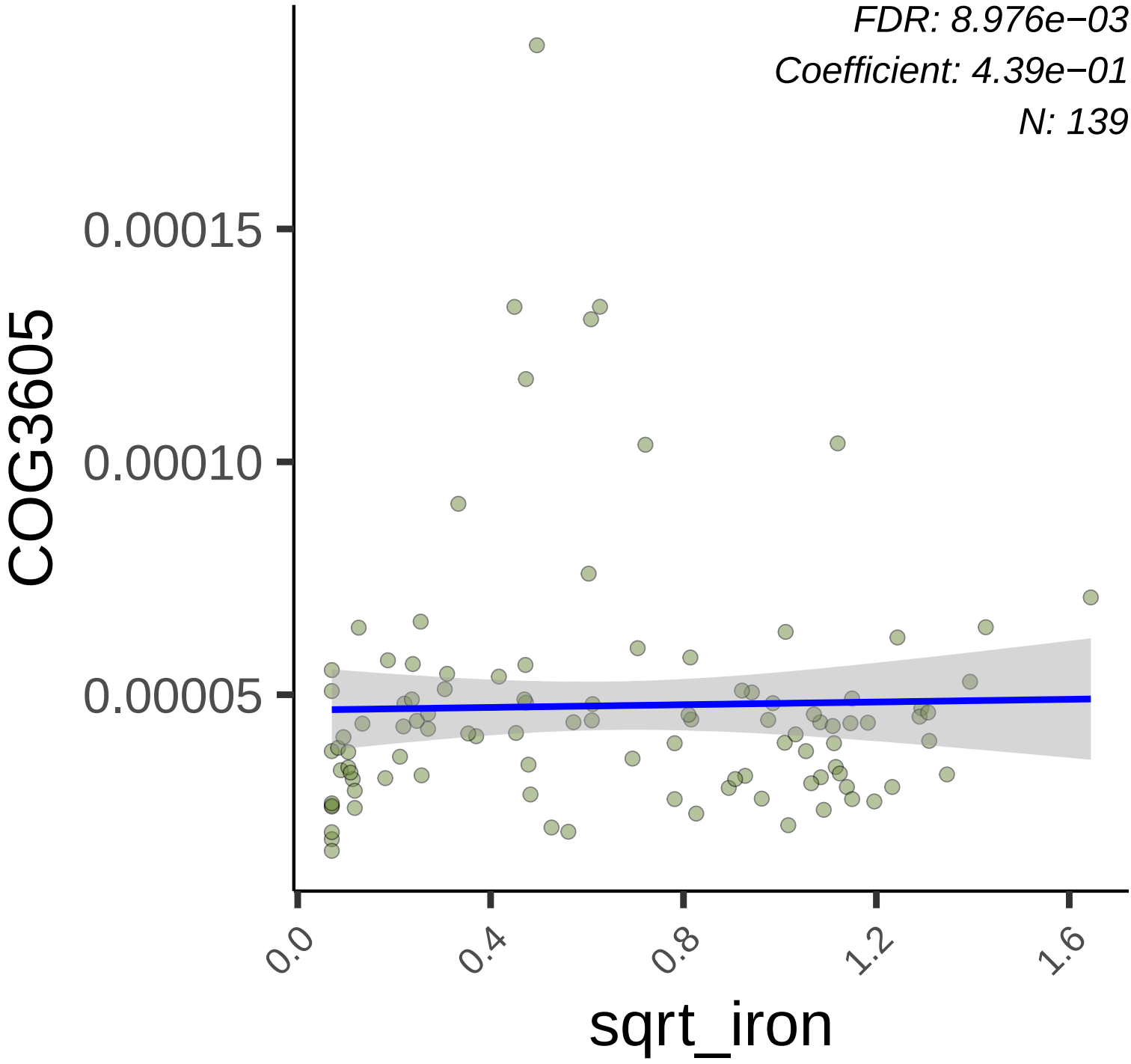
1.2
1.6
sqrt_iron


FDR: 8.976e−03
Coefficient: 4.39e−01
N: 139
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0.00005
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0.8
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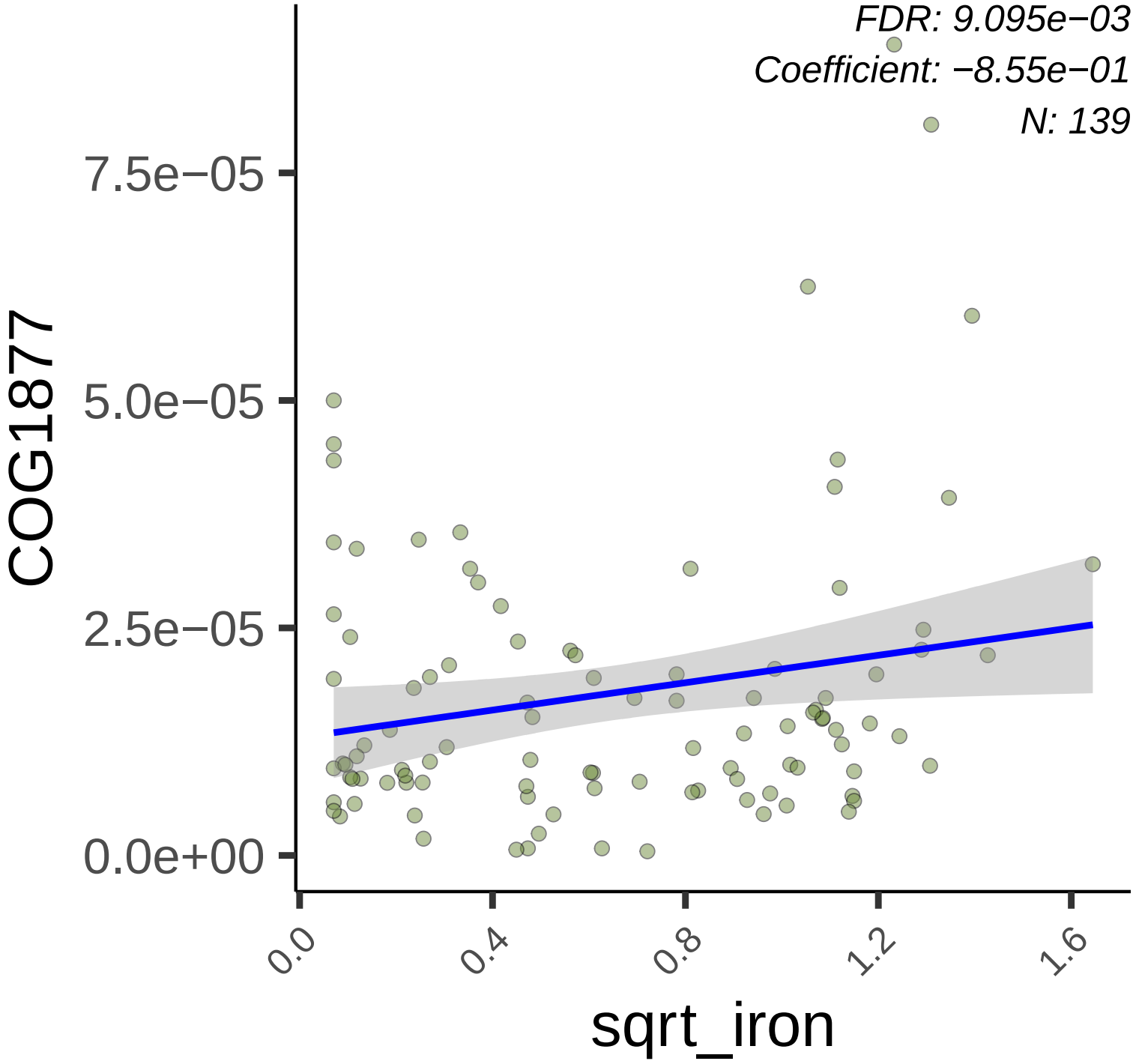
1.6
sqrt_iron


FDR: 9.095e−03
Coefficient: −8.55e−01
N: 139
COG1877
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2.5e−05
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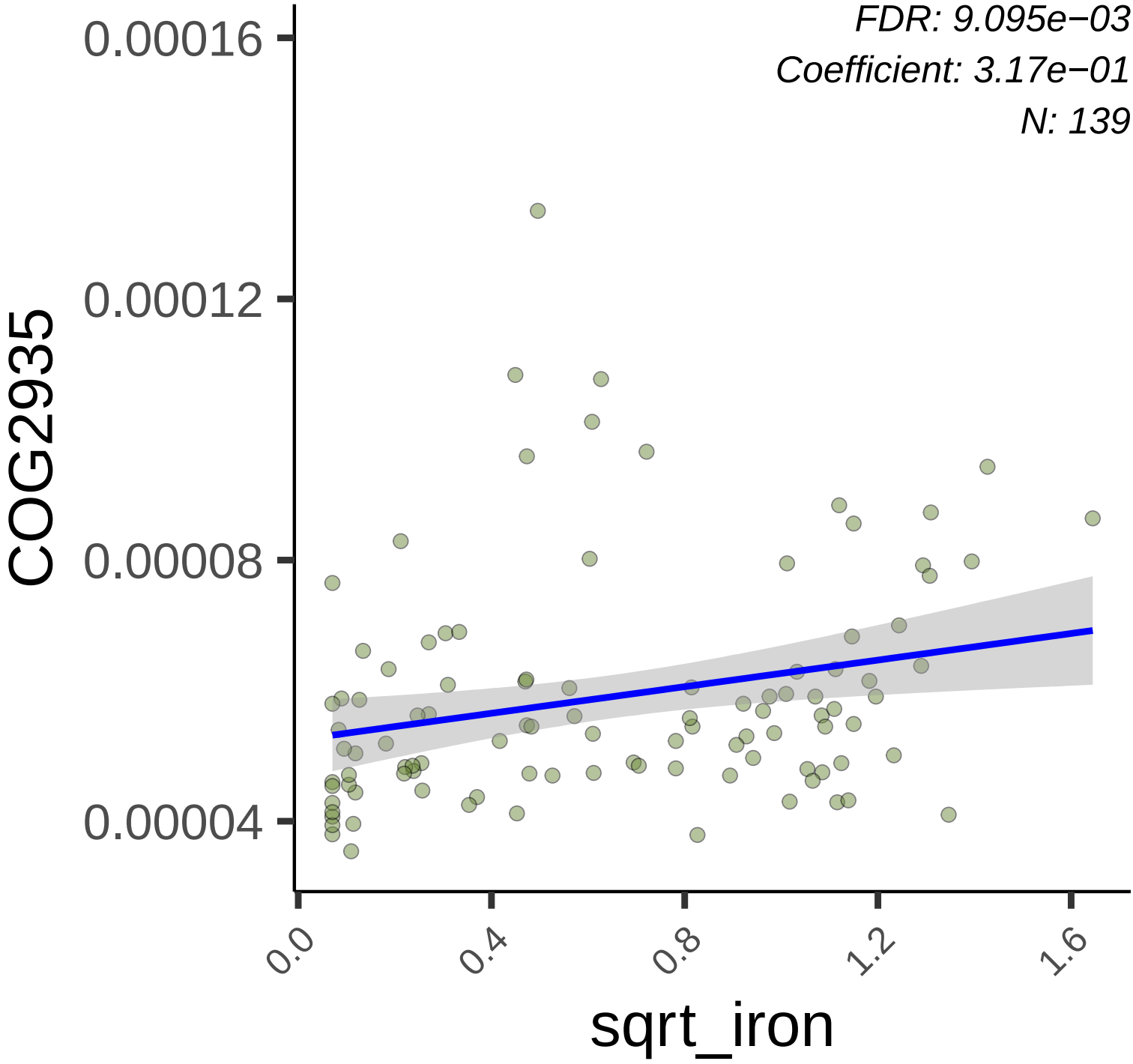
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.095e−03
Coefficient: 3.17e−01
N: 139
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0.00012
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COG2935
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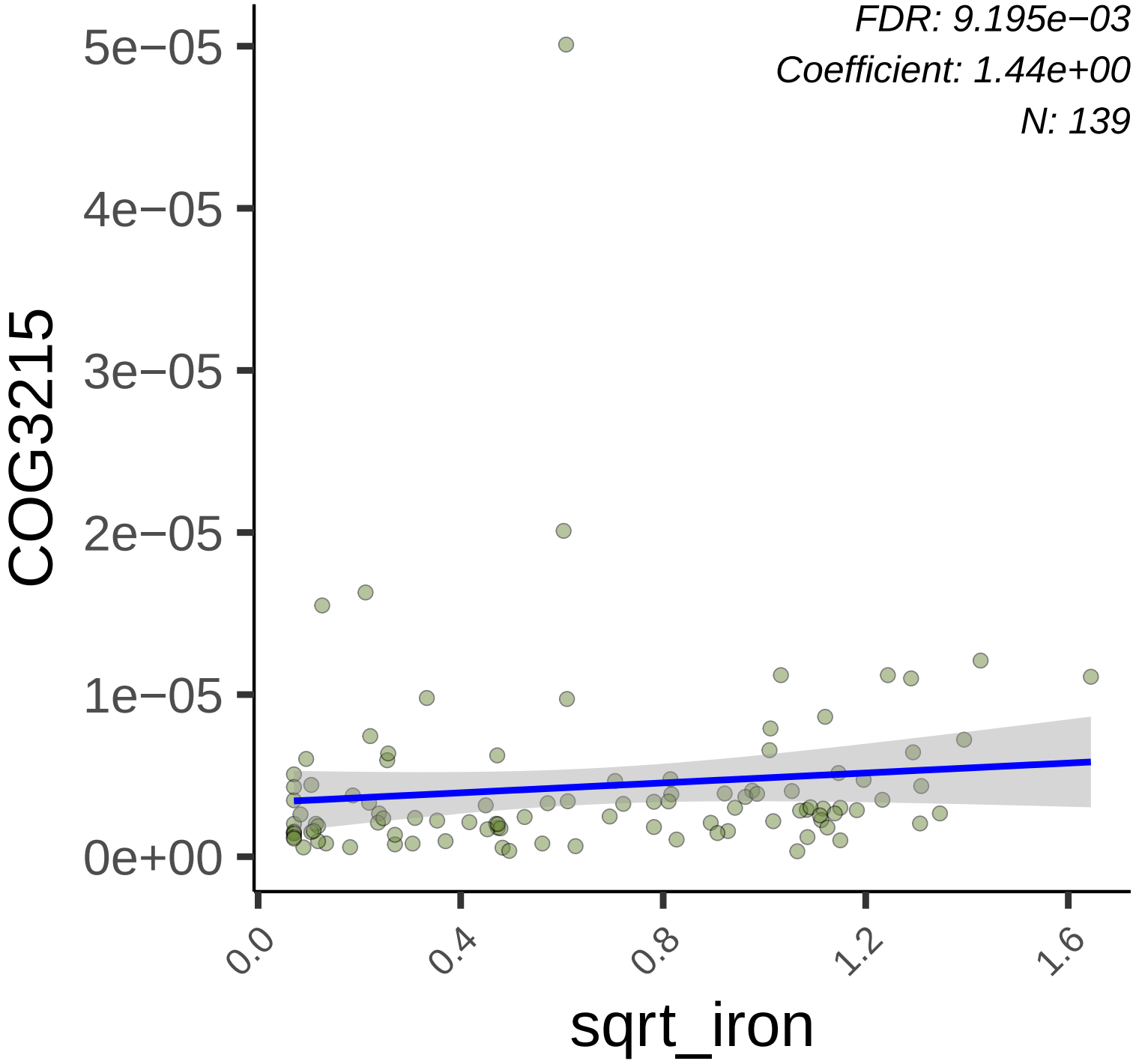
0.8
1.2
1.6
sqrt_iron


FDR: 9.195e−03
Coefficient: 1.44e+00
N: 139
COG3215
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4e−05
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2e−05
1e−05
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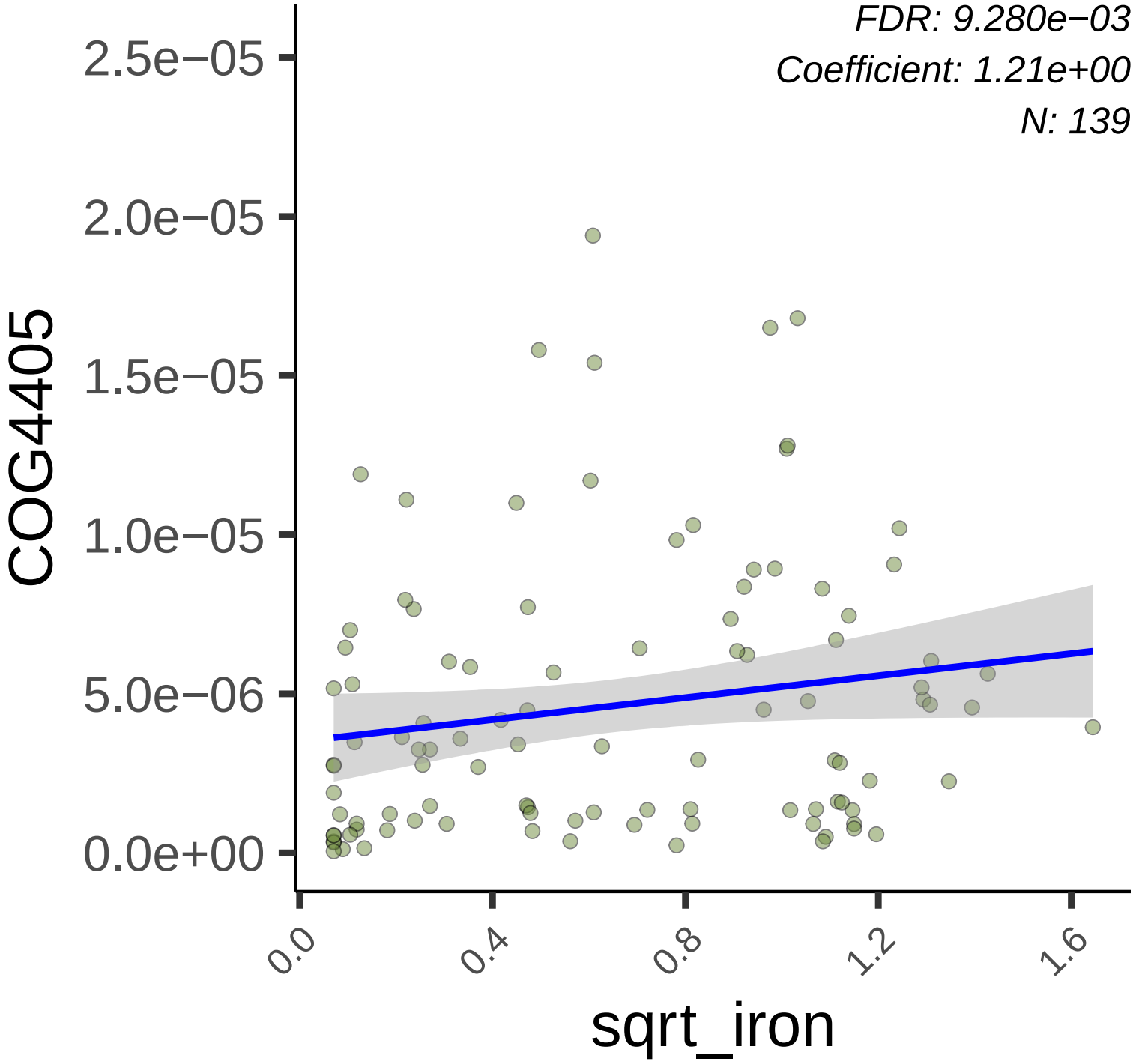
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.280e−03
Coefficient: 1.21e+00
N: 139
COG4405
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1.5e−05
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5.0e−06
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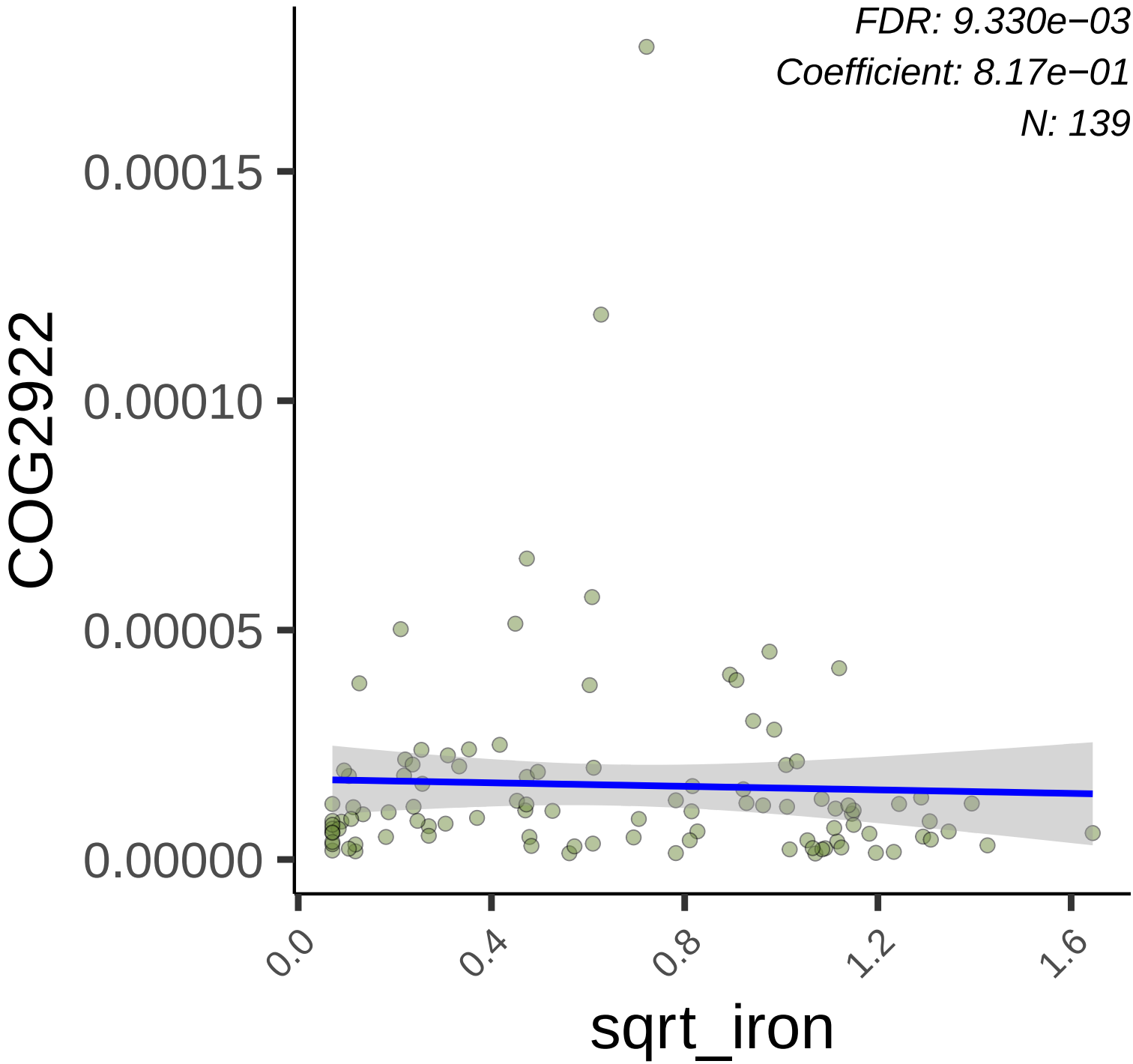
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.330e−03
Coefficient: 8.17e−01
N: 139
COG2922
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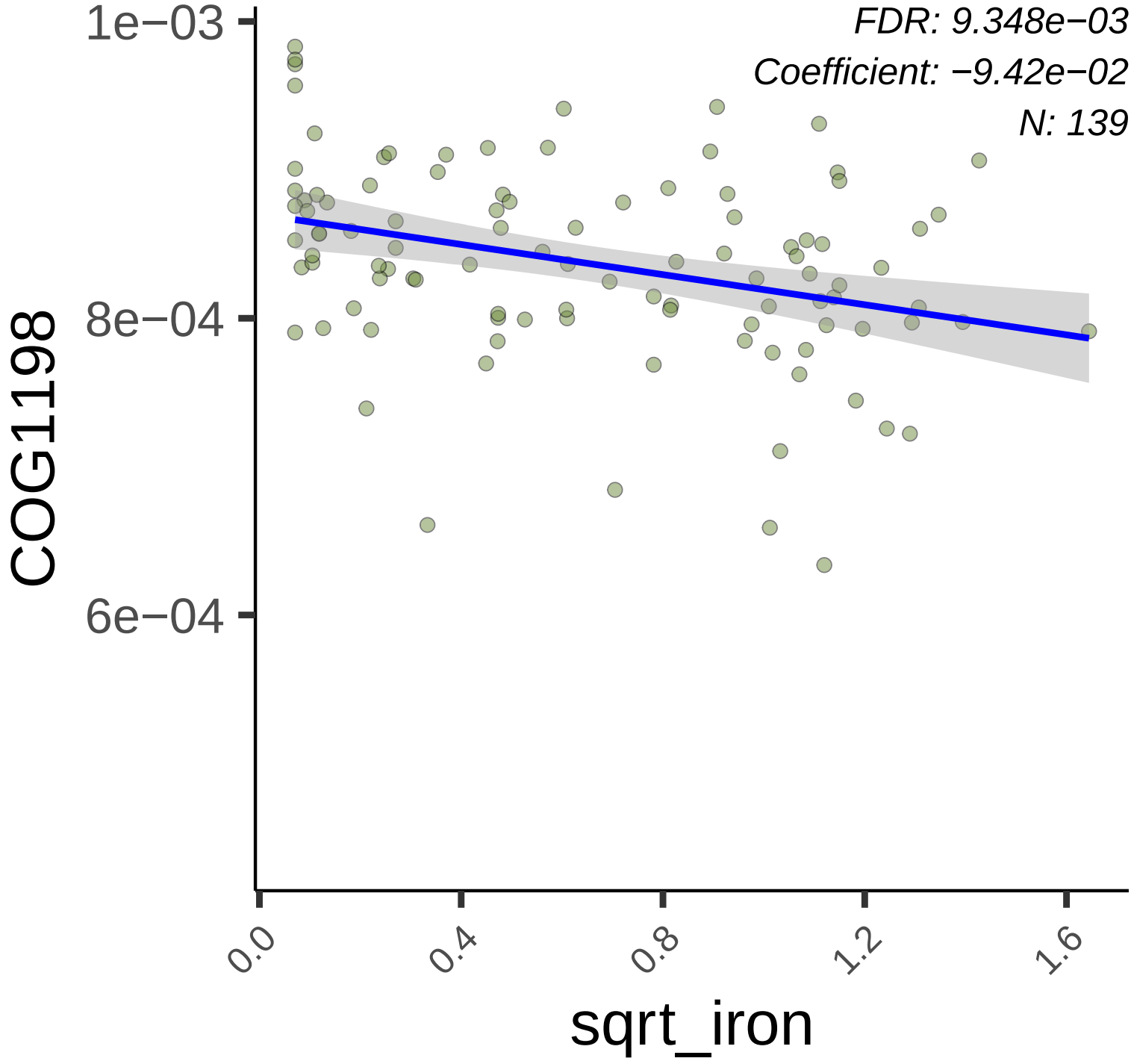
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.348e−03
Coefficient: −9.42e−02
N: 139
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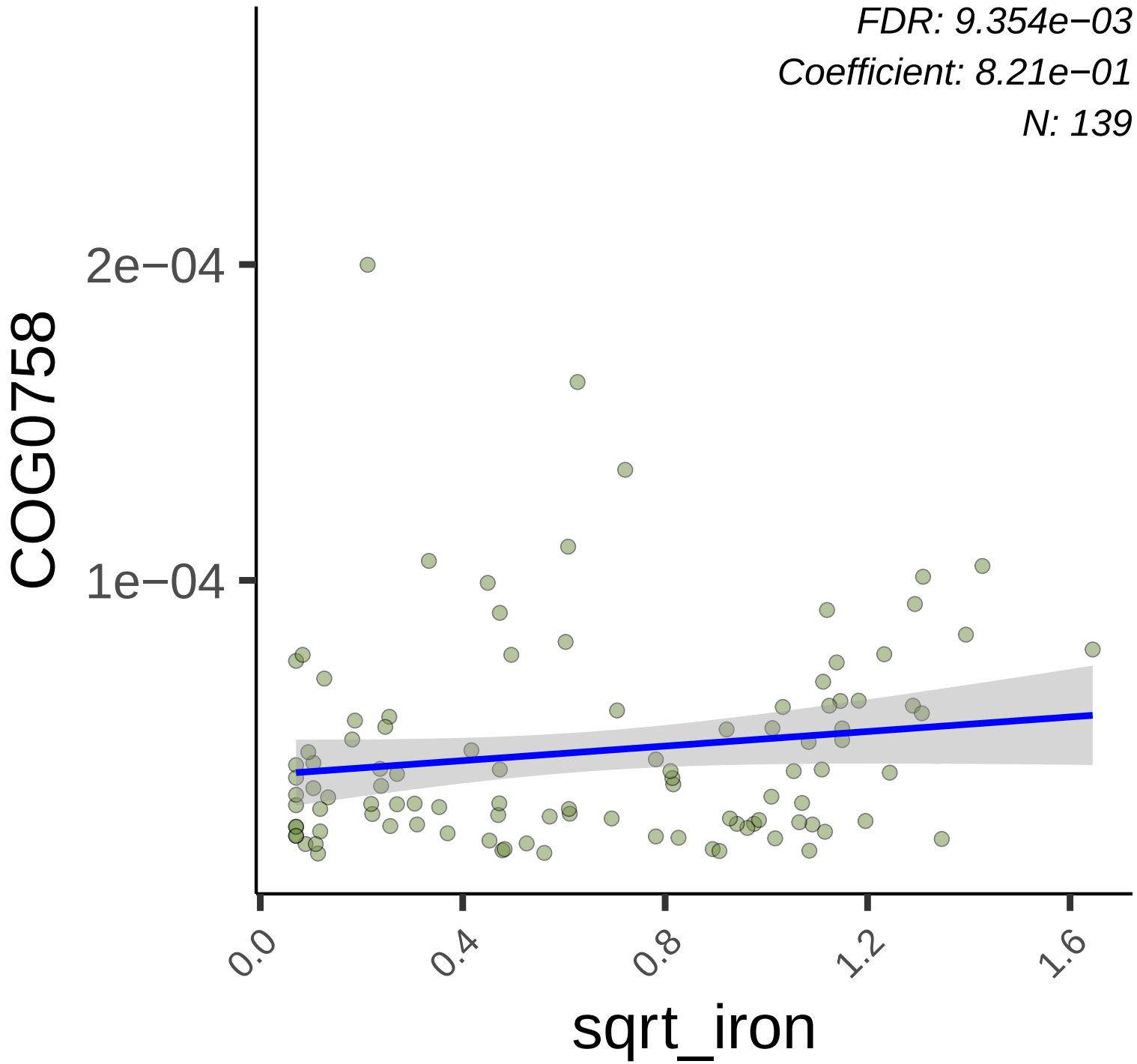
8e−04
6e−04
COG1198
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.354e−03
Coefficient: 8.21e−01
N: 139
COG0758
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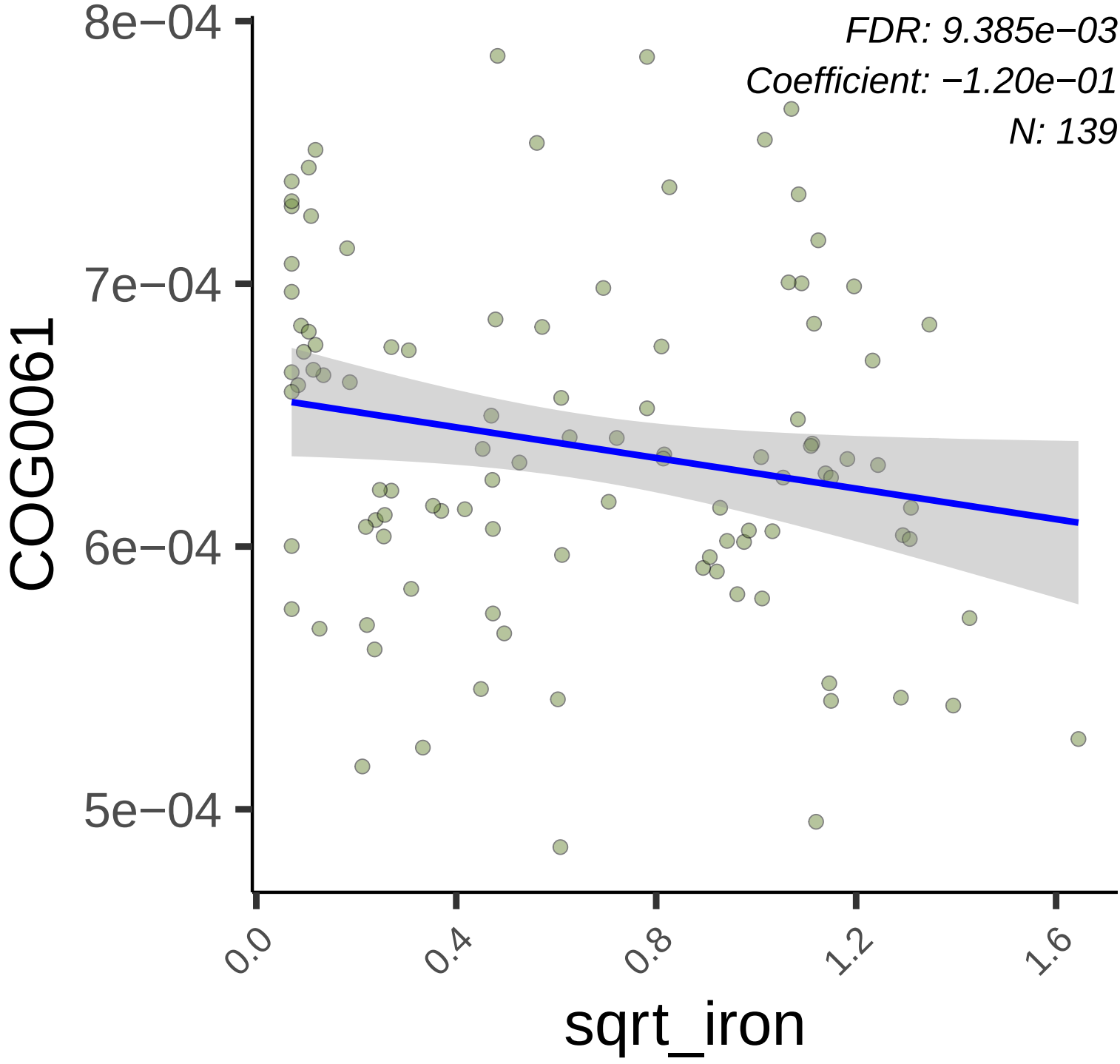
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.385e−03
Coefficient: −1.20e−01
N: 139
8e−04
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COG0061
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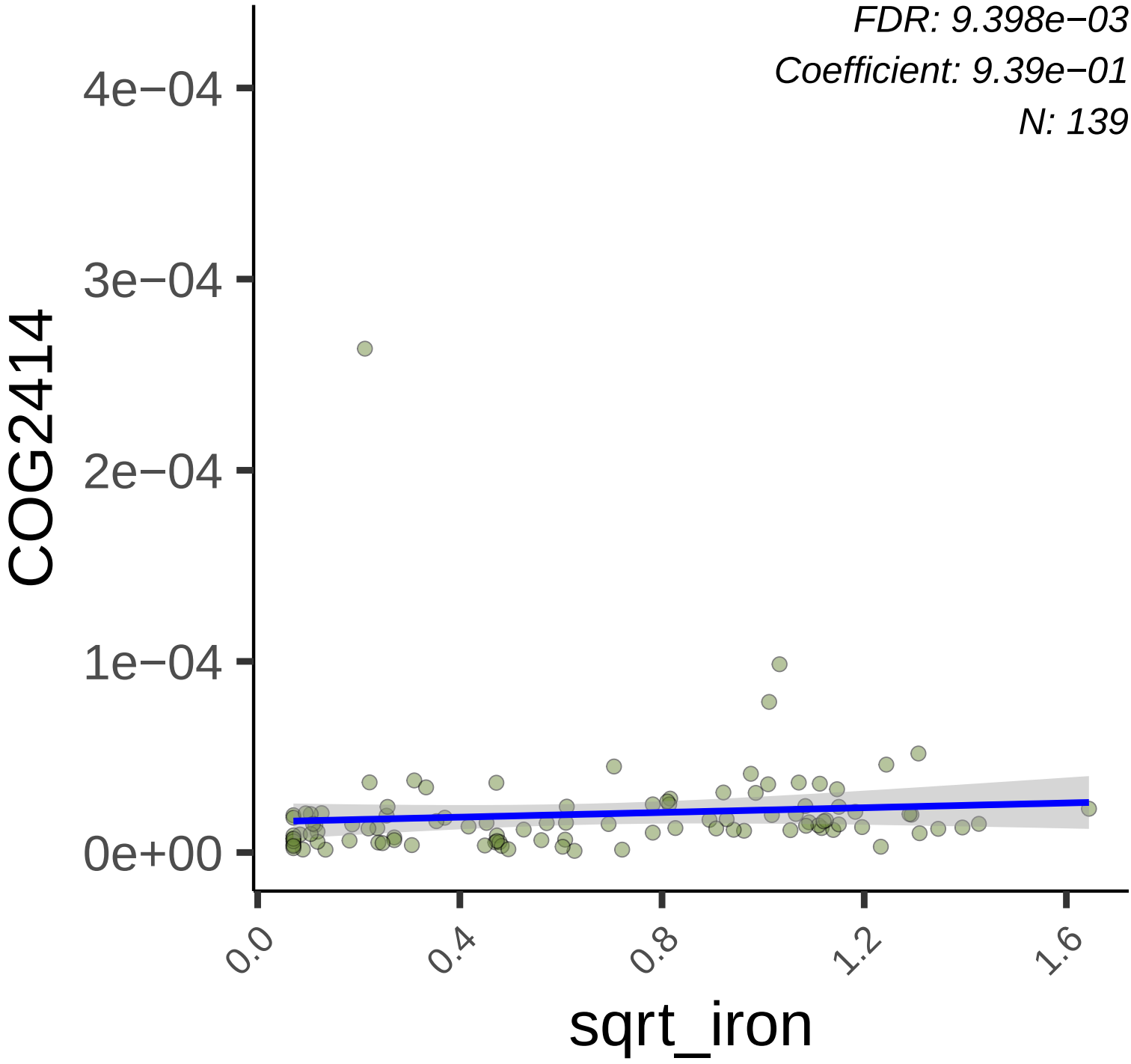
1.6
sqrt_iron


FDR: 9.398e−03
Coefficient: 9.39e−01
N: 139
COG2414
4e−04
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2e−04
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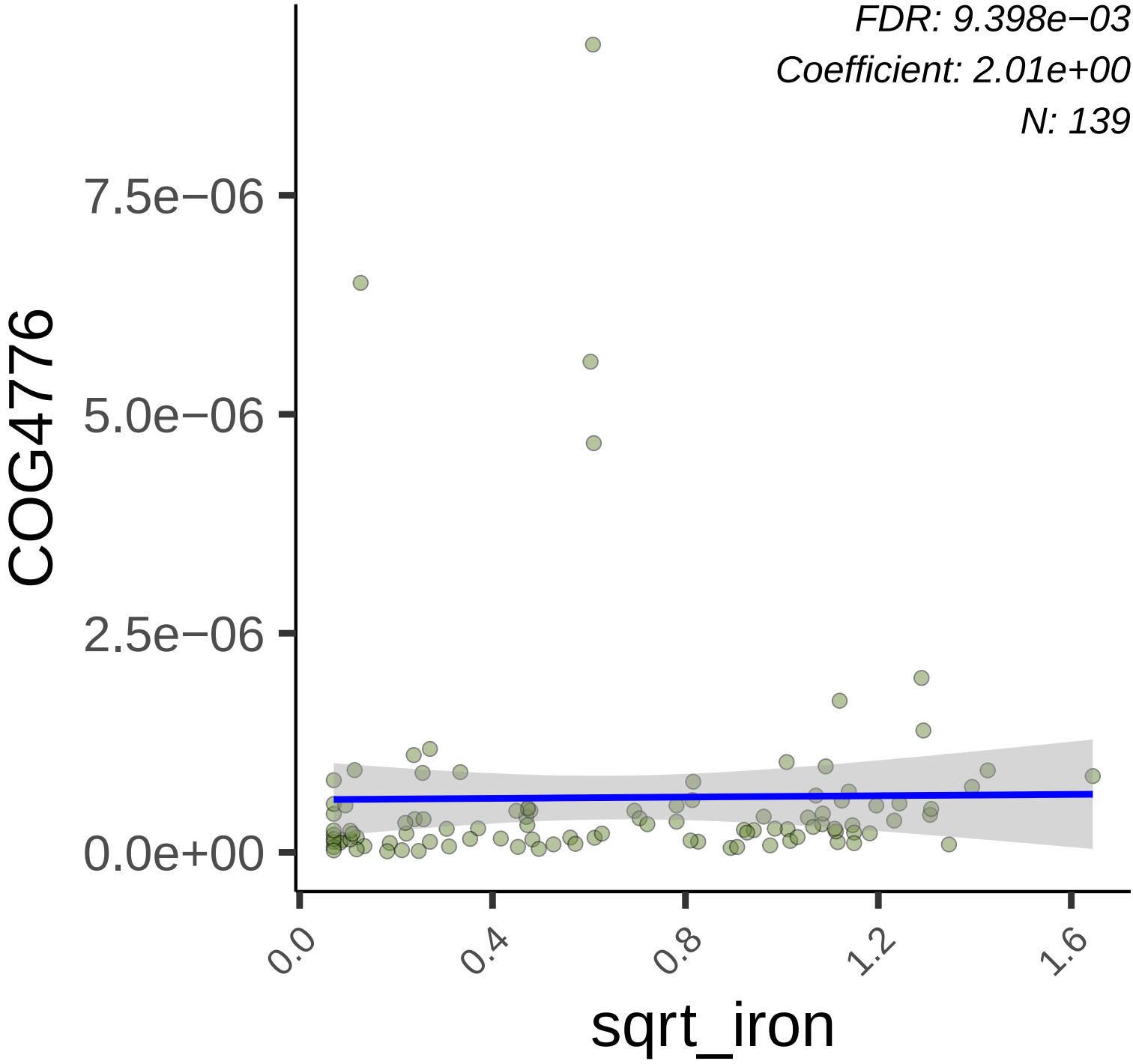
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.398e−03
Coefficient: 2.01e+00
N: 139
COG4776
7.5e−06
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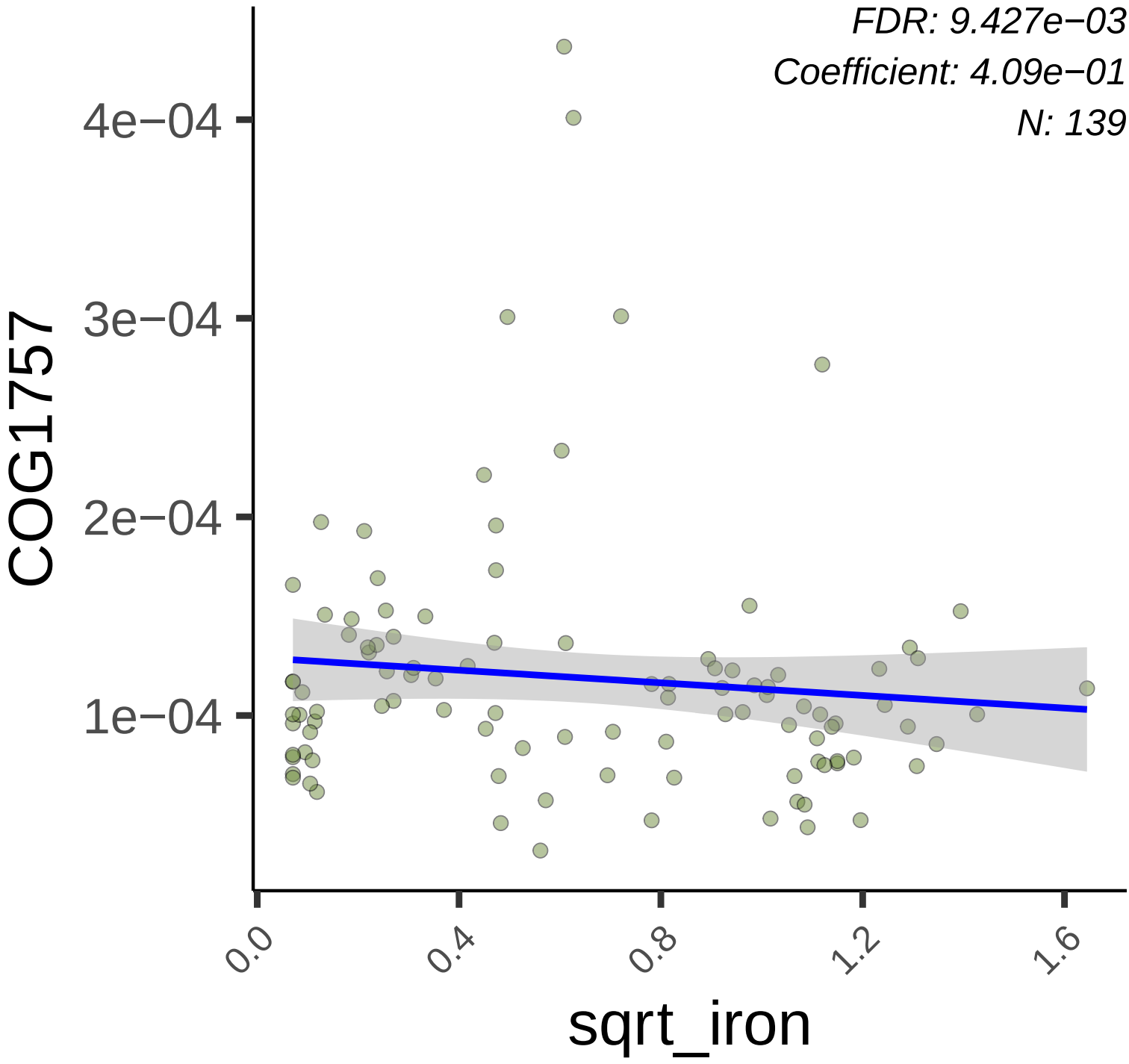
1.2
1.6
sqrt_iron


FDR: 9.427e−03
Coefficient: 4.09e−01
N: 139
COG1757
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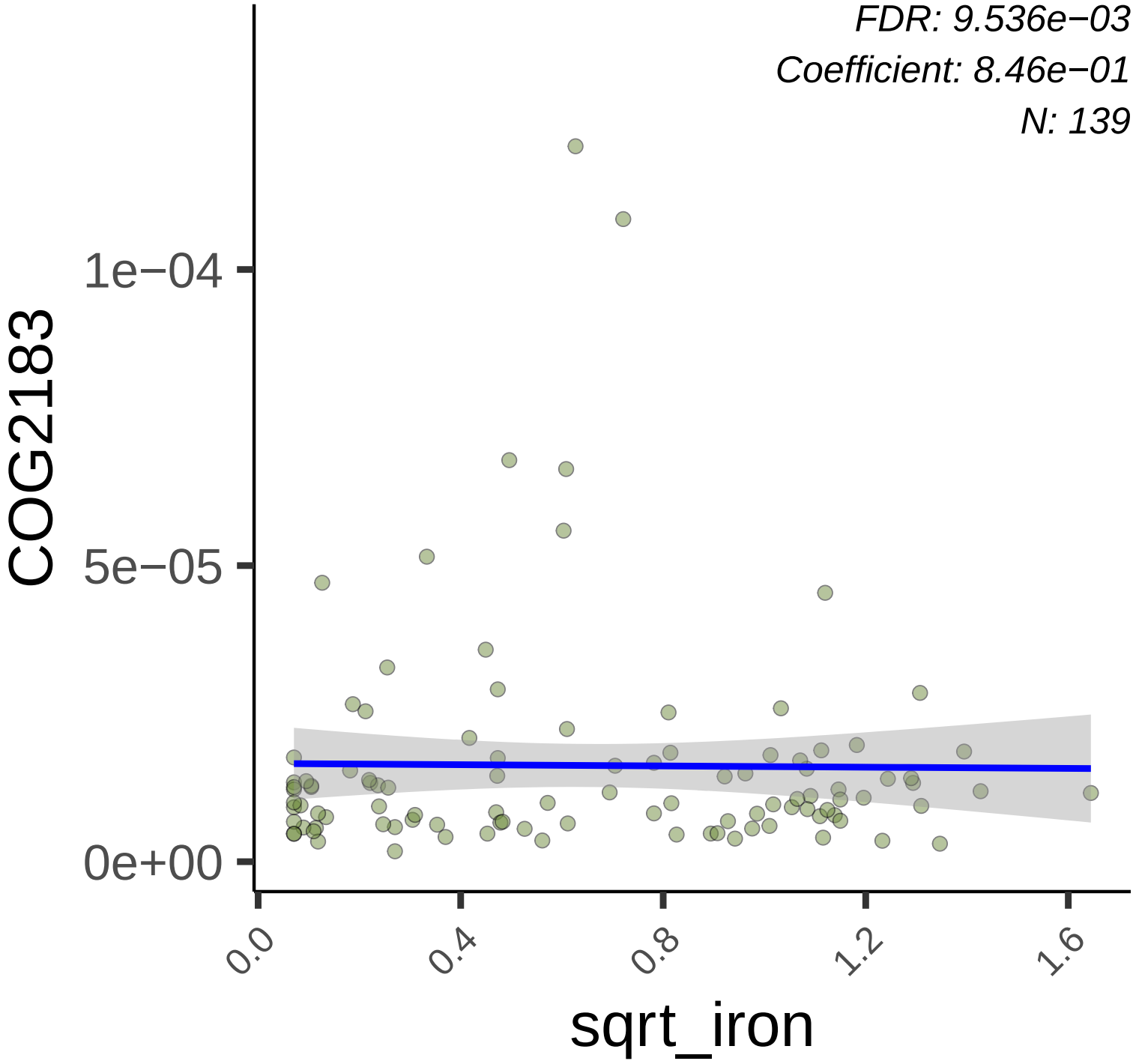
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.536e−03
Coefficient: 8.46e−01
N: 139
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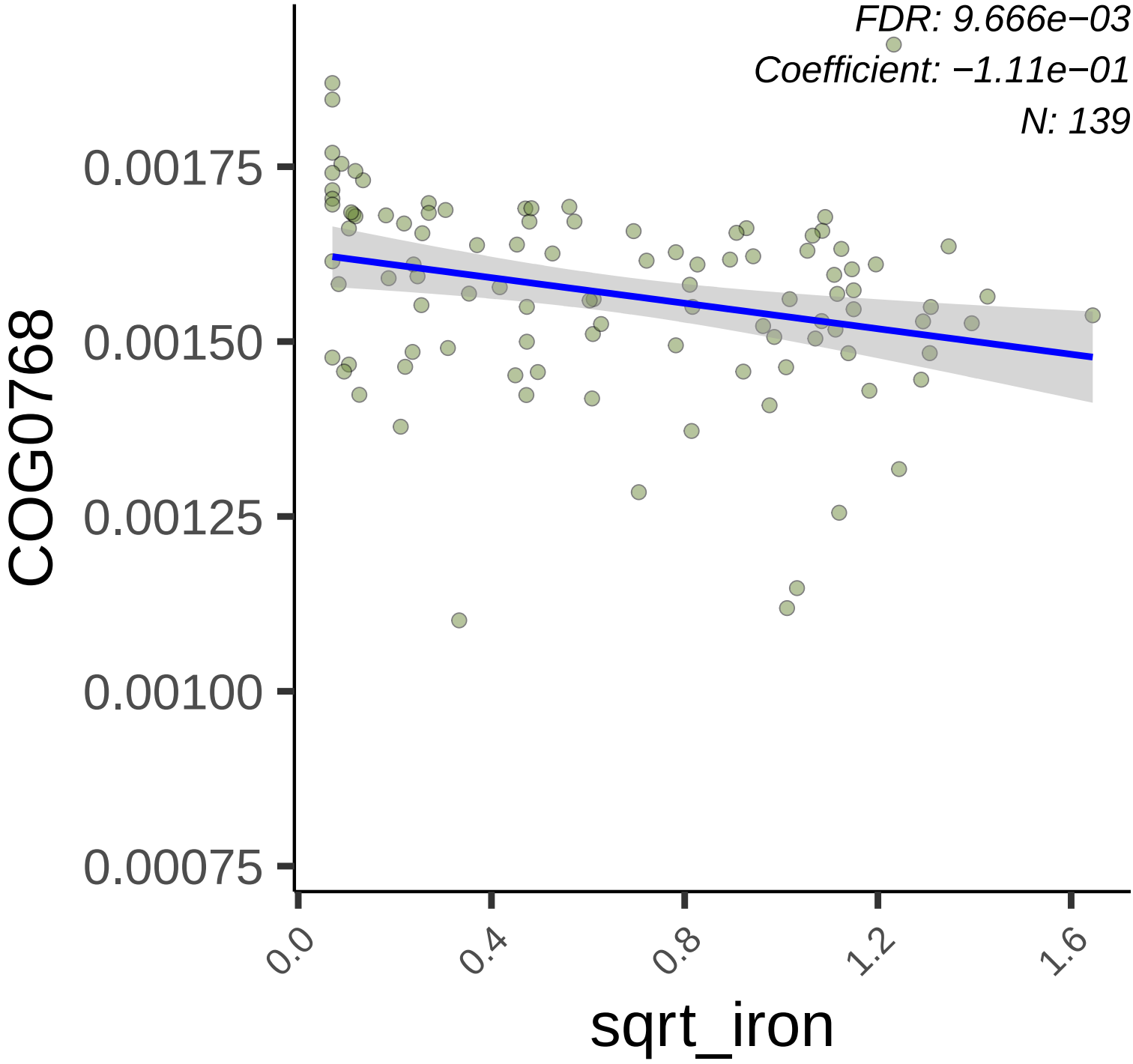
1.2
1.6
sqrt_iron


FDR: 9.666e−03
Coefficient: −1.11e−01
N: 139
COG0768
0.00175
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0.00100
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0.4
0.8
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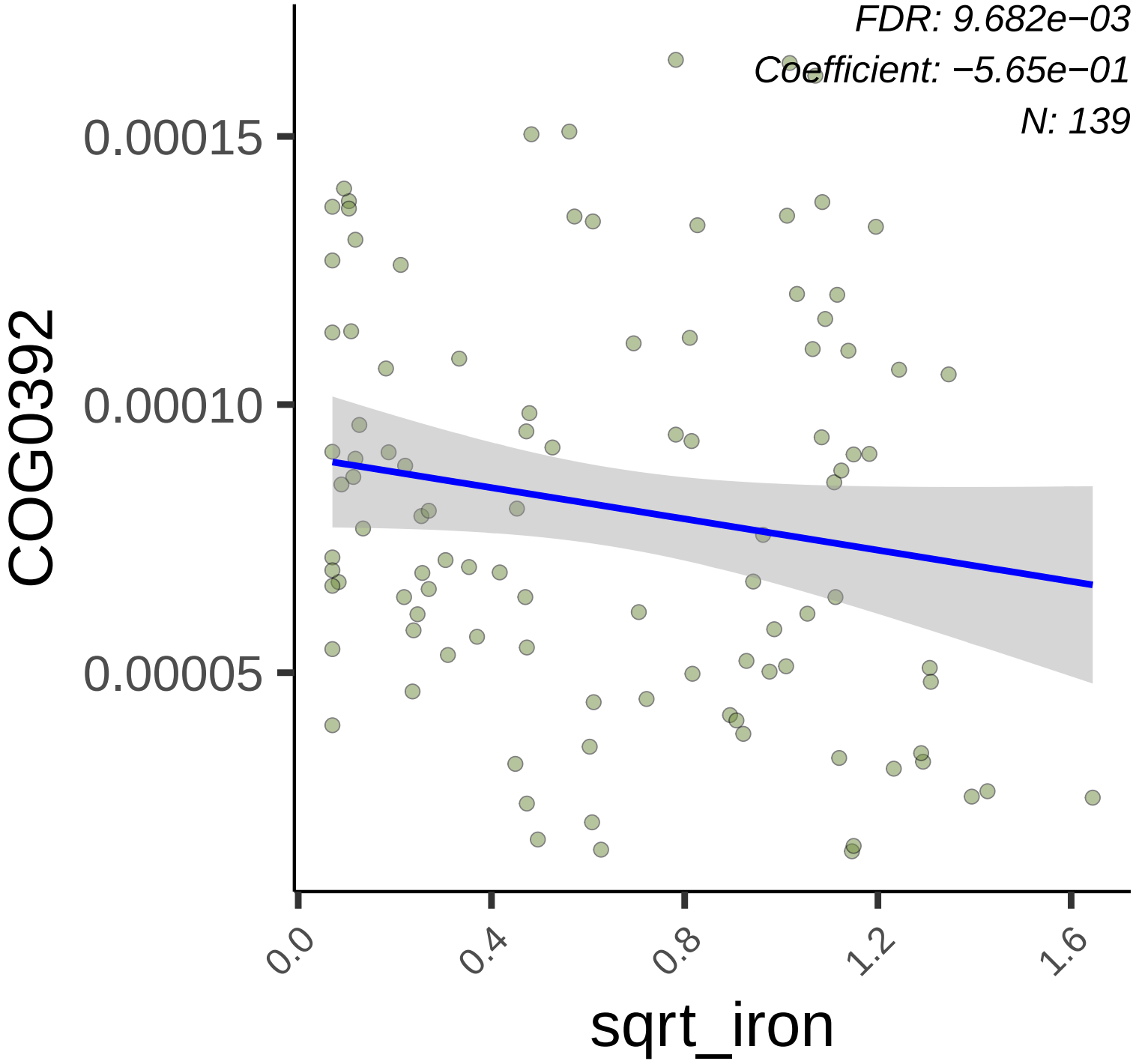
1.6
sqrt_iron


FDR: 9.682e−03
Coefficient: −5.65e−01
N: 139
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0.00010
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COG0392
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0.4
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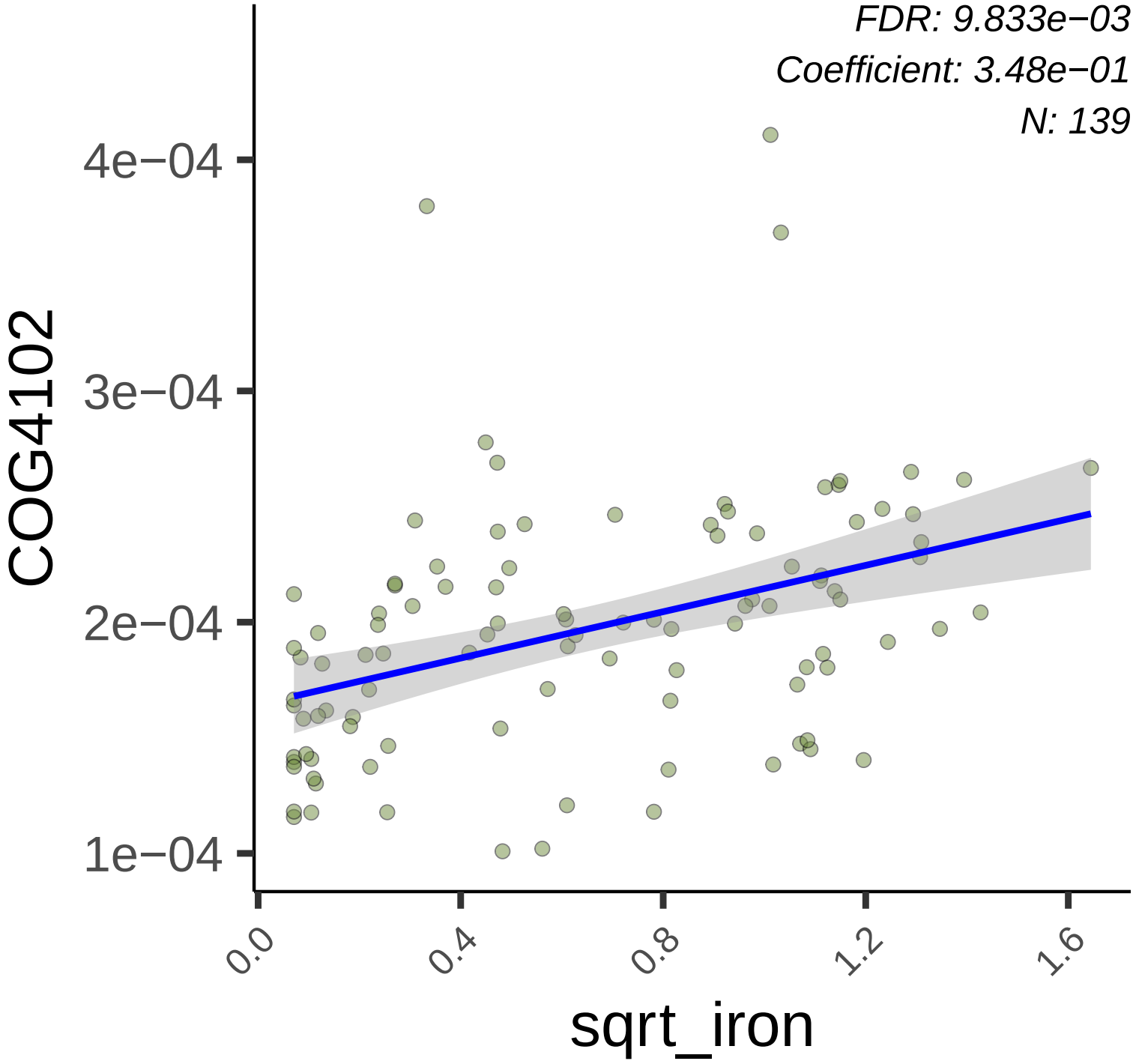
1.2
1.6
sqrt_iron


FDR: 9.833e−03
Coefficient: 3.48e−01
N: 139
COG4102
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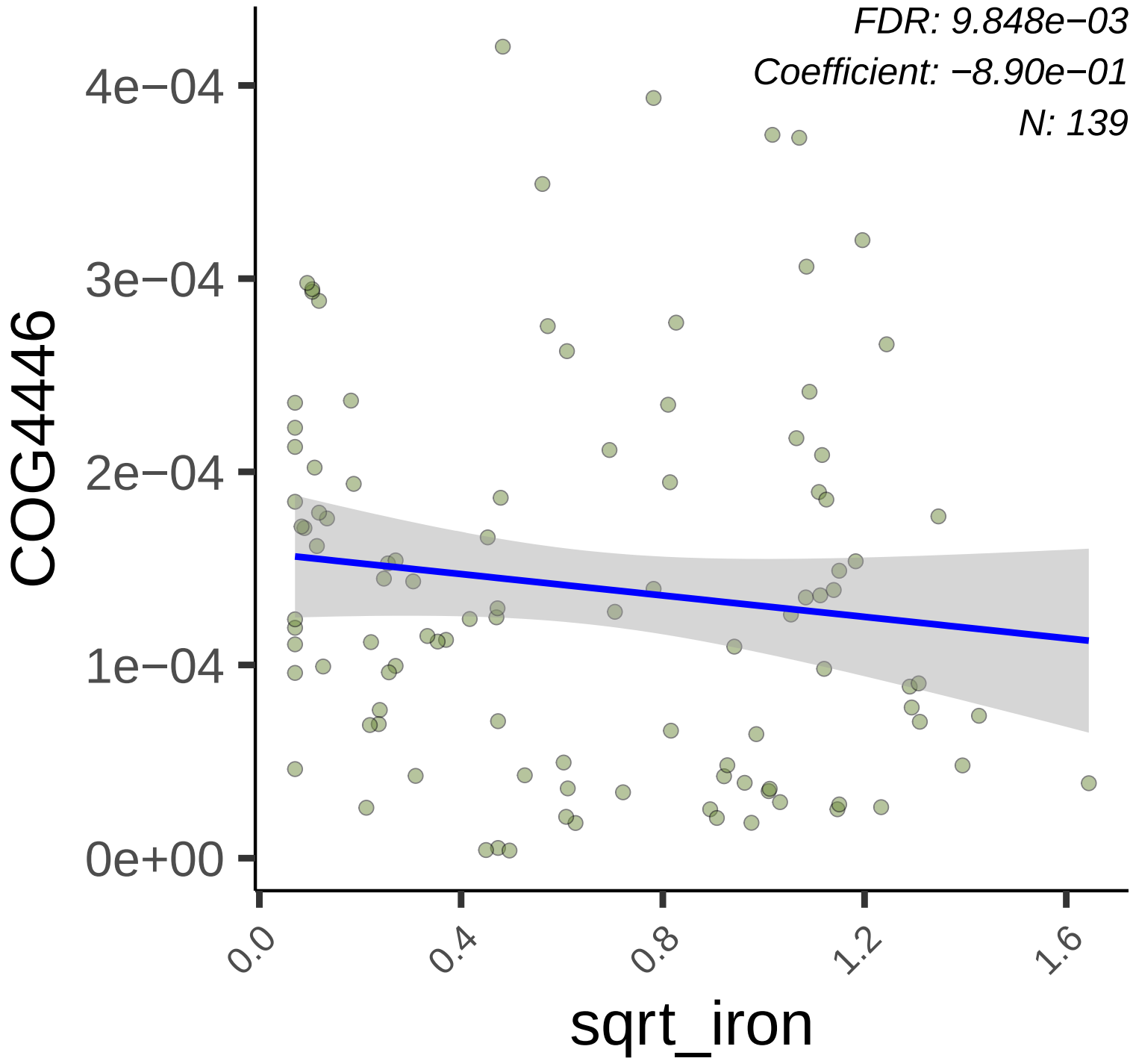
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.848e−03
Coefficient: −8.90e−01
N: 139
COG4446
4e−04
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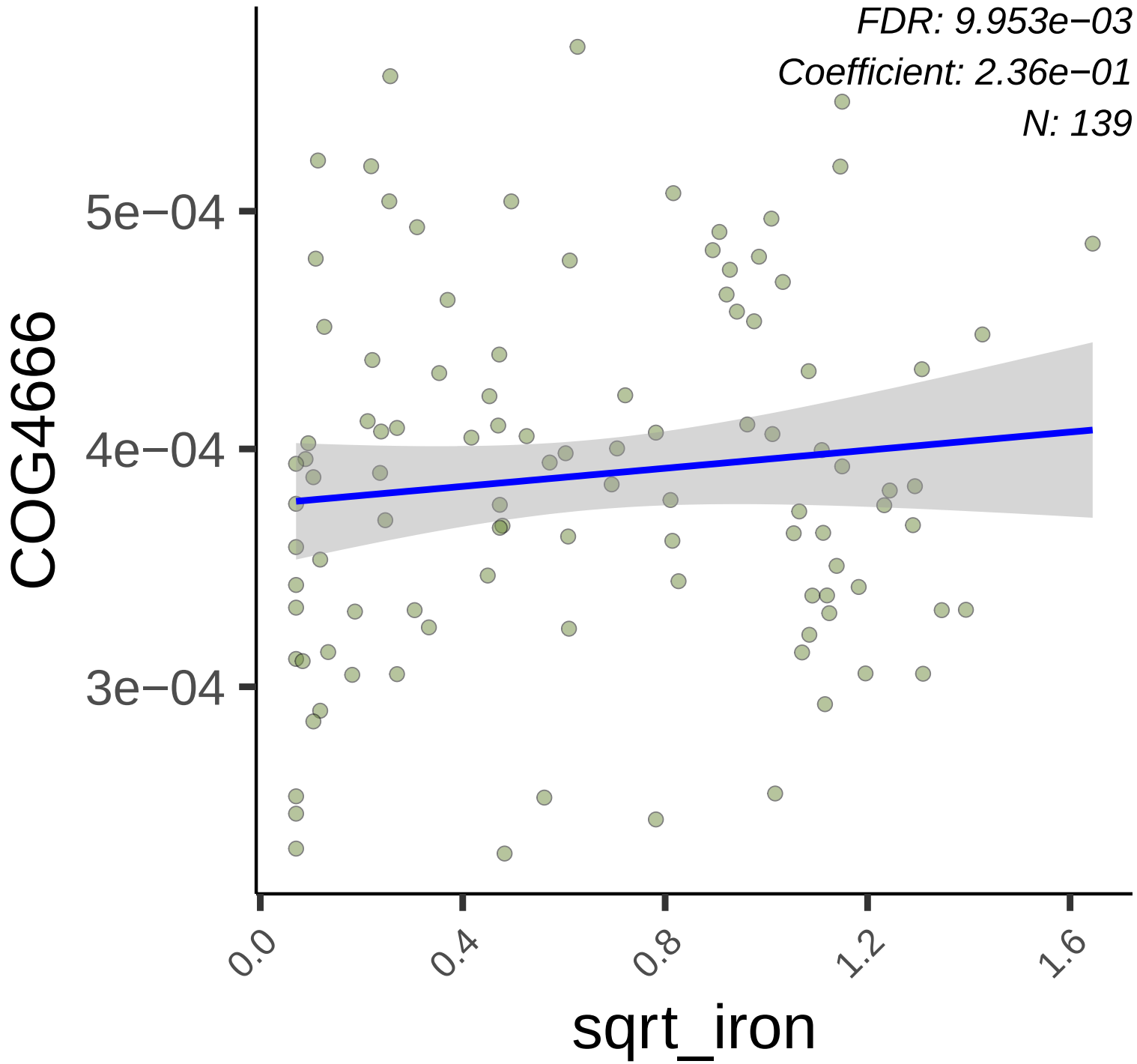
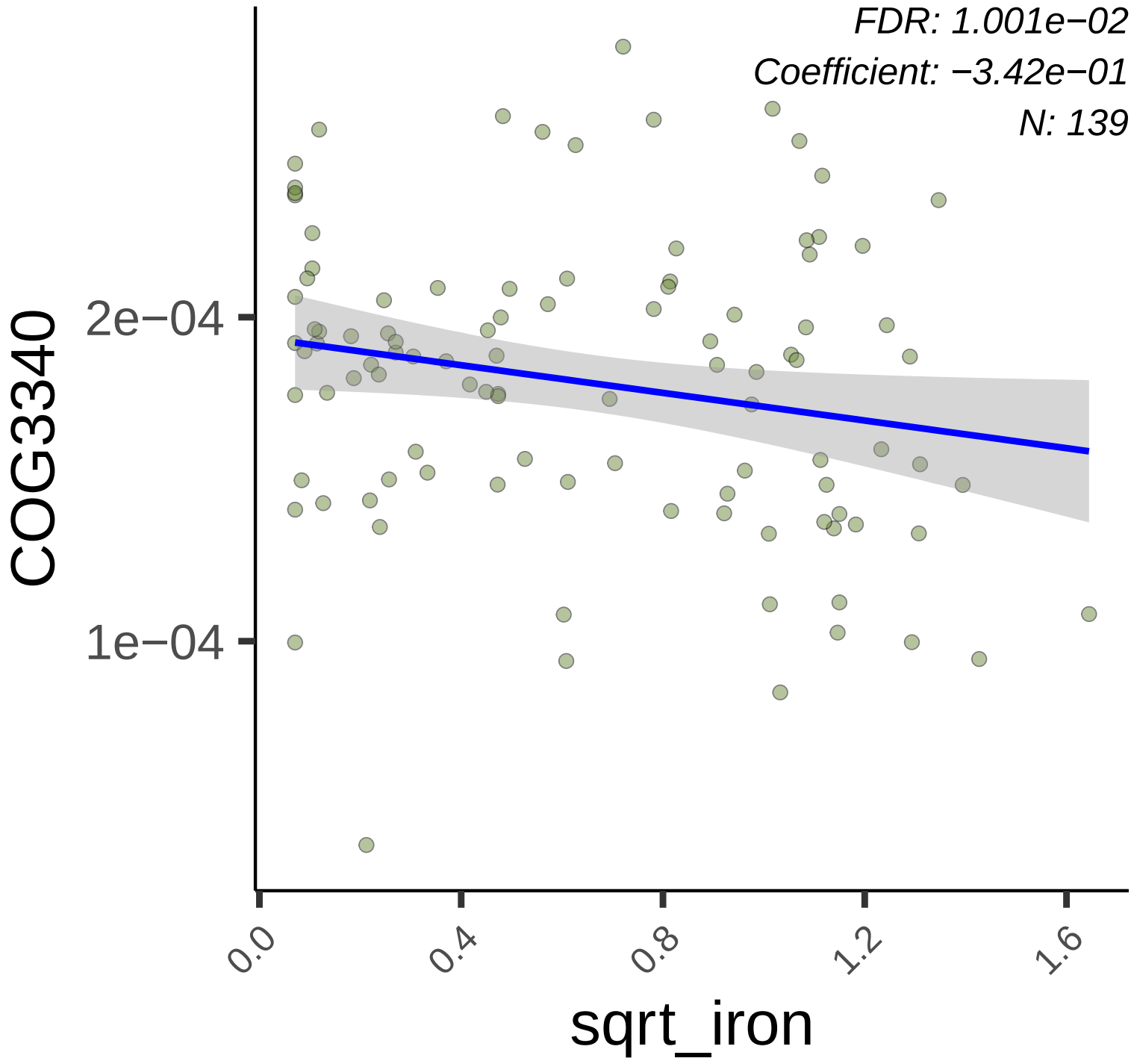
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.953e−03
Coefficient: 2.36e−01
N: 139
COG4666
5e−04
4e−04
3e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.001e−02
Coefficient: −3.42e−01
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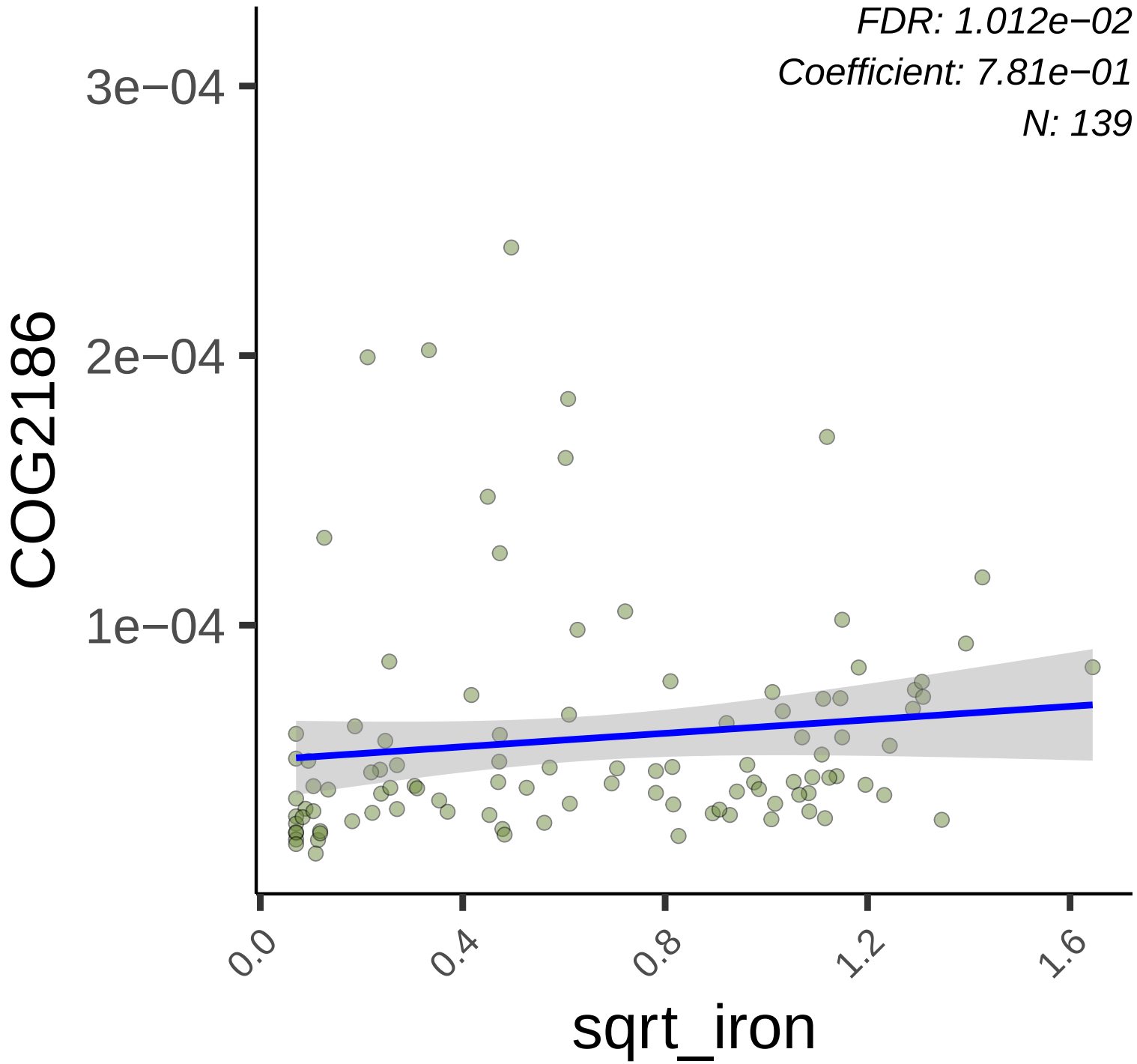
COG3340
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.012e−02
Coefficient: 7.81e−01
N: 139
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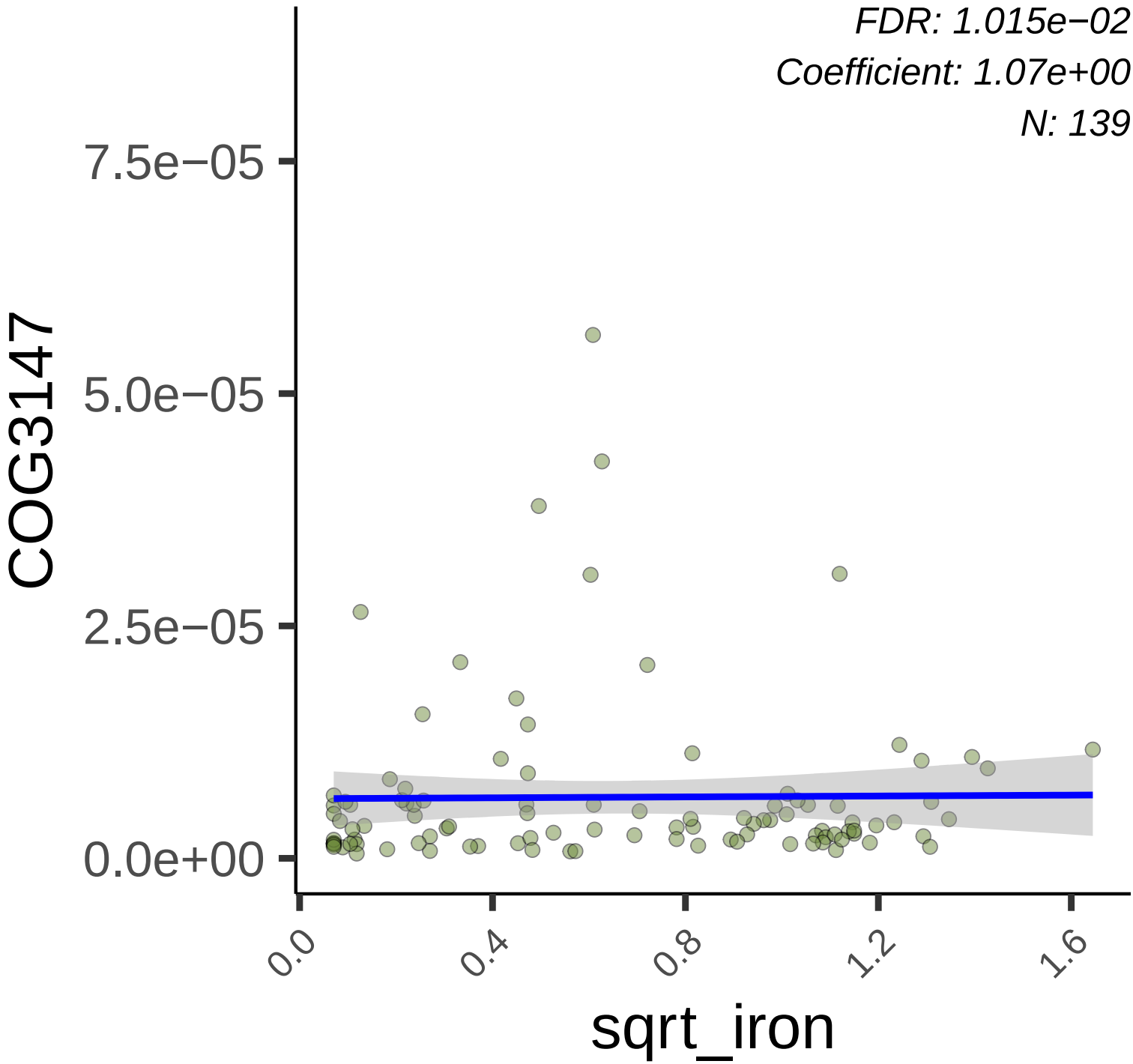
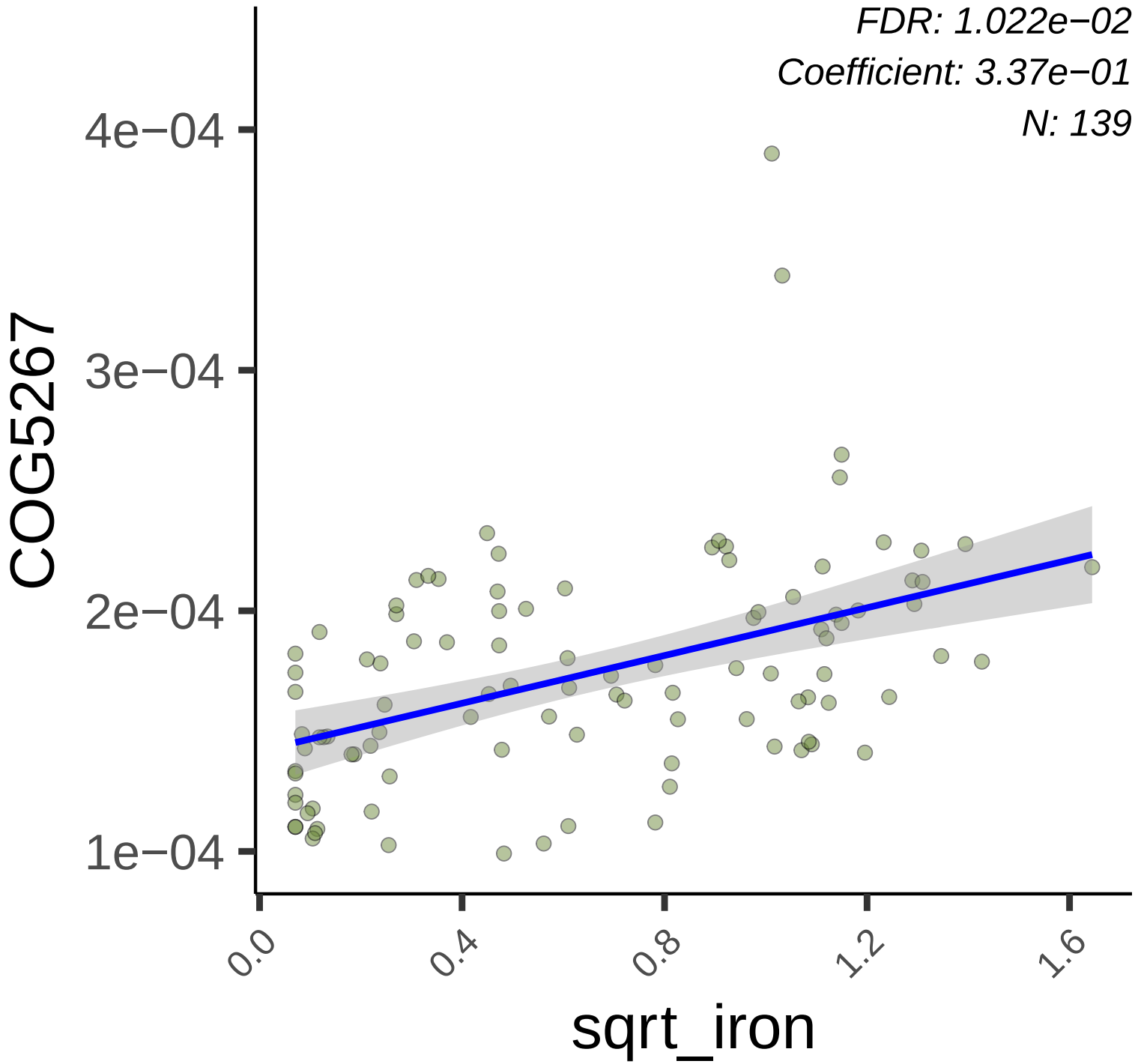
2e−04
1e−04
COG2186
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.015e−02
Coefficient: 1.07e+00
N: 139
COG3147
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.022e−02
Coefficient: 3.37e−01
N: 139
COG5267
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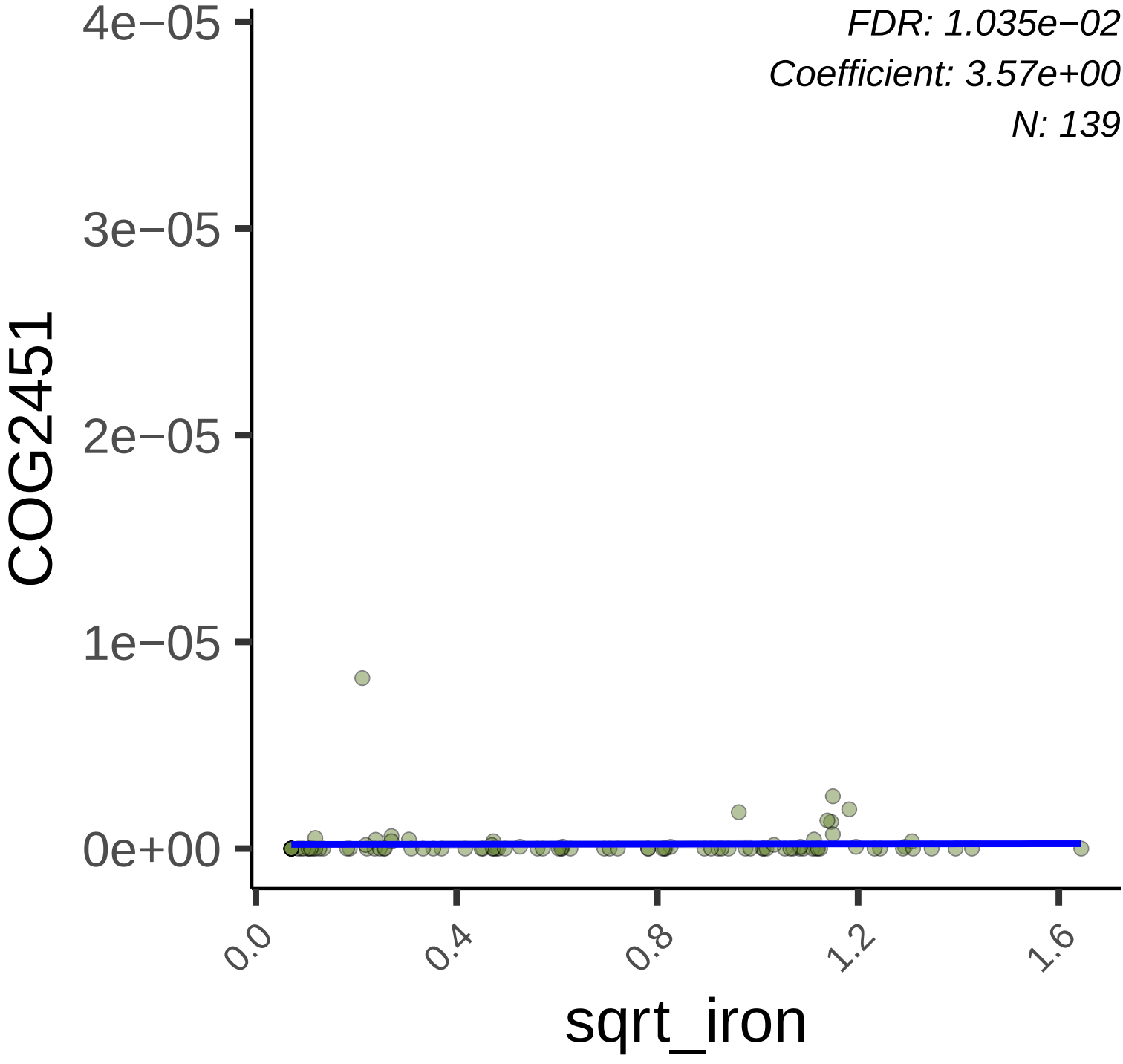
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.035e−02
Coefficient: 3.57e+00
N: 139
4e−05
3e−05
2e−05
1e−05
0e+00
COG2451
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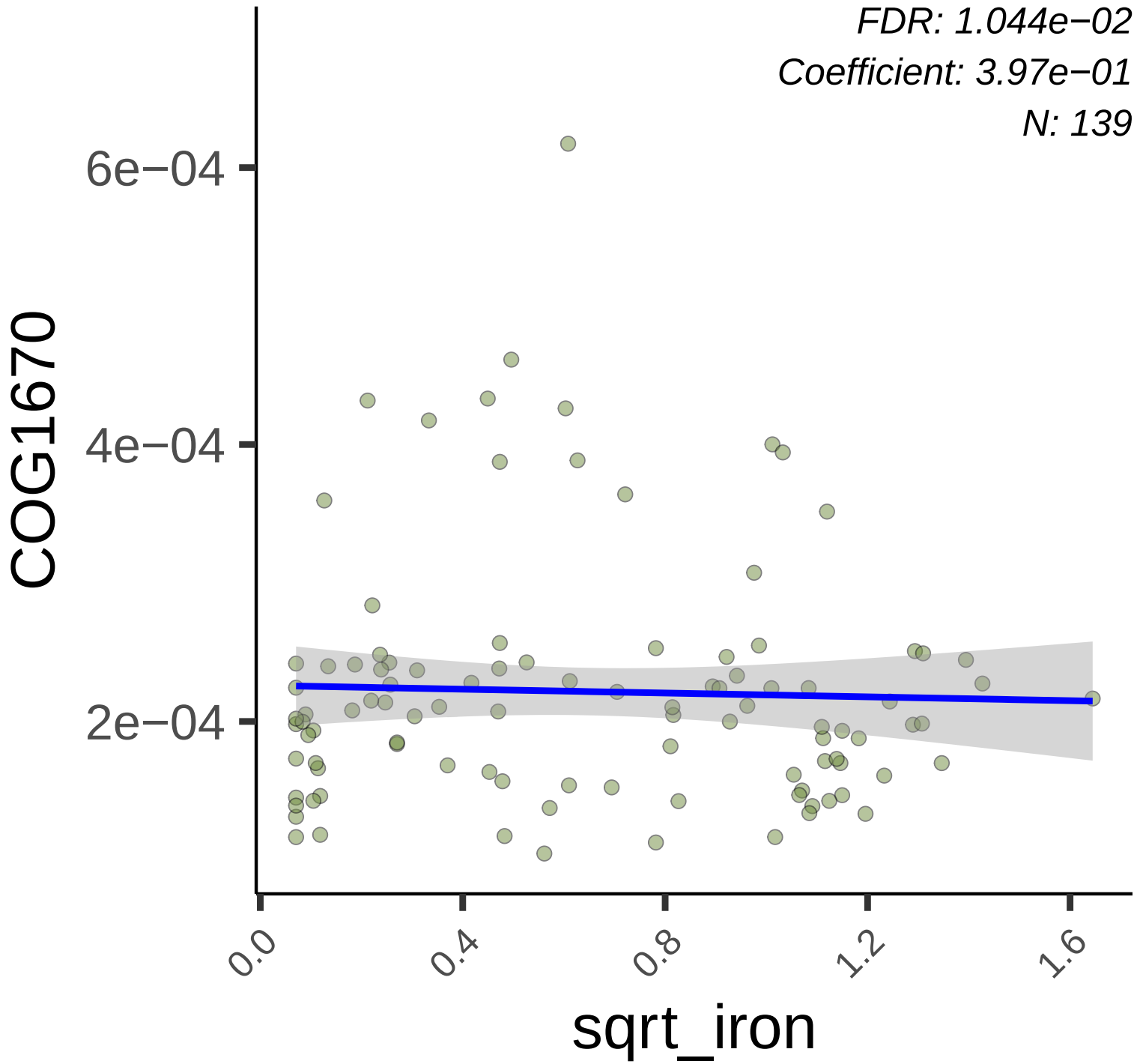
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.044e−02
Coefficient: 3.97e−01
N: 139
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4e−04
2e−04
COG1670
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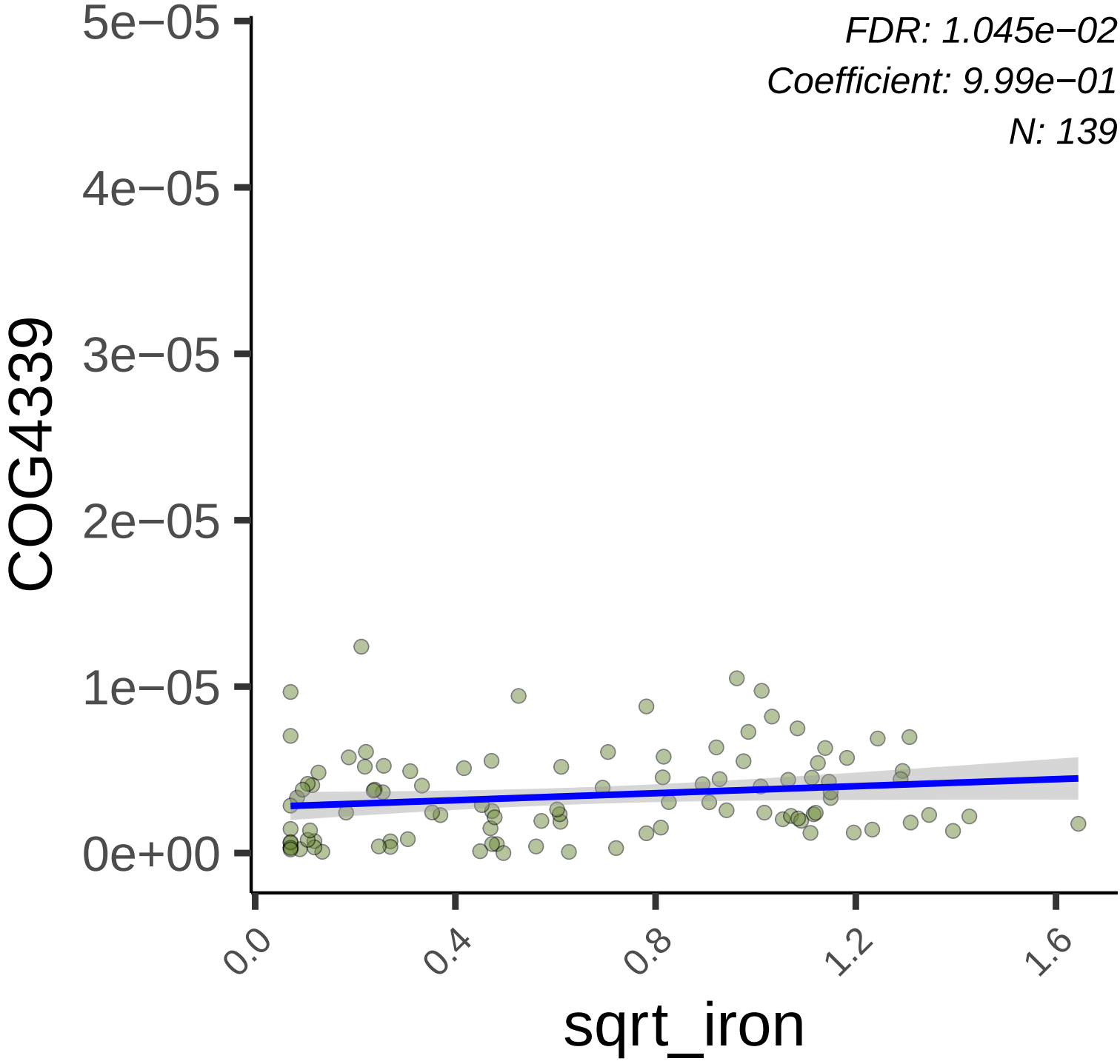
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.045e−02
Coefficient: 9.99e−01
N: 139
COG4339
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2e−05
1e−05
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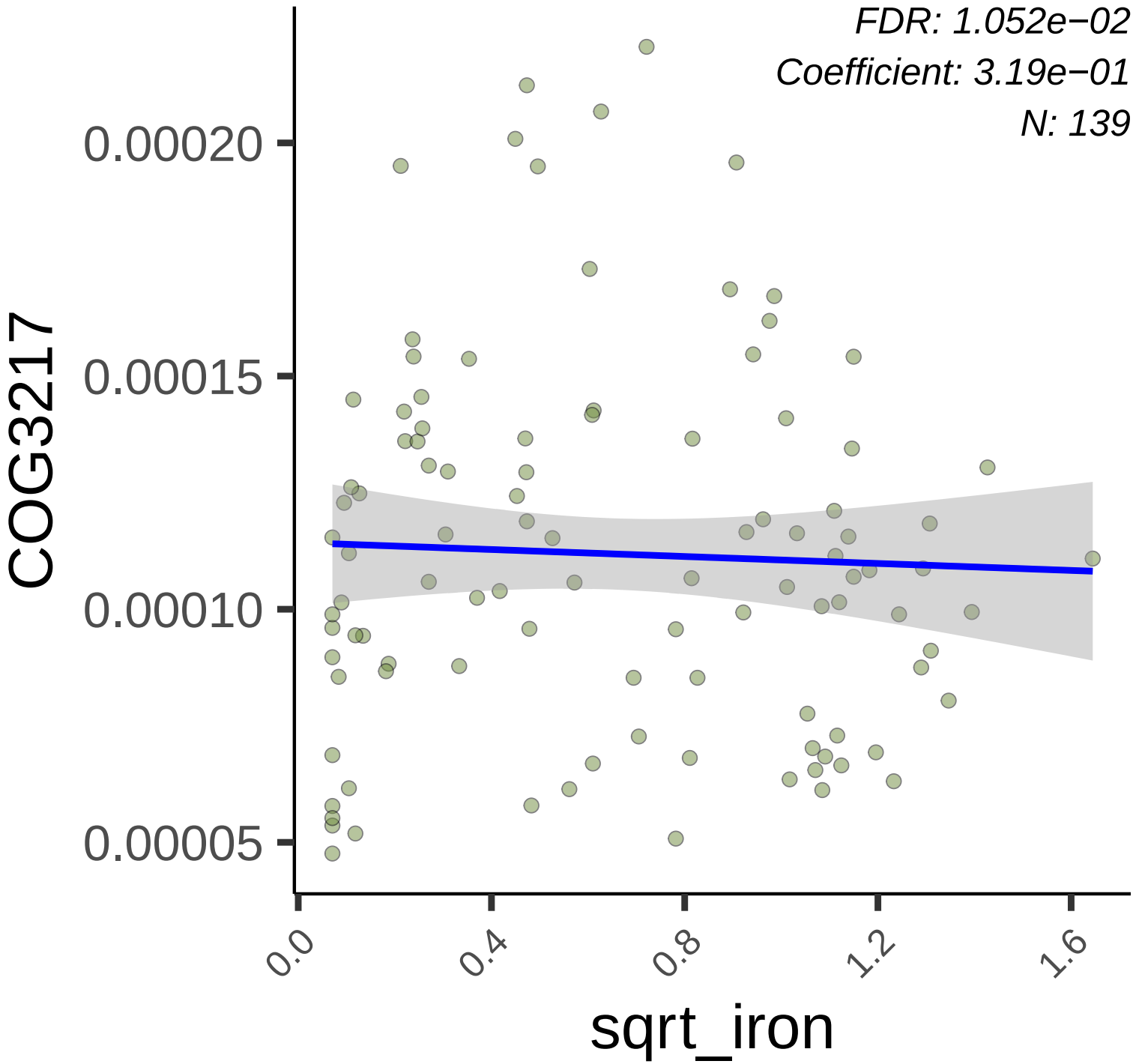
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.052e−02
Coefficient: 3.19e−01
N: 139
COG3217
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0.00015
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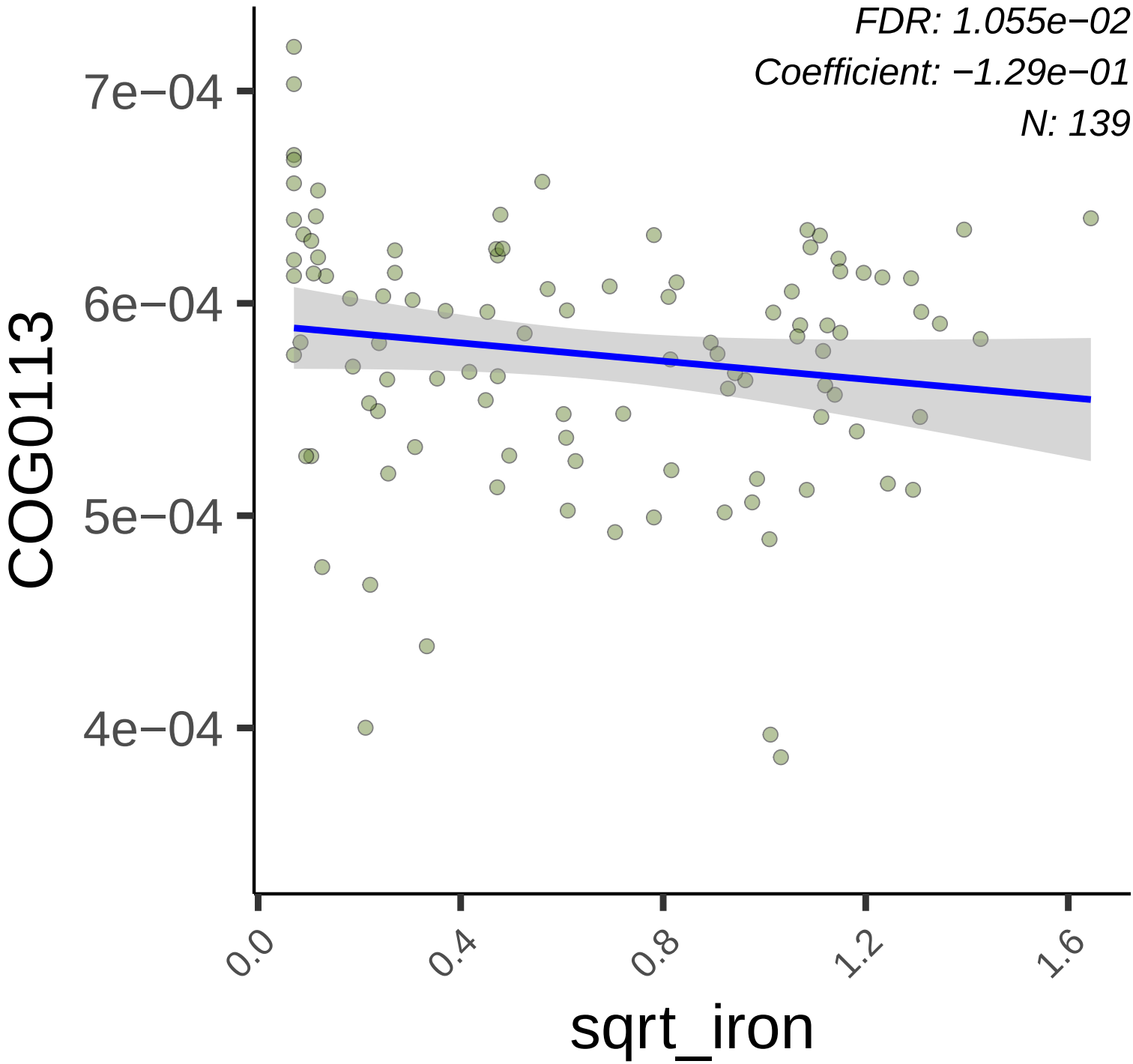
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.055e−02
Coefficient: −1.29e−01
N: 139
7e−04
6e−04
5e−04
4e−04
COG0113
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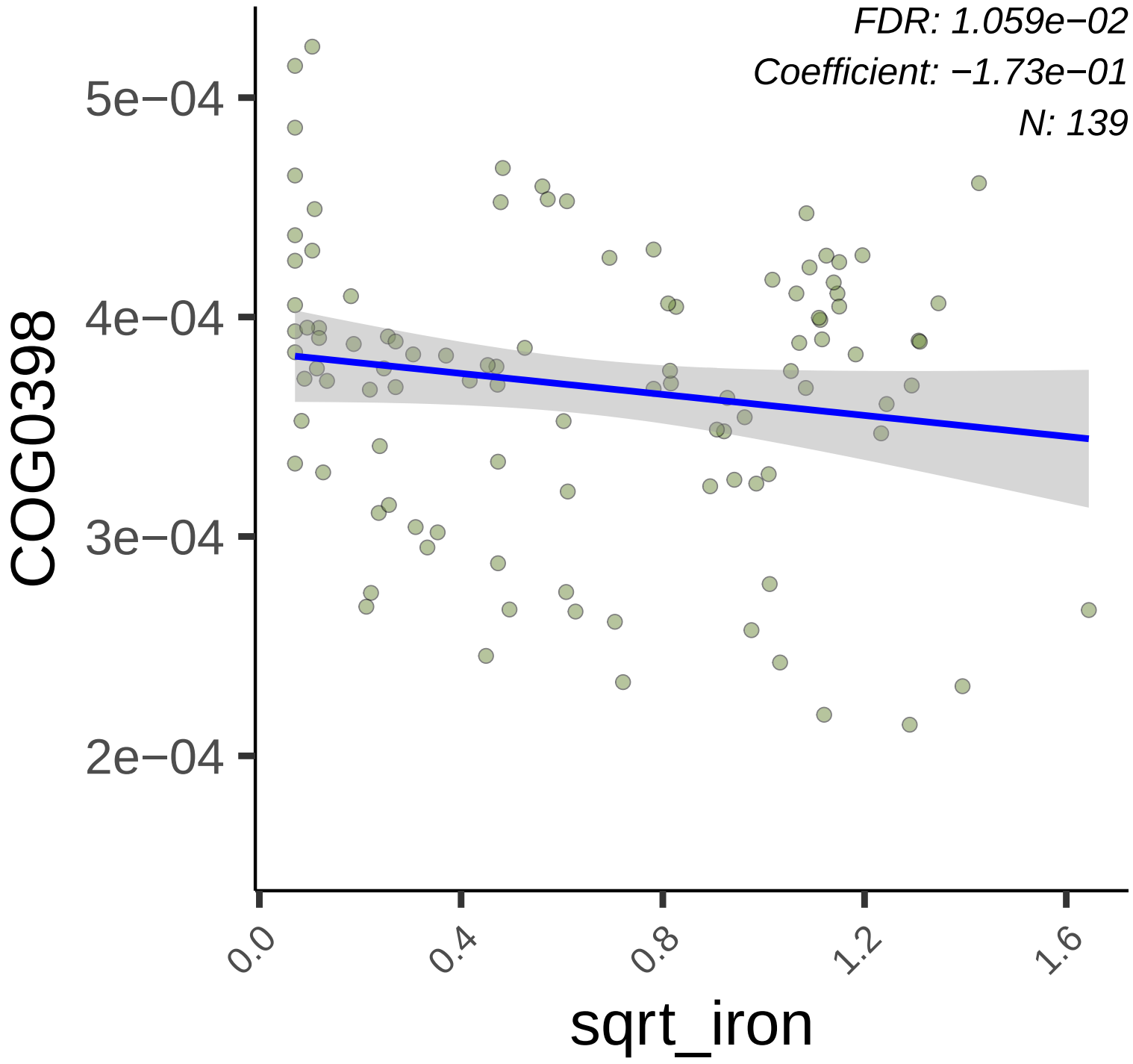
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.059e−02
Coefficient: −1.73e−01
N: 139
COG0398
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4e−04
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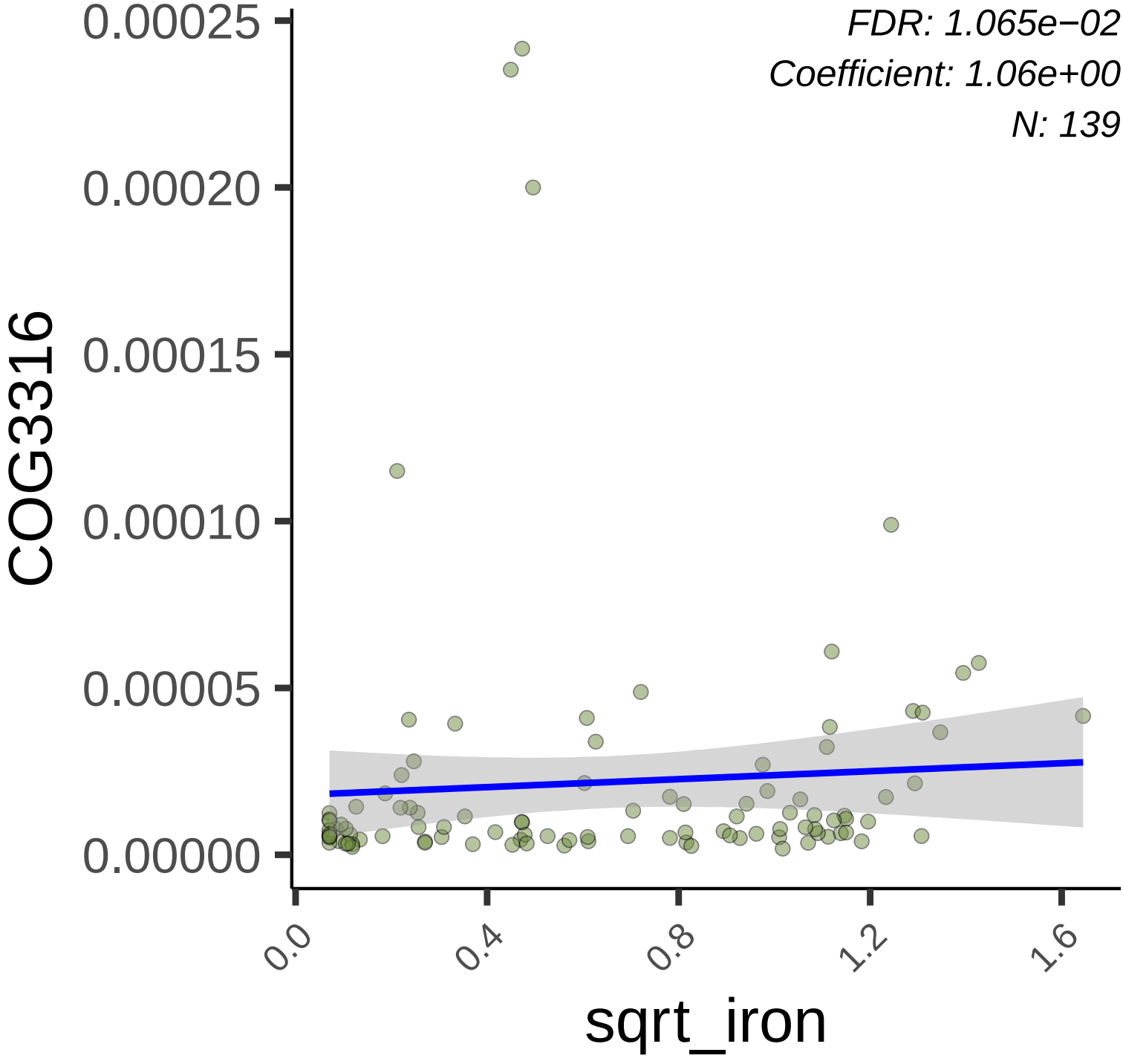
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.065e−02
Coefficient: 1.06e+00
N: 139
COG3316
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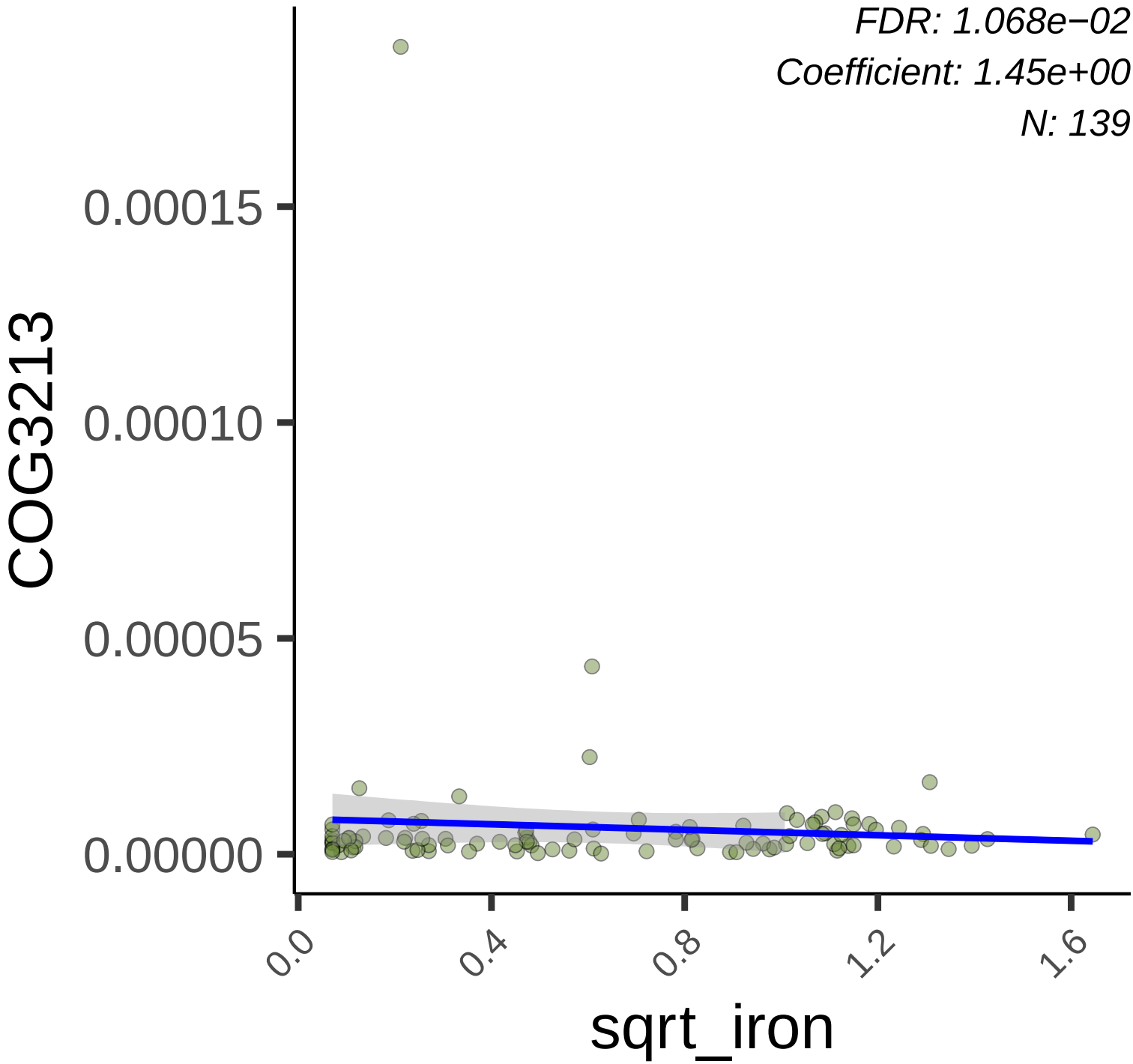
1.6
sqrt_iron


FDR: 1.068e−02
Coefficient: 1.45e+00
N: 139
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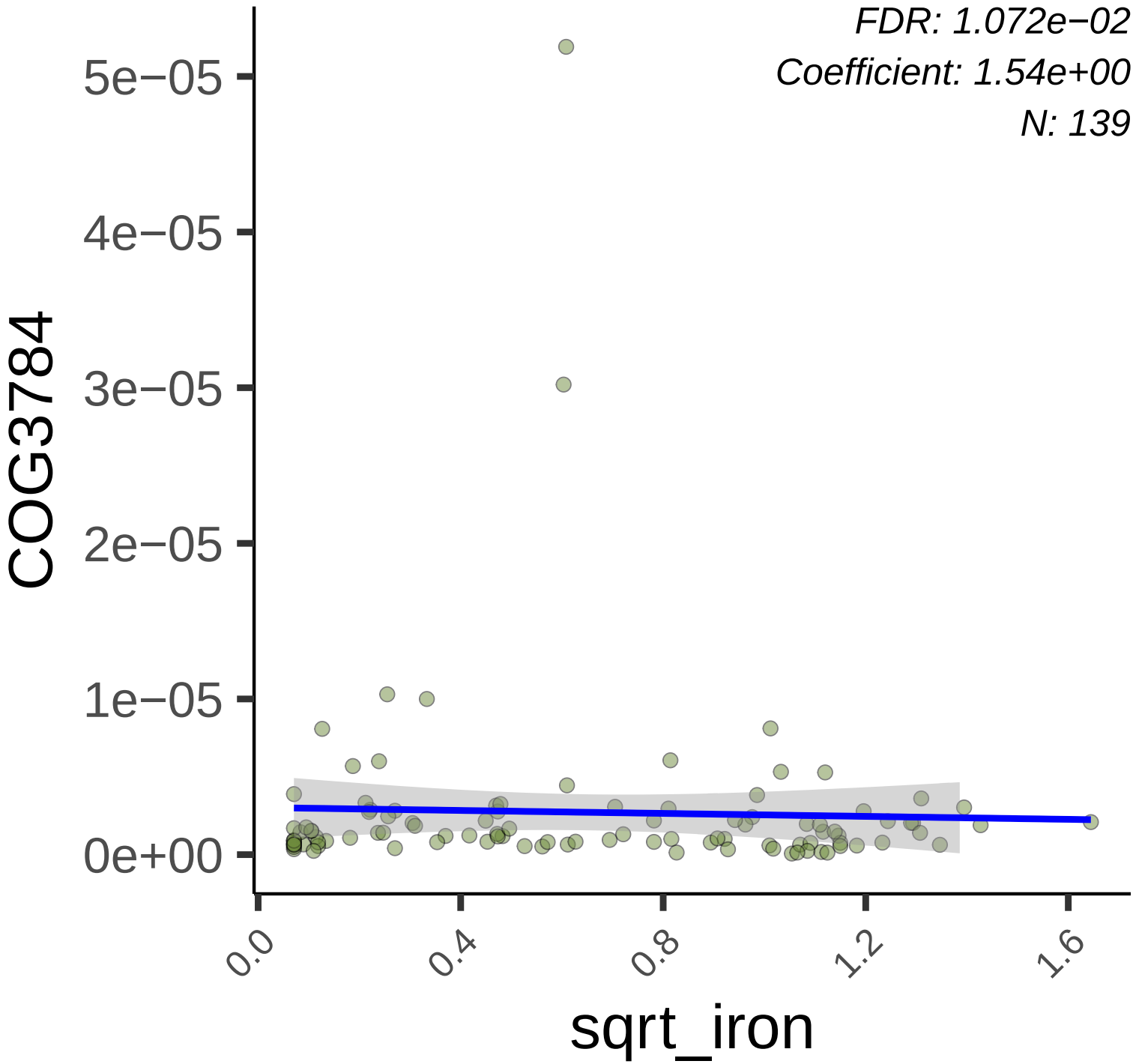
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.072e−02
Coefficient: 1.54e+00
N: 139
COG3784
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4e−05
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2e−05
1e−05
0e+00
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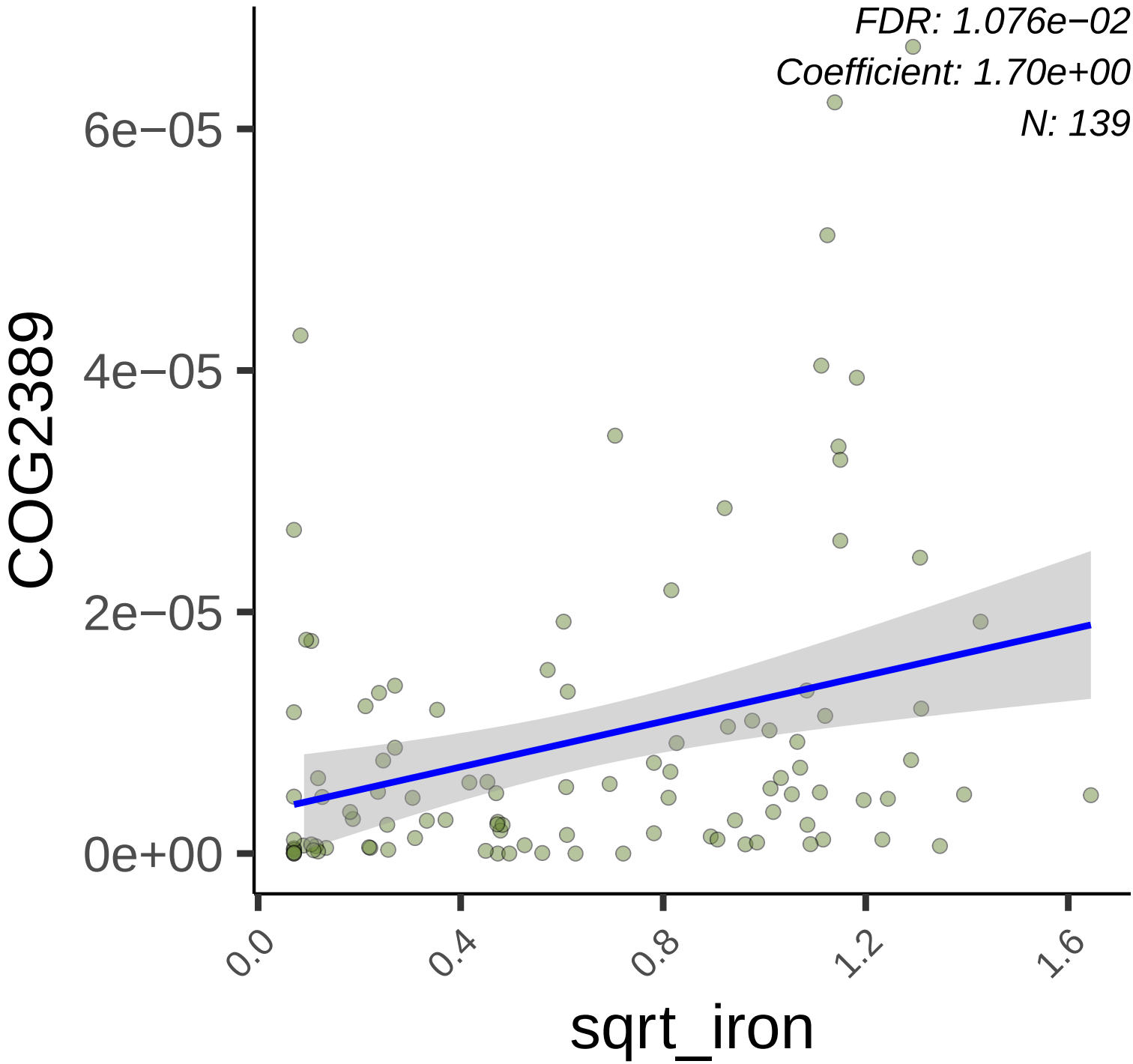
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.076e−02
Coefficient: 1.70e+00
N: 139
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4e−05
2e−05
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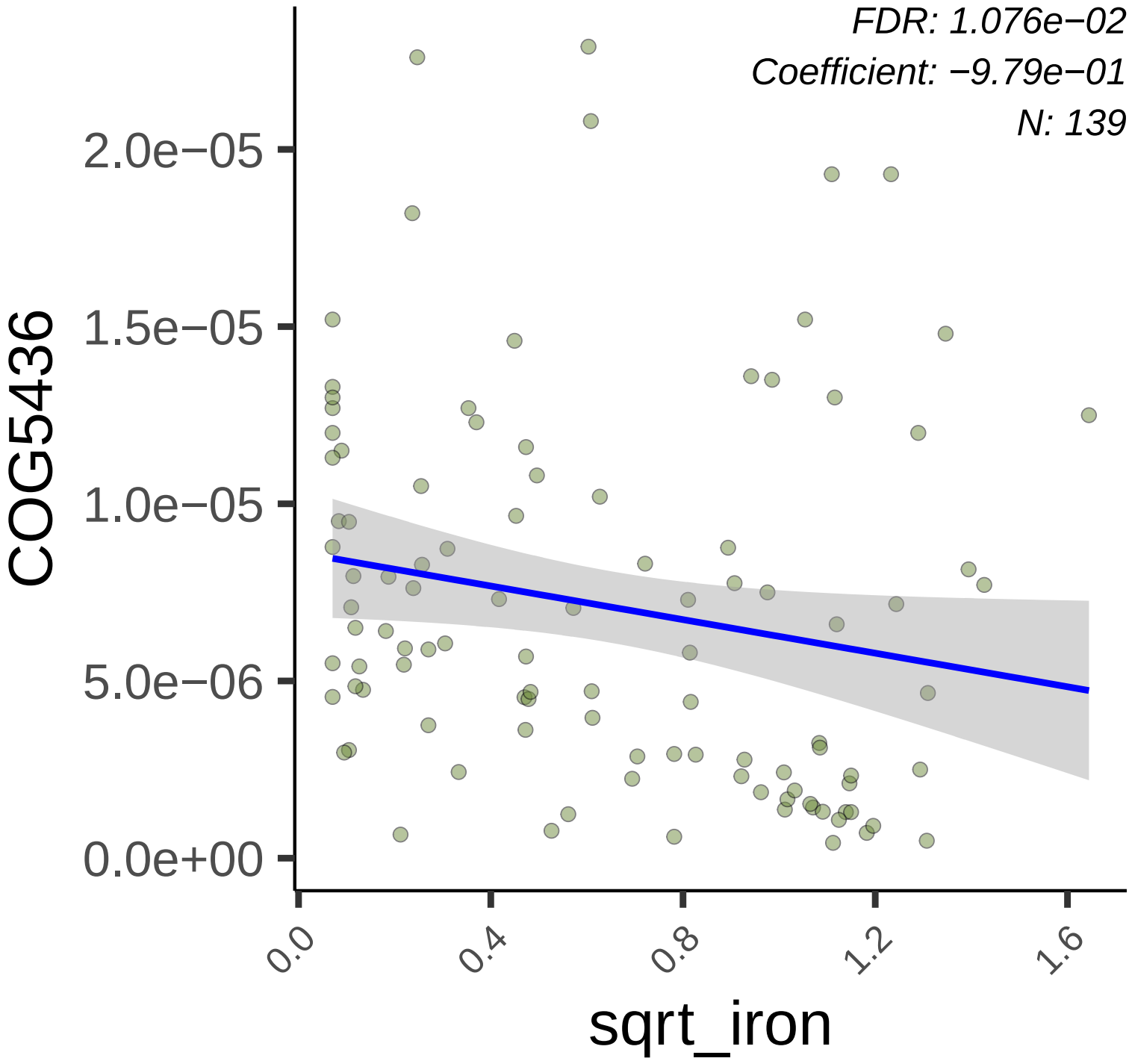
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.076e−02
Coefficient: −9.79e−01
N: 139
COG5436
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1.5e−05
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5.0e−06
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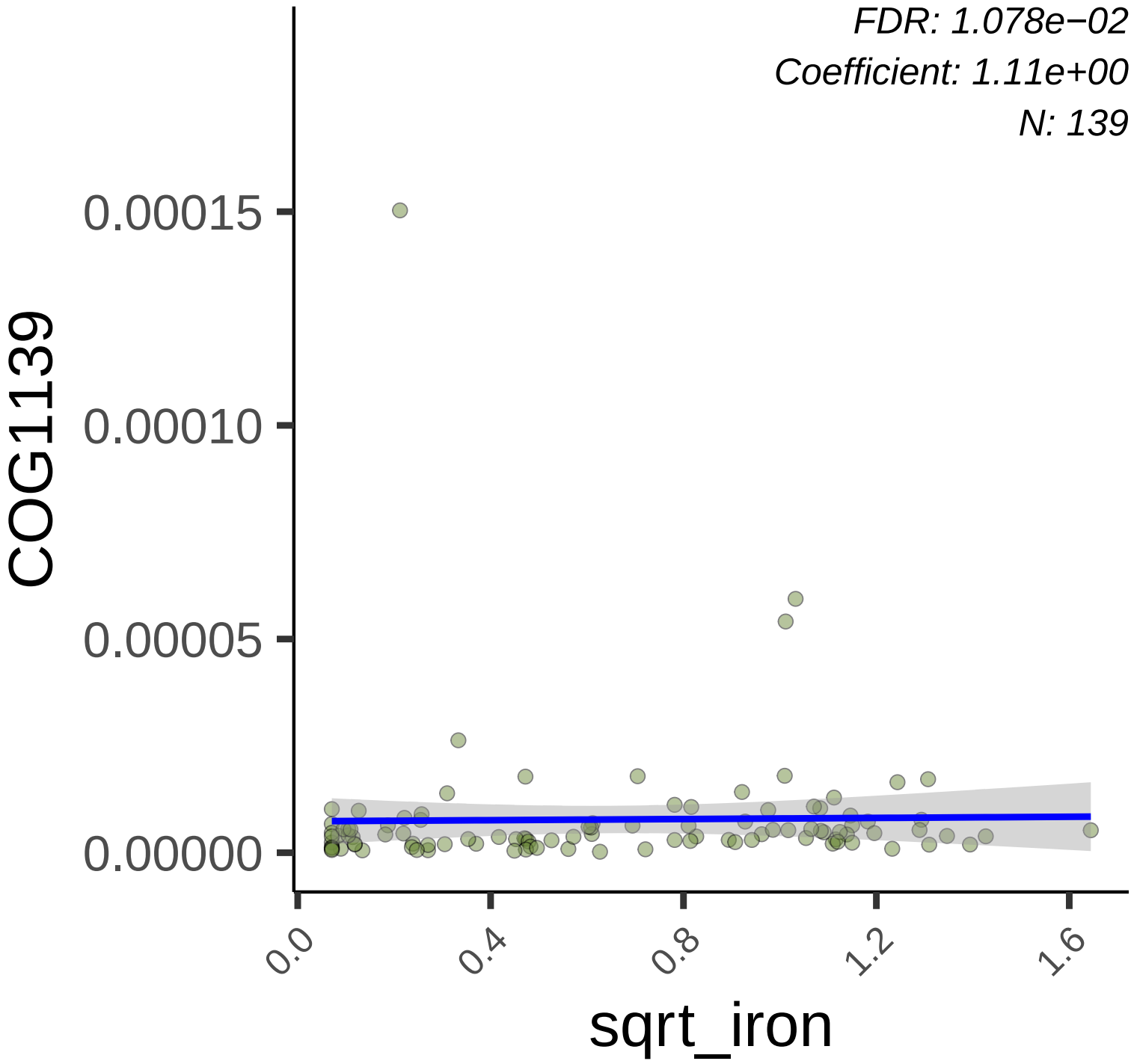
0.8
1.2
1.6
sqrt_iron


FDR: 1.078e−02
Coefficient: 1.11e+00
N: 139
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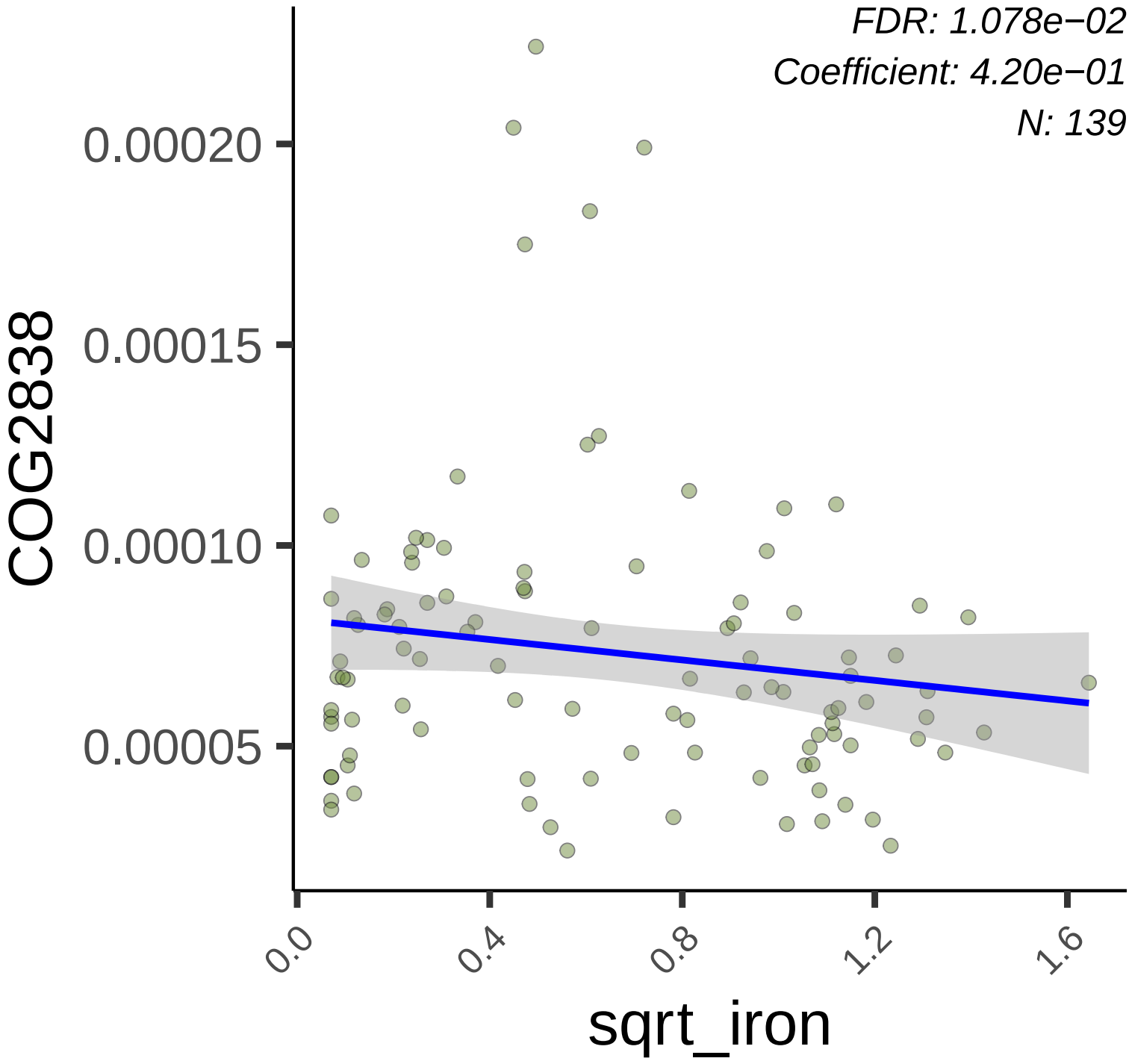
1.6
sqrt_iron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Coefficient: 4.20e−01
N: 139
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0.4
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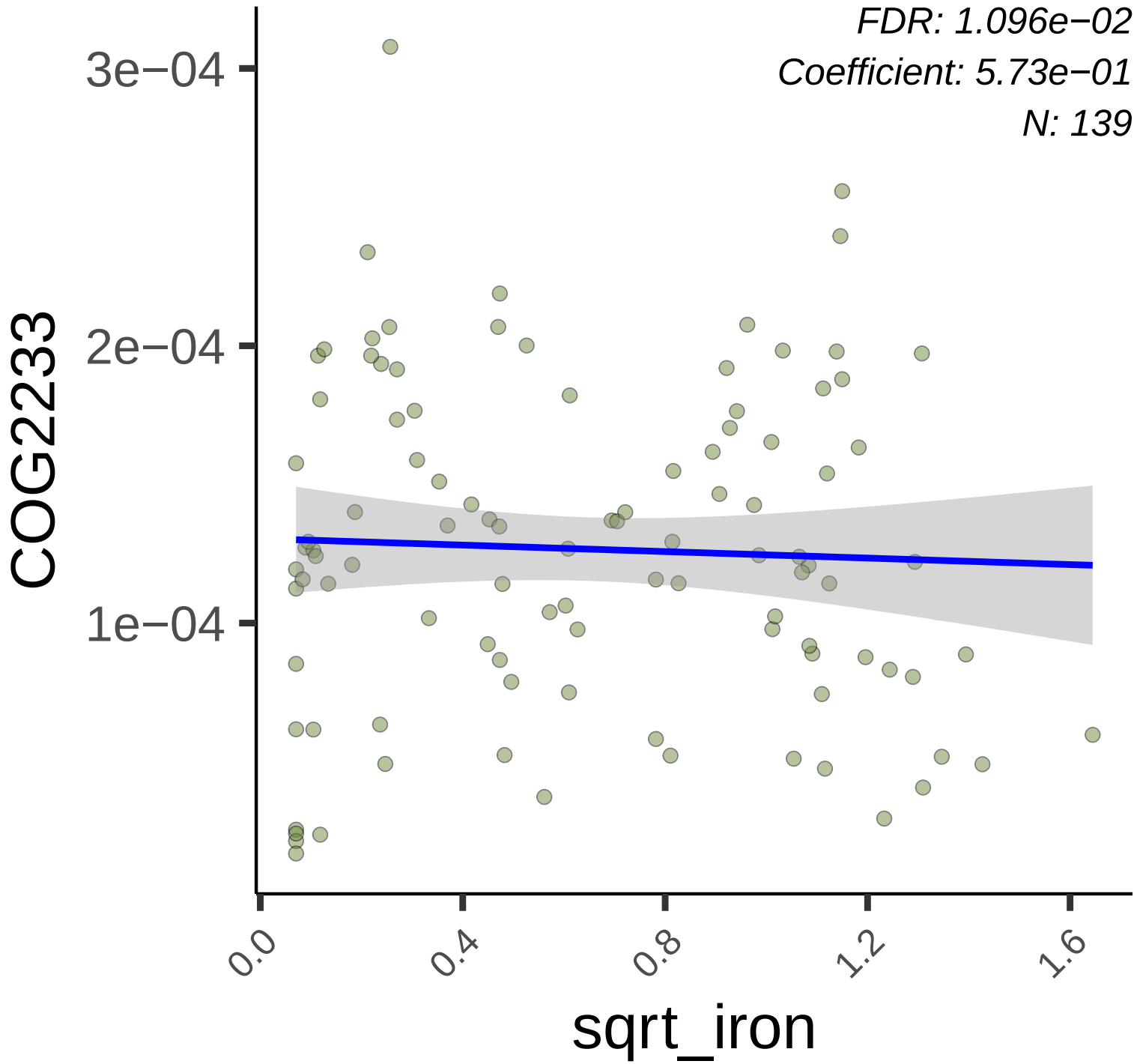
1.6
sqrt_iron


FDR: 1.096e−02
Coefficient: 5.73e−01
N: 139
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2e−04
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COG2233
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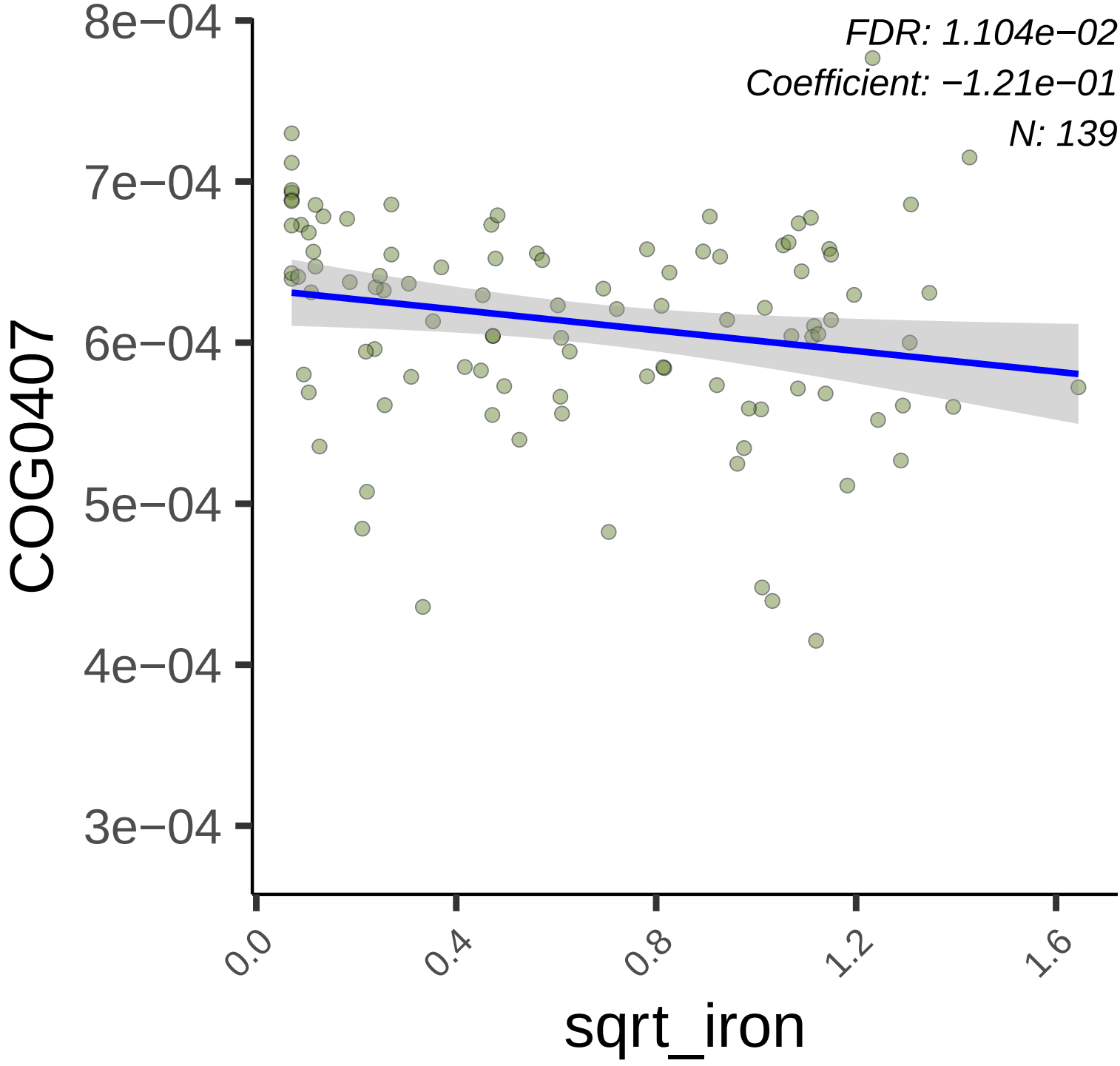
1.2
1.6
sqrt_iron


FDR: 1.104e−02
Coefficient: −1.21e−01
N: 139
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7e−04
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4e−04
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0.4
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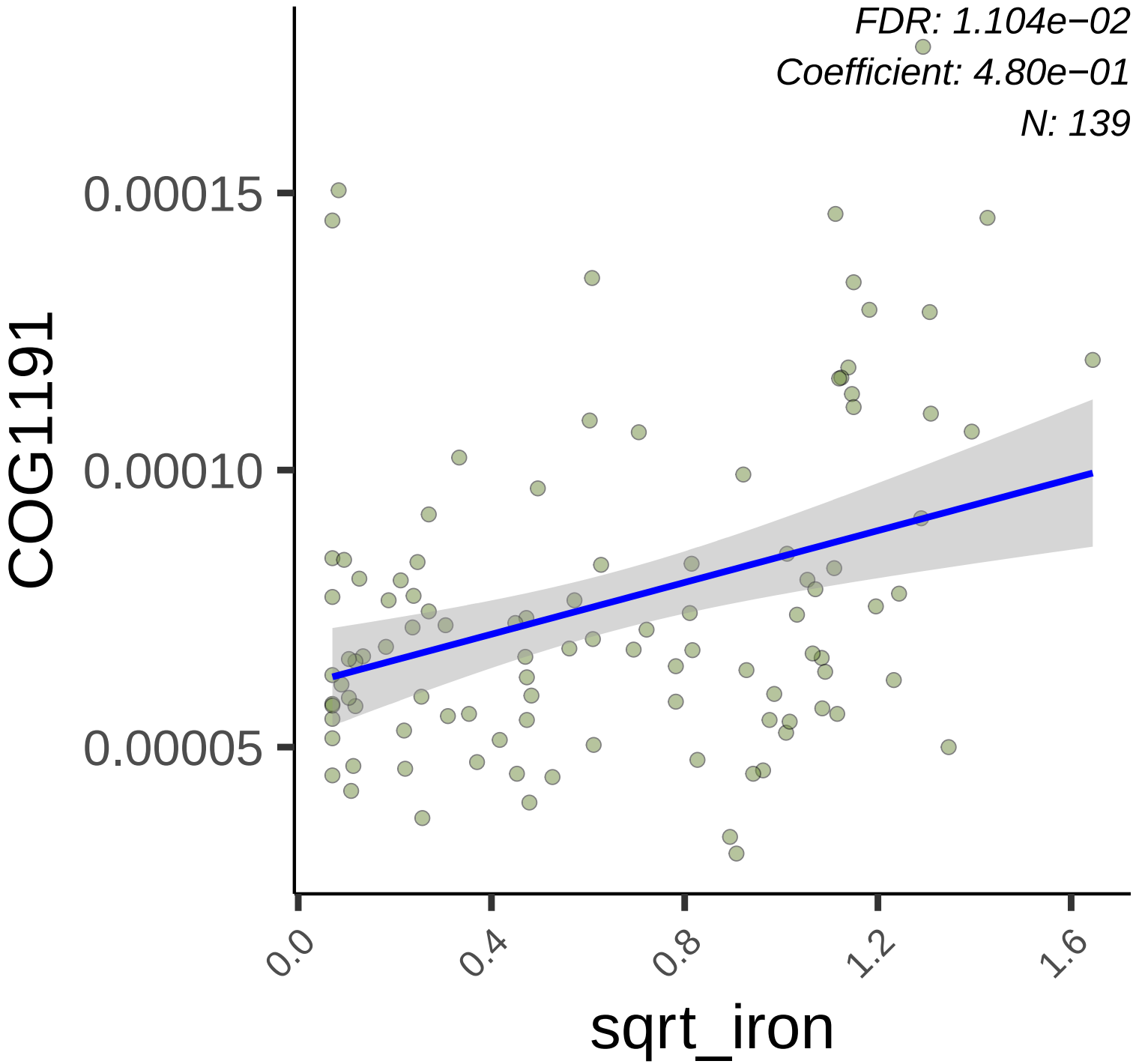
1.2
1.6
sqrt_iron


FDR: 1.104e−02
Coefficient: 4.80e−01
N: 139
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COG1191
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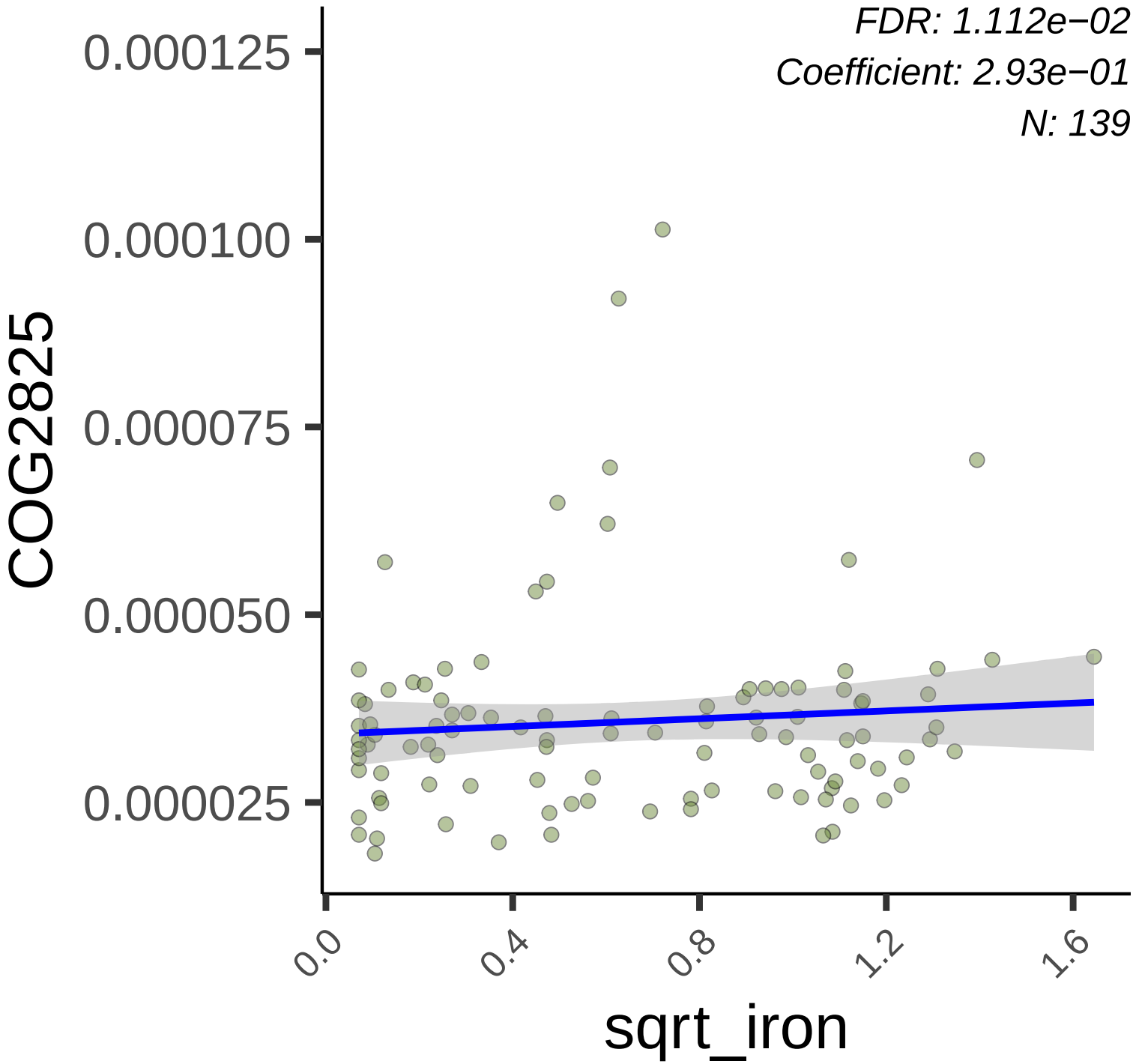
1.2
1.6
sqrt_iron


FDR: 1.112e−02
Coefficient: 2.93e−01
N: 139
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COG2825
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0.8
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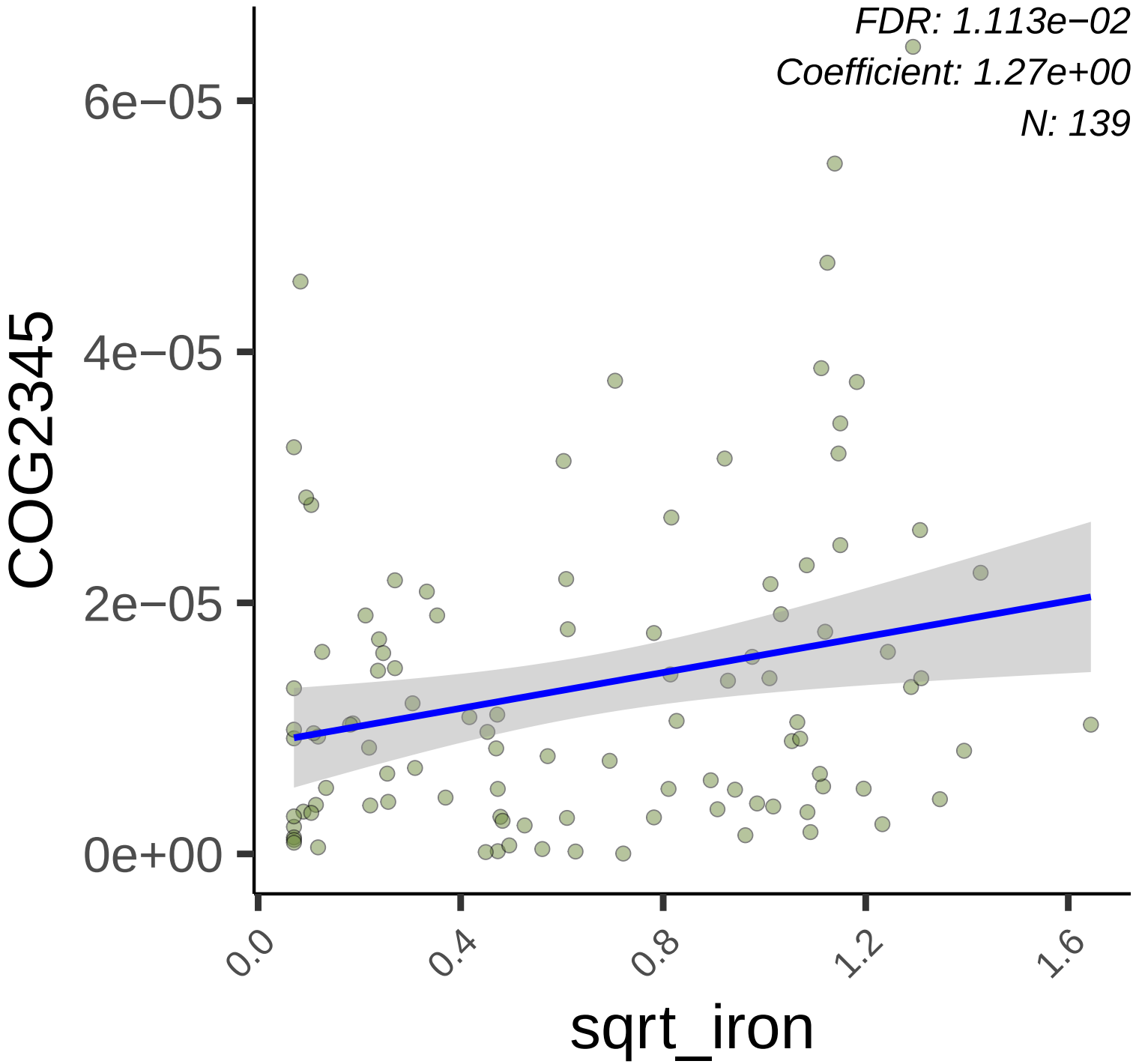
1.6
sqrt_iron


FDR: 1.113e−02
Coefficient: 1.27e+00
N: 139
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2e−05
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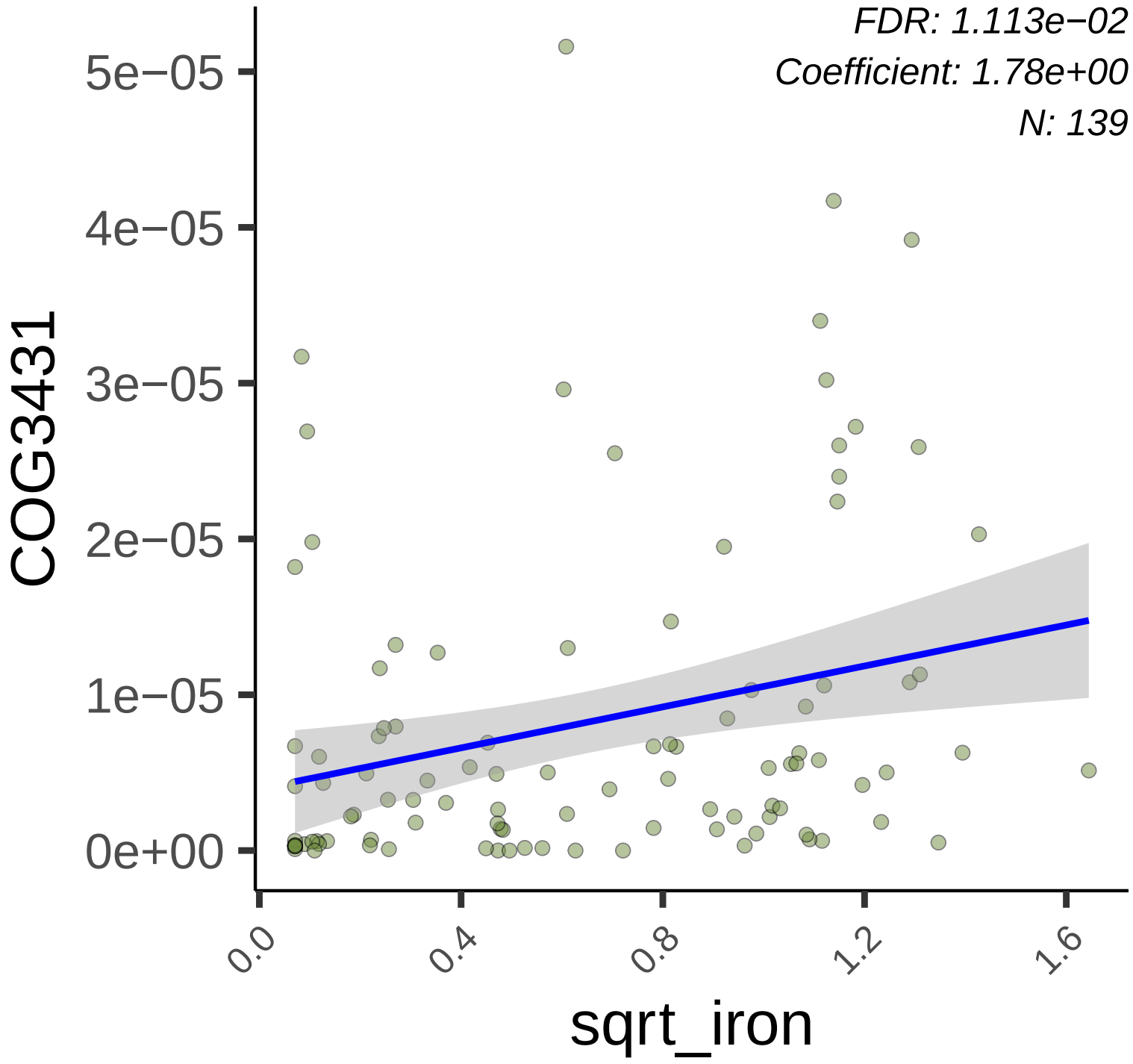
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.113e−02
Coefficient: 1.78e+00
N: 139
COG3431
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0.4
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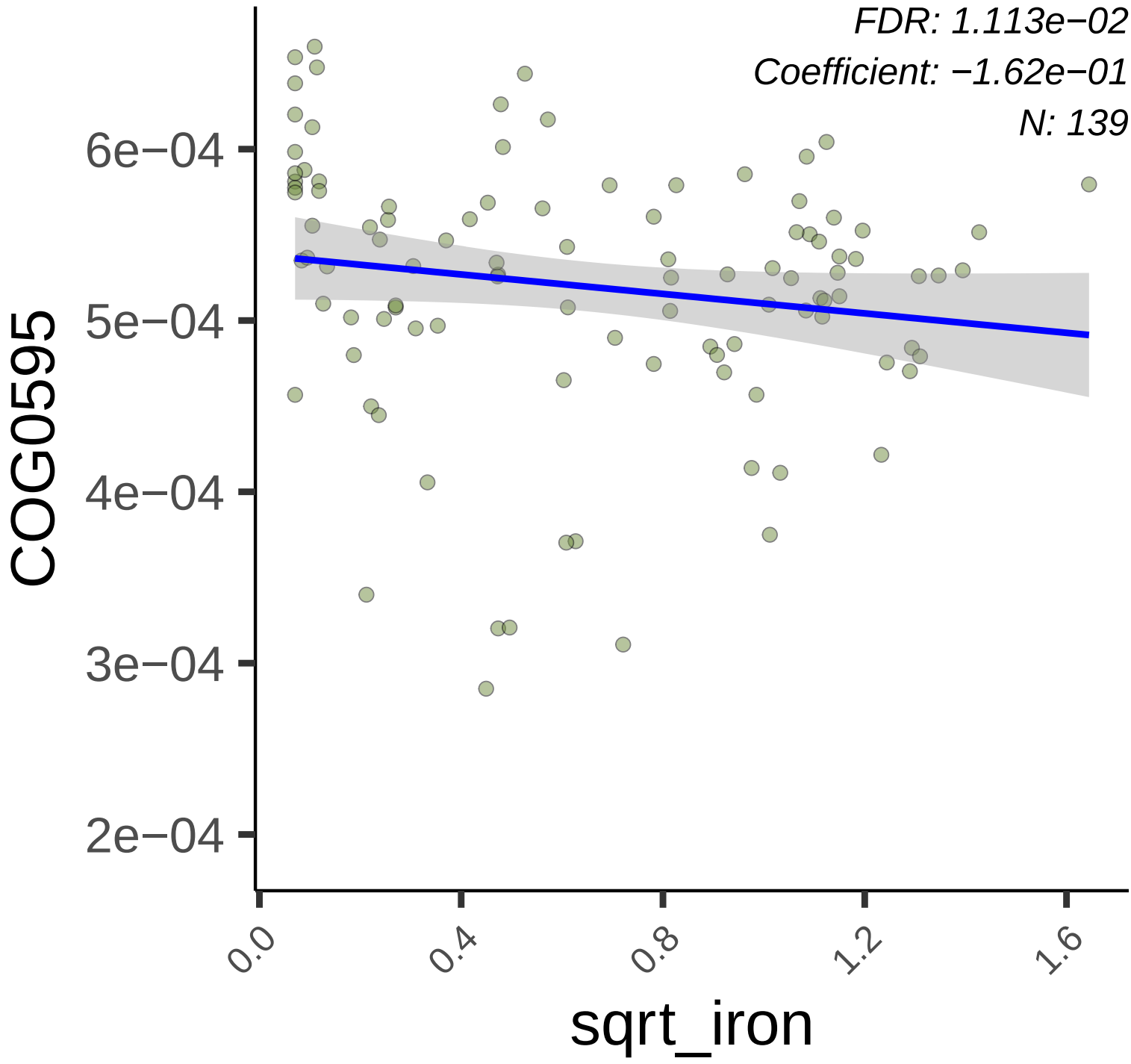
1.2
1.6
sqrt_iron


FDR: 1.113e−02
Coefficient: −1.62e−01
N: 139
COG0595
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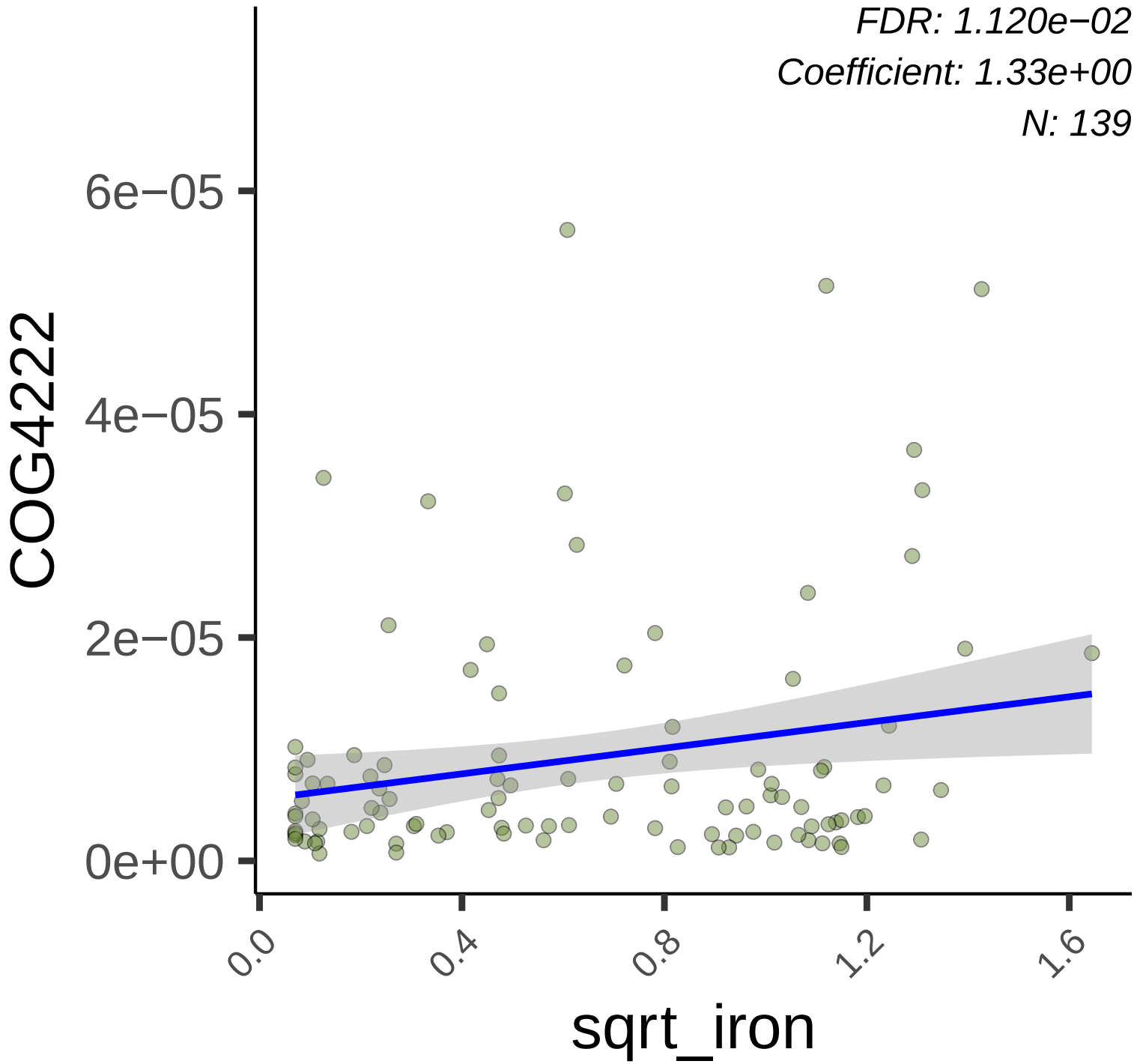
4e−04
3e−04
2e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.120e−02
Coefficient: 1.33e+00
N: 139
COG4222
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0.4
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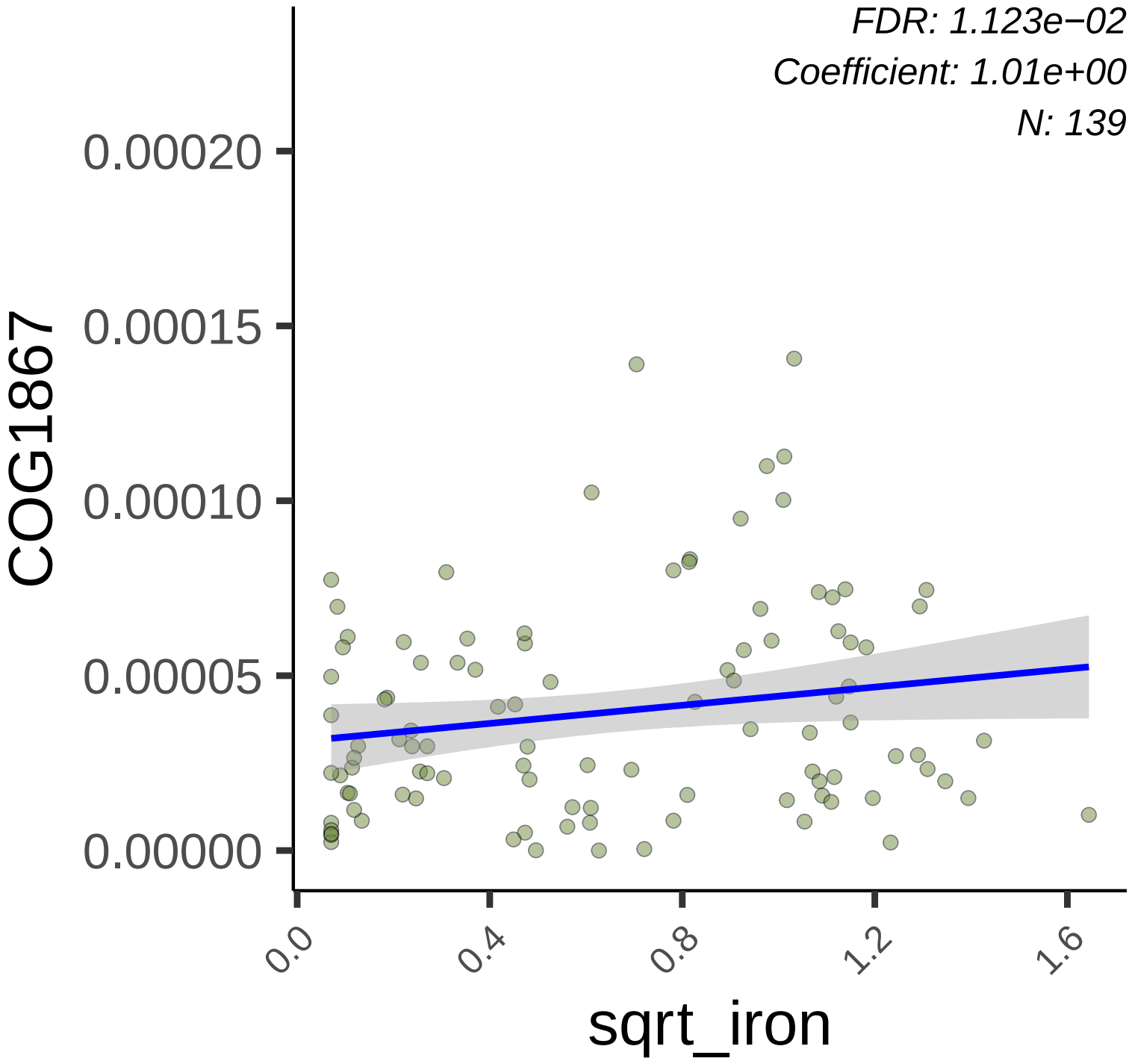
sqrt_iron


FDR: 1.123e−02
Coefficient: 1.01e+00
N: 139
COG1867
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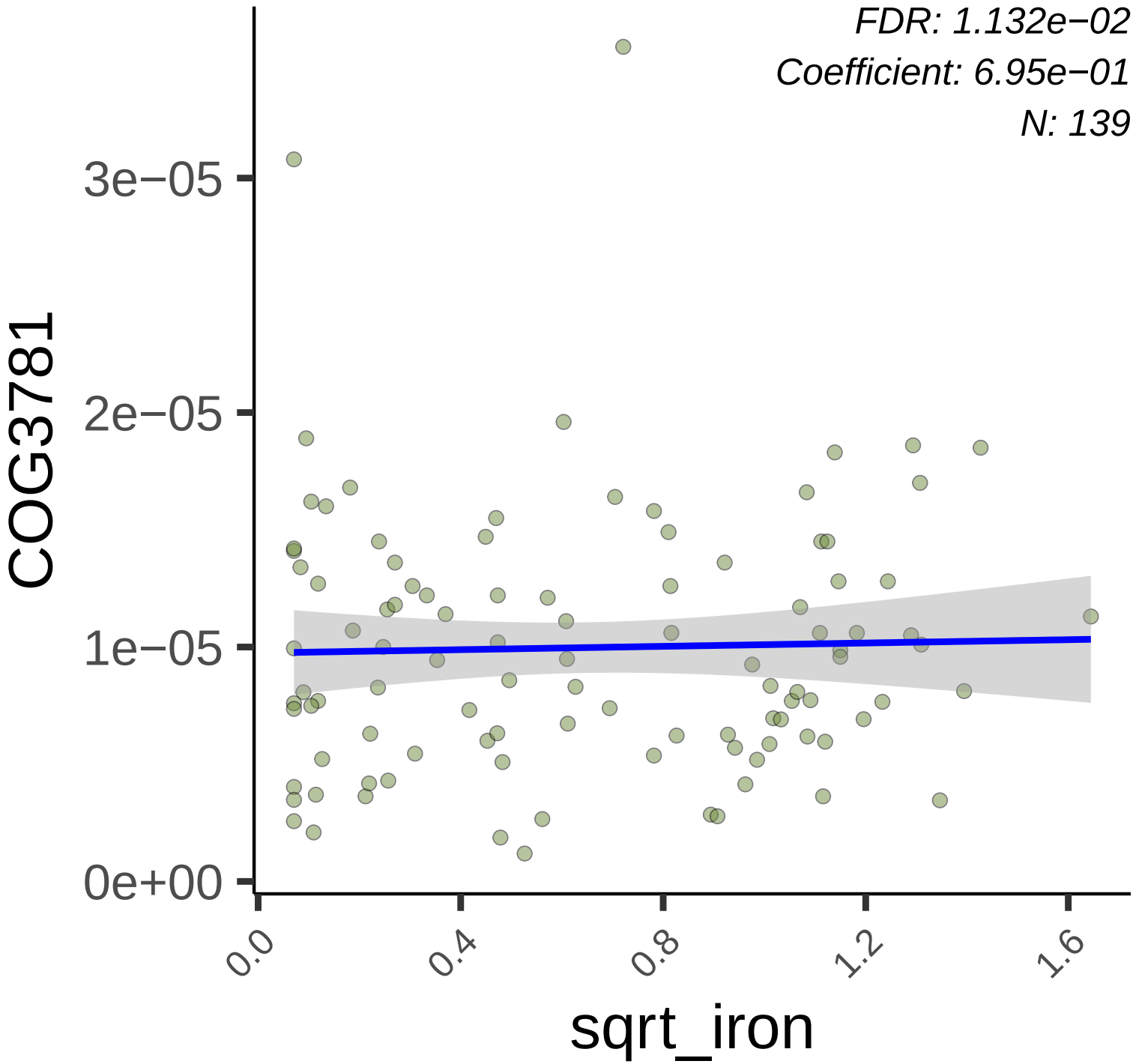
sqrt_iron


FDR: 1.132e−02
Coefficient: 6.95e−01
N: 139
COG3781
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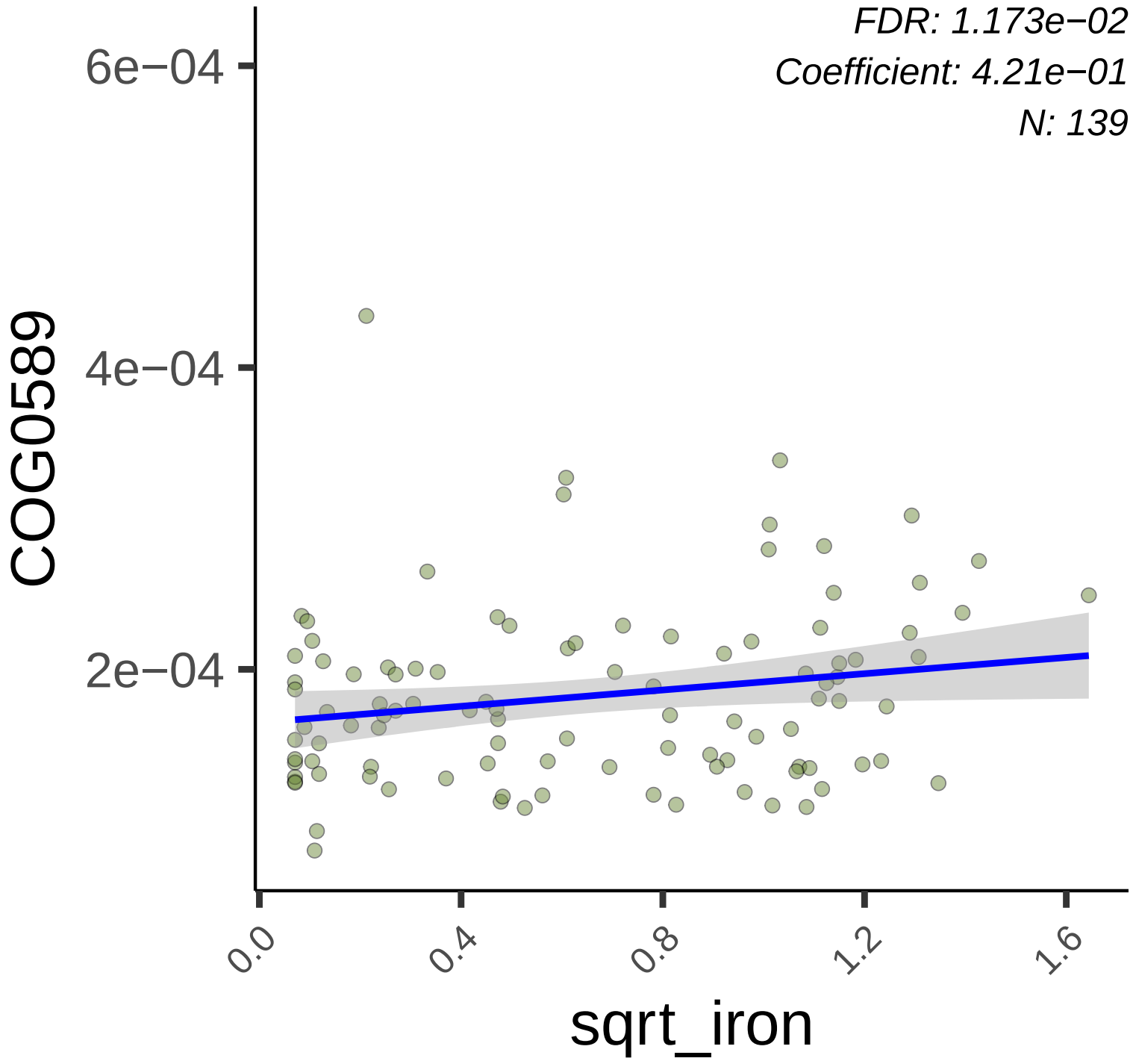
1.6
sqrt_iron


FDR: 1.173e−02
Coefficient: 4.21e−01
N: 139
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COG0589
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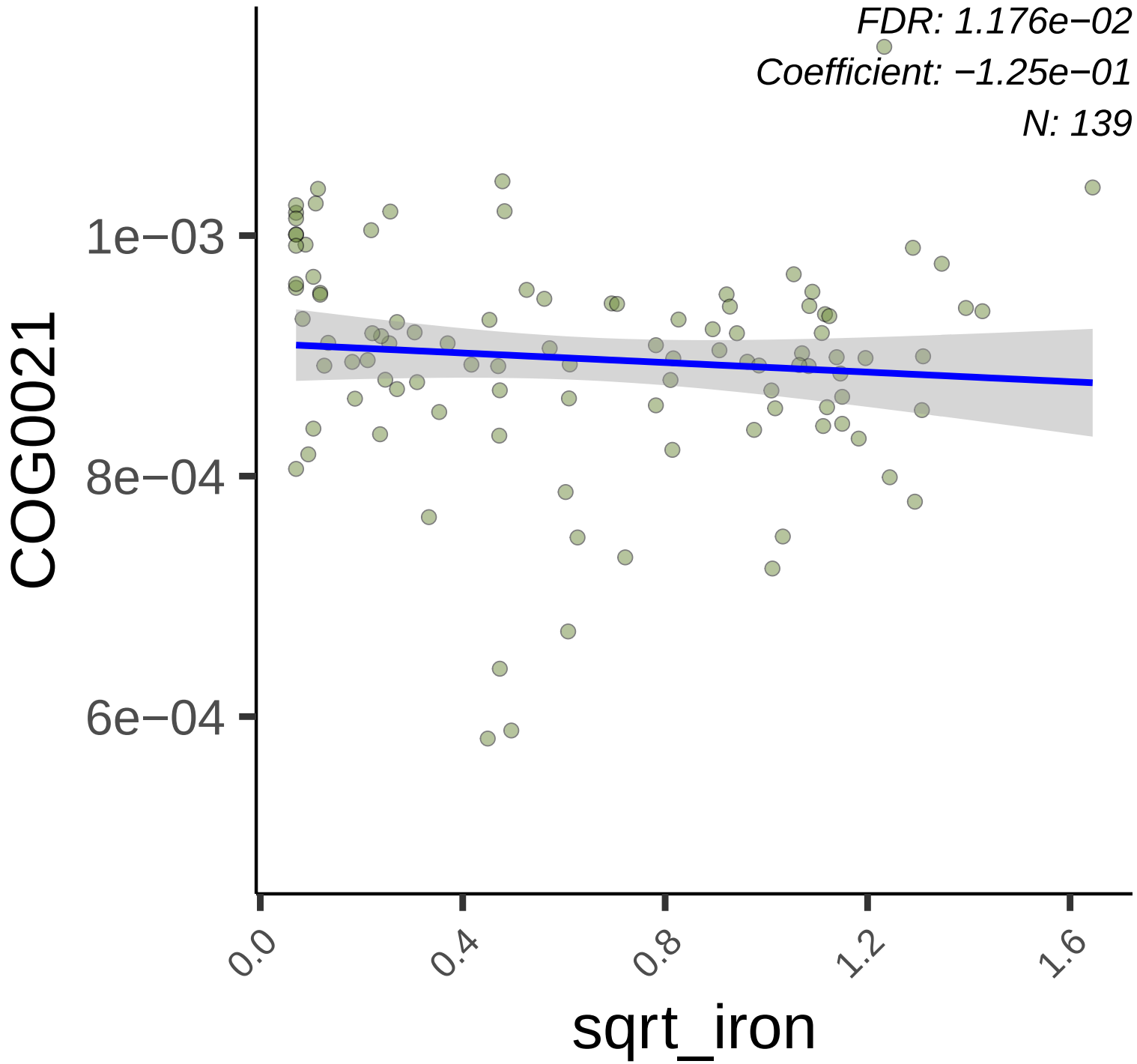
1.6
sqrt_iron


FDR: 1.176e−02
Coefficient: −1.25e−01
N: 139
COG0021
1e−03
8e−04
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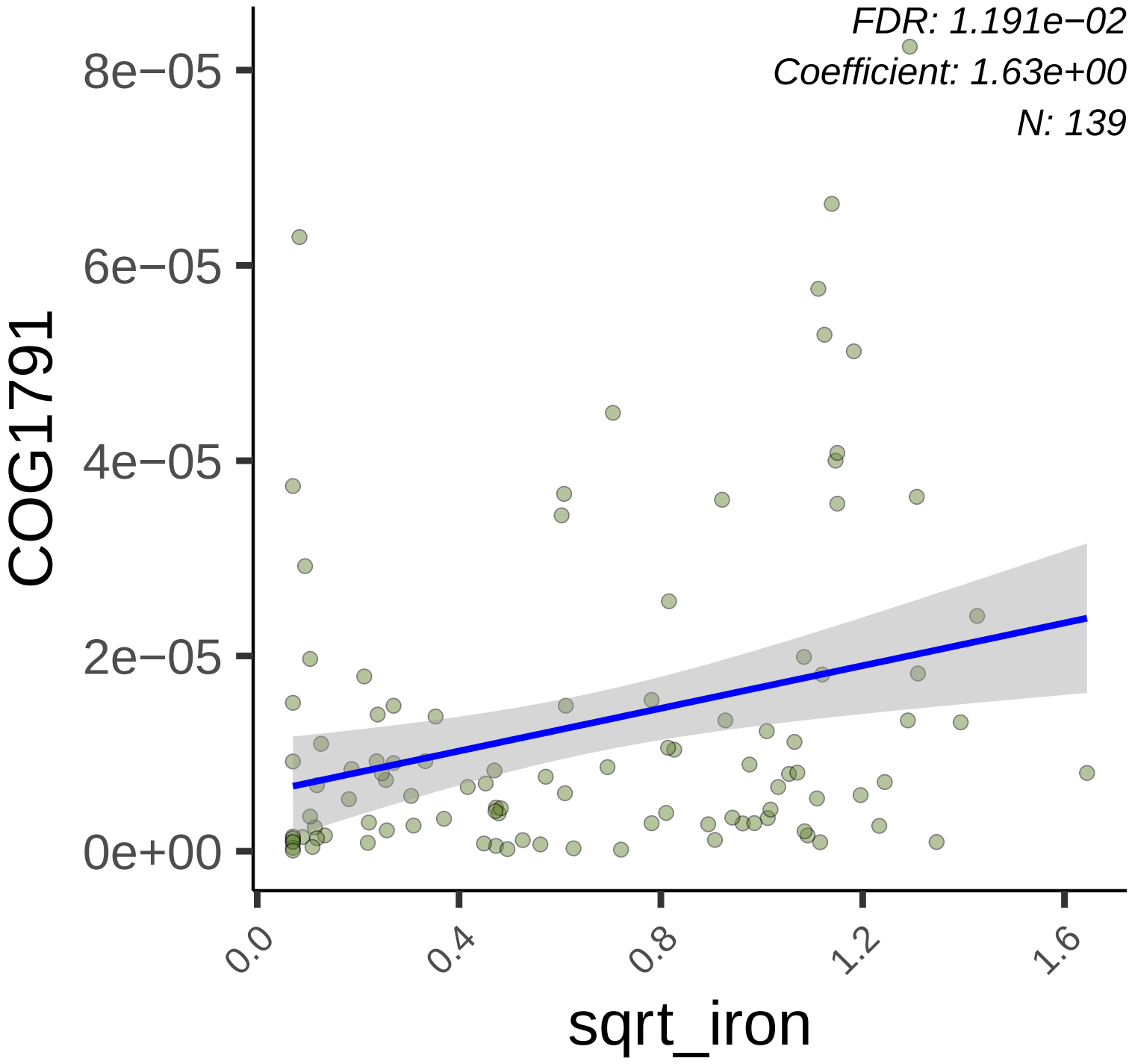
sqrt_iron


FDR: 1.191e−02
Coefficient: 1.63e+00
N: 139
COG1791
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4e−05
2e−05
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0.4
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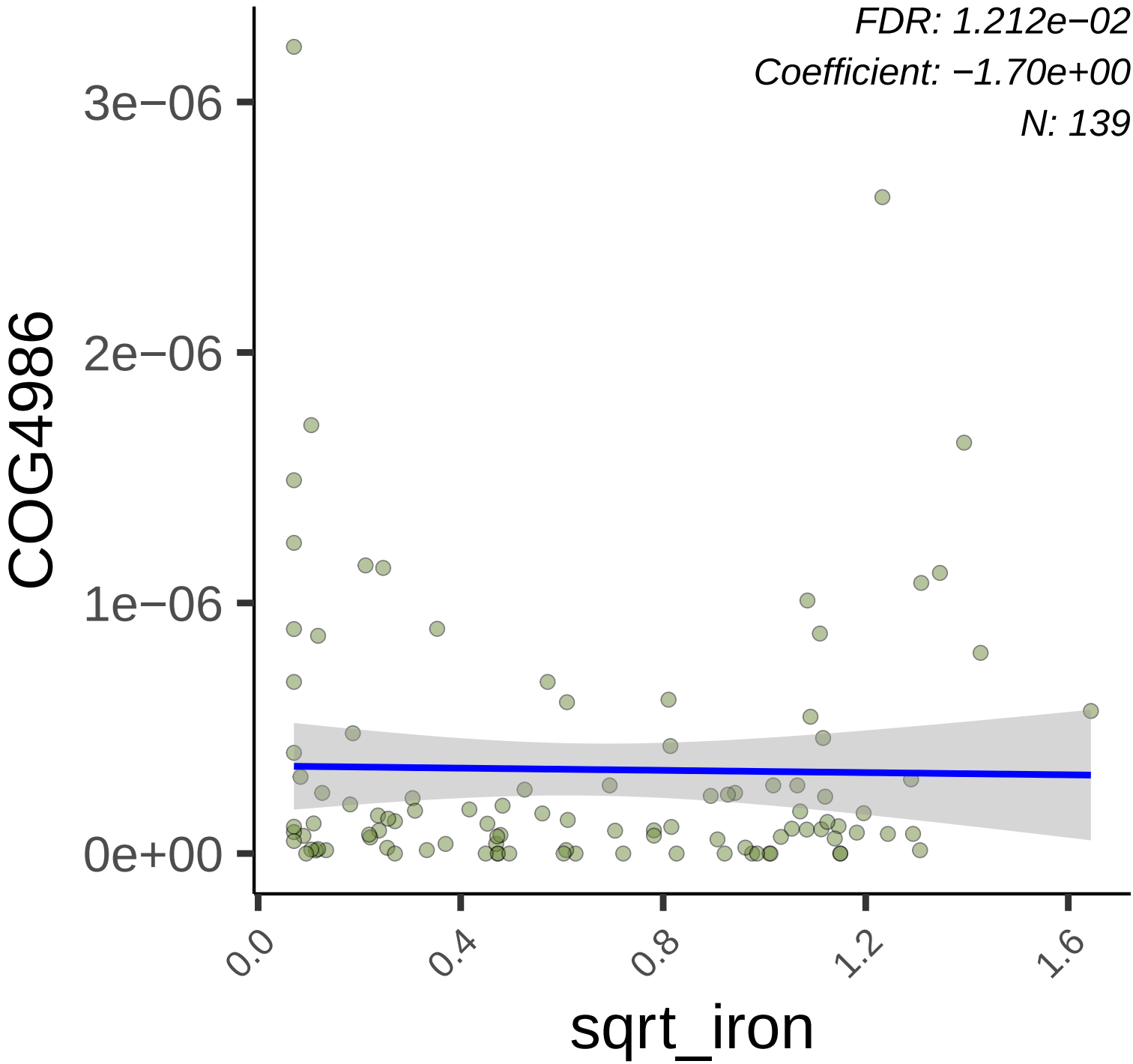
1.6
sqrt_iron


FDR: 1.212e−02
Coefficient: −1.70e+00
N: 139
COG4986
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2e−06
1e−06
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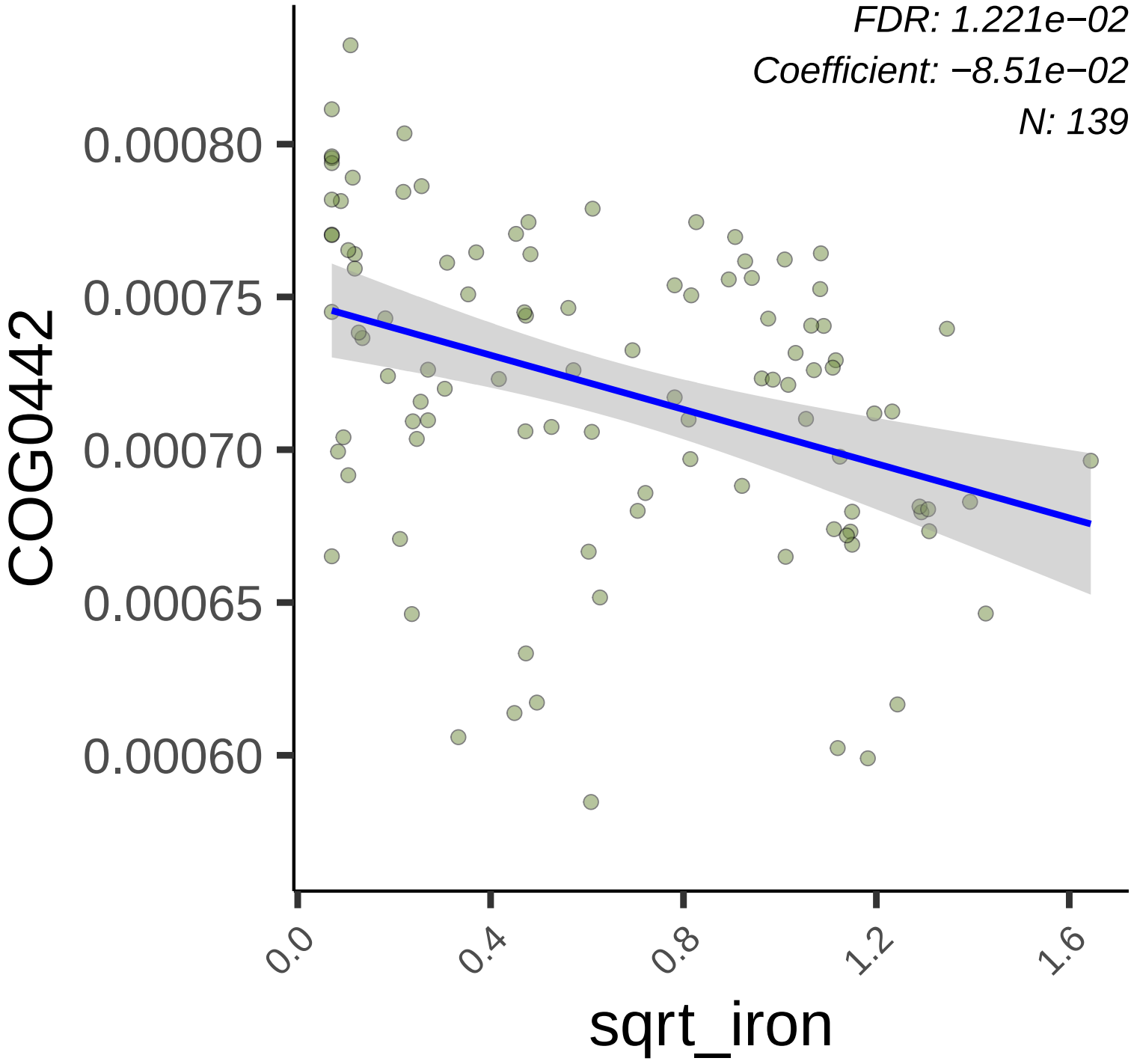
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.221e−02
Coefficient: −8.51e−02
N: 139
COG0442
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0.4
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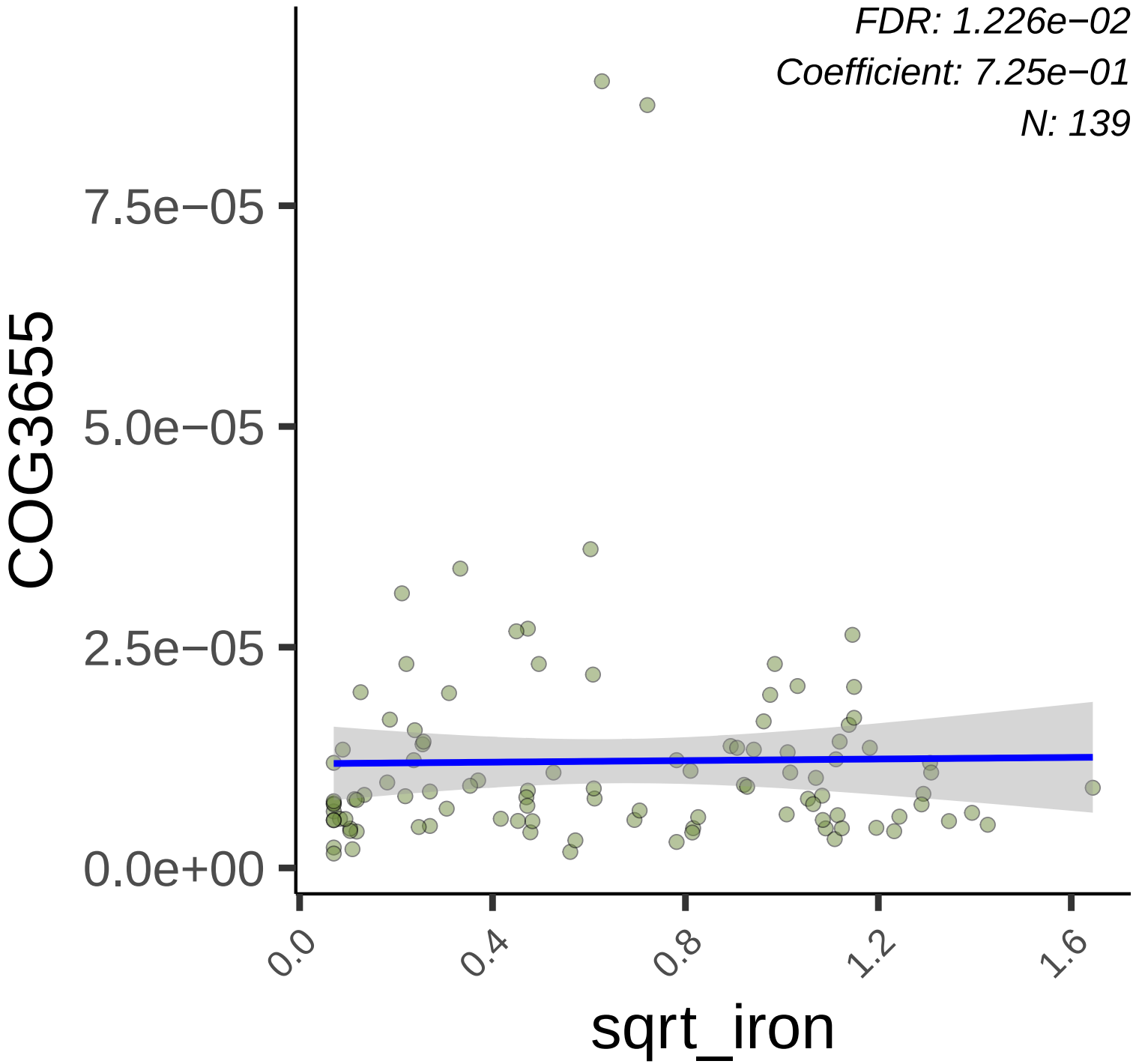
1.2
1.6
sqrt_iron


FDR: 1.226e−02
Coefficient: 7.25e−01
N: 139
COG3655
7.5e−05
5.0e−05
2.5e−05
0.0e+00
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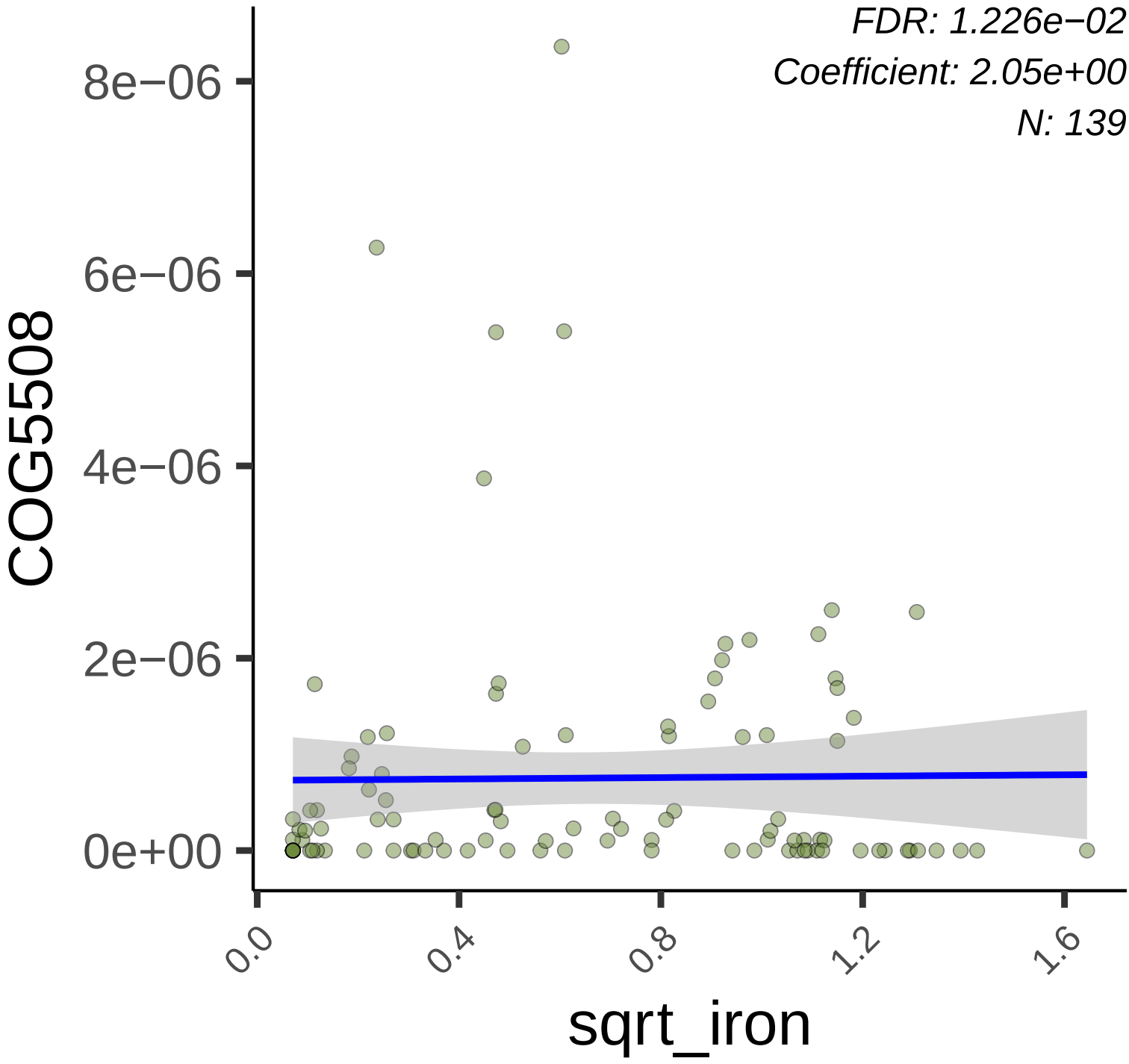
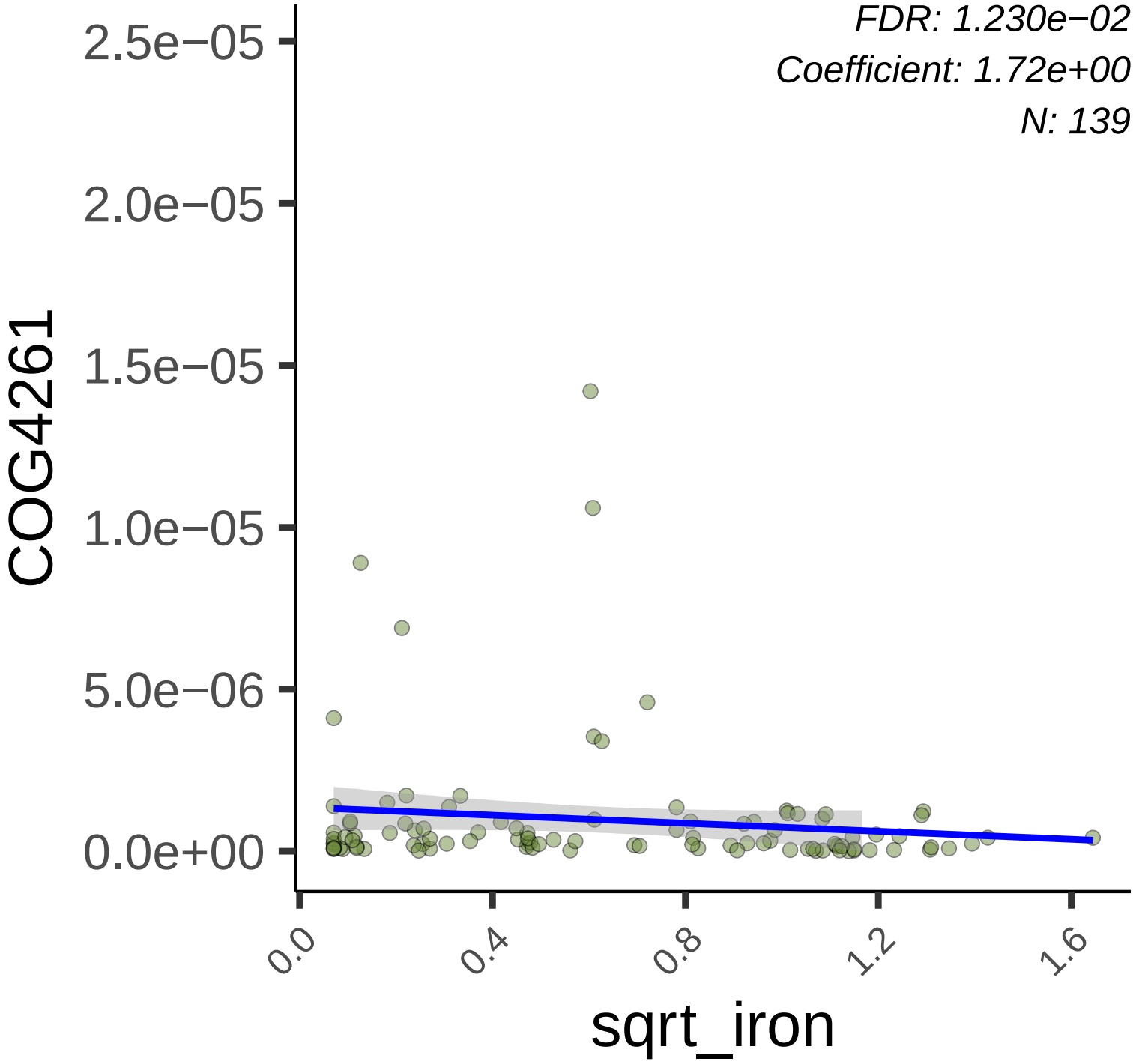
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.226e−02
Coefficient: 2.05e+00
N: 139
COG5508
8e−06
6e−06
4e−06
2e−06
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.230e−02
Coefficient: 1.72e+00
N: 139
COG4261
2.5e−05
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
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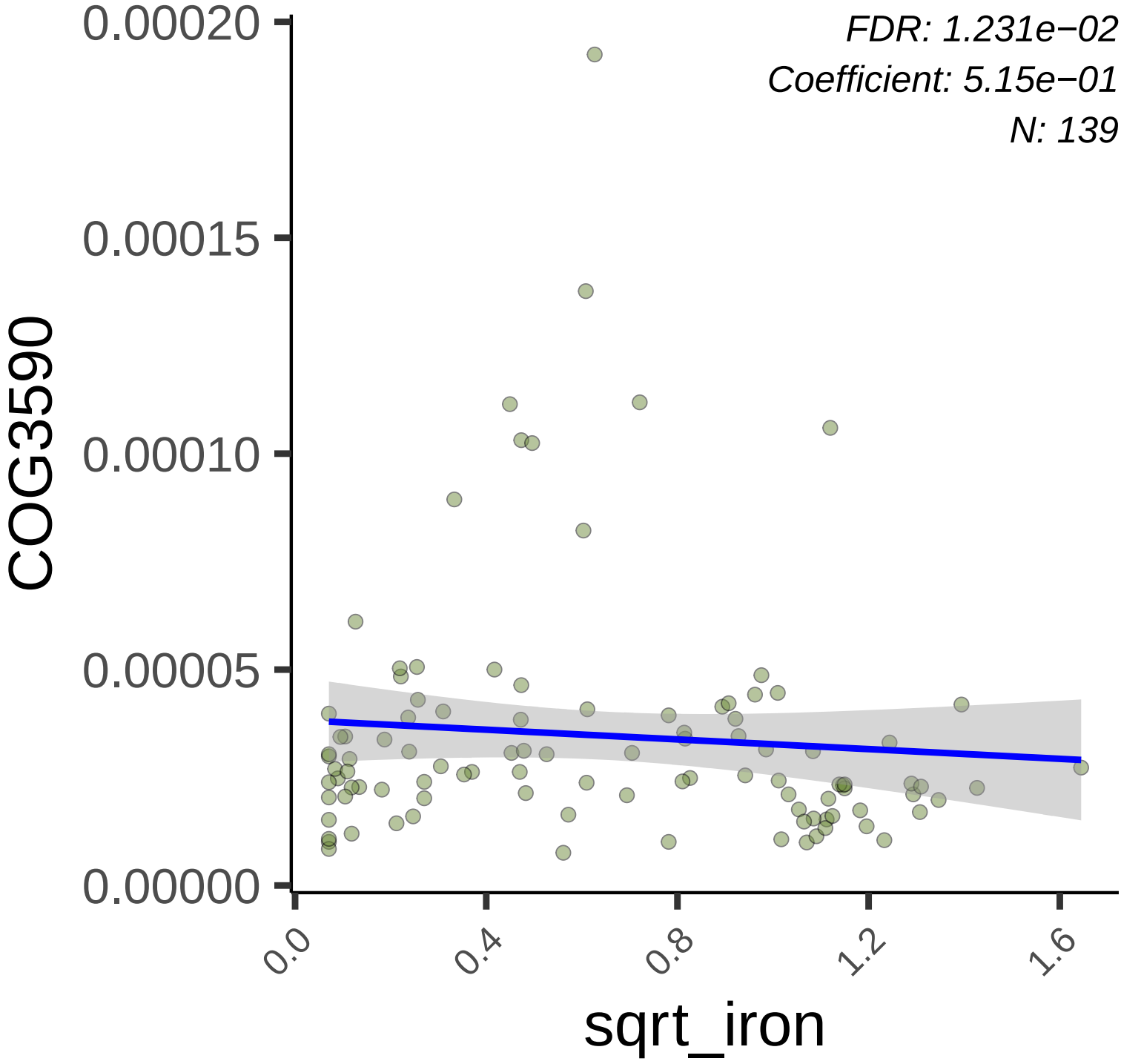
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.231e−02
Coefficient: 5.15e−01
N: 139
COG3590
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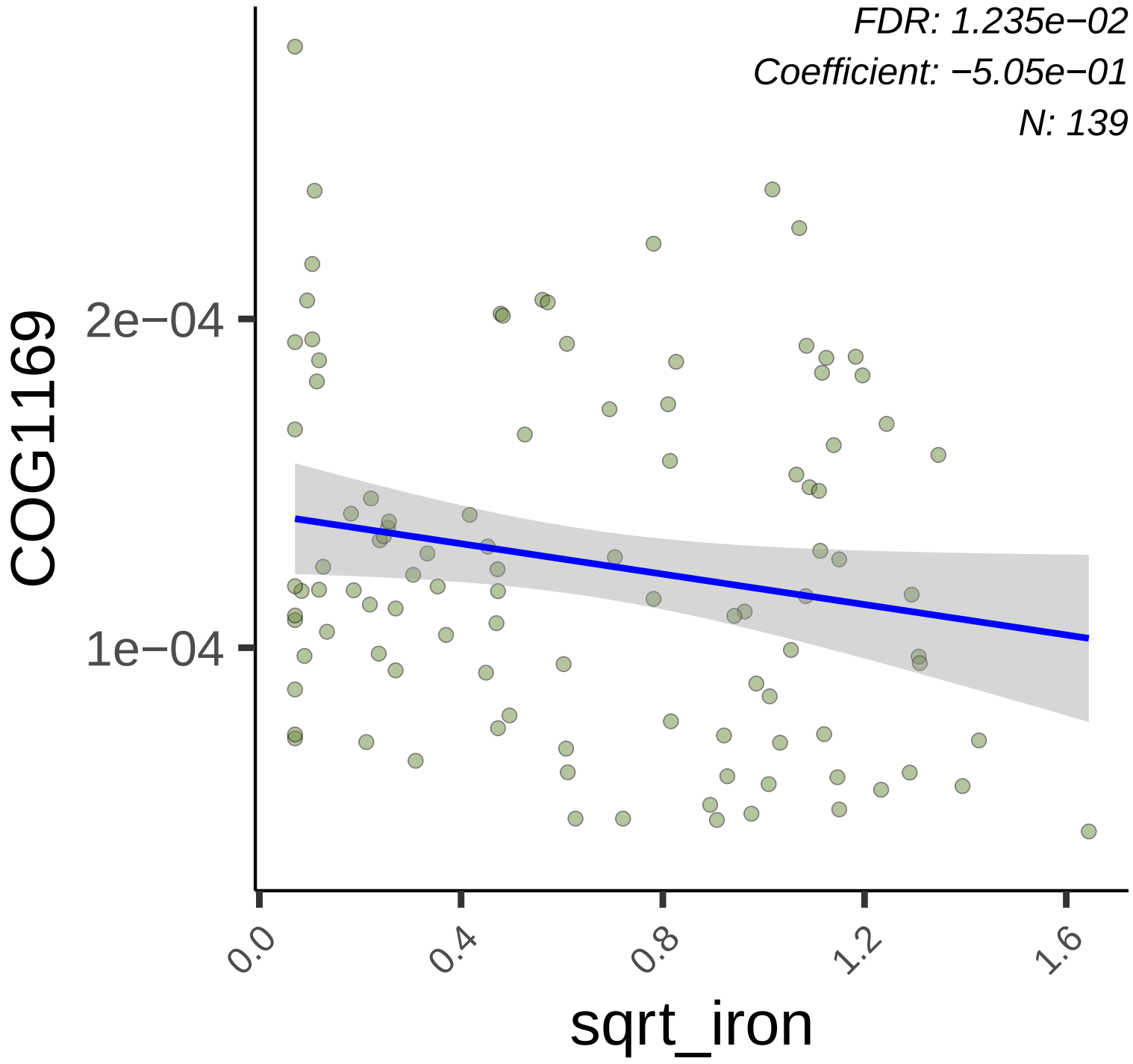
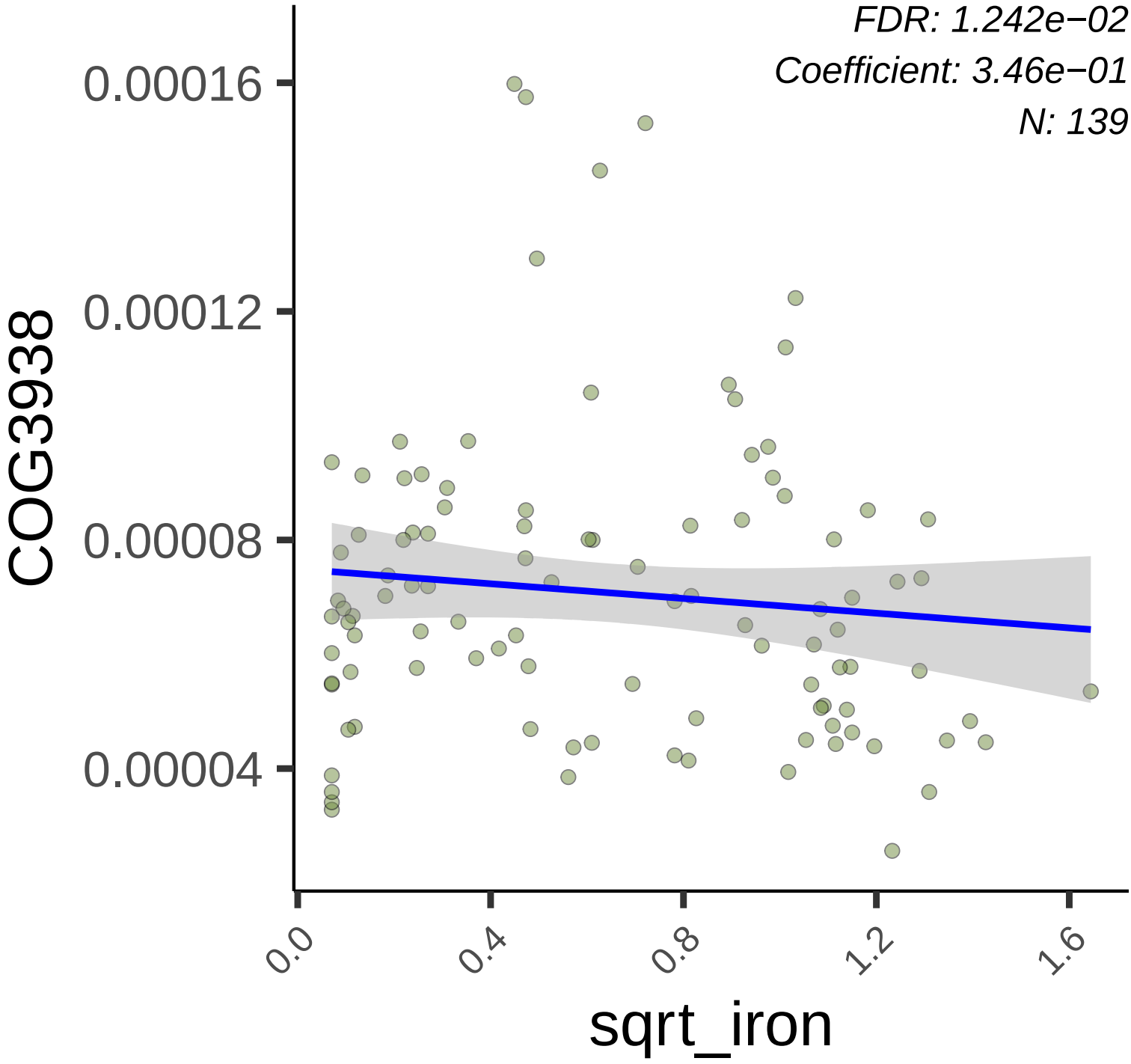
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.235e−02
Coefficient: −5.05e−01
N: 139
COG1169
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.242e−02
Coefficient: 3.46e−01
N: 139
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0.00012
0.00008
0.00004
COG3938
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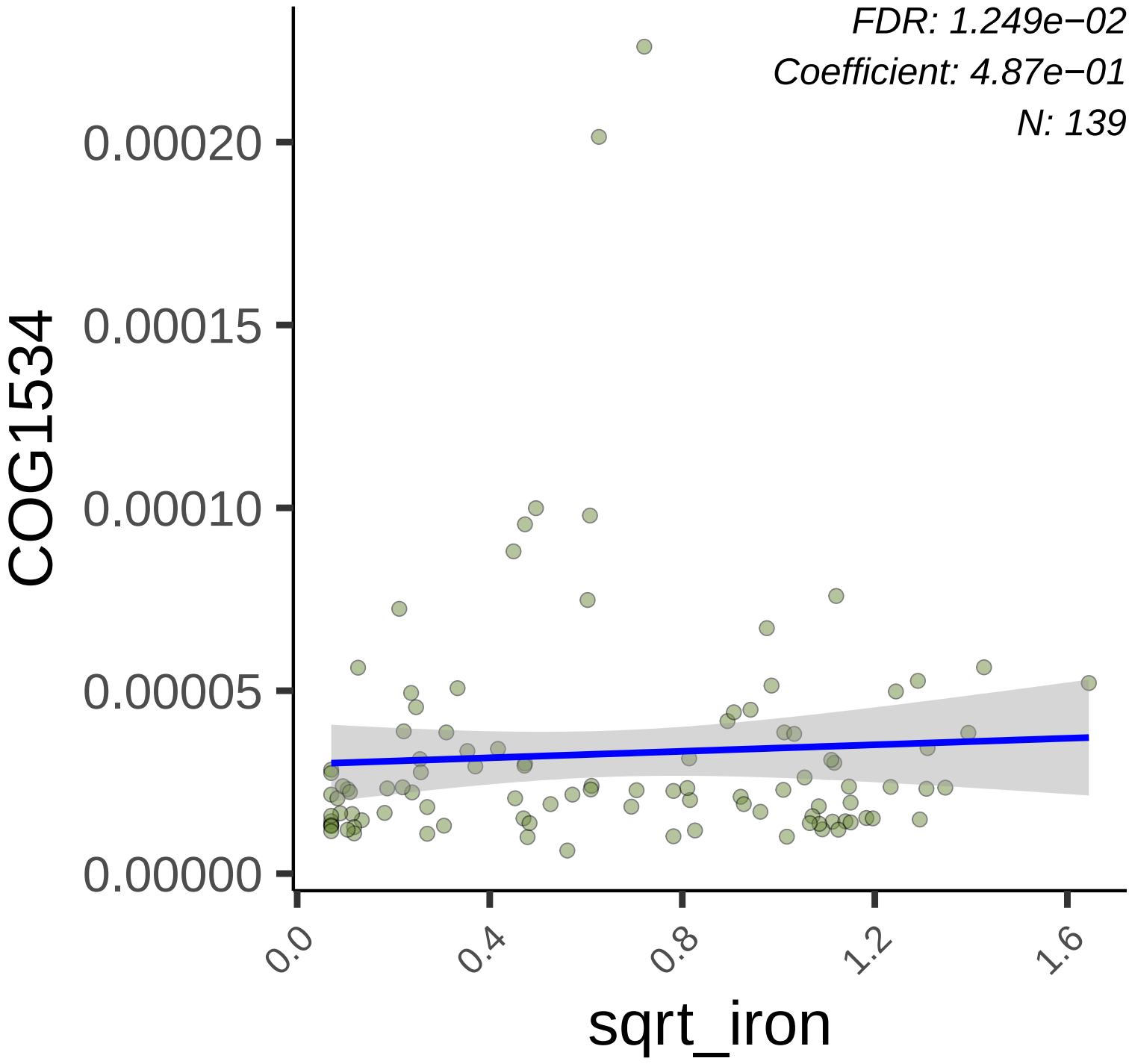
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.249e−02
Coefficient: 4.87e−01
N: 139
COG1534
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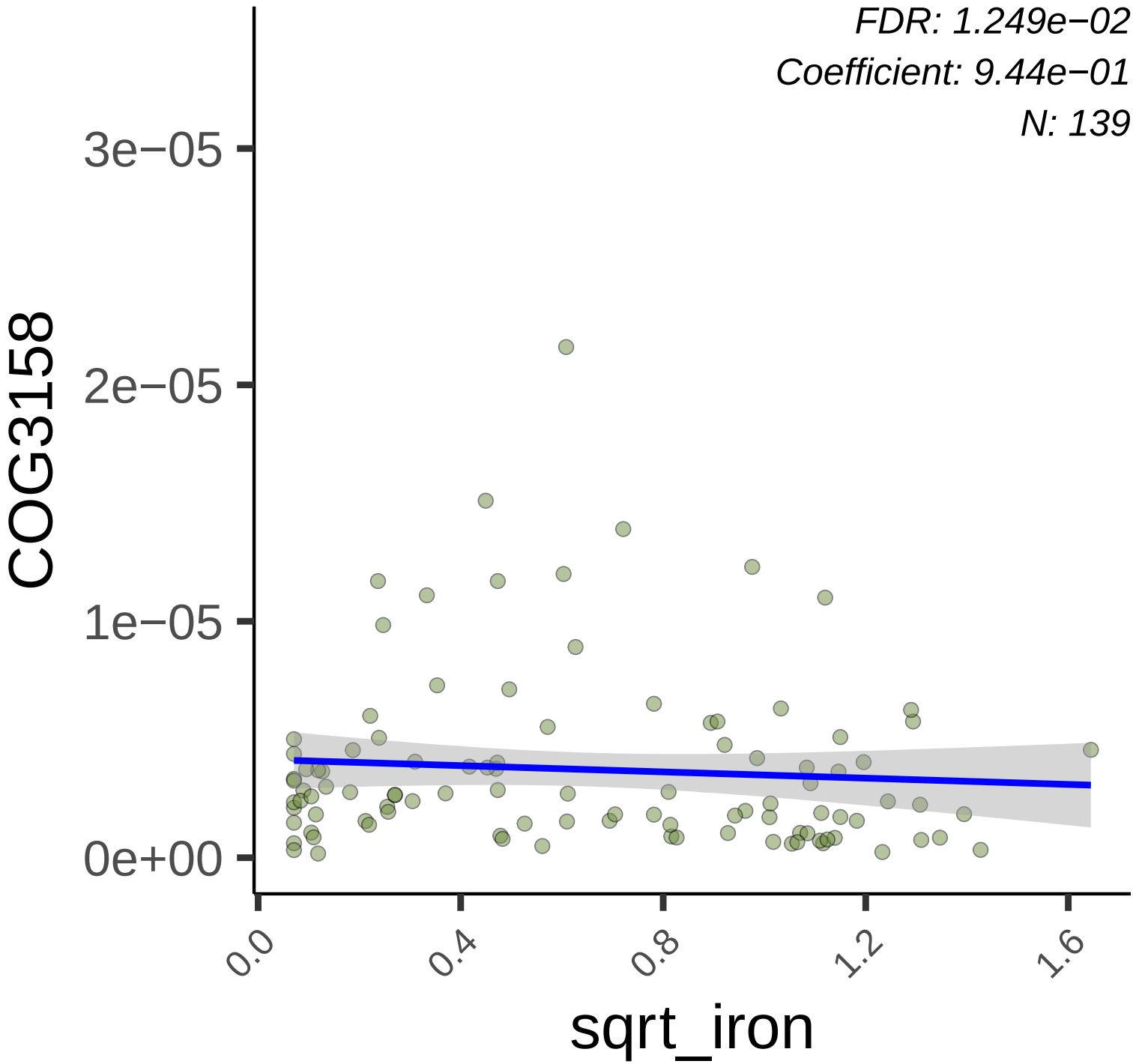
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.249e−02
Coefficient: 9.44e−01
N: 139
COG3158
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2e−05
1e−05
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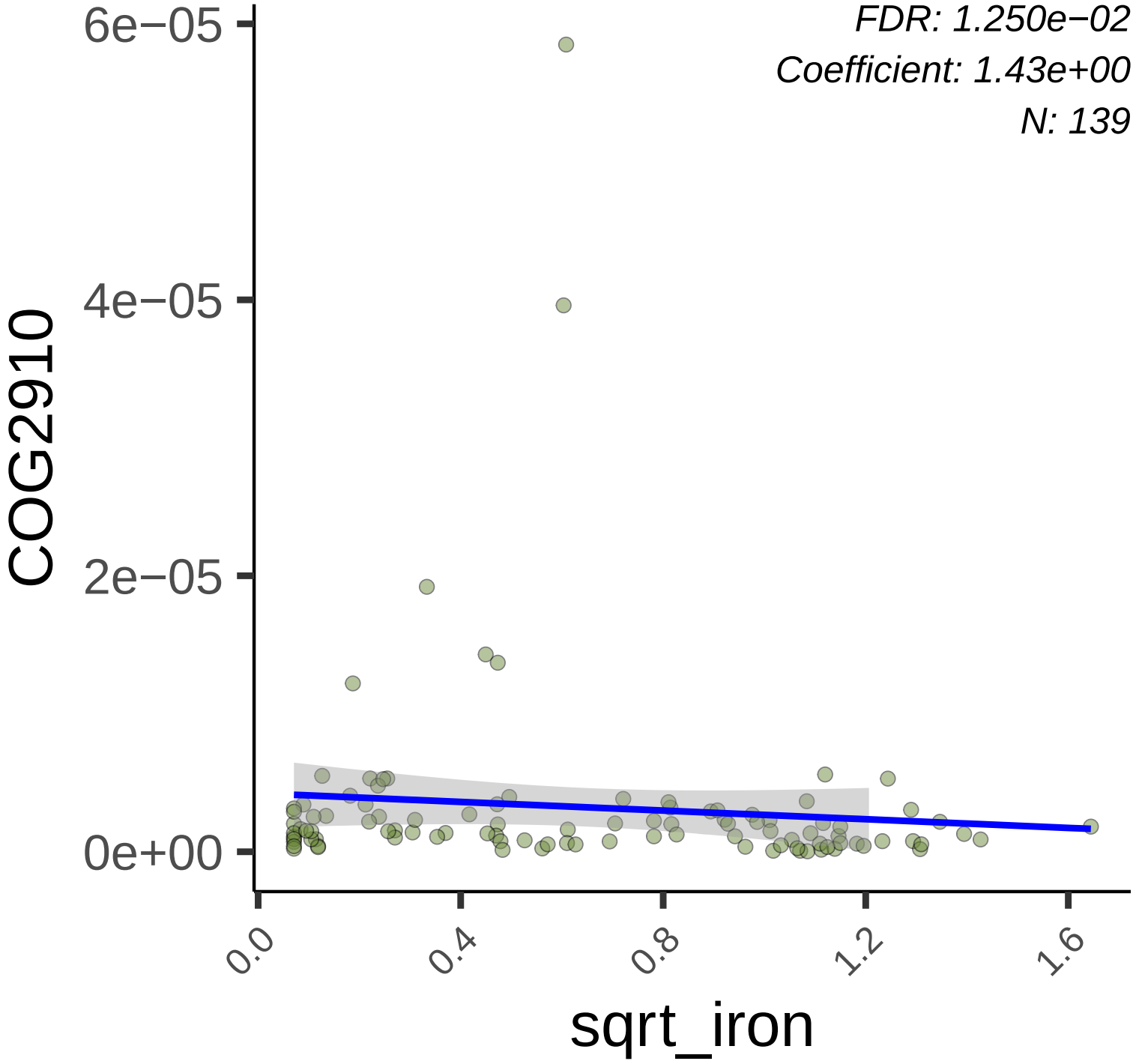
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.250e−02
Coefficient: 1.43e+00
N: 139
COG2910
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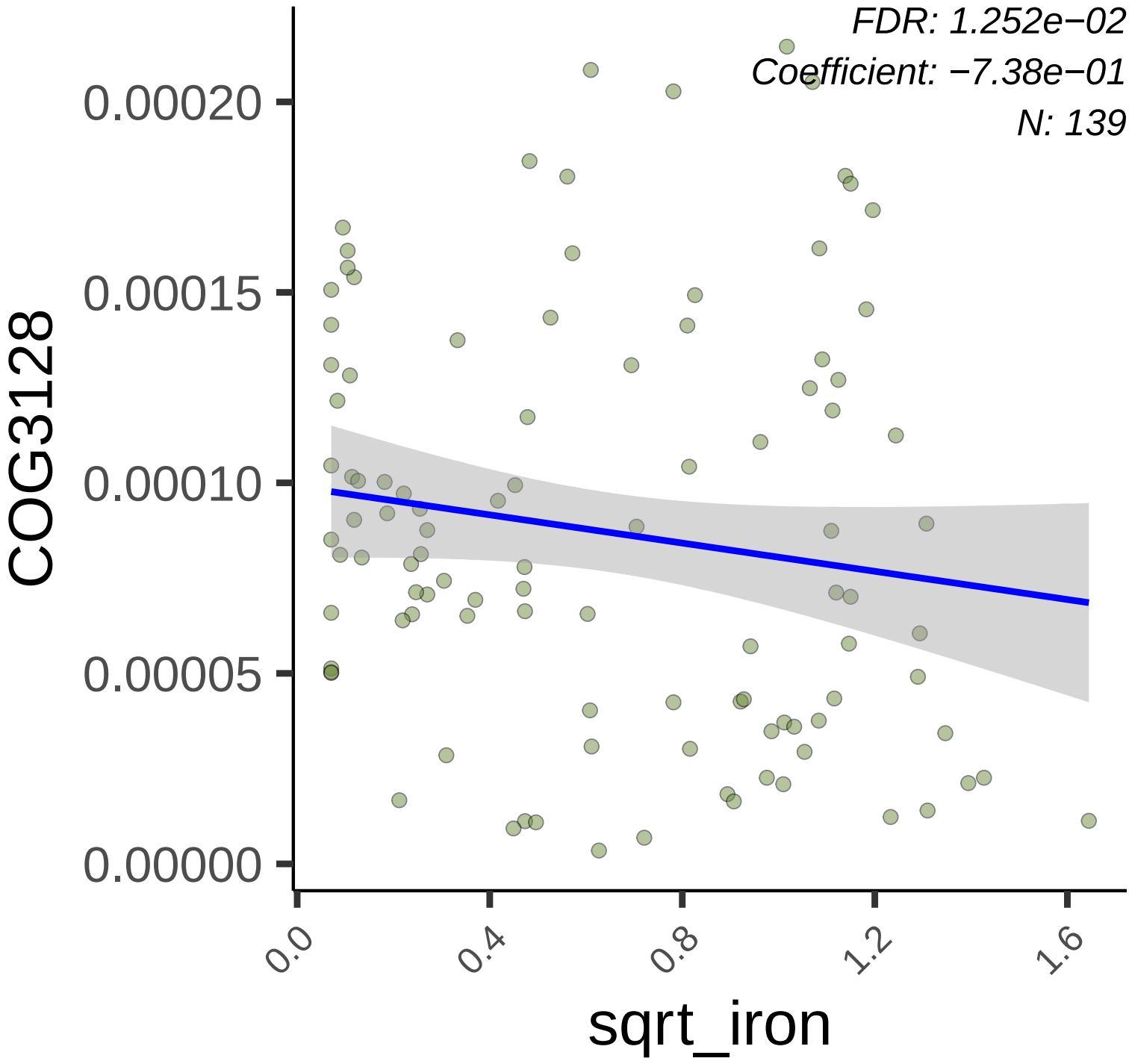
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.252e−02
Coefficient: −7.38e−01
N: 139
COG3128
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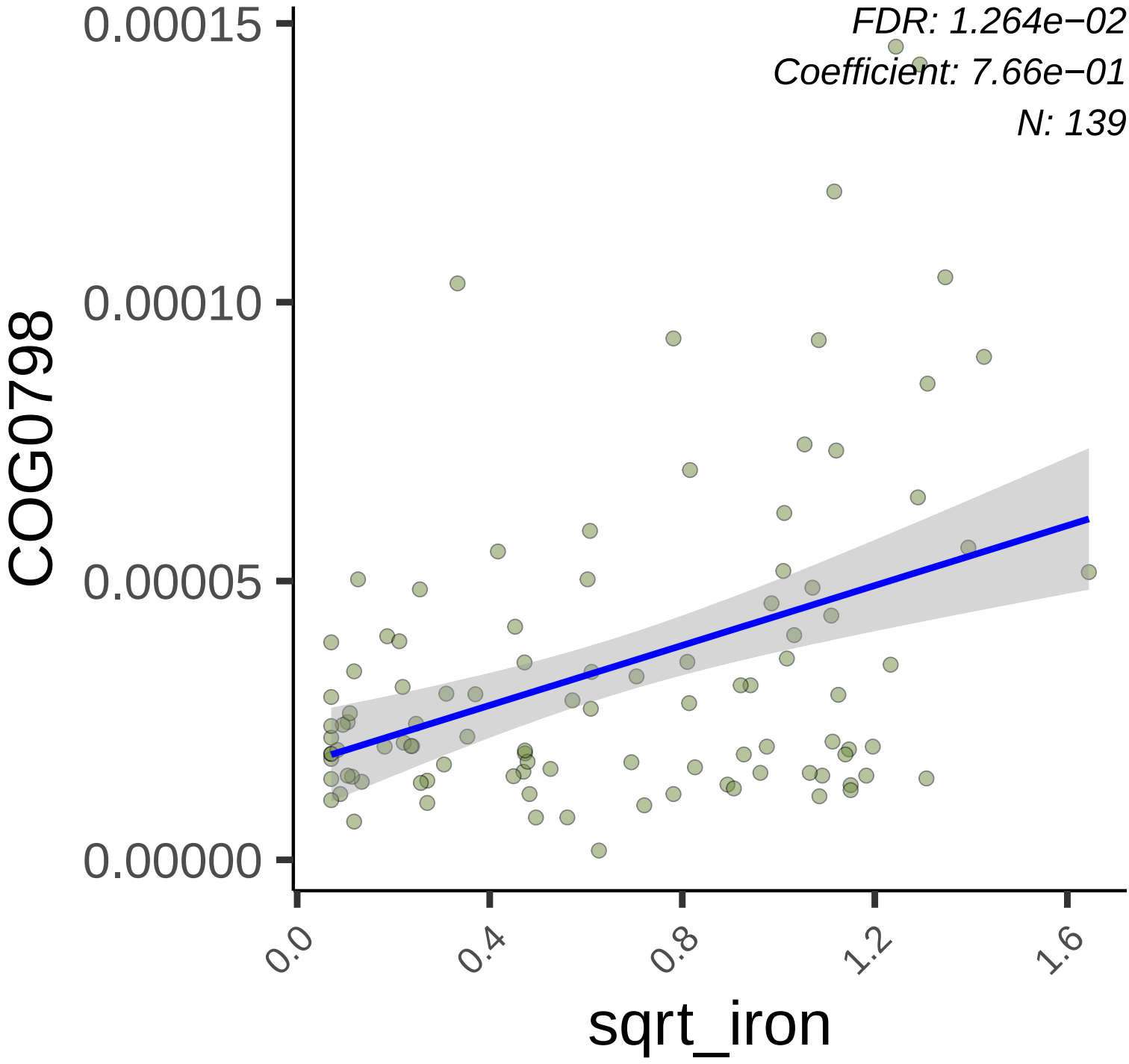
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.264e−02
Coefficient: 7.66e−01
N: 139
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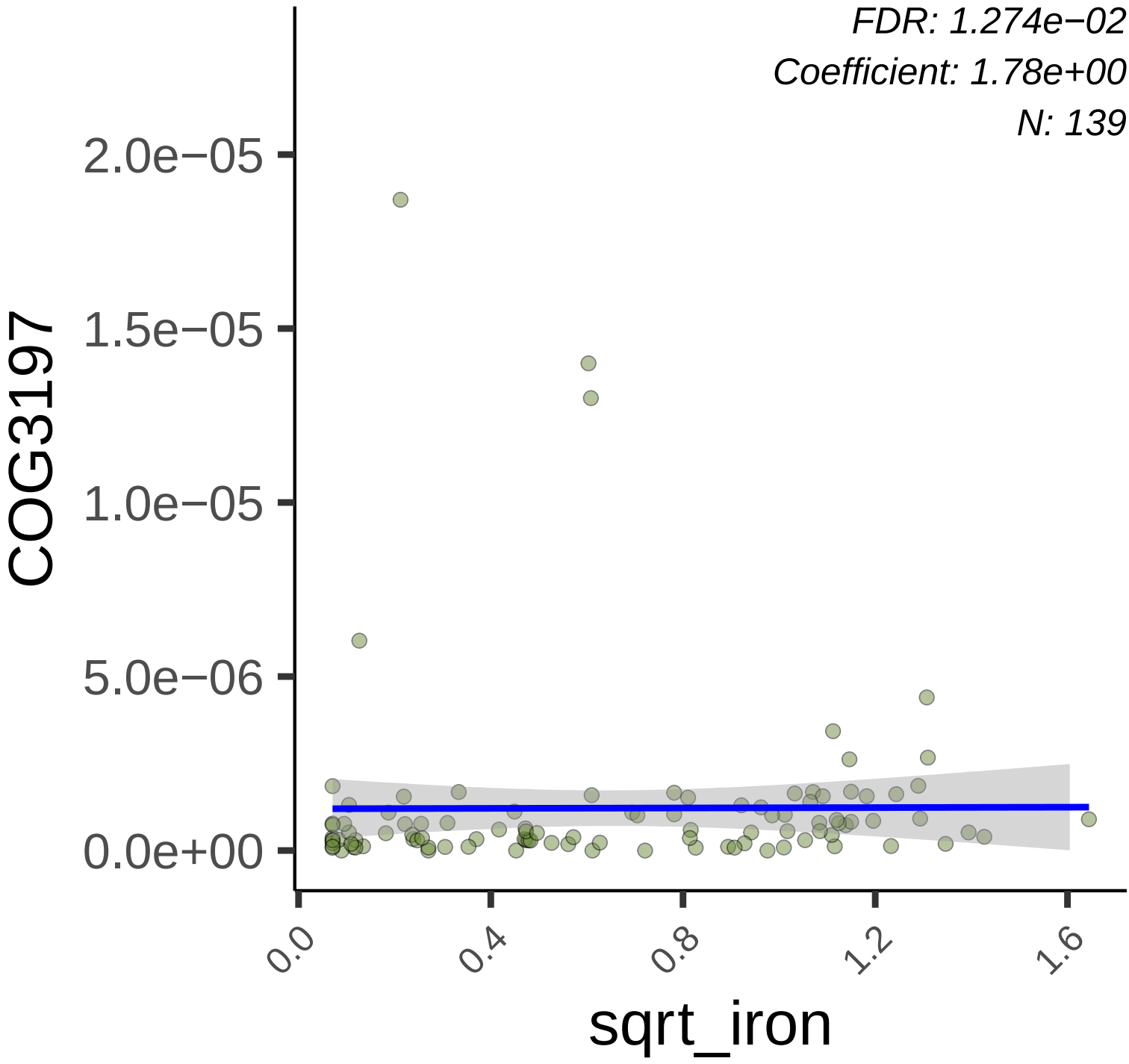
0.00005
0.00000
COG0798
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.274e−02
Coefficient: 1.78e+00
N: 139
COG3197
2.0e−05
1.5e−05
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5.0e−06
0.0e+00
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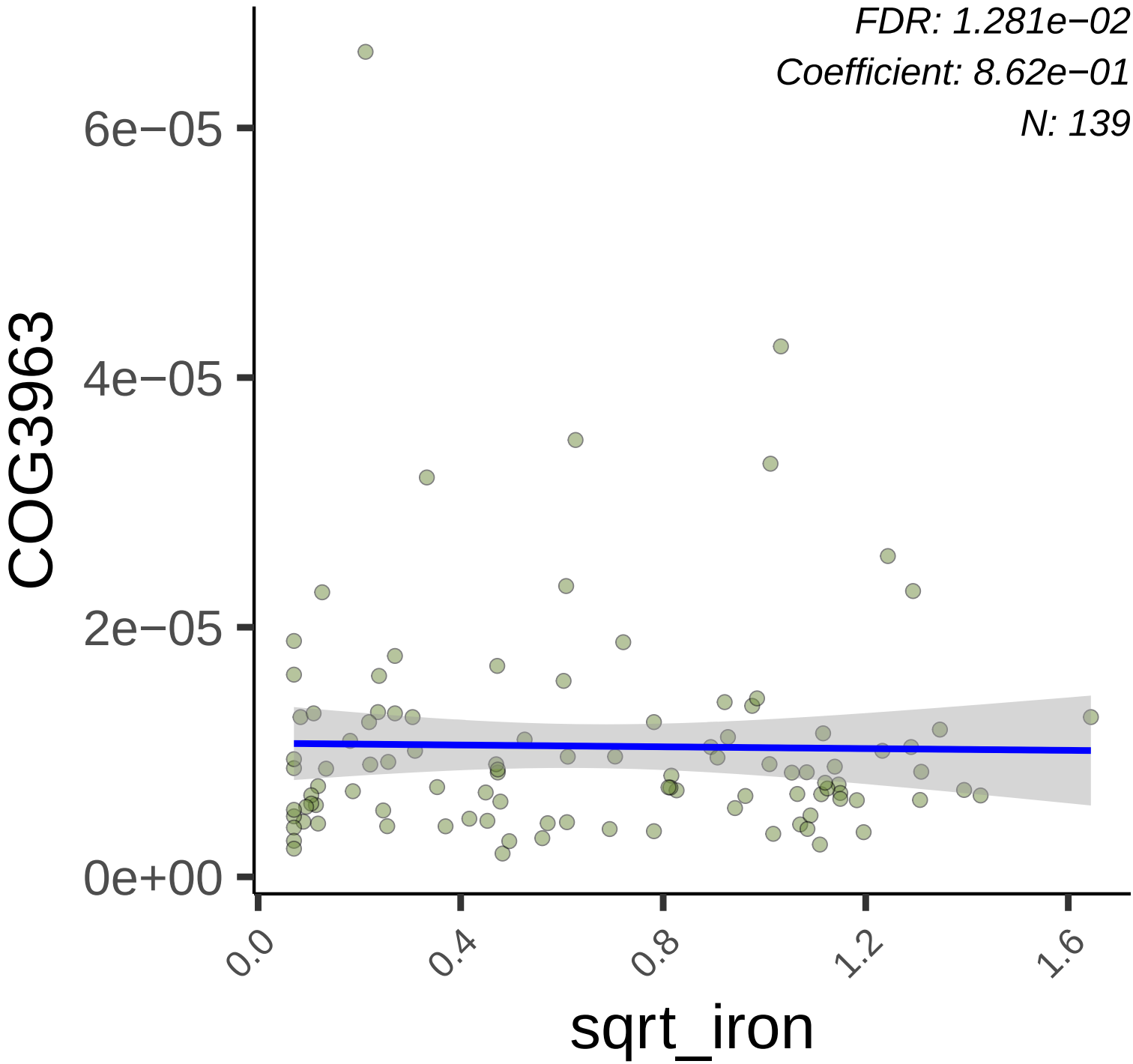
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.281e−02
Coefficient: 8.62e−01
N: 139
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2e−05
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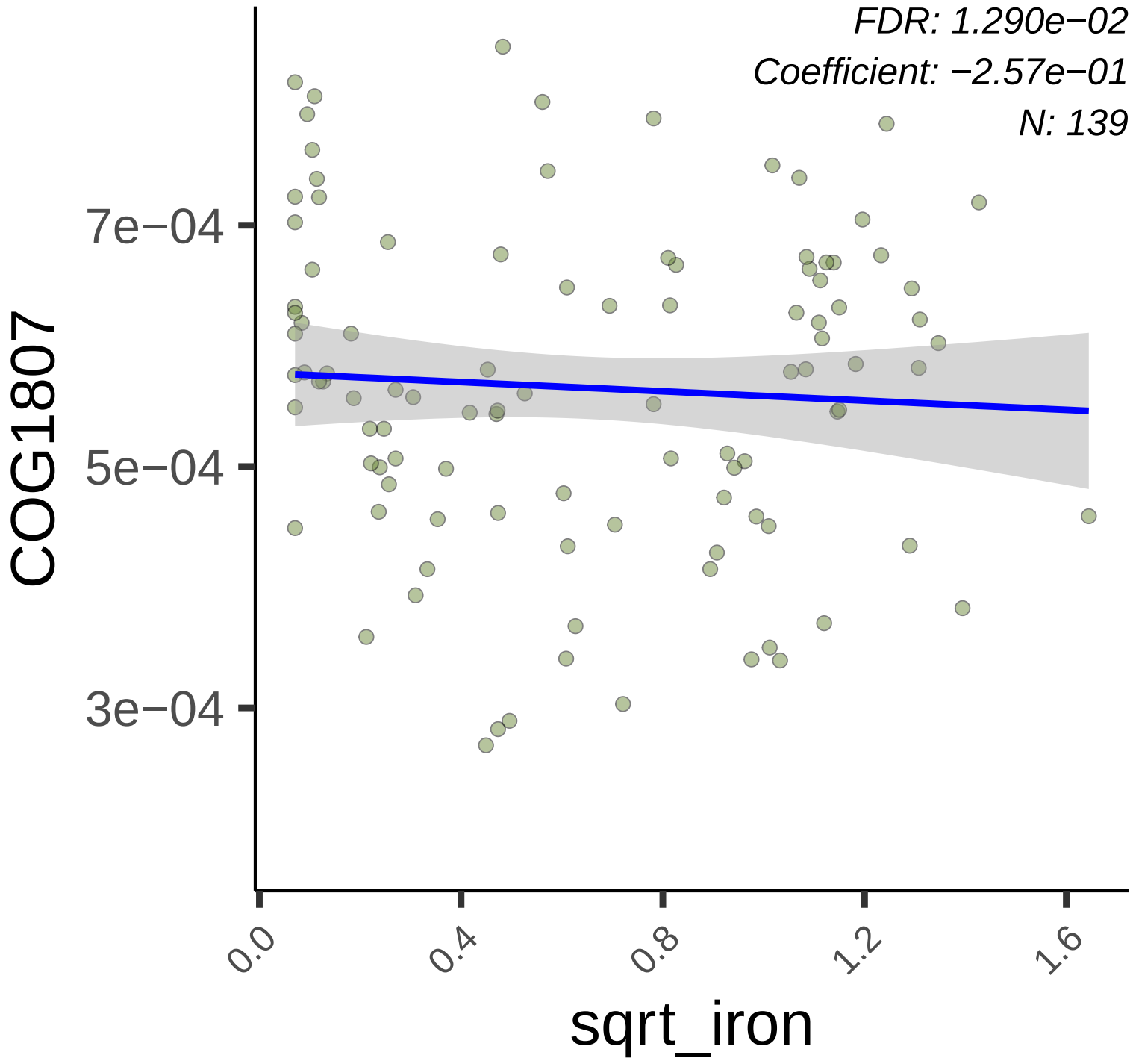
0.4
0.8
1.2
1.6
sqrt_iron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Coefficient: −2.57e−01
N: 139
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5e−04
3e−04
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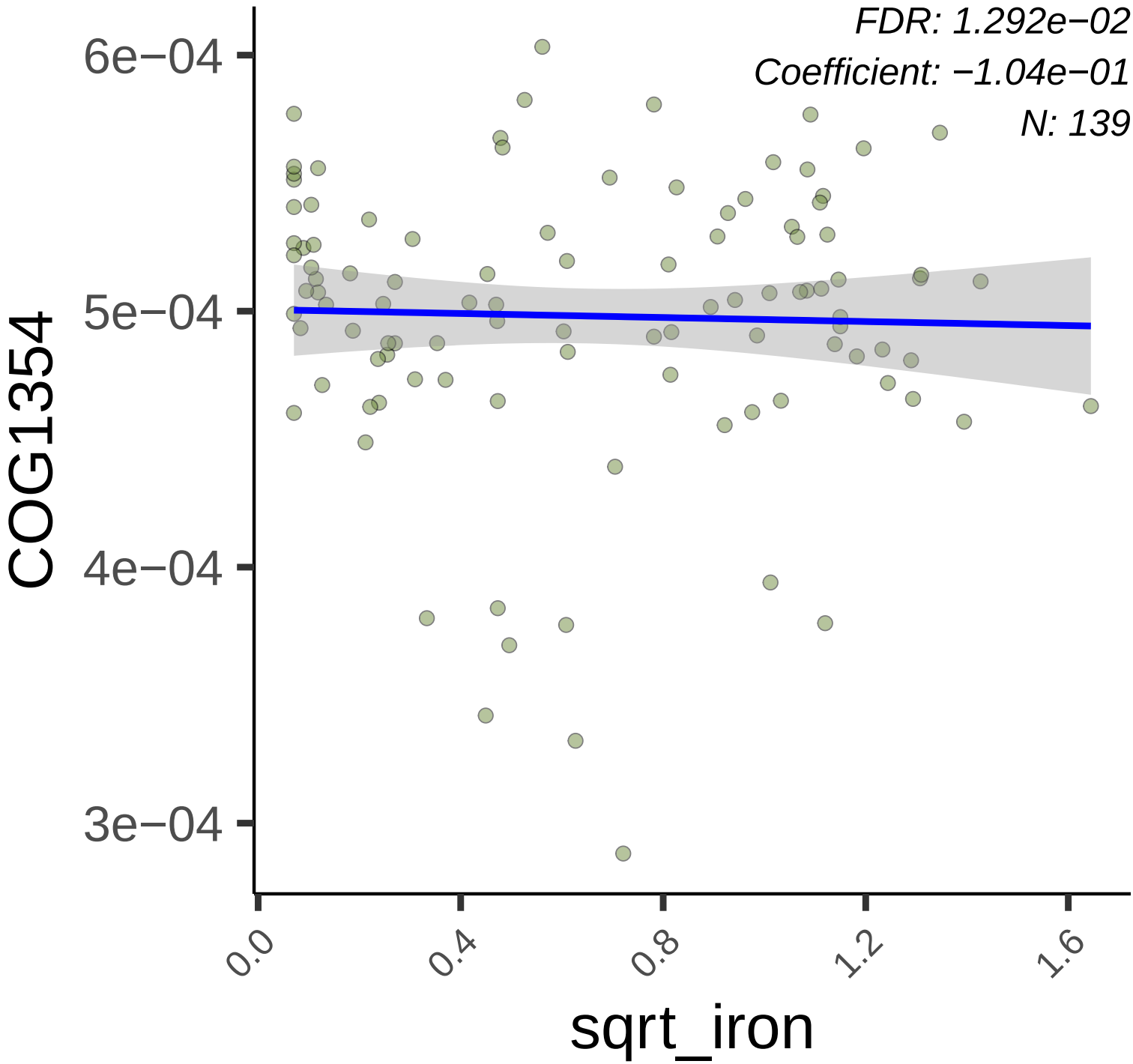
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.292e−02
Coefficient: −1.04e−01
N: 139
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5e−04
4e−04
3e−04
COG1354
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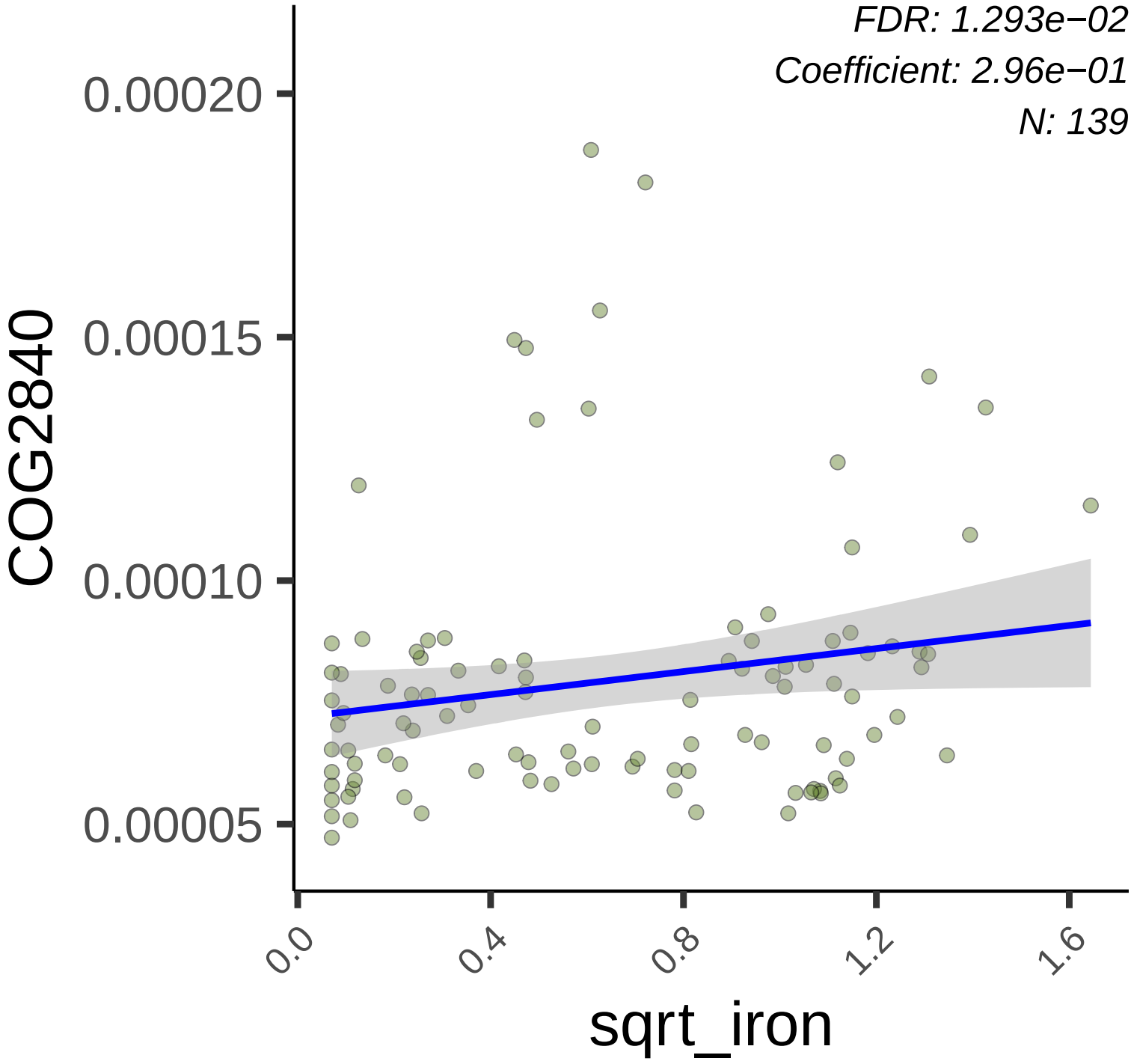
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.293e−02
Coefficient: 2.96e−01
N: 139
COG2840
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0.4
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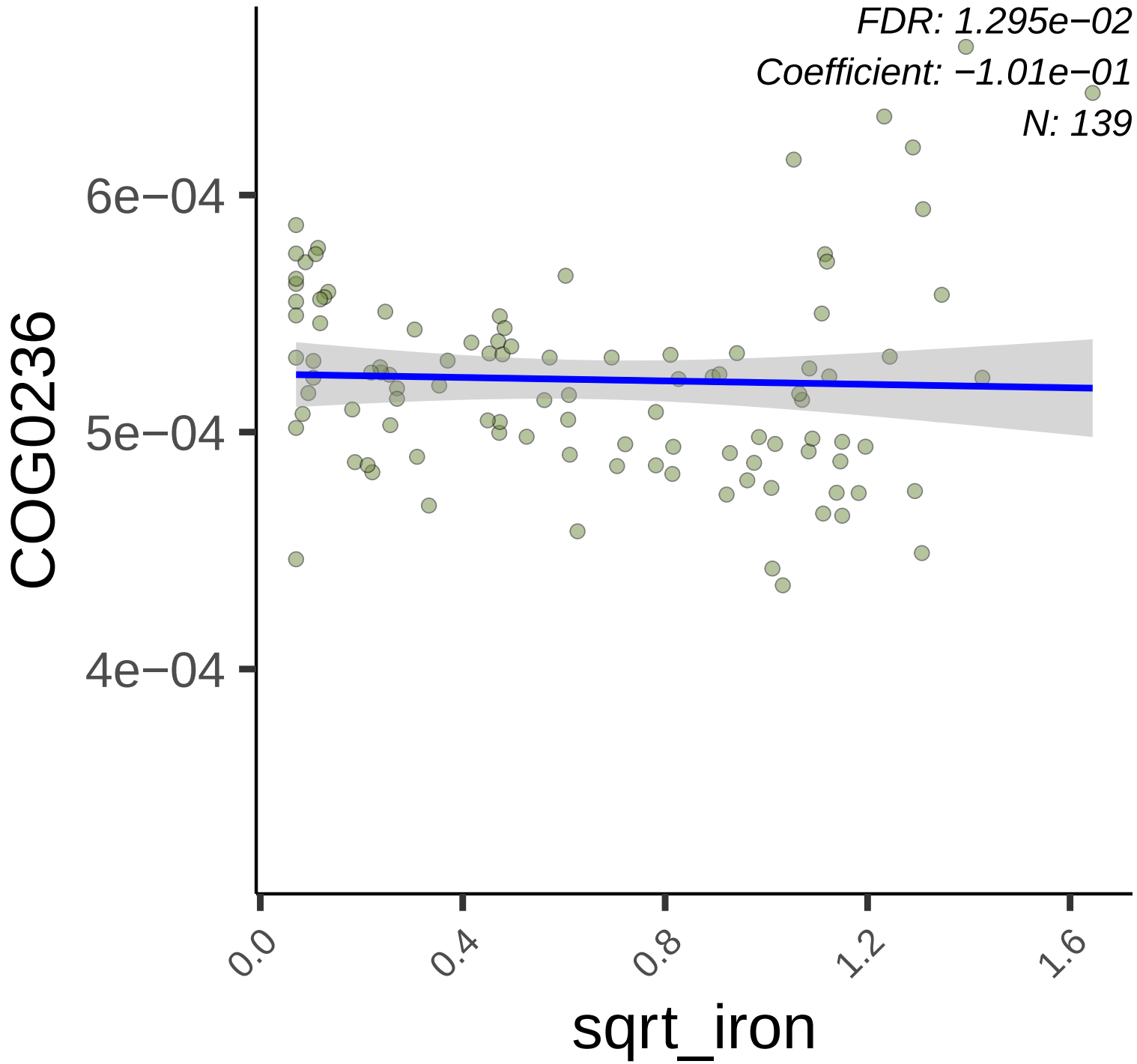
1.6
sqrt_iron


FDR: 1.295e−02
Coefficient: −1.01e−01
N: 139
COG0236
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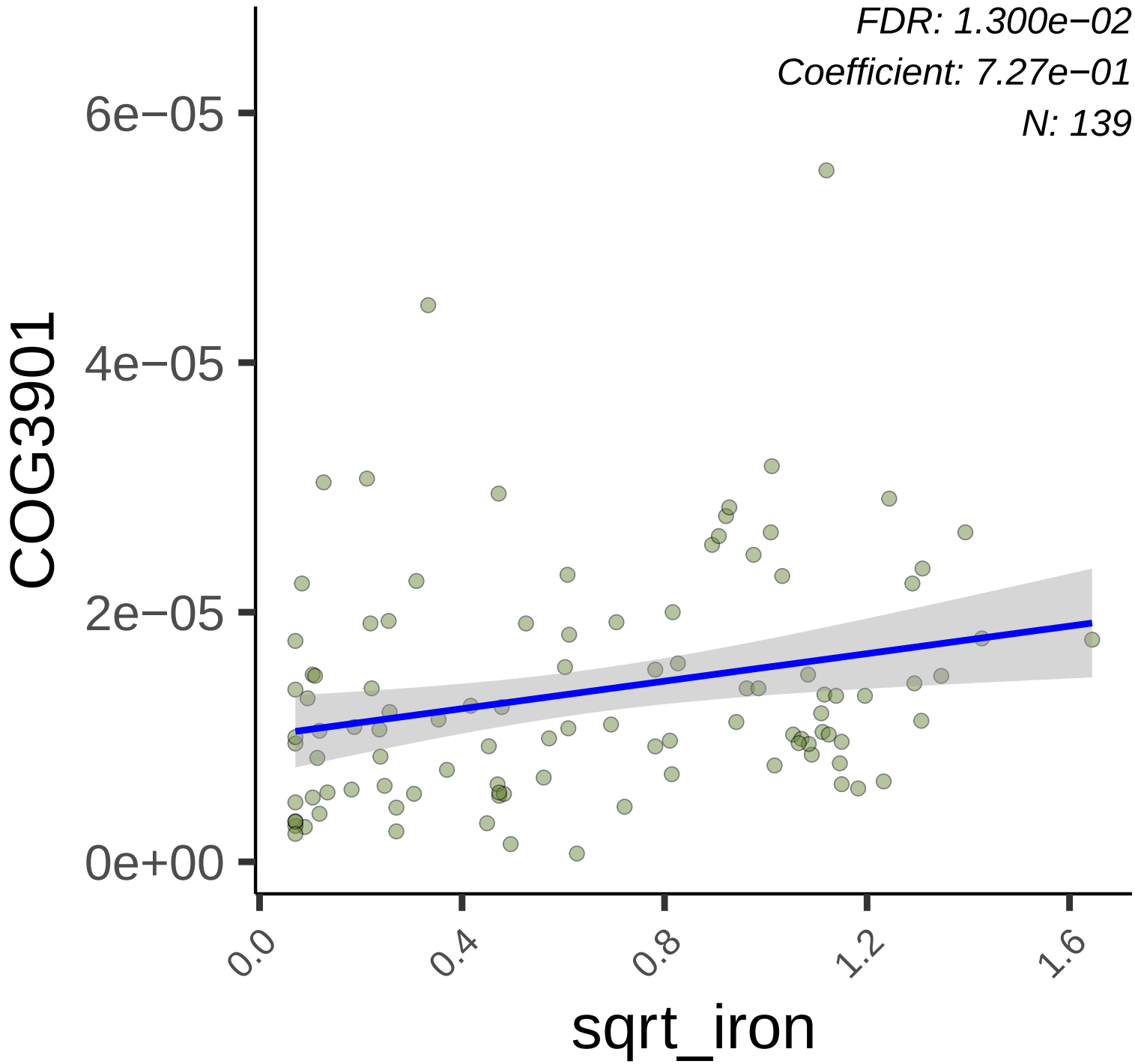
0.8
1.2
1.6
sqrt_iron


FDR: 1.300e−02
Coefficient: 7.27e−01
N: 139
COG3901
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4e−05
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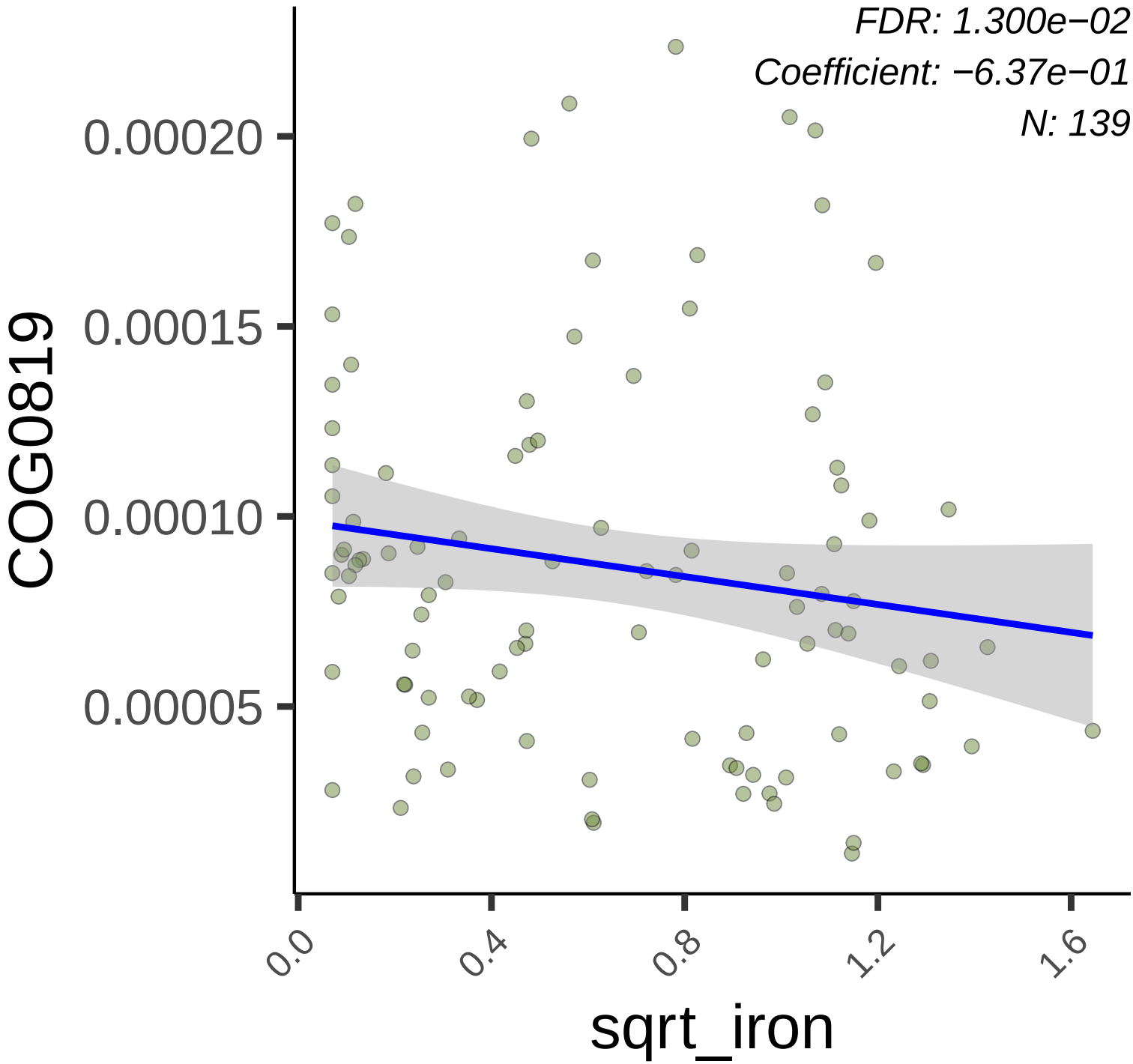
1.2
1.6
sqrt_iron


FDR: 1.300e−02
Coefficient: −6.37e−01
N: 139
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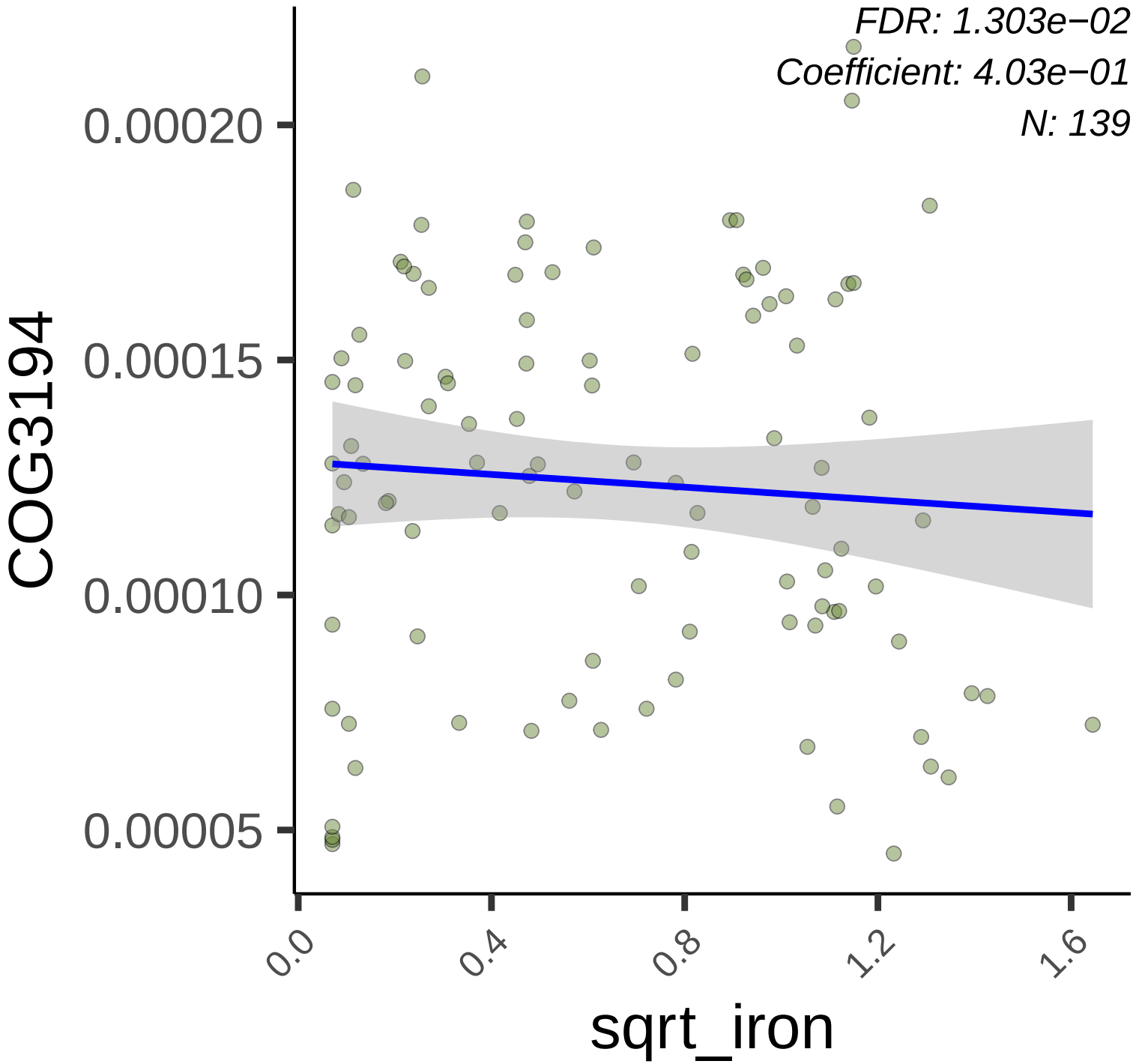
sqrt_iron


FDR: 1.303e−02
Coefficient: 4.03e−01
N: 139
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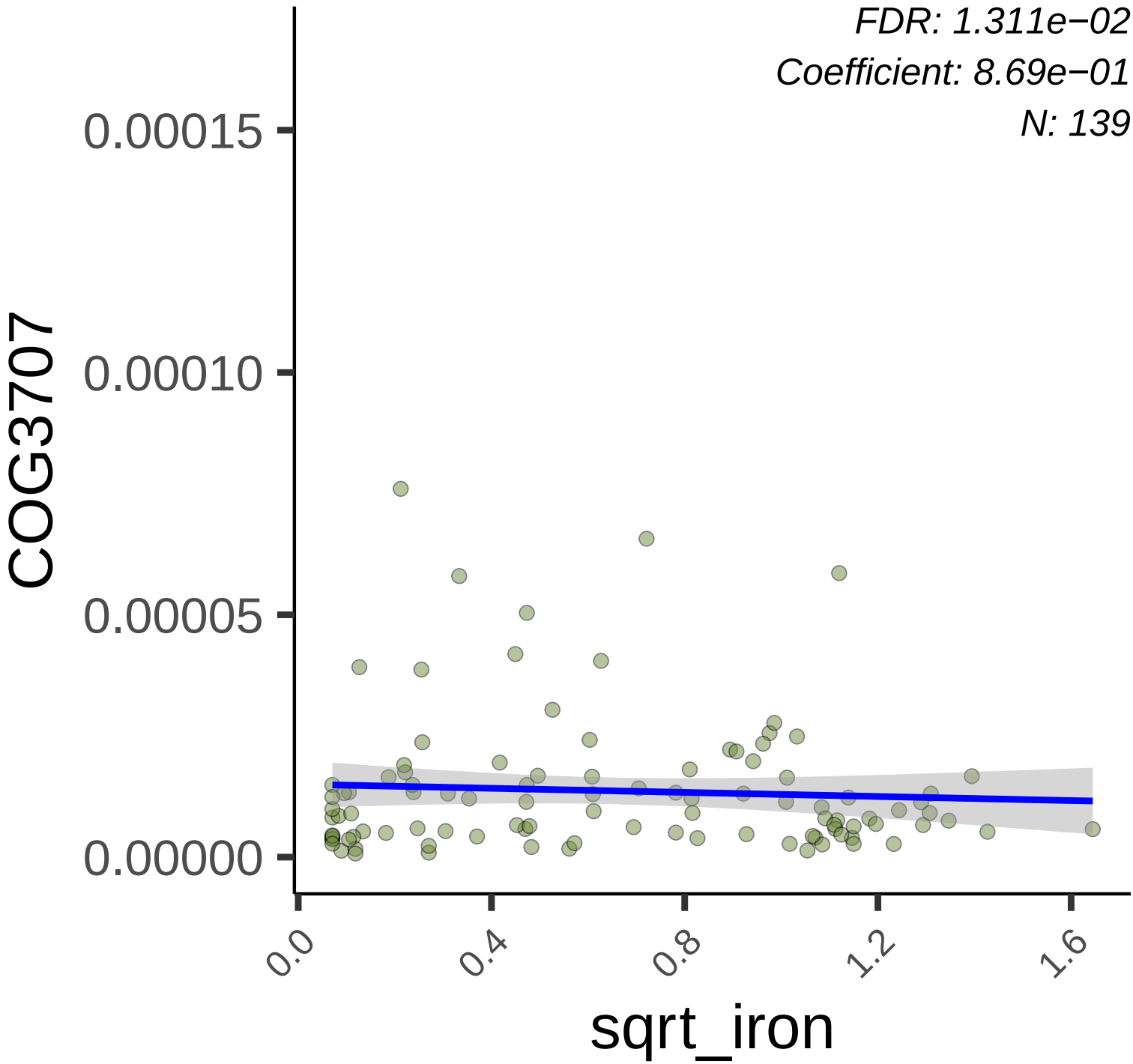
1.2
1.6
sqrt_iron


FDR: 1.311e−02
Coefficient: 8.69e−01
N: 139
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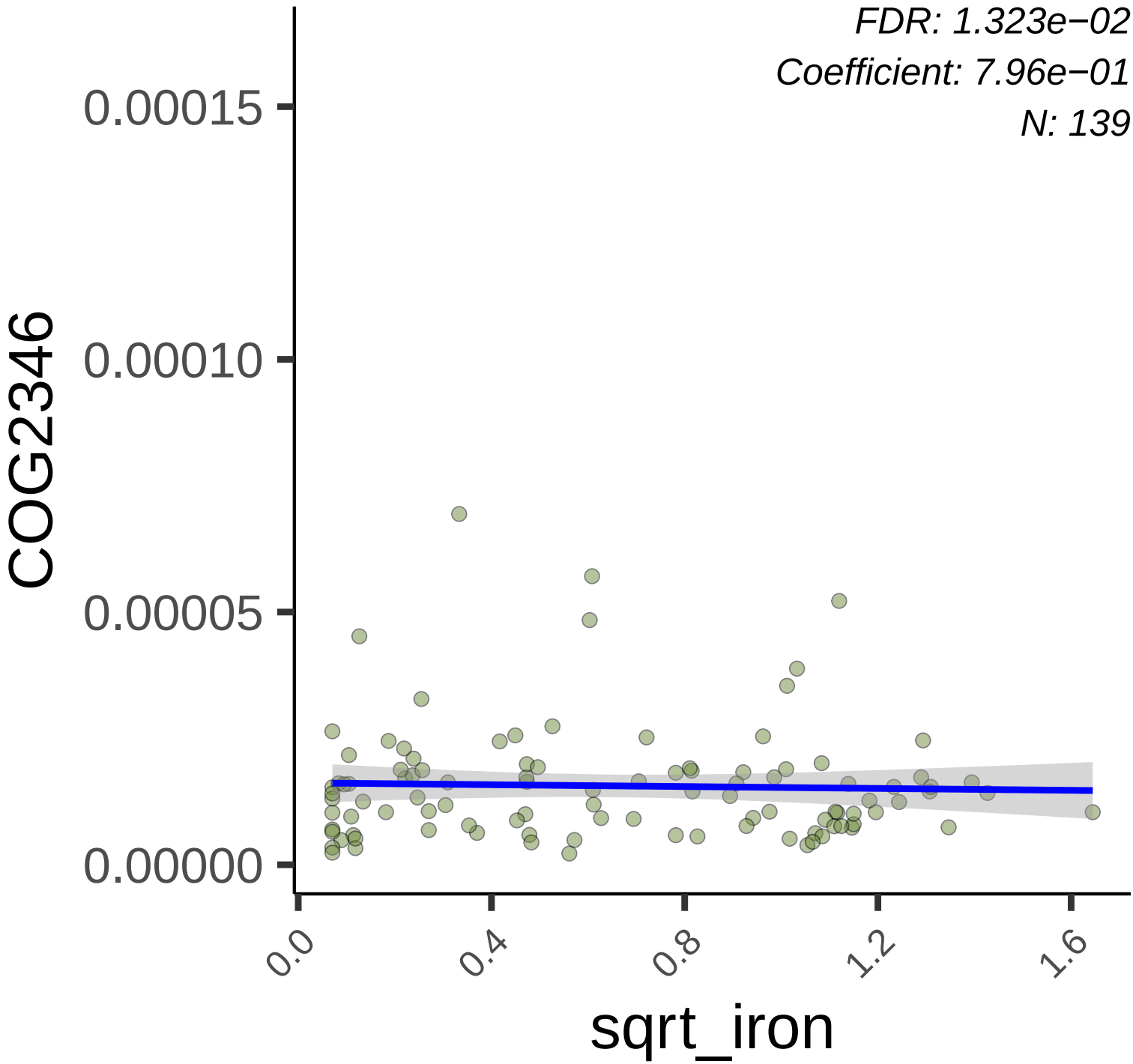
1.2
1.6
sqrt_iron


FDR: 1.323e−02
Coefficient: 7.96e−01
N: 139
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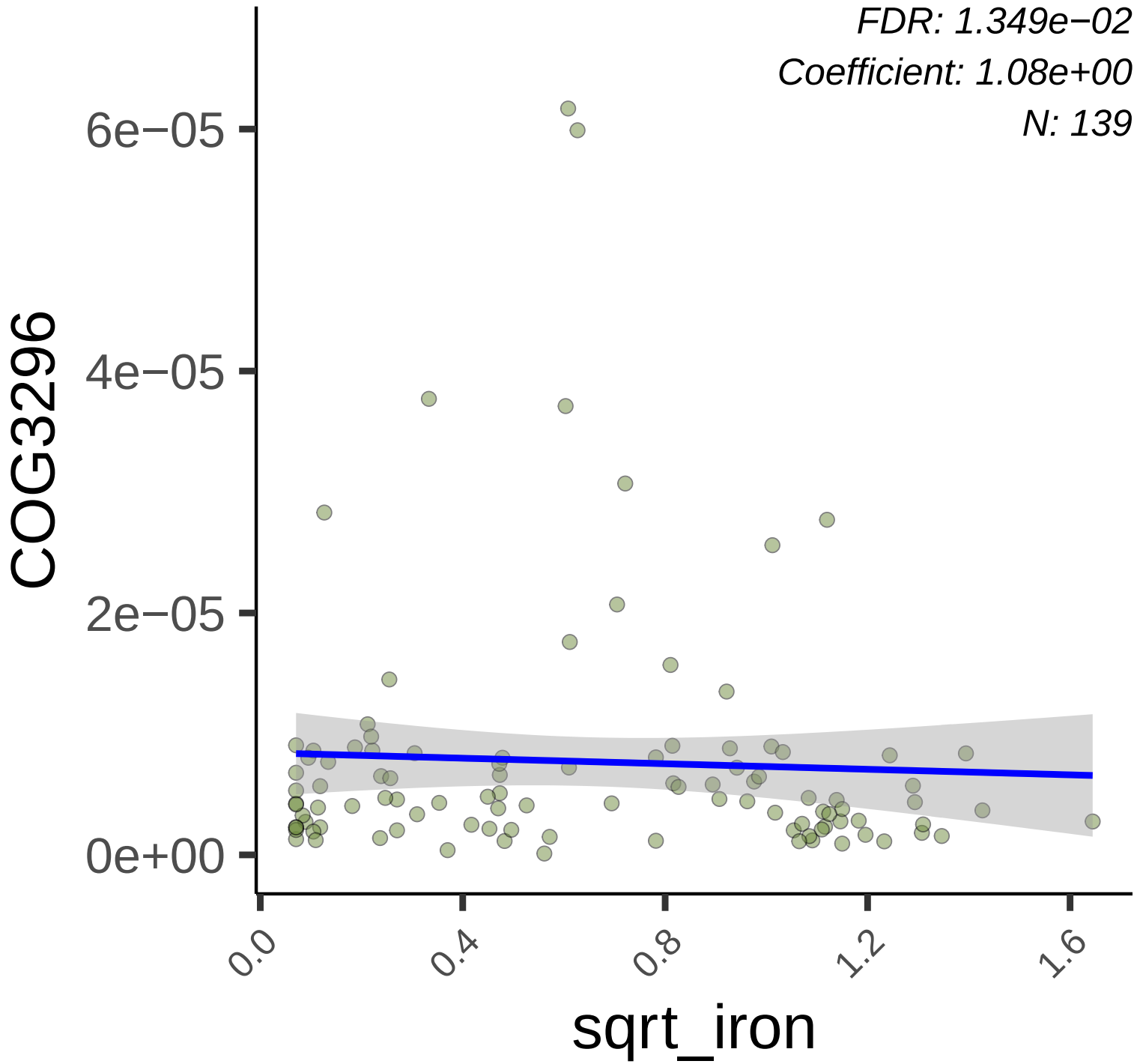
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.349e−02
Coefficient: 1.08e+00
N: 139
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4e−05
2e−05
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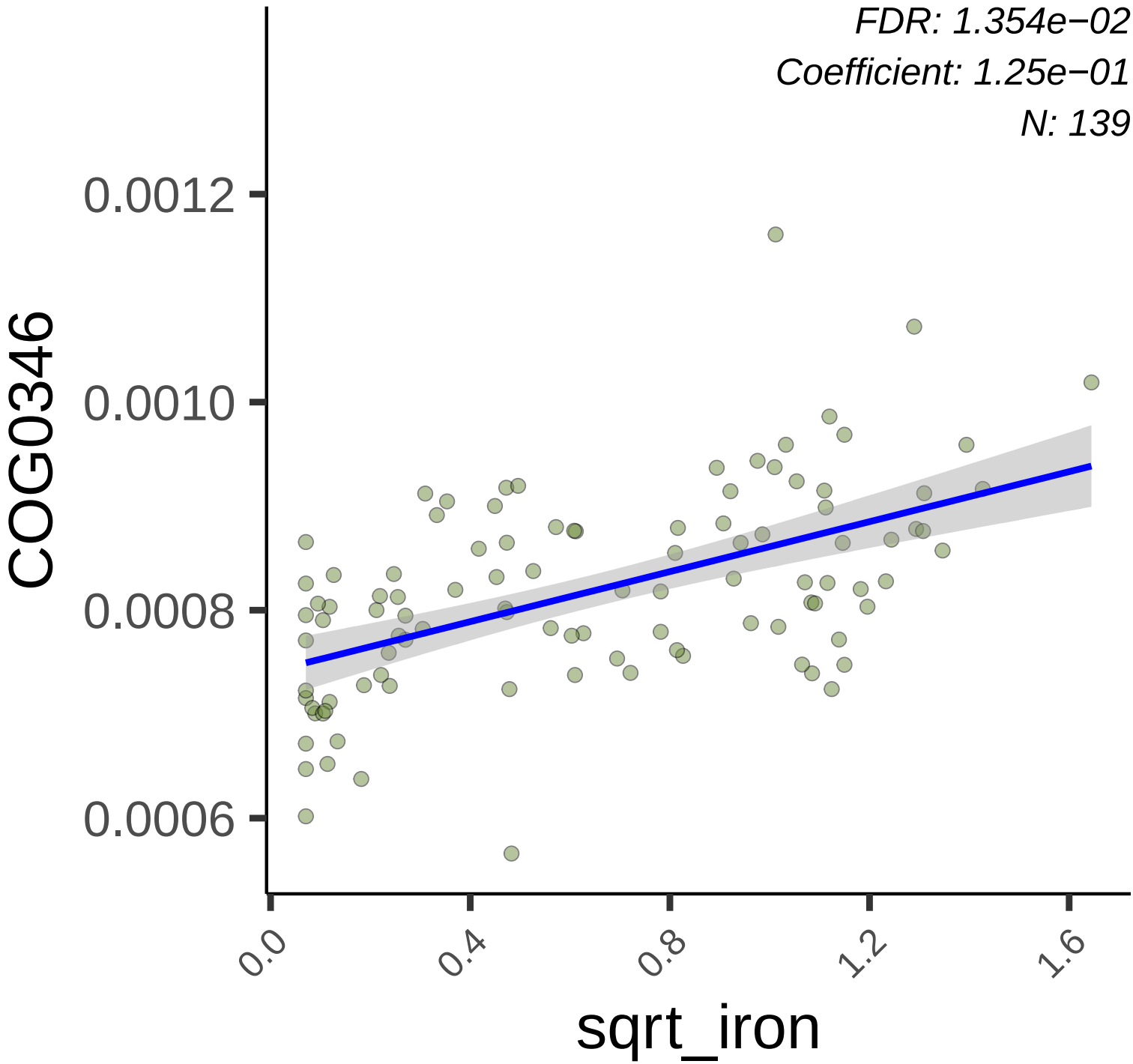
0.8
1.2
1.6
sqrt_iron


FDR: 1.354e−02
Coefficient: 1.25e−01
N: 139
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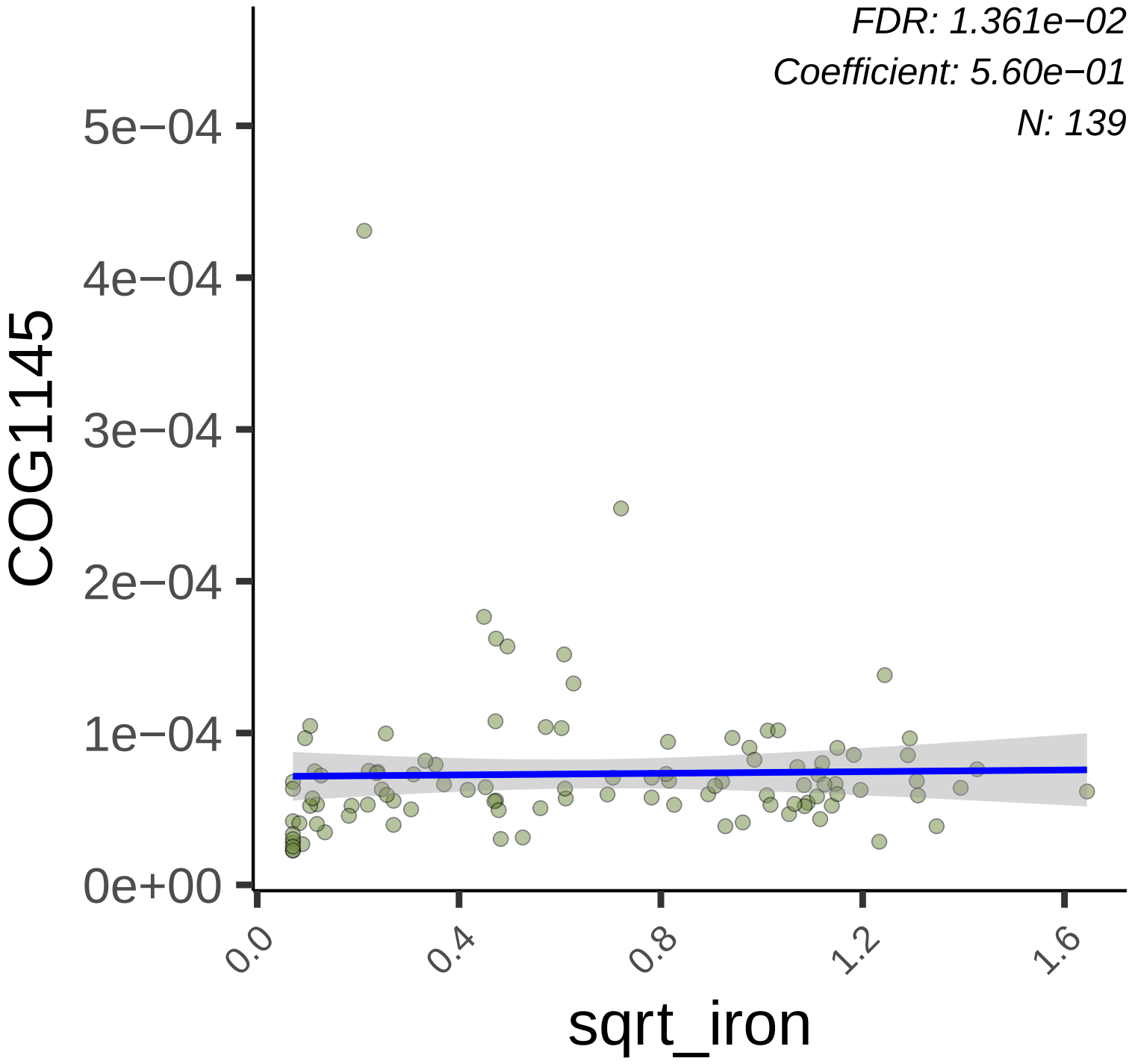
1.6
sqrt_iron


FDR: 1.361e−02
Coefficient: 5.60e−01
N: 139
COG1145
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4e−04
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2e−04
1e−04
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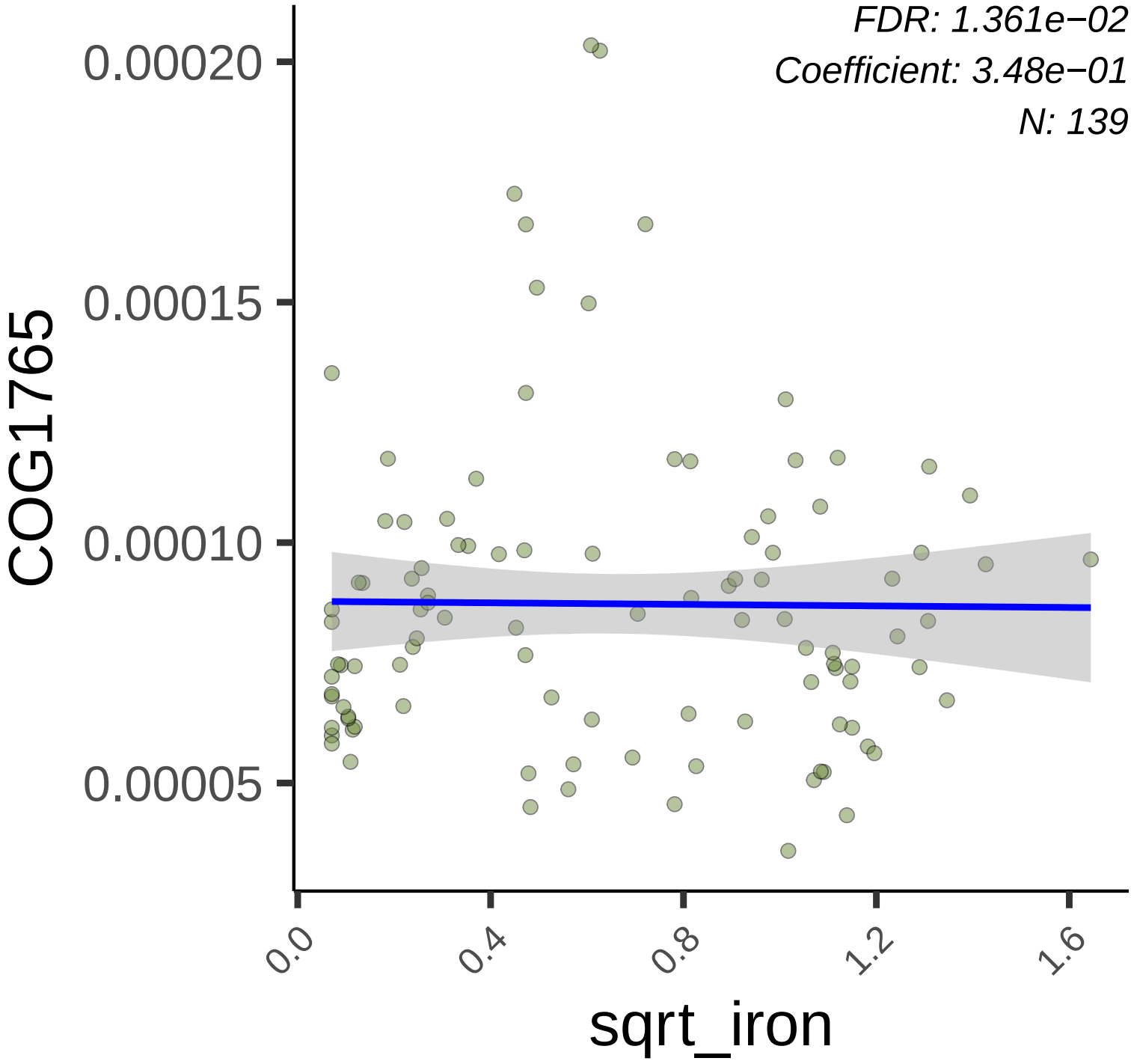
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.361e−02
Coefficient: 3.48e−01
N: 139
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0.00005
COG1765
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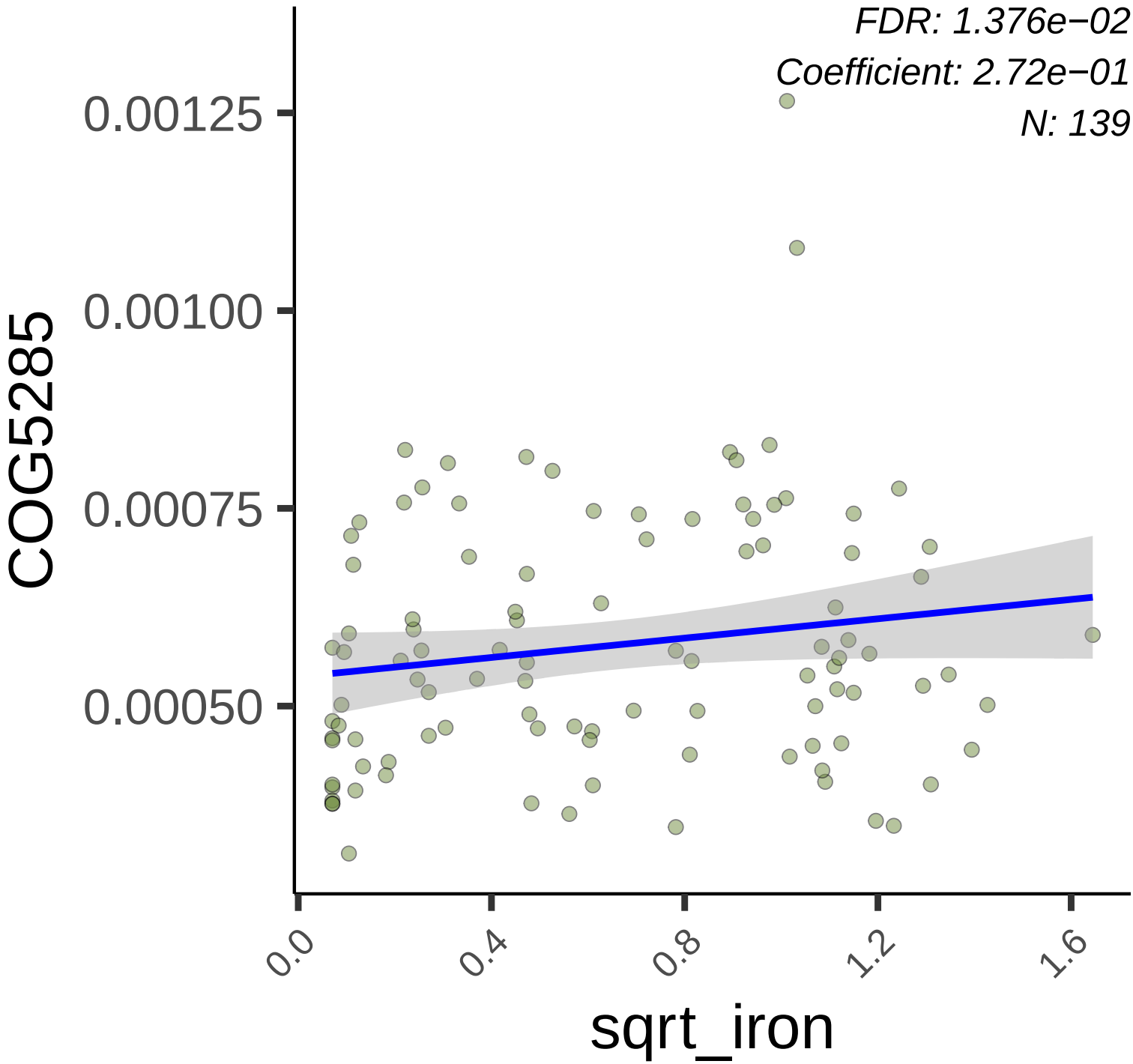
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.376e−02
Coefficient: 2.72e−01
N: 139
COG5285
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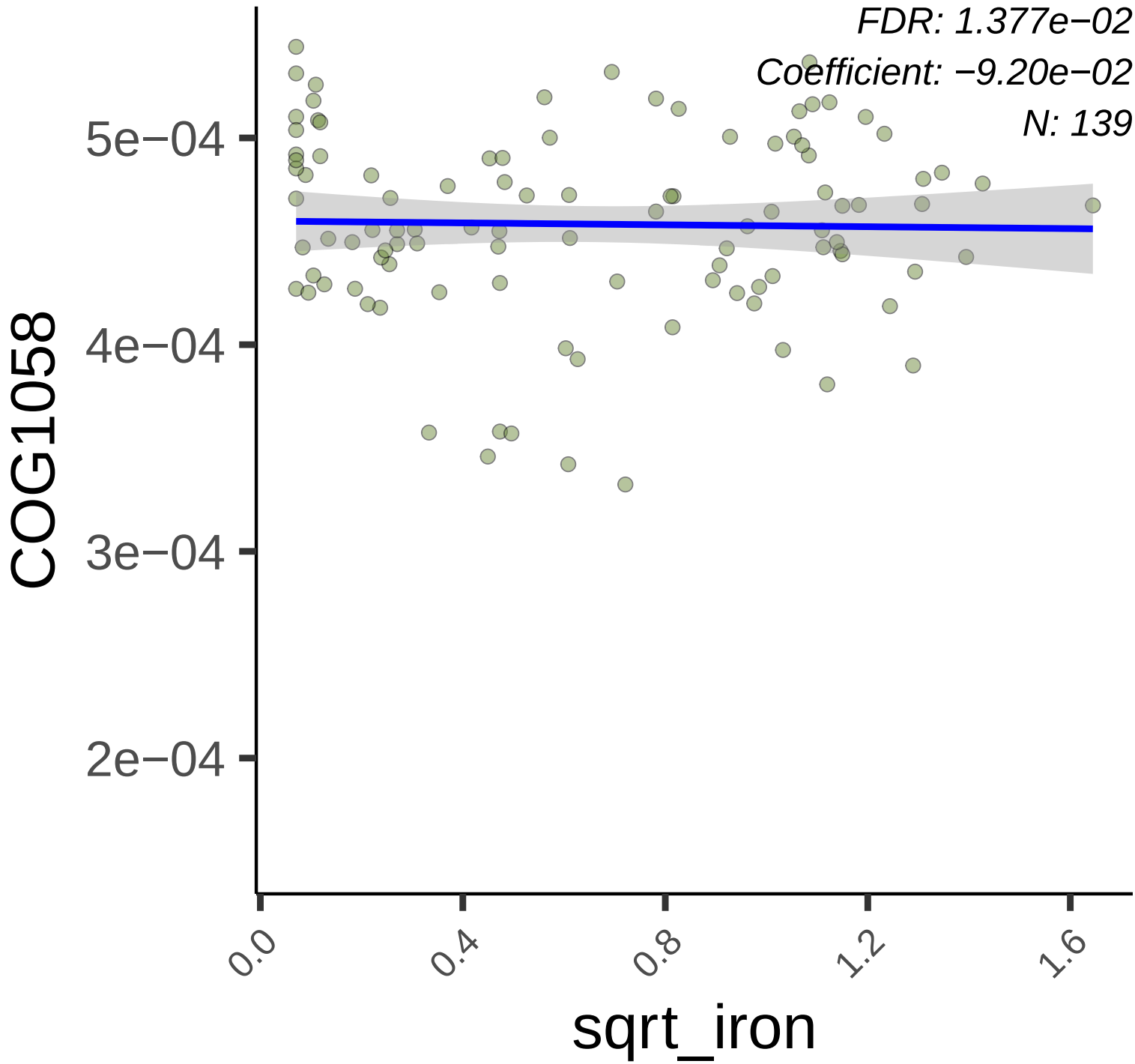
0.00075
0.00050
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.377e−02
Coefficient: −9.20e−02
N: 139
COG1058
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3e−04
2e−04
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0.4
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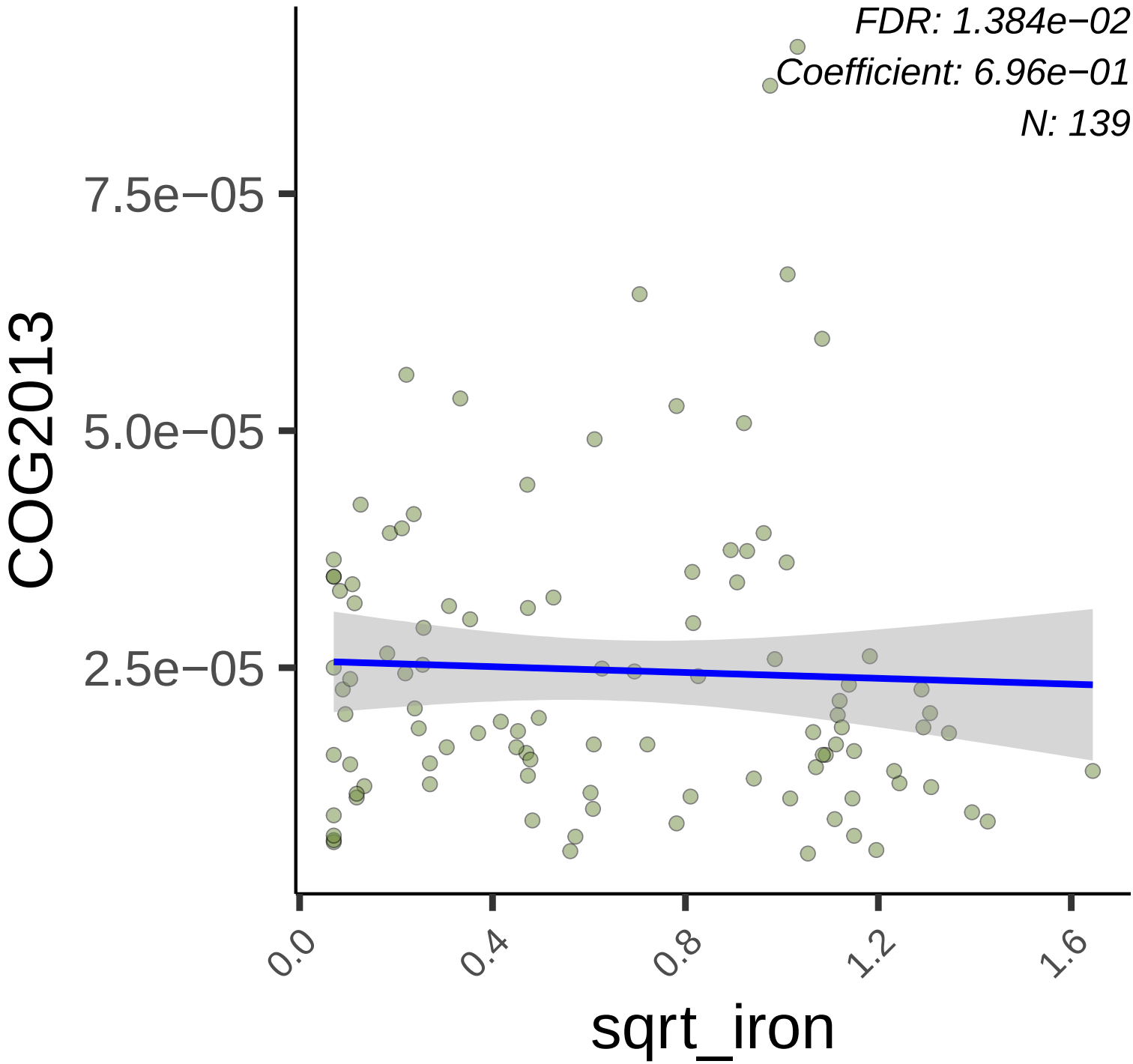
1.6
sqrt_iron


FDR: 1.384e−02
Coefficient: 6.96e−01
N: 139
7.5e−05
5.0e−05
2.5e−05
COG2013
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0.4
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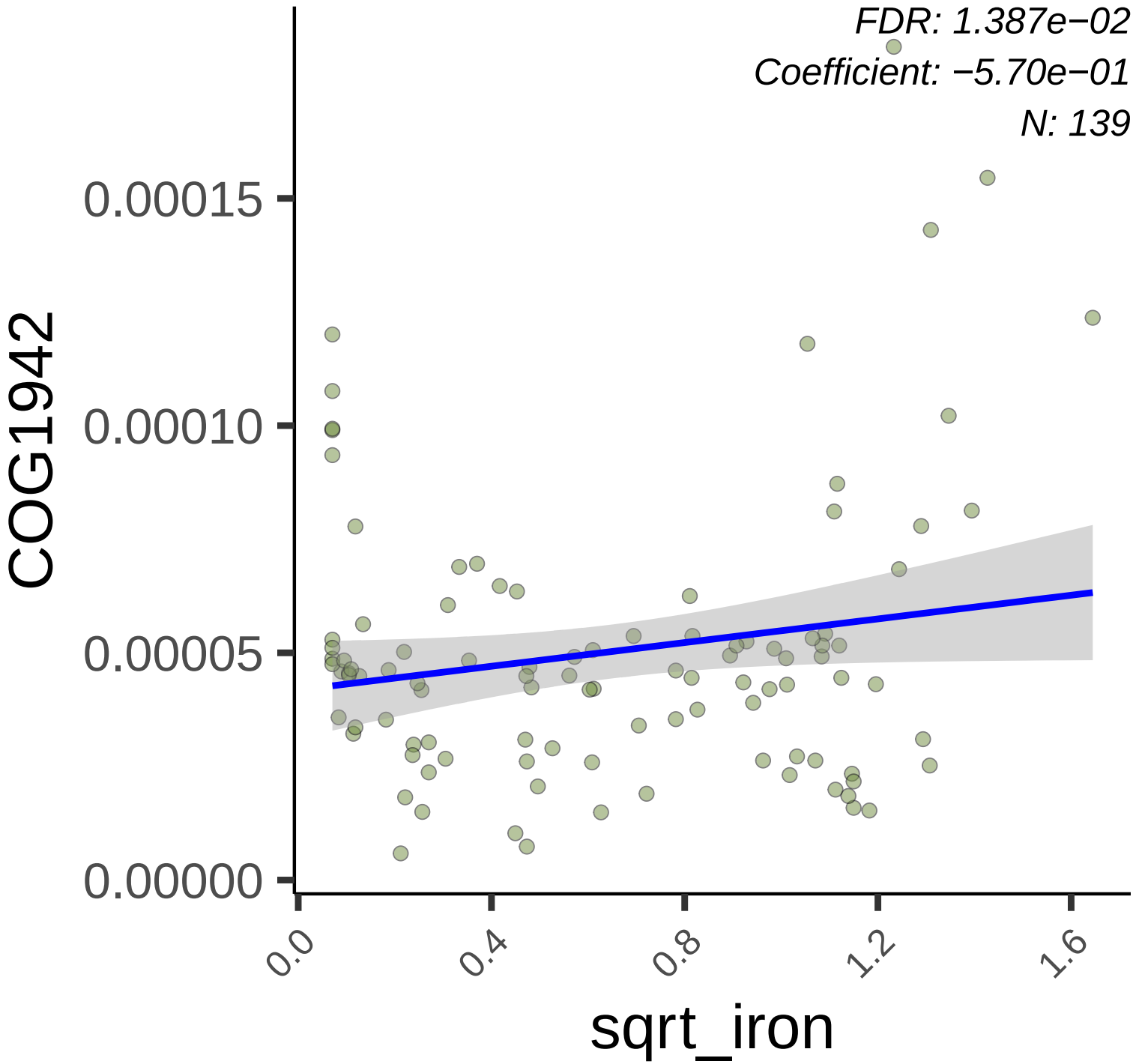
1.6
sqrt_iron


FDR: 1.387e−02
Coefficient: −5.70e−01
N: 139
COG1942
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0.4
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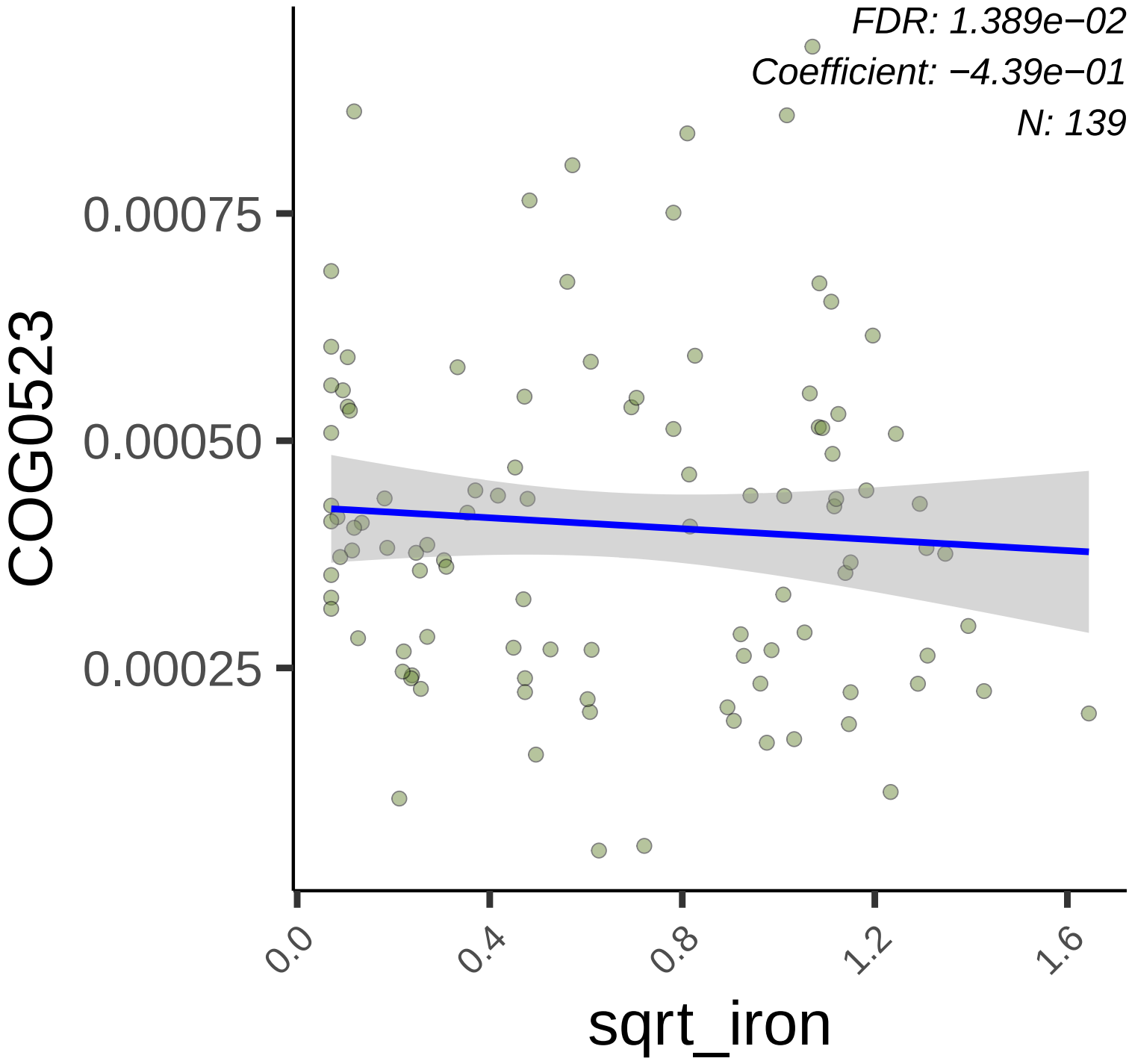
1.2
1.6
sqrt_iron


FDR: 1.389e−02
Coefficient: −4.39e−01
N: 139
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0.00050
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COG0523
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0.4
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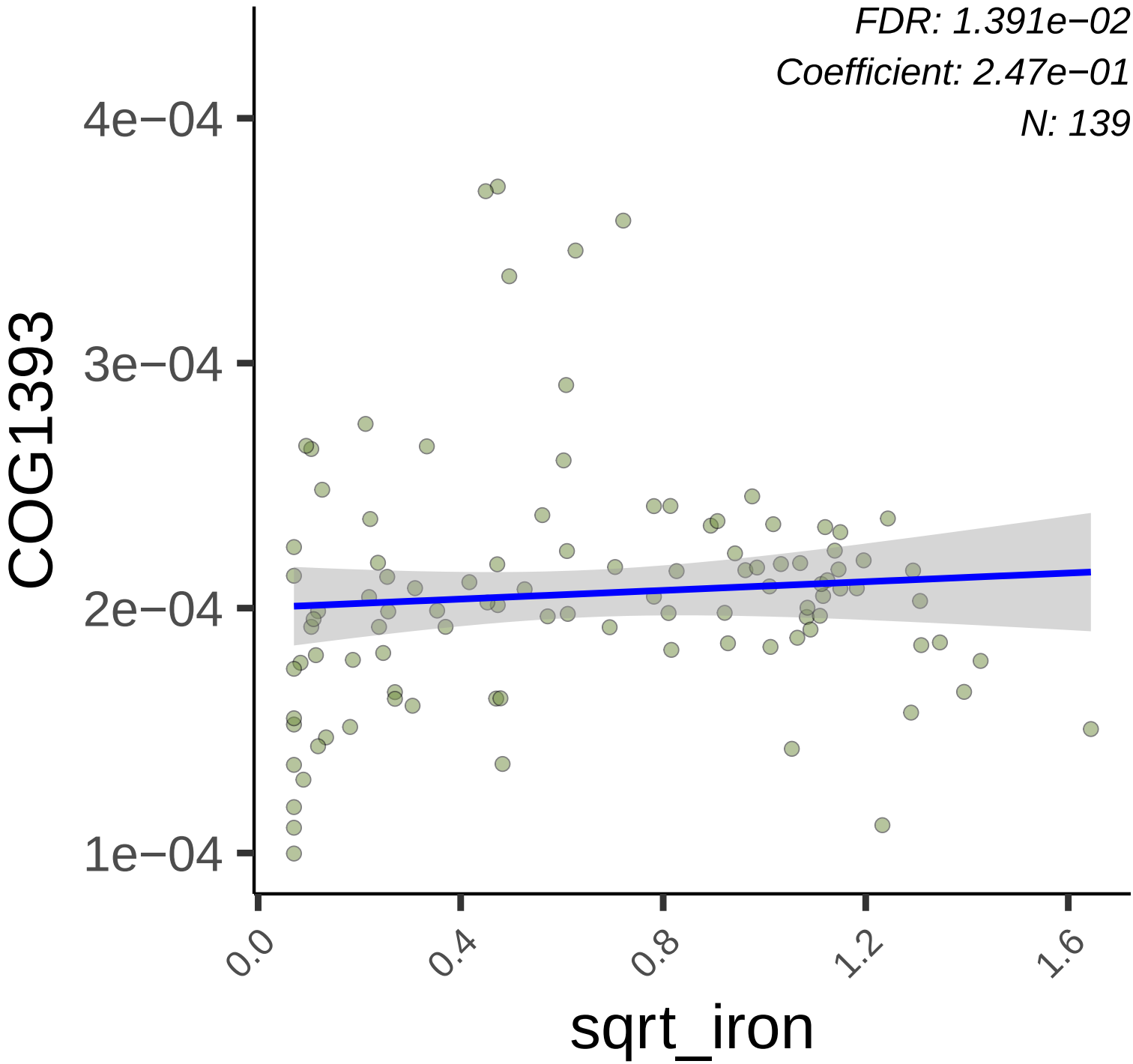
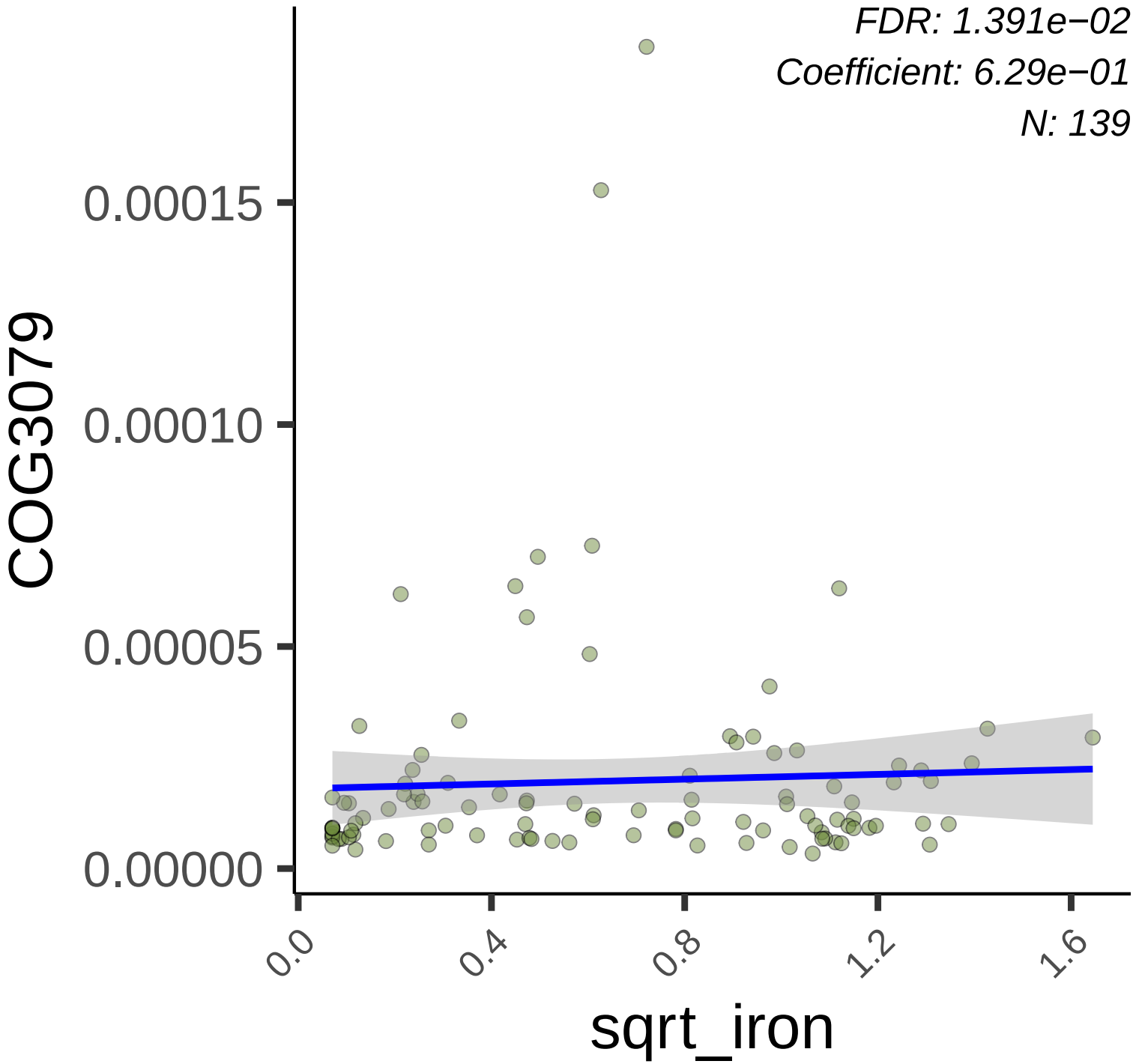
1.6
sqrt_iron


FDR: 1.391e−02
Coefficient: 2.47e−01
N: 139
COG1393
4e−04
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.391e−02
Coefficient: 6.29e−01
N: 139
COG3079
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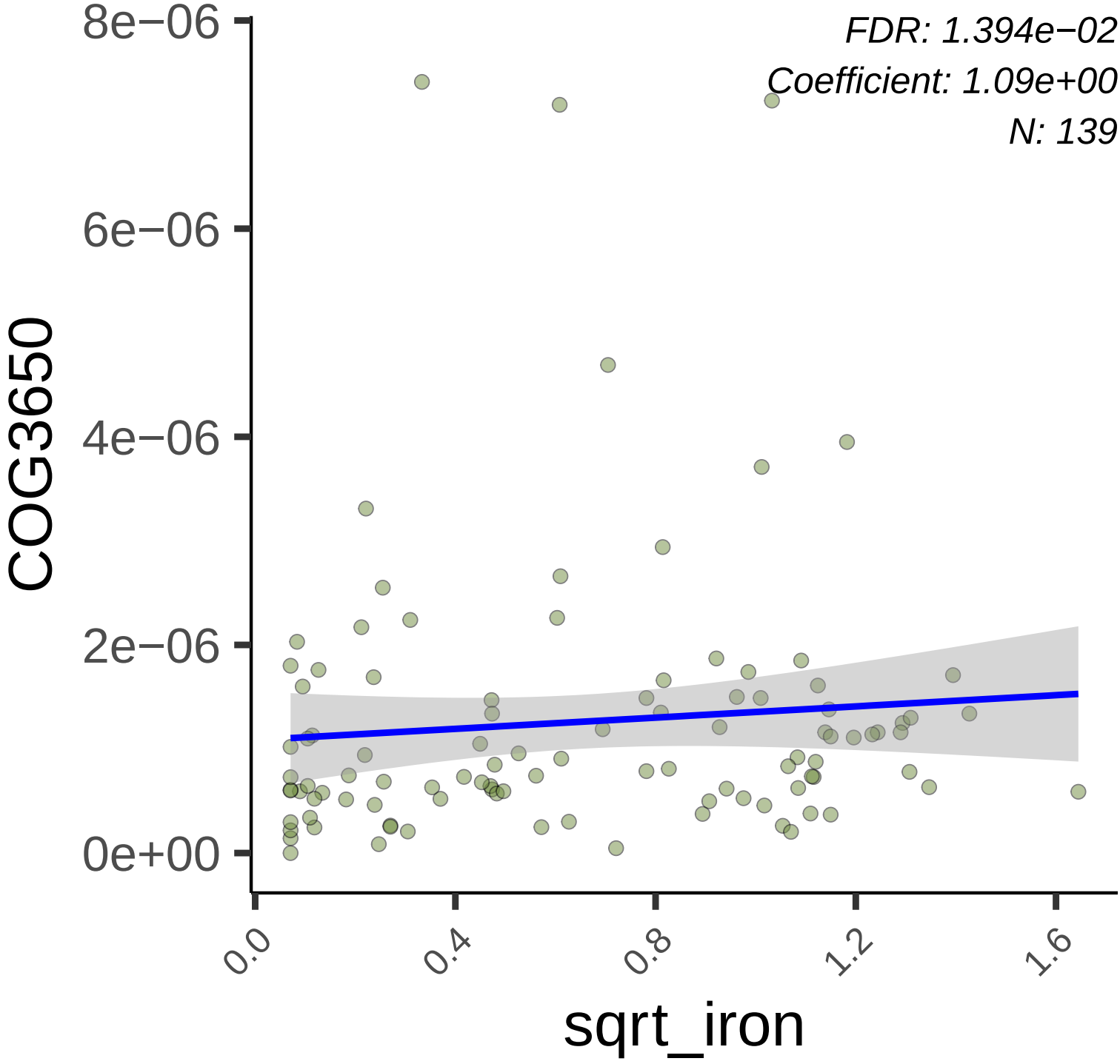
sqrt_iron


FDR: 1.394e−02
Coefficient: 1.09e+00
N: 139
COG3650
8e−06
6e−06
4e−06
2e−06
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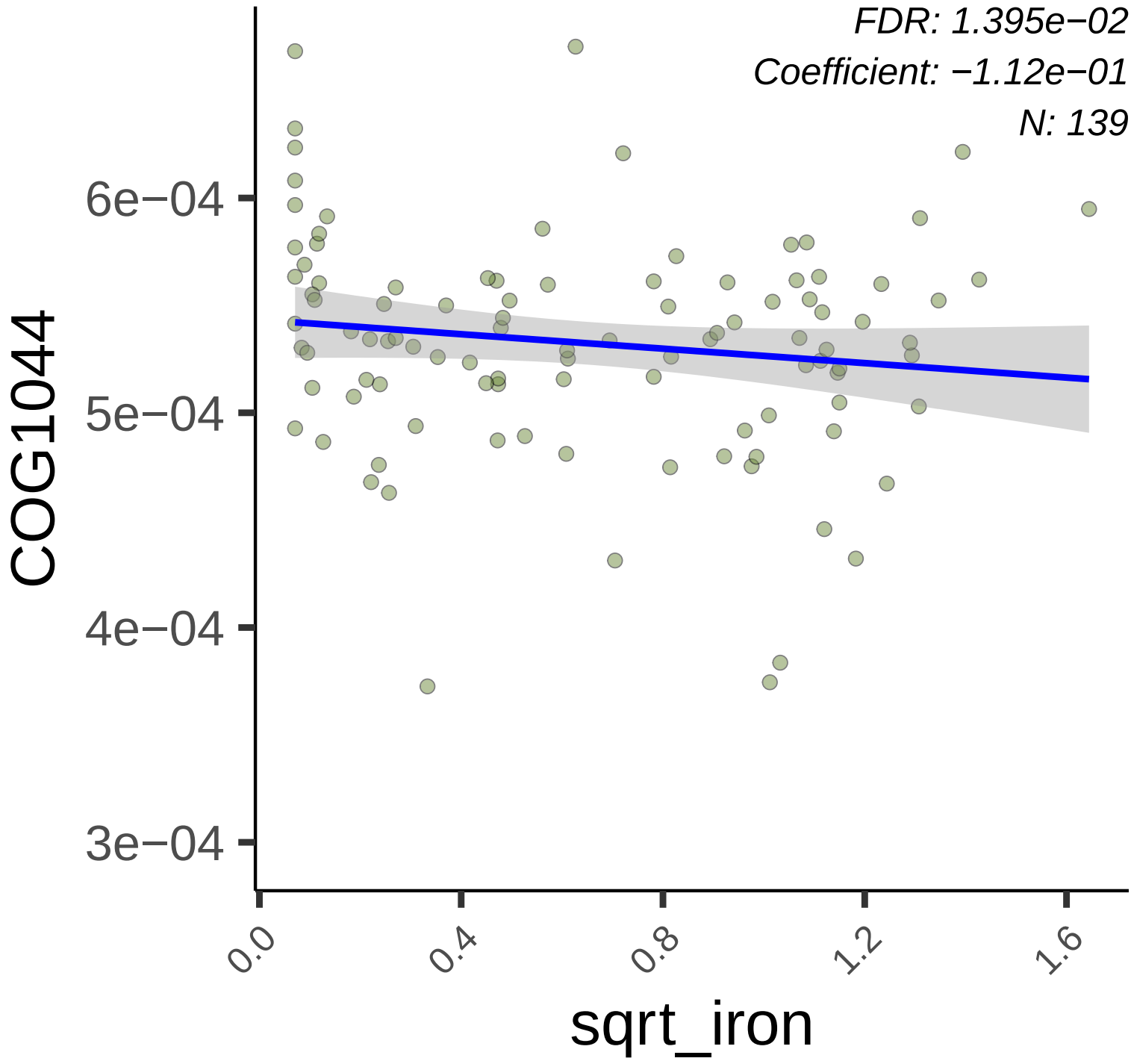
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.395e−02
Coefficient: −1.12e−01
N: 139
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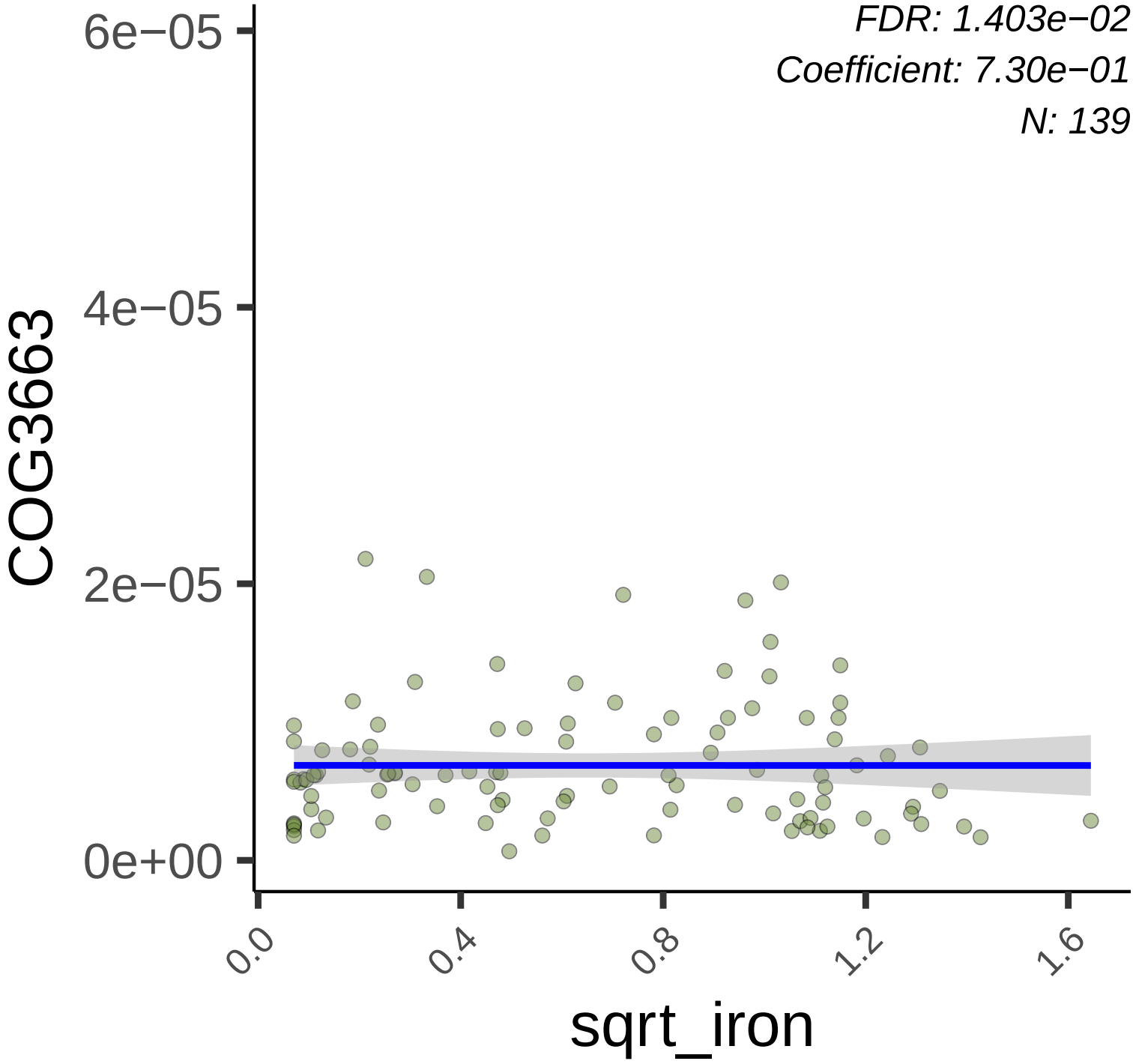
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.403e−02
Coefficient: 7.30e−01
N: 139
COG3663
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4e−05
2e−05
0e+00
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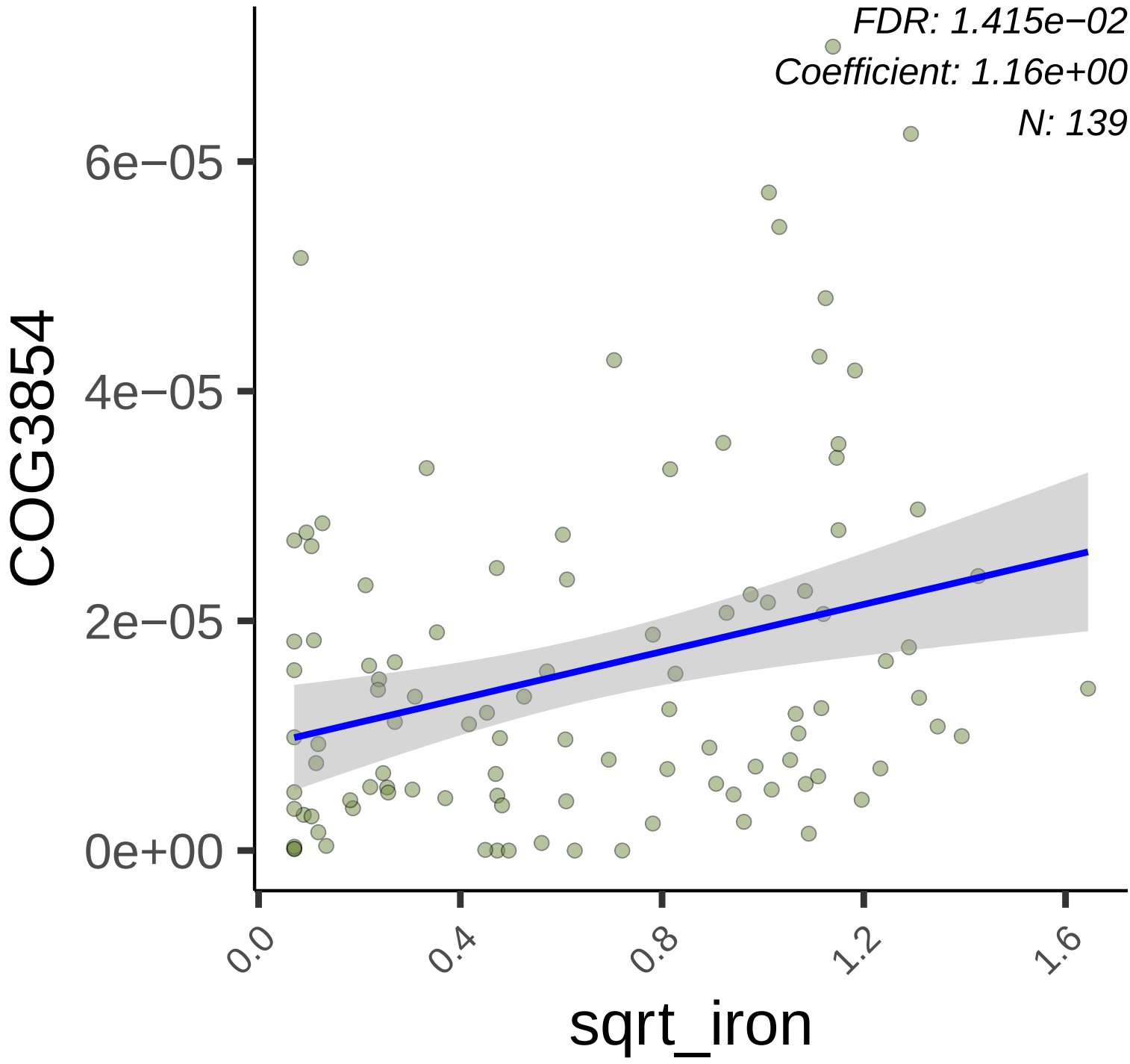
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.415e−02
Coefficient: 1.16e+00
N: 139
COG3854
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4e−05
2e−05
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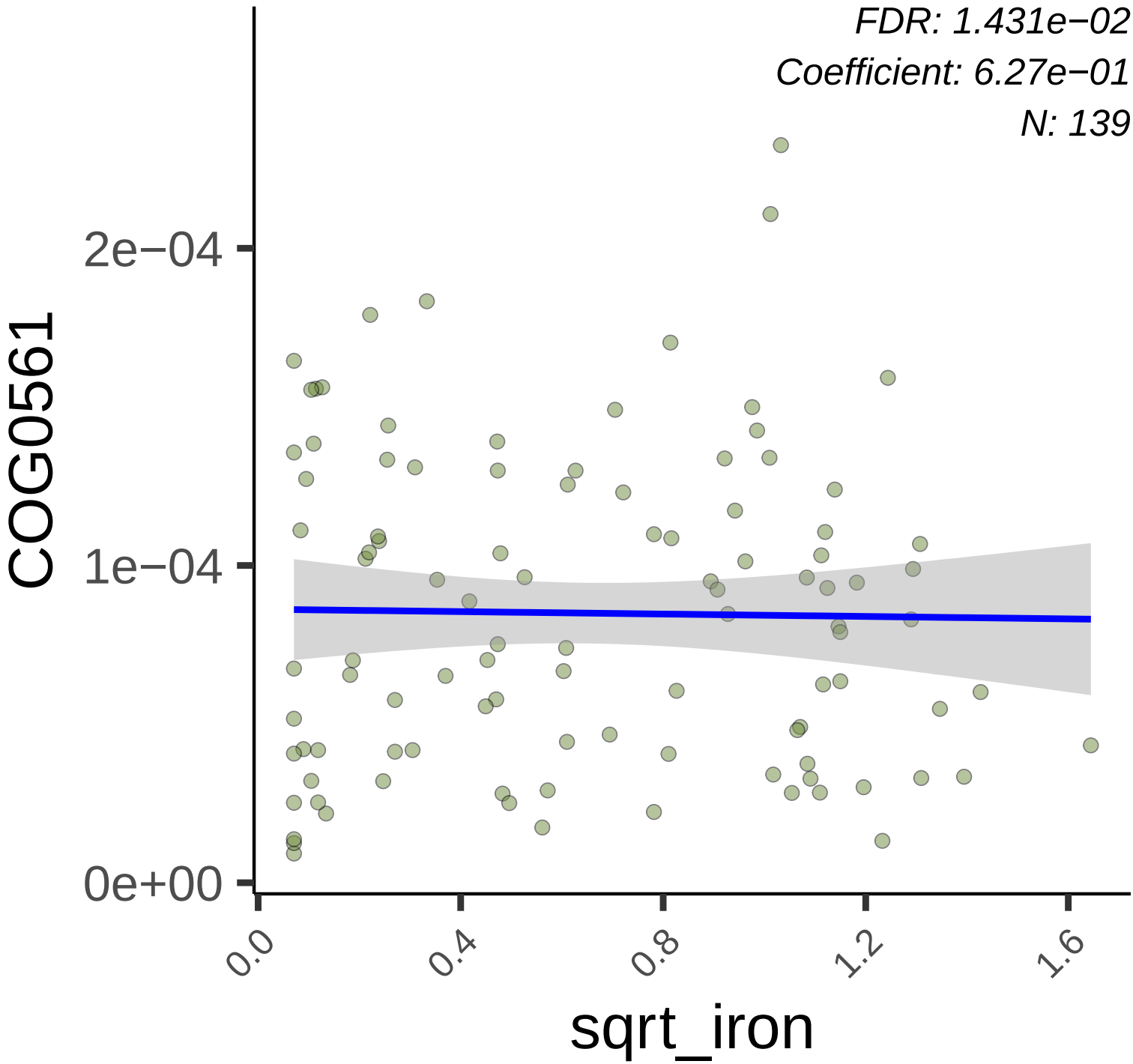
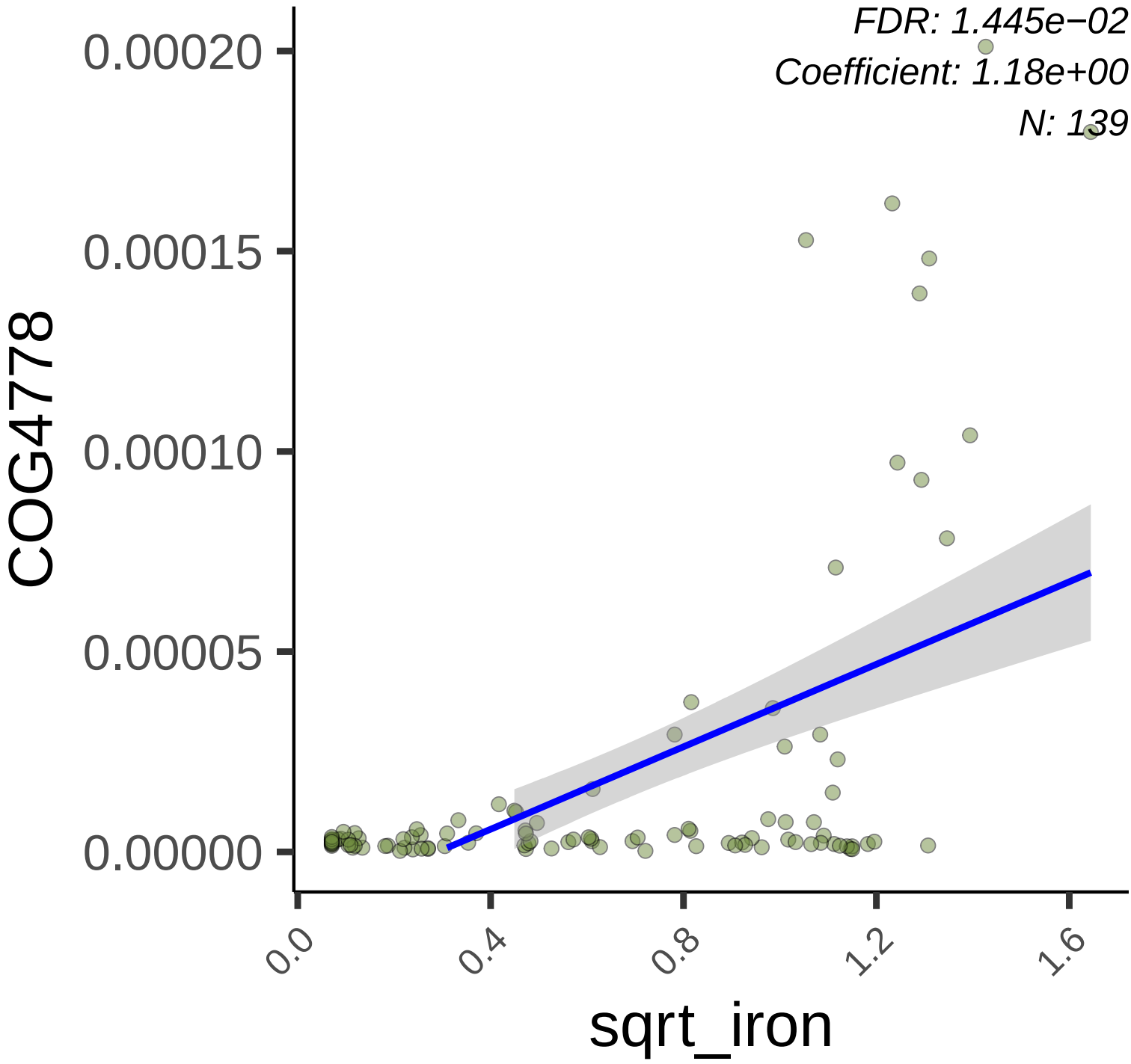
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.431e−02
Coefficient: 6.27e−01
N: 139
COG0561
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.445e−02
Coefficient: 1.18e+00
N: 139
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0.00005
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COG4778
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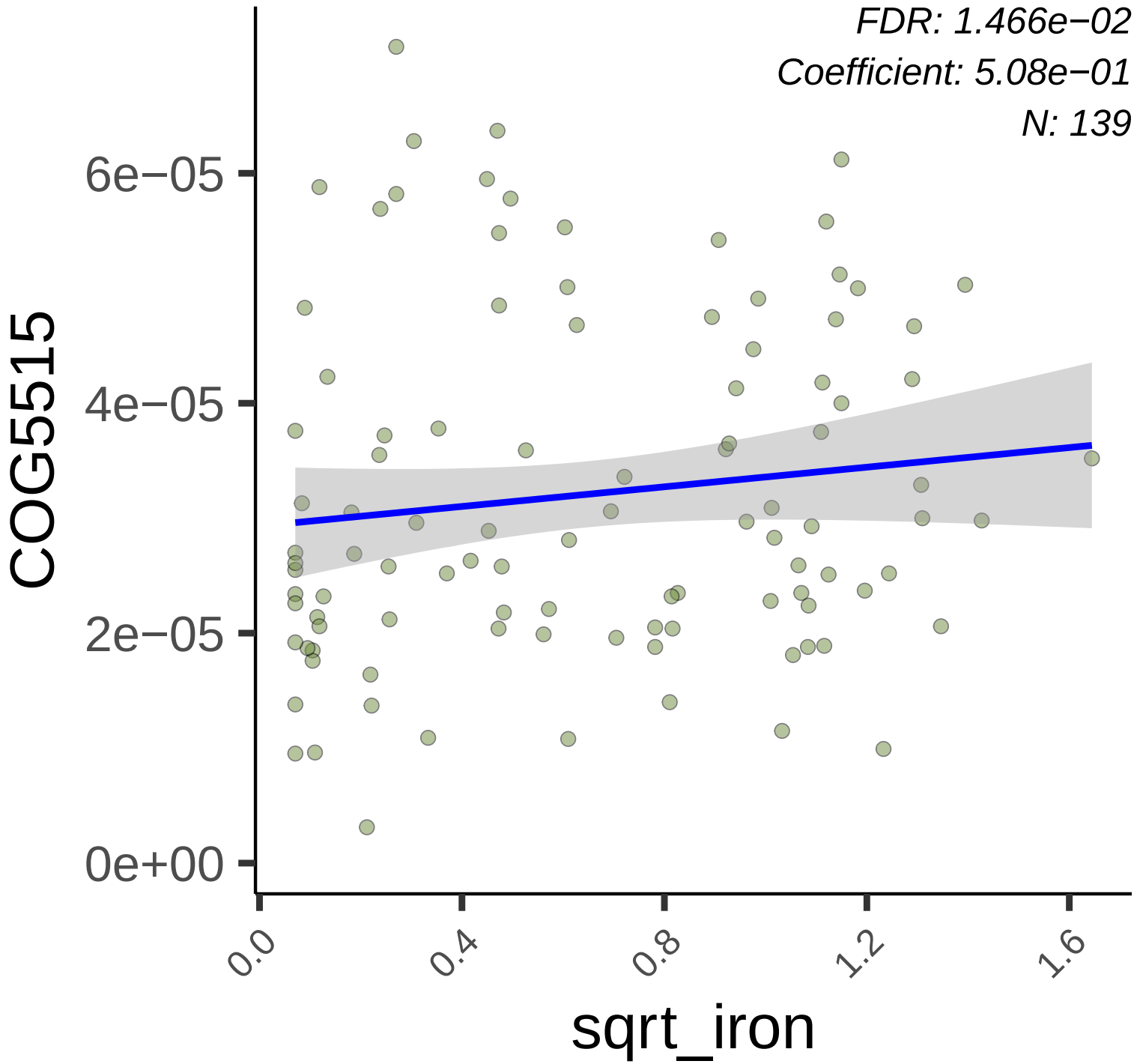
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.466e−02
Coefficient: 5.08e−01
N: 139
COG5515
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4e−05
2e−05
0e+00
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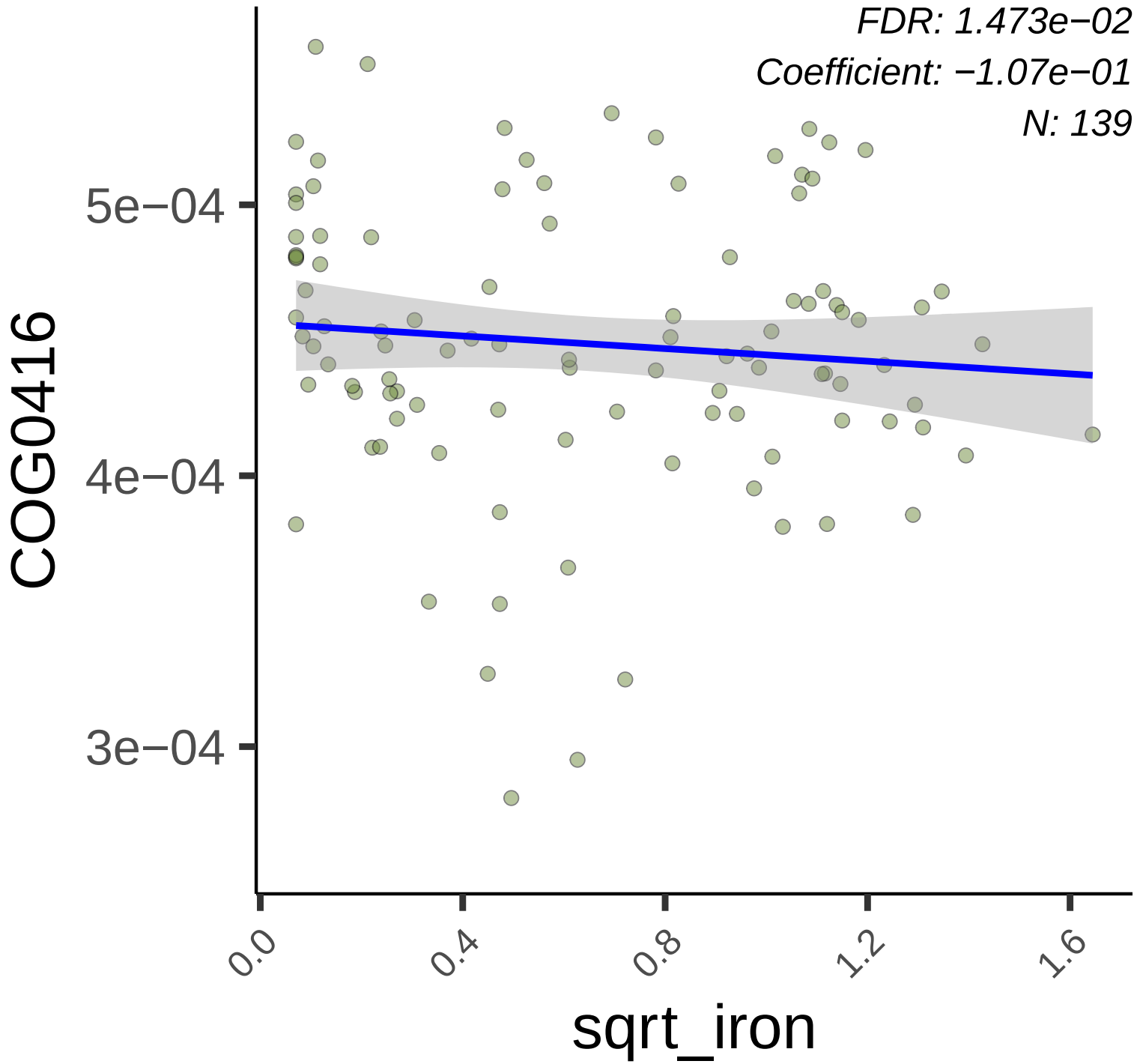
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.473e−02
Coefficient: −1.07e−01
N: 139
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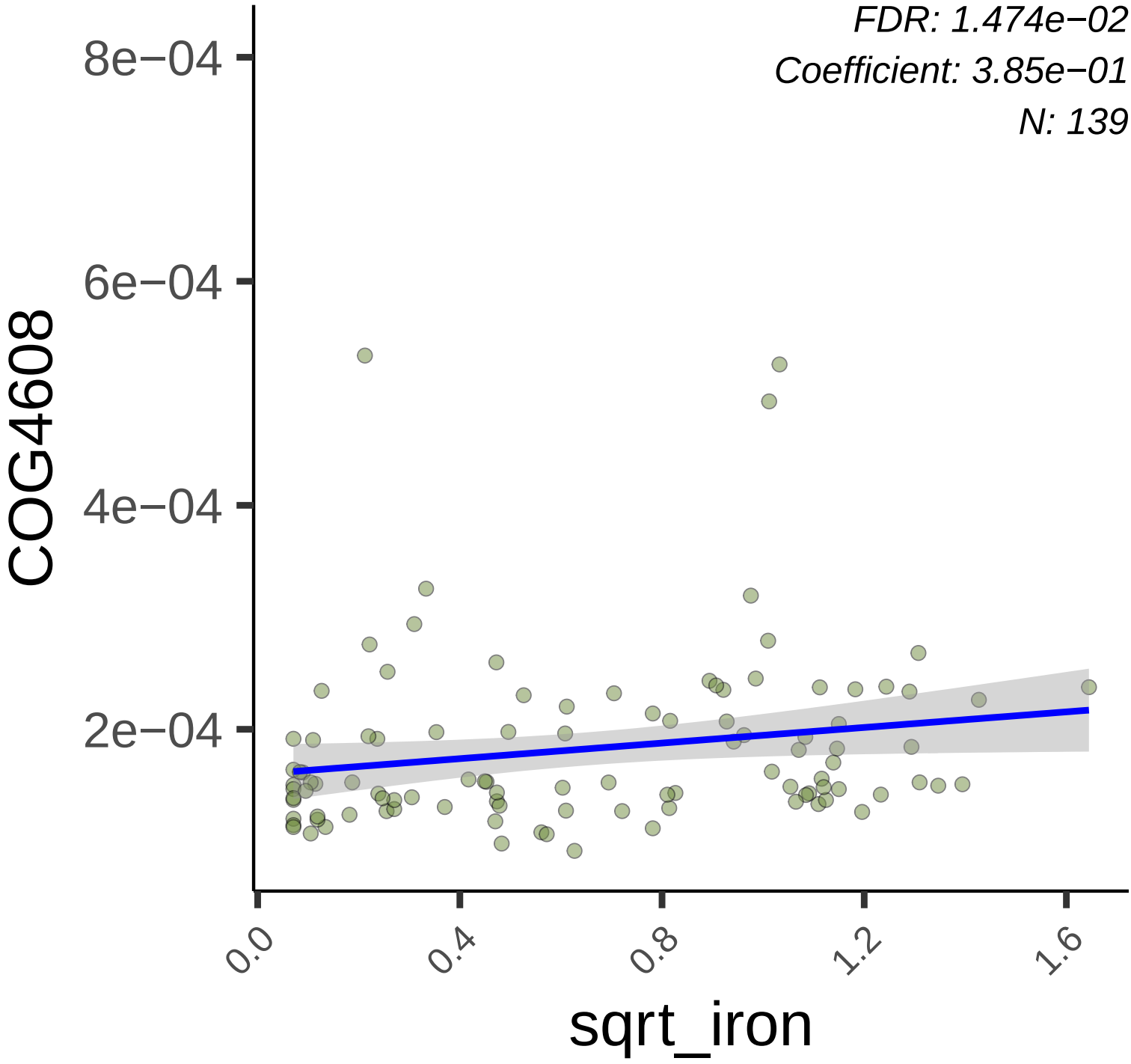
4e−04
3e−04
COG0416
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.474e−02
Coefficient: 3.85e−01
N: 139
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6e−04
4e−04
2e−04
COG4608
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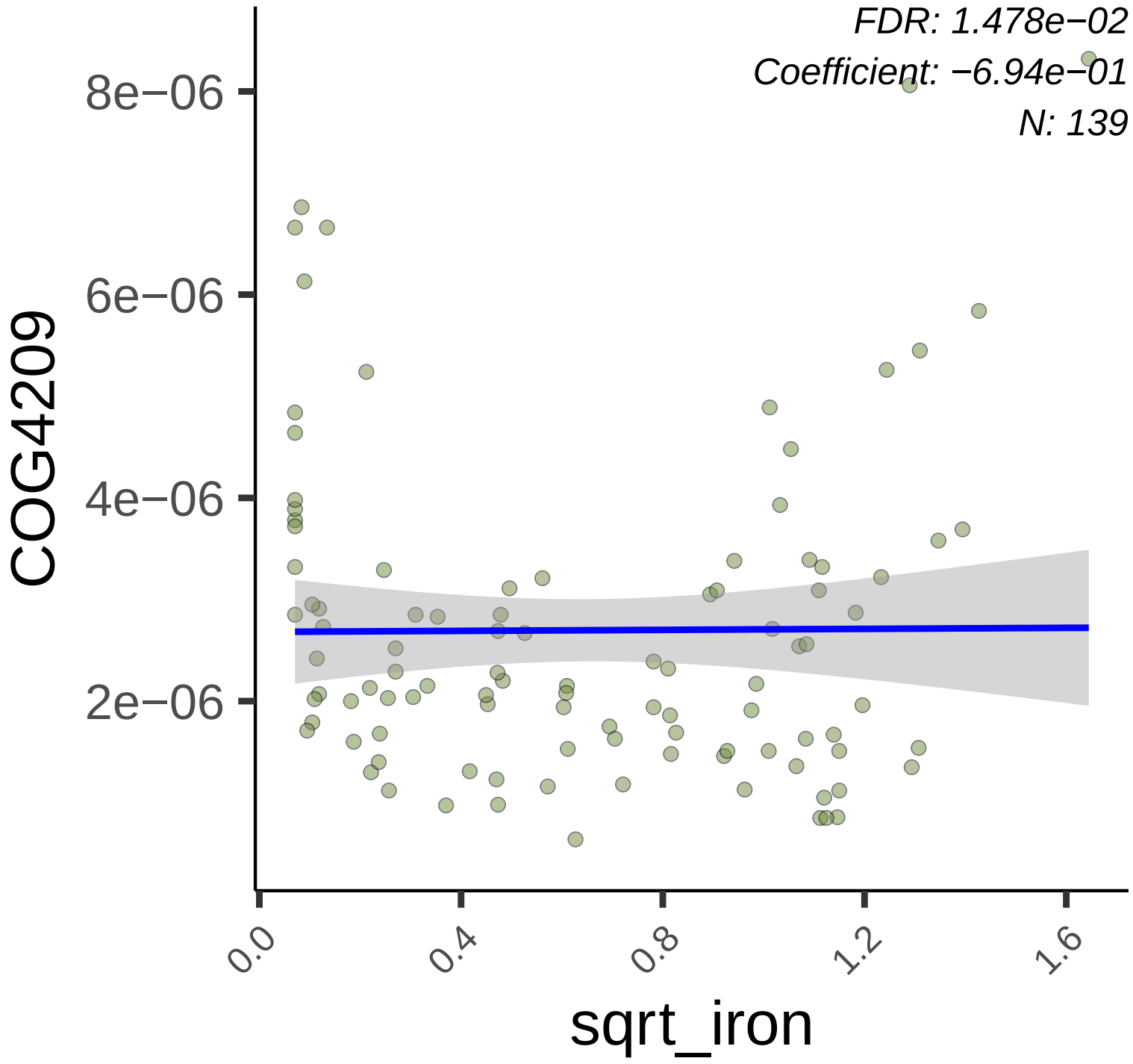
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.478e−02
Coefficient: −6.94e−01
N: 139
8e−06
6e−06
4e−06
2e−06
COG4209
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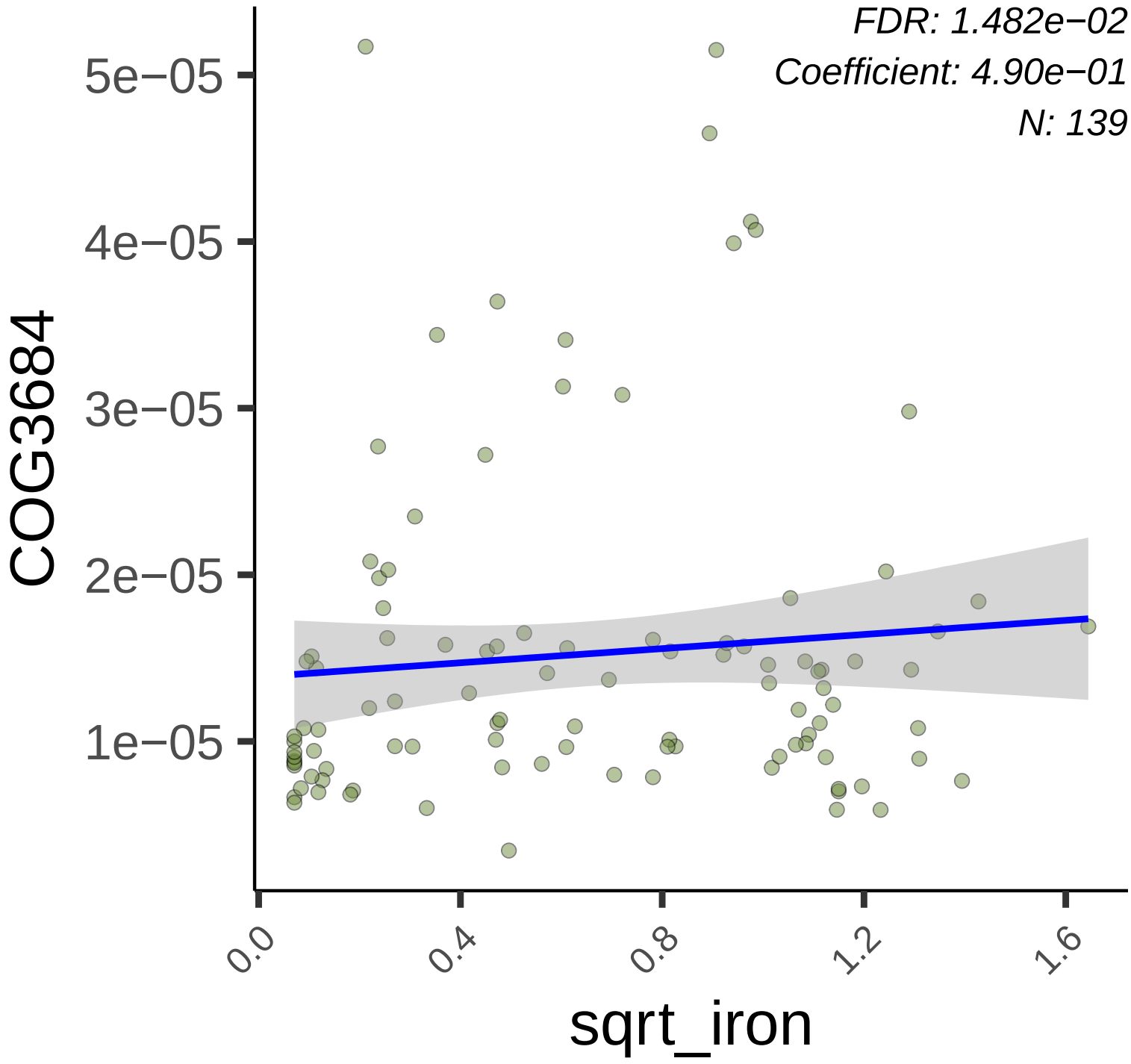
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.482e−02
Coefficient: 4.90e−01
N: 139
5e−05
4e−05
3e−05
2e−05
1e−05
COG3684
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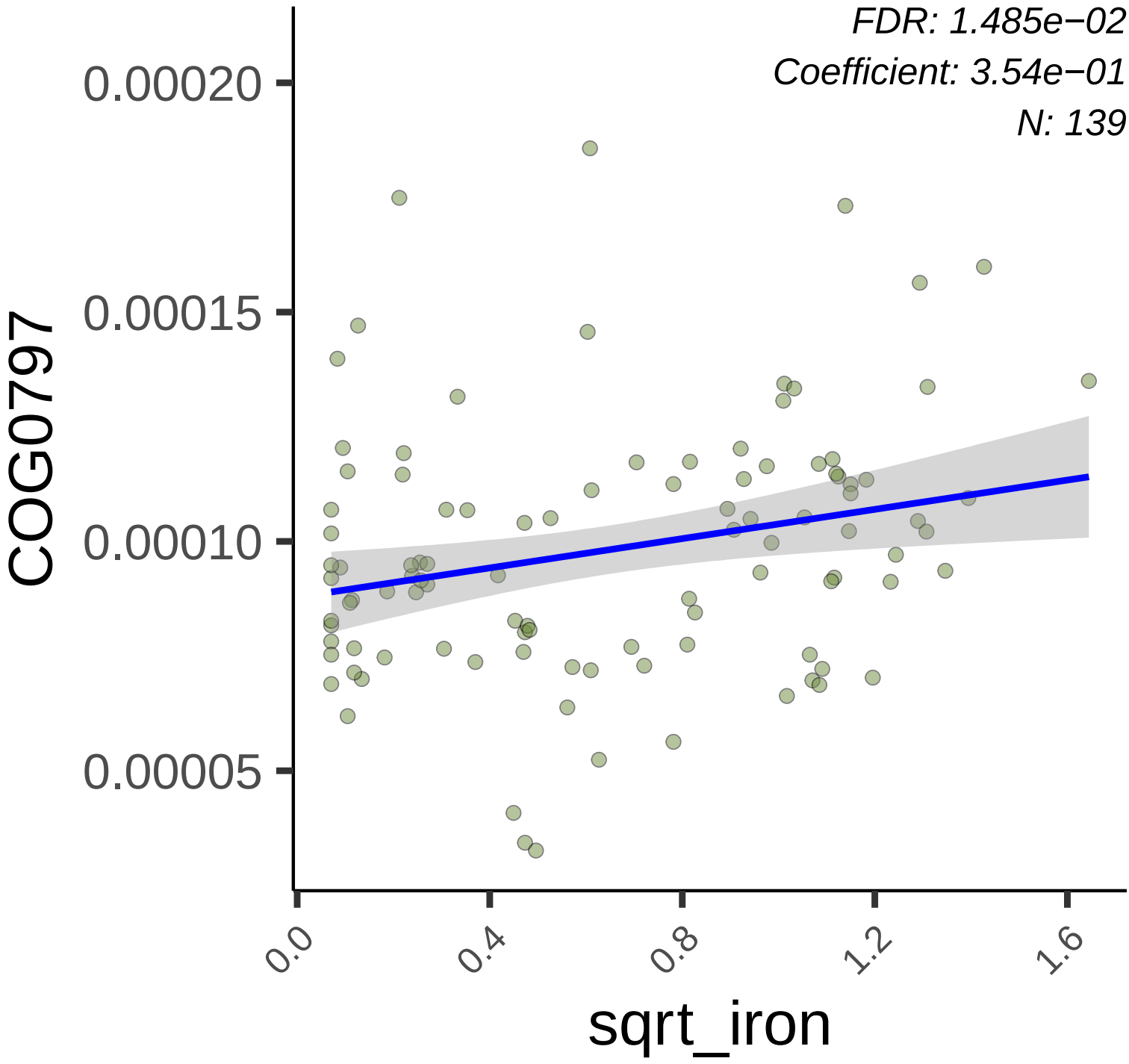
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.485e−02
Coefficient: 3.54e−01
N: 139
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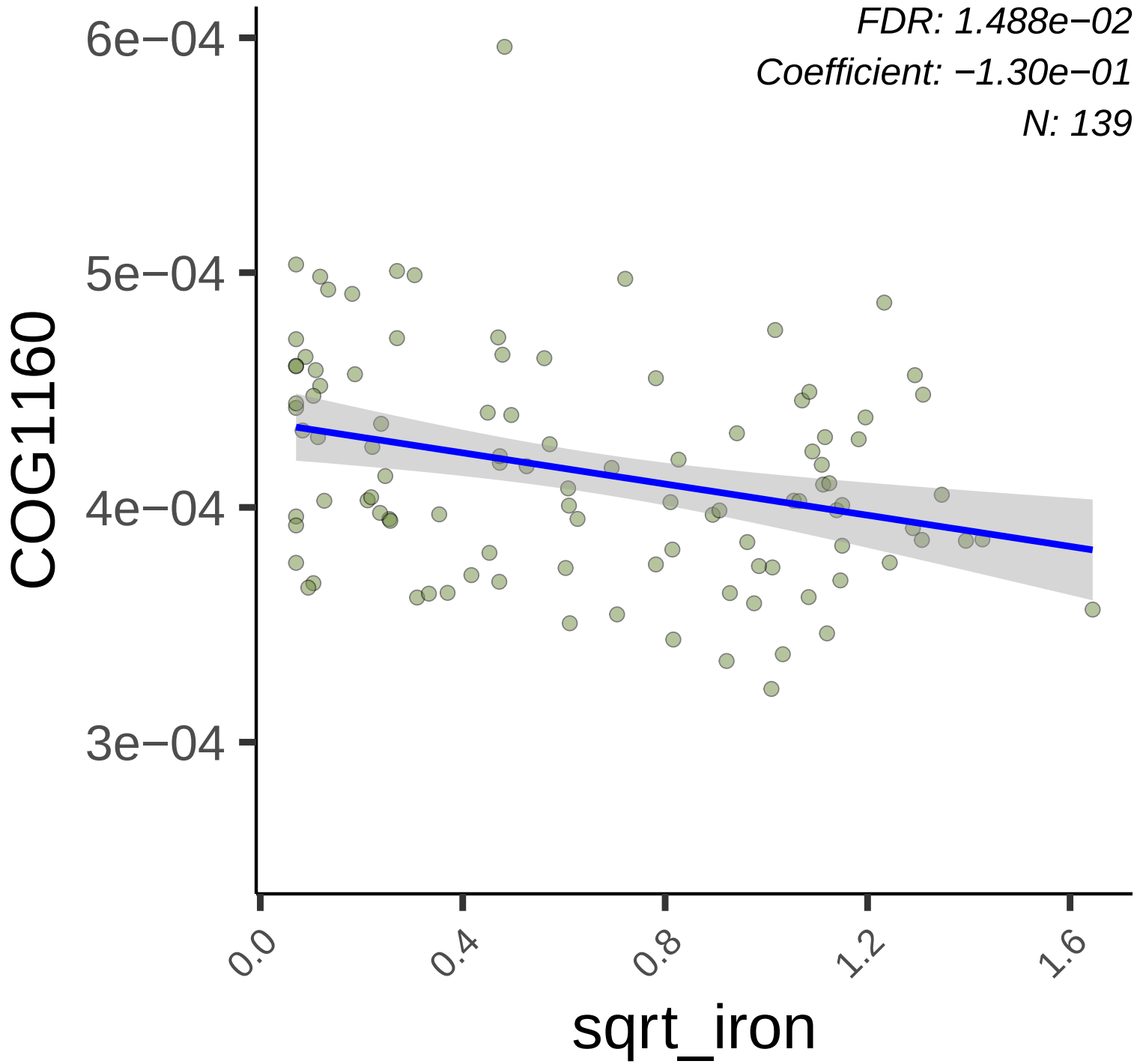
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.488e−02
Coefficient: −1.30e−01
N: 139
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5e−04
4e−04
3e−04
COG1160
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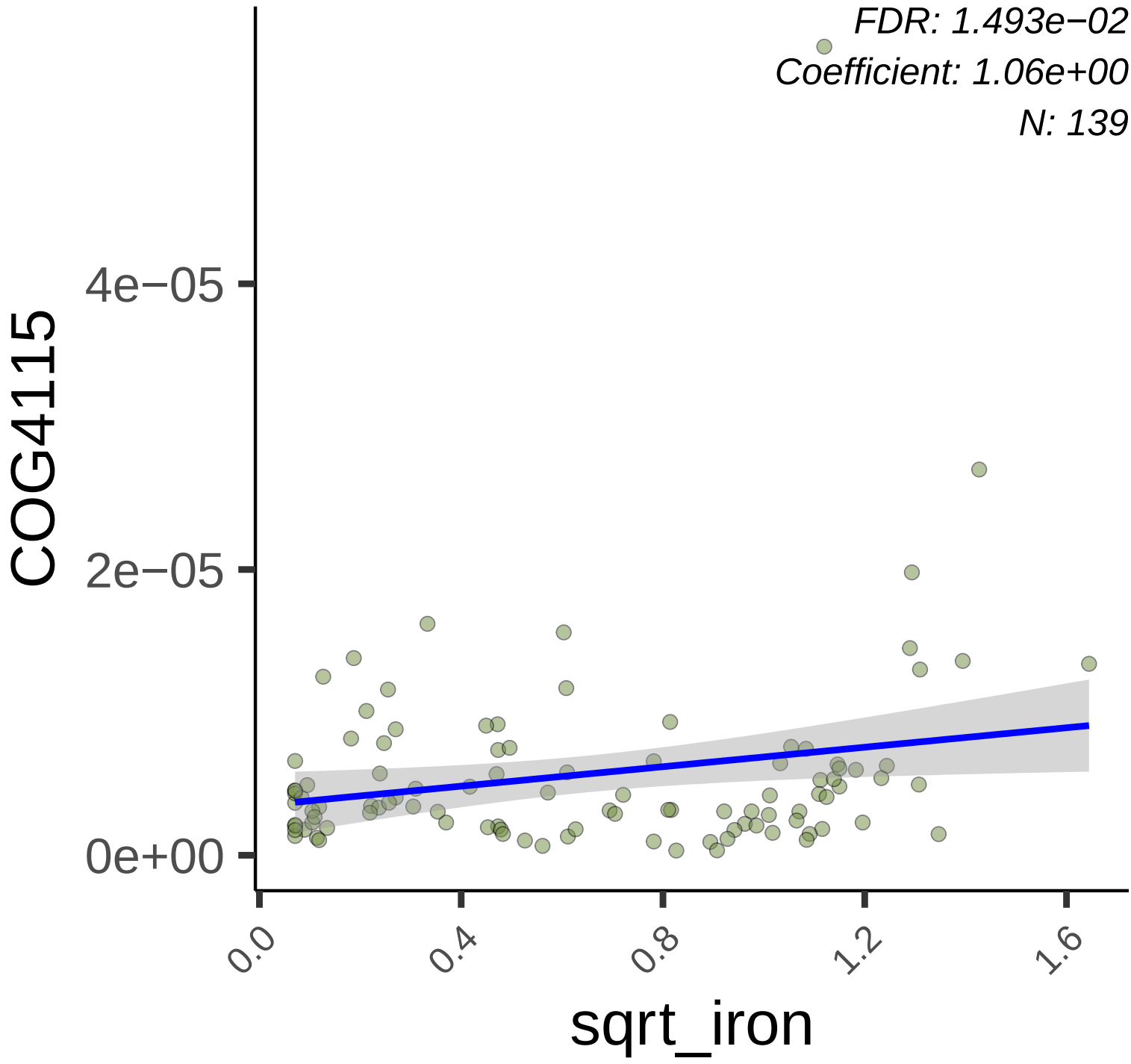
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.493e−02
Coefficient: 1.06e+00
N: 139
COG4115
4e−05
2e−05
0e+00
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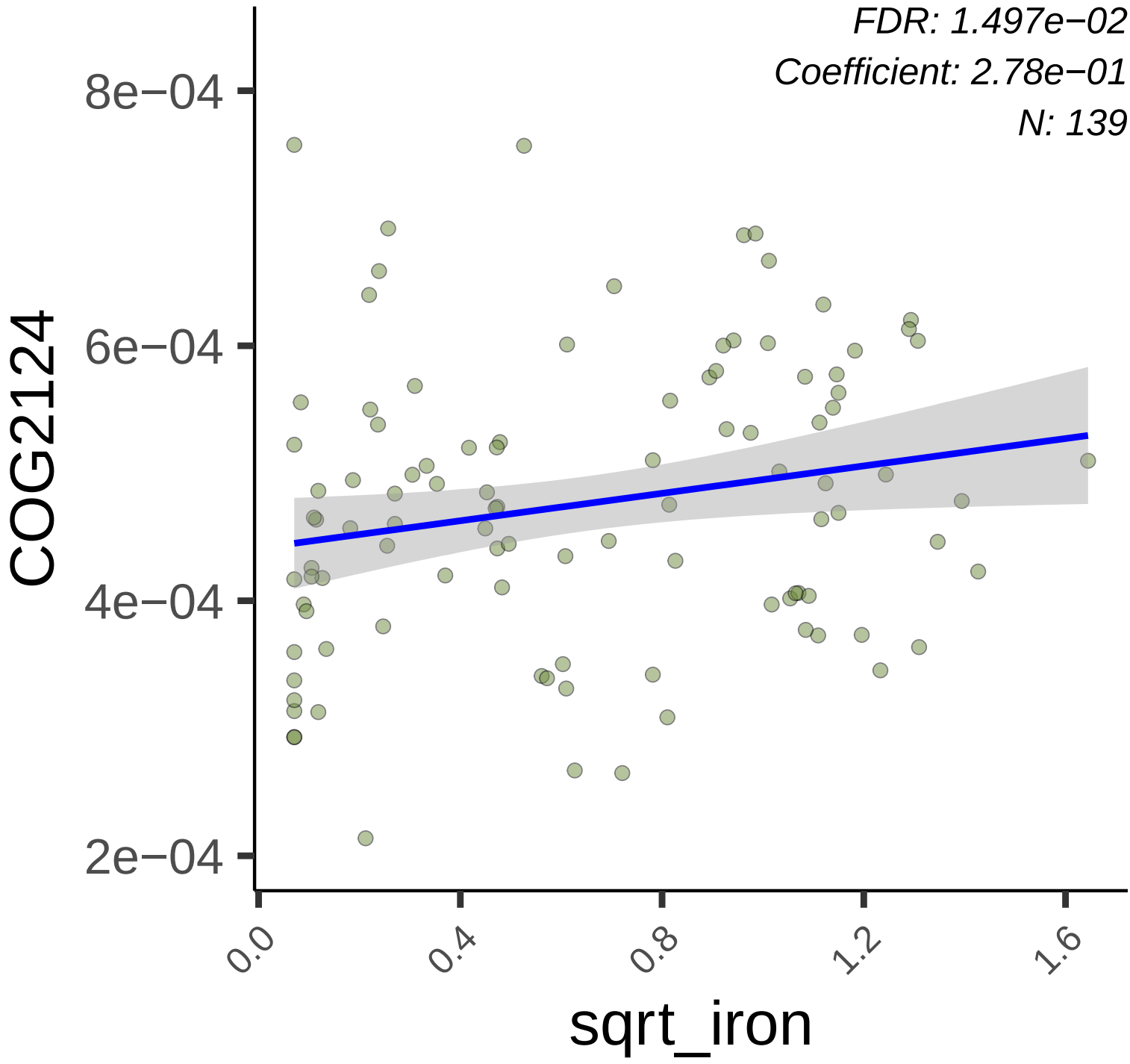
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.497e−02
Coefficient: 2.78e−01
N: 139
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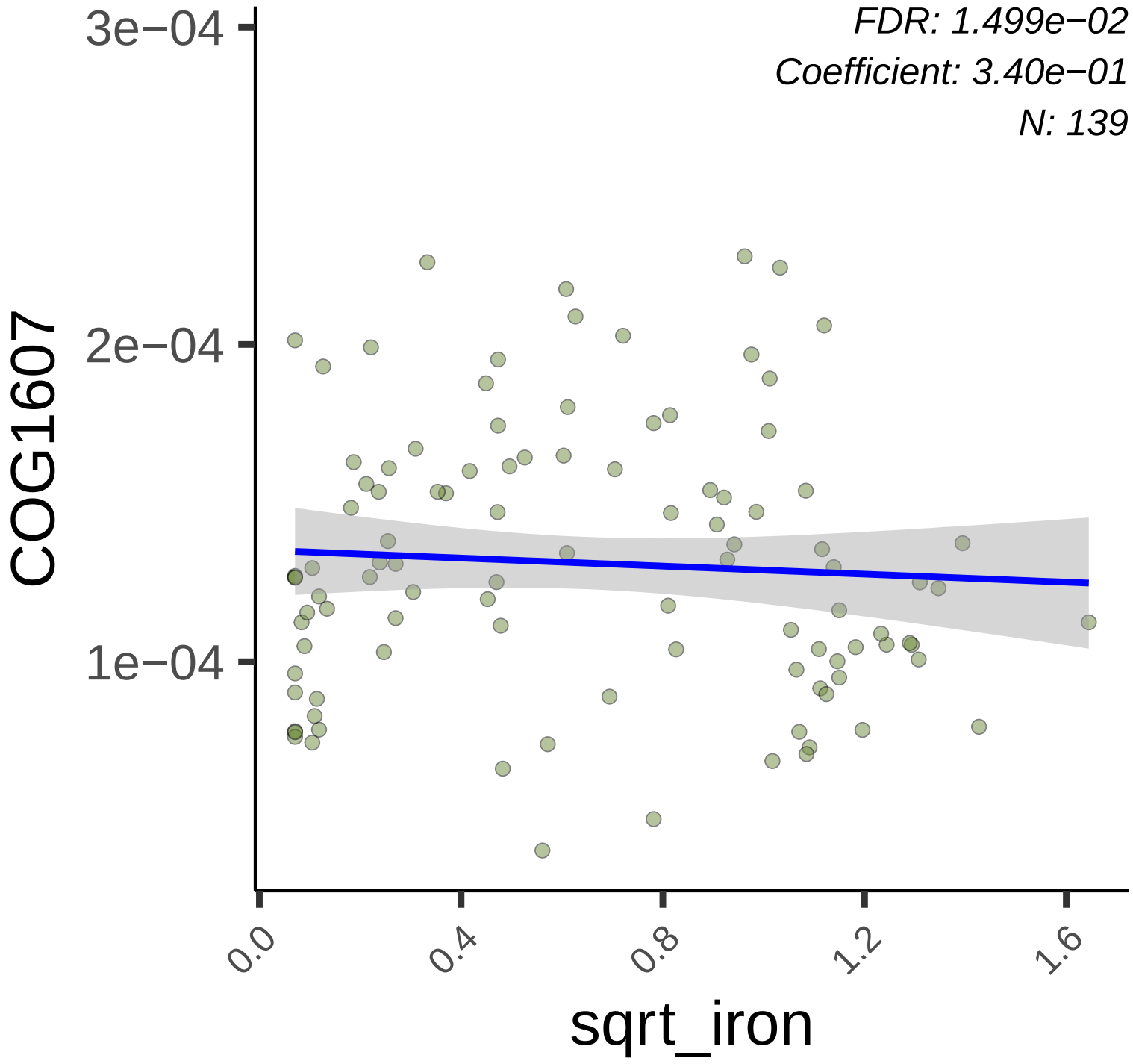
6e−04
4e−04
2e−04
COG2124
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.499e−02
Coefficient: 3.40e−01
N: 139
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2e−04
1e−04
COG1607
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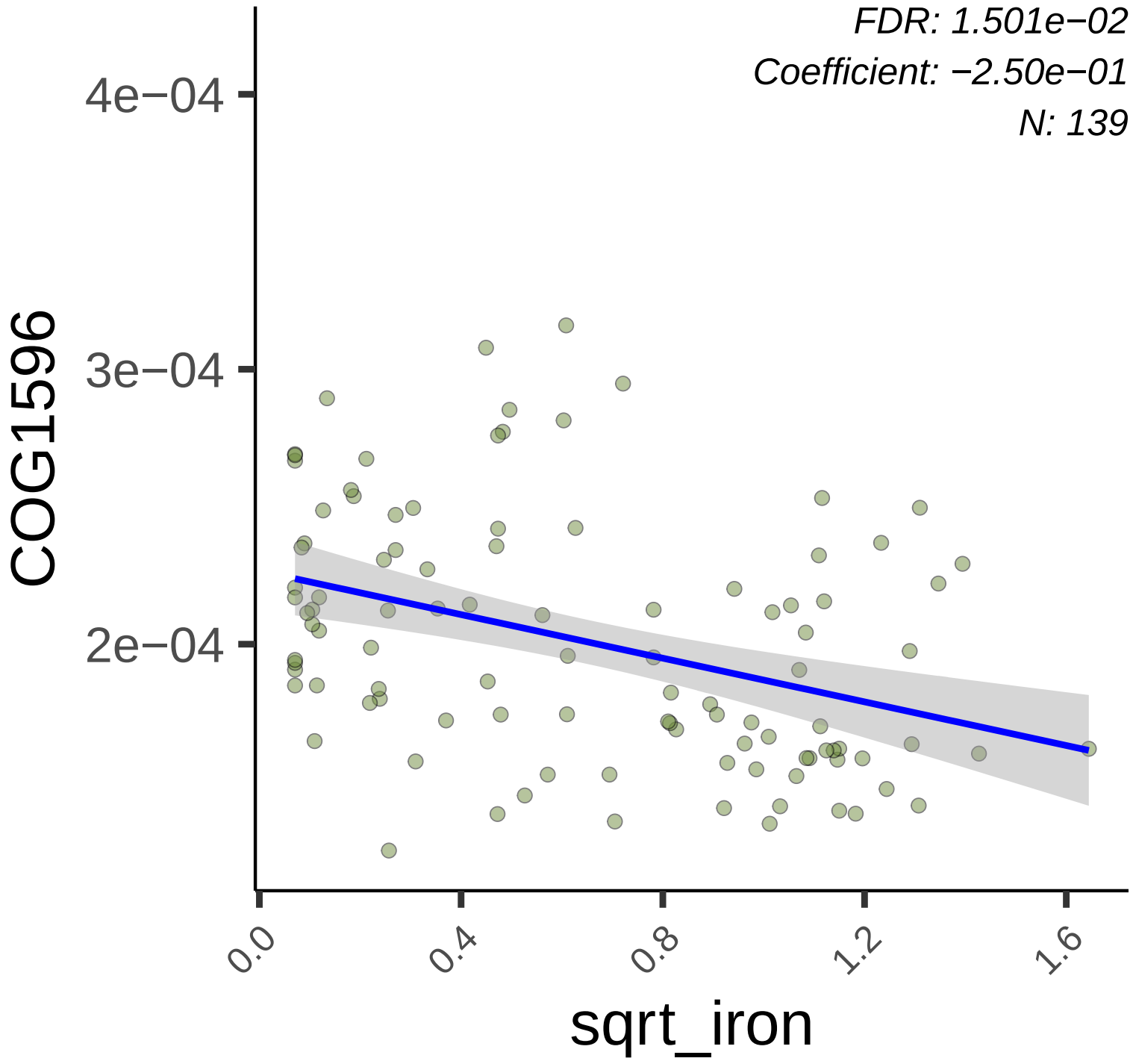
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.501e−02
Coefficient: −2.50e−01
N: 139
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3e−04
2e−04
COG1596
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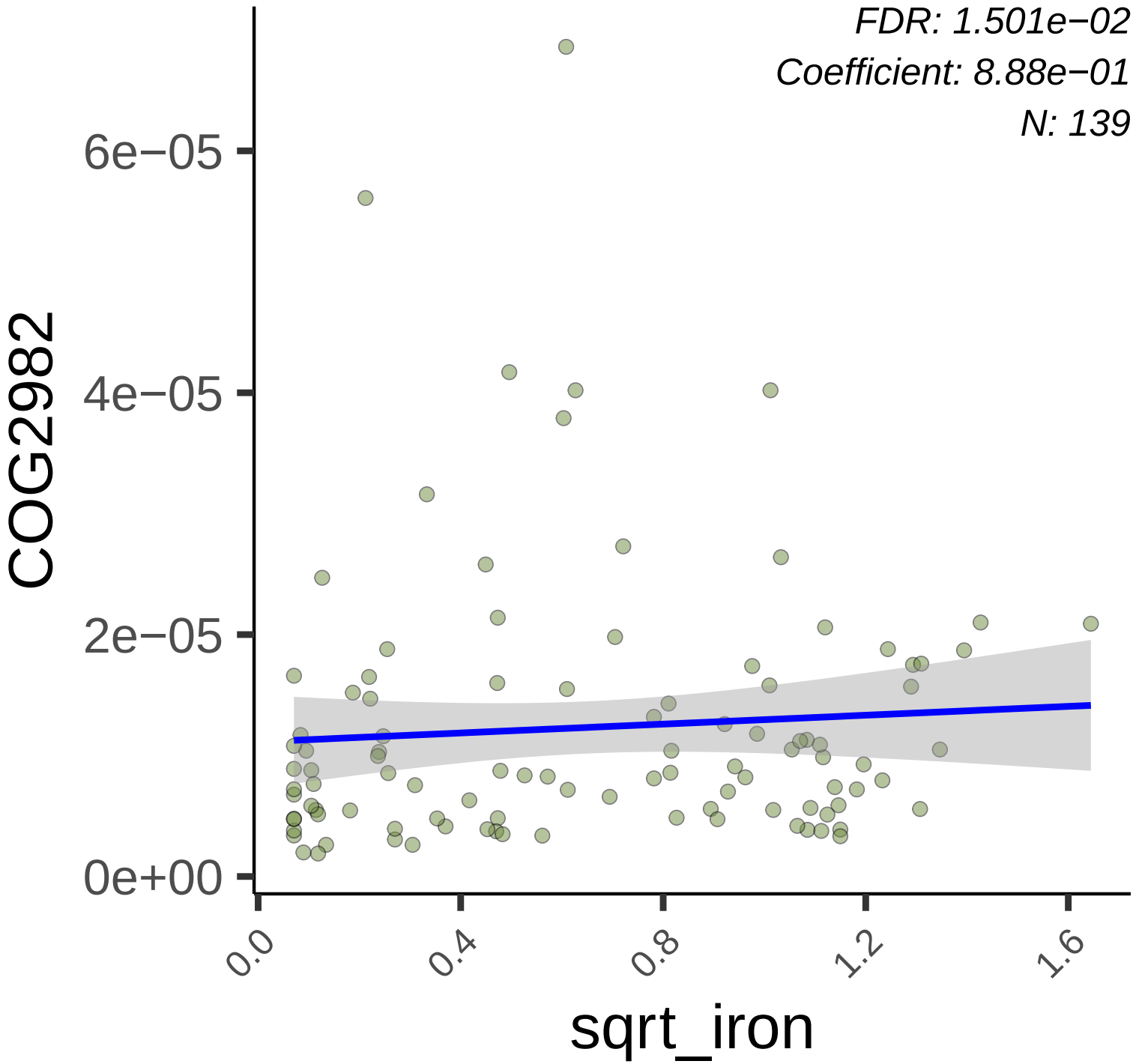
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.501e−02
Coefficient: 8.88e−01
N: 139
COG2982
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4e−05
2e−05
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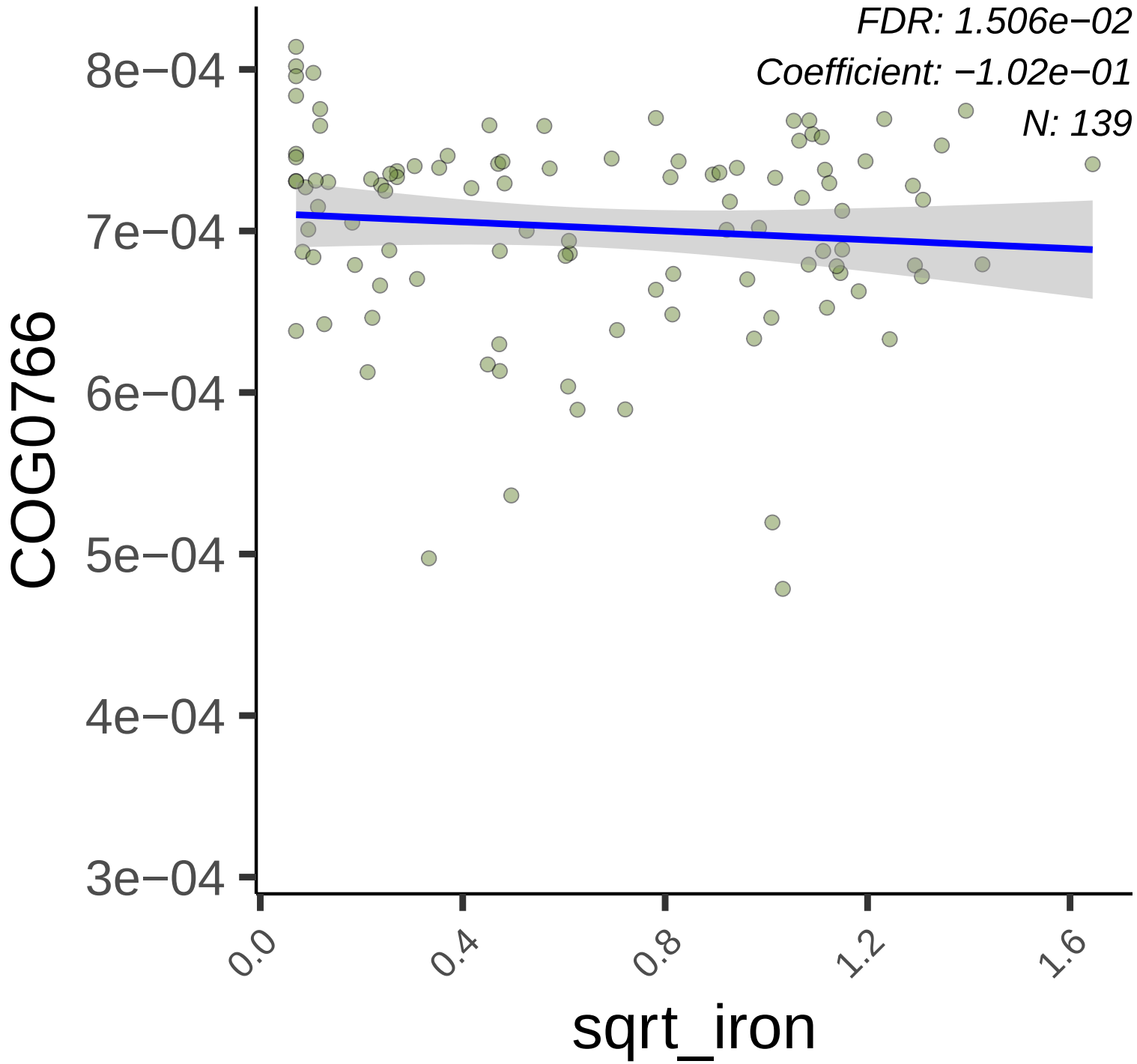
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.506e−02
Coefficient: −1.02e−01
N: 139
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7e−04
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4e−04
3e−04
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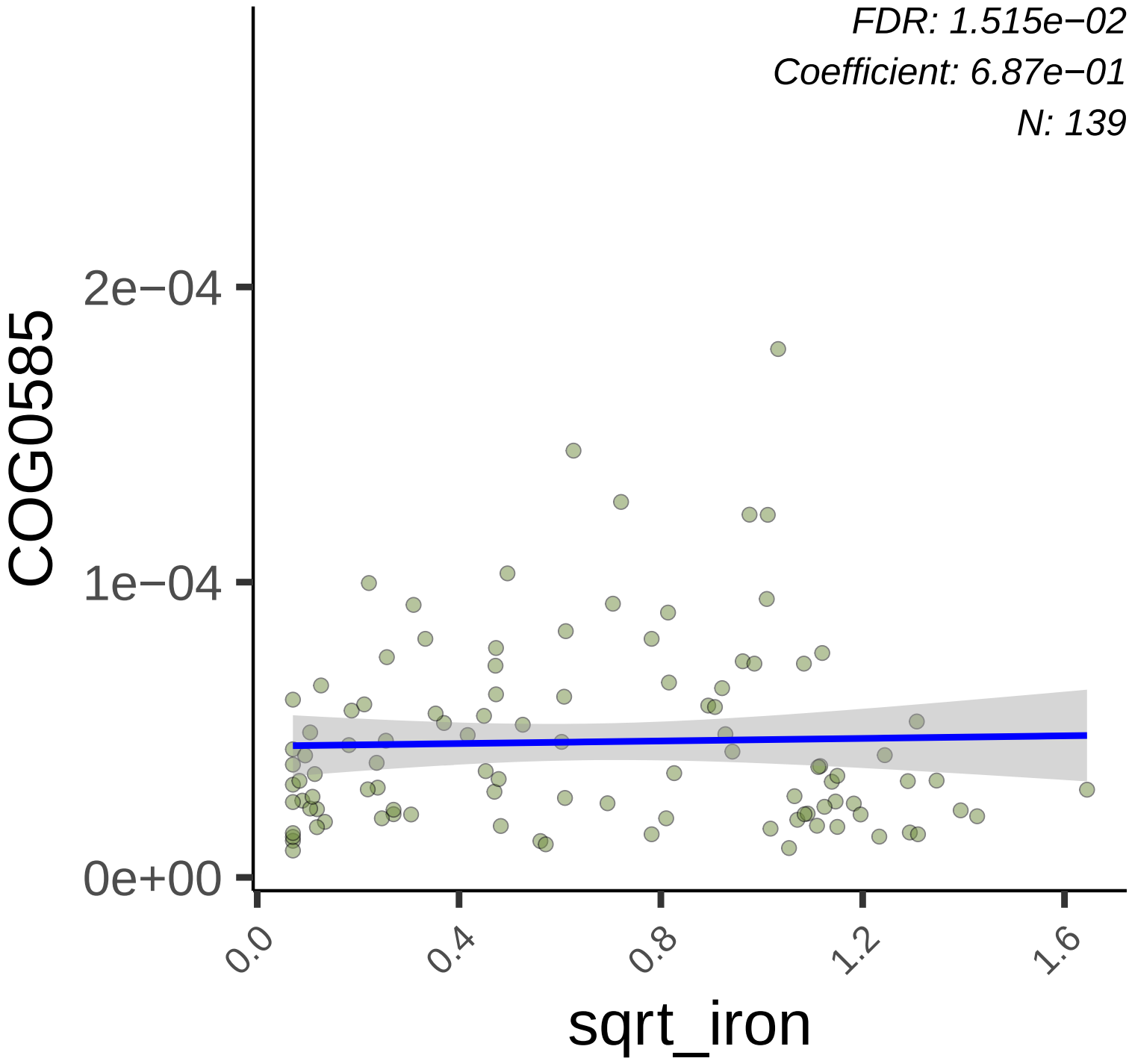
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.515e−02
Coefficient: 6.87e−01
N: 139
COG0585
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1e−04
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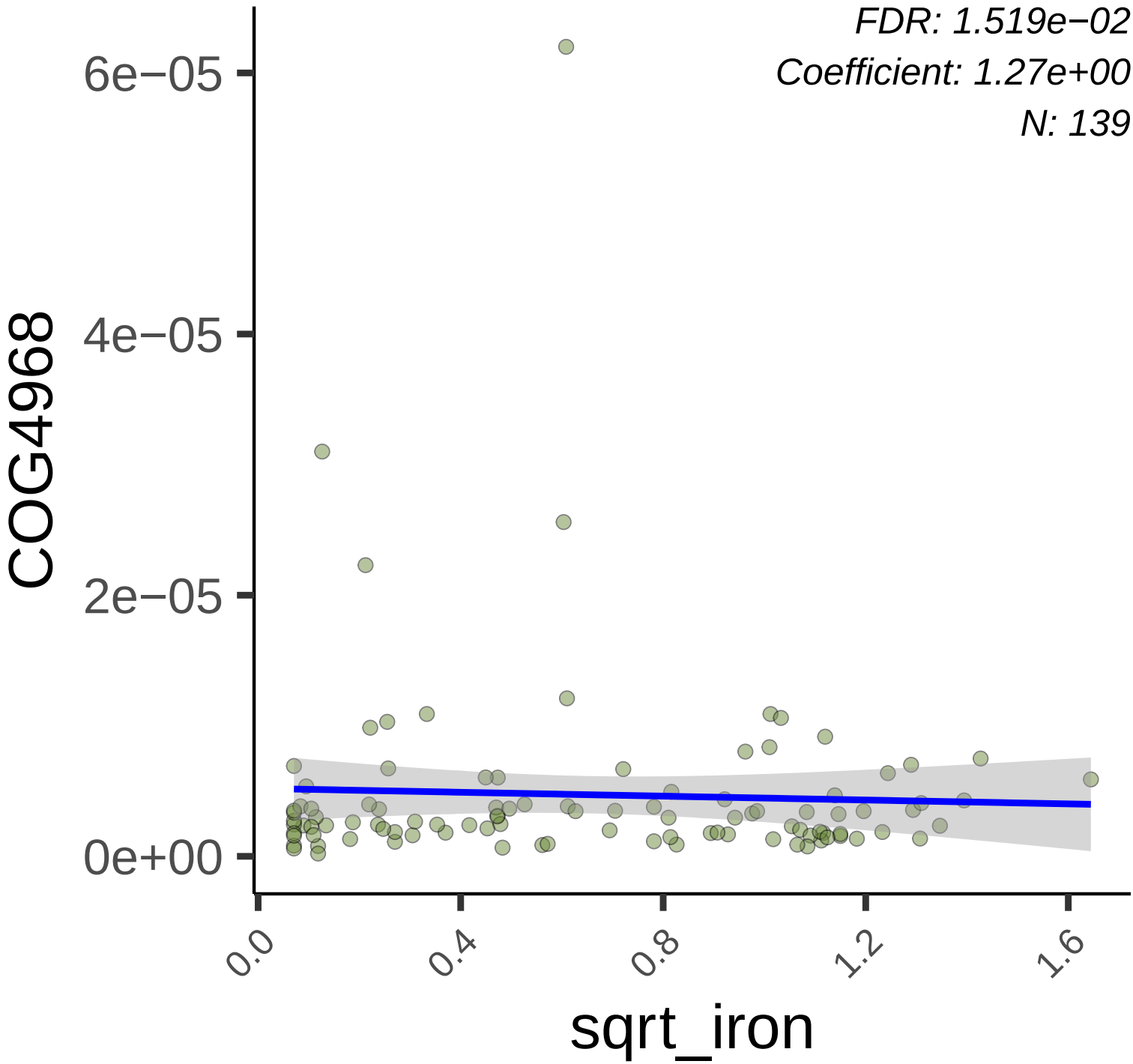
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.519e−02
Coefficient: 1.27e+00
N: 139
COG4968
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4e−05
2e−05
0e+00
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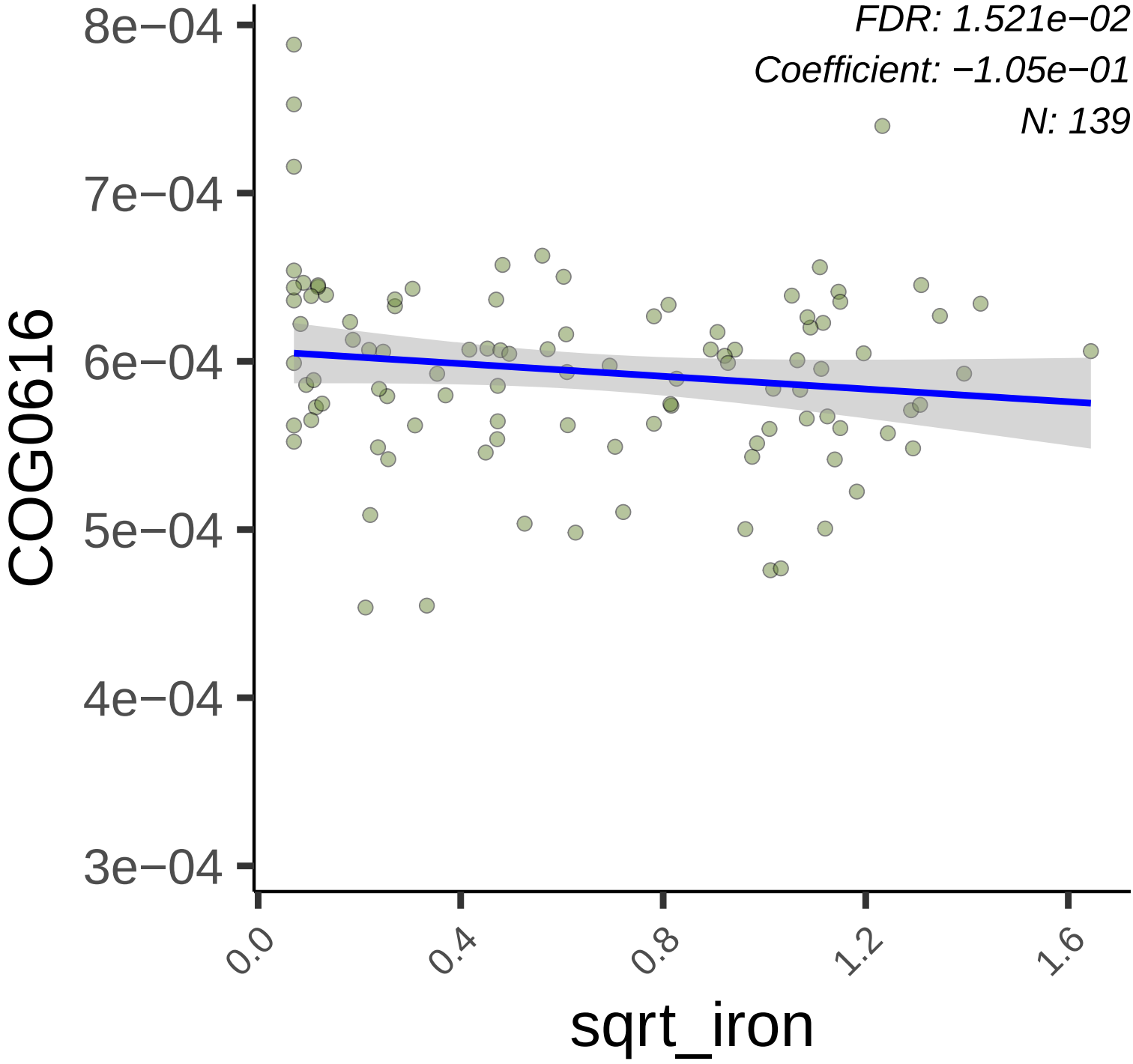
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.521e−02
Coefficient: −1.05e−01
N: 139
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7e−04
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COG0616
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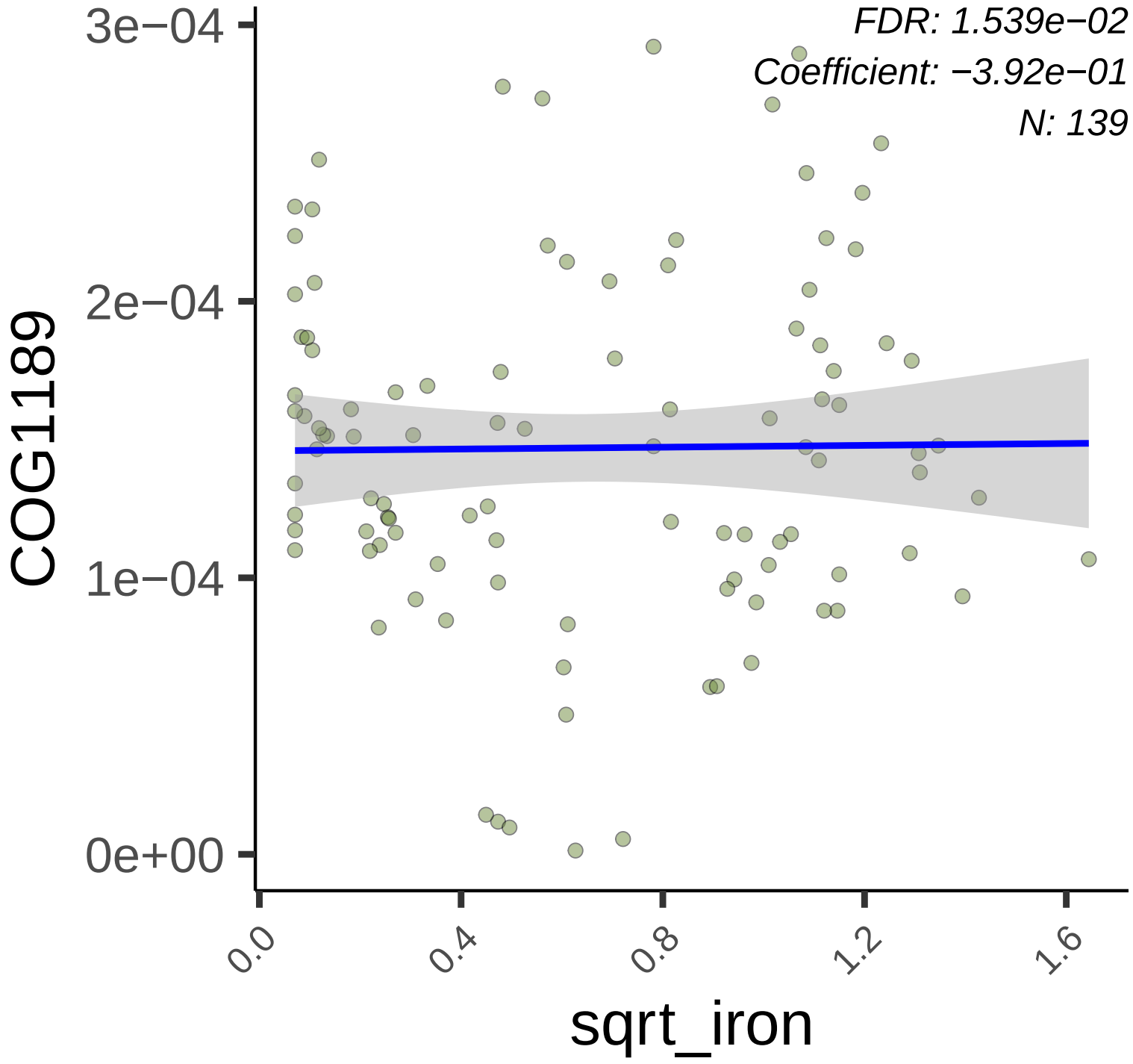
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.539e−02
Coefficient: −3.92e−01
N: 139
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1e−04
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COG1189
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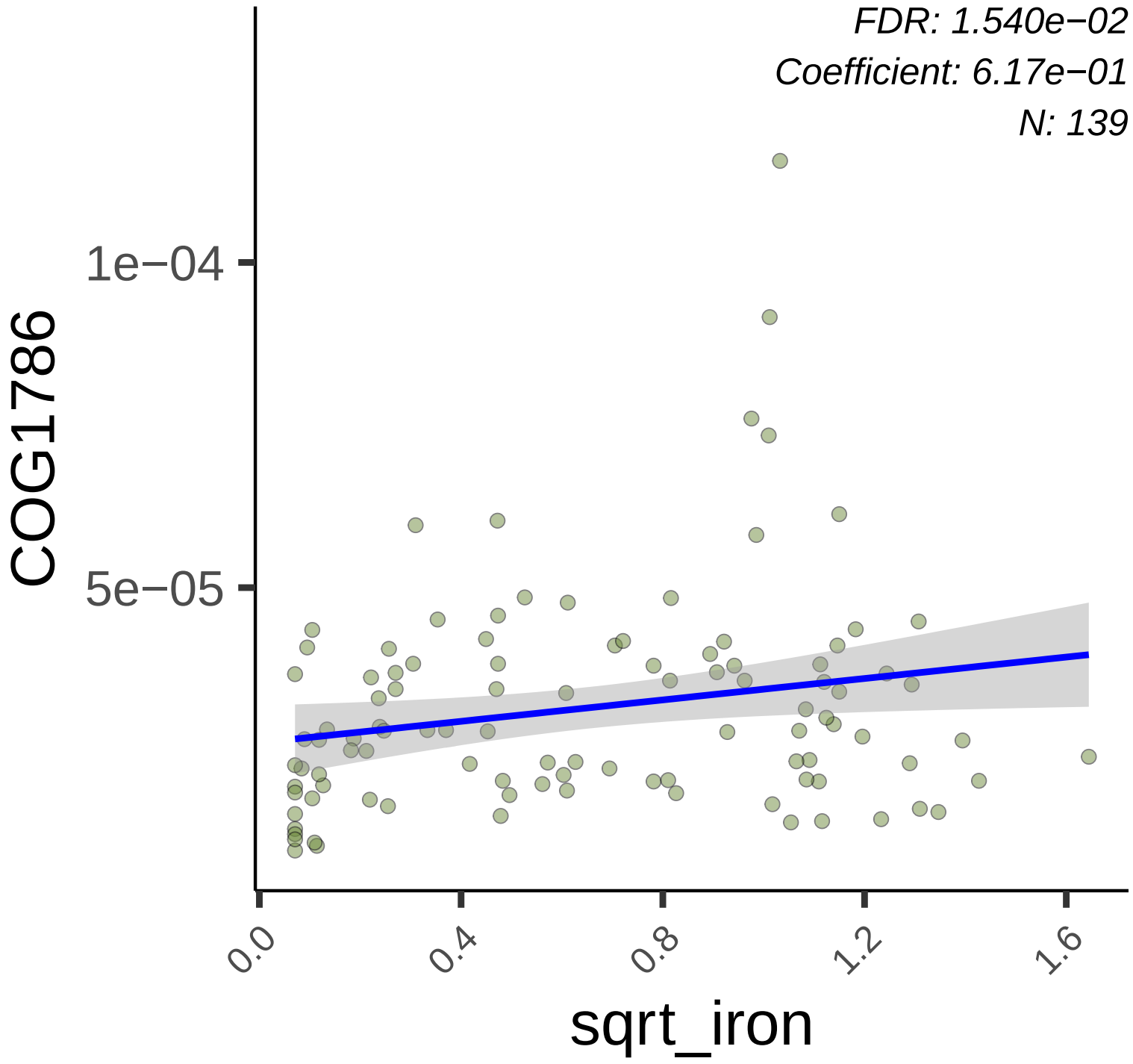
0.8
1.2
1.6
sqrt_iron


FDR: 1.540e−02
Coefficient: 6.17e−01
N: 139
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5e−05
COG1786
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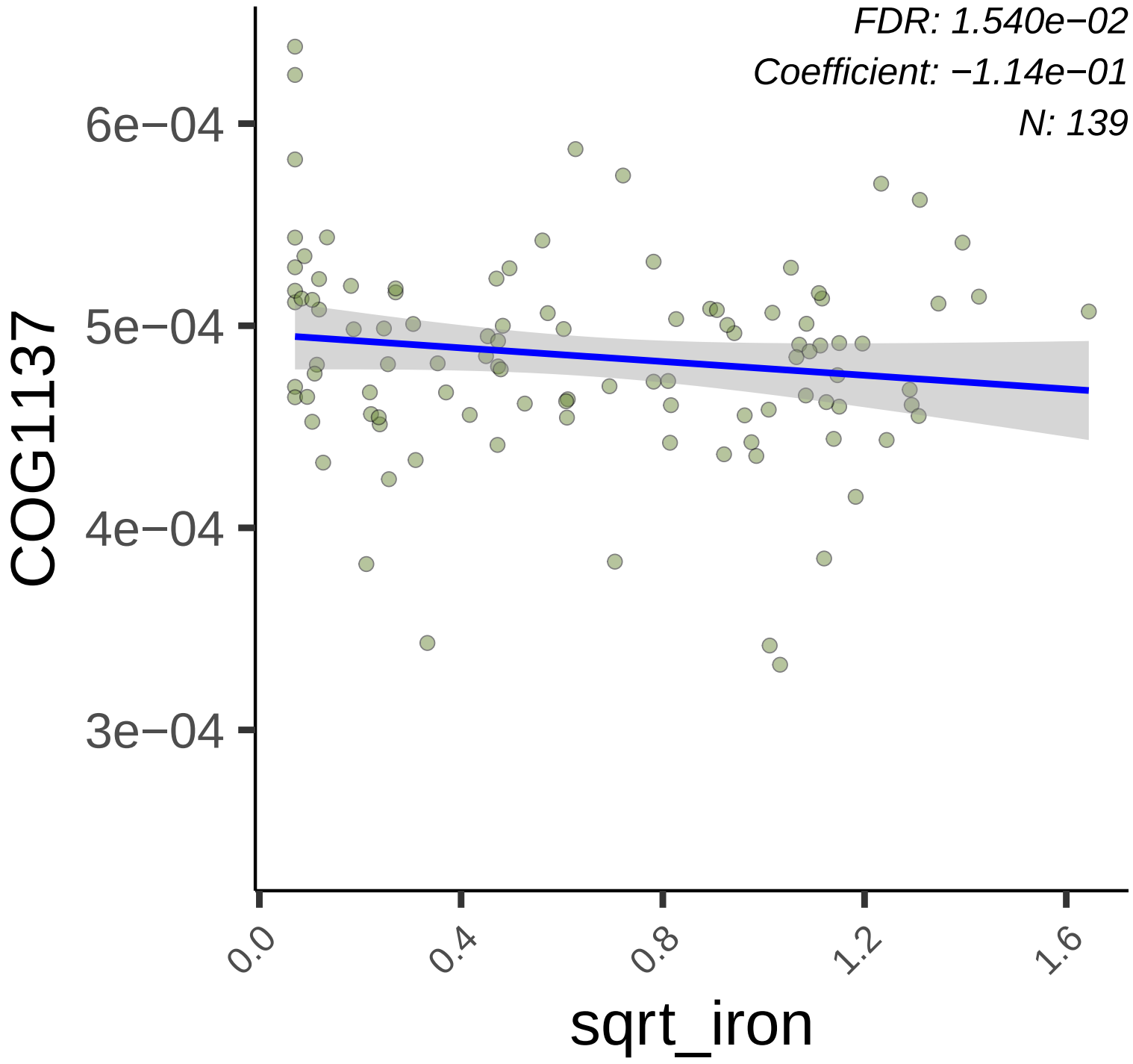
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.540e−02
Coefficient: −1.14e−01
N: 139
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3e−04
COG1137
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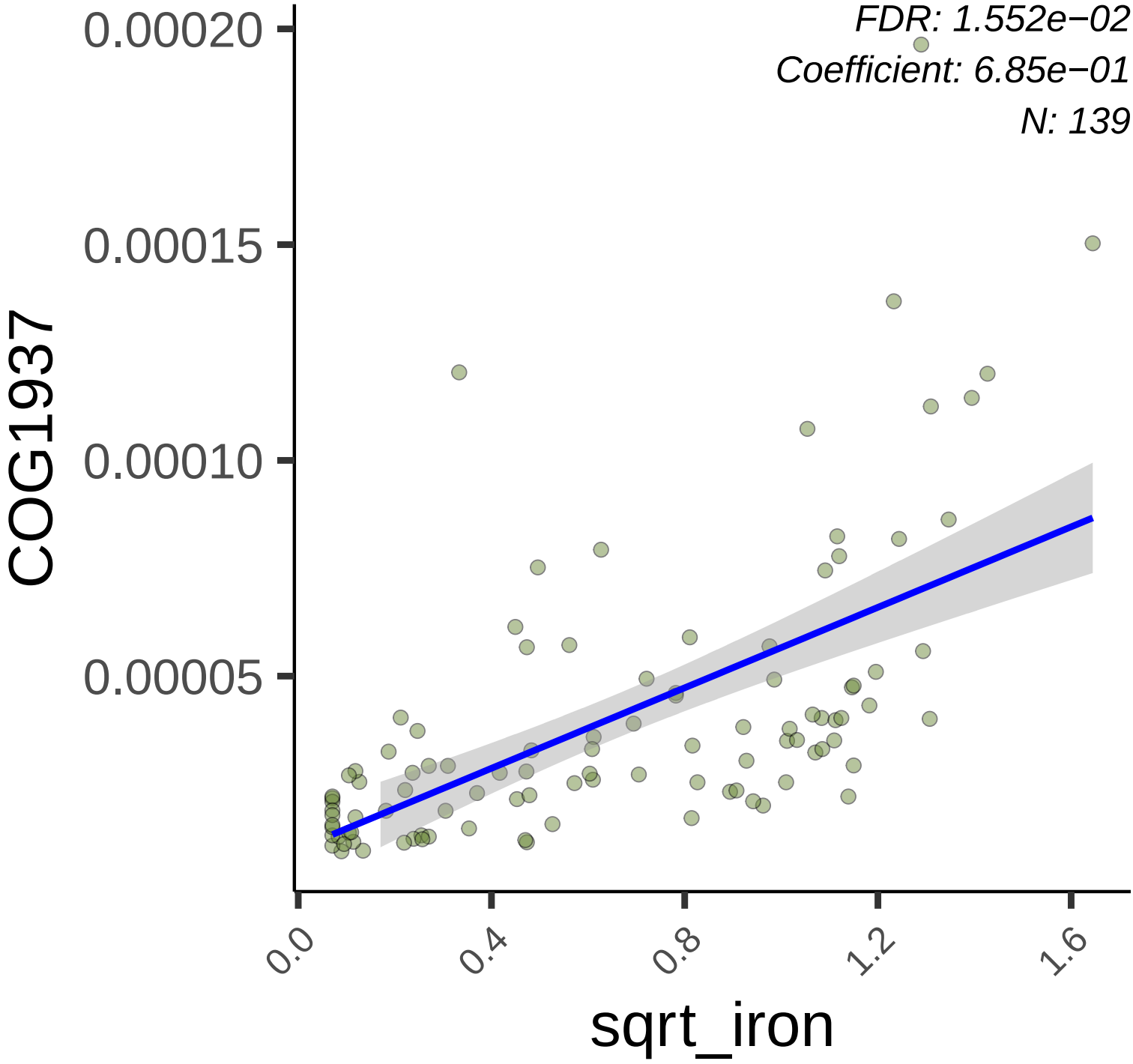
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.552e−02
Coefficient: 6.85e−01
N: 139
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0.00005
COG1937
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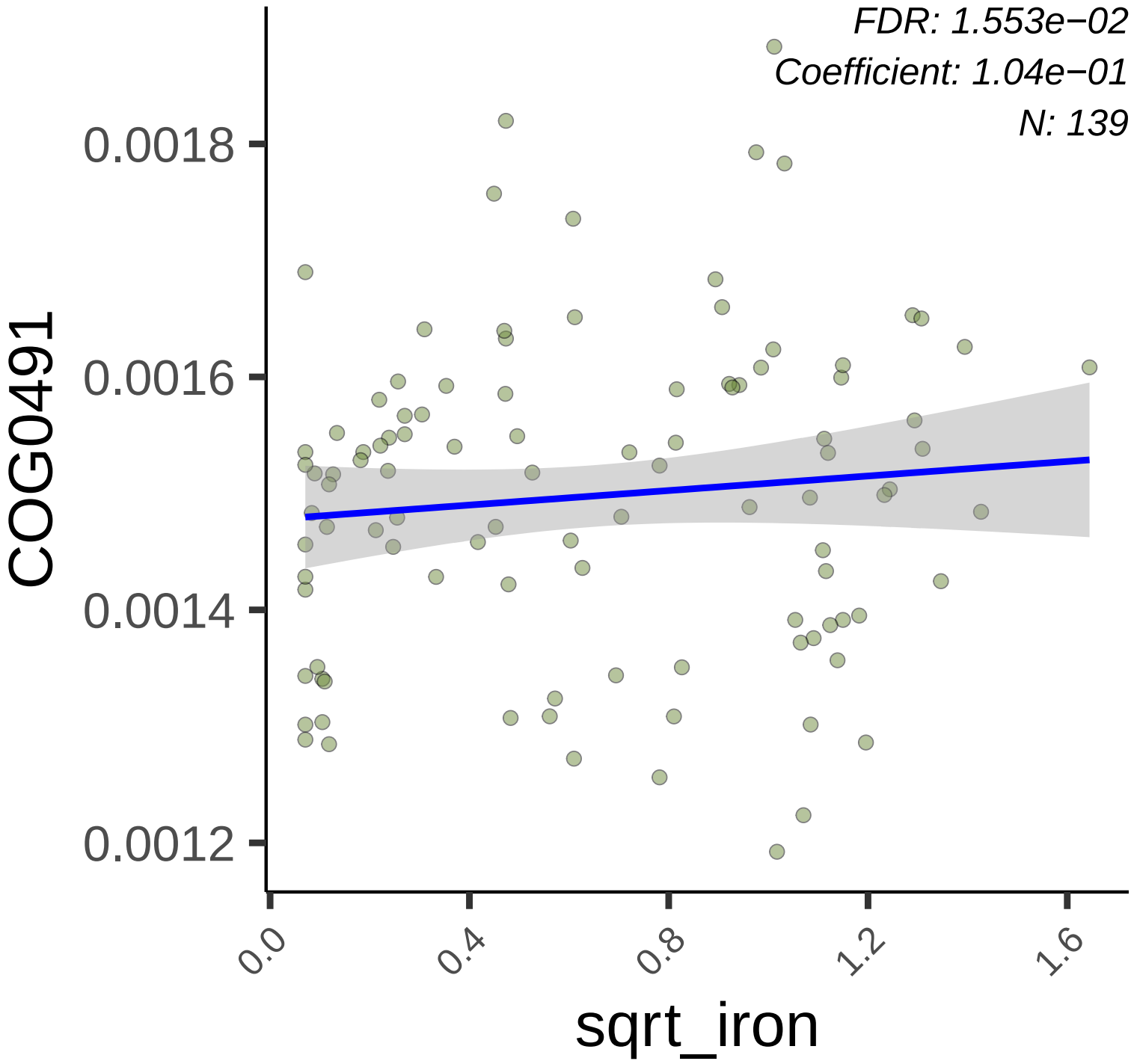
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.553e−02
Coefficient: 1.04e−01
N: 139
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0.0012
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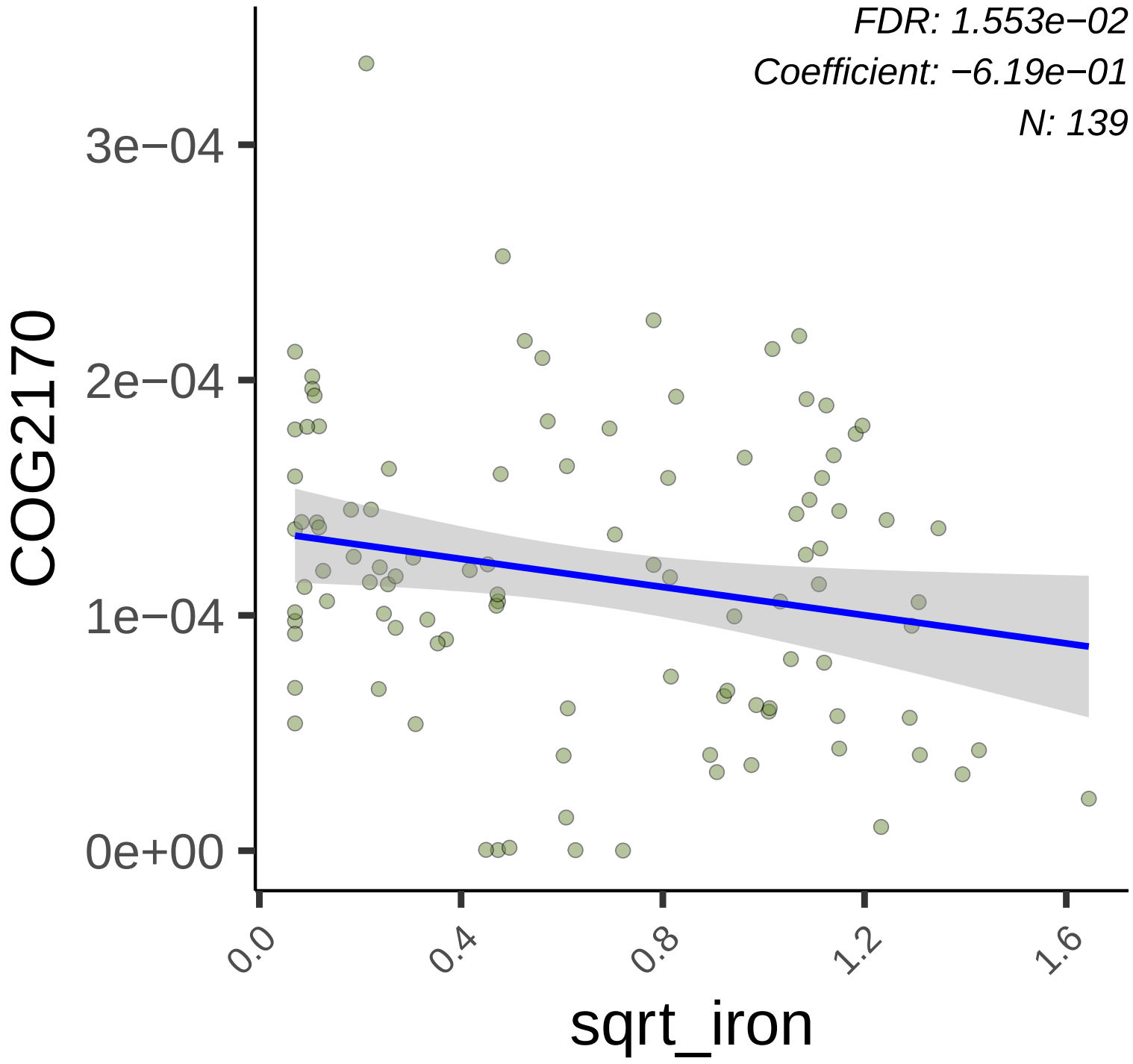
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.553e−02
Coefficient: −6.19e−01
N: 139
COG2170
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2e−04
1e−04
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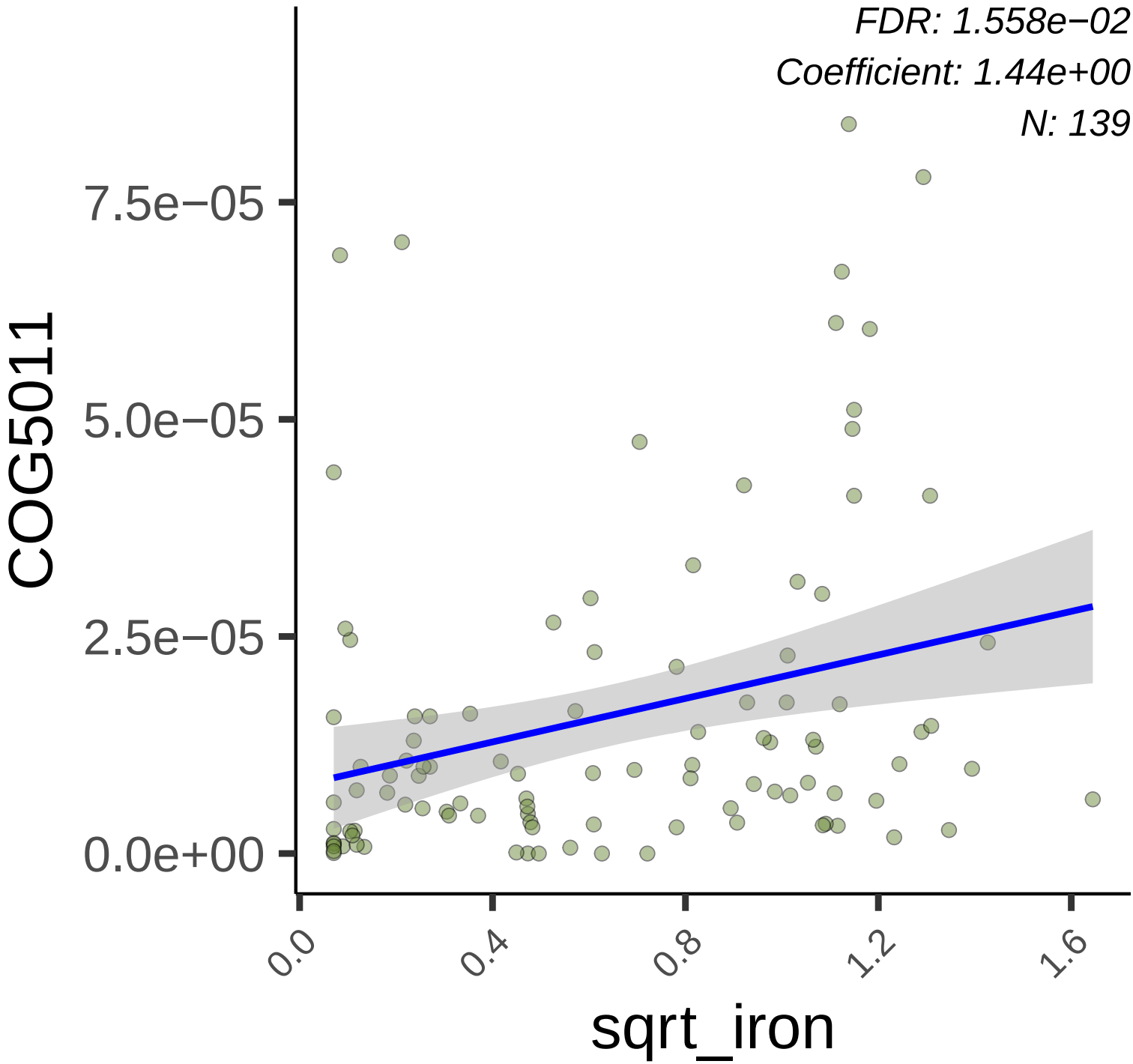
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.558e−02
Coefficient: 1.44e+00
N: 139
COG5011
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2.5e−05
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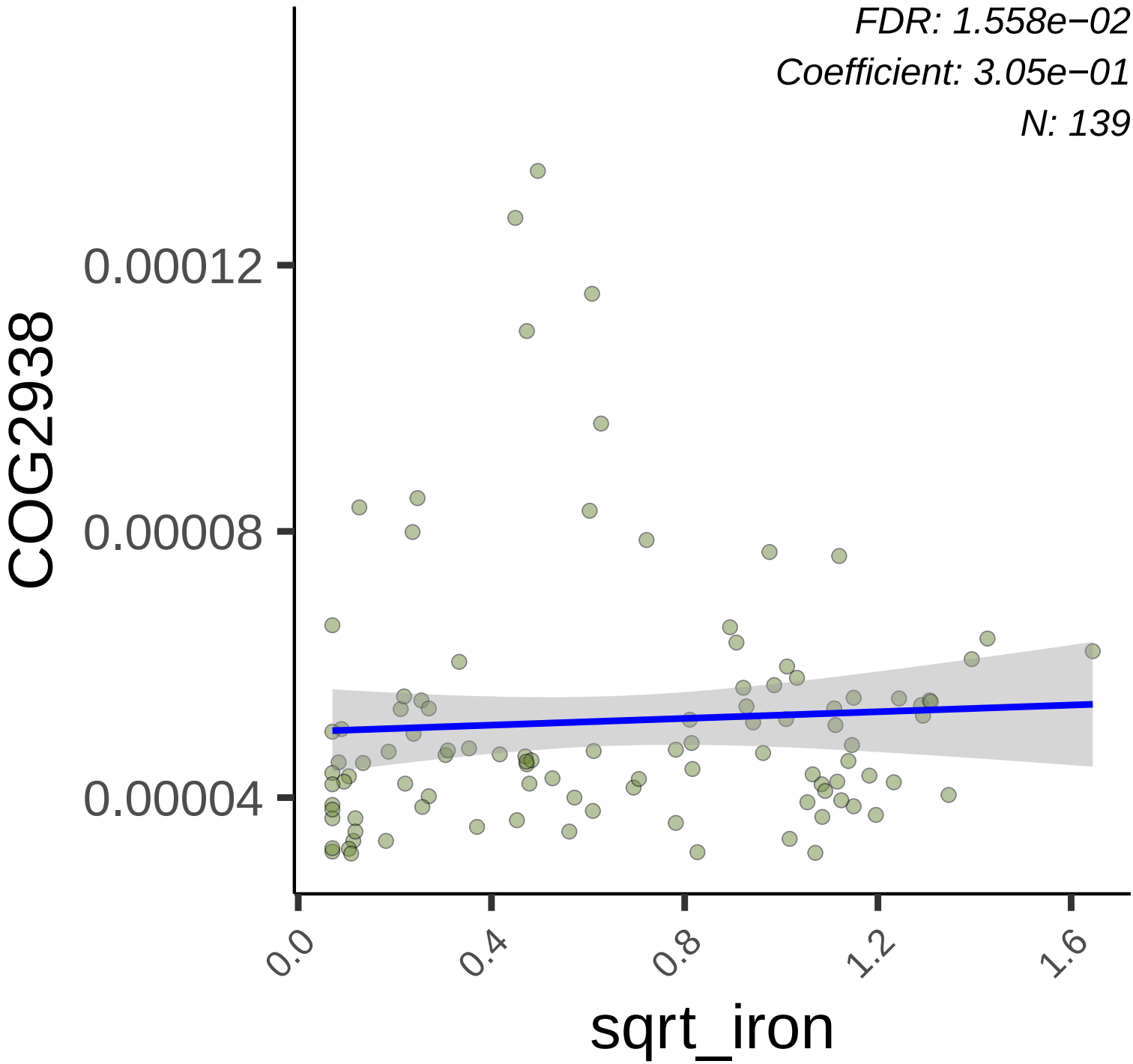
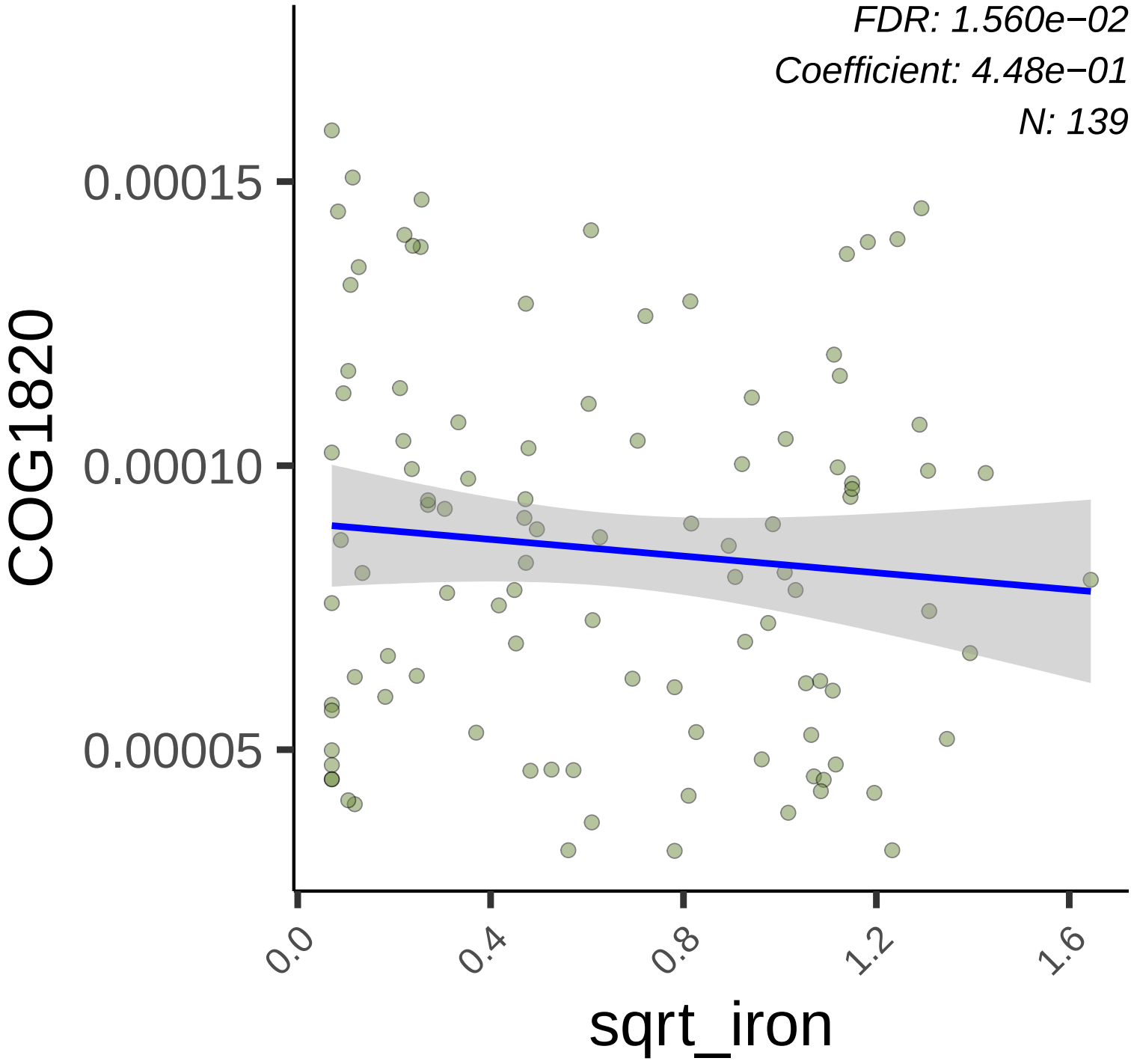
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.558e−02
Coefficient: 3.05e−01
N: 139
COG2938
0.00012
0.00008
0.00004
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.560e−02
Coefficient: 4.48e−01
N: 139
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COG1820
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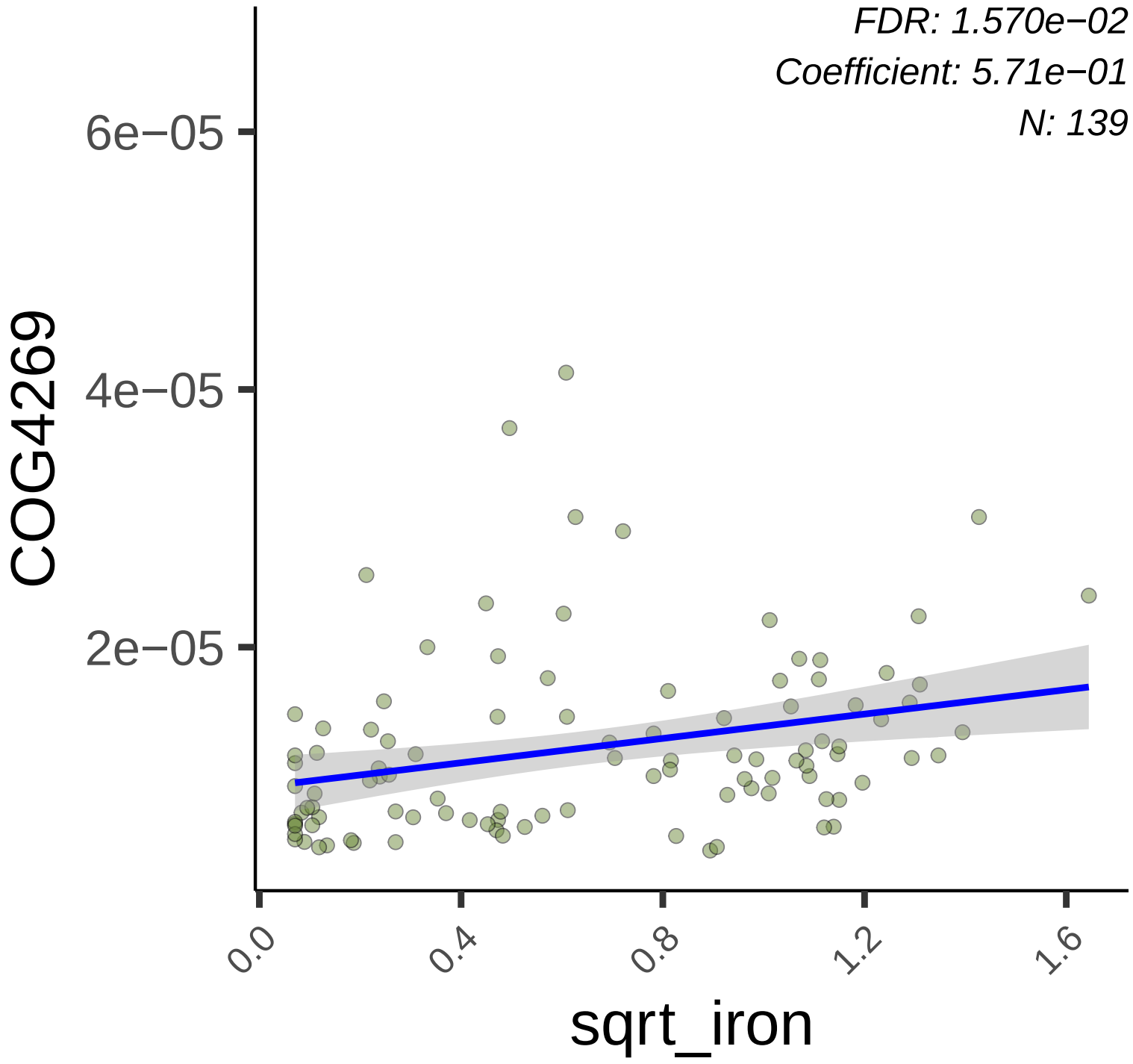
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.570e−02
Coefficient: 5.71e−01
N: 139
COG4269
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2e−05
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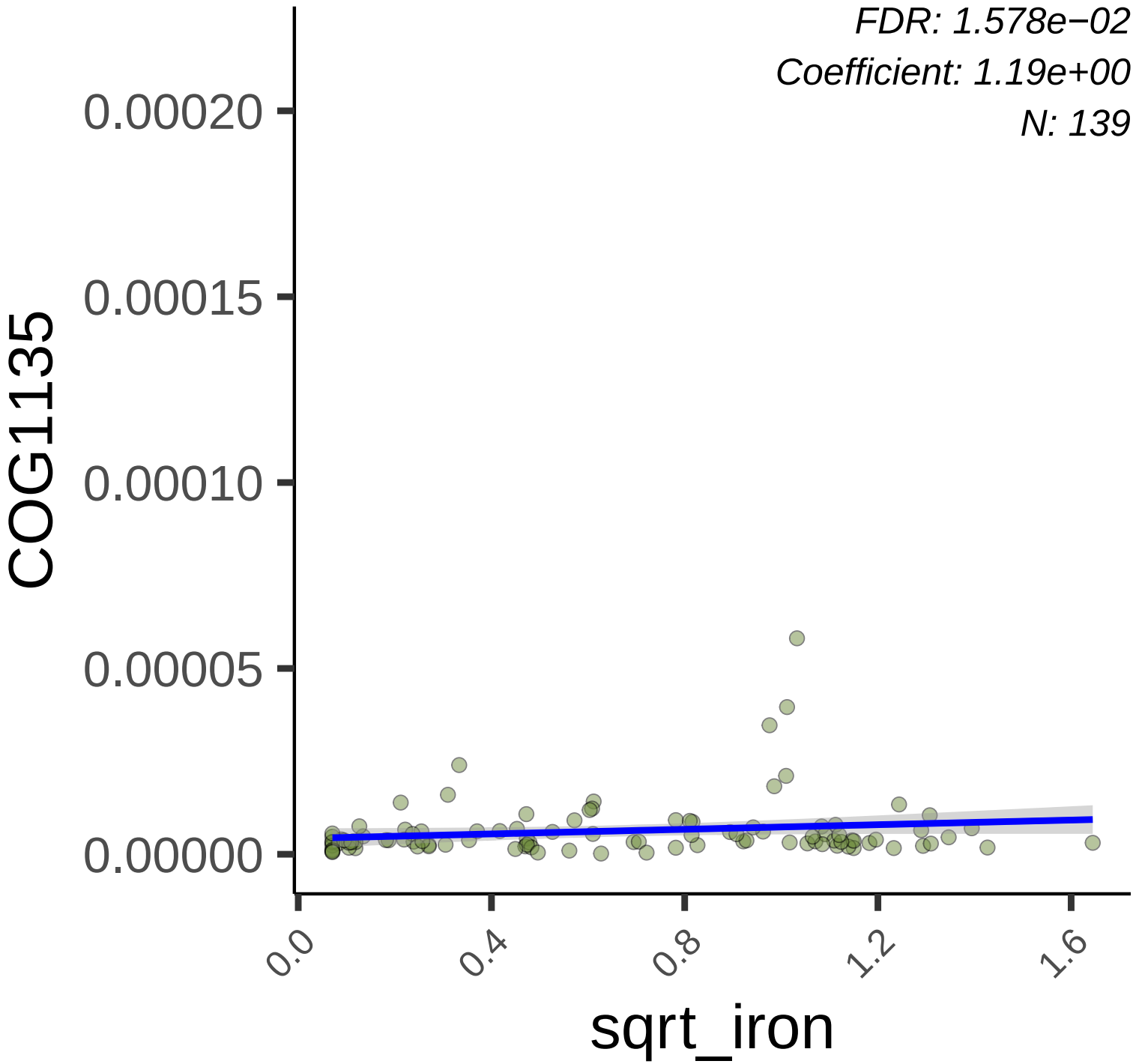
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.578e−02
Coefficient: 1.19e+00
N: 139
COG1135
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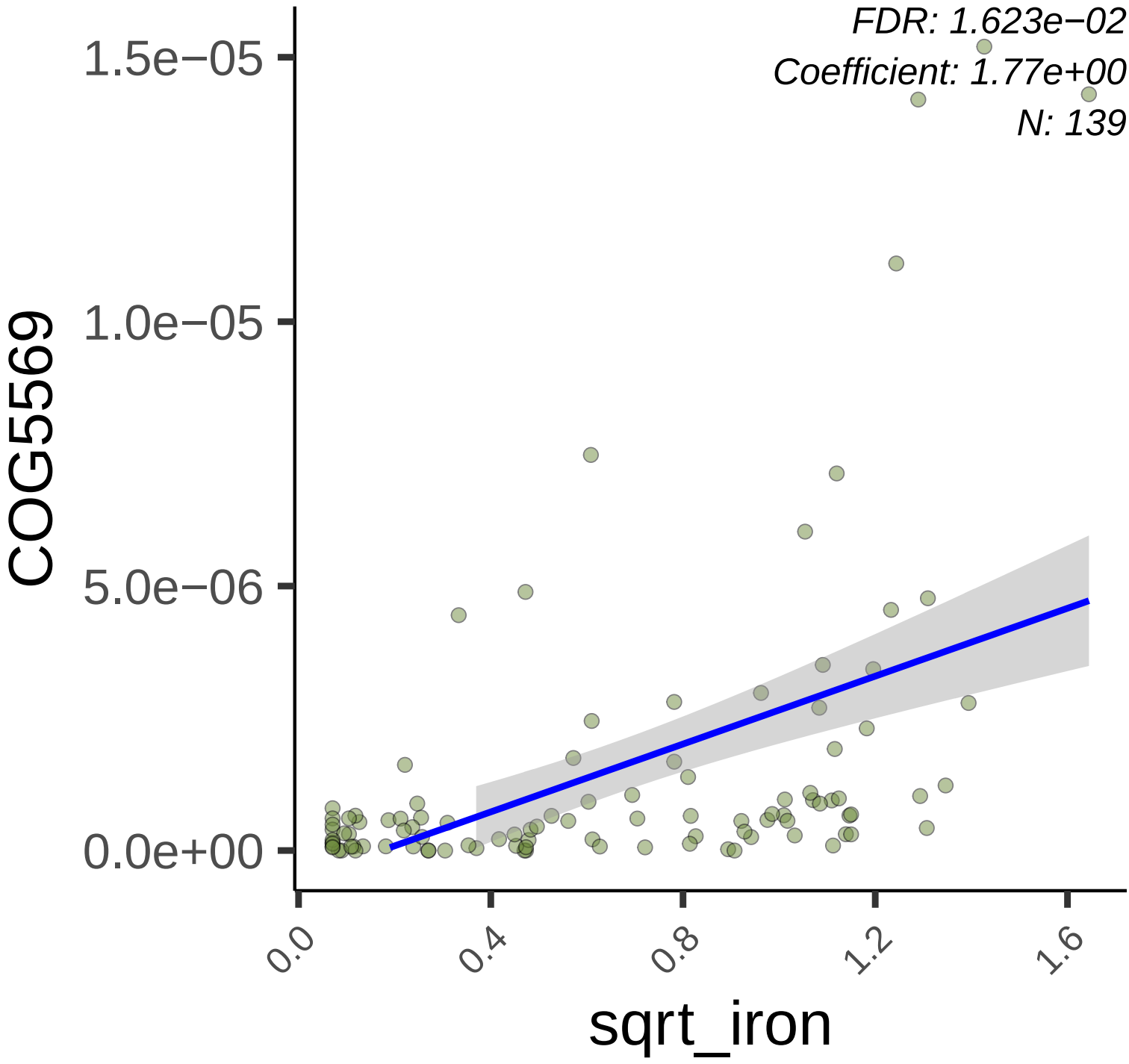
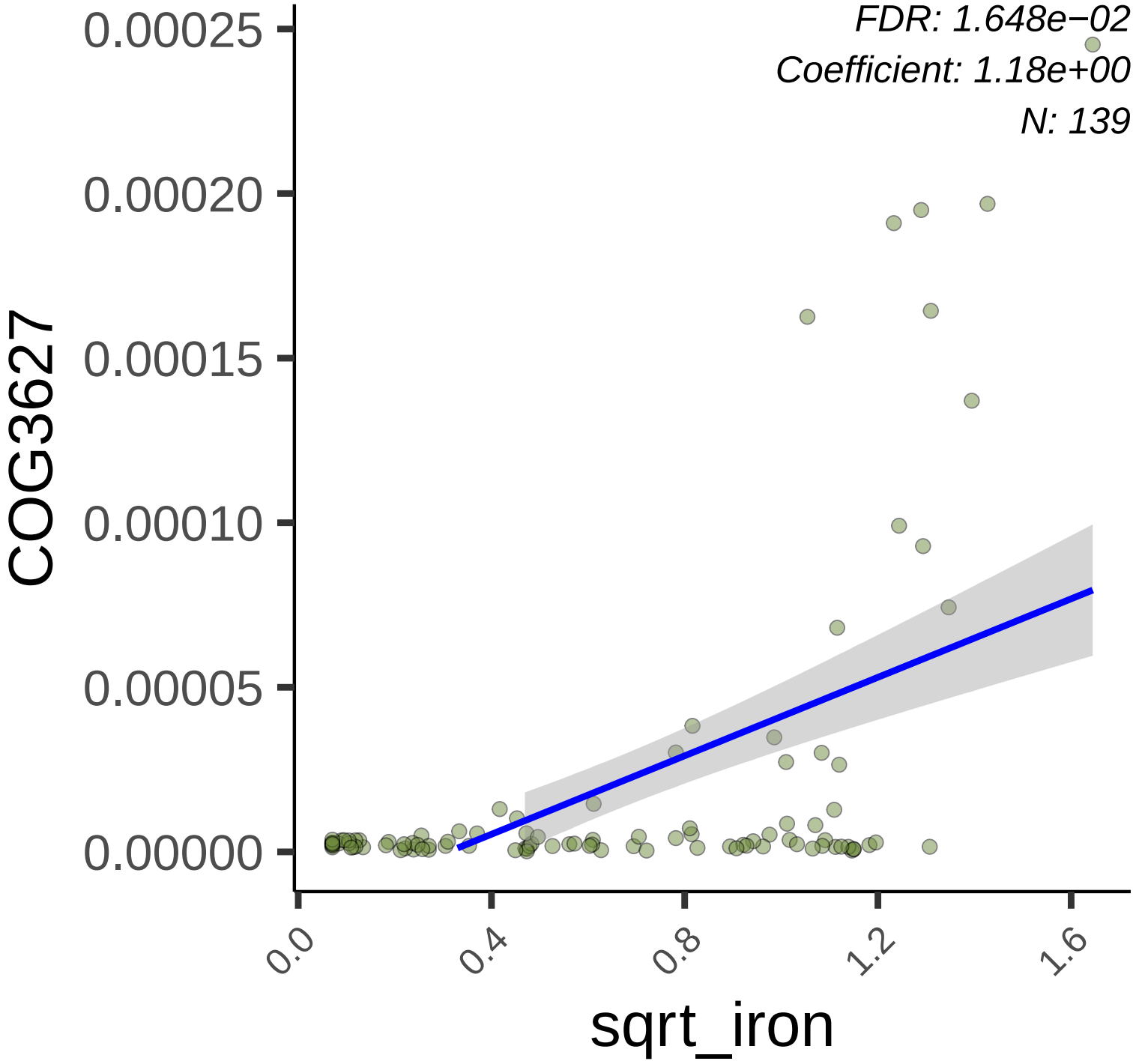
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.623e−02
Coefficient: 1.77e+00
N: 139
1.5e−05
1.0e−05
5.0e−06
0.0e+00
COG5569
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.648e−02
Coefficient: 1.18e+00
N: 139
COG3627
0.00025
0.00020
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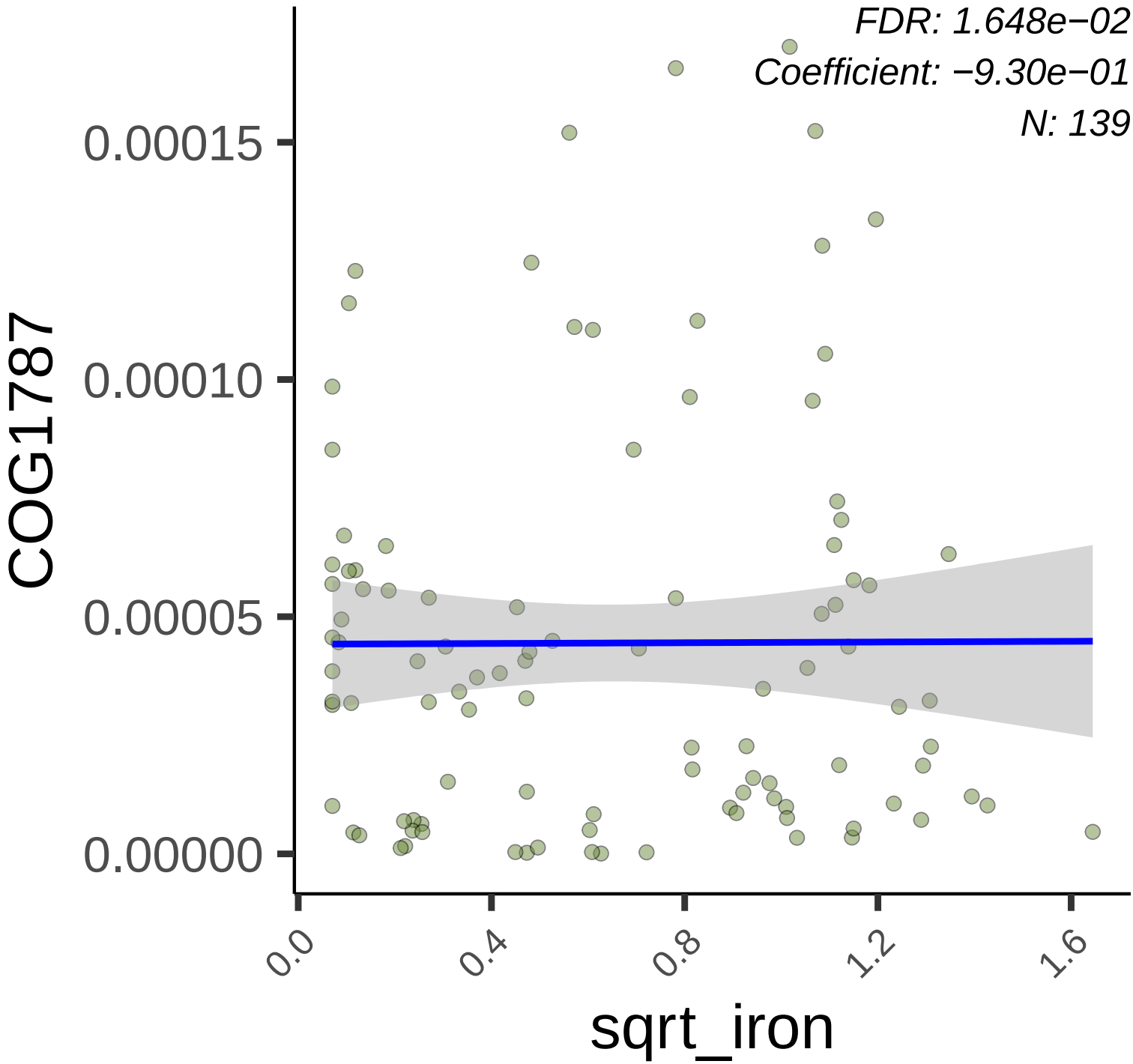
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.648e−02
Coefficient: −9.30e−01
N: 139
COG1787
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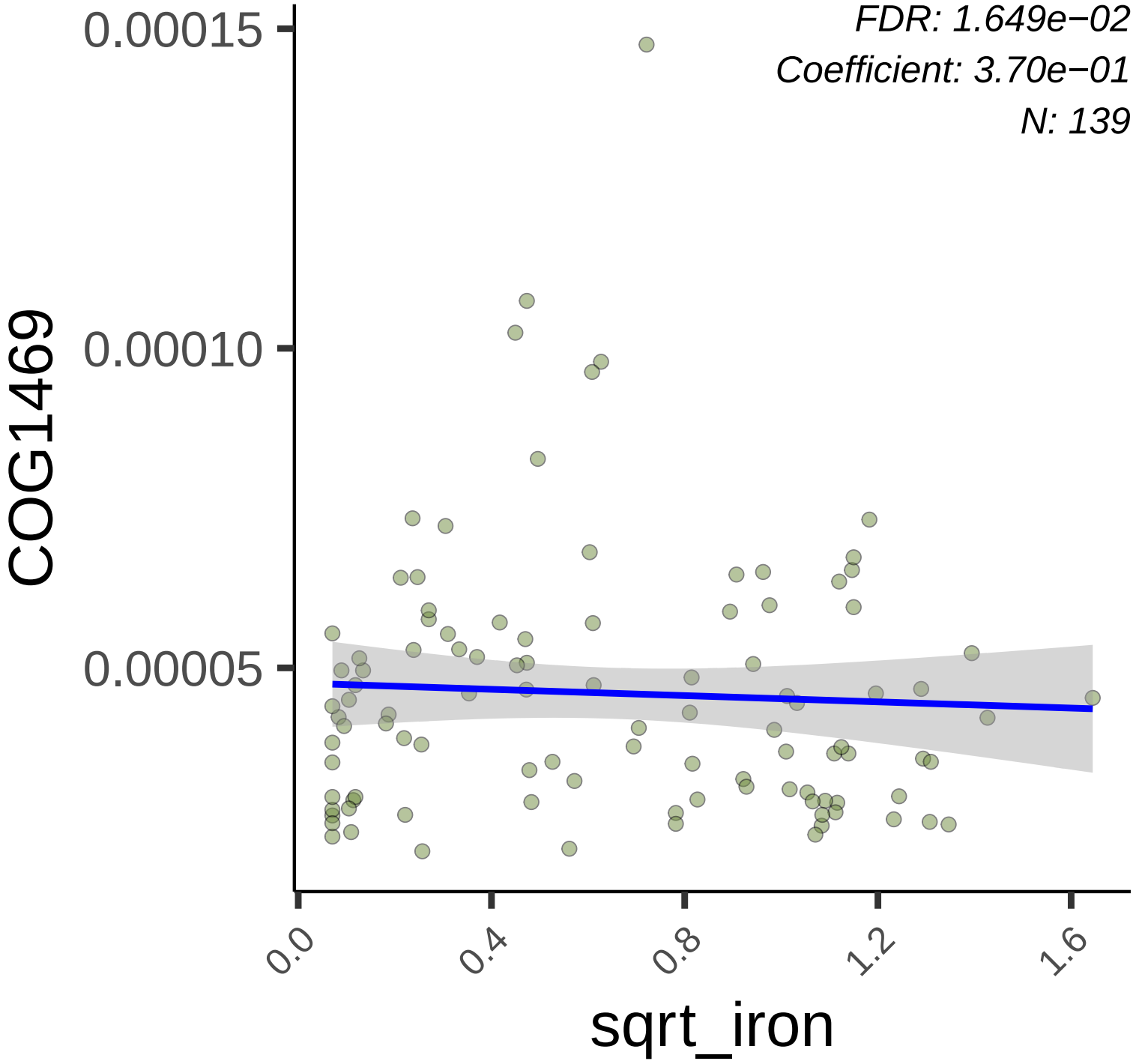
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.649e−02
Coefficient: 3.70e−01
N: 139
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0.00010
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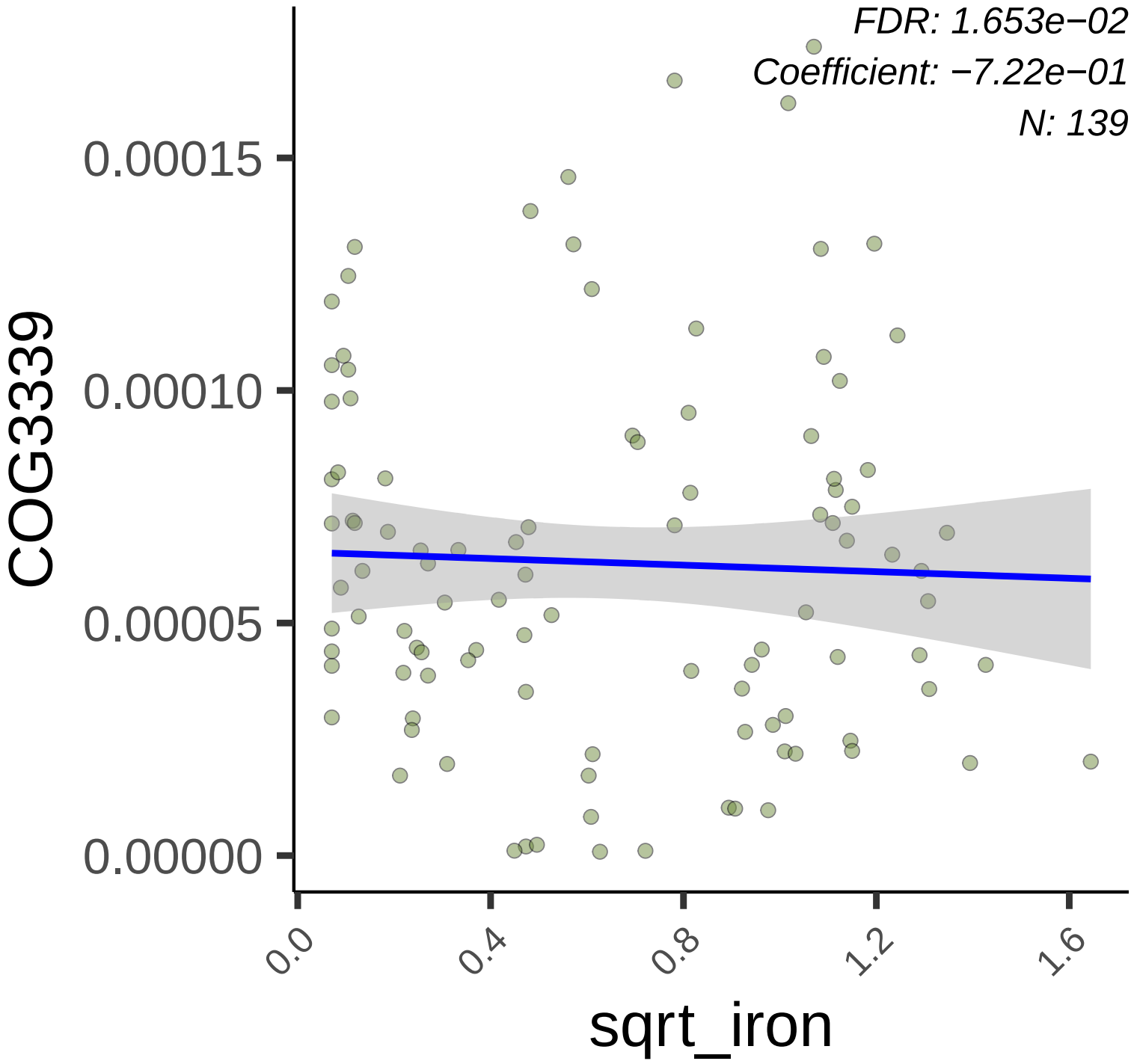
COG1469
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.653e−02
Coefficient: −7.22e−01
N: 139
COG3339
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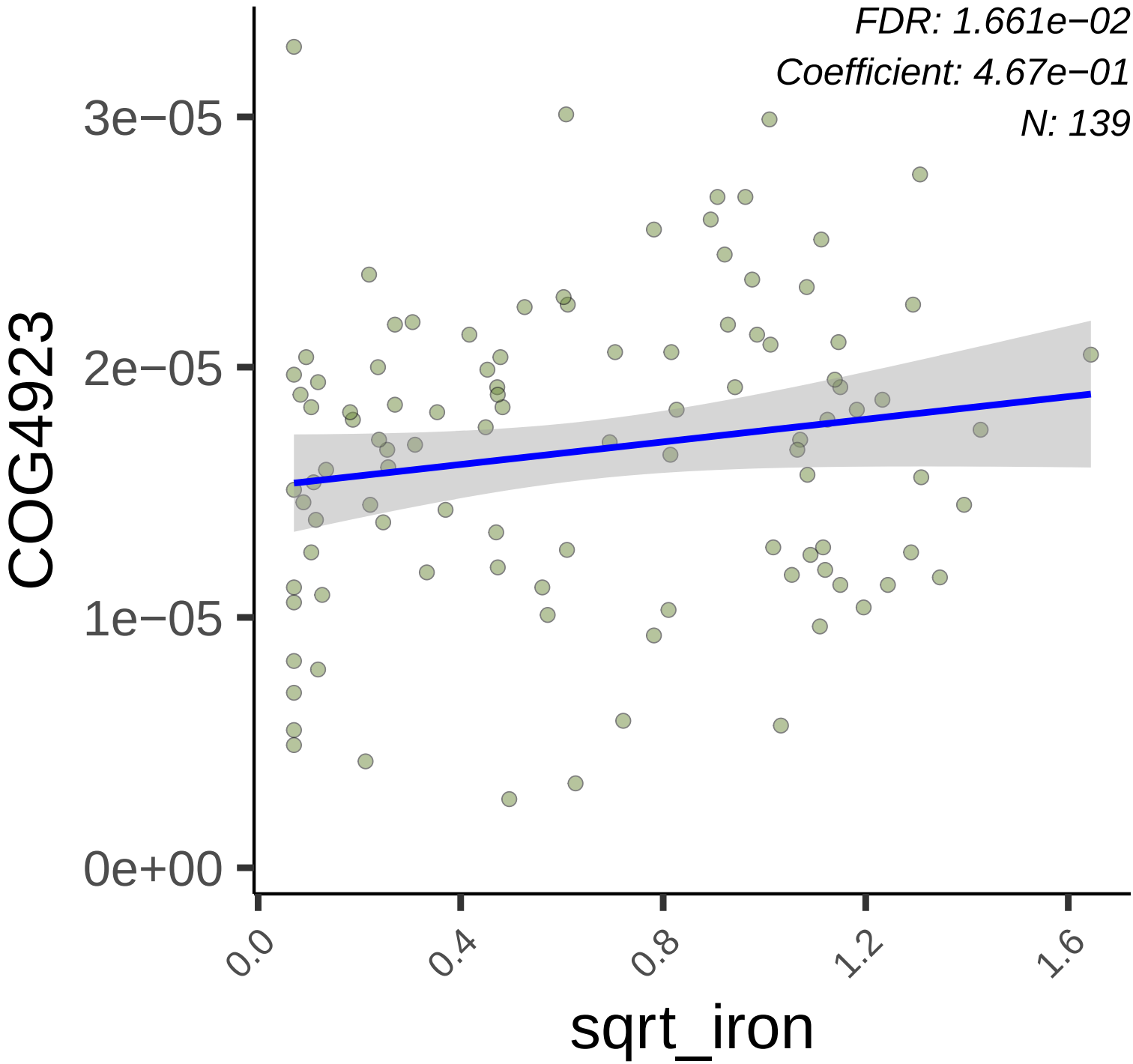
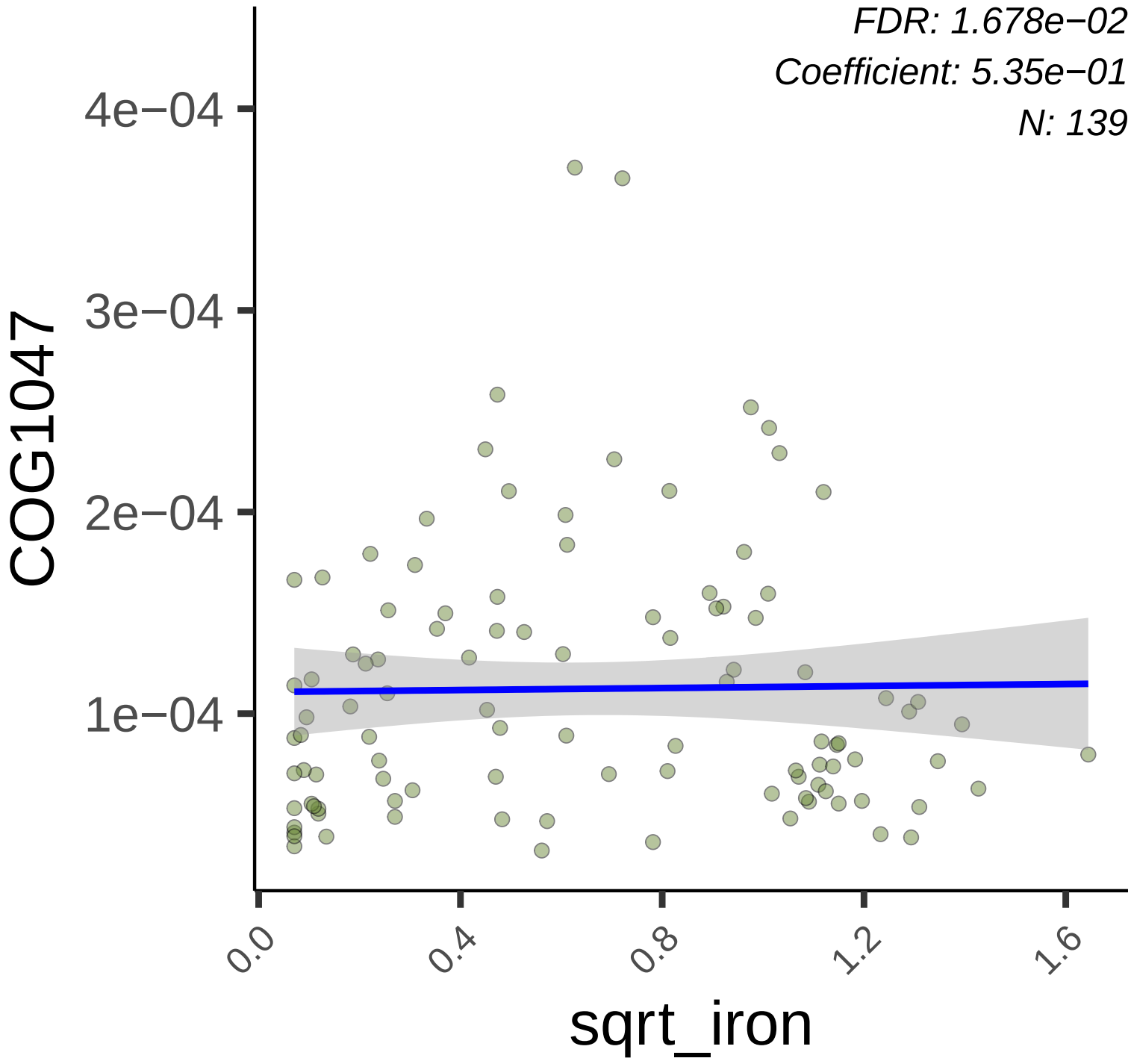
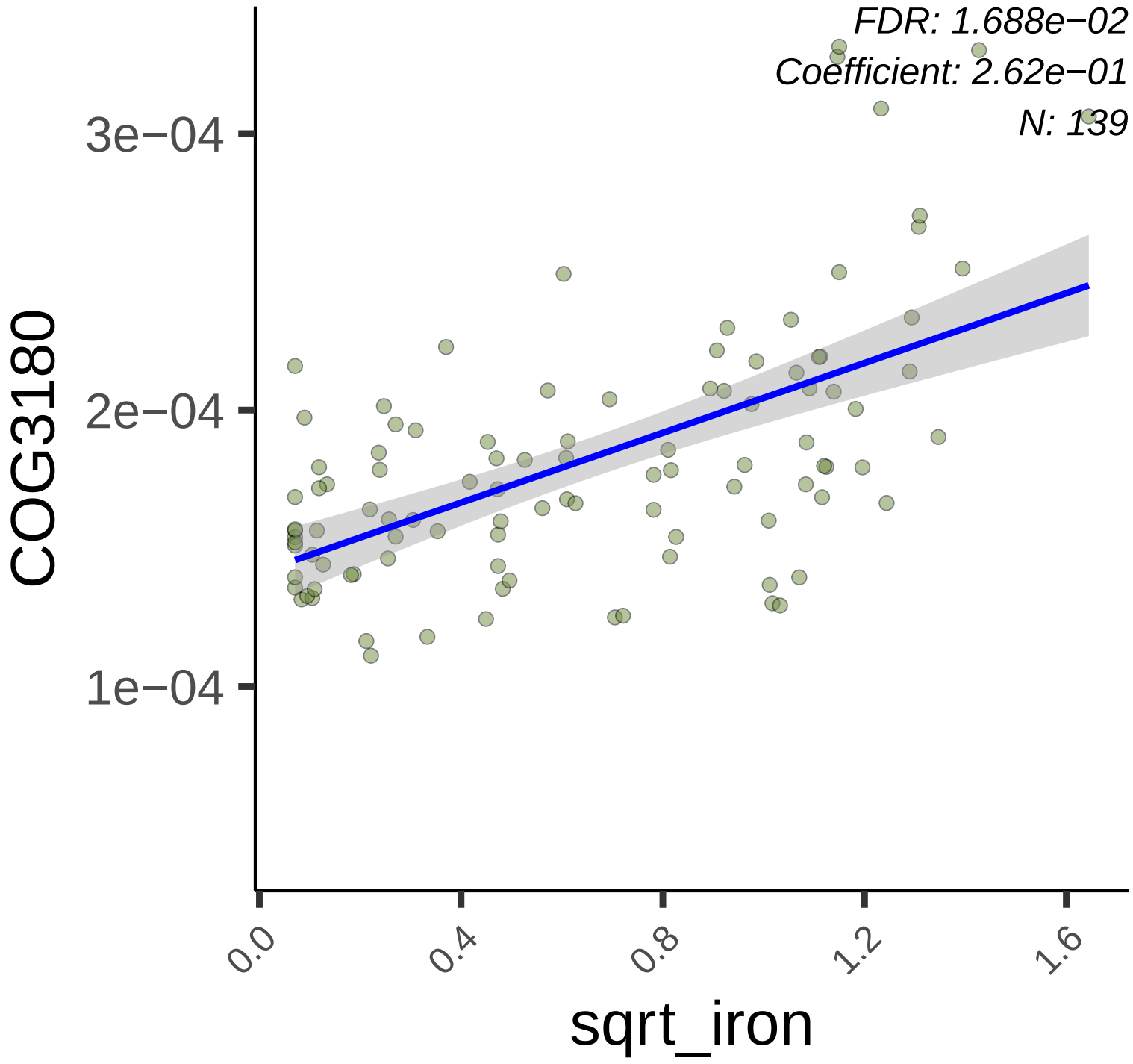
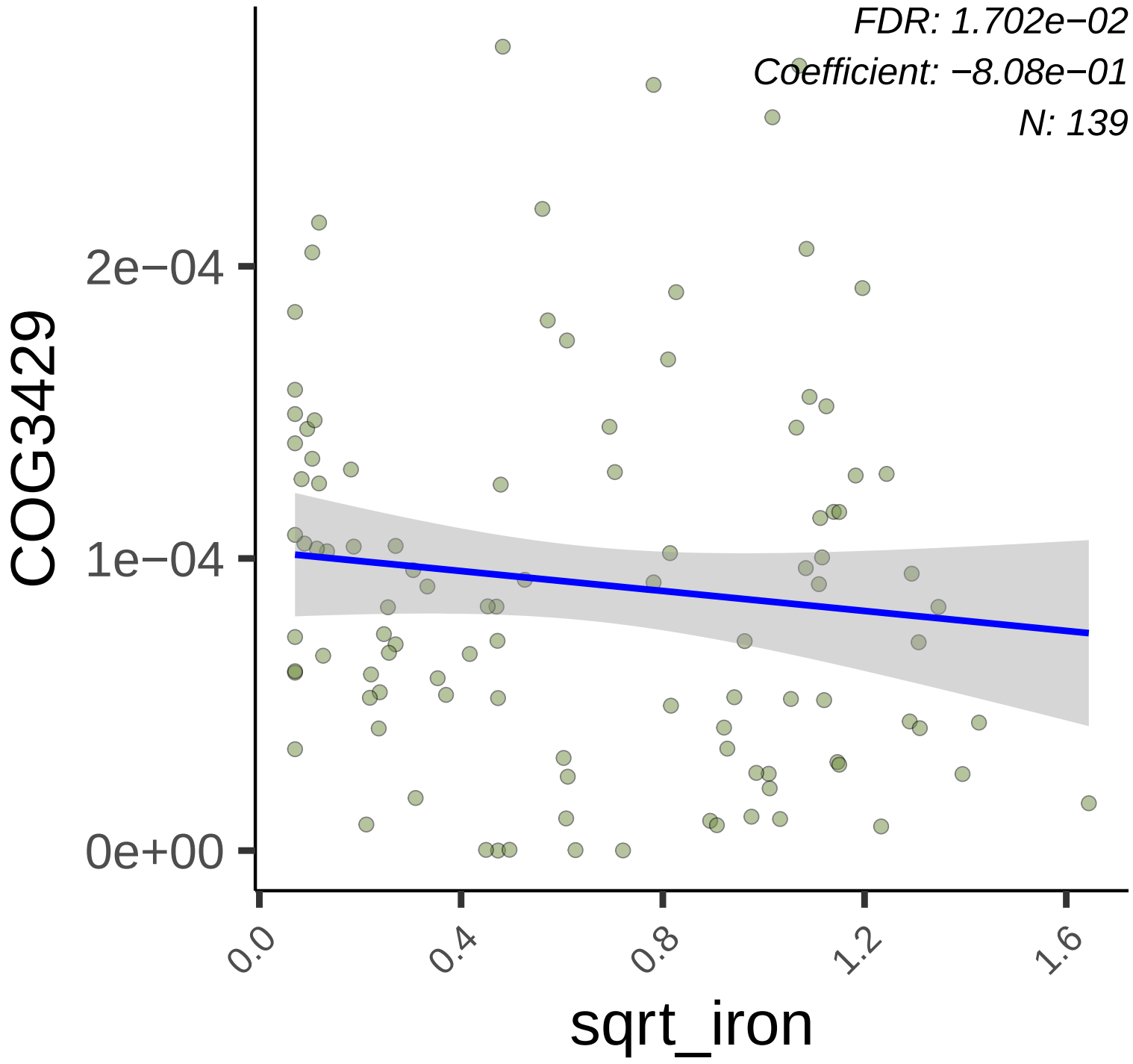
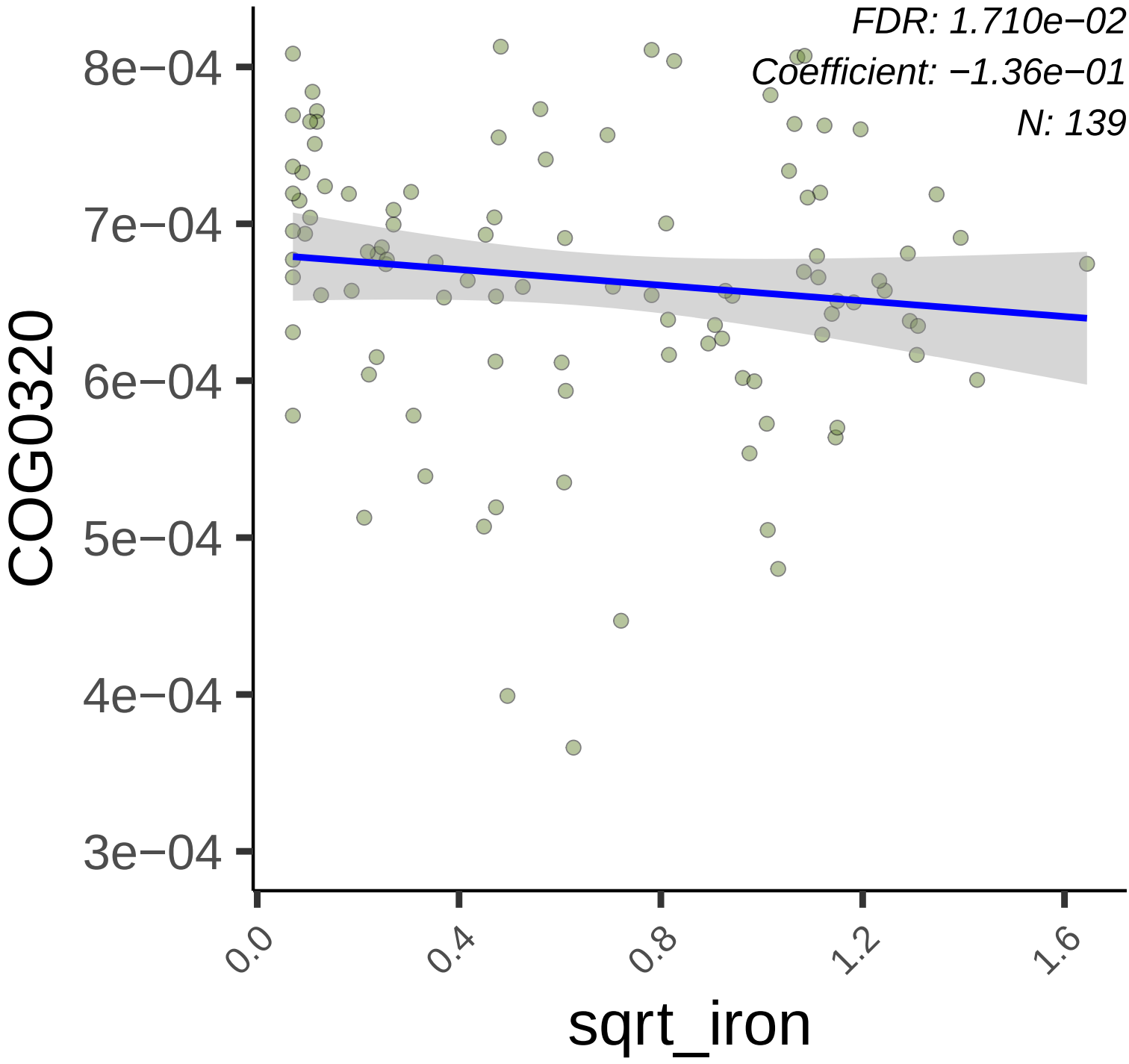
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron

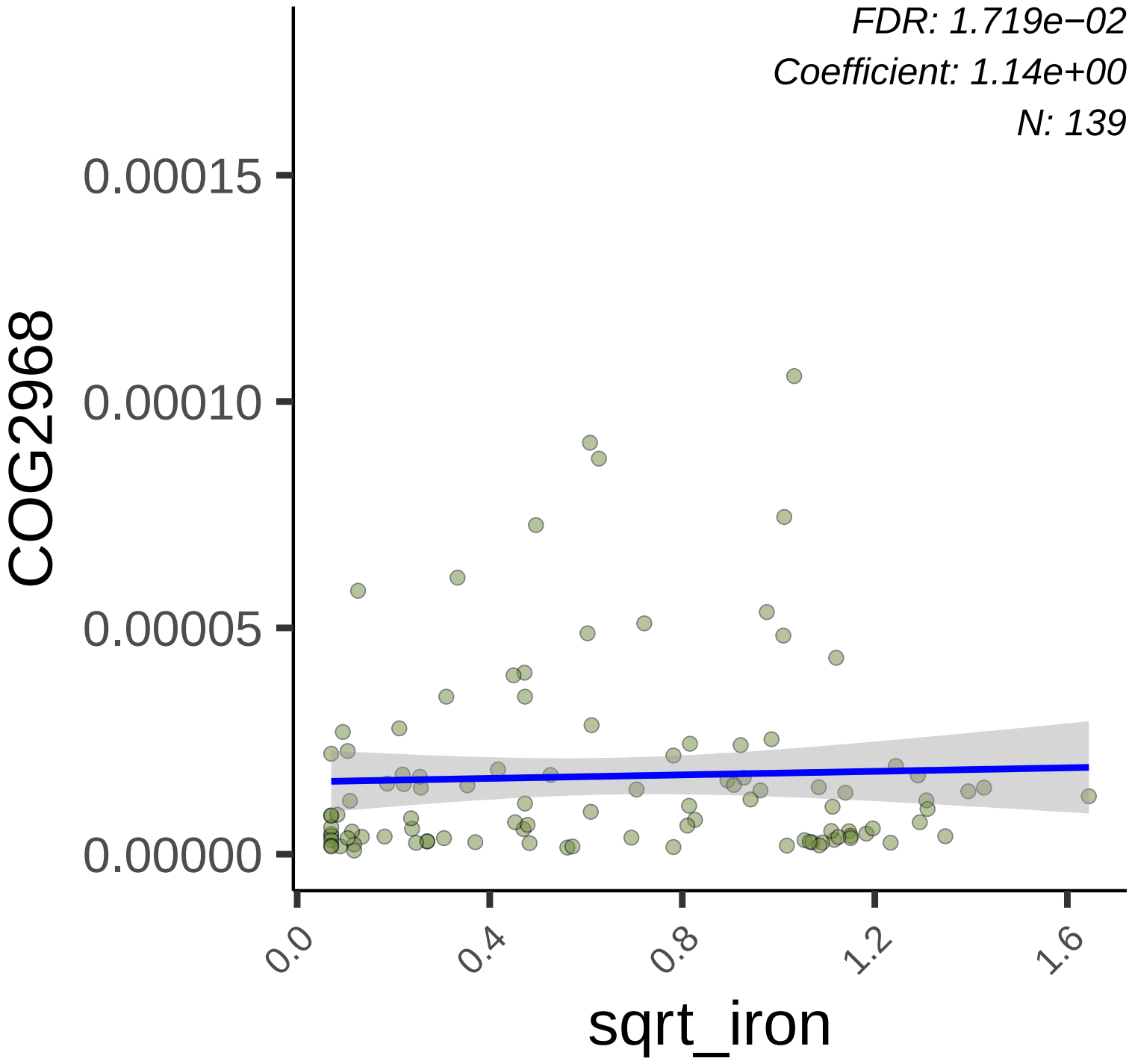

FDR: 1.661e−02
Coefficient: 4.67e−01
N: 139
COG4923
3e−05
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.678e−02
Coefficient: 5.35e−01
N: 139
COG1047
4e−04
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.688e−02
Coefficient: 2.62e−01
N: 139
COG3180
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.702e−02
Coefficient: −8.08e−01
N: 139
COG3429
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.710e−02
Coefficient: −1.36e−01
N: 139
8e−04
7e−04
6e−04
5e−04
4e−04
3e−04
COG0320
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.719e−02
Coefficient: 1.14e+00
N: 139
COG2968
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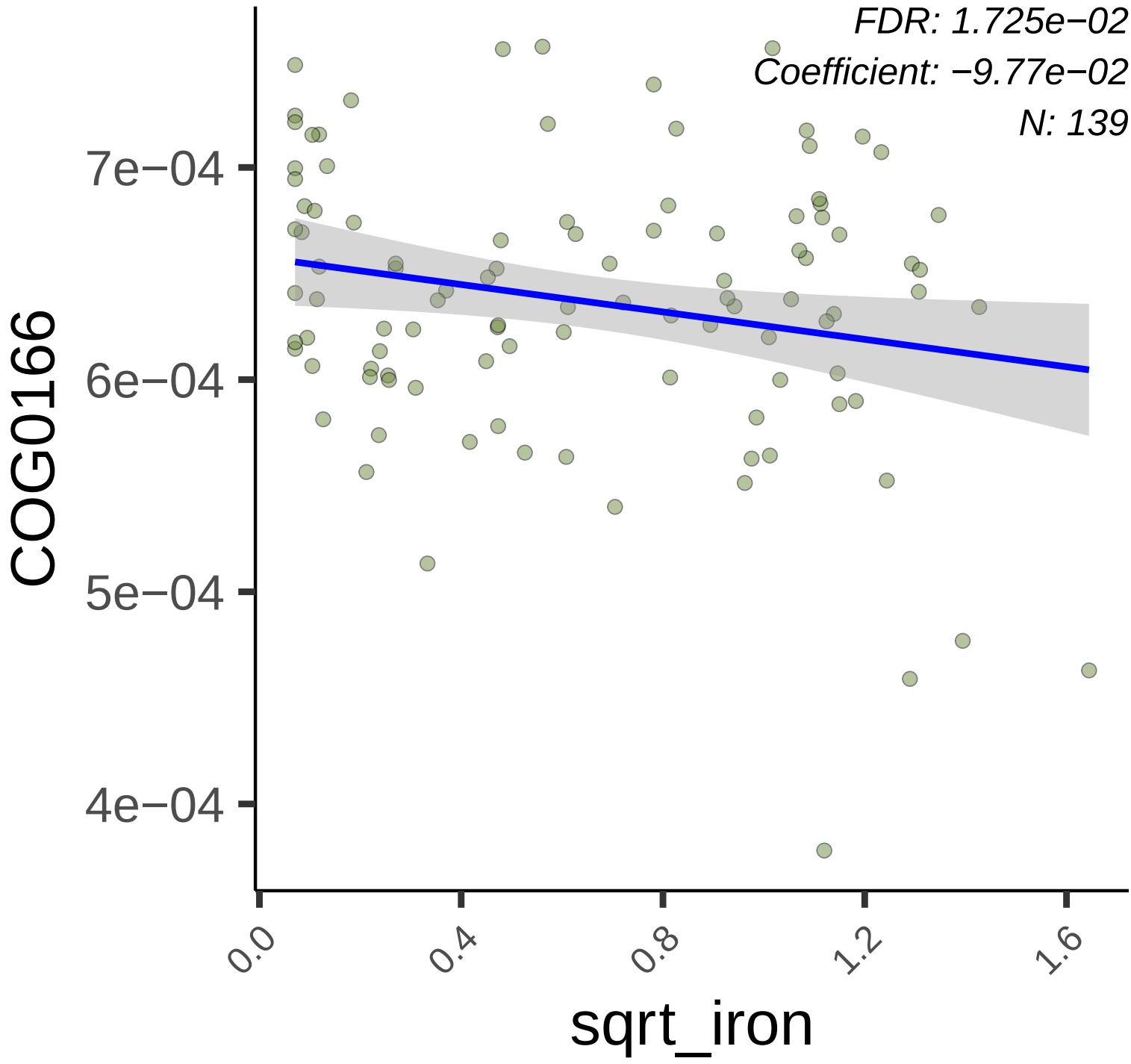
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.725e−02
Coefficient: −9.77e−02
N: 139
7e−04
6e−04
5e−04
4e−04
COG0166
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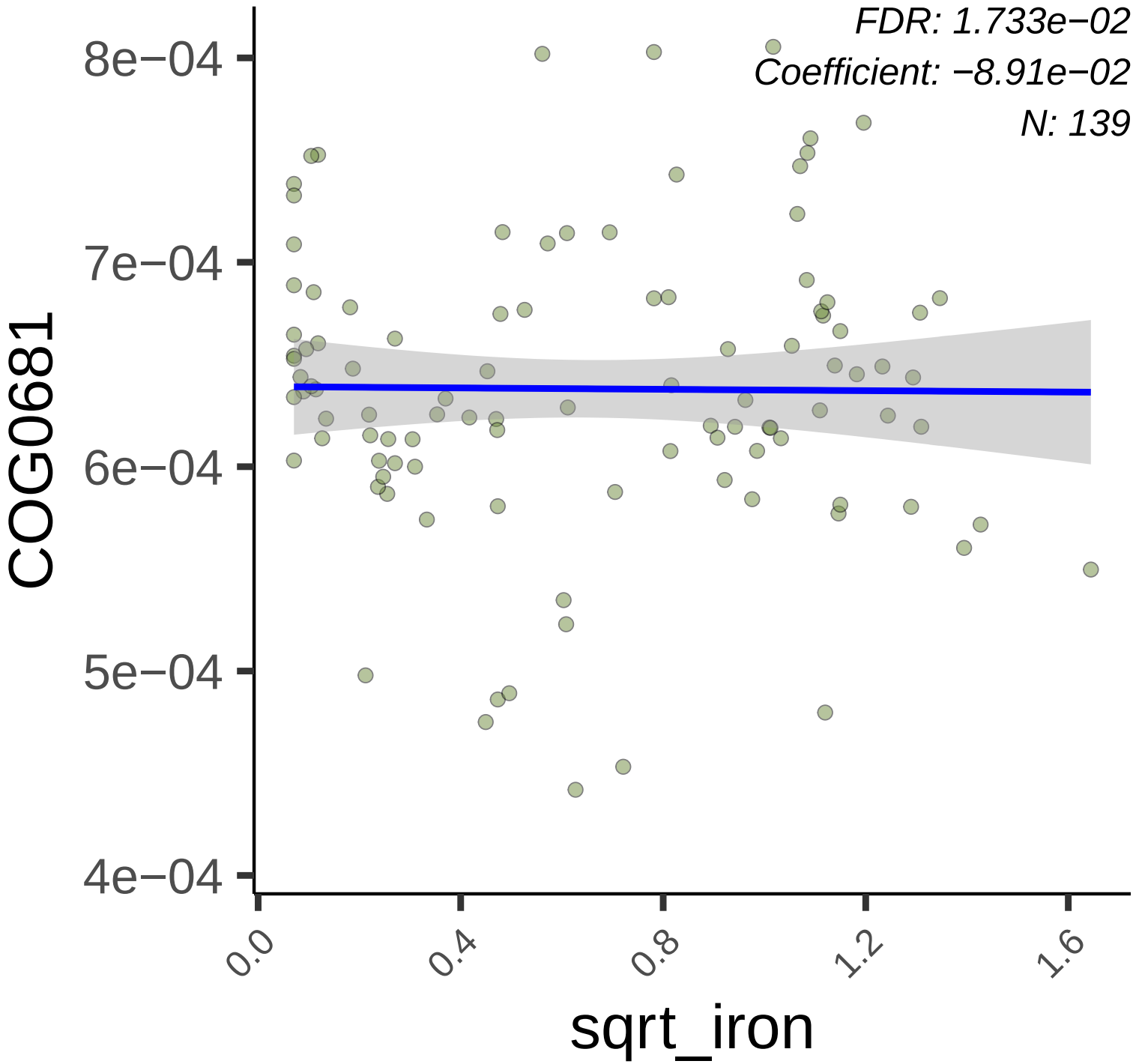
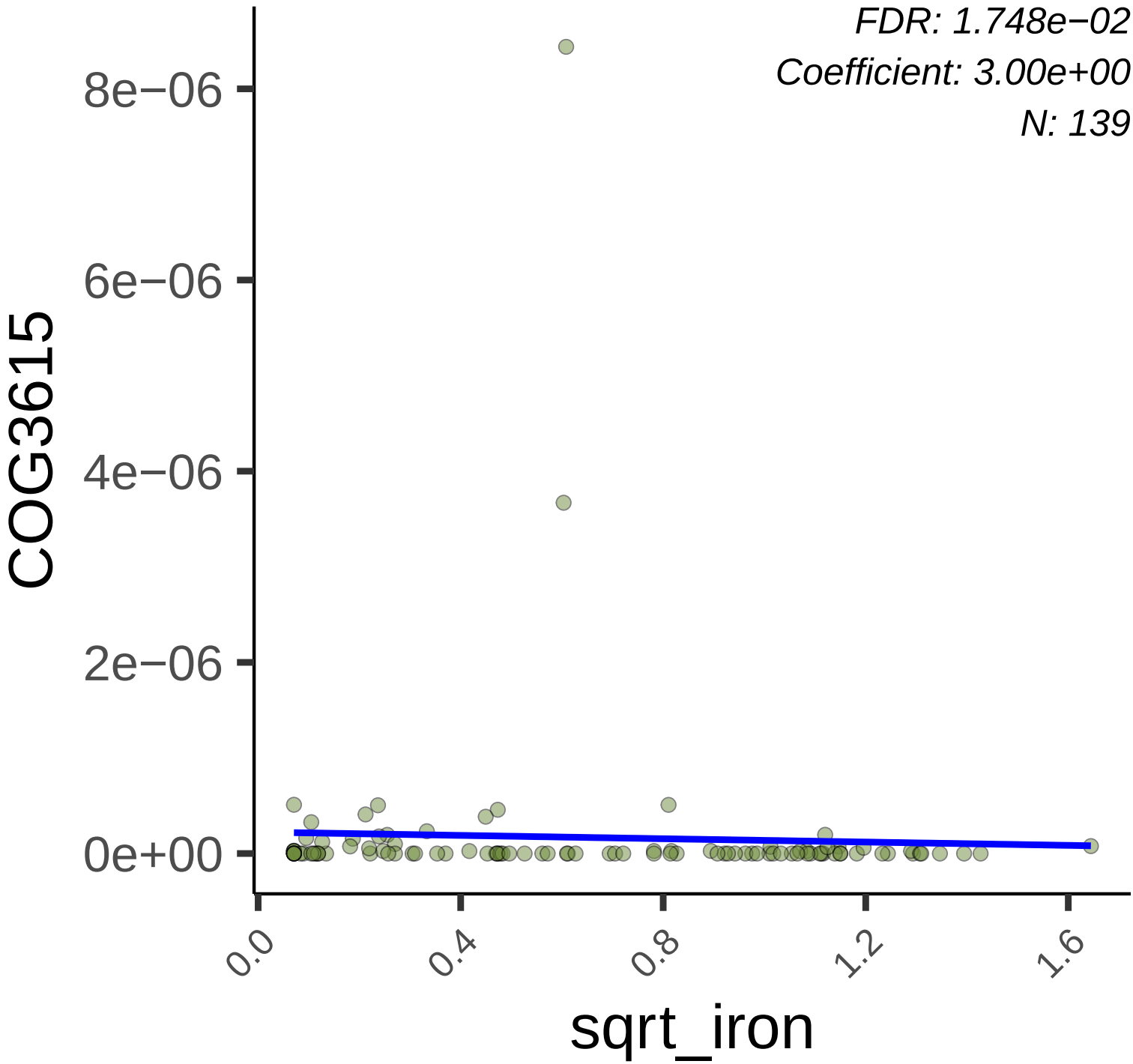
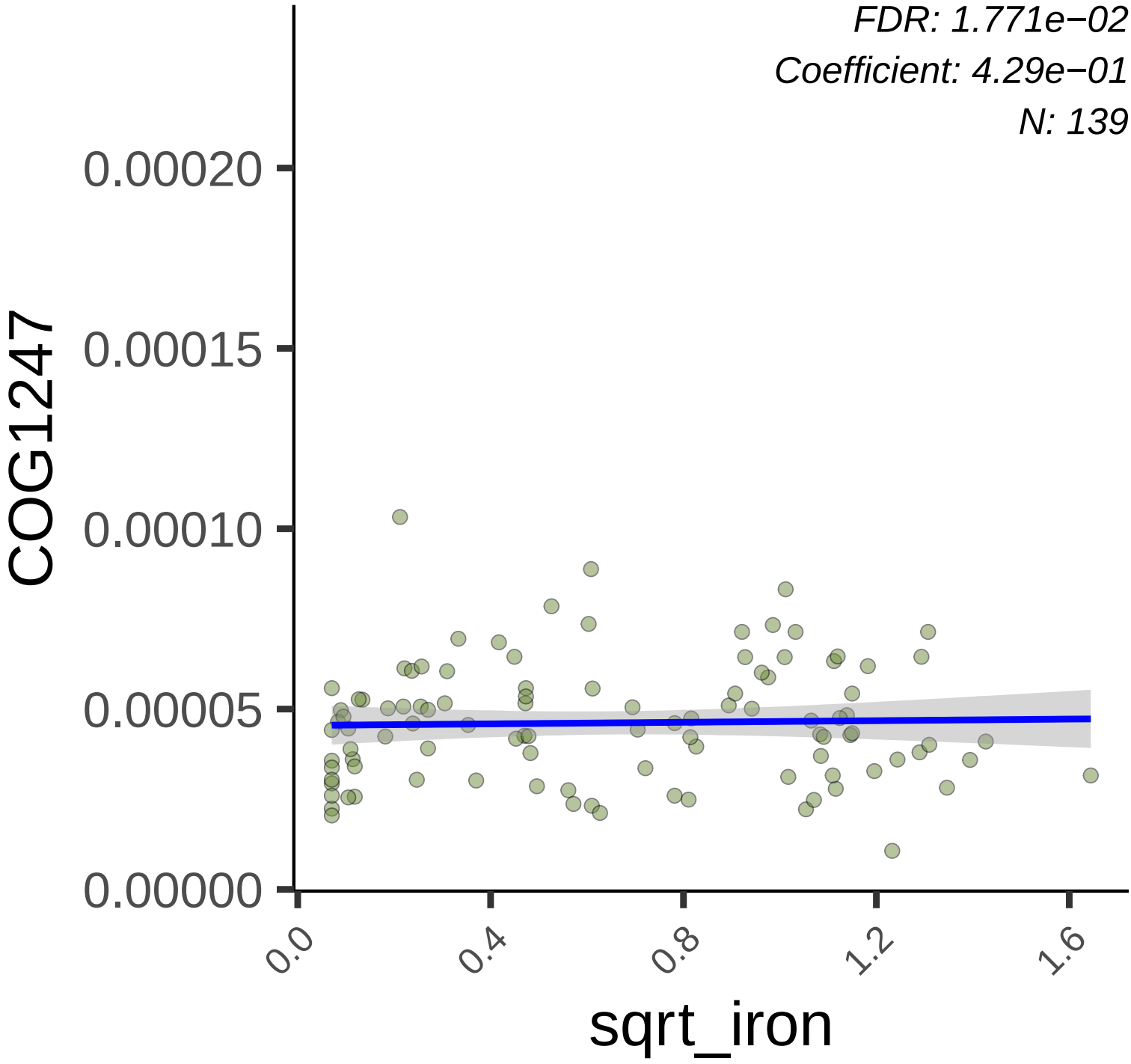
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.733e−02
Coefficient: −8.91e−02
N: 139
8e−04
7e−04
6e−04
5e−04
4e−04
COG0681
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.748e−02
Coefficient: 3.00e+00
N: 139
COG3615
8e−06
6e−06
4e−06
2e−06
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.771e−02
Coefficient: 4.29e−01
N: 139
COG1247
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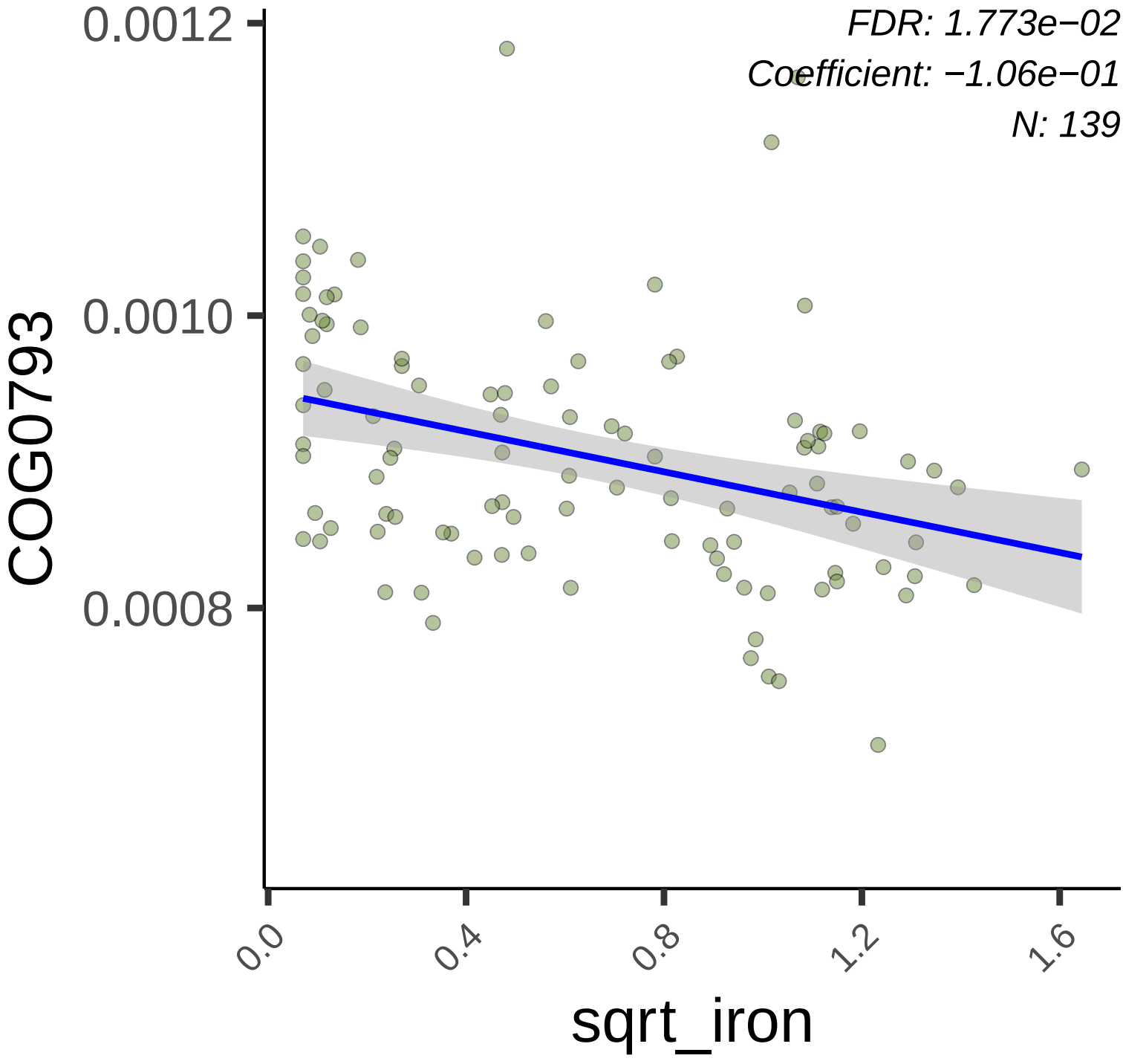
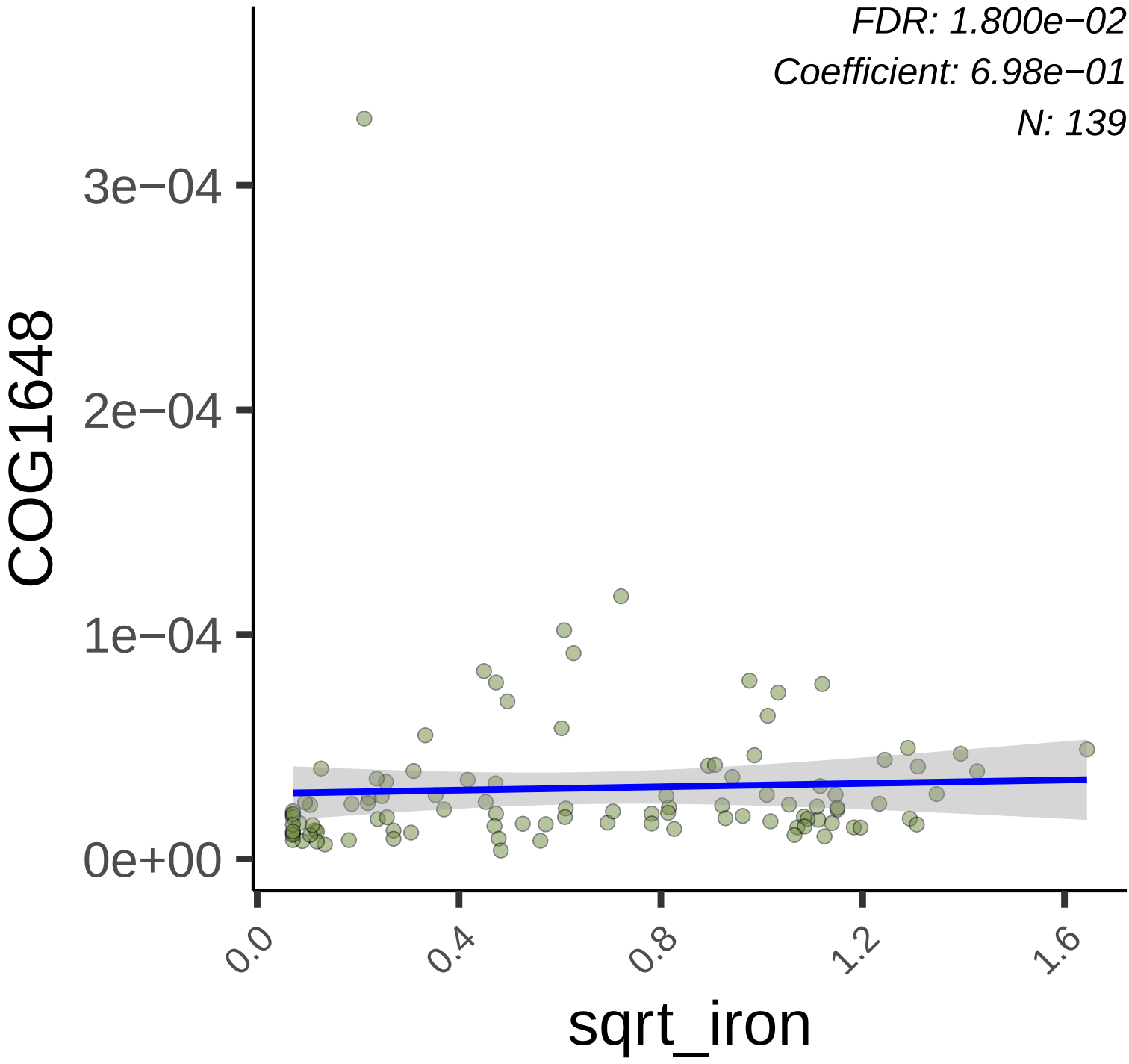
0.00015
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.773e−02
Coefficient: −1.06e−01
N: 139
0.0012
0.0010
0.0008
COG0793
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.800e−02
Coefficient: 6.98e−01
N: 139
COG1648
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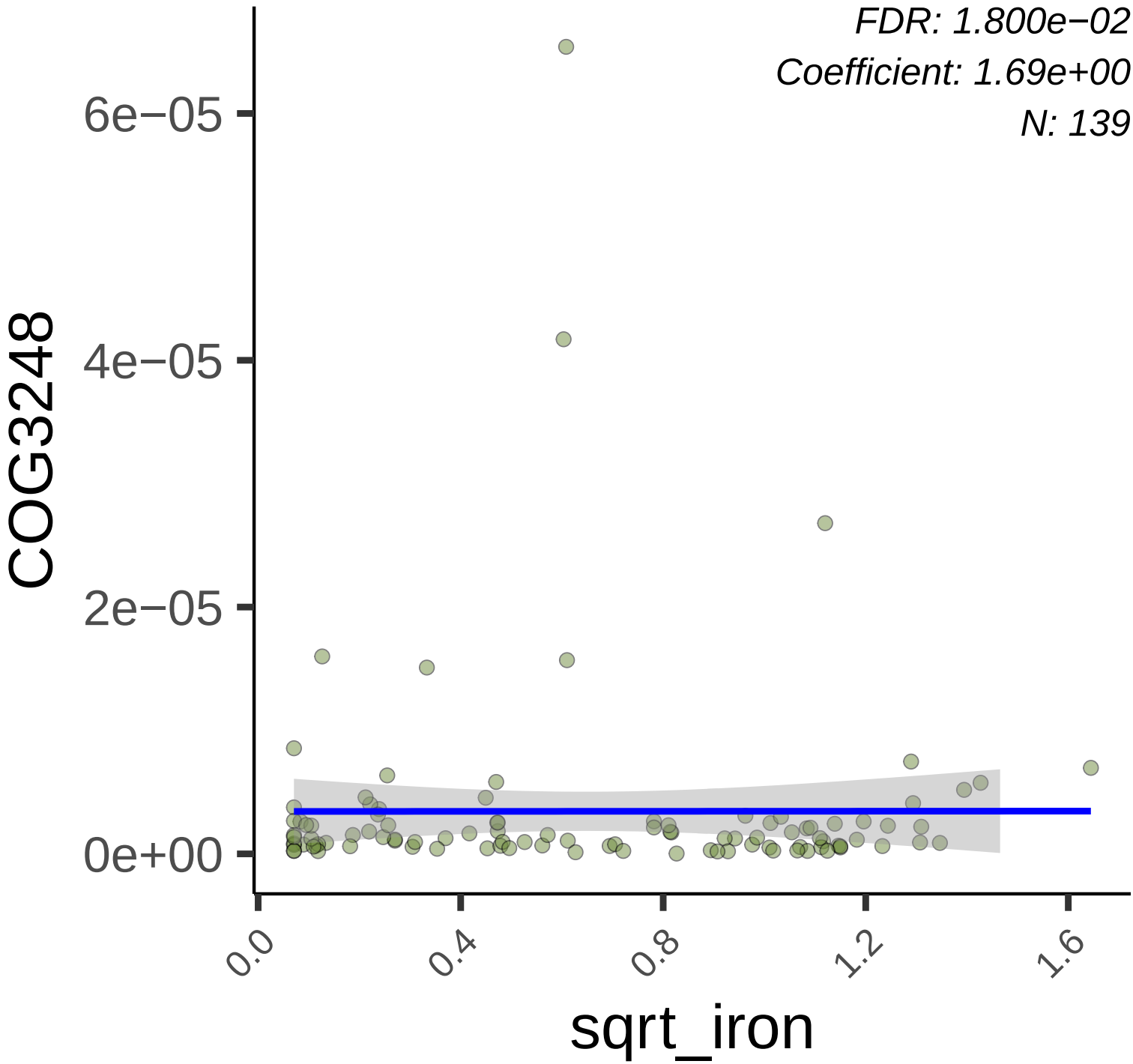
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.800e−02
Coefficient: 1.69e+00
N: 139
COG3248
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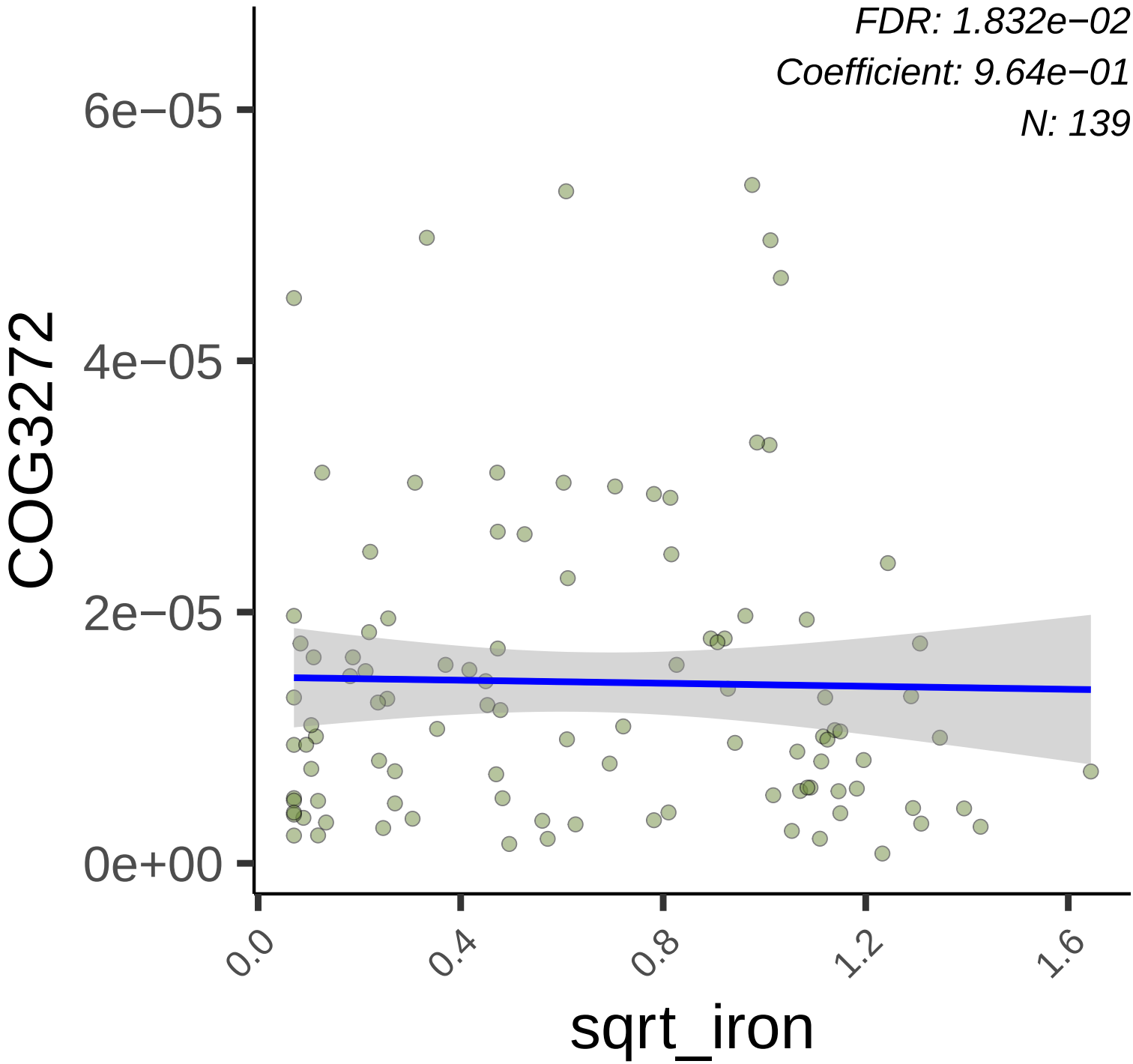
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.832e−02
Coefficient: 9.64e−01
N: 139
COG3272
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4e−05
2e−05
0e+00
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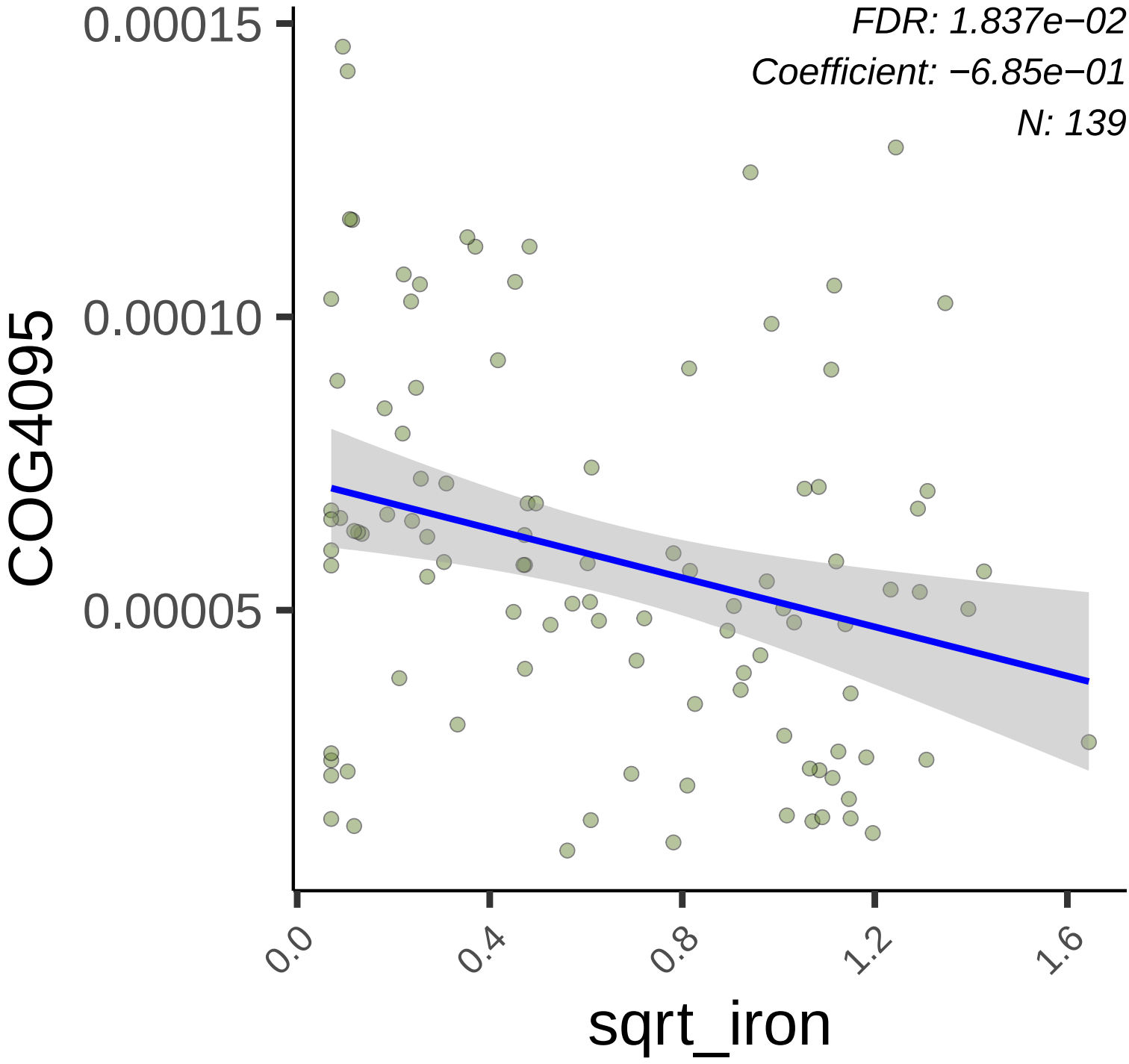
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.837e−02
Coefficient: −6.85e−01
N: 139
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0.00010
0.00005
COG4095
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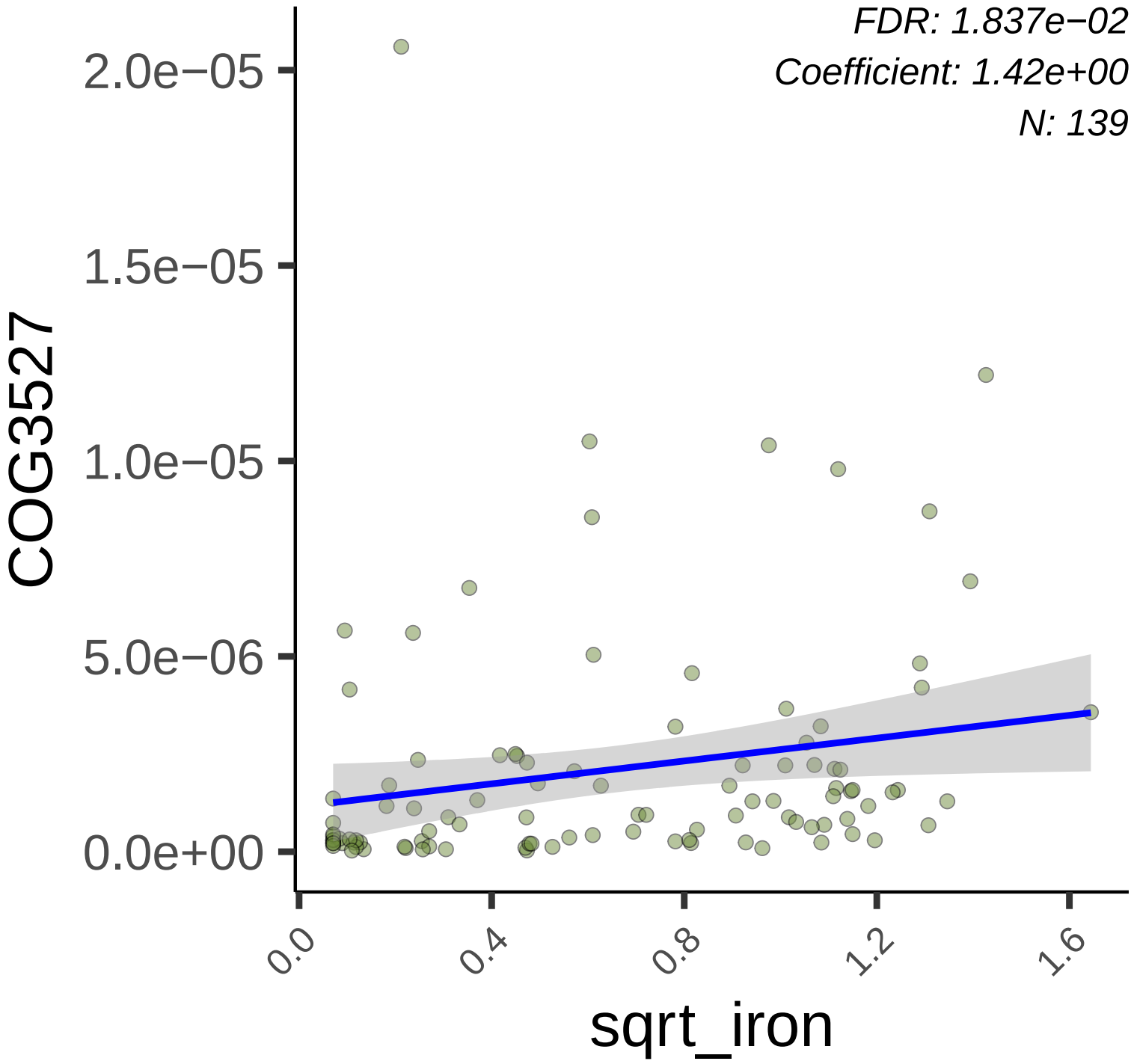
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.837e−02
Coefficient: 1.42e+00
N: 139
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
COG3527
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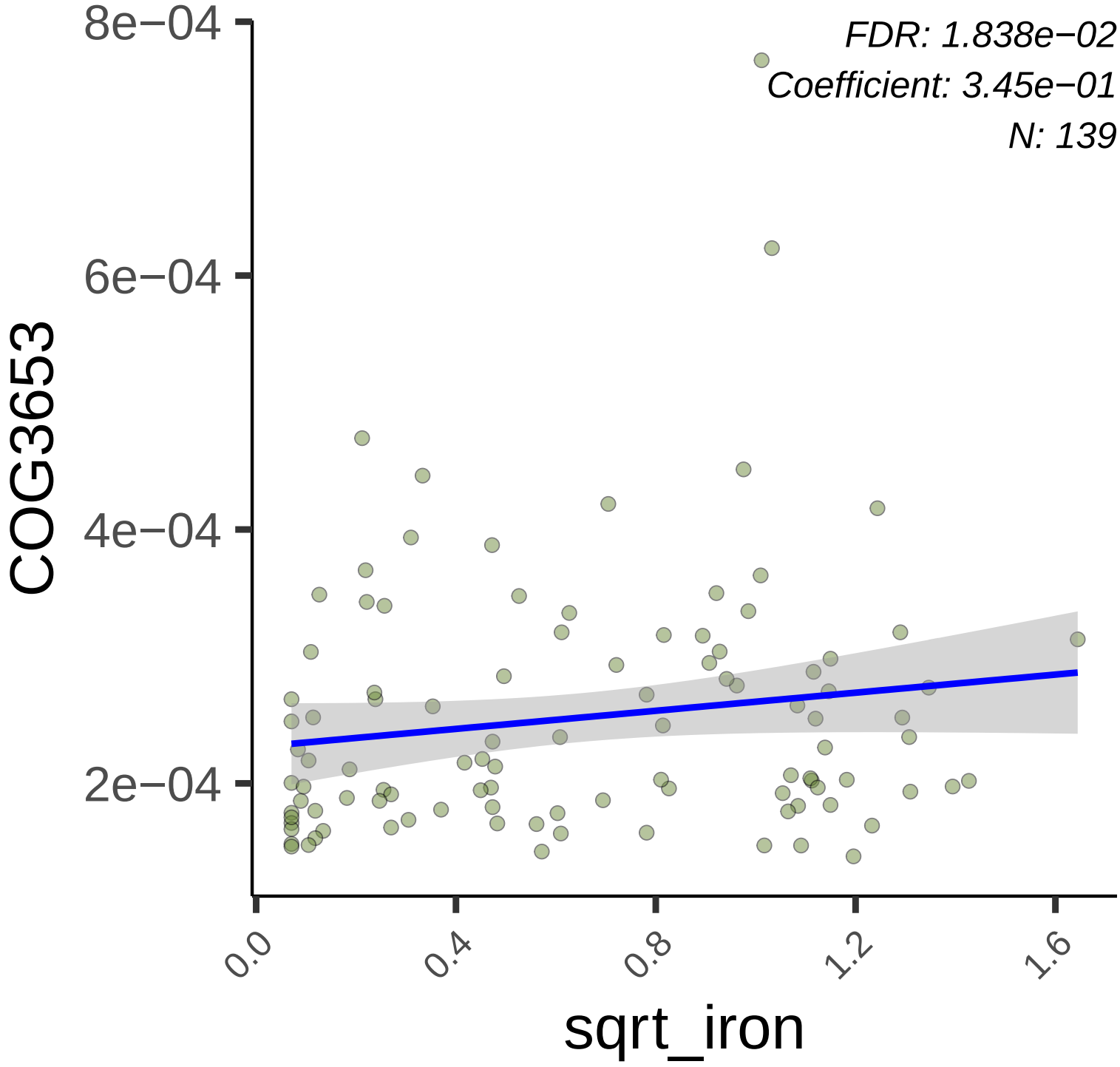
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.838e−02
Coefficient: 3.45e−01
N: 139
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6e−04
4e−04
2e−04
COG3653
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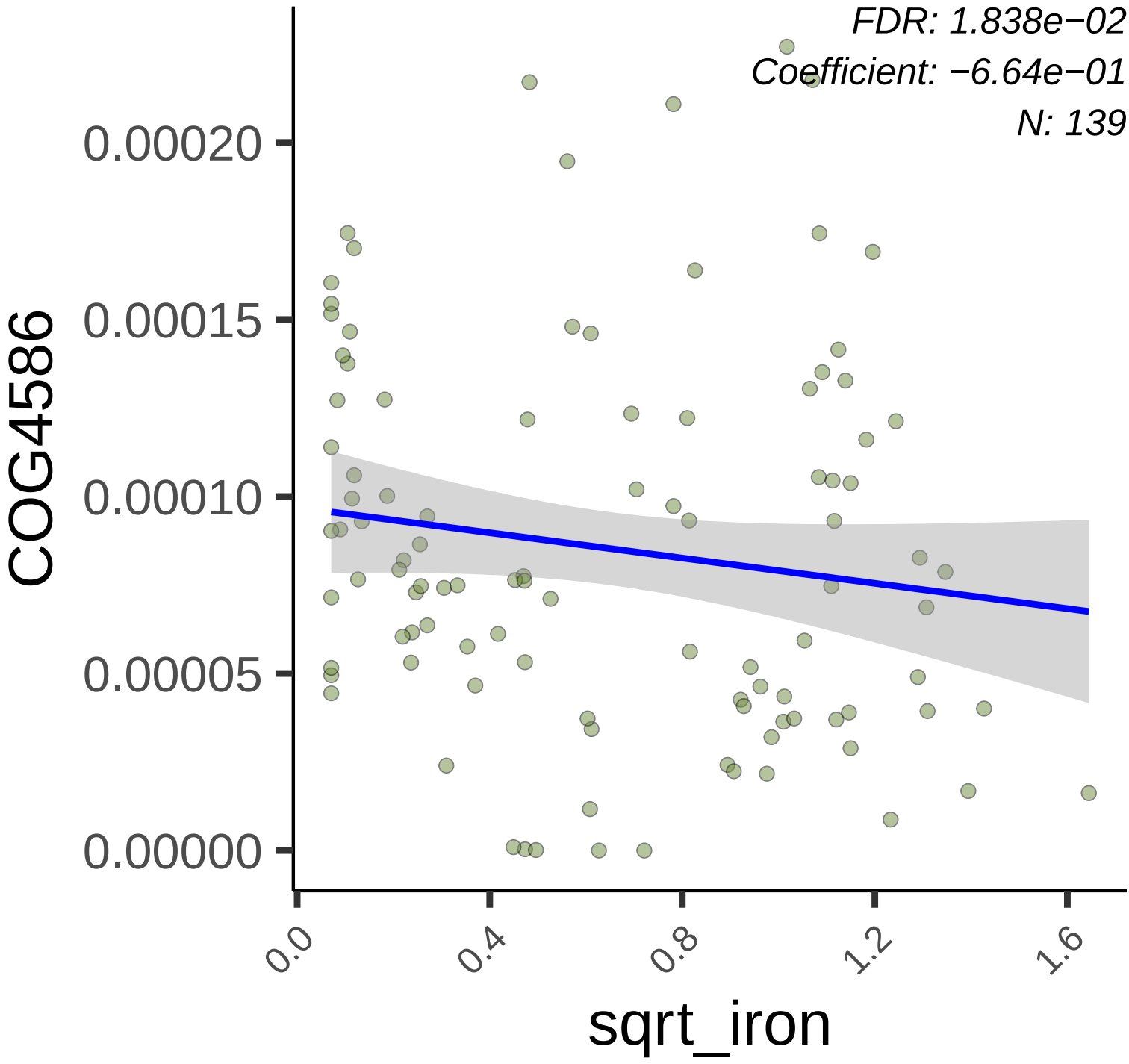
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.838e−02
Coefficient: −6.64e−01
N: 139
COG4586
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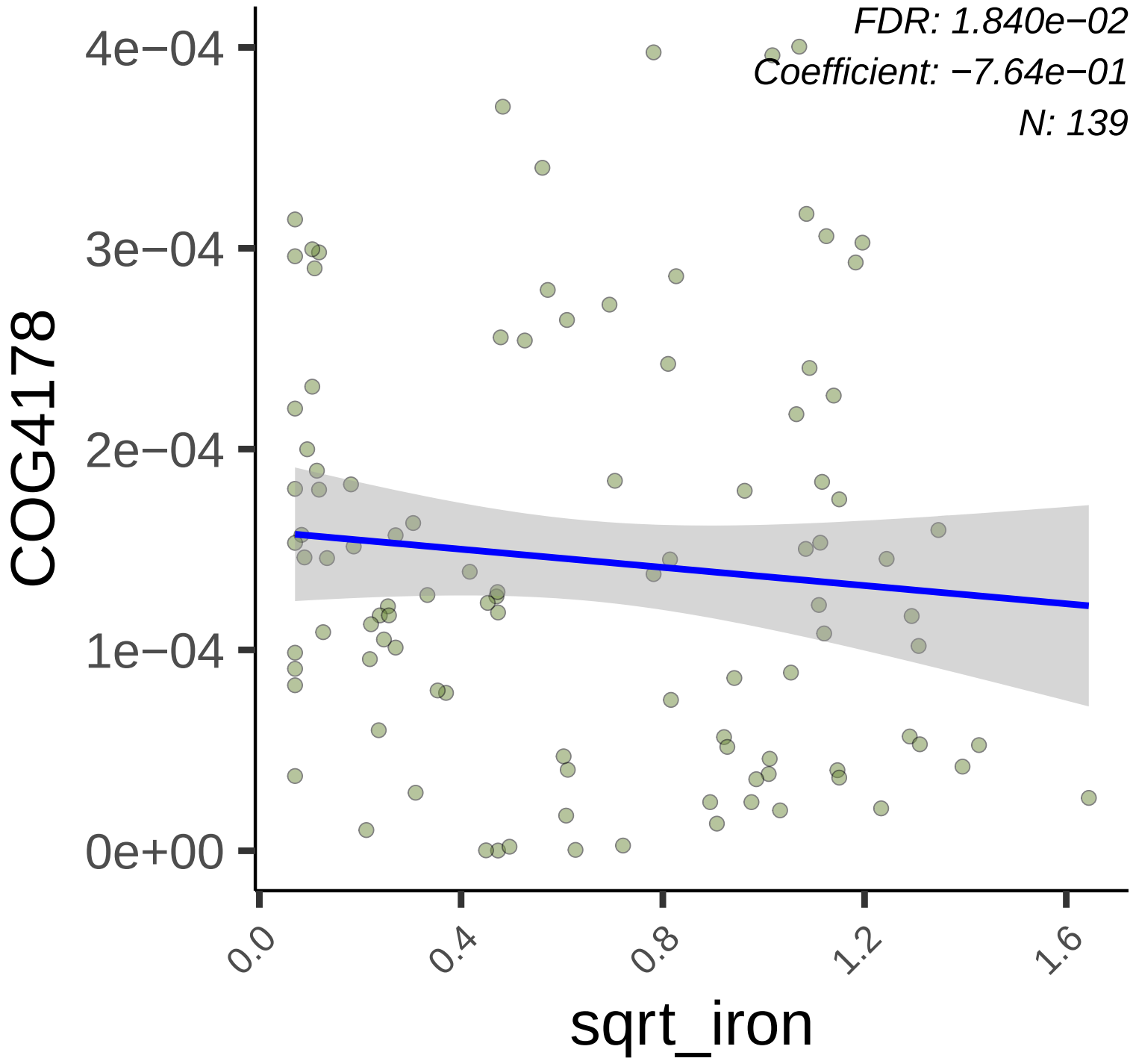
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.840e−02
Coefficient: −7.64e−01
N: 139
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3e−04
2e−04
1e−04
0e+00
COG4178
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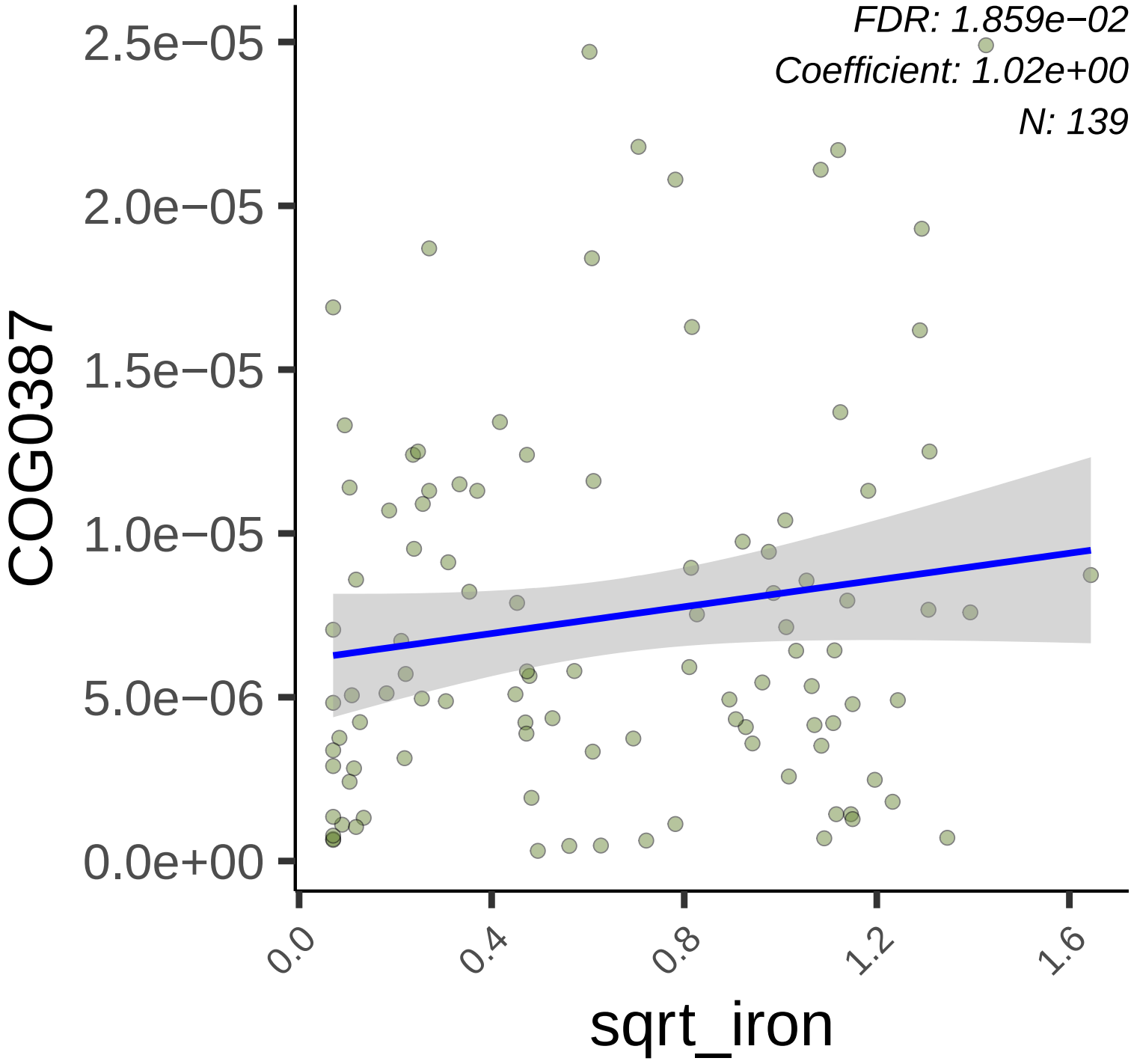
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.859e−02
Coefficient: 1.02e+00
N: 139
COG0387
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2.0e−05
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5.0e−06
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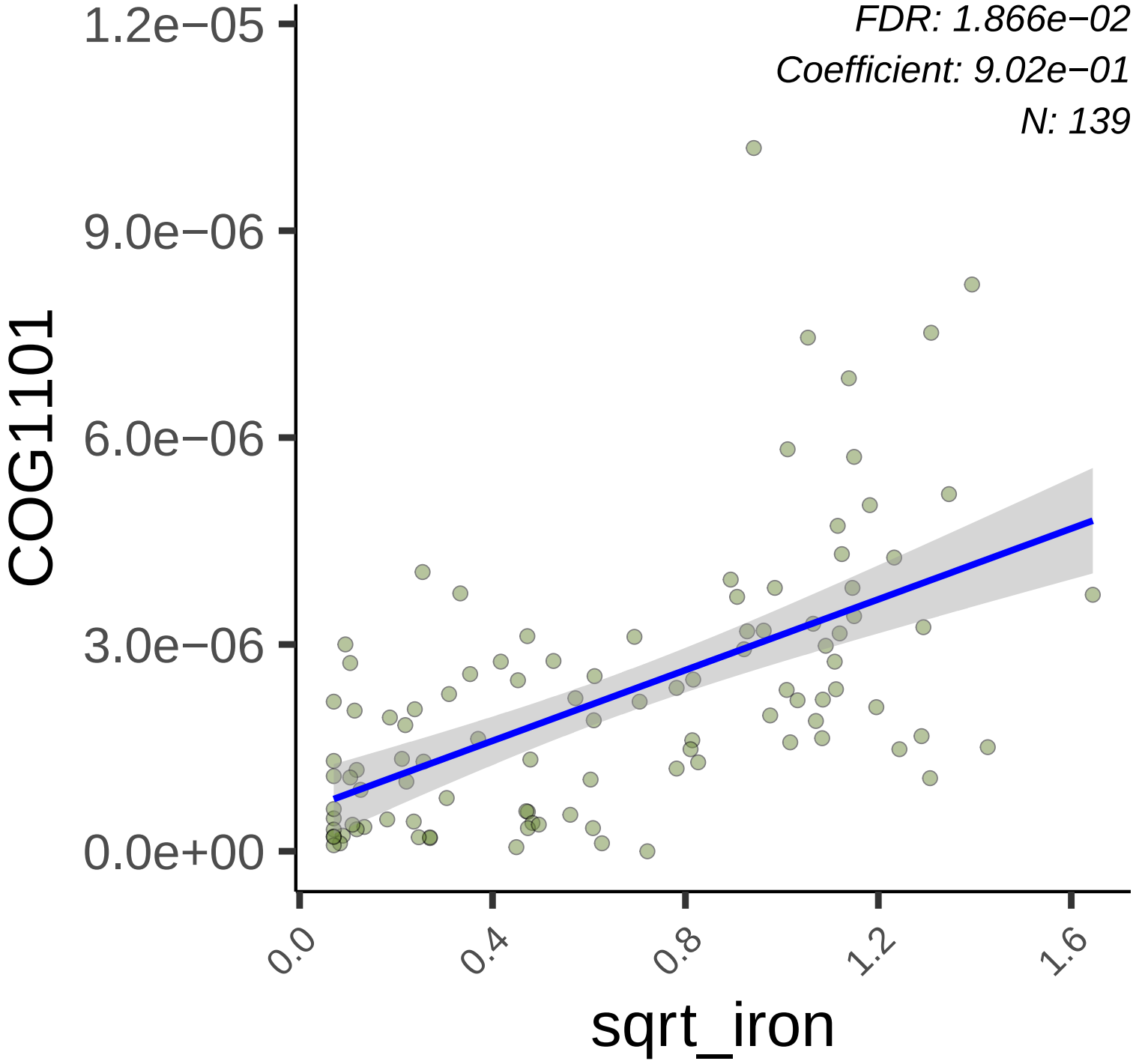
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.866e−02
Coefficient: 9.02e−01
N: 139
1.2e−05
9.0e−06
6.0e−06
3.0e−06
0.0e+00
COG1101
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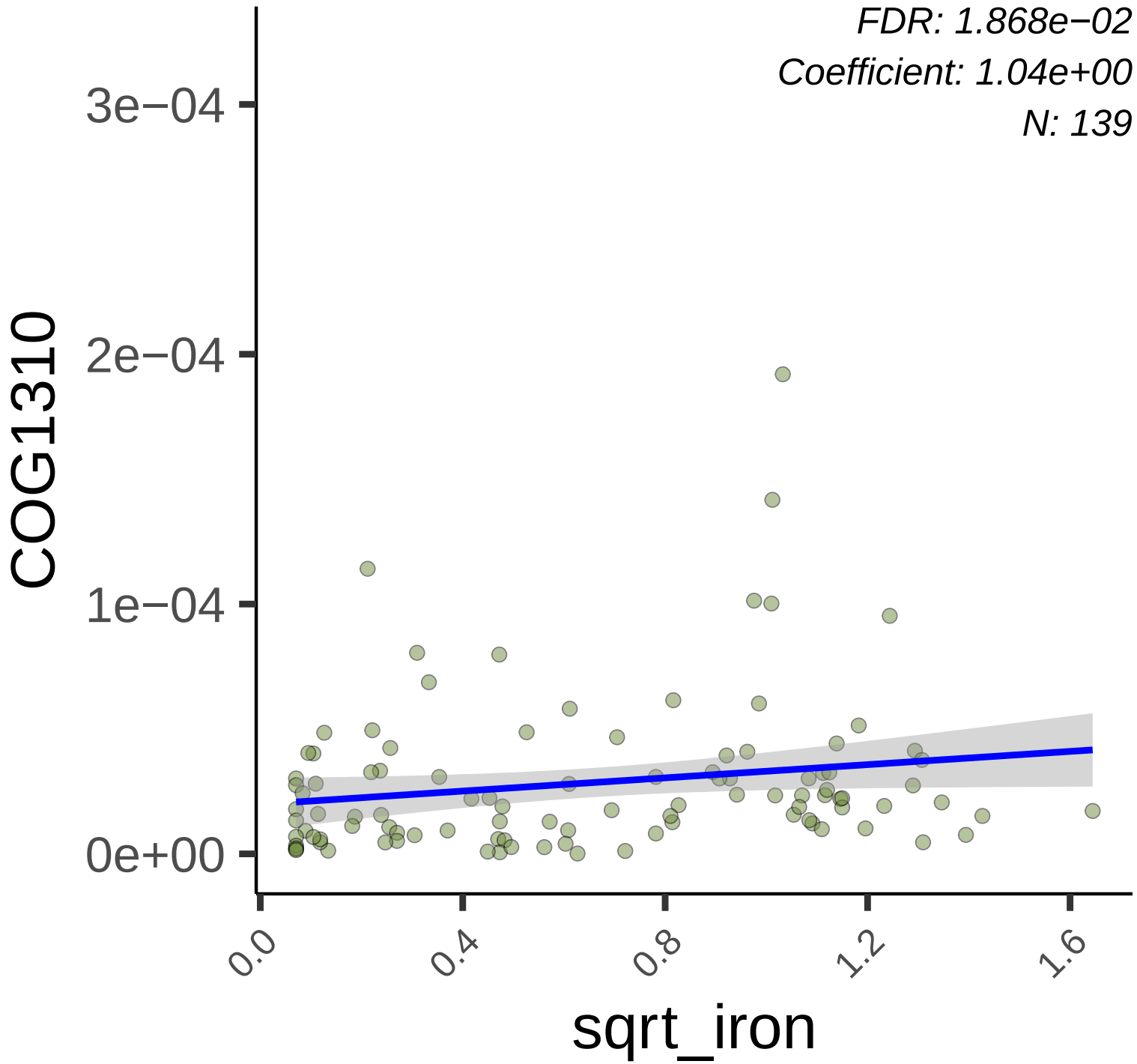
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.868e−02
Coefficient: 1.04e+00
N: 139
COG1310
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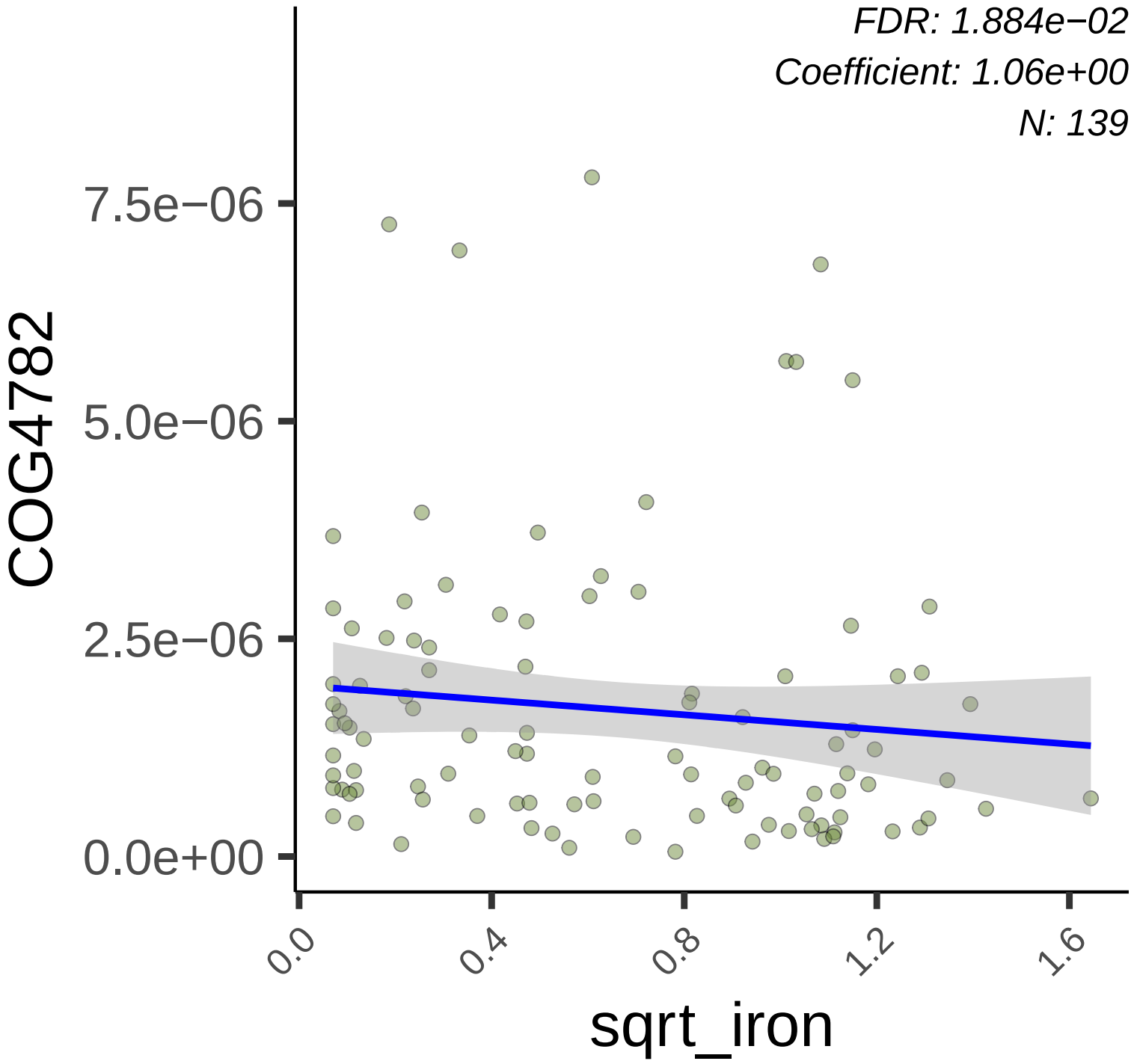
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.884e−02
Coefficient: 1.06e+00
N: 139
COG4782
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5.0e−06
2.5e−06
0.0e+00
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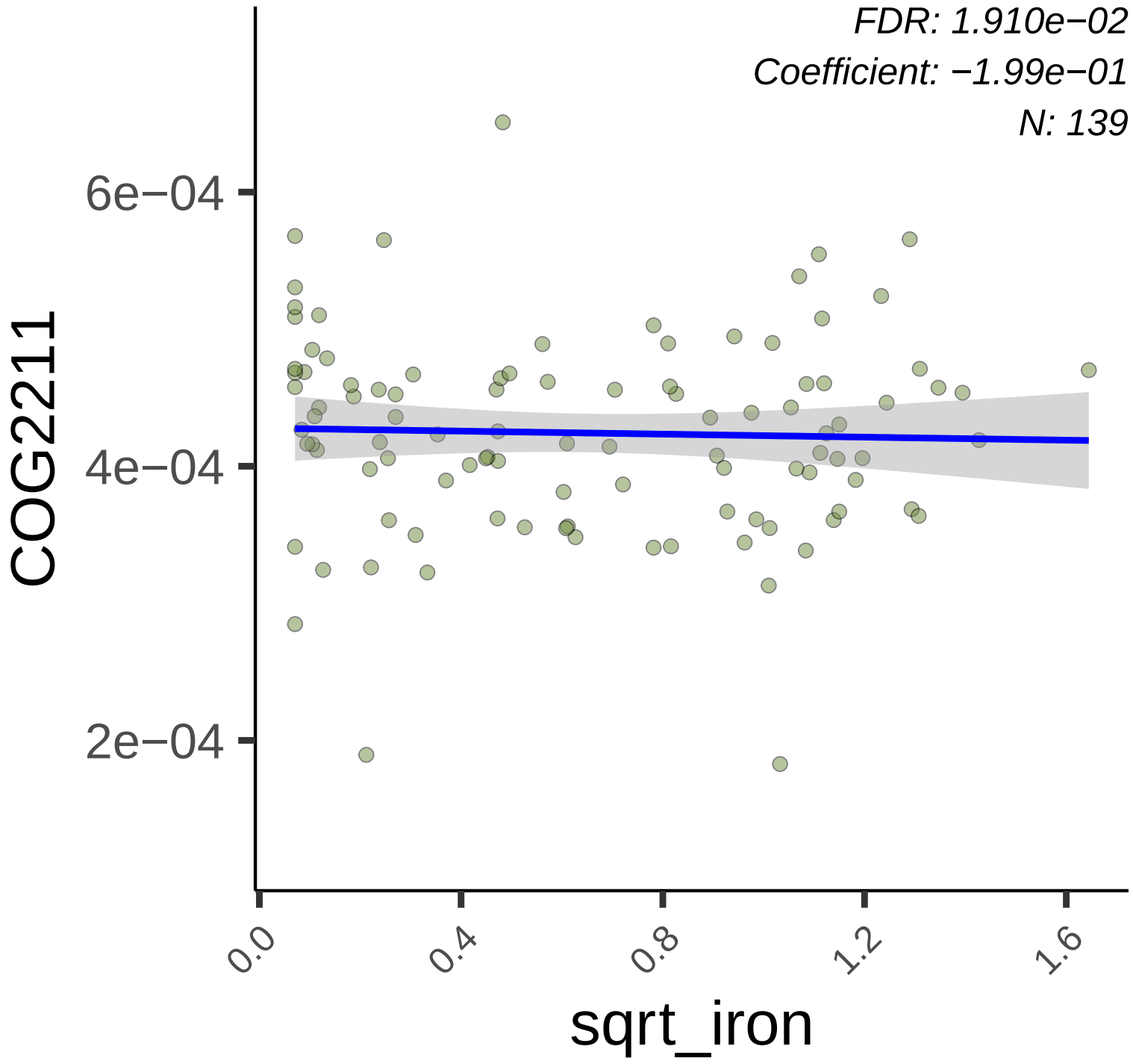
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.910e−02
Coefficient: −1.99e−01
N: 139
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4e−04
2e−04
COG2211
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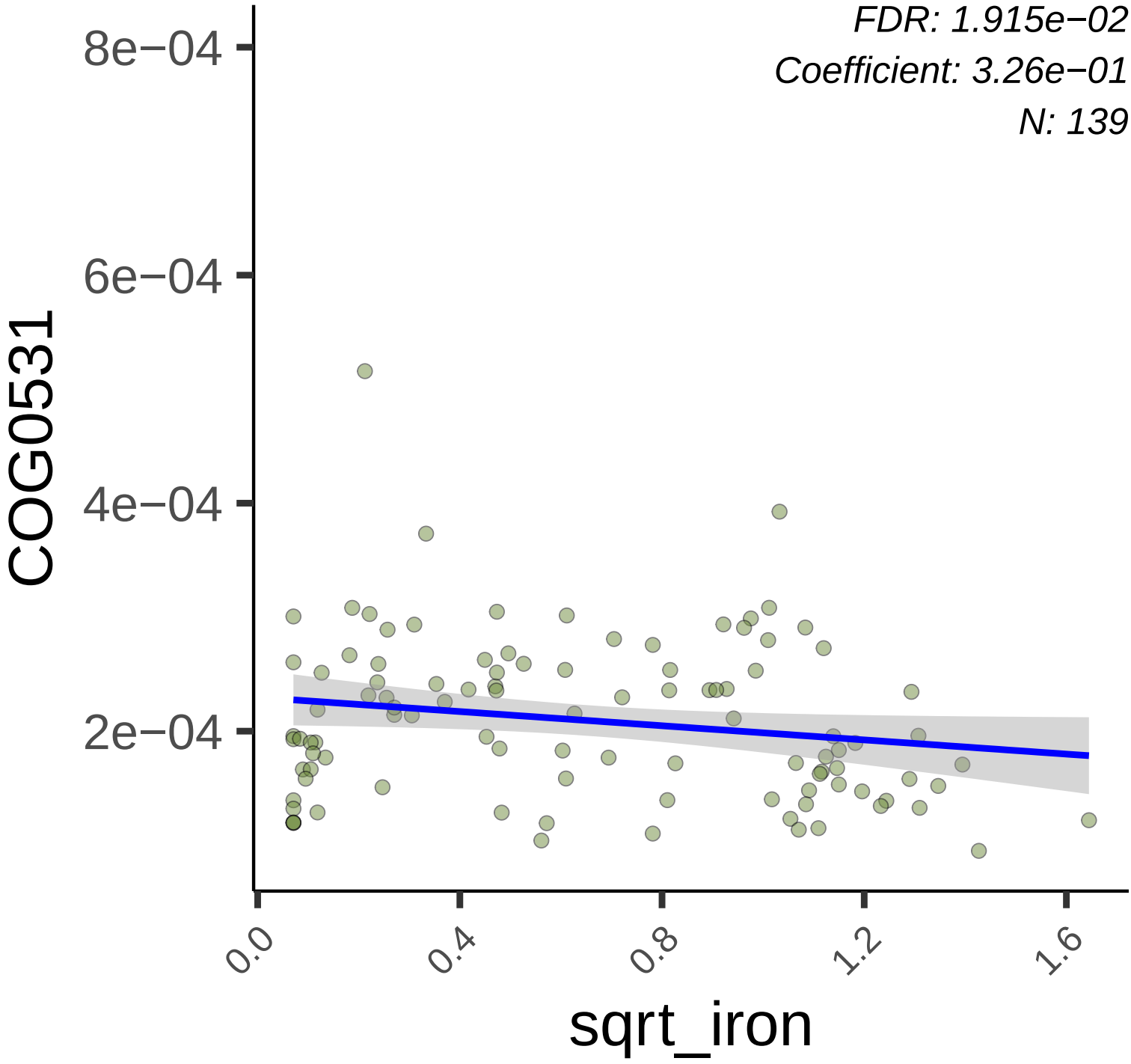
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.915e−02
Coefficient: 3.26e−01
N: 139
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6e−04
4e−04
2e−04
COG0531
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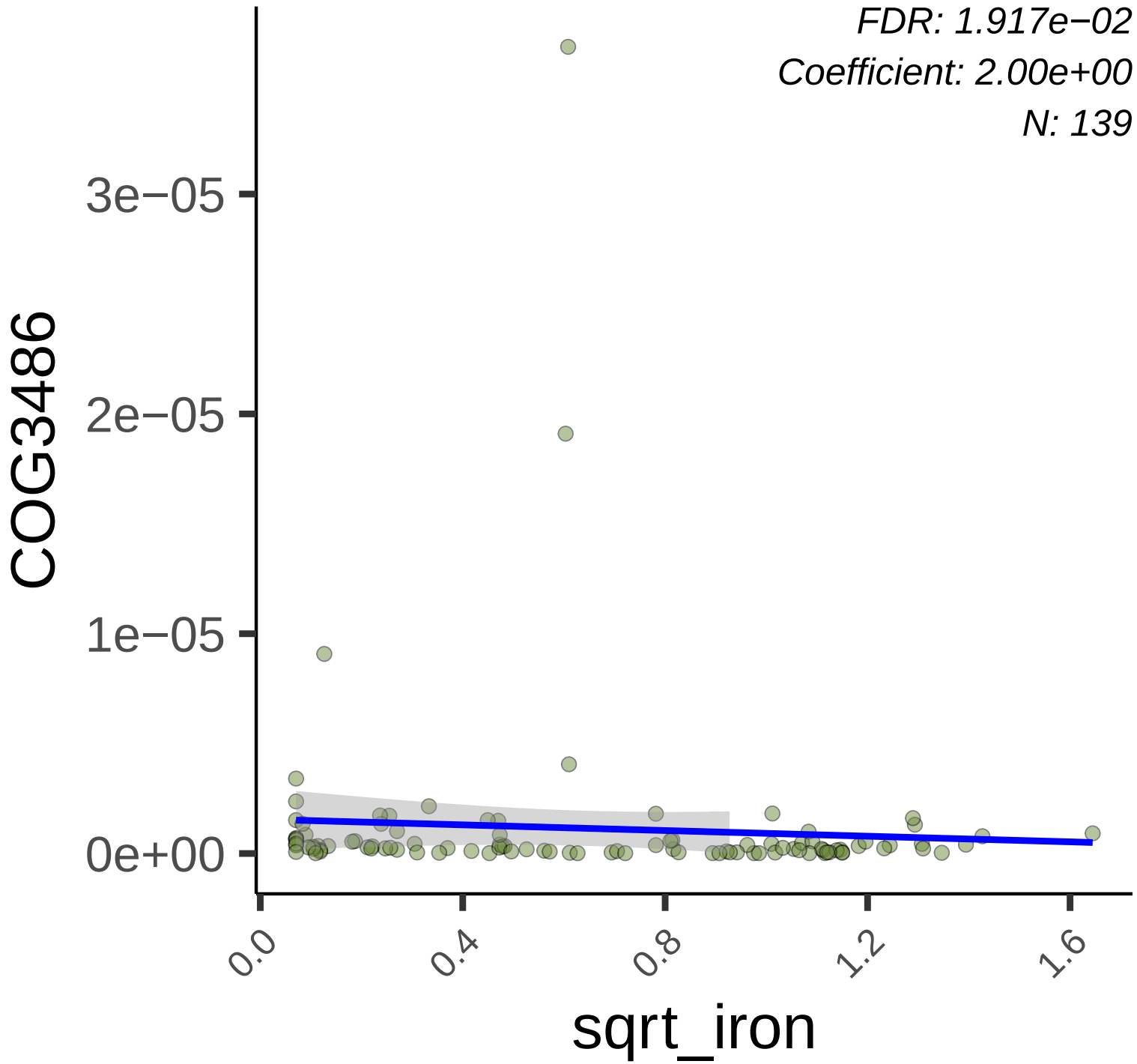
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.917e−02
Coefficient: 2.00e+00
N: 139
COG3486
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2e−05
1e−05
0e+00
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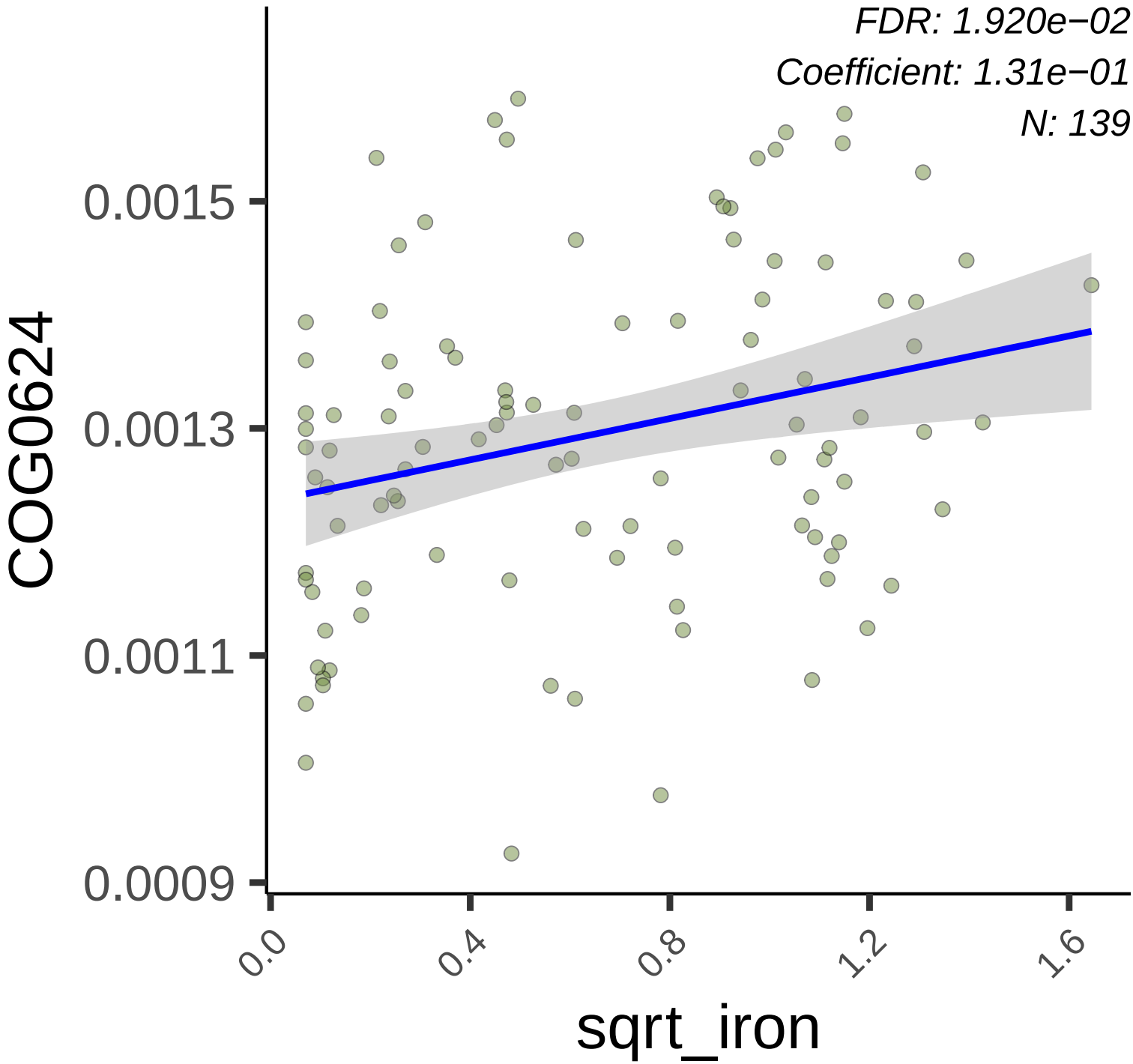
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.920e−02
Coefficient: 1.31e−01
N: 139
COG0624
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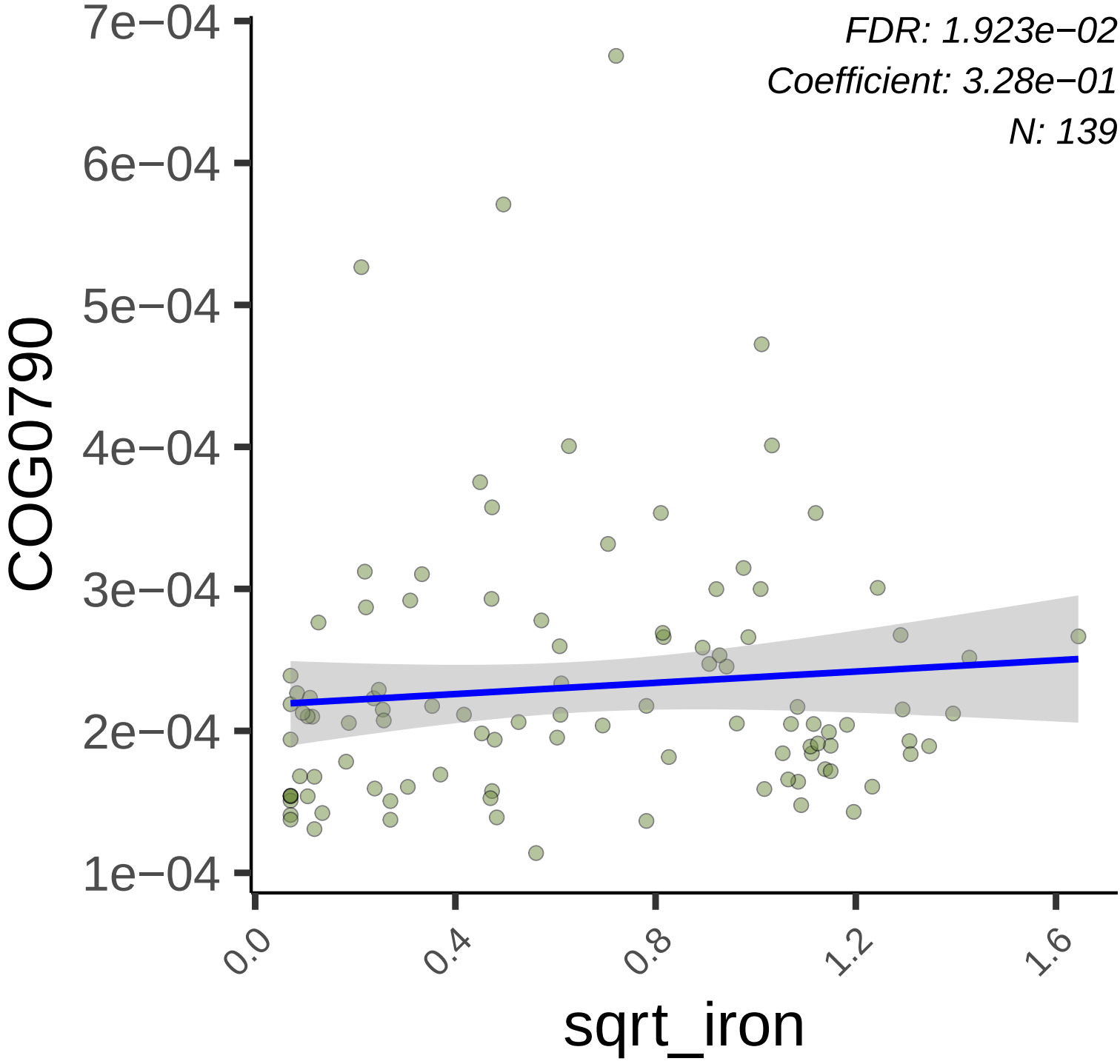
0.0013
0.0011
0.0009
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.923e−02
Coefficient: 3.28e−01
N: 139
COG0790
7e−04
6e−04
5e−04
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3e−04
2e−04
1e−04
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0.4
0.8
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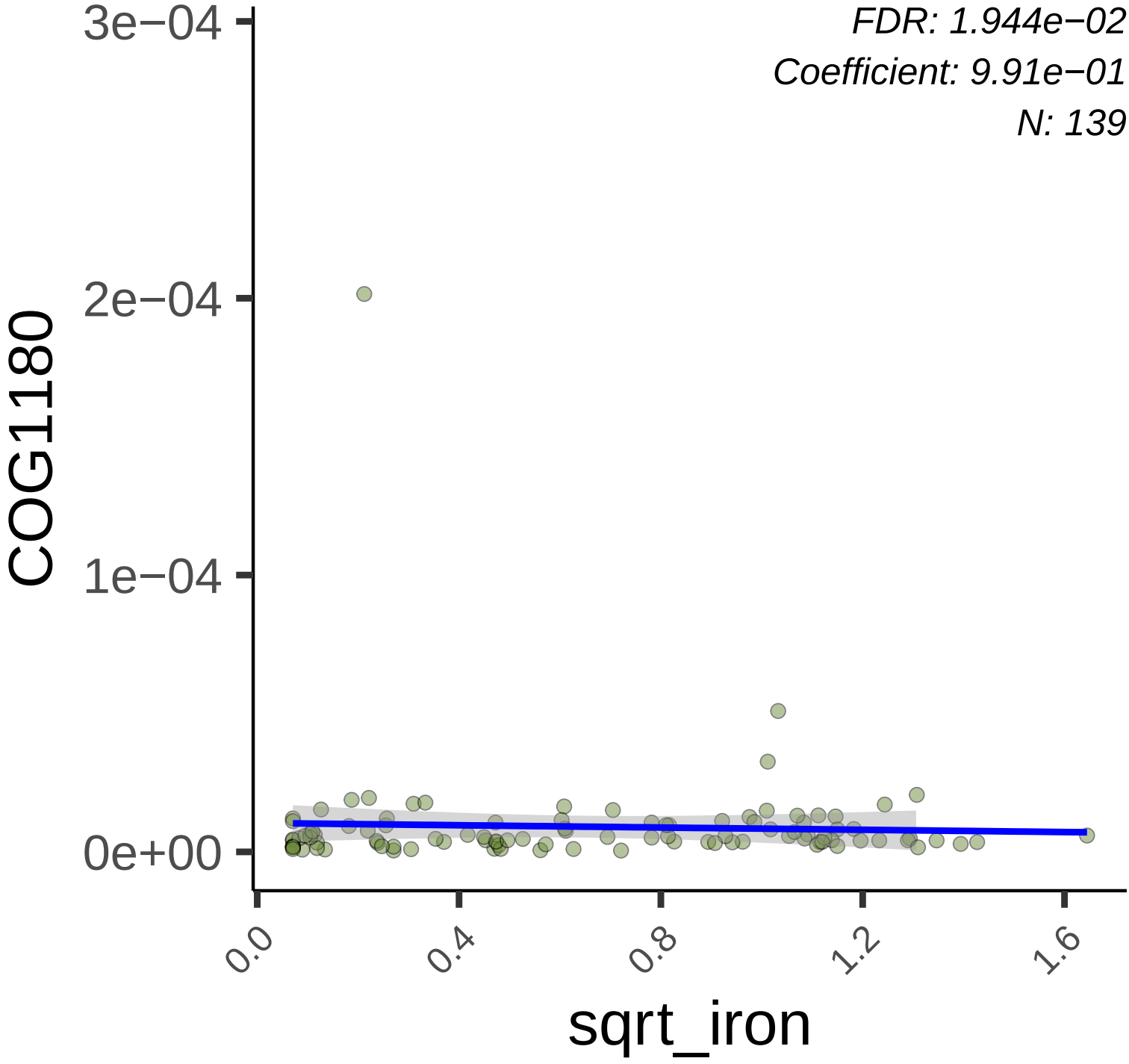
1.6
sqrt_iron


FDR: 1.944e−02
Coefficient: 9.91e−01
N: 139
COG1180
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1e−04
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0.4
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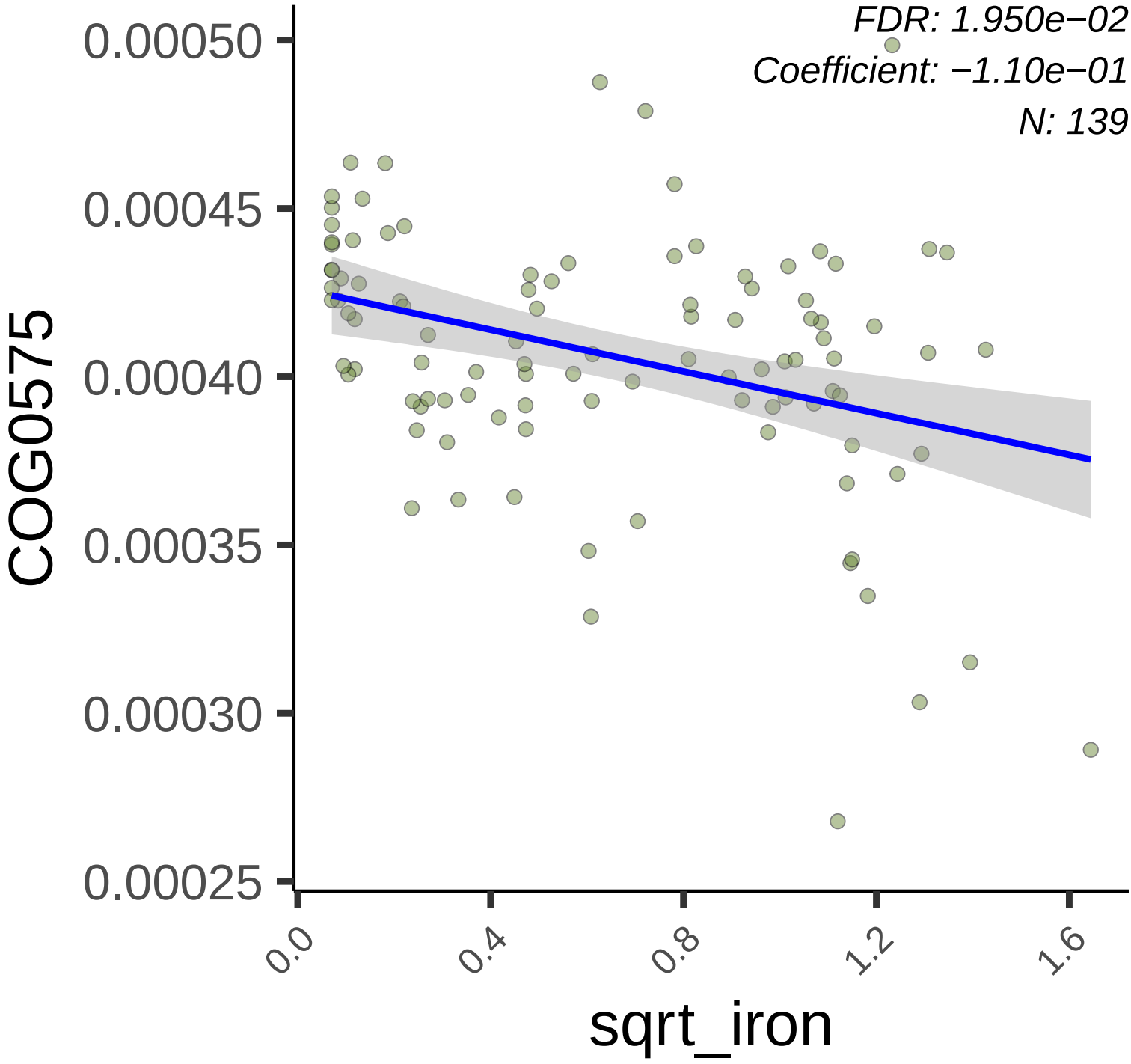
1.6
sqrt_iron


FDR: 1.950e−02
Coefficient: −1.10e−01
N: 139
0.00050
0.00045
0.00040
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0.00030
0.00025
COG0575
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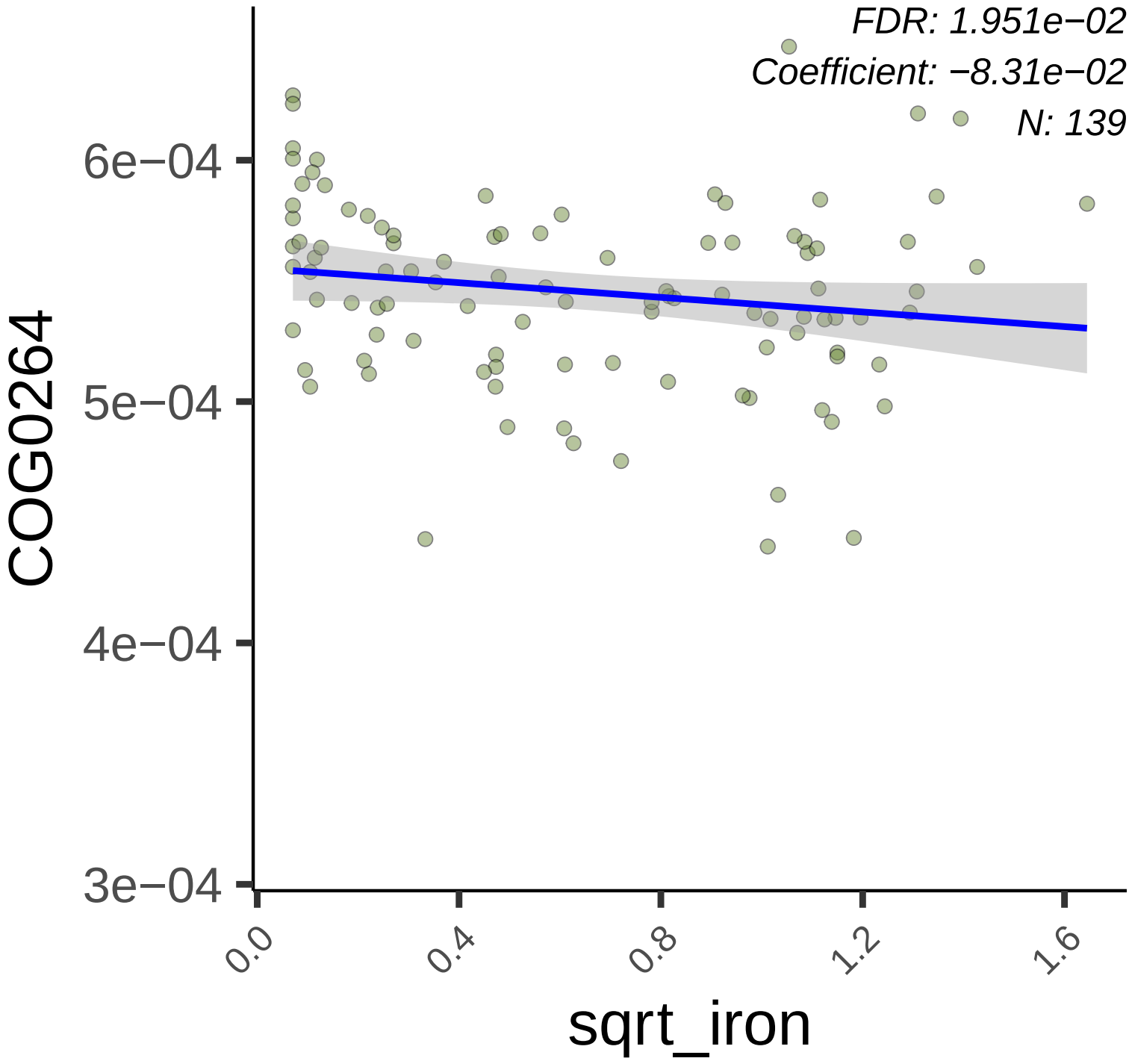
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.951e−02
Coefficient: −8.31e−02
N: 139
6e−04
5e−04
4e−04
3e−04
COG0264
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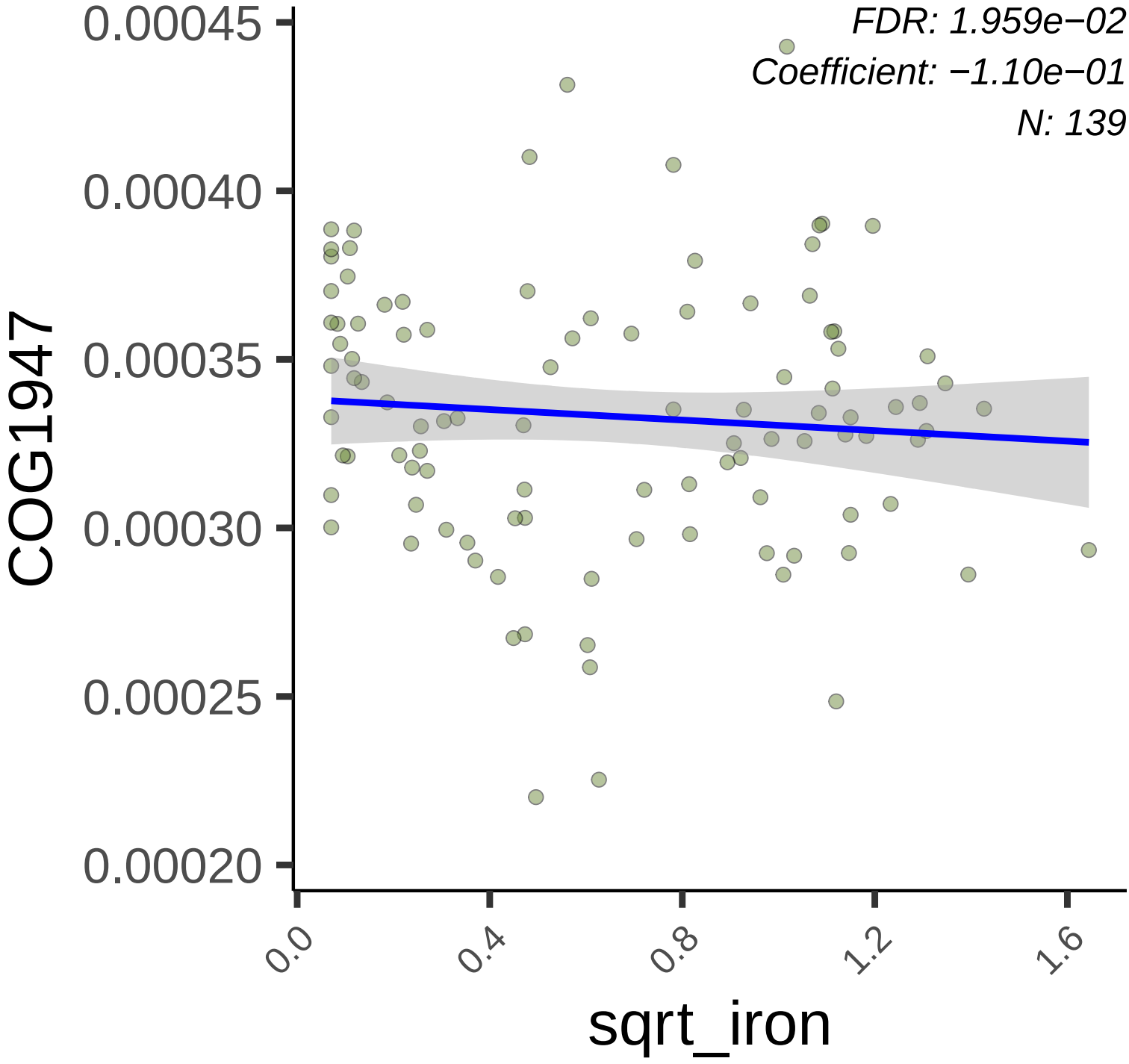
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.959e−02
Coefficient: −1.10e−01
N: 139
0.00045
0.00040
0.00035
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0.00025
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COG1947
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0.4
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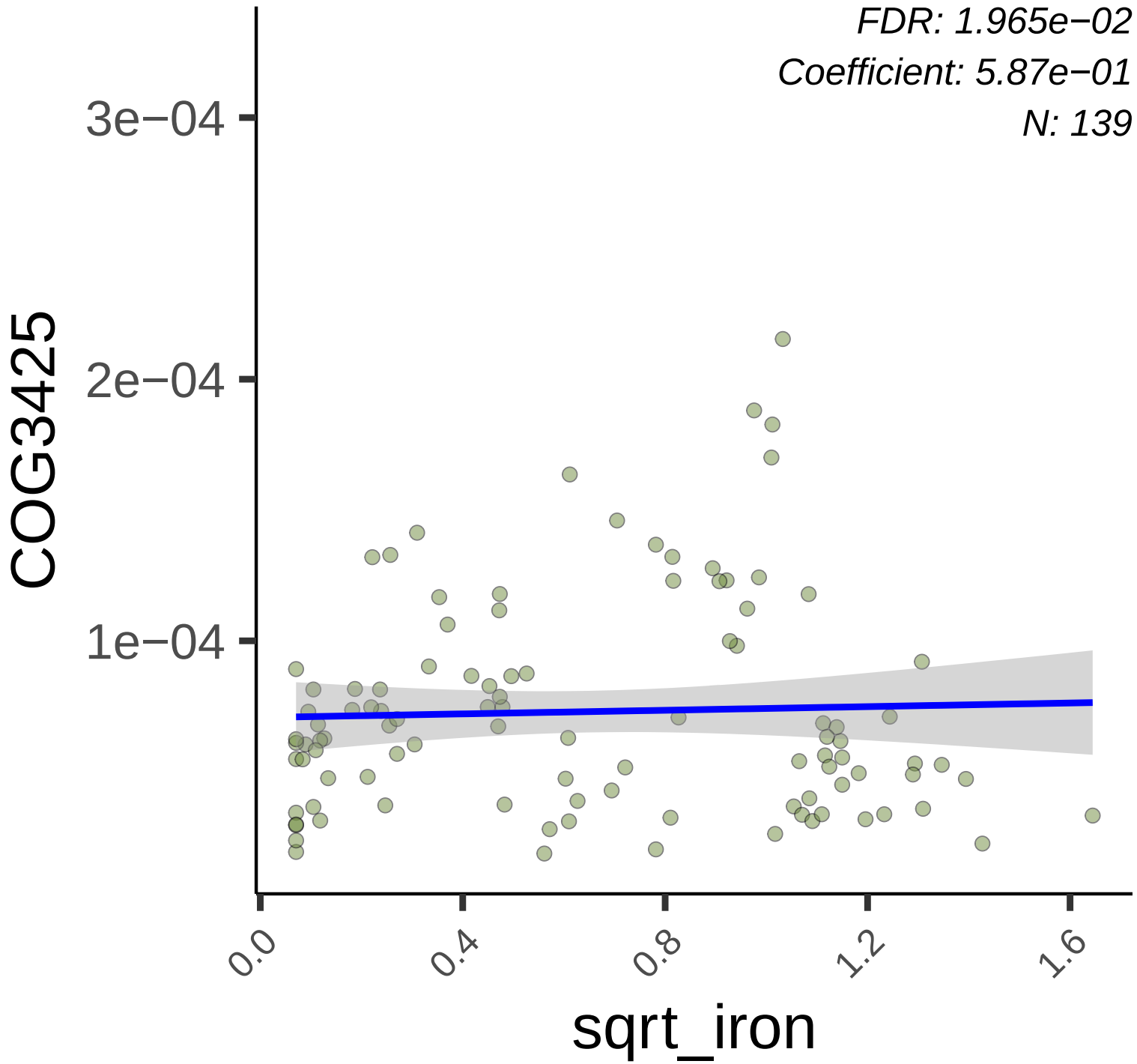
1.2
1.6
sqrt_iron


FDR: 1.965e−02
Coefficient: 5.87e−01
N: 139
3e−04
2e−04
1e−04
COG3425
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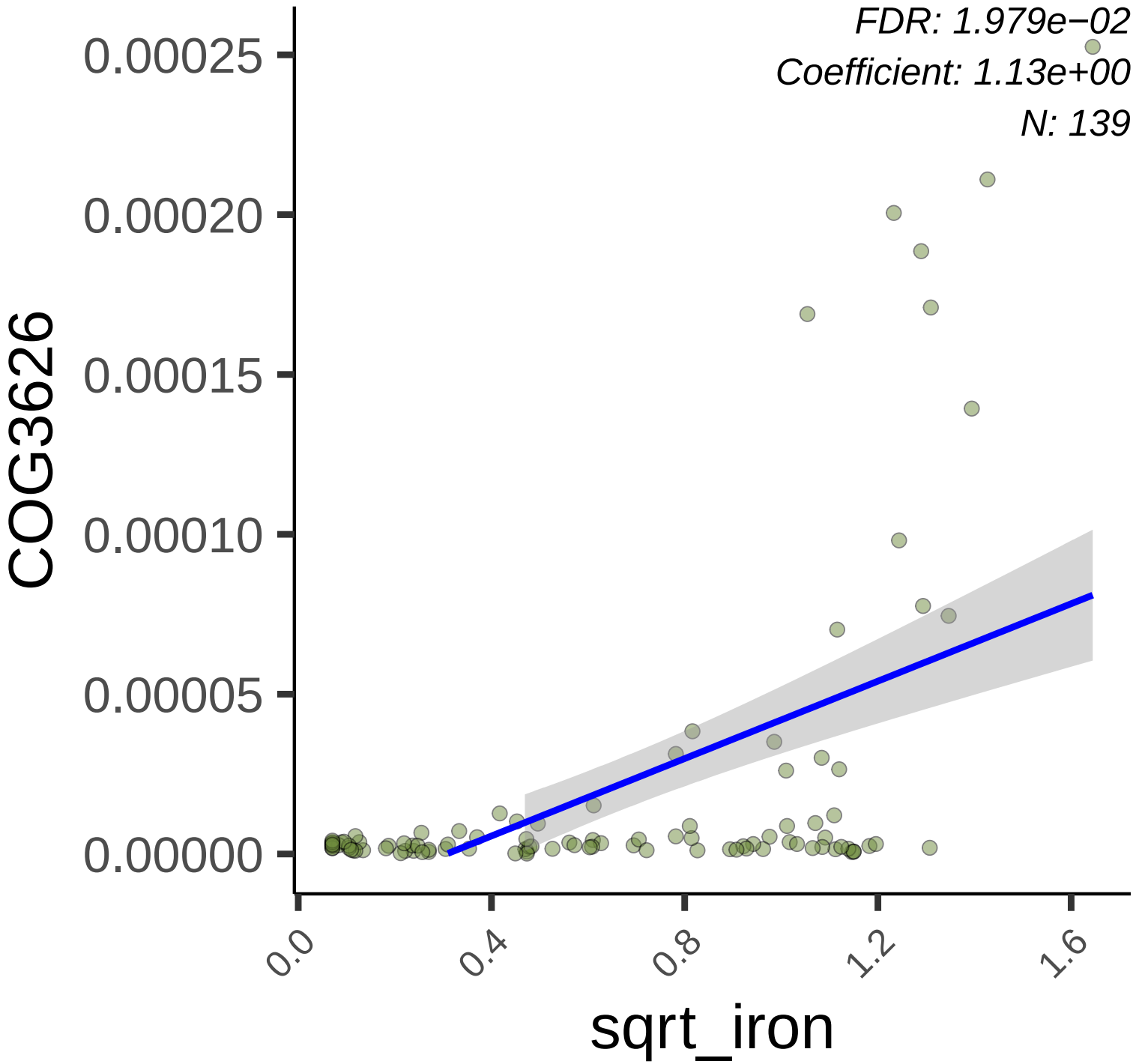
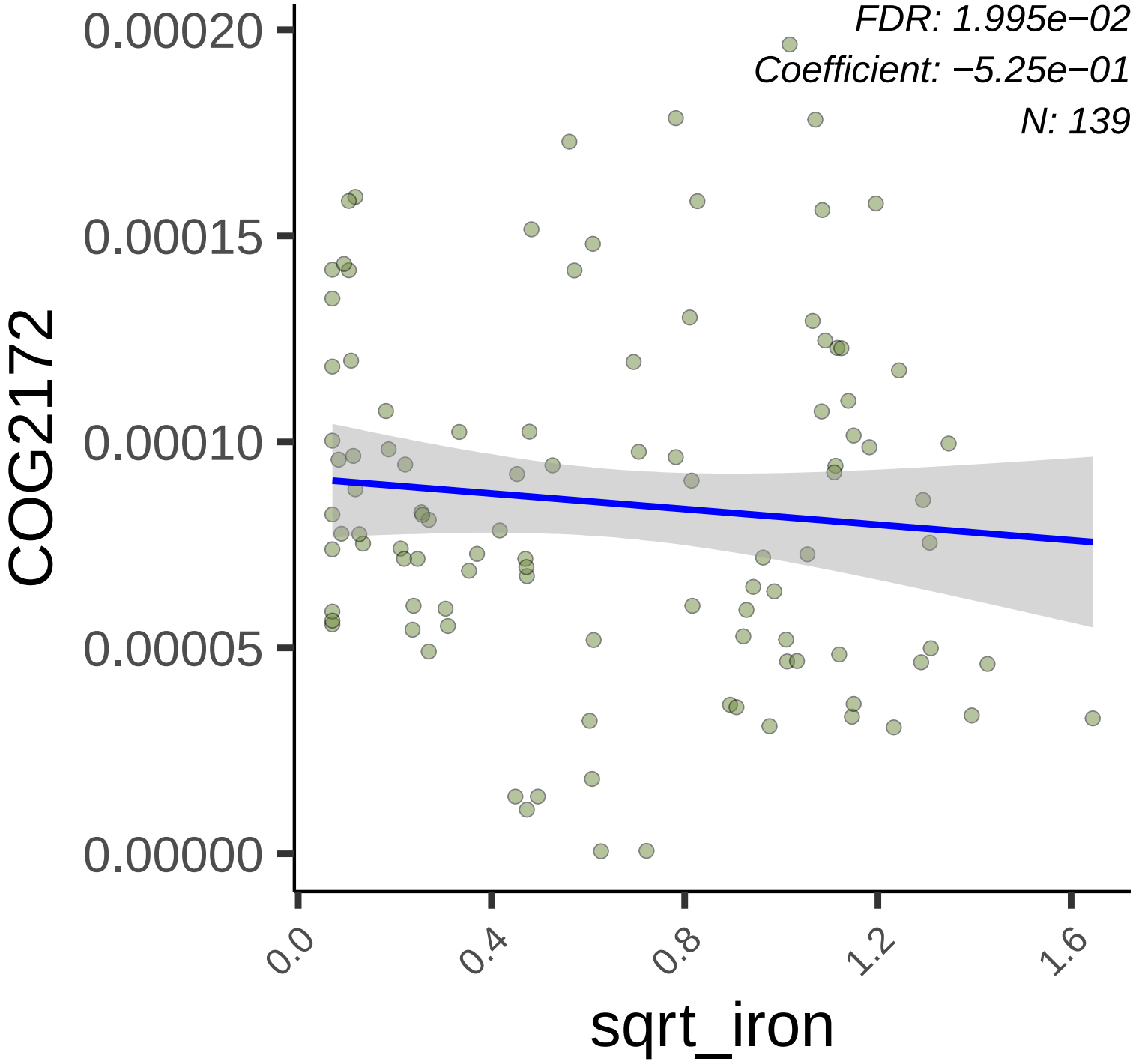
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.979e−02
Coefficient: 1.13e+00
N: 139
COG3626
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.995e−02
Coefficient: −5.25e−01
N: 139
0.00020
0.00015
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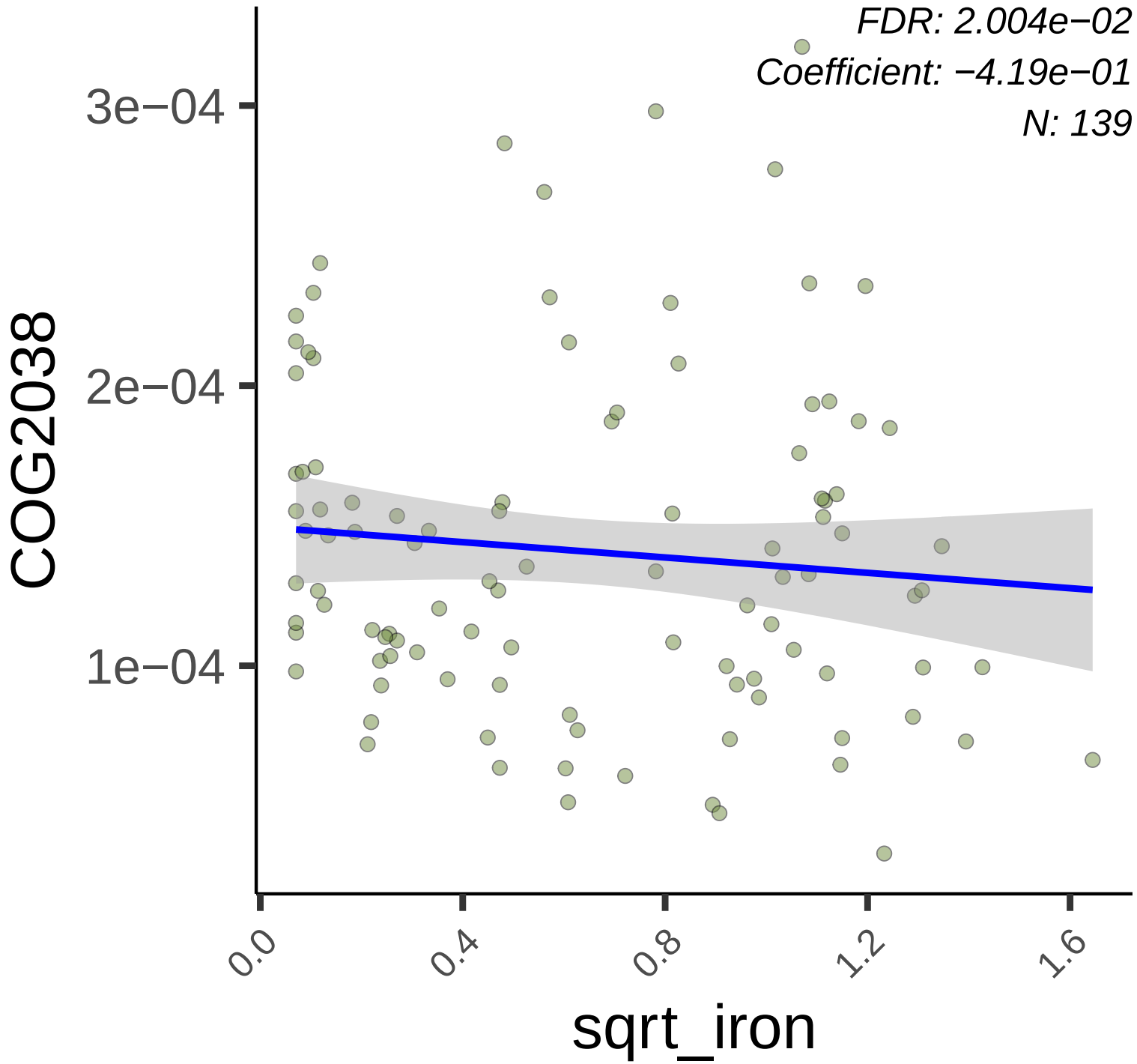
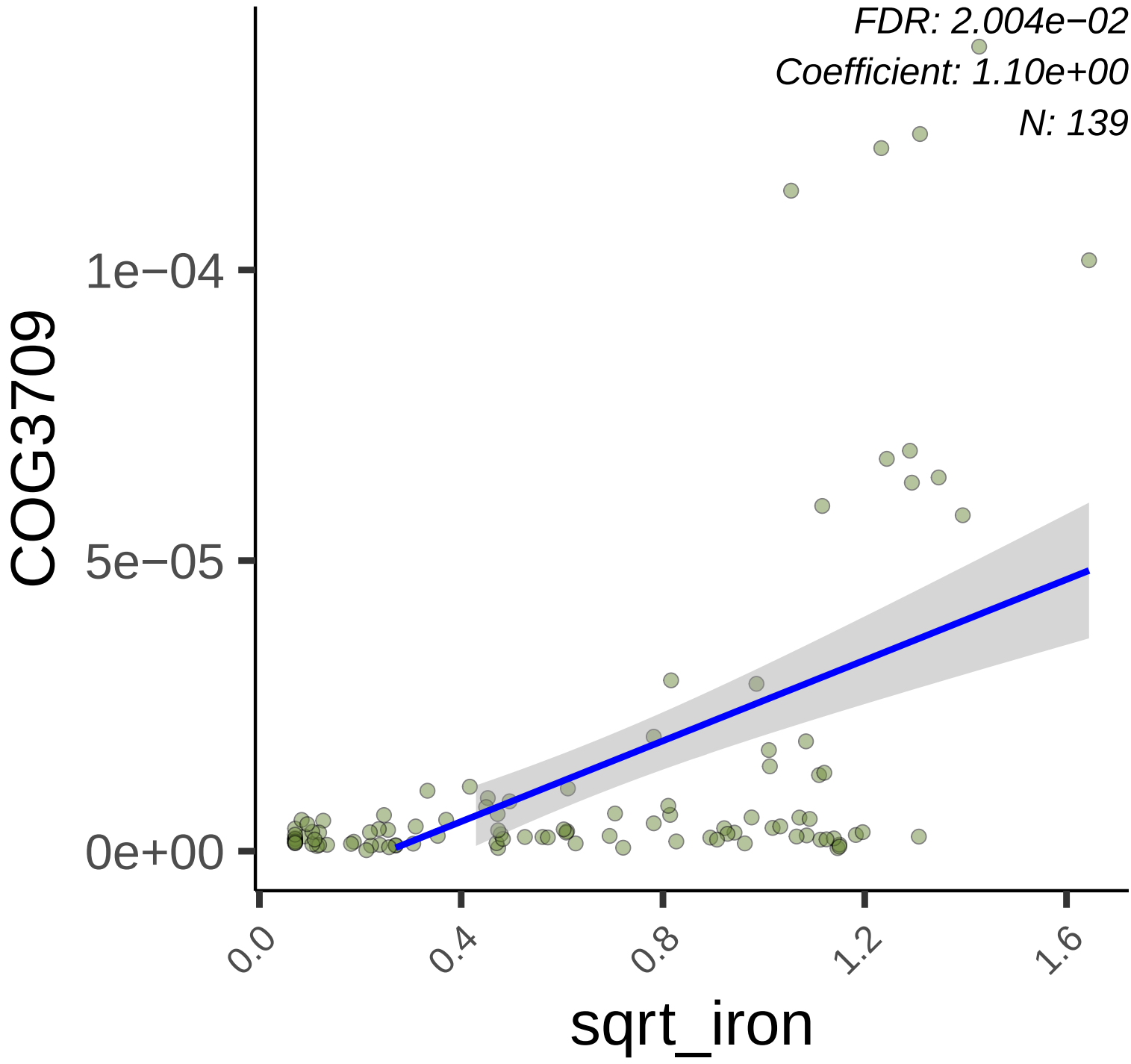
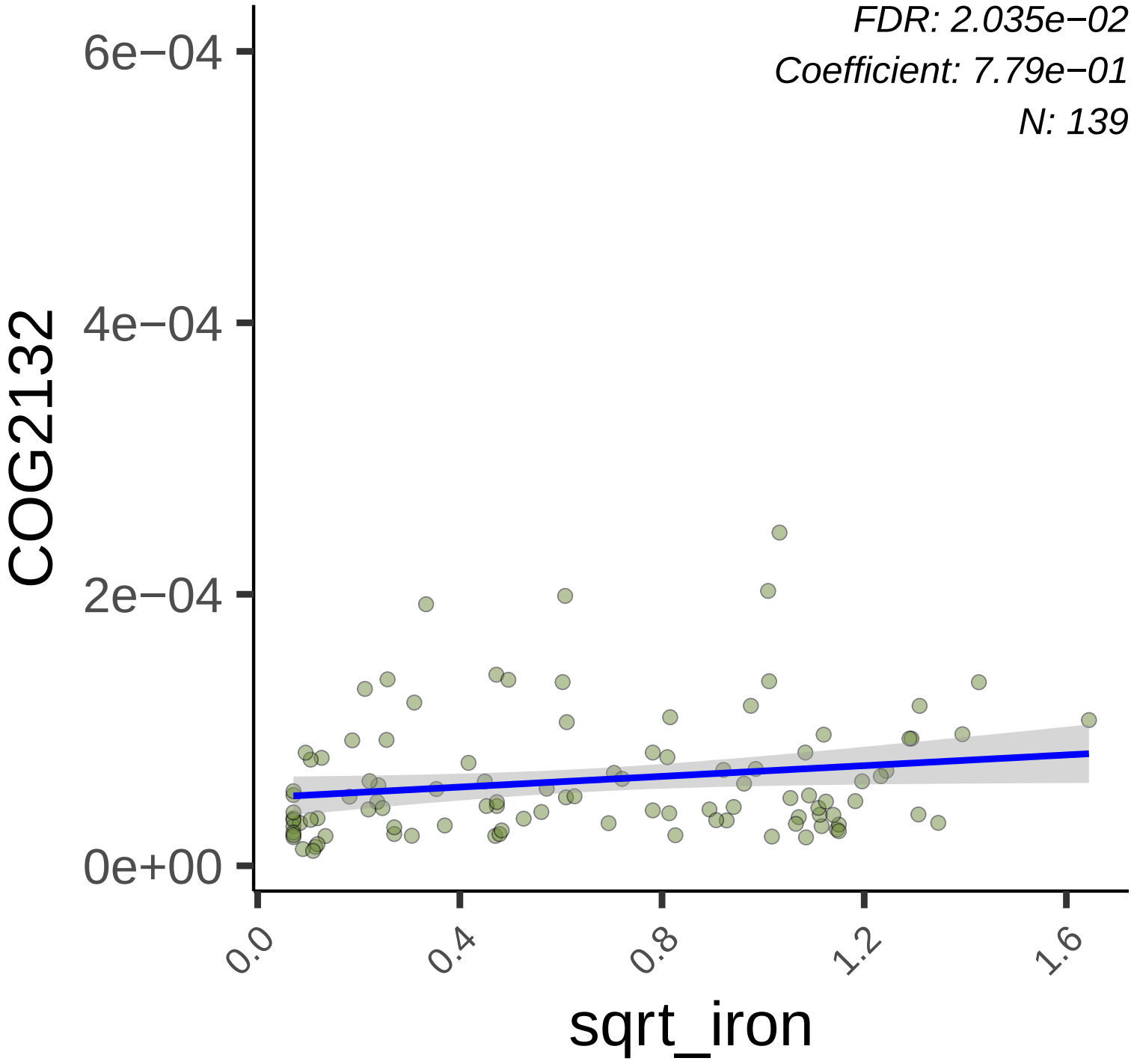
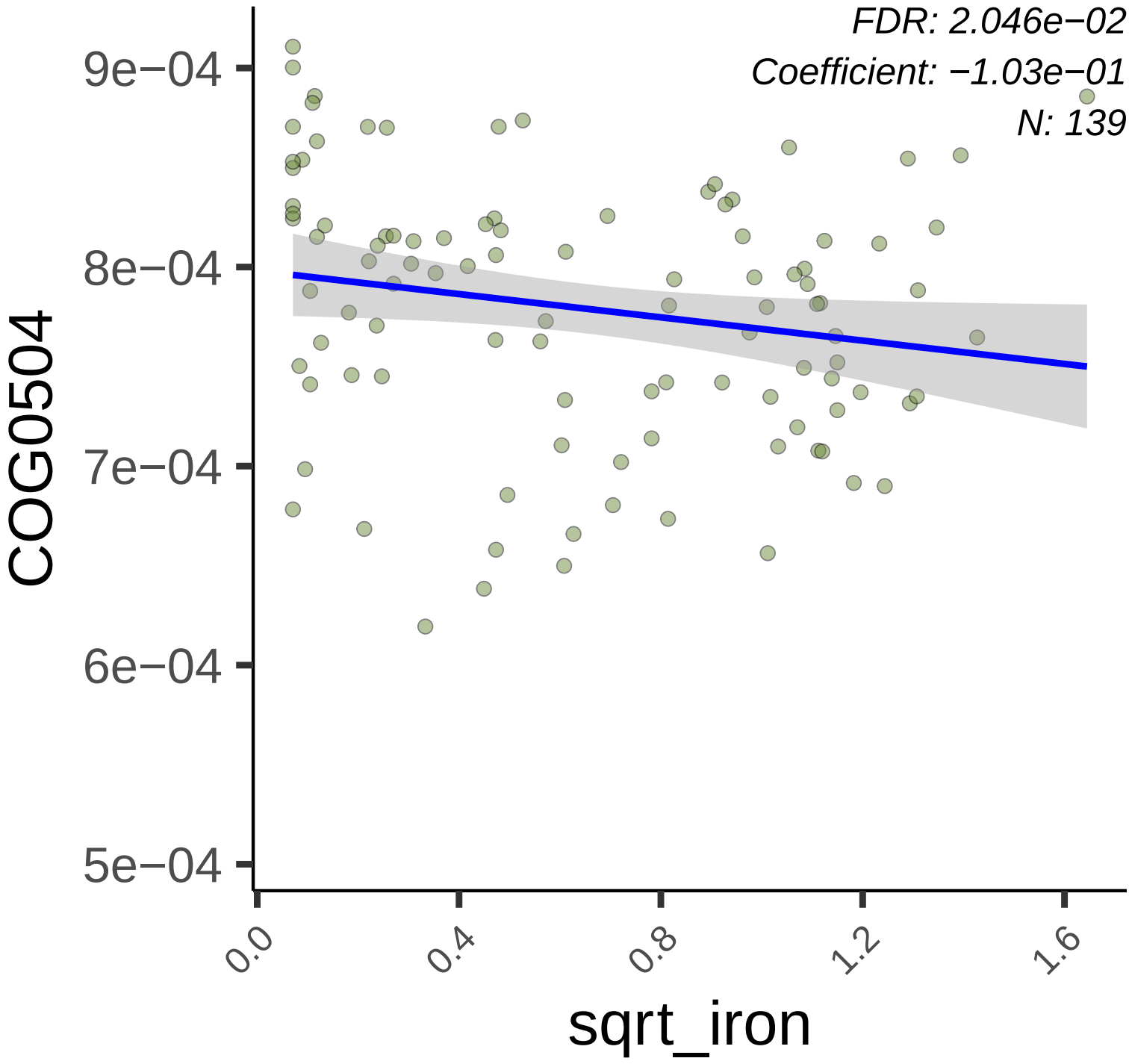
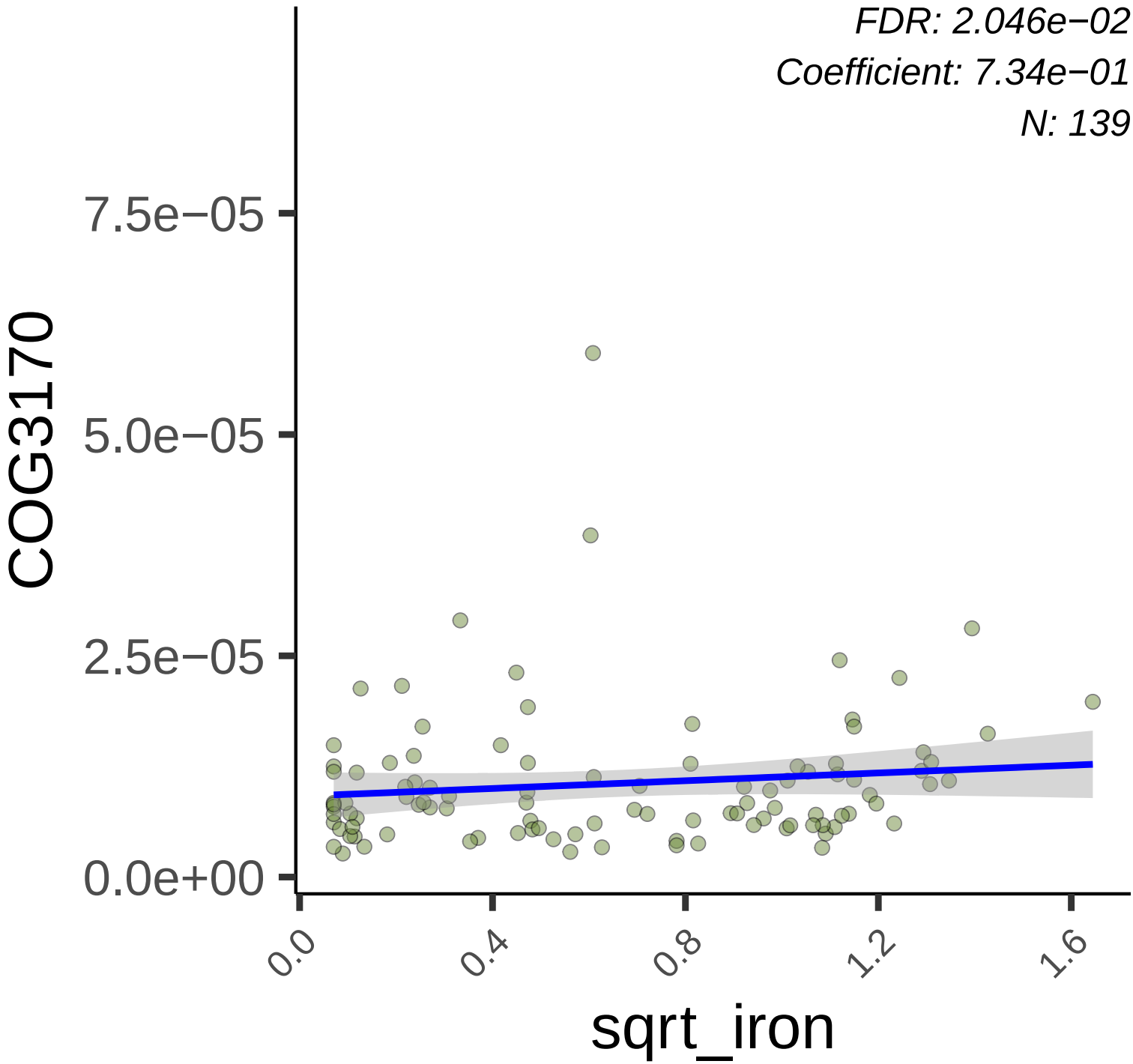
0.00005
0.00000
COG2172
0.0
0.4
0.8
1.2
1.6
sqrt_iron

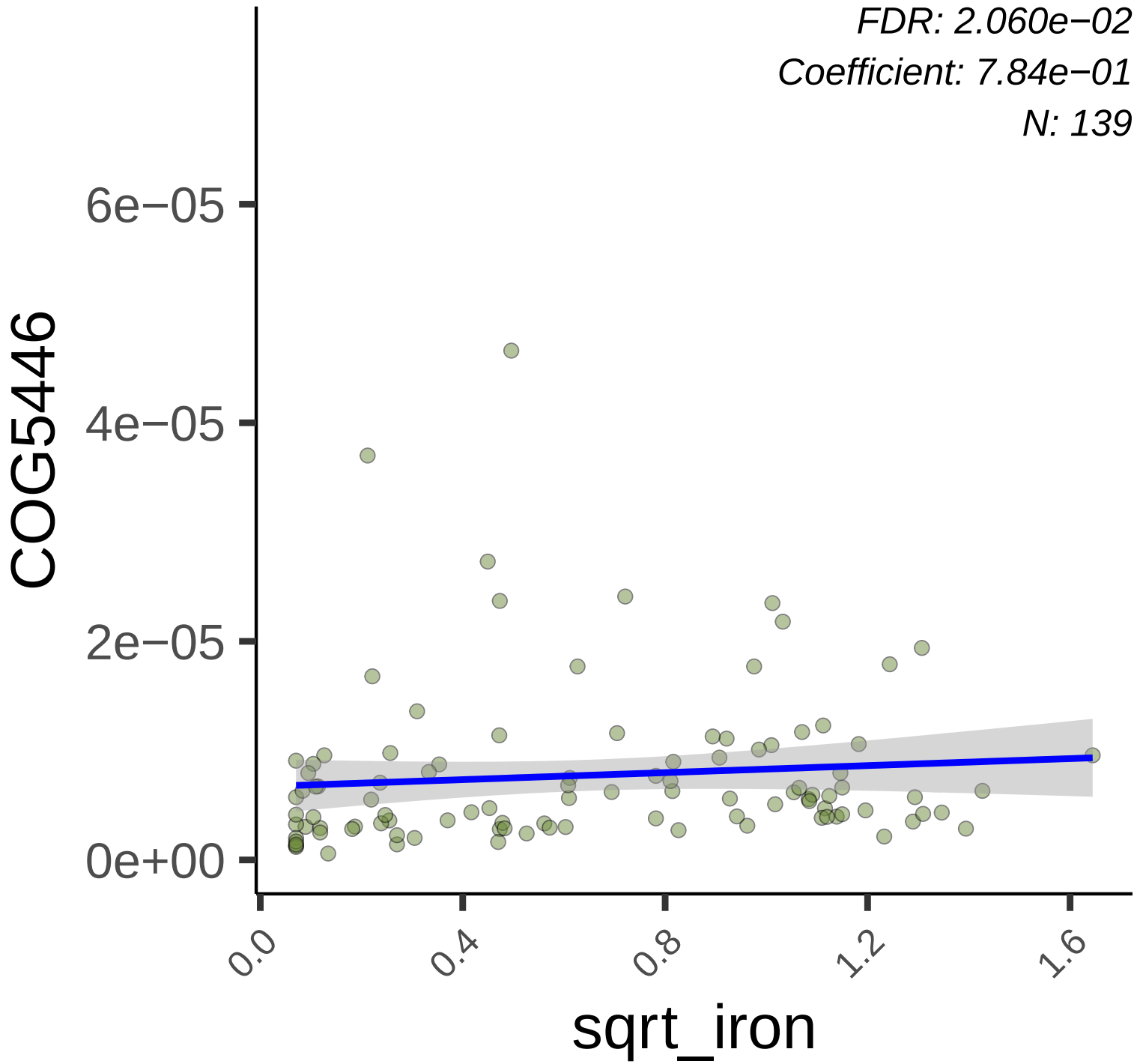

FDR: 2.004e−02
Coefficient: −4.19e−01
N: 139
COG2038
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.004e−02
Coefficient: 1.10e+00
N: 139
COG3709
1e−04
5e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.035e−02
Coefficient: 7.79e−01
N: 139
COG2132
6e−04
4e−04
2e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.046e−02
Coefficient: −1.03e−01
N: 139
9e−04
8e−04
7e−04
6e−04
5e−04
COG0504
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.046e−02
Coefficient: 7.34e−01
N: 139
COG3170
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.060e−02
Coefficient: 7.84e−01
N: 139
COG5446
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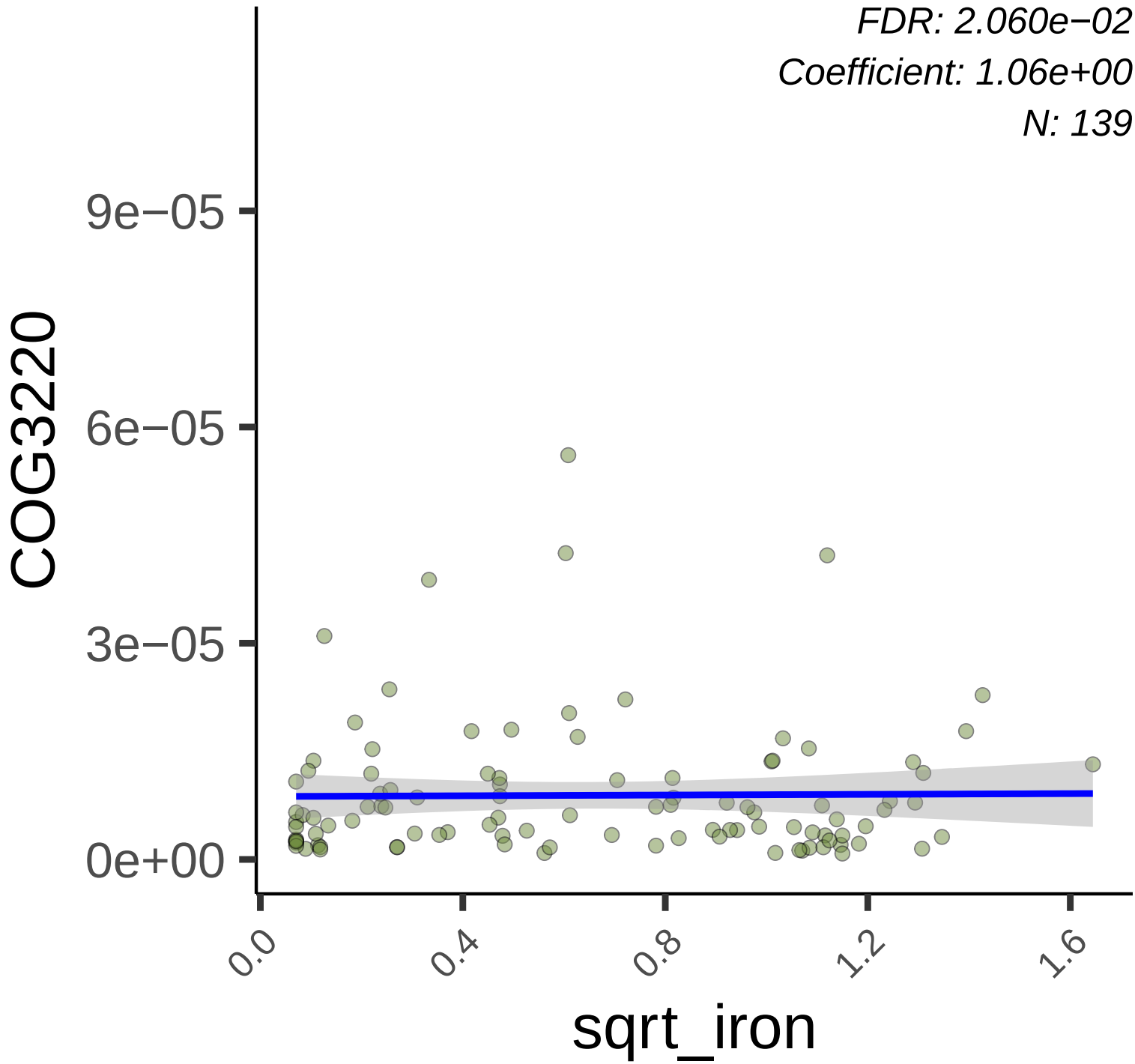
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.060e−02
Coefficient: 1.06e+00
N: 139
COG3220
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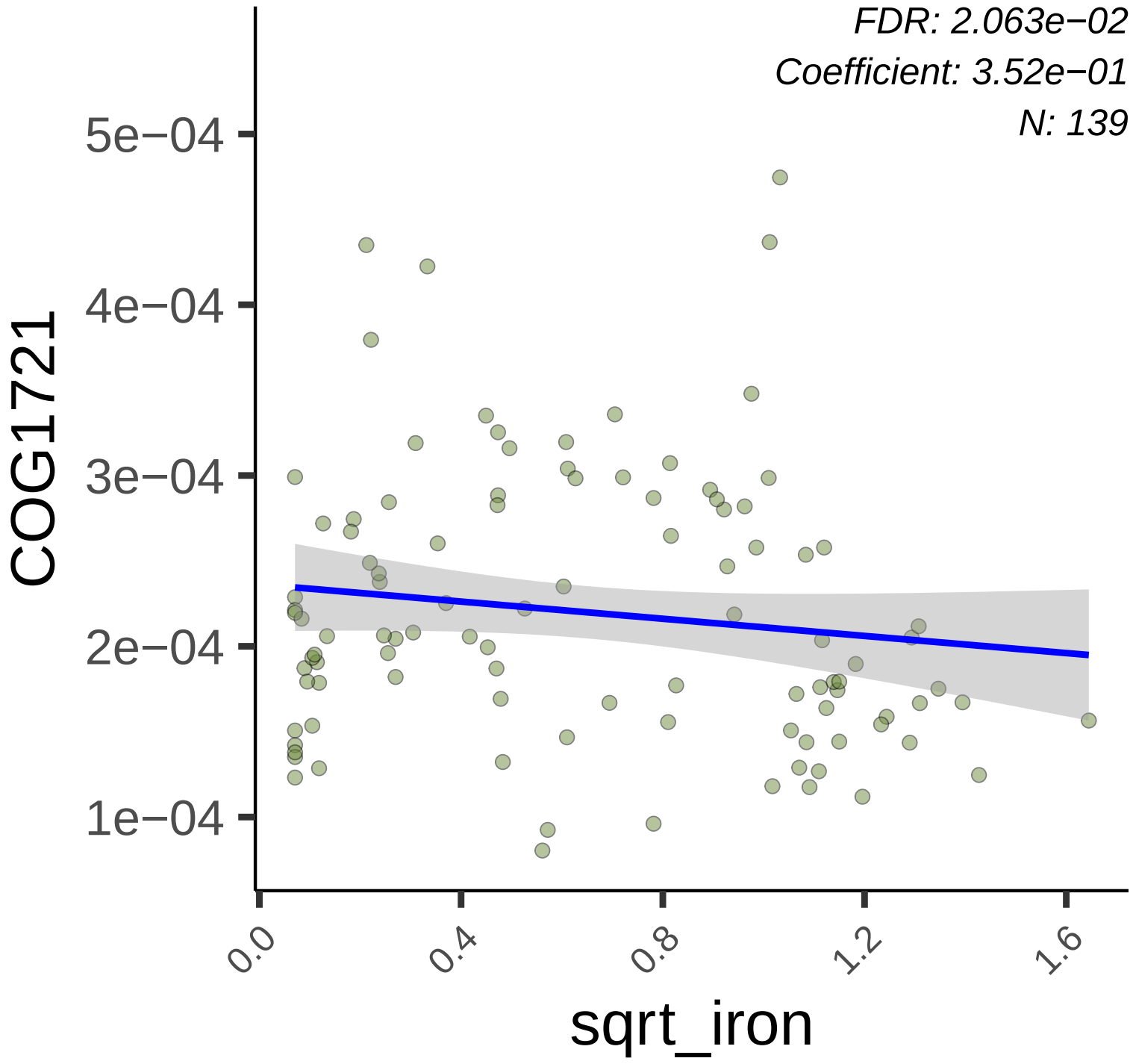
6e−05
3e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.063e−02
Coefficient: 3.52e−01
N: 139
COG1721
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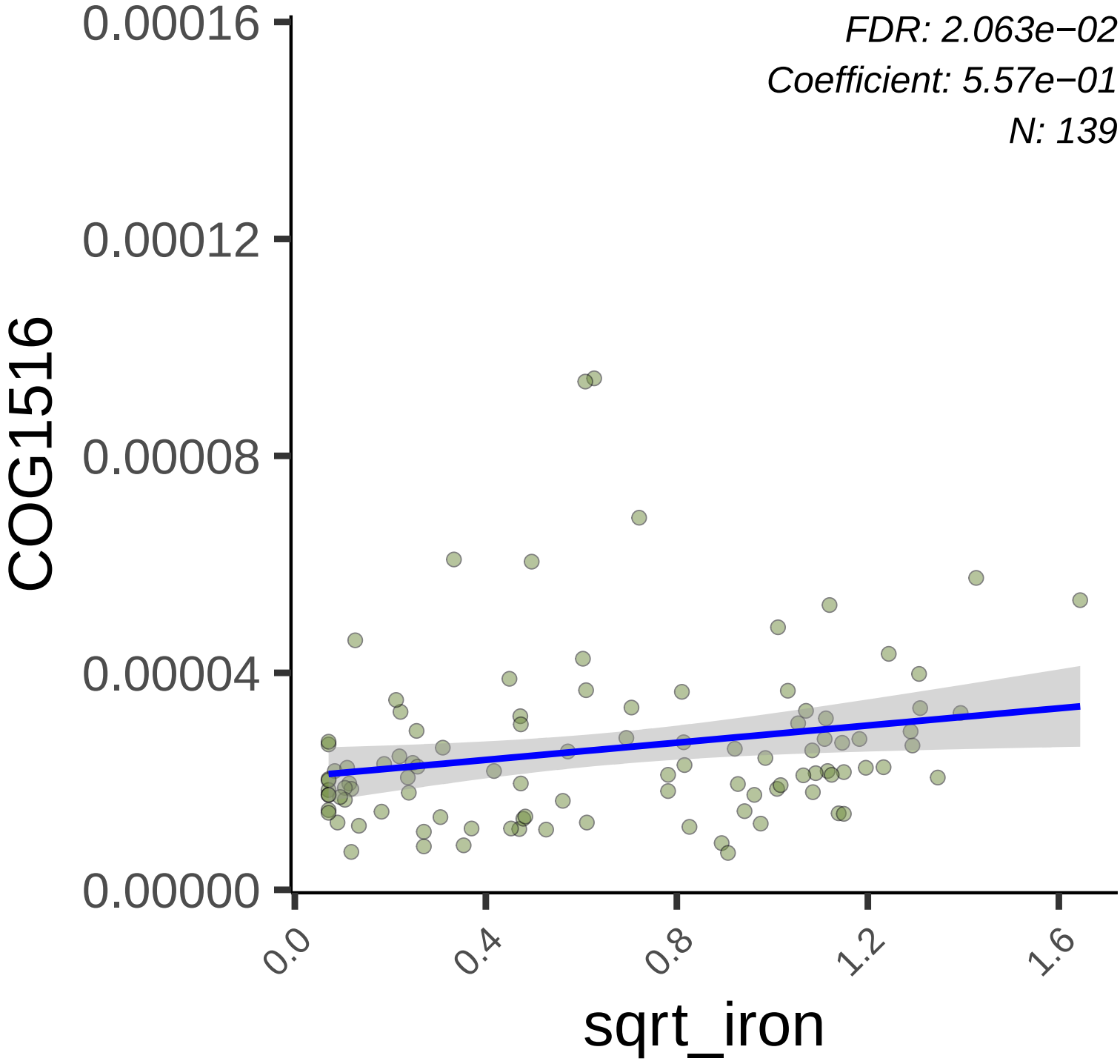
4e−04
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.063e−02
Coefficient: 5.57e−01
N: 139
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0.00004
0.00000
COG1516
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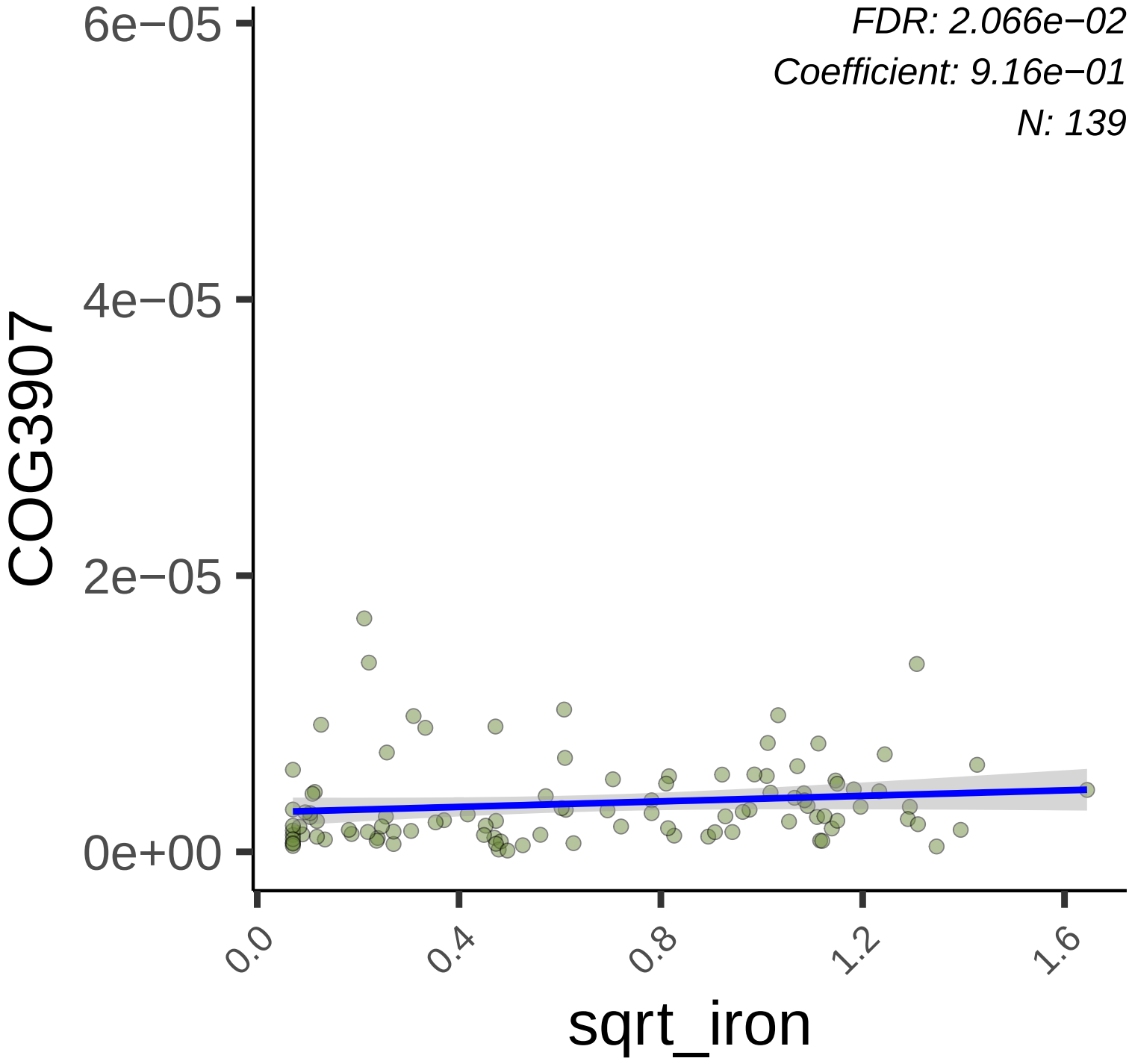
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.066e−02
Coefficient: 9.16e−01
N: 139
COG3907
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4e−05
2e−05
0e+00
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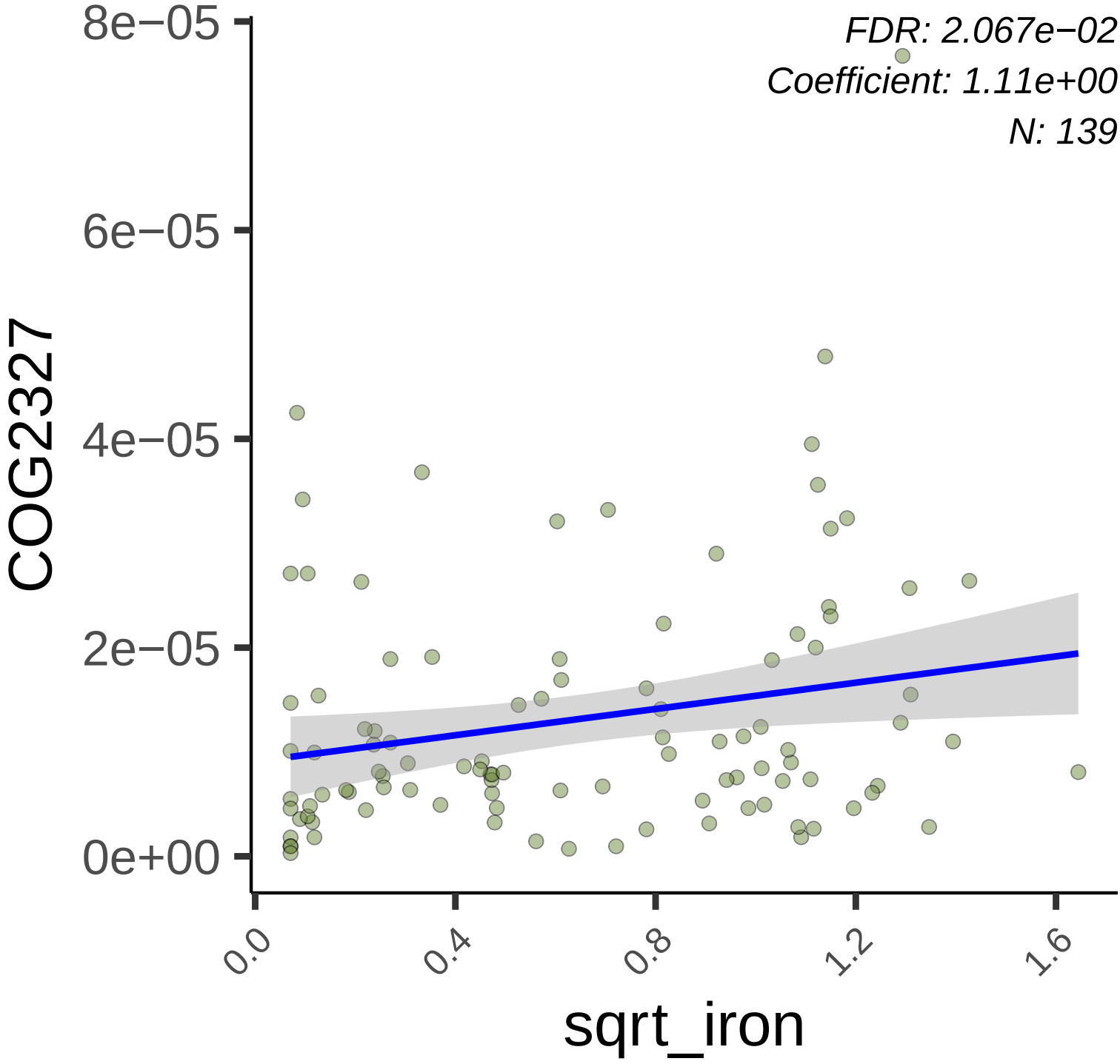
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.067e−02
Coefficient: 1.11e+00
N: 139
COG2327
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4e−05
2e−05
0e+00
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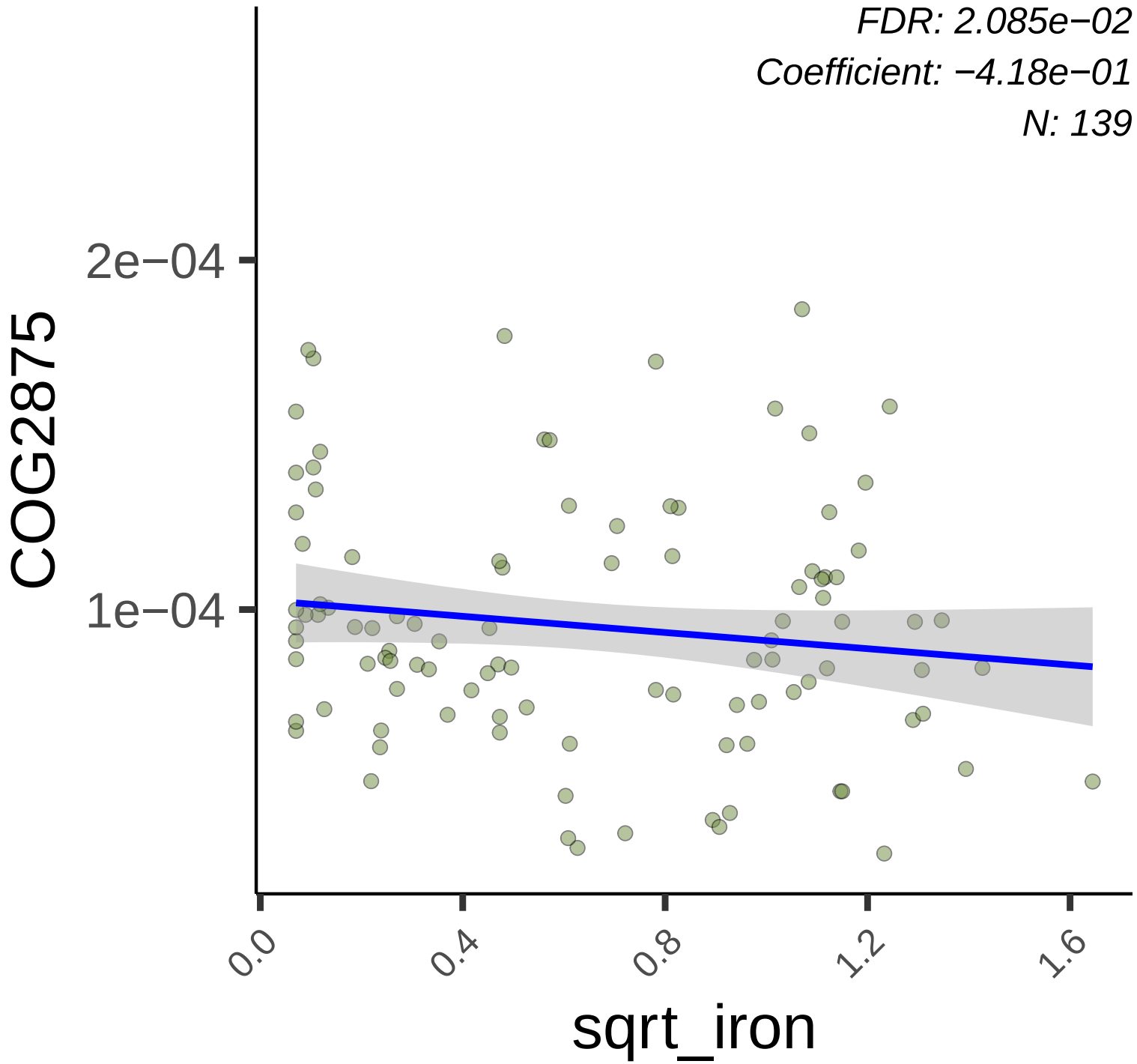
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.085e−02
Coefficient: −4.18e−01
N: 139
2e−04
1e−04
COG2875
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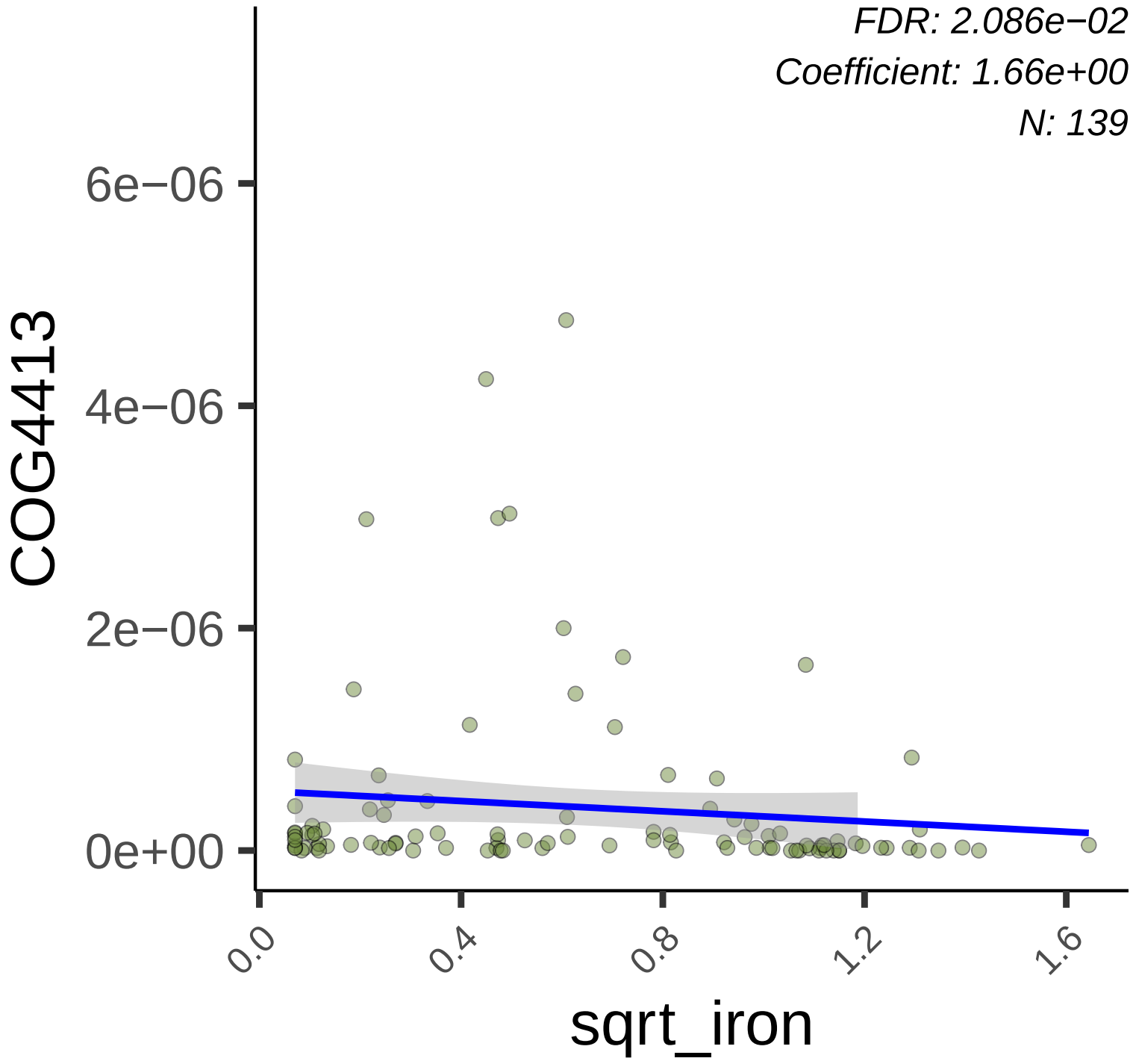
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.086e−02
Coefficient: 1.66e+00
N: 139
COG4413
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4e−06
2e−06
0e+00
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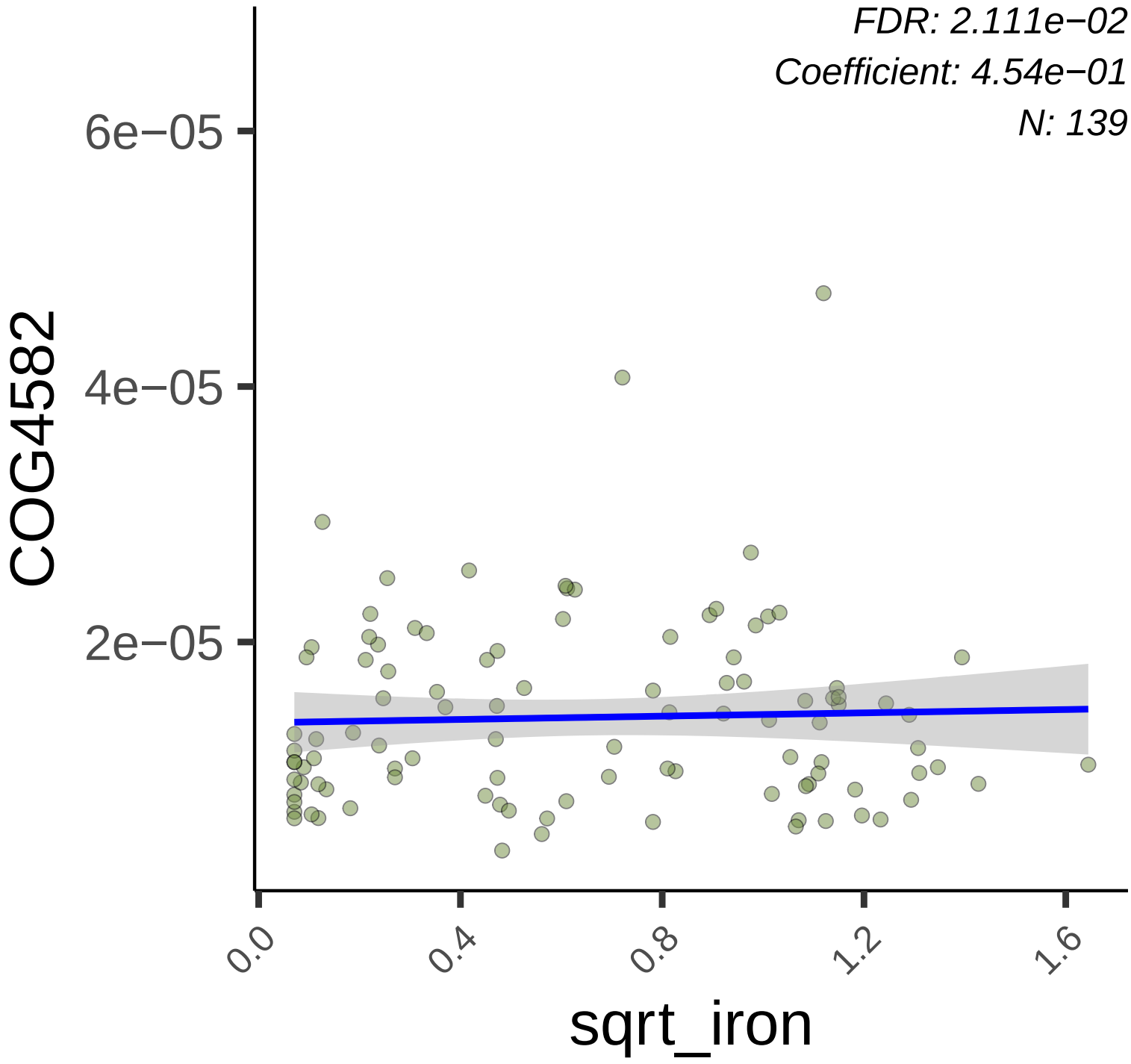
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.111e−02
Coefficient: 4.54e−01
N: 139
COG4582
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4e−05
2e−05
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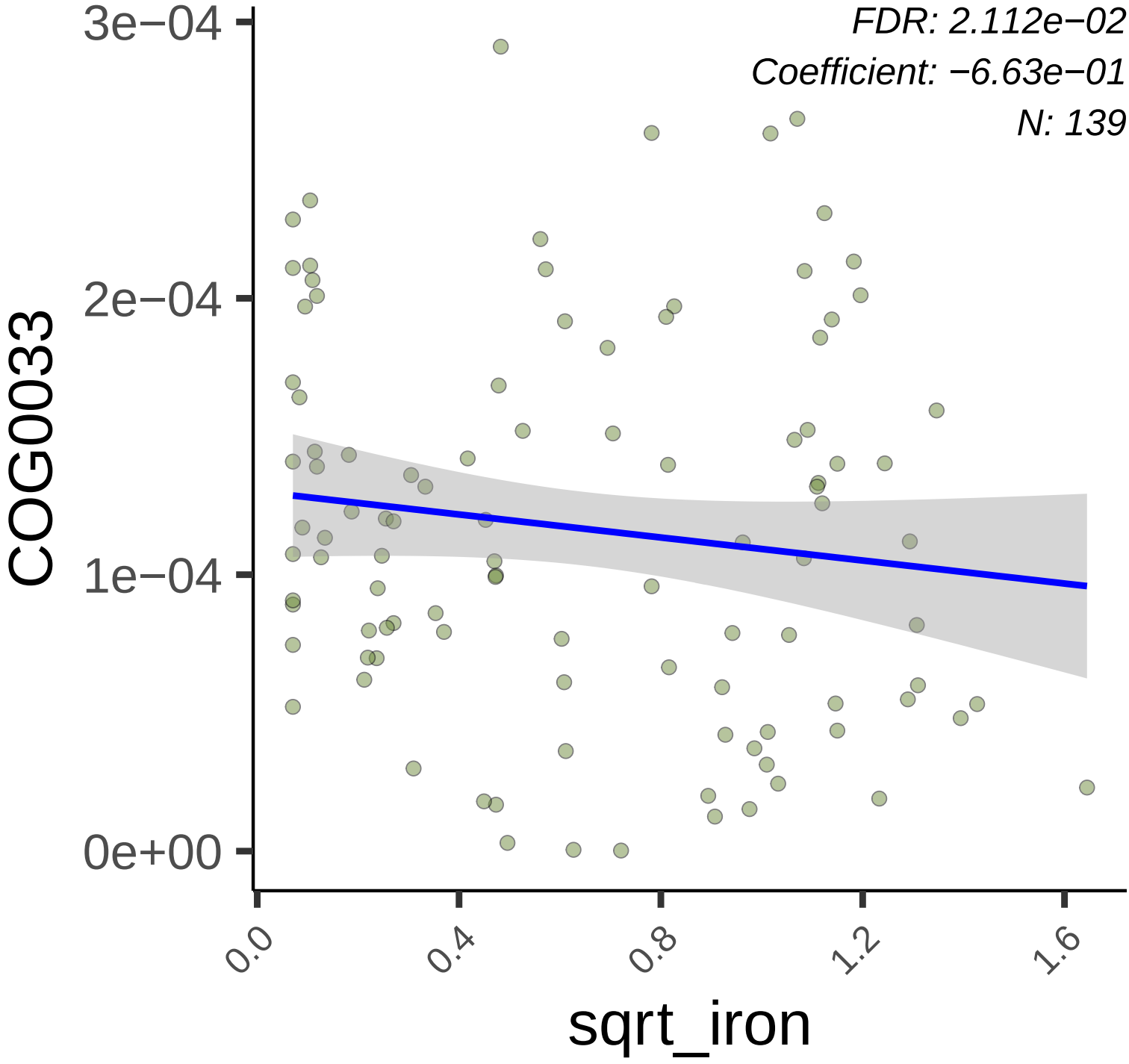
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.112e−02
Coefficient: −6.63e−01
N: 139
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2e−04
1e−04
0e+00
COG0033
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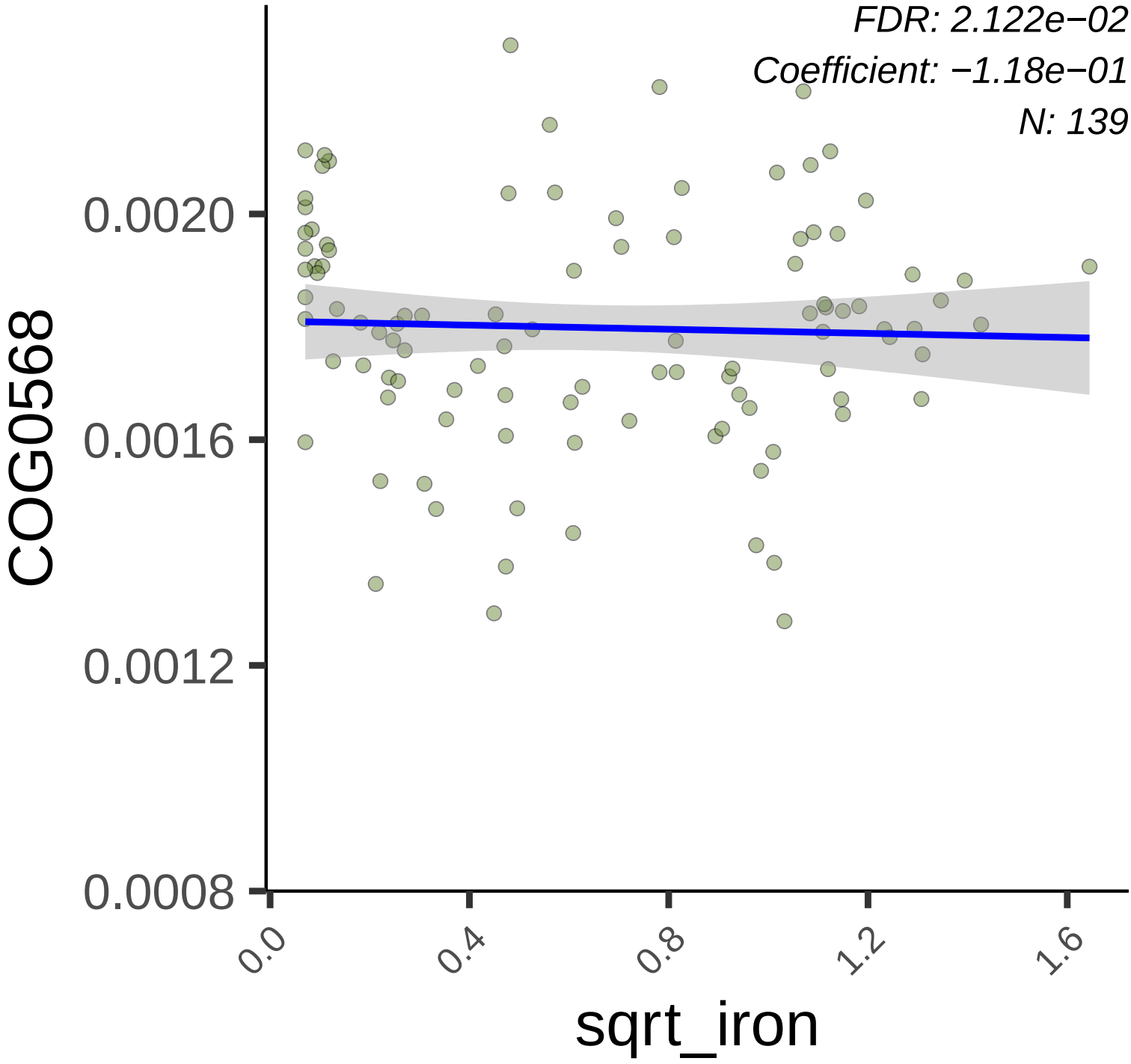
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.122e−02
Coefficient: −1.18e−01
N: 139
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0.0016
0.0012
0.0008
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0.4
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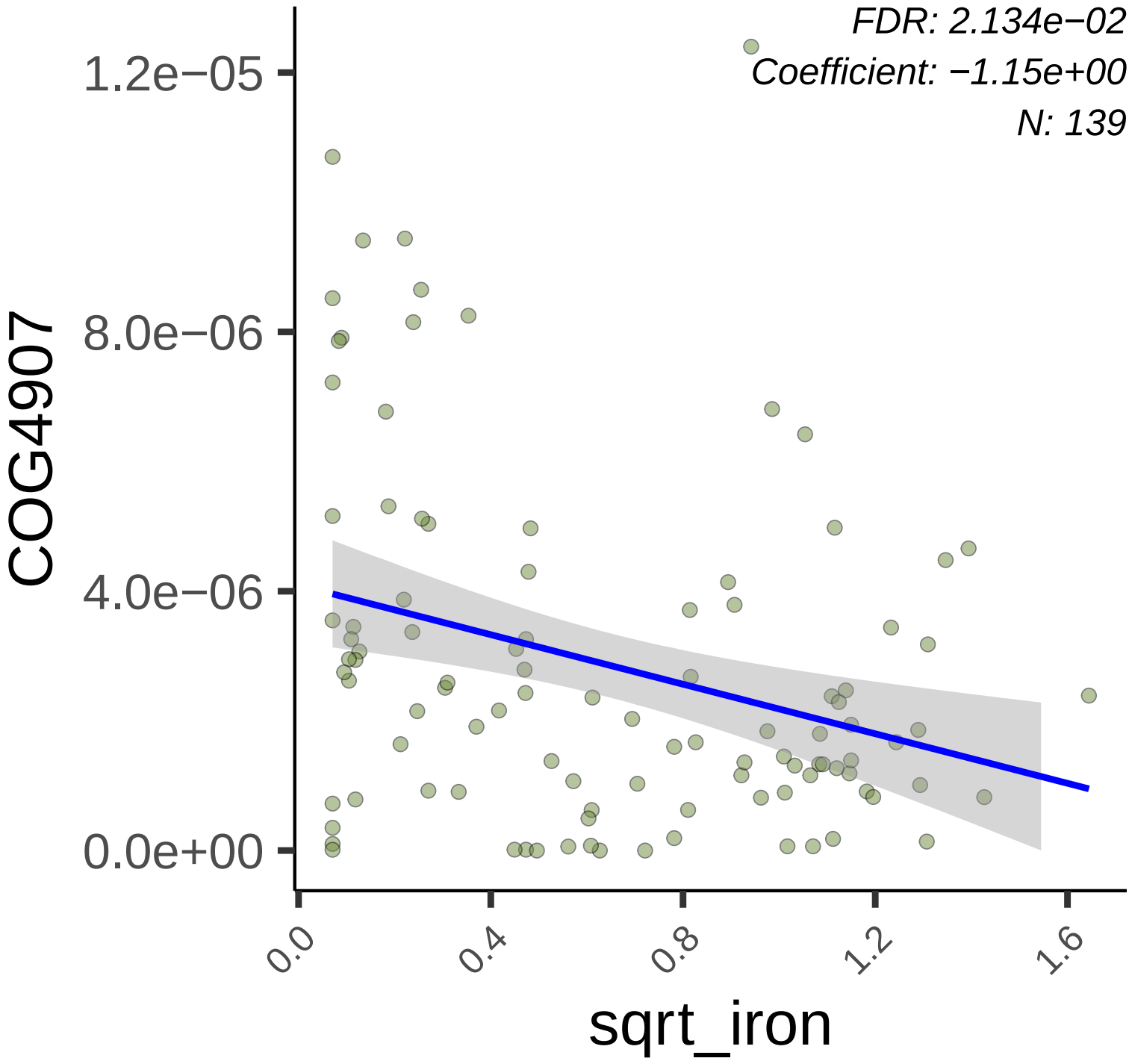
1.2
1.6
sqrt_iron


FDR: 2.134e−02
Coefficient: −1.15e+00
N: 139
COG4907
1.2e−05
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4.0e−06
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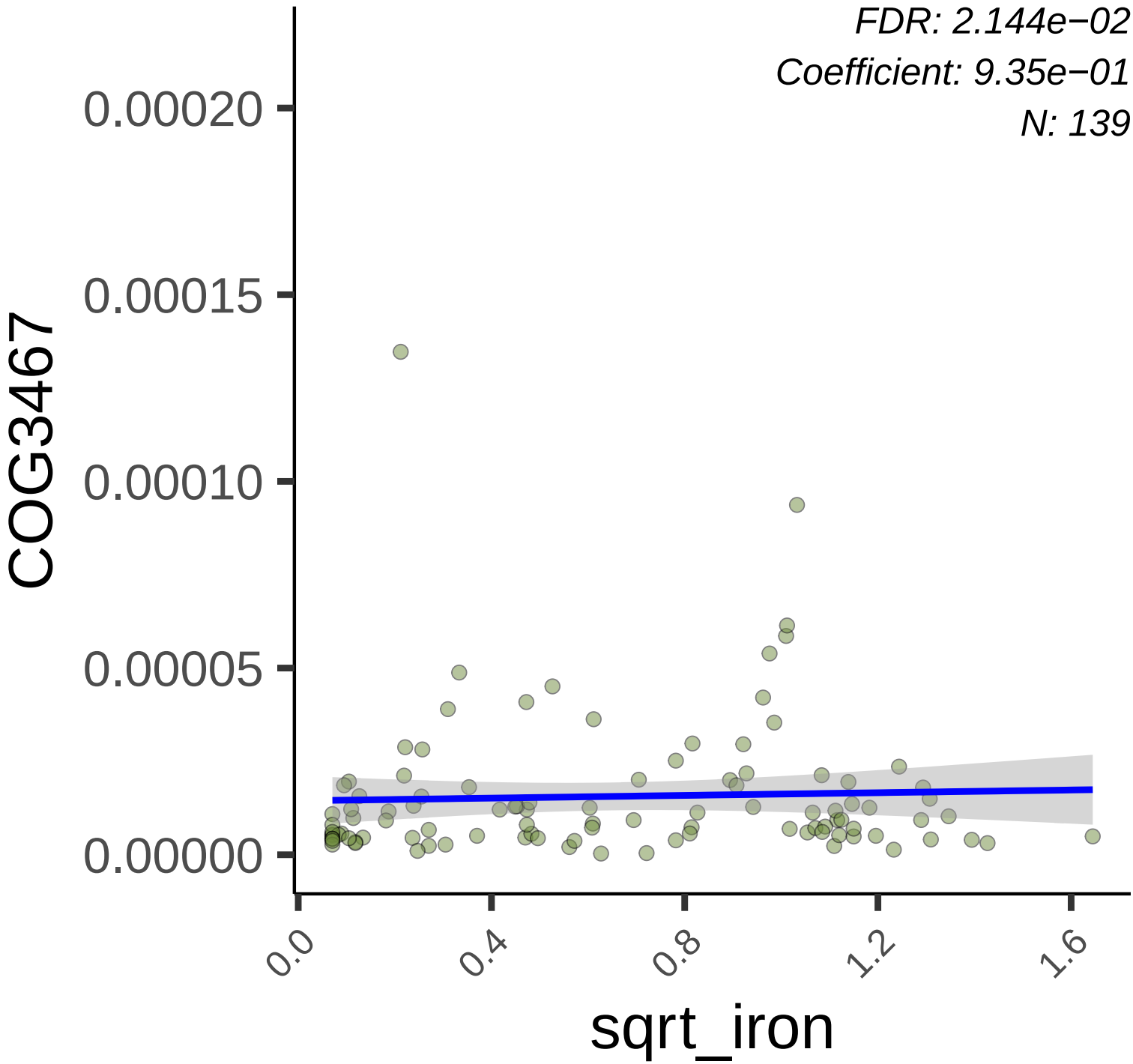
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.144e−02
Coefficient: 9.35e−01
N: 139
COG3467
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0.00010
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0.00000
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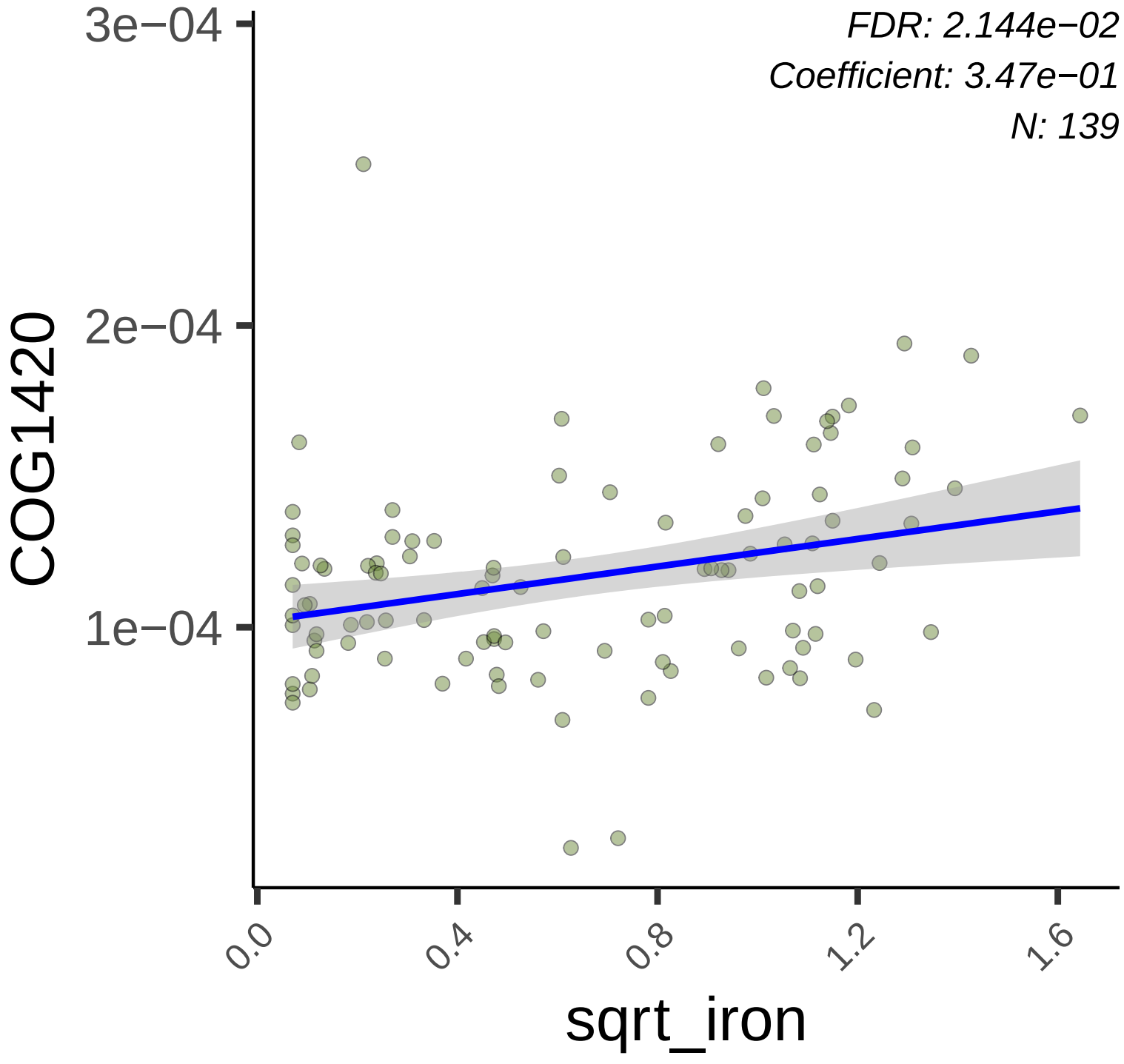
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.144e−02
Coefficient: 3.47e−01
N: 139
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2e−04
1e−04
COG1420
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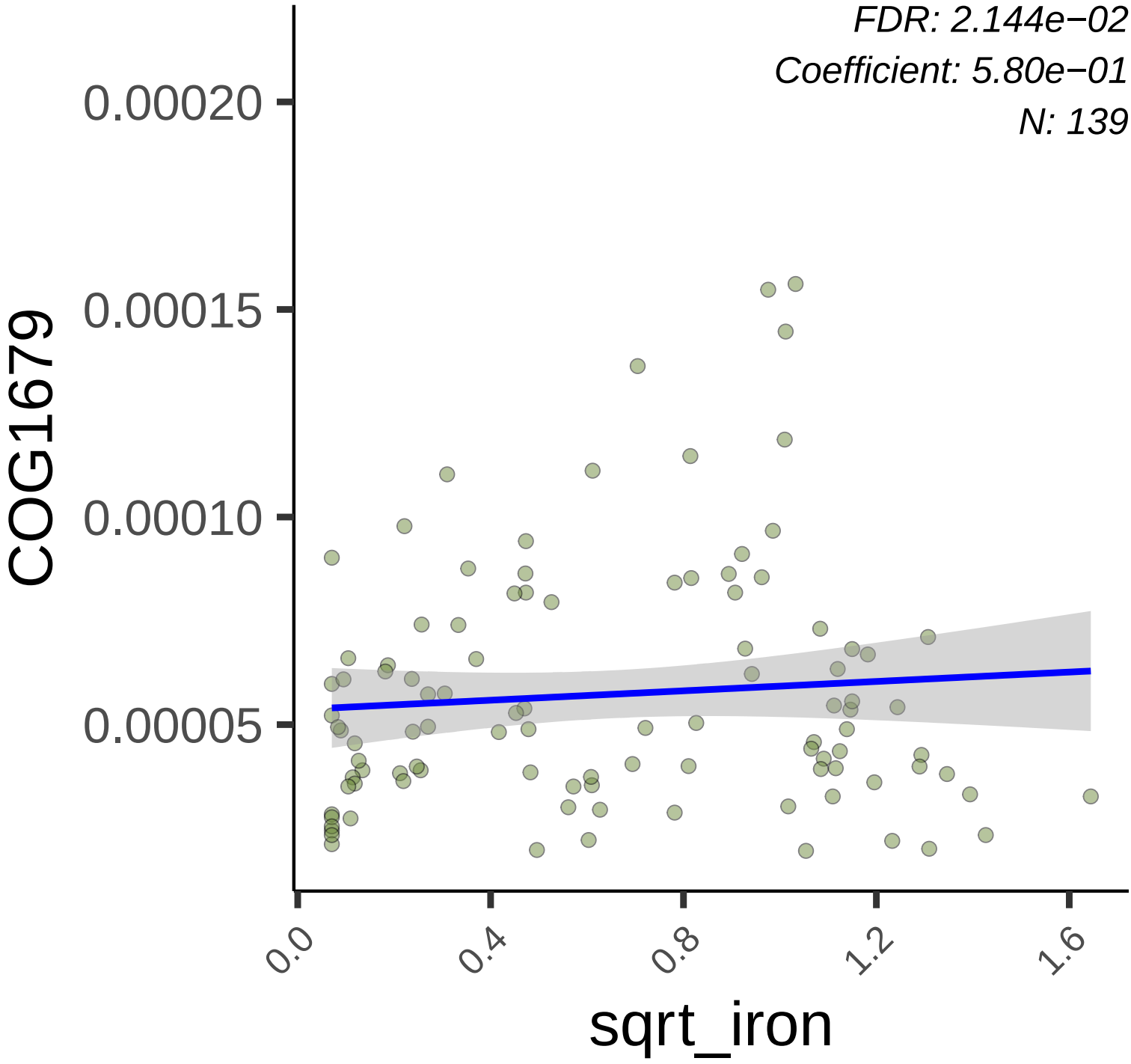
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.144e−02
Coefficient: 5.80e−01
N: 139
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0.00010
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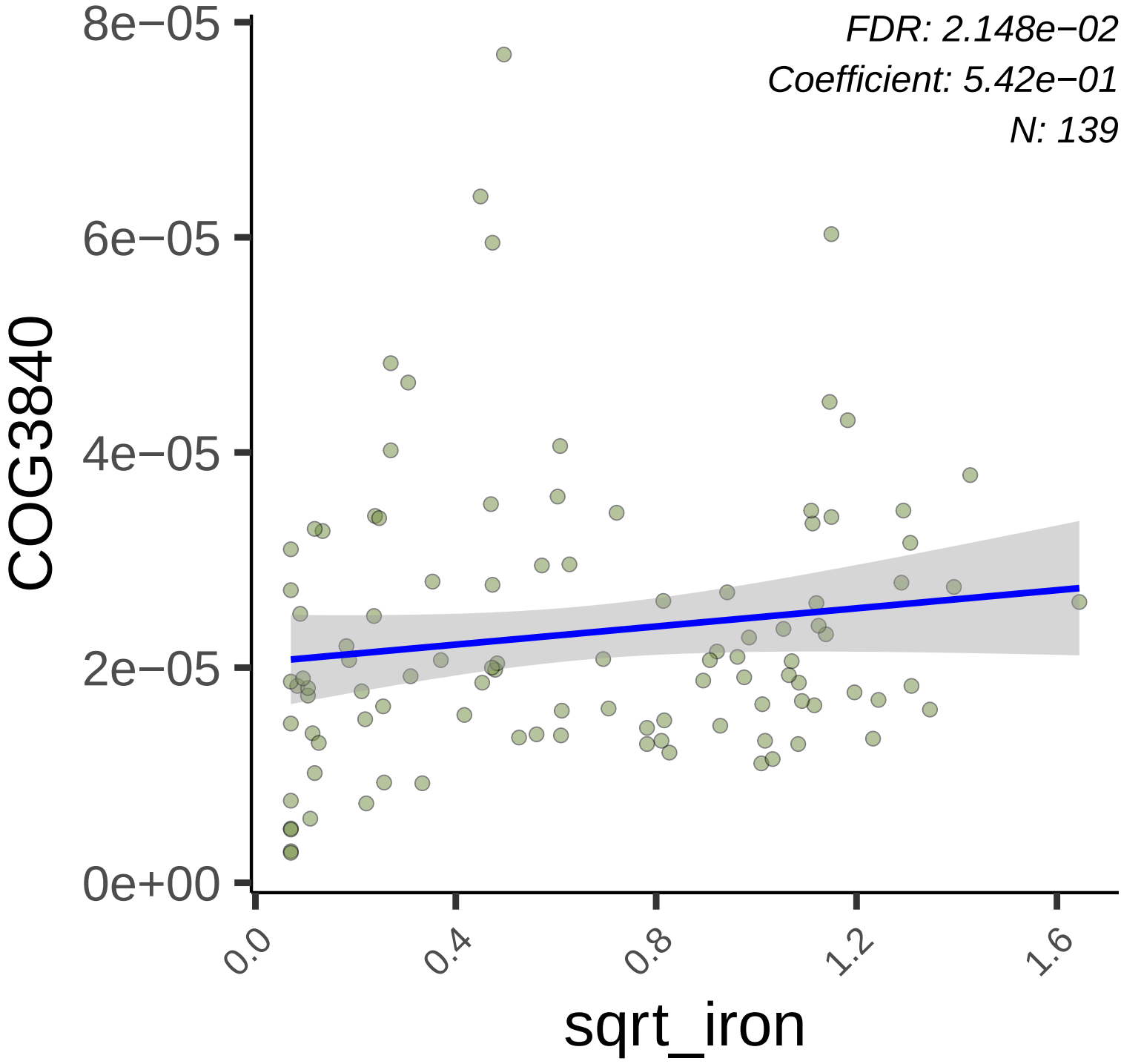
1.2
1.6
sqrt_iron


FDR: 2.148e−02
Coefficient: 5.42e−01
N: 139
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6e−05
4e−05
2e−05
0e+00
COG3840
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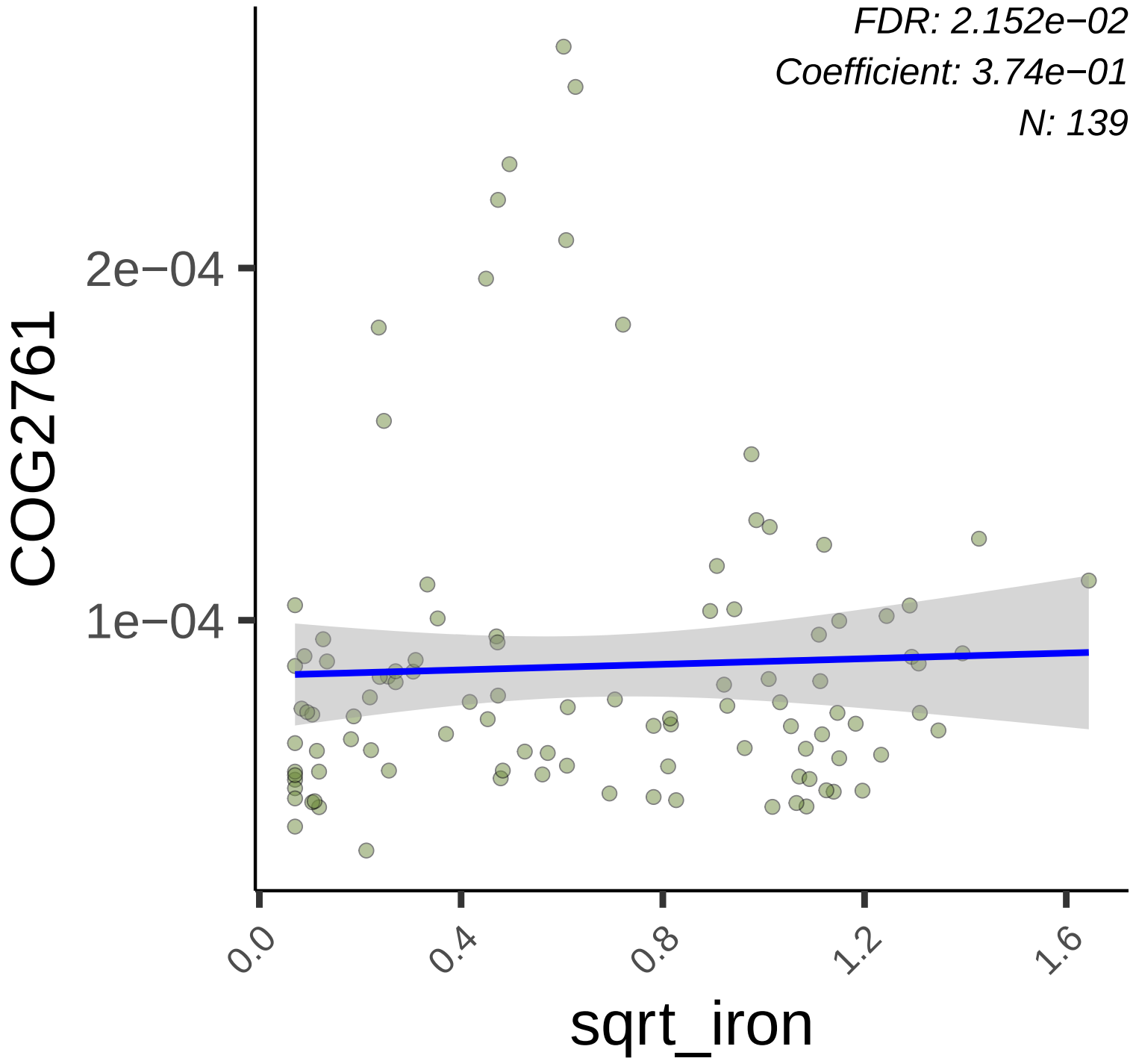
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.152e−02
Coefficient: 3.74e−01
N: 139
COG2761
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1e−04
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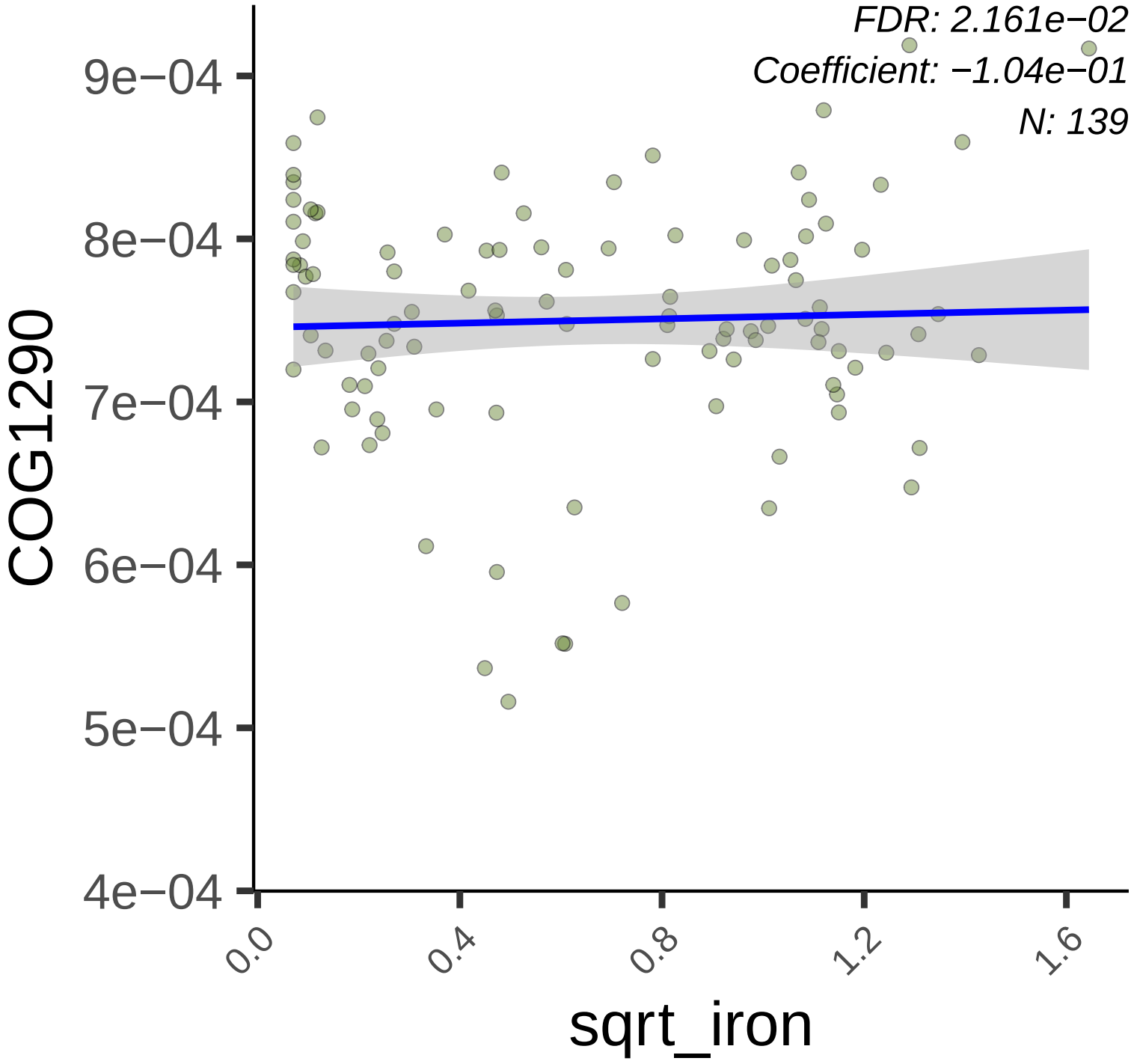
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.161e−02
Coefficient: −1.04e−01
N: 139
9e−04
8e−04
7e−04
6e−04
5e−04
4e−04
COG1290
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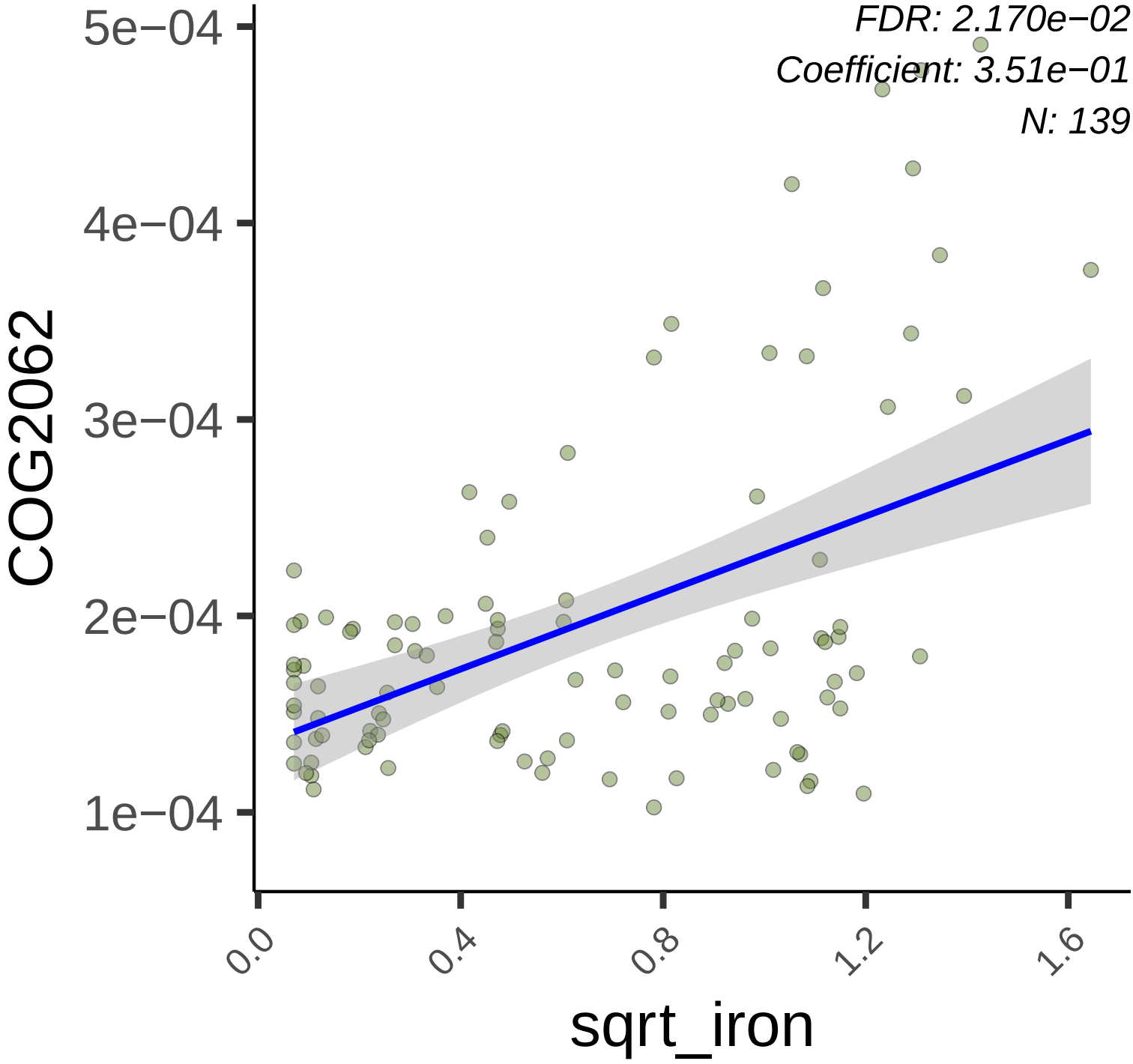
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.170e−02
Coefficient: 3.51e−01
N: 139
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2e−04
1e−04
COG2062
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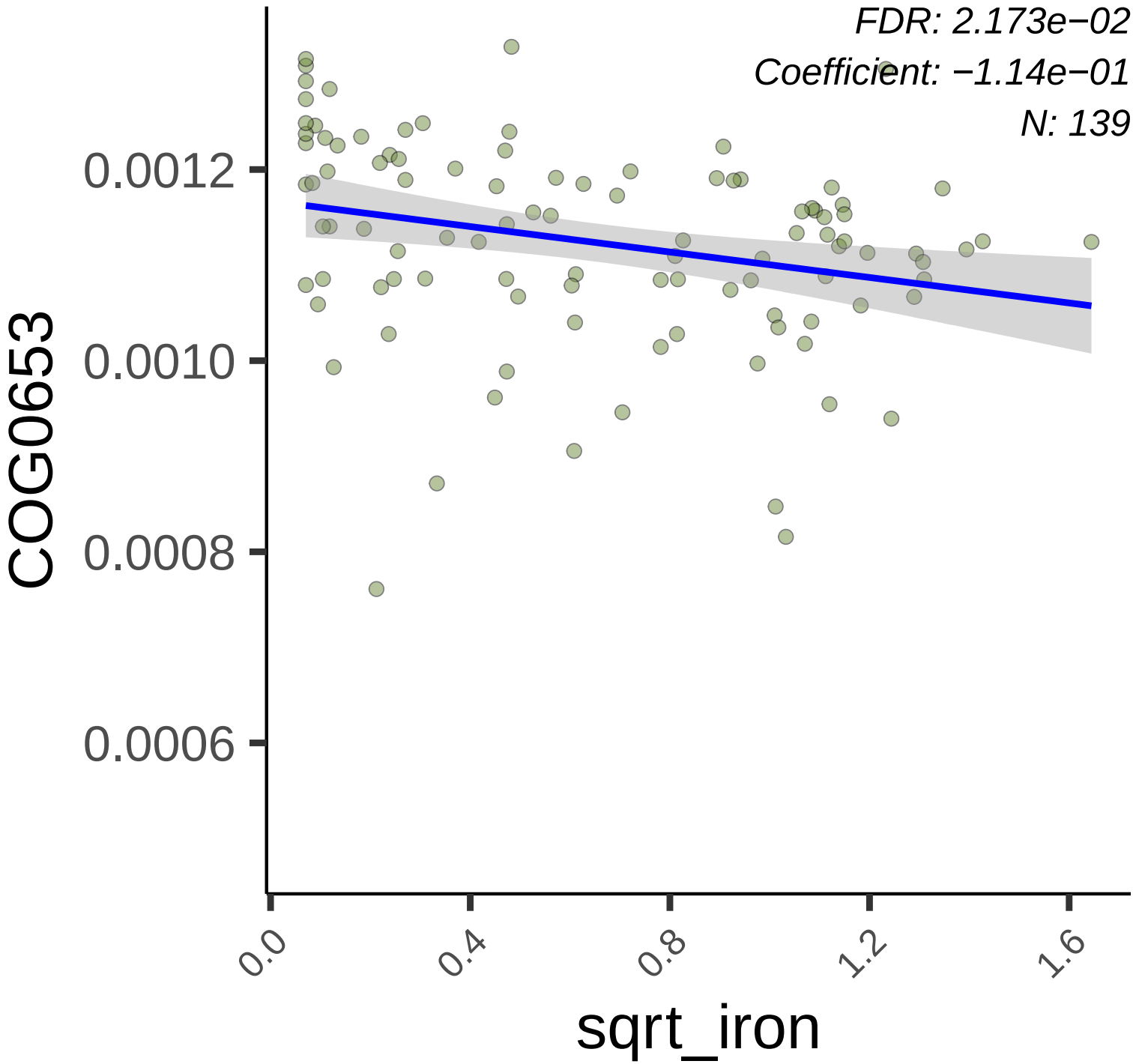
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.173e−02
Coefficient: −1.14e−01
N: 139
COG0653
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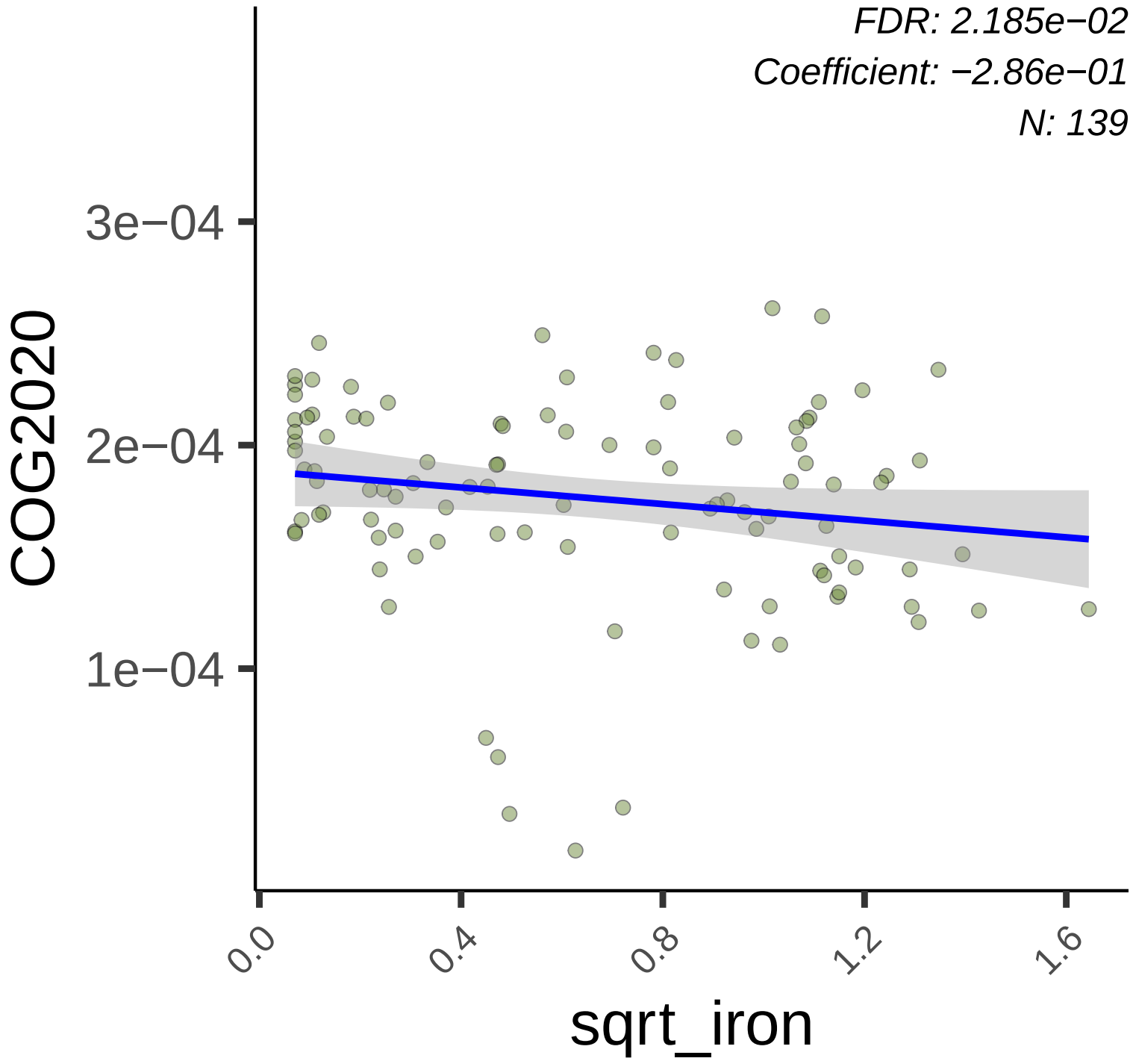
0.0010
0.0008
0.0006
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.185e−02
Coefficient: −2.86e−01
N: 139
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2e−04
1e−04
COG2020
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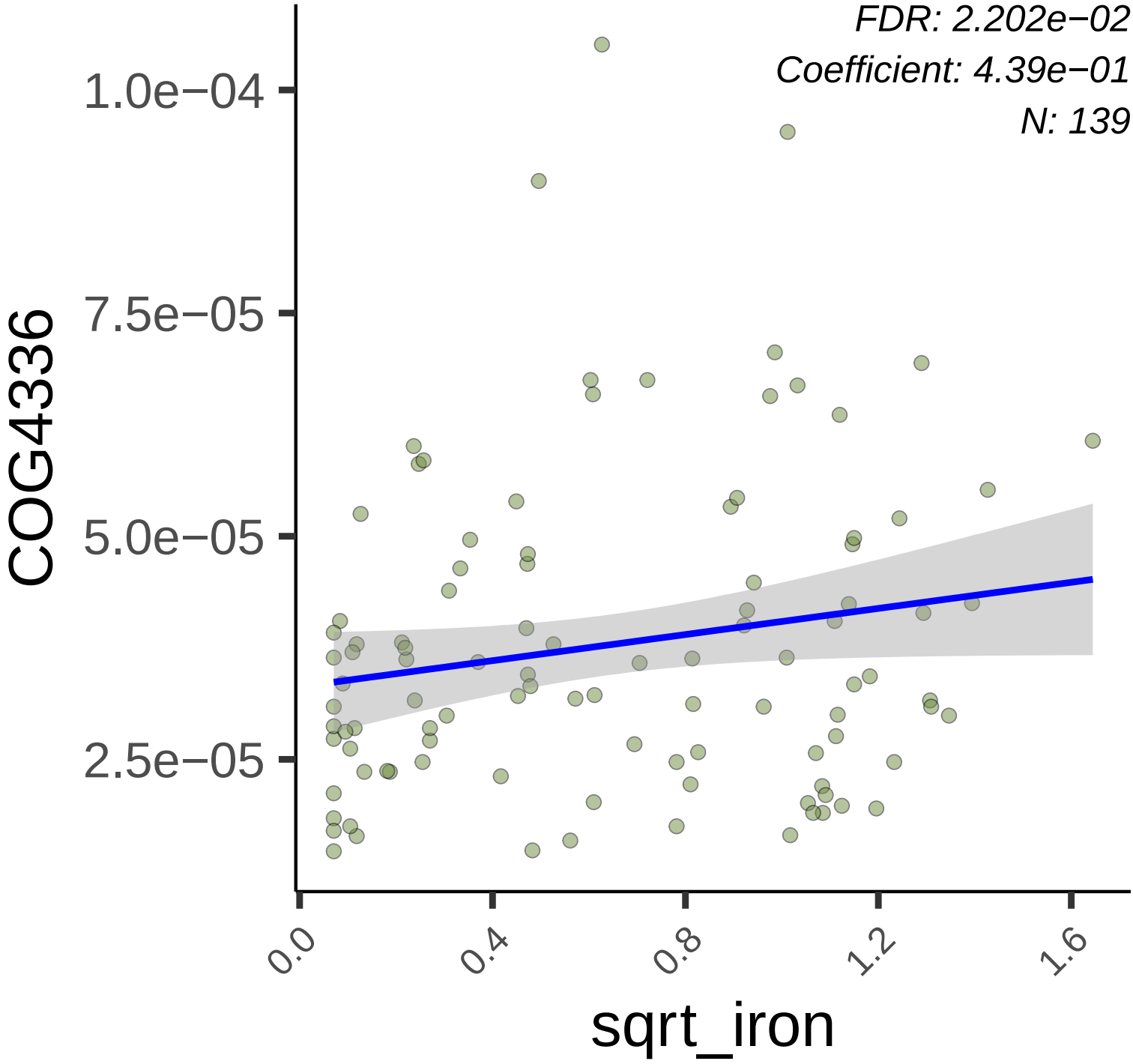
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.202e−02
Coefficient: 4.39e−01
N: 139
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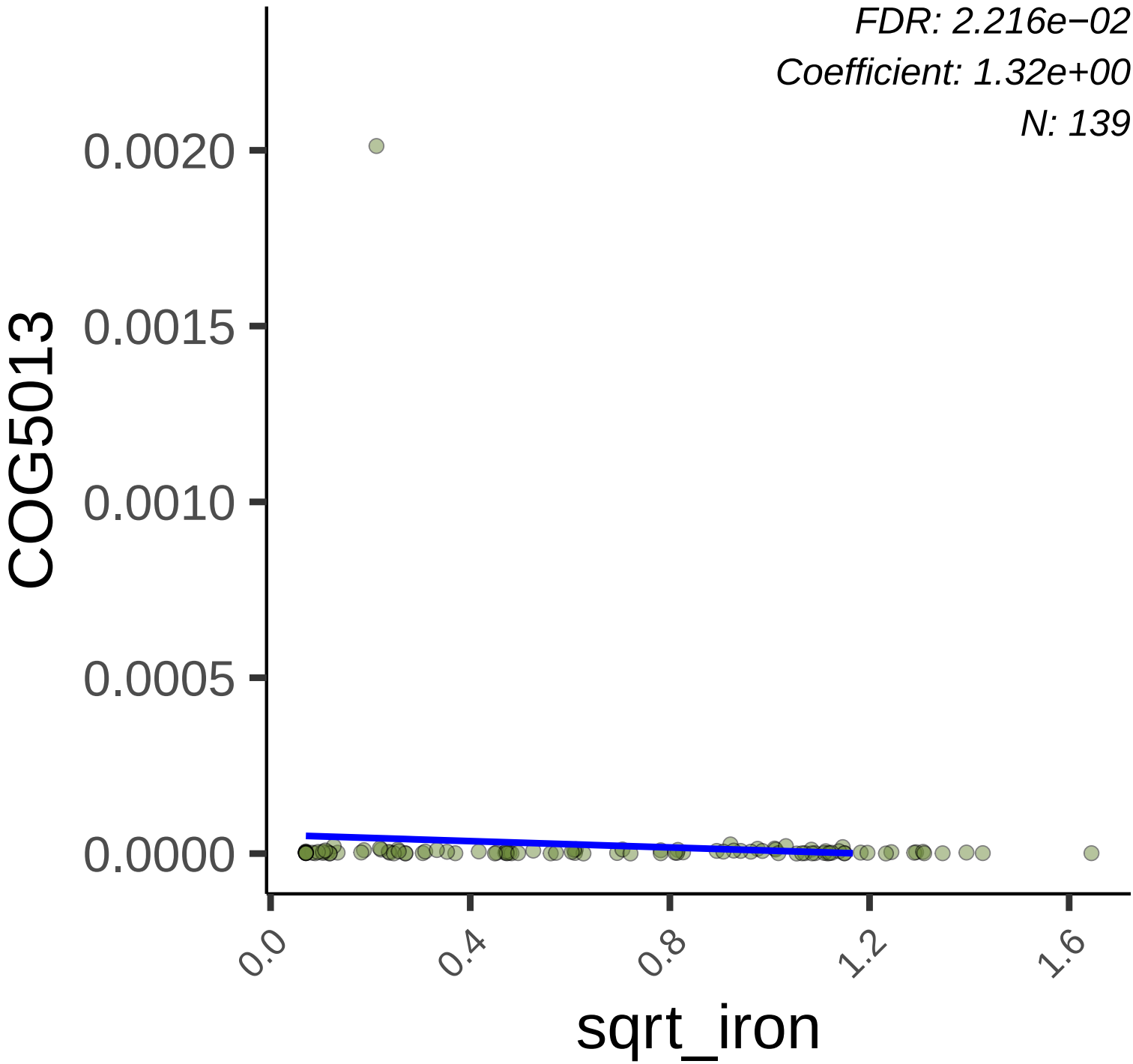
7.5e−05
5.0e−05
2.5e−05
COG4336
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.216e−02
Coefficient: 1.32e+00
N: 139
COG5013
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0.4
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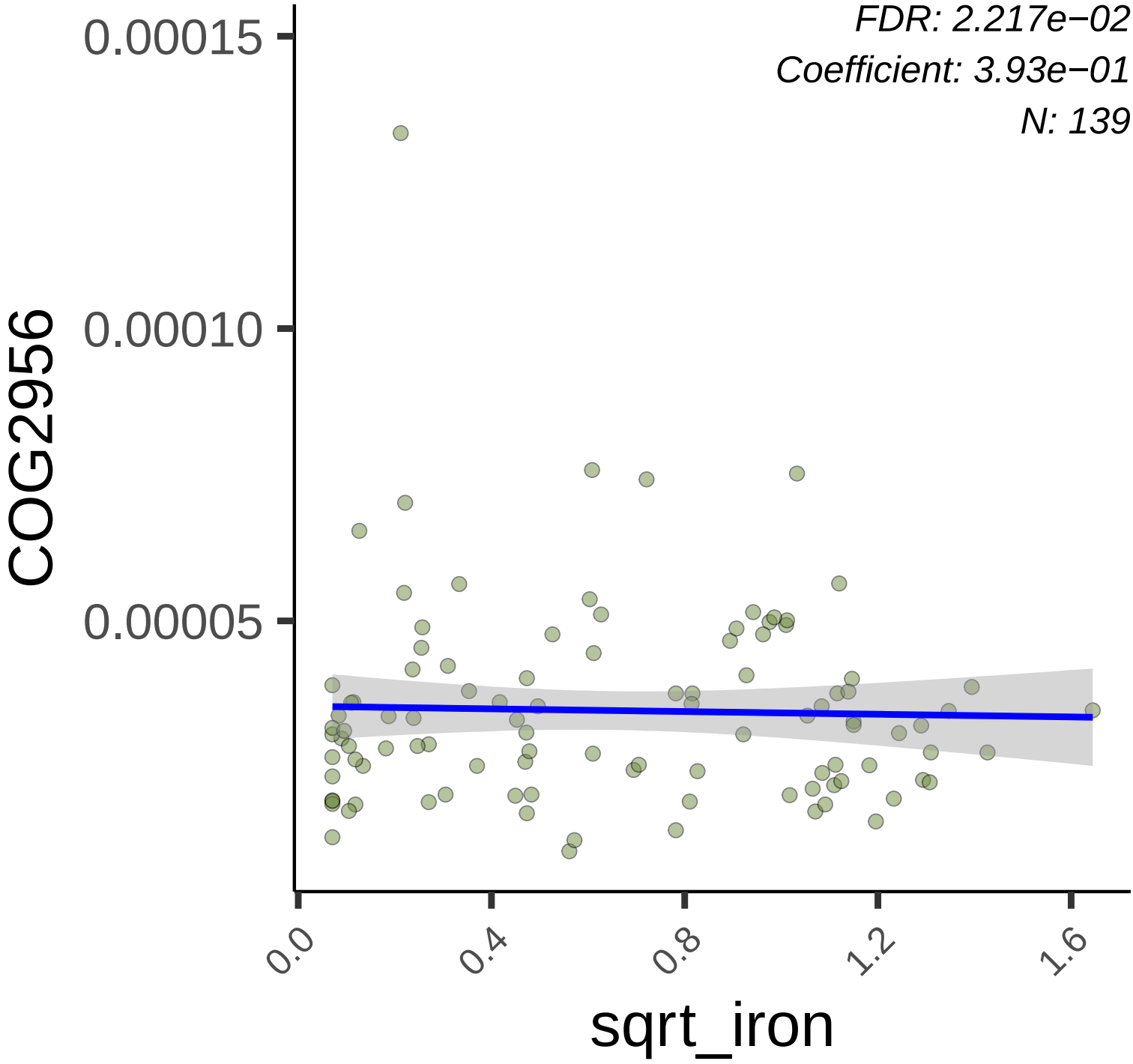
1.6
sqrt_iron


FDR: 2.217e−02
Coefficient: 3.93e−01
N: 139
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COG2956
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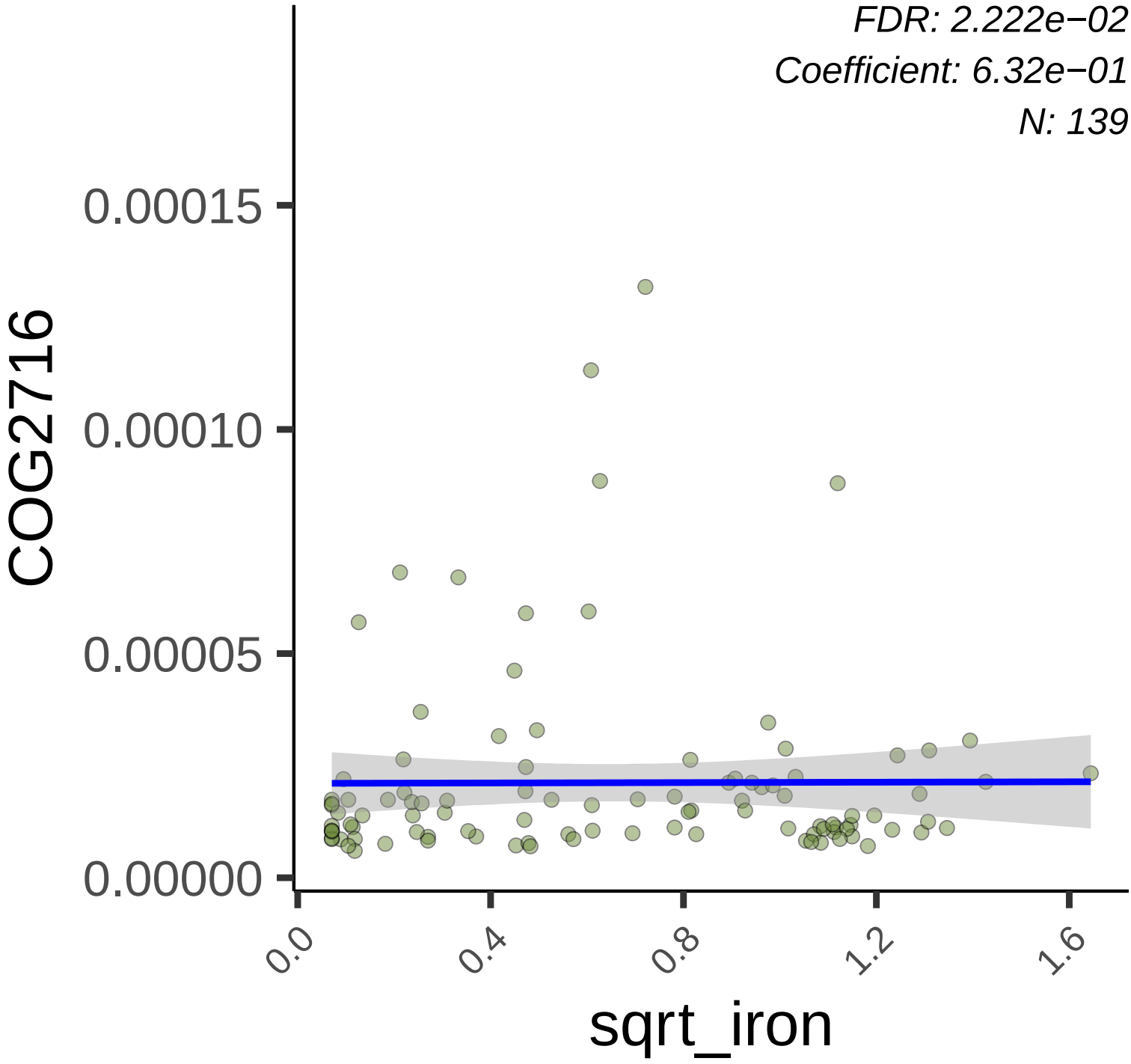
1.6
sqrt_iron


FDR: 2.222e−02
Coefficient: 6.32e−01
N: 139
COG2716
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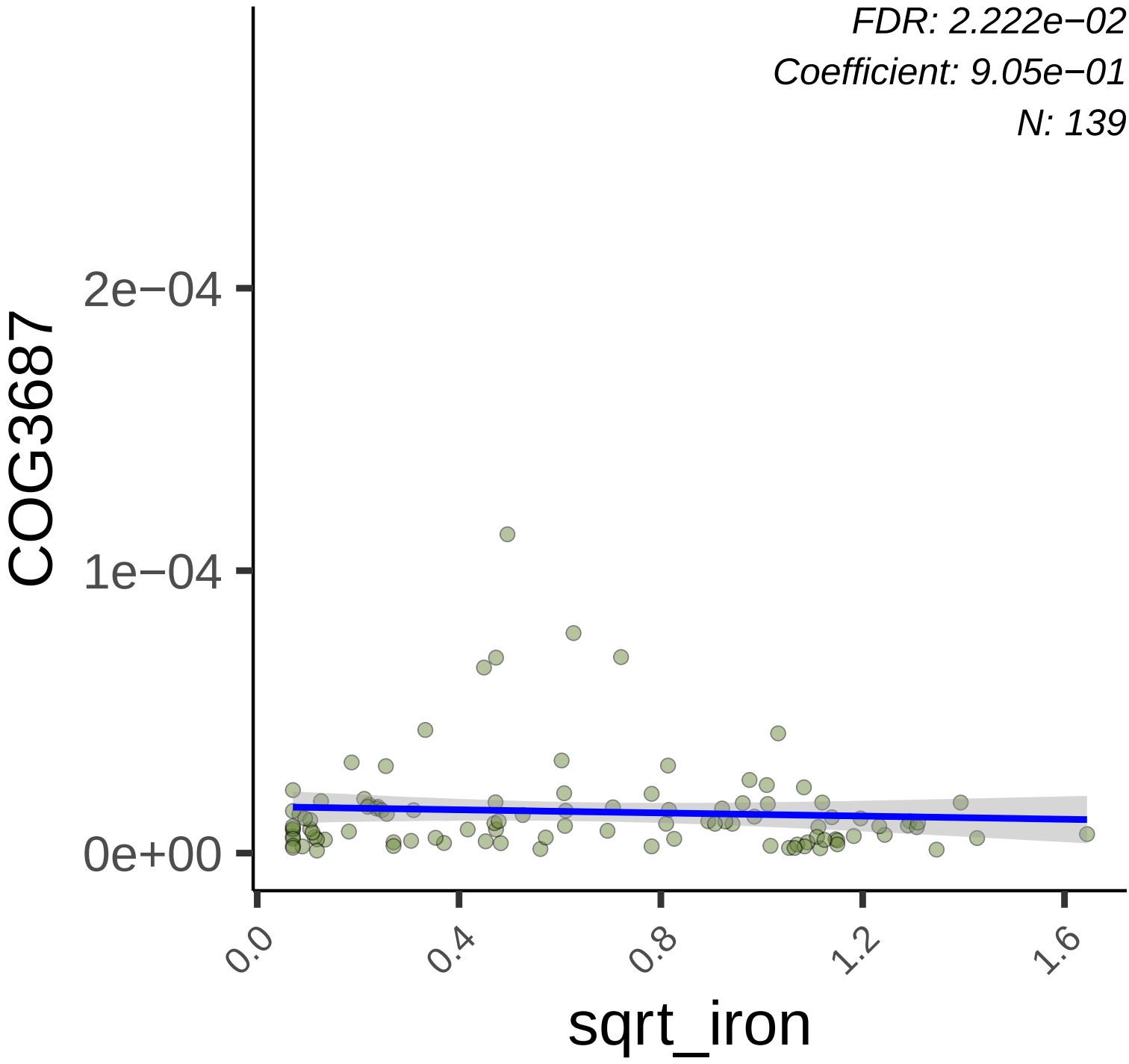
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.222e−02
Coefficient: 9.05e−01
N: 139
COG3687
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0.4
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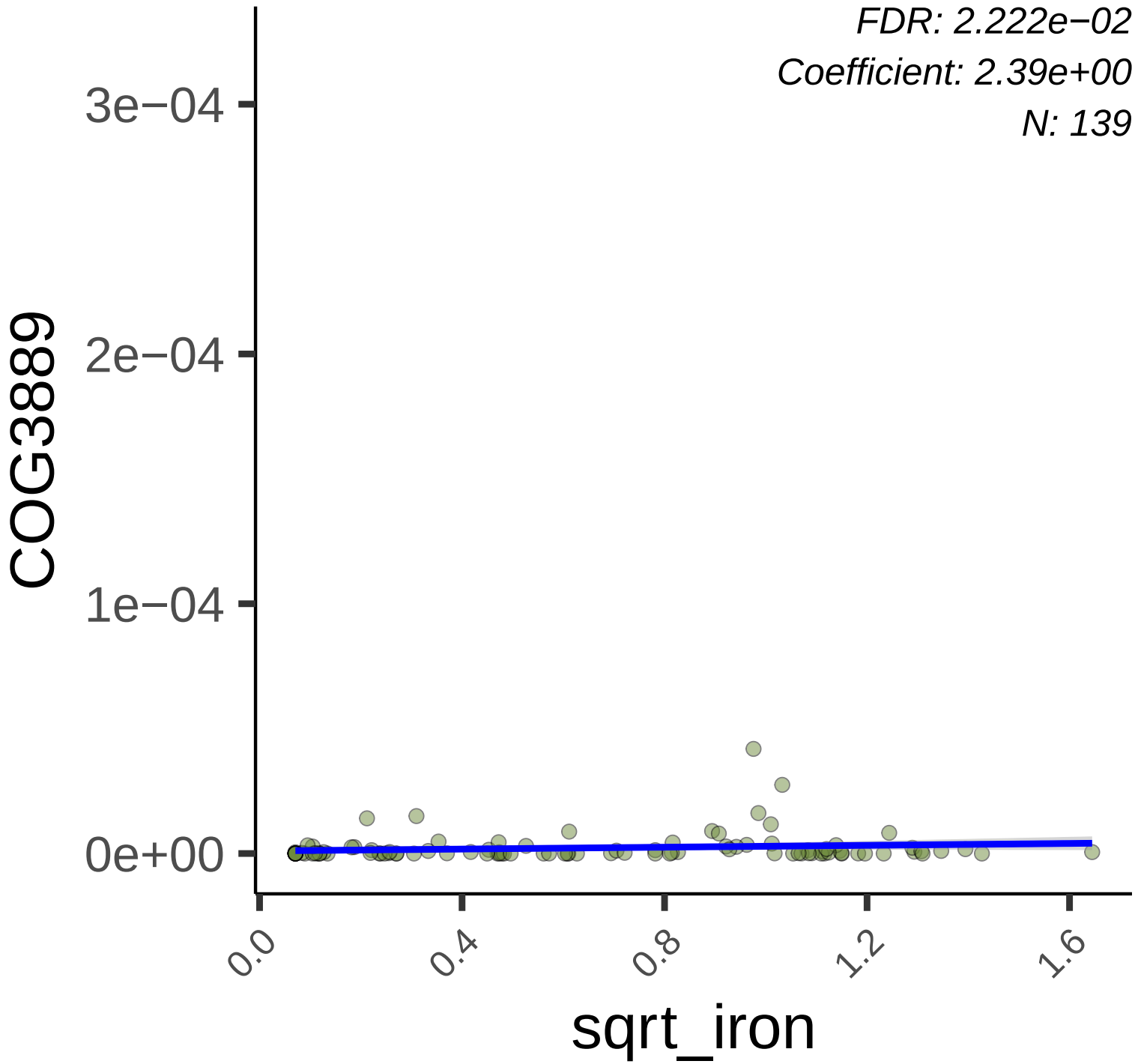
1.6
sqrt_iron


FDR: 2.222e−02
Coefficient: 2.39e+00
N: 139
COG3889
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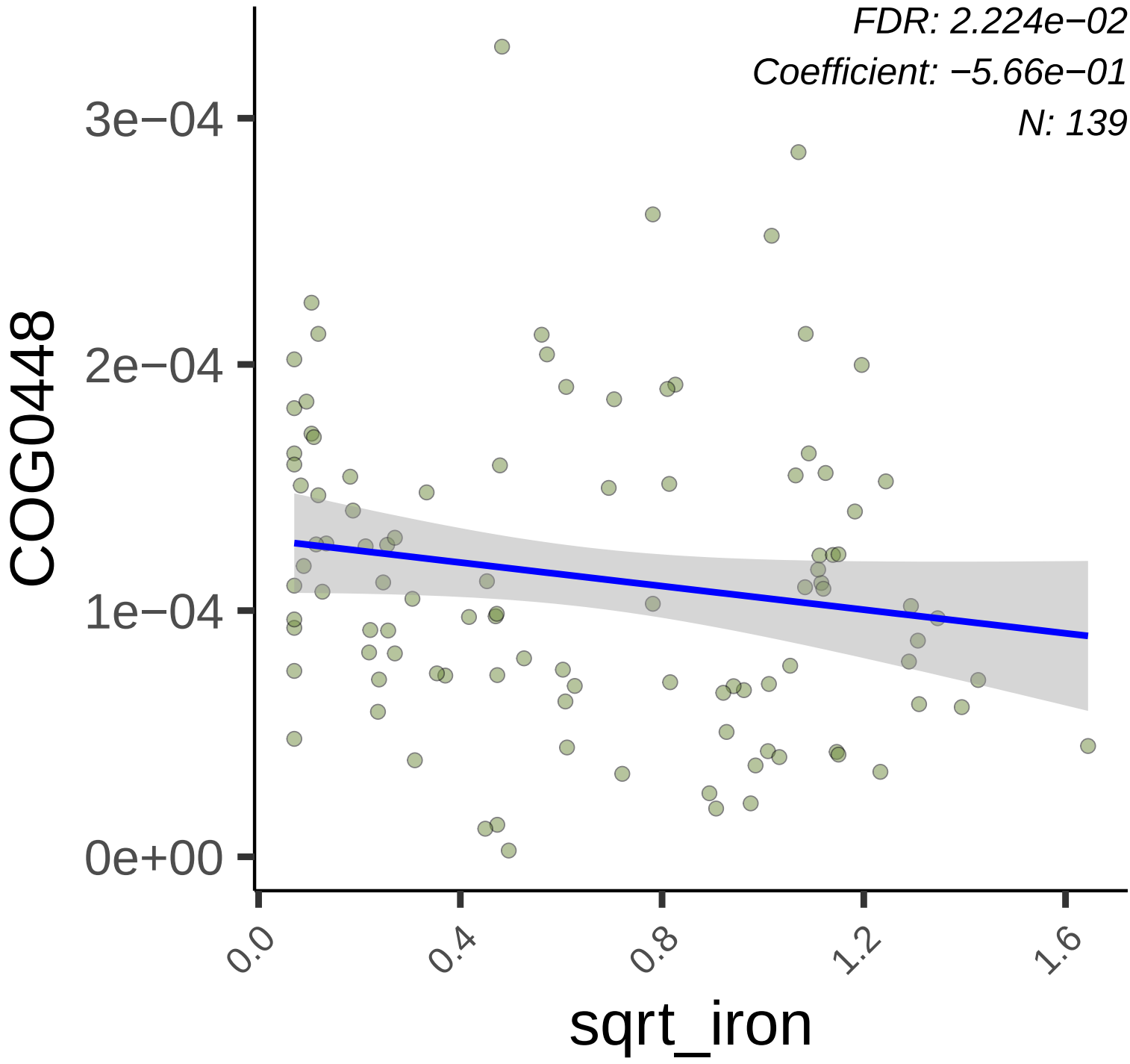
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.224e−02
Coefficient: −5.66e−01
N: 139
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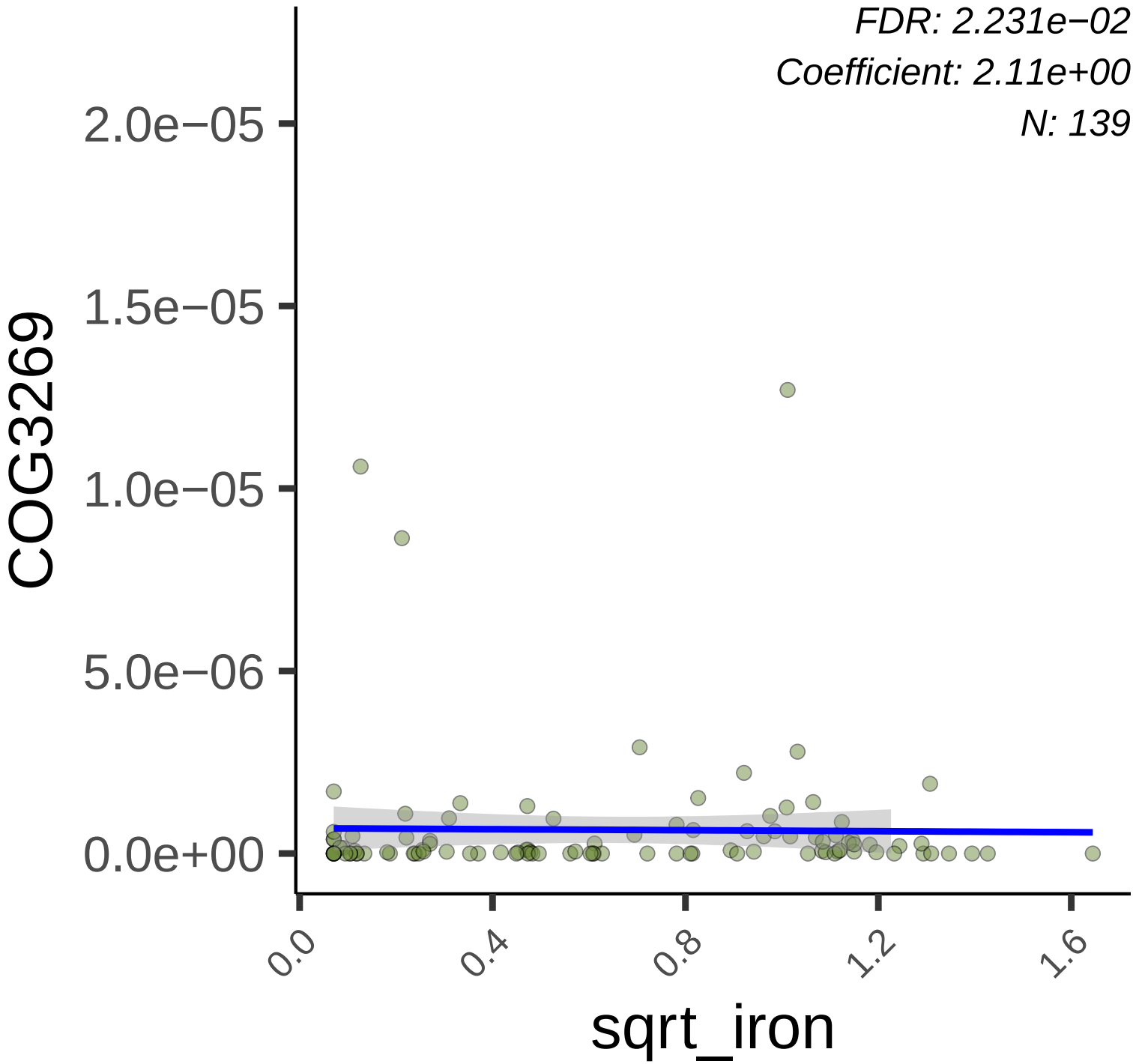
1.6
sqrt_iron


FDR: 2.231e−02
Coefficient: 2.11e+00
N: 139
COG3269
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
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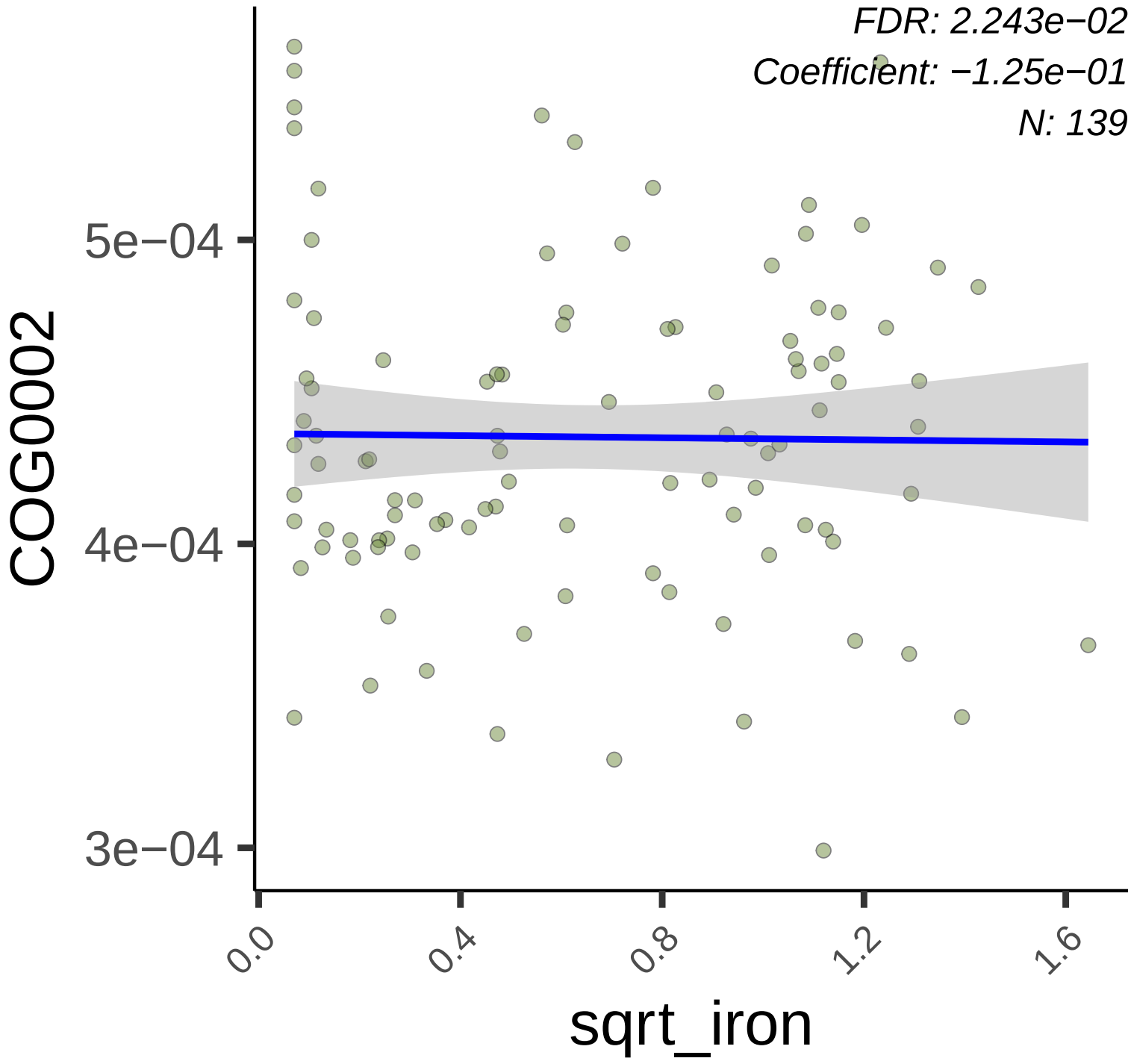
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.243e−02
Coefficient: −1.25e−01
N: 139
COG0002
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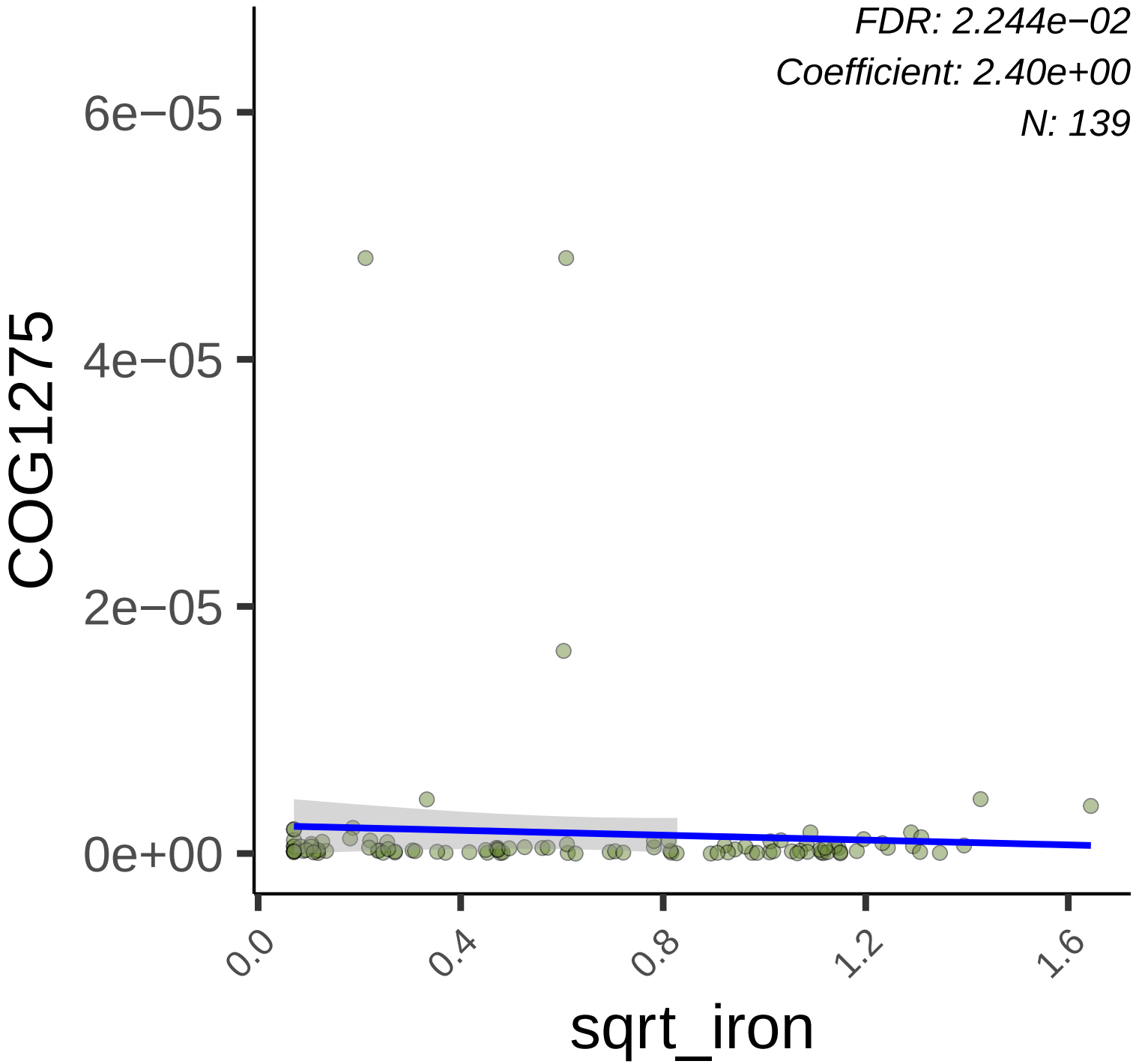
4e−04
3e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.244e−02
Coefficient: 2.40e+00
N: 139
COG1275
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2e−05
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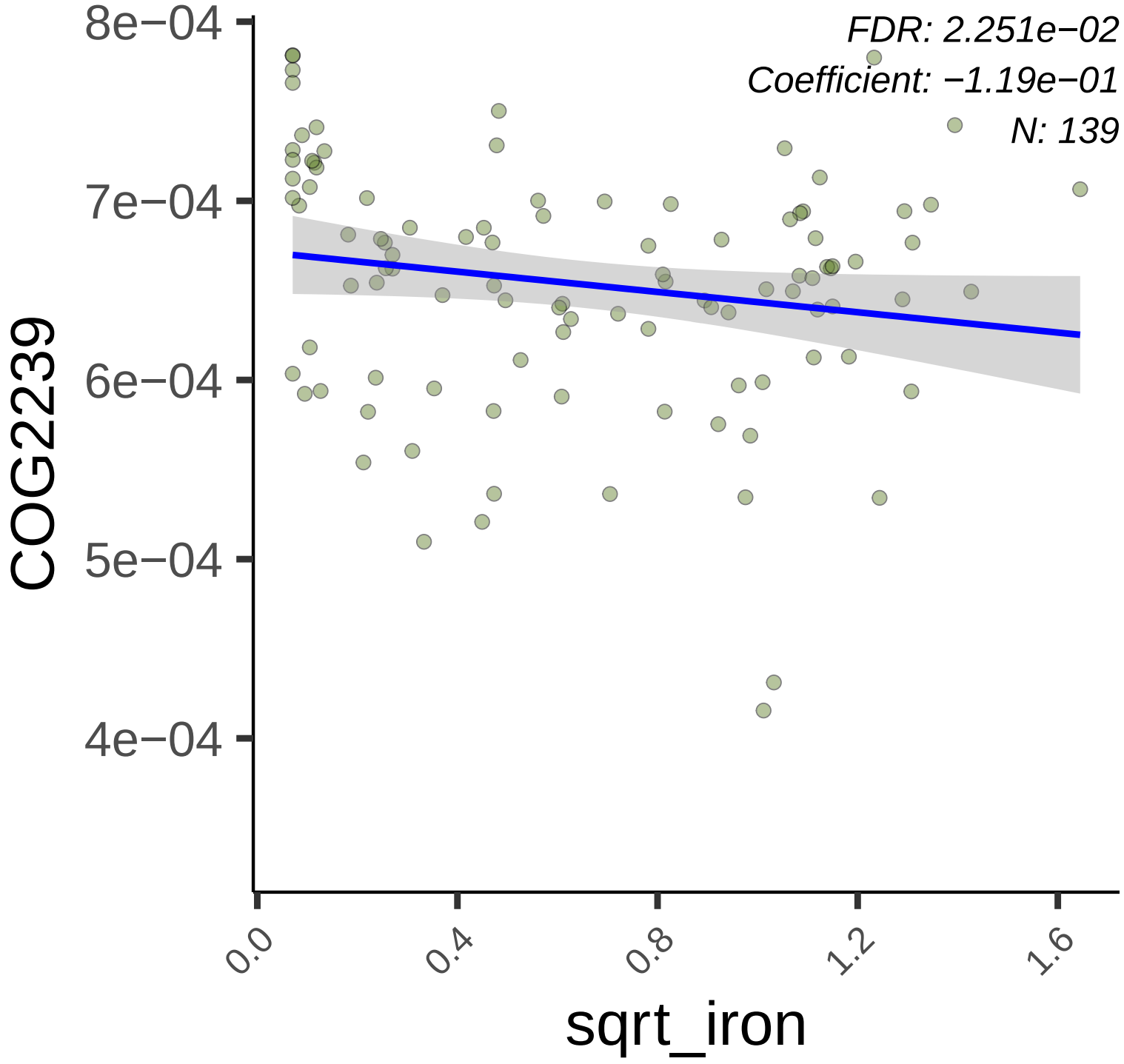
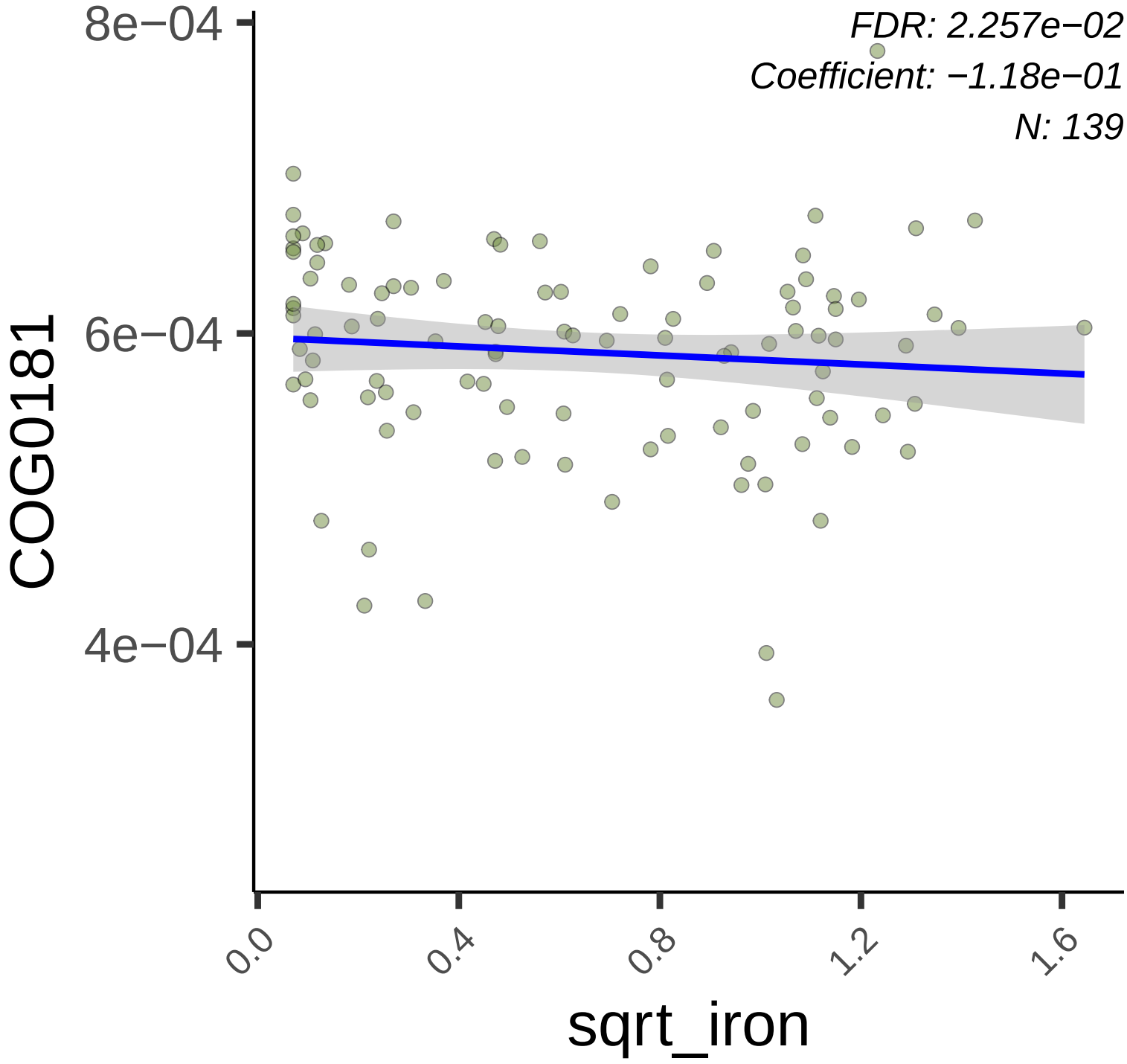
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.251e−02
Coefficient: −1.19e−01
N: 139
8e−04
7e−04
6e−04
5e−04
4e−04
COG2239
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.257e−02
Coefficient: −1.18e−01
N: 139
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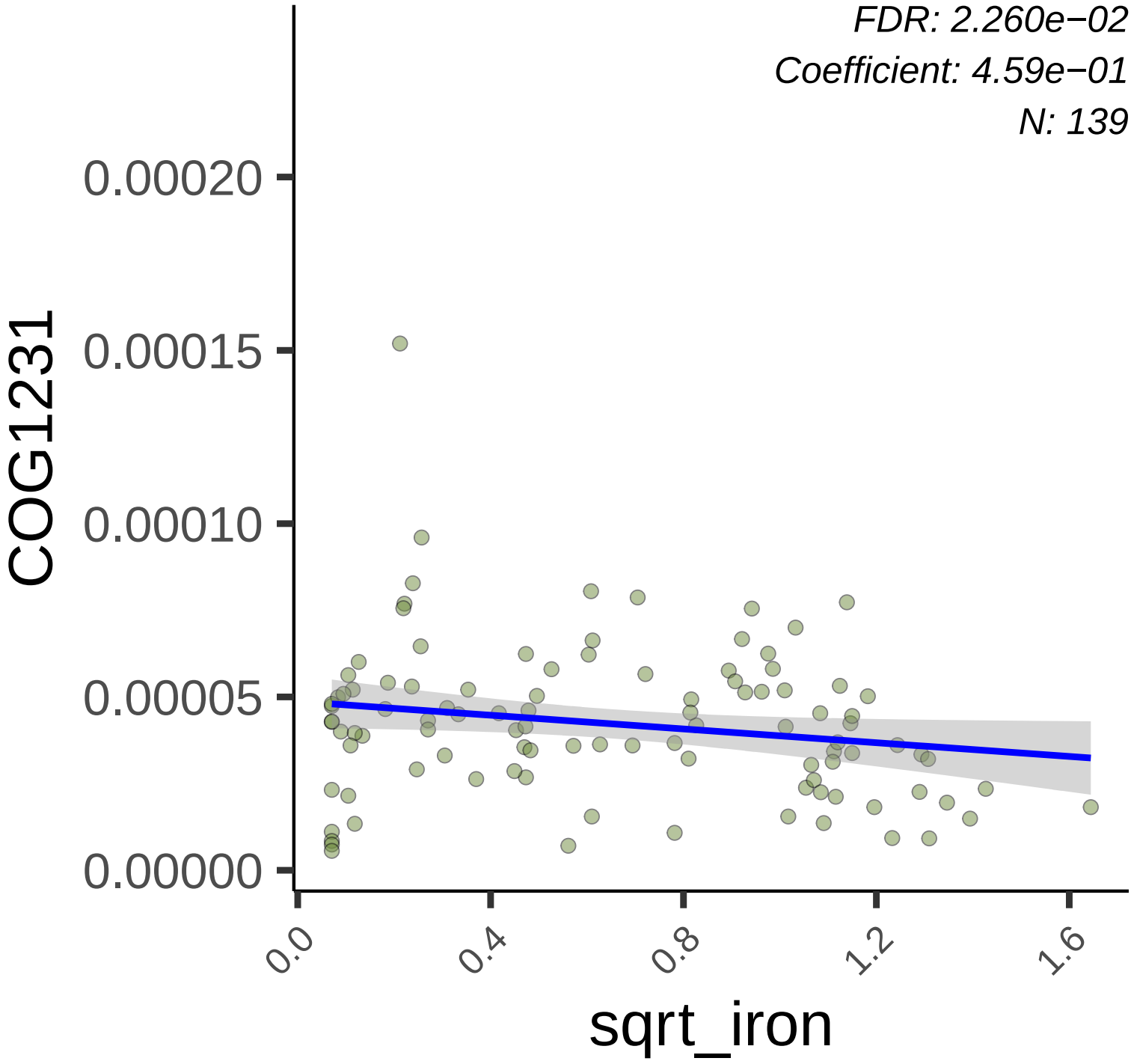
6e−04
4e−04
COG0181
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.260e−02
Coefficient: 4.59e−01
N: 139
COG1231
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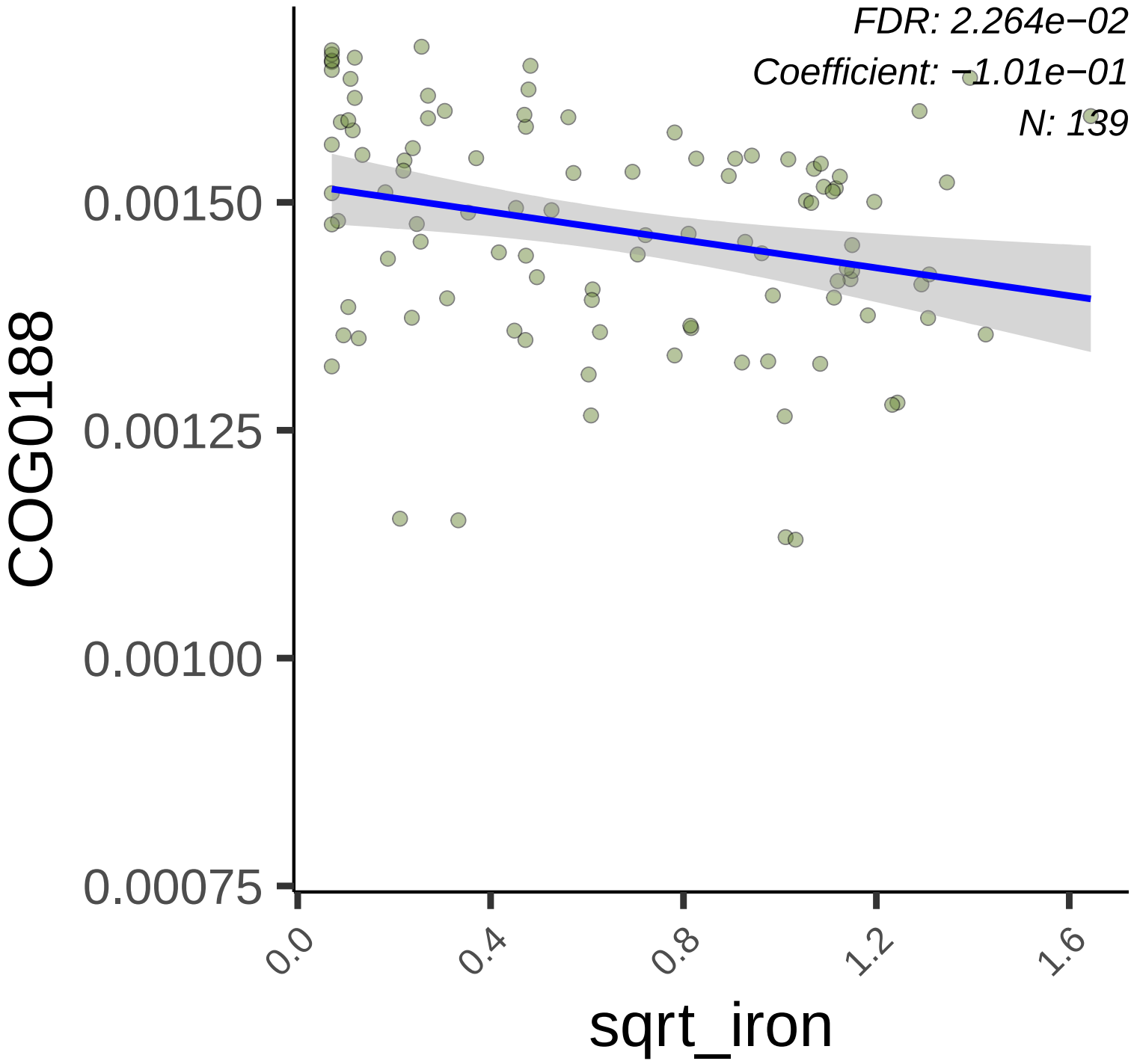
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.264e−02
Coefficient: −1.01e−01
N: 139
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0.00125
0.00100
0.00075
COG0188
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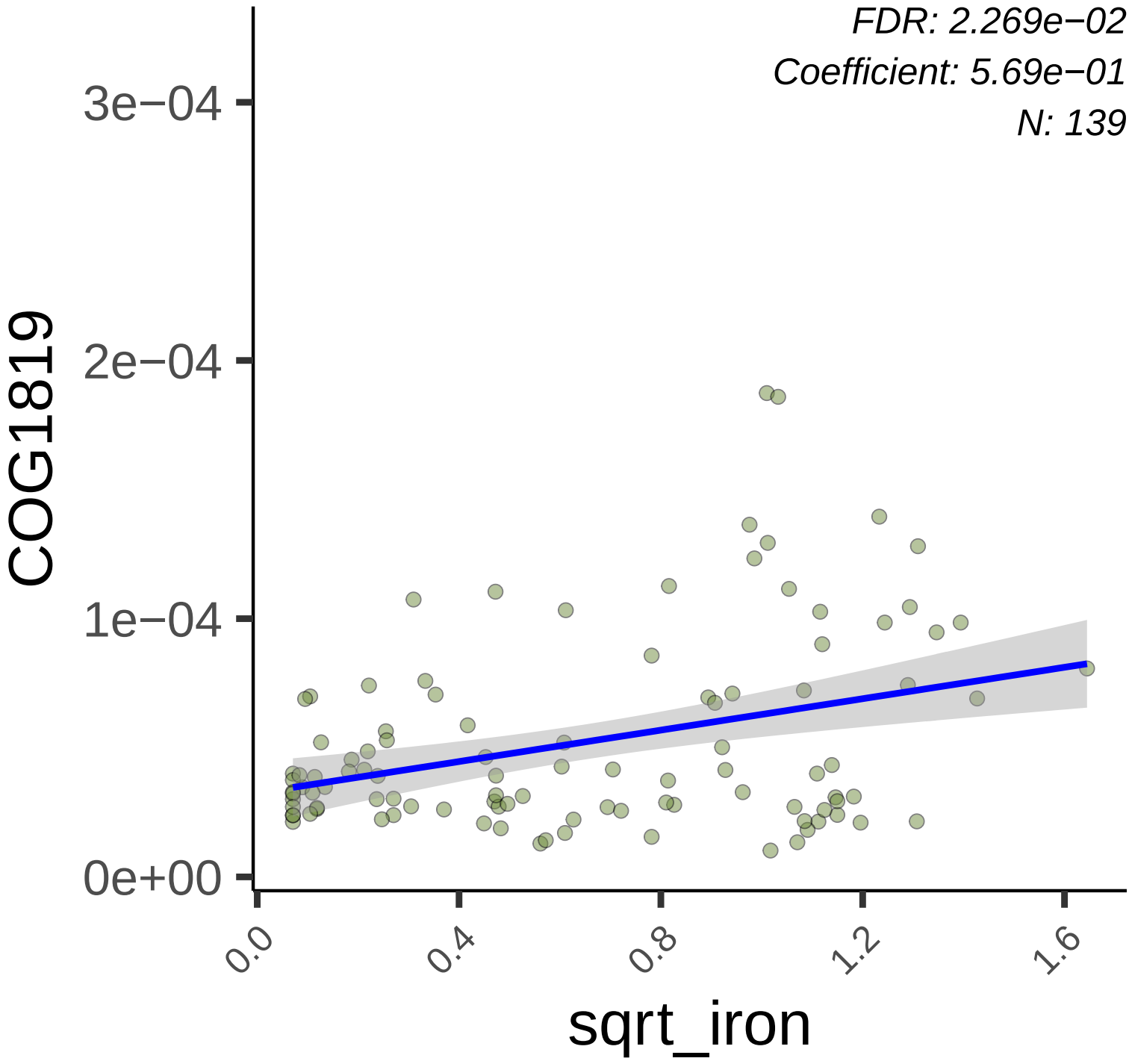
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.269e−02
Coefficient: 5.69e−01
N: 139
COG1819
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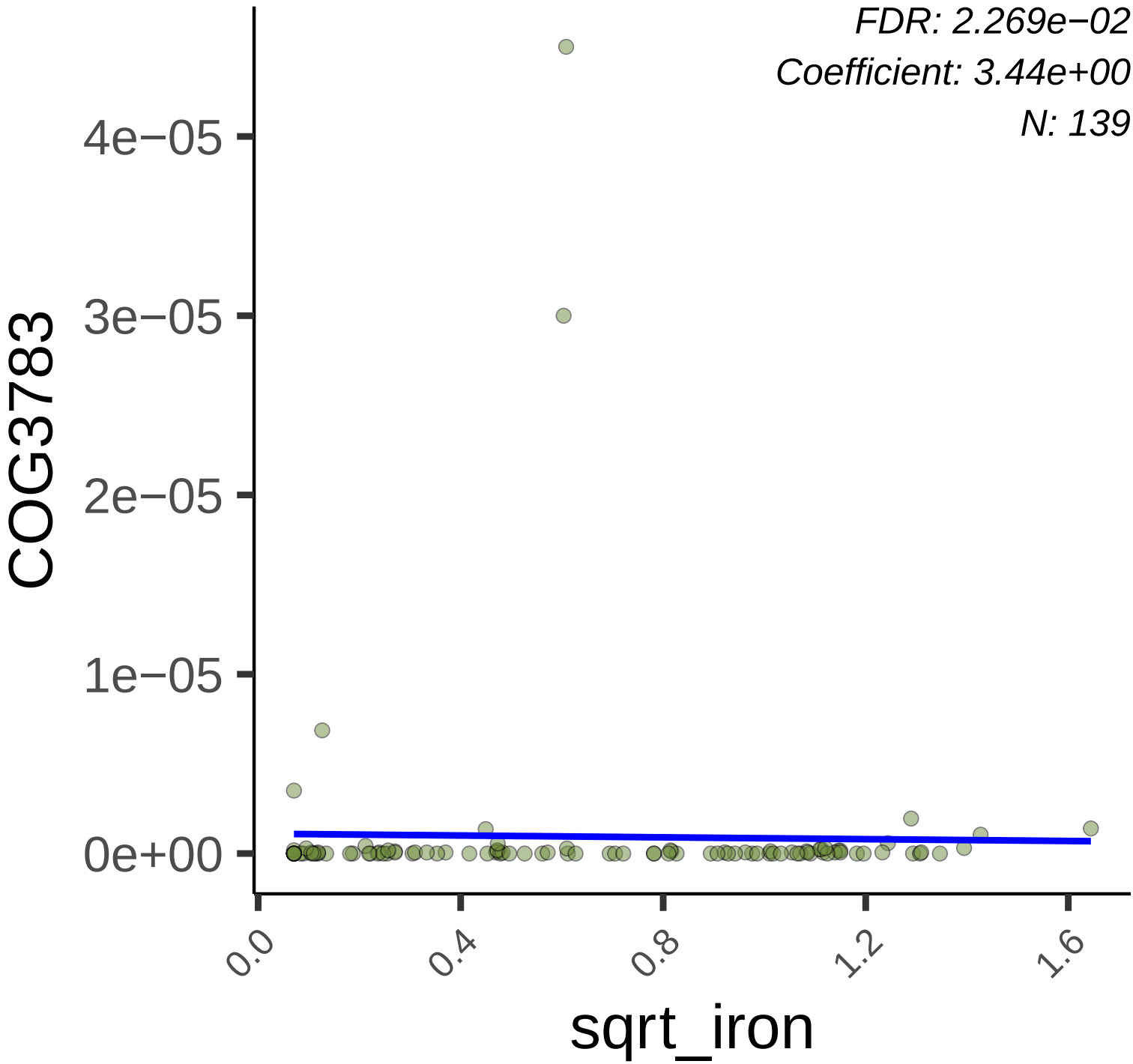
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.269e−02
Coefficient: 3.44e+00
N: 139
COG3783
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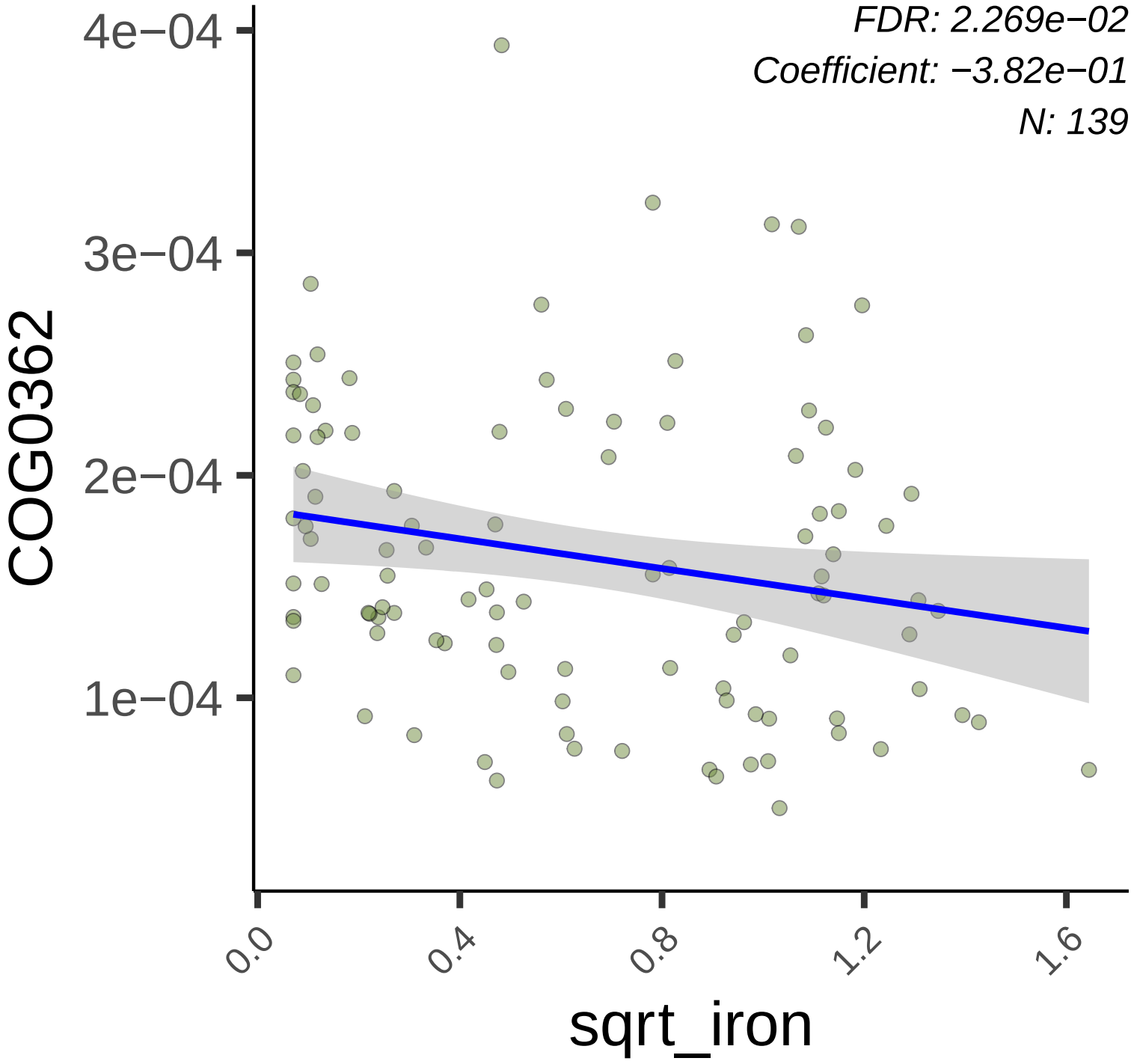
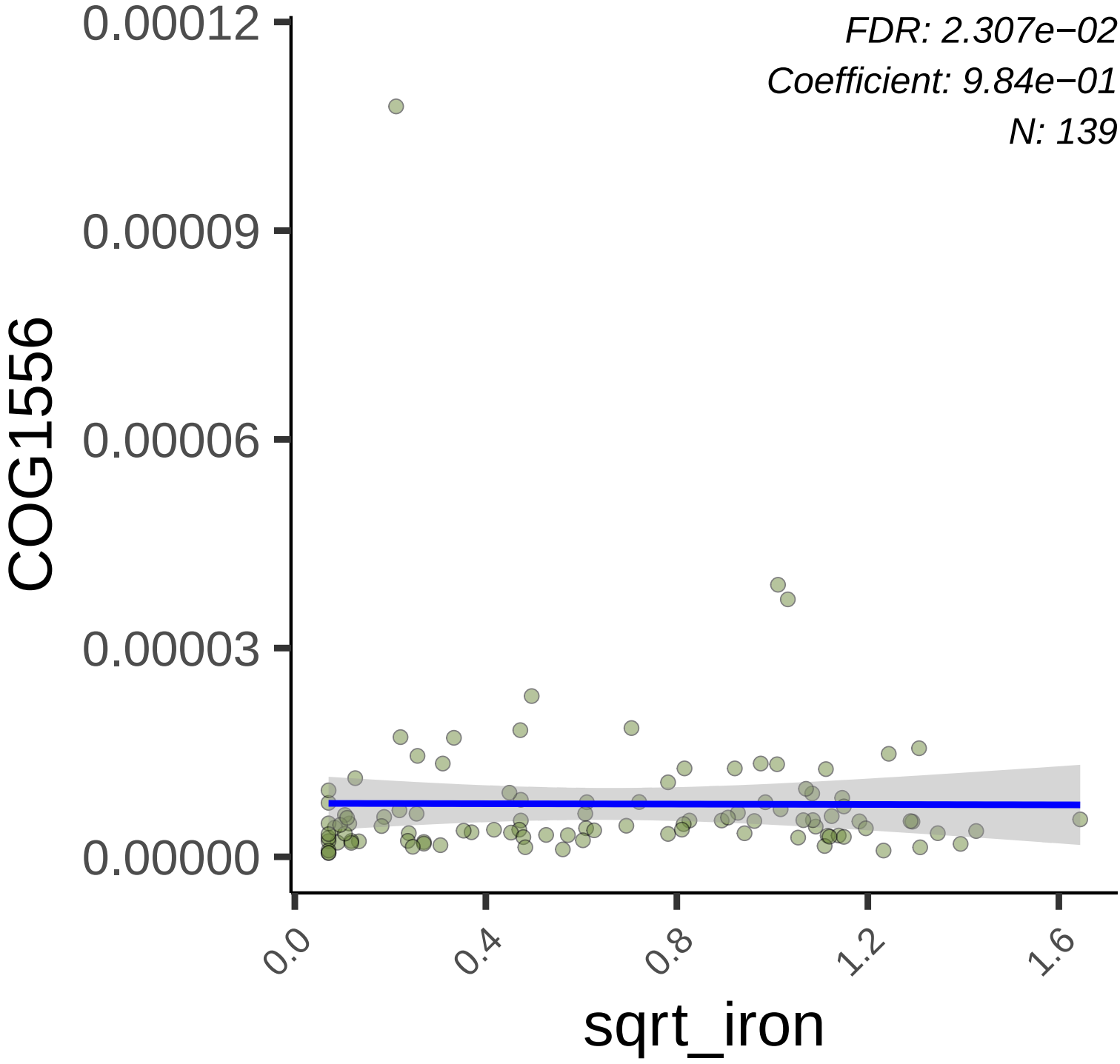
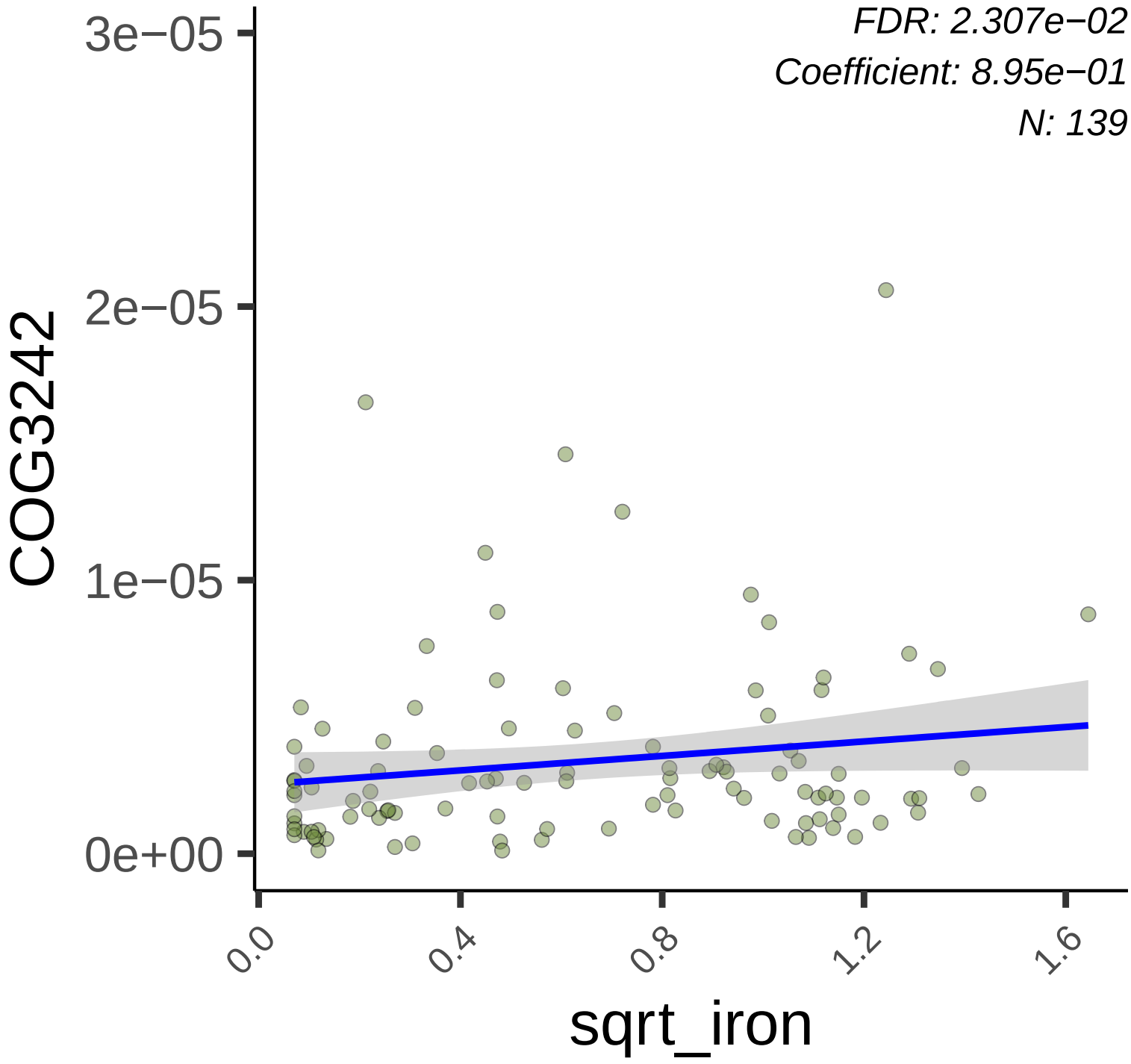
3e−05
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.269e−02
Coefficient: −3.82e−01
N: 139
4e−04
3e−04
2e−04
1e−04
COG0362
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.307e−02
Coefficient: 9.84e−01
N: 139
0.00012
0.00009
0.00006
0.00003
0.00000
COG1556
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.307e−02
Coefficient: 8.95e−01
N: 139
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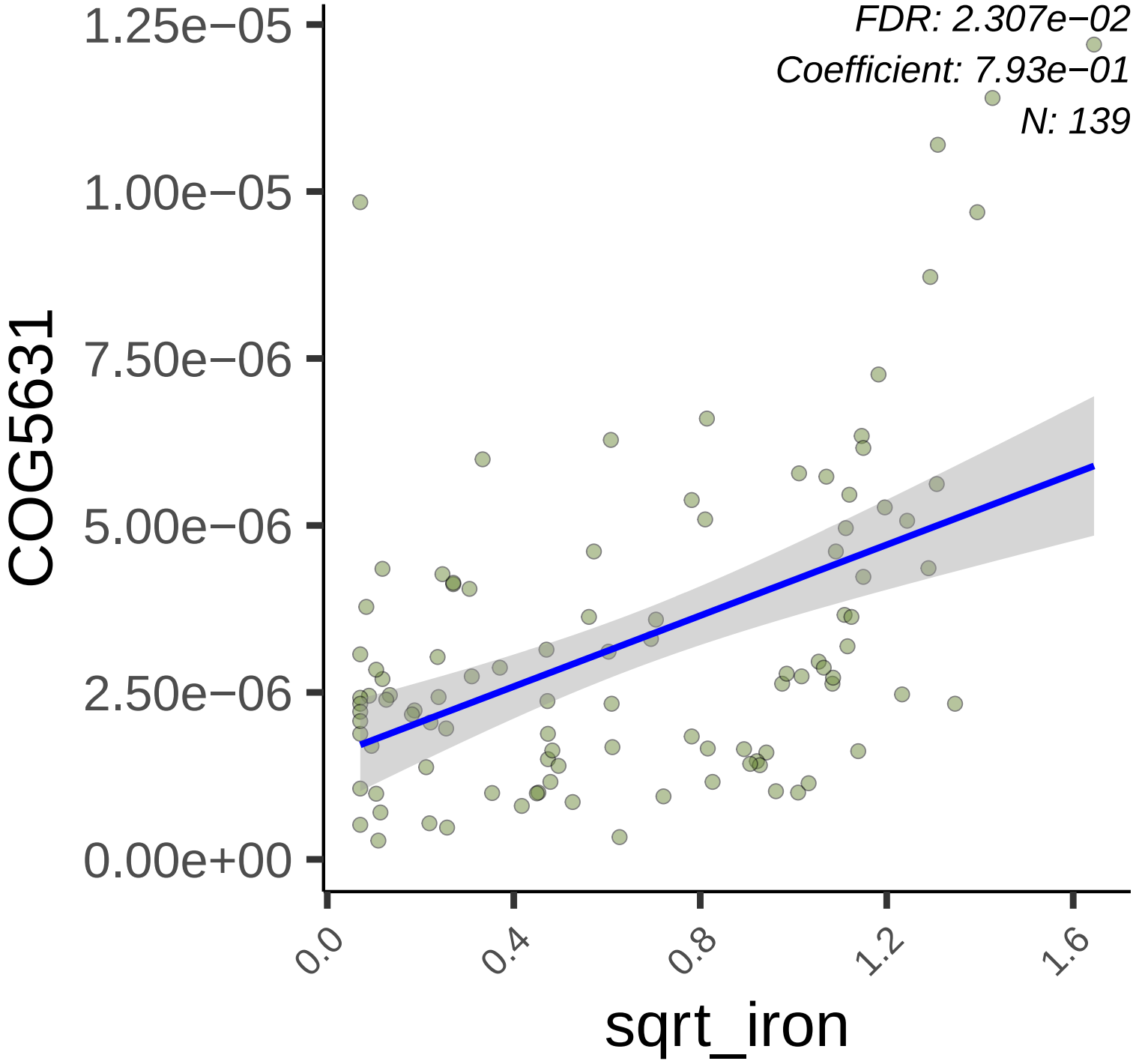
2e−05
1e−05
0e+00
COG3242
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.307e−02
Coefficient: 7.93e−01
N: 139
1.25e−05
1.00e−05
7.50e−06
5.00e−06
2.50e−06
0.00e+00
COG5631
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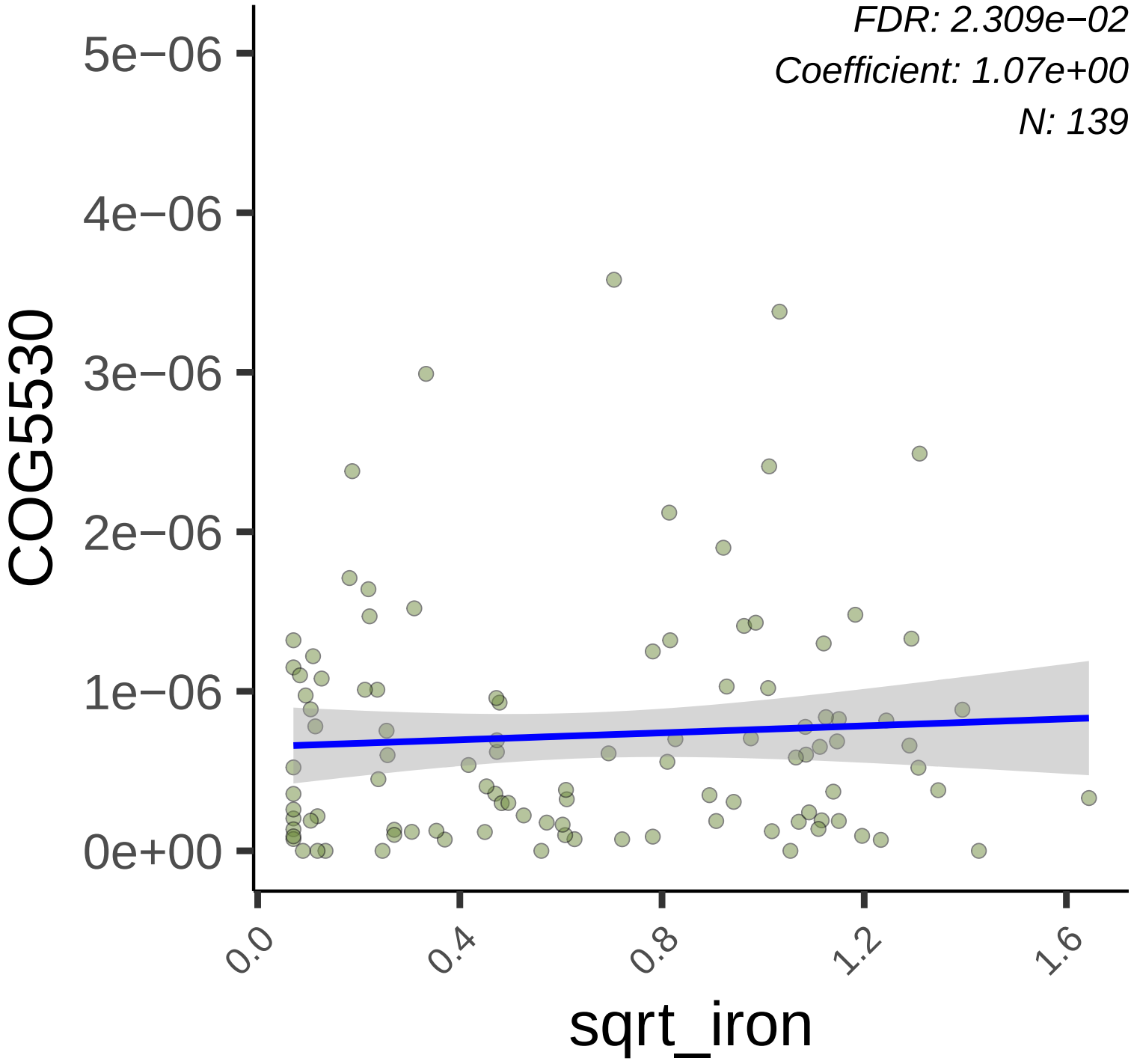
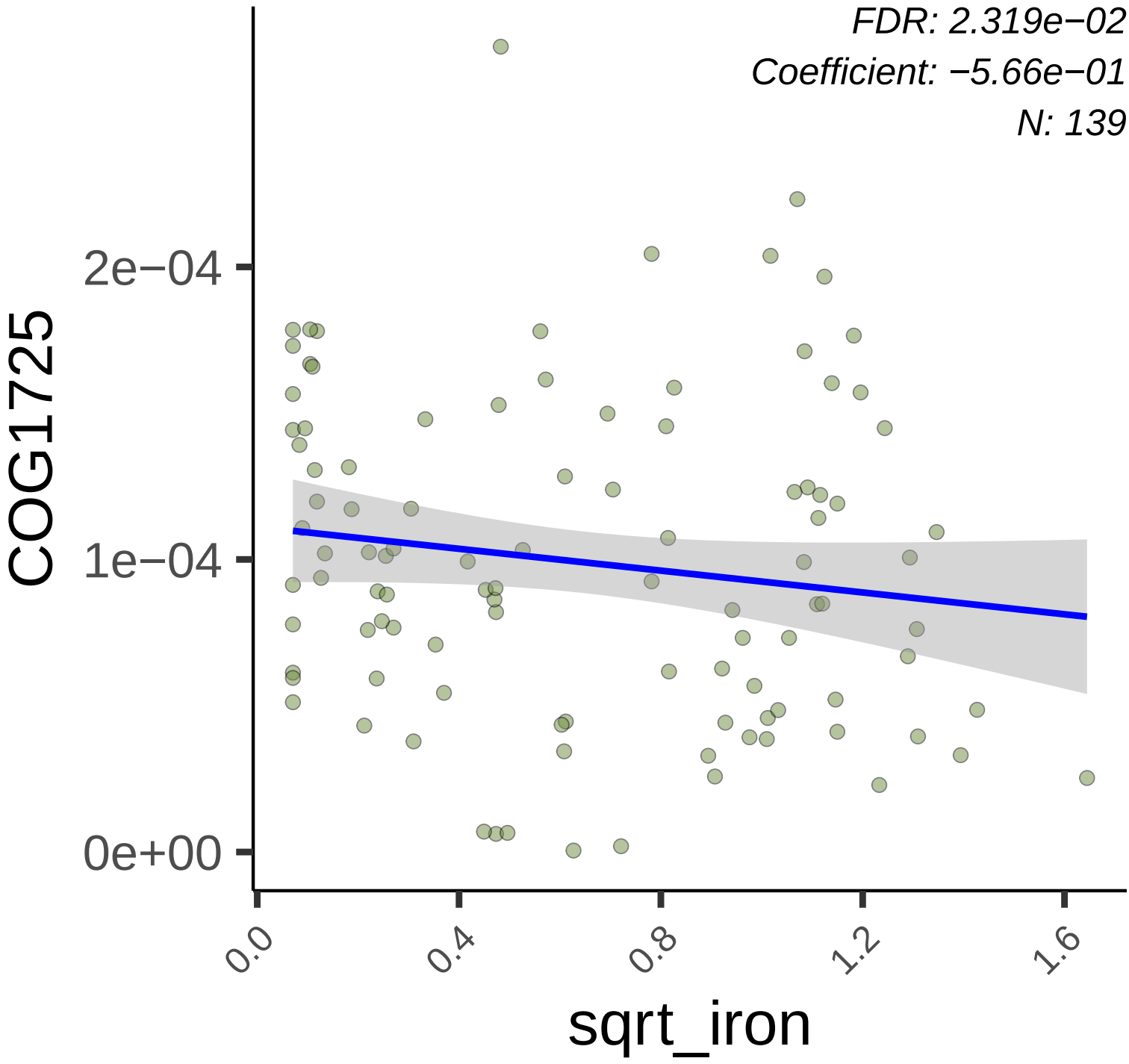
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.309e−02
Coefficient: 1.07e+00
N: 139
COG5530
5e−06
4e−06
3e−06
2e−06
1e−06
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.319e−02
Coefficient: −5.66e−01
N: 139
COG1725
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1e−04
0e+00
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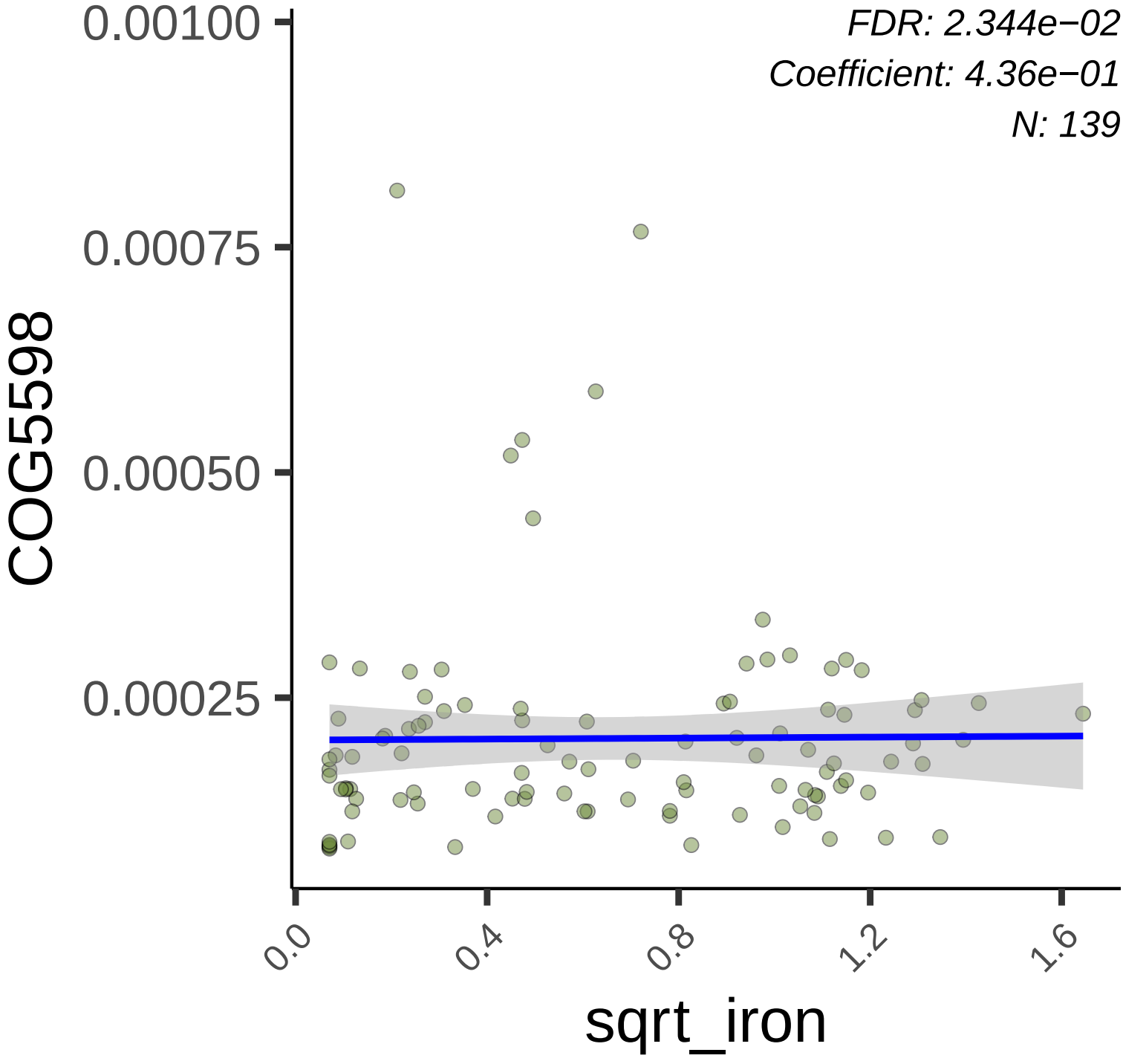
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.344e−02
Coefficient: 4.36e−01
N: 139
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0.00075
0.00050
0.00025
COG5598
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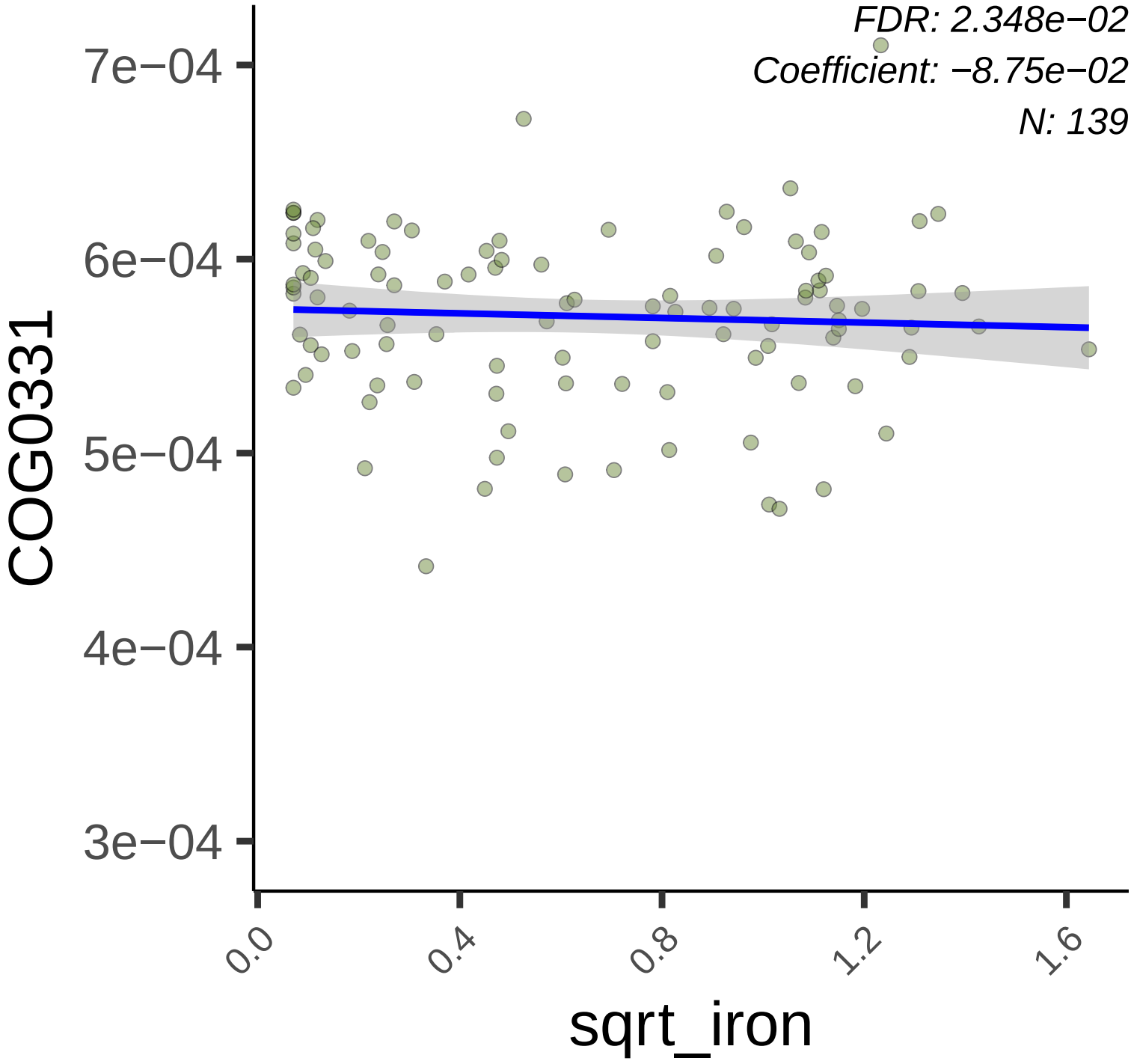
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.348e−02
Coefficient: −8.75e−02
N: 139
7e−04
6e−04
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4e−04
3e−04
COG0331
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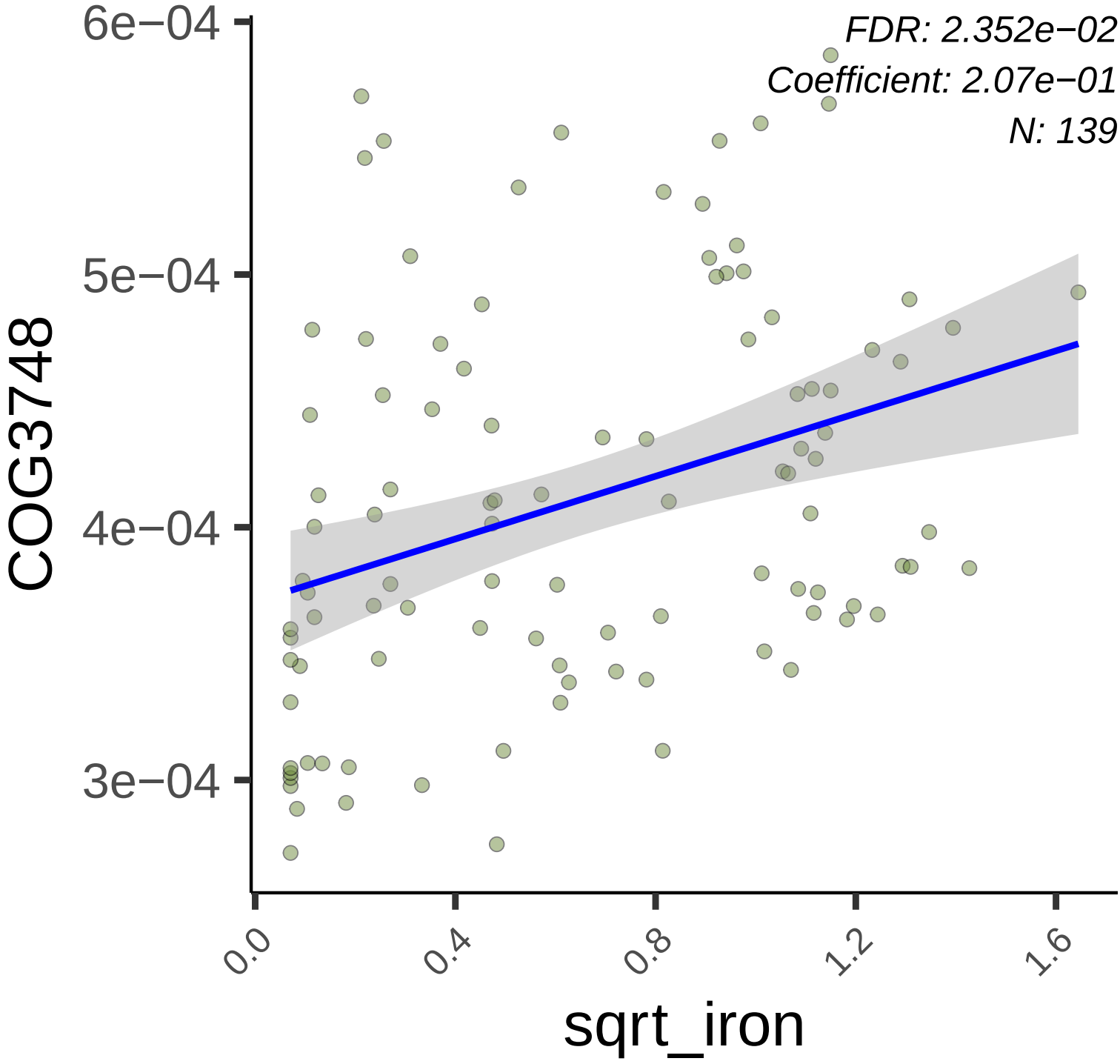
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.352e−02
Coefficient: 2.07e−01
N: 139
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5e−04
4e−04
3e−04
COG3748
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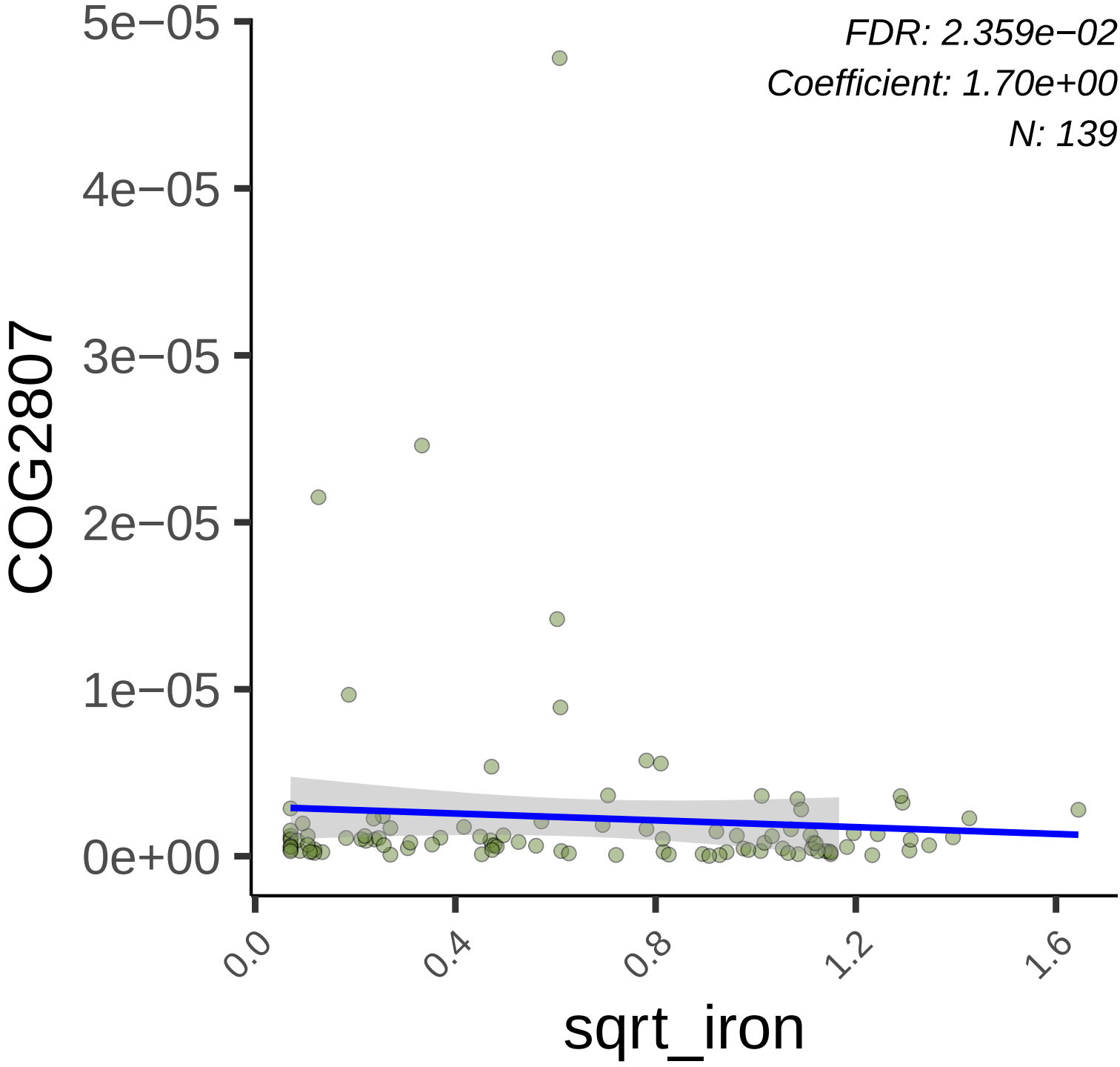
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.359e−02
Coefficient: 1.70e+00
N: 139
COG2807
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4e−05
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2e−05
1e−05
0e+00
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0.4
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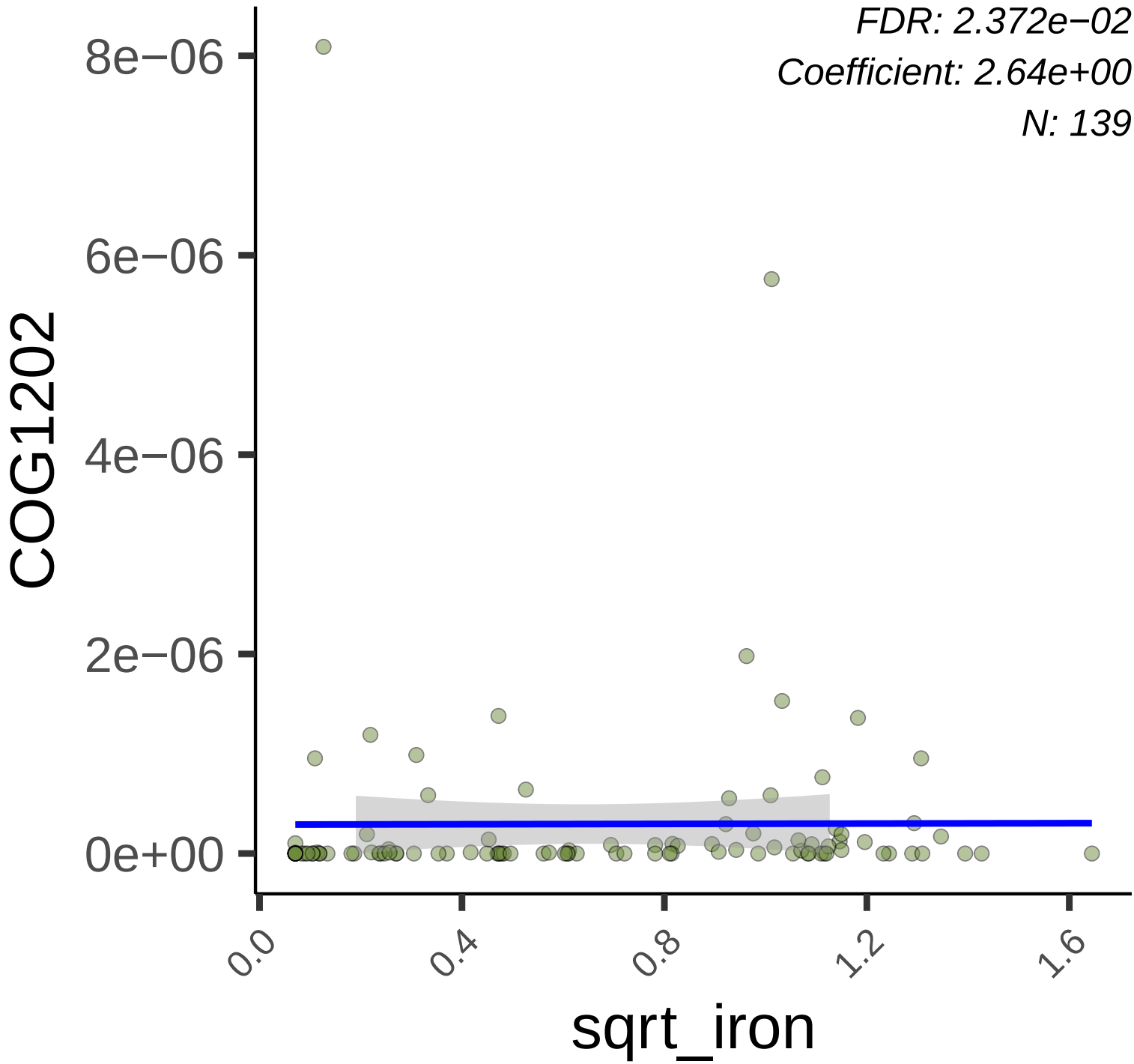
1.2
1.6
sqrt_iron


FDR: 2.372e−02
Coefficient: 2.64e+00
N: 139
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6e−06
4e−06
2e−06
0e+00
COG1202
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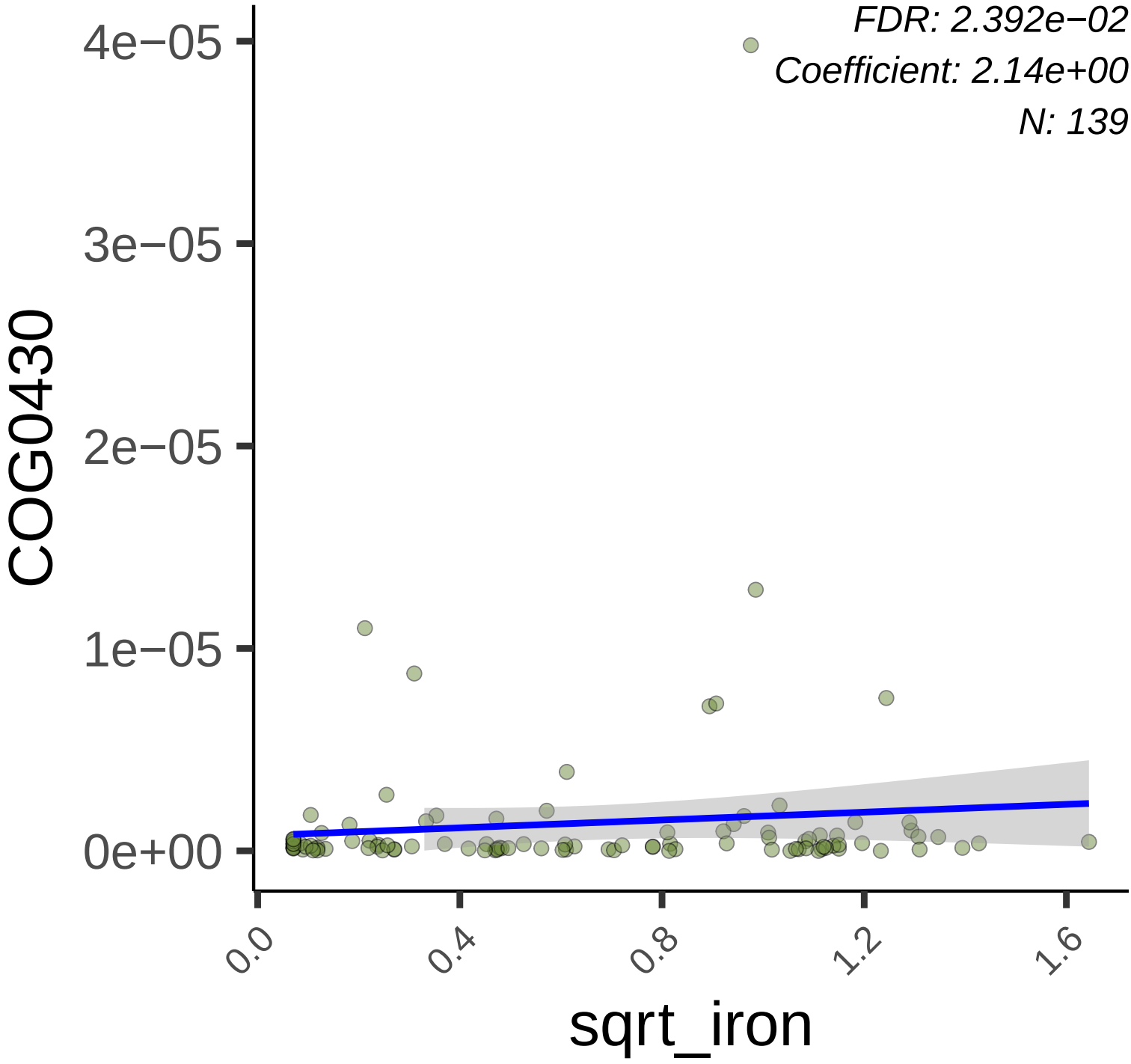
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.392e−02
Coefficient: 2.14e+00
N: 139
COG0430
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2e−05
1e−05
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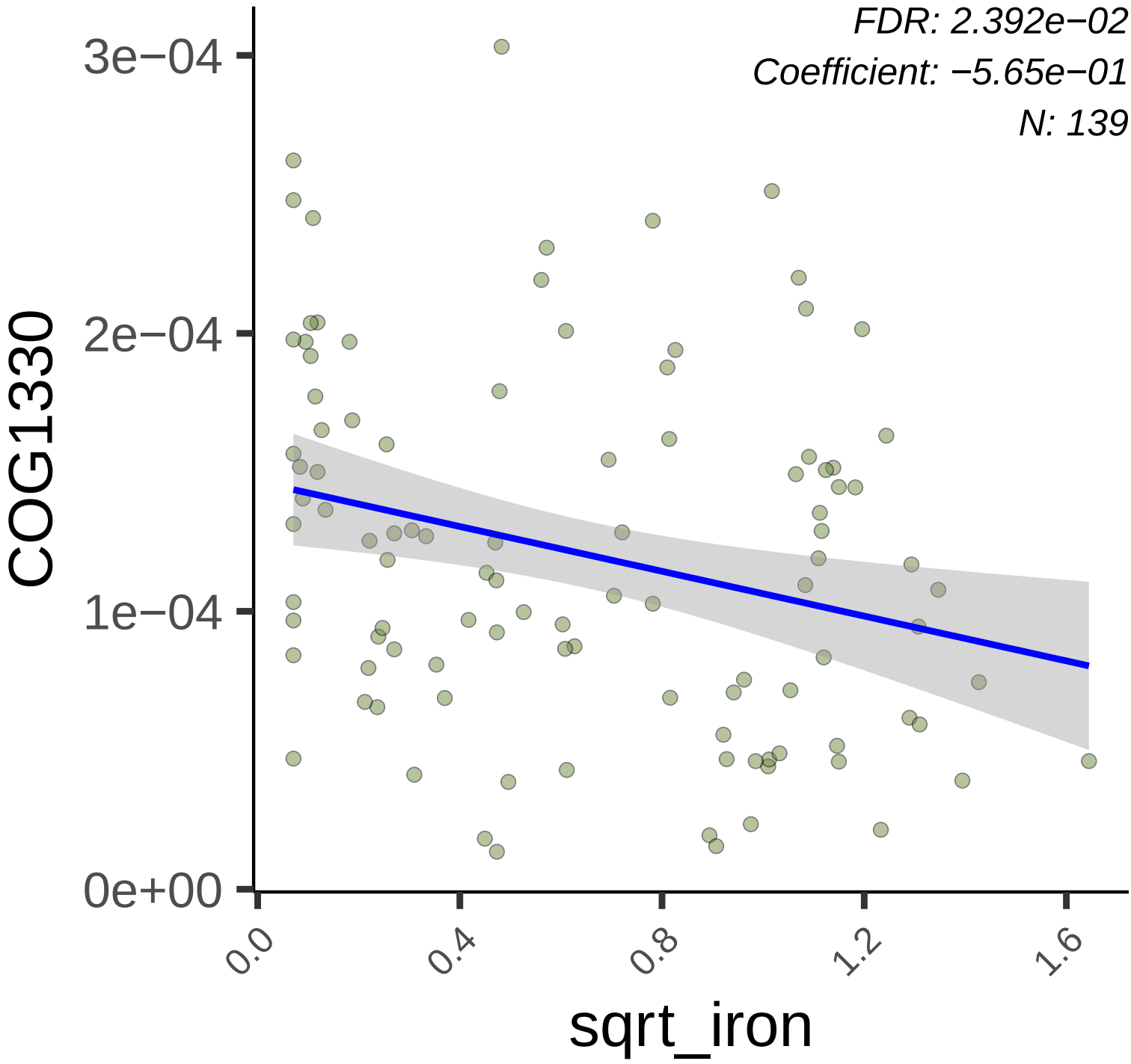
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.392e−02
Coefficient: −5.65e−01
N: 139
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COG1330
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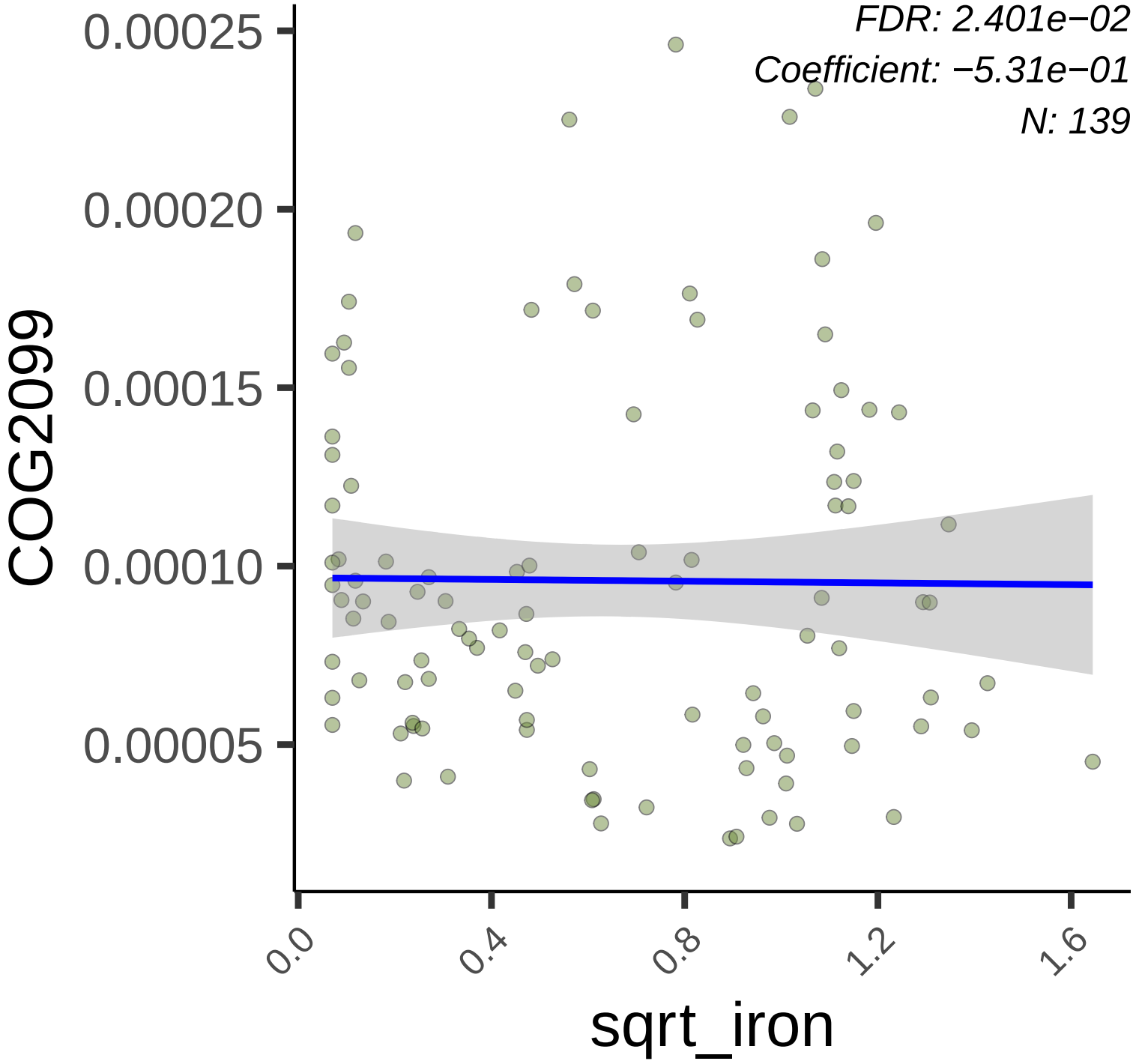
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.401e−02
Coefficient: −5.31e−01
N: 139
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COG2099
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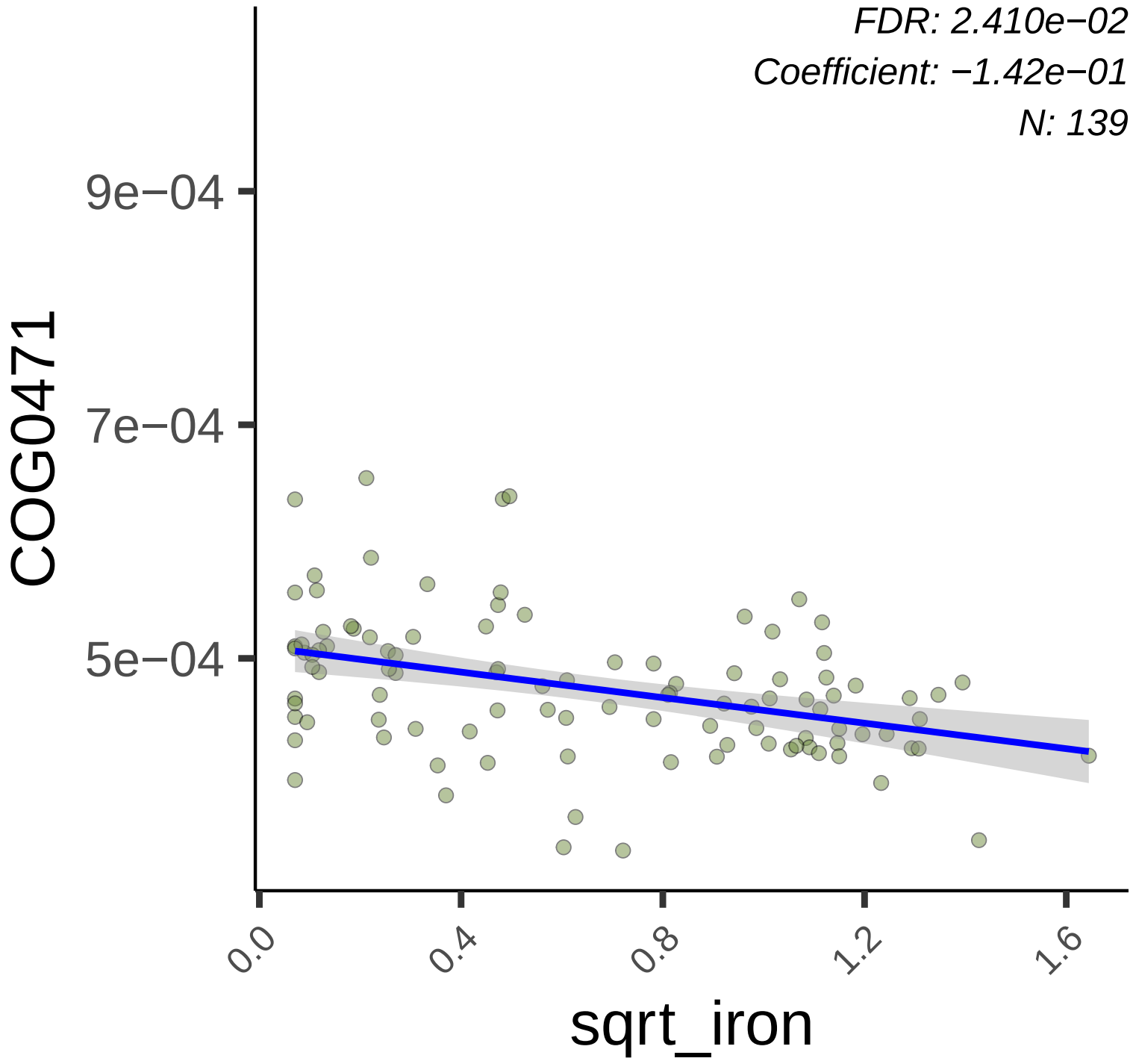
1.2
1.6
sqrt_iron


FDR: 2.410e−02
Coefficient: −1.42e−01
N: 139
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7e−04
5e−04
COG0471
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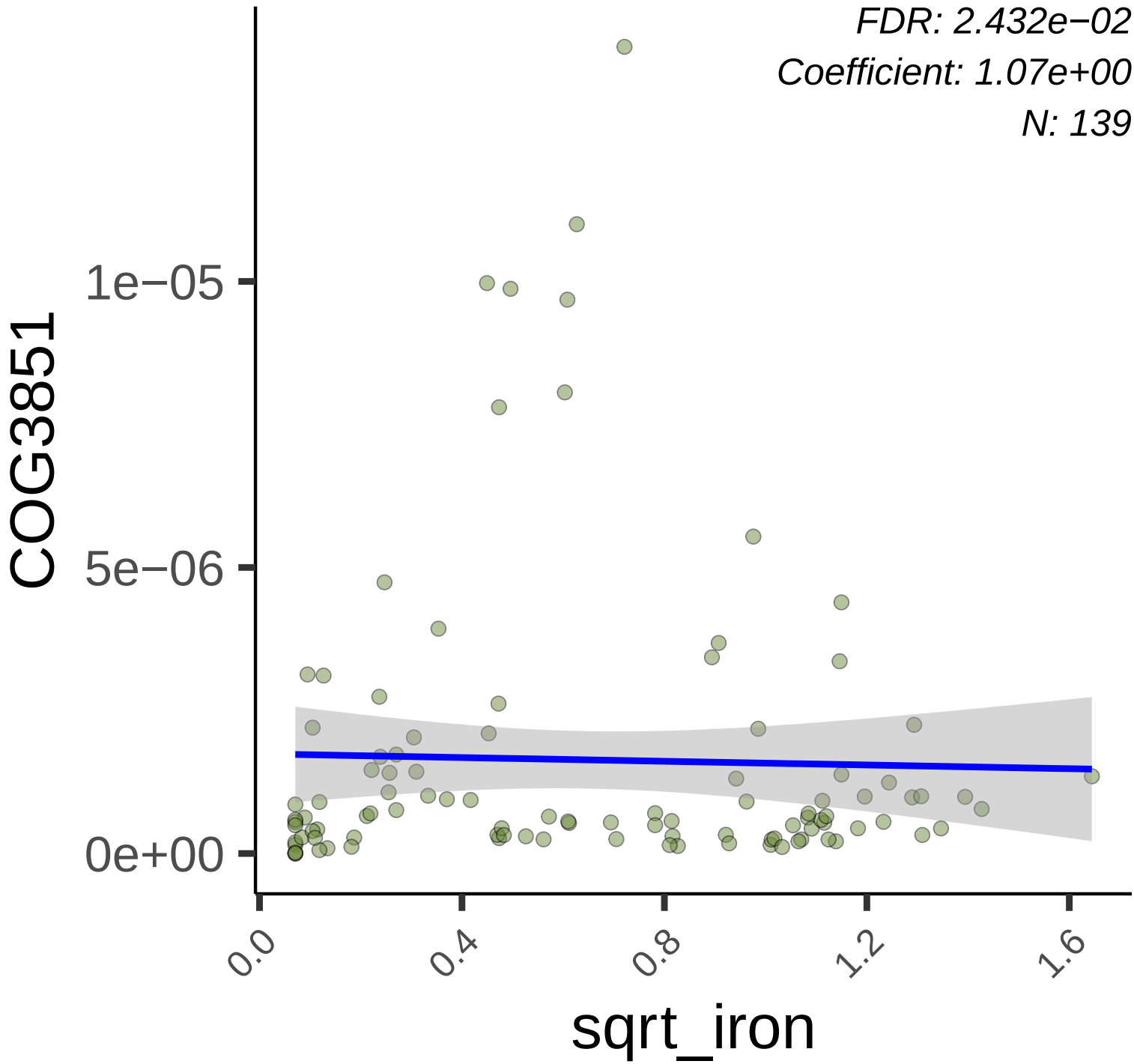
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.432e−02
Coefficient: 1.07e+00
N: 139
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5e−06
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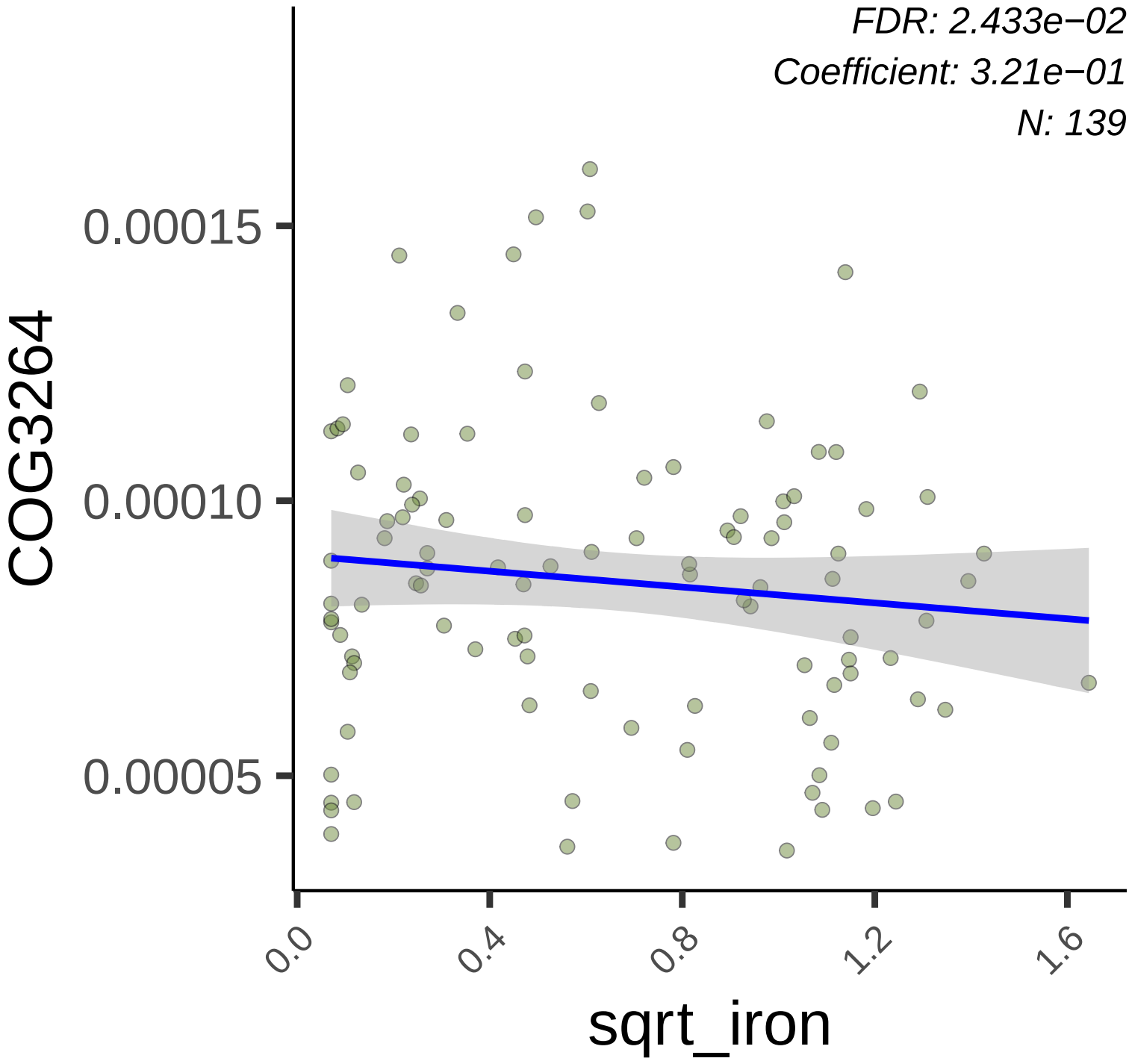
0.8
1.2
1.6
sqrt_iron


FDR: 2.433e−02
Coefficient: 3.21e−01
N: 139
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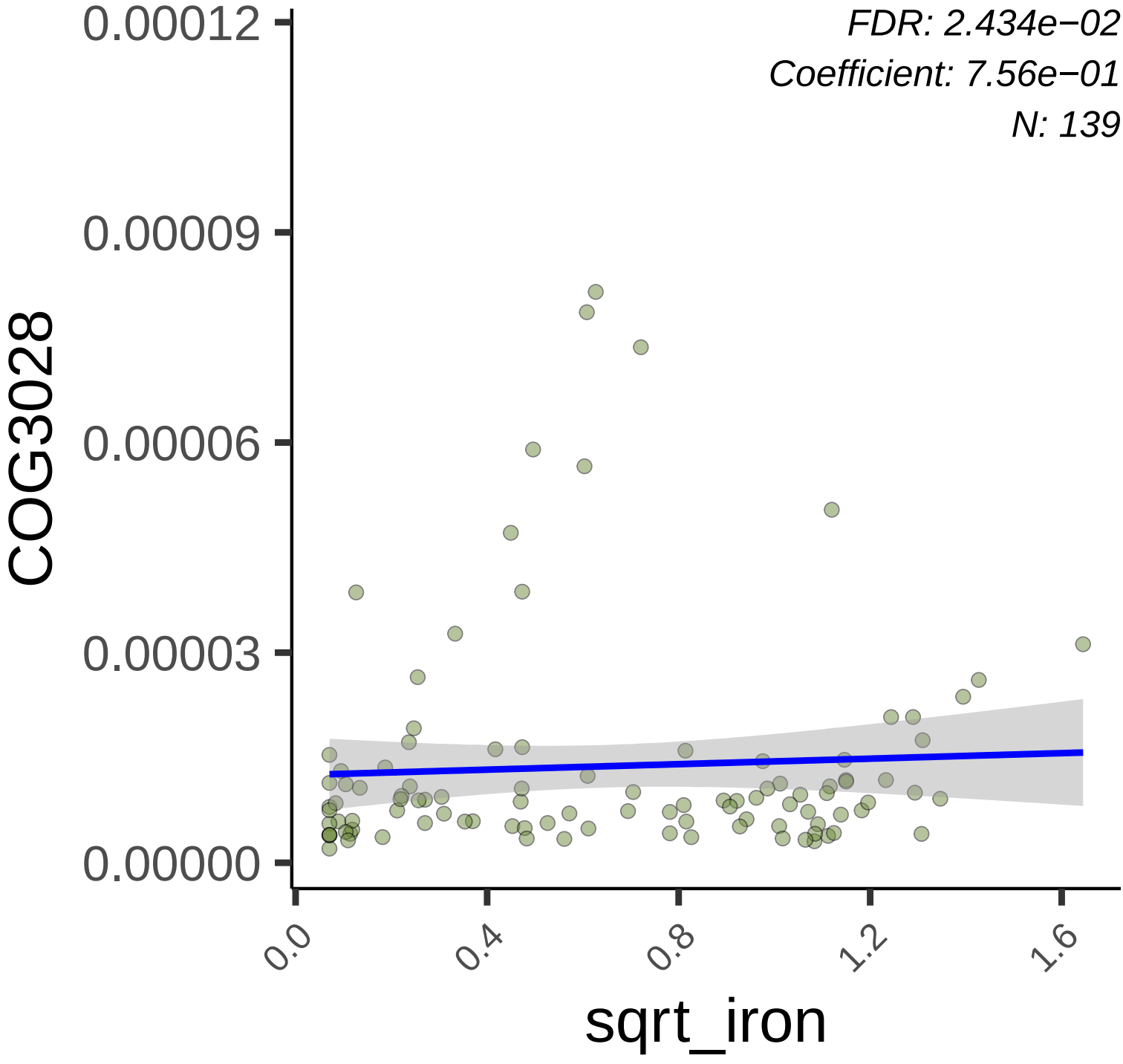
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.434e−02
Coefficient: 7.56e−01
N: 139
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COG3028
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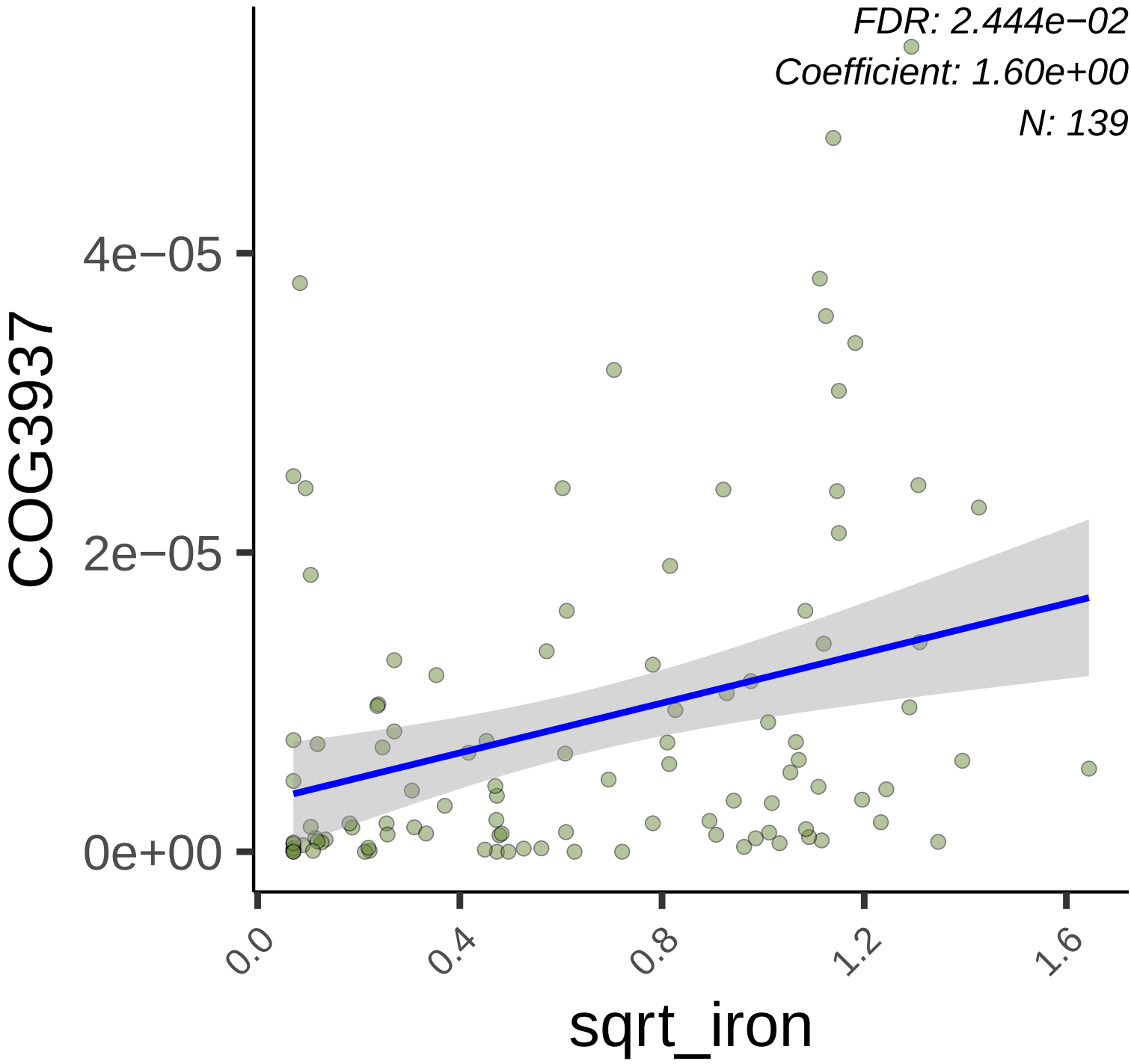
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.444e−02
Coefficient: 1.60e+00
N: 139
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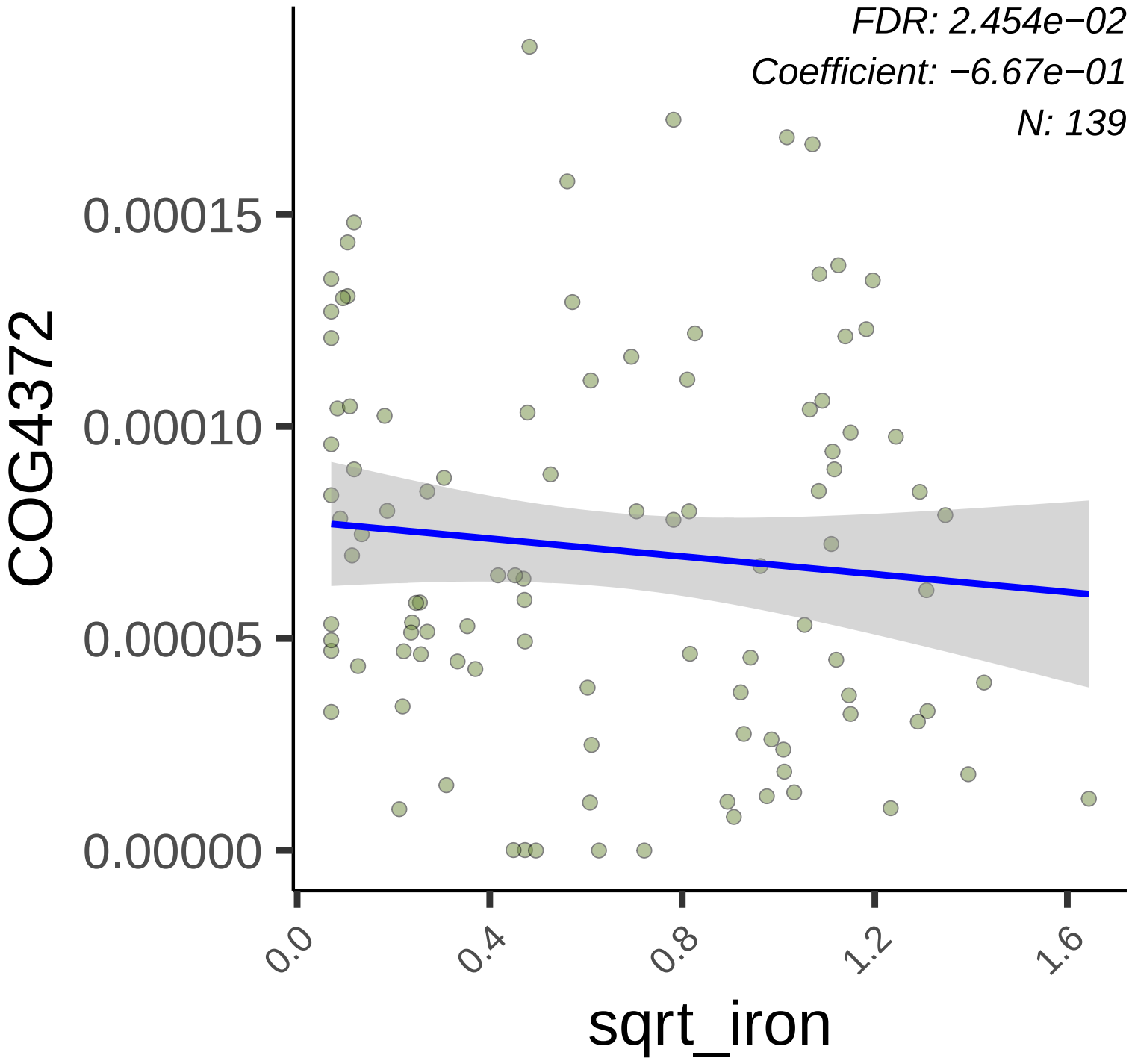
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.454e−02
Coefficient: −6.67e−01
N: 139
COG4372
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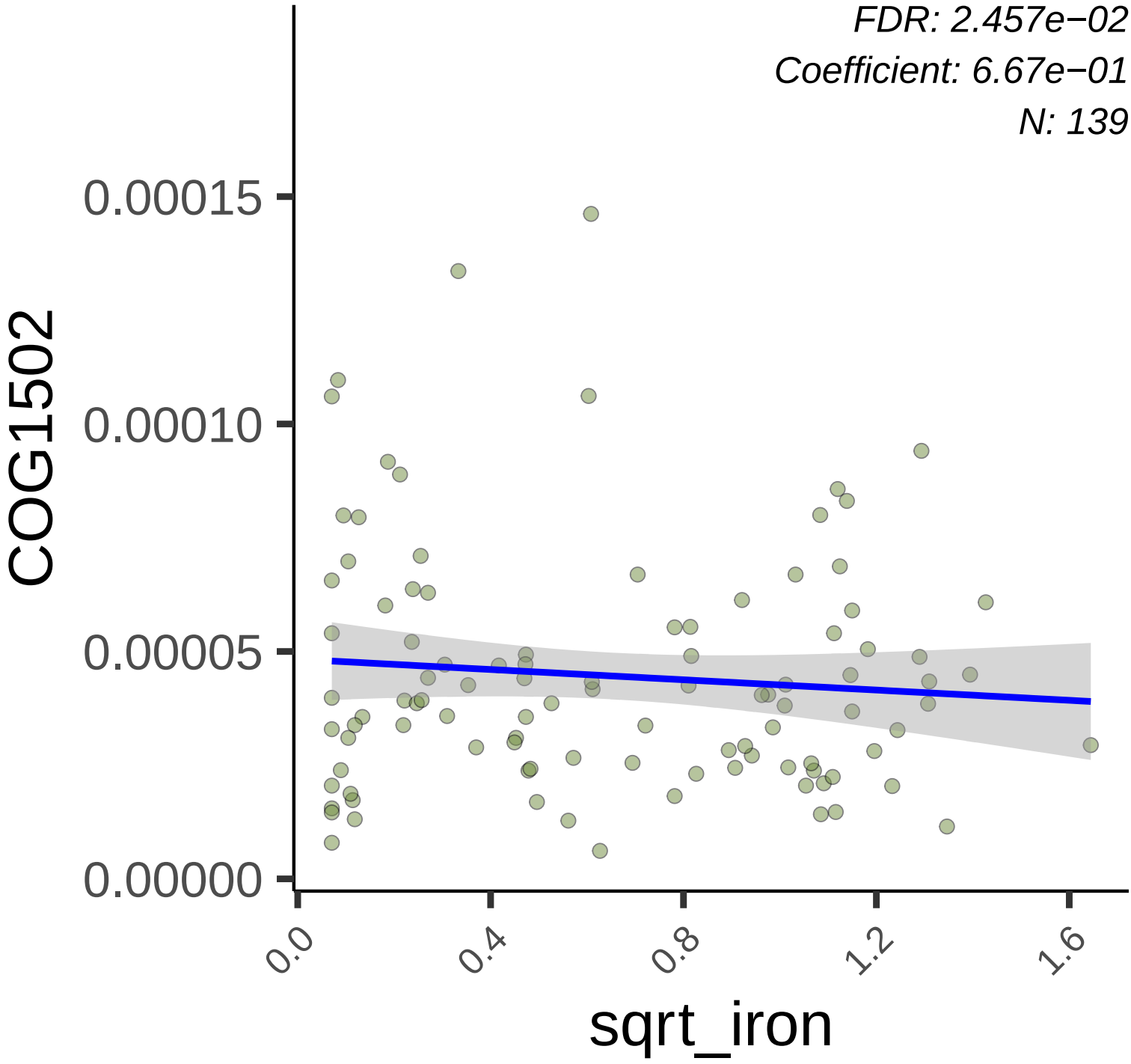
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.457e−02
Coefficient: 6.67e−01
N: 139
COG1502
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0.4
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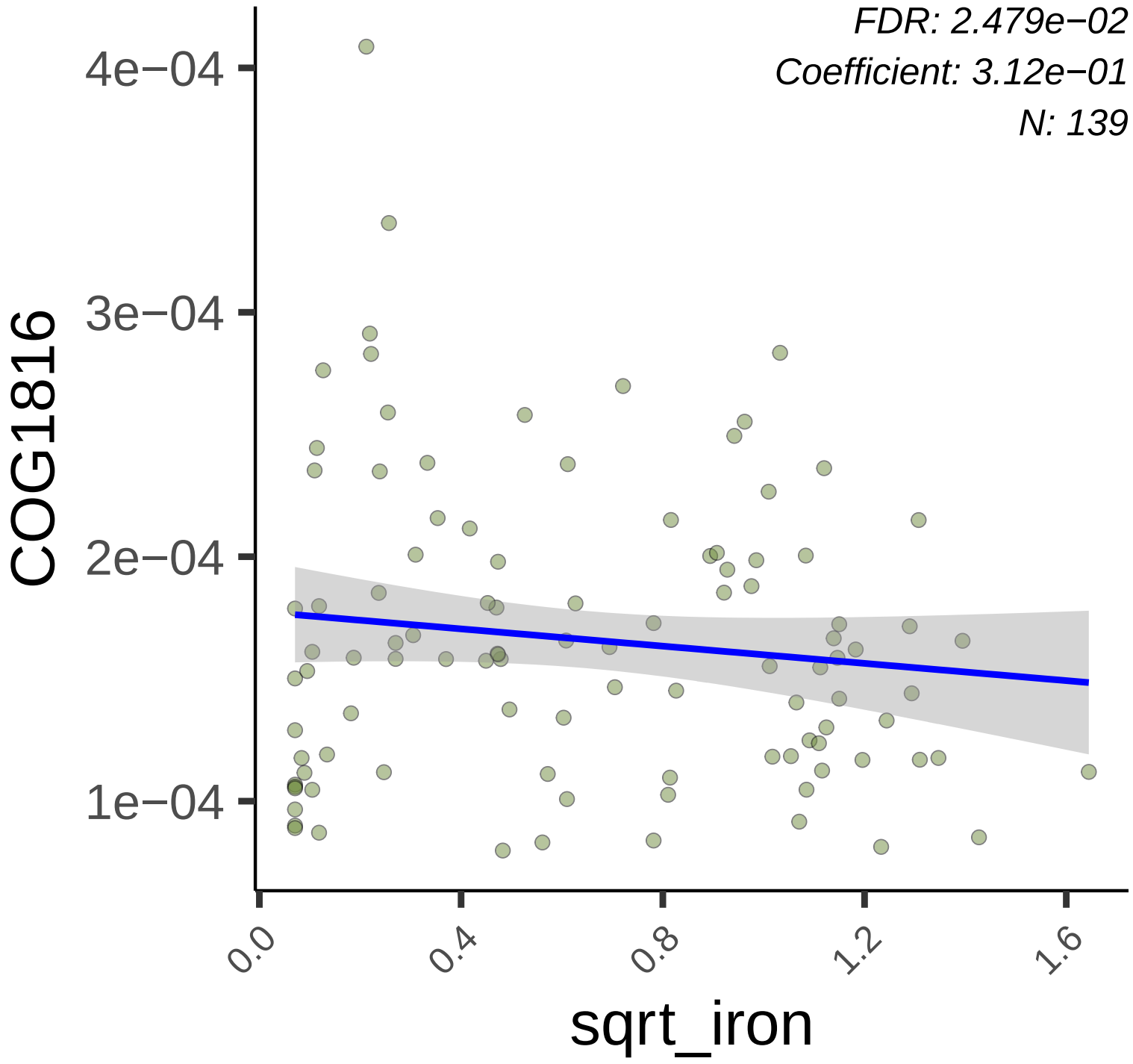
1.6
sqrt_iron


FDR: 2.479e−02
Coefficient: 3.12e−01
N: 139
COG1816
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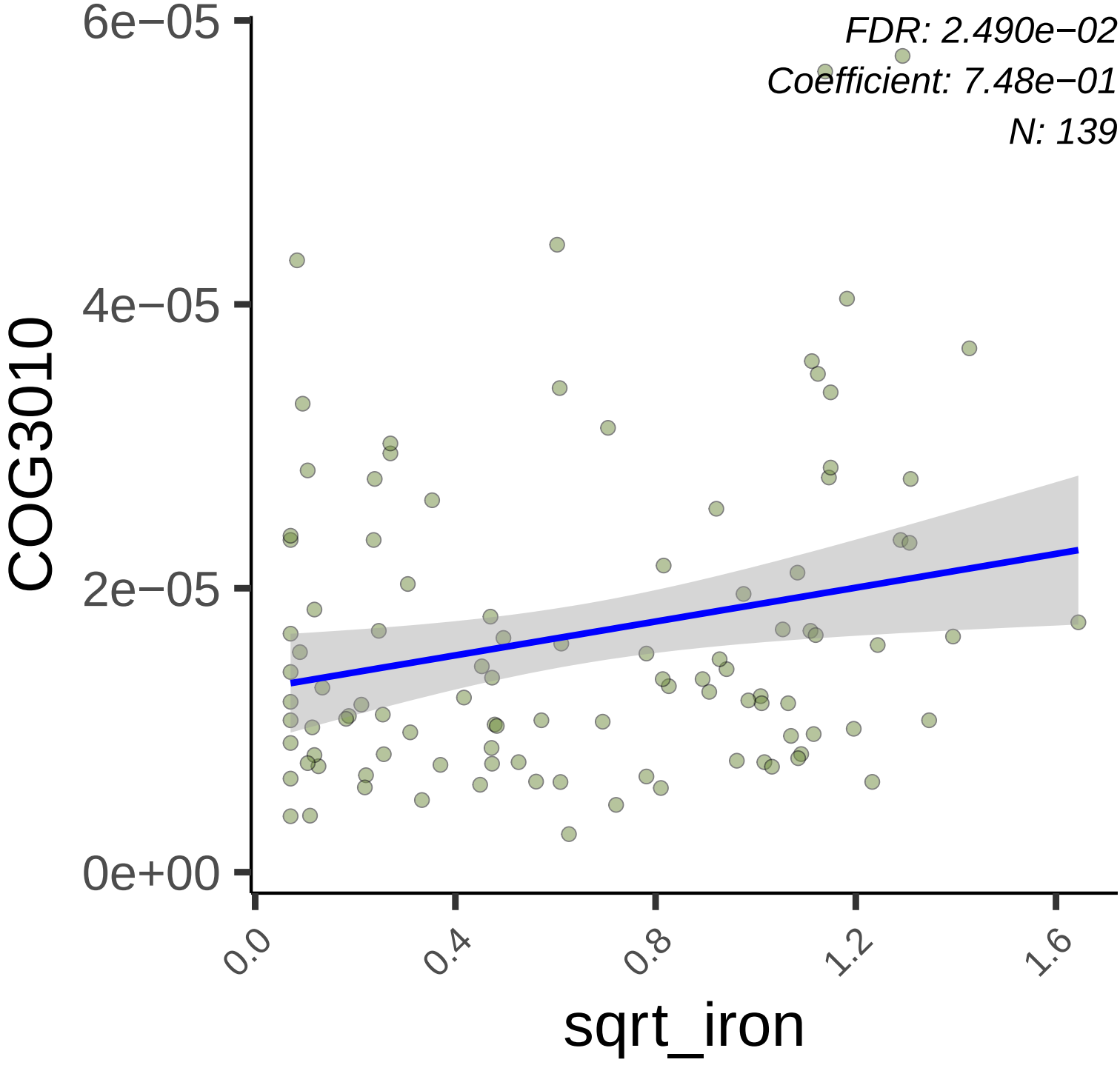
sqrt_iron


FDR: 2.490e−02
Coefficient: 7.48e−01
N: 139
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COG3010
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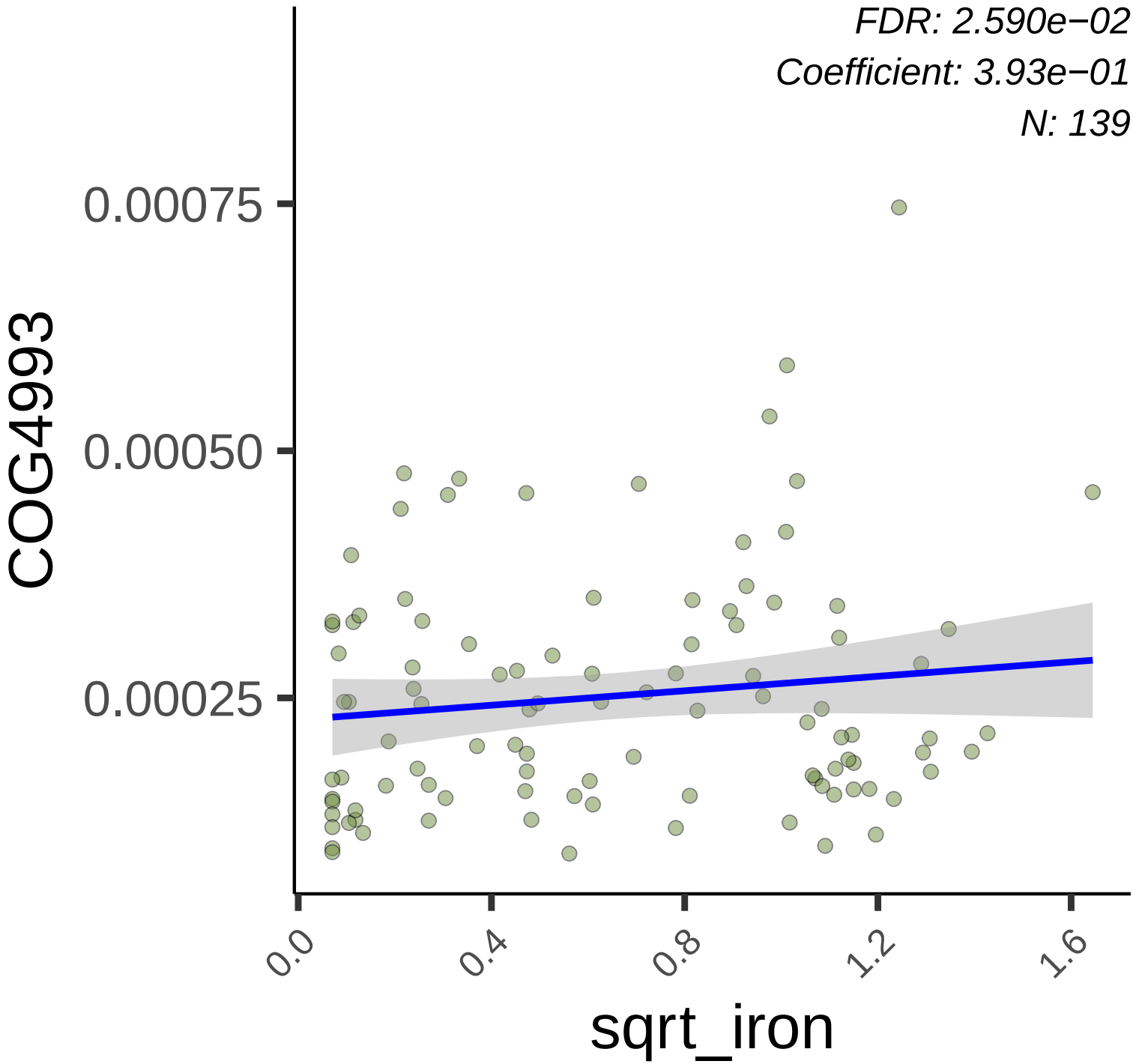
sqrt_iron


FDR: 2.590e−02
Coefficient: 3.93e−01
N: 139
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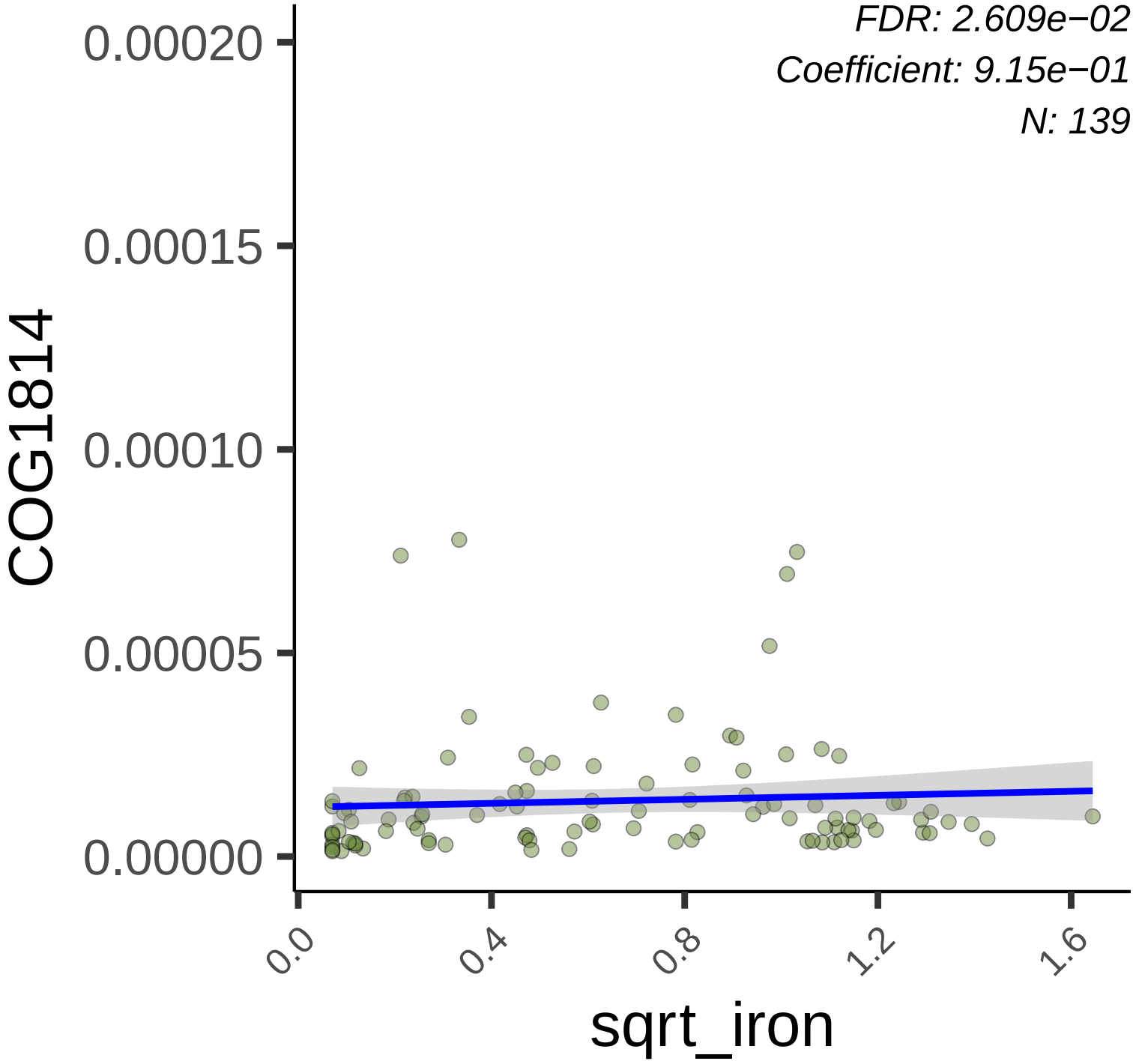
sqrt_iron


FDR: 2.609e−02
Coefficient: 9.15e−01
N: 139
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COG1814
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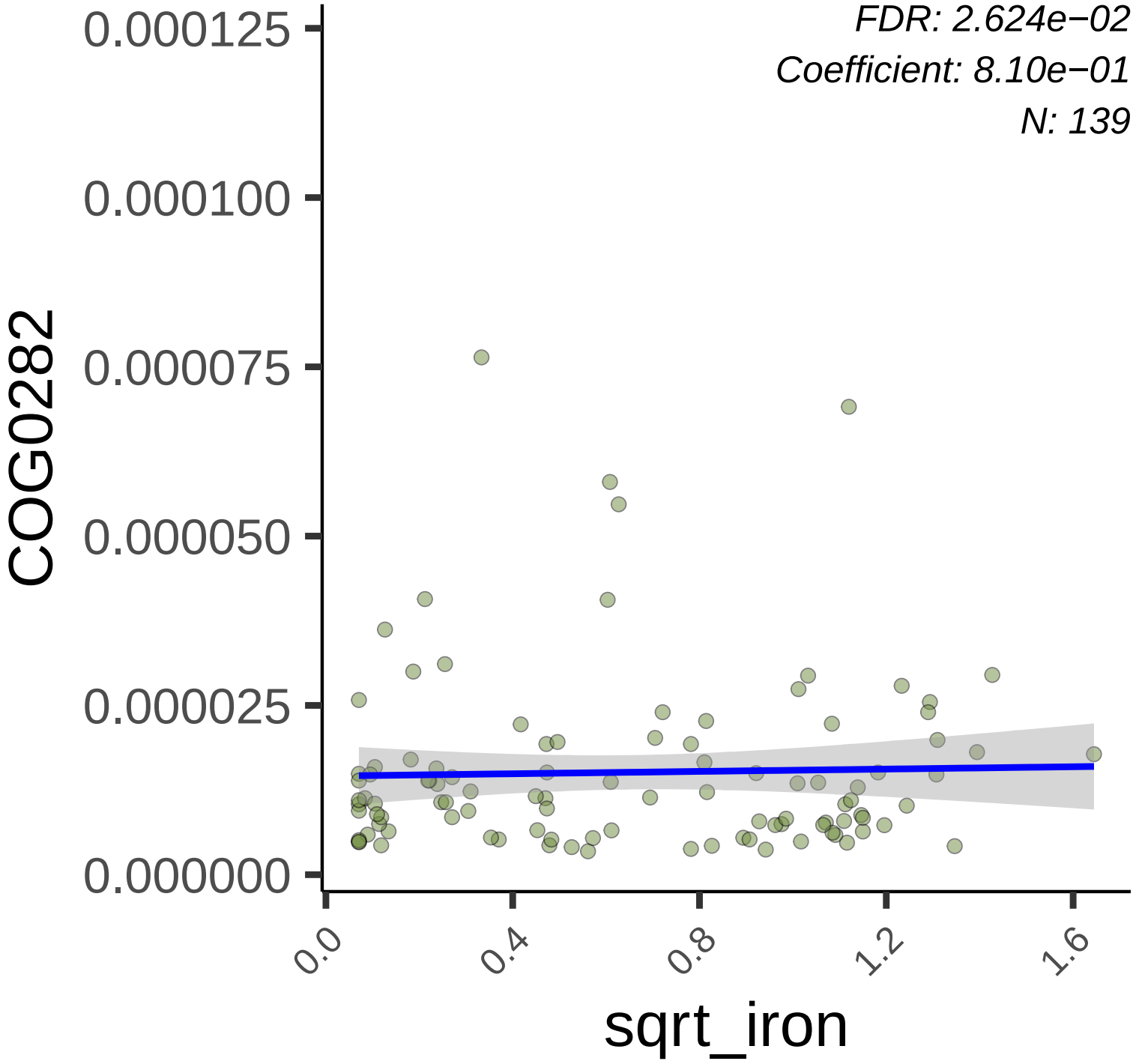
sqrt_iron


FDR: 2.624e−02
Coefficient: 8.10e−01
N: 139
COG0282
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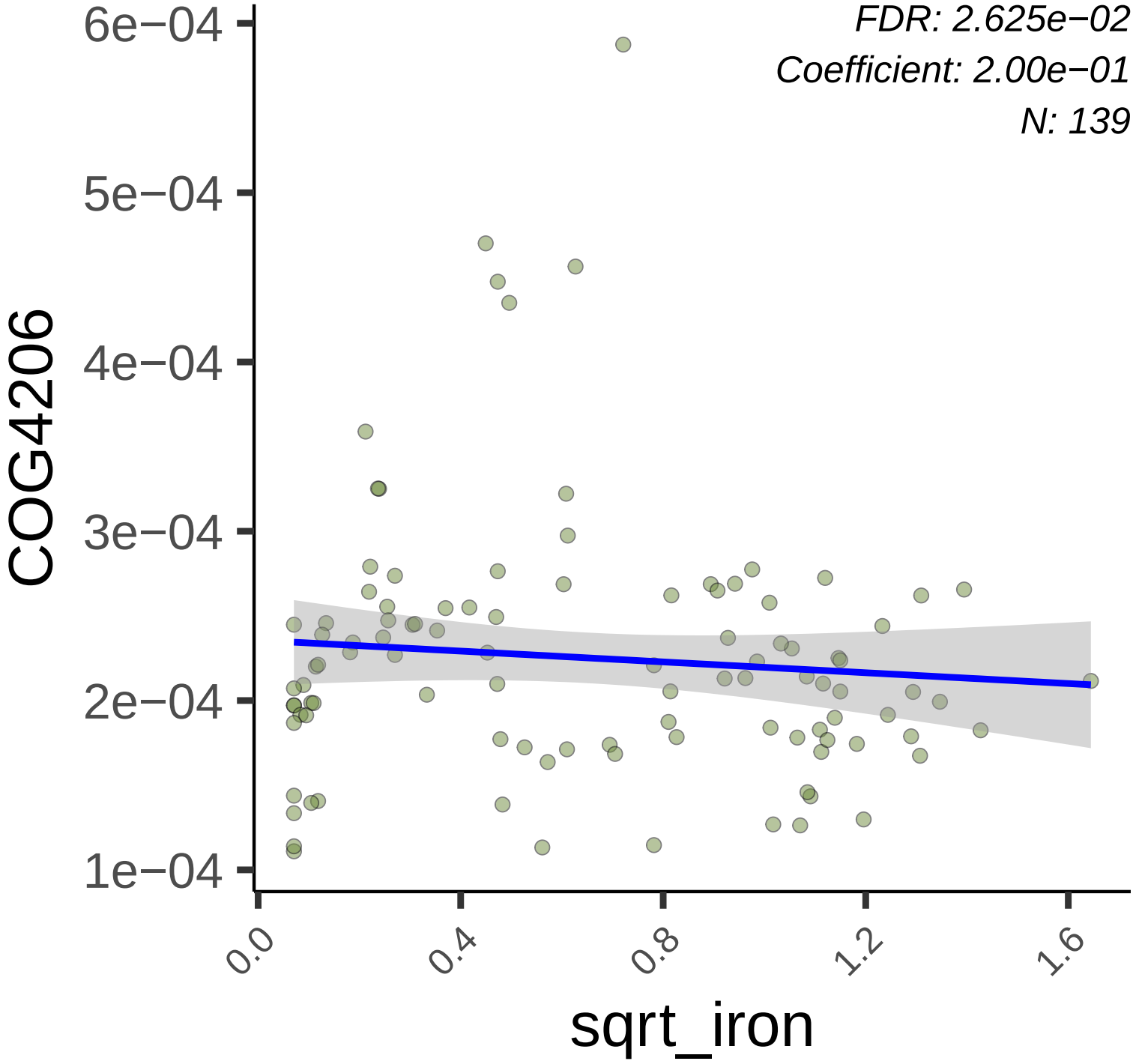
sqrt_iron


FDR: 2.625e−02
Coefficient: 2.00e−01
N: 139
COG4206
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0.4
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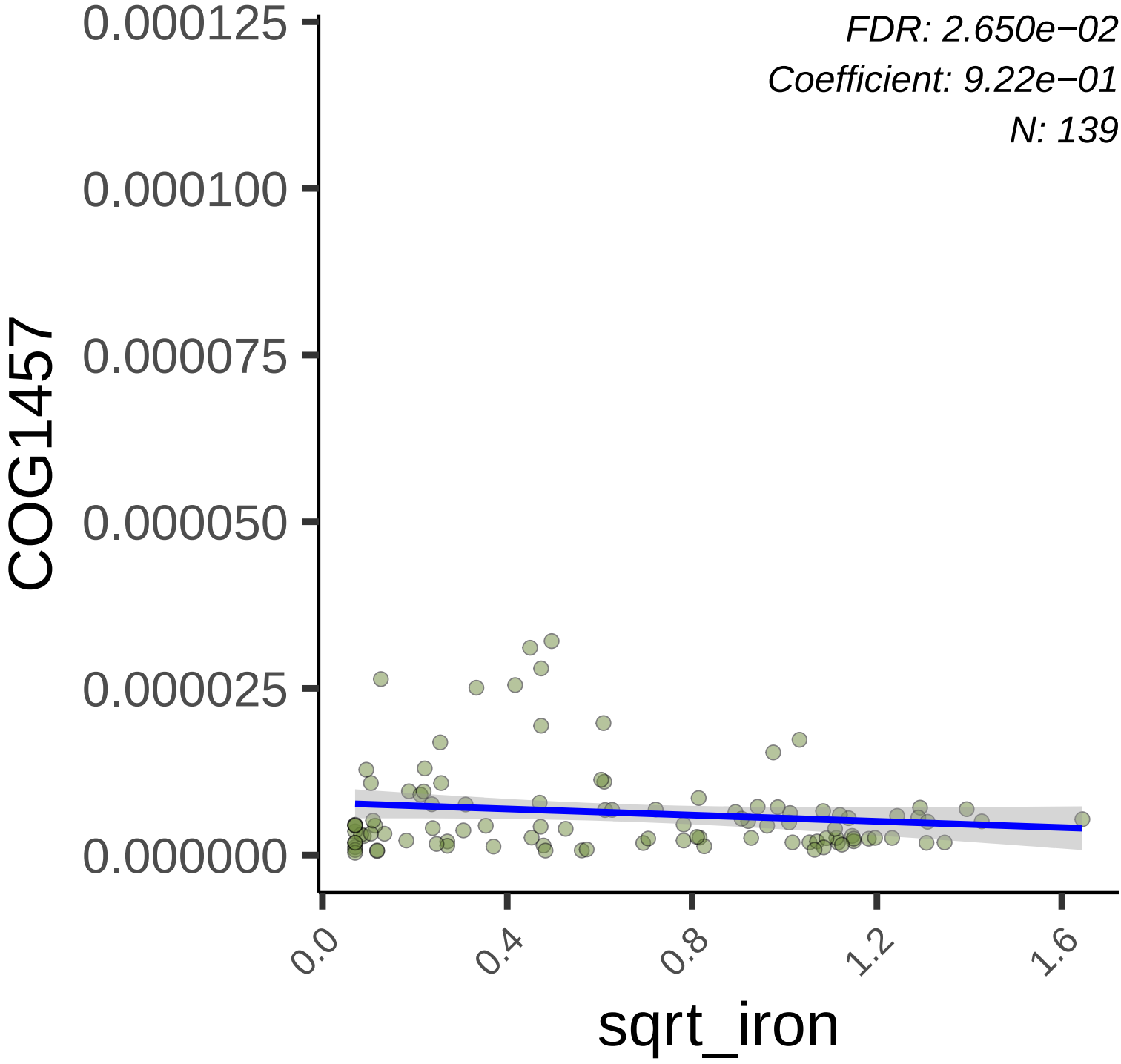
1.6
sqrt_iron


FDR: 2.650e−02
Coefficient: 9.22e−01
N: 139
COG1457
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0.000050
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0.4
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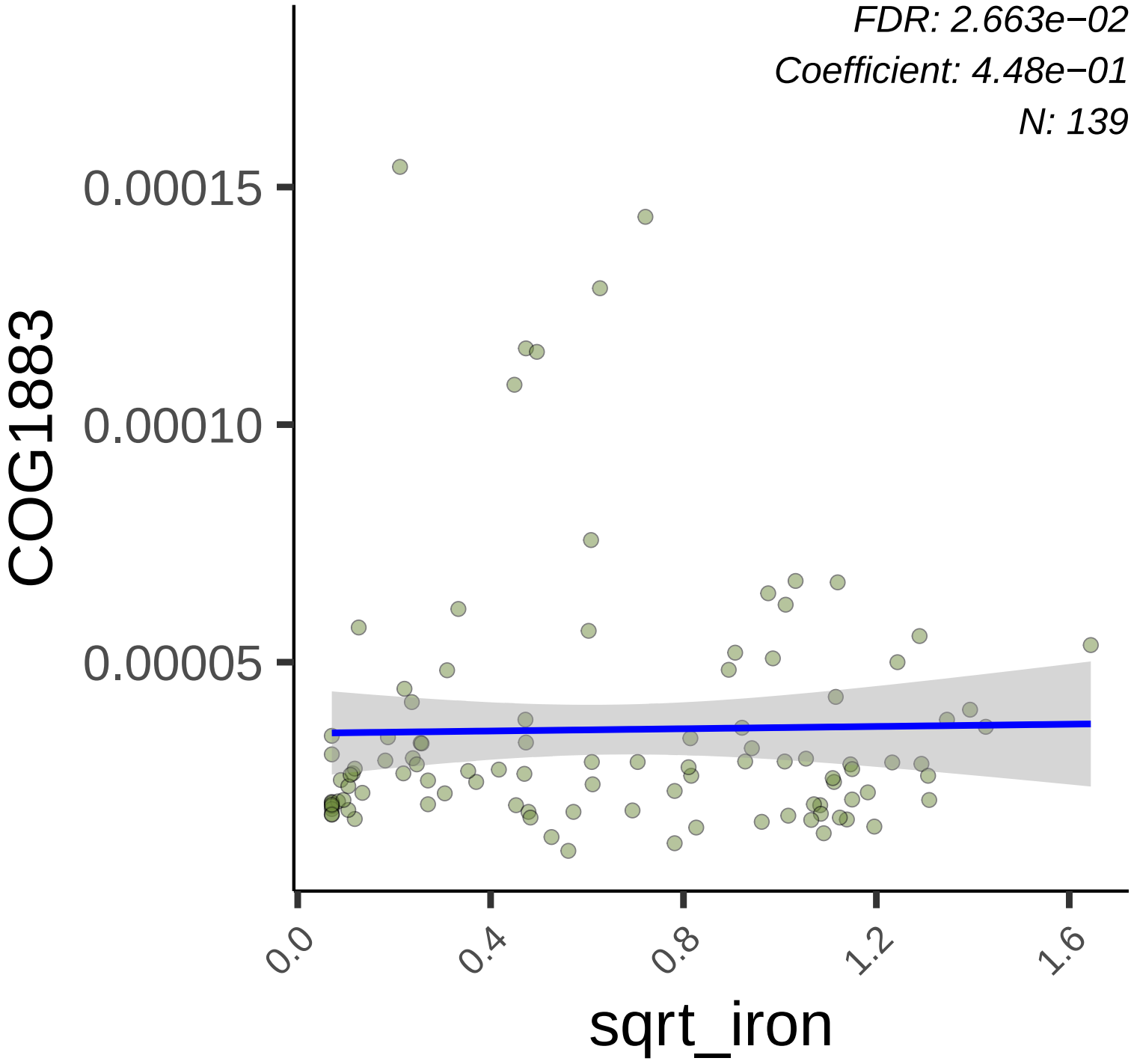
1.6
sqrt_iron


FDR: 2.663e−02
Coefficient: 4.48e−01
N: 139
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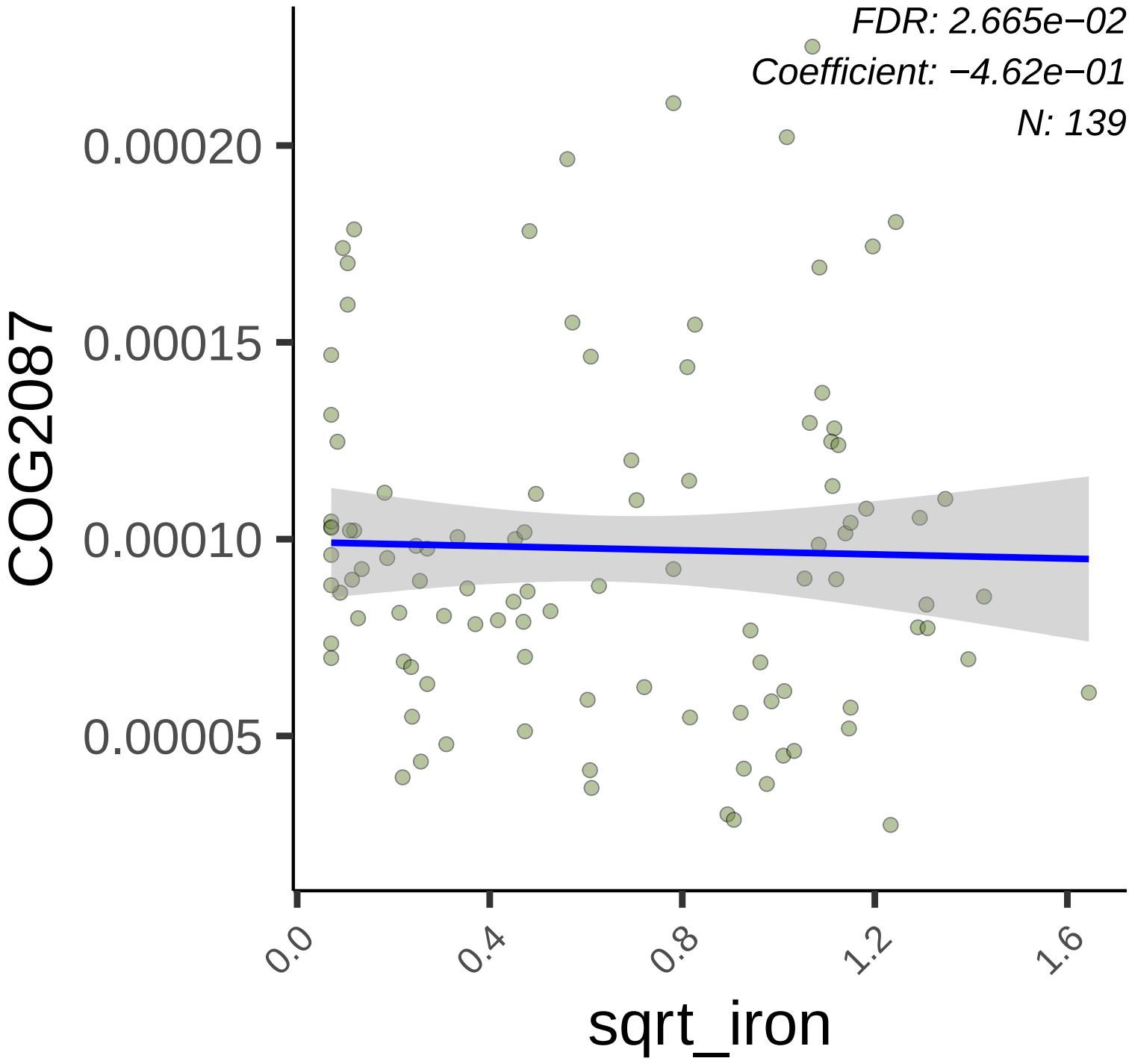
1.2
1.6
sqrt_iron


FDR: 2.665e−02
Coefficient: −4.62e−01
N: 139
COG2087
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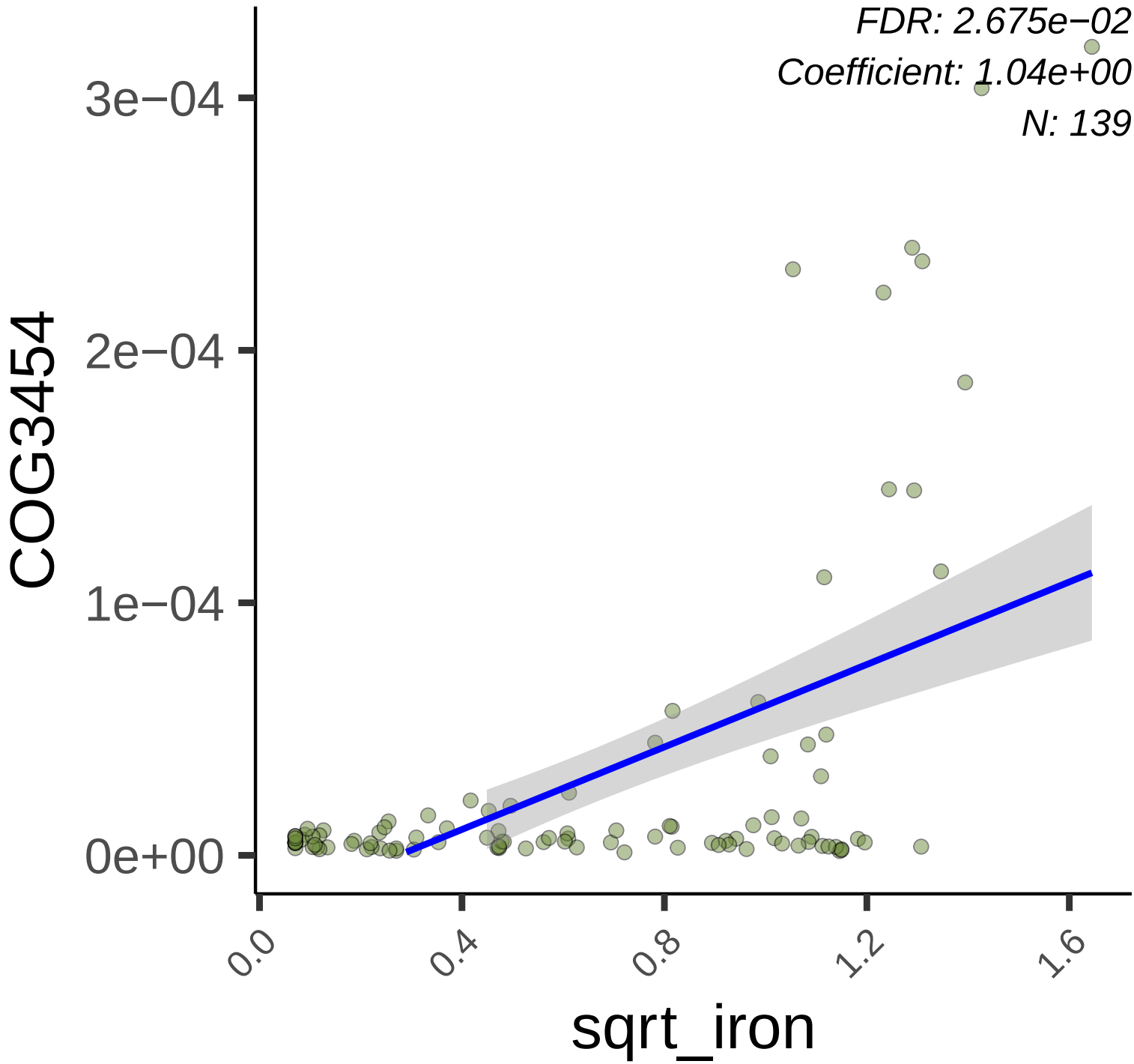
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.675e−02
Coefficient: 1.04e+00
N: 139
COG3454
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1e−04
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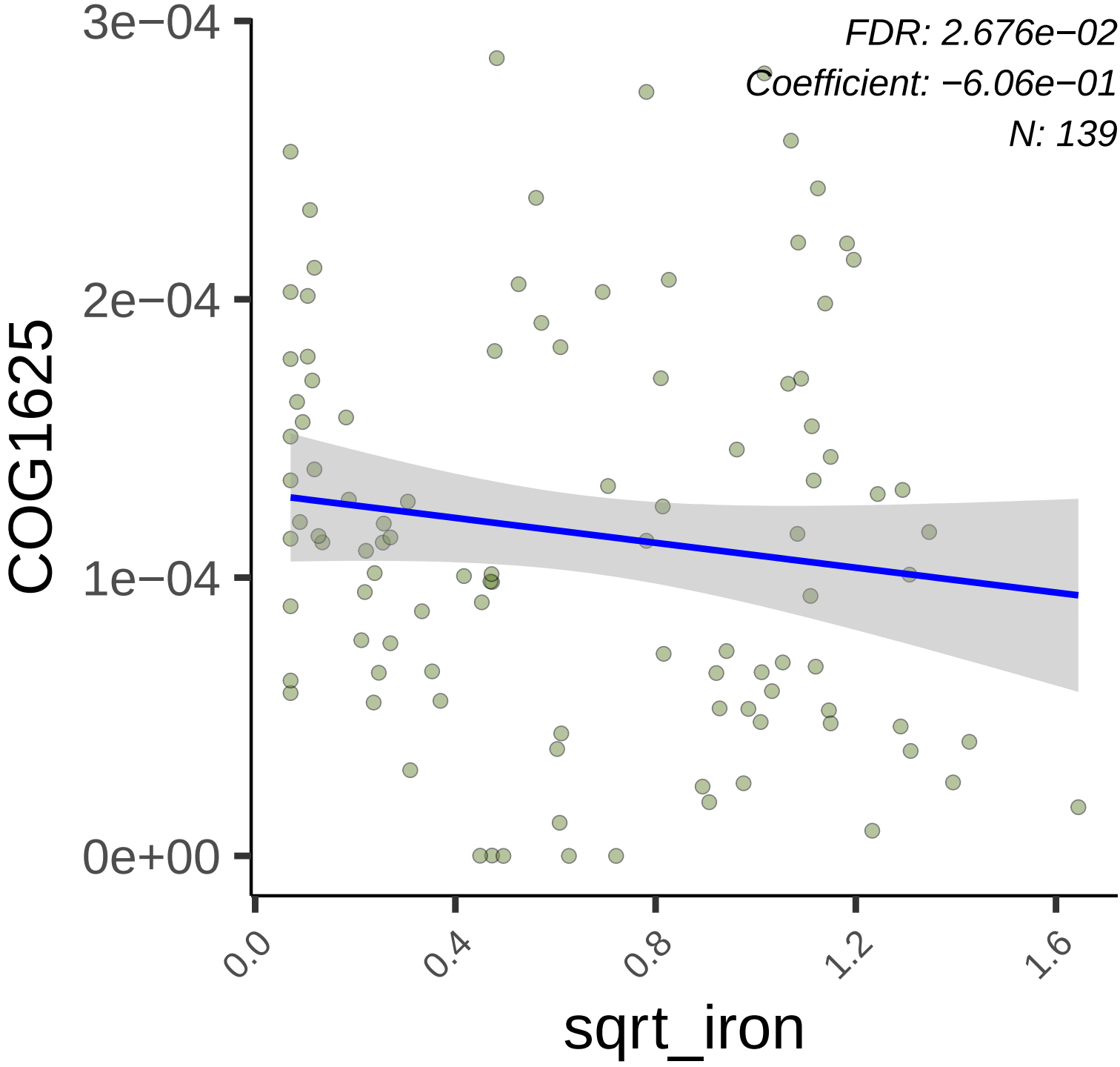
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.676e−02
Coefficient: −6.06e−01
N: 139
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2e−04
1e−04
0e+00
COG1625
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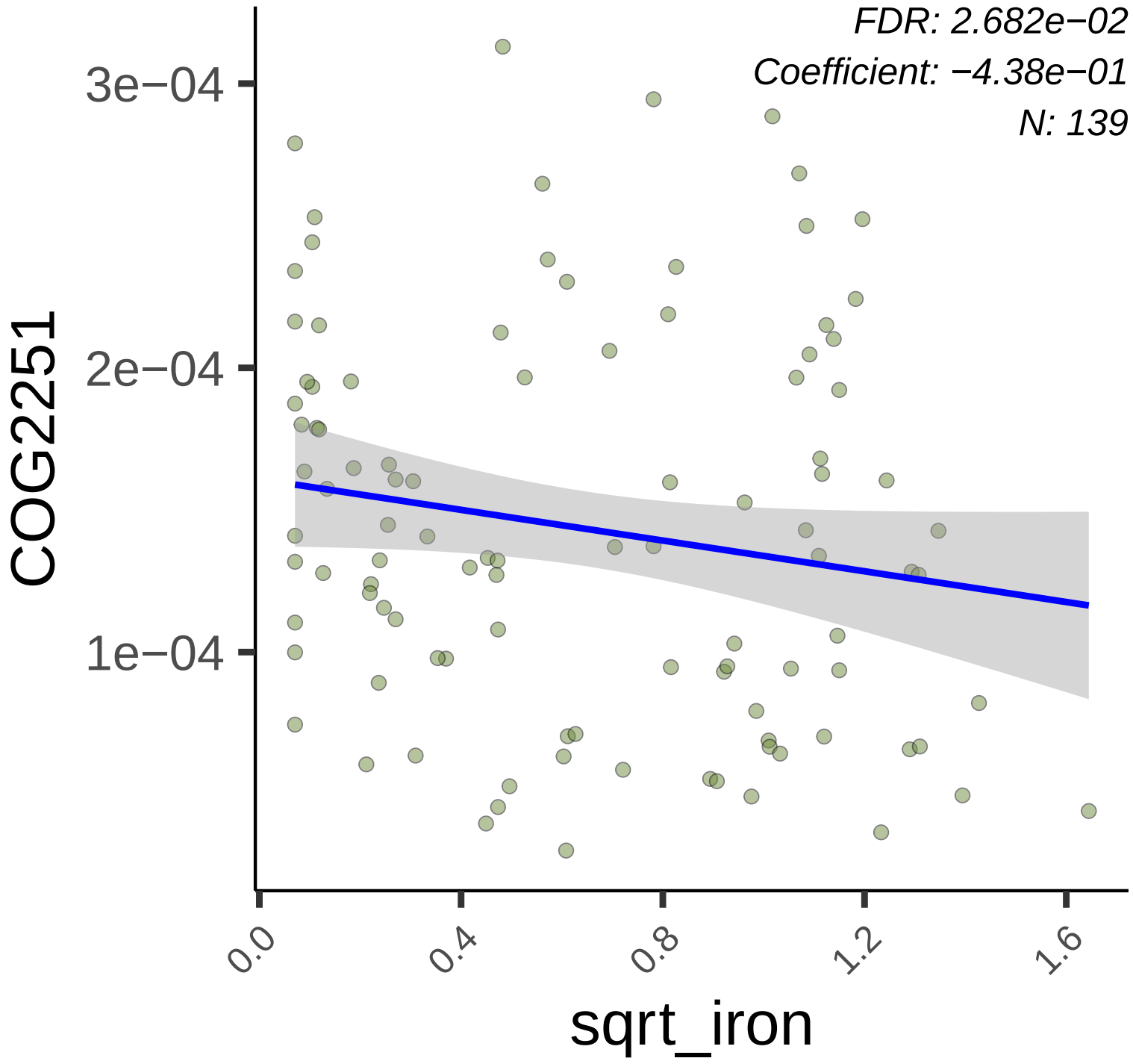
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.682e−02
Coefficient: −4.38e−01
N: 139
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1e−04
COG2251
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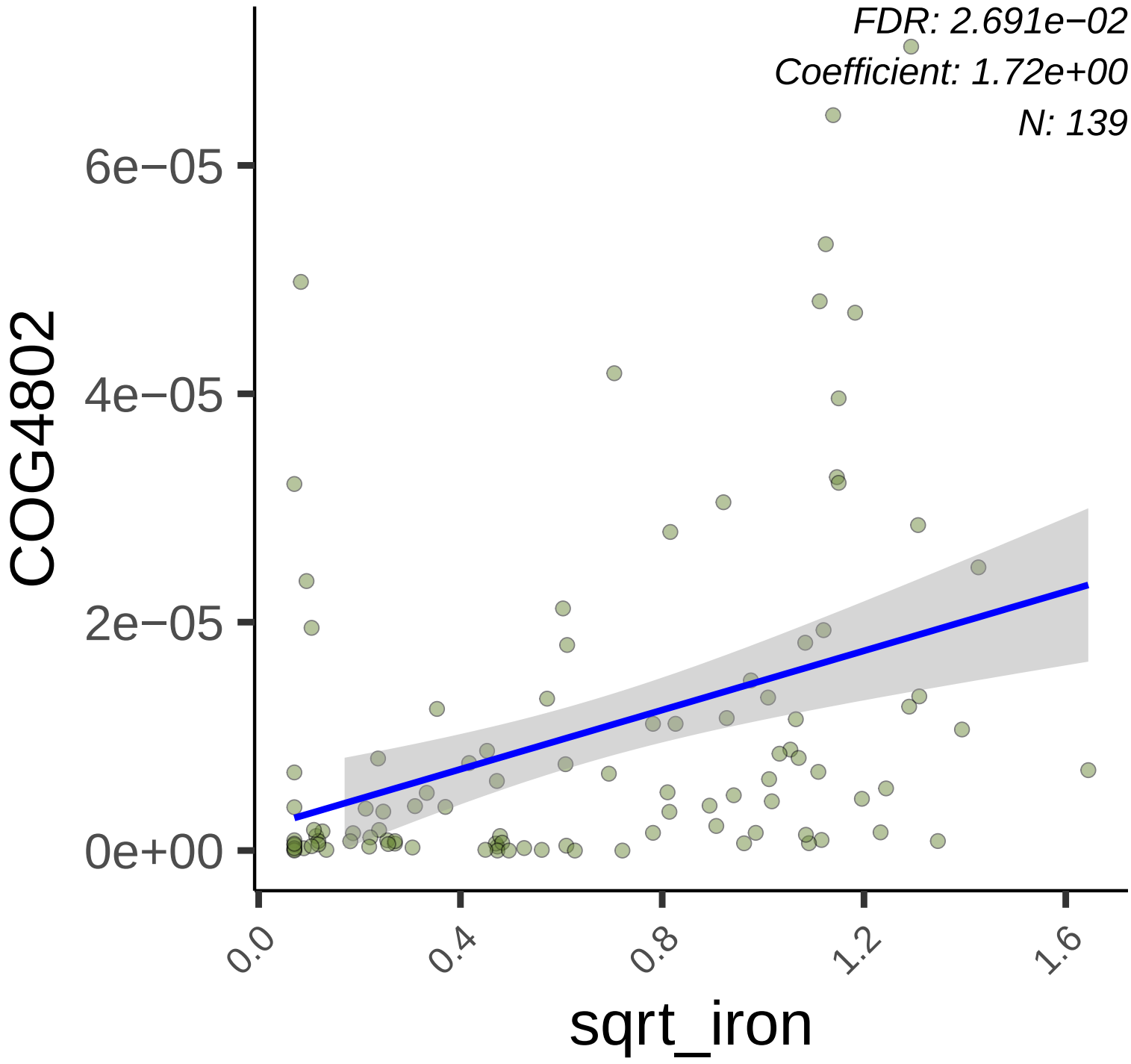
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.691e−02
Coefficient: 1.72e+00
N: 139
COG4802
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4e−05
2e−05
0e+00
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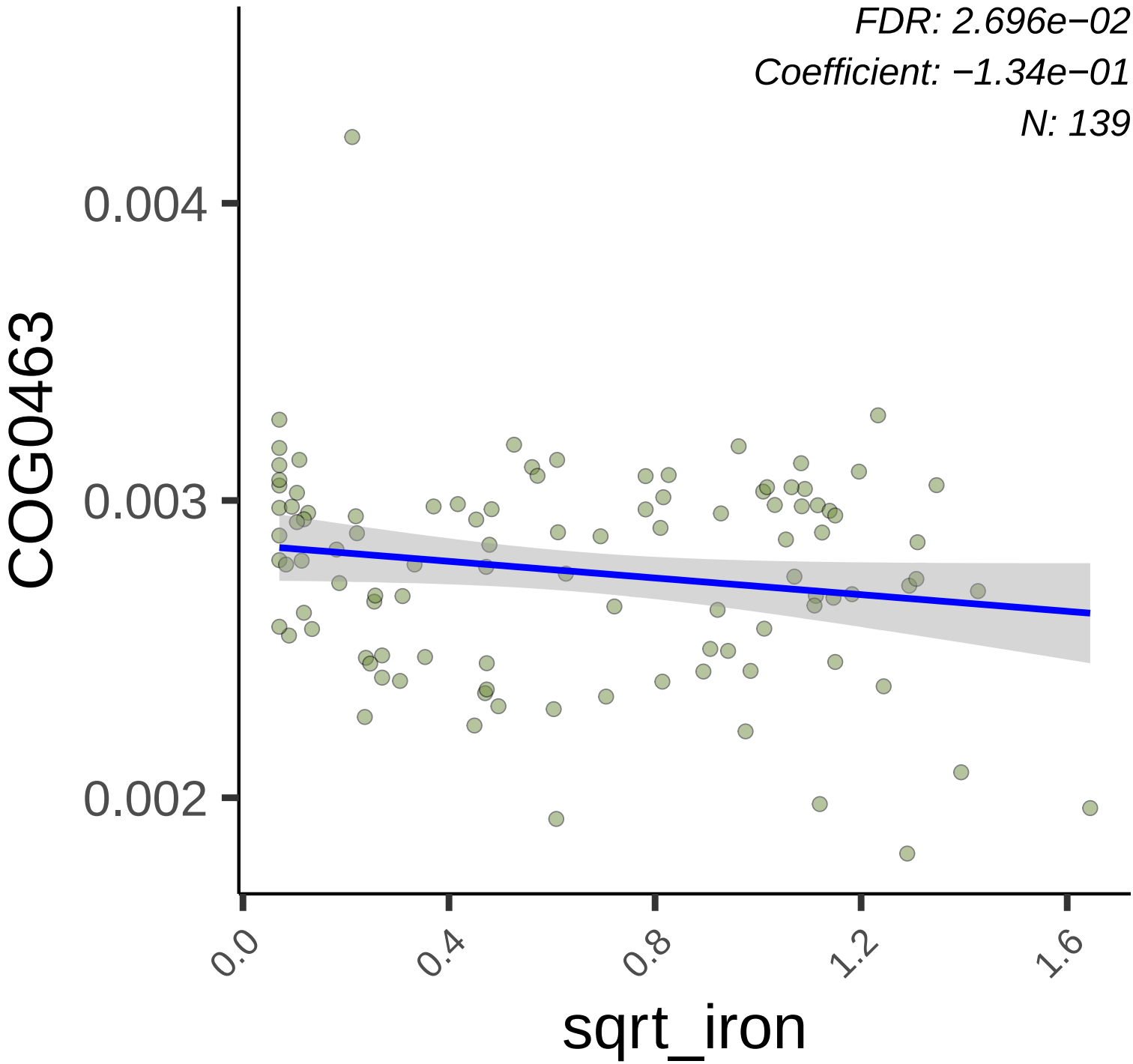
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.696e−02
Coefficient: −1.34e−01
N: 139
COG0463
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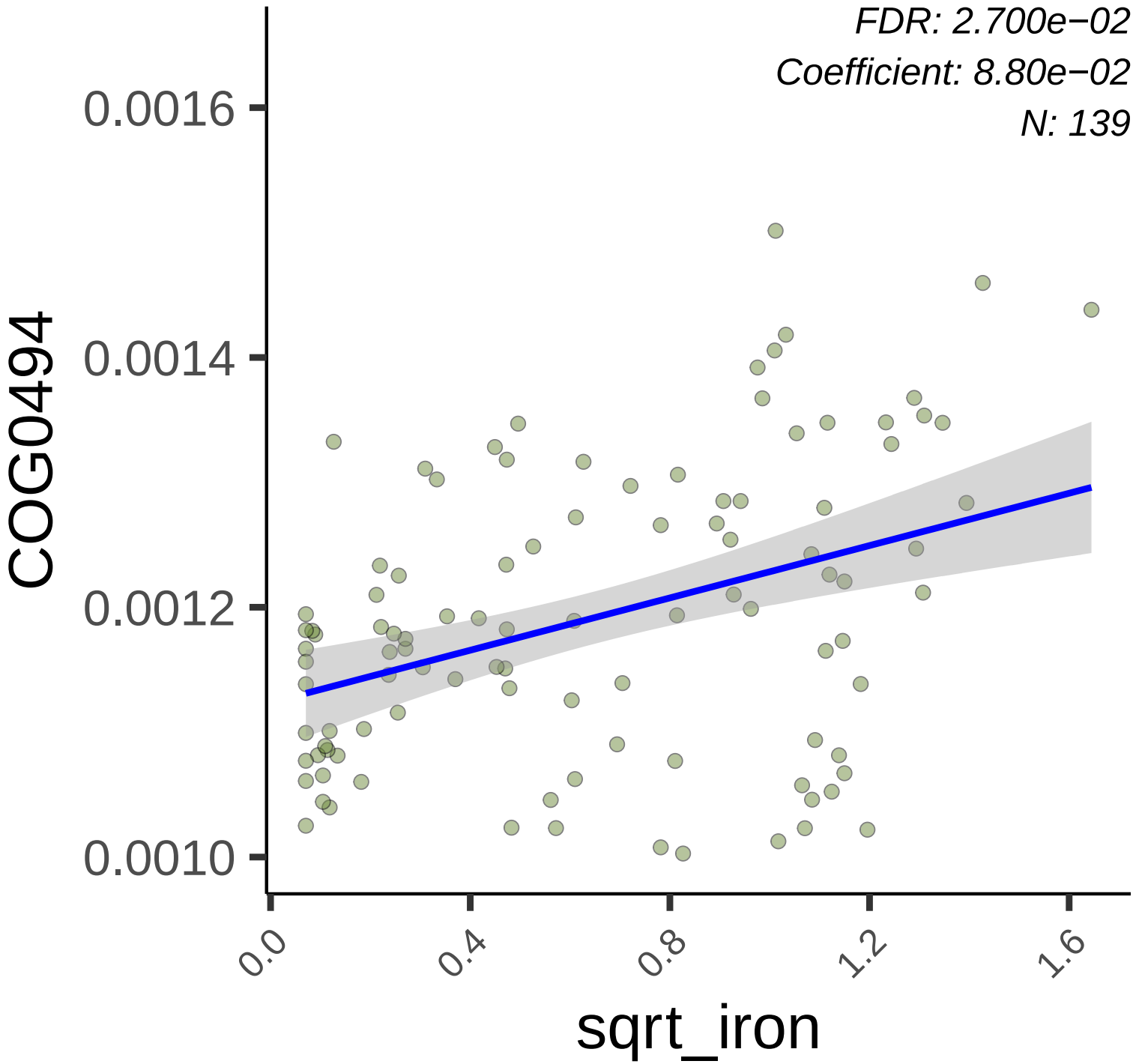
0.003
0.002
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.700e−02
Coefficient: 8.80e−02
N: 139
COG0494
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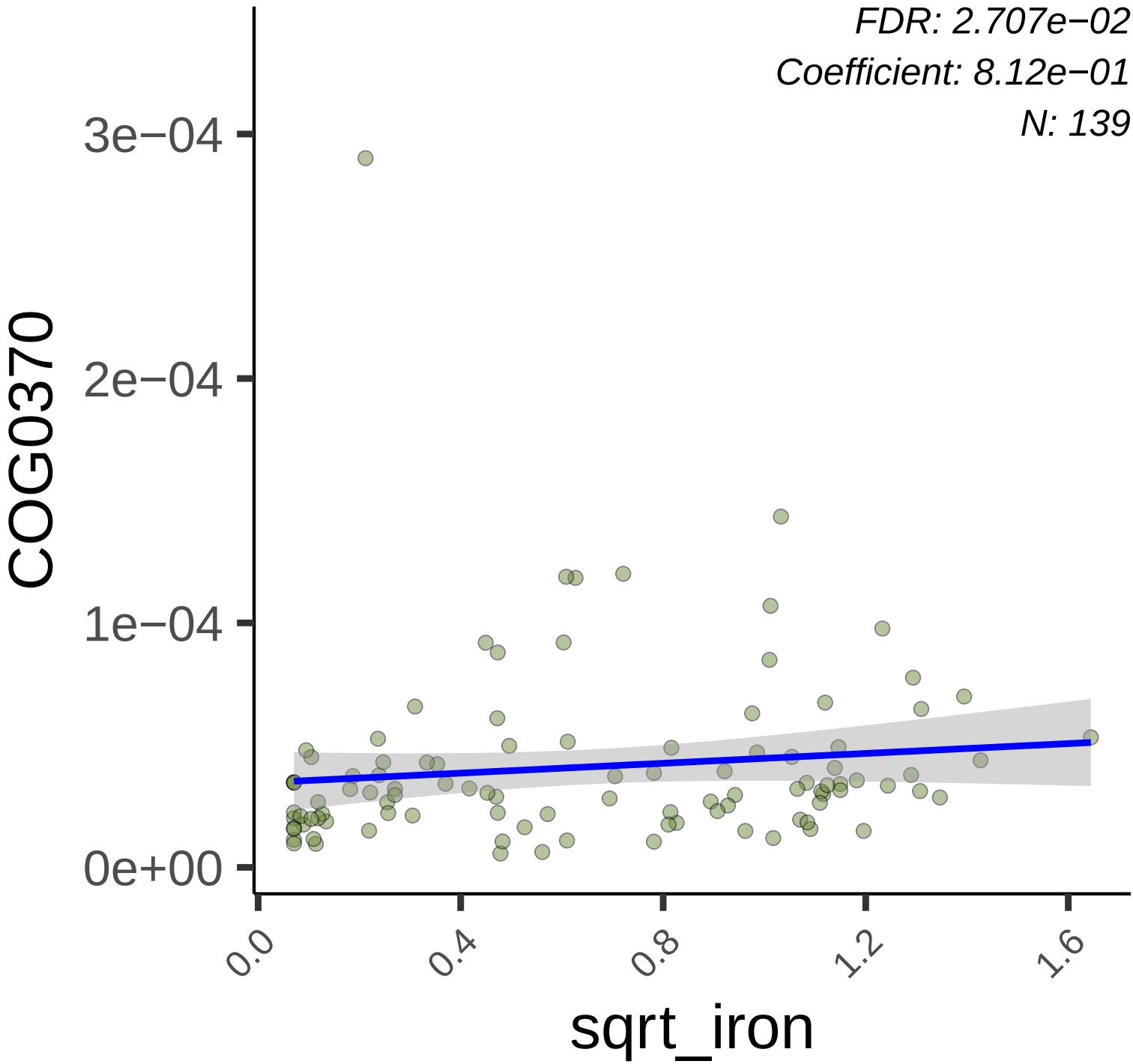
0.0014
0.0012
0.0010
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.707e−02
Coefficient: 8.12e−01
N: 139
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1e−04
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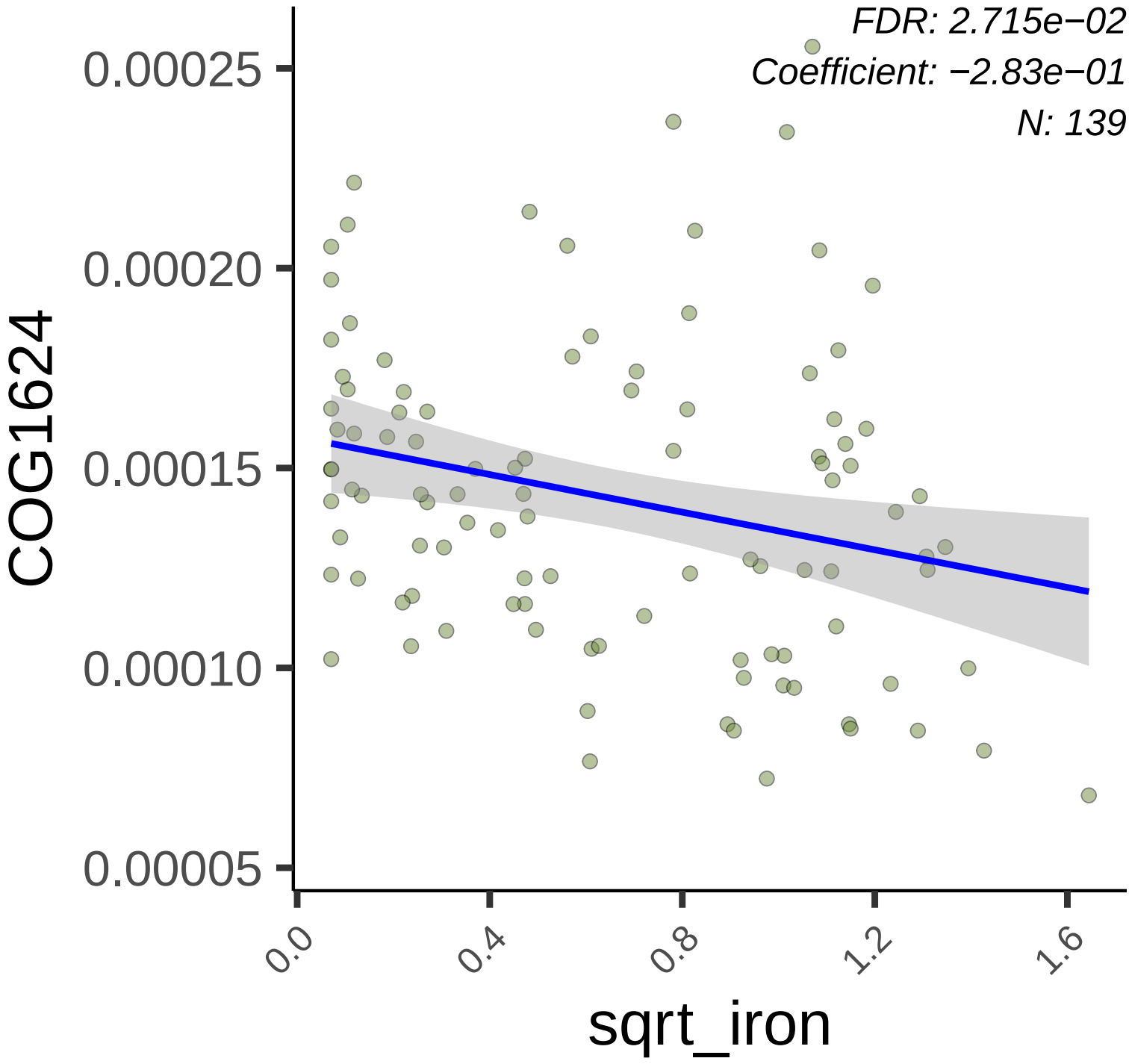
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.715e−02
Coefficient: −2.83e−01
N: 139
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COG1624
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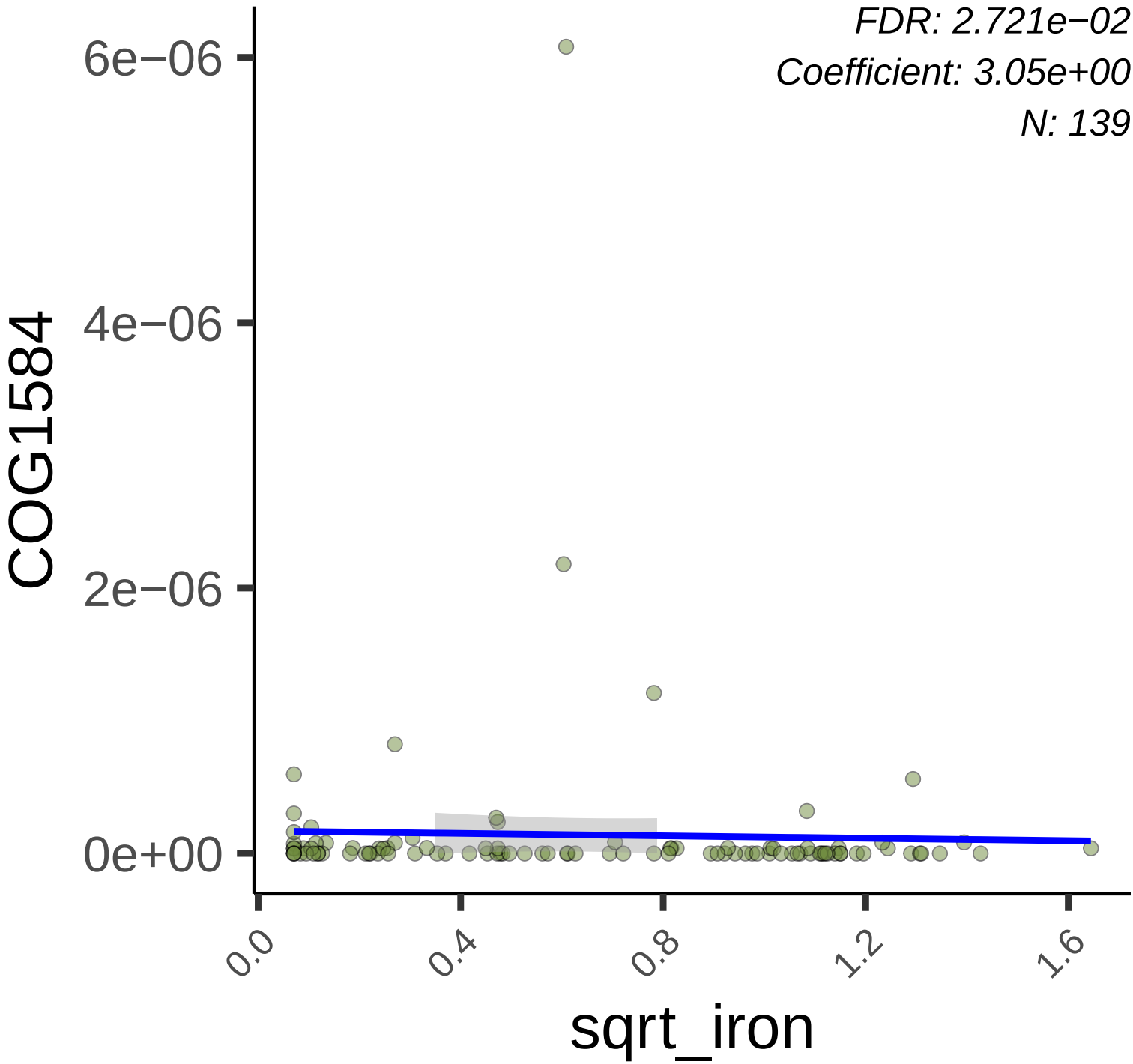
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.721e−02
Coefficient: 3.05e+00
N: 139
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4e−06
2e−06
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COG1584
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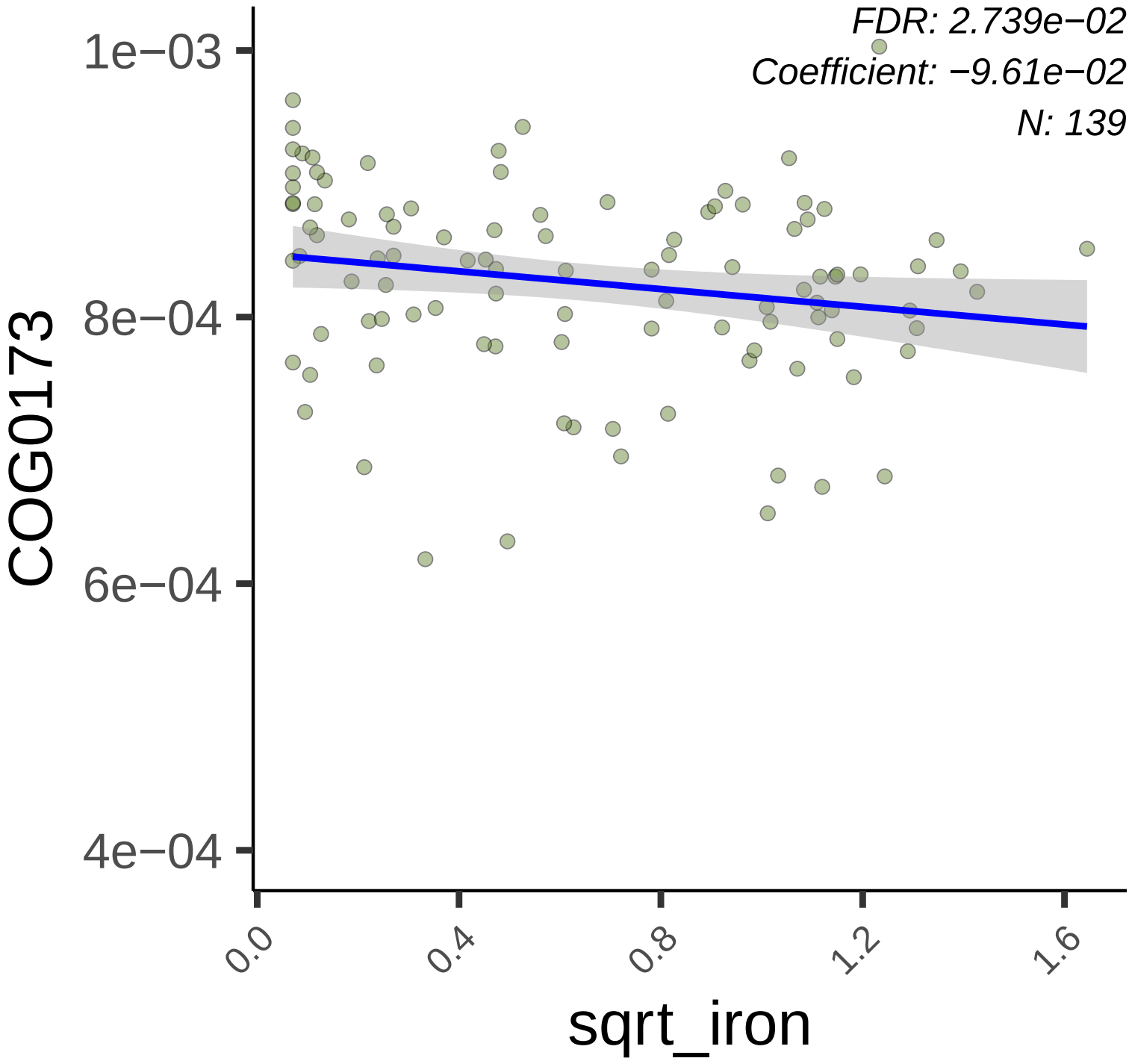
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.739e−02
Coefficient: −9.61e−02
N: 139
1e−03
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6e−04
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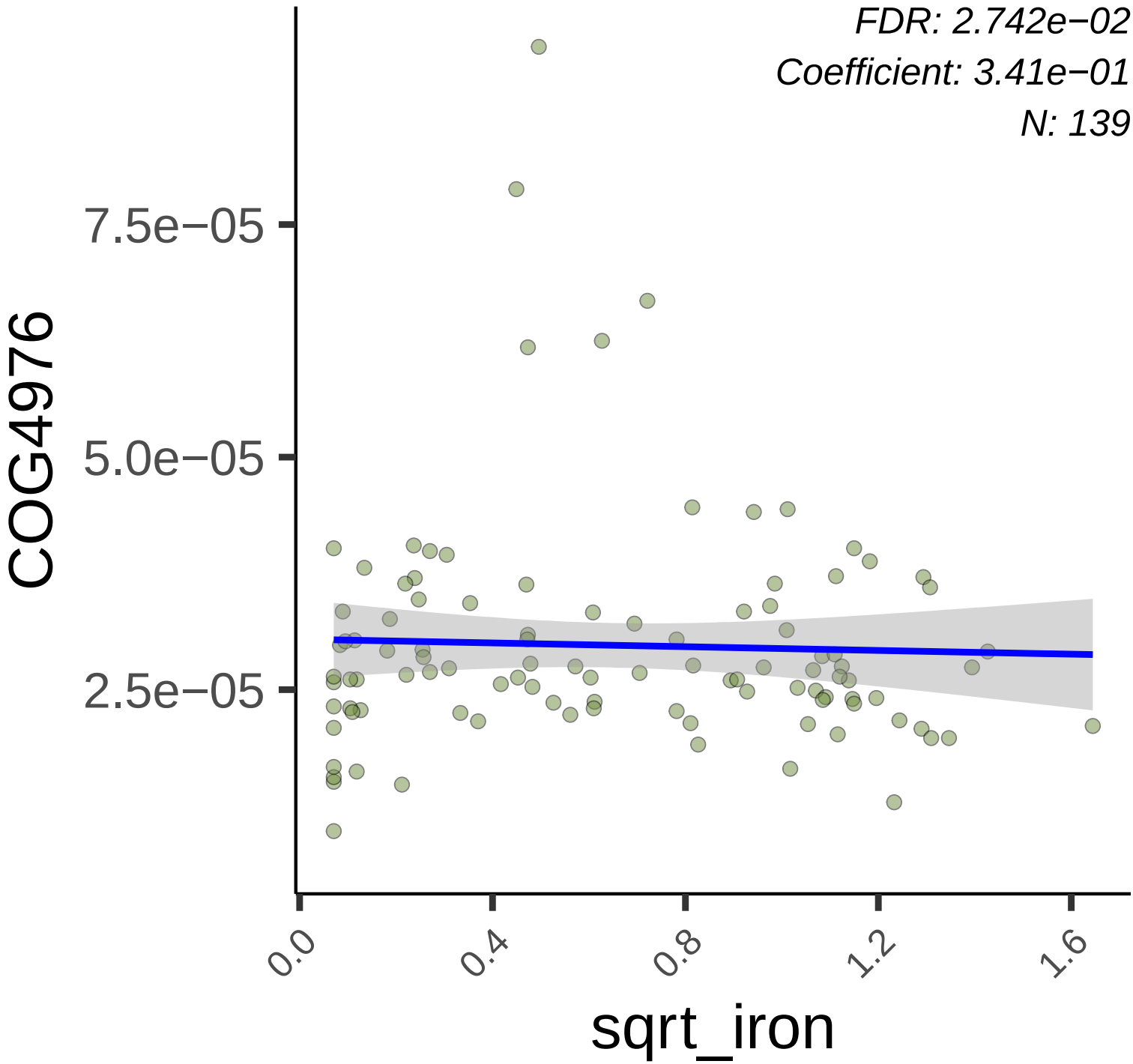
1.6
sqrt_iron


FDR: 2.742e−02
Coefficient: 3.41e−01
N: 139
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2.5e−05
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0.4
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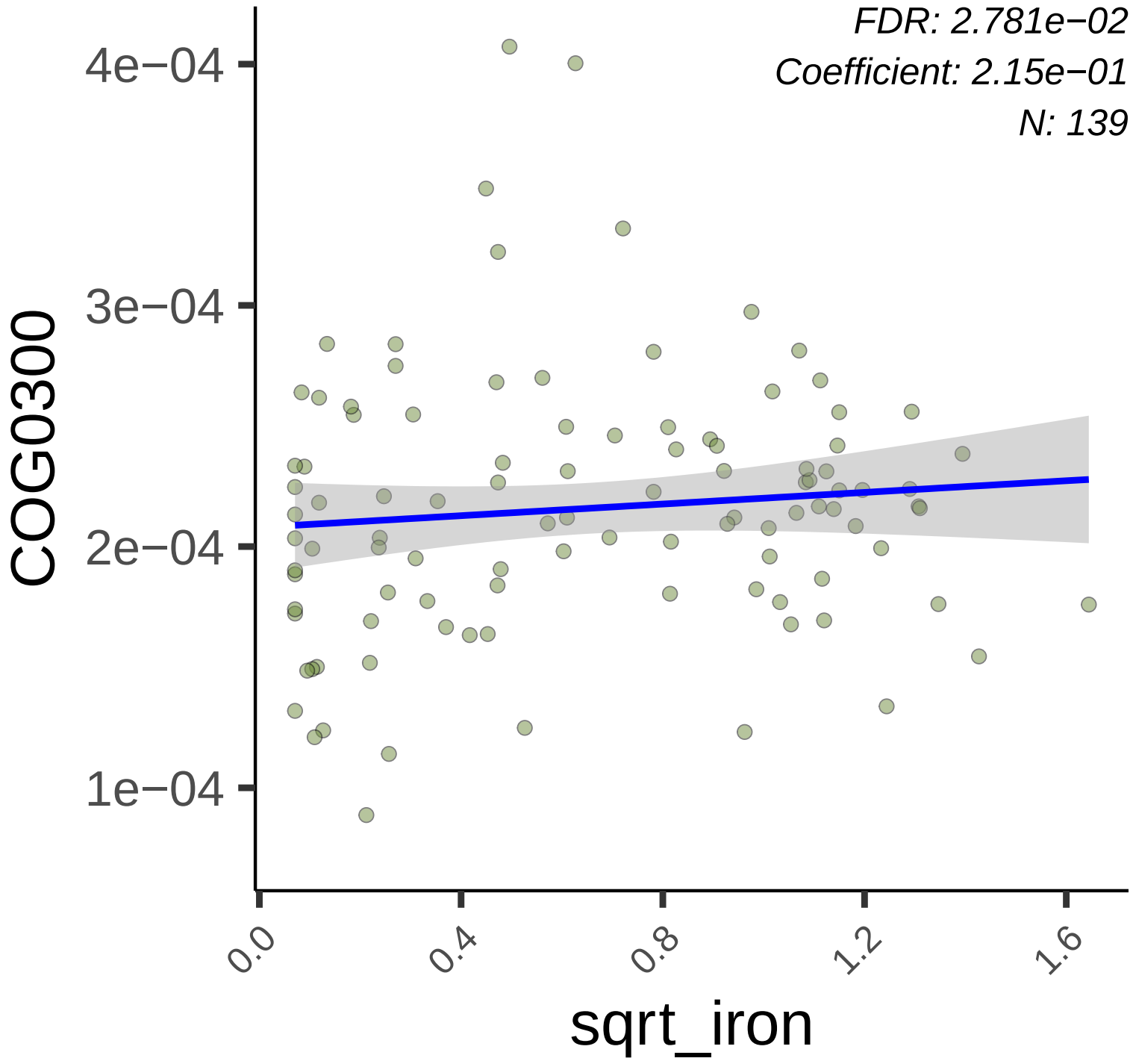
1.2
1.6
sqrt_iron


FDR: 2.781e−02
Coefficient: 2.15e−01
N: 139
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2e−04
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COG0300
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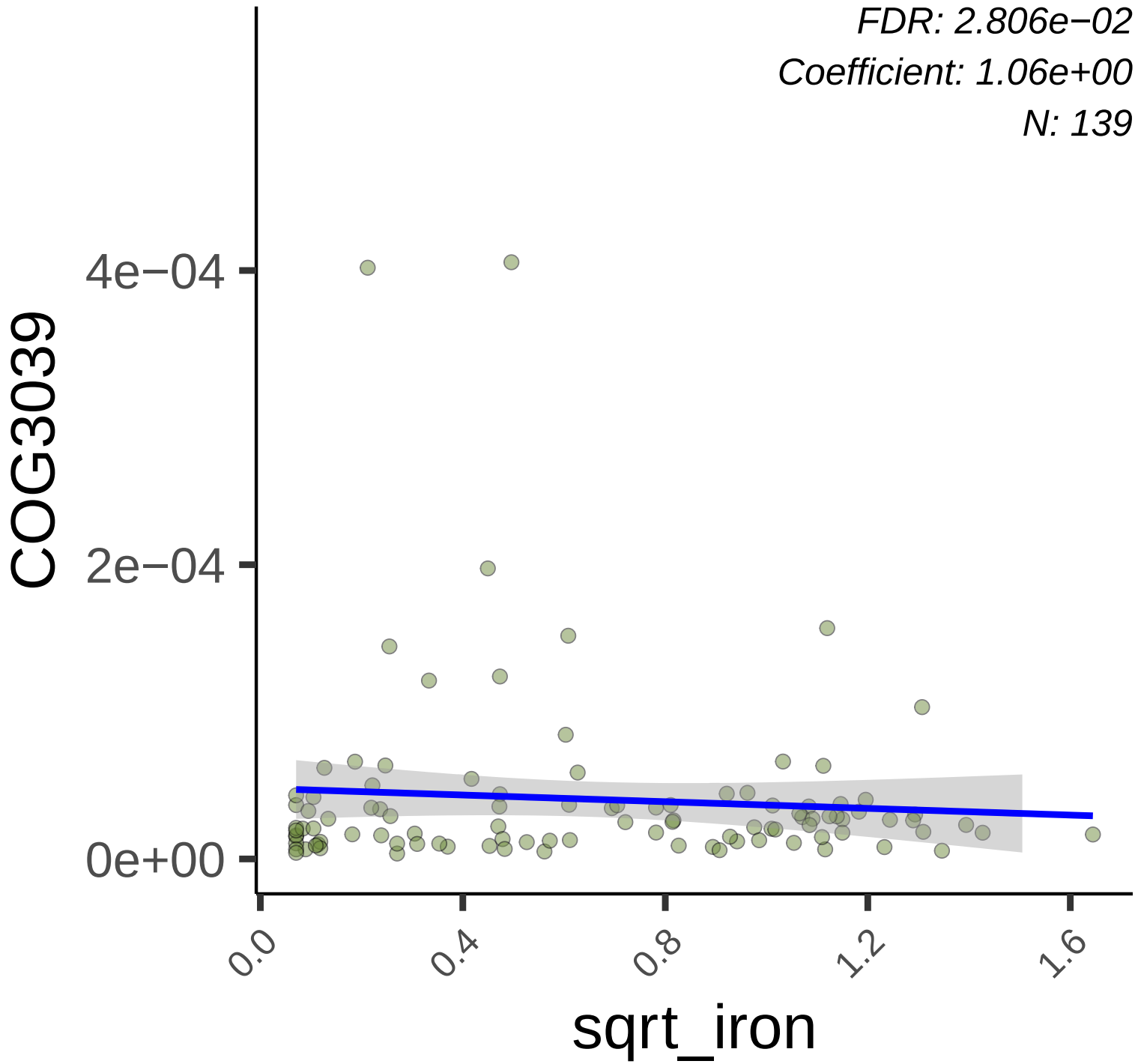
1.6
sqrt_iron


FDR: 2.806e−02
Coefficient: 1.06e+00
N: 139
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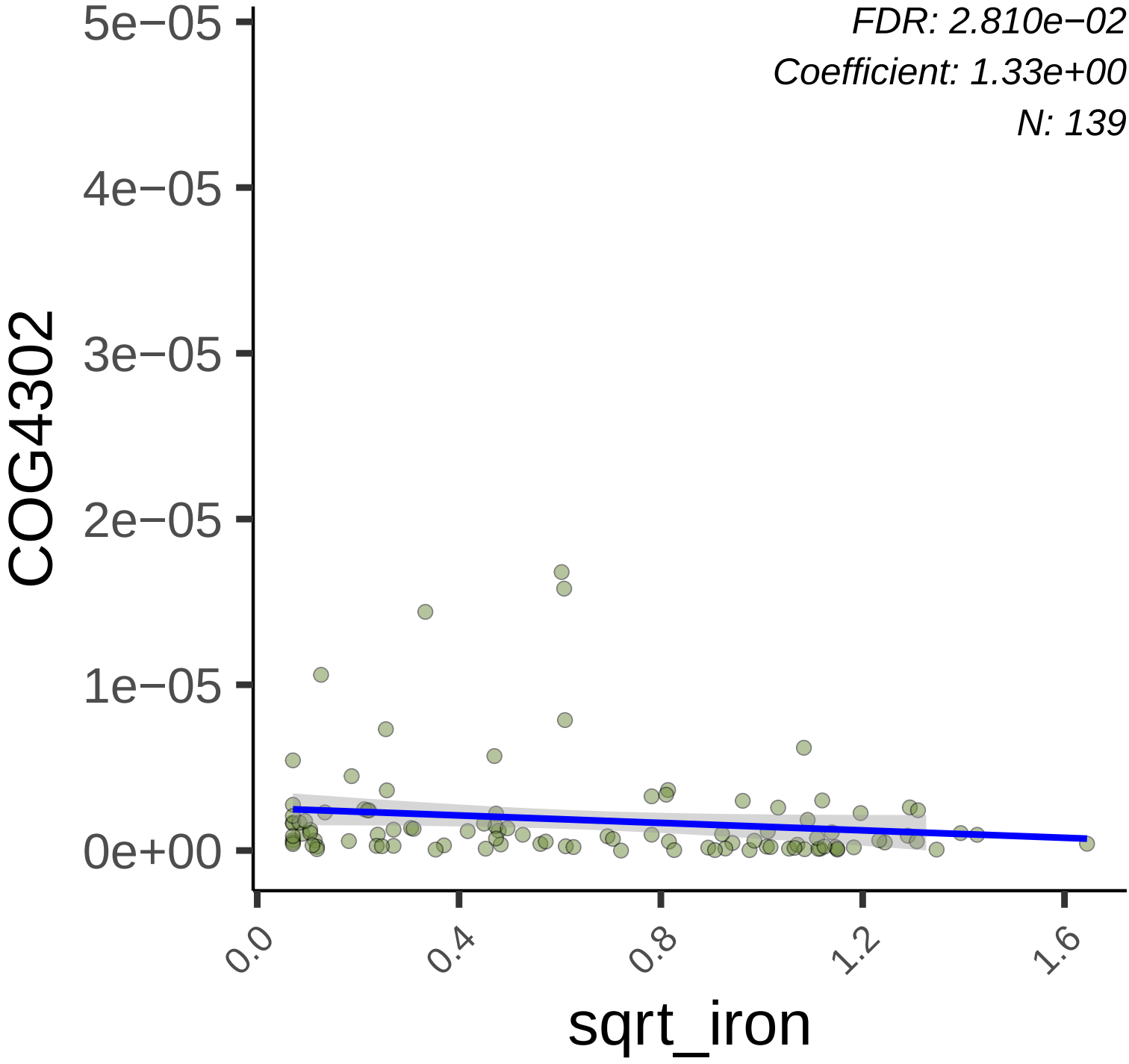
1.2
1.6
sqrt_iron


FDR: 2.810e−02
Coefficient: 1.33e+00
N: 139
COG4302
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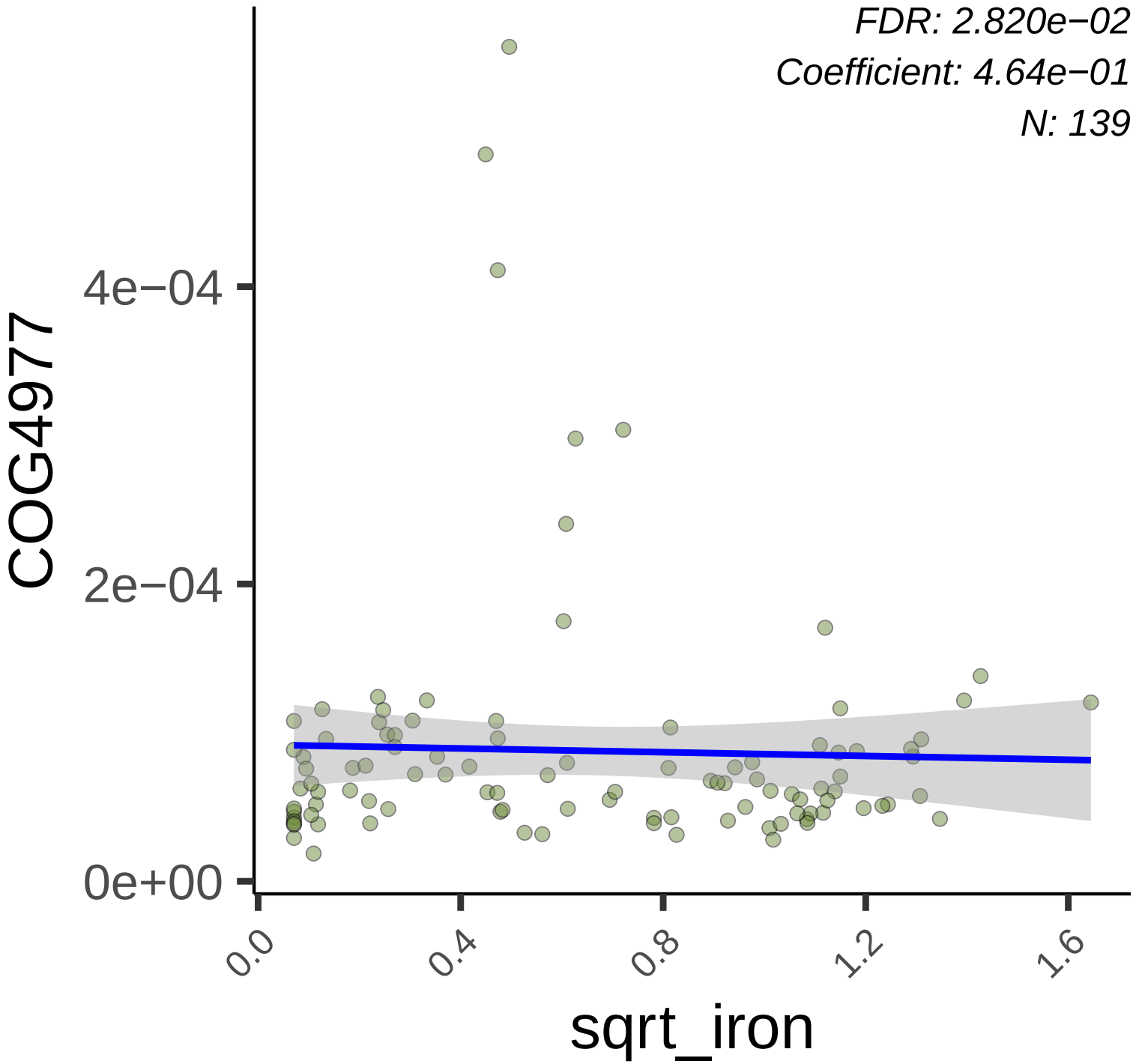
1.2
1.6
sqrt_iron


FDR: 2.820e−02
Coefficient: 4.64e−01
N: 139
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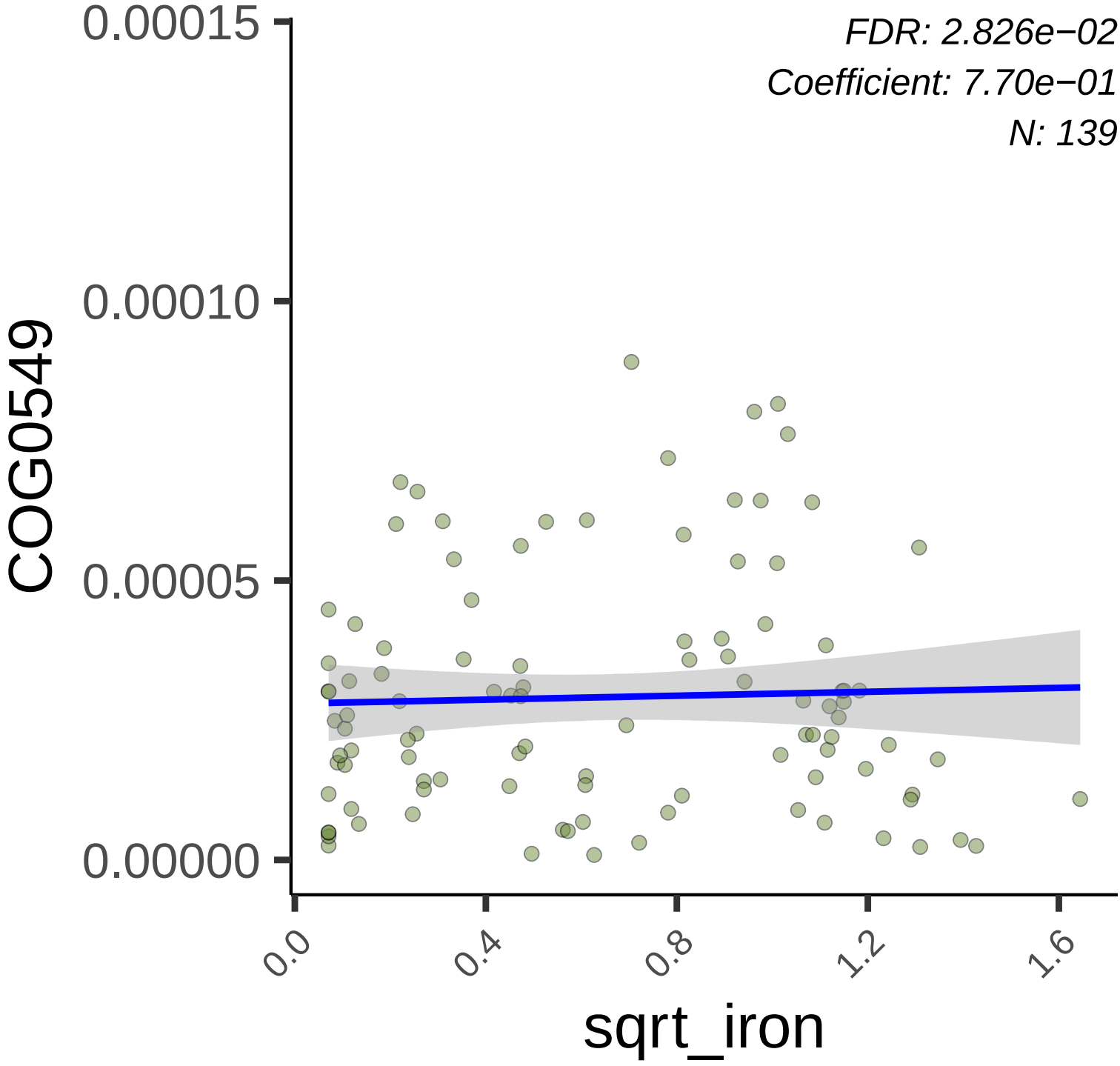
1.6
sqrt_iron


FDR: 2.826e−02
Coefficient: 7.70e−01
N: 139
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COG0549
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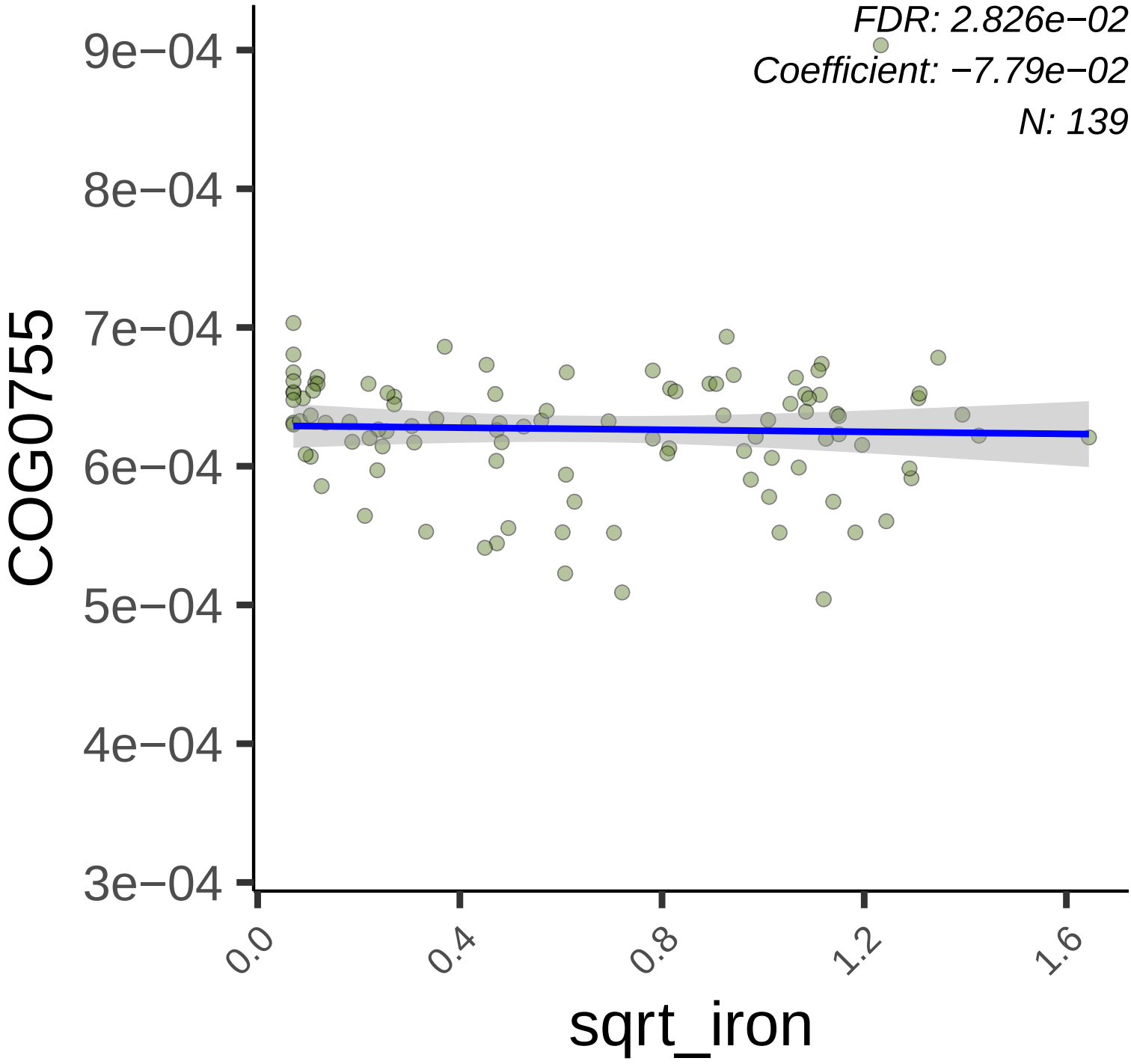
1.6
sqrt_iron


FDR: 2.826e−02
Coefficient: −7.79e−02
N: 139
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8e−04
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4e−04
3e−04
COG0755
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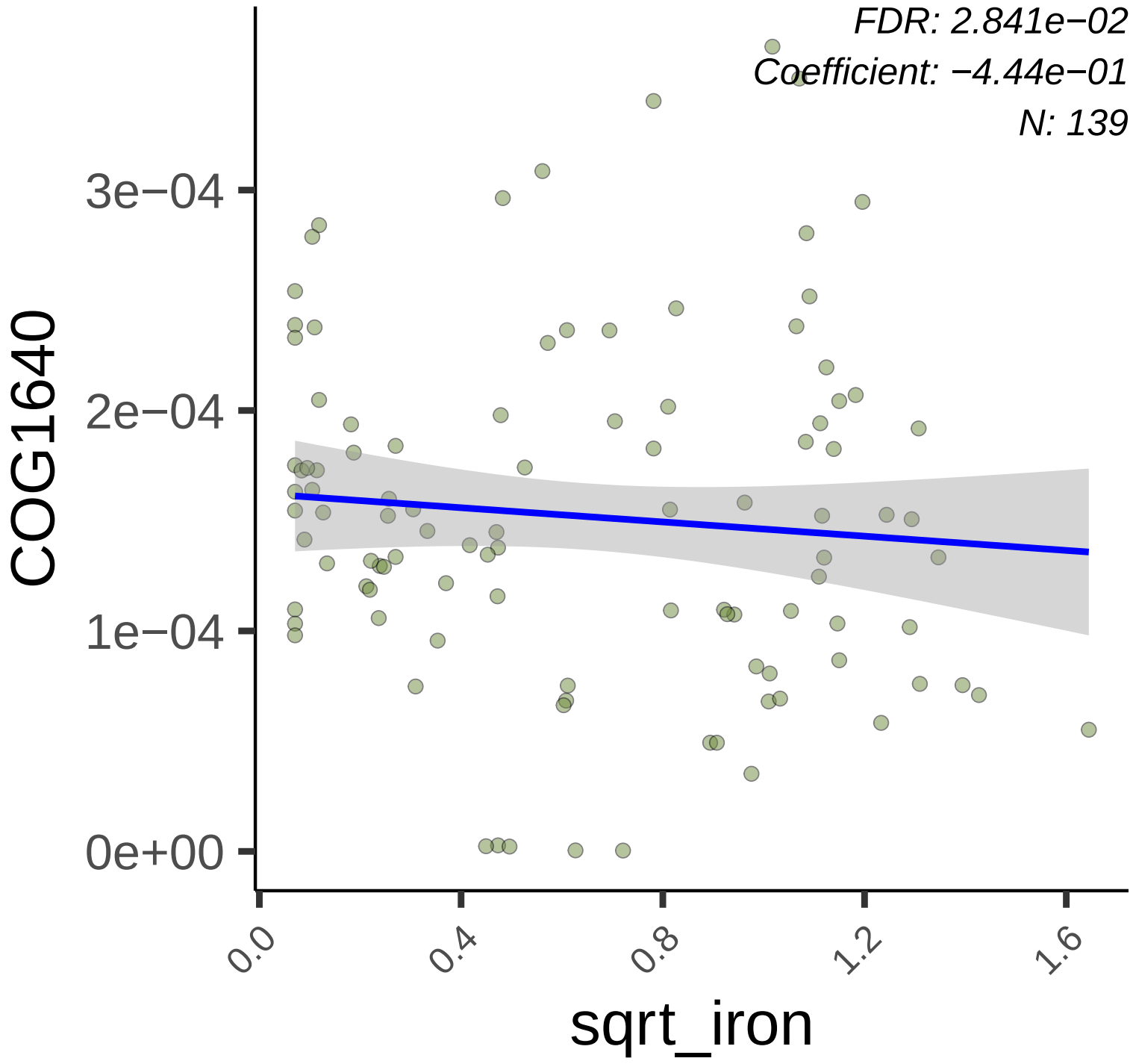
1.2
1.6
sqrt_iron


FDR: 2.841e−02
Coefficient: −4.44e−01
N: 139
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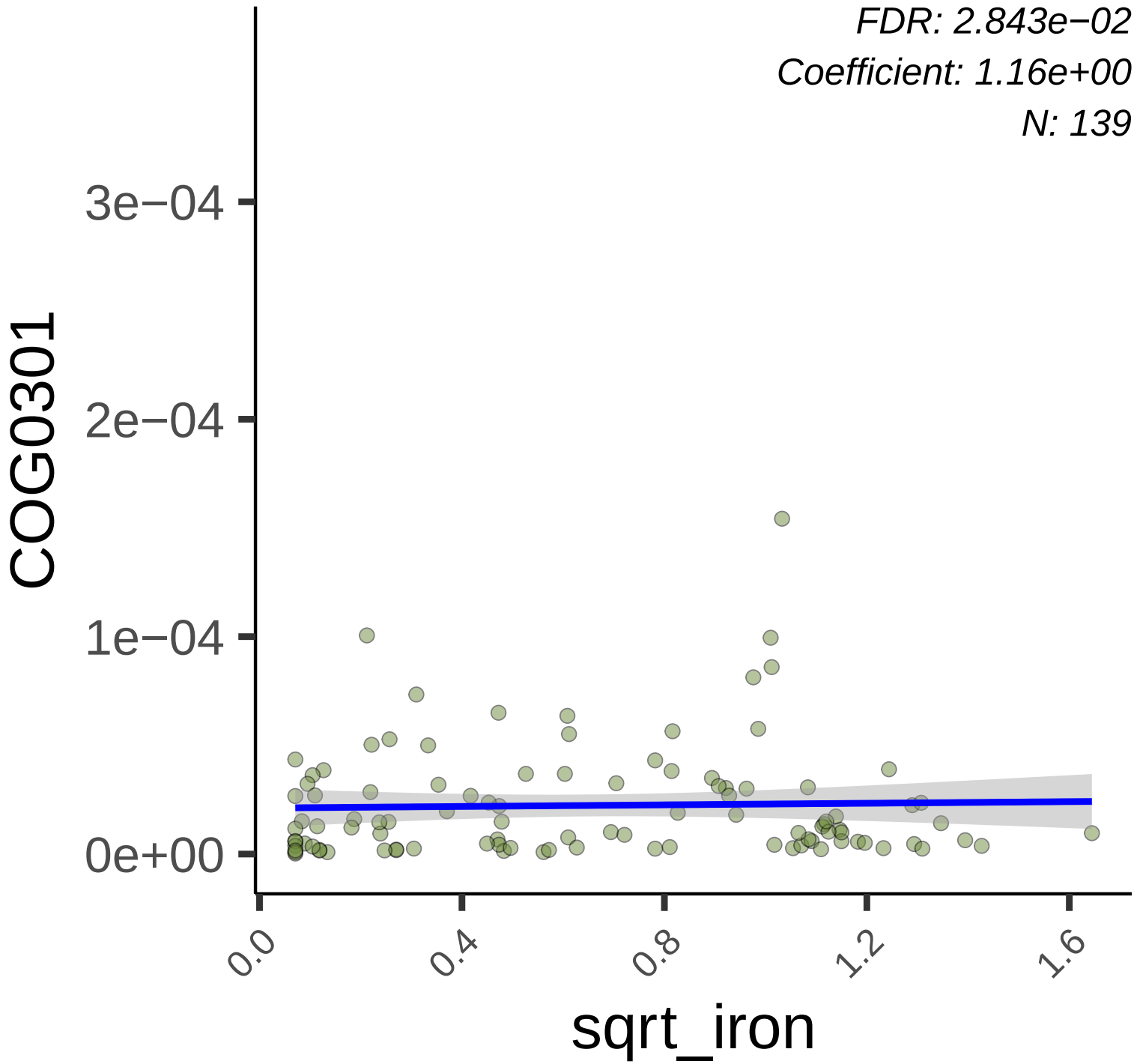
1.2
1.6
sqrt_iron


FDR: 2.843e−02
Coefficient: 1.16e+00
N: 139
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1e−04
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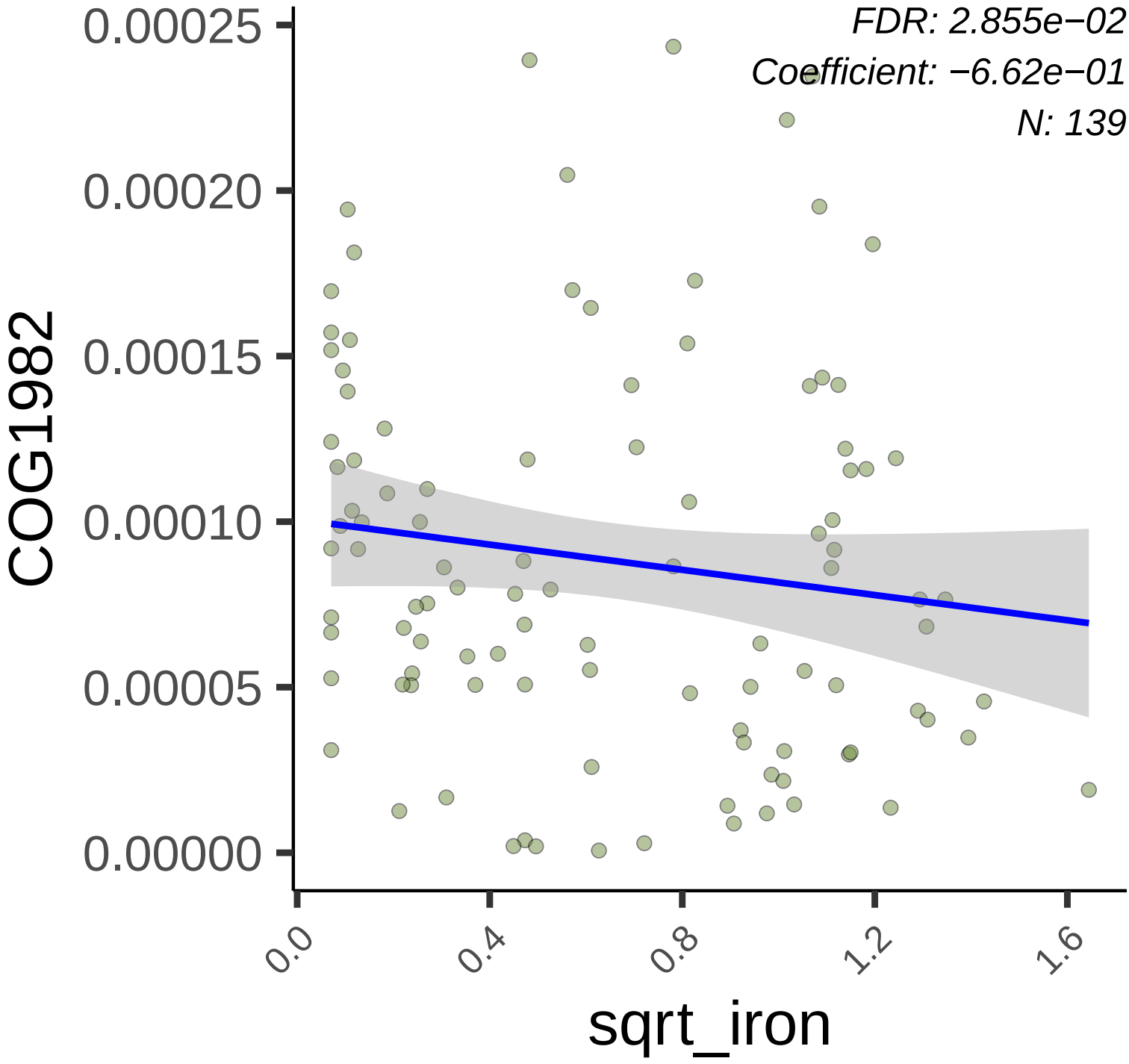
1.2
1.6
sqrt_iron


FDR: 2.855e−02
Coefficient: −6.62e−01
N: 139
COG1982
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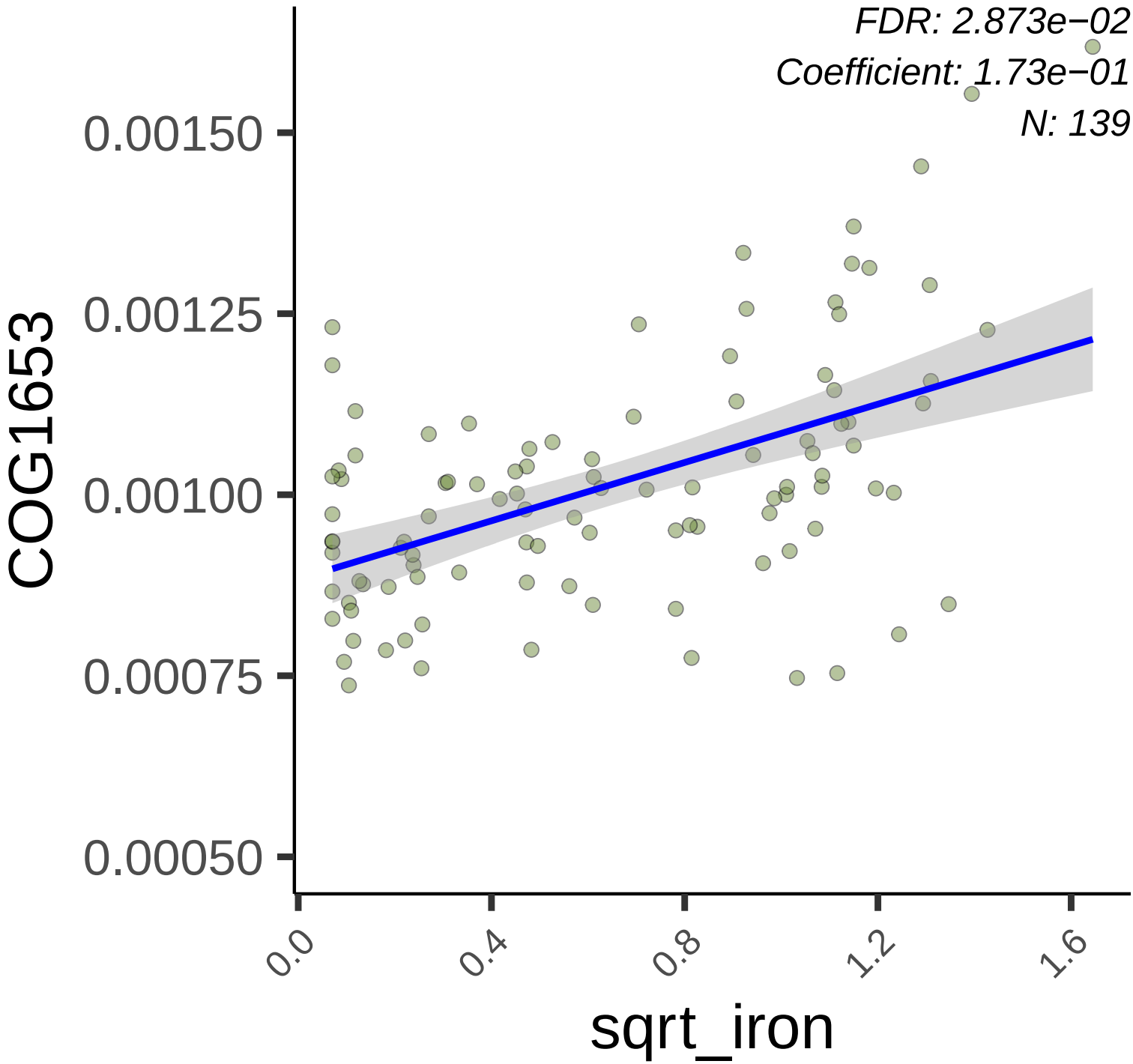
1.6
sqrt_iron


FDR: 2.873e−02
Coefficient: 1.73e−01
N: 139
COG1653
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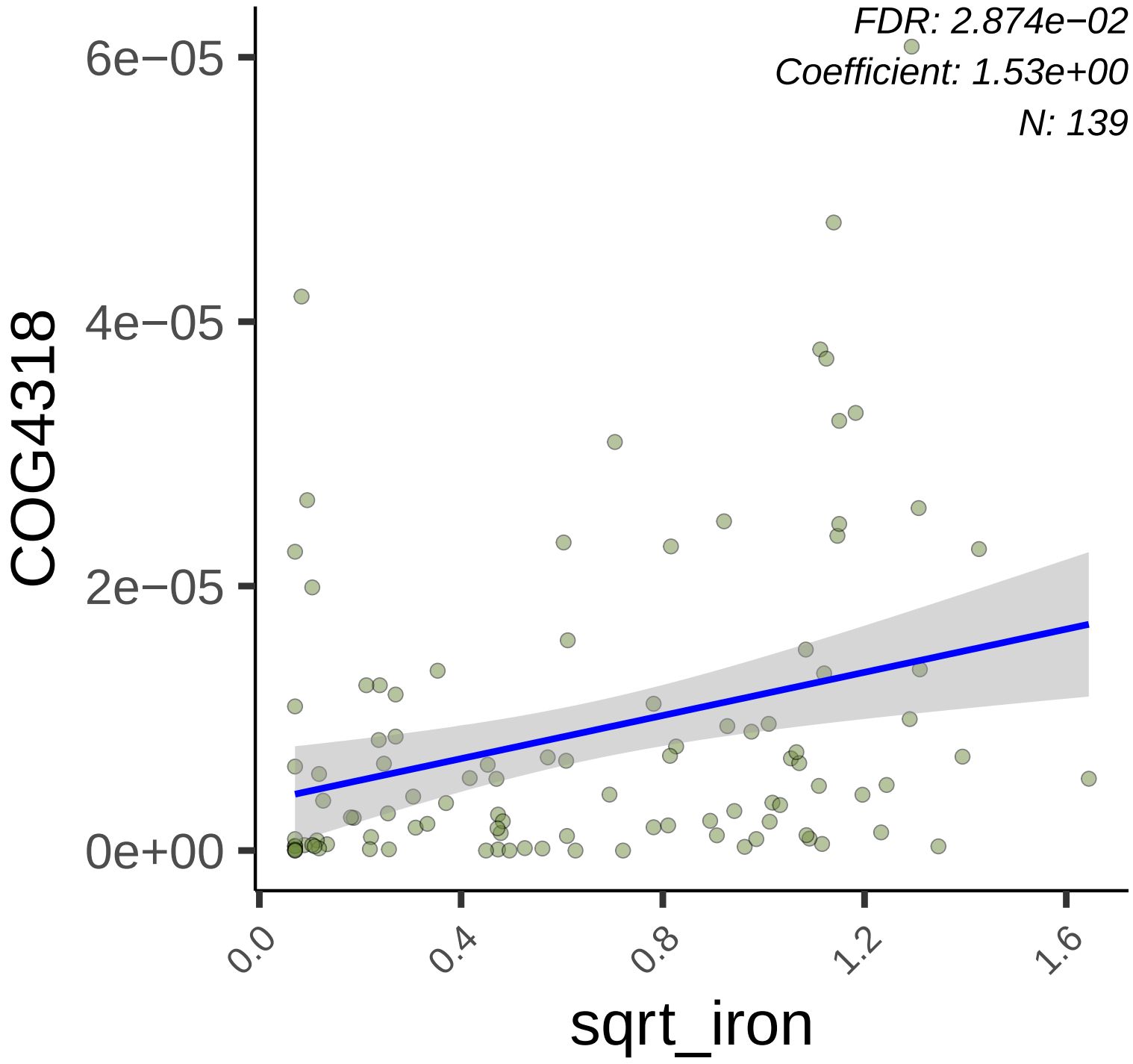
1.2
1.6
sqrt_iron


FDR: 2.874e−02
Coefficient: 1.53e+00
N: 139
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2e−05
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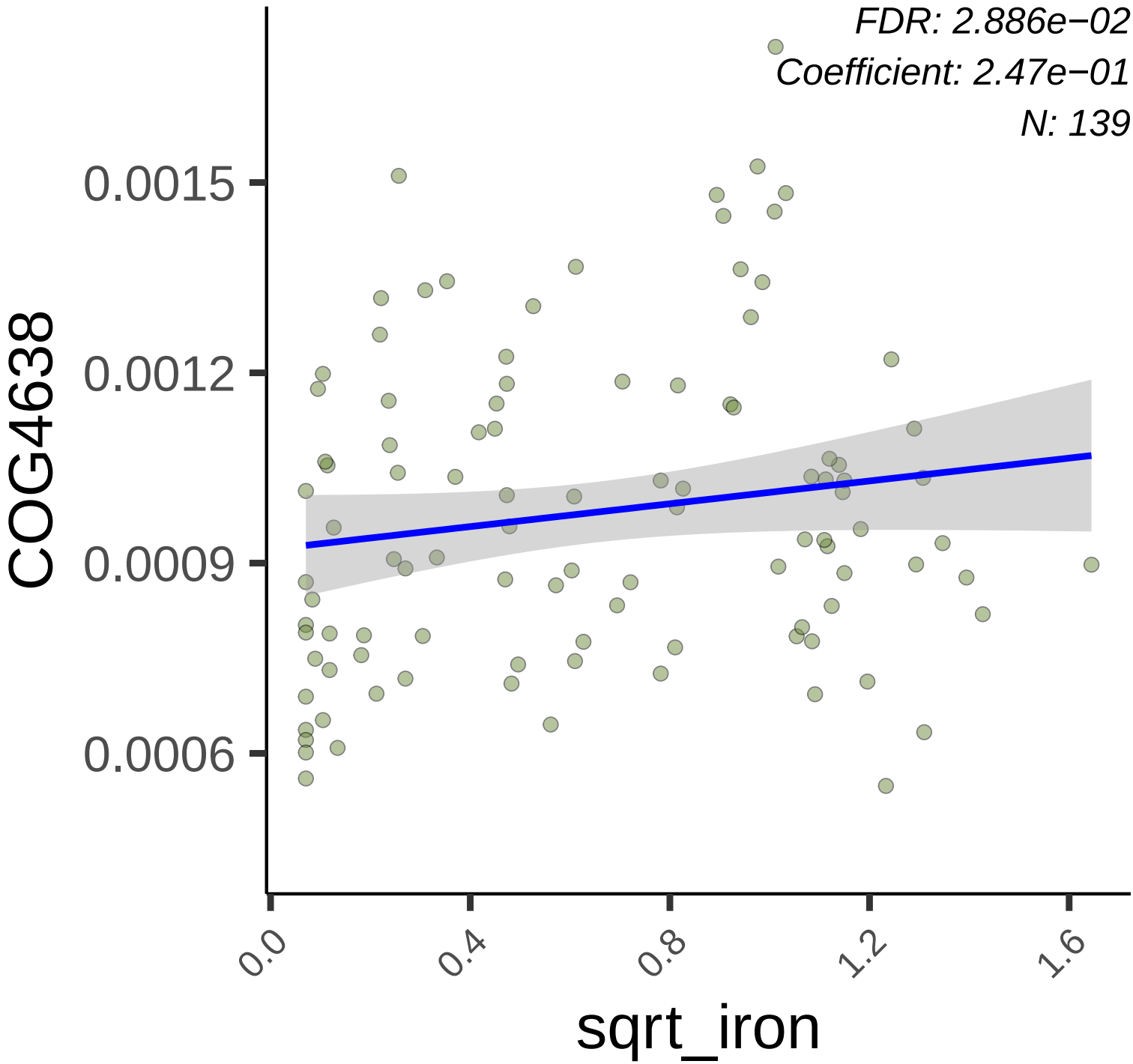
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.886e−02
Coefficient: 2.47e−01
N: 139
COG4638
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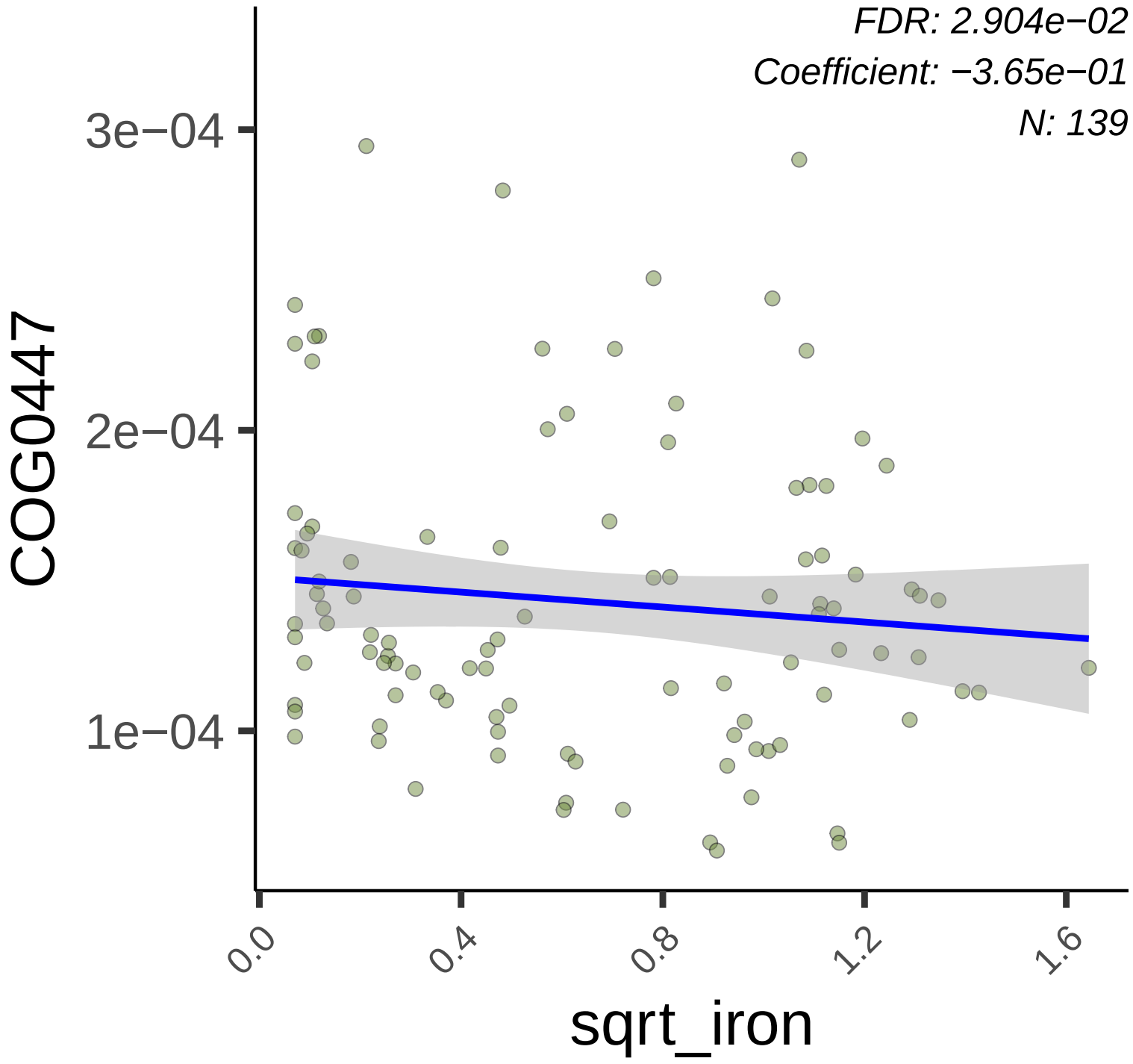
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.904e−02
Coefficient: −3.65e−01
N: 139
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2e−04
1e−04
COG0447
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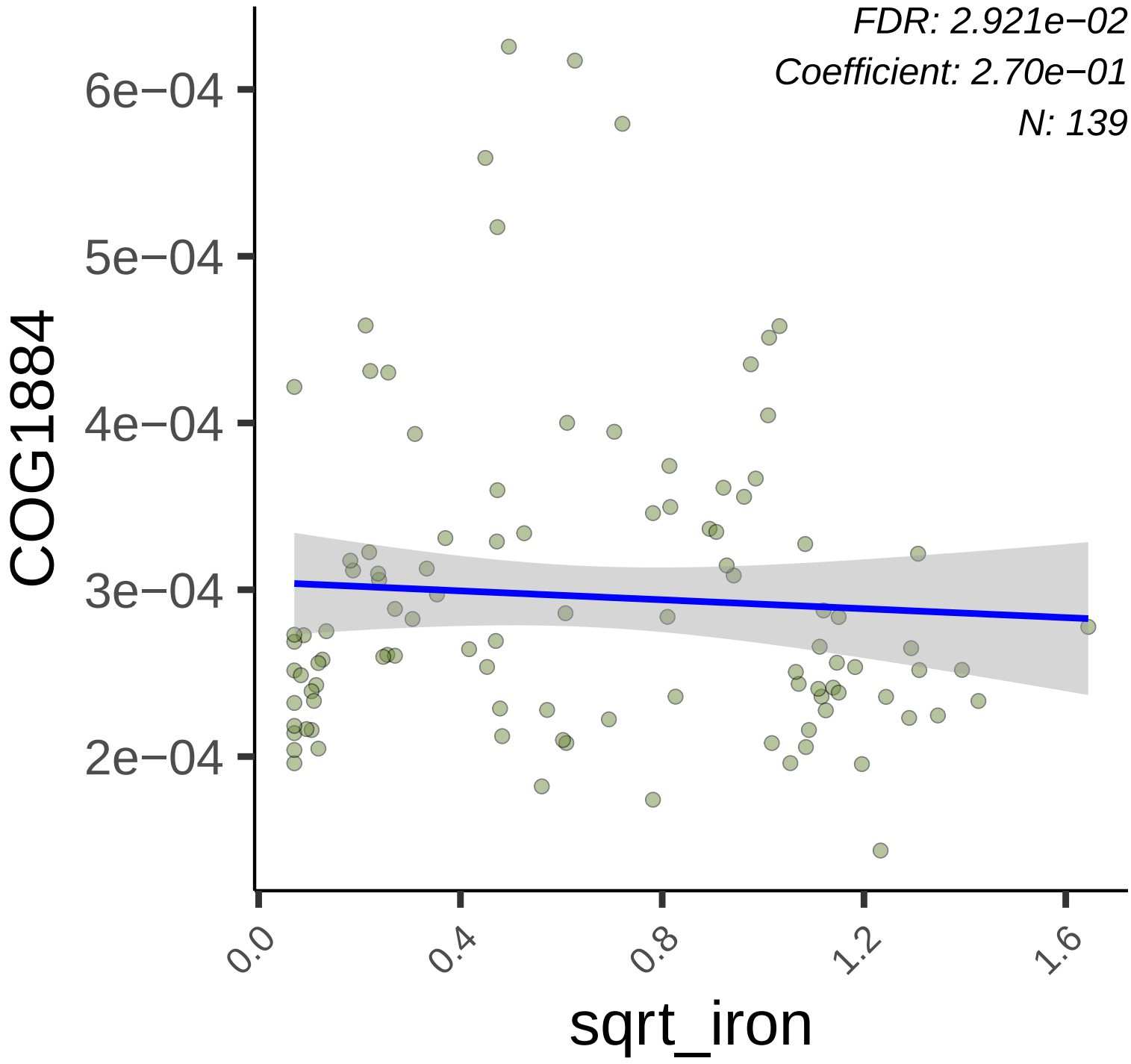
1.2
1.6
sqrt_iron


FDR: 2.921e−02
Coefficient: 2.70e−01
N: 139
COG1884
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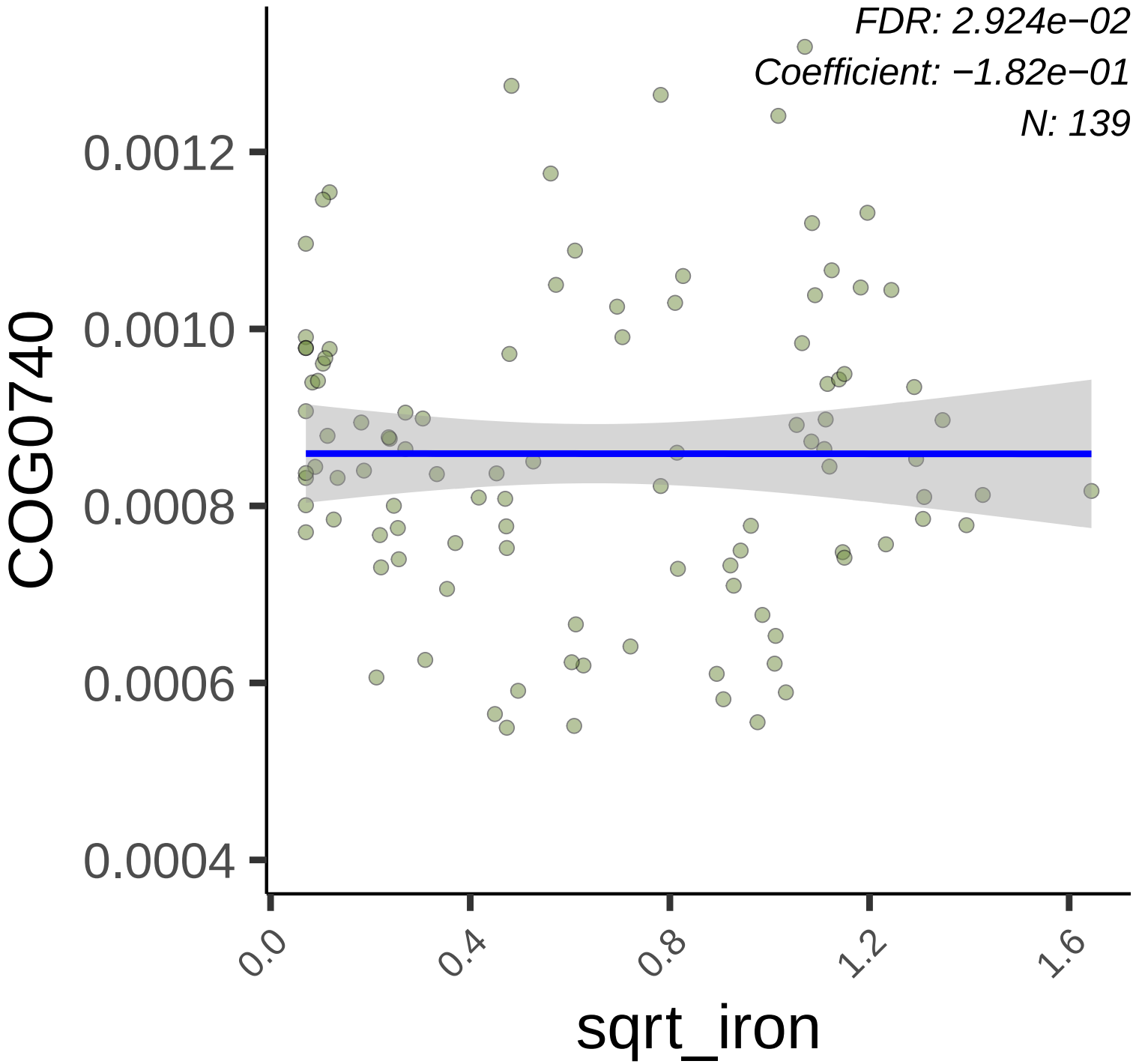
4e−04
3e−04
2e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.924e−02
Coefficient: −1.82e−01
N: 139
COG0740
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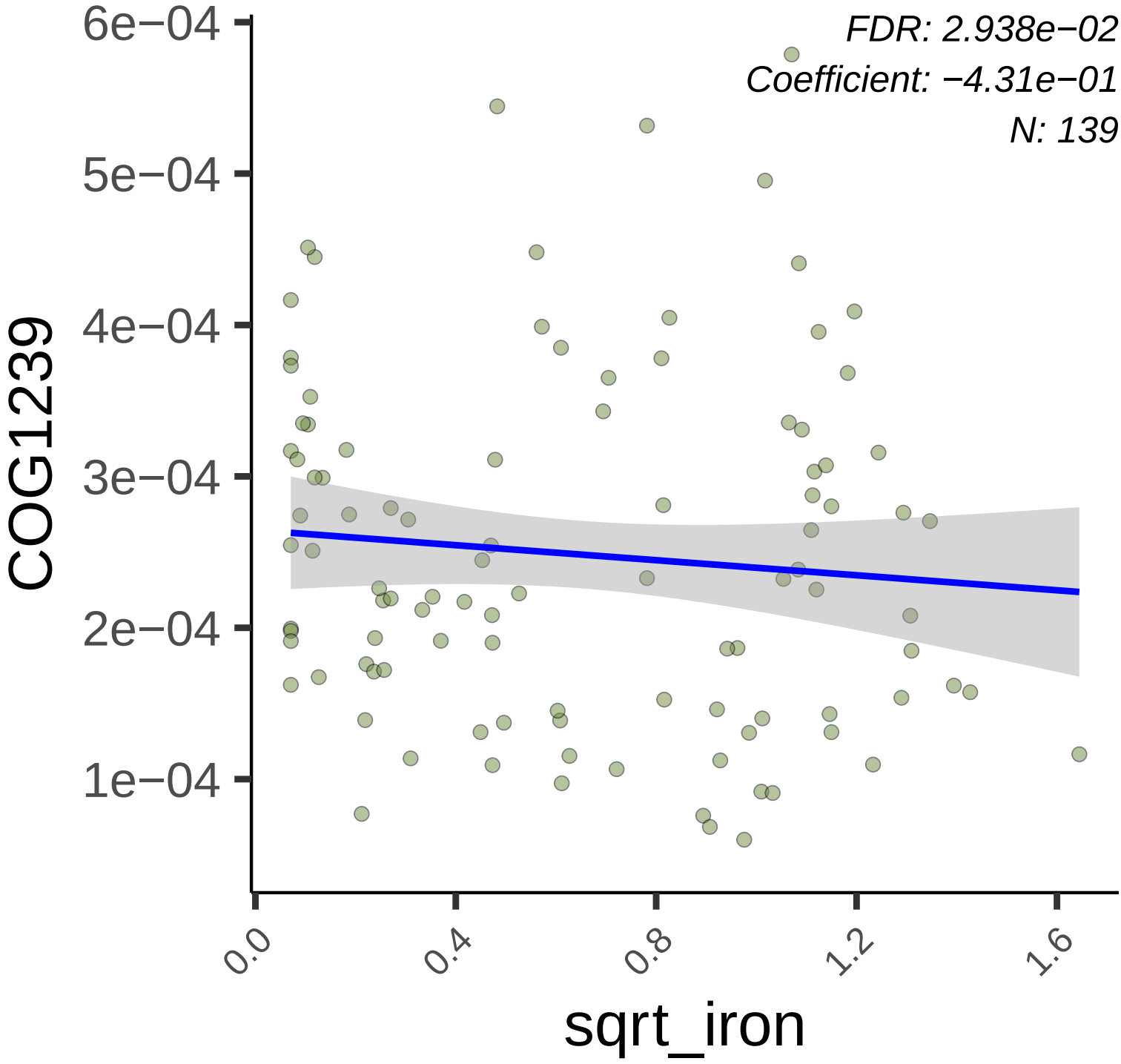
1.6
sqrt_iron


FDR: 2.938e−02
Coefficient: −4.31e−01
N: 139
COG1239
6e−04
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3e−04
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0.4
0.8
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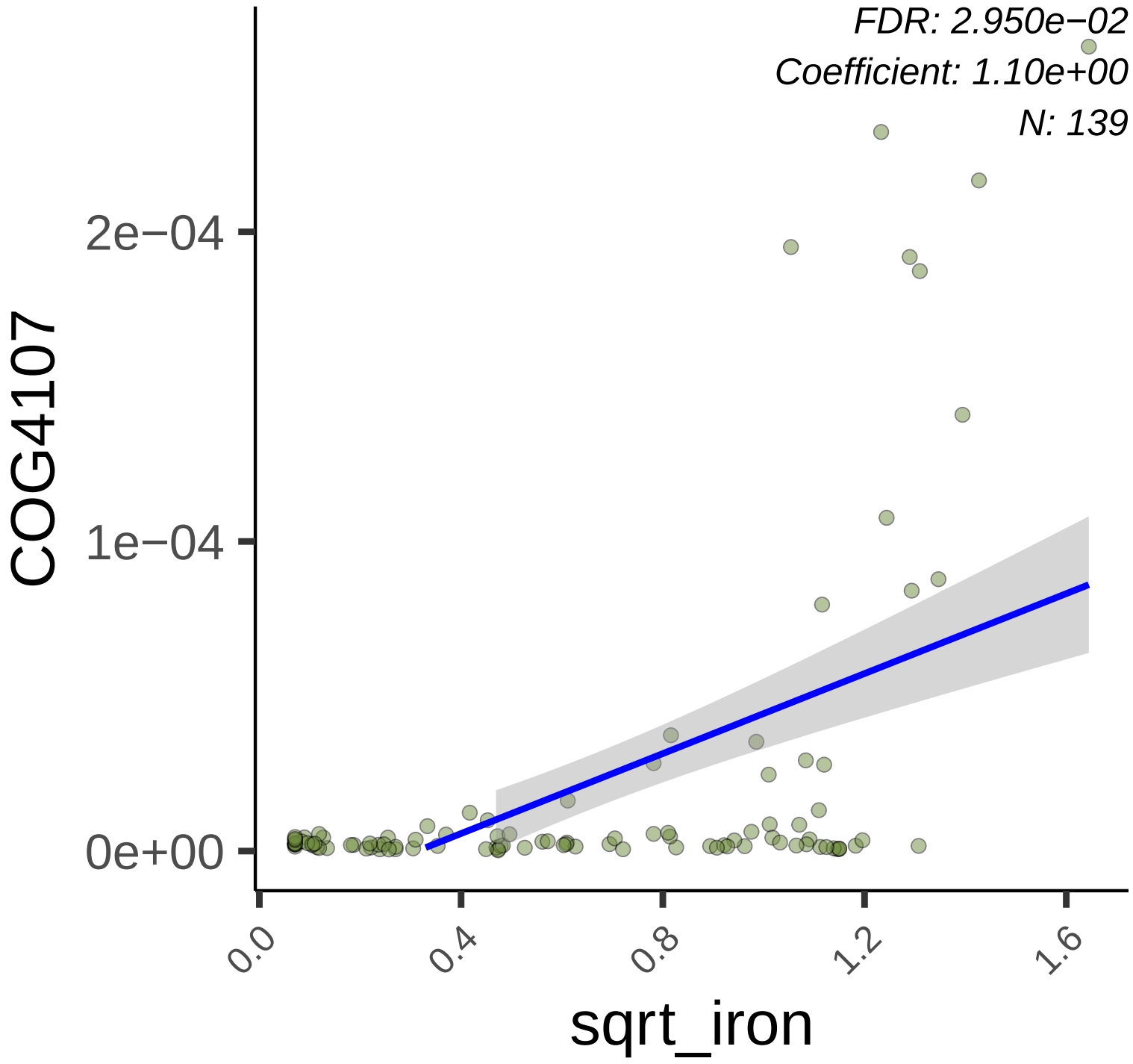
1.6
sqrt_iron


FDR: 2.950e−02
Coefficient: 1.10e+00
N: 139
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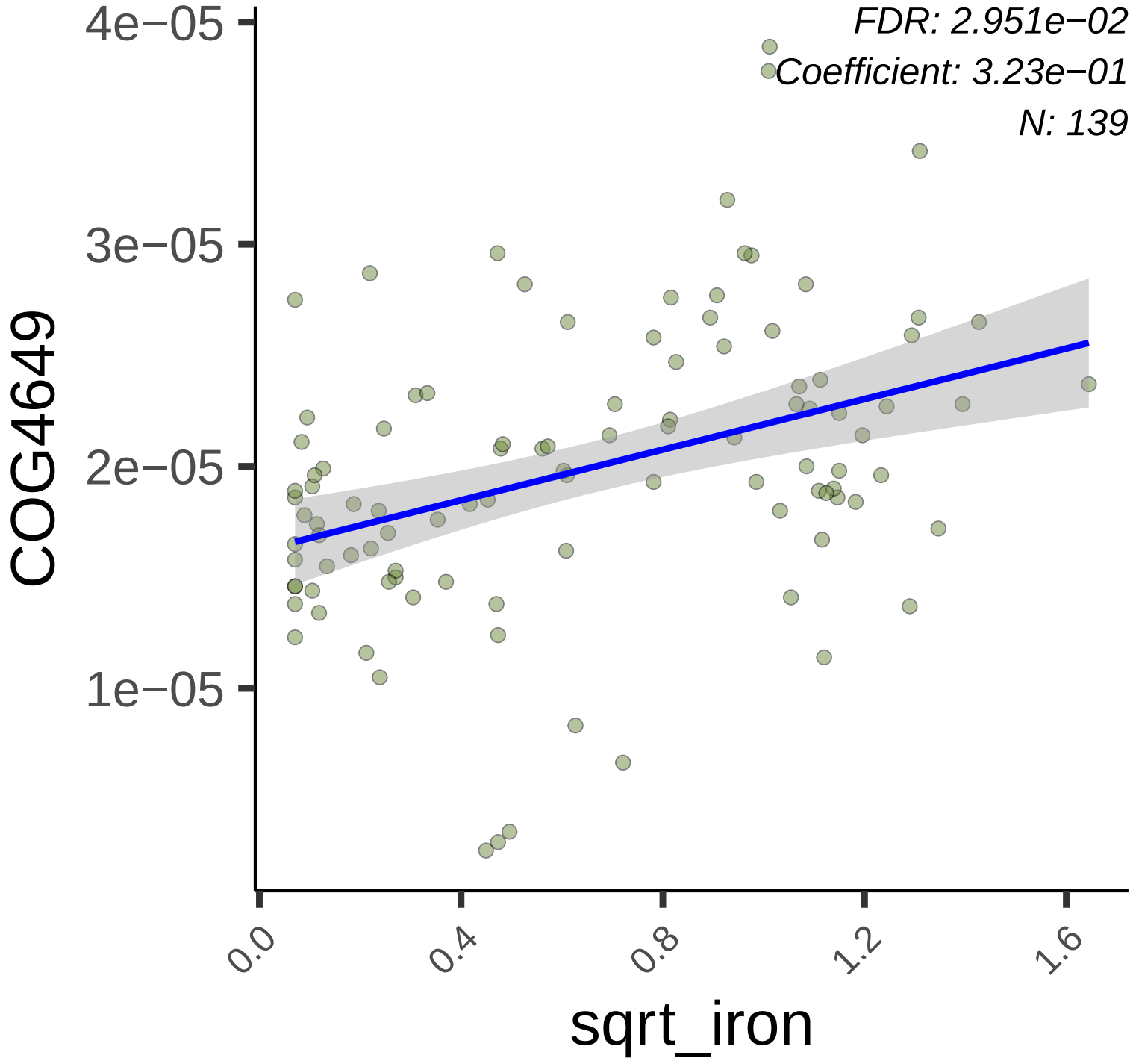
1.6
sqrt_iron


FDR: 2.951e−02
Coefficient: 3.23e−01
N: 139
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COG4649
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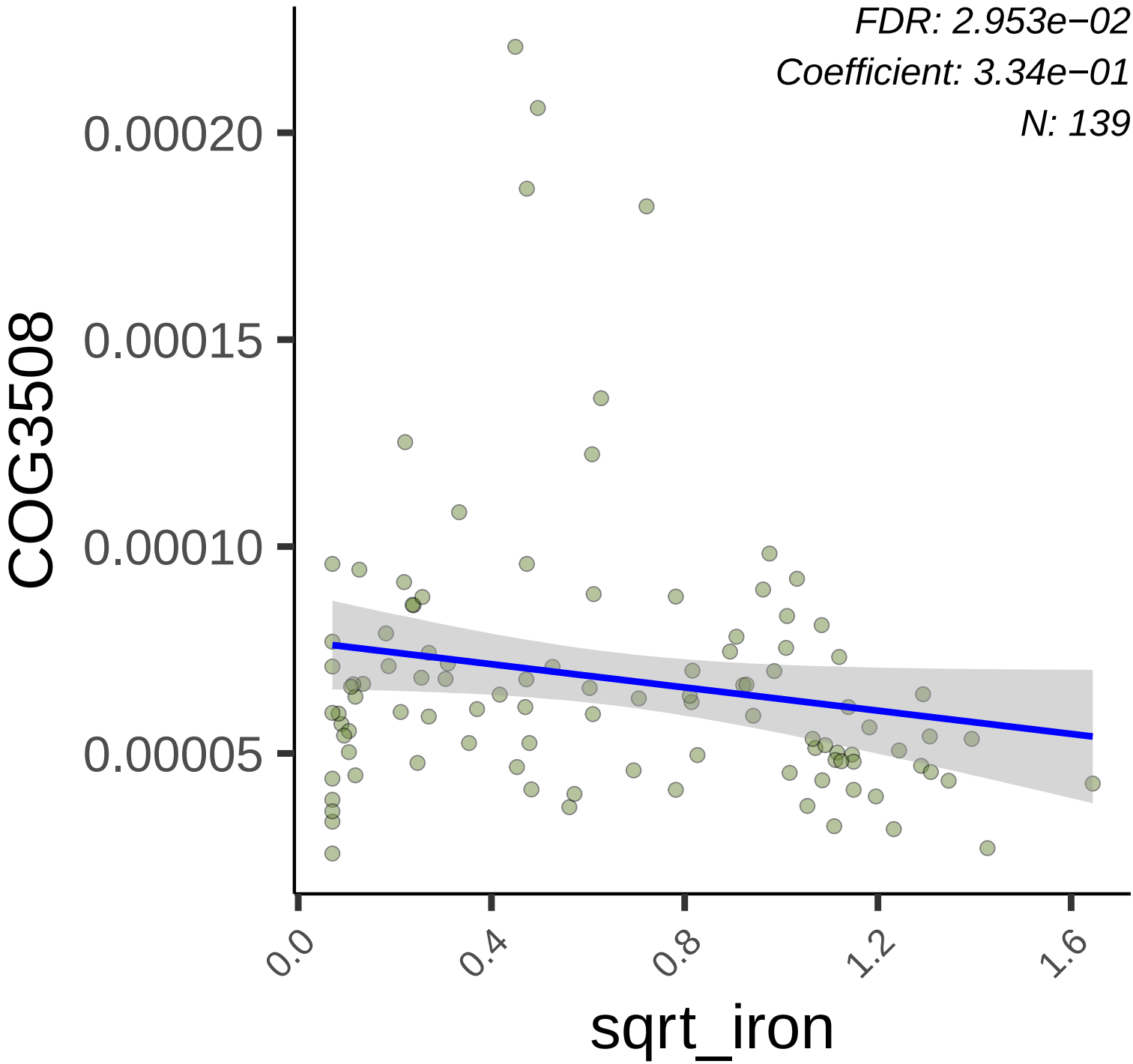
1.6
sqrt_iron


FDR: 2.953e−02
Coefficient: 3.34e−01
N: 139
COG3508
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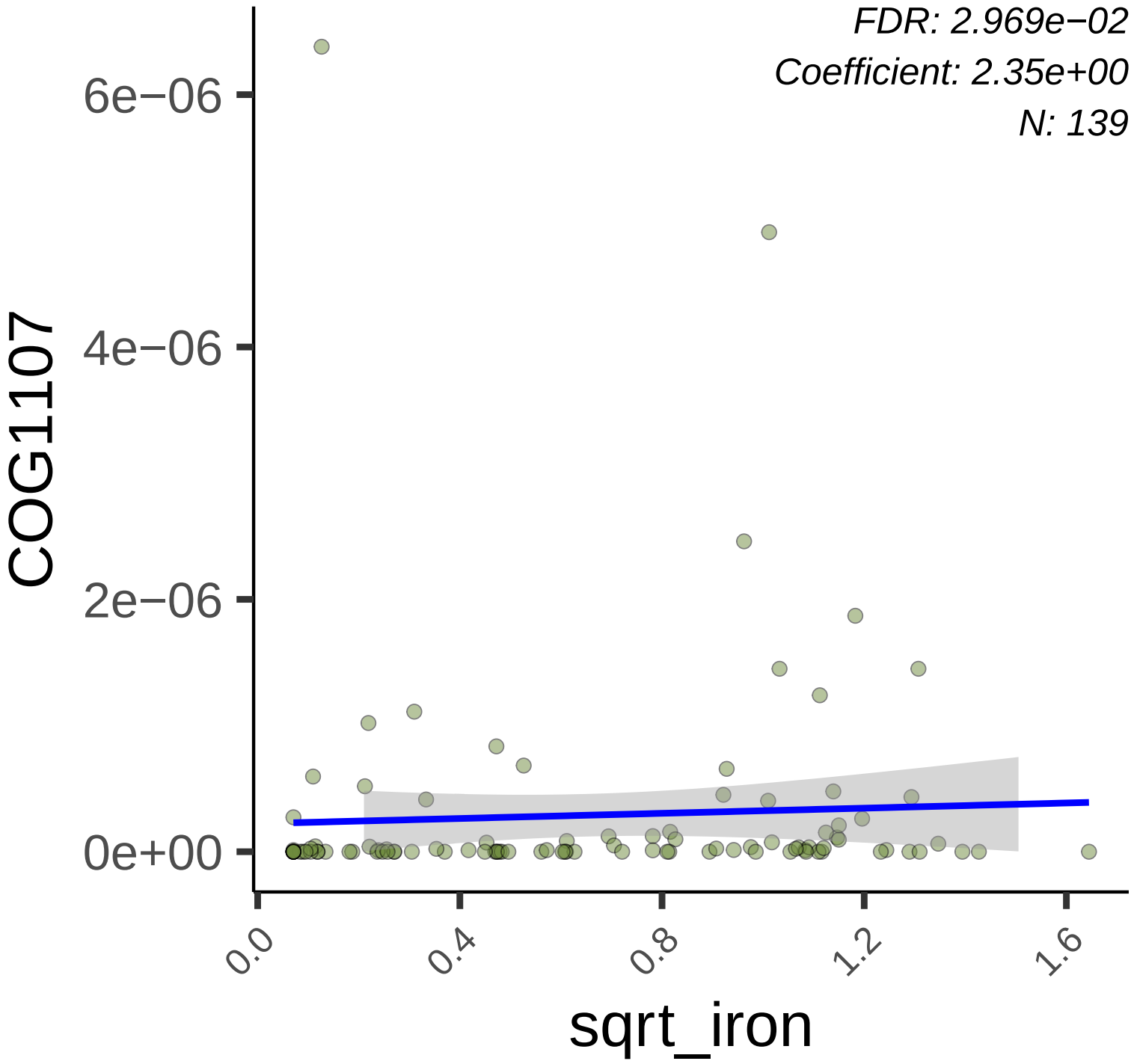
1.6
sqrt_iron


FDR: 2.969e−02
Coefficient: 2.35e+00
N: 139
COG1107
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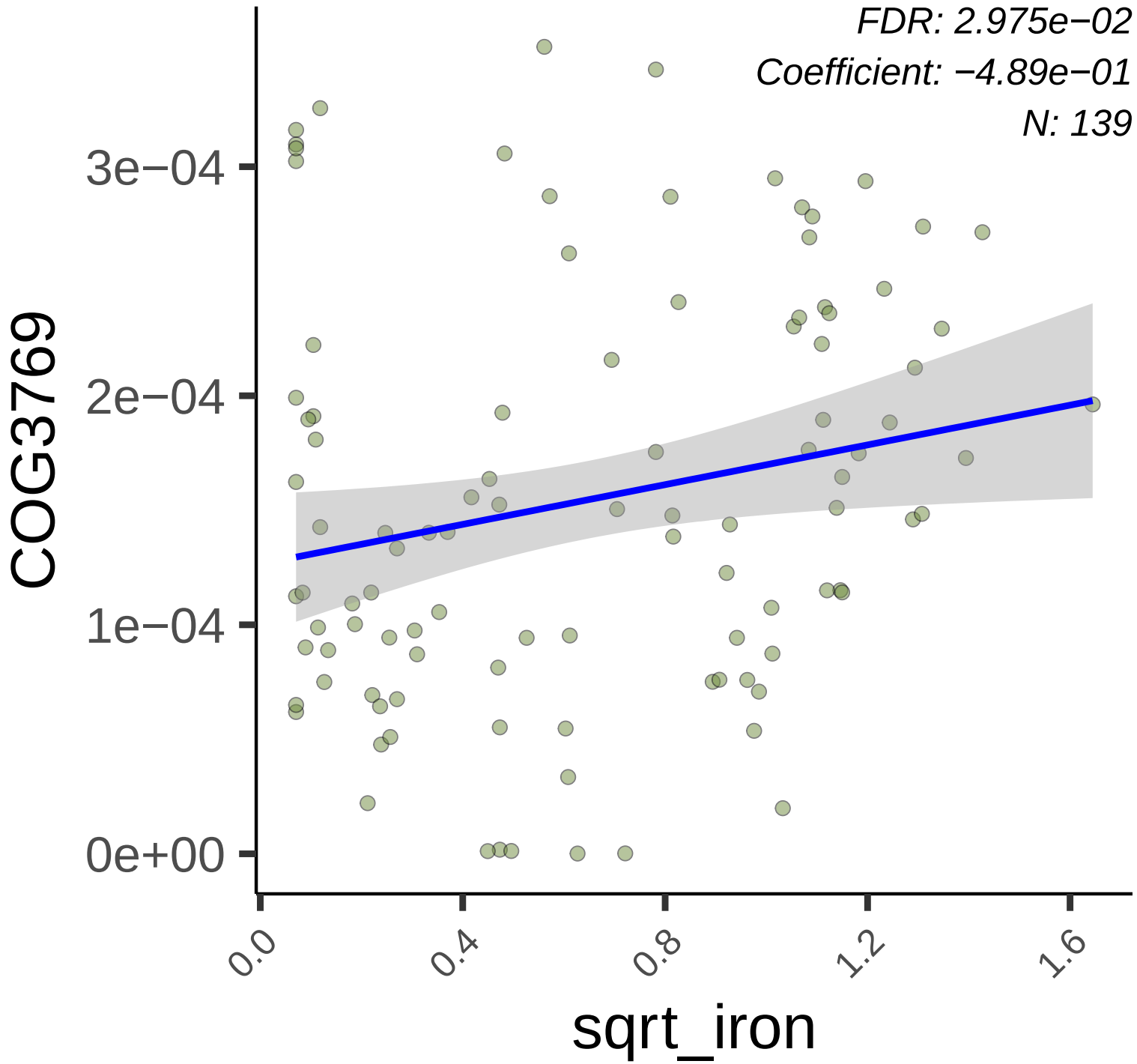
1.6
sqrt_iron


FDR: 2.975e−02
Coefficient: −4.89e−01
N: 139
COG3769
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1e−04
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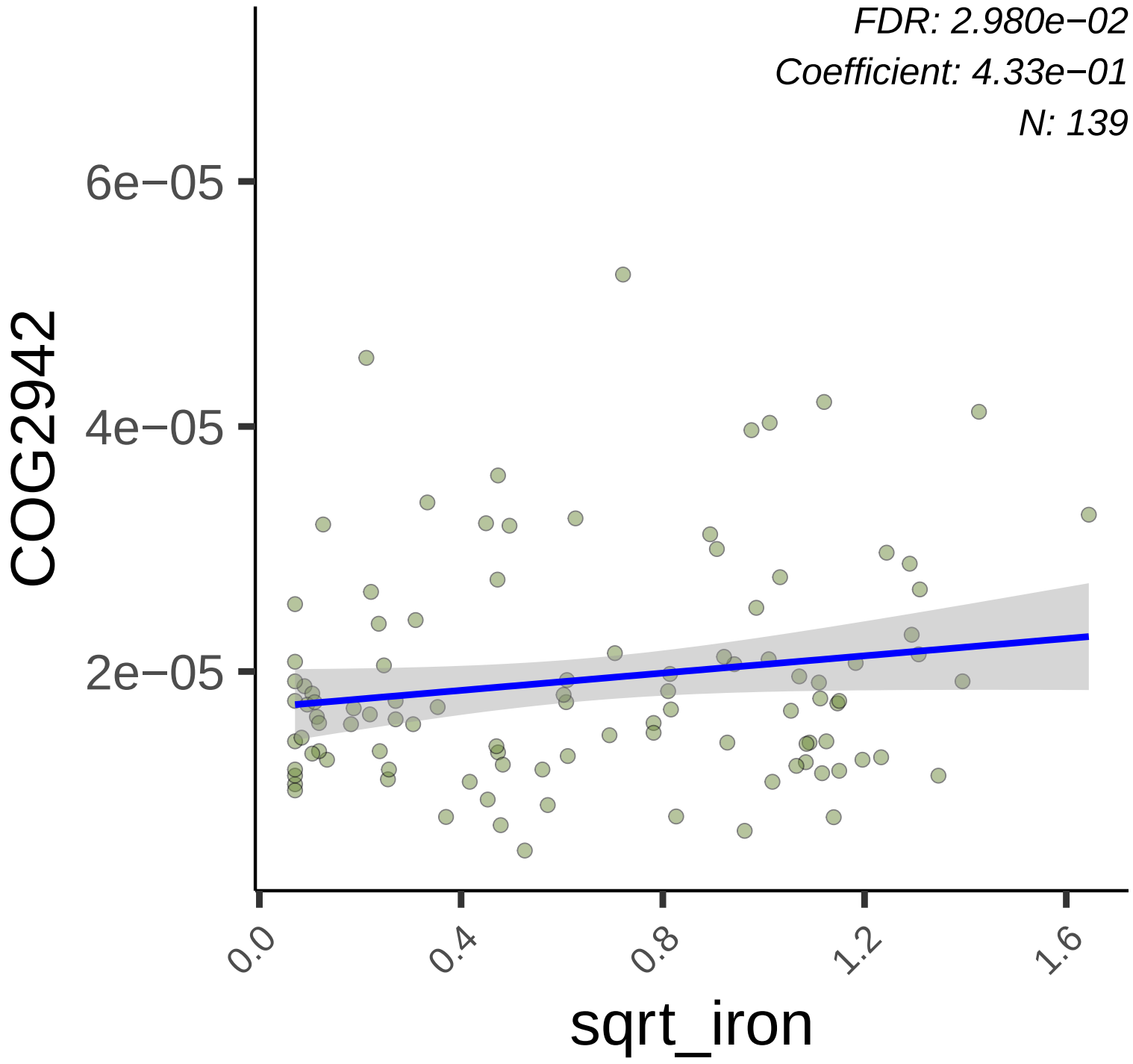
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.980e−02
Coefficient: 4.33e−01
N: 139
COG2942
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4e−05
2e−05
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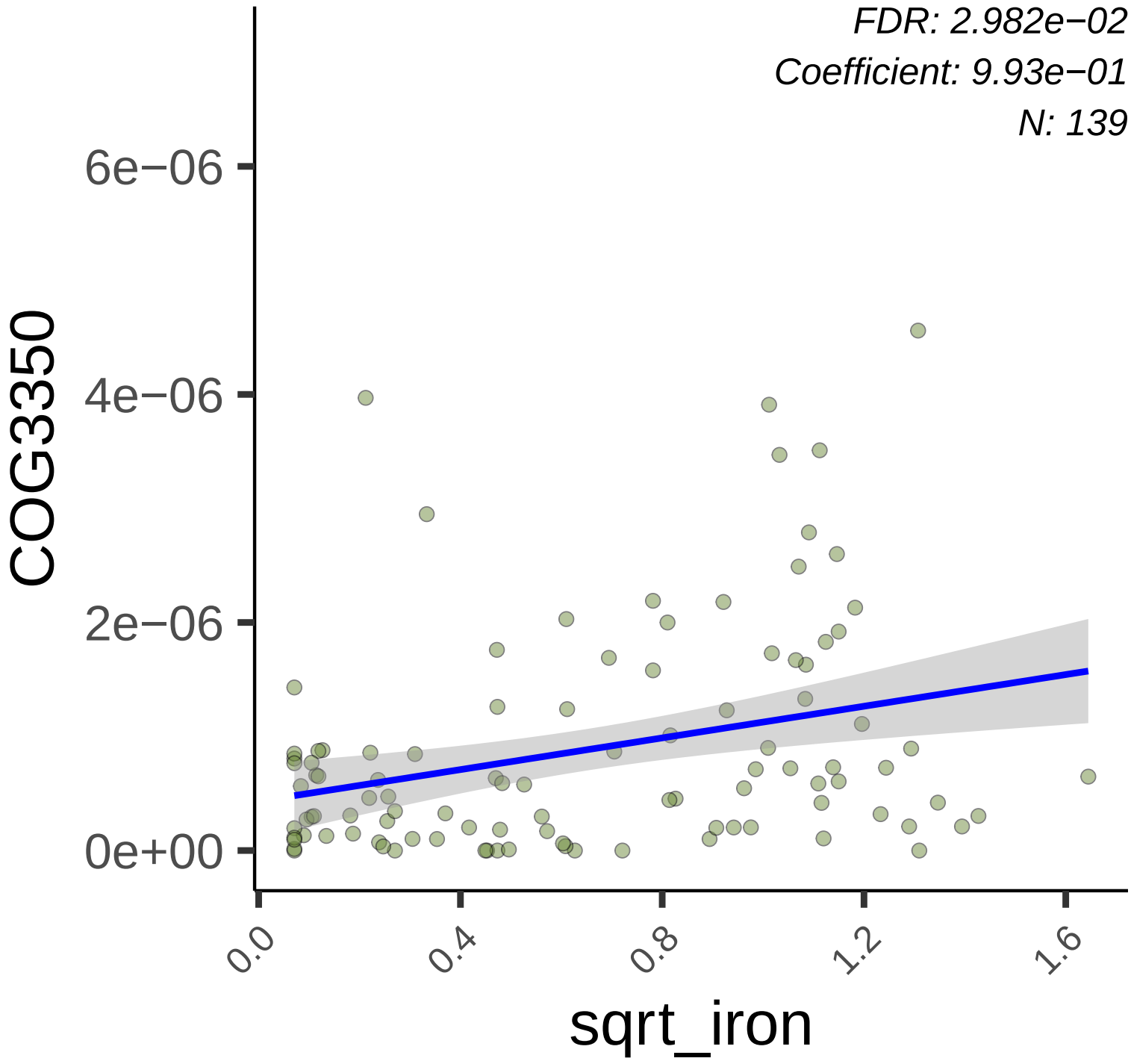
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.982e−02
Coefficient: 9.93e−01
N: 139
COG3350
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4e−06
2e−06
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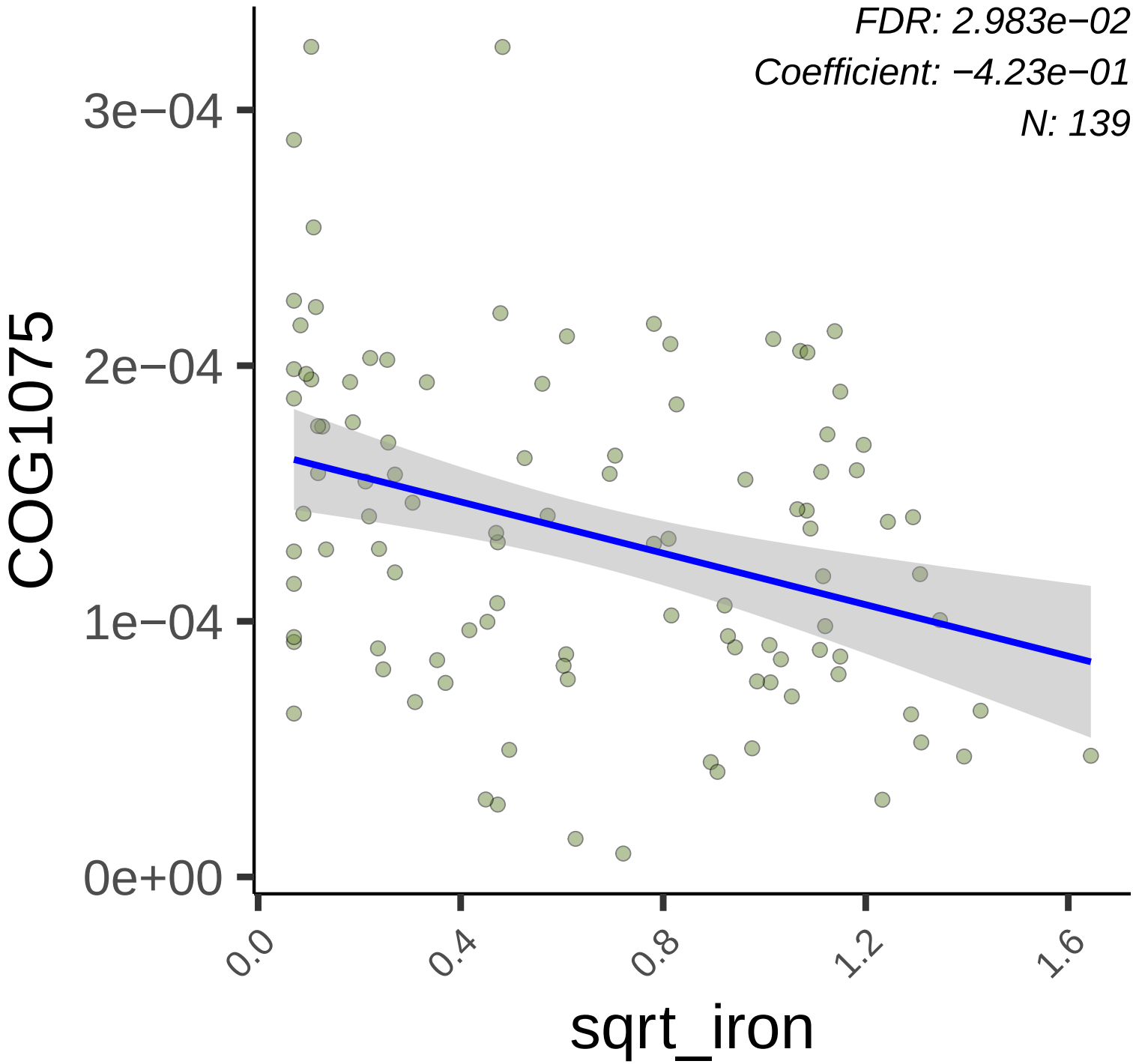
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.983e−02
Coefficient: −4.23e−01
N: 139
COG1075
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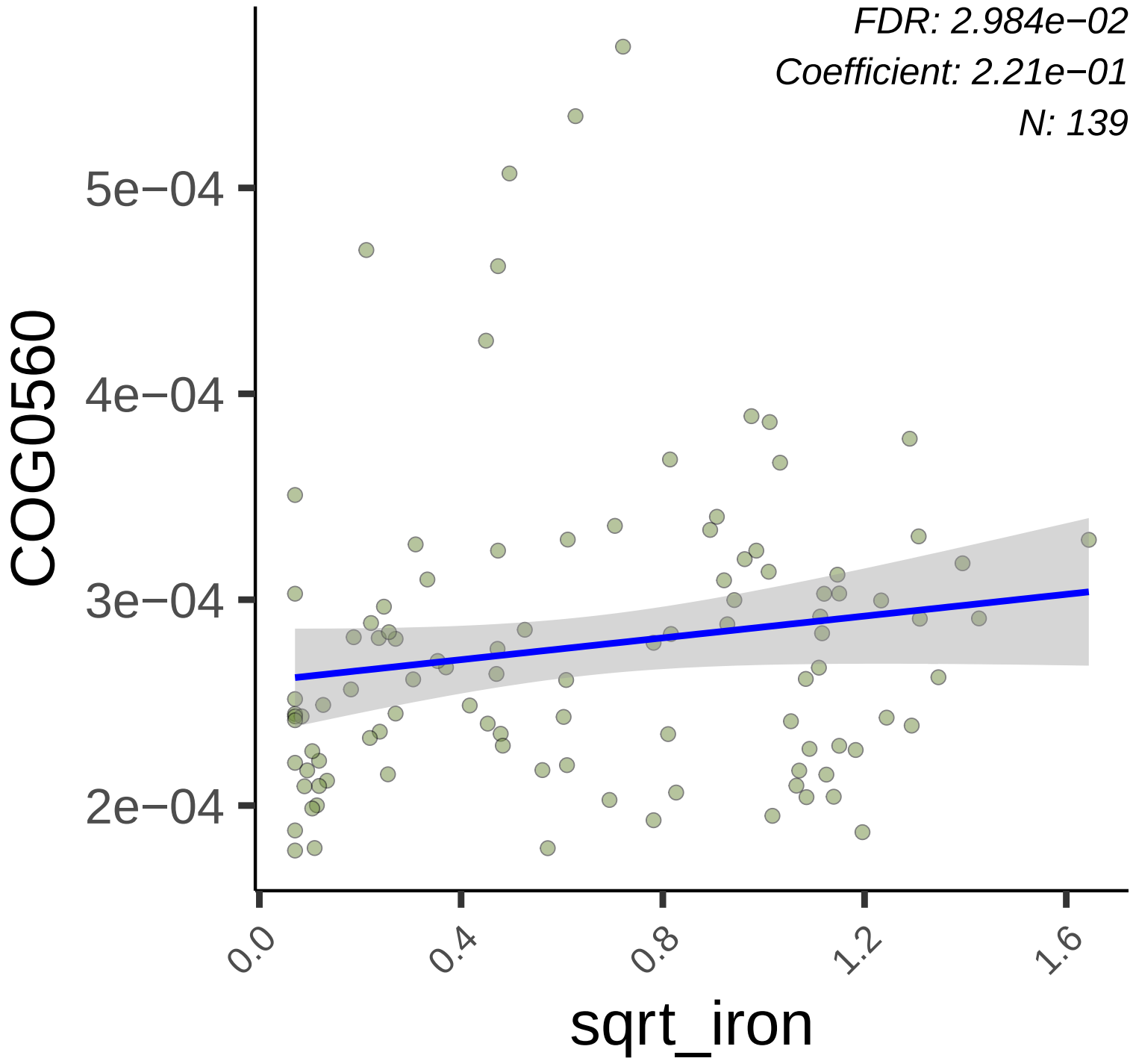
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.984e−02
Coefficient: 2.21e−01
N: 139
COG0560
5e−04
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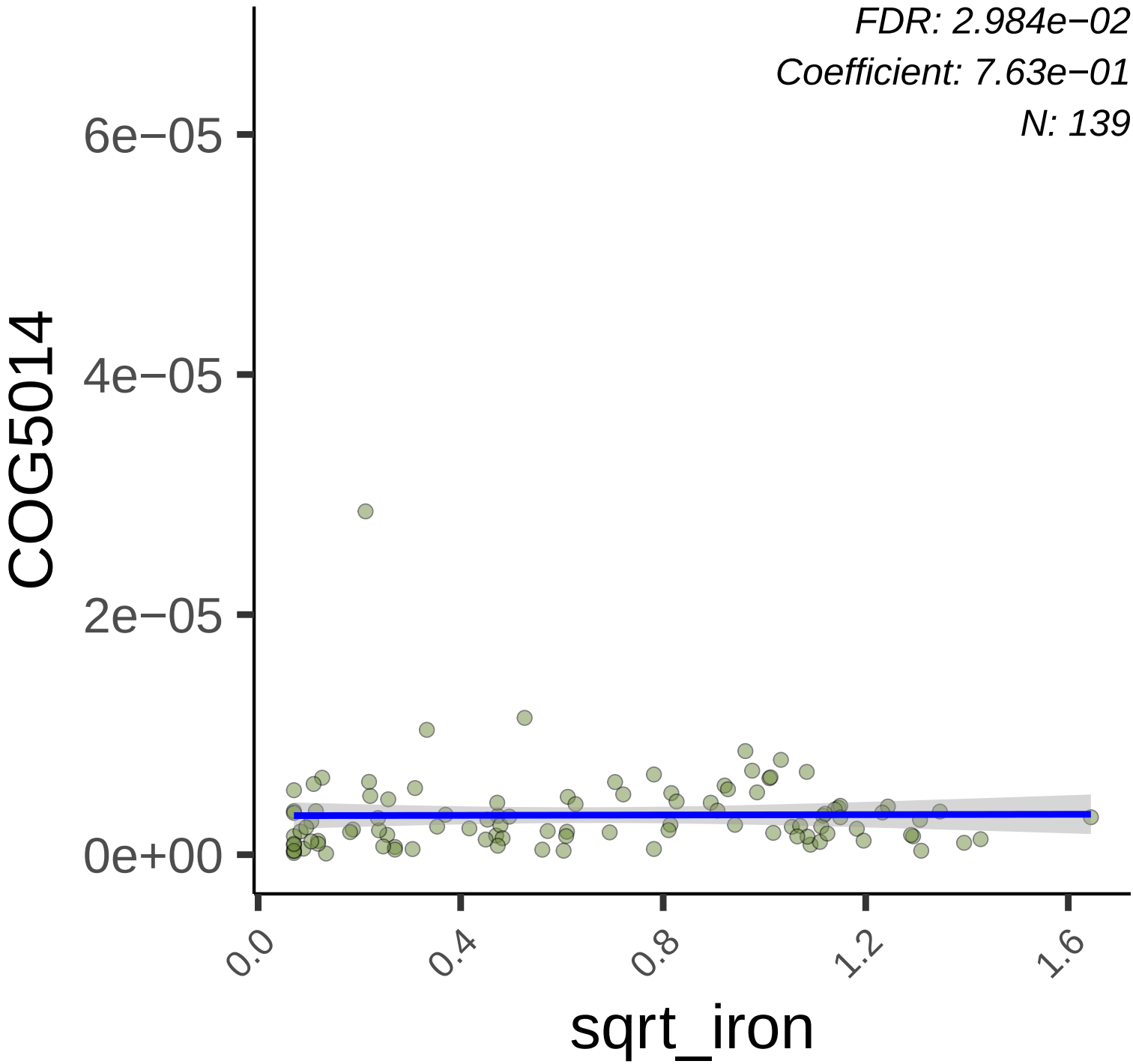
3e−04
2e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.984e−02
Coefficient: 7.63e−01
N: 139
COG5014
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2e−05
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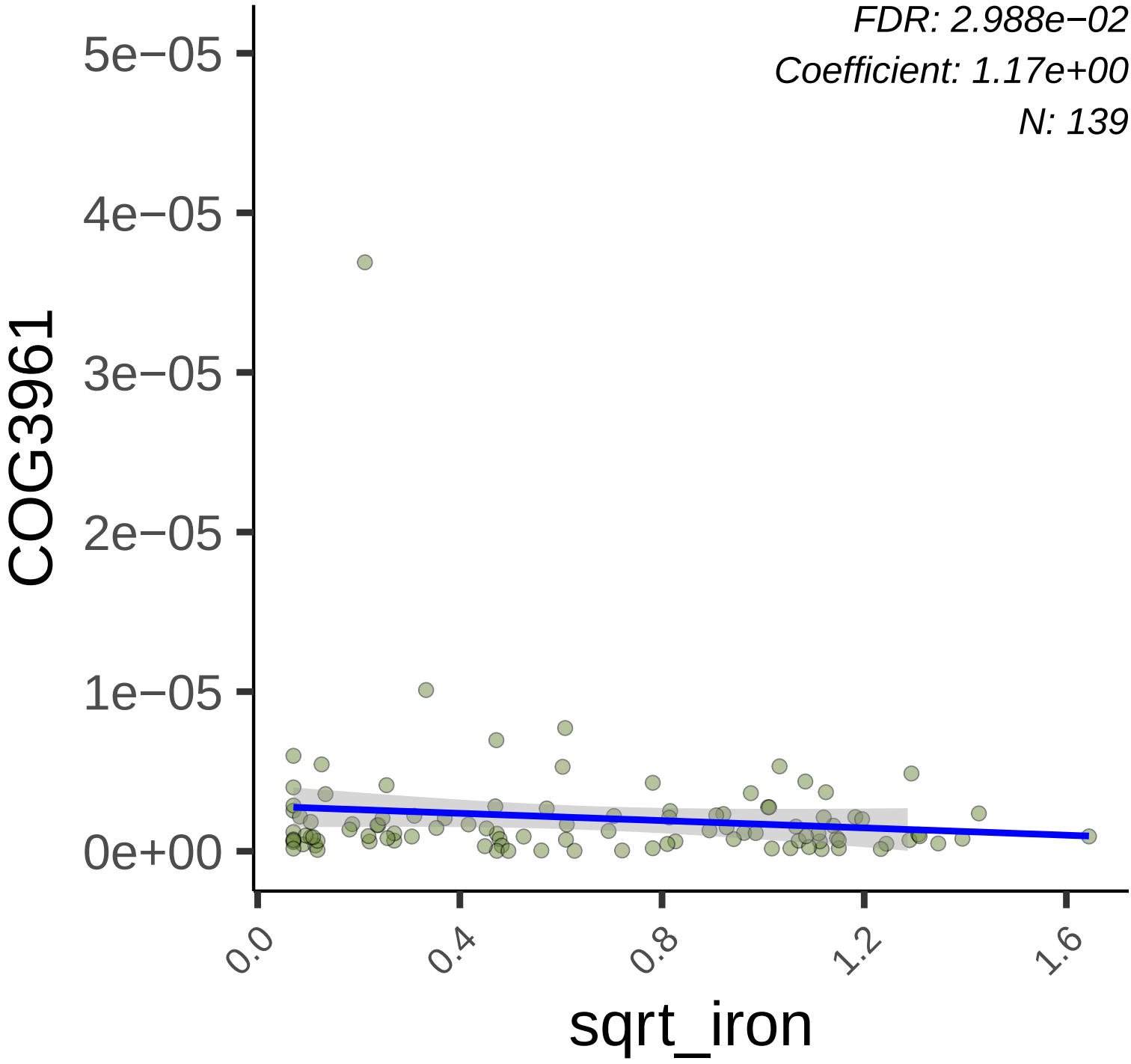
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.988e−02
Coefficient: 1.17e+00
N: 139
COG3961
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2e−05
1e−05
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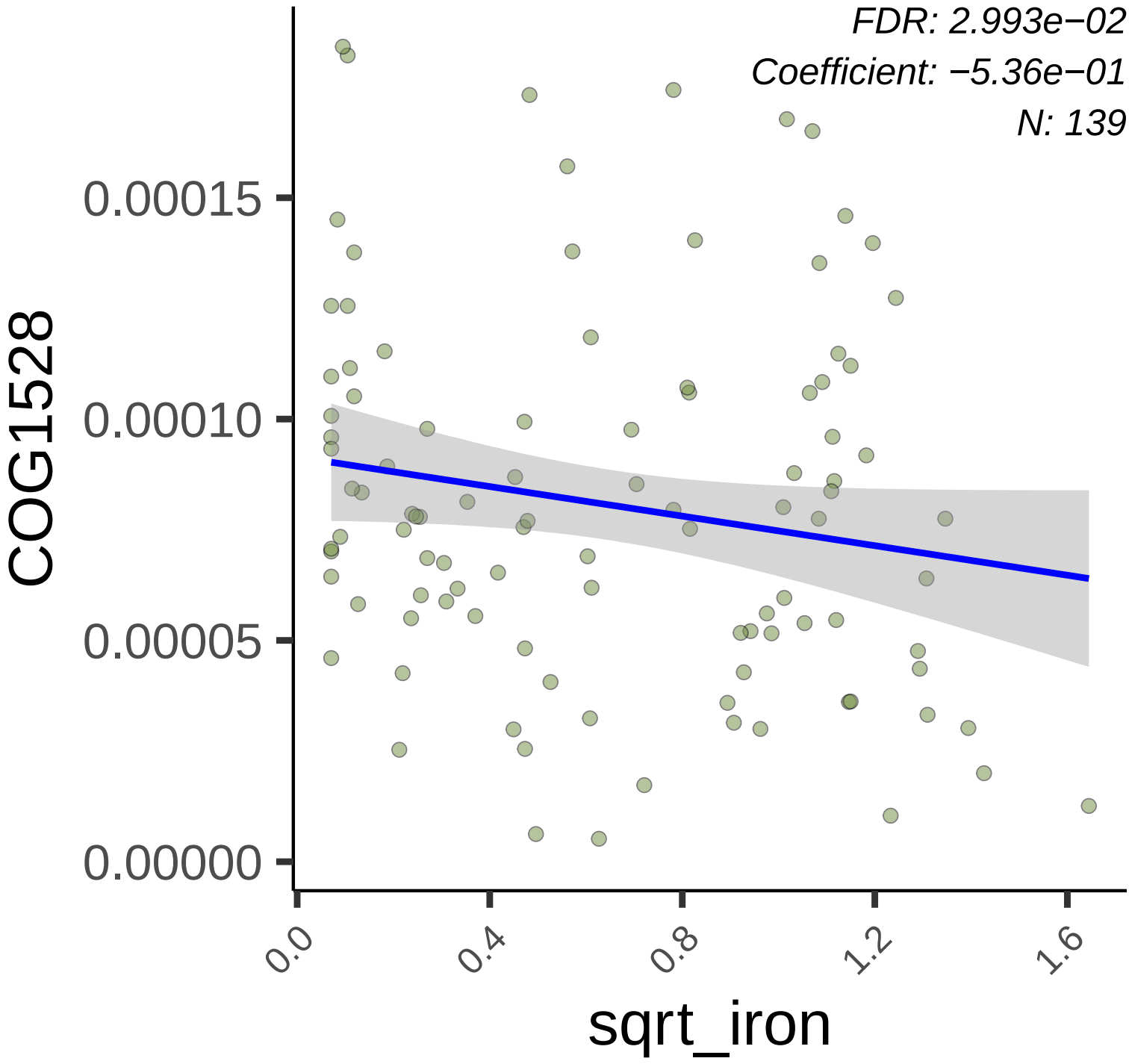
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.993e−02
Coefficient: −5.36e−01
N: 139
COG1528
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0.00010
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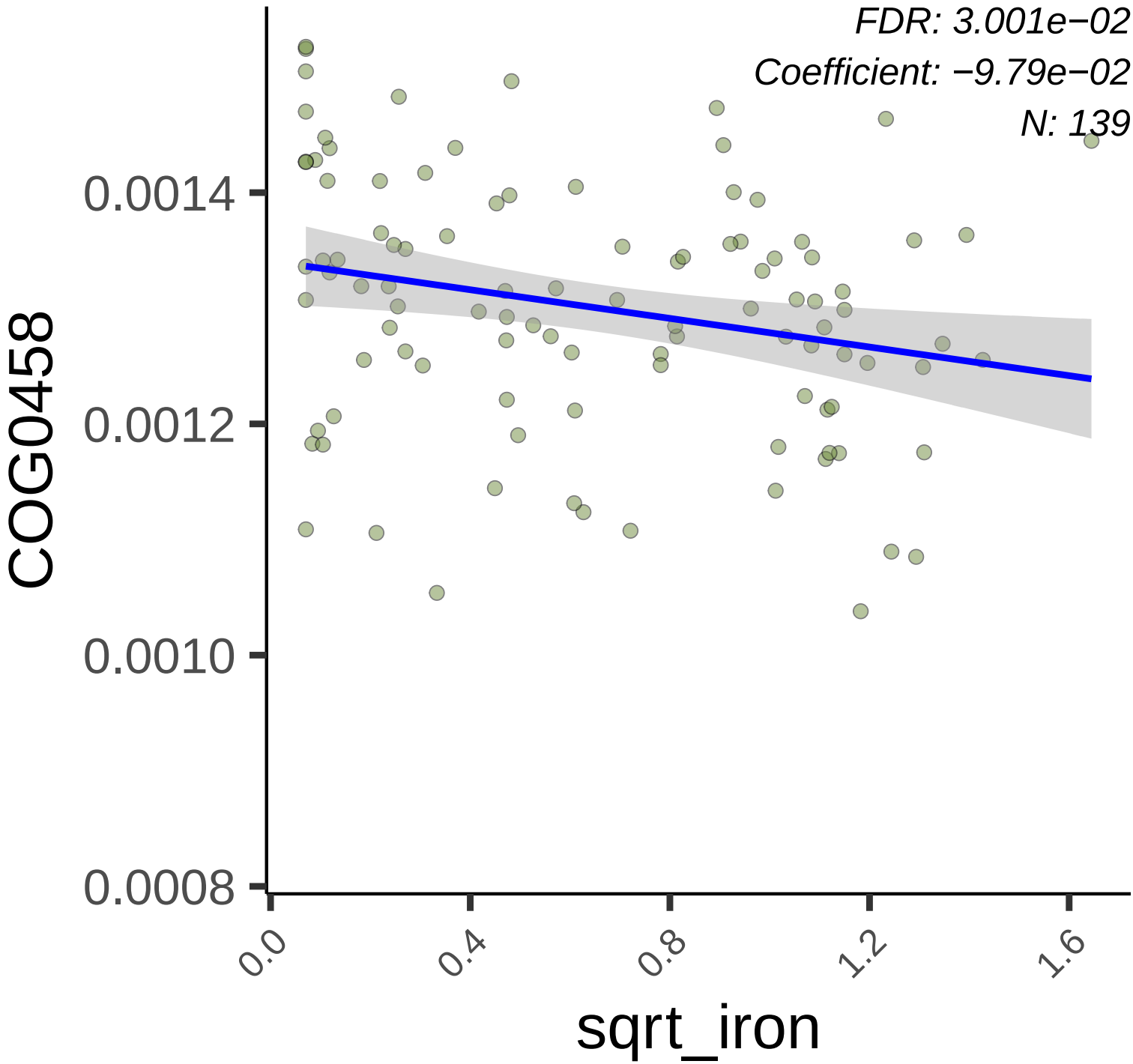
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.001e−02
Coefficient: −9.79e−02
N: 139
COG0458
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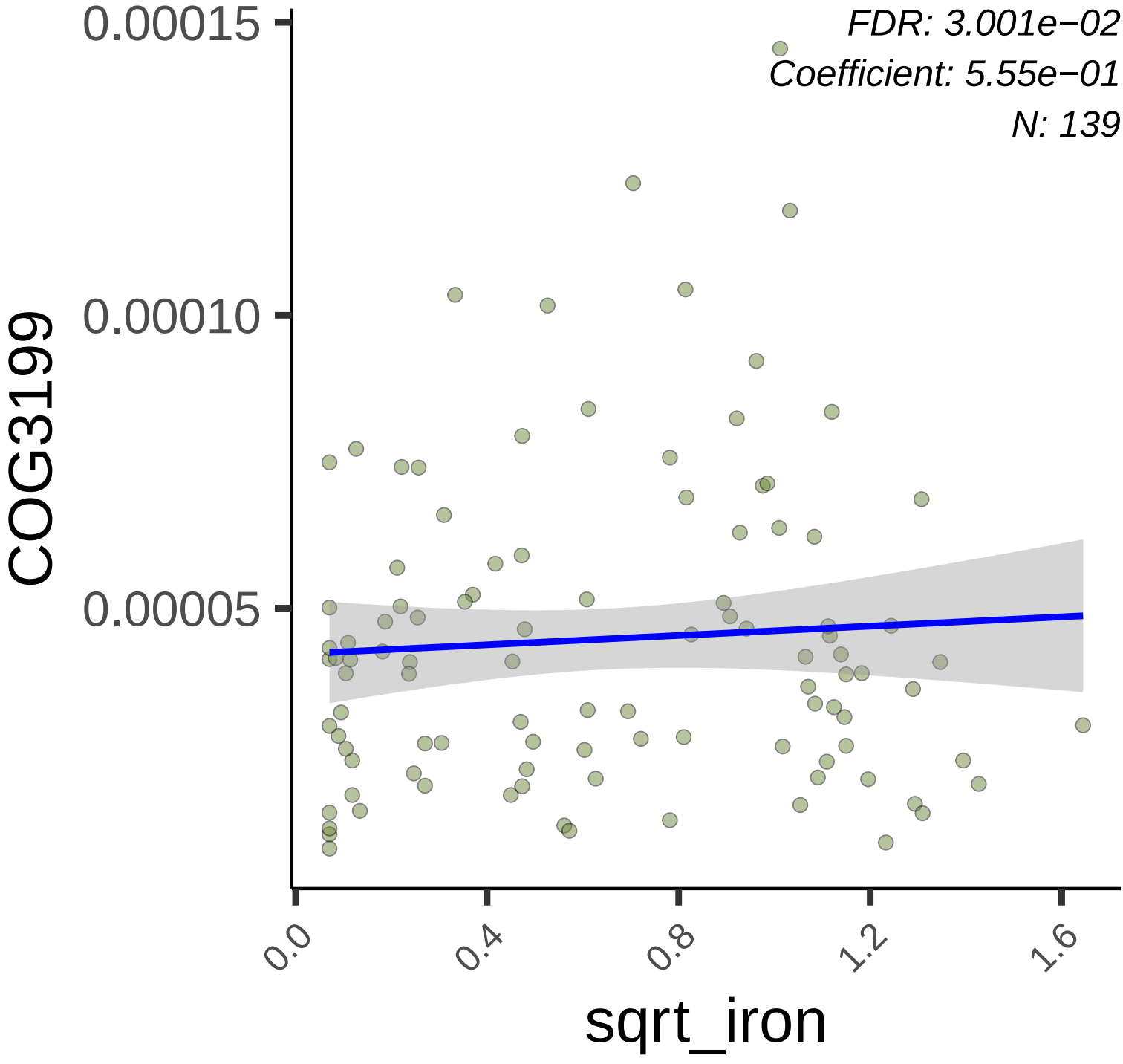
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.001e−02
Coefficient: 5.55e−01
N: 139
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COG3199
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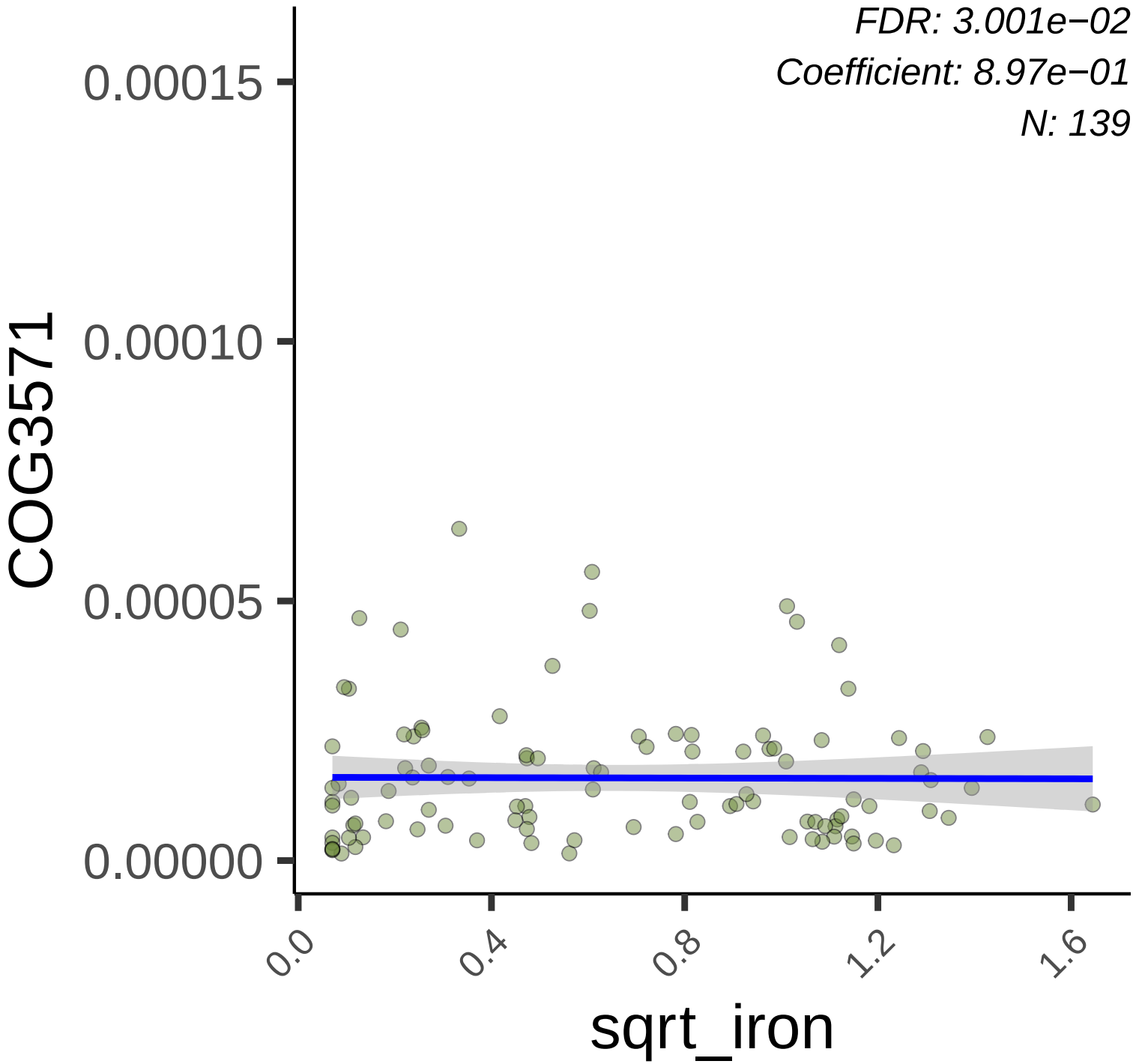
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.001e−02
Coefficient: 8.97e−01
N: 139
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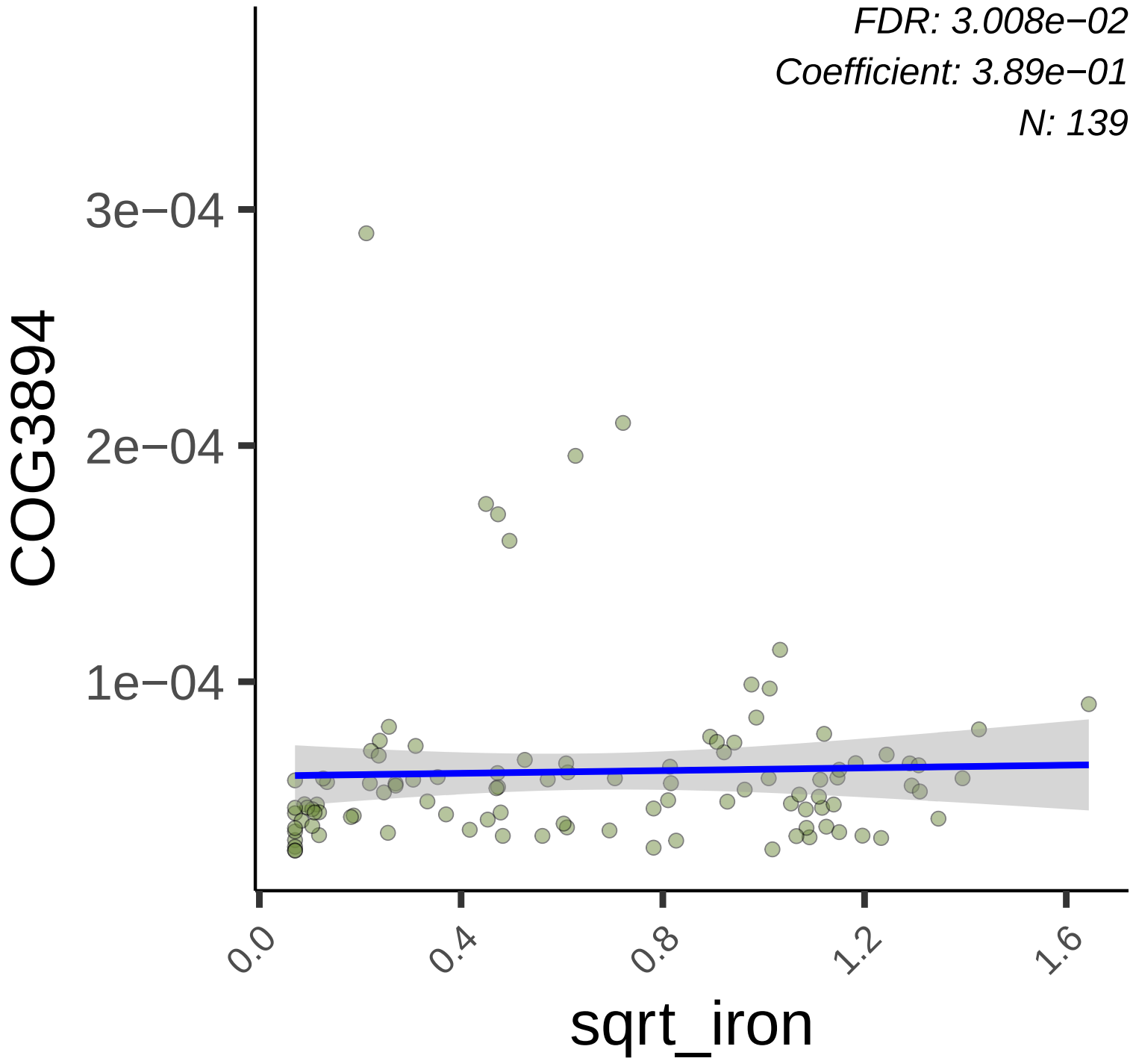
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.008e−02
Coefficient: 3.89e−01
N: 139
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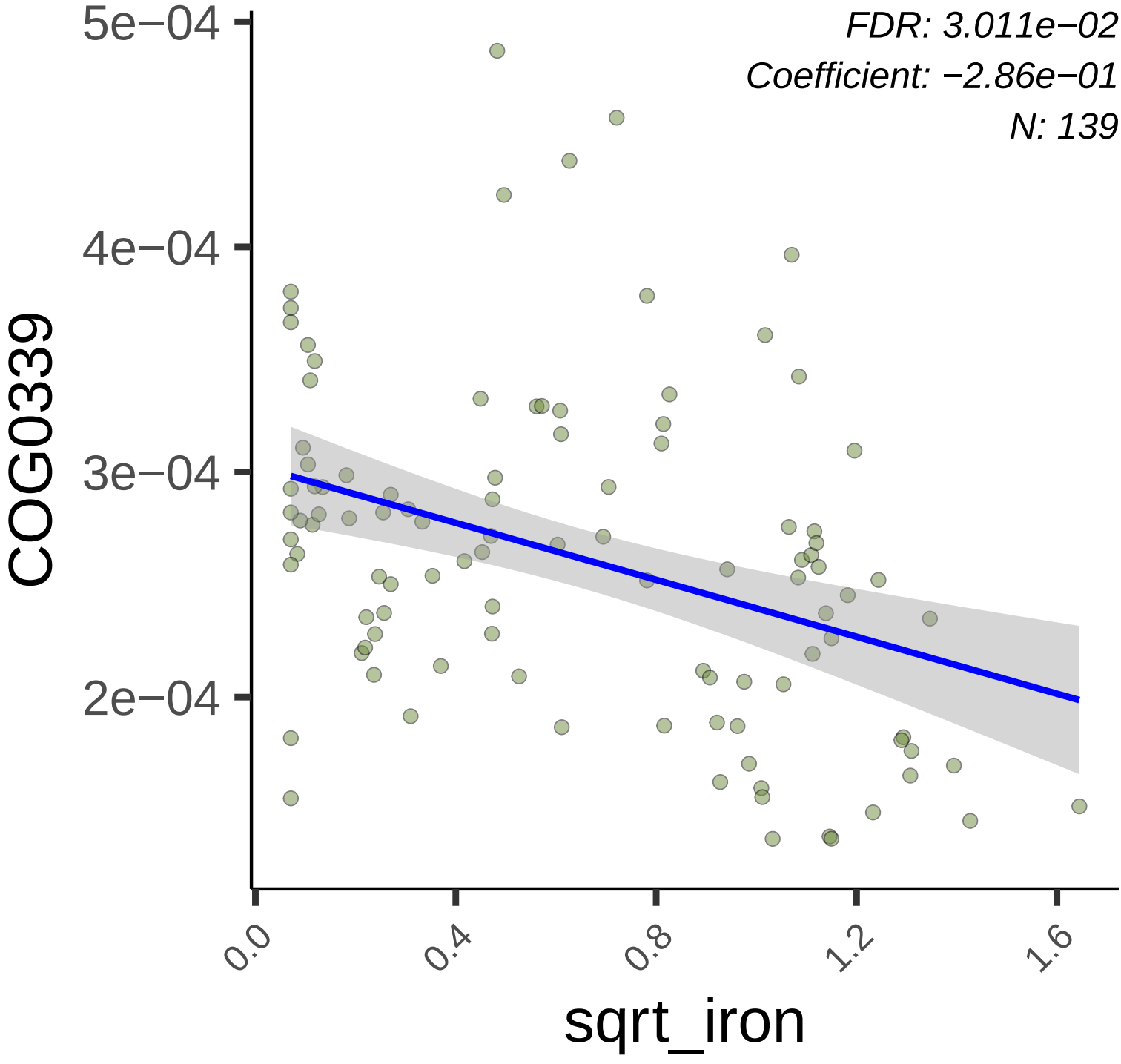
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.011e−02
Coefficient: −2.86e−01
N: 139
5e−04
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3e−04
2e−04
COG0339
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0.4
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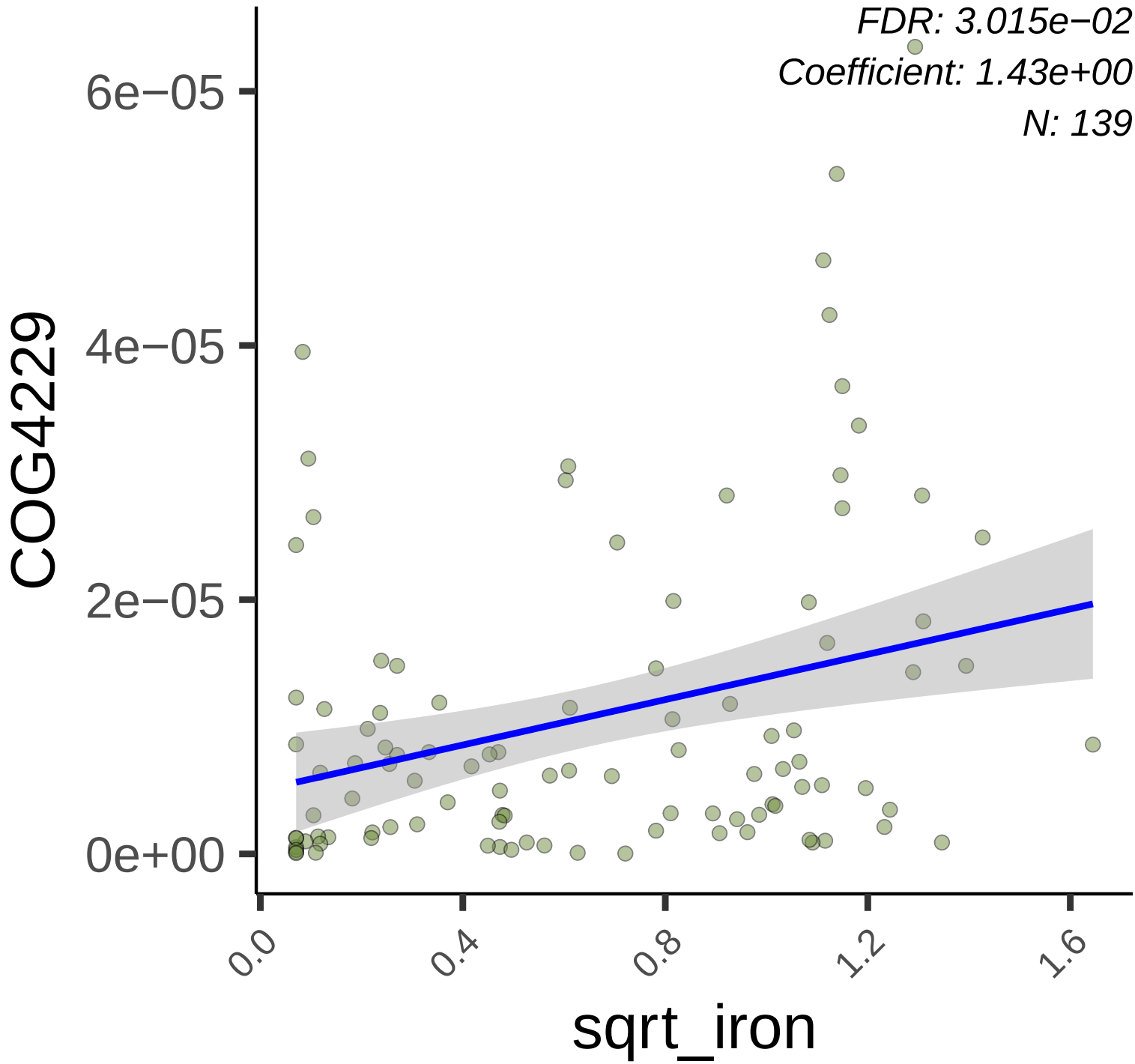
1.2
1.6
sqrt_iron


FDR: 3.015e−02
Coefficient: 1.43e+00
N: 139
COG4229
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4e−05
2e−05
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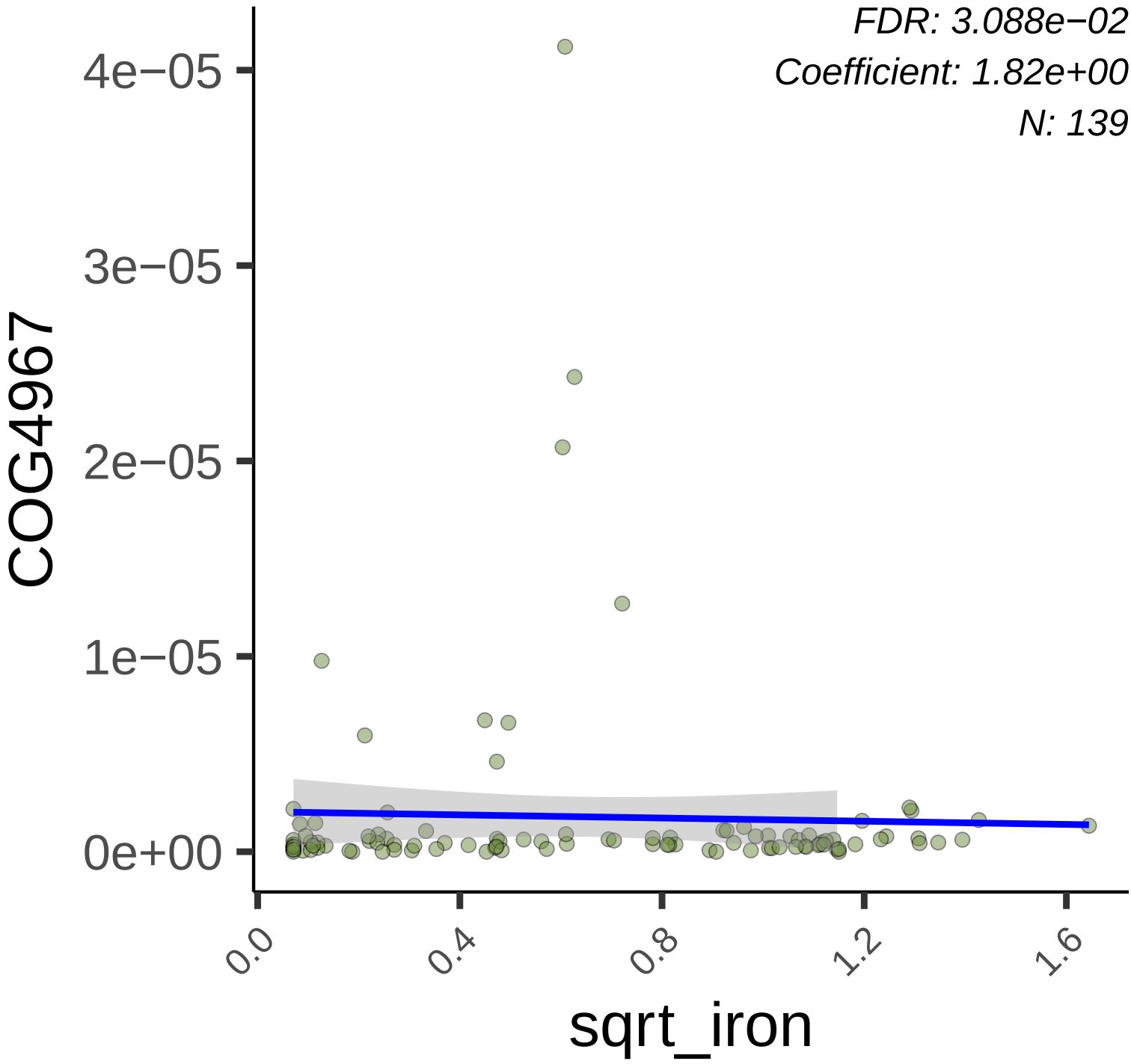
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.088e−02
Coefficient: 1.82e+00
N: 139
COG4967
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2e−05
1e−05
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0.4
0.8
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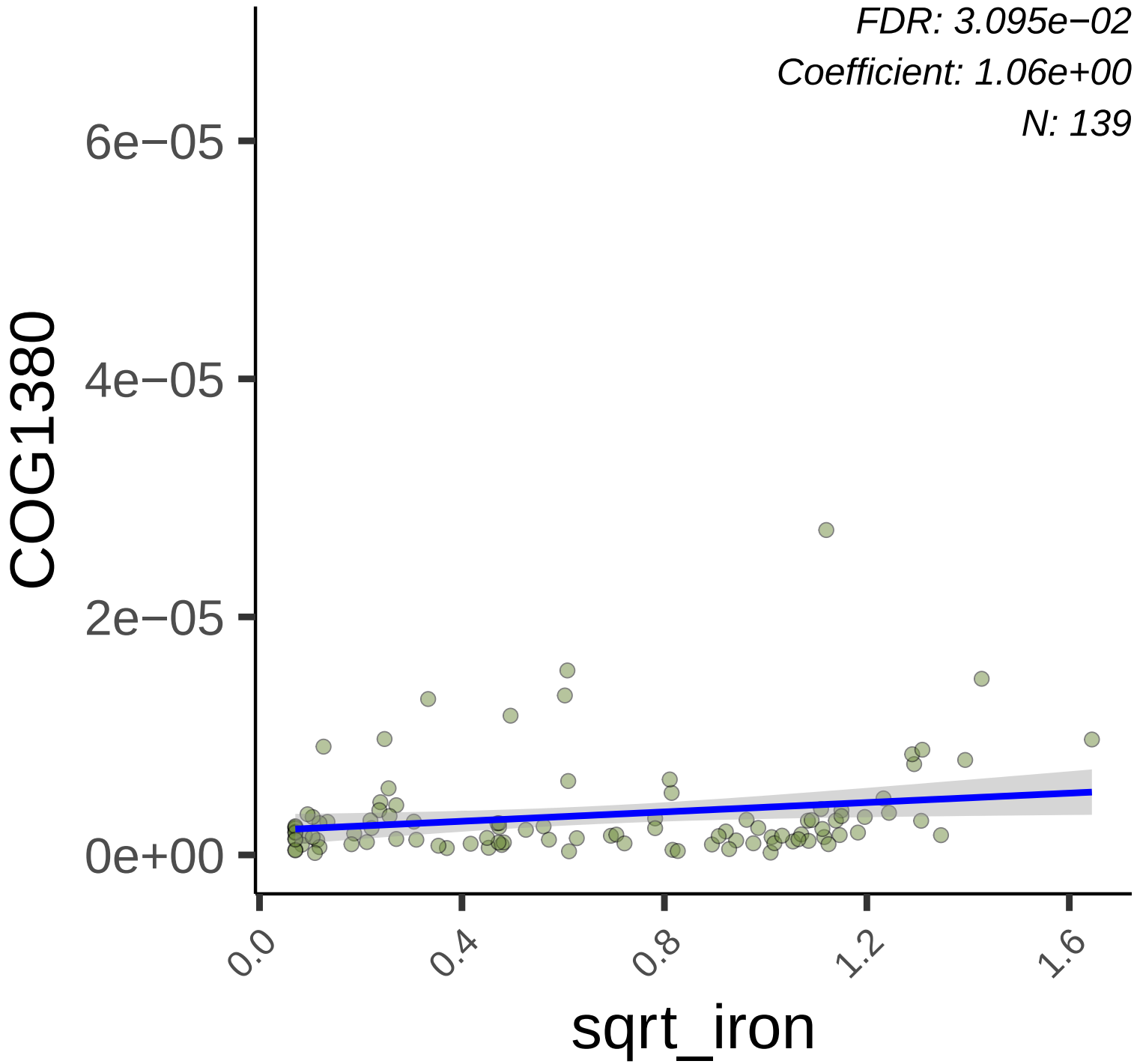
1.6
sqrt_iron


FDR: 3.095e−02
Coefficient: 1.06e+00
N: 139
COG1380
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4e−05
2e−05
0e+00
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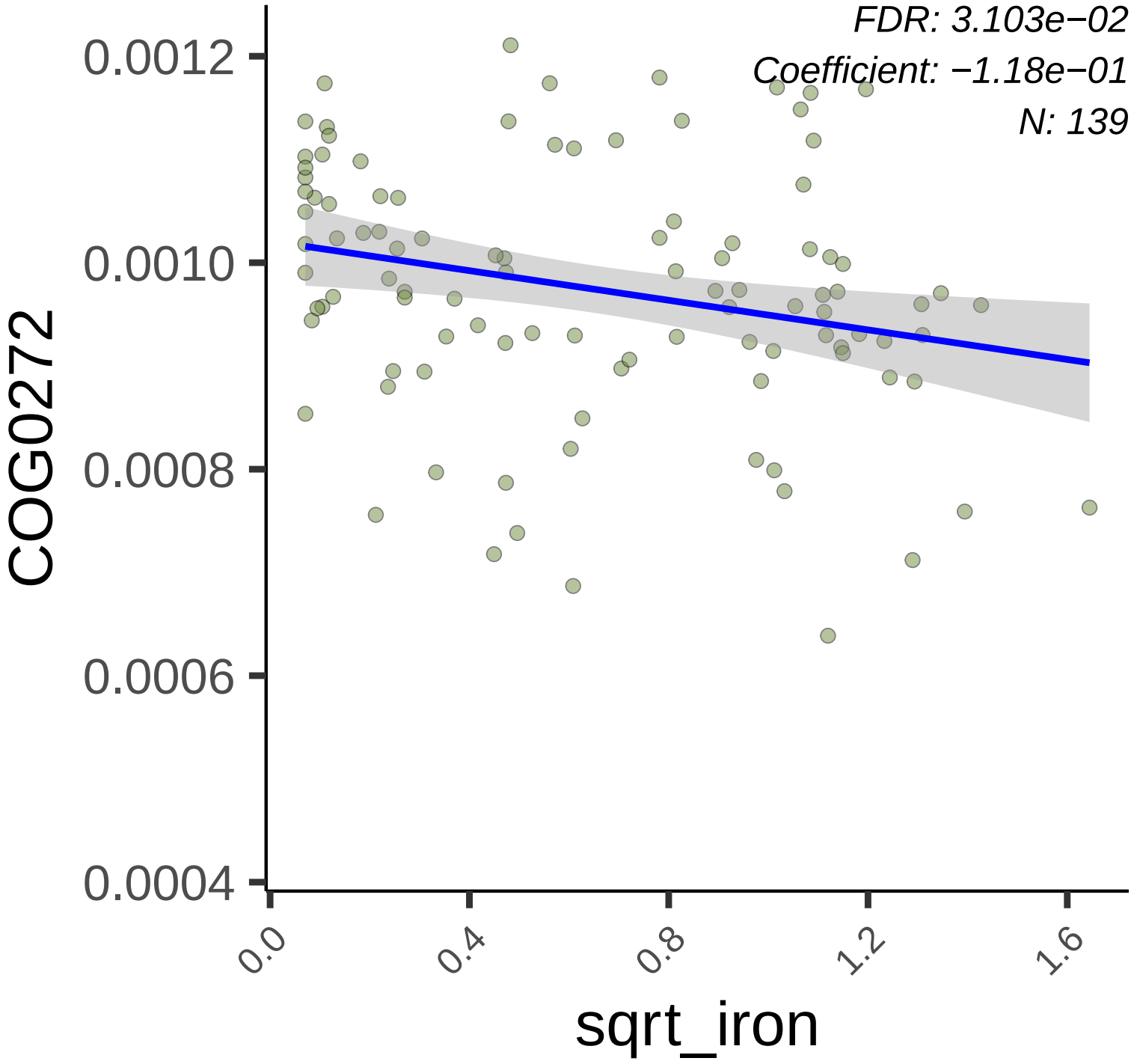
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.103e−02
Coefficient: −1.18e−01
N: 139
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0.0010
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0.0006
0.0004
COG0272
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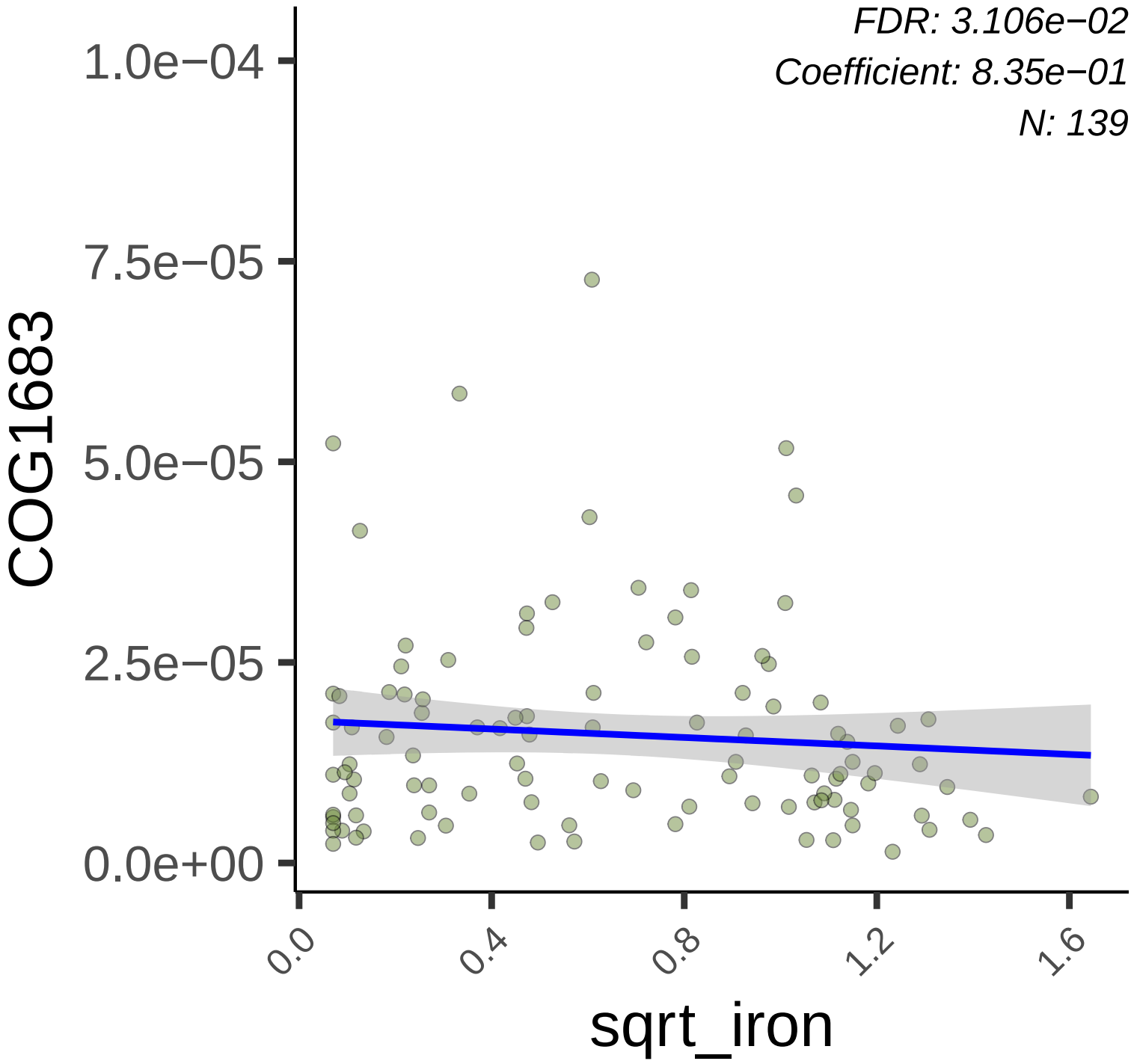
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.106e−02
Coefficient: 8.35e−01
N: 139
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7.5e−05
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0.0e+00
COG1683
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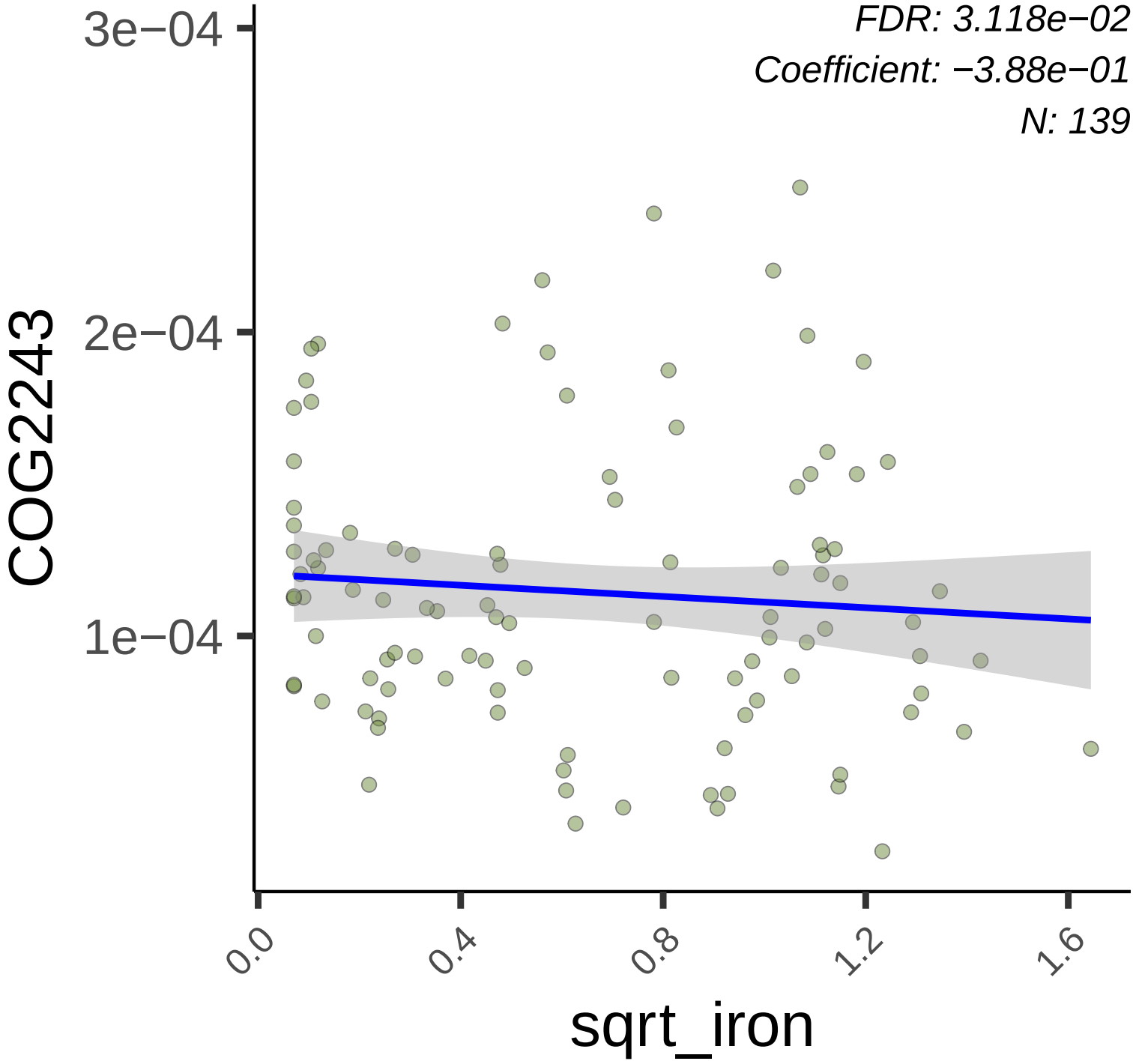
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.118e−02
Coefficient: −3.88e−01
N: 139
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2e−04
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COG2243
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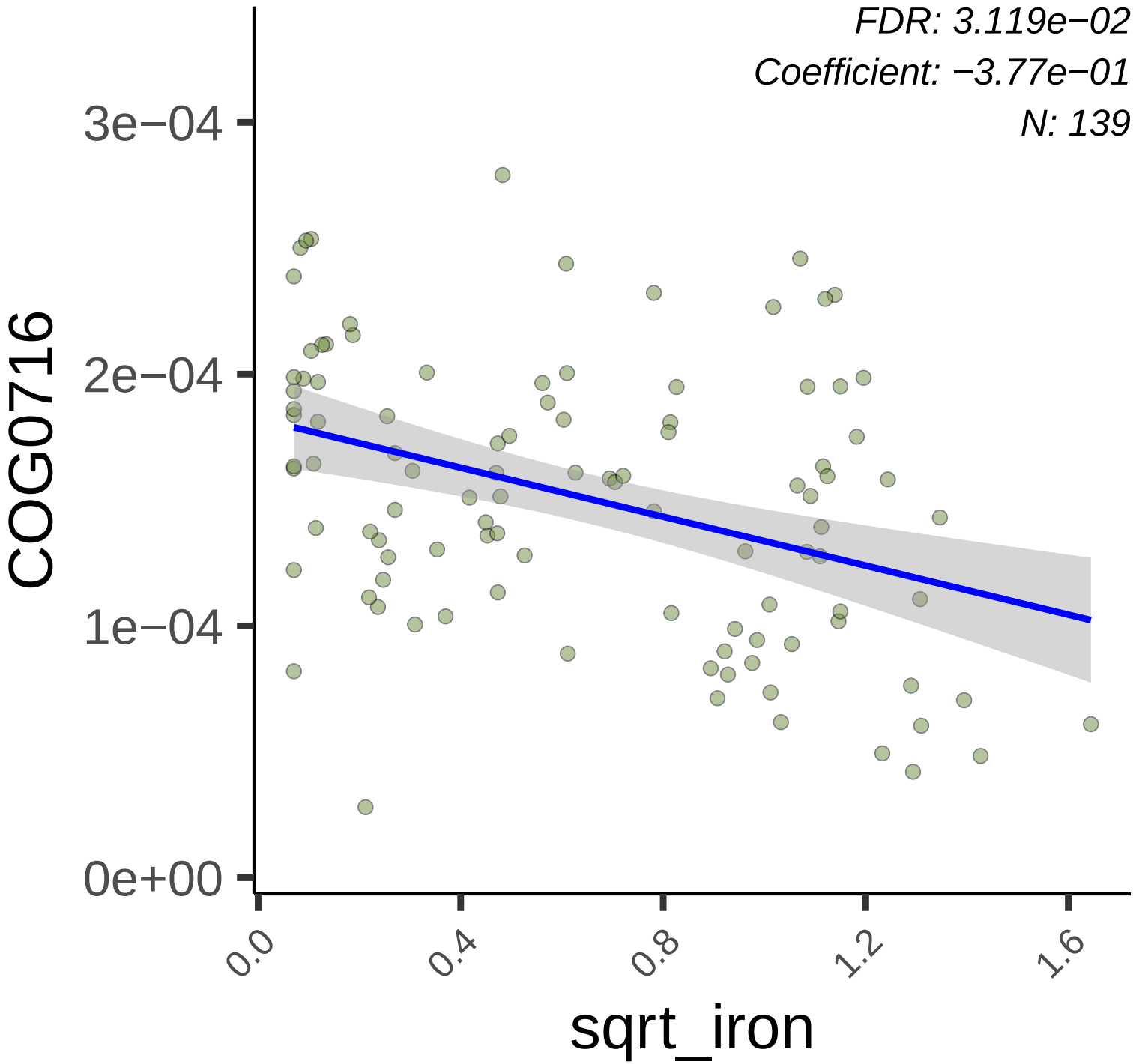
1.2
1.6
sqrt_iron


FDR: 3.119e−02
Coefficient: −3.77e−01
N: 139
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1e−04
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0.4
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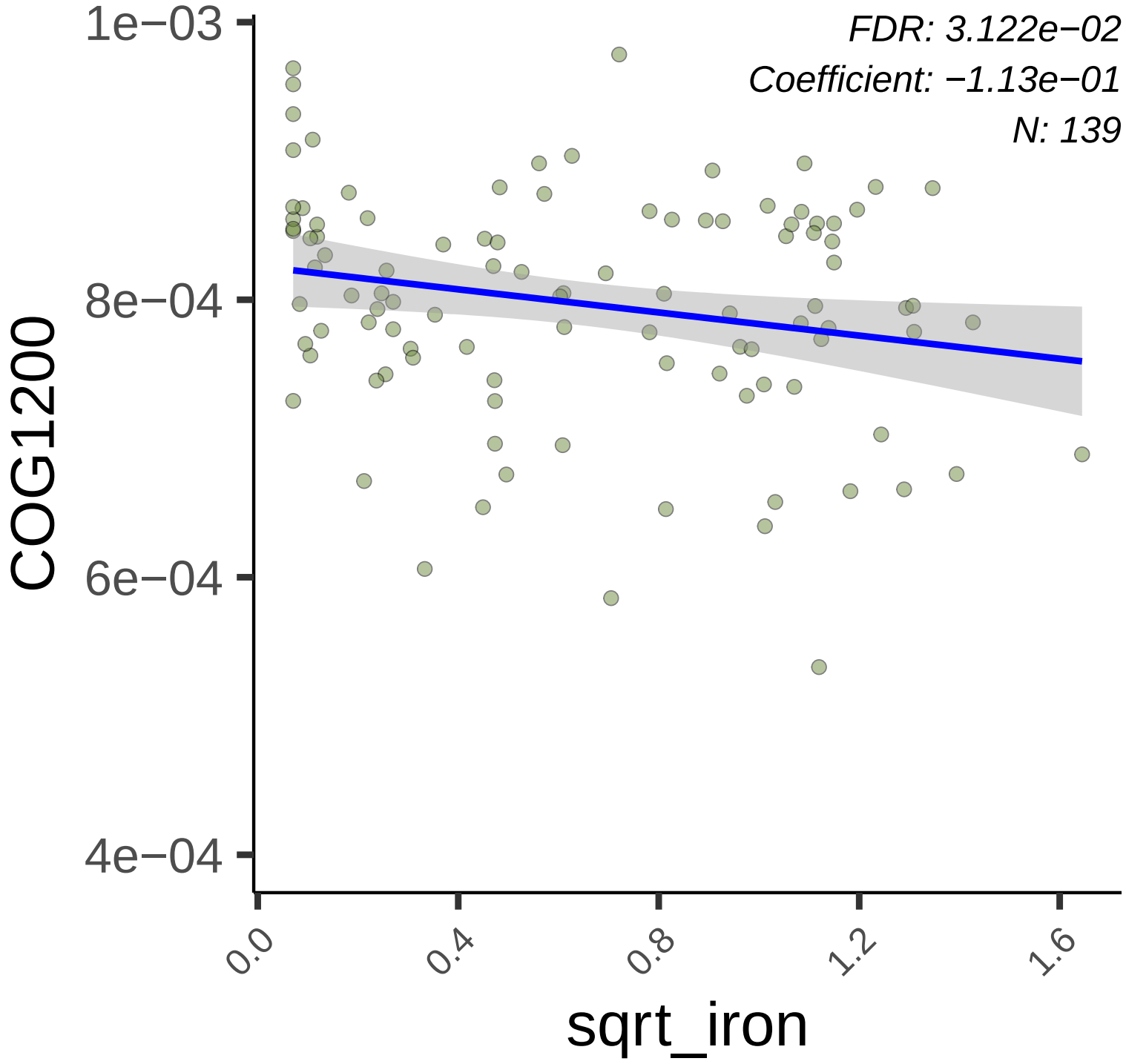
1.2
1.6
sqrt_iron


FDR: 3.122e−02
Coefficient: −1.13e−01
N: 139
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6e−04
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0.4
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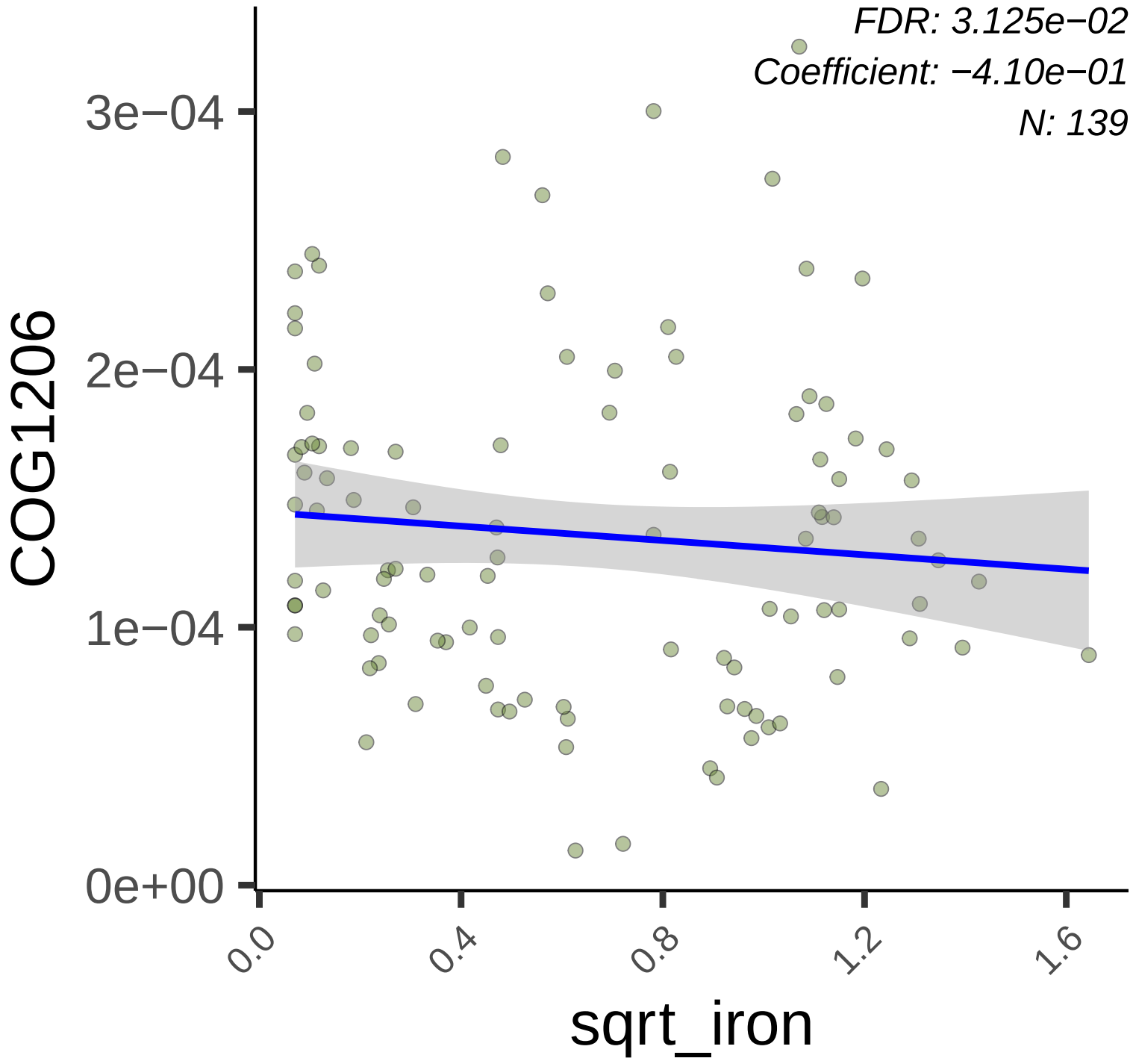
1.6
sqrt_iron


FDR: 3.125e−02
Coefficient: −4.10e−01
N: 139
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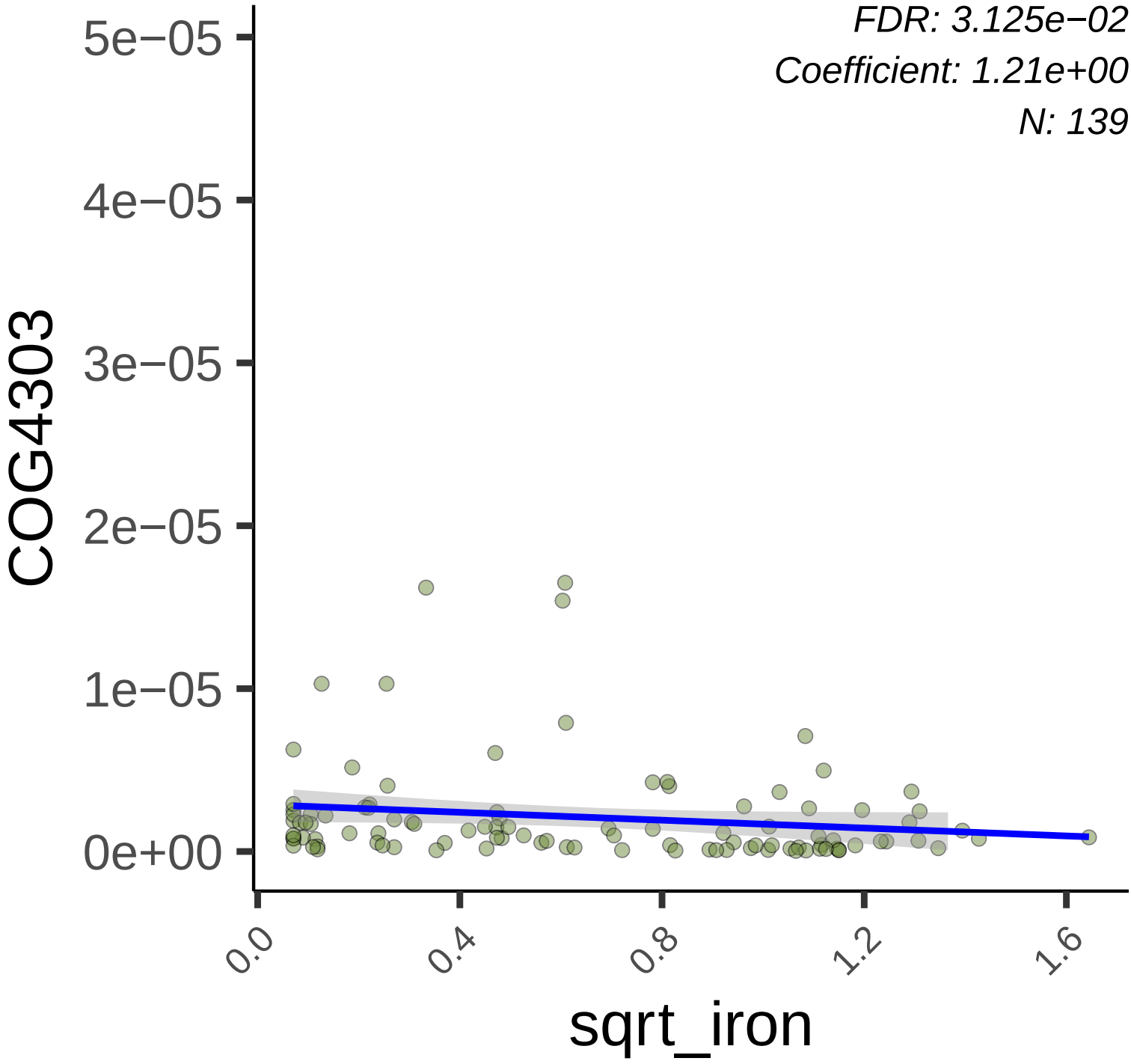
1.6
sqrt_iron


FDR: 3.125e−02
Coefficient: 1.21e+00
N: 139
COG4303
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0.4
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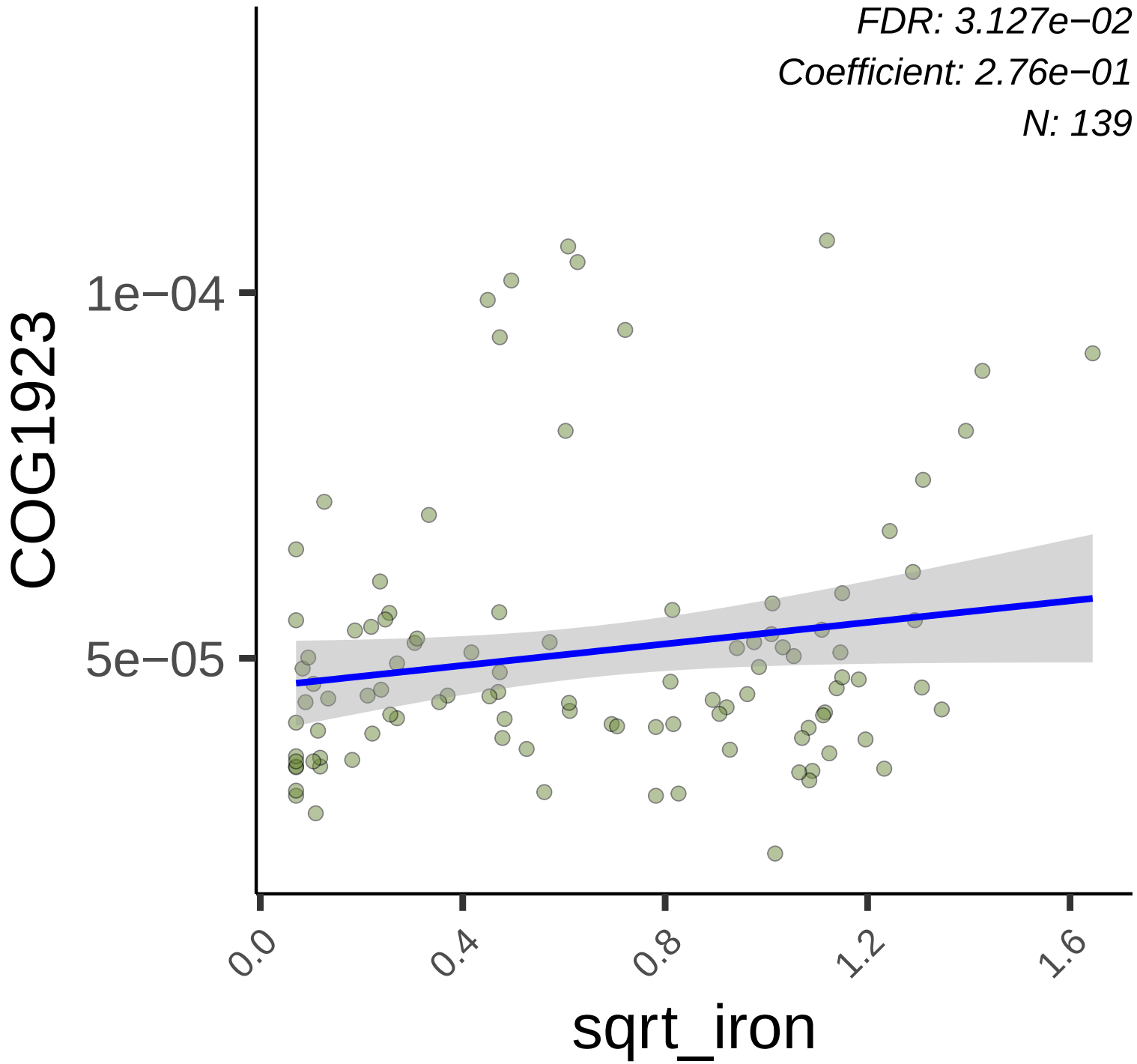
1.6
sqrt_iron


FDR: 3.127e−02
Coefficient: 2.76e−01
N: 139
COG1923
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0.4
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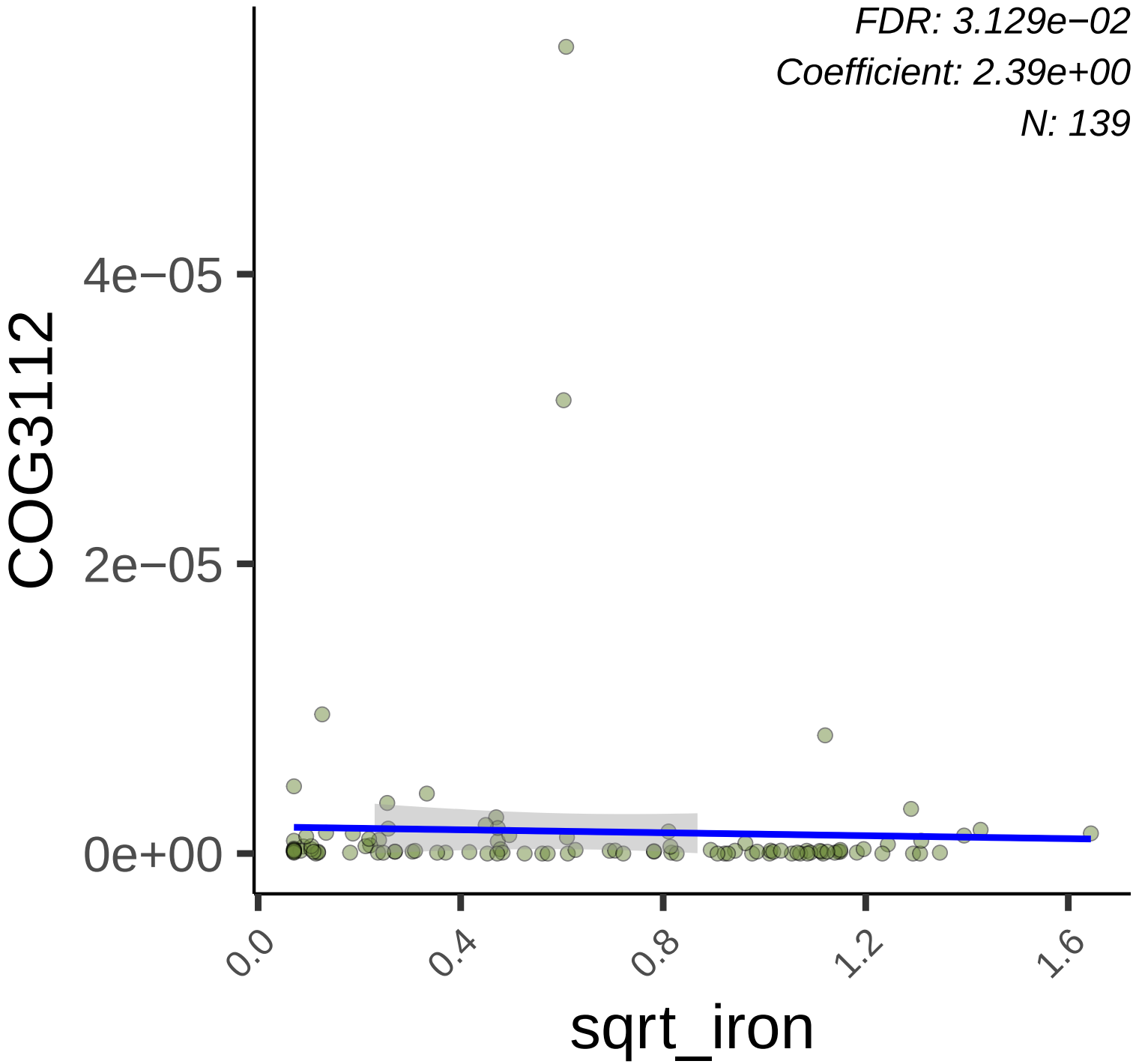
1.2
1.6
sqrt_iron


FDR: 3.129e−02
Coefficient: 2.39e+00
N: 139
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2e−05
0e+00
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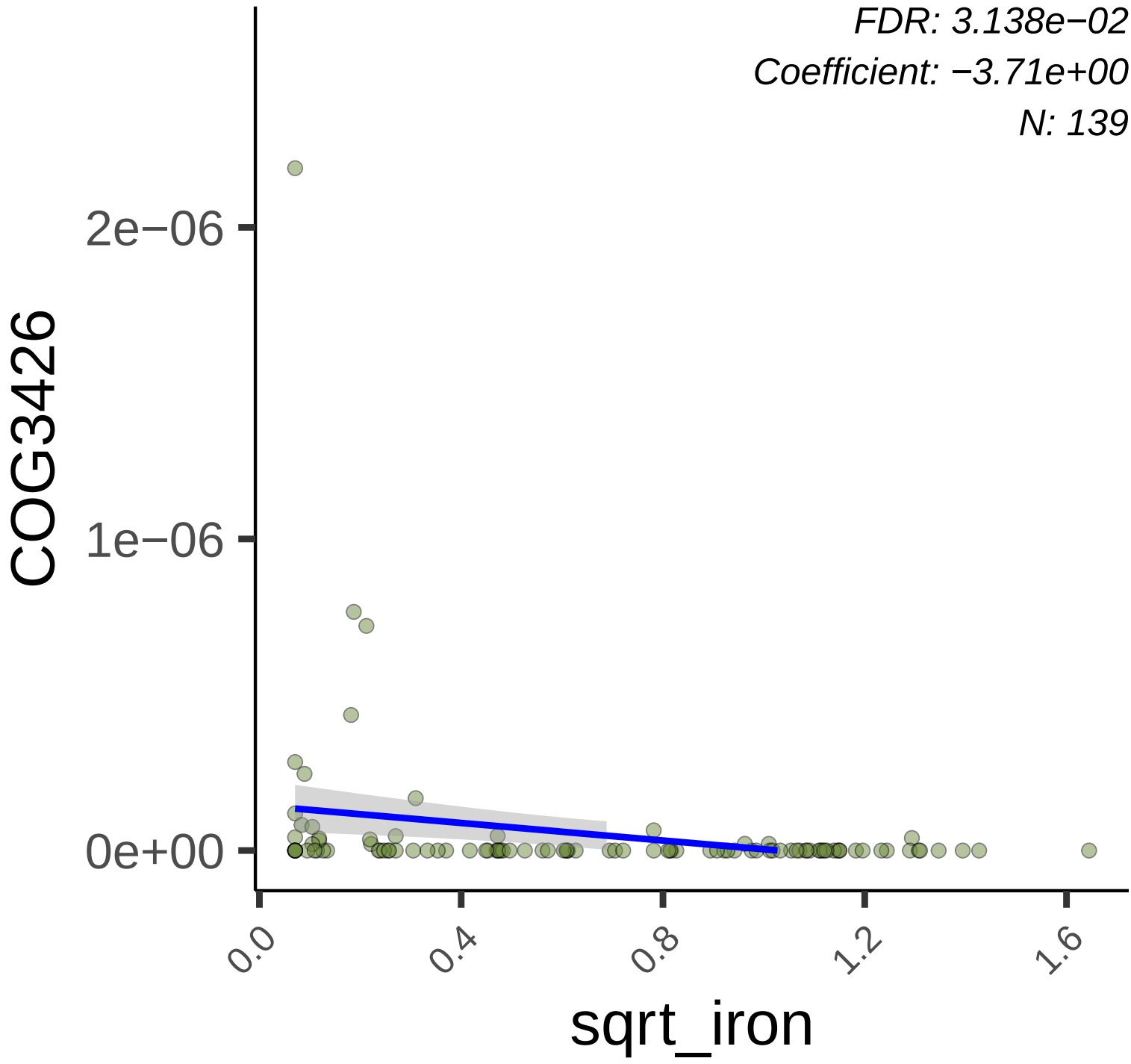
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.138e−02
Coefficient: −3.71e+00
N: 139
COG3426
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1e−06
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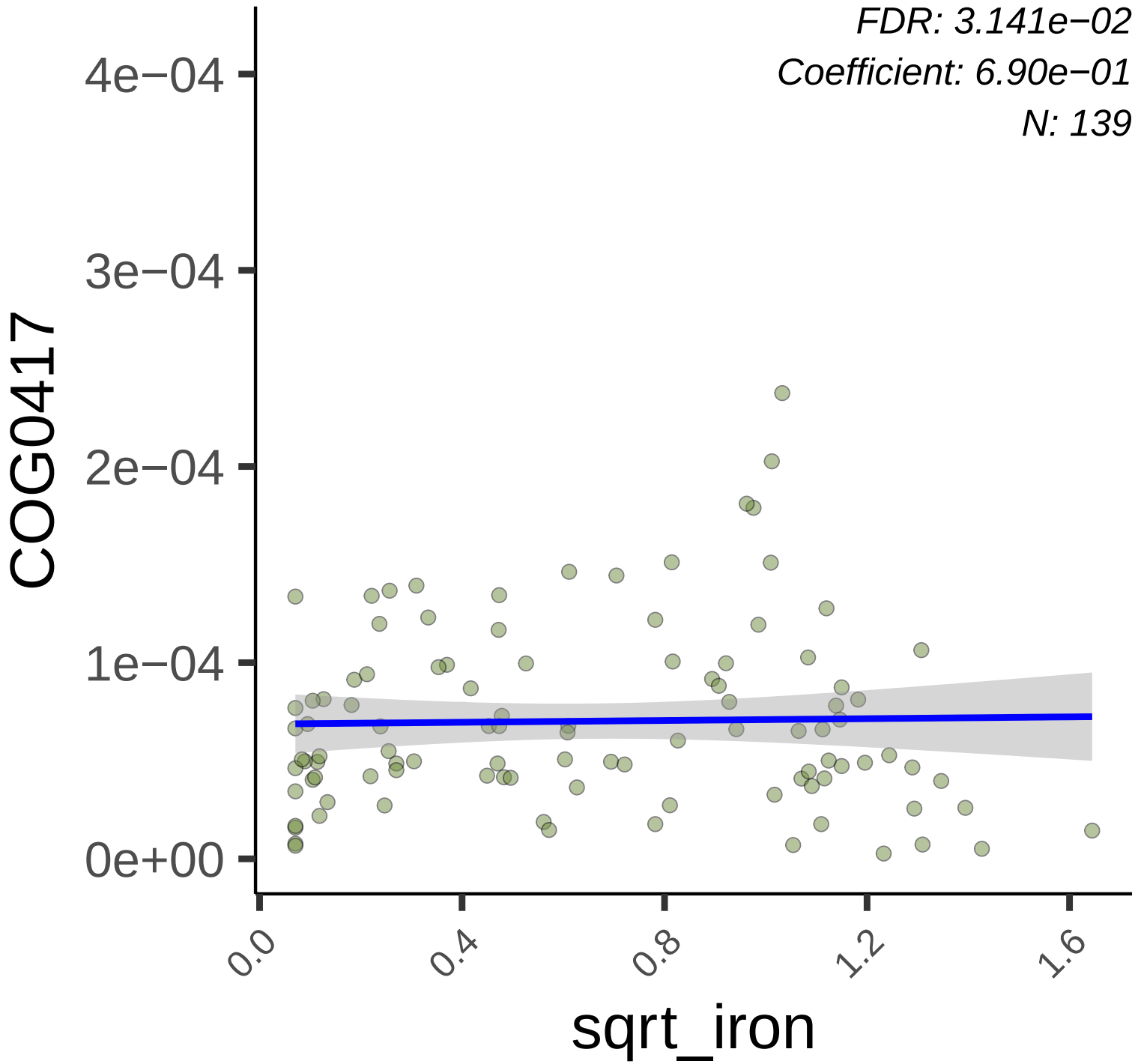
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.141e−02
Coefficient: 6.90e−01
N: 139
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1e−04
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COG0417
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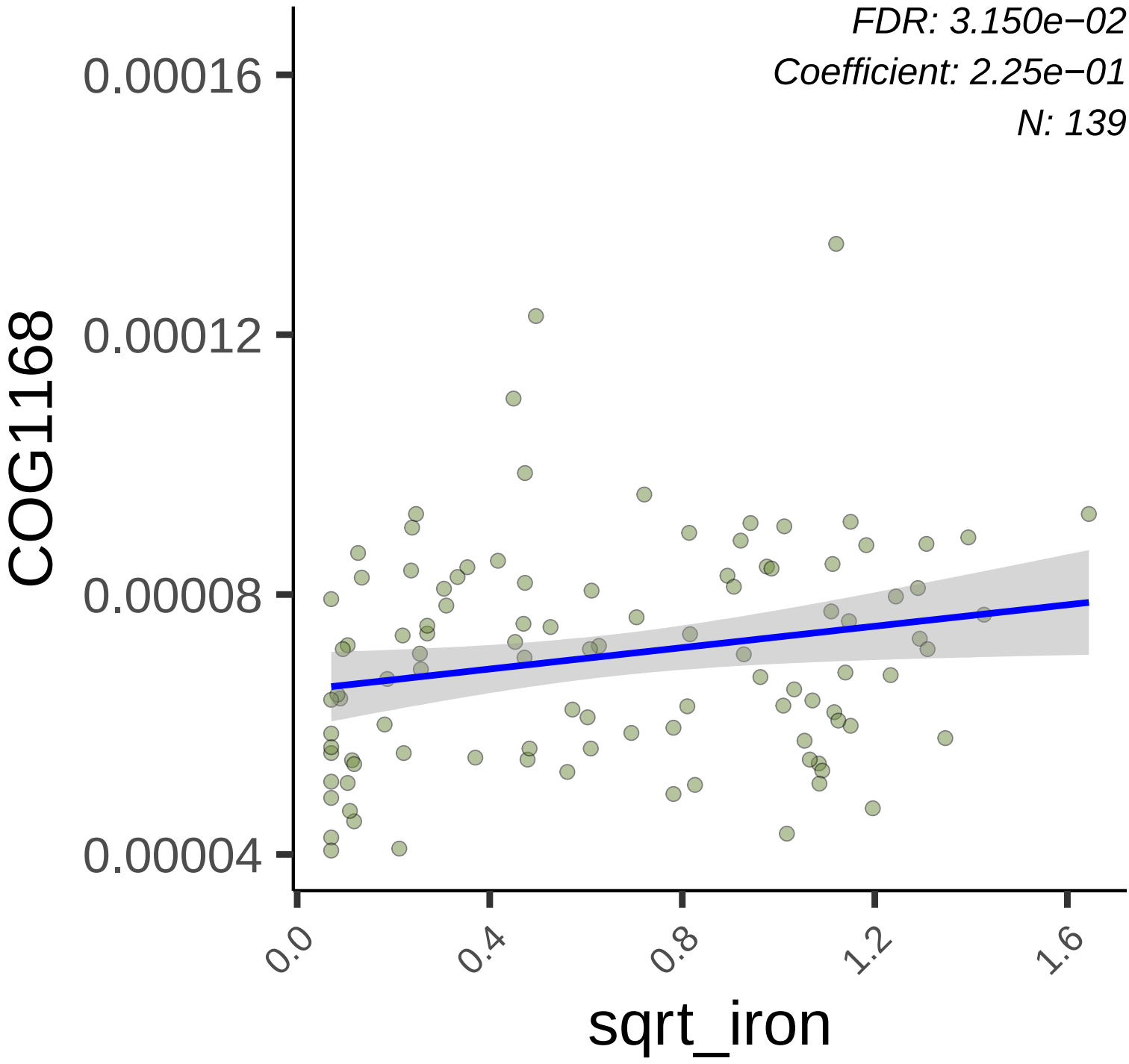
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.150e−02
Coefficient: 2.25e−01
N: 139
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0.4
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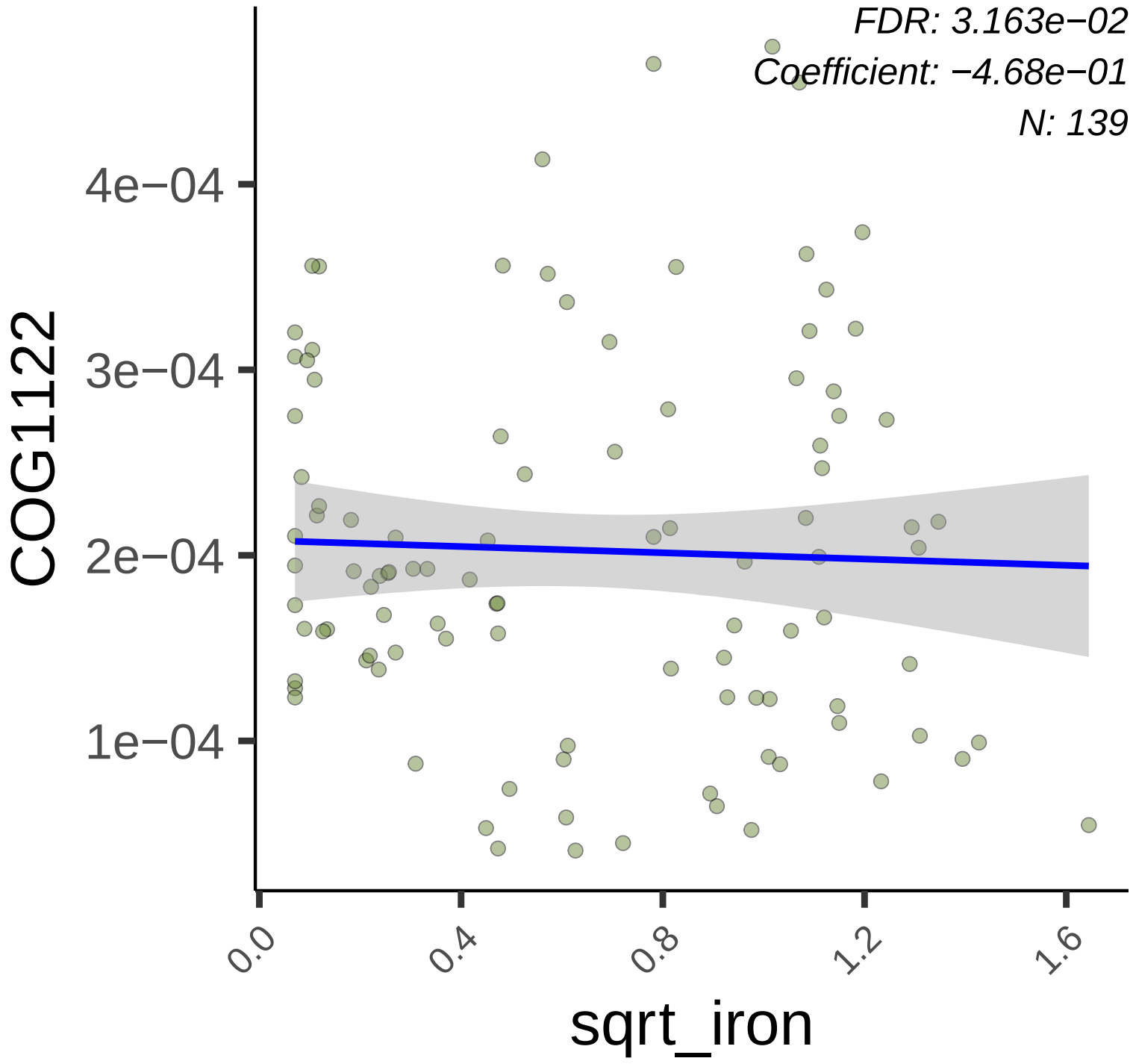
1.2
1.6
sqrt_iron


FDR: 3.163e−02
Coefficient: −4.68e−01
N: 139
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2e−04
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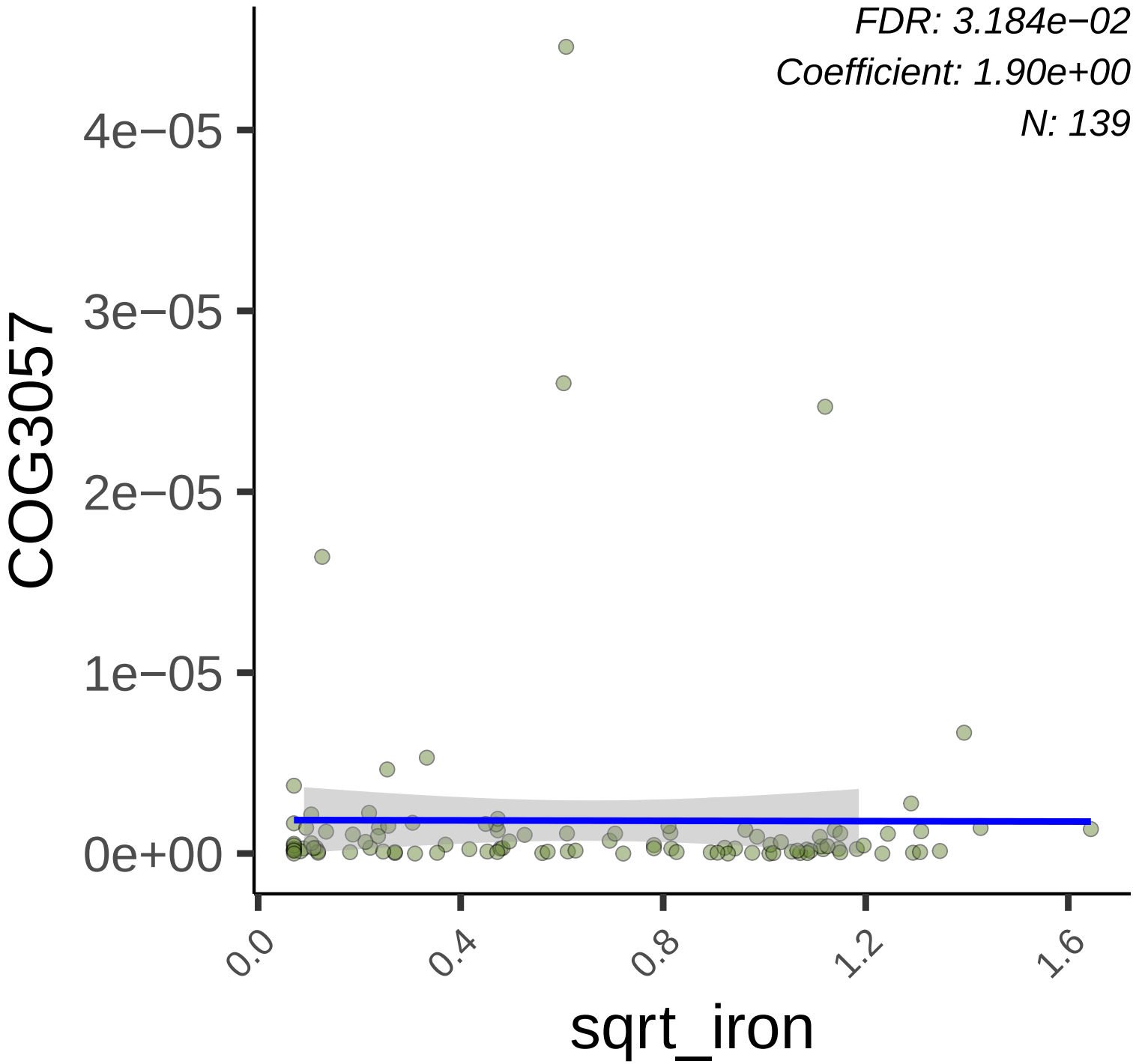
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.184e−02
Coefficient: 1.90e+00
N: 139
COG3057
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2e−05
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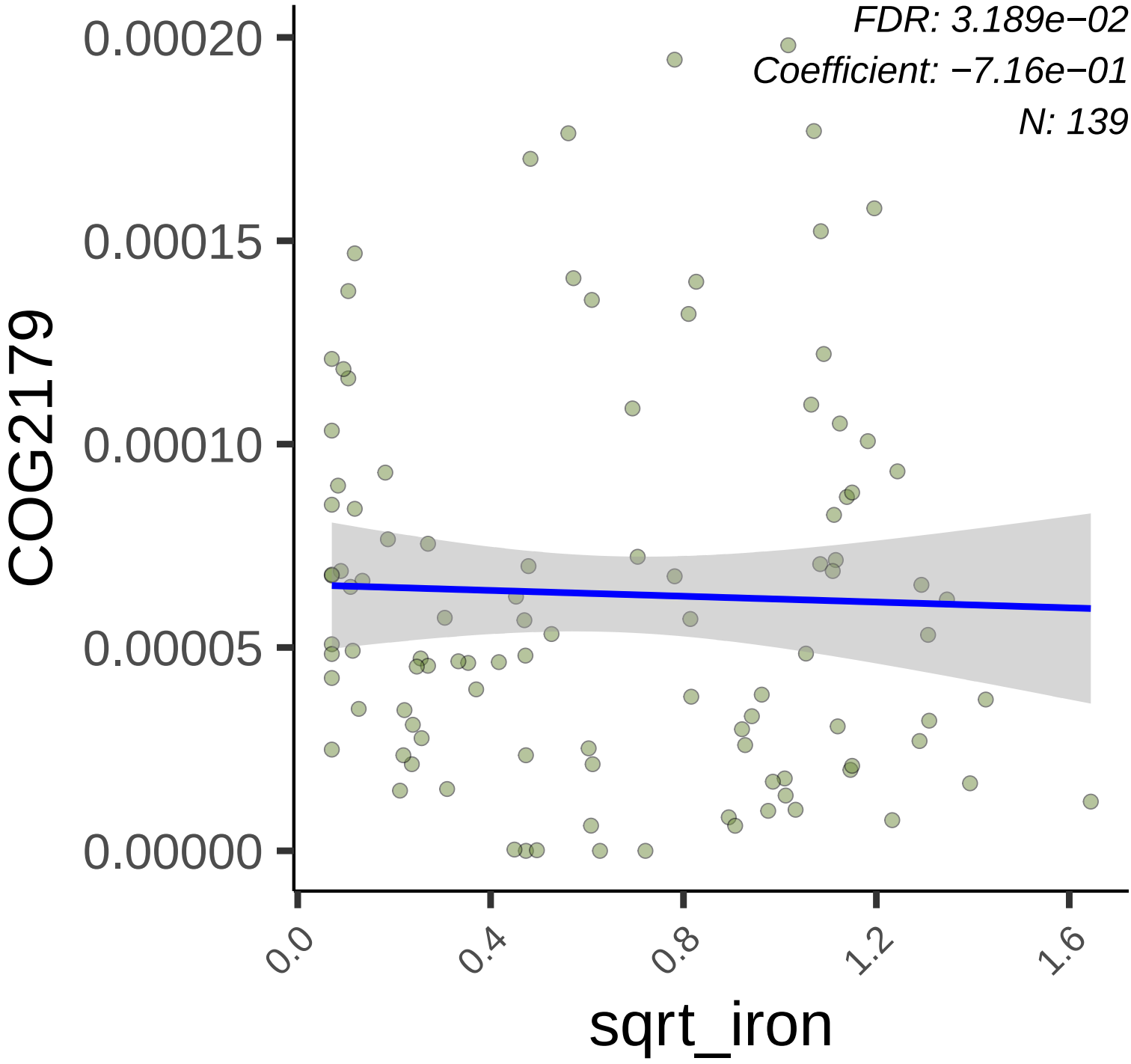
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.189e−02
Coefficient: −7.16e−01
N: 139
0.00020
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0.00005
0.00000
COG2179
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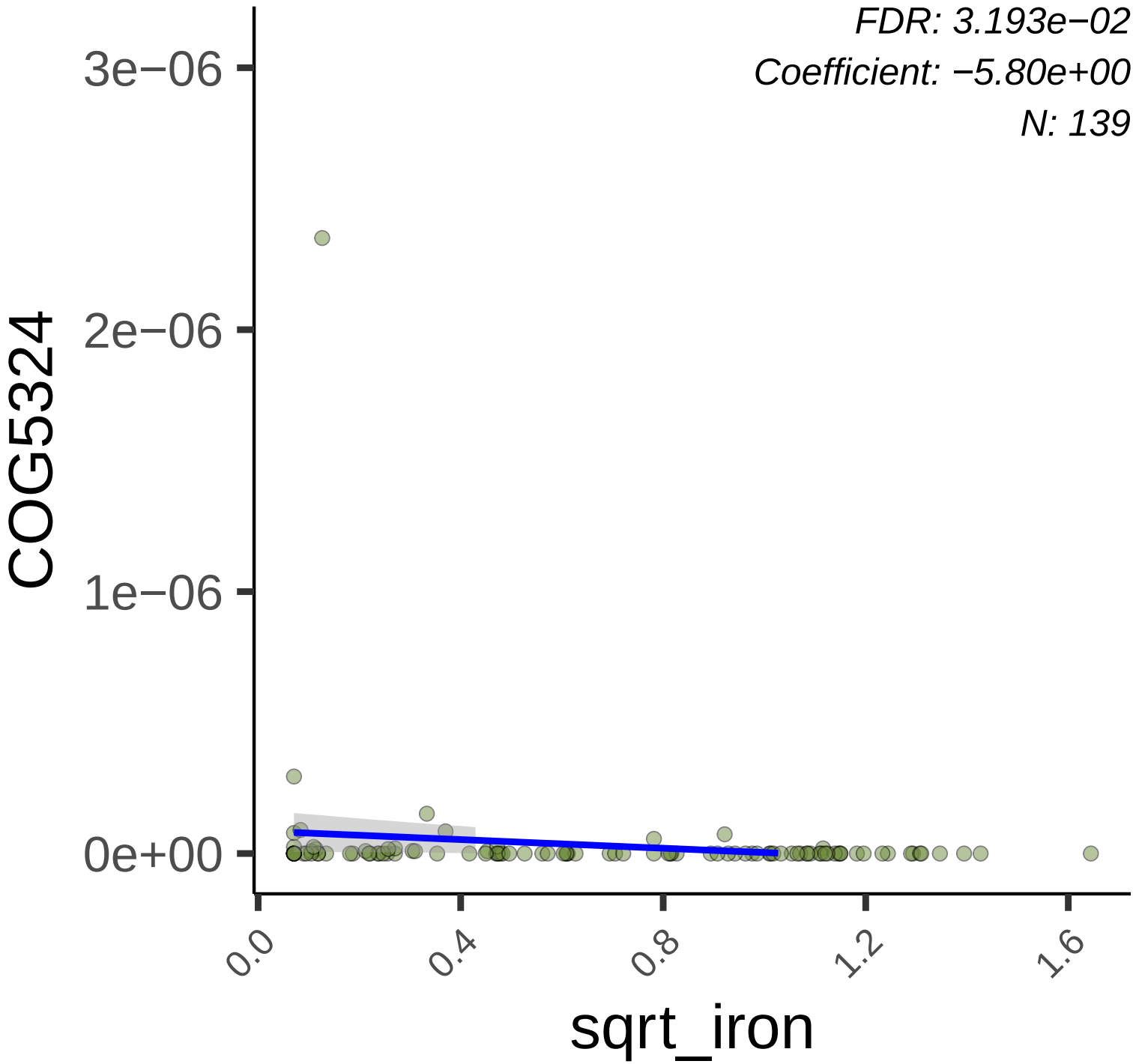
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.193e−02
Coefficient: −5.80e+00
N: 139
COG5324
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2e−06
1e−06
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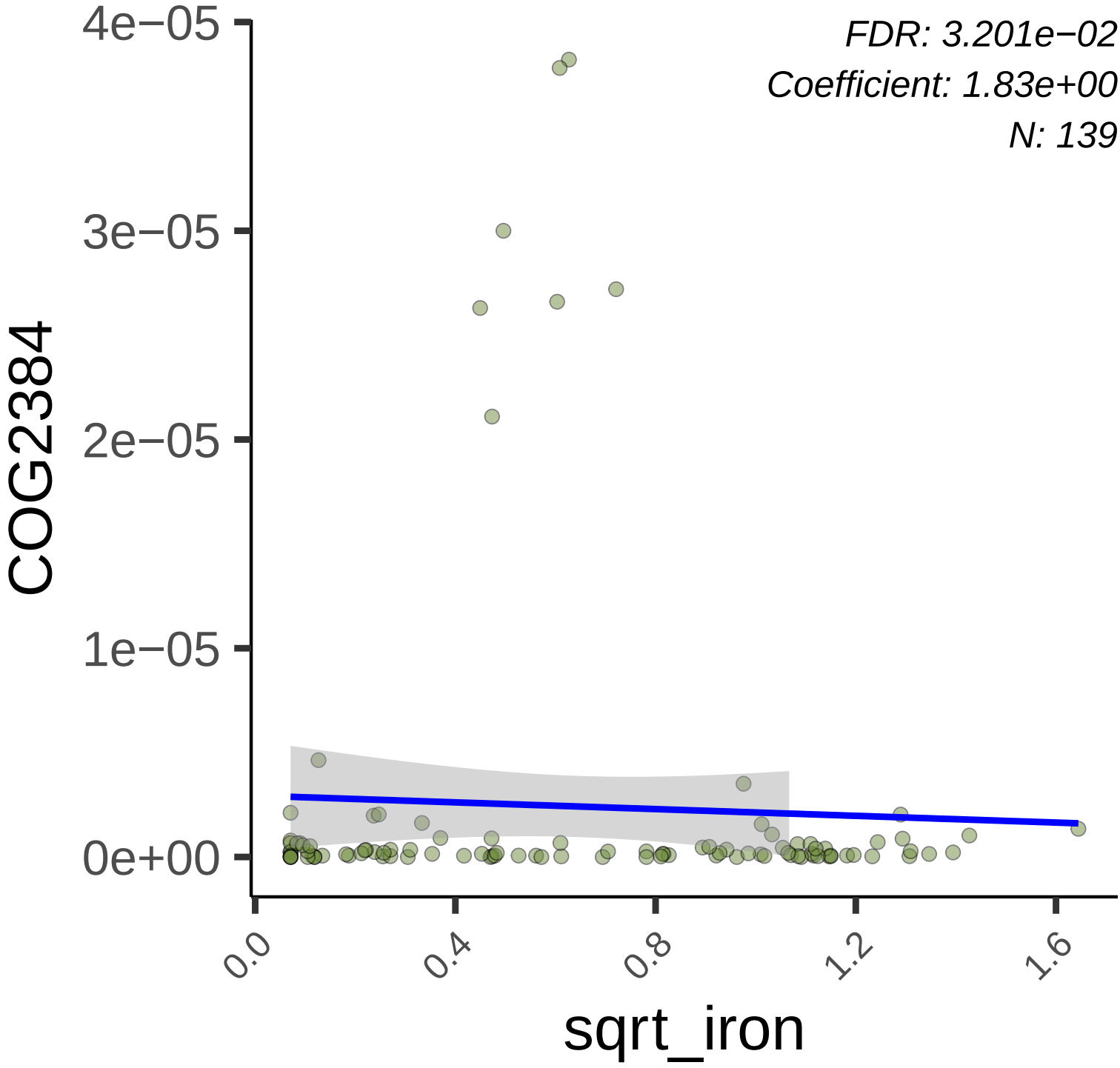
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.201e−02
Coefficient: 1.83e+00
N: 139
COG2384
4e−05
3e−05
2e−05
1e−05
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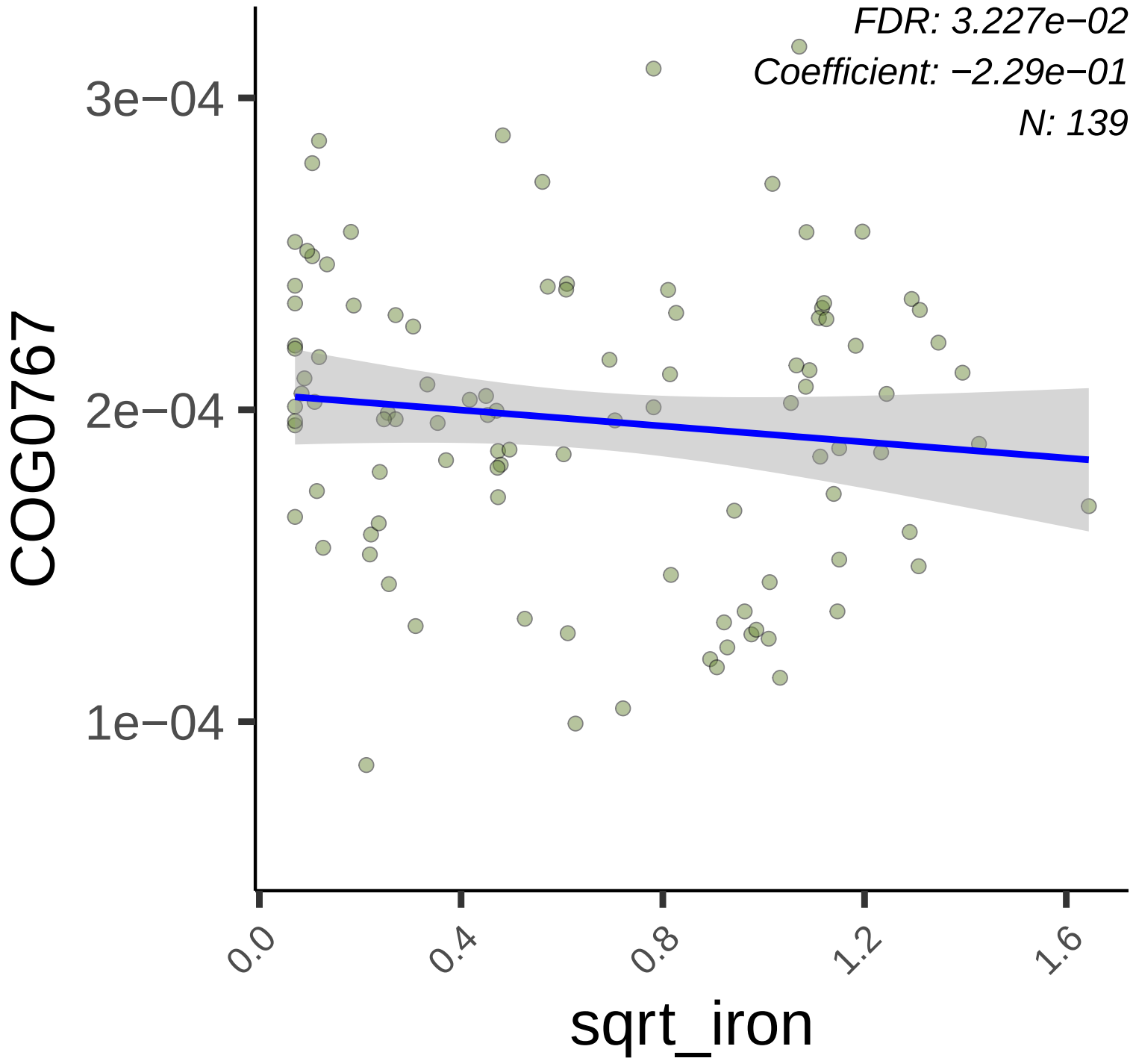
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.227e−02
Coefficient: −2.29e−01
N: 139
3e−04
2e−04
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COG0767
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0.4
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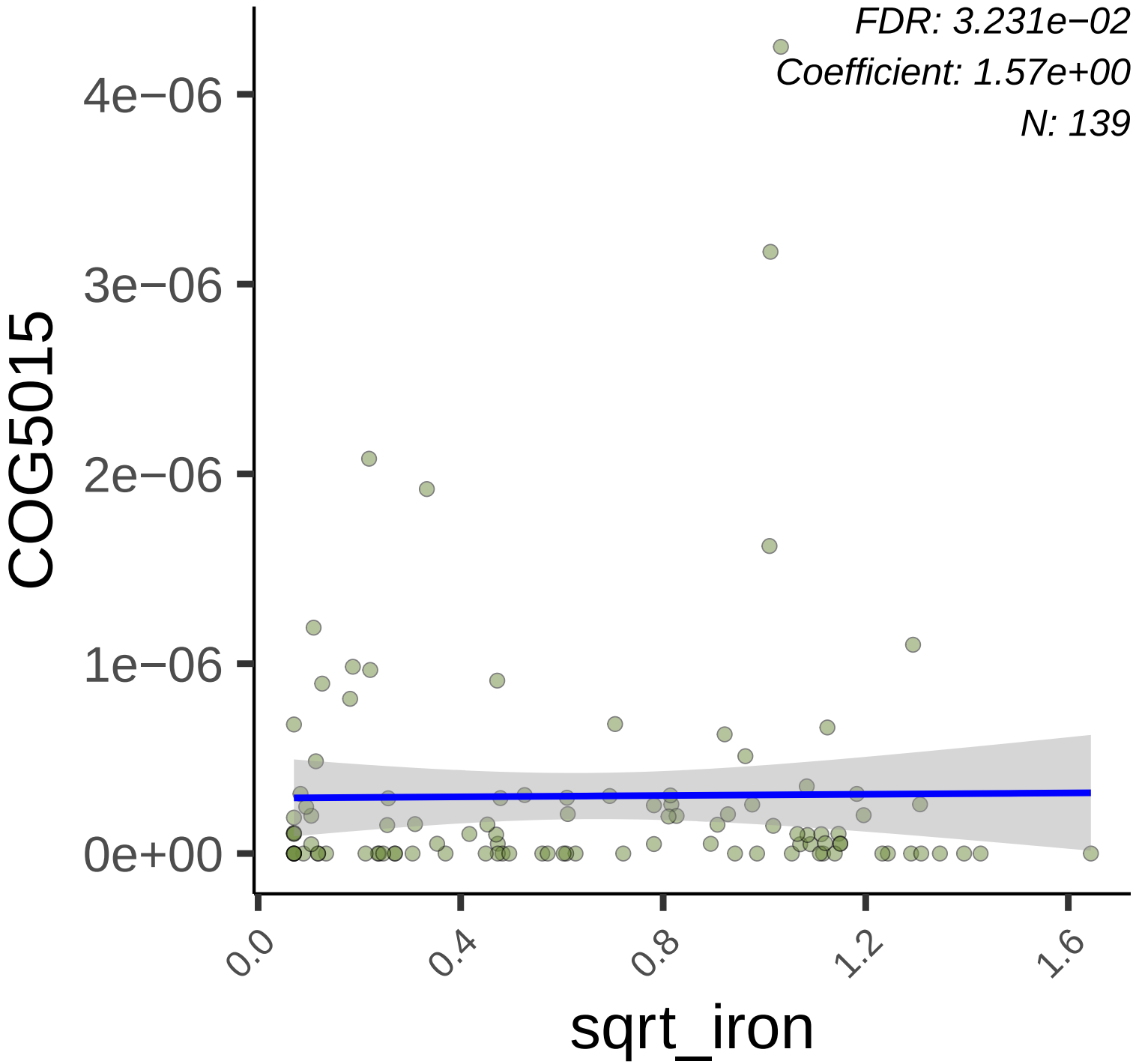
1.2
1.6
sqrt_iron


FDR: 3.231e−02
Coefficient: 1.57e+00
N: 139
COG5015
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3e−06
2e−06
1e−06
0e+00
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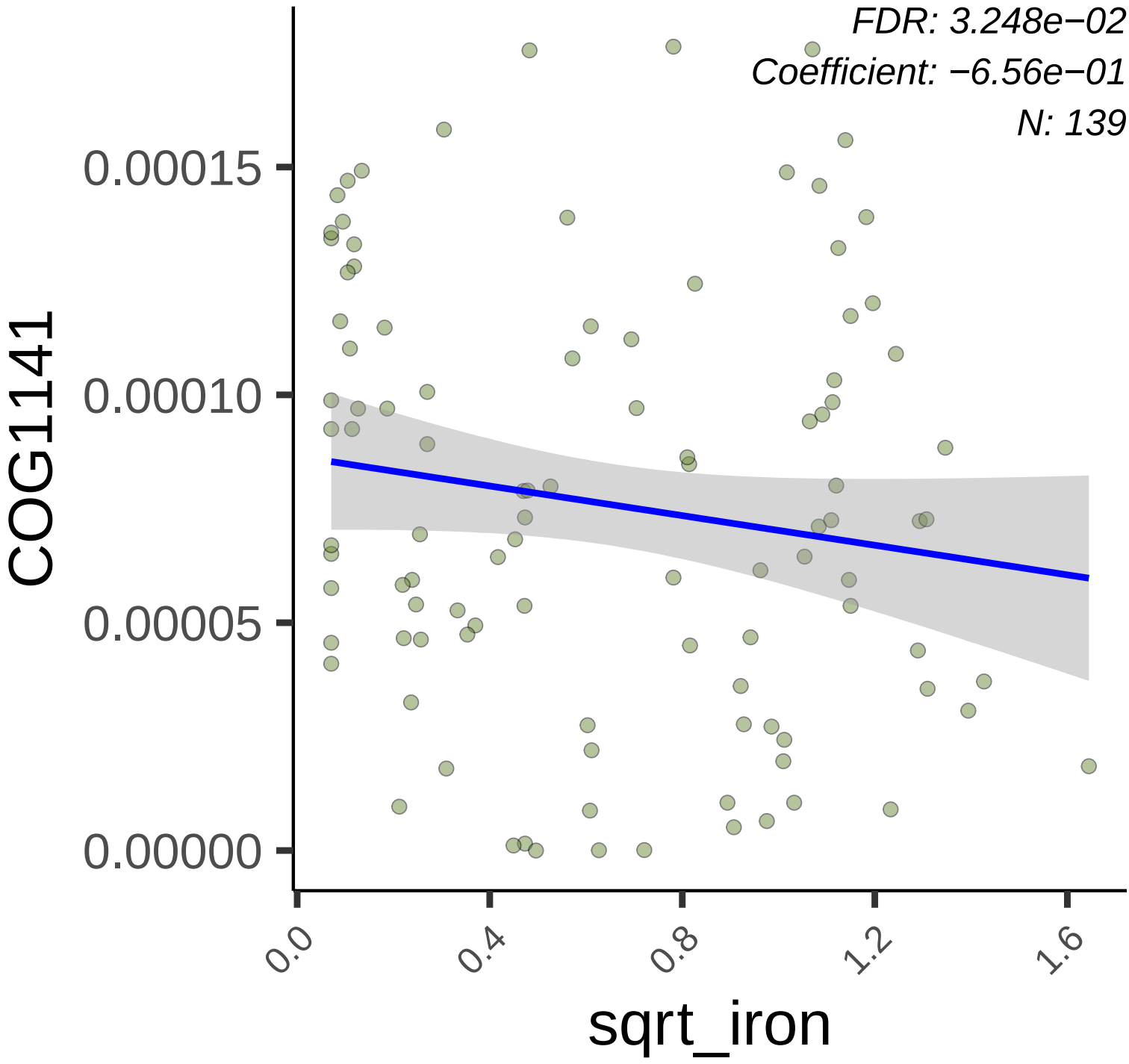
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.248e−02
Coefficient: −6.56e−01
N: 139
COG1141
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0.00010
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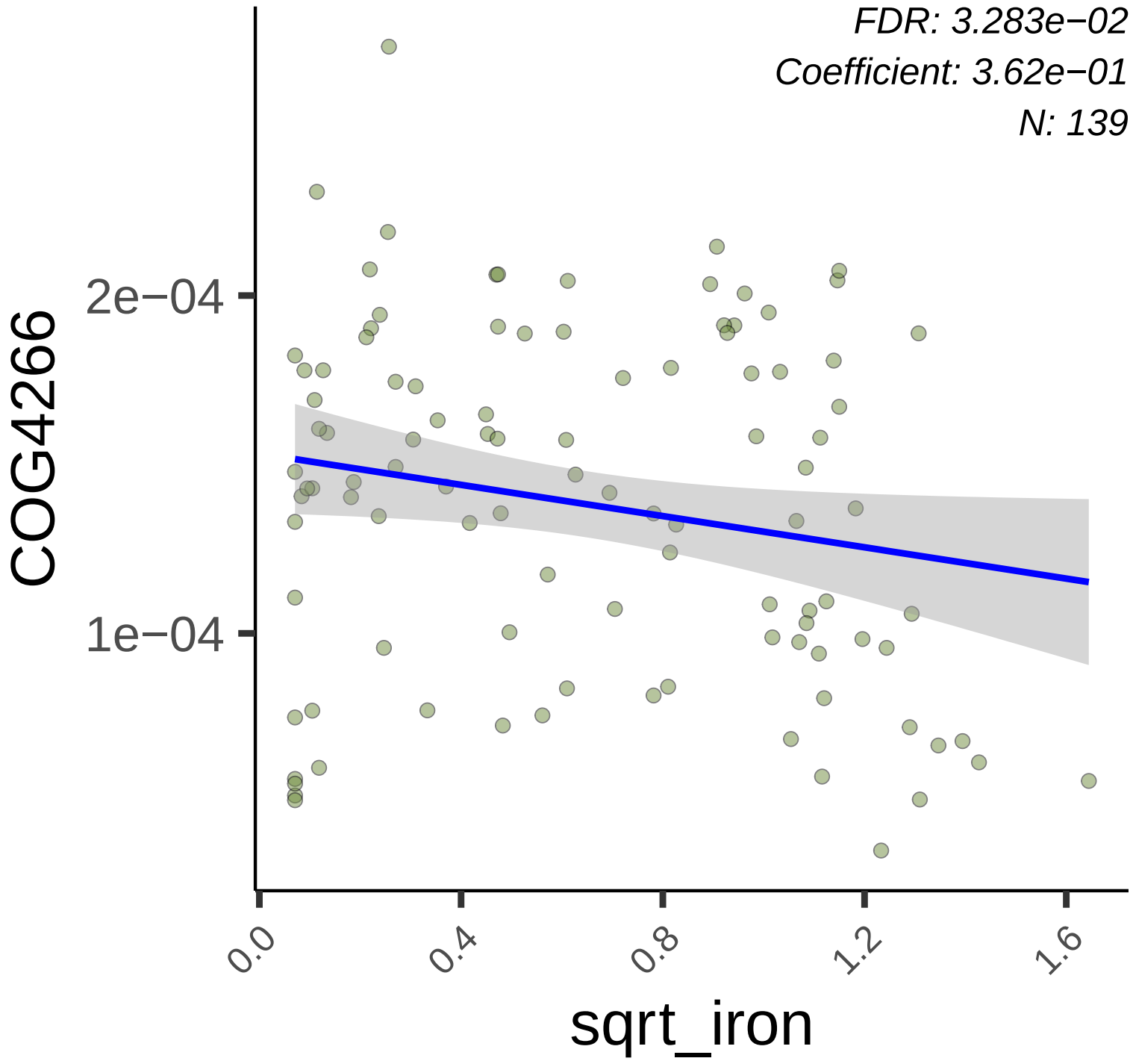
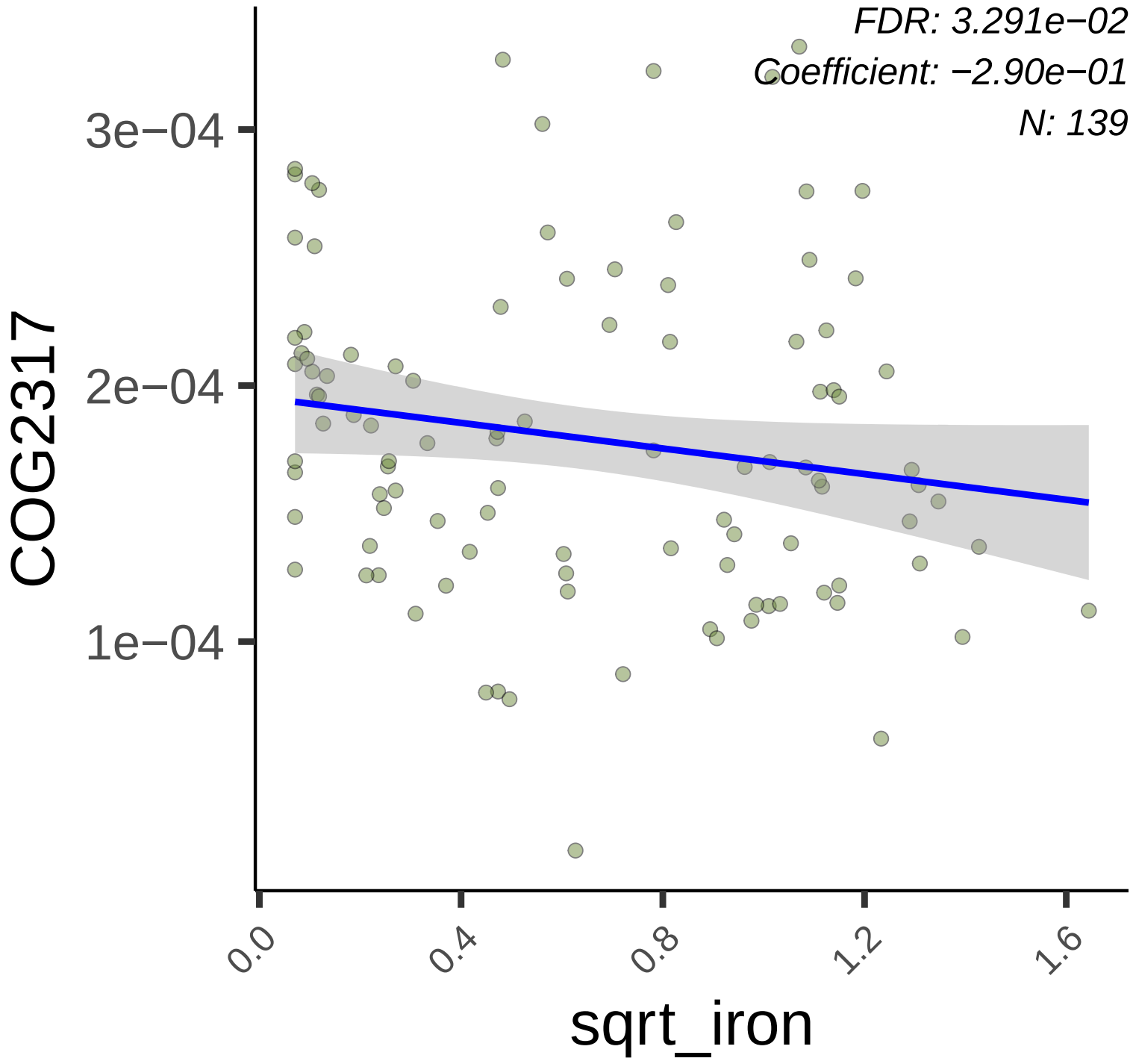
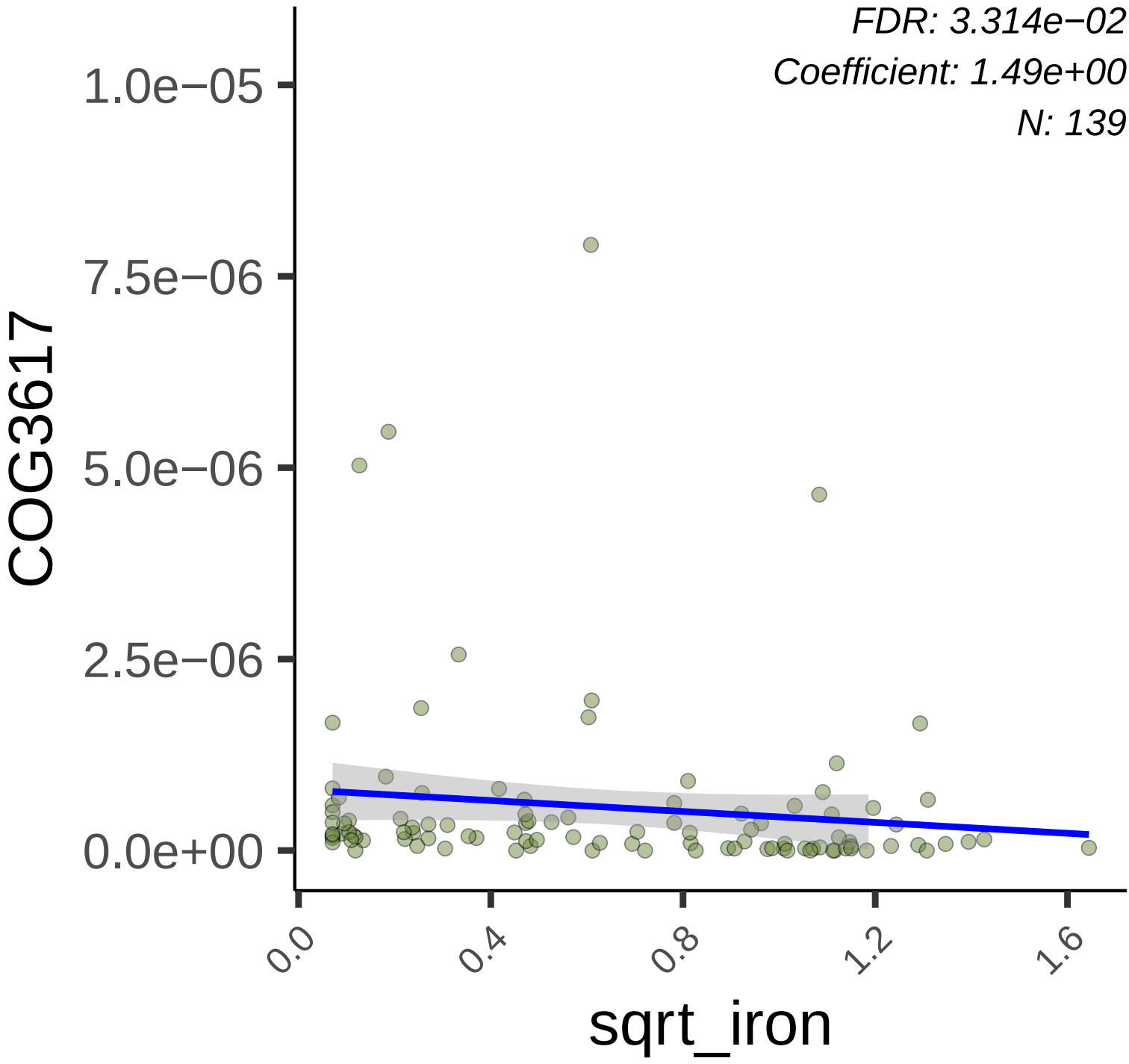
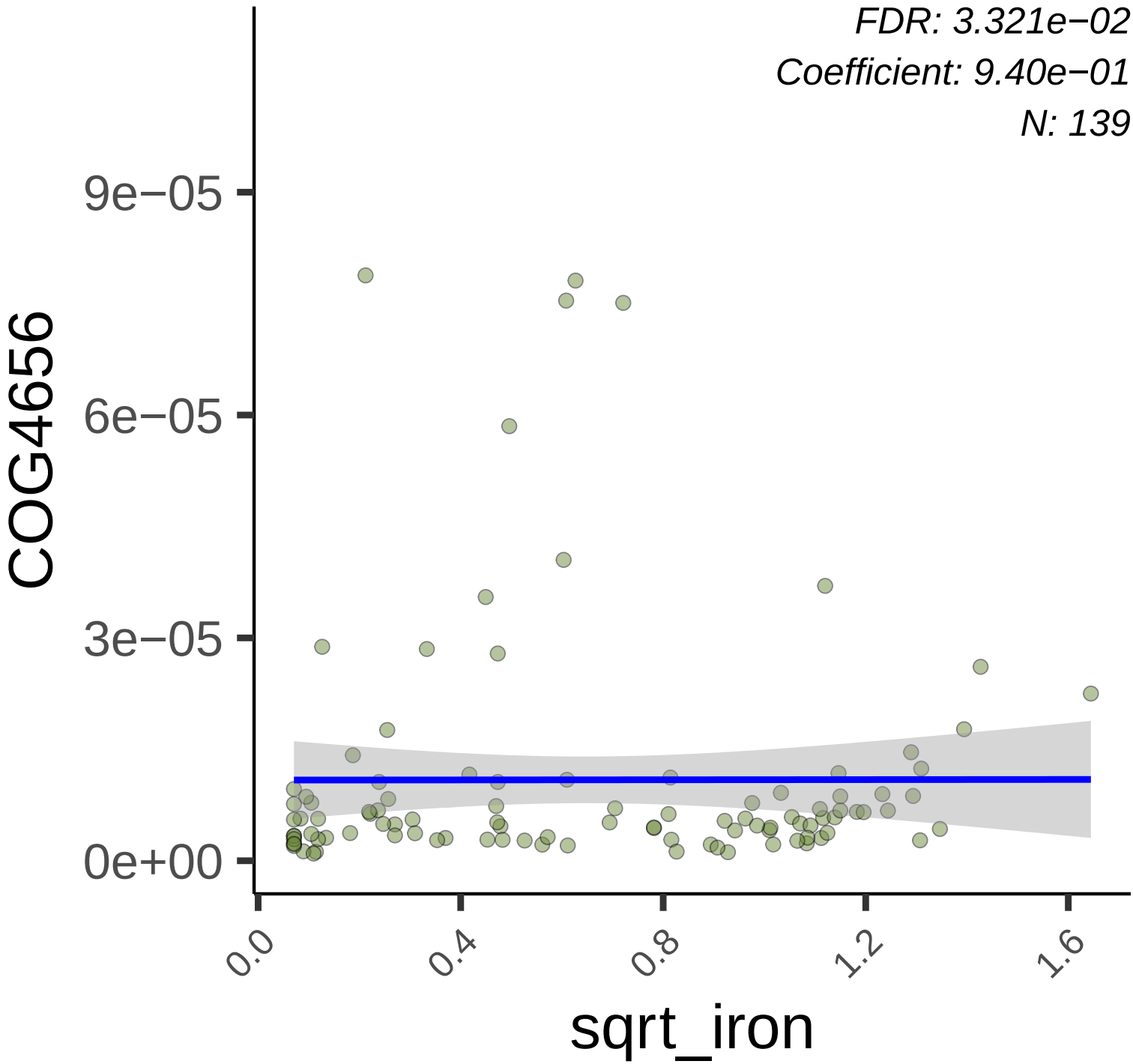
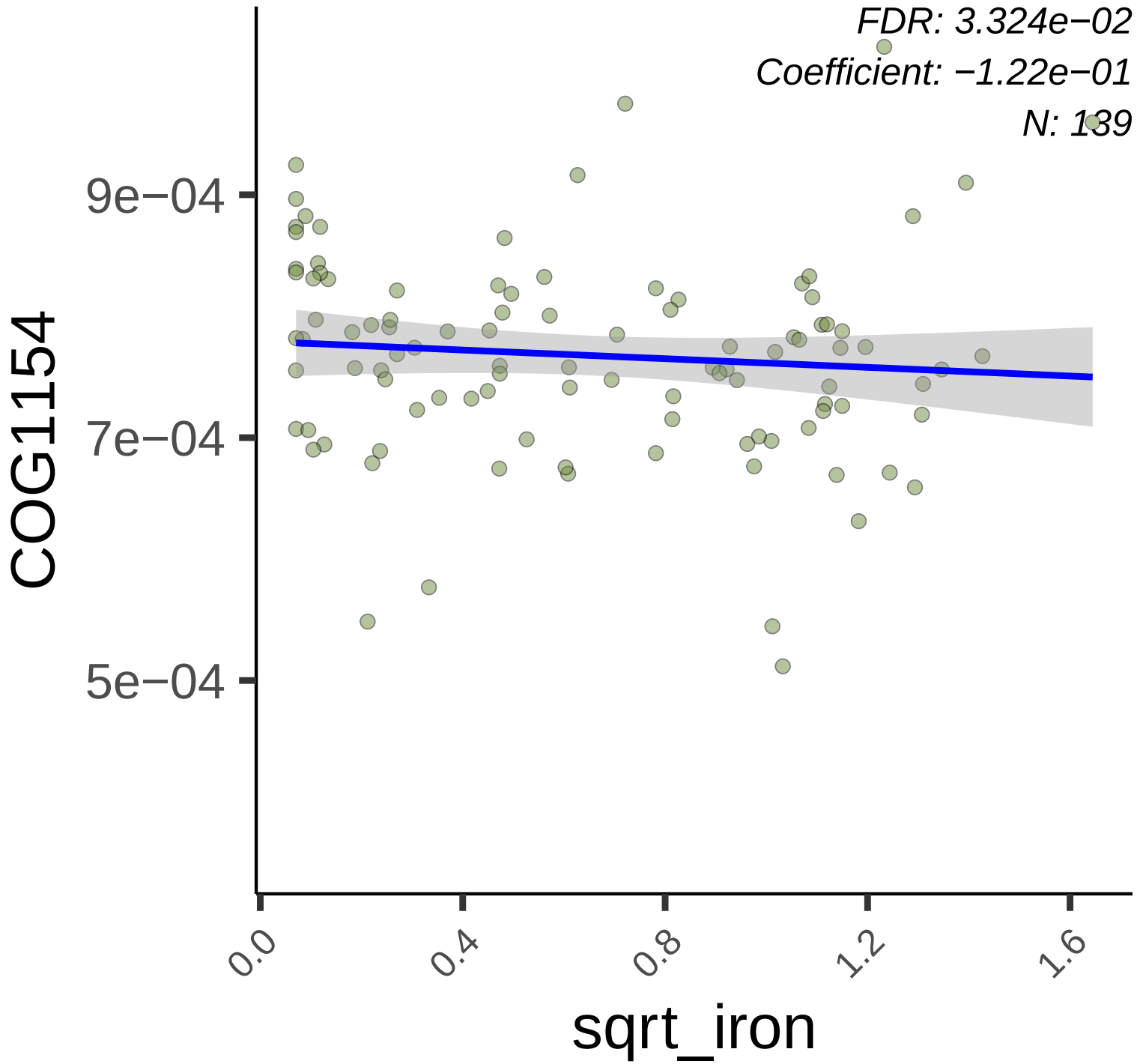
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron

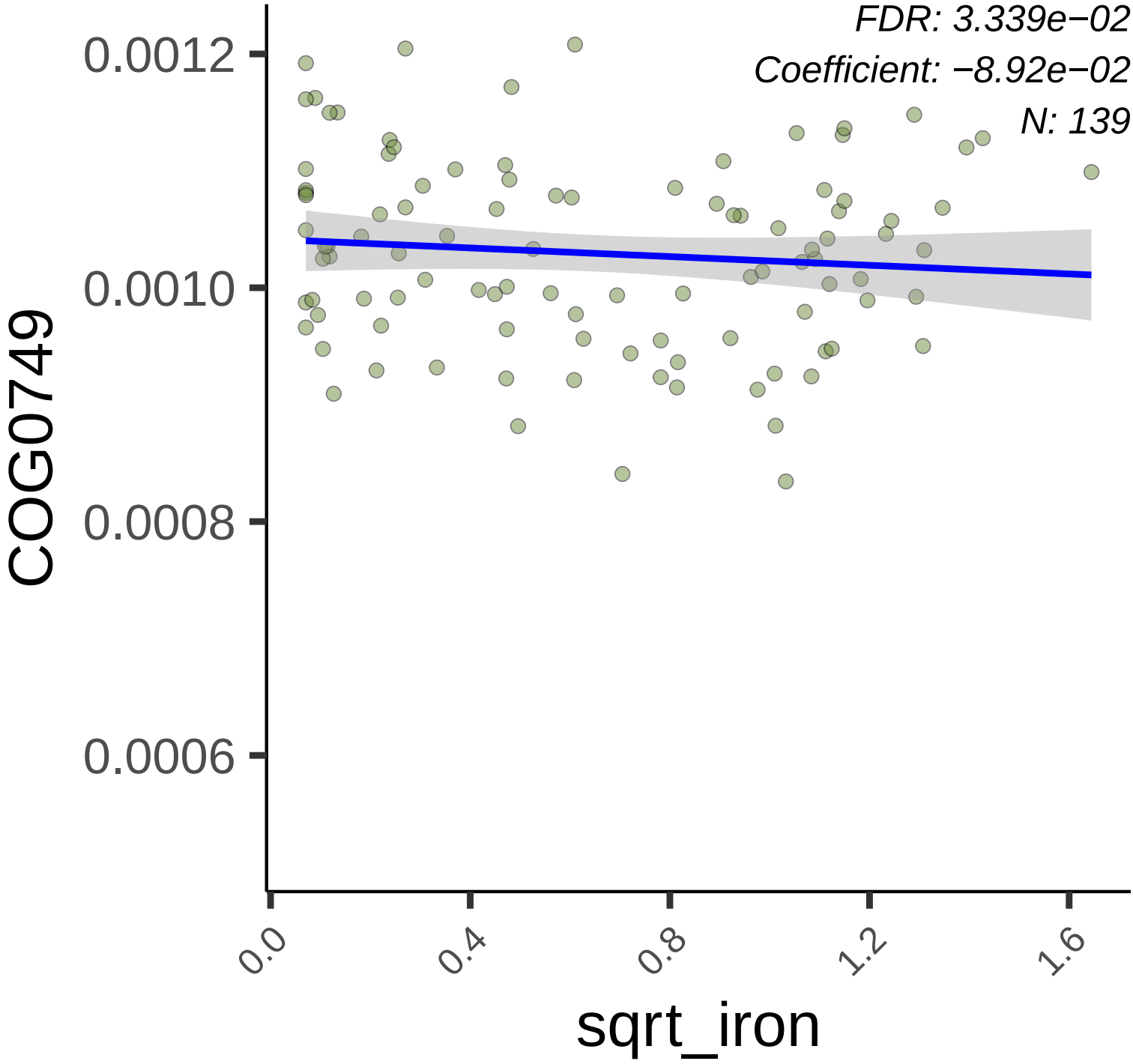

FDR: 3.283e−02
Coefficient: 3.62e−01
N: 139
COG4266
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.291e−02
Coefficient: −2.90e−01
N: 139
3e−04
2e−04
1e−04
COG2317
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.314e−02
Coefficient: 1.49e+00
N: 139
COG3617
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.321e−02
Coefficient: 9.40e−01
N: 139
COG4656
9e−05
6e−05
3e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.324e−02
Coefficient: −1.22e−01
N: 139
COG1154
9e−04
7e−04
5e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.339e−02
Coefficient: −8.92e−02
N: 139
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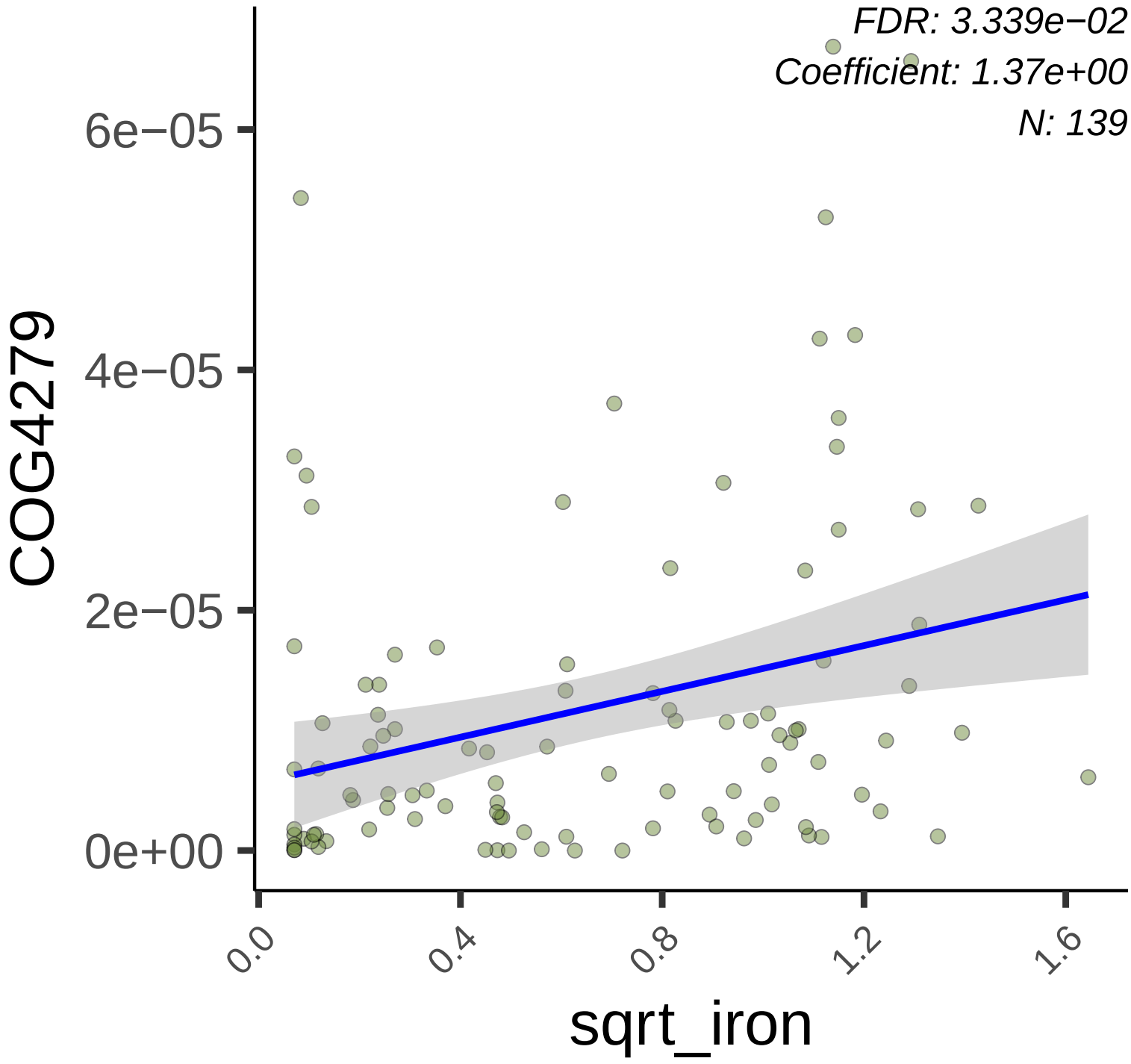
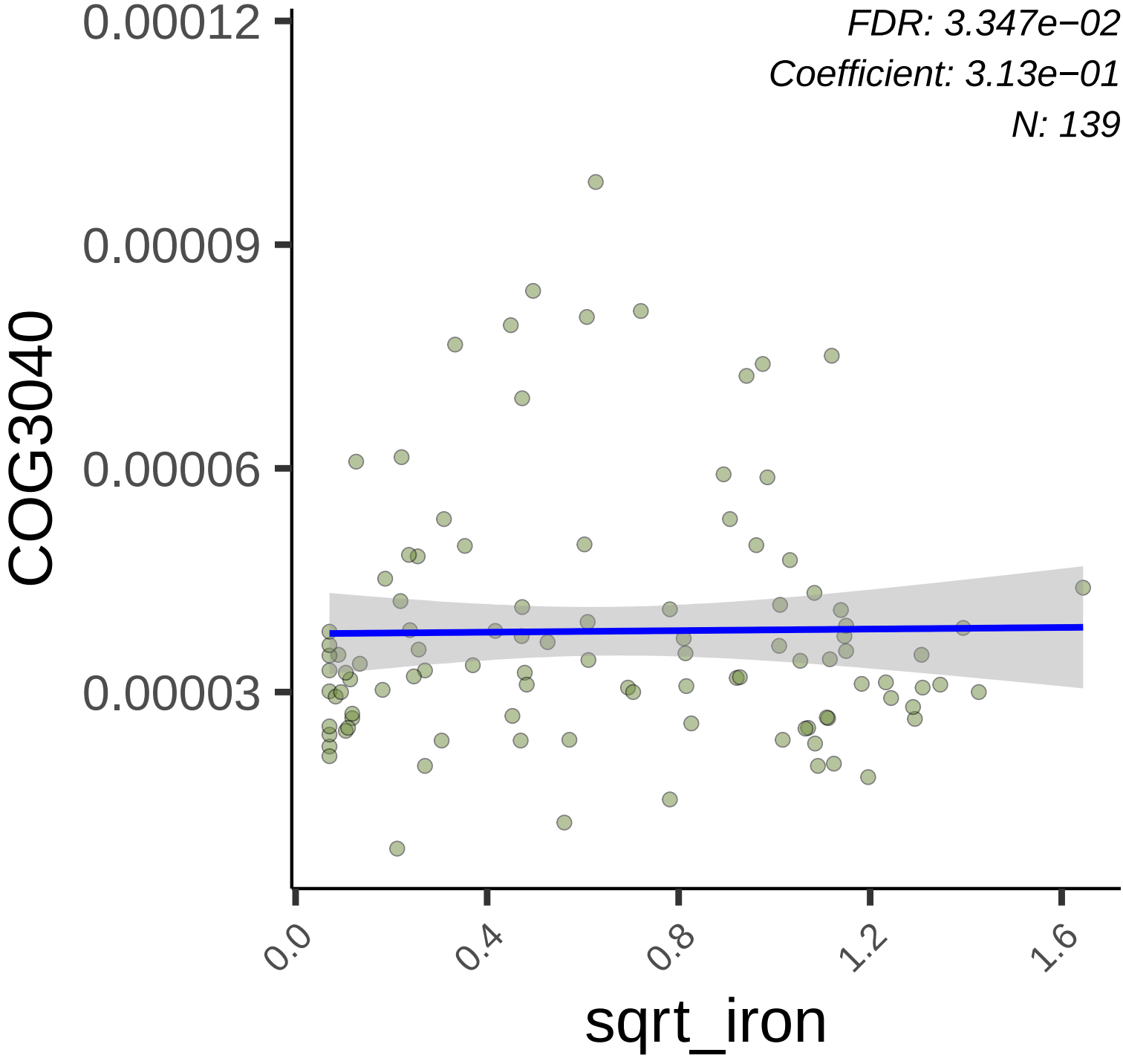
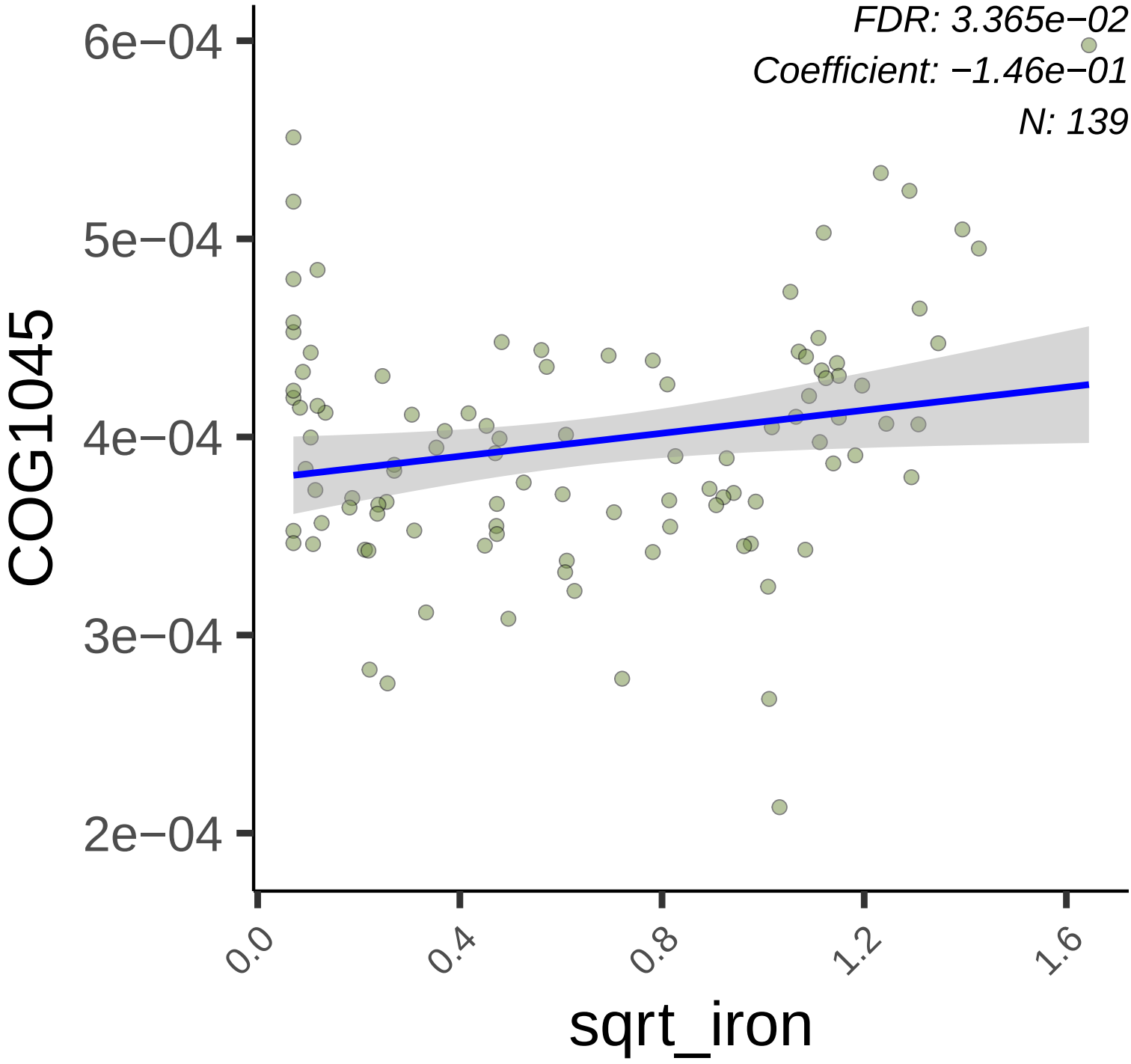
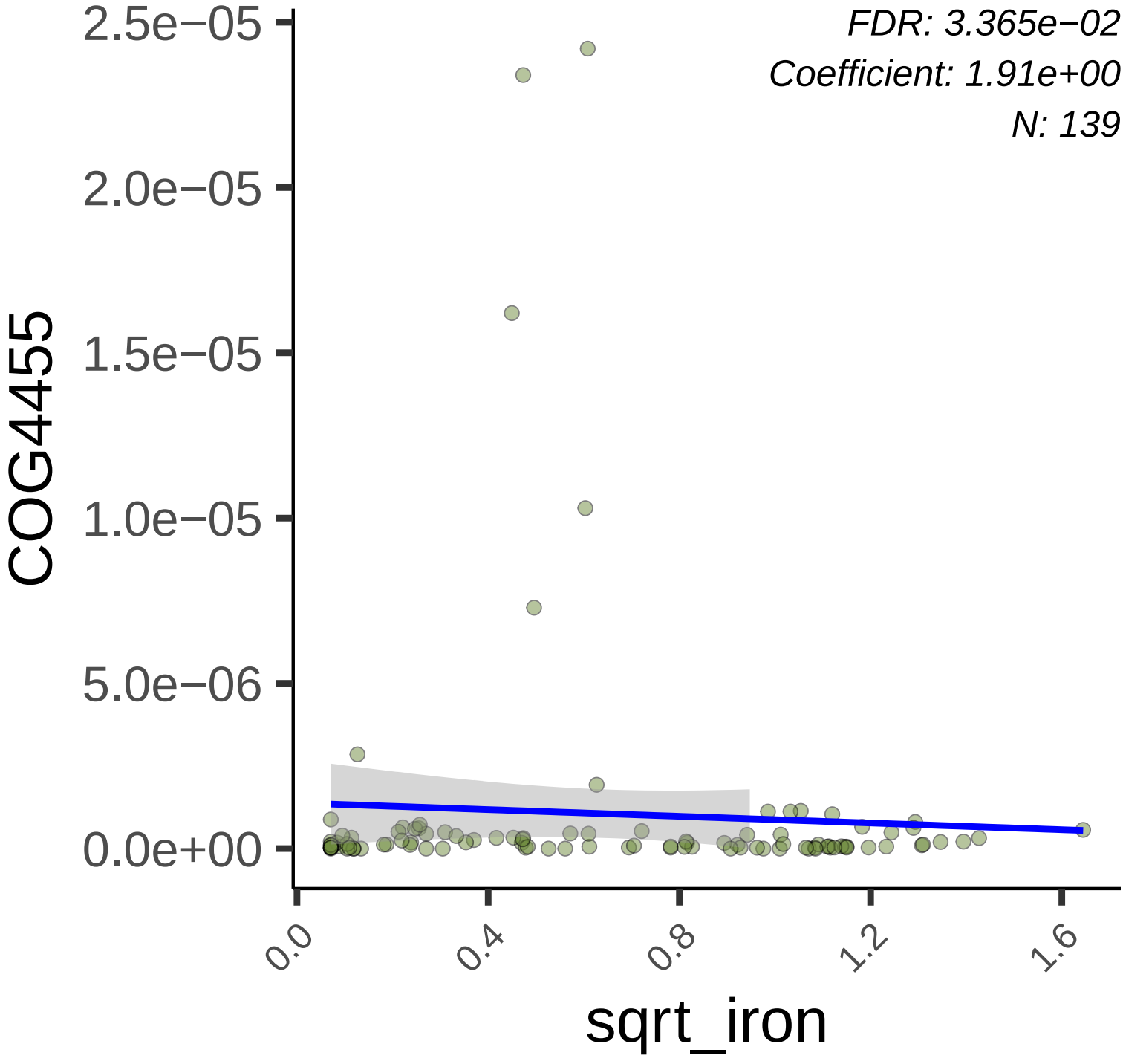
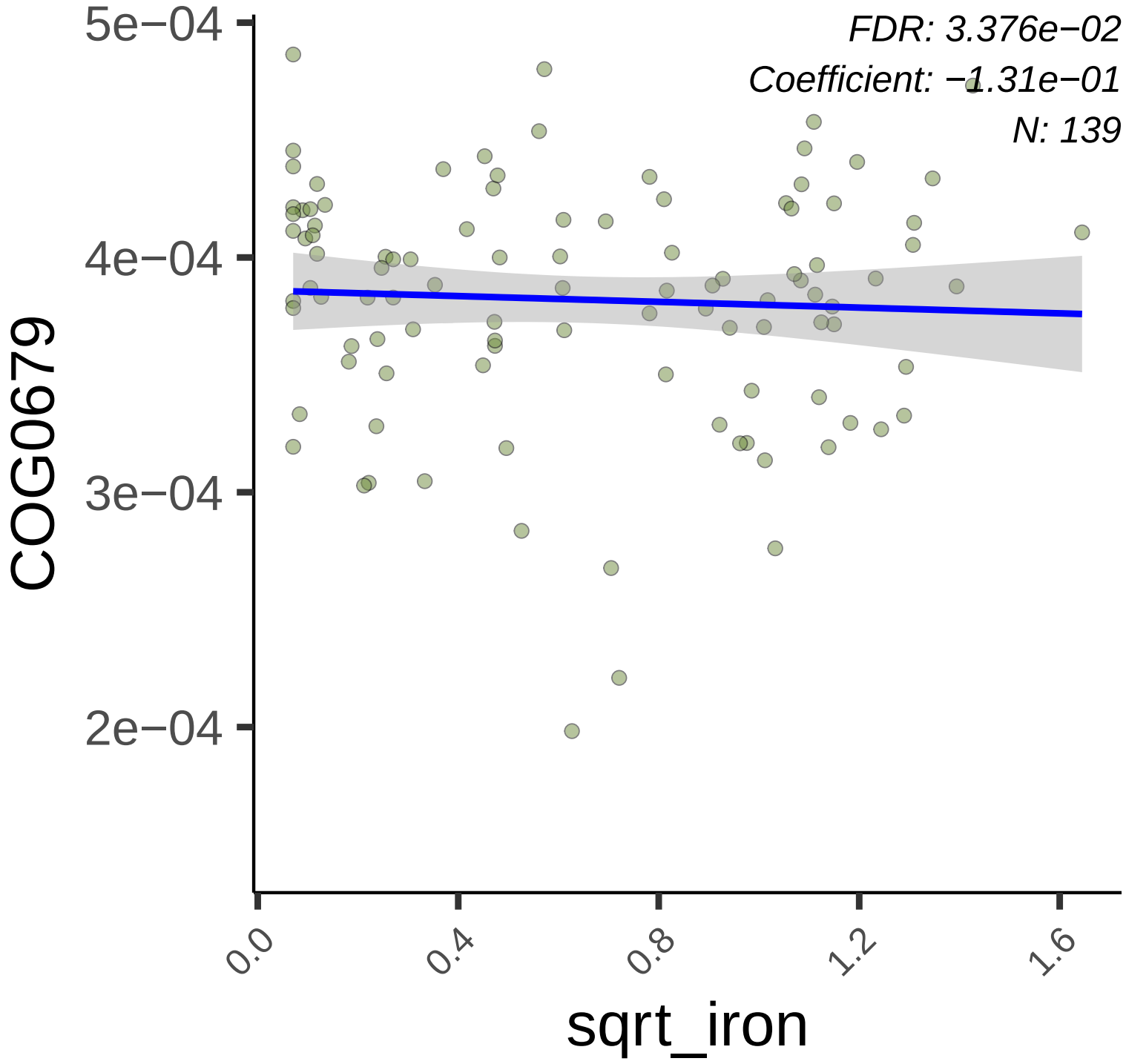
0.0010
0.0008
0.0006
COG0749
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.339e−02
Coefficient: 1.37e+00
N: 139
COG4279
6e−05
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.347e−02
Coefficient: 3.13e−01
N: 139
0.00012
0.00009
0.00006
0.00003
COG3040
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.365e−02
Coefficient: −1.46e−01
N: 139
6e−04
5e−04
4e−04
3e−04
2e−04
COG1045
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.365e−02
Coefficient: 1.91e+00
N: 139
COG4455
2.5e−05
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.376e−02
Coefficient: −1.31e−01
N: 139
5e−04
4e−04
3e−04
2e−04
COG0679
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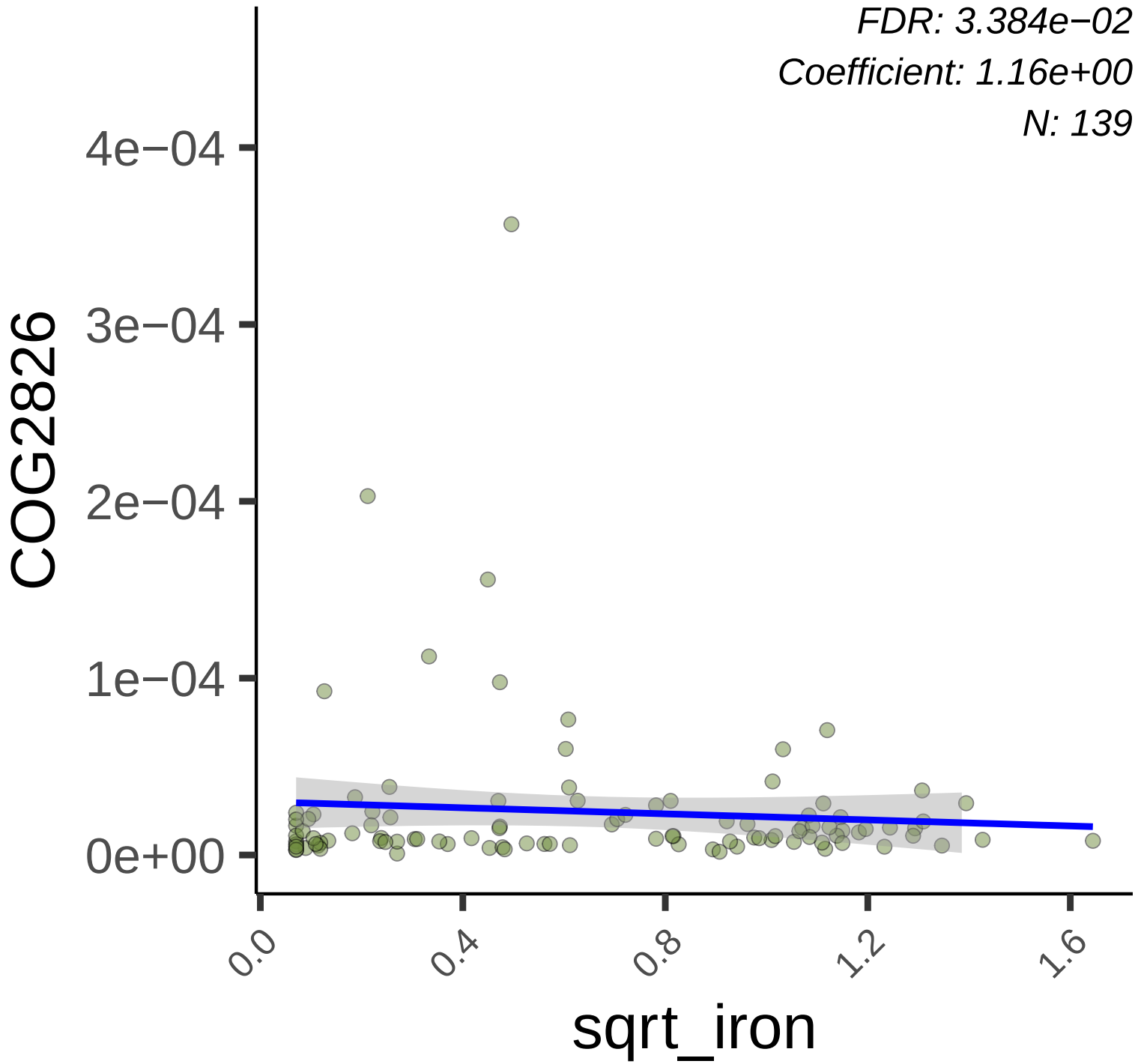
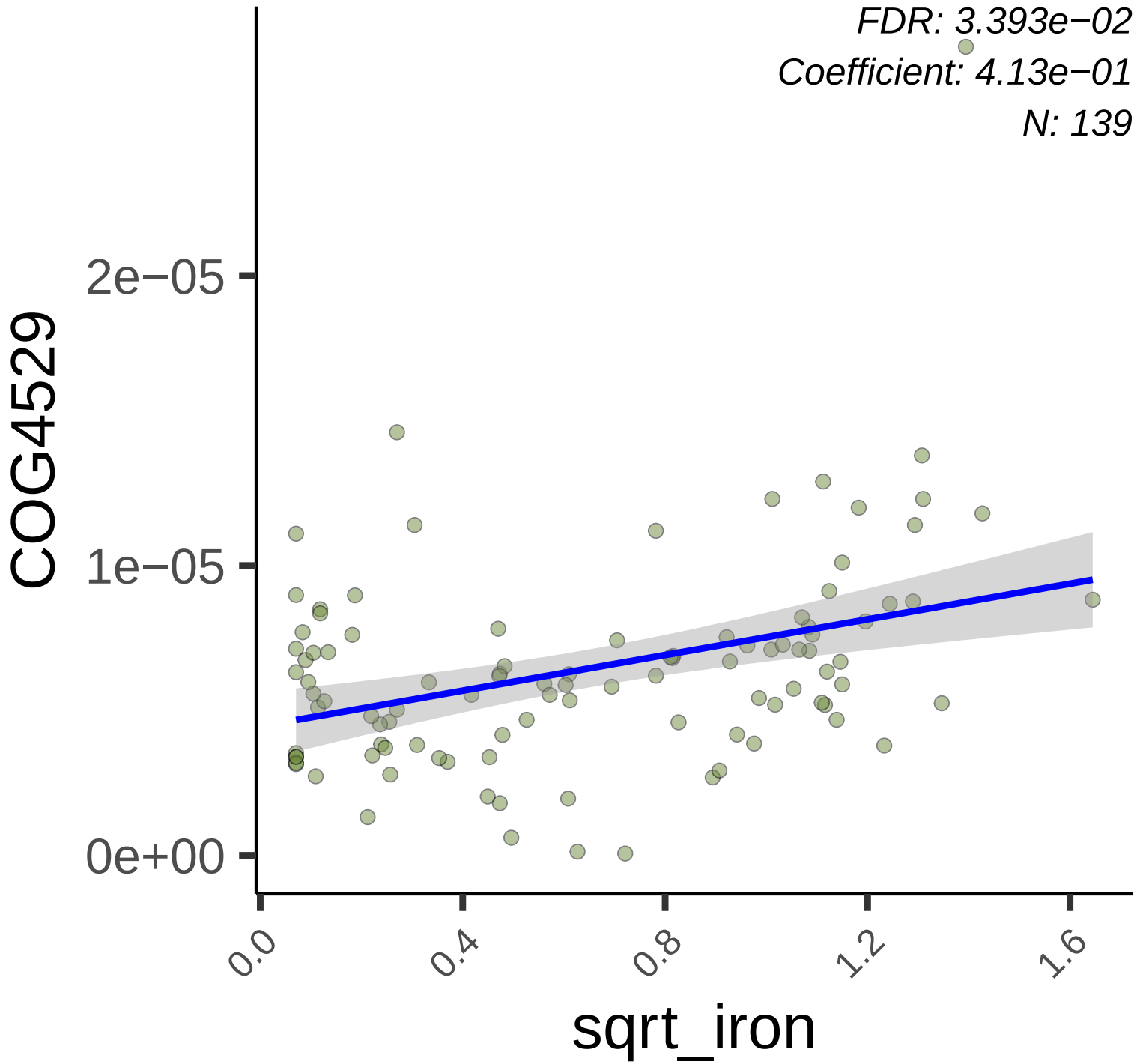
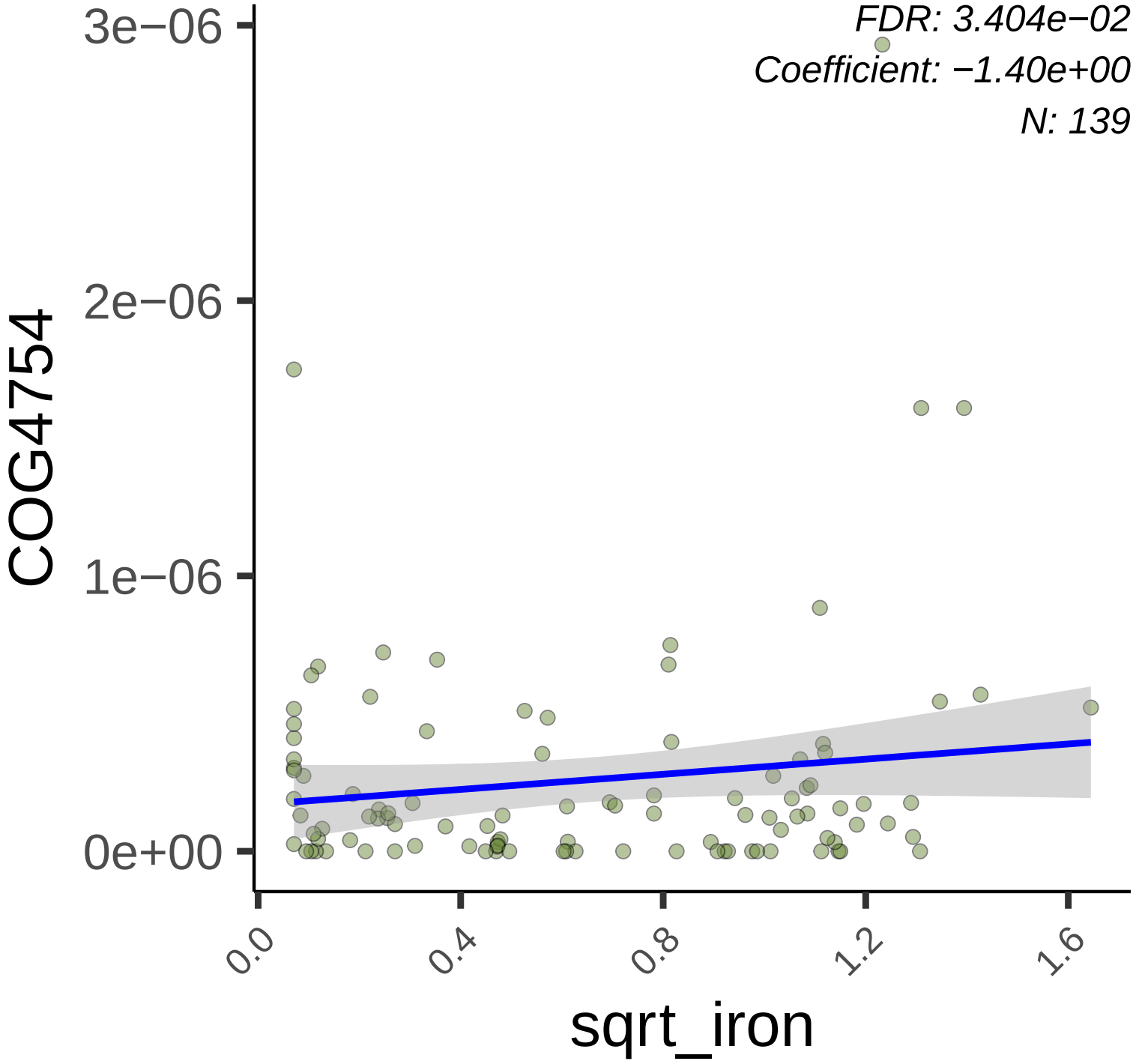
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.384e−02
Coefficient: 1.16e+00
N: 139
COG2826
4e−04
3e−04
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.393e−02
Coefficient: 4.13e−01
N: 139
COG4529
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.404e−02
Coefficient: −1.40e+00
N: 139
COG4754
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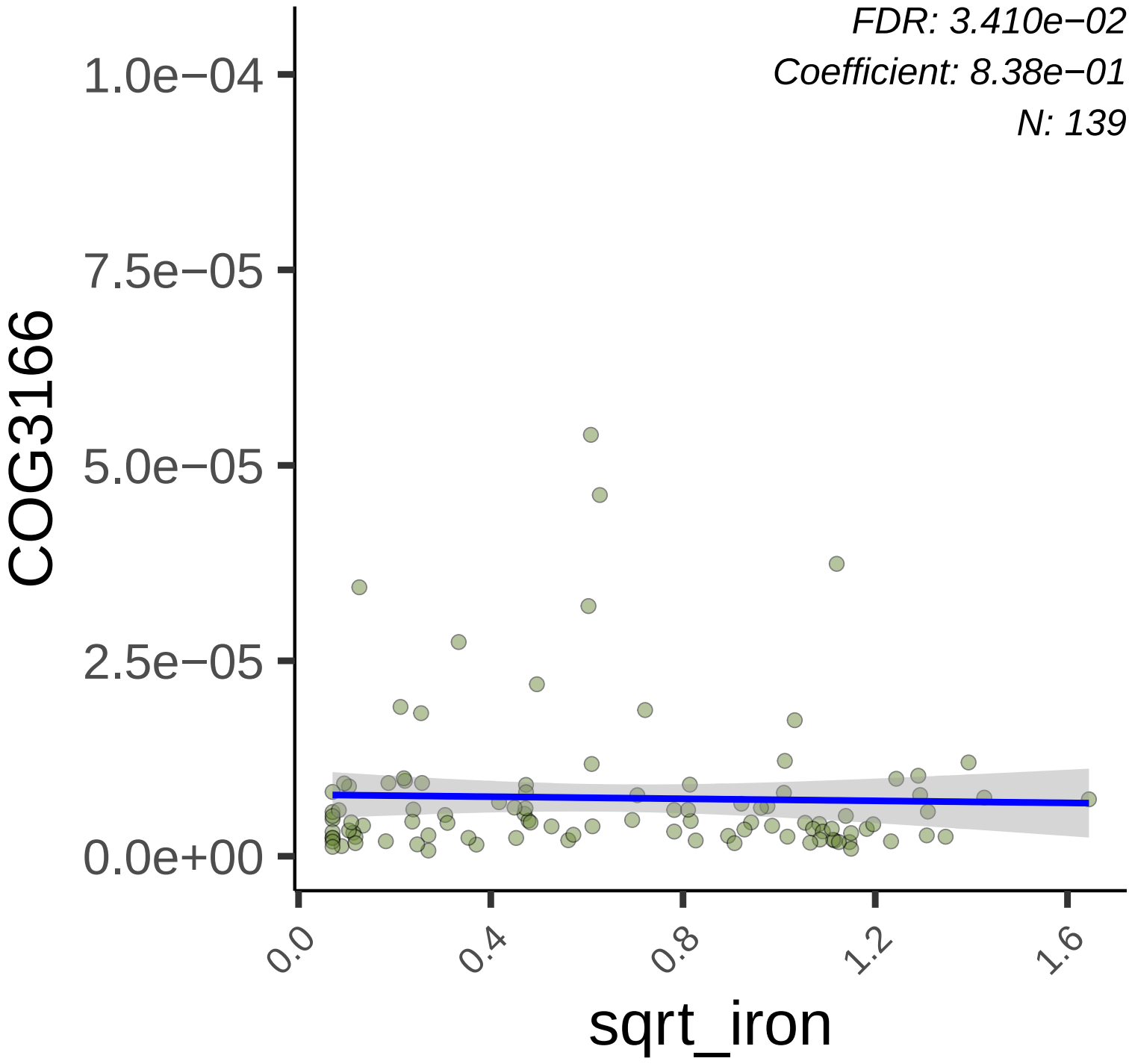
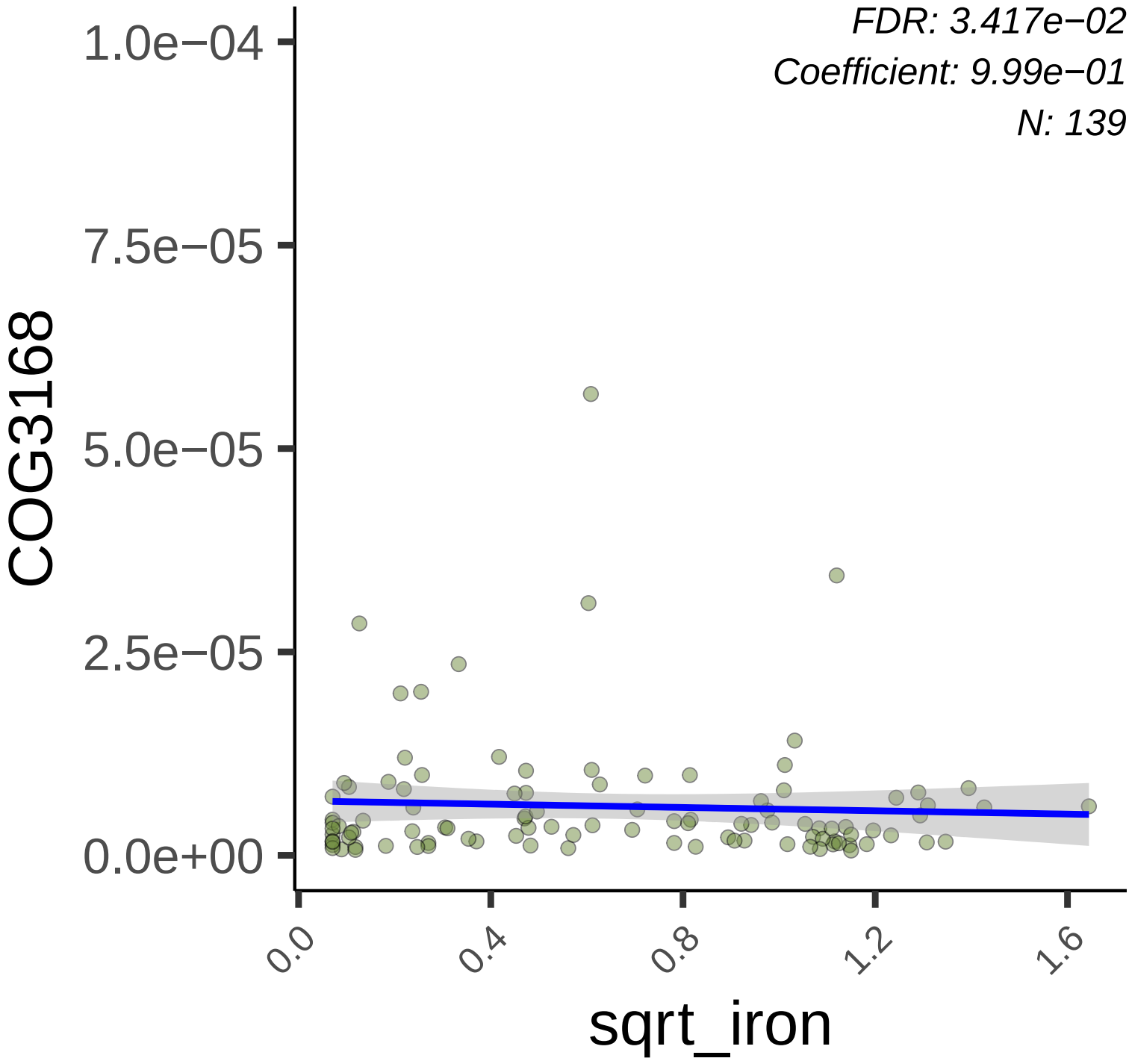
2e−06
1e−06
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.410e−02
Coefficient: 8.38e−01
N: 139
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG3166
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.417e−02
Coefficient: 9.99e−01
N: 139
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7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG3168
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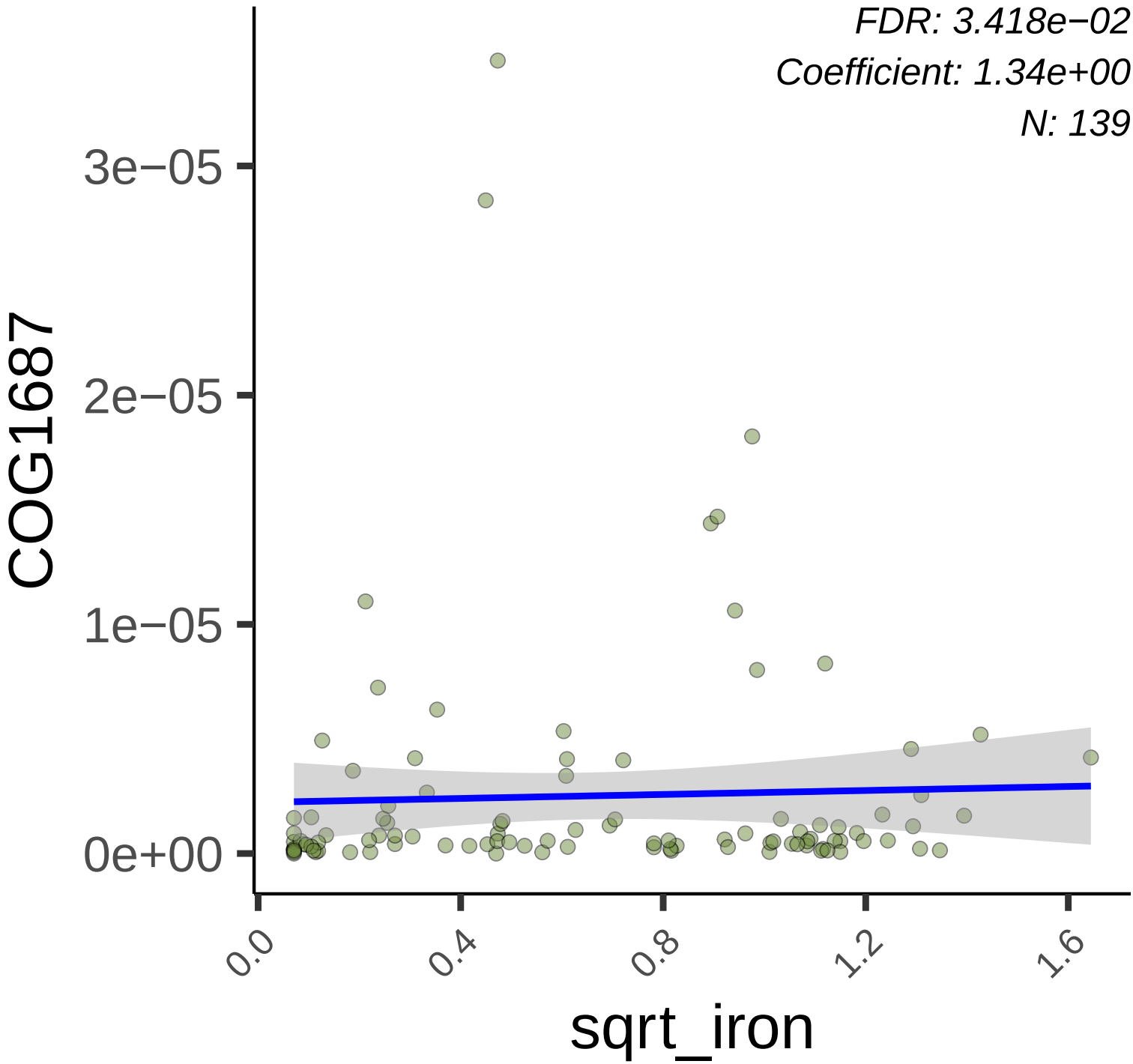
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.418e−02
Coefficient: 1.34e+00
N: 139
COG1687
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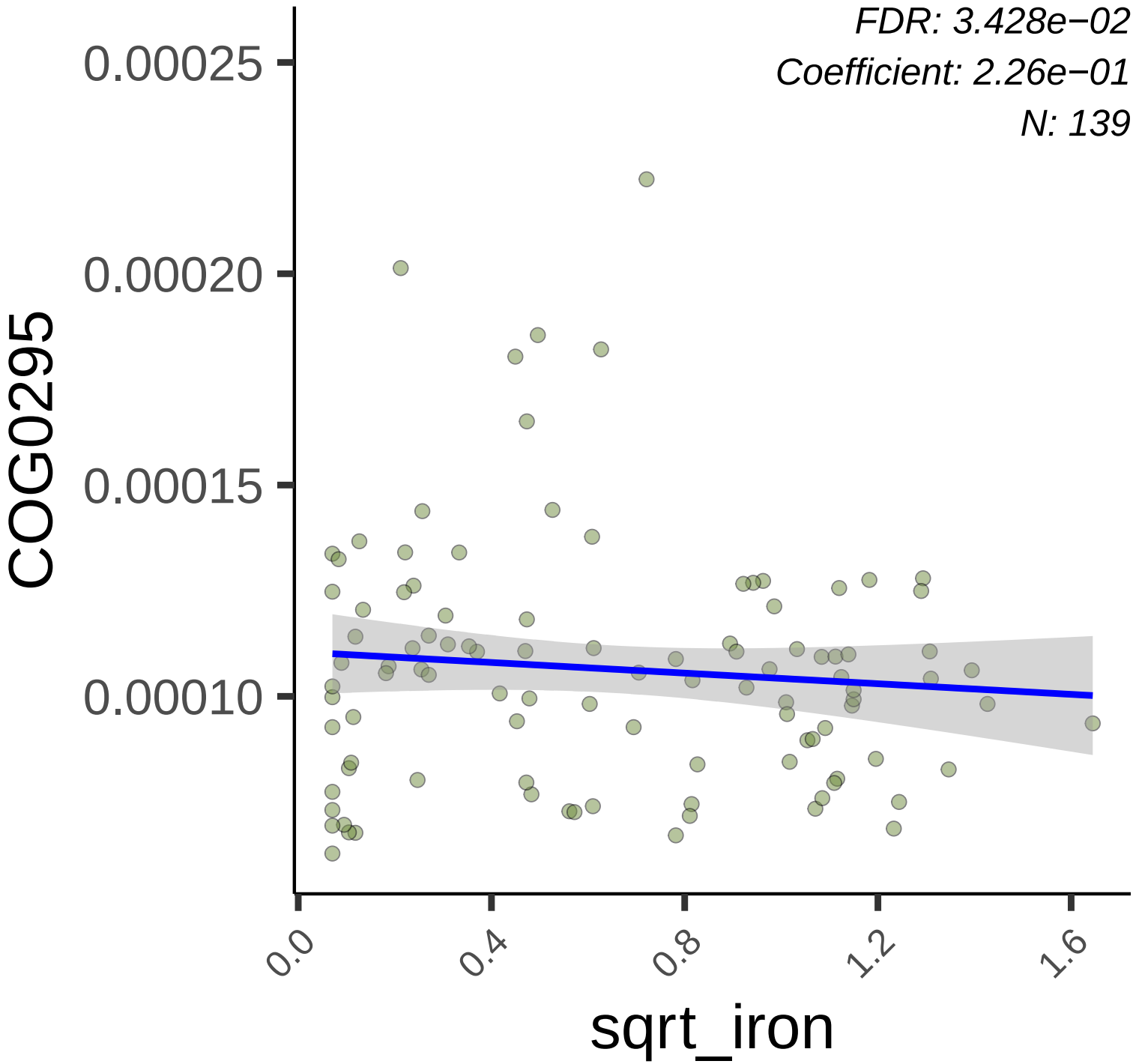
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.428e−02
Coefficient: 2.26e−01
N: 139
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0.00015
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COG0295
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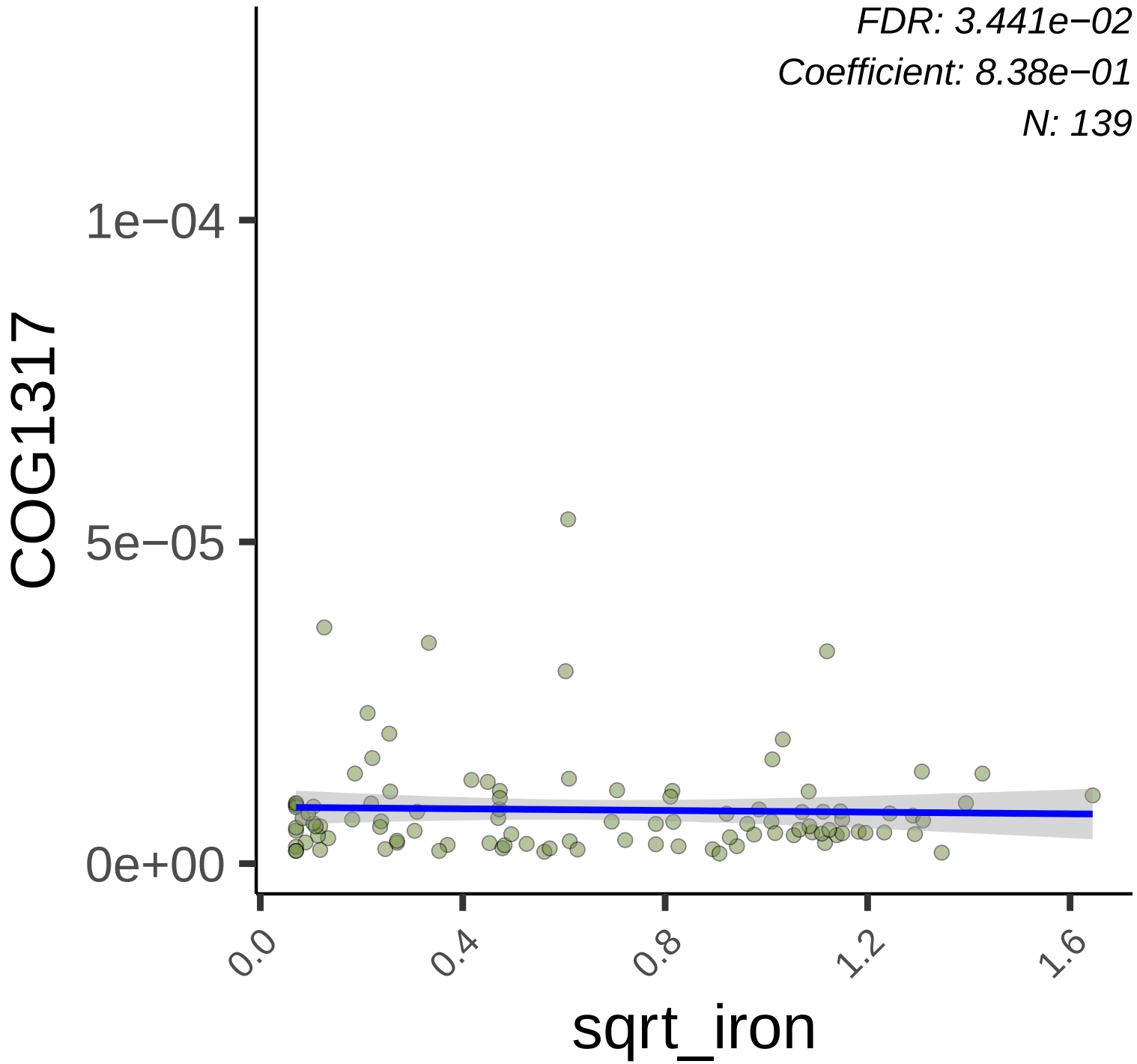
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.441e−02
Coefficient: 8.38e−01
N: 139
COG1317
1e−04
5e−05
0e+00
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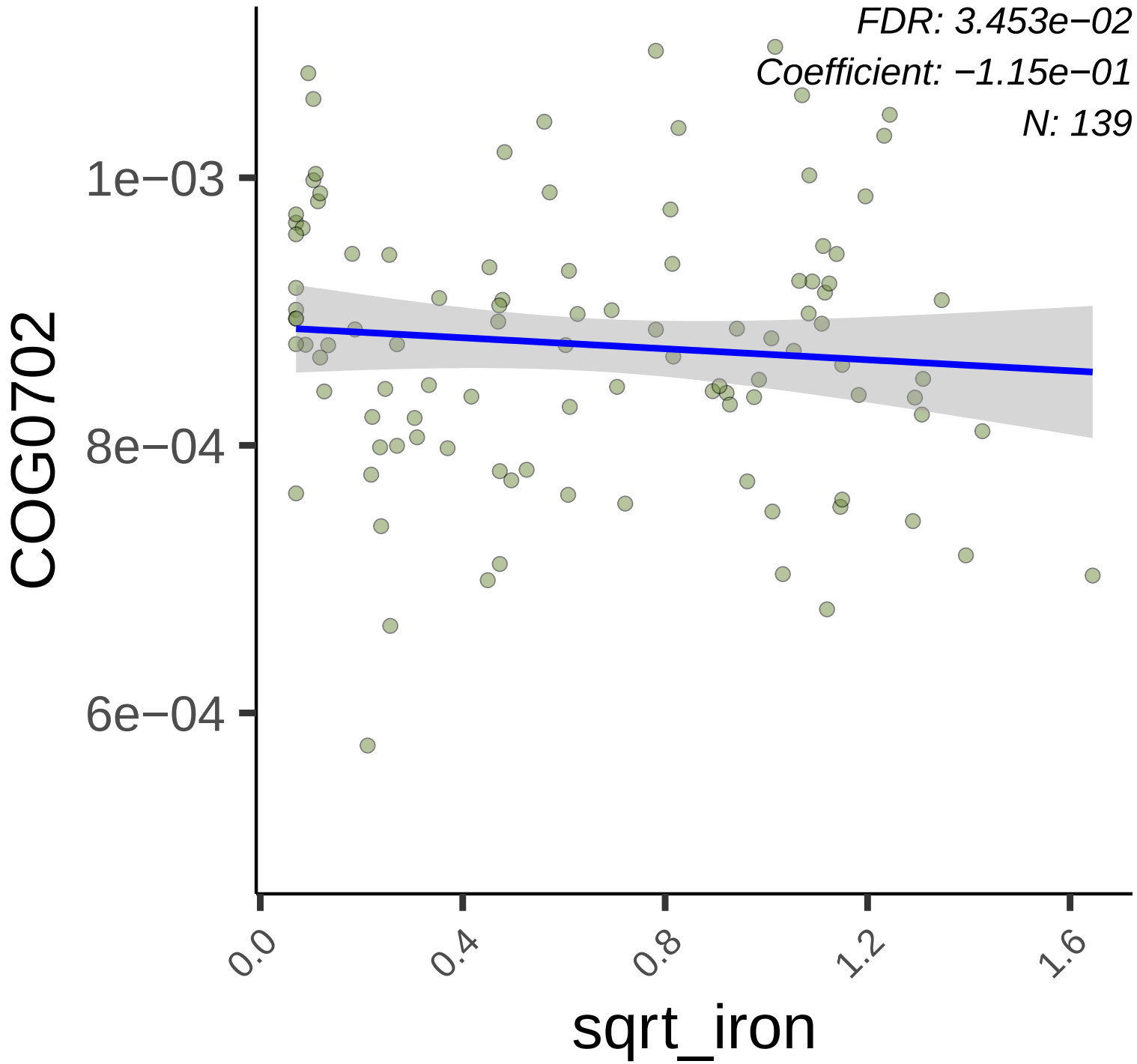
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.453e−02
Coefficient: −1.15e−01
N: 139
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8e−04
6e−04
COG0702
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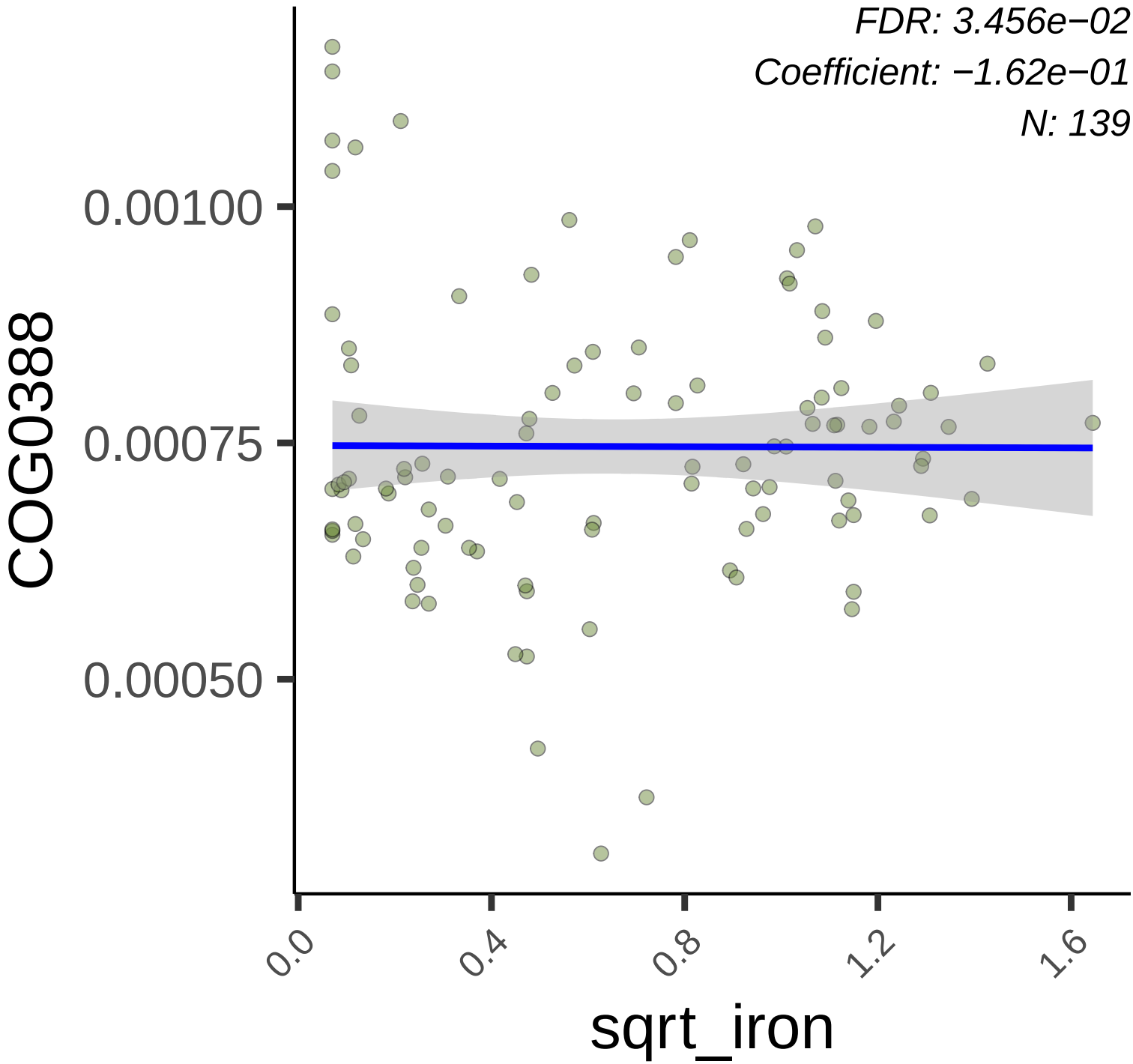
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.456e−02
Coefficient: −1.62e−01
N: 139
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COG0388
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0.4
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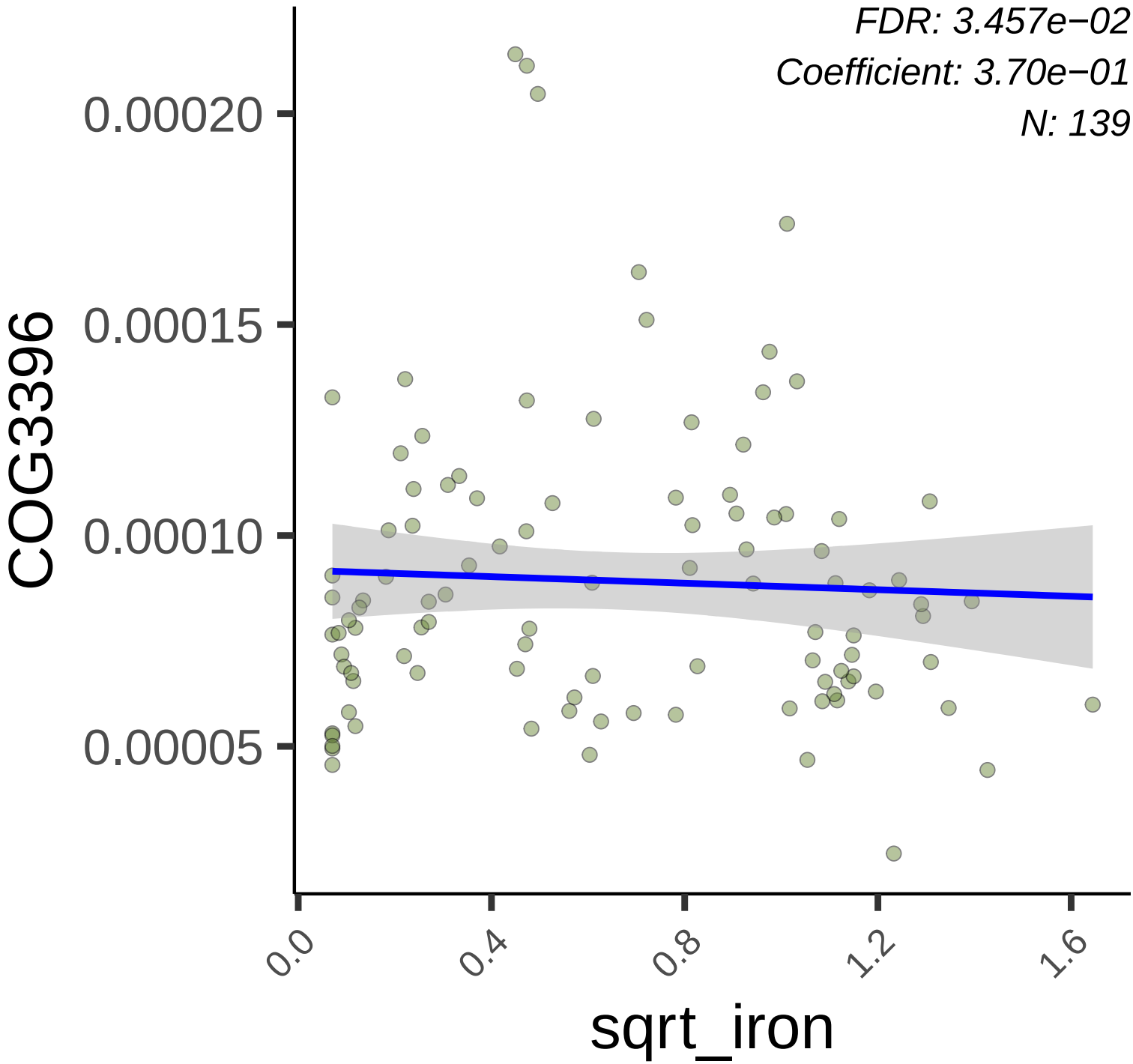
1.2
1.6
sqrt_iron


FDR: 3.457e−02
Coefficient: 3.70e−01
N: 139
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0.00010
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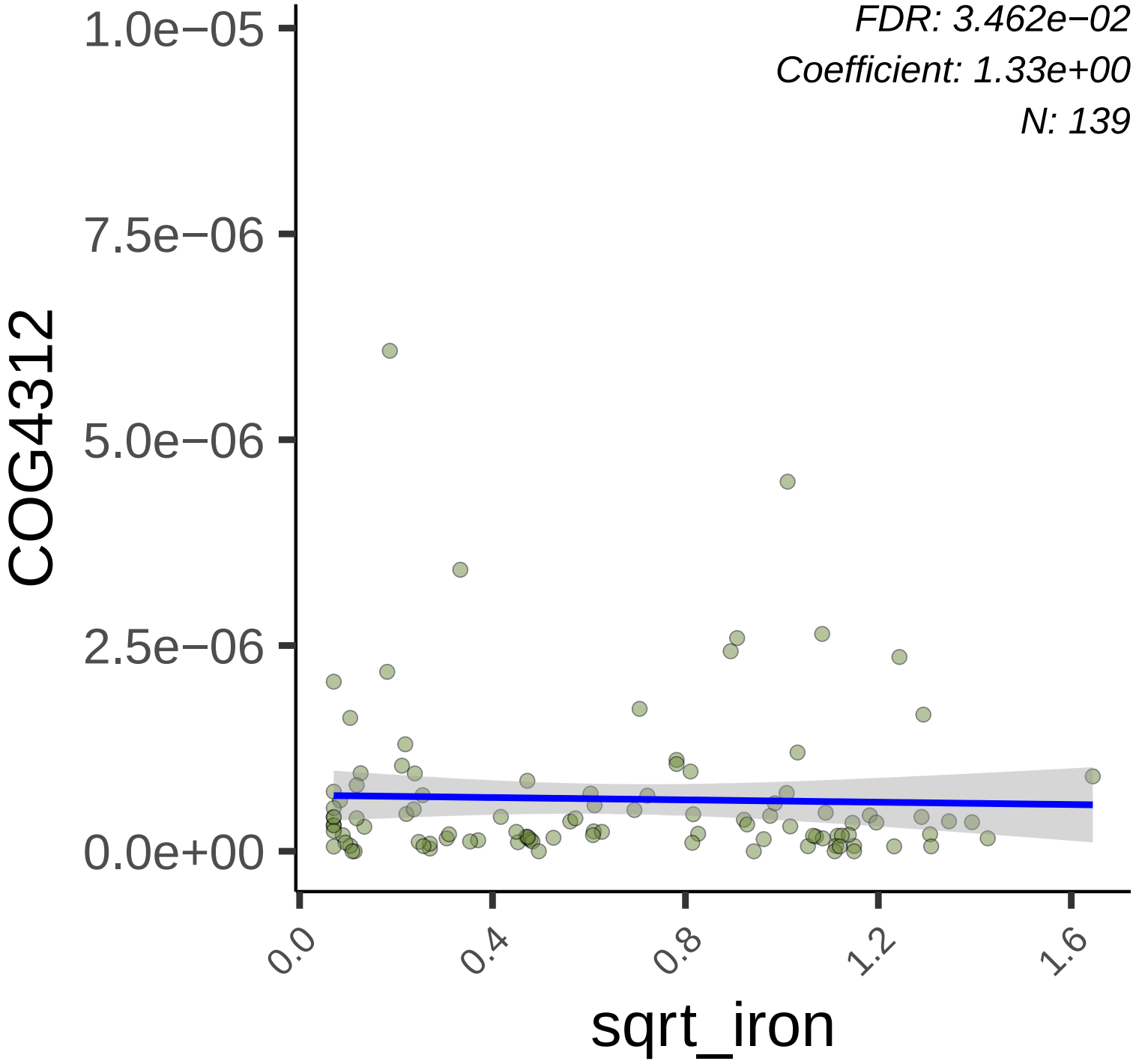
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.462e−02
Coefficient: 1.33e+00
N: 139
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7.5e−06
5.0e−06
2.5e−06
0.0e+00
COG4312
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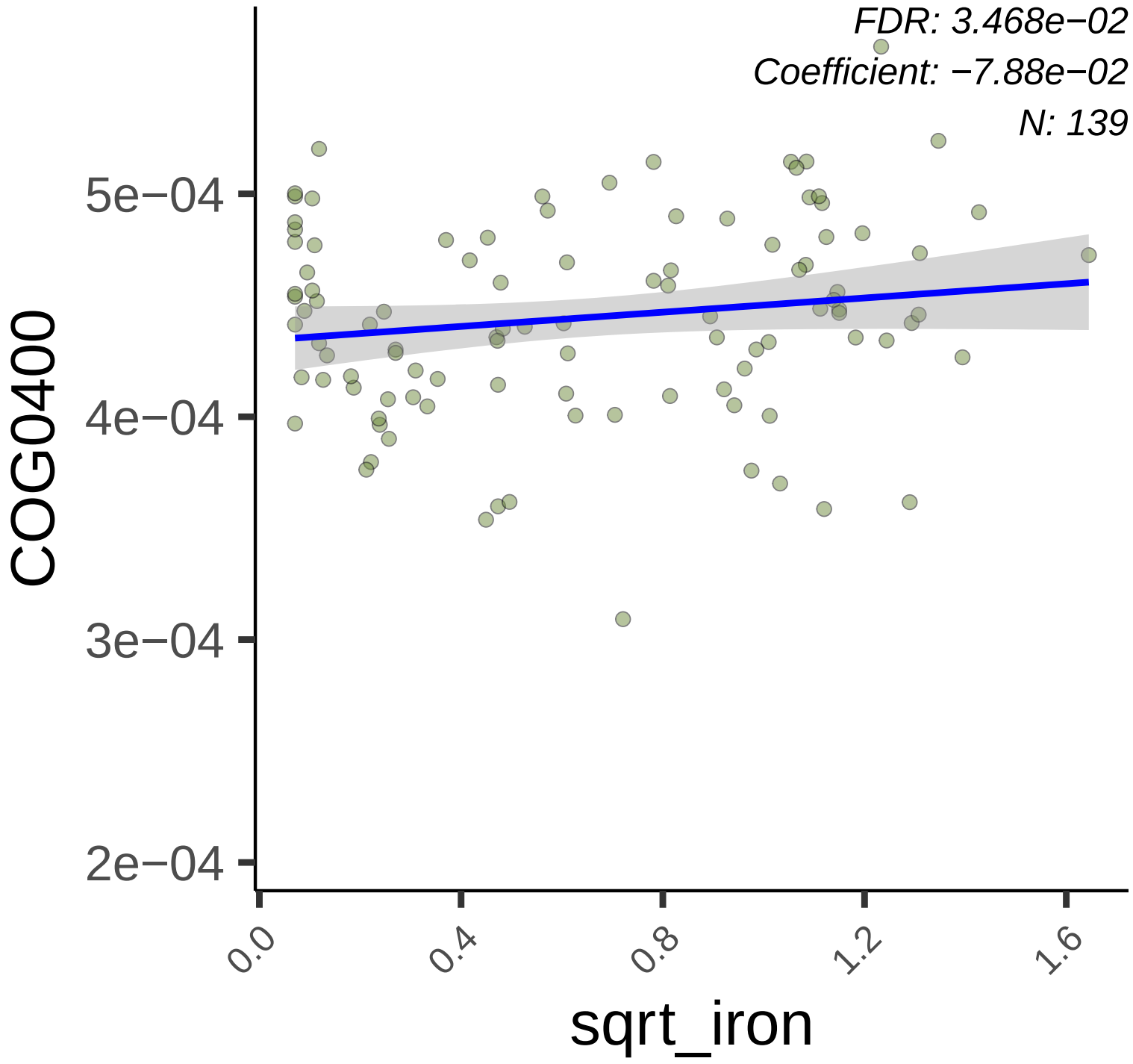
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.468e−02
Coefficient: −7.88e−02
N: 139
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3e−04
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COG0400
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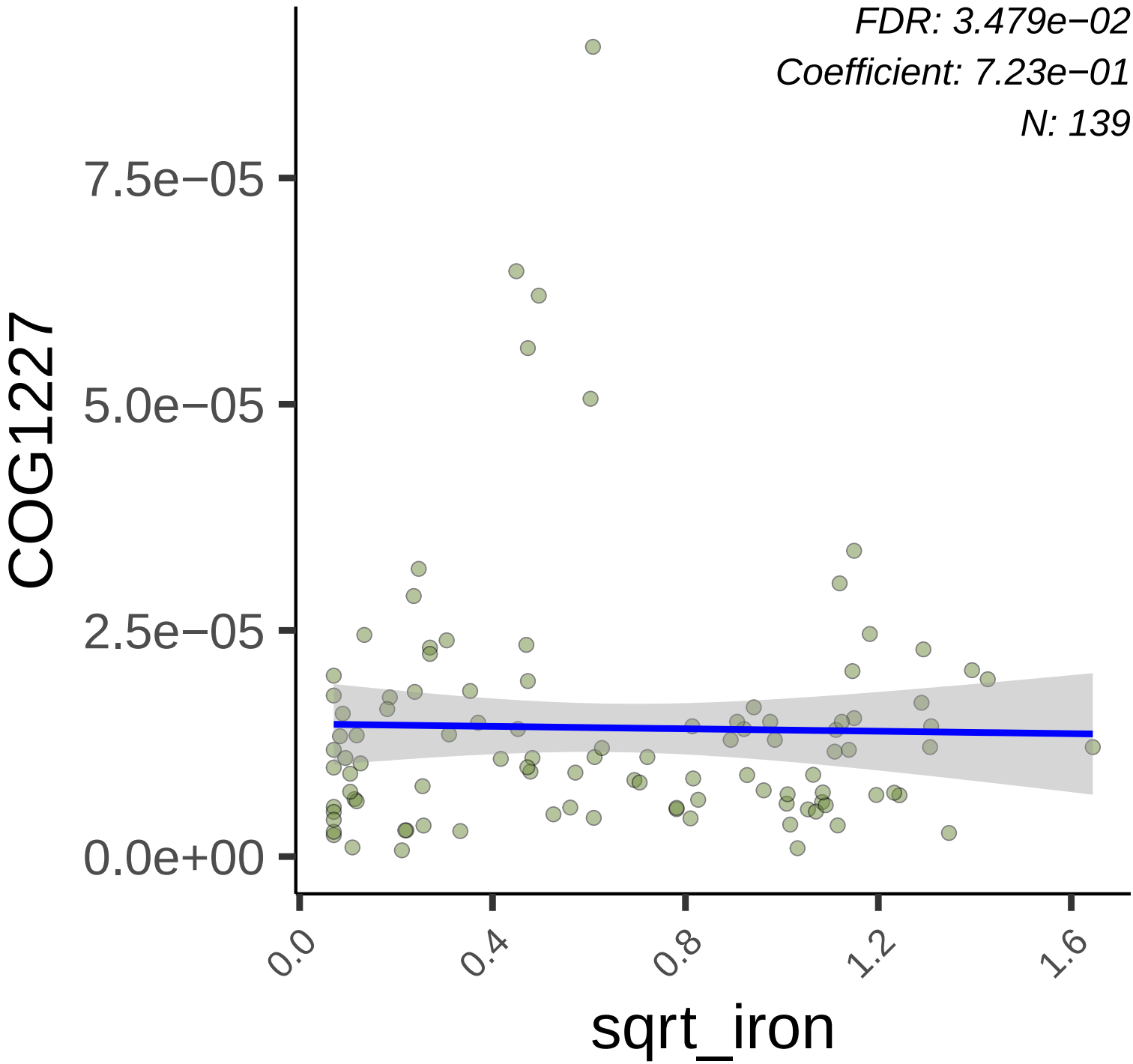
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.479e−02
Coefficient: 7.23e−01
N: 139
COG1227
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2.5e−05
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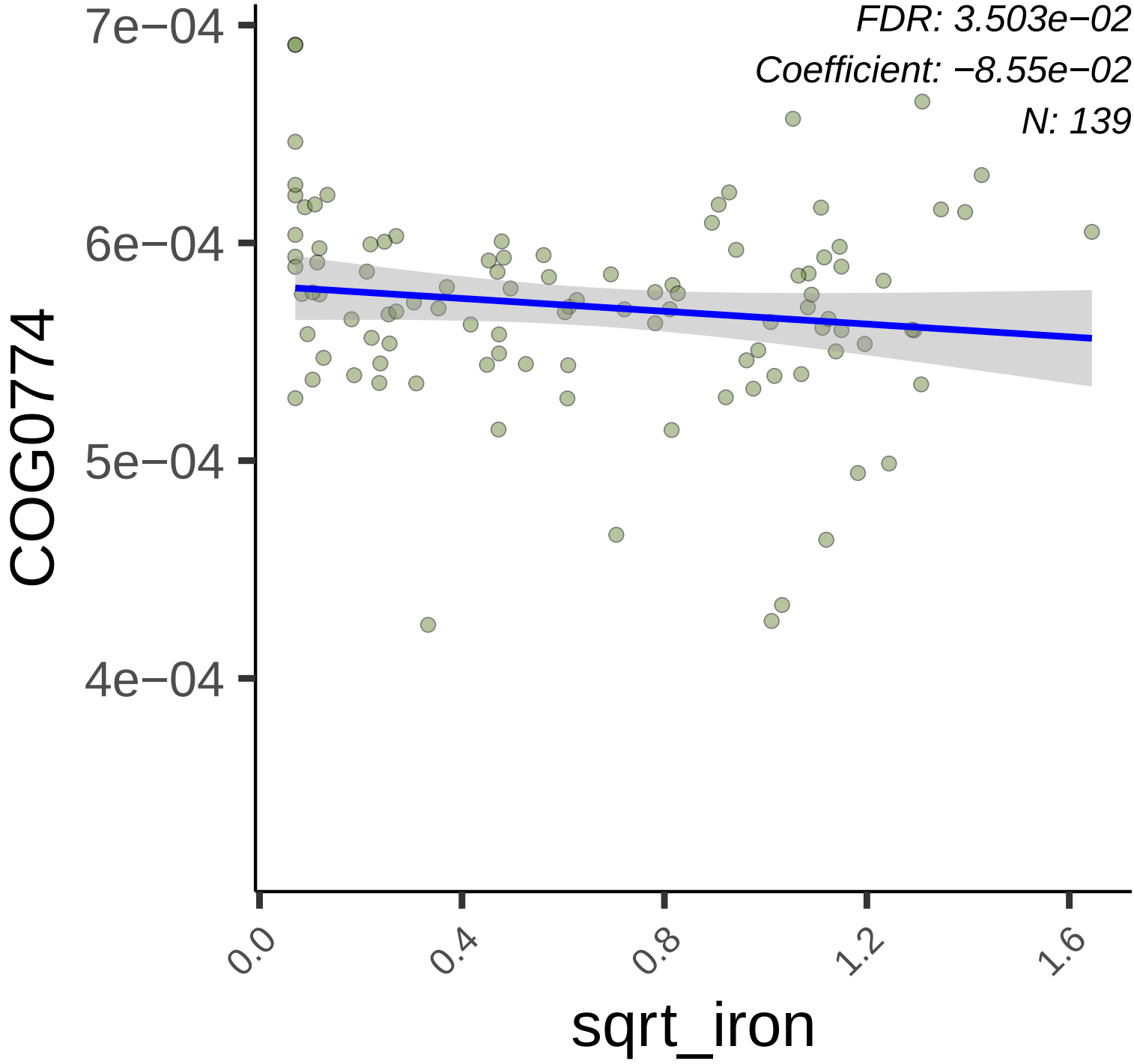
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.503e−02
Coefficient: −8.55e−02
N: 139
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6e−04
5e−04
4e−04
COG0774
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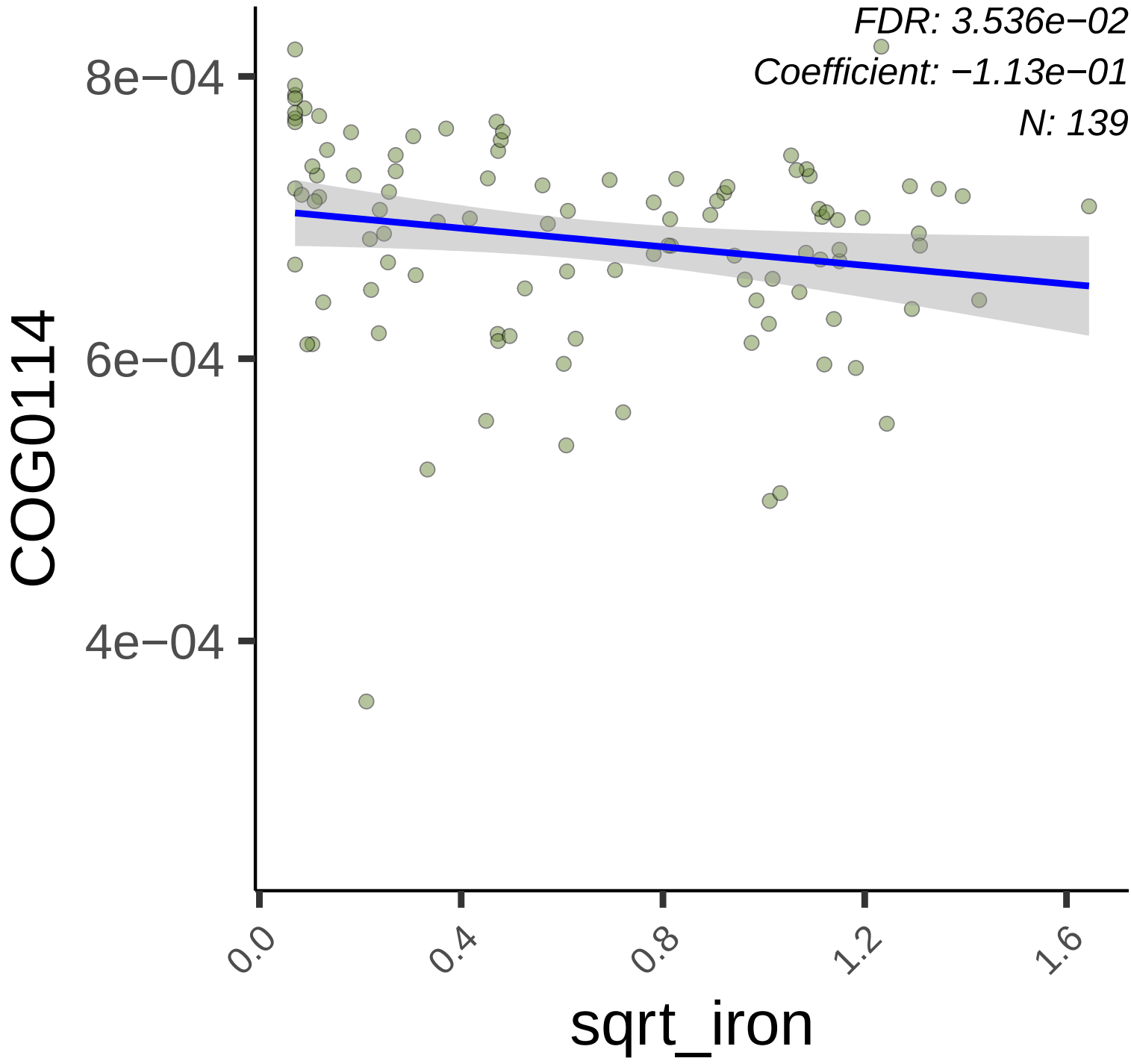
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.536e−02
Coefficient: −1.13e−01
N: 139
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6e−04
4e−04
COG0114
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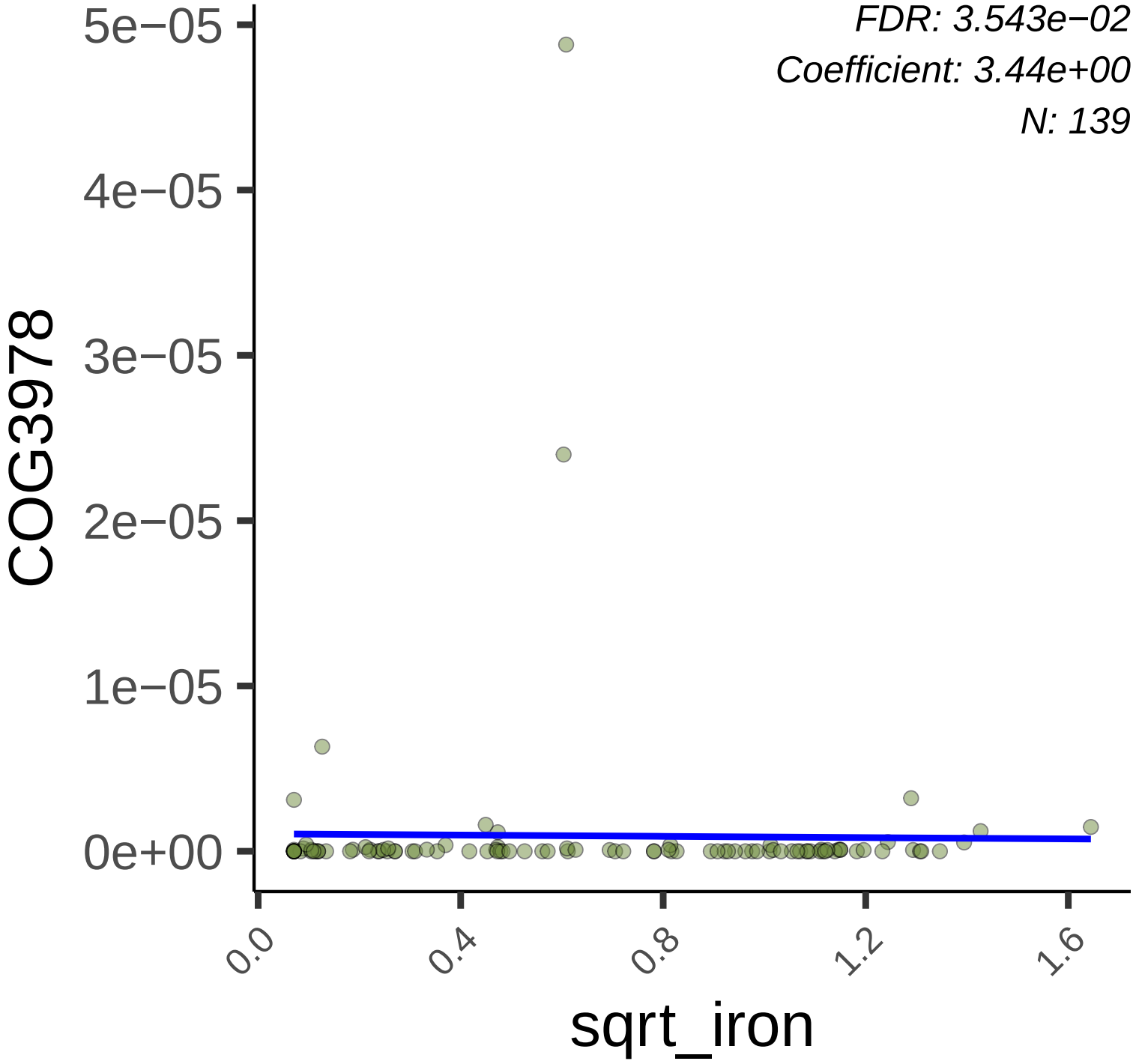
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.543e−02
Coefficient: 3.44e+00
N: 139
COG3978
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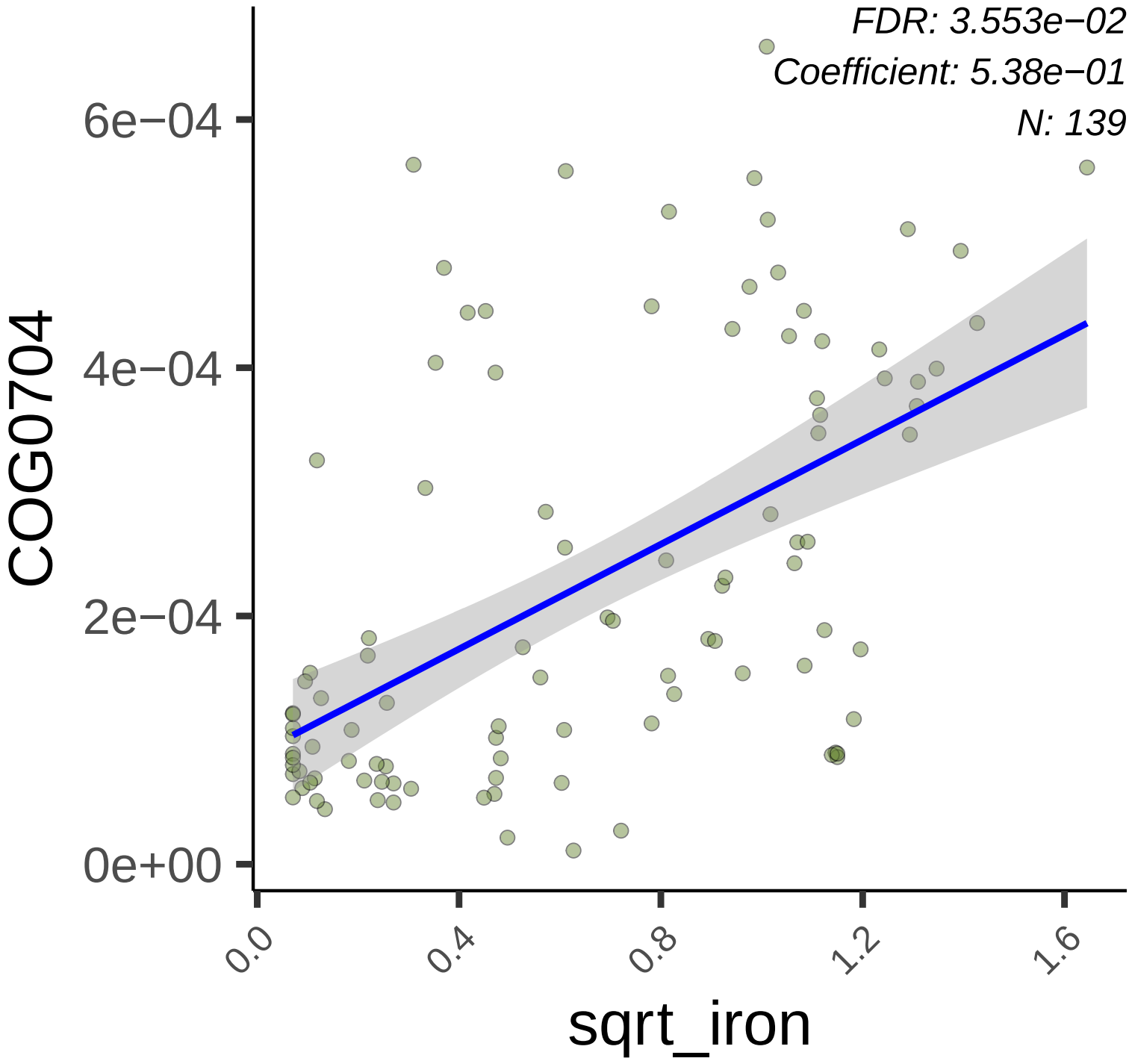
4e−05
3e−05
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.553e−02
Coefficient: 5.38e−01
N: 139
COG0704
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4e−04
2e−04
0e+00
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0.4
0.8
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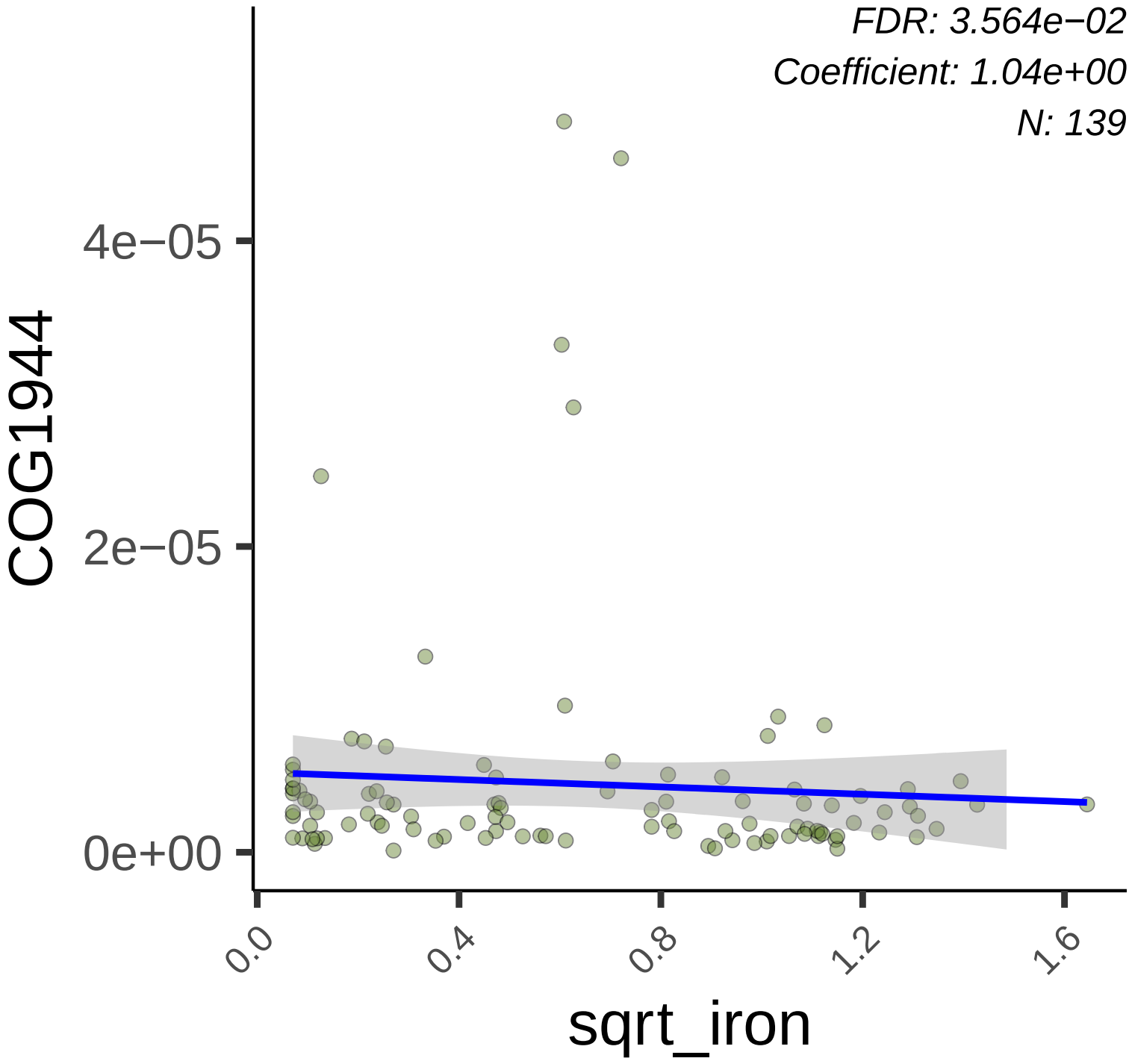
1.6
sqrt_iron


FDR: 3.564e−02
Coefficient: 1.04e+00
N: 139
COG1944
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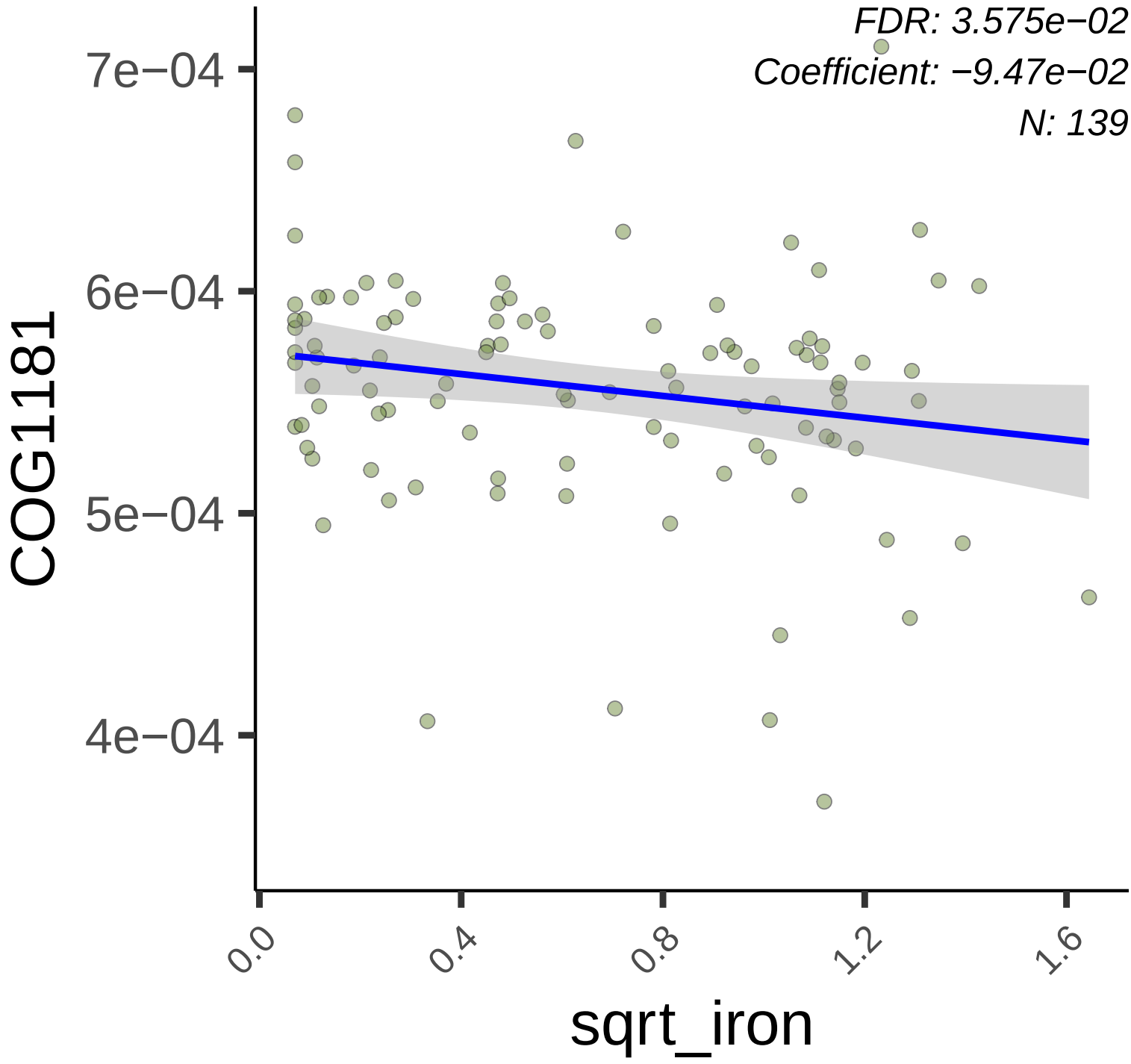
0.8
1.2
1.6
sqrt_iron


FDR: 3.575e−02
Coefficient: −9.47e−02
N: 139
7e−04
6e−04
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COG1181
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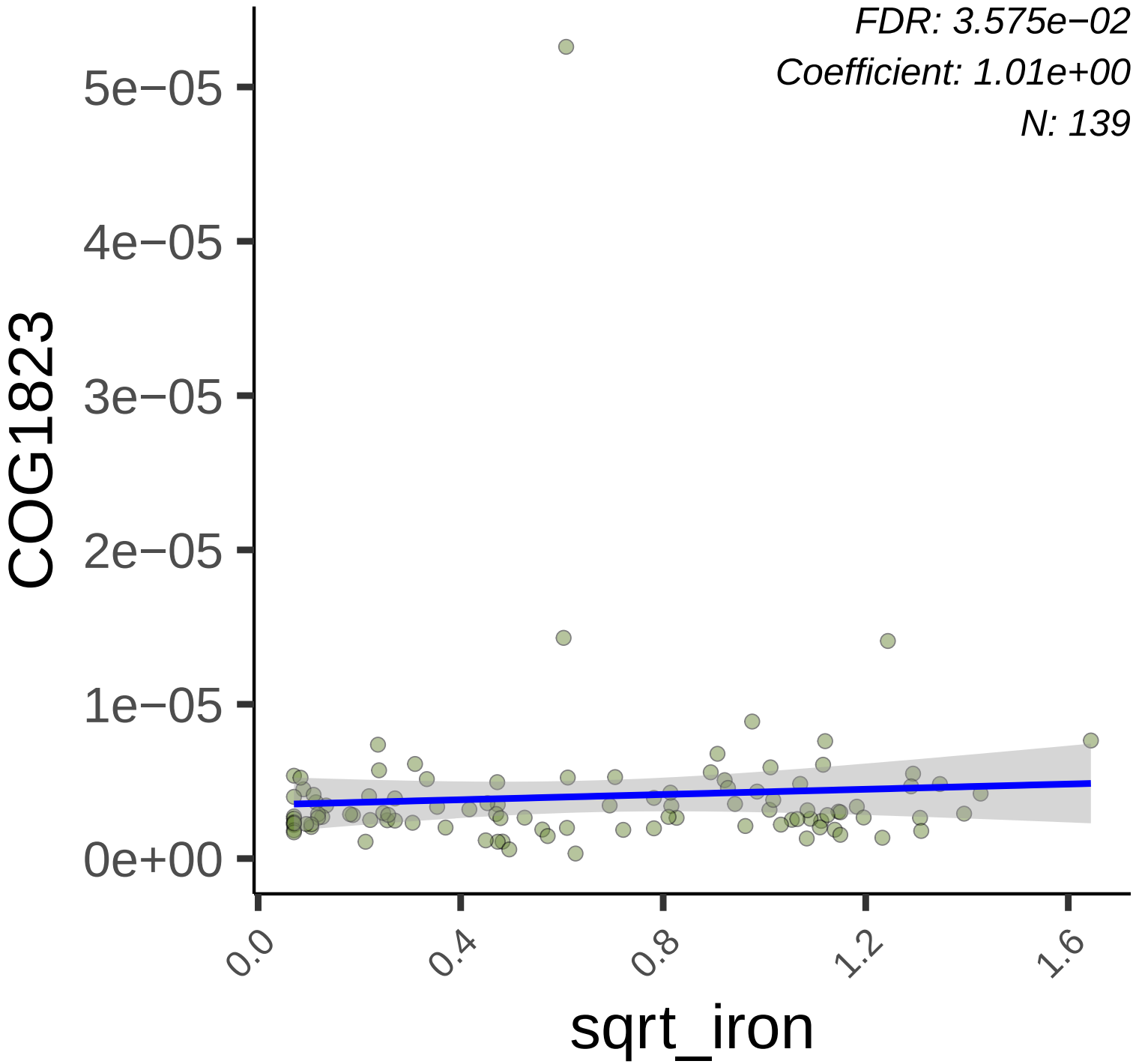
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.575e−02
Coefficient: 1.01e+00
N: 139
COG1823
5e−05
4e−05
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2e−05
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0.4
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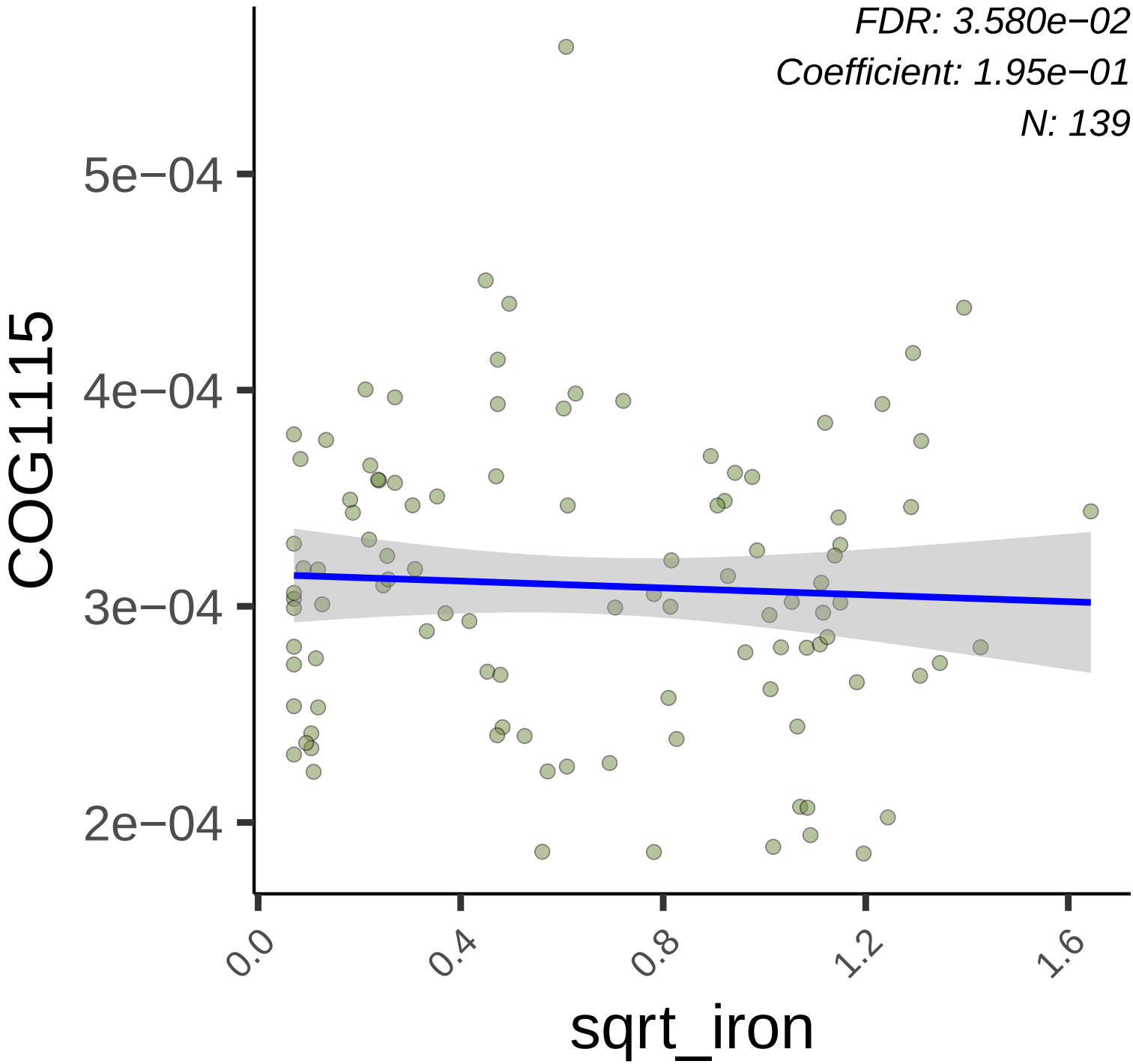
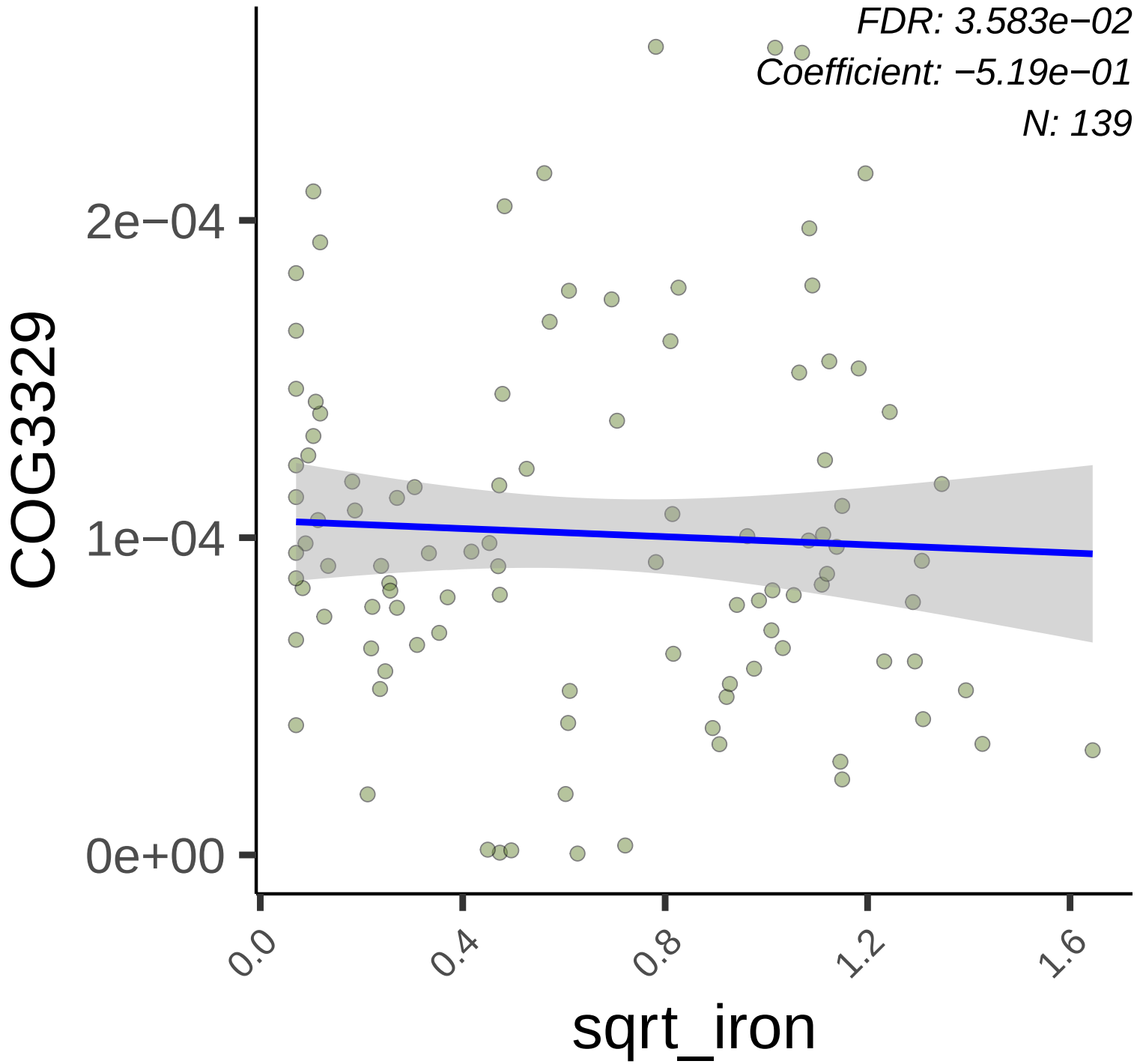
1.6
sqrt_iron


FDR: 3.580e−02
Coefficient: 1.95e−01
N: 139
COG1115
5e−04
4e−04
3e−04
2e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.583e−02
Coefficient: −5.19e−01
N: 139
COG3329
2e−04
1e−04
0e+00
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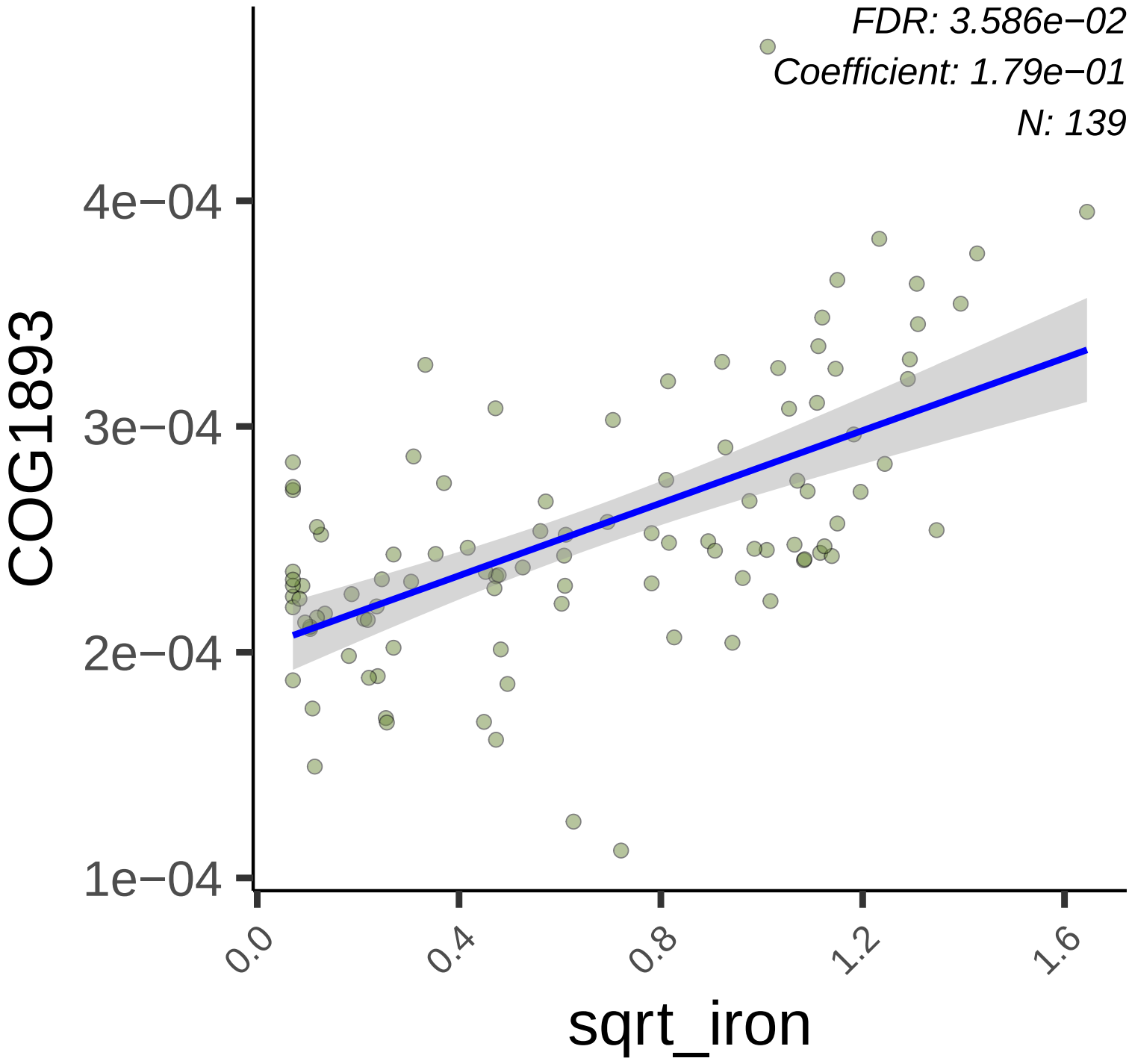
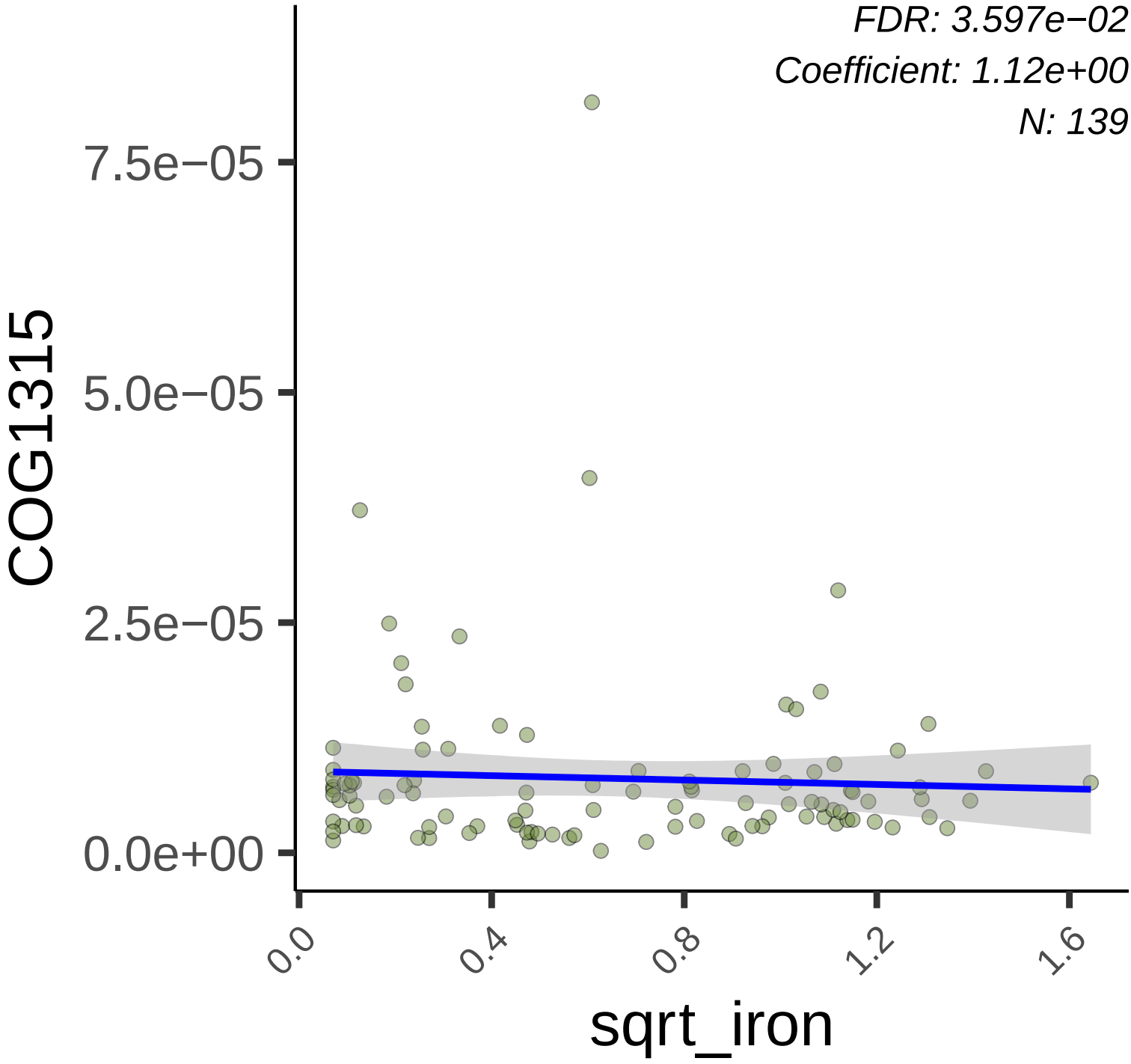
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.586e−02
Coefficient: 1.79e−01
N: 139
COG1893
4e−04
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.597e−02
Coefficient: 1.12e+00
N: 139
COG1315
7.5e−05
5.0e−05
2.5e−05
0.0e+00
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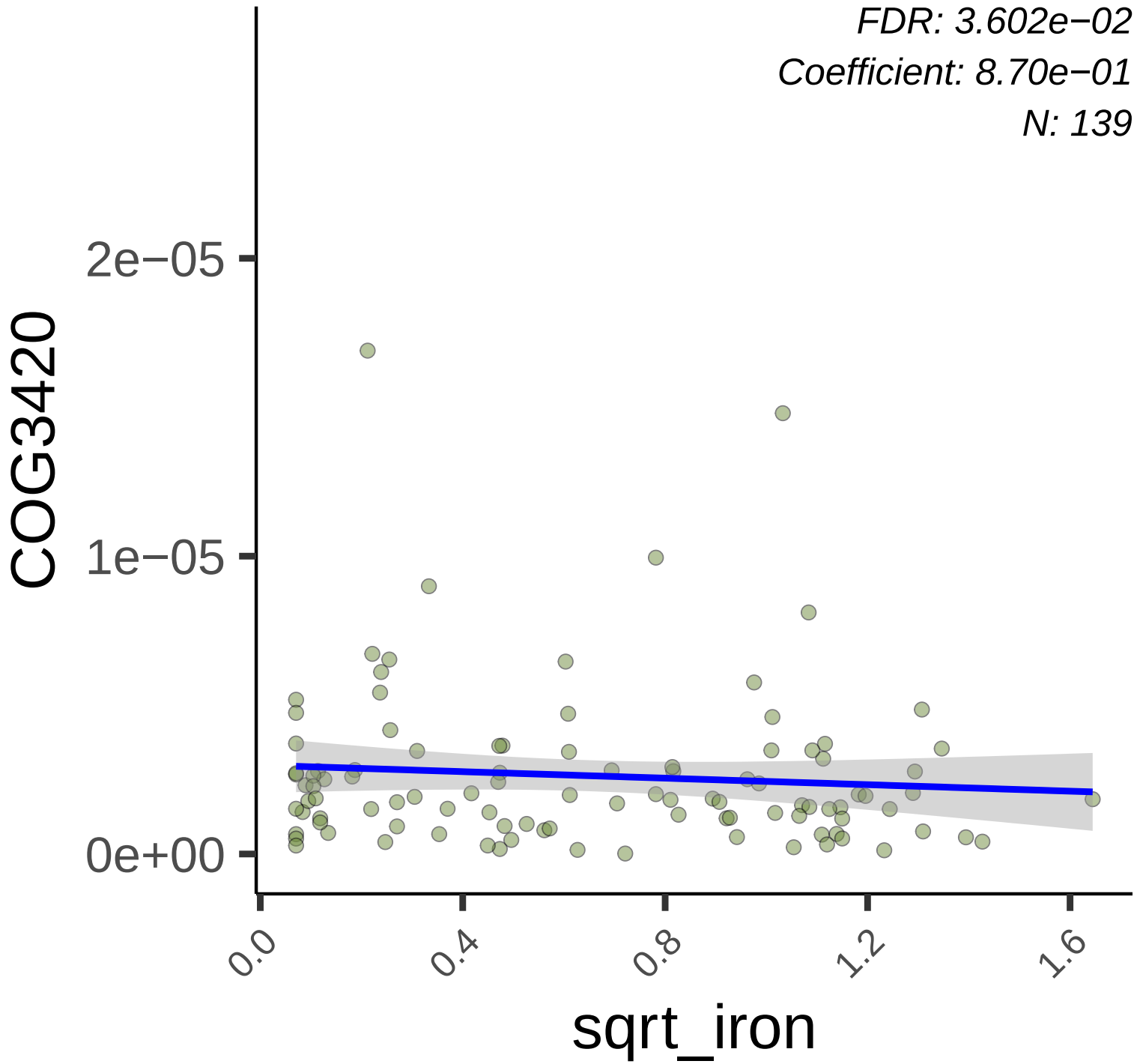
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.602e−02
Coefficient: 8.70e−01
N: 139
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2e−05
1e−05
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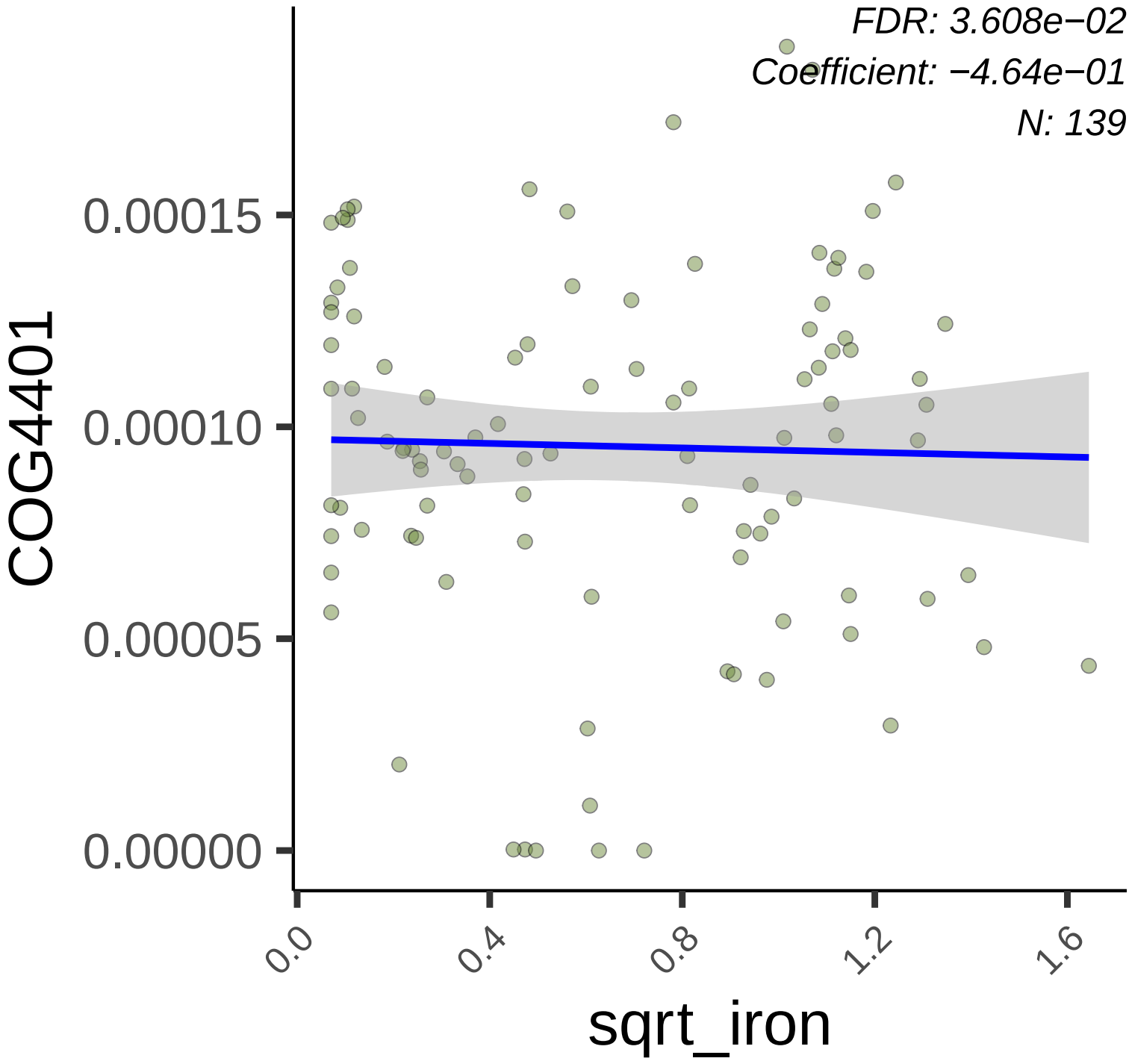
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.608e−02
Coefficient: −4.64e−01
N: 139
COG4401
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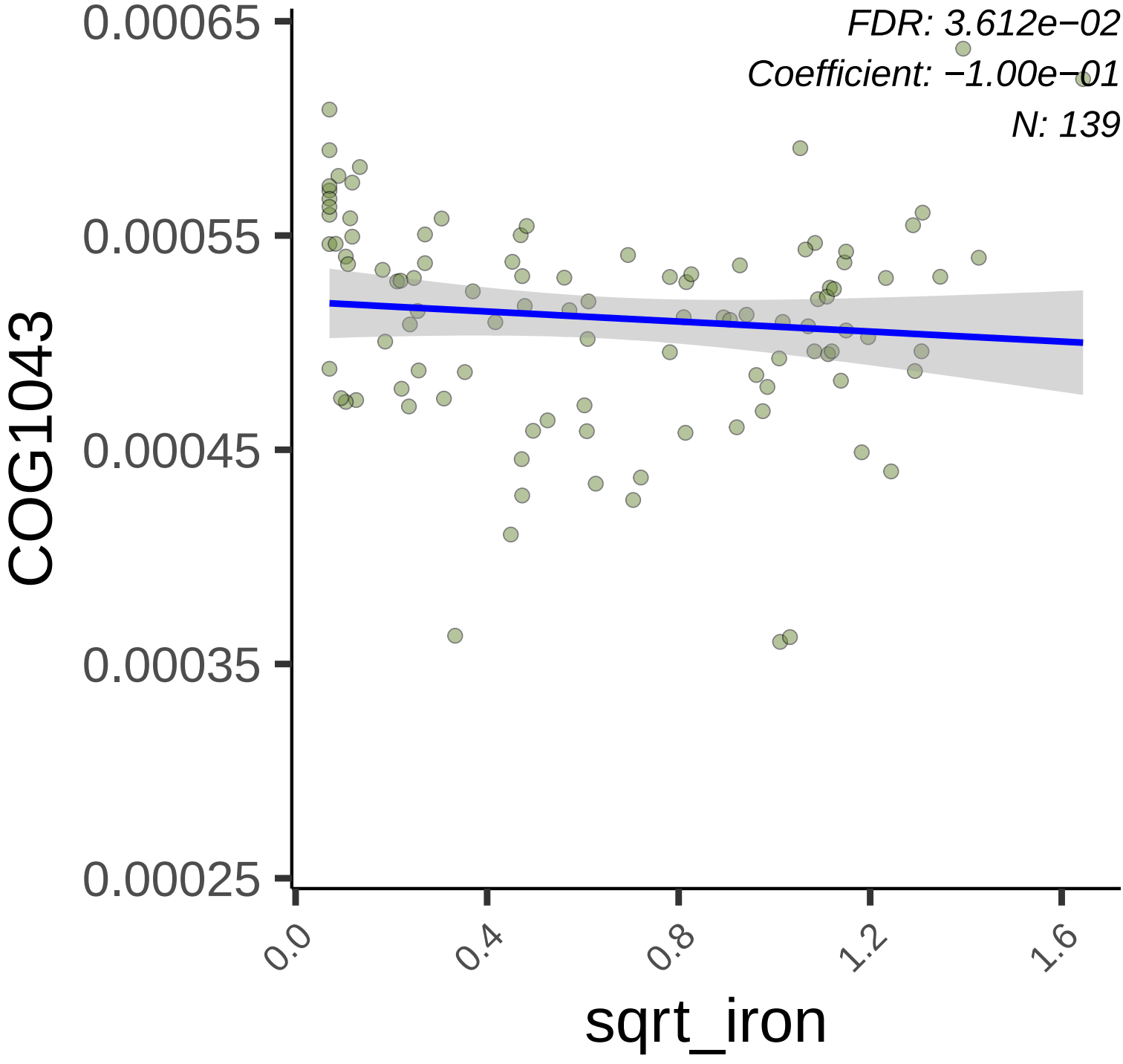
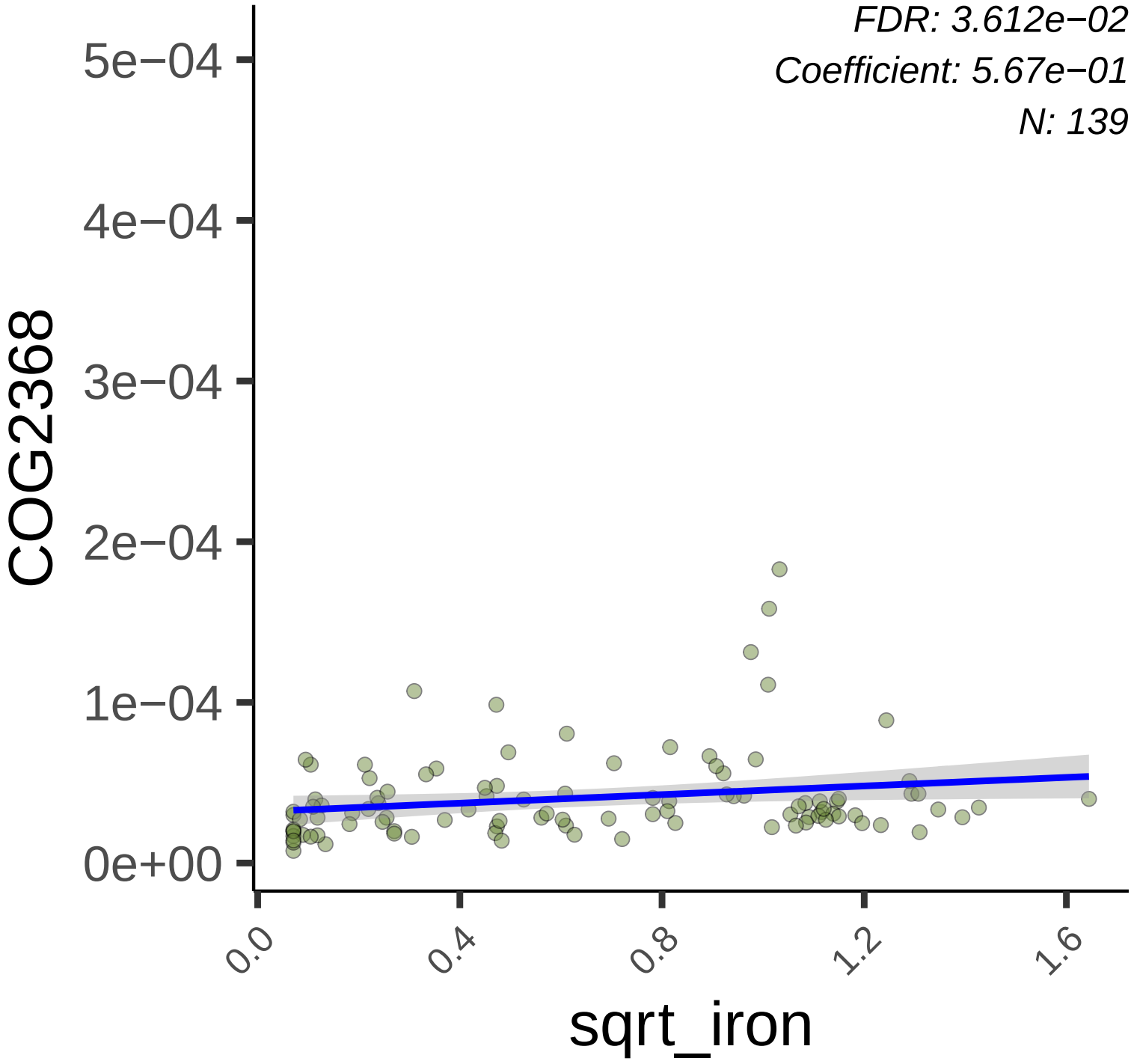
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.612e−02
Coefficient: −1.00e−01
N: 139
0.00065
0.00055
0.00045
0.00035
0.00025
COG1043
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.612e−02
Coefficient: 5.67e−01
N: 139
COG2368
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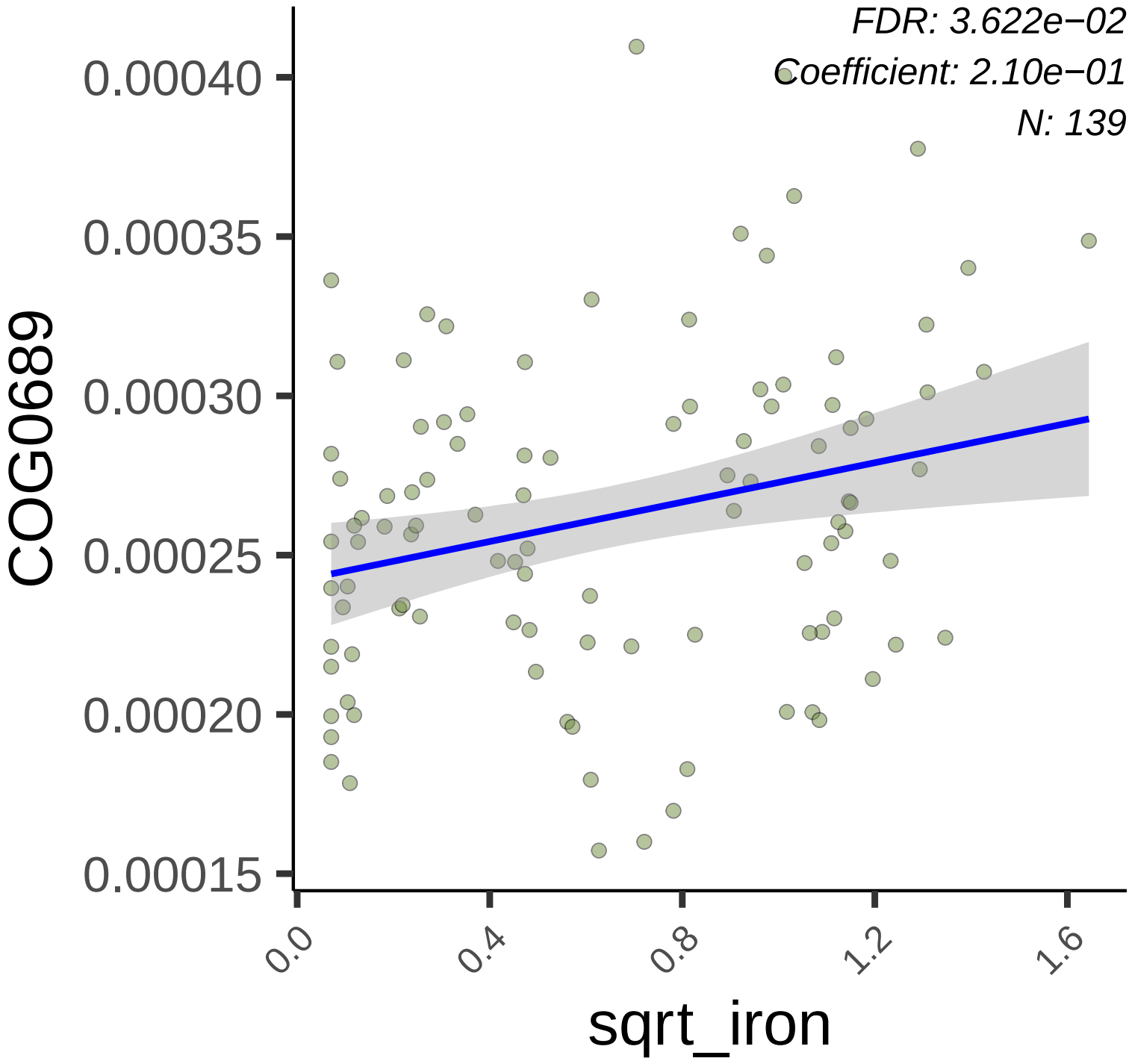
4e−04
3e−04
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.622e−02
Coefficient: 2.10e−01
N: 139
COG0689
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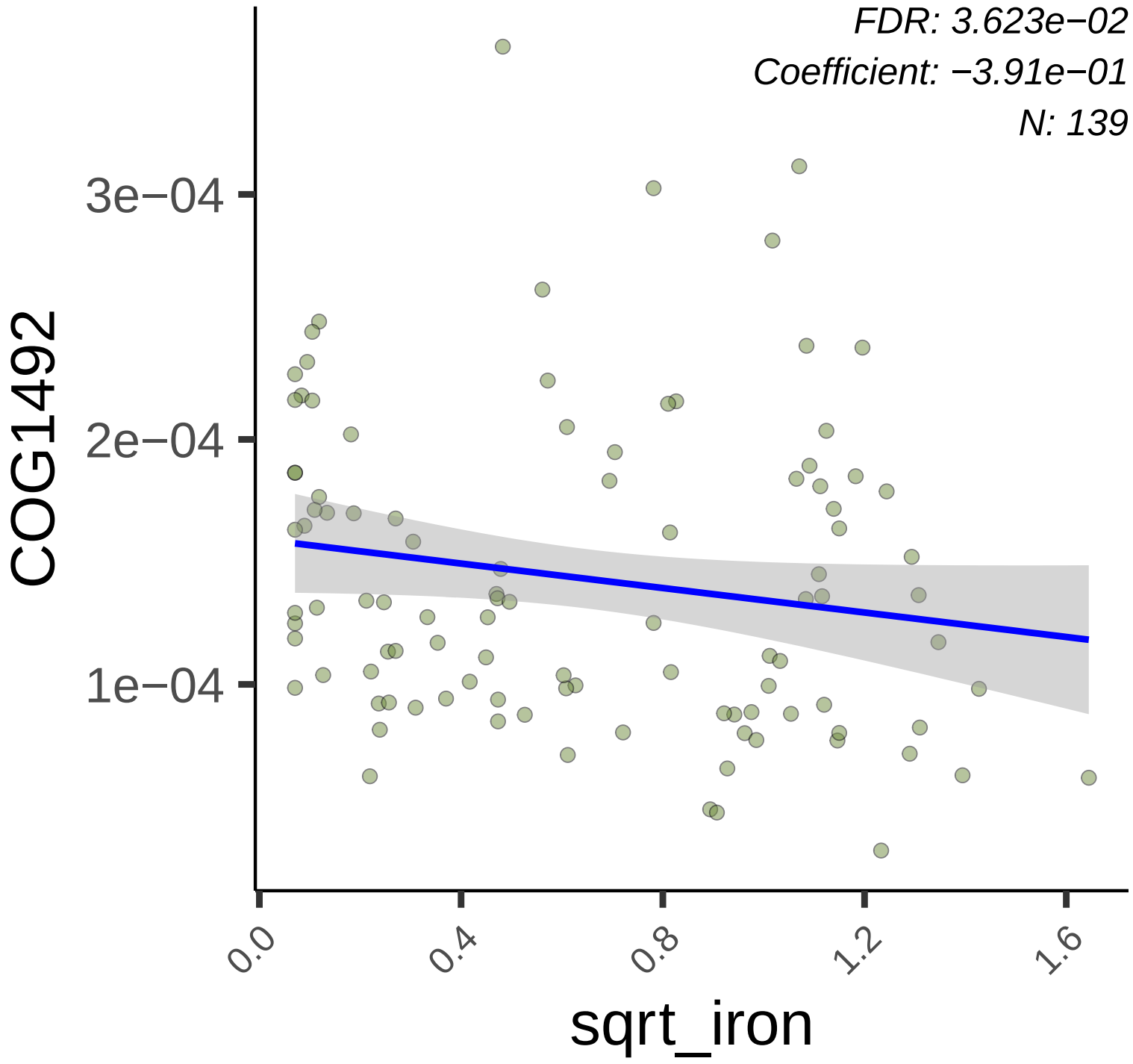
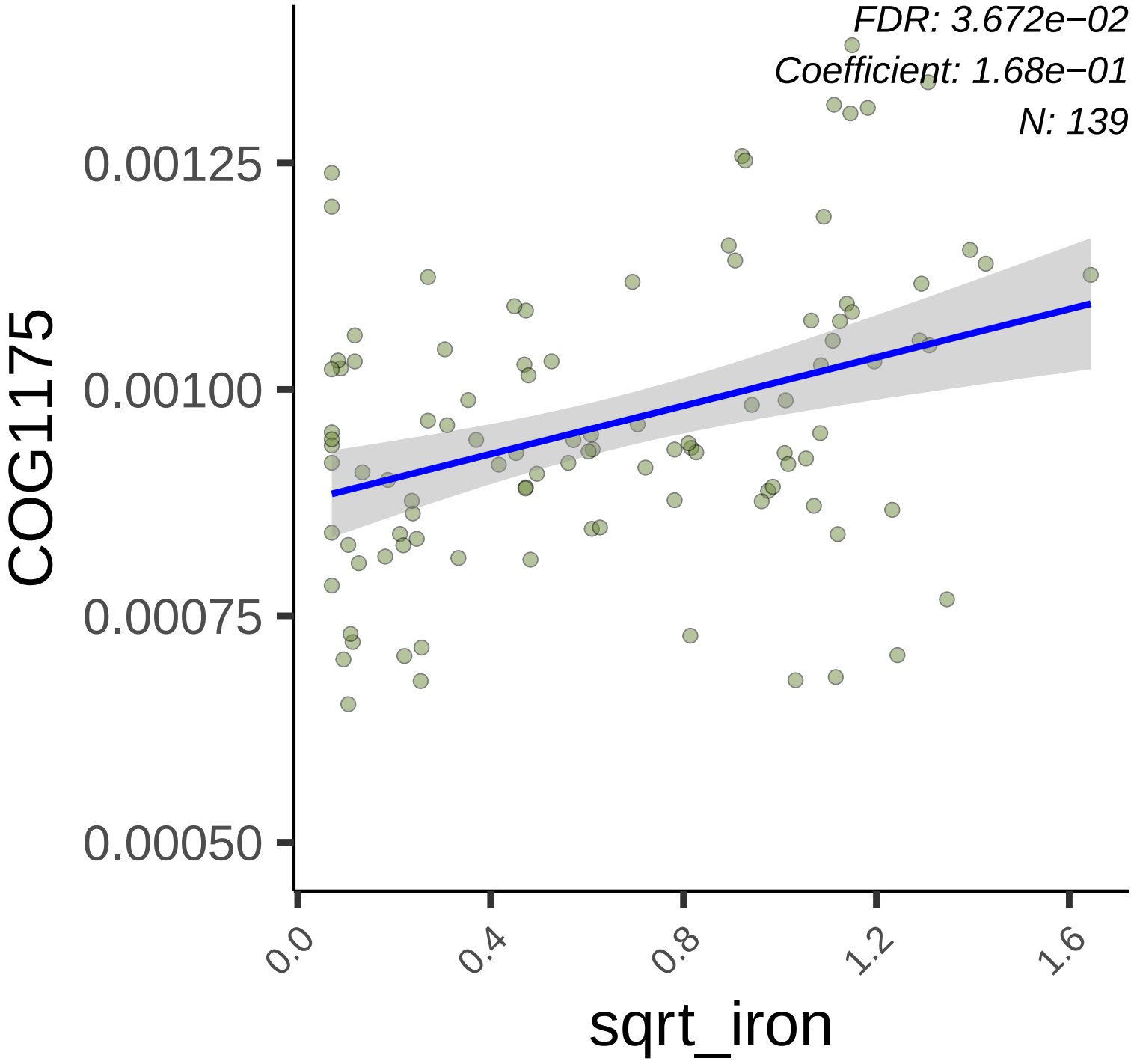
0.00025
0.00020
0.00015
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.623e−02
Coefficient: −3.91e−01
N: 139
COG1492
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.672e−02
Coefficient: 1.68e−01
N: 139
COG1175
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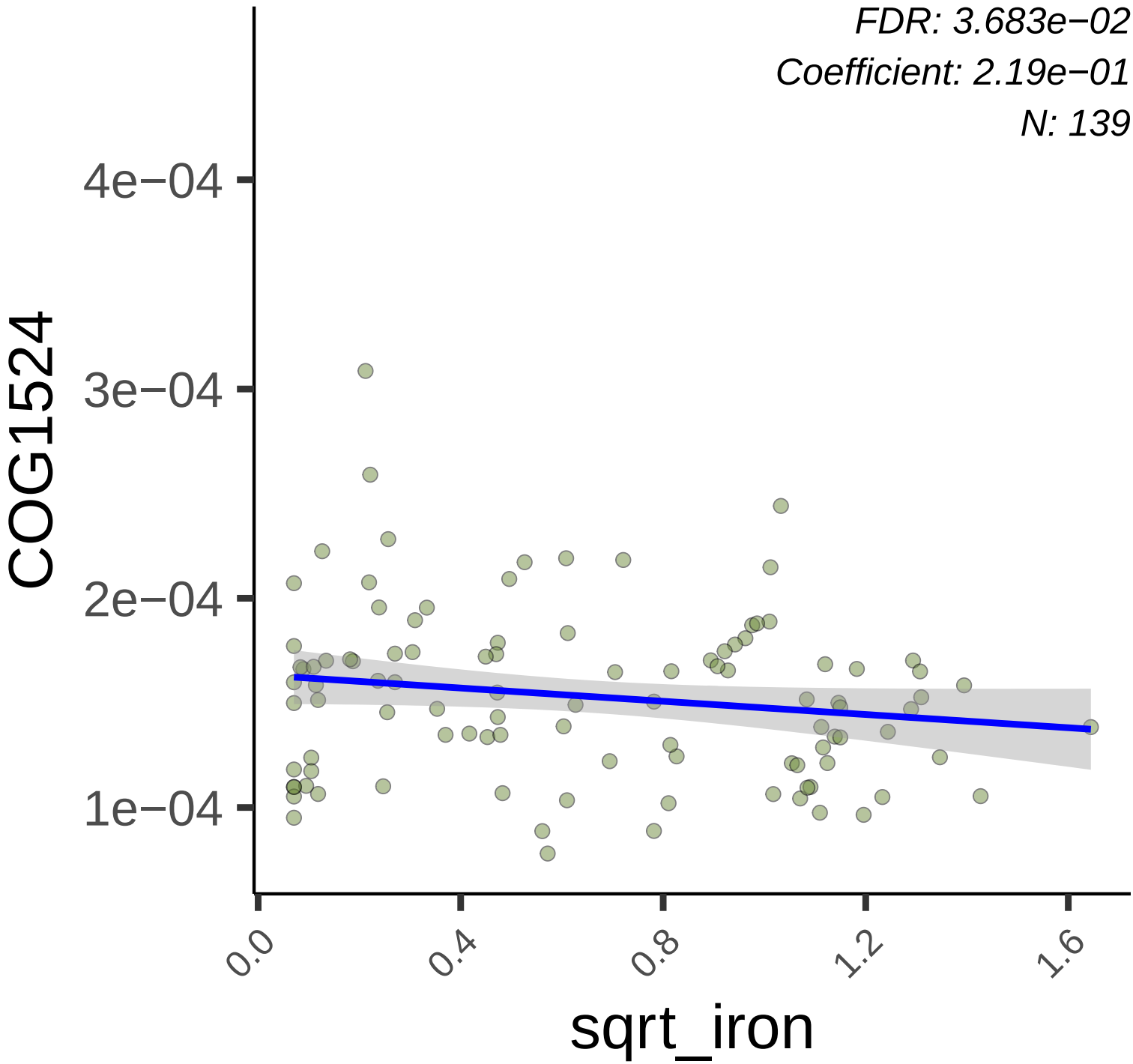
0.00100
0.00075
0.00050
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.683e−02
Coefficient: 2.19e−01
N: 139
COG1524
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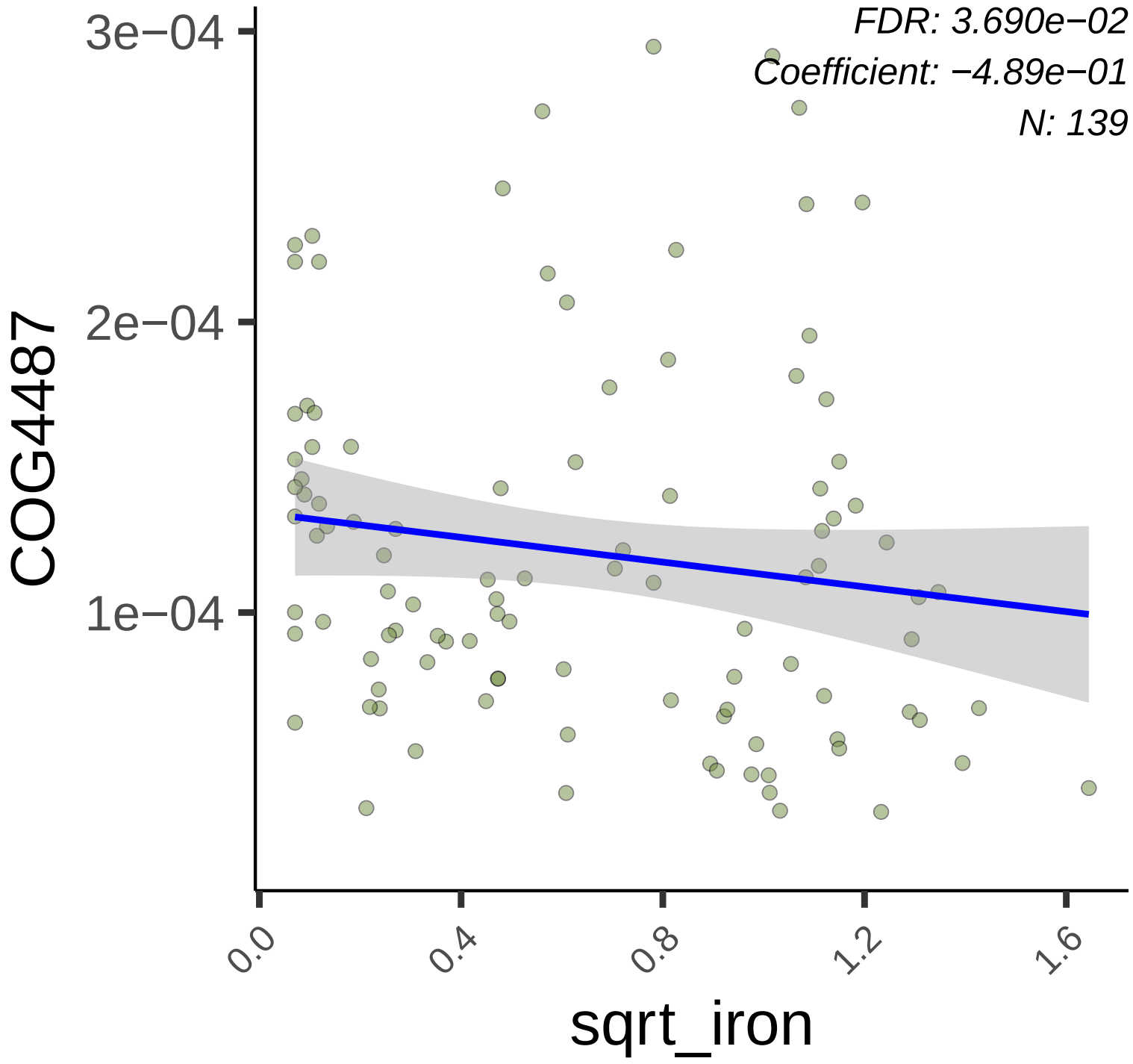
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.690e−02
Coefficient: −4.89e−01
N: 139
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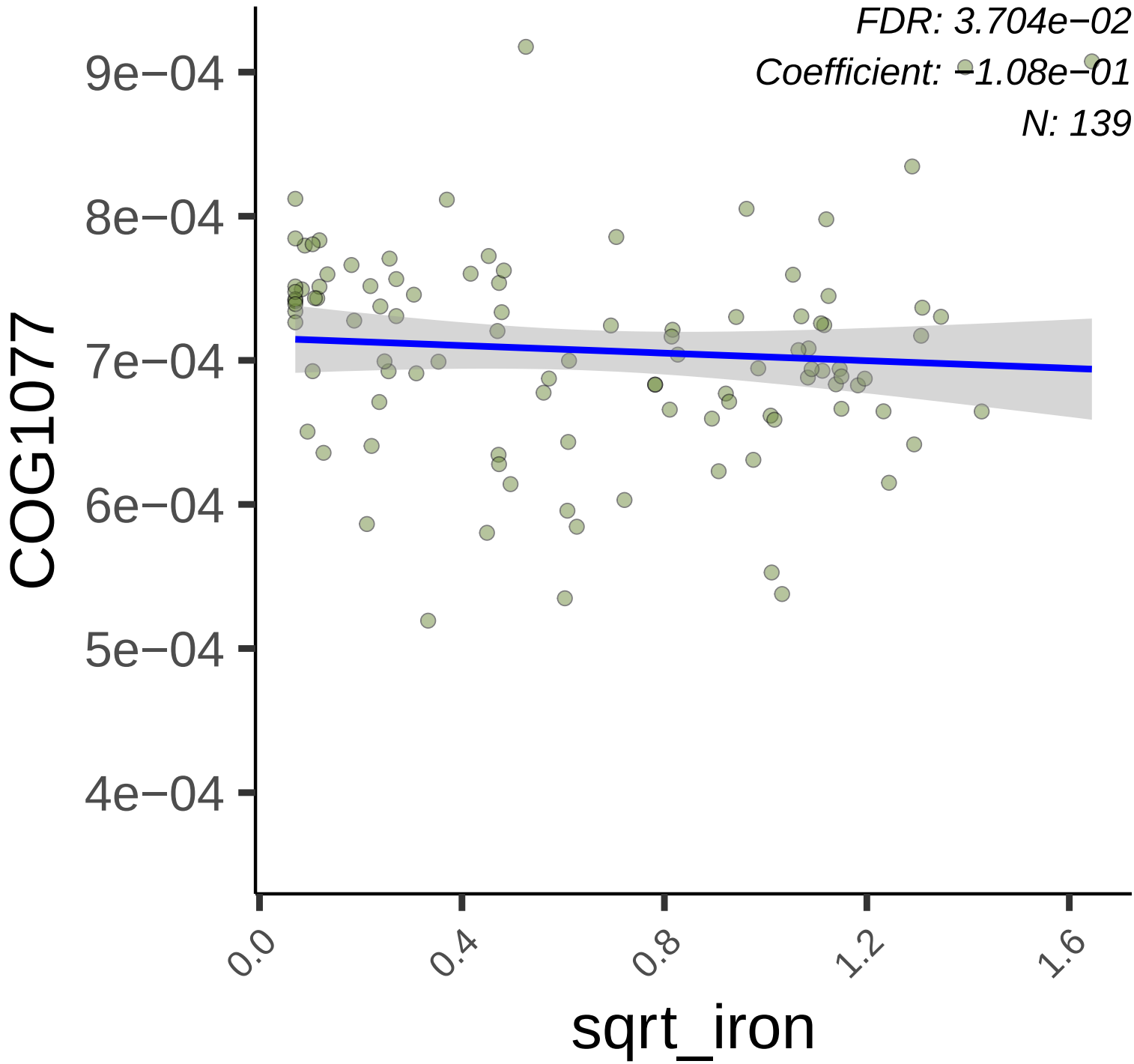
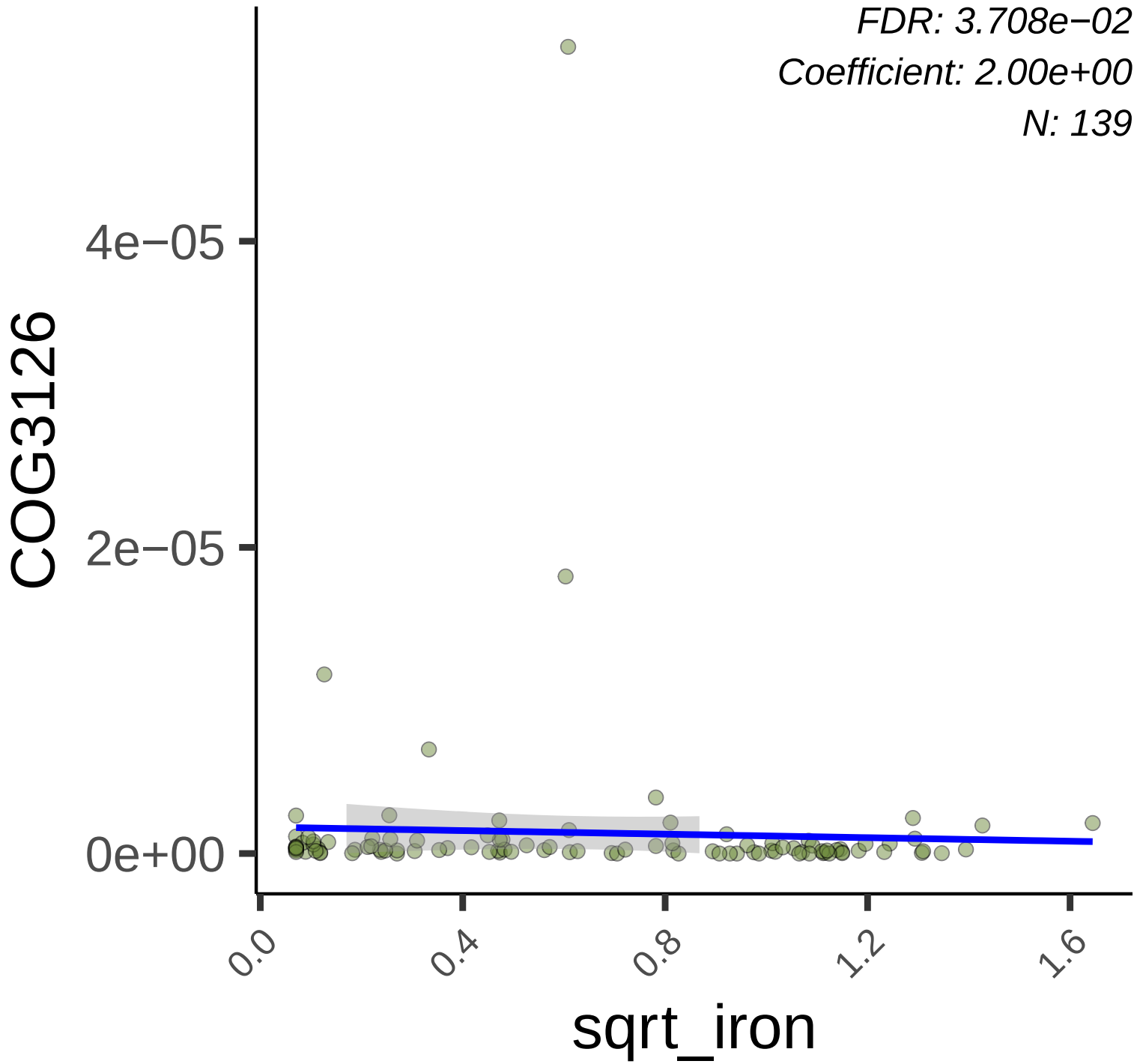
2e−04
1e−04
COG4487
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.704e−02
Coefficient: −1.08e−01
N: 139
9e−04
8e−04
7e−04
6e−04
5e−04
4e−04
COG1077
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.708e−02
Coefficient: 2.00e+00
N: 139
COG3126
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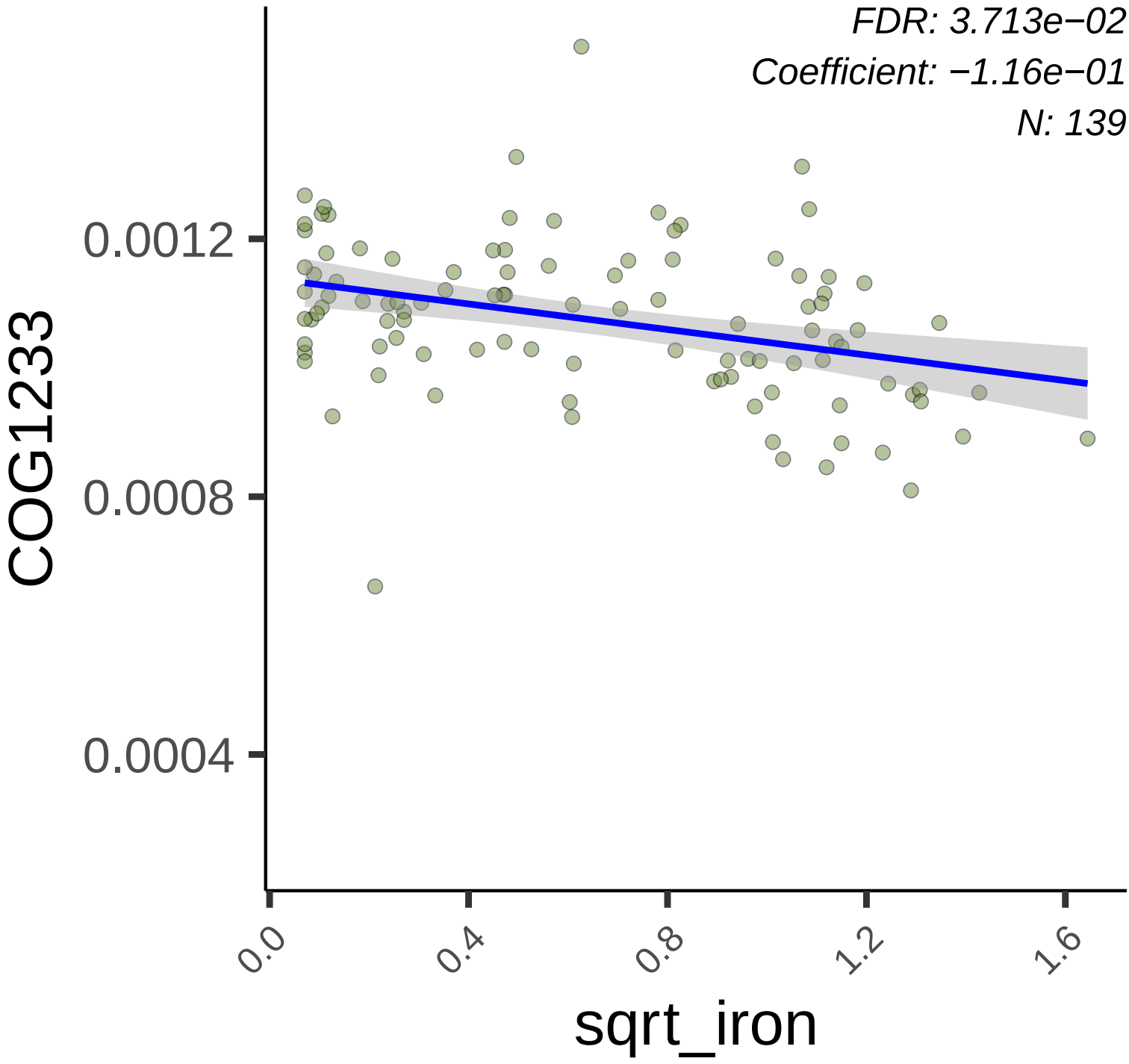
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.713e−02
Coefficient: −1.16e−01
N: 139
COG1233
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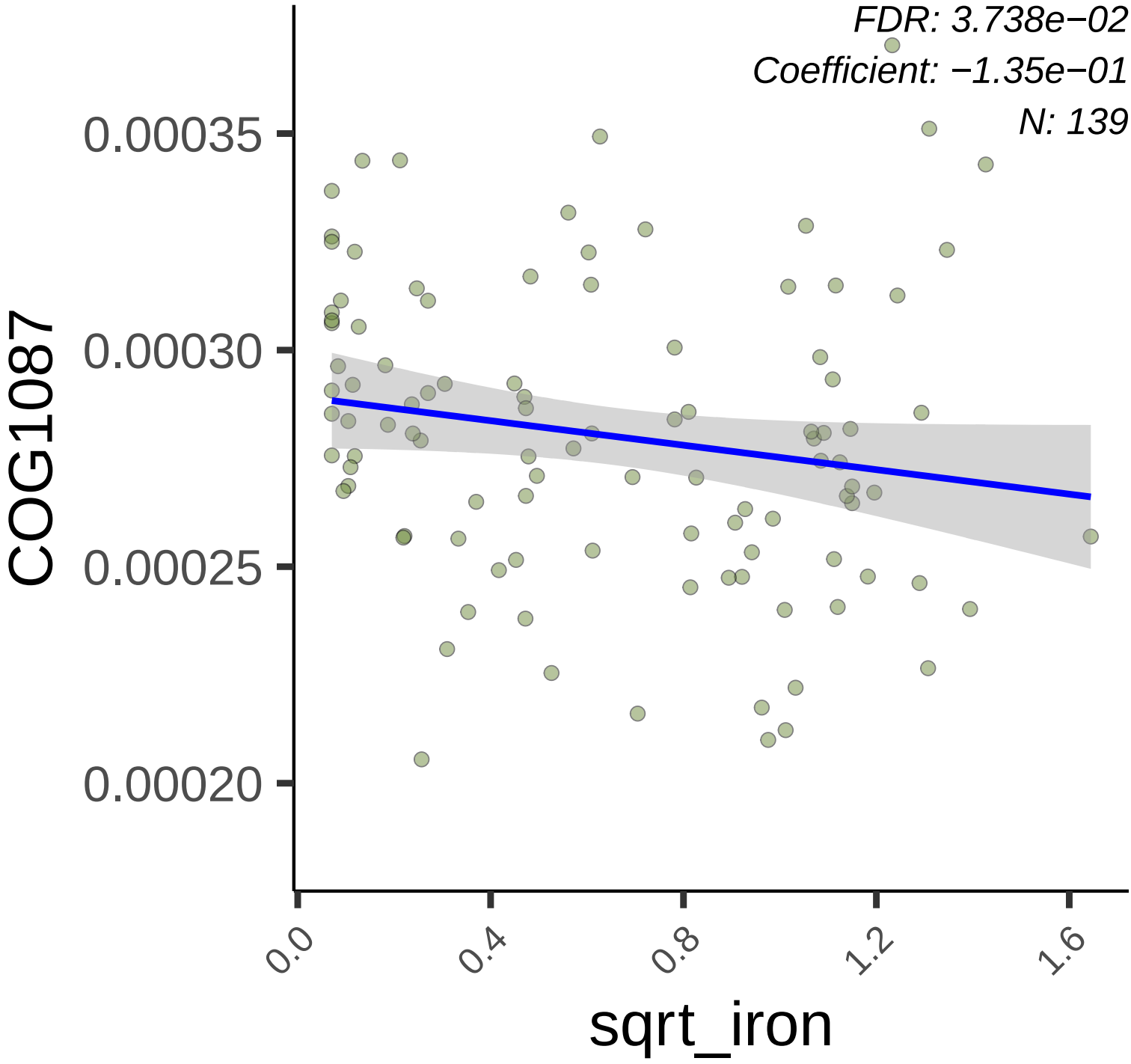
0.0008
0.0004
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.738e−02
Coefficient: −1.35e−01
N: 139
COG1087
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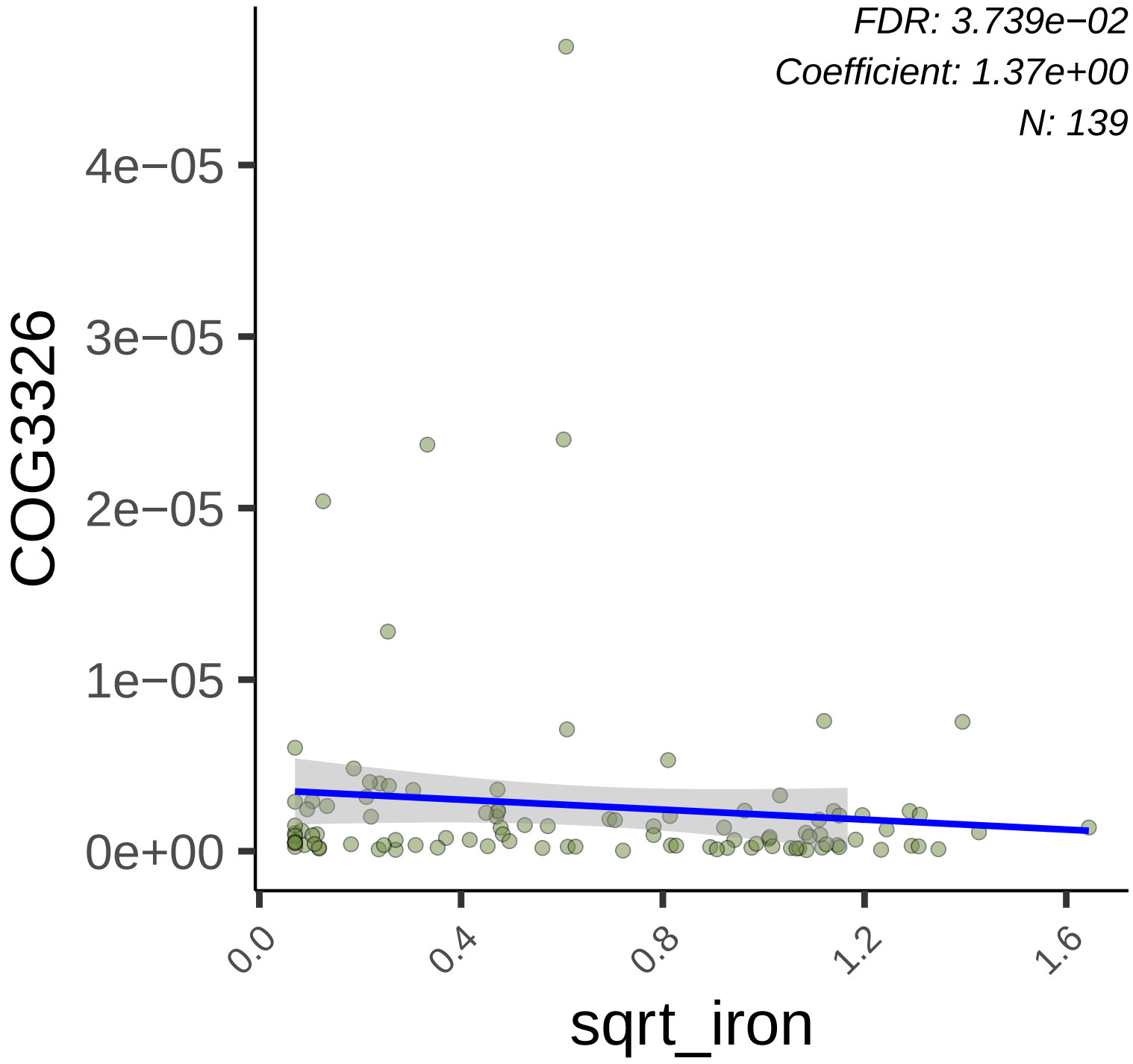
0.00030
0.00025
0.00020
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.739e−02
Coefficient: 1.37e+00
N: 139
COG3326
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3e−05
2e−05
1e−05
0e+00
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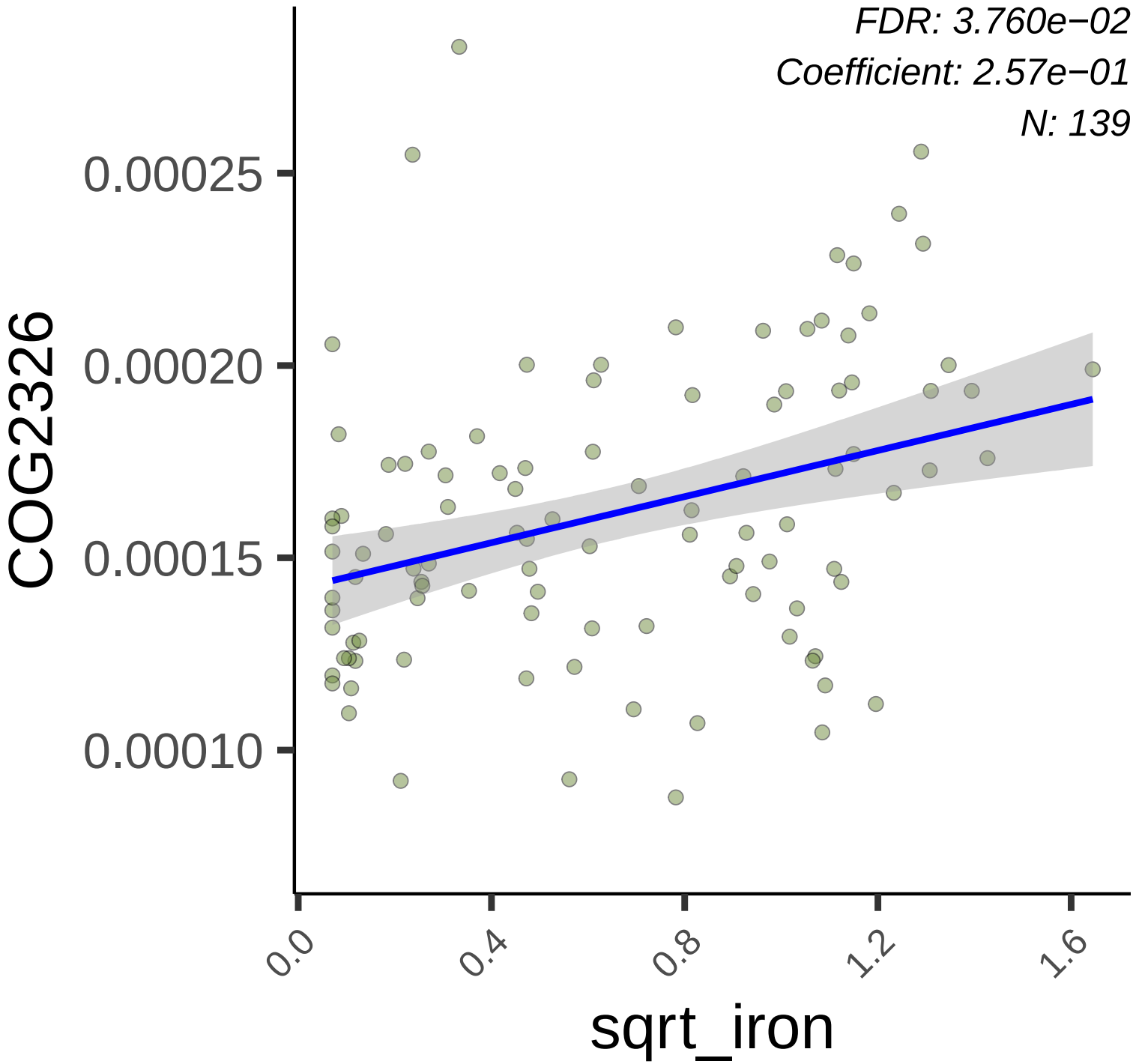
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.760e−02
Coefficient: 2.57e−01
N: 139
COG2326
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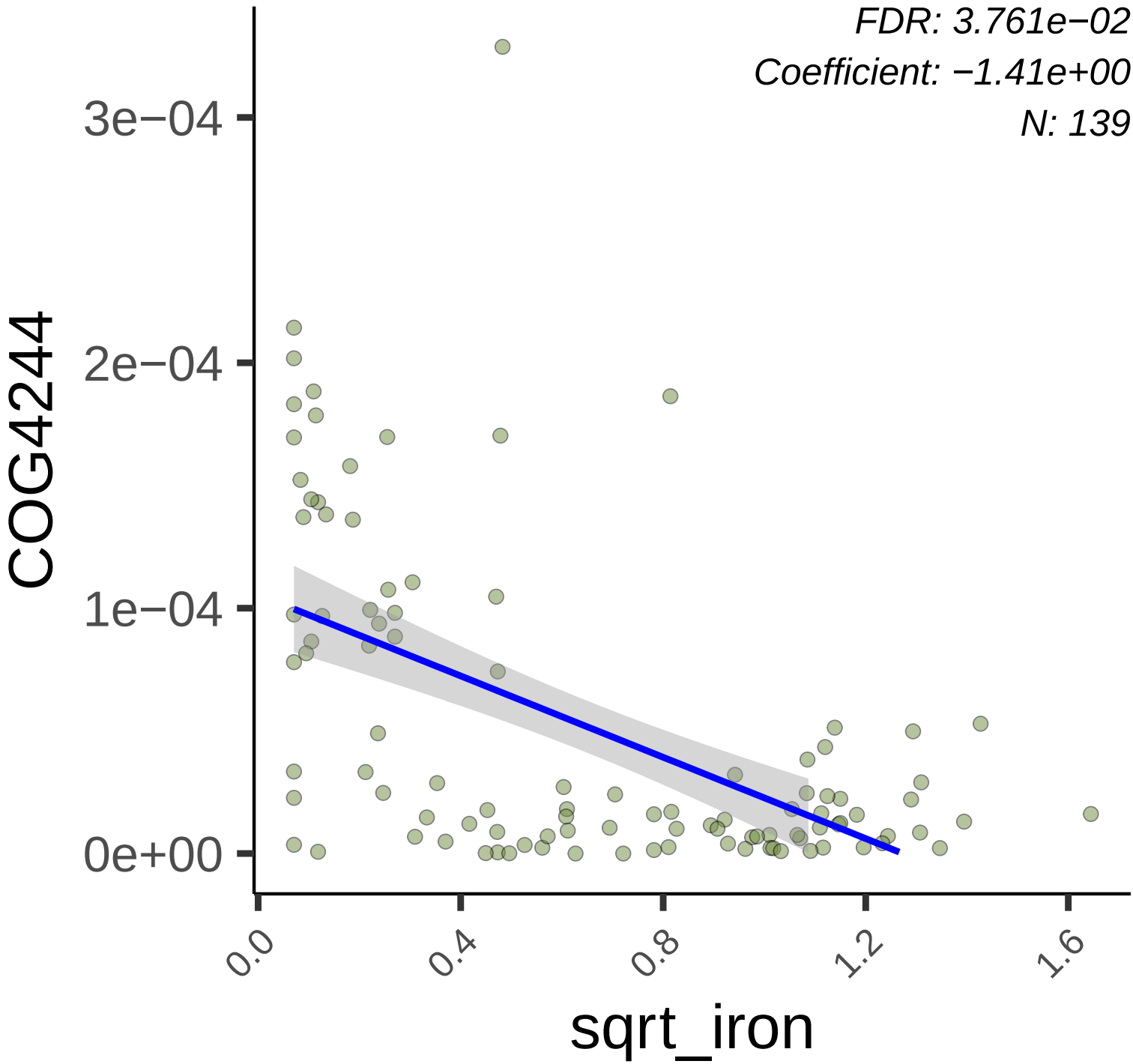
0.00020
0.00015
0.00010
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.761e−02
Coefficient: −1.41e+00
N: 139
COG4244
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2e−04
1e−04
0e+00
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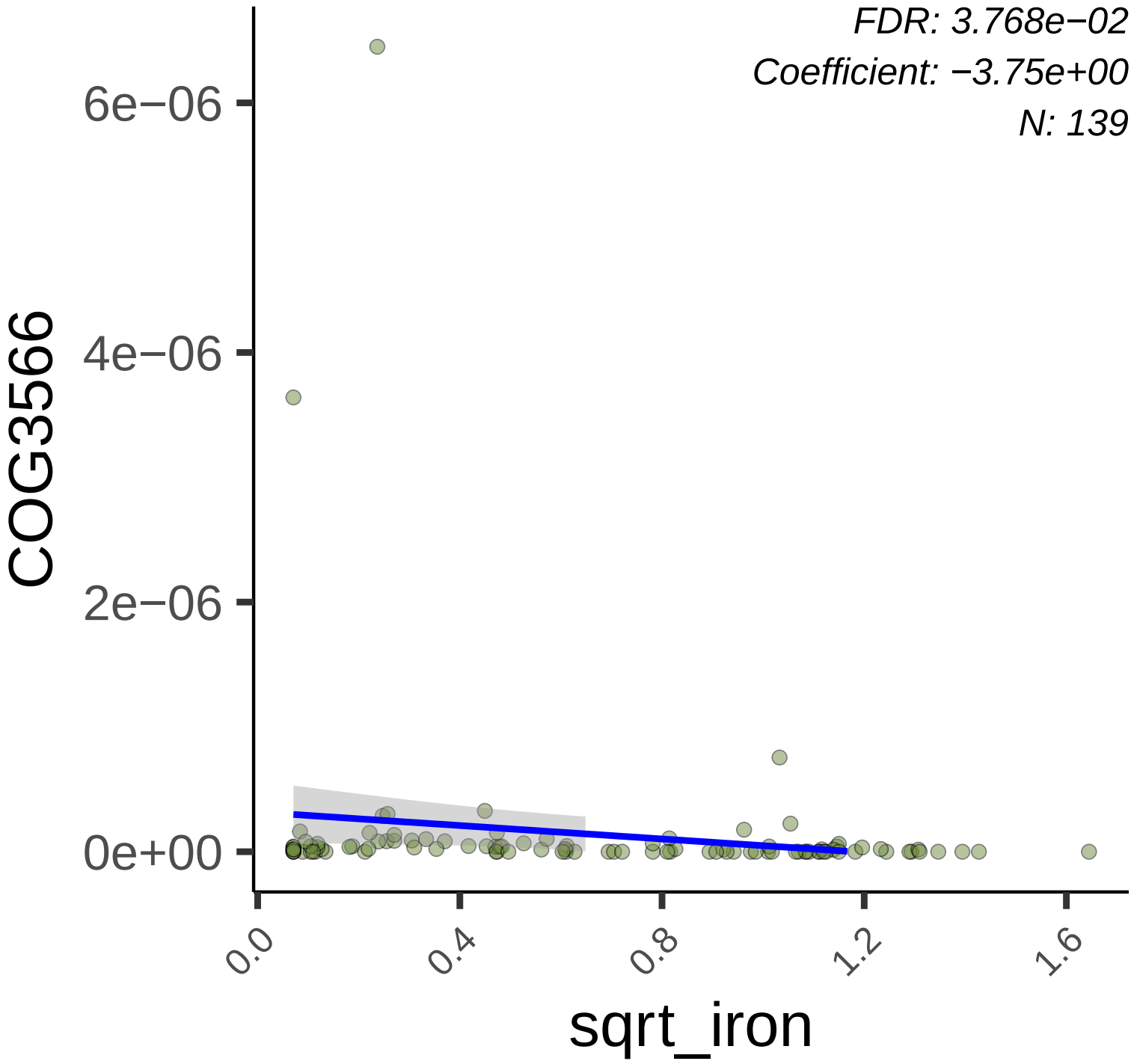
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.768e−02
Coefficient: −3.75e+00
N: 139
COG3566
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4e−06
2e−06
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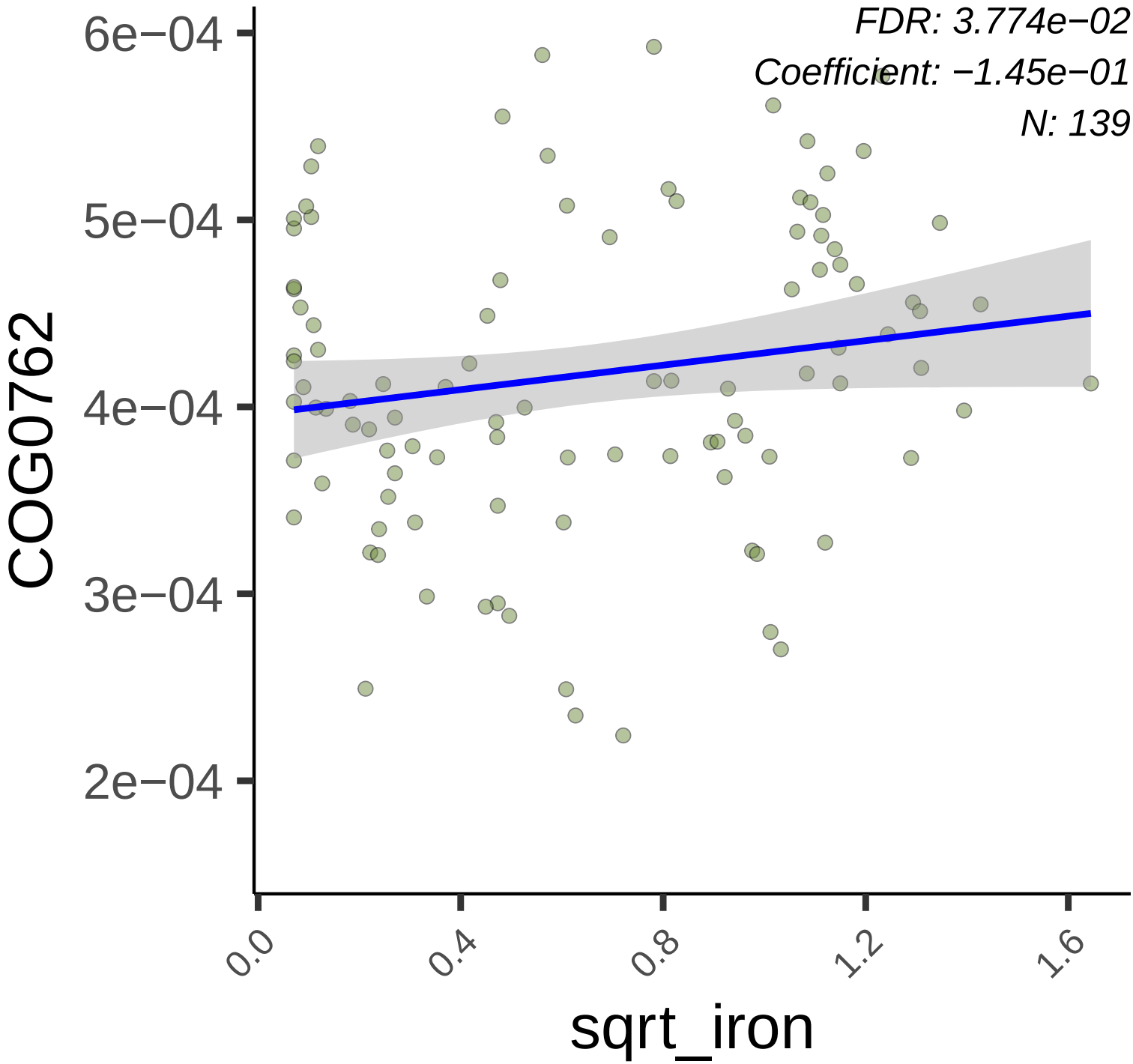
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.774e−02
Coefficient: −1.45e−01
N: 139
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5e−04
4e−04
3e−04
2e−04
COG0762
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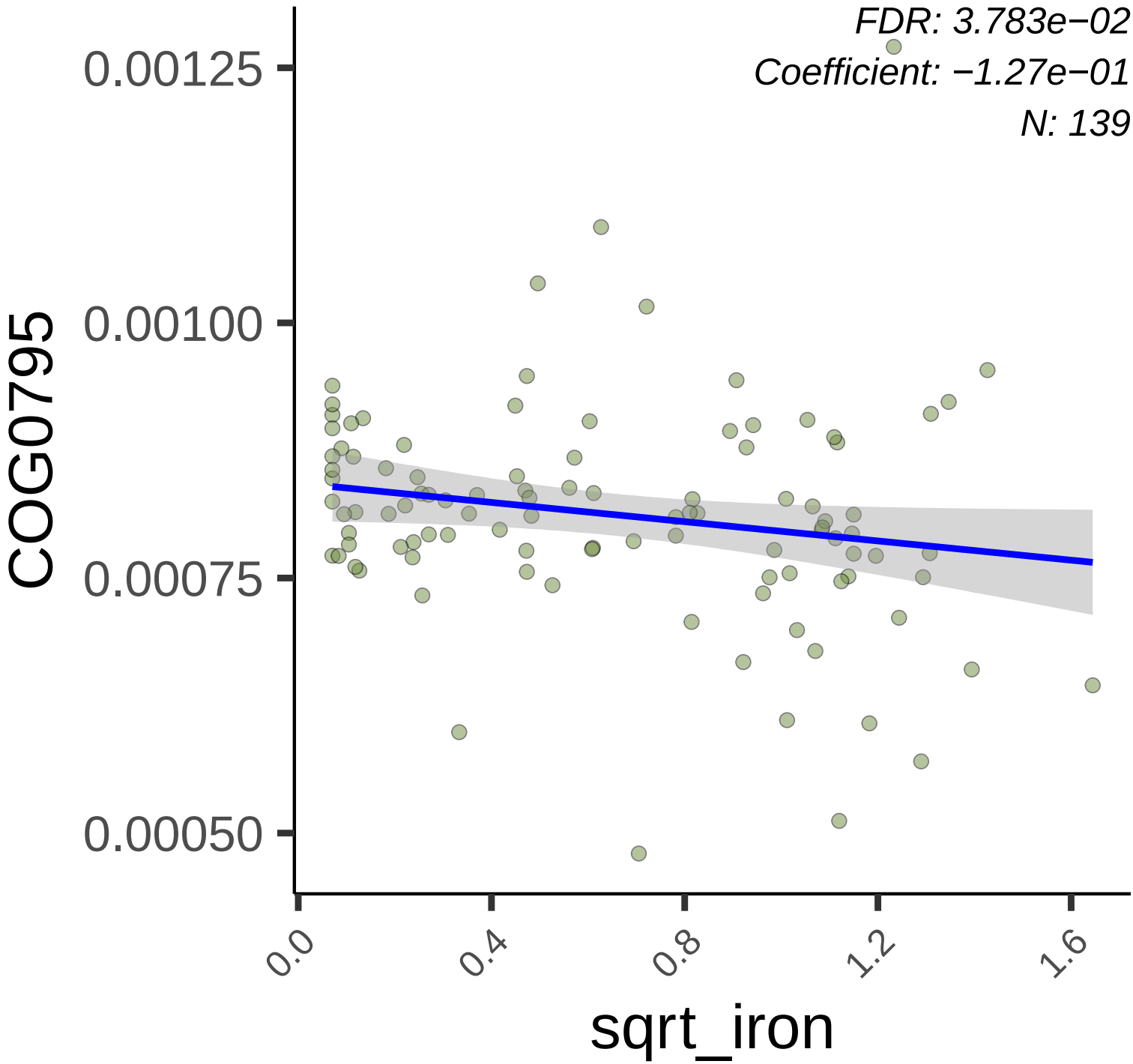
0.8
1.2
1.6
sqrt_iron


FDR: 3.783e−02
Coefficient: −1.27e−01
N: 139
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COG0795
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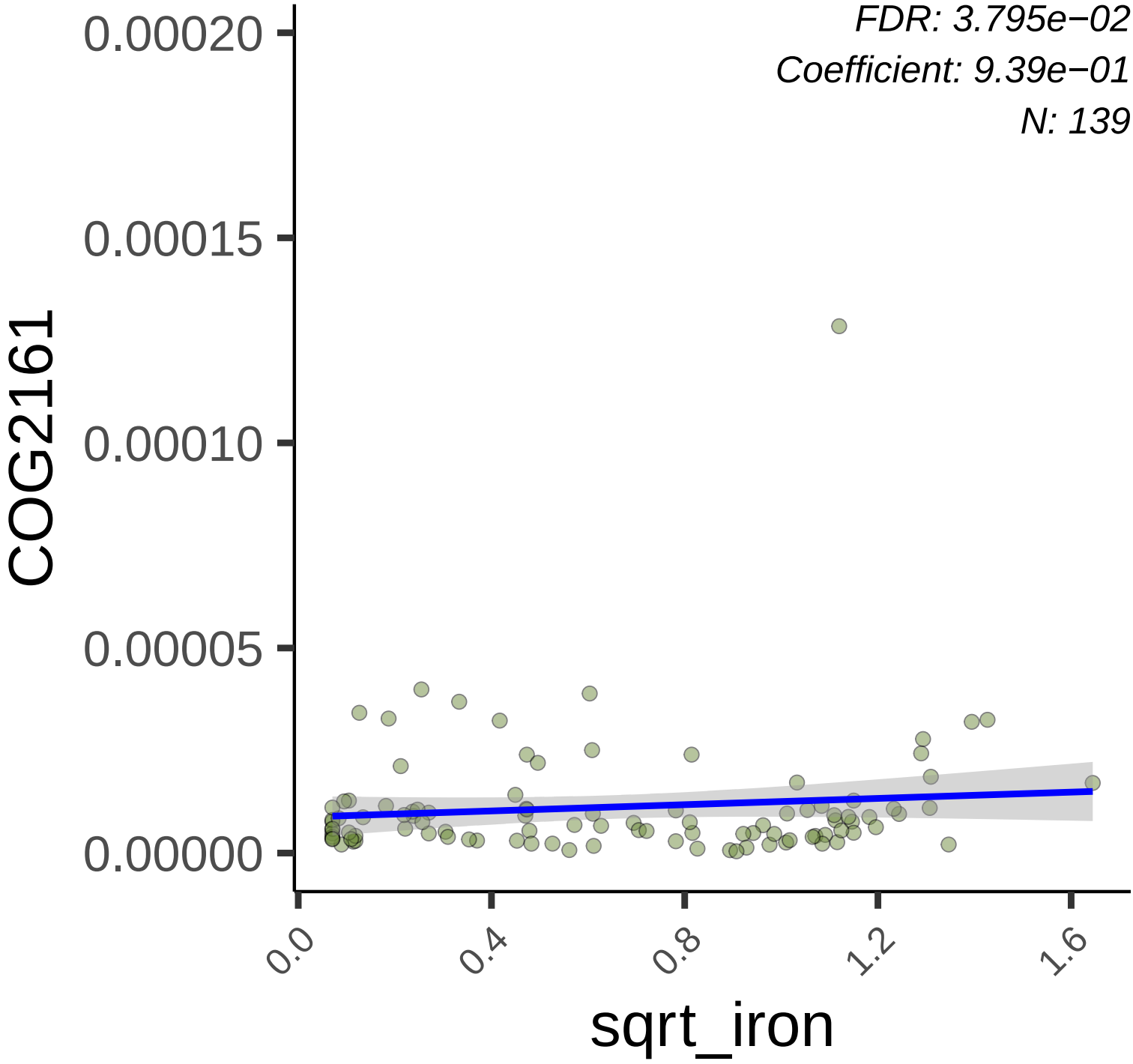
1.2
1.6
sqrt_iron


FDR: 3.795e−02
Coefficient: 9.39e−01
N: 139
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COG2161
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0.4
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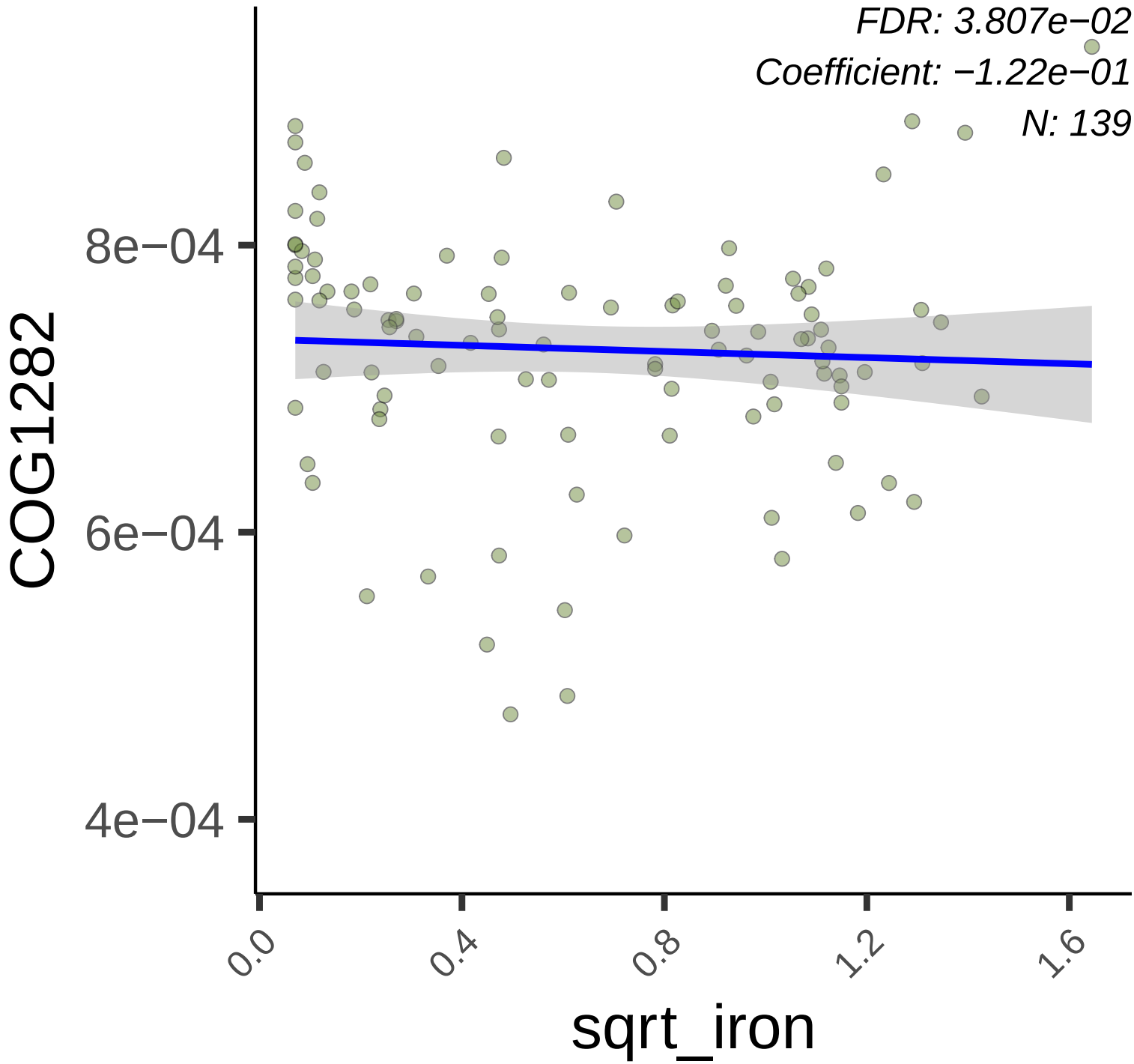
1.2
1.6
sqrt_iron


FDR: 3.807e−02
Coefficient: −1.22e−01
N: 139
COG1282
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6e−04
4e−04
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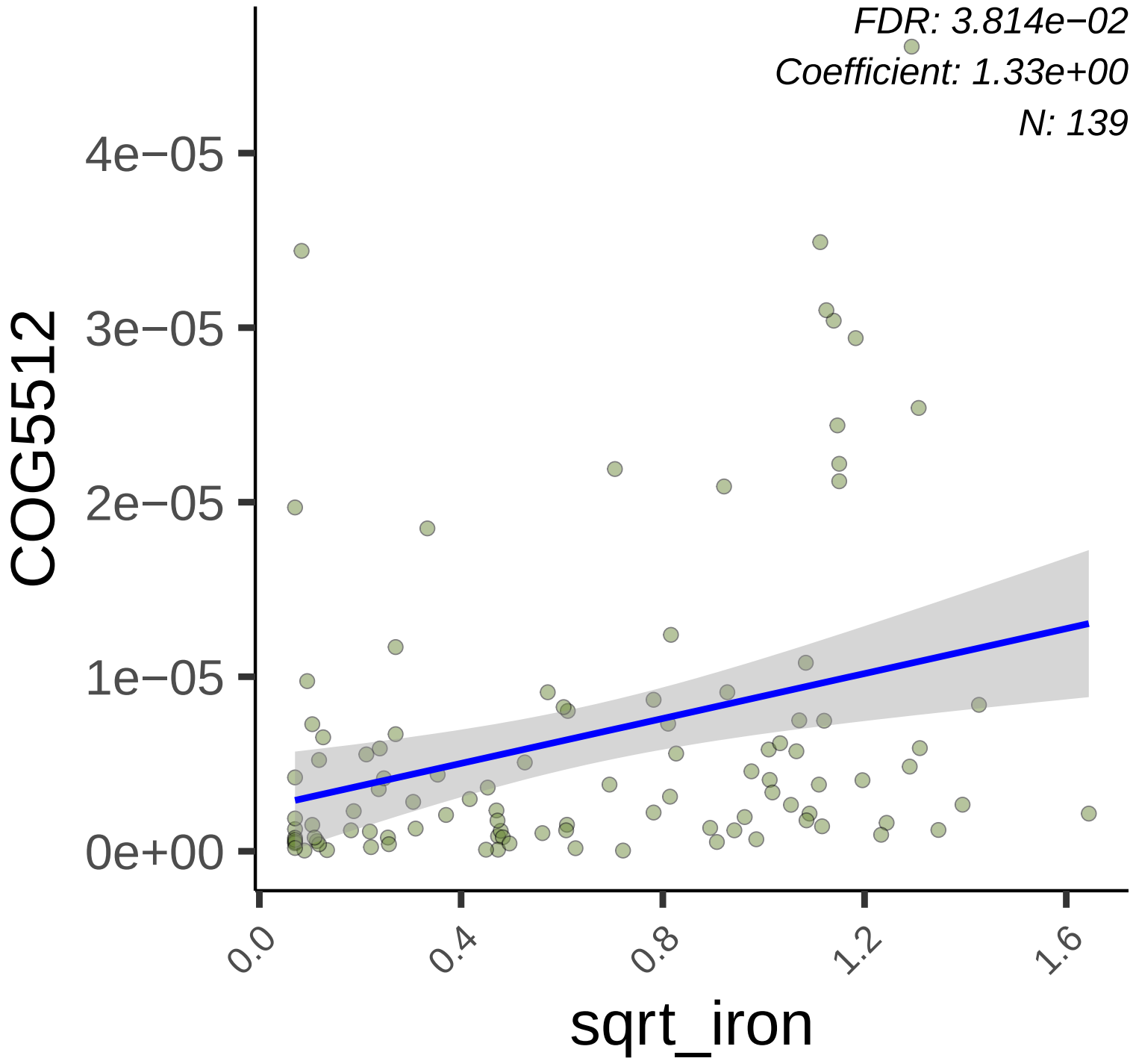
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.814e−02
Coefficient: 1.33e+00
N: 139
COG5512
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3e−05
2e−05
1e−05
0e+00
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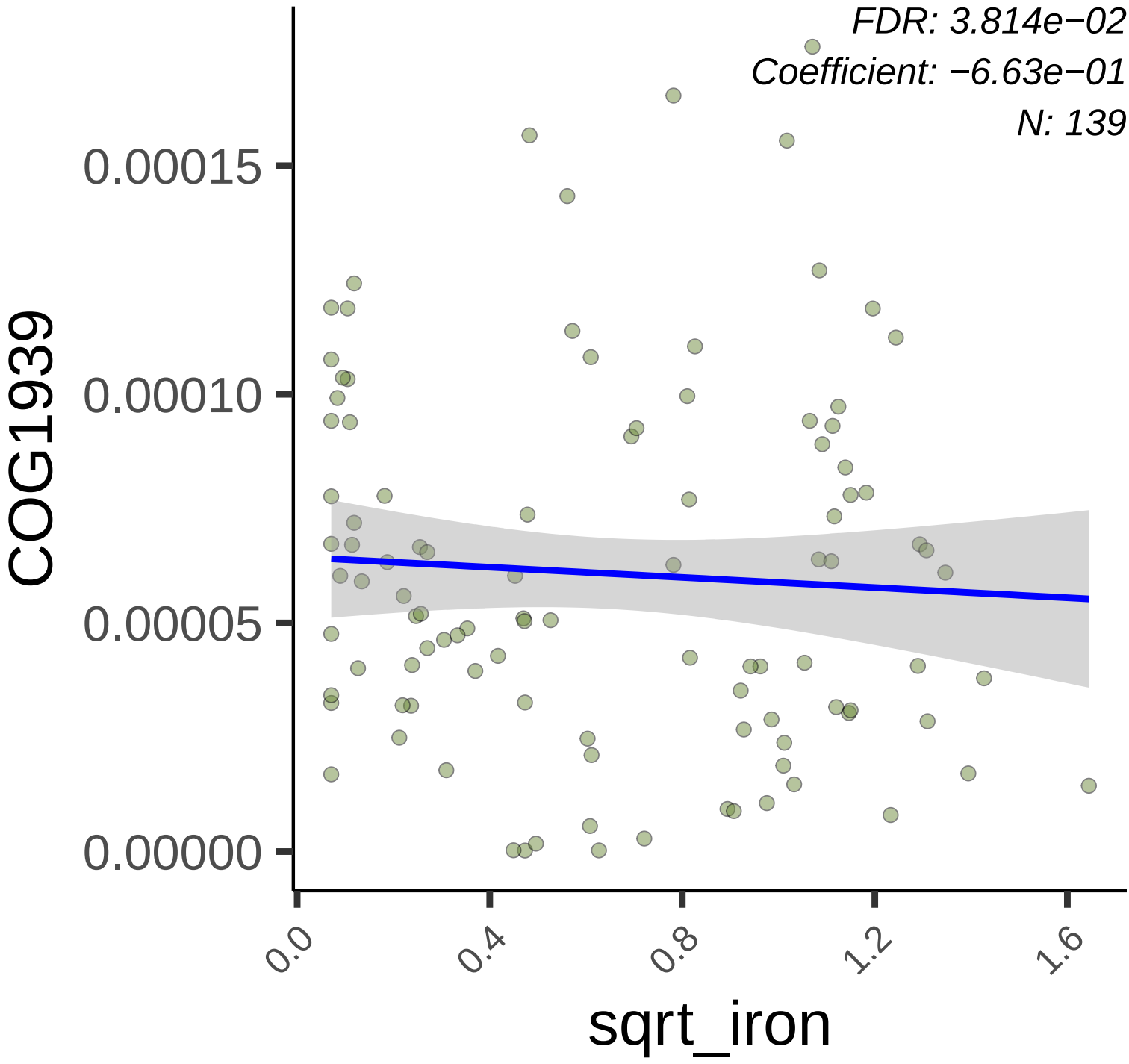
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.814e−02
Coefficient: −6.63e−01
N: 139
COG1939
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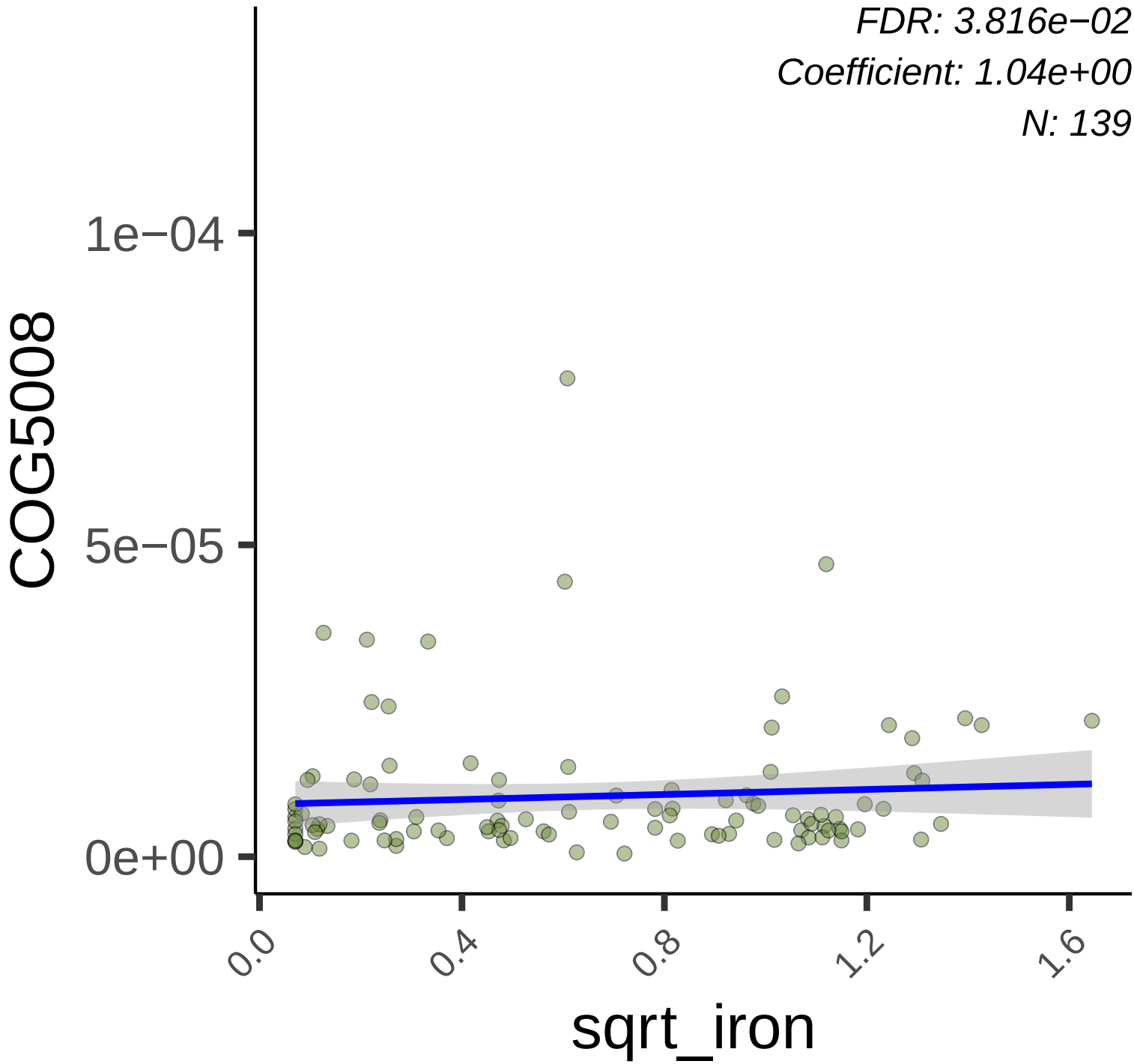
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.816e−02
Coefficient: 1.04e+00
N: 139
COG5008
1e−04
5e−05
0e+00
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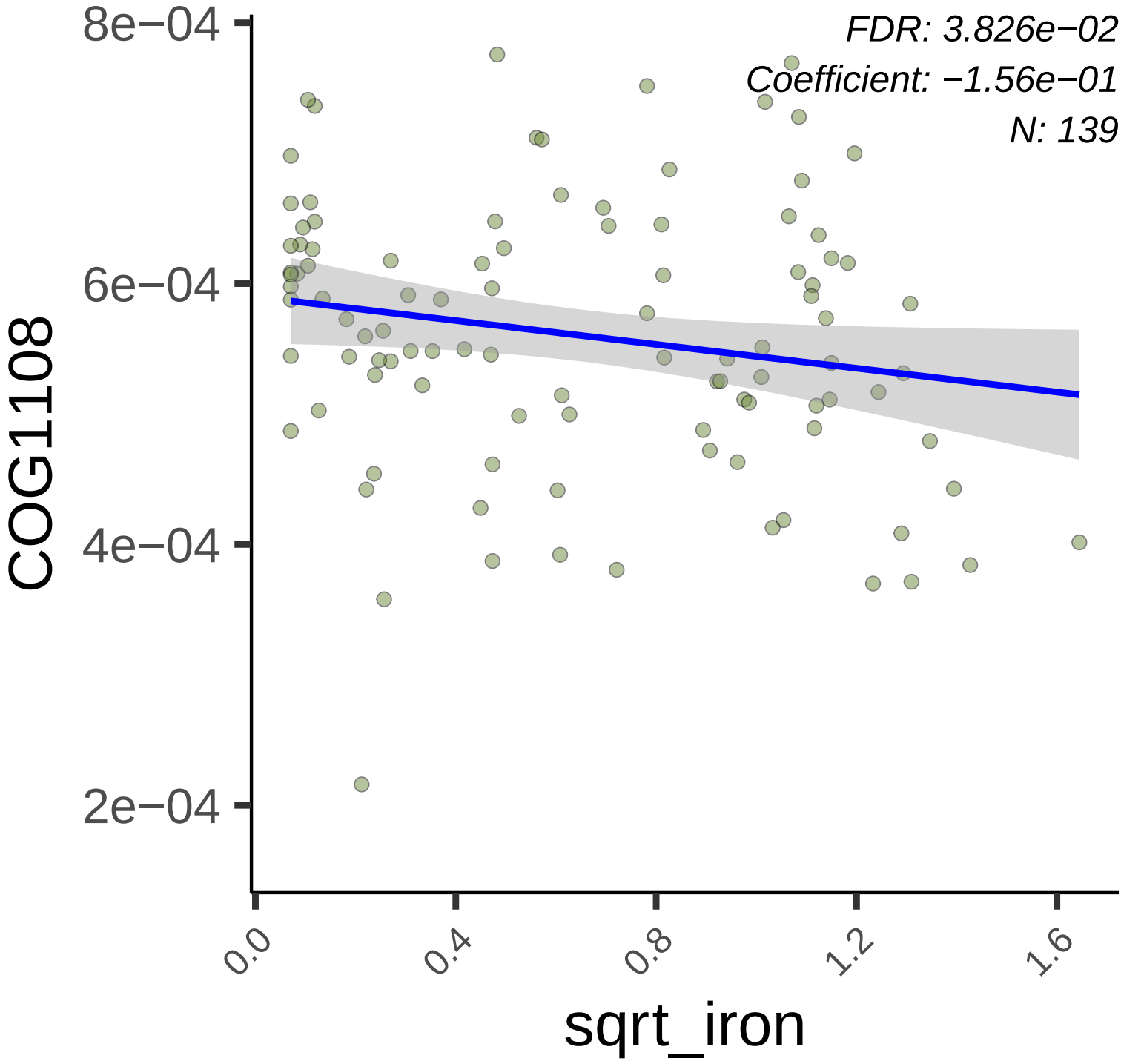
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.826e−02
Coefficient: −1.56e−01
N: 139
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4e−04
2e−04
COG1108
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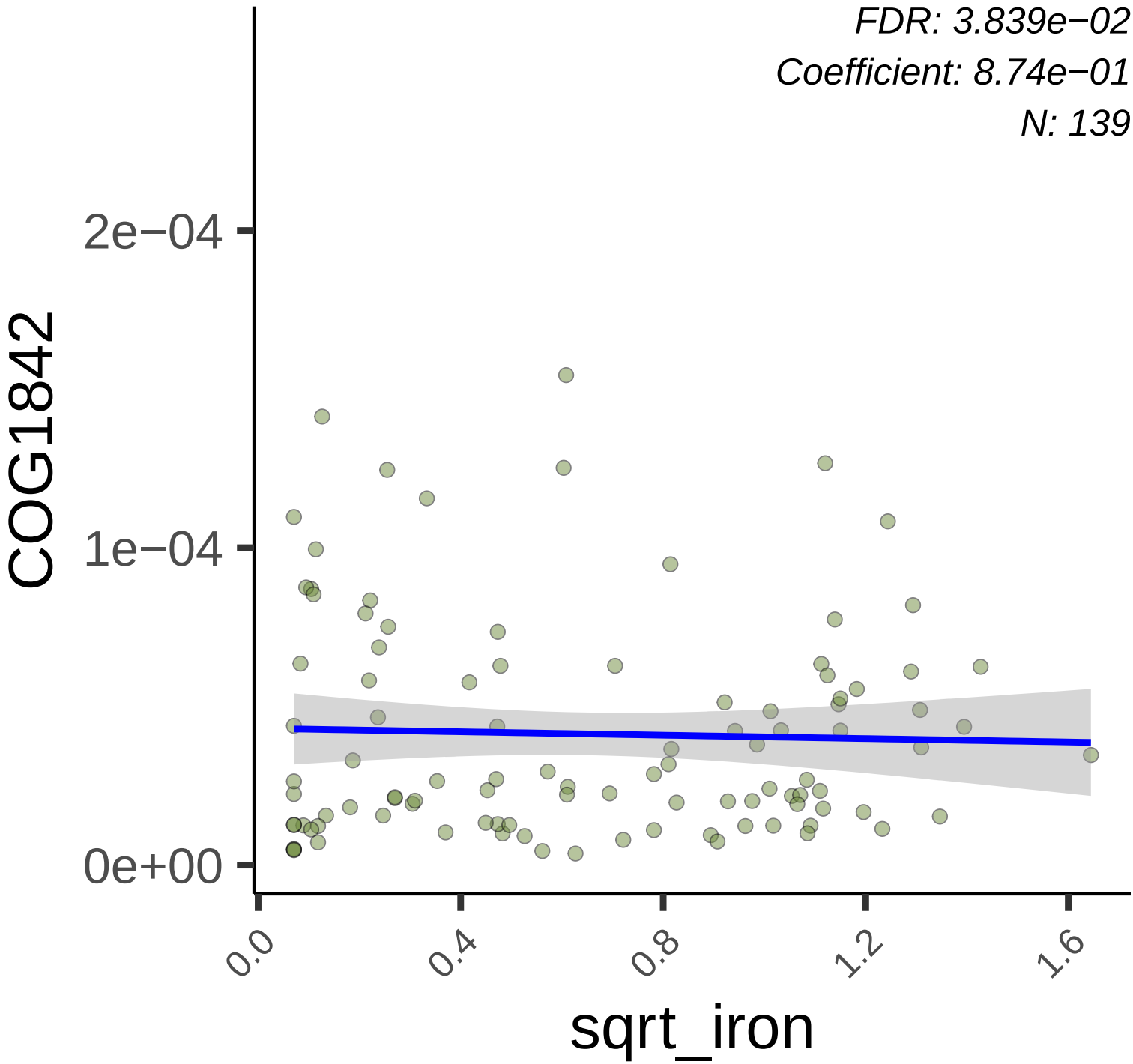
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.839e−02
Coefficient: 8.74e−01
N: 139
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1e−04
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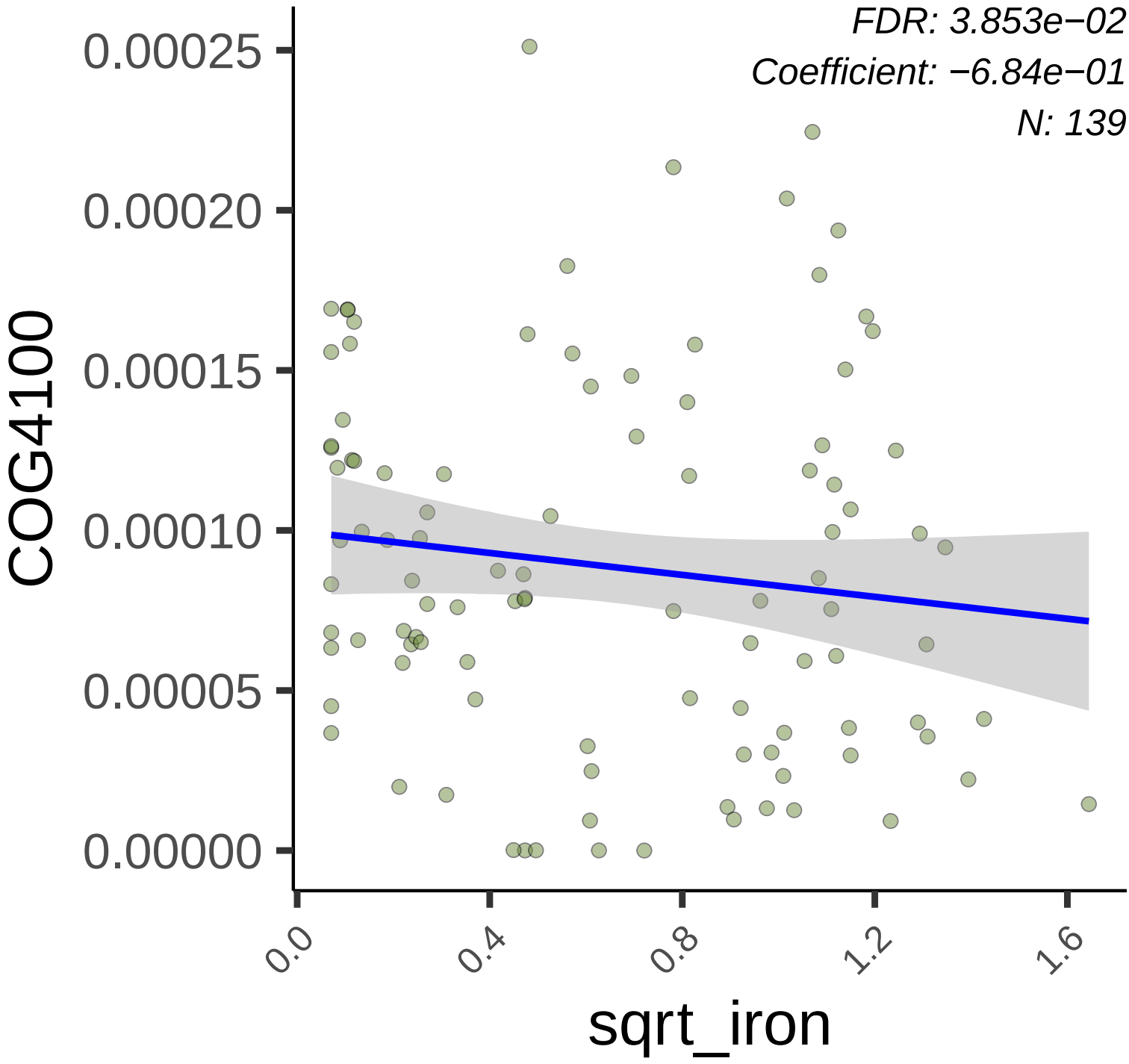
0.8
1.2
1.6
sqrt_iron


FDR: 3.853e−02
Coefficient: −6.84e−01
N: 139
COG4100
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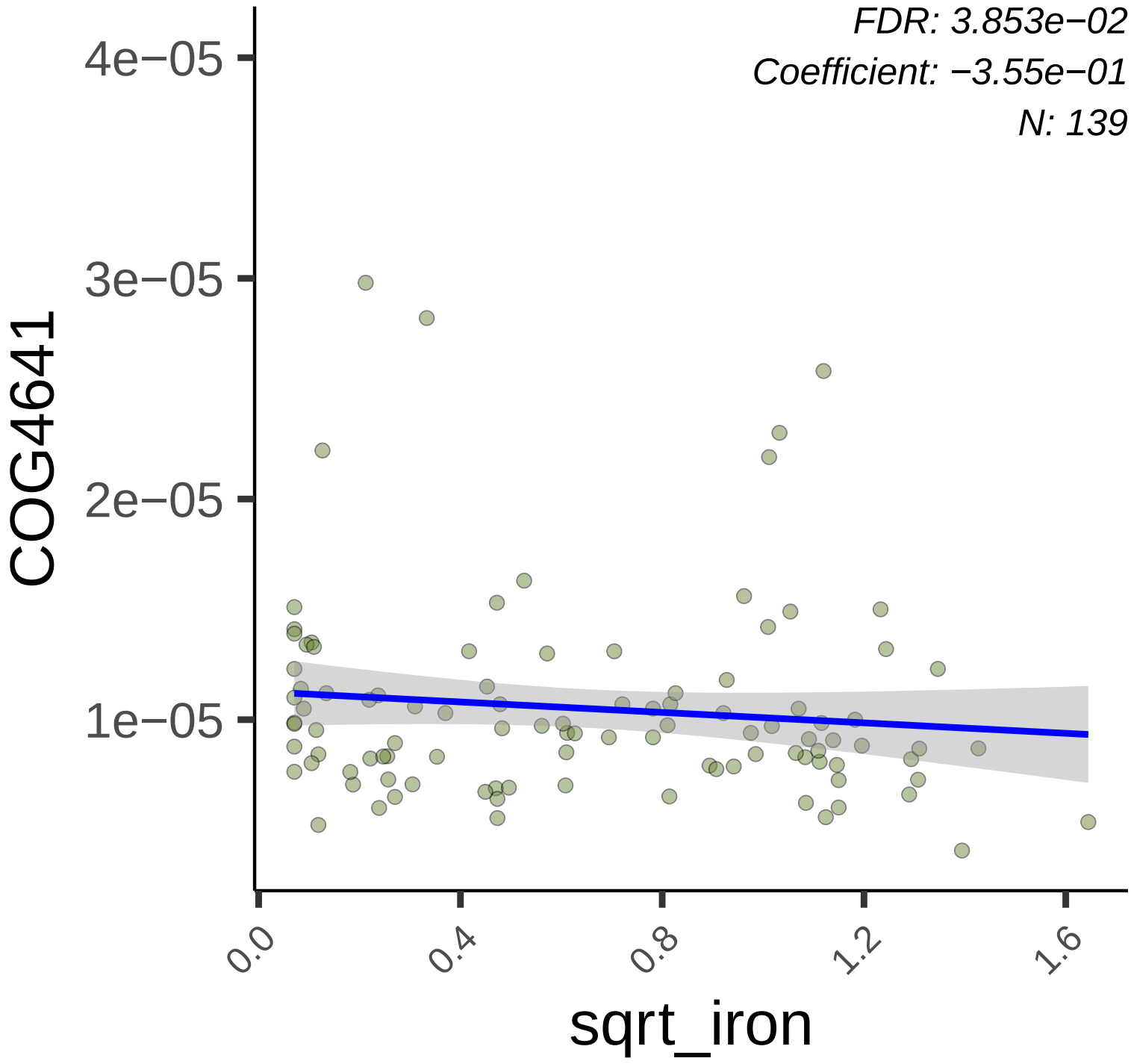
0.00015
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.853e−02
Coefficient: −3.55e−01
N: 139
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COG4641
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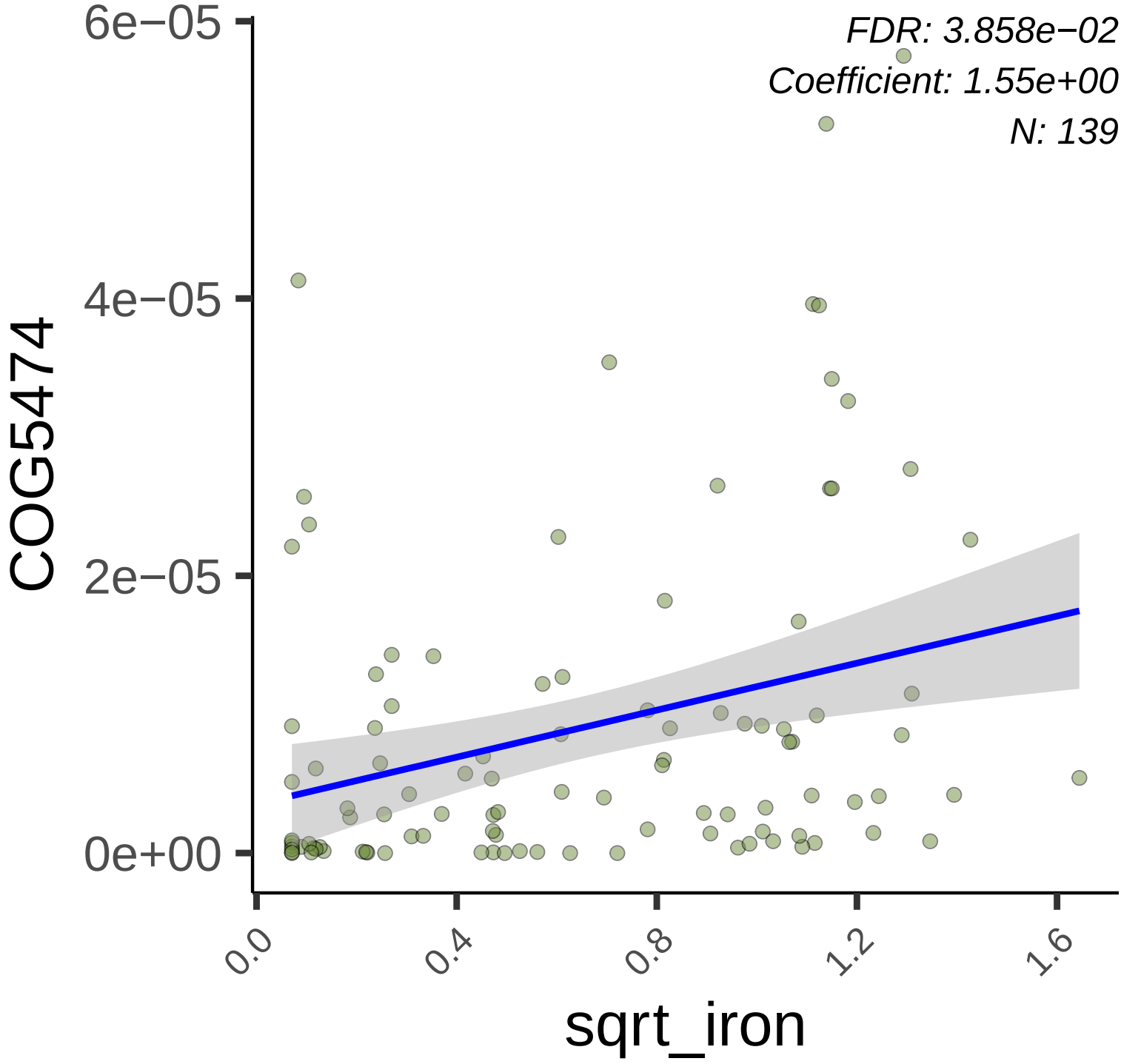
sqrt_iron


FDR: 3.858e−02
Coefficient: 1.55e+00
N: 139
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COG5474
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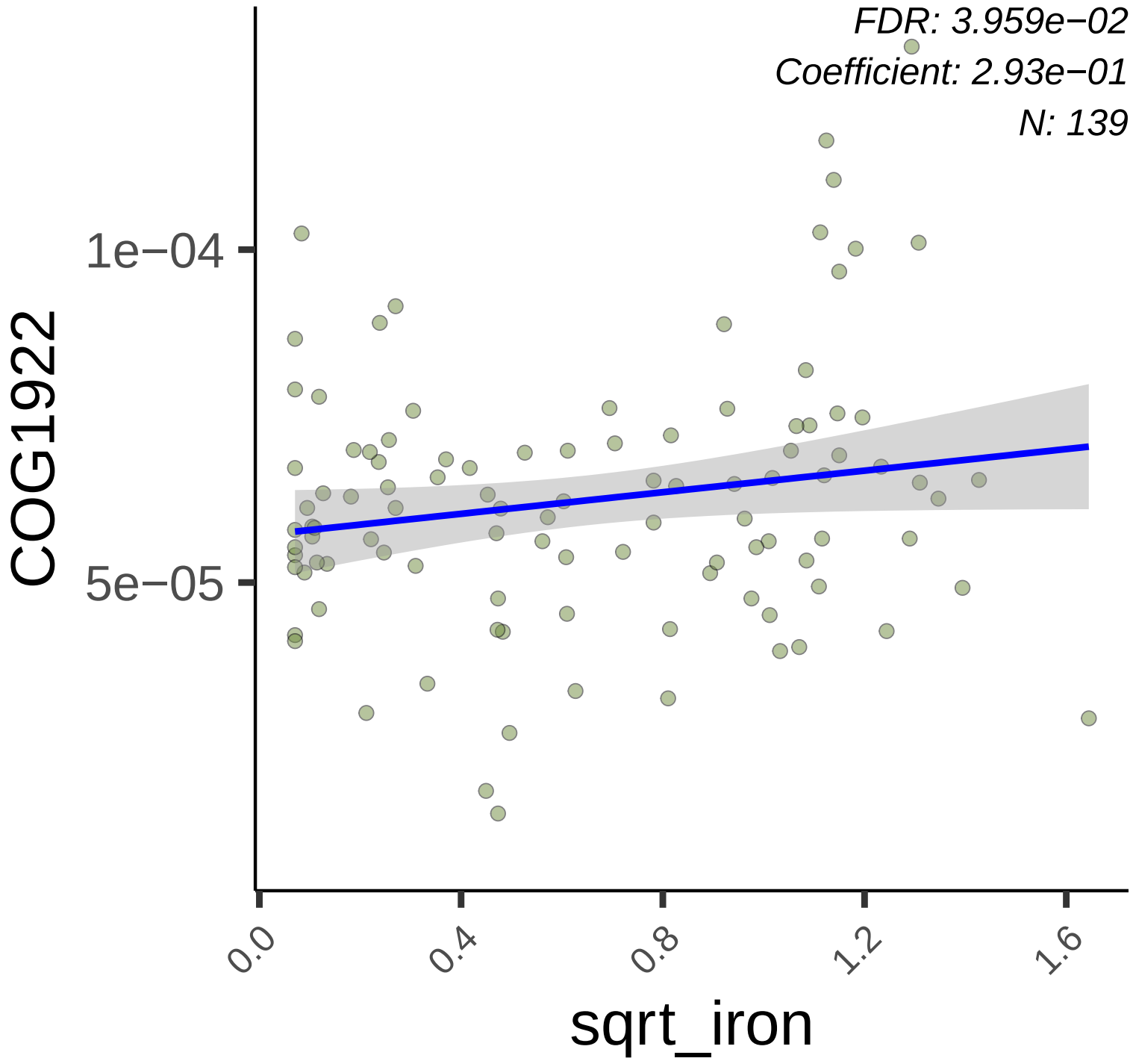
sqrt_iron


FDR: 3.959e−02
Coefficient: 2.93e−01
N: 139
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COG1922
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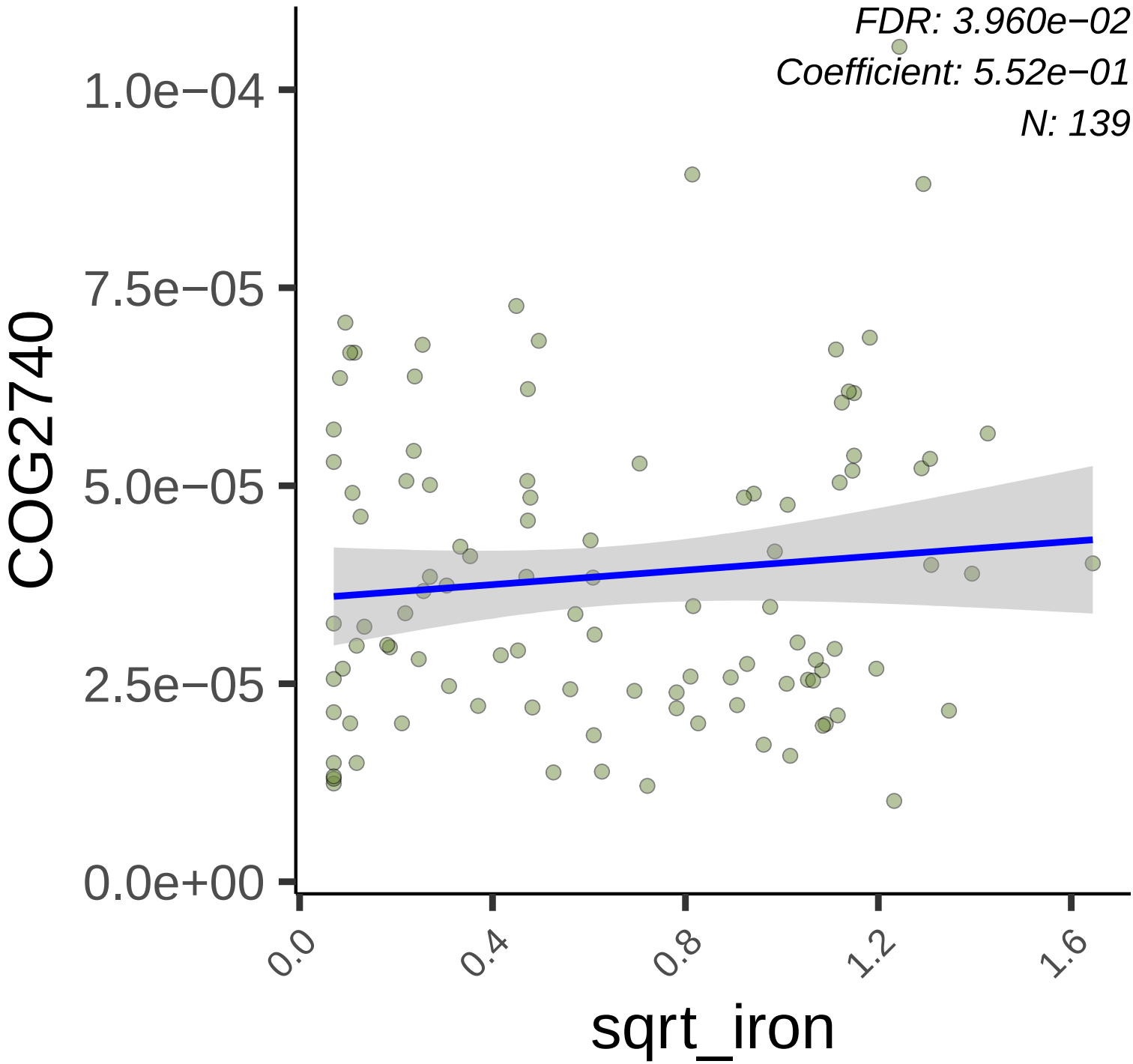
sqrt_iron


FDR: 3.960e−02
Coefficient: 5.52e−01
N: 139
COG2740
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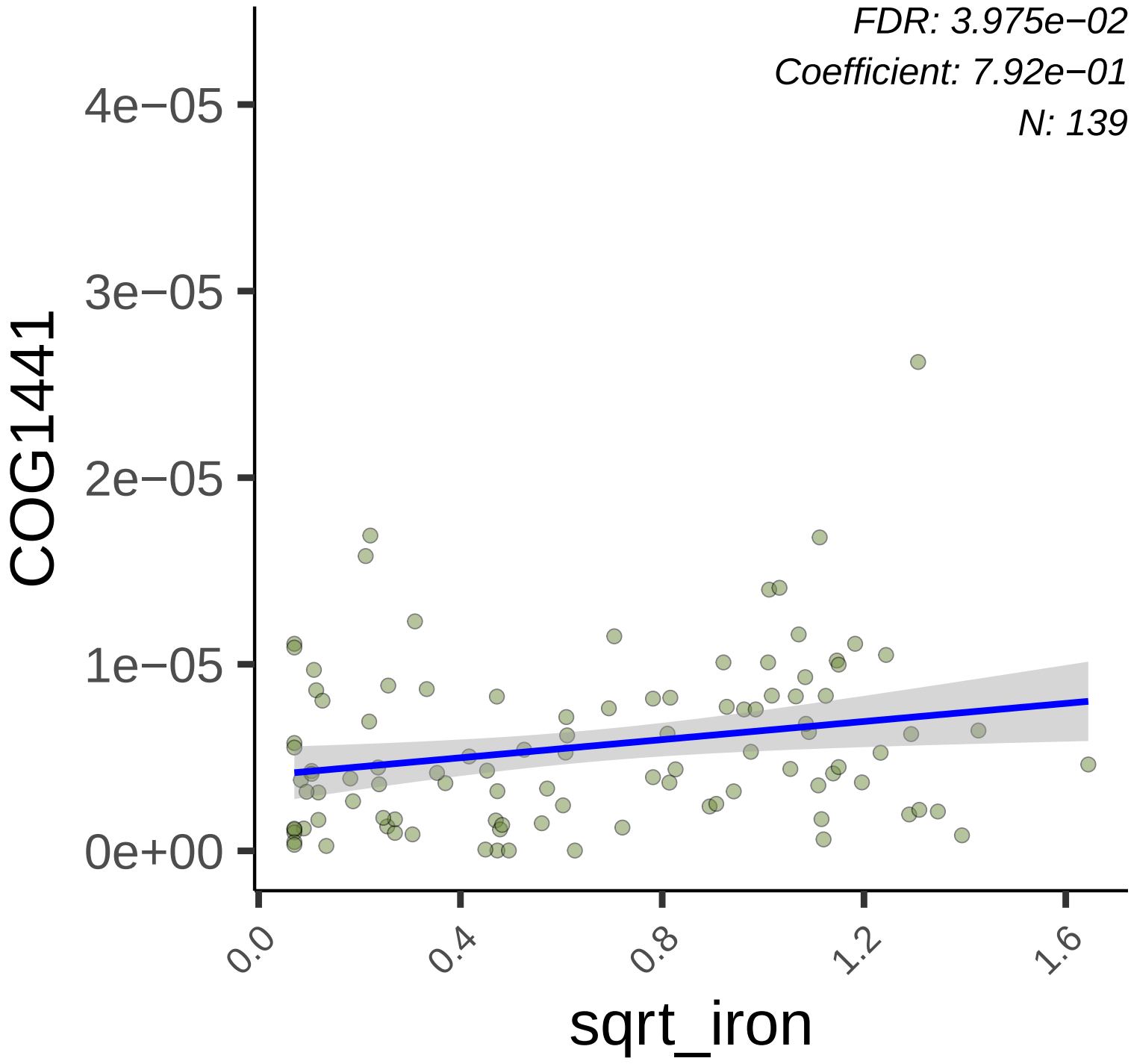
1.6
sqrt_iron


FDR: 3.975e−02
Coefficient: 7.92e−01
N: 139
COG1441
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2e−05
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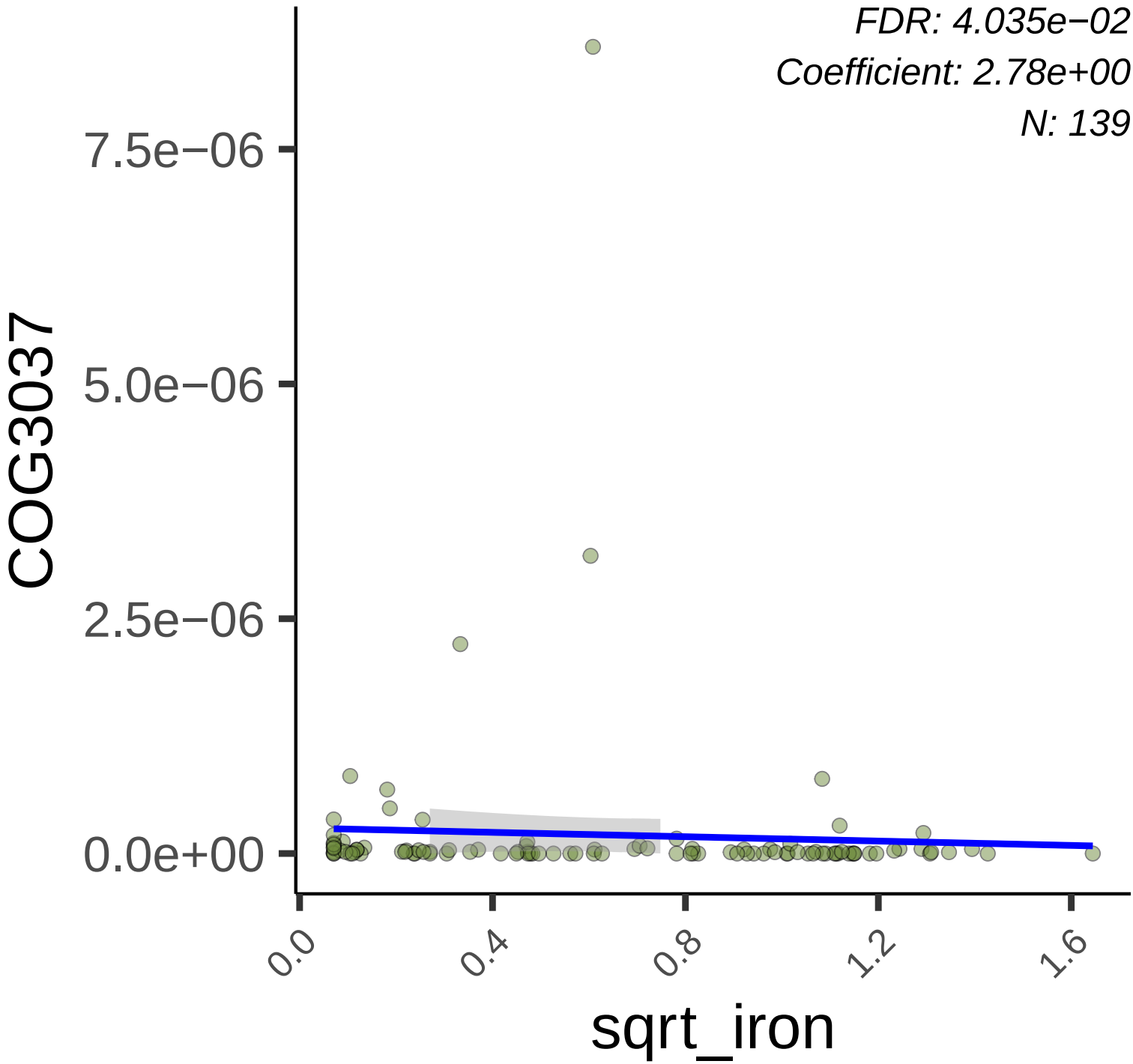
1.2
1.6
sqrt_iron


FDR: 4.035e−02
Coefficient: 2.78e+00
N: 139
COG3037
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0.4
0.8
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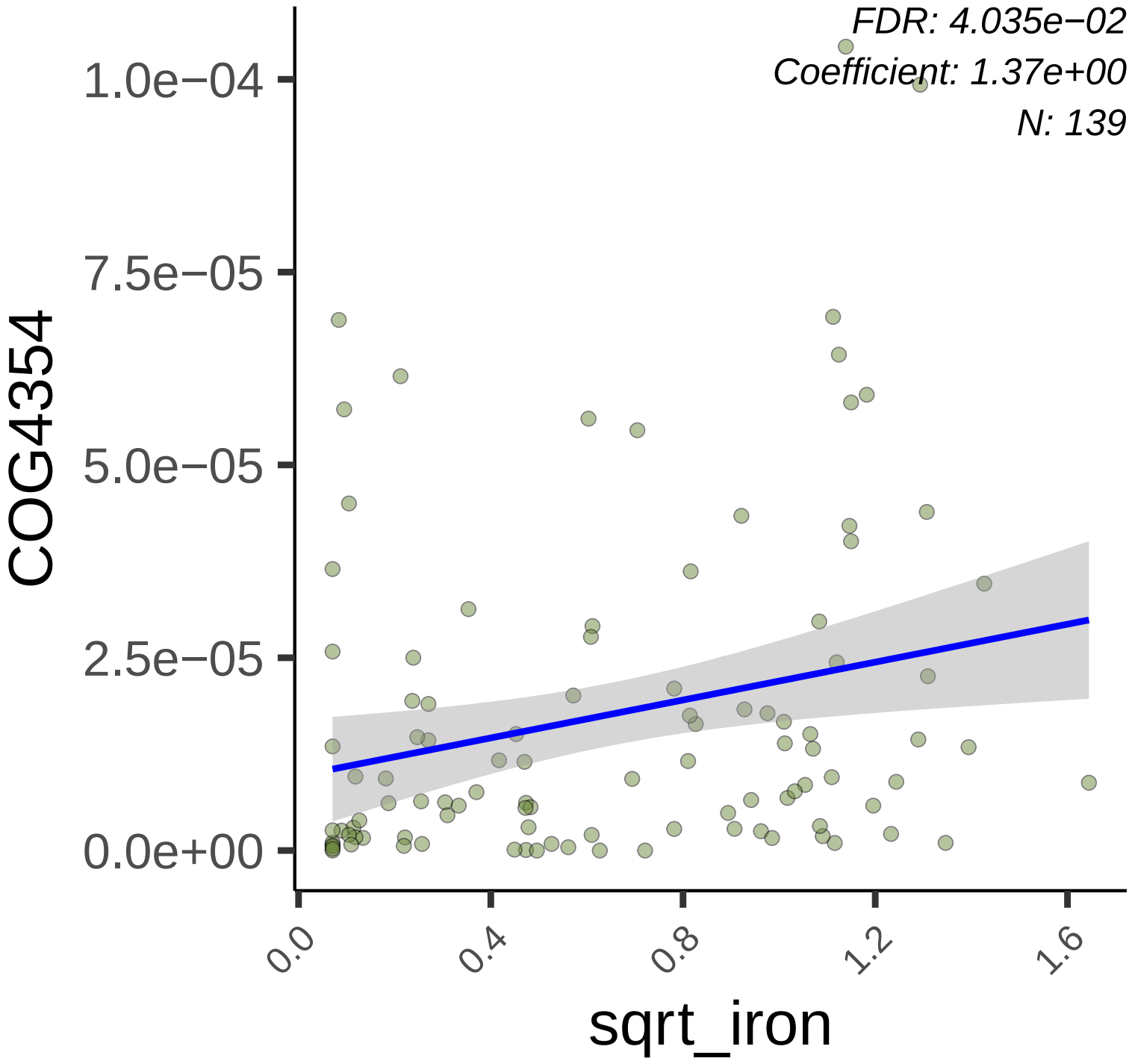
1.6
sqrt_iron


FDR: 4.035e−02
Coefficient: 1.37e+00
N: 139
1.0e−04
7.5e−05
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COG4354
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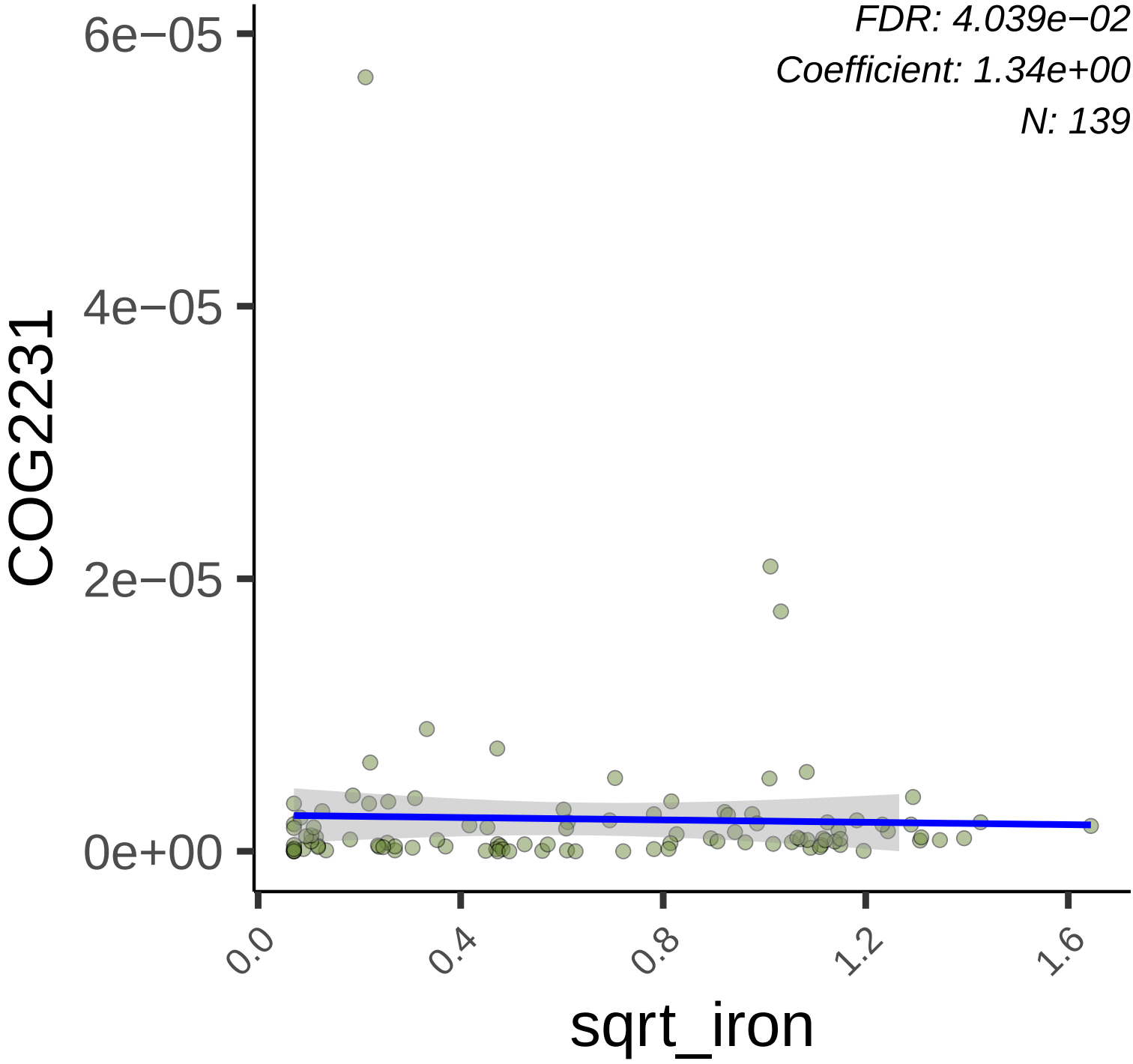
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.039e−02
Coefficient: 1.34e+00
N: 139
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COG2231
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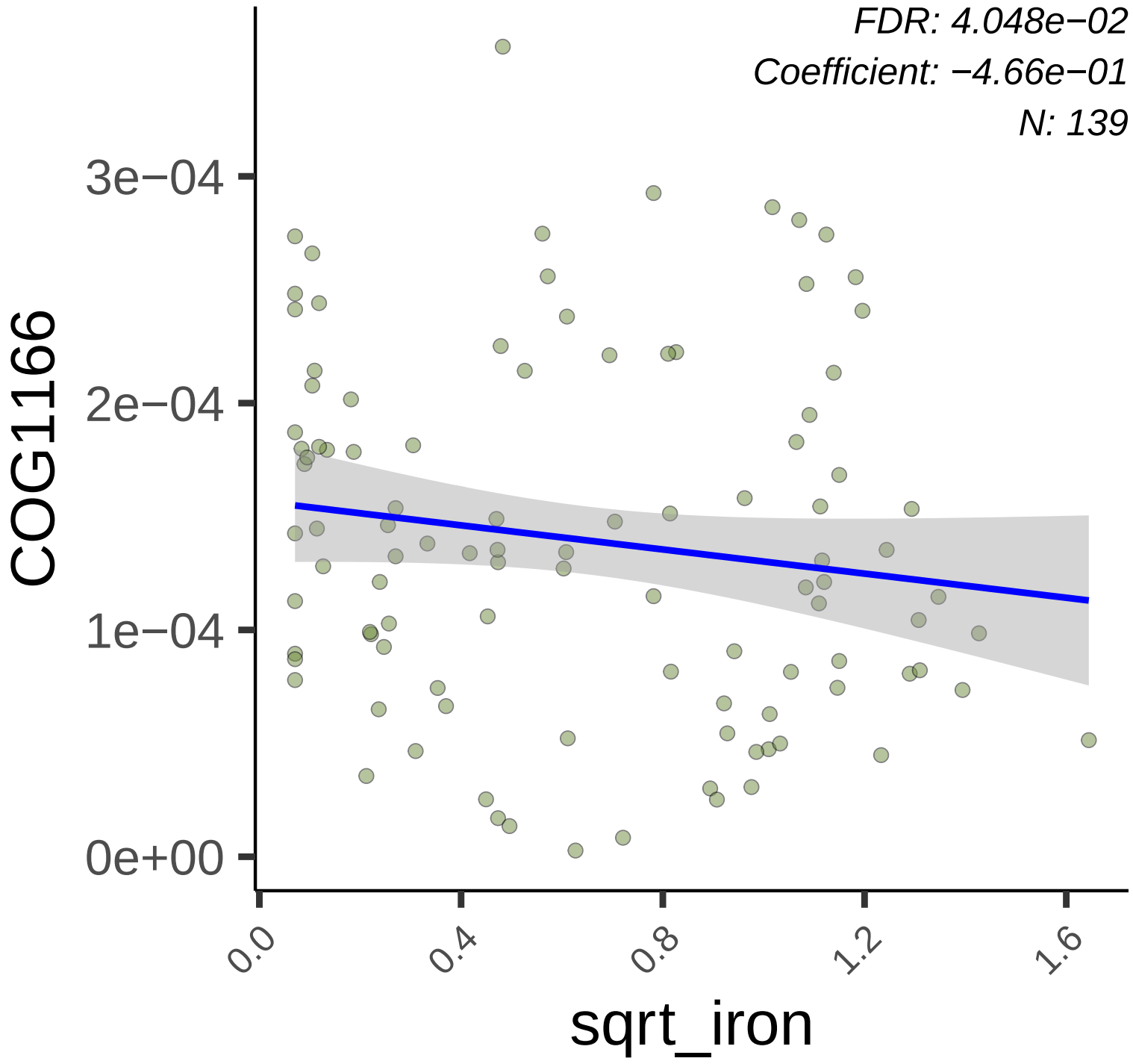
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.048e−02
Coefficient: −4.66e−01
N: 139
COG1166
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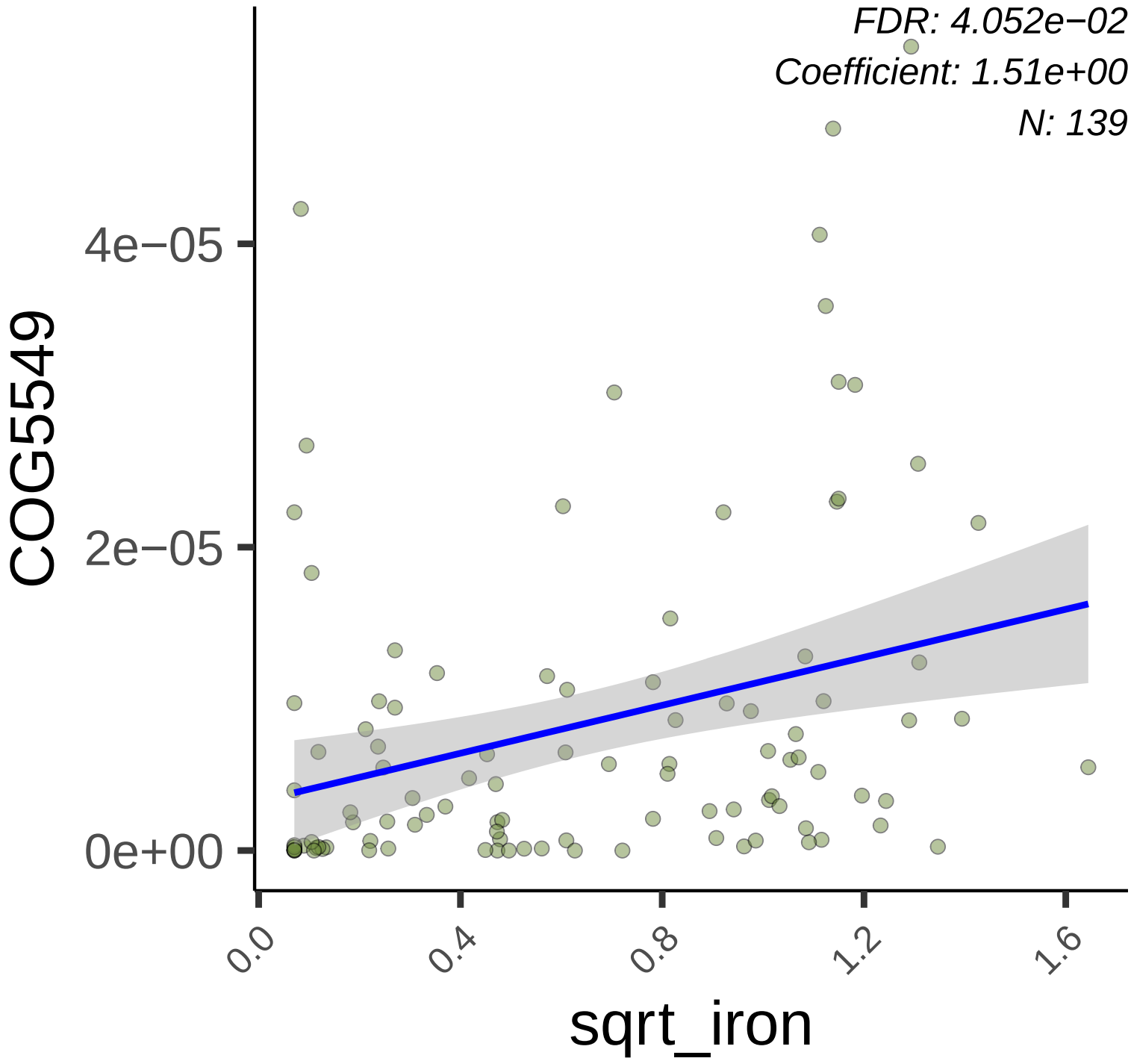
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.052e−02
Coefficient: 1.51e+00
N: 139
COG5549
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2e−05
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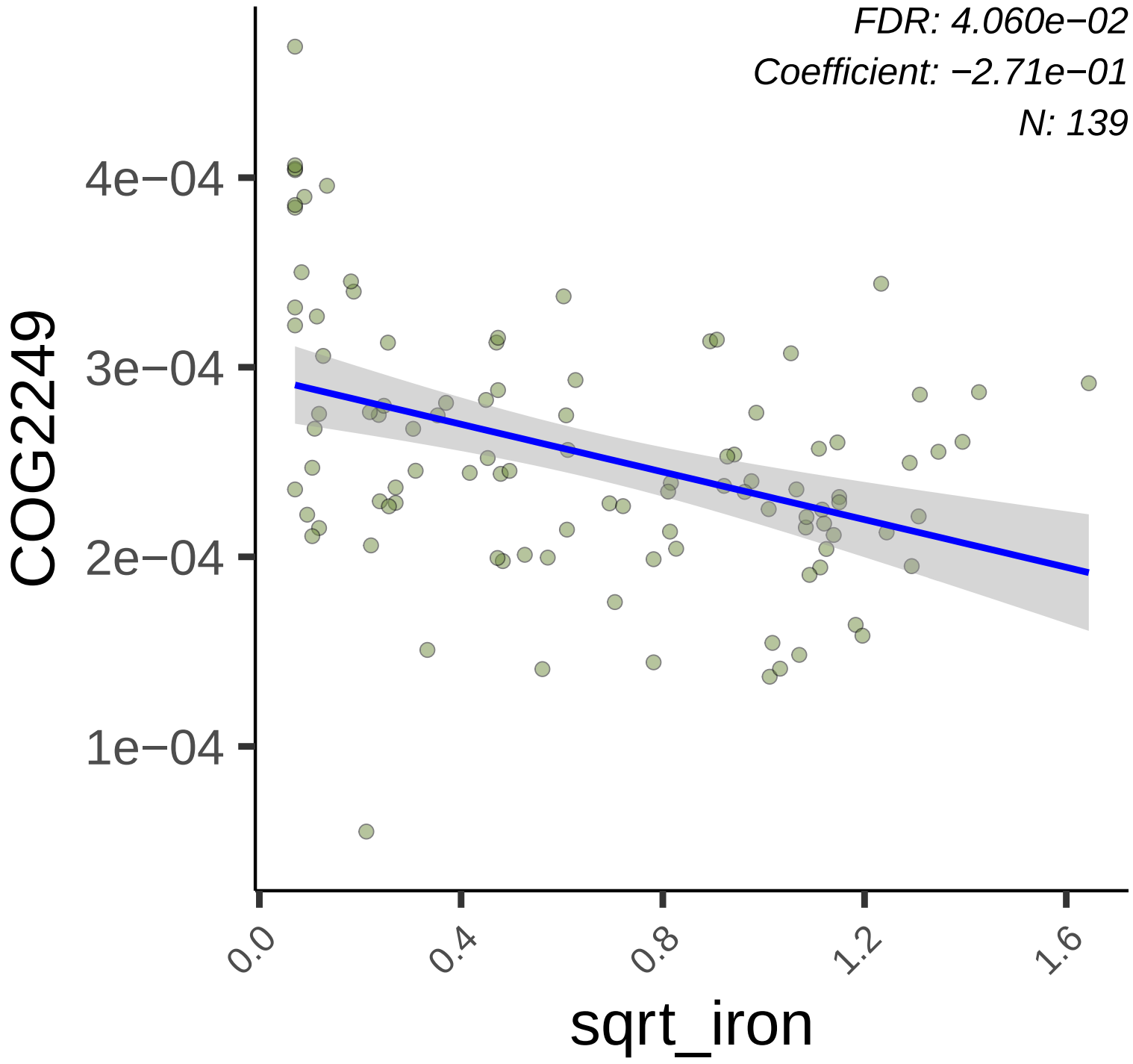
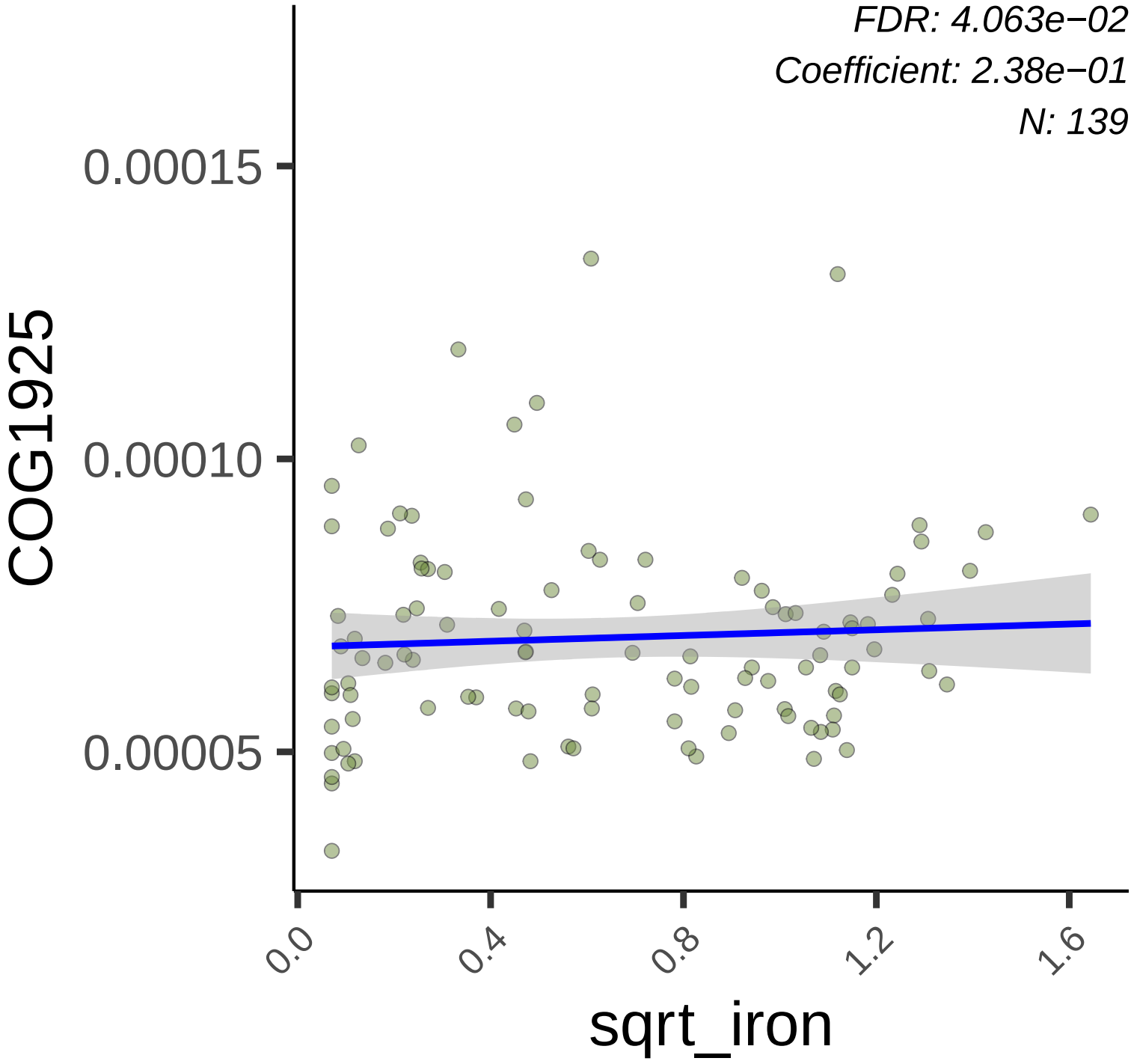
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.060e−02
Coefficient: −2.71e−01
N: 139
COG2249
4e−04
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.063e−02
Coefficient: 2.38e−01
N: 139
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COG1925
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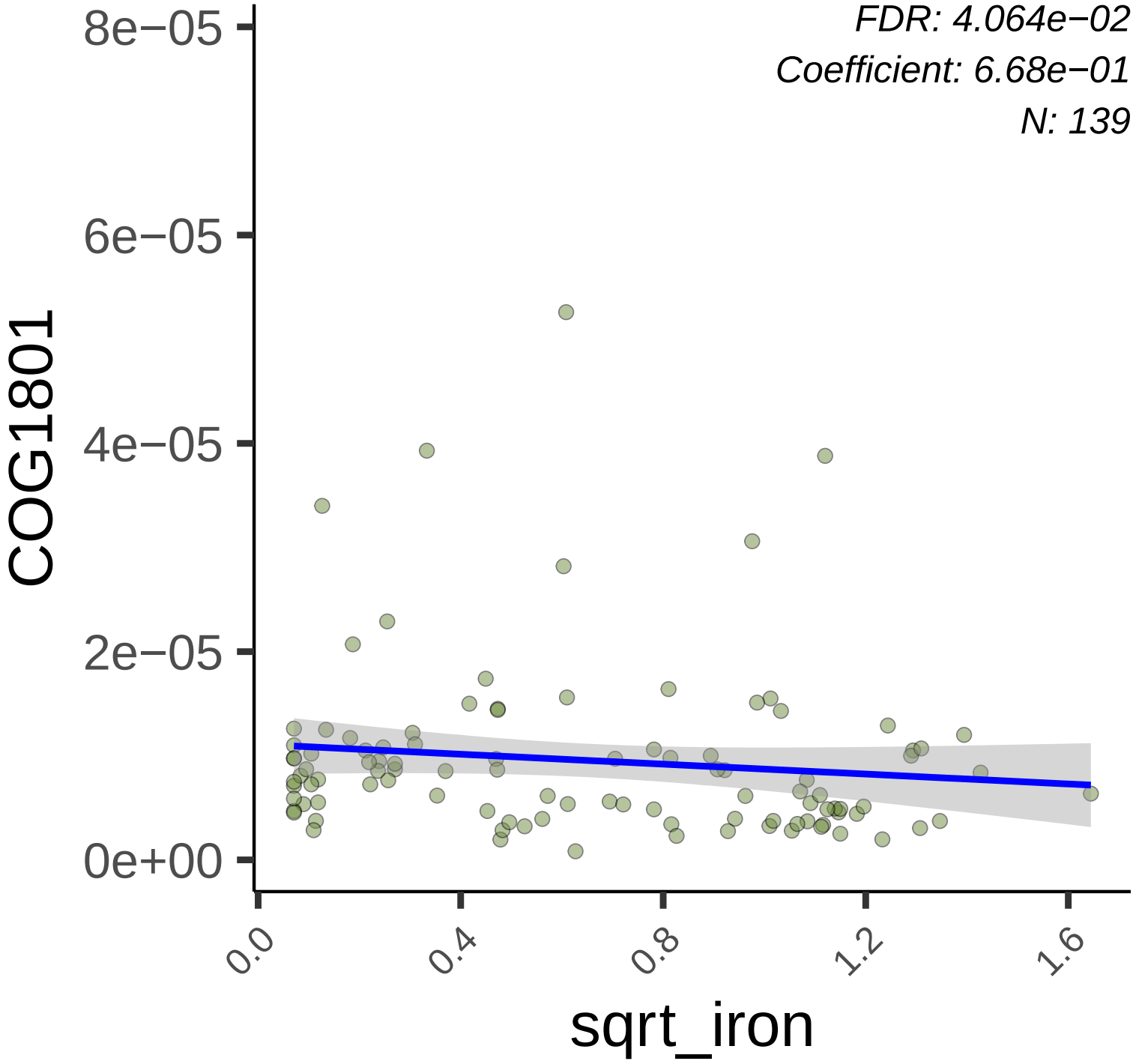
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.064e−02
Coefficient: 6.68e−01
N: 139
COG1801
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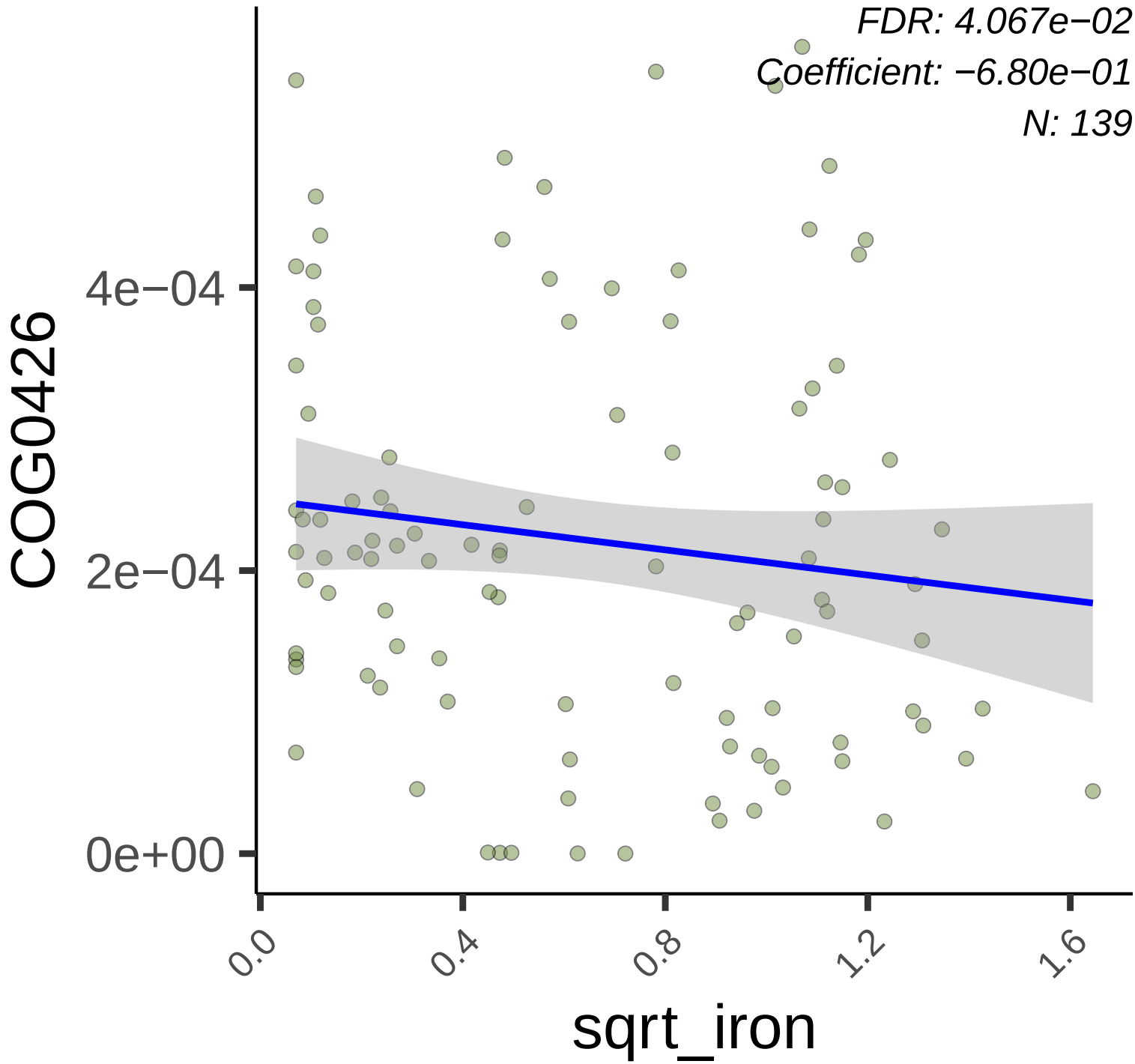
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.067e−02
Coefficient: −6.80e−01
N: 139
COG0426
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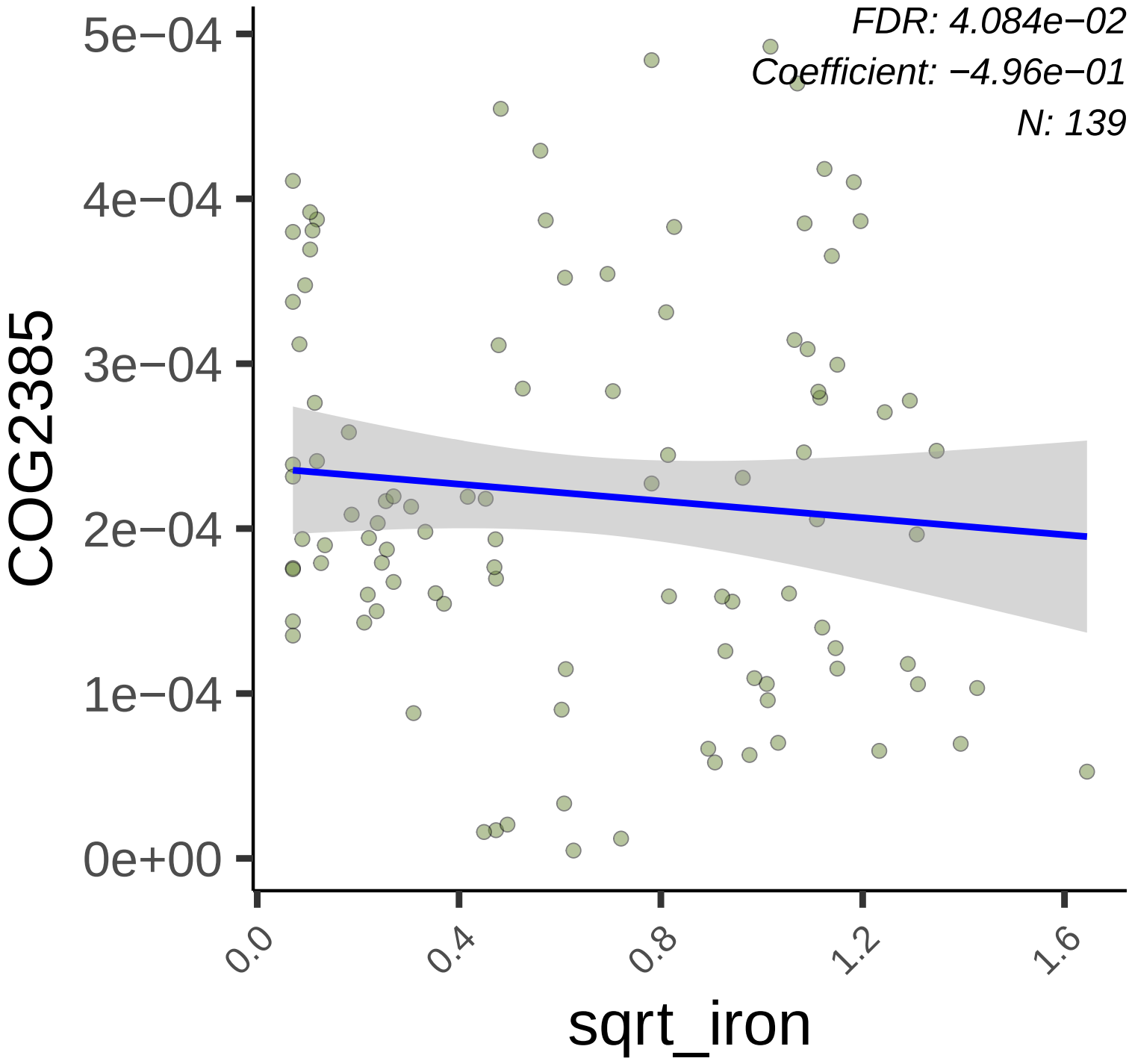
2e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.084e−02
Coefficient: −4.96e−01
N: 139
COG2385
5e−04
4e−04
3e−04
2e−04
1e−04
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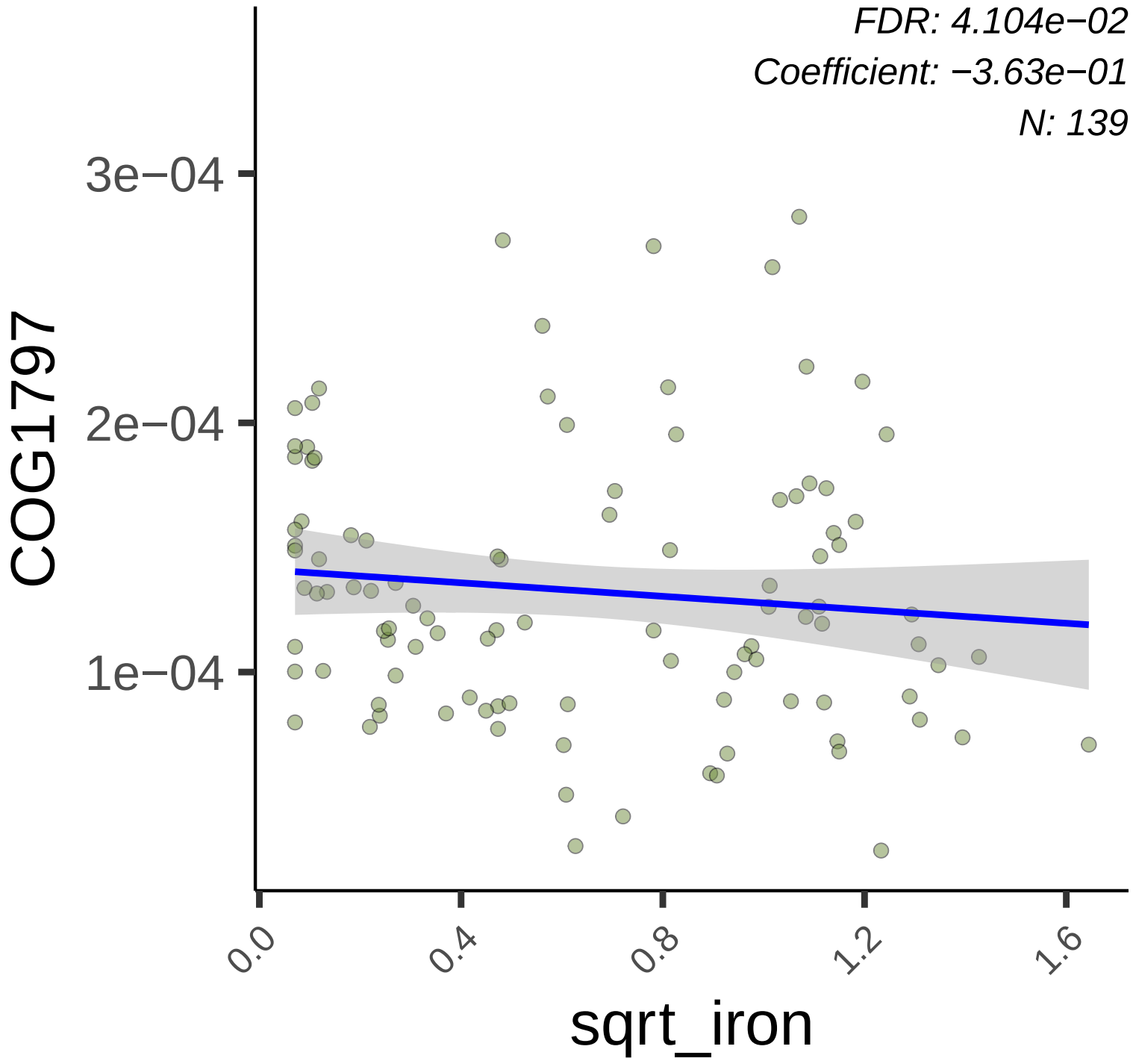
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.104e−02
Coefficient: −3.63e−01
N: 139
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2e−04
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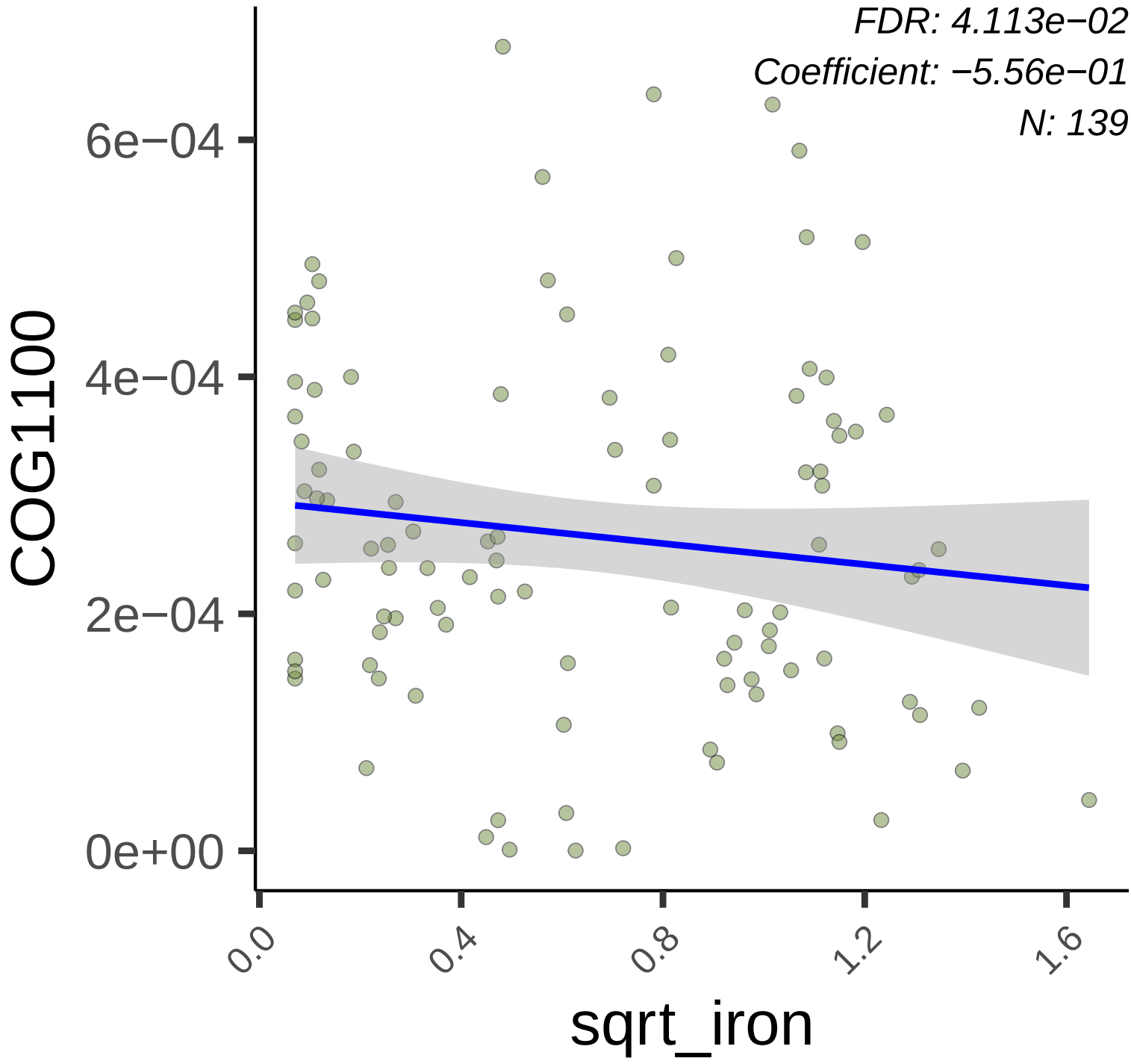
COG1797
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.113e−02
Coefficient: −5.56e−01
N: 139
COG1100
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4e−04
2e−04
0e+00
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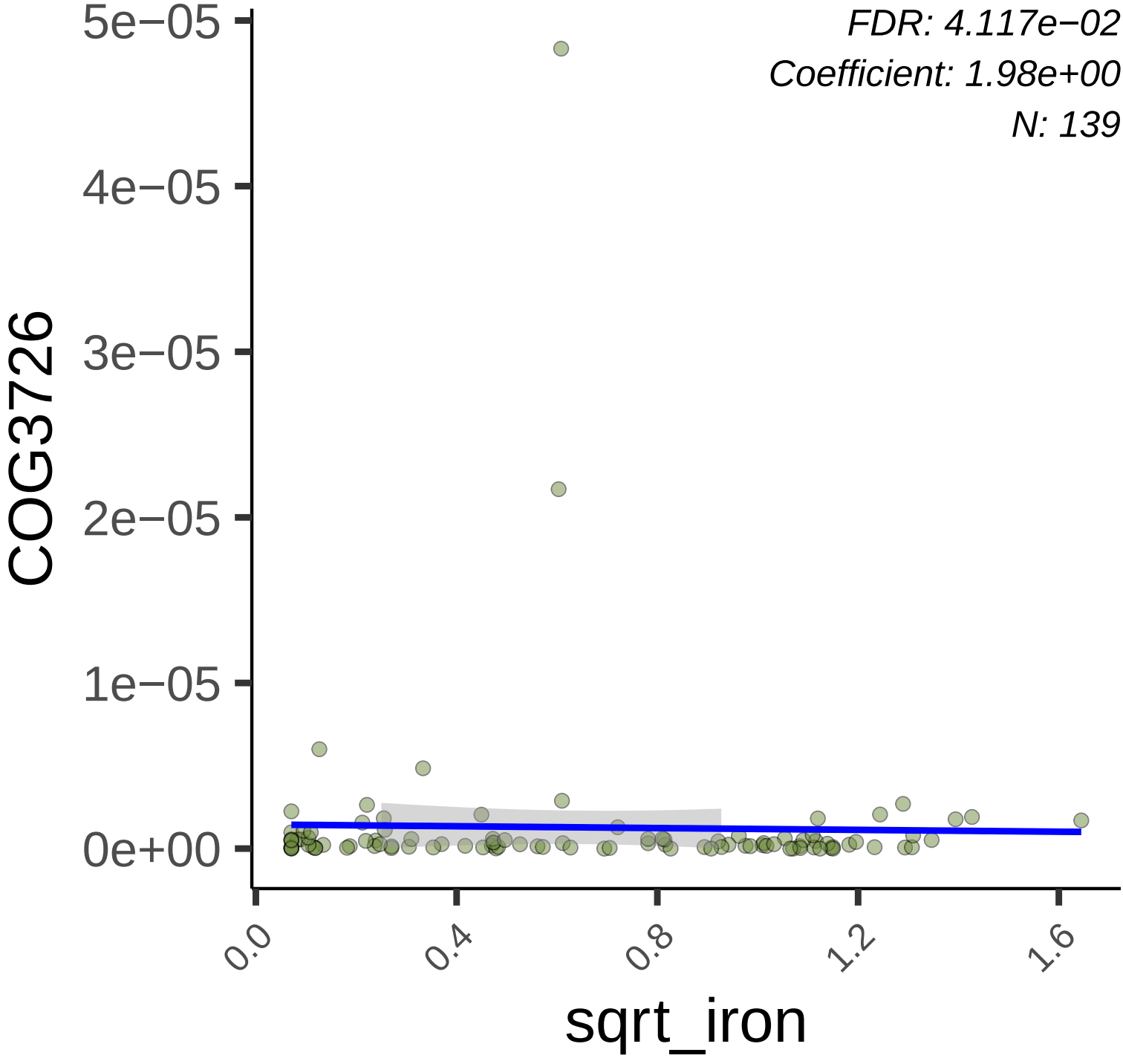
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.117e−02
Coefficient: 1.98e+00
N: 139
COG3726
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4e−05
3e−05
2e−05
1e−05
0e+00
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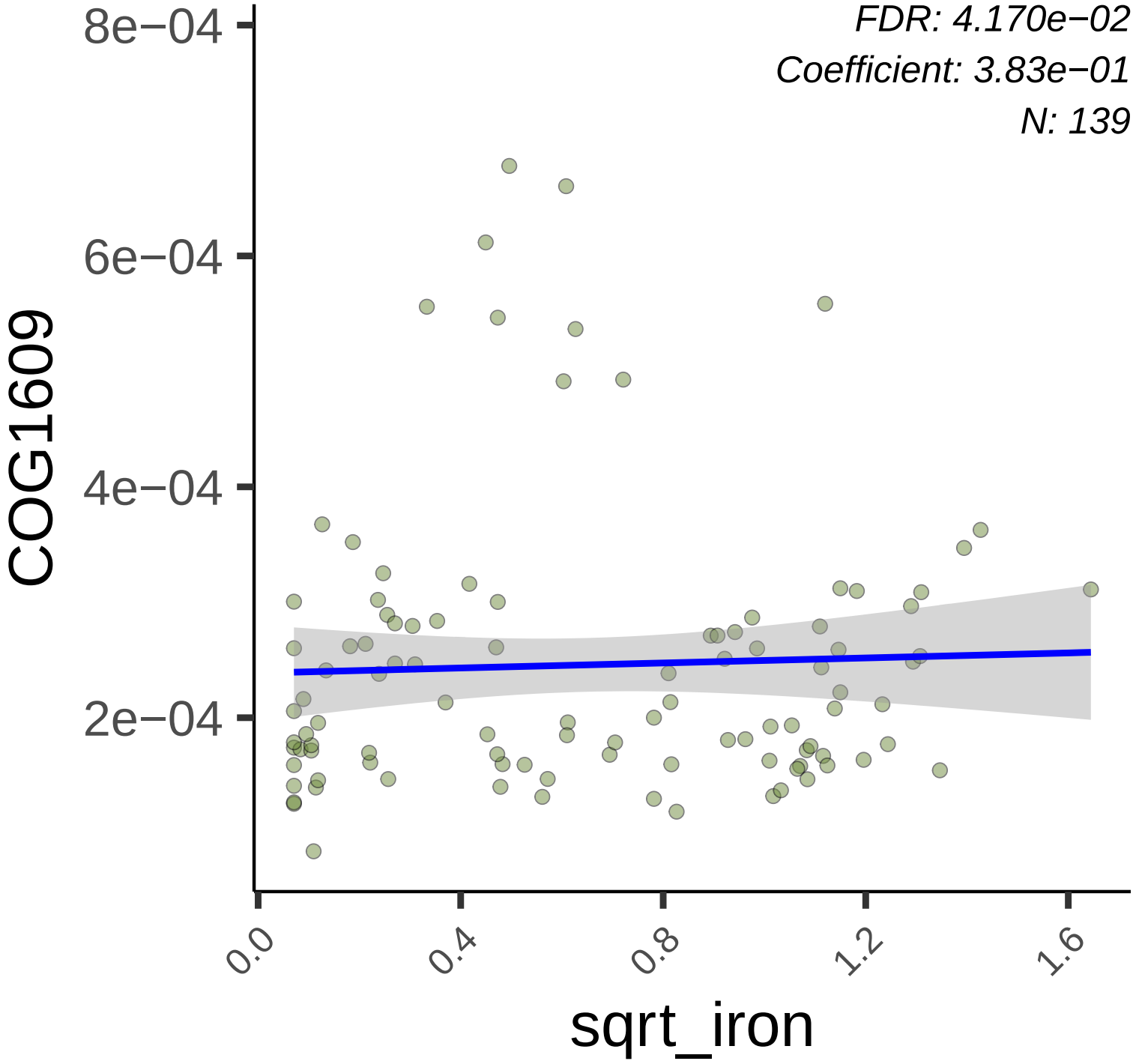
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.170e−02
Coefficient: 3.83e−01
N: 139
8e−04
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4e−04
2e−04
COG1609
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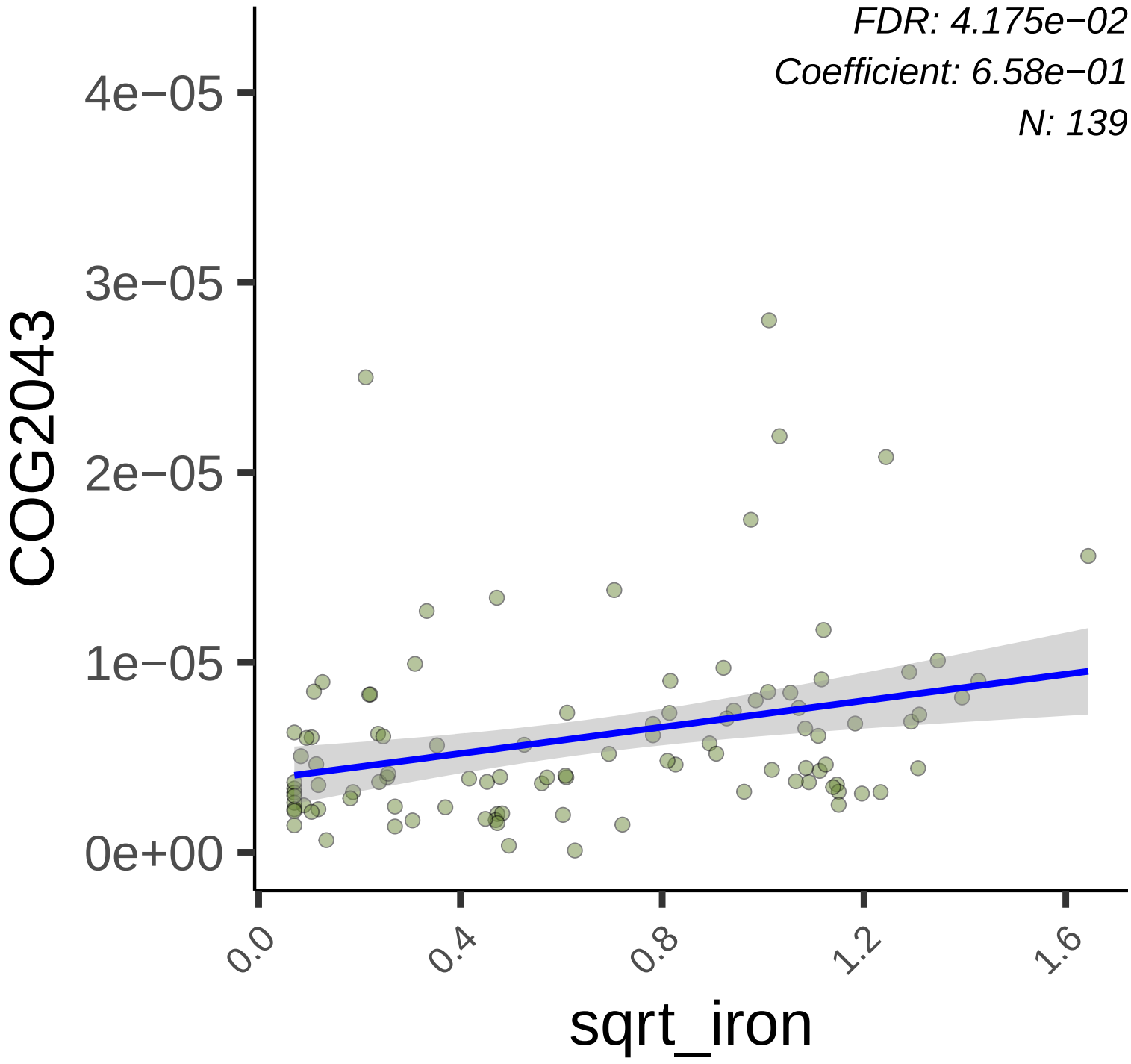
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.175e−02
Coefficient: 6.58e−01
N: 139
COG2043
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2e−05
1e−05
0e+00
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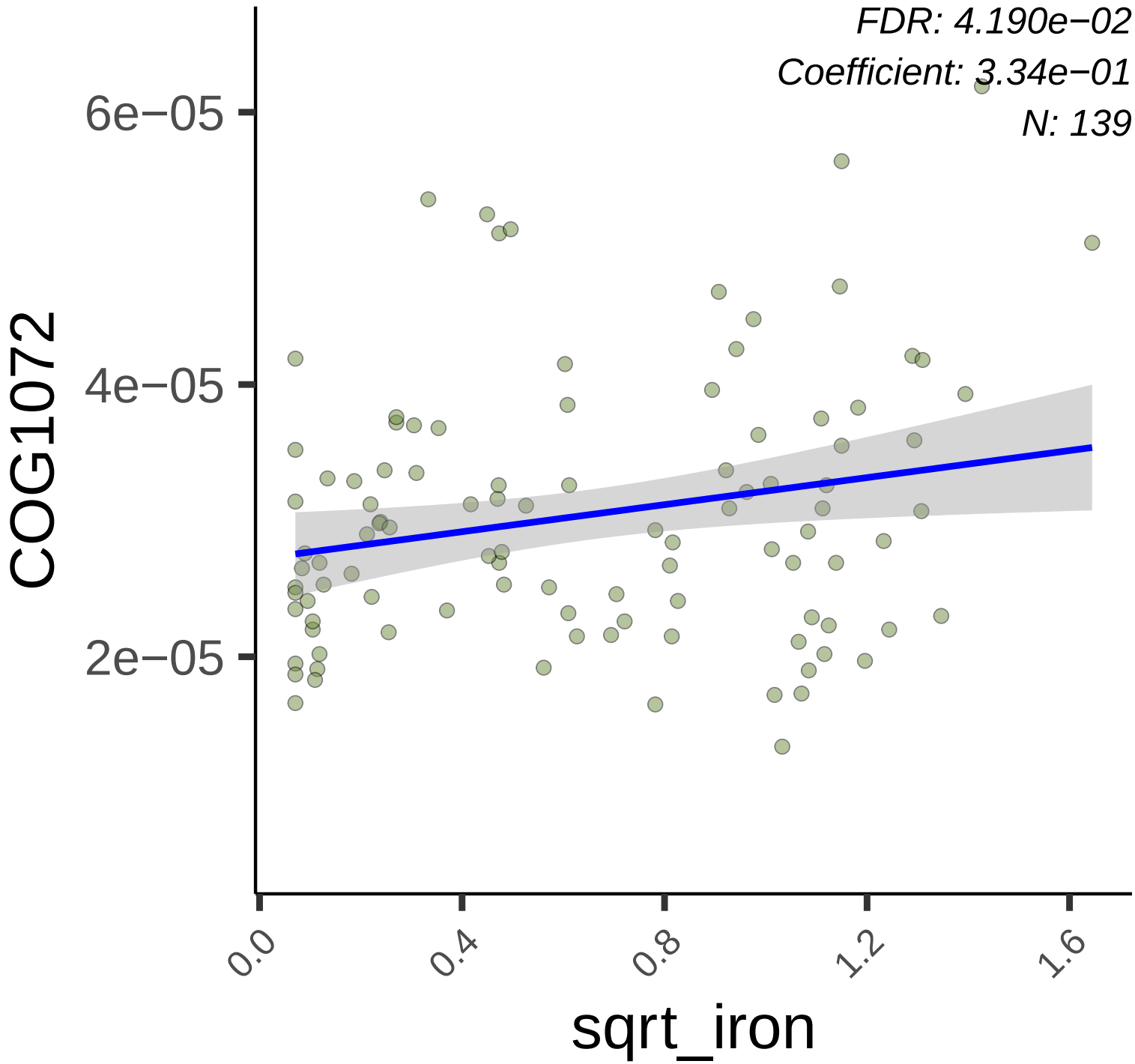
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.190e−02
Coefficient: 3.34e−01
N: 139
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4e−05
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COG1072
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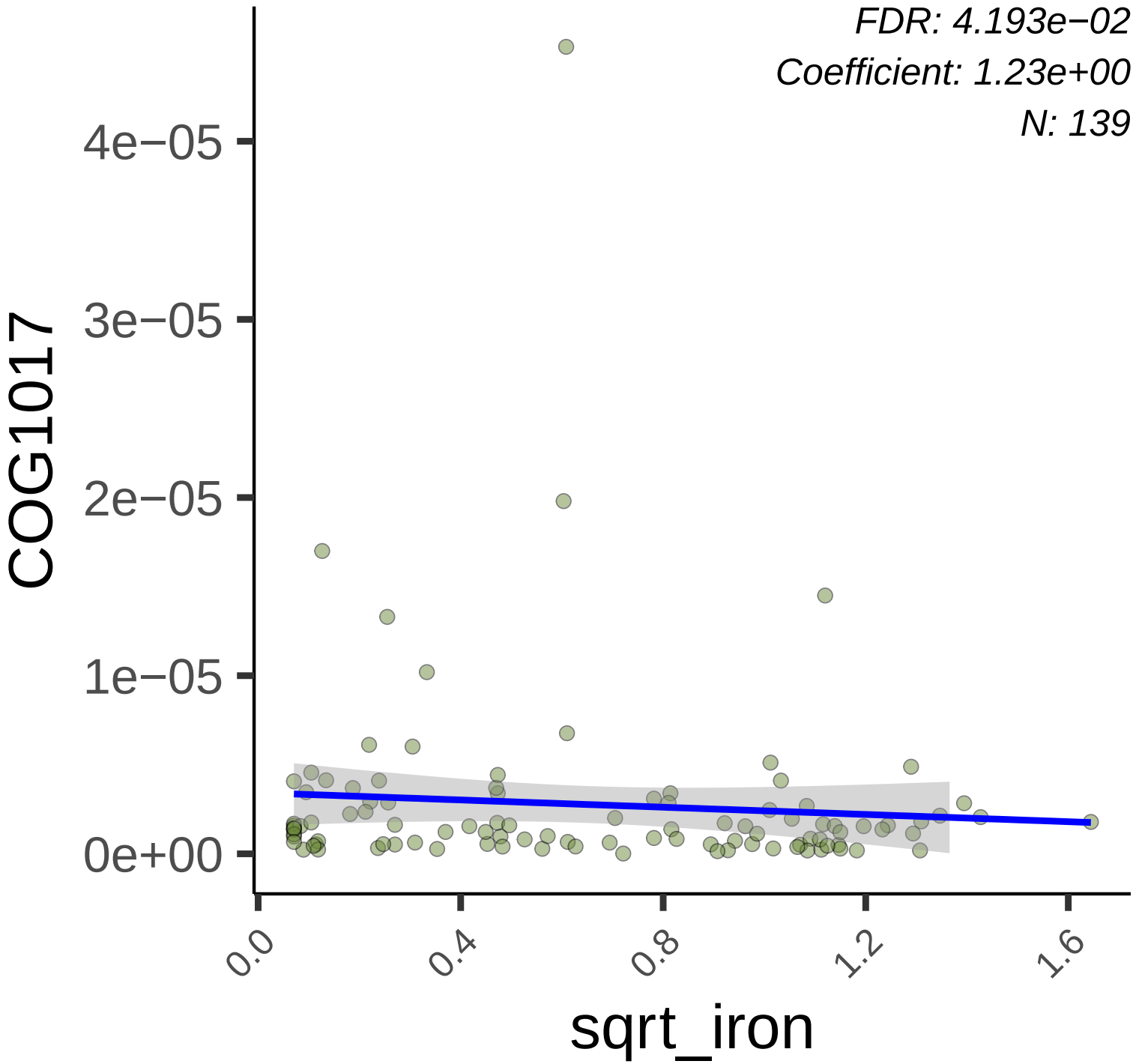
0.8
1.2
1.6
sqrt_iron


FDR: 4.193e−02
Coefficient: 1.23e+00
N: 139
COG1017
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2e−05
1e−05
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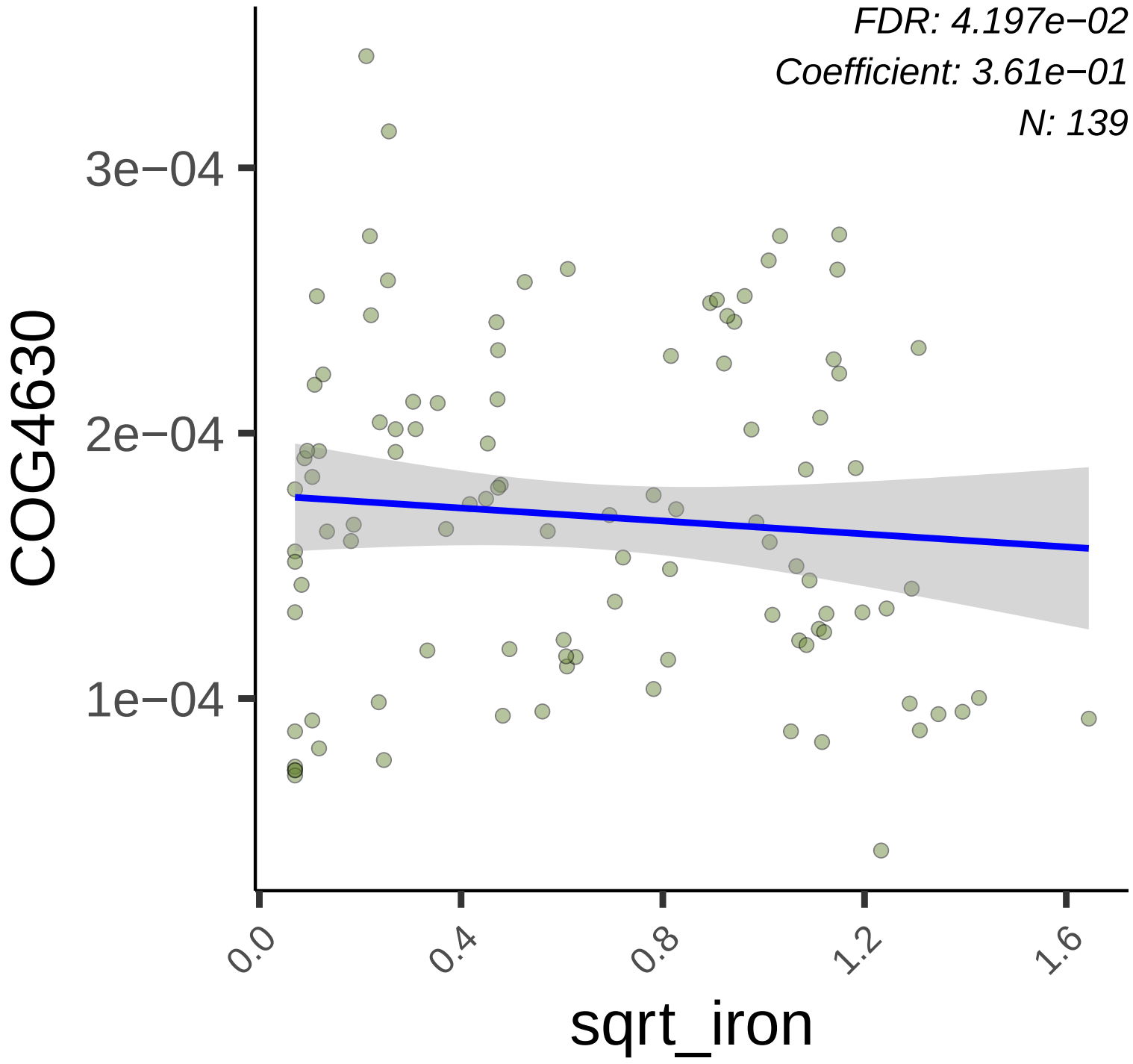
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.197e−02
Coefficient: 3.61e−01
N: 139
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2e−04
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COG4630
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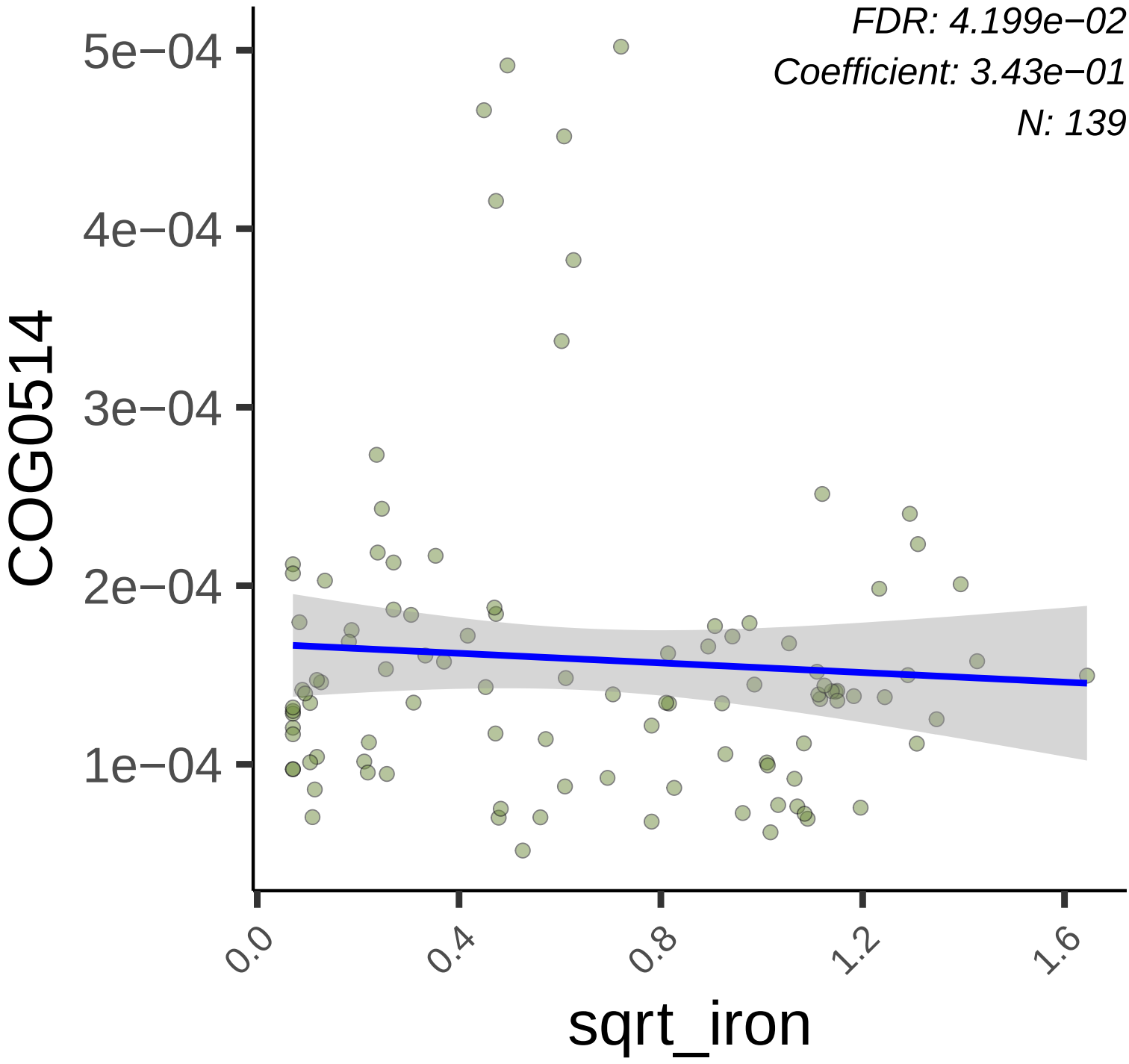
1.2
1.6
sqrt_iron


FDR: 4.199e−02
Coefficient: 3.43e−01
N: 139
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2e−04
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COG0514
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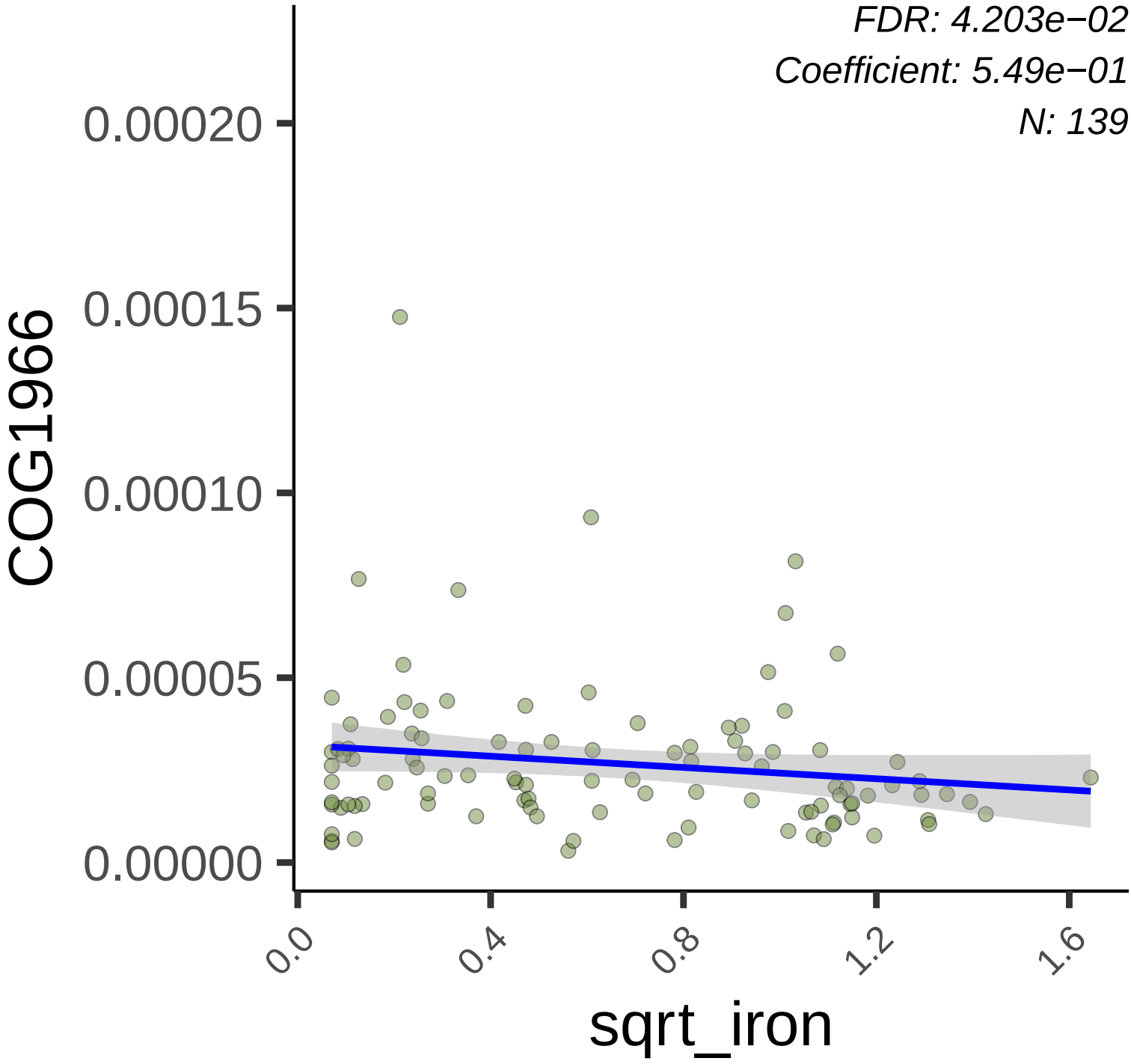
1.6
sqrt_iron


FDR: 4.203e−02
Coefficient: 5.49e−01
N: 139
COG1966
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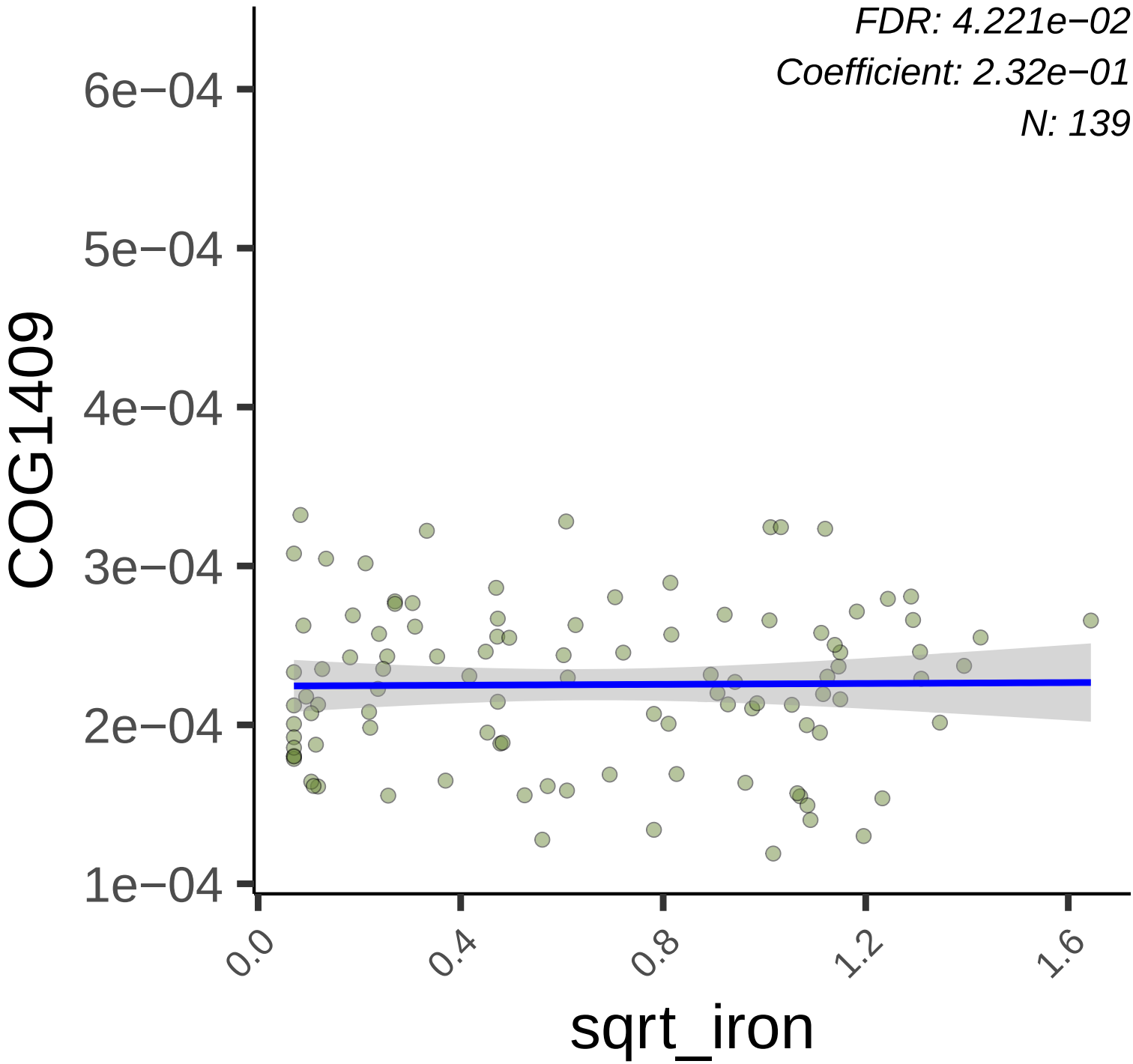
1.6
sqrt_iron


FDR: 4.221e−02
Coefficient: 2.32e−01
N: 139
COG1409
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2e−04
1e−04
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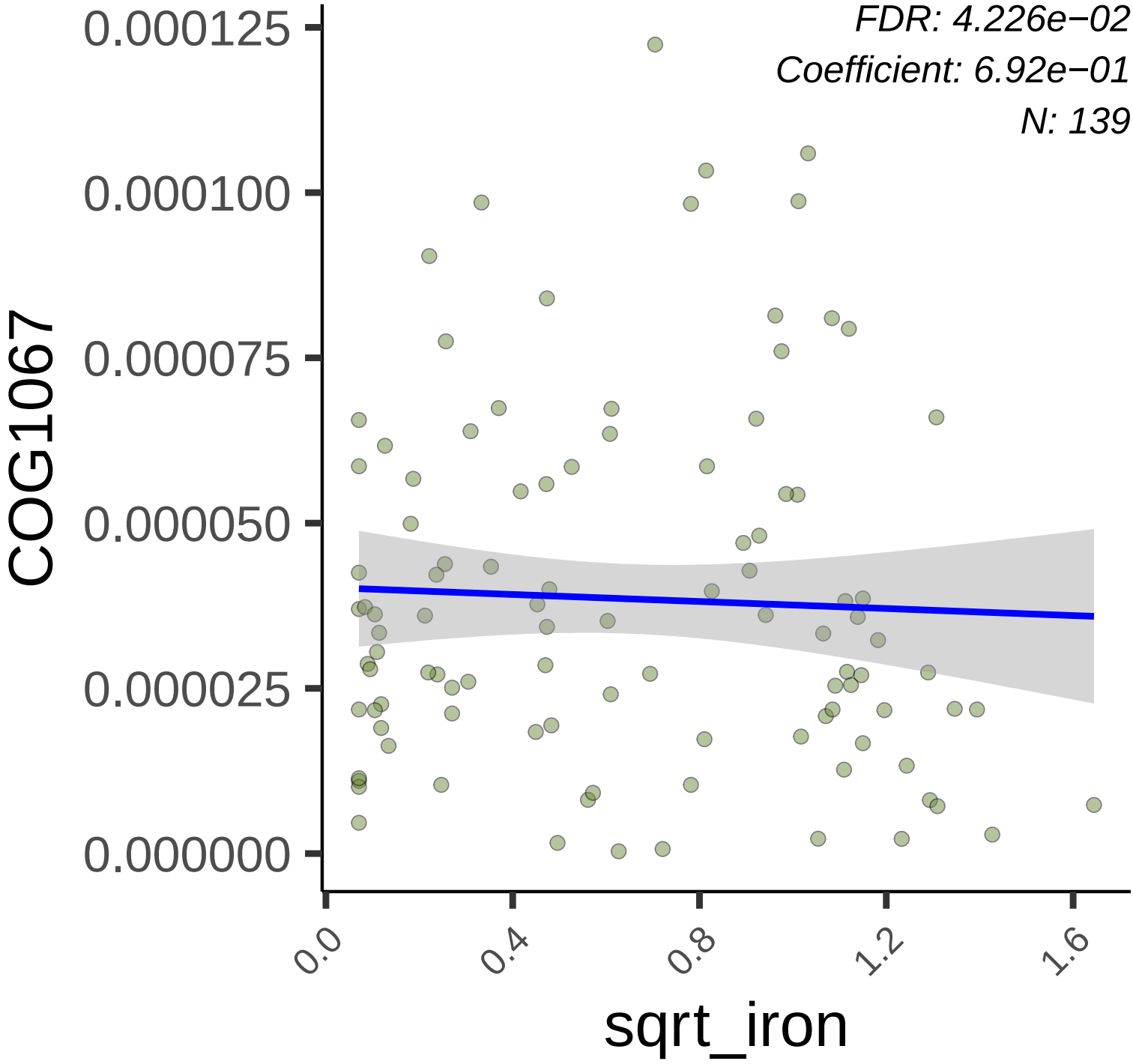
0.8
1.2
1.6
sqrt_iron


FDR: 4.226e−02
Coefficient: 6.92e−01
N: 139
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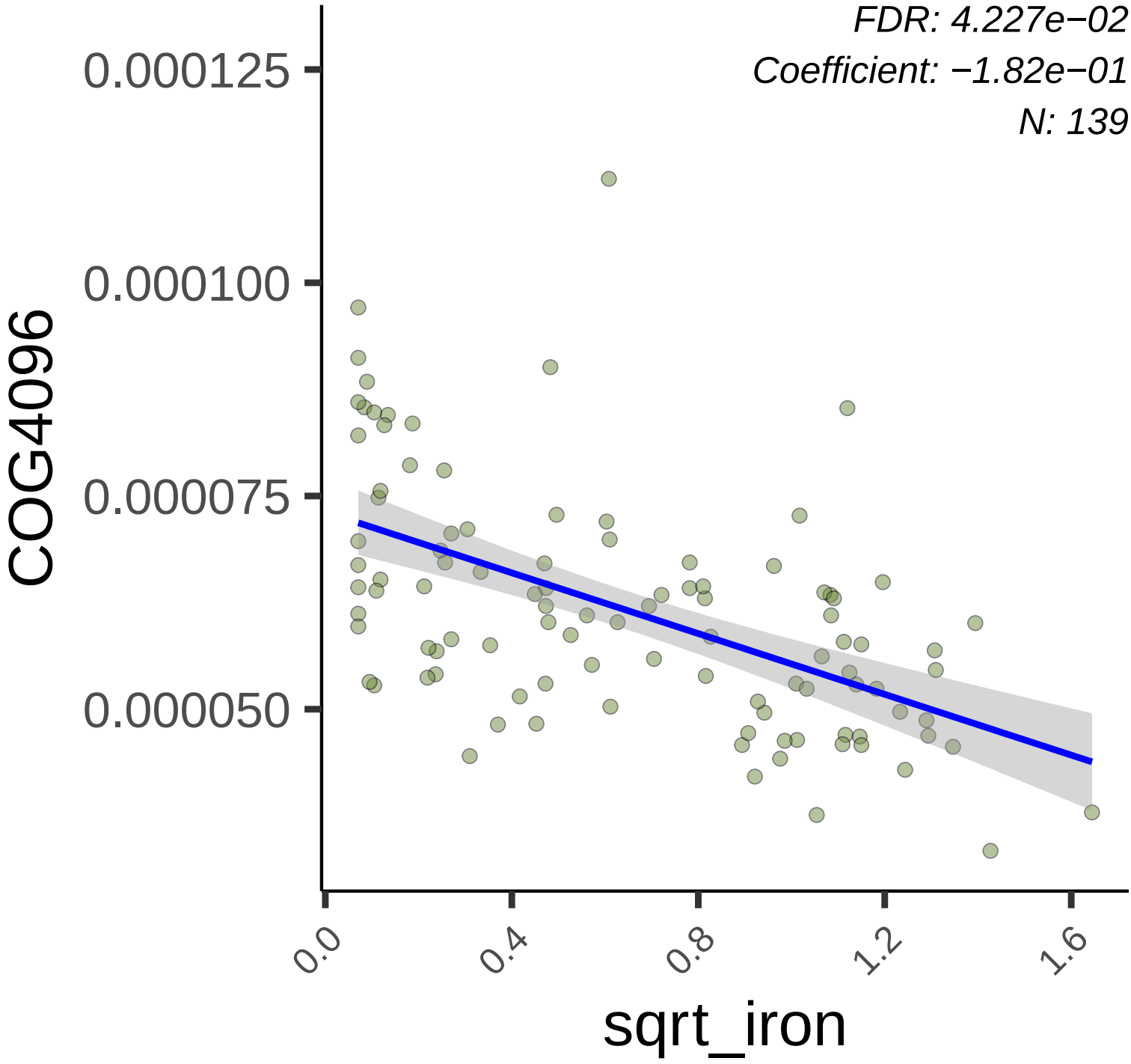
1.6
sqrt_iron


FDR: 4.227e−02
Coefficient: −1.82e−01
N: 139
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COG4096
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0.4
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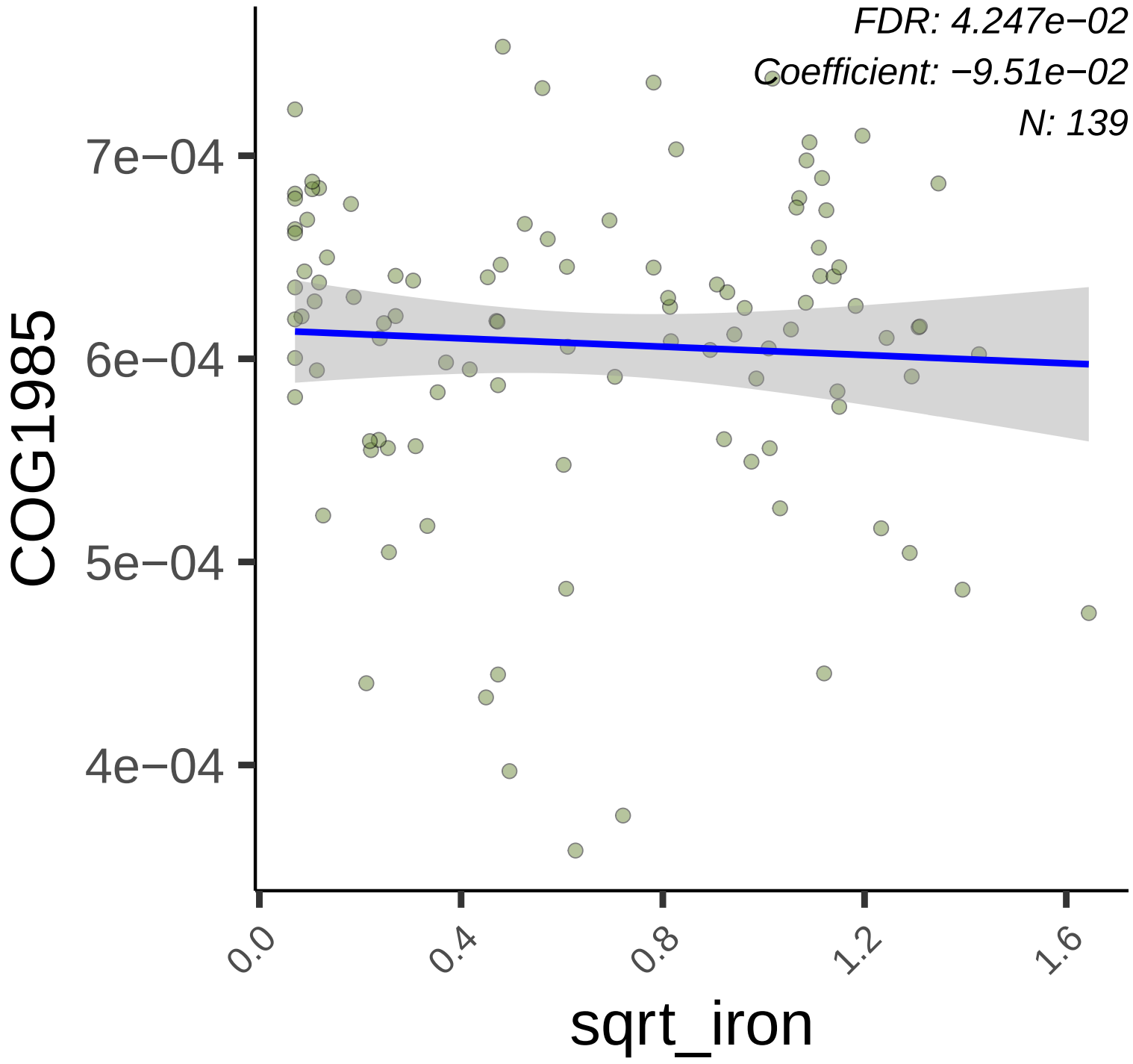
1.6
sqrt_iron


FDR: 4.247e−02
Coefficient: −9.51e−02
N: 139
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0.4
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1.2
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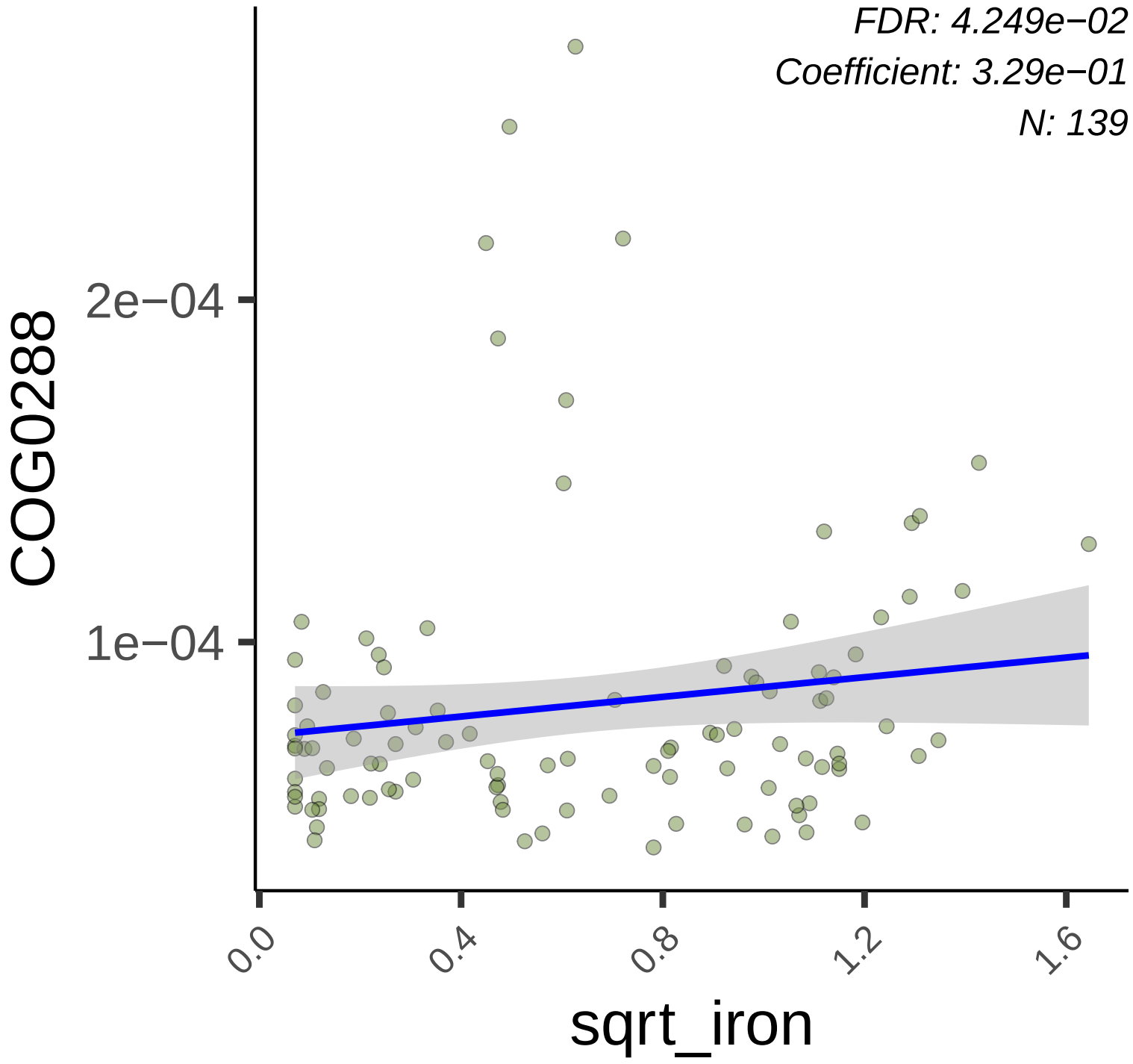
sqrt_iron


FDR: 4.249e−02
Coefficient: 3.29e−01
N: 139
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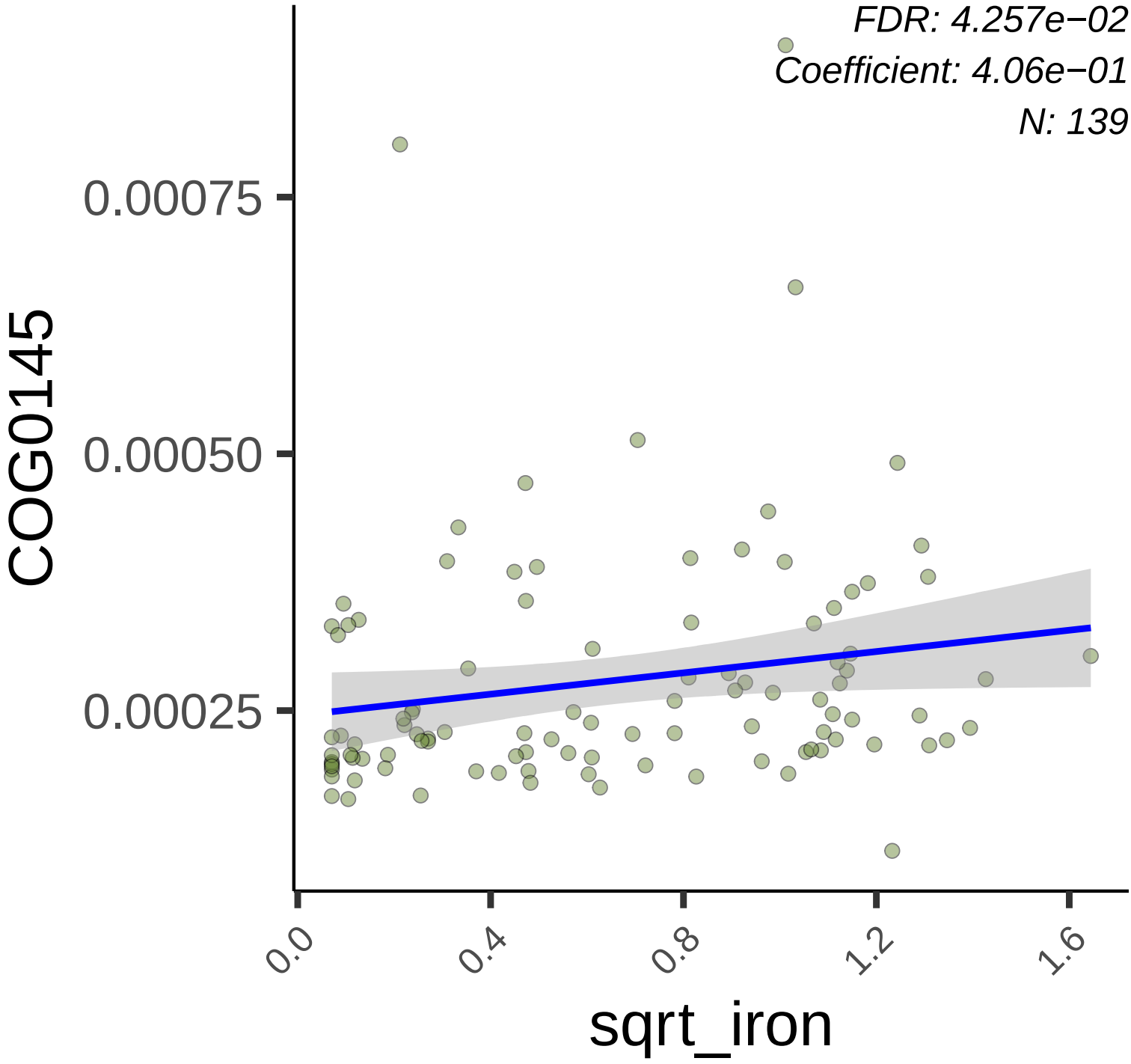
1.2
1.6
sqrt_iron


FDR: 4.257e−02
Coefficient: 4.06e−01
N: 139
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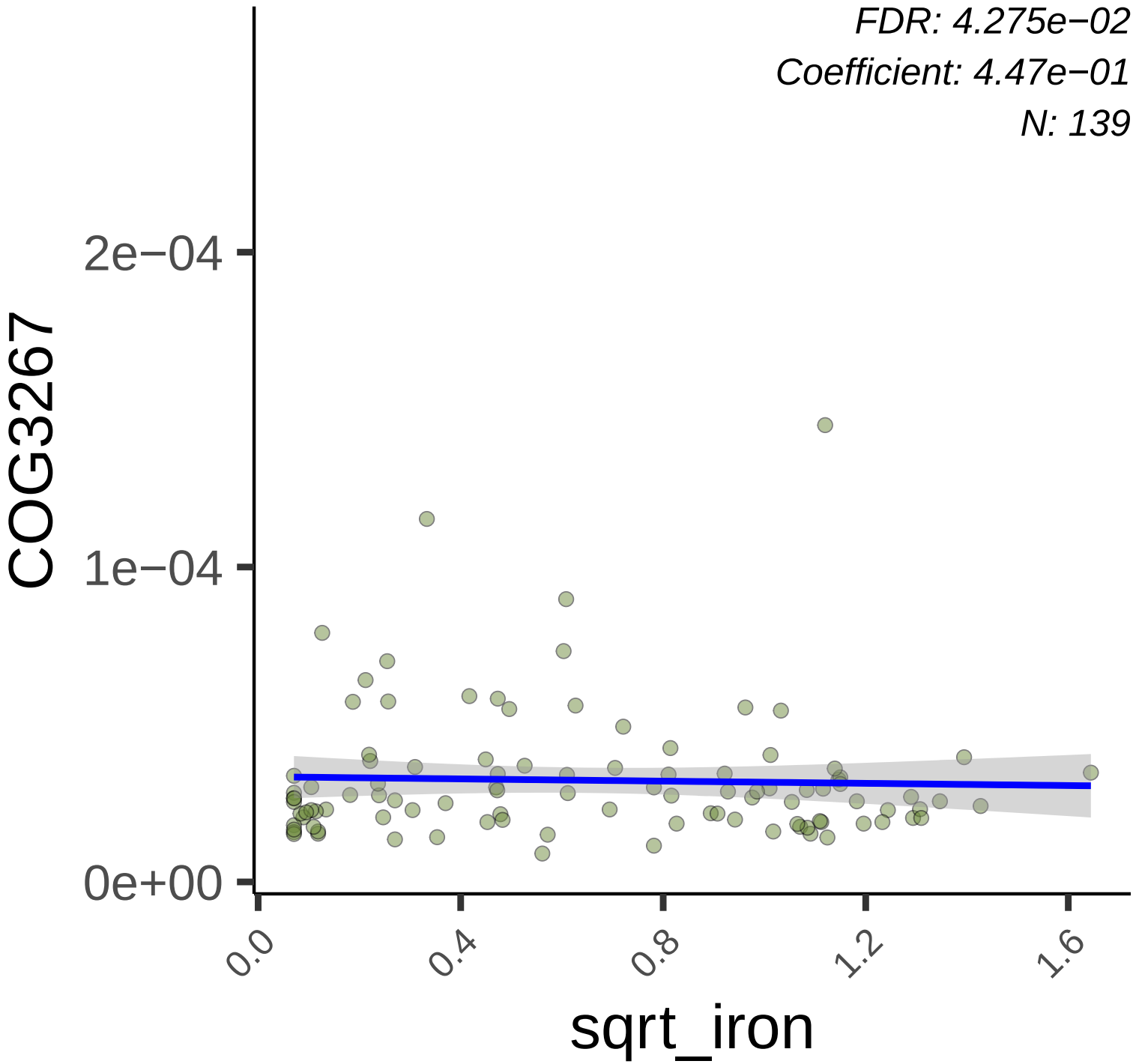
1.2
1.6
sqrt_iron


FDR: 4.275e−02
Coefficient: 4.47e−01
N: 139
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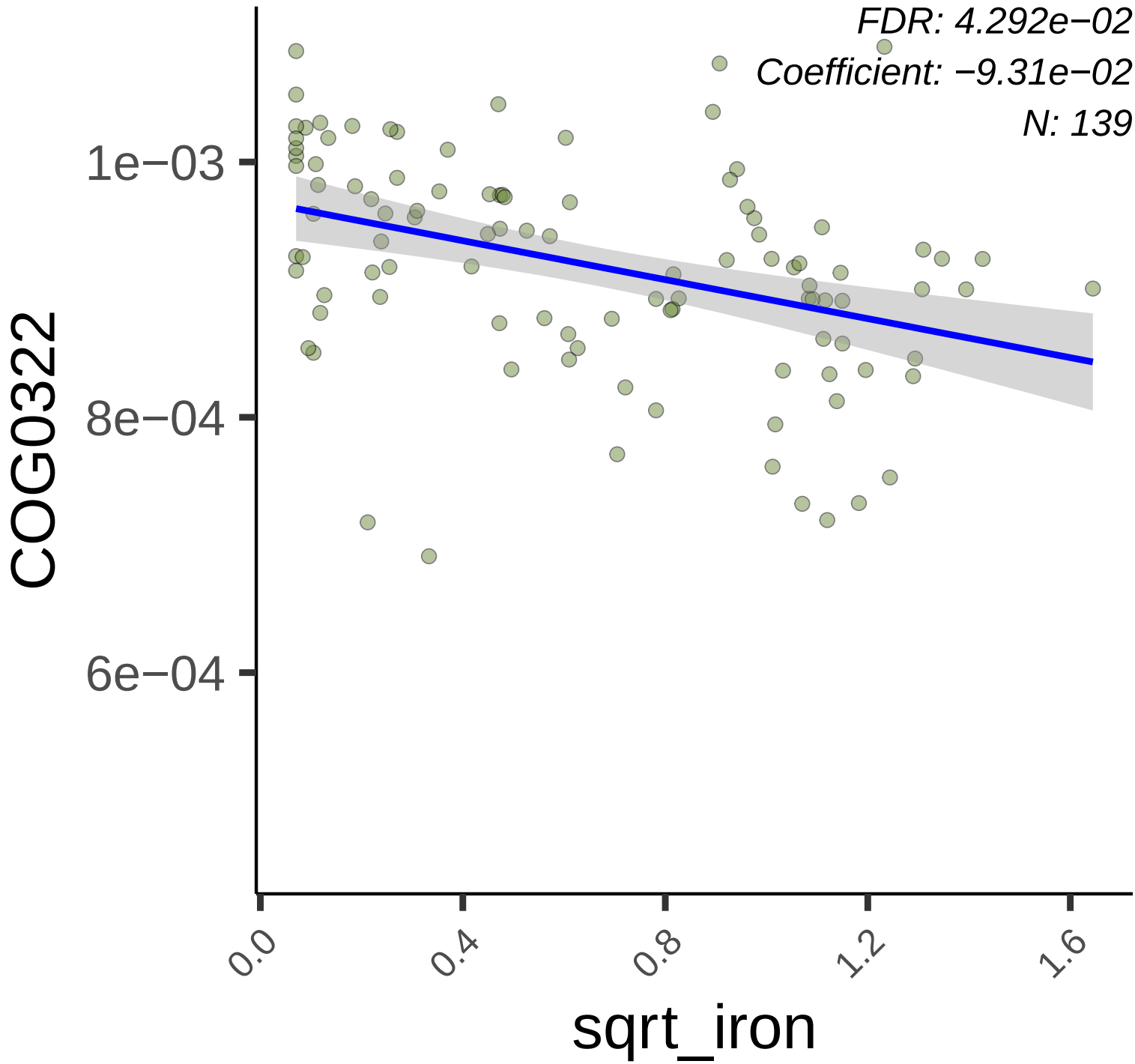
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.292e−02
Coefficient: −9.31e−02
N: 139
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8e−04
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COG0322
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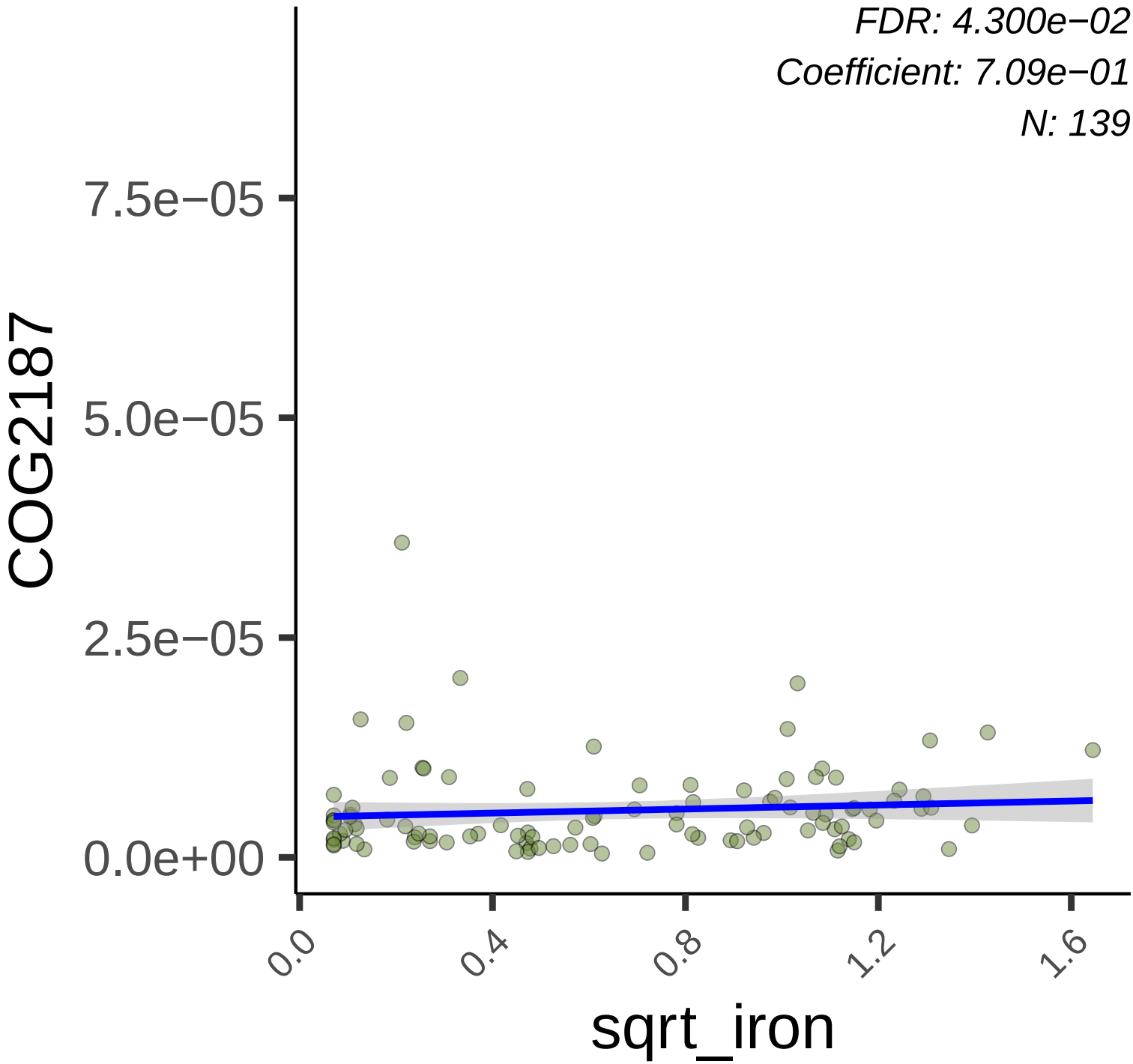
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.300e−02
Coefficient: 7.09e−01
N: 139
COG2187
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2.5e−05
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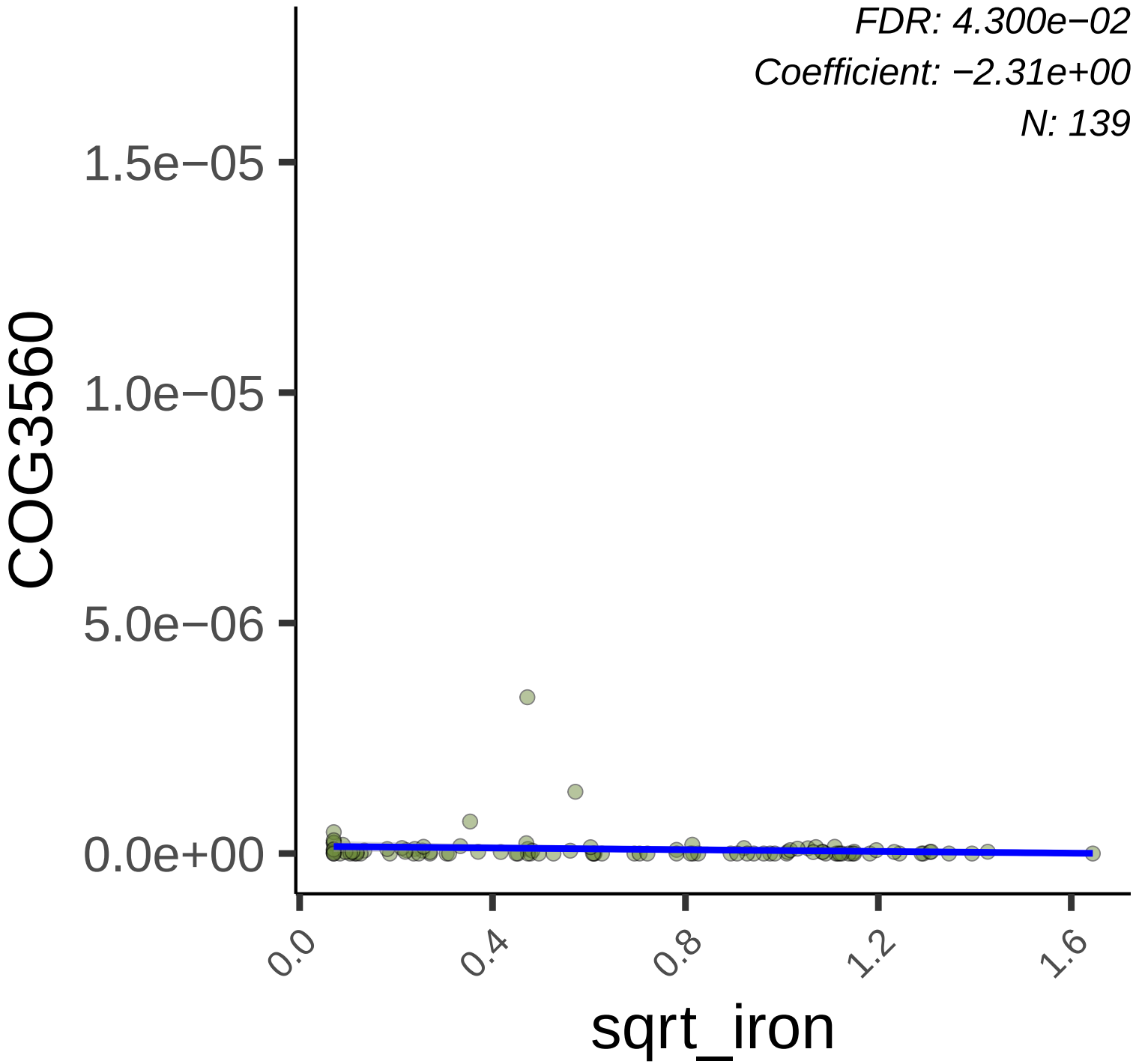
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.300e−02
Coefficient: −2.31e+00
N: 139
COG3560
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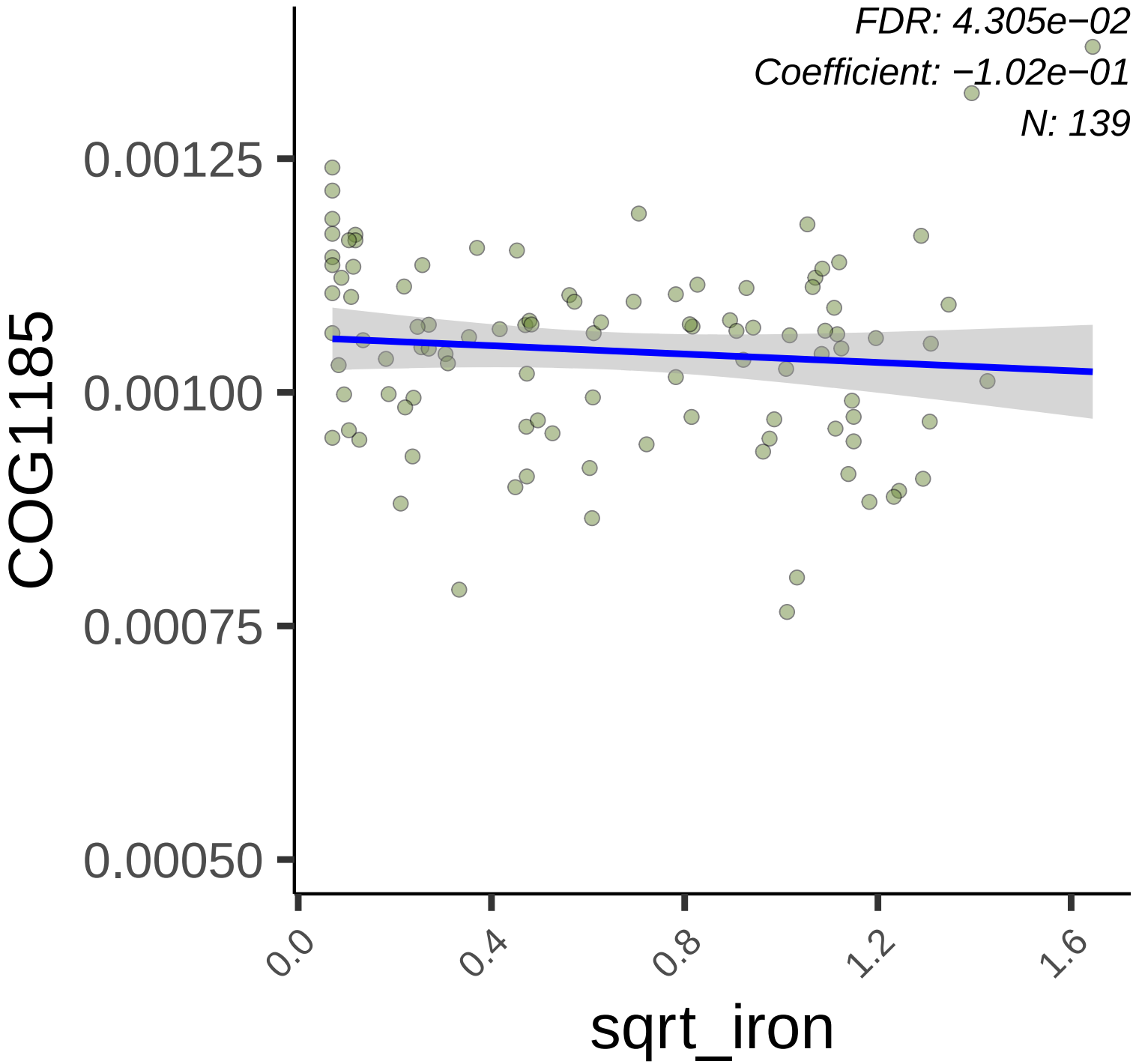
5.0e−06
0.0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.305e−02
Coefficient: −1.02e−01
N: 139
COG1185
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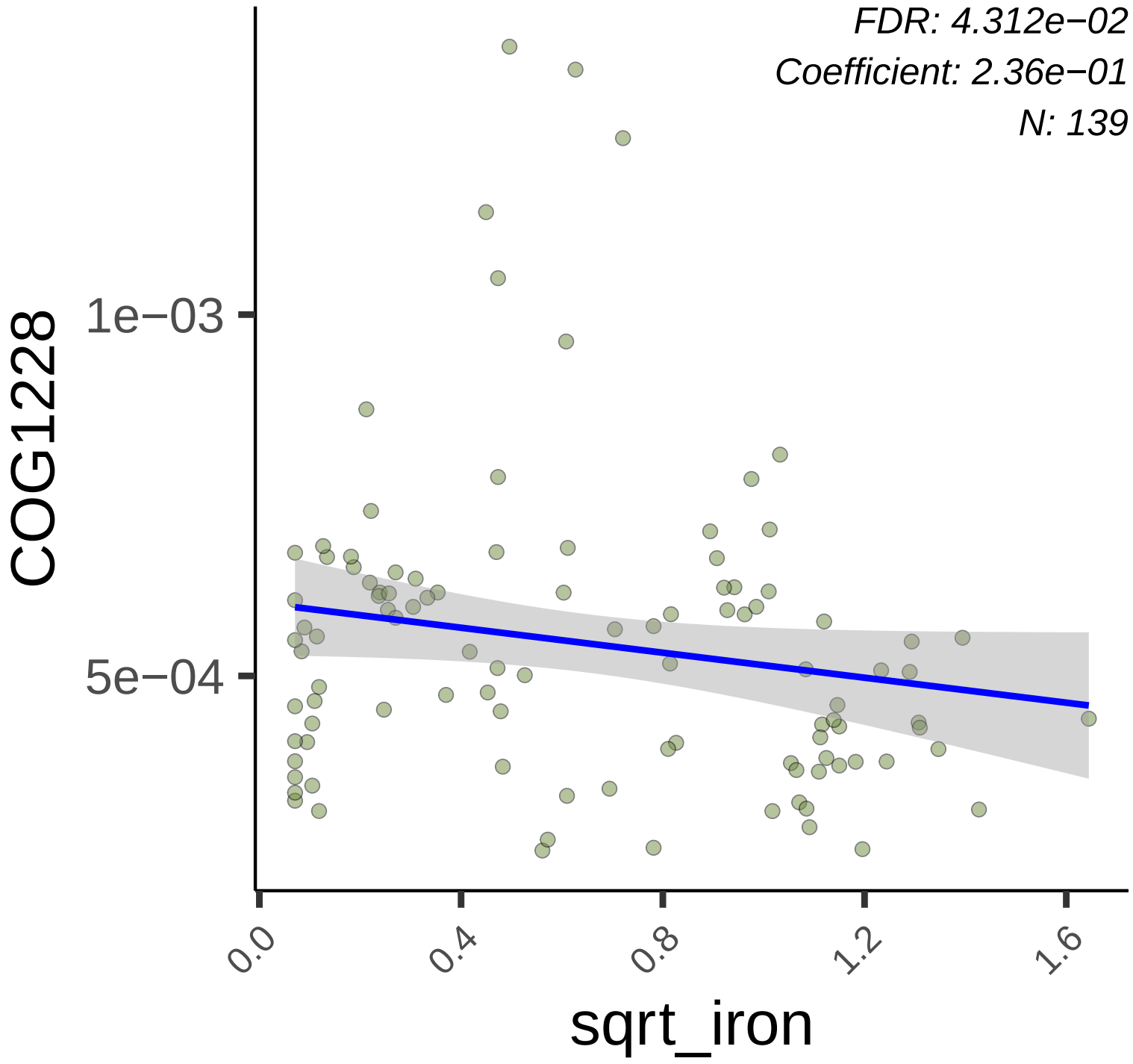
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.312e−02
Coefficient: 2.36e−01
N: 139
COG1228
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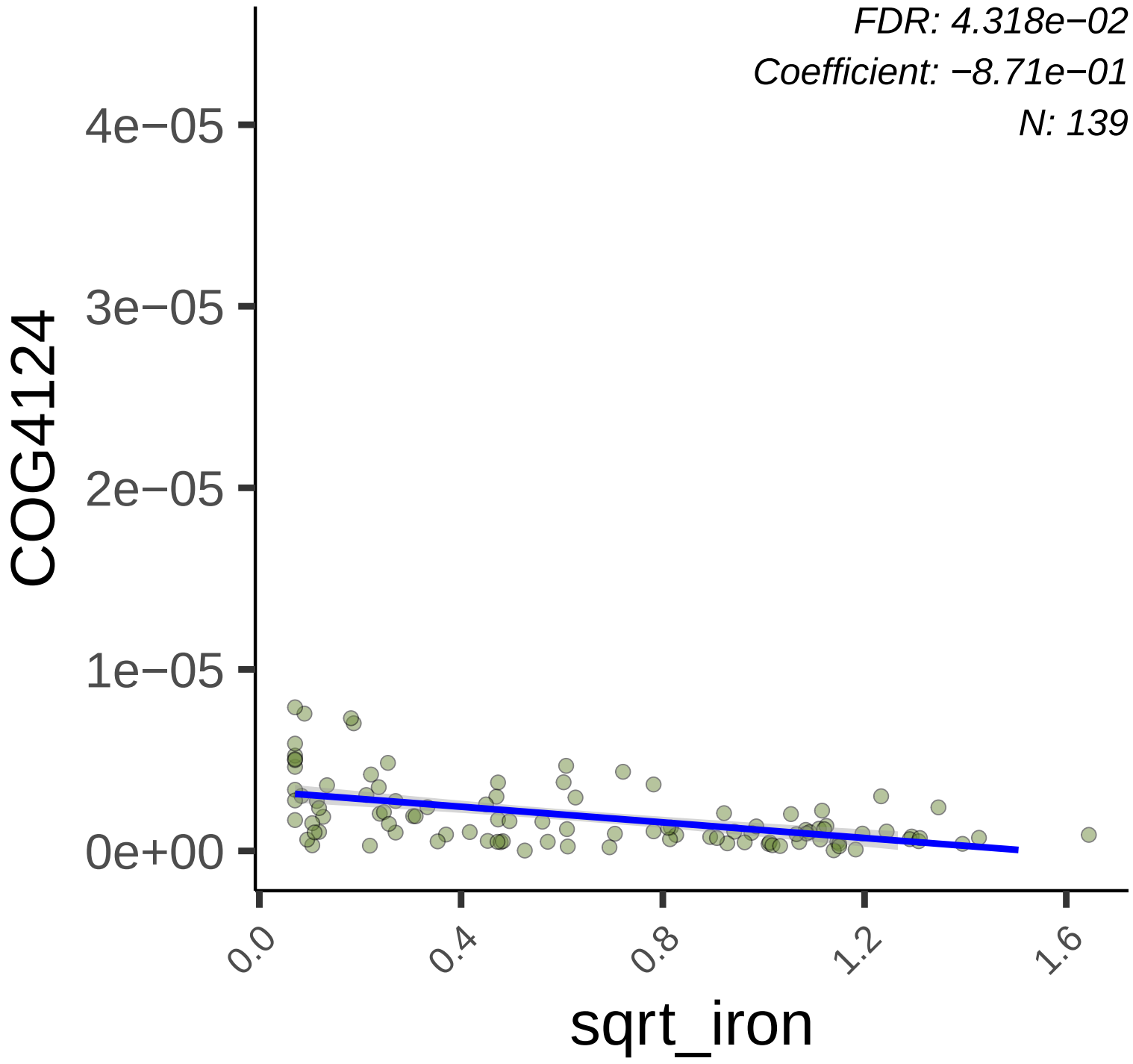
1.6
sqrt_iron


FDR: 4.318e−02
Coefficient: −8.71e−01
N: 139
COG4124
4e−05
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2e−05
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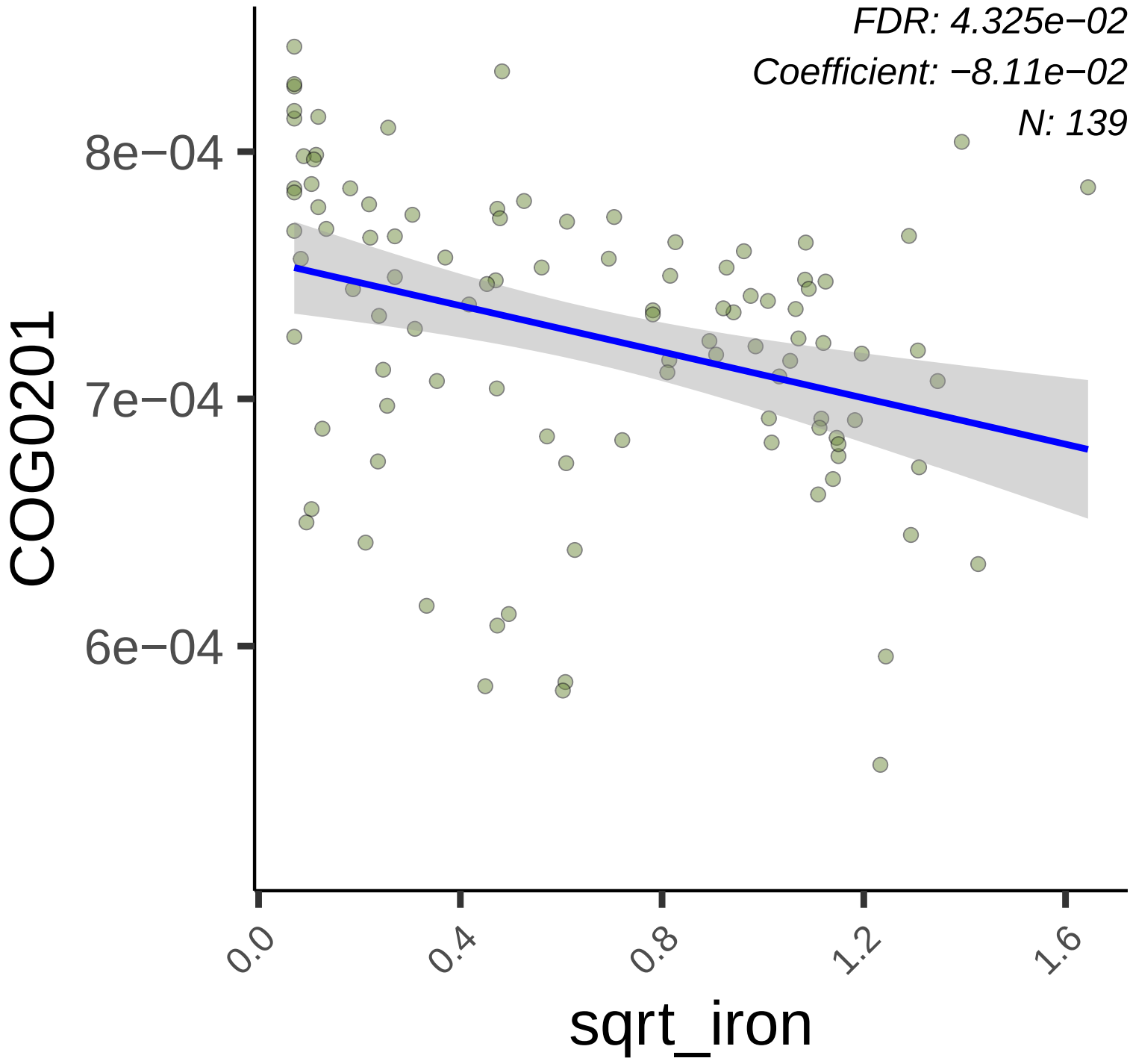
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.325e−02
Coefficient: −8.11e−02
N: 139
8e−04
7e−04
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COG0201
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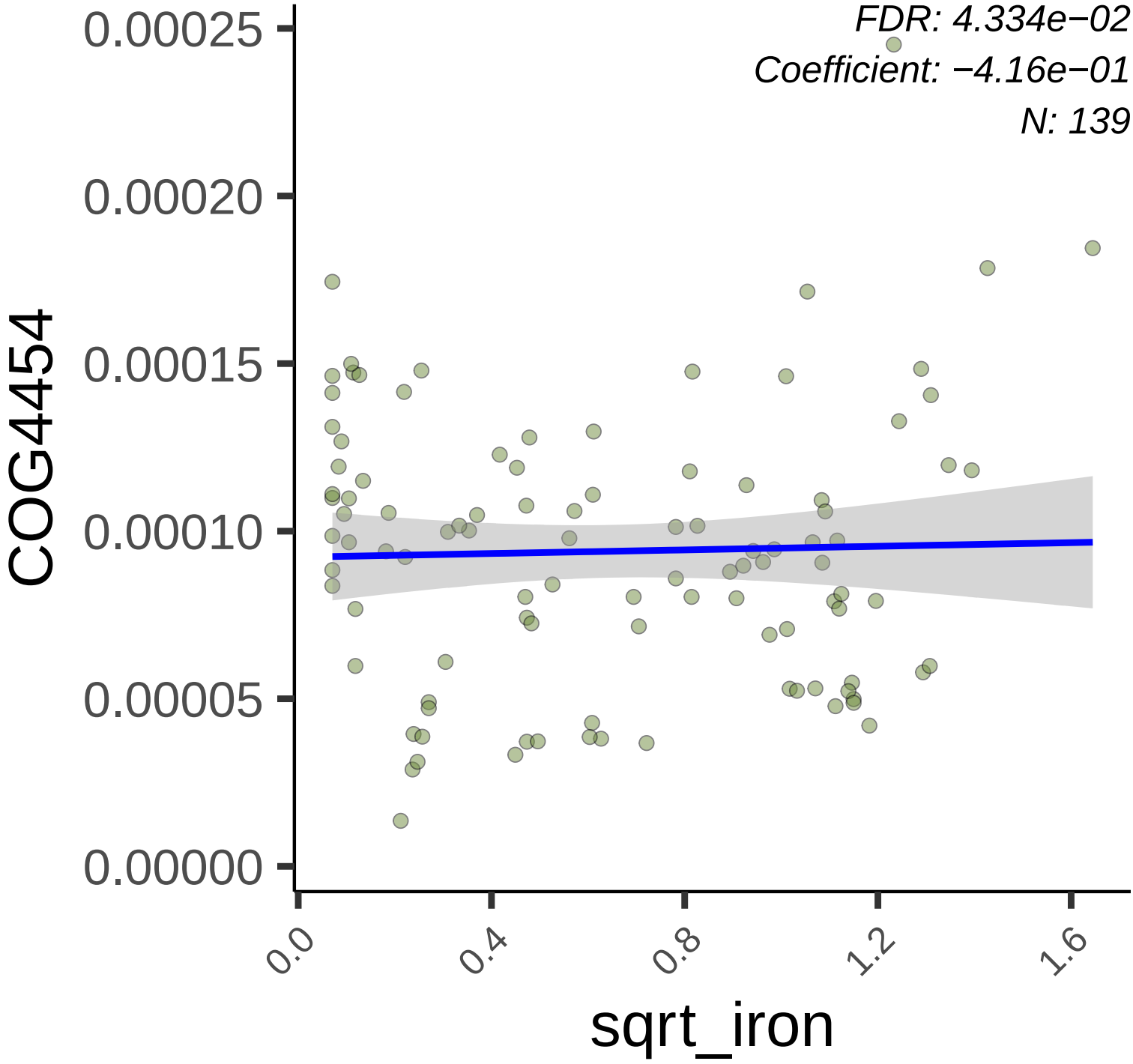
1.2
1.6
sqrt_iron


FDR: 4.334e−02
Coefficient: −4.16e−01
N: 139
COG4454
0.00025
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0.0
0.4
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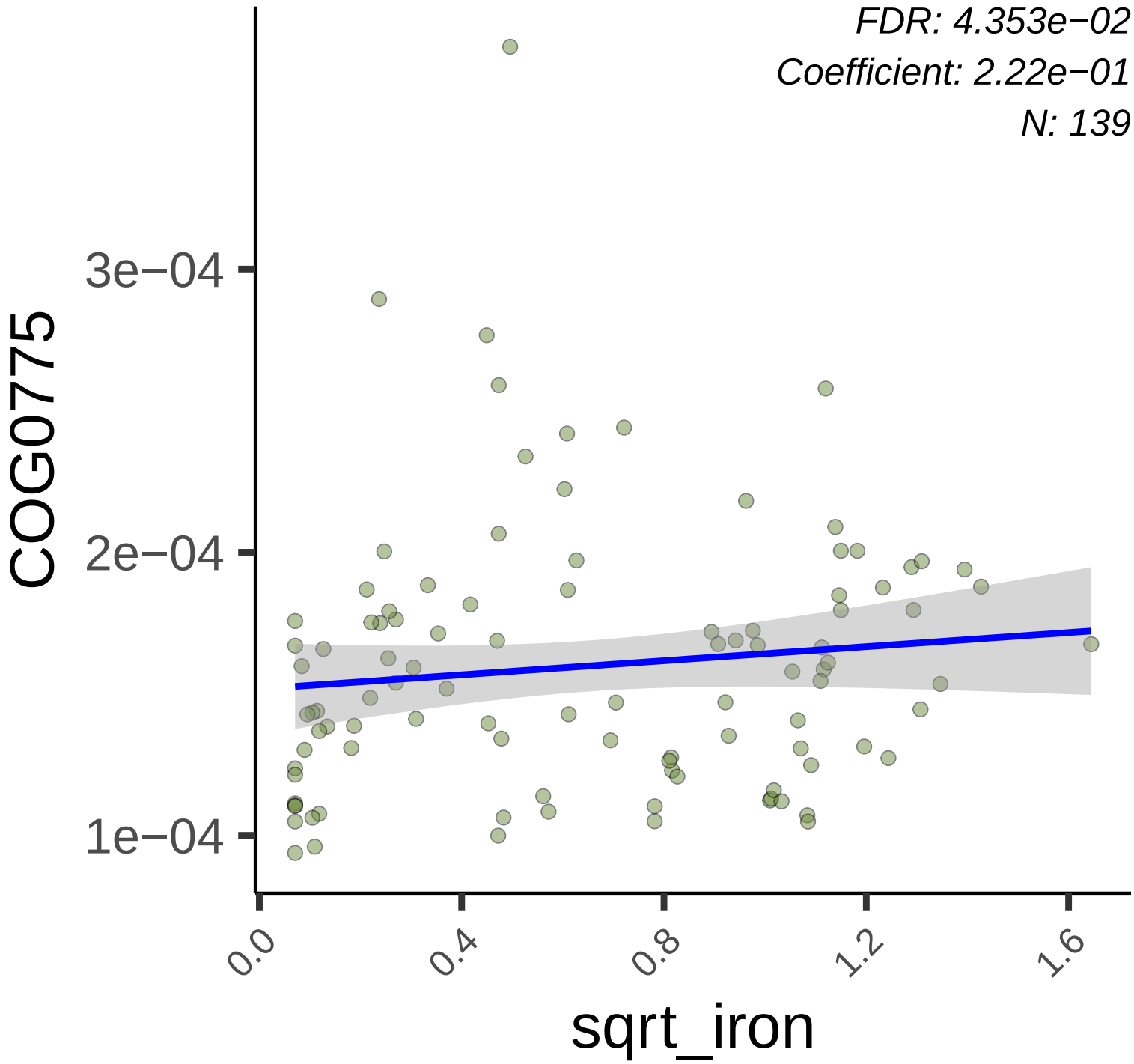
1.2
1.6
sqrt_iron


FDR: 4.353e−02
Coefficient: 2.22e−01
N: 139
COG0775
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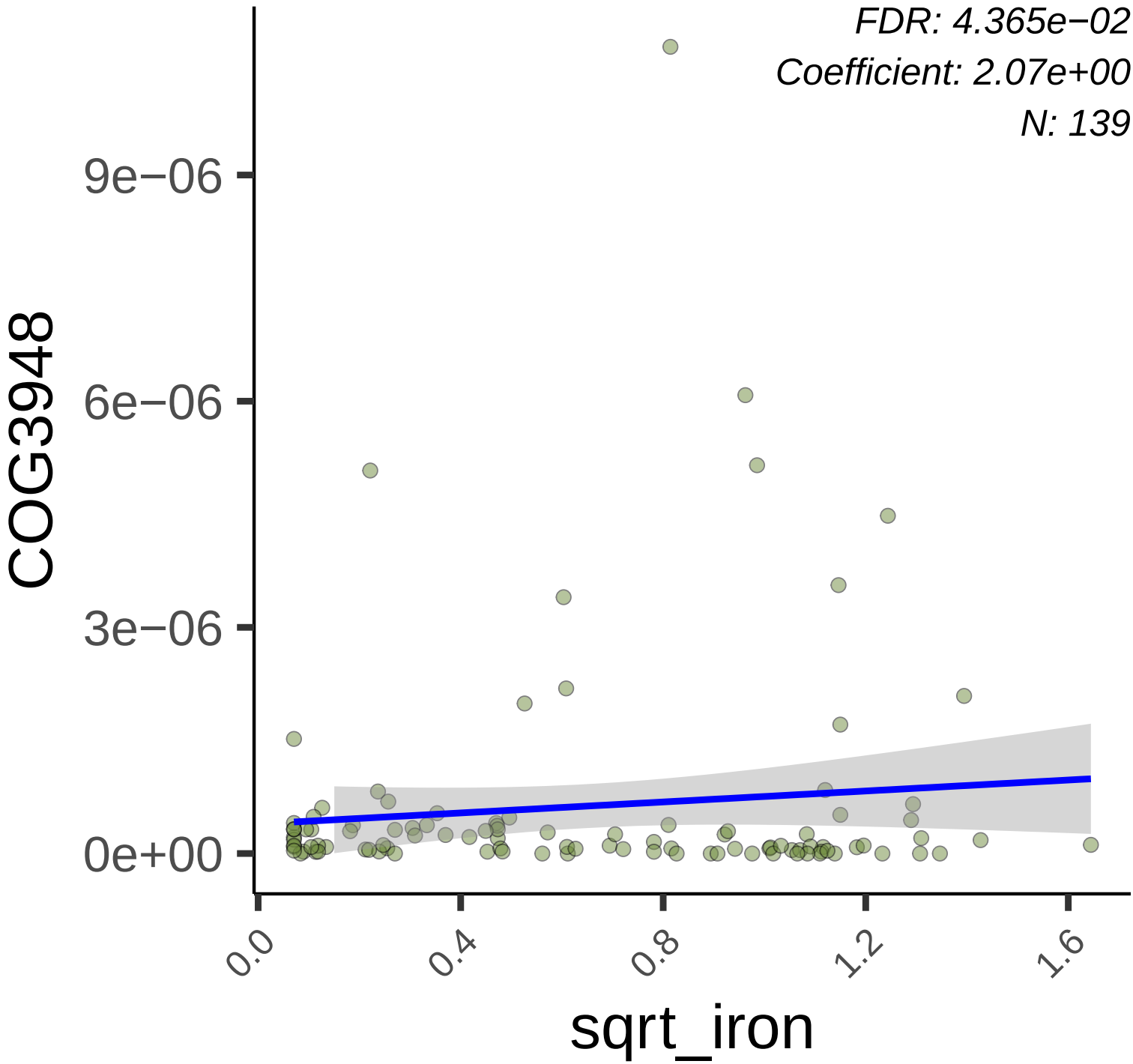
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.365e−02
Coefficient: 2.07e+00
N: 139
COG3948
9e−06
6e−06
3e−06
0e+00
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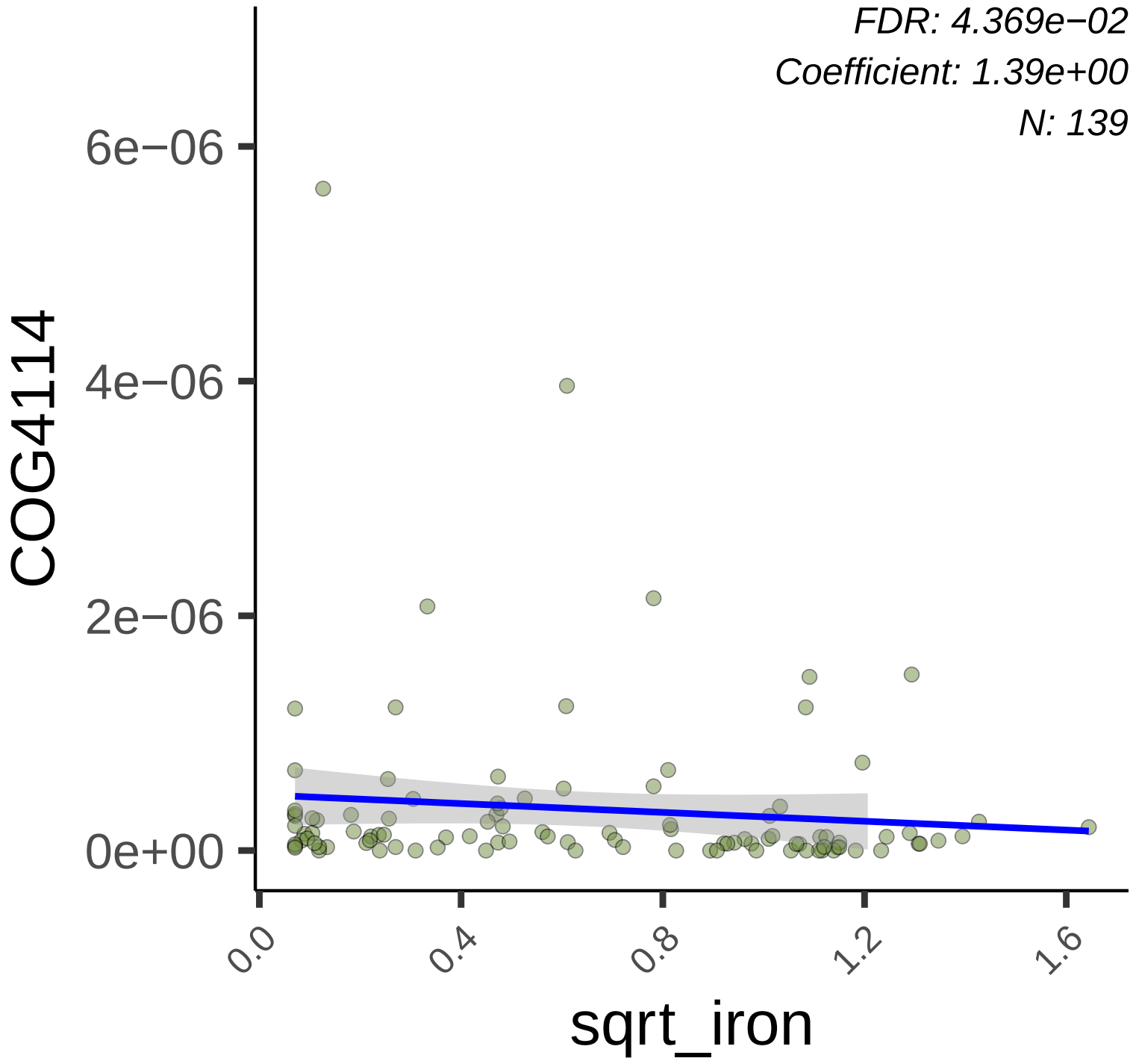
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.369e−02
Coefficient: 1.39e+00
N: 139
COG4114
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4e−06
2e−06
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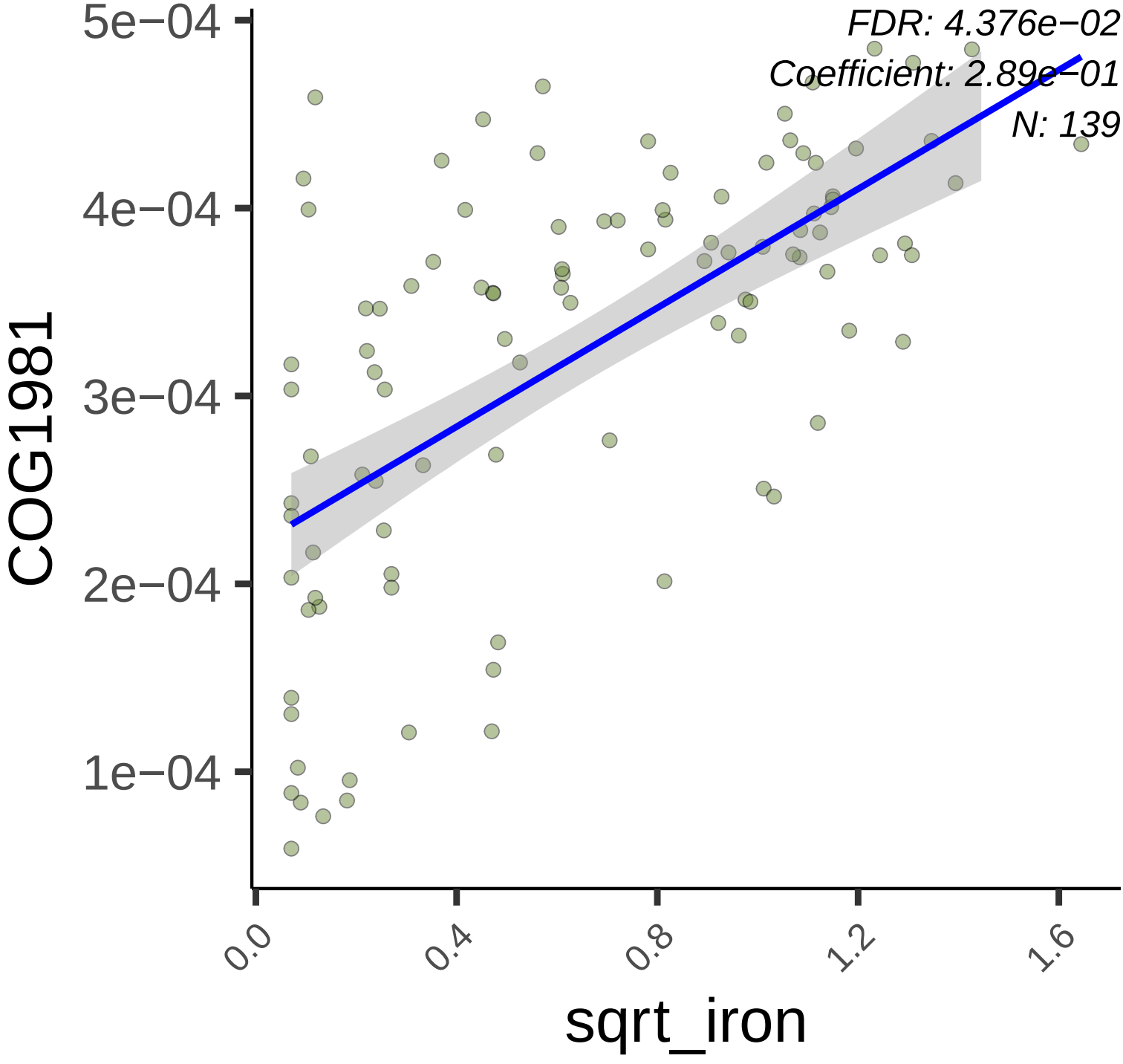
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.376e−02
Coefficient: 2.89e−01
N: 139
5e−04
4e−04
3e−04
2e−04
1e−04
COG1981
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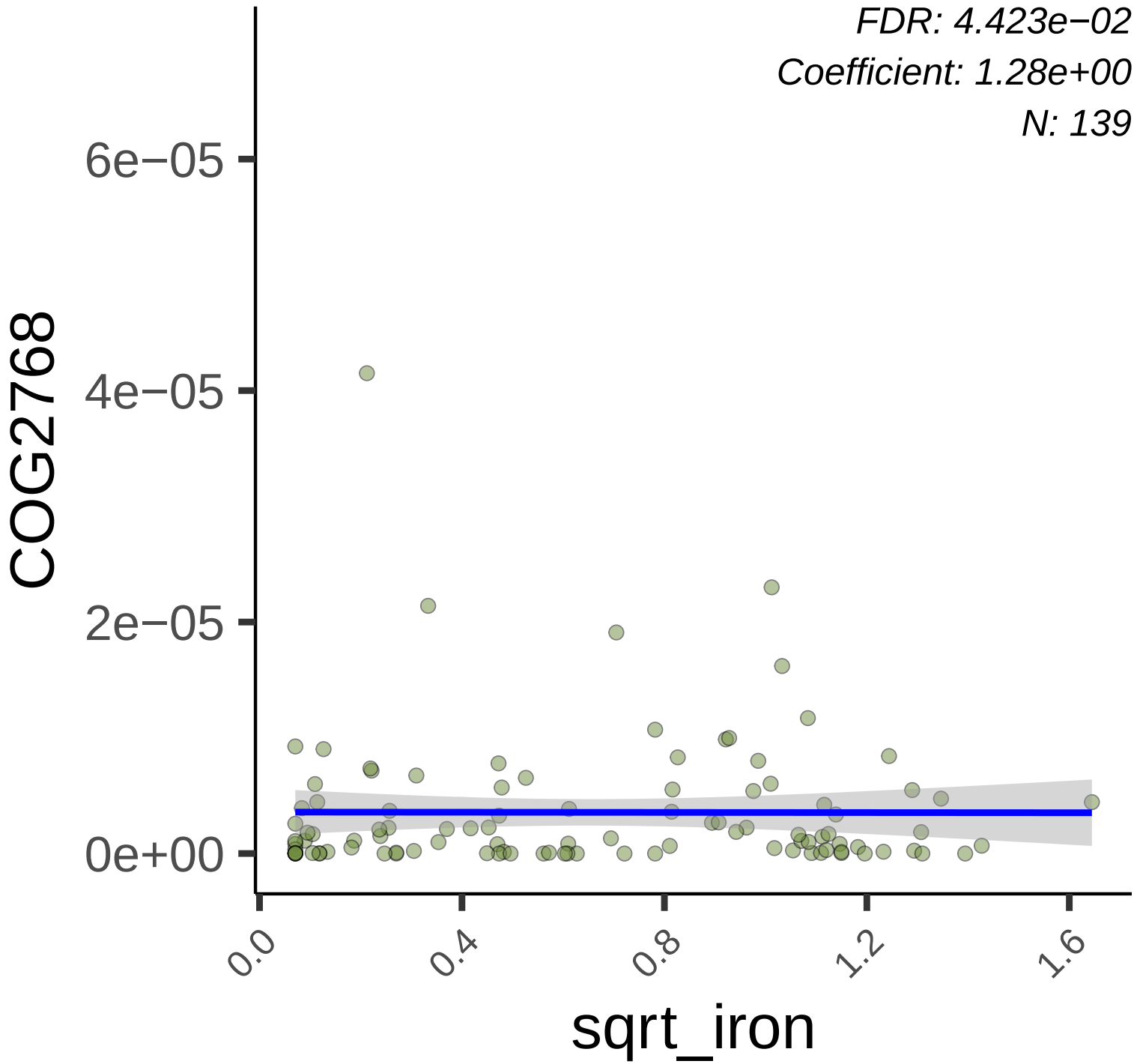
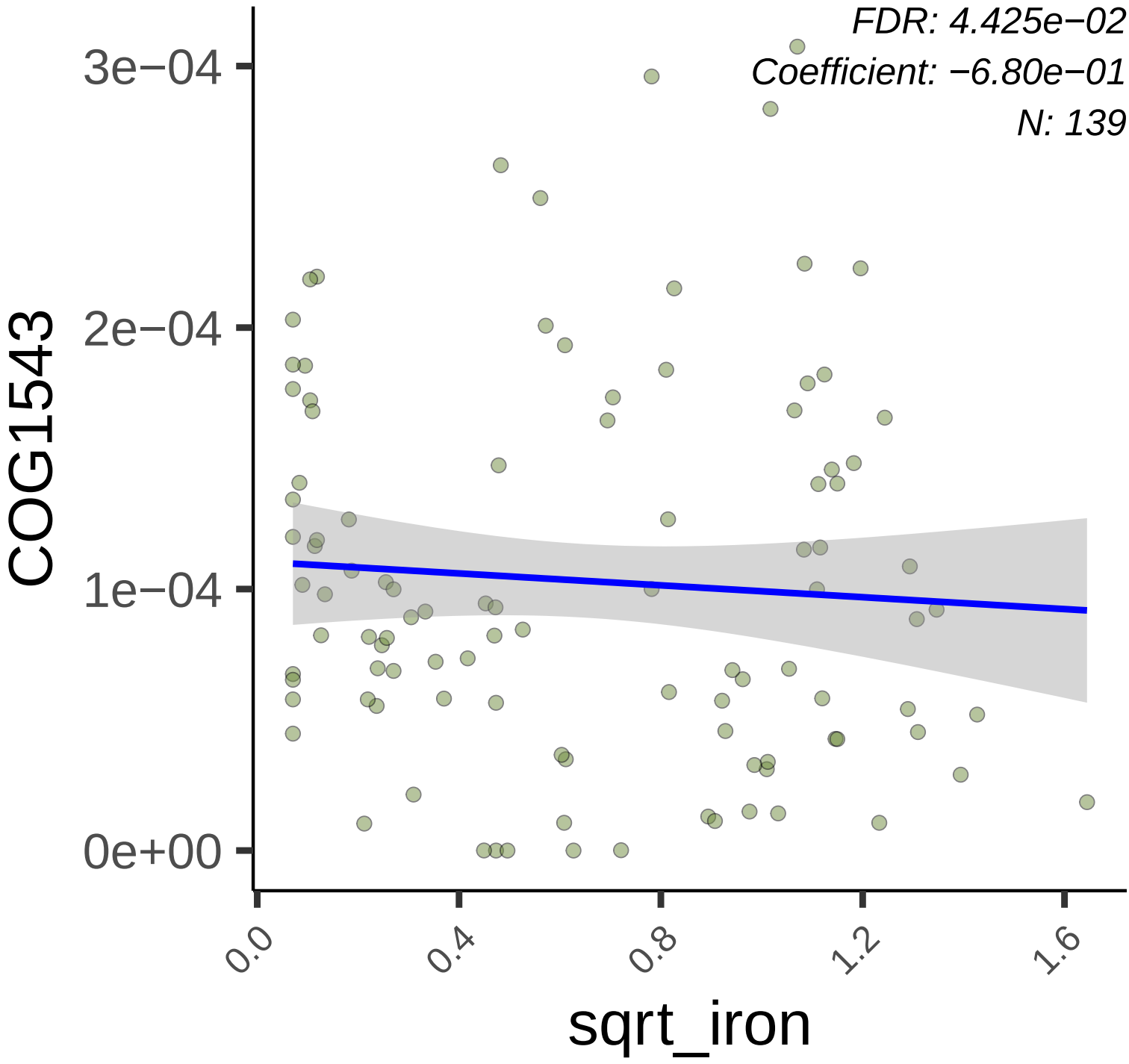
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.423e−02
Coefficient: 1.28e+00
N: 139
COG2768
6e−05
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.425e−02
Coefficient: −6.80e−01
N: 139
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2e−04
1e−04
0e+00
COG1543
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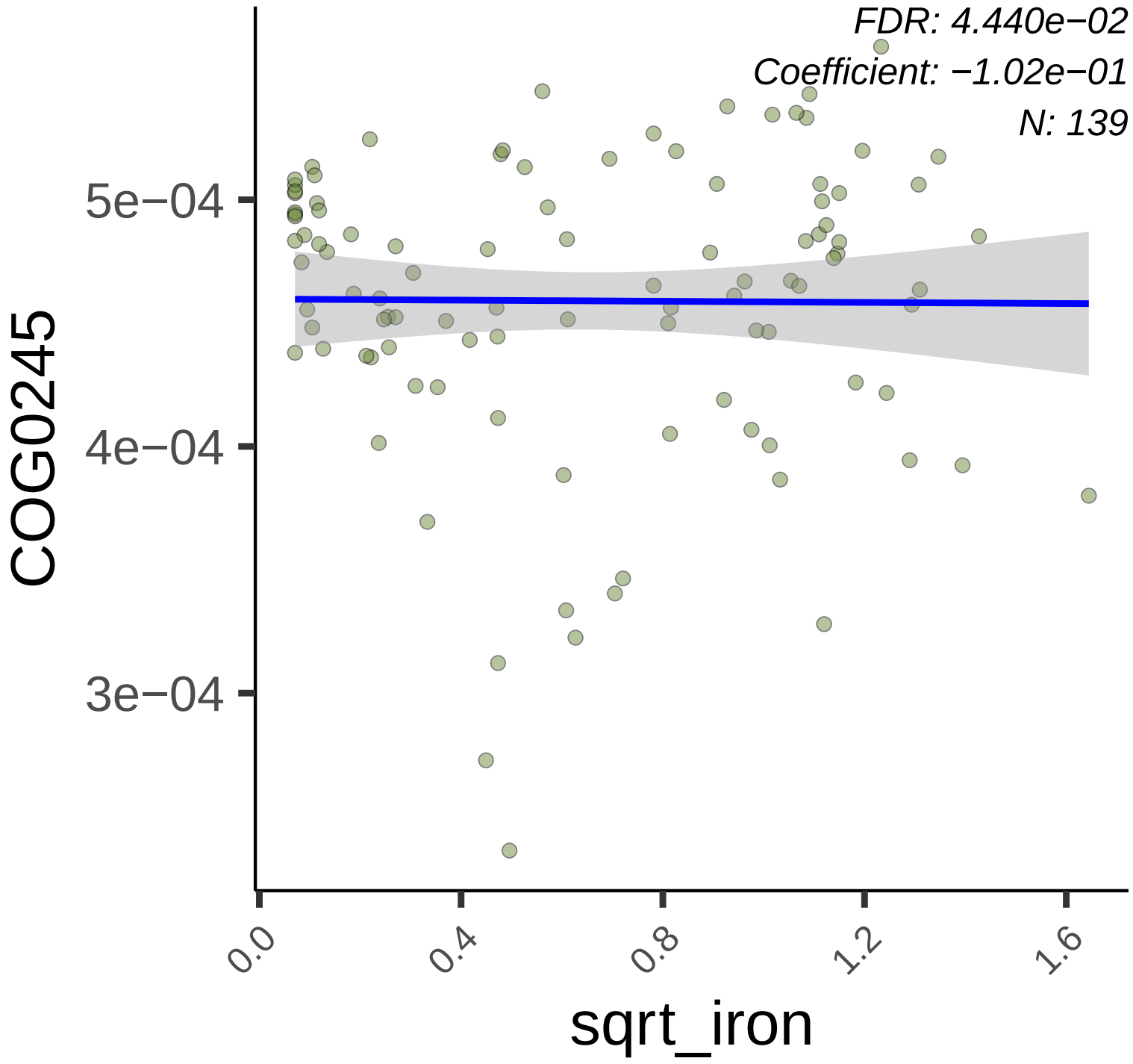
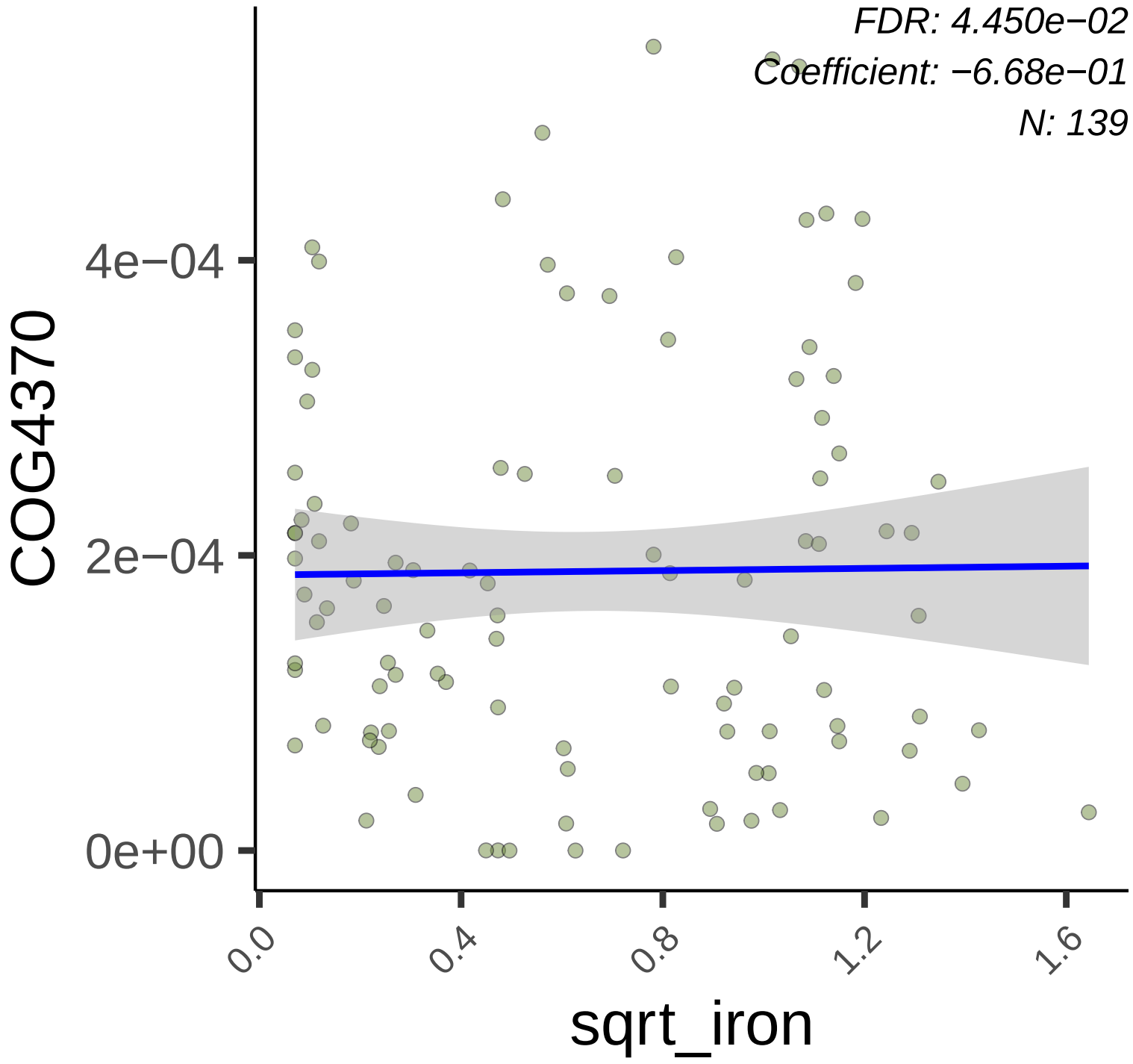
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.440e−02
Coefficient: −1.02e−01
N: 139
COG0245
5e−04
4e−04
3e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.450e−02
Coefficient: −6.68e−01
N: 139
COG4370
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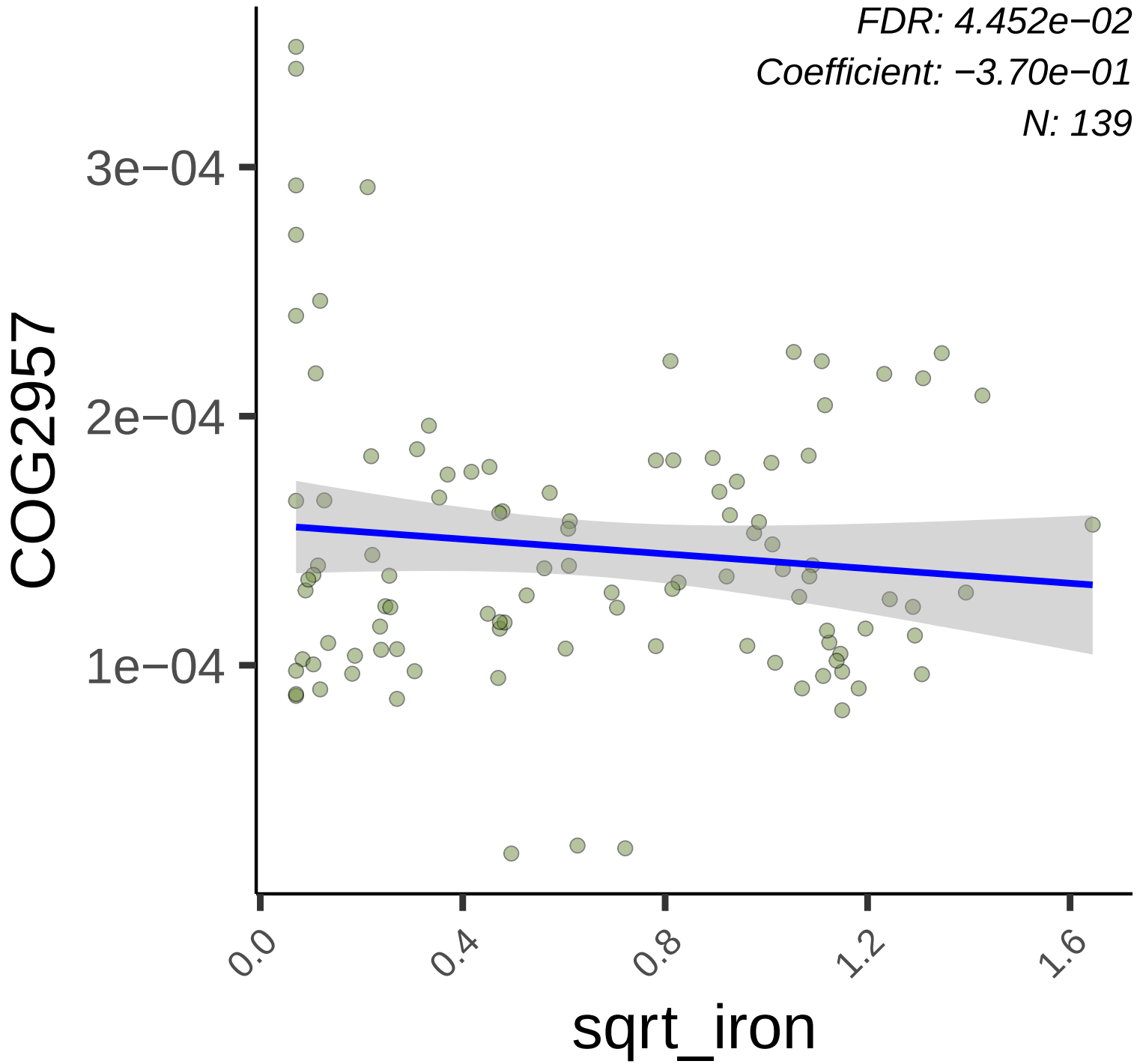
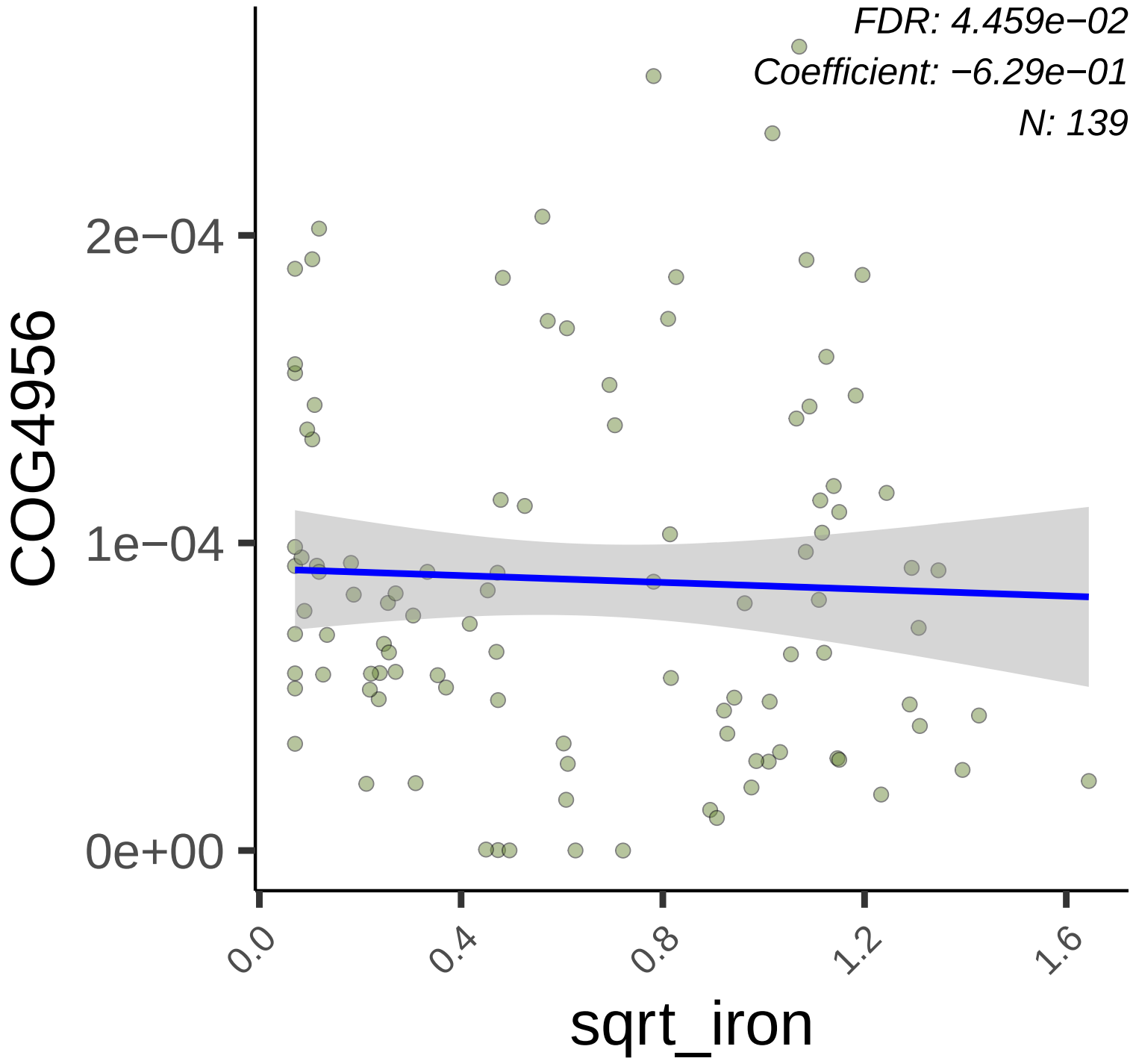
2e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.452e−02
Coefficient: −3.70e−01
N: 139
COG2957
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.459e−02
Coefficient: −6.29e−01
N: 139
COG4956
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1e−04
0e+00
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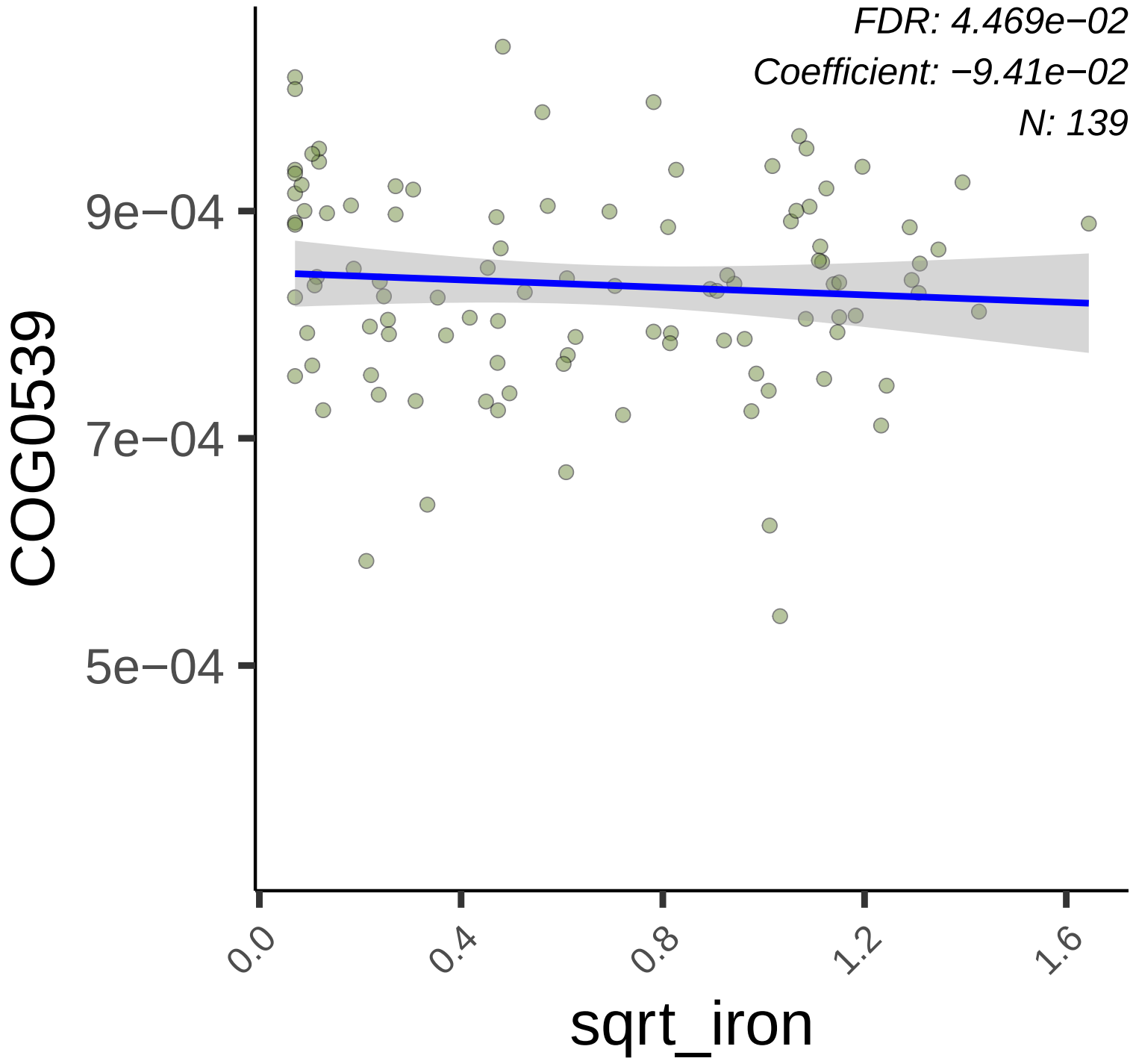
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.469e−02
Coefficient: −9.41e−02
N: 139
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9e−04
7e−04
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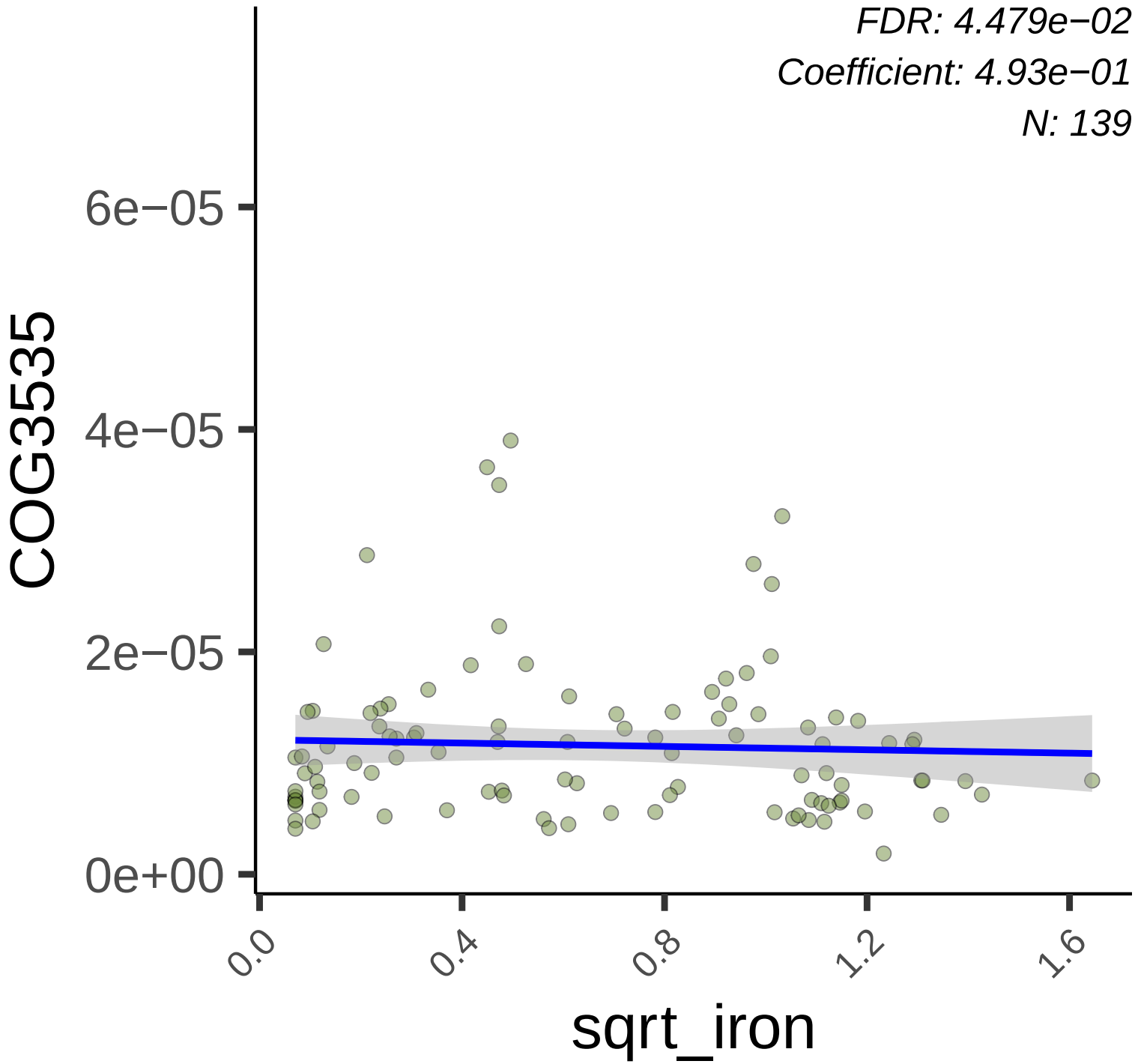
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.479e−02
Coefficient: 4.93e−01
N: 139
COG3535
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4e−05
2e−05
0e+00
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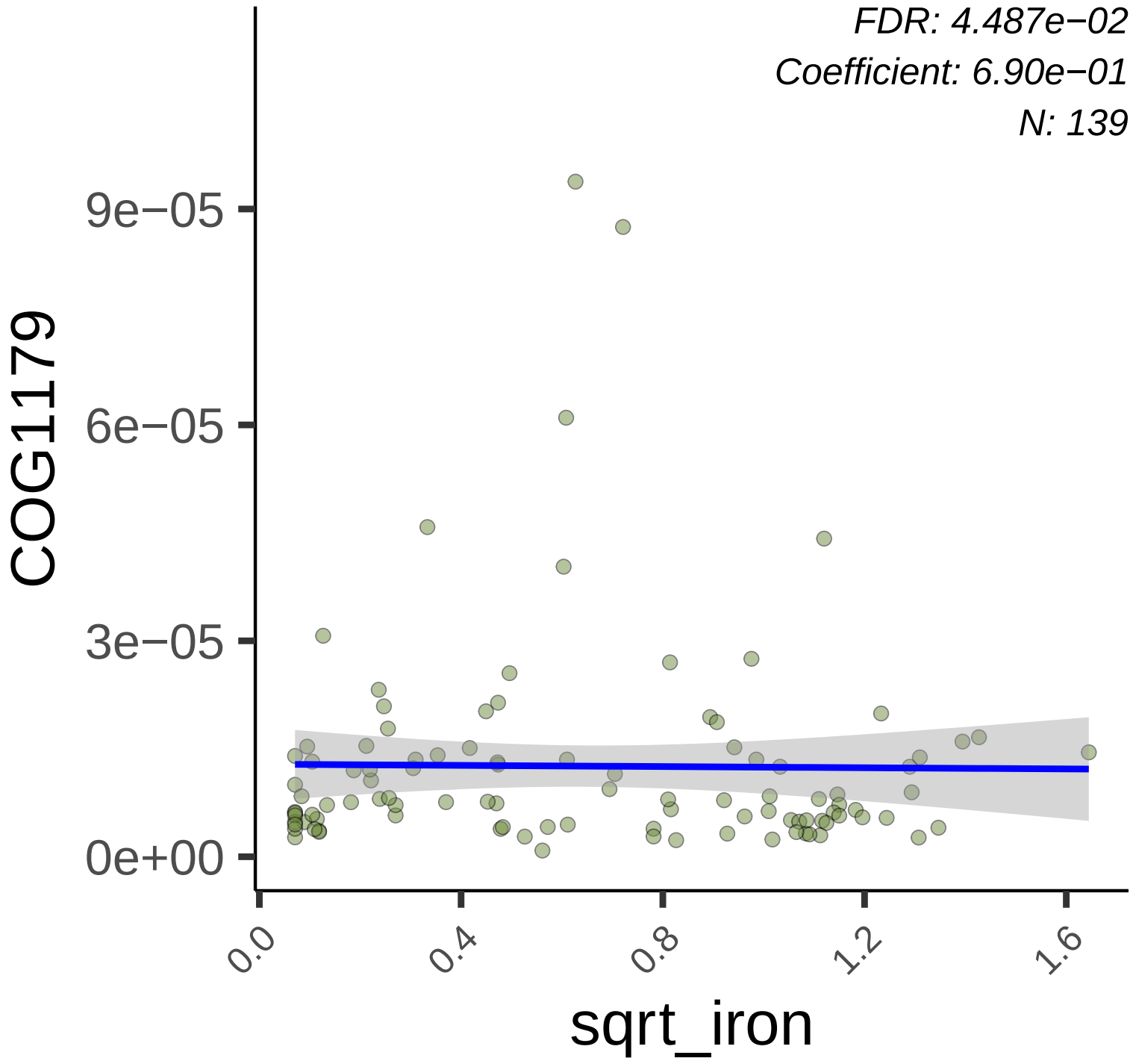
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.487e−02
Coefficient: 6.90e−01
N: 139
COG1179
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6e−05
3e−05
0e+00
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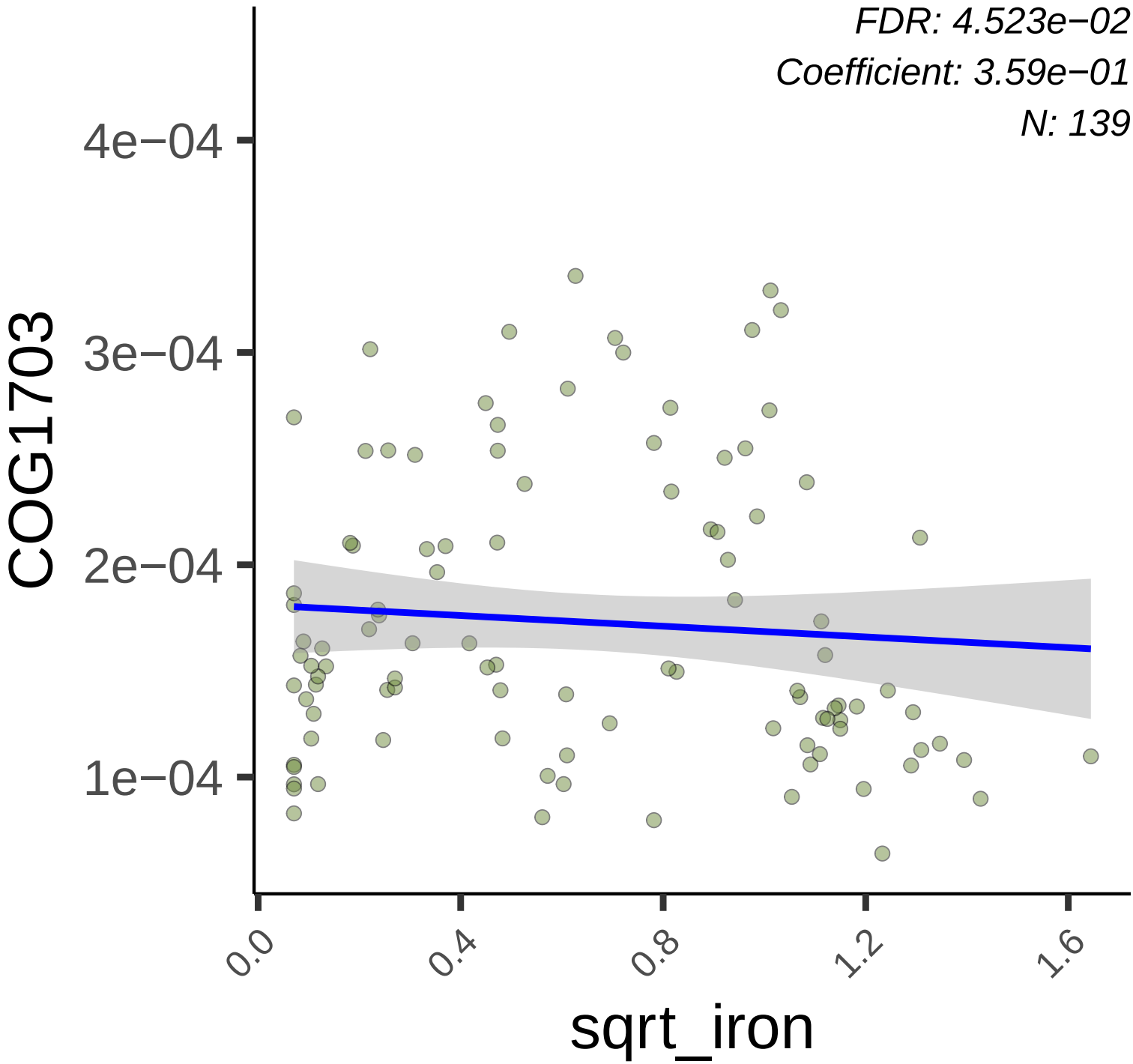
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.523e−02
Coefficient: 3.59e−01
N: 139
COG1703
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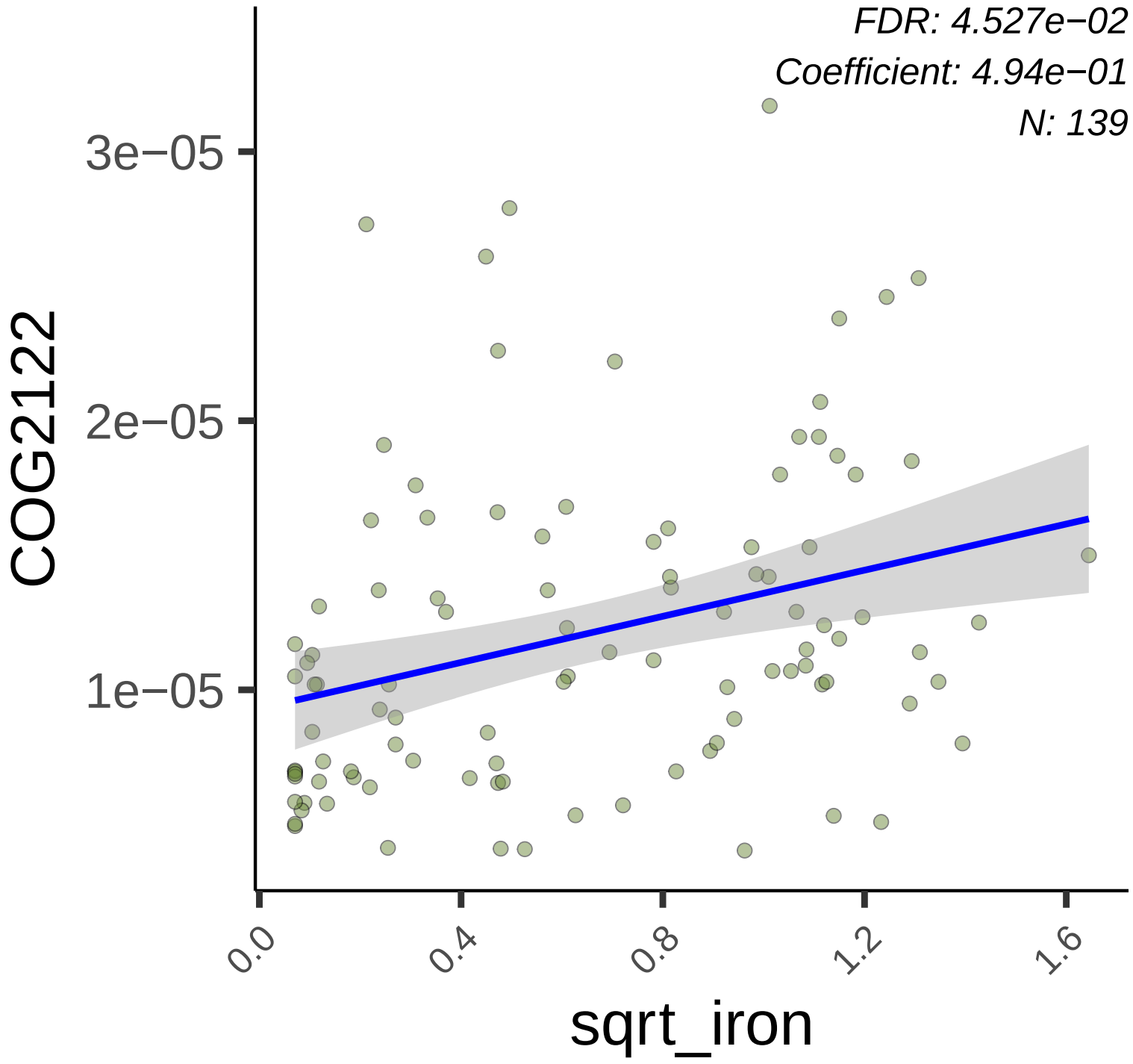
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.527e−02
Coefficient: 4.94e−01
N: 139
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2e−05
1e−05
COG2122
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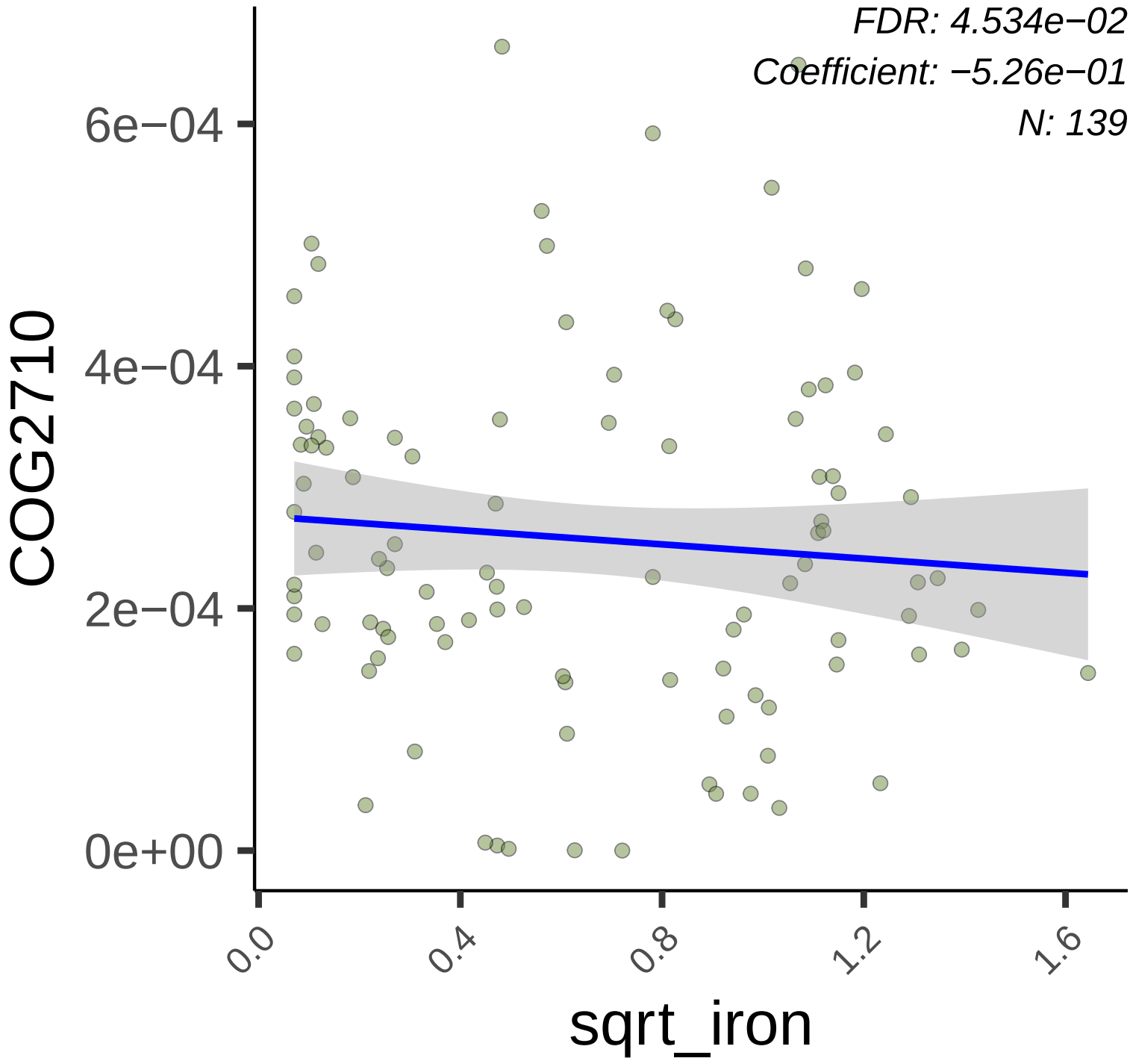
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.534e−02
Coefficient: −5.26e−01
N: 139
COG2710
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4e−04
2e−04
0e+00
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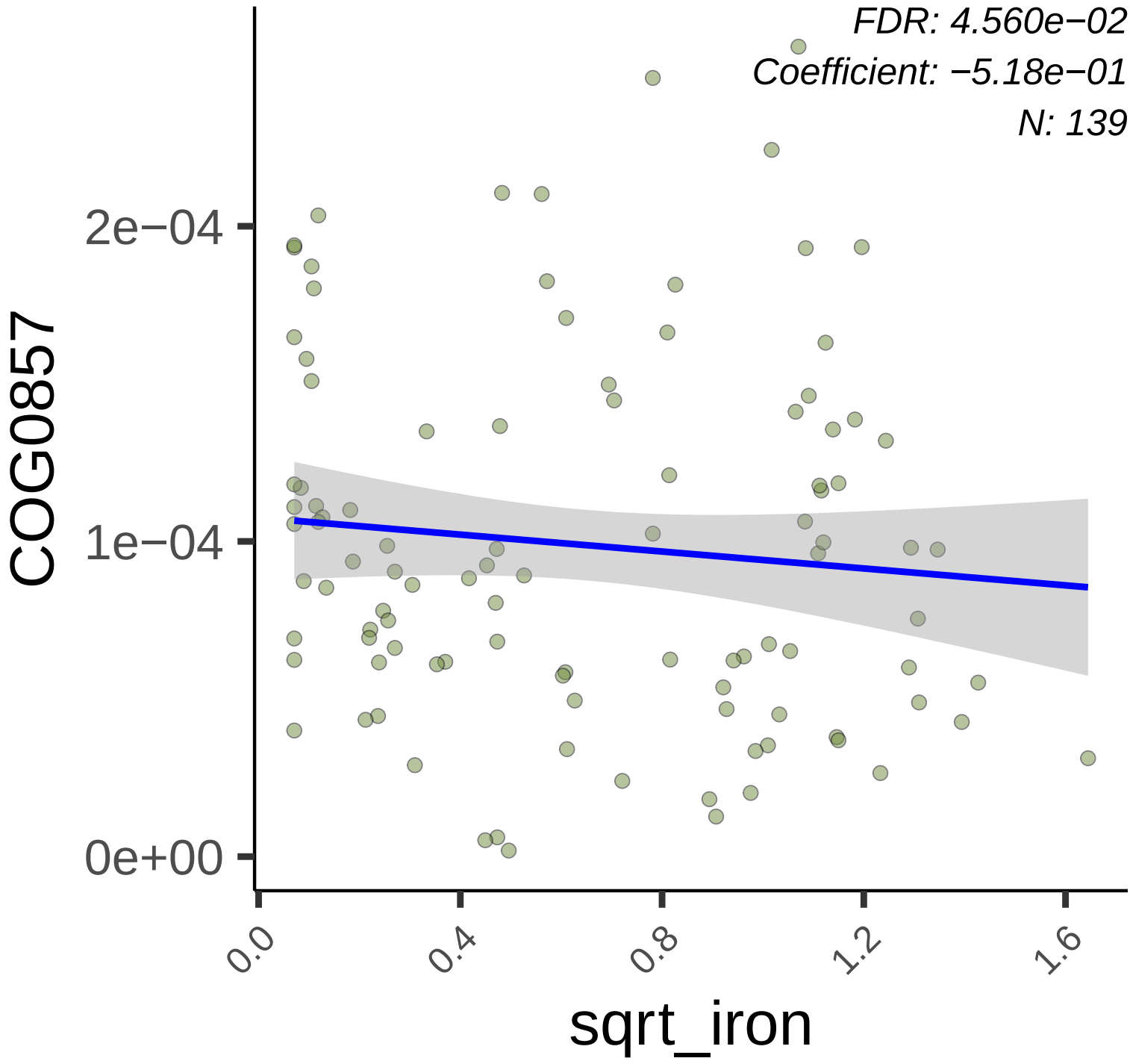
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.560e−02
Coefficient: −5.18e−01
N: 139
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1e−04
0e+00
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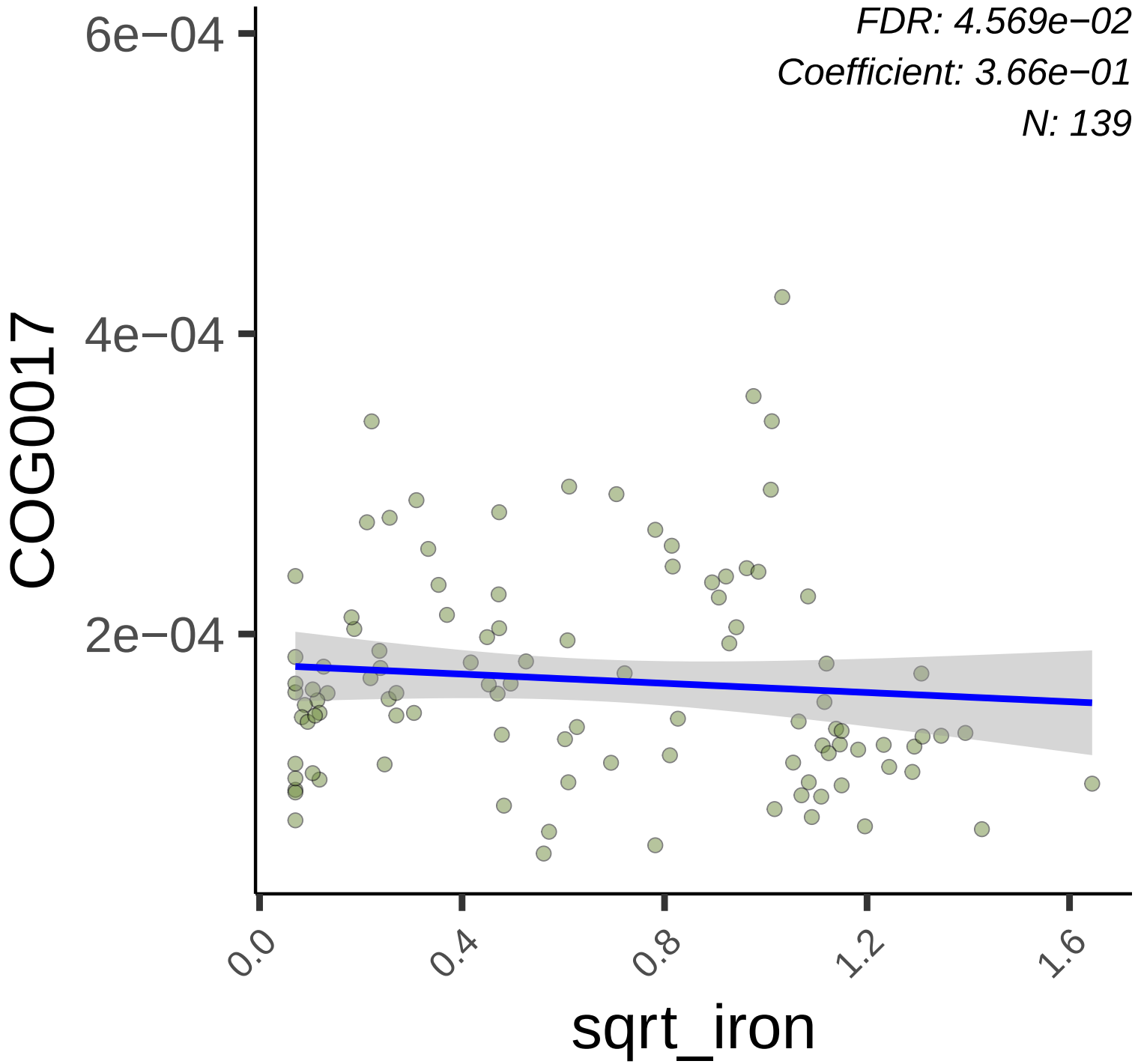
0.8
1.2
1.6
sqrt_iron


FDR: 4.569e−02
Coefficient: 3.66e−01
N: 139
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4e−04
2e−04
COG0017
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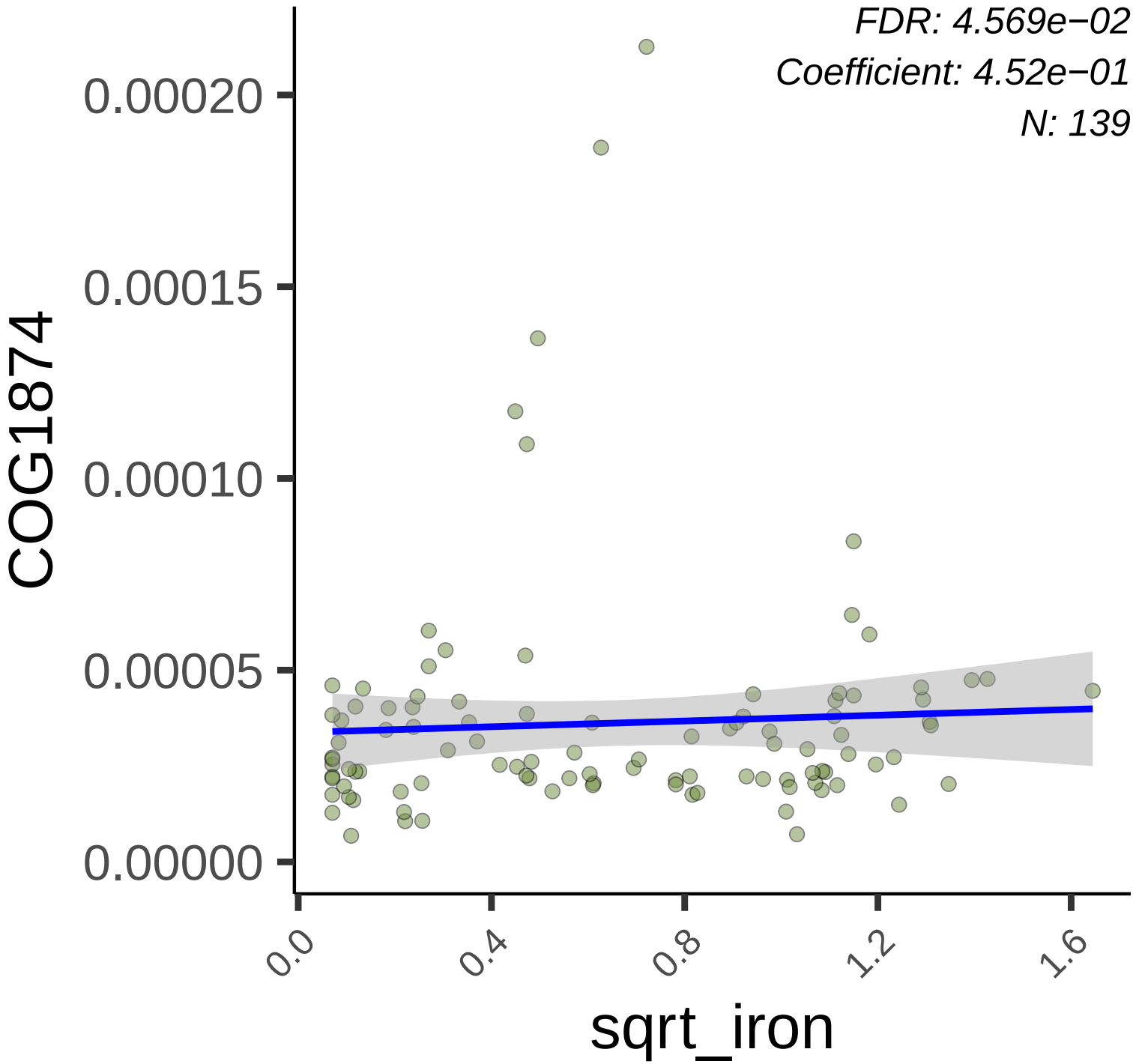
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.569e−02
Coefficient: 4.52e−01
N: 139
COG1874
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0.4
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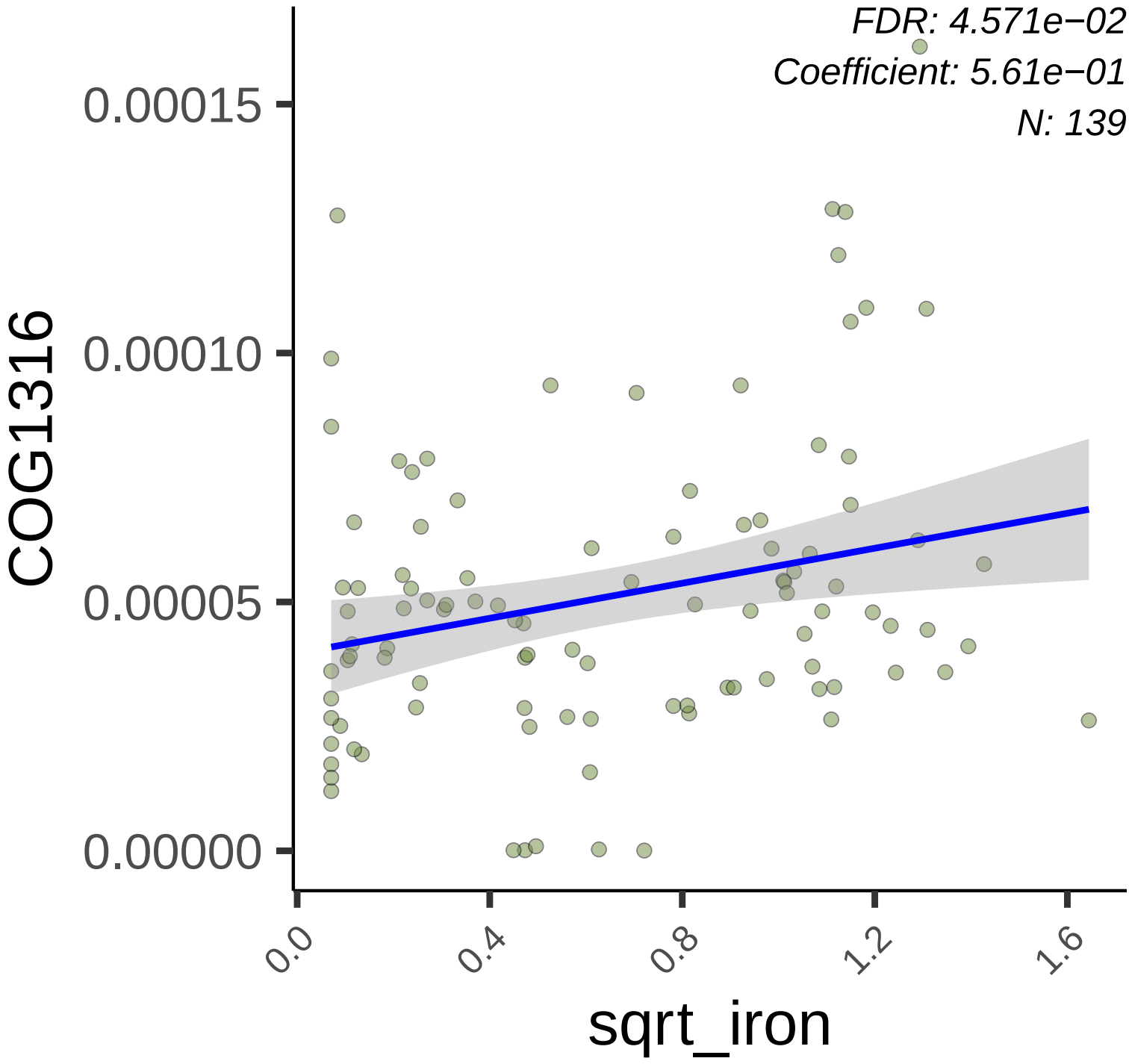
1.6
sqrt_iron


FDR: 4.571e−02
Coefficient: 5.61e−01
N: 139
COG1316
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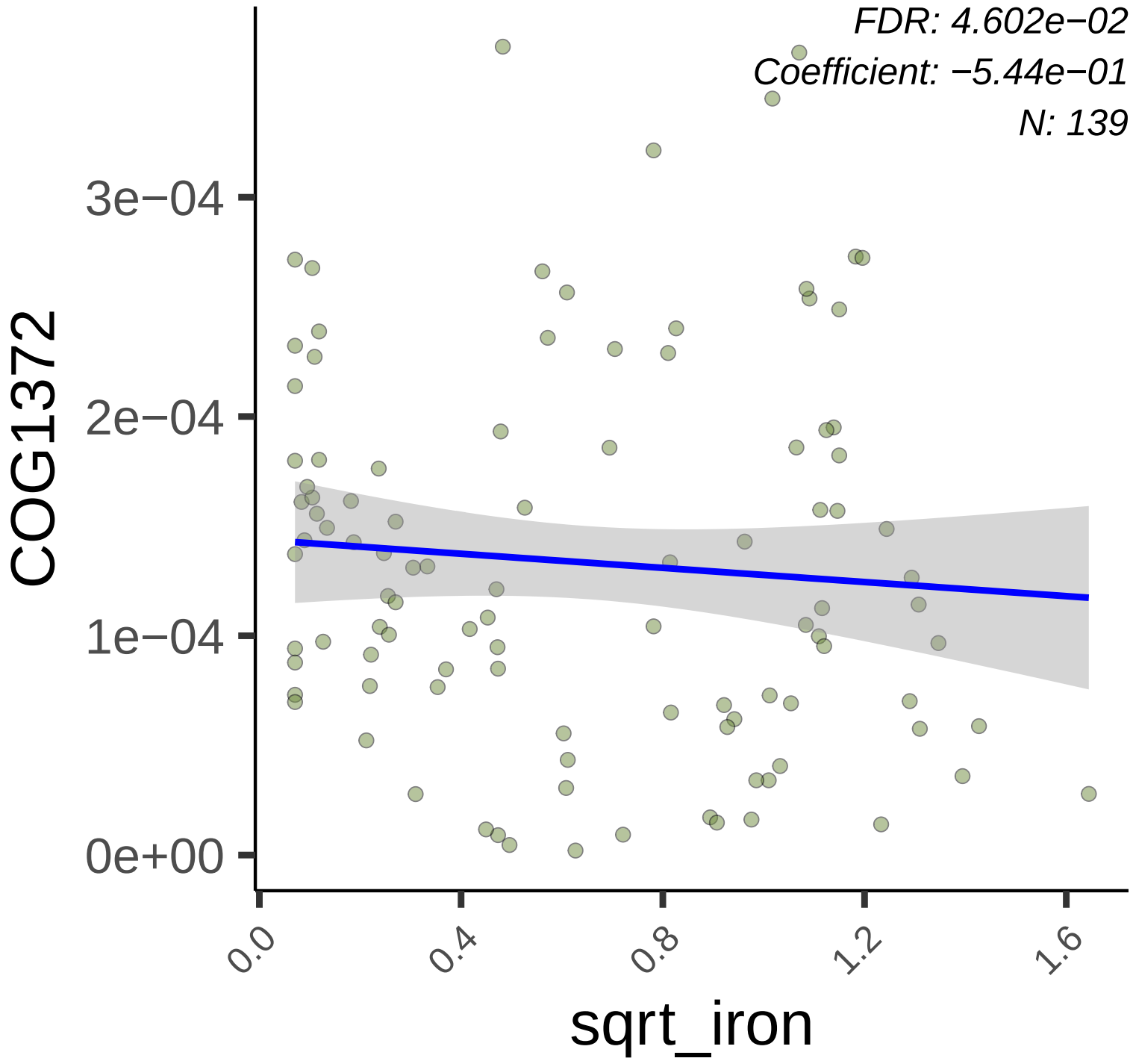
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.602e−02
Coefficient: −5.44e−01
N: 139
COG1372
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2e−04
1e−04
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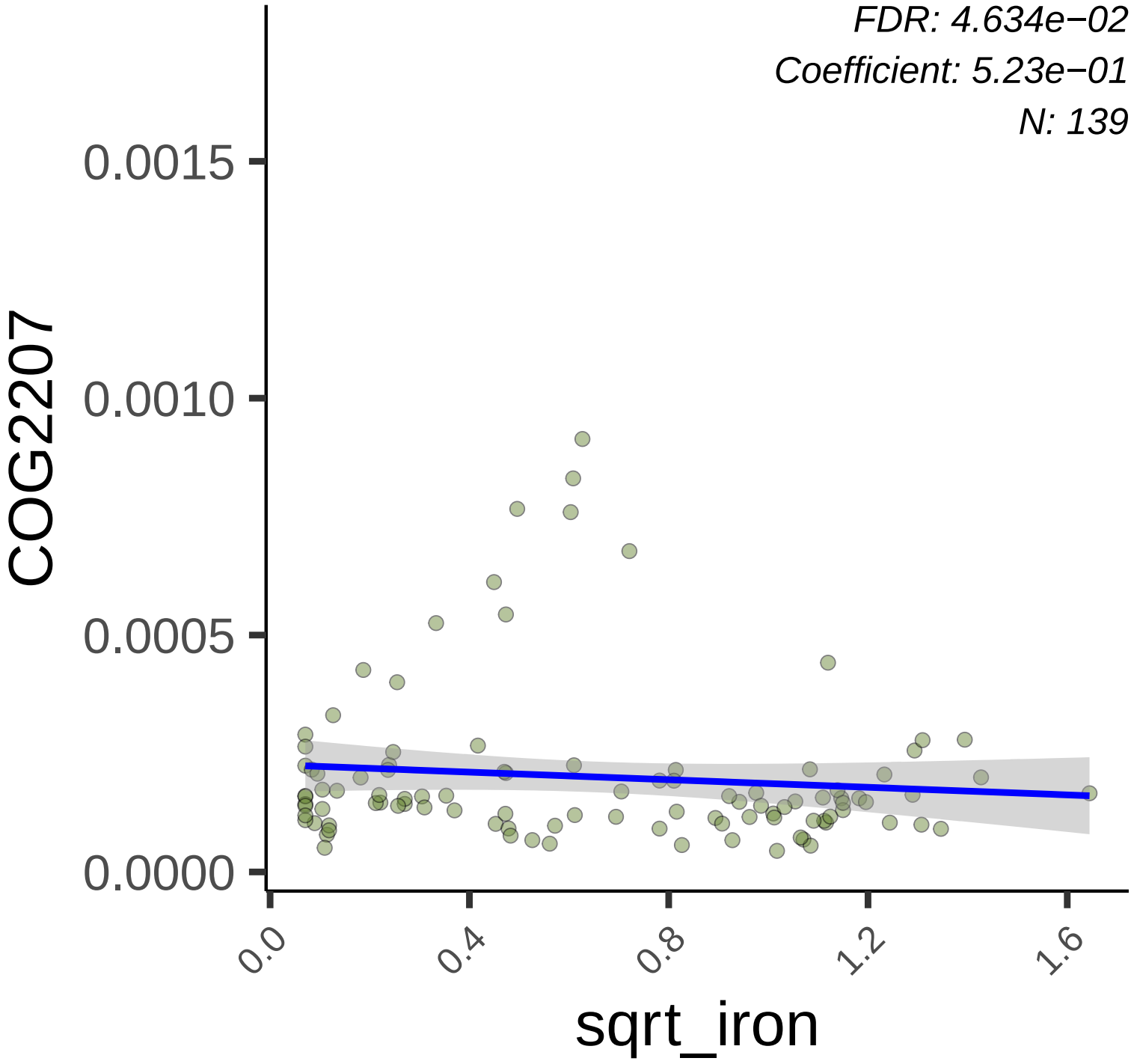
0.8
1.2
1.6
sqrt_iron


FDR: 4.634e−02
Coefficient: 5.23e−01
N: 139
COG2207
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0.0000
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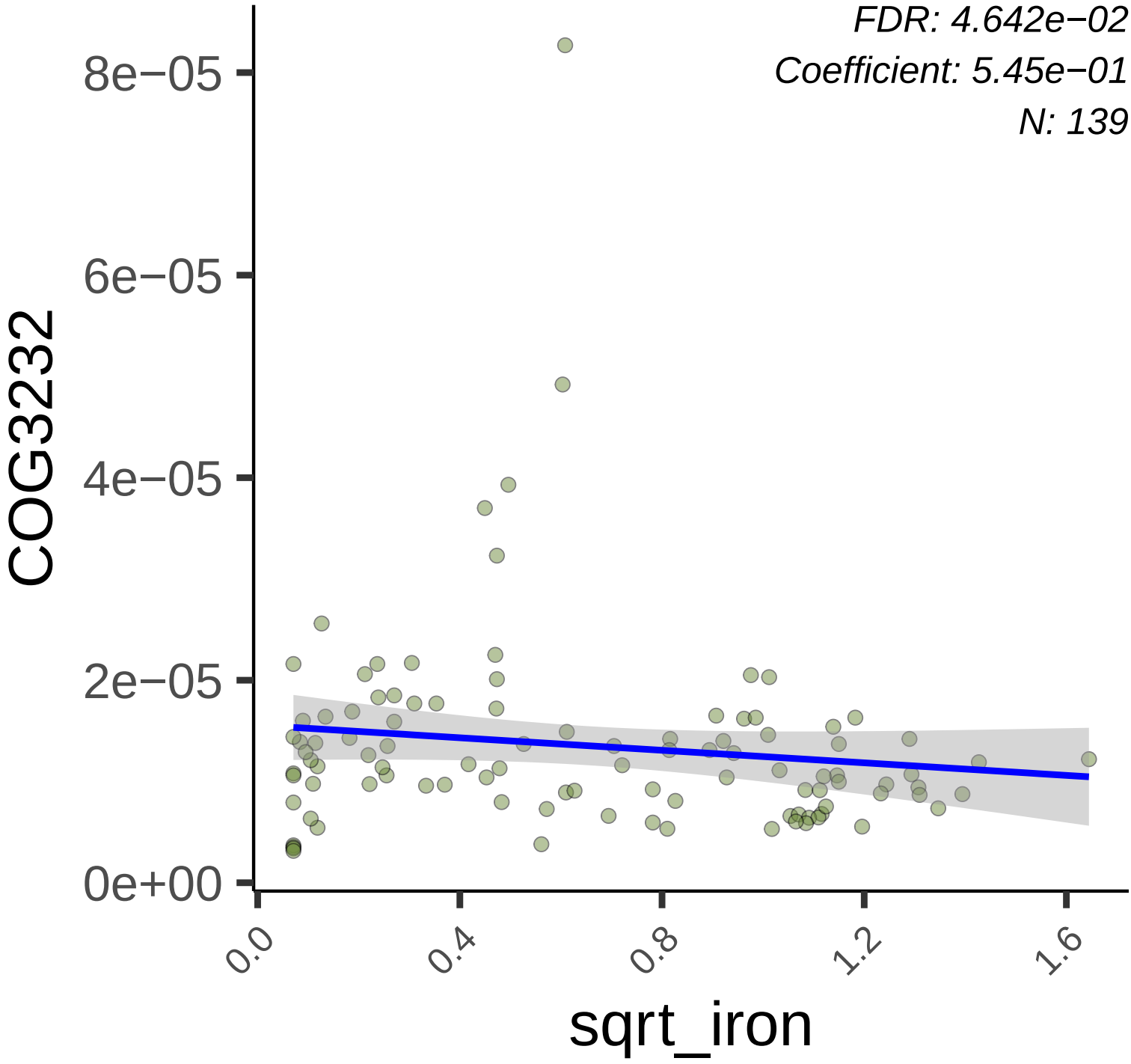
1.2
1.6
sqrt_iron


FDR: 4.642e−02
Coefficient: 5.45e−01
N: 139
COG3232
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6e−05
4e−05
2e−05
0e+00
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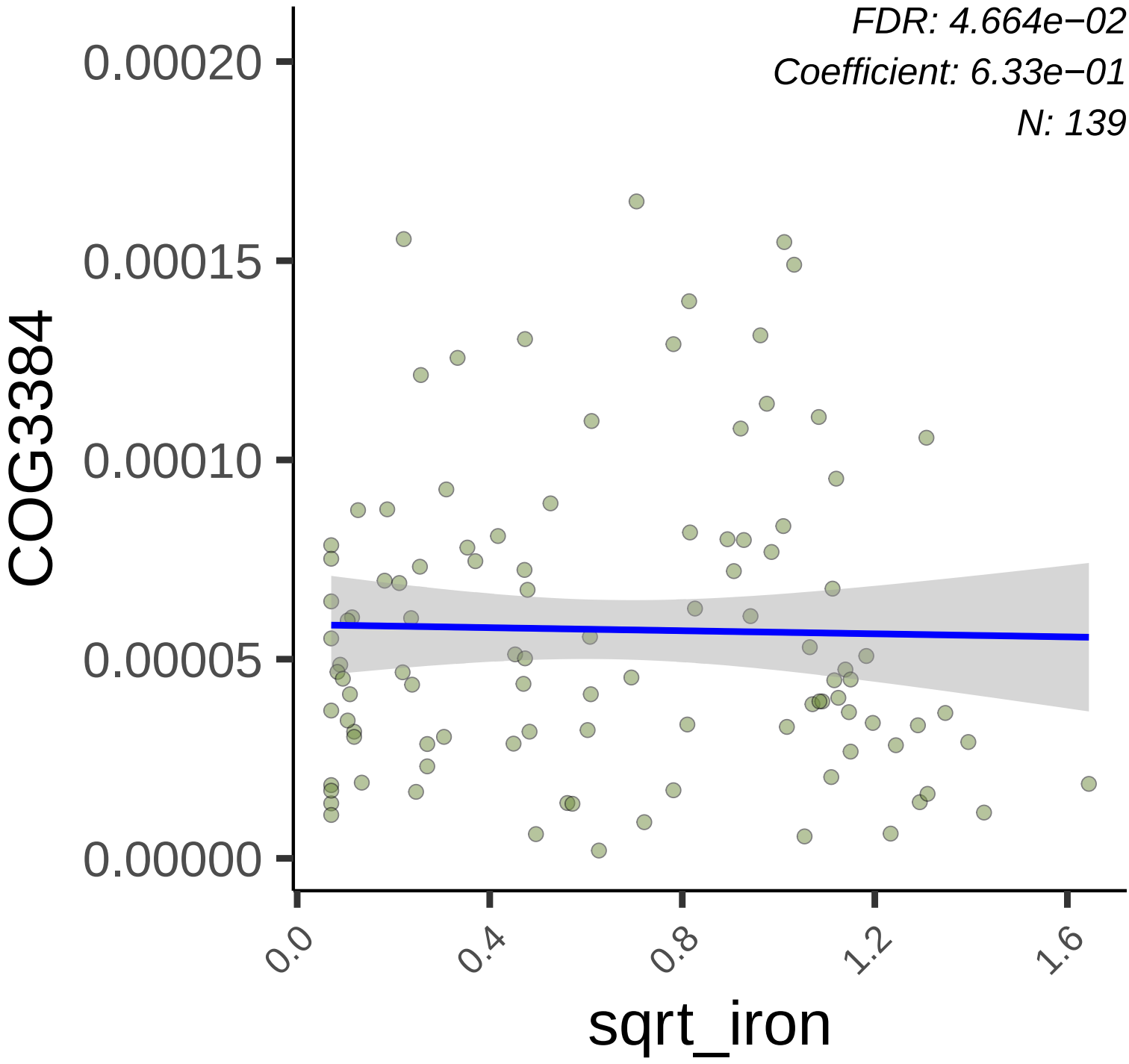
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.664e−02
Coefficient: 6.33e−01
N: 139
COG3384
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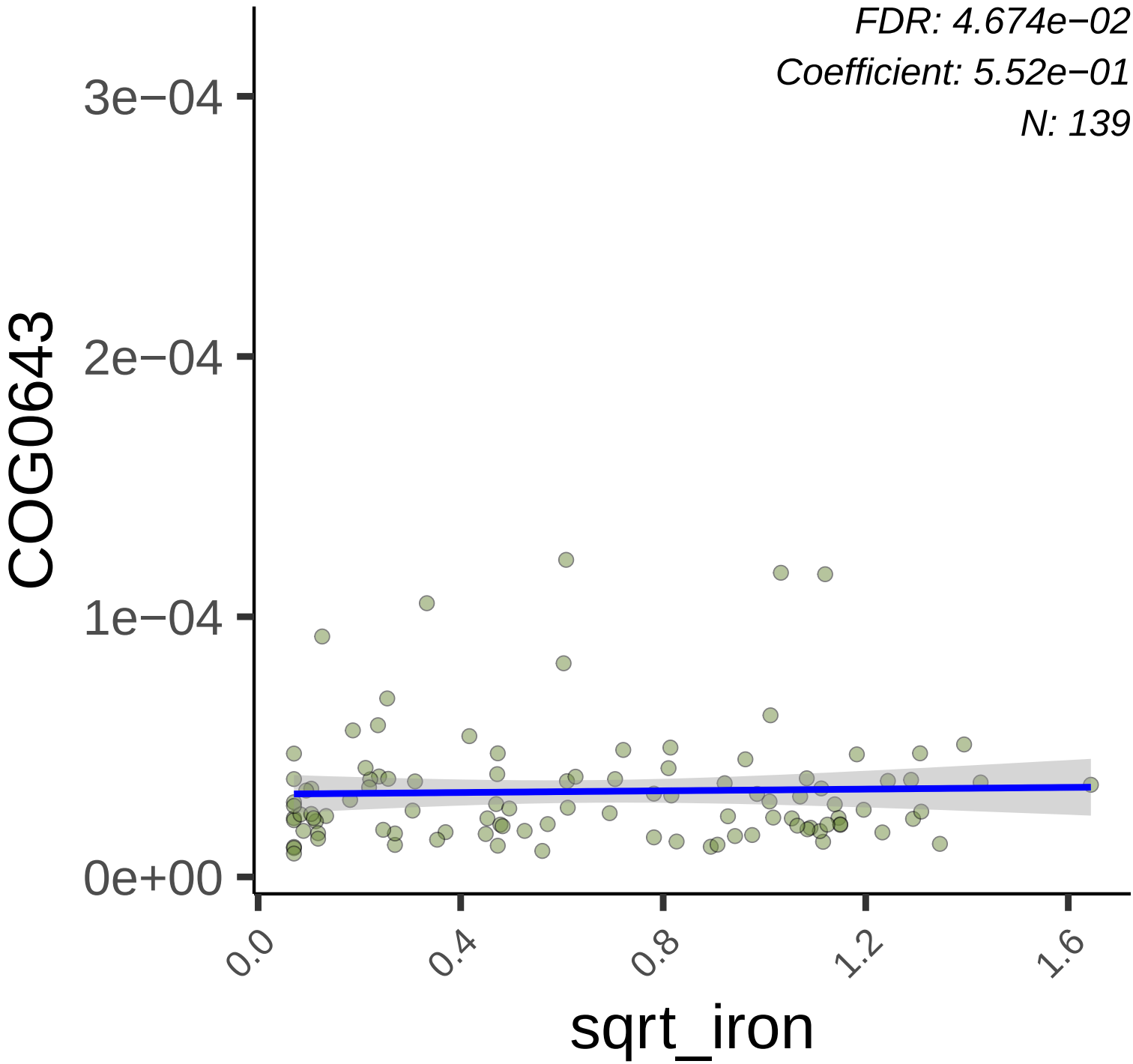
1.2
1.6
sqrt_iron


FDR: 4.674e−02
Coefficient: 5.52e−01
N: 139
COG0643
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2e−04
1e−04
0e+00
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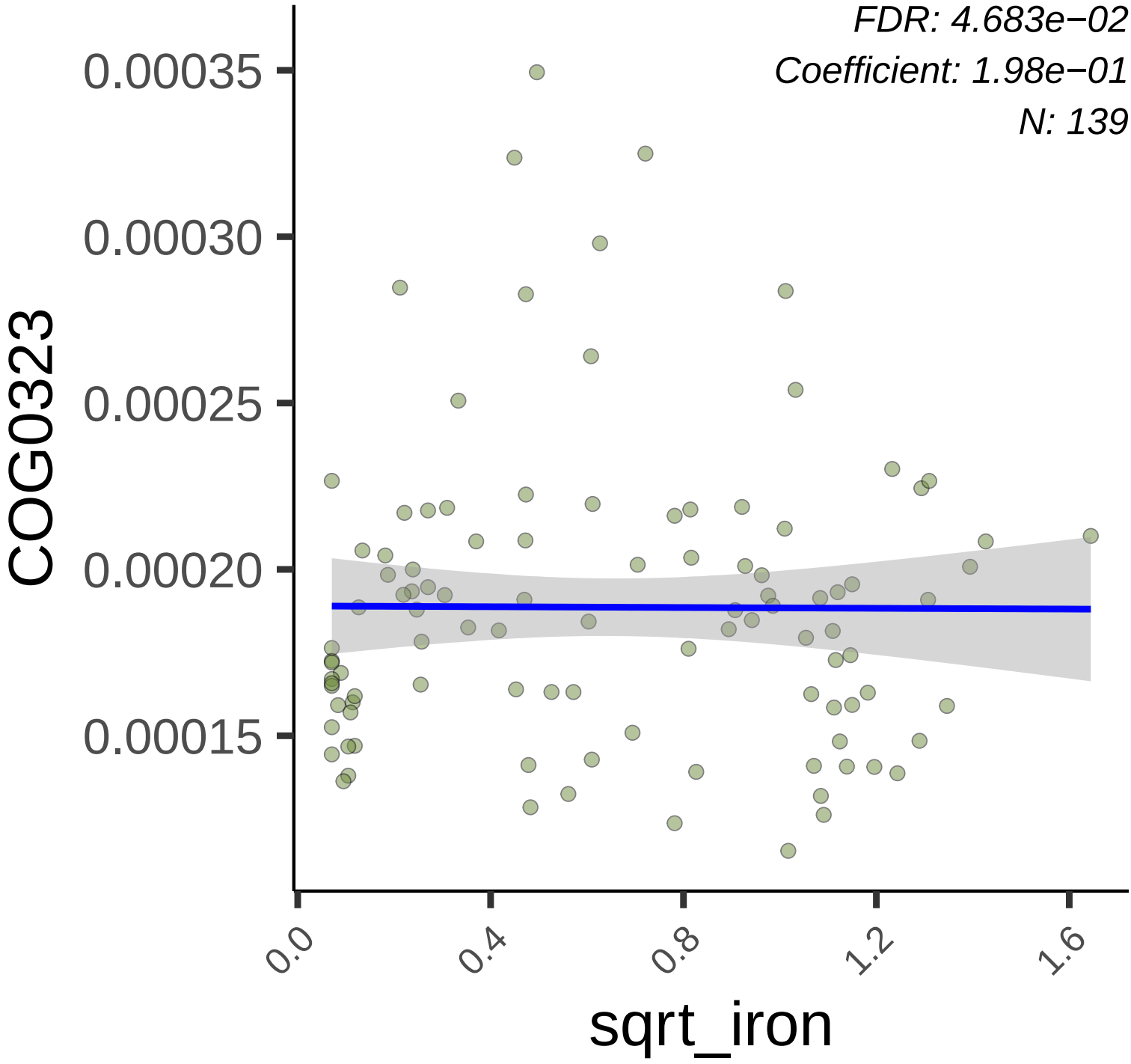
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.683e−02
Coefficient: 1.98e−01
N: 139
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0.00020
0.00015
COG0323
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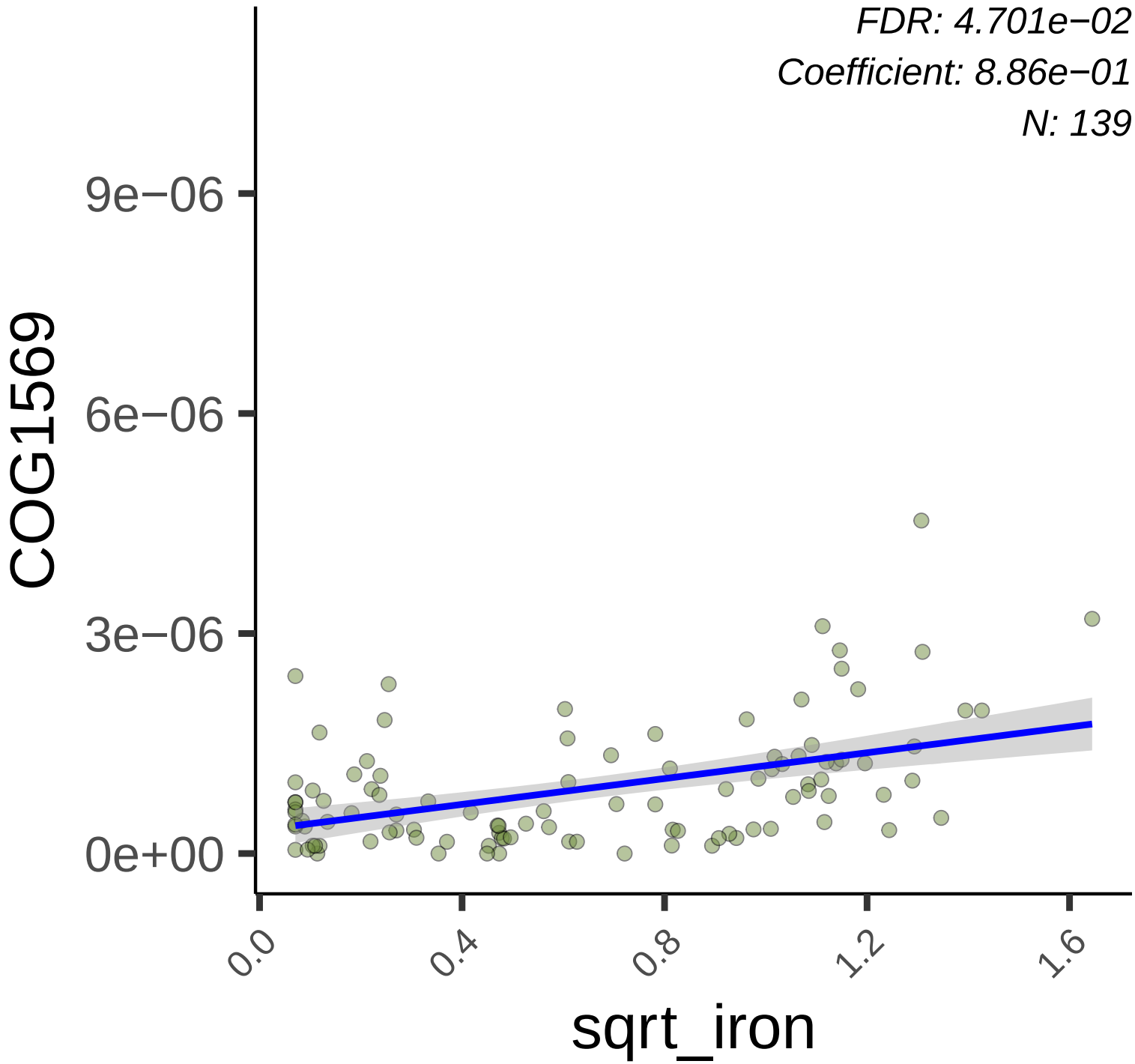
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.701e−02
Coefficient: 8.86e−01
N: 139
COG1569
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6e−06
3e−06
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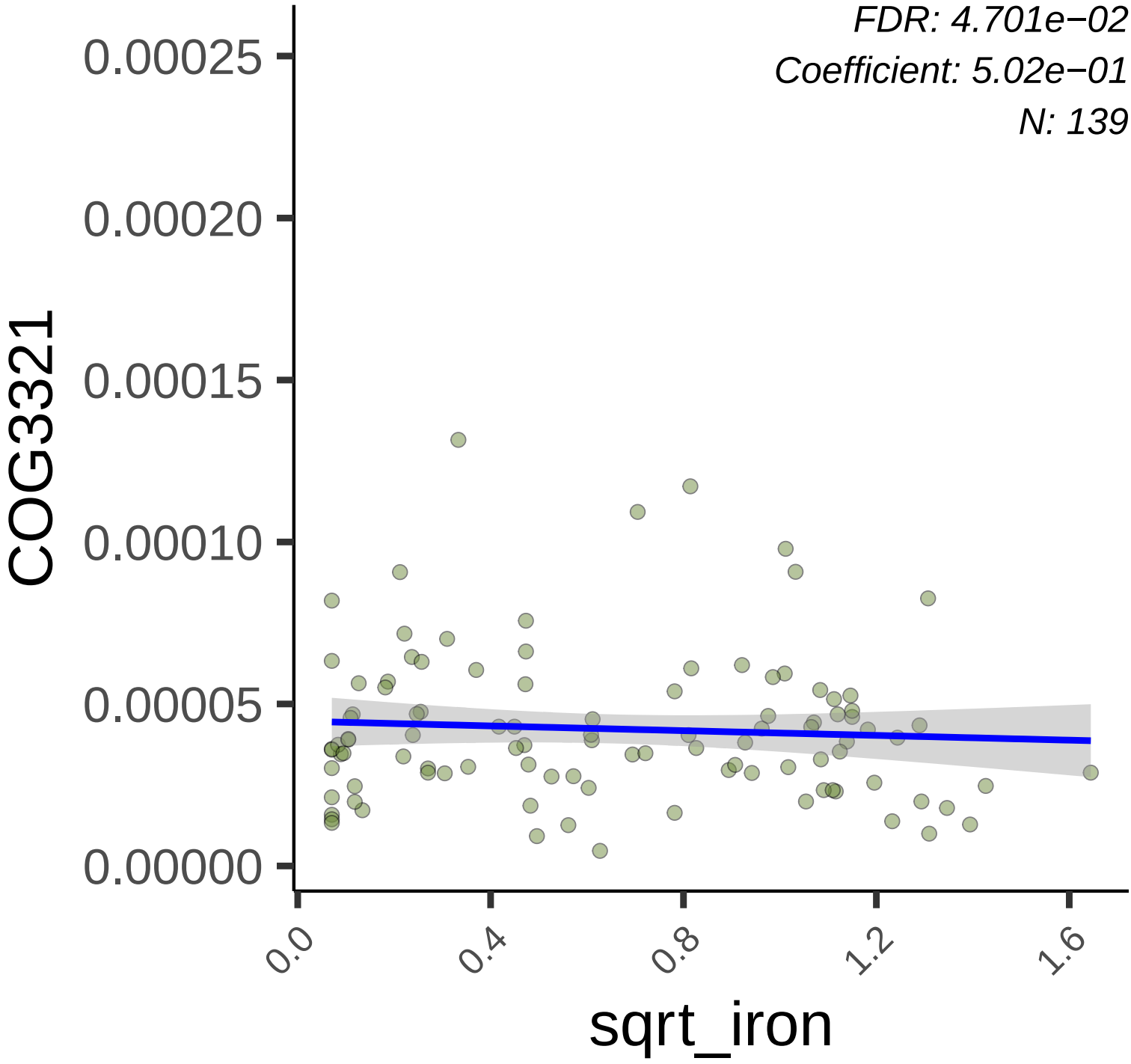
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.701e−02
Coefficient: 5.02e−01
N: 139
COG3321
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0.00000
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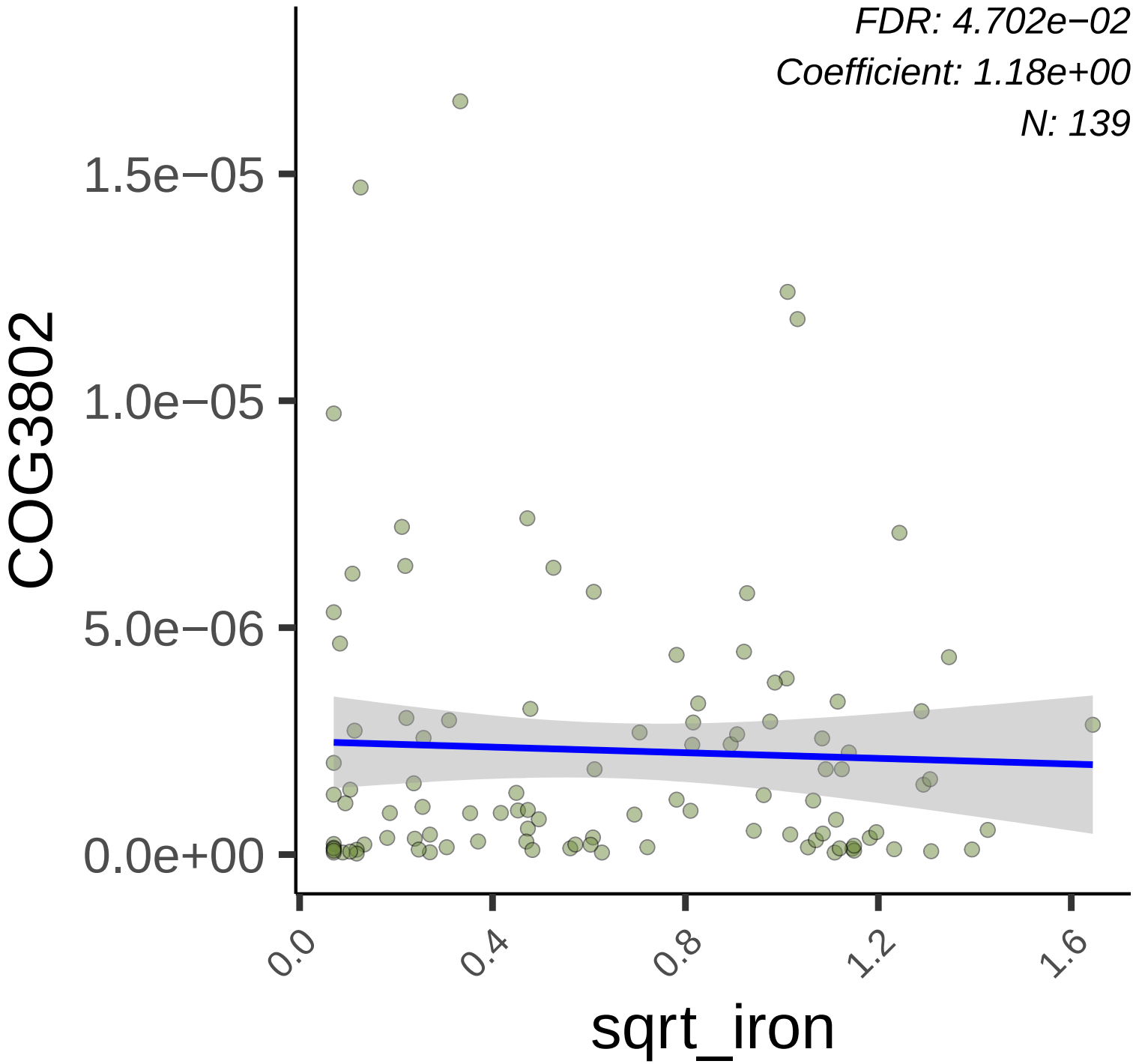
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.702e−02
Coefficient: 1.18e+00
N: 139
COG3802
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5.0e−06
0.0e+00
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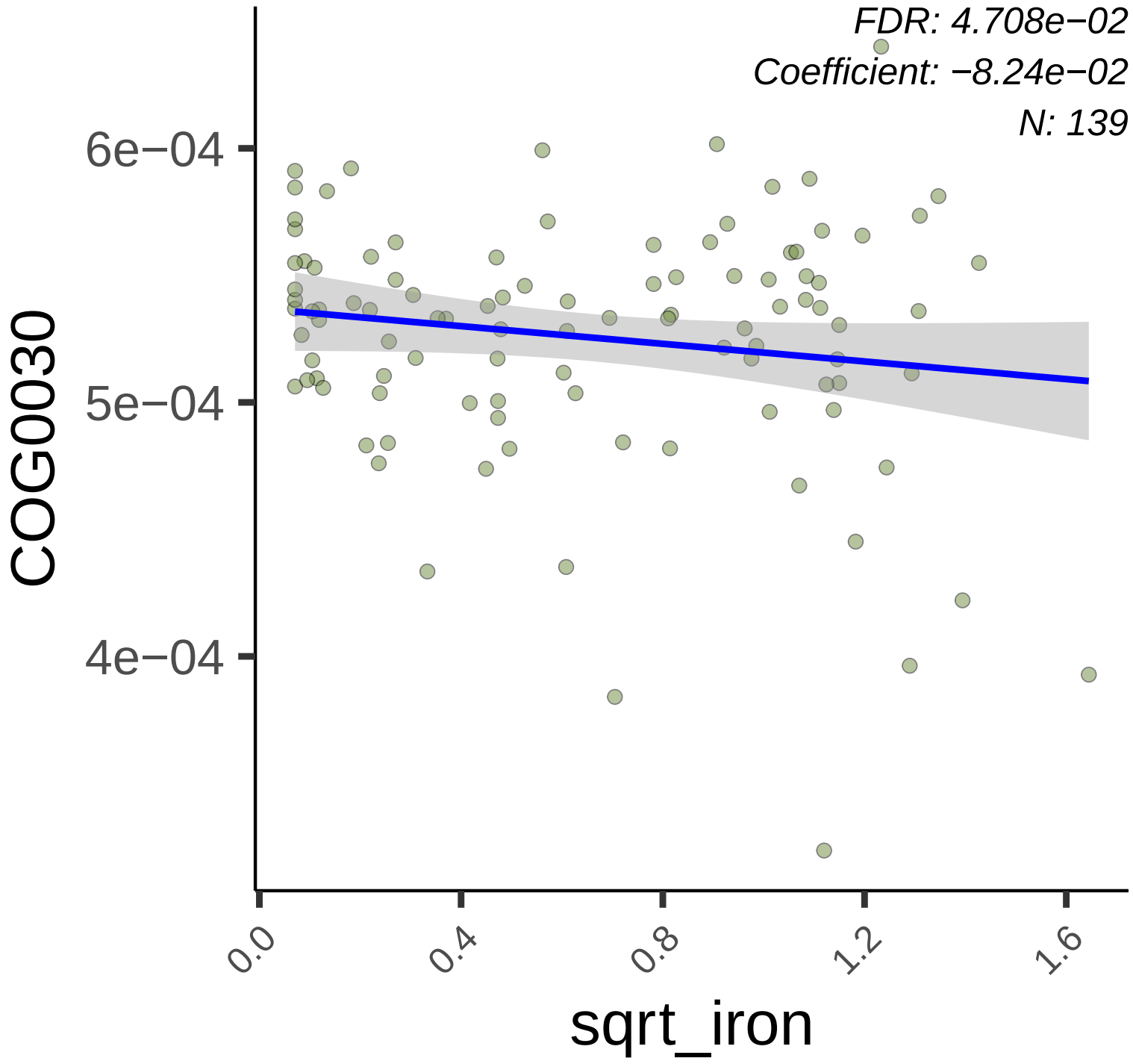
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.708e−02
Coefficient: −8.24e−02
N: 139
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5e−04
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COG0030
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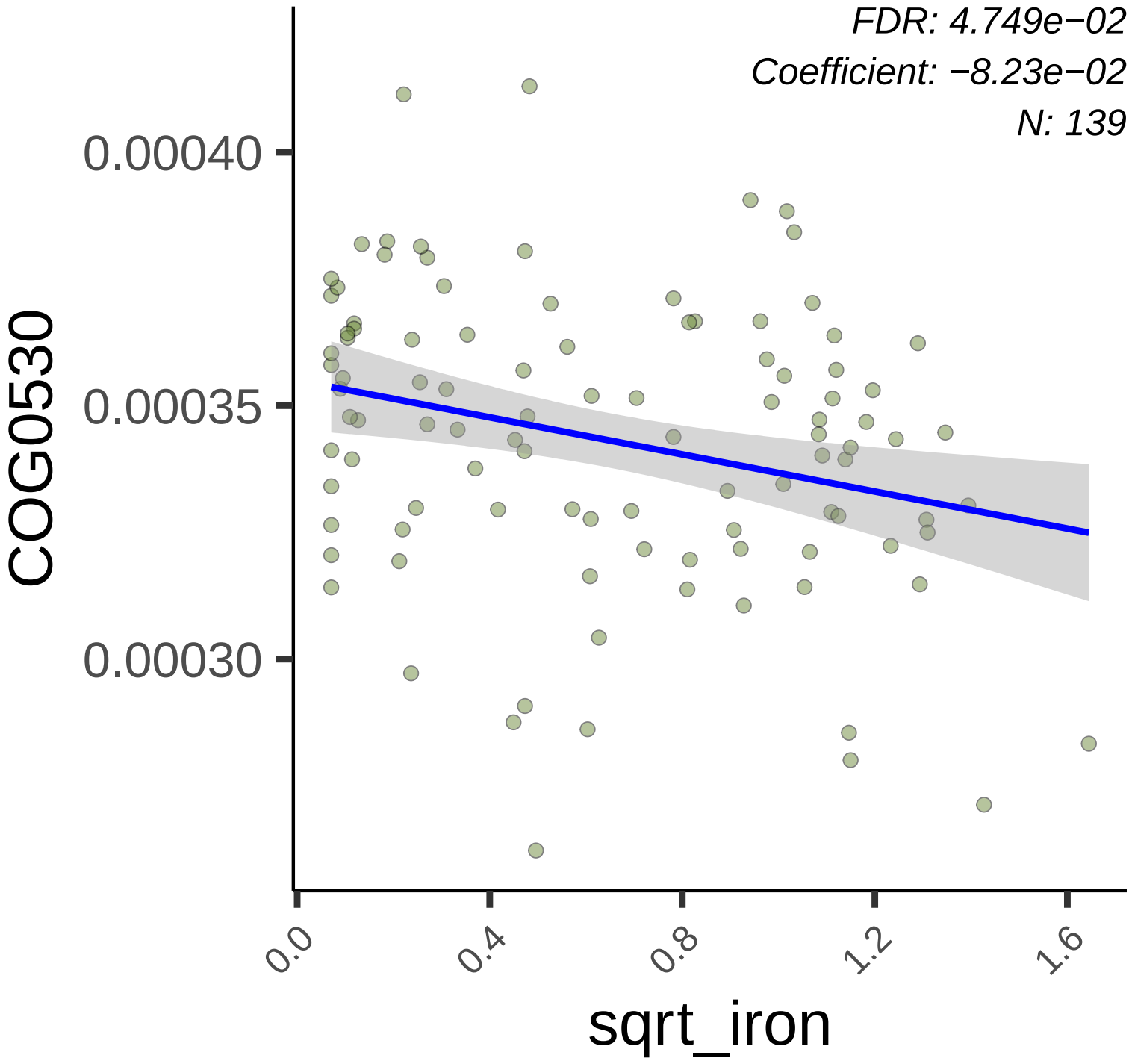
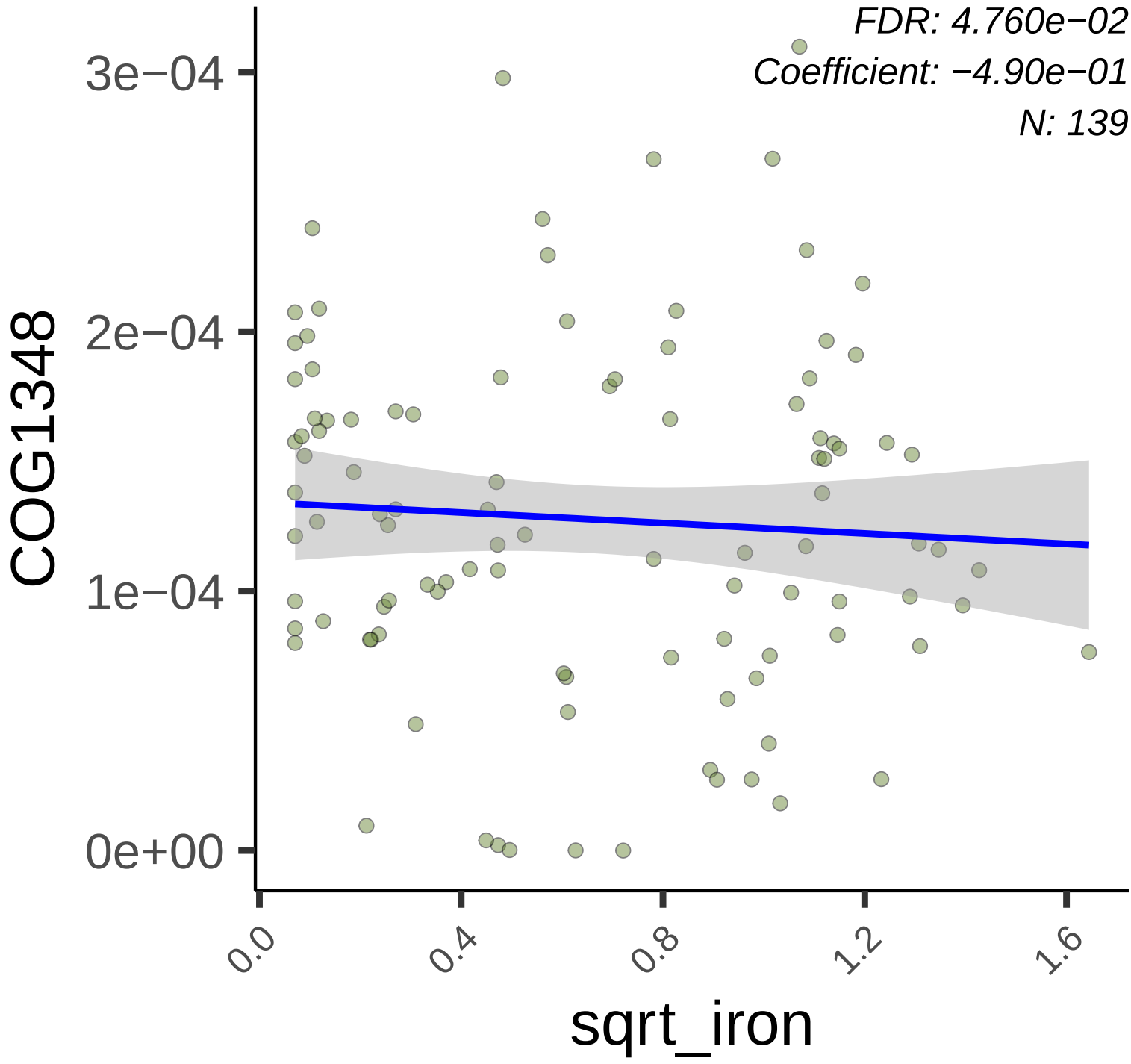
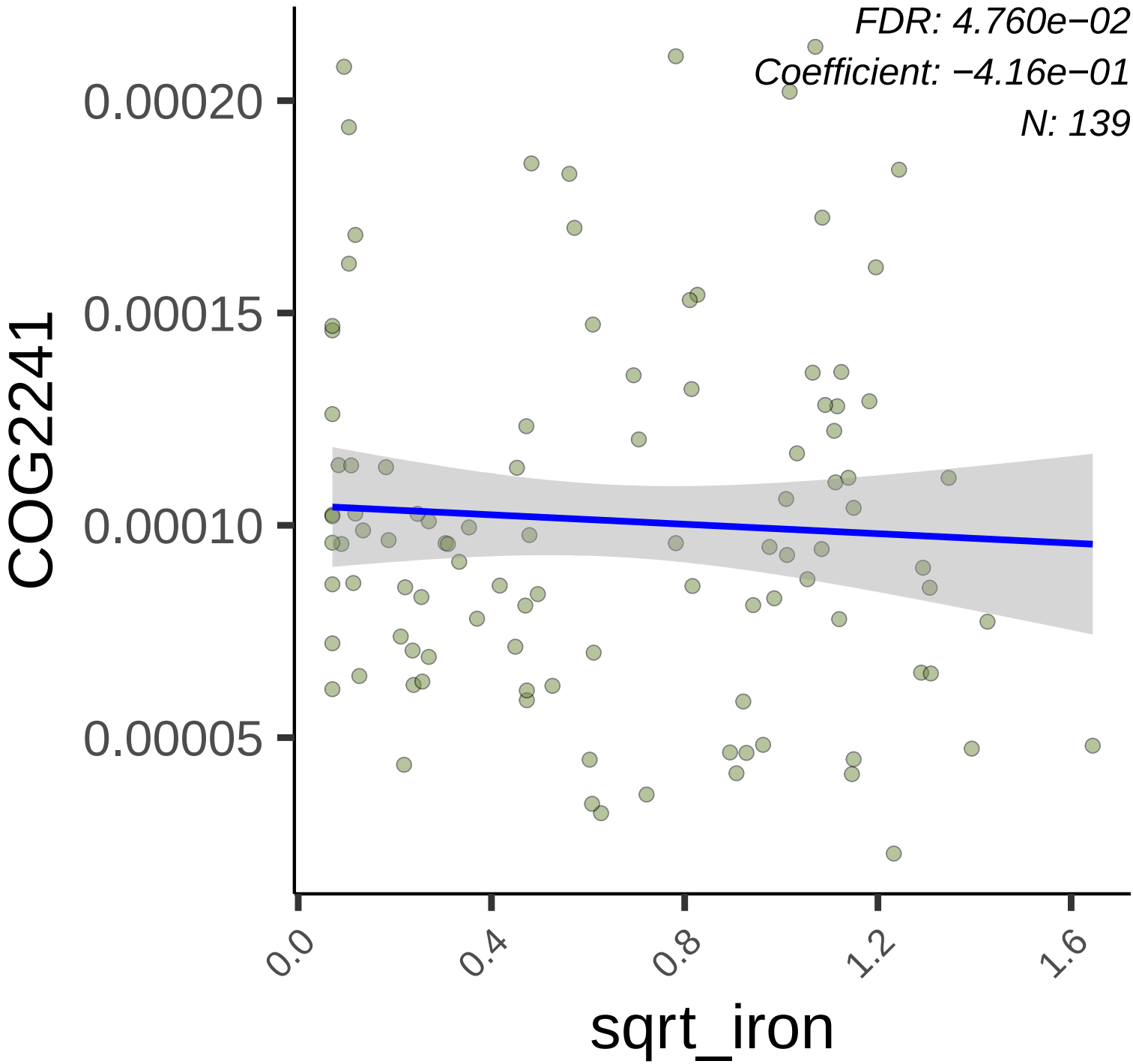
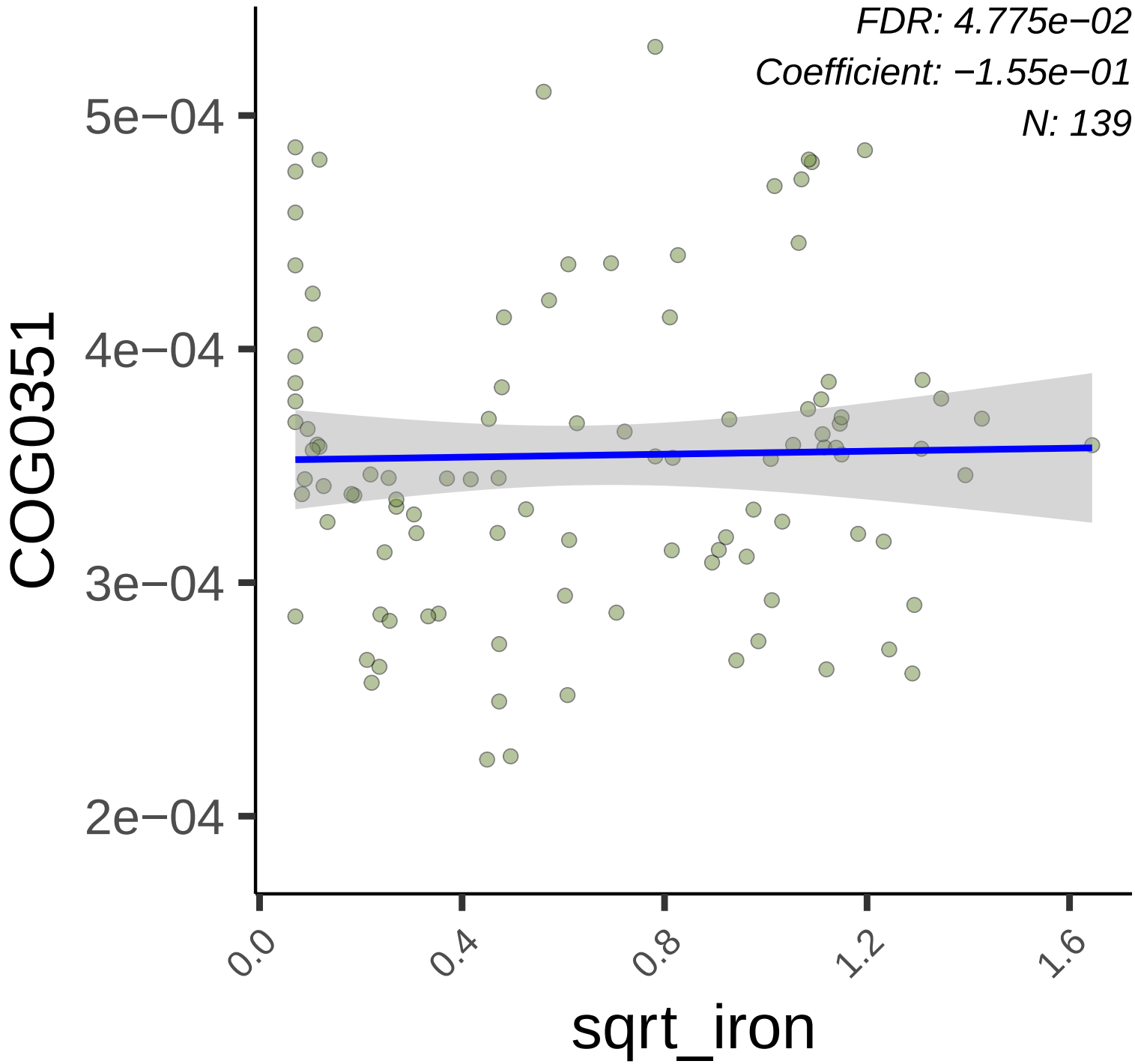
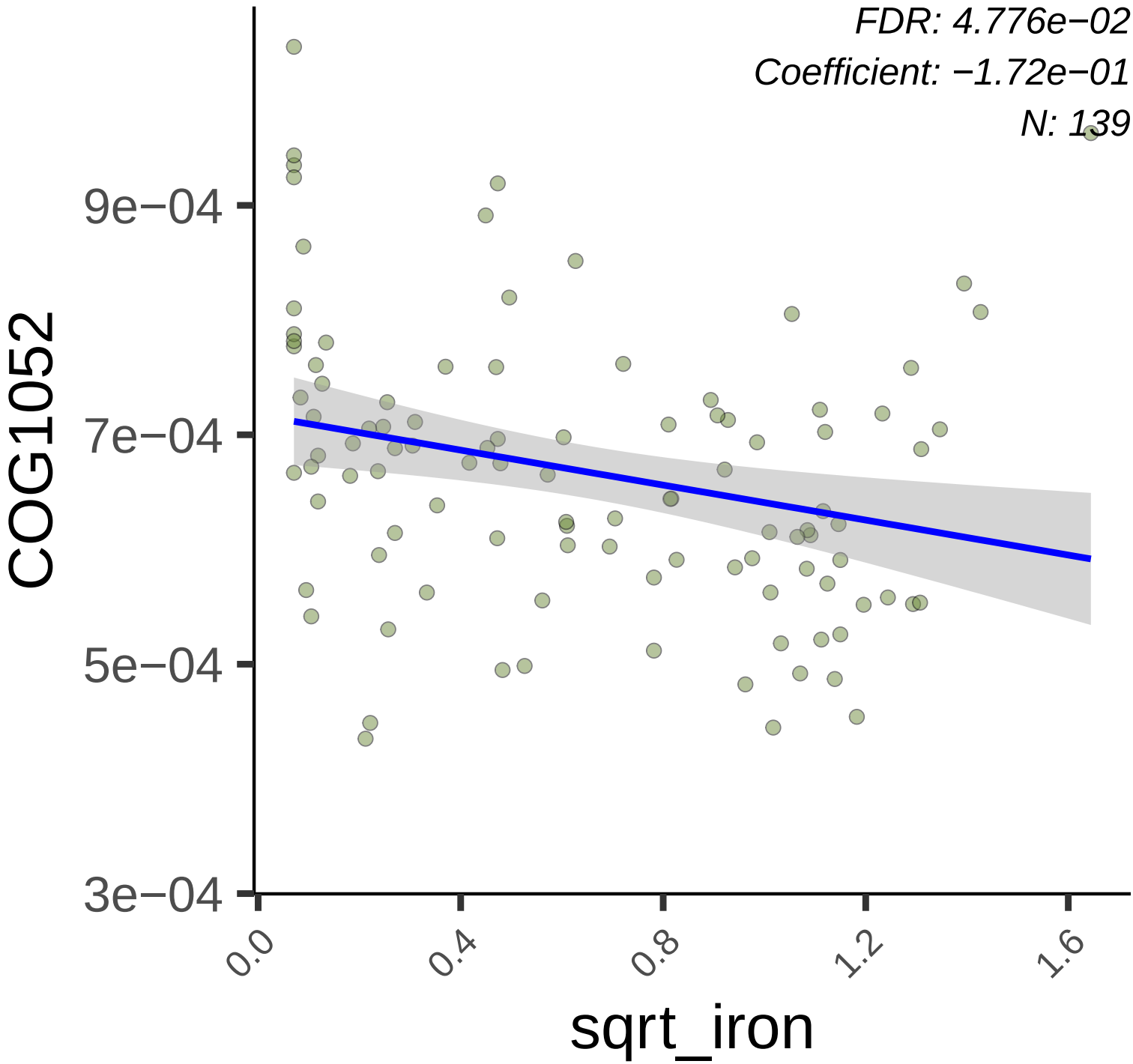
0.4
0.8
1.2
1.6
sqrt_iron

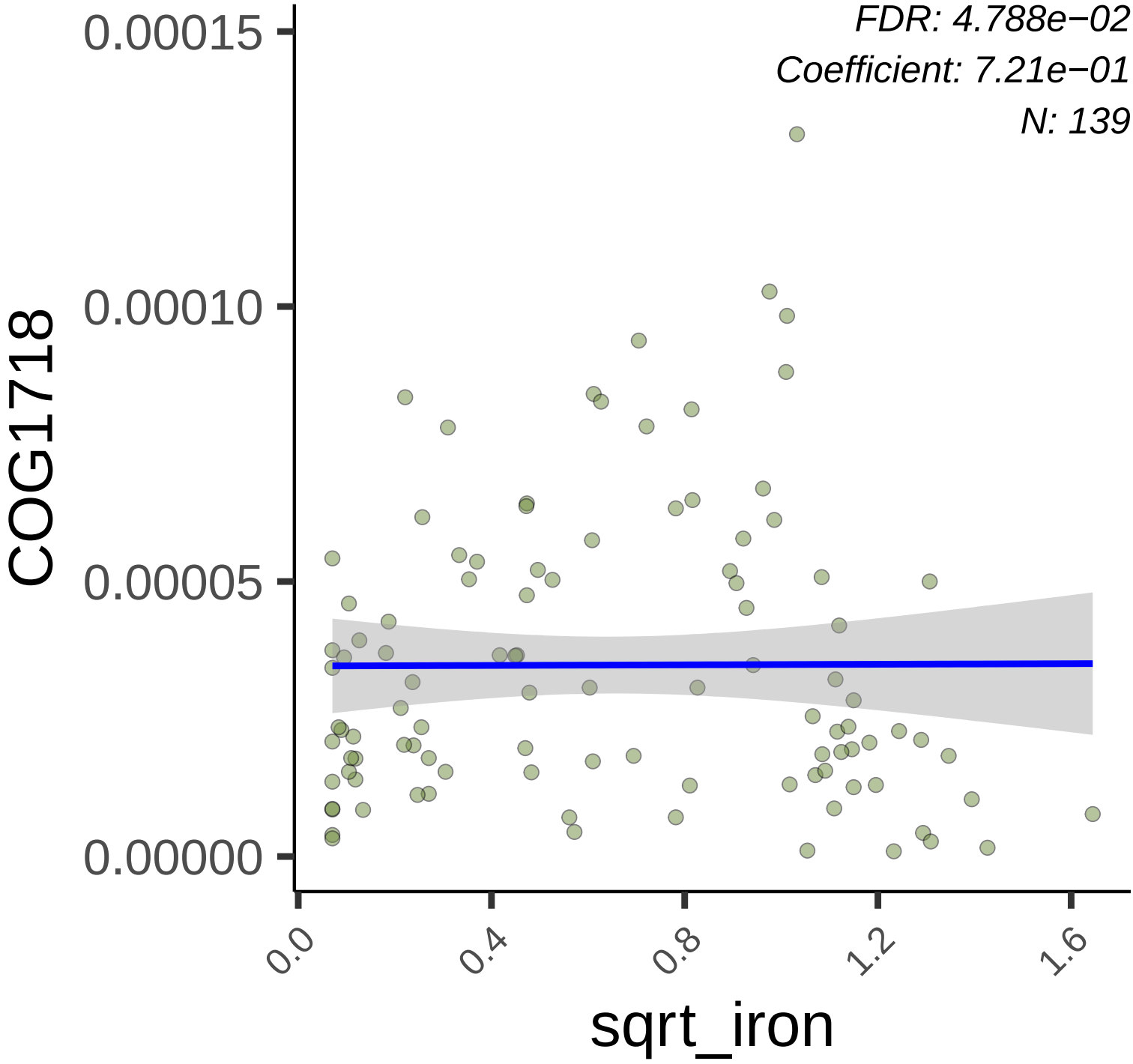

FDR: 4.749e−02
Coefficient: −8.23e−02
N: 139
0.00040
0.00035
0.00030
COG0530
0.0
0.4
0.8
1.2
1.6
sqrt_iron

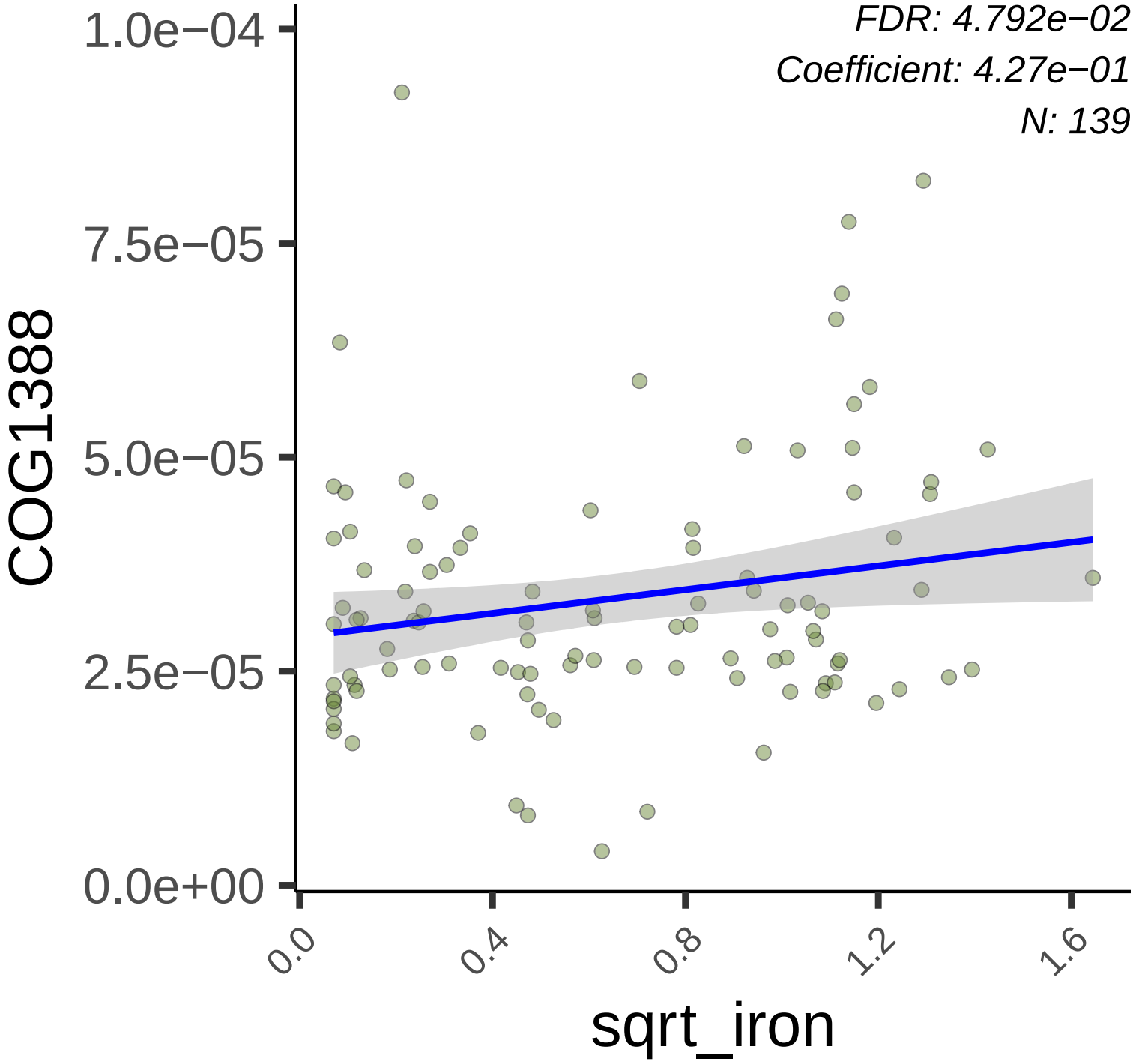

FDR: 4.760e−02
Coefficient: −4.90e−01
N: 139
3e−04
2e−04
1e−04
0e+00
COG1348
0.0
0.4
0.8
1.2
1.6
sqrt_iron

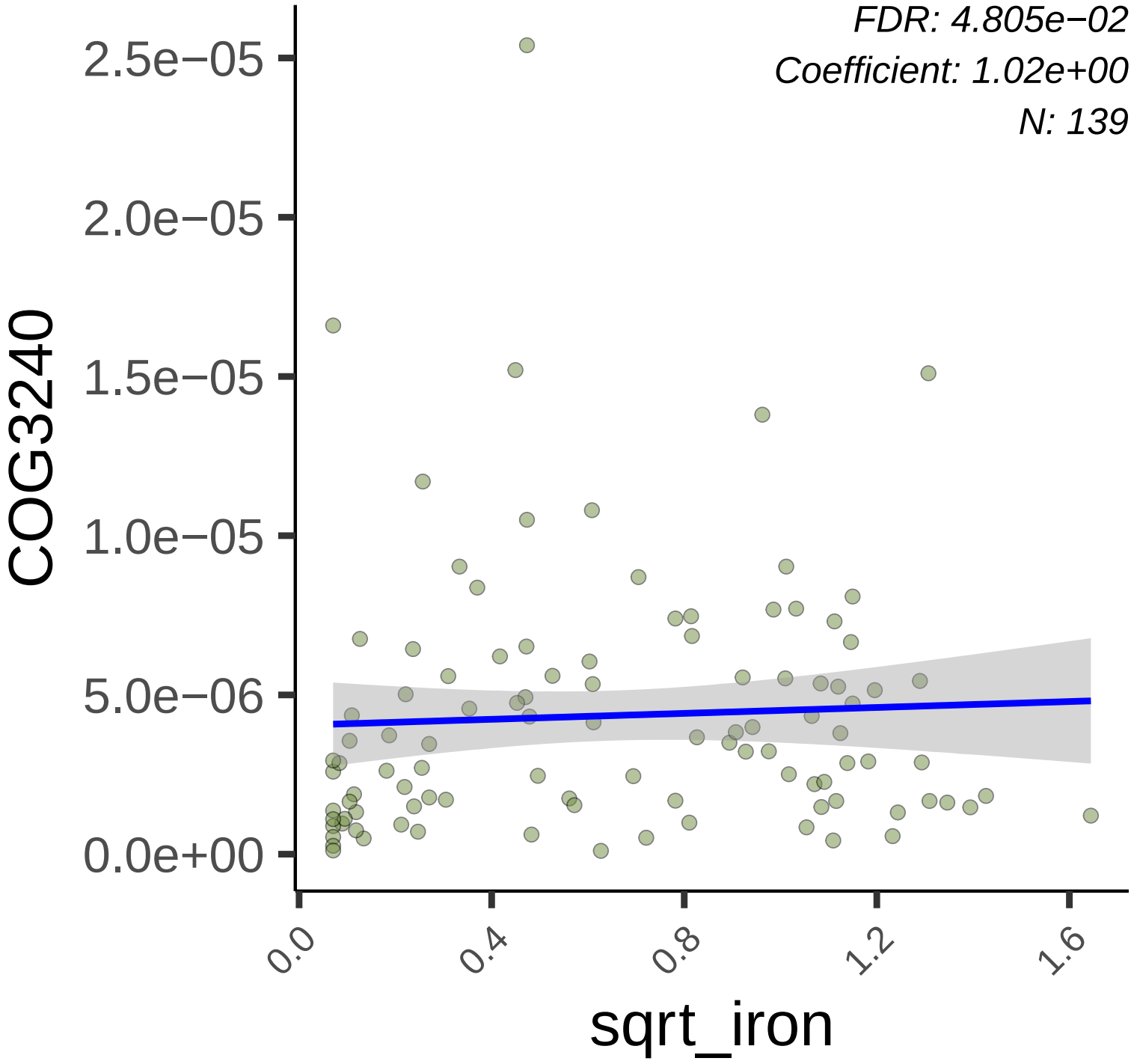

FDR: 4.760e−02
Coefficient: −4.16e−01
N: 139
0.00020
0.00015
0.00010
0.00005
COG2241
0.0
0.4
0.8
1.2
1.6
sqrt_iron

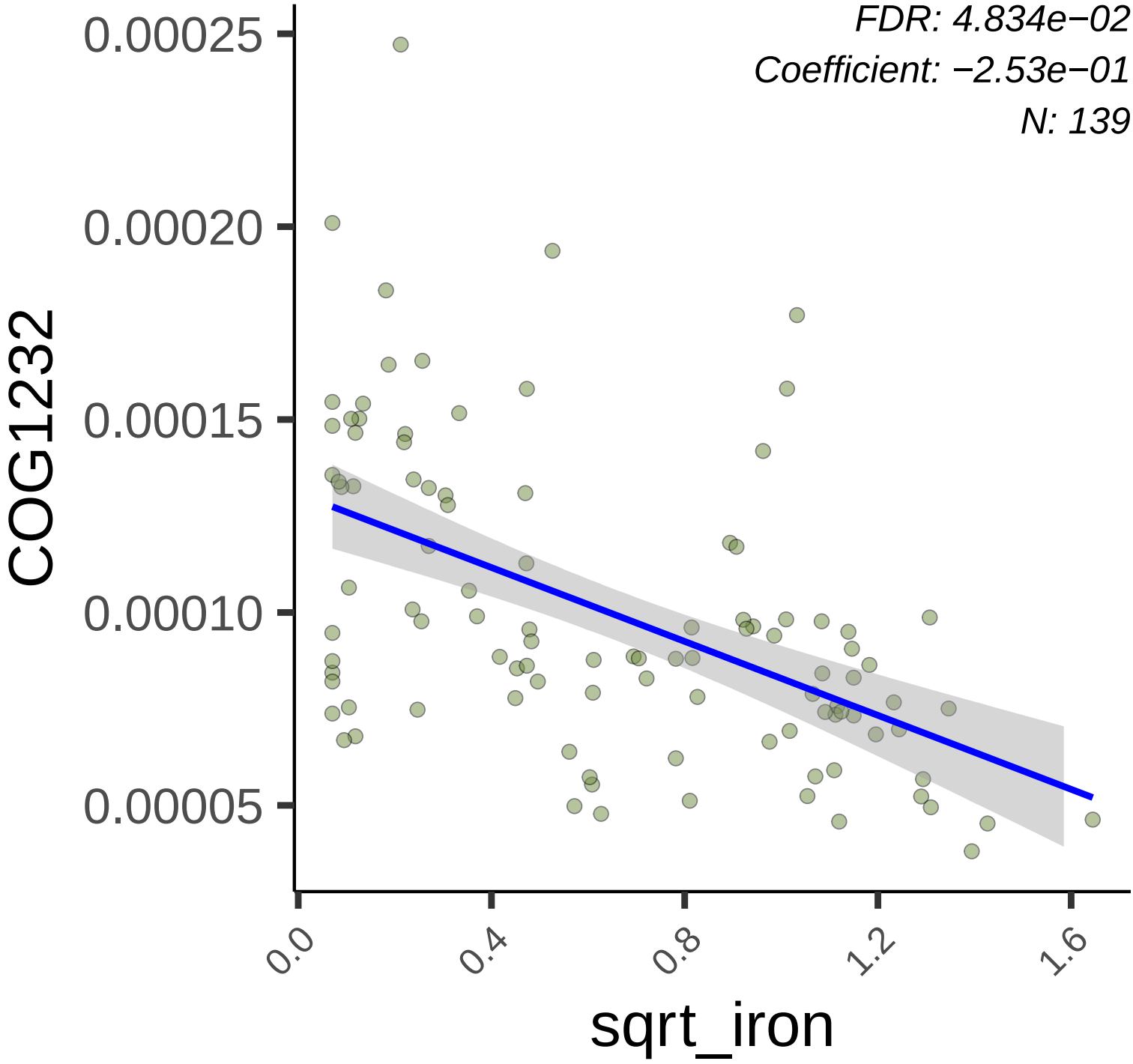

FDR: 4.775e−02
Coefficient: −1.55e−01
N: 139
COG0351
5e−04
4e−04
3e−04
2e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron

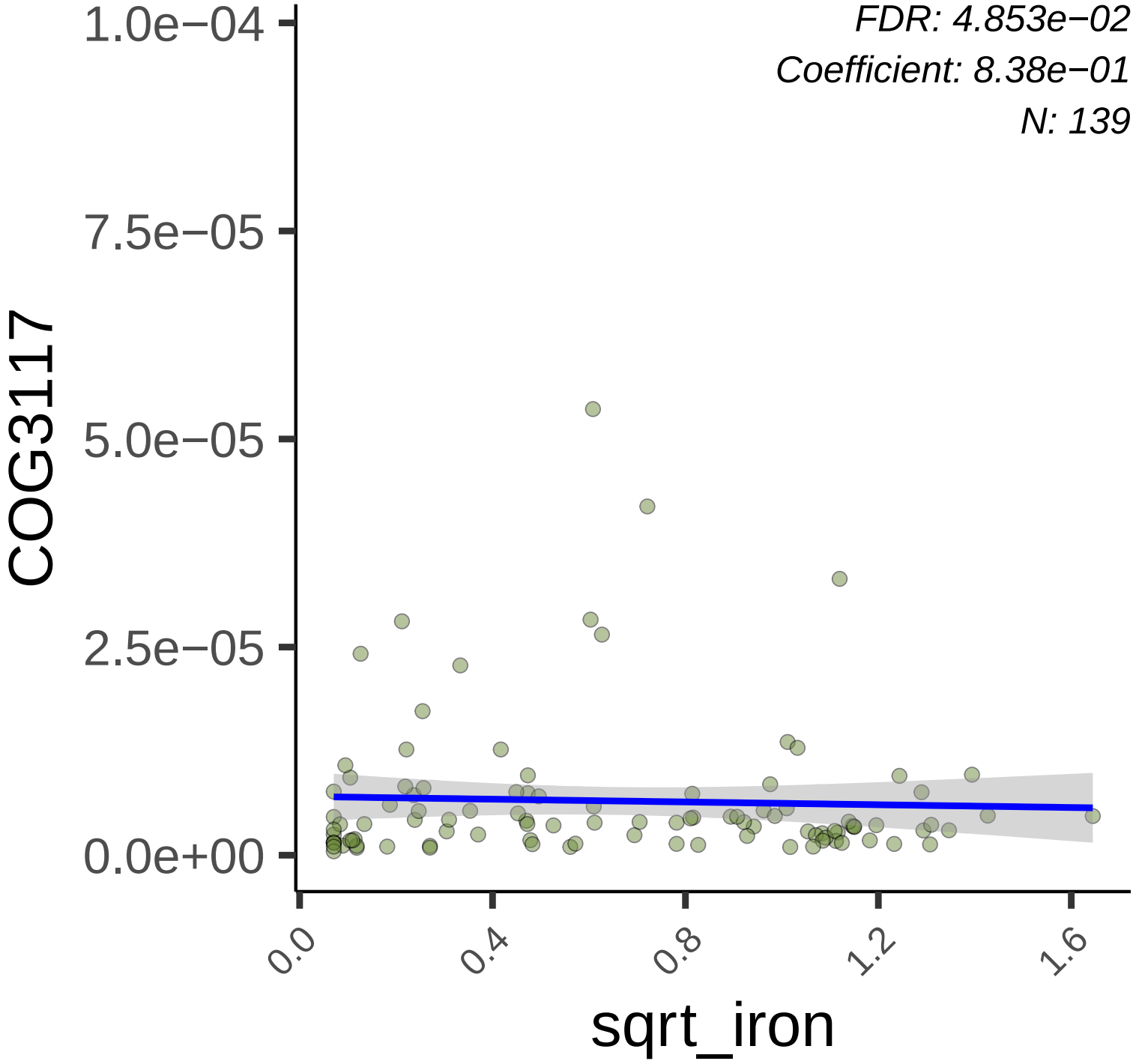

FDR: 4.776e−02
Coefficient: −1.72e−01
N: 139
COG1052
9e−04
7e−04
5e−04
3e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron

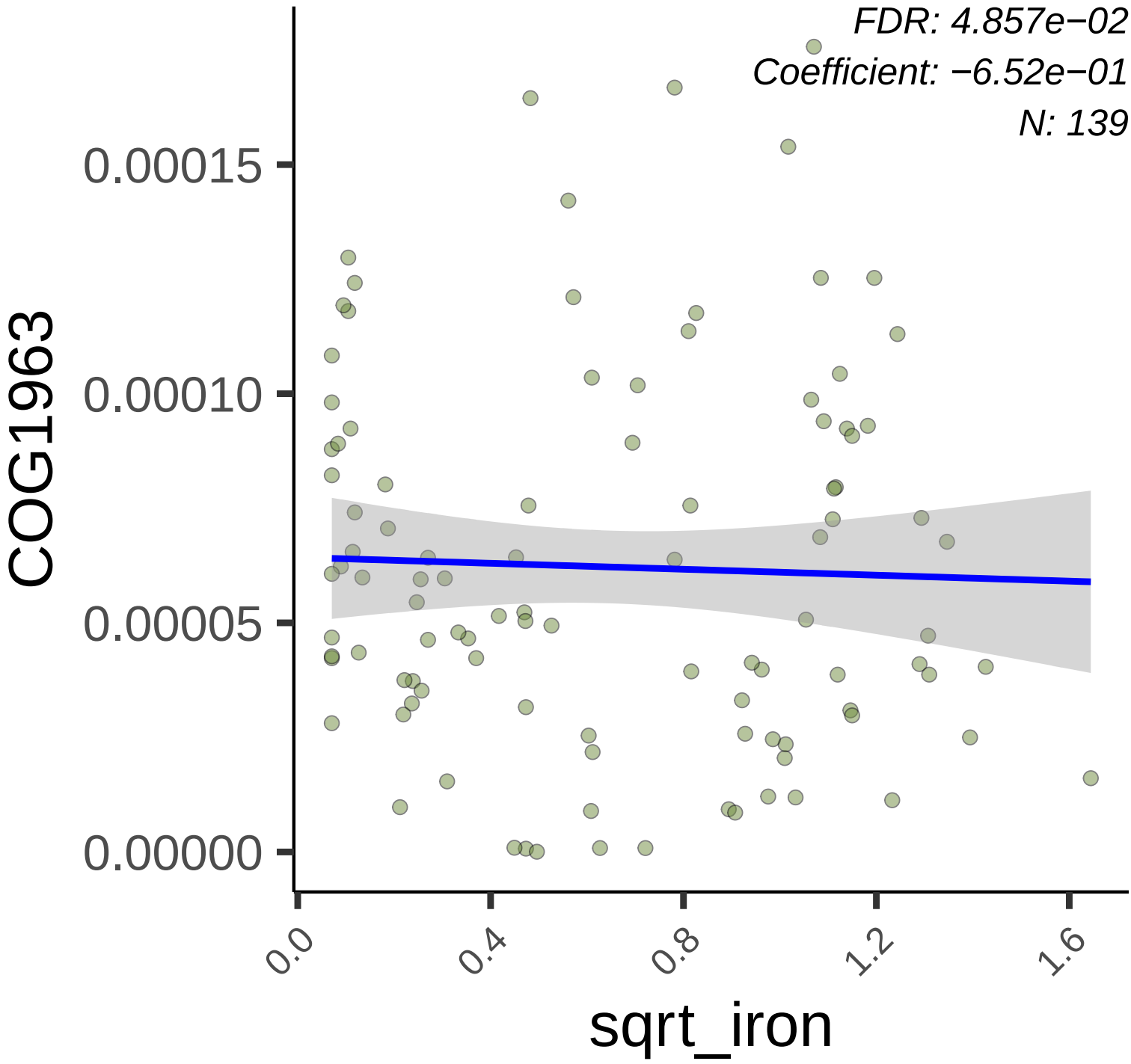

FDR: 4.788e−02
Coefficient: 7.21e−01
N: 139
COG1718
0.00015
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron

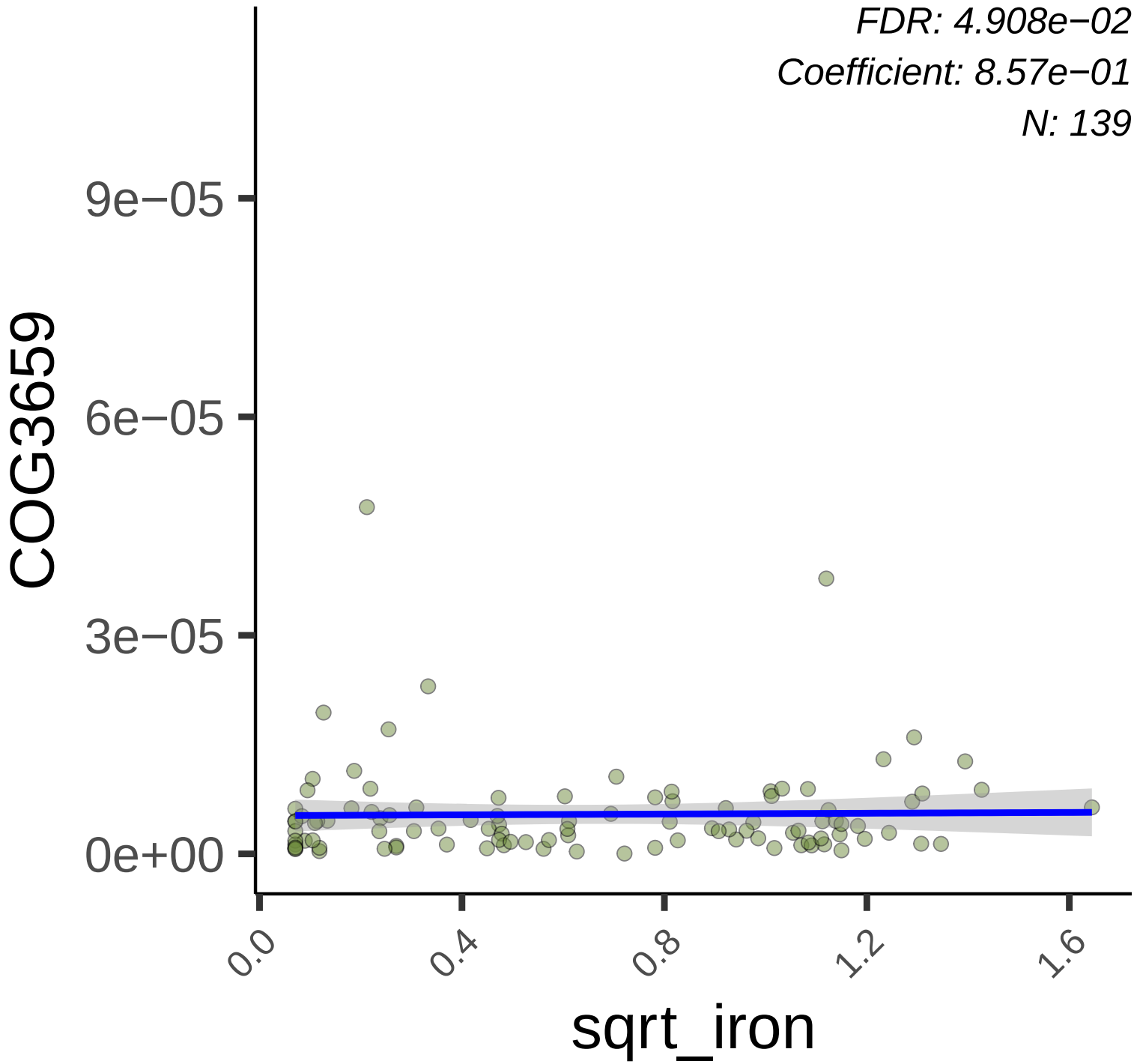

FDR: 4.792e−02
Coefficient: 4.27e−01
N: 139
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG1388
0.0
0.4
0.8
1.2
1.6
sqrt_iron

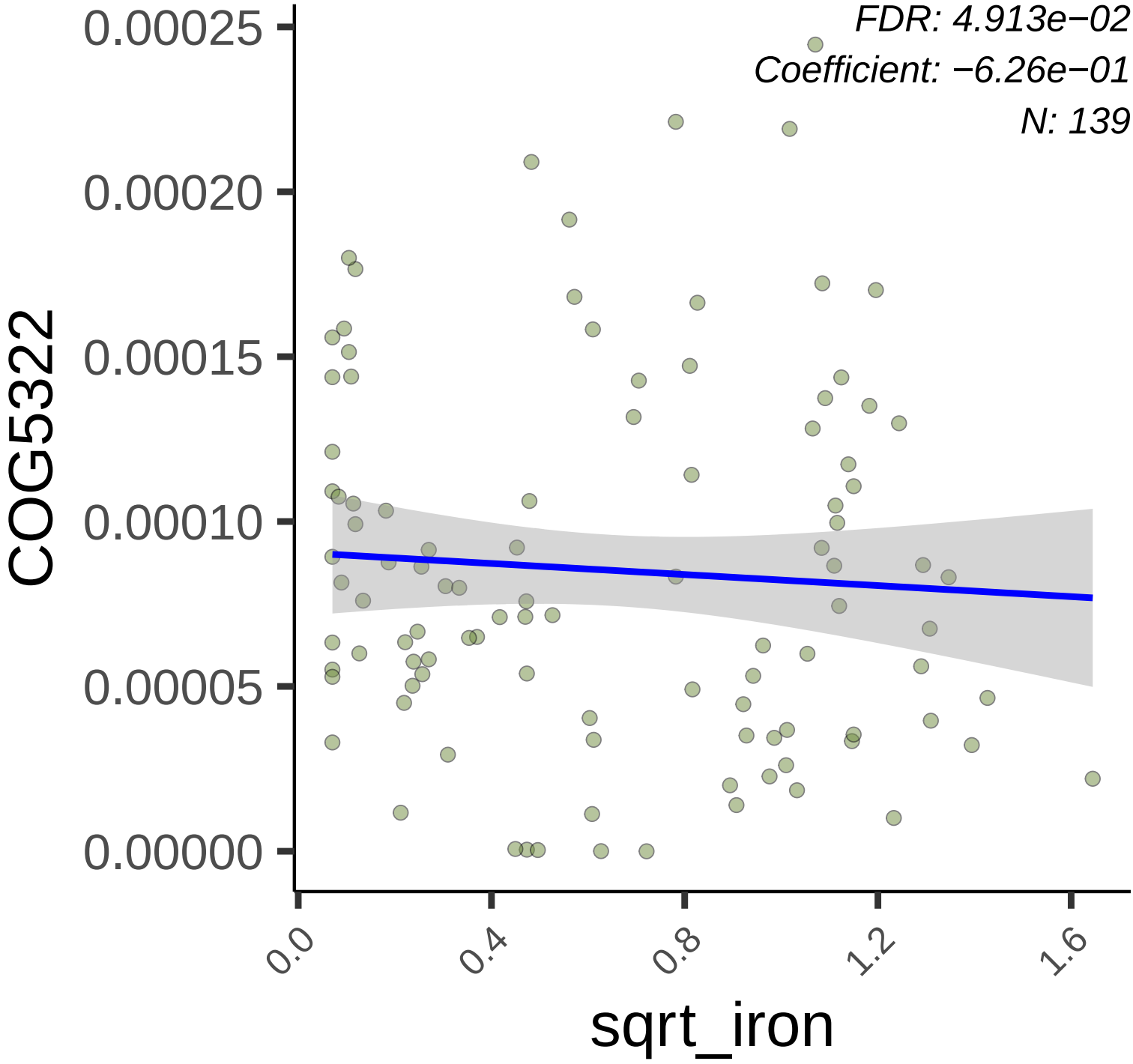

FDR: 4.805e−02
Coefficient: 1.02e+00
N: 139
COG3240
2.5e−05
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron

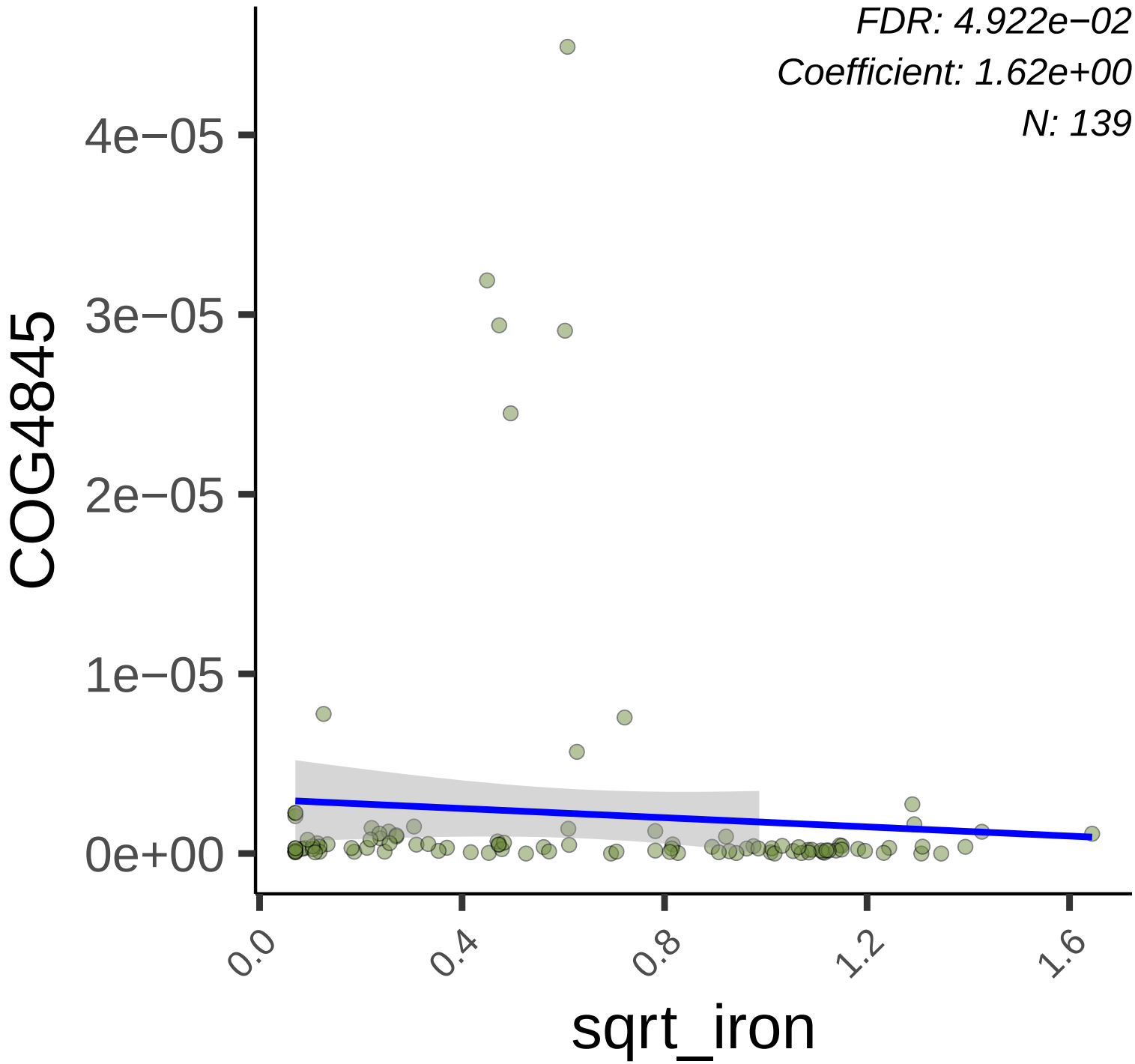

FDR: 4.834e−02
Coefficient: −2.53e−01
N: 139
0.00025
0.00020
0.00015
0.00010
0.00005
COG1232
0.0
0.4
0.8
1.2
1.6
sqrt_iron

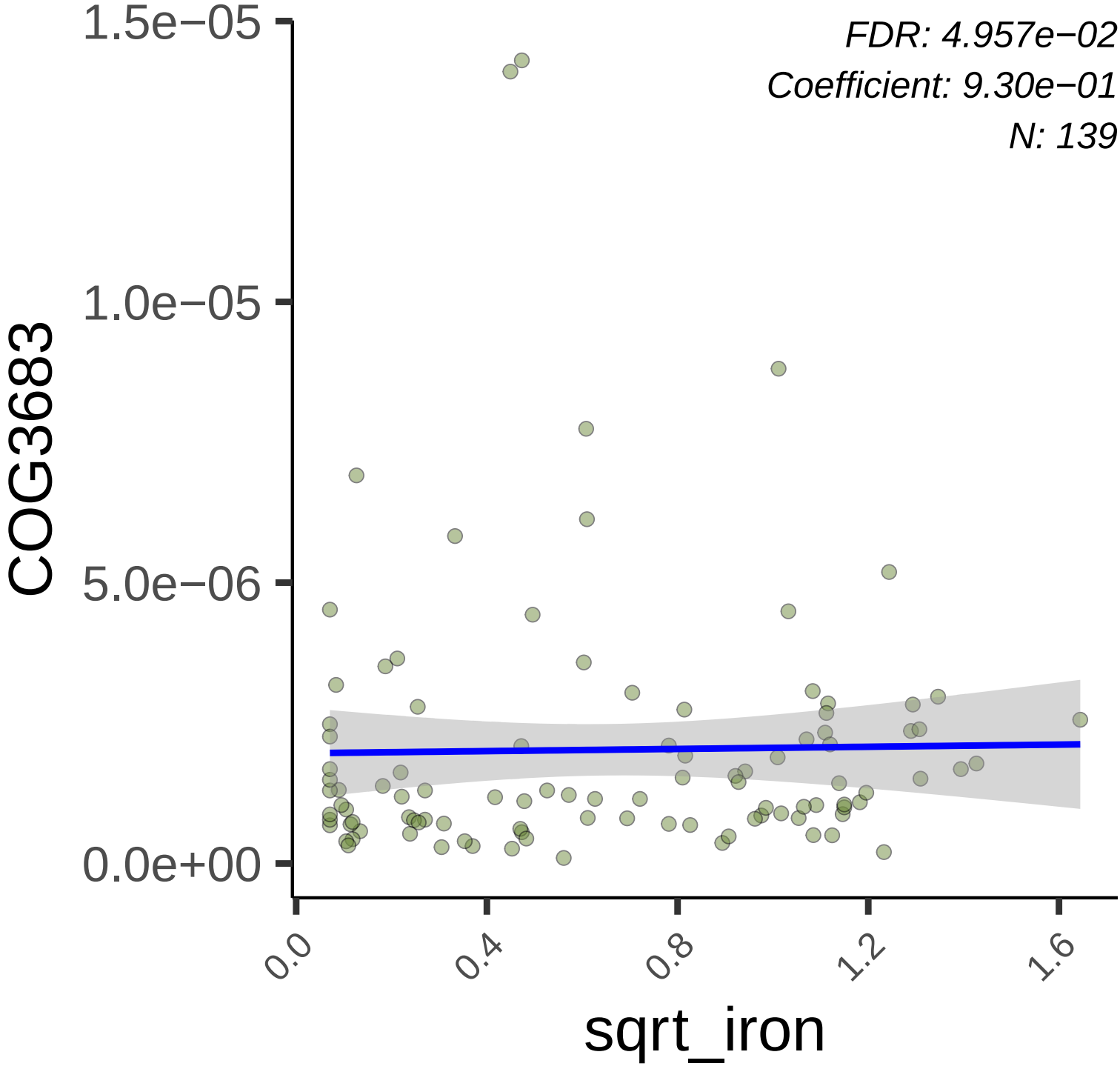

FDR: 4.853e−02
Coefficient: 8.38e−01
N: 139
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG3117
0.0
0.4
0.8
1.2
1.6
sqrt_iron

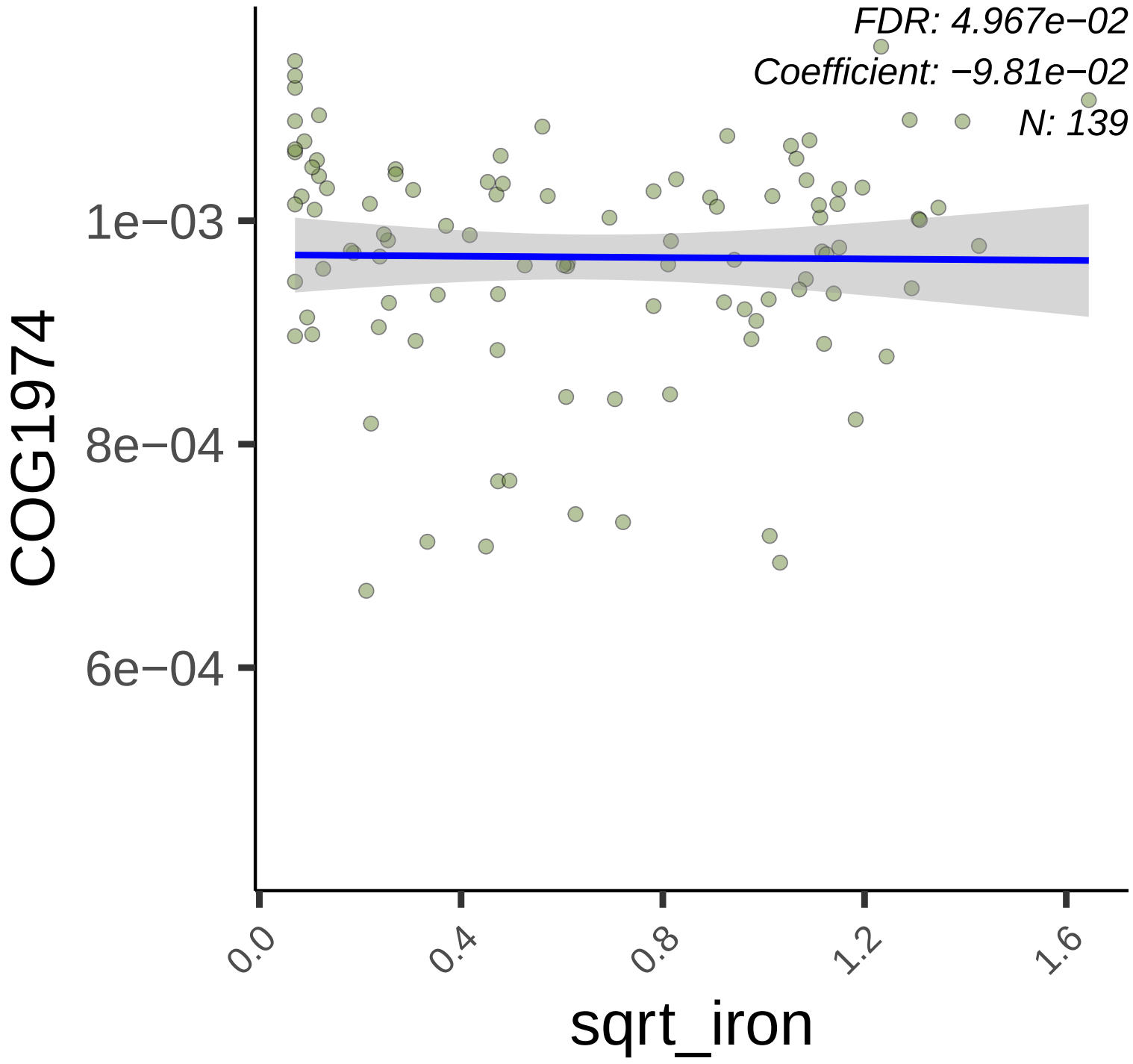

FDR: 4.857e−02
Coefficient: −6.52e−01
N: 139
COG1963
0.00015
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron

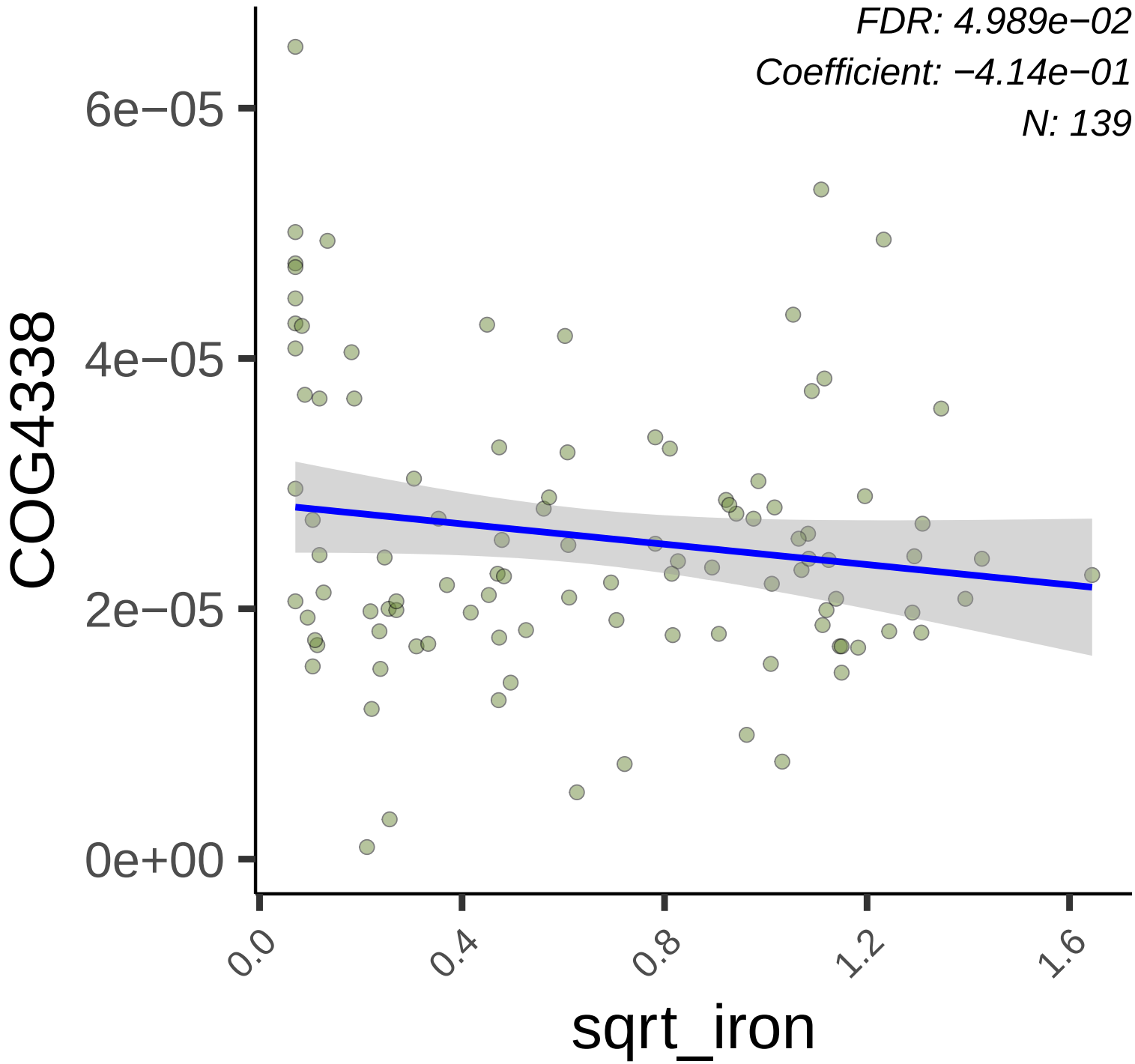

FDR: 4.908e−02
Coefficient: 8.57e−01
N: 139
COG3659
9e−05
6e−05
3e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.913e−02
Coefficient: −6.26e−01
N: 139
COG5322
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.922e−02
Coefficient: 1.62e+00
N: 139
COG4845
4e−05
3e−05
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.957e−02
Coefficient: 9.30e−01
N: 139
1.5e−05
1.0e−05
5.0e−06
0.0e+00
COG3683
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.967e−02
Coefficient: −9.81e−02
N: 139
1e−03
8e−04
6e−04
COG1974
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.989e−02
Coefficient: −4.14e−01
N: 139
COG4338
6e−05
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron