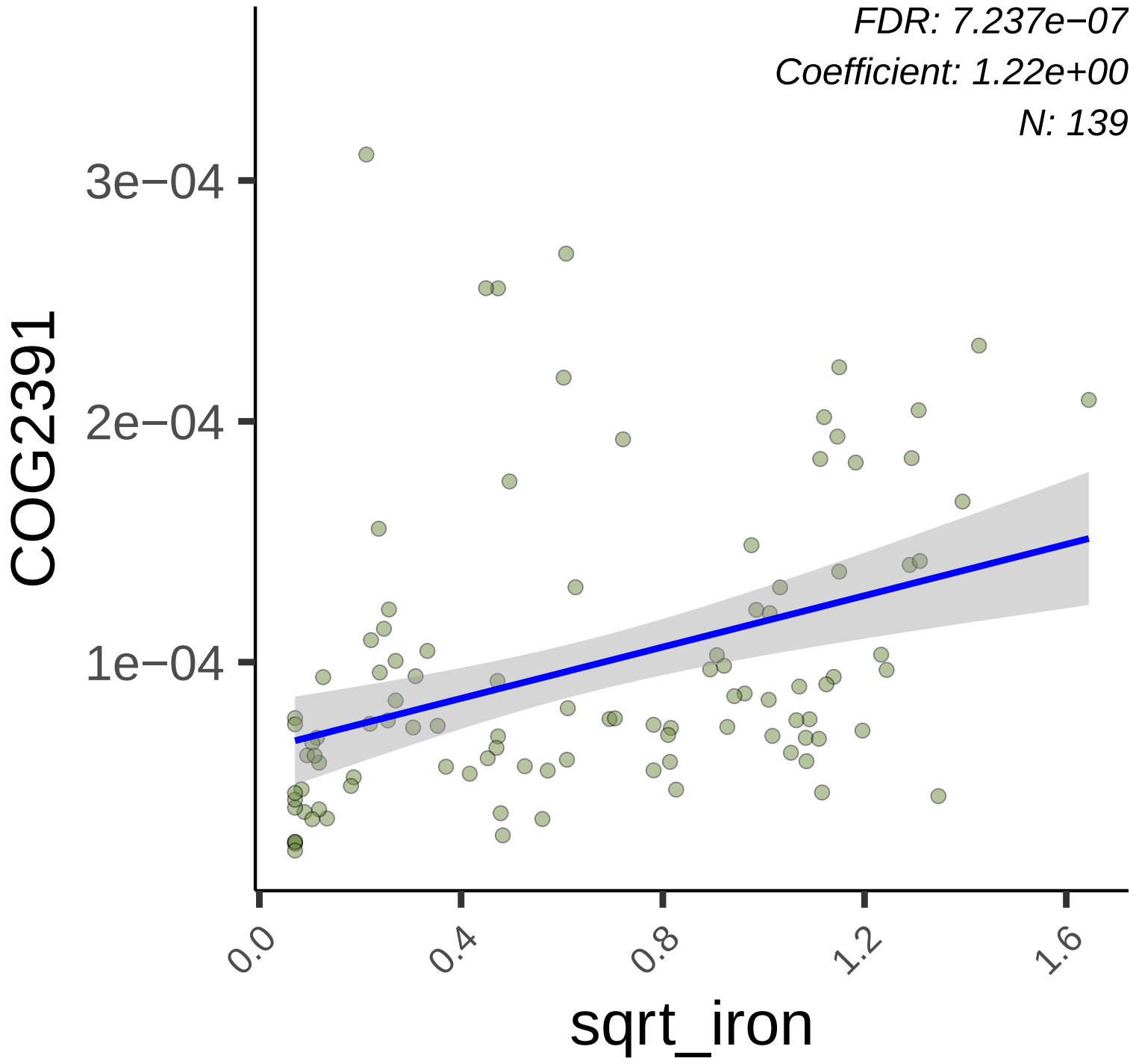
FDR: 7.237e−07
Coefficient: 1.22e+00
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COG2391
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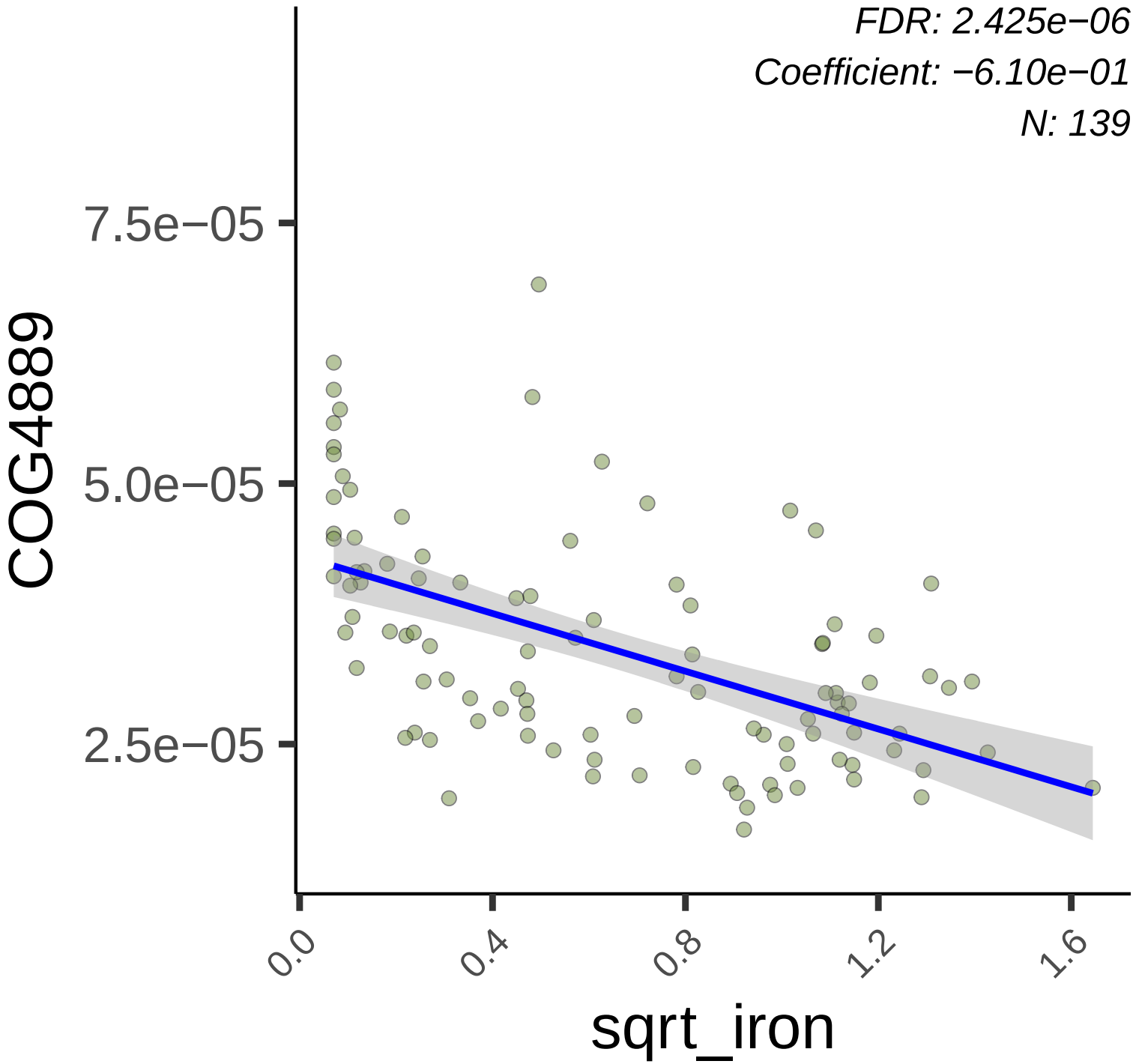
sqrt_iron


FDR: 2.425e−06
Coefficient: −6.10e−01
N: 139
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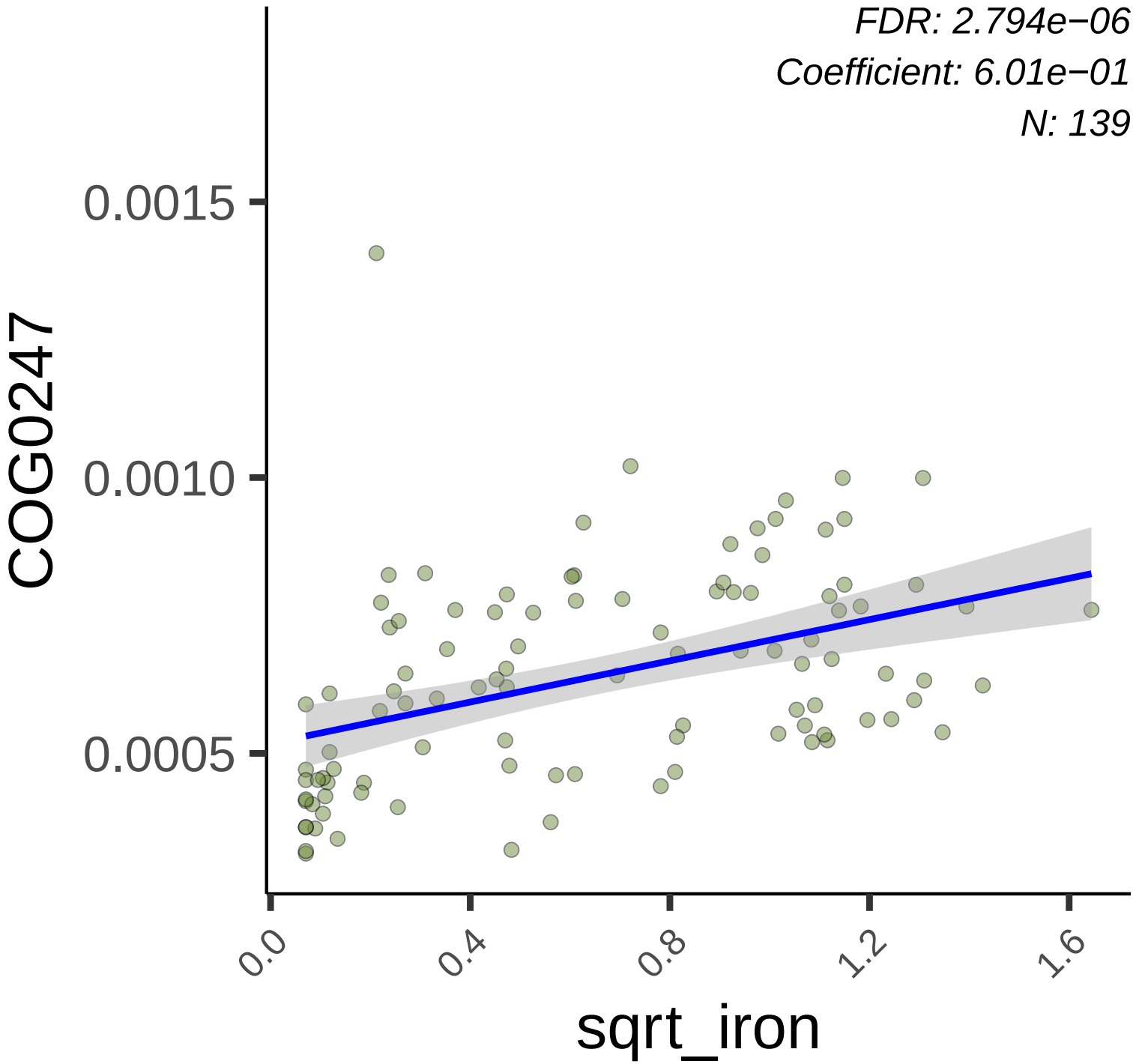
sqrt_iron


FDR: 2.794e−06
Coefficient: 6.01e−01
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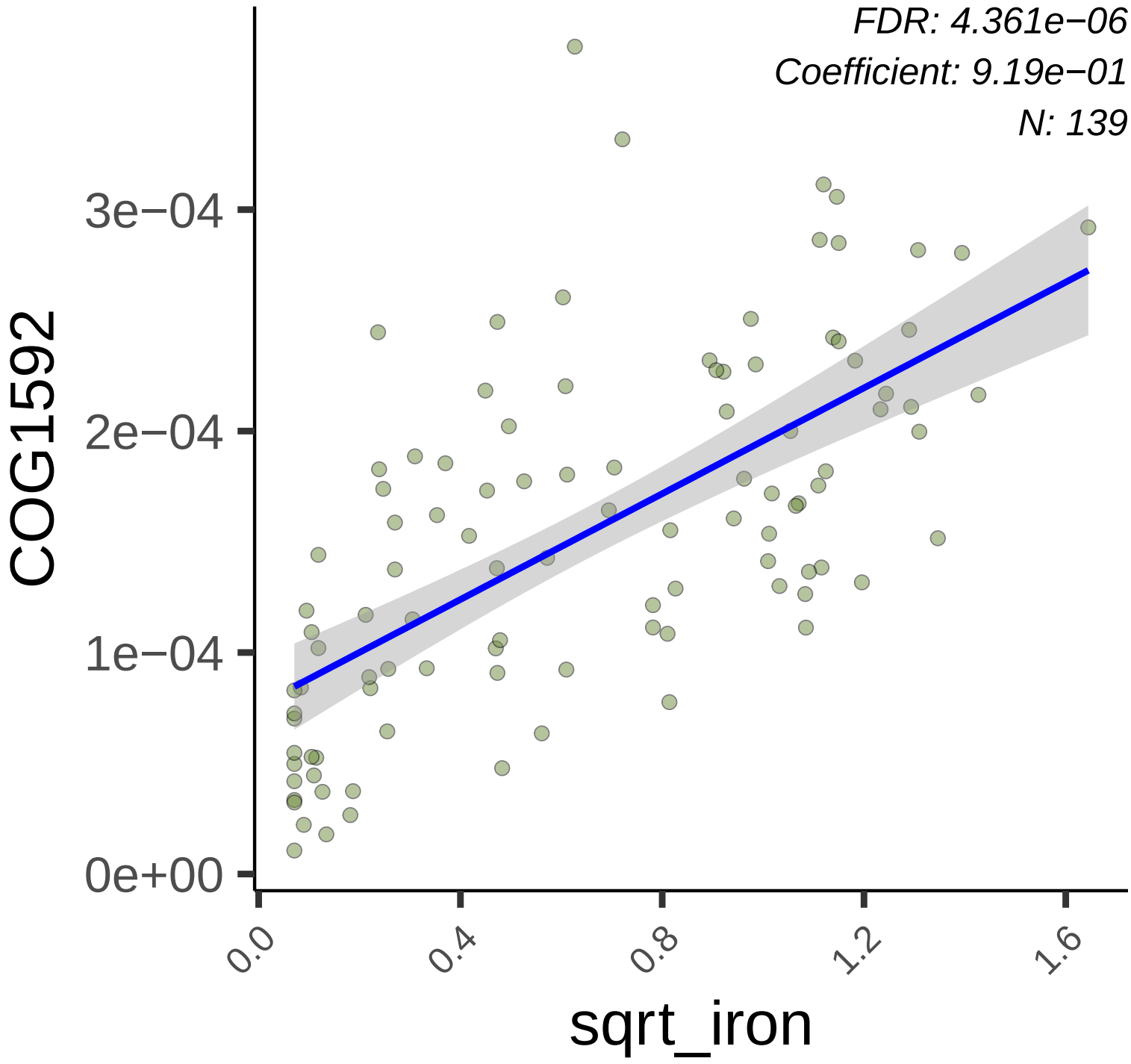
sqrt_iron


FDR: 4.361e−06
Coefficient: 9.19e−01
N: 139
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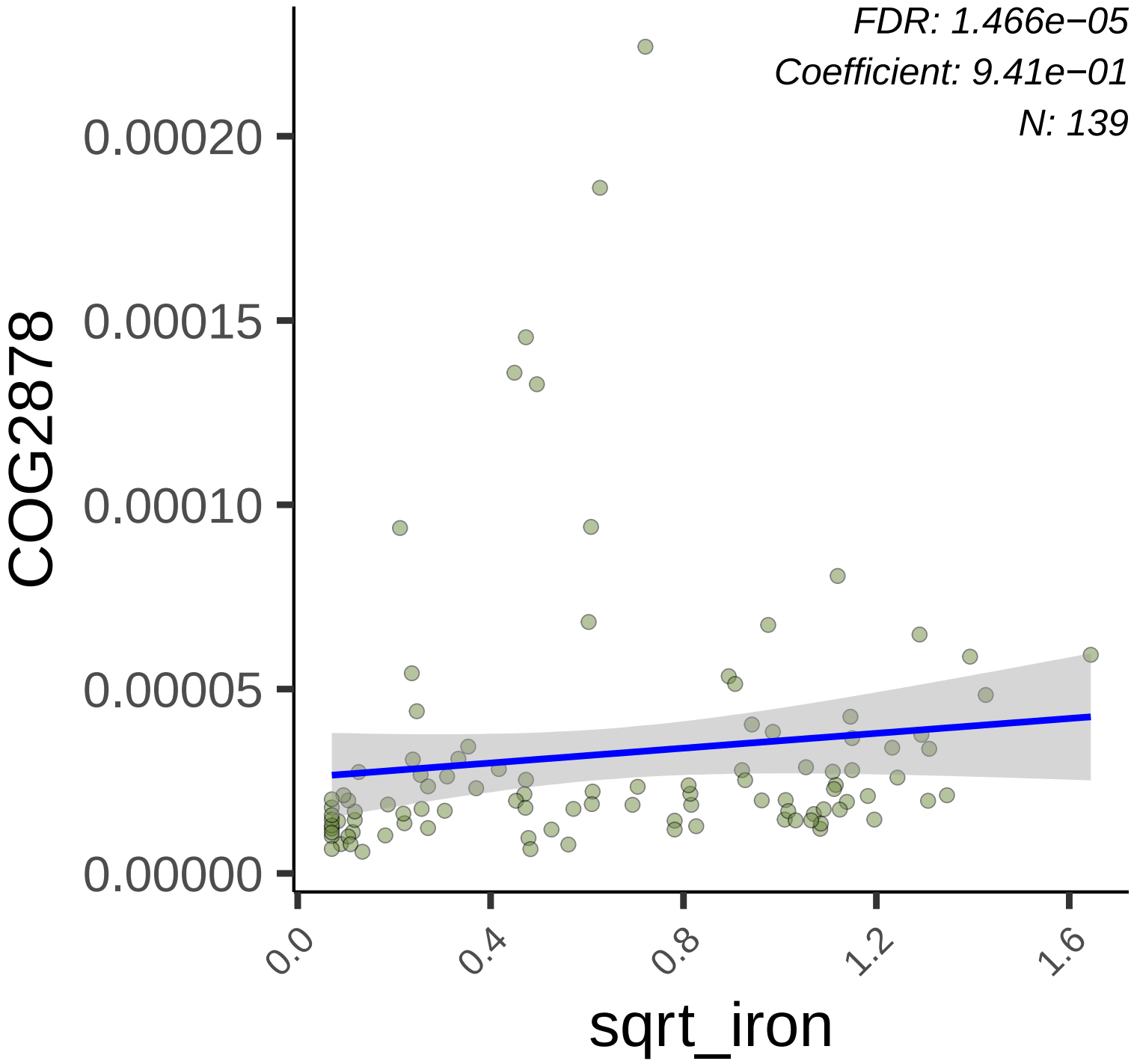
sqrt_iron


FDR: 1.466e−05
Coefficient: 9.41e−01
N: 139
COG2878
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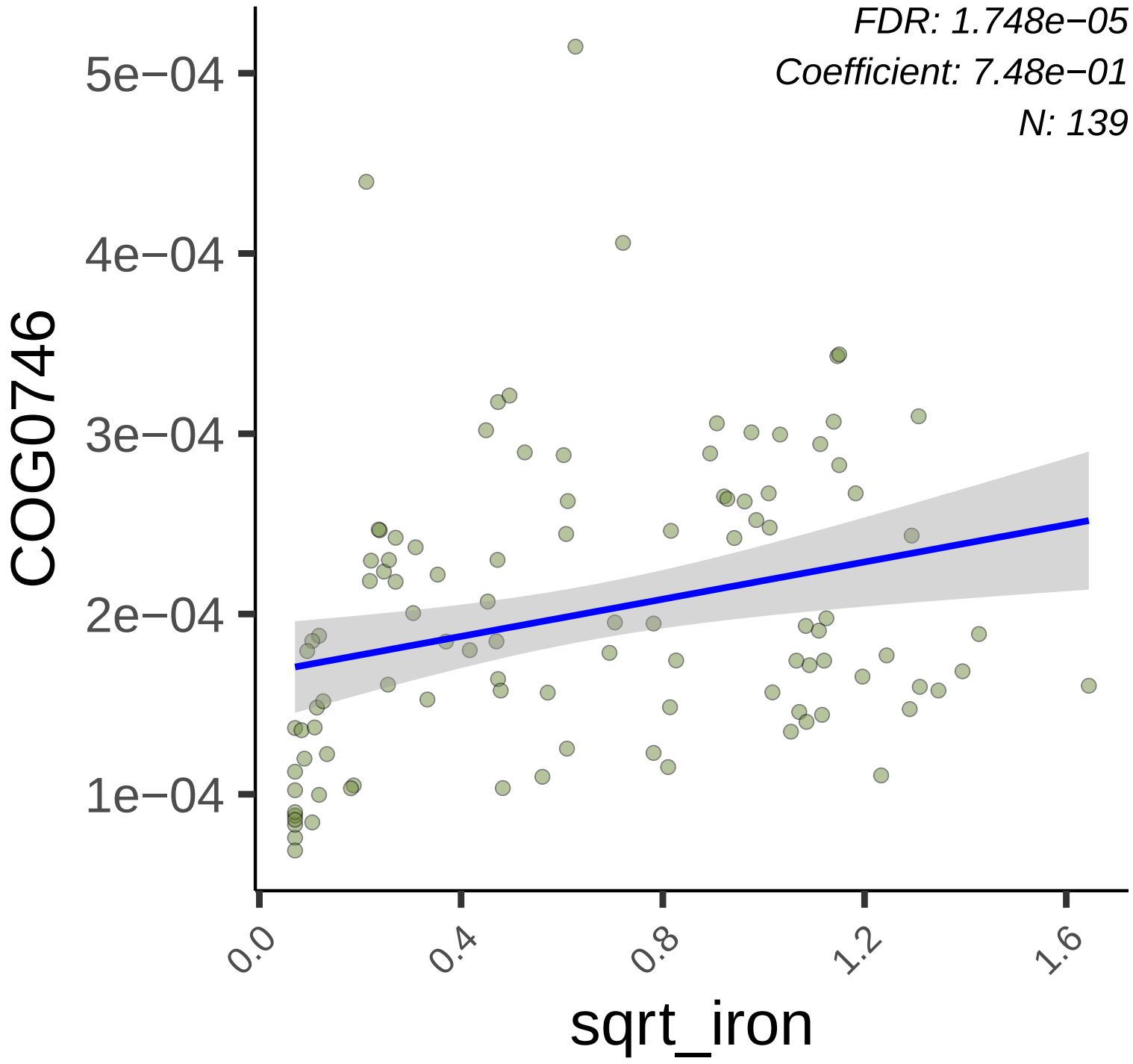
sqrt_iron


FDR: 1.748e−05
Coefficient: 7.48e−01
N: 139
COG0746
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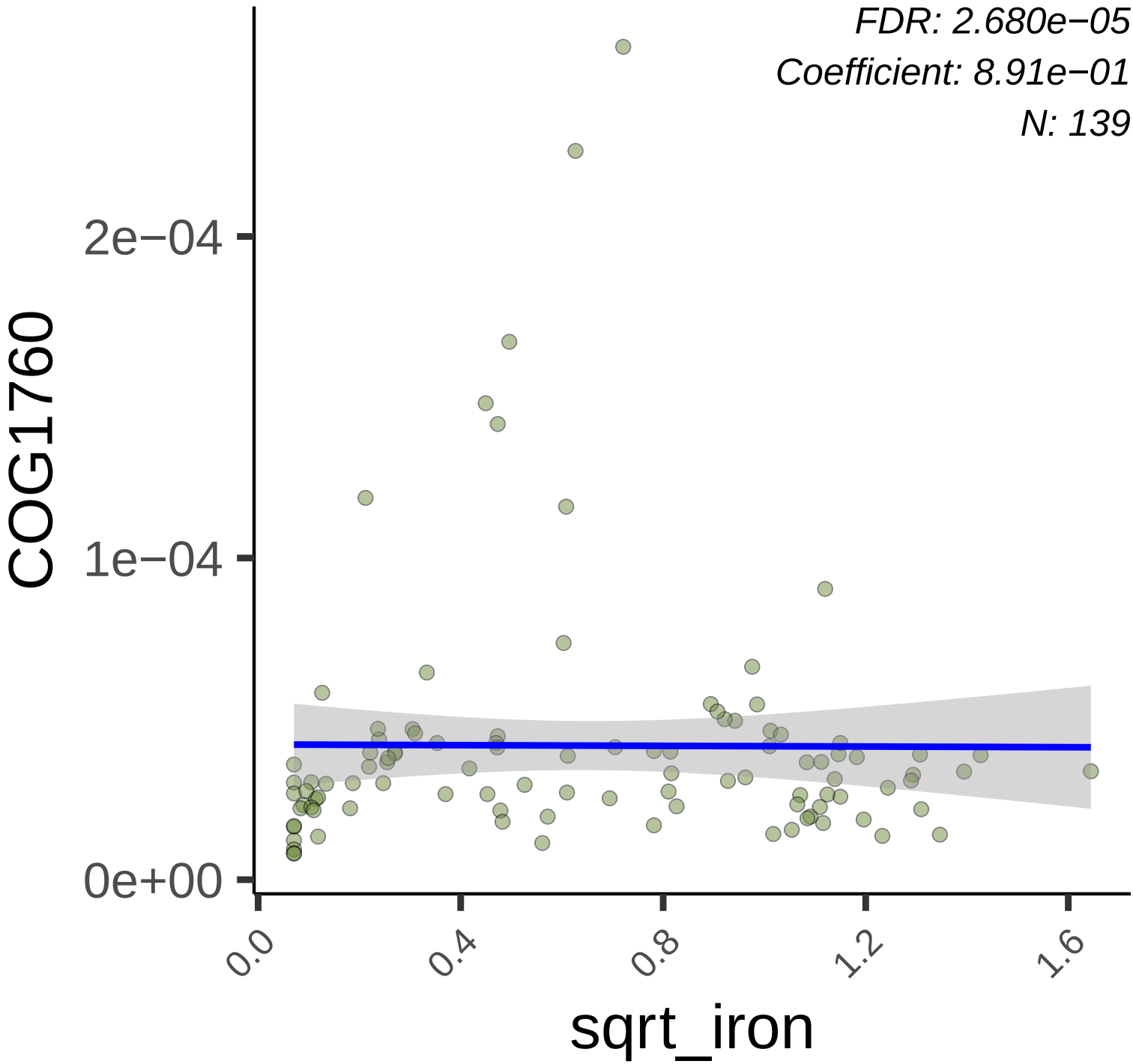
FDR: 2.680e−05
Coefficient: 8.91e−01
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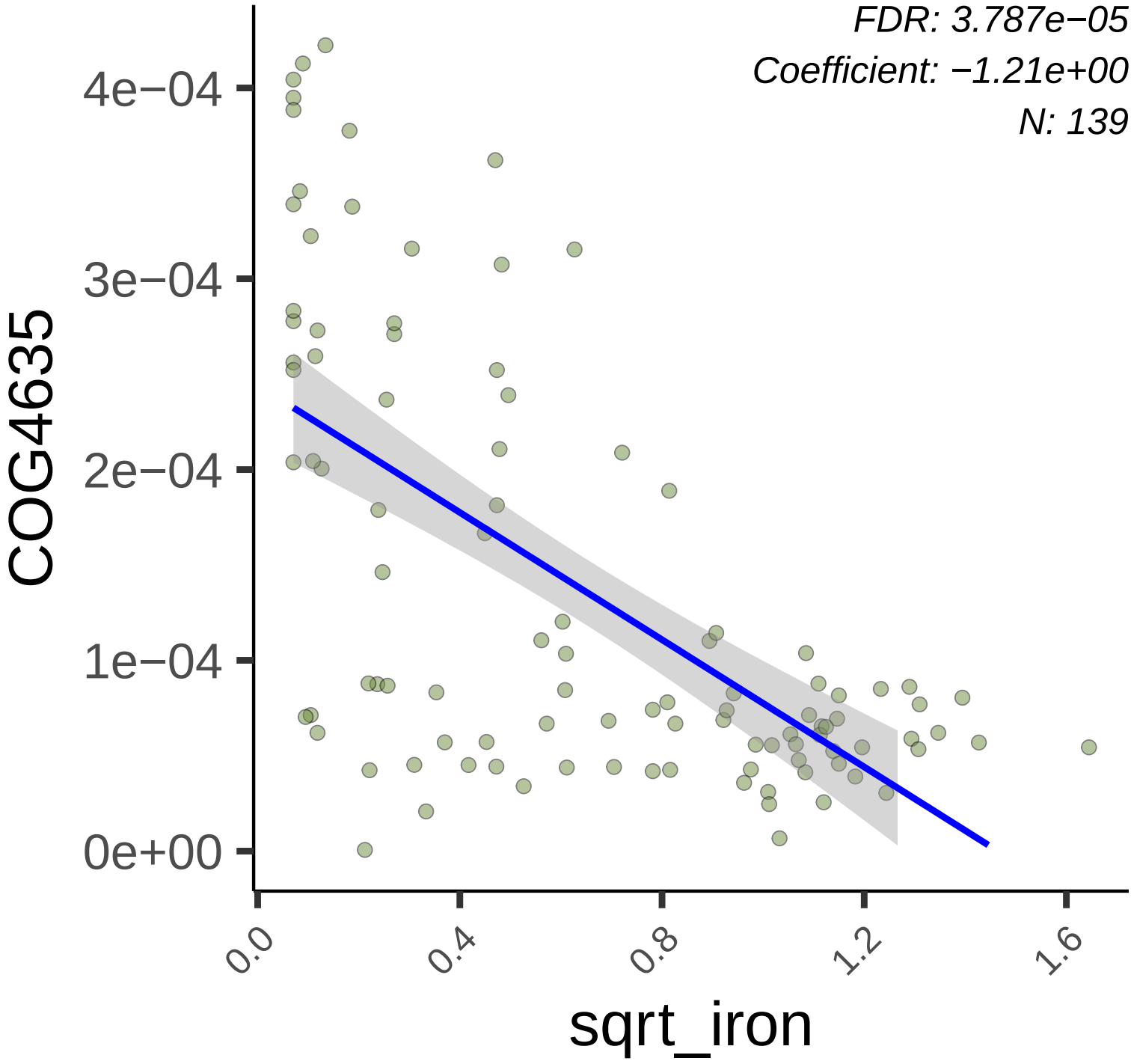
FDR: 3.787e−05
Coefficient: −1.21e+00
N: 139
COG4635
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0.4
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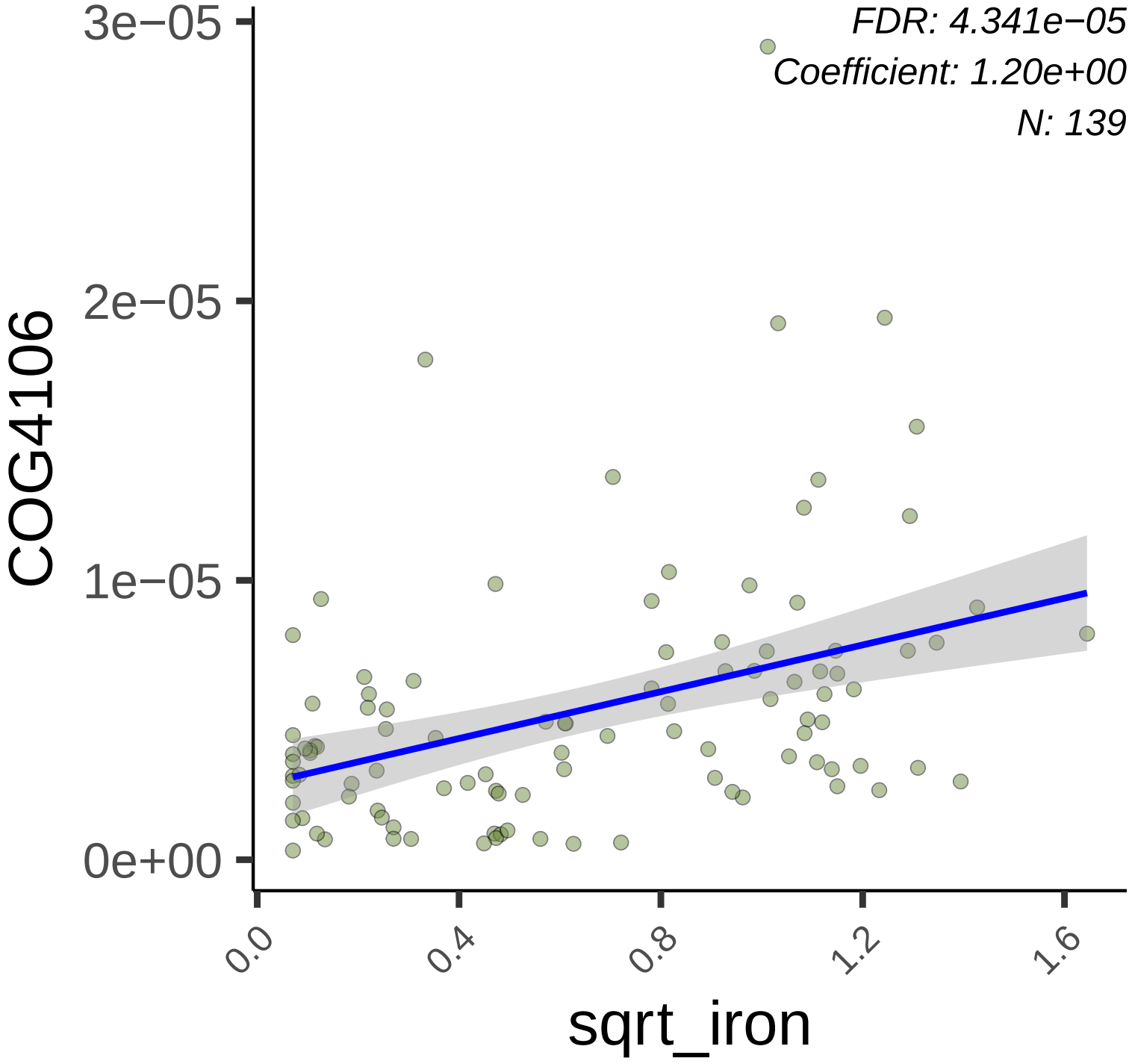
1.6
sqrt_iron


FDR: 4.341e−05
Coefficient: 1.20e+00
N: 139
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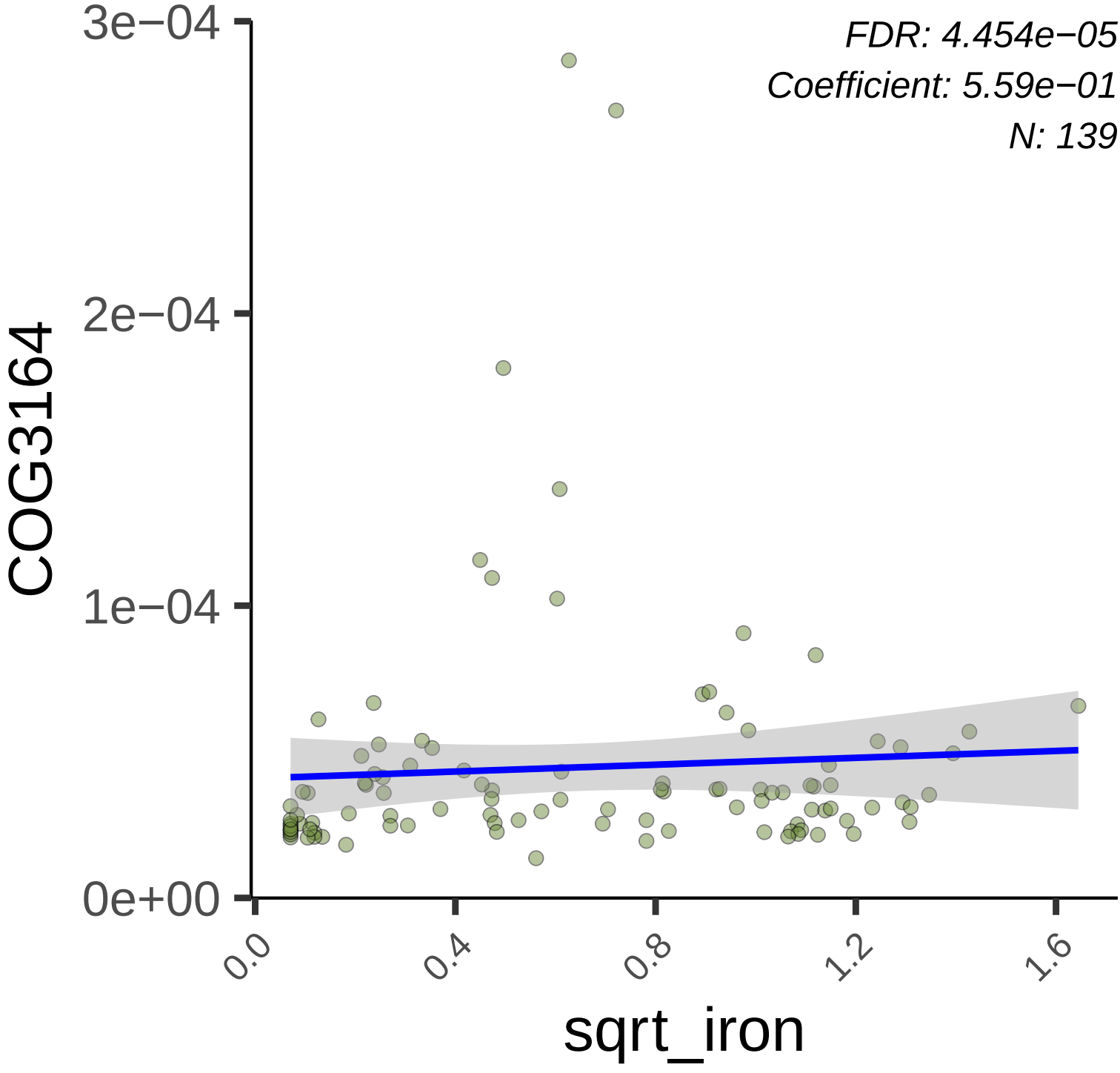
1.6
sqrt_iron


FDR: 4.454e−05
Coefficient: 5.59e−01
N: 139
COG3164
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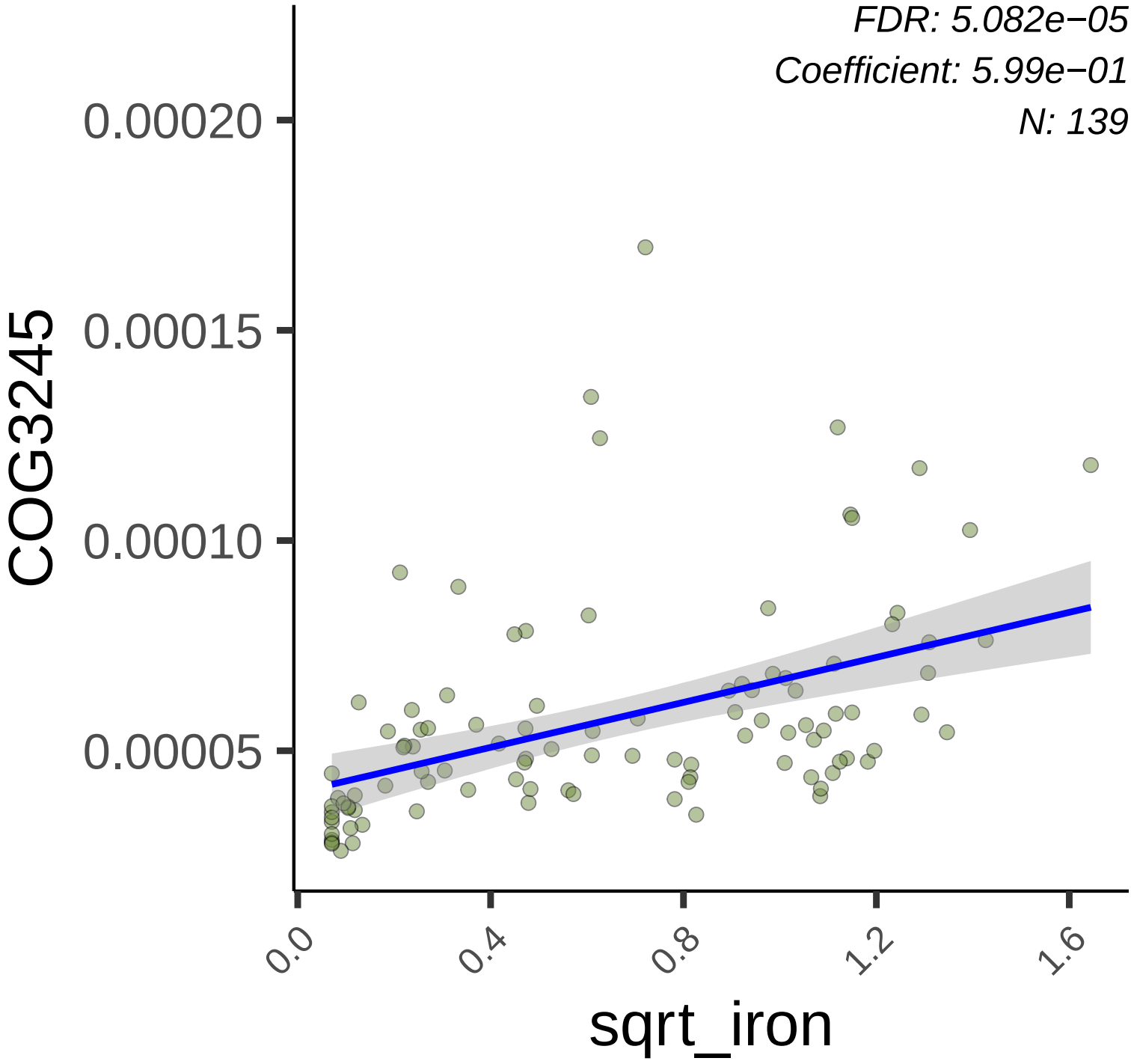
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.082e−05
Coefficient: 5.99e−01
N: 139
COG3245
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0.4
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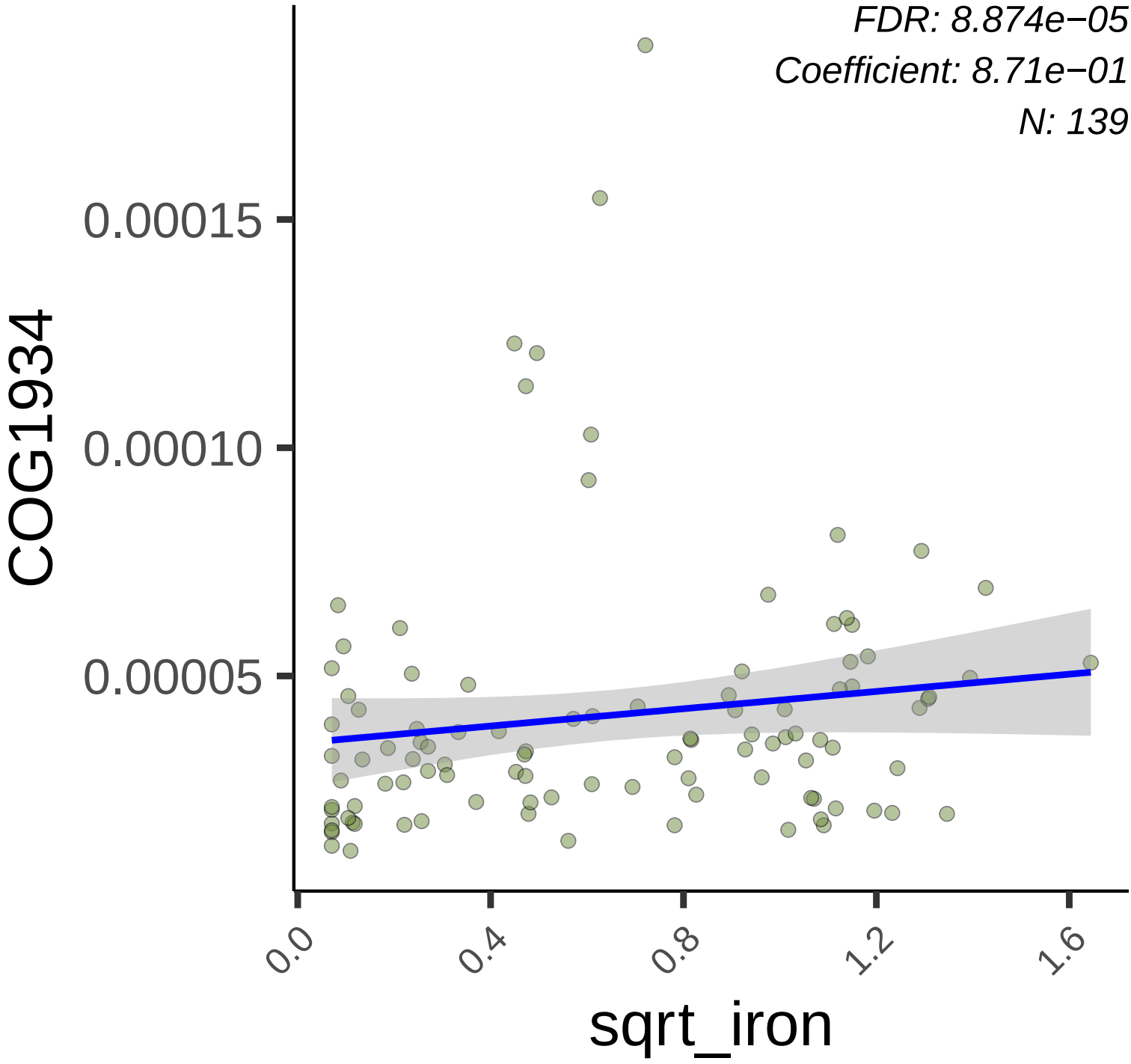
1.6
sqrt_iron


FDR: 8.874e−05
Coefficient: 8.71e−01
N: 139
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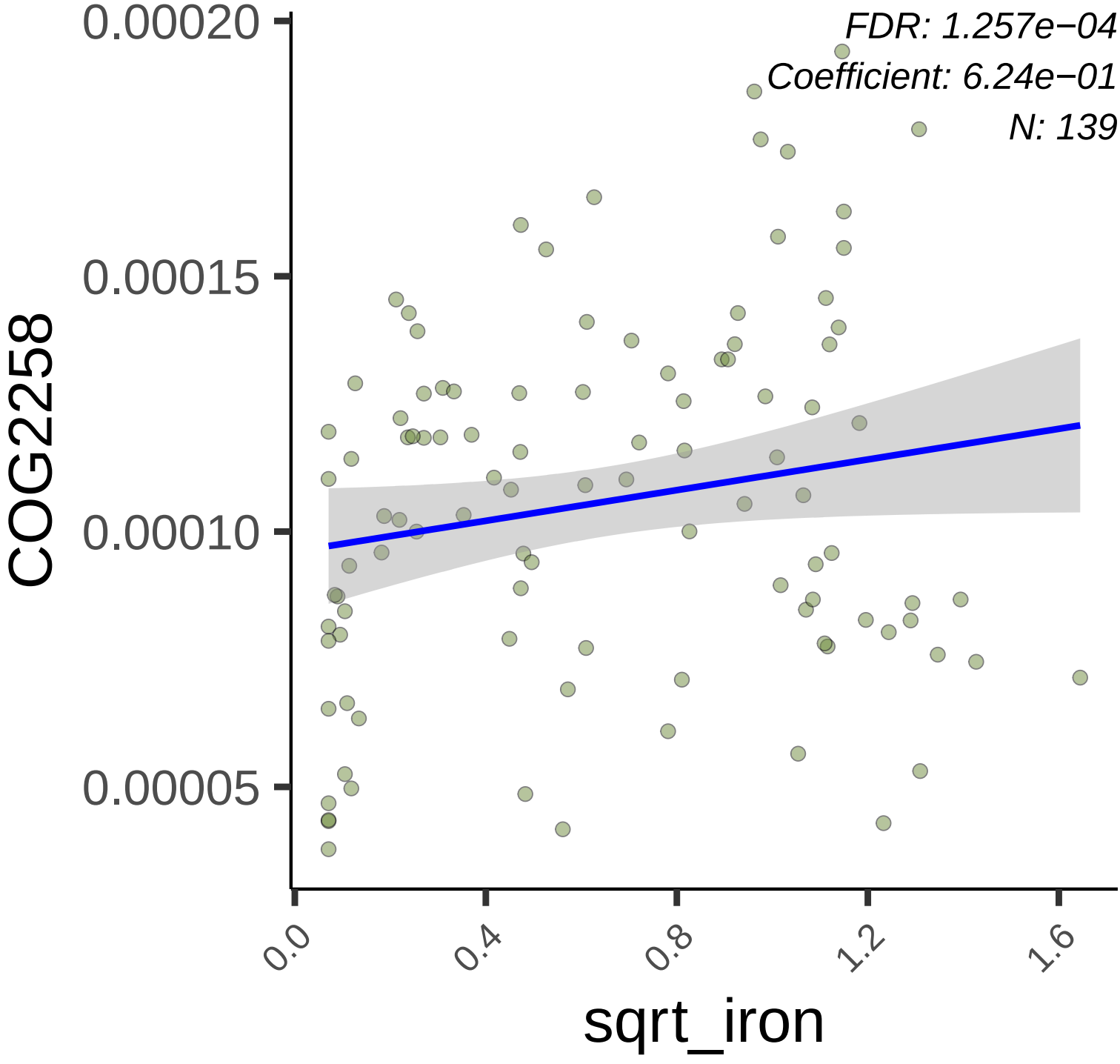
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.257e−04
Coefficient: 6.24e−01
N: 139
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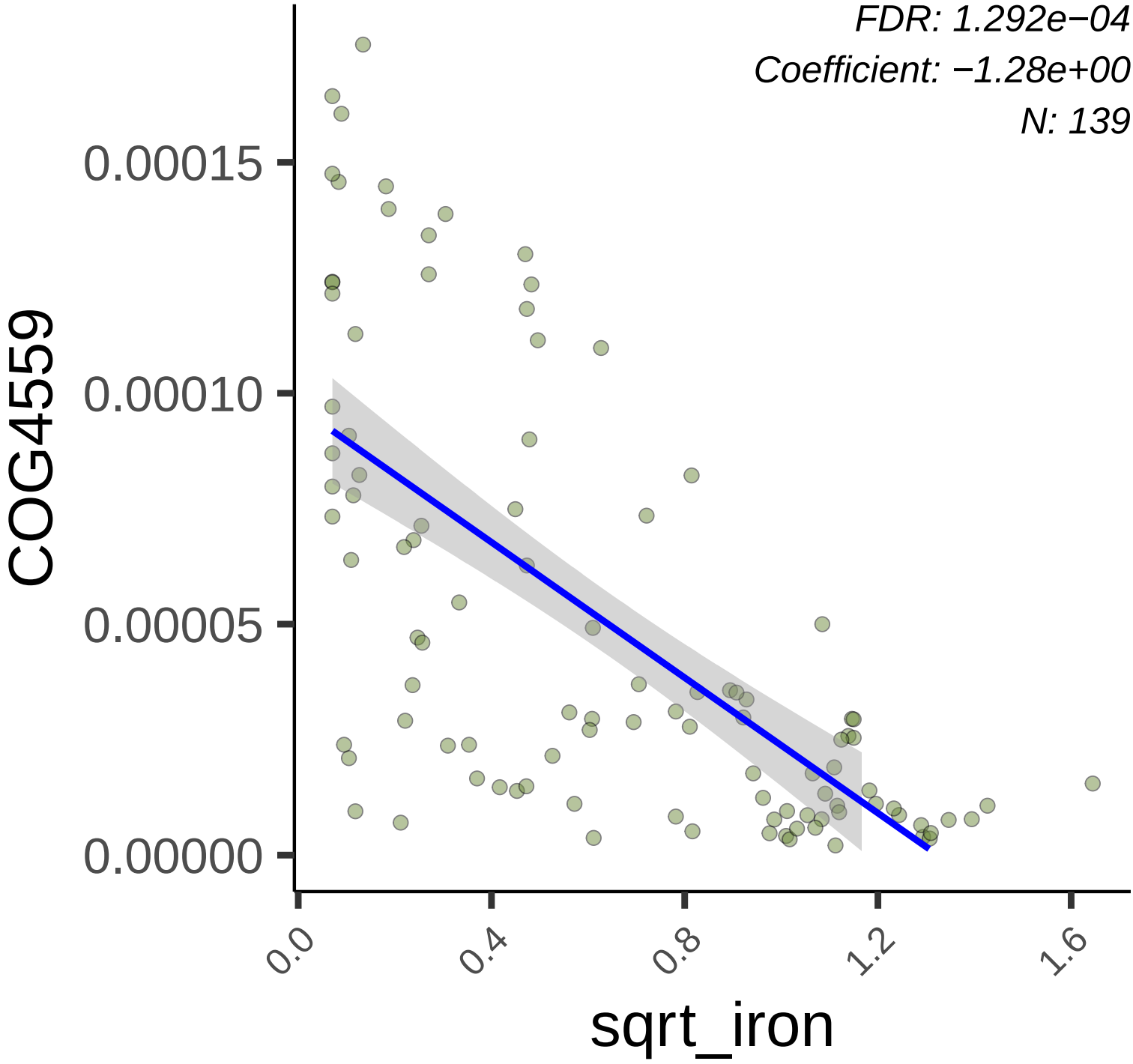
1.6
sqrt_iron


FDR: 1.292e−04
Coefficient: −1.28e+00
N: 139
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0.4
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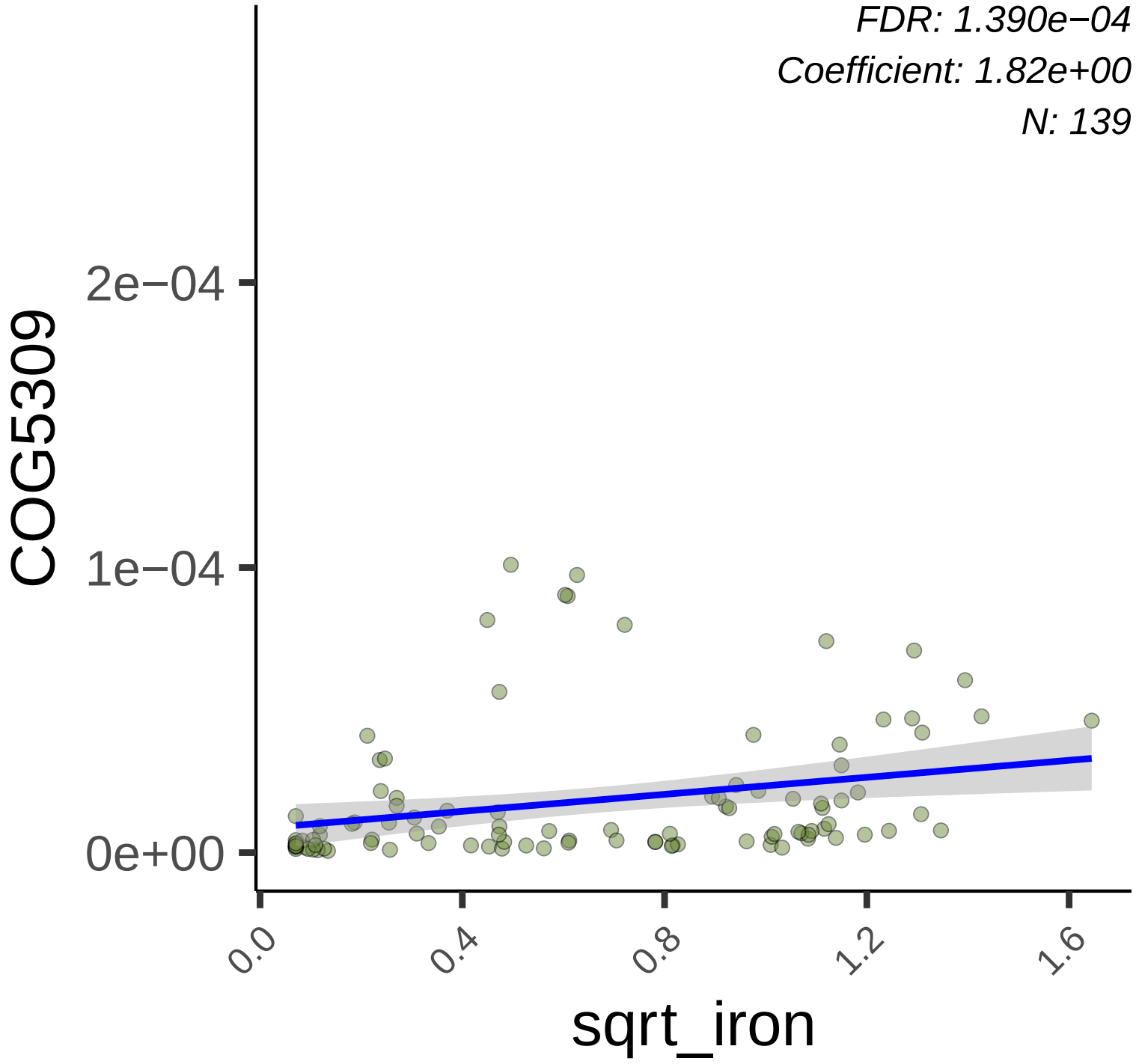
1.6
sqrt_iron


FDR: 1.390e−04
Coefficient: 1.82e+00
N: 139
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1.2
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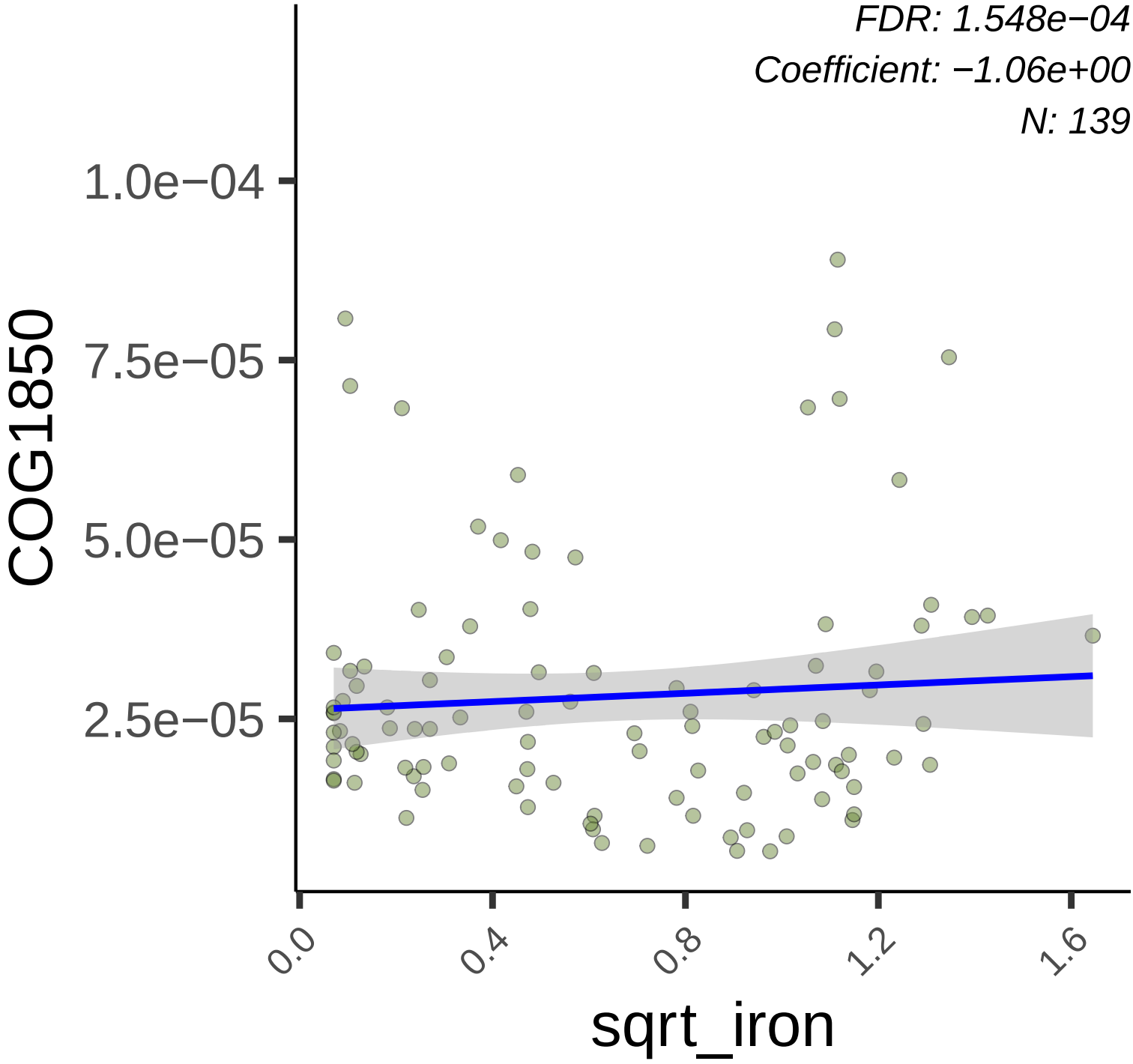
sqrt_iron


FDR: 1.548e−04
Coefficient: −1.06e+00
N: 139
COG1850
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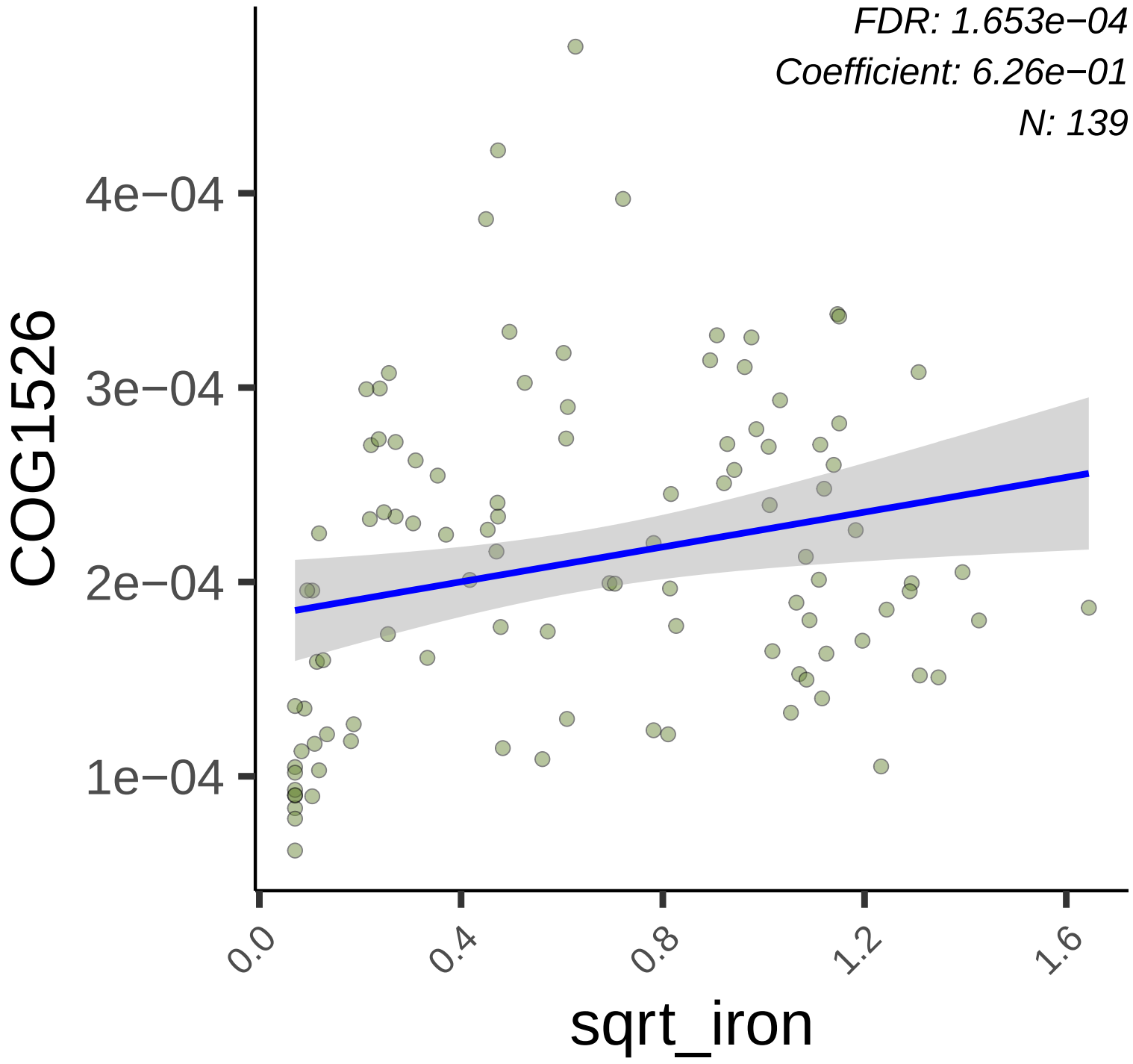
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.653e−04
Coefficient: 6.26e−01
N: 139
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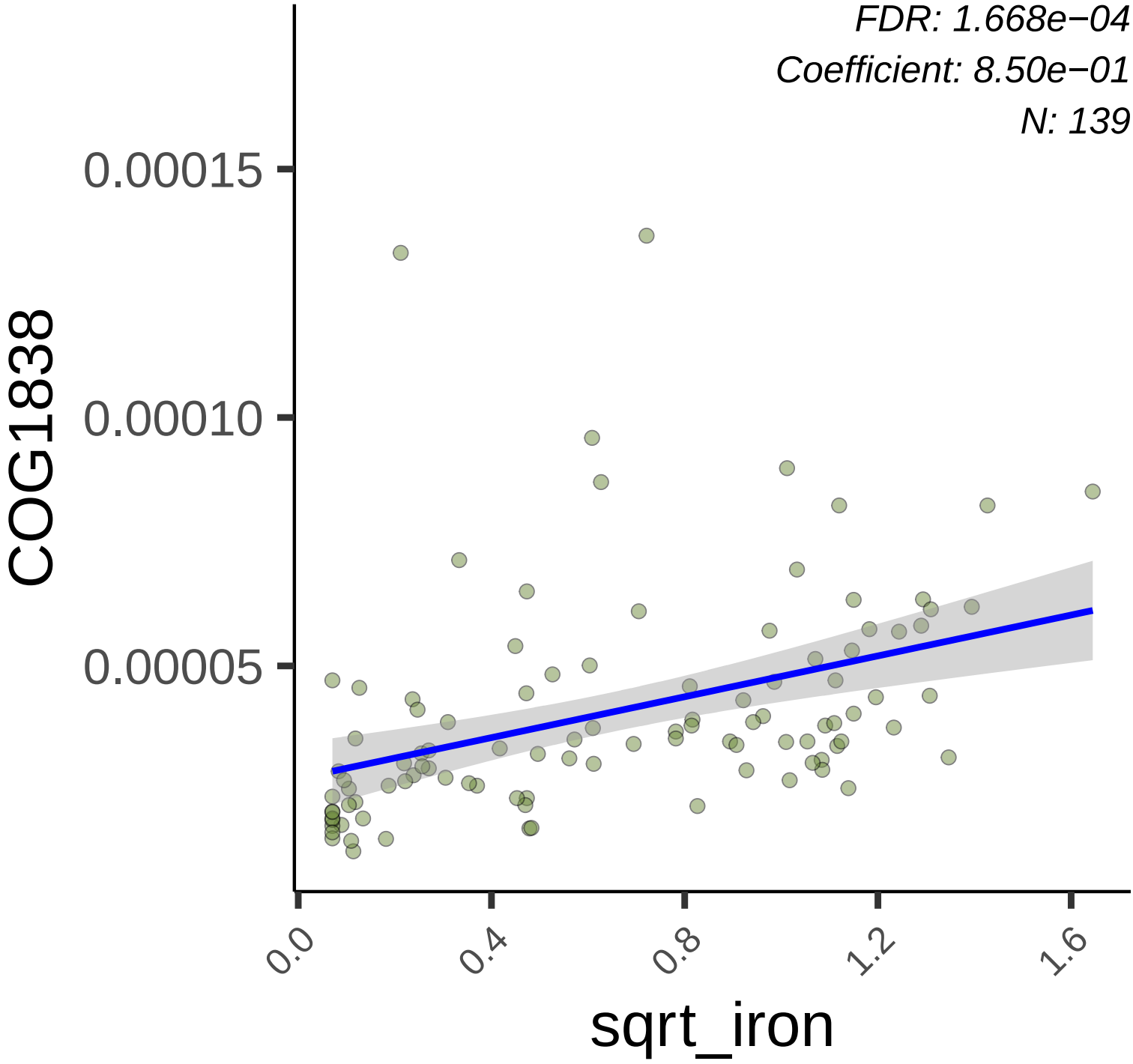
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.668e−04
Coefficient: 8.50e−01
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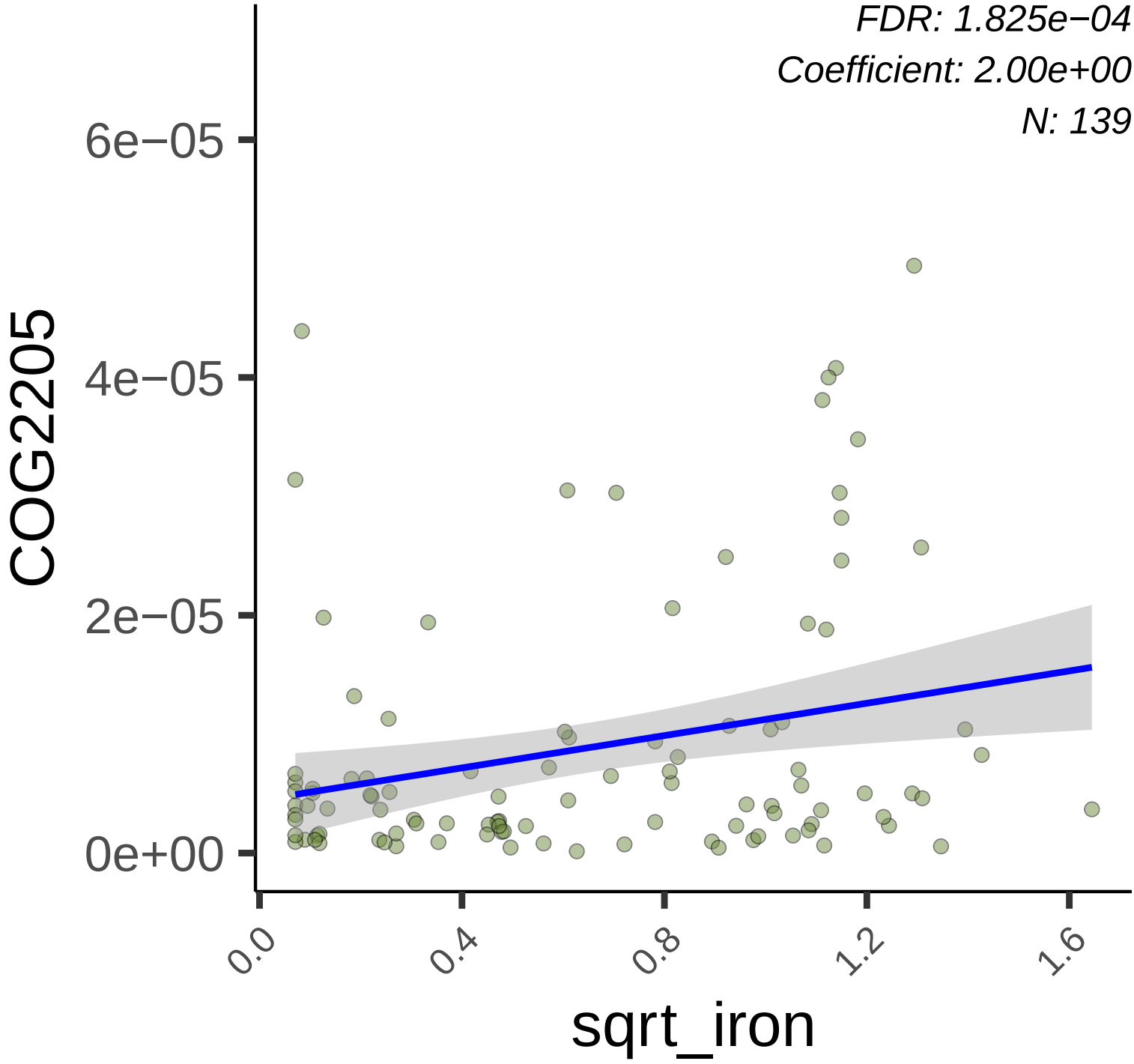
sqrt_iron


FDR: 1.825e−04
Coefficient: 2.00e+00
N: 139
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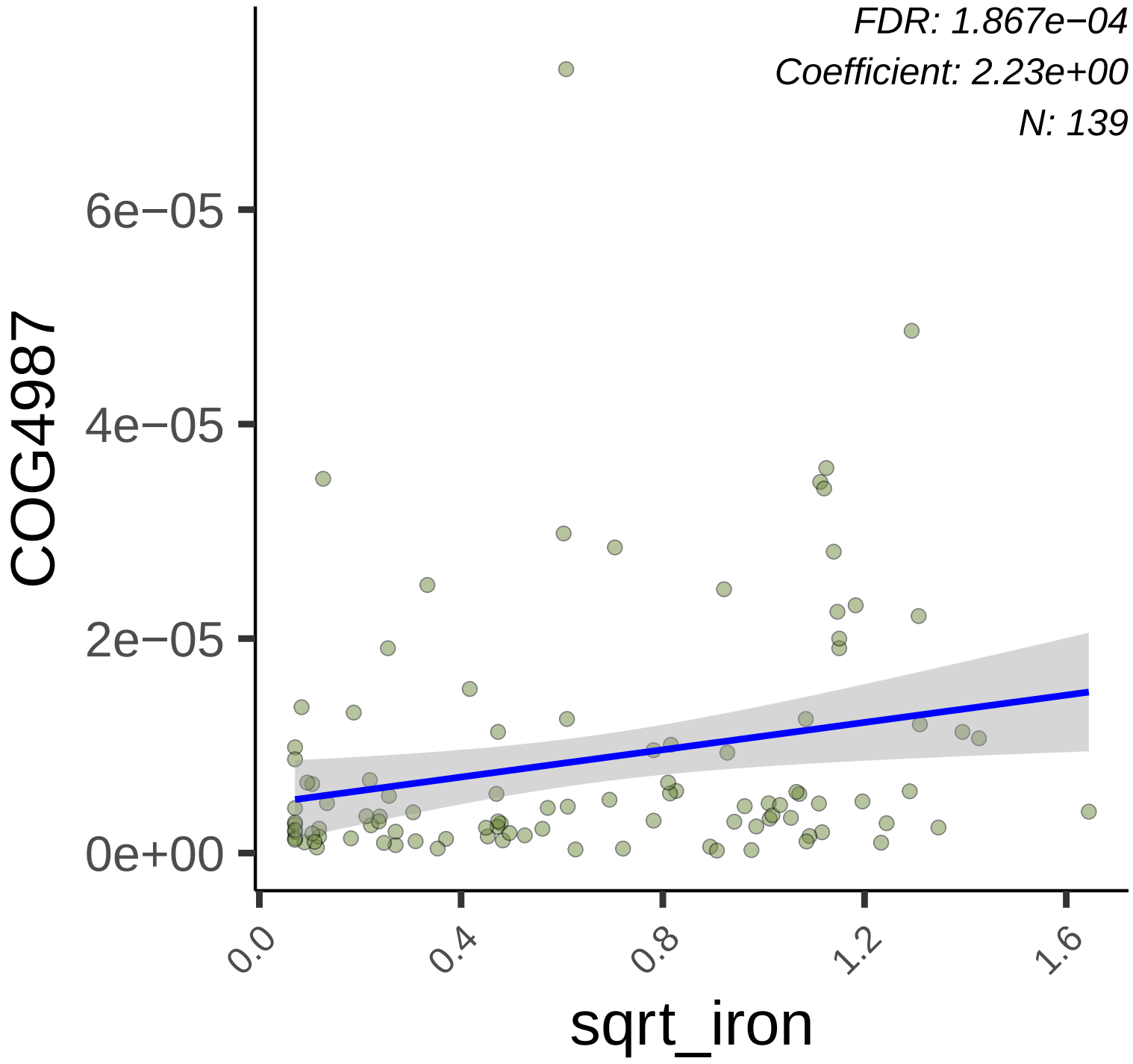
1.2
1.6
sqrt_iron


FDR: 1.867e−04
Coefficient: 2.23e+00
N: 139
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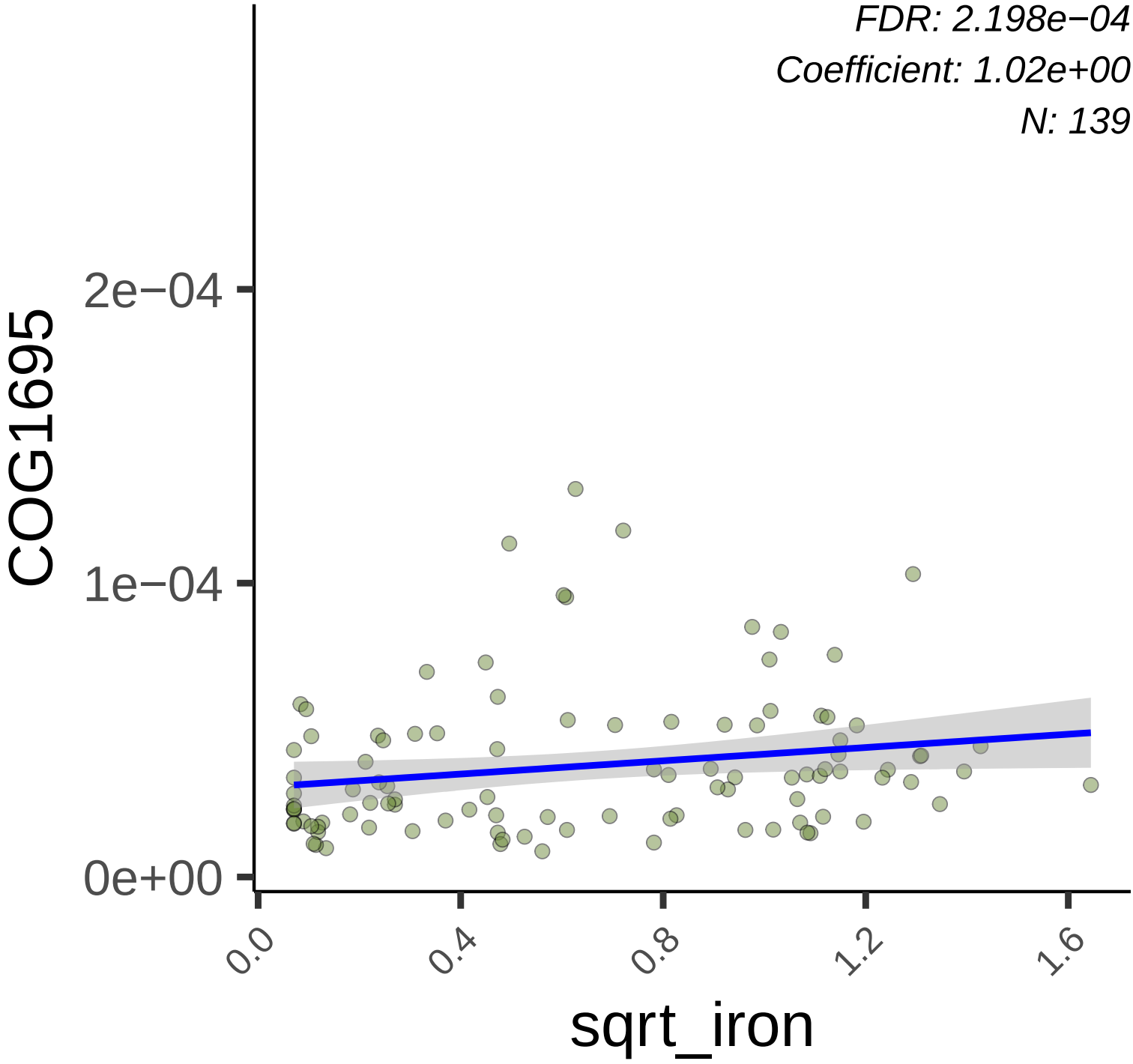
1.6
sqrt_iron


FDR: 2.198e−04
Coefficient: 1.02e+00
N: 139
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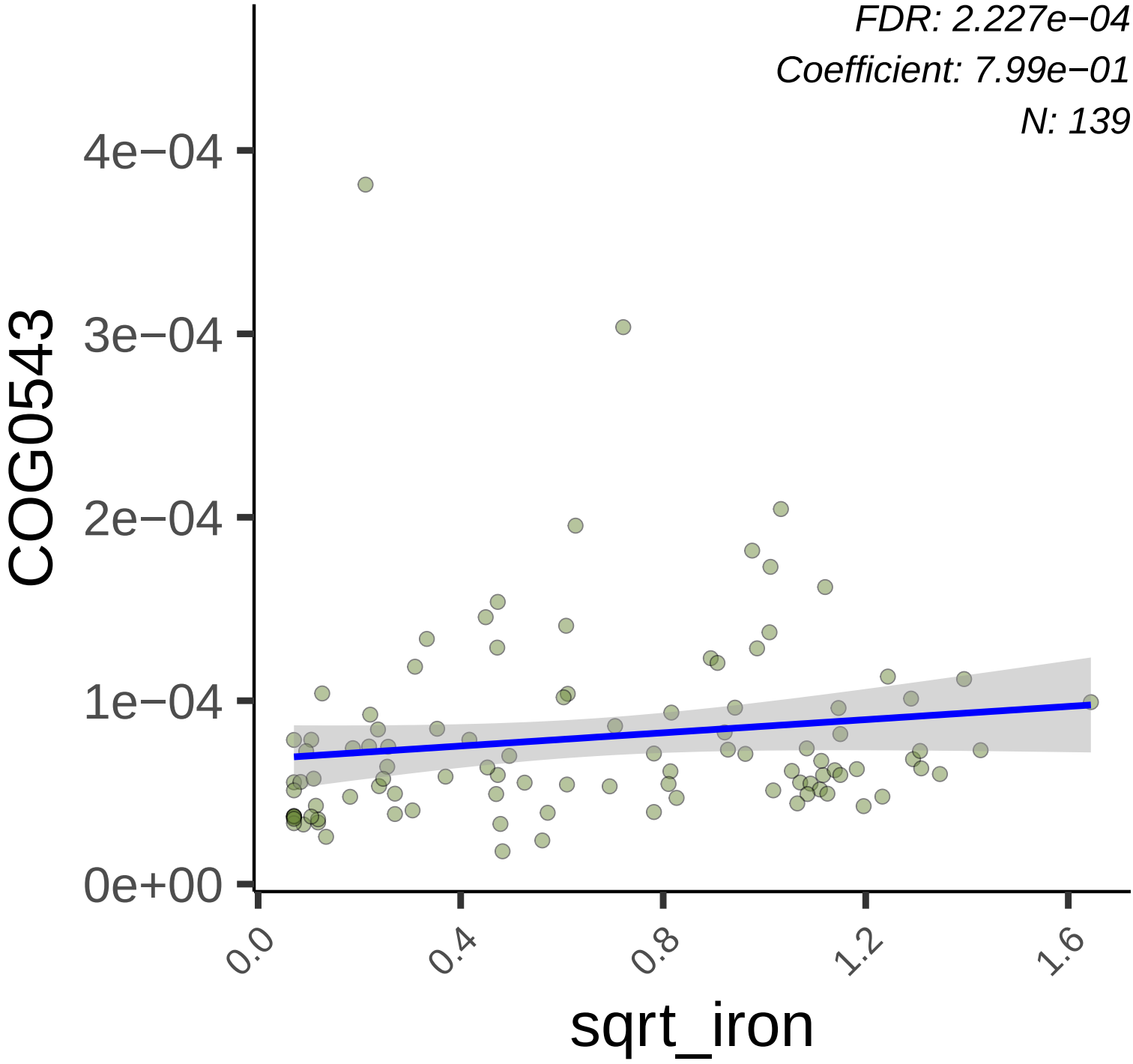
sqrt_iron


FDR: 2.227e−04
Coefficient: 7.99e−01
N: 139
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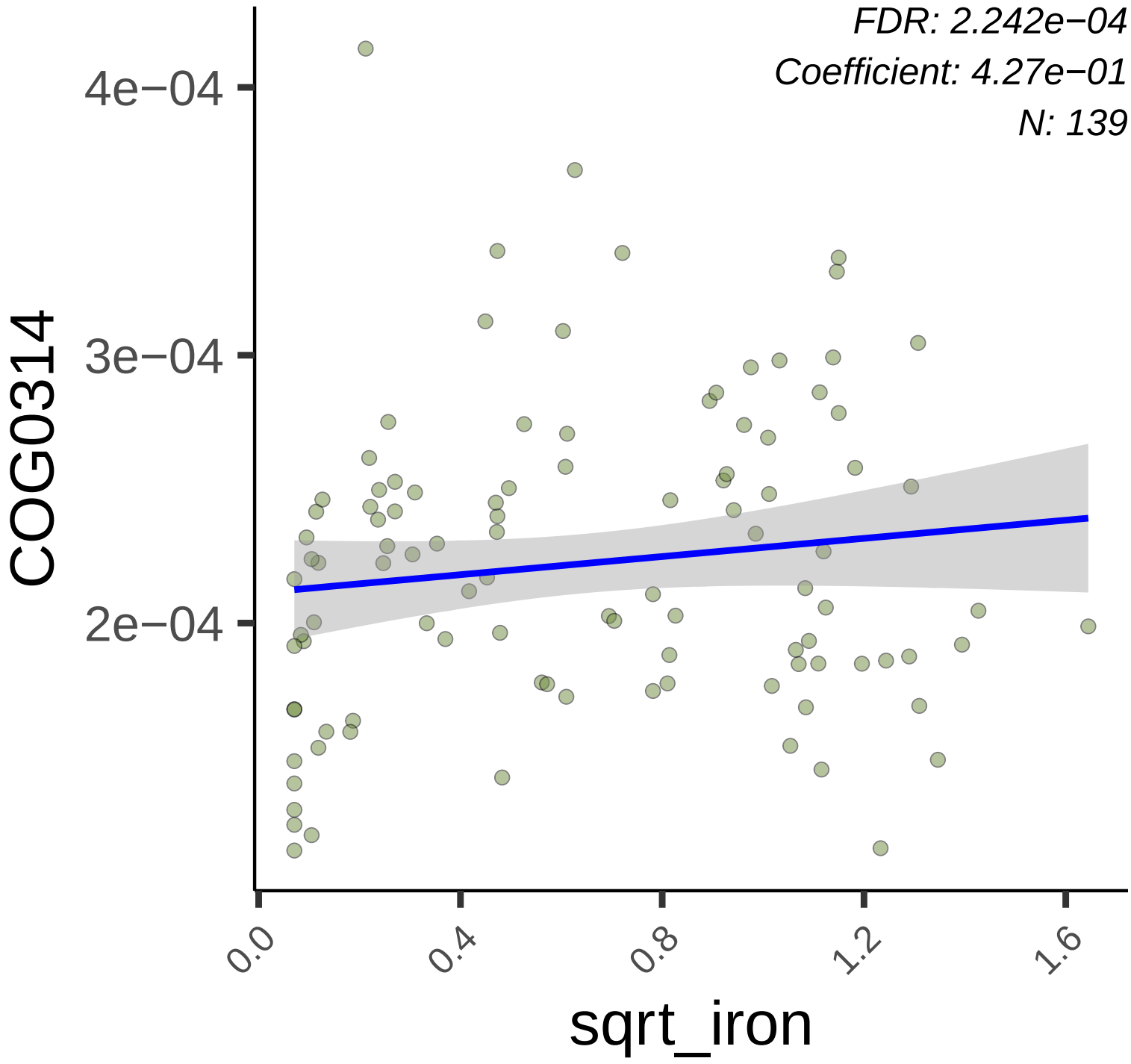
sqrt_iron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Coefficient: 4.27e−01
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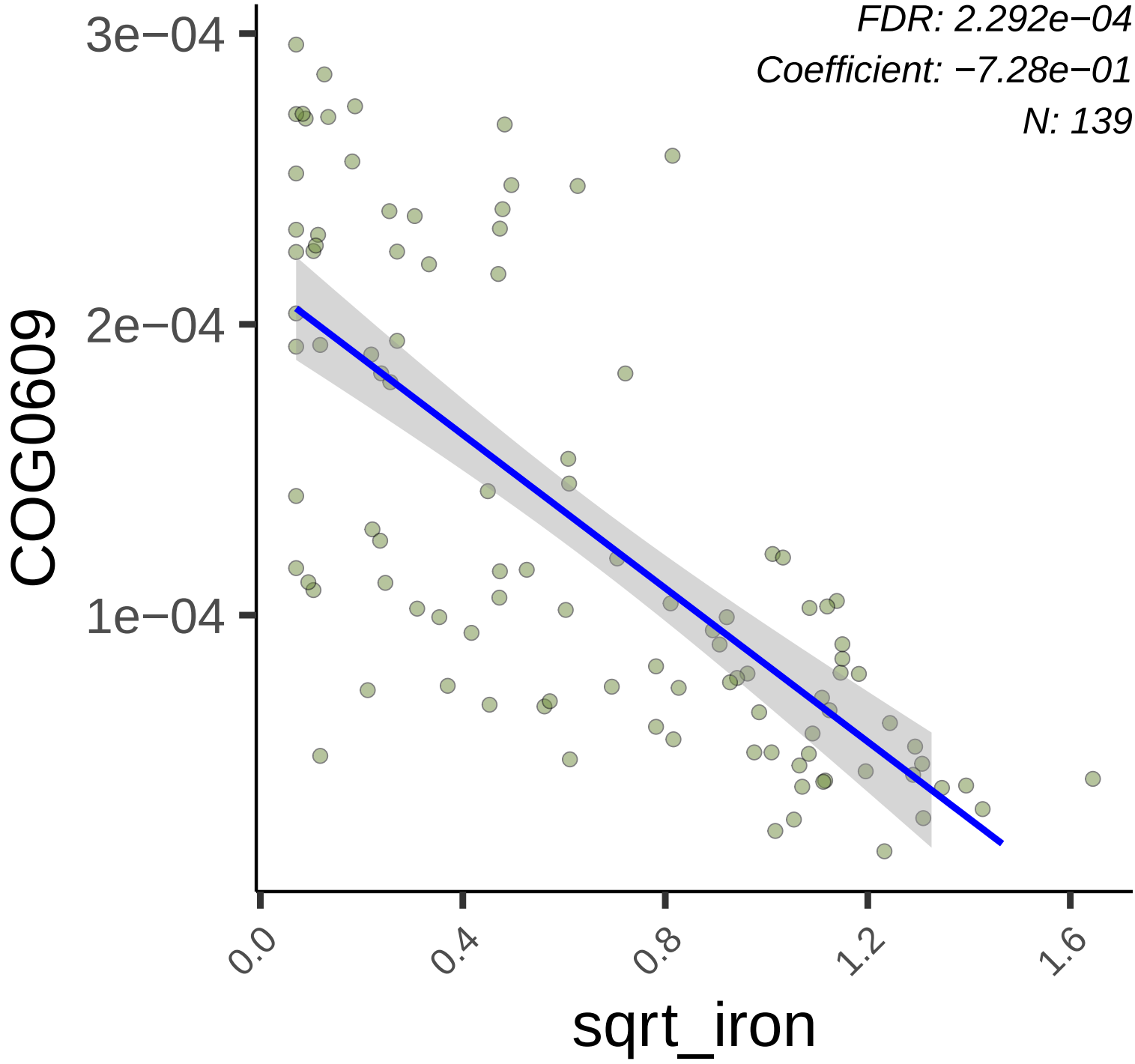
sqrt_iron


FDR: 2.292e−04
Coefficient: −7.28e−01
N: 139
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COG0609
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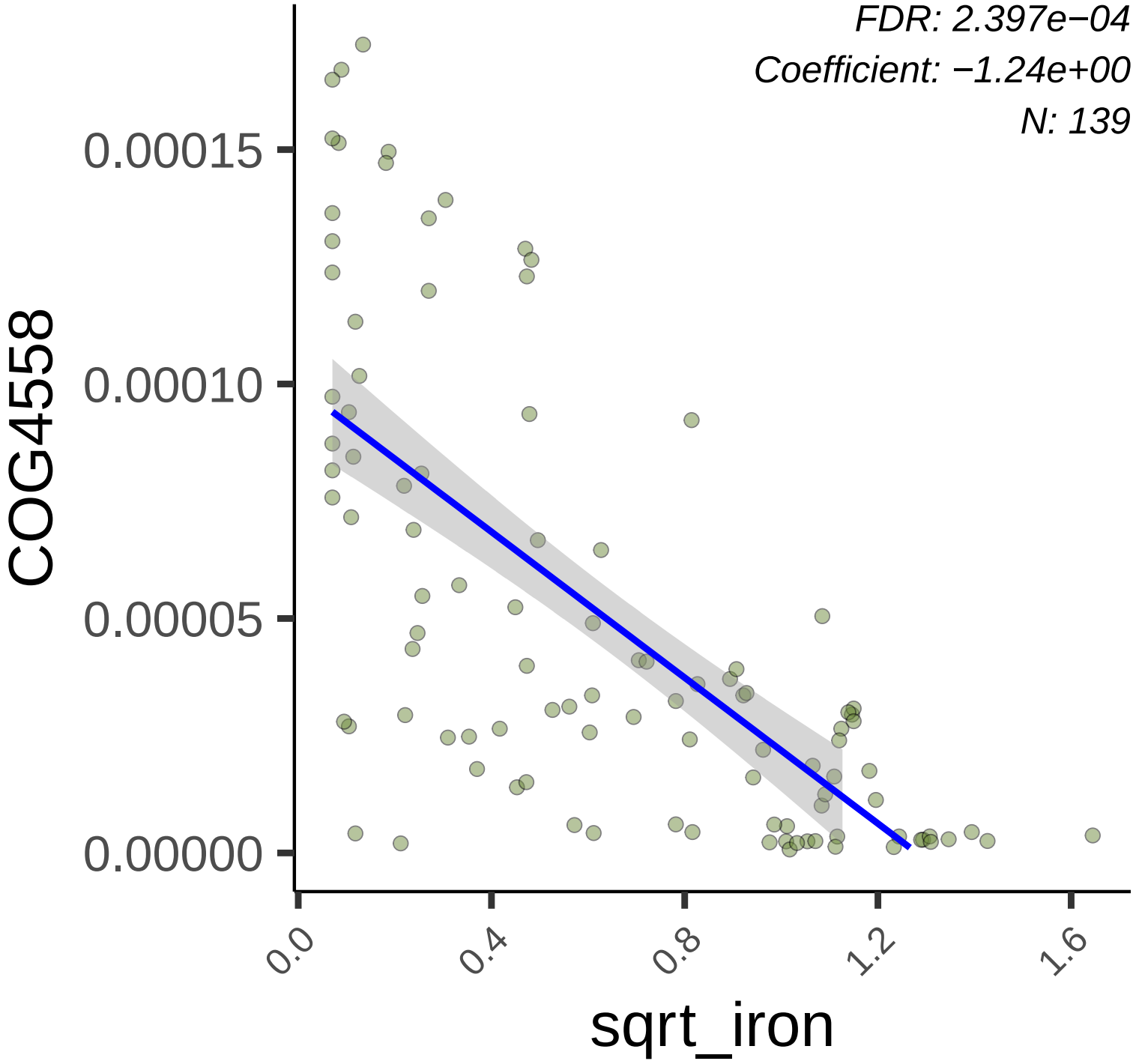
sqrt_iron


FDR: 2.397e−04
Coefficient: −1.24e+00
N: 139
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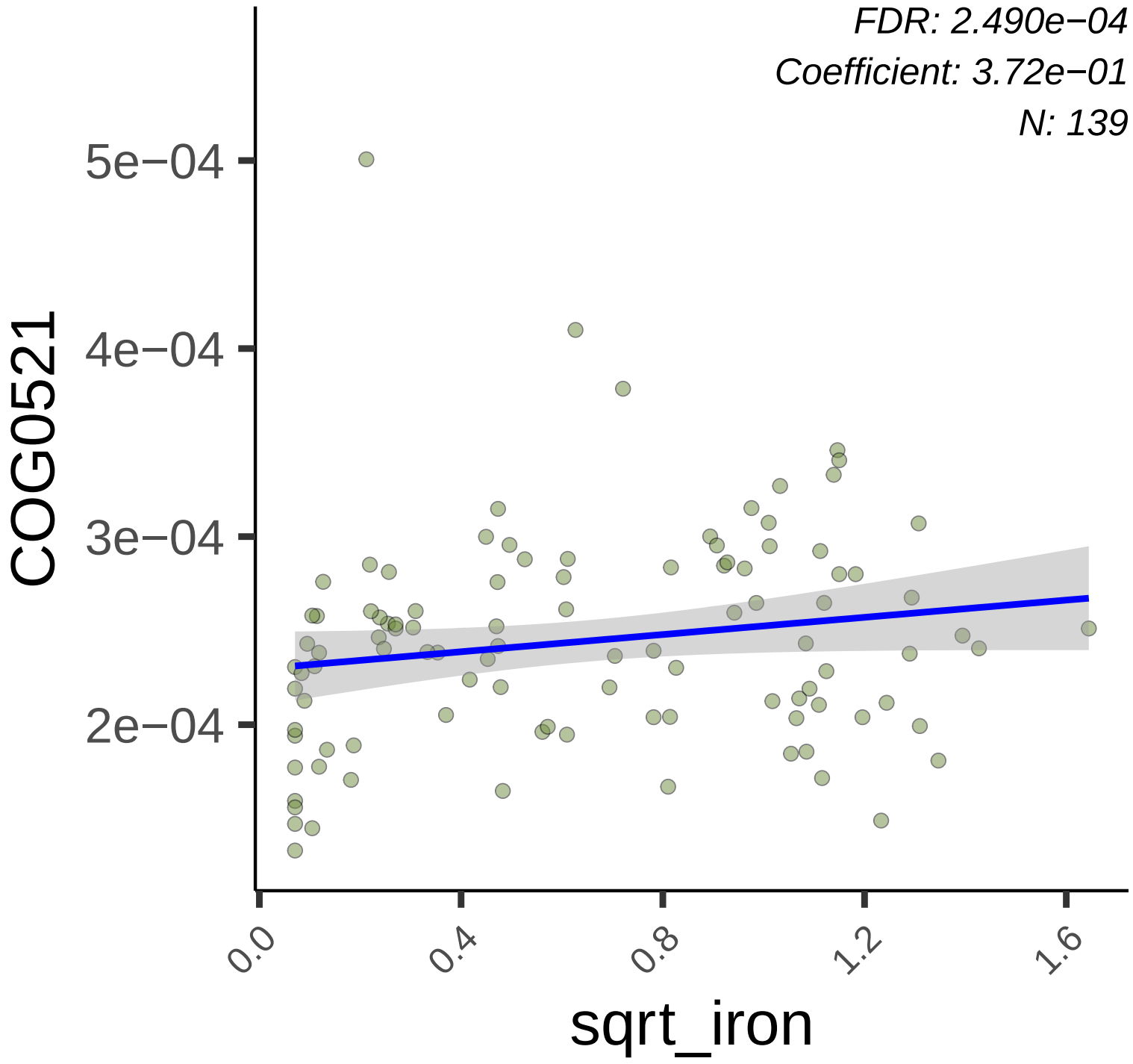
FDR: 2.490e−04
Coefficient: 3.72e−01
N: 139
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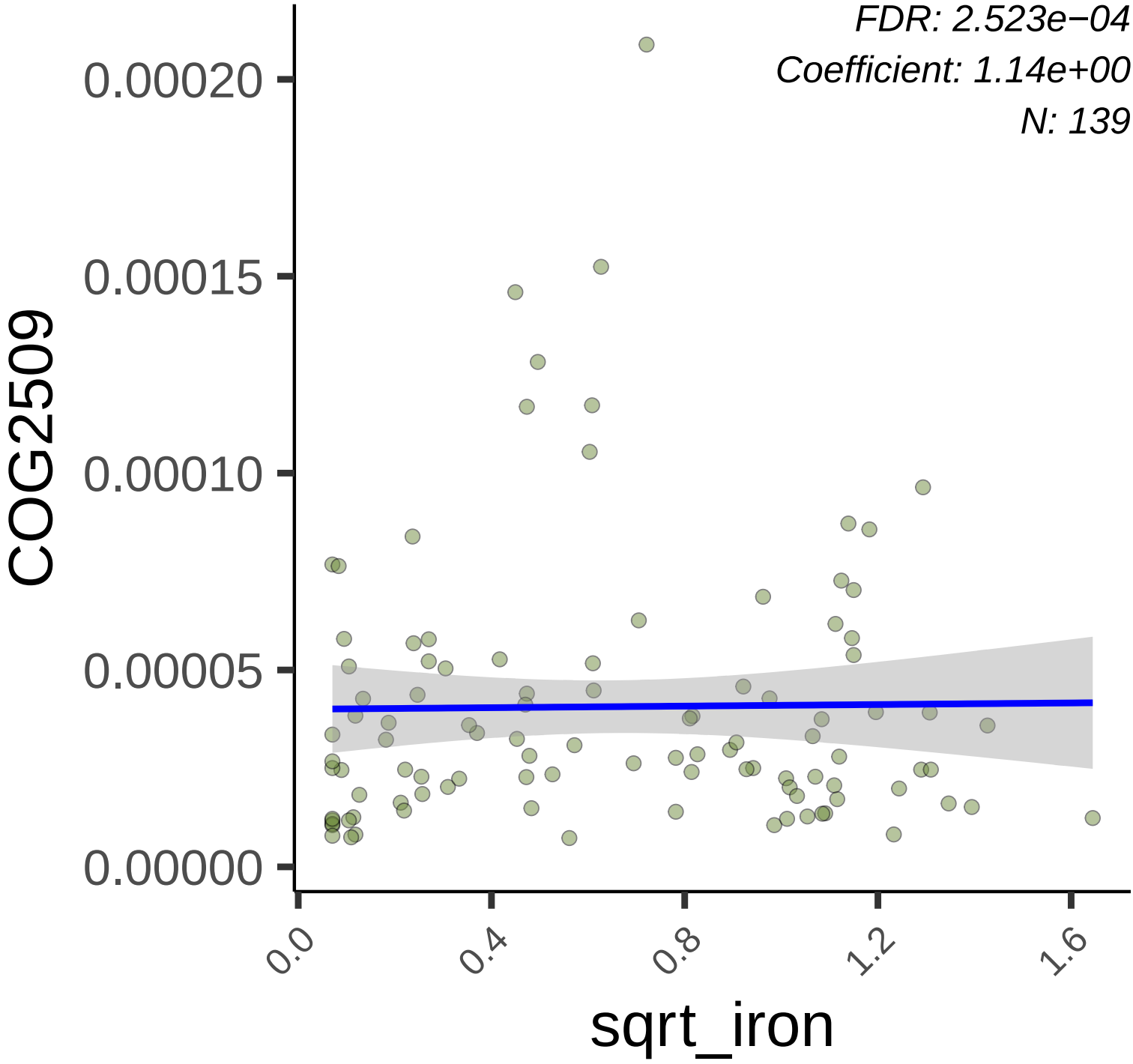
sqrt_iron


FDR: 2.523e−04
Coefficient: 1.14e+00
N: 139
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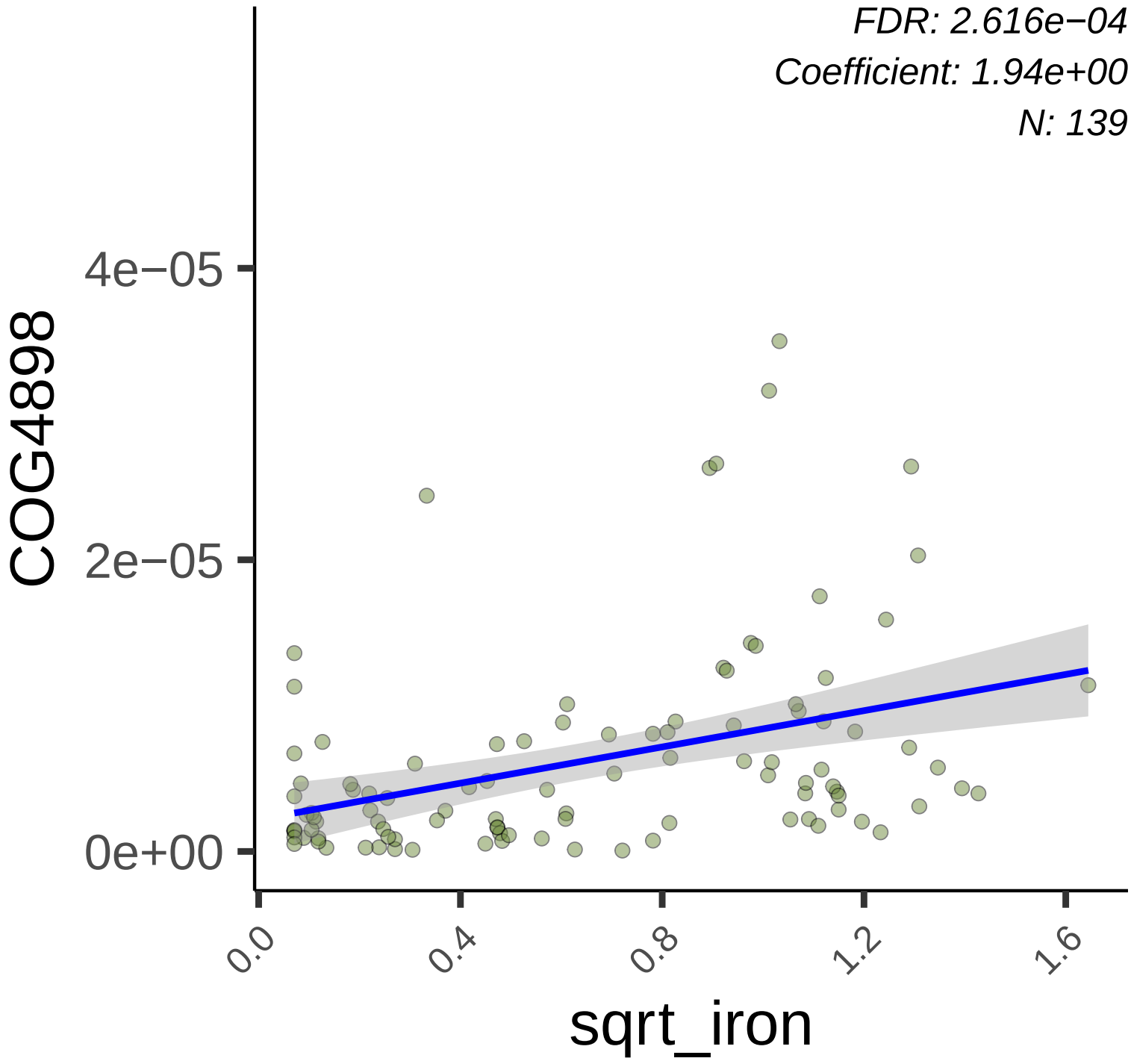
sqrt_iron


FDR: 2.616e−04
Coefficient: 1.94e+00
N: 139
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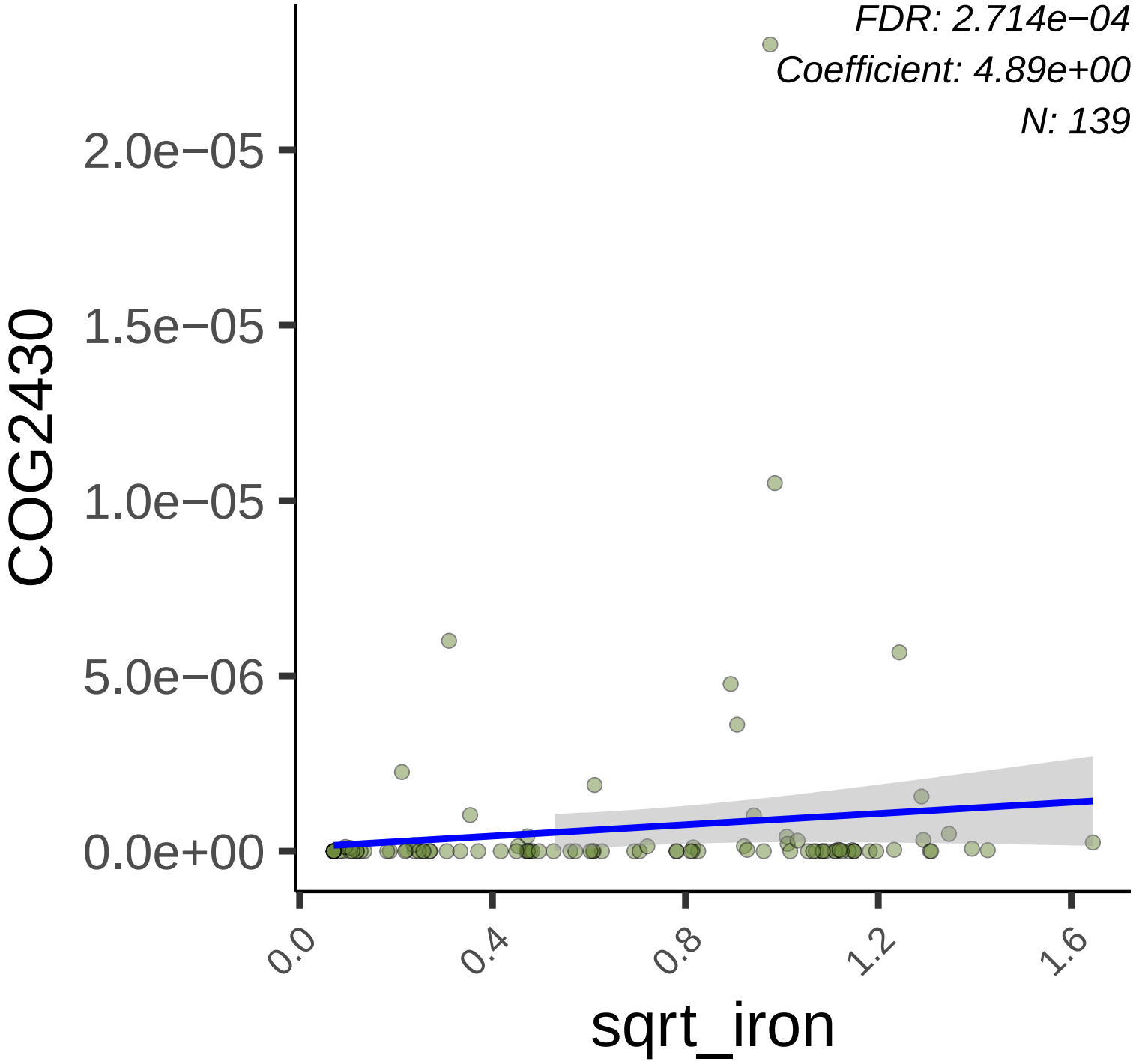
sqrt_iron


FDR: 2.714e−04
Coefficient: 4.89e+00
N: 139
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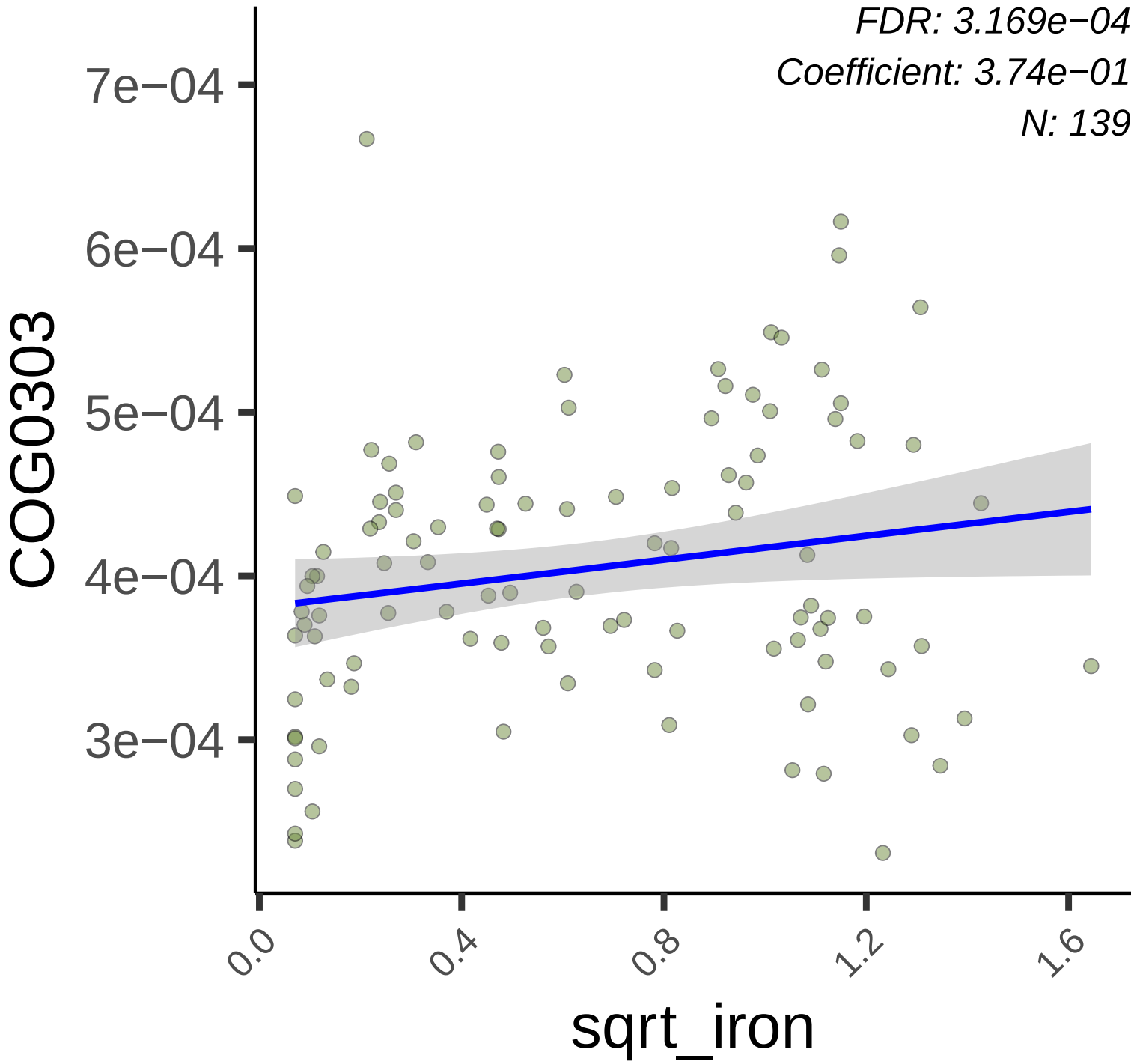
sqrt_iron


FDR: 3.169e−04
Coefficient: 3.74e−01
N: 139
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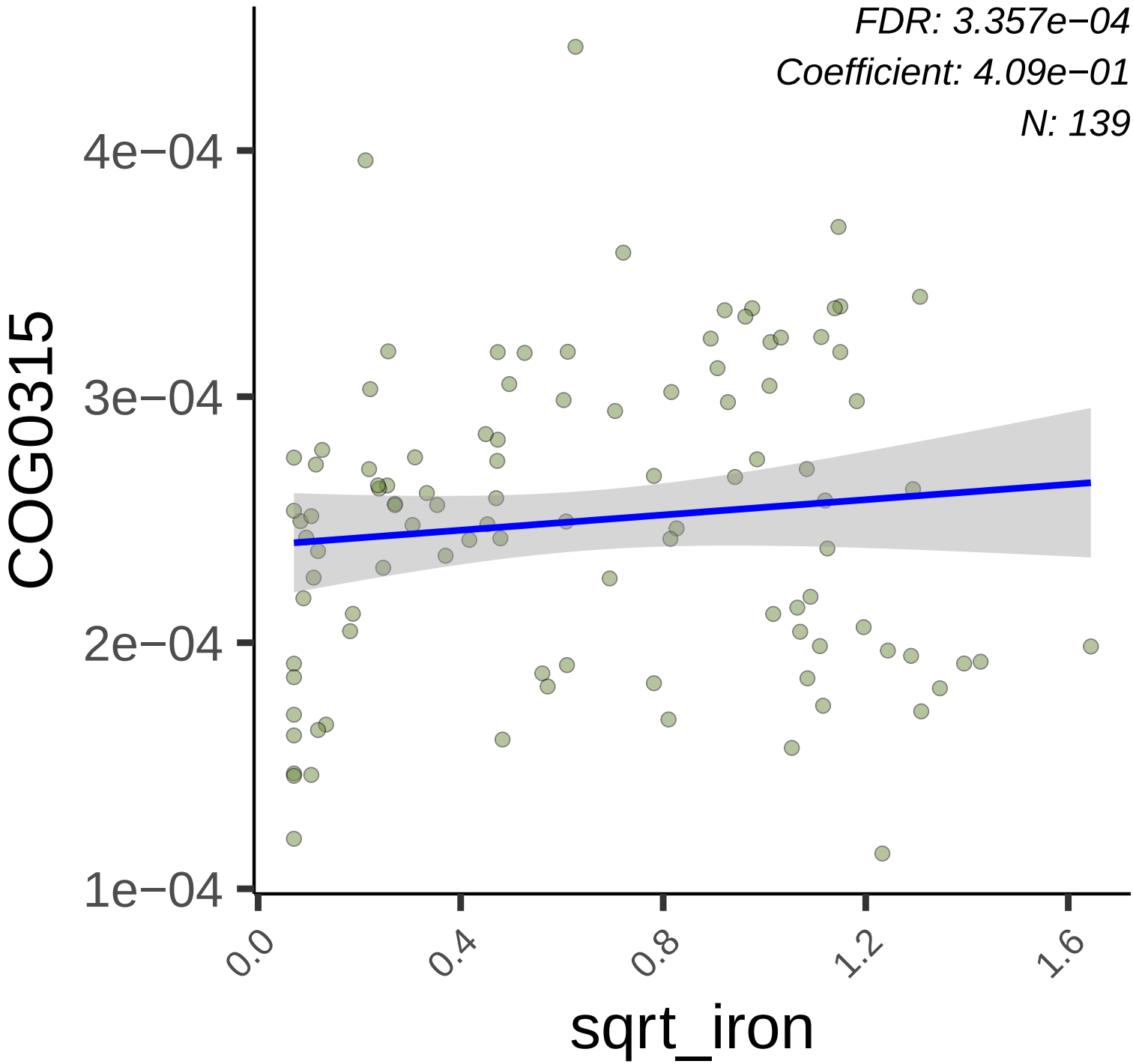
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Coefficient: 4.09e−01
N: 139
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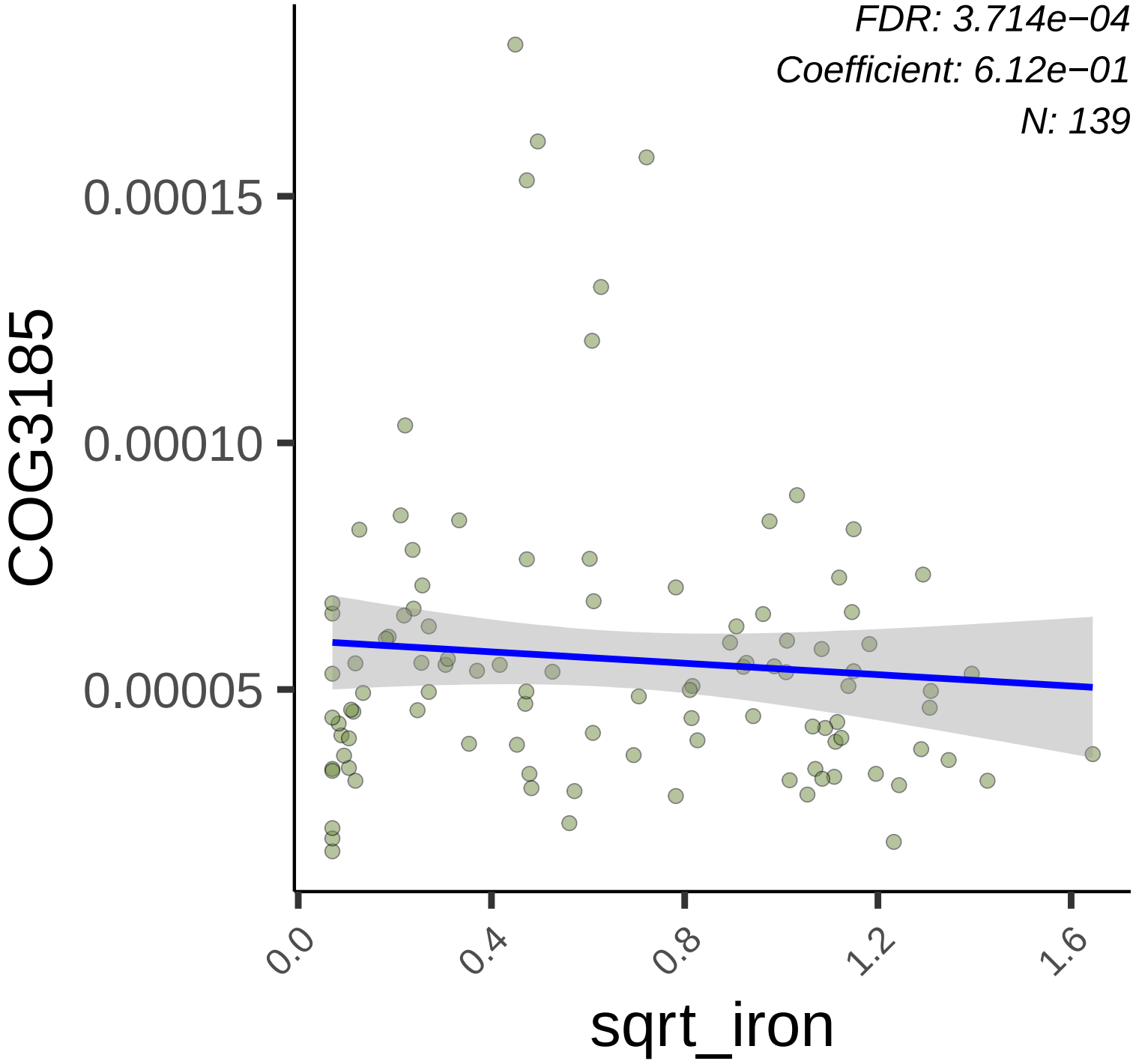
sqrt_iron


FDR: 3.714e−04
Coefficient: 6.12e−01
N: 139
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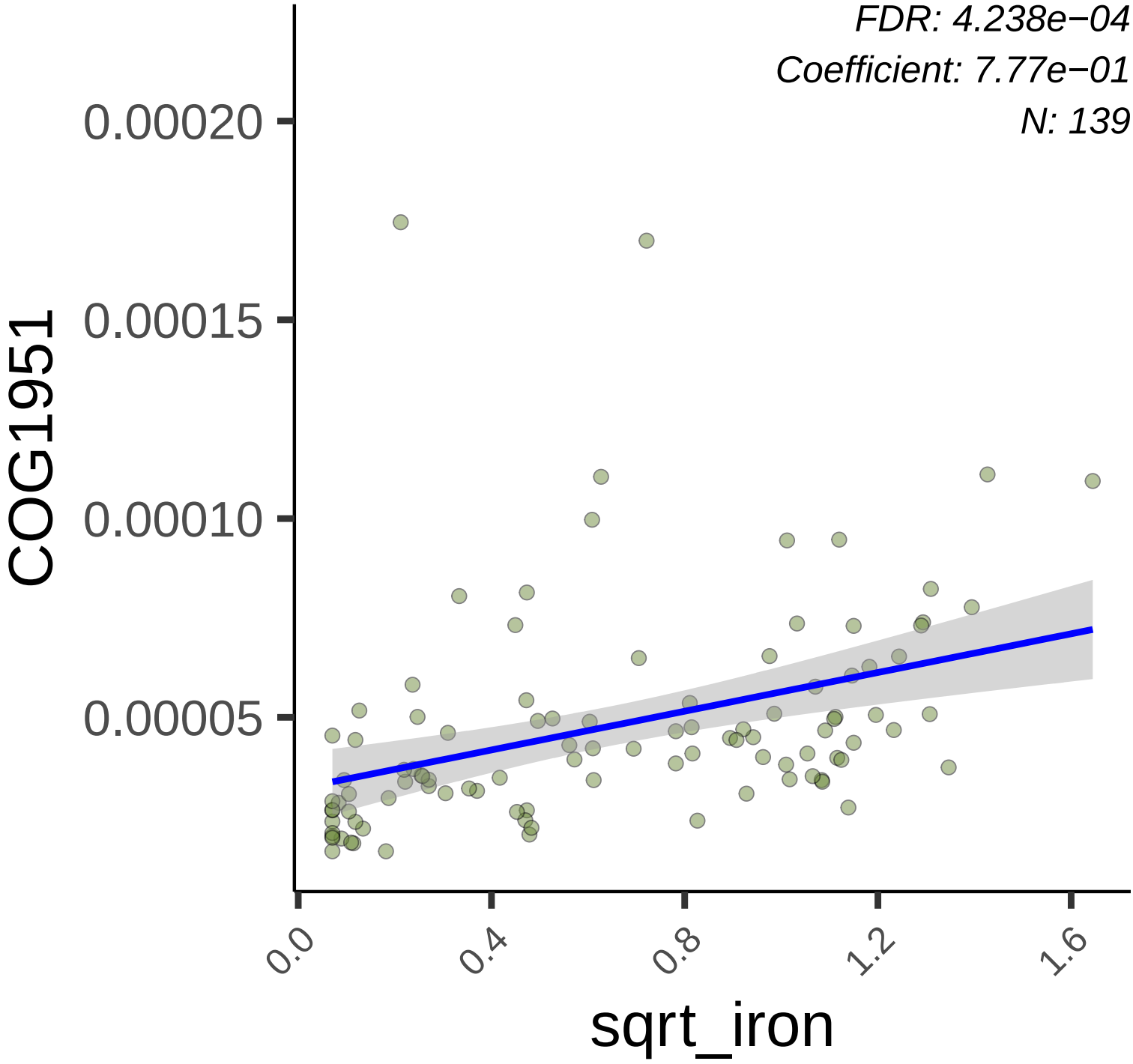
sqrt_iron


FDR: 4.238e−04
Coefficient: 7.77e−01
N: 139
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COG1951
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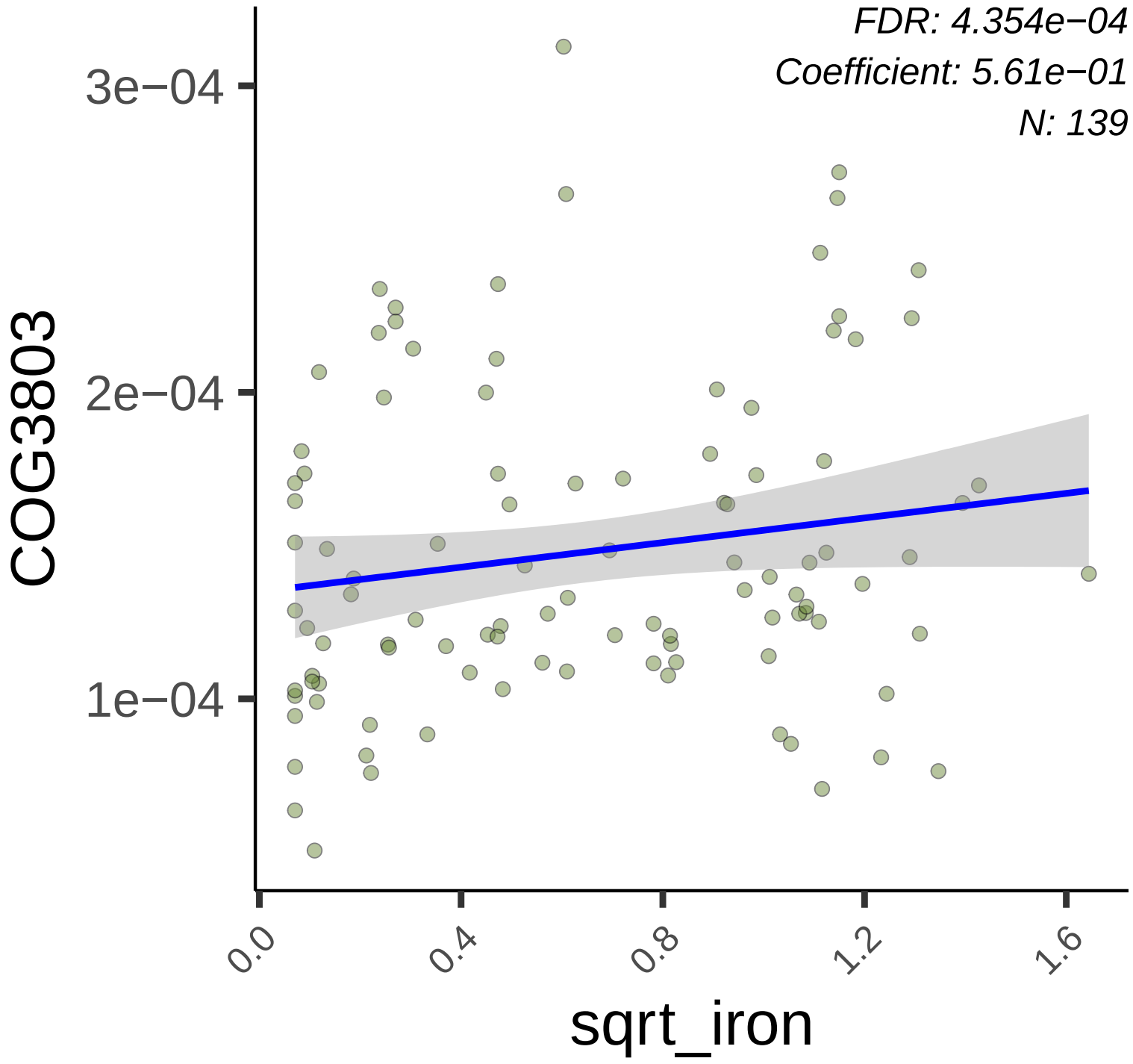
1.6
sqrt_iron


FDR: 4.354e−04
Coefficient: 5.61e−01
N: 139
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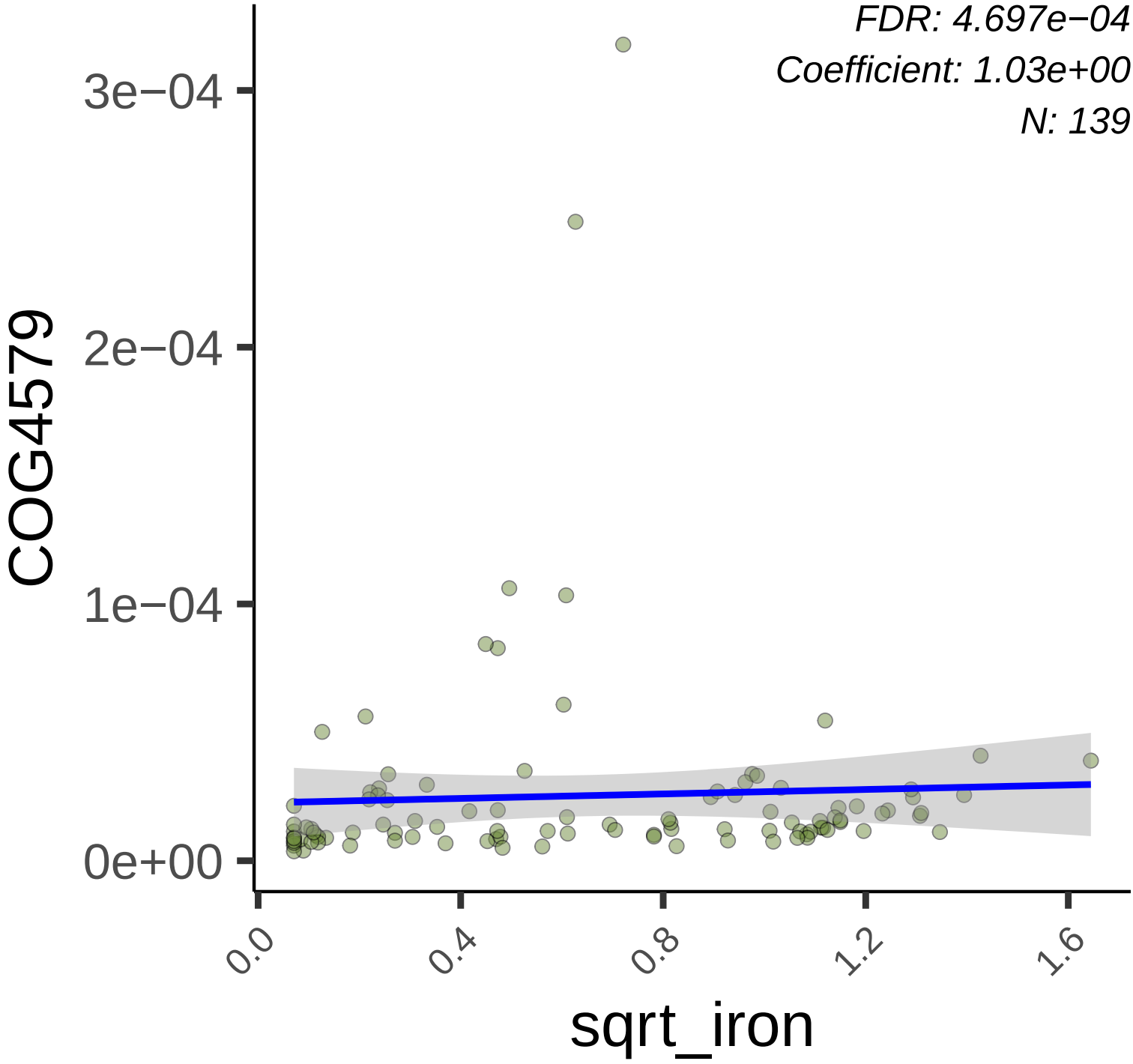
1.6
sqrt_iron


FDR: 4.697e−04
Coefficient: 1.03e+00
N: 139
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1e−04
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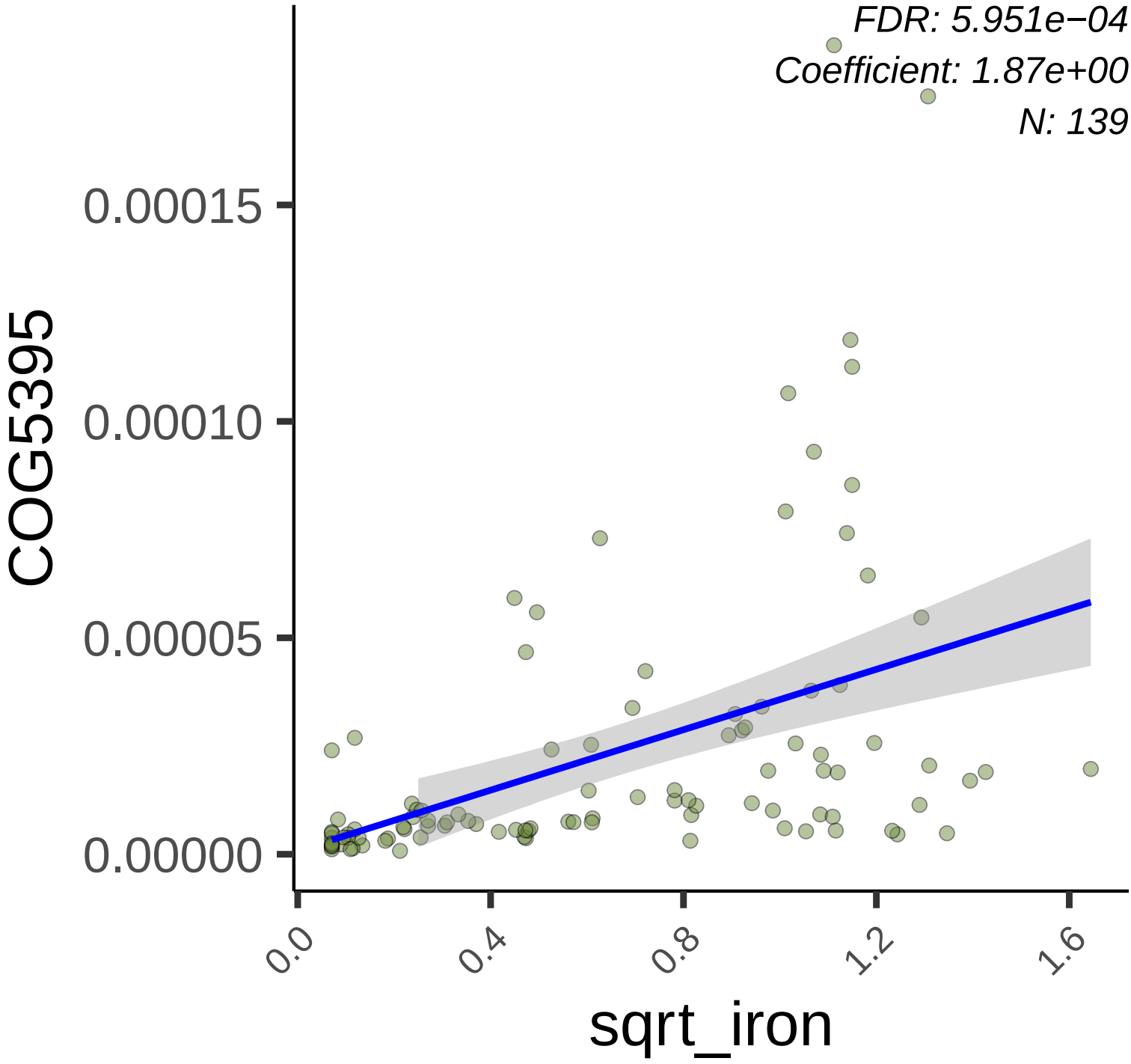
1.2
1.6
sqrt_iron


FDR: 5.951e−04
Coefficient: 1.87e+00
N: 139
COG5395
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0.0
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0.8
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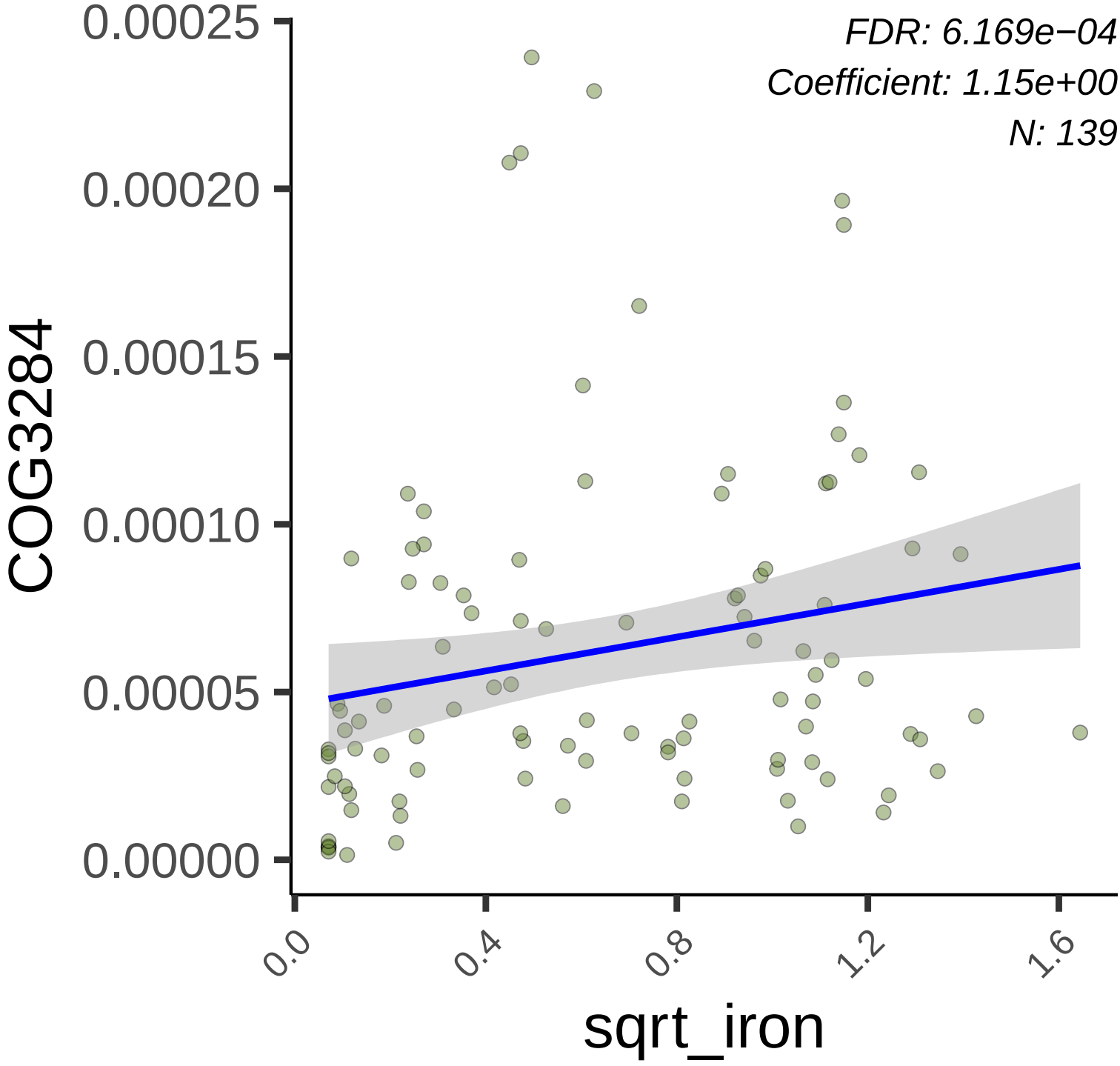
1.6
sqrt_iron


FDR: 6.169e−04
Coefficient: 1.15e+00
N: 139
COG3284
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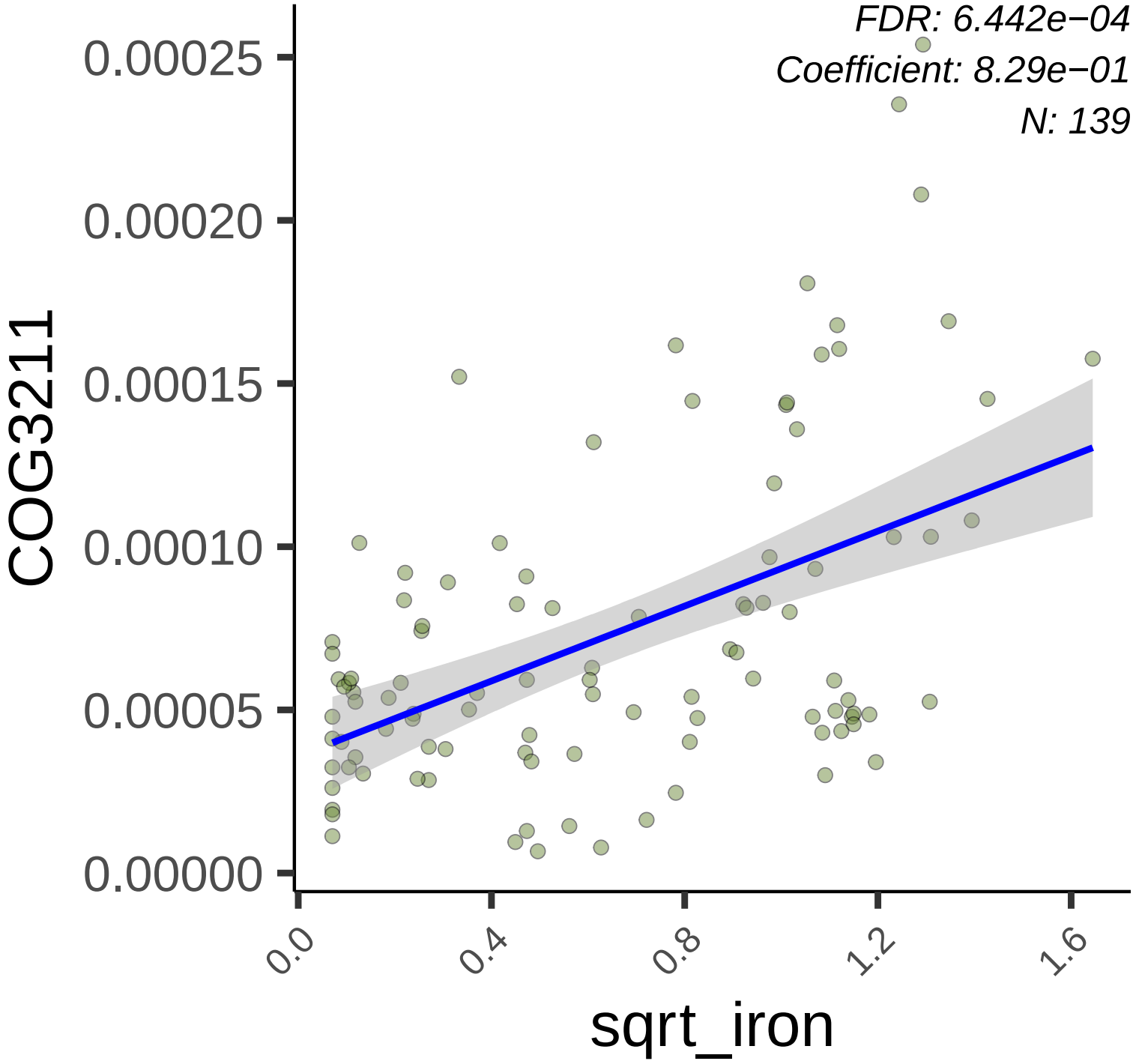
sqrt_iron


FDR: 6.442e−04
Coefficient: 8.29e−01
N: 139
COG3211
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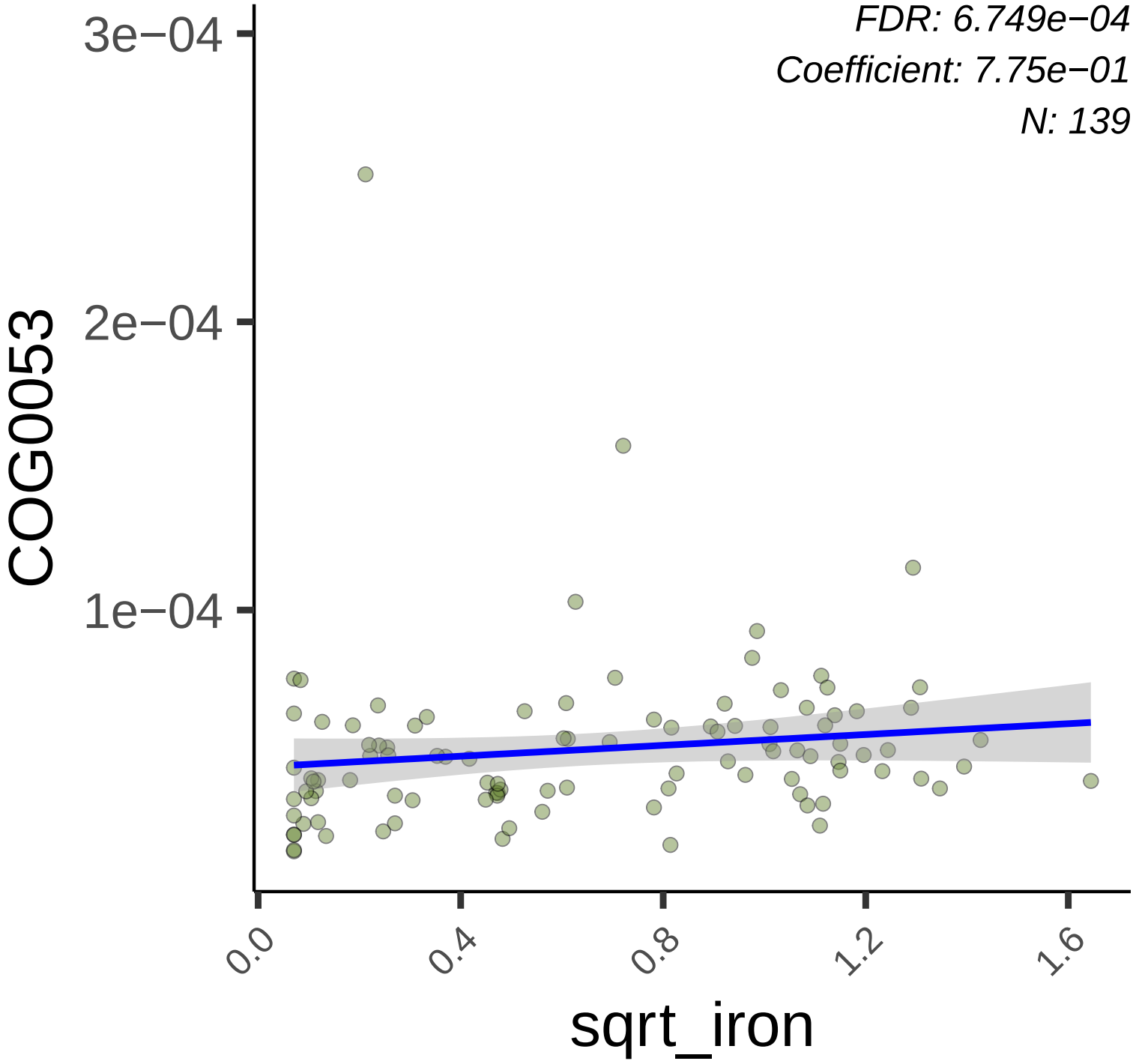
sqrt_iron


FDR: 6.749e−04
Coefficient: 7.75e−01
N: 139
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COG0053
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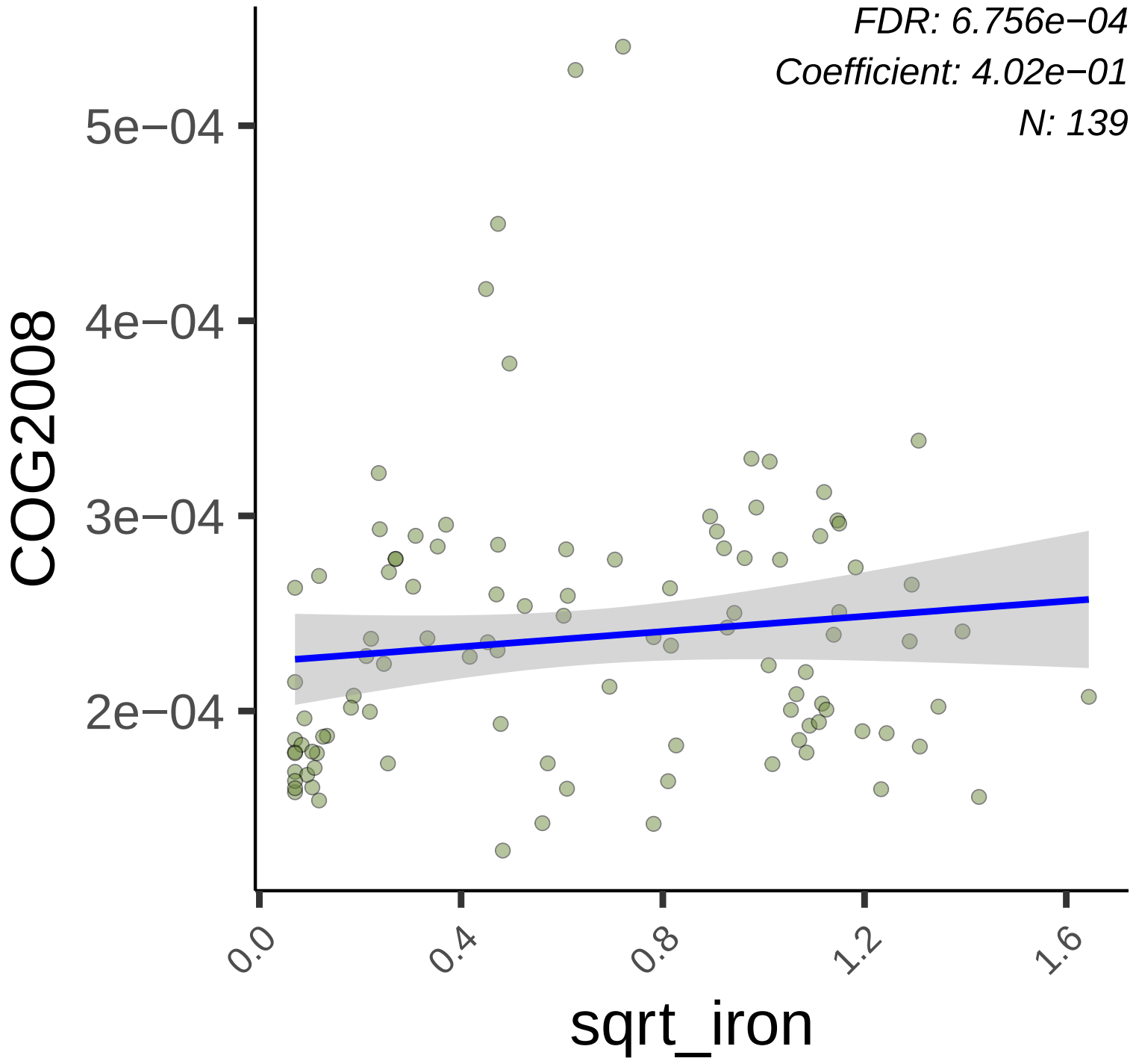
1.6
sqrt_iron


FDR: 6.756e−04
Coefficient: 4.02e−01
N: 139
COG2008
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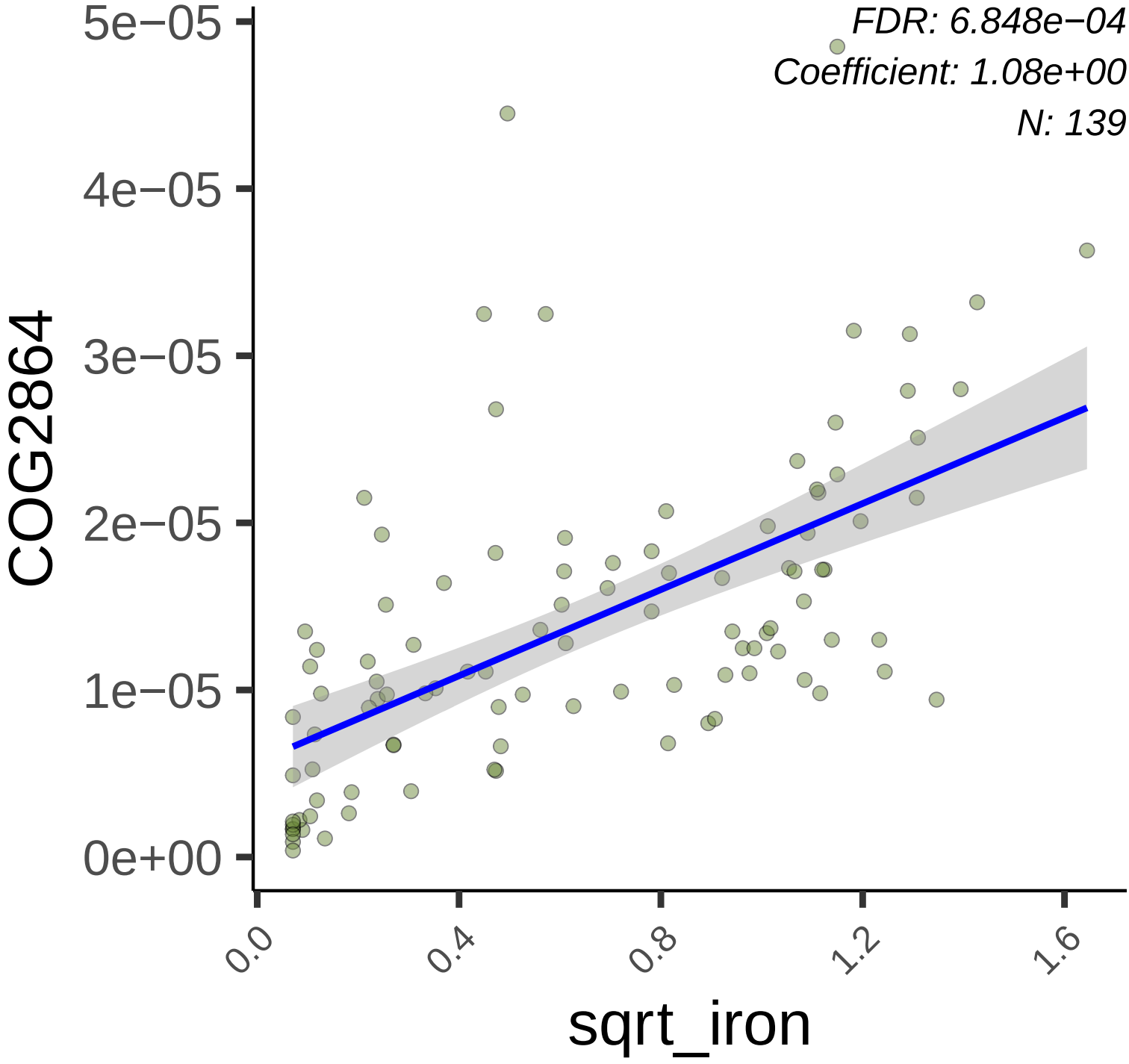
1.2
1.6
sqrt_iron


FDR: 6.848e−04
Coefficient: 1.08e+00
N: 139
COG2864
5e−05
4e−05
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2e−05
1e−05
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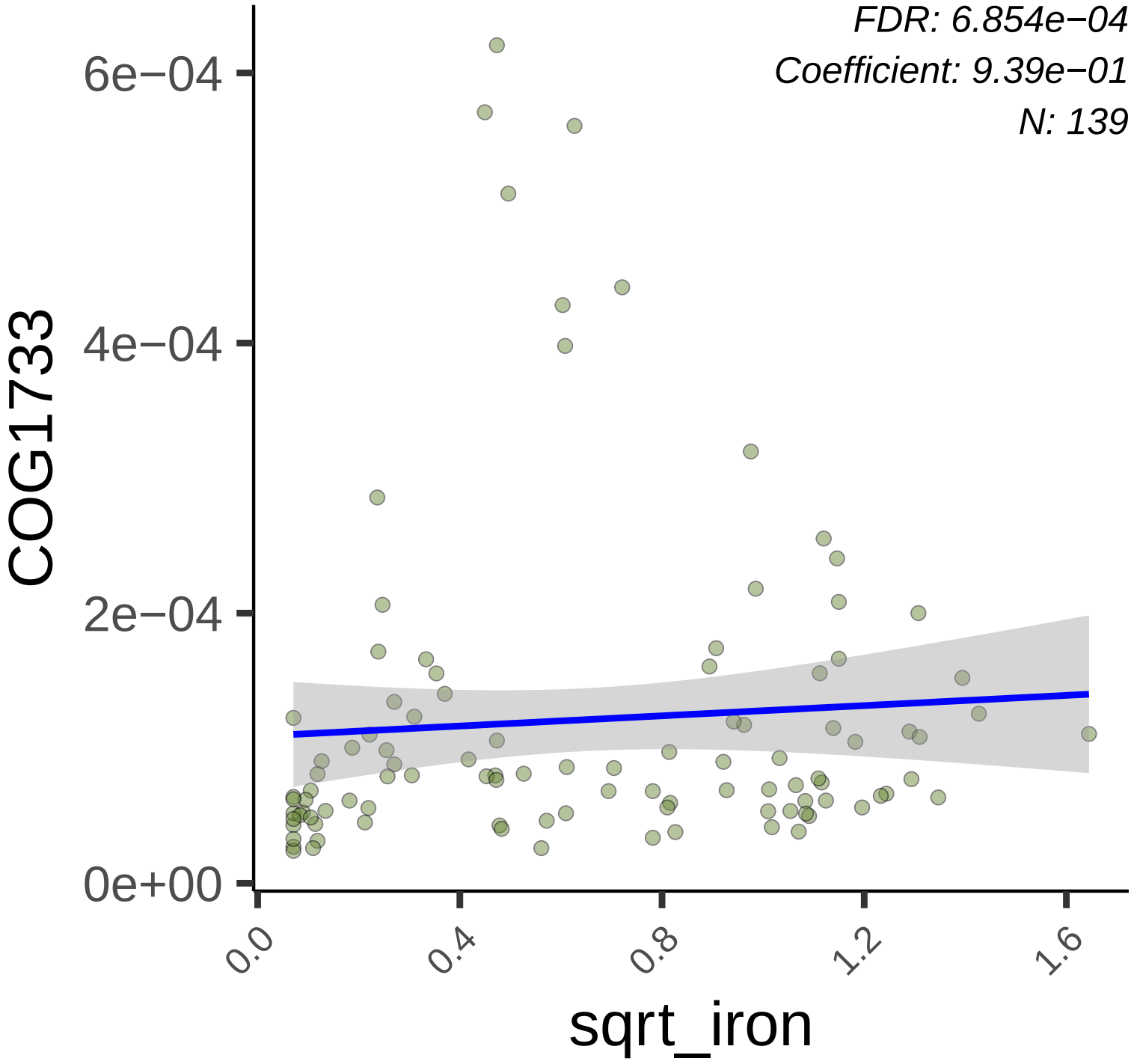
1.6
sqrt_iron


FDR: 6.854e−04
Coefficient: 9.39e−01
N: 139
COG1733
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0e+00
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0.4
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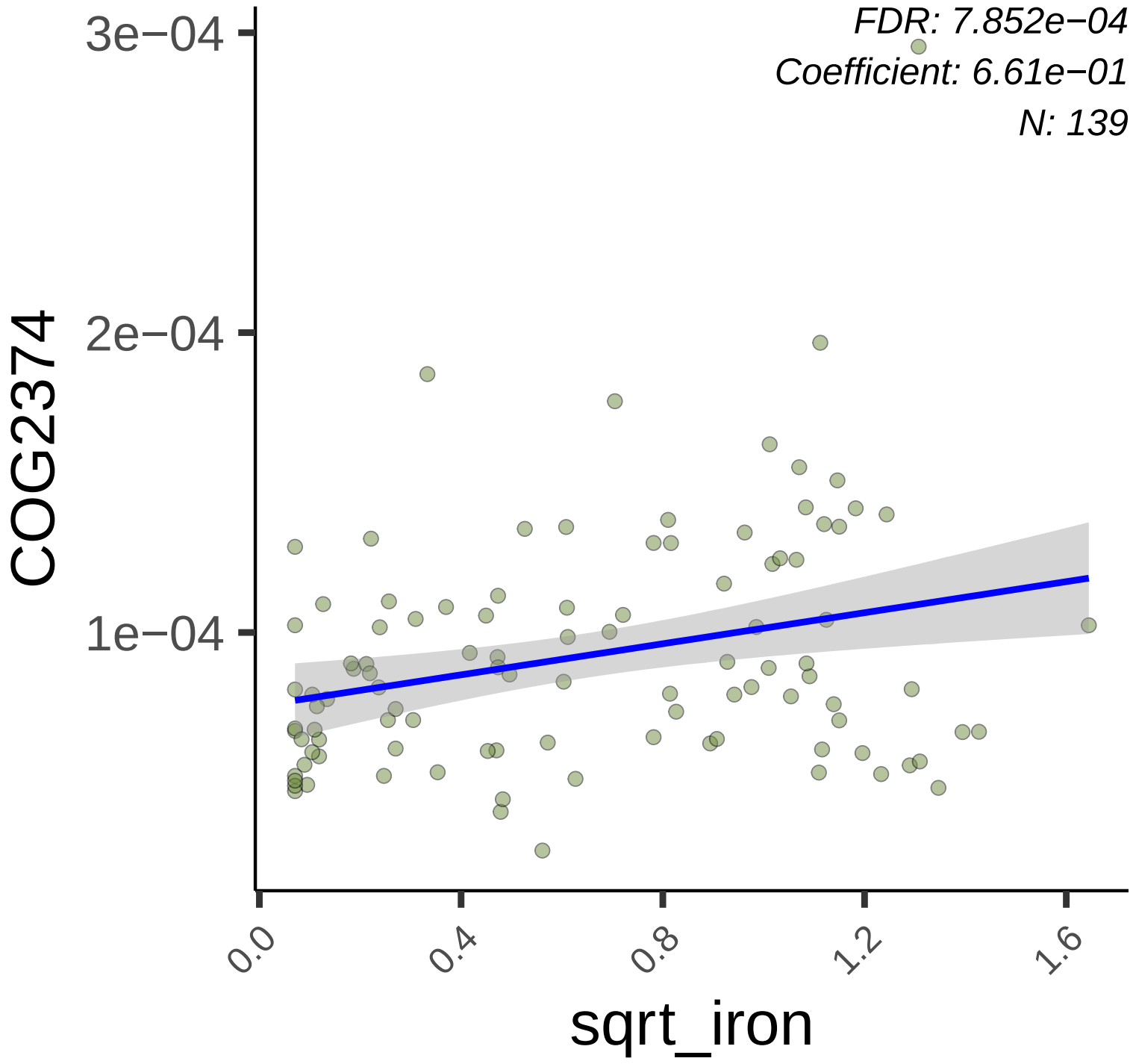
1.2
1.6
sqrt_iron


FDR: 7.852e−04
Coefficient: 6.61e−01
N: 139
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2e−04
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COG2374
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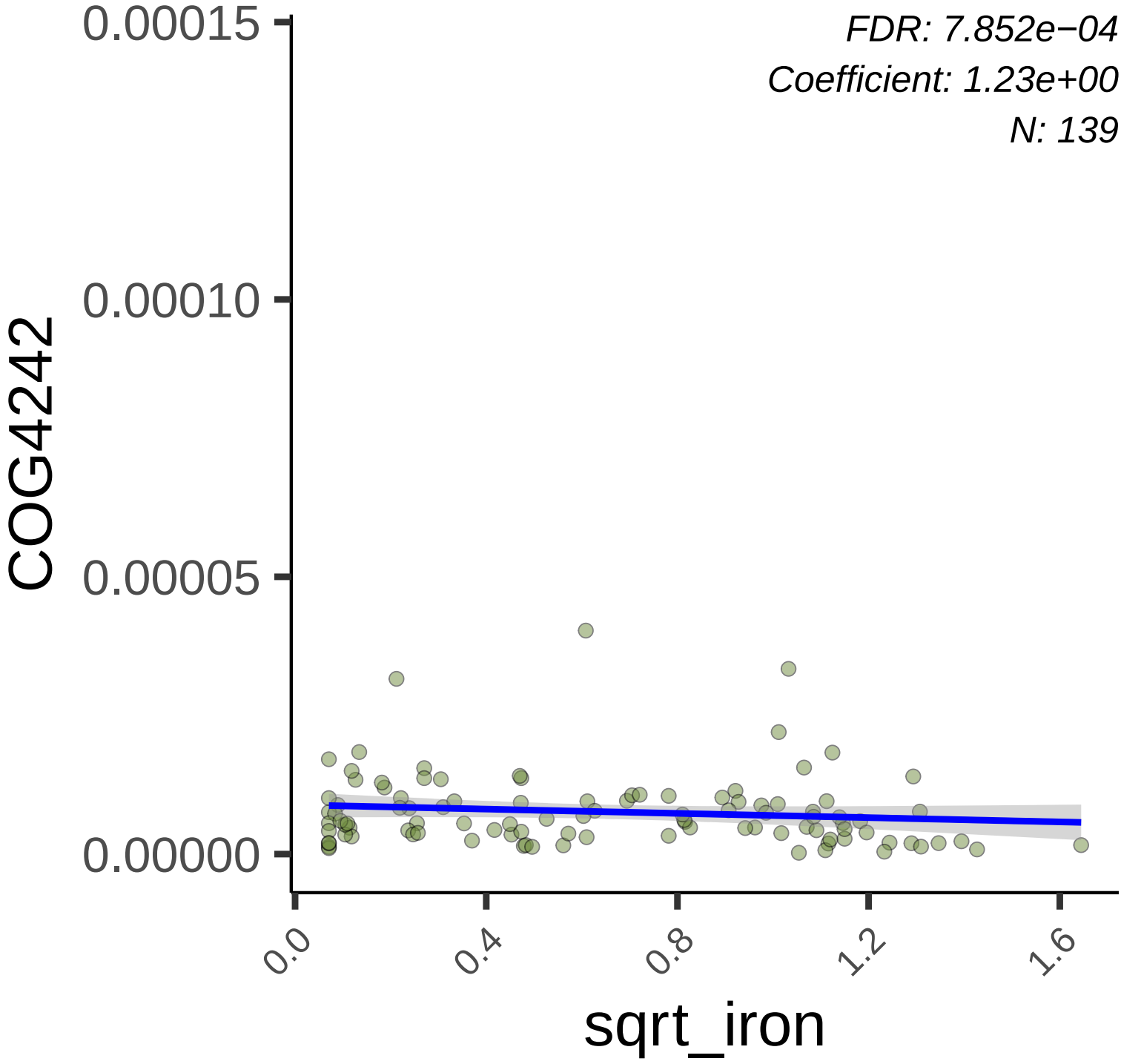
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 7.852e−04
Coefficient: 1.23e+00
N: 139
COG4242
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0.4
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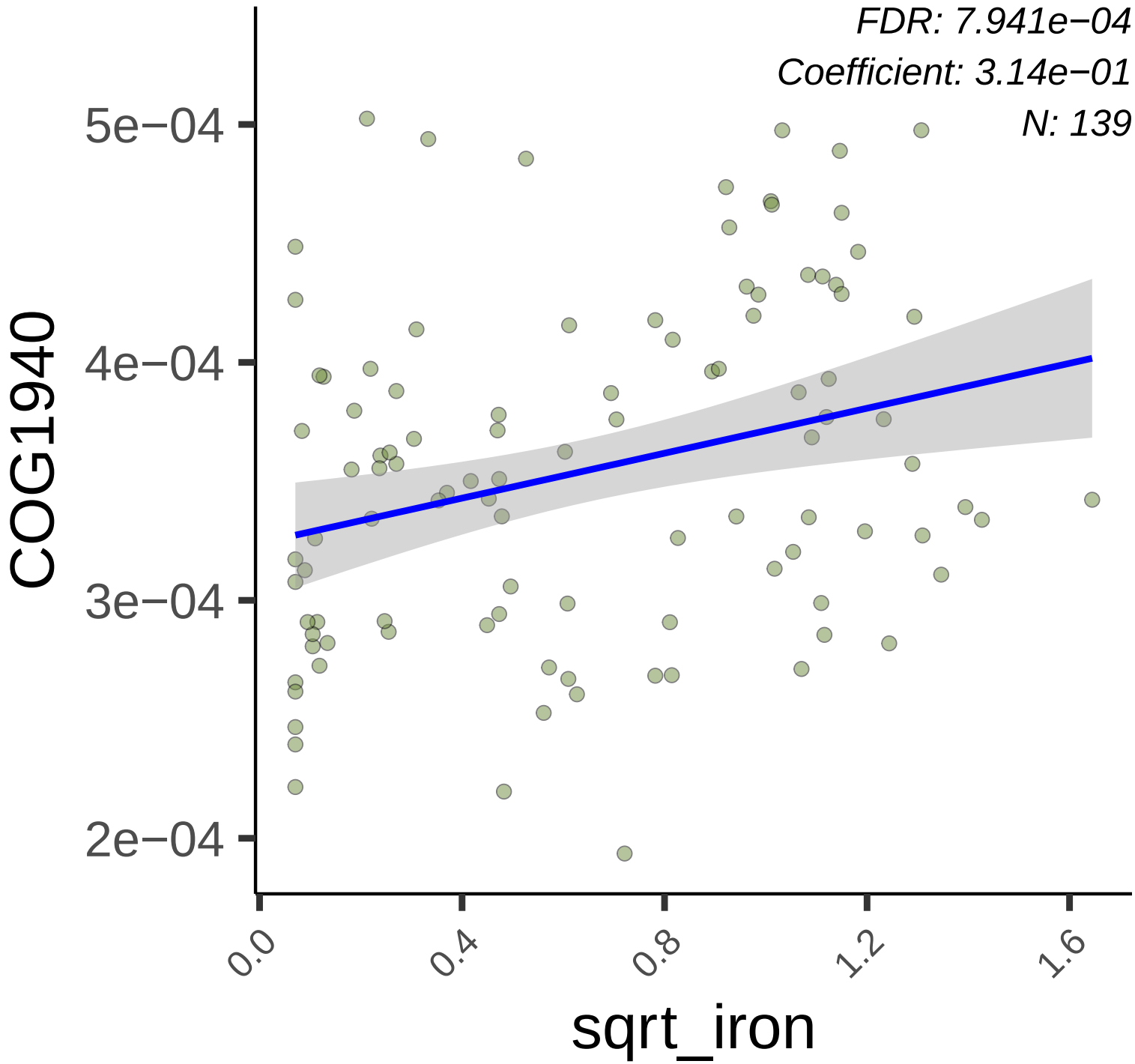
1.6
sqrt_iron


FDR: 7.941e−04
Coefficient: 3.14e−01
N: 139
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3e−04
2e−04
COG1940
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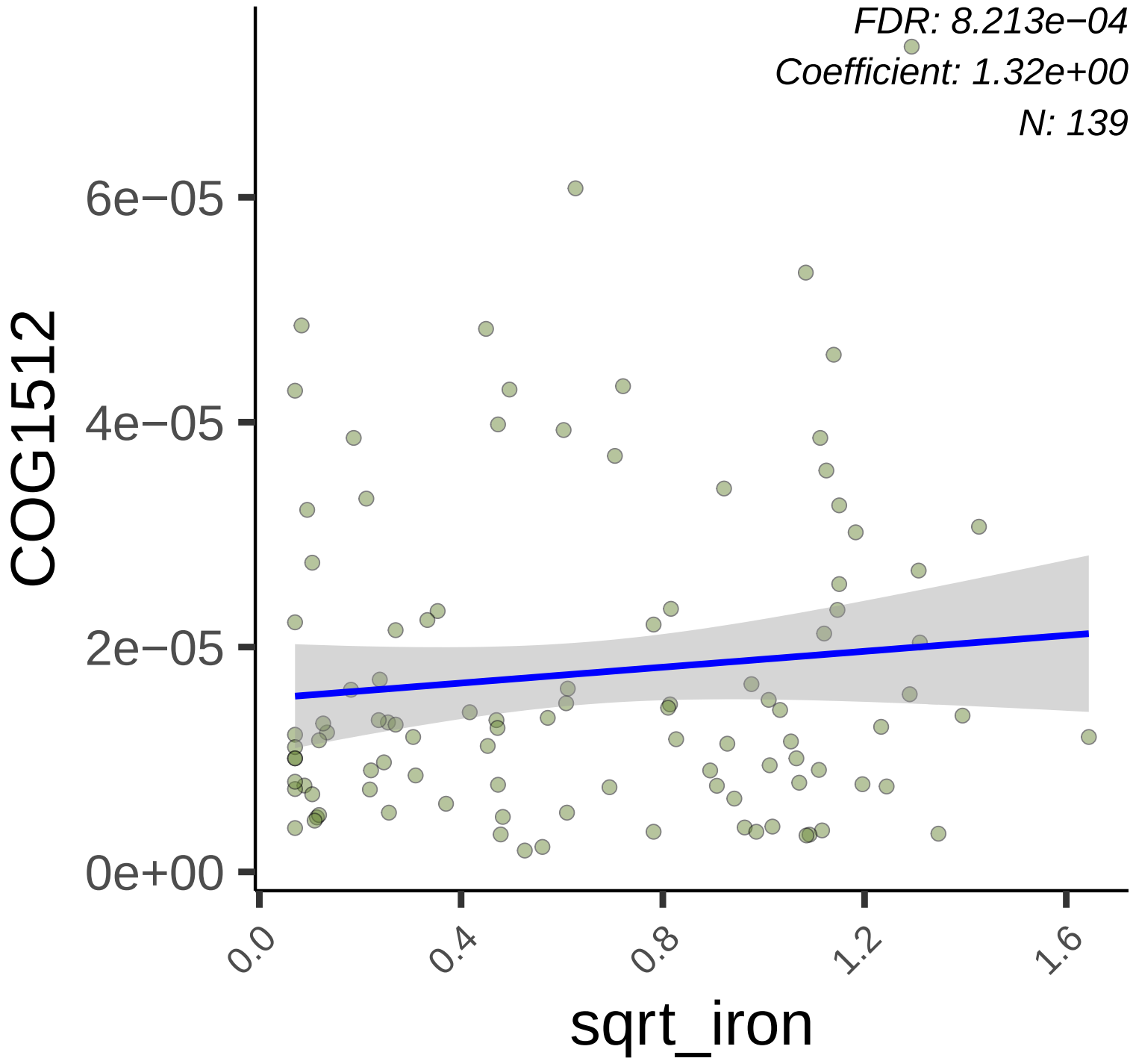
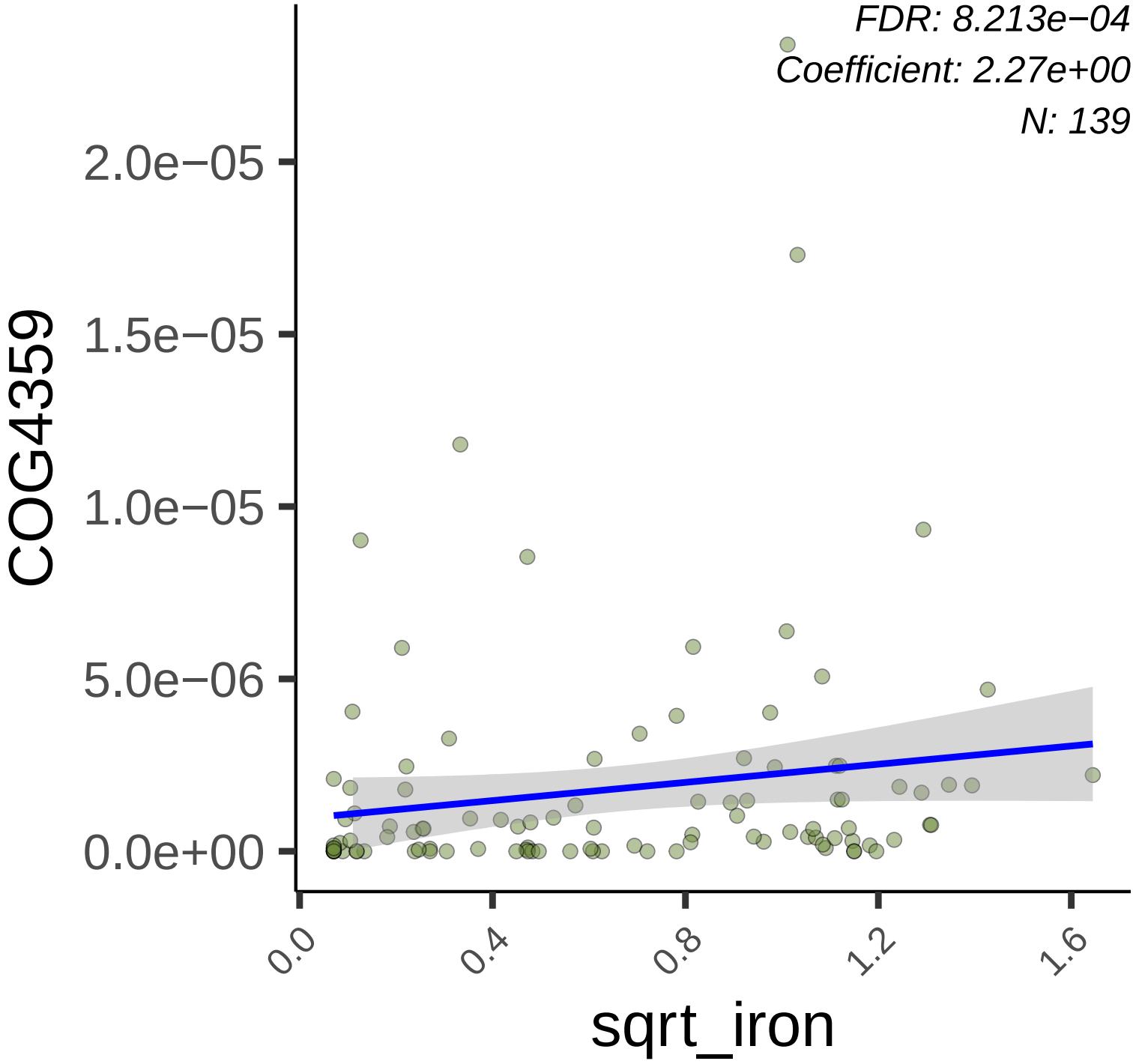
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.213e−04
Coefficient: 1.32e+00
N: 139
COG1512
6e−05
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.213e−04
Coefficient: 2.27e+00
N: 139
COG4359
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
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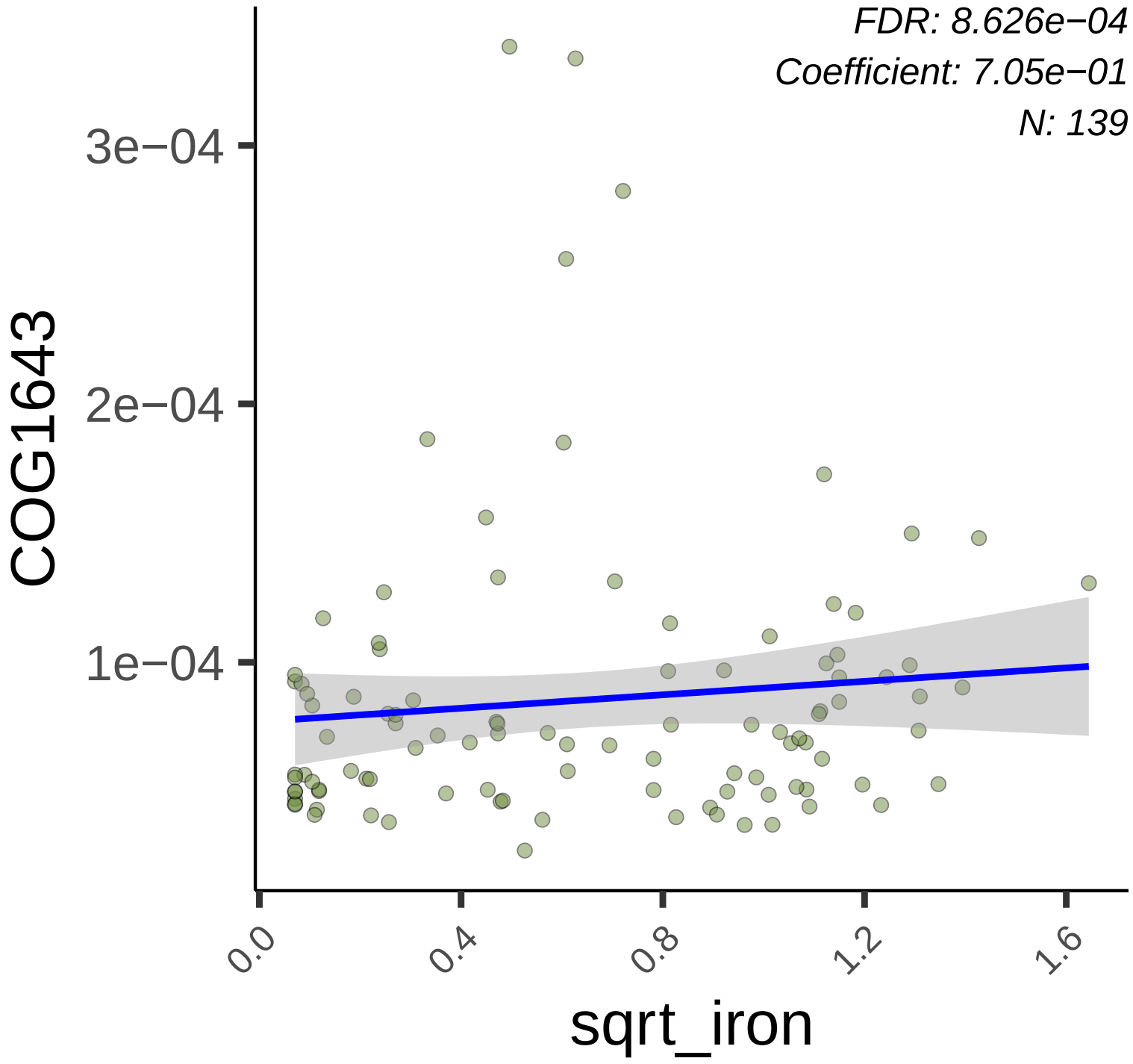
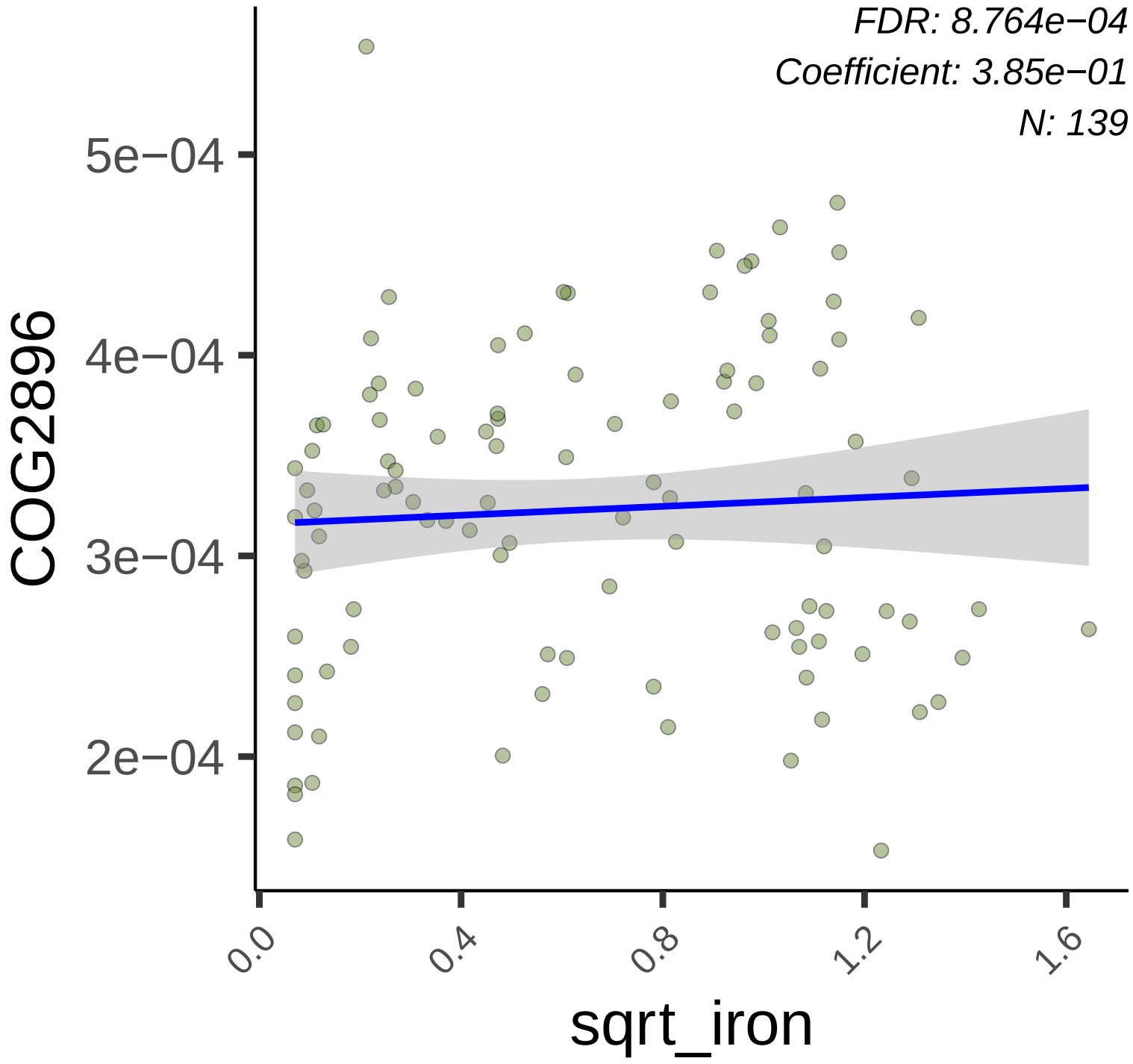
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.626e−04
Coefficient: 7.05e−01
N: 139
3e−04
2e−04
1e−04
COG1643
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.764e−04
Coefficient: 3.85e−01
N: 139
COG2896
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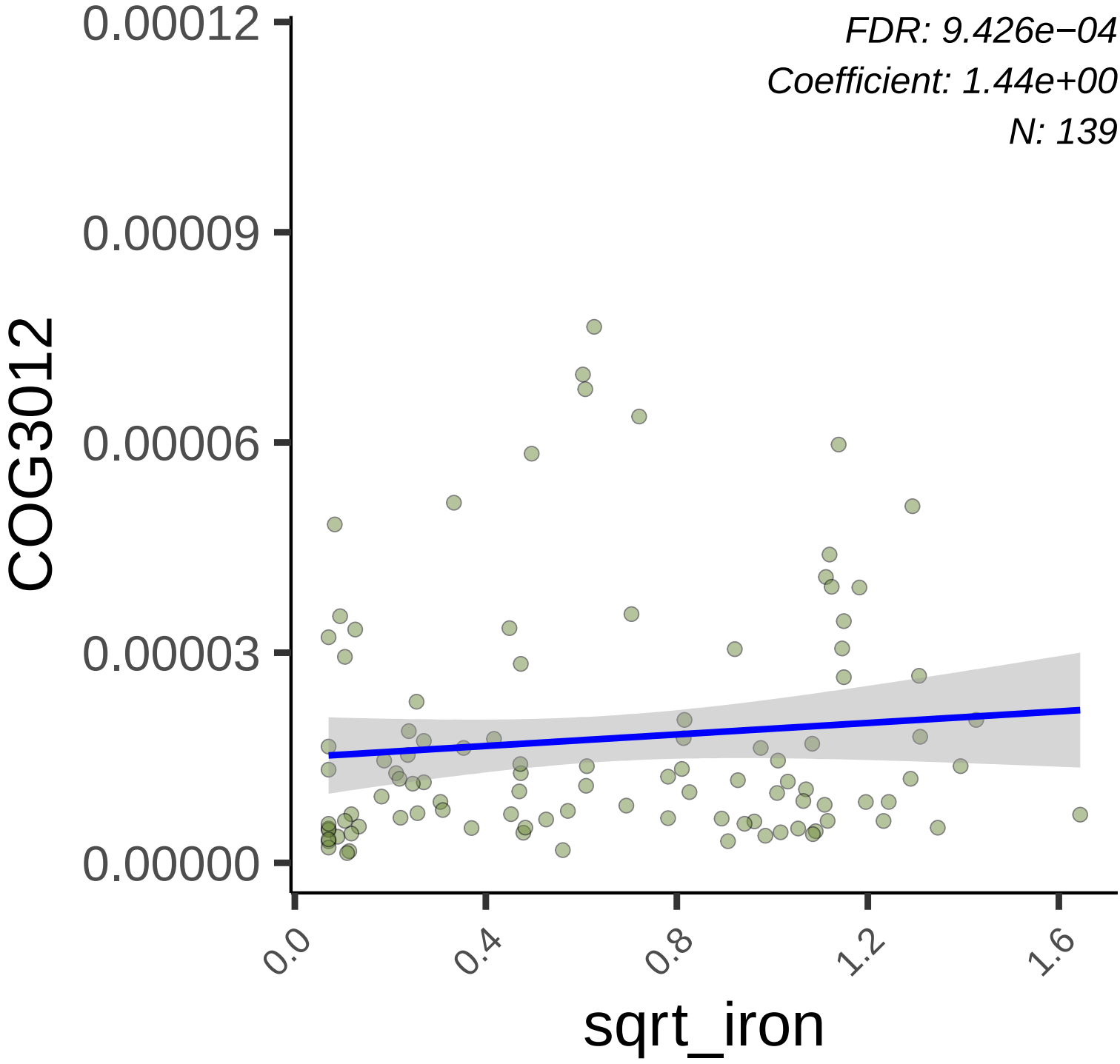
4e−04
3e−04
2e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.426e−04
Coefficient: 1.44e+00
N: 139
0.00012
0.00009
0.00006
0.00003
0.00000
COG3012
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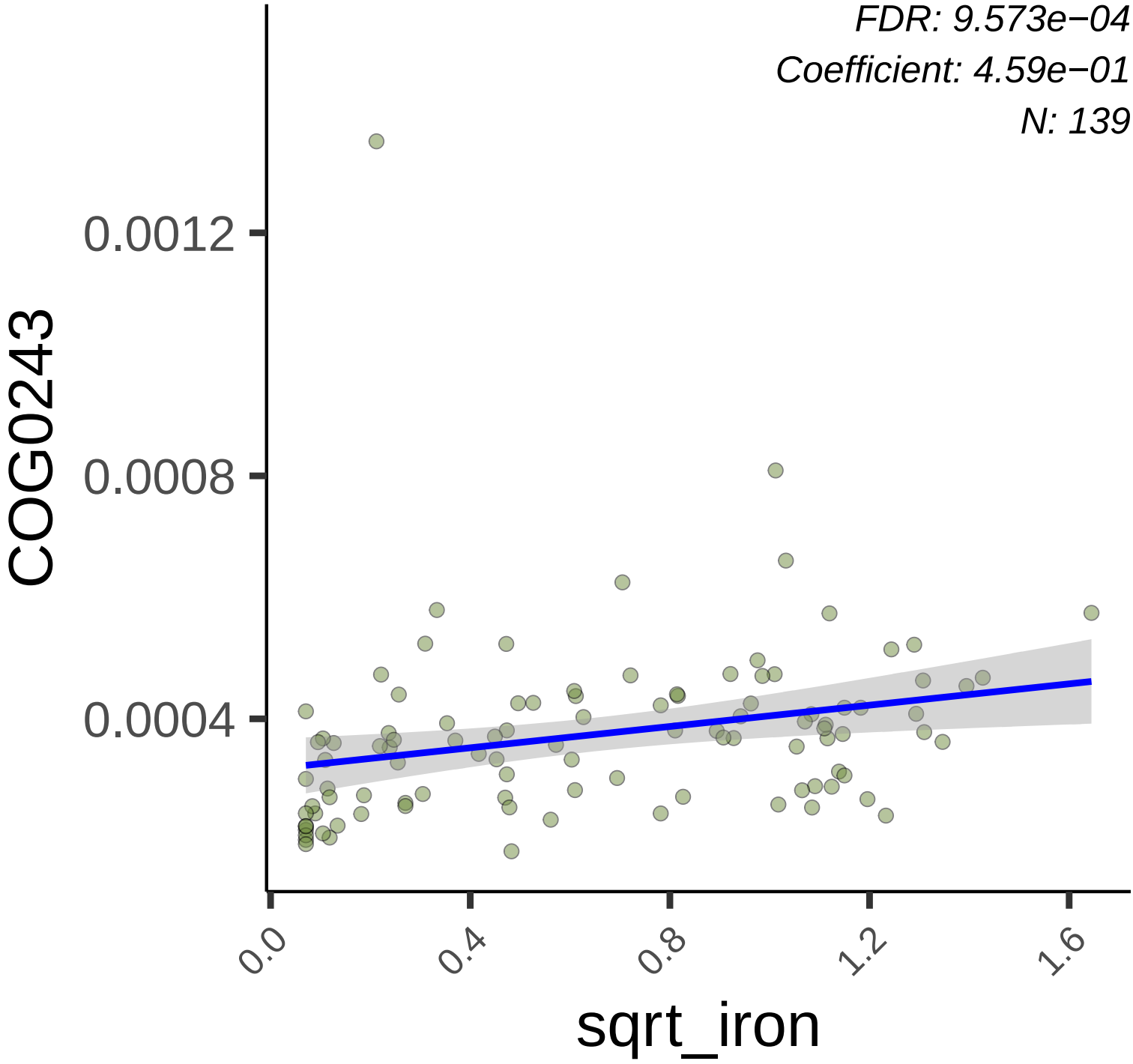
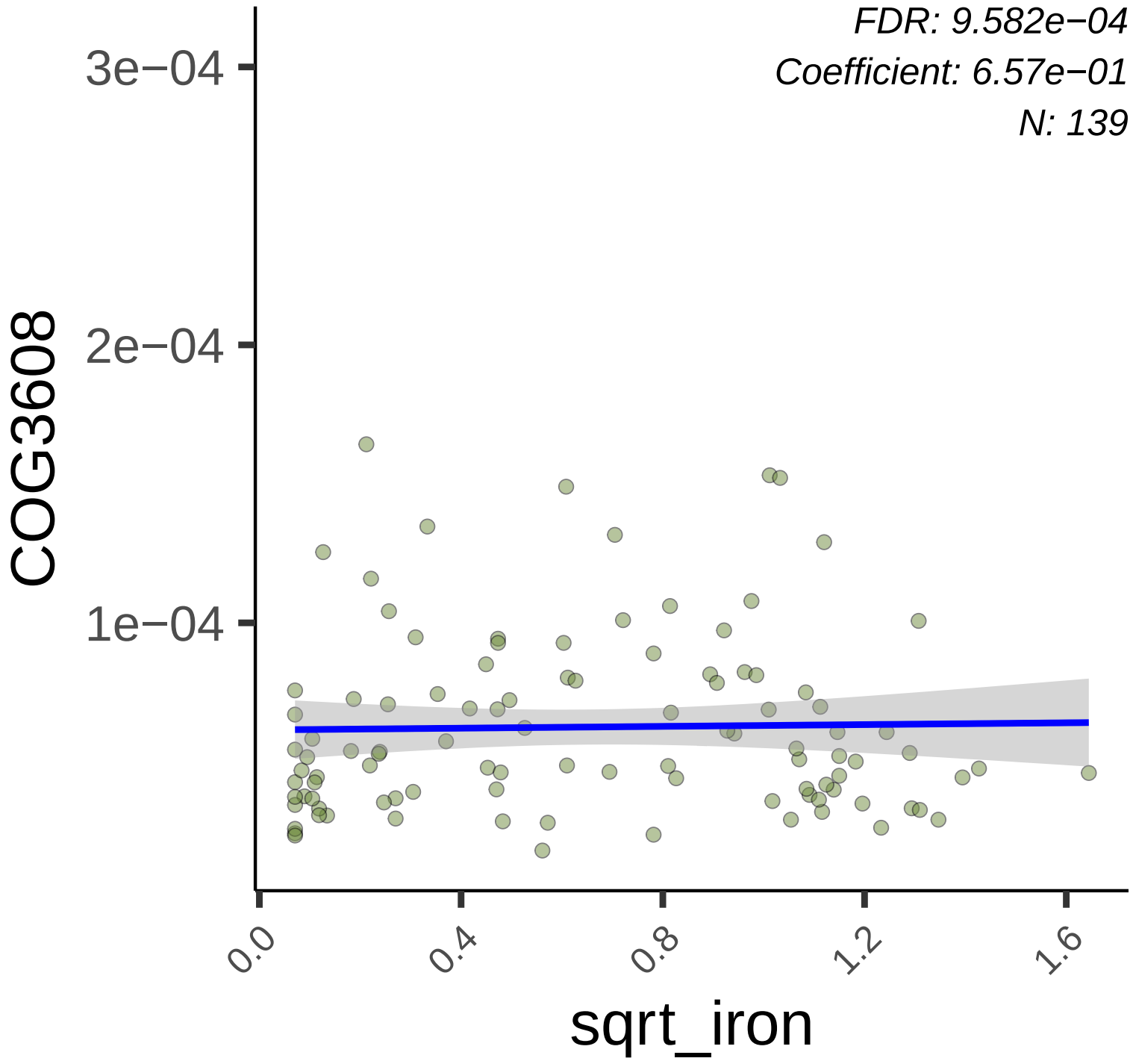
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.573e−04
Coefficient: 4.59e−01
N: 139
COG0243
0.0012
0.0008
0.0004
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.582e−04
Coefficient: 6.57e−01
N: 139
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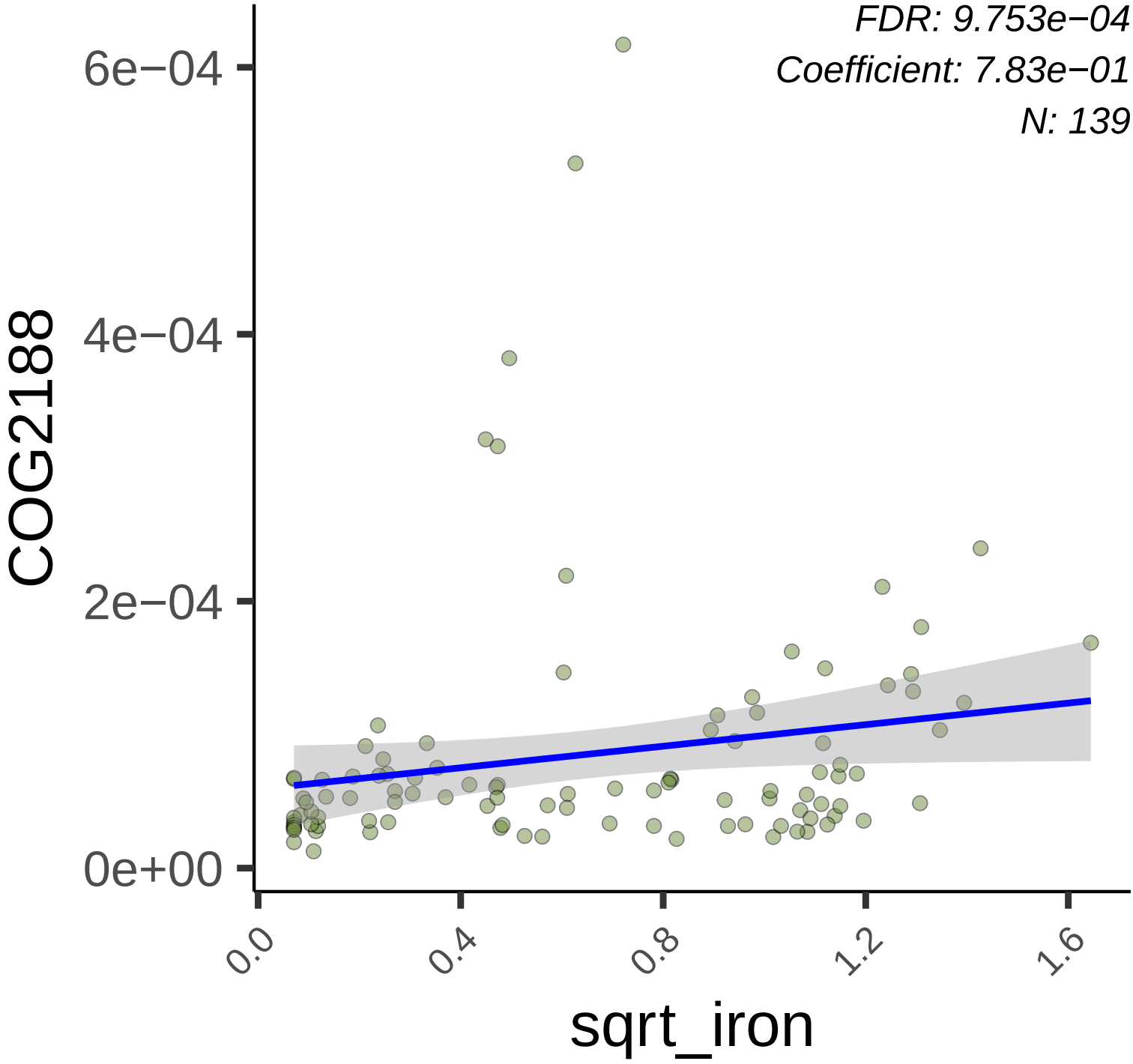
2e−04
1e−04
COG3608
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.753e−04
Coefficient: 7.83e−01
N: 139
COG2188
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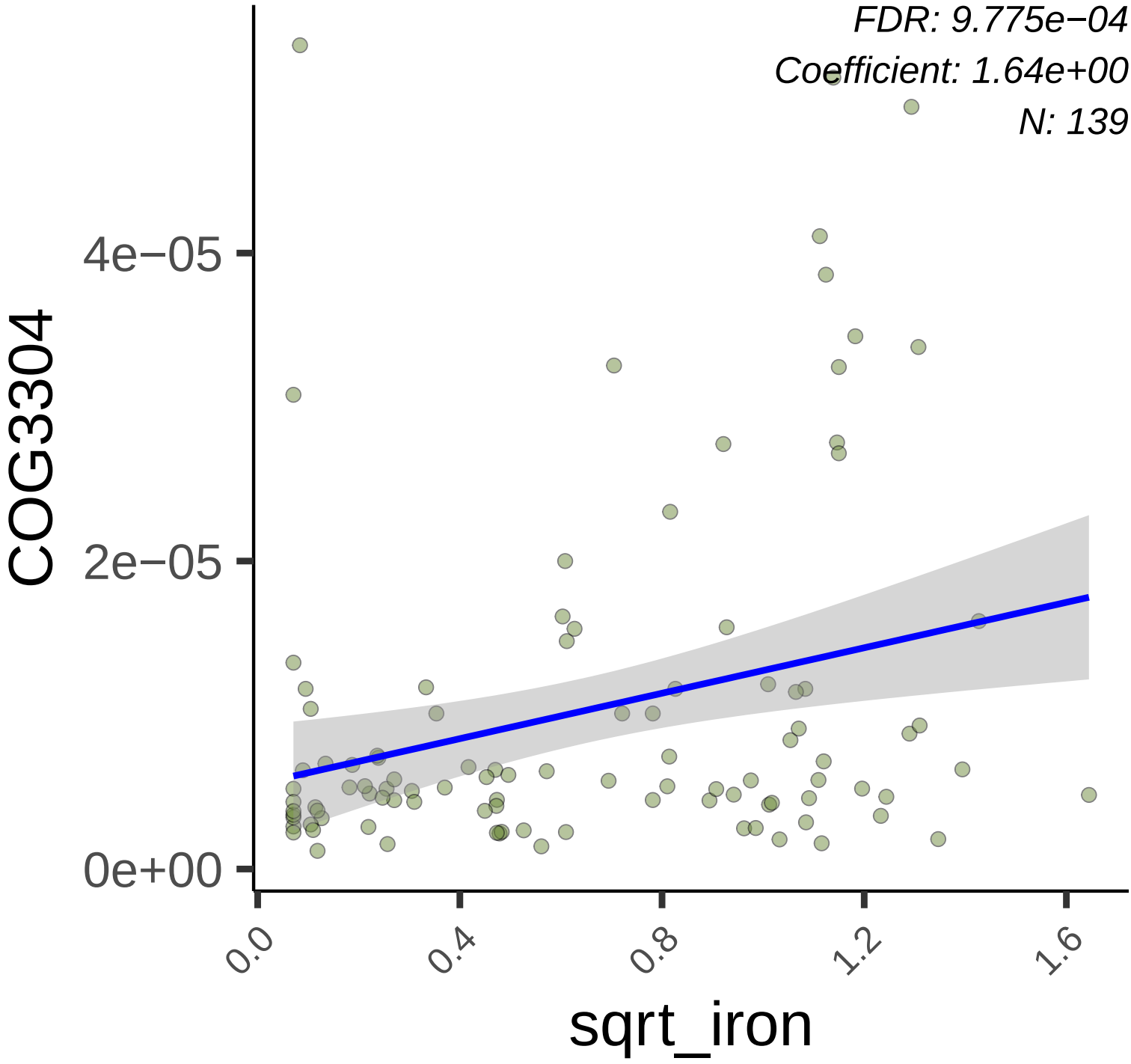
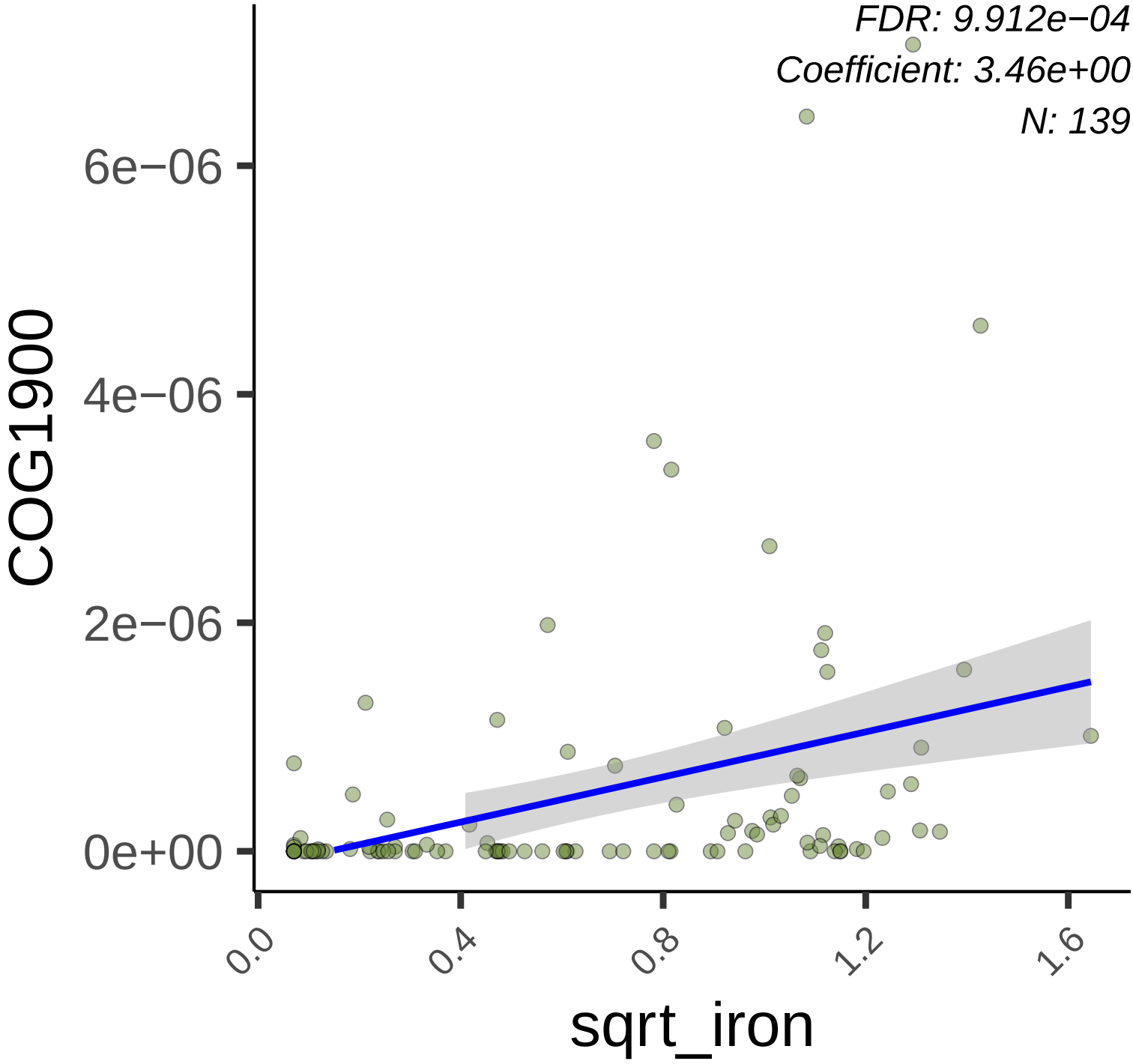
4e−04
2e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.775e−04
Coefficient: 1.64e+00
N: 139
COG3304
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.912e−04
Coefficient: 3.46e+00
N: 139
COG1900
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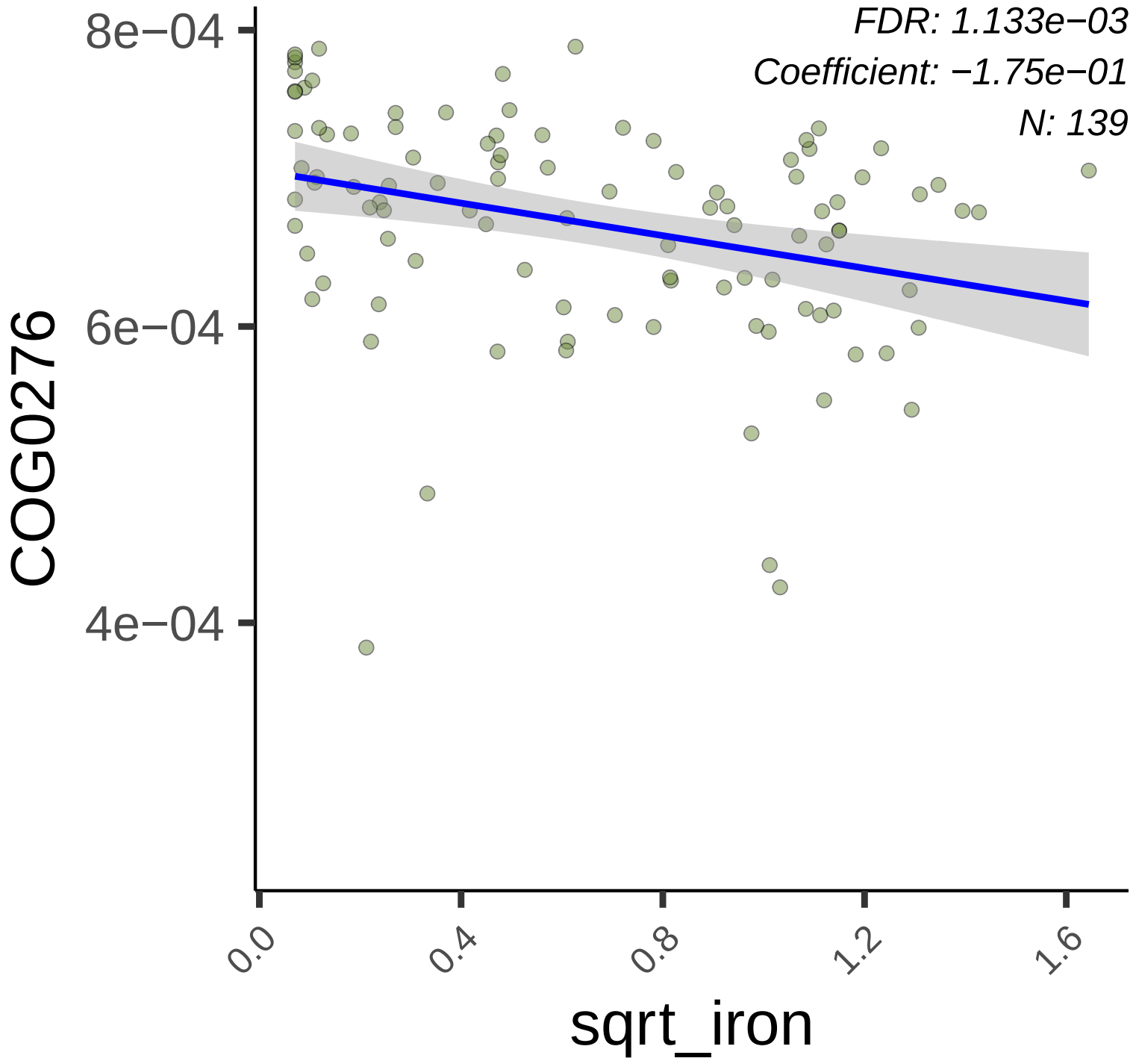
4e−06
2e−06
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.133e−03
Coefficient: −1.75e−01
N: 139
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6e−04
4e−04
COG0276
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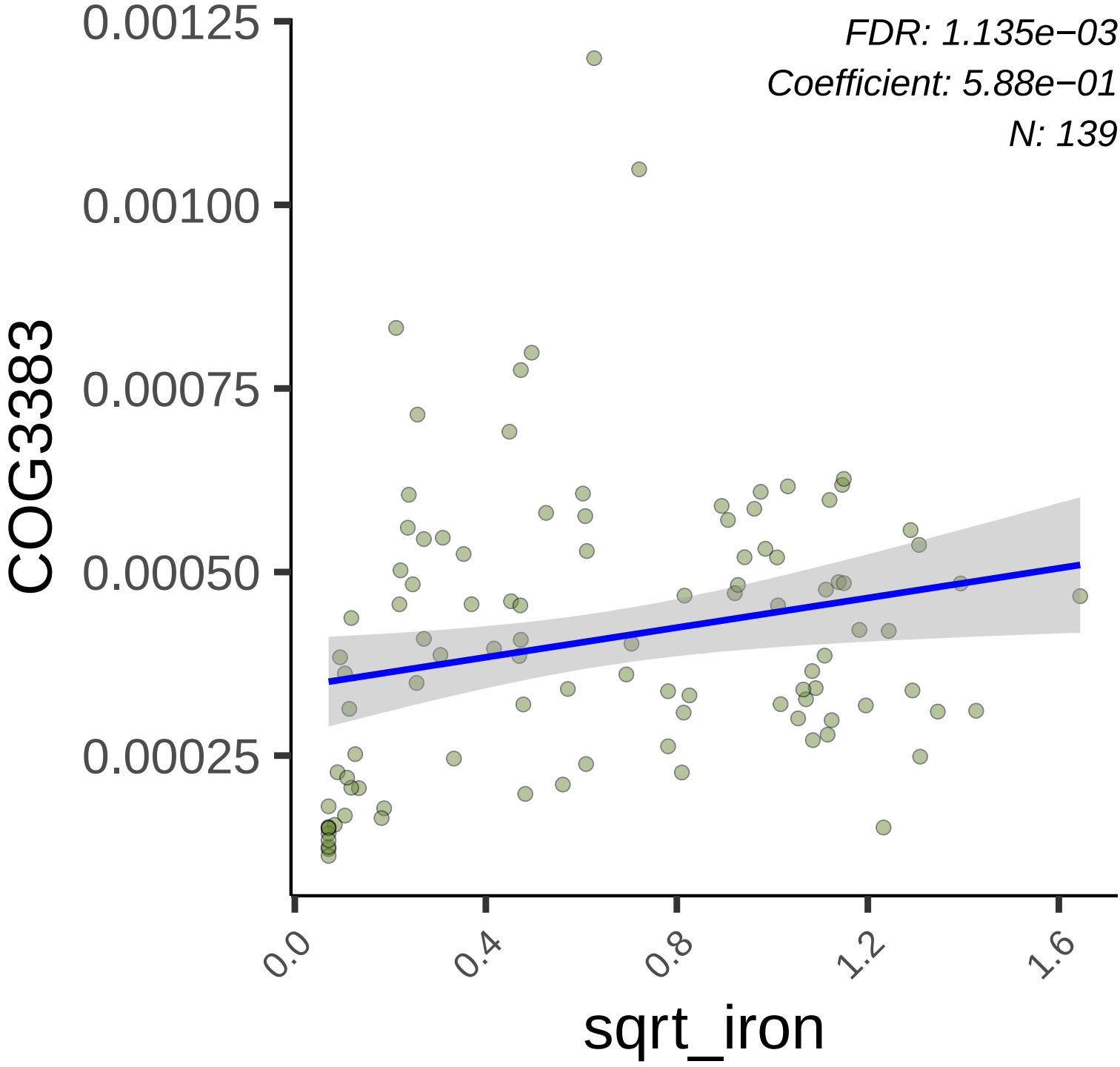
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.135e−03
Coefficient: 5.88e−01
N: 139
COG3383
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0.00100
0.00075
0.00050
0.00025
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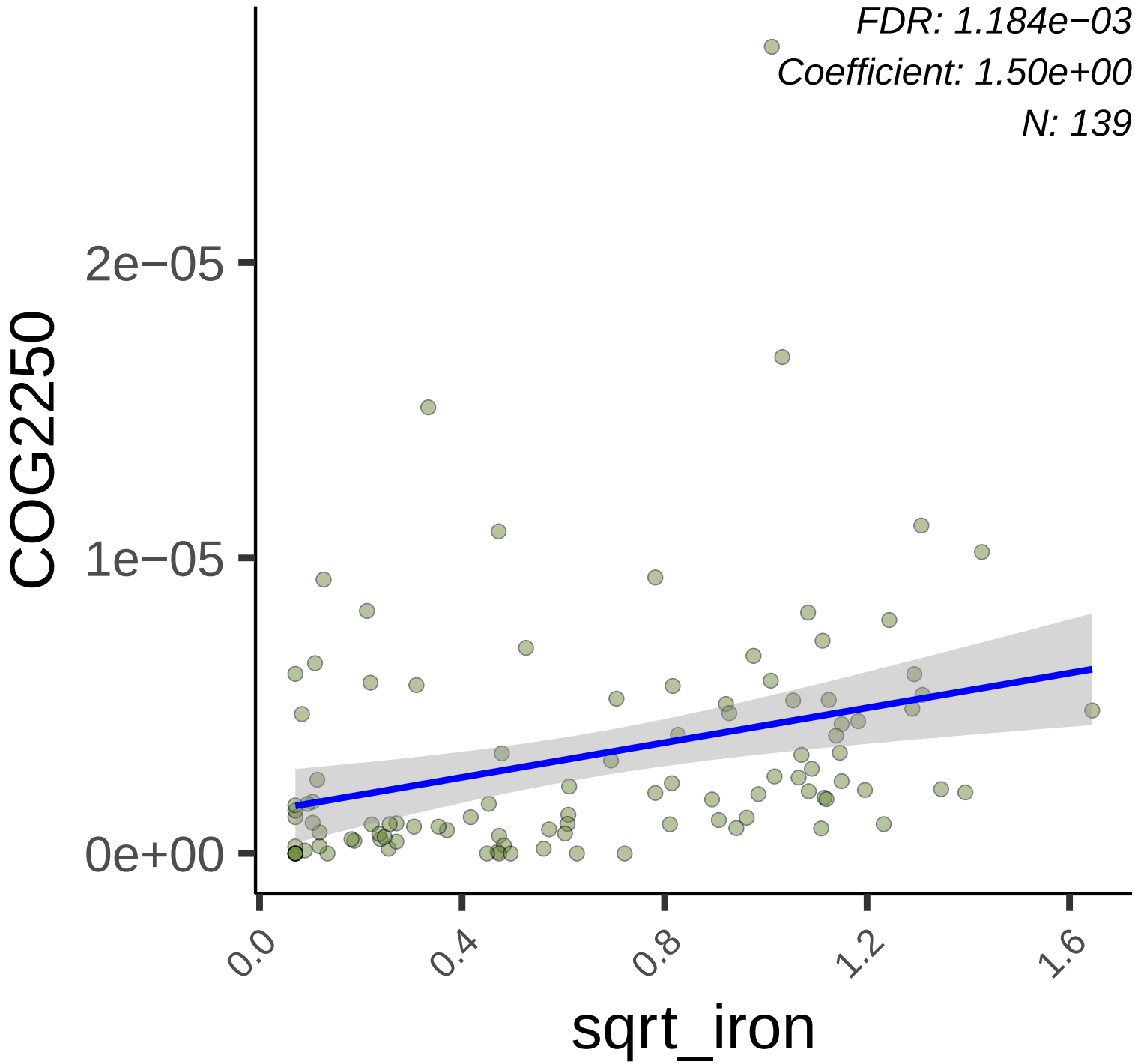
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.184e−03
Coefficient: 1.50e+00
N: 139
COG2250
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1e−05
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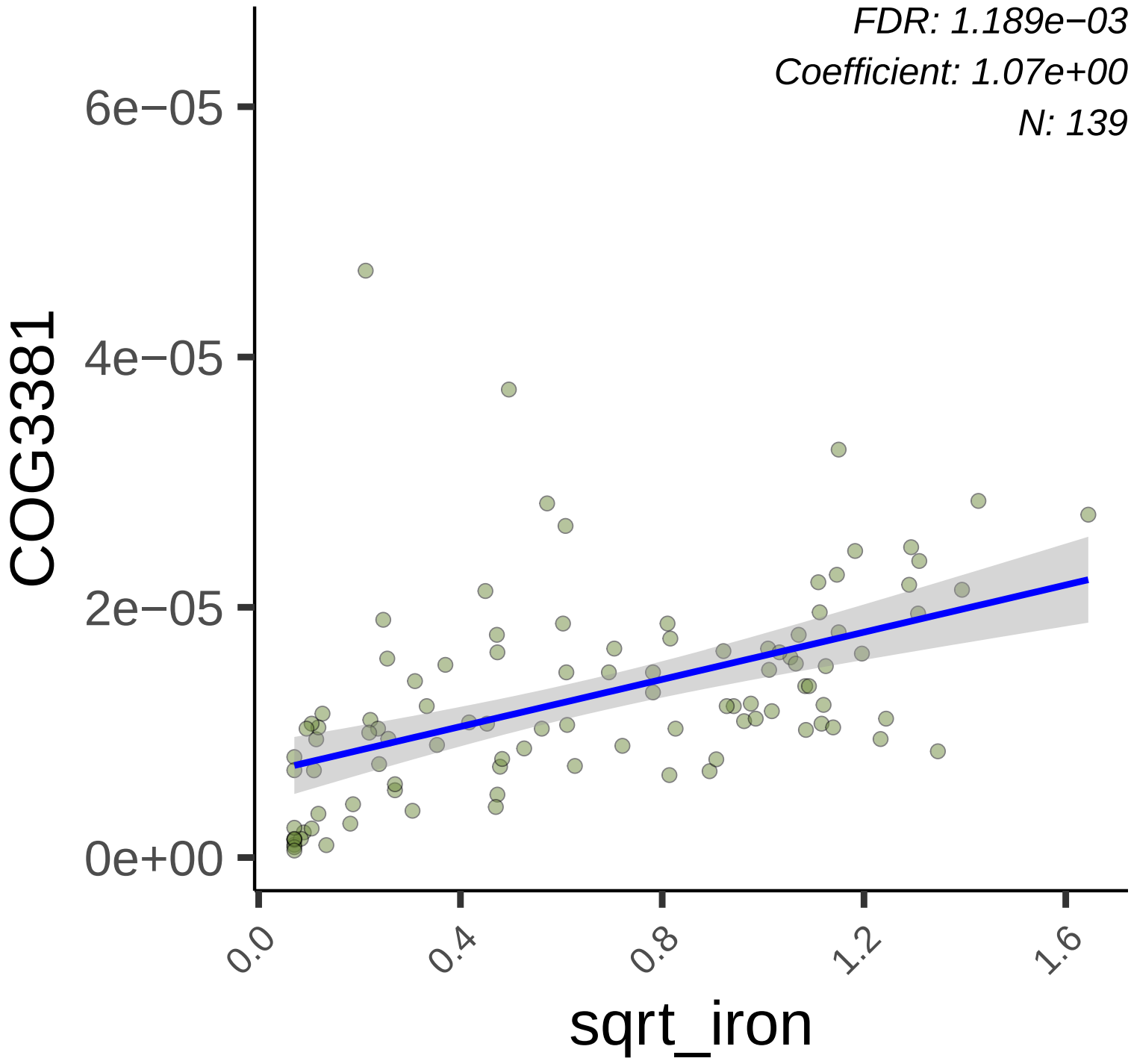
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.189e−03
Coefficient: 1.07e+00
N: 139
COG3381
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4e−05
2e−05
0e+00
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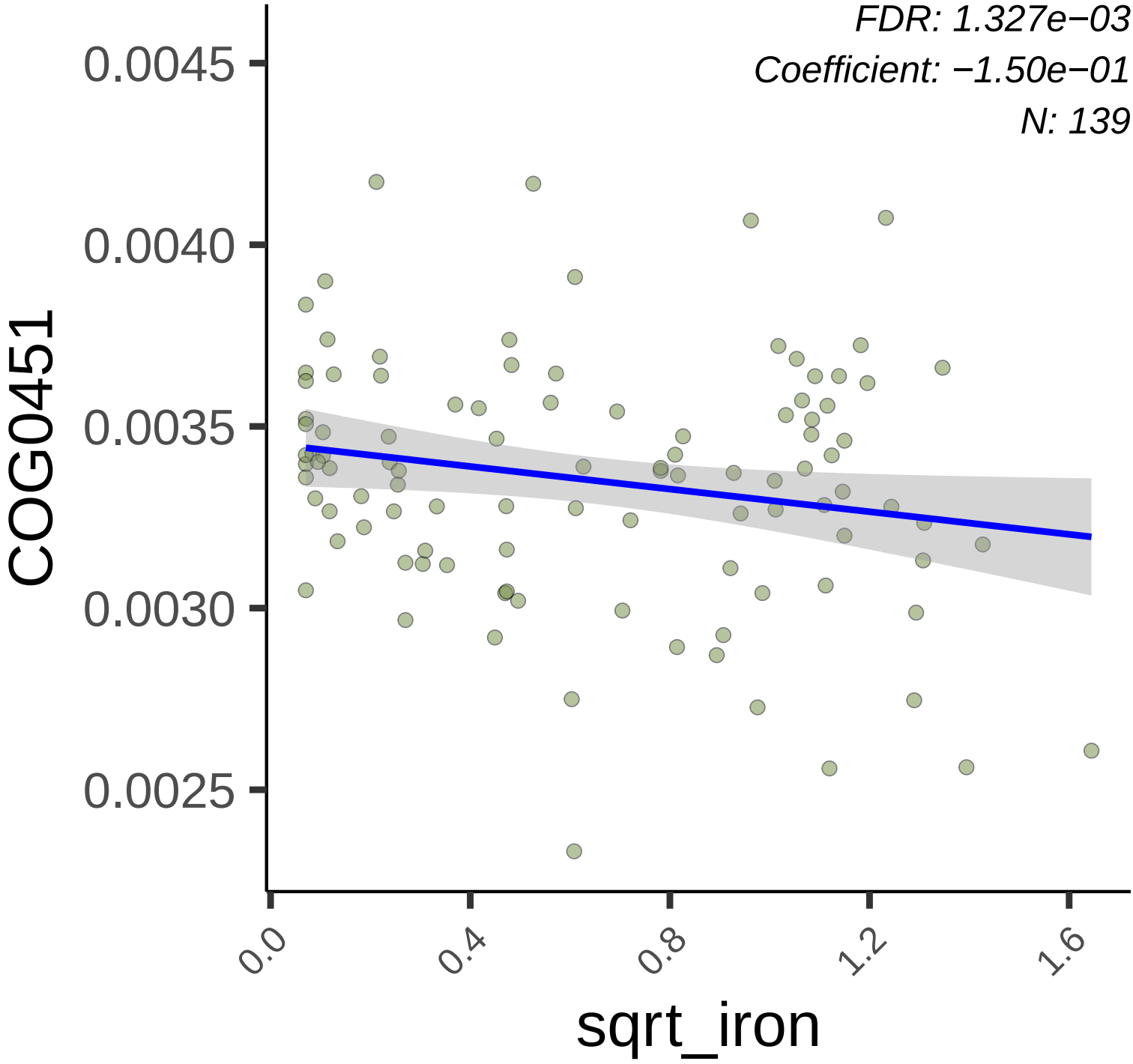
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.327e−03
Coefficient: −1.50e−01
N: 139
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0.0040
0.0035
0.0030
0.0025
COG0451
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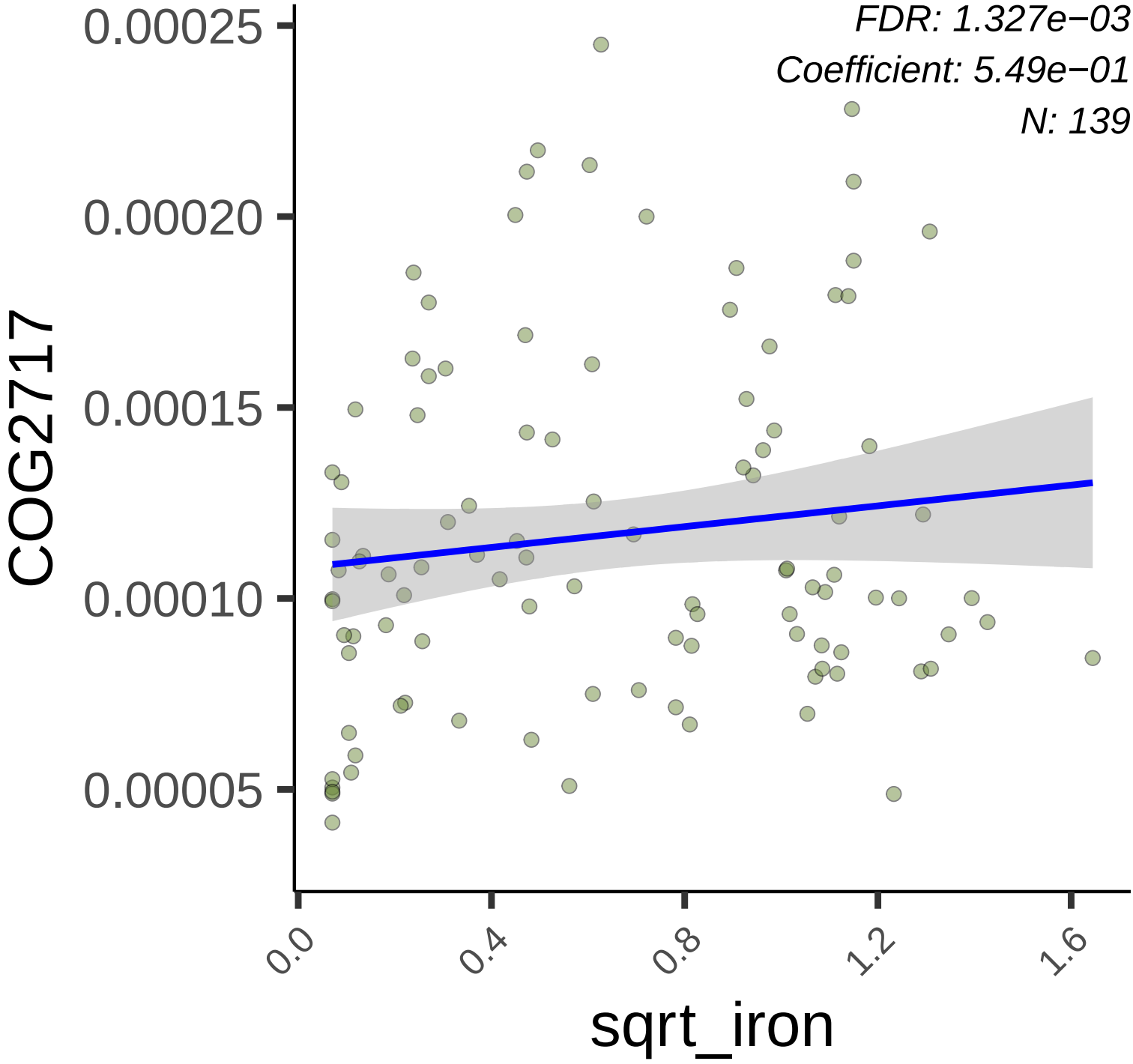
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.327e−03
Coefficient: 5.49e−01
N: 139
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0.00020
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0.00010
0.00005
COG2717
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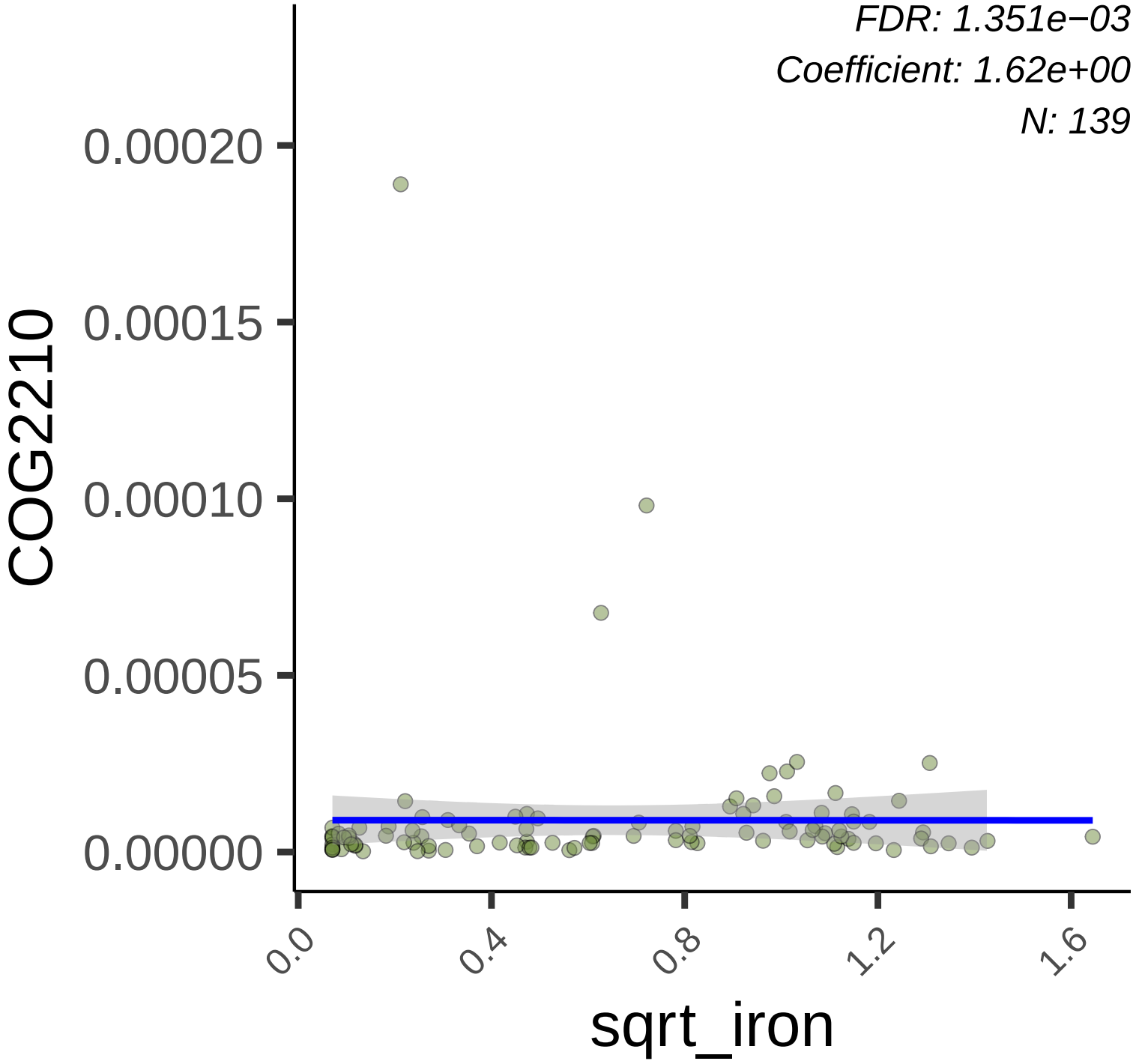
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.351e−03
Coefficient: 1.62e+00
N: 139
COG2210
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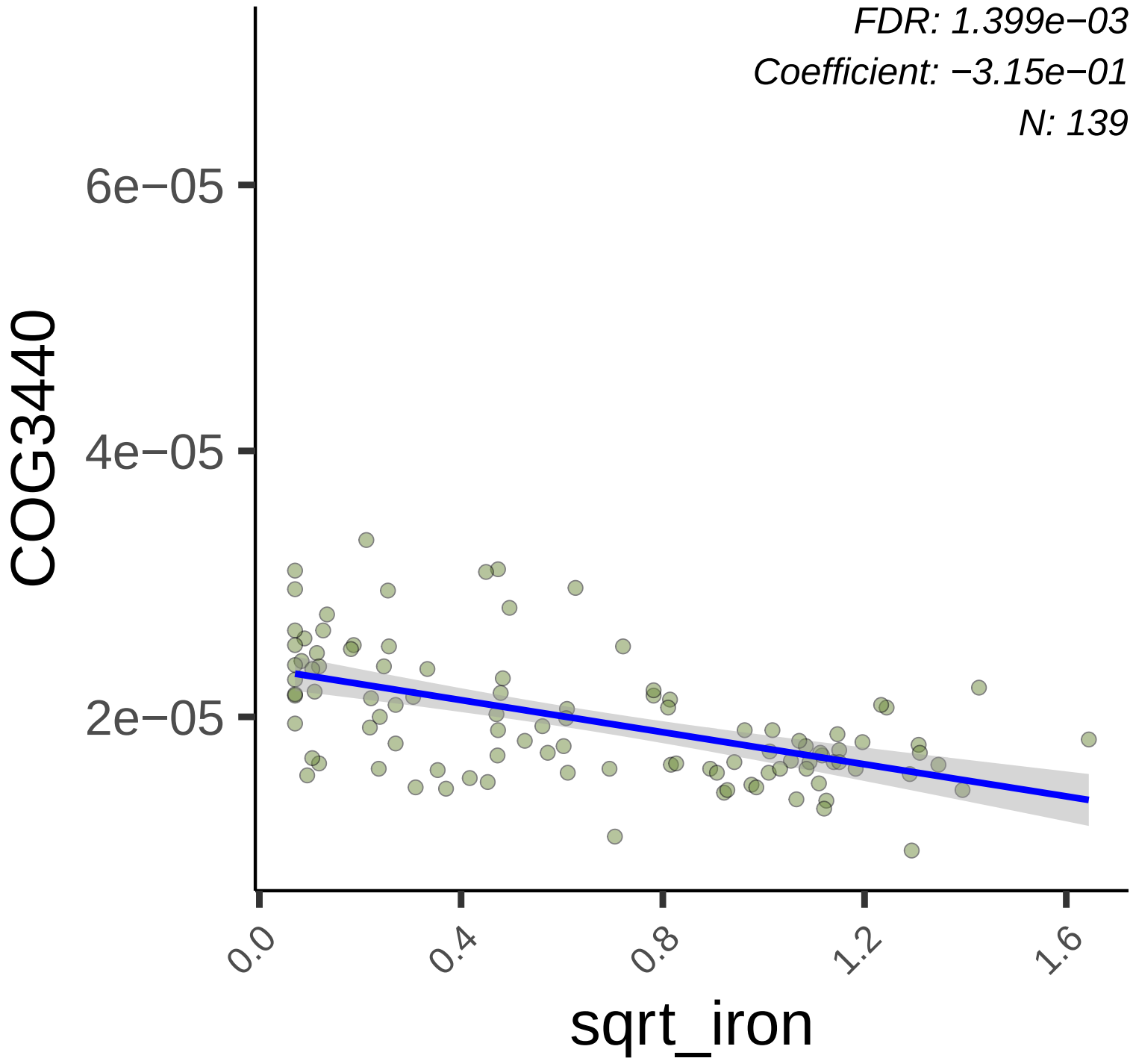
1.6
sqrt_iron


FDR: 1.399e−03
Coefficient: −3.15e−01
N: 139
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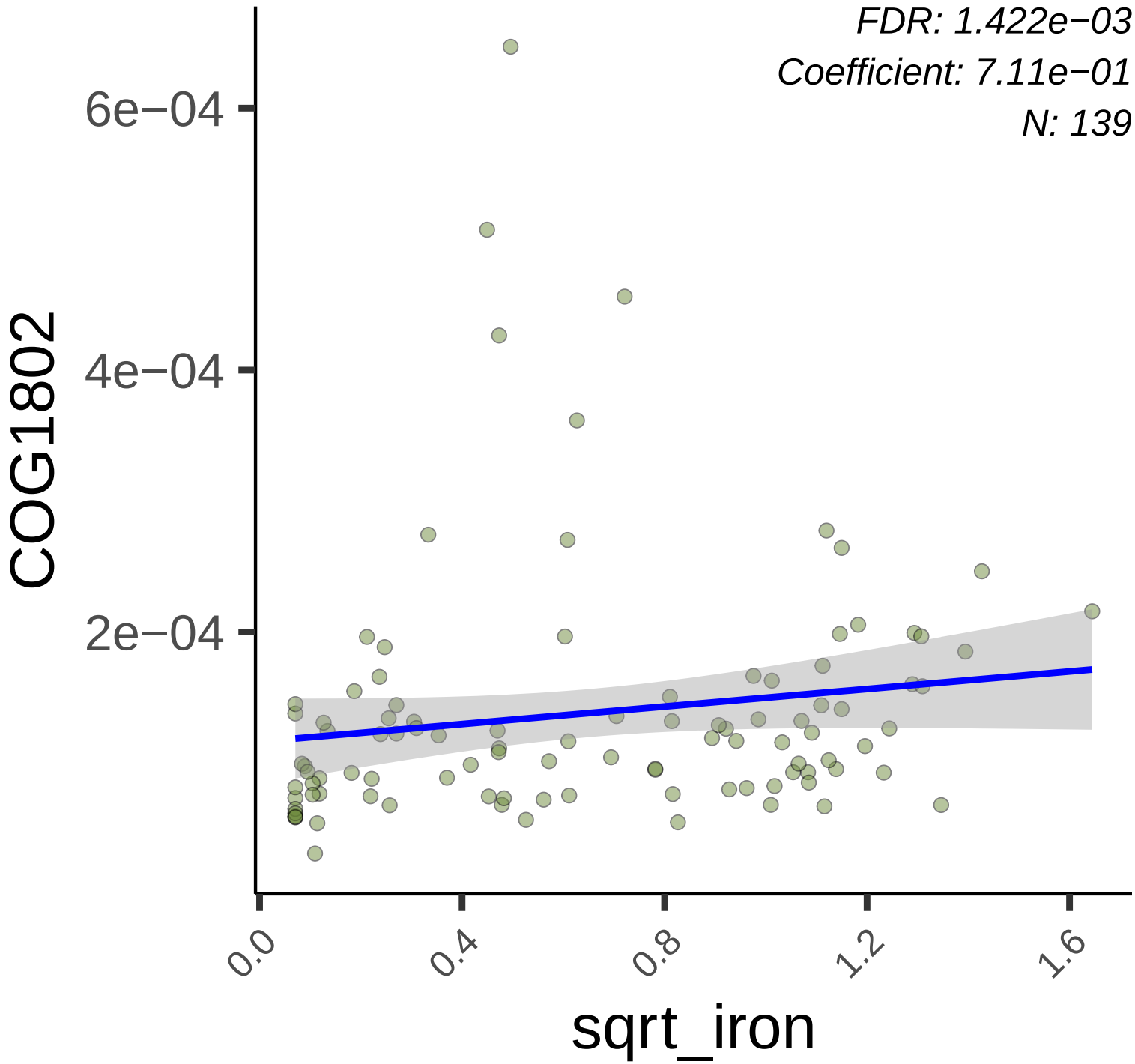
1.2
1.6
sqrt_iron


FDR: 1.422e−03
Coefficient: 7.11e−01
N: 139
COG1802
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4e−04
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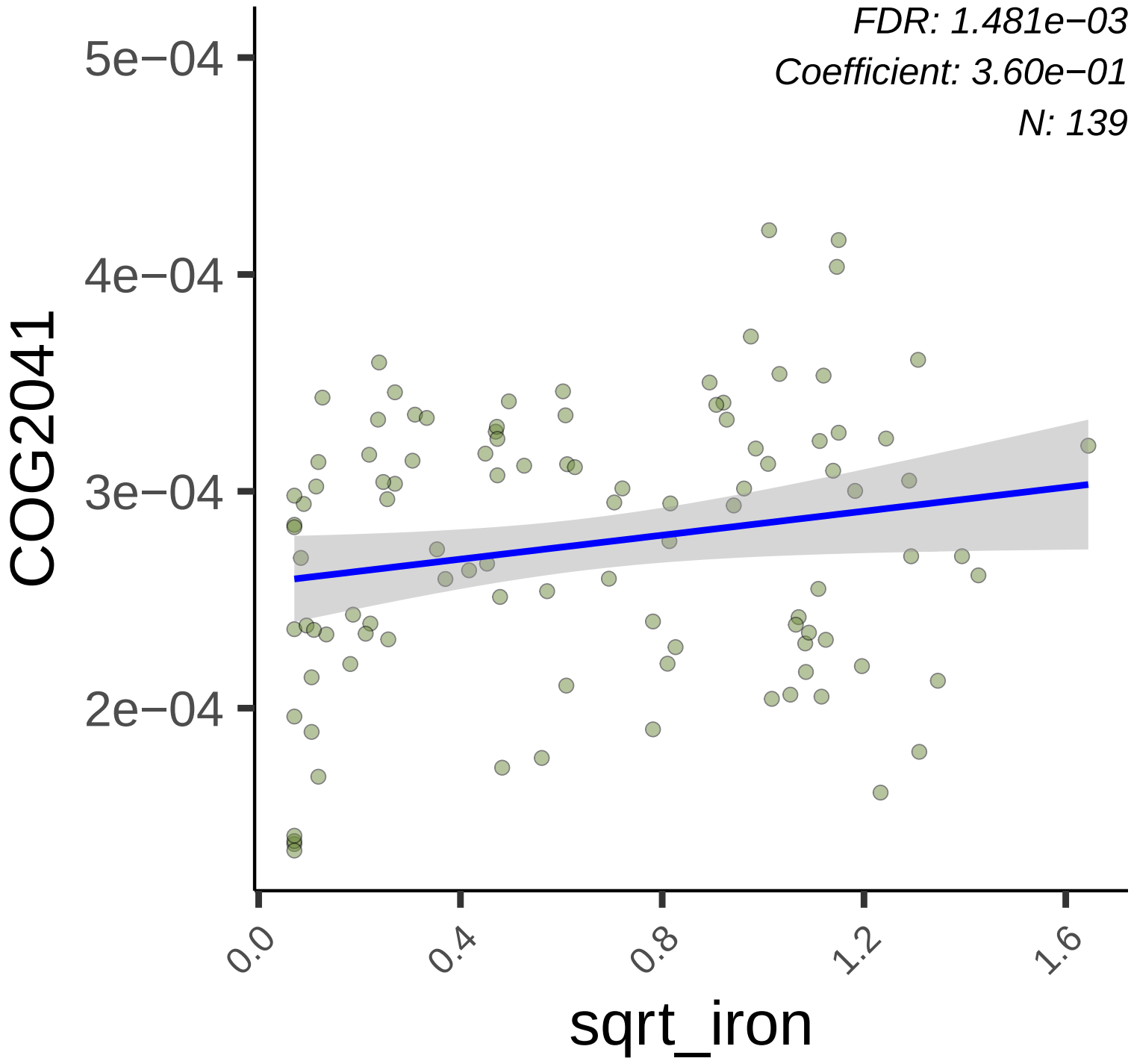
1.2
1.6
sqrt_iron


FDR: 1.481e−03
Coefficient: 3.60e−01
N: 139
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3e−04
2e−04
COG2041
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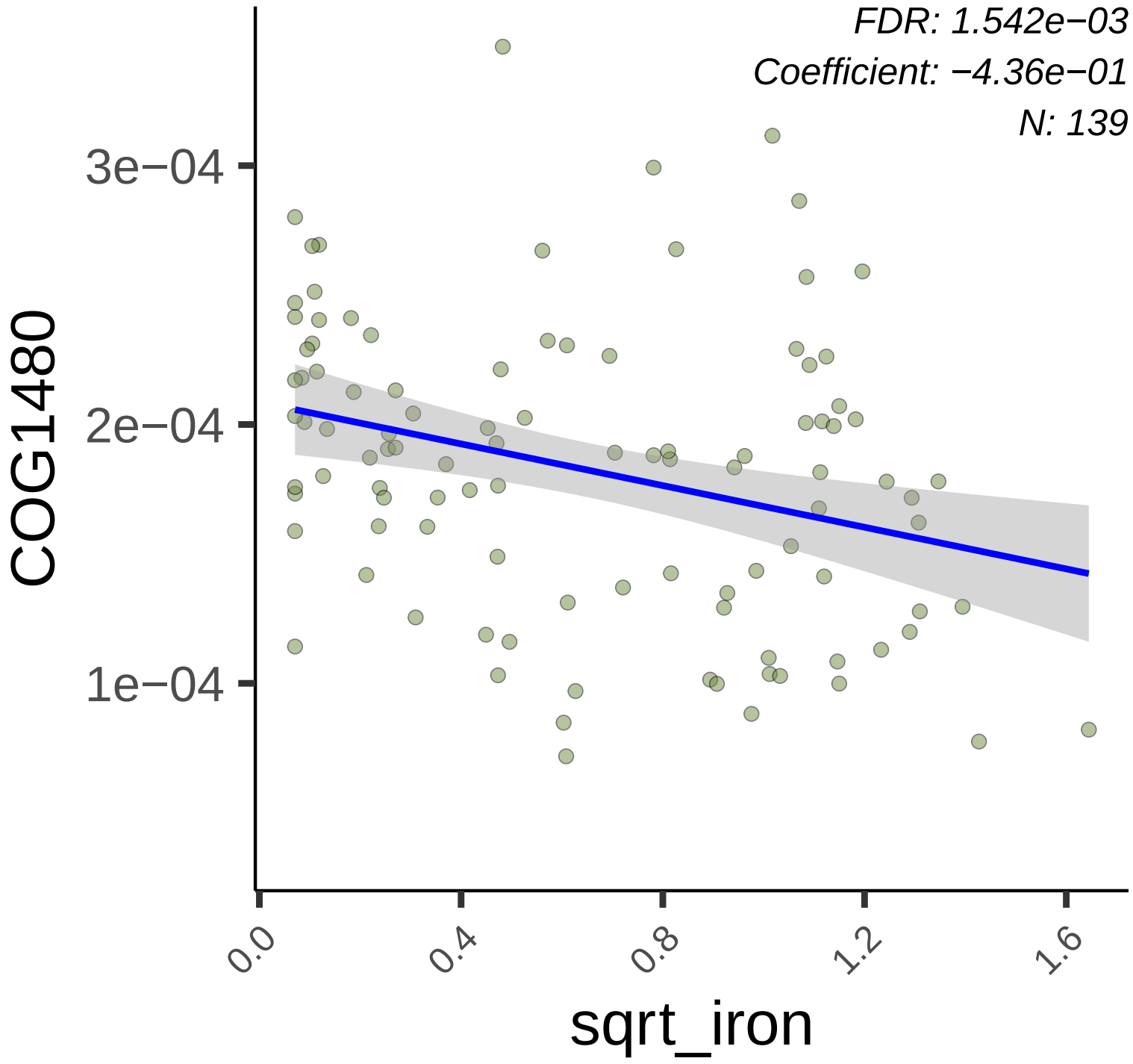
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.542e−03
Coefficient: −4.36e−01
N: 139
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2e−04
1e−04
COG1480
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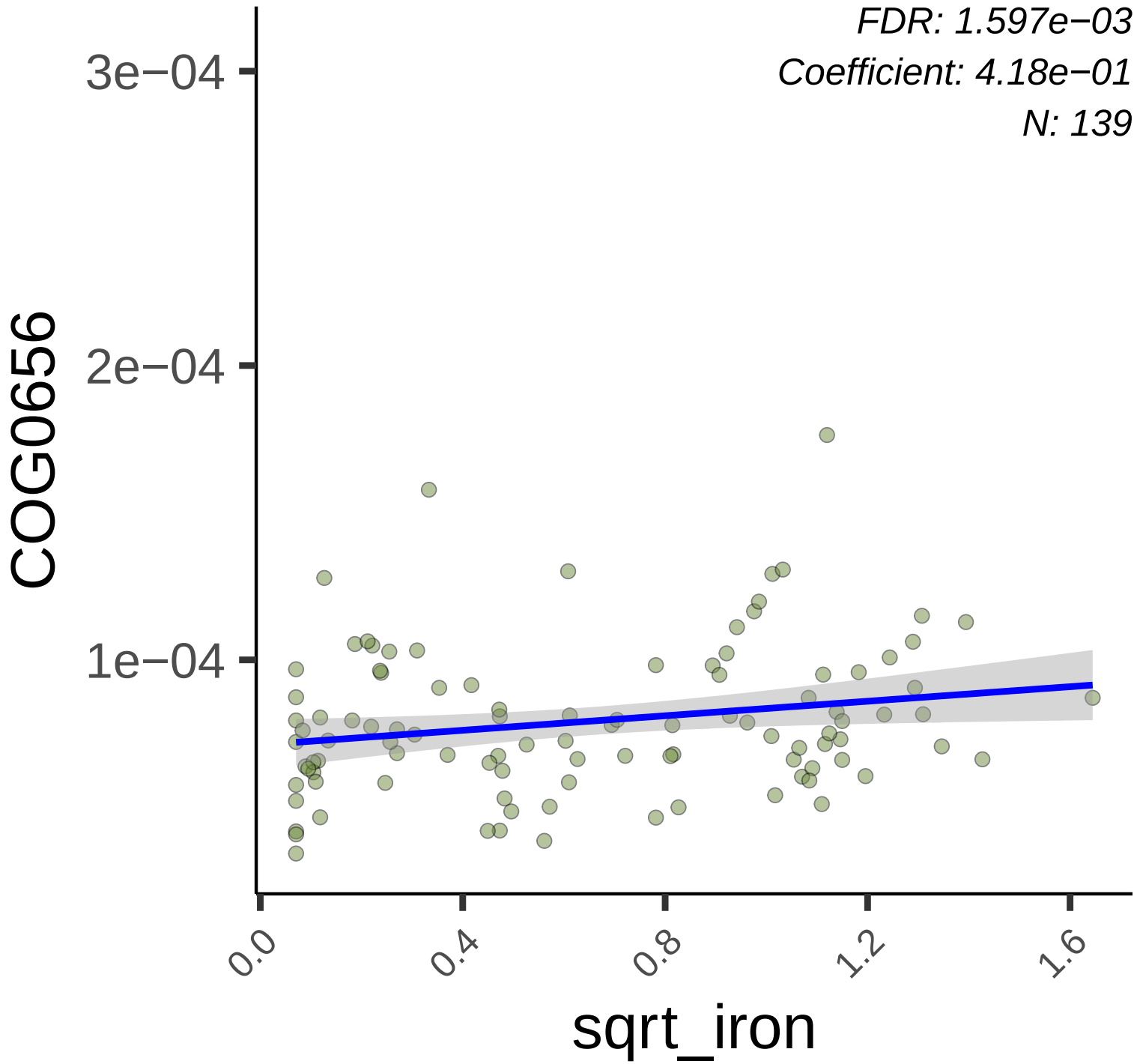
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.597e−03
Coefficient: 4.18e−01
N: 139
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2e−04
1e−04
COG0656
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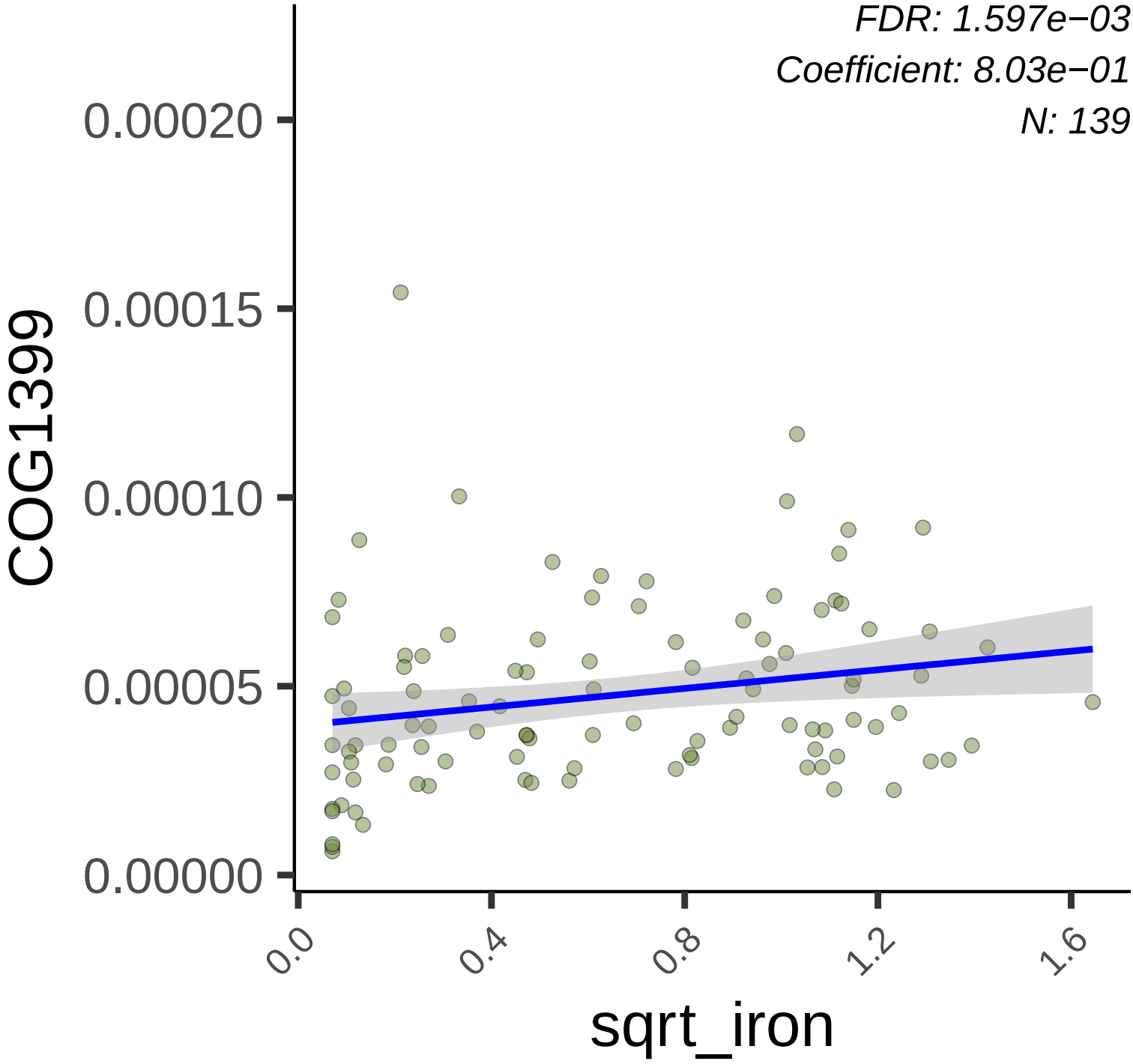
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.597e−03
Coefficient: 8.03e−01
N: 139
COG1399
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0.00010
0.00005
0.00000
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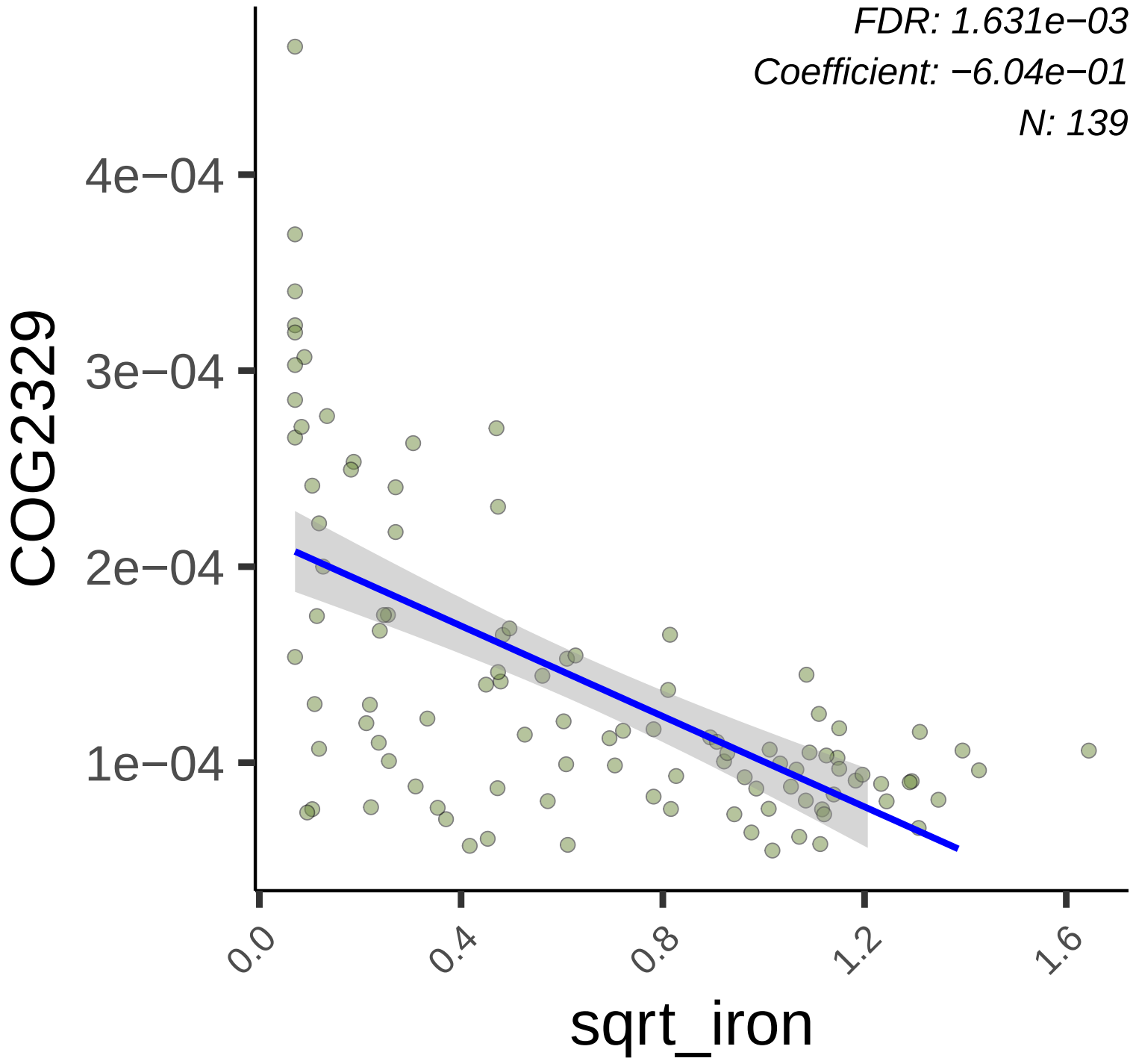
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.631e−03
Coefficient: −6.04e−01
N: 139
COG2329
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3e−04
2e−04
1e−04
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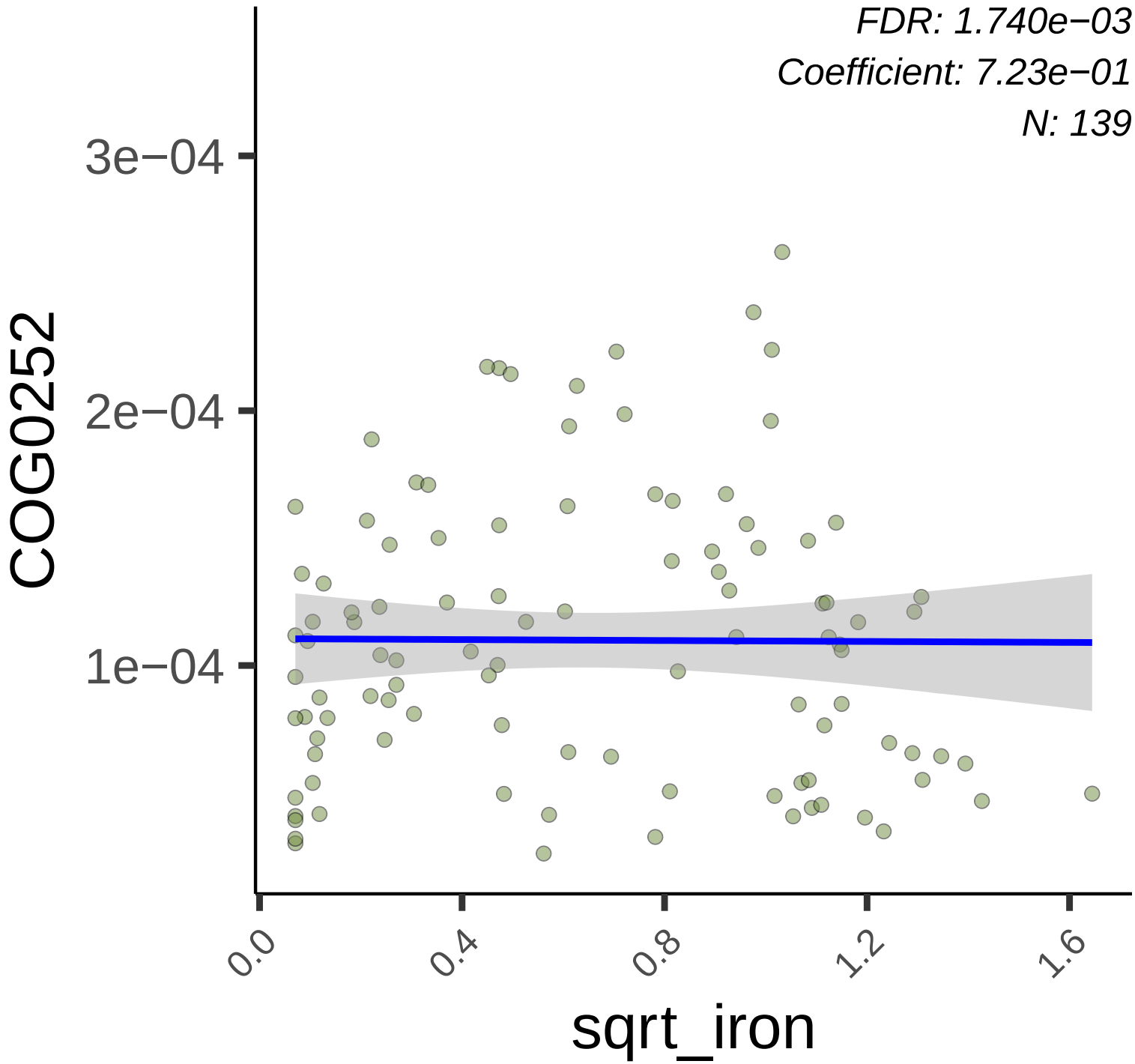
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.740e−03
Coefficient: 7.23e−01
N: 139
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2e−04
1e−04
COG0252
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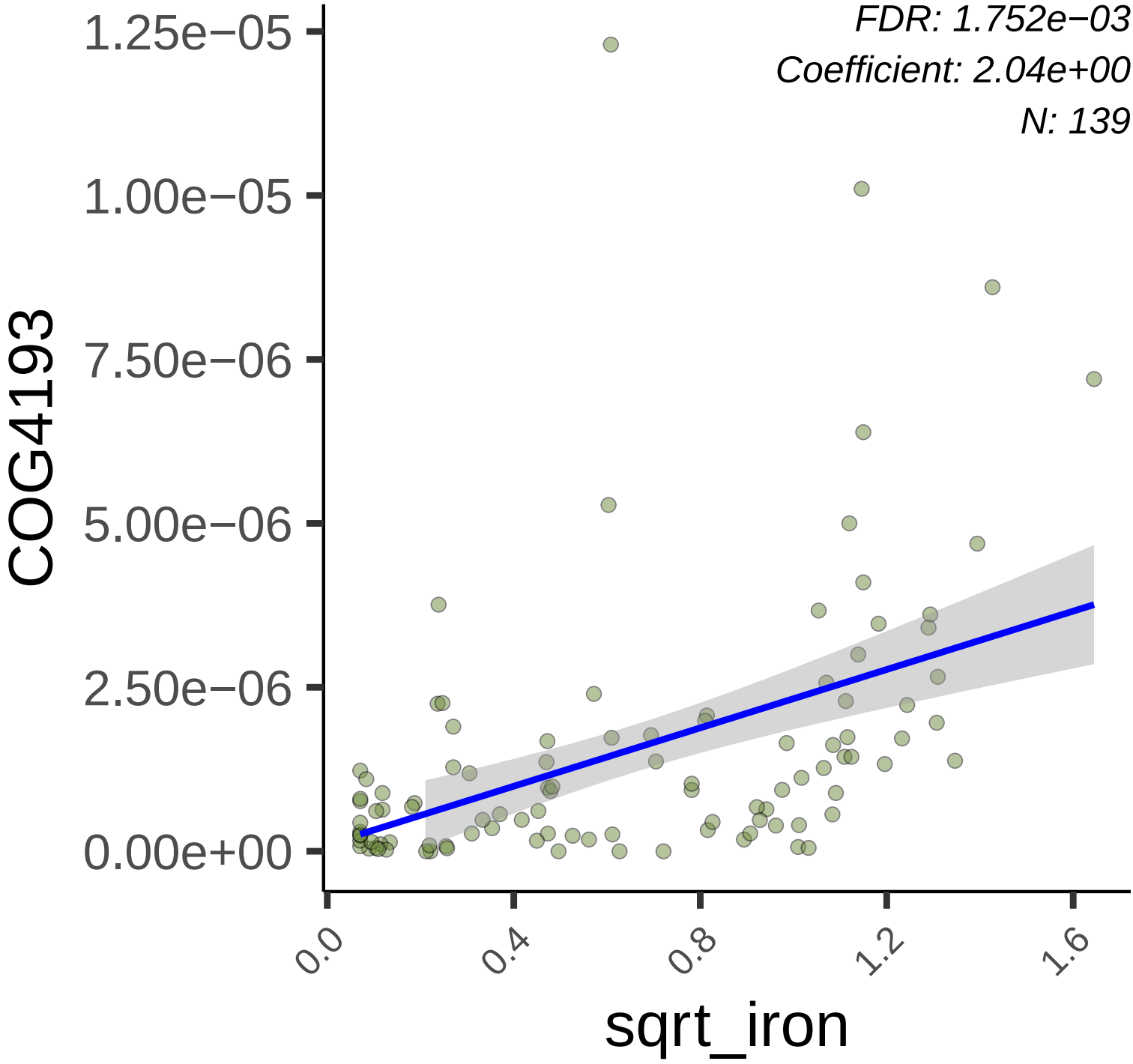
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.752e−03
Coefficient: 2.04e+00
N: 139
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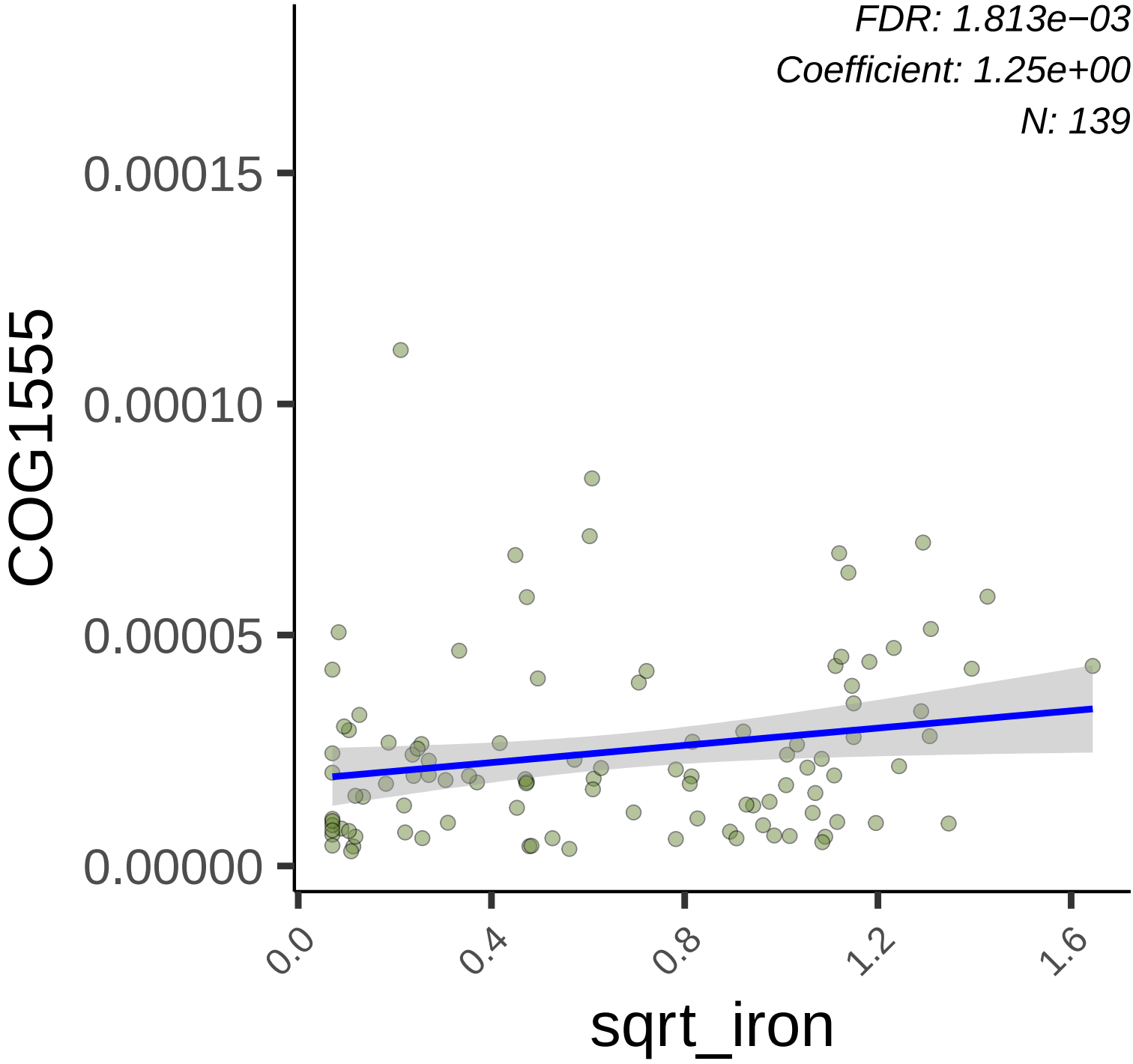
1.00e−05
7.50e−06
5.00e−06
2.50e−06
0.00e+00
COG4193
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.813e−03
Coefficient: 1.25e+00
N: 139
COG1555
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0.4
0.8
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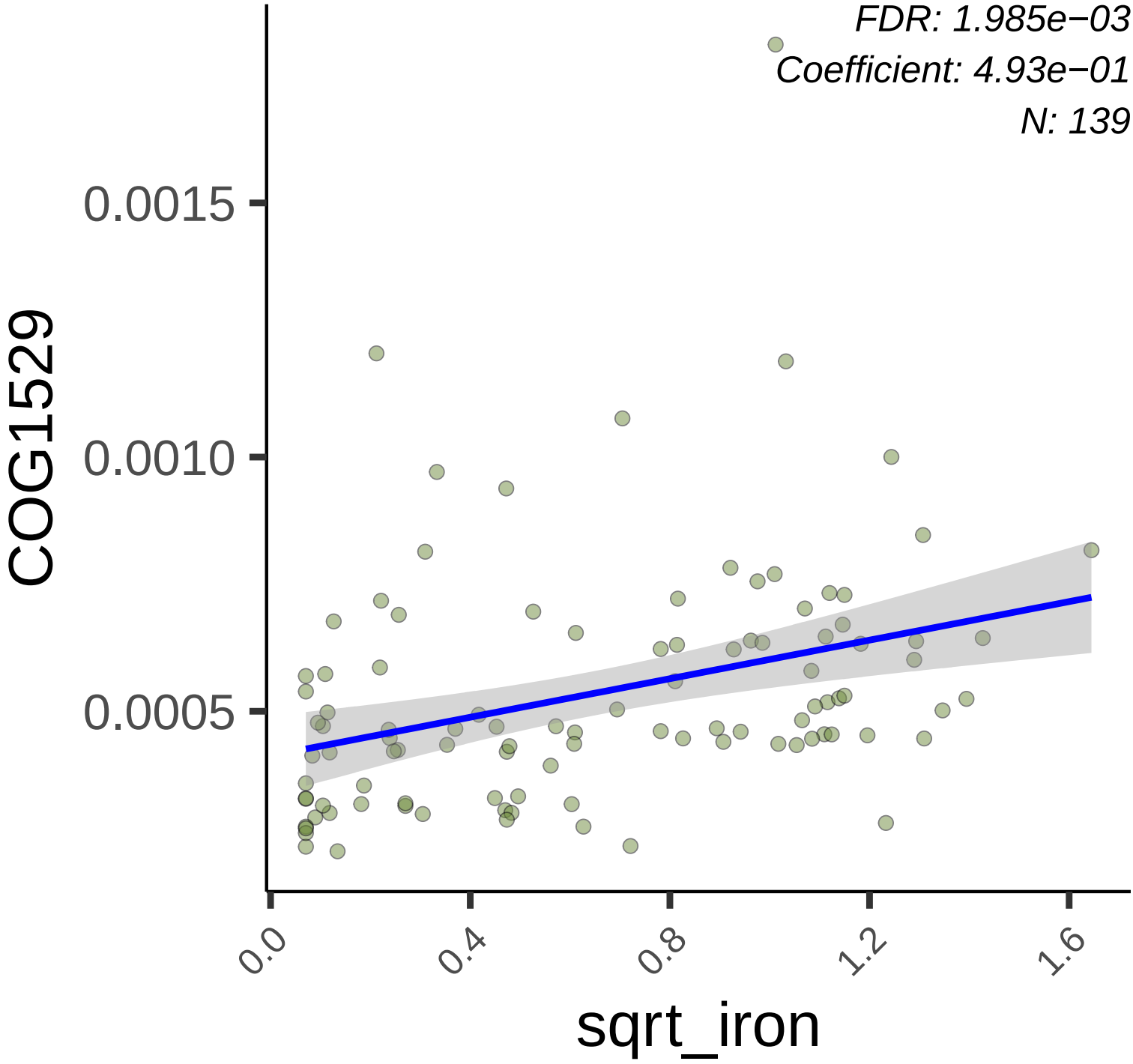
1.6
sqrt_iron


FDR: 1.985e−03
Coefficient: 4.93e−01
N: 139
COG1529
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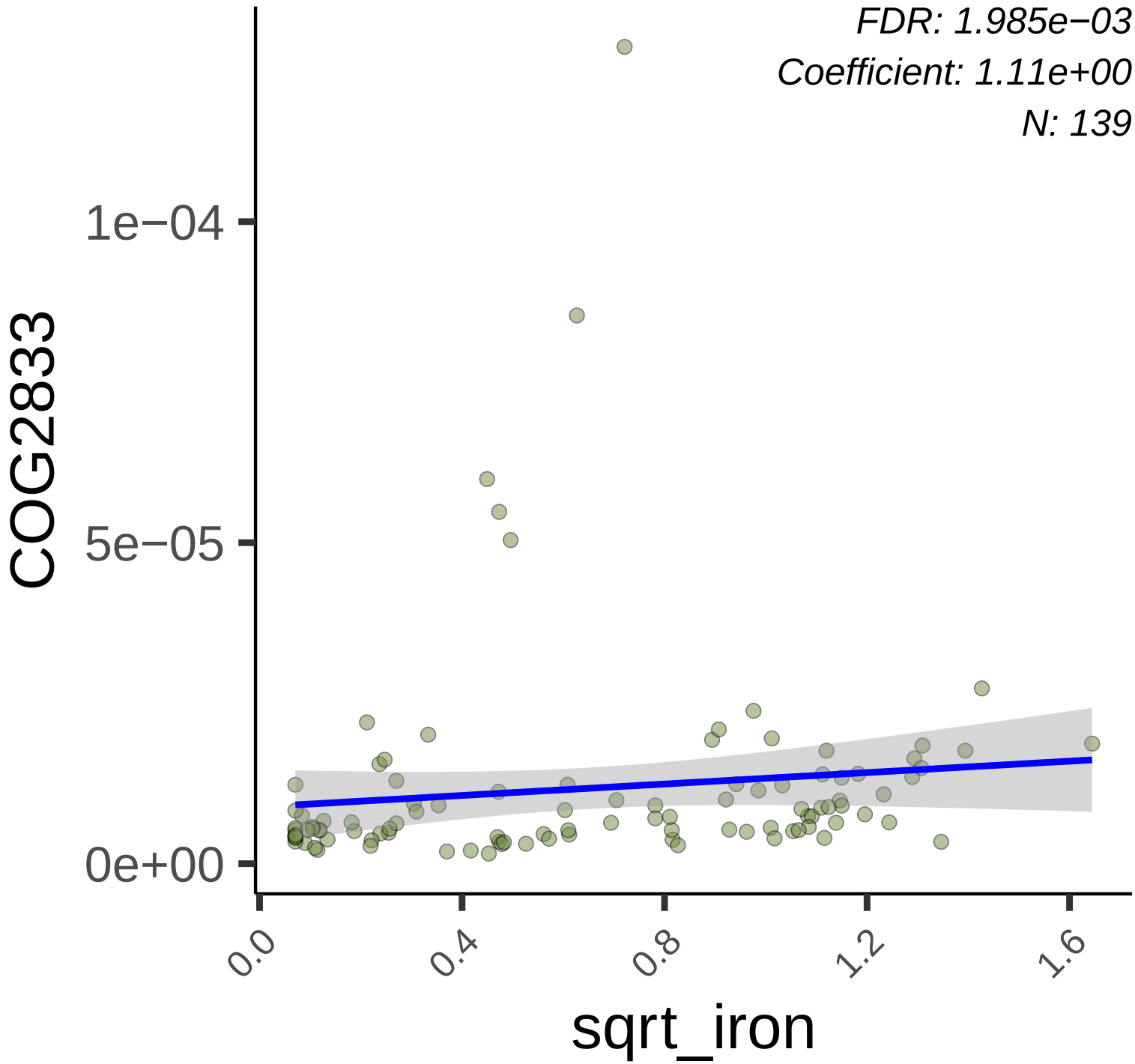
sqrt_iron


FDR: 1.985e−03
Coefficient: 1.11e+00
N: 139
COG2833
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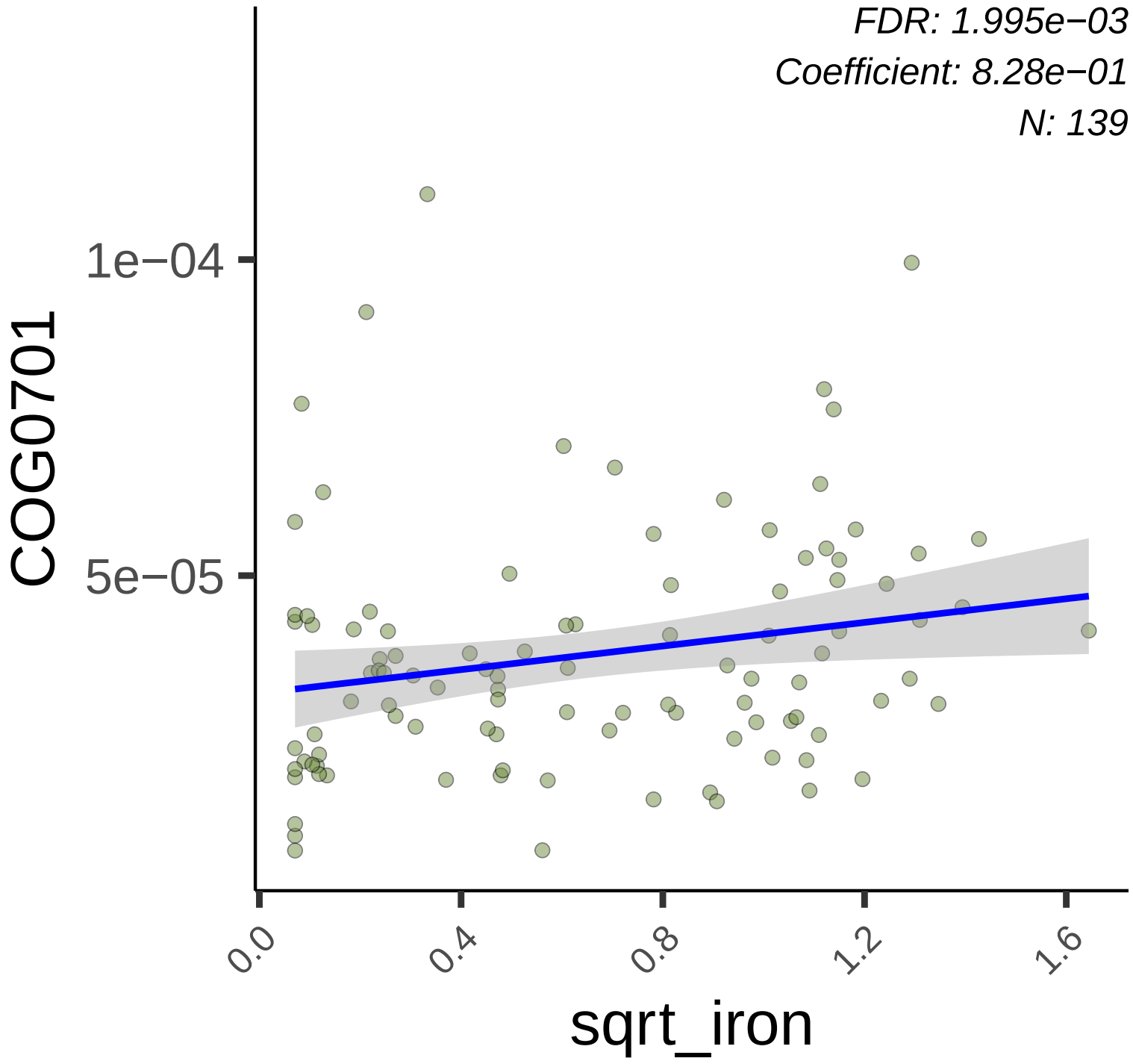
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.995e−03
Coefficient: 8.28e−01
N: 139
COG0701
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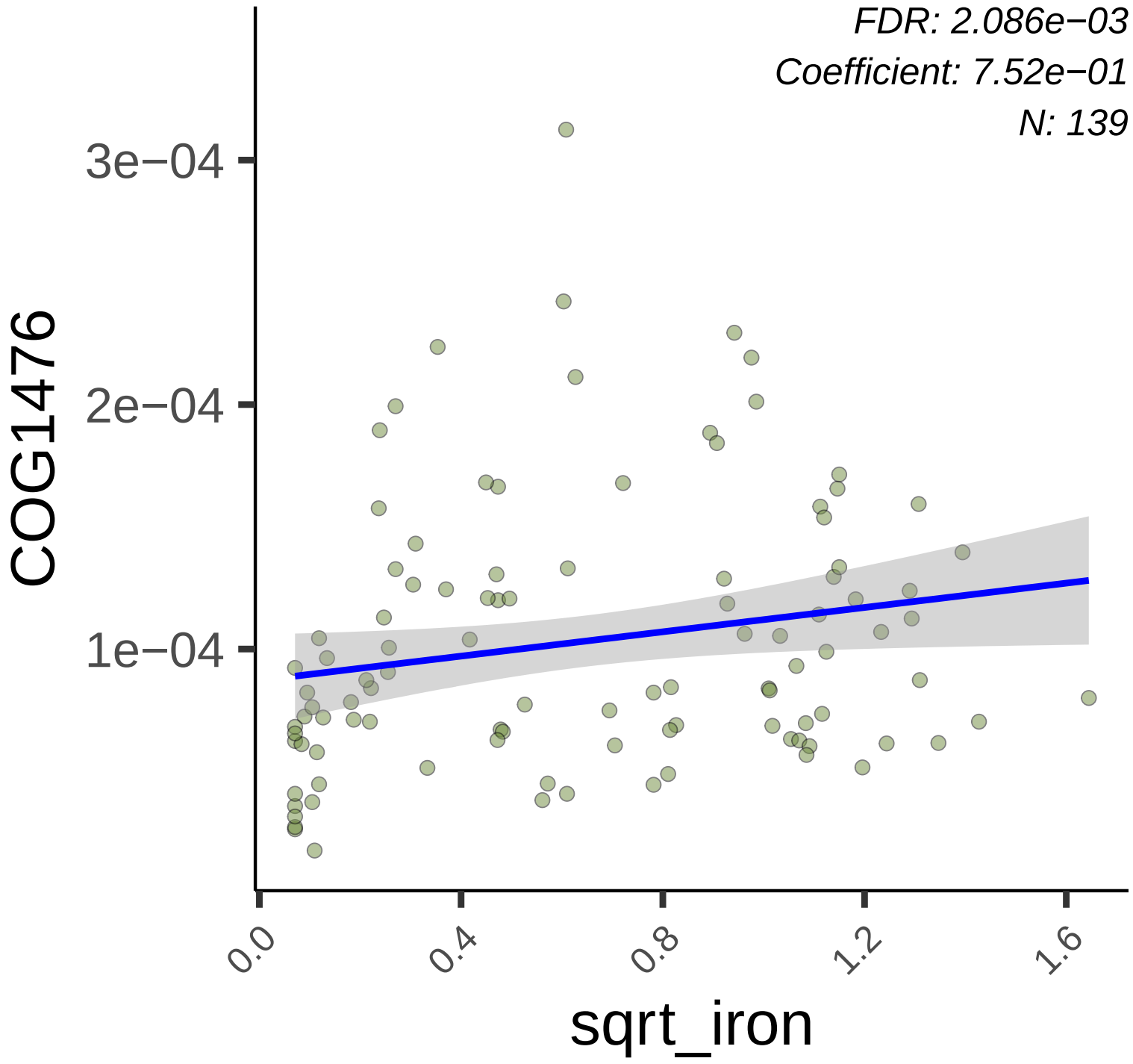
1.6
sqrt_iron


FDR: 2.086e−03
Coefficient: 7.52e−01
N: 139
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2e−04
1e−04
COG1476
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0.4
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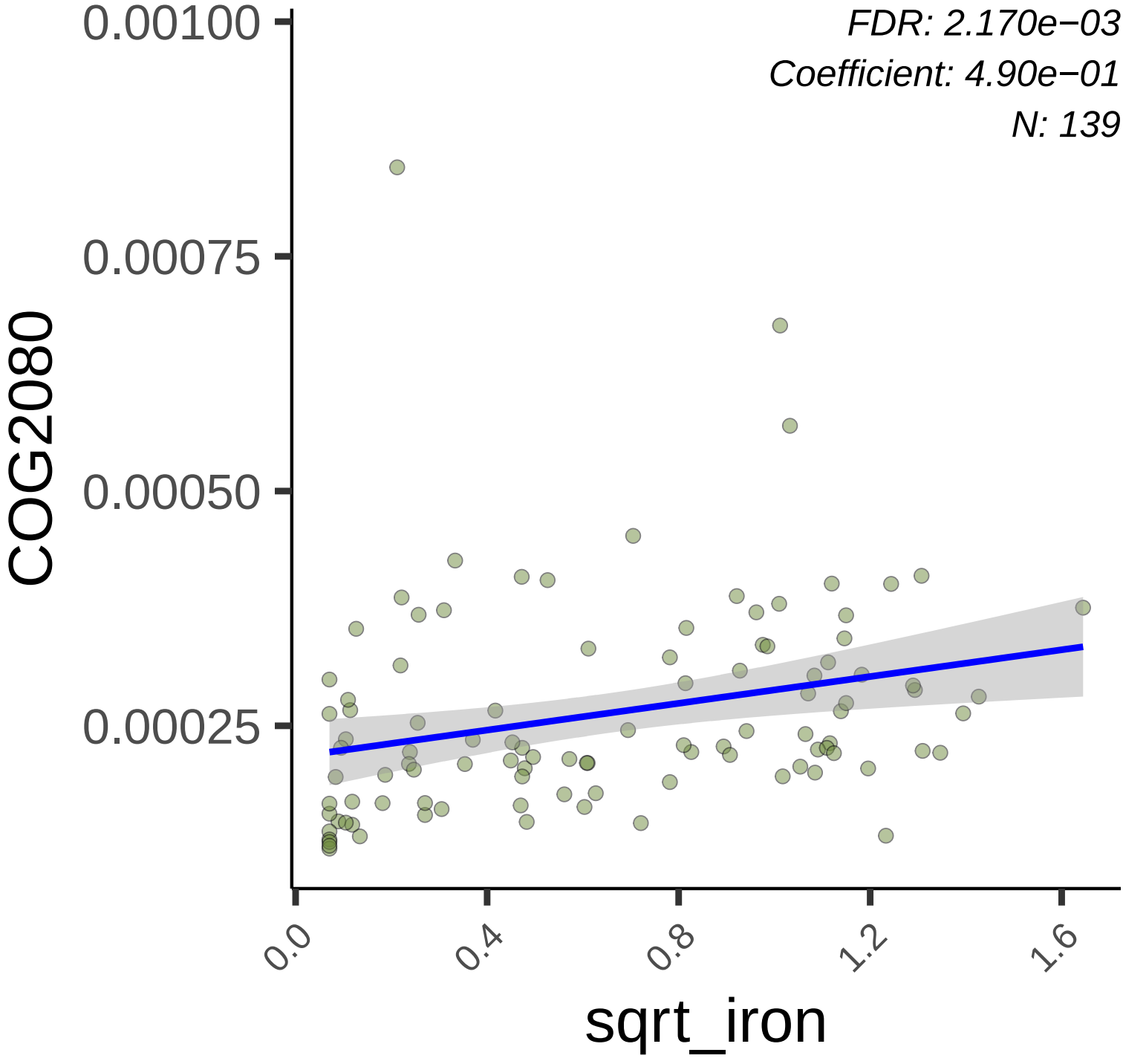
1.2
1.6
sqrt_iron


FDR: 2.170e−03
Coefficient: 4.90e−01
N: 139
0.00100
0.00075
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COG2080
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0.4
0.8
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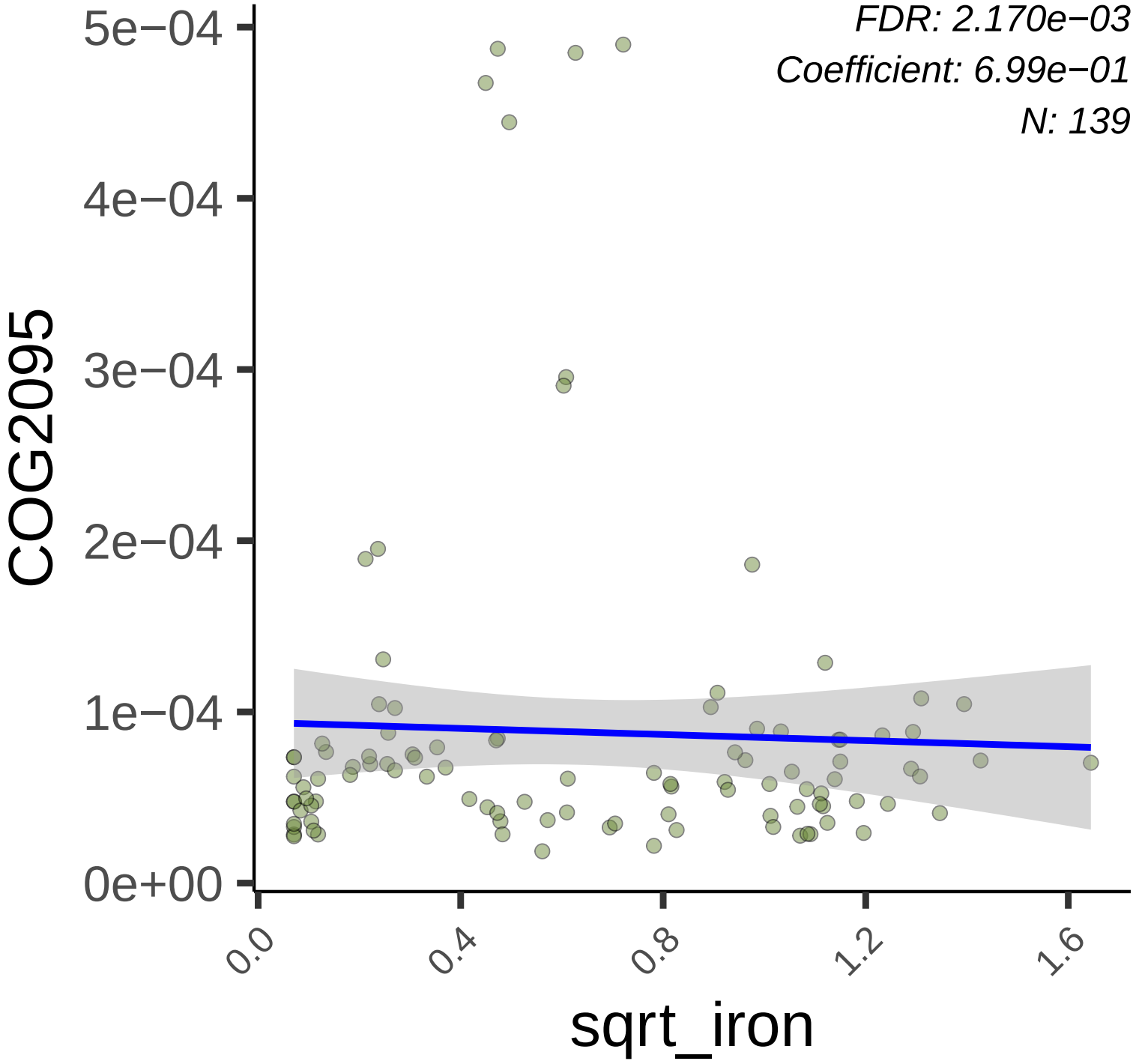
1.6
sqrt_iron


FDR: 2.170e−03
Coefficient: 6.99e−01
N: 139
COG2095
5e−04
4e−04
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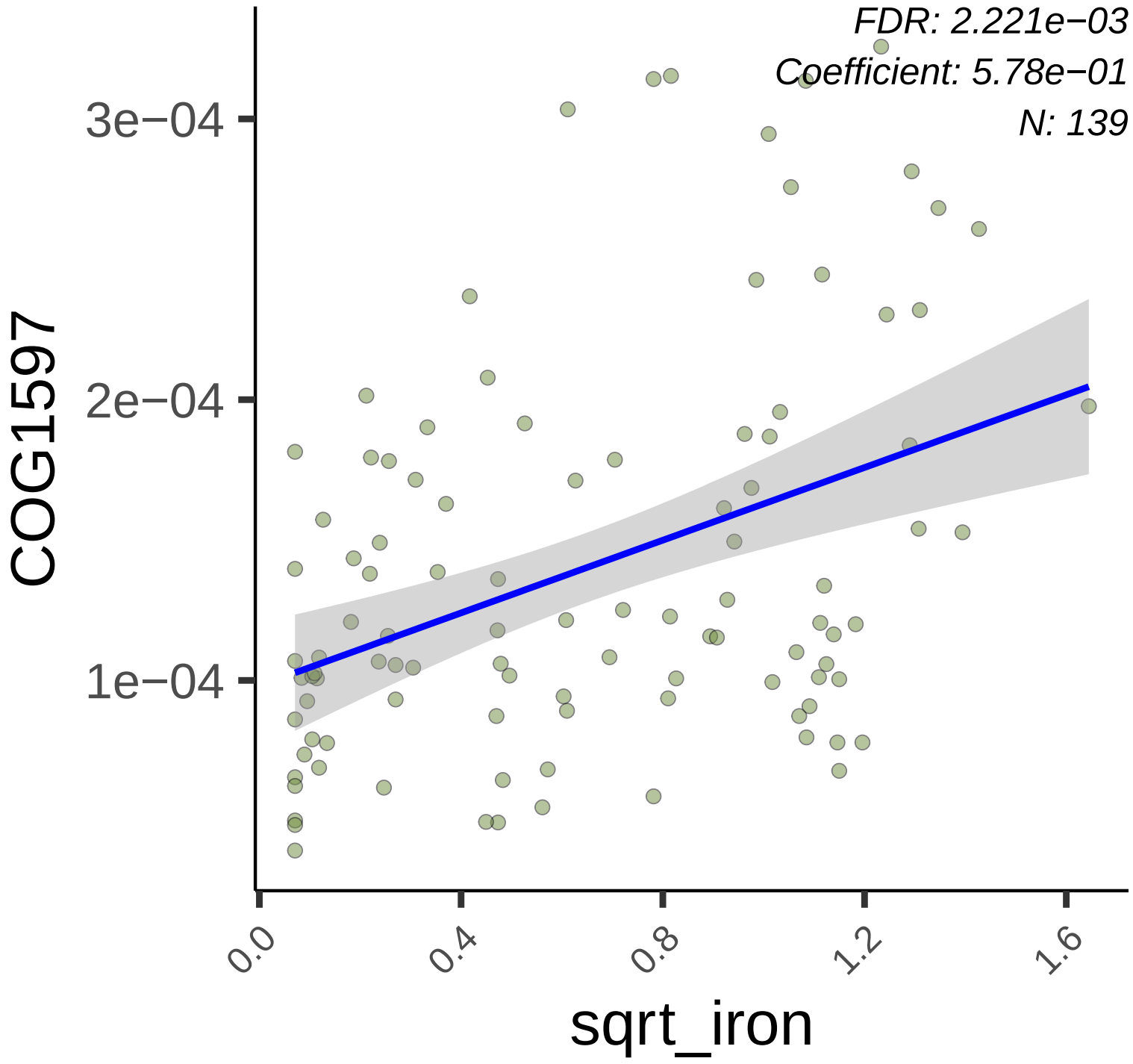
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.221e−03
Coefficient: 5.78e−01
N: 139
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2e−04
1e−04
COG1597
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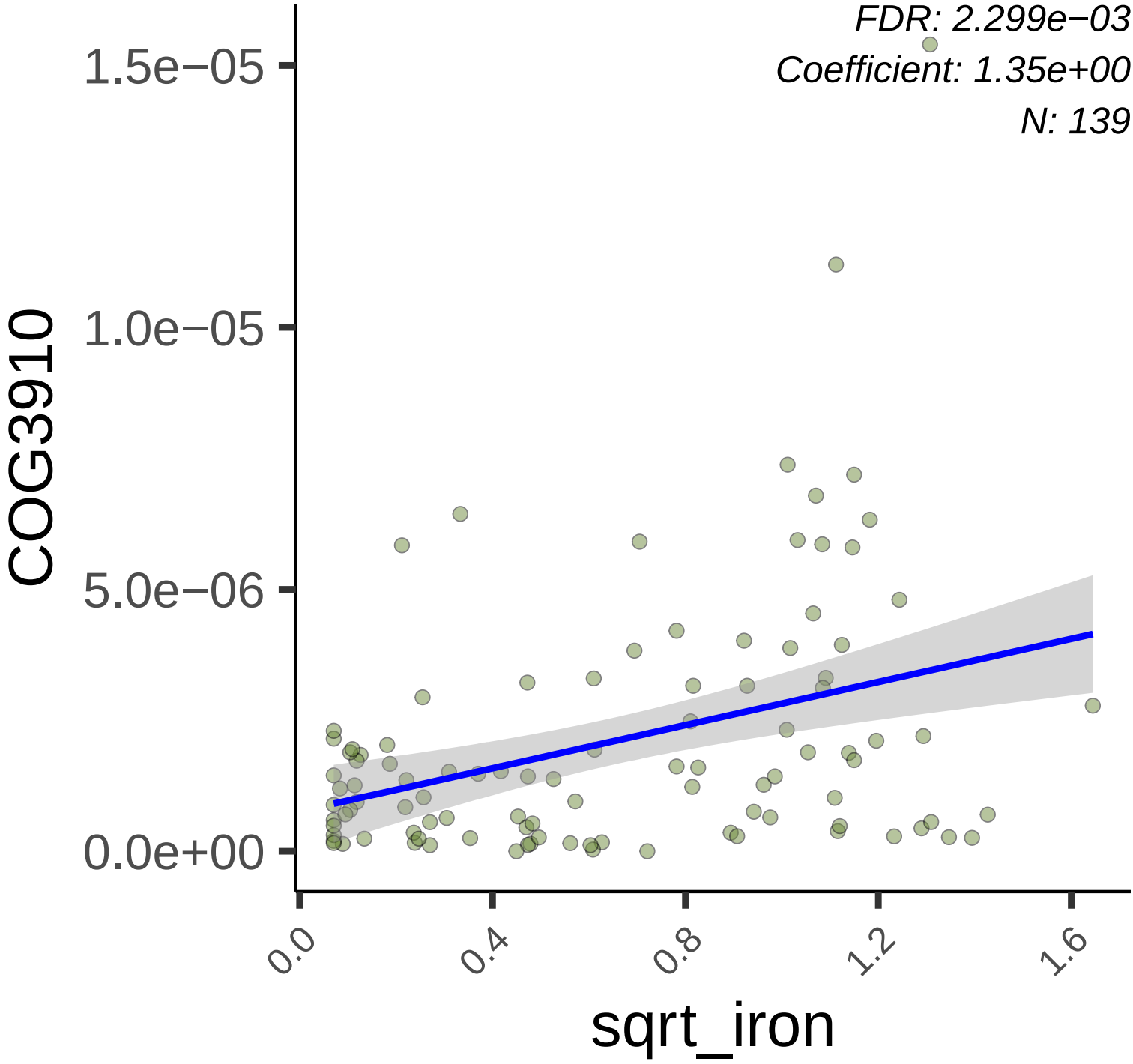
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.299e−03
Coefficient: 1.35e+00
N: 139
1.5e−05
1.0e−05
5.0e−06
0.0e+00
COG3910
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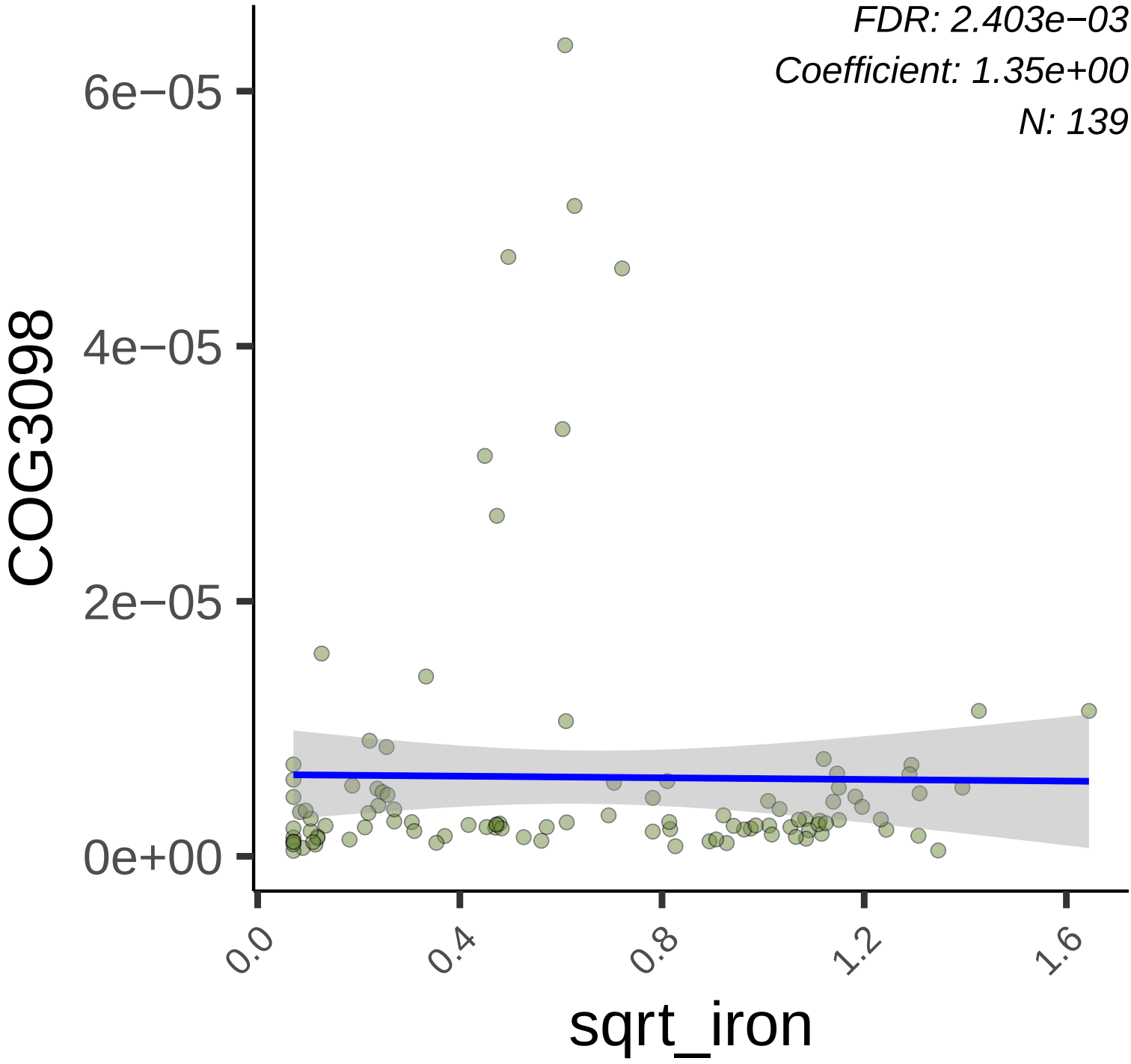
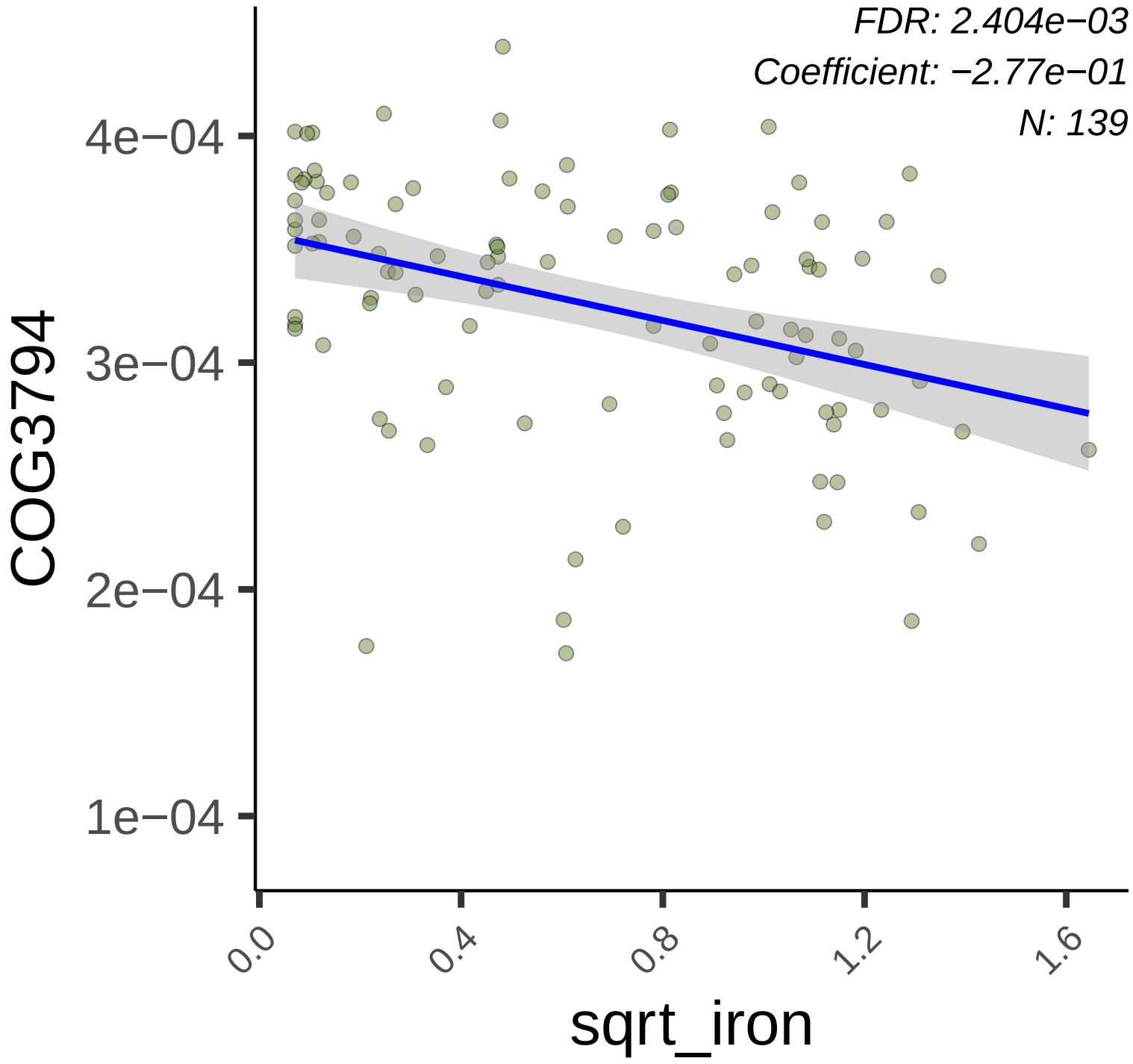
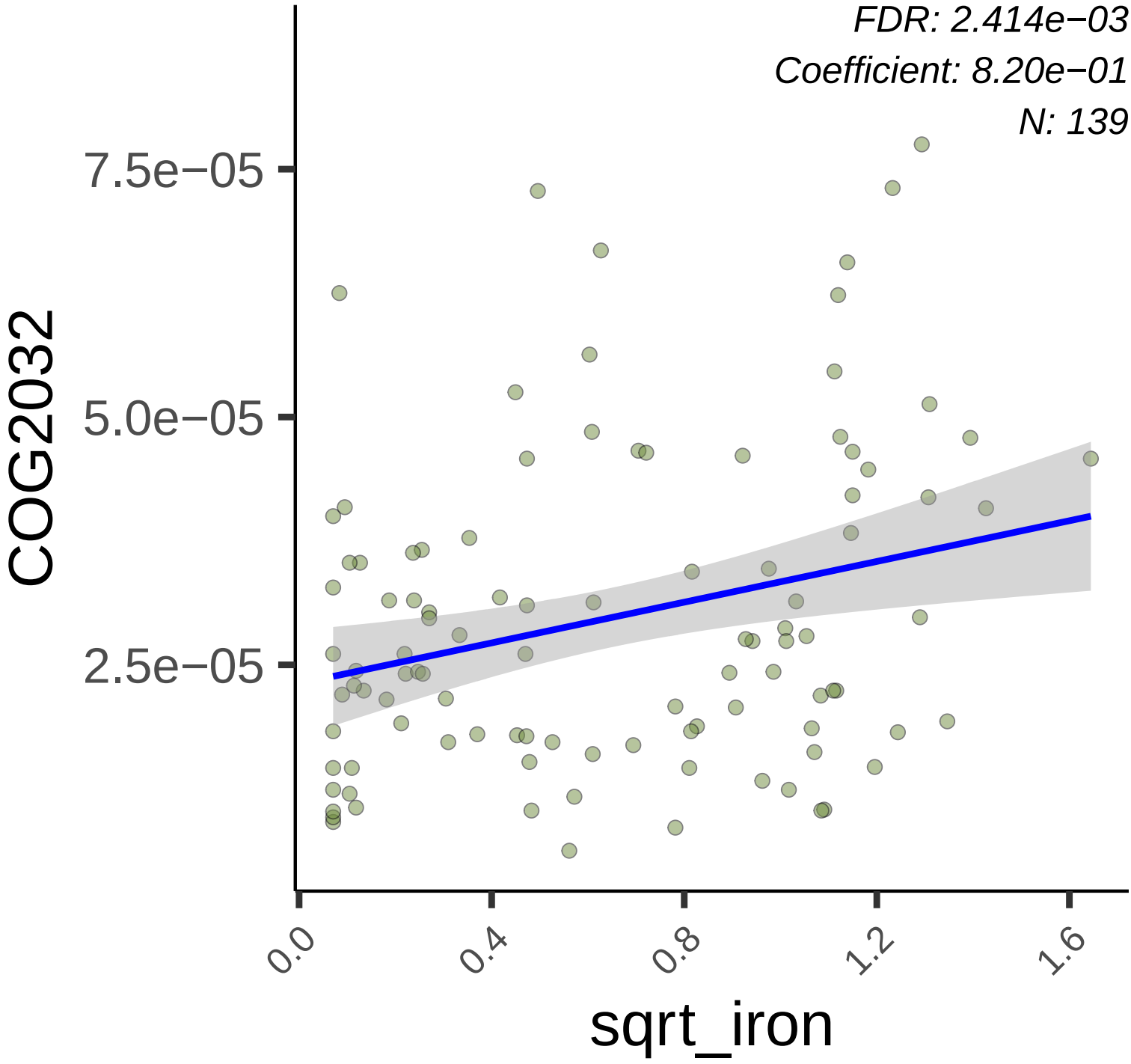
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.403e−03
Coefficient: 1.35e+00
N: 139
COG3098
6e−05
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.404e−03
Coefficient: −2.77e−01
N: 139
COG3794
4e−04
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.414e−03
Coefficient: 8.20e−01
N: 139
7.5e−05
5.0e−05
2.5e−05
COG2032
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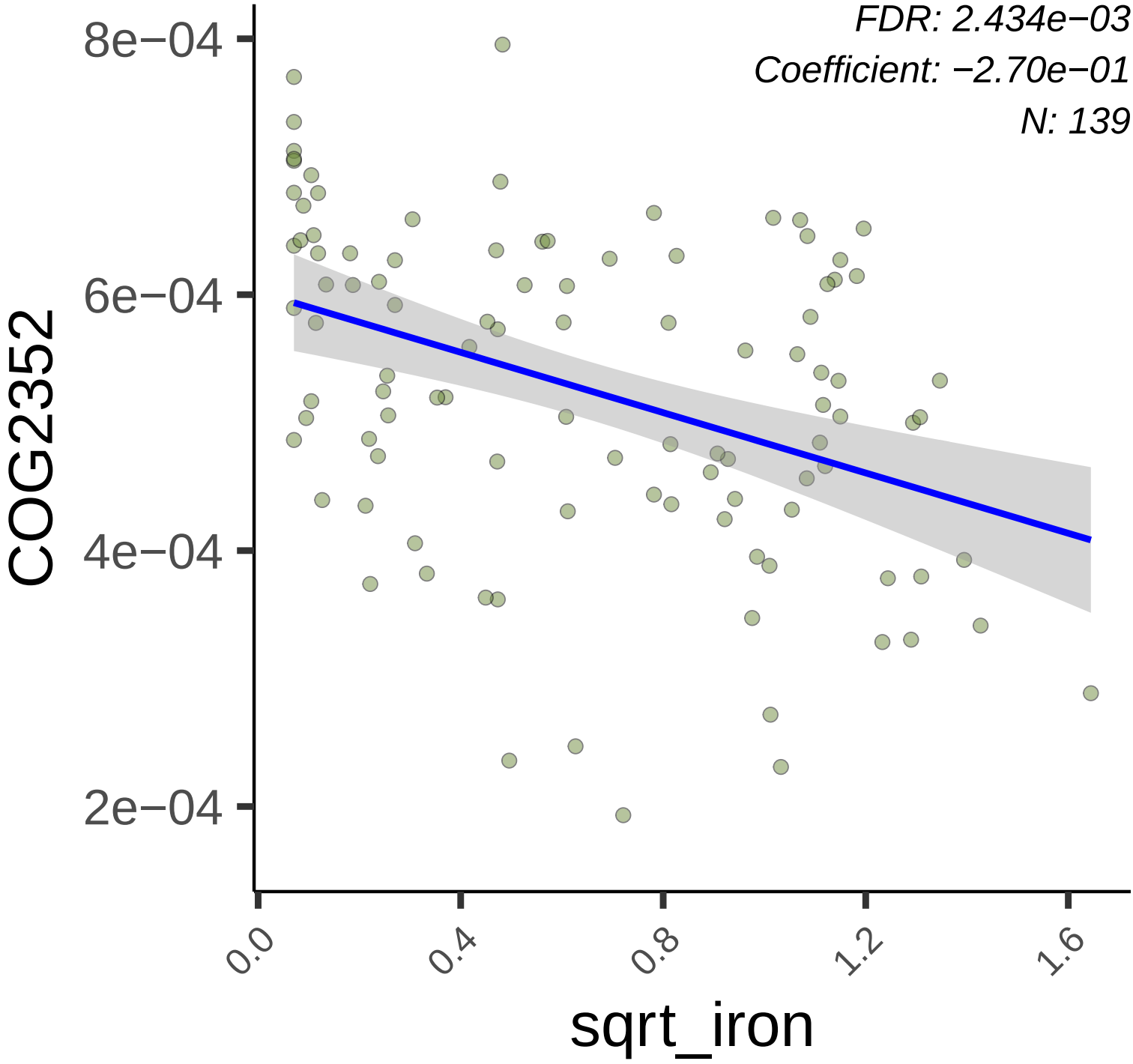
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.434e−03
Coefficient: −2.70e−01
N: 139
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6e−04
4e−04
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COG2352
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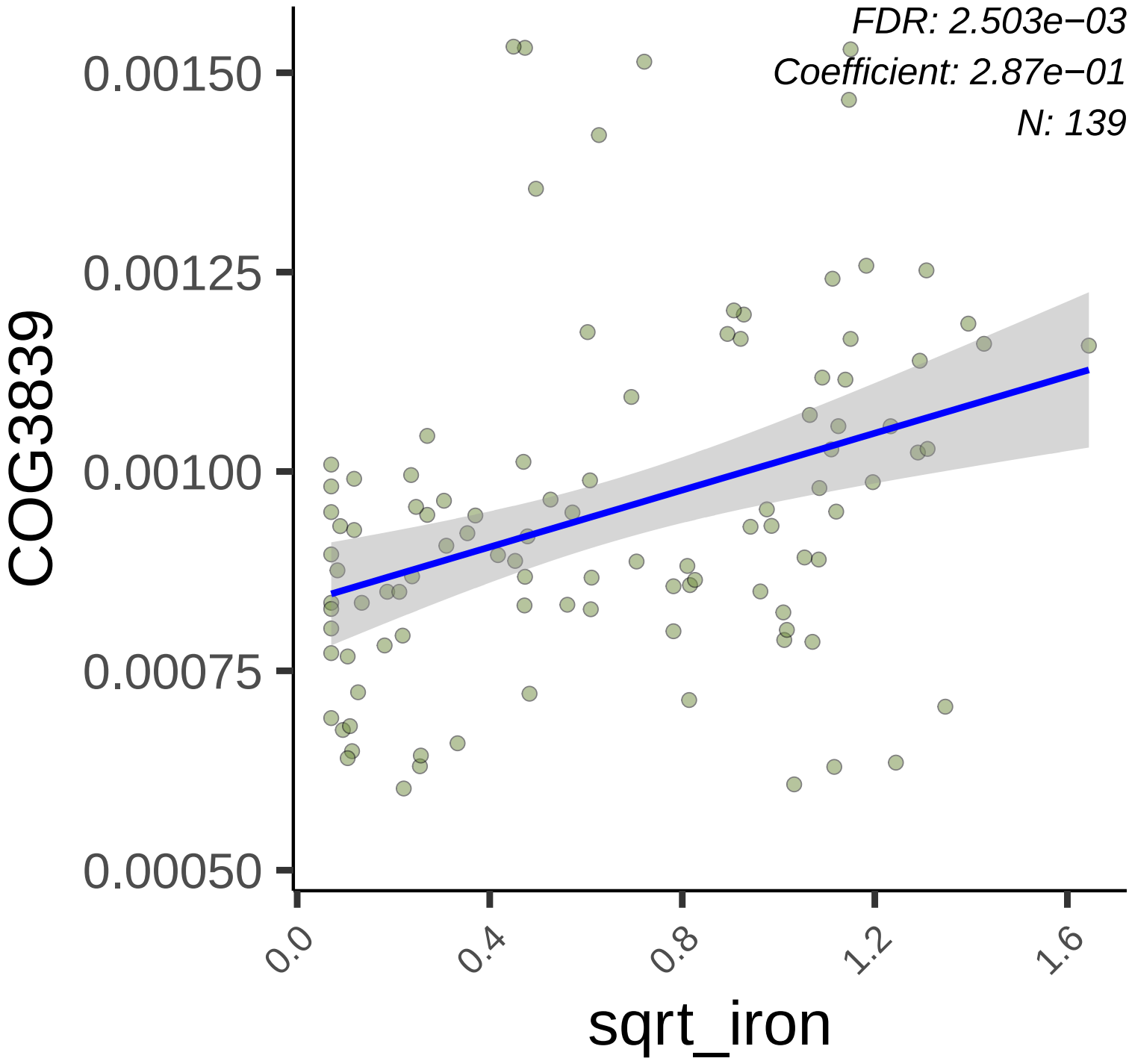
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.503e−03
Coefficient: 2.87e−01
N: 139
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0.00100
0.00075
0.00050
COG3839
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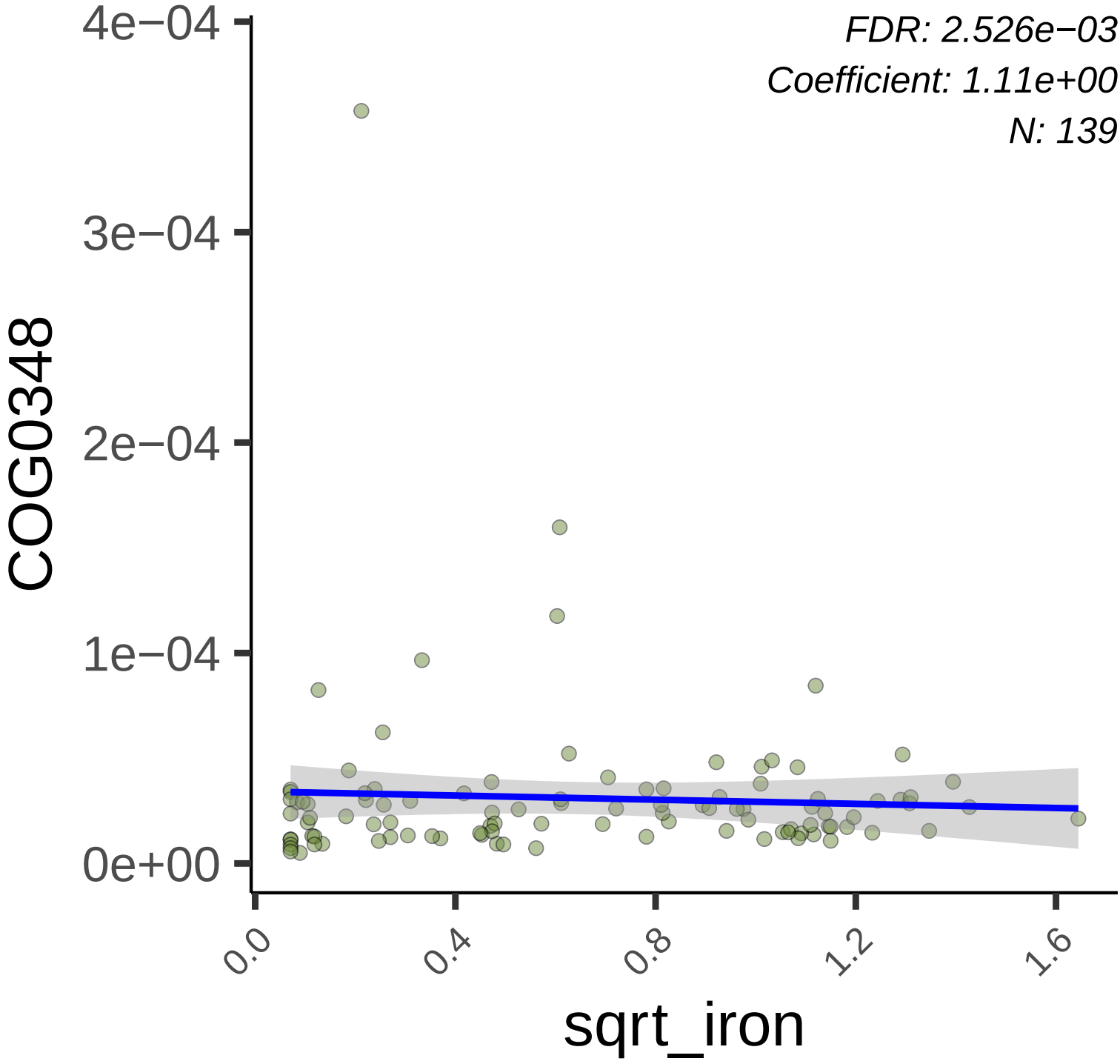
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.526e−03
Coefficient: 1.11e+00
N: 139
COG0348
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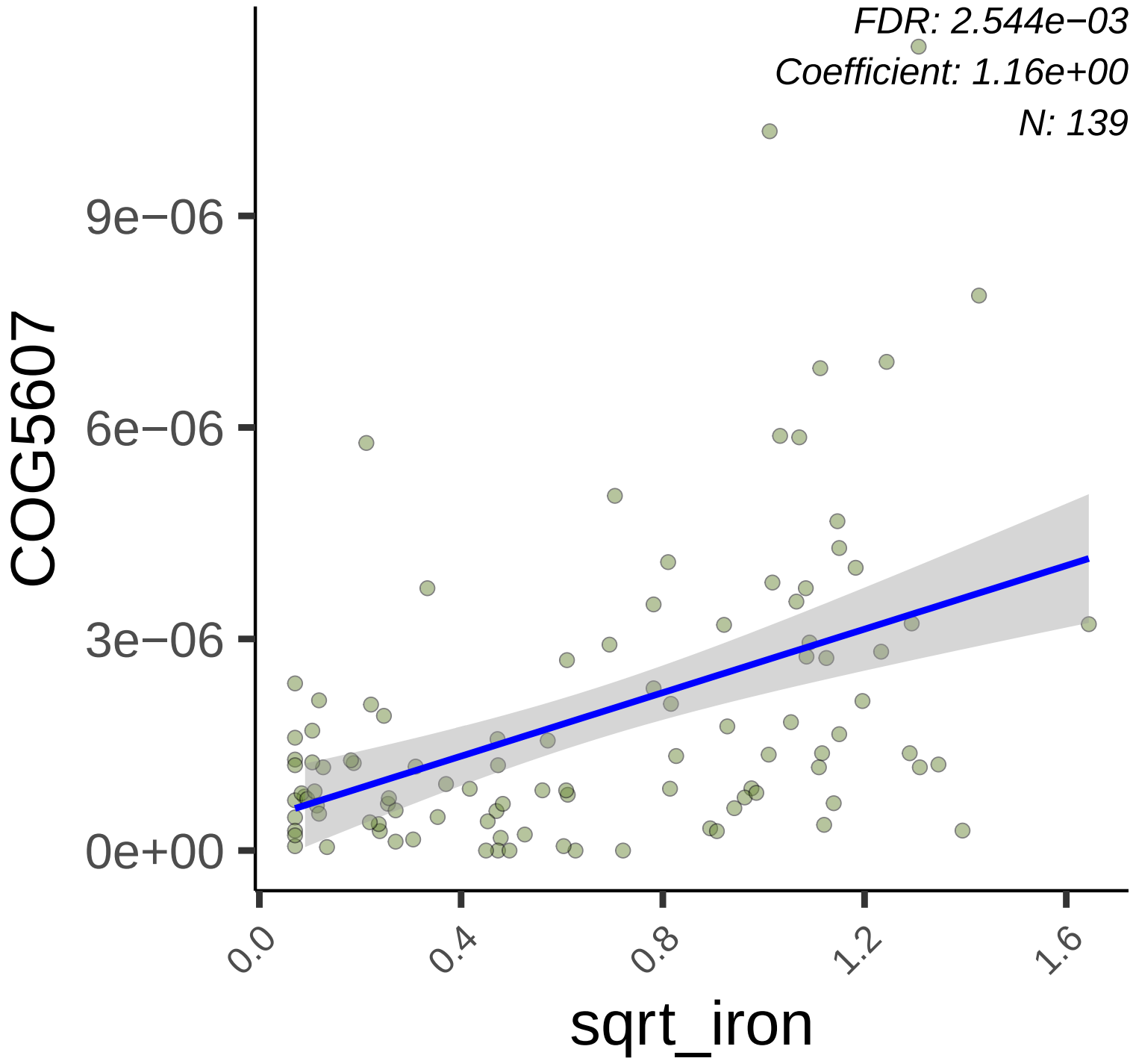
3e−04
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.544e−03
Coefficient: 1.16e+00
N: 139
COG5607
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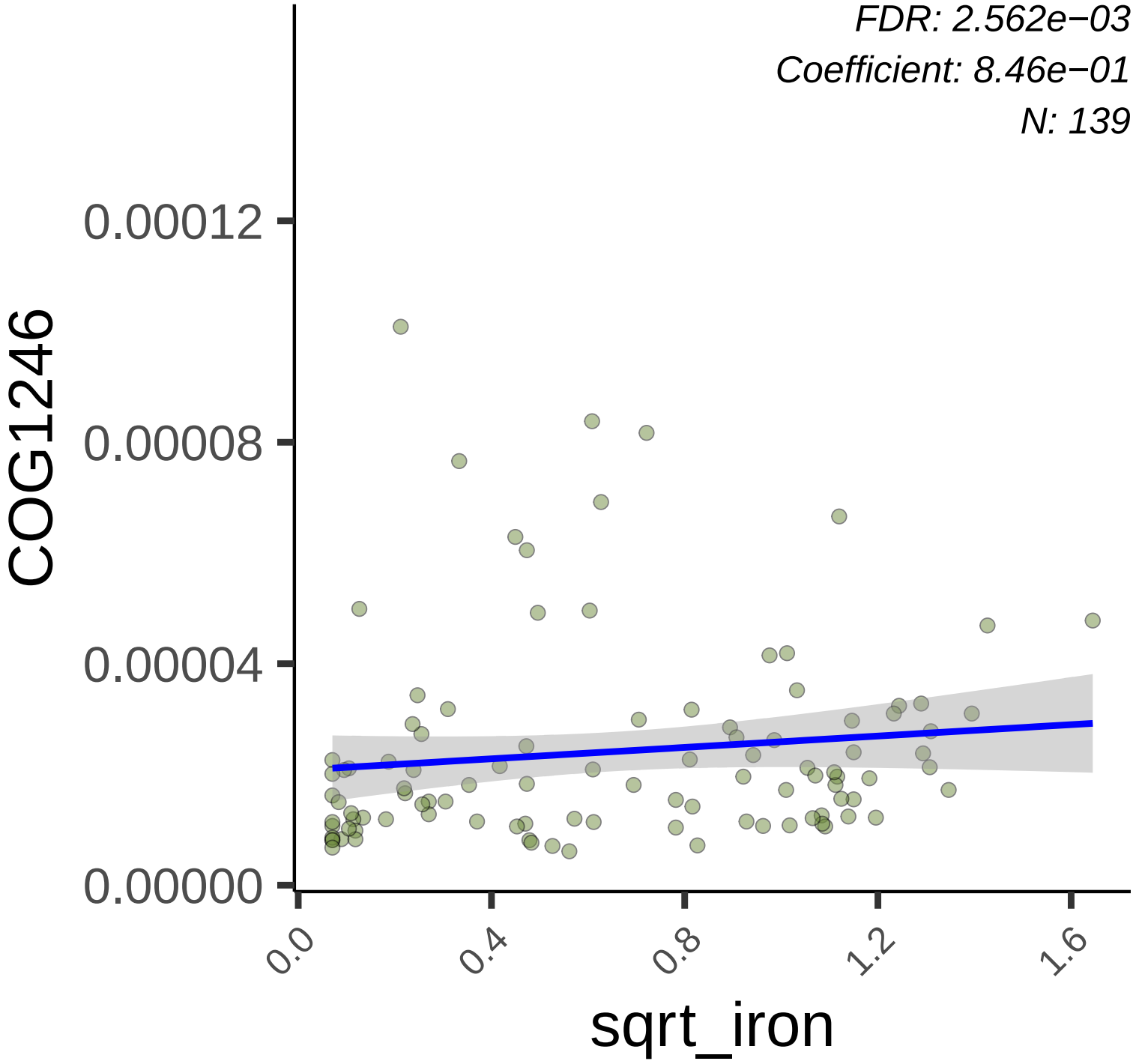
6e−06
3e−06
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.562e−03
Coefficient: 8.46e−01
N: 139
COG1246
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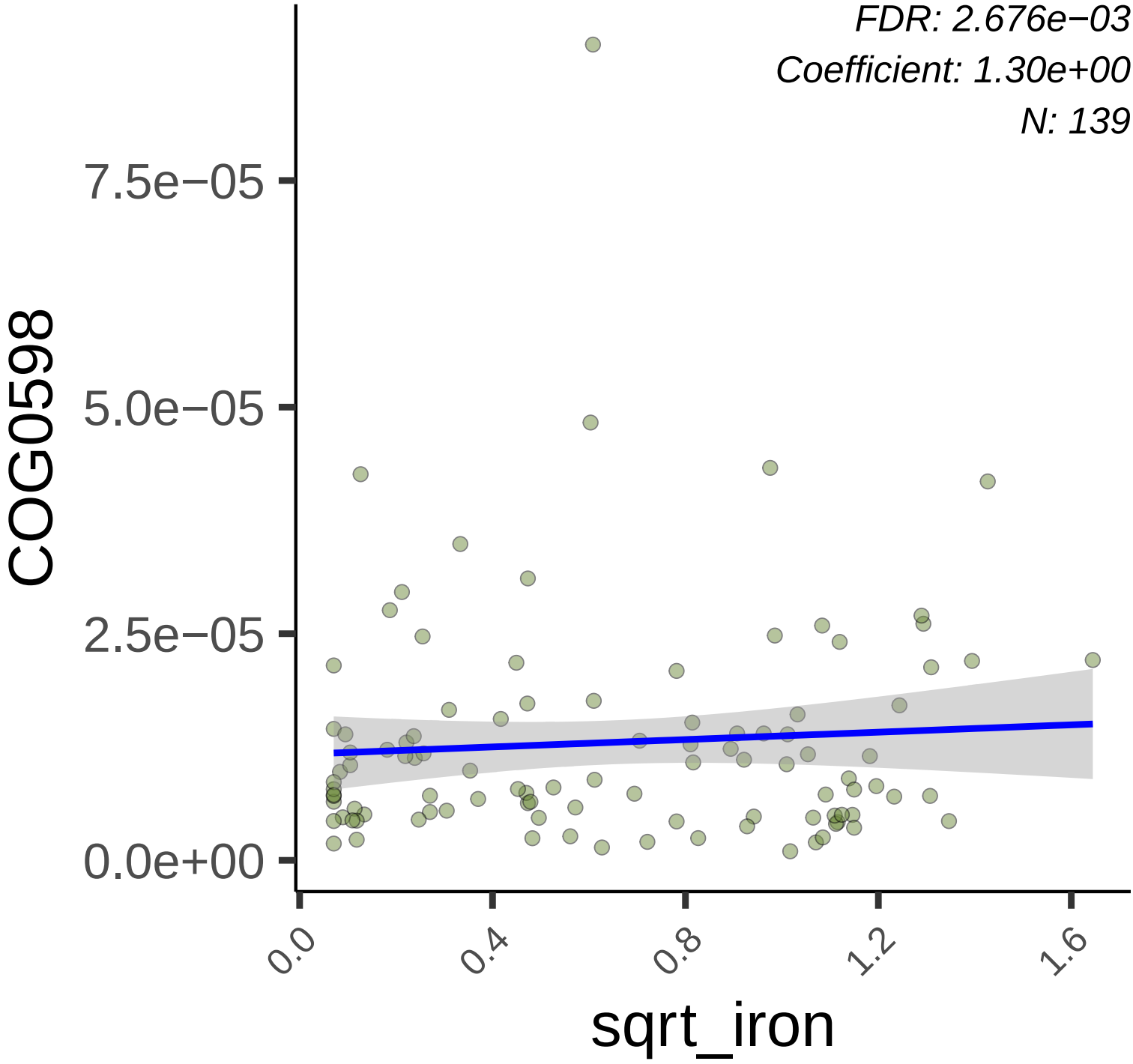
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.676e−03
Coefficient: 1.30e+00
N: 139
COG0598
7.5e−05
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2.5e−05
0.0e+00
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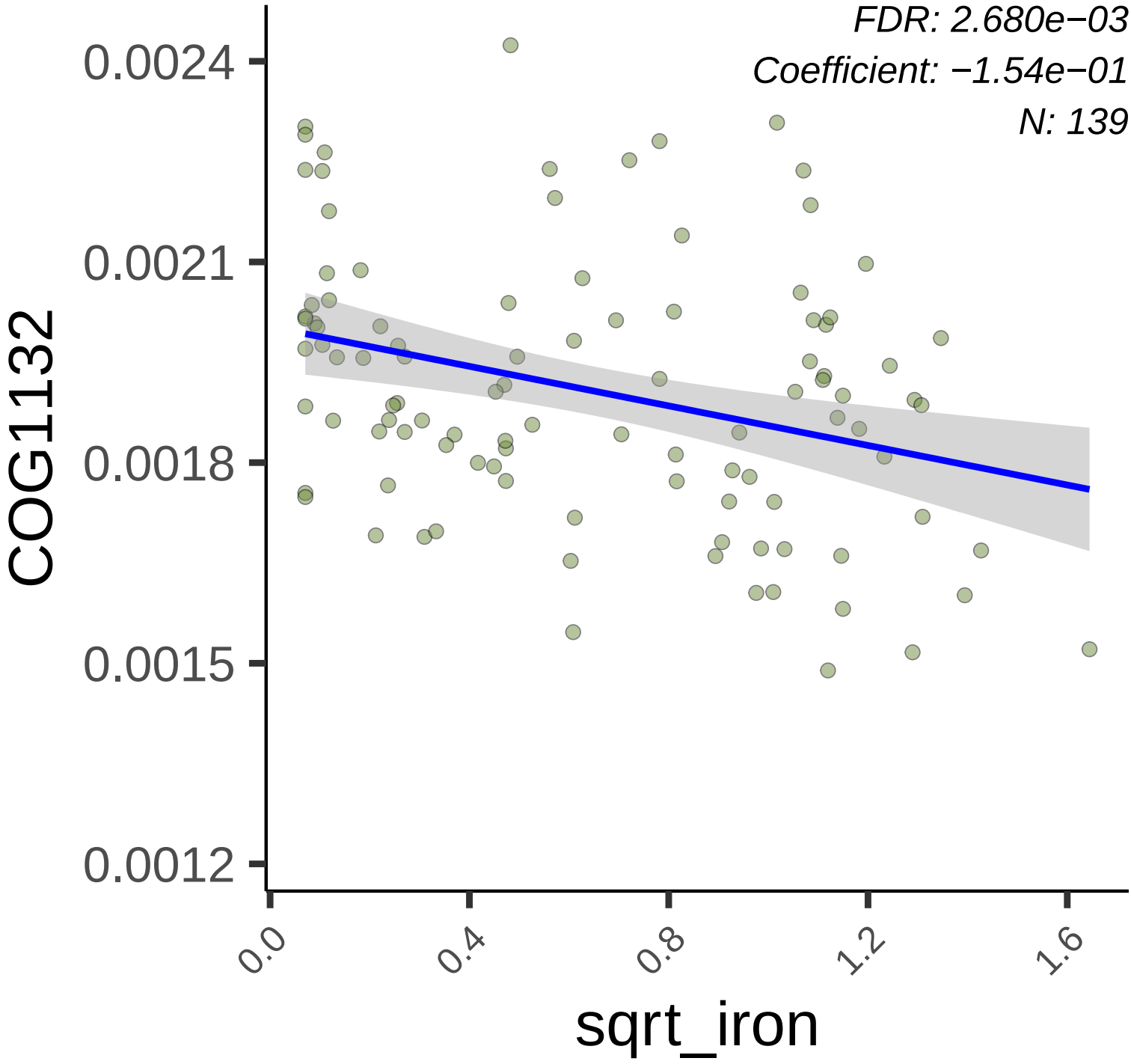
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.680e−03
Coefficient: −1.54e−01
N: 139
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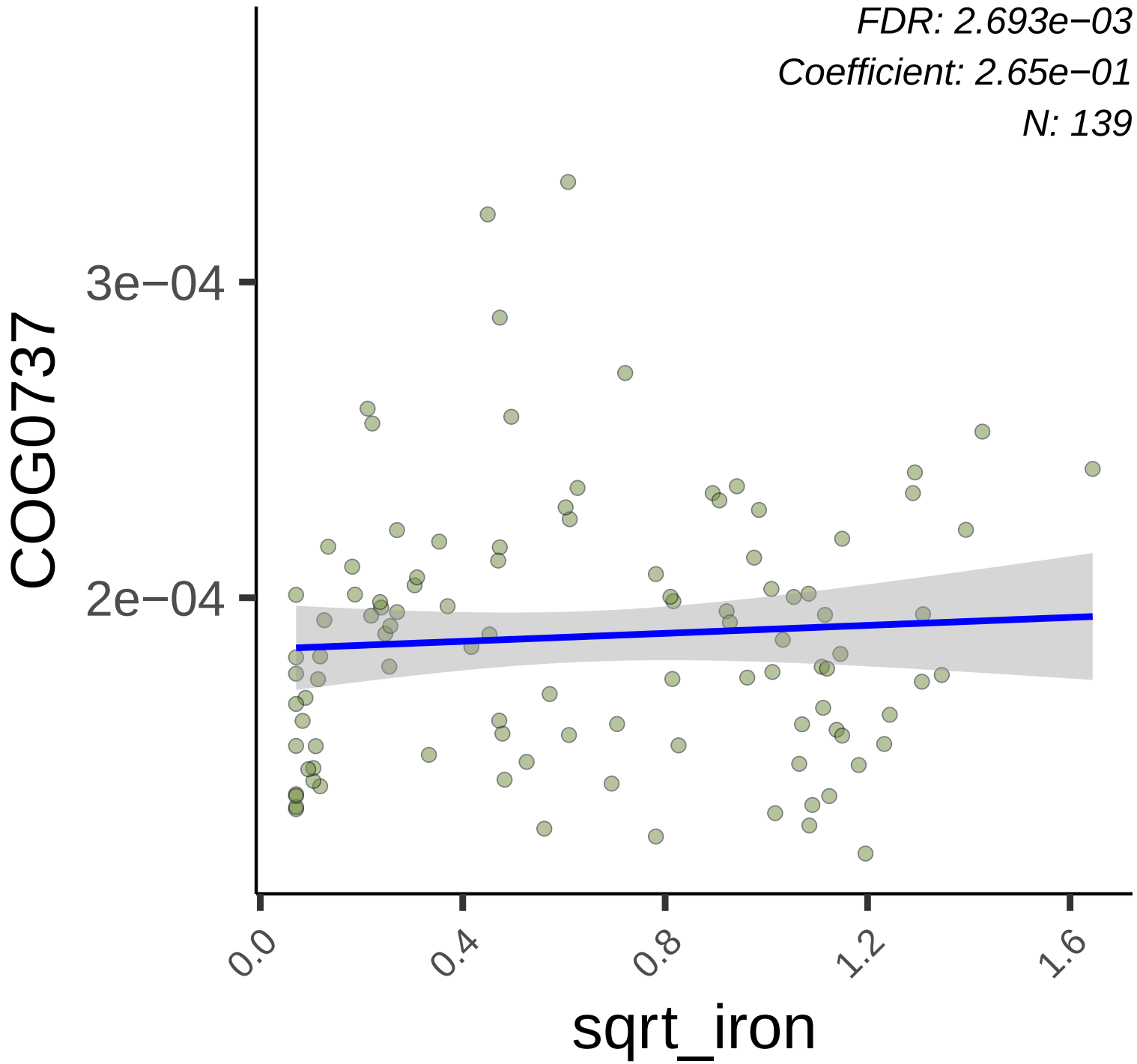
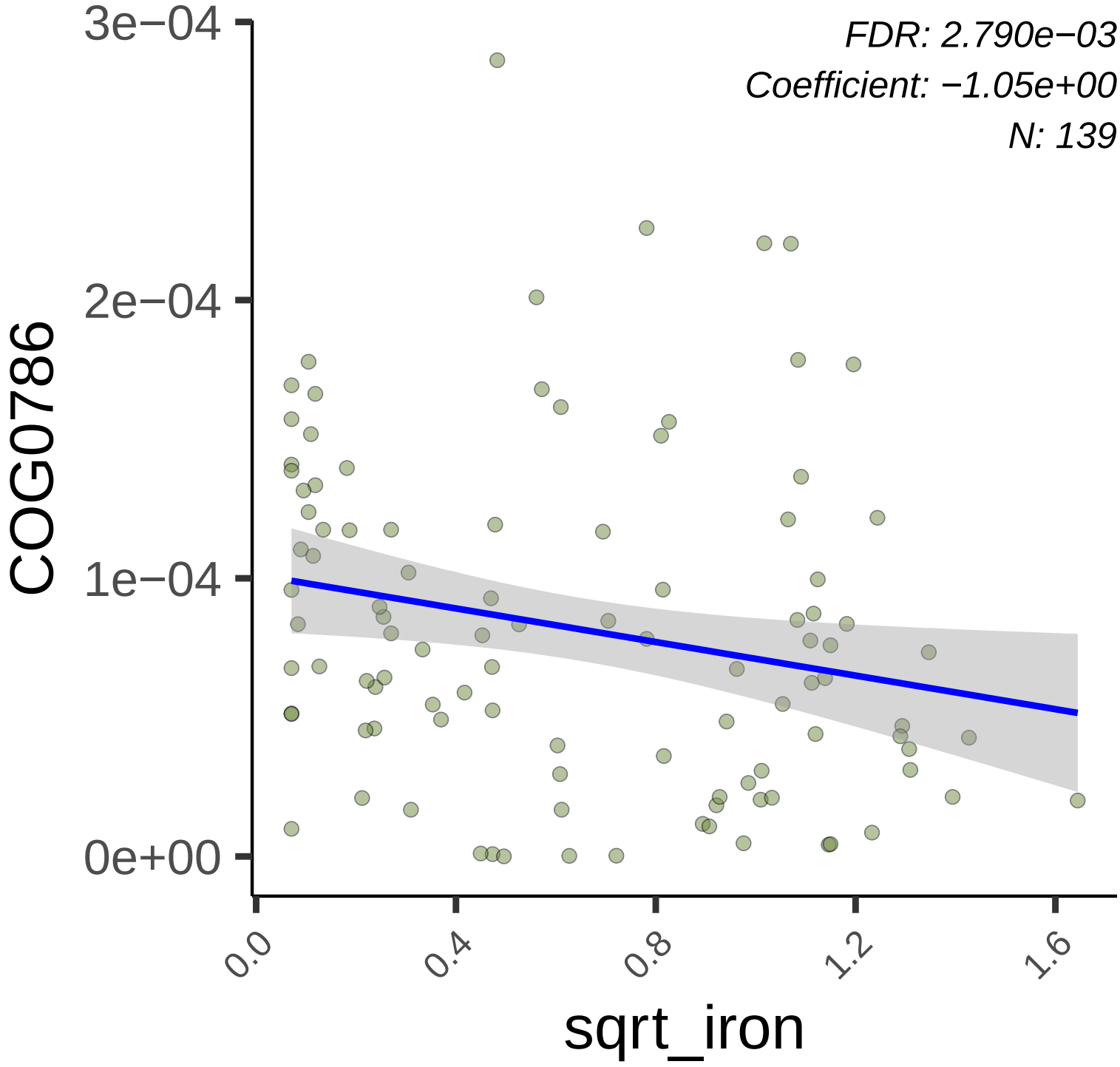
0.0021
0.0018
0.0015
0.0012
COG1132
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.693e−03
Coefficient: 2.65e−01
N: 139
COG0737
3e−04
2e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.790e−03
Coefficient: −1.05e+00
N: 139
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2e−04
1e−04
0e+00
COG0786
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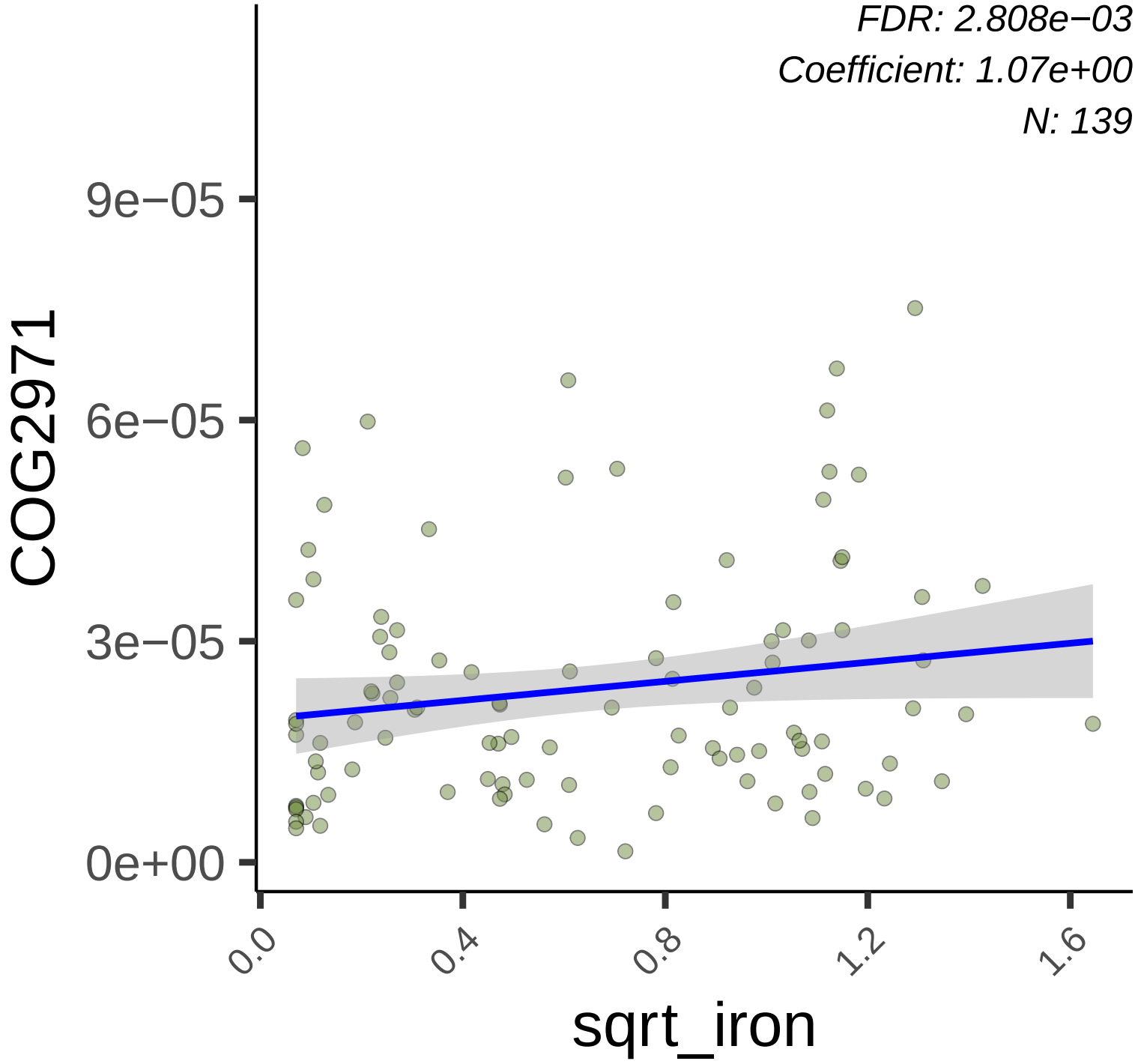
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.808e−03
Coefficient: 1.07e+00
N: 139
COG2971
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0e+00
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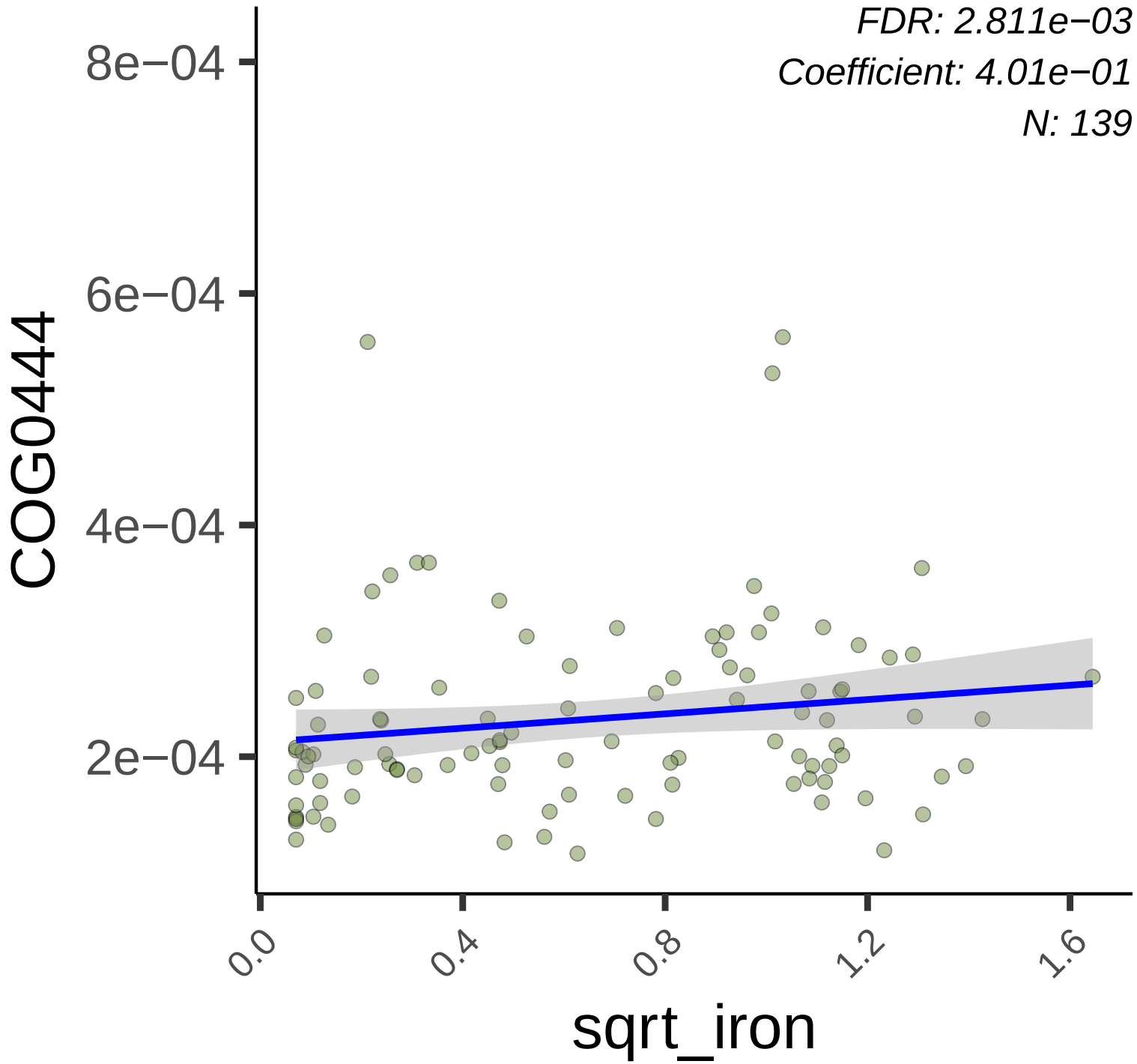
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.811e−03
Coefficient: 4.01e−01
N: 139
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4e−04
2e−04
COG0444
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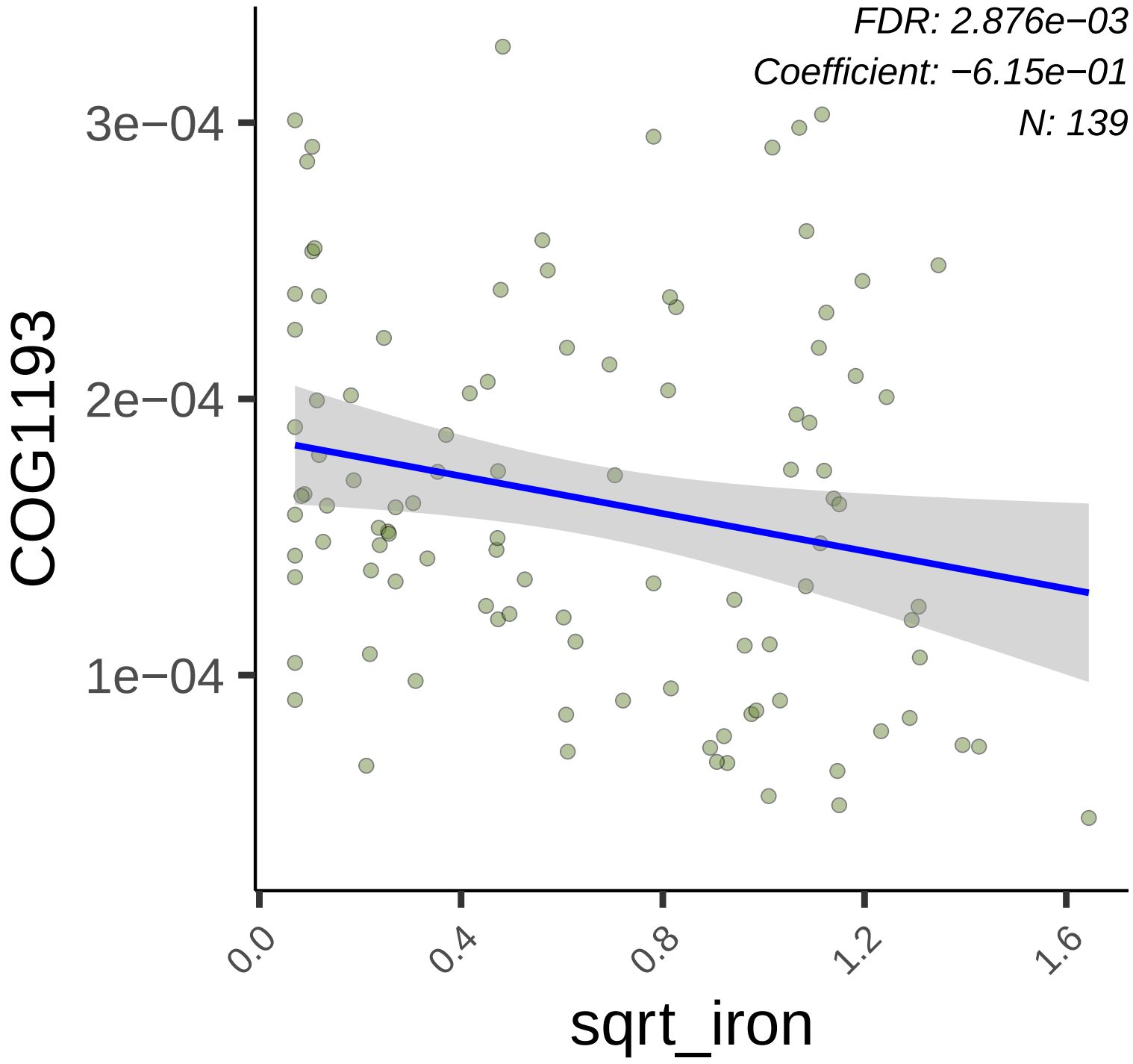
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.876e−03
Coefficient: −6.15e−01
N: 139
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2e−04
1e−04
COG1193
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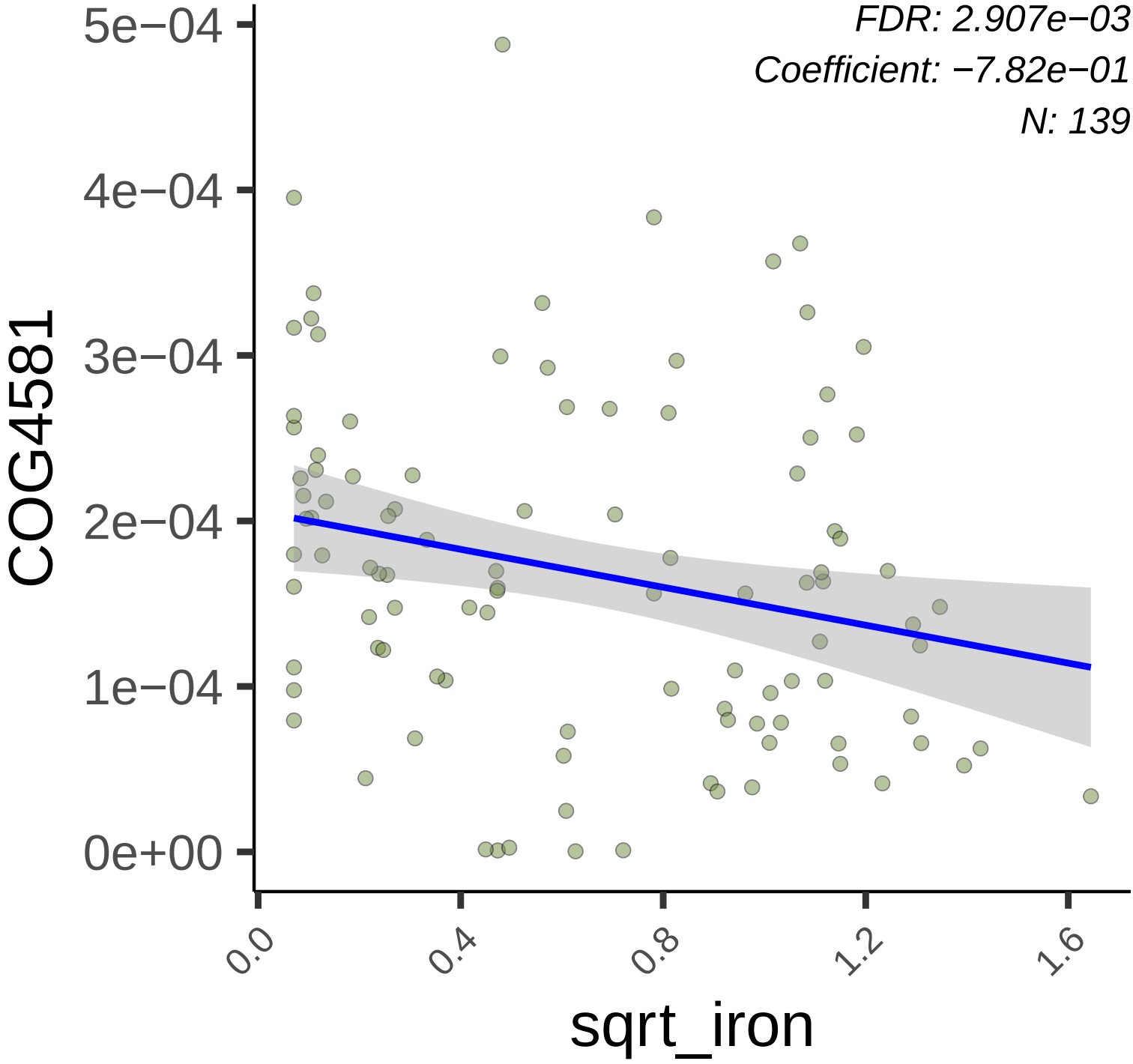
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.907e−03
Coefficient: −7.82e−01
N: 139
COG4581
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2e−04
1e−04
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0.4
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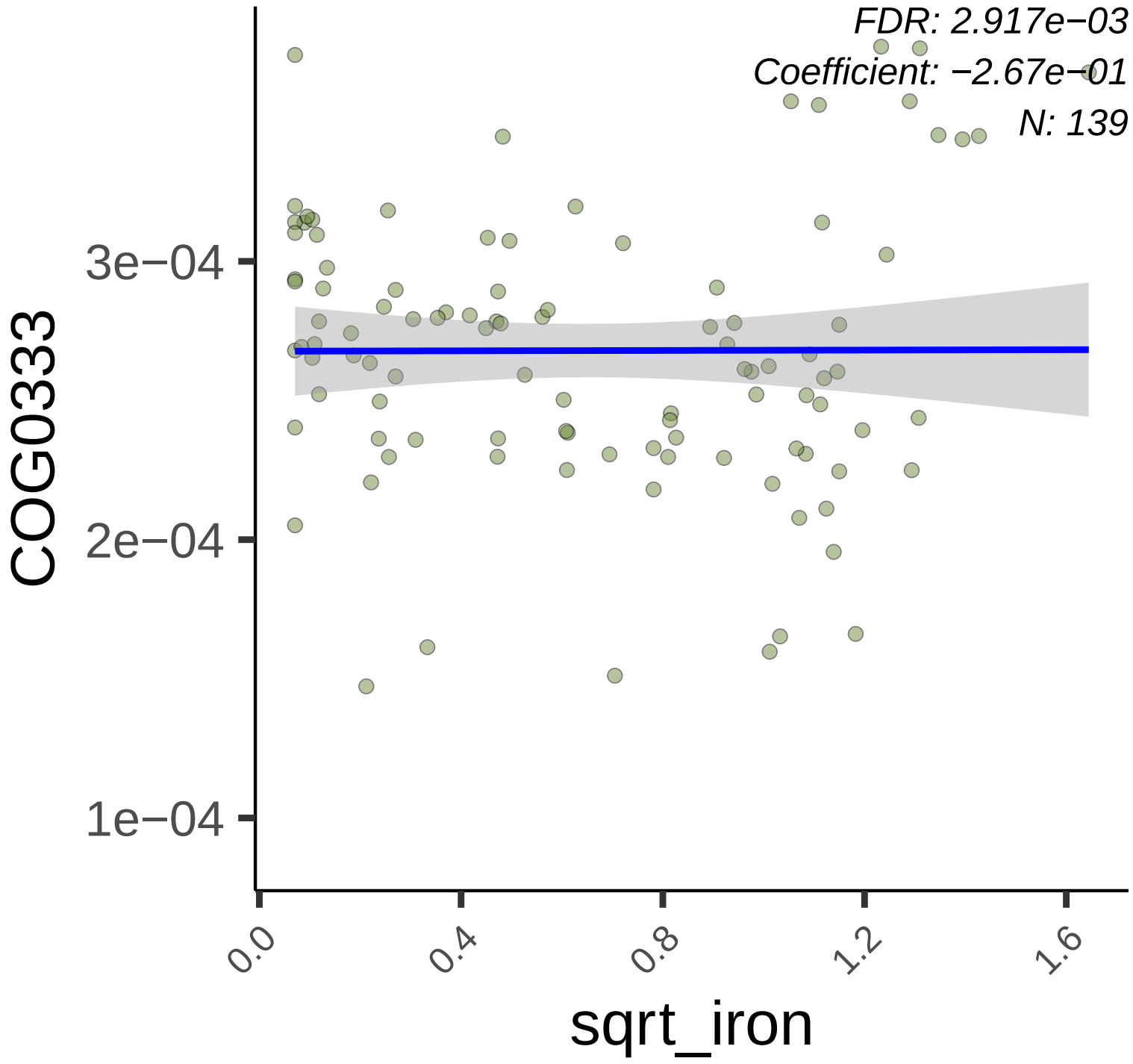
1.2
1.6
sqrt_iron


FDR: 2.917e−03
Coefficient: −2.67e−01
N: 139
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2e−04
1e−04
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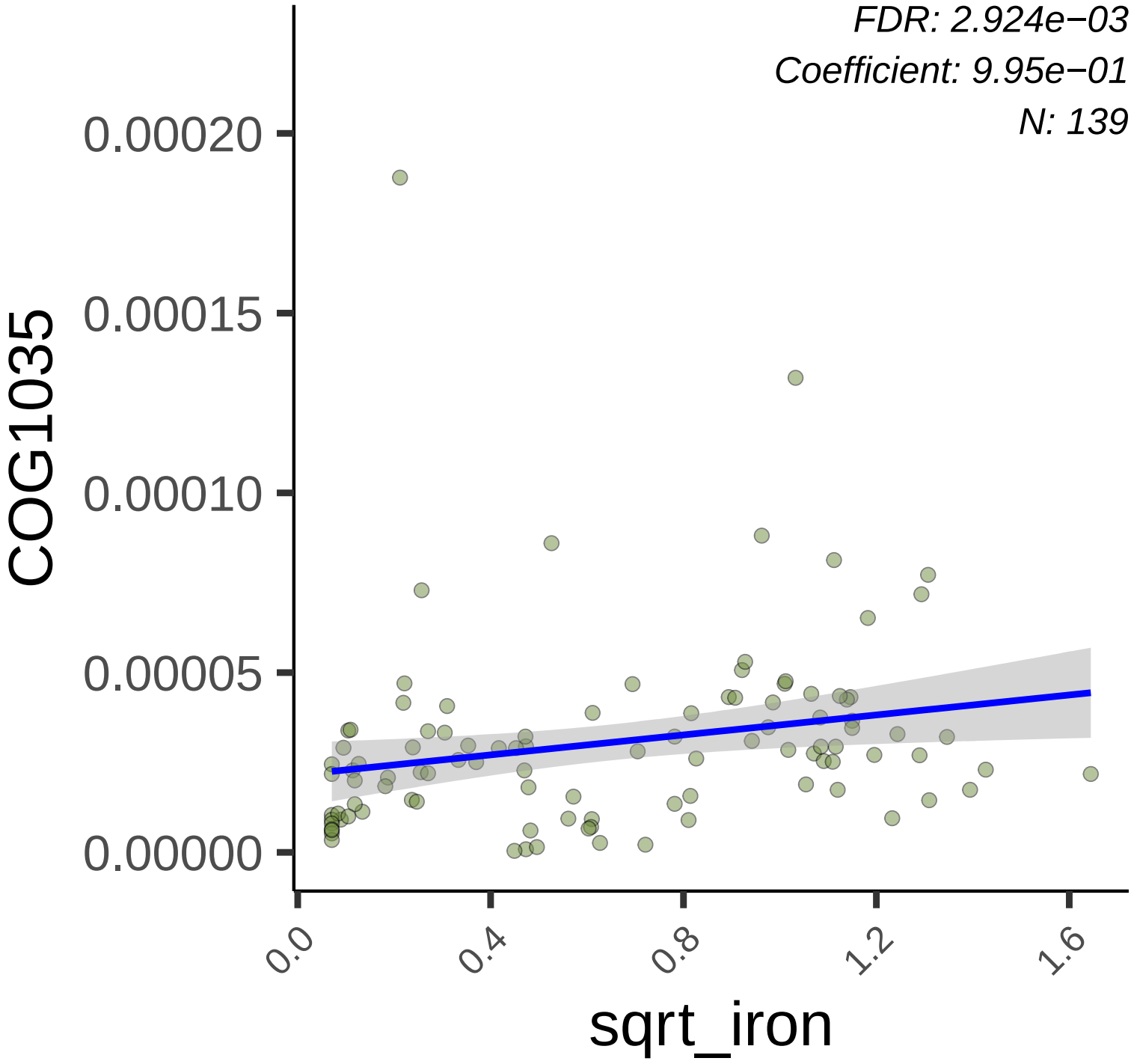
1.2
1.6
sqrt_iron


FDR: 2.924e−03
Coefficient: 9.95e−01
N: 139
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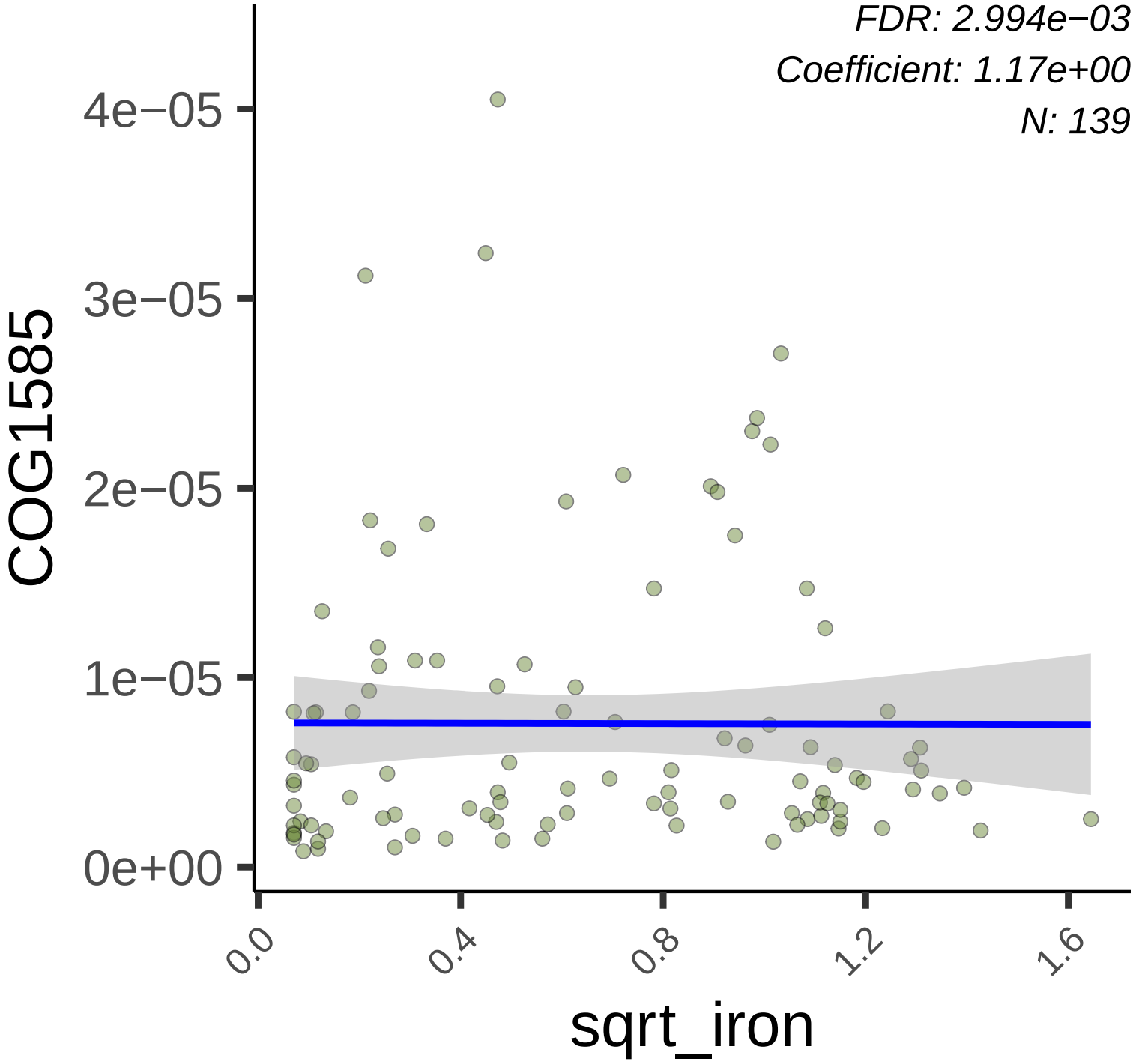
1.2
1.6
sqrt_iron


FDR: 2.994e−03
Coefficient: 1.17e+00
N: 139
COG1585
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2e−05
1e−05
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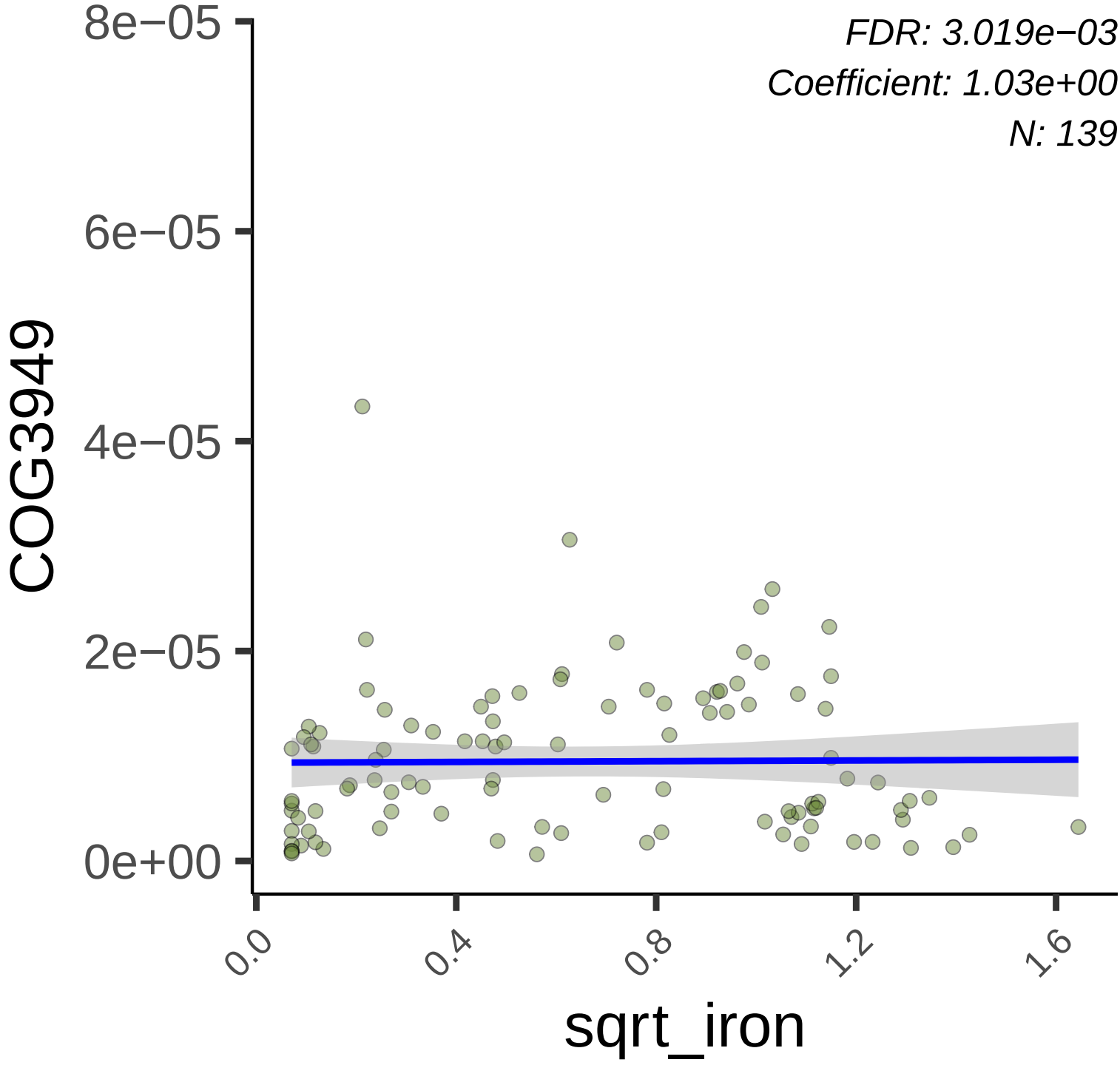
0.8
1.2
1.6
sqrt_iron


FDR: 3.019e−03
Coefficient: 1.03e+00
N: 139
COG3949
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4e−05
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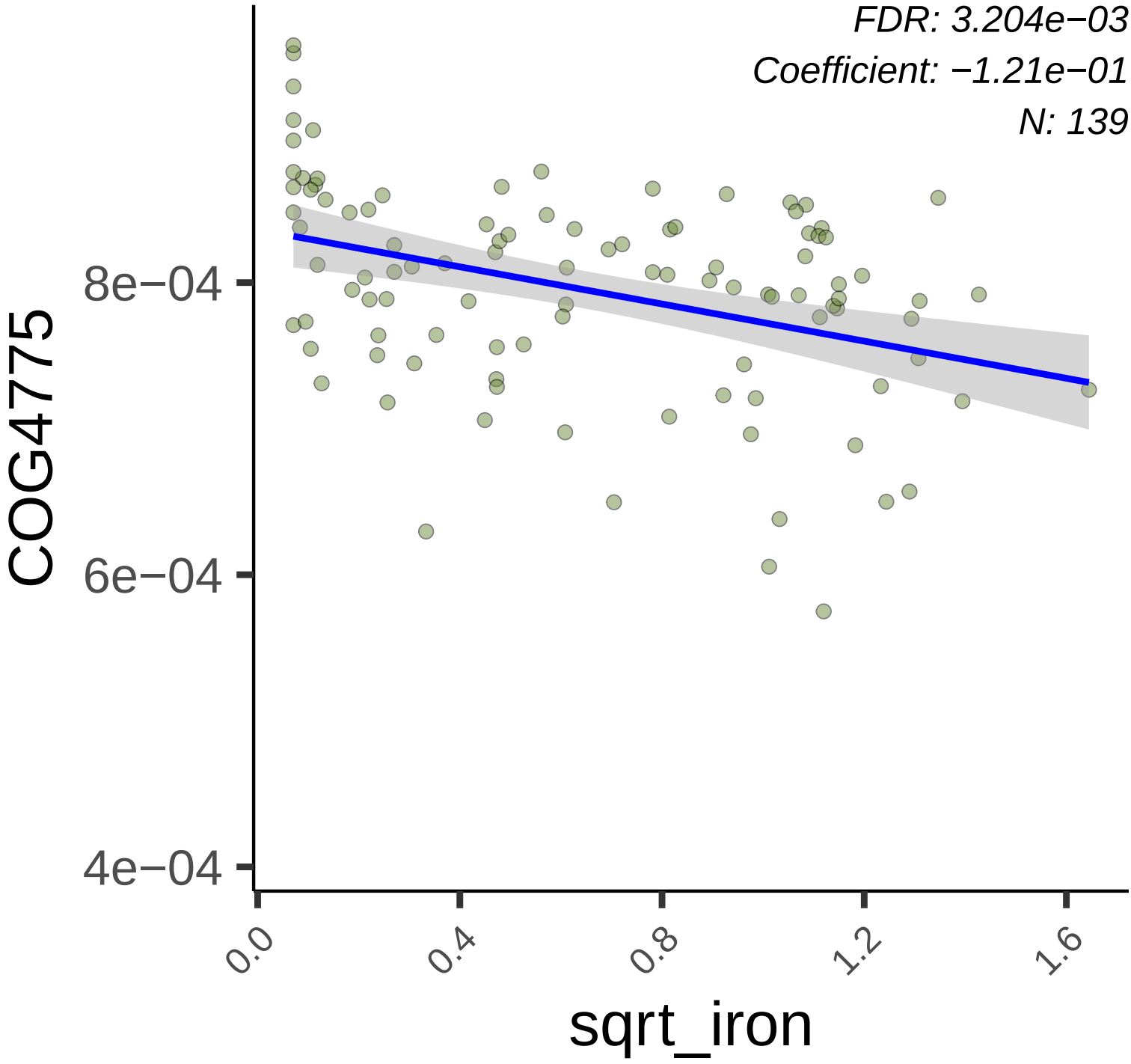
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.204e−03
Coefficient: −1.21e−01
N: 139
COG4775
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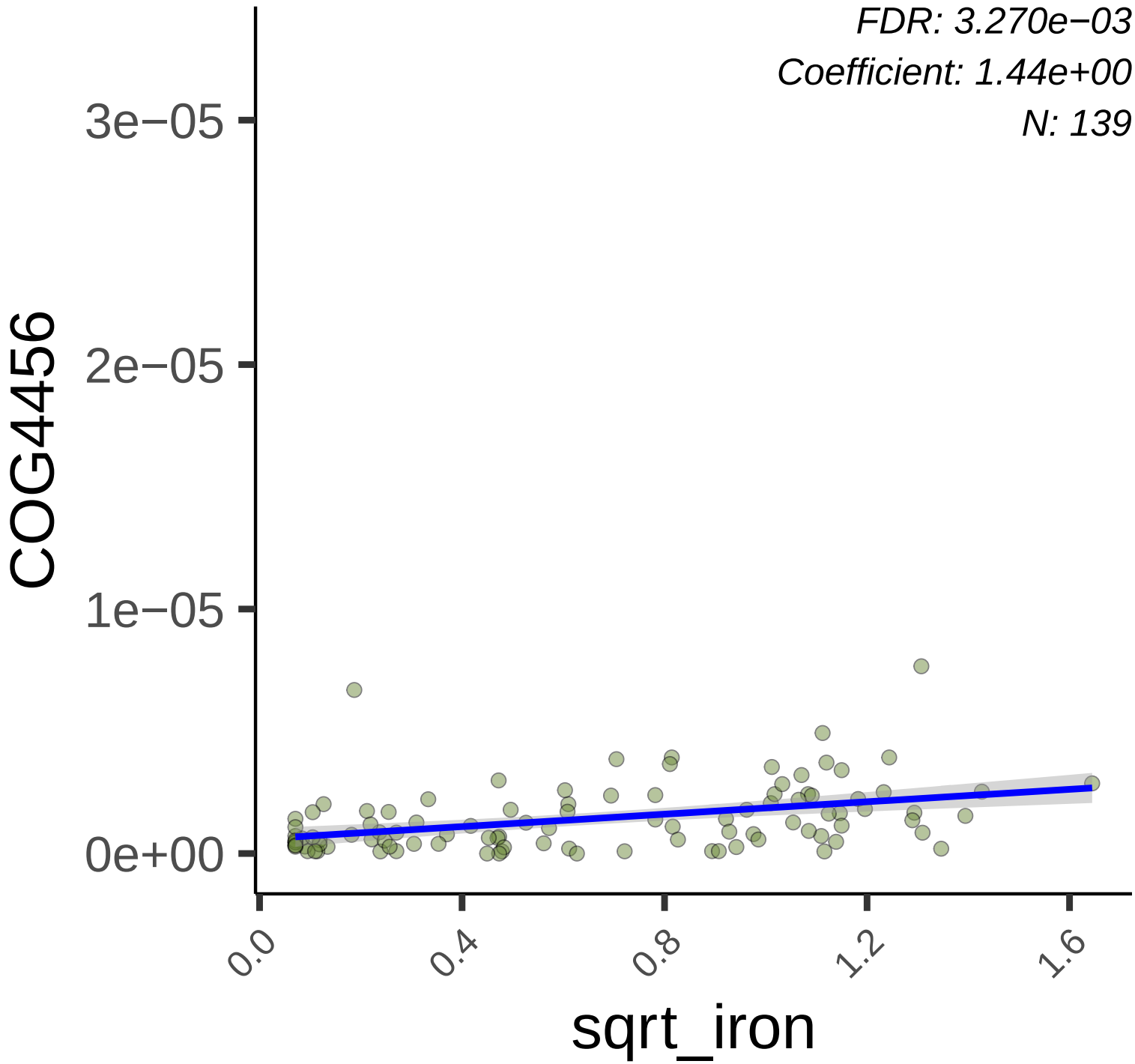
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.270e−03
Coefficient: 1.44e+00
N: 139
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2e−05
1e−05
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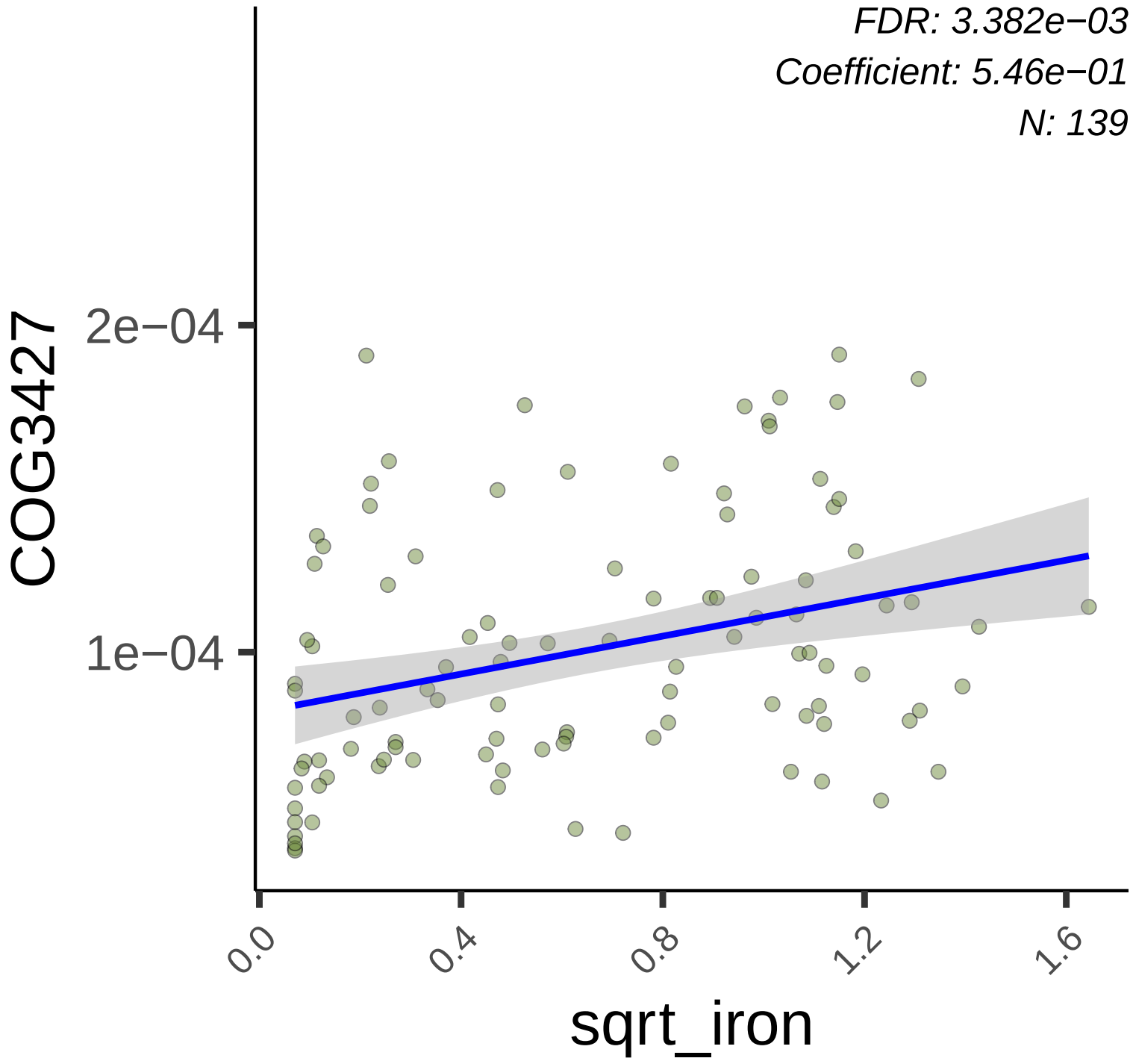
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.382e−03
Coefficient: 5.46e−01
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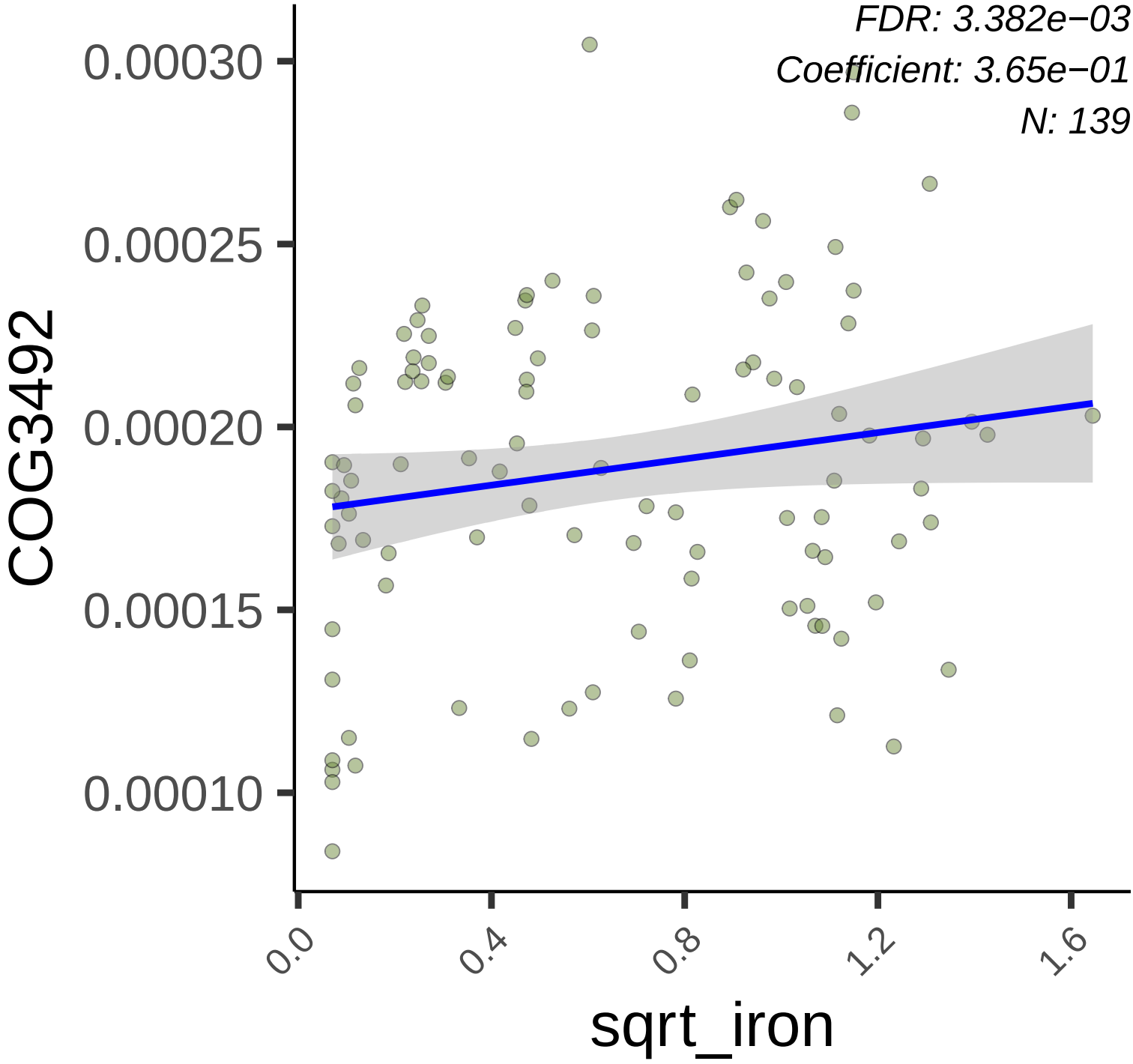
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.382e−03
Coefficient: 3.65e−01
N: 139
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0.00015
0.00010
COG3492
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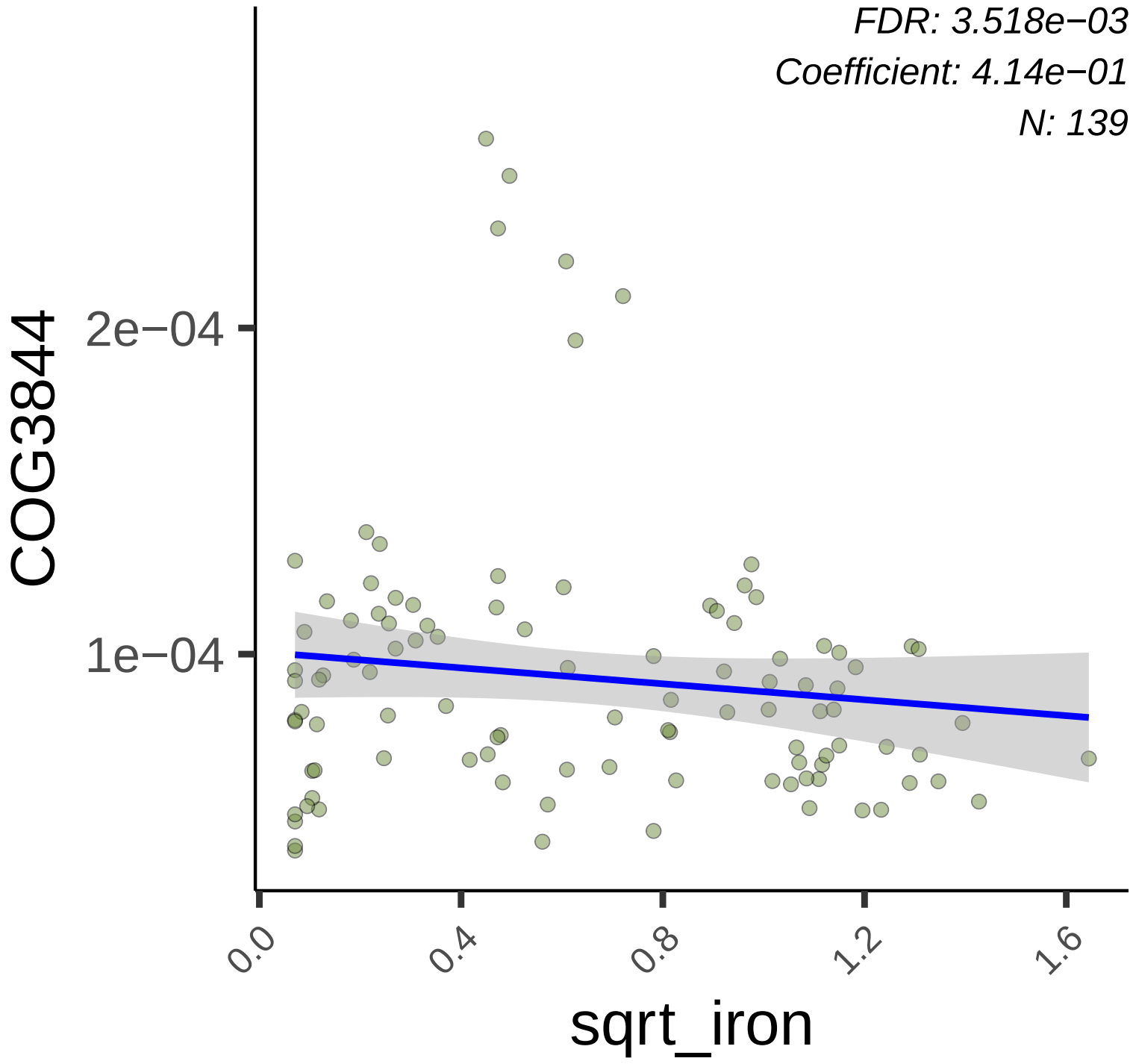
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.518e−03
Coefficient: 4.14e−01
N: 139
COG3844
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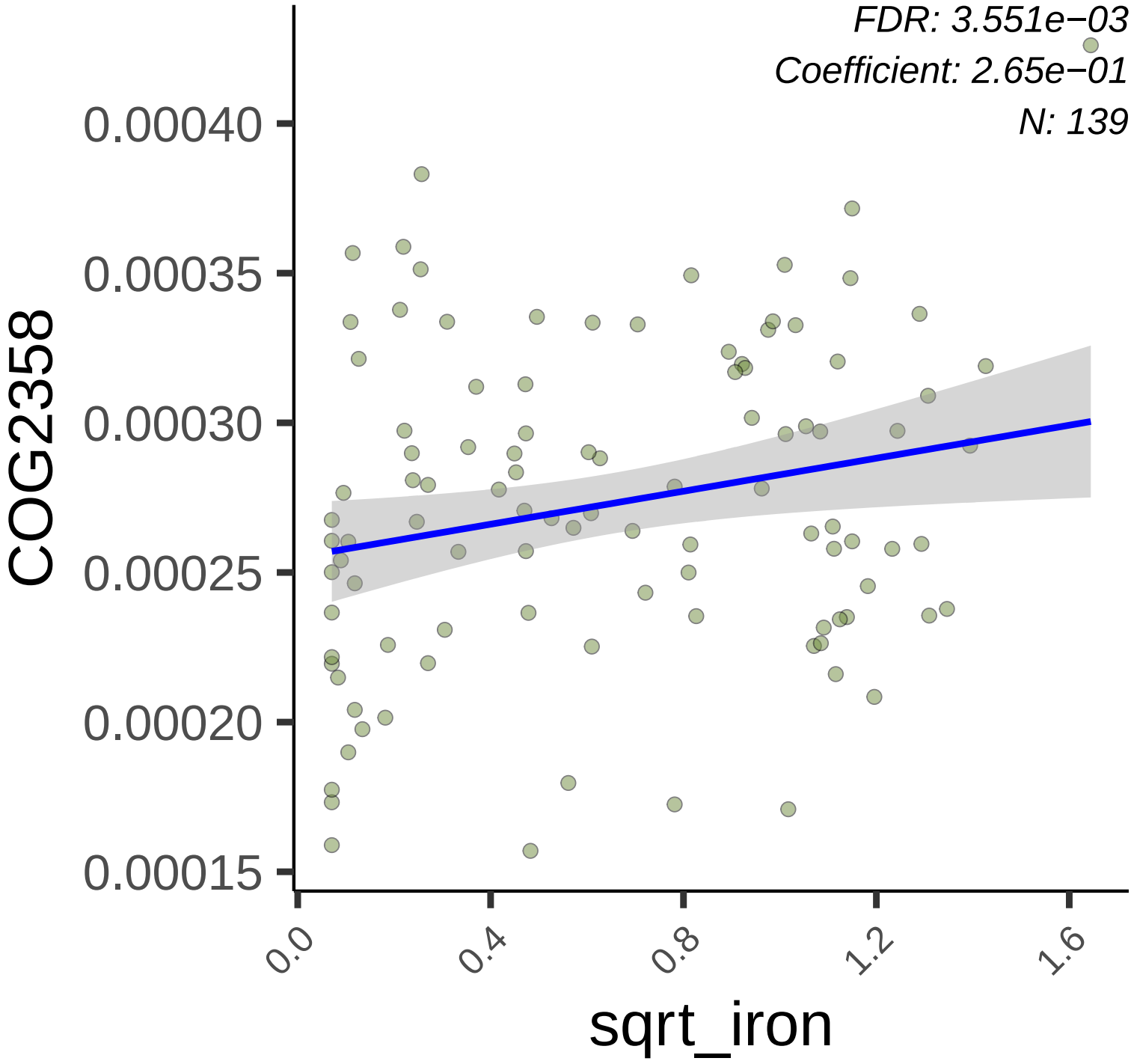
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.551e−03
Coefficient: 2.65e−01
N: 139
COG2358
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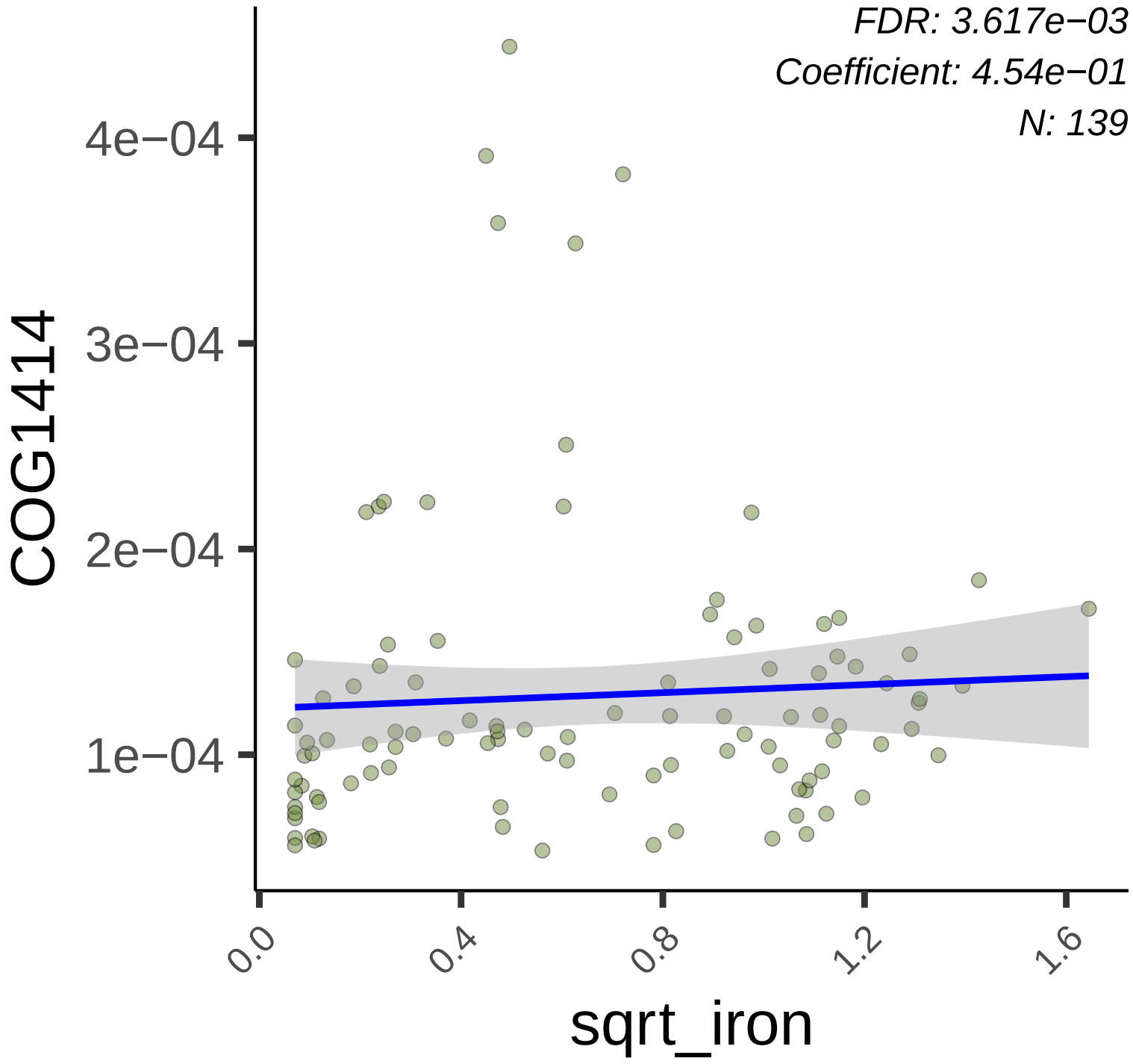
0.00025
0.00020
0.00015
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.617e−03
Coefficient: 4.54e−01
N: 139
COG1414
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2e−04
1e−04
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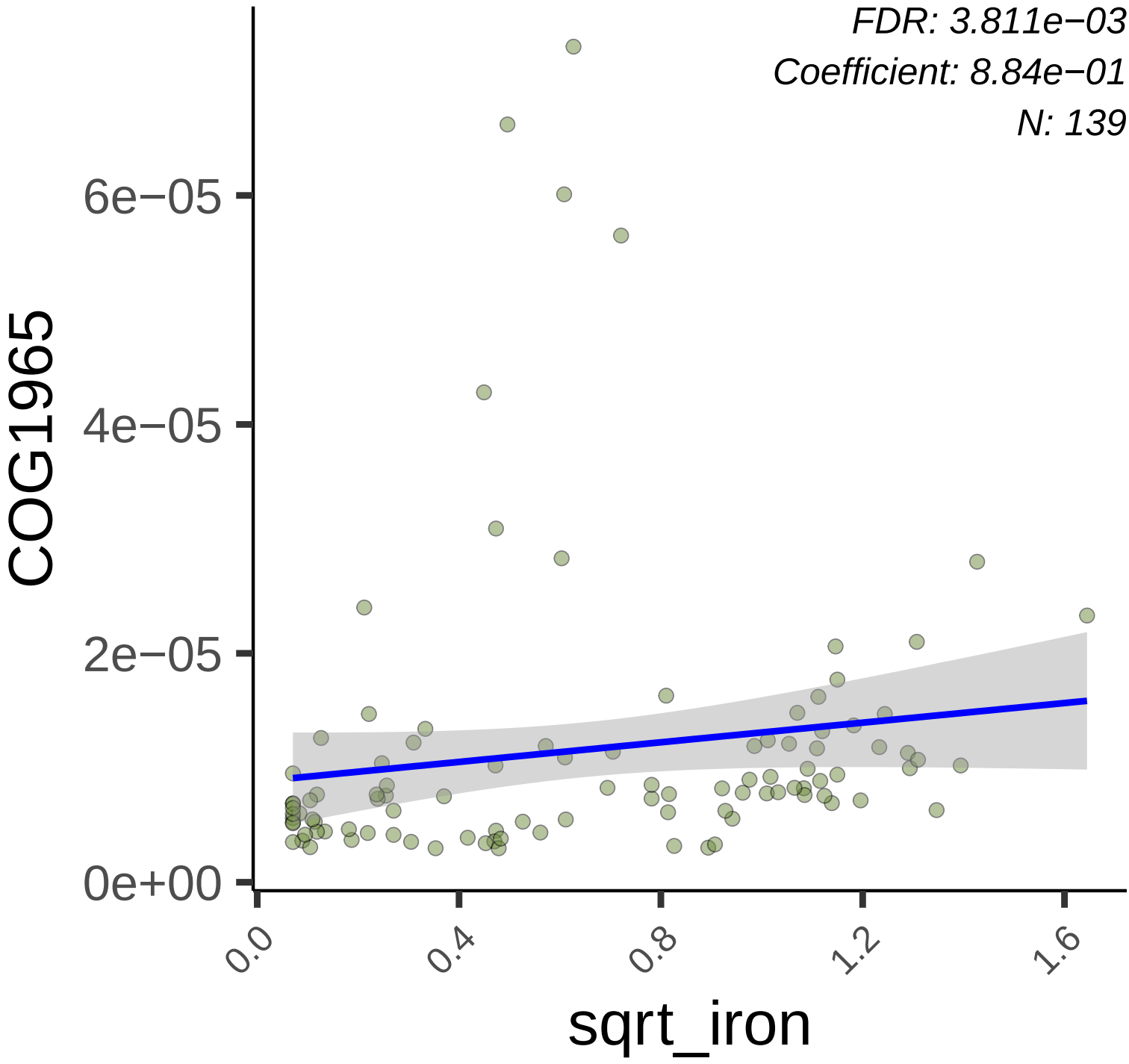
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.811e−03
Coefficient: 8.84e−01
N: 139
COG1965
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4e−05
2e−05
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0.4
0.8
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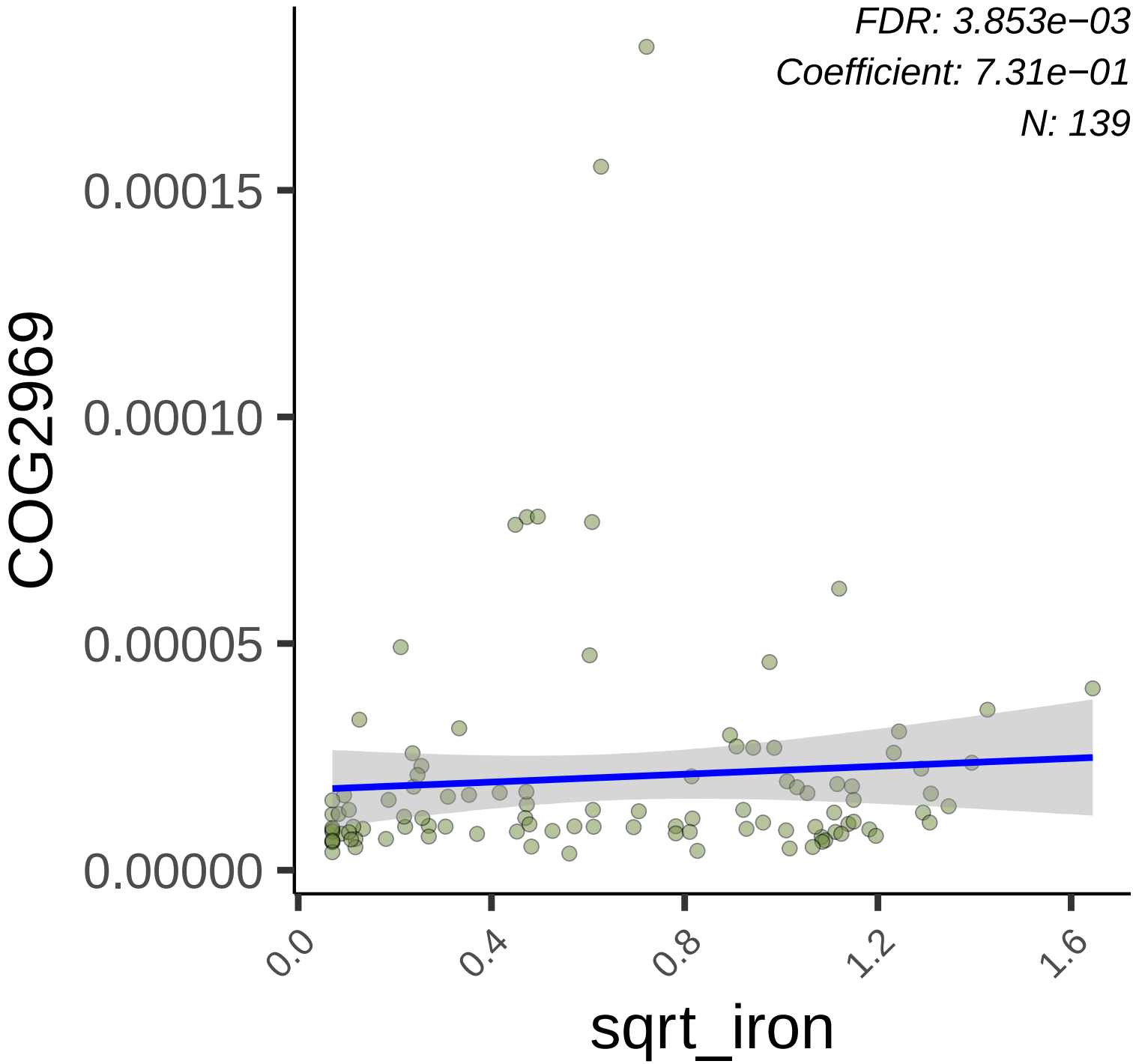
1.6
sqrt_iron


FDR: 3.853e−03
Coefficient: 7.31e−01
N: 139
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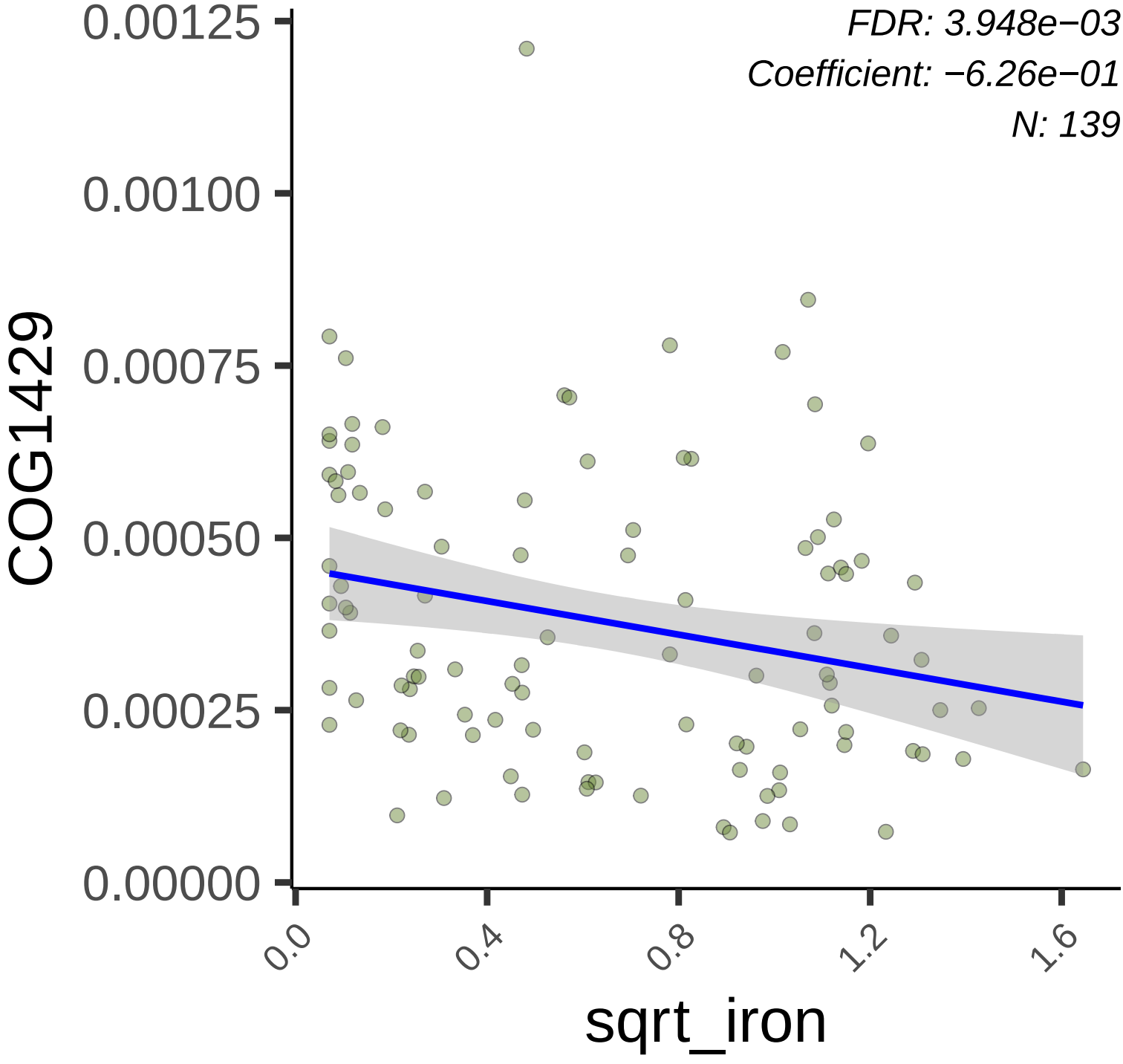
sqrt_iron


FDR: 3.948e−03
Coefficient: −6.26e−01
N: 139
0.00125
0.00100
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COG1429
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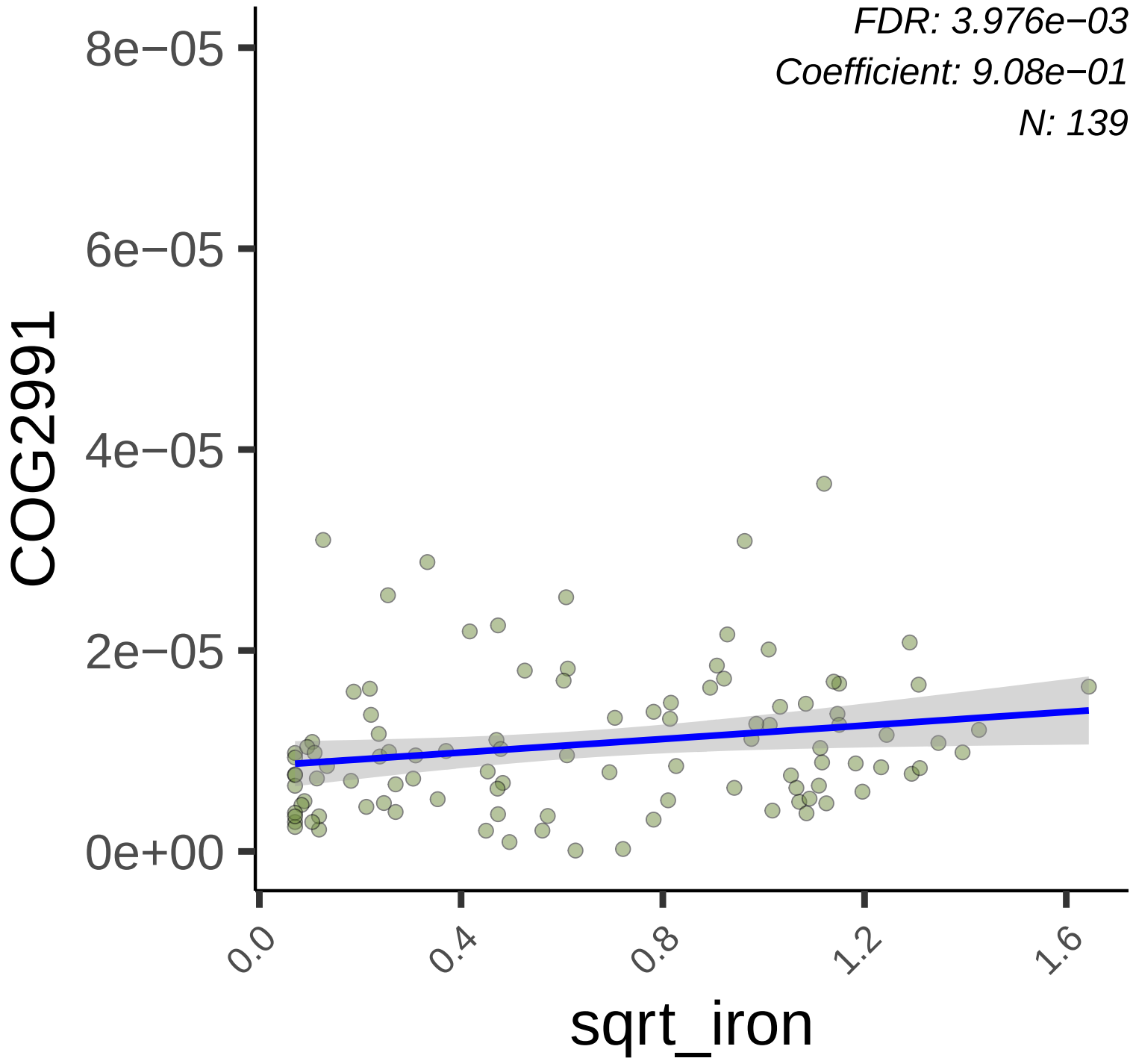
sqrt_iron


FDR: 3.976e−03
Coefficient: 9.08e−01
N: 139
8e−05
6e−05
4e−05
2e−05
0e+00
COG2991
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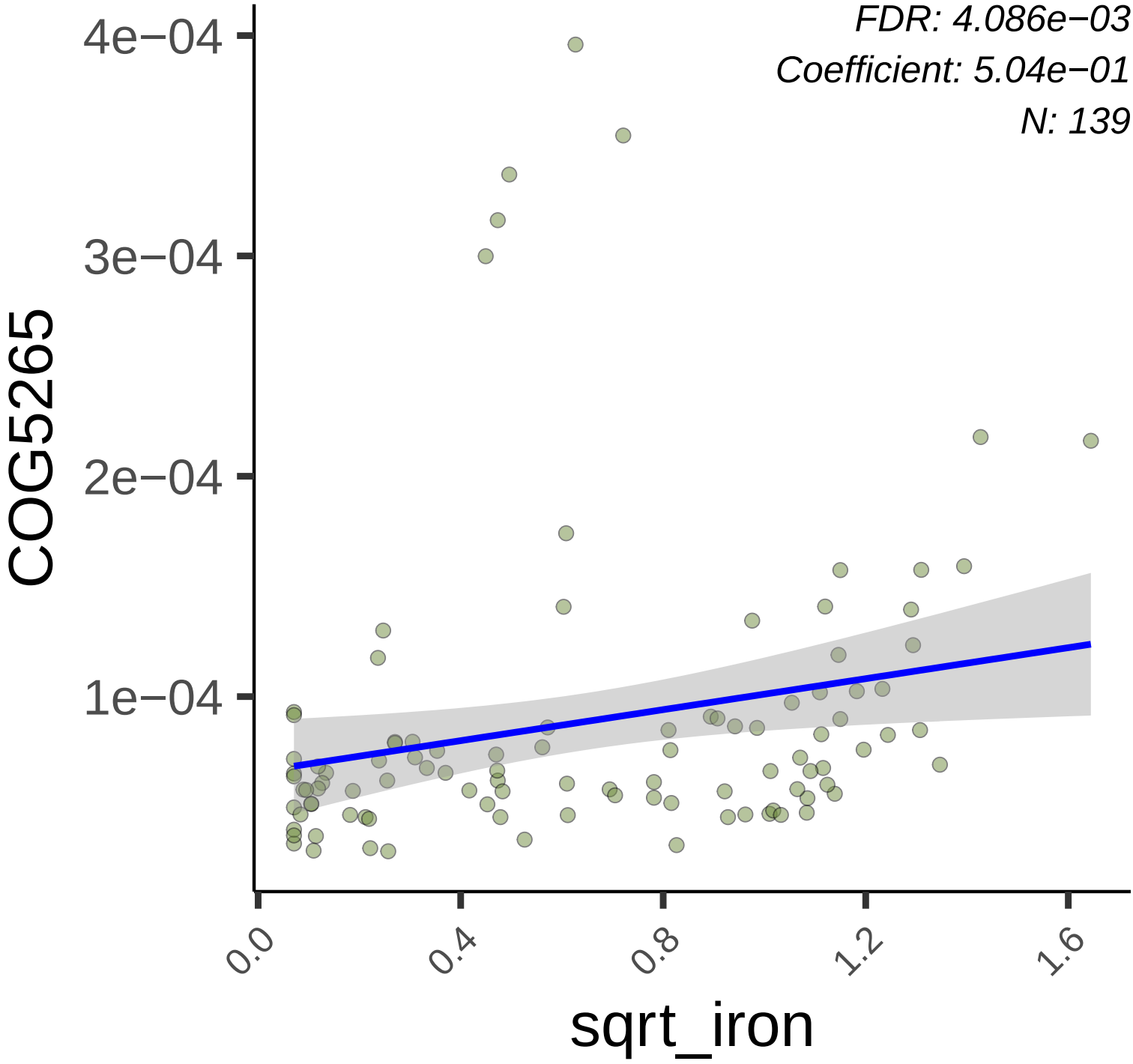
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.086e−03
Coefficient: 5.04e−01
N: 139
4e−04
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COG5265
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0.4
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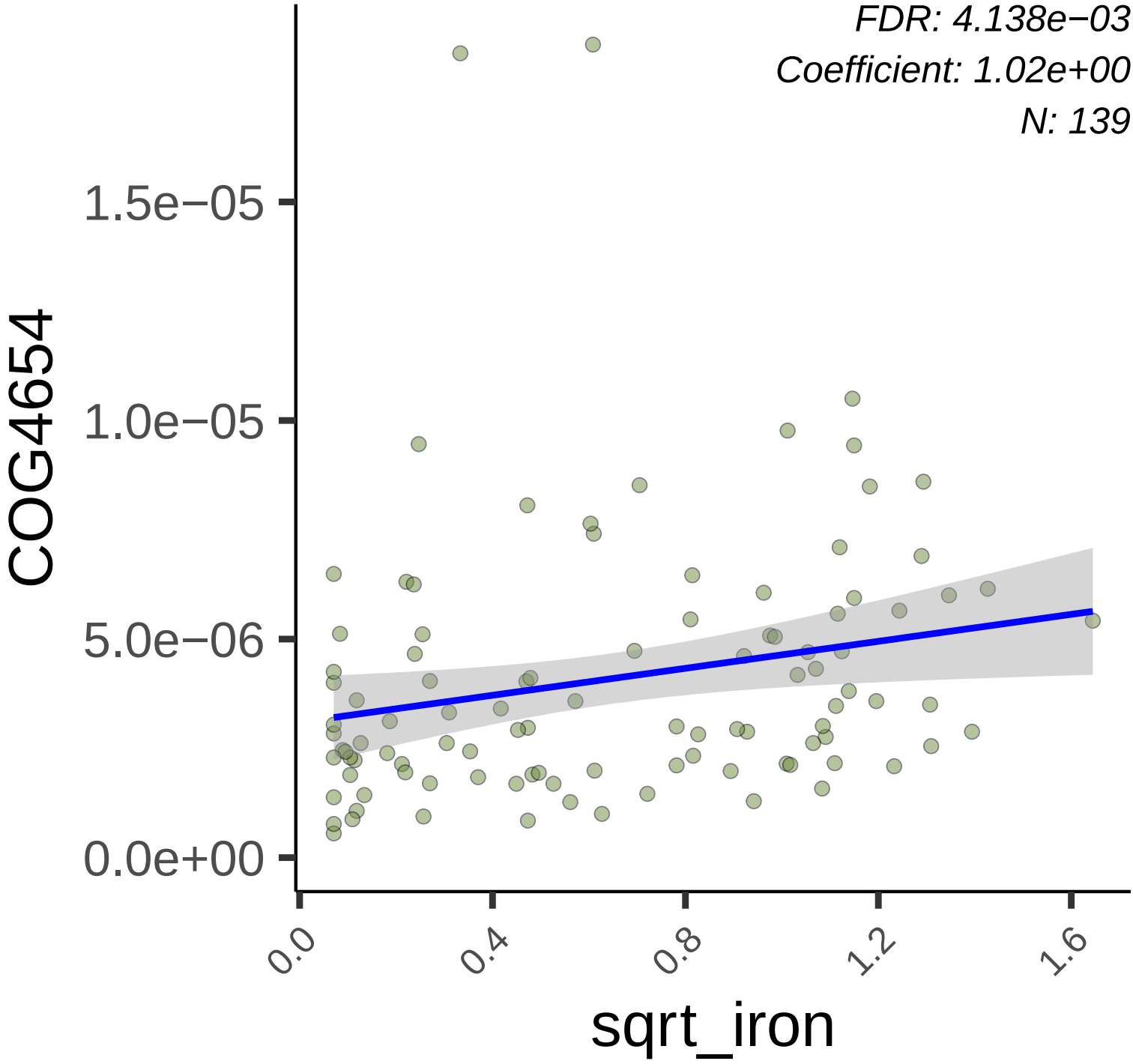
1.6
sqrt_iron


FDR: 4.138e−03
Coefficient: 1.02e+00
N: 139
COG4654
1.5e−05
1.0e−05
5.0e−06
0.0e+00
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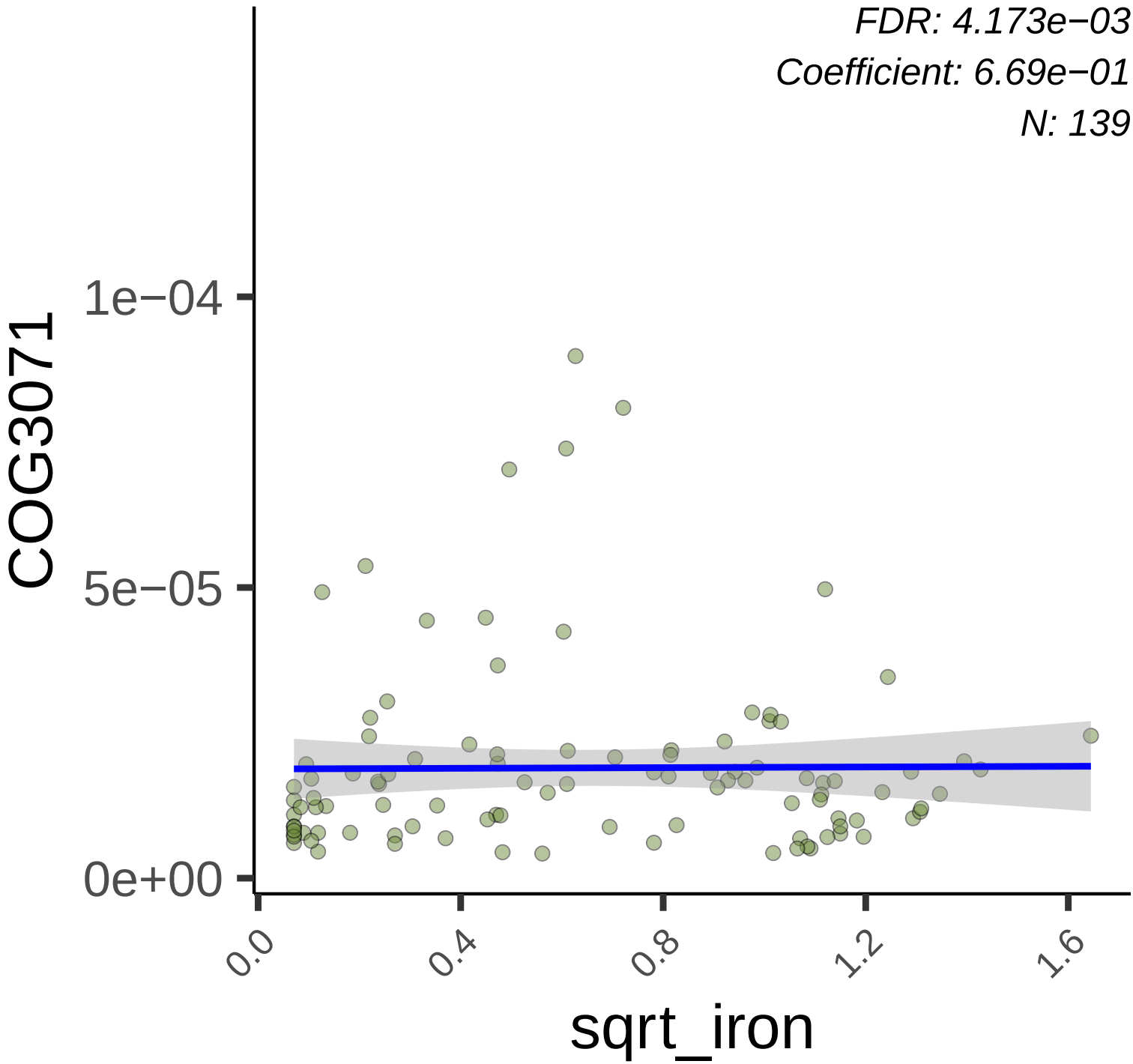
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.173e−03
Coefficient: 6.69e−01
N: 139
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0e+00
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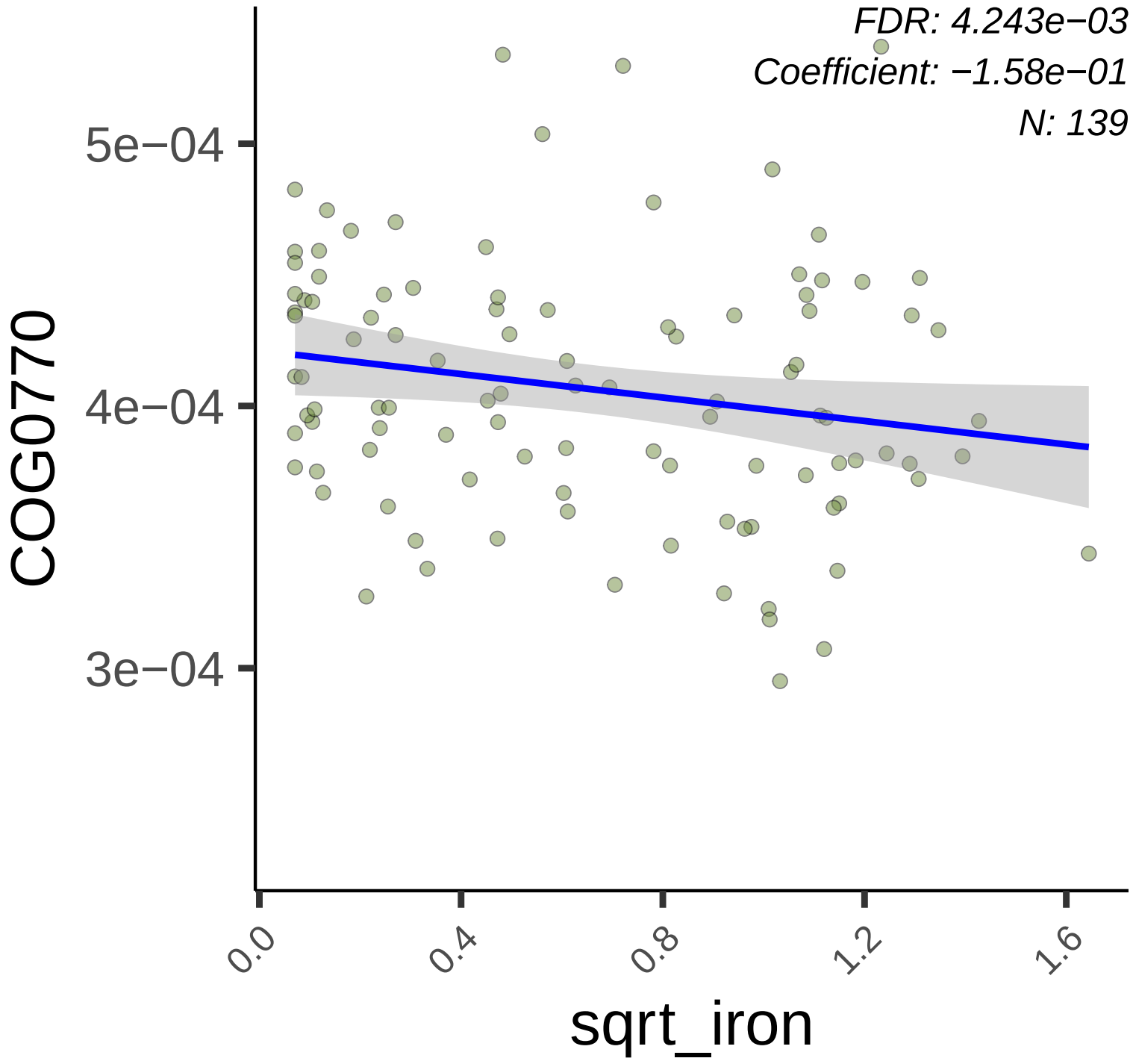
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.243e−03
Coefficient: −1.58e−01
N: 139
5e−04
4e−04
3e−04
COG0770
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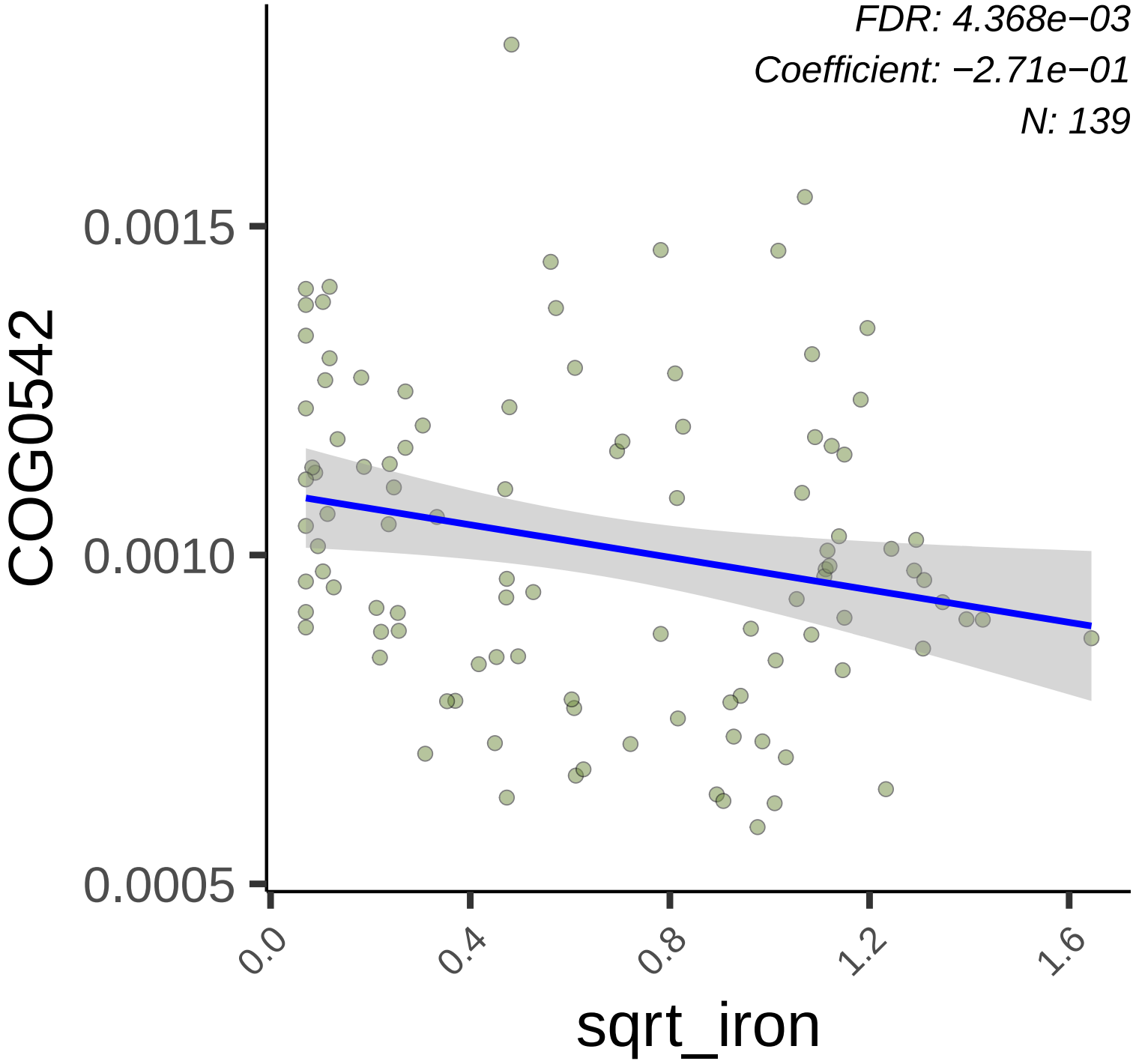
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.368e−03
Coefficient: −2.71e−01
N: 139
COG0542
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0.0010
0.0005
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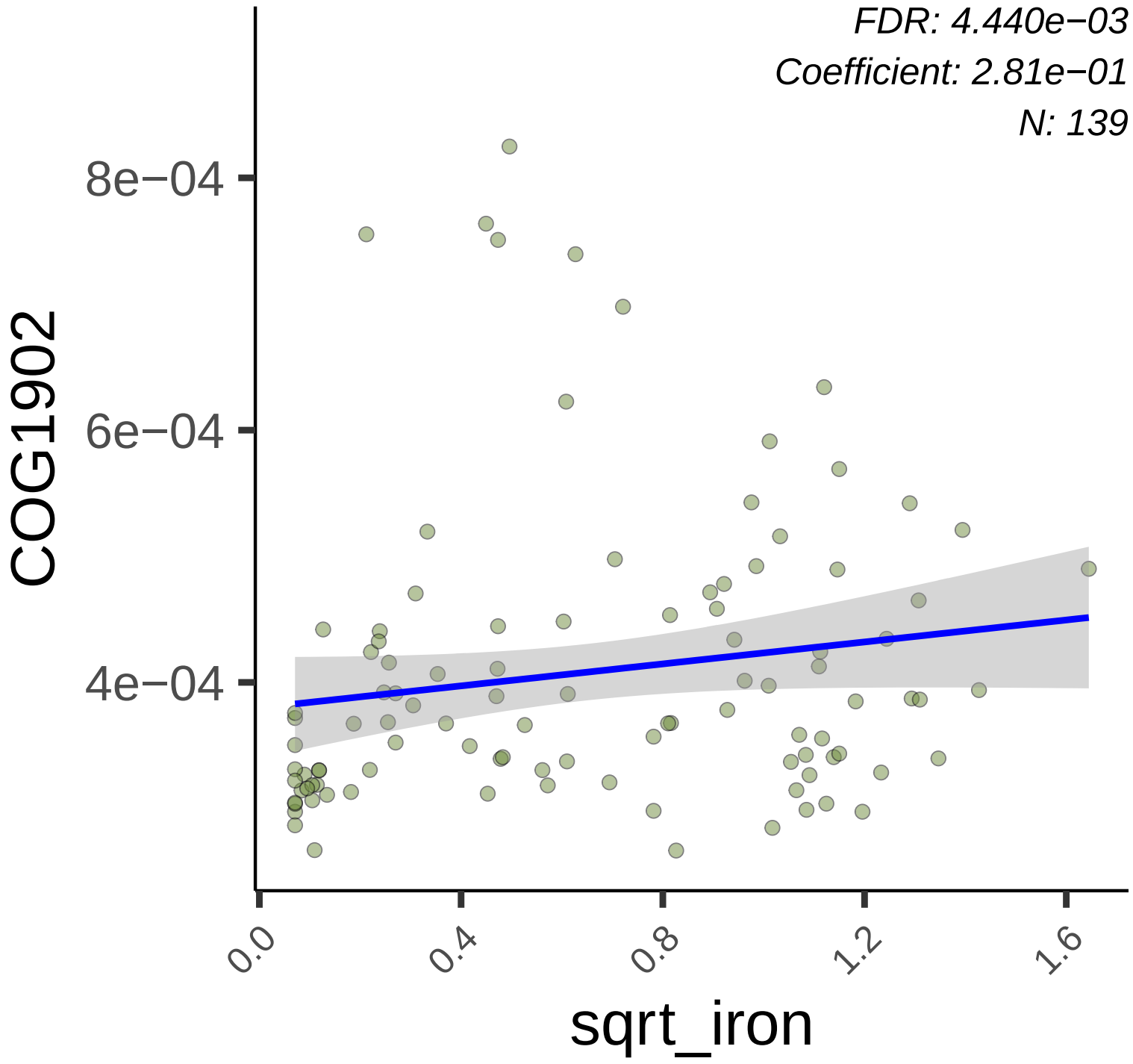
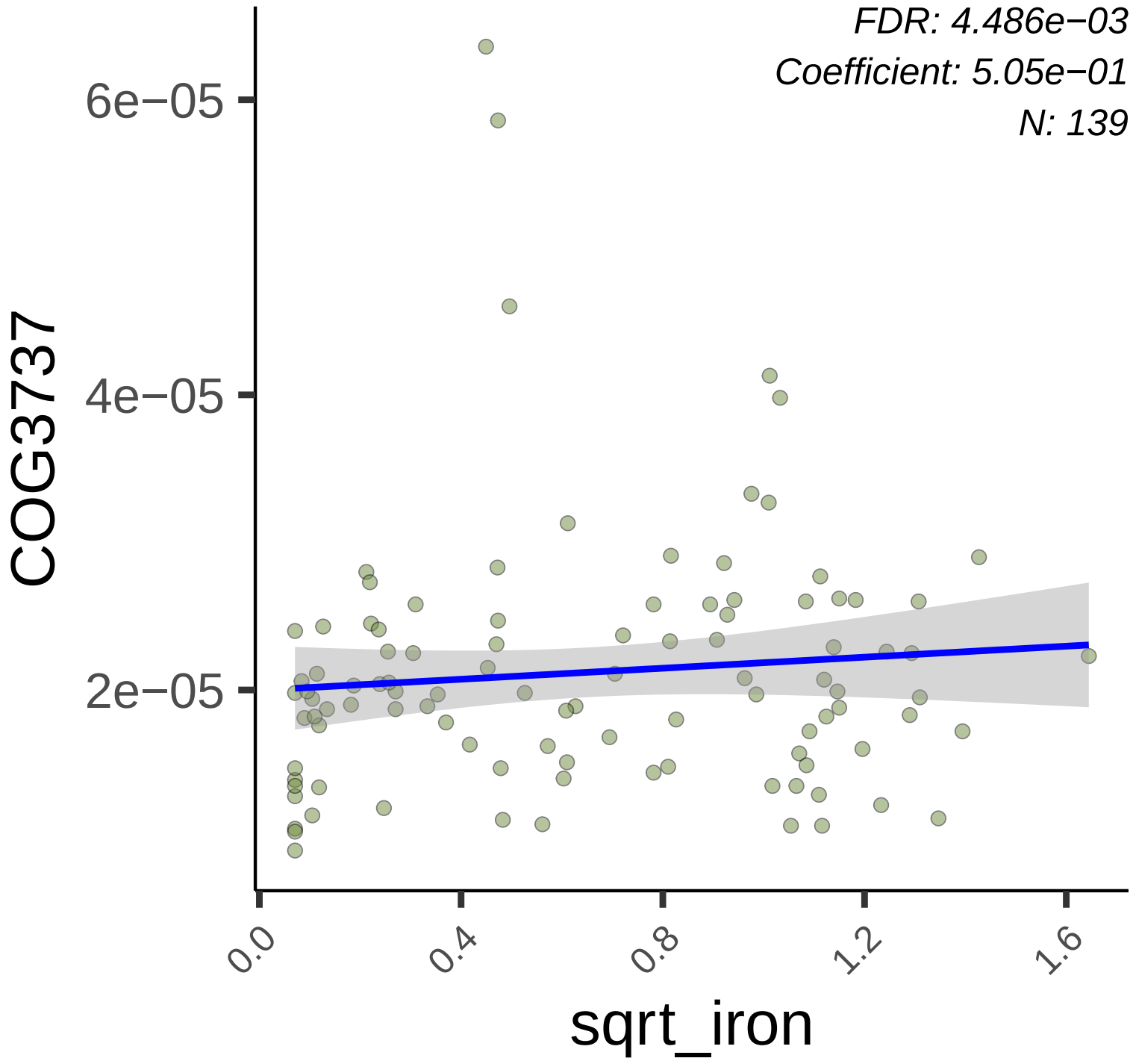
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.440e−03
Coefficient: 2.81e−01
N: 139
8e−04
6e−04
4e−04
COG1902
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.486e−03
Coefficient: 5.05e−01
N: 139
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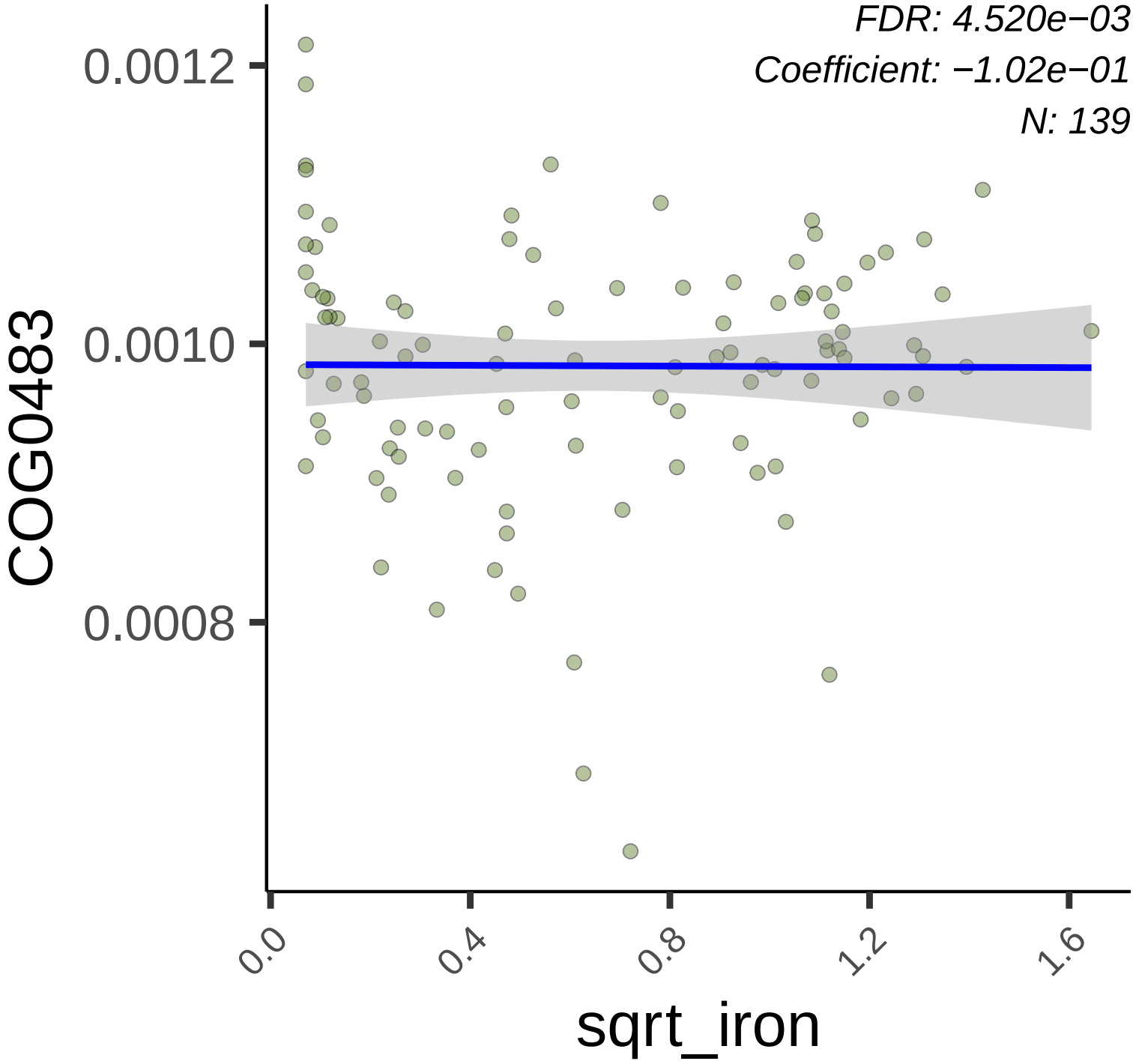
4e−05
2e−05
COG3737
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.520e−03
Coefficient: −1.02e−01
N: 139
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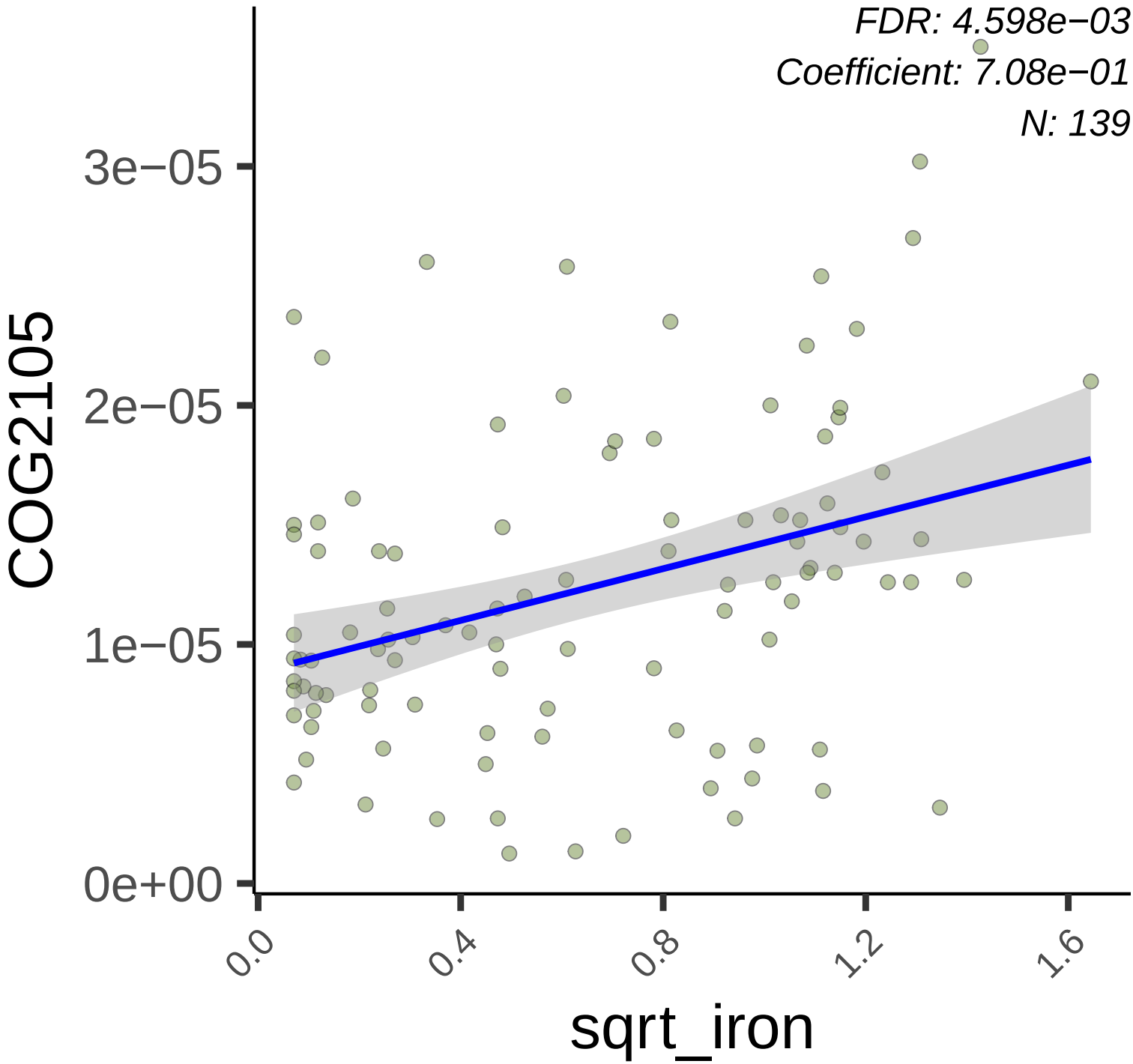
0.0010
0.0008
COG0483
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.598e−03
Coefficient: 7.08e−01
N: 139
COG2105
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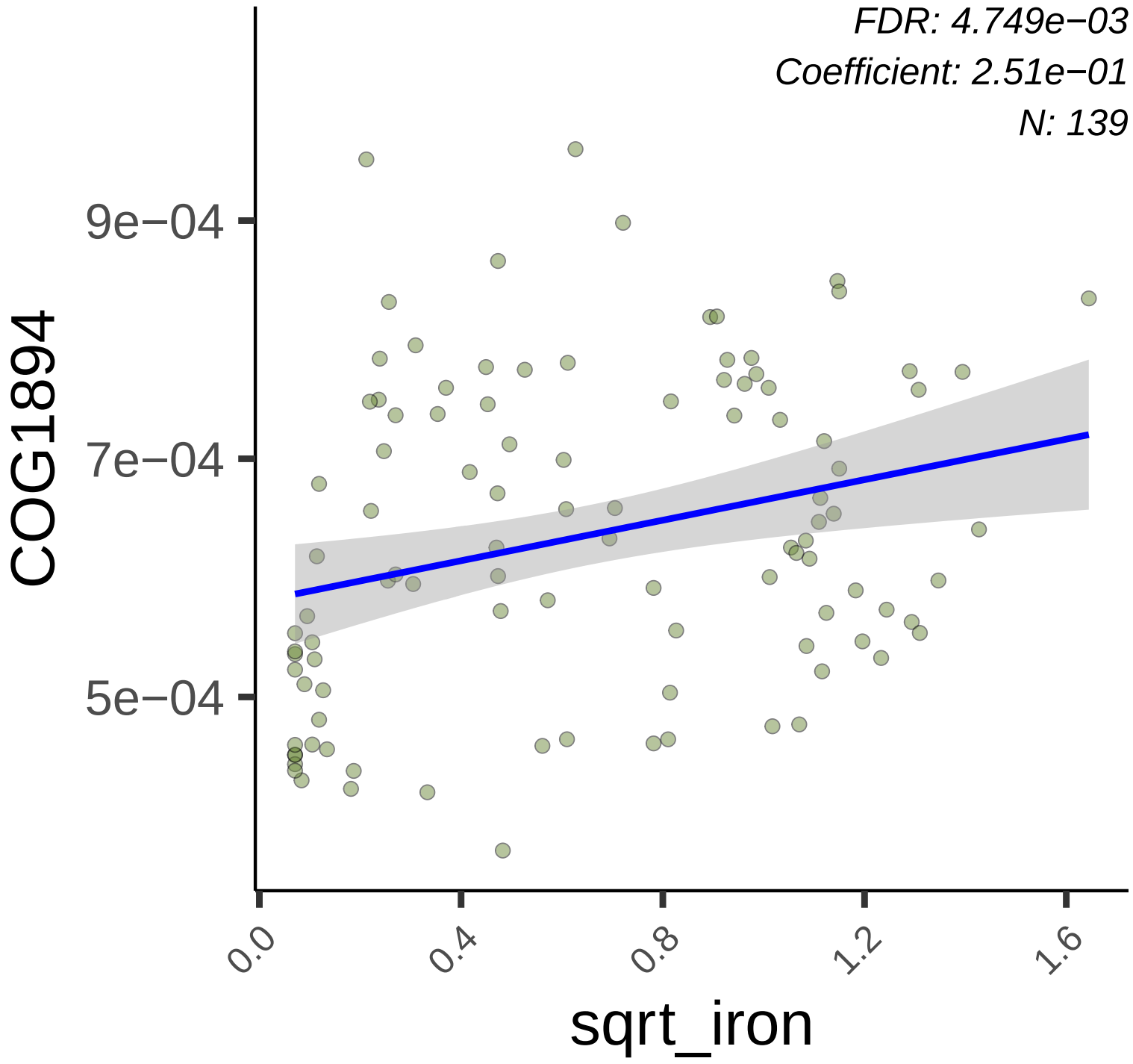
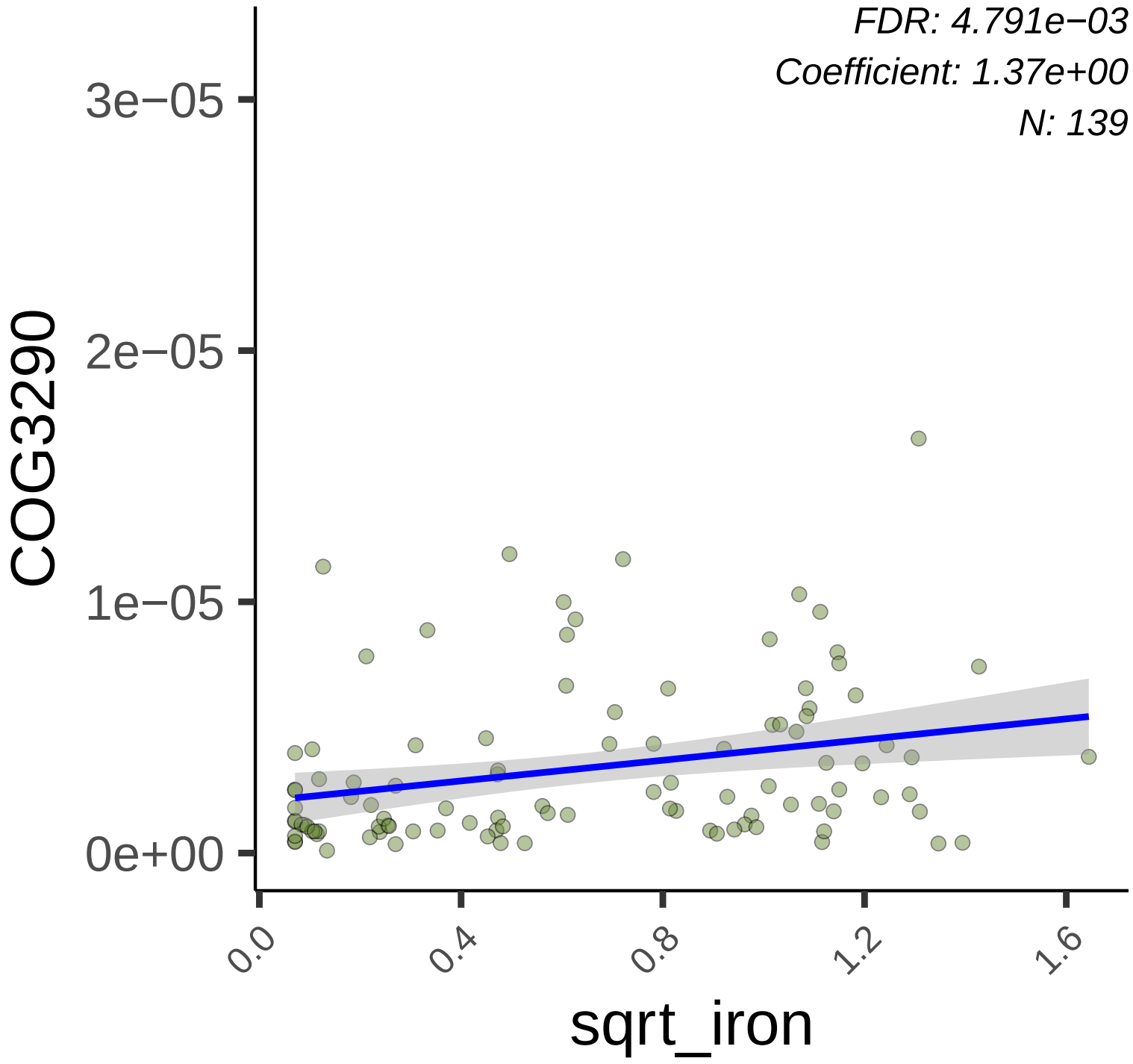
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.749e−03
Coefficient: 2.51e−01
N: 139
COG1894
9e−04
7e−04
5e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.791e−03
Coefficient: 1.37e+00
N: 139
COG3290
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2e−05
1e−05
0e+00
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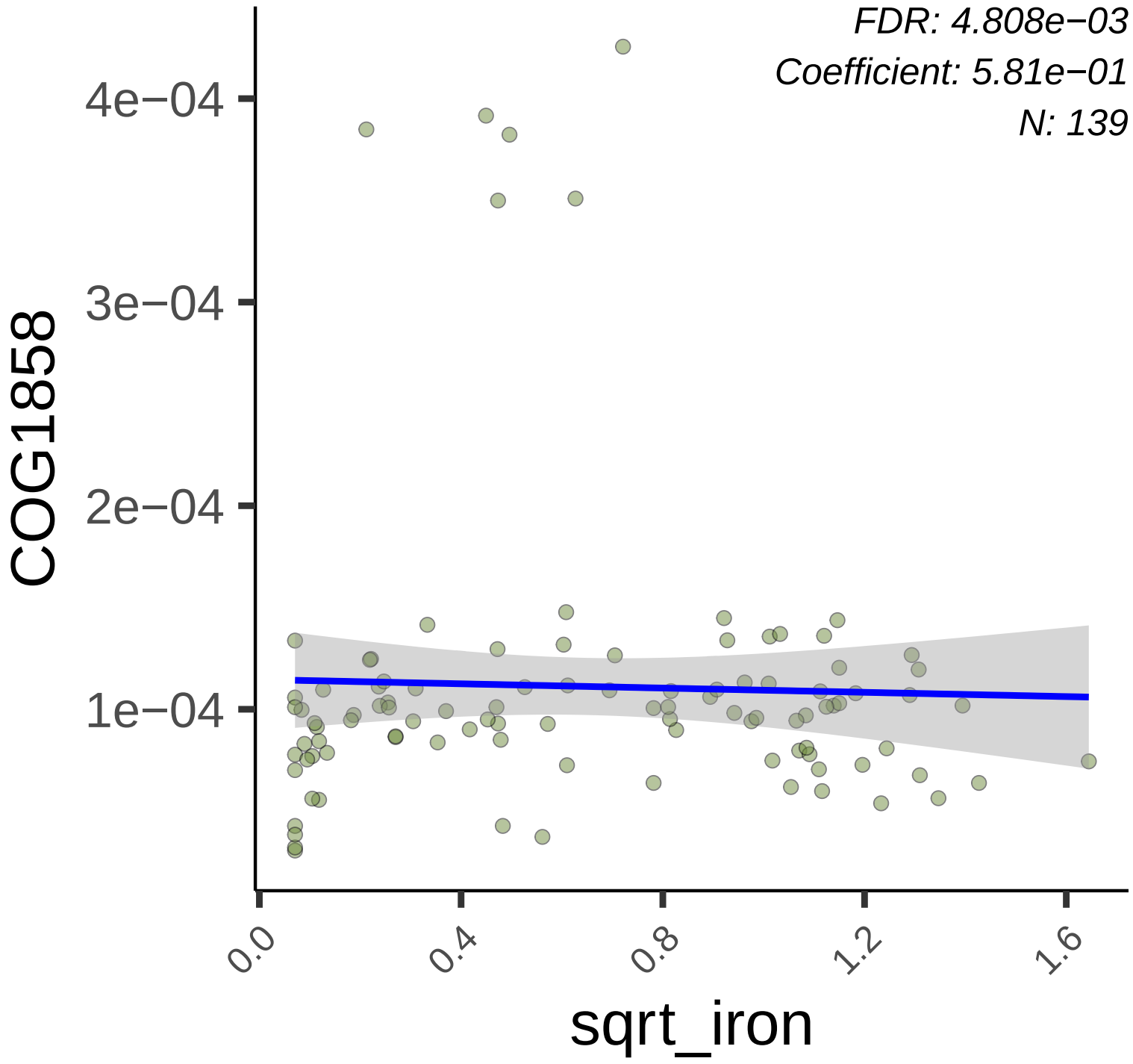
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.808e−03
Coefficient: 5.81e−01
N: 139
COG1858
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2e−04
1e−04
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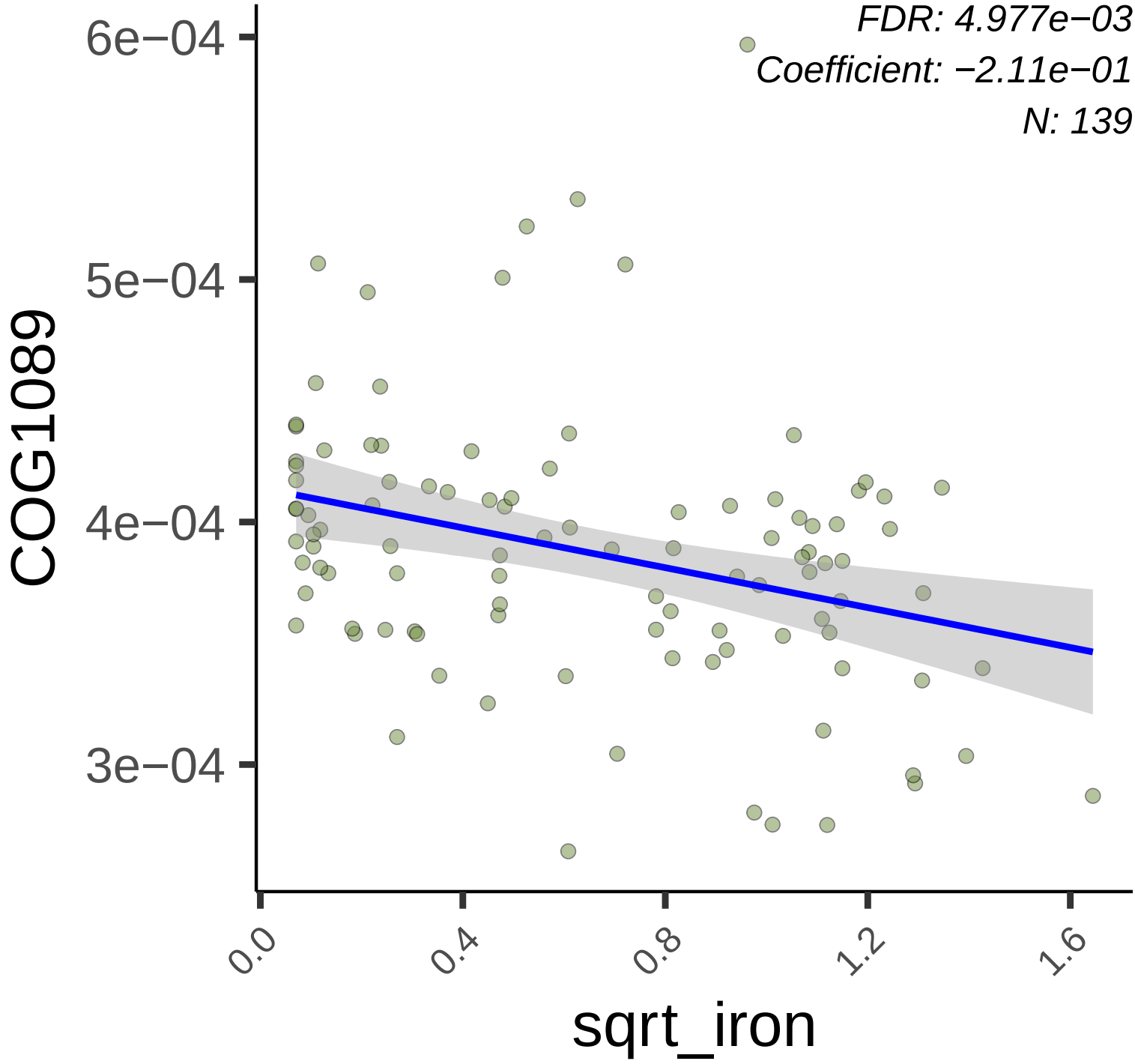
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.977e−03
Coefficient: −2.11e−01
N: 139
6e−04
5e−04
4e−04
3e−04
COG1089
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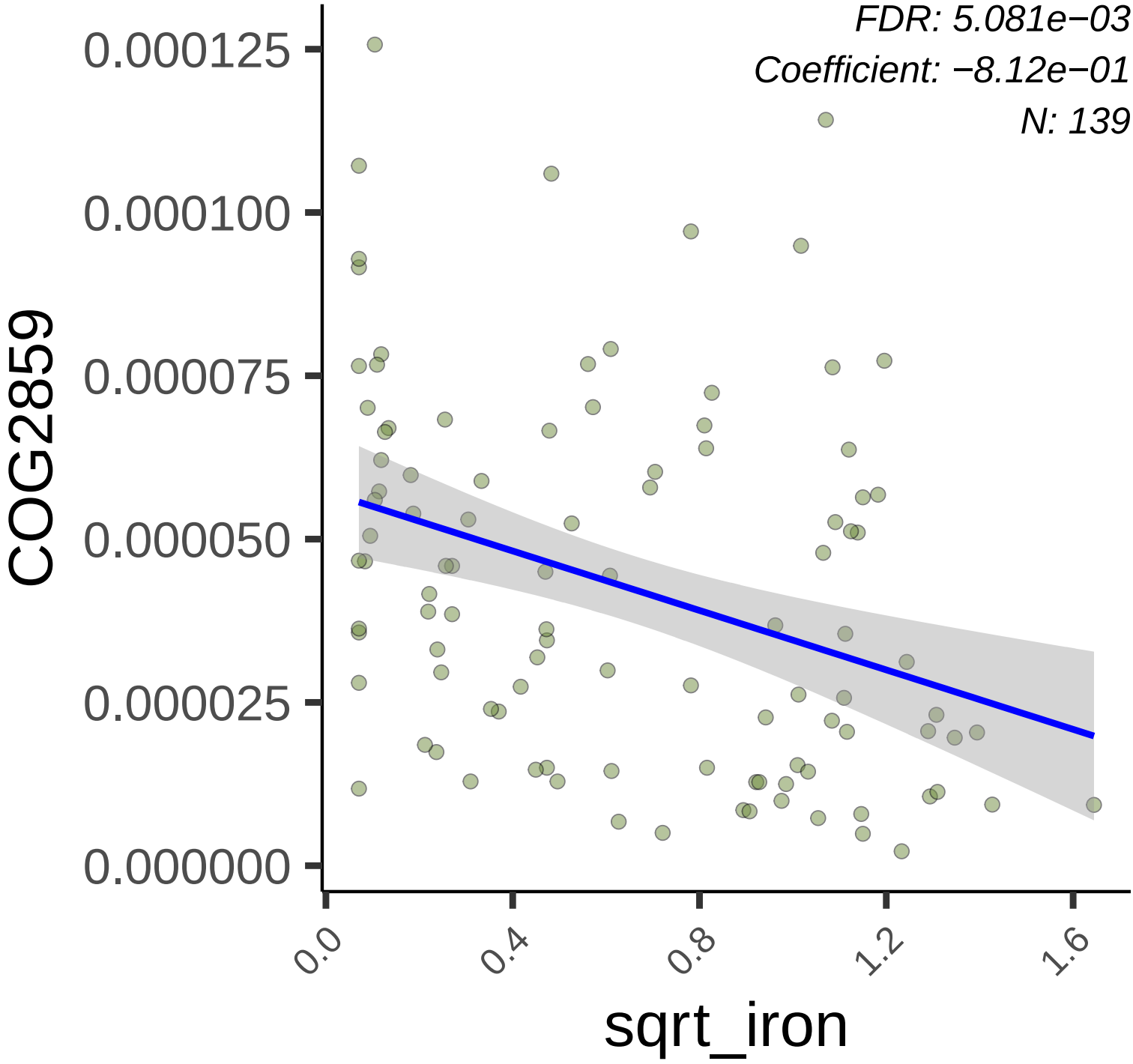
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.081e−03
Coefficient: −8.12e−01
N: 139
COG2859
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0.000100
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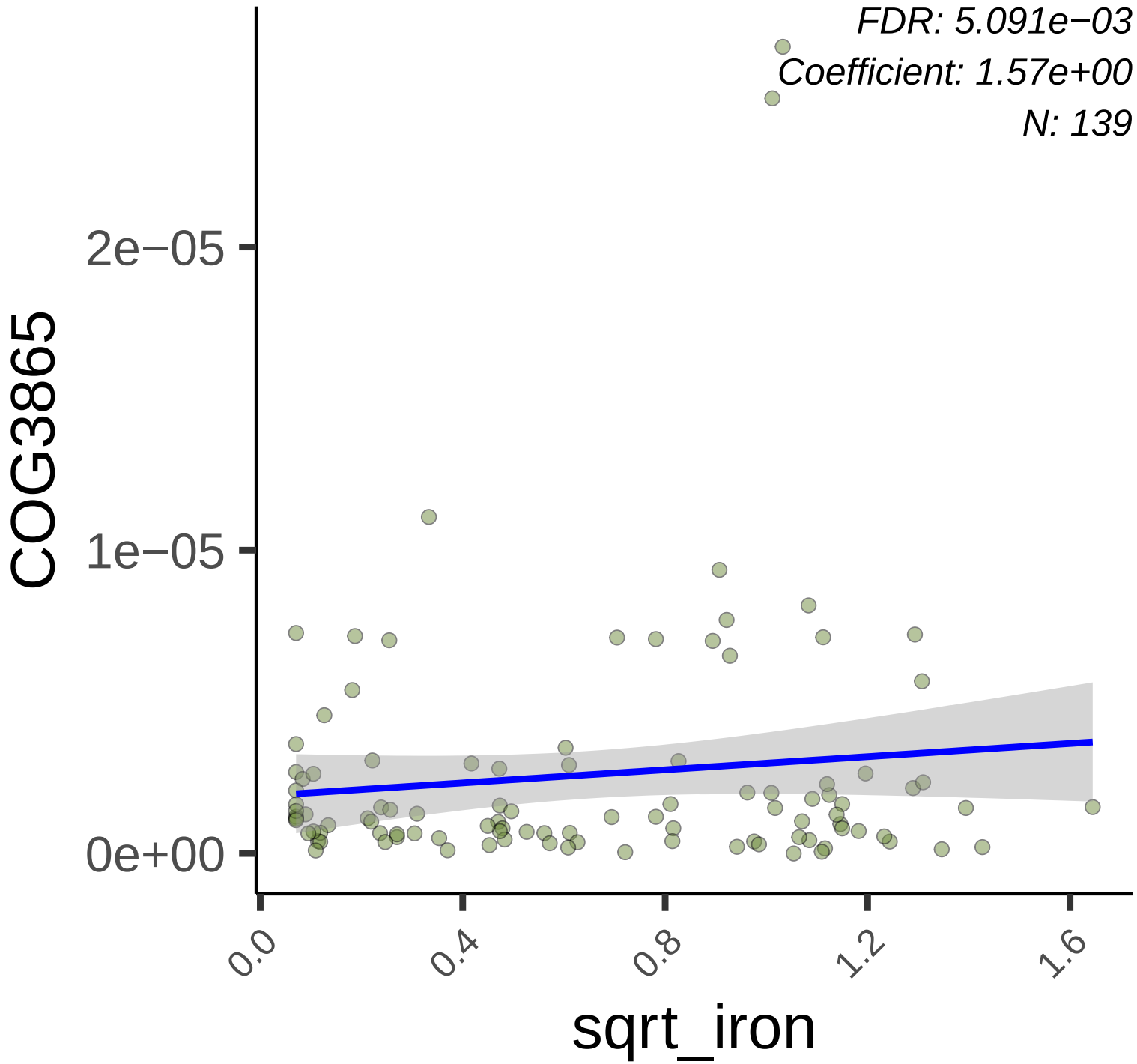
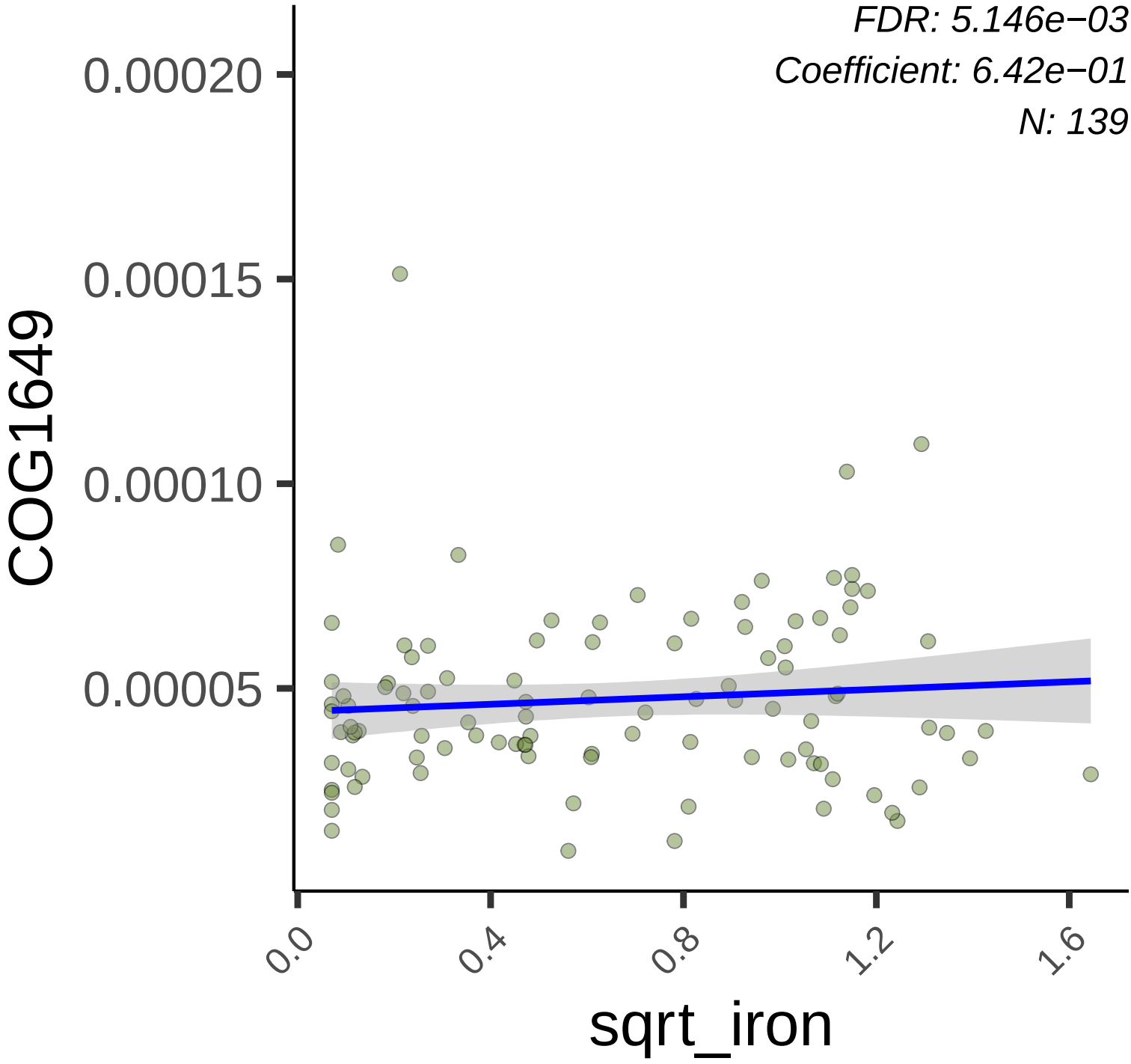
0.000050
0.000025
0.000000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.091e−03
Coefficient: 1.57e+00
N: 139
COG3865
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.146e−03
Coefficient: 6.42e−01
N: 139
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0.00015
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COG1649
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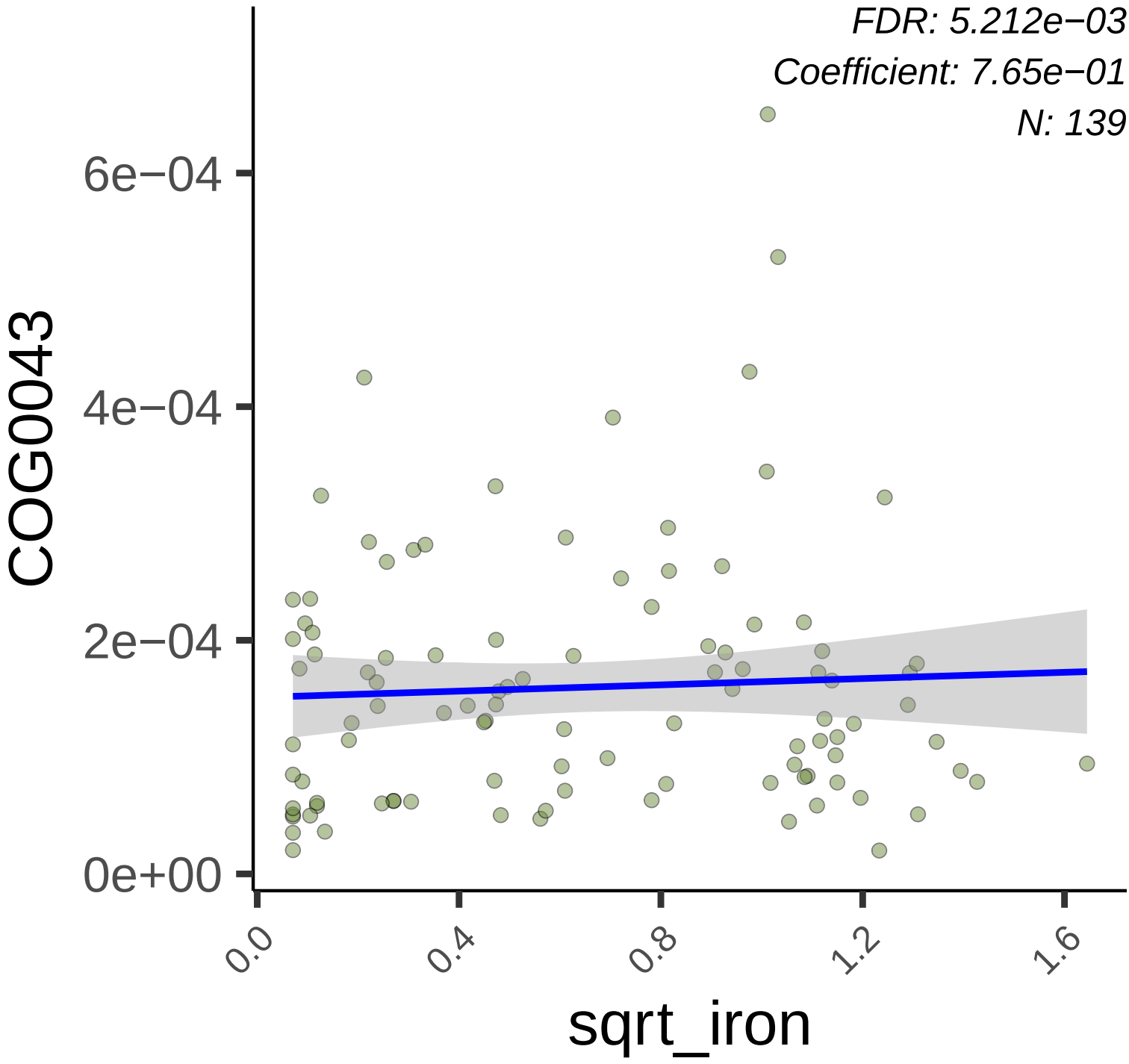
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.212e−03
Coefficient: 7.65e−01
N: 139
COG0043
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2e−04
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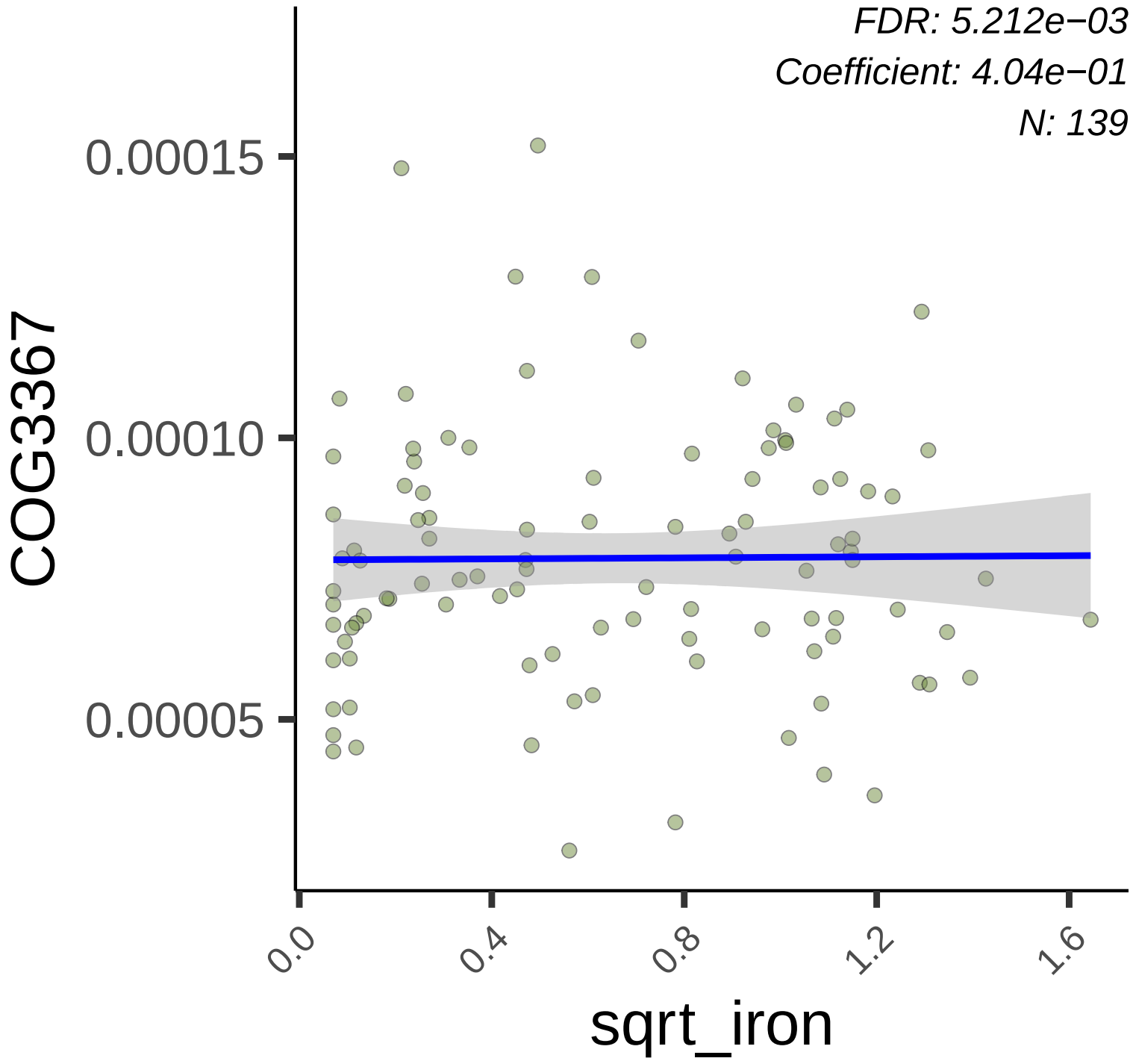
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.212e−03
Coefficient: 4.04e−01
N: 139
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0.00010
0.00005
COG3367
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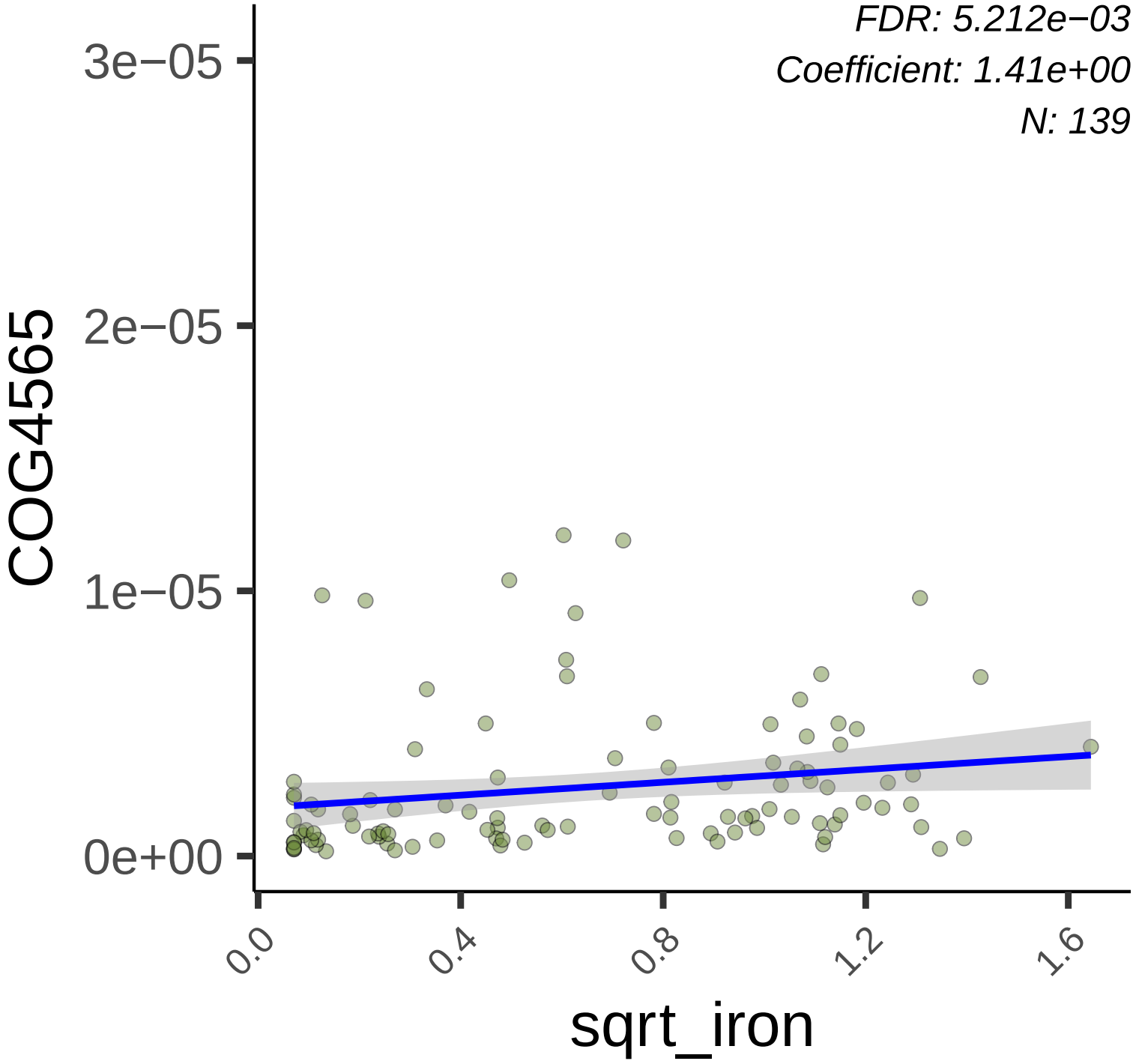
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.212e−03
Coefficient: 1.41e+00
N: 139
COG4565
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2e−05
1e−05
0e+00
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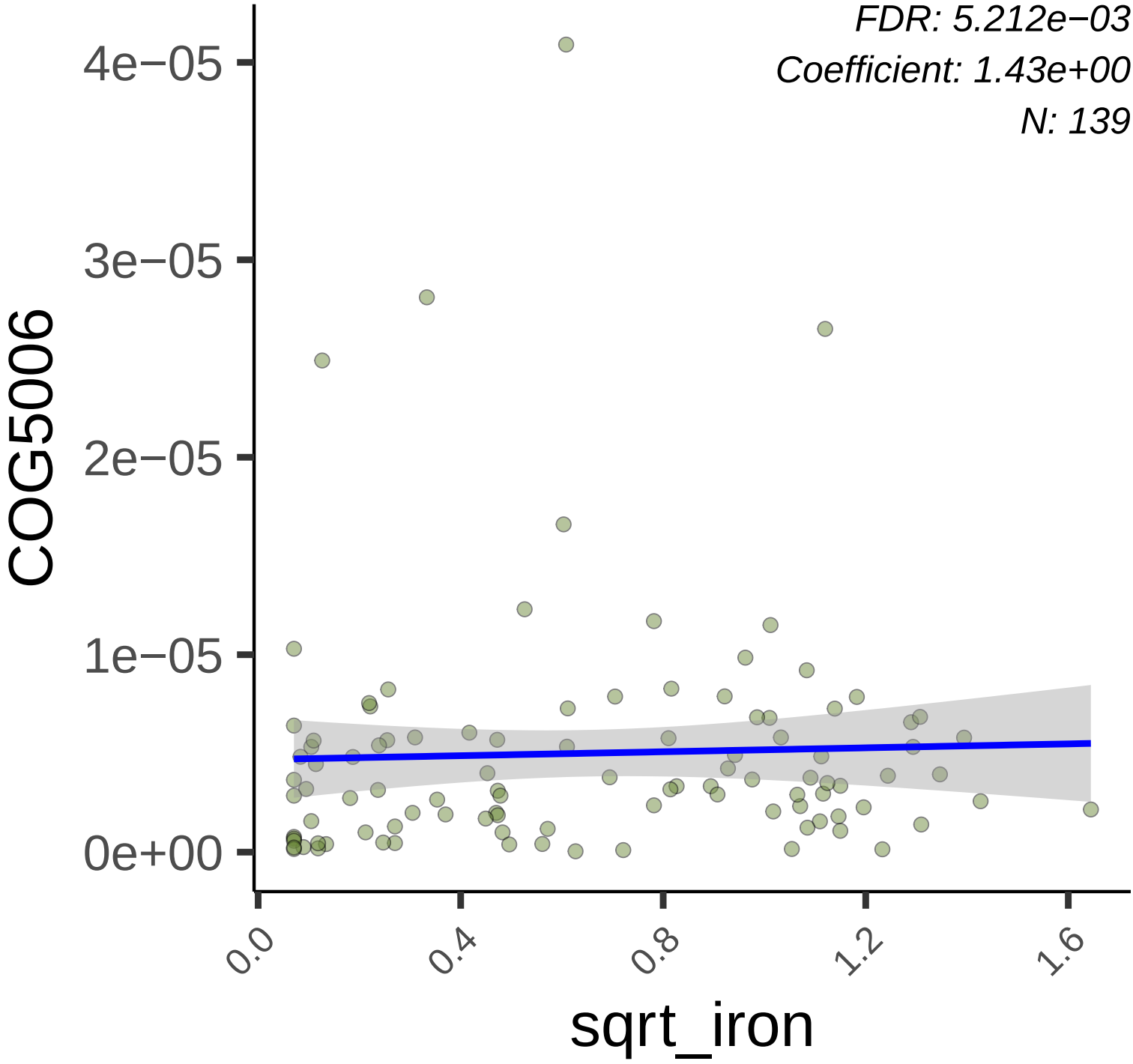
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.212e−03
Coefficient: 1.43e+00
N: 139
COG5006
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2e−05
1e−05
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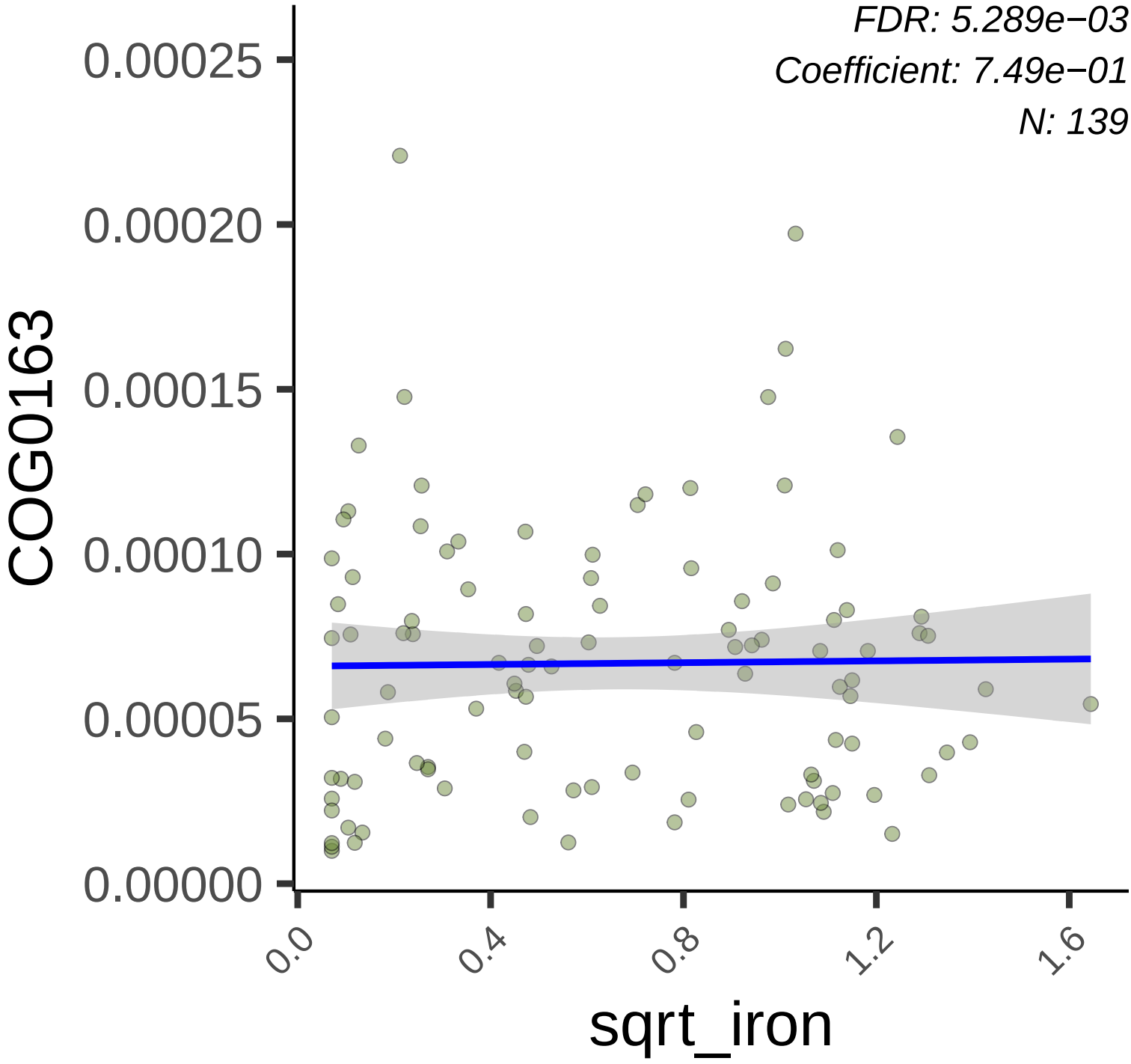
1.2
1.6
sqrt_iron


FDR: 5.289e−03
Coefficient: 7.49e−01
N: 139
COG0163
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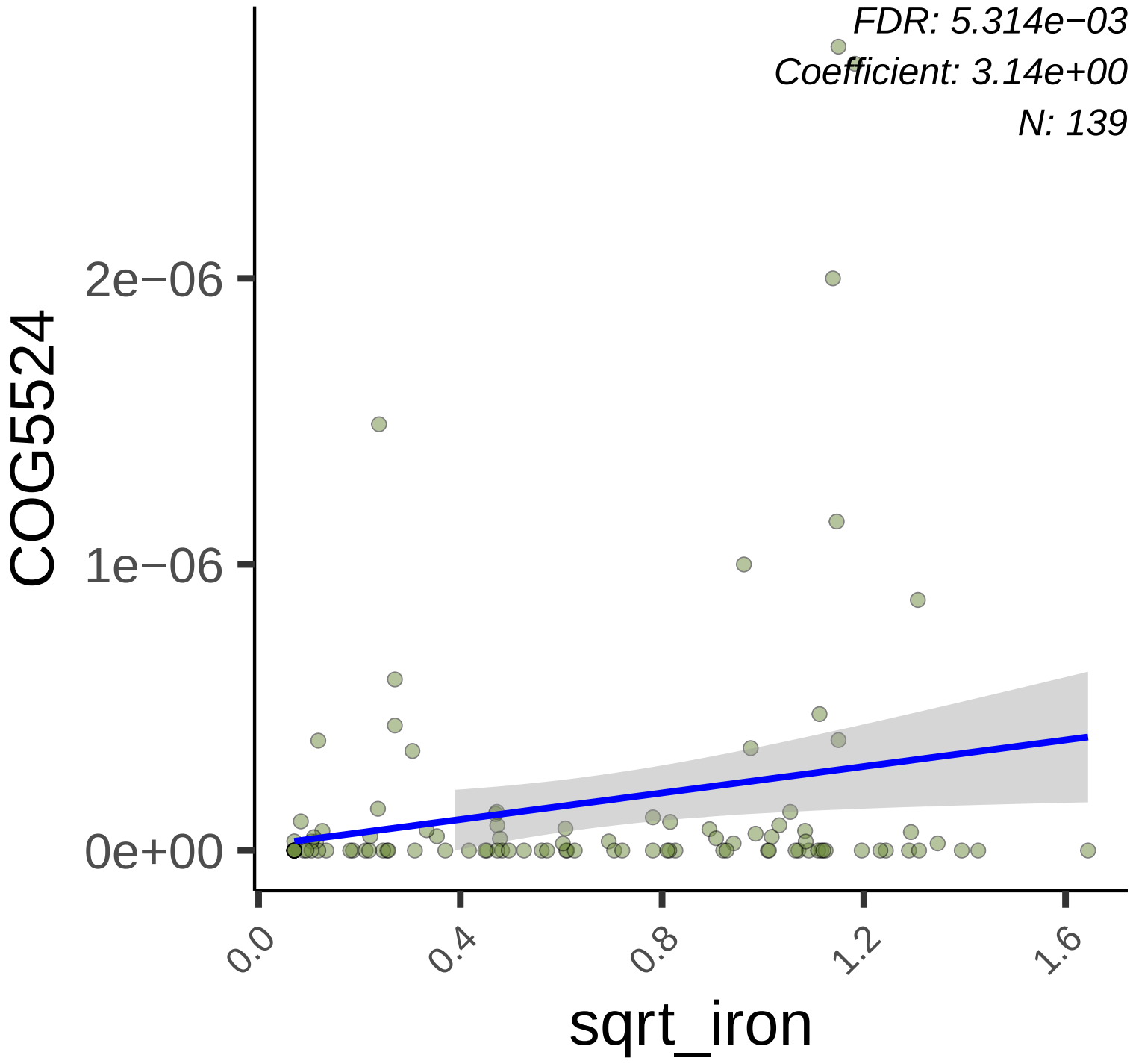
1.6
sqrt_iron


FDR: 5.314e−03
Coefficient: 3.14e+00
N: 139
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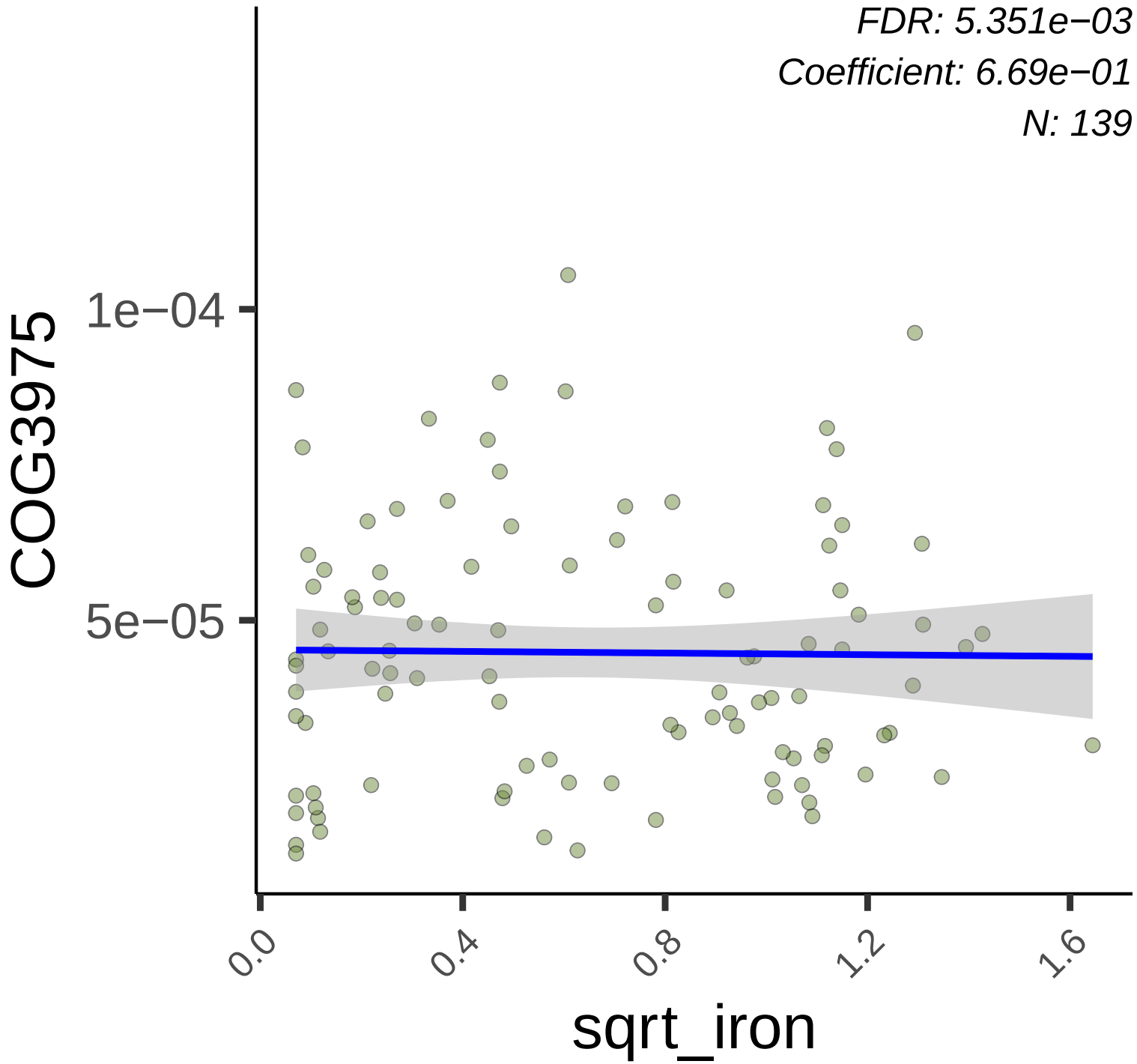
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.351e−03
Coefficient: 6.69e−01
N: 139
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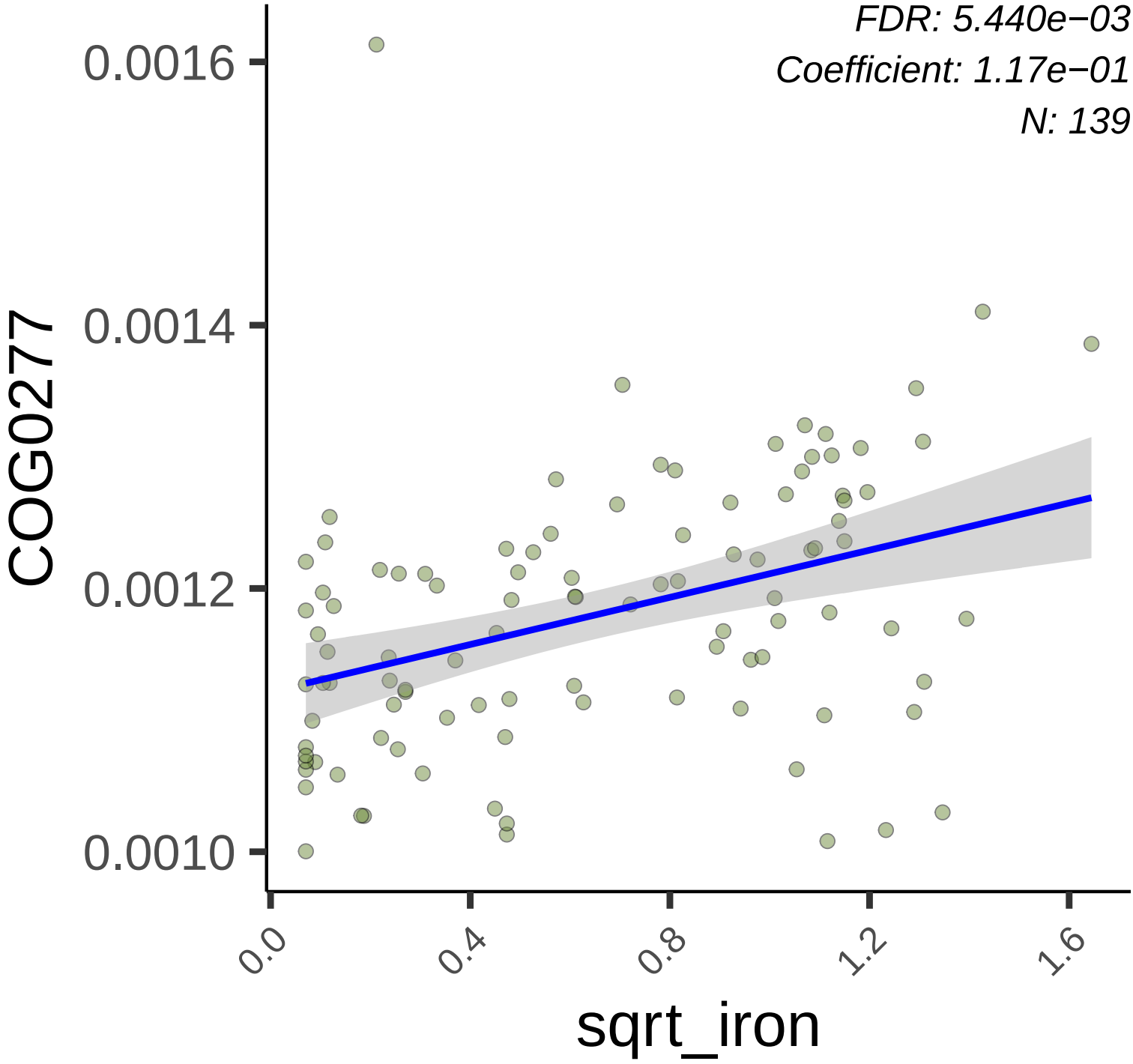
1.2
1.6
sqrt_iron


FDR: 5.440e−03
Coefficient: 1.17e−01
N: 139
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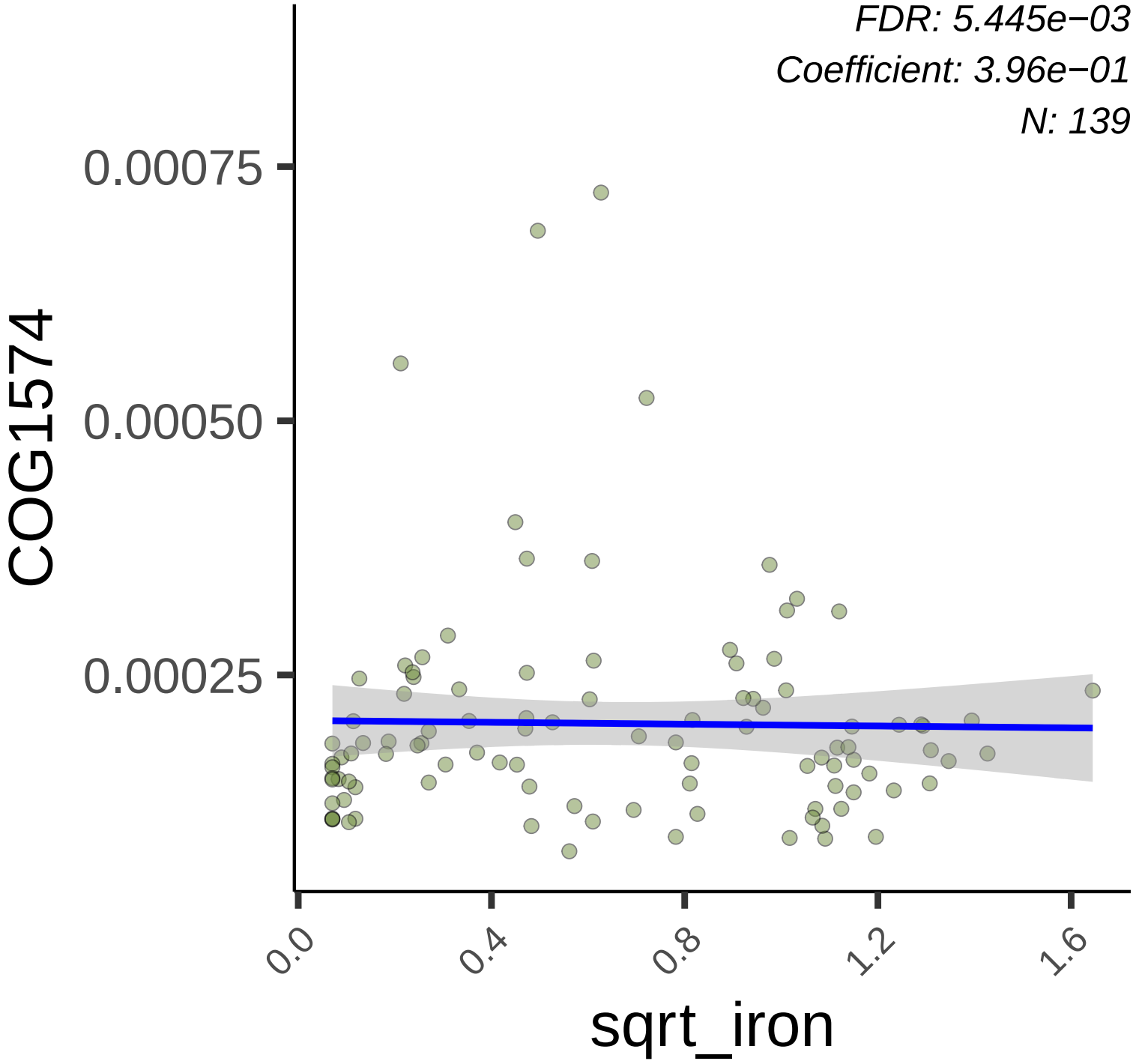
1.2
1.6
sqrt_iron


FDR: 5.445e−03
Coefficient: 3.96e−01
N: 139
COG1574
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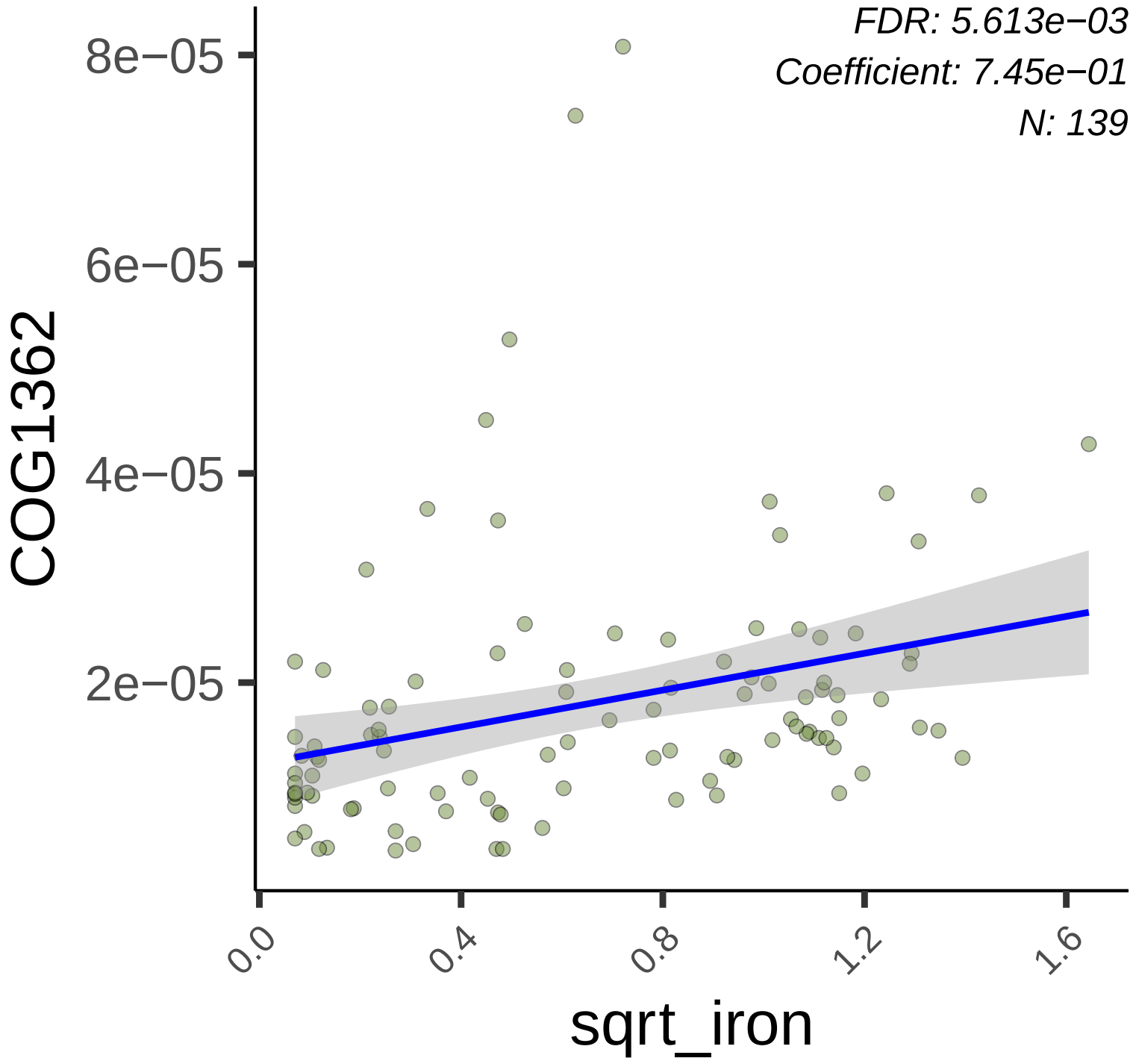
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.613e−03
Coefficient: 7.45e−01
N: 139
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4e−05
2e−05
COG1362
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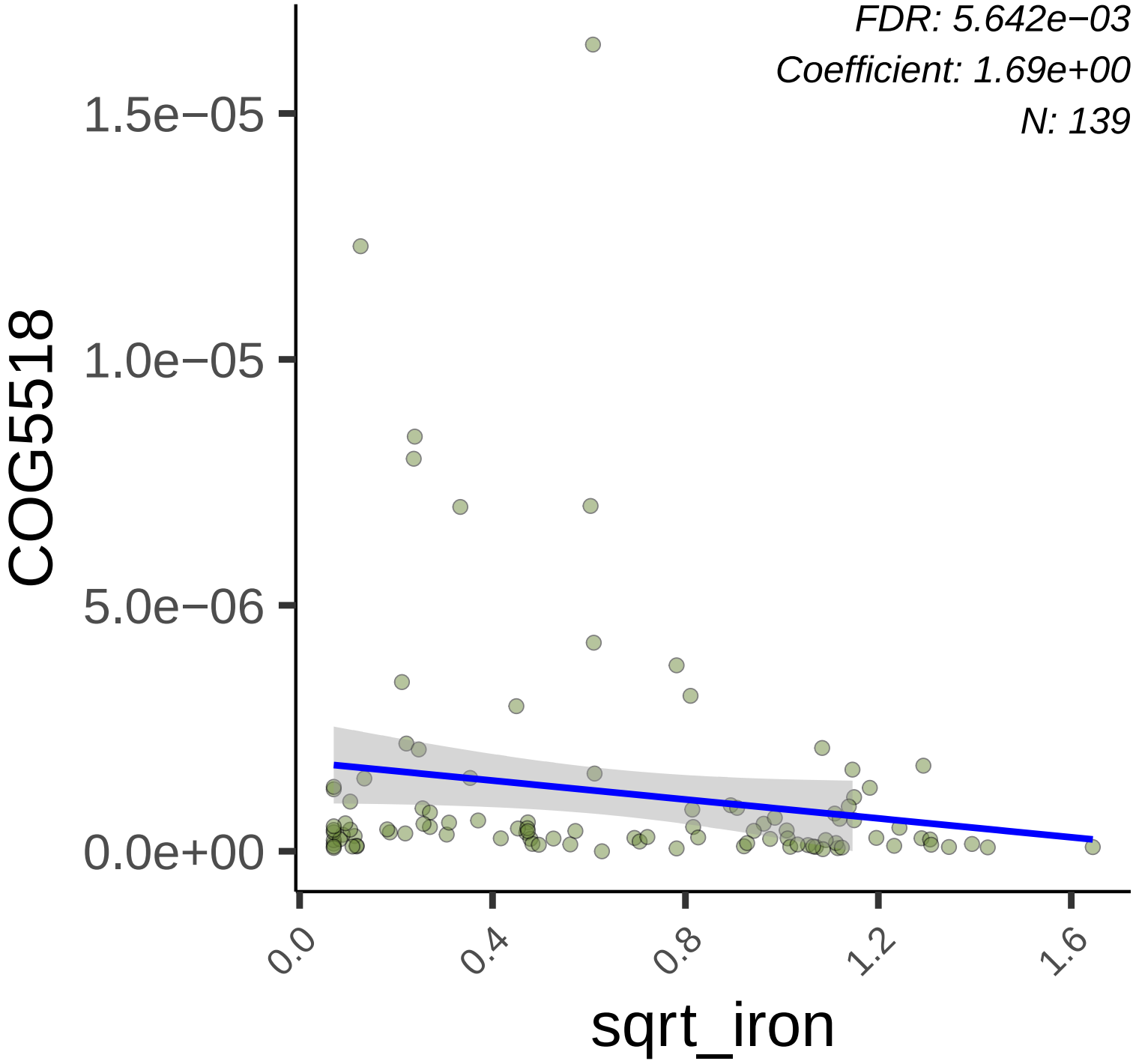
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.642e−03
Coefficient: 1.69e+00
N: 139
COG5518
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5.0e−06
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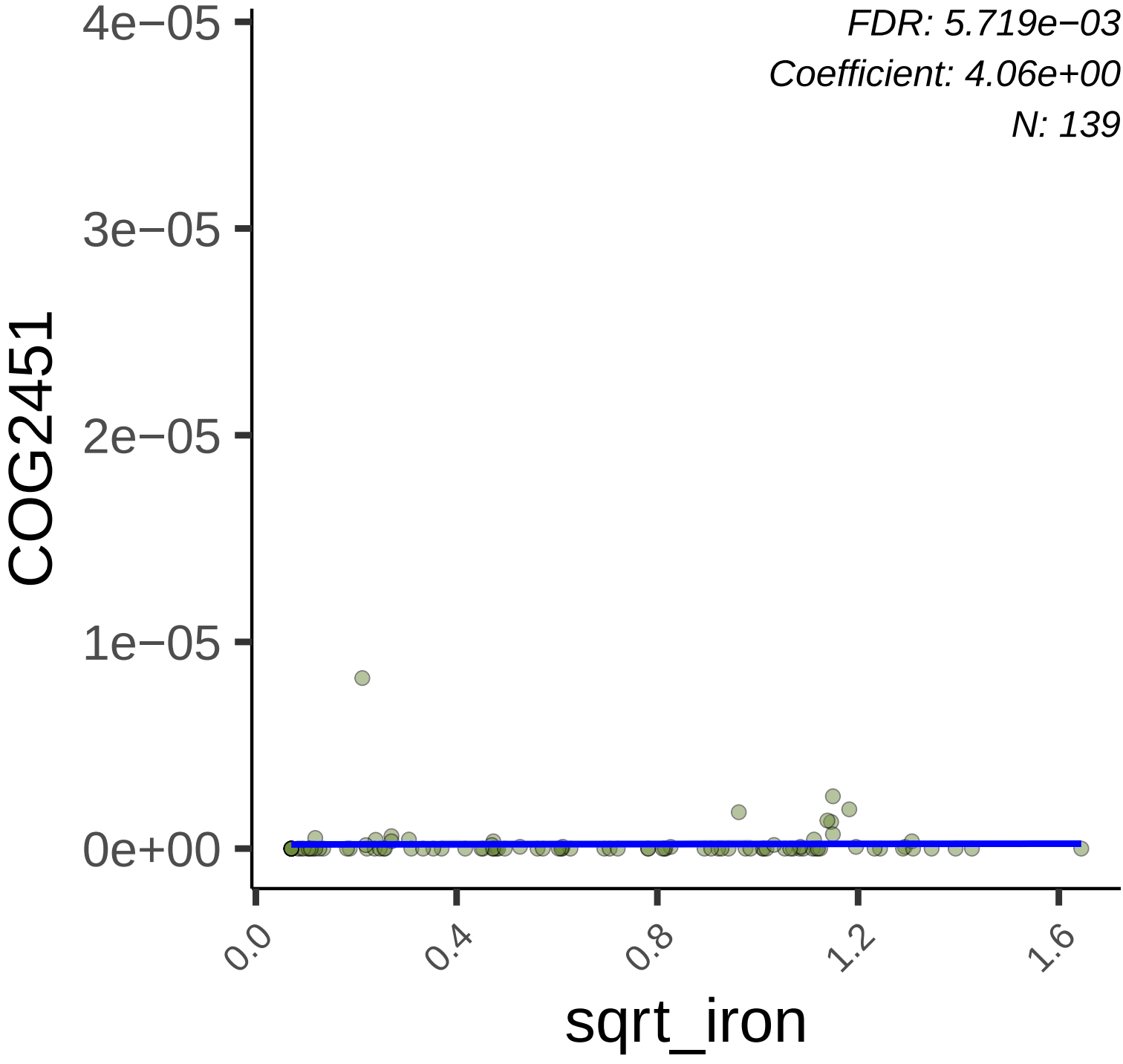
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.719e−03
Coefficient: 4.06e+00
N: 139
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1e−05
0e+00
COG2451
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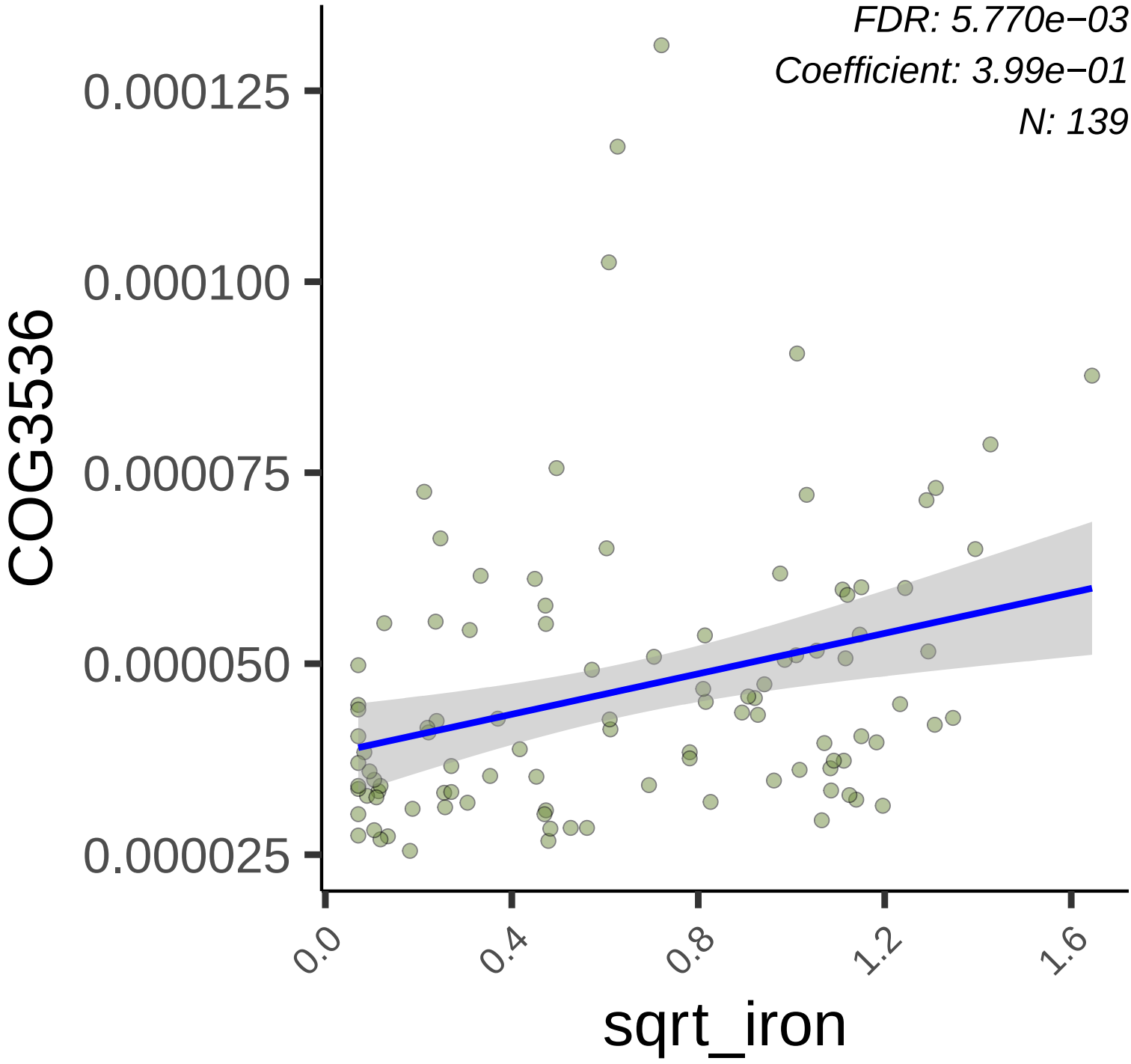
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.770e−03
Coefficient: 3.99e−01
N: 139
COG3536
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0.000075
0.000050
0.000025
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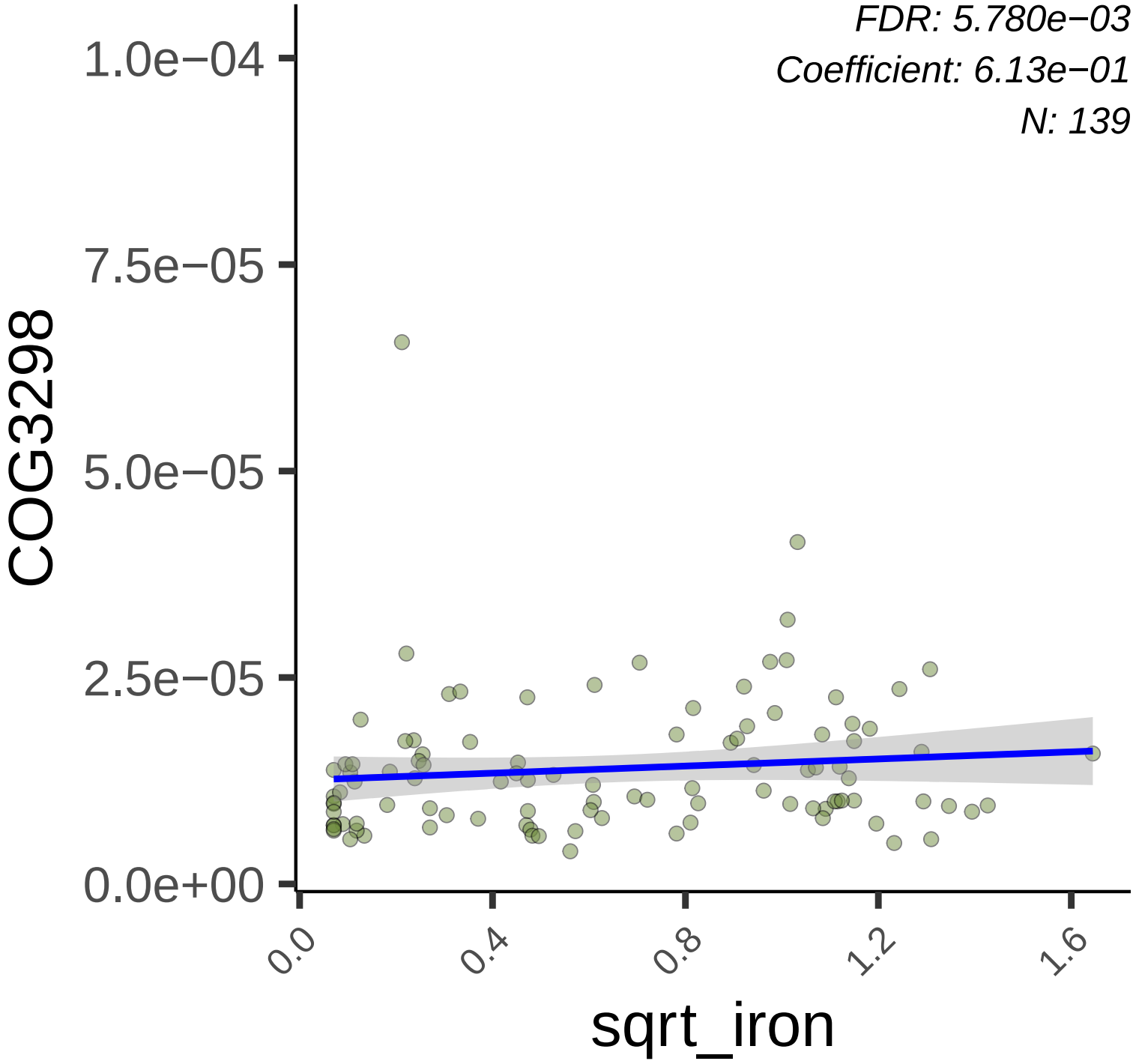
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 5.780e−03
Coefficient: 6.13e−01
N: 139
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7.5e−05
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0.0e+00
COG3298
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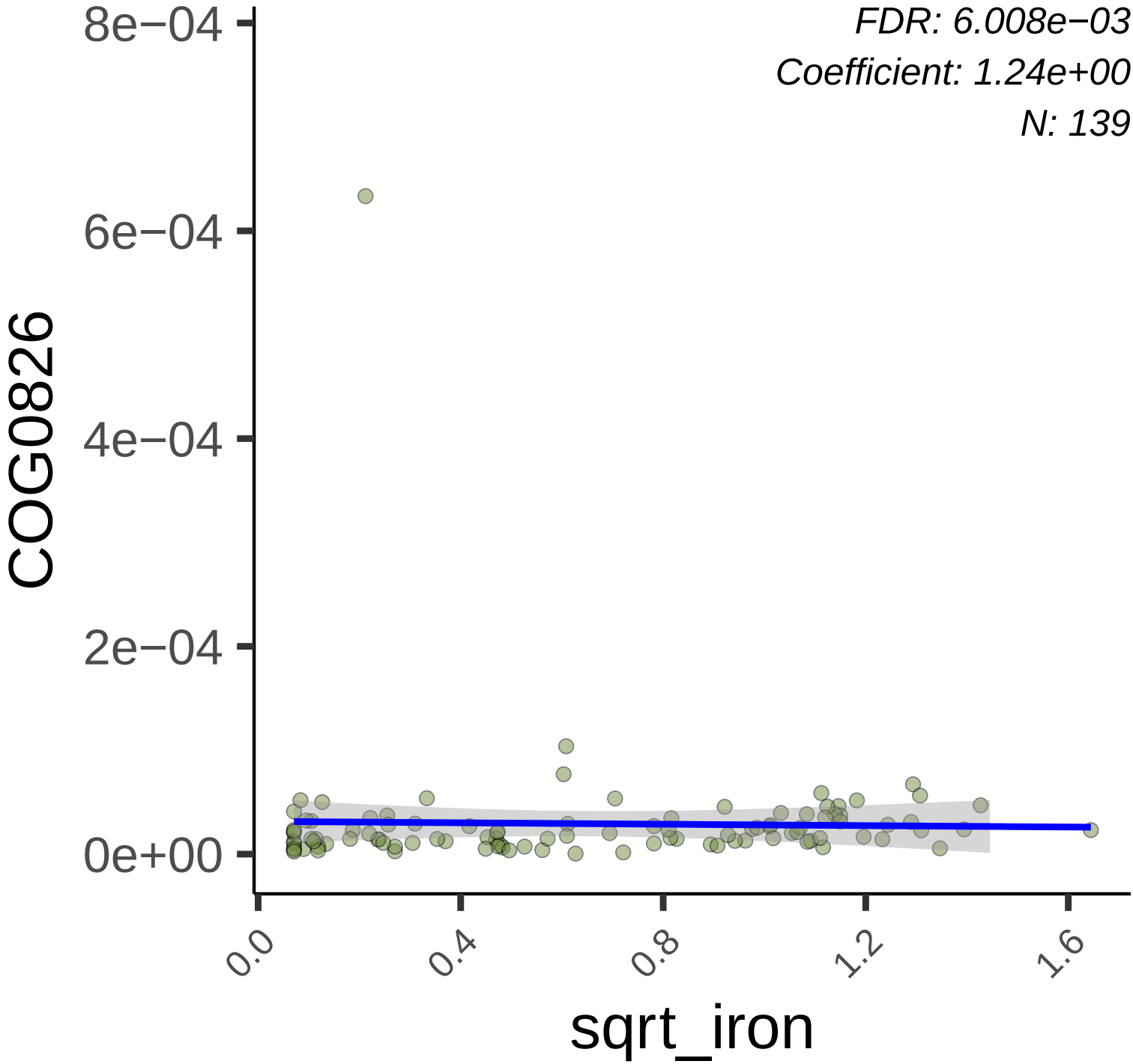
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.008e−03
Coefficient: 1.24e+00
N: 139
COG0826
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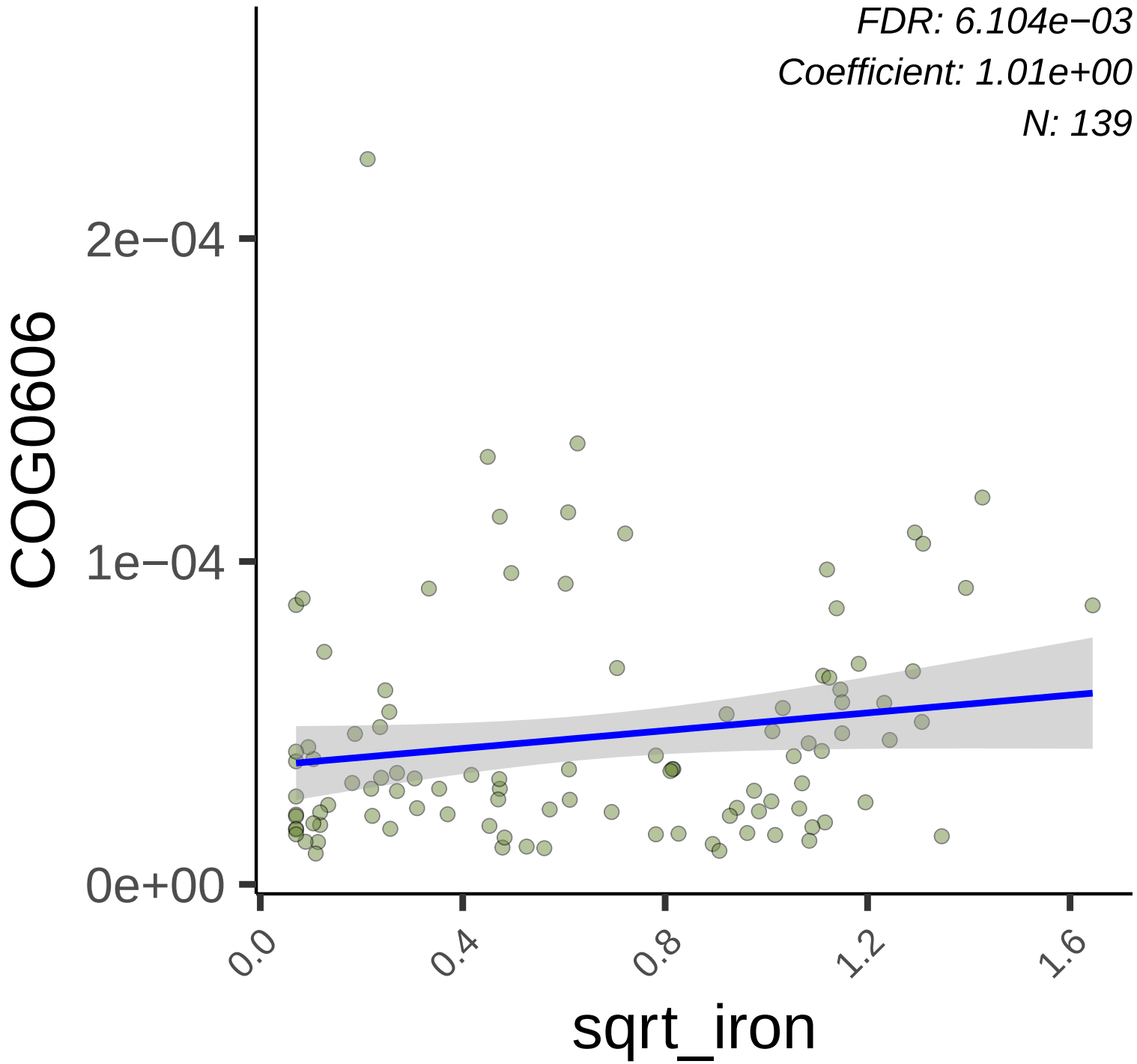
sqrt_iron


FDR: 6.104e−03
Coefficient: 1.01e+00
N: 139
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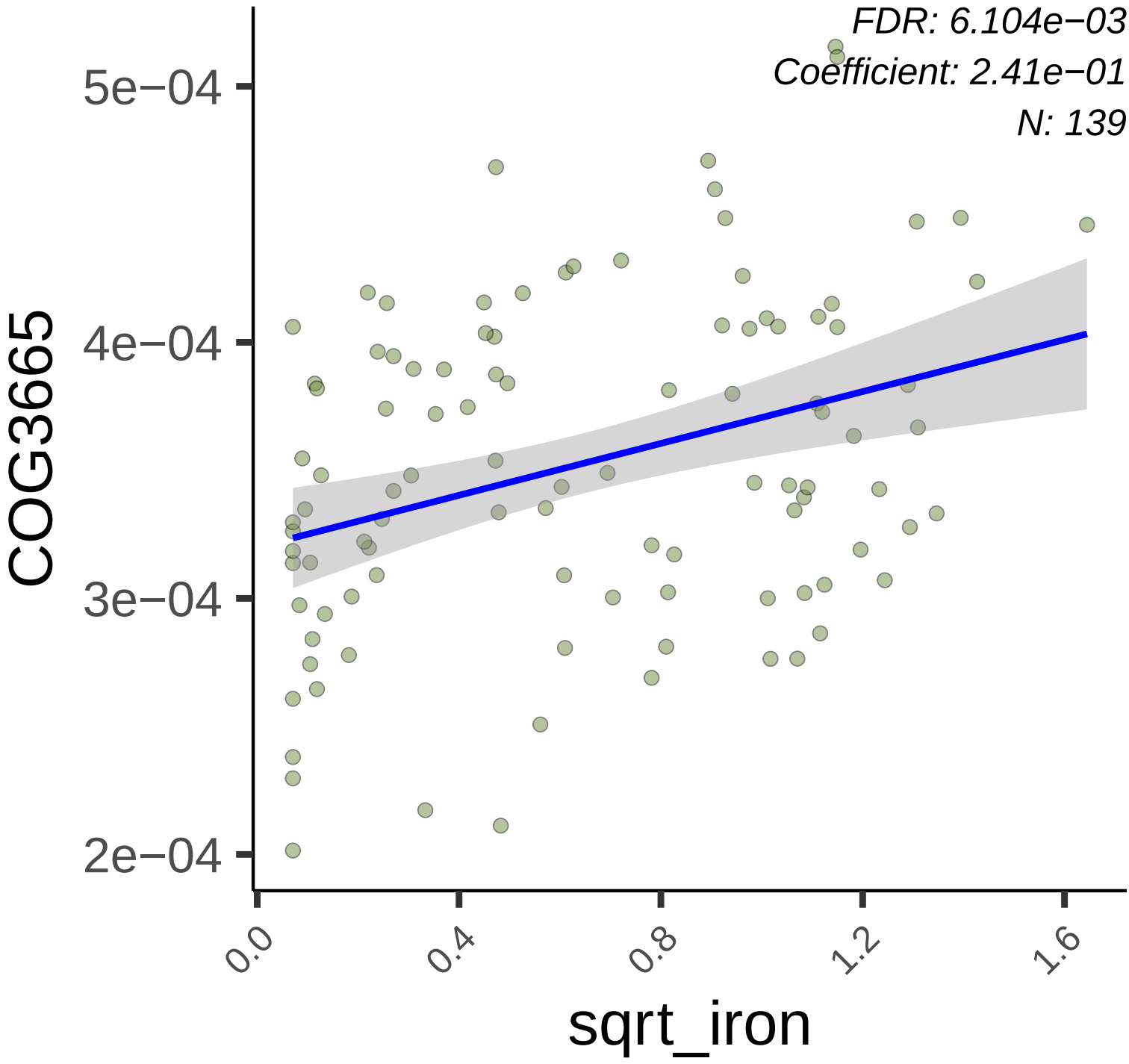
sqrt_iron


FDR: 6.104e−03
Coefficient: 2.41e−01
N: 139
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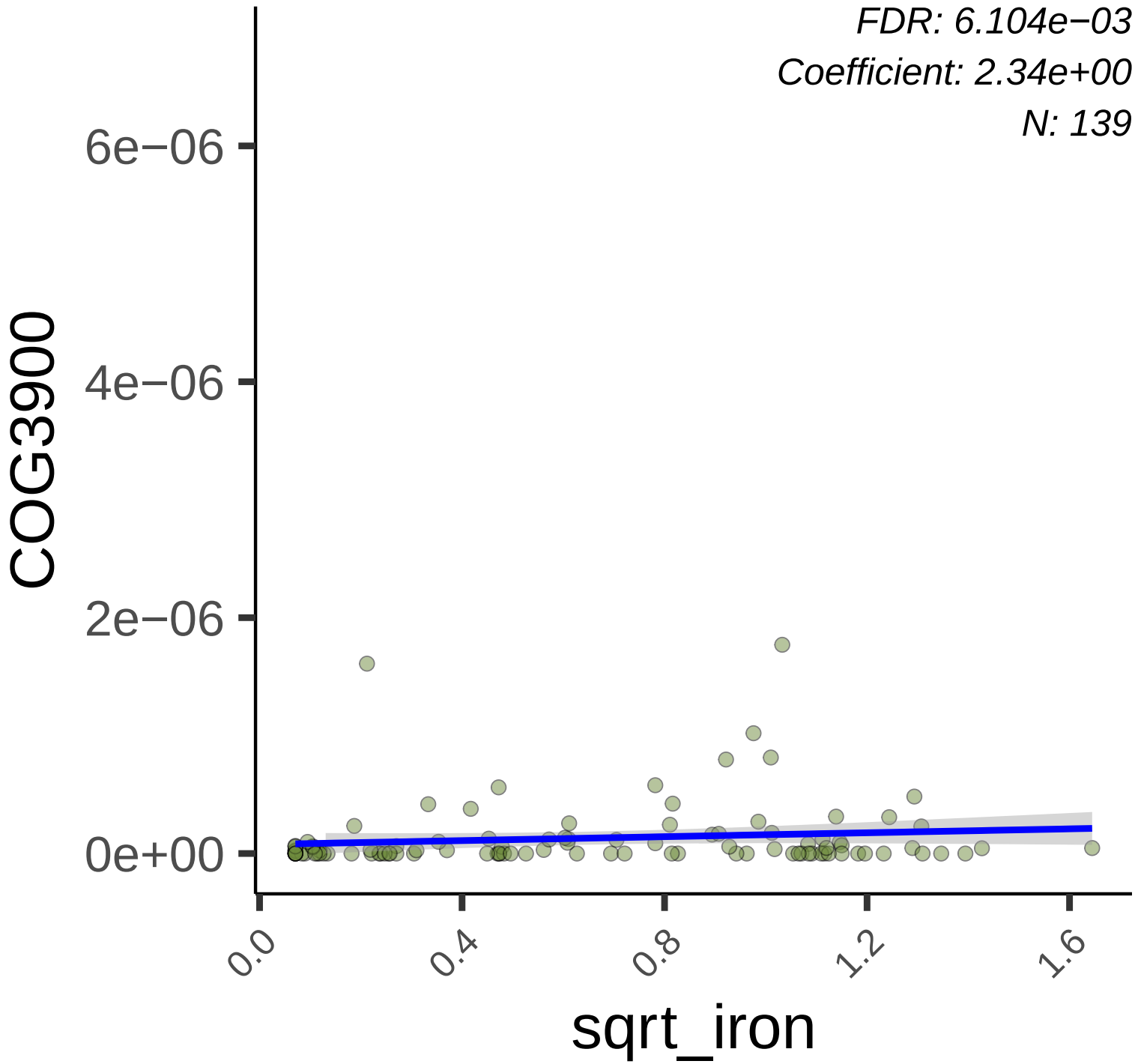
sqrt_iron


FDR: 6.104e−03
Coefficient: 2.34e+00
N: 139
COG3900
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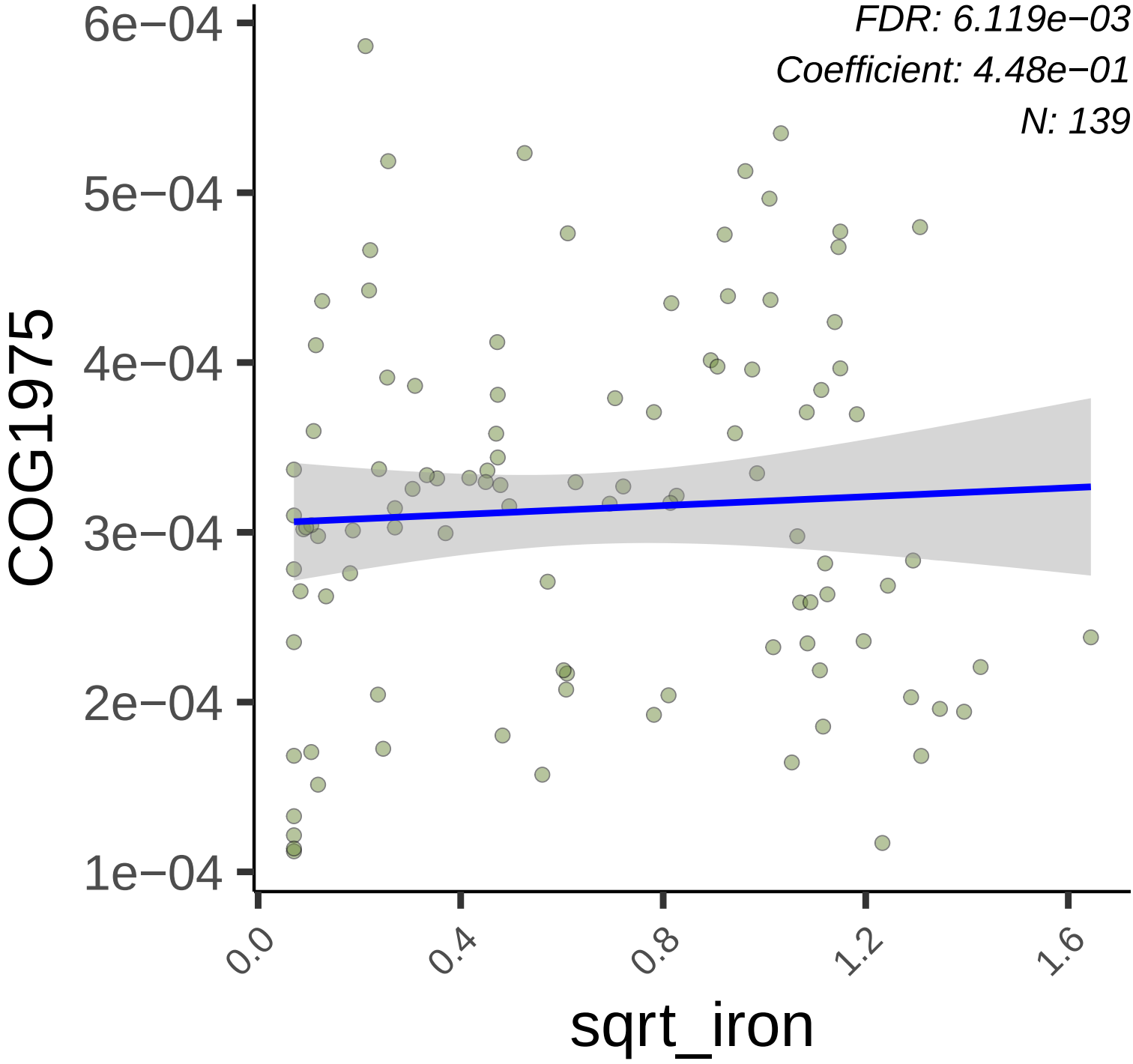
1.6
sqrt_iron


FDR: 6.119e−03
Coefficient: 4.48e−01
N: 139
COG1975
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5e−04
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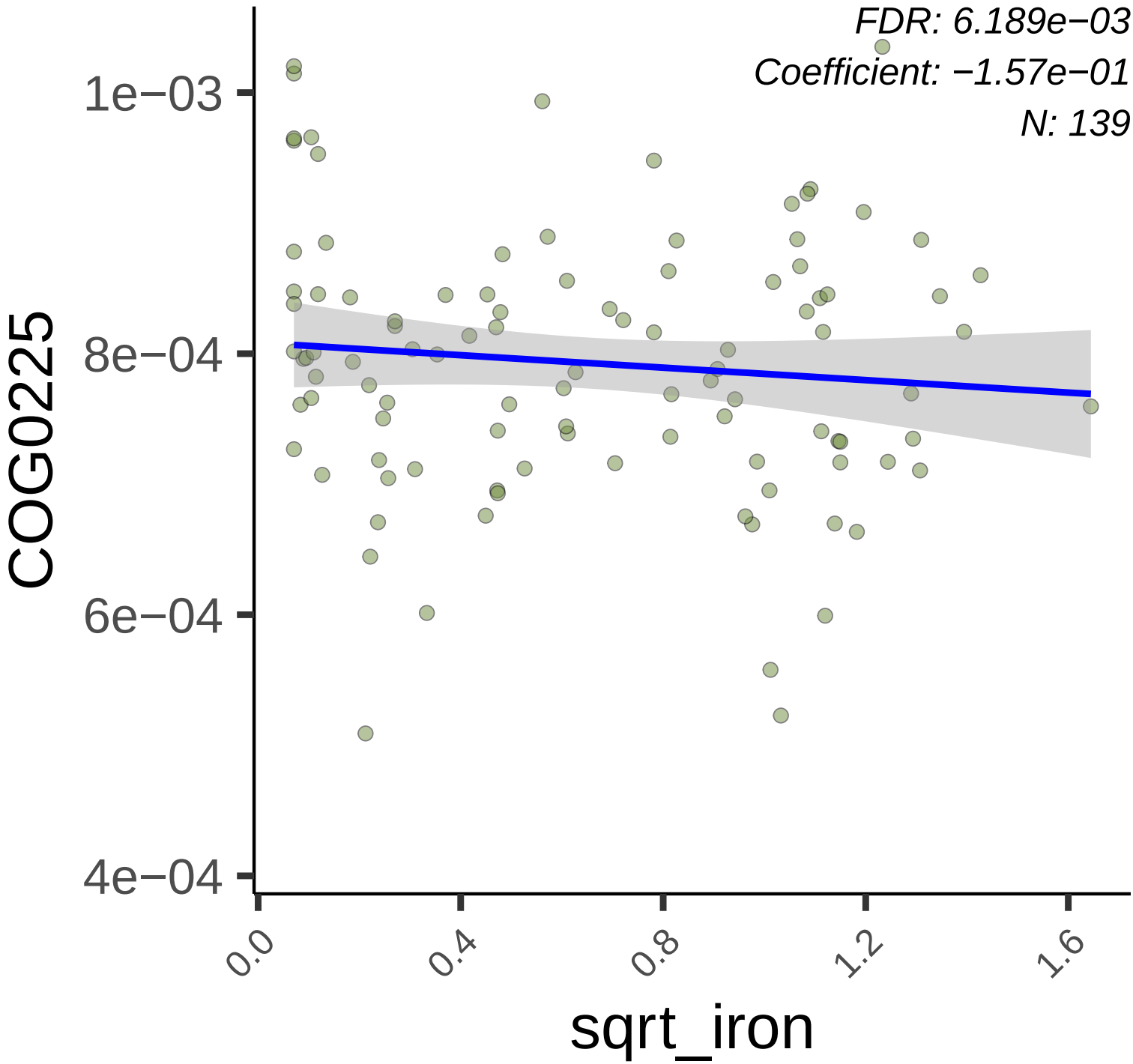
1.6
sqrt_iron


FDR: 6.189e−03
Coefficient: −1.57e−01
N: 139
1e−03
8e−04
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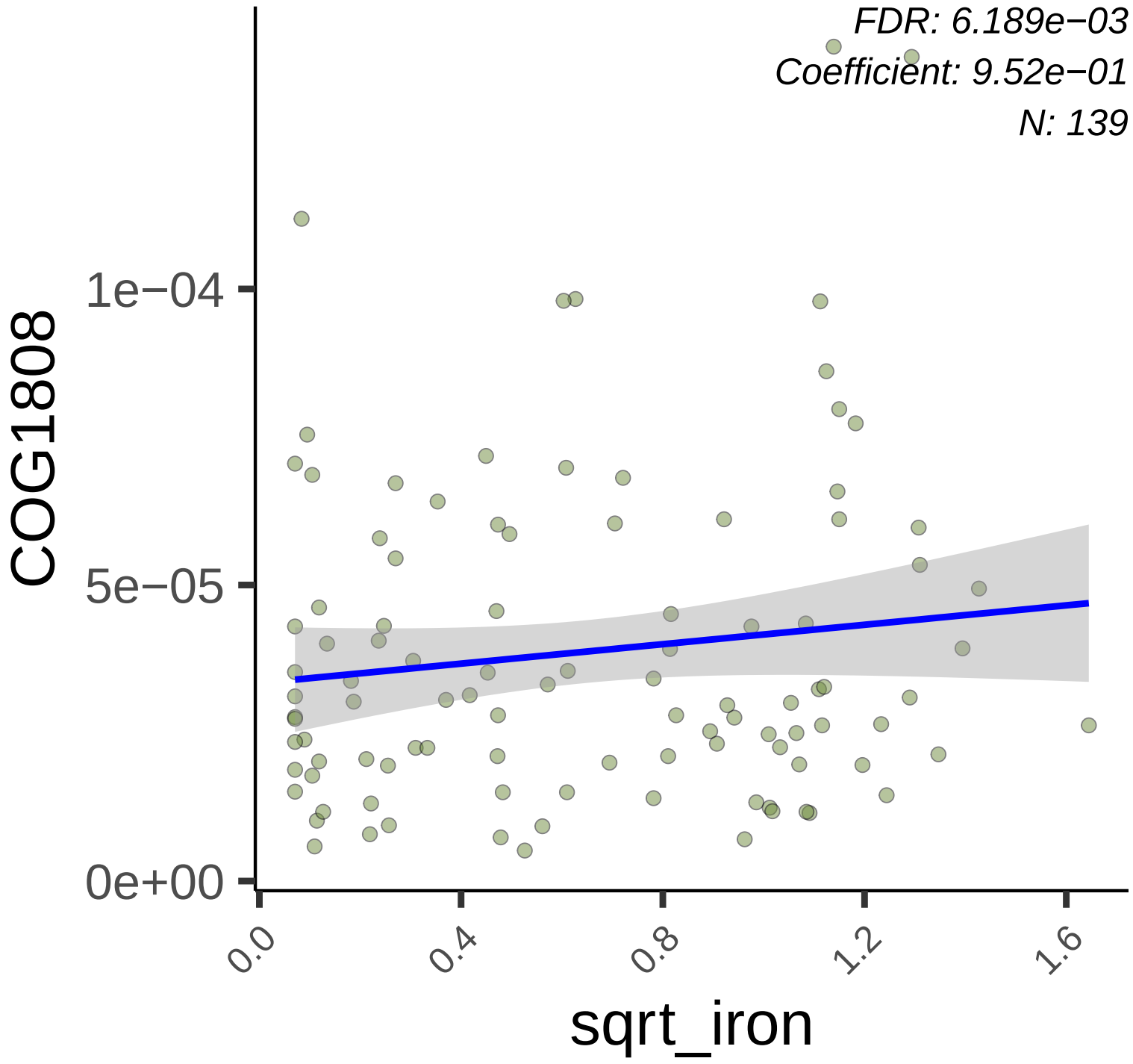
sqrt_iron


FDR: 6.189e−03
Coefficient: 9.52e−01
N: 139
COG1808
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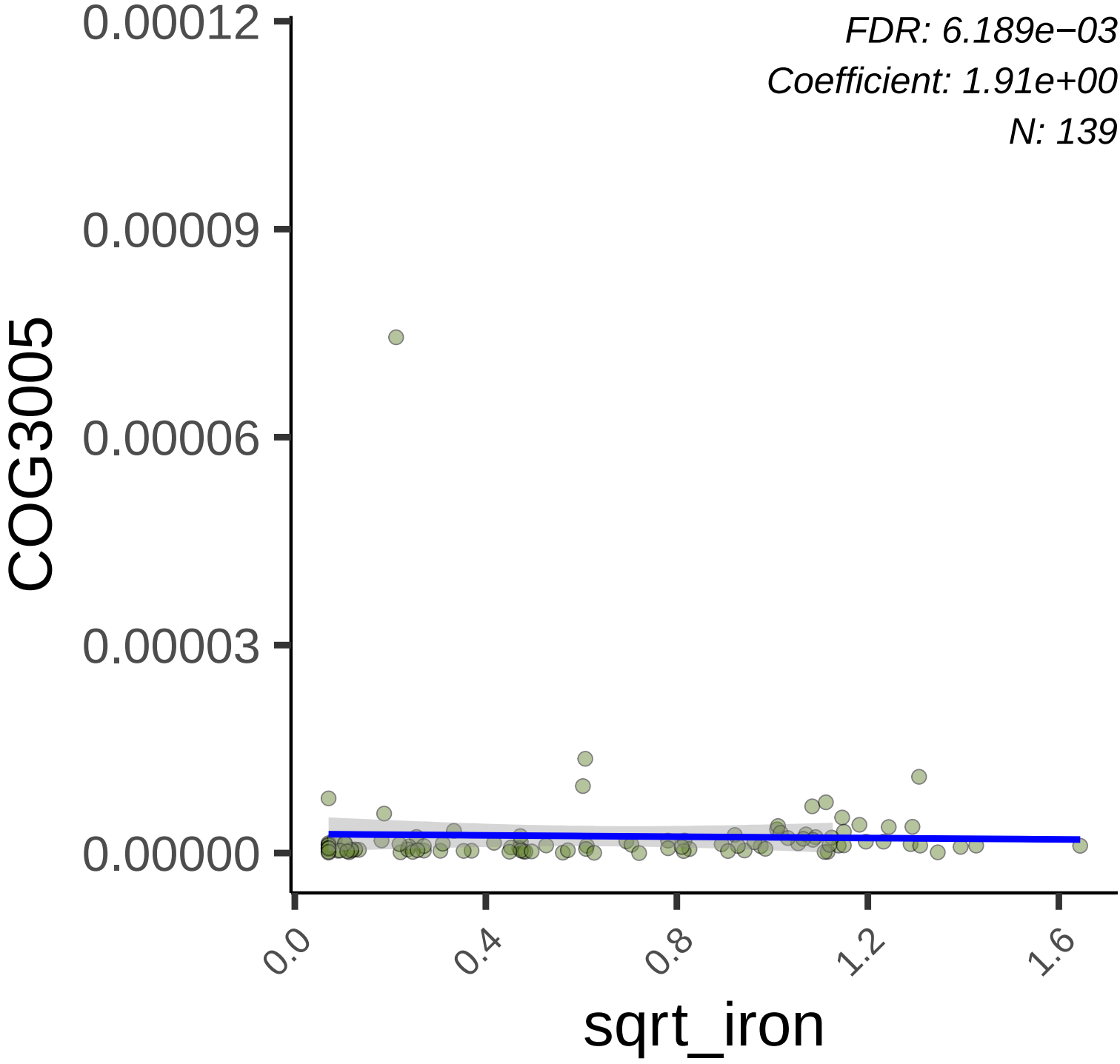
1.2
1.6
sqrt_iron


FDR: 6.189e−03
Coefficient: 1.91e+00
N: 139
COG3005
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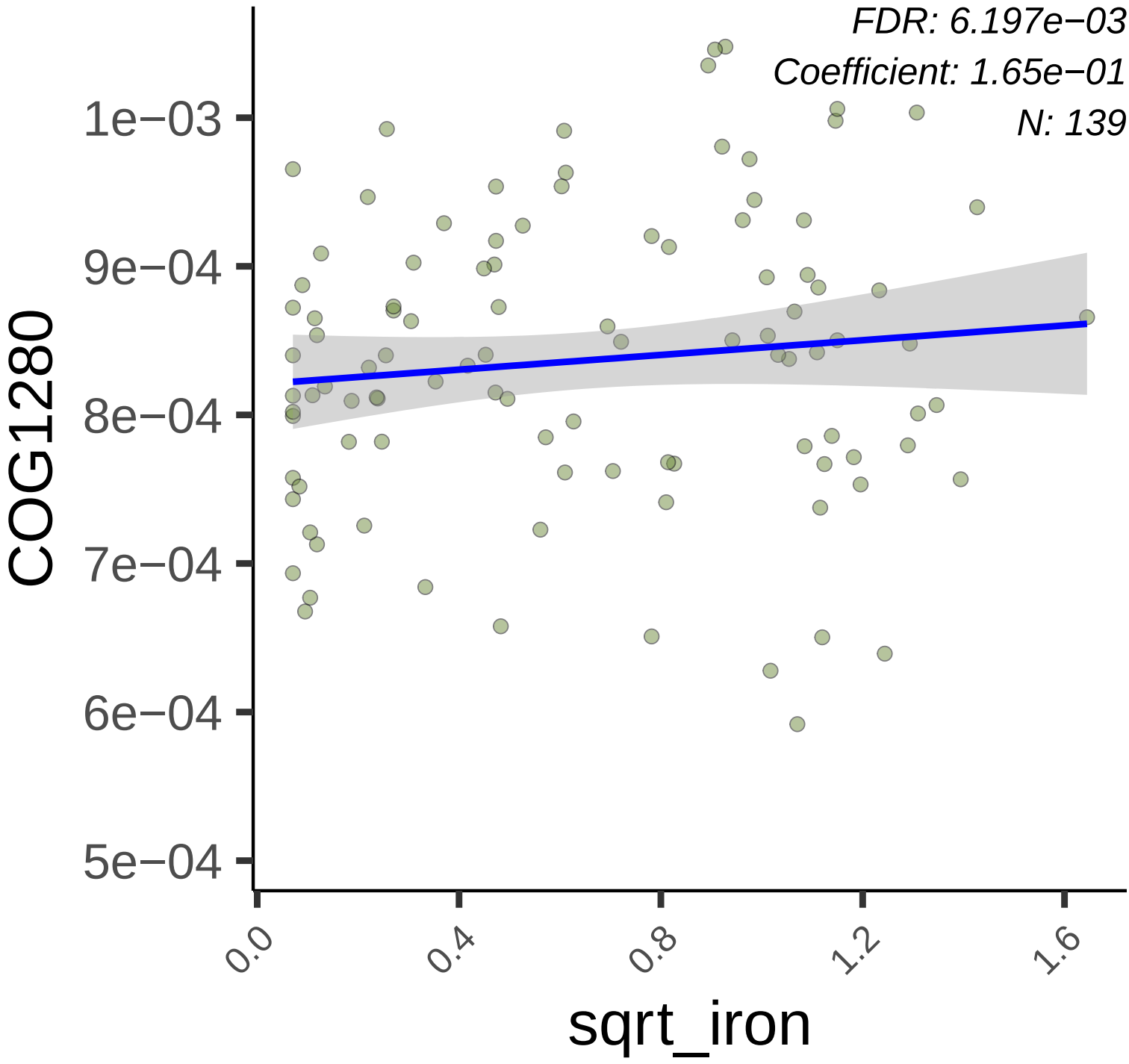
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.197e−03
Coefficient: 1.65e−01
N: 139
COG1280
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9e−04
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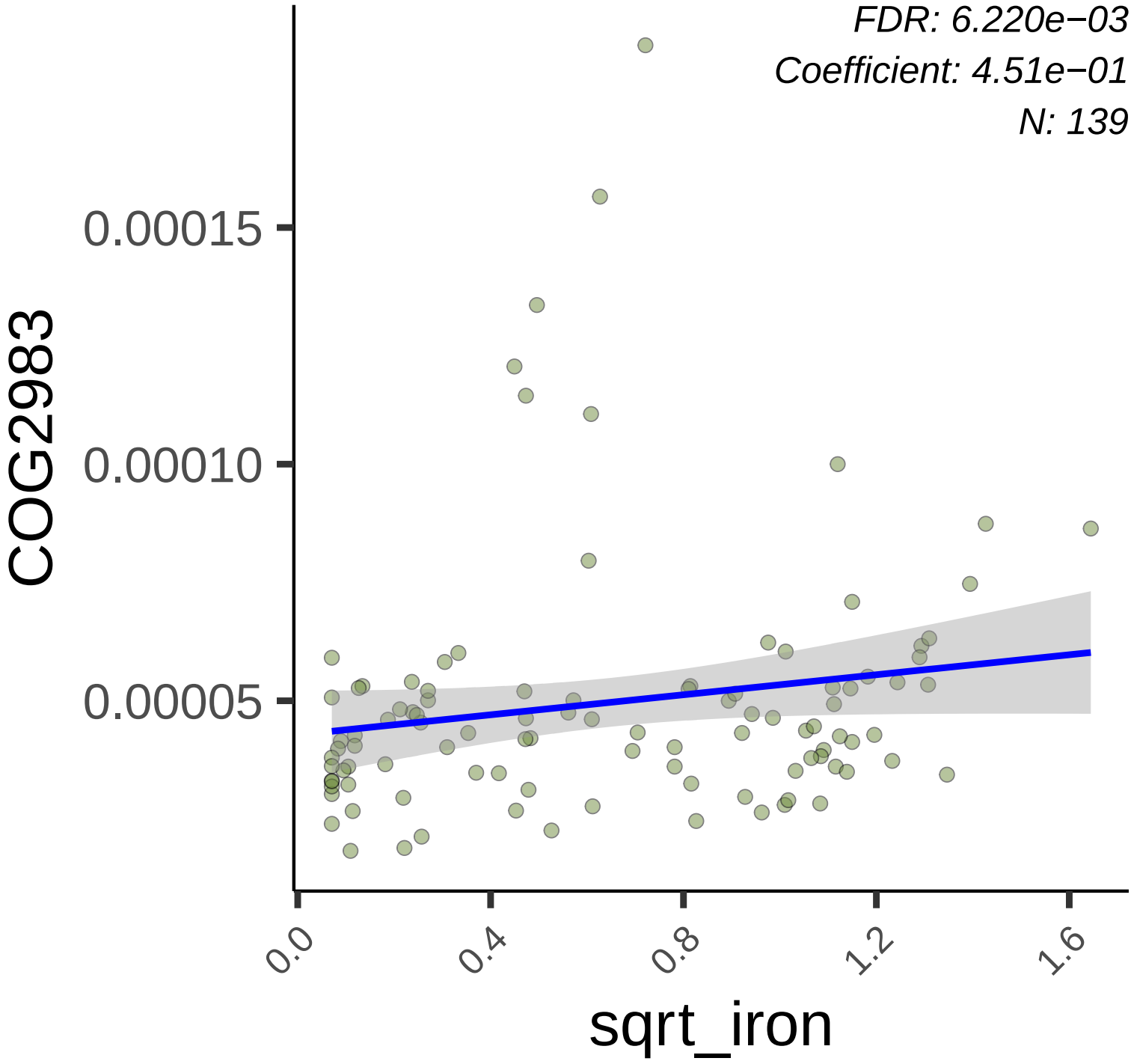
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.220e−03
Coefficient: 4.51e−01
N: 139
COG2983
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0.00005
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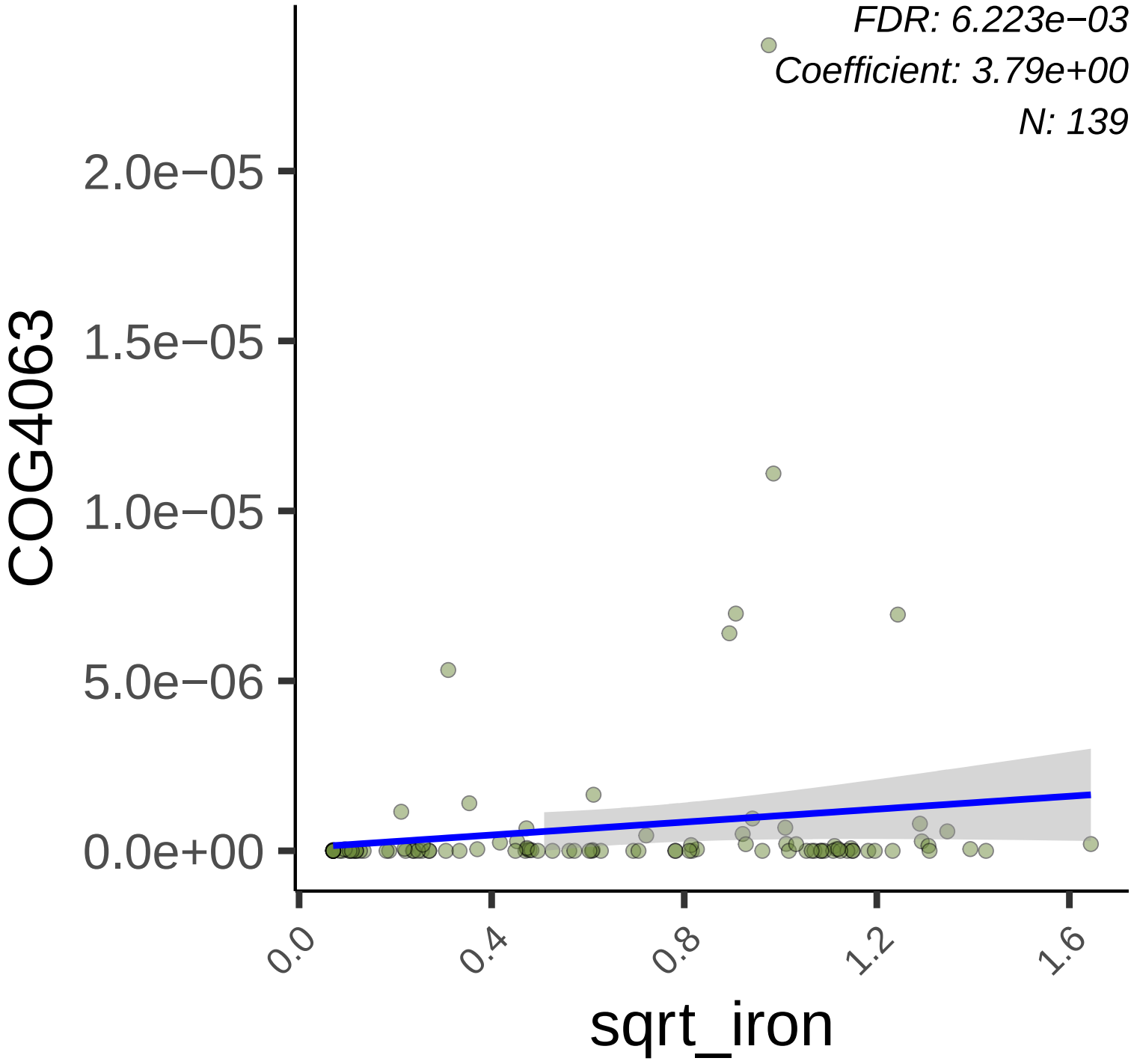
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.223e−03
Coefficient: 3.79e+00
N: 139
COG4063
2.0e−05
1.5e−05
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5.0e−06
0.0e+00
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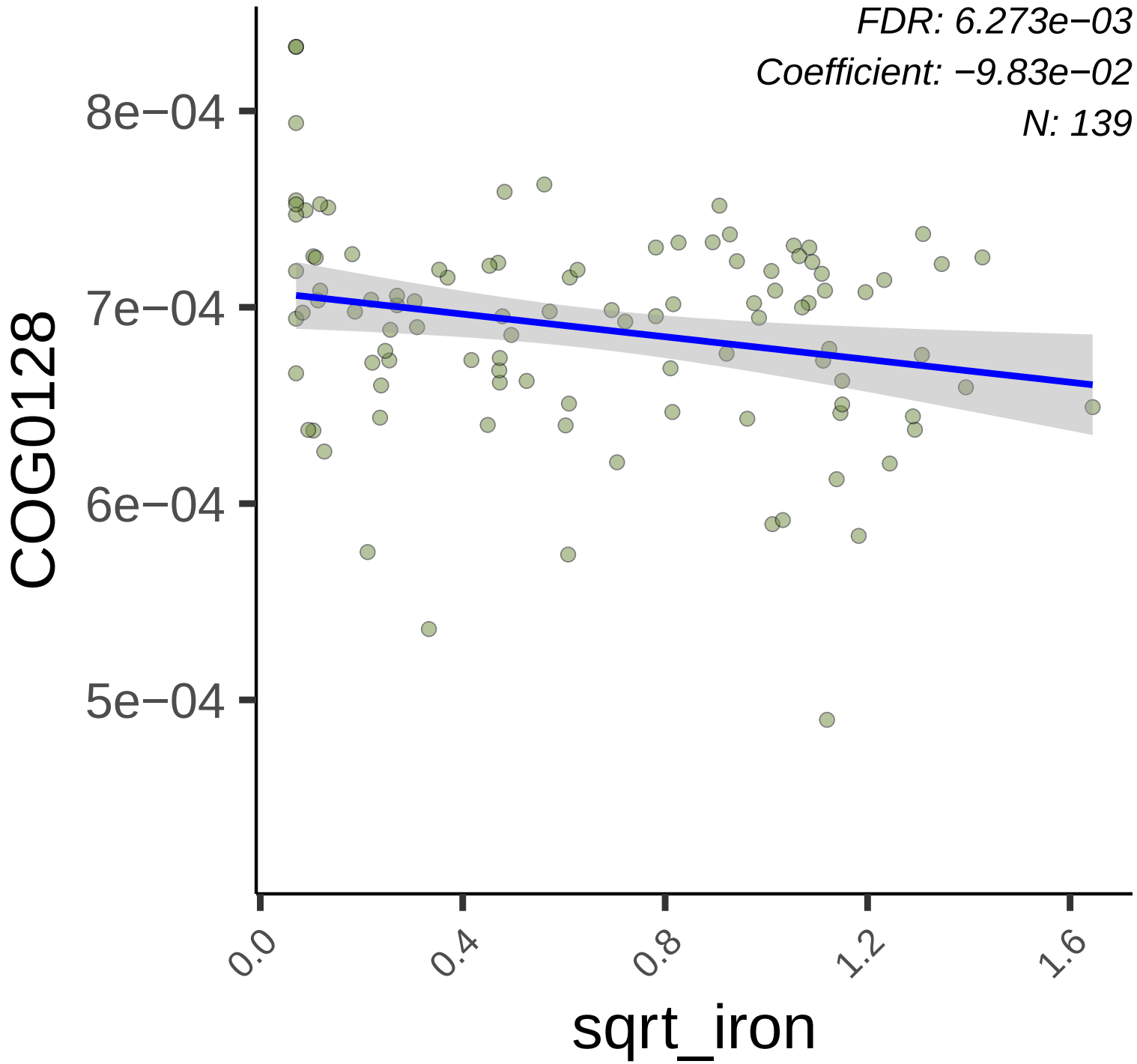
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.273e−03
Coefficient: −9.83e−02
N: 139
8e−04
7e−04
6e−04
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COG0128
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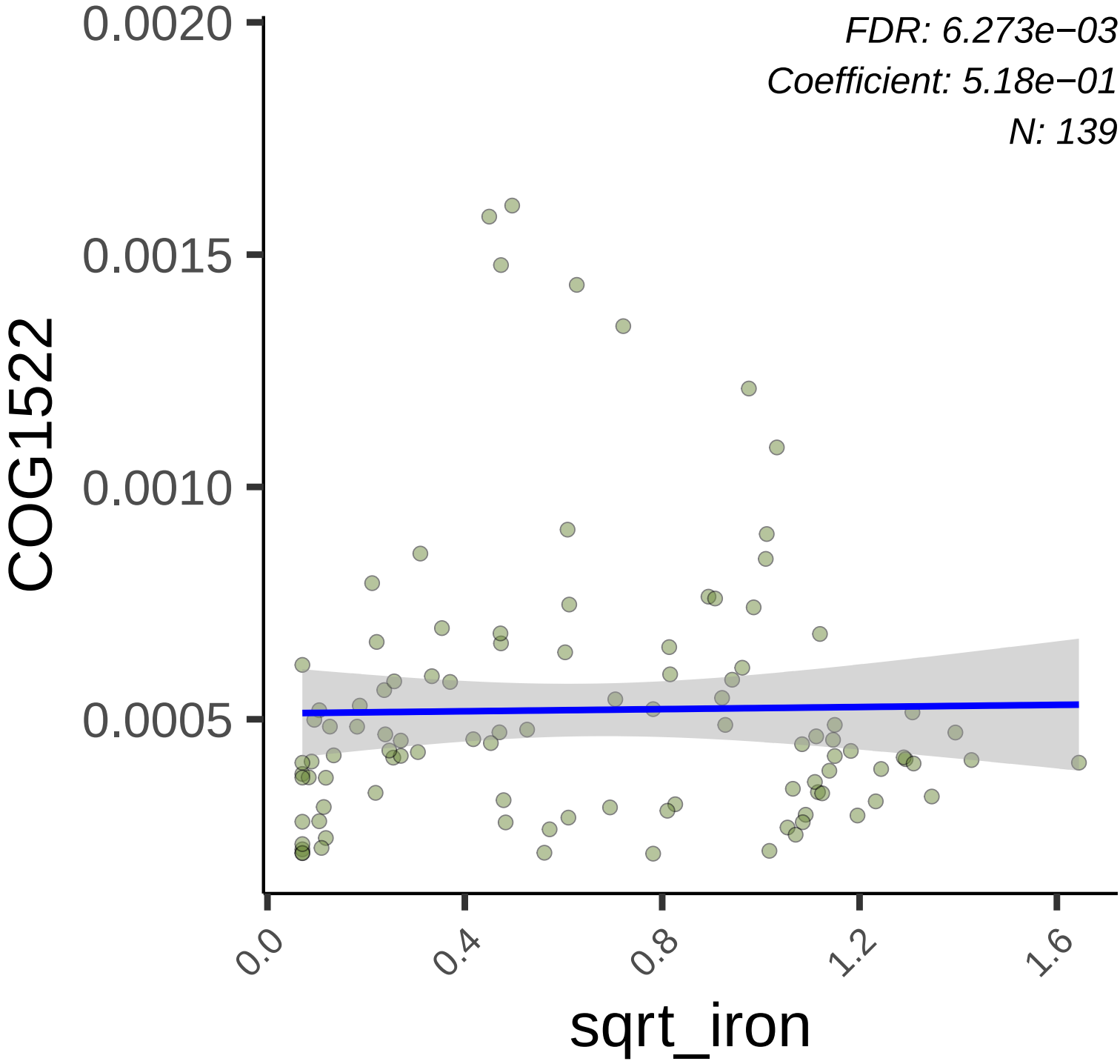
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.273e−03
Coefficient: 5.18e−01
N: 139
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0.0005
COG1522
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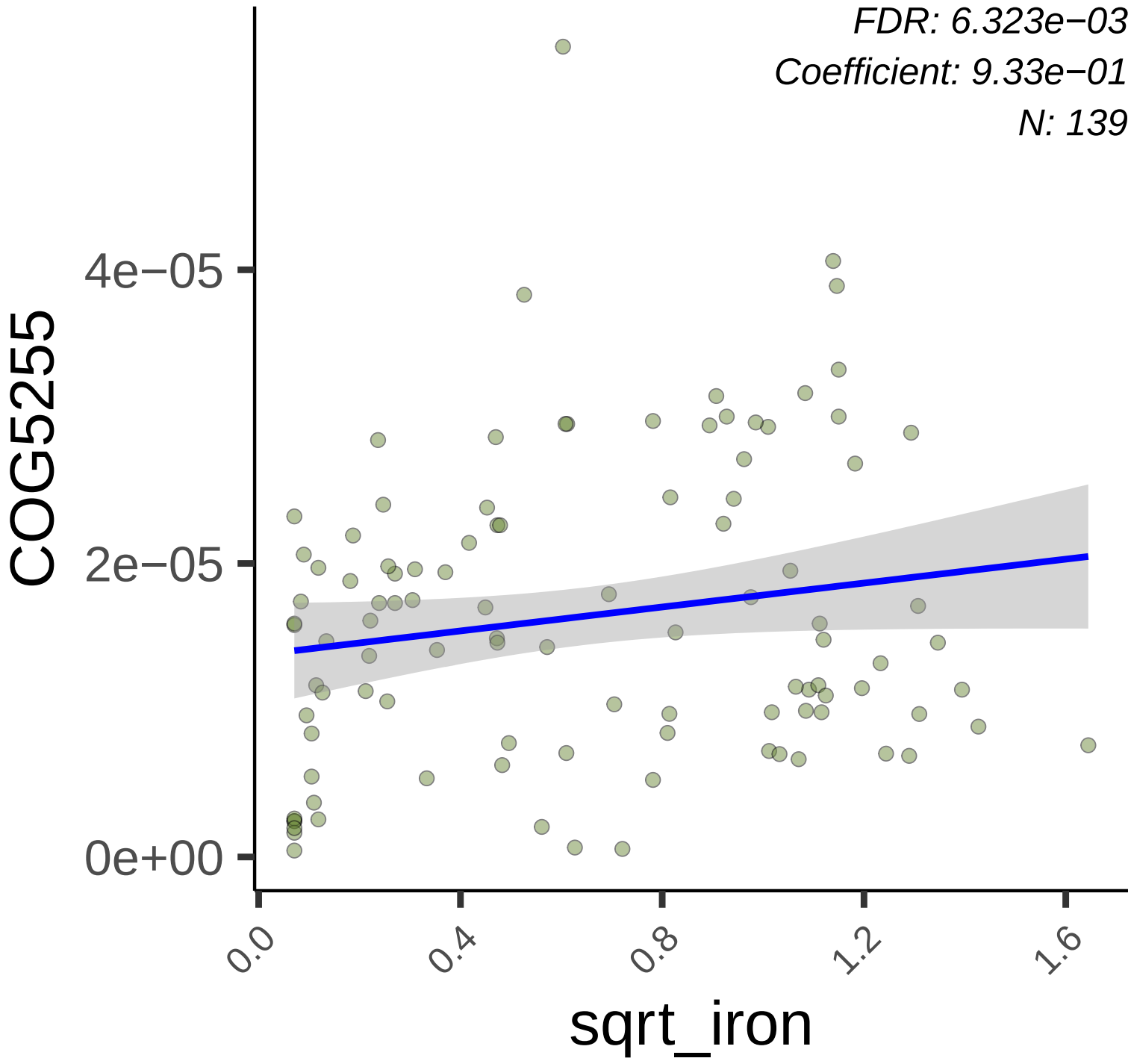
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.323e−03
Coefficient: 9.33e−01
N: 139
COG5255
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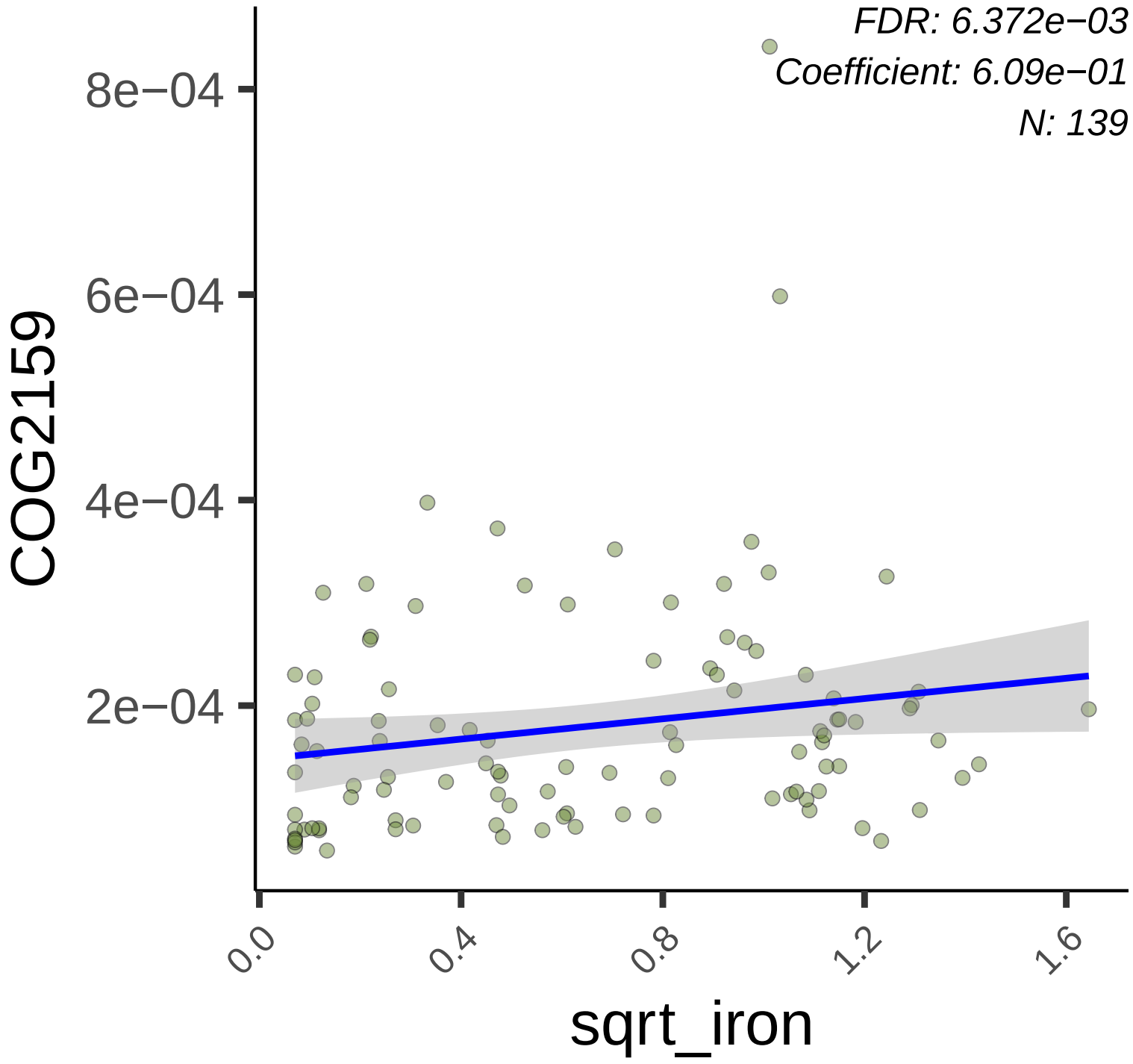
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.372e−03
Coefficient: 6.09e−01
N: 139
COG2159
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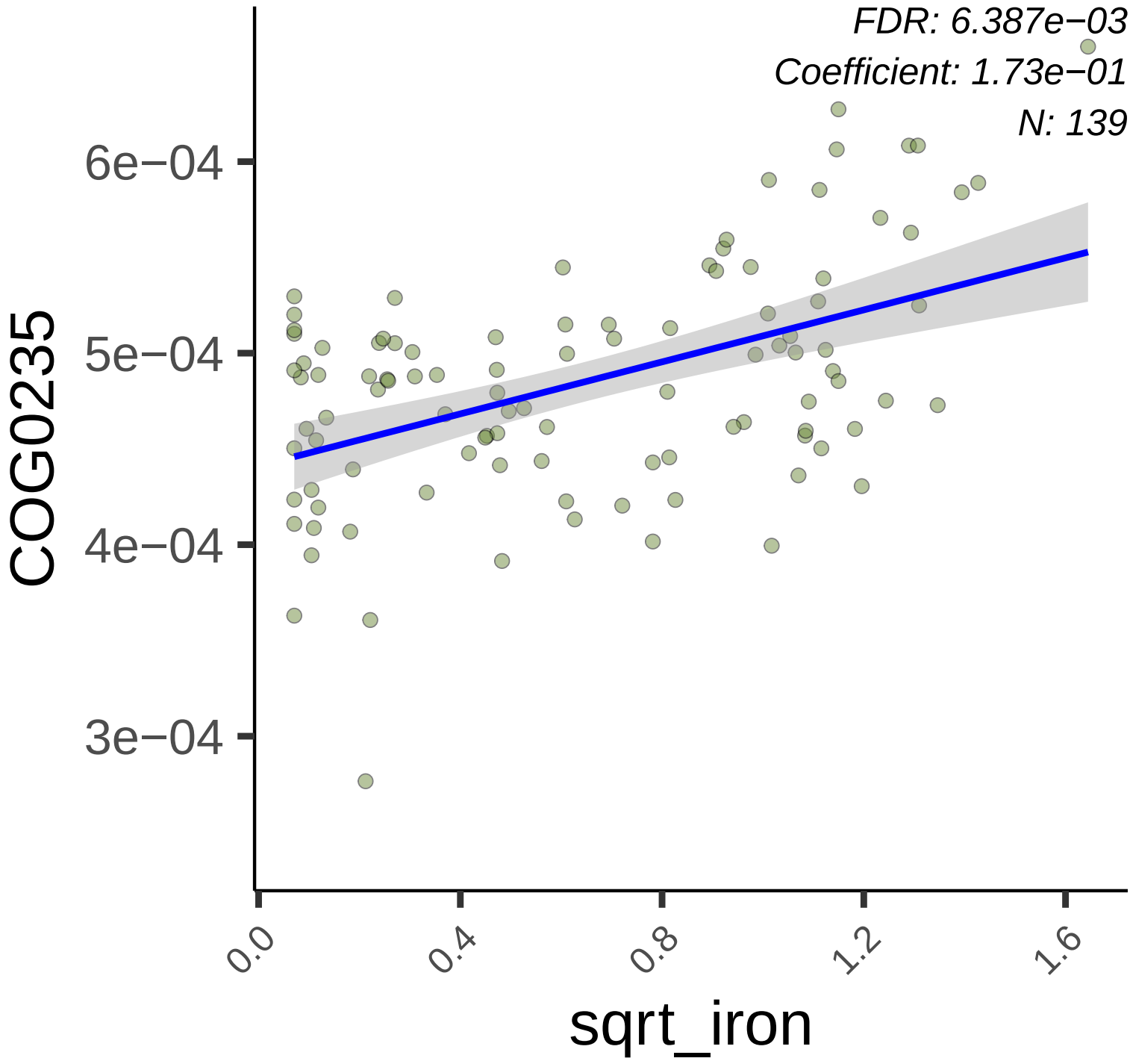
6e−04
4e−04
2e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.387e−03
Coefficient: 1.73e−01
N: 139
COG0235
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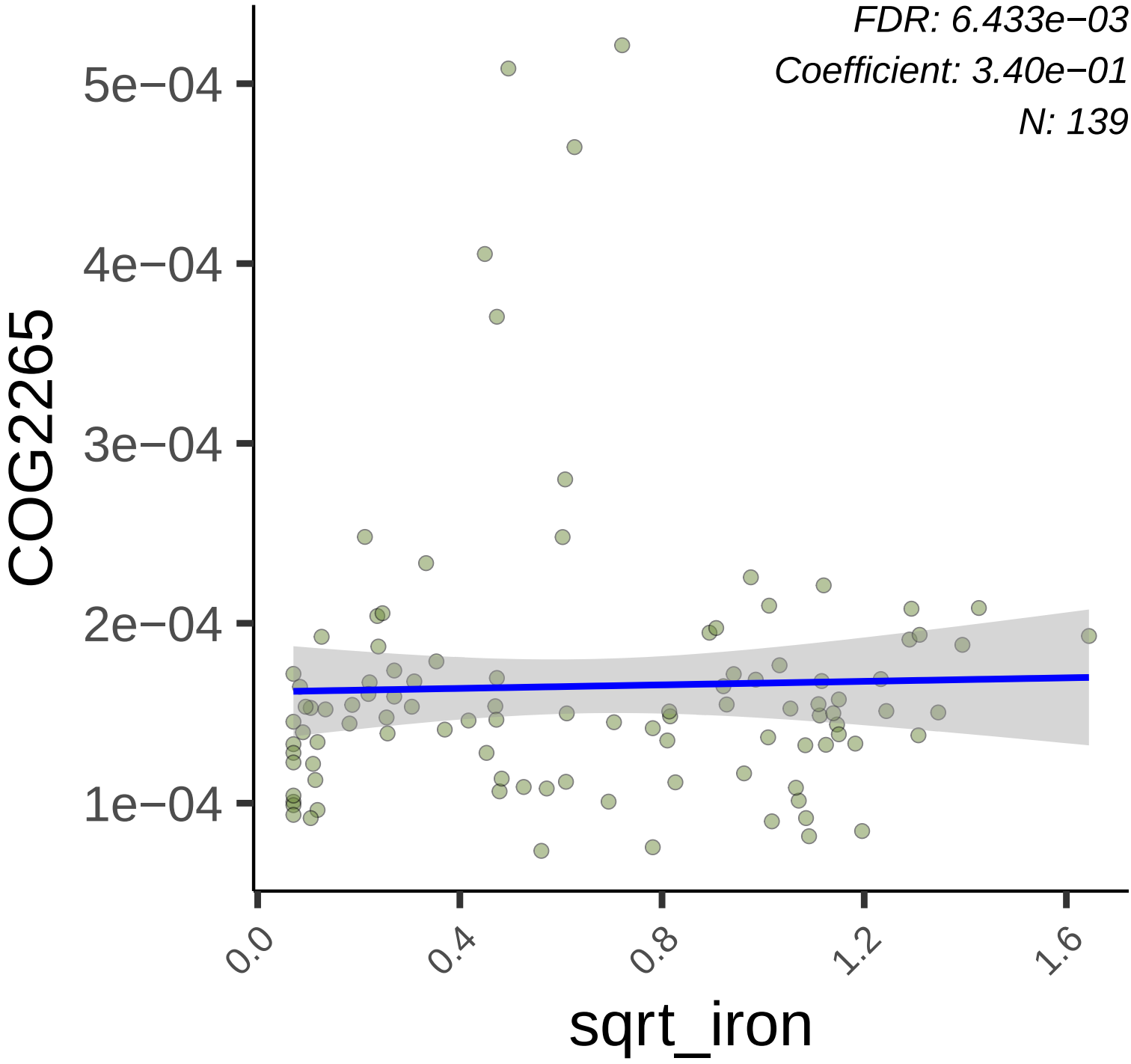
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.433e−03
Coefficient: 3.40e−01
N: 139
COG2265
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4e−04
3e−04
2e−04
1e−04
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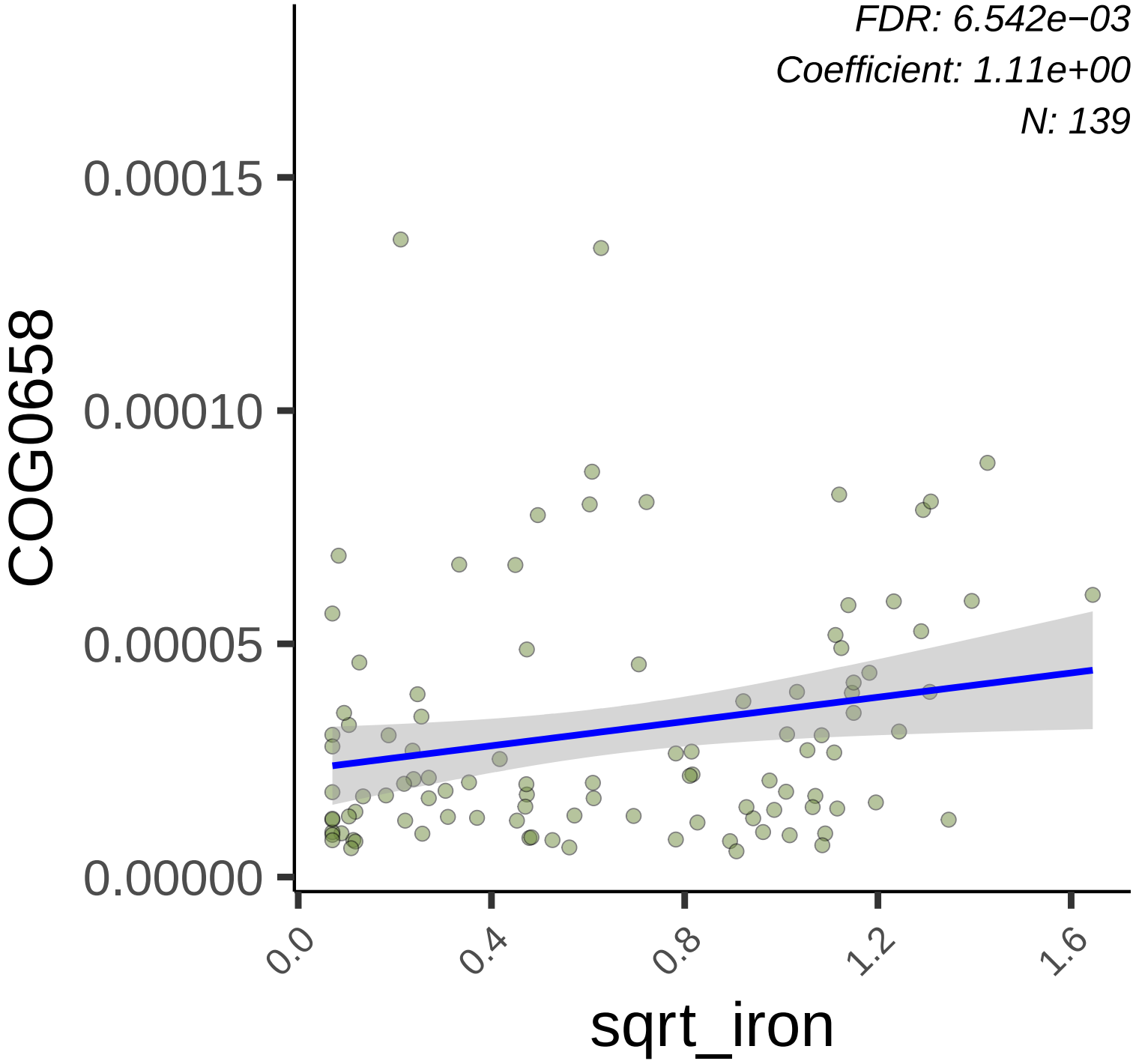
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.542e−03
Coefficient: 1.11e+00
N: 139
COG0658
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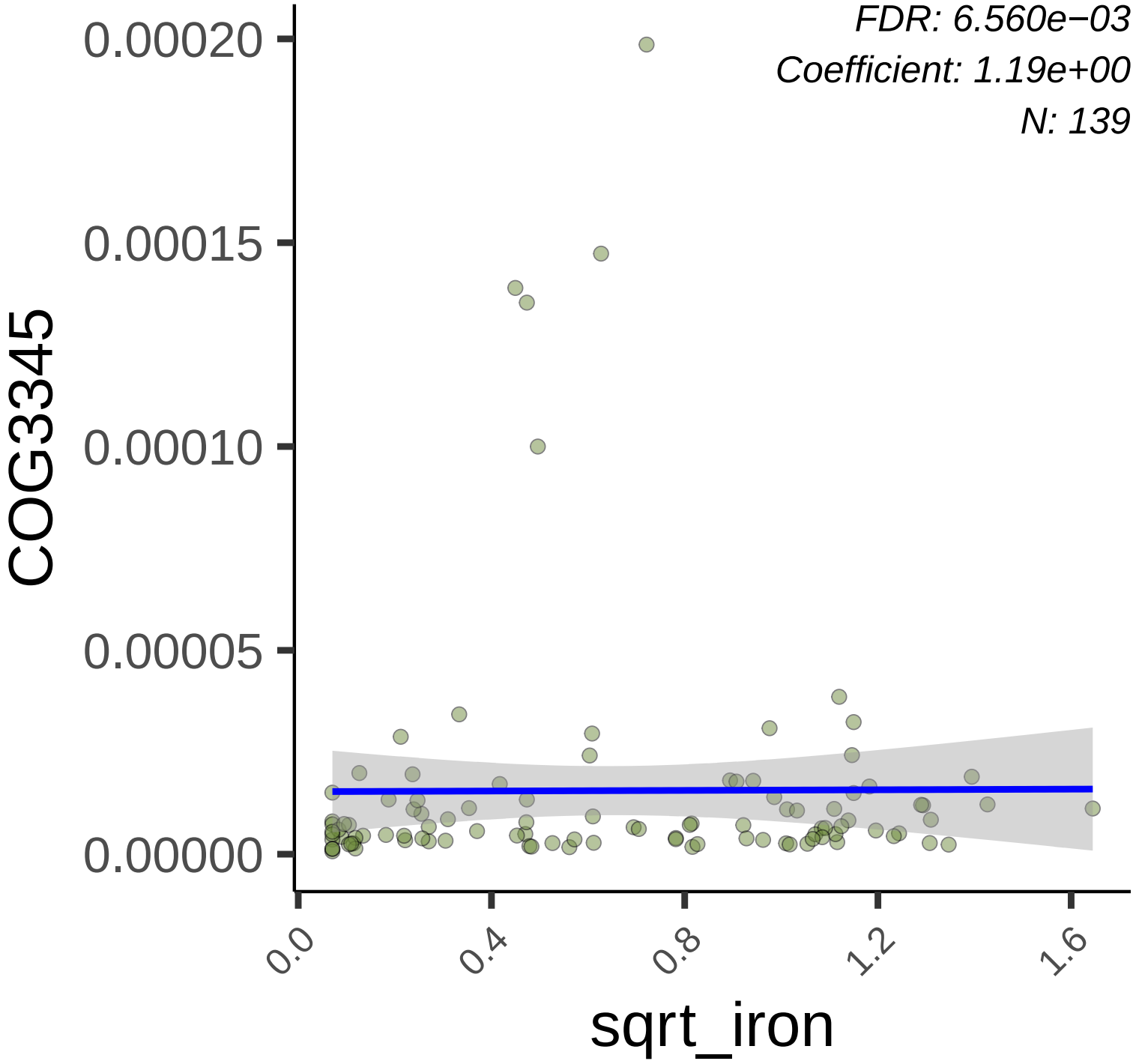
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.560e−03
Coefficient: 1.19e+00
N: 139
COG3345
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0.00010
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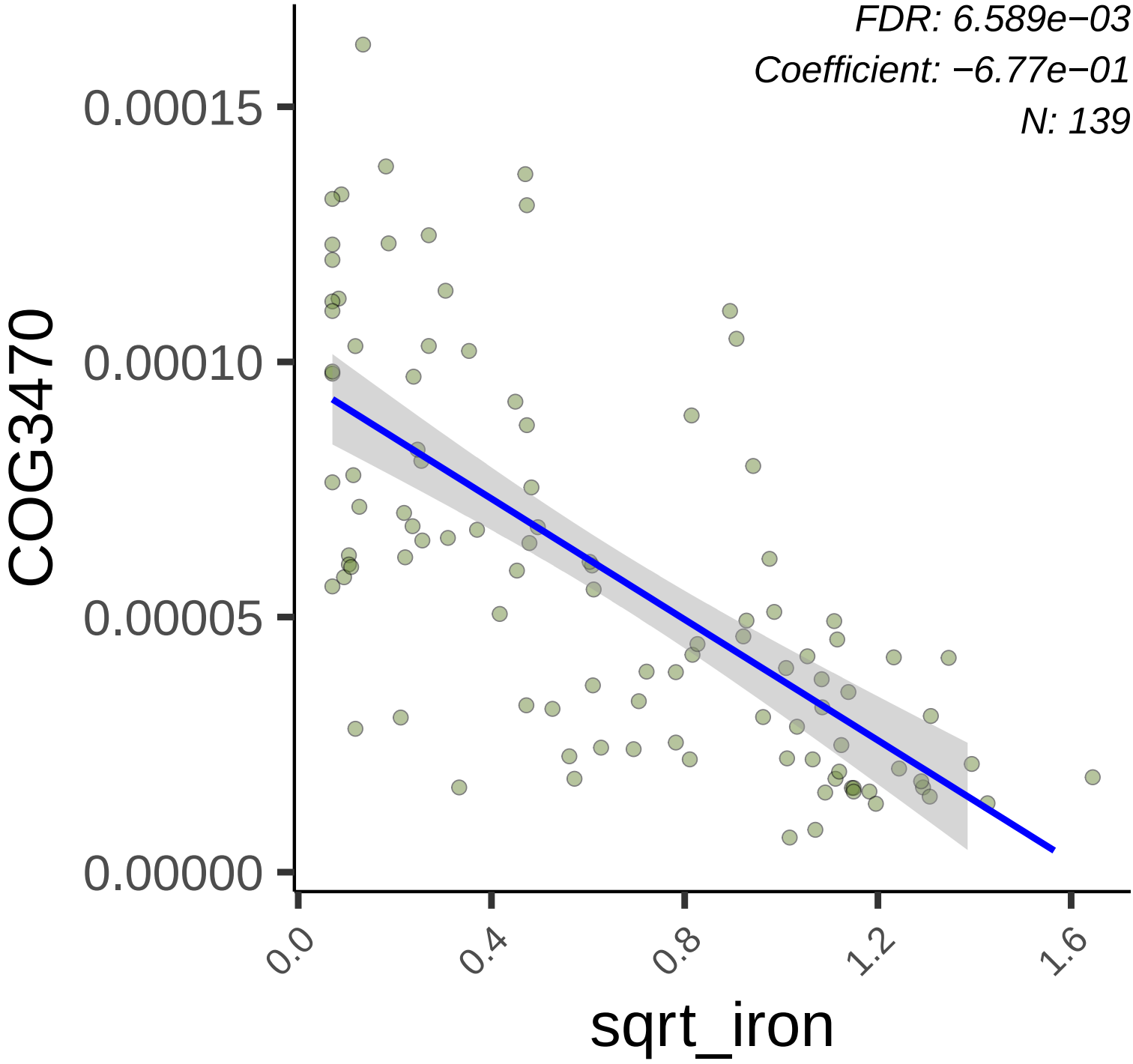
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.589e−03
Coefficient: −6.77e−01
N: 139
COG3470
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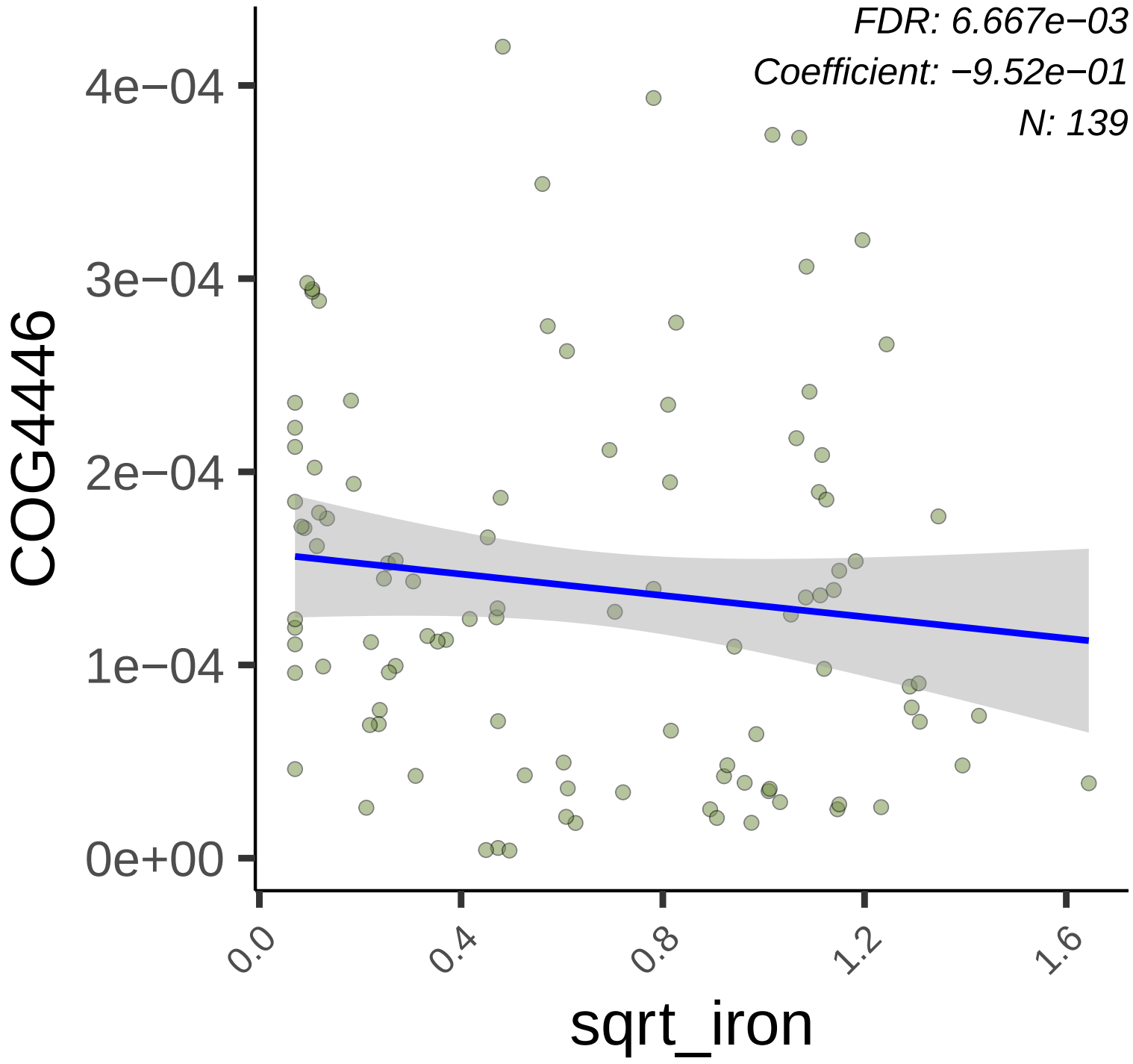
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.667e−03
Coefficient: −9.52e−01
N: 139
COG4446
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2e−04
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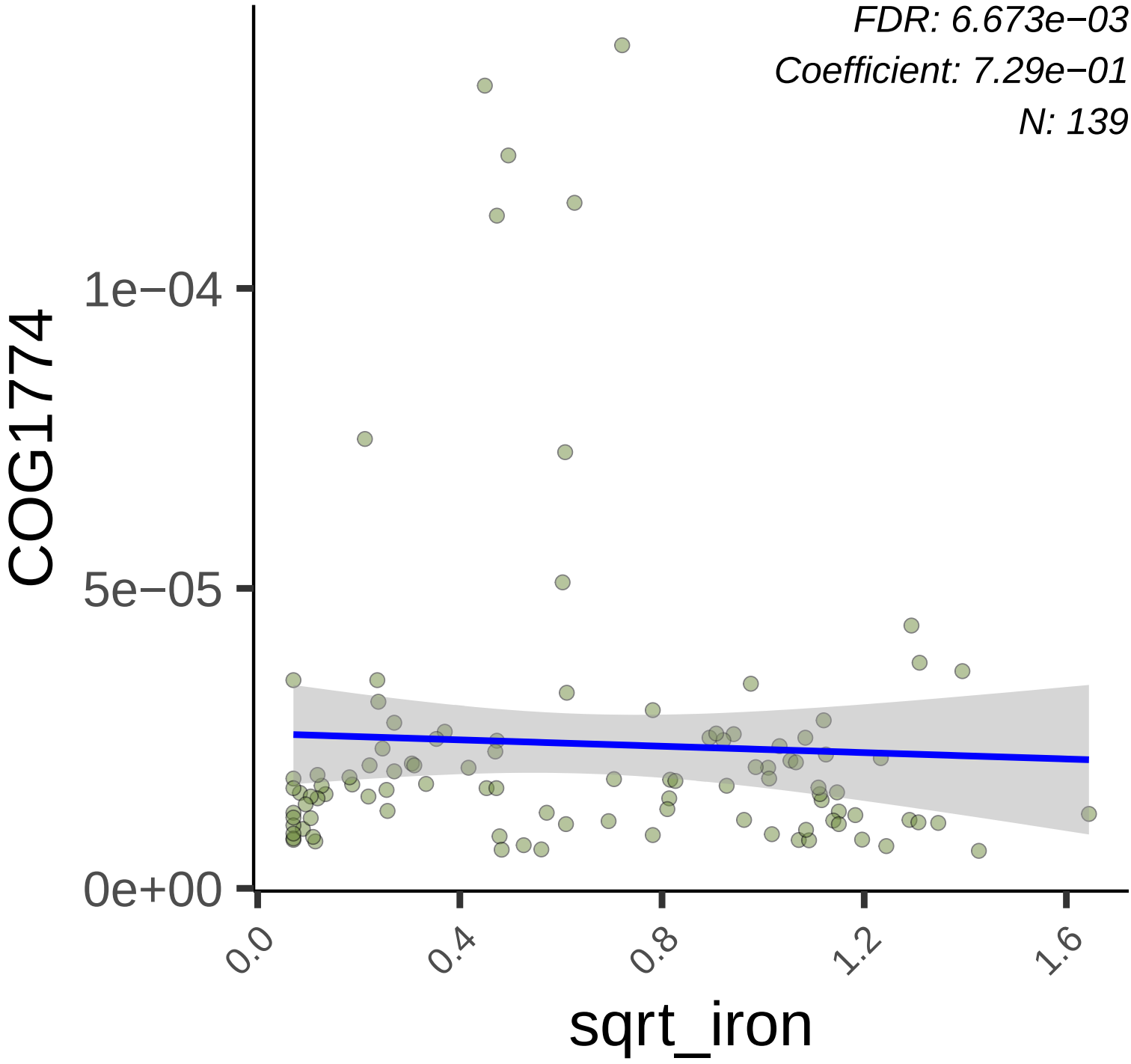
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 6.673e−03
Coefficient: 7.29e−01
N: 139
COG1774
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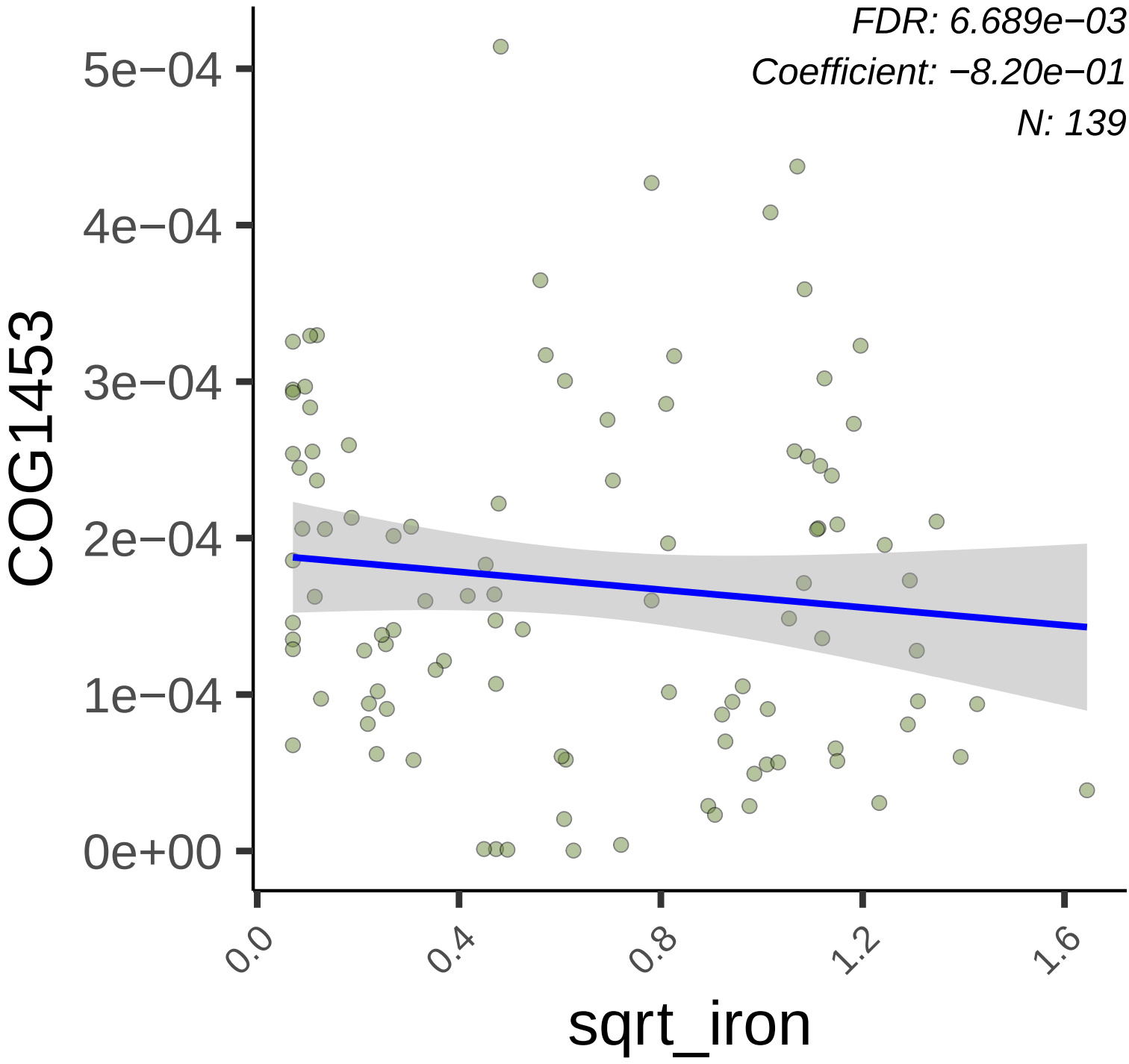
sqrt_iron


FDR: 6.689e−03
Coefficient: −8.20e−01
N: 139
COG1453
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2e−04
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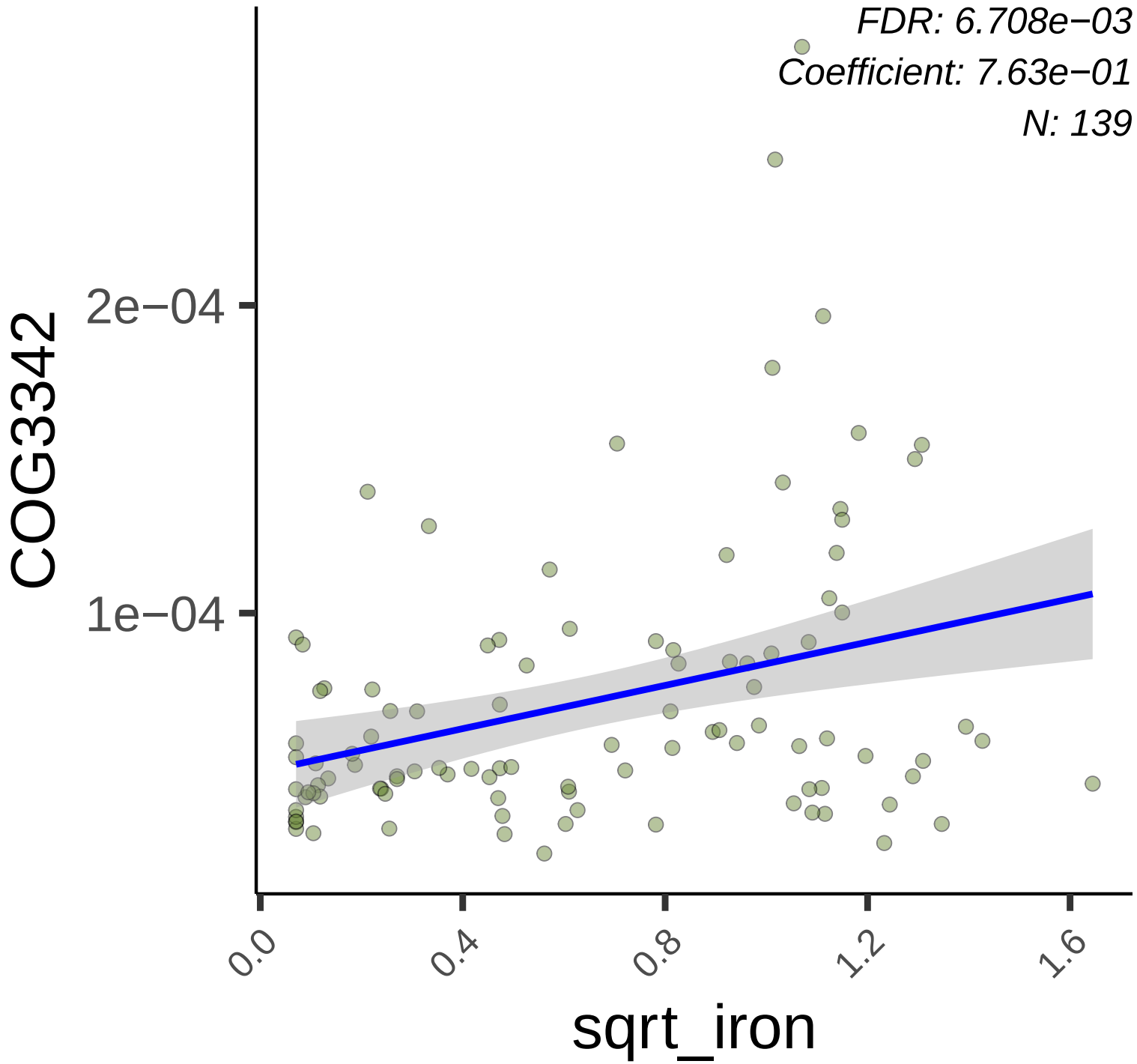
0.8
1.2
1.6
sqrt_iron


FDR: 6.708e−03
Coefficient: 7.63e−01
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COG3342
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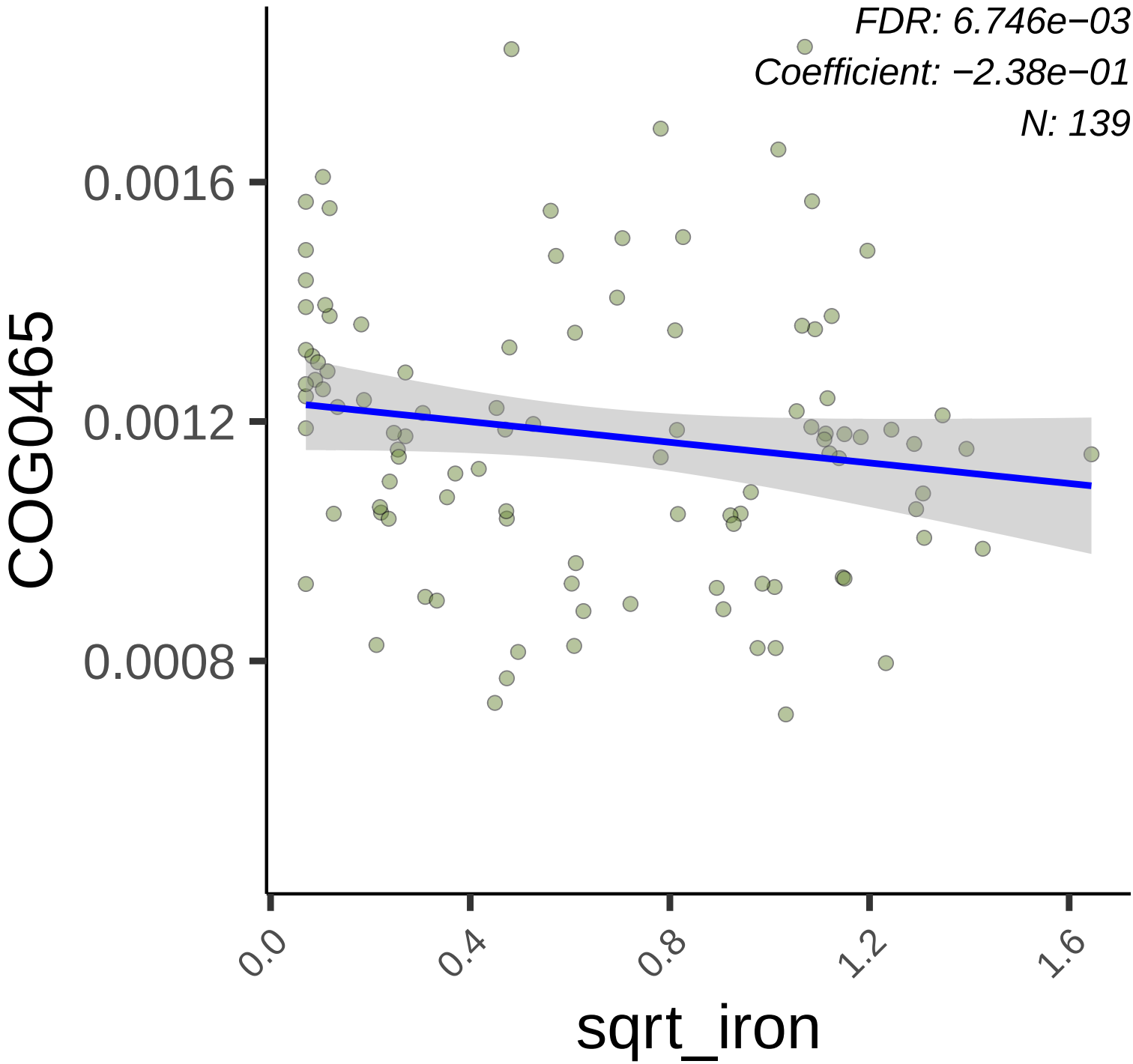
1.6
sqrt_iron


FDR: 6.746e−03
Coefficient: −2.38e−01
N: 139
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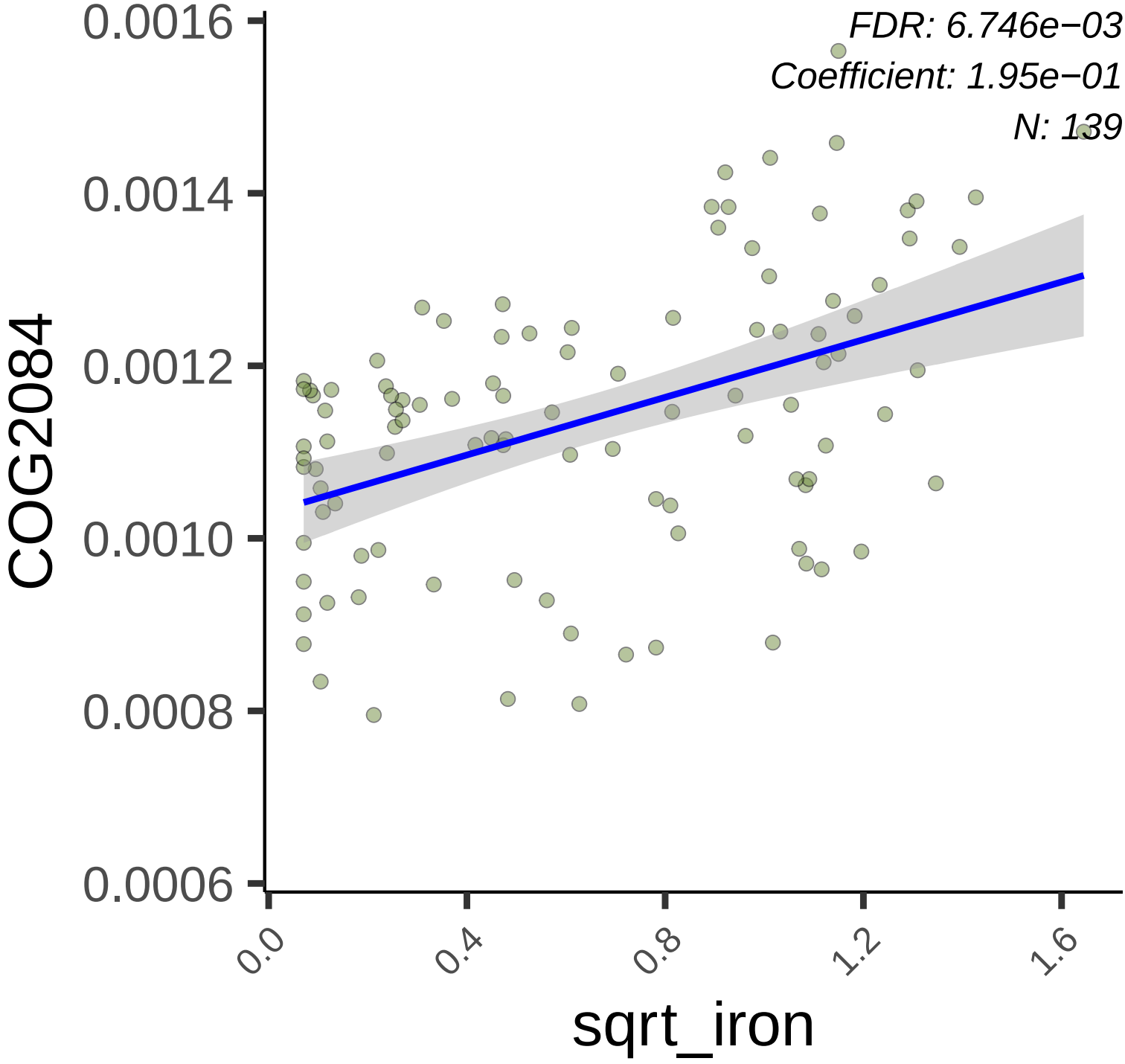
sqrt_iron


FDR: 6.746e−03
Coefficient: 1.95e−01
N: 139
COG2084
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0.0012
0.0010
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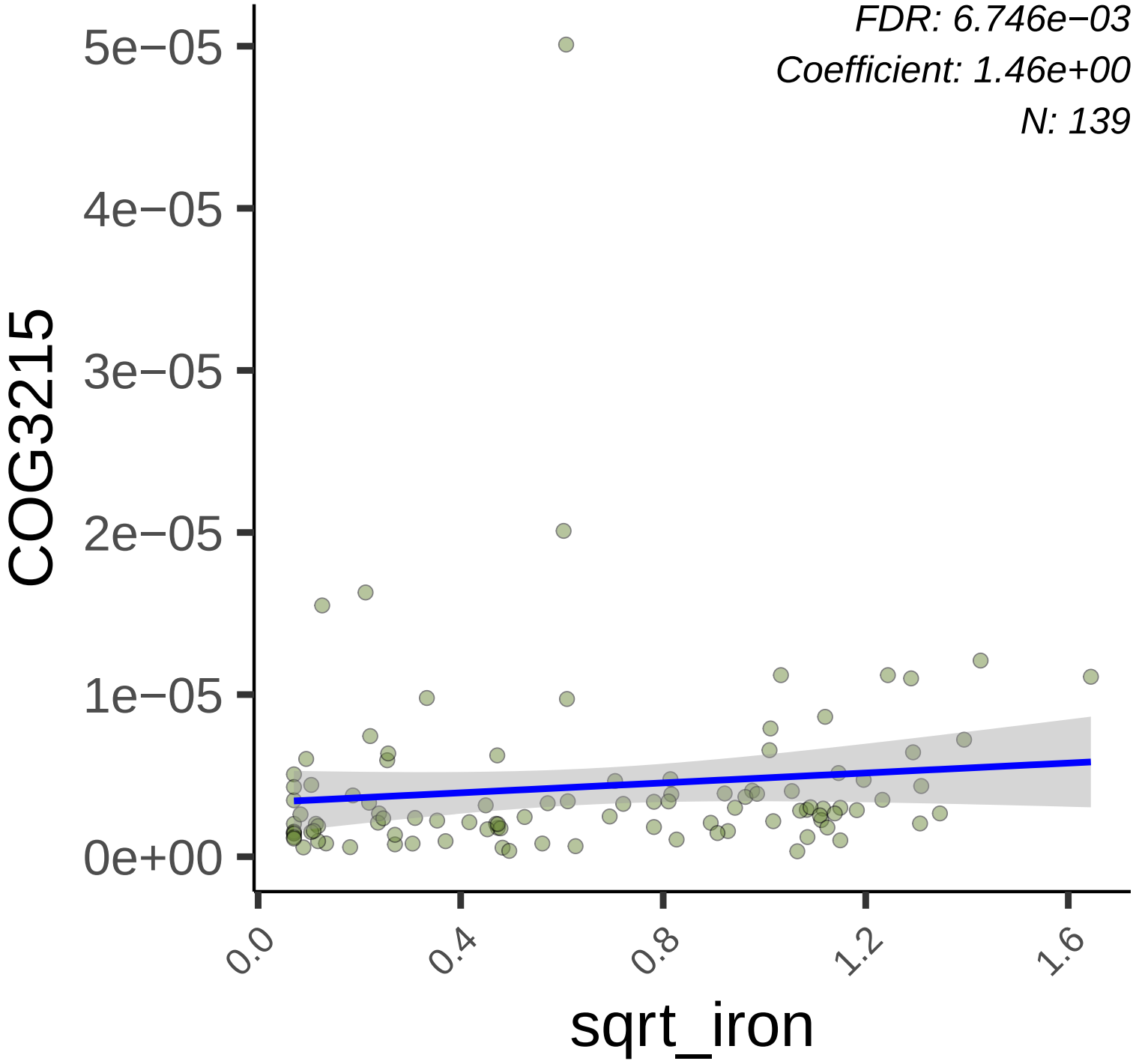
1.6
sqrt_iron


FDR: 6.746e−03
Coefficient: 1.46e+00
N: 139
COG3215
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4e−05
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2e−05
1e−05
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0.4
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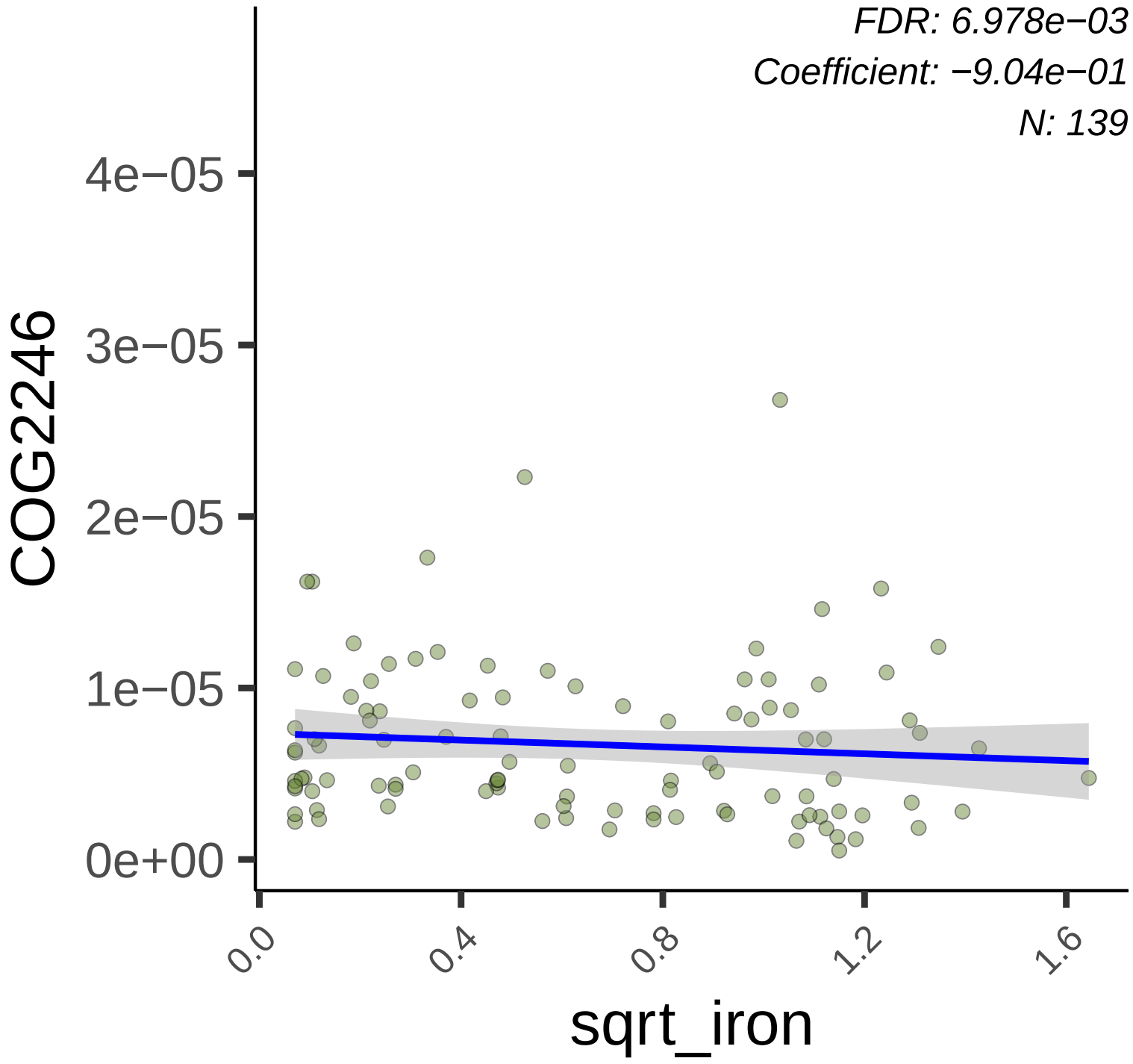
1.2
1.6
sqrt_iron


FDR: 6.978e−03
Coefficient: −9.04e−01
N: 139
COG2246
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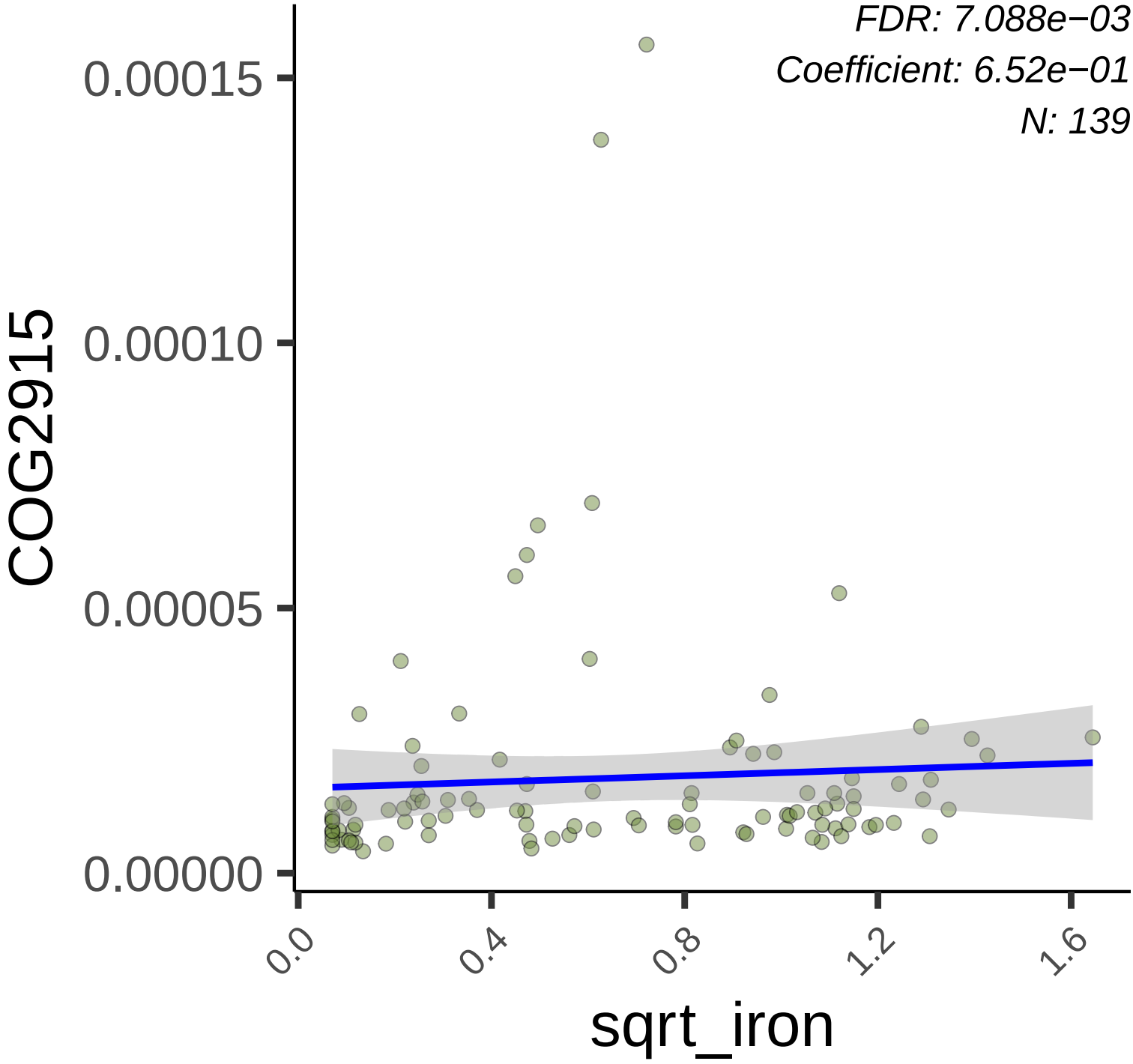
1.6
sqrt_iron


FDR: 7.088e−03
Coefficient: 6.52e−01
N: 139
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0.4
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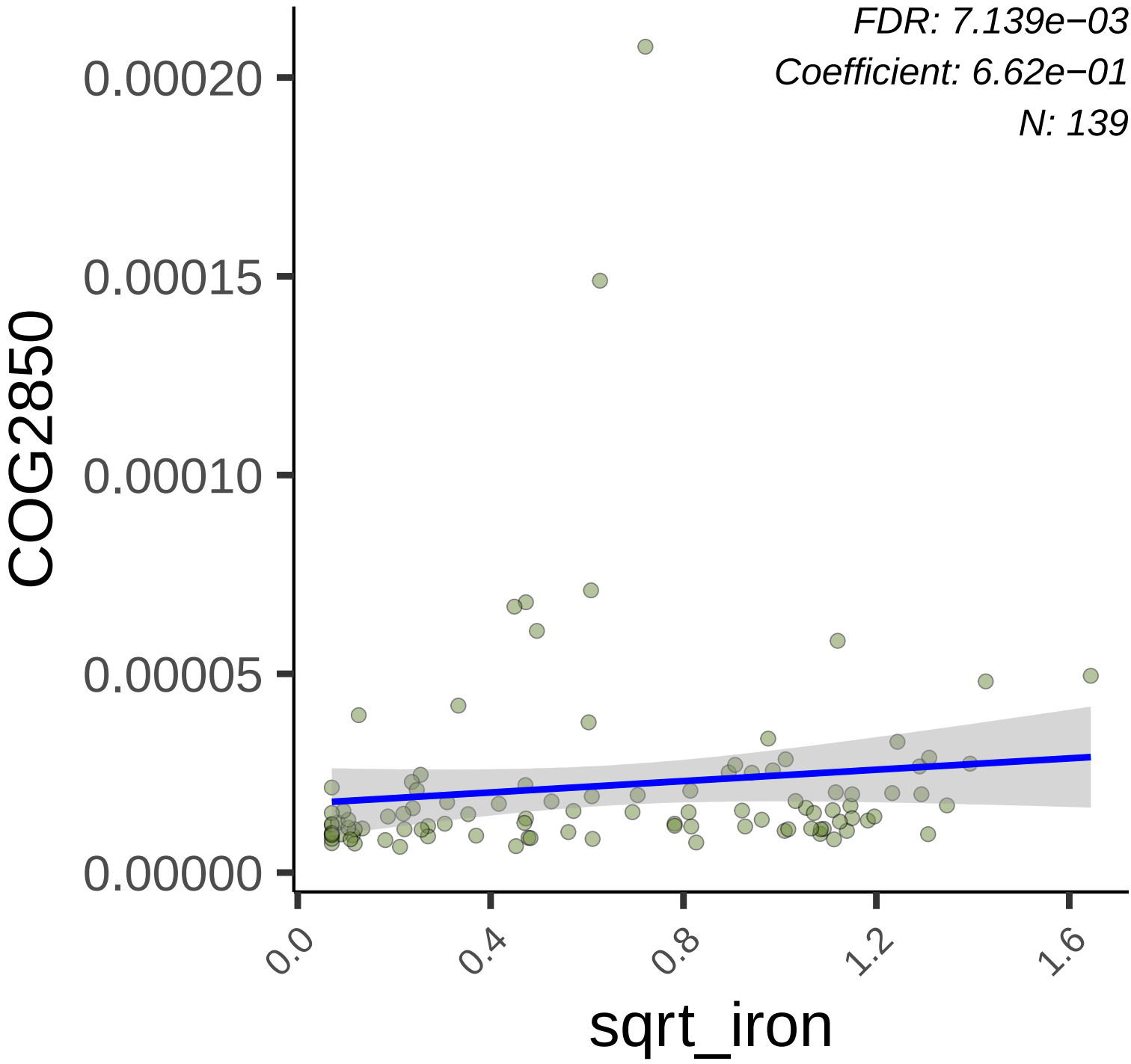
1.6
sqrt_iron


FDR: 7.139e−03
Coefficient: 6.62e−01
N: 139
COG2850
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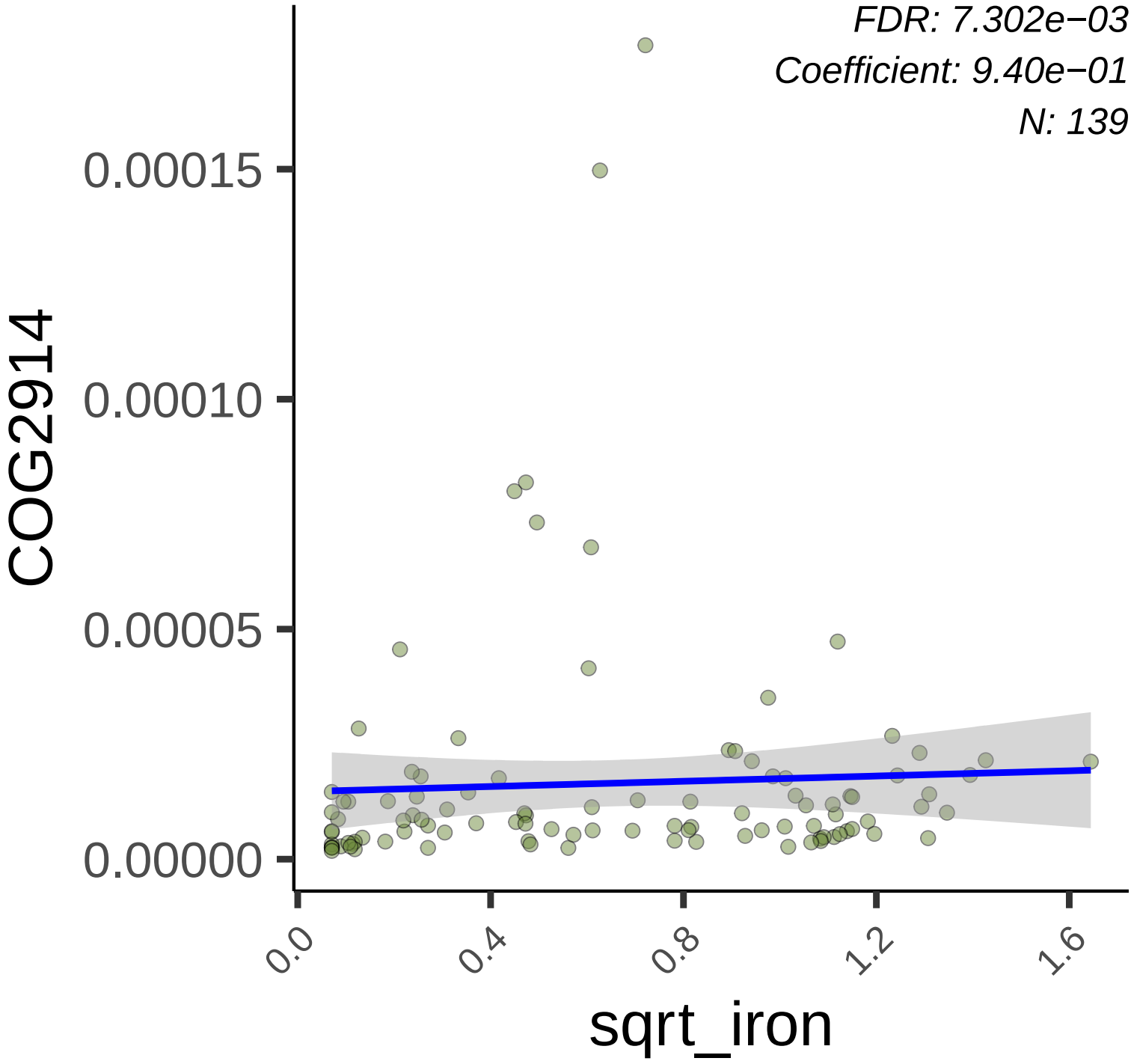
1.6
sqrt_iron


FDR: 7.302e−03
Coefficient: 9.40e−01
N: 139
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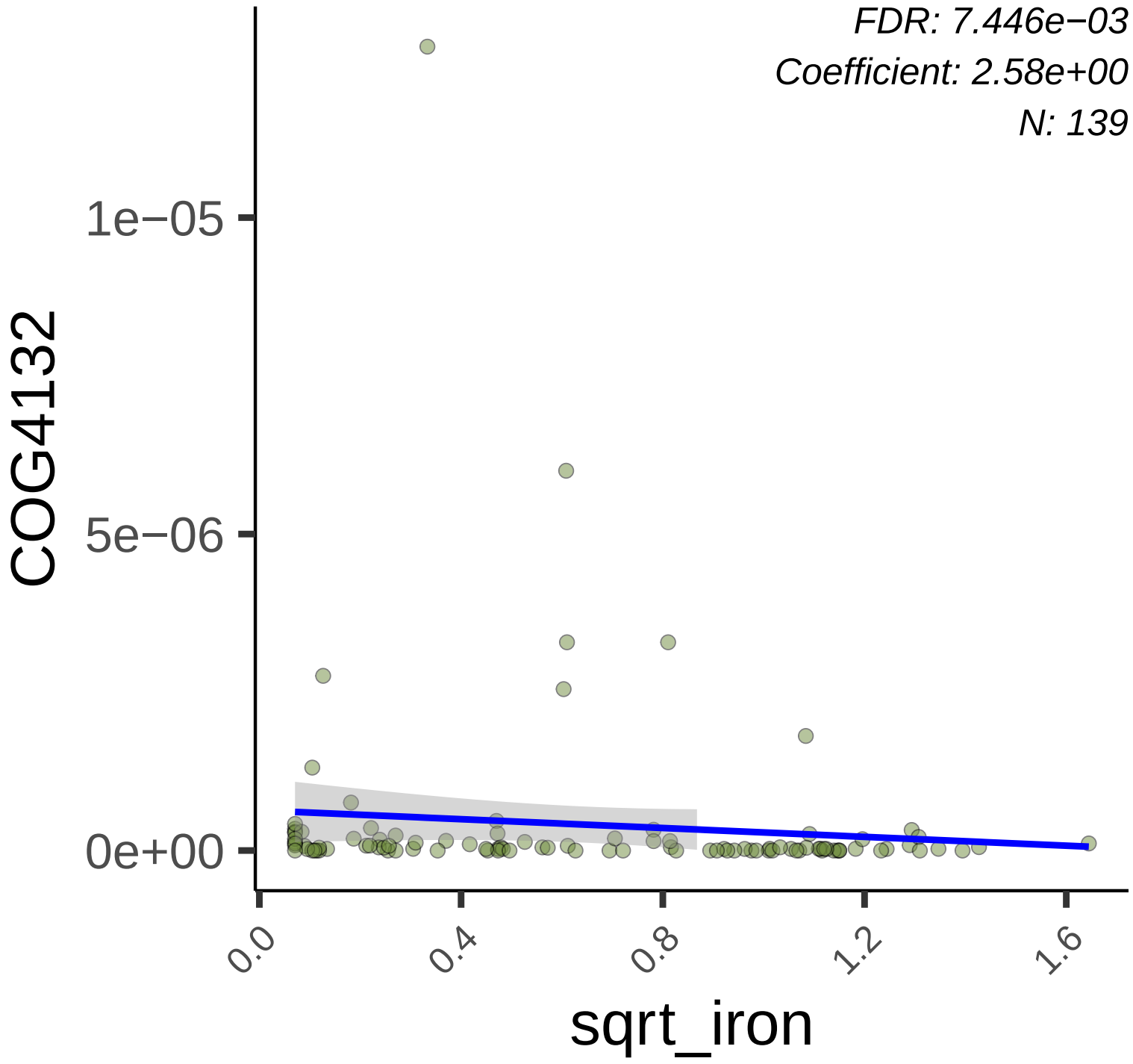
sqrt_iron


FDR: 7.446e−03
Coefficient: 2.58e+00
N: 139
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5e−06
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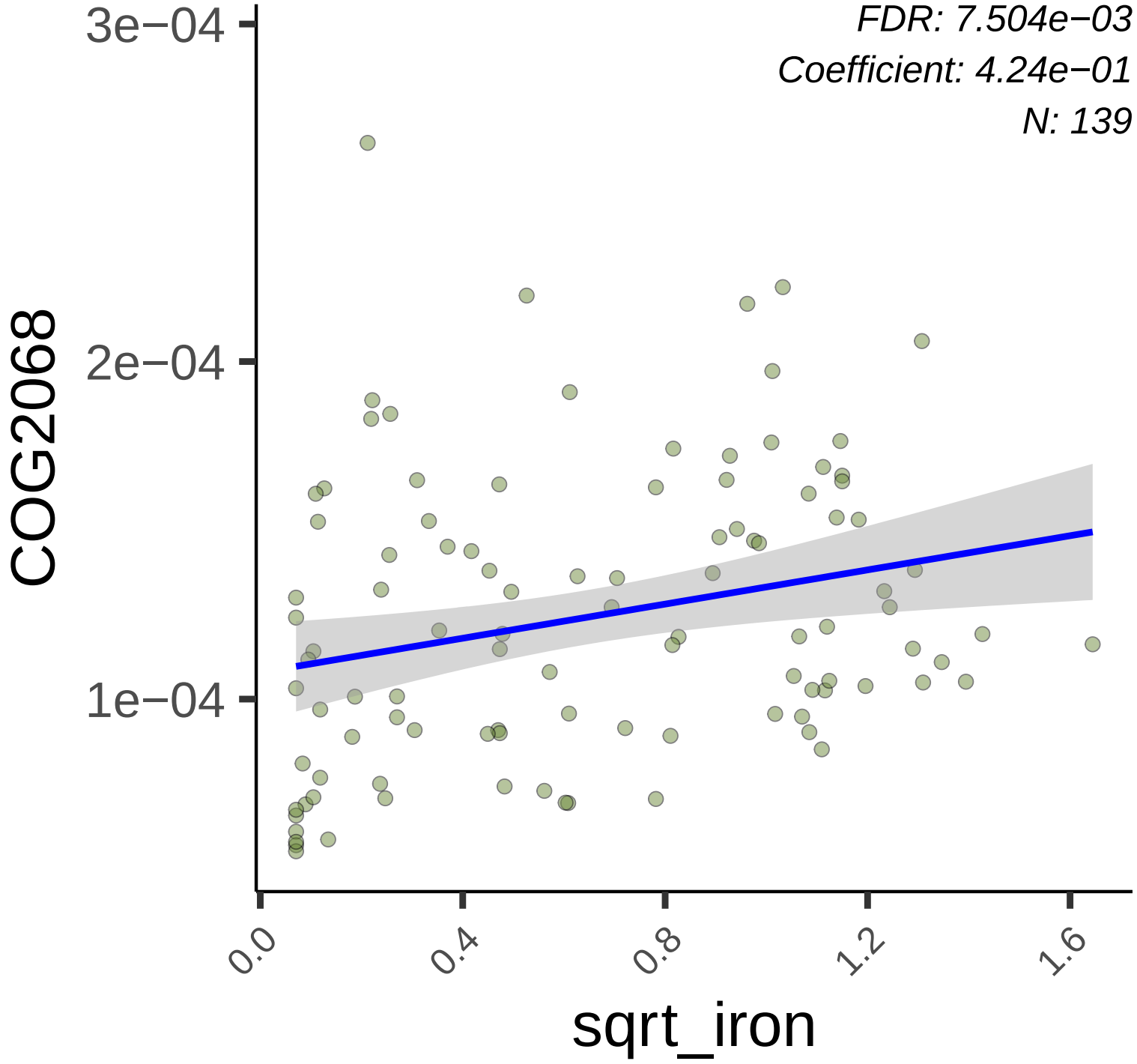
0.8
1.2
1.6
sqrt_iron


FDR: 7.504e−03
Coefficient: 4.24e−01
N: 139
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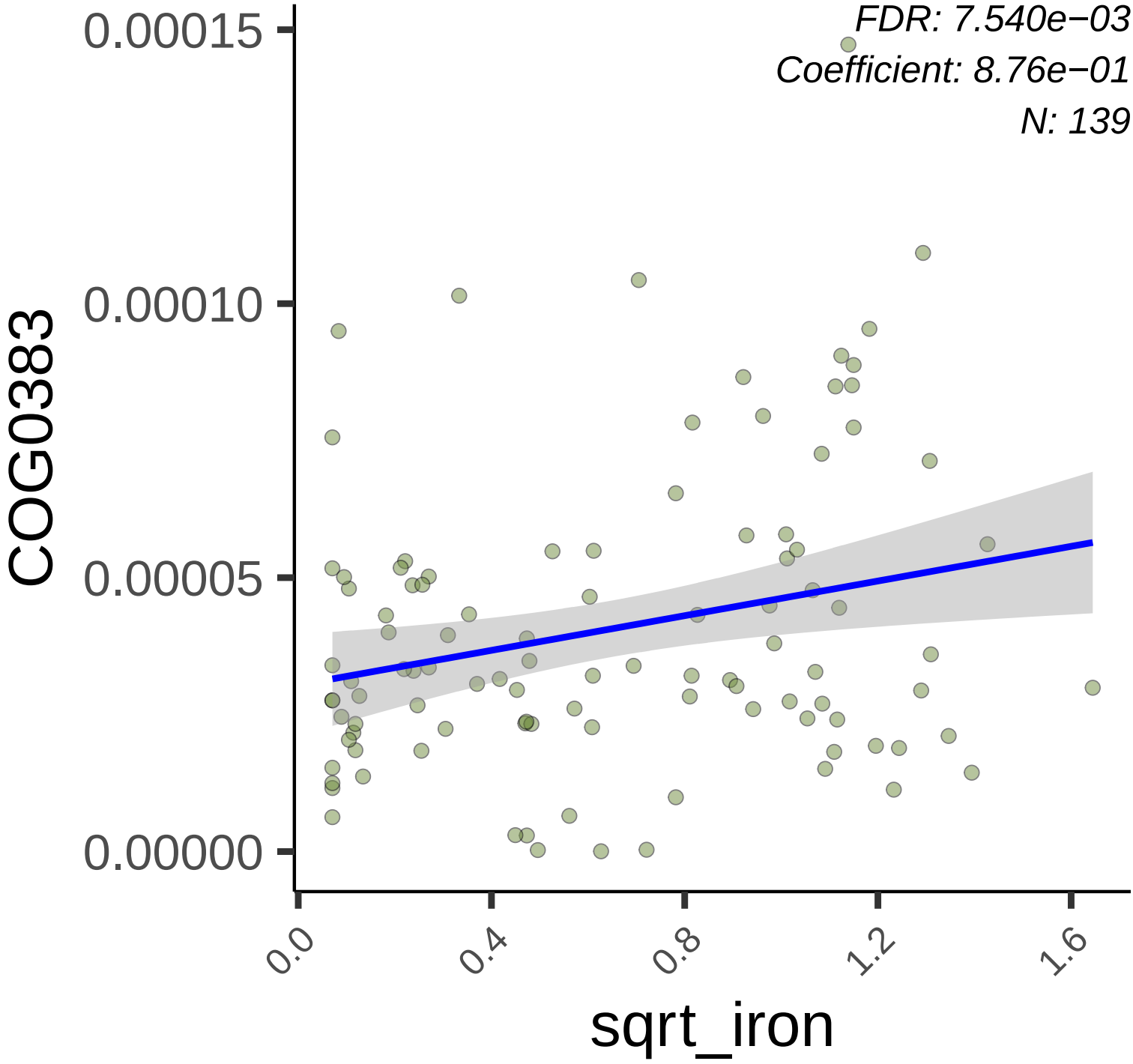
1.2
1.6
sqrt_iron


FDR: 7.540e−03
Coefficient: 8.76e−01
N: 139
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COG0383
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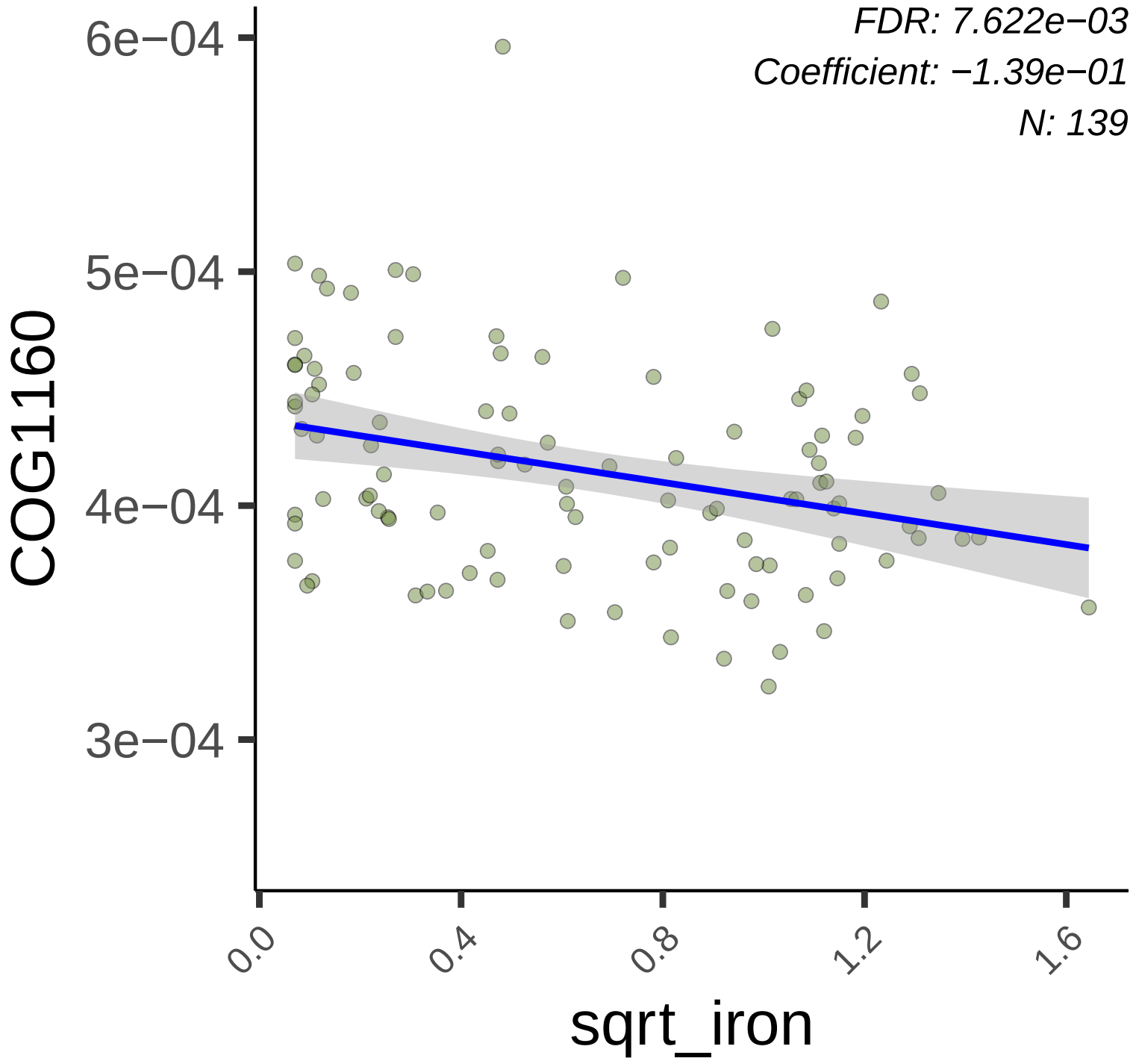
1.6
sqrt_iron


FDR: 7.622e−03
Coefficient: −1.39e−01
N: 139
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3e−04
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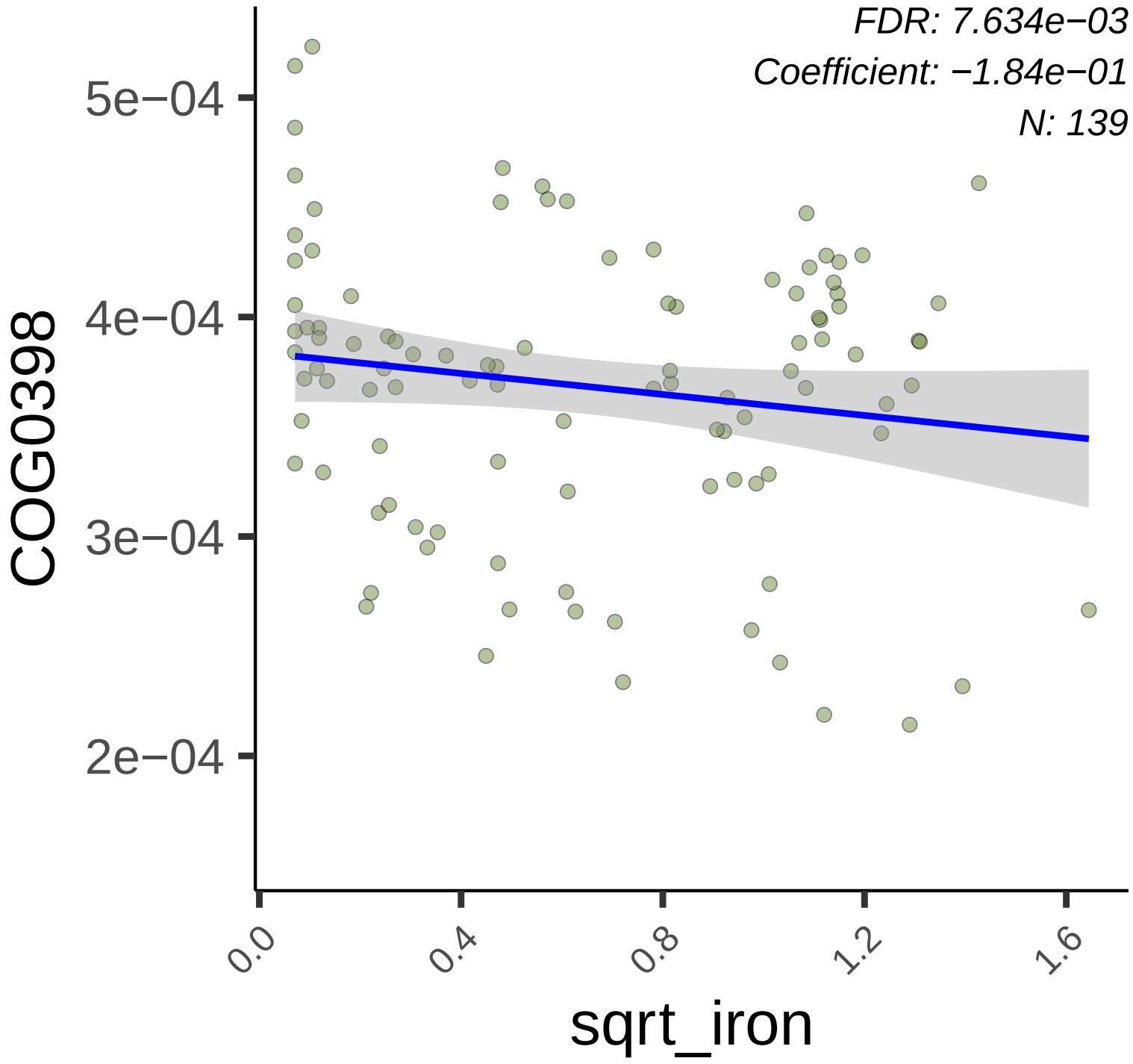
0.8
1.2
1.6
sqrt_iron


FDR: 7.634e−03
Coefficient: −1.84e−01
N: 139
COG0398
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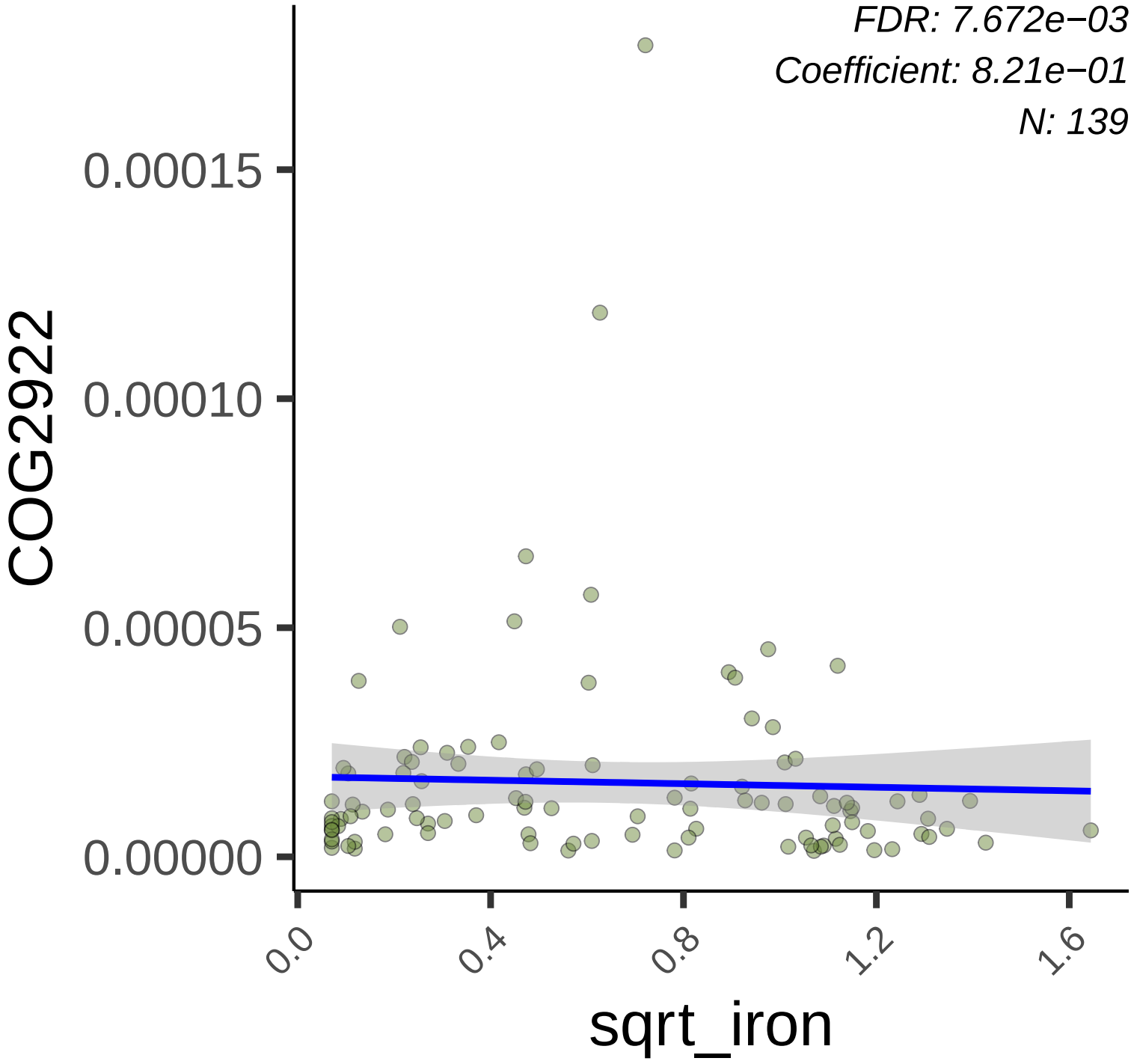
sqrt_iron


FDR: 7.672e−03
Coefficient: 8.21e−01
N: 139
COG2922
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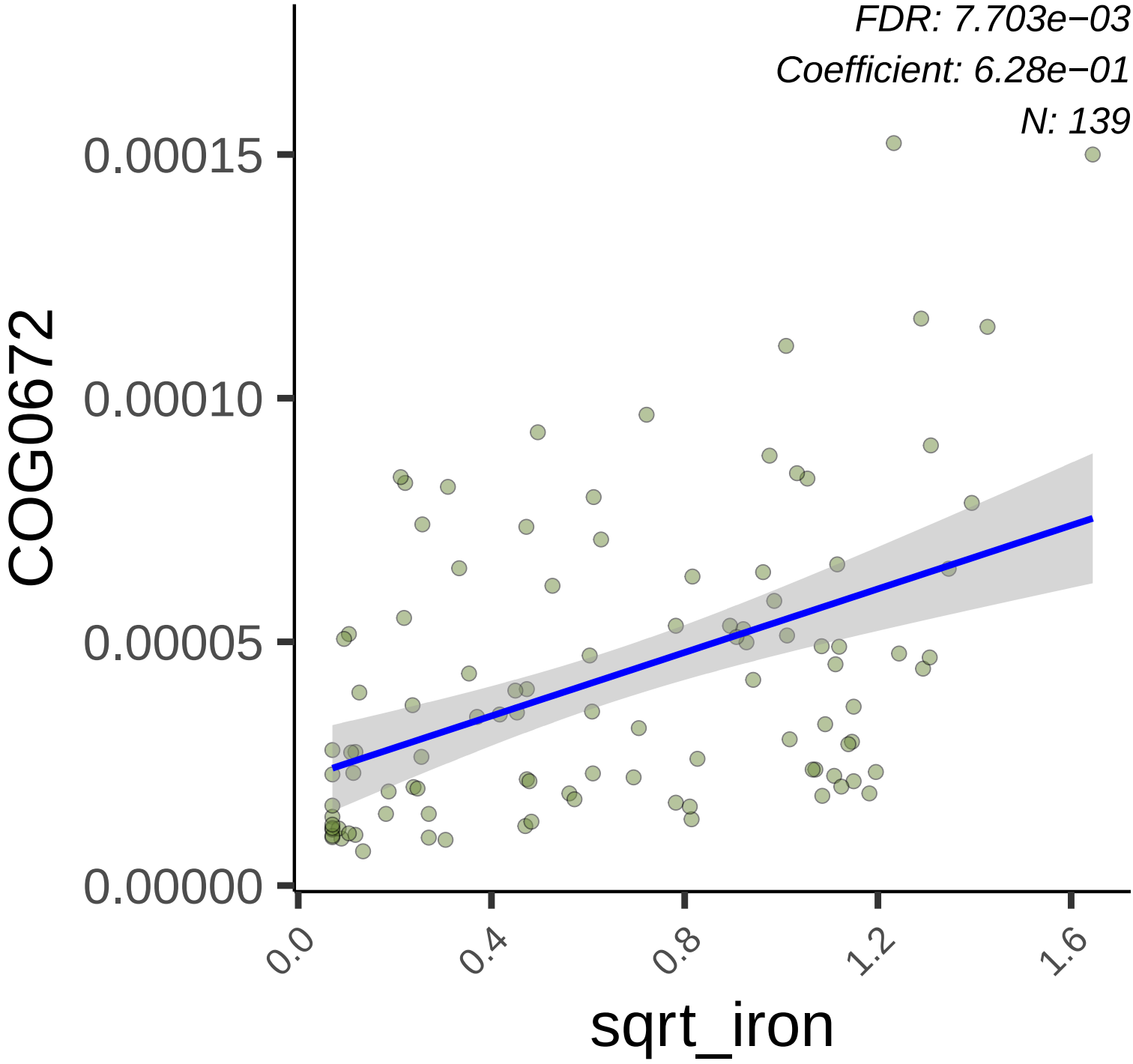
sqrt_iron


FDR: 7.703e−03
Coefficient: 6.28e−01
N: 139
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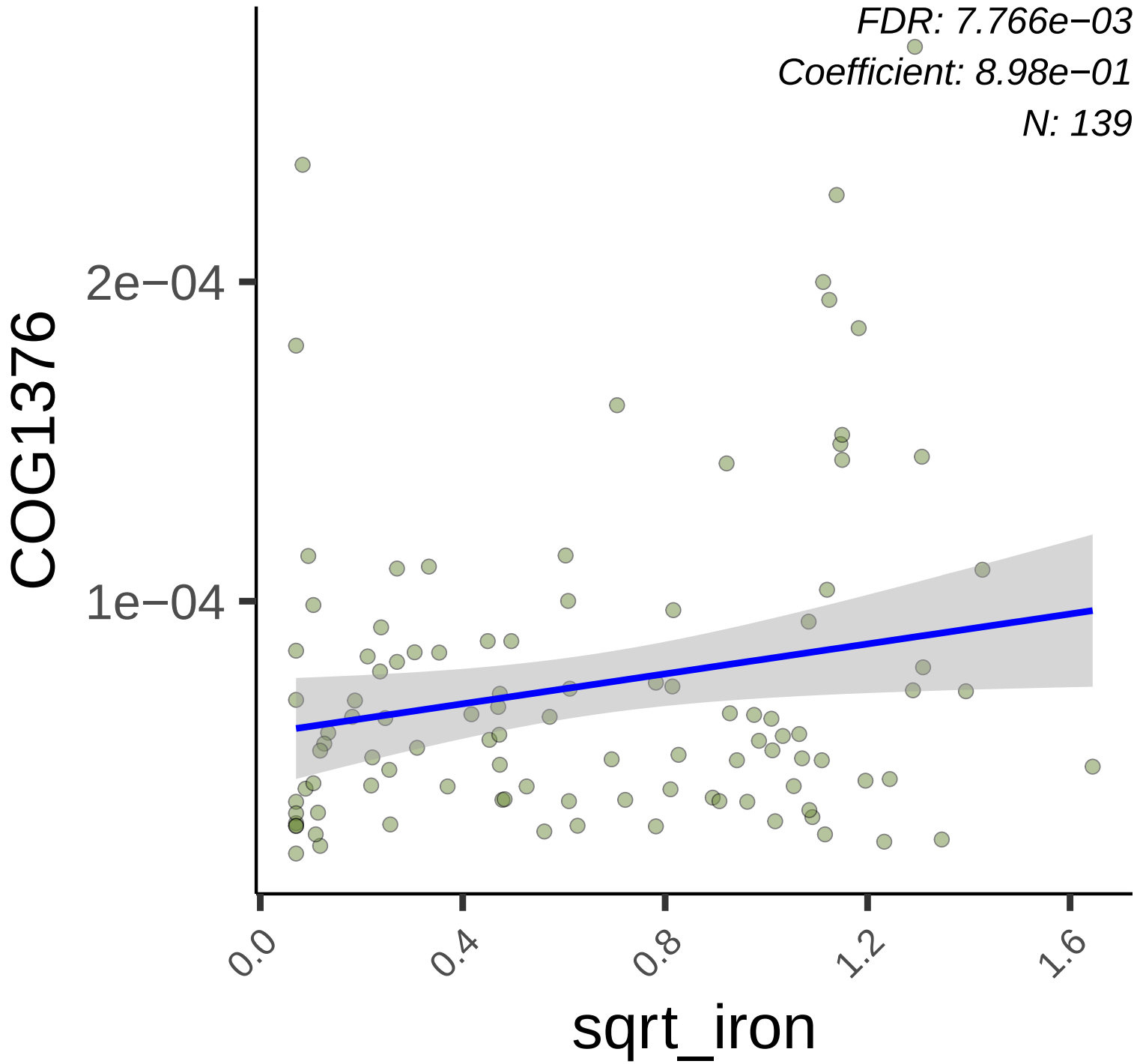
sqrt_iron


FDR: 7.766e−03
Coefficient: 8.98e−01
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COG1376
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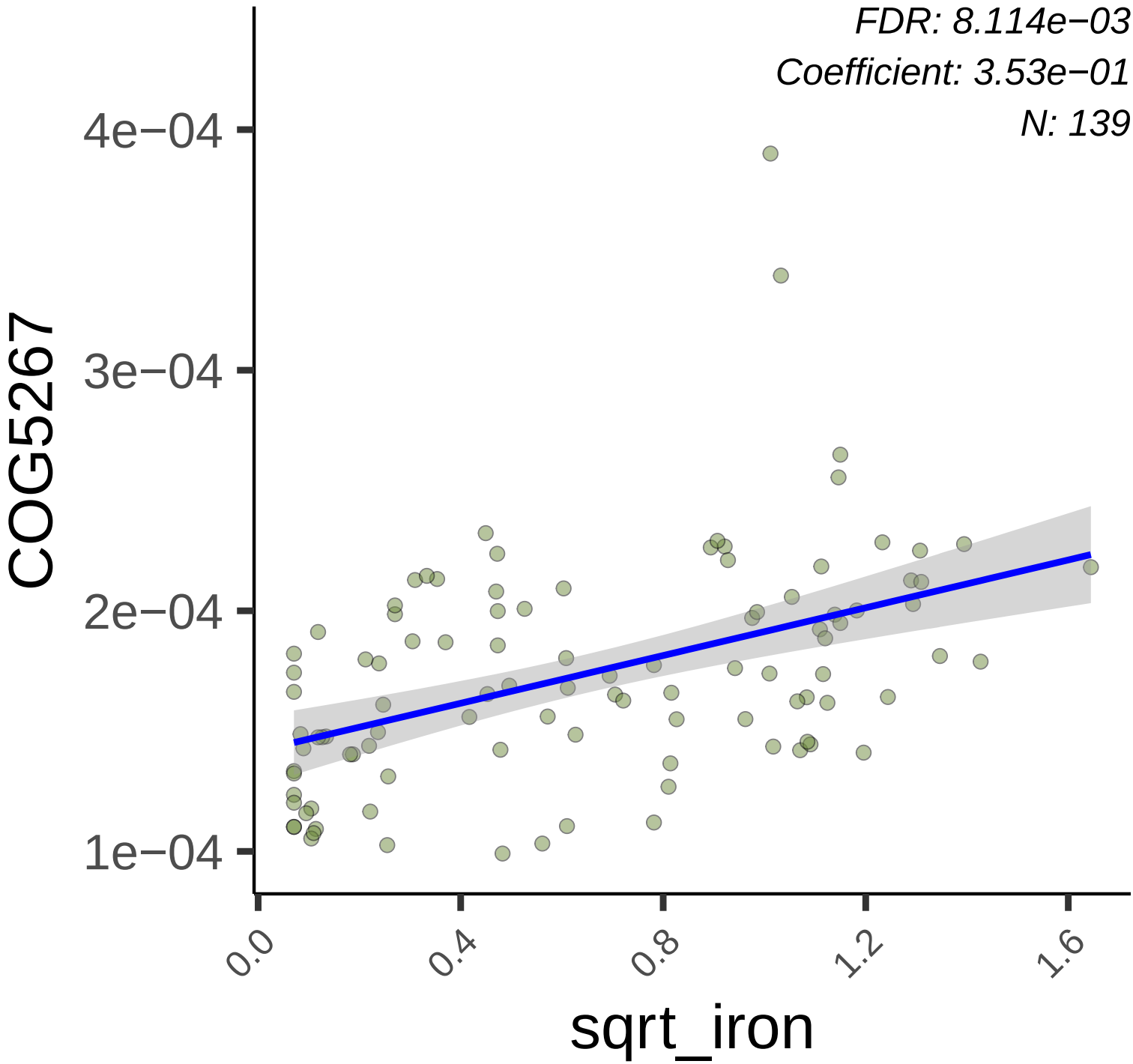
sqrt_iron


FDR: 8.114e−03
Coefficient: 3.53e−01
N: 139
COG5267
4e−04
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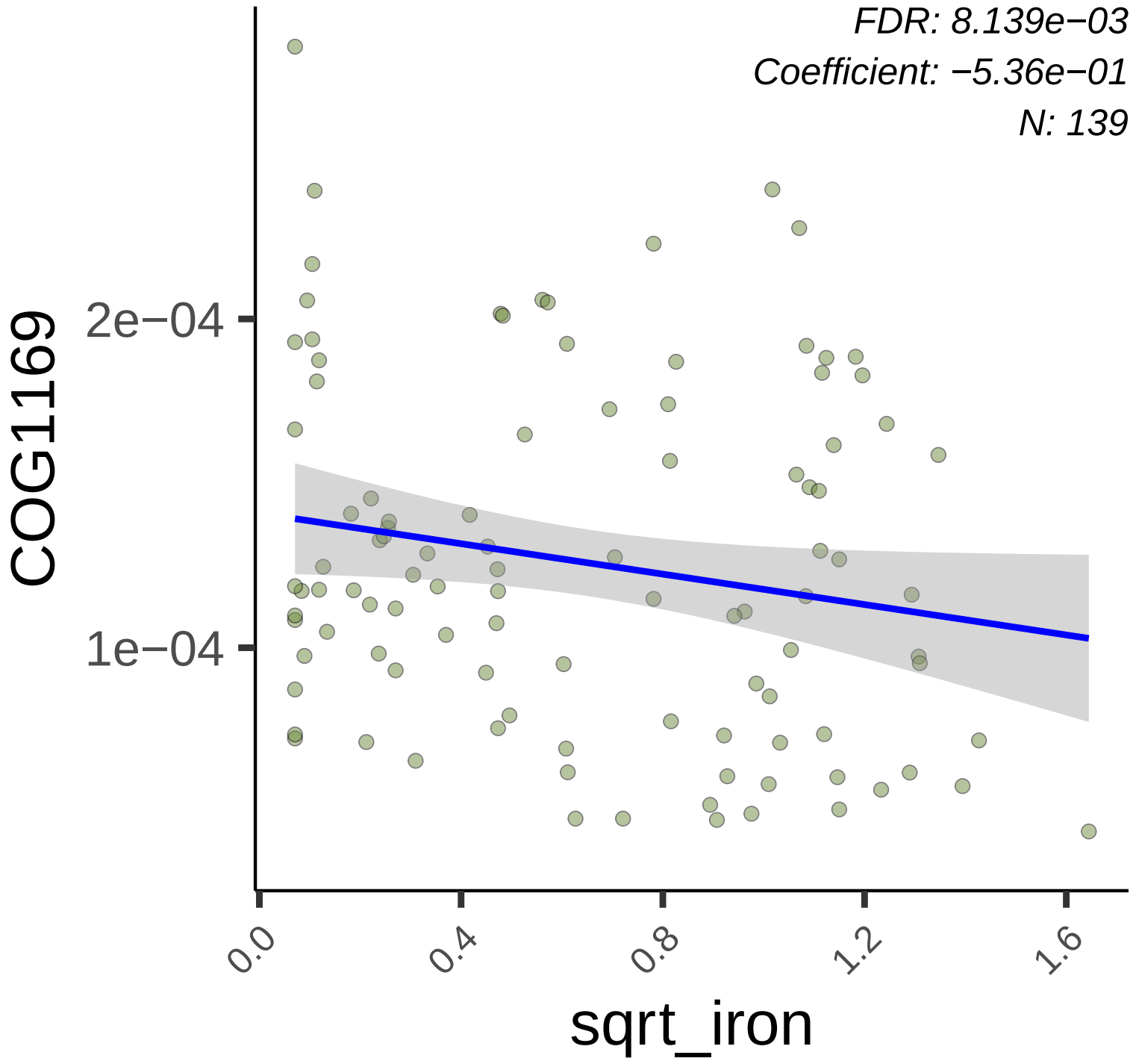
sqrt_iron


FDR: 8.139e−03
Coefficient: −5.36e−01
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COG1169
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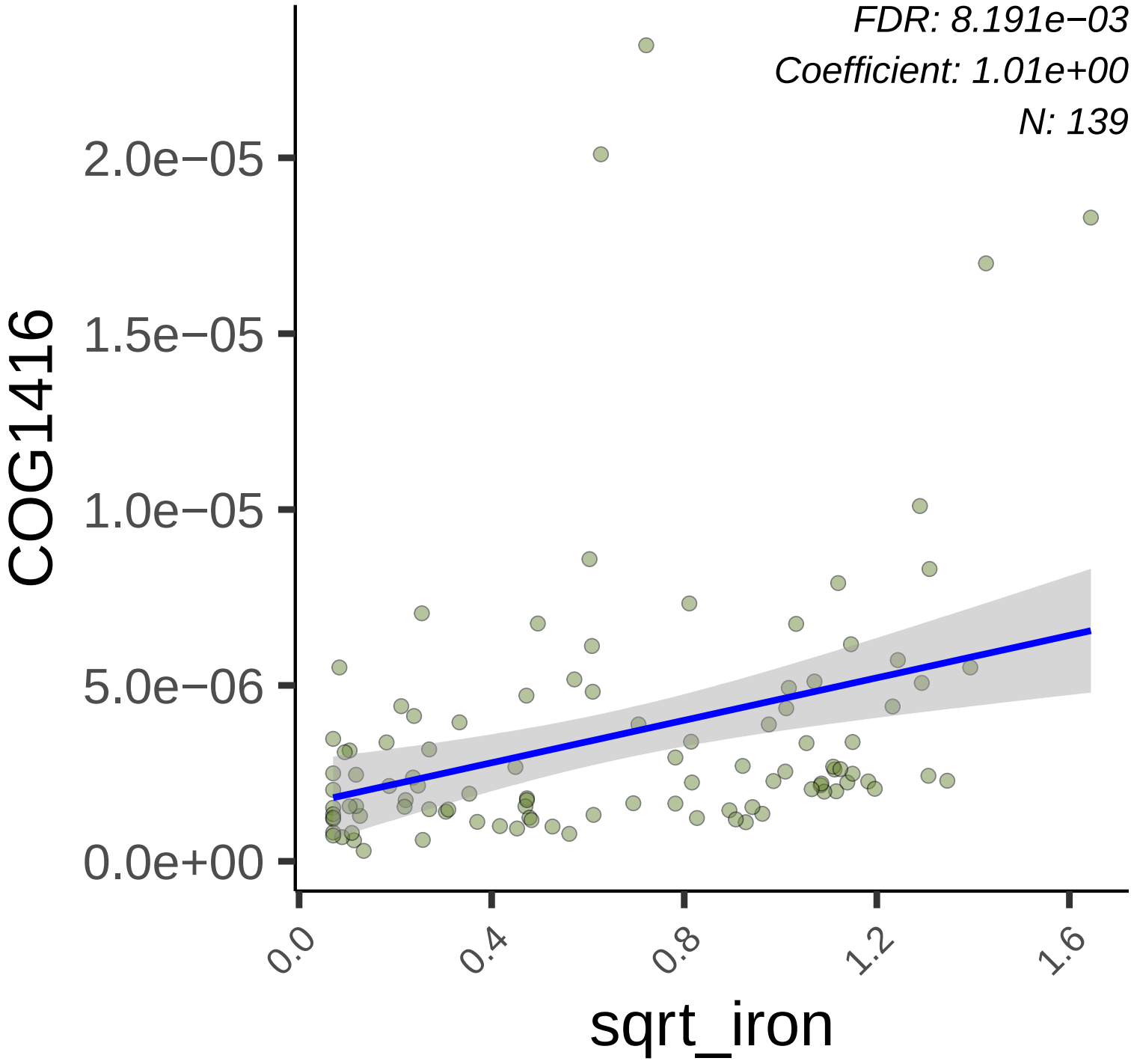
1.6
sqrt_iron


FDR: 8.191e−03
Coefficient: 1.01e+00
N: 139
COG1416
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
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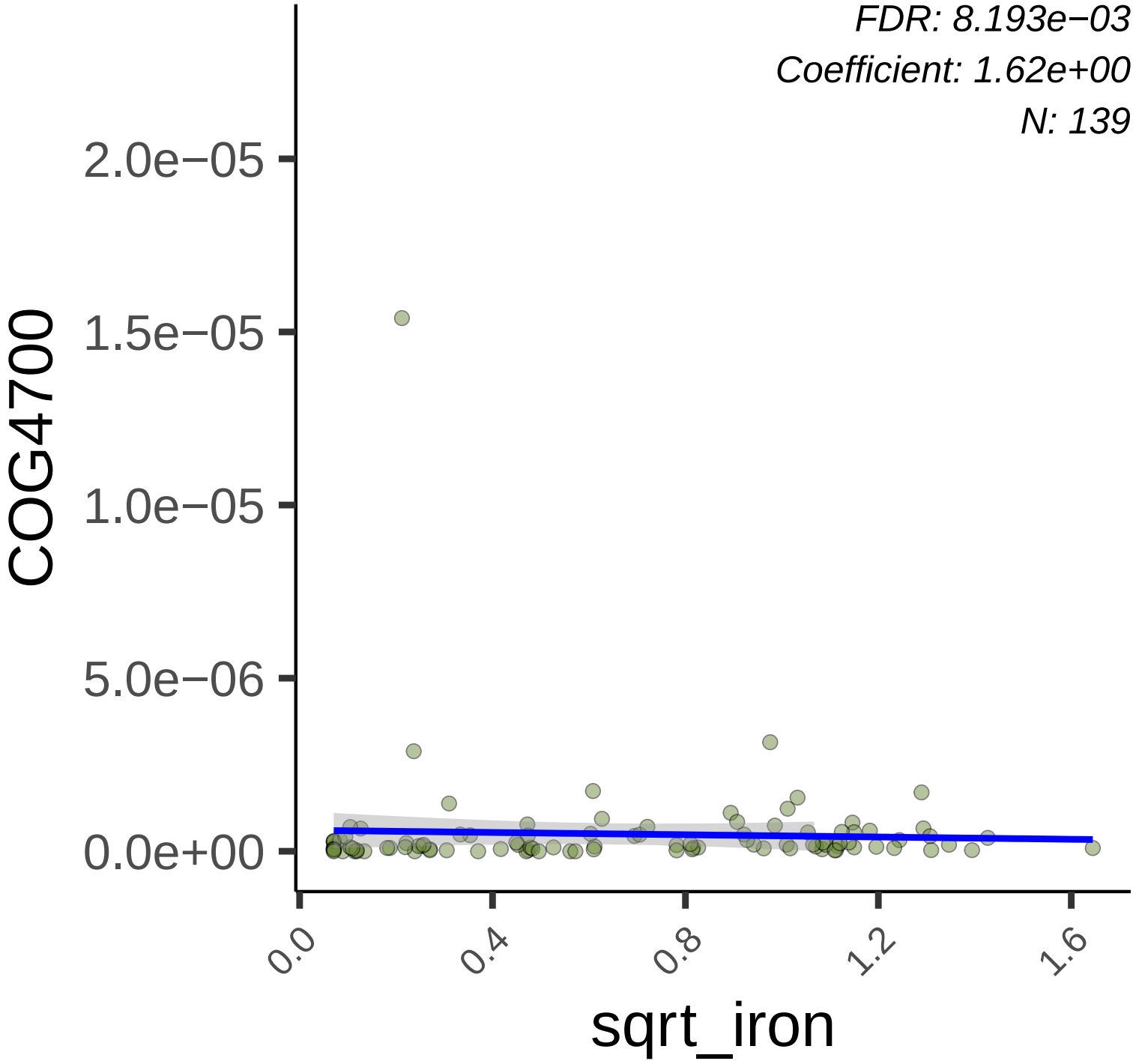
1.6
sqrt_iron


FDR: 8.193e−03
Coefficient: 1.62e+00
N: 139
COG4700
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5.0e−06
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0.8
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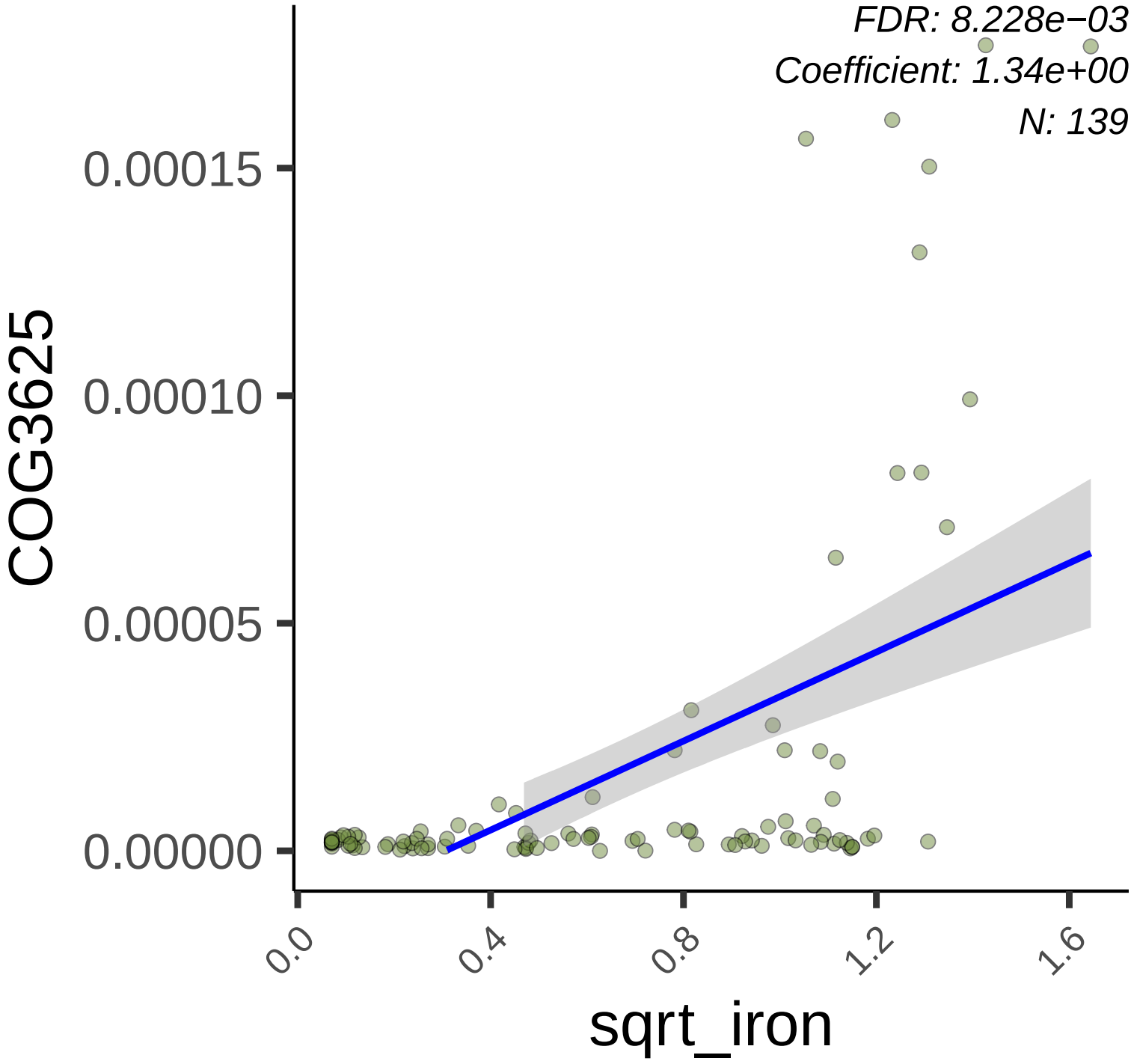
1.6
sqrt_iron


FDR: 8.228e−03
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N: 139
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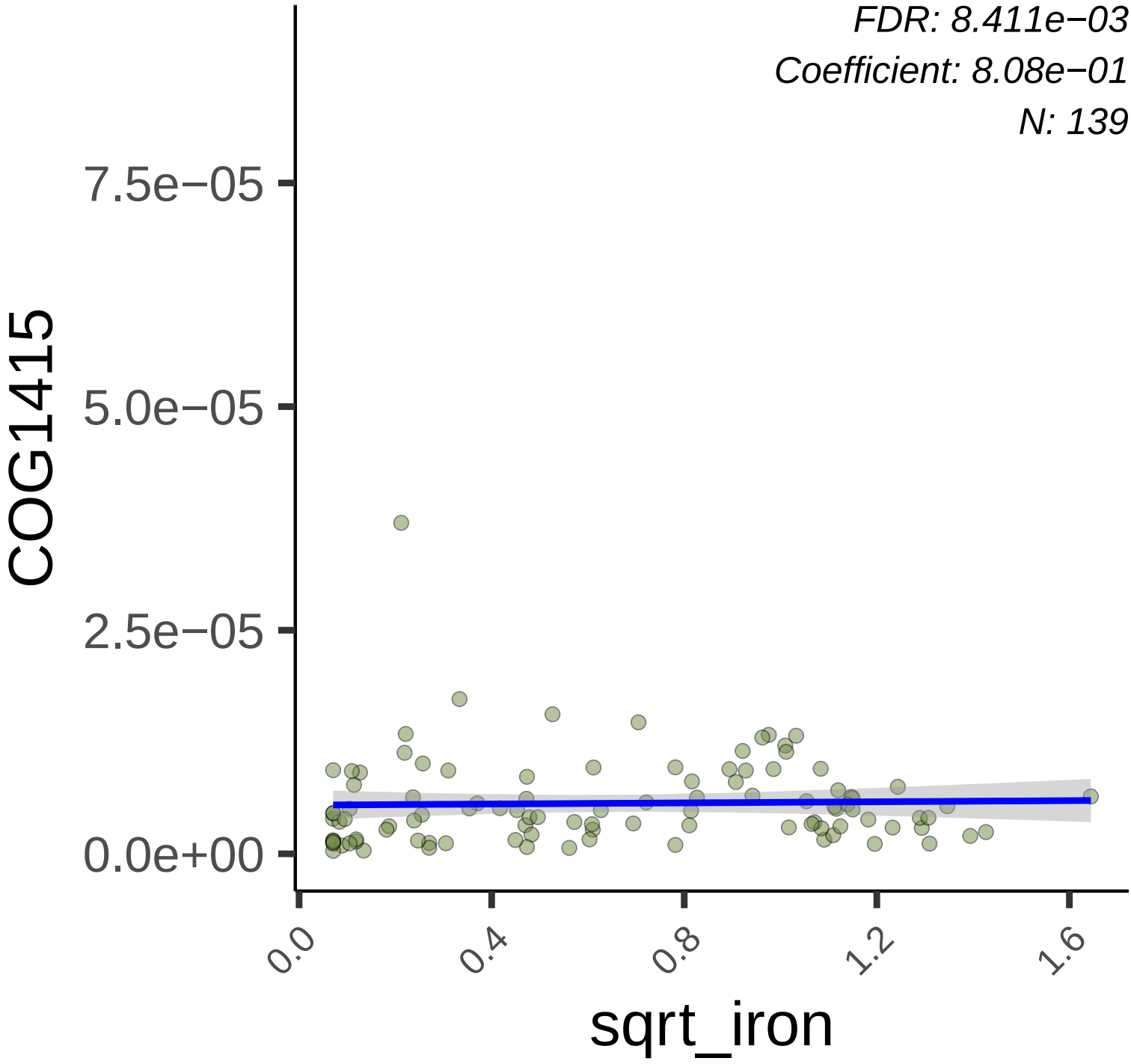
1.6
sqrt_iron


FDR: 8.411e−03
Coefficient: 8.08e−01
N: 139
COG1415
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2.5e−05
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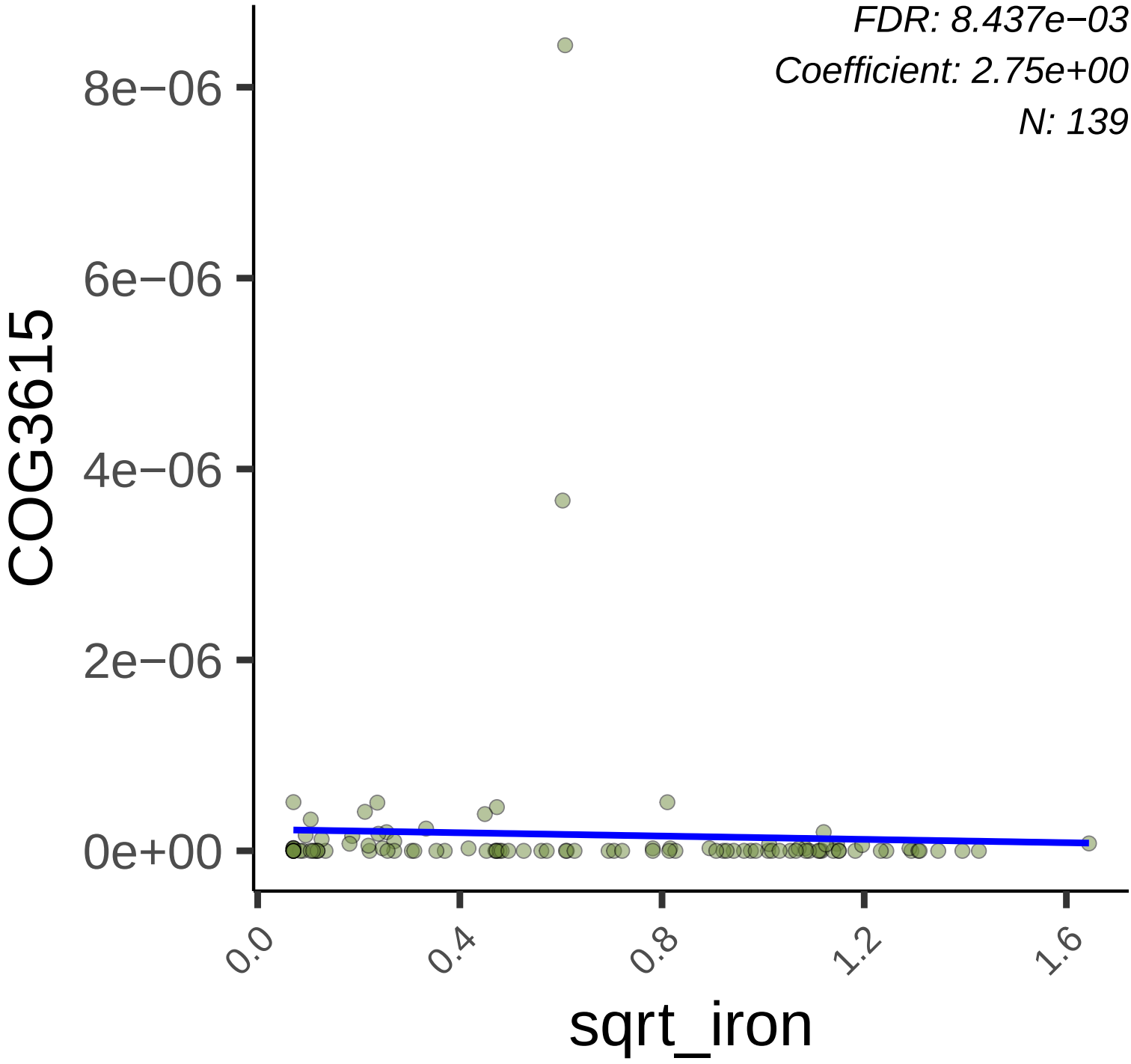
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.437e−03
Coefficient: 2.75e+00
N: 139
COG3615
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6e−06
4e−06
2e−06
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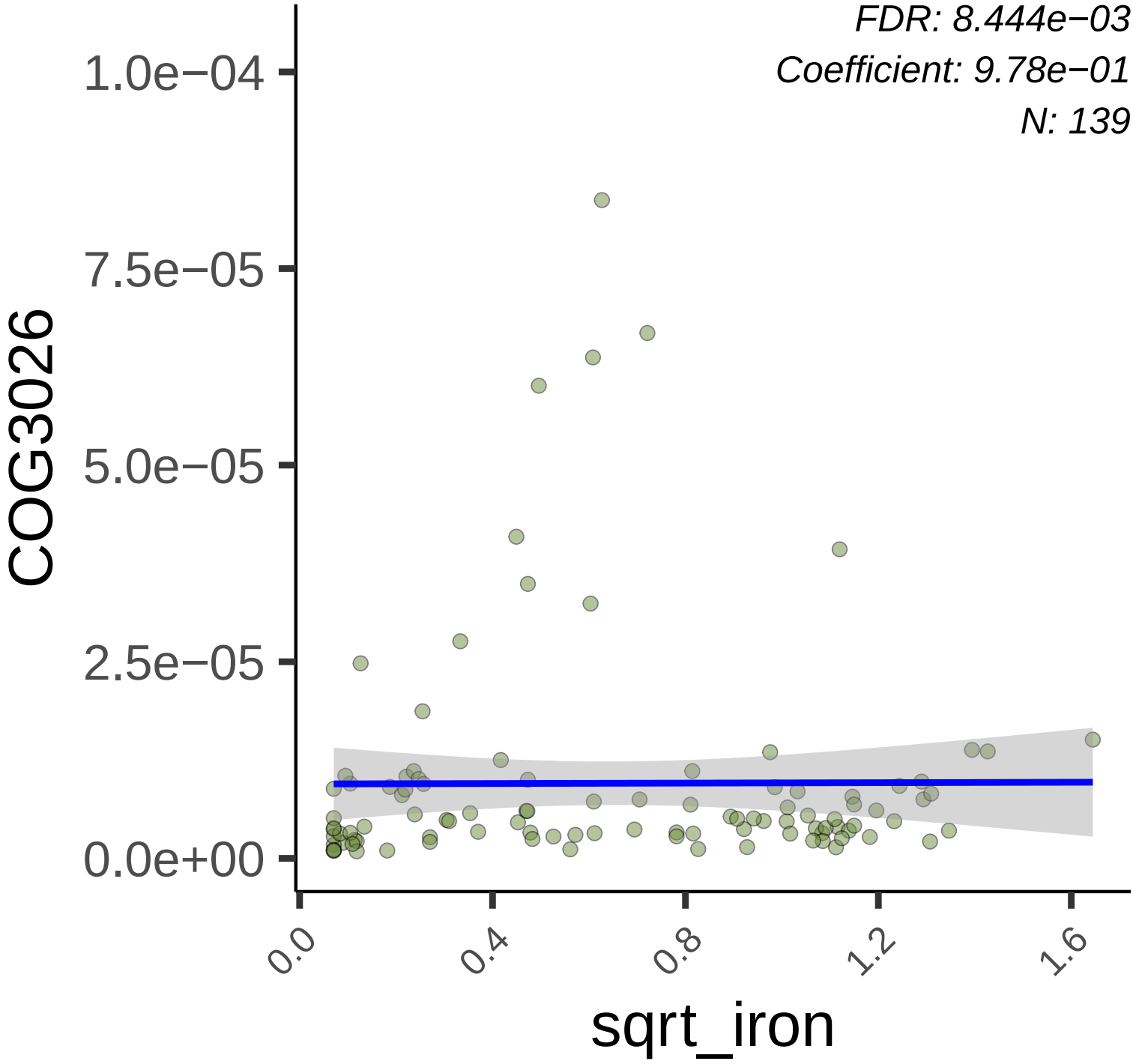
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.444e−03
Coefficient: 9.78e−01
N: 139
COG3026
1.0e−04
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2.5e−05
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0.4
0.8
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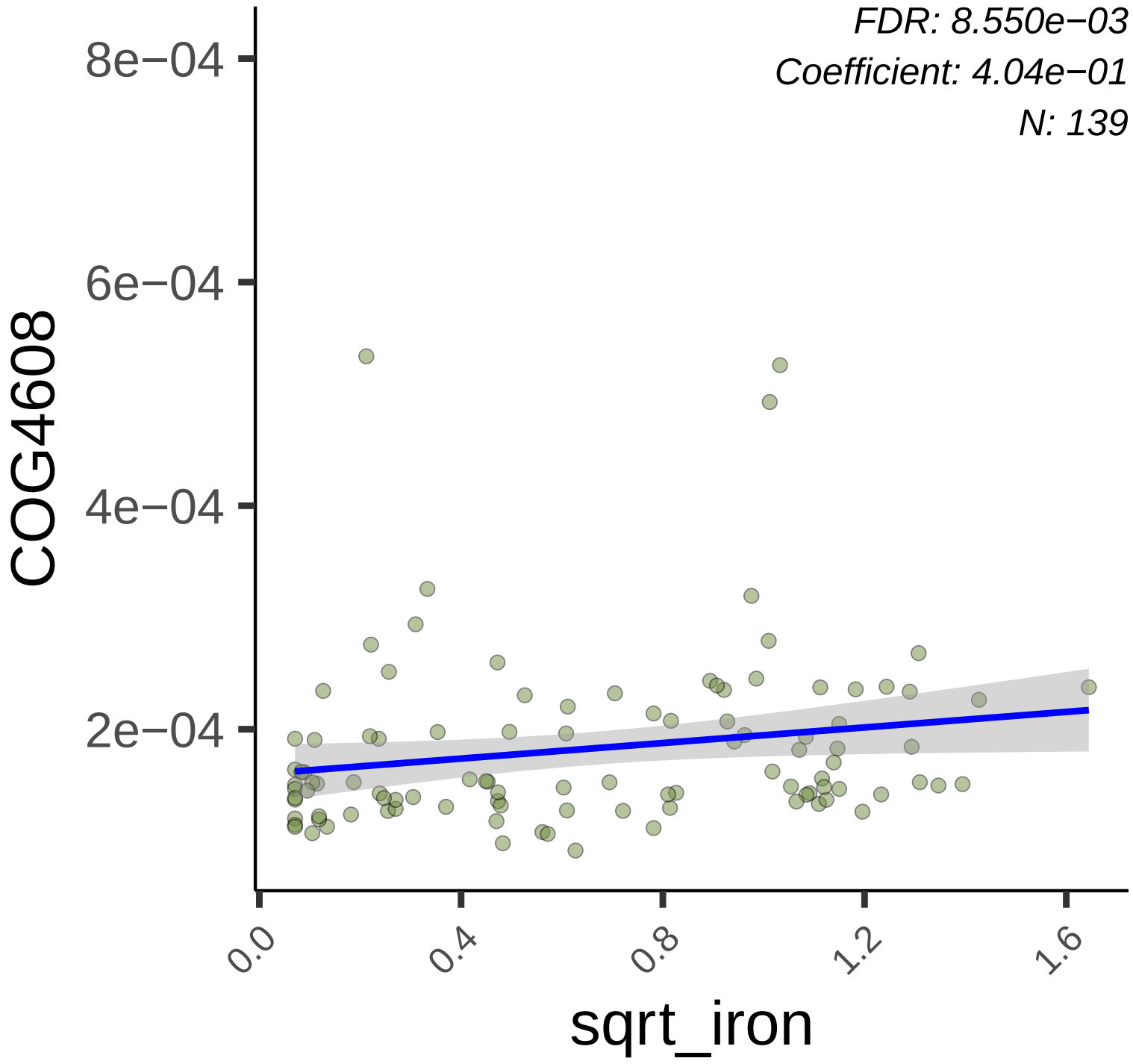
1.6
sqrt_iron


FDR: 8.550e−03
Coefficient: 4.04e−01
N: 139
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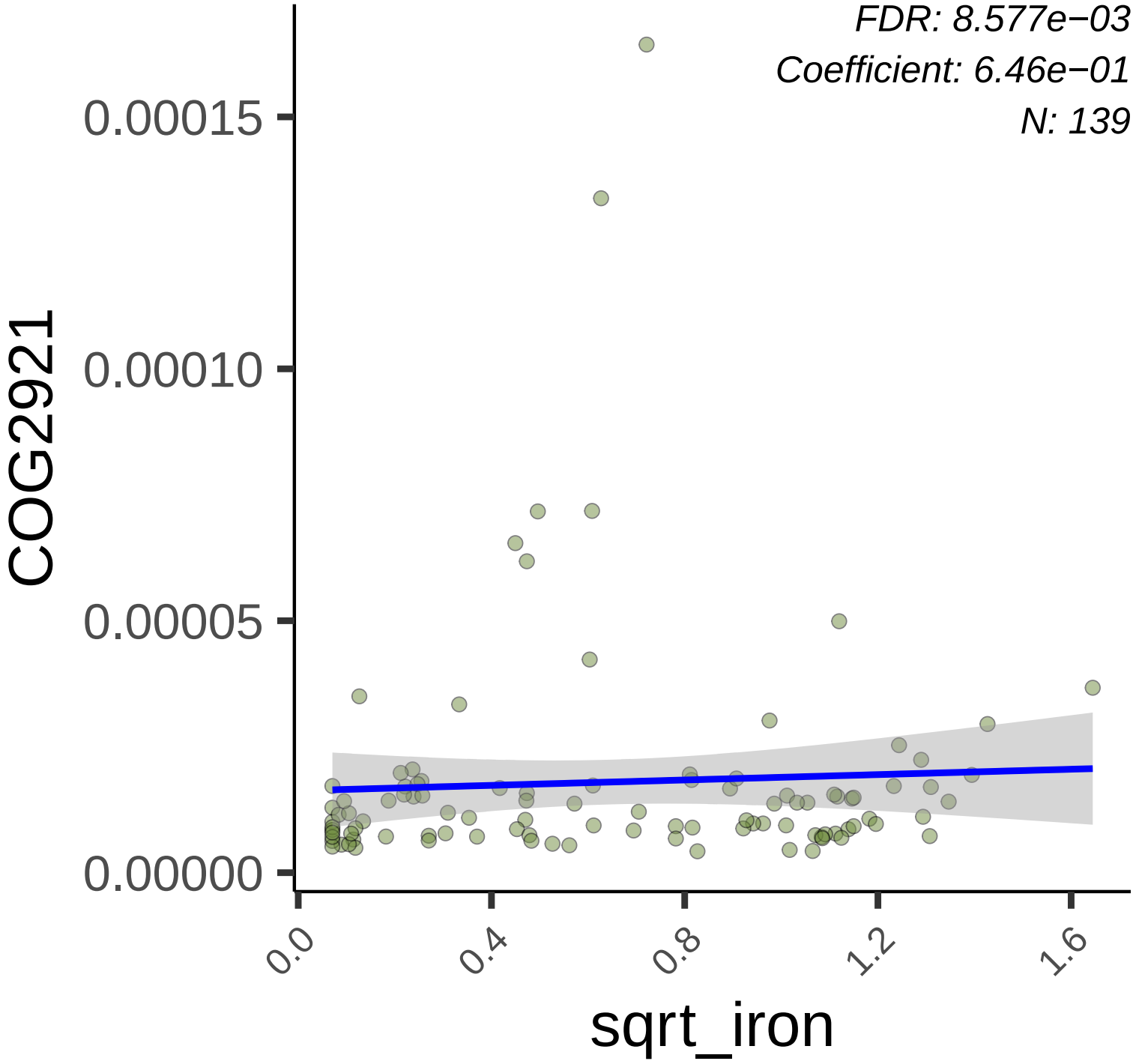
0.8
1.2
1.6
sqrt_iron


FDR: 8.577e−03
Coefficient: 6.46e−01
N: 139
COG2921
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0.00000
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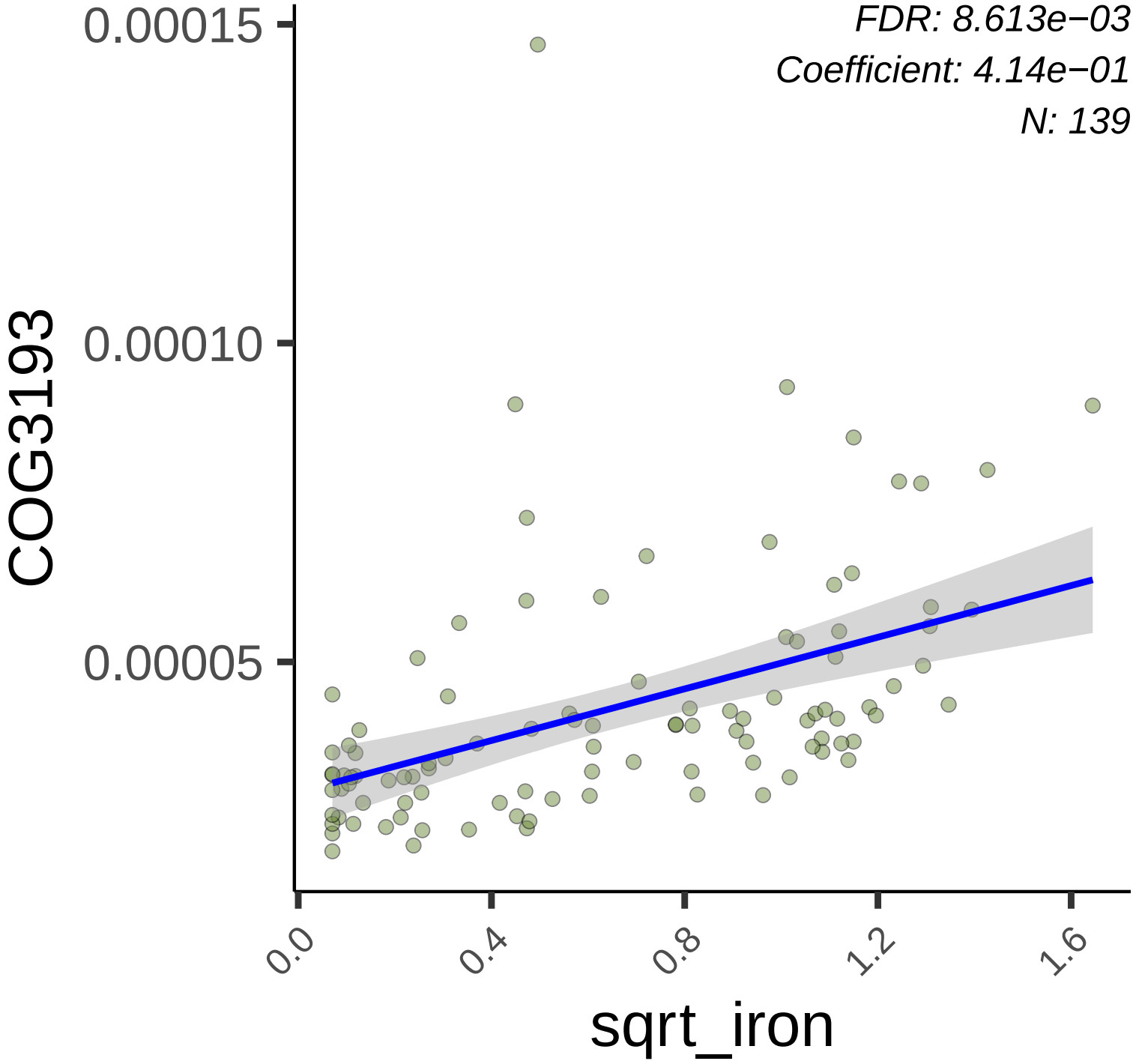
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.613e−03
Coefficient: 4.14e−01
N: 139
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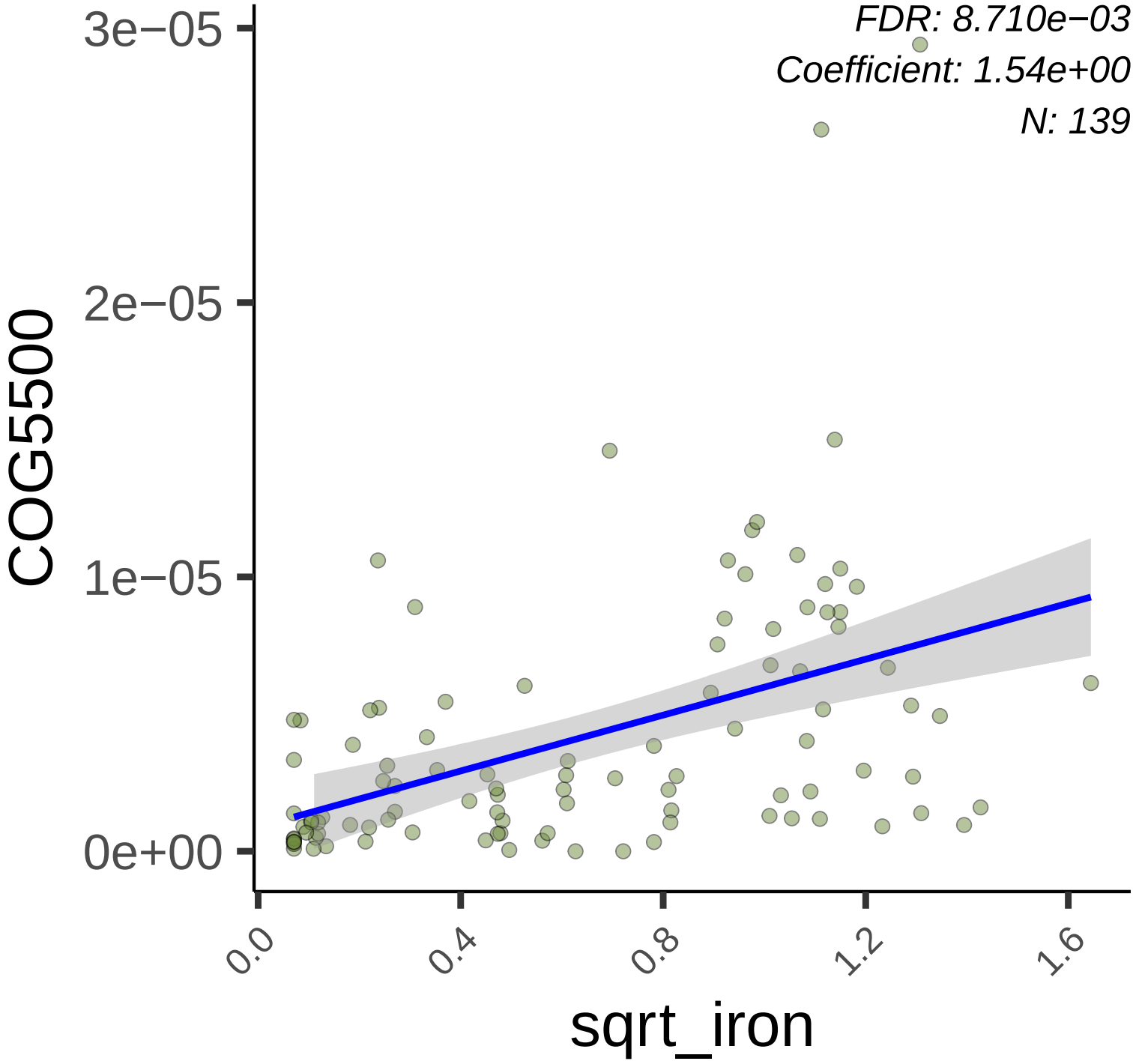
0.8
1.2
1.6
sqrt_iron


FDR: 8.710e−03
Coefficient: 1.54e+00
N: 139
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0e+00
COG5500
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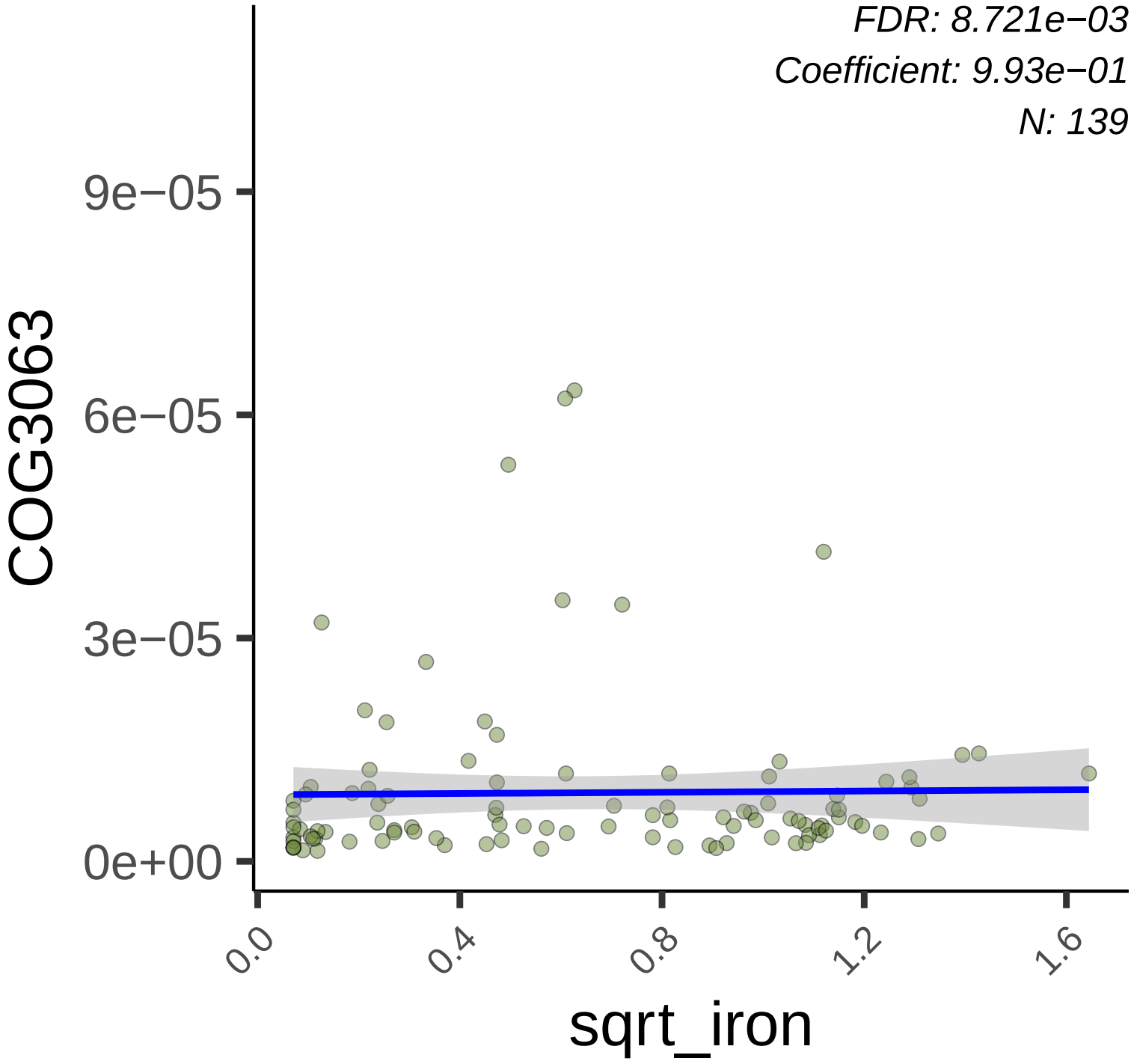
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.721e−03
Coefficient: 9.93e−01
N: 139
COG3063
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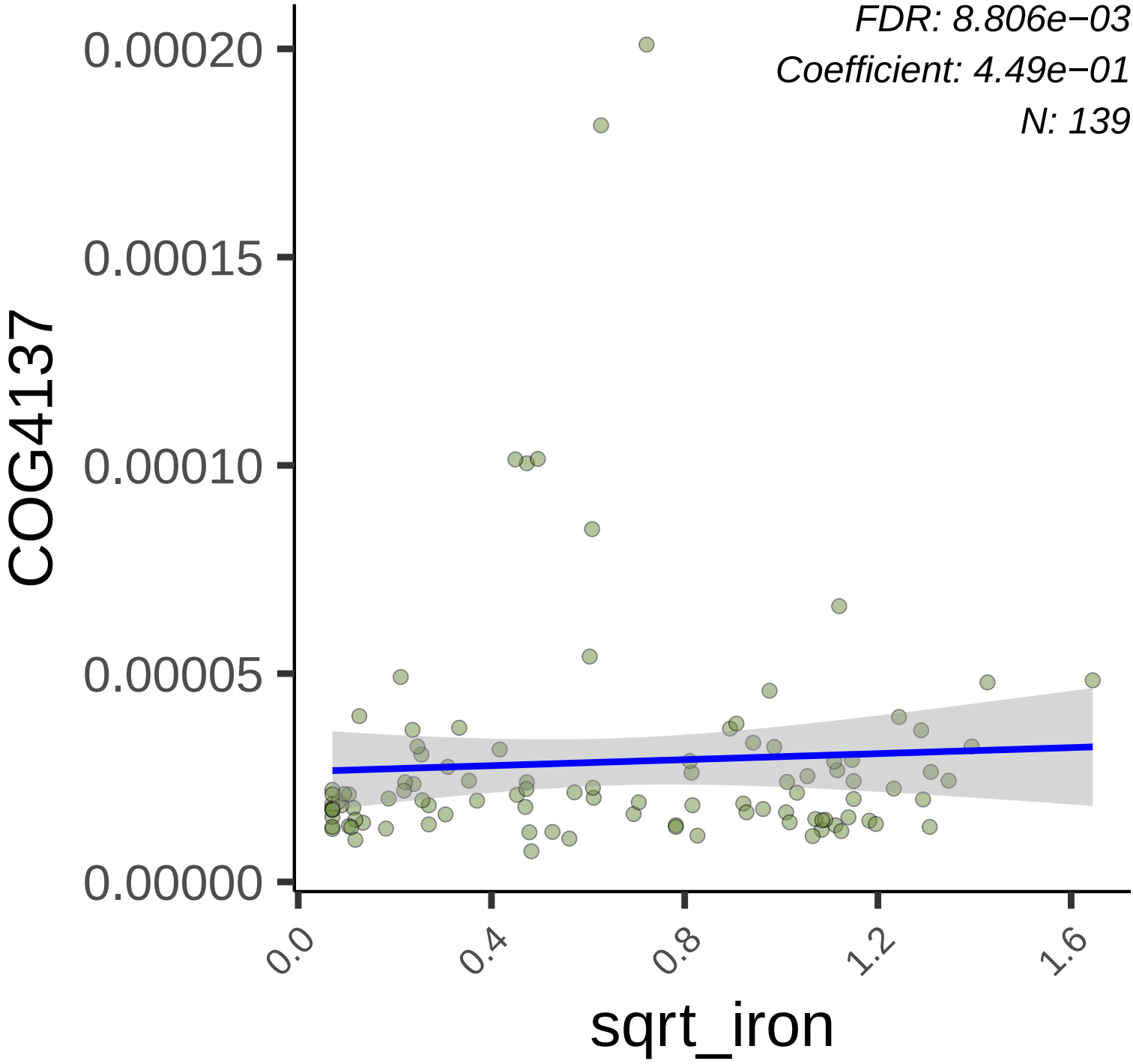
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.806e−03
Coefficient: 4.49e−01
N: 139
COG4137
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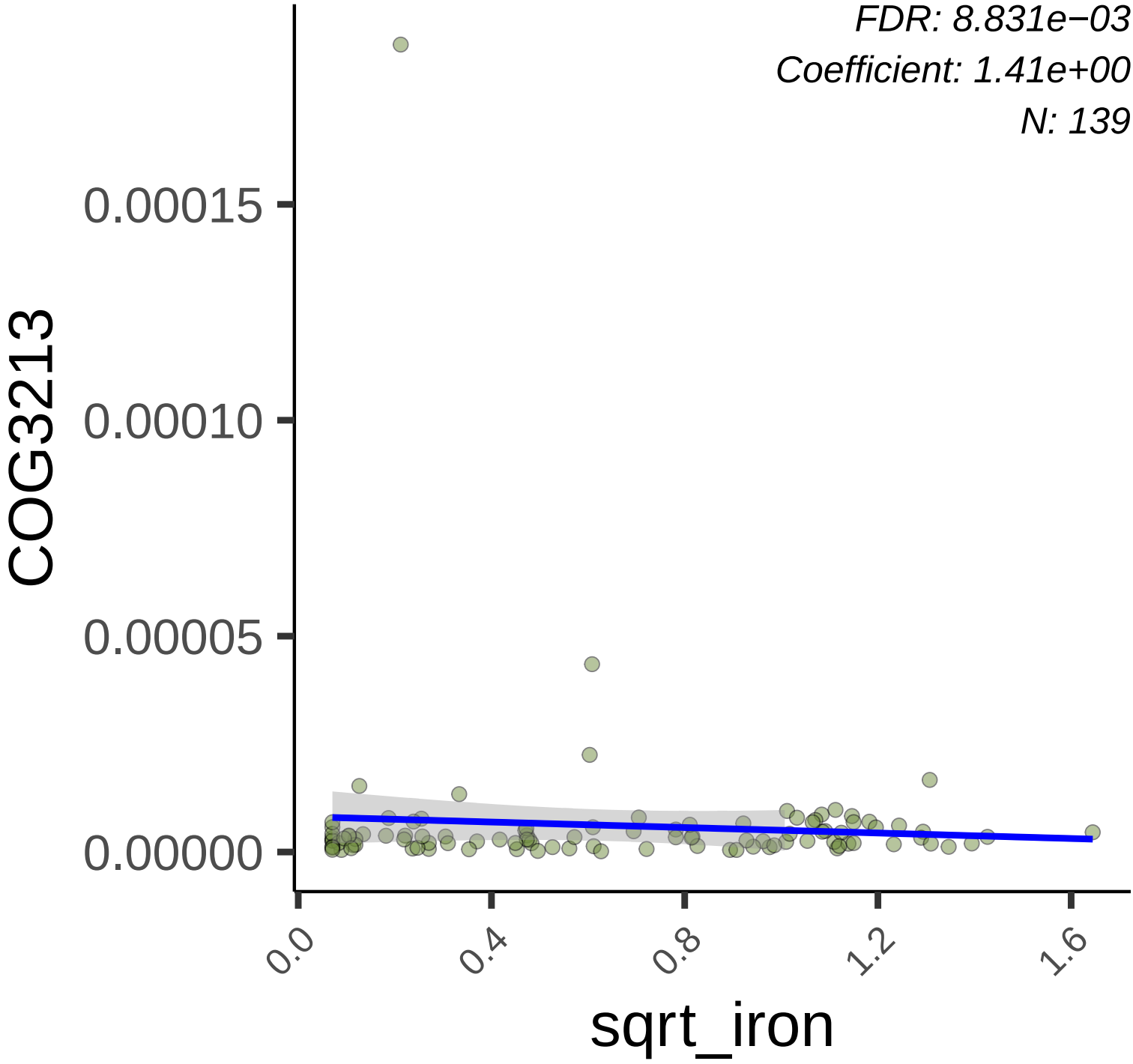
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.831e−03
Coefficient: 1.41e+00
N: 139
COG3213
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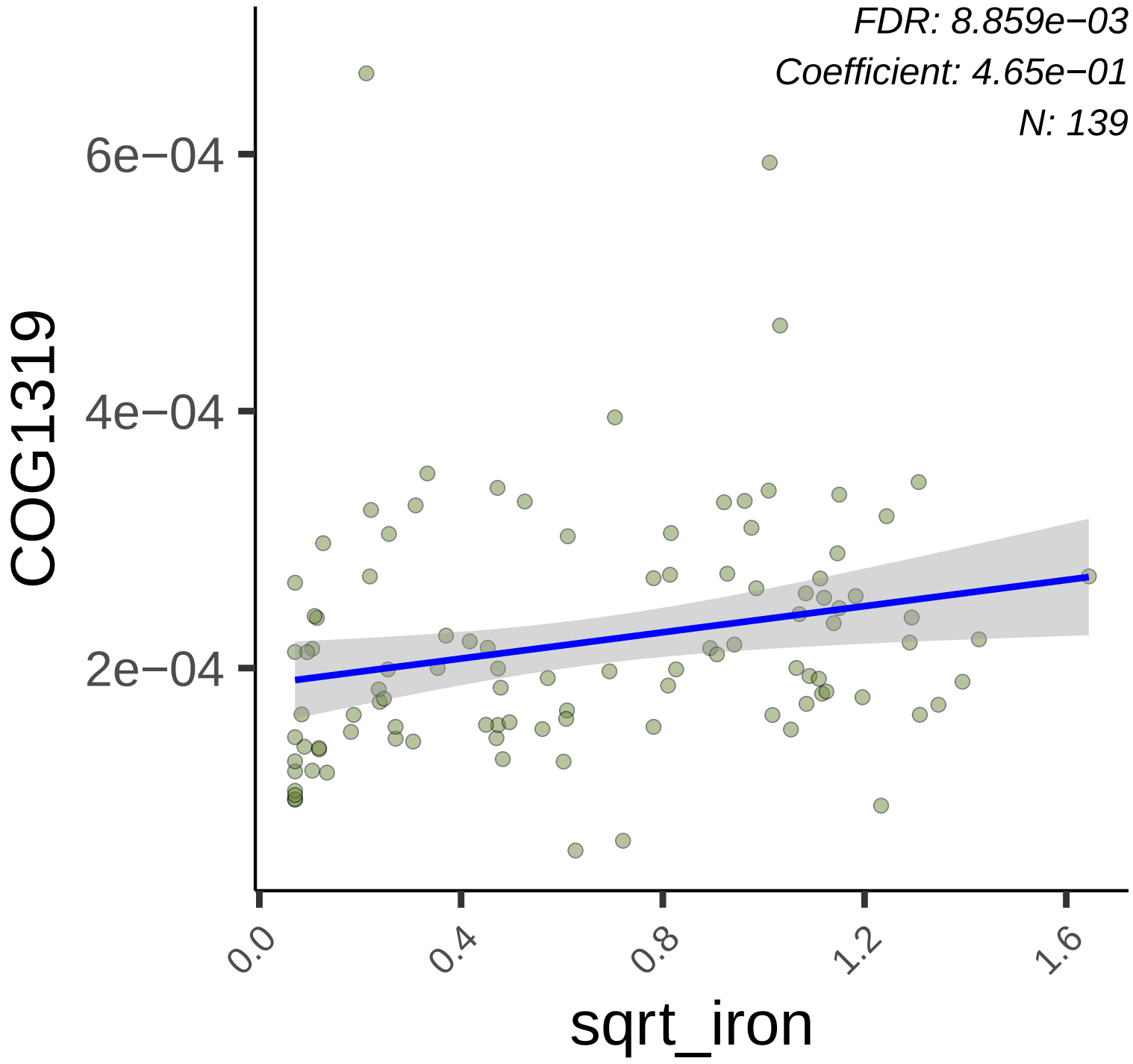
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 8.859e−03
Coefficient: 4.65e−01
N: 139
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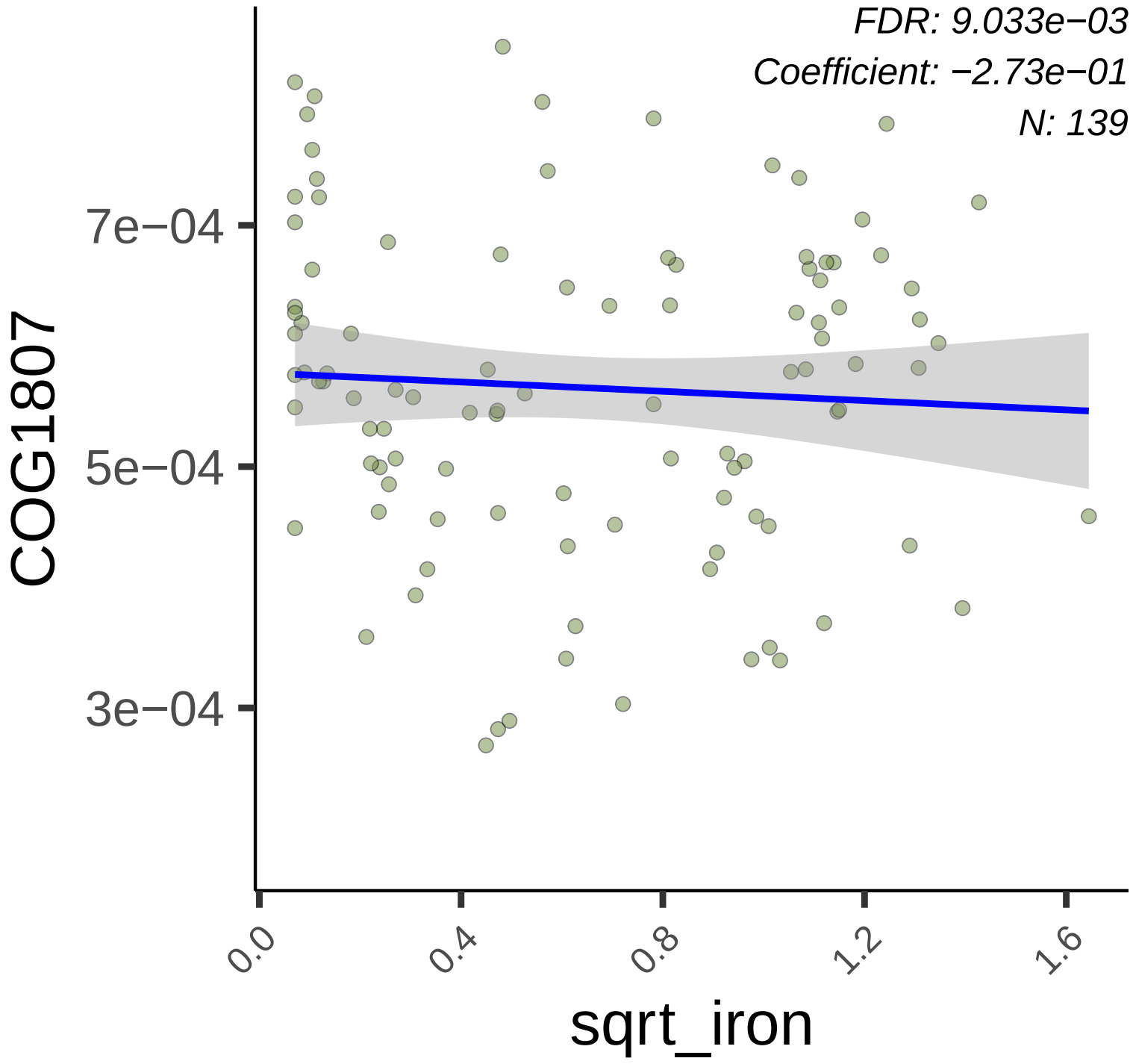
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 9.033e−03
Coefficient: −2.73e−01
N: 139
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0.4
0.8
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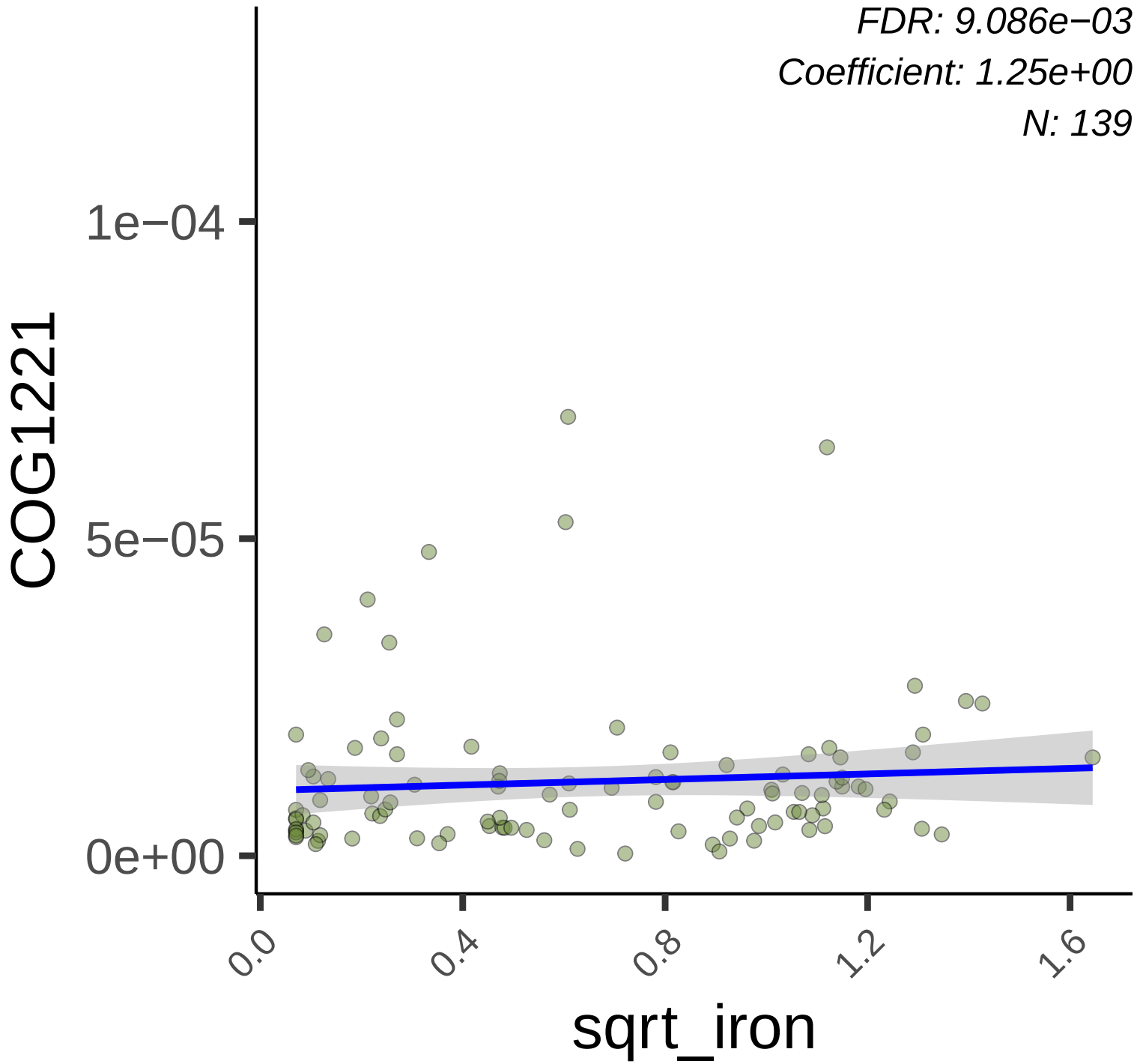
sqrt_iron


FDR: 9.086e−03
Coefficient: 1.25e+00
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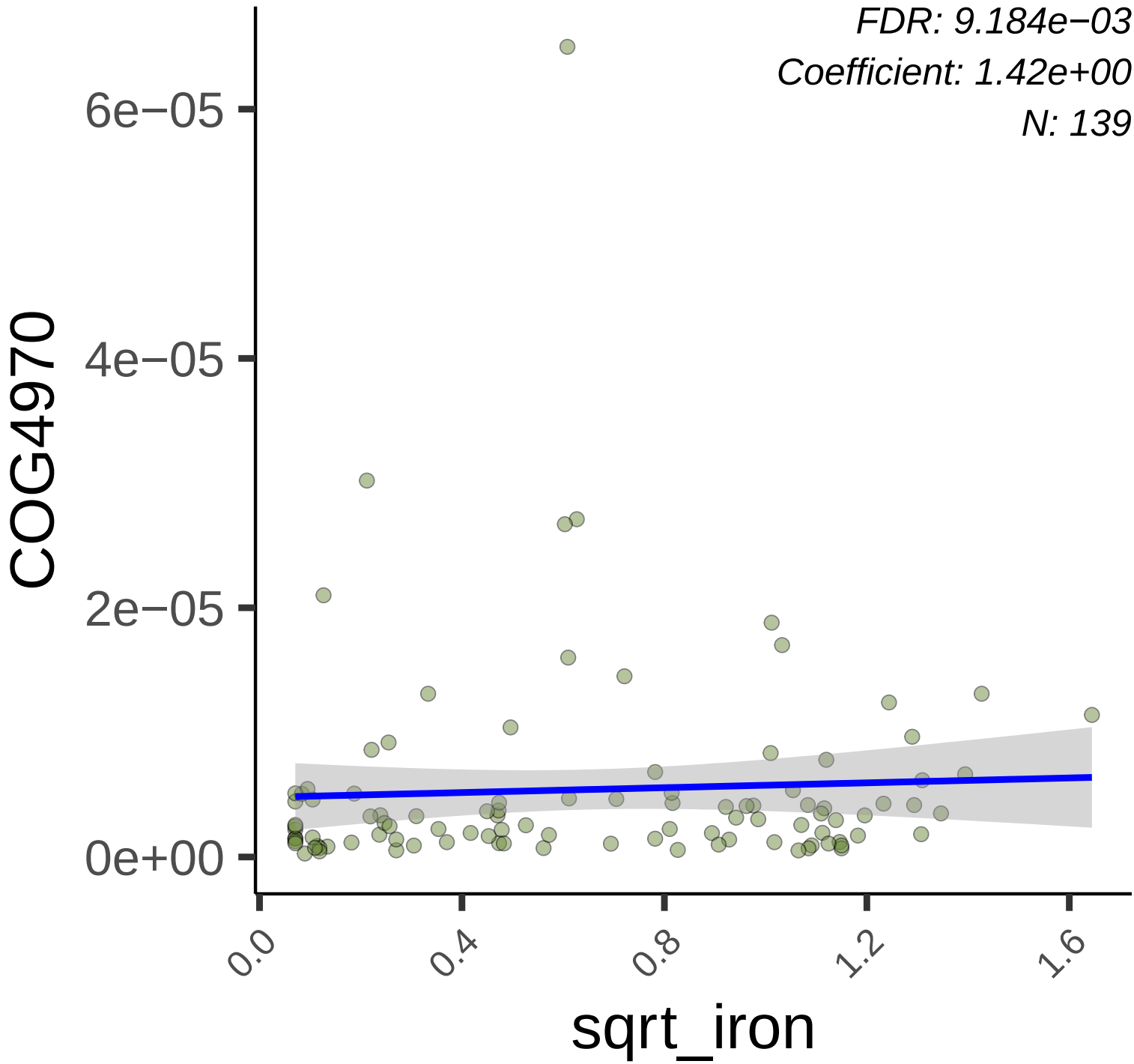
1.6
sqrt_iron


FDR: 9.184e−03
Coefficient: 1.42e+00
N: 139
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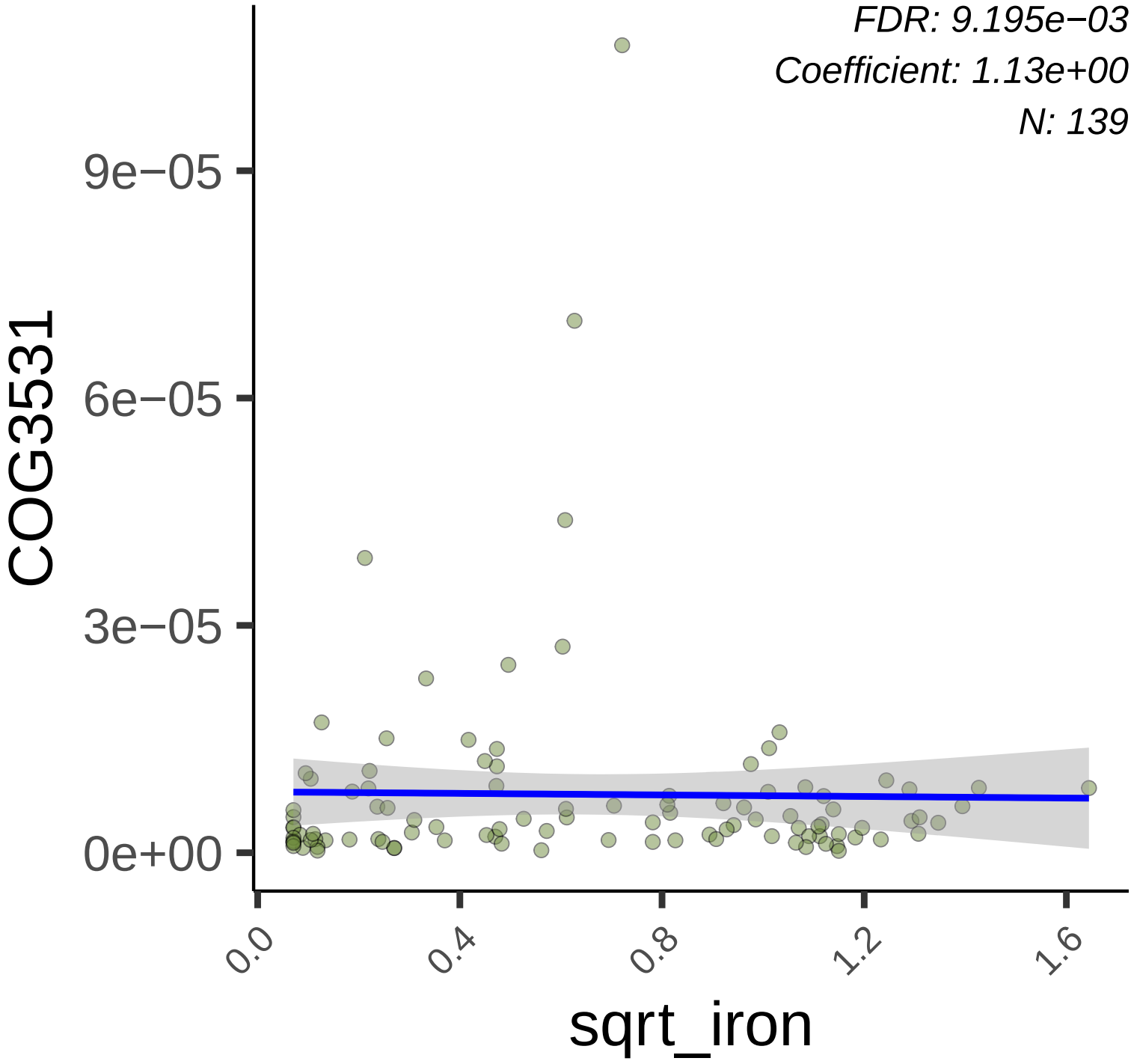
0.8
1.2
1.6
sqrt_iron


FDR: 9.195e−03
Coefficient: 1.13e+00
N: 139
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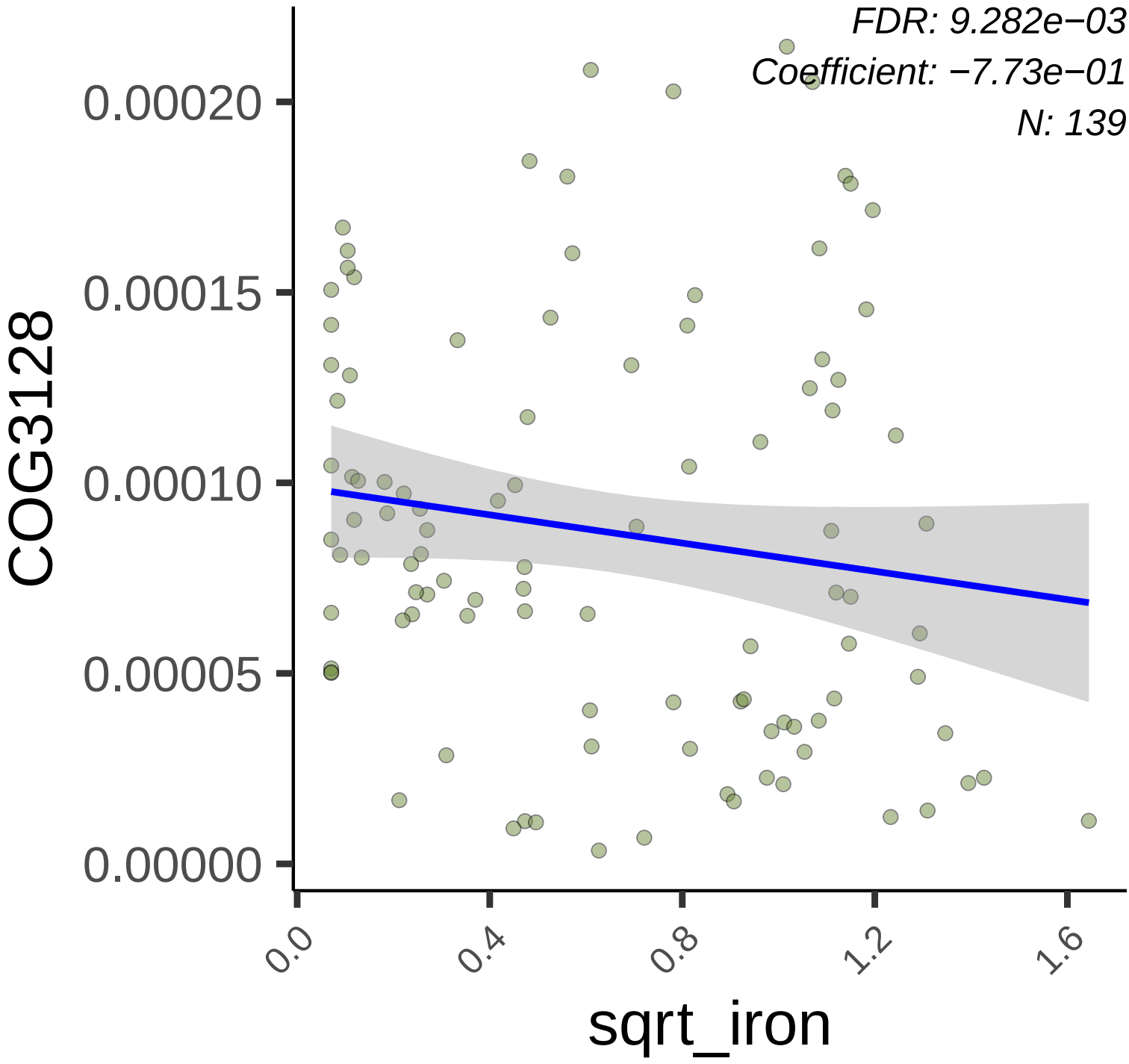
1.6
sqrt_iron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Coefficient: −7.73e−01
N: 139
COG3128
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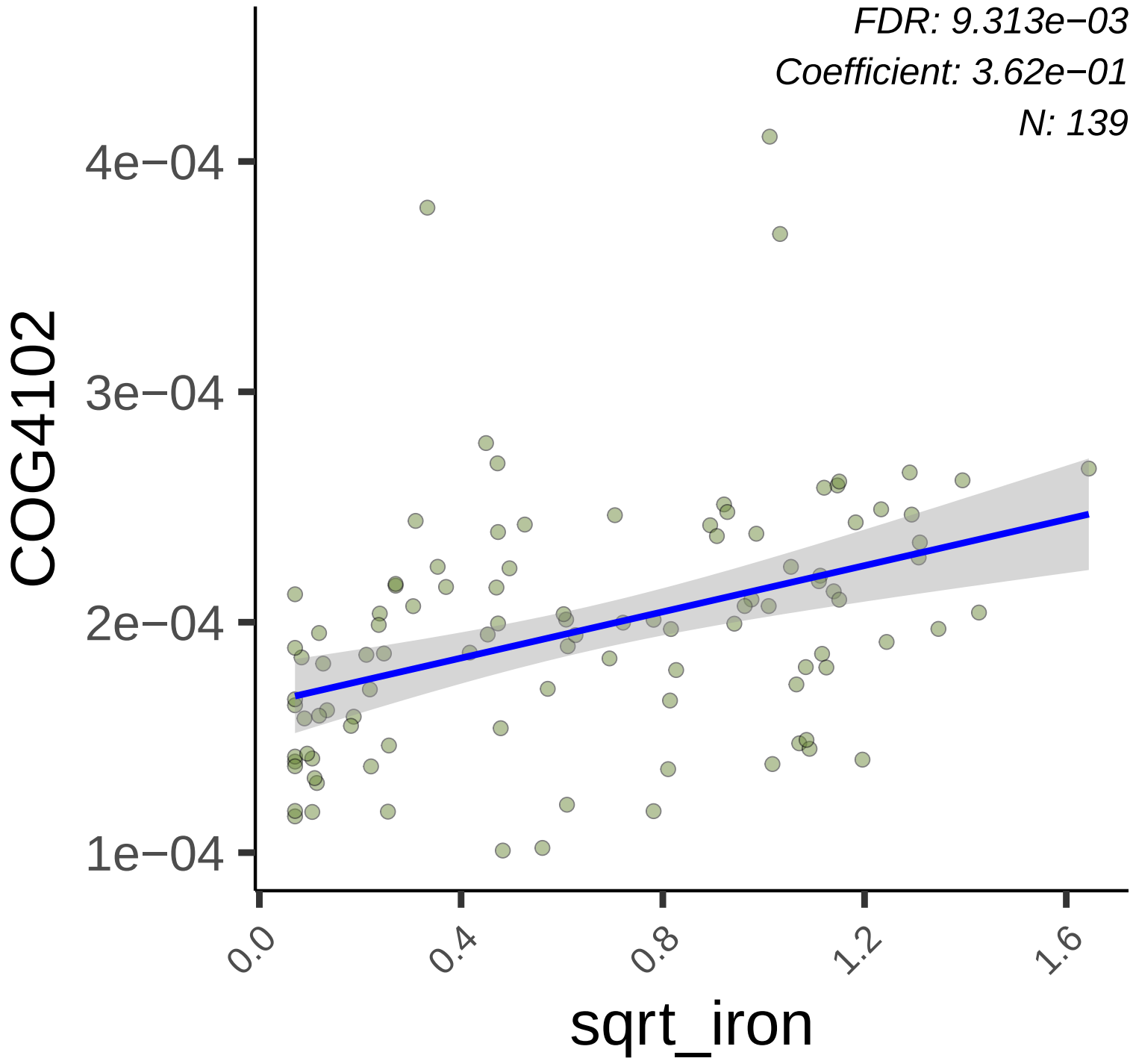
1.6
sqrt_iron


FDR: 9.313e−03
Coefficient: 3.62e−01
N: 139
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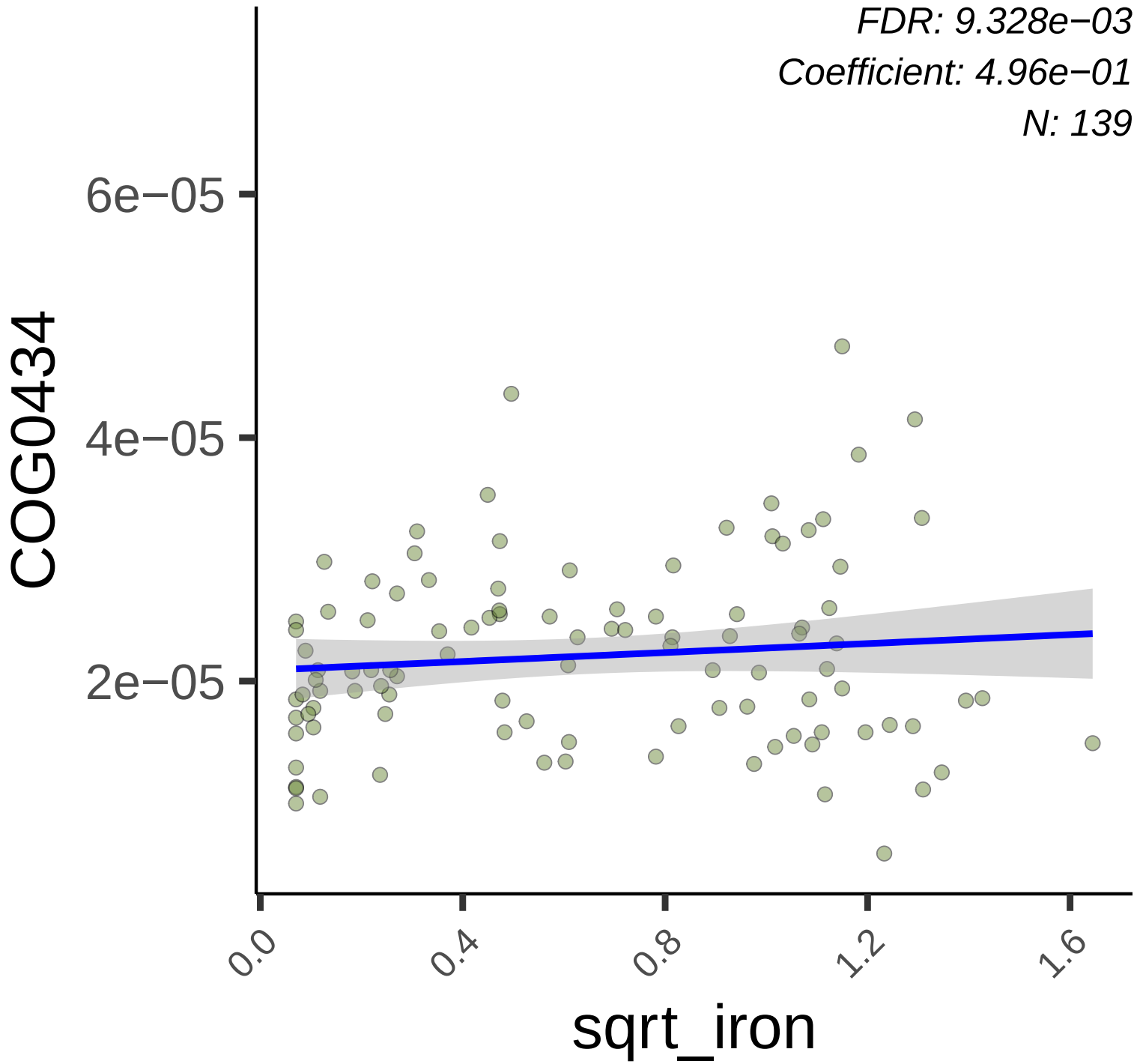
1.6
sqrt_iron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Coefficient: 4.96e−01
N: 139
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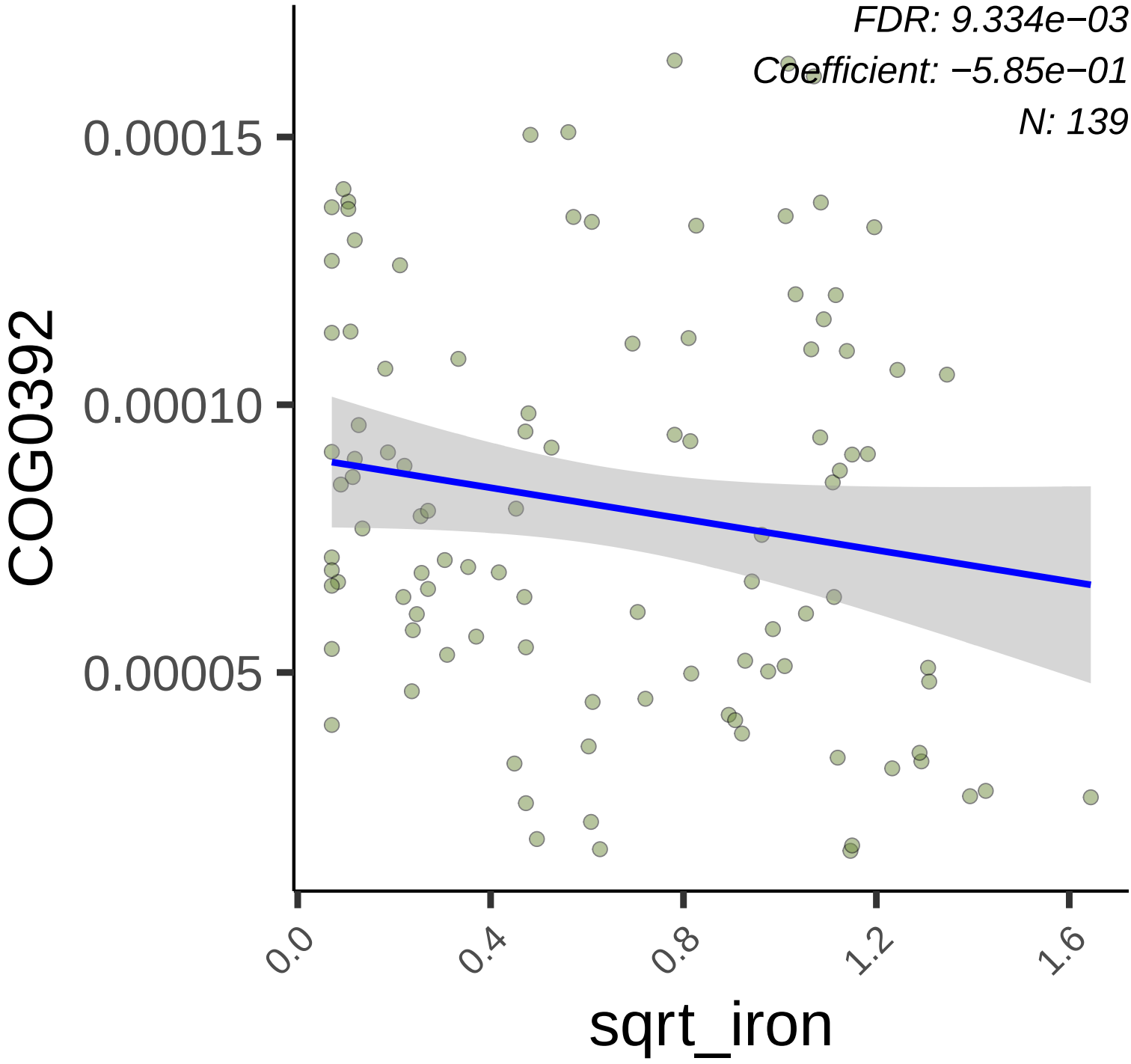
sqrt_iron


FDR: 9.334e−03
Coefficient: −5.85e−01
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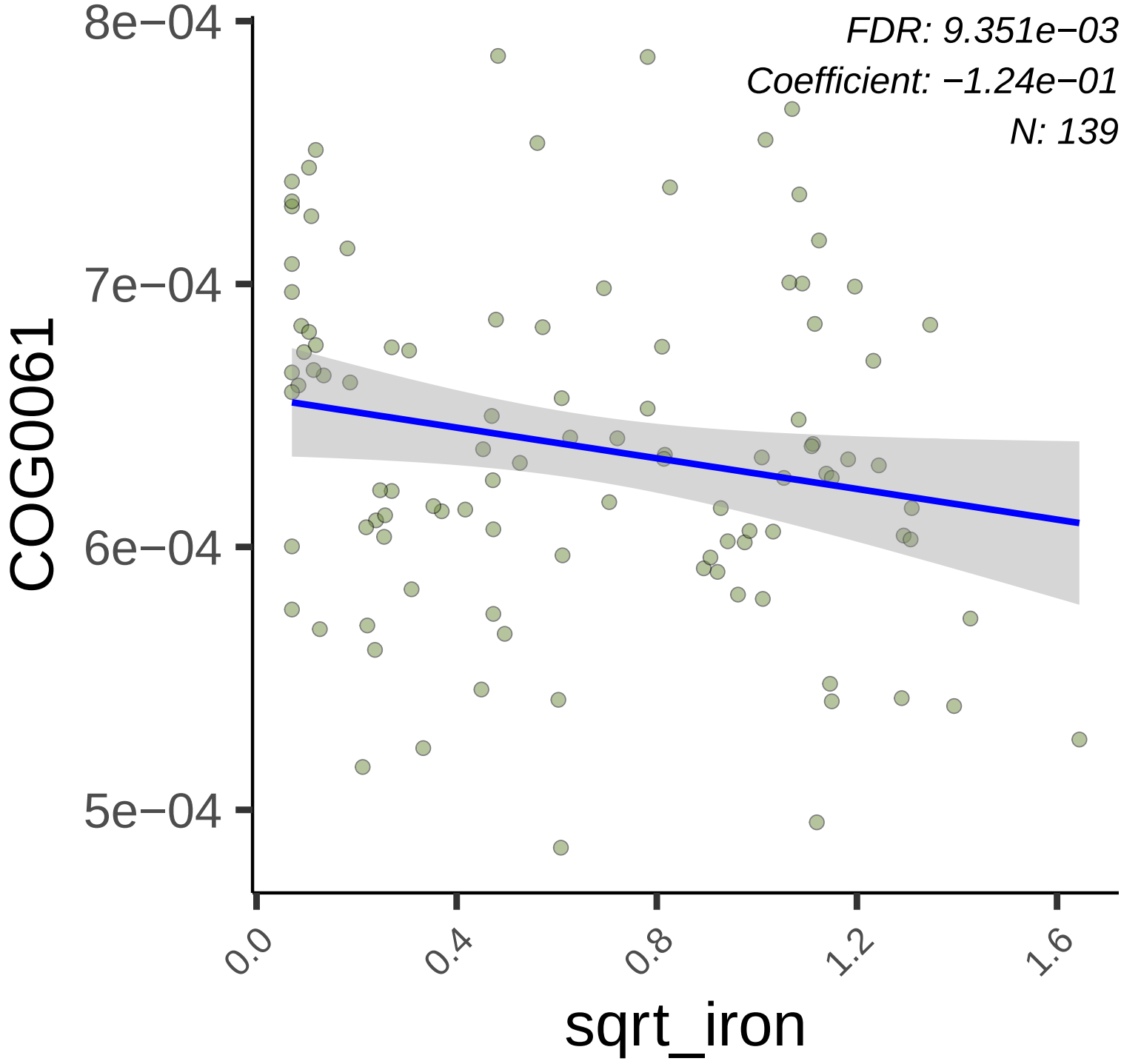
sqrt_iron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Coefficient: −1.24e−01
N: 139
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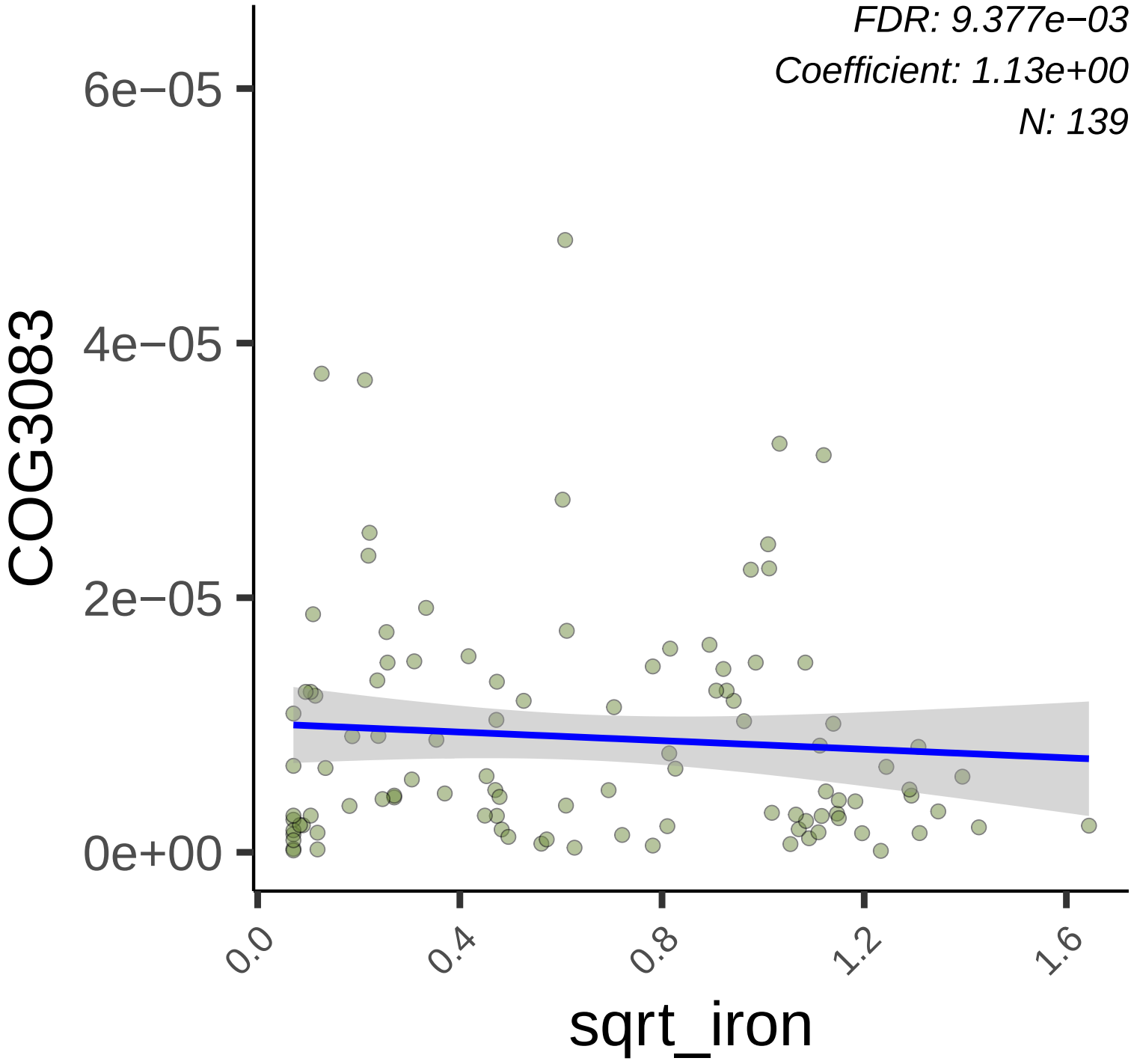
sqrt_iron


FDR: 9.377e−03
Coefficient: 1.13e+00
N: 139
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2e−05
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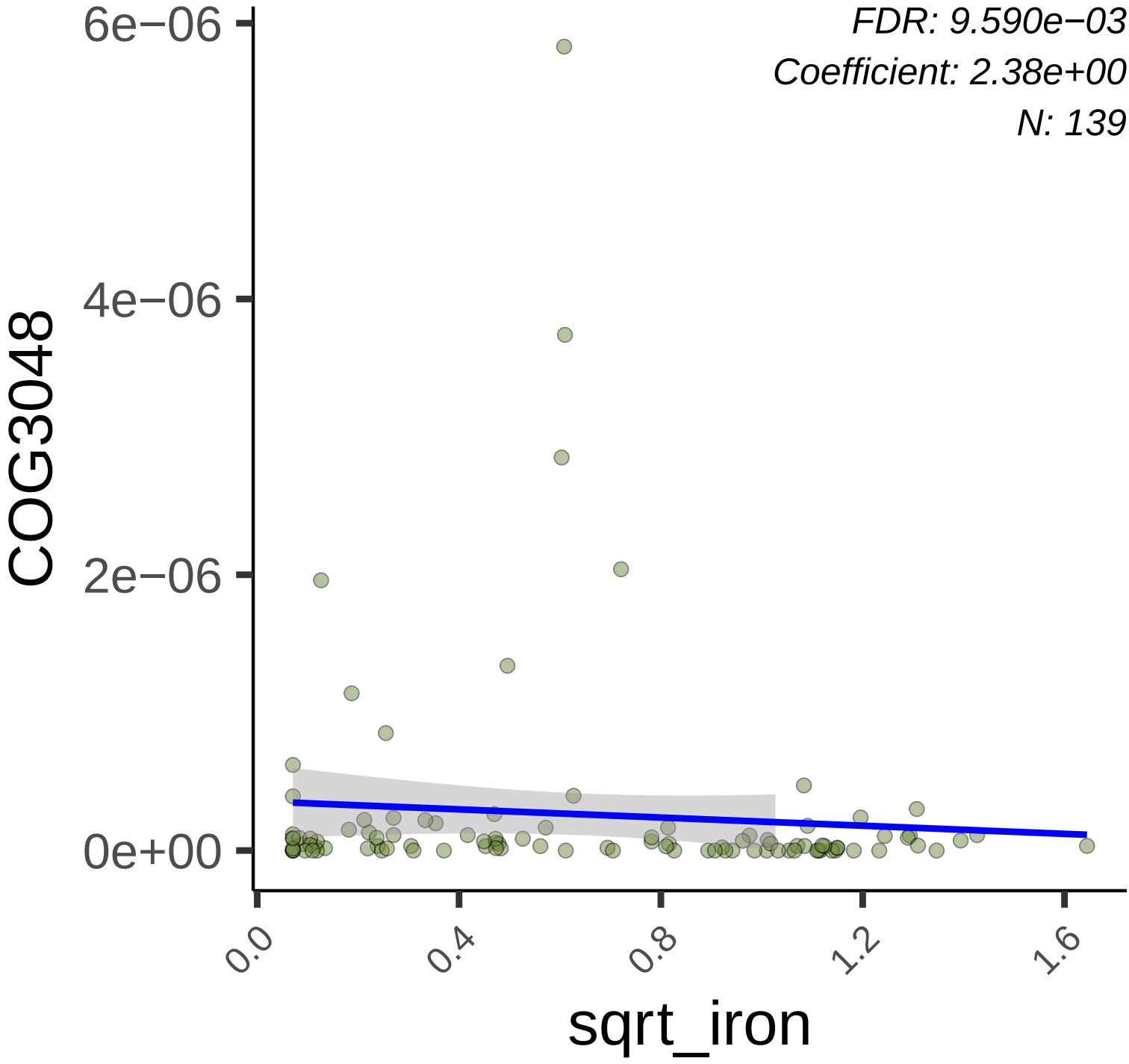
1.2
1.6
sqrt_iron


FDR: 9.590e−03
Coefficient: 2.38e+00
N: 139
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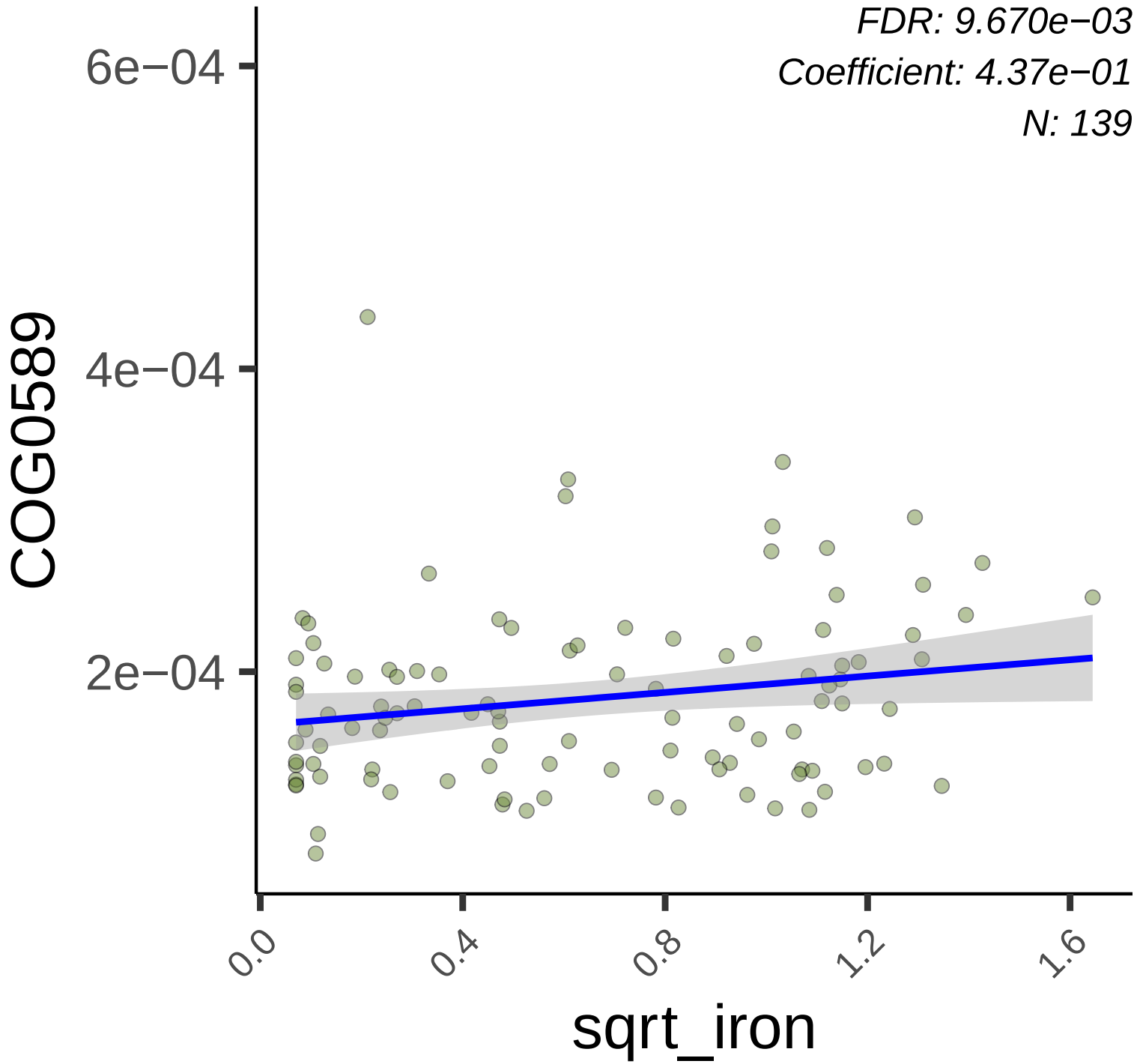
1.2
1.6
sqrt_iron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Coefficient: 4.37e−01
N: 139
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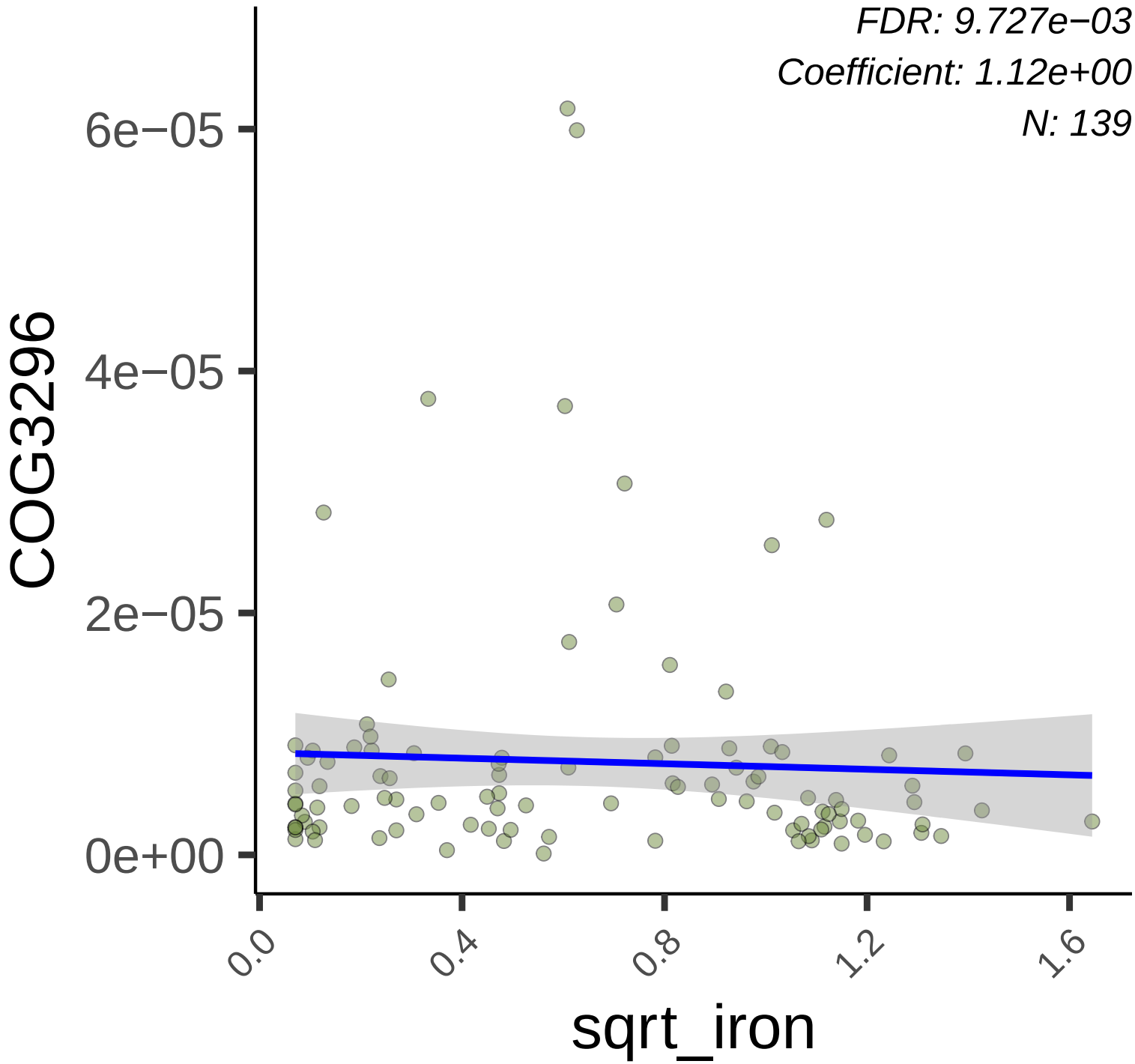
sqrt_iron


FDR: 9.727e−03
Coefficient: 1.12e+00
N: 139
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2e−05
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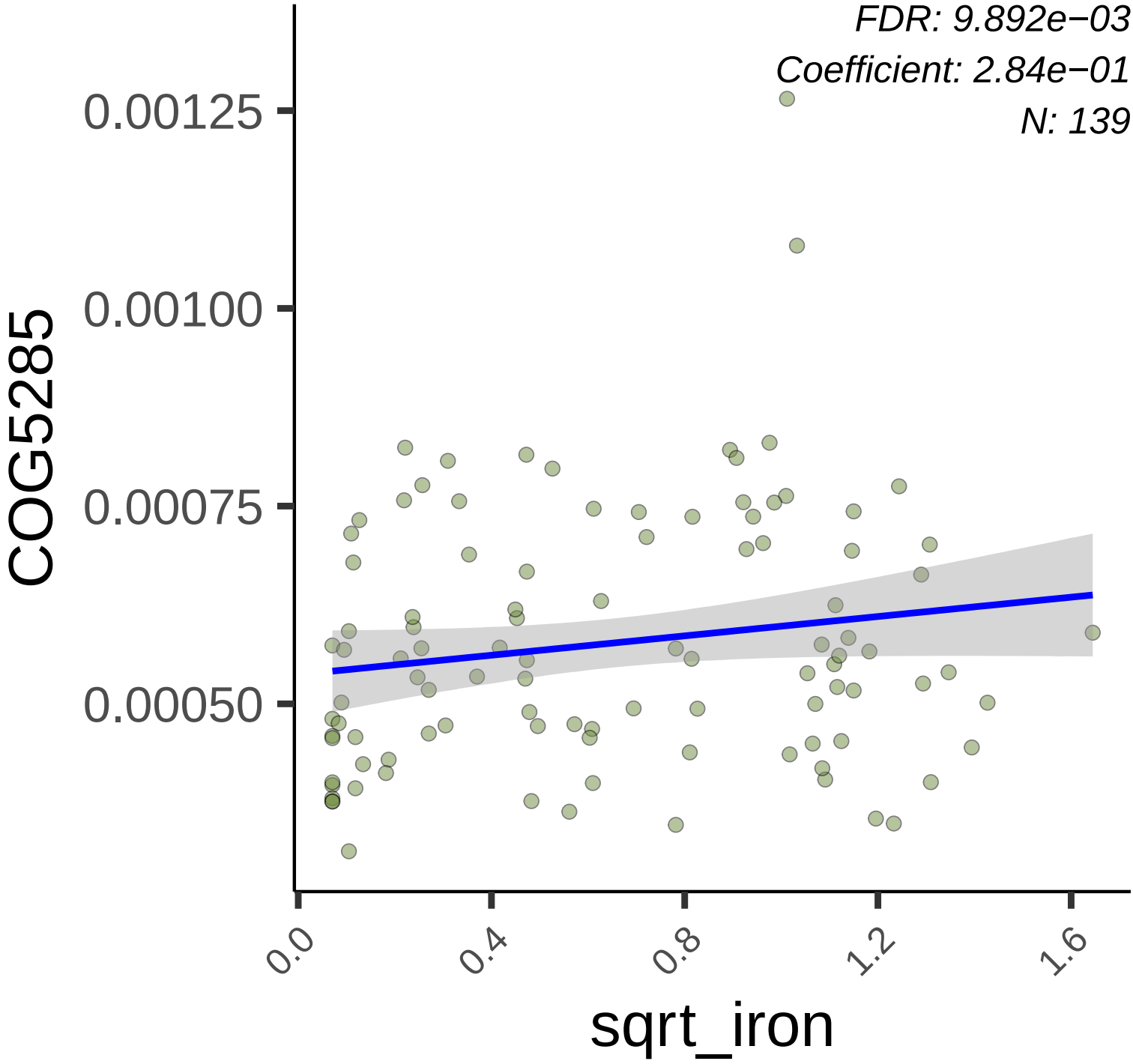
0.8
1.2
1.6
sqrt_iron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Coefficient: 2.84e−01
N: 139
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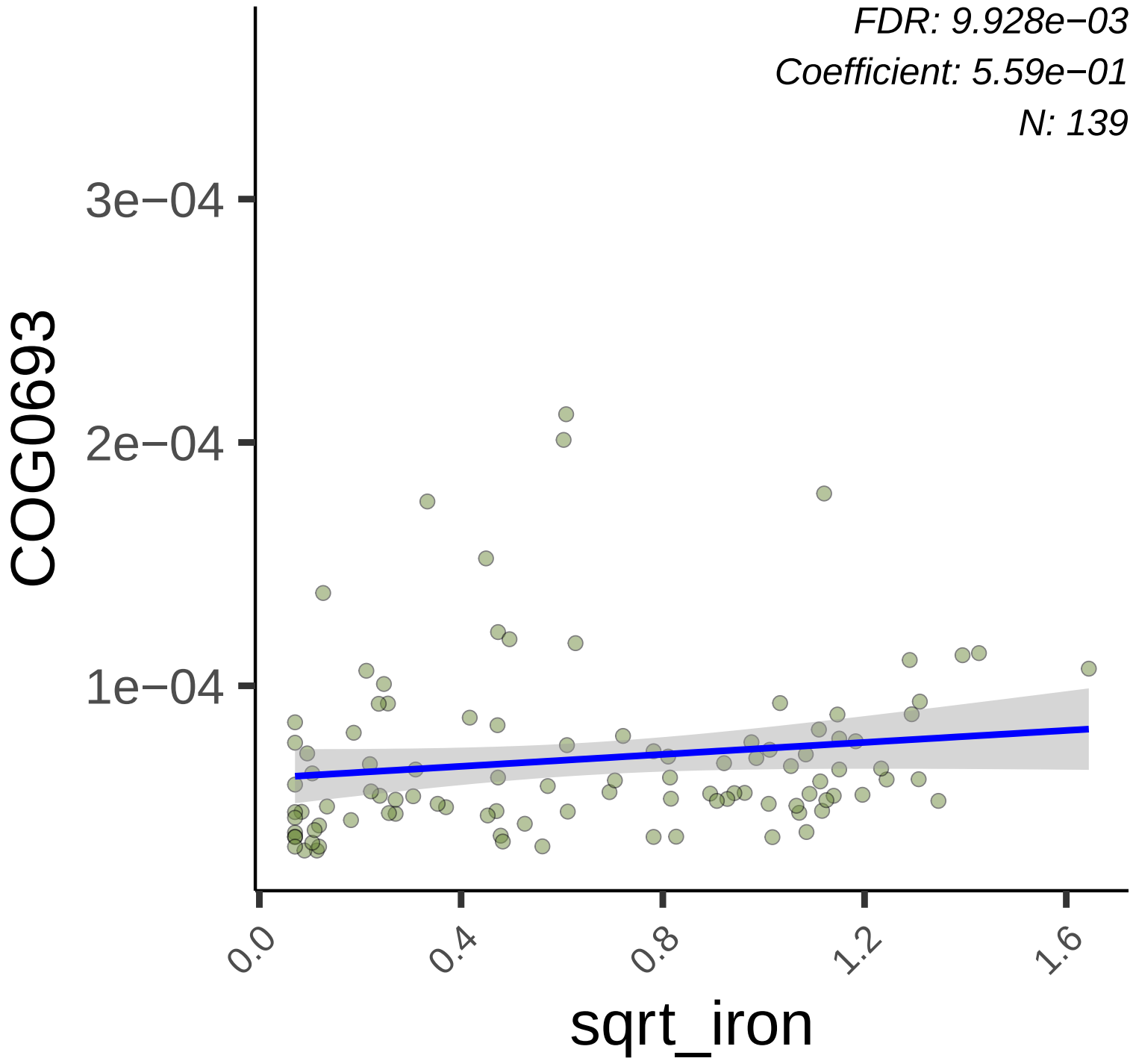
1.6
sqrt_iron


FDR: 9.928e−03
Coefficient: 5.59e−01
N: 139
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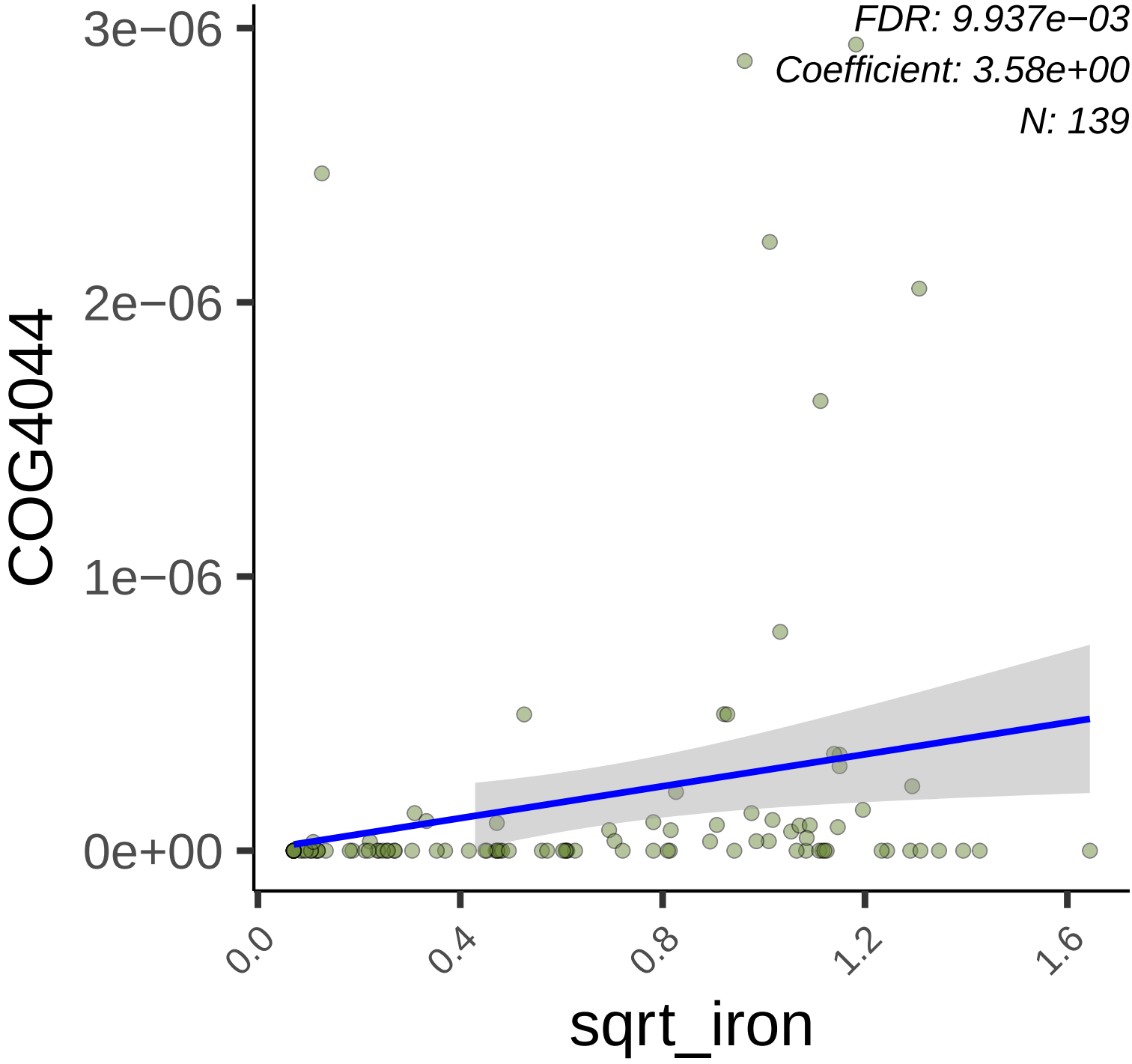
1.2
1.6
sqrt_iron


FDR: 9.937e−03
Coefficient: 3.58e+00
N: 139
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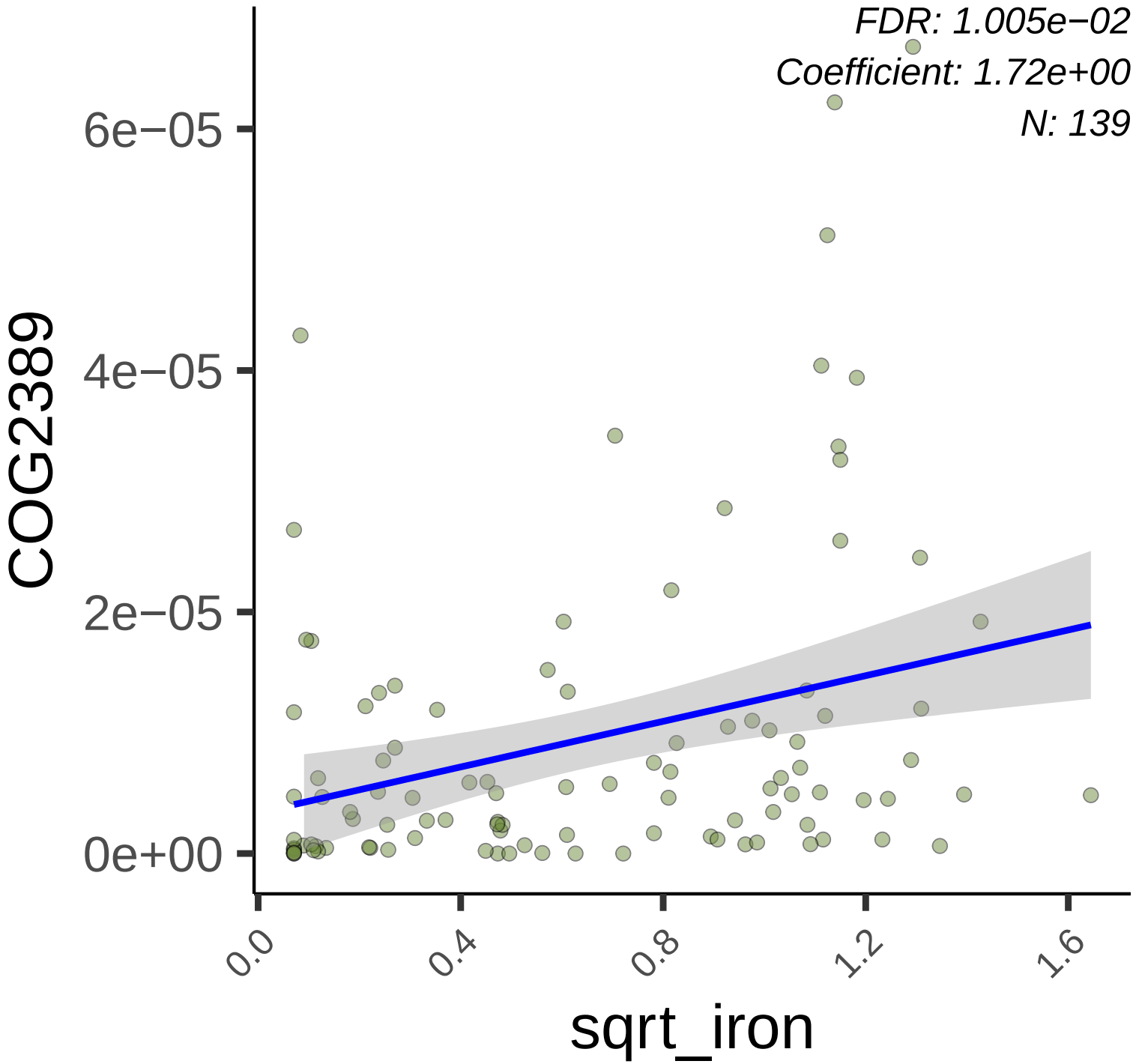
1.6
sqrt_iron


FDR: 1.005e−02
Coefficient: 1.72e+00
N: 139
COG2389
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0.4
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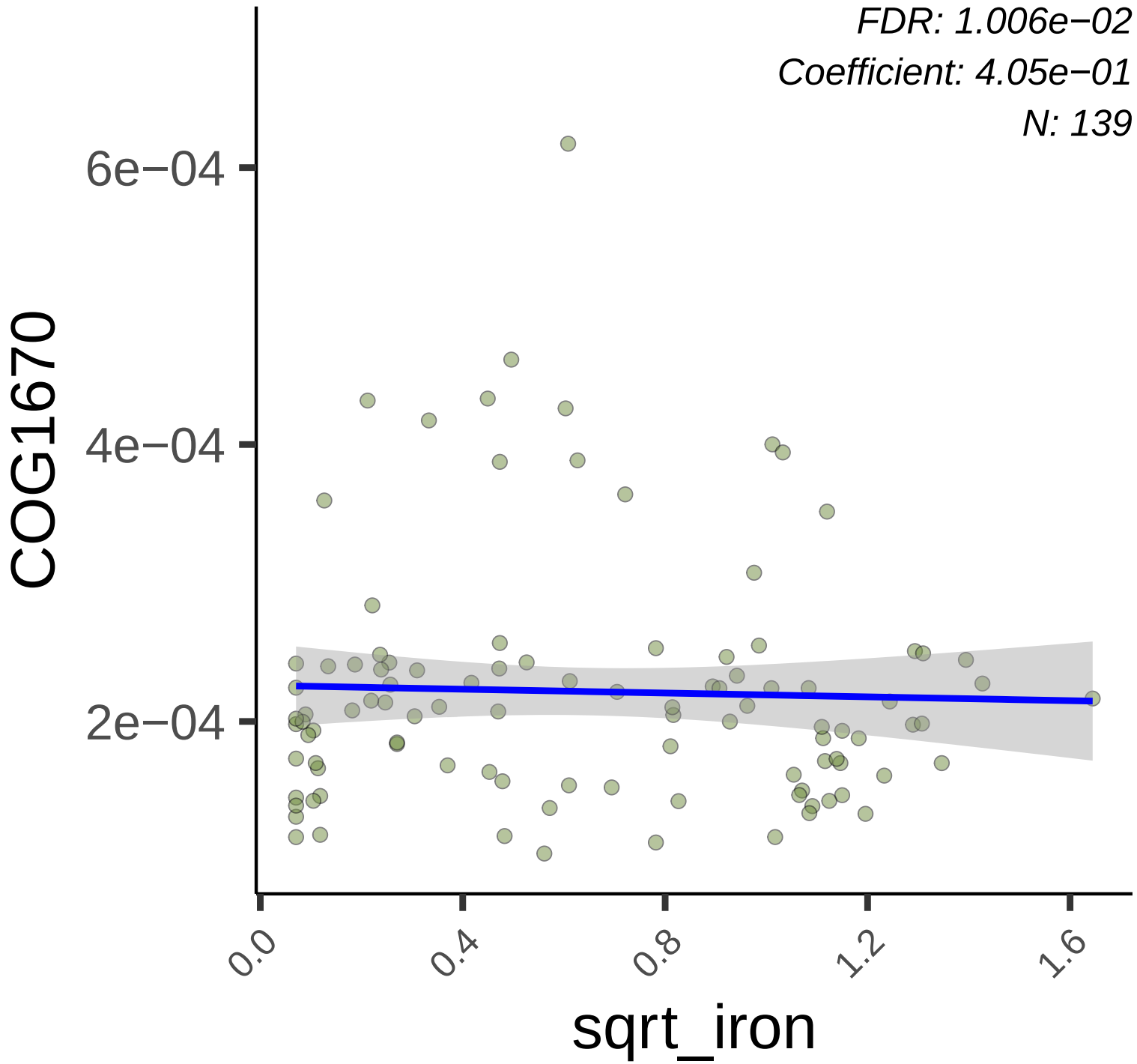
sqrt_iron


FDR: 1.006e−02
Coefficient: 4.05e−01
N: 139
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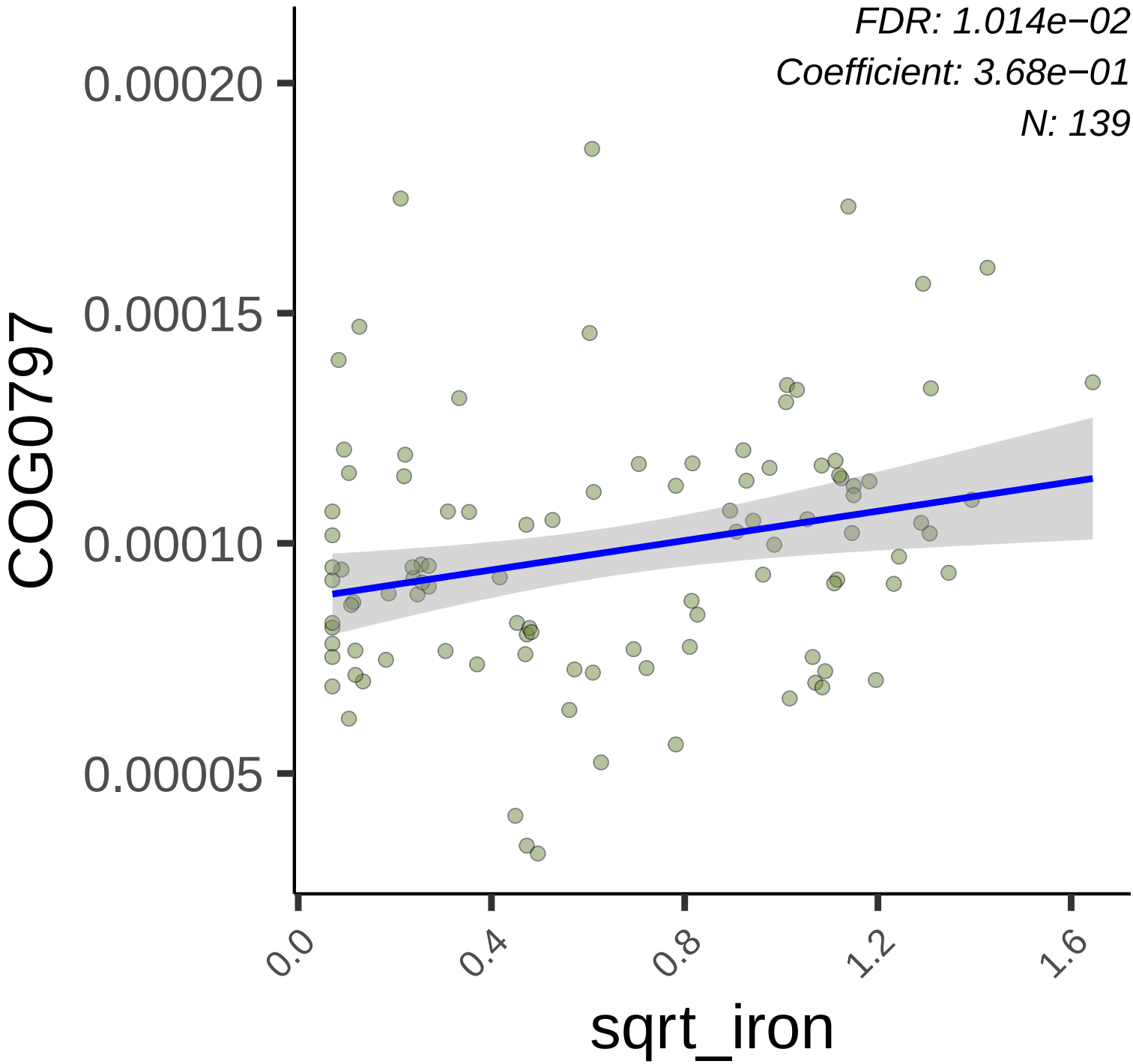
sqrt_iron


FDR: 1.014e−02
Coefficient: 3.68e−01
N: 139
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0.00005
COG0797
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0.4
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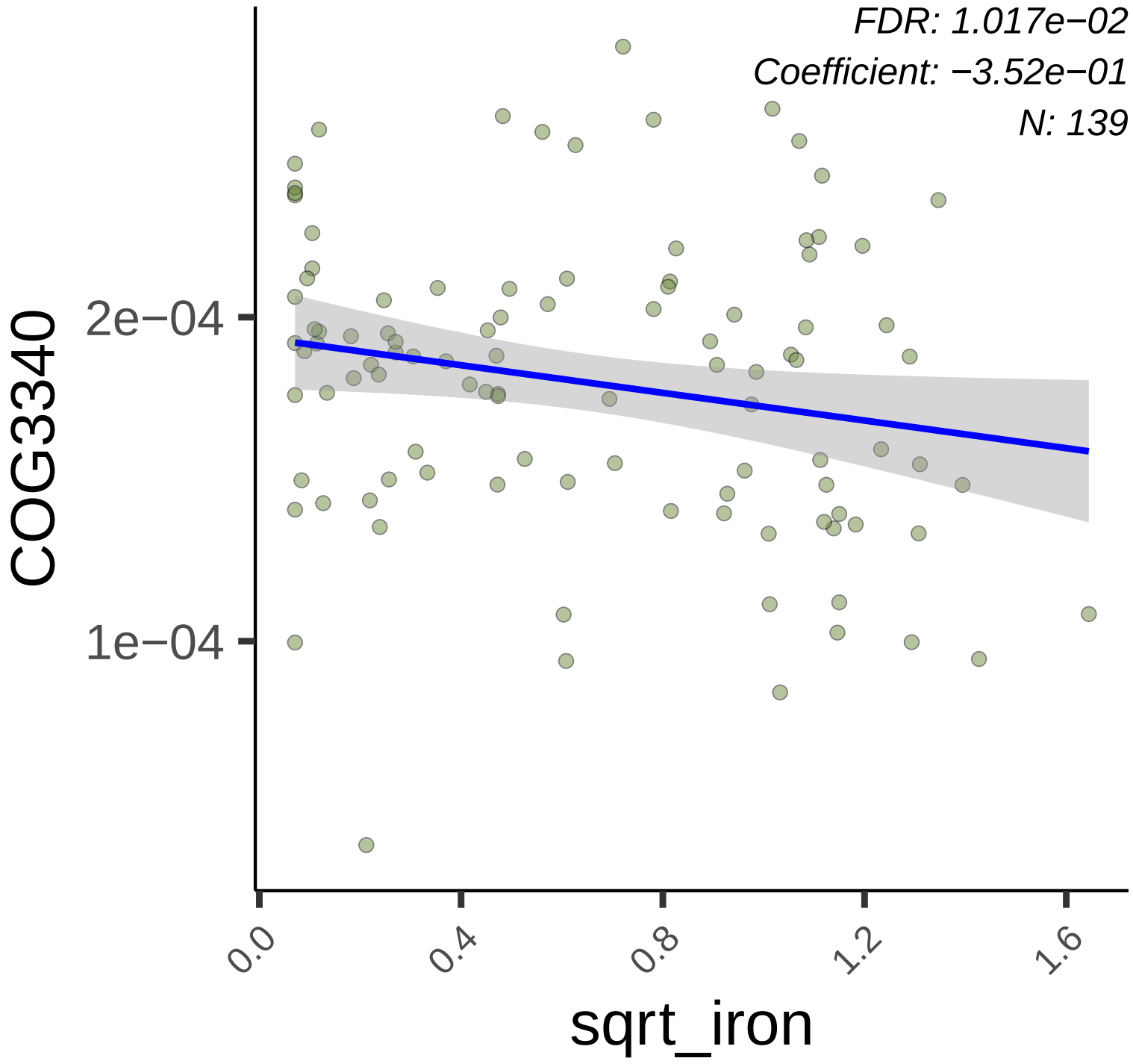
1.2
1.6
sqrt_iron


FDR: 1.017e−02
Coefficient: −3.52e−01
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COG3340
2e−04
1e−04
0.0
0.4
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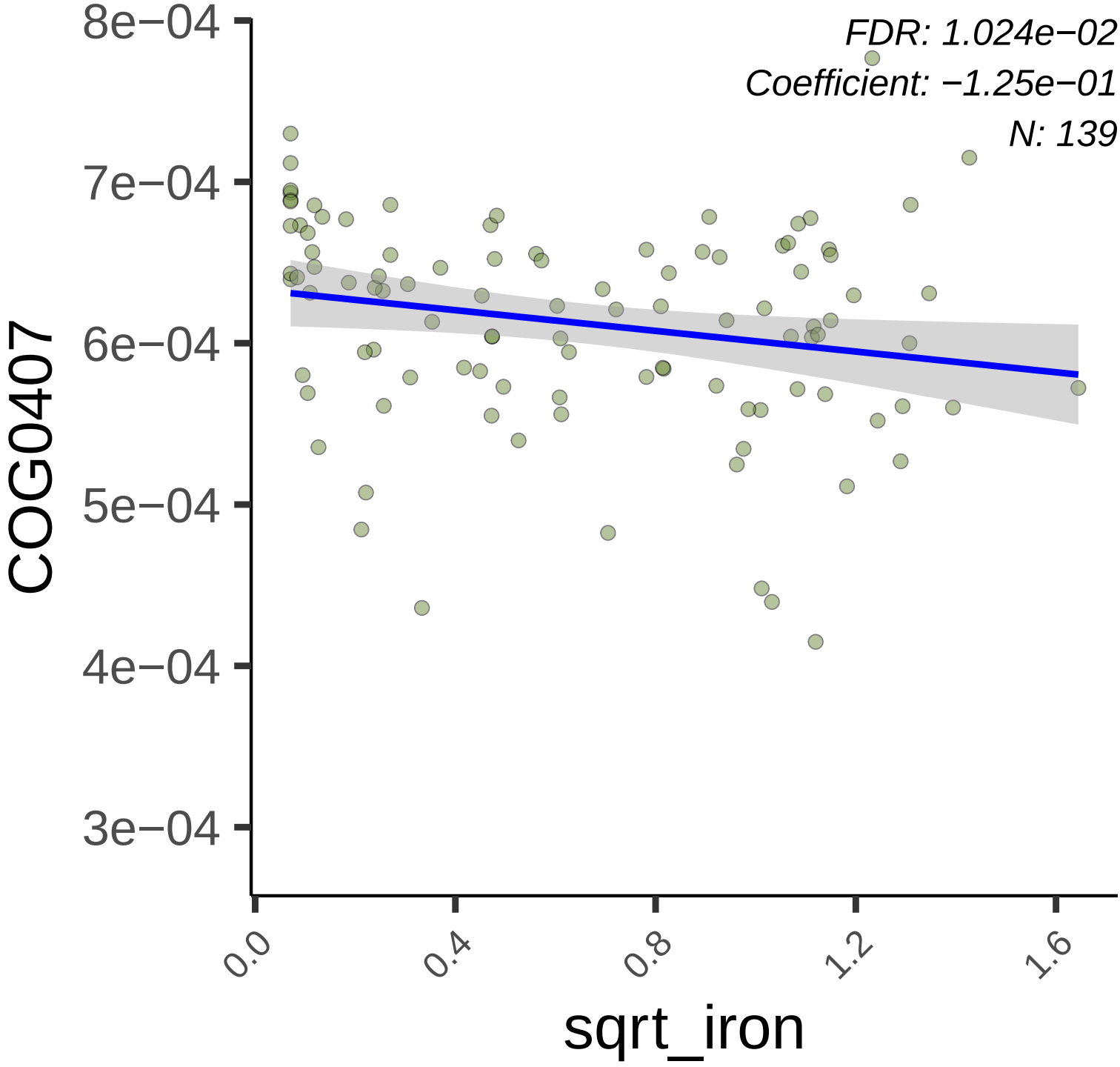
1.6
sqrt_iron


FDR: 1.024e−02
Coefficient: −1.25e−01
N: 139
8e−04
7e−04
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4e−04
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COG0407
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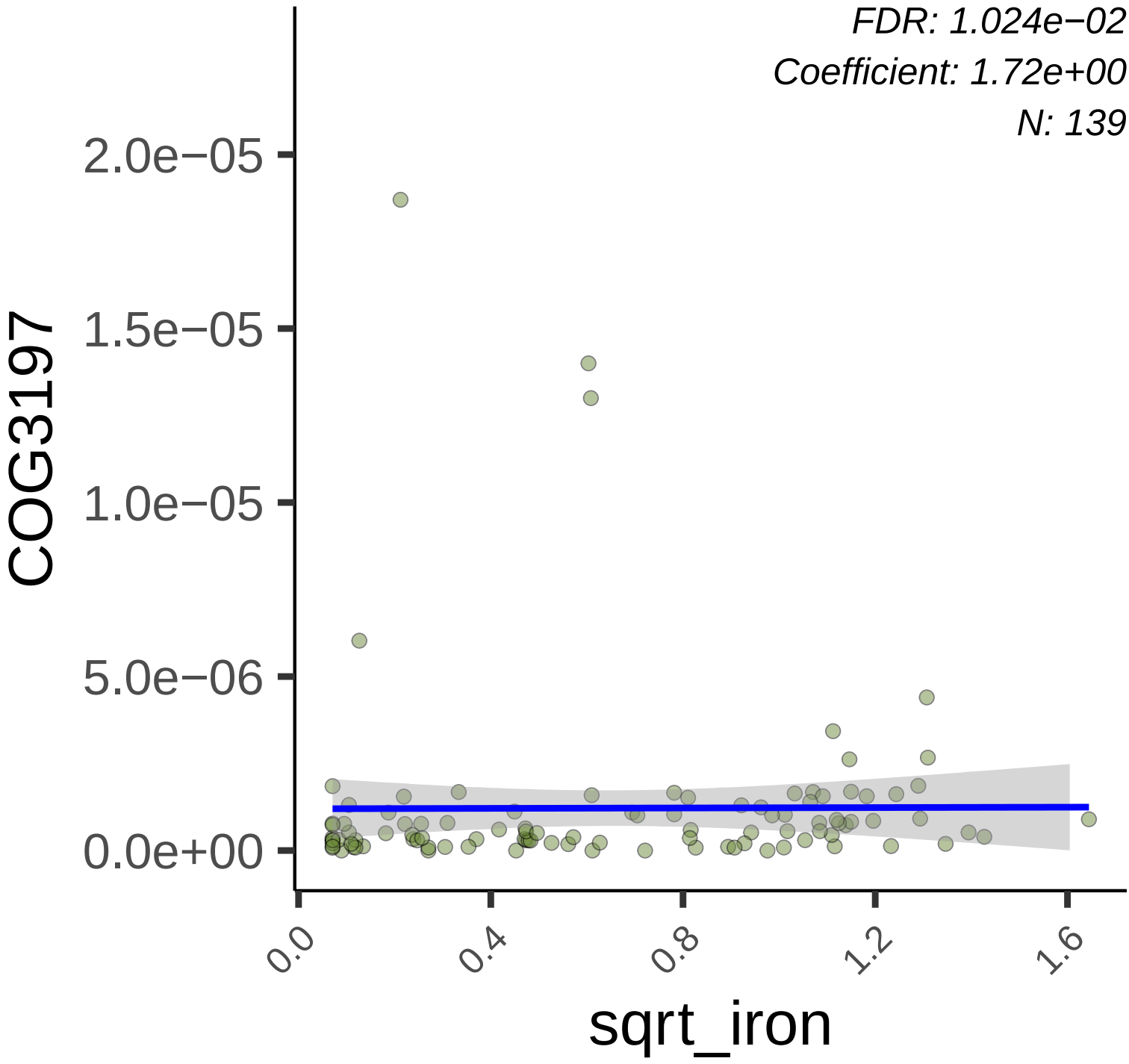
1.6
sqrt_iron


FDR: 1.024e−02
Coefficient: 1.72e+00
N: 139
COG3197
2.0e−05
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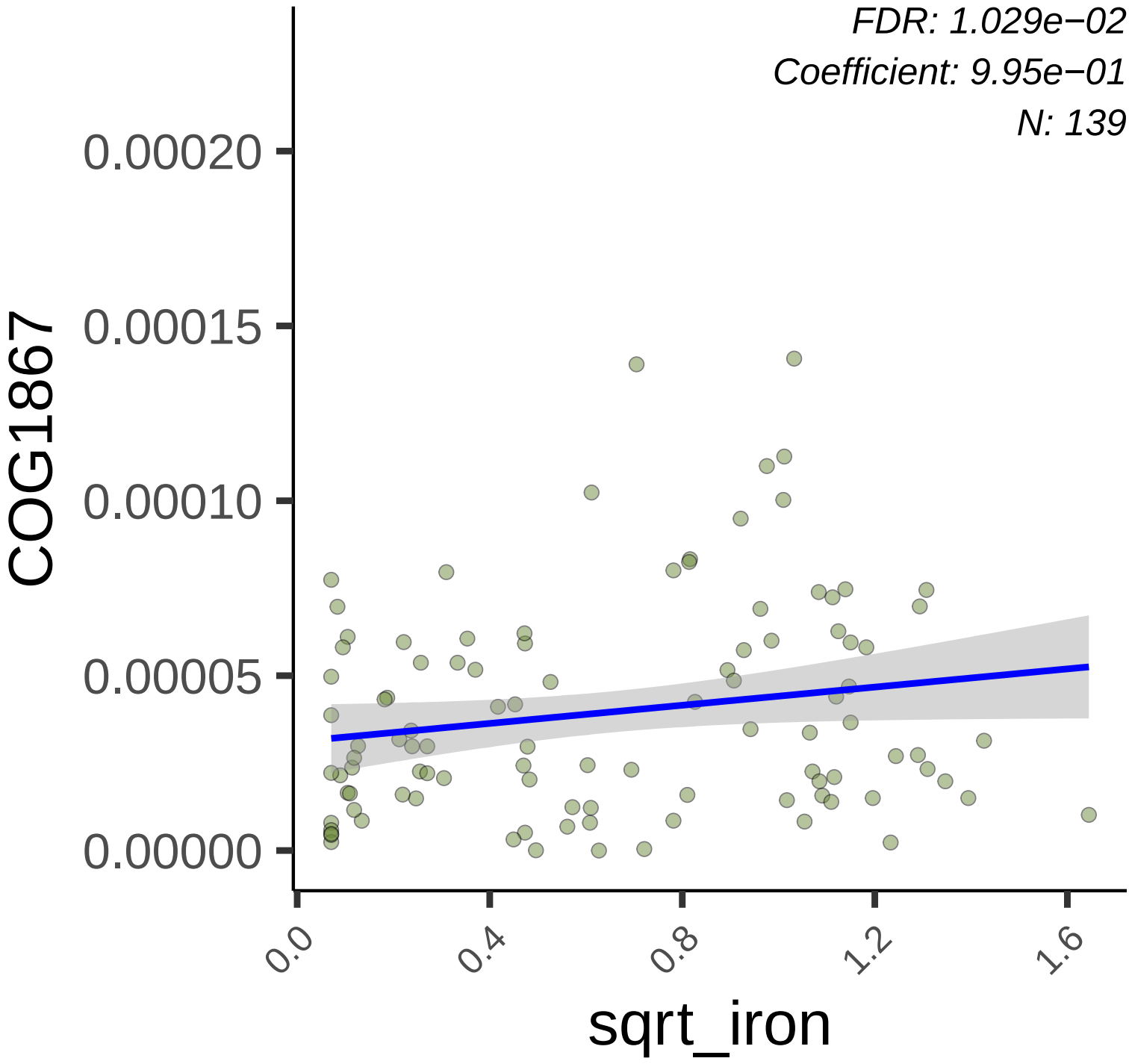
1.6
sqrt_iron


FDR: 1.029e−02
Coefficient: 9.95e−01
N: 139
COG1867
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0.4
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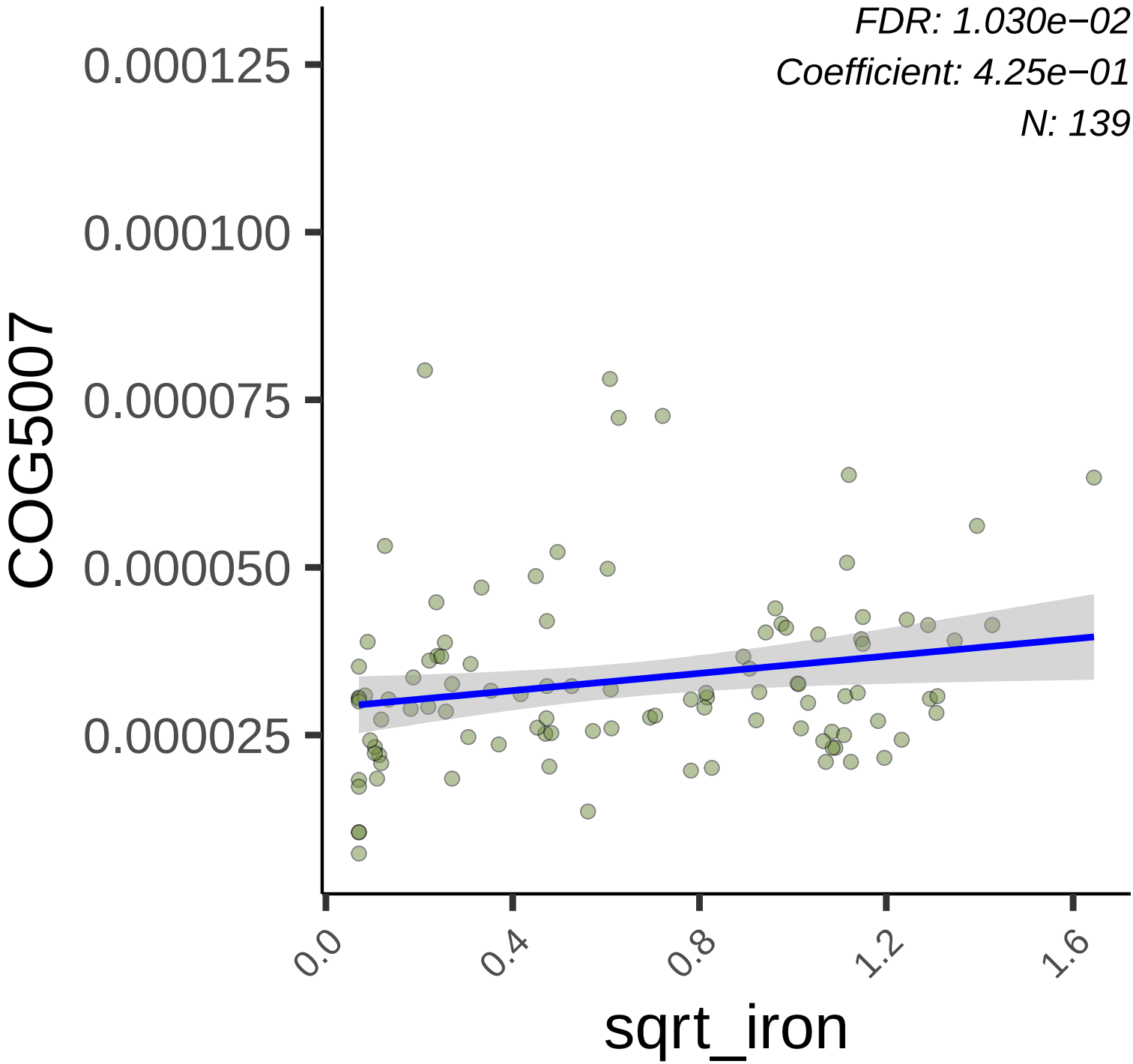
1.6
sqrt_iron


FDR: 1.030e−02
Coefficient: 4.25e−01
N: 139
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COG5007
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0.4
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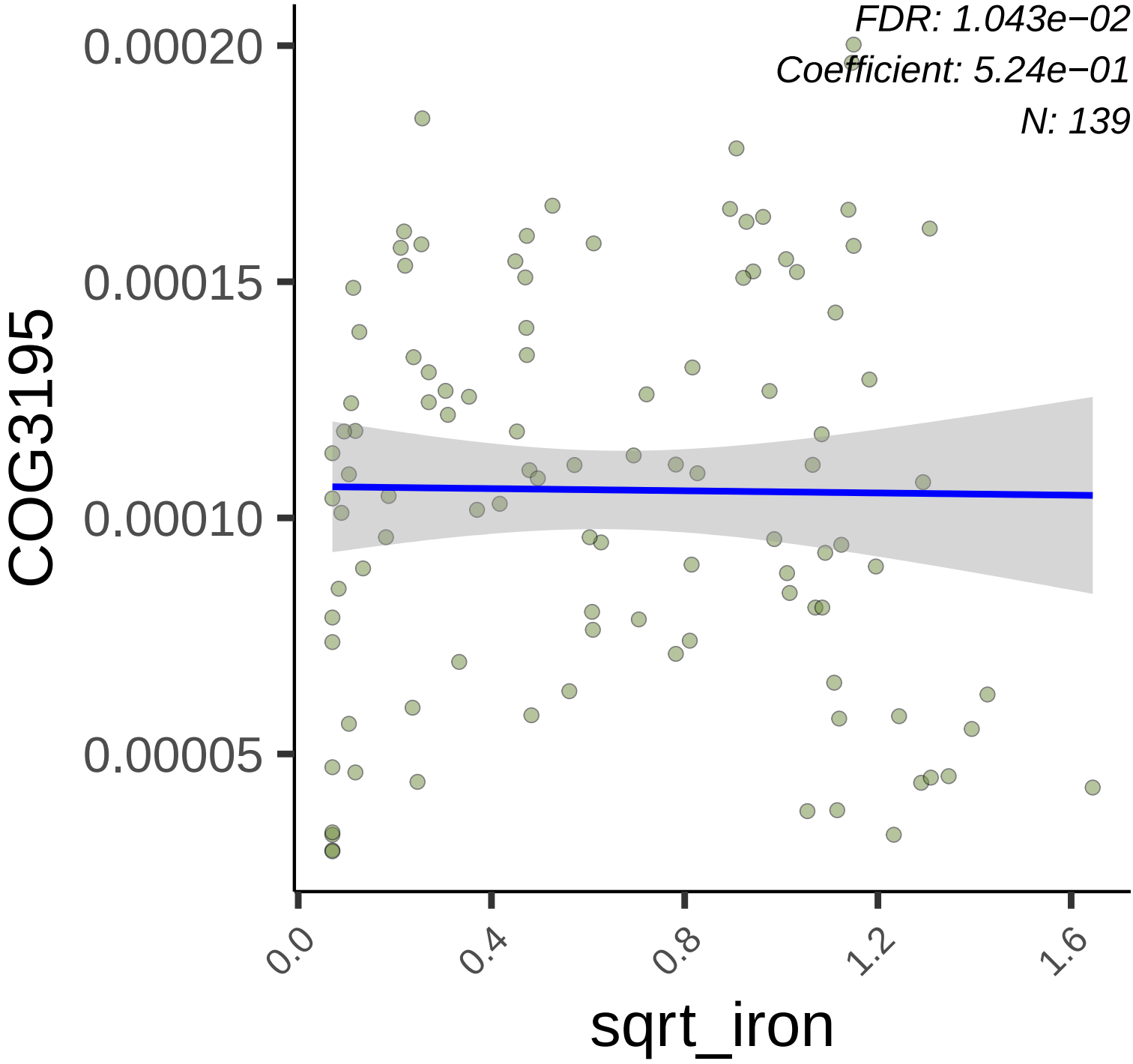
1.6
sqrt_iron


FDR: 1.043e−02
Coefficient: 5.24e−01
N: 139
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0.00010
0.00005
COG3195
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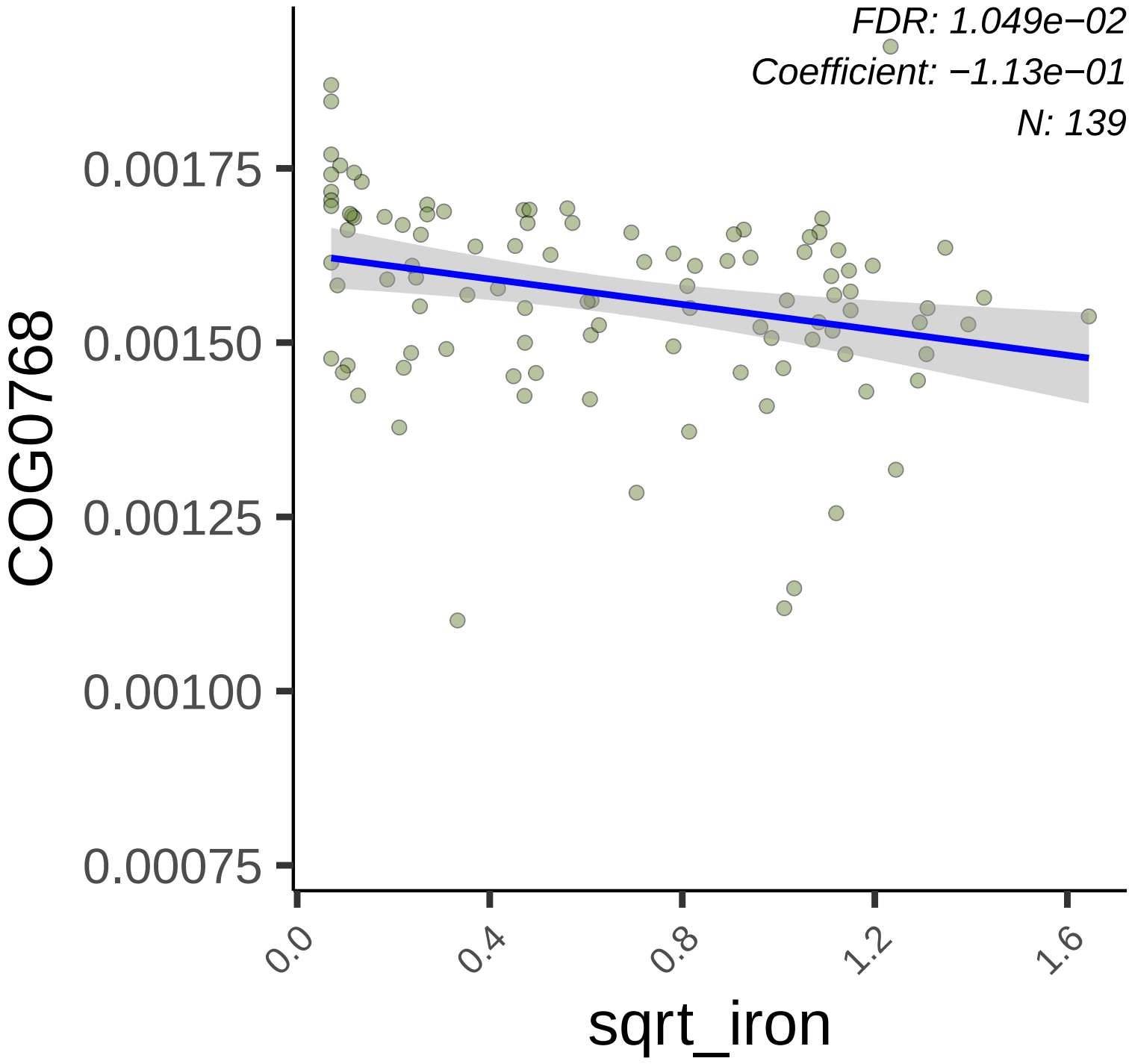
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.049e−02
Coefficient: −1.13e−01
N: 139
COG0768
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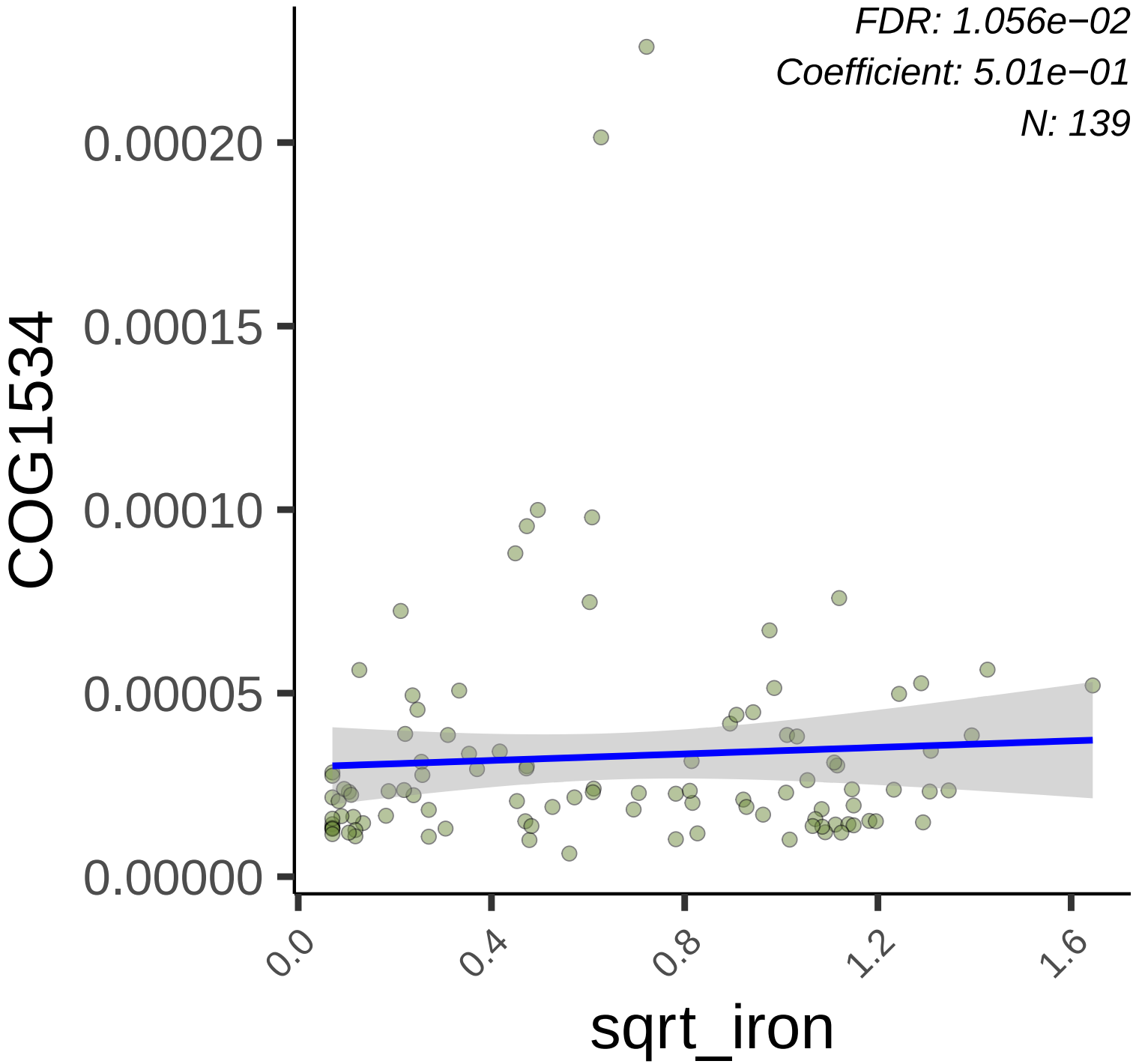
0.00125
0.00100
0.00075
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.056e−02
Coefficient: 5.01e−01
N: 139
COG1534
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0.00010
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0.4
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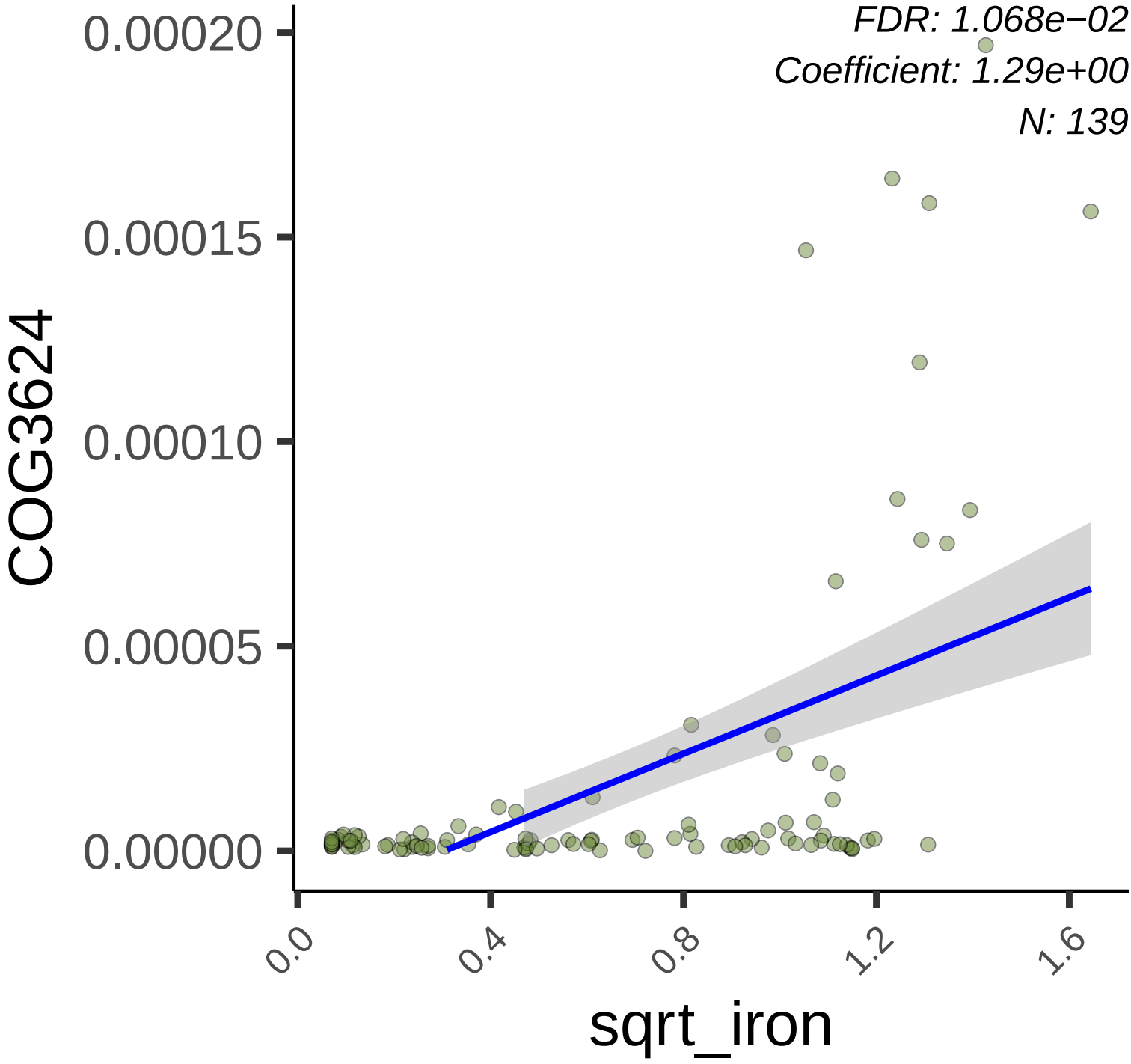
1.2
1.6
sqrt_iron


FDR: 1.068e−02
Coefficient: 1.29e+00
N: 139
COG3624
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0.00010
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0.00000
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0.4
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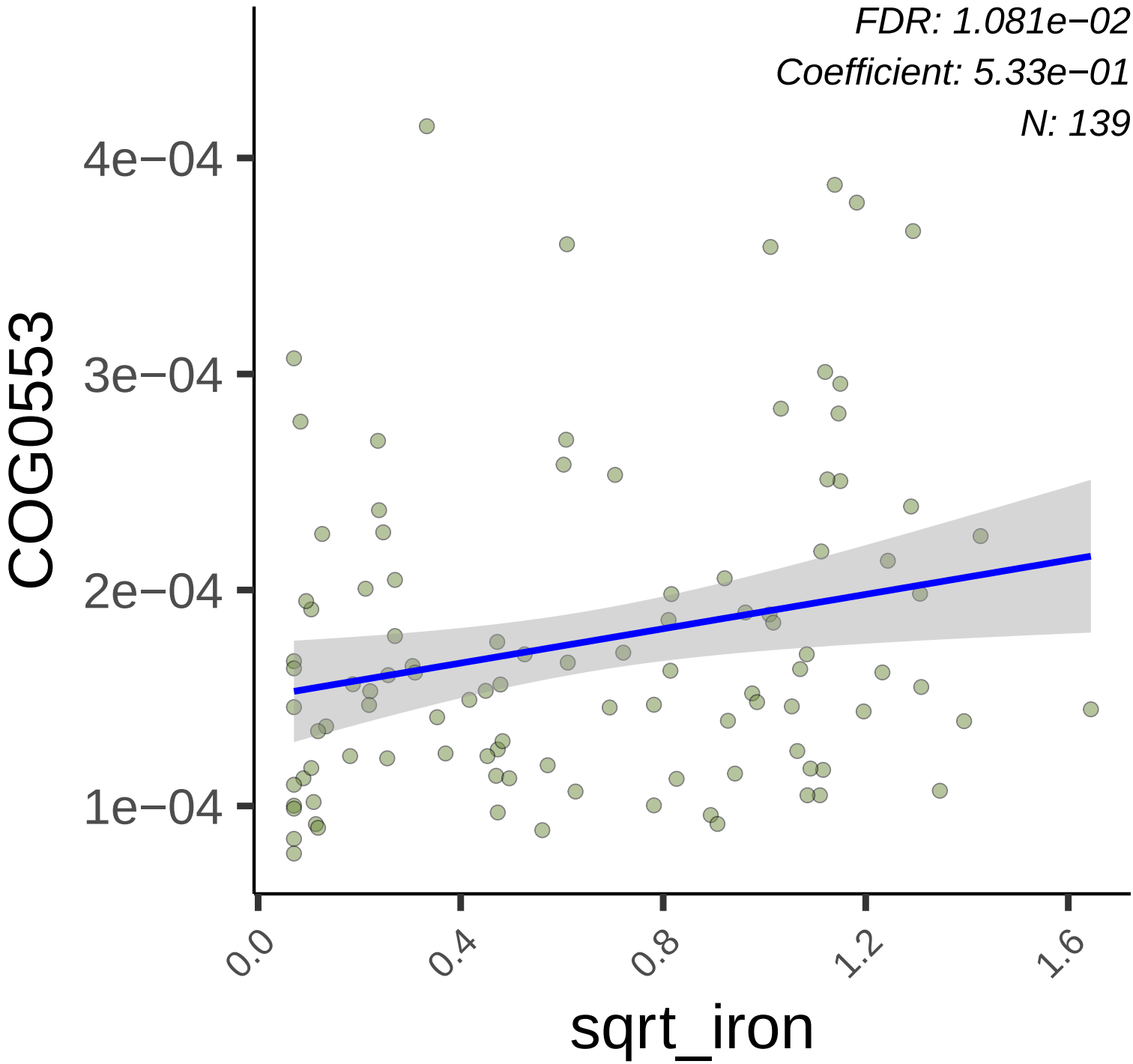
1.2
1.6
sqrt_iron


FDR: 1.081e−02
Coefficient: 5.33e−01
N: 139
COG0553
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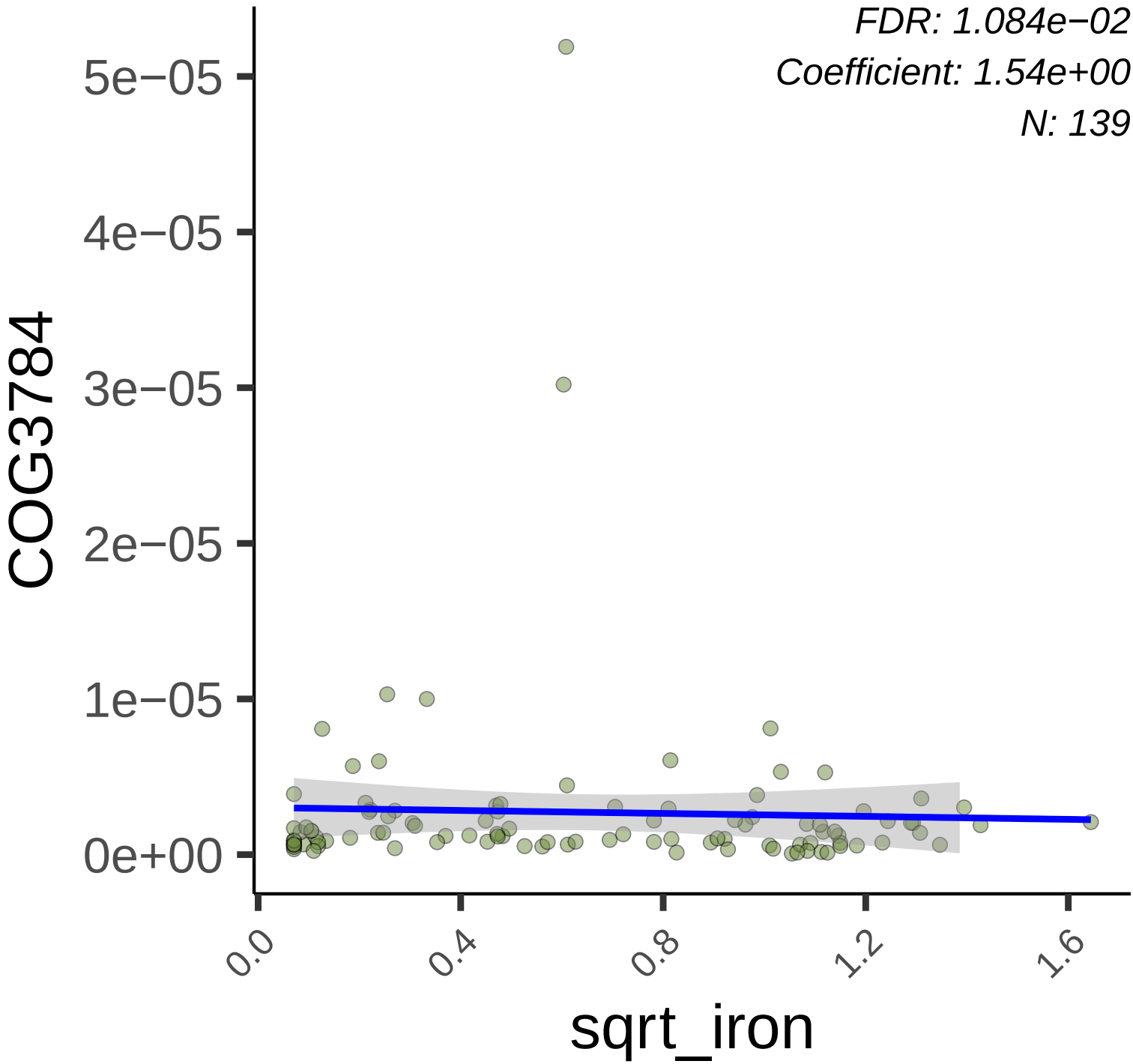
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.084e−02
Coefficient: 1.54e+00
N: 139
COG3784
5e−05
4e−05
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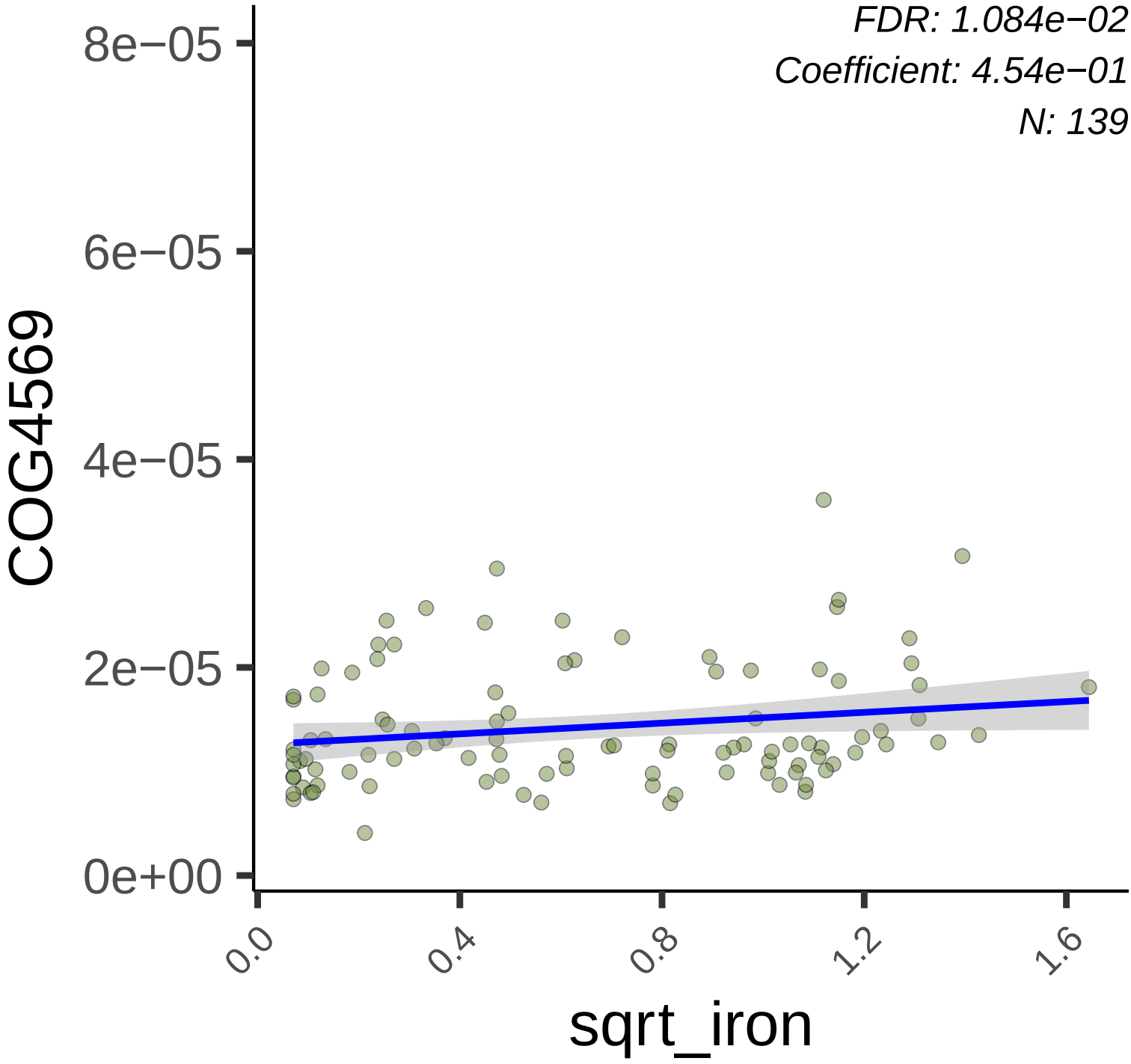
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.084e−02
Coefficient: 4.54e−01
N: 139
COG4569
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4e−05
2e−05
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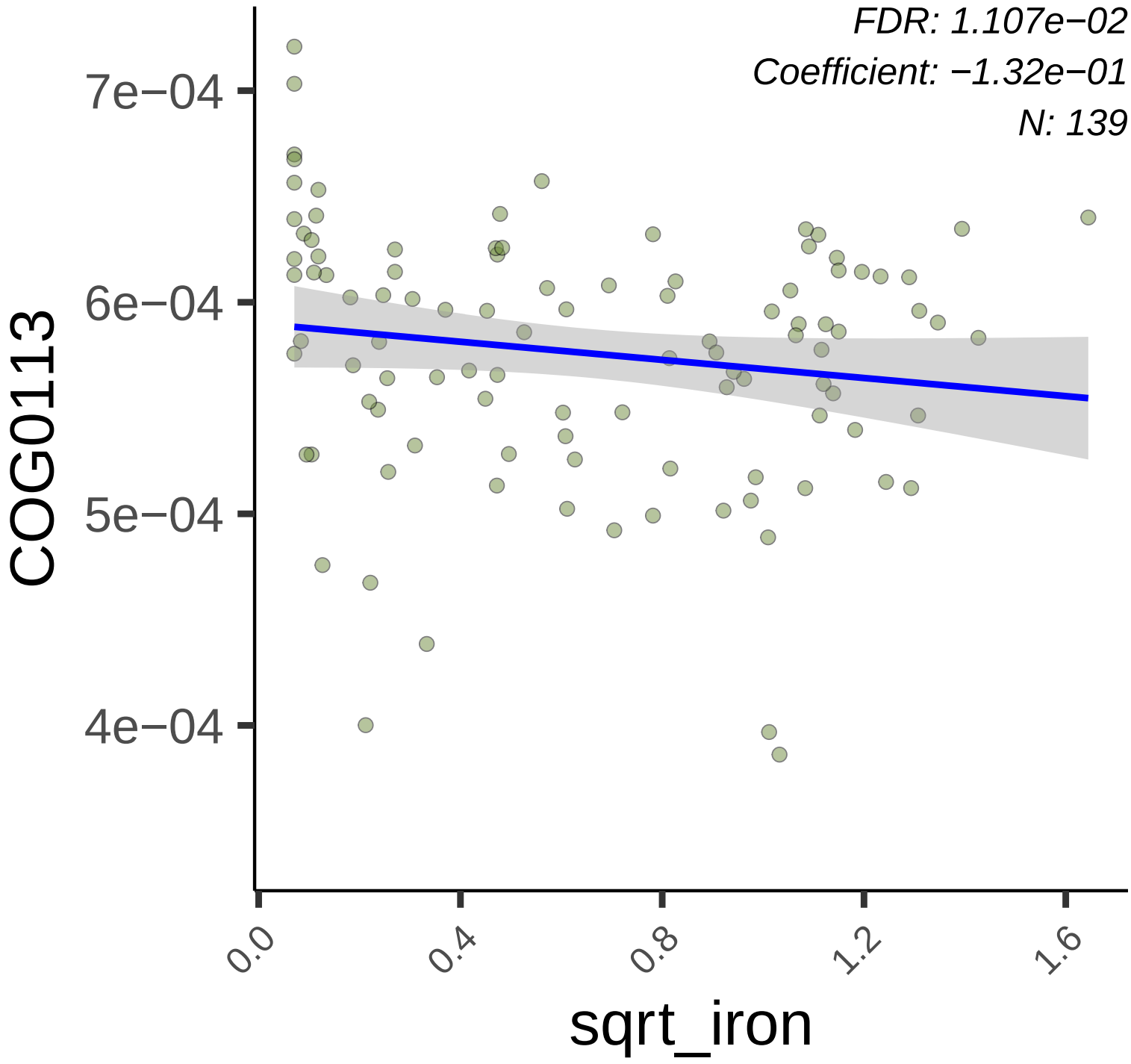
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.107e−02
Coefficient: −1.32e−01
N: 139
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COG0113
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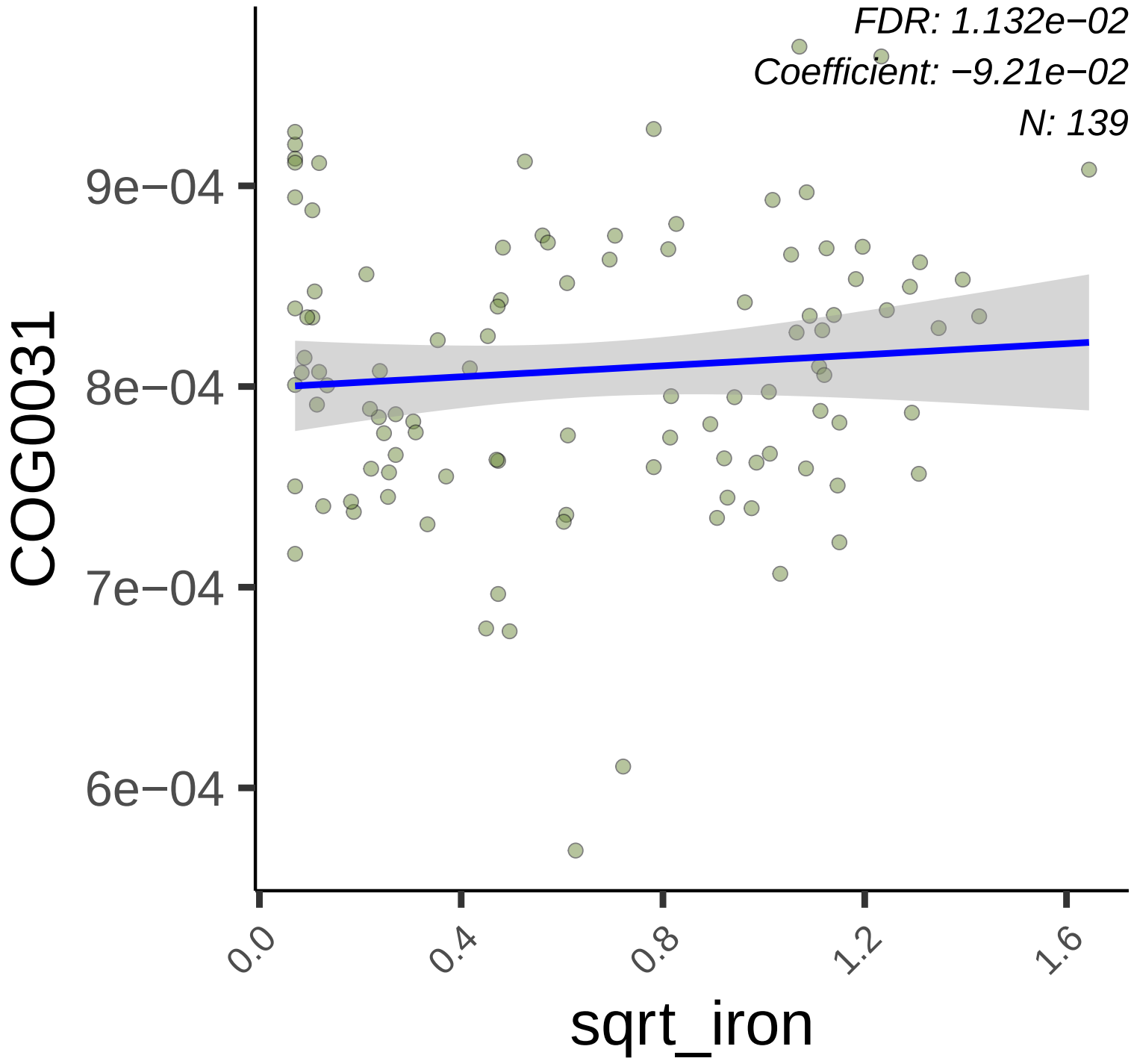
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.132e−02
Coefficient: −9.21e−02
N: 139
COG0031
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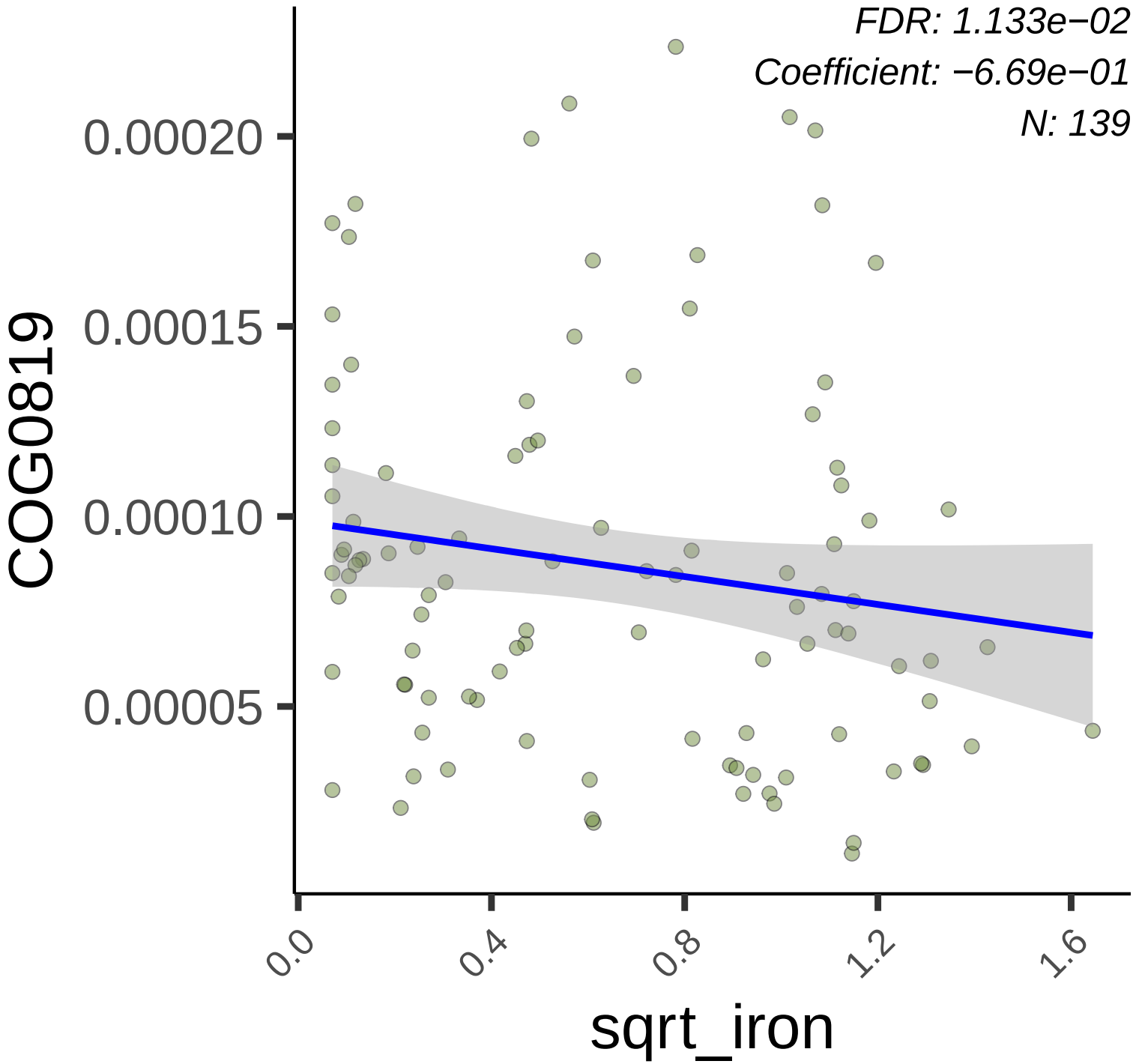
8e−04
7e−04
6e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.133e−02
Coefficient: −6.69e−01
N: 139
COG0819
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0.4
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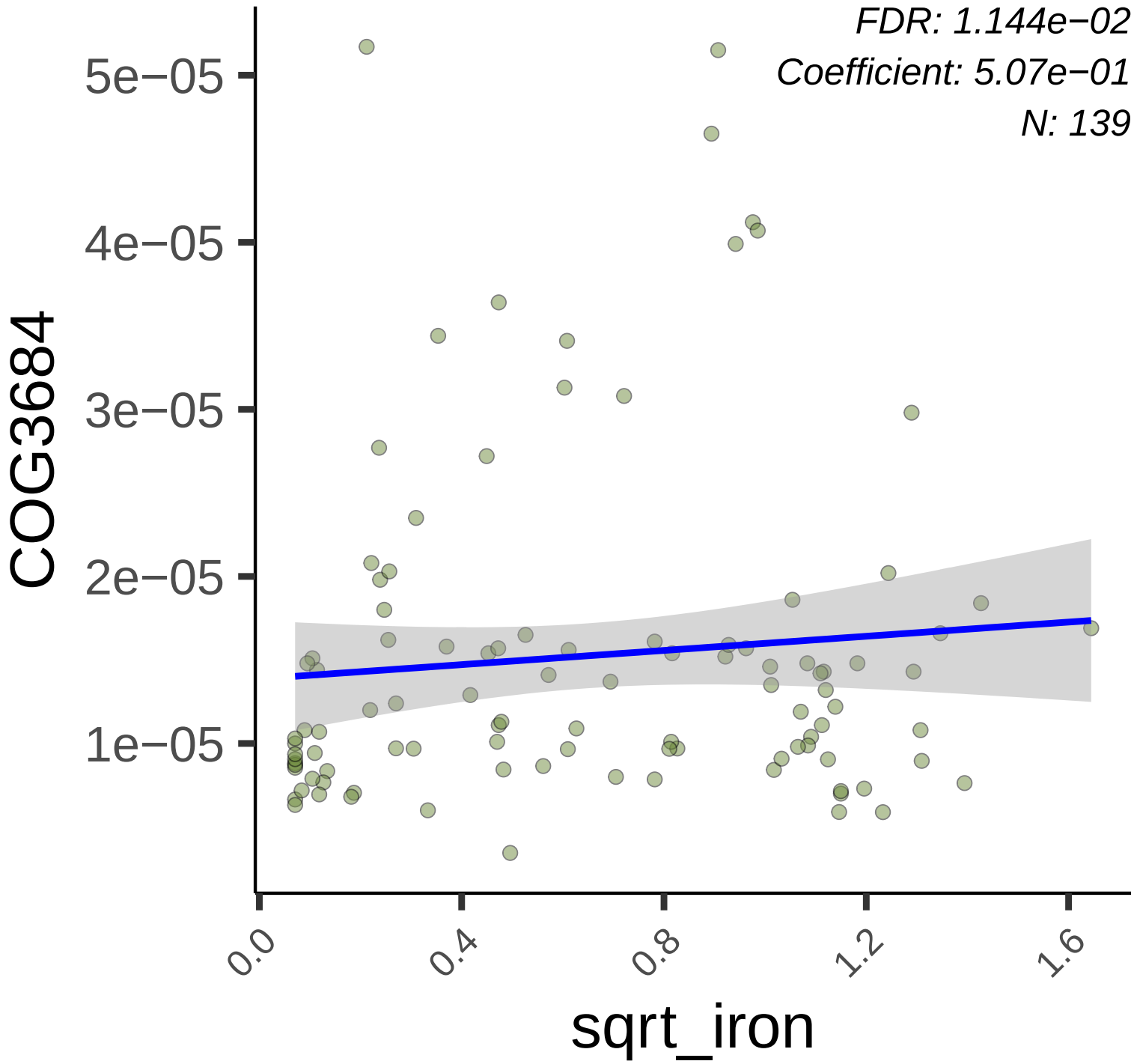
1.2
1.6
sqrt_iron


FDR: 1.144e−02
Coefficient: 5.07e−01
N: 139
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4e−05
3e−05
2e−05
1e−05
COG3684
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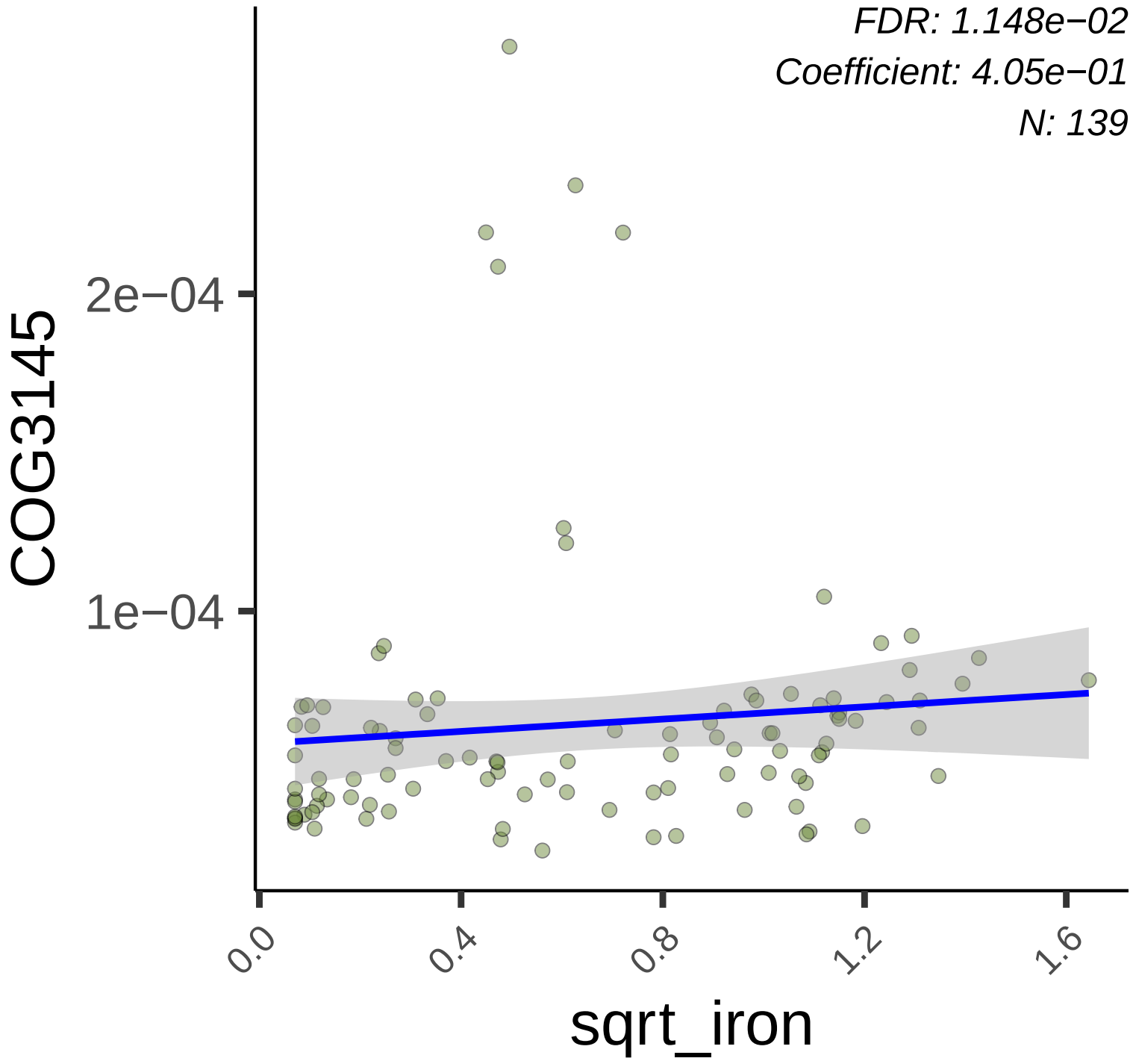
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.148e−02
Coefficient: 4.05e−01
N: 139
COG3145
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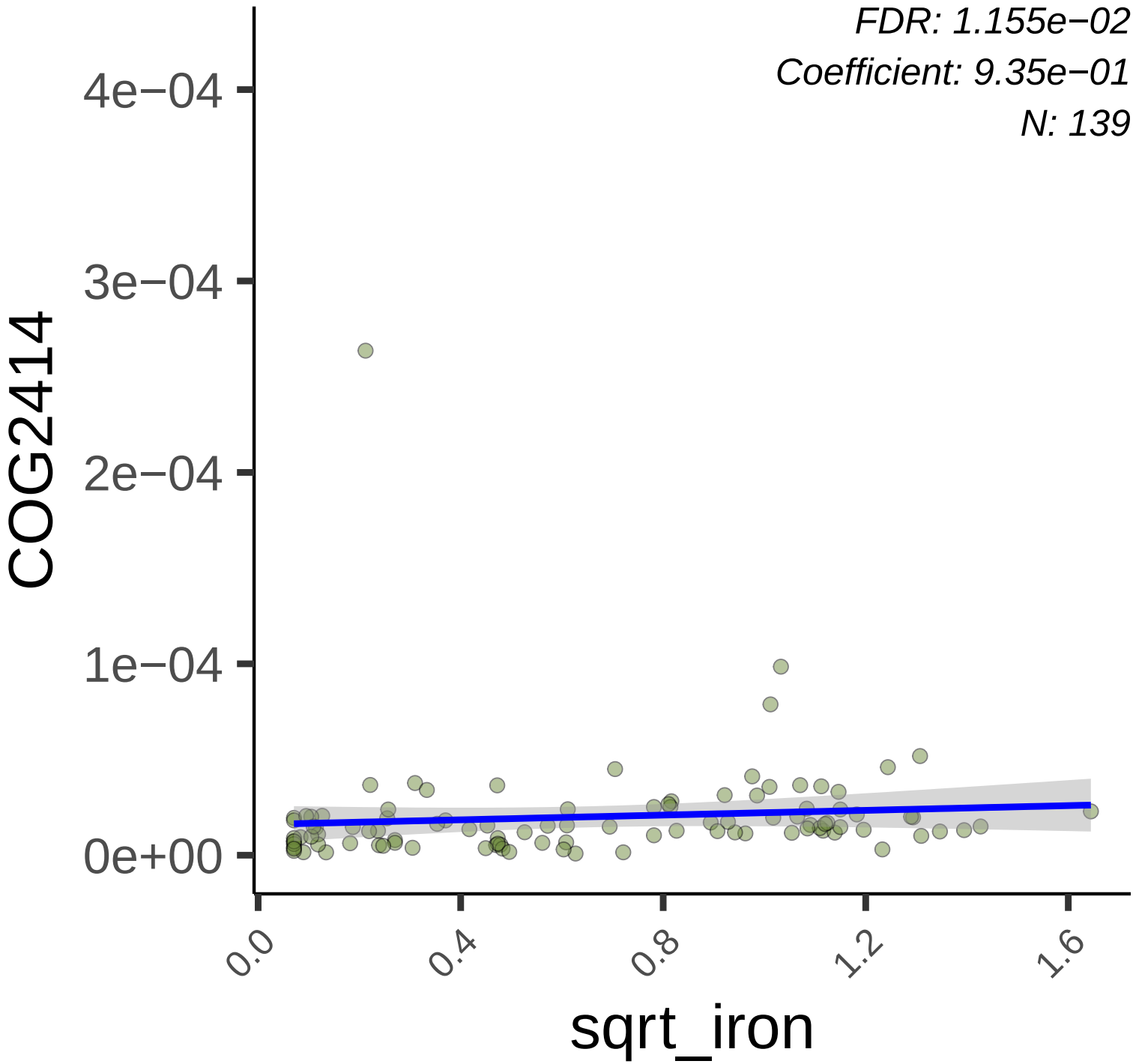
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.155e−02
Coefficient: 9.35e−01
N: 139
COG2414
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2e−04
1e−04
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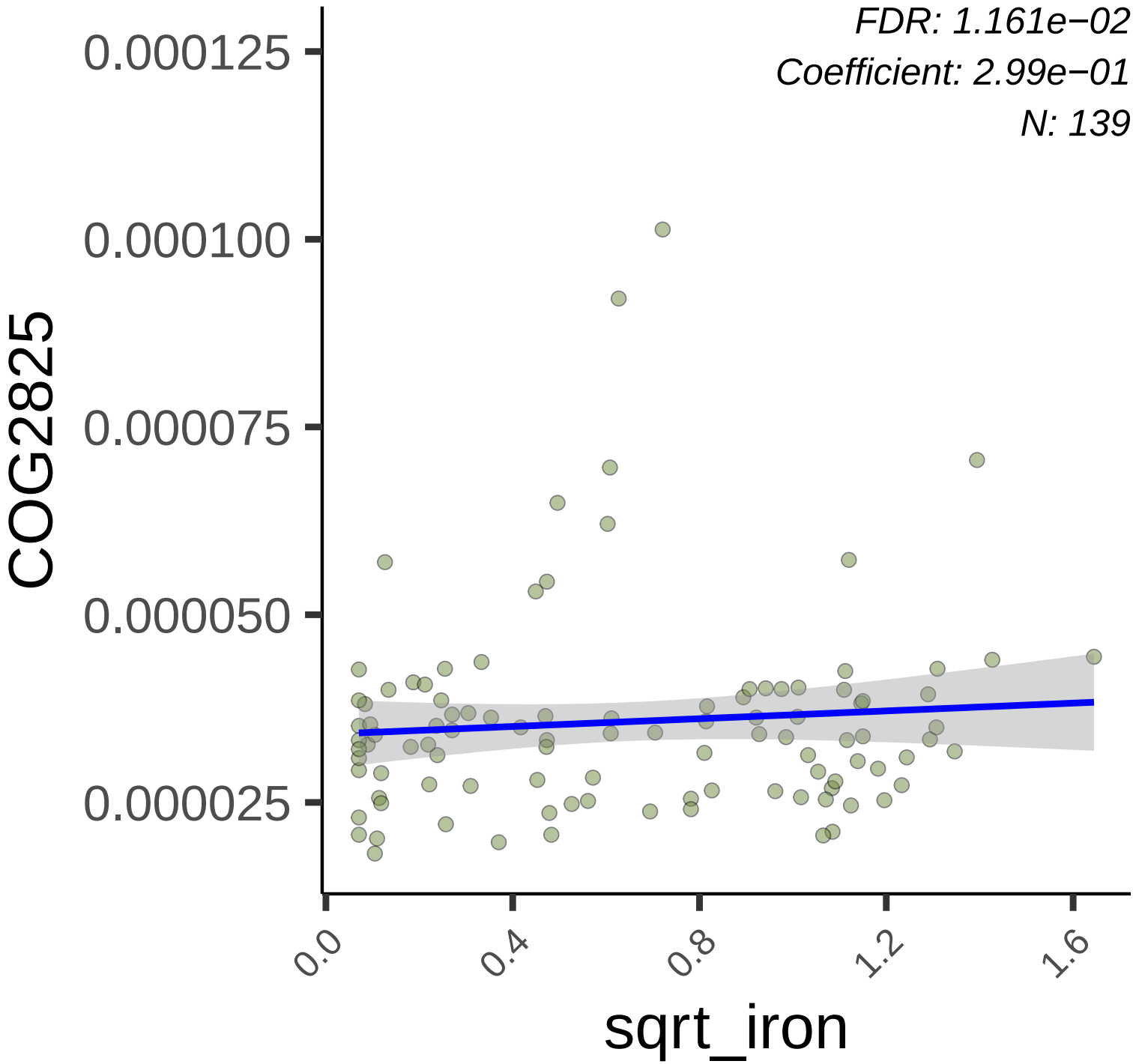
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.161e−02
Coefficient: 2.99e−01
N: 139
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0.8
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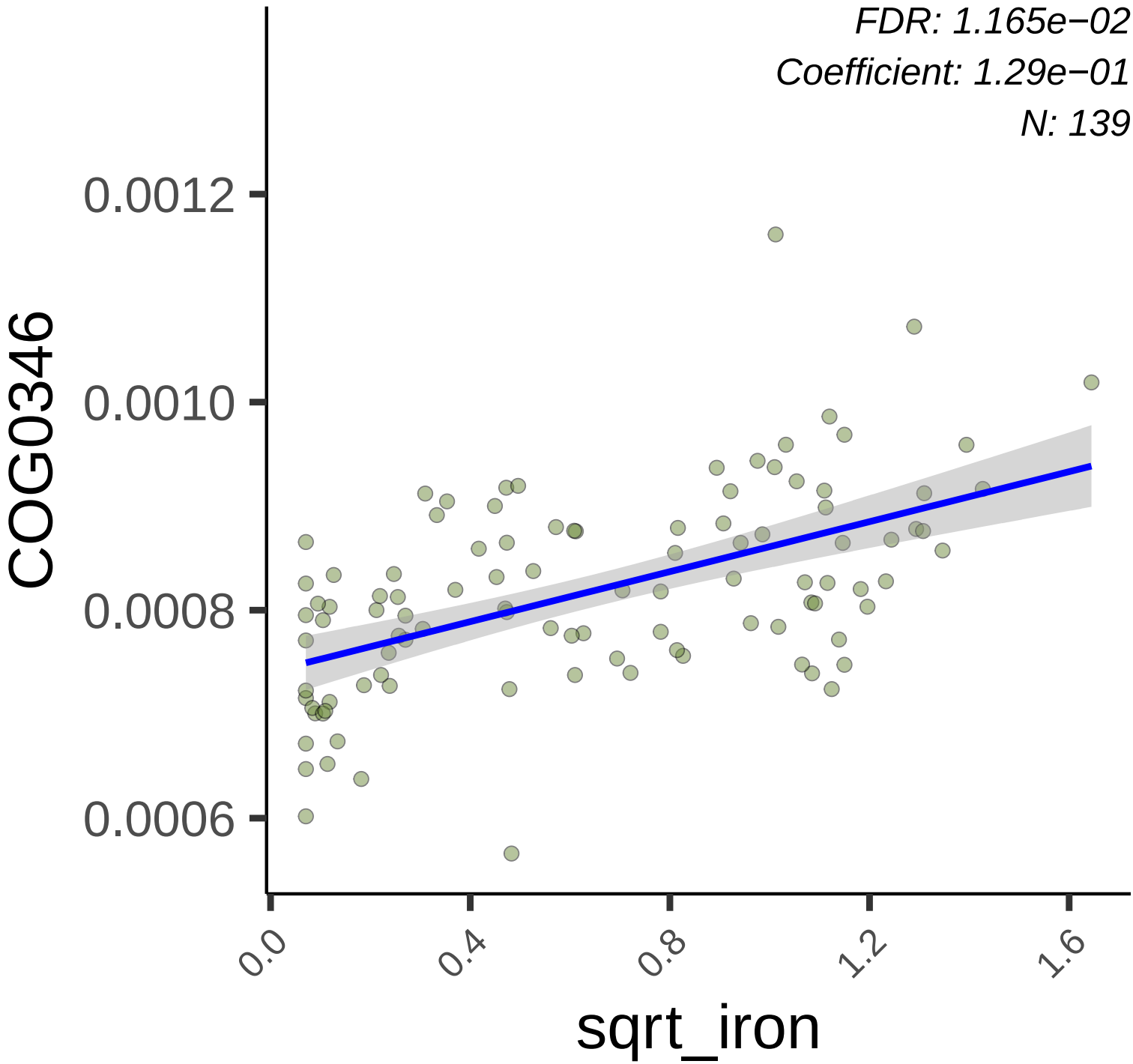
1.6
sqrt_iron


FDR: 1.165e−02
Coefficient: 1.29e−01
N: 139
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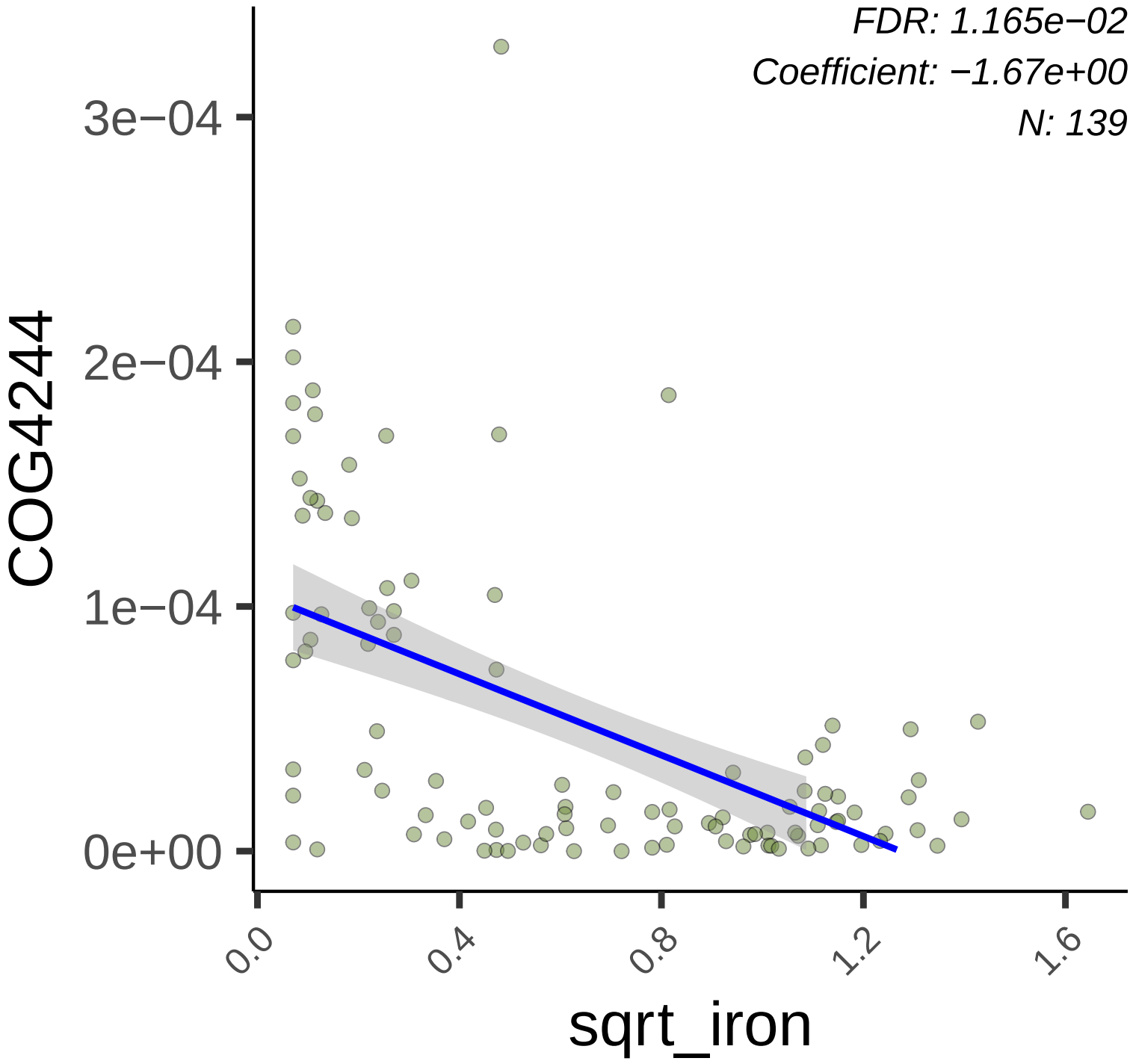
1.2
1.6
sqrt_iron


FDR: 1.165e−02
Coefficient: −1.67e+00
N: 139
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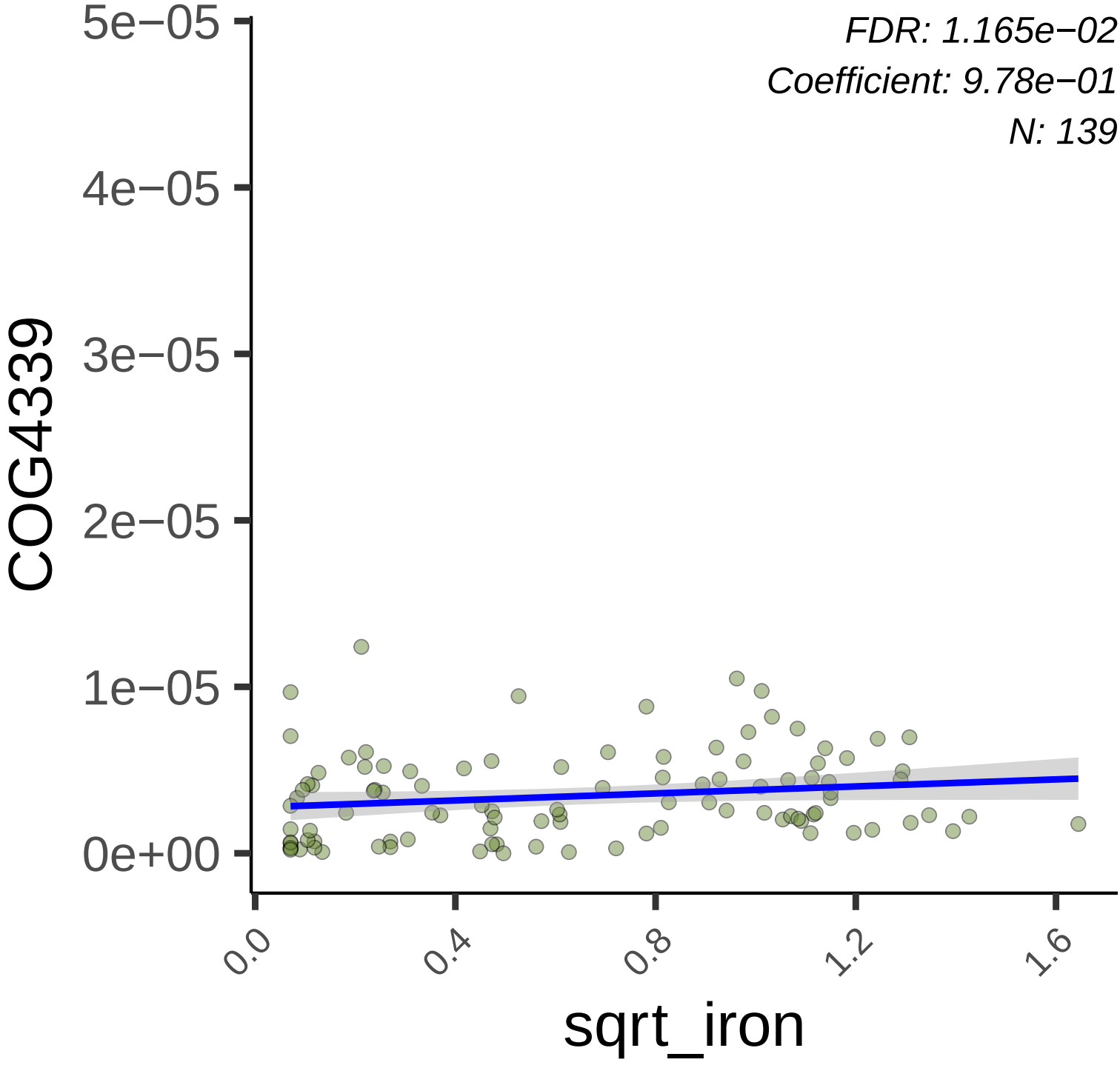
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.165e−02
Coefficient: 9.78e−01
N: 139
COG4339
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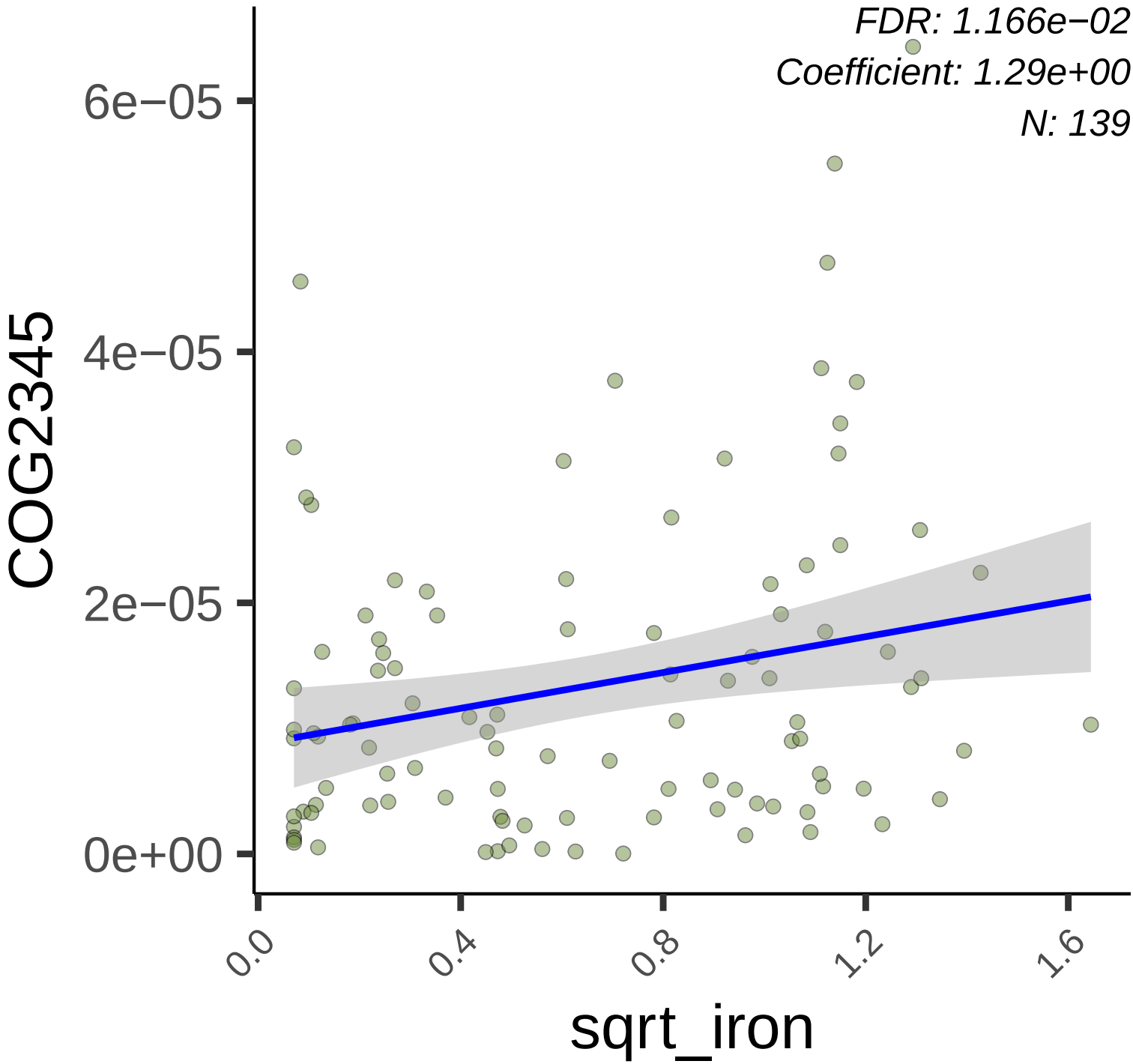
1.2
1.6
sqrt_iron


FDR: 1.166e−02
Coefficient: 1.29e+00
N: 139
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2e−05
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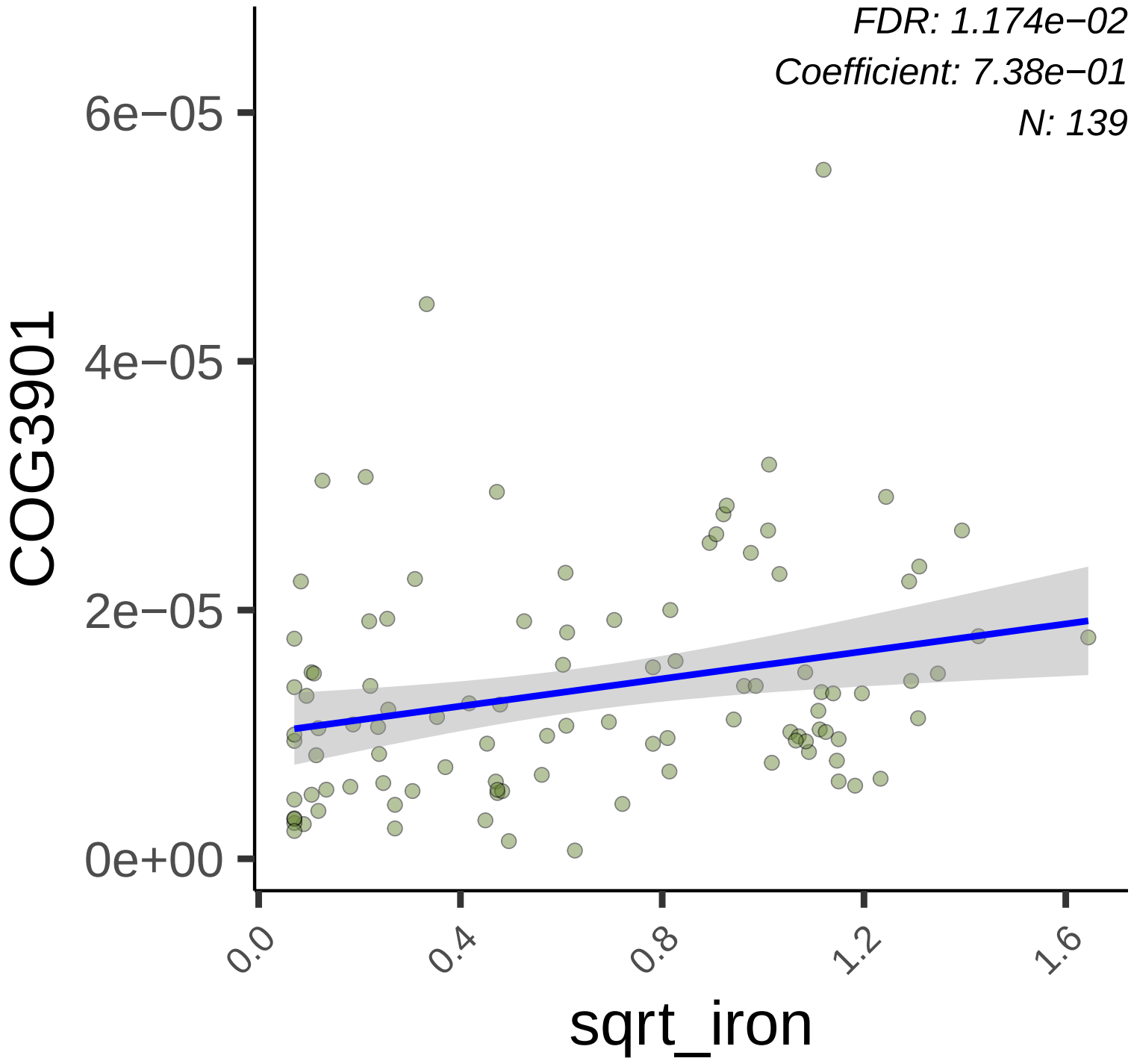
1.2
1.6
sqrt_iron


FDR: 1.174e−02
Coefficient: 7.38e−01
N: 139
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0.4
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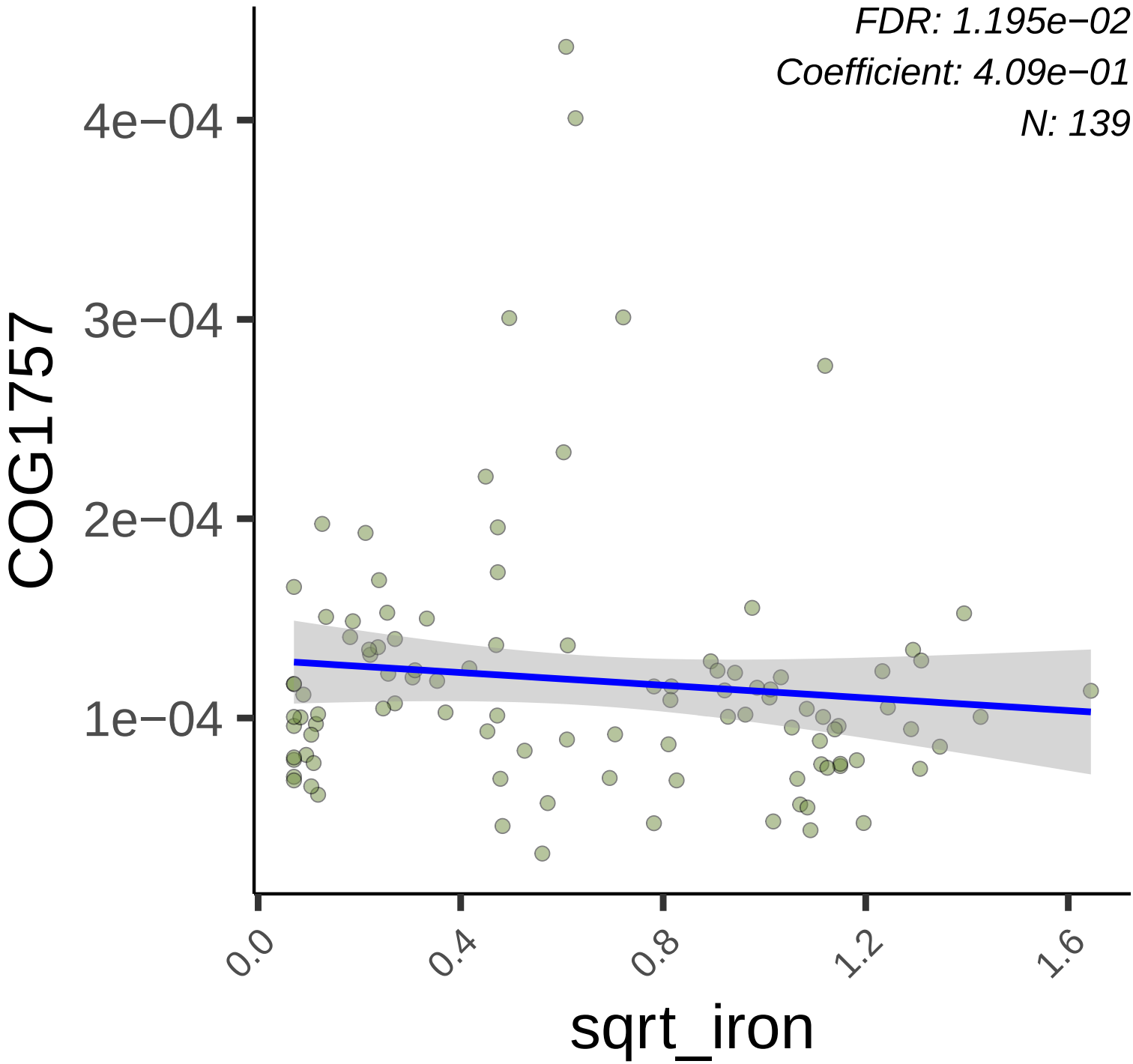
1.2
1.6
sqrt_iron


FDR: 1.195e−02
Coefficient: 4.09e−01
N: 139
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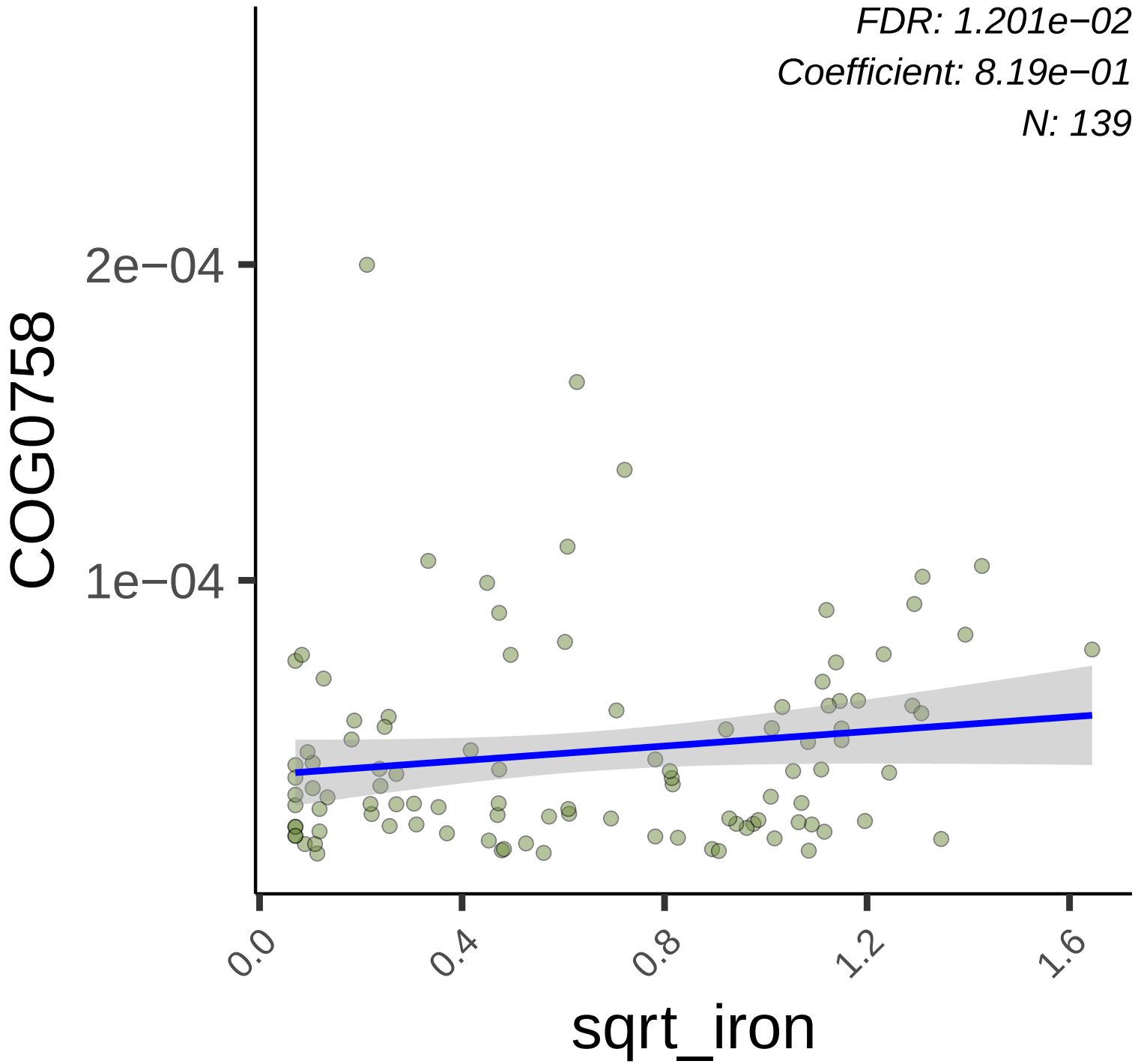
sqrt_iron


FDR: 1.201e−02
Coefficient: 8.19e−01
N: 139
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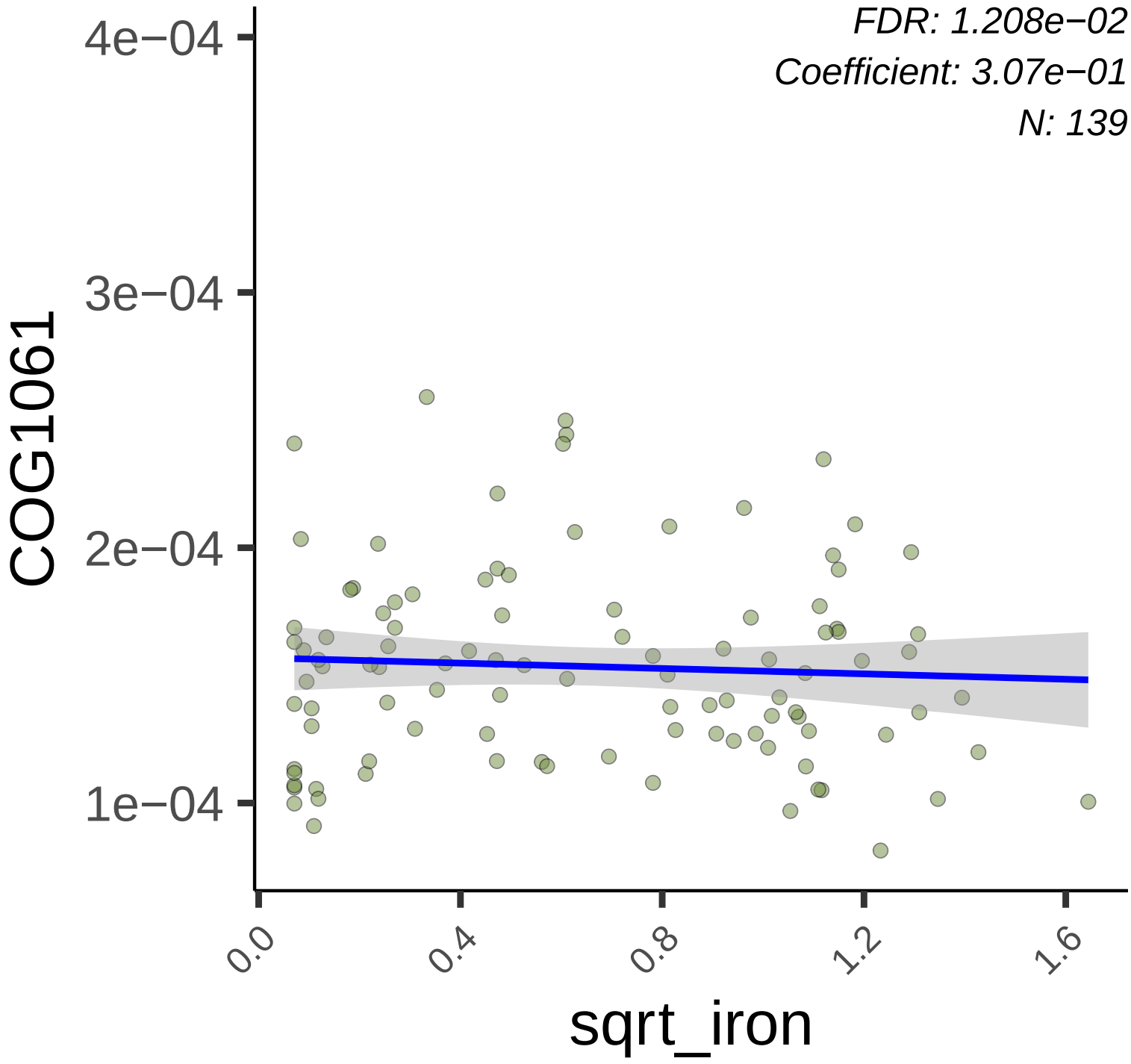
1.6
sqrt_iron


FDR: 1.208e−02
Coefficient: 3.07e−01
N: 139
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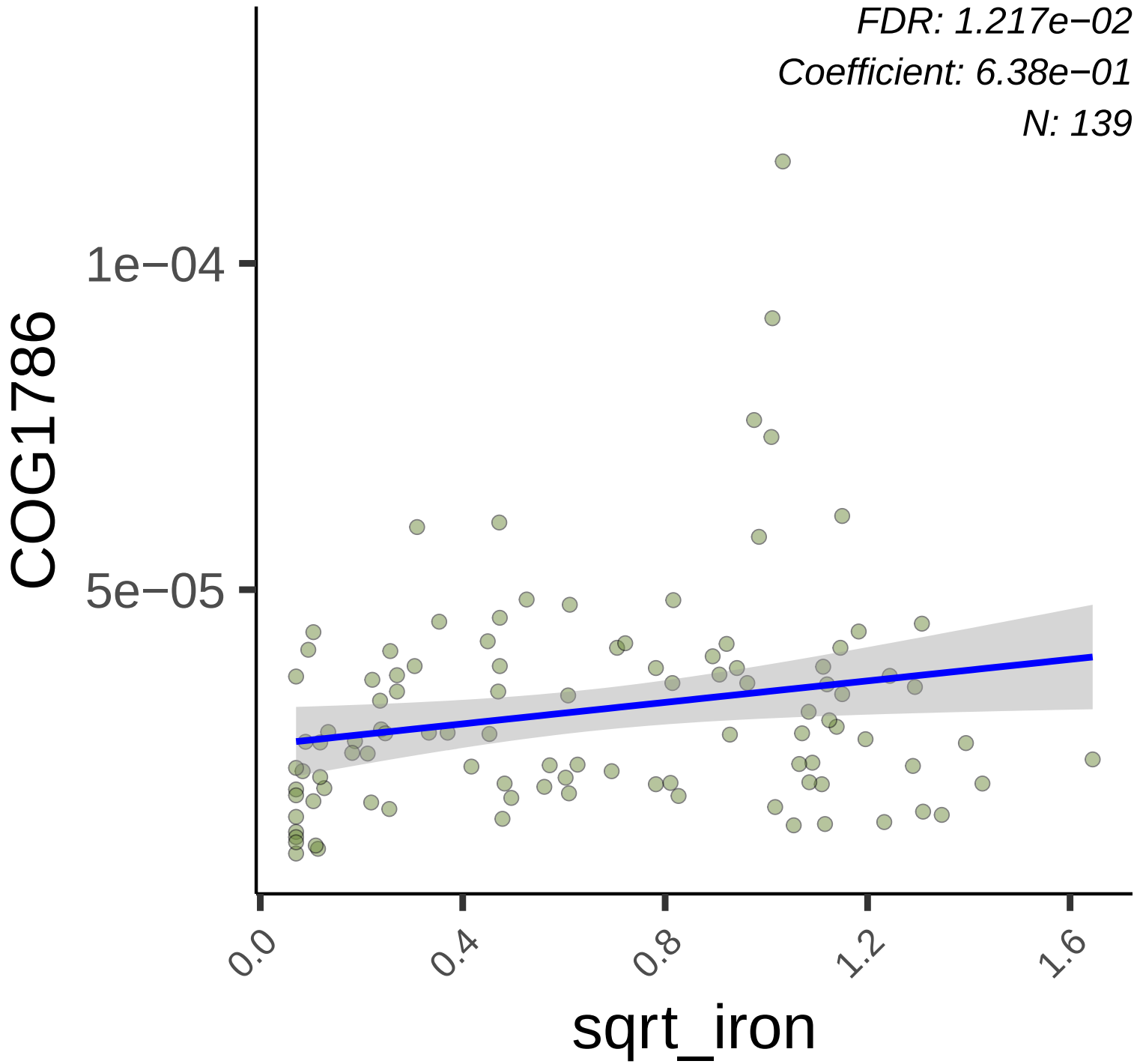
1.6
sqrt_iron


FDR: 1.217e−02
Coefficient: 6.38e−01
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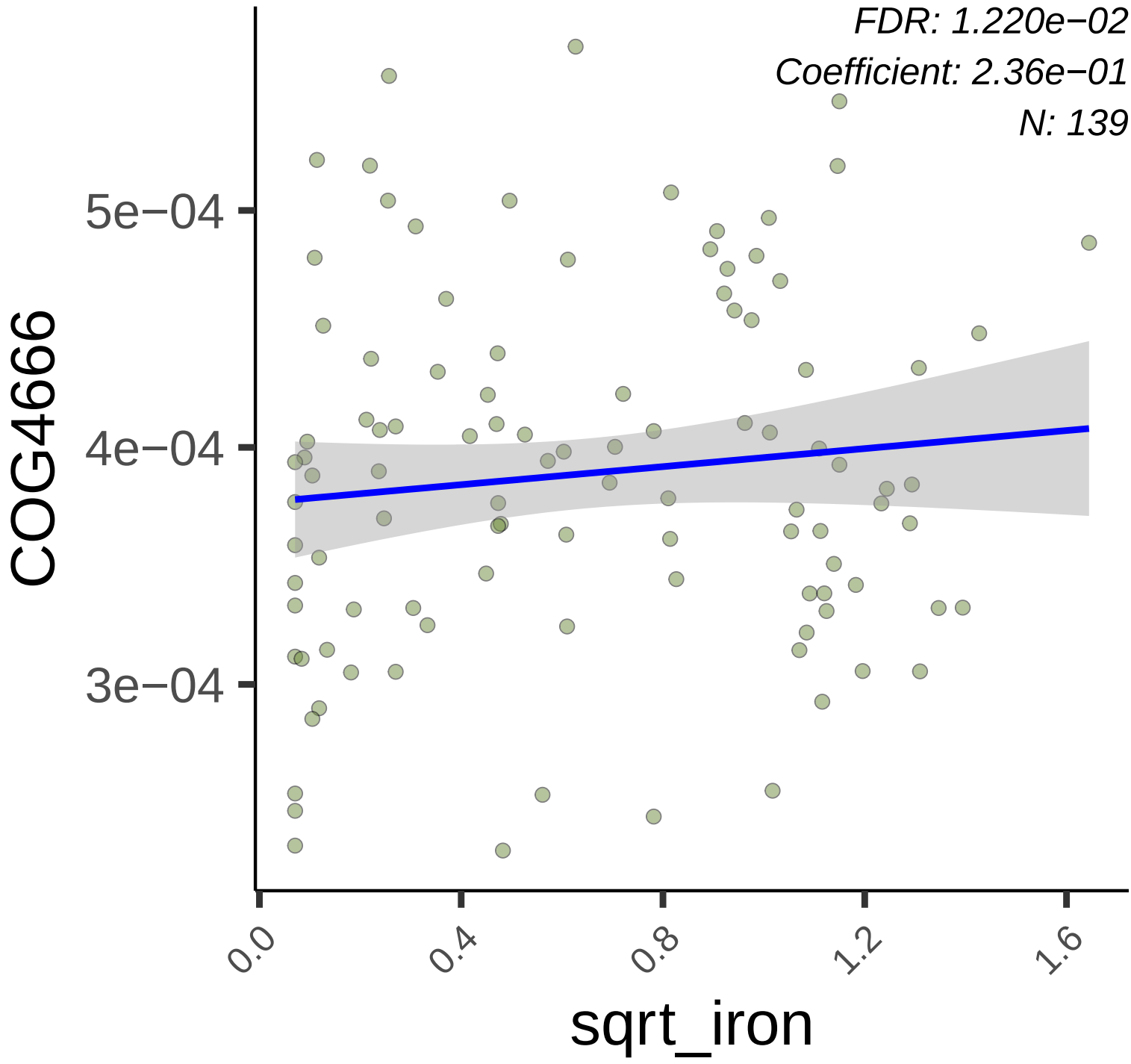
sqrt_iron


FDR: 1.220e−02
Coefficient: 2.36e−01
N: 139
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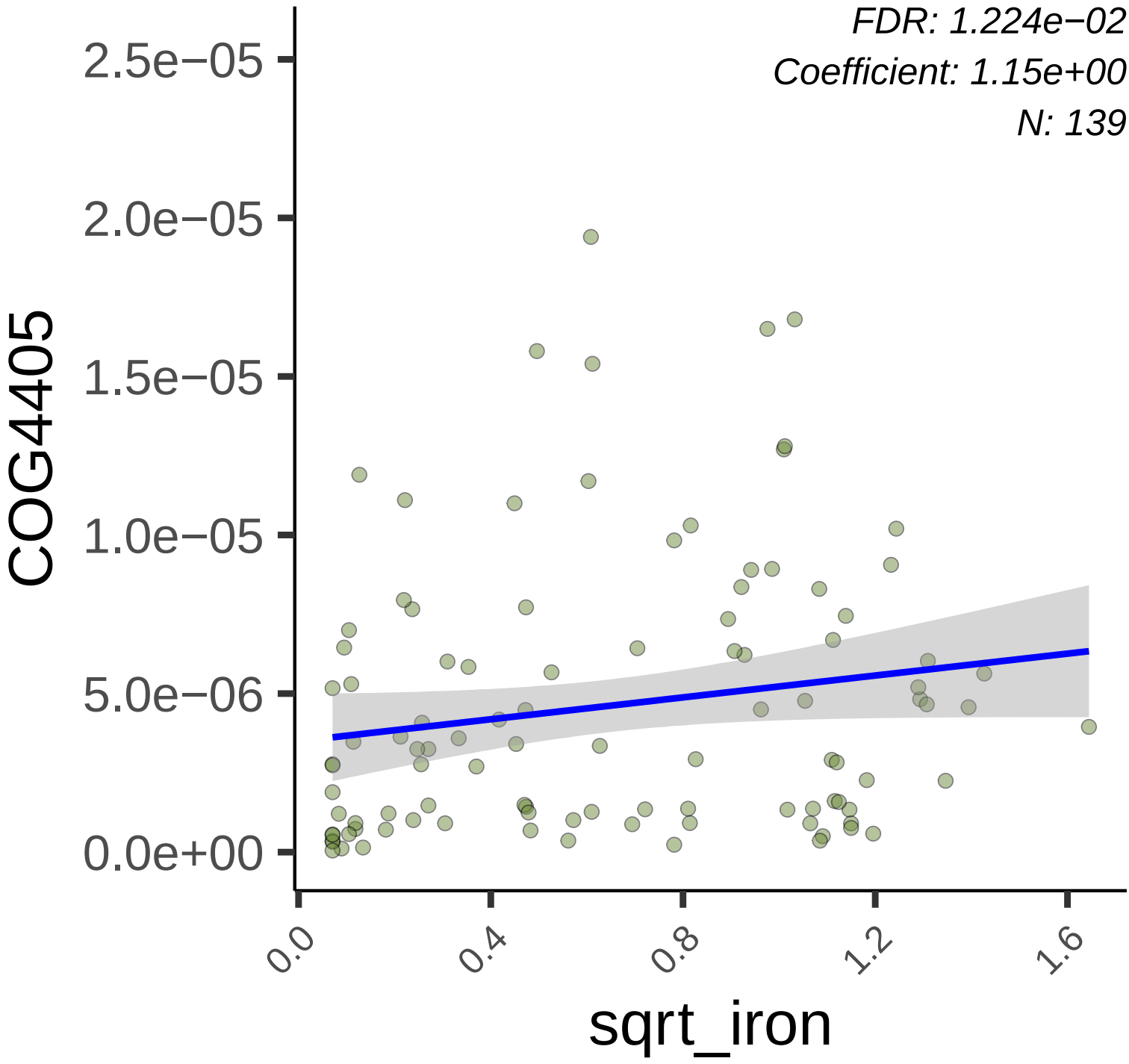
0.8
1.2
1.6
sqrt_iron


FDR: 1.224e−02
Coefficient: 1.15e+00
N: 139
COG4405
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5.0e−06
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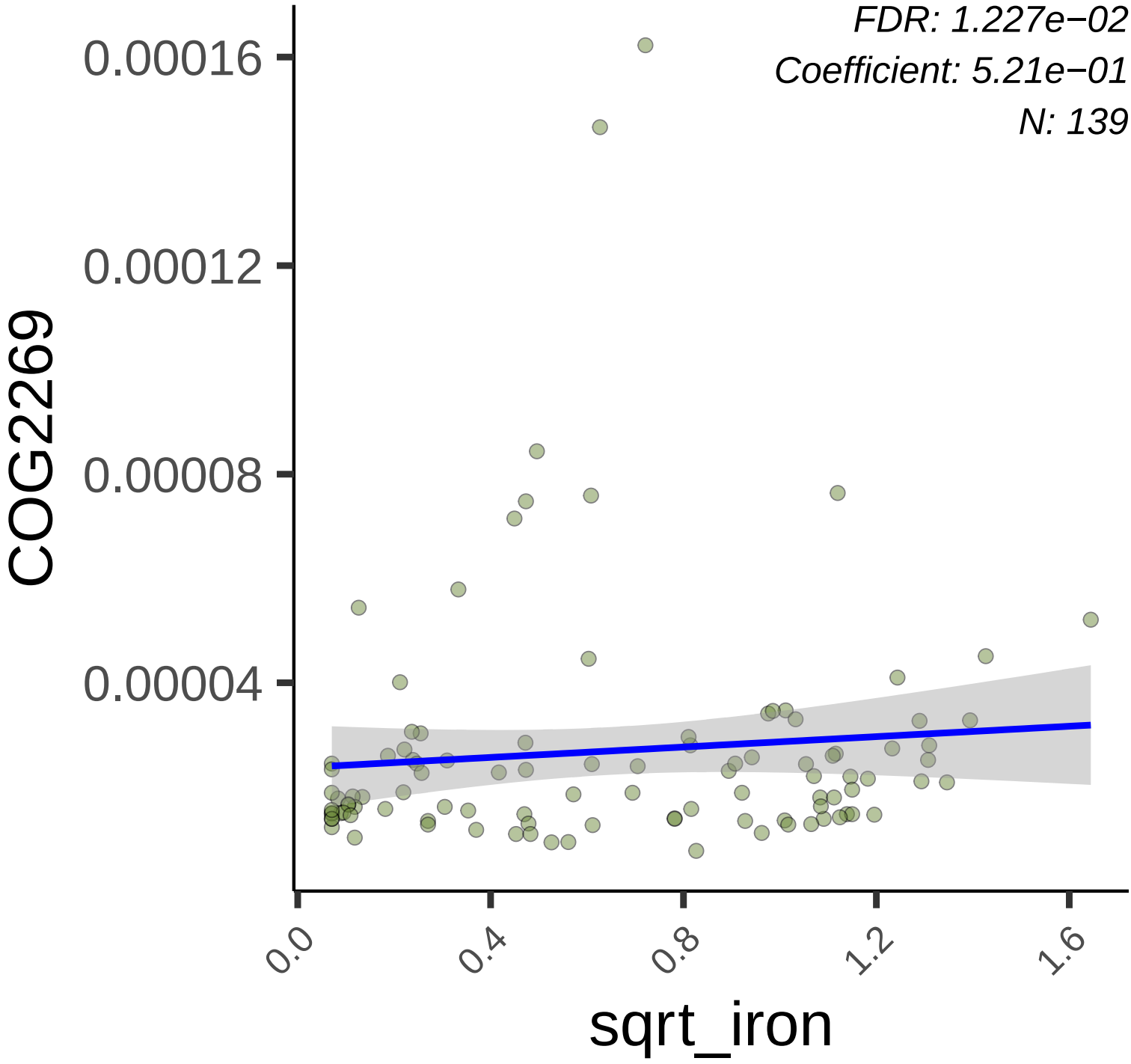
0.8
1.2
1.6
sqrt_iron


FDR: 1.227e−02
Coefficient: 5.21e−01
N: 139
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0.00012
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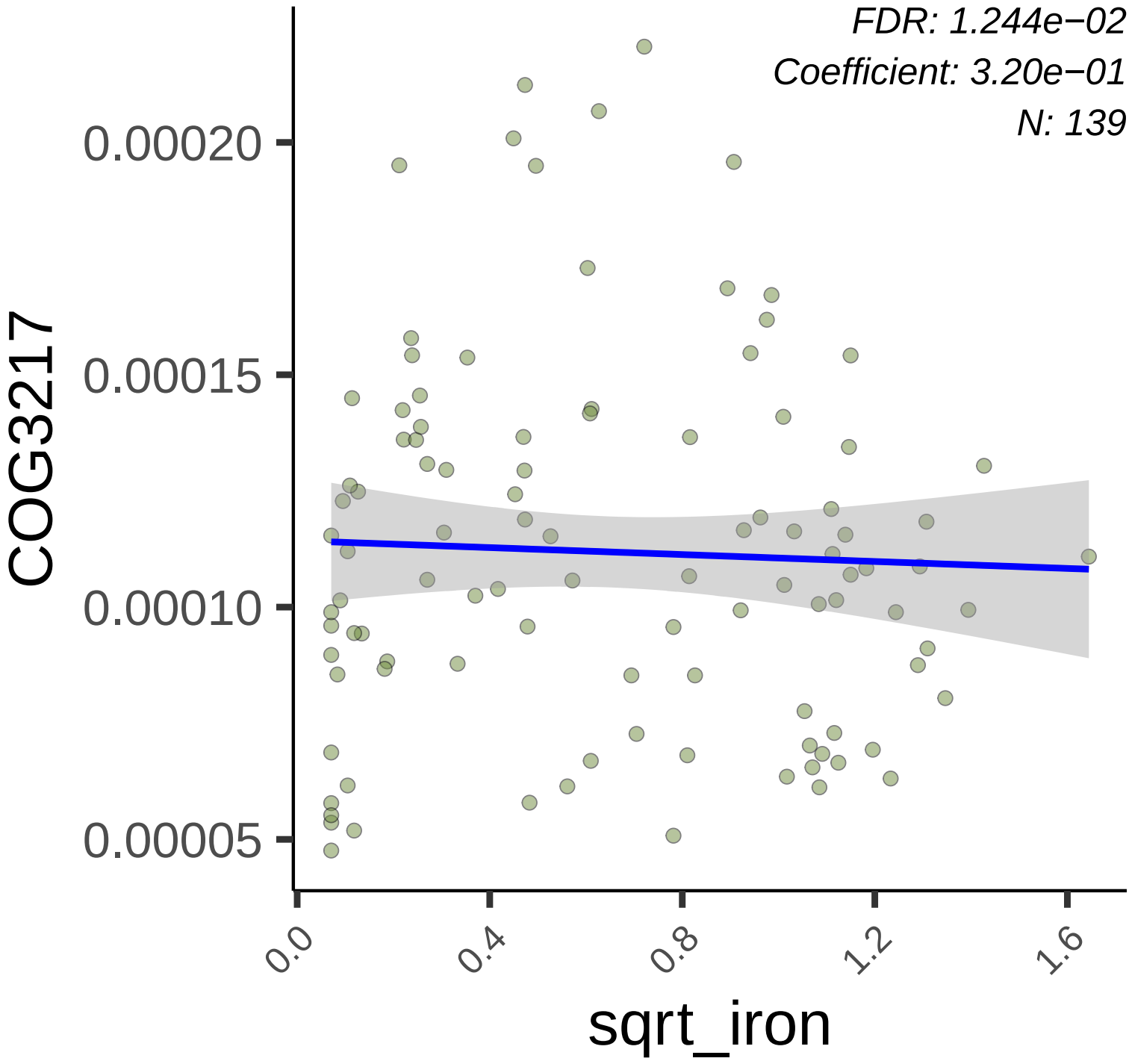
0.00004
COG2269
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.244e−02
Coefficient: 3.20e−01
N: 139
COG3217
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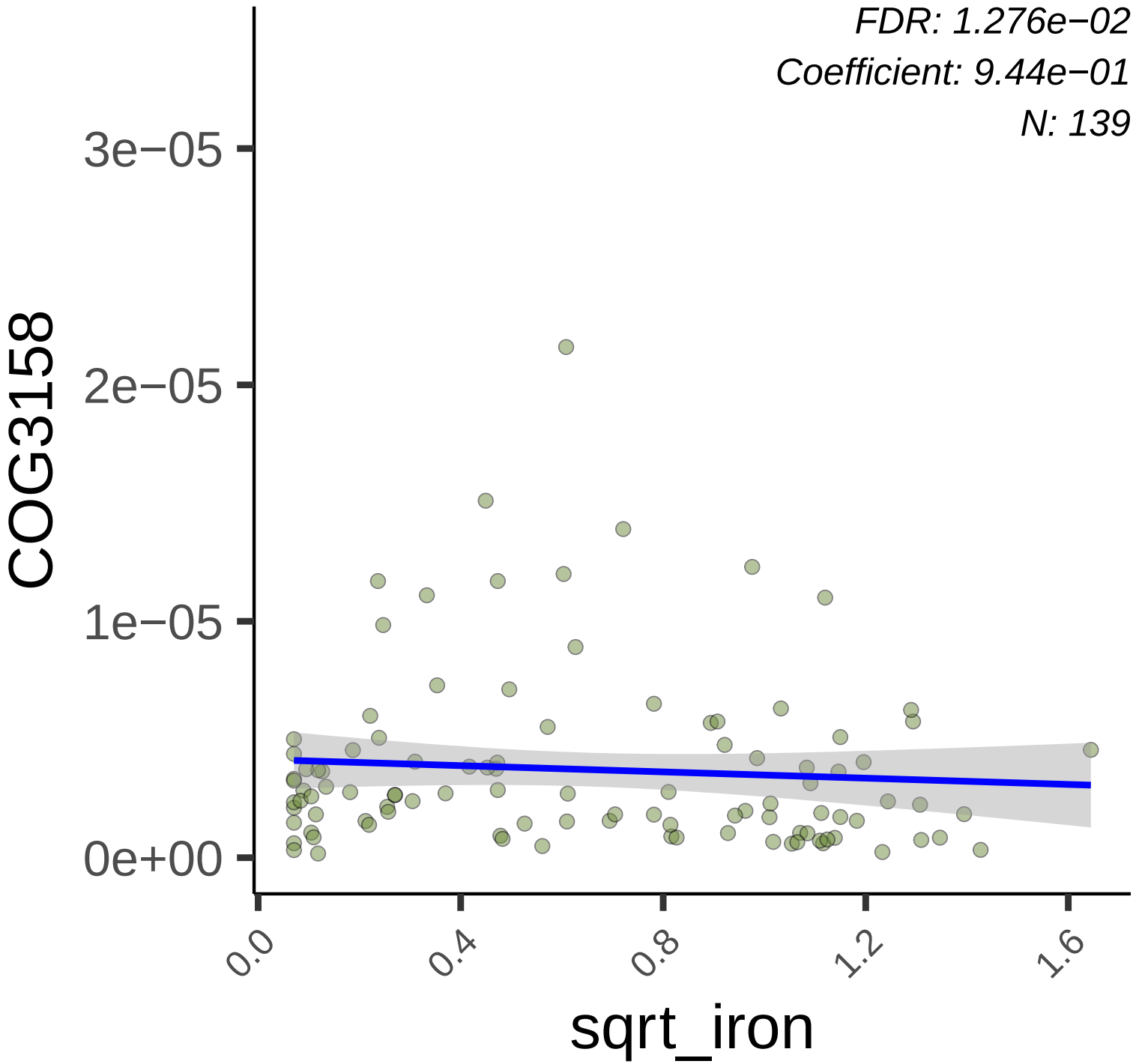
sqrt_iron


FDR: 1.276e−02
Coefficient: 9.44e−01
N: 139
COG3158
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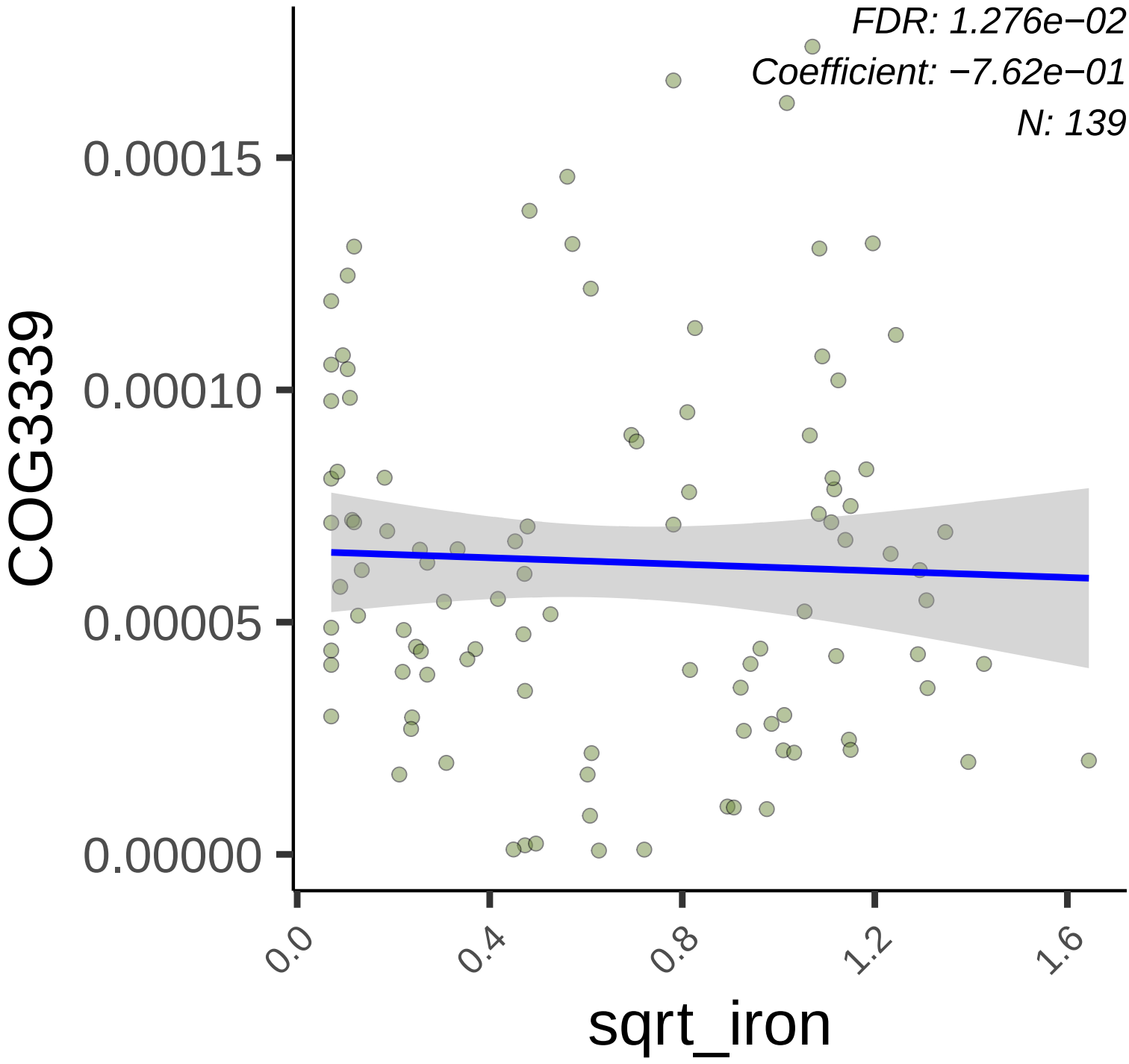
1.6
sqrt_iron


FDR: 1.276e−02
Coefficient: −7.62e−01
N: 139
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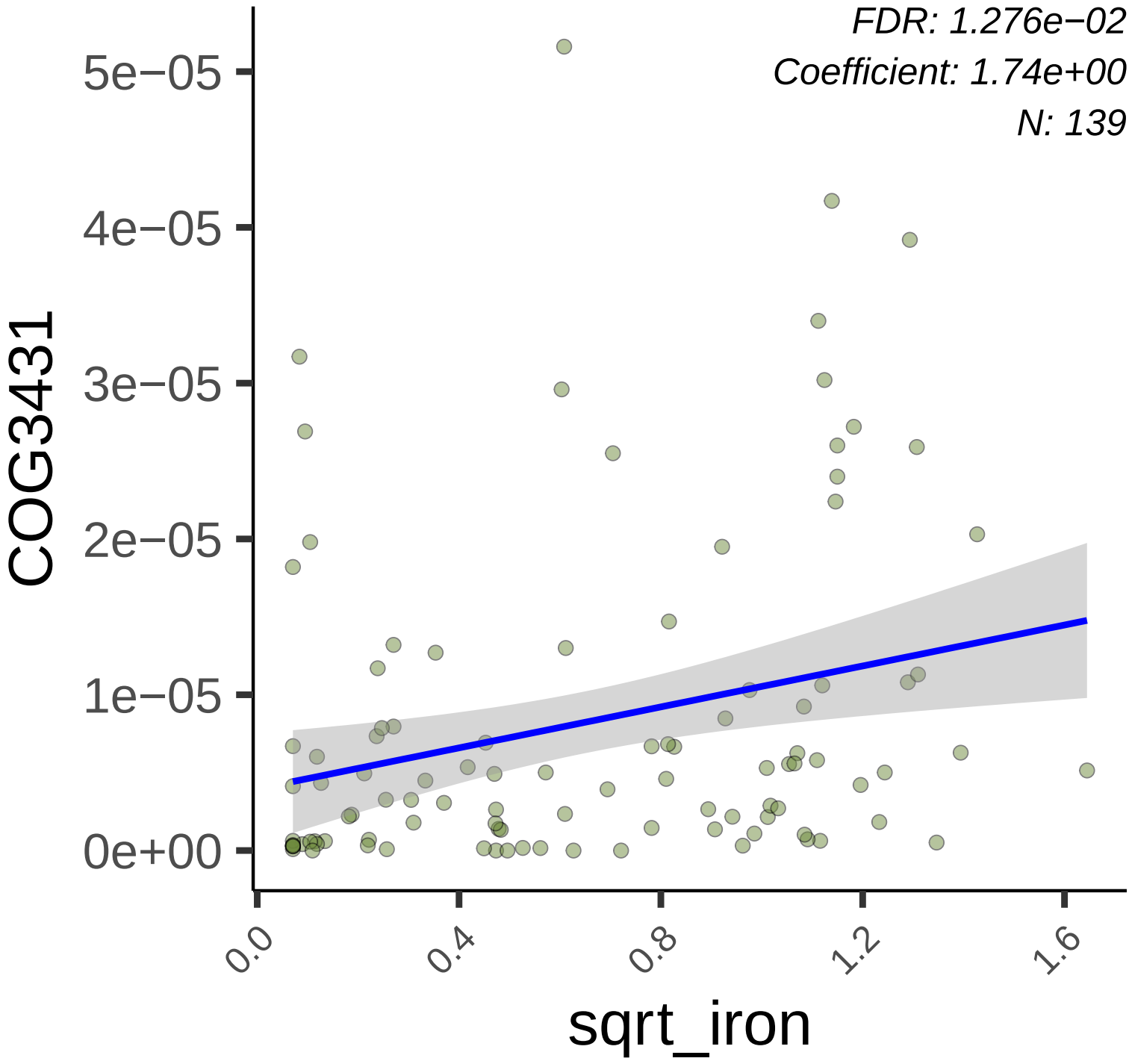
1.6
sqrt_iron


FDR: 1.276e−02
Coefficient: 1.74e+00
N: 139
COG3431
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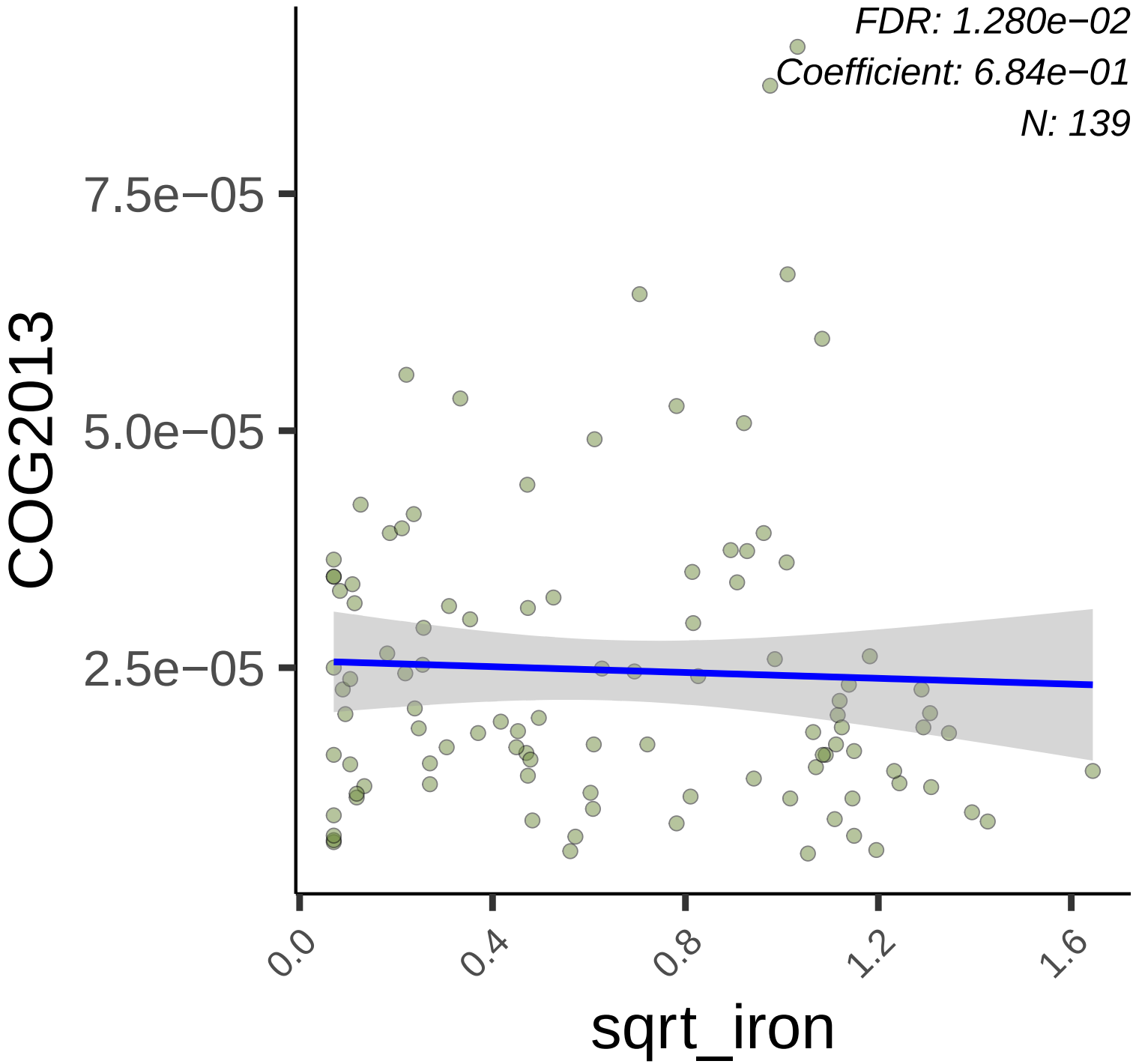
1.2
1.6
sqrt_iron


FDR: 1.280e−02
Coefficient: 6.84e−01
N: 139
7.5e−05
5.0e−05
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COG2013
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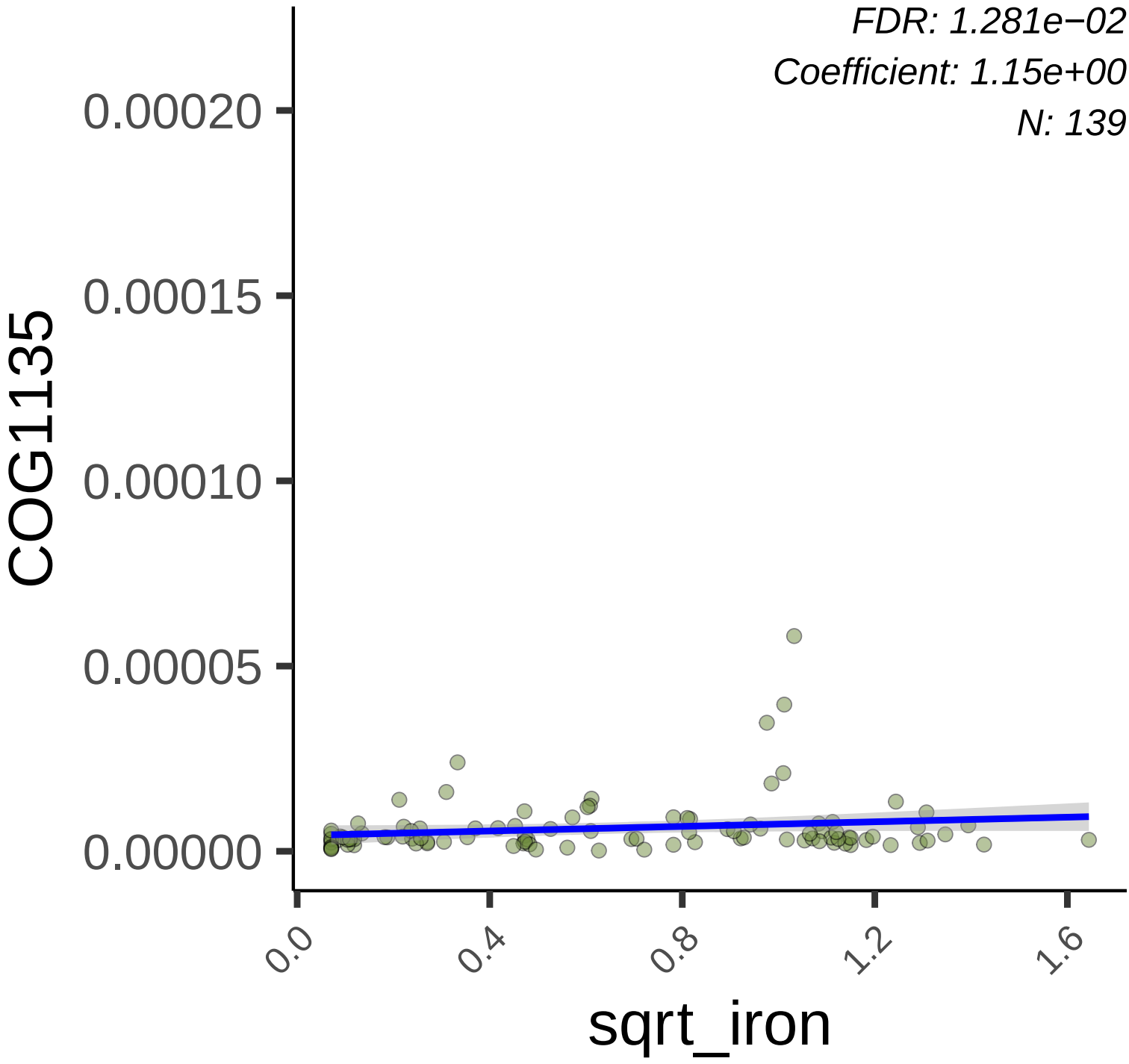
1.6
sqrt_iron


FDR: 1.281e−02
Coefficient: 1.15e+00
N: 139
COG1135
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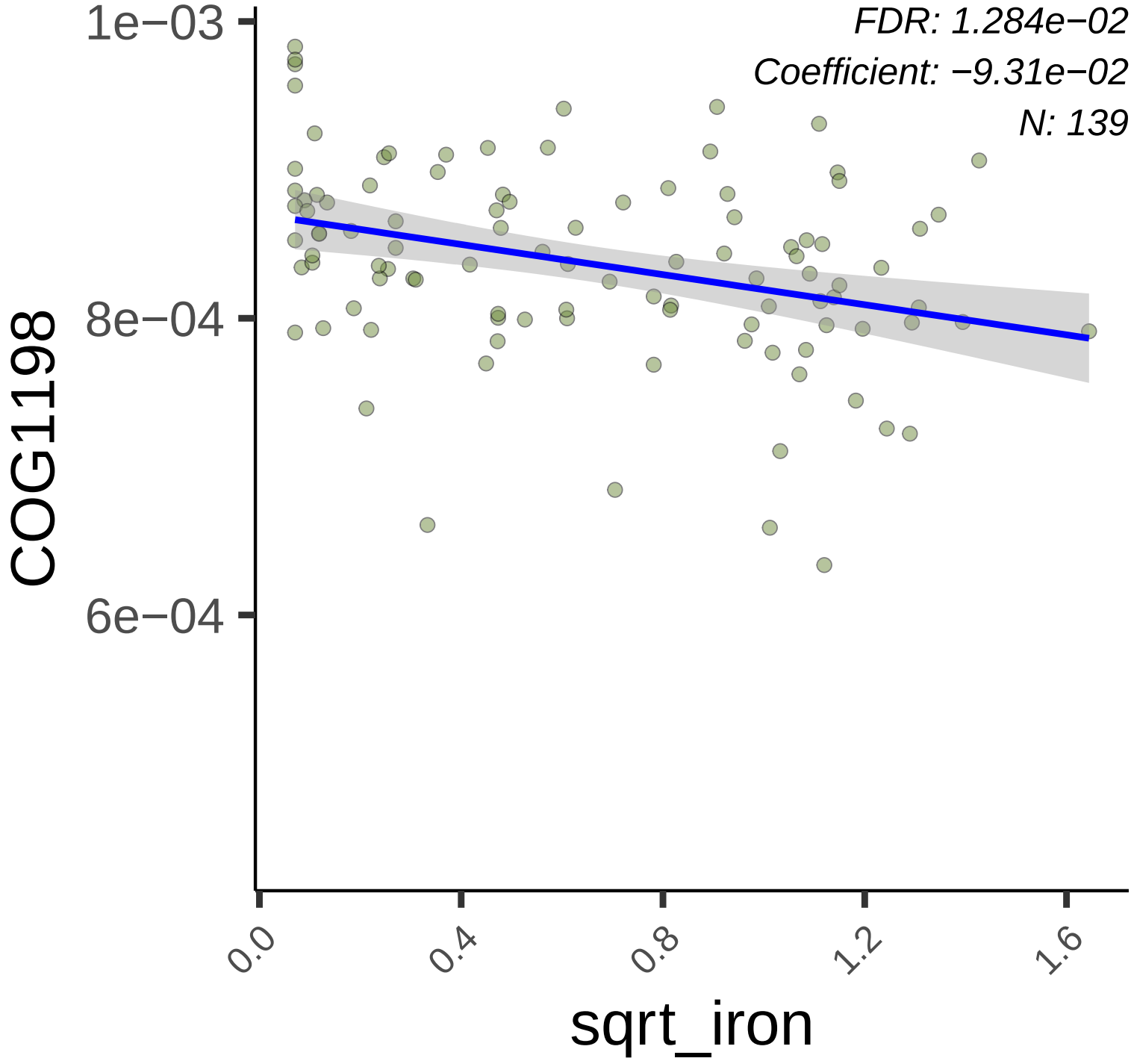
sqrt_iron


FDR: 1.284e−02
Coefficient: −9.31e−02
N: 139
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8e−04
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COG1198
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0.4
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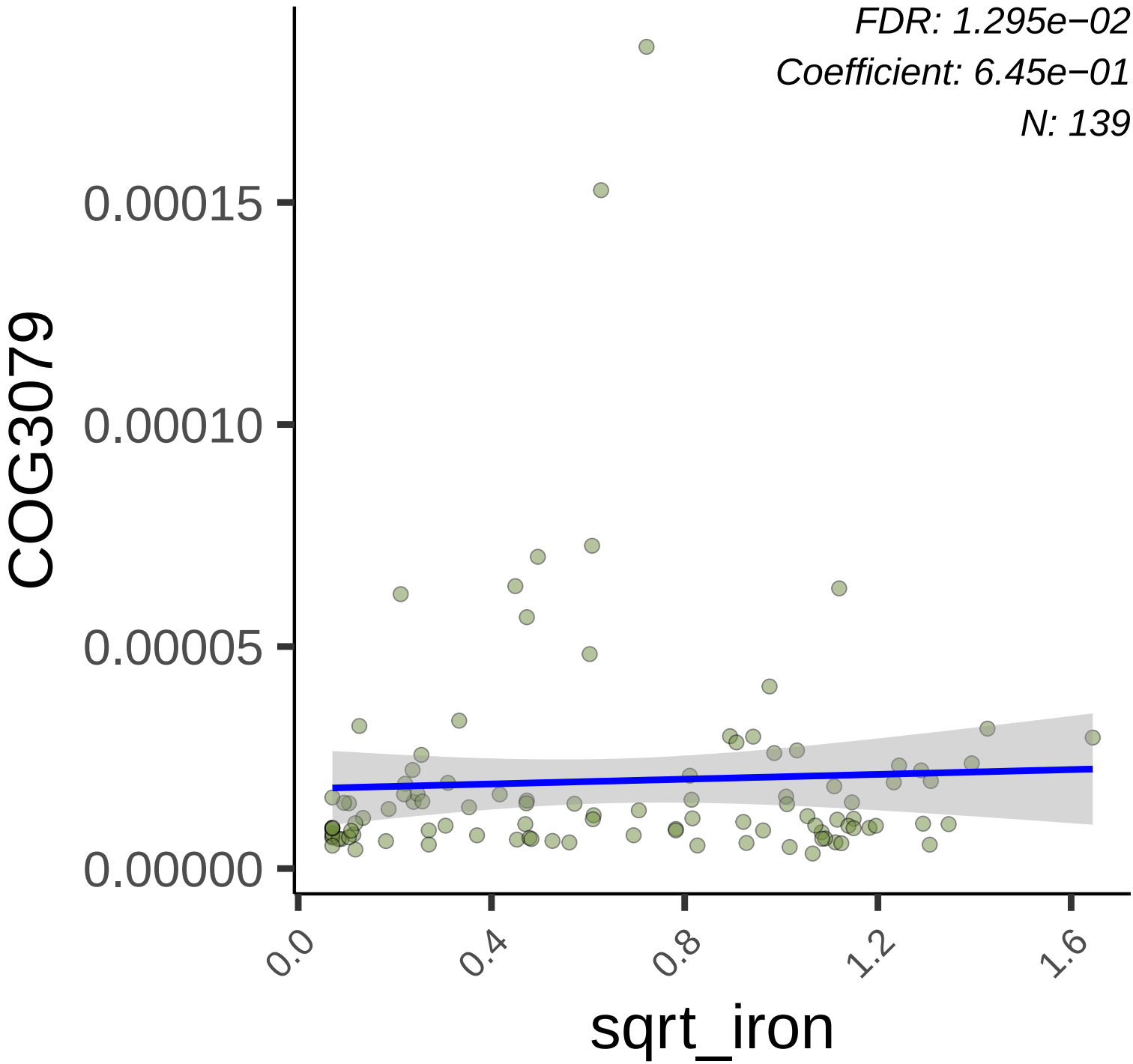
1.2
1.6
sqrt_iron


FDR: 1.295e−02
Coefficient: 6.45e−01
N: 139
COG3079
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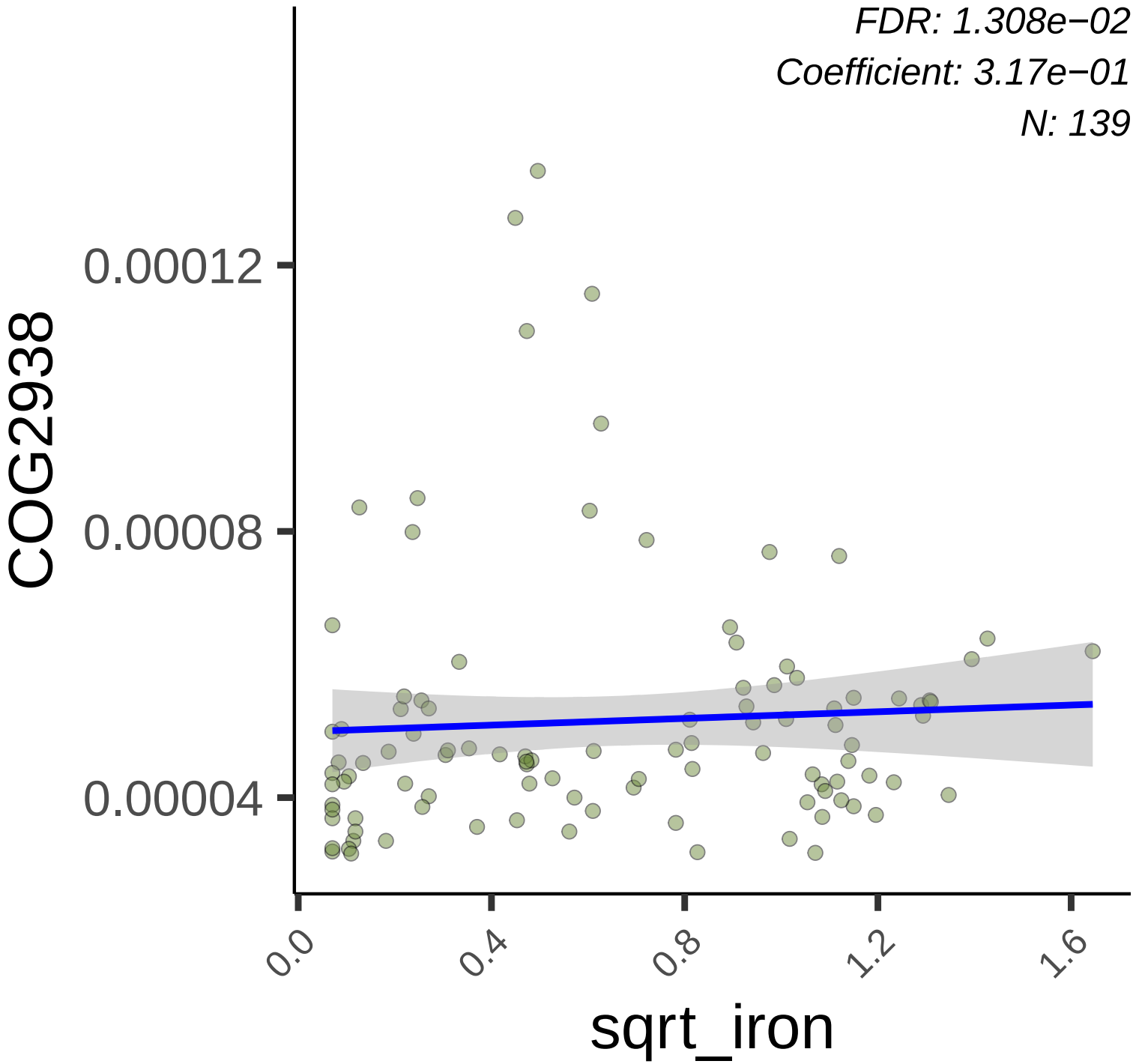
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.308e−02
Coefficient: 3.17e−01
N: 139
COG2938
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0.00004
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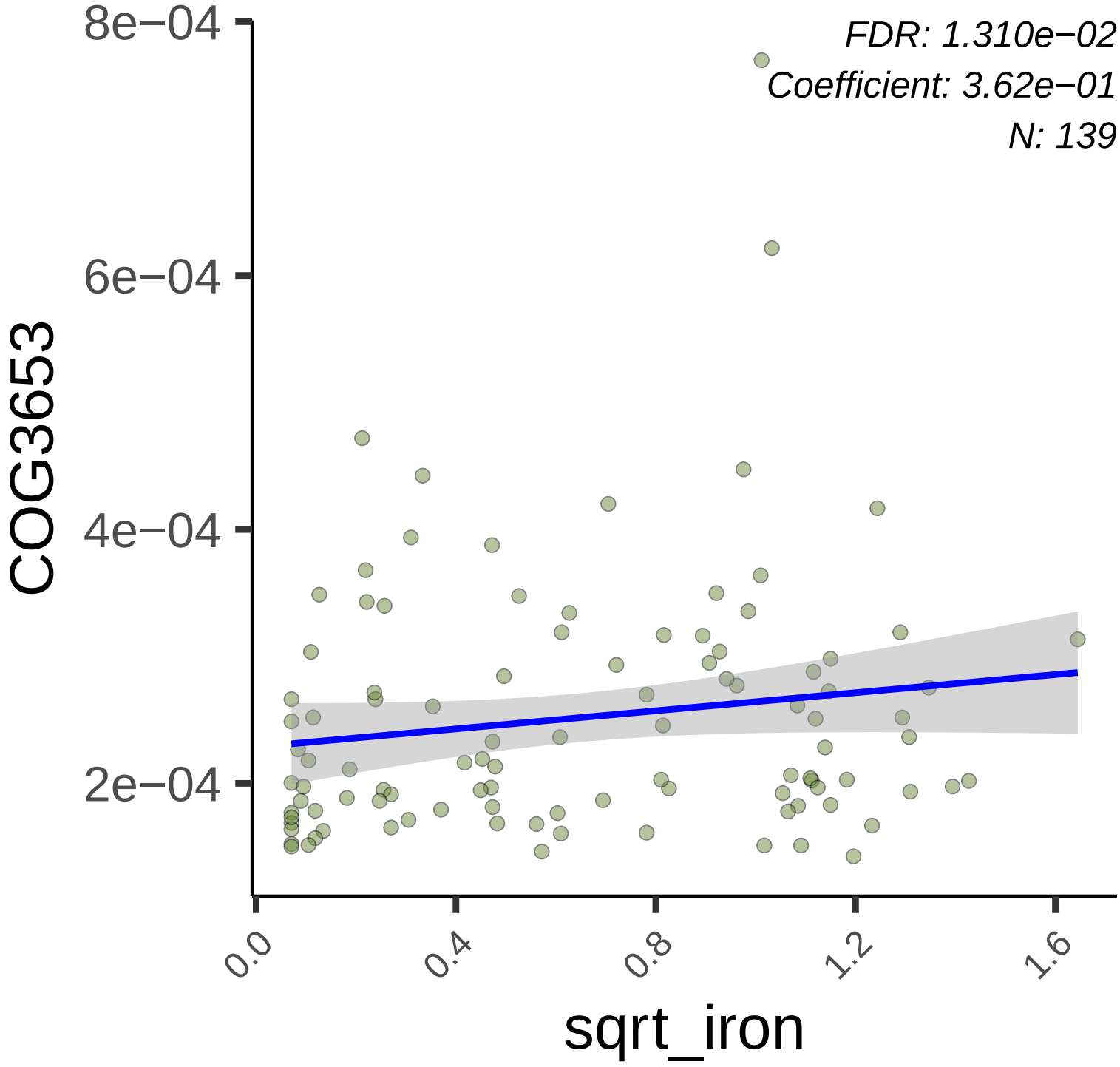
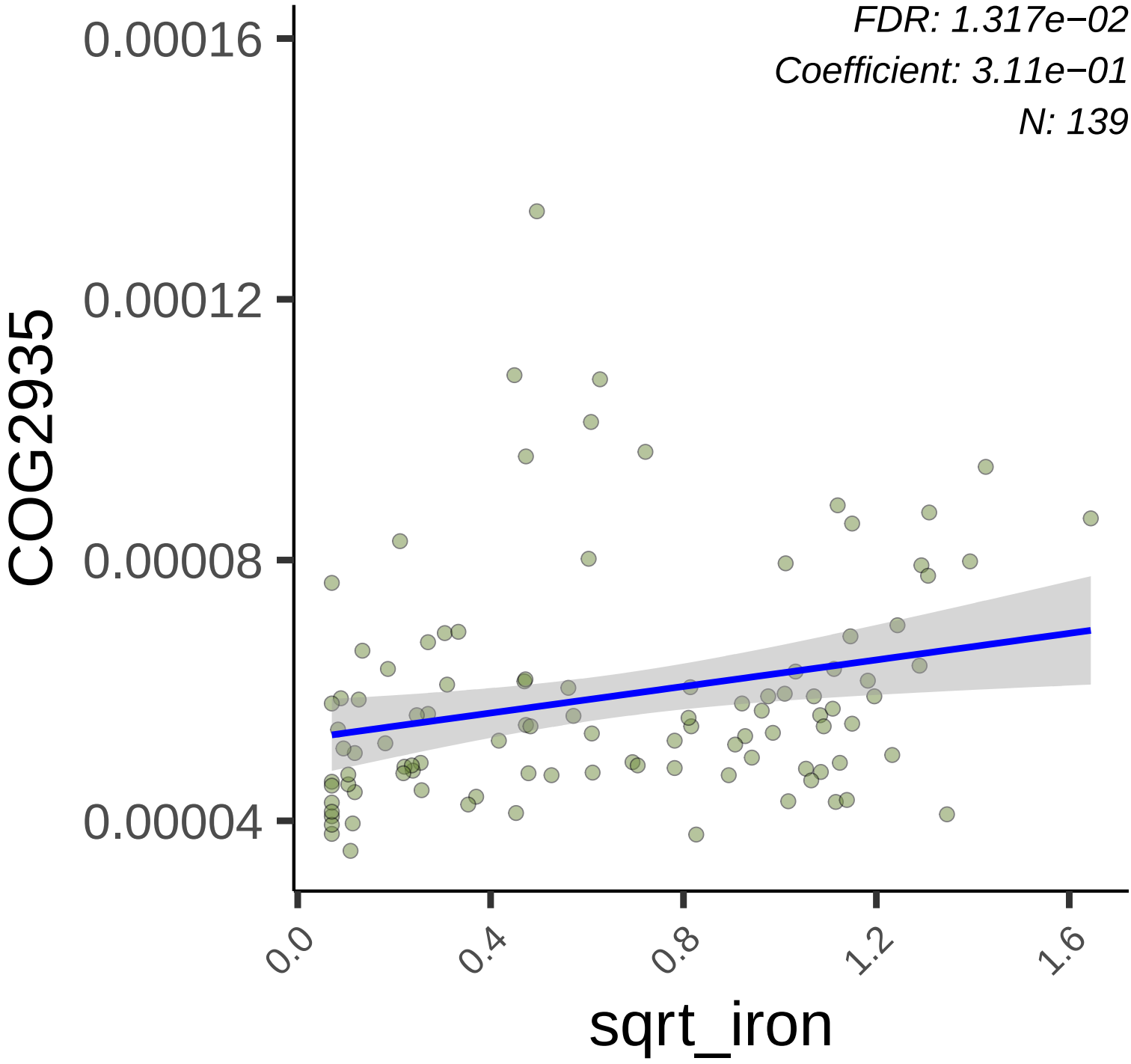
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.310e−02
Coefficient: 3.62e−01
N: 139
8e−04
6e−04
4e−04
2e−04
COG3653
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.317e−02
Coefficient: 3.11e−01
N: 139
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0.00004
COG2935
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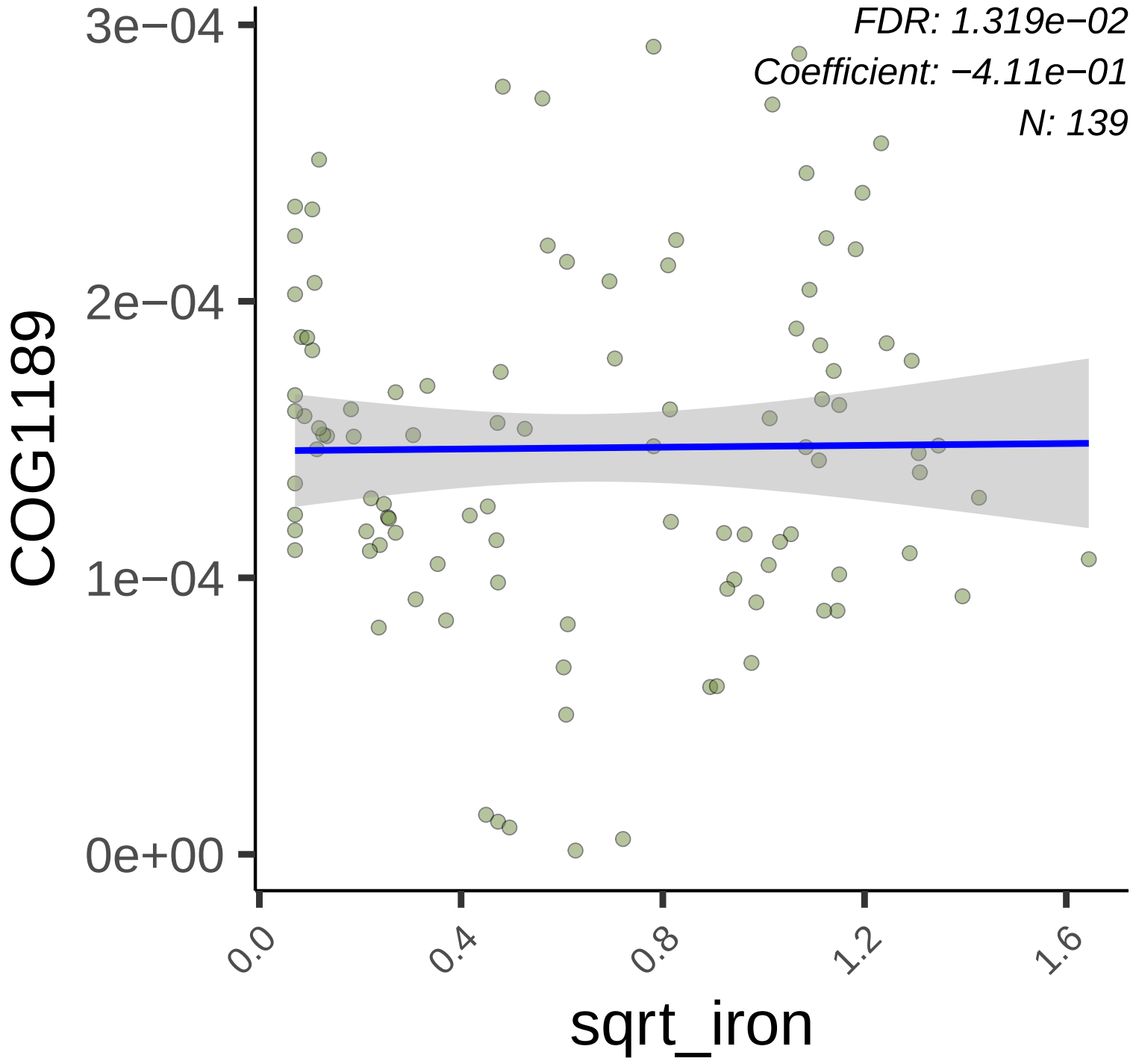
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.319e−02
Coefficient: −4.11e−01
N: 139
3e−04
2e−04
1e−04
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COG1189
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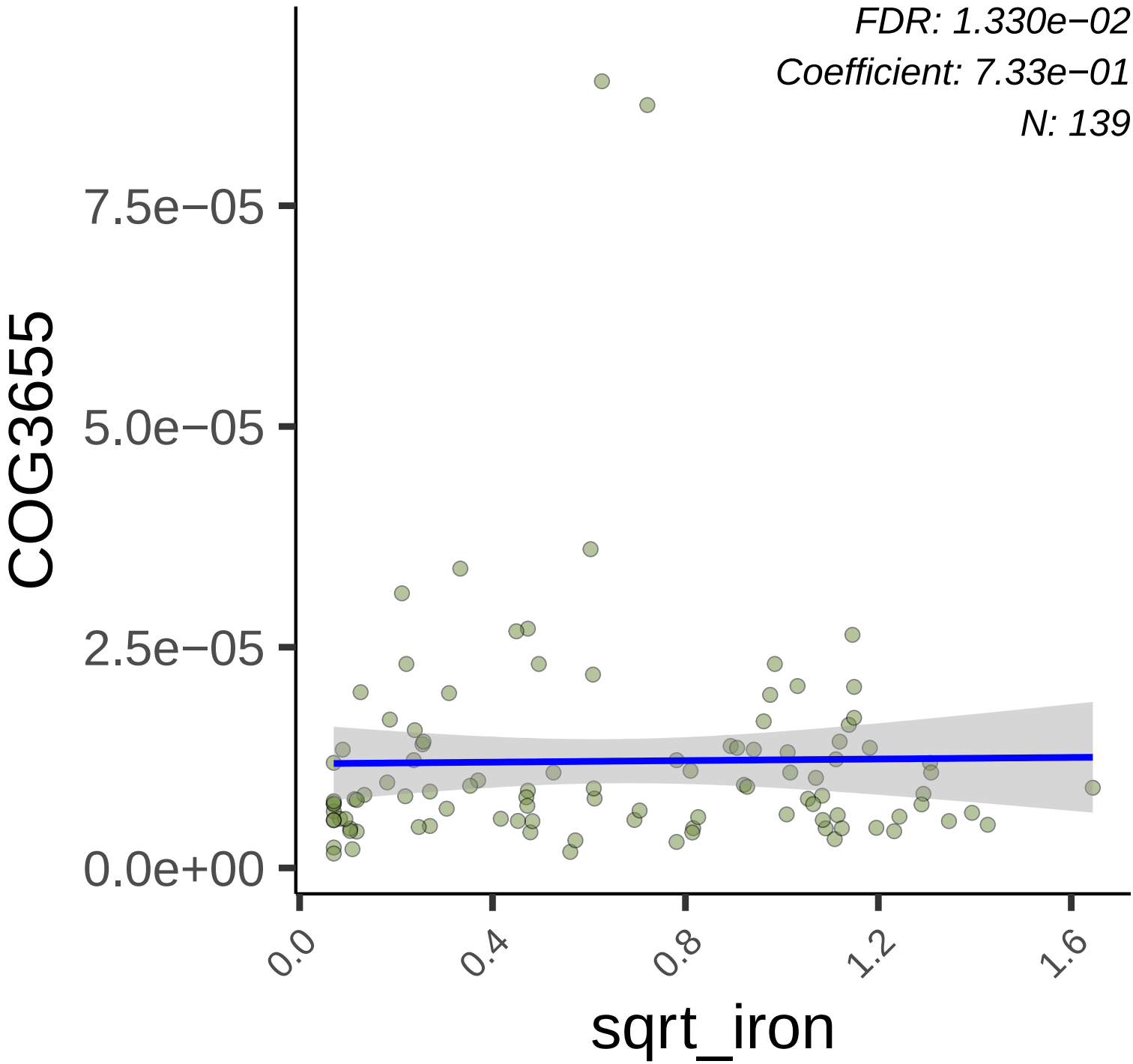
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.330e−02
Coefficient: 7.33e−01
N: 139
COG3655
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2.5e−05
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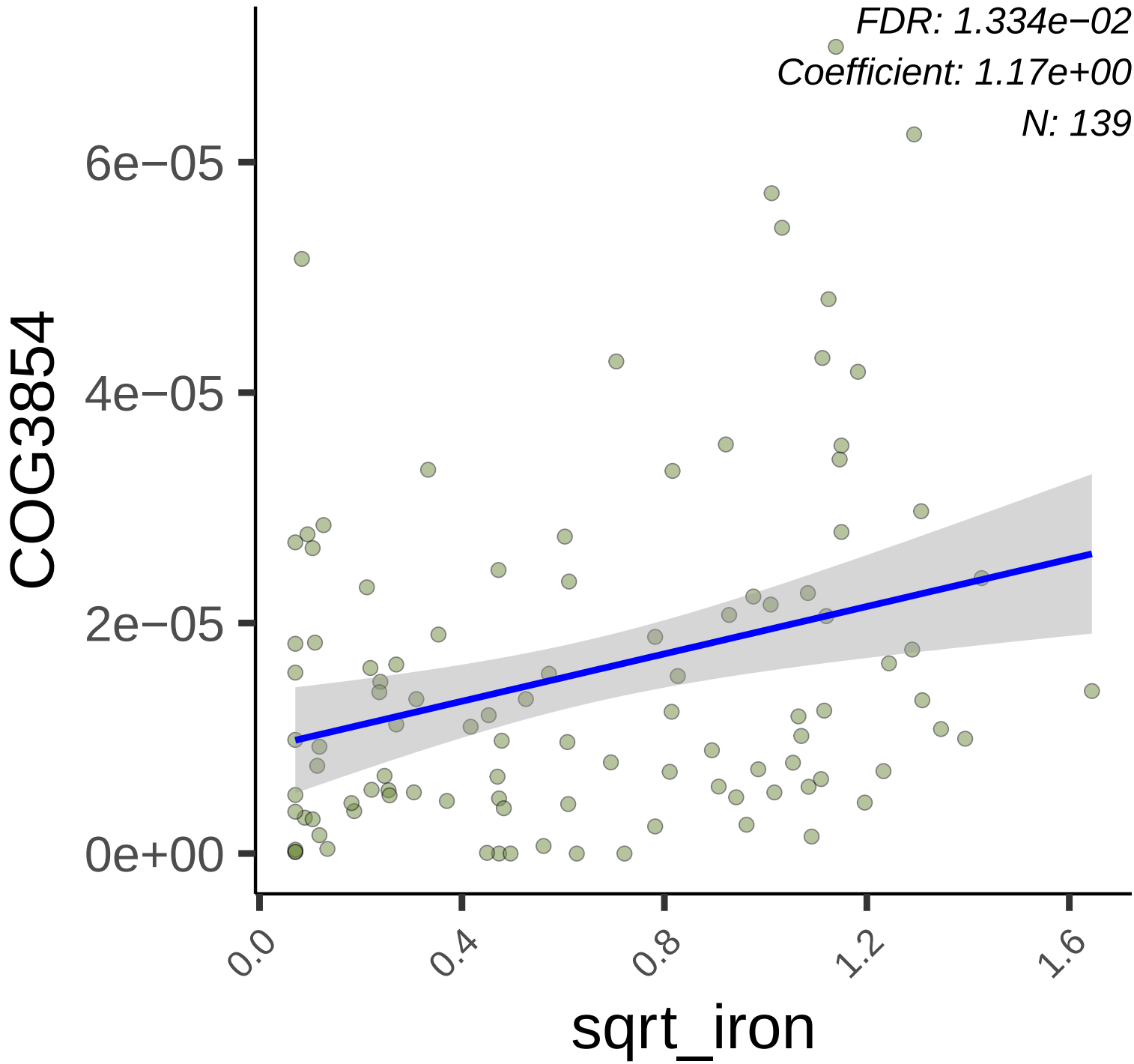
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.334e−02
Coefficient: 1.17e+00
N: 139
COG3854
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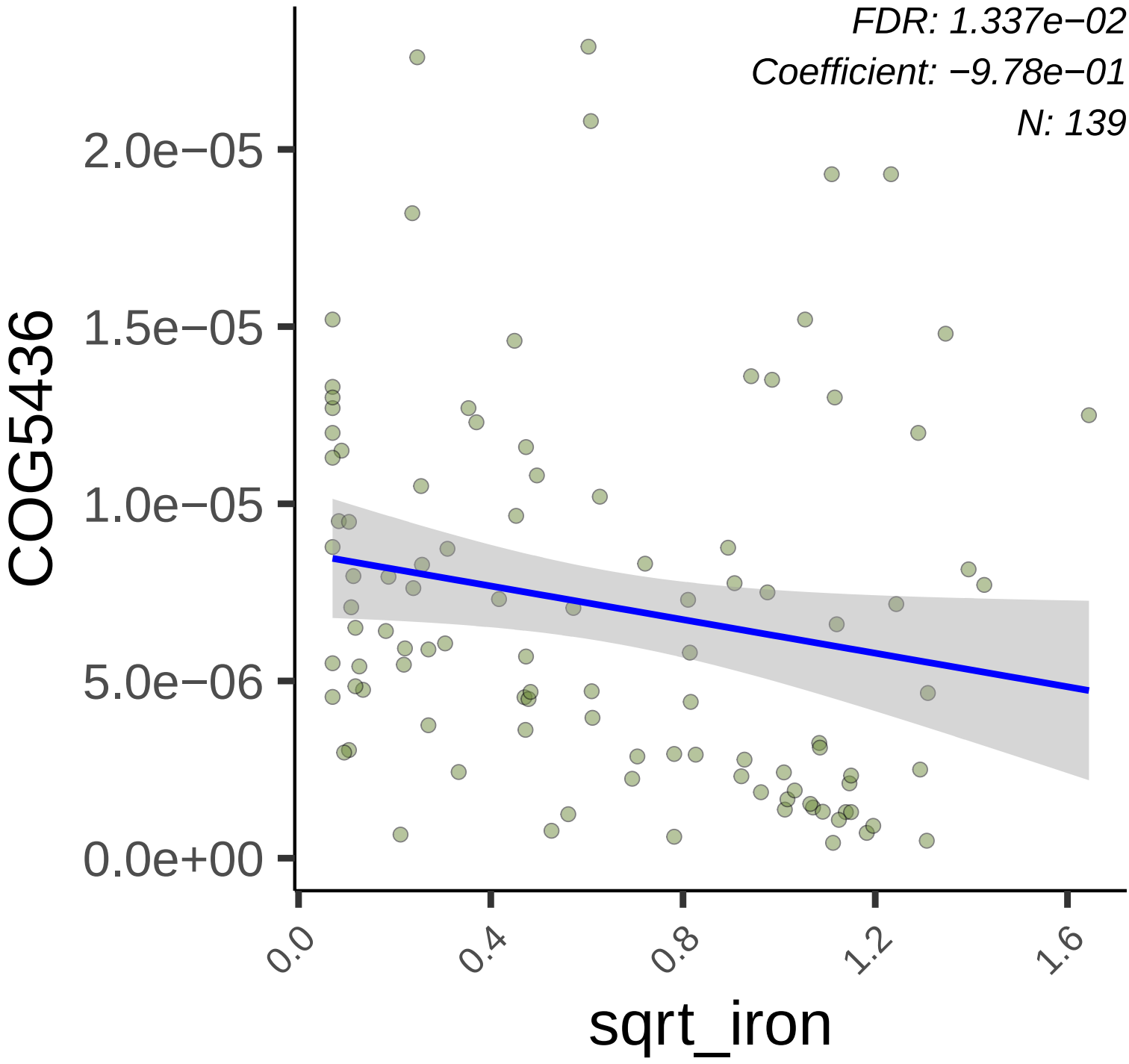
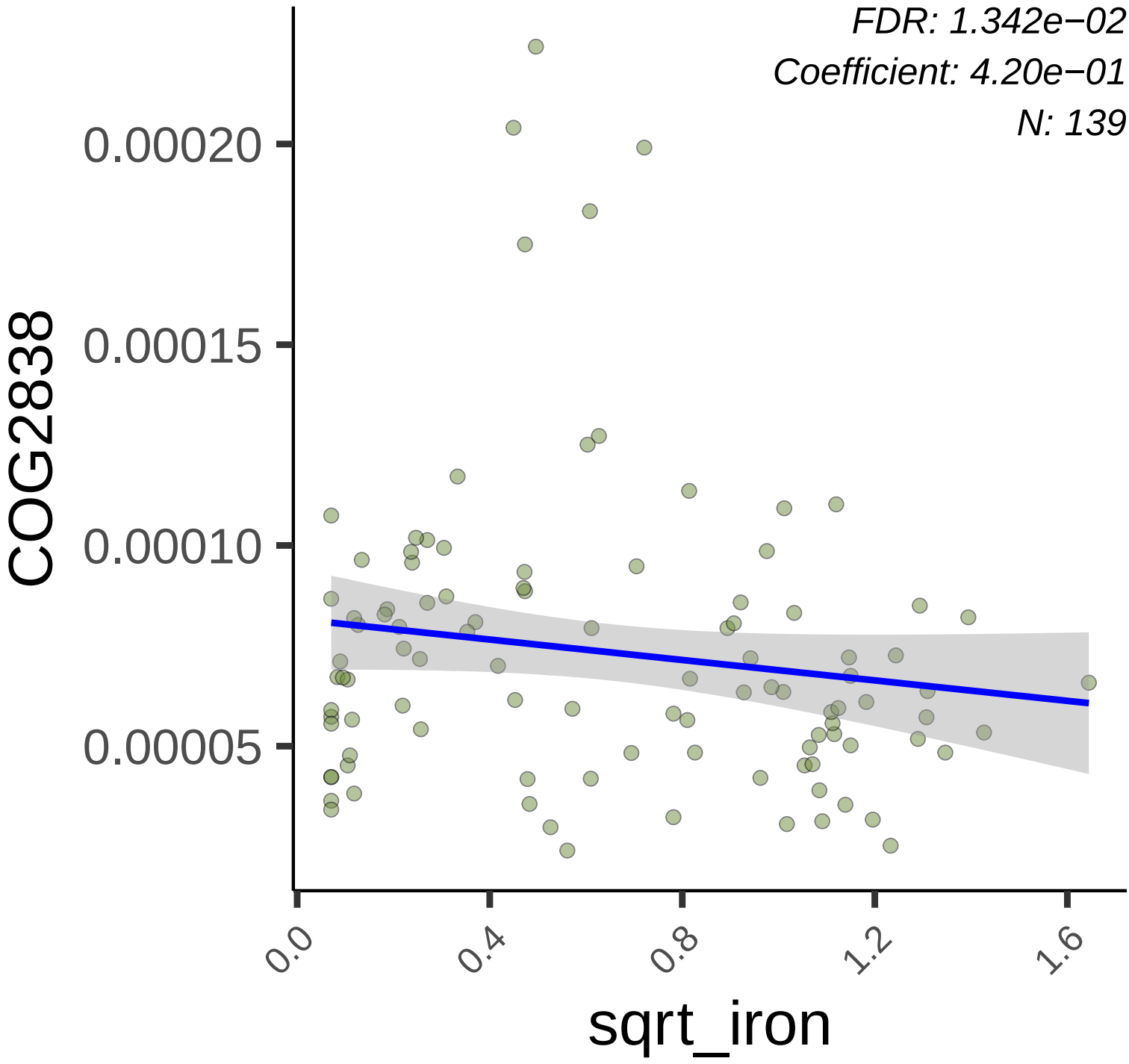
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.337e−02
Coefficient: −9.78e−01
N: 139
COG5436
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: 1.342e−02
Coefficient: 4.20e−01
N: 139
COG2838
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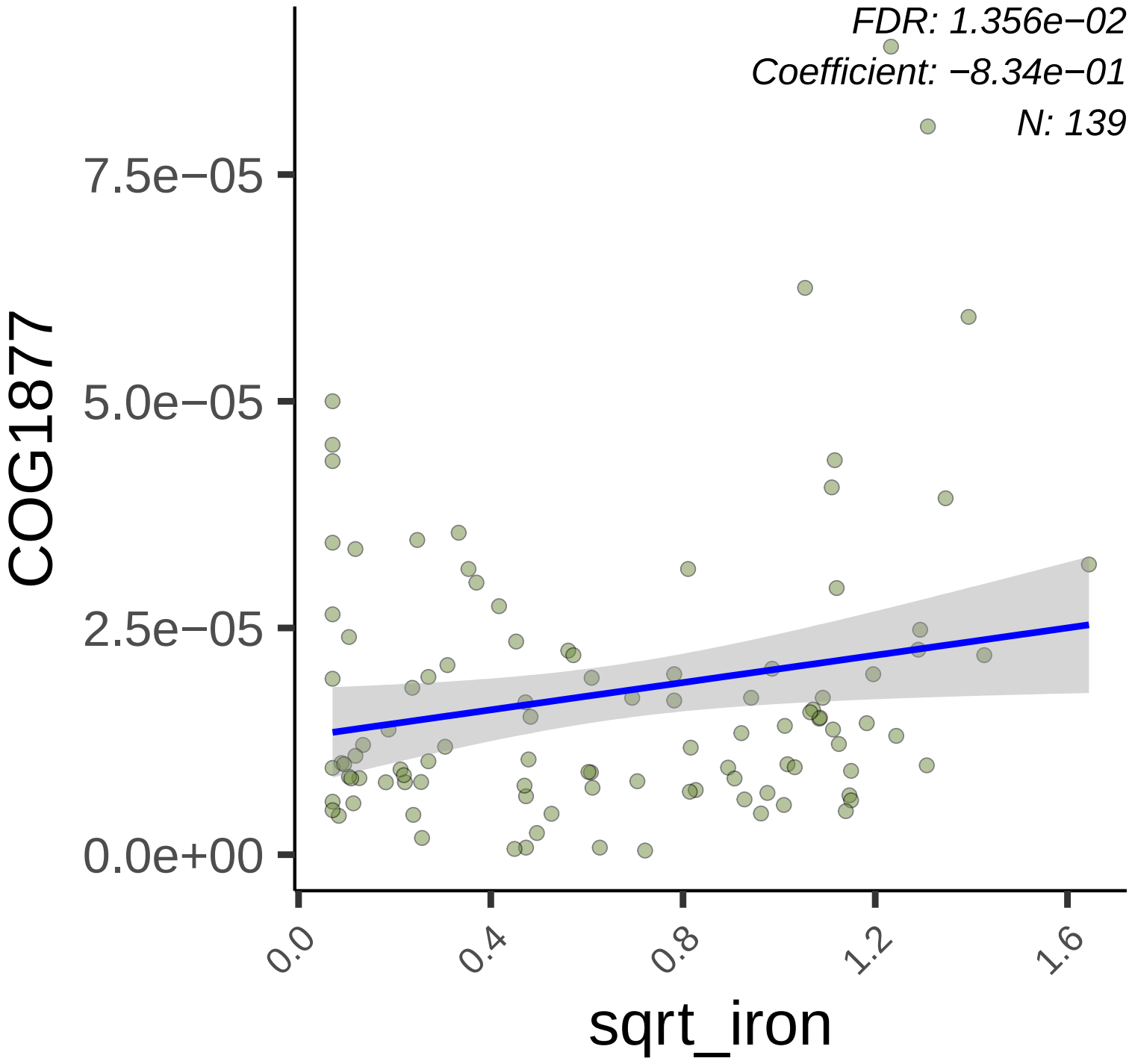
0.00010
0.00005
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.356e−02
Coefficient: −8.34e−01
N: 139
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5.0e−05
2.5e−05
0.0e+00
COG1877
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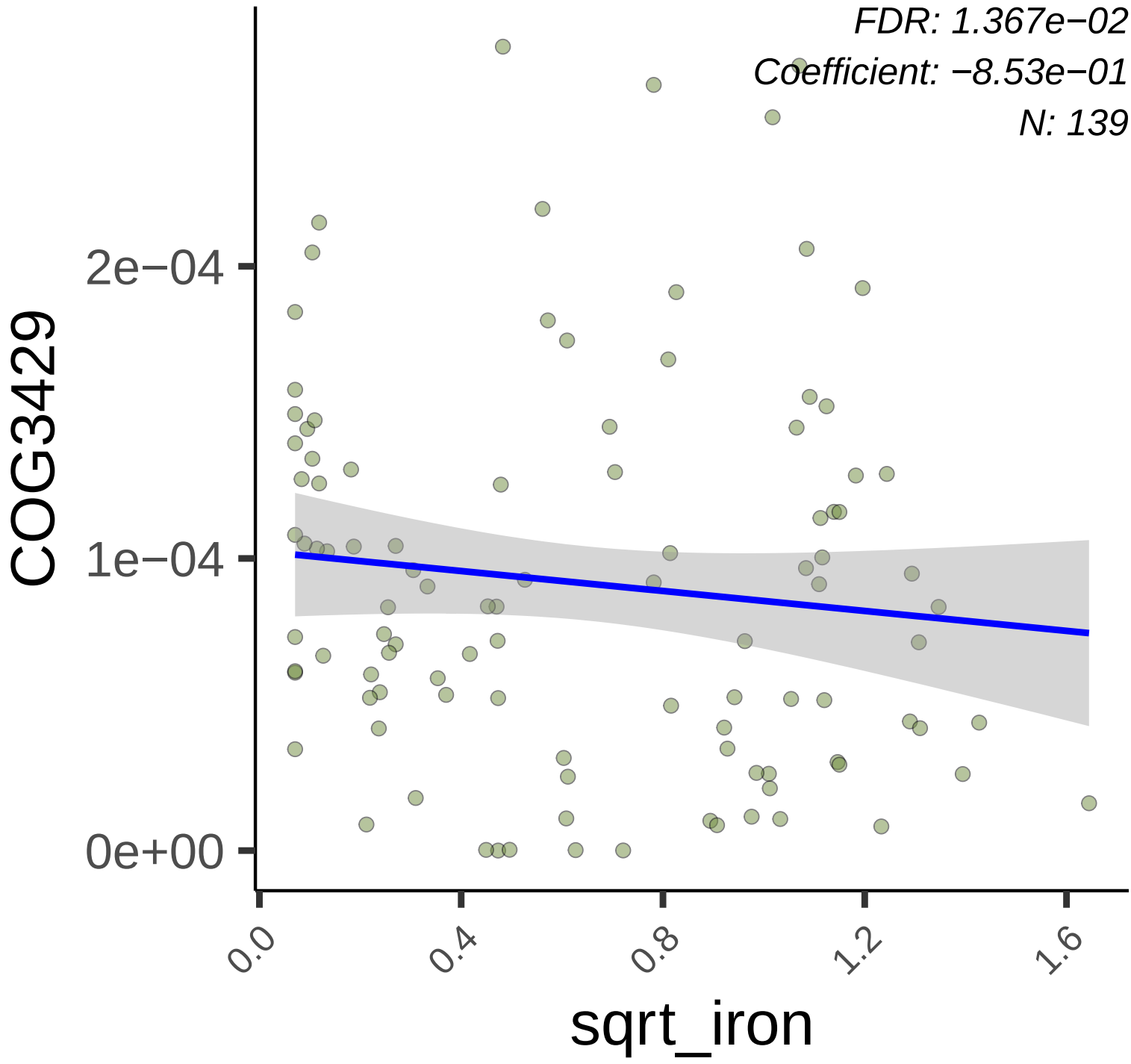
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.367e−02
Coefficient: −8.53e−01
N: 139
COG3429
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1e−04
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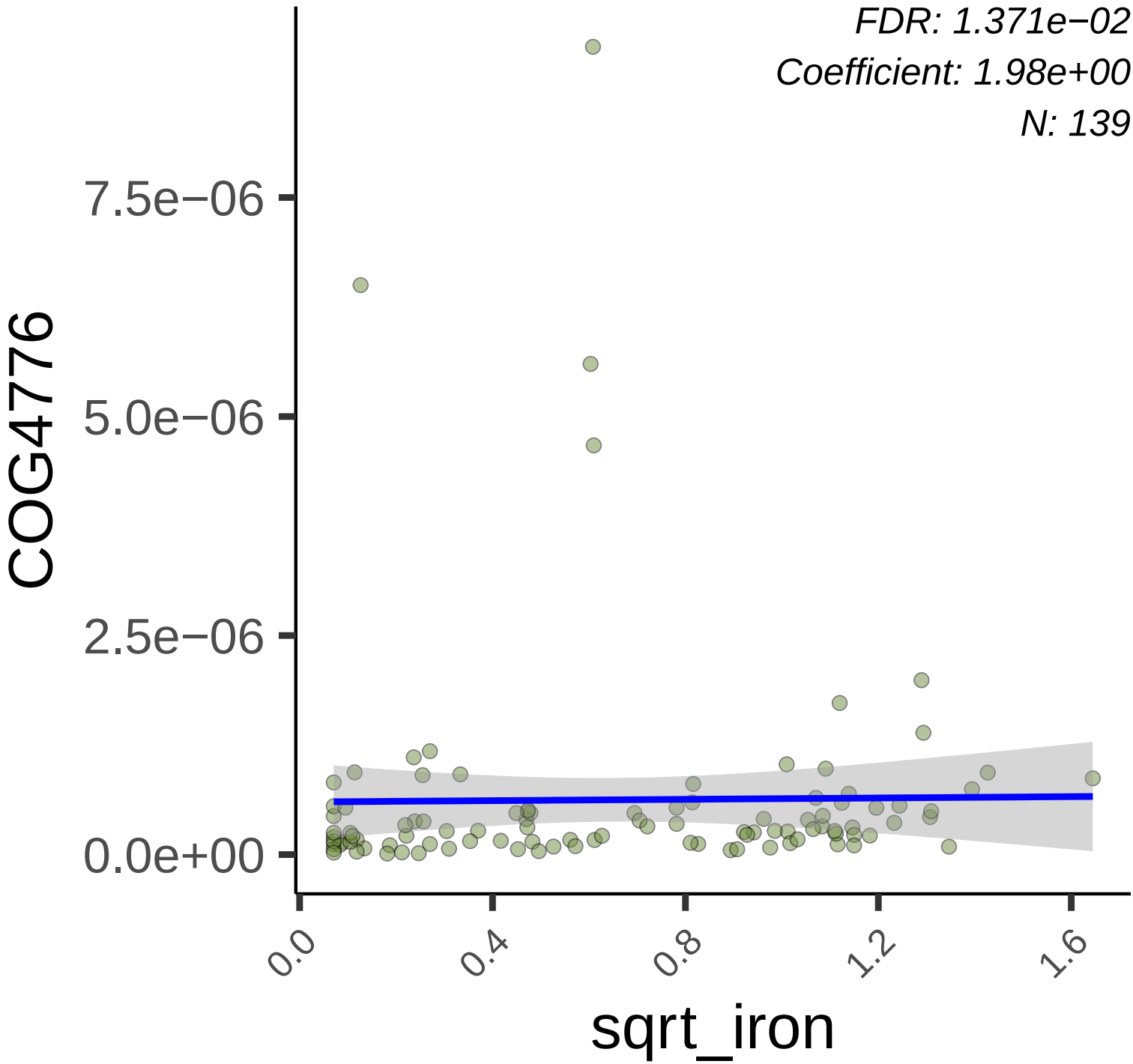
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.371e−02
Coefficient: 1.98e+00
N: 139
COG4776
7.5e−06
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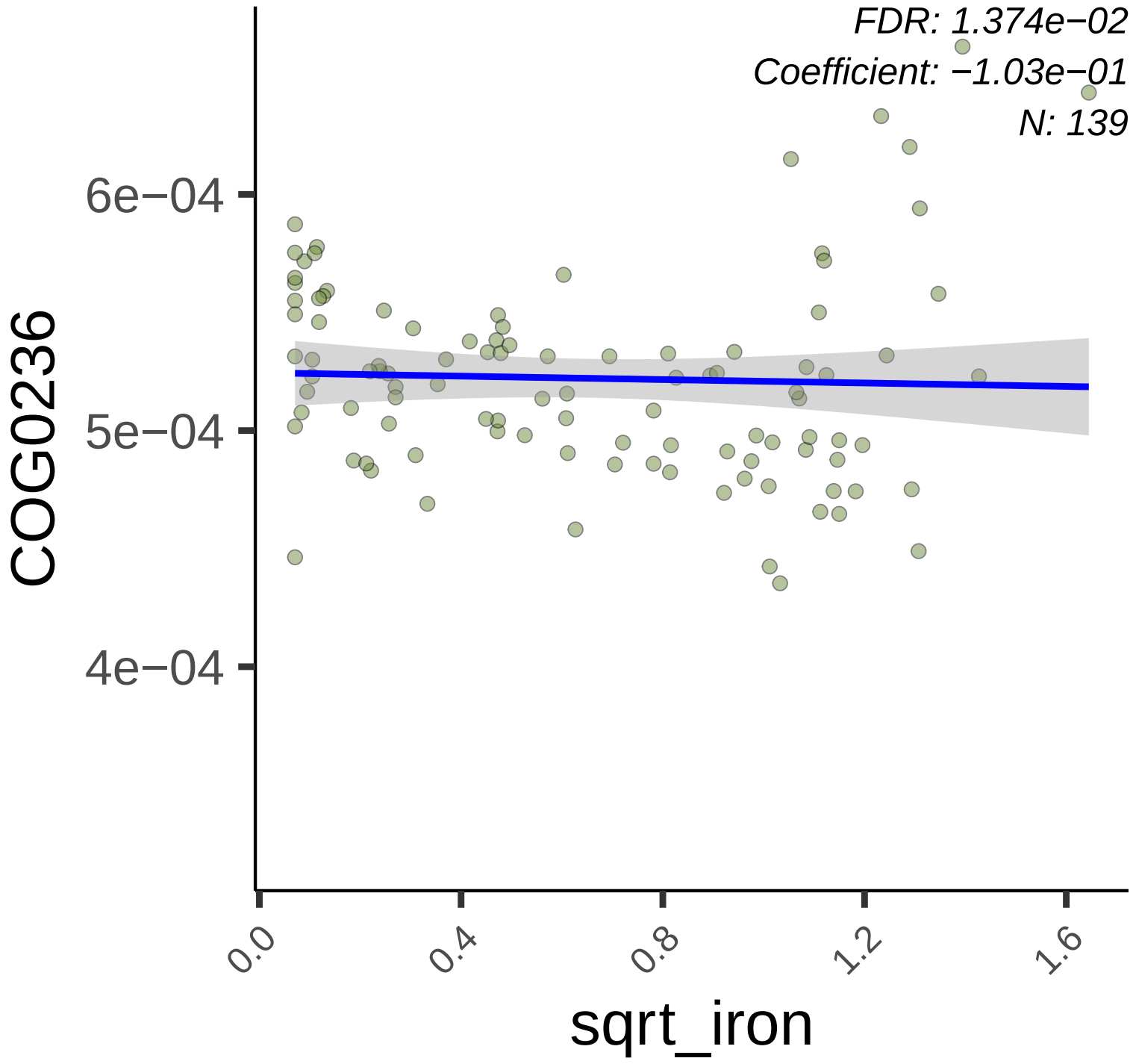
2.5e−06
0.0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.374e−02
Coefficient: −1.03e−01
N: 139
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COG0236
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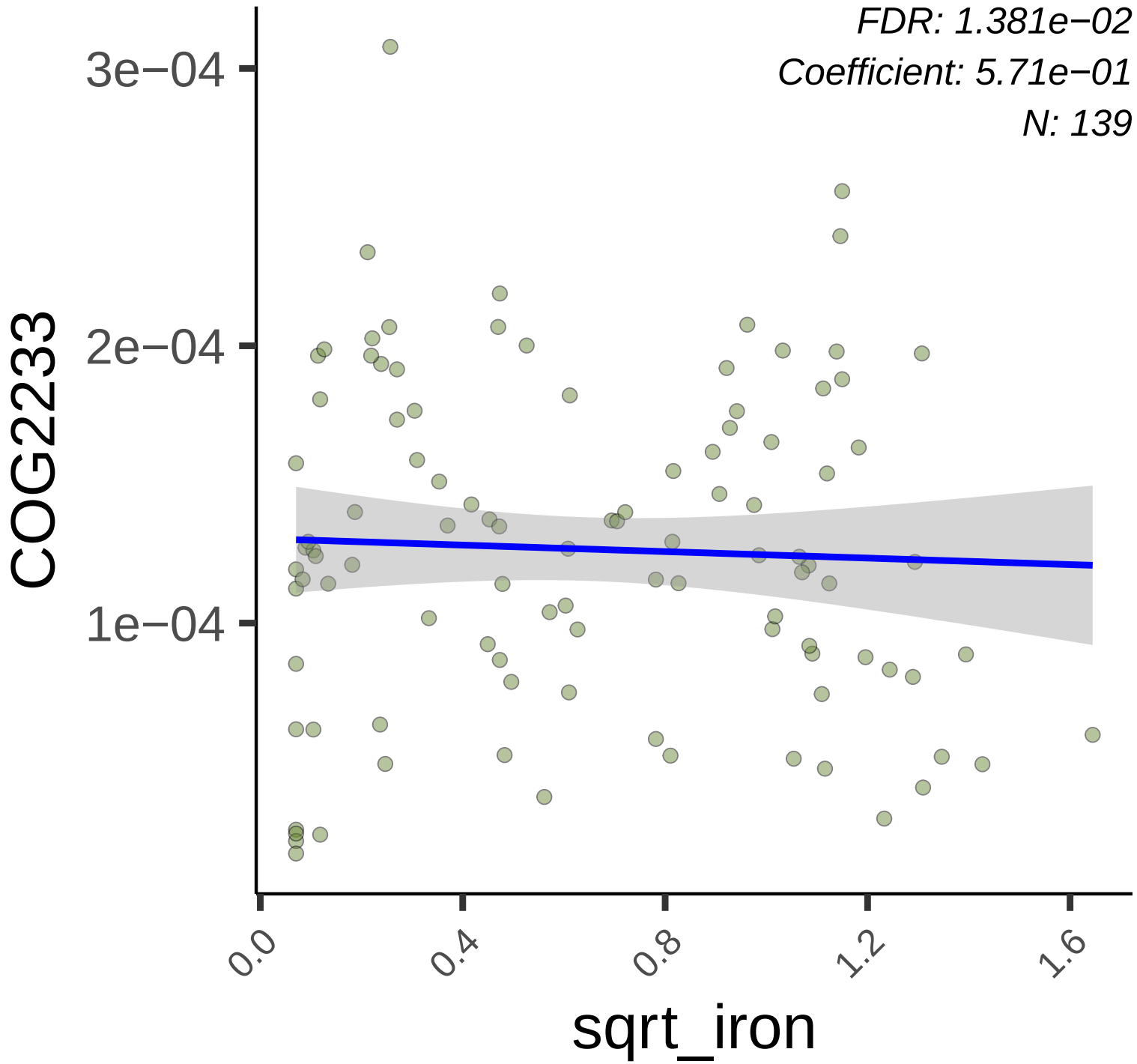
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.381e−02
Coefficient: 5.71e−01
N: 139
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2e−04
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COG2233
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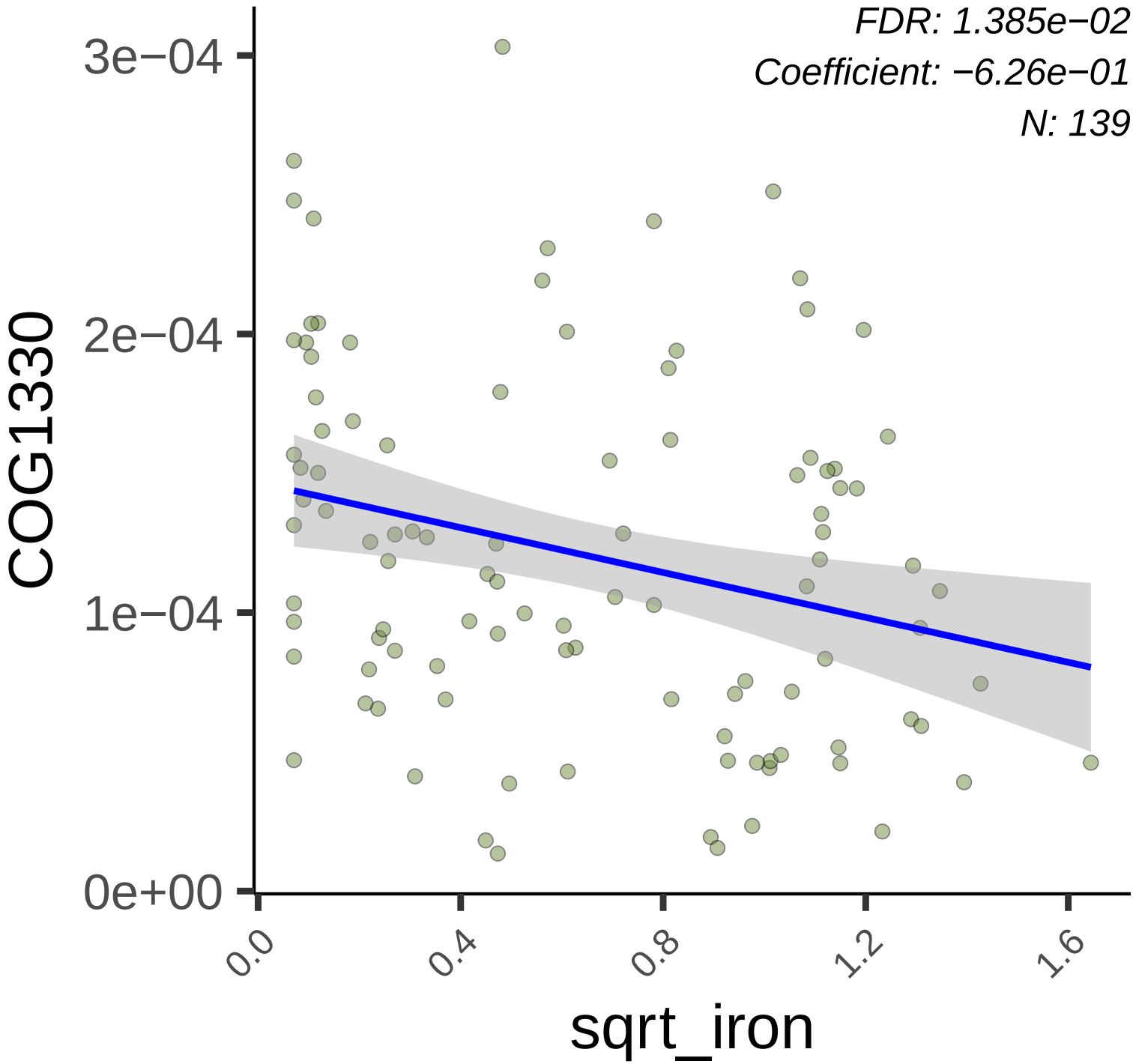
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.385e−02
Coefficient: −6.26e−01
N: 139
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1e−04
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COG1330
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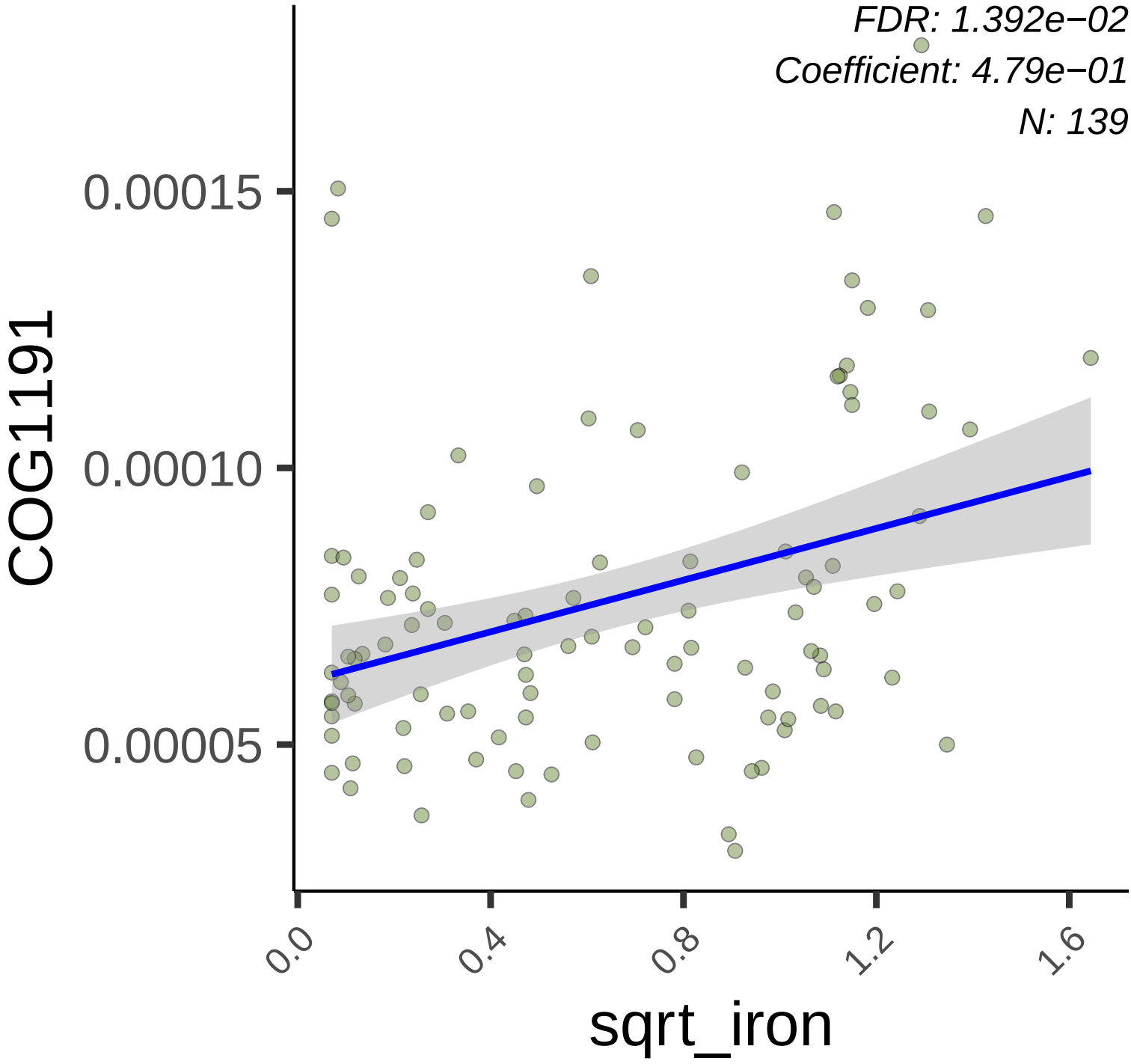
1.6
sqrt_iron


FDR: 1.392e−02
Coefficient: 4.79e−01
N: 139
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COG1191
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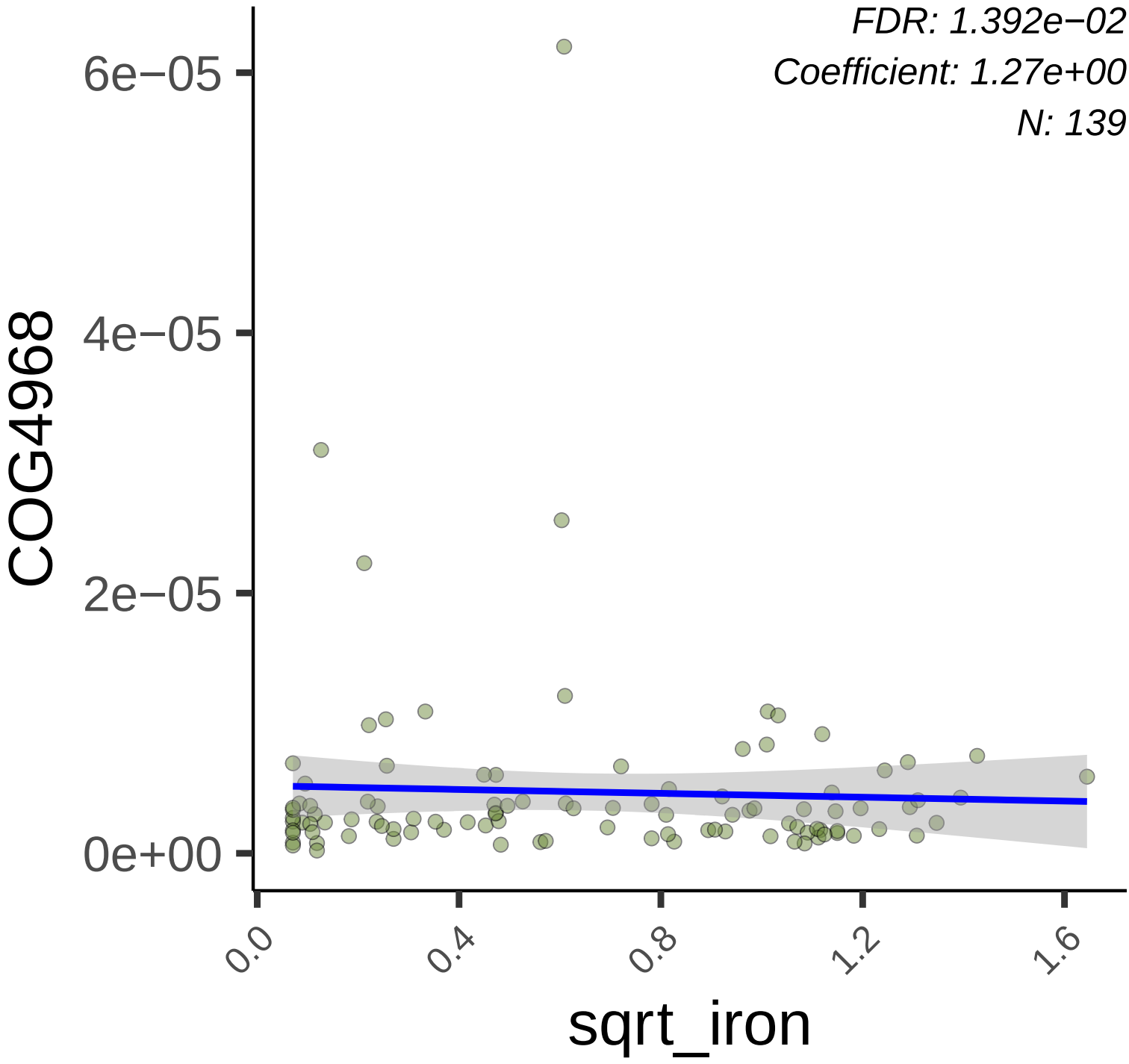
0.8
1.2
1.6
sqrt_iron


FDR: 1.392e−02
Coefficient: 1.27e+00
N: 139
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2e−05
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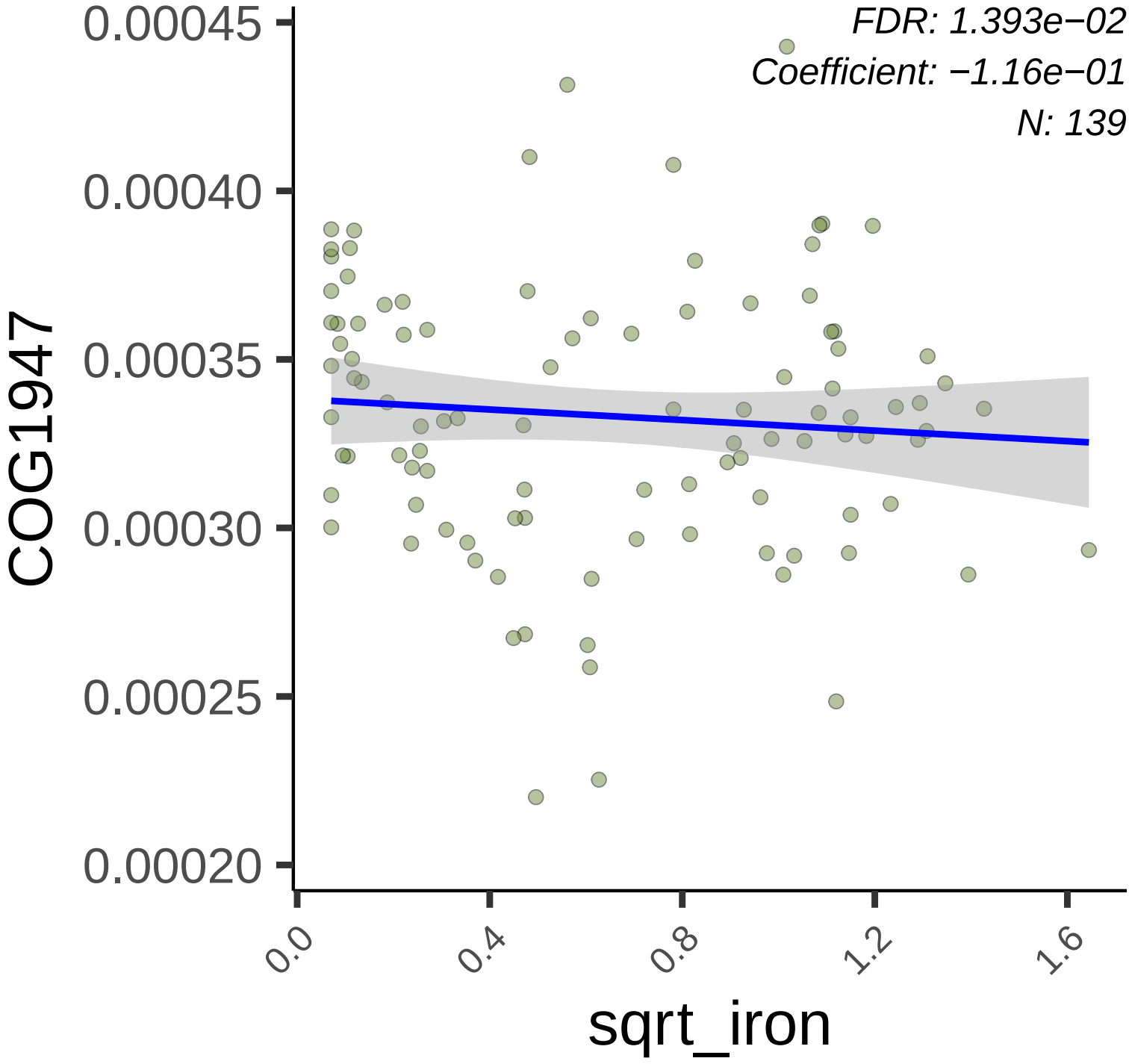
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.393e−02
Coefficient: −1.16e−01
N: 139
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COG1947
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0.4
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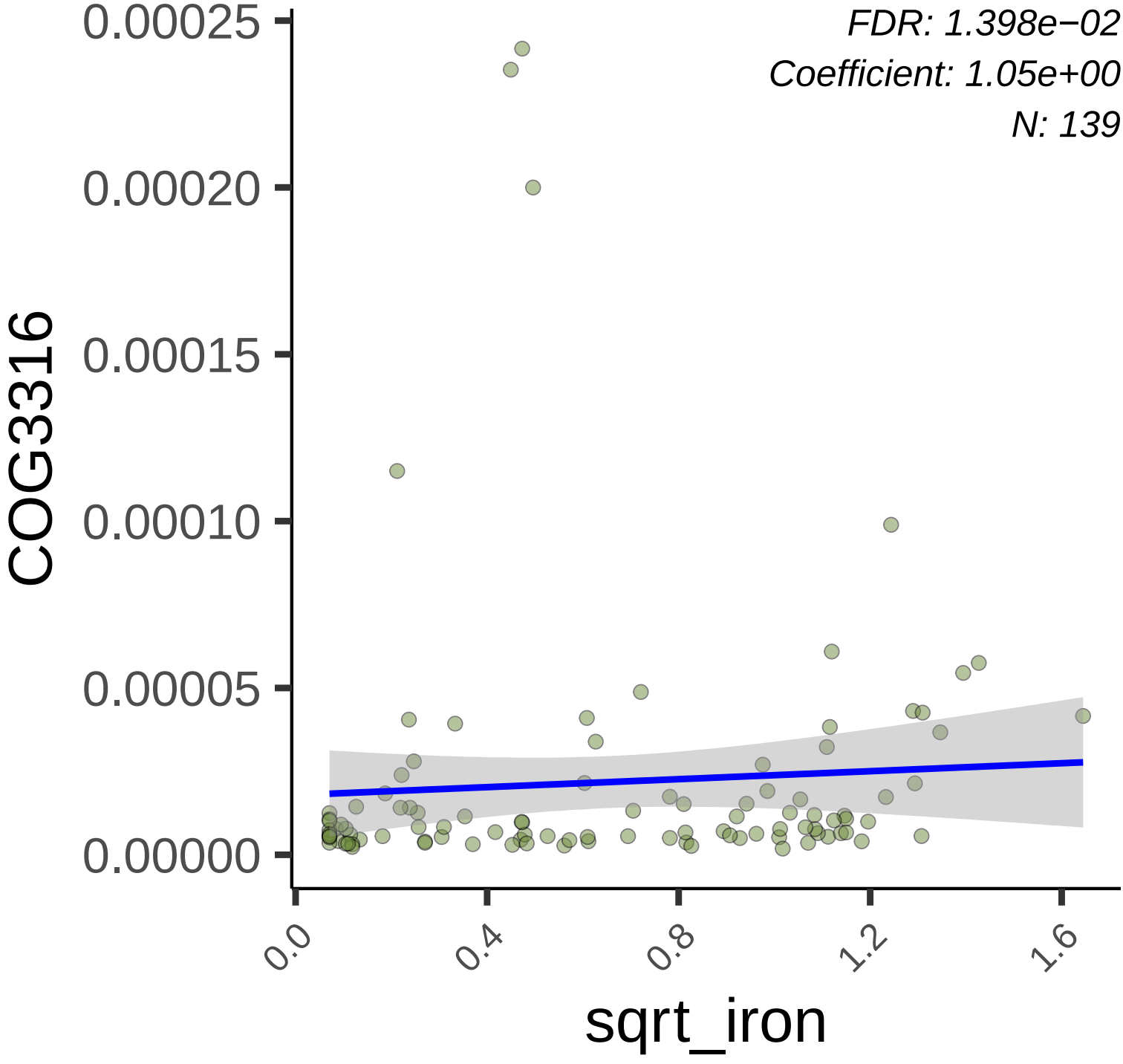
1.2
1.6
sqrt_iron


FDR: 1.398e−02
Coefficient: 1.05e+00
N: 139
COG3316
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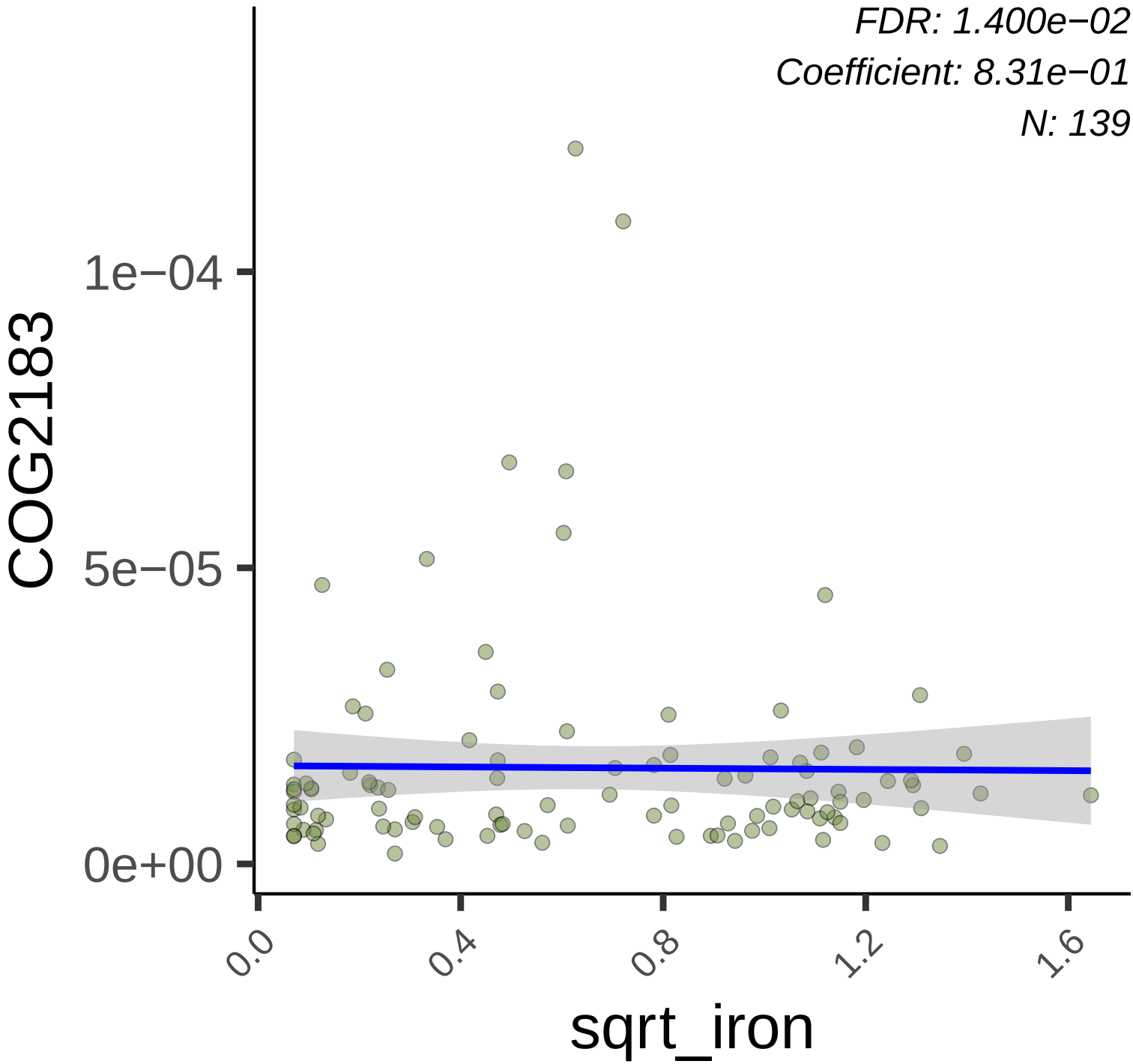
1.2
1.6
sqrt_iron


FDR: 1.400e−02
Coefficient: 8.31e−01
N: 139
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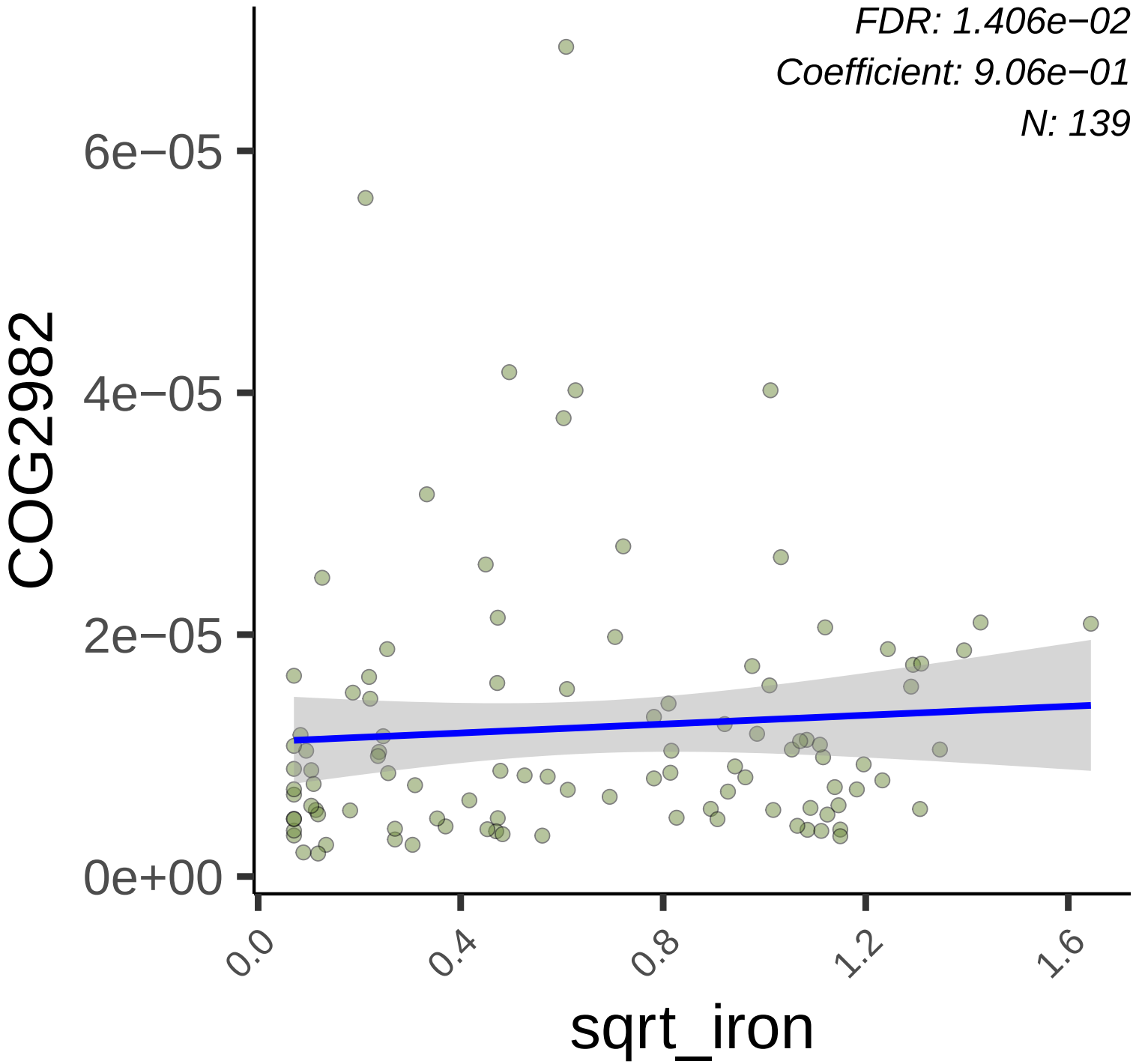
sqrt_iron


FDR: 1.406e−02
Coefficient: 9.06e−01
N: 139
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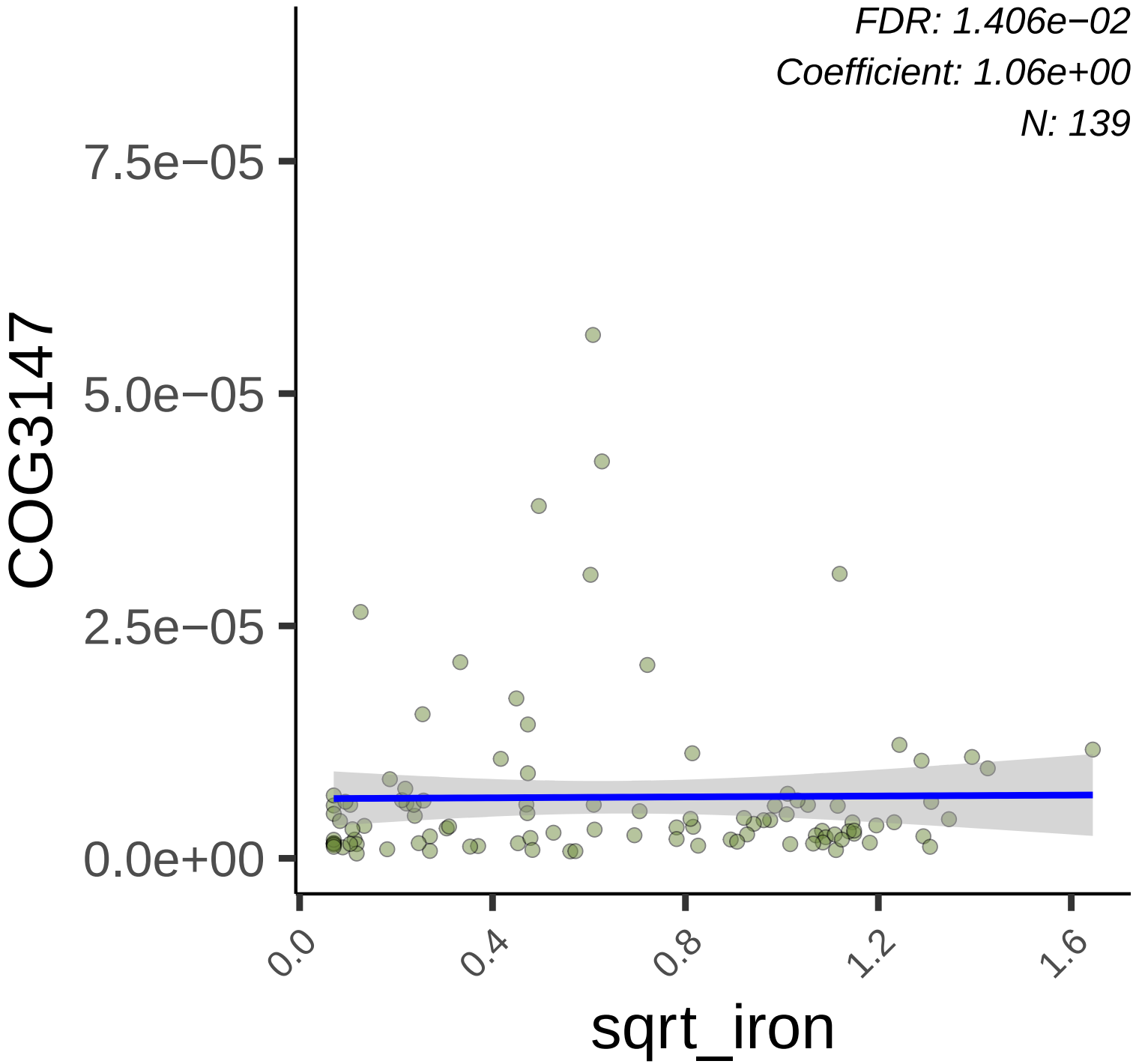
0.8
1.2
1.6
sqrt_iron


FDR: 1.406e−02
Coefficient: 1.06e+00
N: 139
COG3147
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2.5e−05
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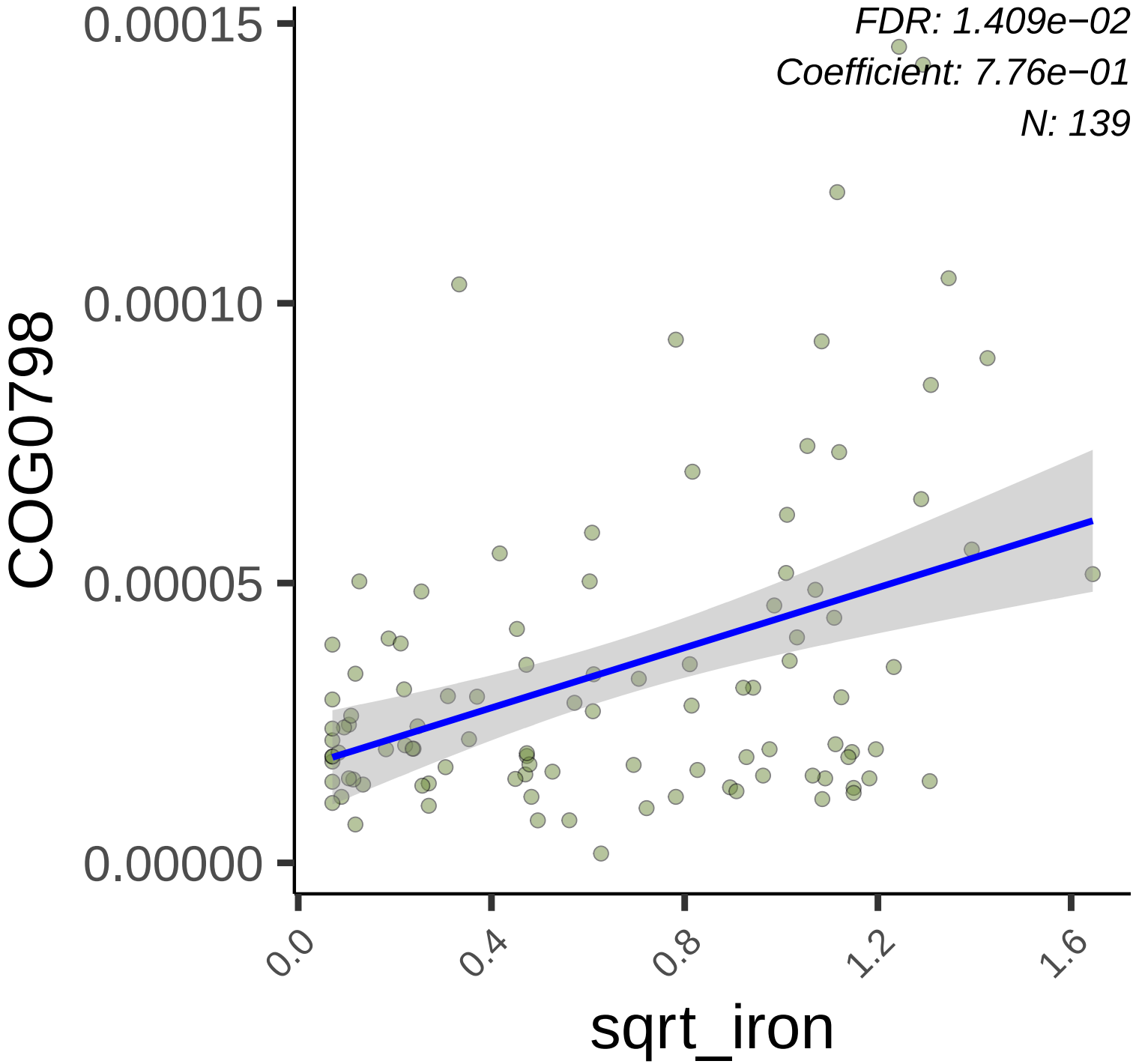
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.409e−02
Coefficient: 7.76e−01
N: 139
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COG0798
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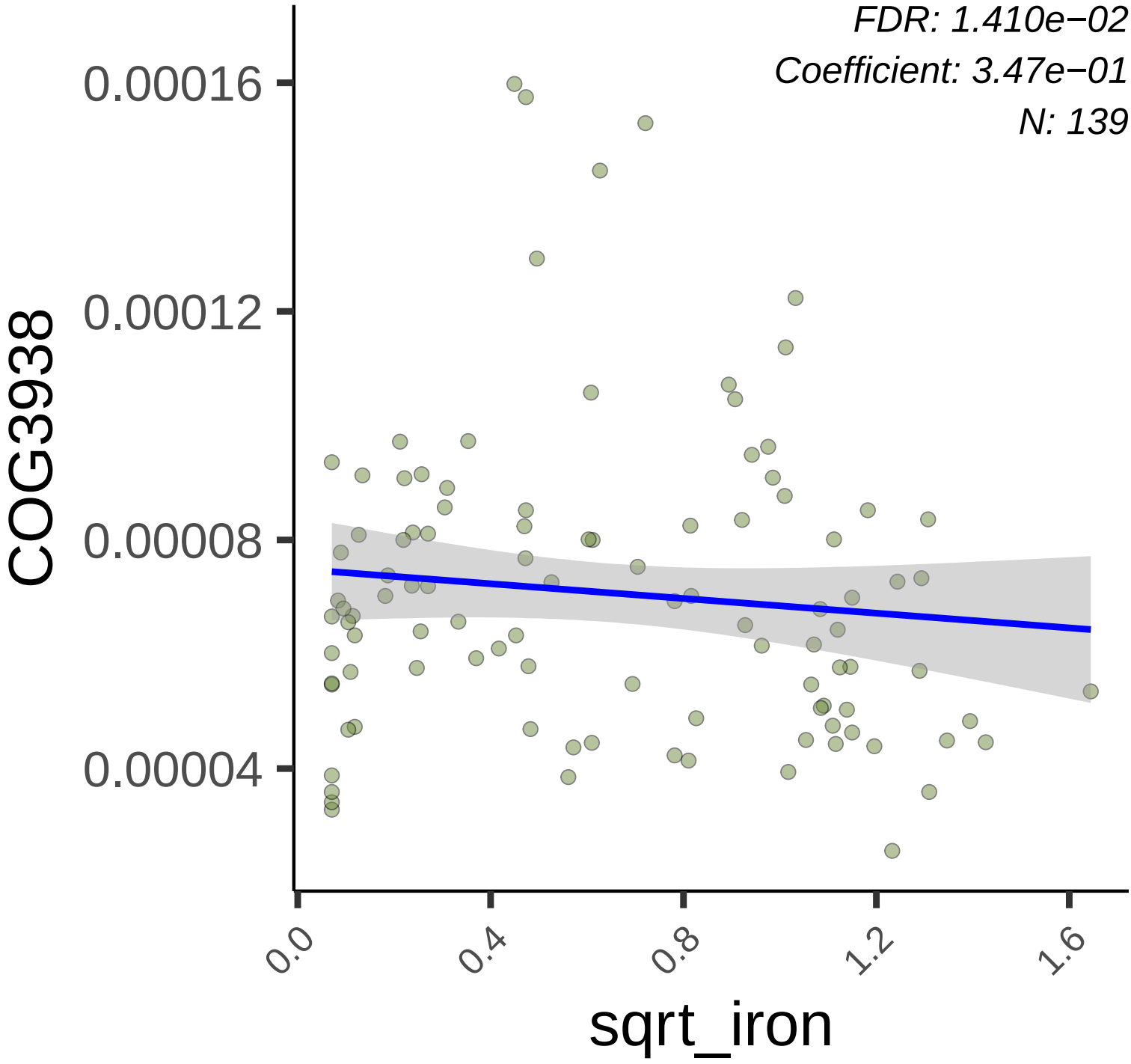
1.2
1.6
sqrt_iron


FDR: 1.410e−02
Coefficient: 3.47e−01
N: 139
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COG3938
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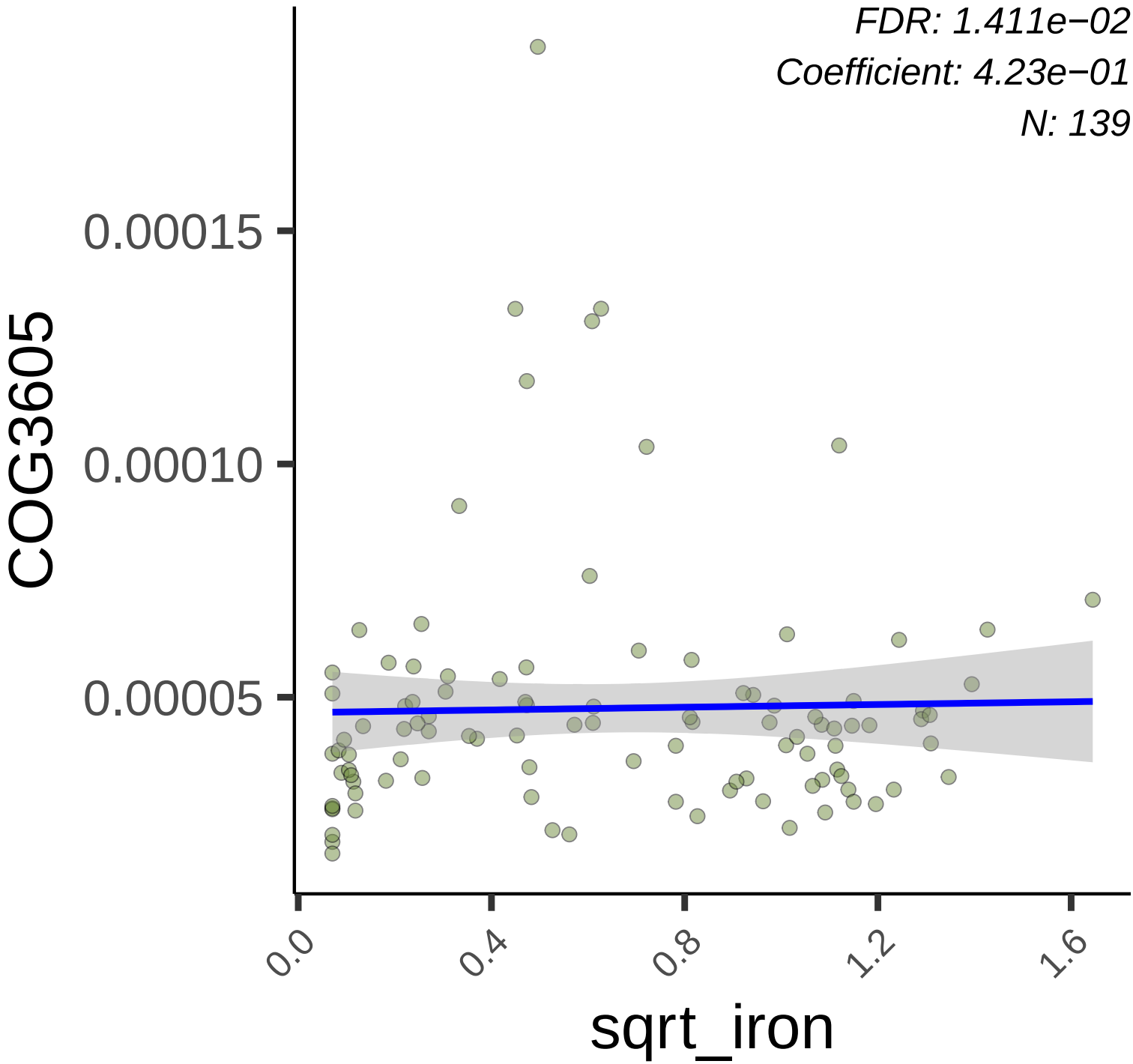
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.411e−02
Coefficient: 4.23e−01
N: 139
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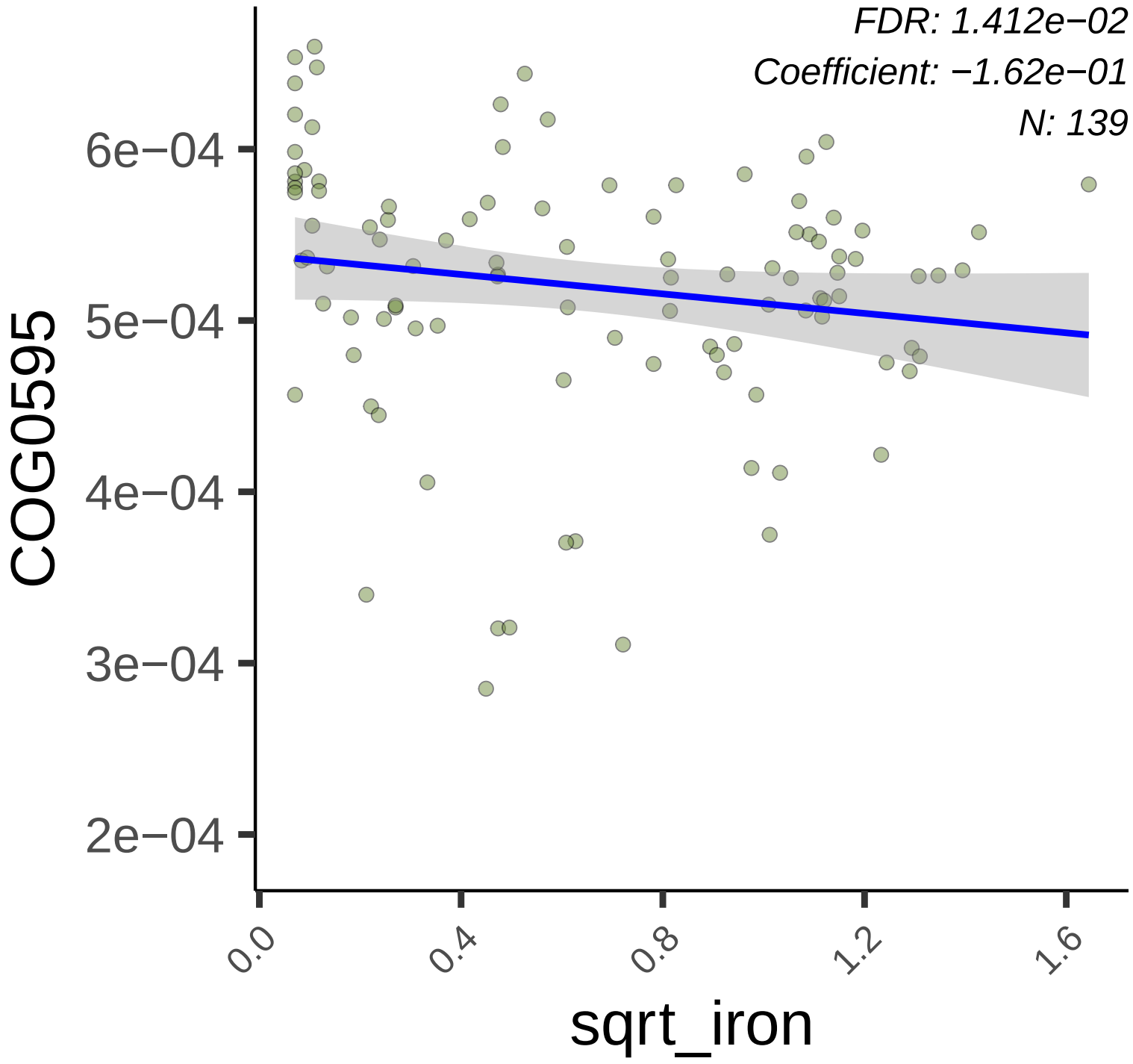
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.412e−02
Coefficient: −1.62e−01
N: 139
COG0595
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4e−04
3e−04
2e−04
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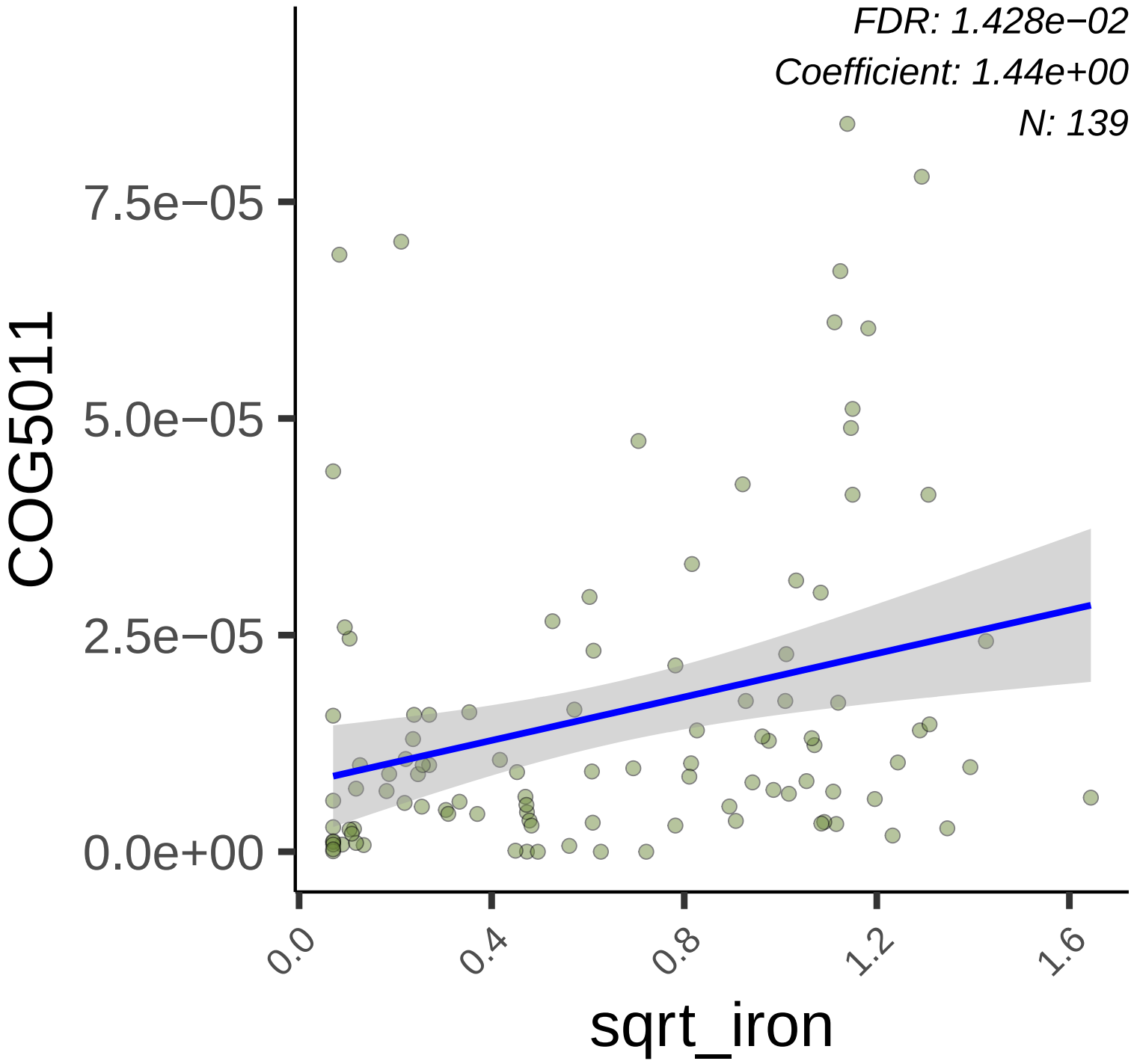
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.428e−02
Coefficient: 1.44e+00
N: 139
COG5011
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2.5e−05
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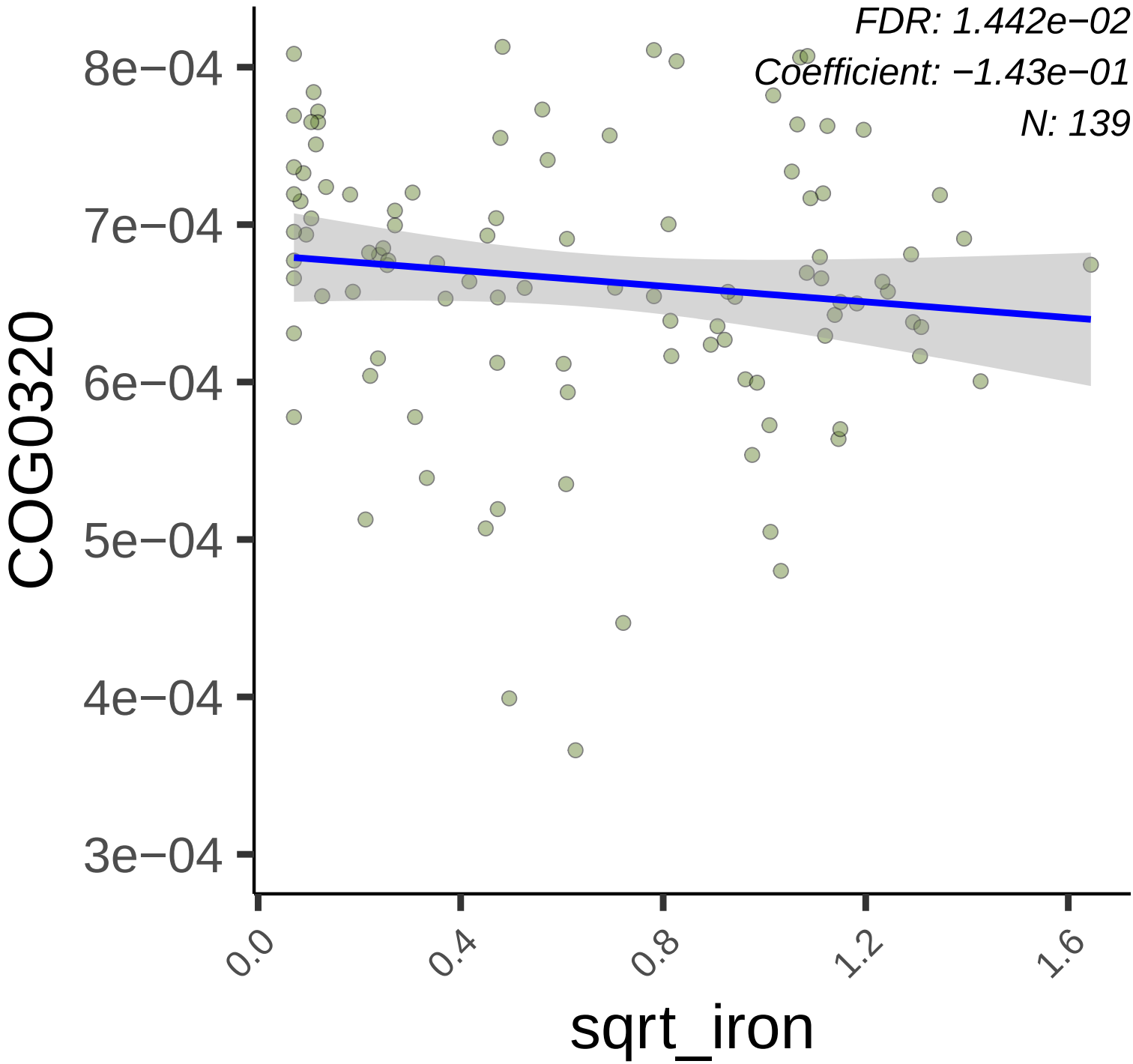
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.442e−02
Coefficient: −1.43e−01
N: 139
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7e−04
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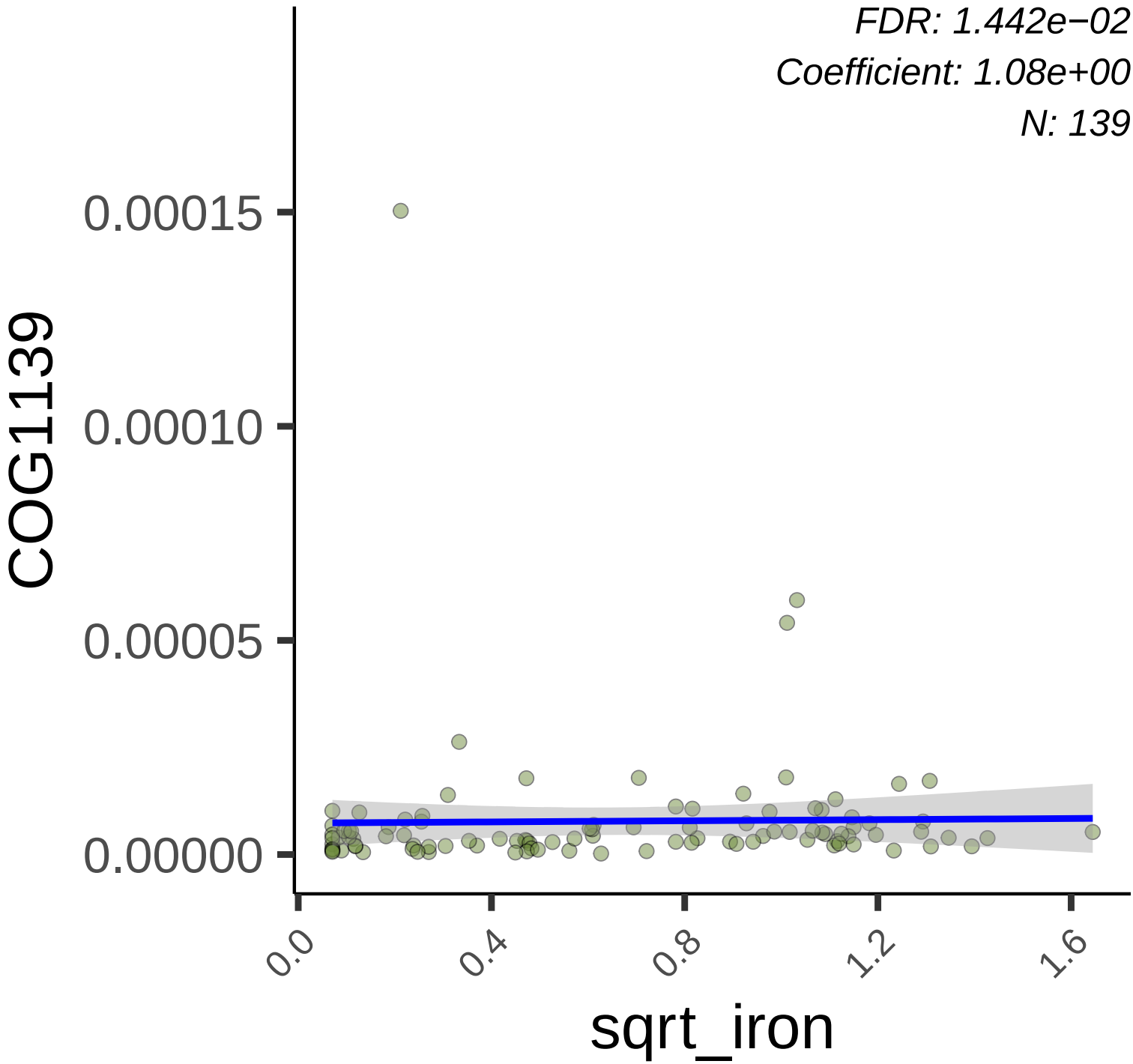
5e−04
4e−04
3e−04
COG0320
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.442e−02
Coefficient: 1.08e+00
N: 139
COG1139
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0.4
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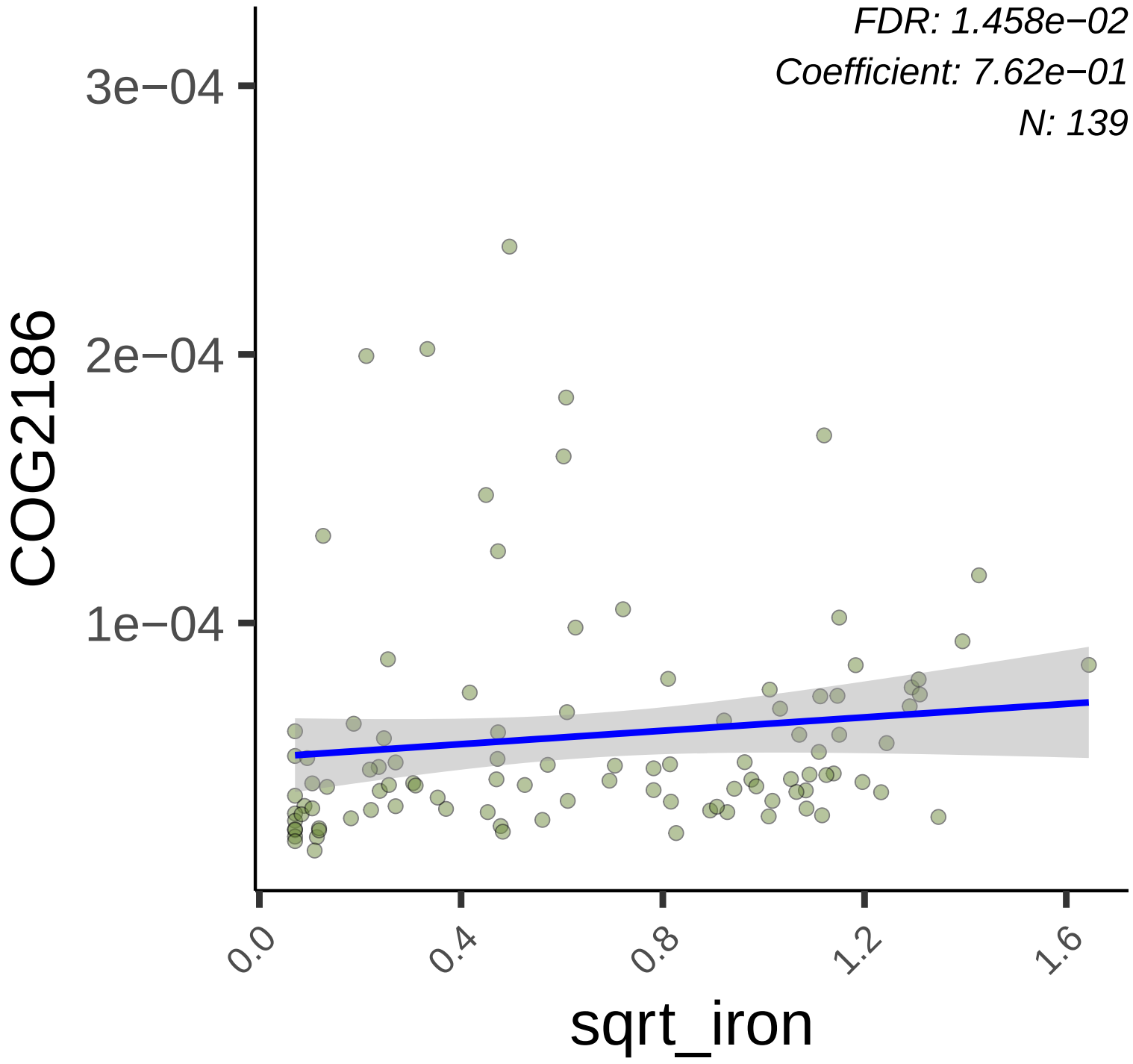
1.6
sqrt_iron


FDR: 1.458e−02
Coefficient: 7.62e−01
N: 139
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COG2186
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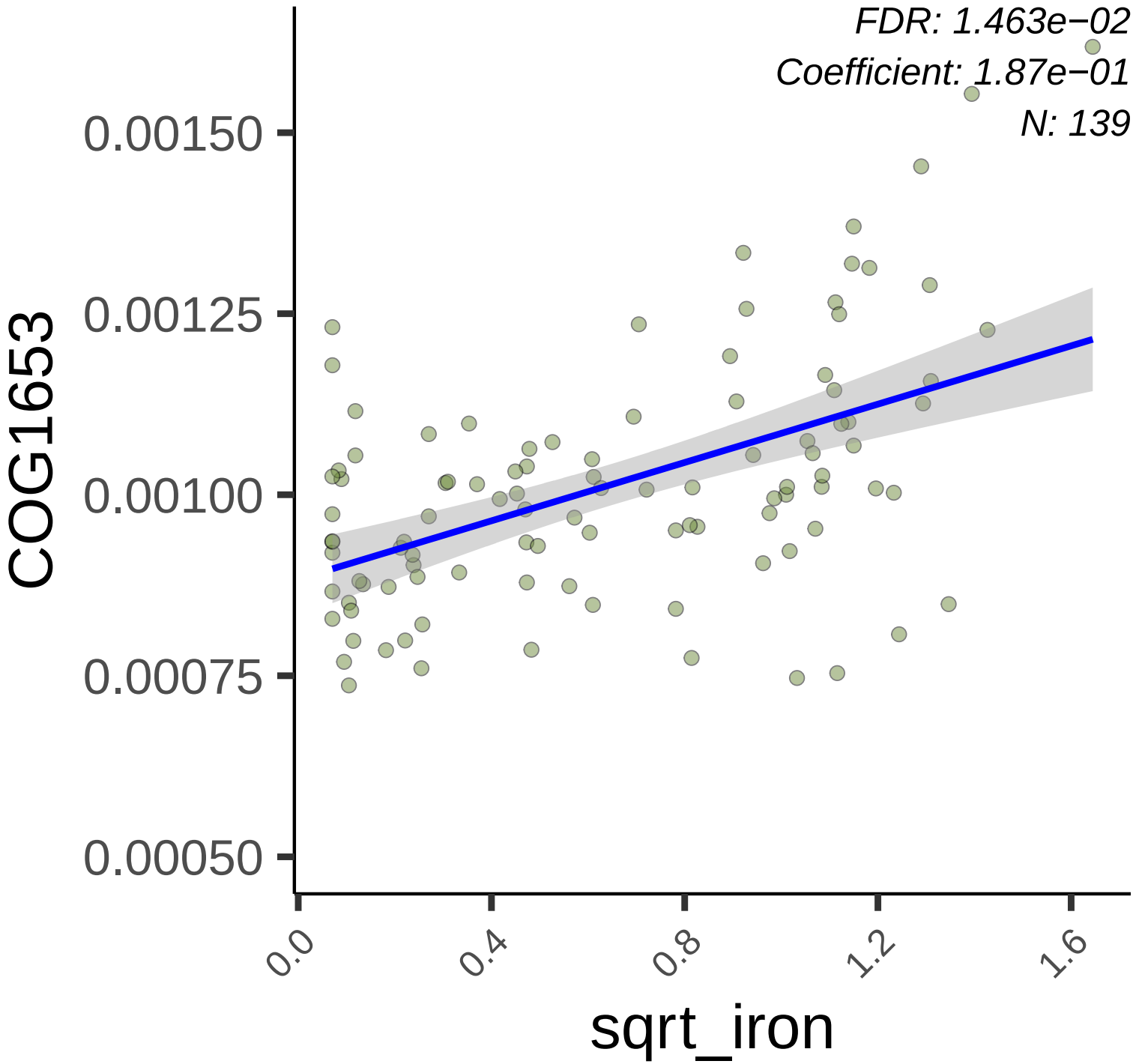
sqrt_iron


FDR: 1.463e−02
Coefficient: 1.87e−01
N: 139
COG1653
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0.00100
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0.00050
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0.4
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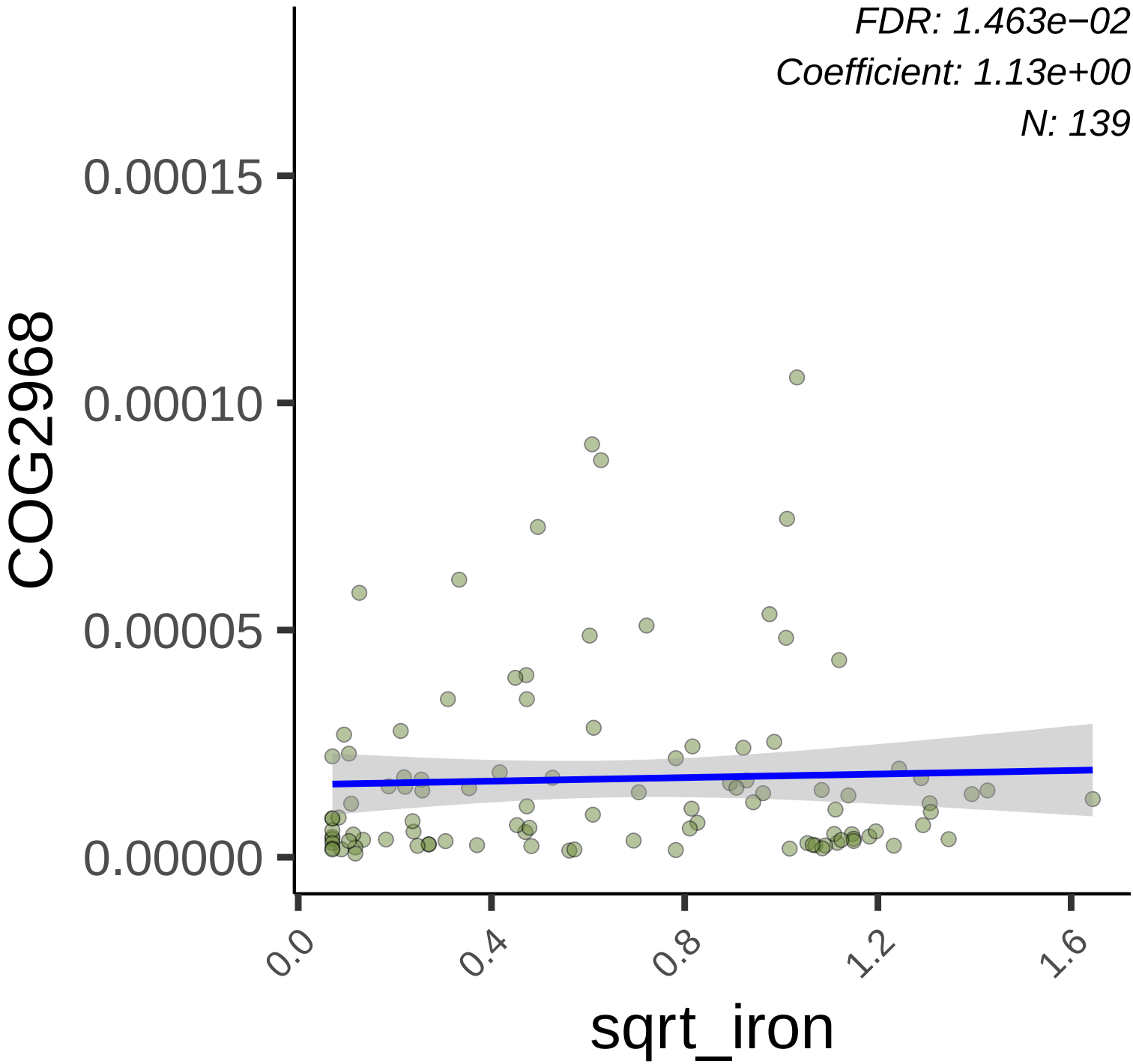
1.6
sqrt_iron


FDR: 1.463e−02
Coefficient: 1.13e+00
N: 139
COG2968
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0.4
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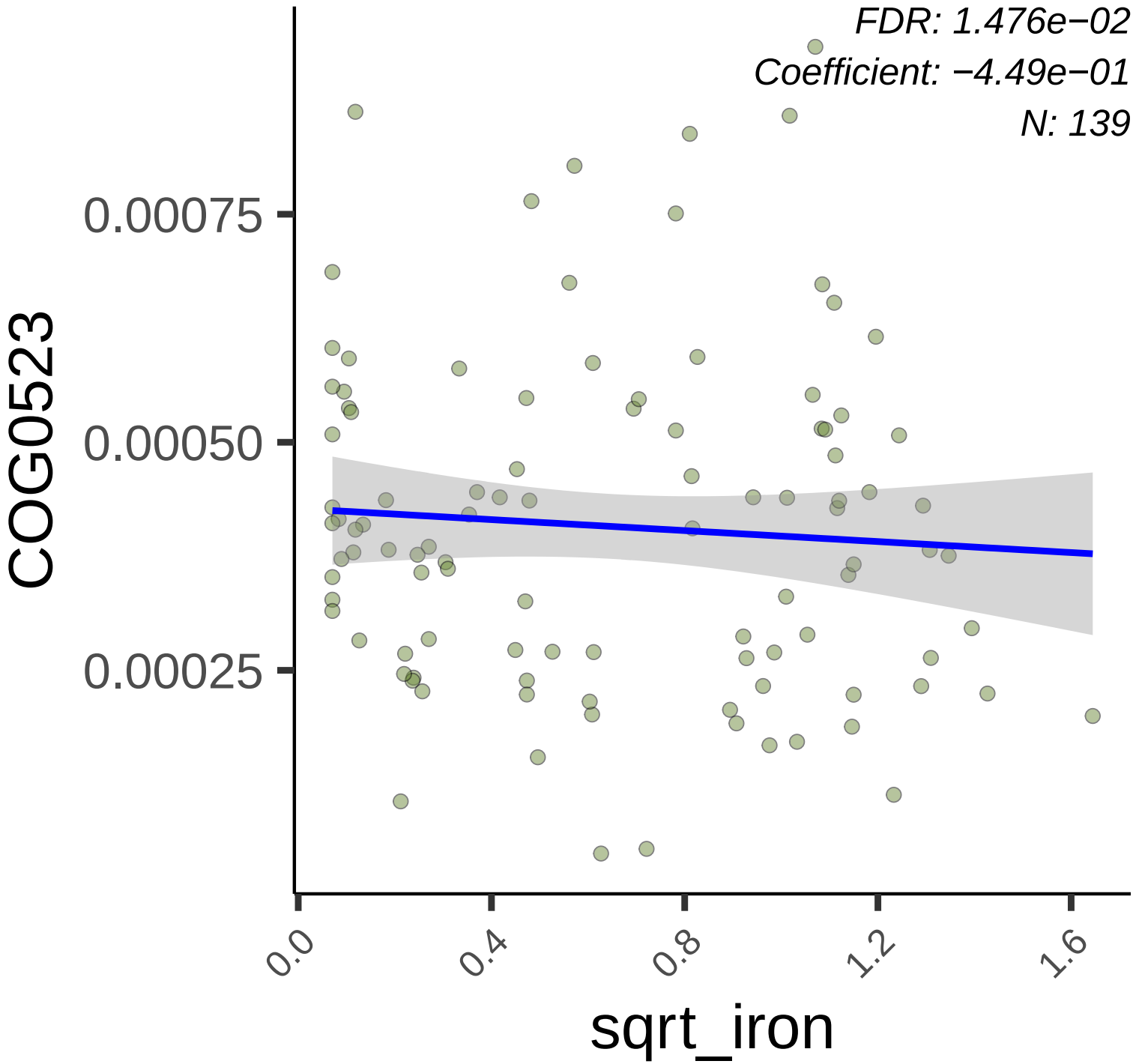
1.6
sqrt_iron


FDR: 1.476e−02
Coefficient: −4.49e−01
N: 139
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0.00050
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COG0523
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0.4
0.8
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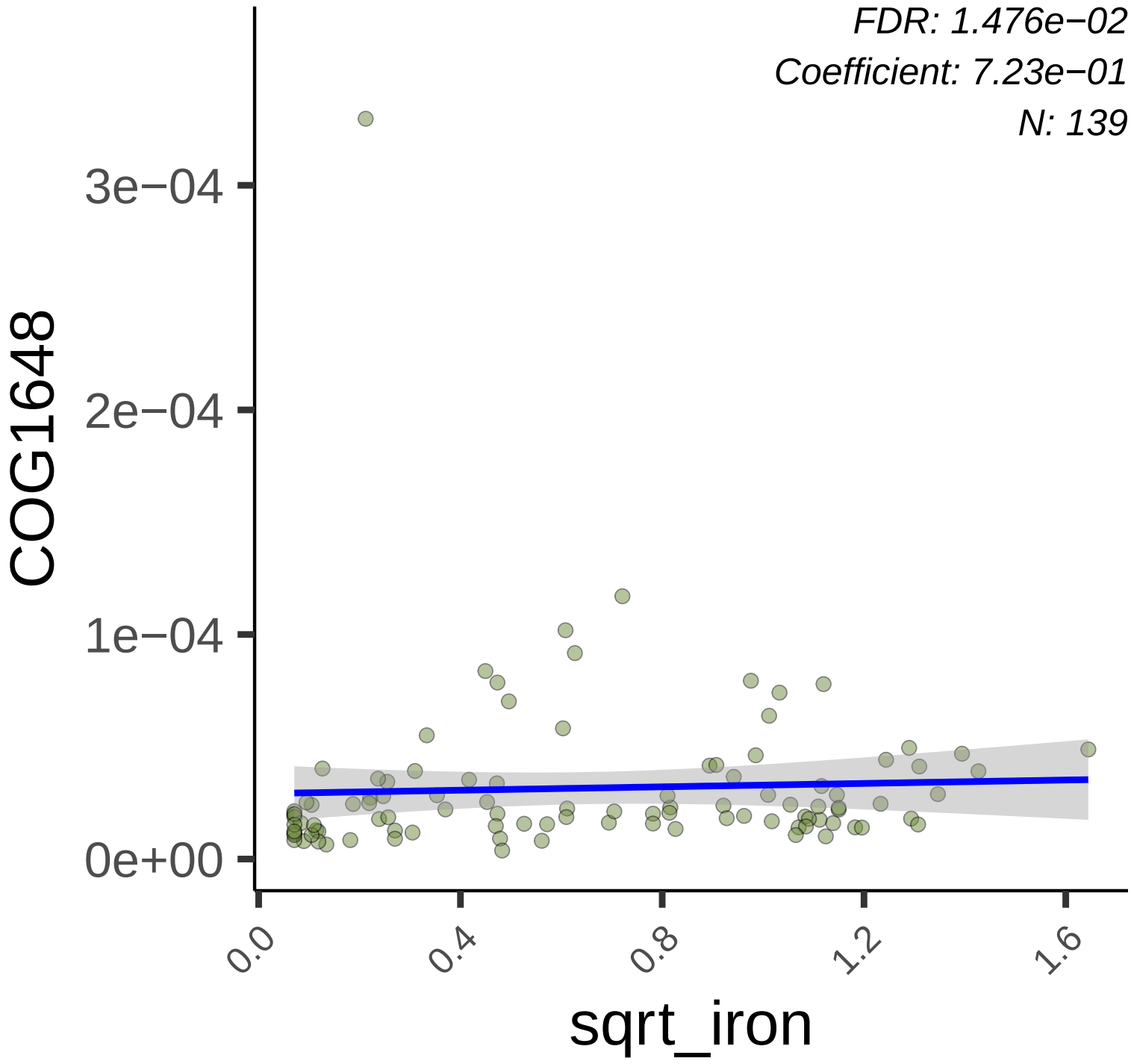
1.6
sqrt_iron


FDR: 1.476e−02
Coefficient: 7.23e−01
N: 139
COG1648
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1e−04
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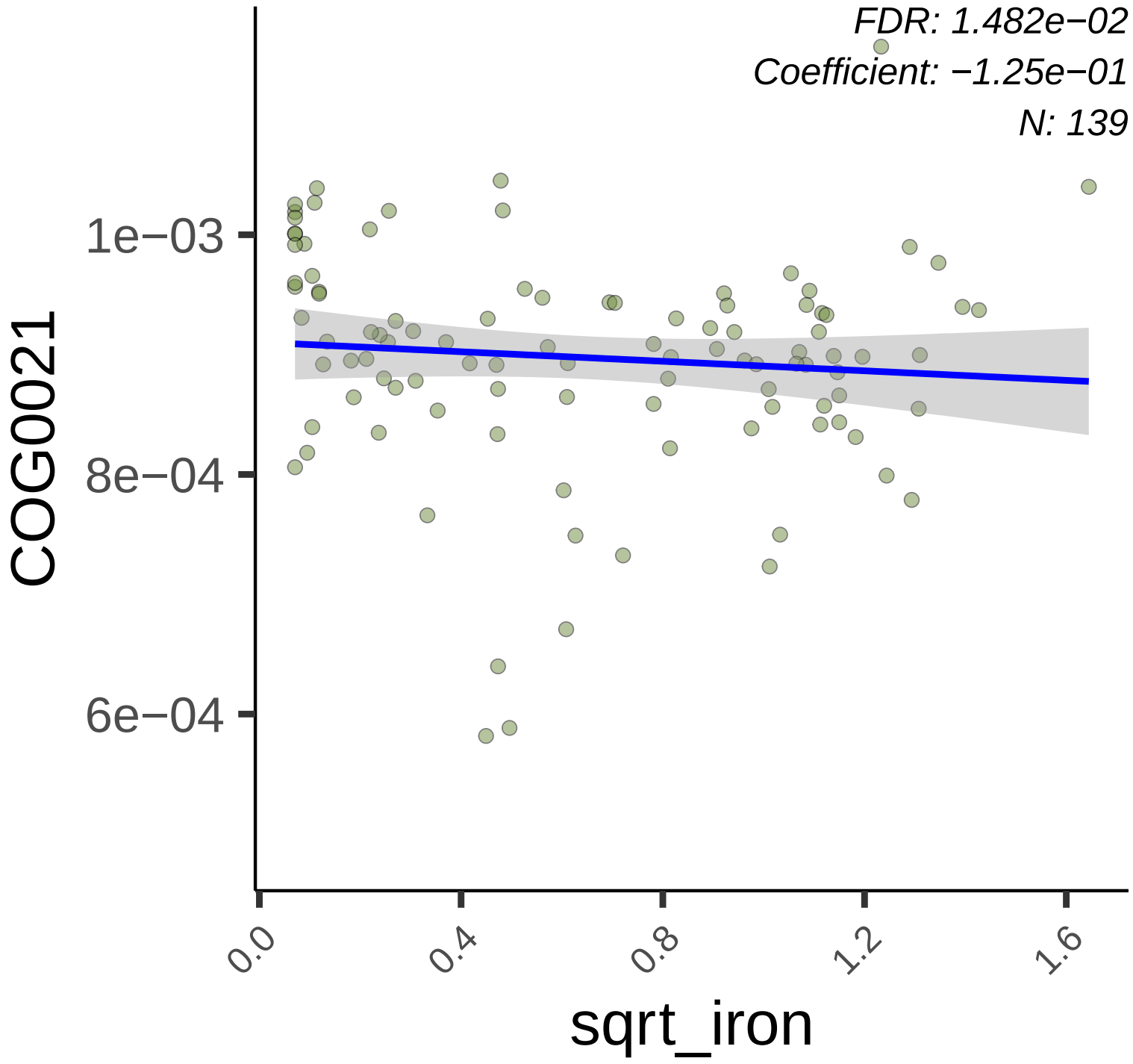
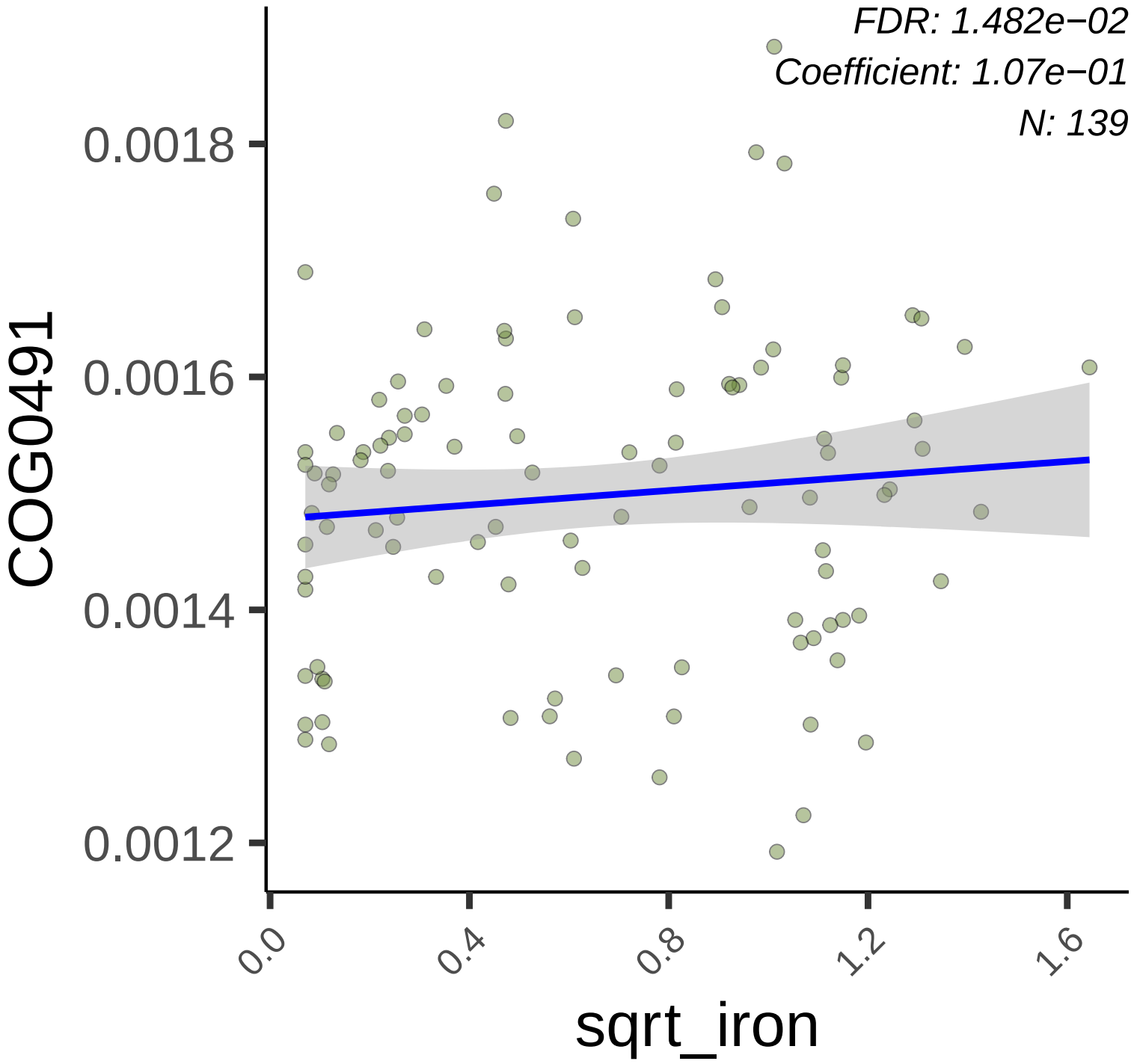
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.482e−02
Coefficient: −1.25e−01
N: 139
COG0021
1e−03
8e−04
6e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.482e−02
Coefficient: 1.07e−01
N: 139
COG0491
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0.0014
0.0012
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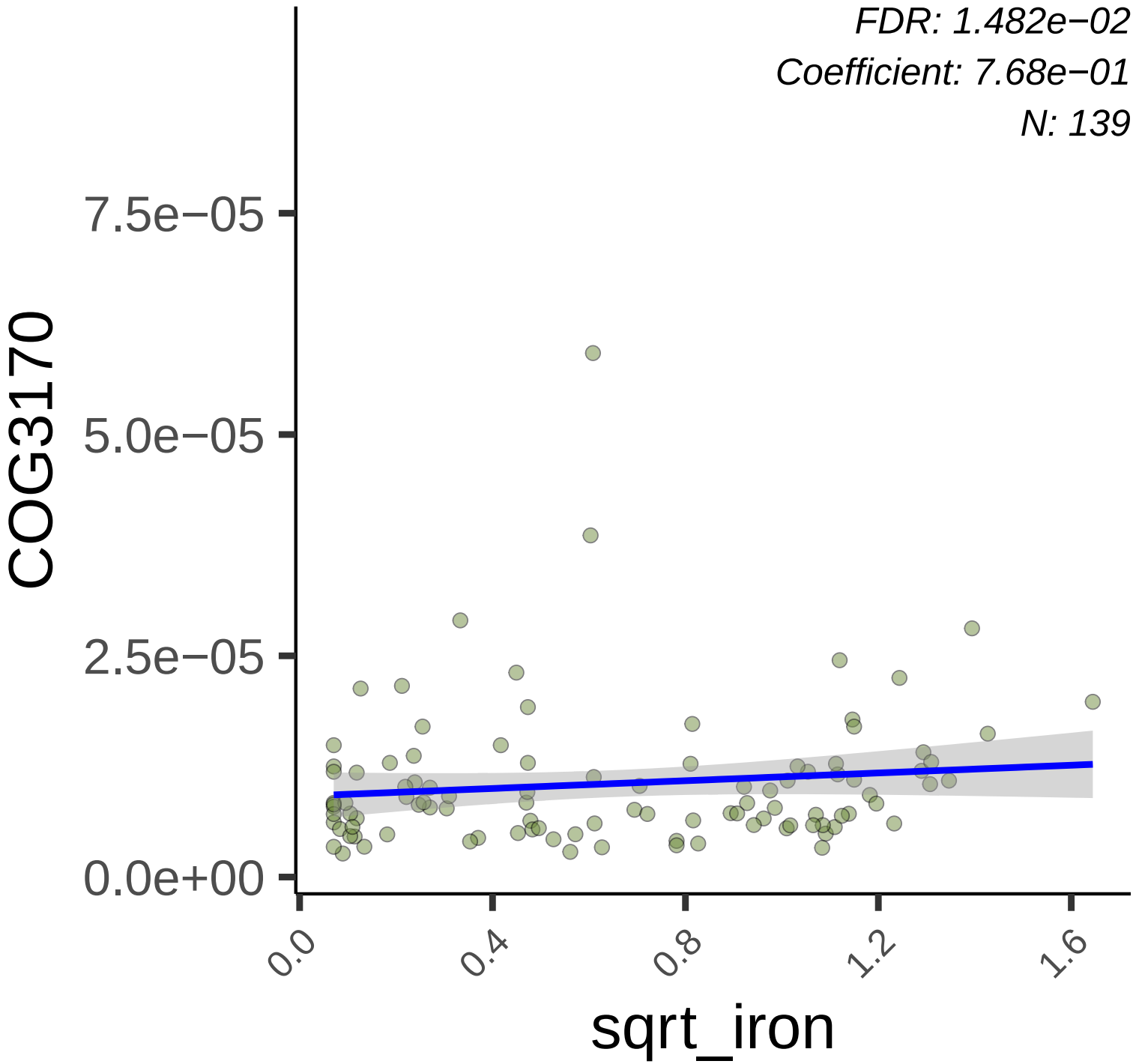
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.482e−02
Coefficient: 7.68e−01
N: 139
COG3170
7.5e−05
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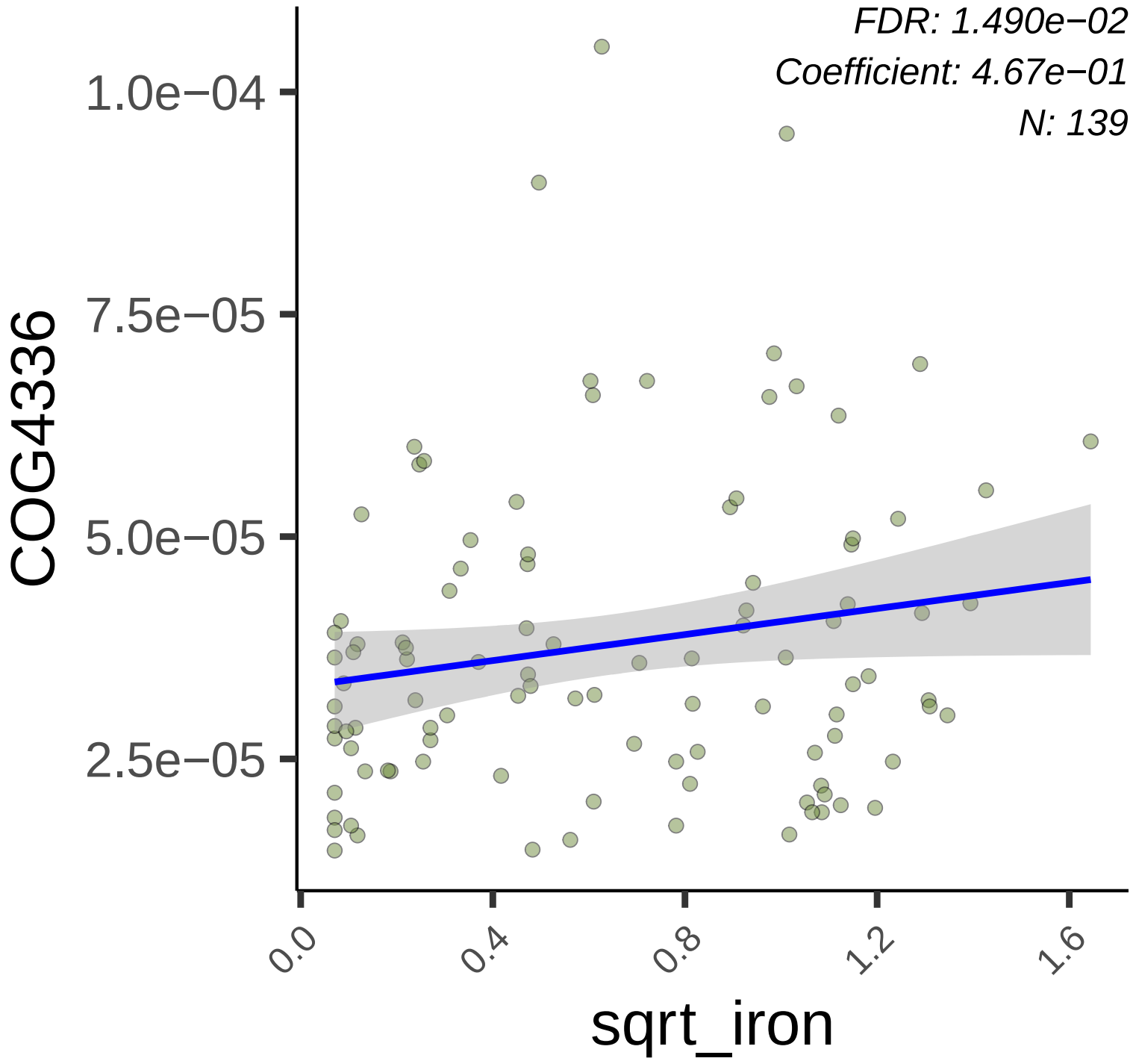
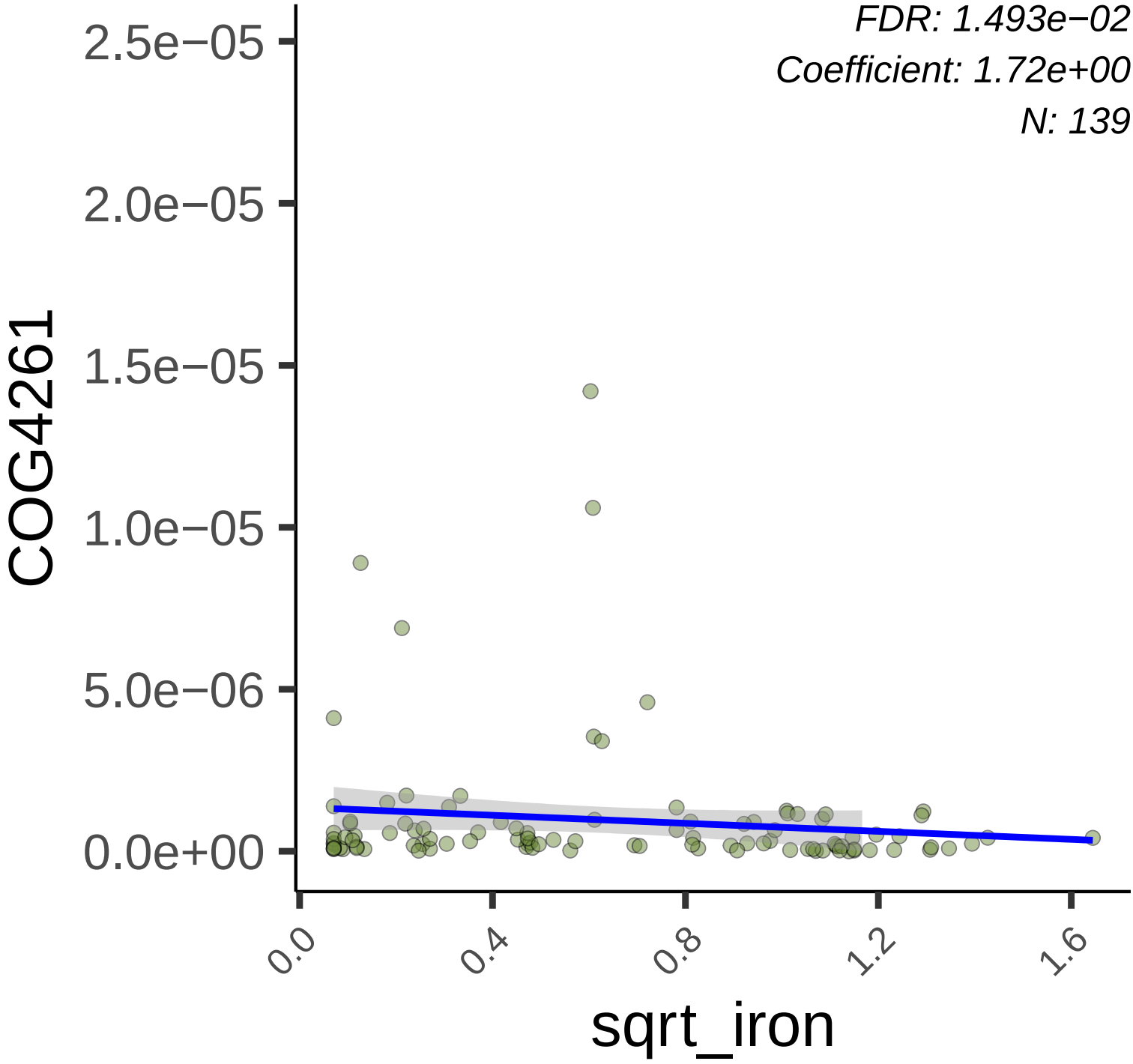
2.5e−05
0.0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.490e−02
Coefficient: 4.67e−01
N: 139
1.0e−04
7.5e−05
5.0e−05
2.5e−05
COG4336
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.493e−02
Coefficient: 1.72e+00
N: 139
COG4261
2.5e−05
2.0e−05
1.5e−05
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5.0e−06
0.0e+00
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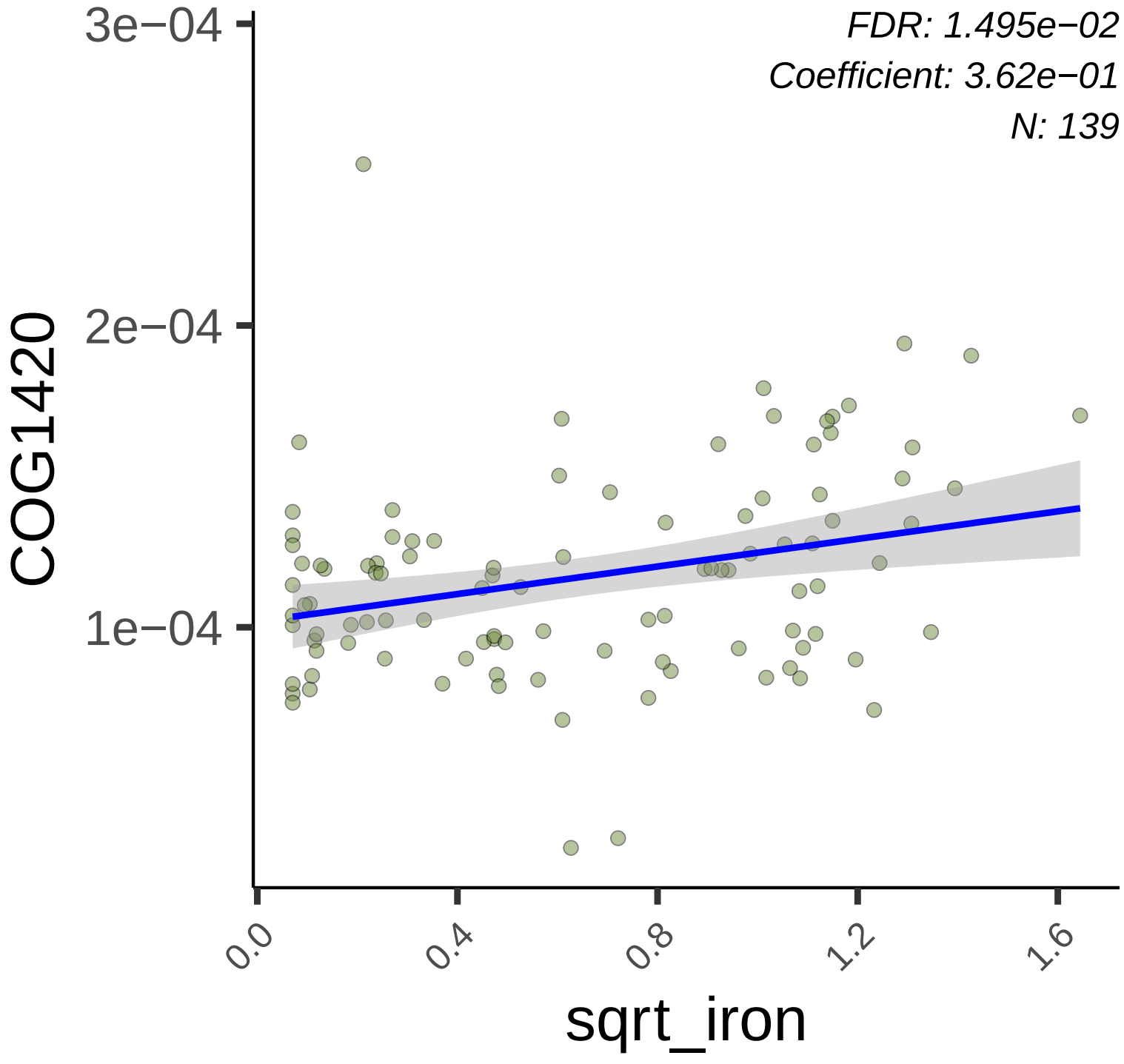
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.495e−02
Coefficient: 3.62e−01
N: 139
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2e−04
1e−04
COG1420
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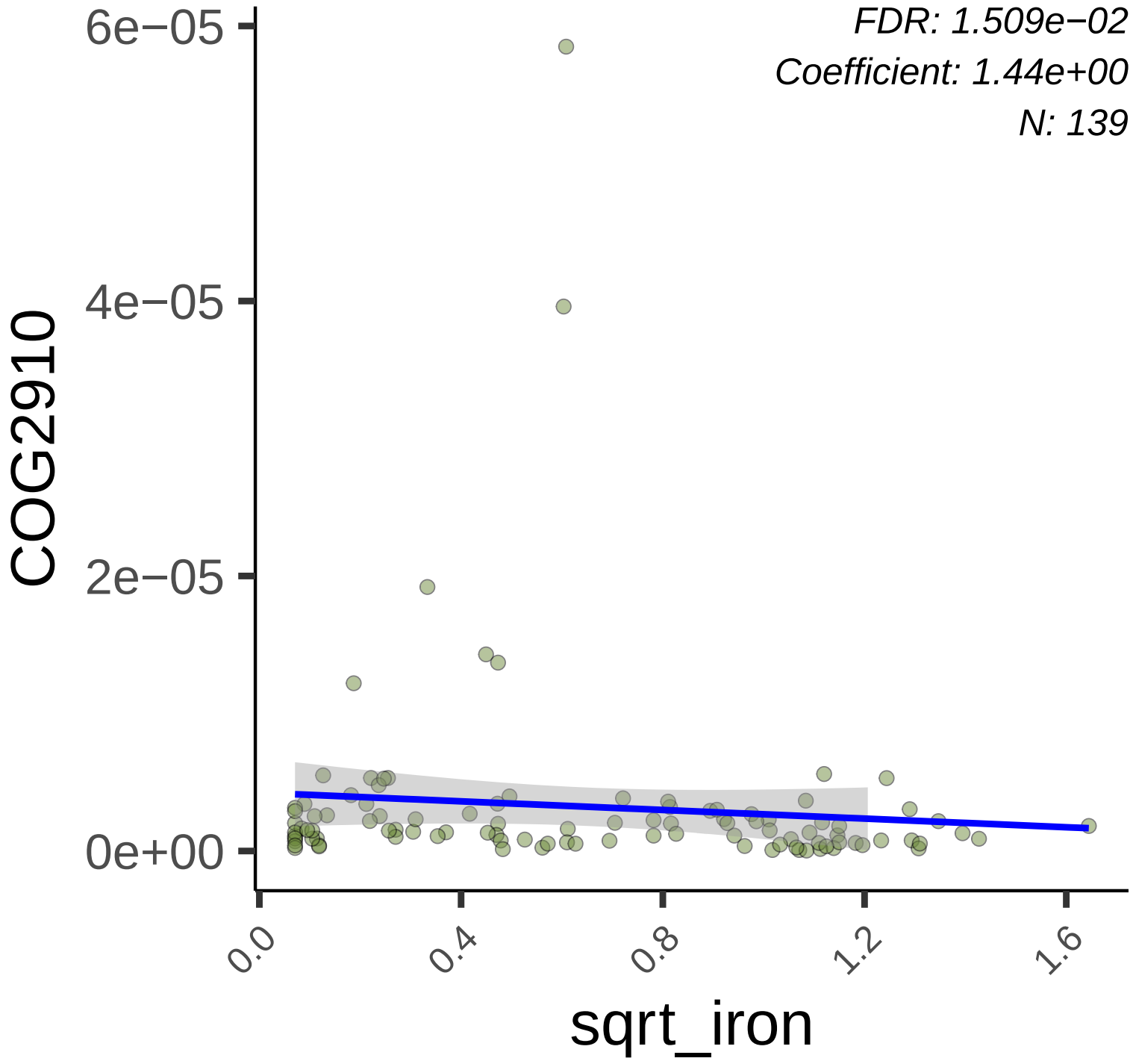
0.8
1.2
1.6
sqrt_iron


FDR: 1.509e−02
Coefficient: 1.44e+00
N: 139
COG2910
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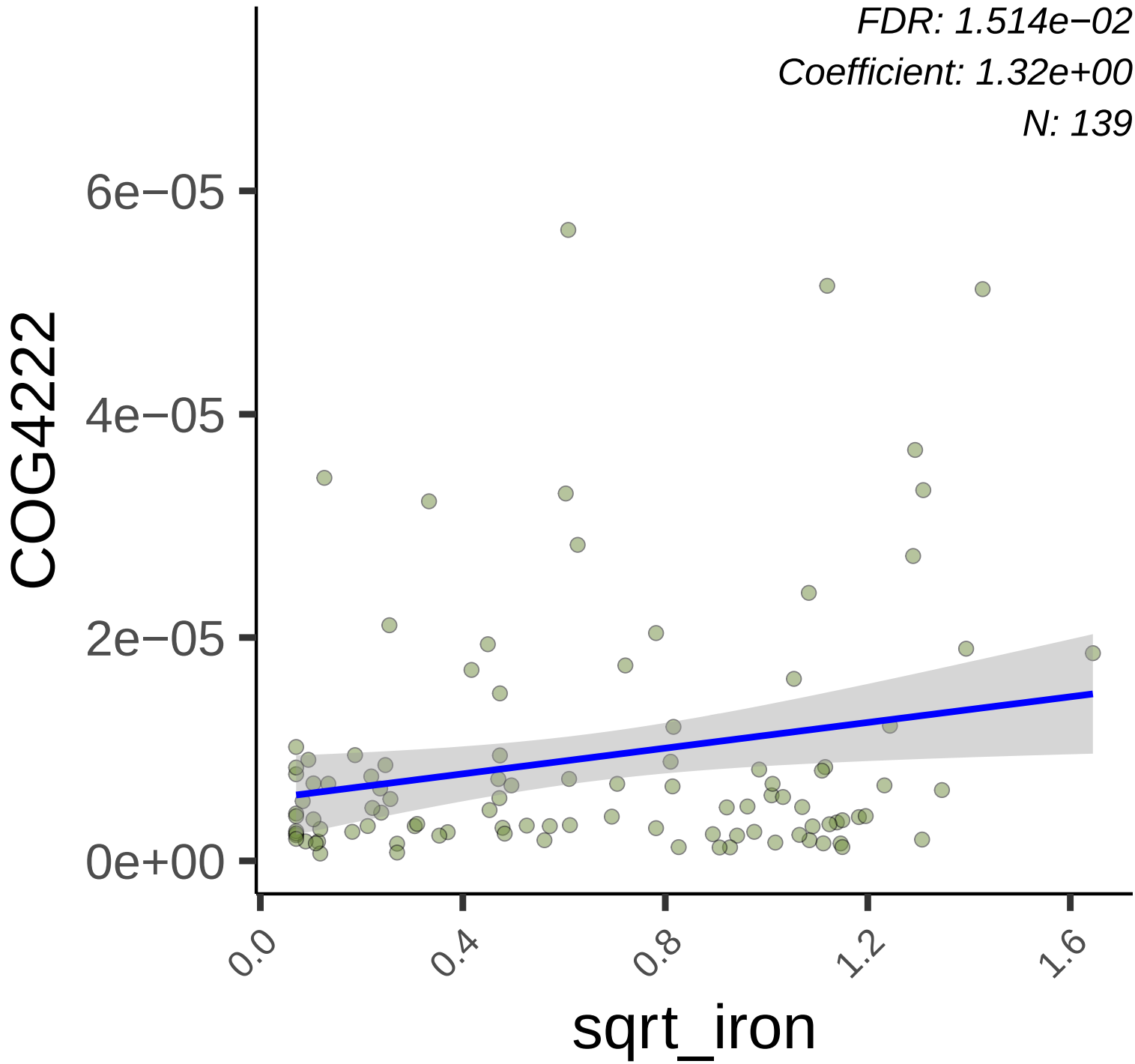
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.514e−02
Coefficient: 1.32e+00
N: 139
COG4222
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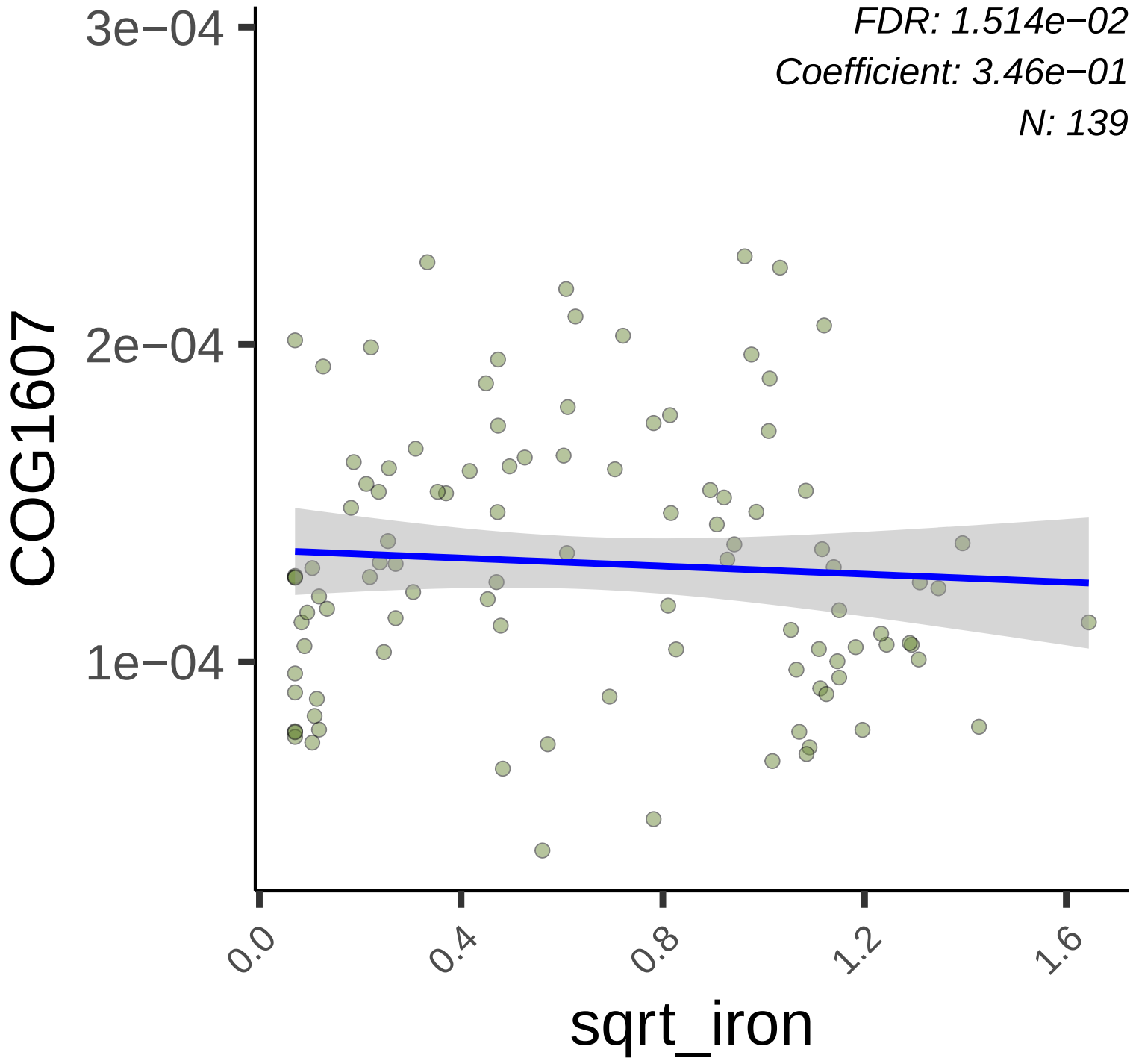
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.514e−02
Coefficient: 3.46e−01
N: 139
3e−04
2e−04
1e−04
COG1607
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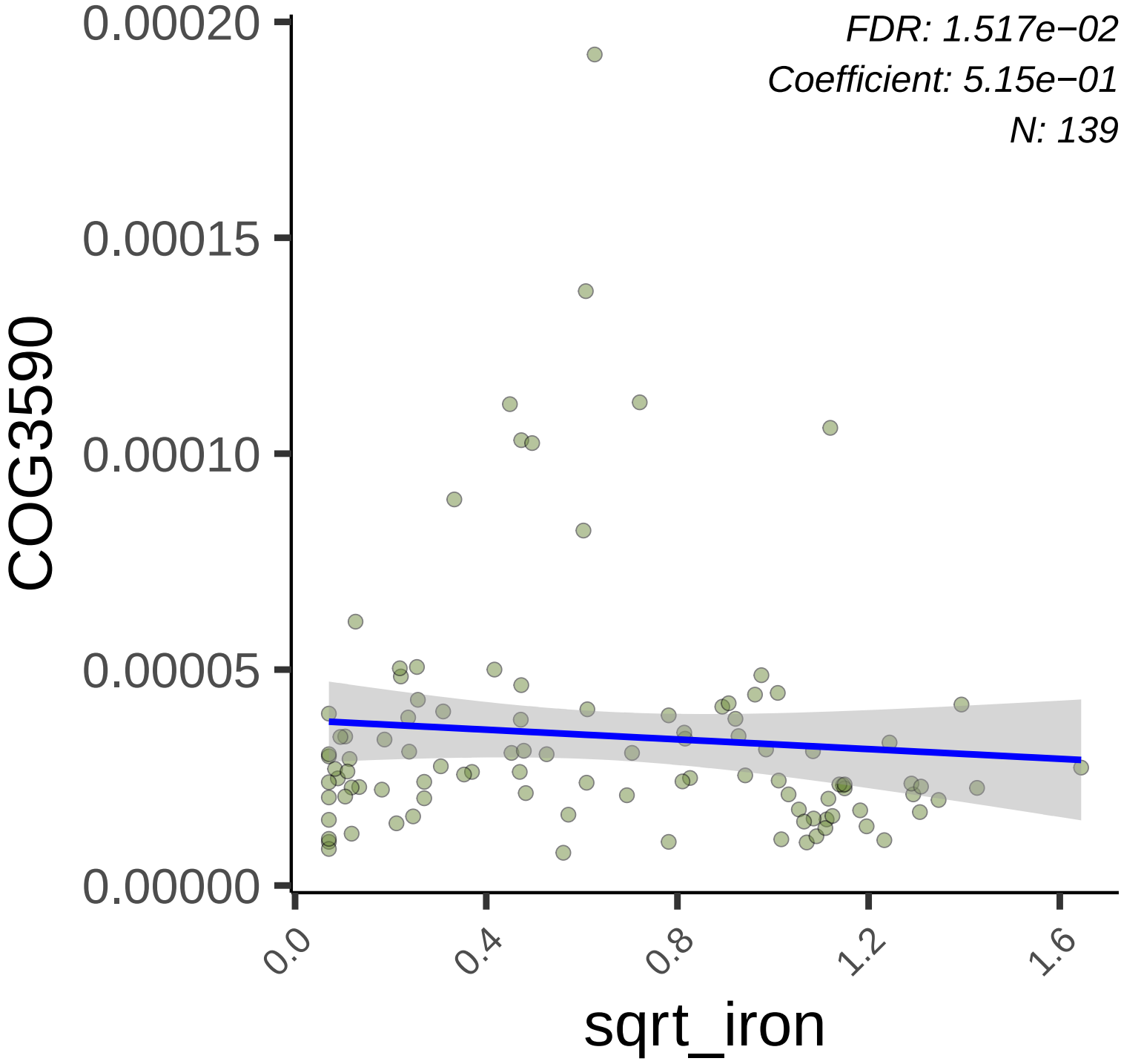
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.517e−02
Coefficient: 5.15e−01
N: 139
COG3590
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0.00010
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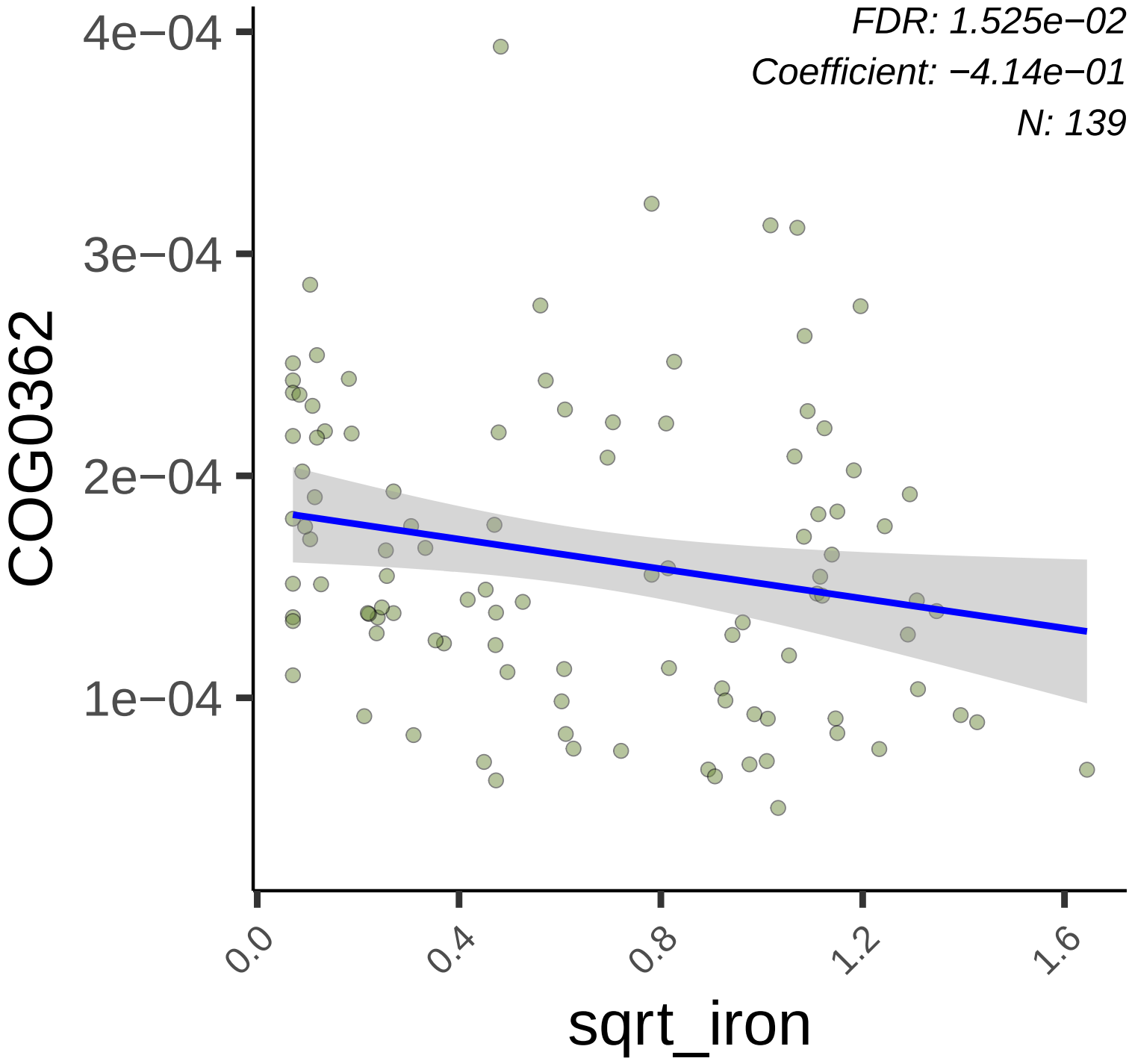
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.525e−02
Coefficient: −4.14e−01
N: 139
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3e−04
2e−04
1e−04
COG0362
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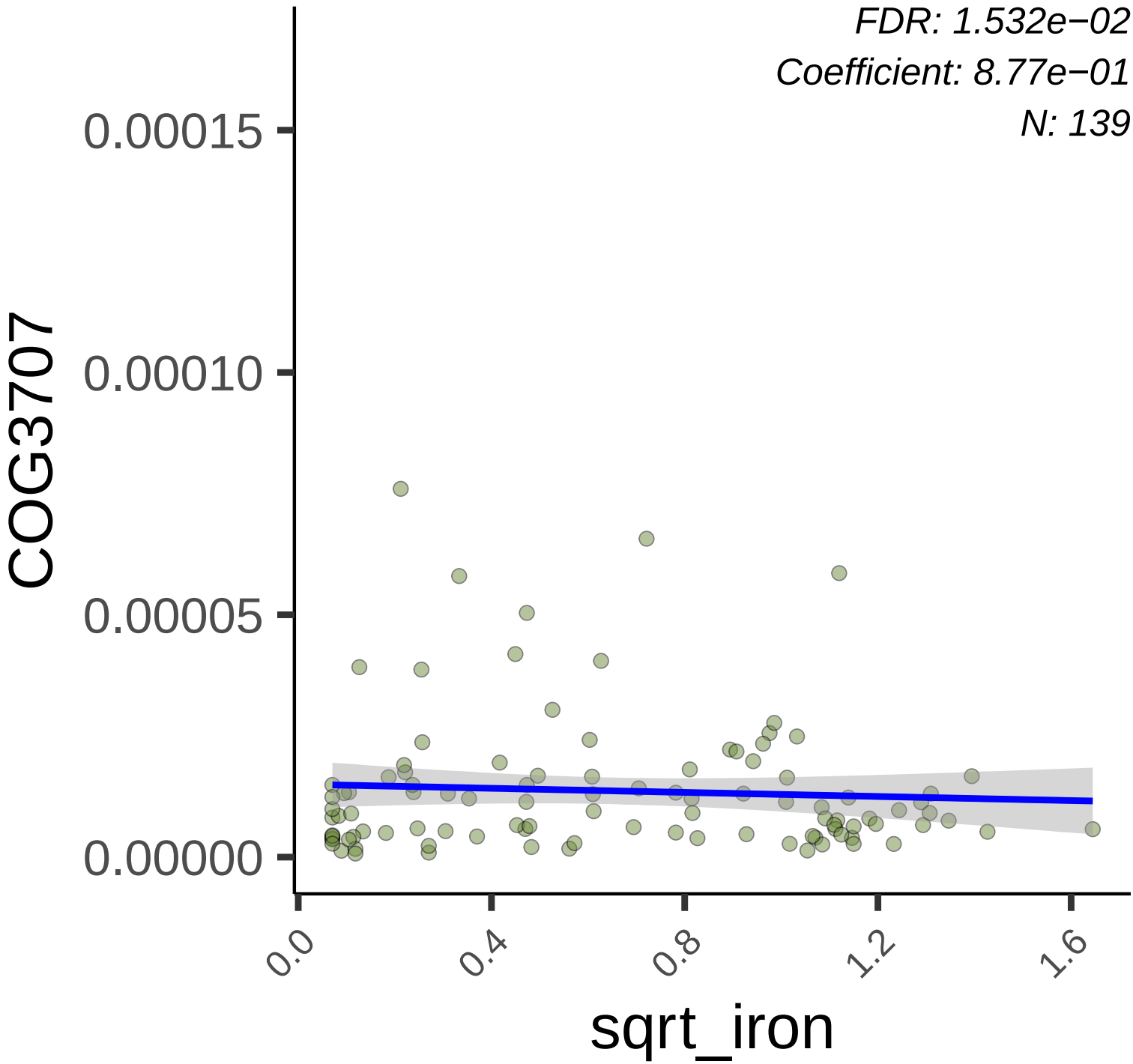
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.532e−02
Coefficient: 8.77e−01
N: 139
COG3707
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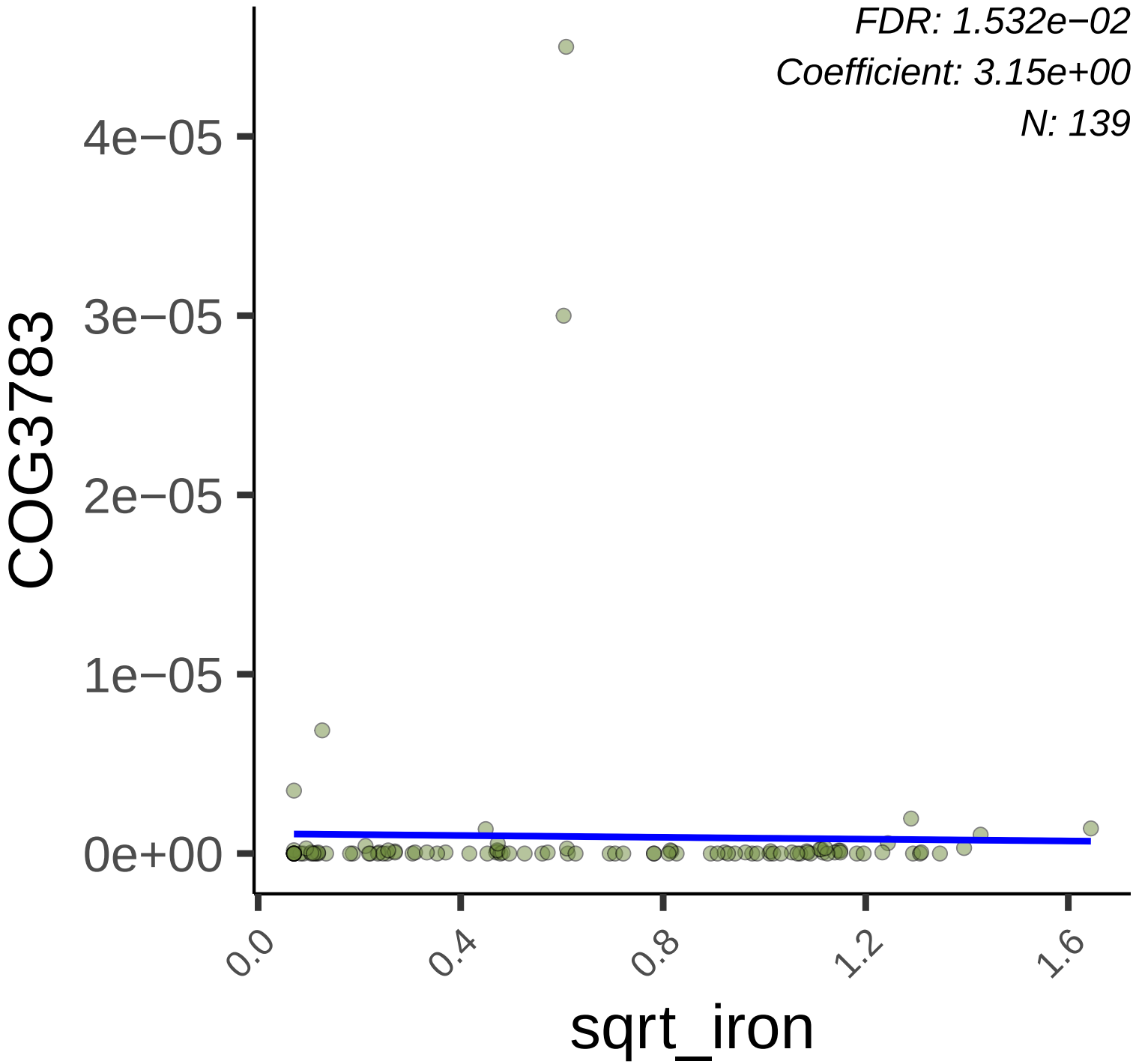
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.532e−02
Coefficient: 3.15e+00
N: 139
COG3783
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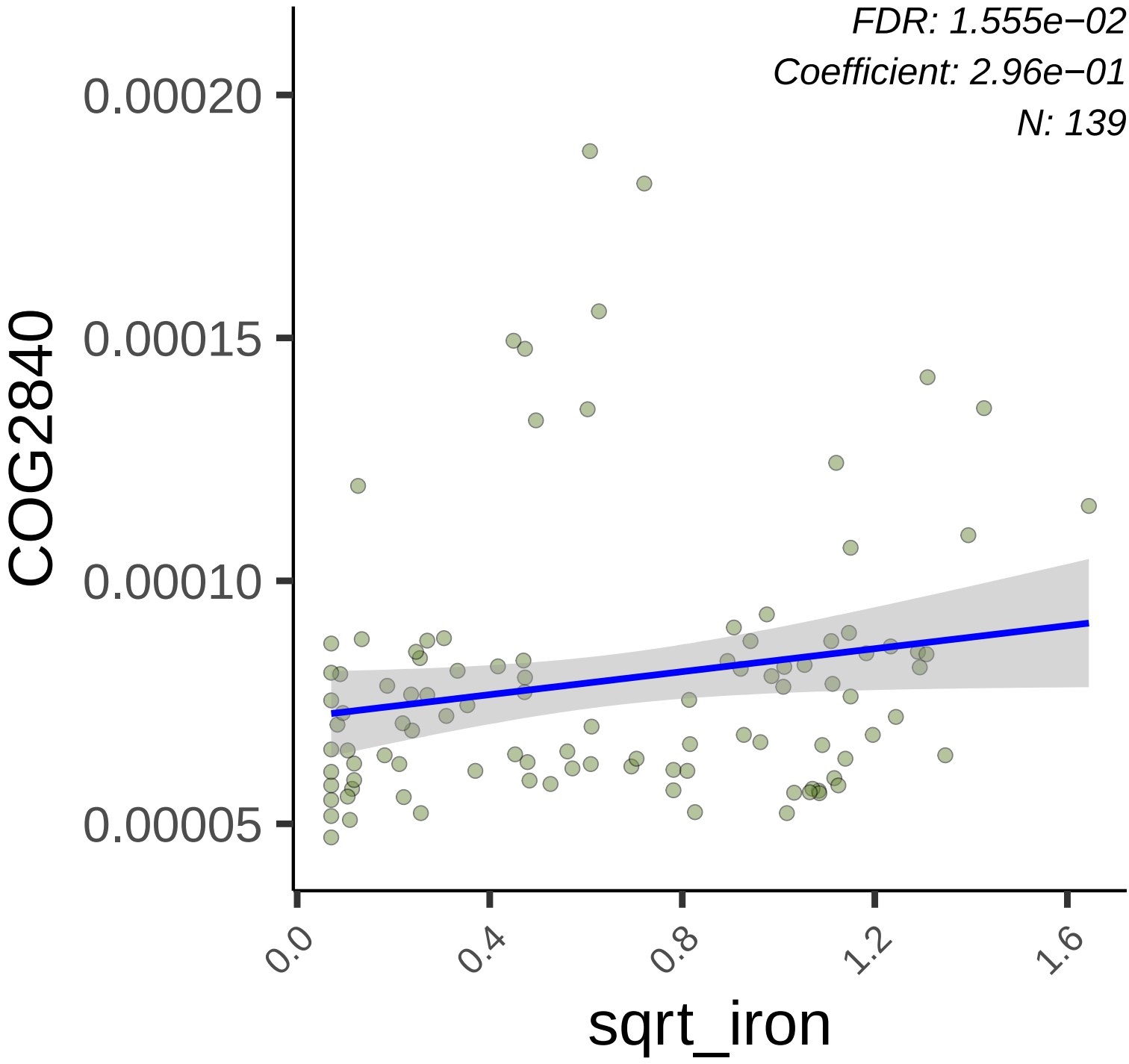
3e−05
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.555e−02
Coefficient: 2.96e−01
N: 139
COG2840
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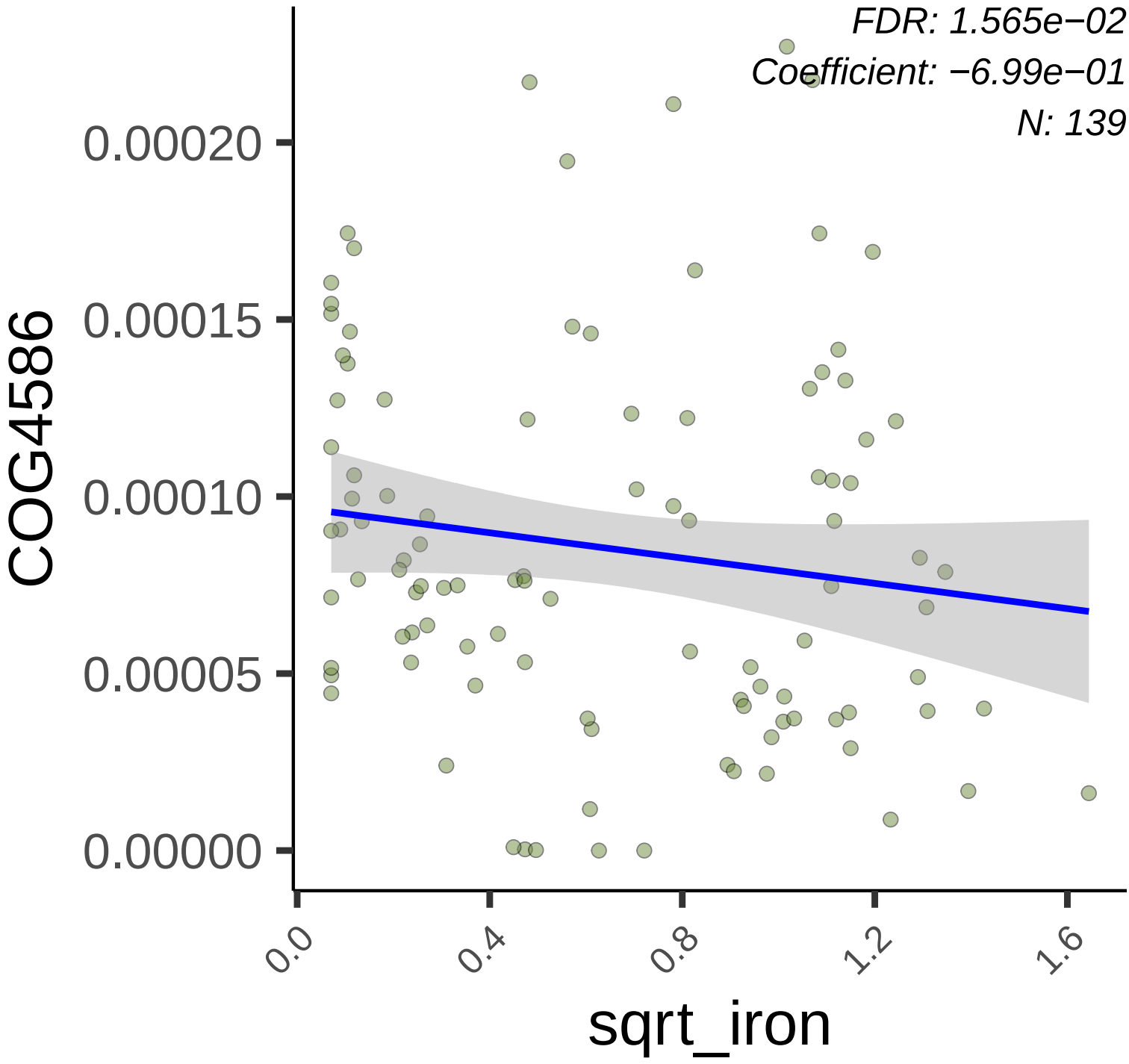
0.00010
0.00005
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.565e−02
Coefficient: −6.99e−01
N: 139
COG4586
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0.4
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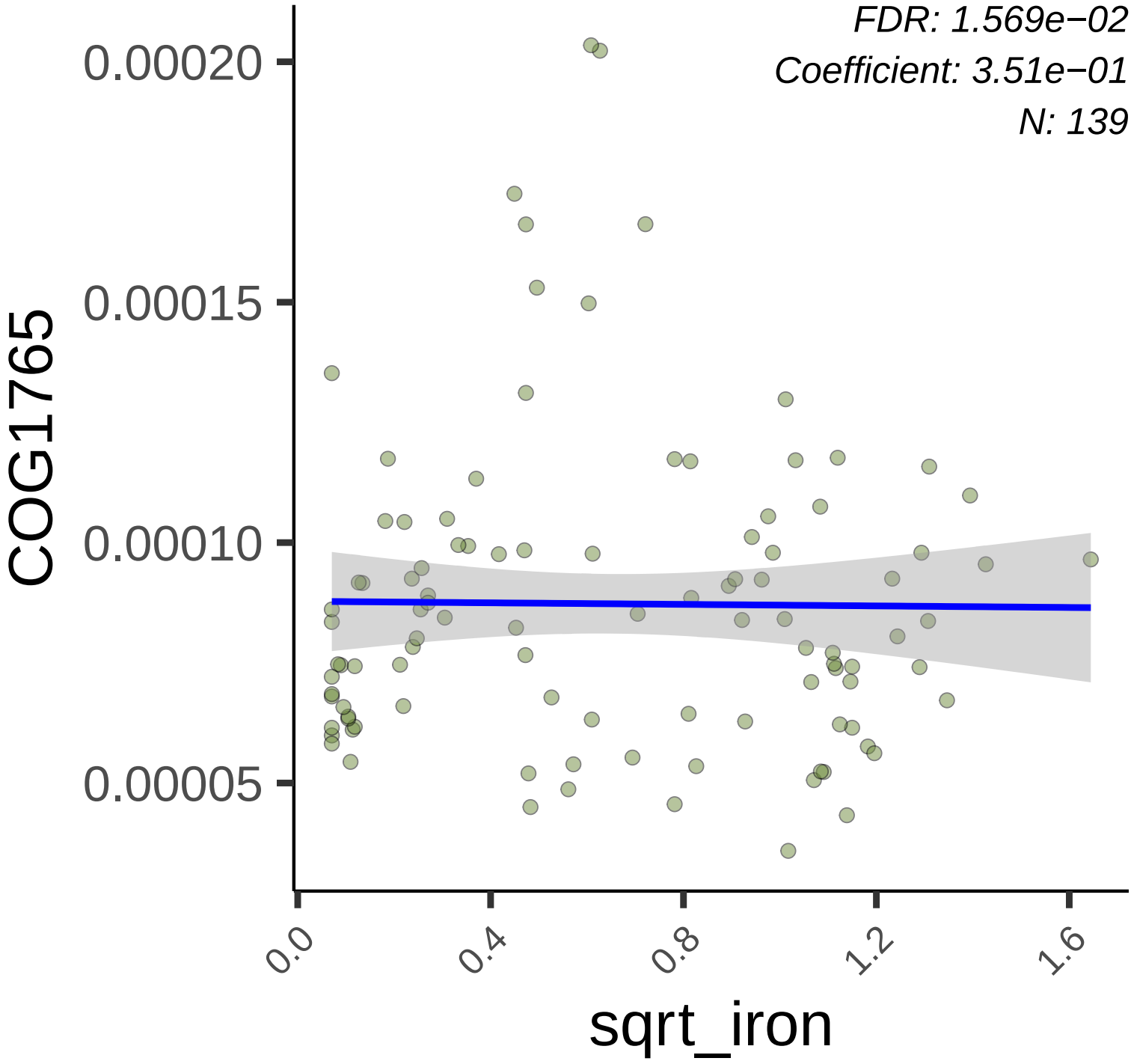
1.2
1.6
sqrt_iron


FDR: 1.569e−02
Coefficient: 3.51e−01
N: 139
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0.00005
COG1765
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0.4
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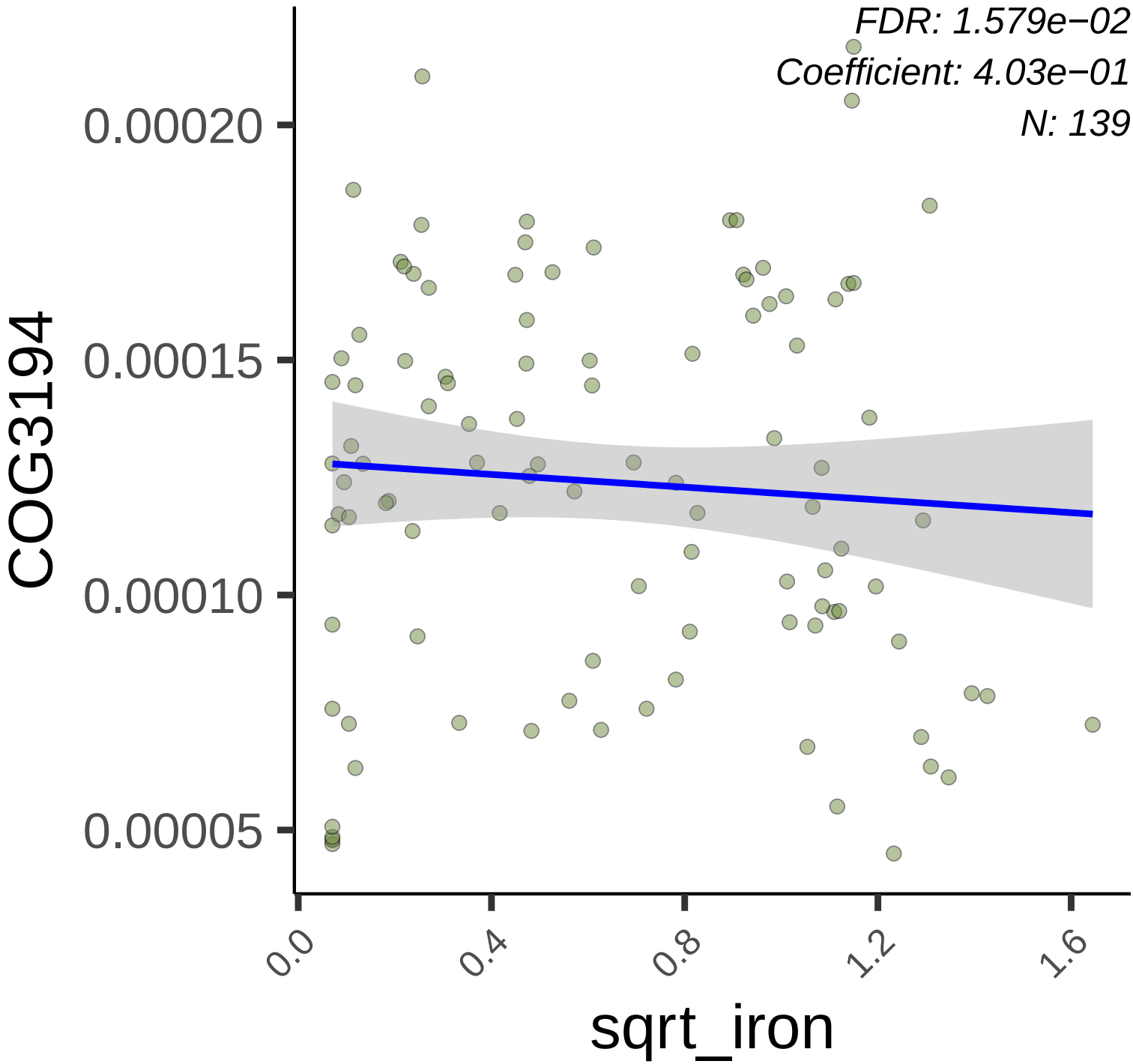
1.6
sqrt_iron


FDR: 1.579e−02
Coefficient: 4.03e−01
N: 139
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0.00010
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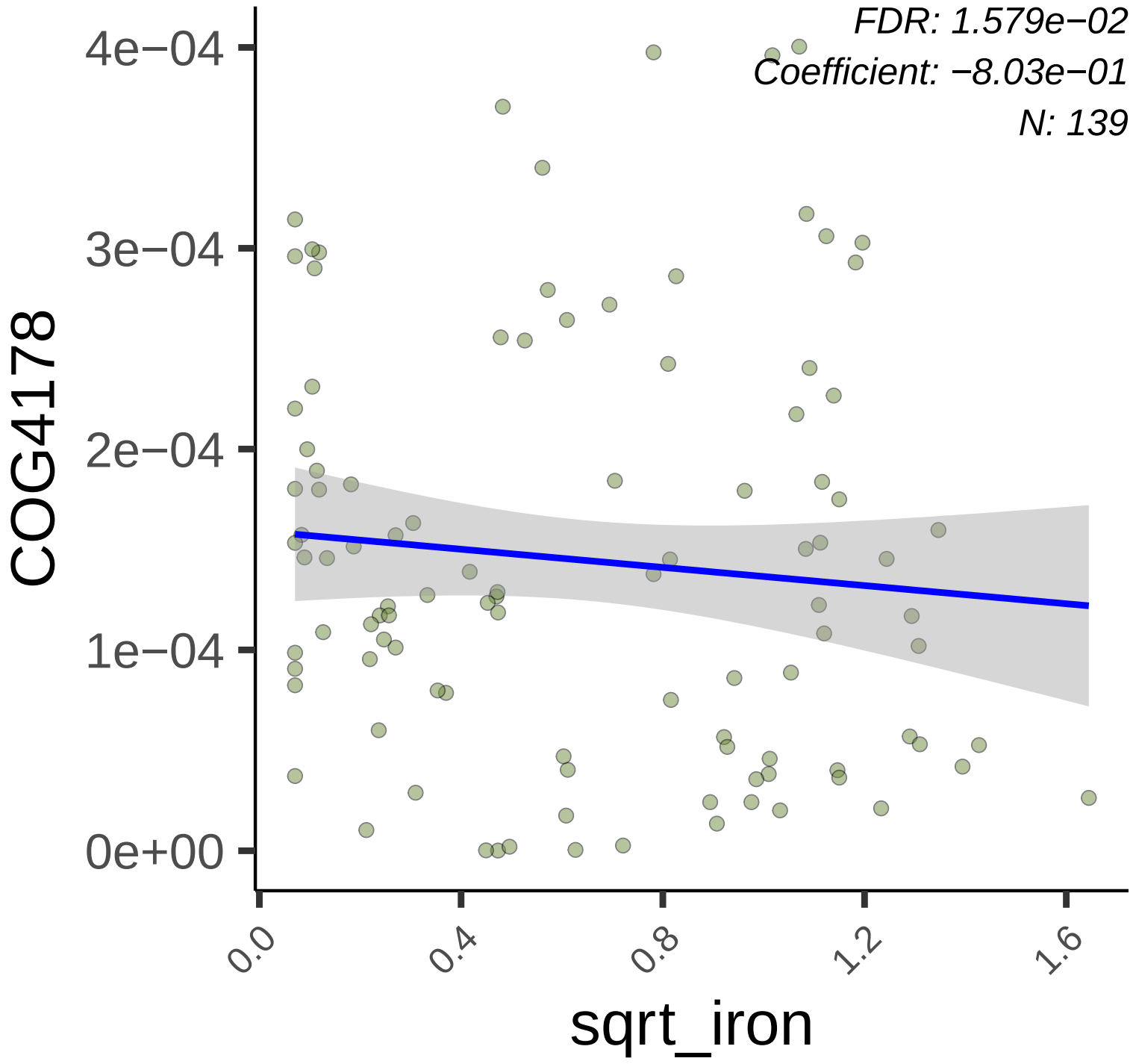
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.579e−02
Coefficient: −8.03e−01
N: 139
COG4178
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2e−04
1e−04
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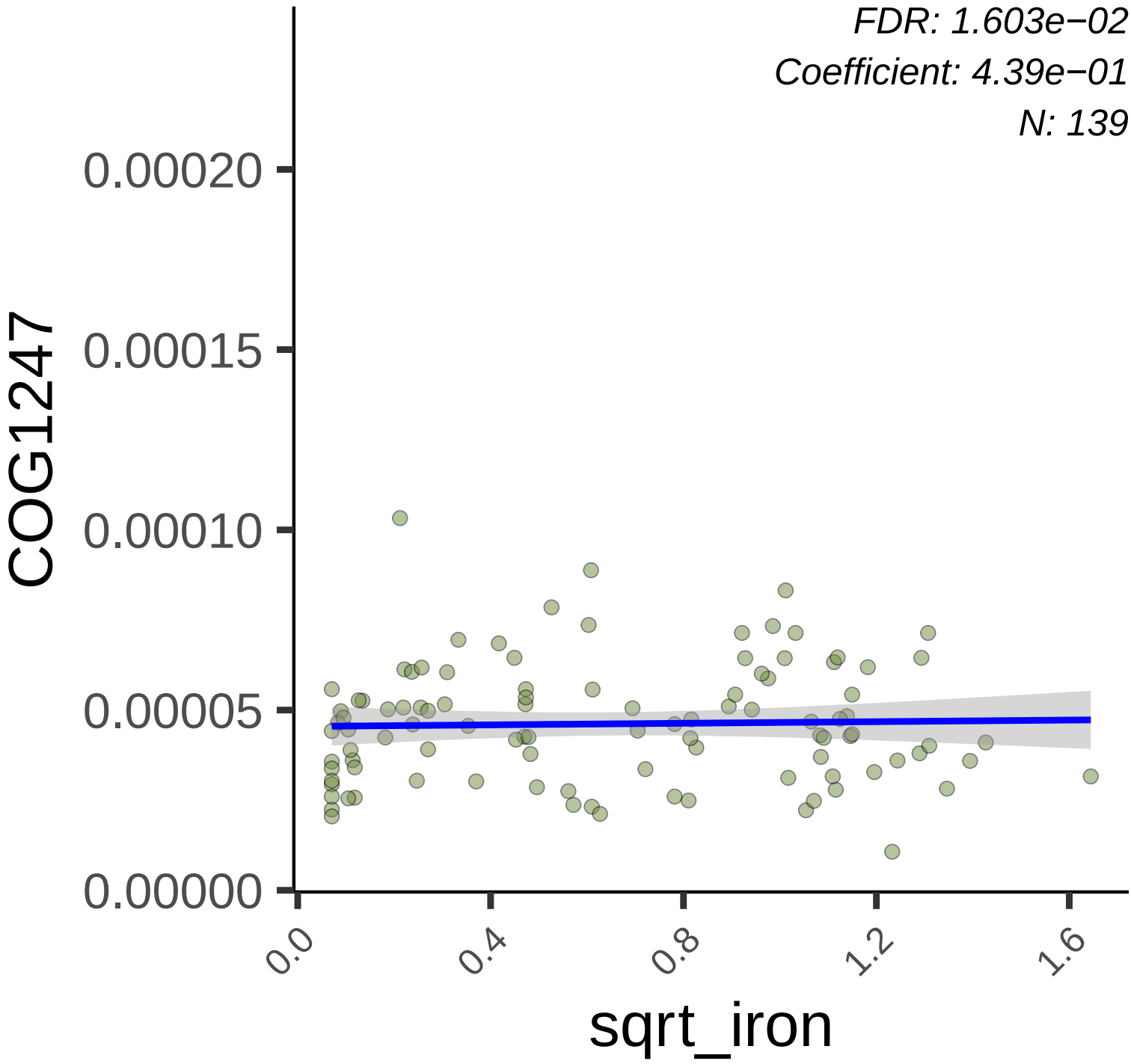
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.603e−02
Coefficient: 4.39e−01
N: 139
COG1247
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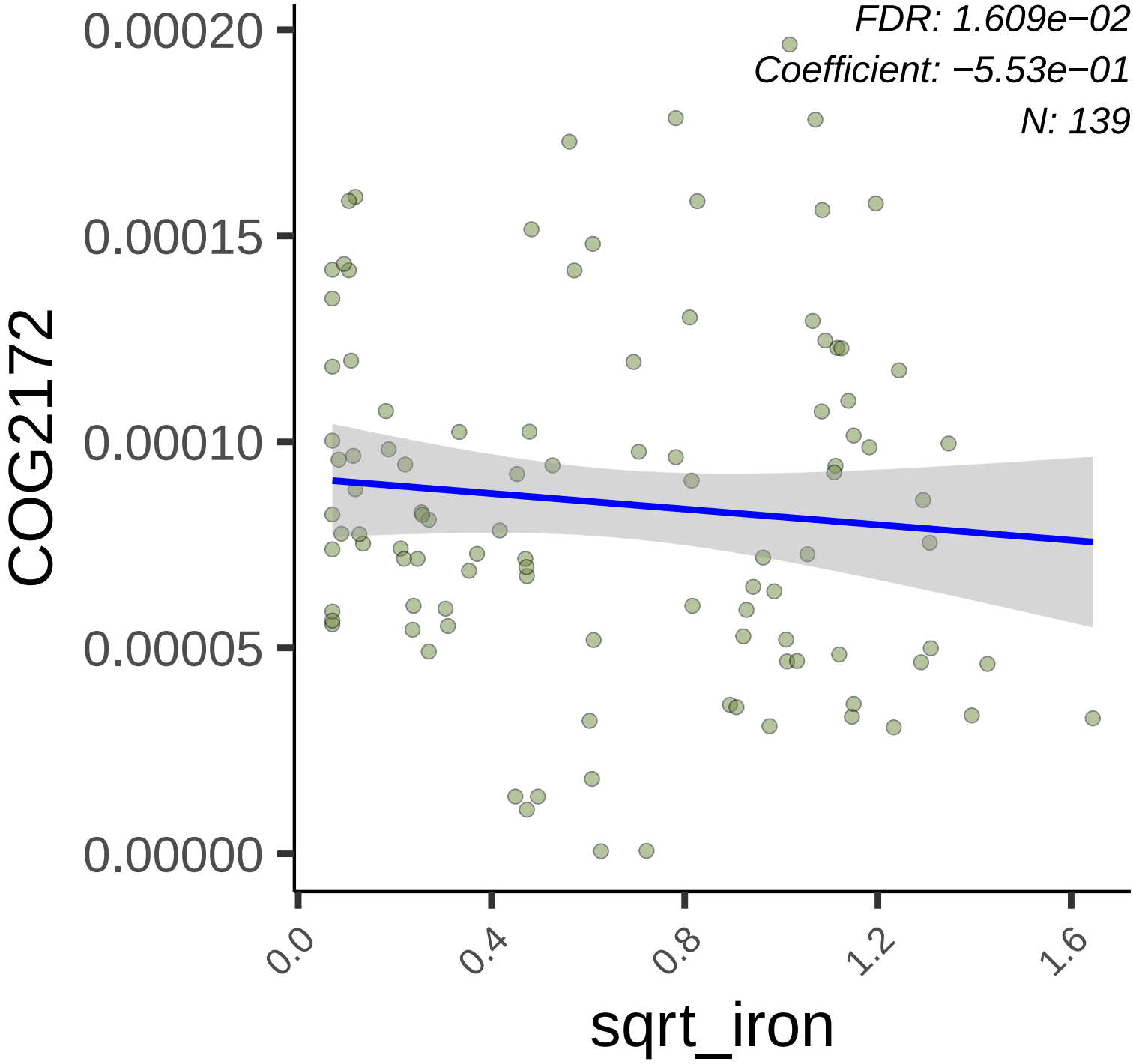
1.2
1.6
sqrt_iron


FDR: 1.609e−02
Coefficient: −5.53e−01
N: 139
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COG2172
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0.4
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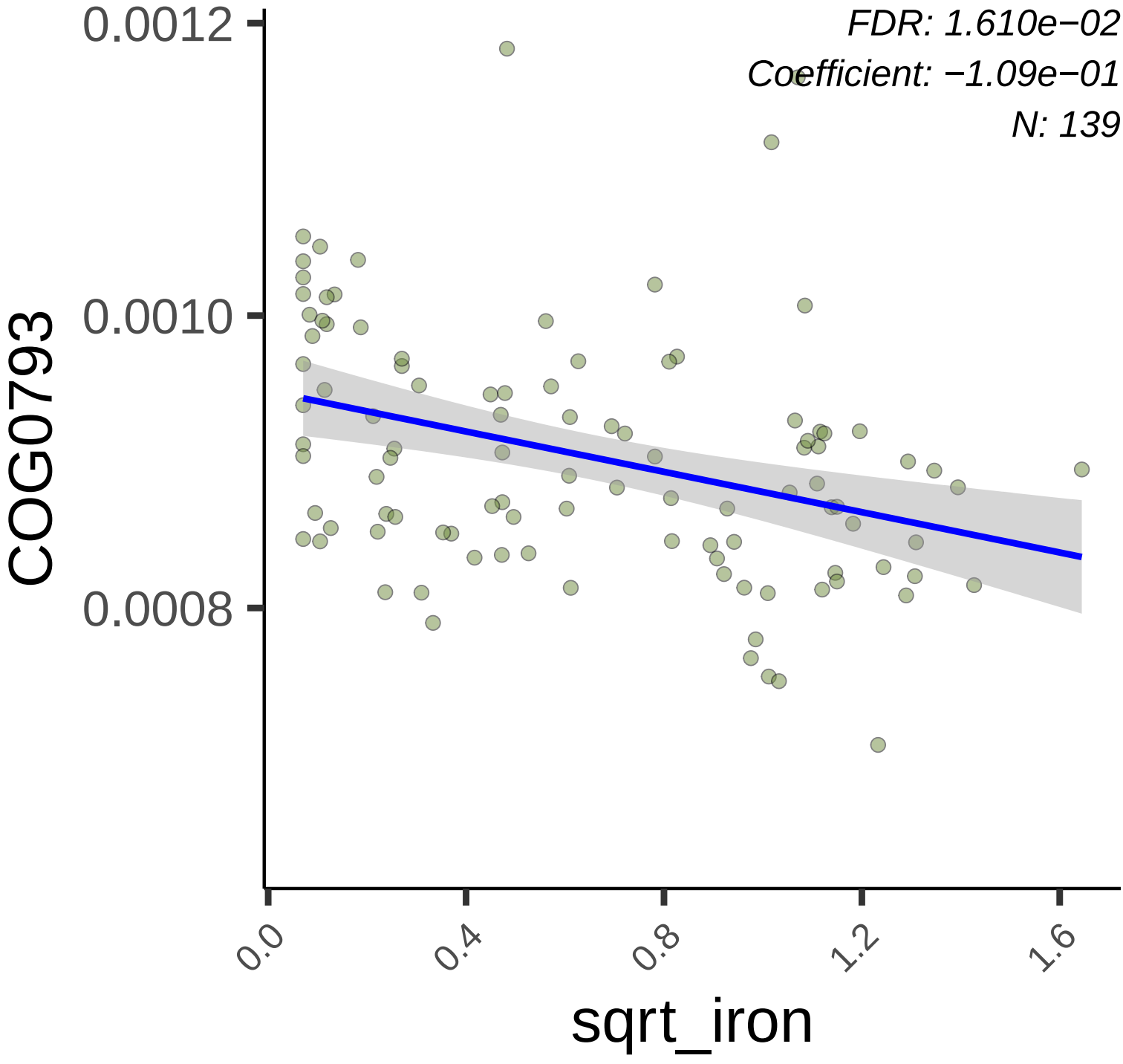
1.2
1.6
sqrt_iron


FDR: 1.610e−02
Coefficient: −1.09e−01
N: 139
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COG0793
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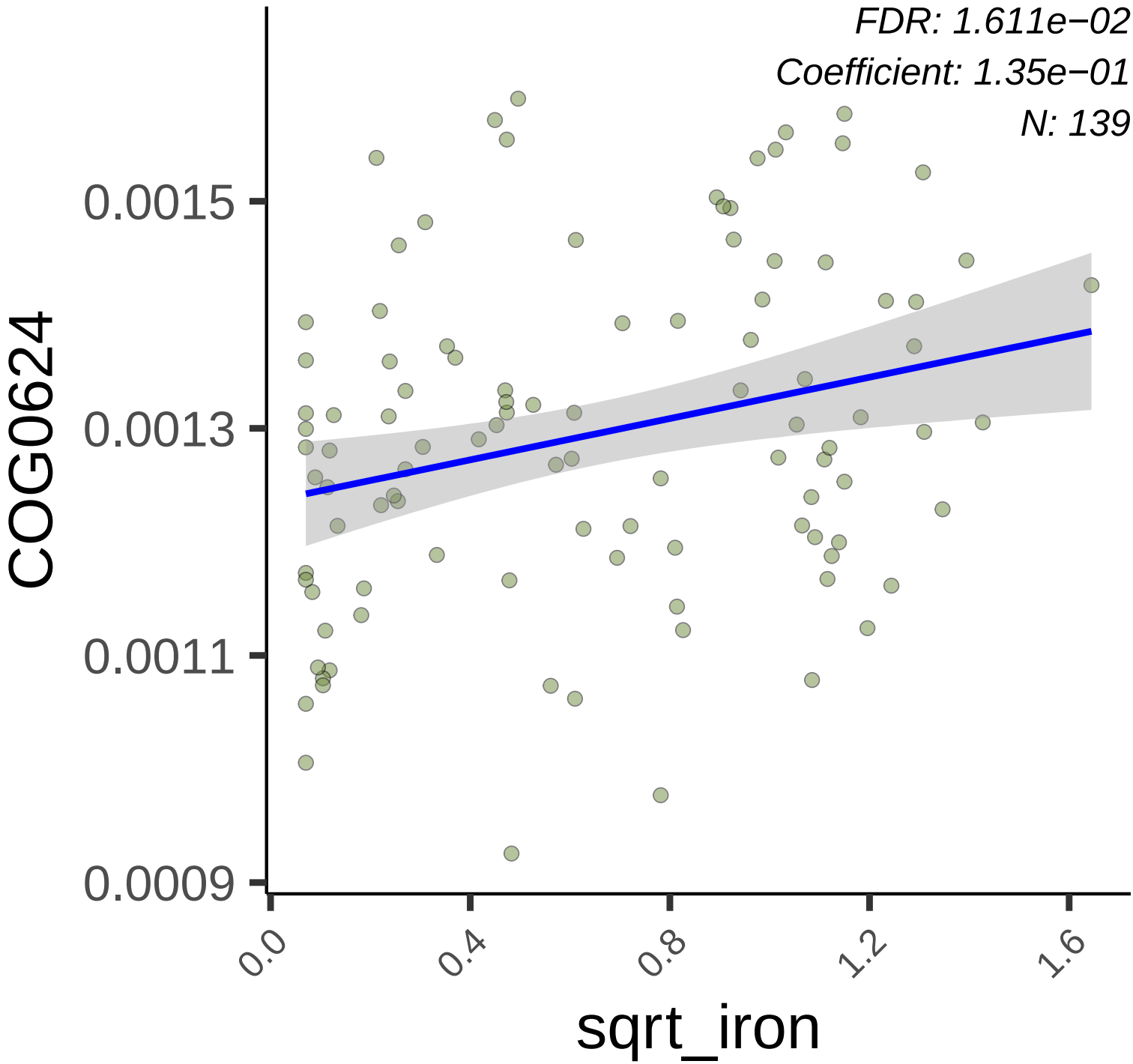
1.2
1.6
sqrt_iron


FDR: 1.611e−02
Coefficient: 1.35e−01
N: 139
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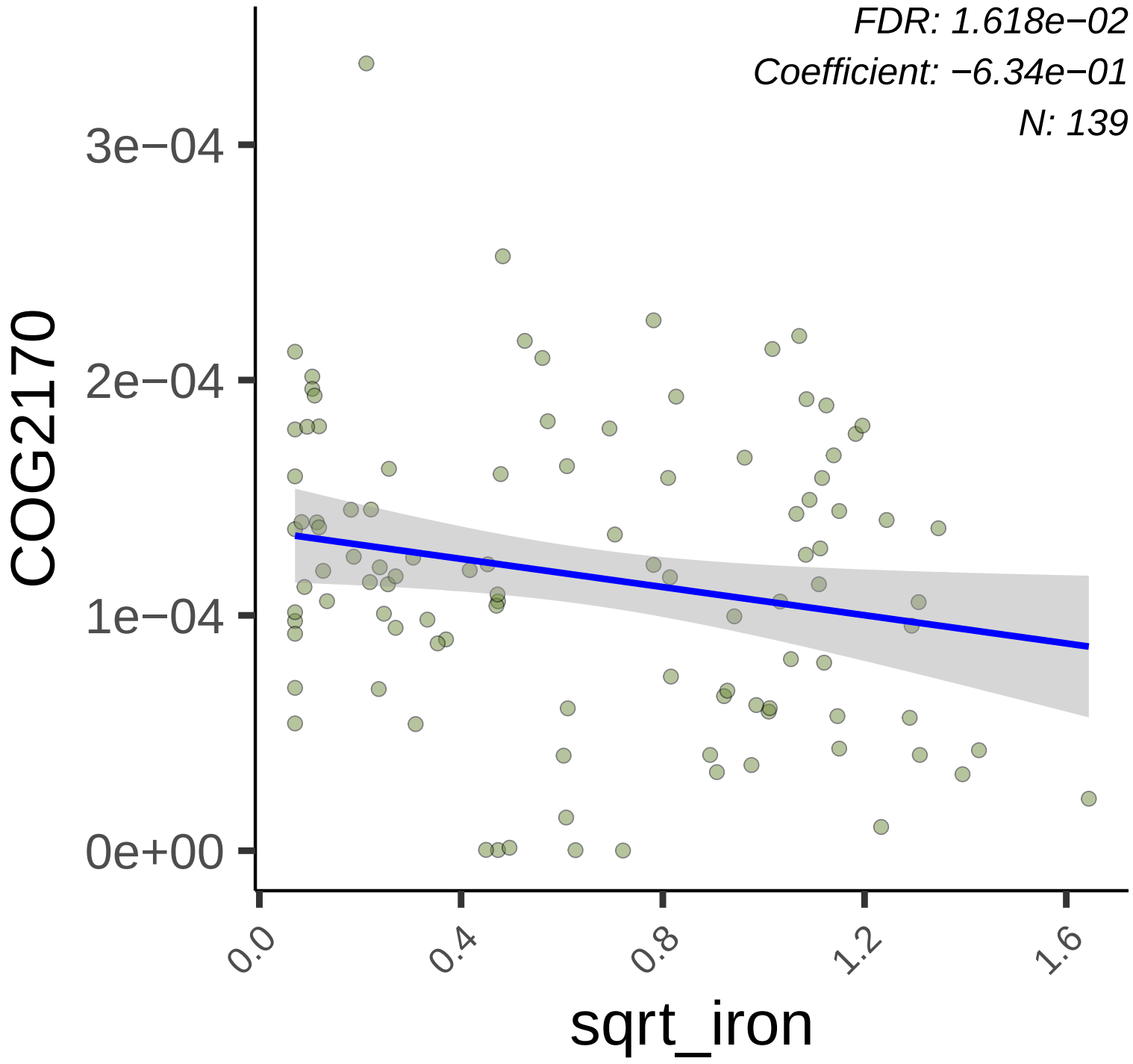
1.2
1.6
sqrt_iron


FDR: 1.618e−02
Coefficient: −6.34e−01
N: 139
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1e−04
0e+00
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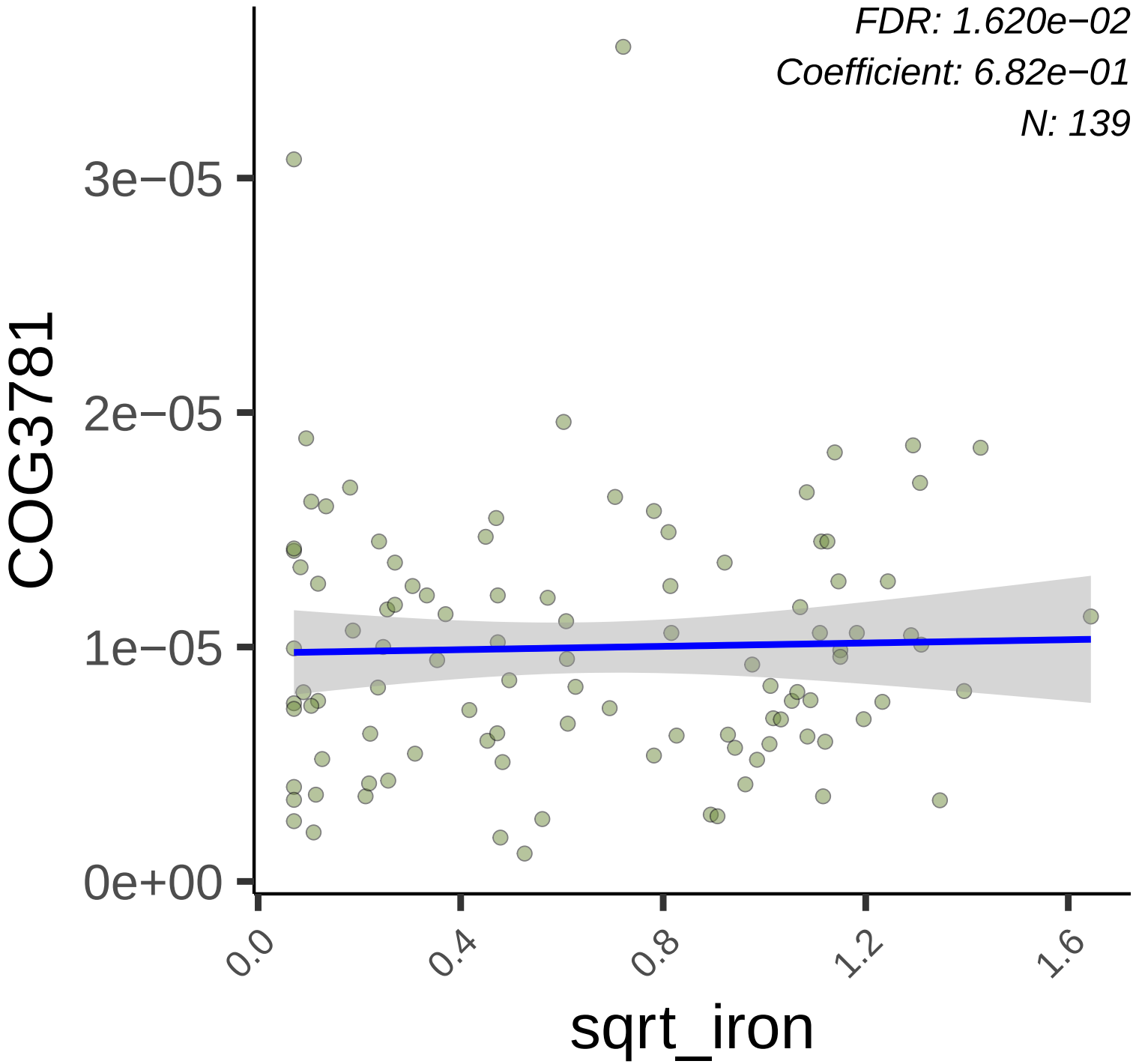
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.620e−02
Coefficient: 6.82e−01
N: 139
COG3781
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2e−05
1e−05
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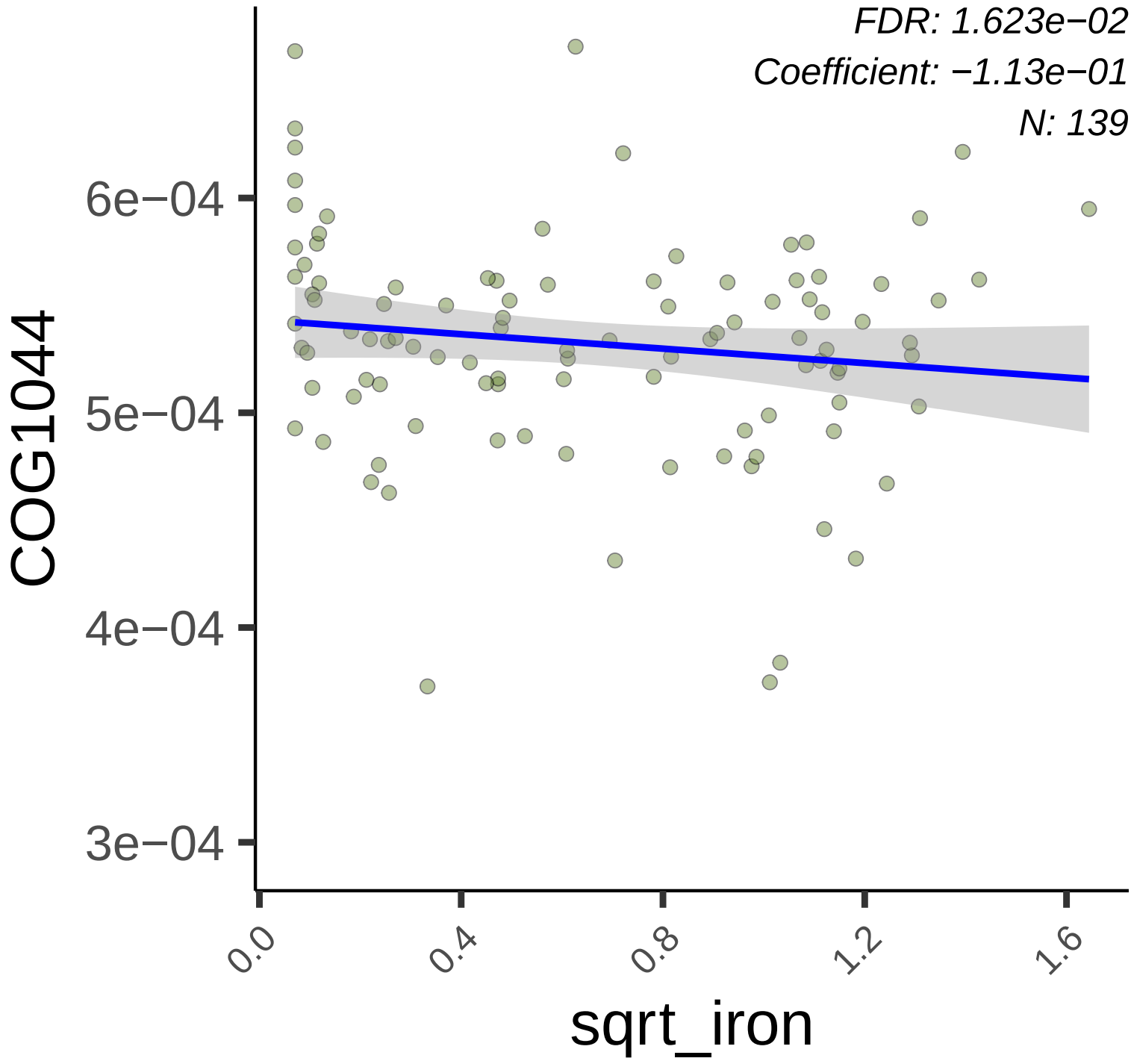
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.623e−02
Coefficient: −1.13e−01
N: 139
COG1044
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5e−04
4e−04
3e−04
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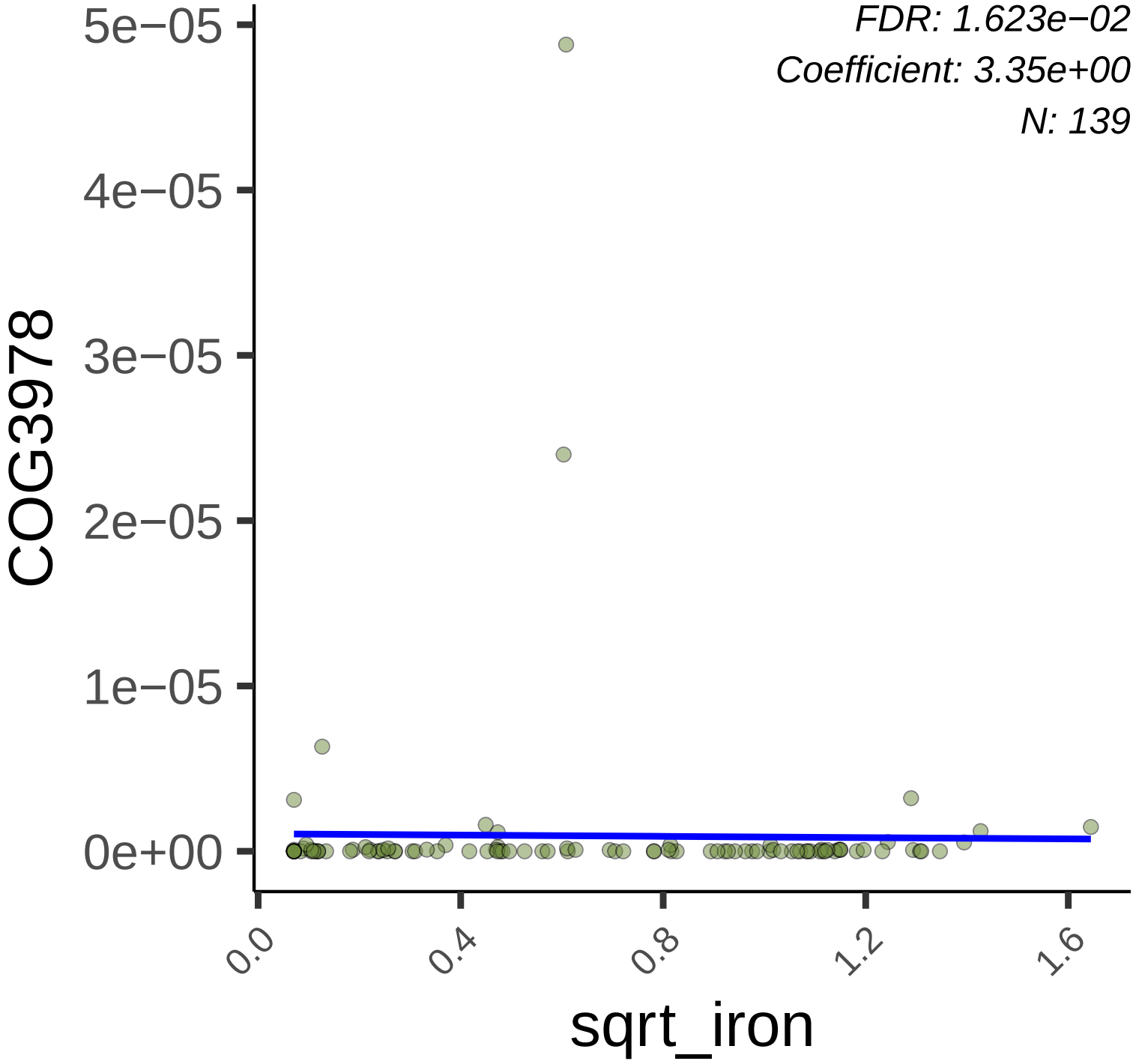
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.623e−02
Coefficient: 3.35e+00
N: 139
COG3978
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2e−05
1e−05
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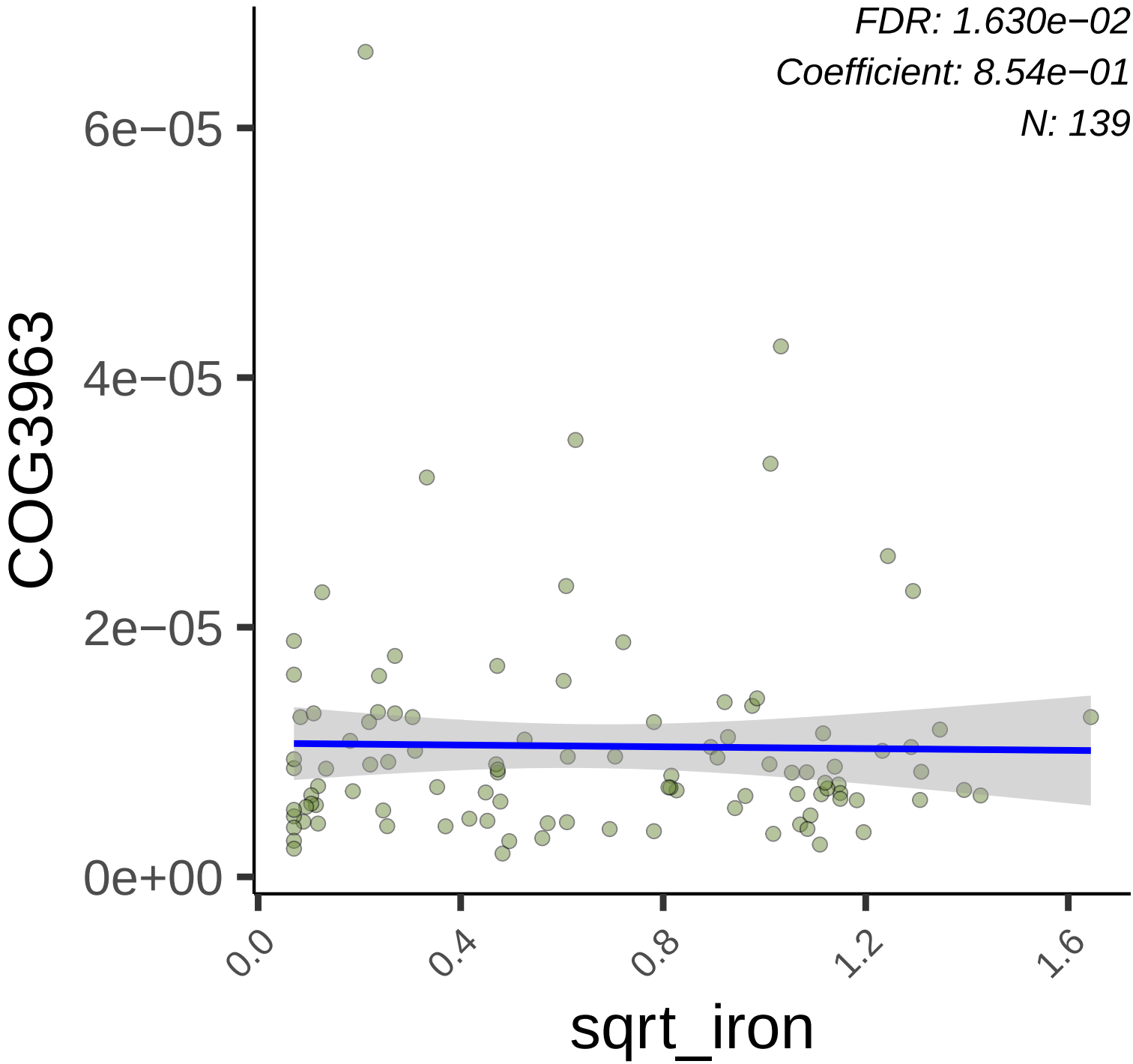
0.8
1.2
1.6
sqrt_iron


FDR: 1.630e−02
Coefficient: 8.54e−01
N: 139
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2e−05
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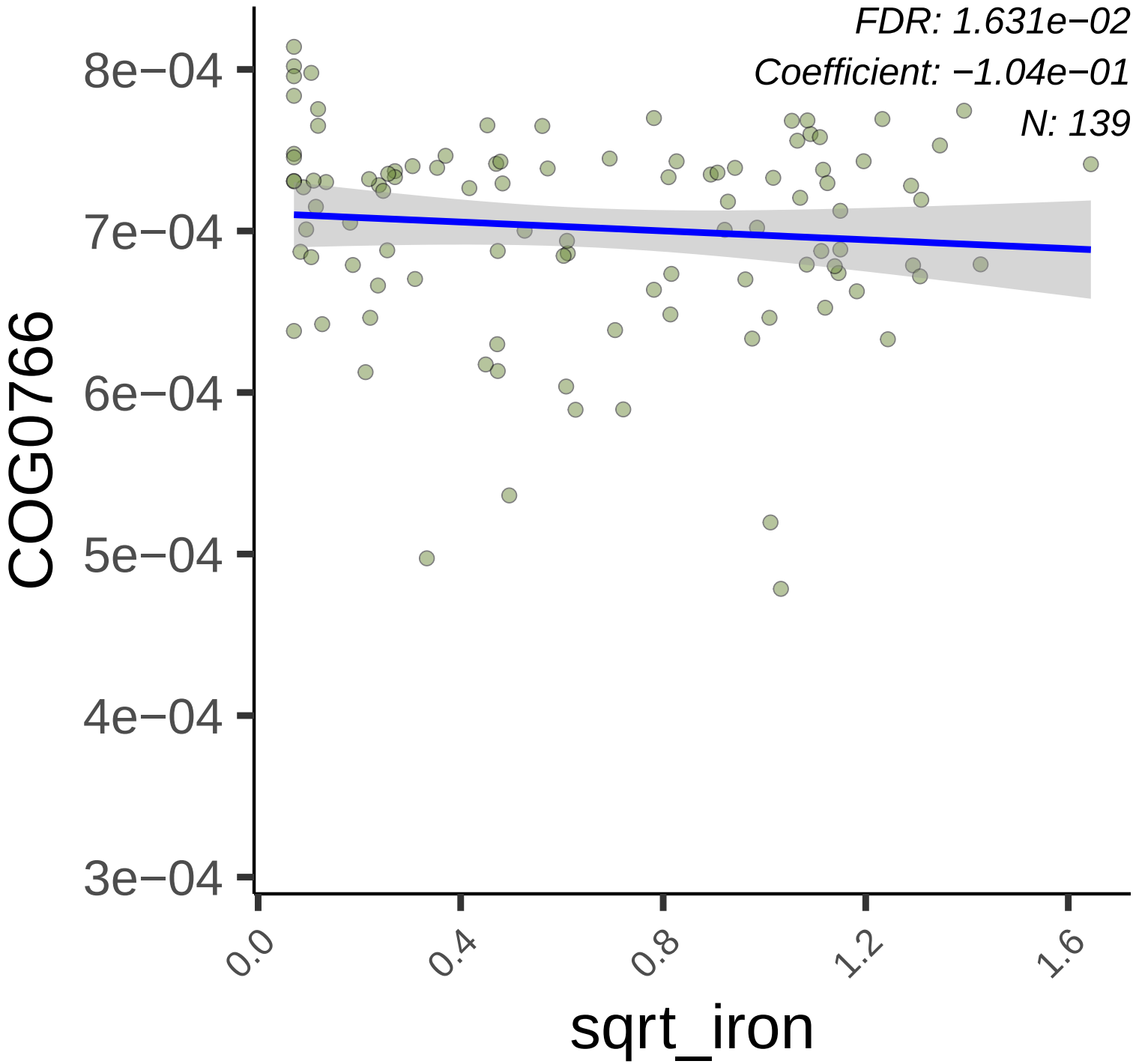
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.631e−02
Coefficient: −1.04e−01
N: 139
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7e−04
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5e−04
4e−04
3e−04
COG0766
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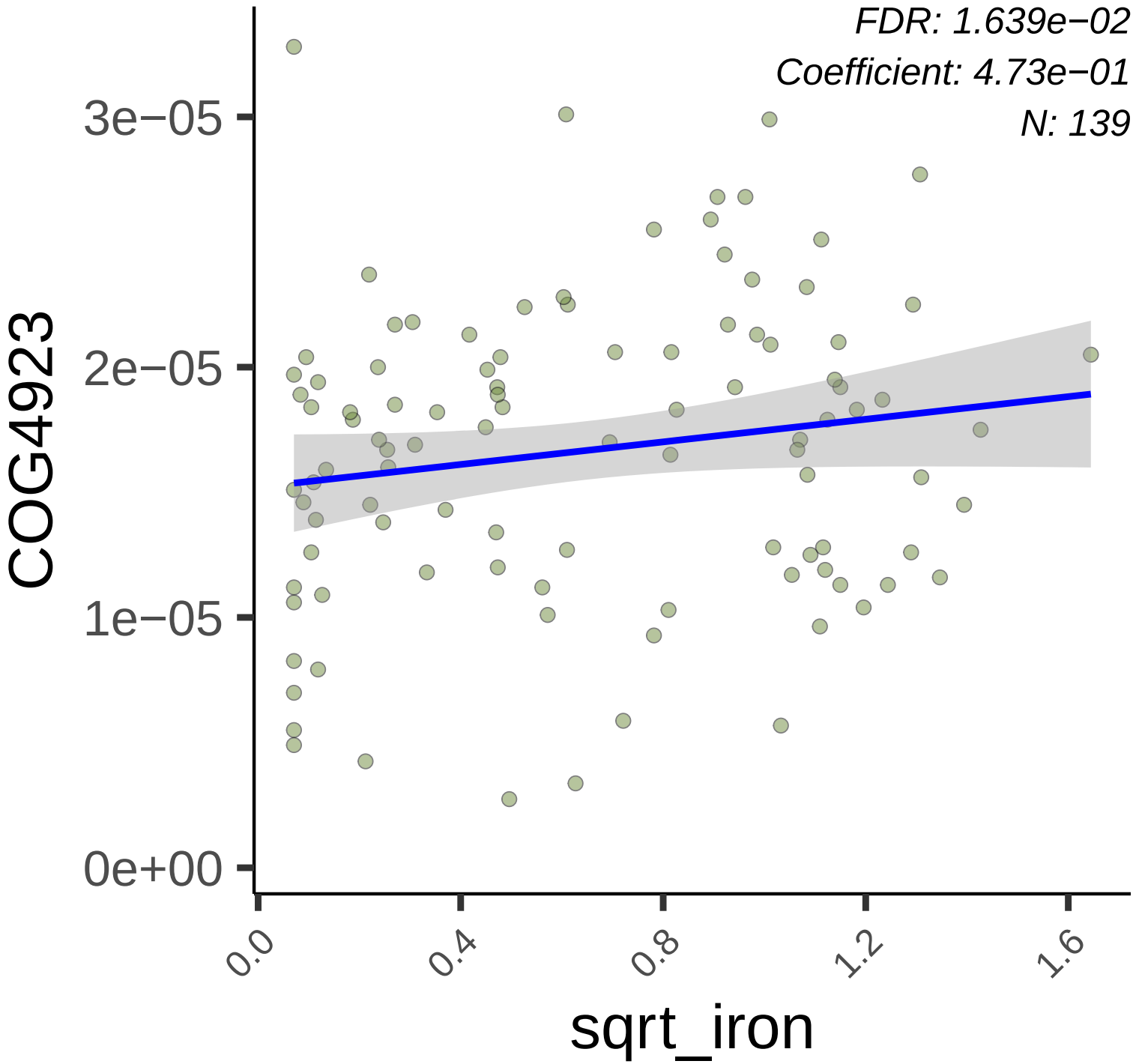
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.639e−02
Coefficient: 4.73e−01
N: 139
COG4923
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1e−05
0e+00
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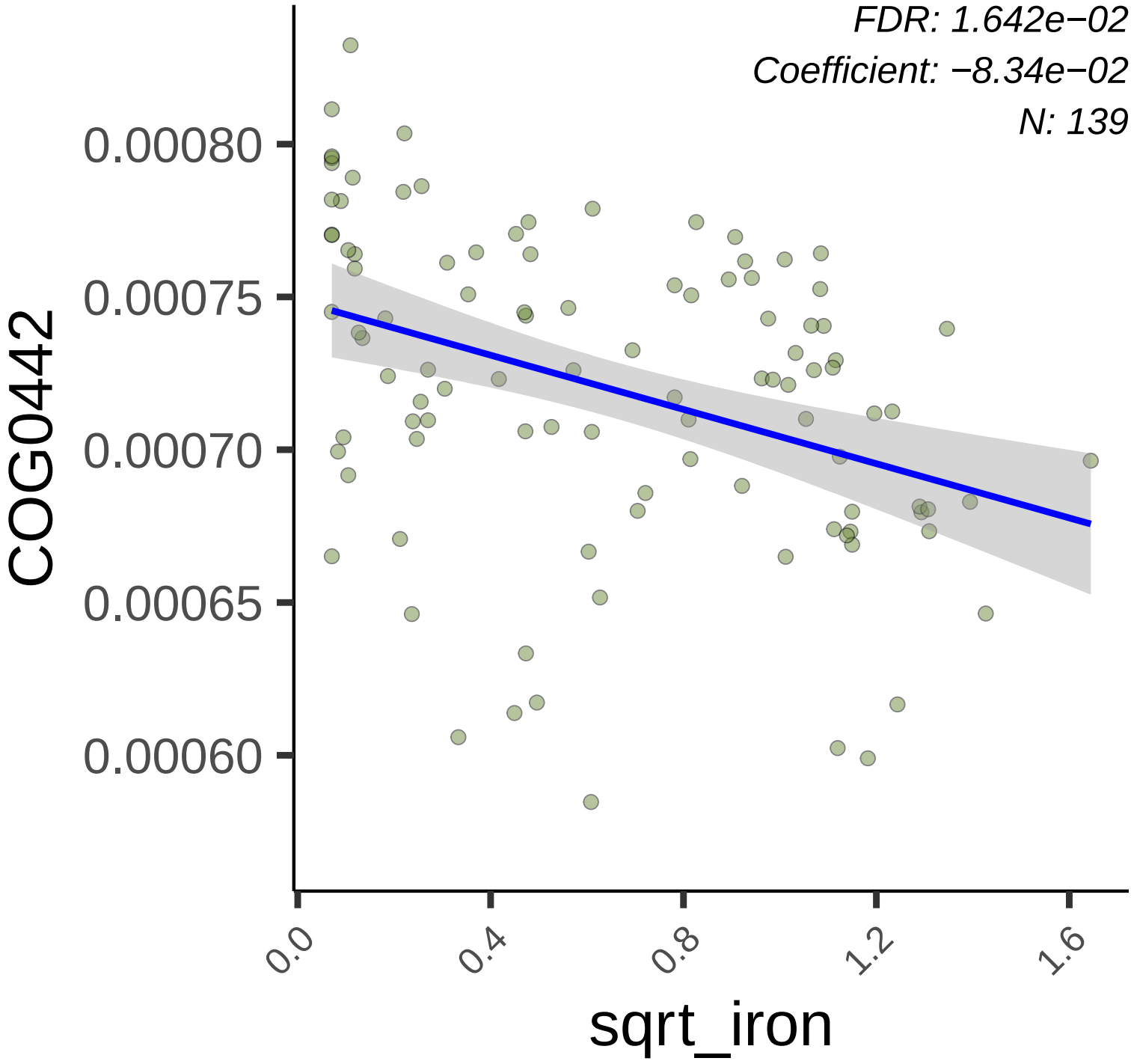
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.642e−02
Coefficient: −8.34e−02
N: 139
COG0442
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0.00070
0.00065
0.00060
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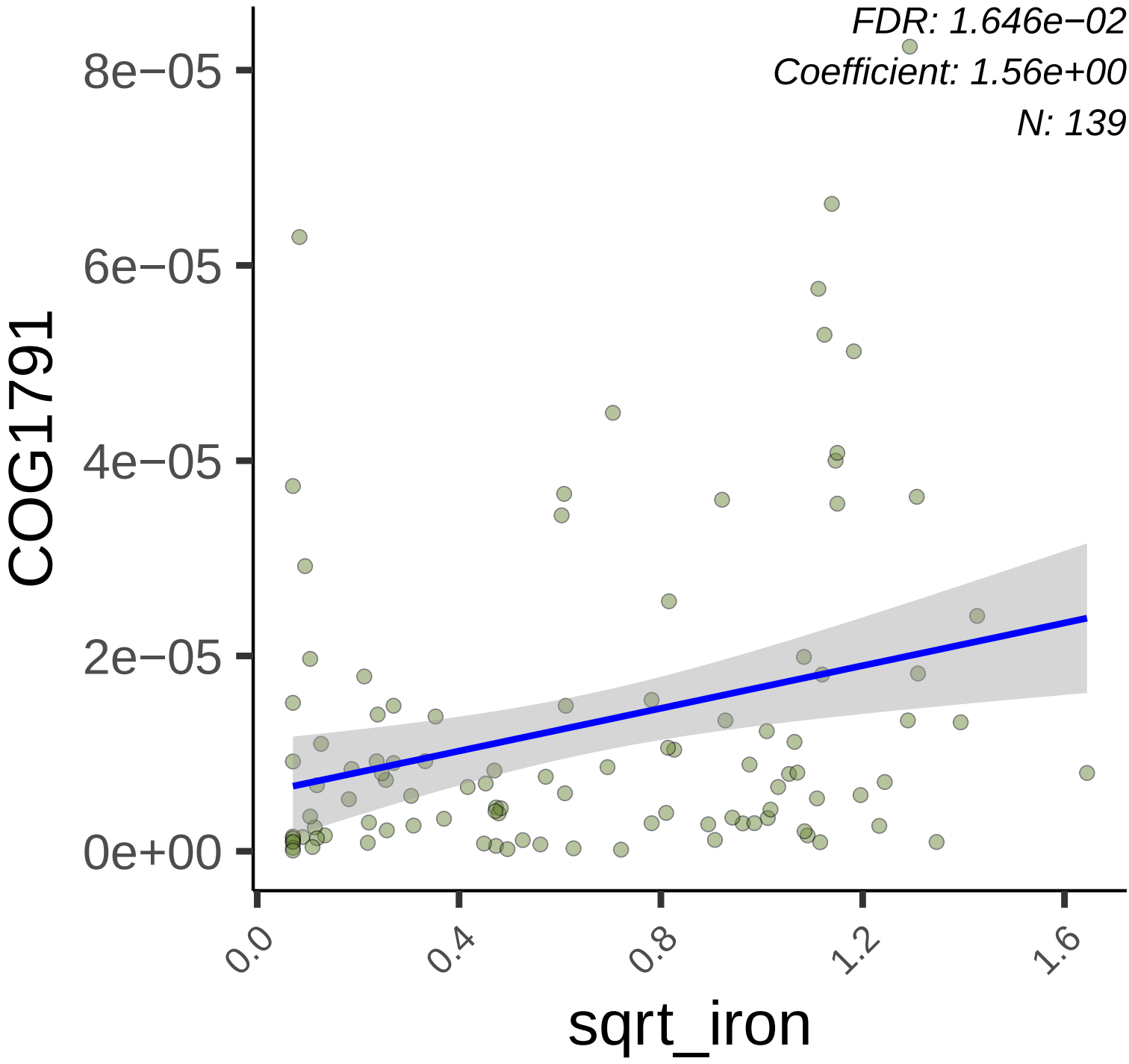
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.646e−02
Coefficient: 1.56e+00
N: 139
COG1791
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6e−05
4e−05
2e−05
0e+00
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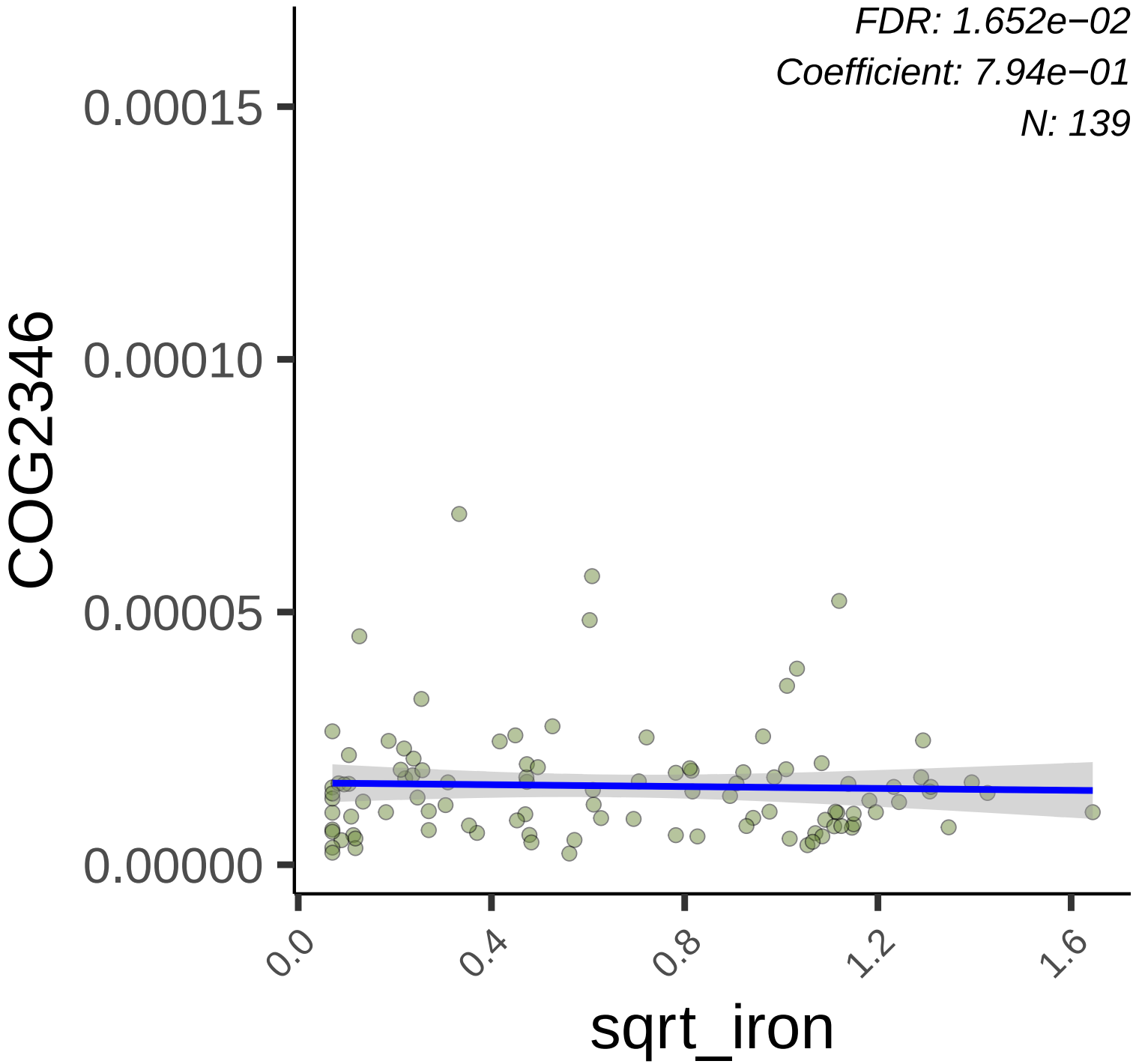
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.652e−02
Coefficient: 7.94e−01
N: 139
COG2346
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0.4
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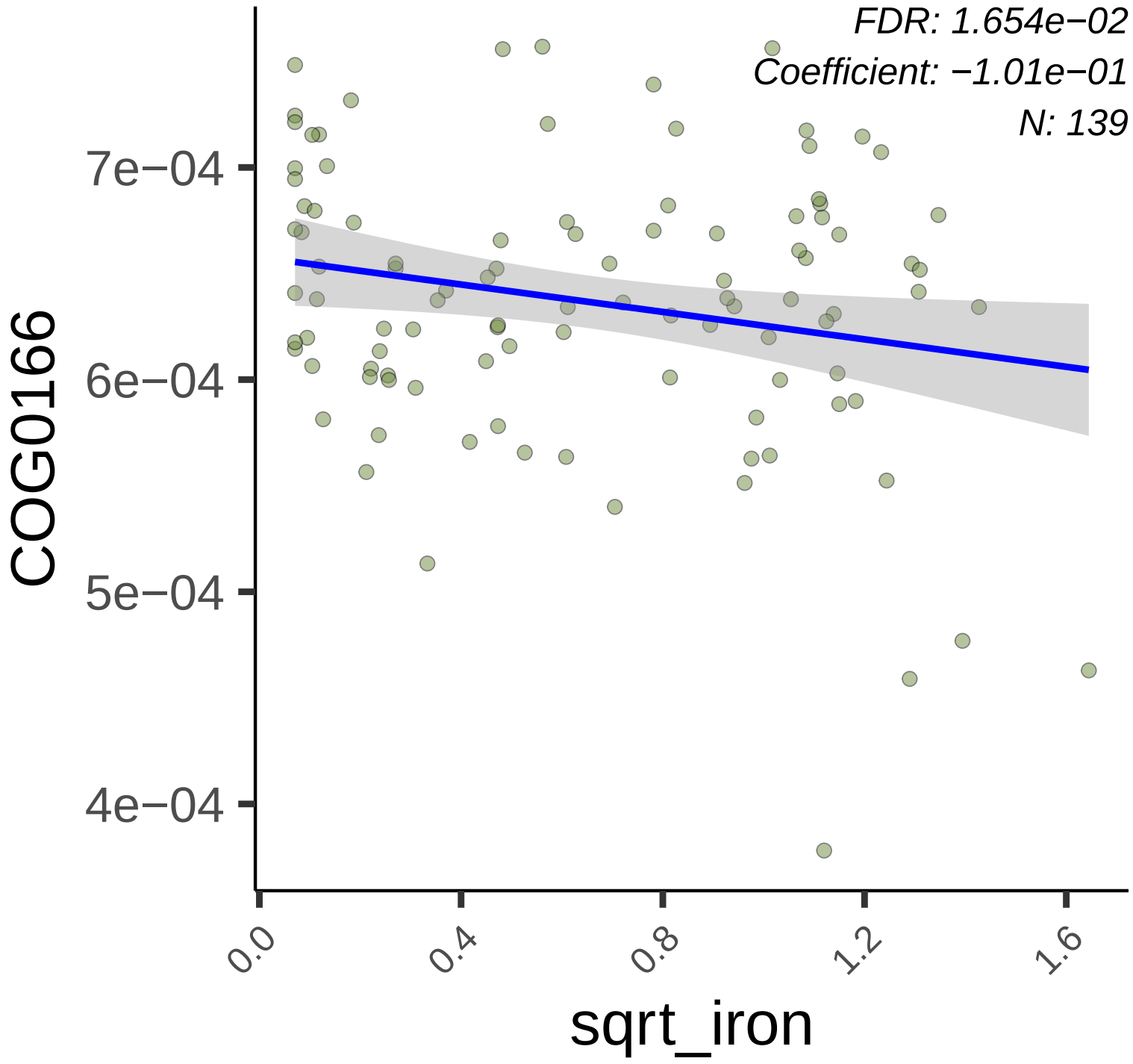
1.6
sqrt_iron


FDR: 1.654e−02
Coefficient: −1.01e−01
N: 139
7e−04
6e−04
5e−04
4e−04
COG0166
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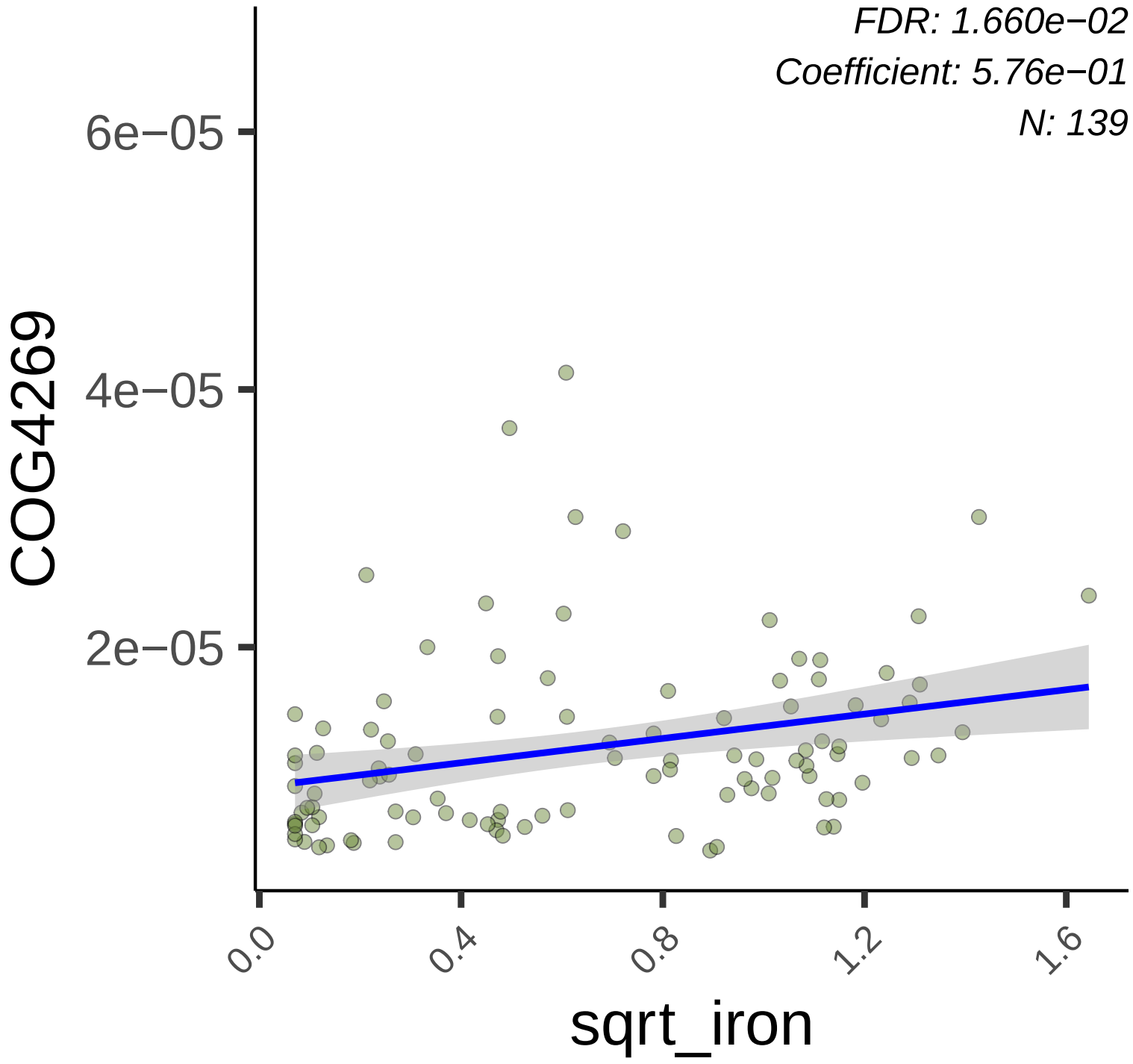
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.660e−02
Coefficient: 5.76e−01
N: 139
6e−05
4e−05
2e−05
COG4269
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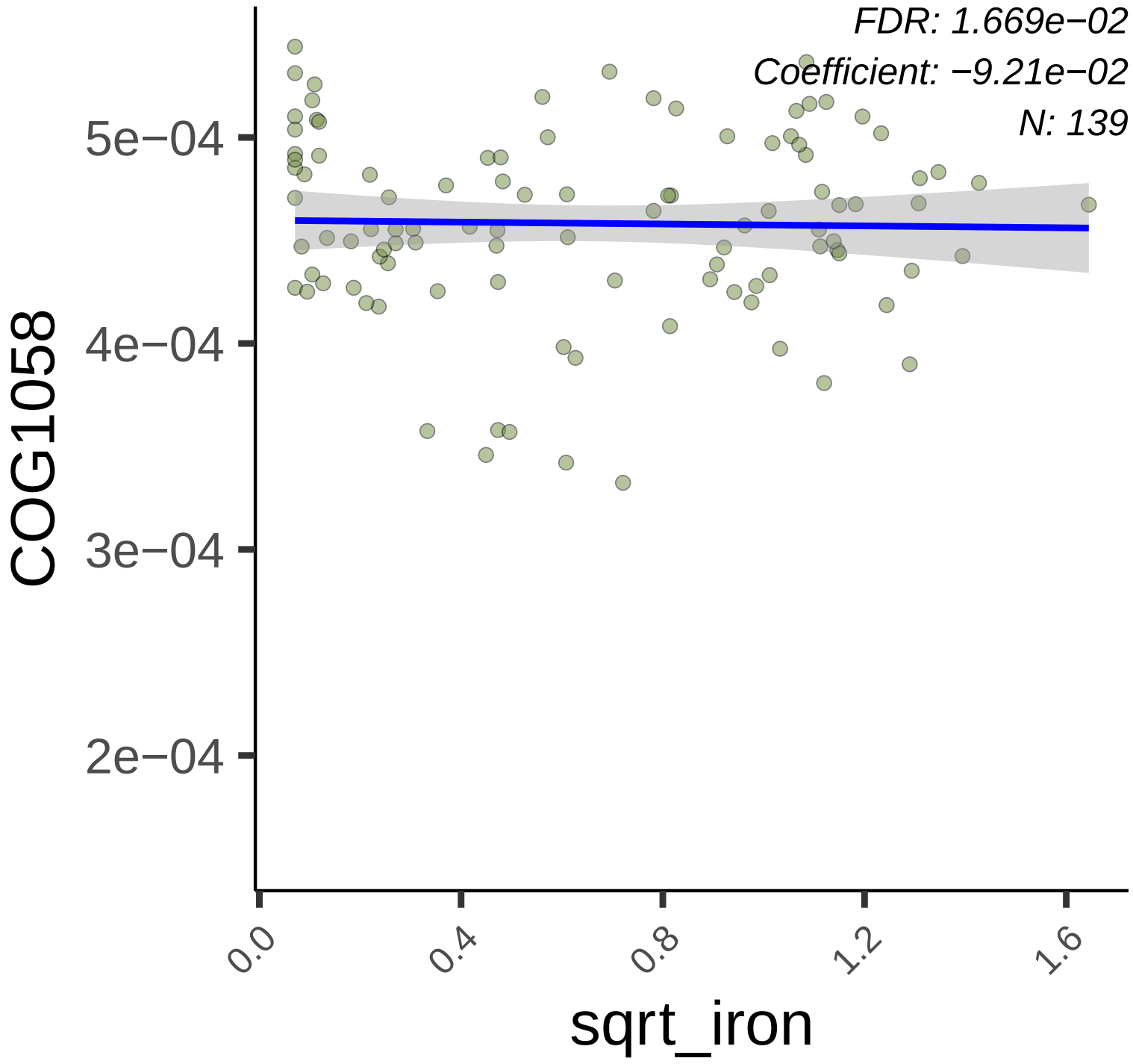
1.6
sqrt_iron


FDR: 1.669e−02
Coefficient: −9.21e−02
N: 139
COG1058
5e−04
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3e−04
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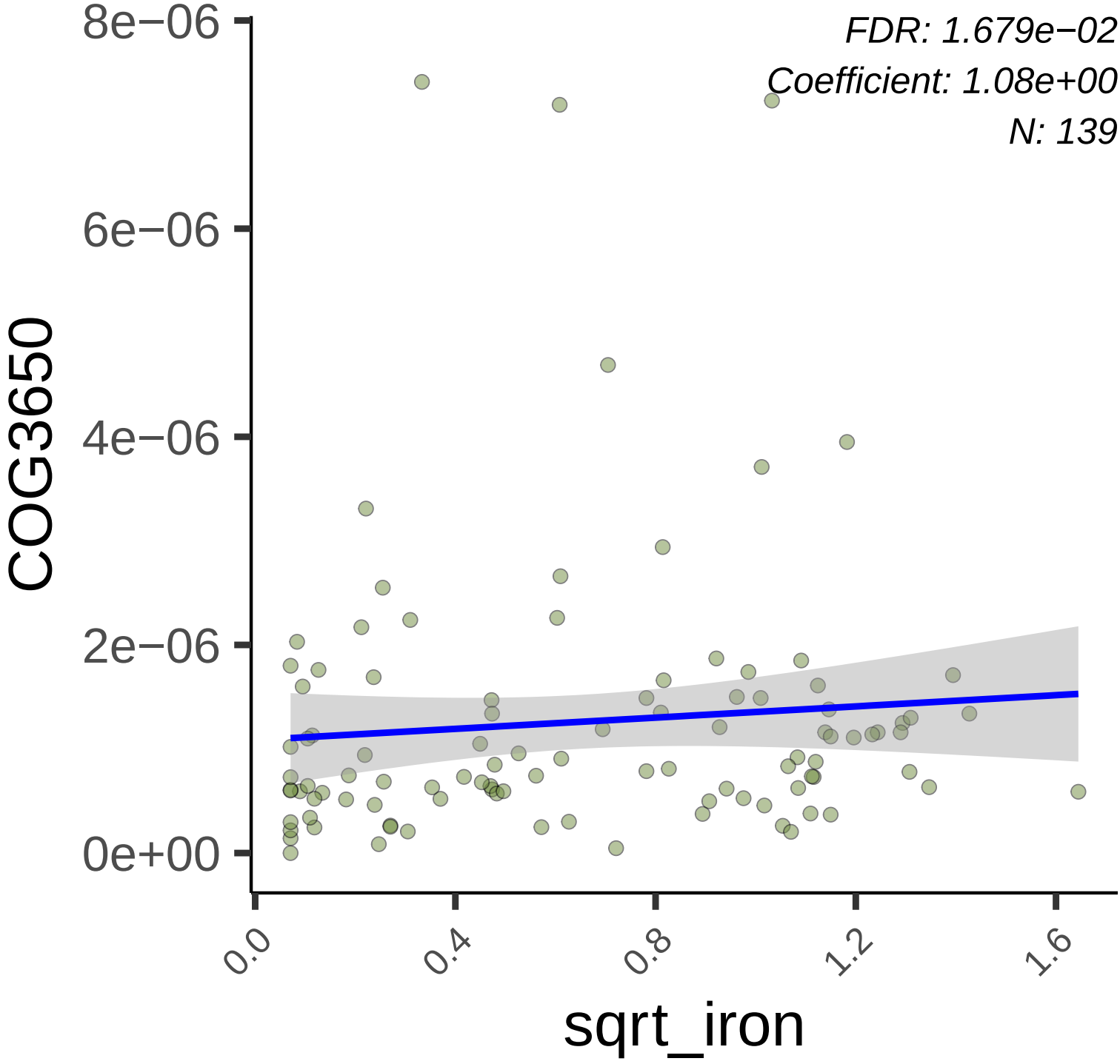
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.679e−02
Coefficient: 1.08e+00
N: 139
COG3650
8e−06
6e−06
4e−06
2e−06
0e+00
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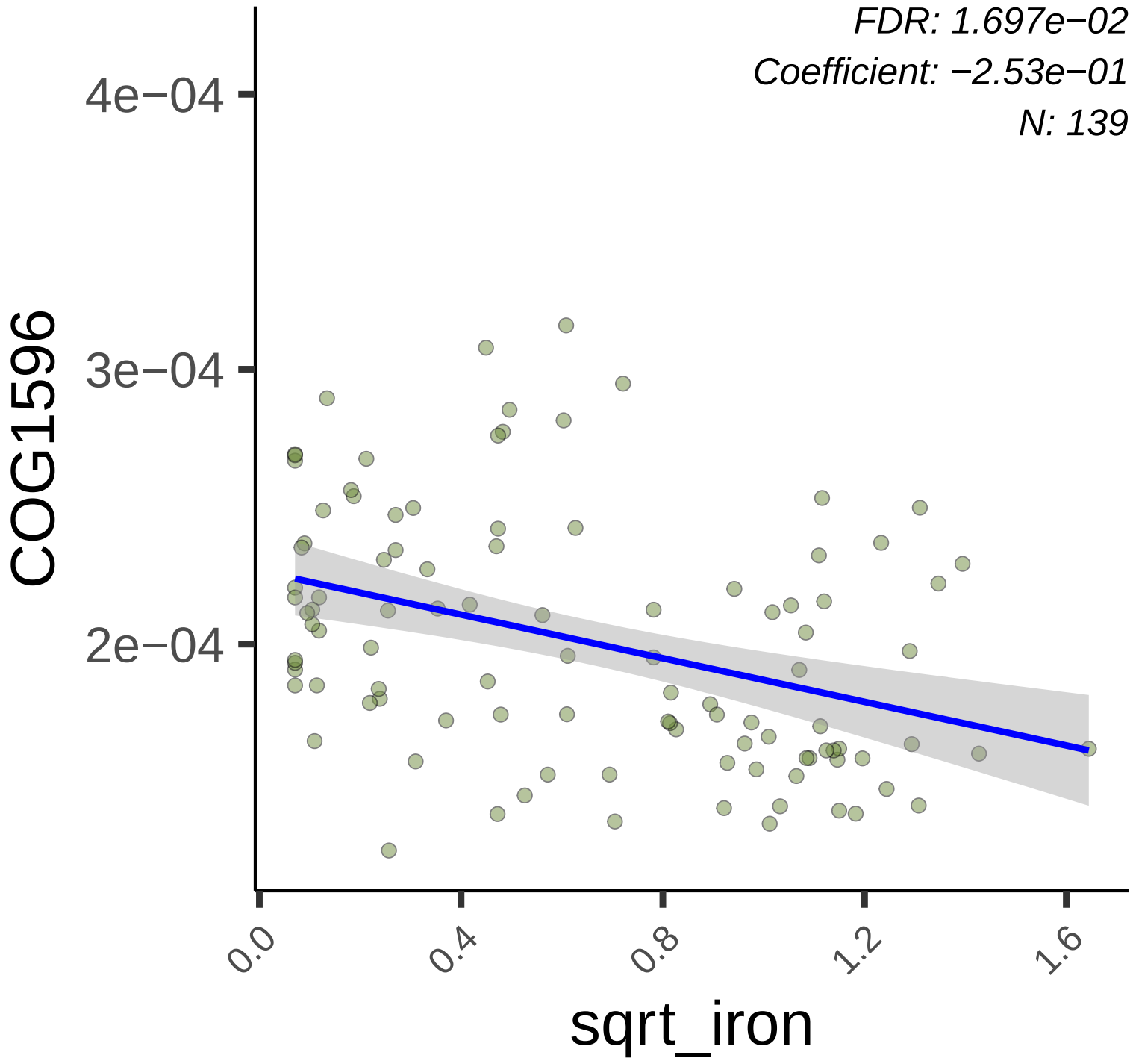
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.697e−02
Coefficient: −2.53e−01
N: 139
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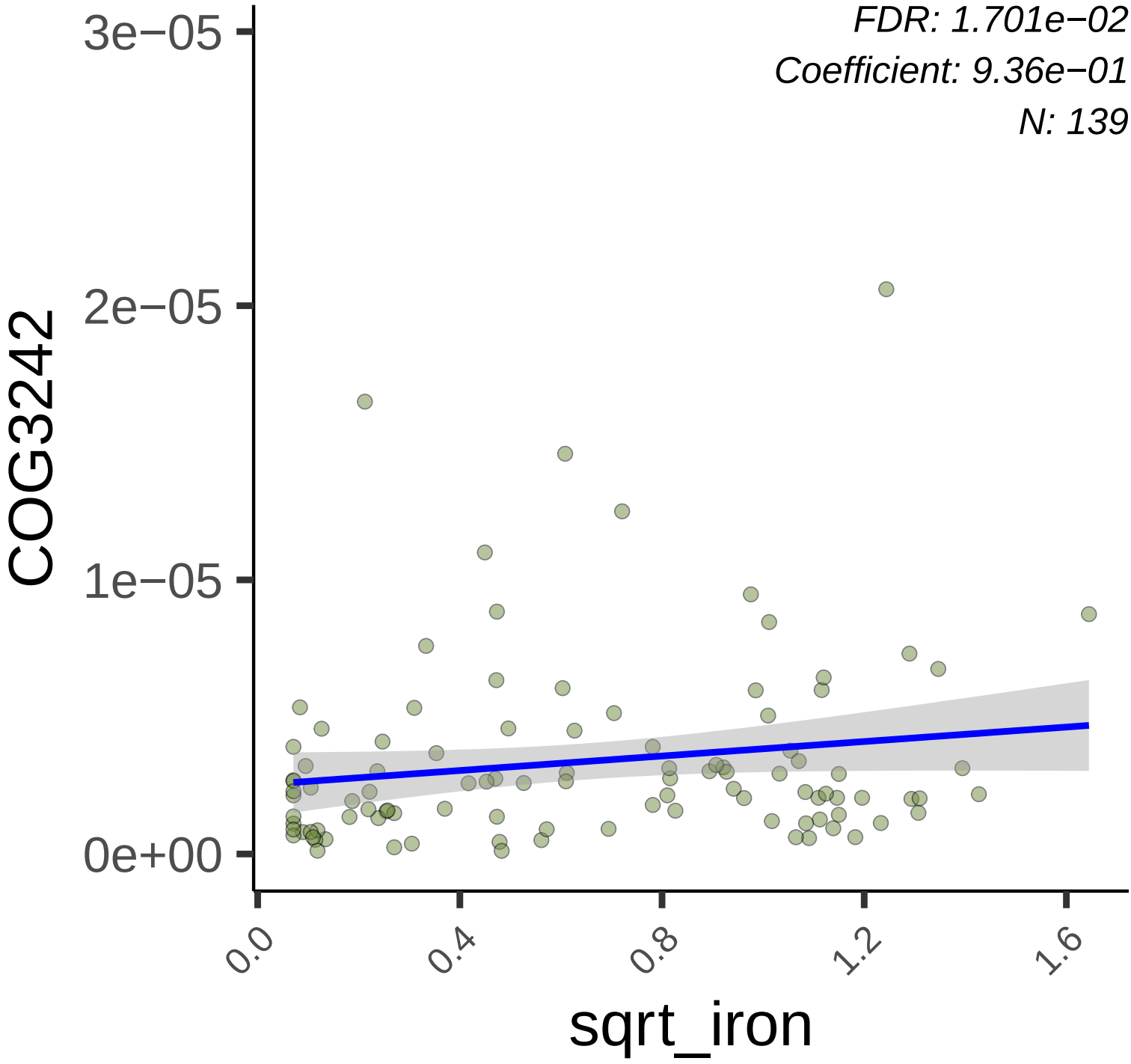
3e−04
2e−04
COG1596
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.701e−02
Coefficient: 9.36e−01
N: 139
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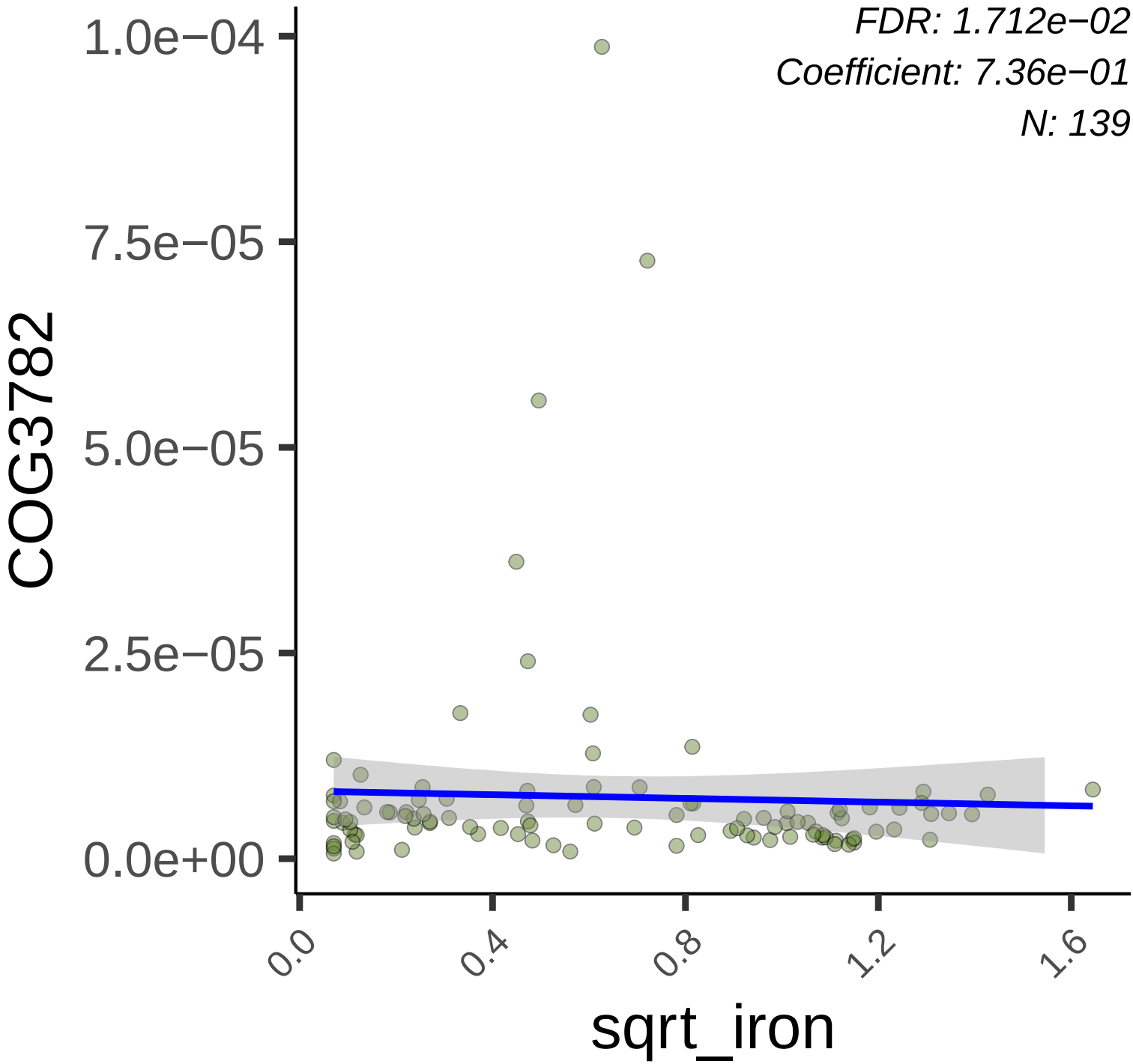
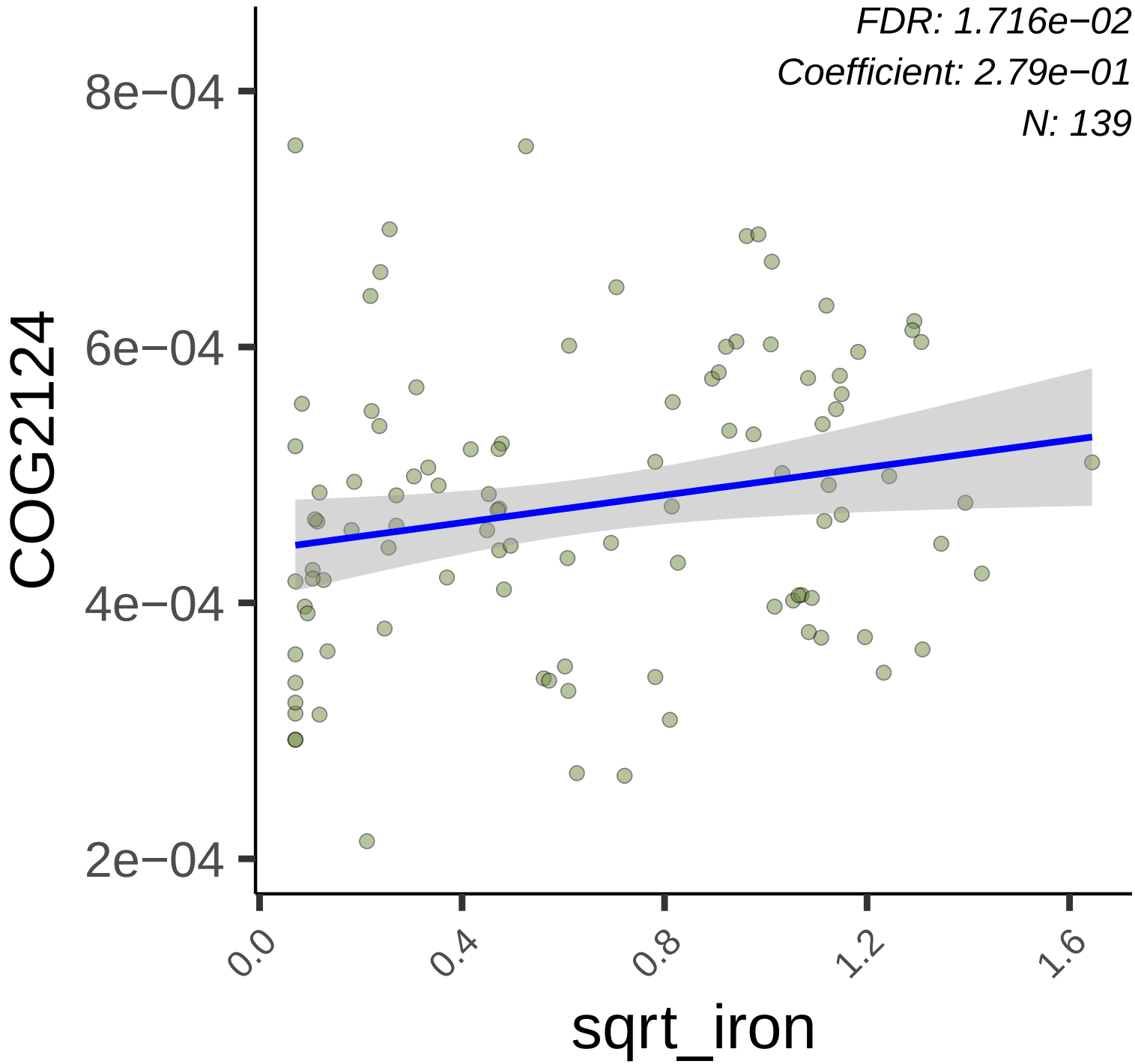
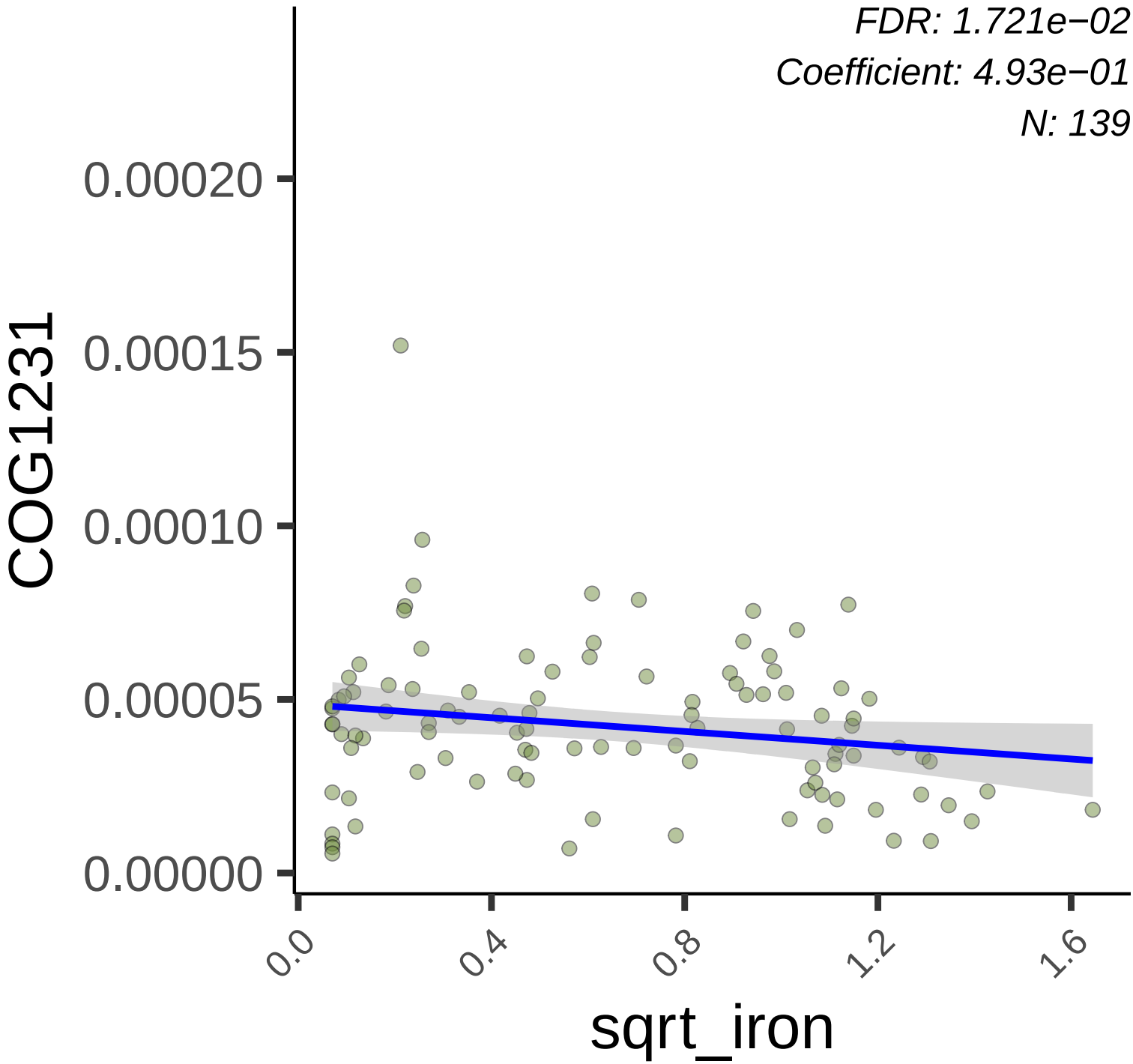
1e−05
0e+00
COG3242
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.712e−02
Coefficient: 7.36e−01
N: 139
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG3782
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.716e−02
Coefficient: 2.79e−01
N: 139
8e−04
6e−04
4e−04
2e−04
COG2124
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.721e−02
Coefficient: 4.93e−01
N: 139
COG1231
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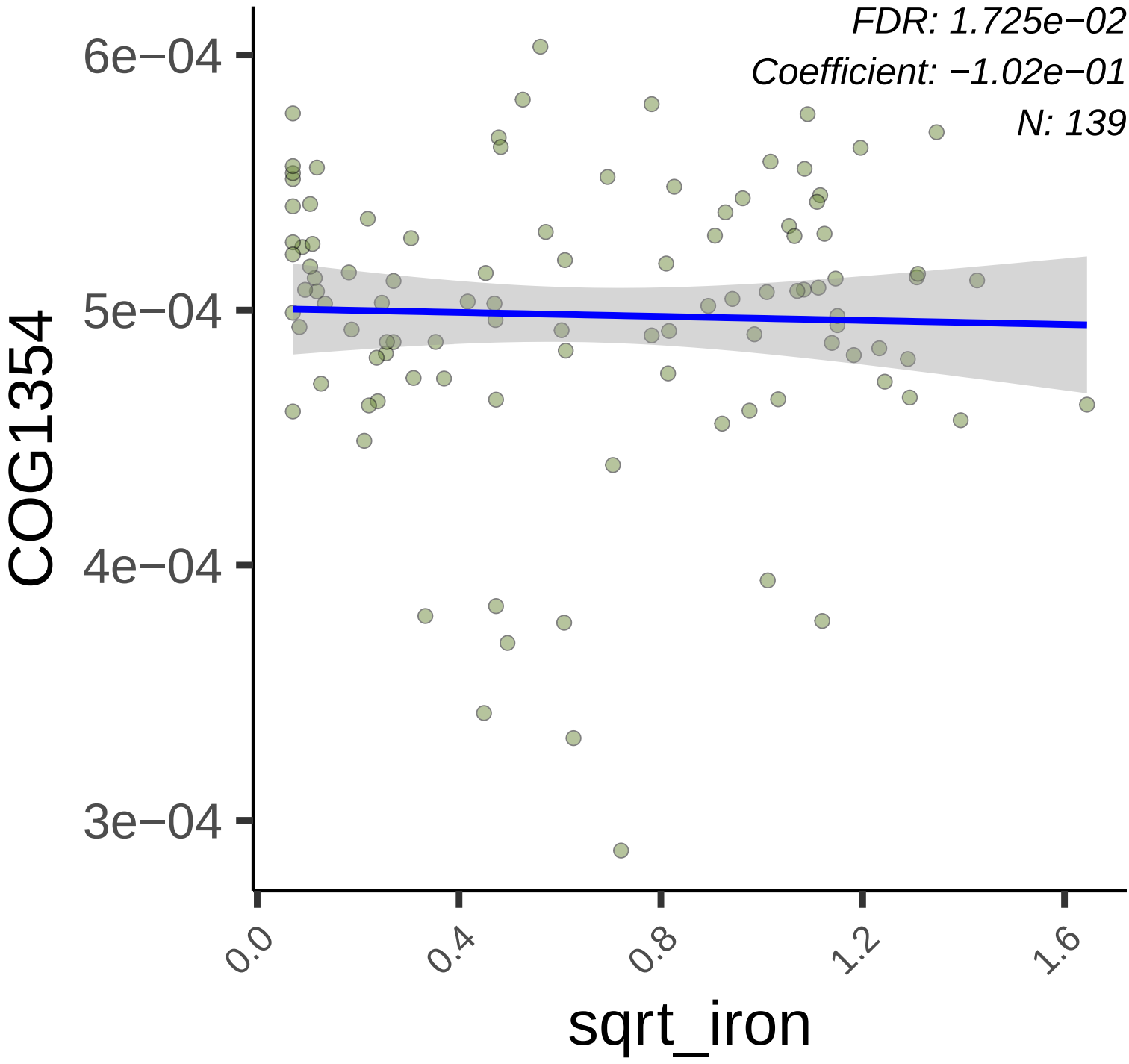
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.725e−02
Coefficient: −1.02e−01
N: 139
6e−04
5e−04
4e−04
3e−04
COG1354
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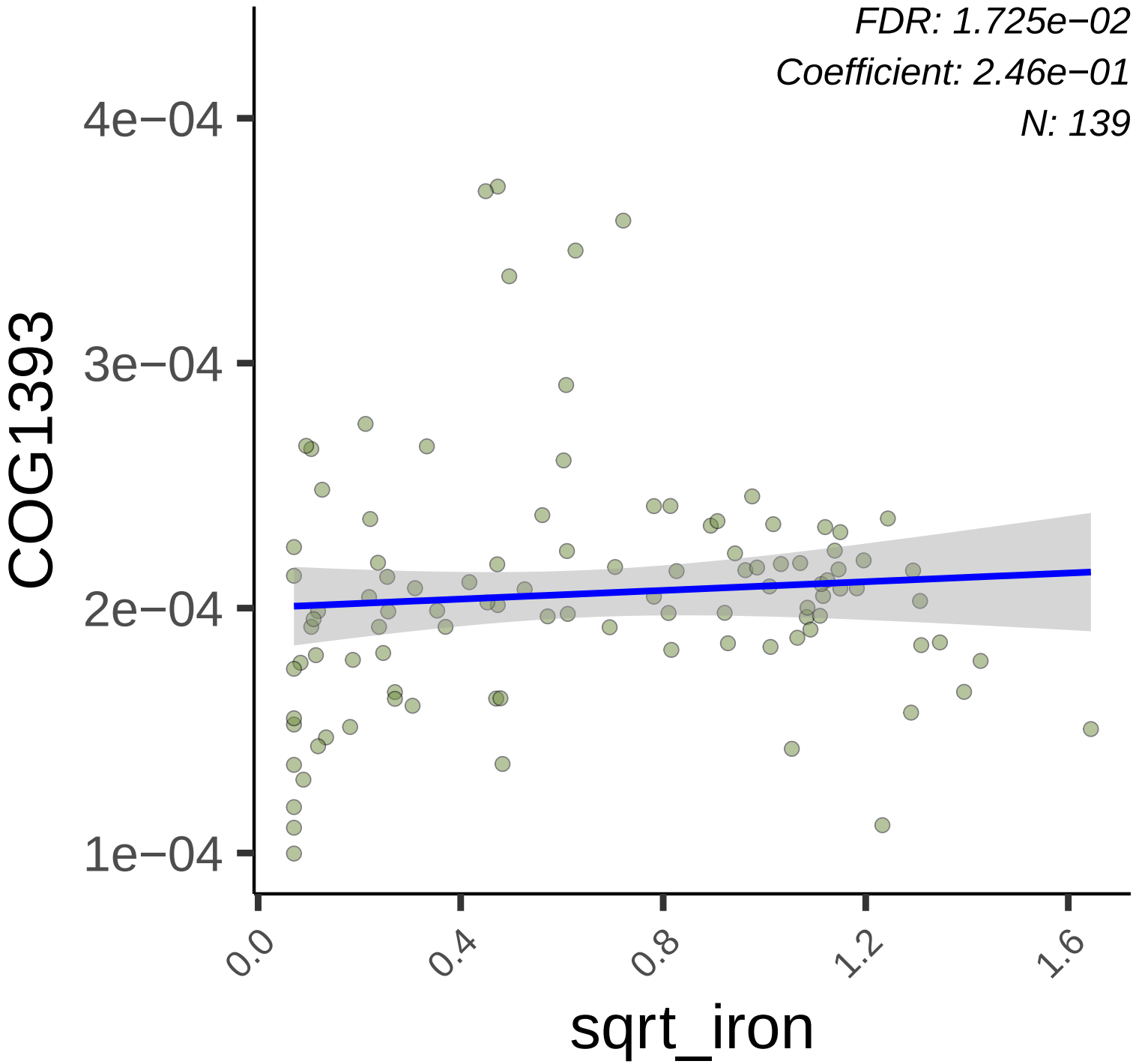
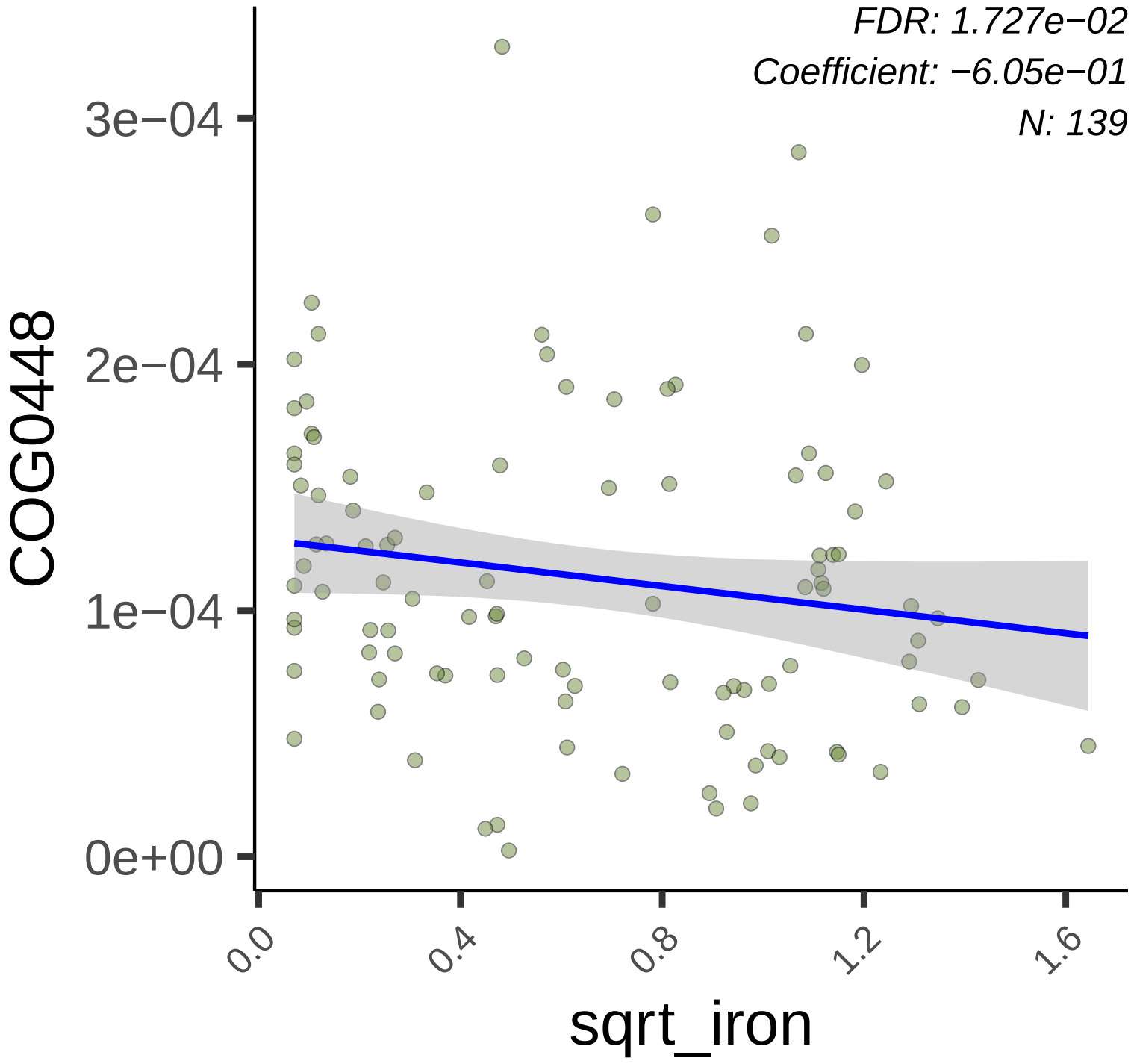
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.725e−02
Coefficient: 2.46e−01
N: 139
4e−04
3e−04
2e−04
1e−04
COG1393
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.727e−02
Coefficient: −6.05e−01
N: 139
COG0448
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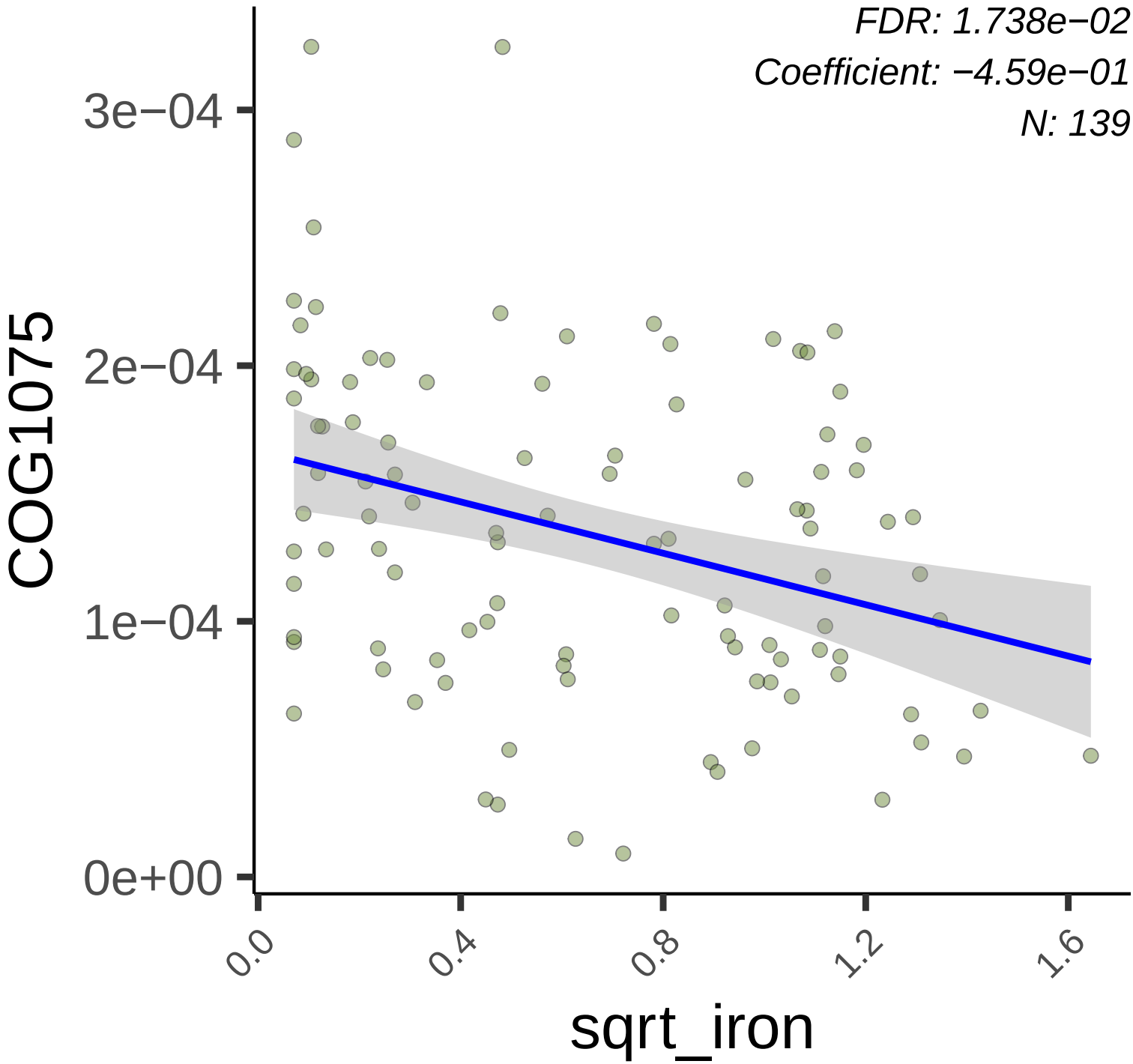
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.738e−02
Coefficient: −4.59e−01
N: 139
COG1075
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2e−04
1e−04
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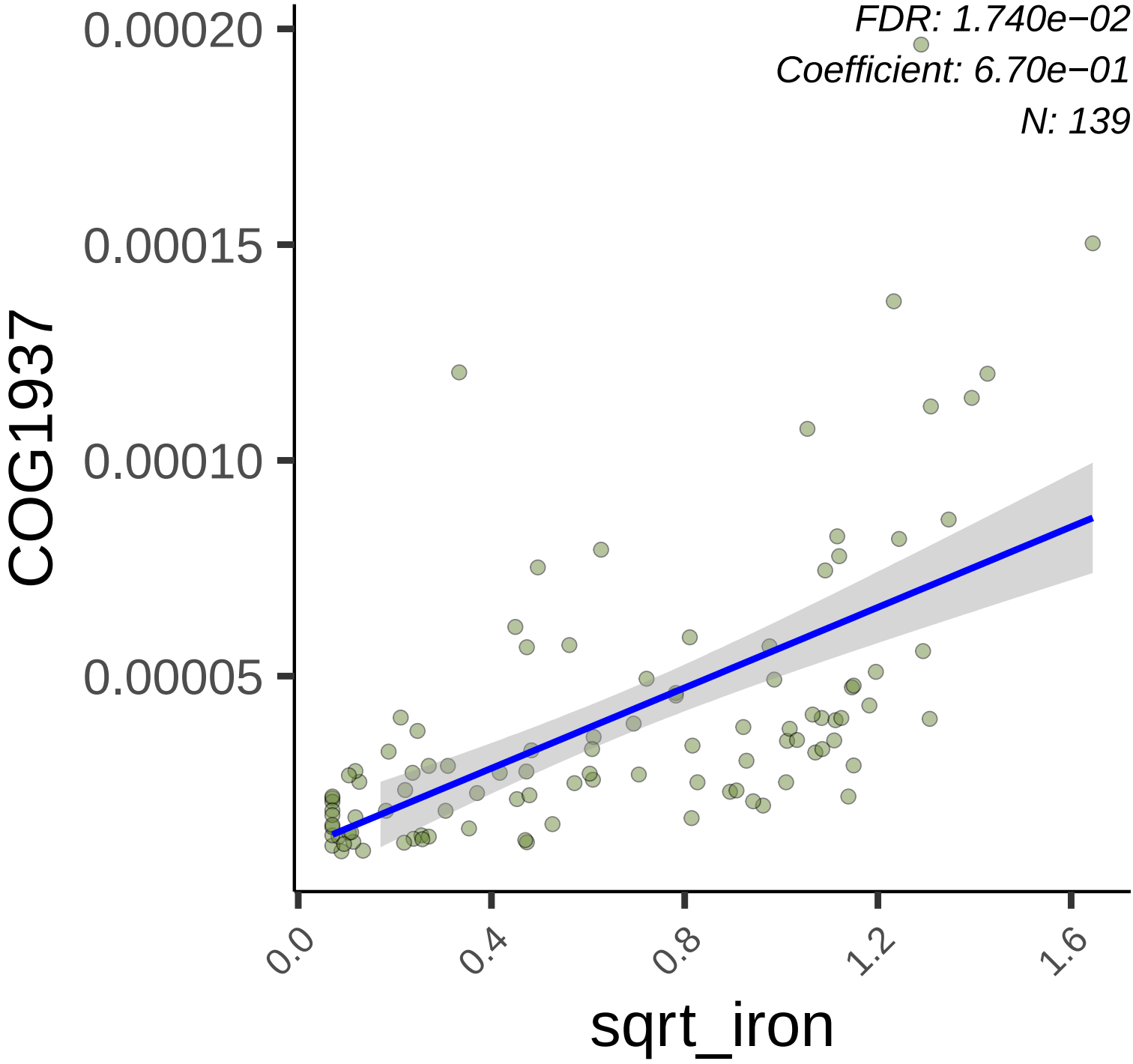
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.740e−02
Coefficient: 6.70e−01
N: 139
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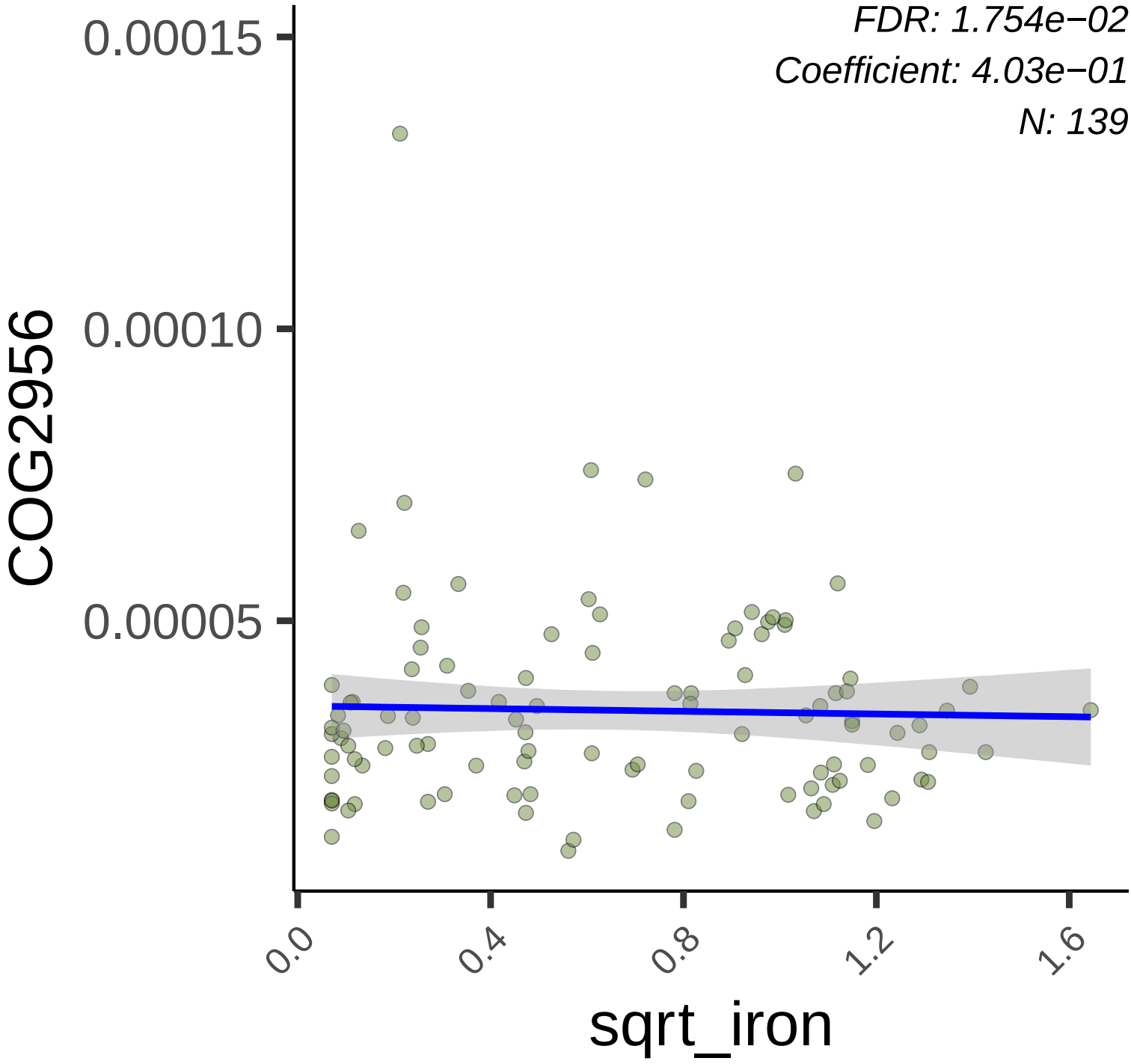
0.00010
0.00005
COG1937
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.754e−02
Coefficient: 4.03e−01
N: 139
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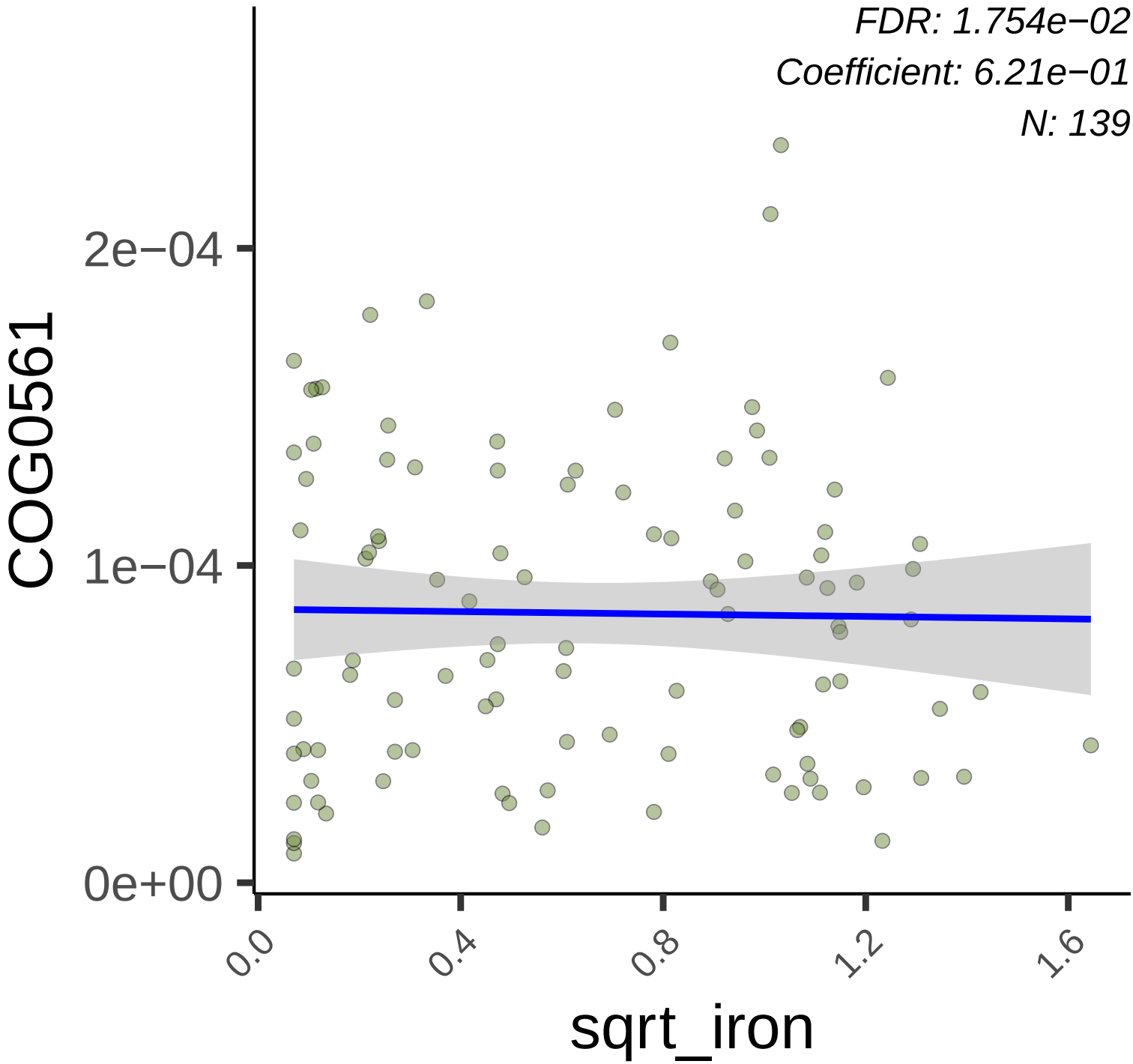
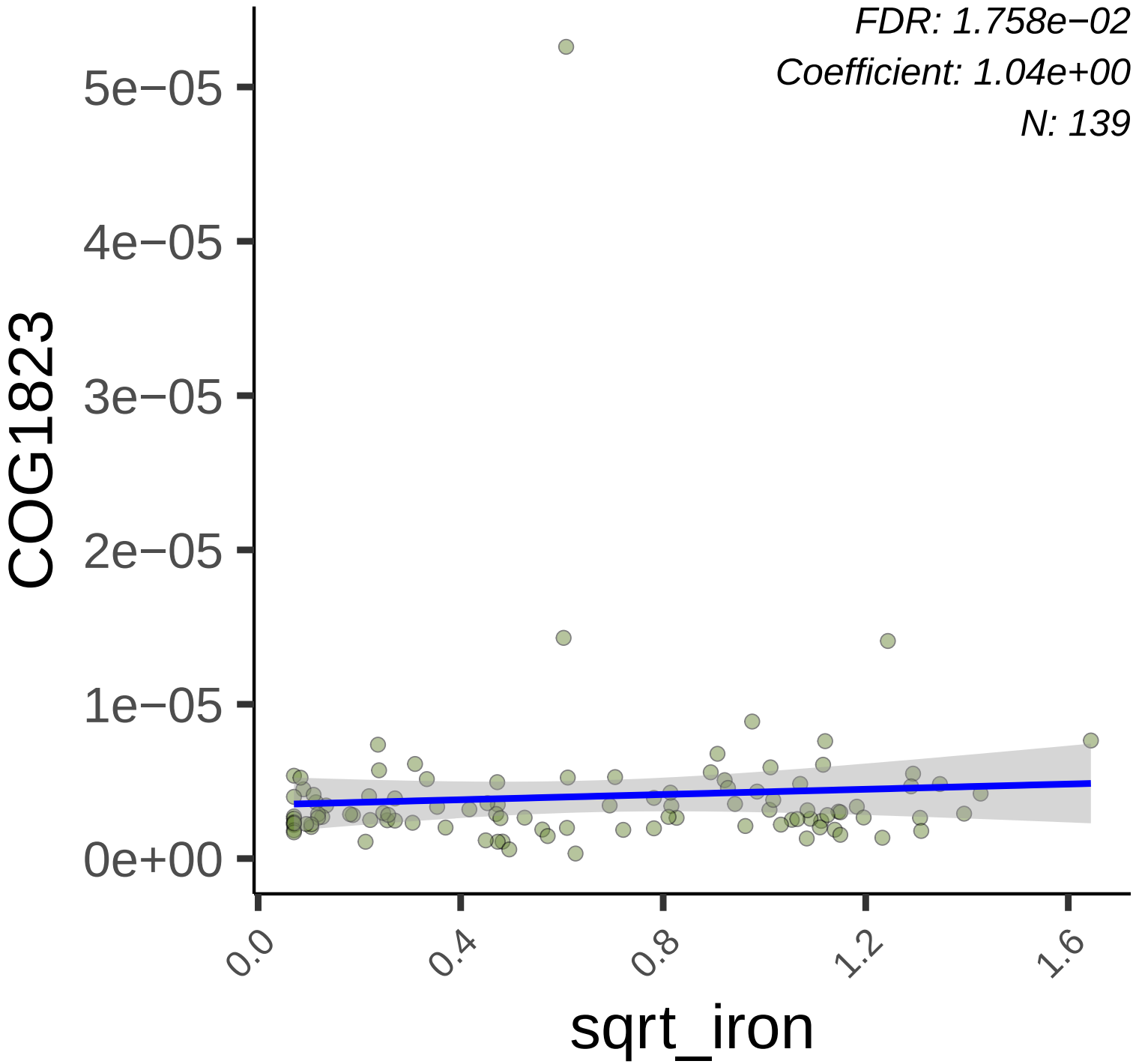
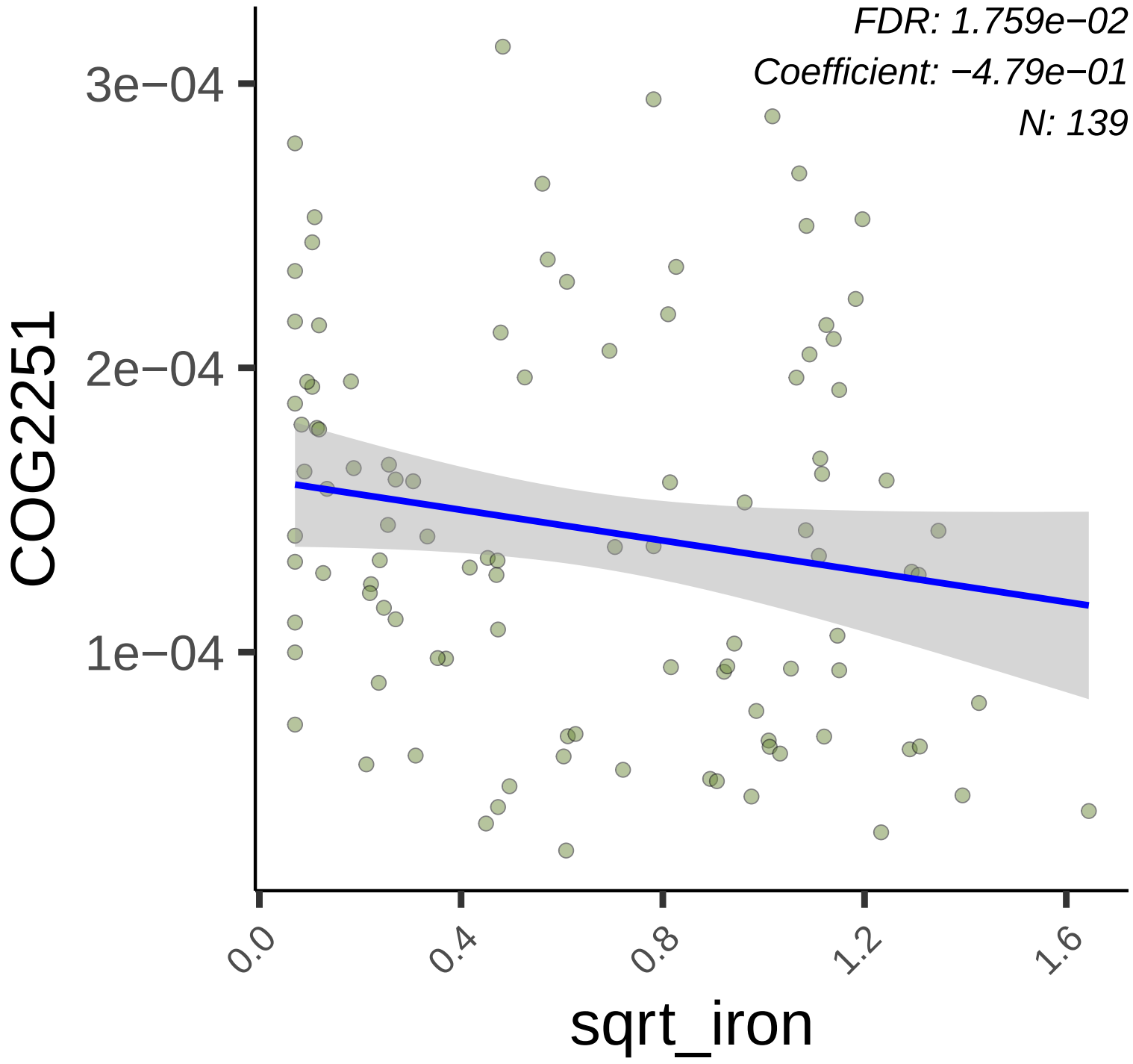
0.00010
0.00005
COG2956
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.754e−02
Coefficient: 6.21e−01
N: 139
COG0561
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.758e−02
Coefficient: 1.04e+00
N: 139
COG1823
5e−05
4e−05
3e−05
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.759e−02
Coefficient: −4.79e−01
N: 139
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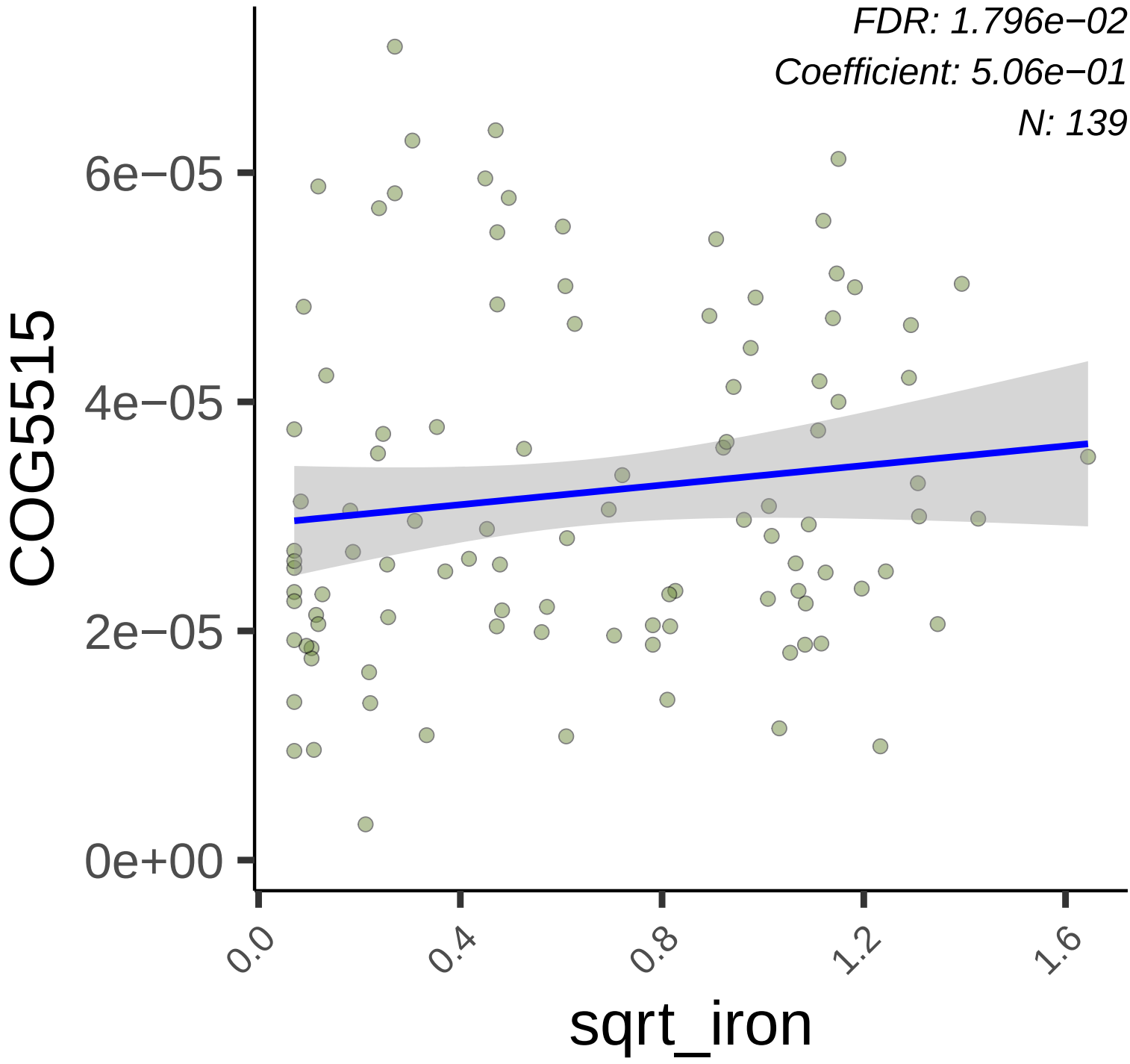
2e−04
1e−04
COG2251
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.796e−02
Coefficient: 5.06e−01
N: 139
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4e−05
2e−05
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0.4
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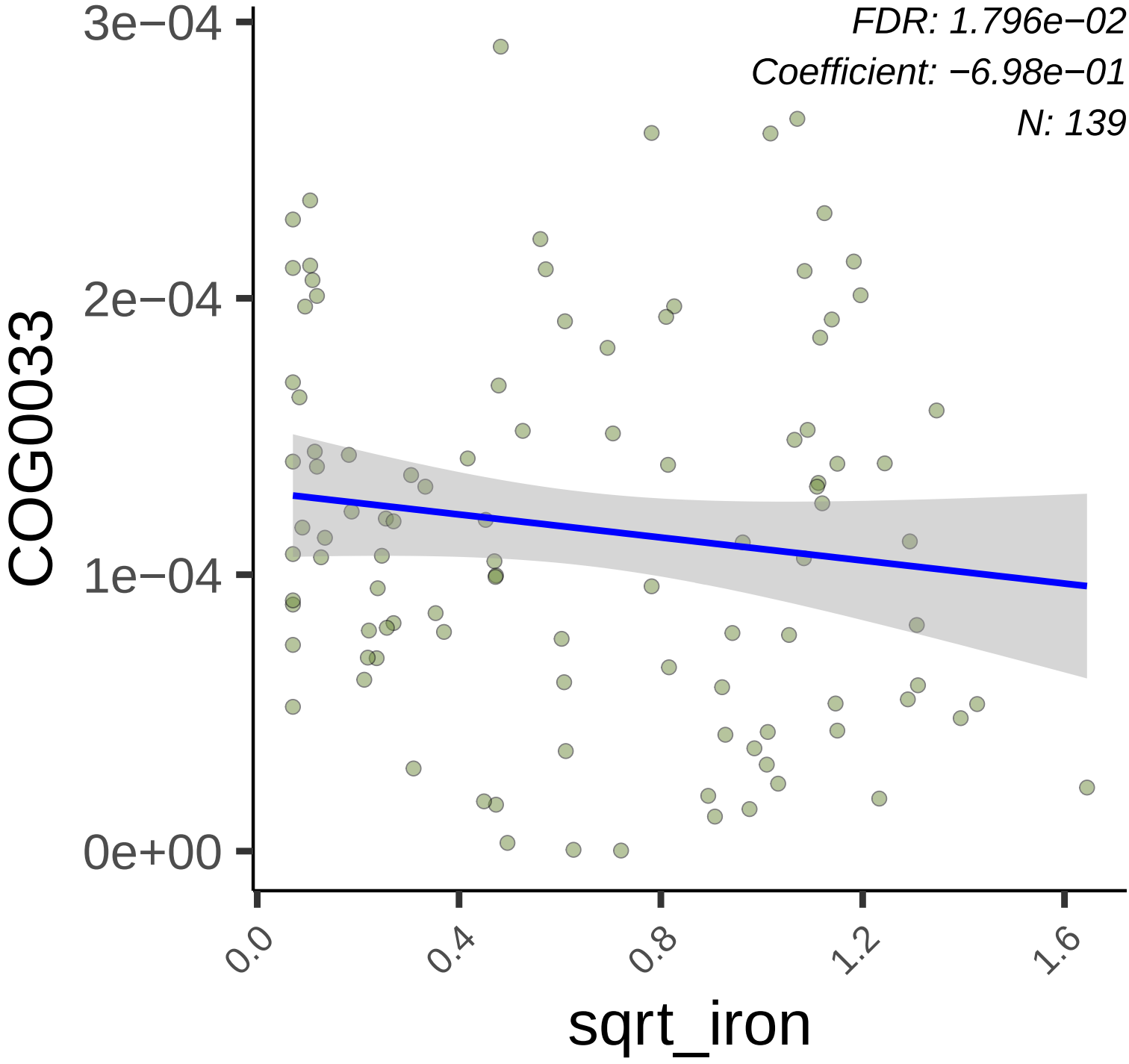
1.2
1.6
sqrt_iron


FDR: 1.796e−02
Coefficient: −6.98e−01
N: 139
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2e−04
1e−04
0e+00
COG0033
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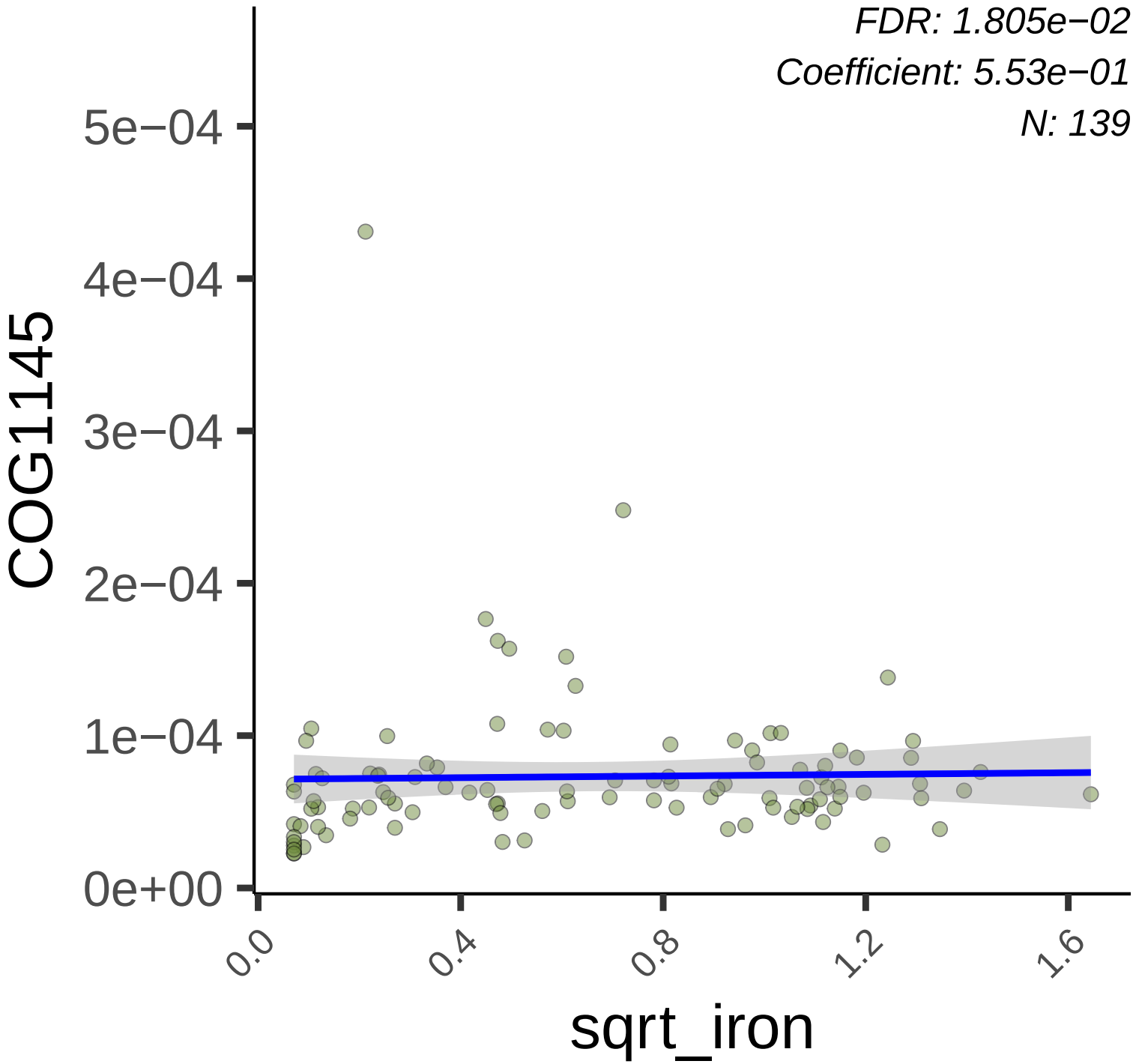
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.805e−02
Coefficient: 5.53e−01
N: 139
COG1145
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4e−04
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2e−04
1e−04
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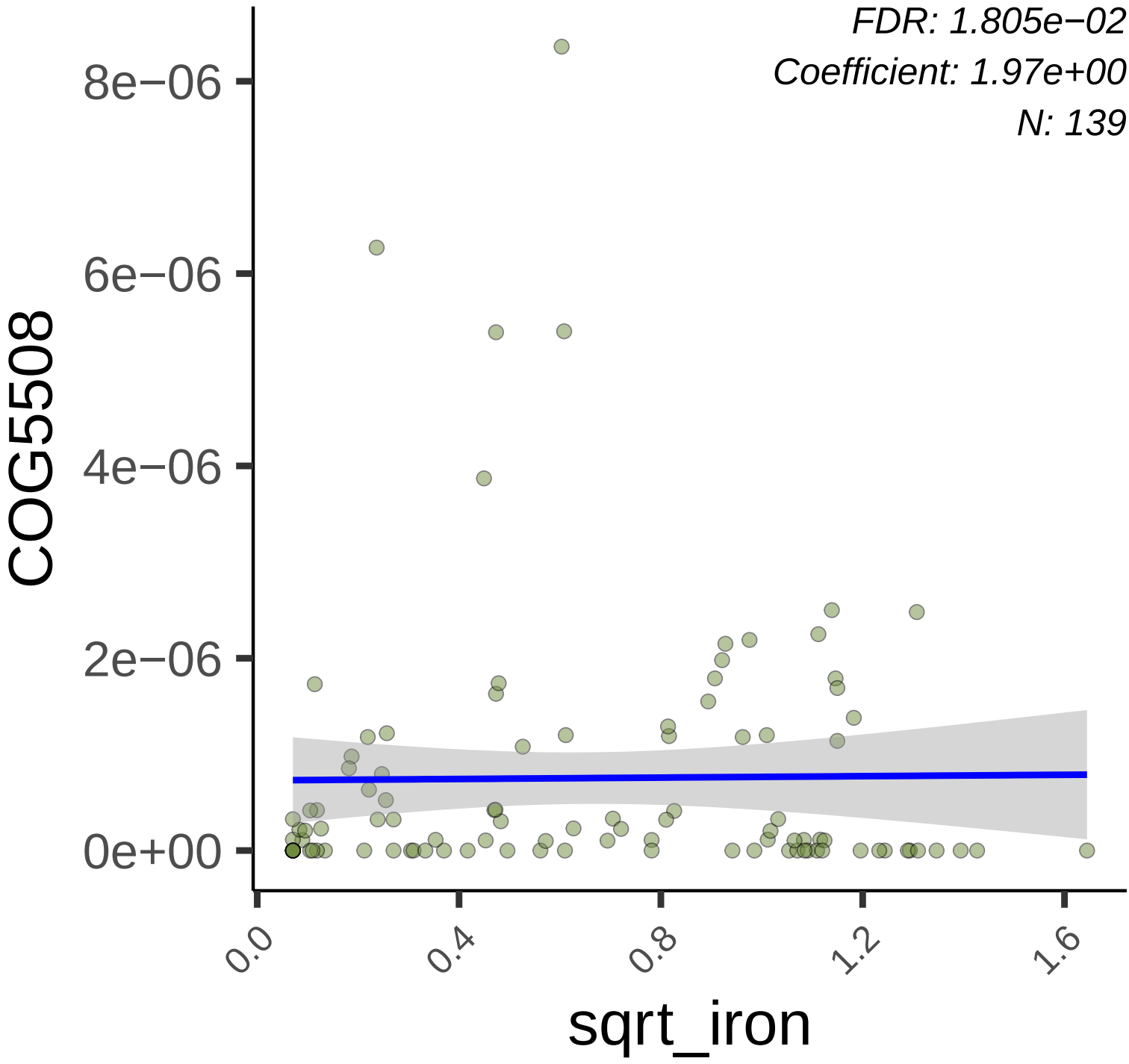
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.805e−02
Coefficient: 1.97e+00
N: 139
COG5508
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2e−06
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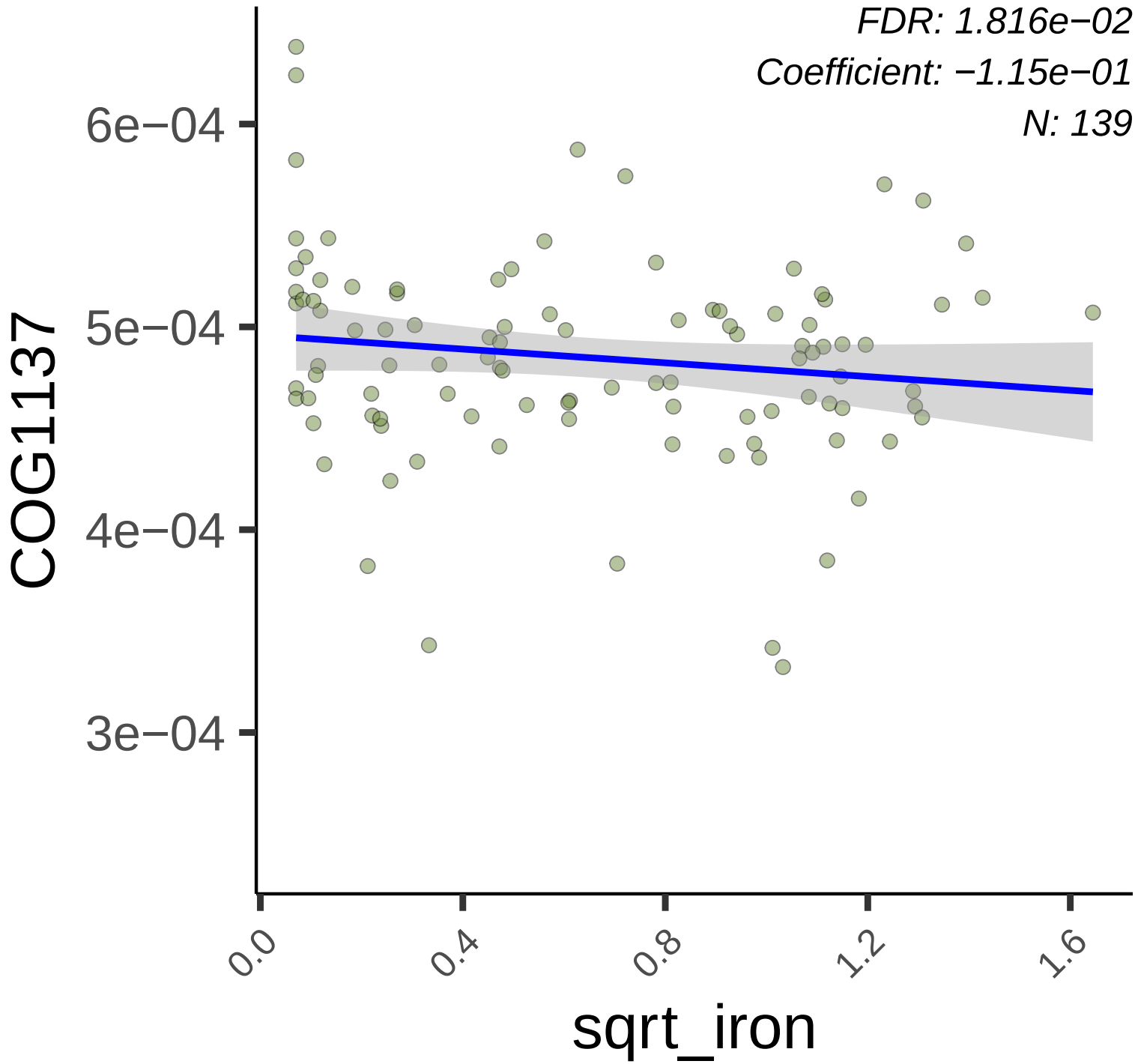
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.816e−02
Coefficient: −1.15e−01
N: 139
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4e−04
3e−04
COG1137
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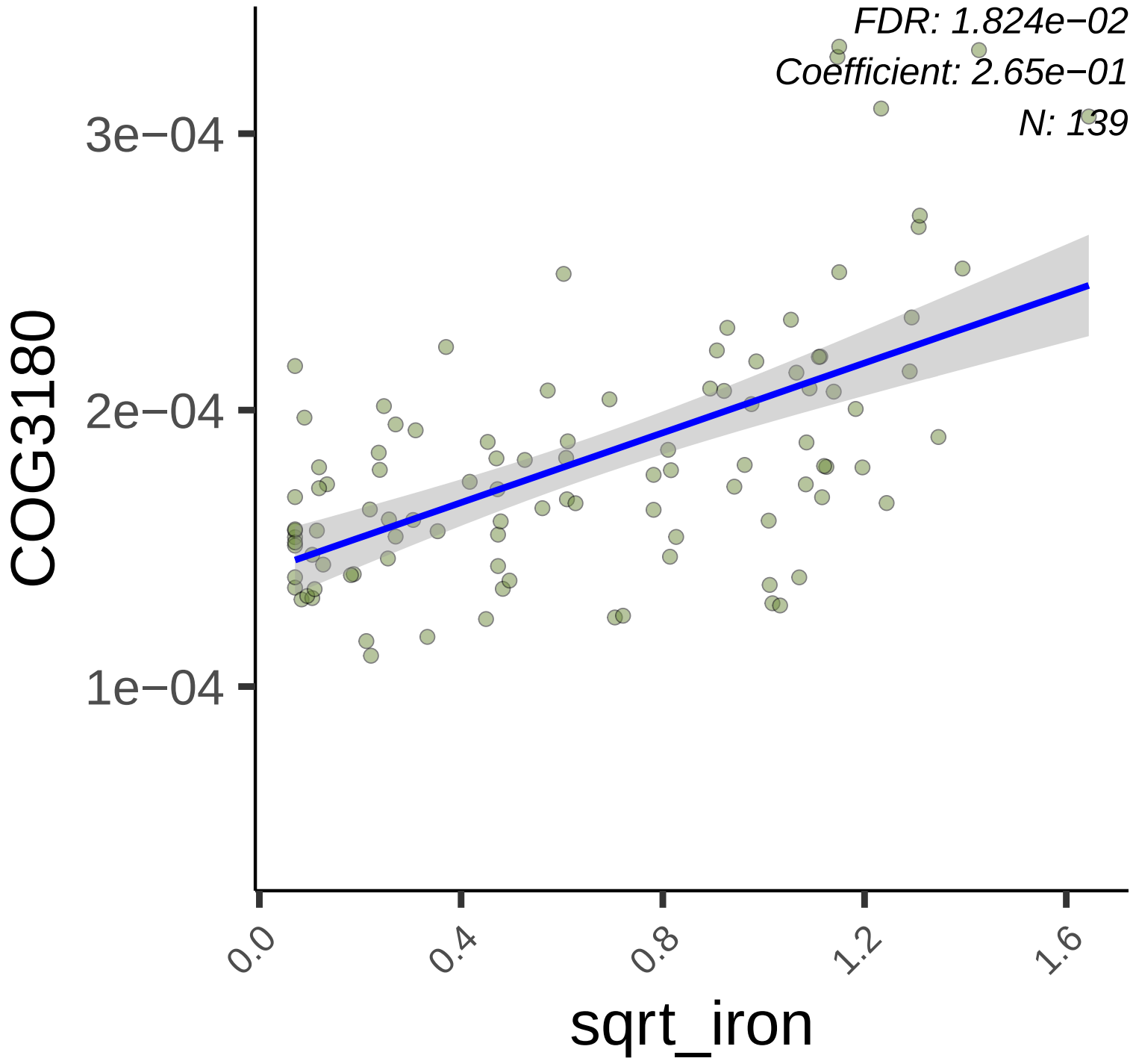
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.824e−02
Coefficient: 2.65e−01
N: 139
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2e−04
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COG3180
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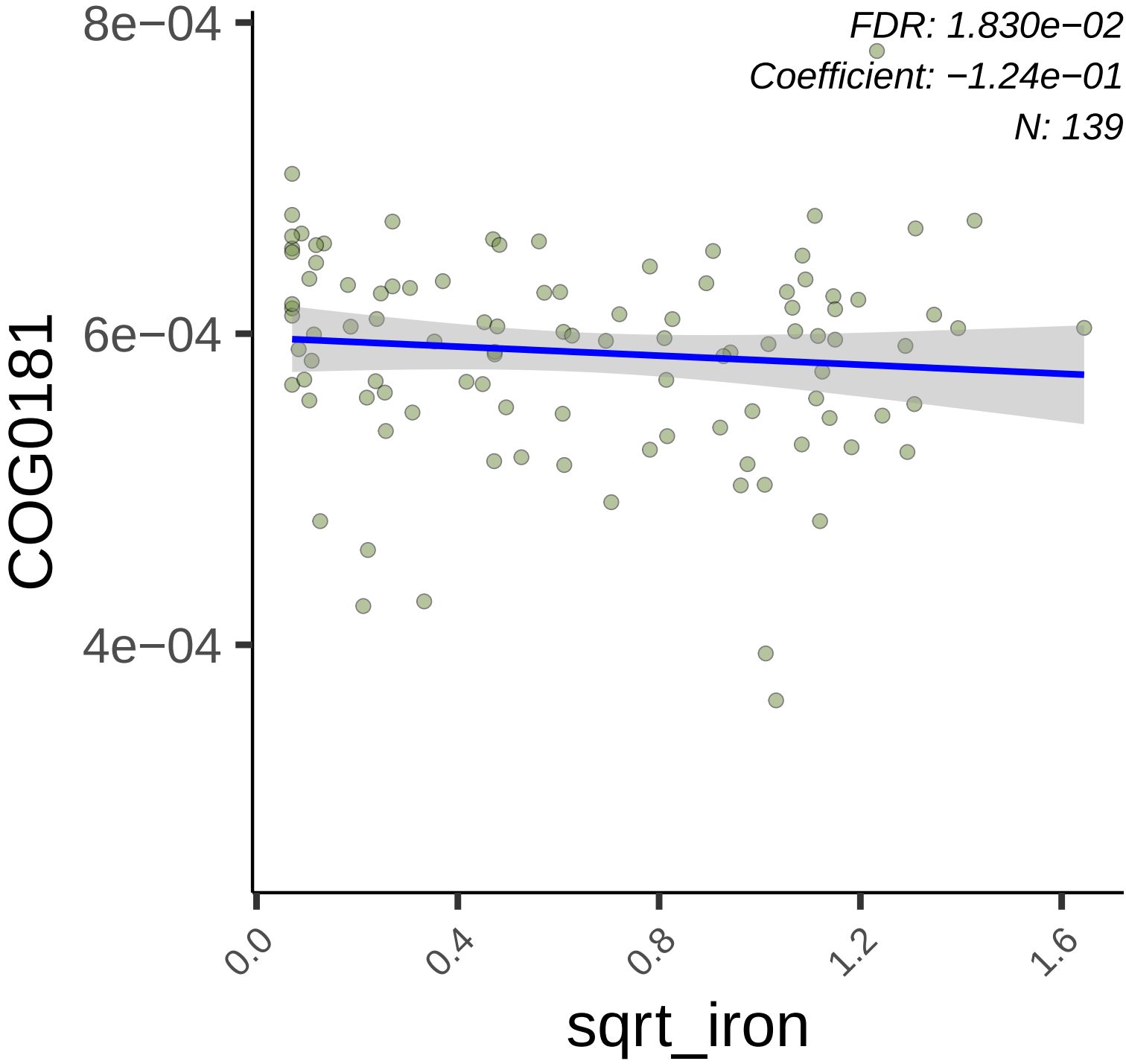
1.2
1.6
sqrt_iron


FDR: 1.830e−02
Coefficient: −1.24e−01
N: 139
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6e−04
4e−04
COG0181
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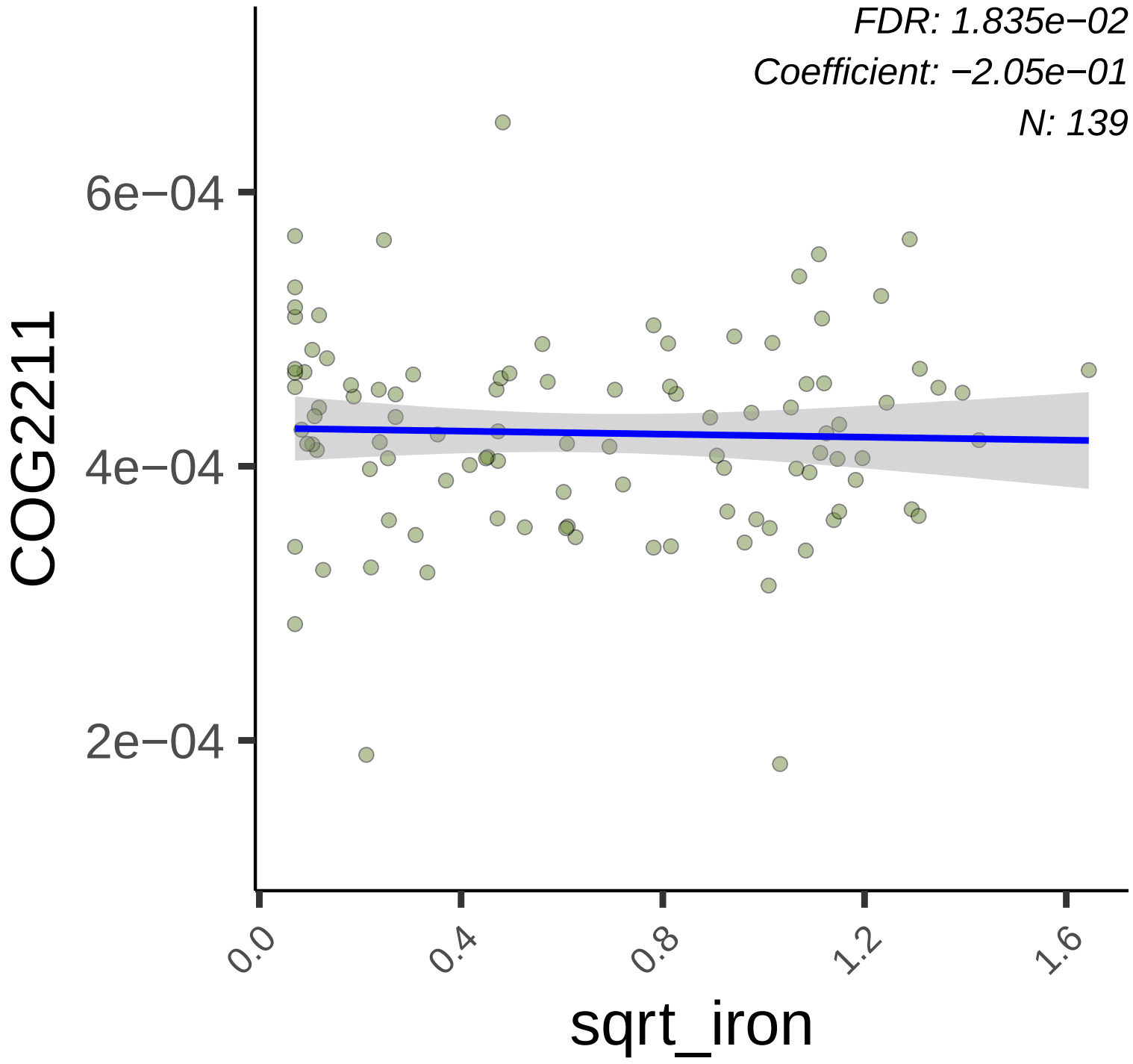
1.2
1.6
sqrt_iron


FDR: 1.835e−02
Coefficient: −2.05e−01
N: 139
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4e−04
2e−04
COG2211
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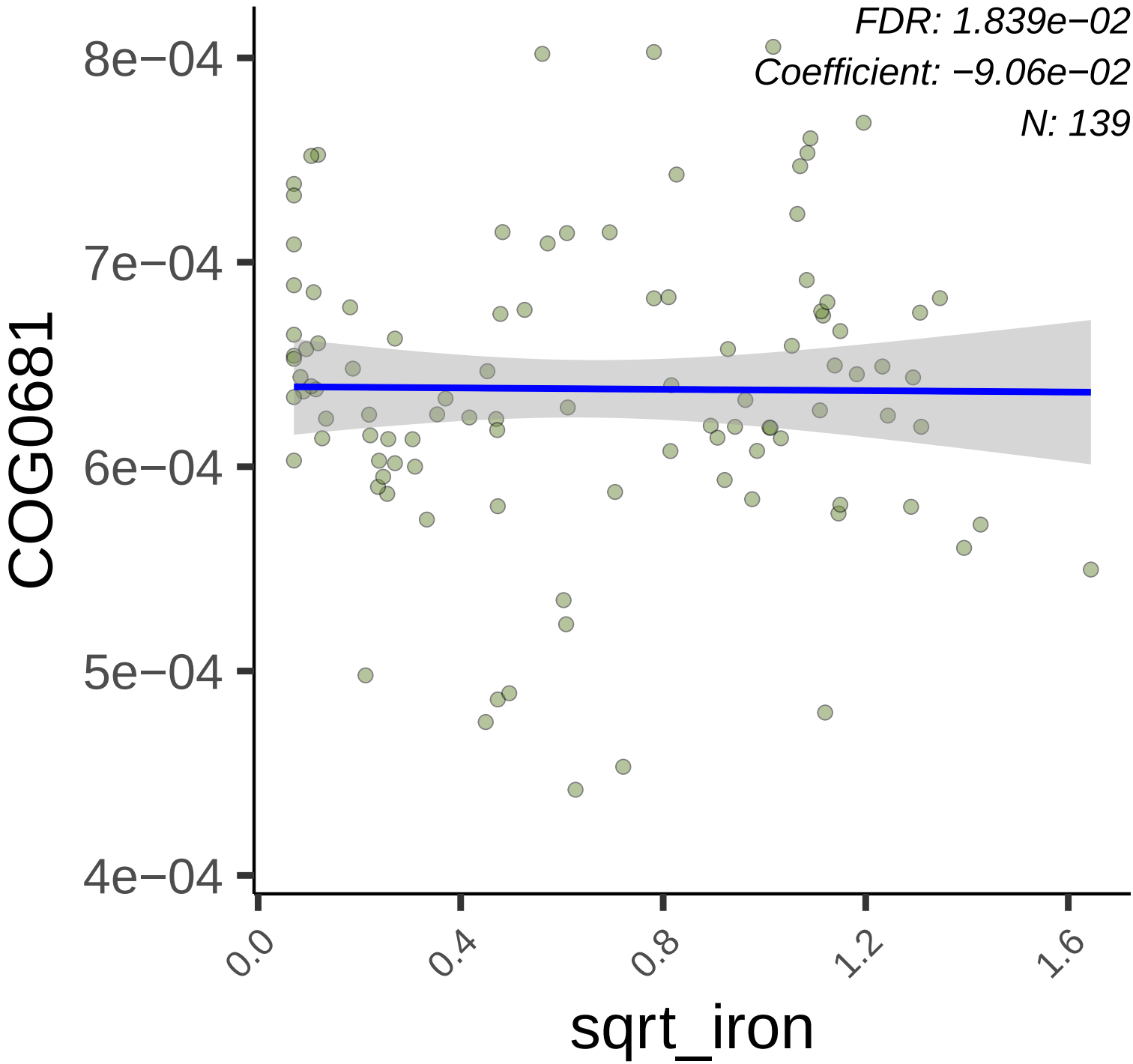
1.6
sqrt_iron


FDR: 1.839e−02
Coefficient: −9.06e−02
N: 139
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7e−04
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5e−04
4e−04
COG0681
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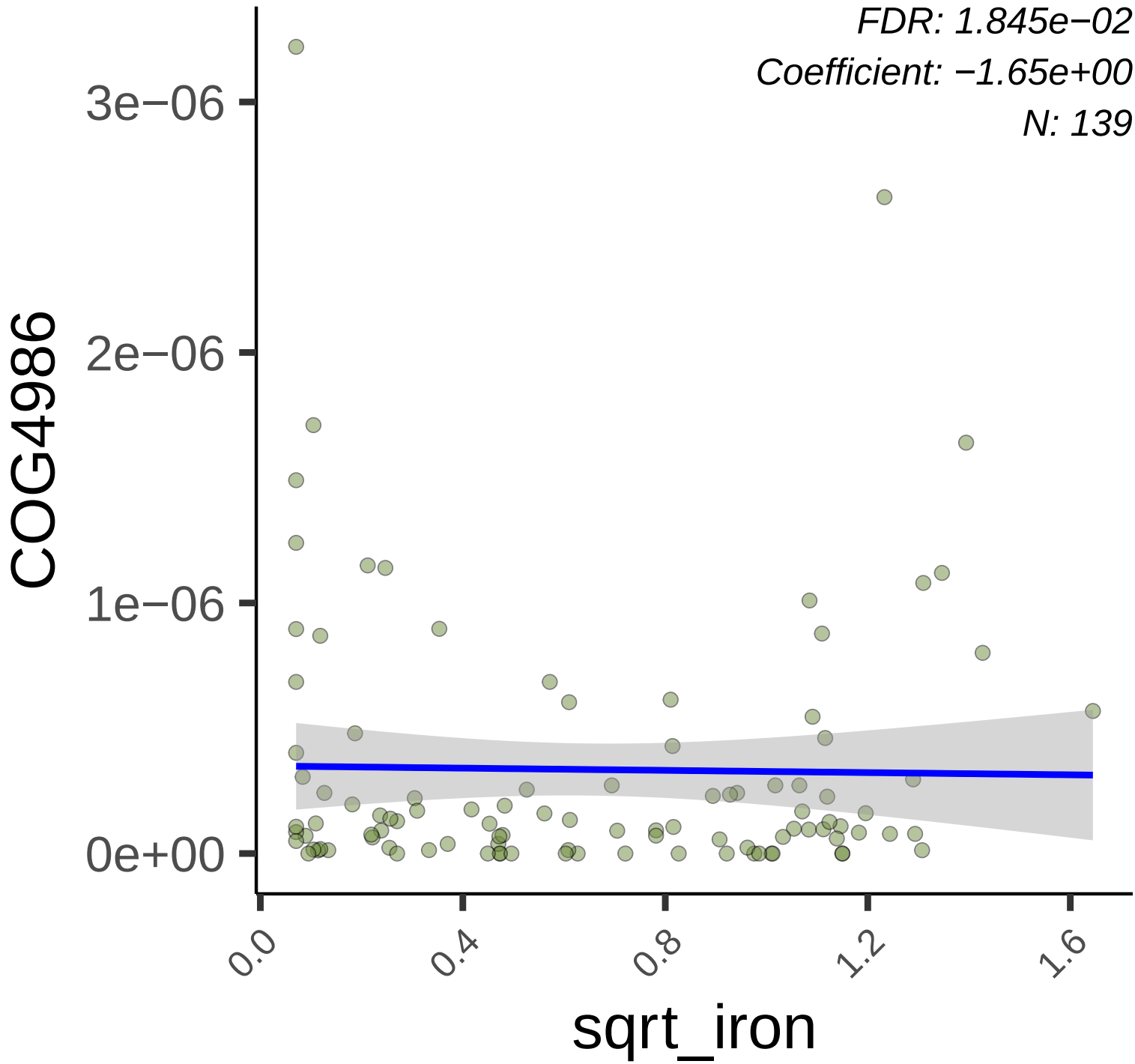
1.2
1.6
sqrt_iron


FDR: 1.845e−02
Coefficient: −1.65e+00
N: 139
COG4986
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1e−06
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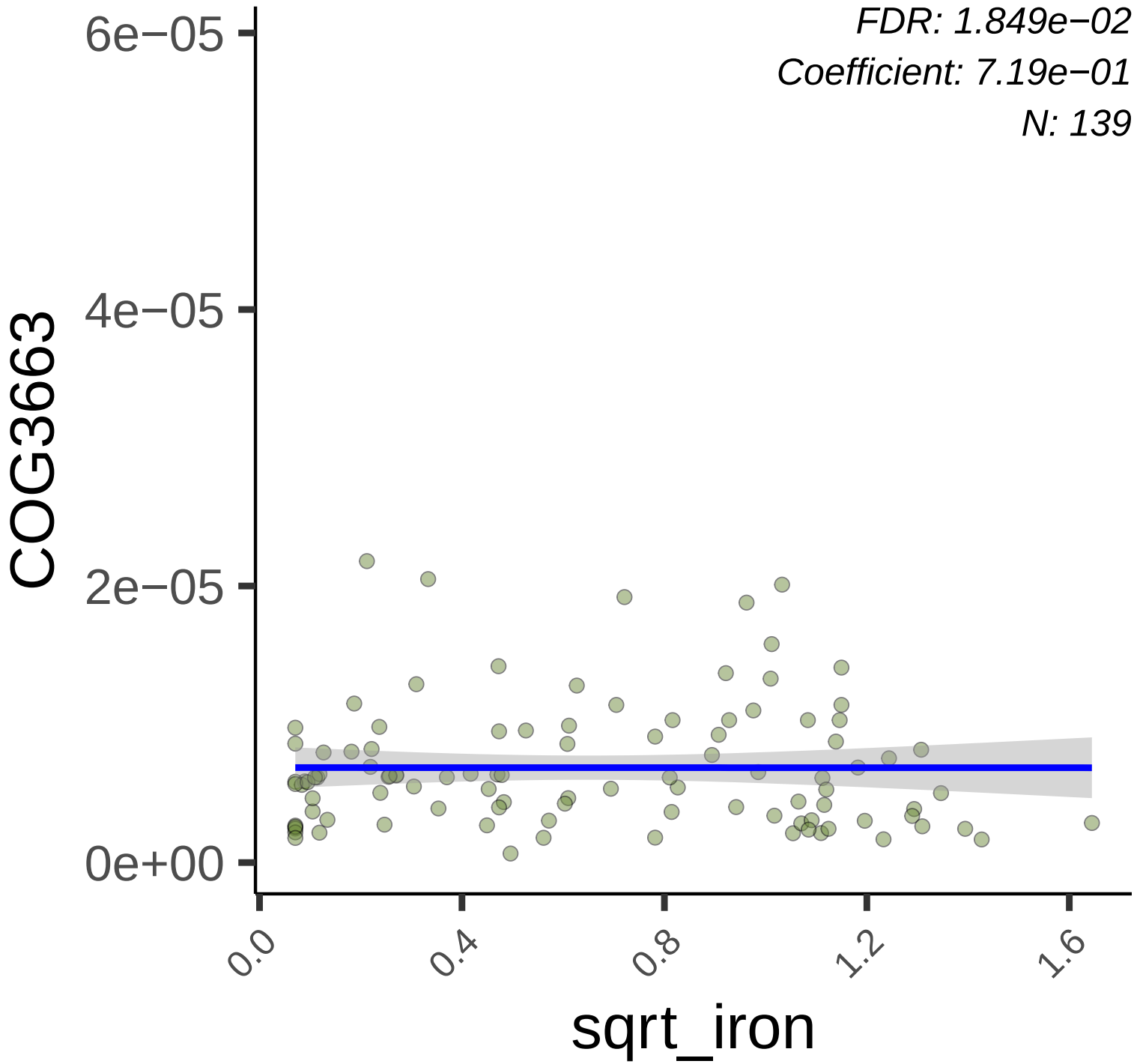
0.8
1.2
1.6
sqrt_iron


FDR: 1.849e−02
Coefficient: 7.19e−01
N: 139
COG3663
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4e−05
2e−05
0e+00
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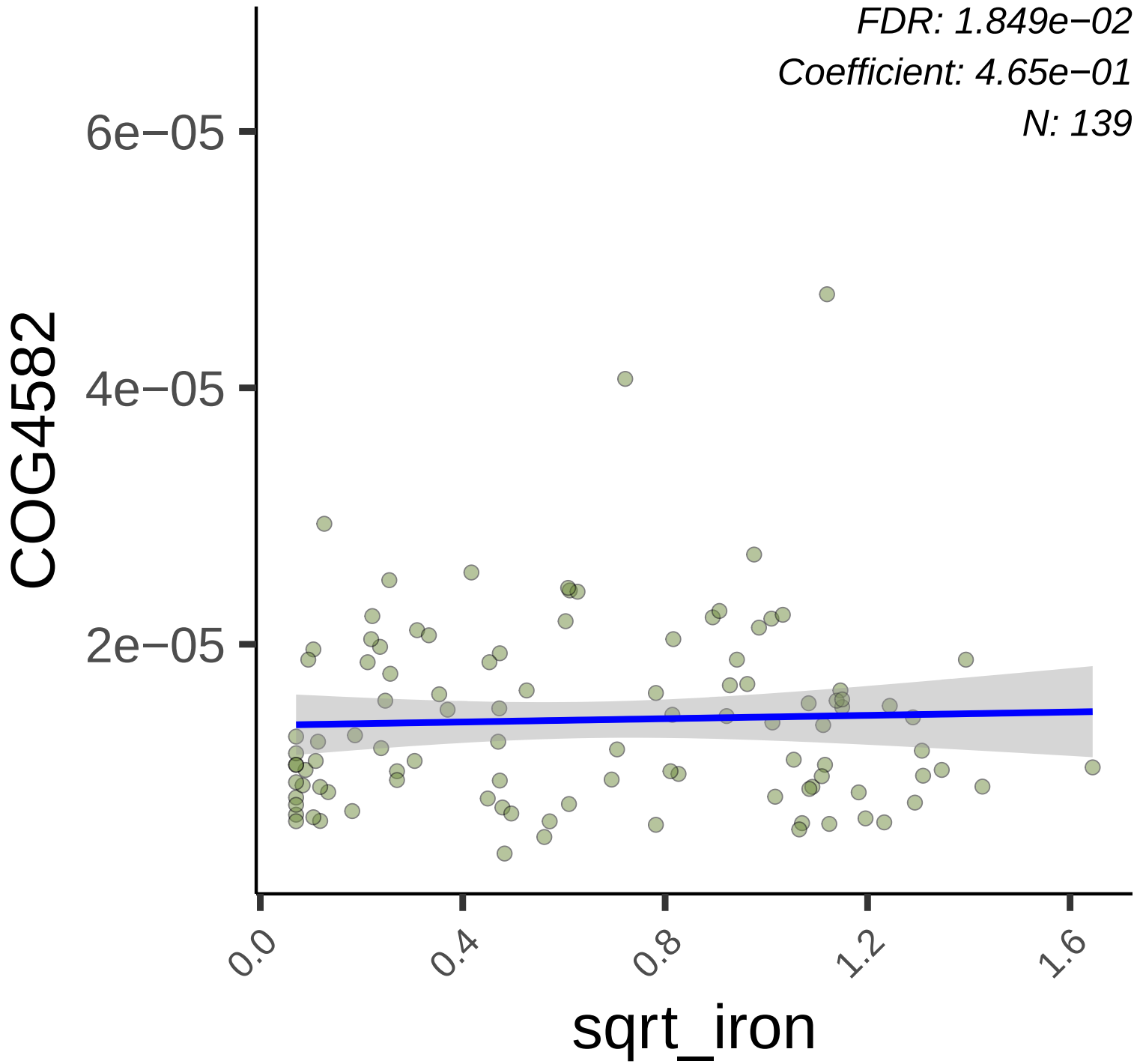
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.849e−02
Coefficient: 4.65e−01
N: 139
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4e−05
2e−05
COG4582
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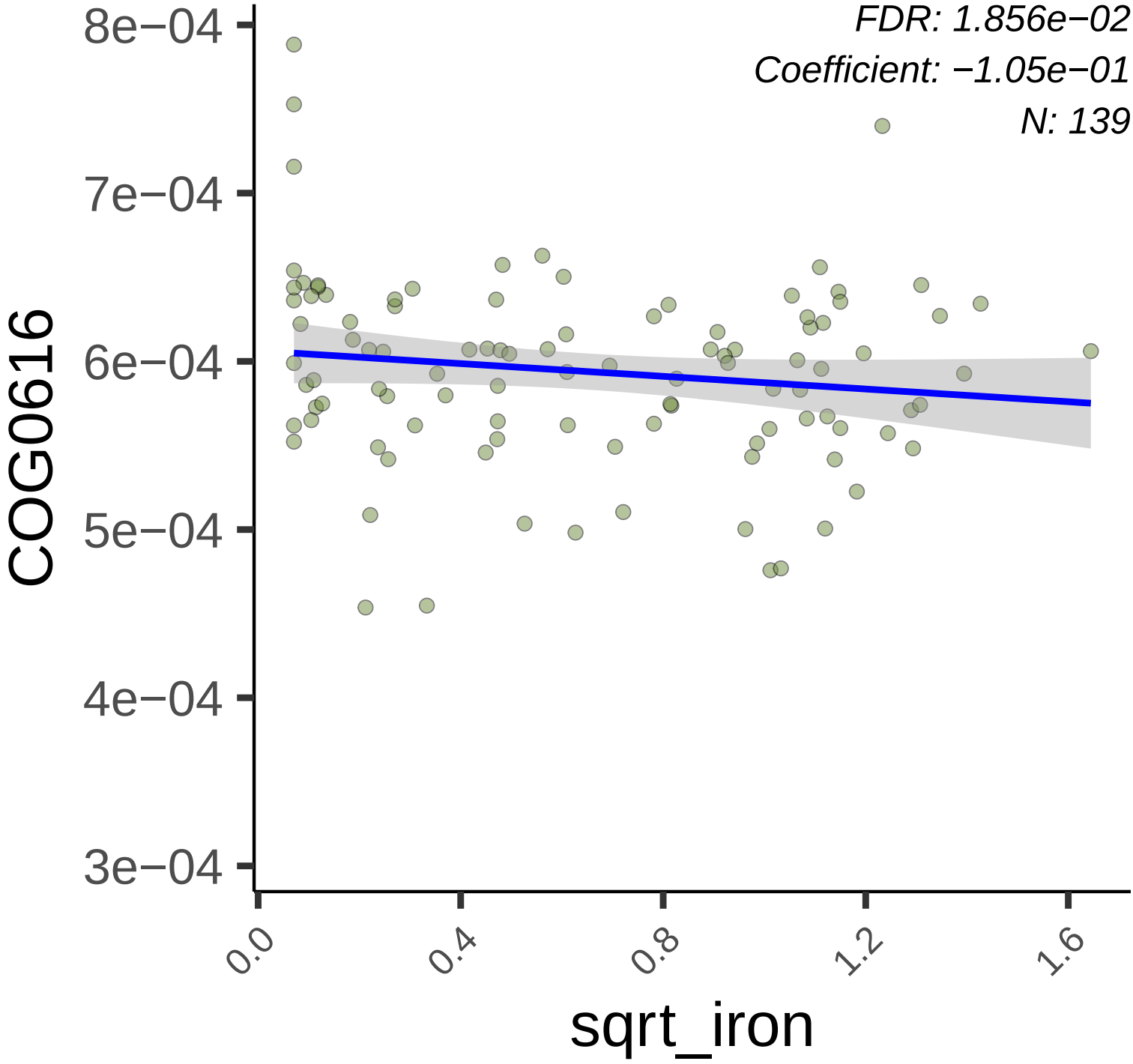
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.856e−02
Coefficient: −1.05e−01
N: 139
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7e−04
6e−04
5e−04
4e−04
3e−04
COG0616
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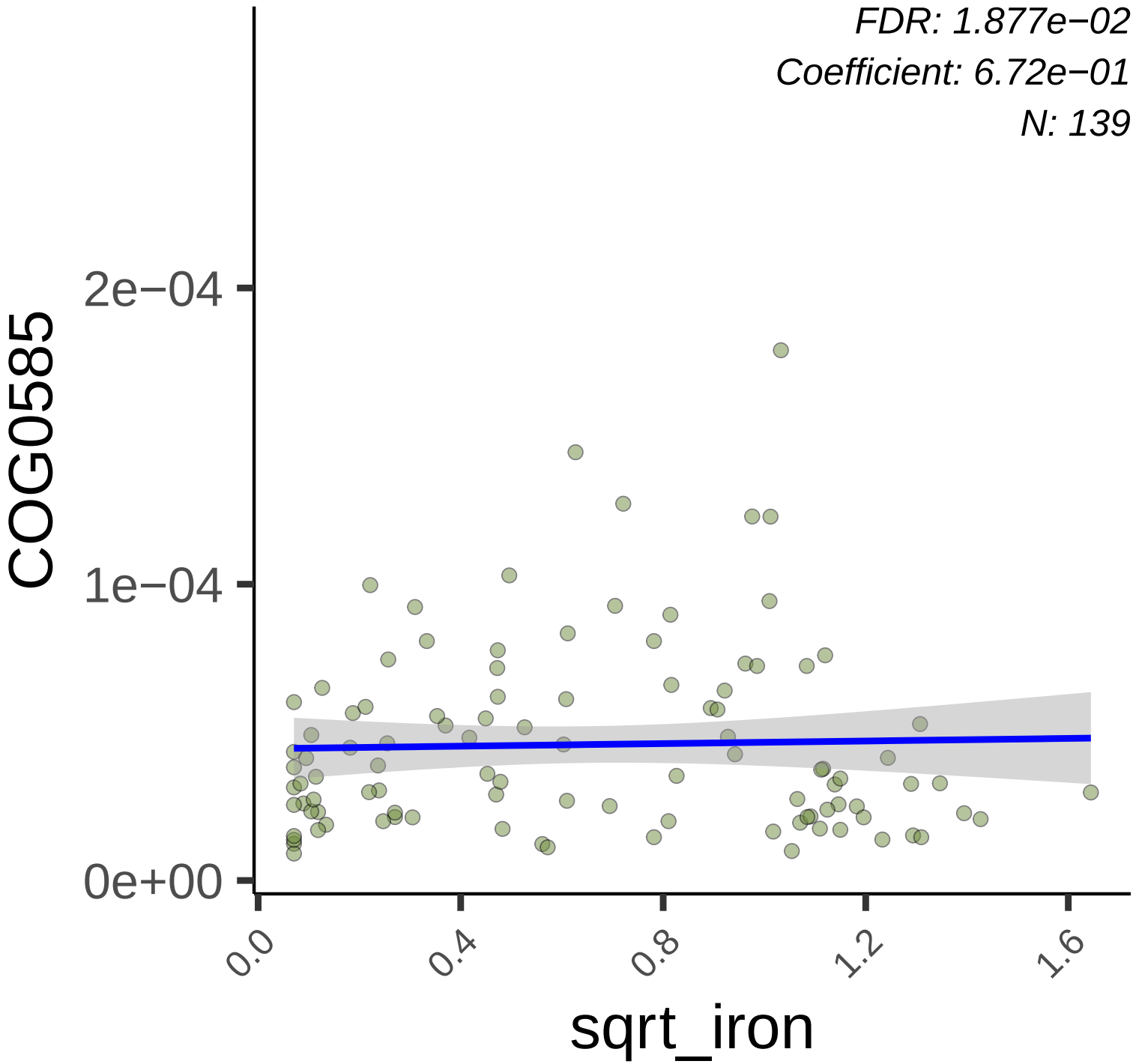
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.877e−02
Coefficient: 6.72e−01
N: 139
COG0585
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1e−04
0e+00
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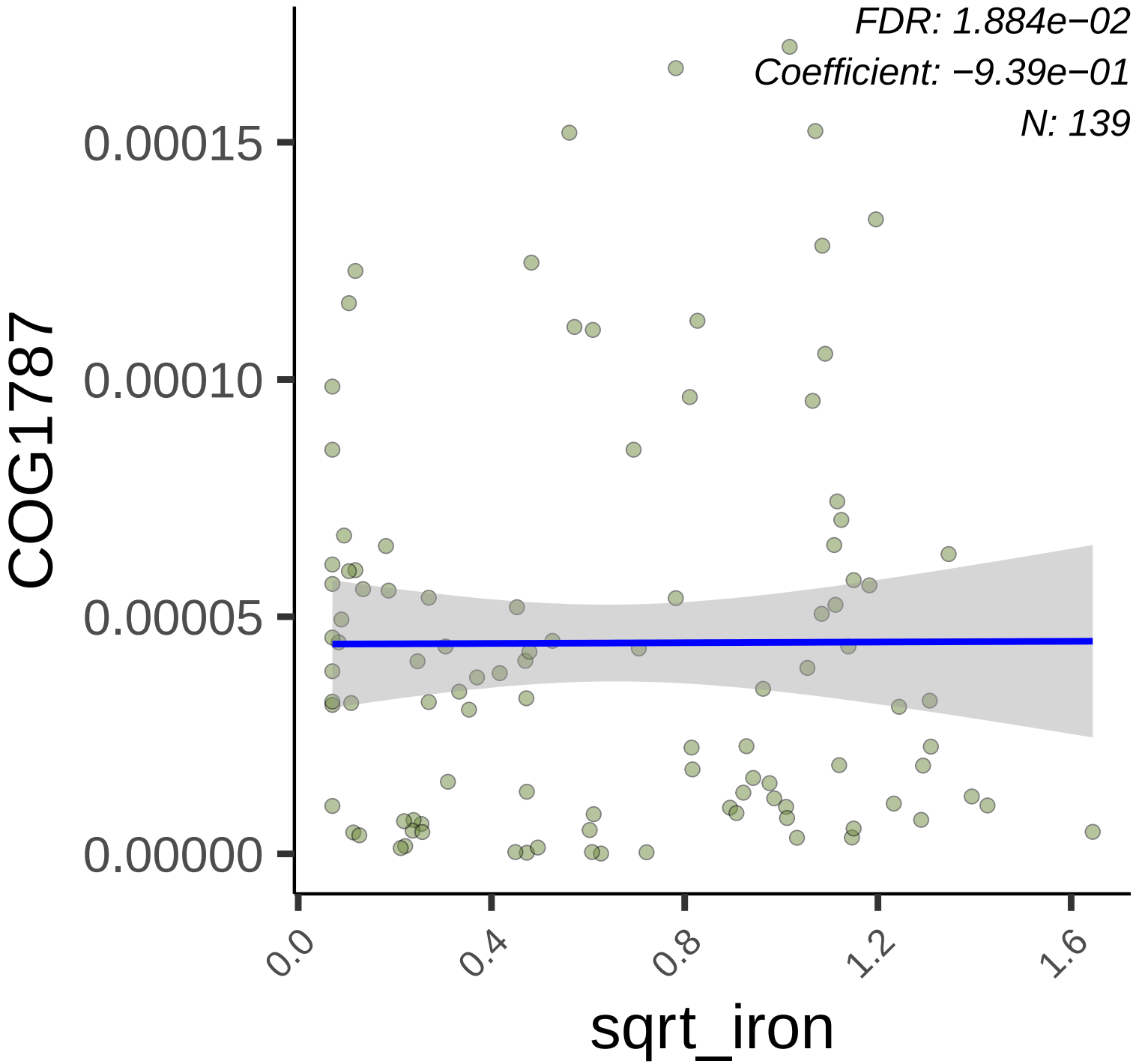
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.884e−02
Coefficient: −9.39e−01
N: 139
COG1787
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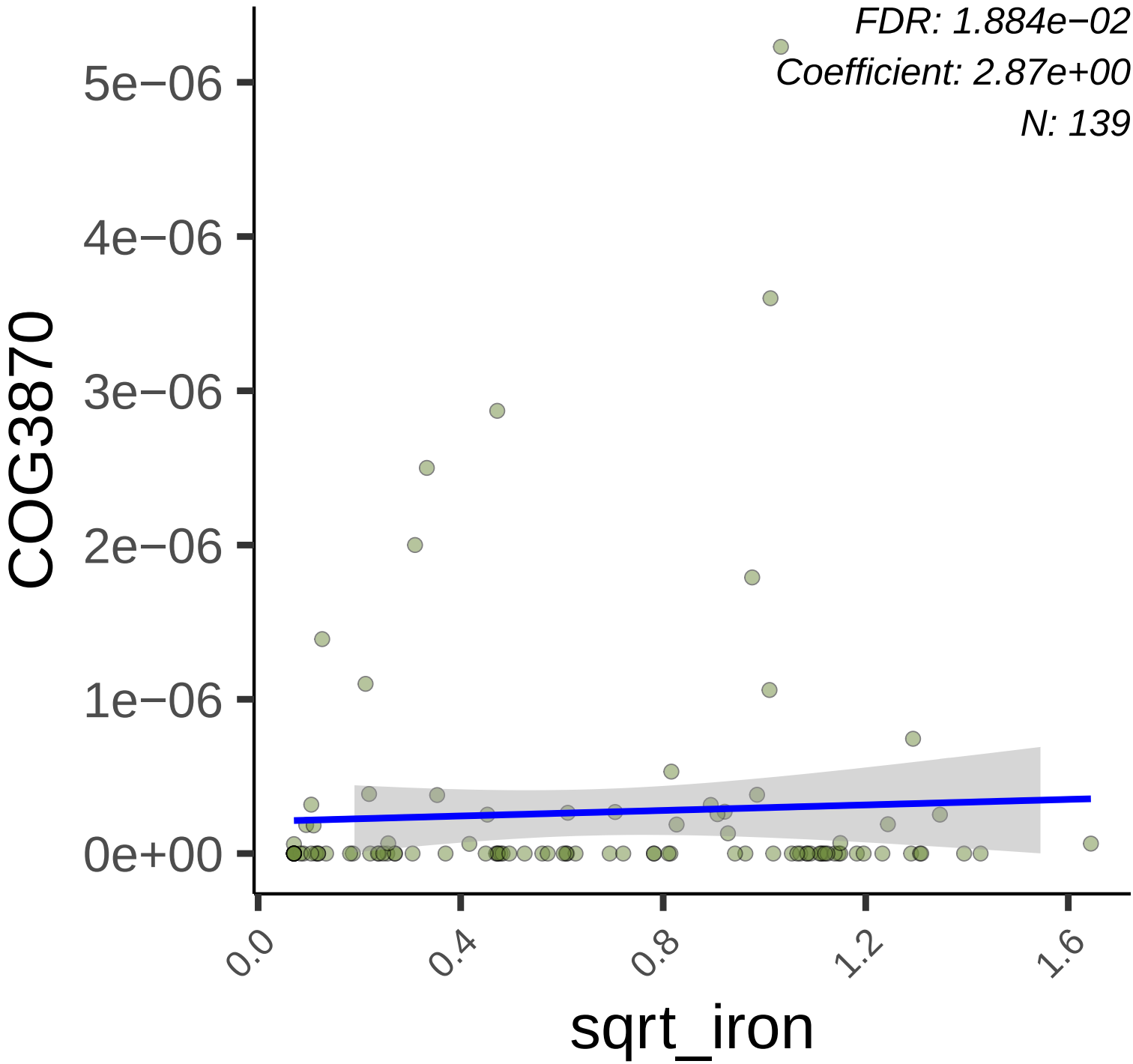
sqrt_iron


FDR: 1.884e−02
Coefficient: 2.87e+00
N: 139
COG3870
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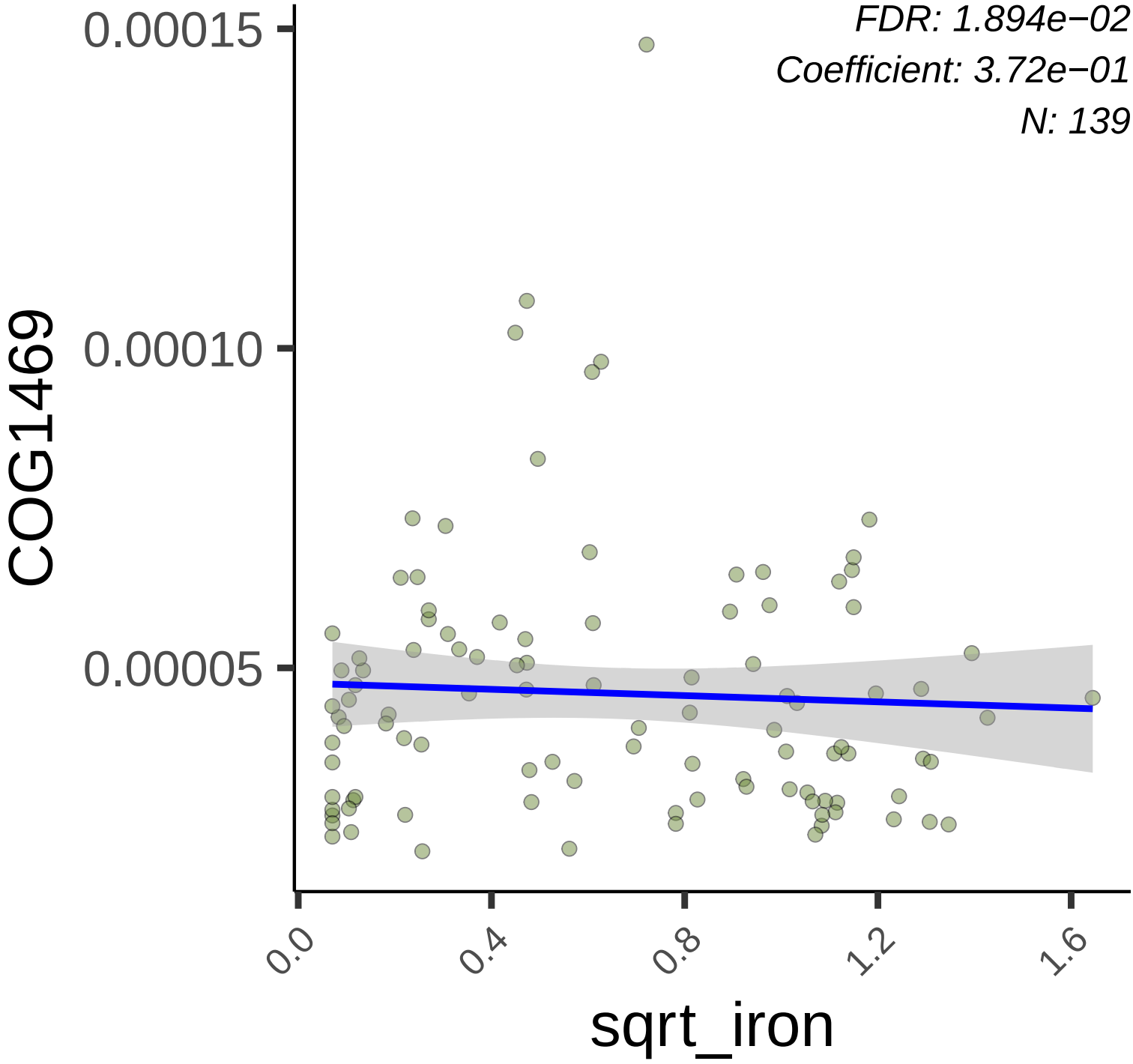
FDR: 1.894e−02
Coefficient: 3.72e−01
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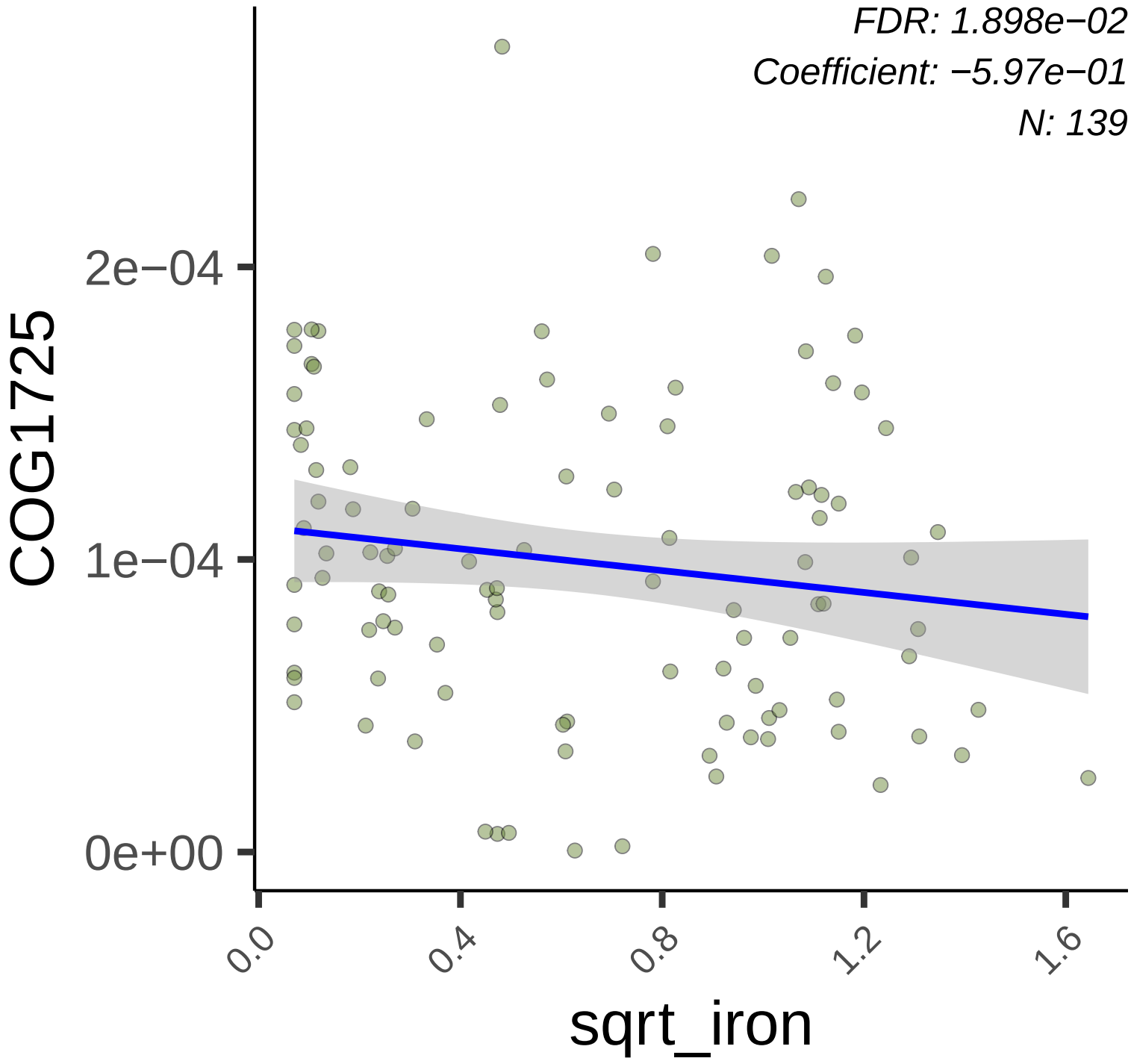
sqrt_iron


FDR: 1.898e−02
Coefficient: −5.97e−01
N: 139
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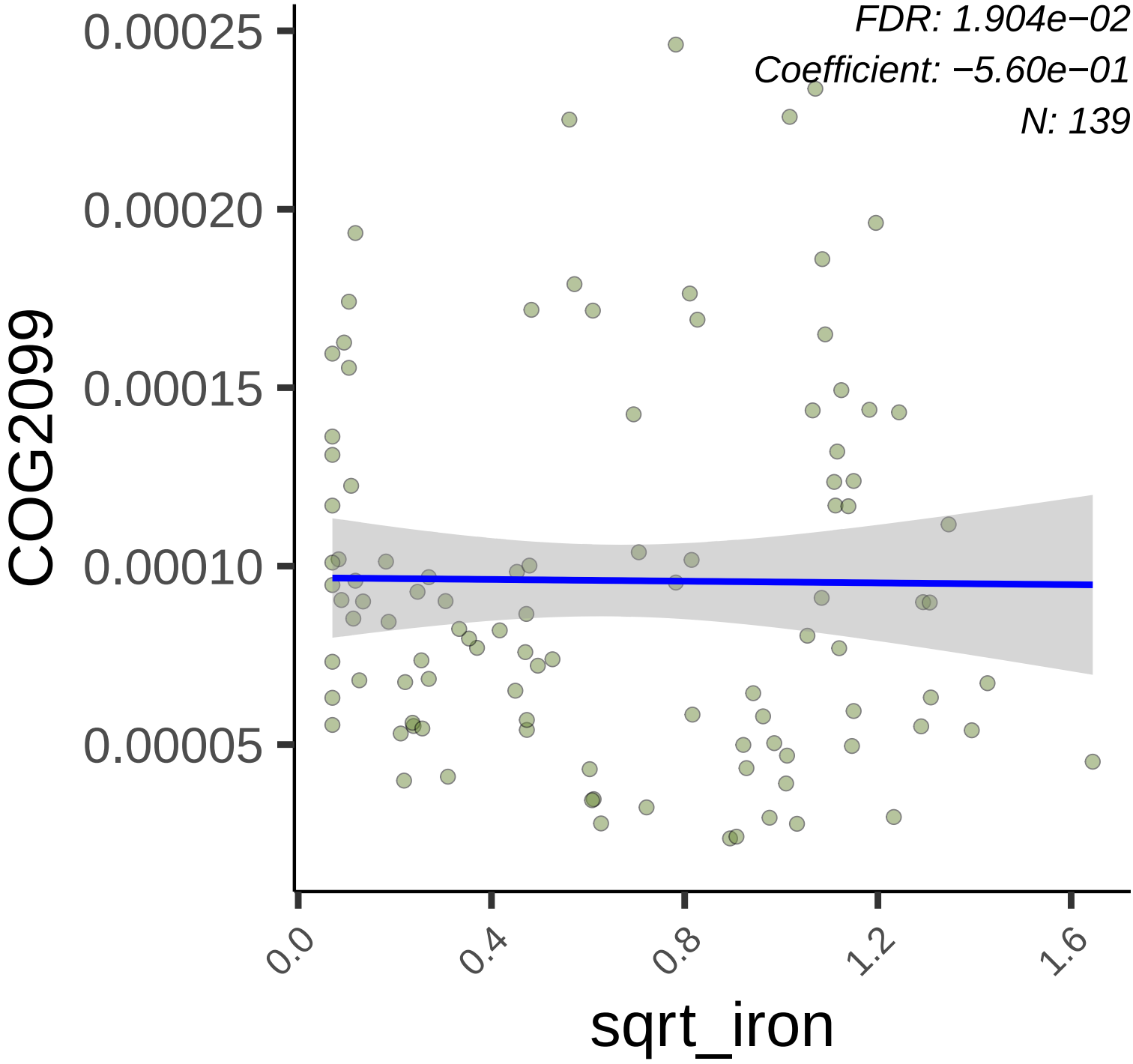
1.6
sqrt_iron


FDR: 1.904e−02
Coefficient: −5.60e−01
N: 139
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COG2099
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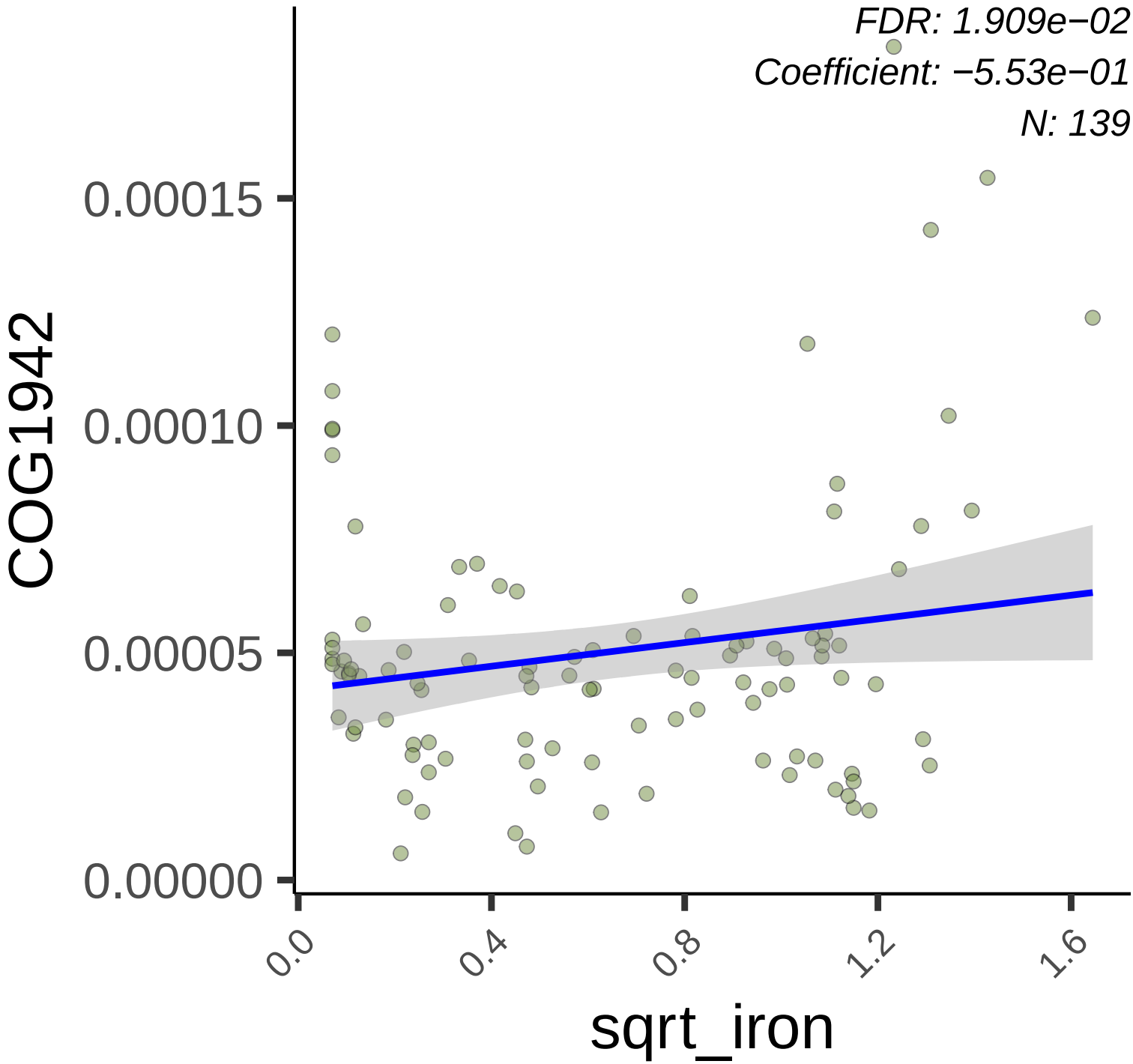
sqrt_iron


FDR: 1.909e−02
Coefficient: −5.53e−01
N: 139
COG1942
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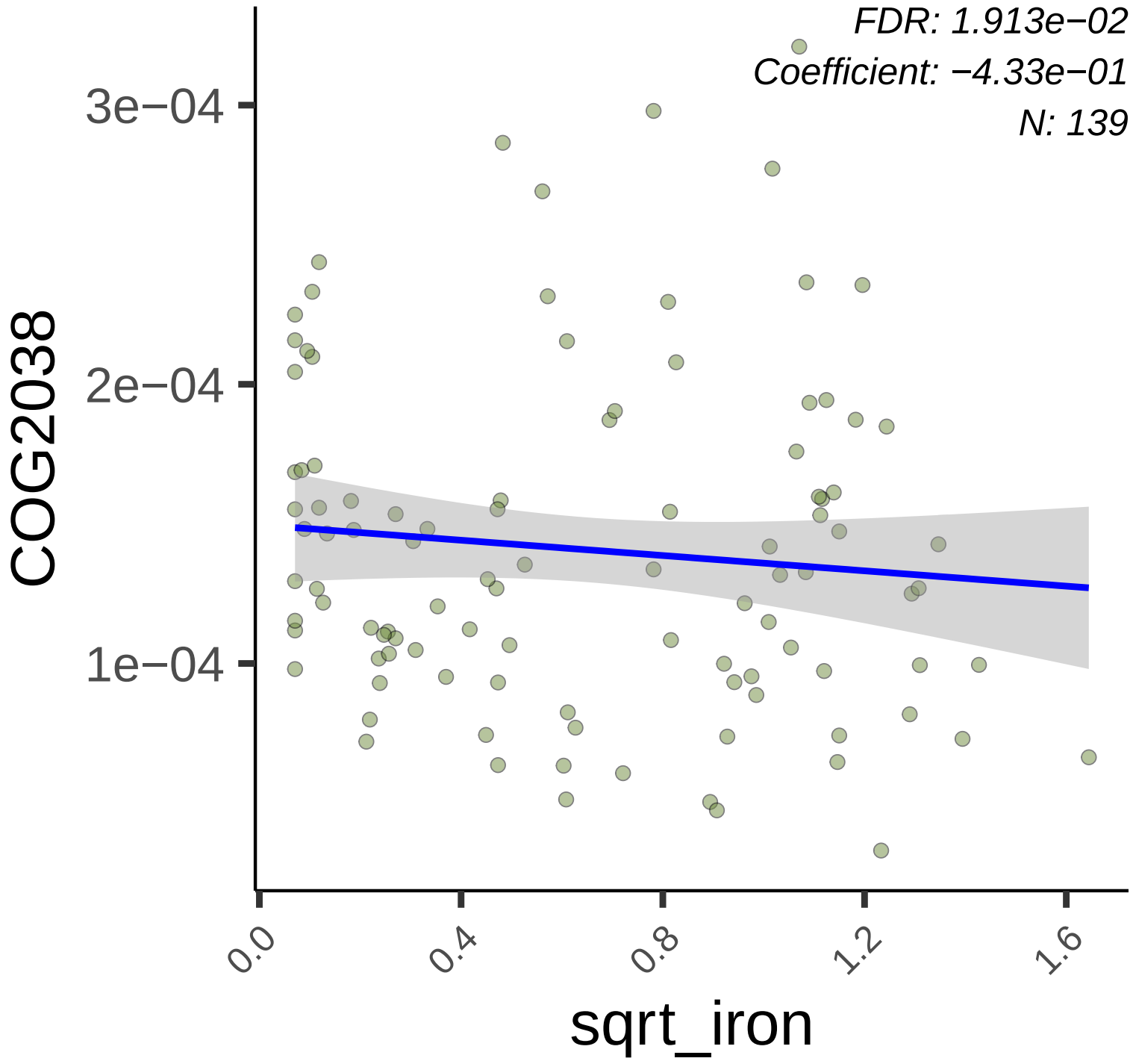
sqrt_iron


FDR: 1.913e−02
Coefficient: −4.33e−01
N: 139
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2e−04
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COG2038
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0.8
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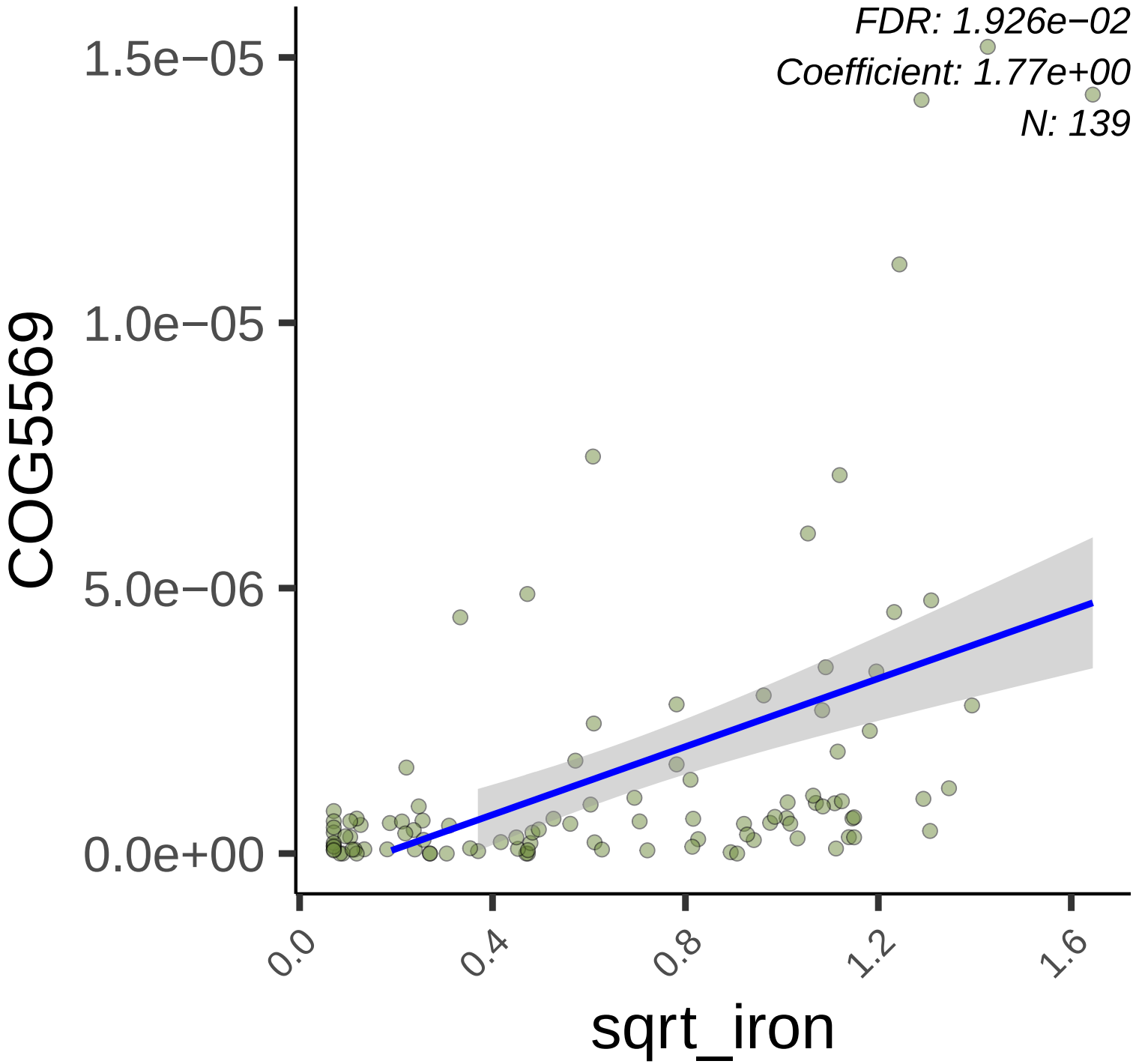
1.6
sqrt_iron


FDR: 1.926e−02
Coefficient: 1.77e+00
N: 139
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COG5569
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0.4
0.8
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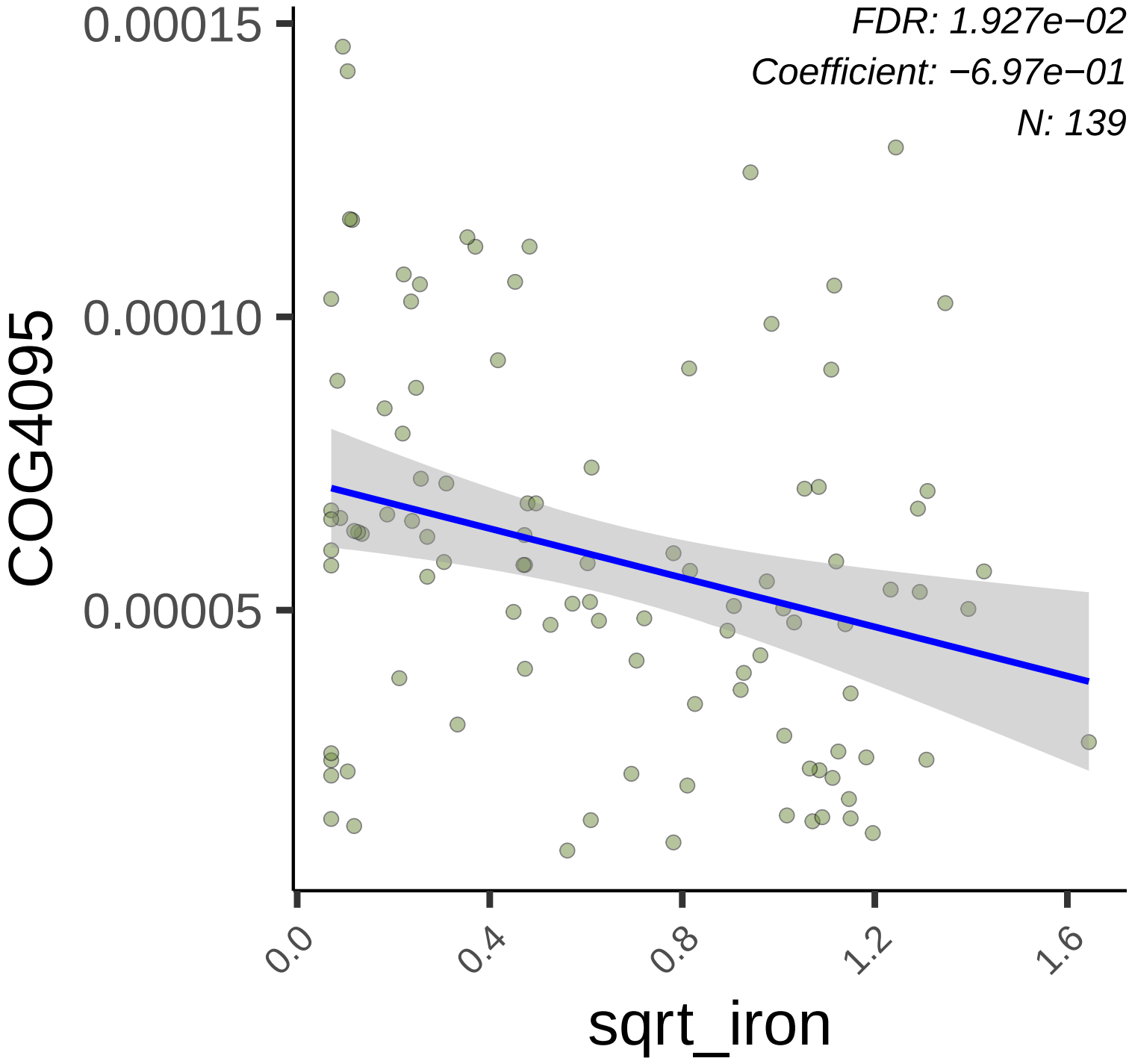
1.6
sqrt_iron


FDR: 1.927e−02
Coefficient: −6.97e−01
N: 139
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COG4095
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0.8
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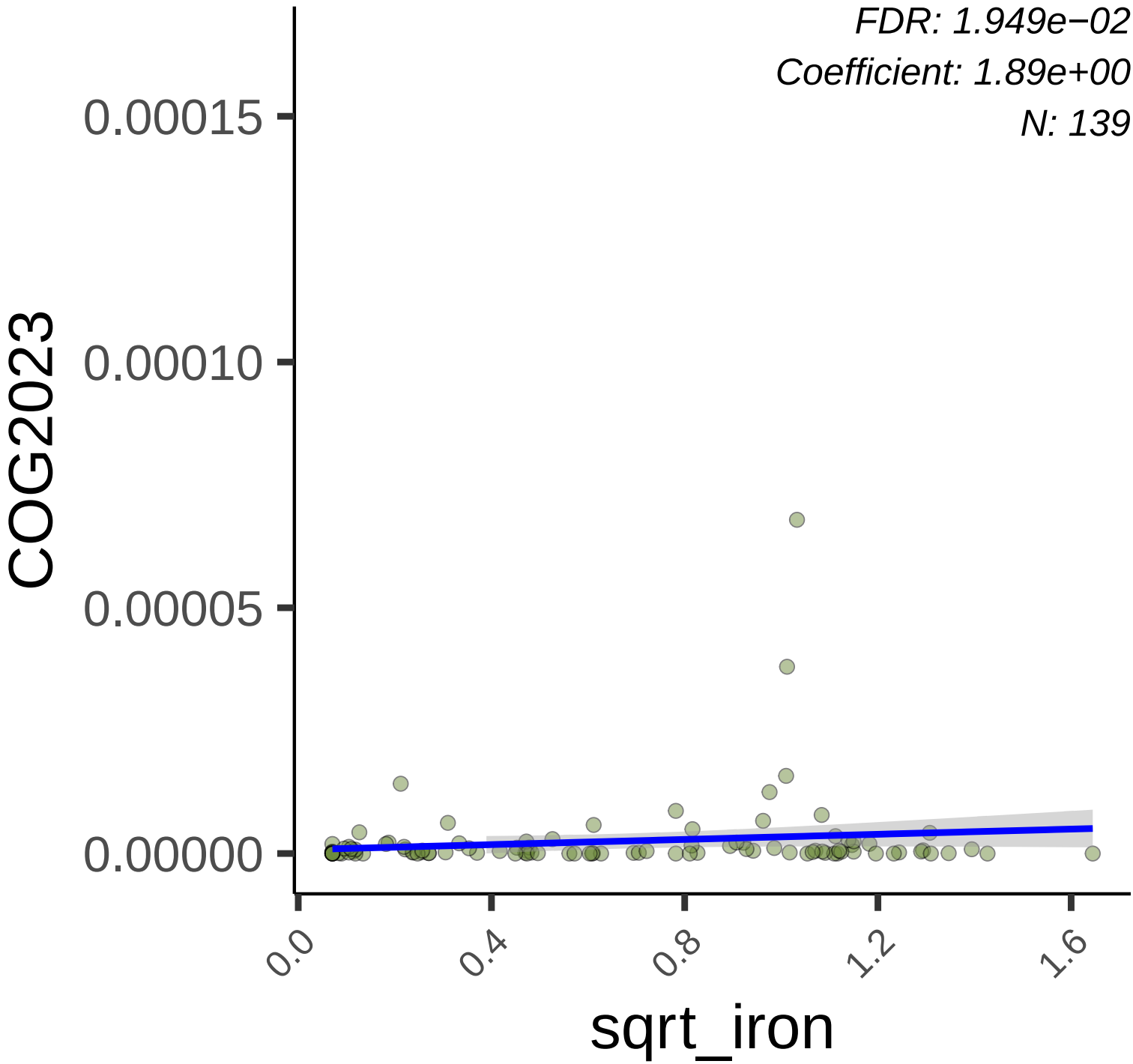
1.6
sqrt_iron


FDR: 1.949e−02
Coefficient: 1.89e+00
N: 139
COG2023
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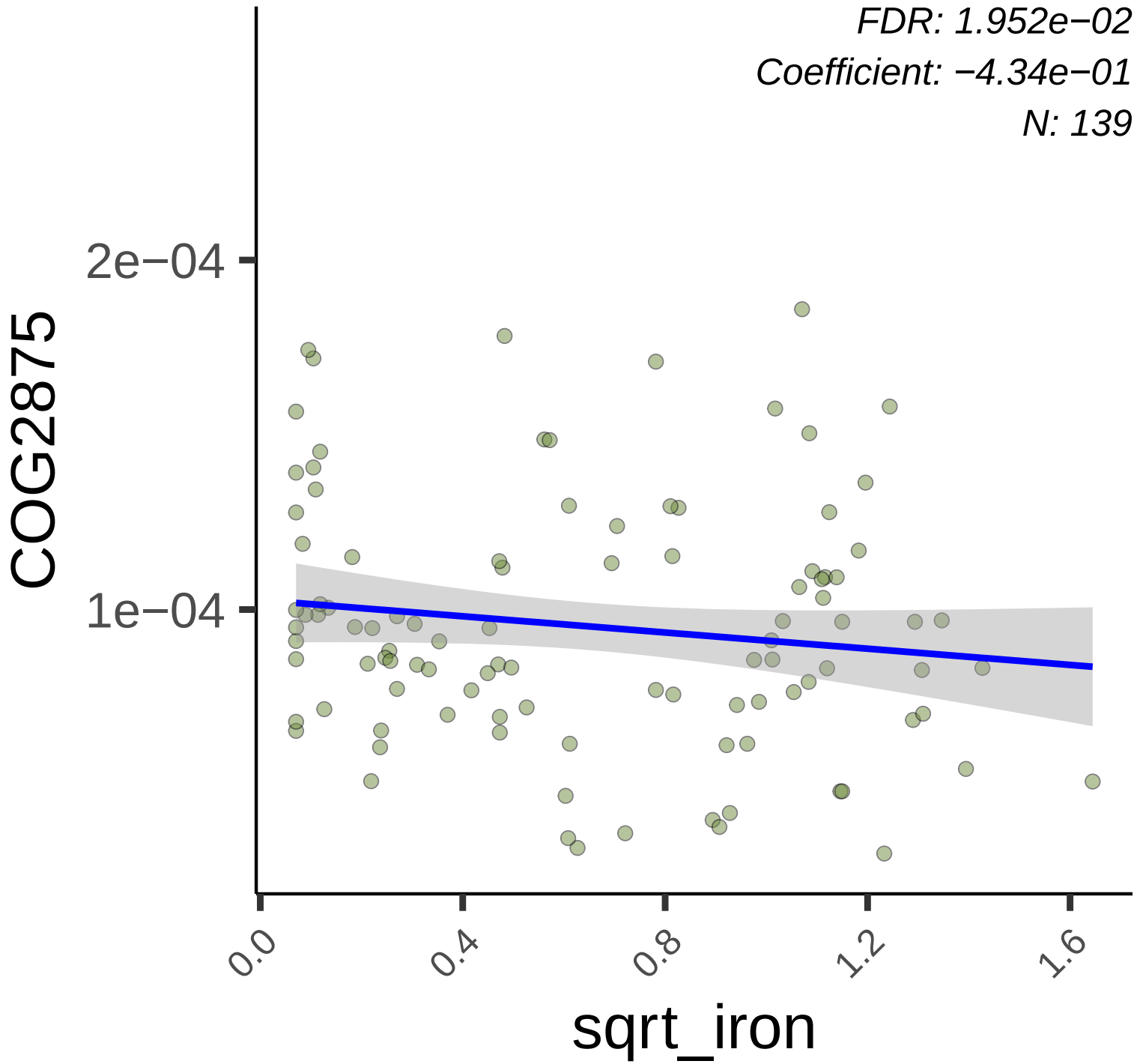
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.952e−02
Coefficient: −4.34e−01
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0.4
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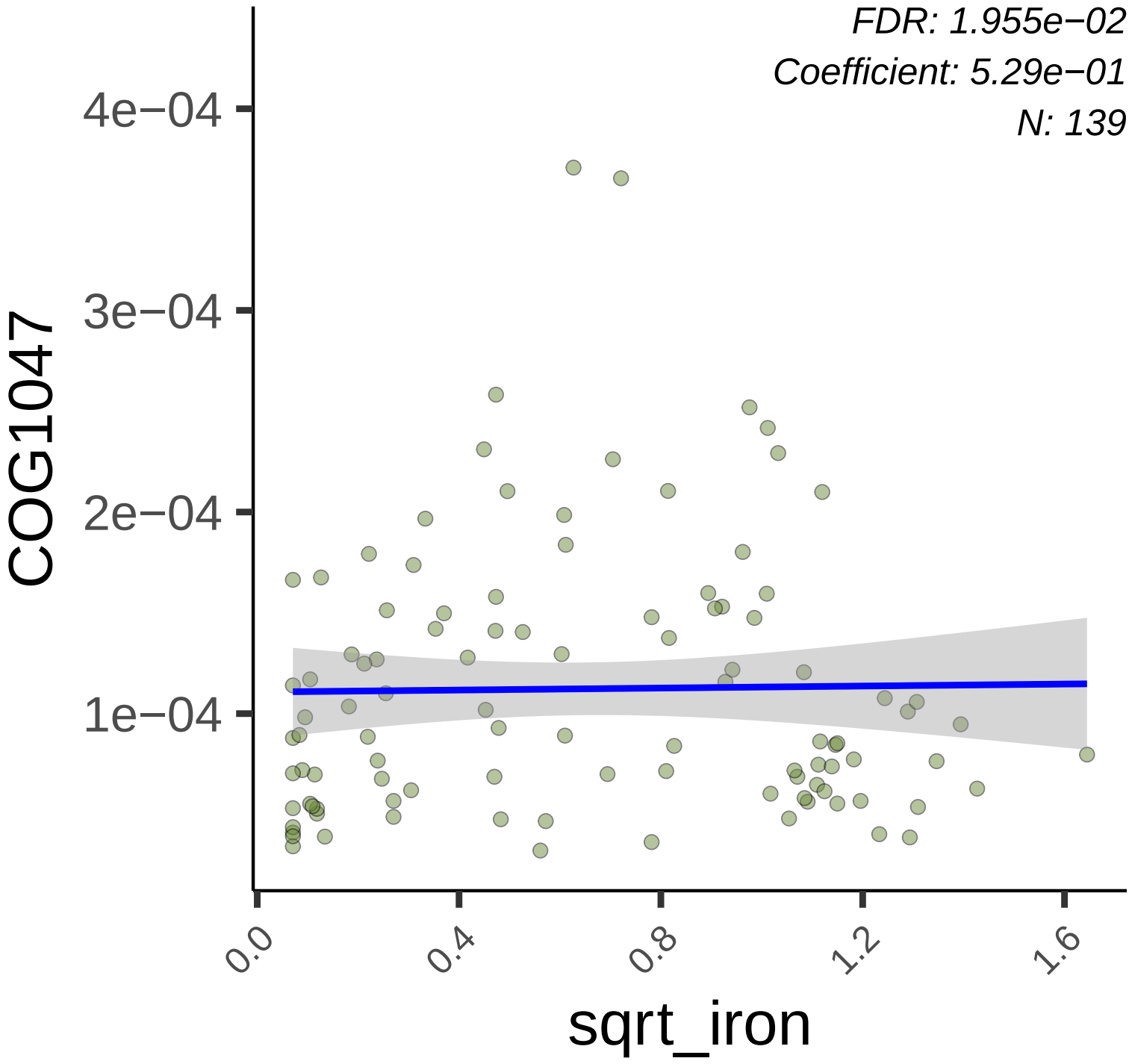
1.2
1.6
sqrt_iron


FDR: 1.955e−02
Coefficient: 5.29e−01
N: 139
COG1047
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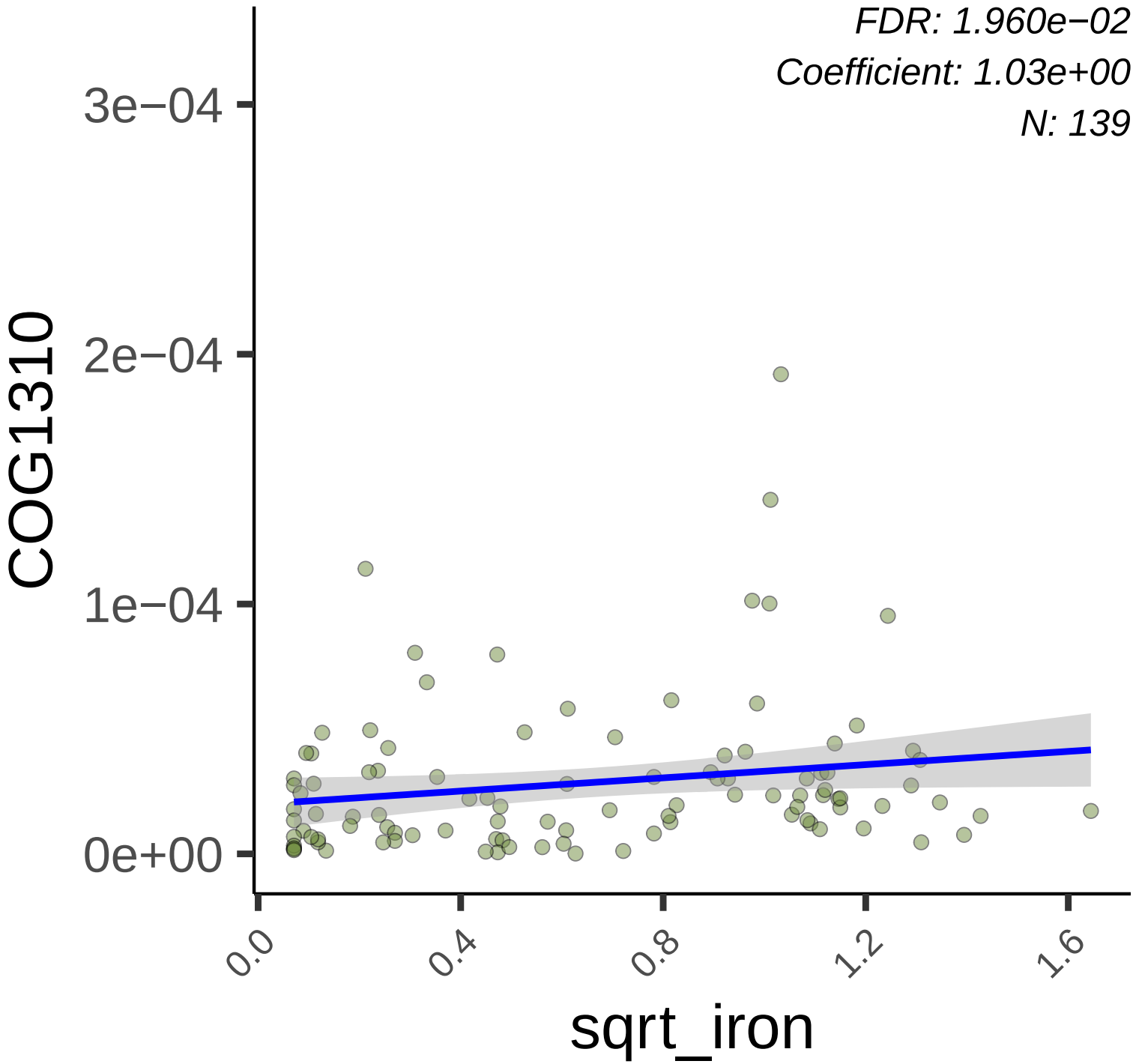
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 1.960e−02
Coefficient: 1.03e+00
N: 139
COG1310
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0.4
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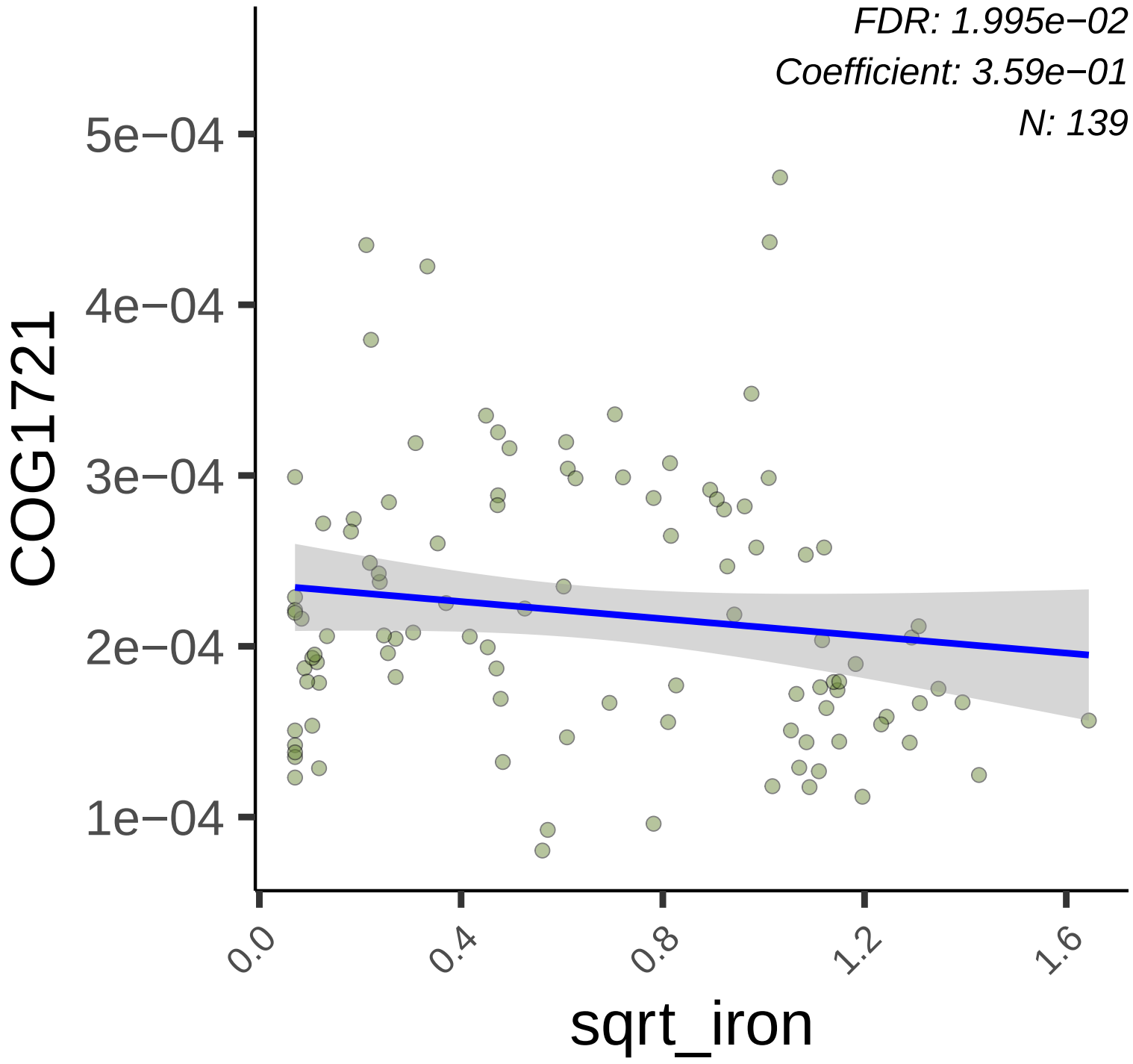
1.6
sqrt_iron


FDR: 1.995e−02
Coefficient: 3.59e−01
N: 139
COG1721
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3e−04
2e−04
1e−04
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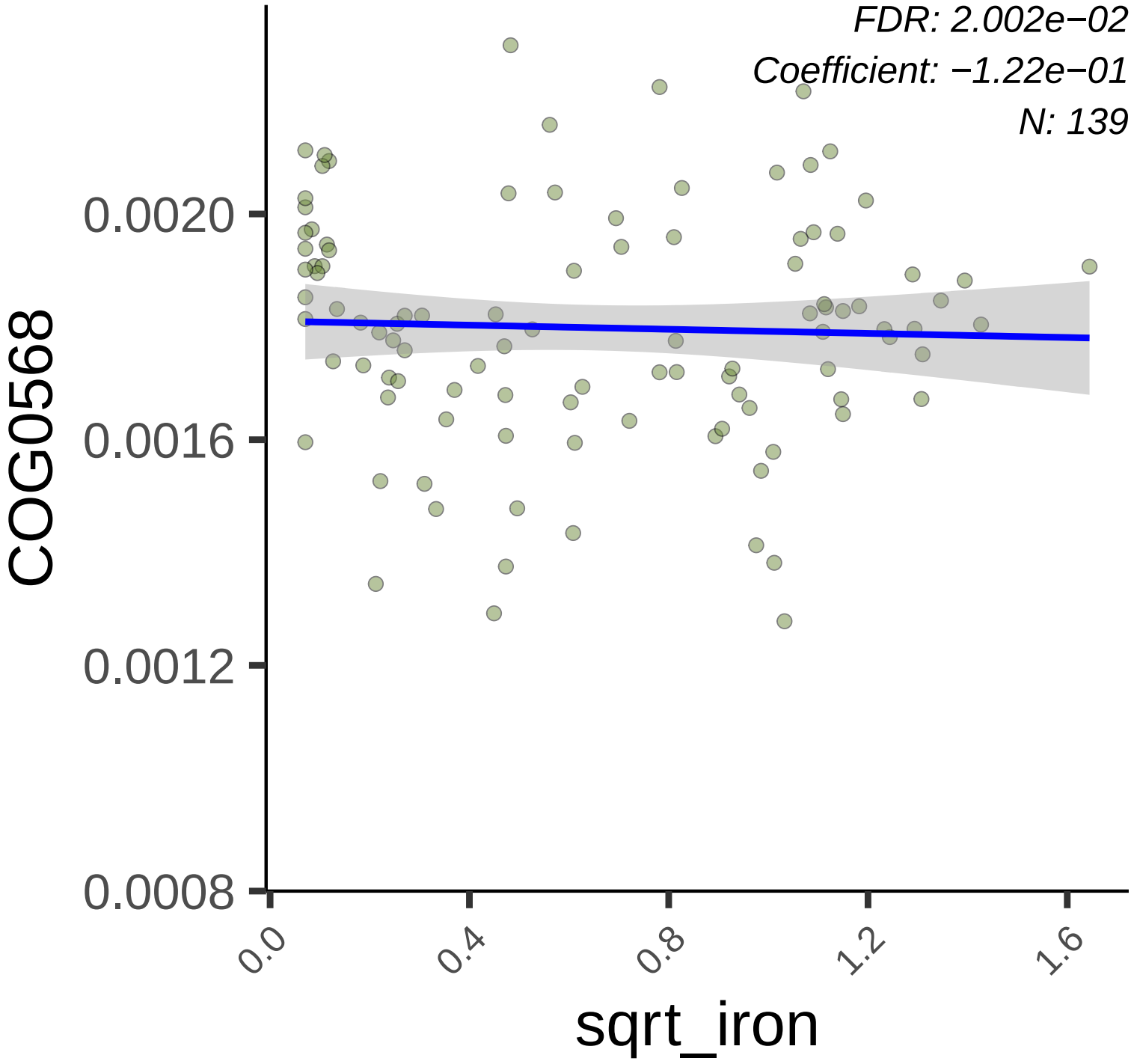
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.002e−02
Coefficient: −1.22e−01
N: 139
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0.4
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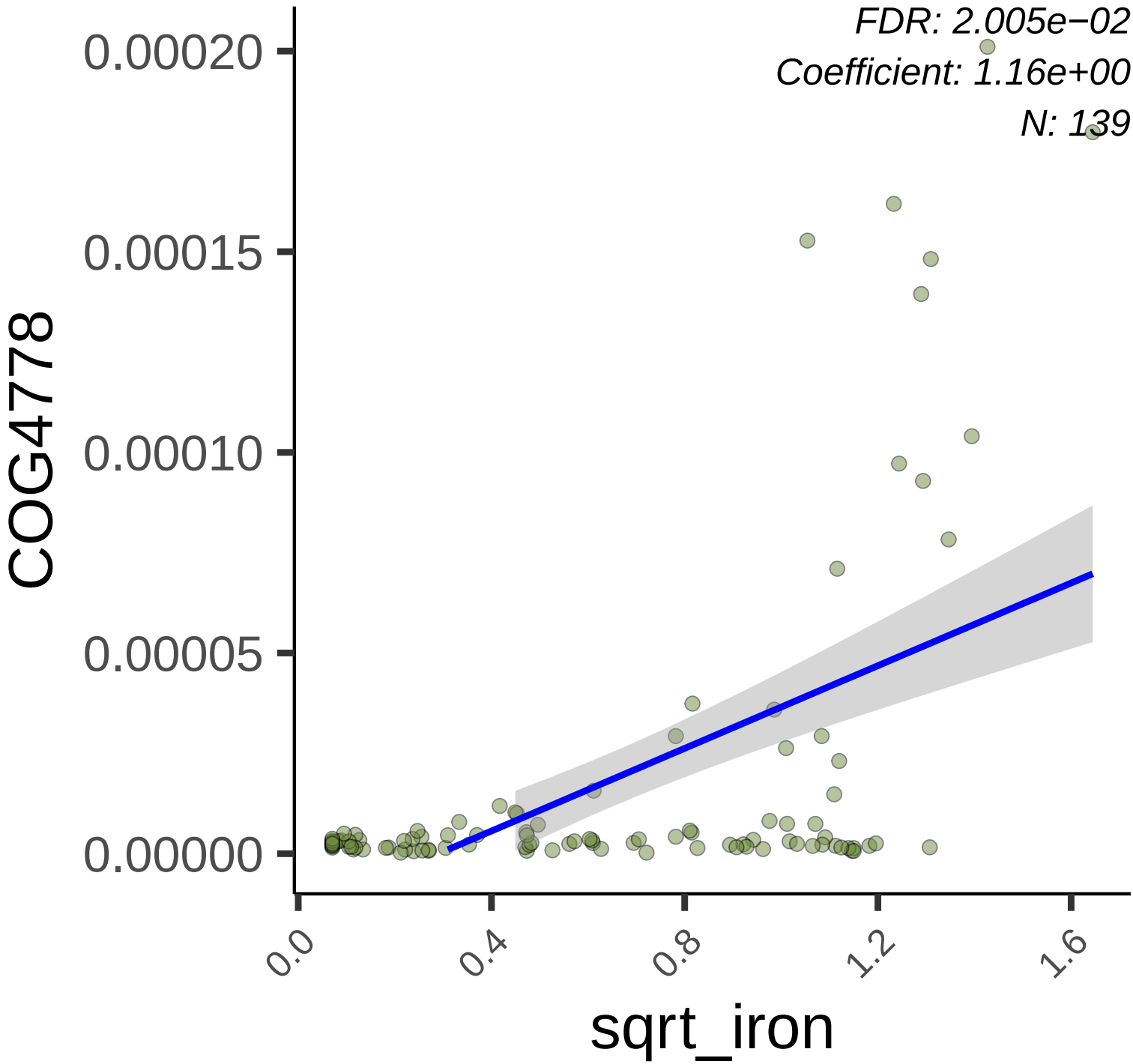
1.6
sqrt_iron


FDR: 2.005e−02
Coefficient: 1.16e+00
N: 139
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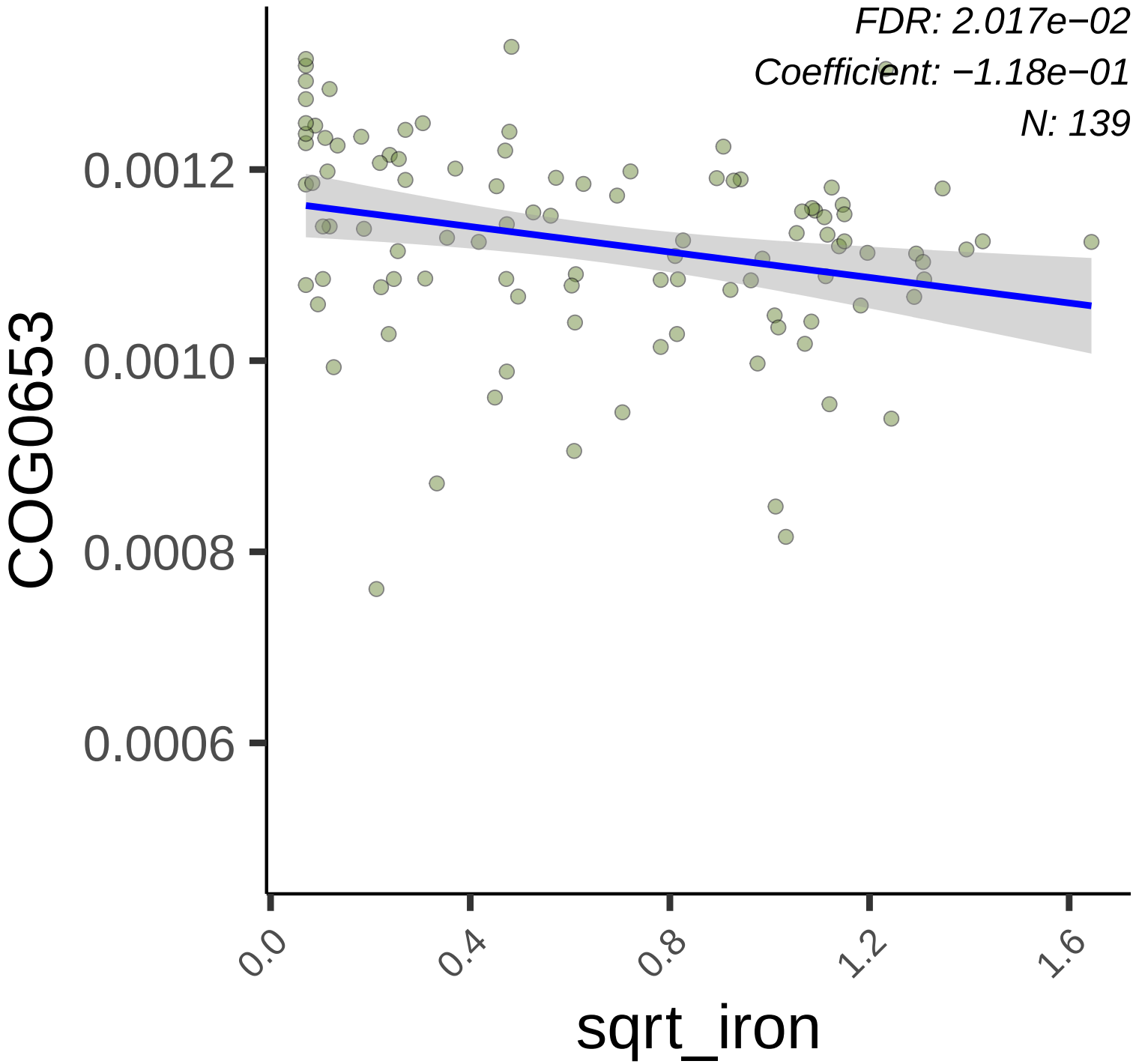
sqrt_iron


FDR: 2.017e−02
Coefficient: −1.18e−01
N: 139
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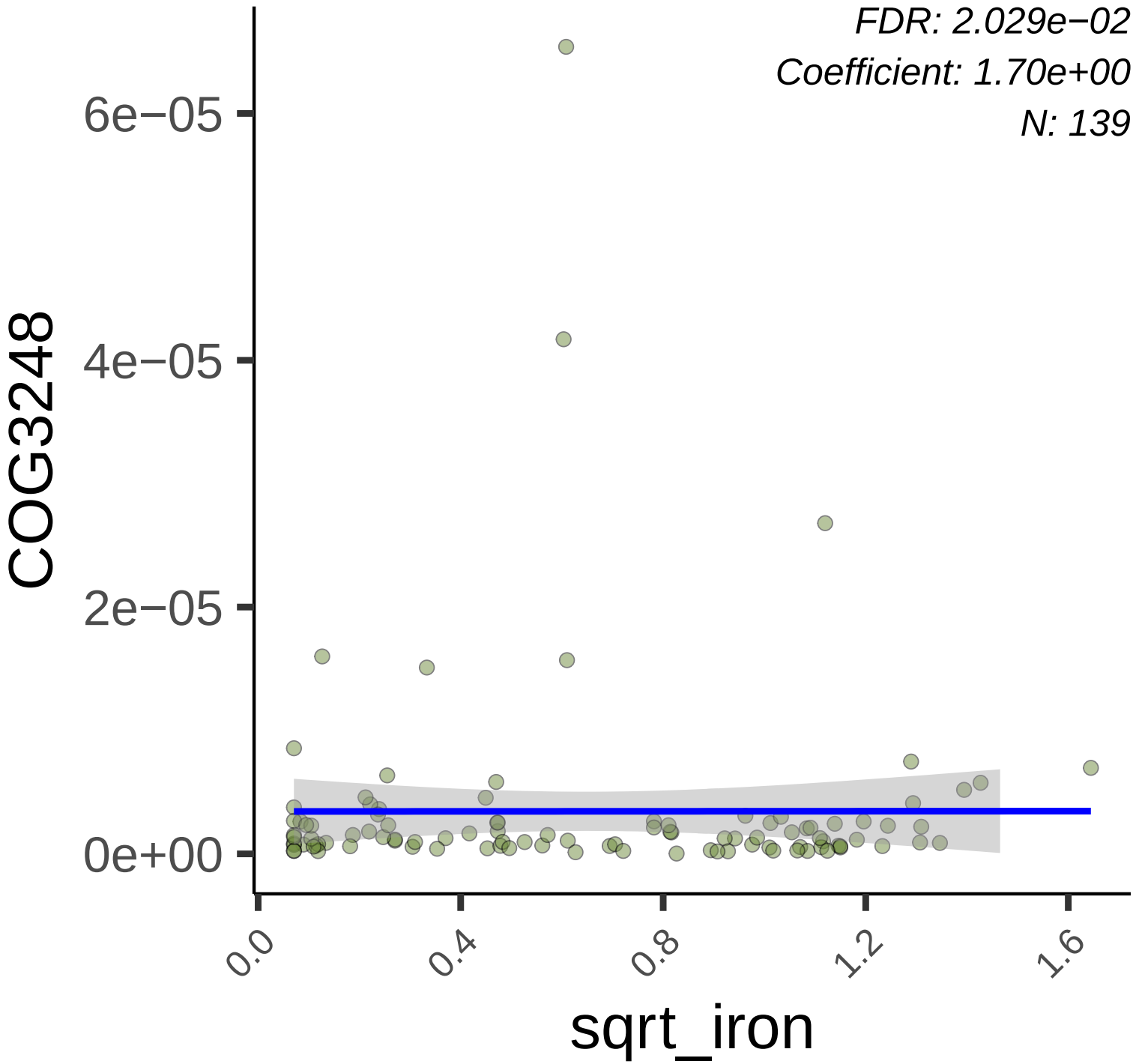
1.6
sqrt_iron


FDR: 2.029e−02
Coefficient: 1.70e+00
N: 139
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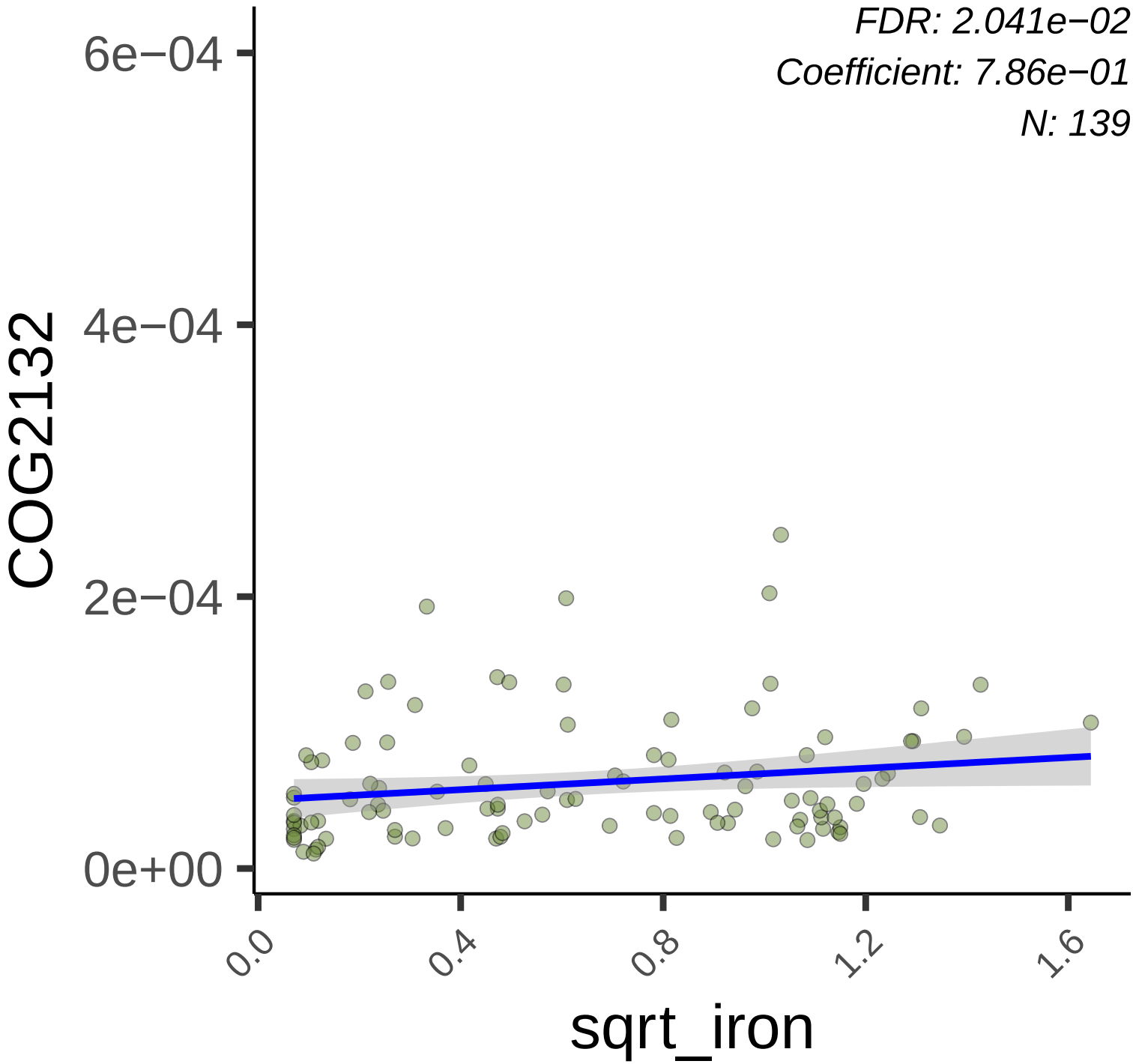
1.2
1.6
sqrt_iron


FDR: 2.041e−02
Coefficient: 7.86e−01
N: 139
COG2132
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4e−04
2e−04
0e+00
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0.4
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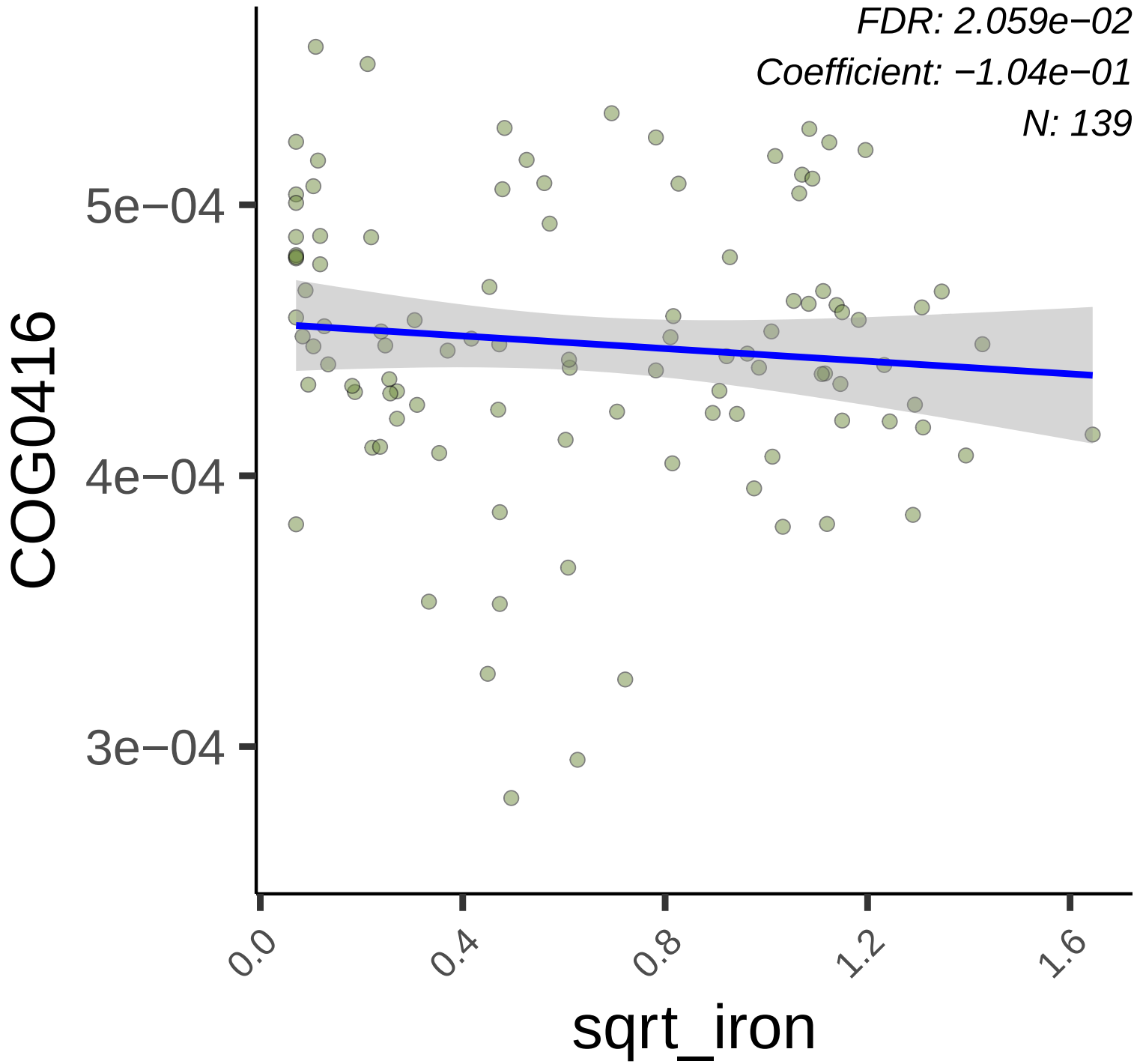
1.6
sqrt_iron


FDR: 2.059e−02
Coefficient: −1.04e−01
N: 139
COG0416
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4e−04
3e−04
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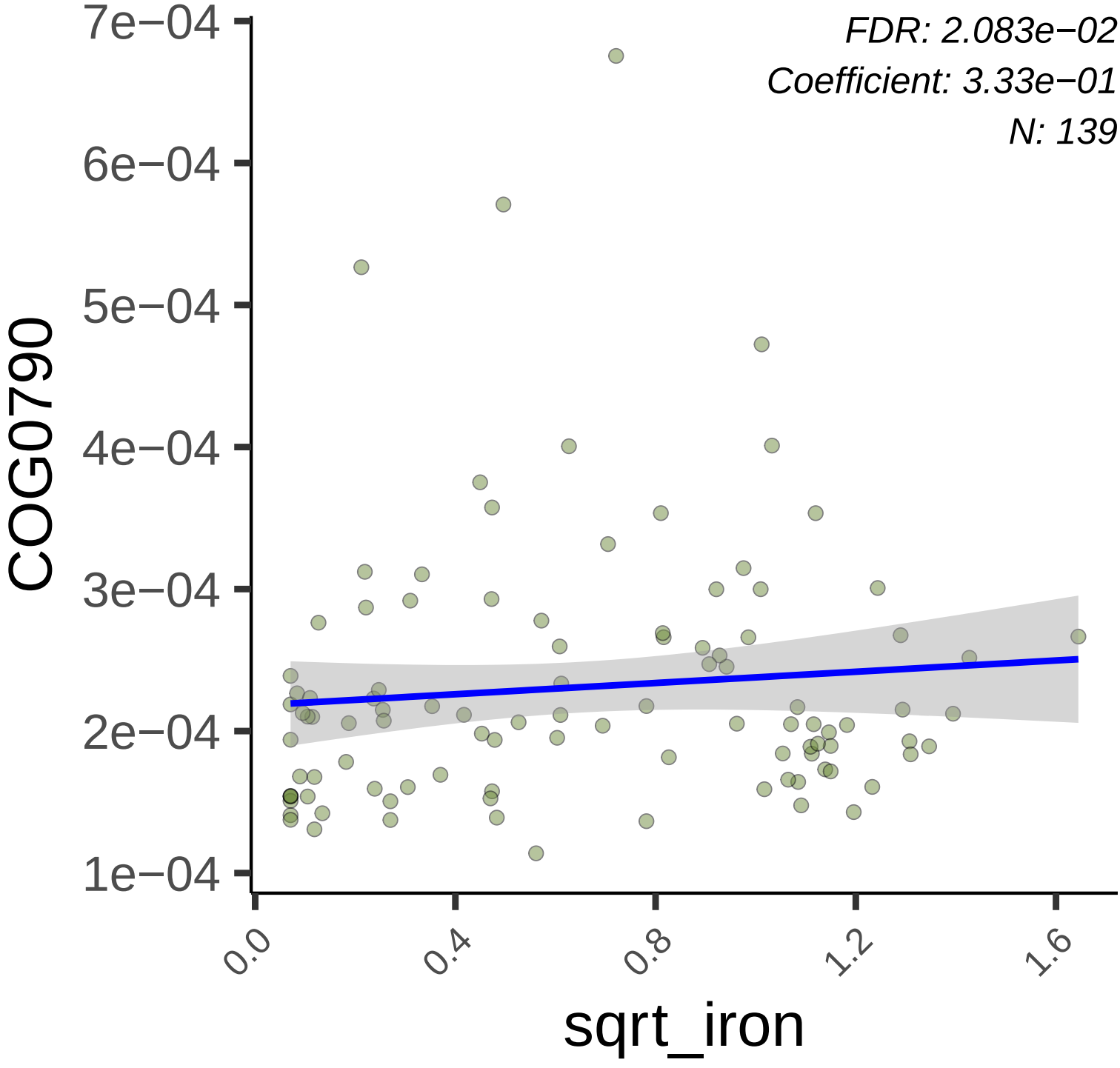
sqrt_iron


FDR: 2.083e−02
Coefficient: 3.33e−01
N: 139
COG0790
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6e−04
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3e−04
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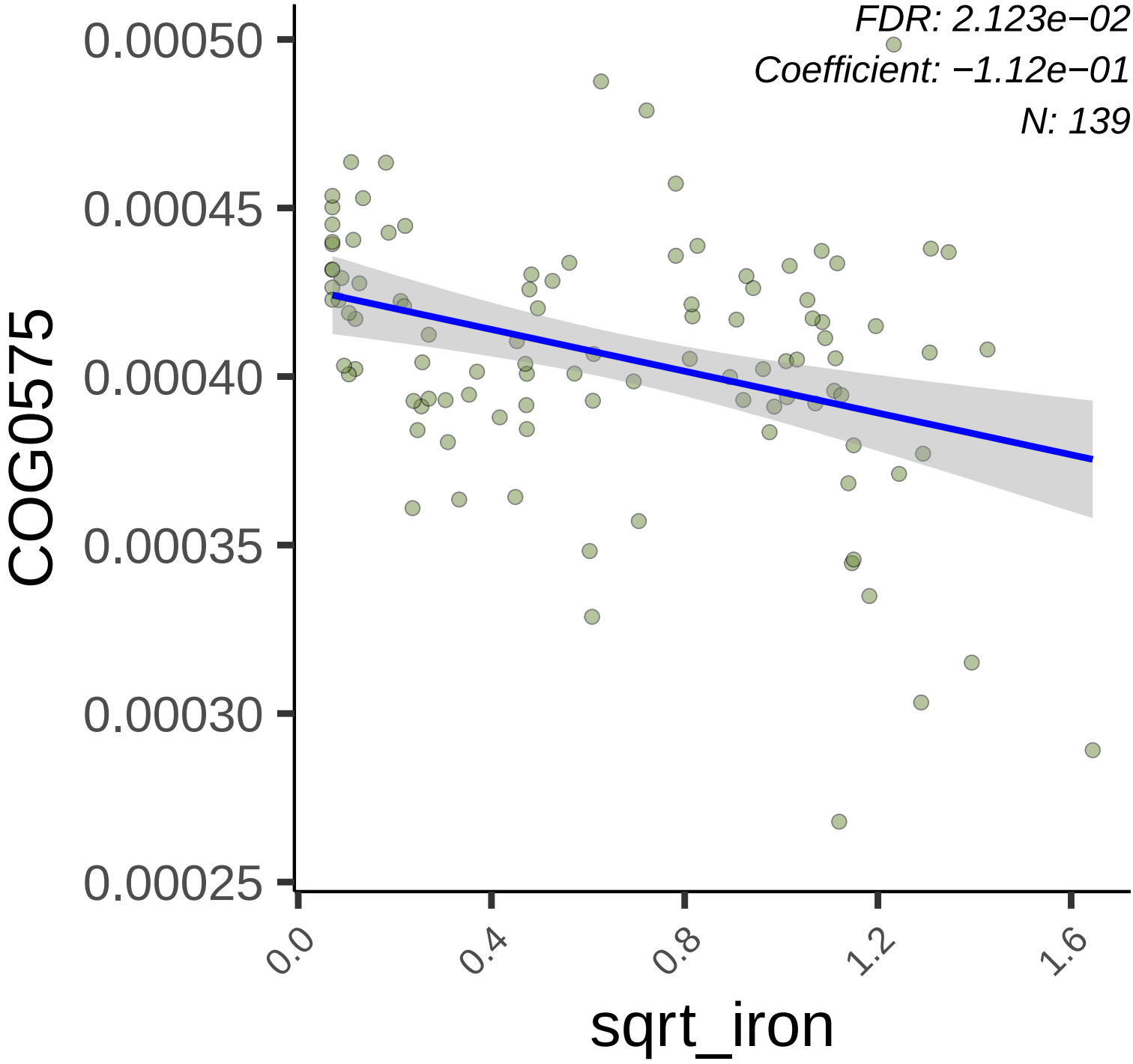
1.6
sqrt_iron


FDR: 2.123e−02
Coefficient: −1.12e−01
N: 139
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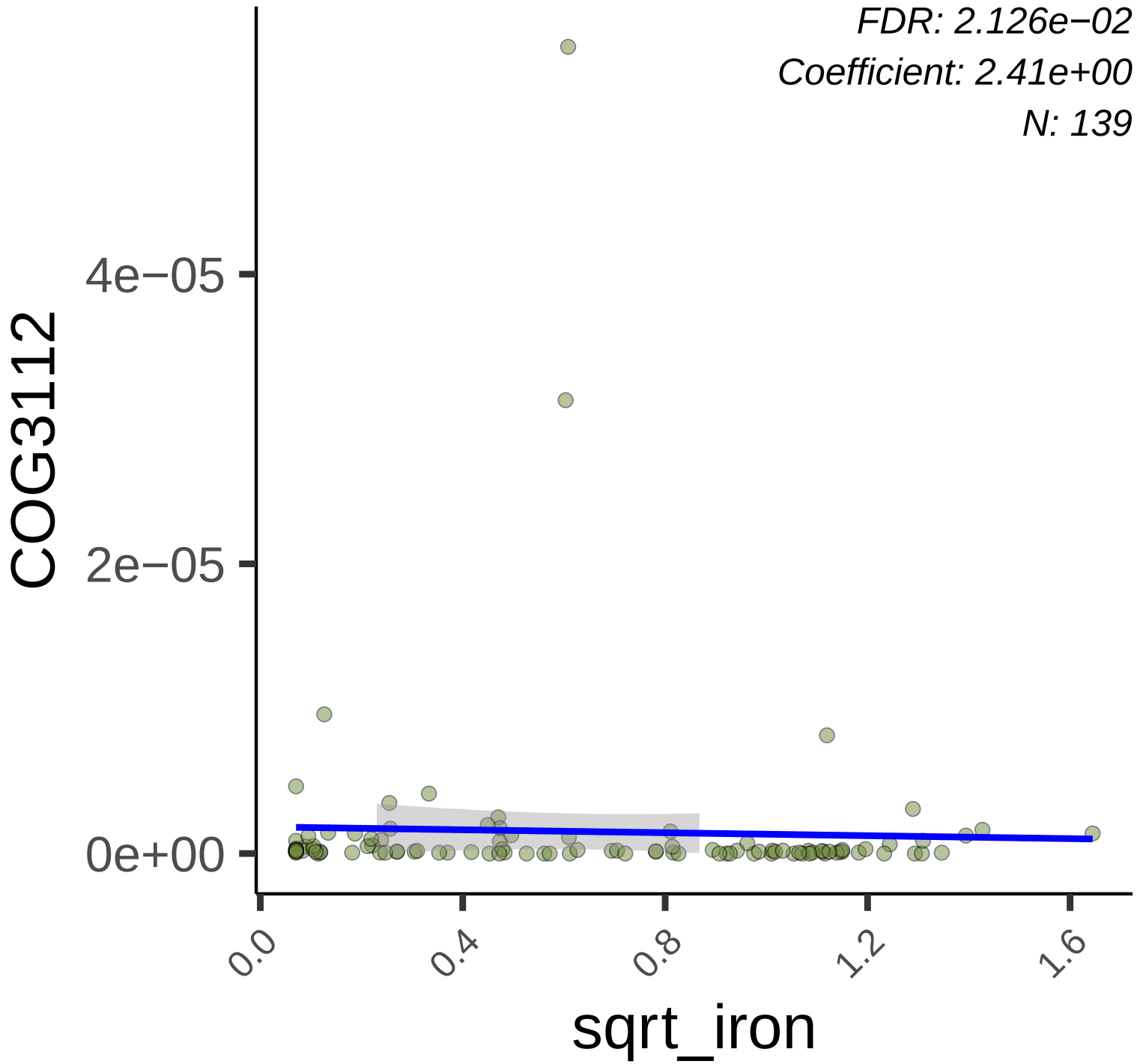
sqrt_iron


FDR: 2.126e−02
Coefficient: 2.41e+00
N: 139
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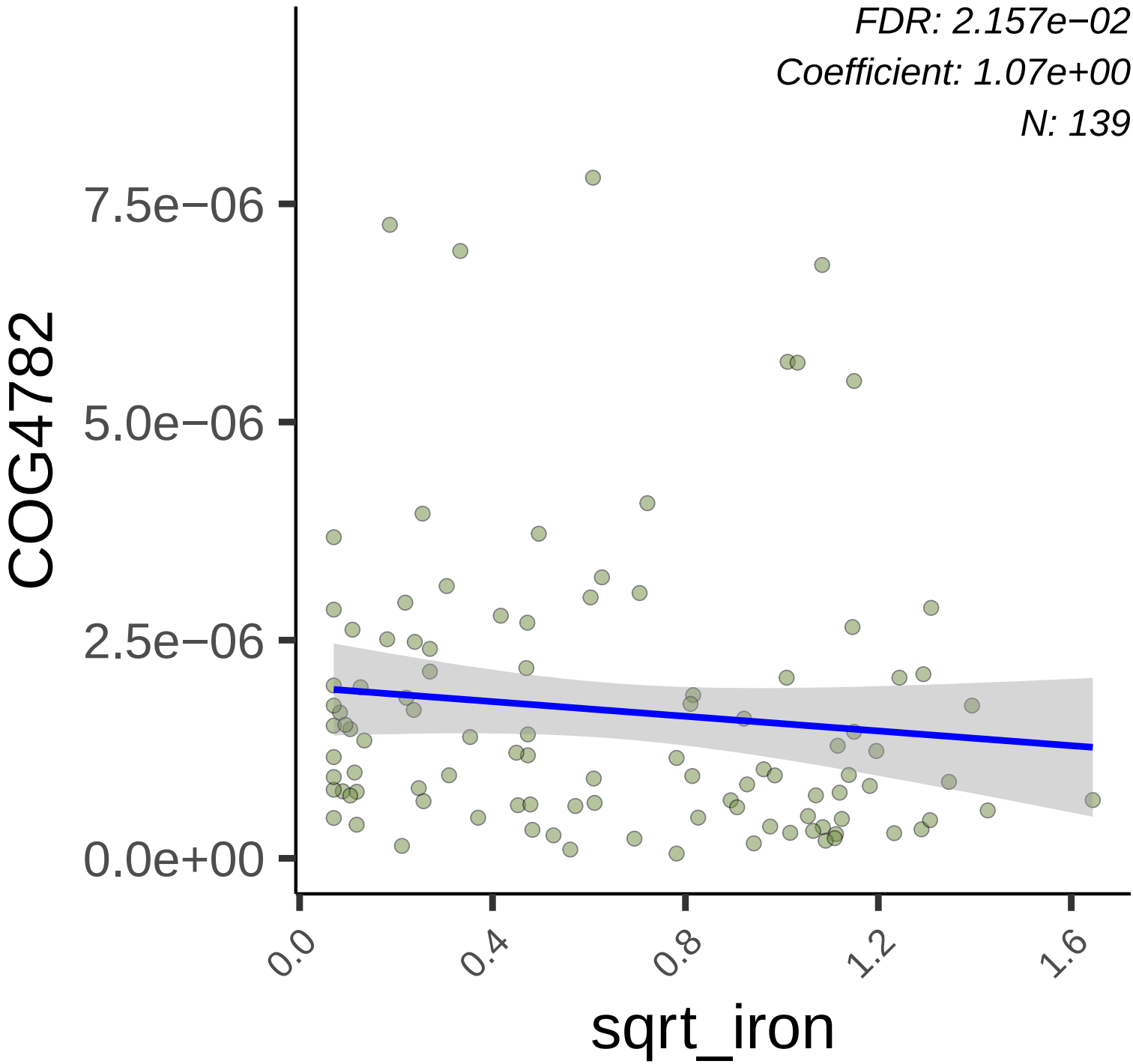
sqrt_iron


FDR: 2.157e−02
Coefficient: 1.07e+00
N: 139
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2.5e−06
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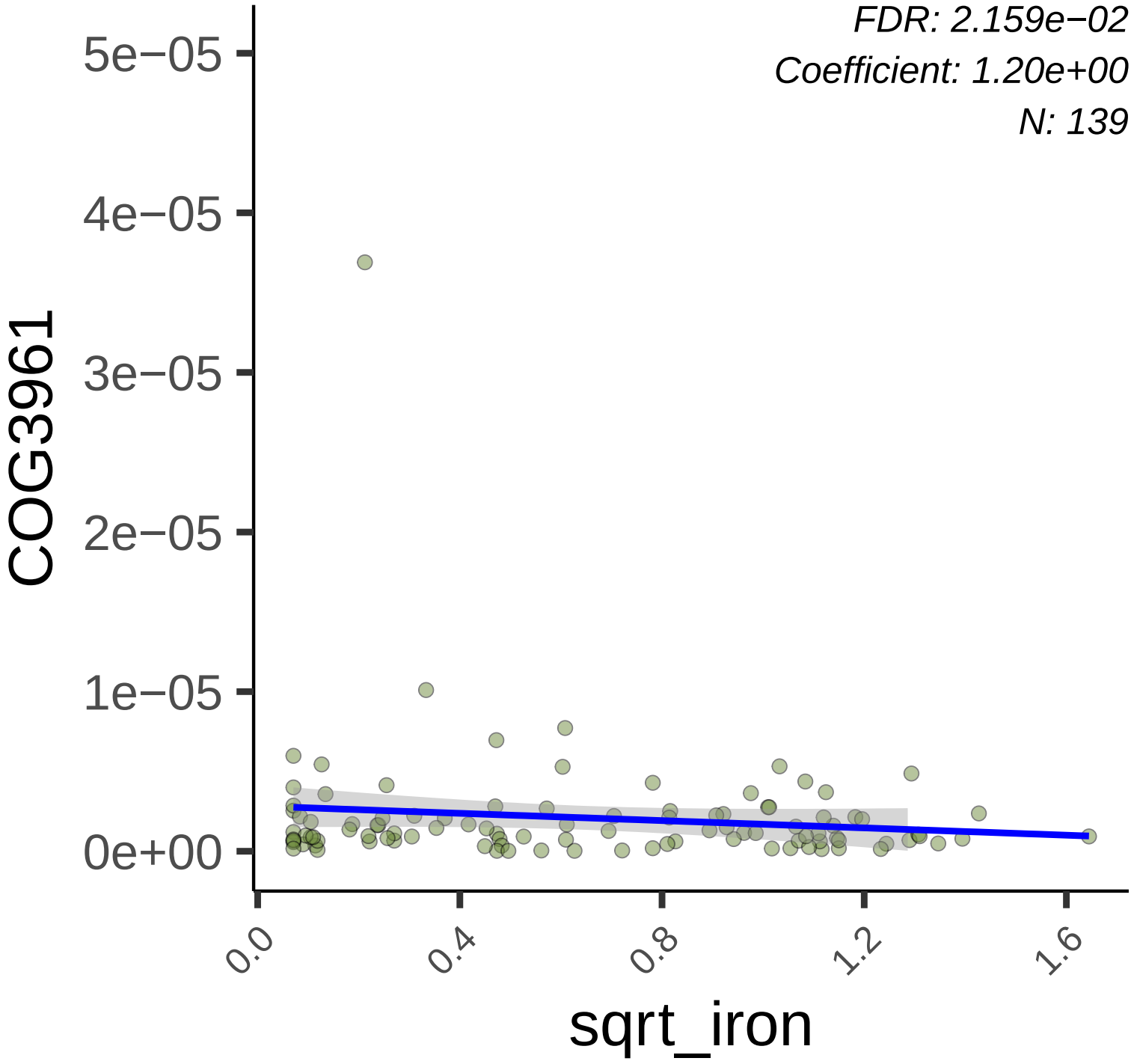
1.6
sqrt_iron


FDR: 2.159e−02
Coefficient: 1.20e+00
N: 139
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2e−05
1e−05
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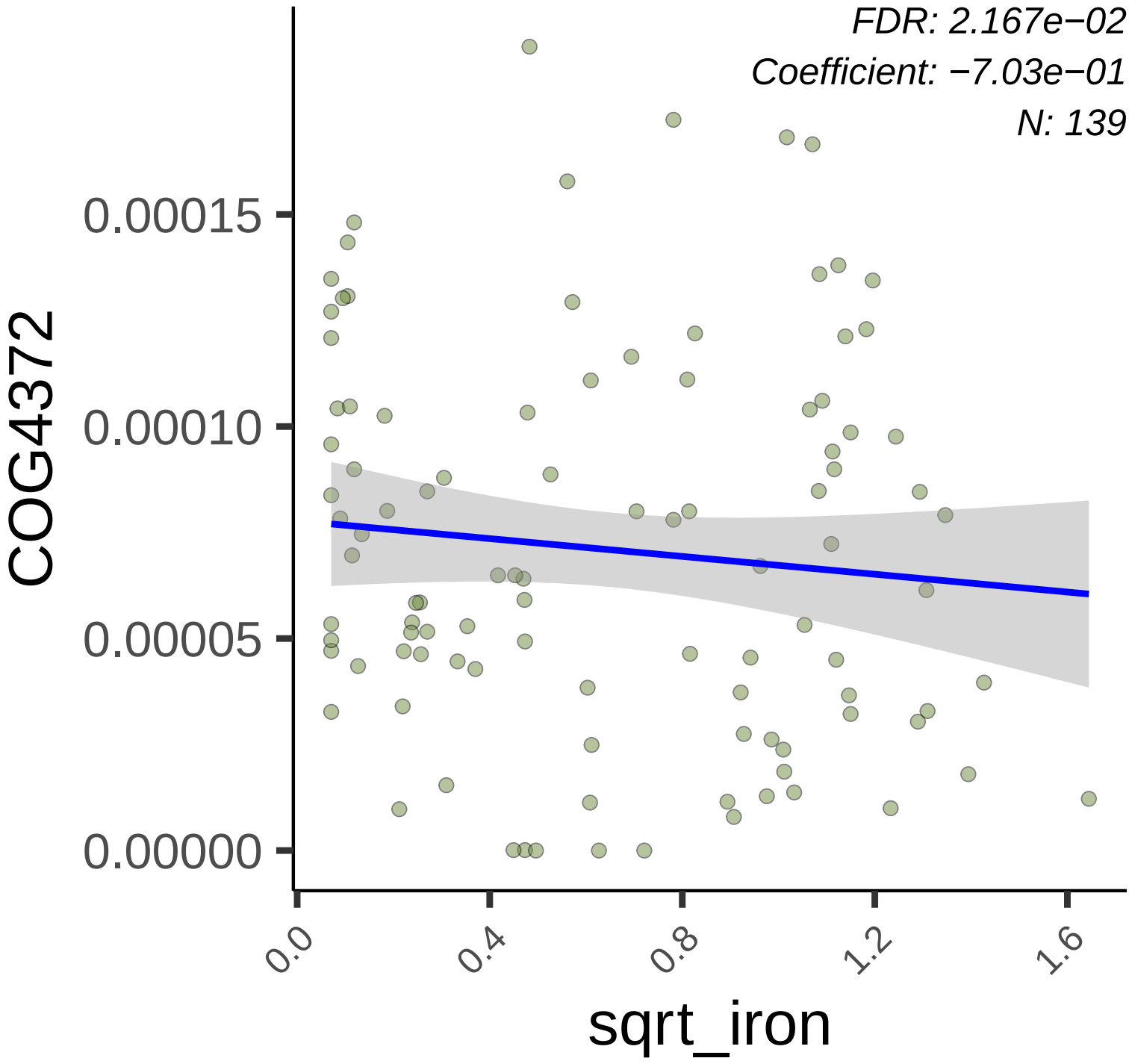
1.6
sqrt_iron


FDR: 2.167e−02
Coefficient: −7.03e−01
N: 139
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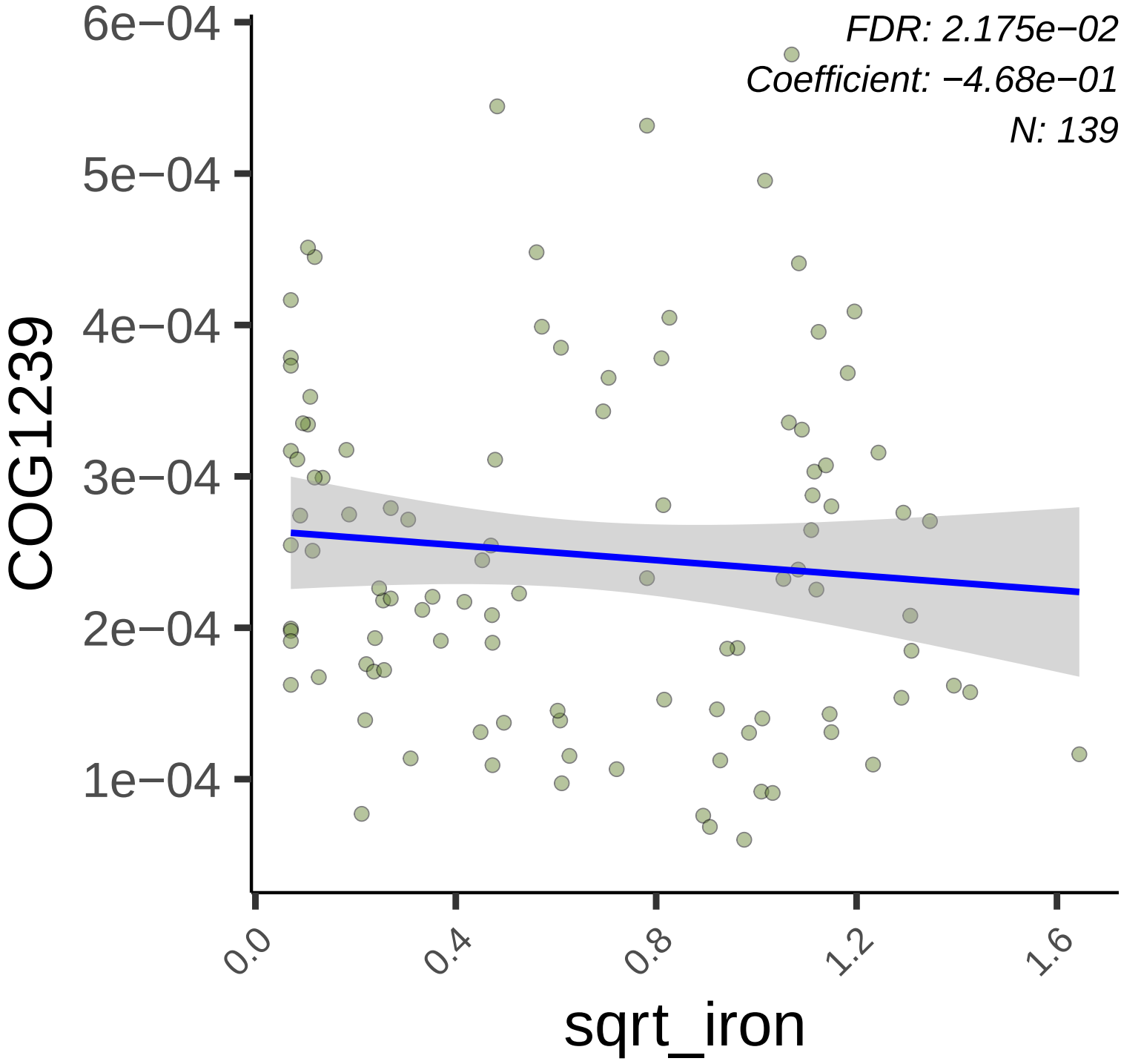
sqrt_iron


FDR: 2.175e−02
Coefficient: −4.68e−01
N: 139
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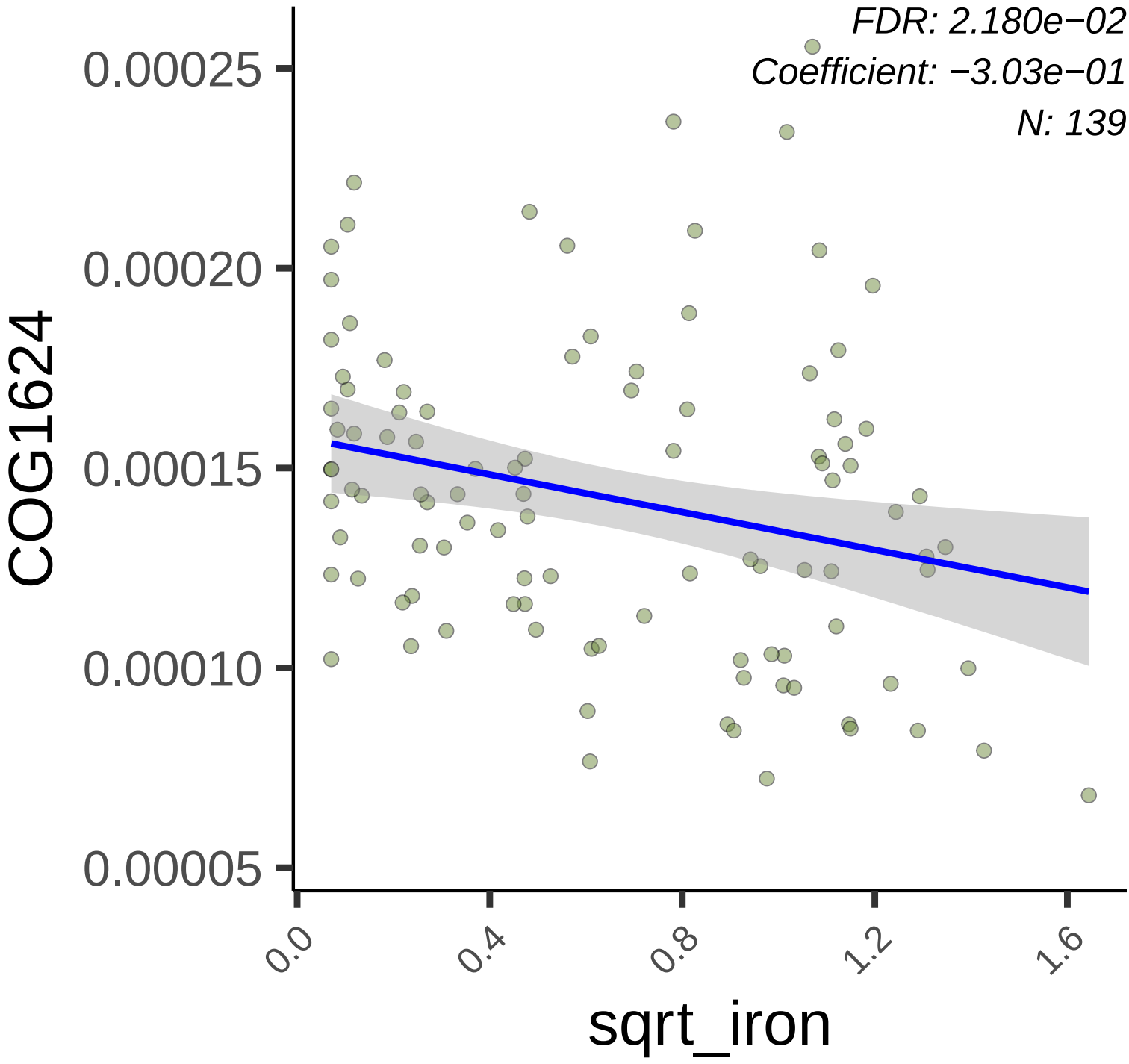
sqrt_iron


FDR: 2.180e−02
Coefficient: −3.03e−01
N: 139
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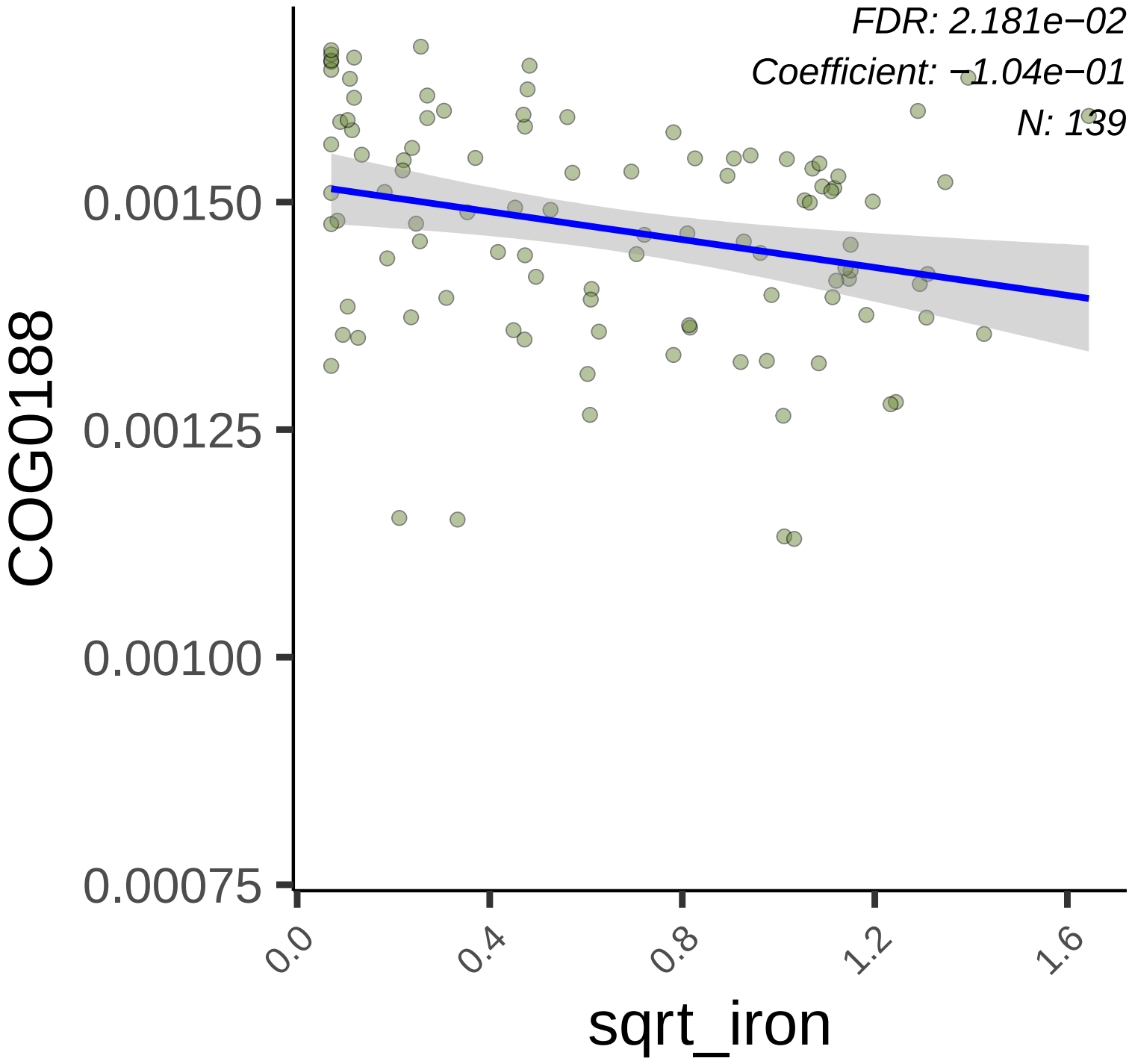
sqrt_iron


FDR: 2.181e−02
Coefficient: −1.04e−01
N: 139
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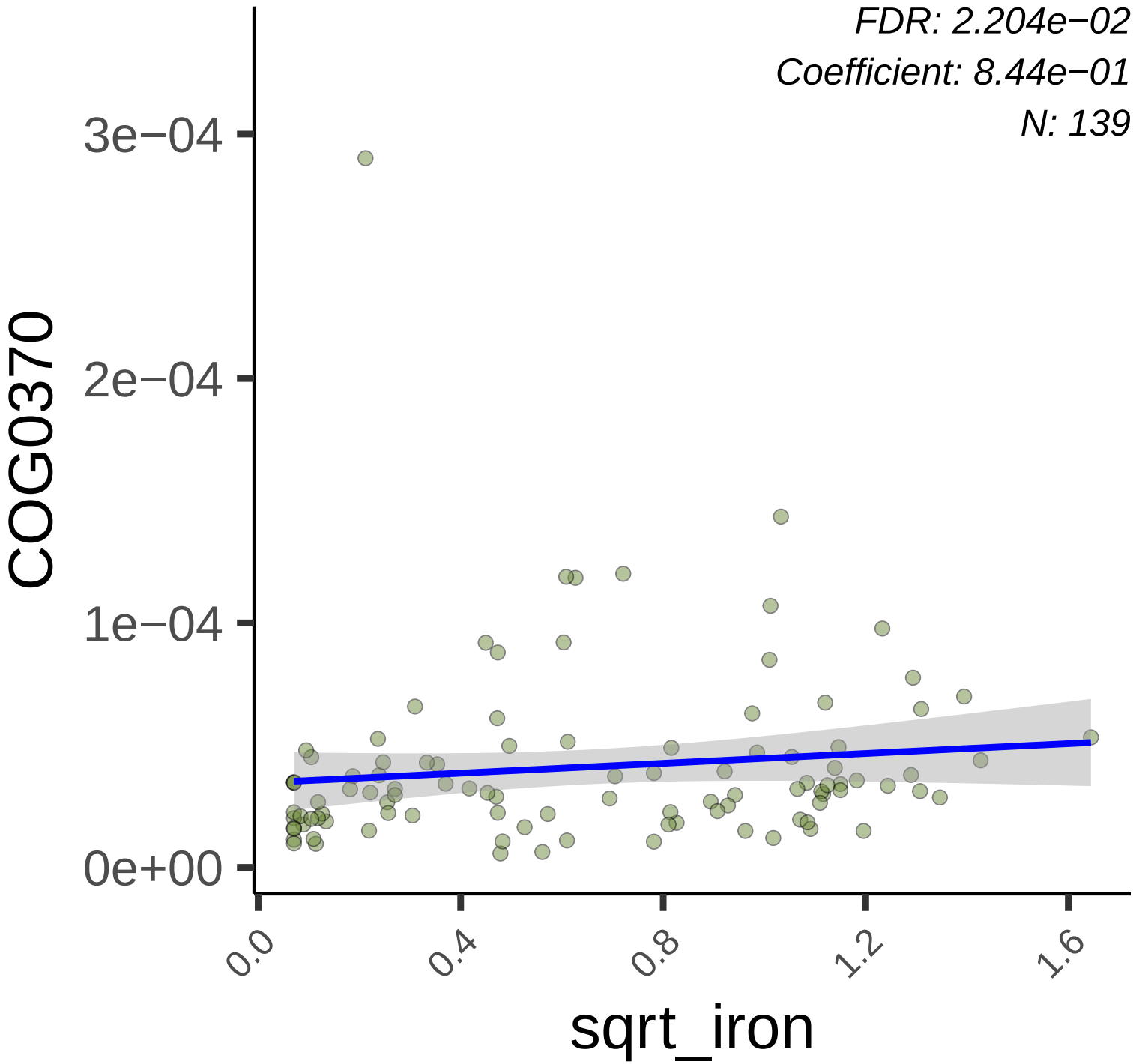
sqrt_iron


FDR: 2.204e−02
Coefficient: 8.44e−01
N: 139
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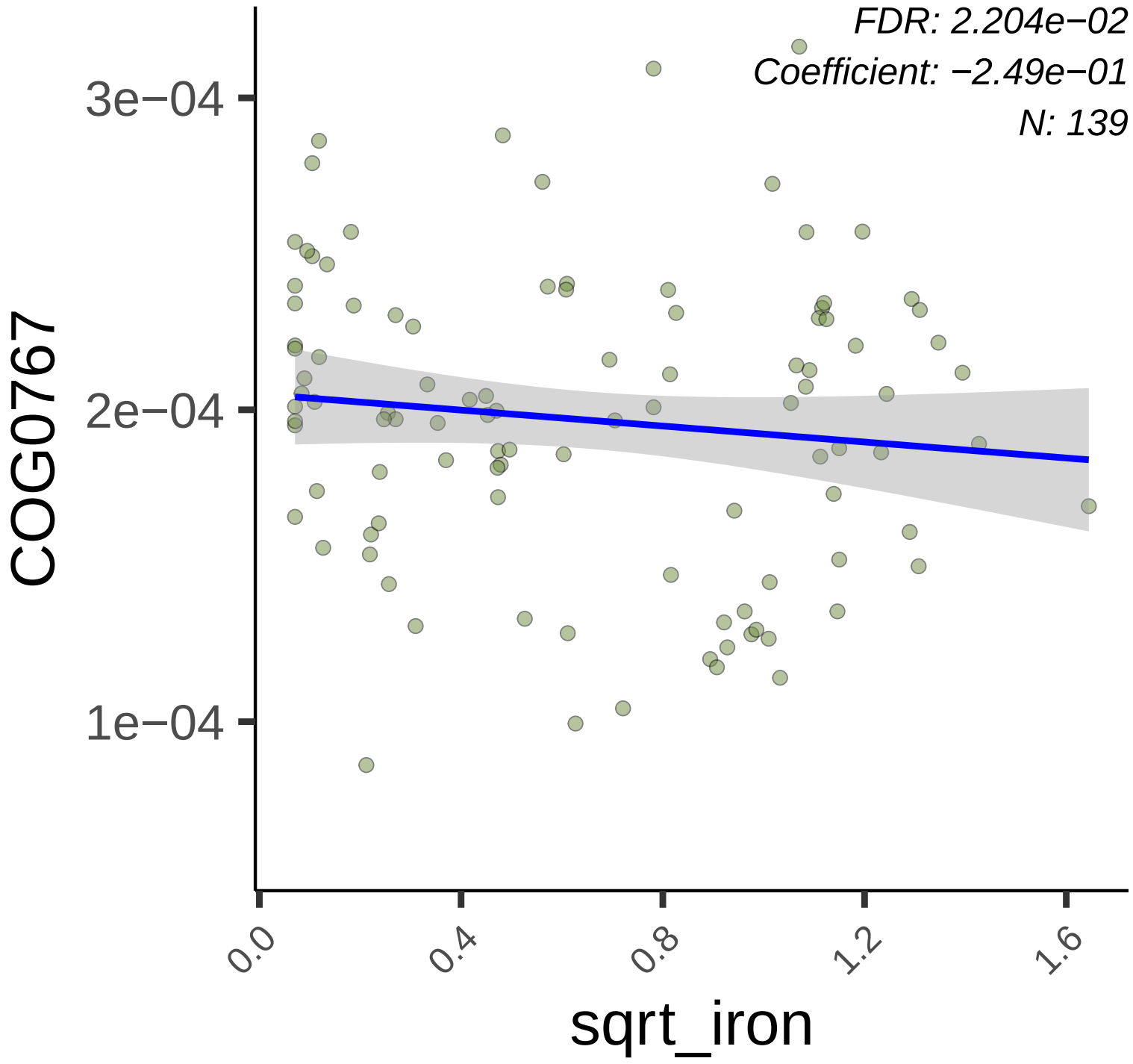
sqrt_iron


FDR: 2.204e−02
Coefficient: −2.49e−01
N: 139
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1.2
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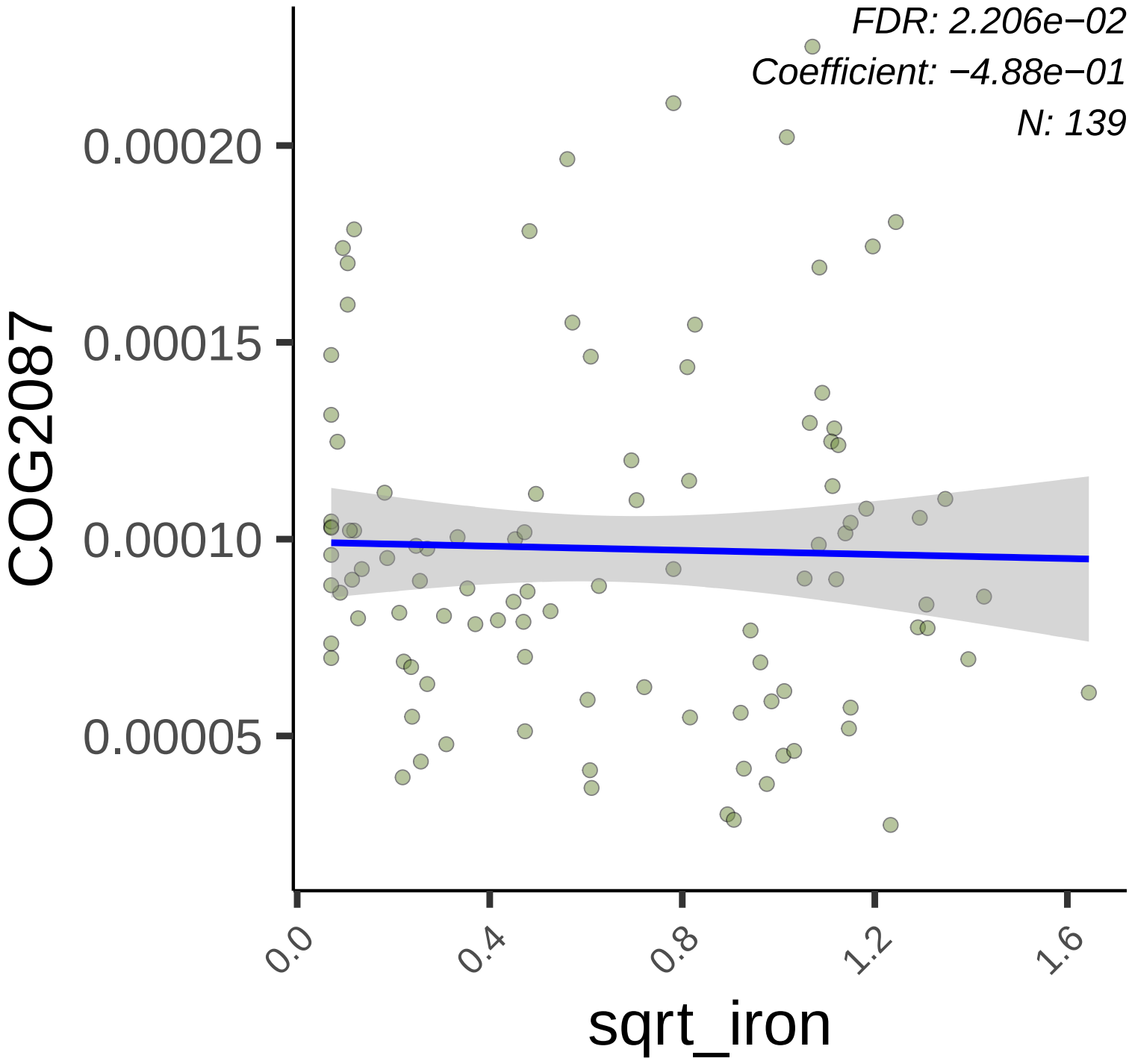
sqrt_iron


FDR: 2.206e−02
Coefficient: −4.88e−01
N: 139
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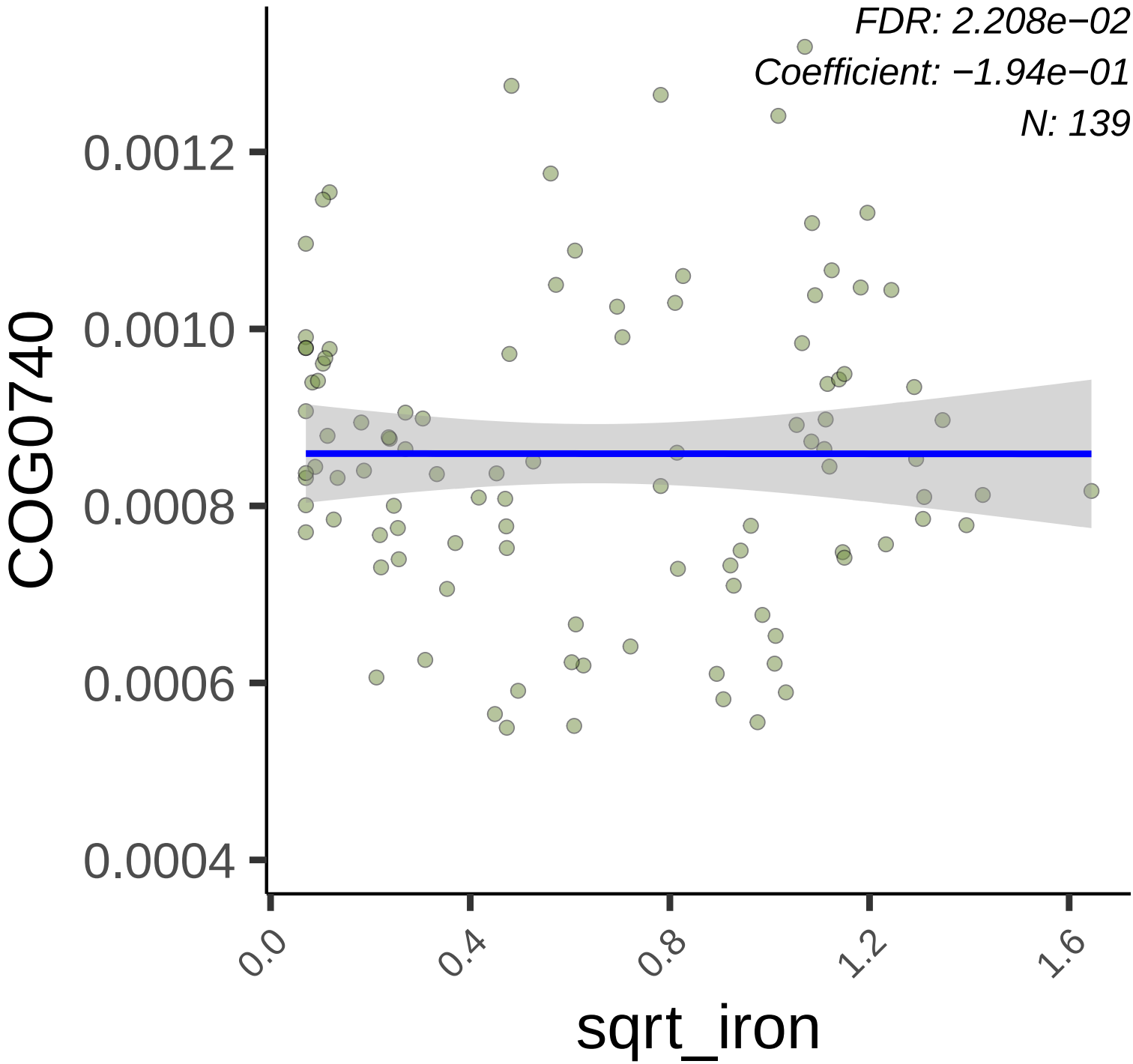
1.2
1.6
sqrt_iron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Coefficient: −1.94e−01
N: 139
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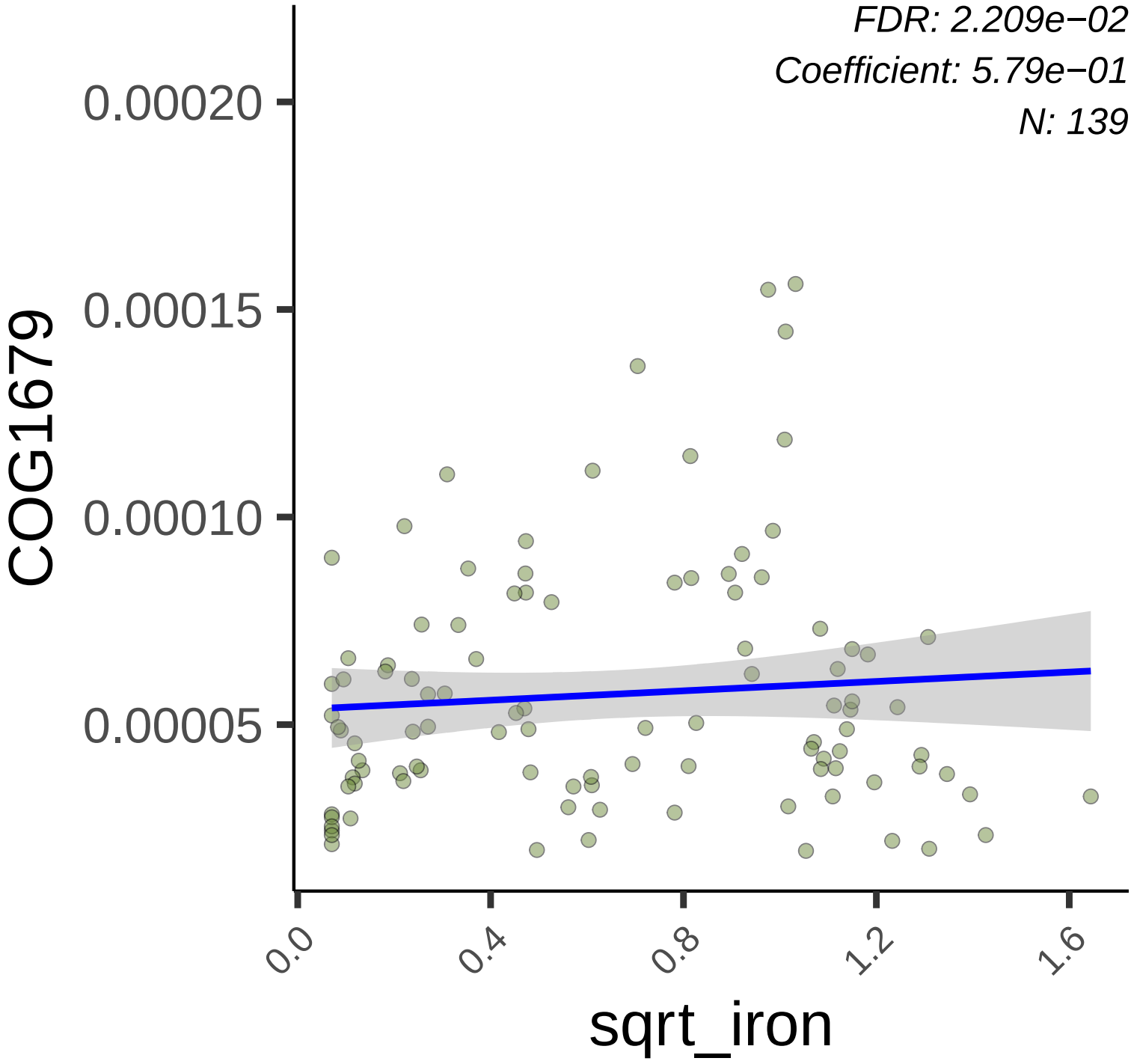
1.2
1.6
sqrt_iron


FDR: 2.209e−02
Coefficient: 5.79e−01
N: 139
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0.4
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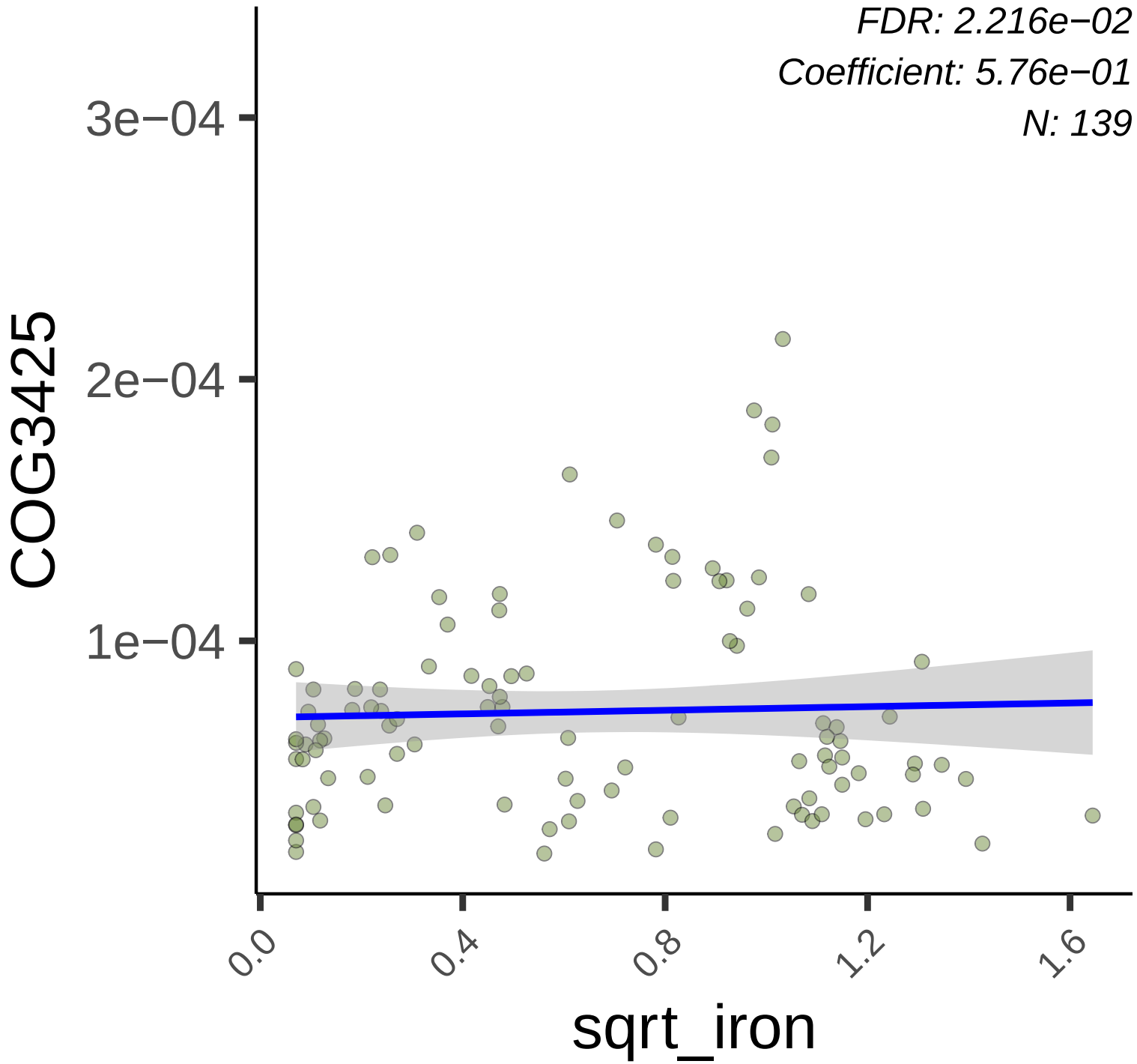
1.2
1.6
sqrt_iron


FDR: 2.216e−02
Coefficient: 5.76e−01
N: 139
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COG3425
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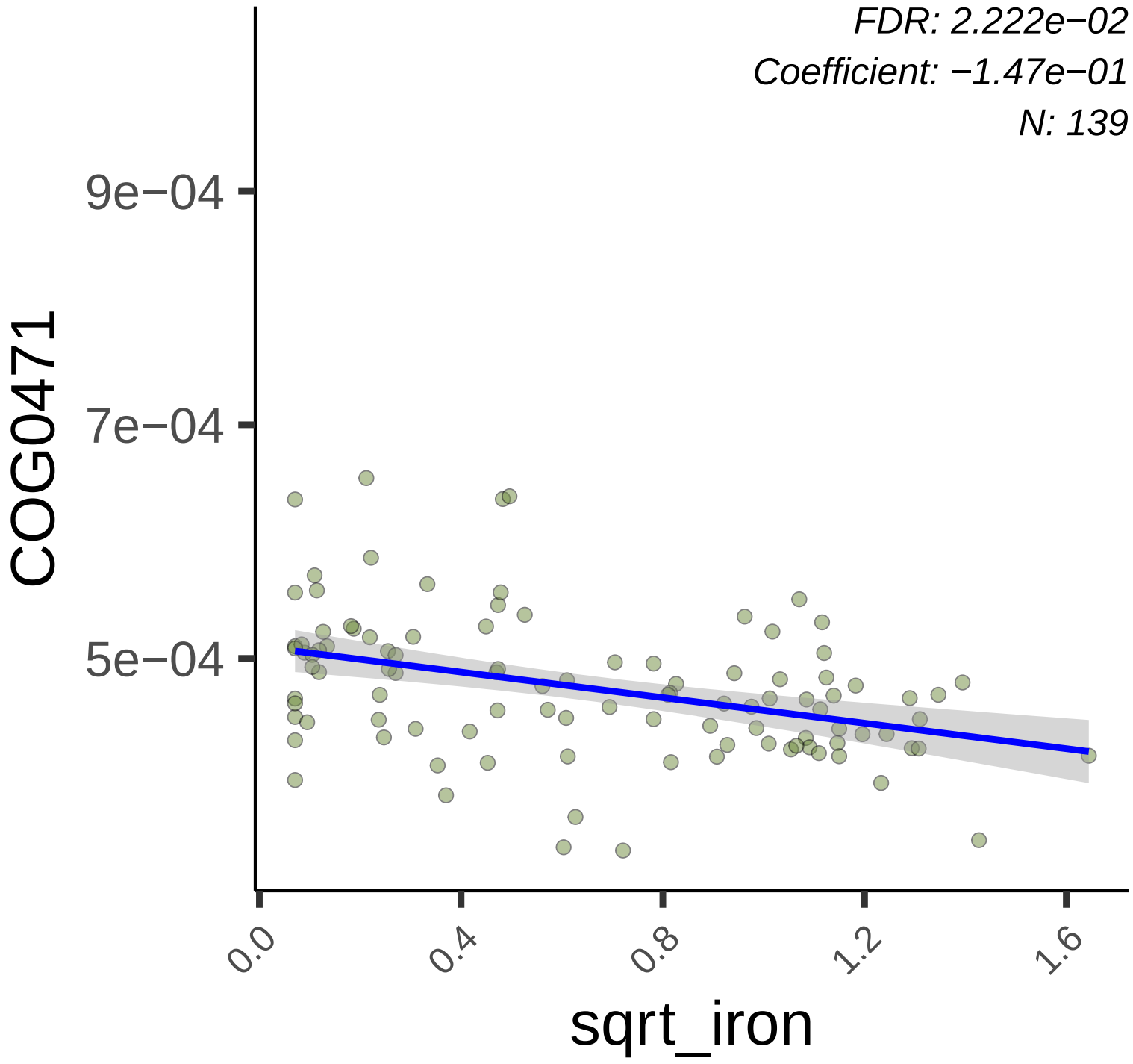
0.8
1.2
1.6
sqrt_iron


FDR: 2.222e−02
Coefficient: −1.47e−01
N: 139
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7e−04
5e−04
COG0471
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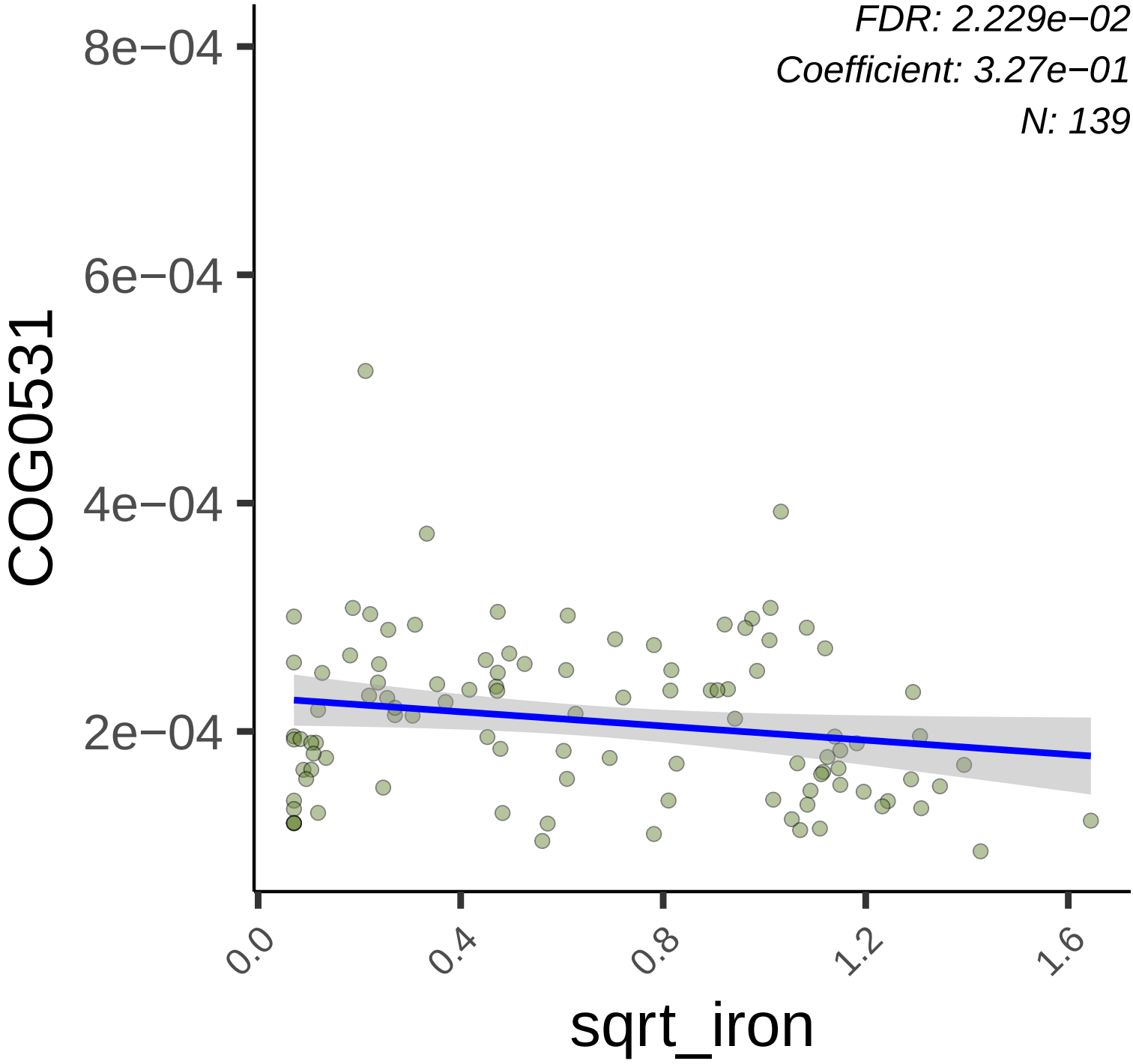
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.229e−02
Coefficient: 3.27e−01
N: 139
8e−04
6e−04
4e−04
2e−04
COG0531
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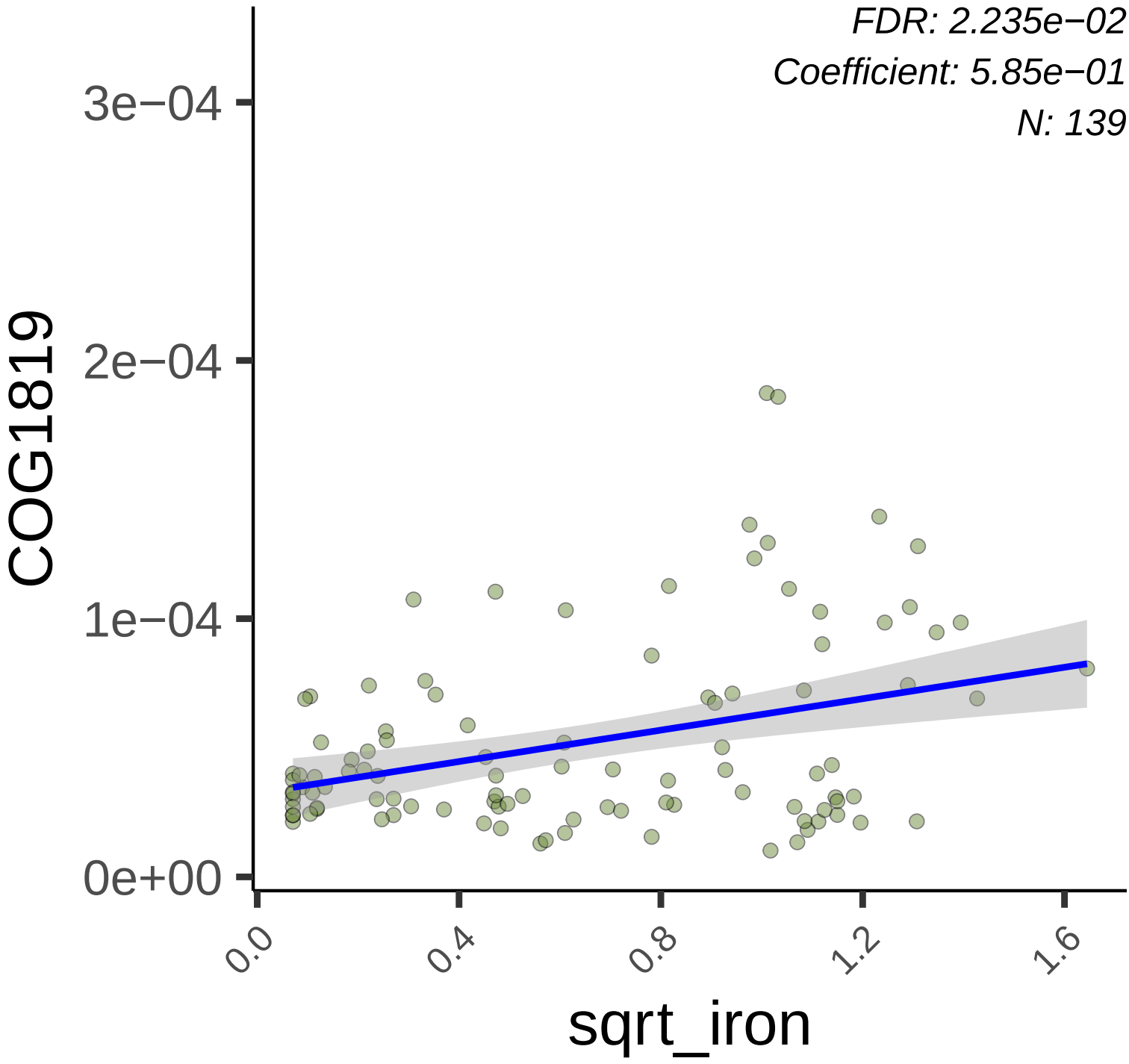
1.6
sqrt_iron


FDR: 2.235e−02
Coefficient: 5.85e−01
N: 139
COG1819
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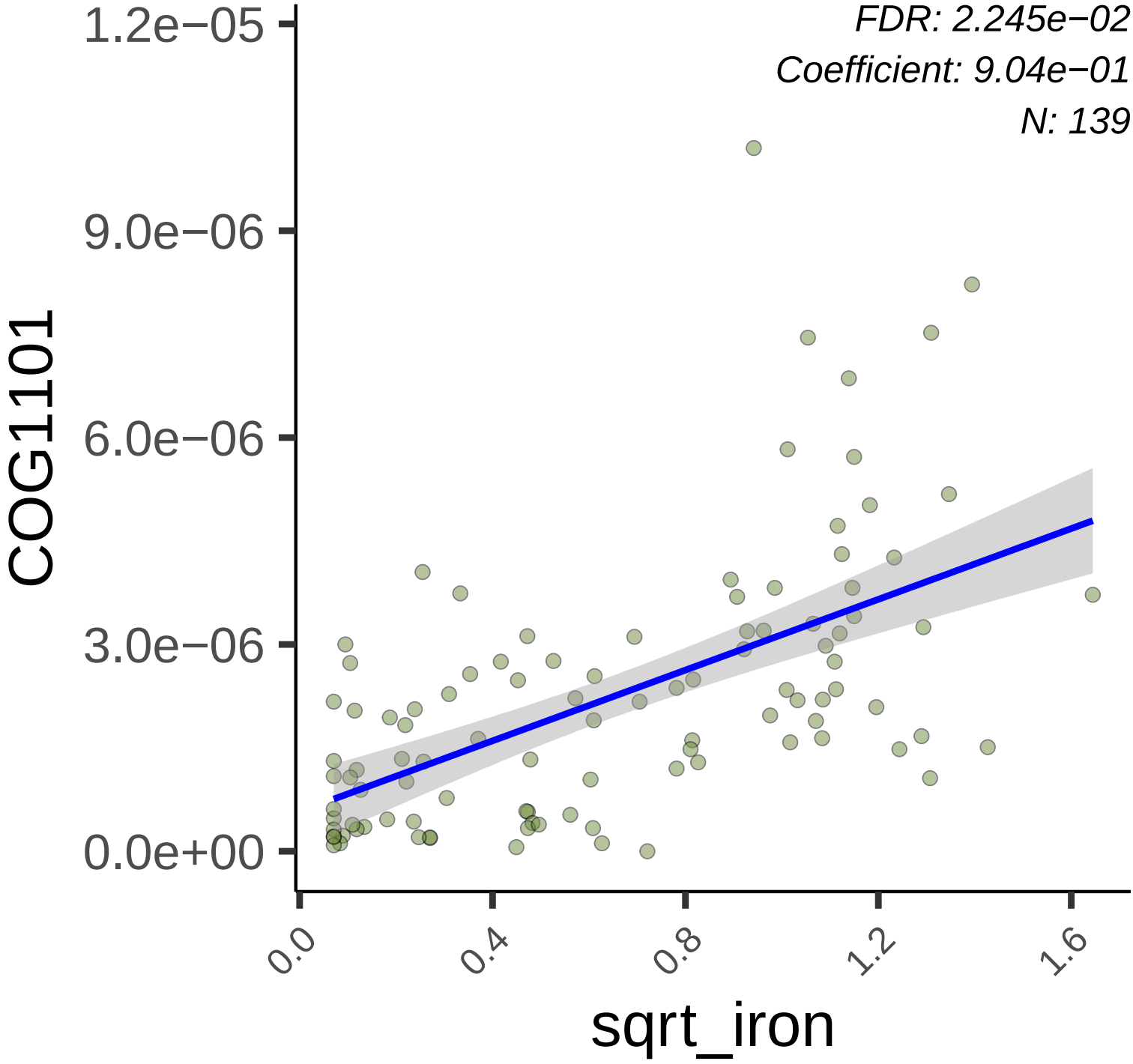
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.245e−02
Coefficient: 9.04e−01
N: 139
1.2e−05
9.0e−06
6.0e−06
3.0e−06
0.0e+00
COG1101
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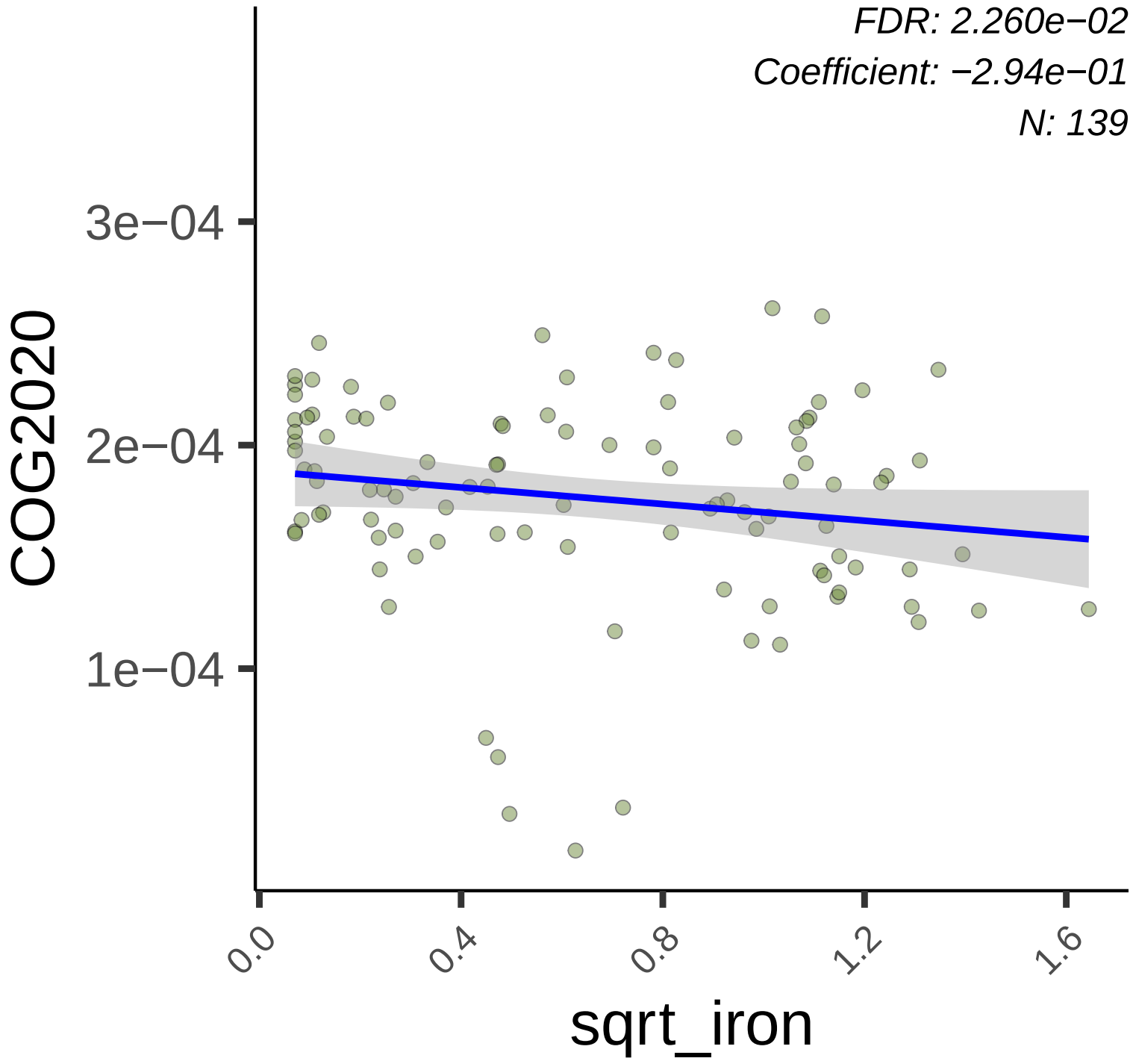
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.260e−02
Coefficient: −2.94e−01
N: 139
3e−04
2e−04
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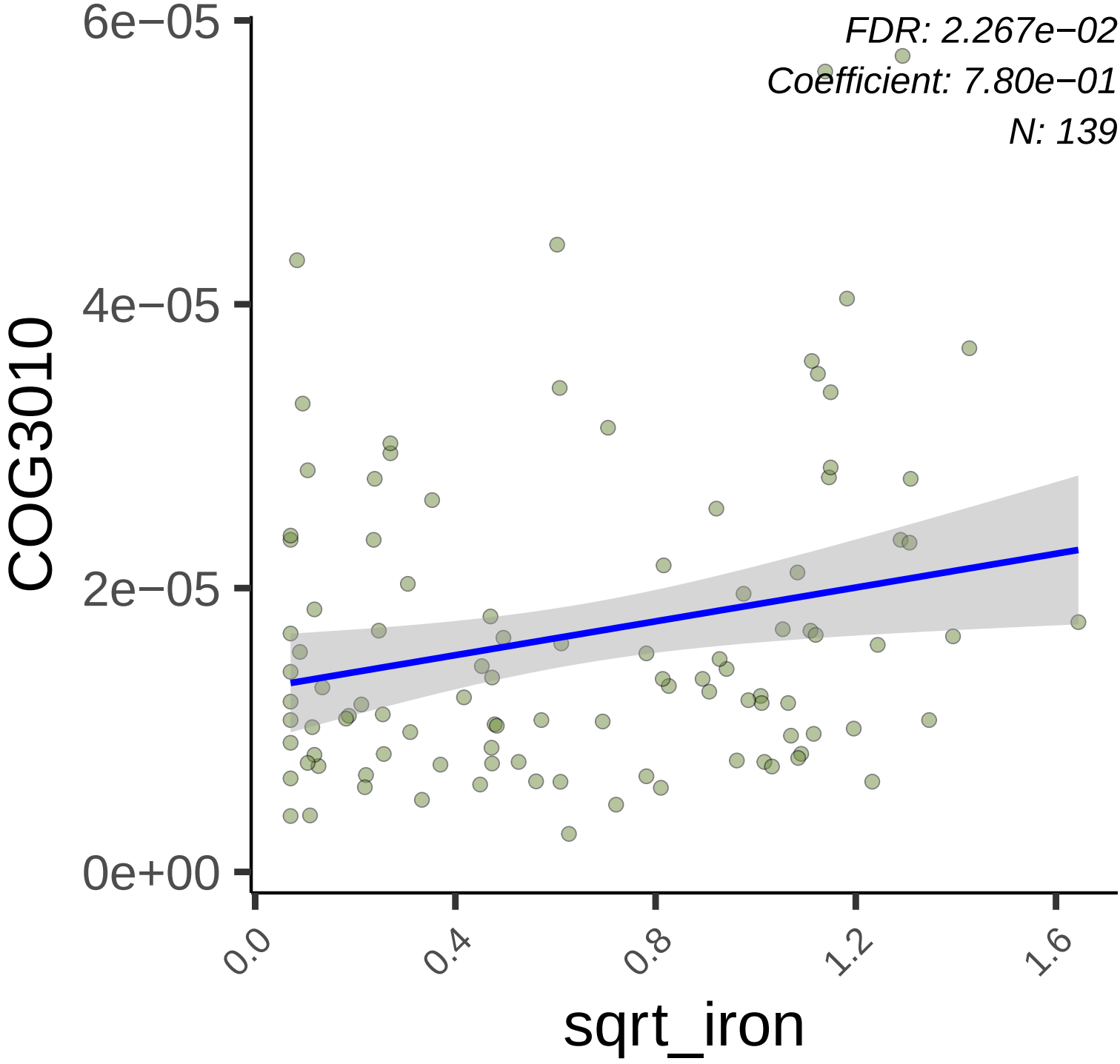
COG2020
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.267e−02
Coefficient: 7.80e−01
N: 139
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COG3010
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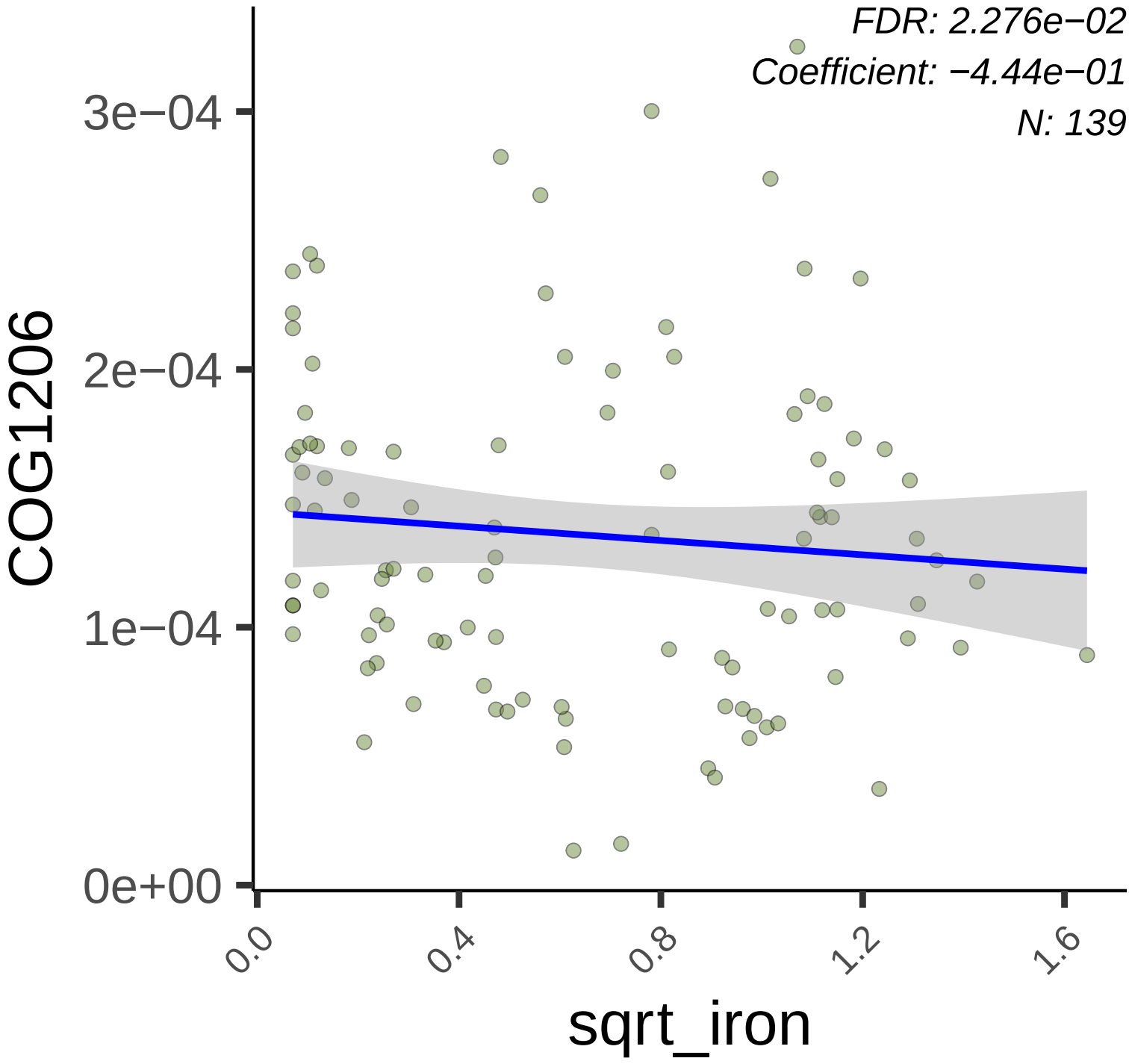
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.276e−02
Coefficient: −4.44e−01
N: 139
COG1206
3e−04
2e−04
1e−04
0e+00
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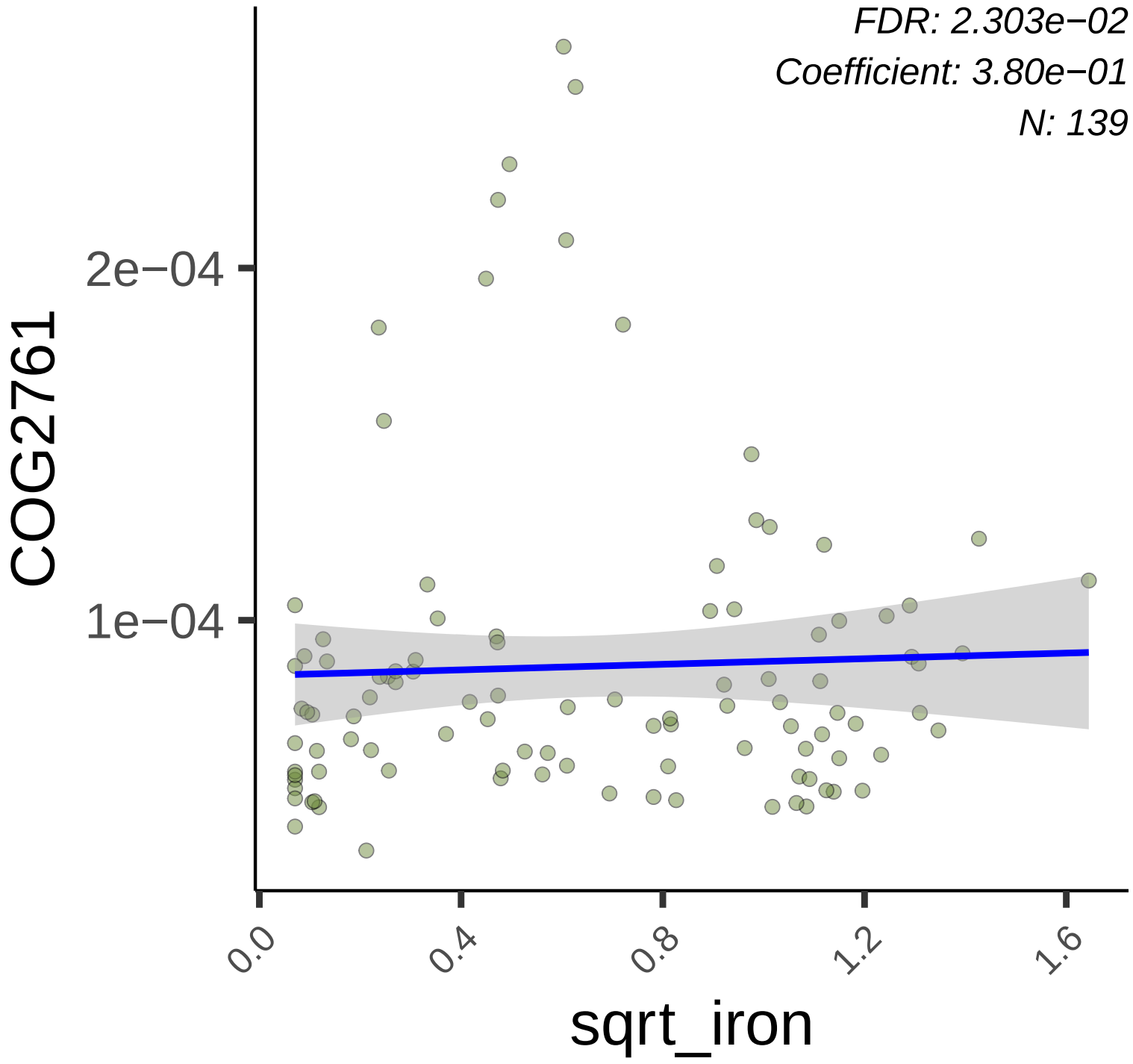
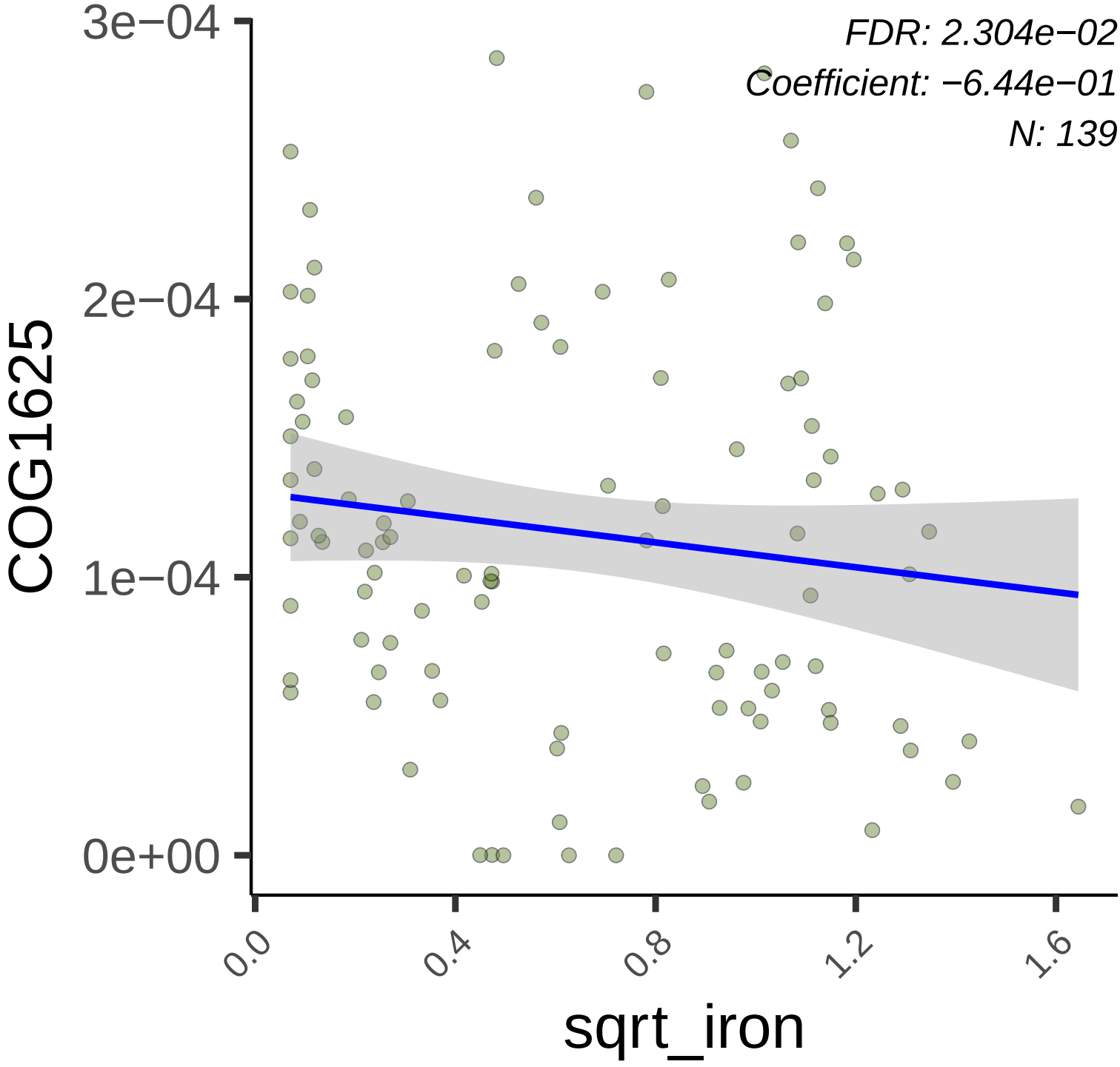
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.303e−02
Coefficient: 3.80e−01
N: 139
COG2761
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.304e−02
Coefficient: −6.44e−01
N: 139
3e−04
2e−04
1e−04
0e+00
COG1625
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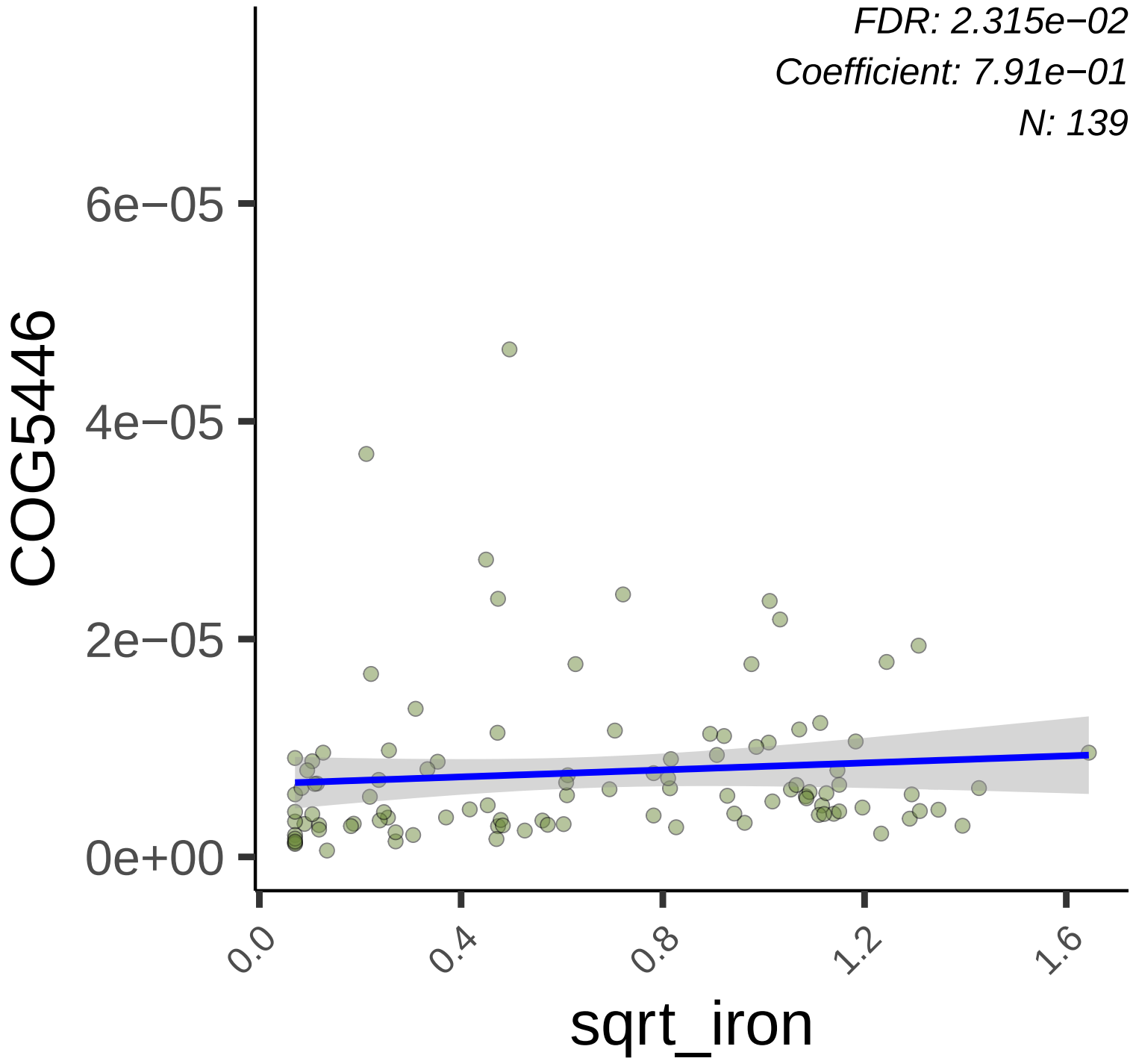
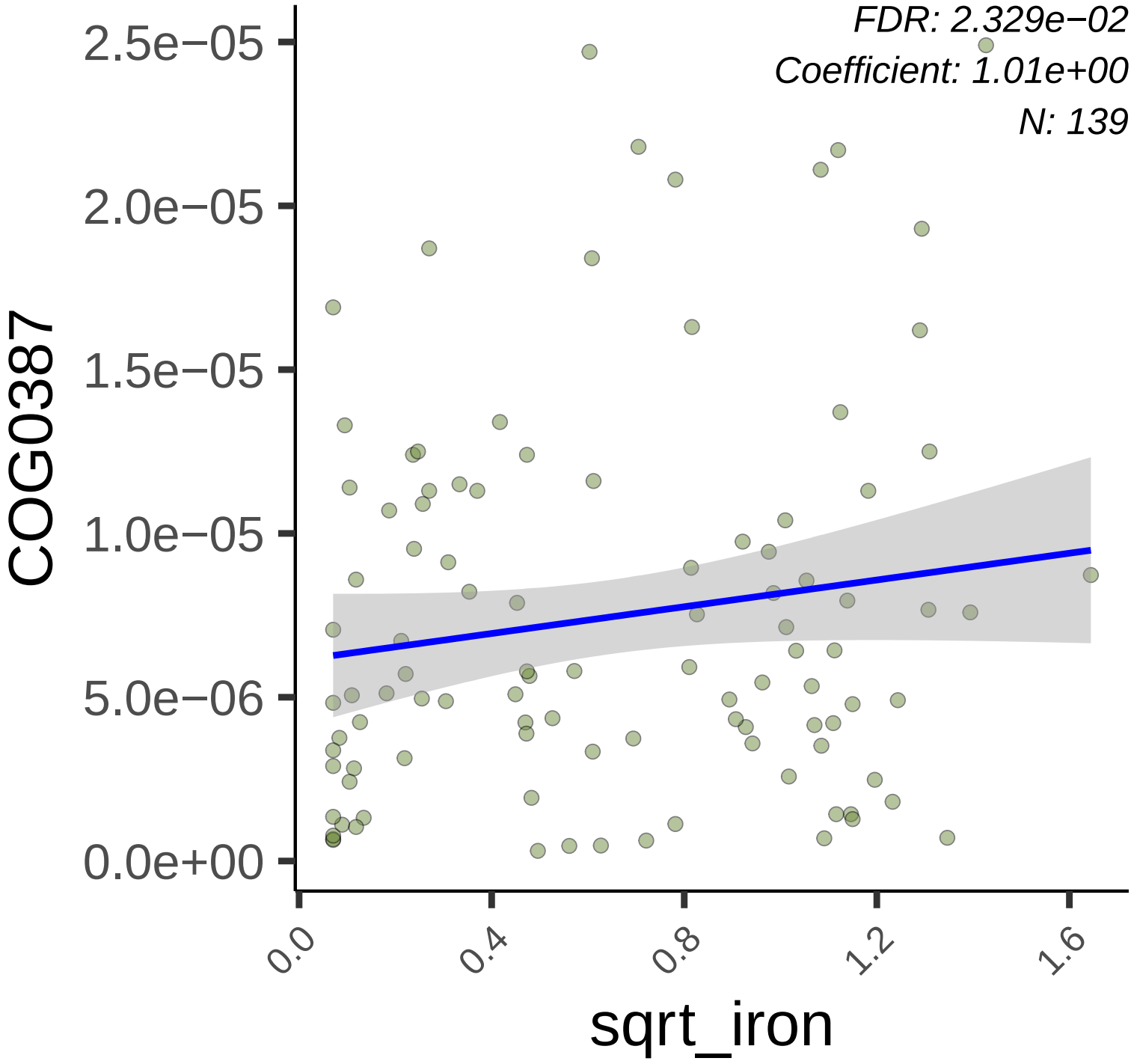
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.315e−02
Coefficient: 7.91e−01
N: 139
COG5446
6e−05
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.329e−02
Coefficient: 1.01e+00
N: 139
COG0387
2.5e−05
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
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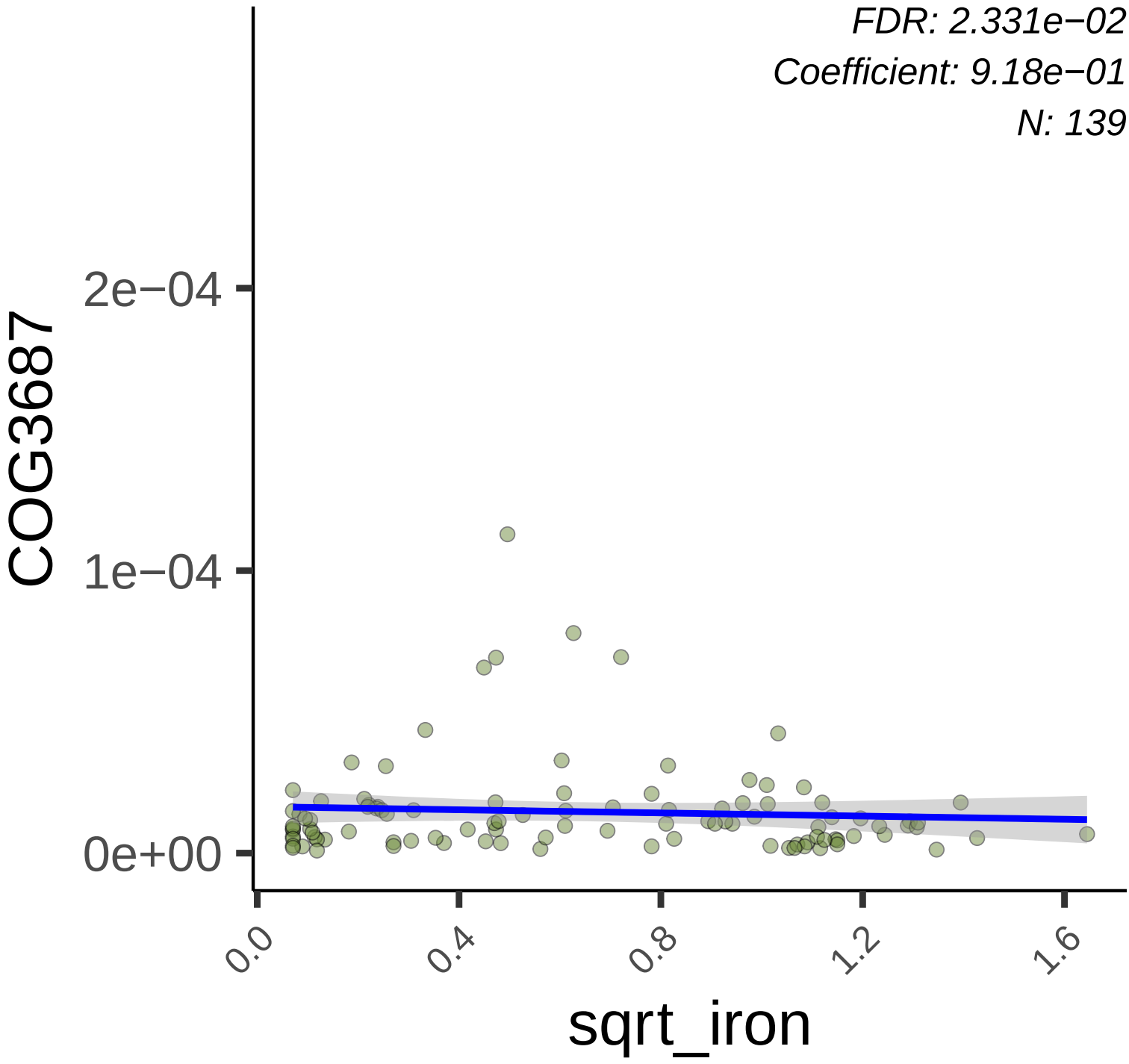
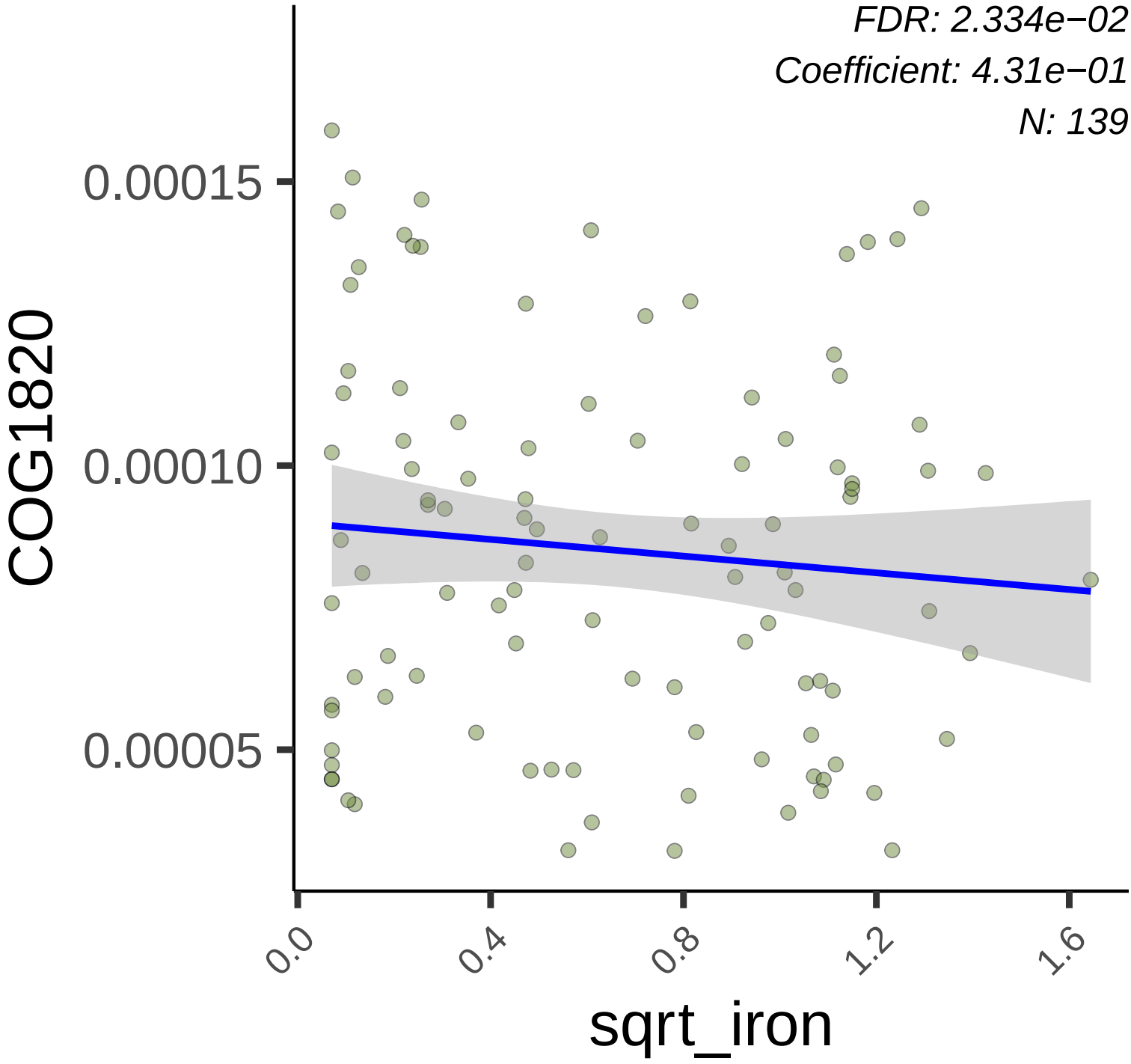
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.331e−02
Coefficient: 9.18e−01
N: 139
COG3687
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.334e−02
Coefficient: 4.31e−01
N: 139
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0.00010
0.00005
COG1820
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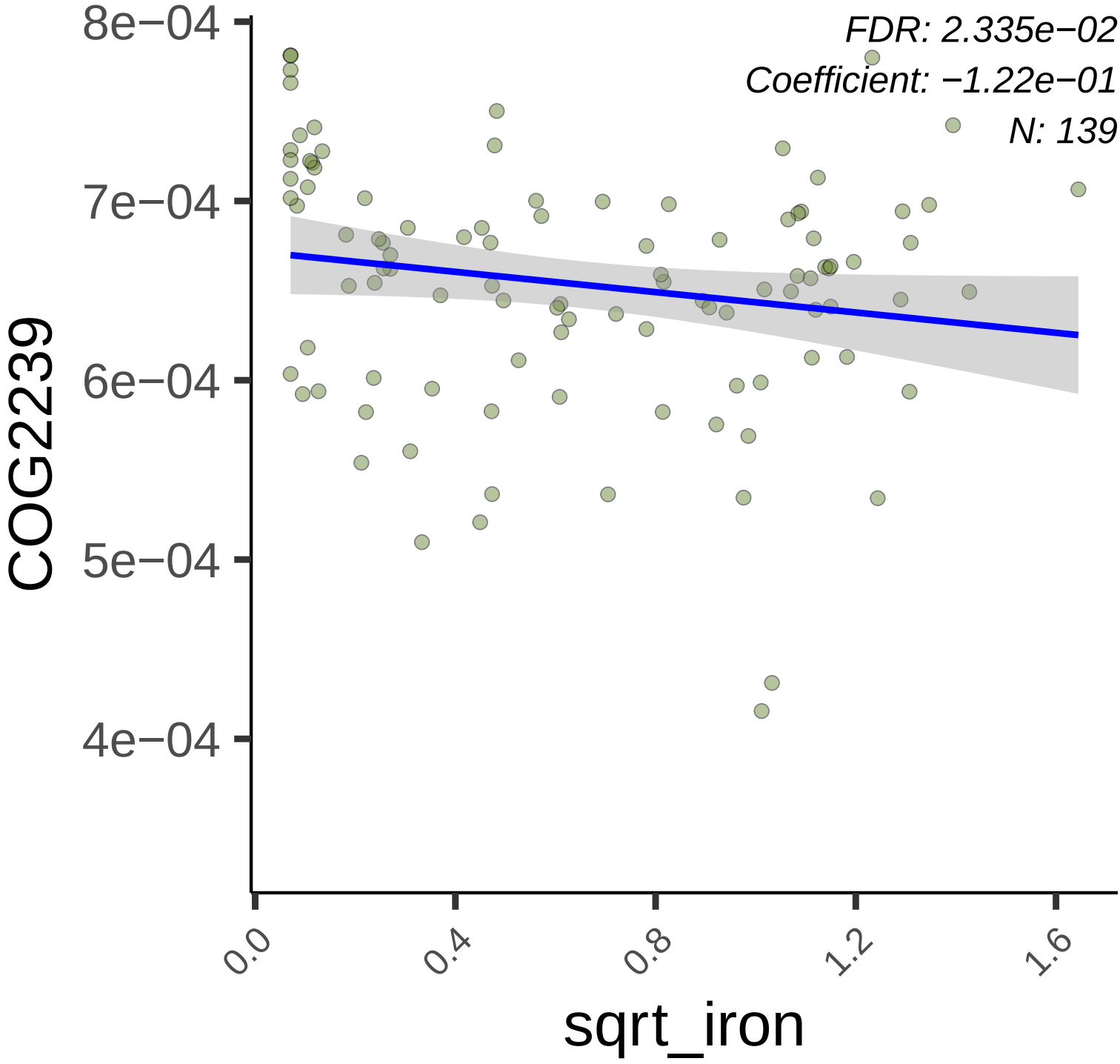
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.335e−02
Coefficient: −1.22e−01
N: 139
8e−04
7e−04
6e−04
5e−04
4e−04
COG2239
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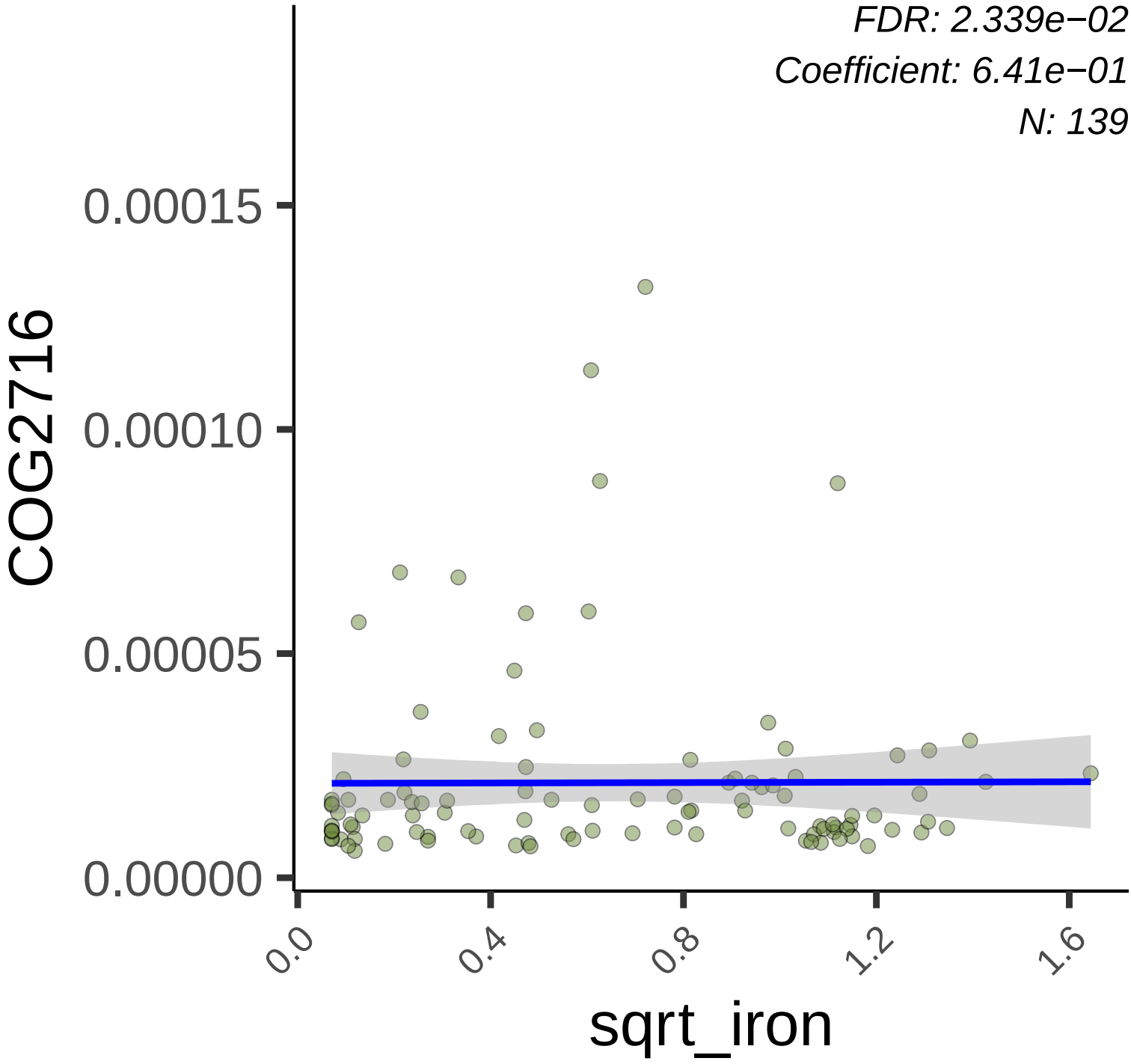
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.339e−02
Coefficient: 6.41e−01
N: 139
COG2716
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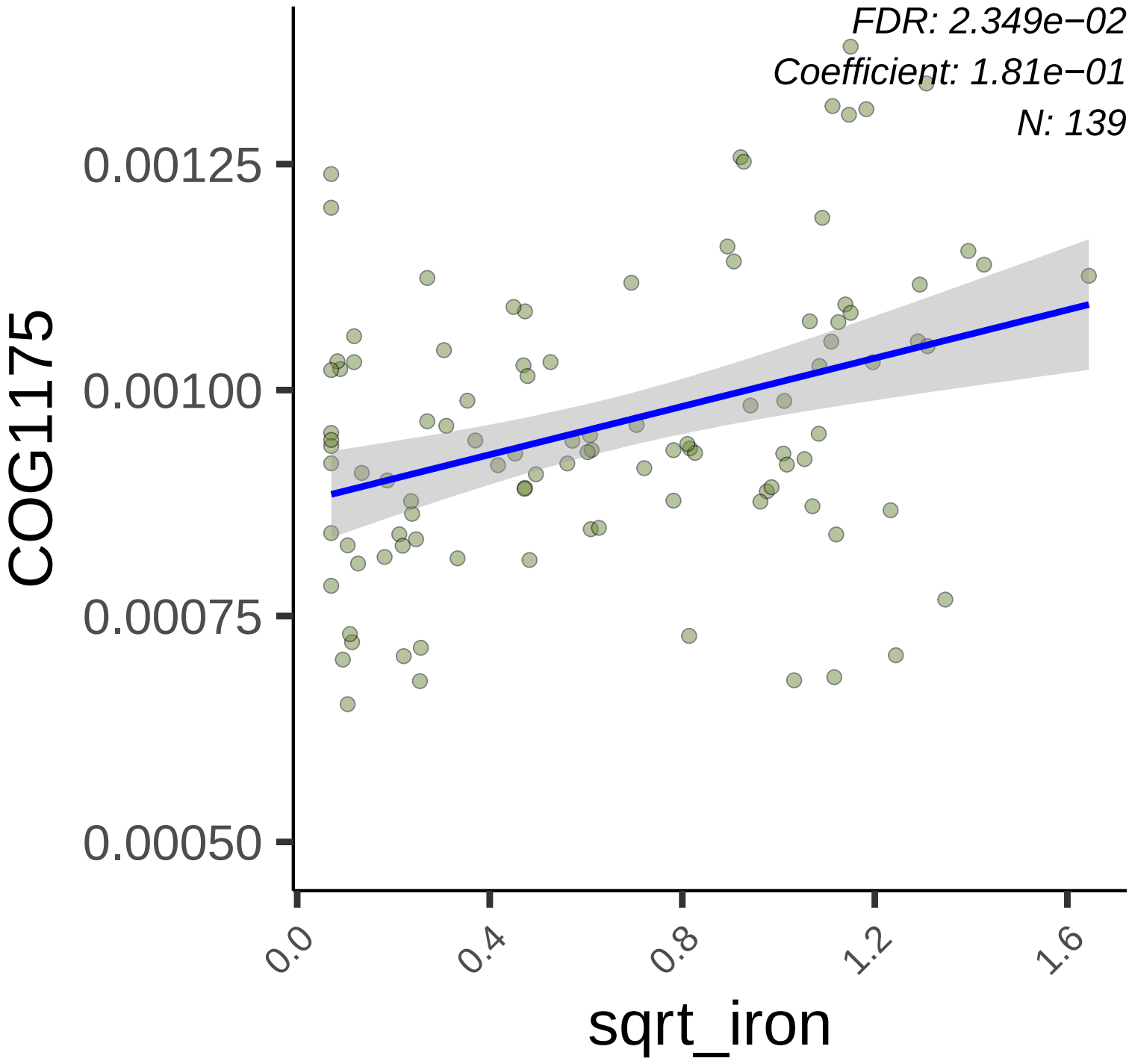
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.349e−02
Coefficient: 1.81e−01
N: 139
COG1175
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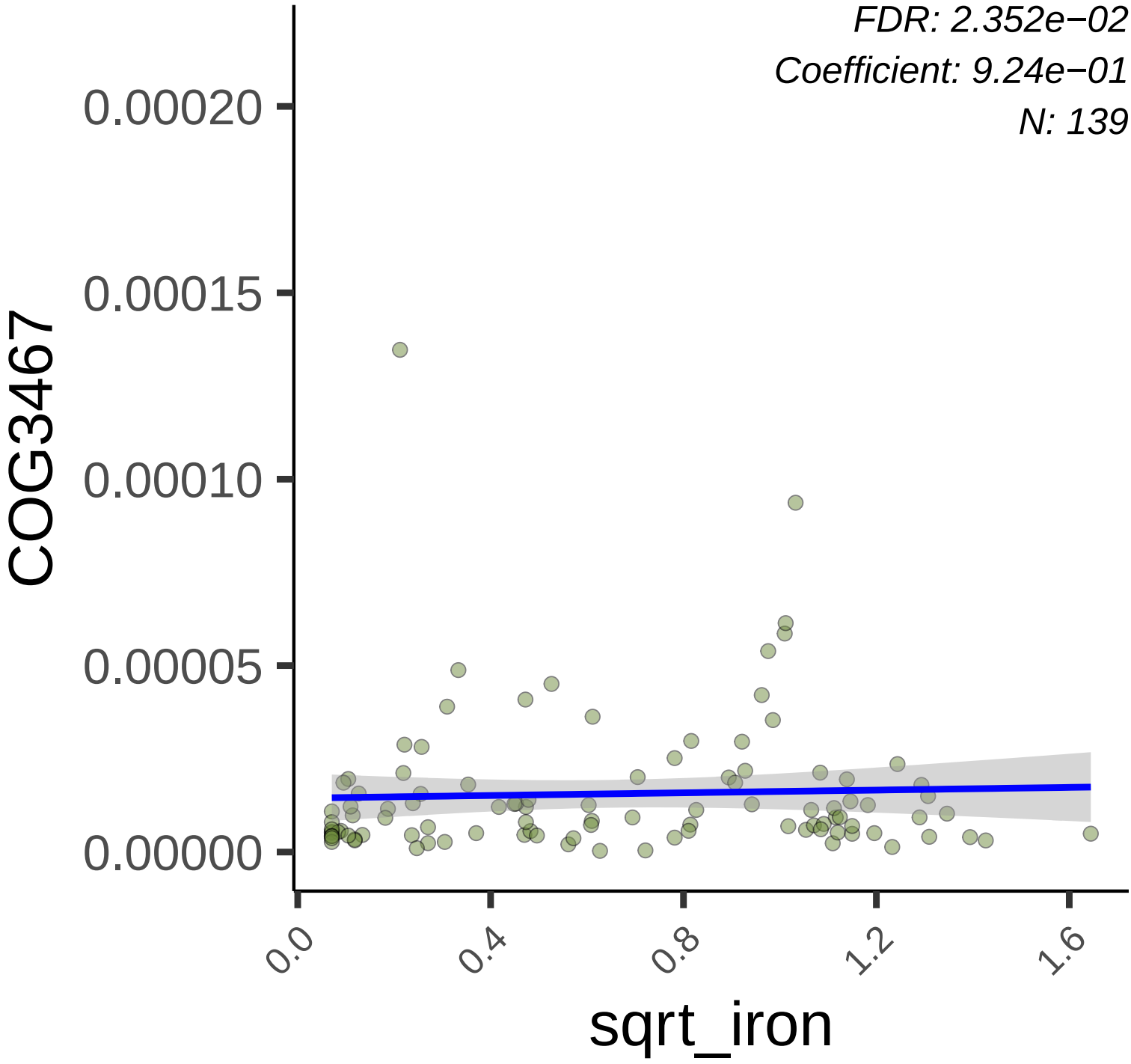
0.00100
0.00075
0.00050
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.352e−02
Coefficient: 9.24e−01
N: 139
COG3467
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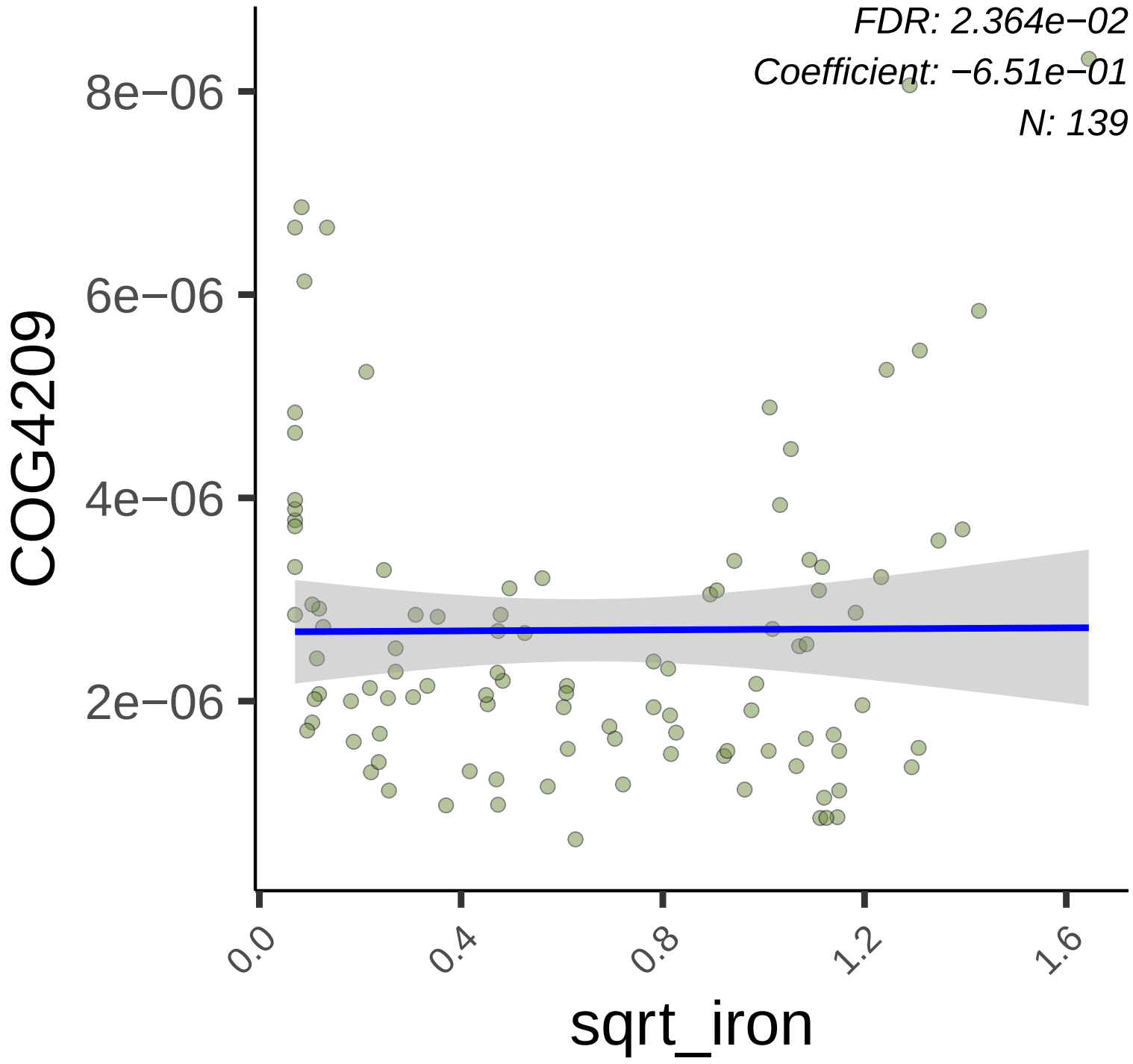
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.364e−02
Coefficient: −6.51e−01
N: 139
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4e−06
2e−06
COG4209
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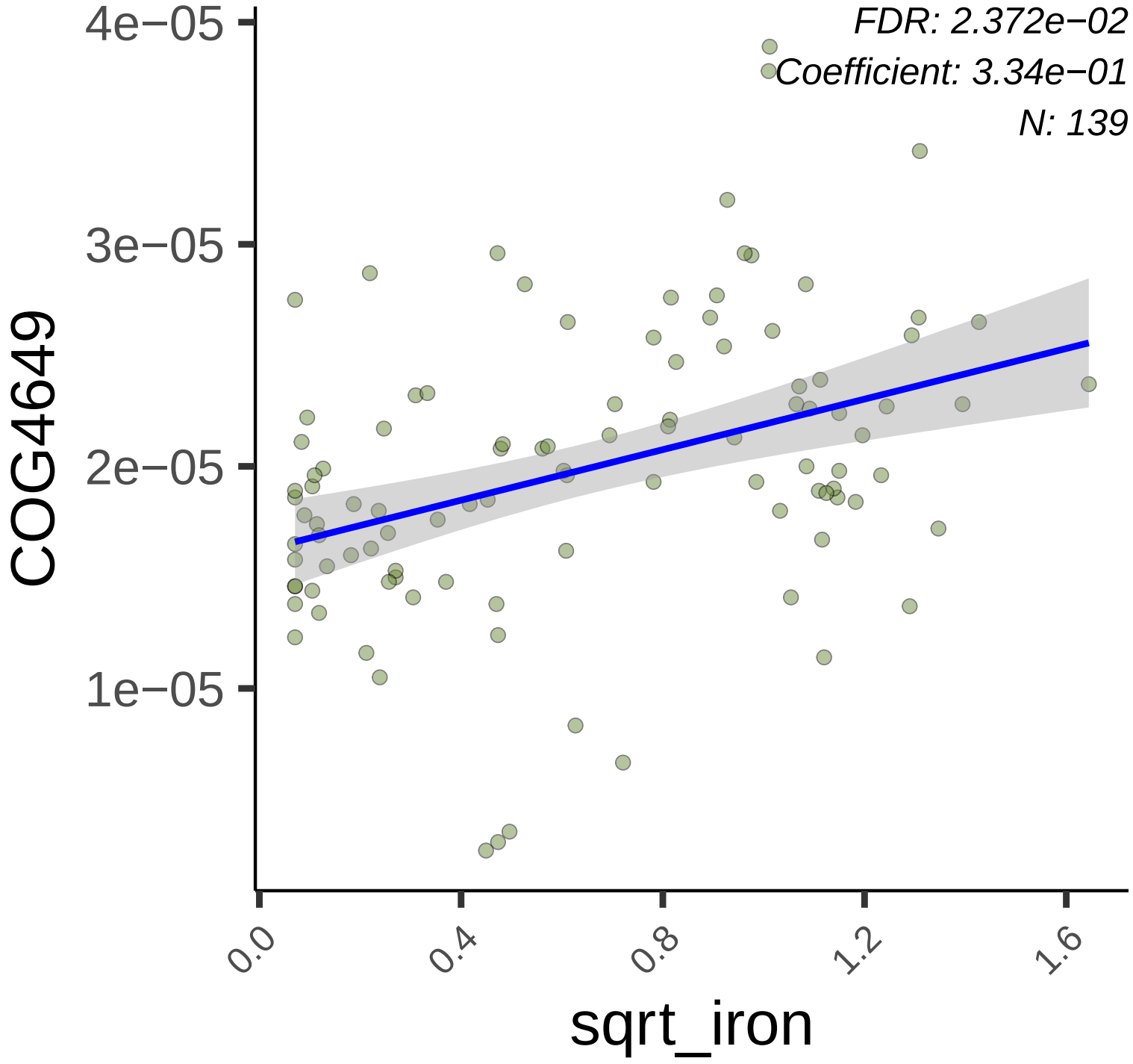
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.372e−02
Coefficient: 3.34e−01
N: 139
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3e−05
2e−05
1e−05
COG4649
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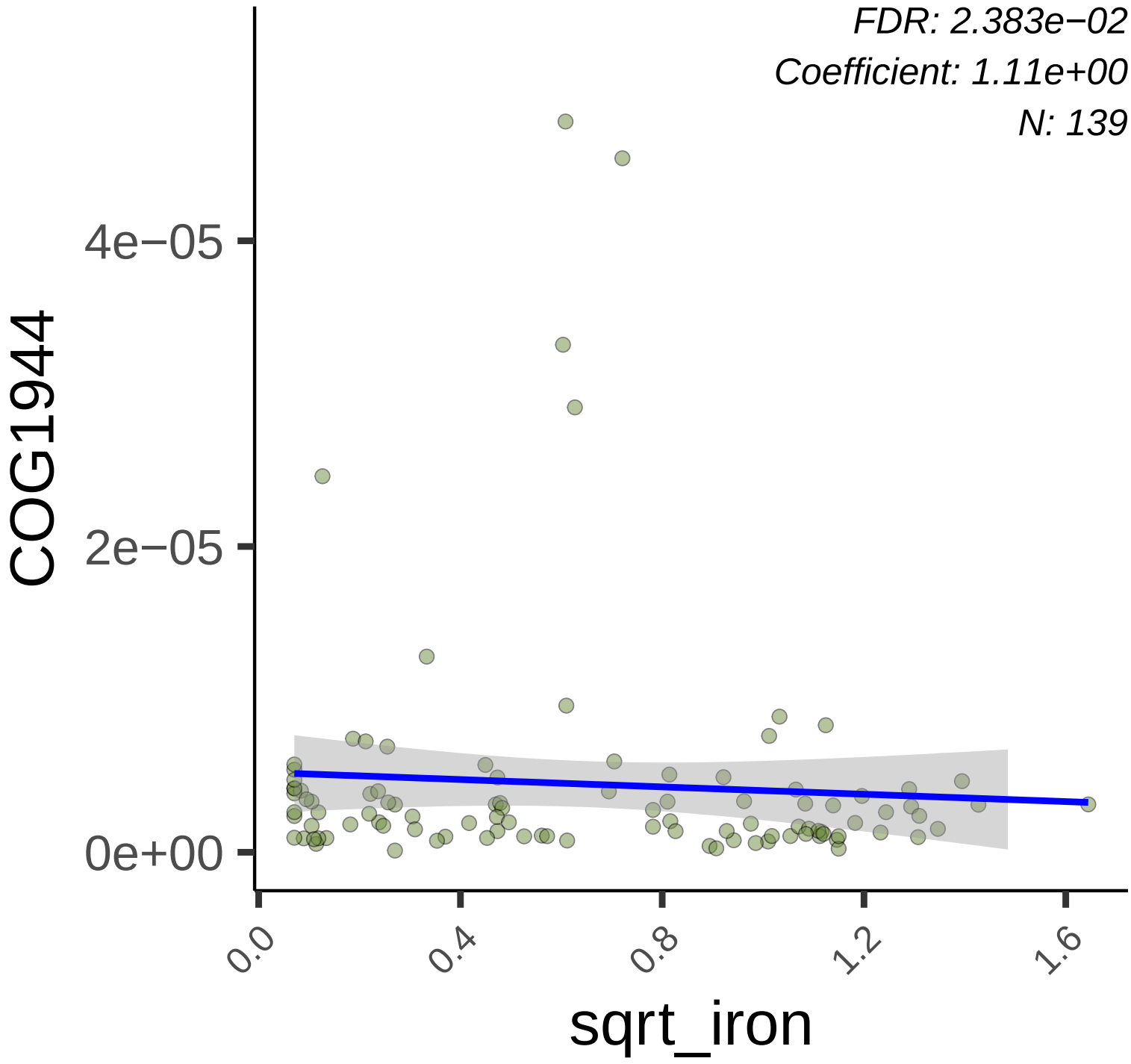
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.383e−02
Coefficient: 1.11e+00
N: 139
COG1944
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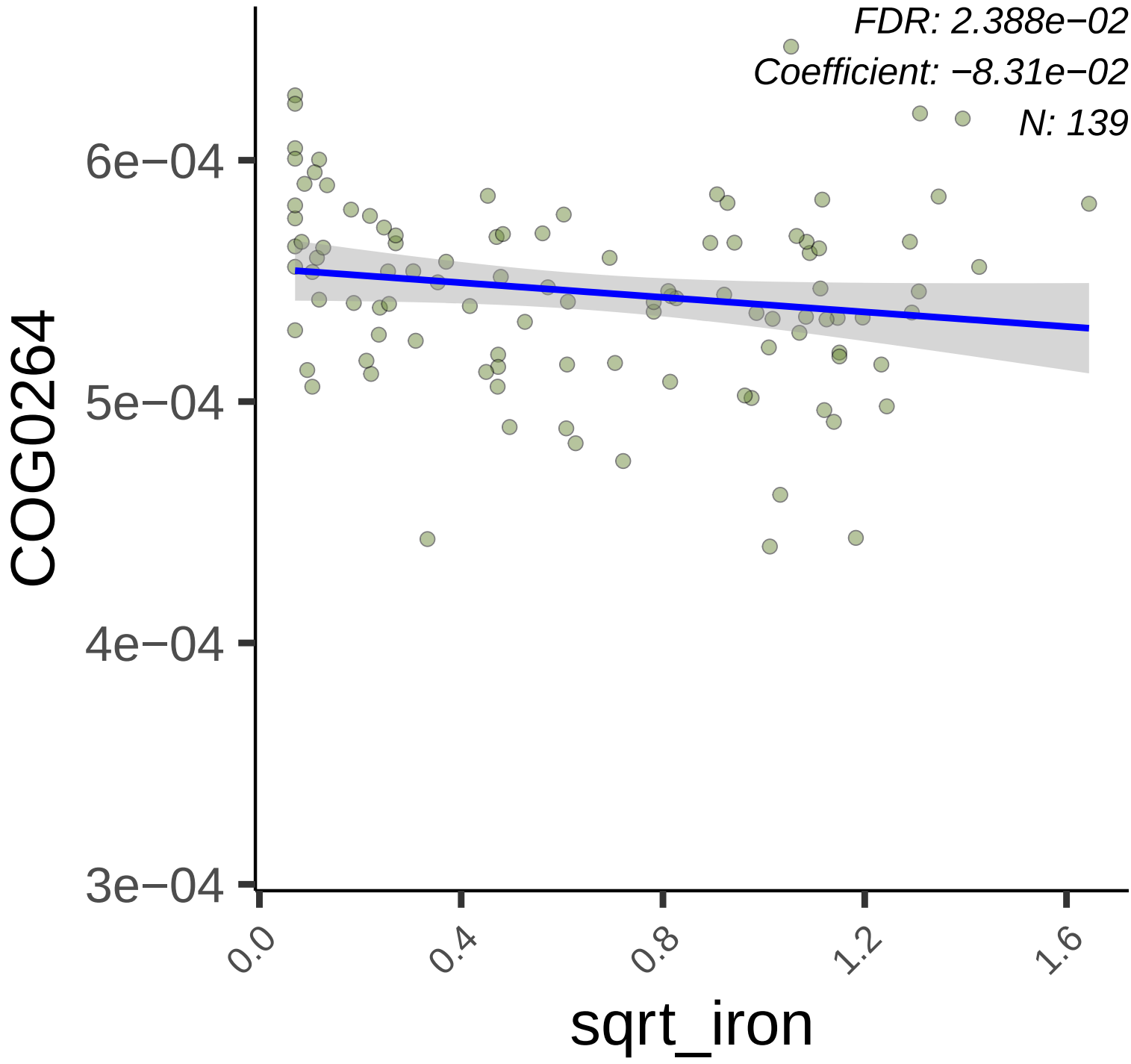
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.388e−02
Coefficient: −8.31e−02
N: 139
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5e−04
4e−04
3e−04
COG0264
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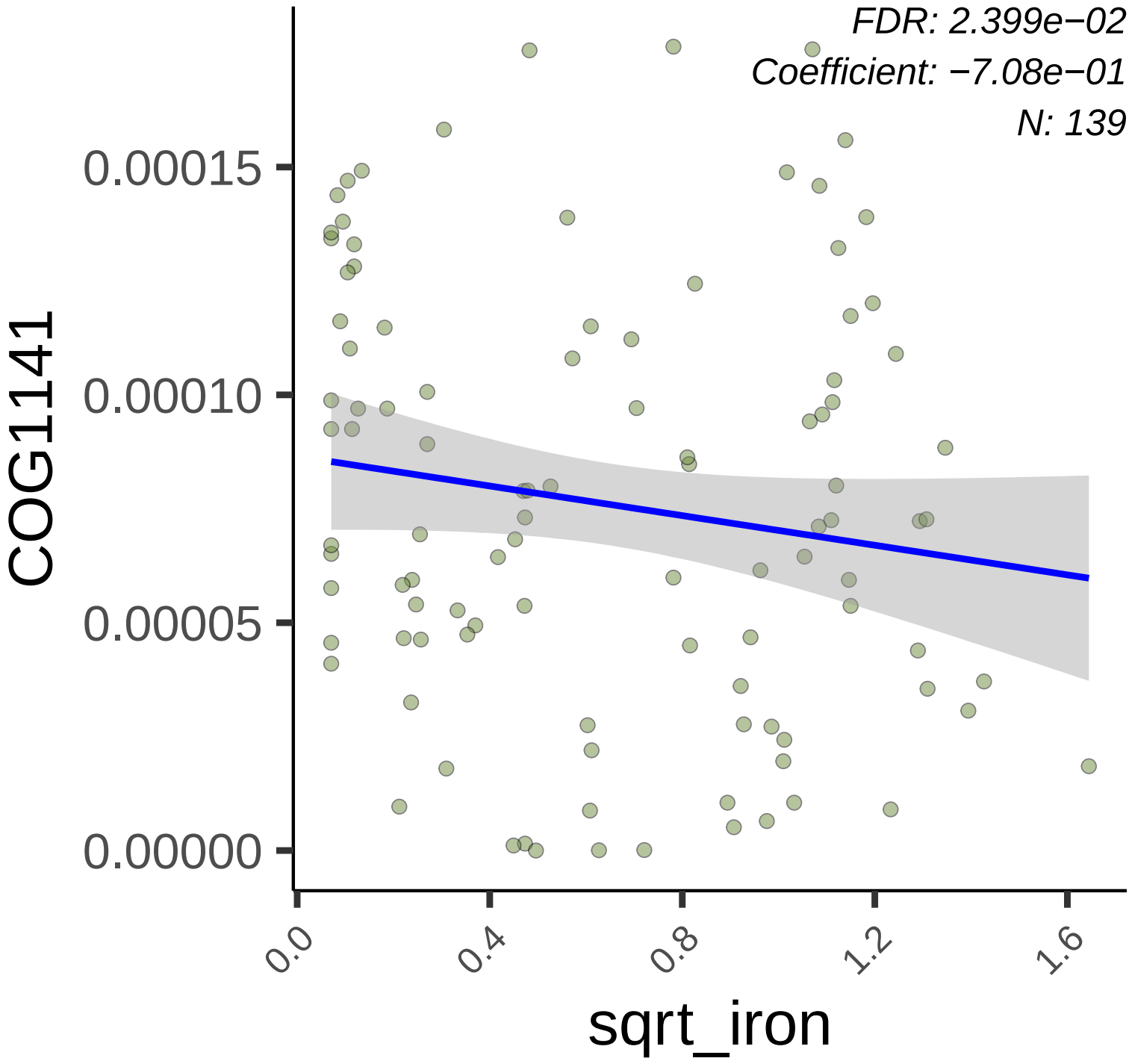
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.399e−02
Coefficient: −7.08e−01
N: 139
COG1141
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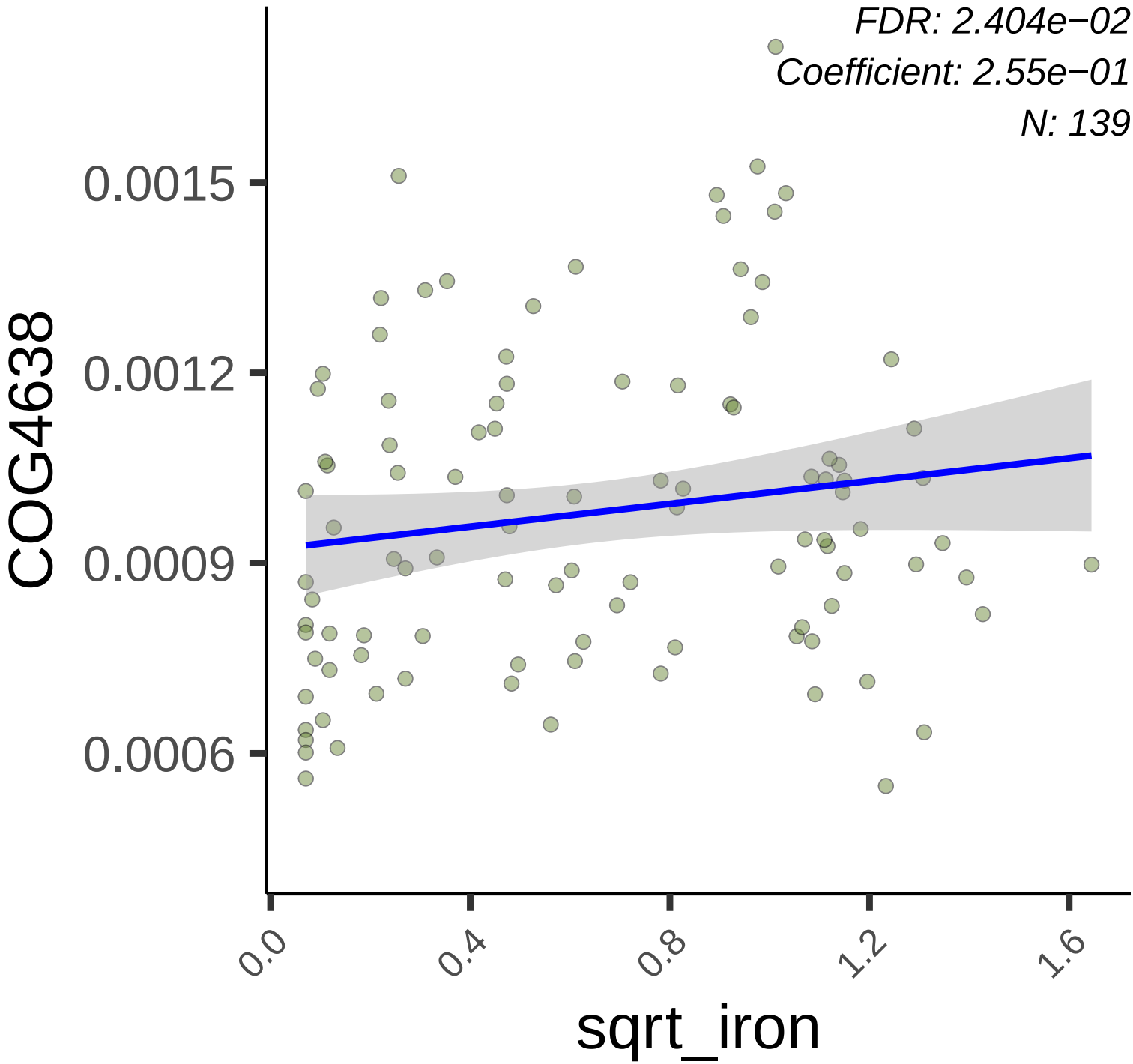
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.404e−02
Coefficient: 2.55e−01
N: 139
COG4638
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0.0012
0.0009
0.0006
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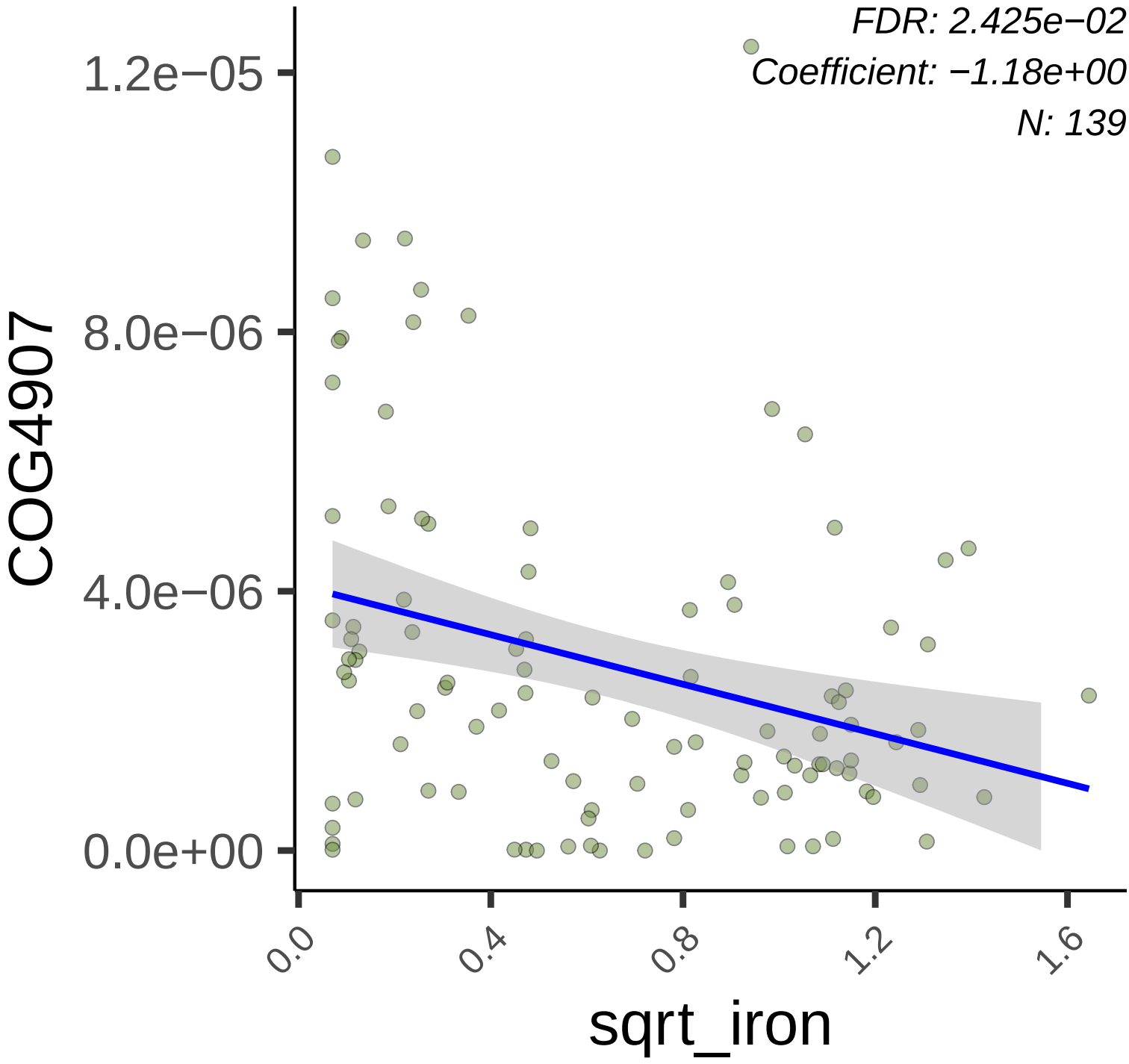
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.425e−02
Coefficient: −1.18e+00
N: 139
COG4907
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4.0e−06
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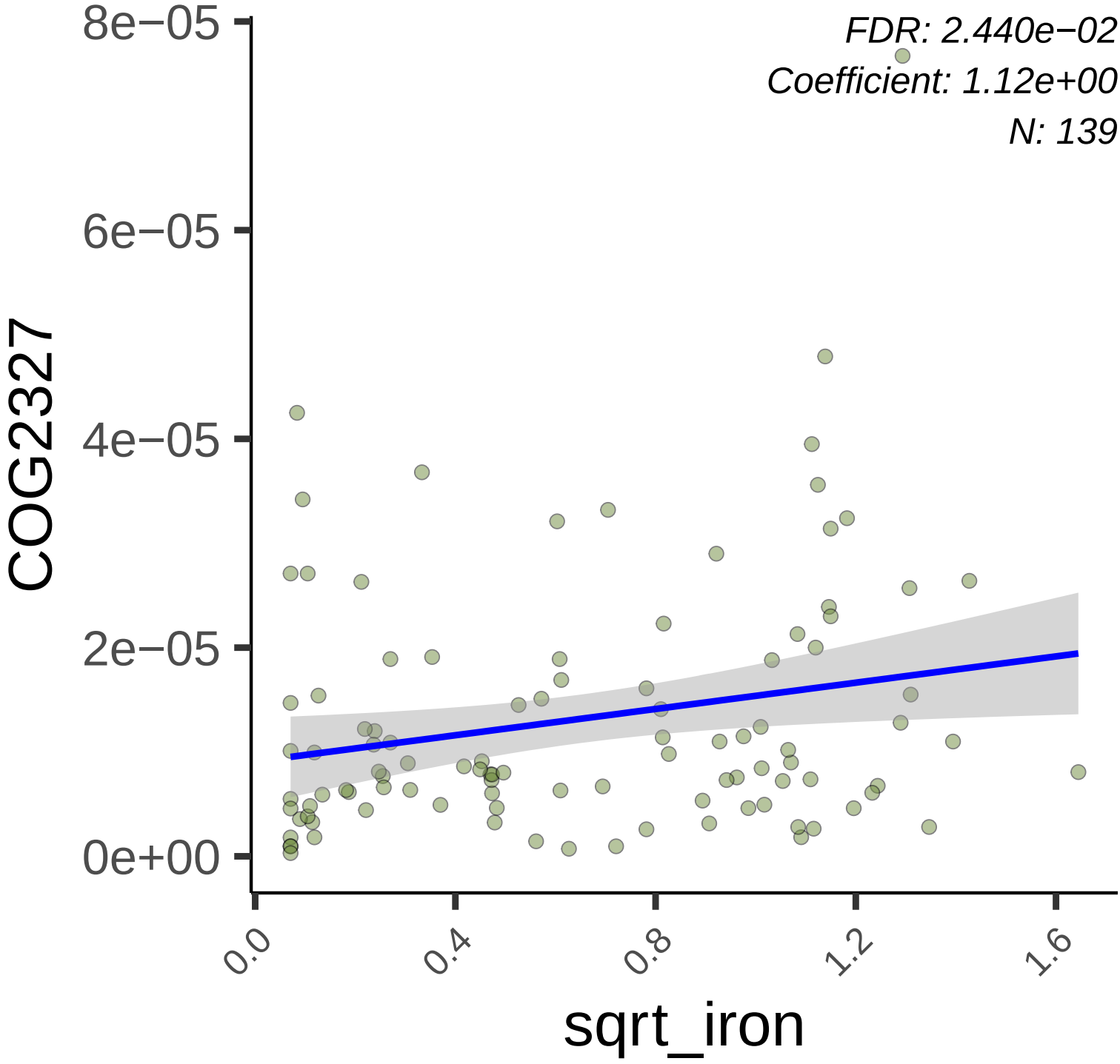
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.440e−02
Coefficient: 1.12e+00
N: 139
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6e−05
4e−05
2e−05
0e+00
COG2327
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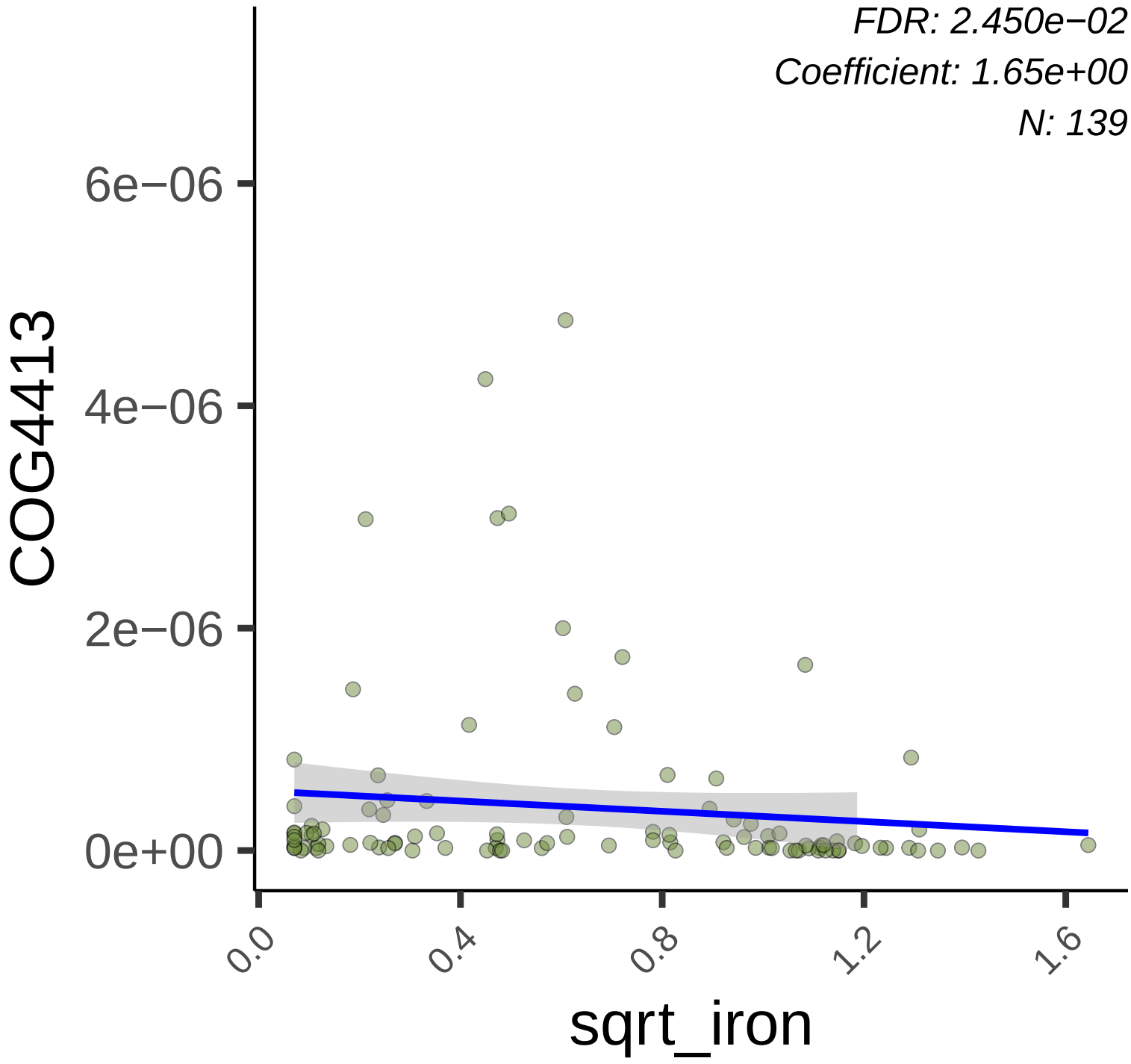
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.450e−02
Coefficient: 1.65e+00
N: 139
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4e−06
2e−06
0e+00
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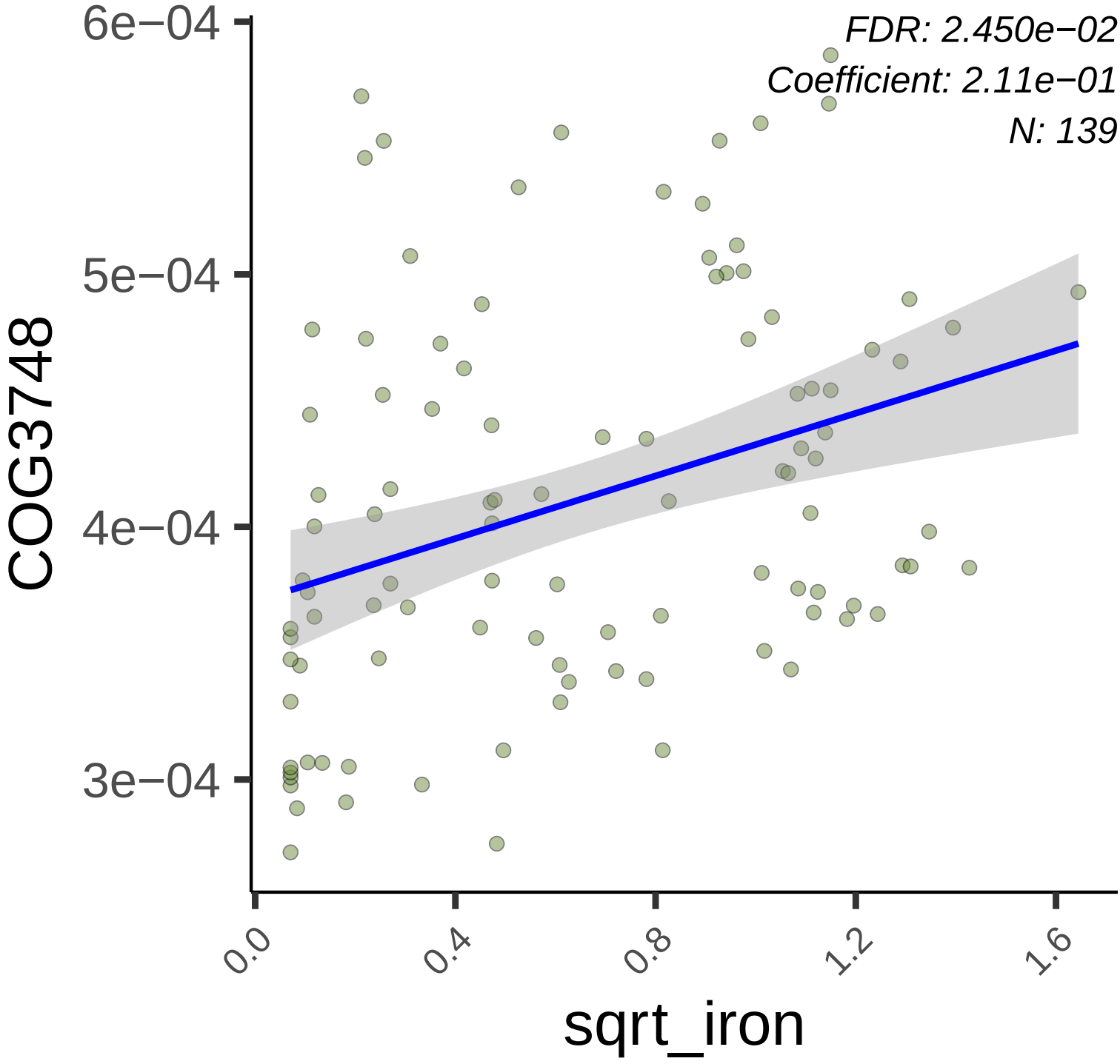
1.2
1.6
sqrt_iron


FDR: 2.450e−02
Coefficient: 2.11e−01
N: 139
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5e−04
4e−04
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COG3748
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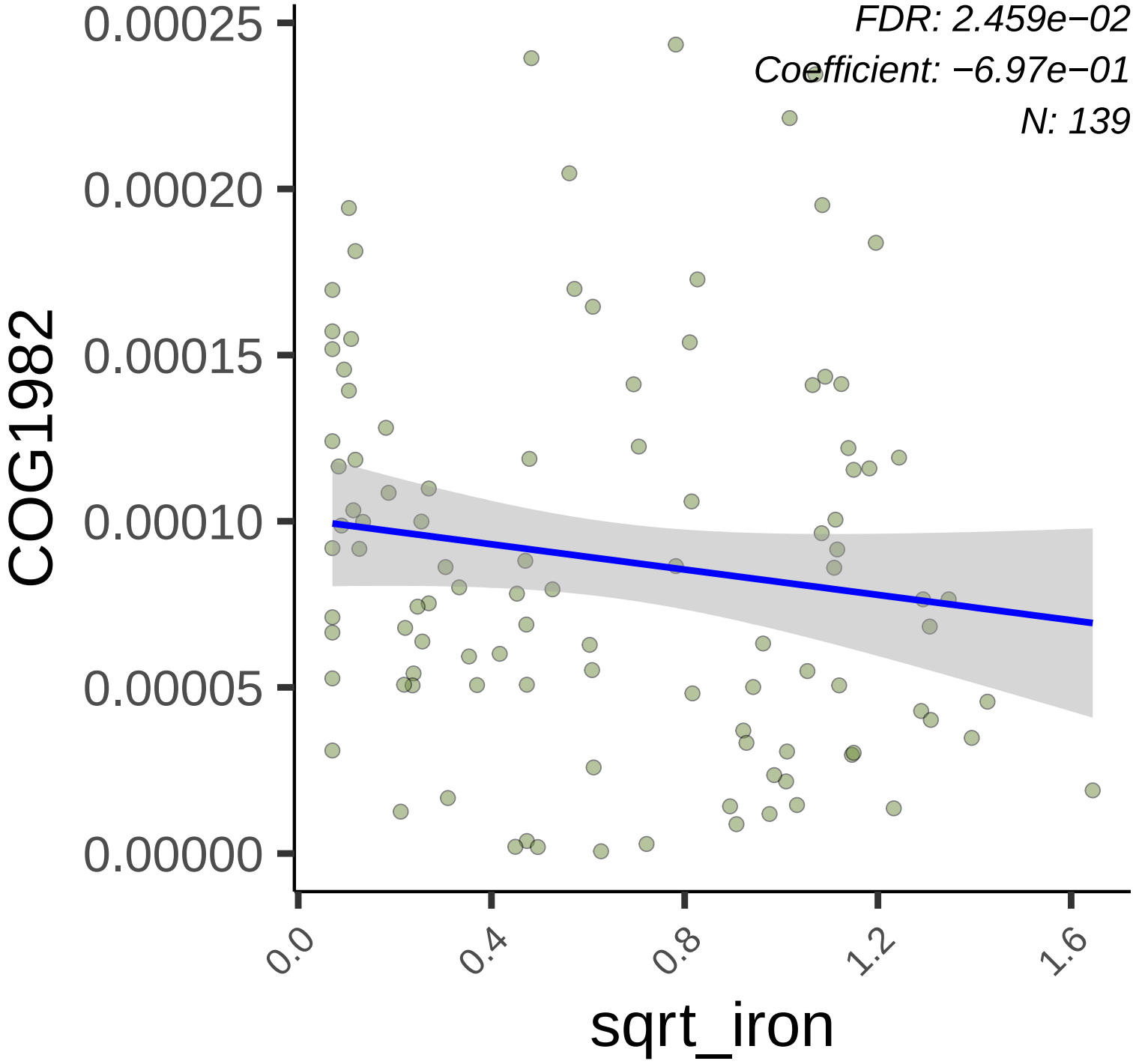
0.8
1.2
1.6
sqrt_iron


FDR: 2.459e−02
Coefficient: −6.97e−01
N: 139
COG1982
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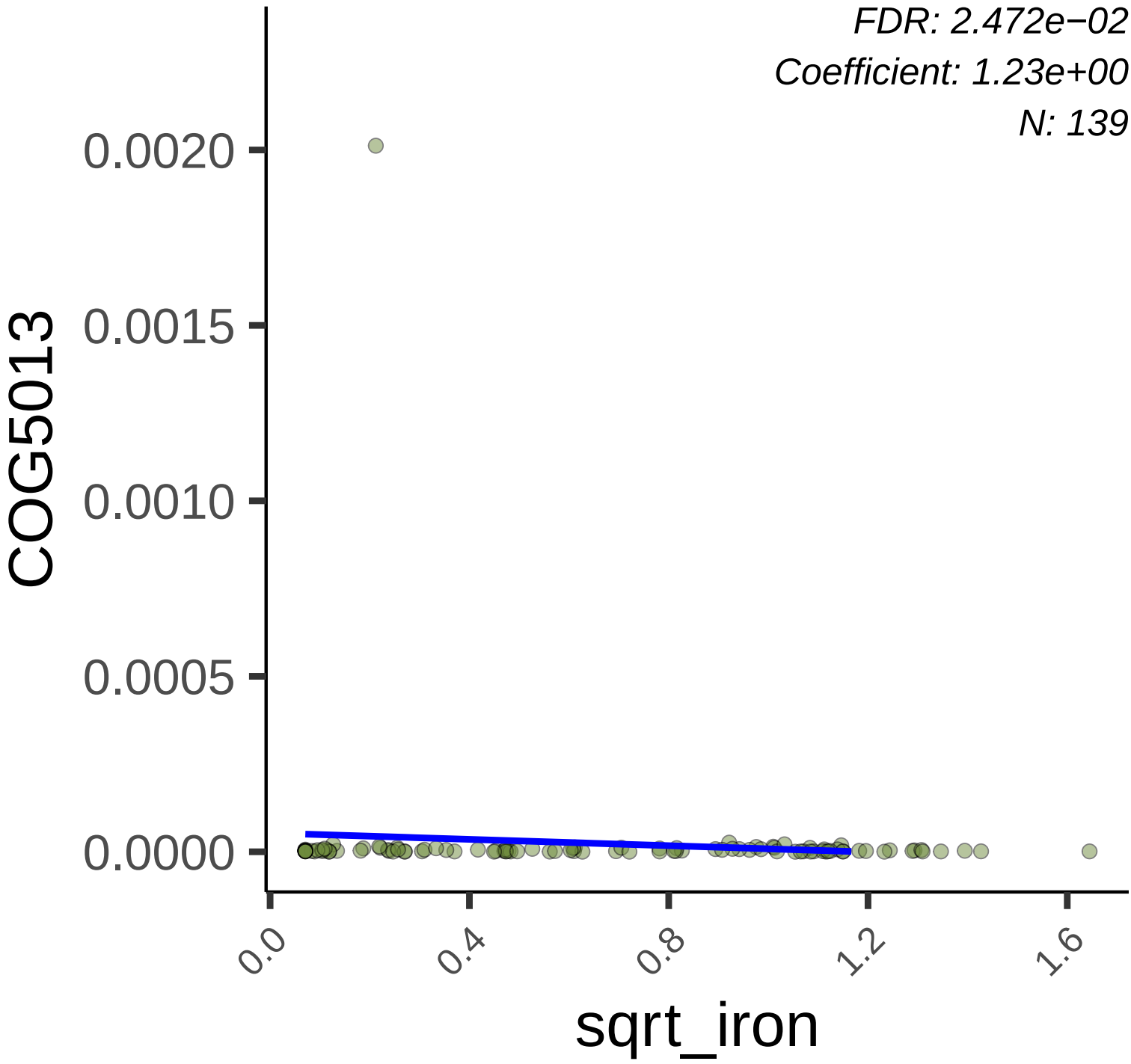
0.8
1.2
1.6
sqrt_iron


FDR: 2.472e−02
Coefficient: 1.23e+00
N: 139
COG5013
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0.0000
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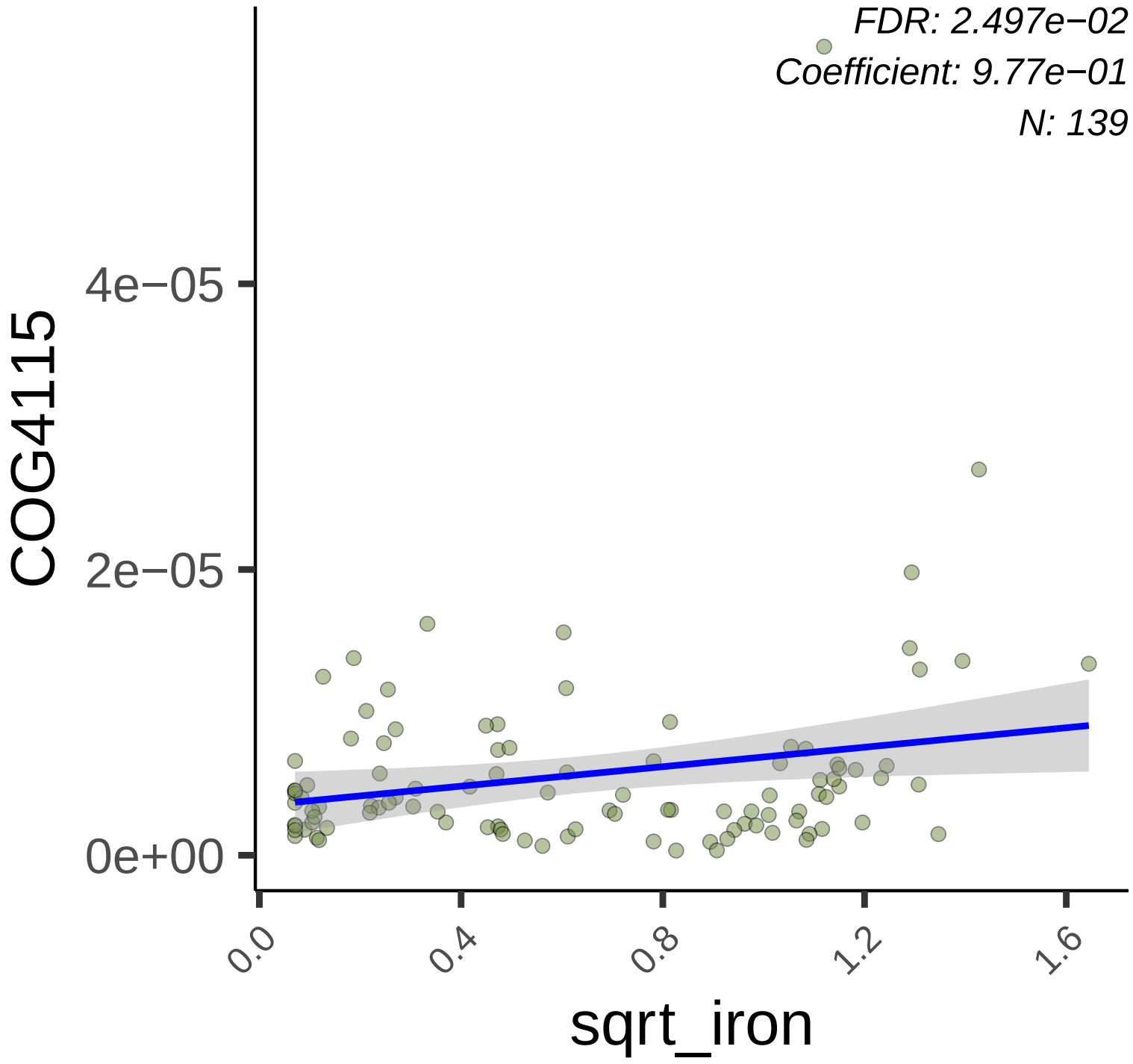
0.8
1.2
1.6
sqrt_iron


FDR: 2.497e−02
Coefficient: 9.77e−01
N: 139
COG4115
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2e−05
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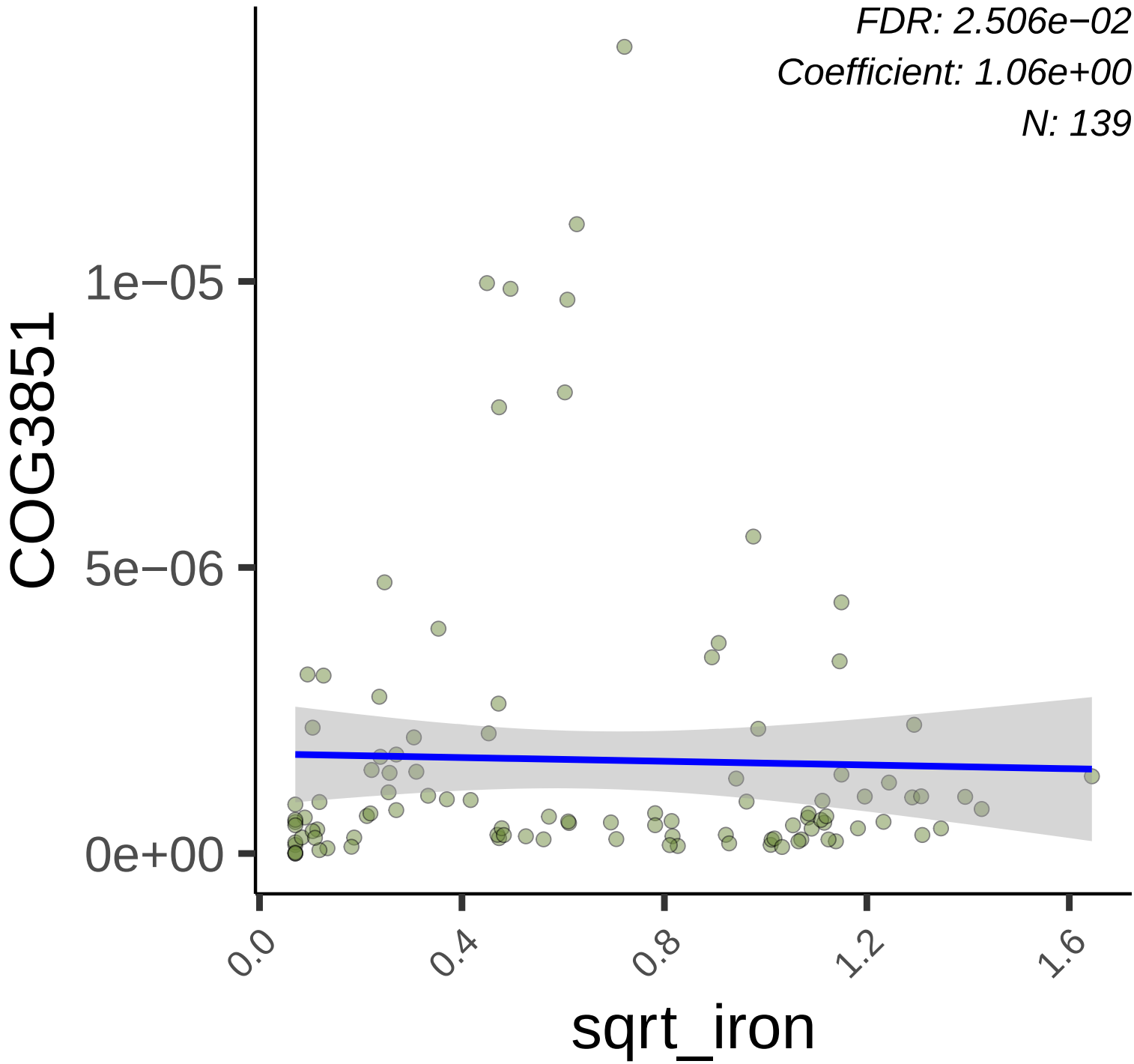
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.506e−02
Coefficient: 1.06e+00
N: 139
COG3851
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5e−06
0e+00
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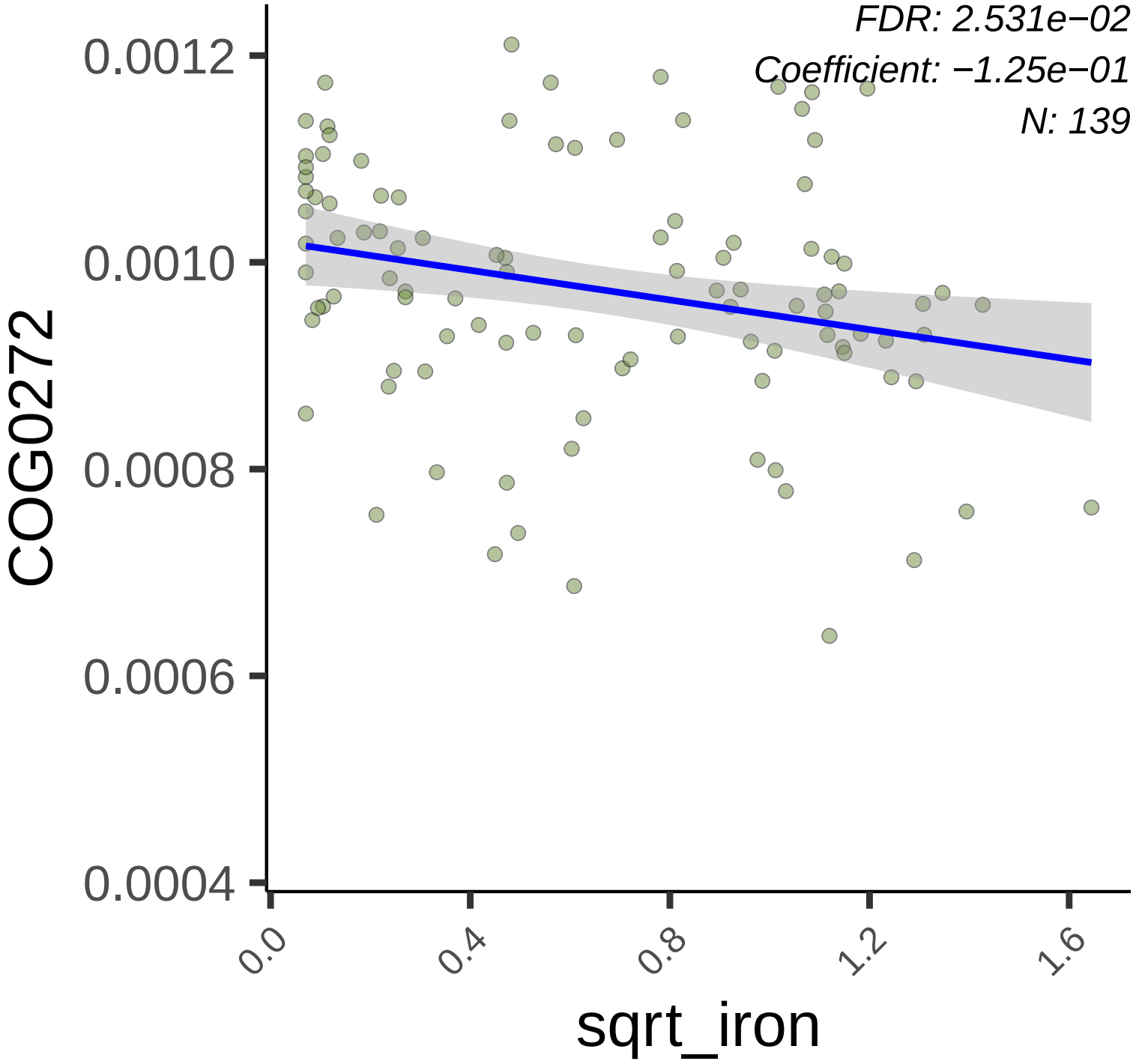
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.531e−02
Coefficient: −1.25e−01
N: 139
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0.0008
0.0006
0.0004
COG0272
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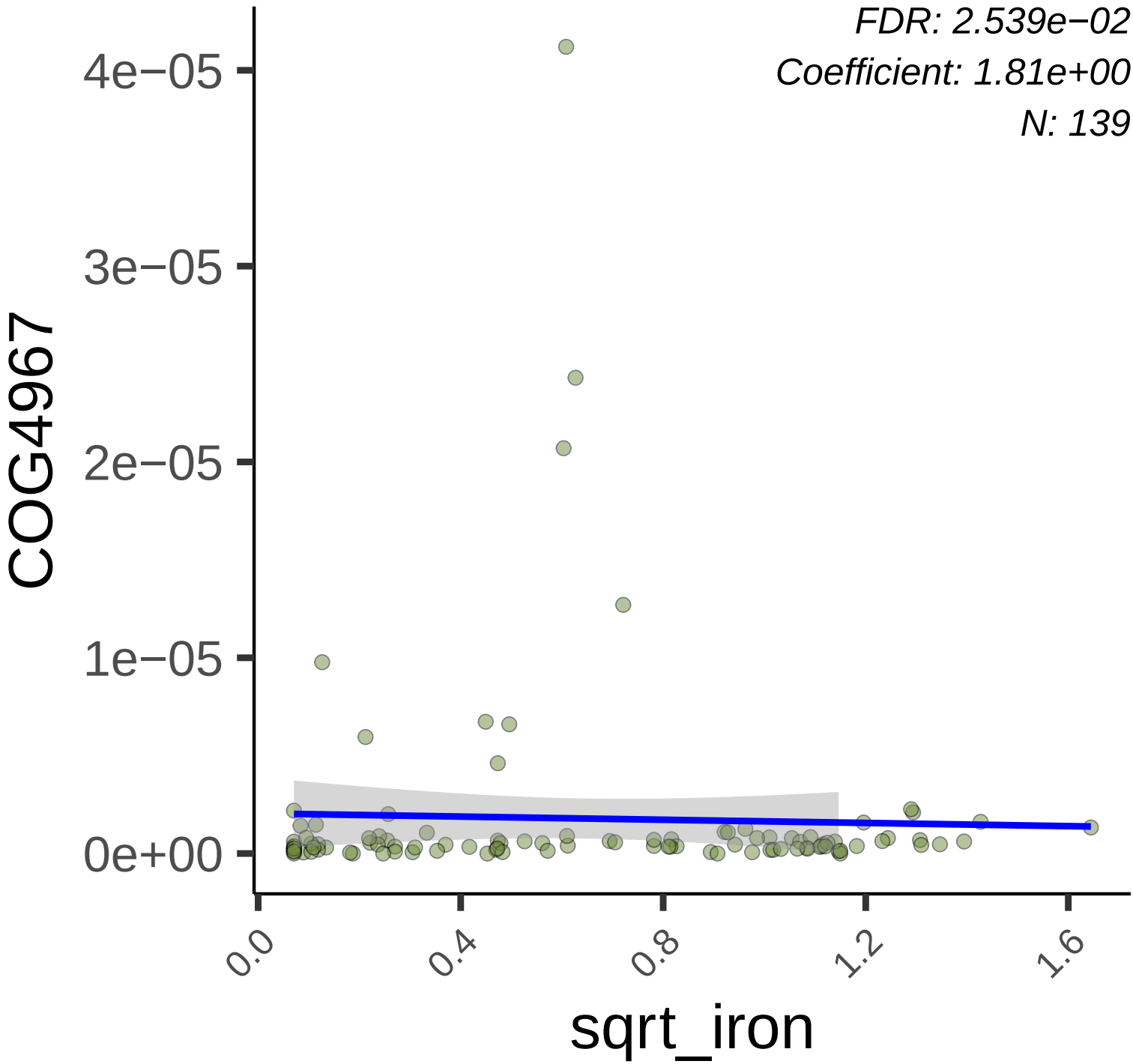
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.539e−02
Coefficient: 1.81e+00
N: 139
COG4967
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3e−05
2e−05
1e−05
0e+00
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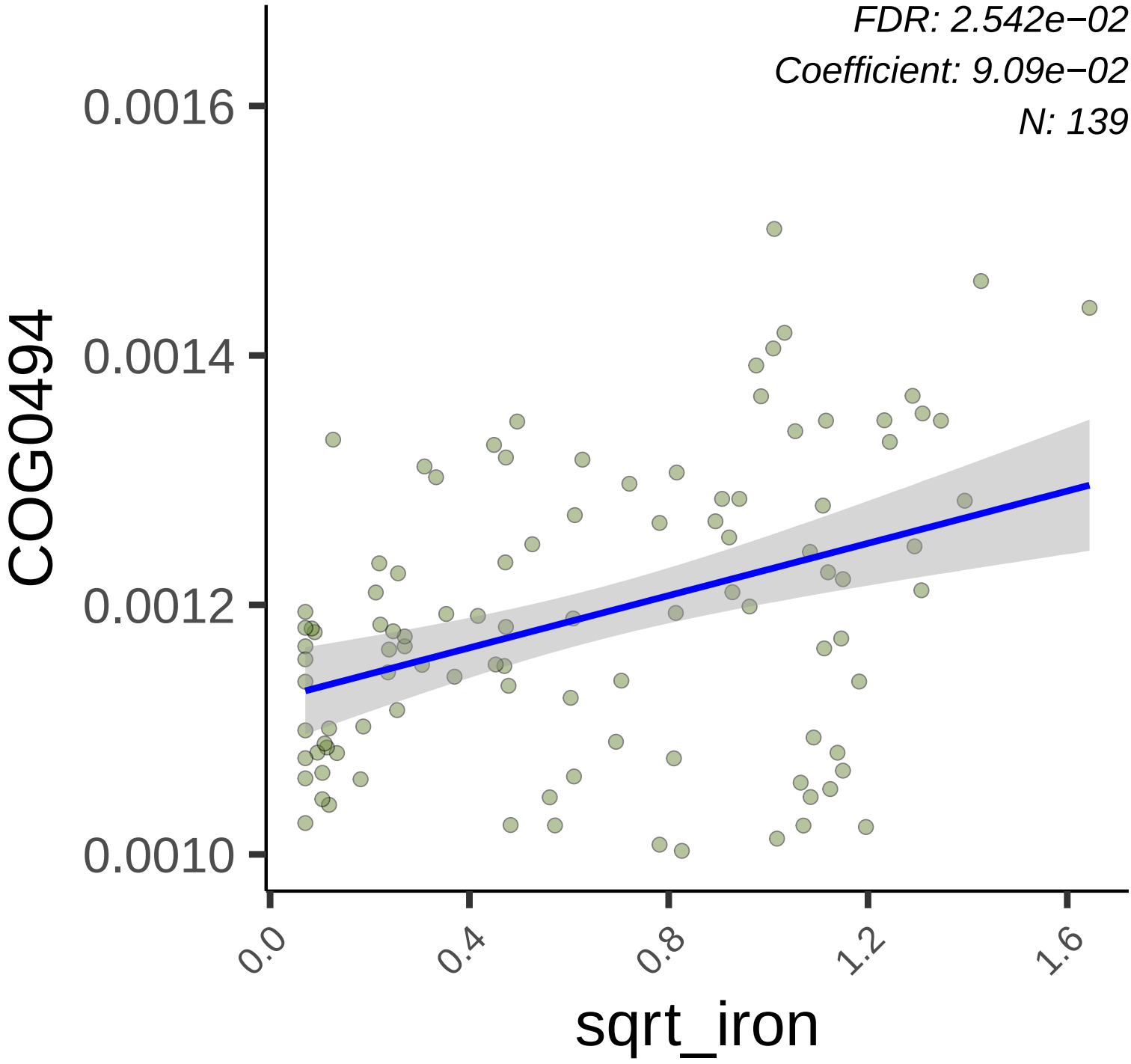
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.542e−02
Coefficient: 9.09e−02
N: 139
COG0494
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0.0012
0.0010
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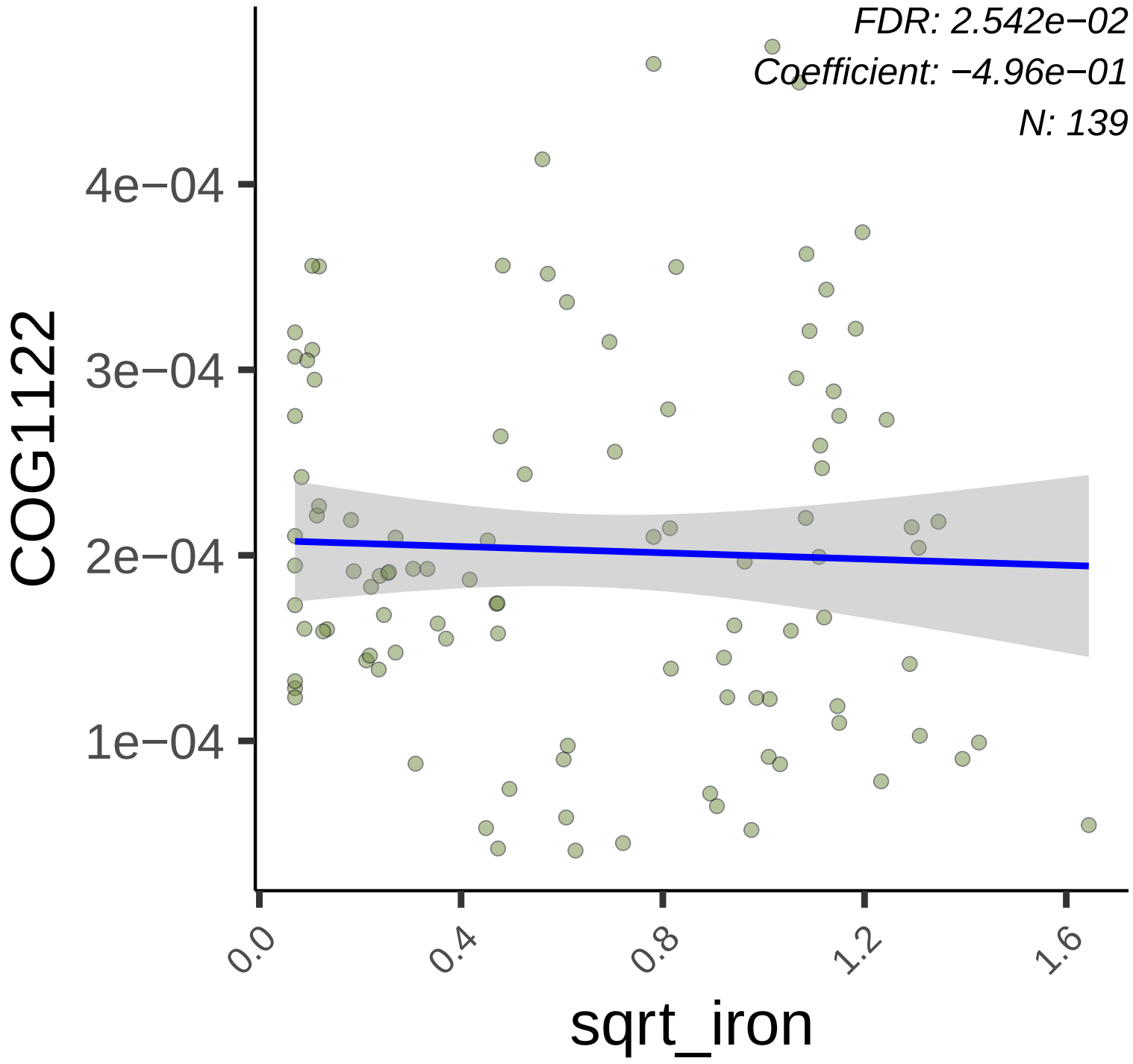
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.542e−02
Coefficient: −4.96e−01
N: 139
COG1122
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2e−04
1e−04
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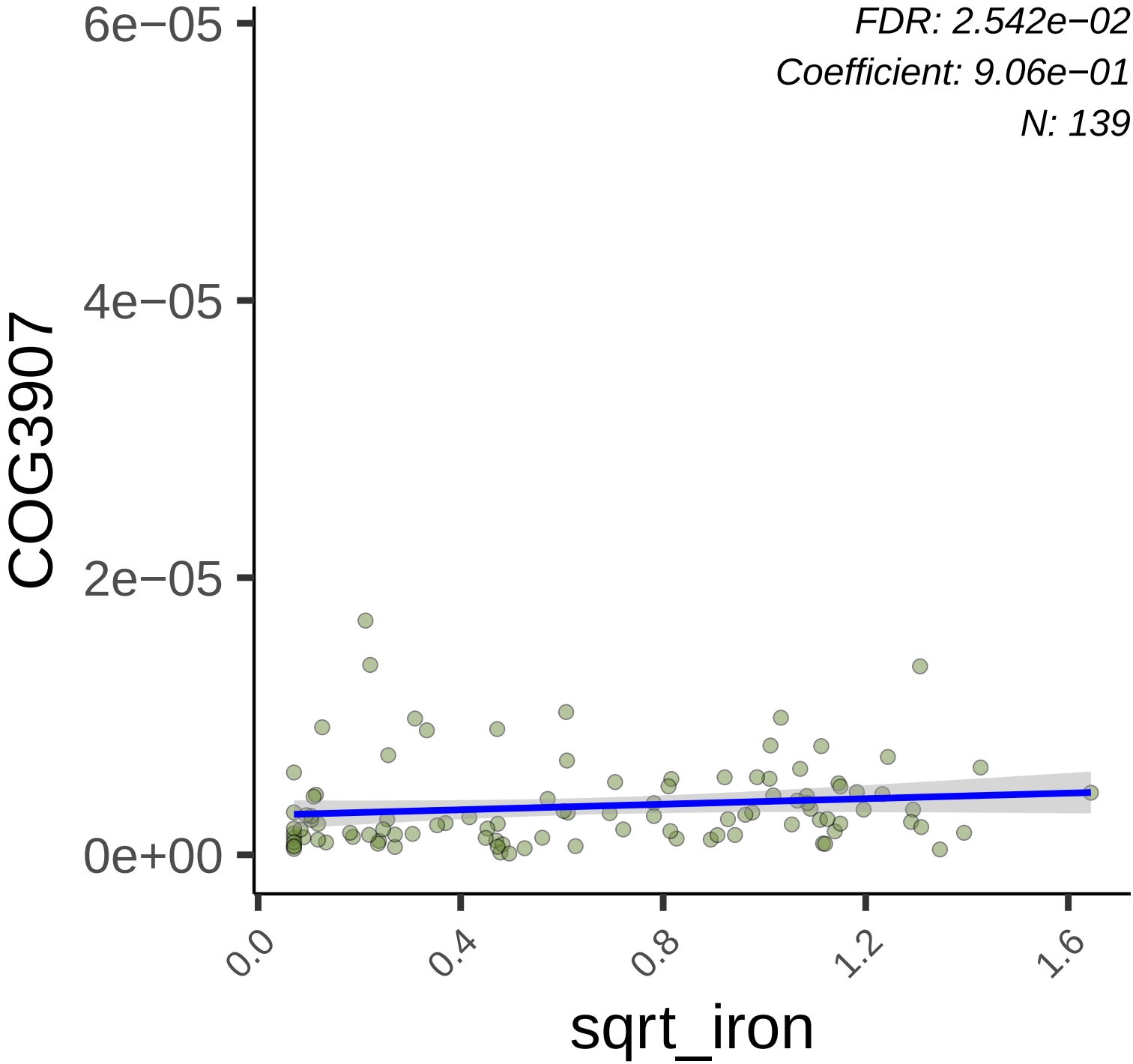
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.542e−02
Coefficient: 9.06e−01
N: 139
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2e−05
0e+00
COG3907
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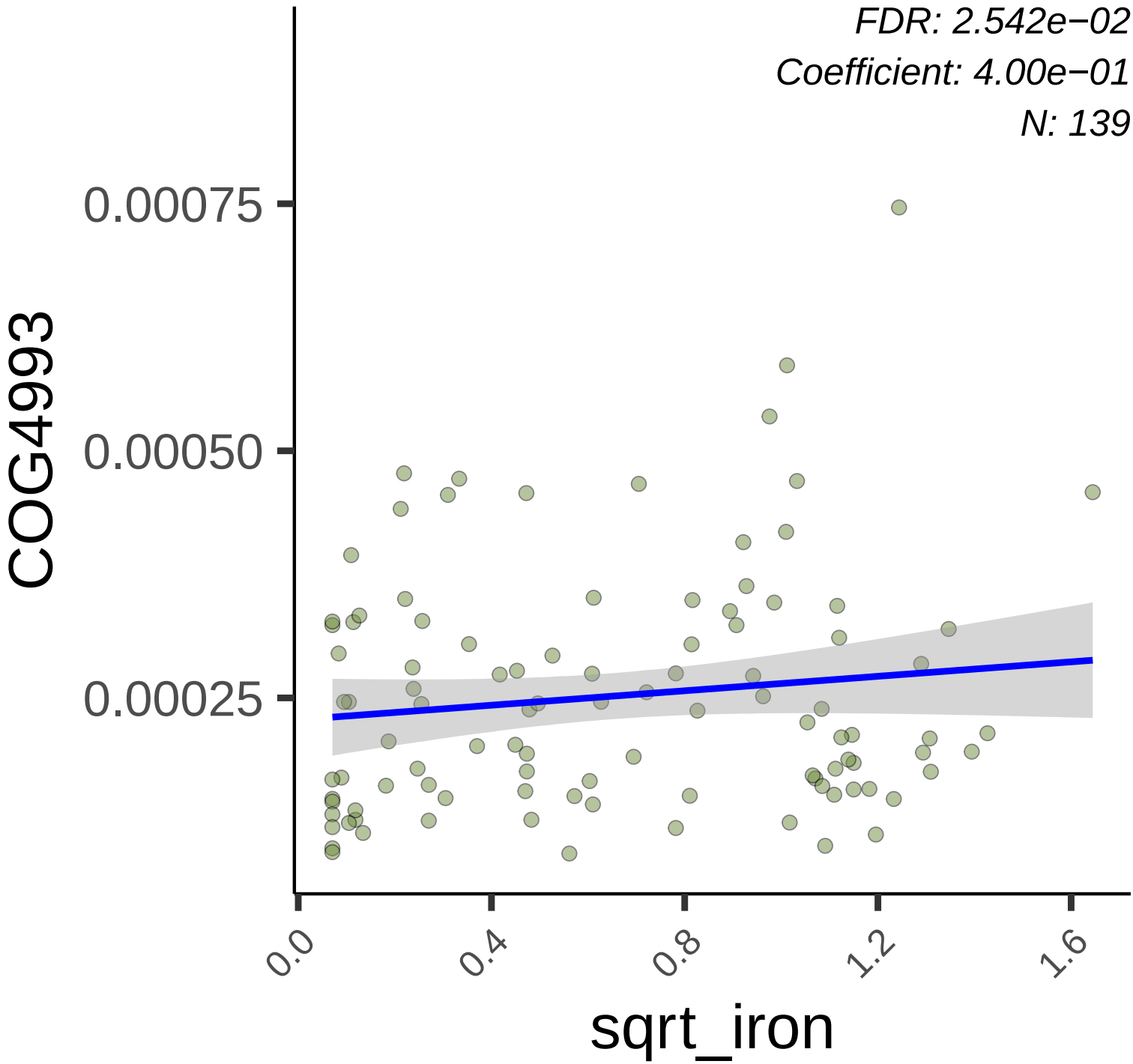
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.542e−02
Coefficient: 4.00e−01
N: 139
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0.8
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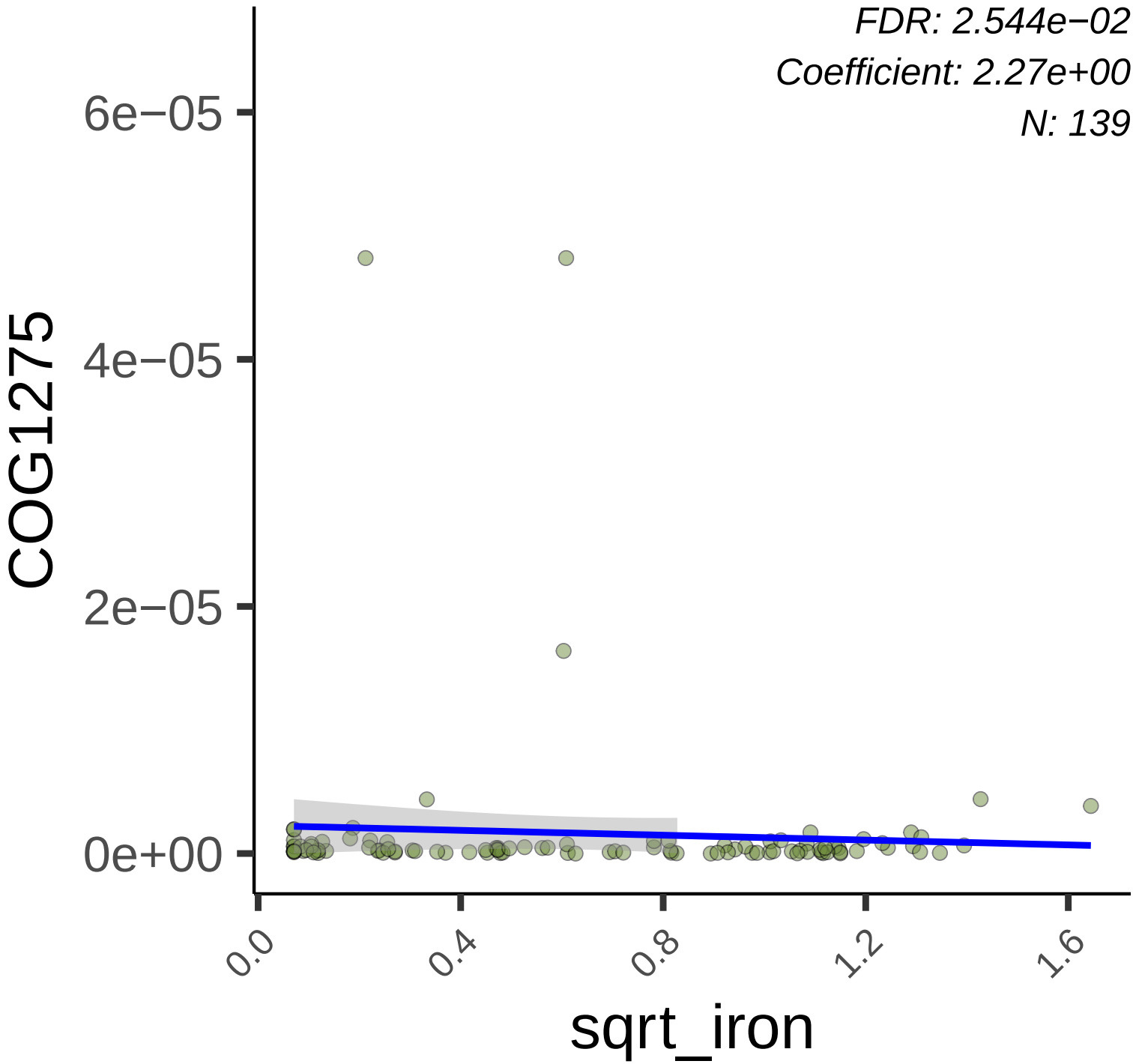
1.6
sqrt_iron


FDR: 2.544e−02
Coefficient: 2.27e+00
N: 139
COG1275
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0.4
0.8
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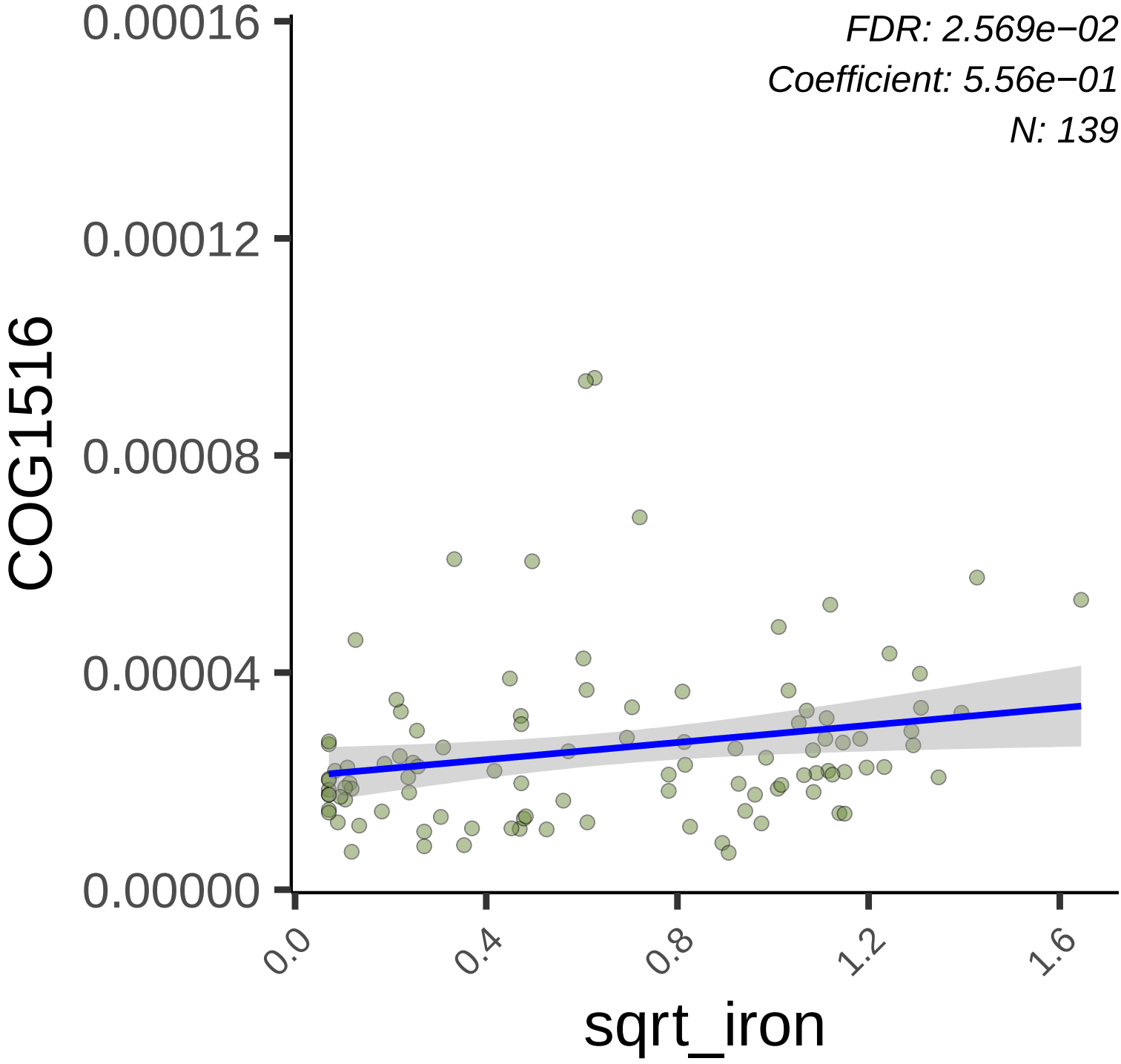
1.6
sqrt_iron


FDR: 2.569e−02
Coefficient: 5.56e−01
N: 139
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COG1516
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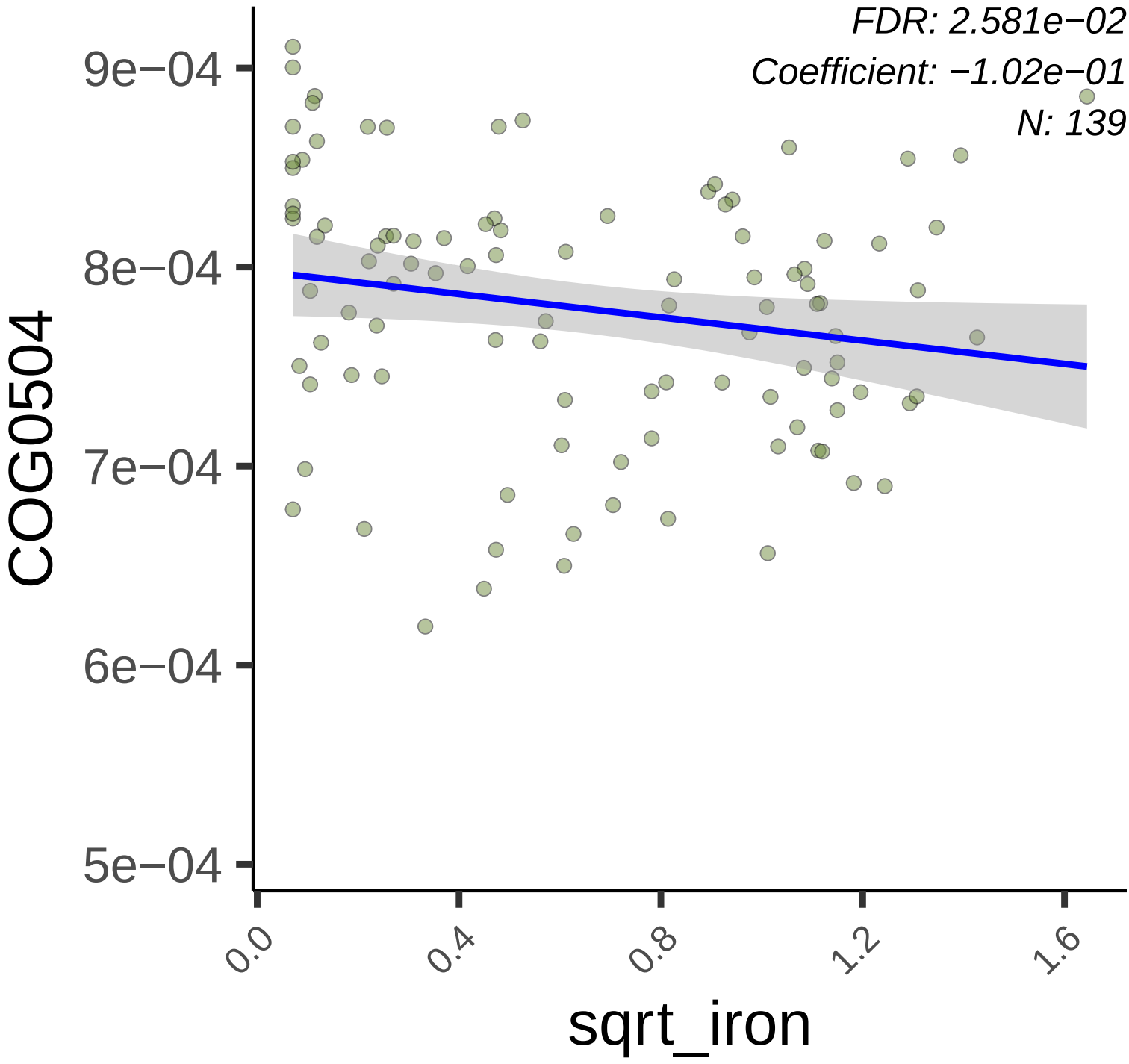
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.581e−02
Coefficient: −1.02e−01
N: 139
9e−04
8e−04
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6e−04
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COG0504
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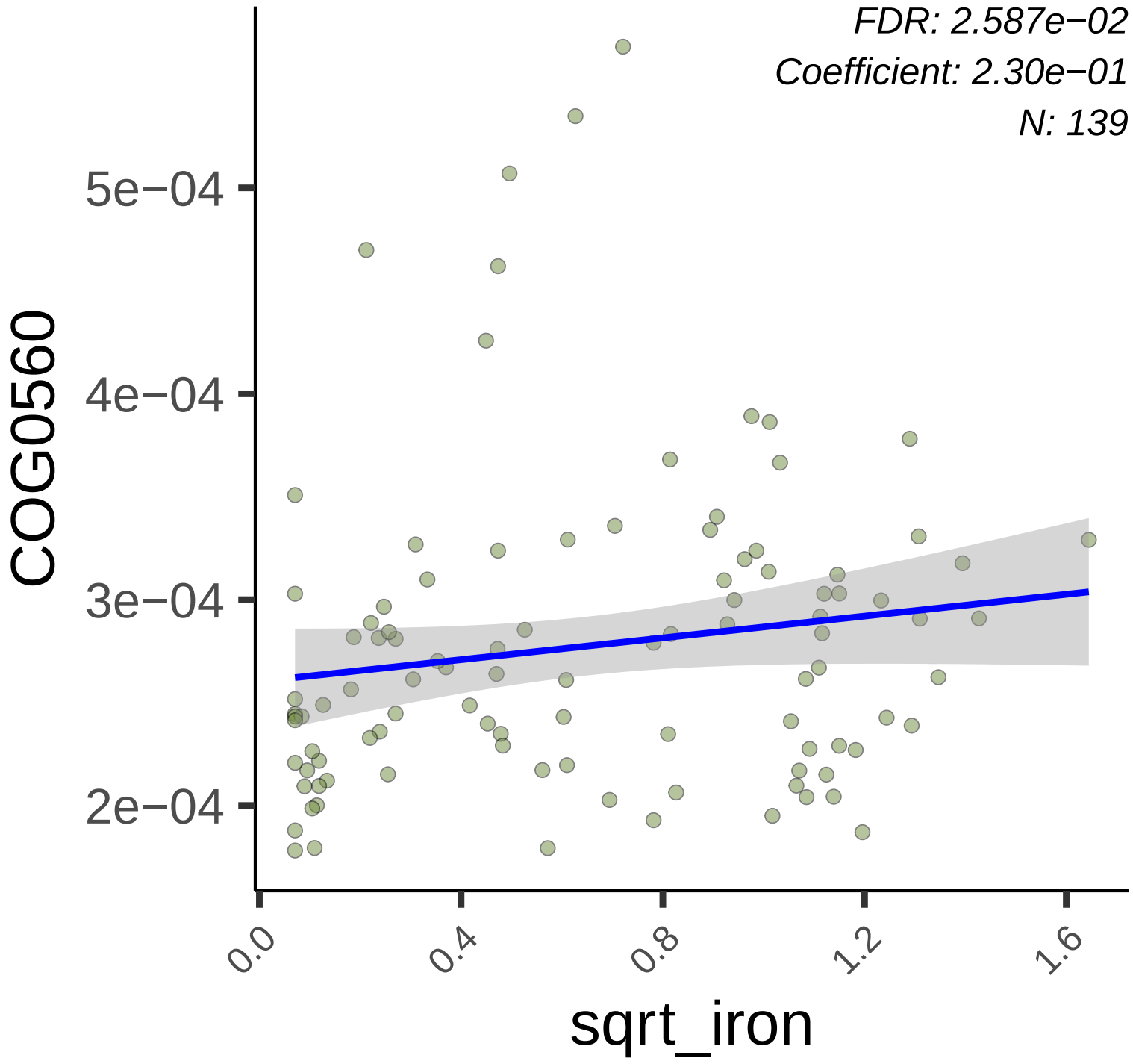
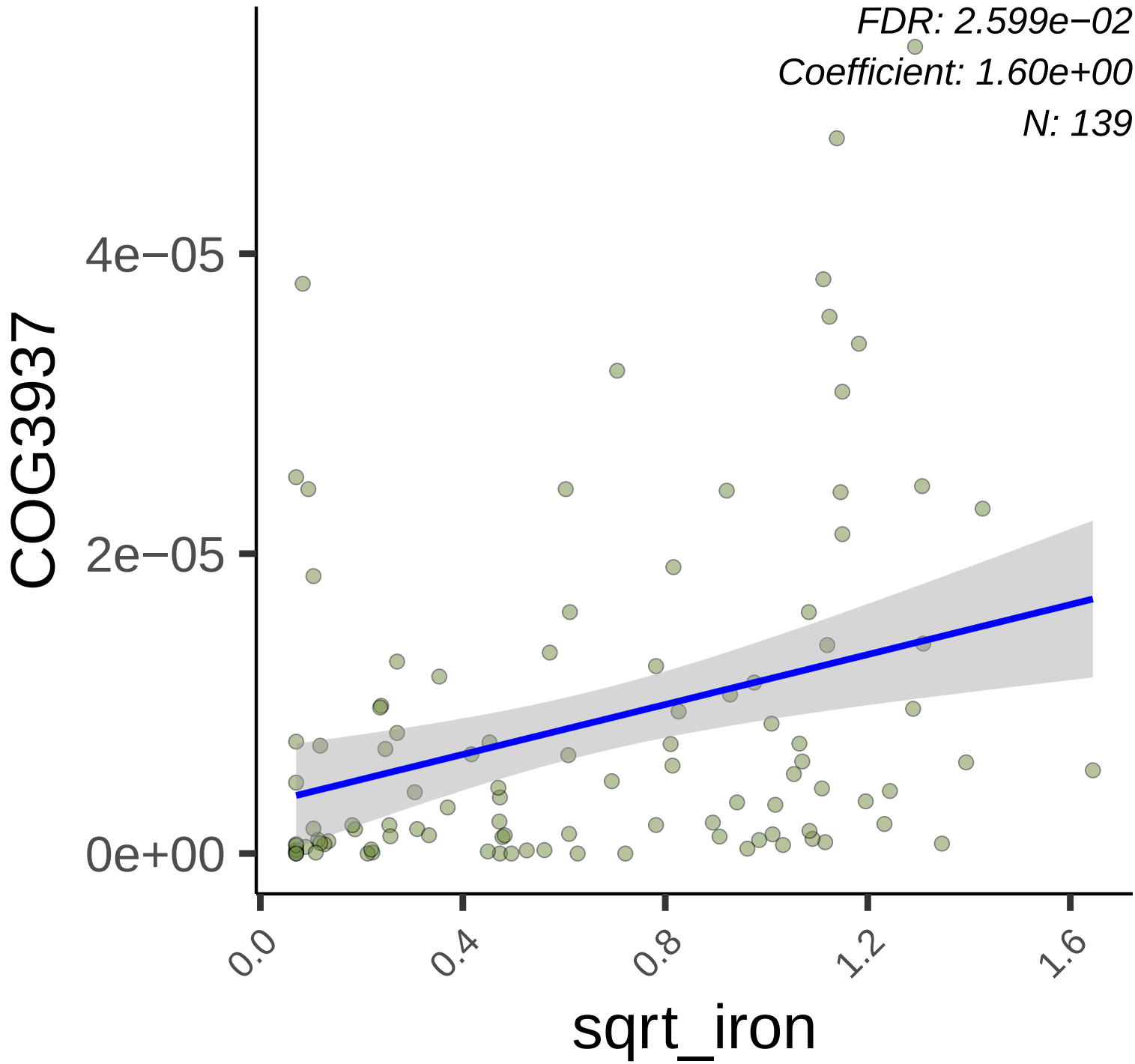
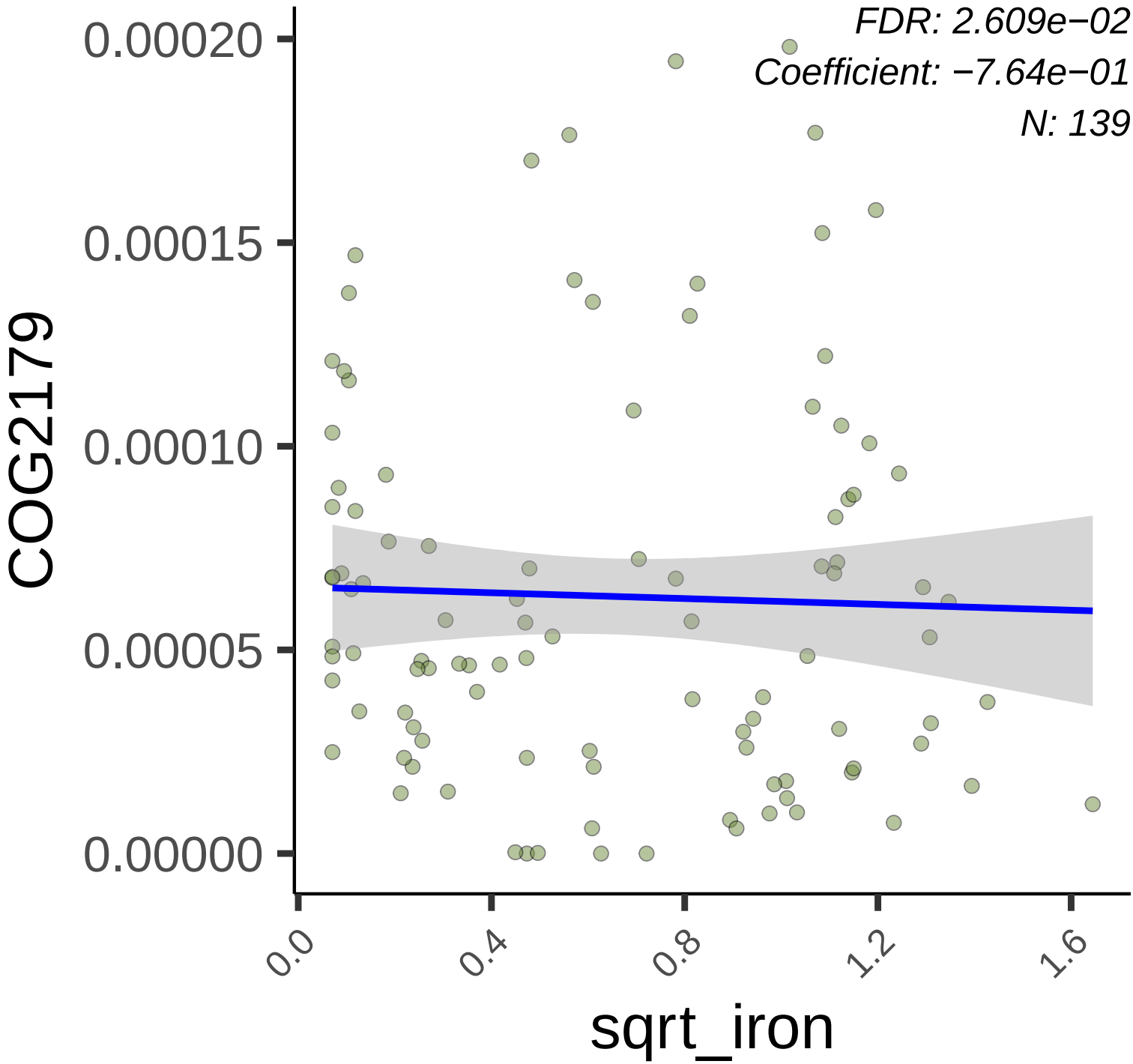
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.587e−02
Coefficient: 2.30e−01
N: 139
COG0560
5e−04
4e−04
3e−04
2e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.599e−02
Coefficient: 1.60e+00
N: 139
COG3937
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.609e−02
Coefficient: −7.64e−01
N: 139
0.00020
0.00015
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0.00005
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COG2179
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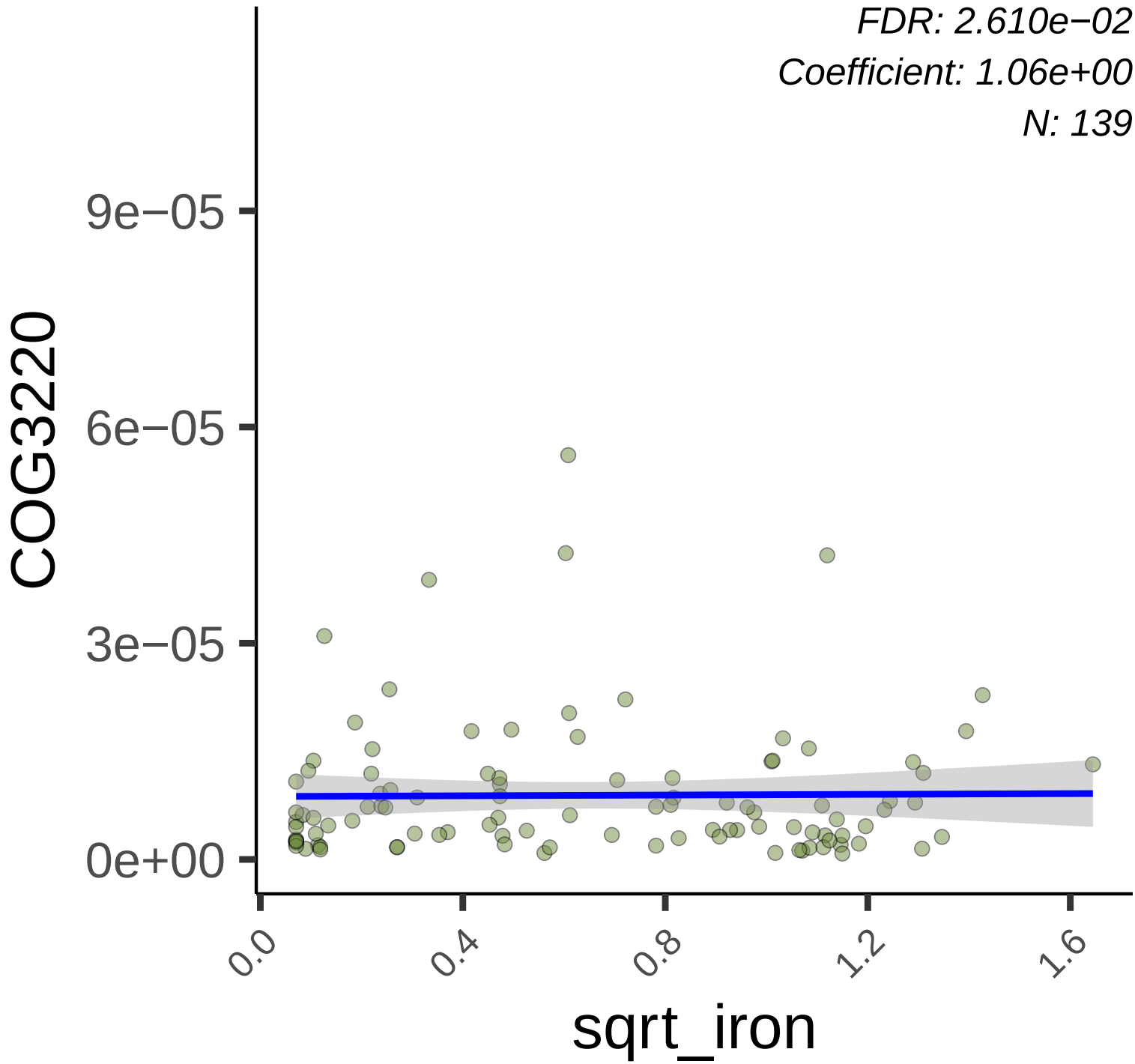
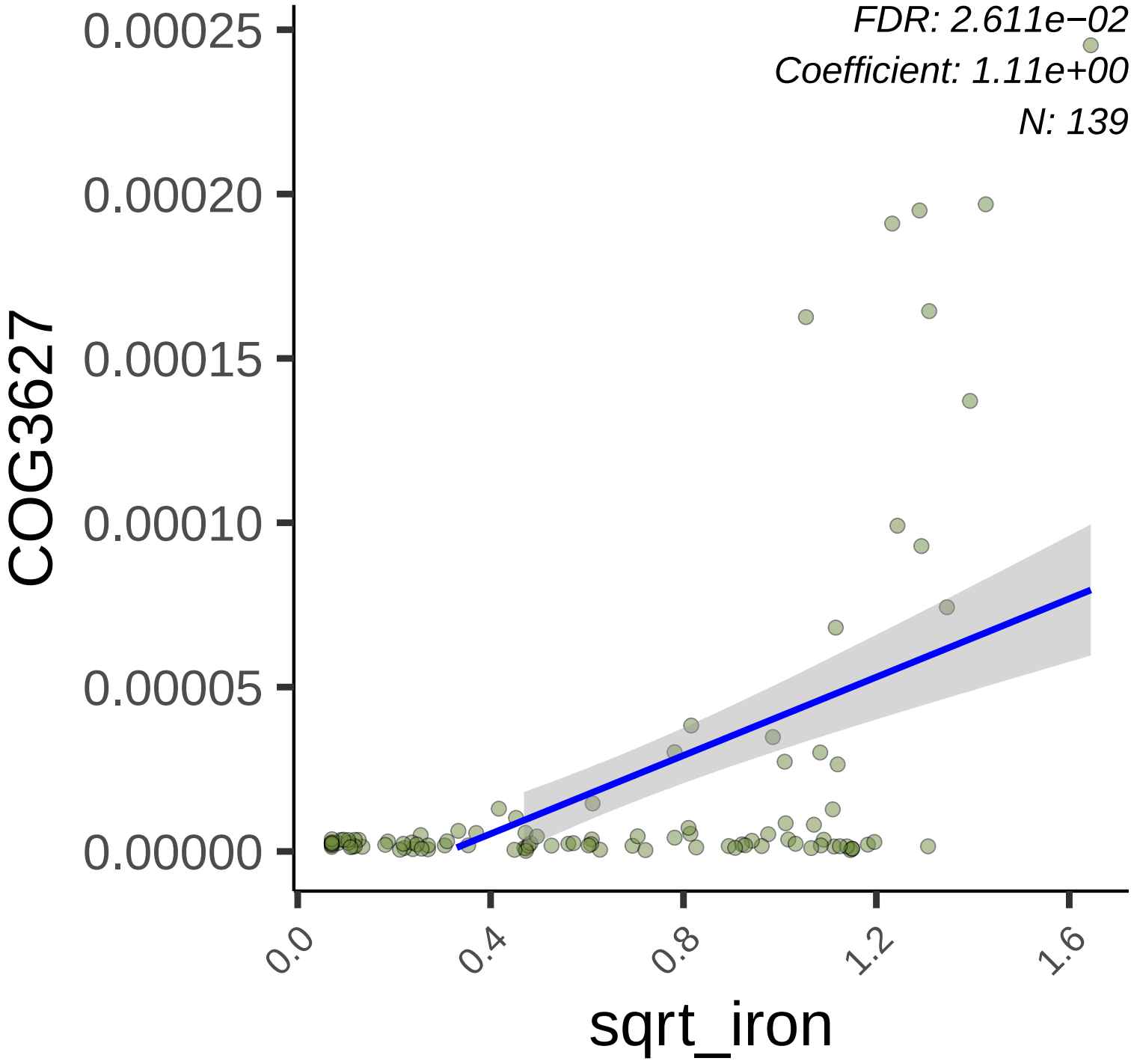
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.610e−02
Coefficient: 1.06e+00
N: 139
COG3220
9e−05
6e−05
3e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.611e−02
Coefficient: 1.11e+00
N: 139
COG3627
0.00025
0.00020
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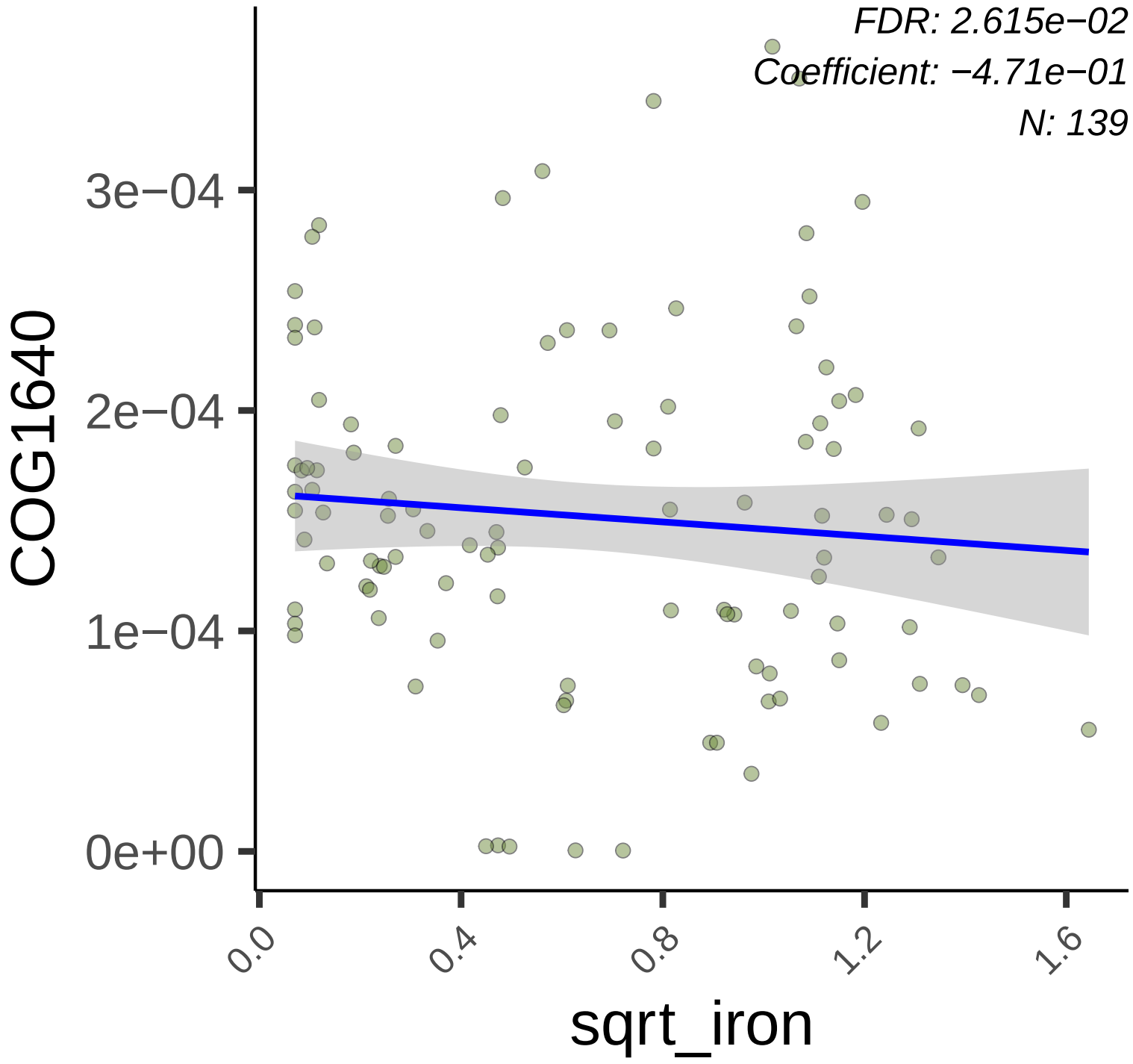
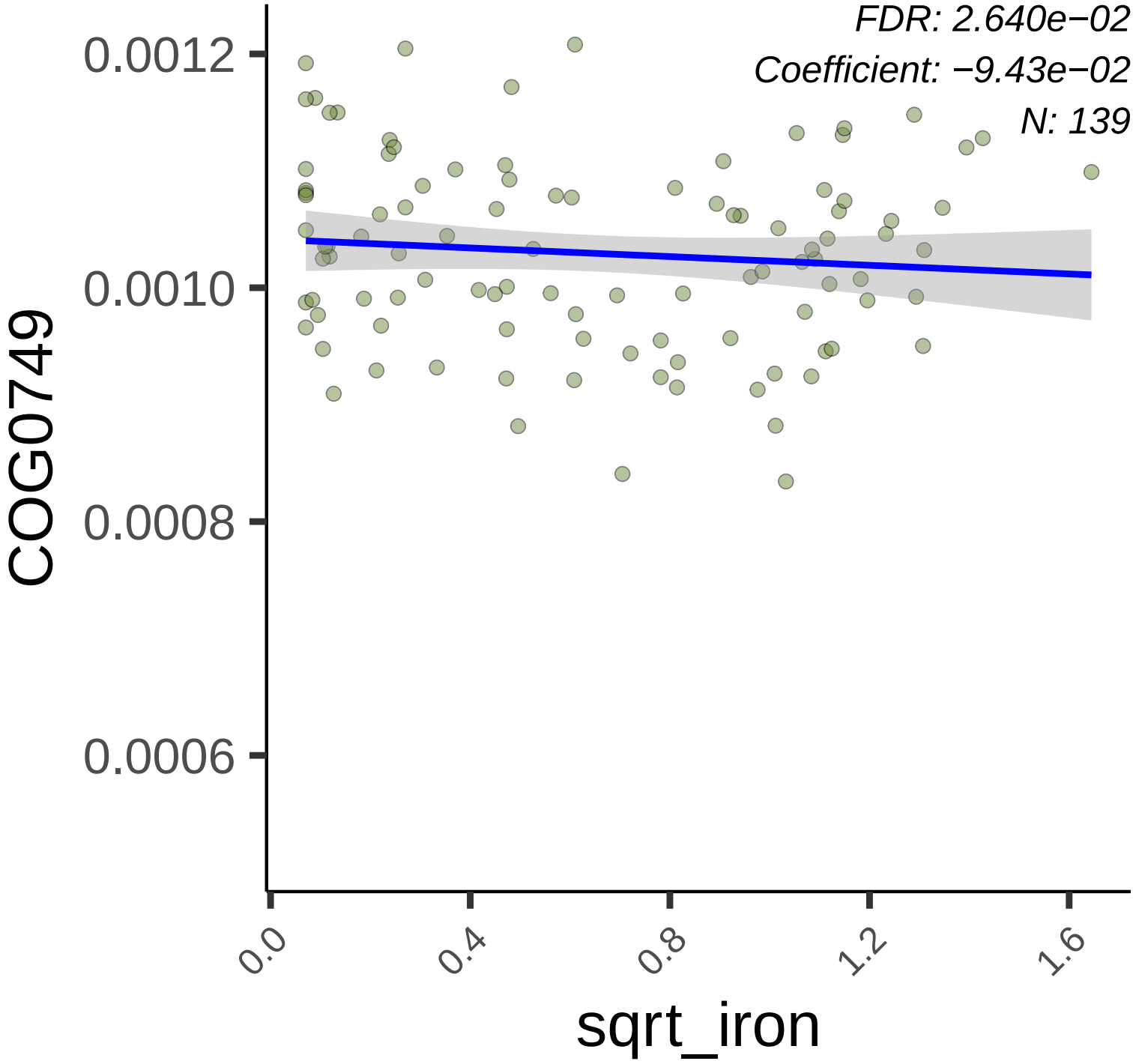
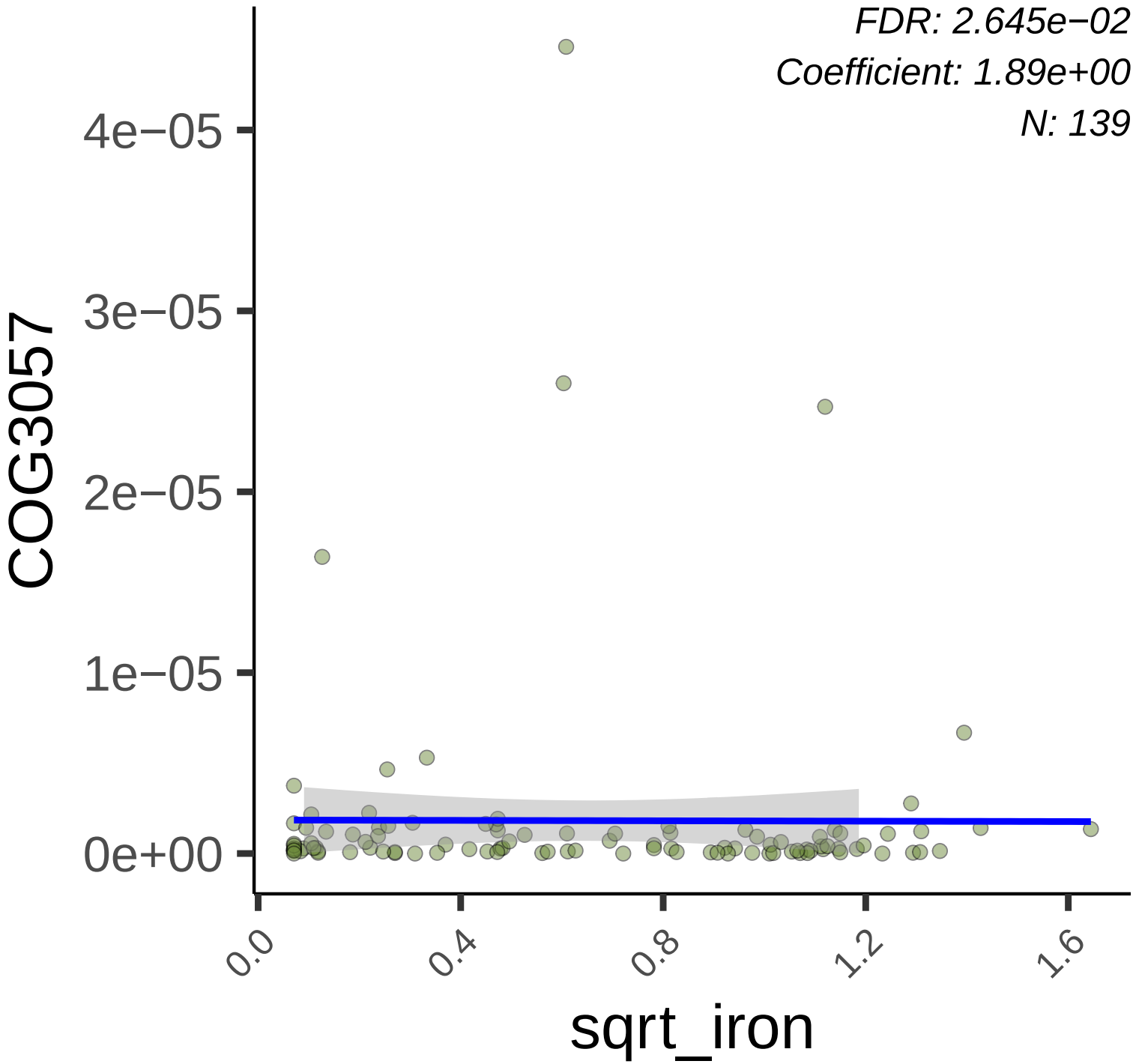
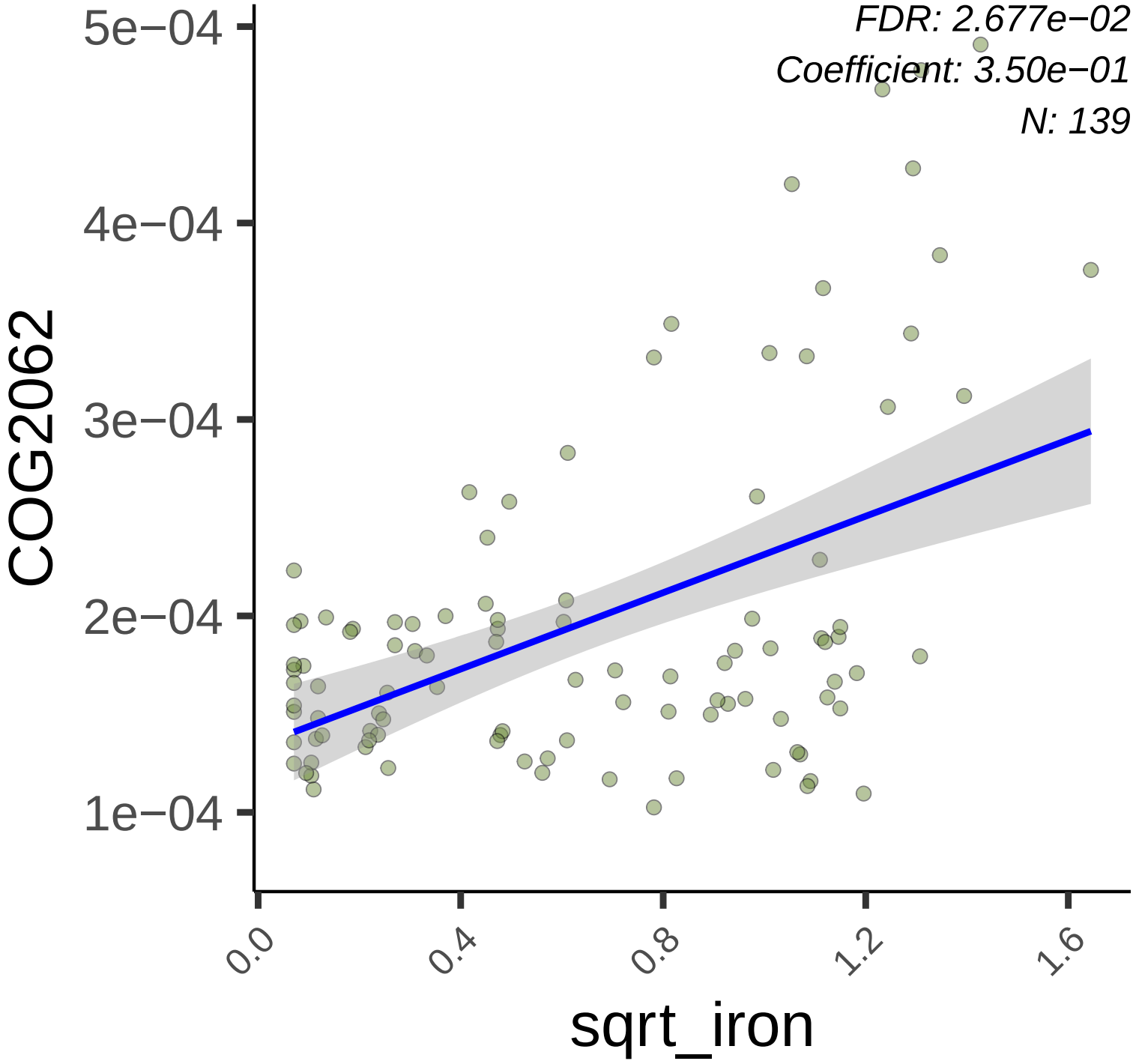
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.615e−02
Coefficient: −4.71e−01
N: 139
COG1640
3e−04
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.640e−02
Coefficient: −9.43e−02
N: 139
0.0012
0.0010
0.0008
0.0006
COG0749
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.645e−02
Coefficient: 1.89e+00
N: 139
COG3057
4e−05
3e−05
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.677e−02
Coefficient: 3.50e−01
N: 139
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4e−04
3e−04
2e−04
1e−04
COG2062
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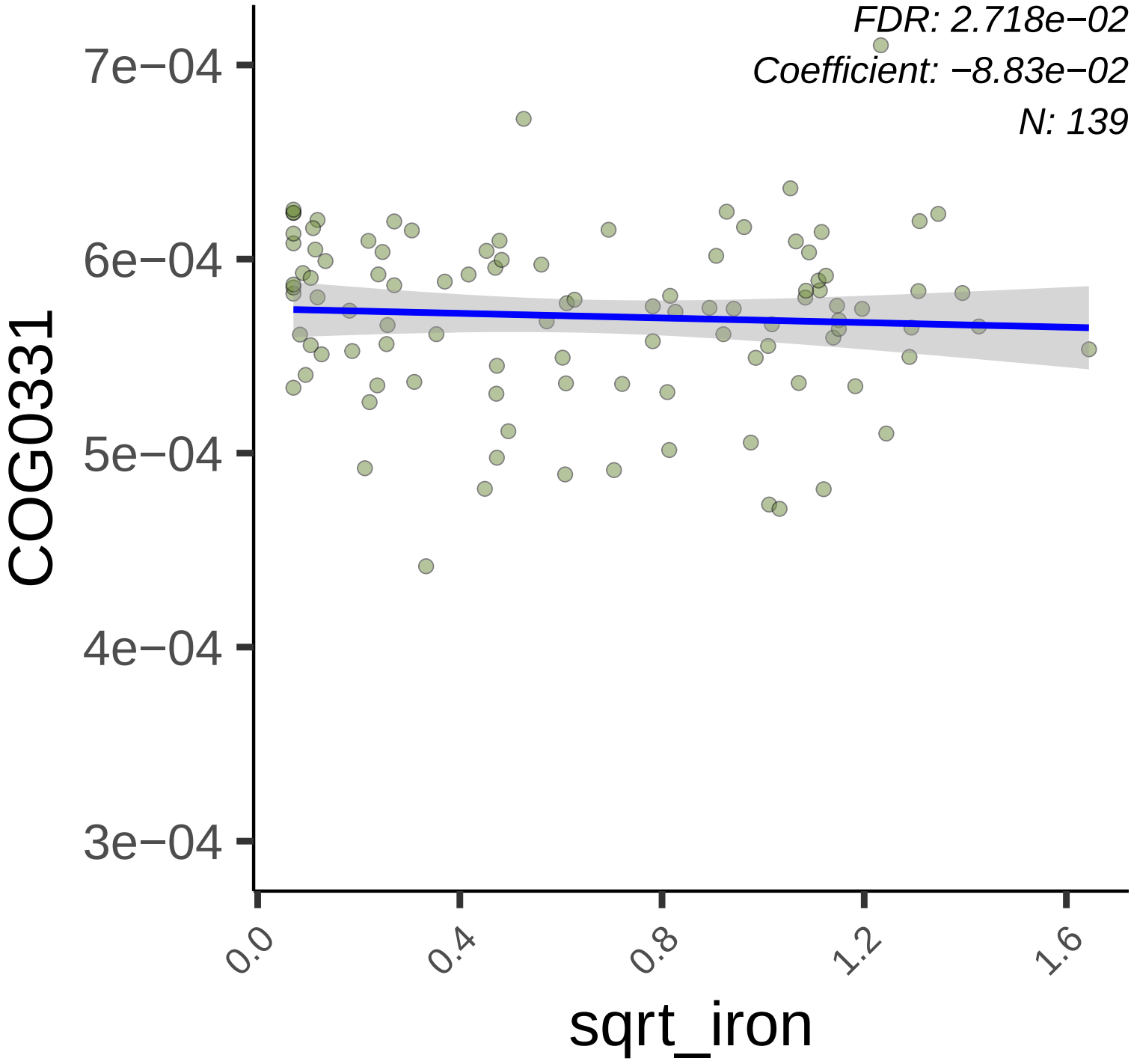
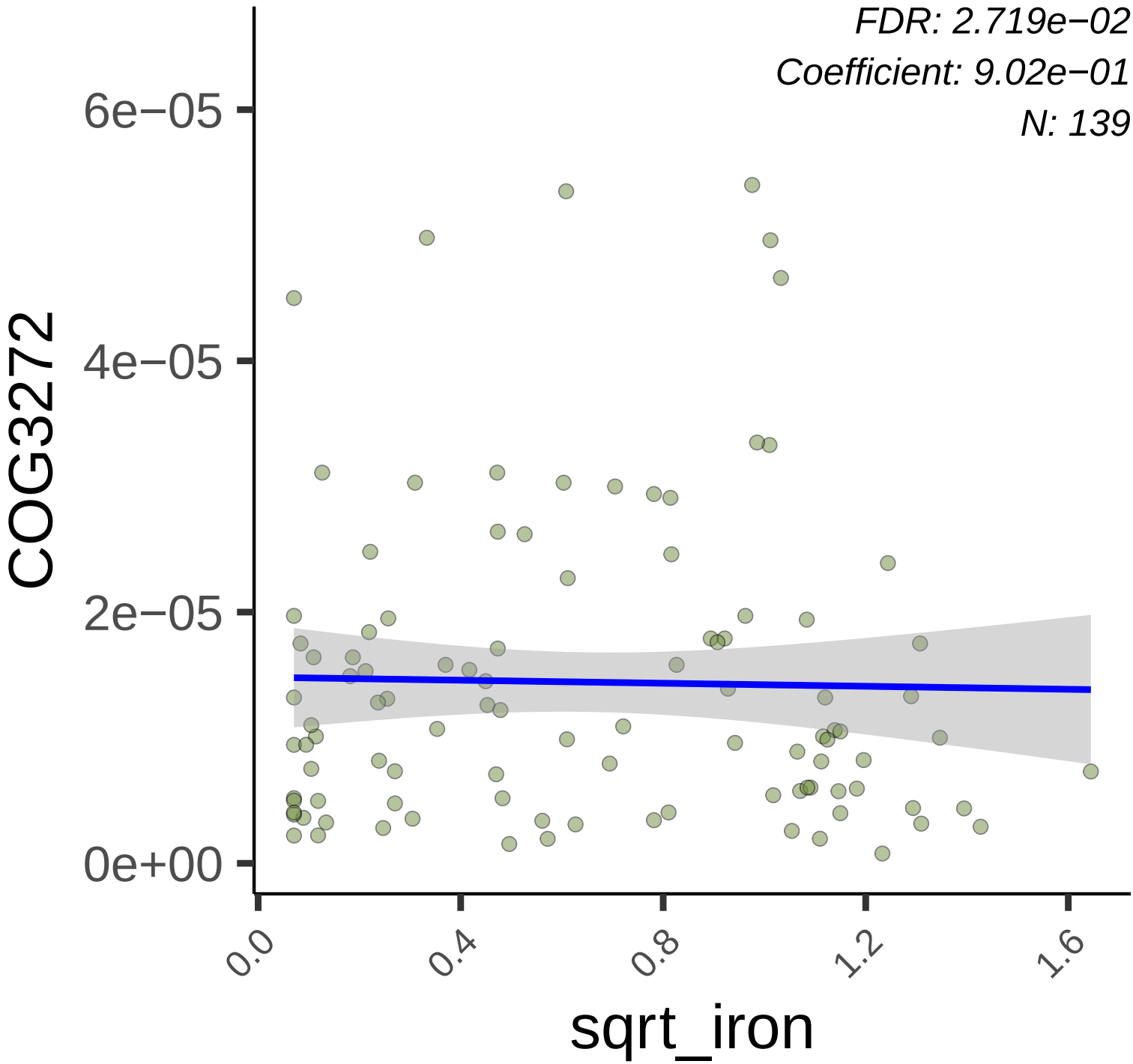
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.718e−02
Coefficient: −8.83e−02
N: 139
7e−04
6e−04
5e−04
4e−04
3e−04
COG0331
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.719e−02
Coefficient: 9.02e−01
N: 139
COG3272
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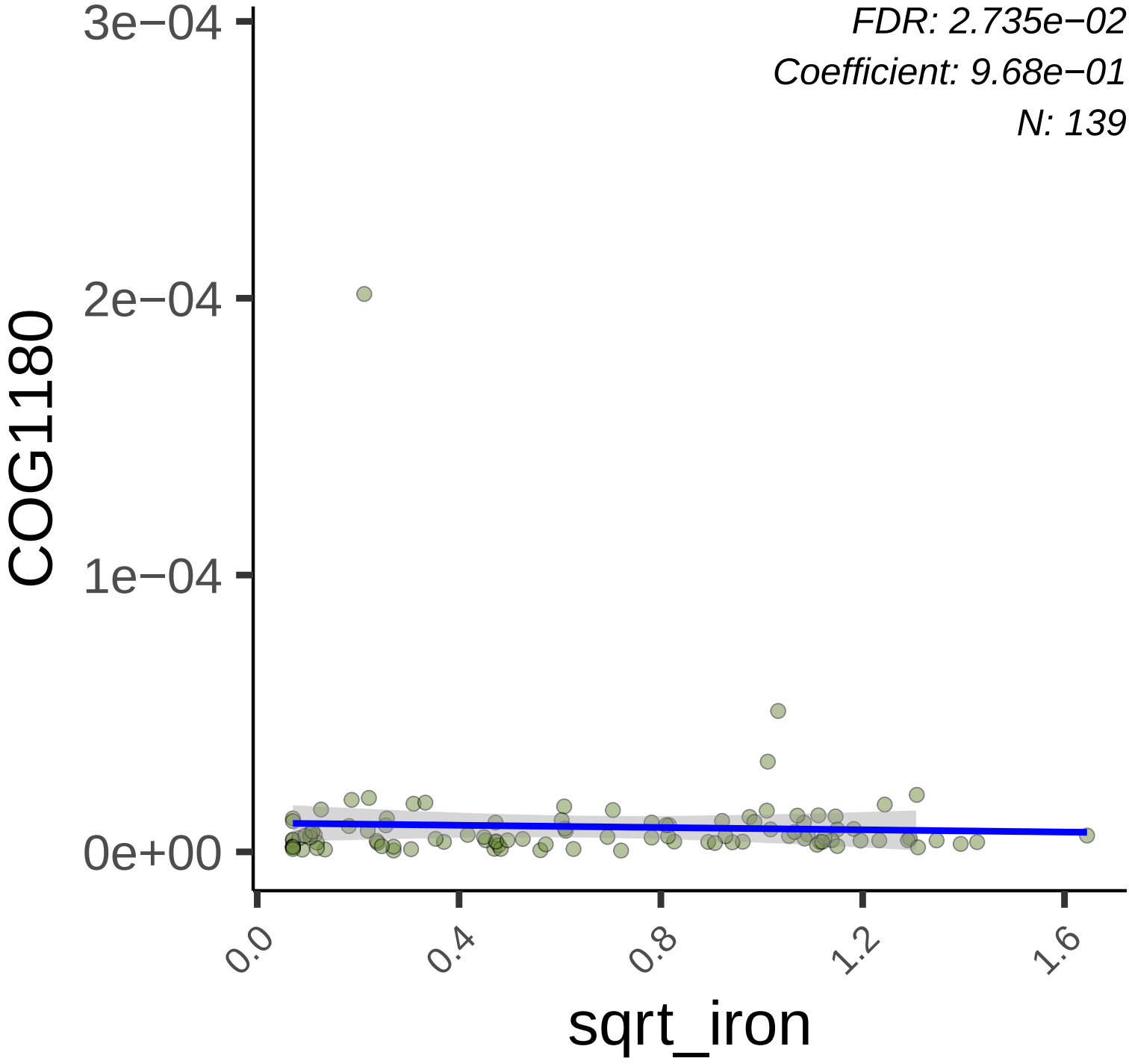
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.735e−02
Coefficient: 9.68e−01
N: 139
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2e−04
1e−04
0e+00
COG1180
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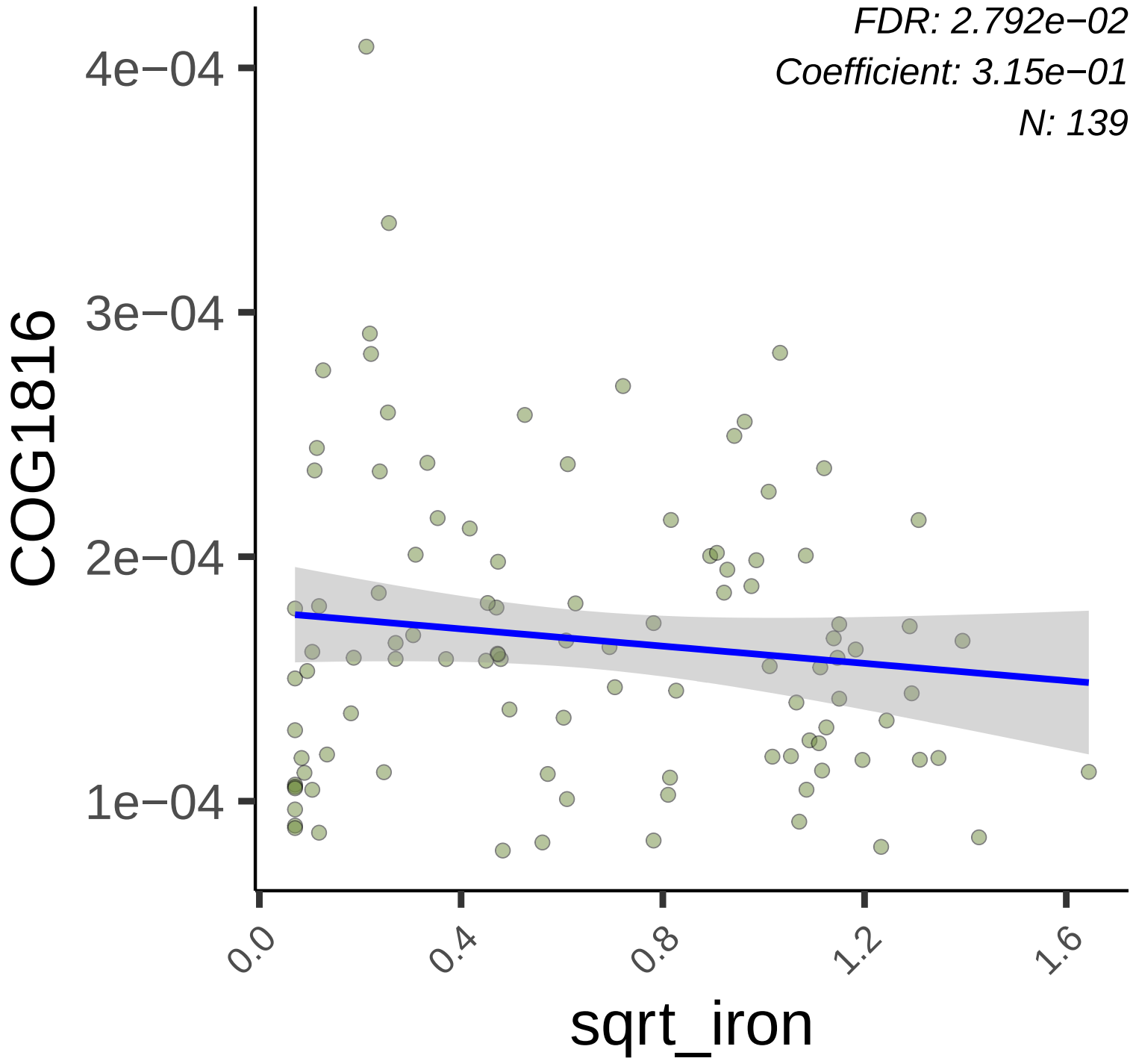
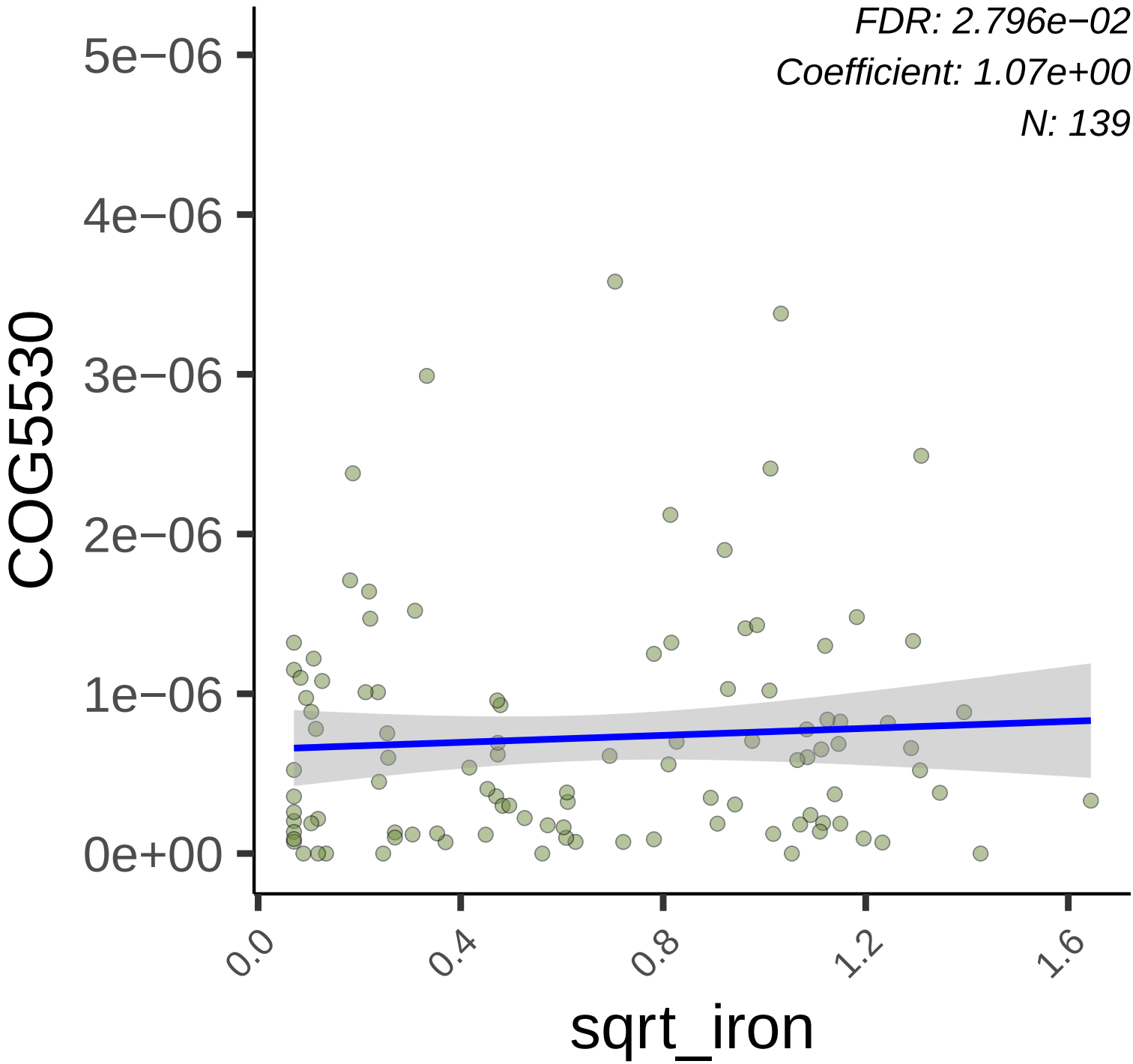
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.792e−02
Coefficient: 3.15e−01
N: 139
COG1816
4e−04
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.796e−02
Coefficient: 1.07e+00
N: 139
COG5530
5e−06
4e−06
3e−06
2e−06
1e−06
0e+00
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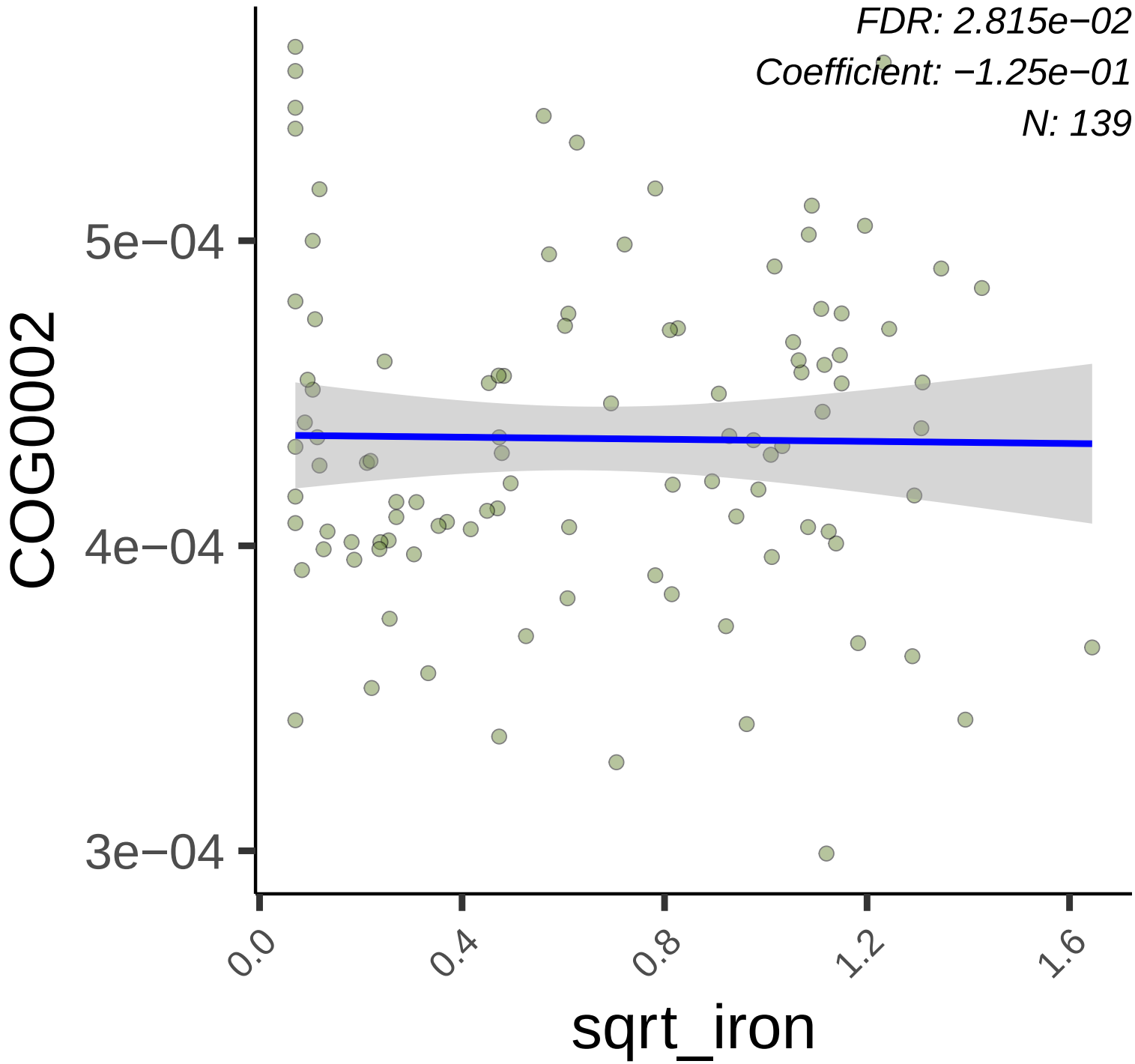
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.815e−02
Coefficient: −1.25e−01
N: 139
COG0002
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4e−04
3e−04
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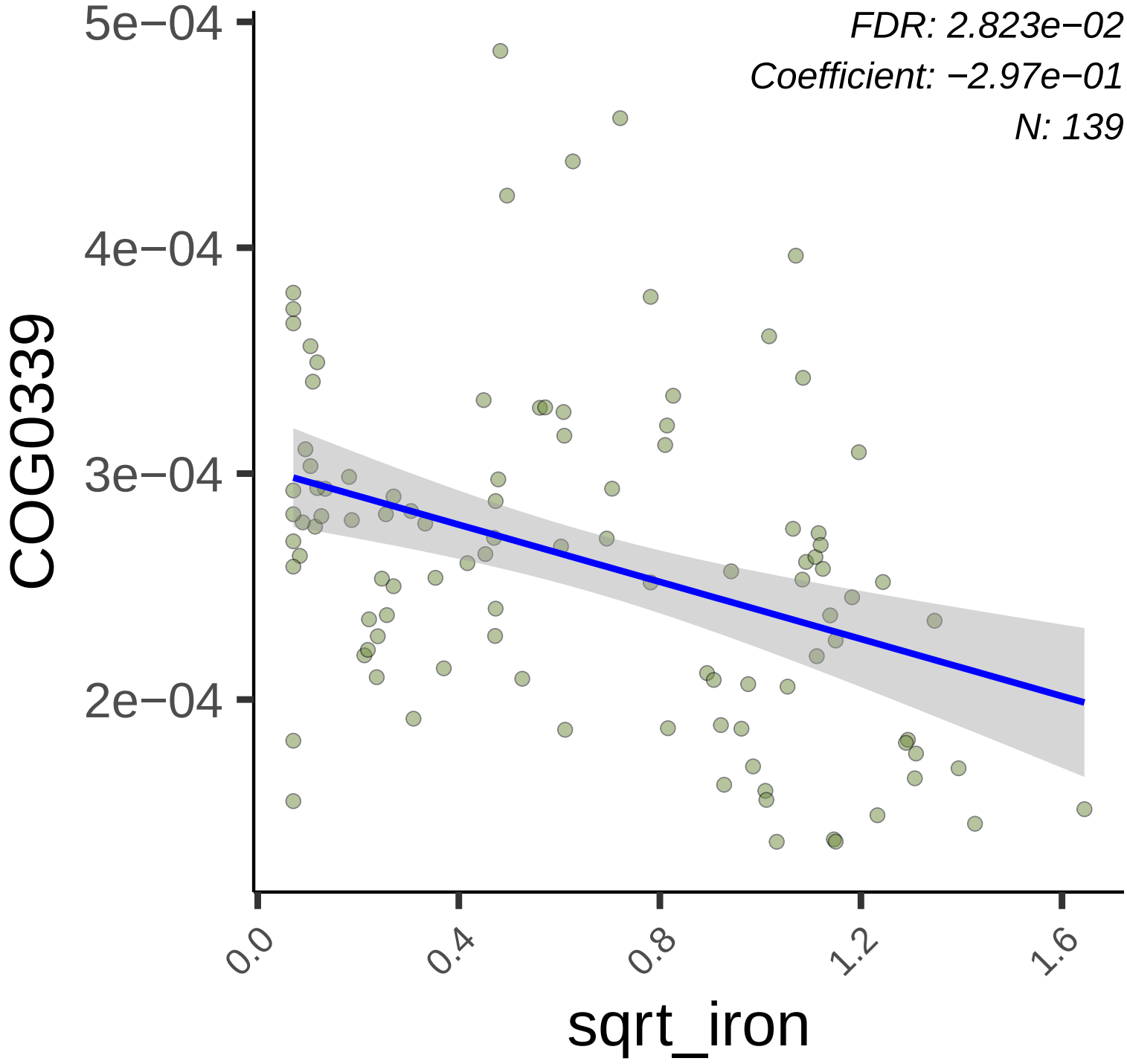
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.823e−02
Coefficient: −2.97e−01
N: 139
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4e−04
3e−04
2e−04
COG0339
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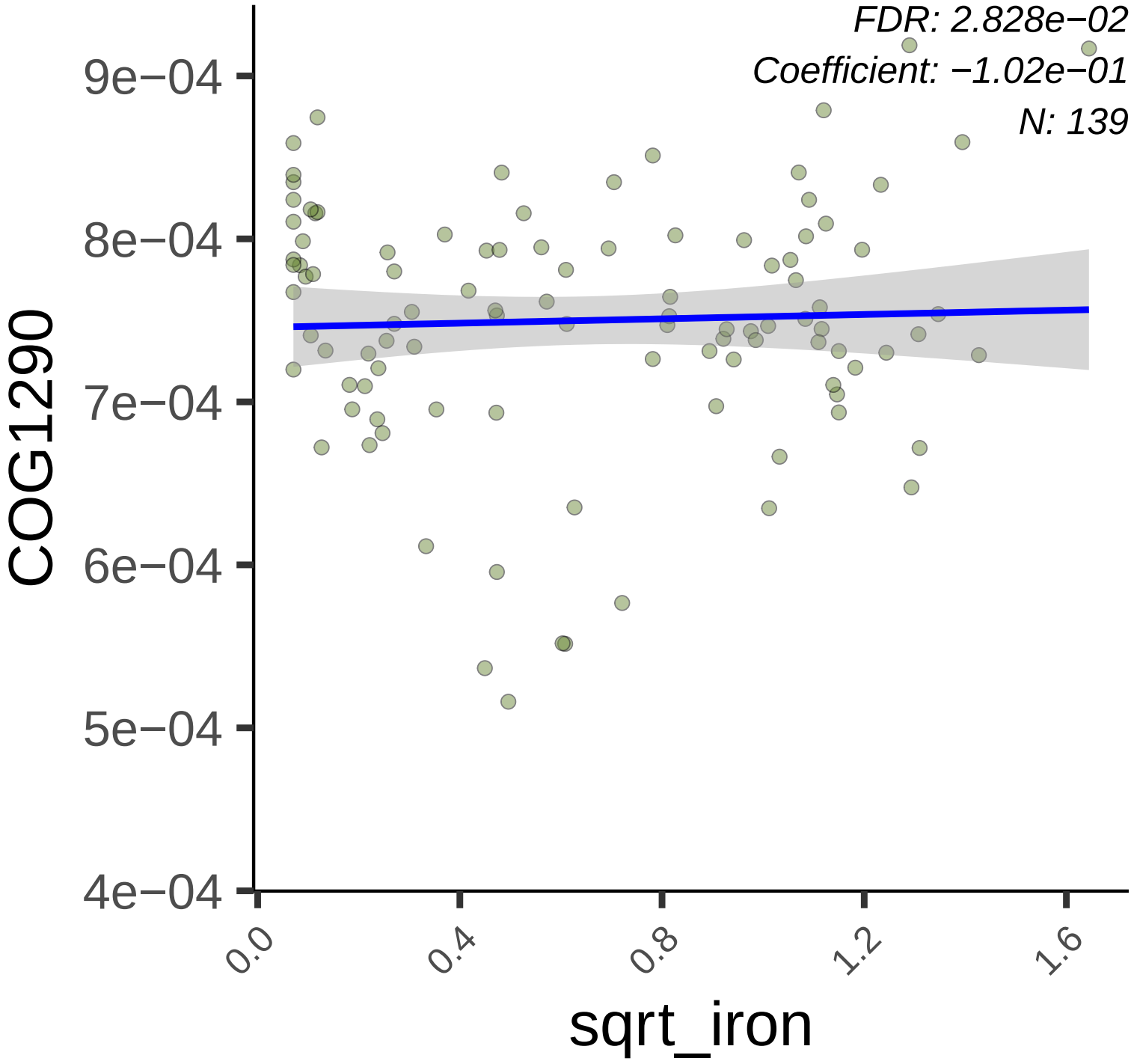
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.828e−02
Coefficient: −1.02e−01
N: 139
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8e−04
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5e−04
4e−04
COG1290
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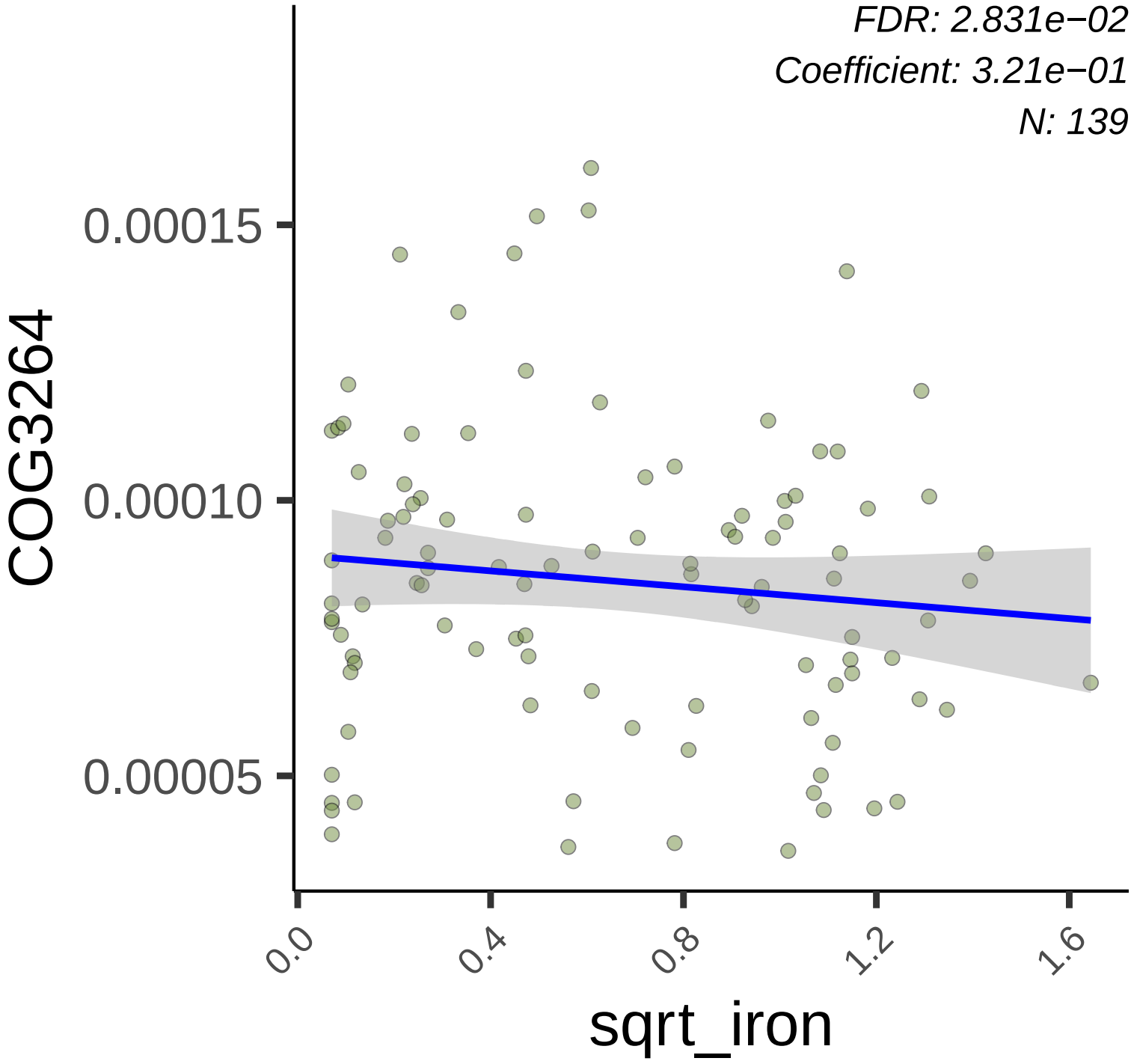
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.831e−02
Coefficient: 3.21e−01
N: 139
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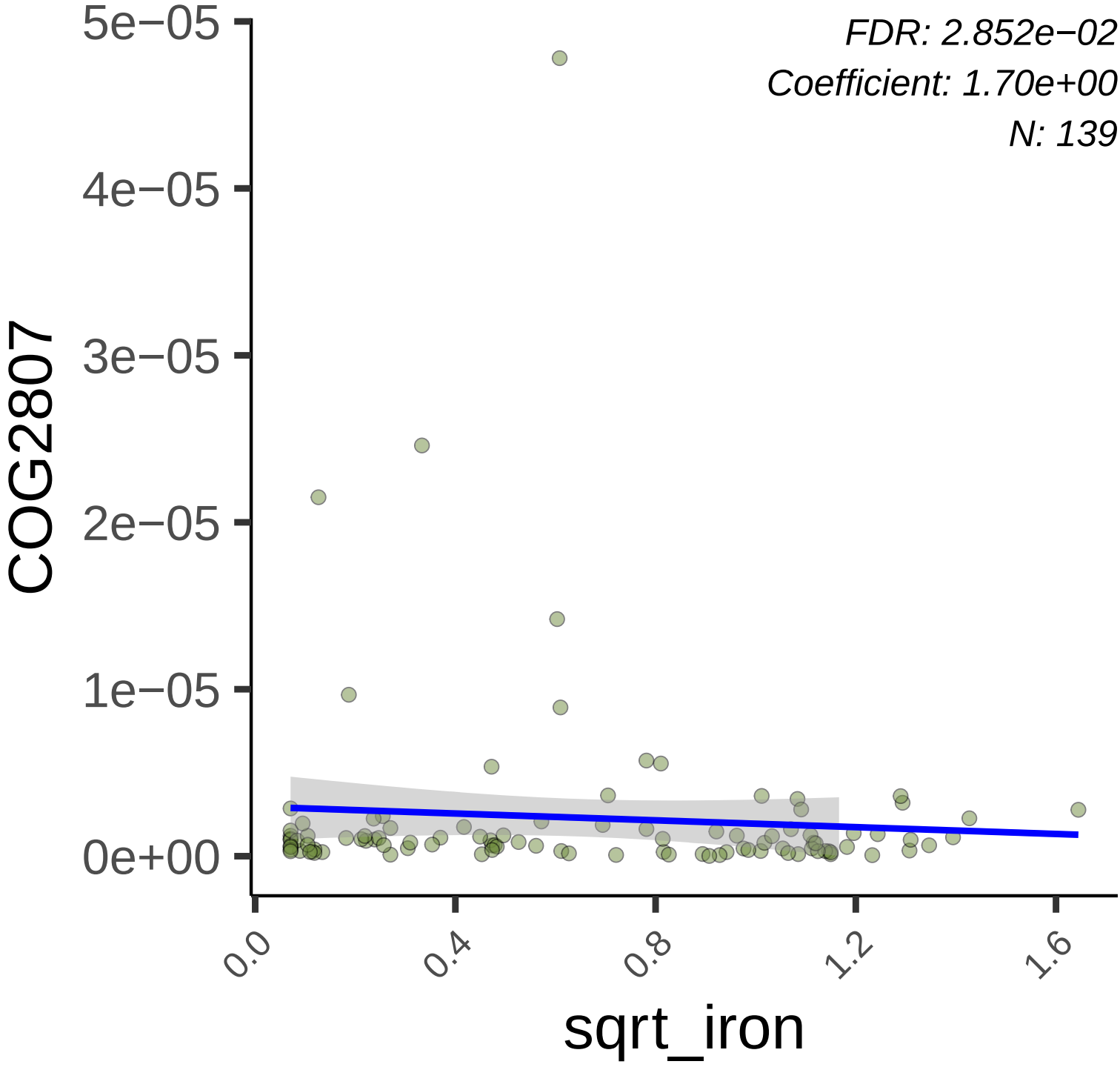
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.852e−02
Coefficient: 1.70e+00
N: 139
COG2807
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2e−05
1e−05
0e+00
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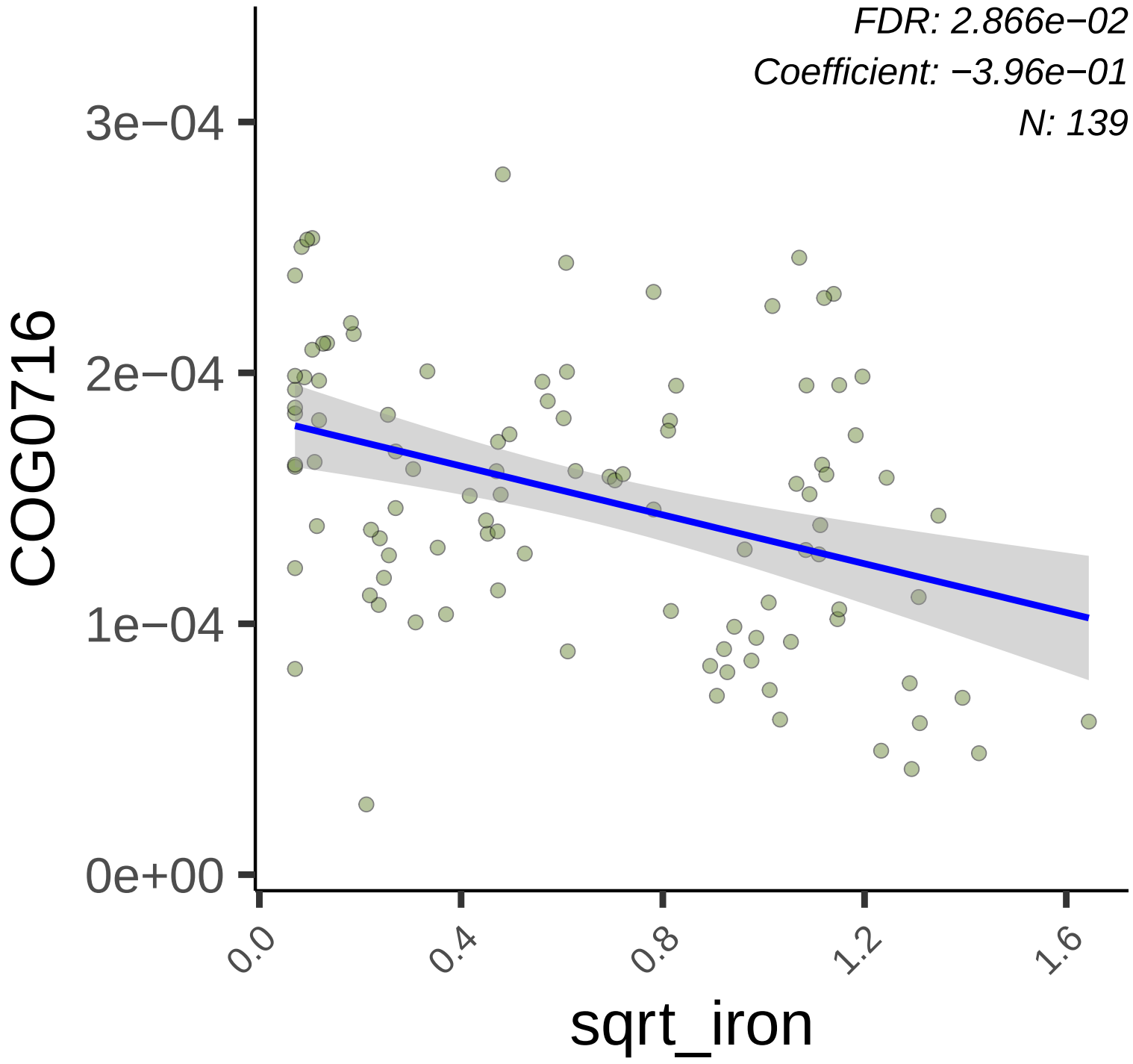
0.8
1.2
1.6
sqrt_iron


FDR: 2.866e−02
Coefficient: −3.96e−01
N: 139
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2e−04
1e−04
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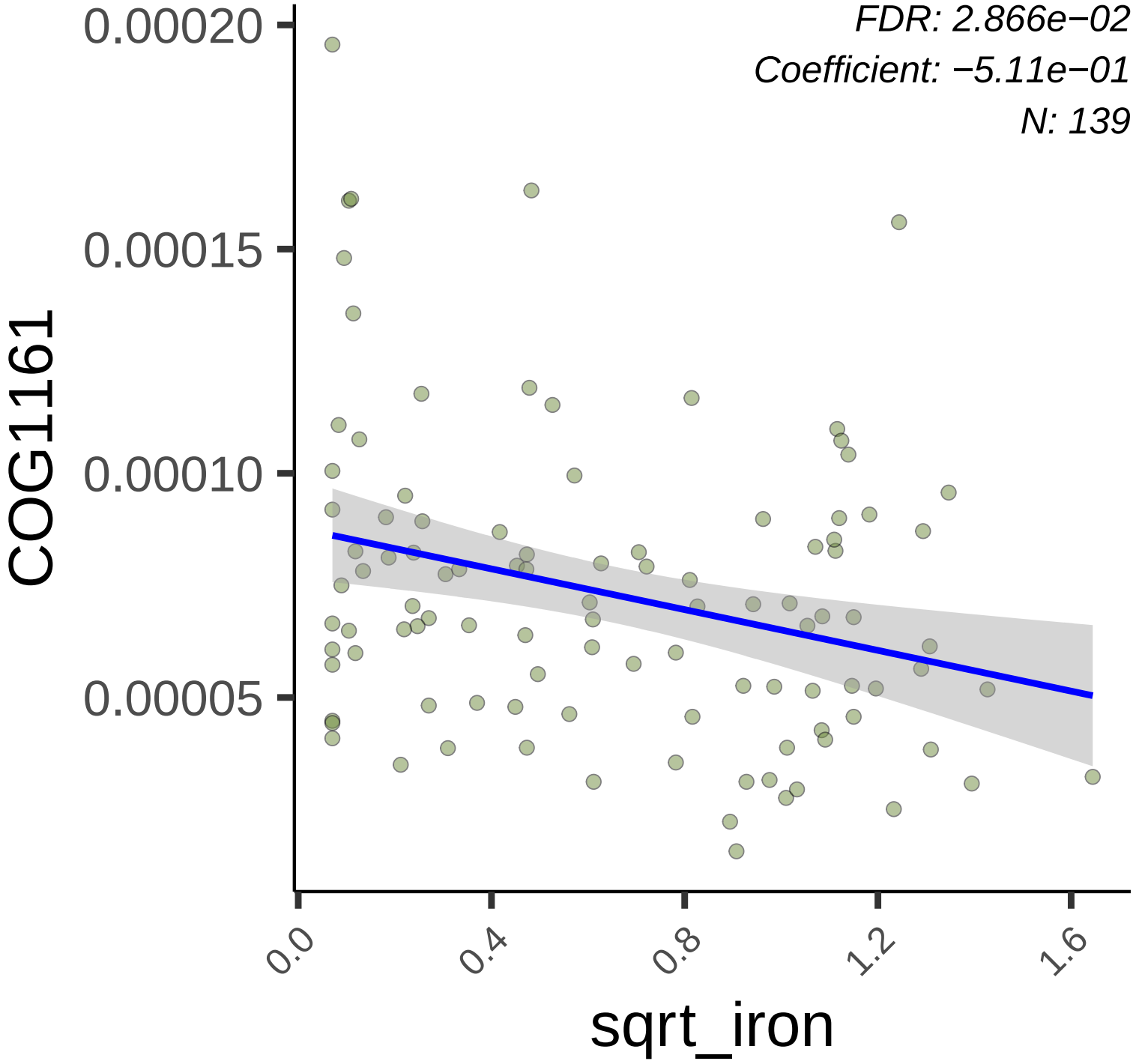
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.866e−02
Coefficient: −5.11e−01
N: 139
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COG1161
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0.8
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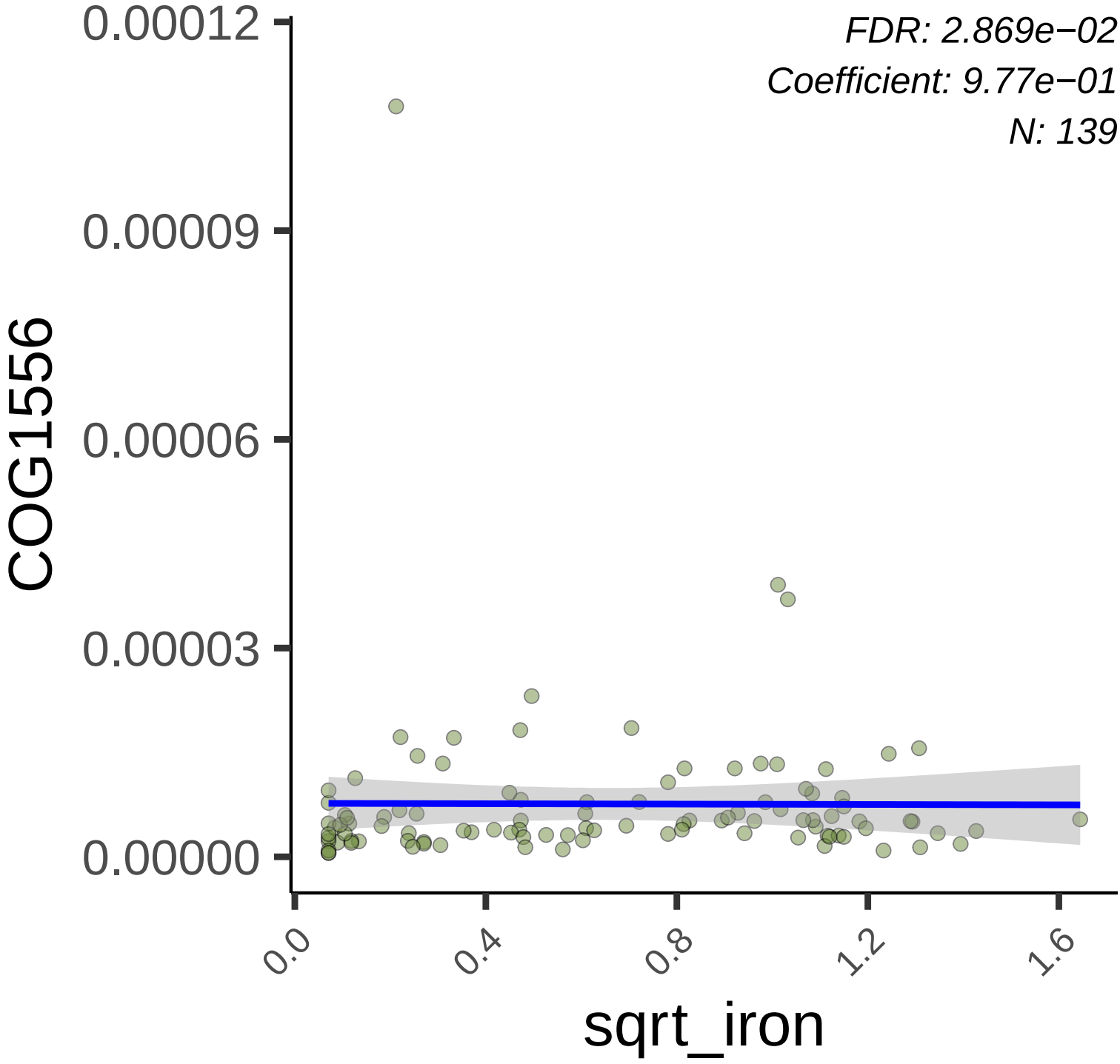
1.6
sqrt_iron


FDR: 2.869e−02
Coefficient: 9.77e−01
N: 139
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COG1556
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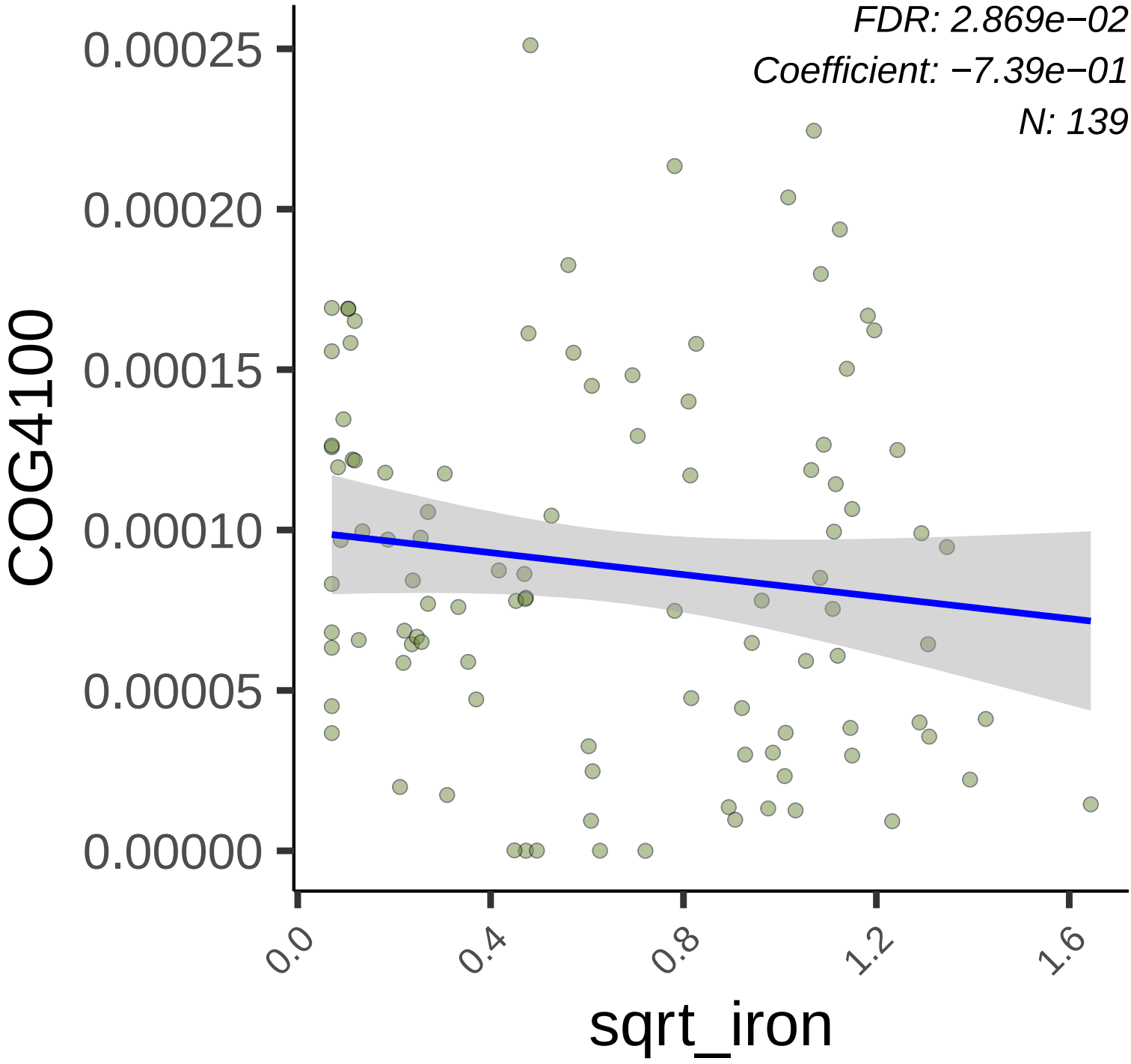
1.2
1.6
sqrt_iron


FDR: 2.869e−02
Coefficient: −7.39e−01
N: 139
COG4100
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0.00010
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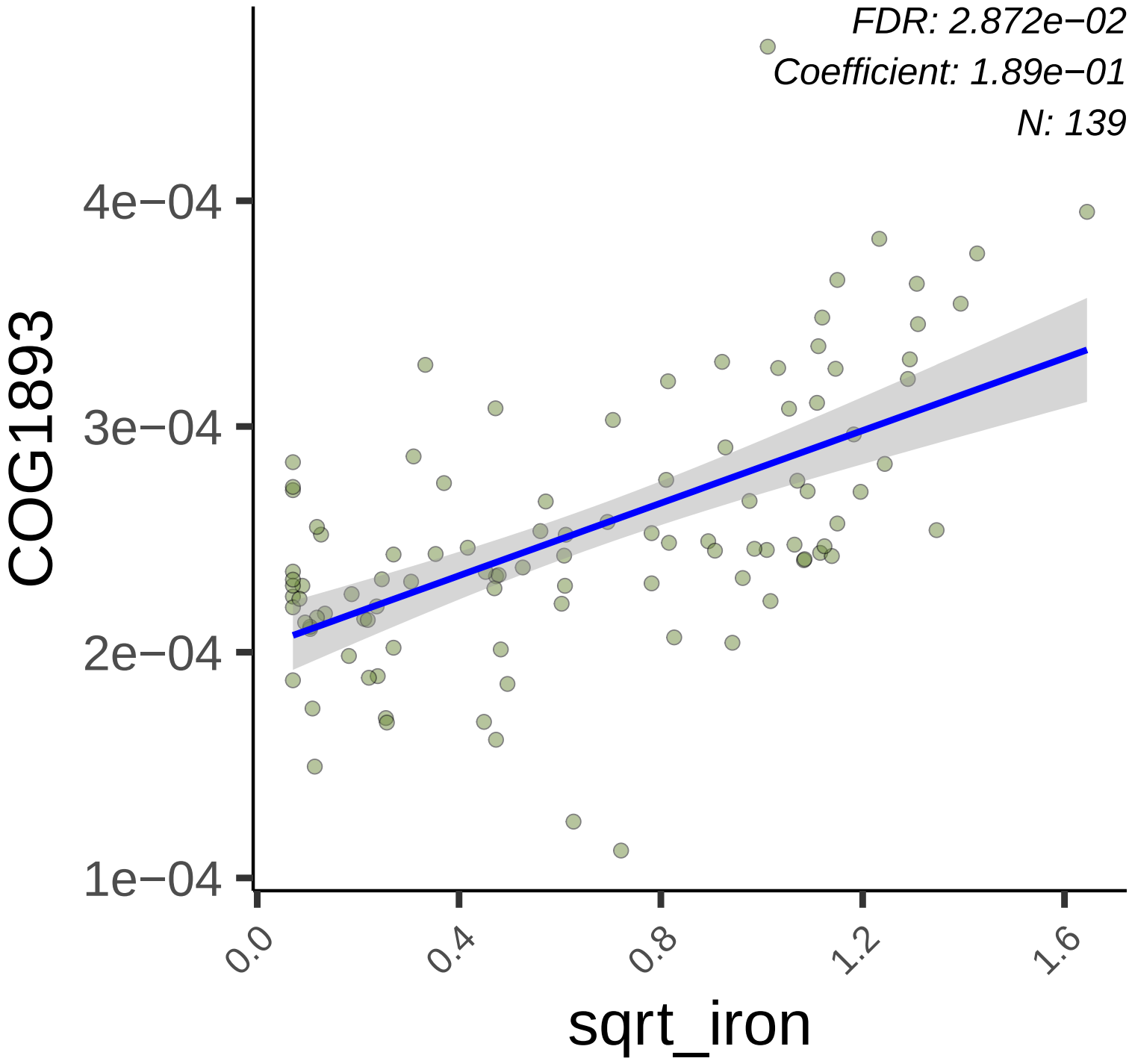
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.872e−02
Coefficient: 1.89e−01
N: 139
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2e−04
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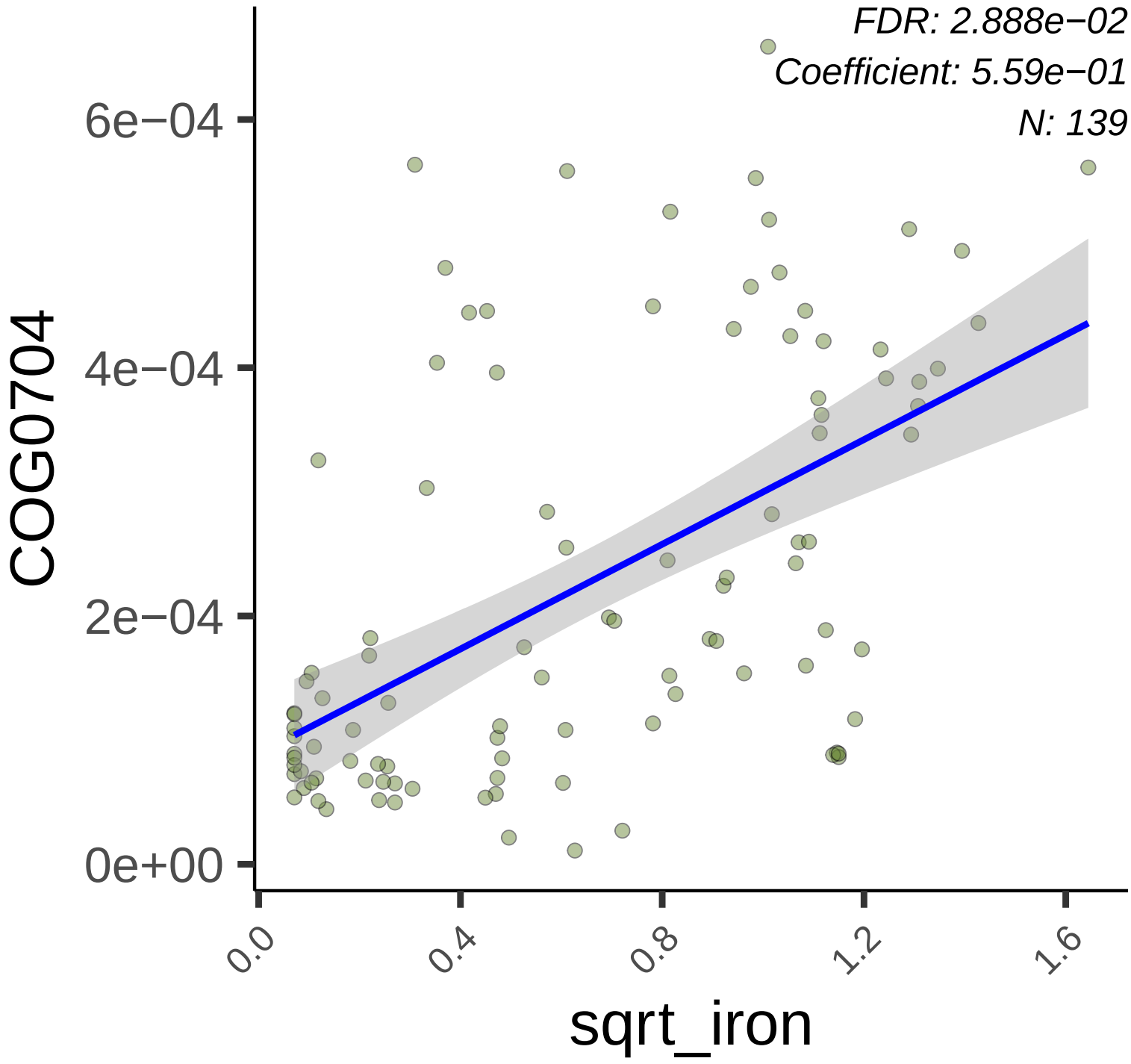
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.888e−02
Coefficient: 5.59e−01
N: 139
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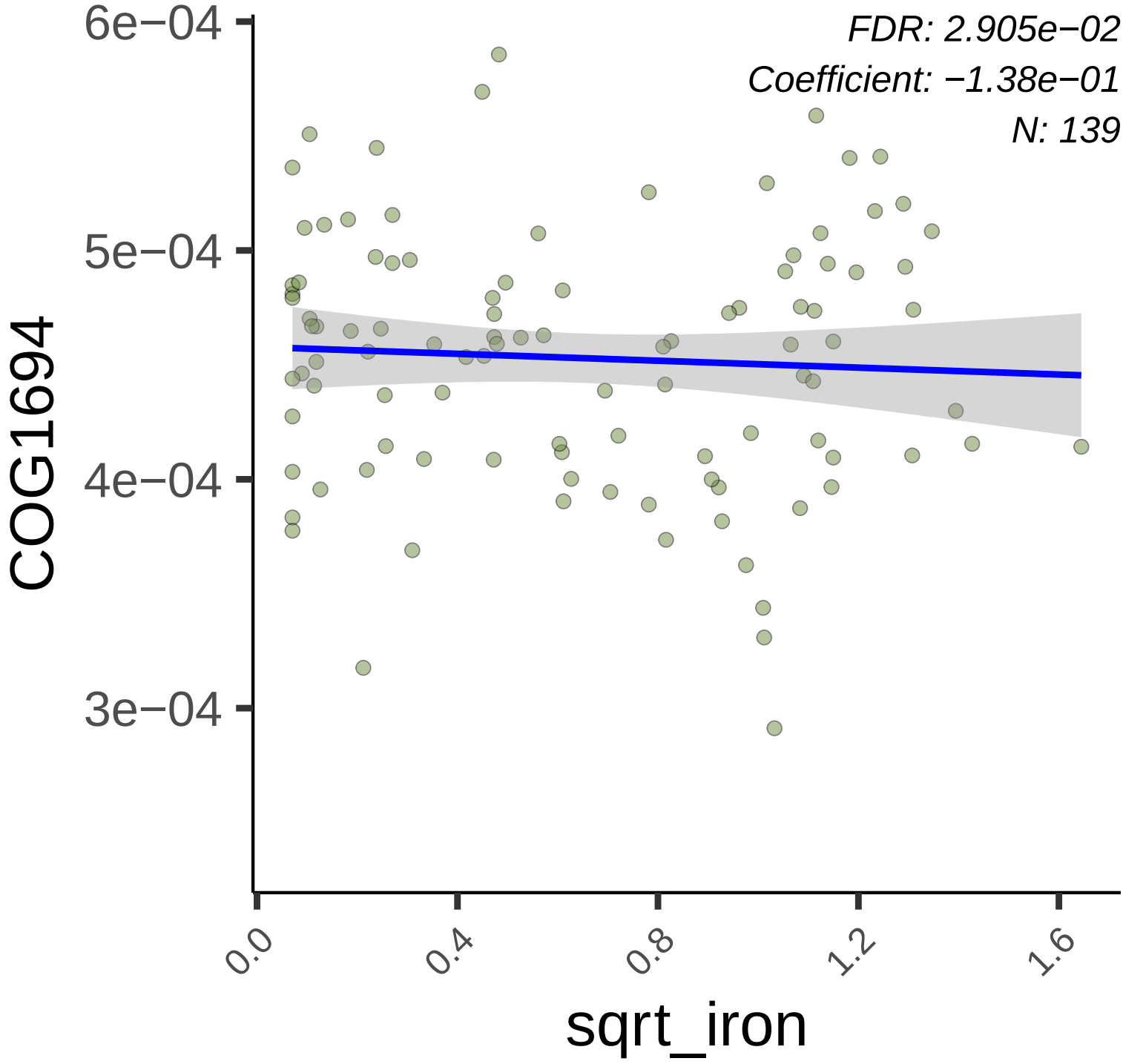
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.905e−02
Coefficient: −1.38e−01
N: 139
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COG1694
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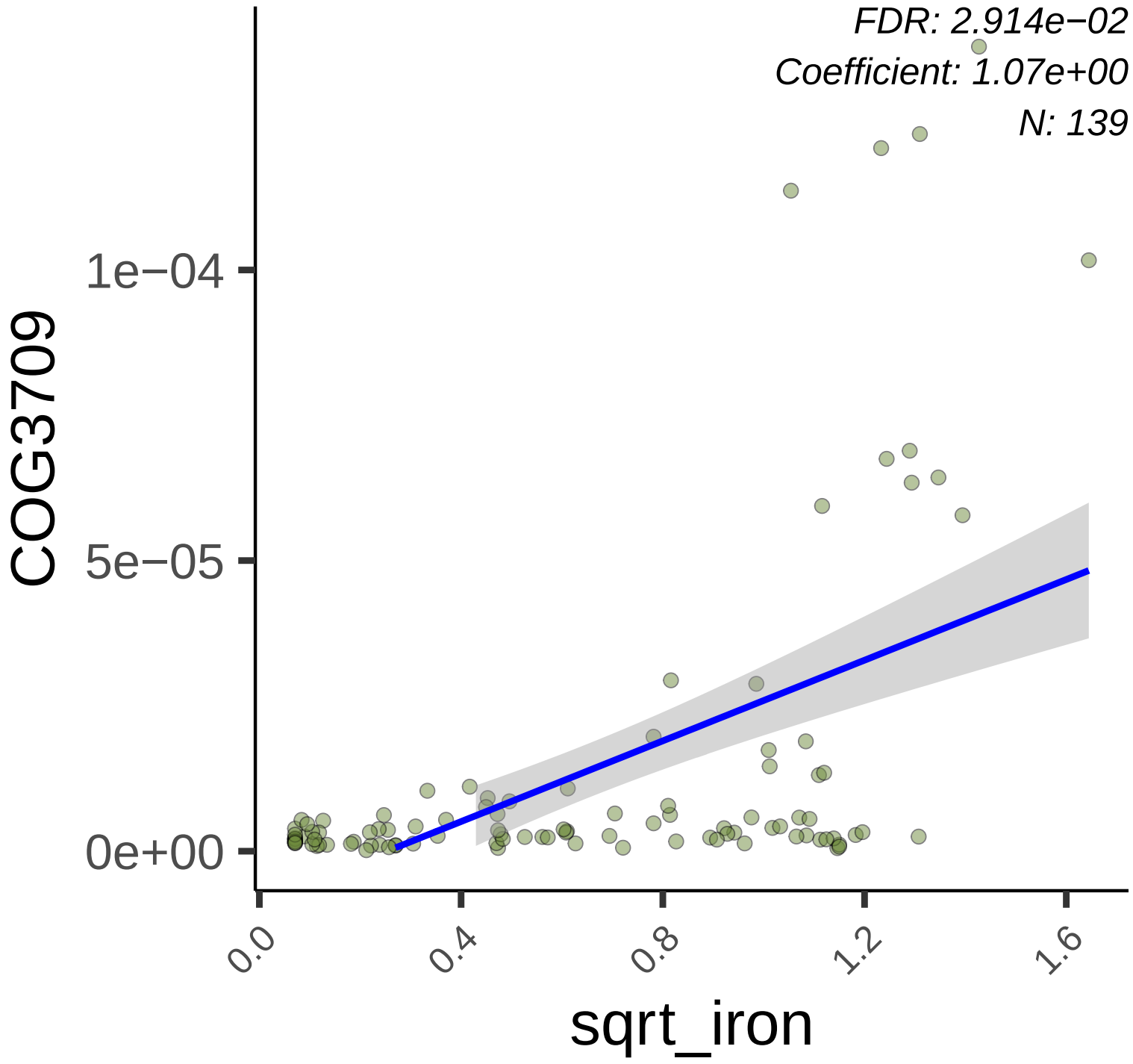
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.914e−02
Coefficient: 1.07e+00
N: 139
COG3709
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5e−05
0e+00
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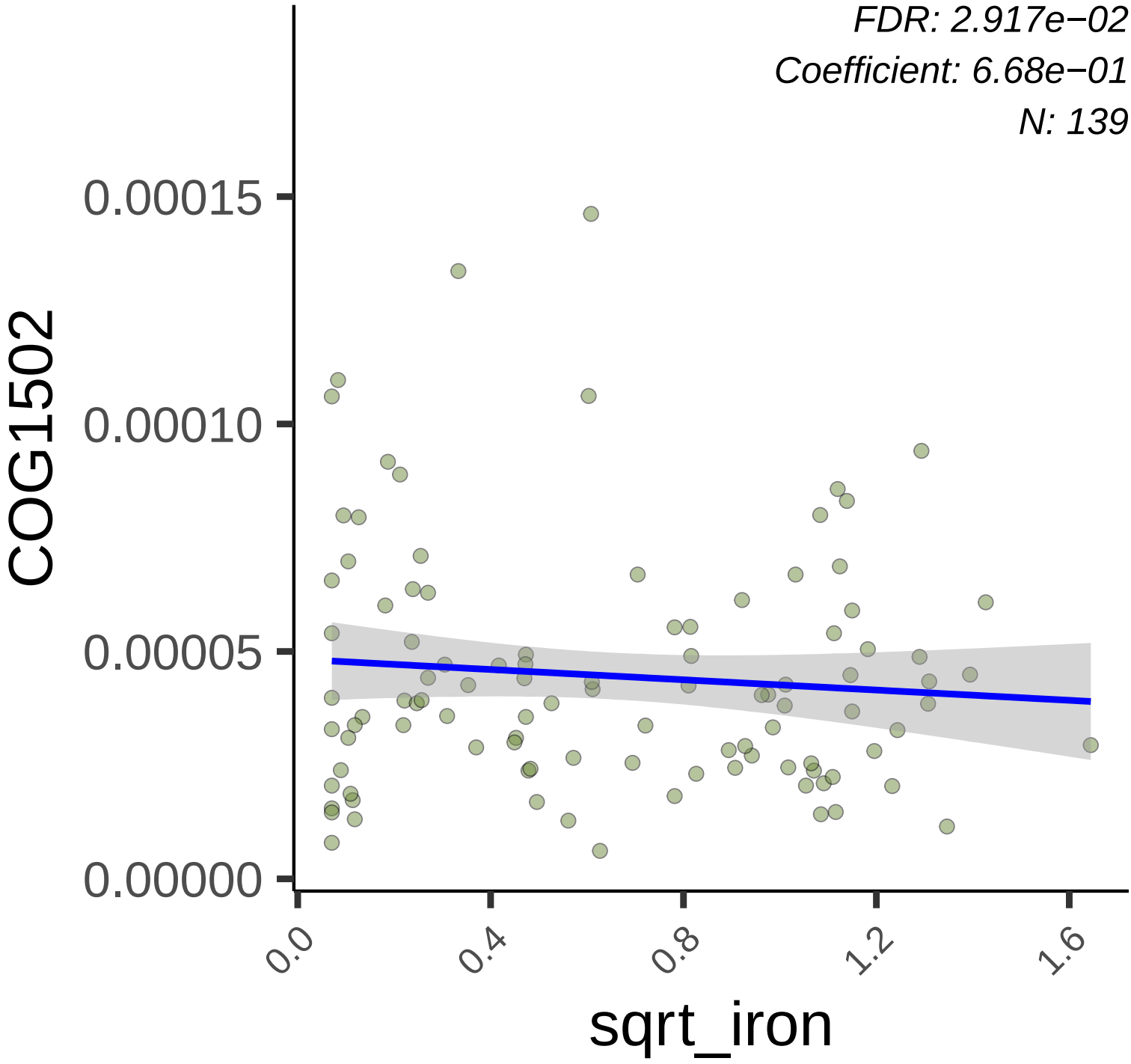
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.917e−02
Coefficient: 6.68e−01
N: 139
COG1502
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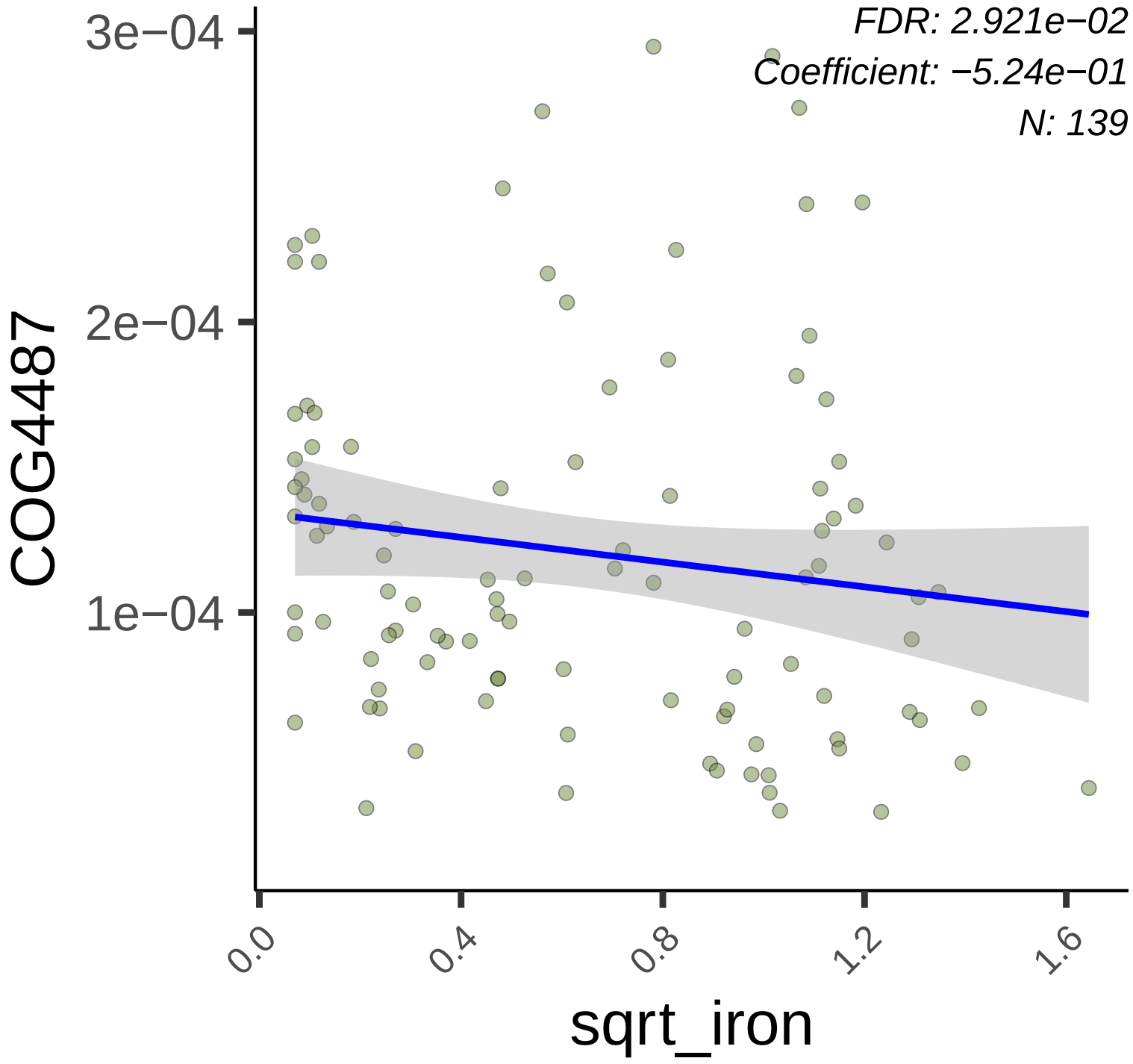
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.921e−02
Coefficient: −5.24e−01
N: 139
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2e−04
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COG4487
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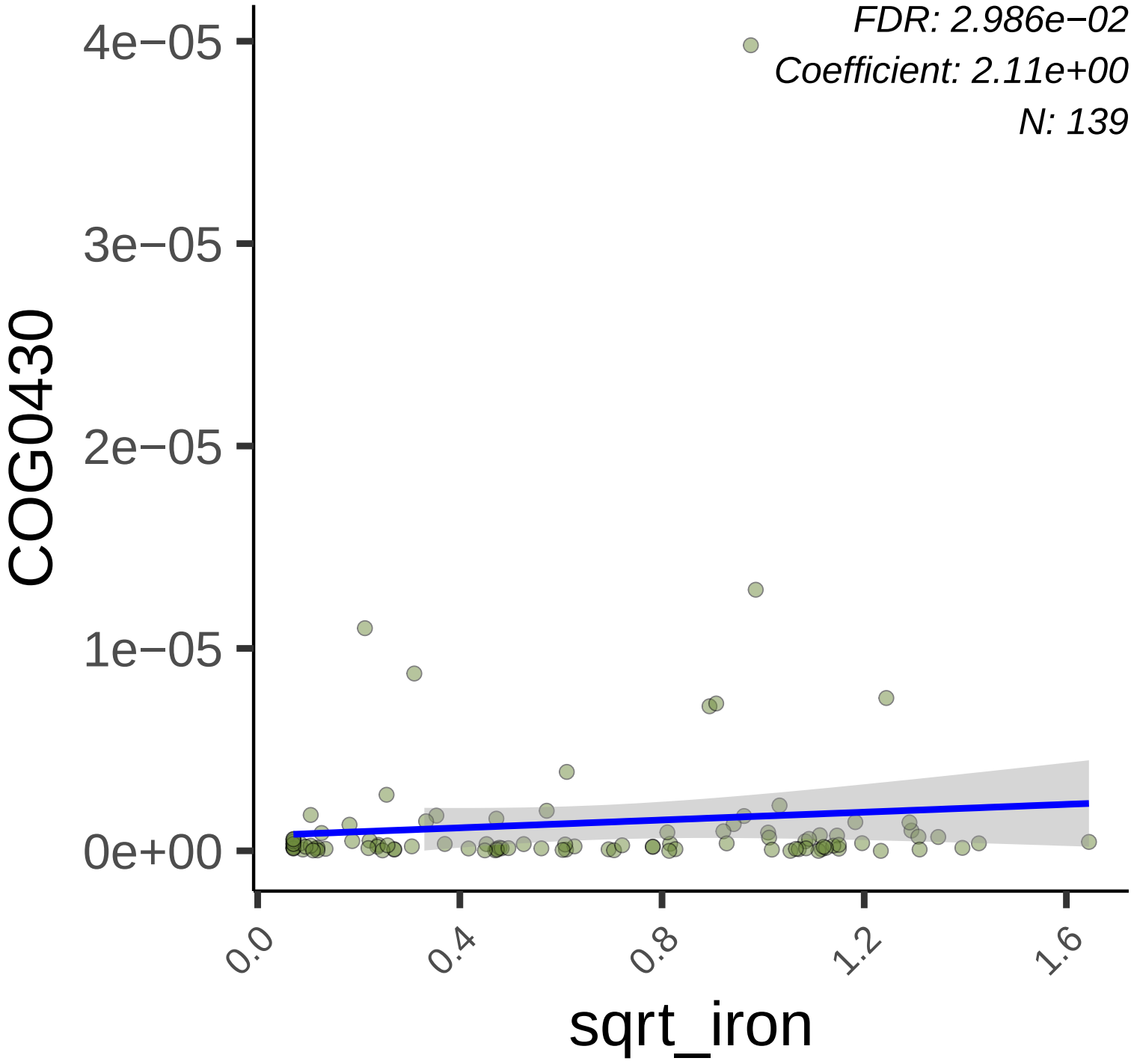
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.986e−02
Coefficient: 2.11e+00
N: 139
COG0430
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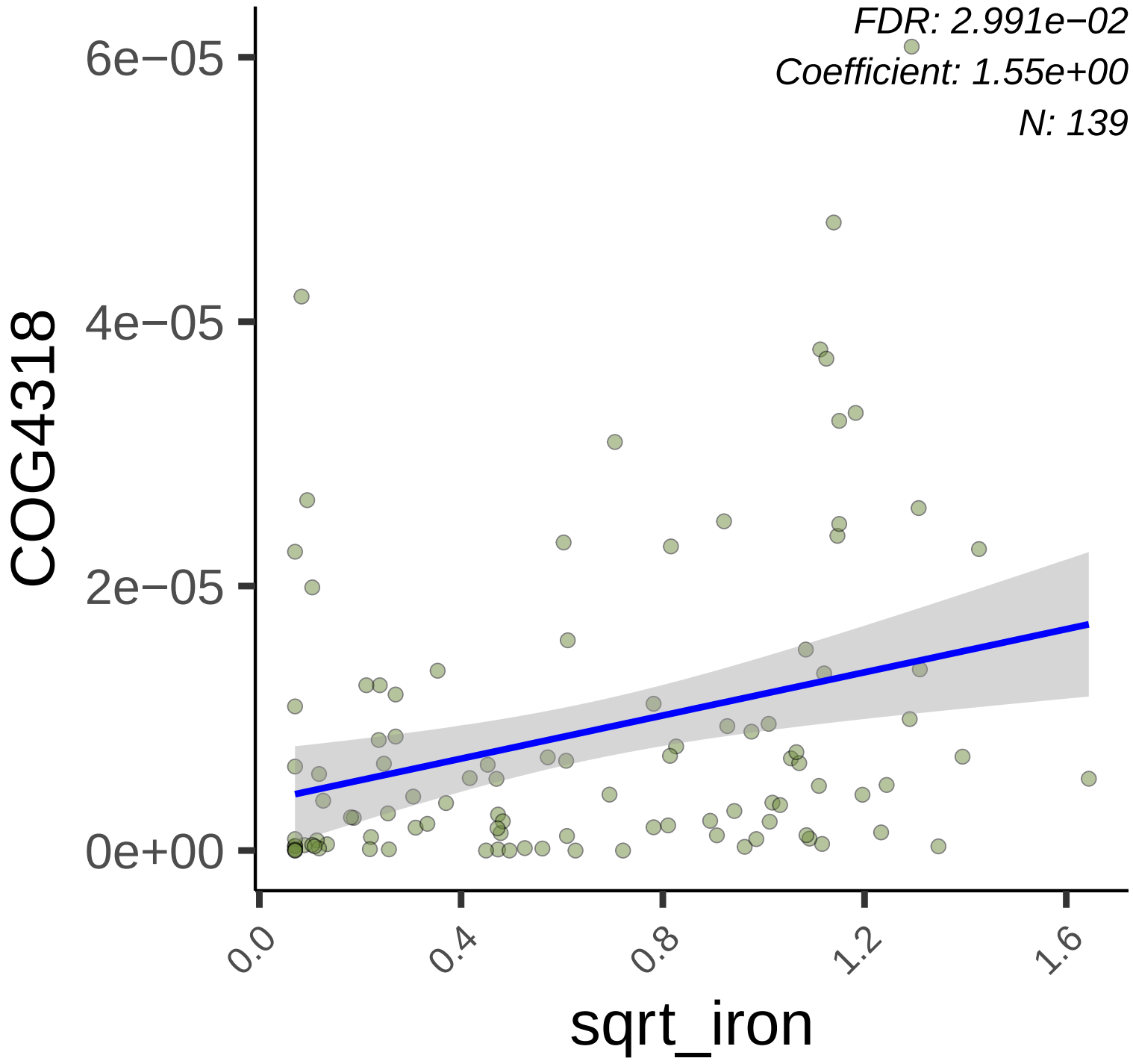
3e−05
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.991e−02
Coefficient: 1.55e+00
N: 139
COG4318
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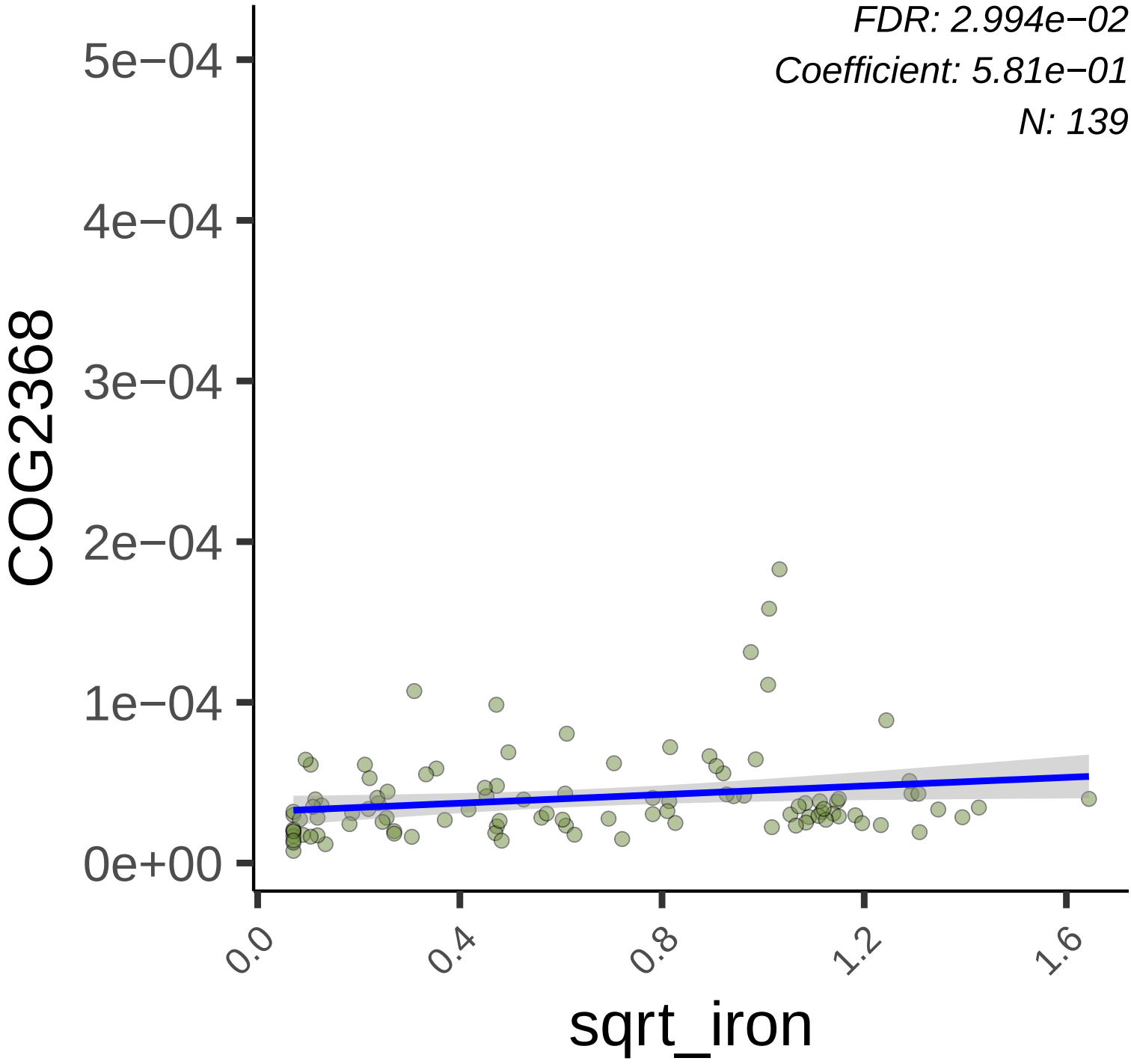
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 2.994e−02
Coefficient: 5.81e−01
N: 139
COG2368
5e−04
4e−04
3e−04
2e−04
1e−04
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0.4
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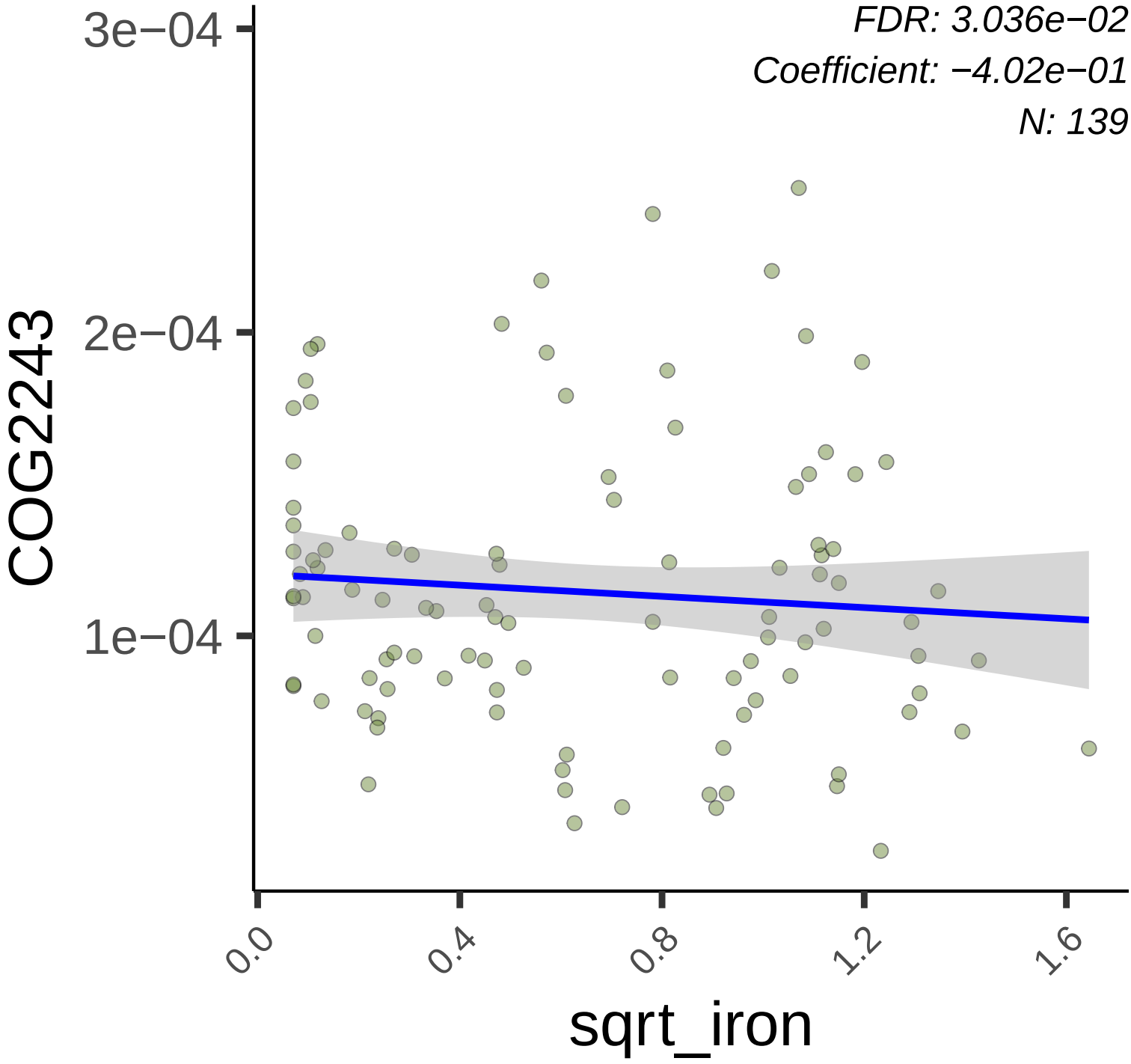
1.6
sqrt_iron


FDR: 3.036e−02
Coefficient: −4.02e−01
N: 139
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1e−04
COG2243
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0.4
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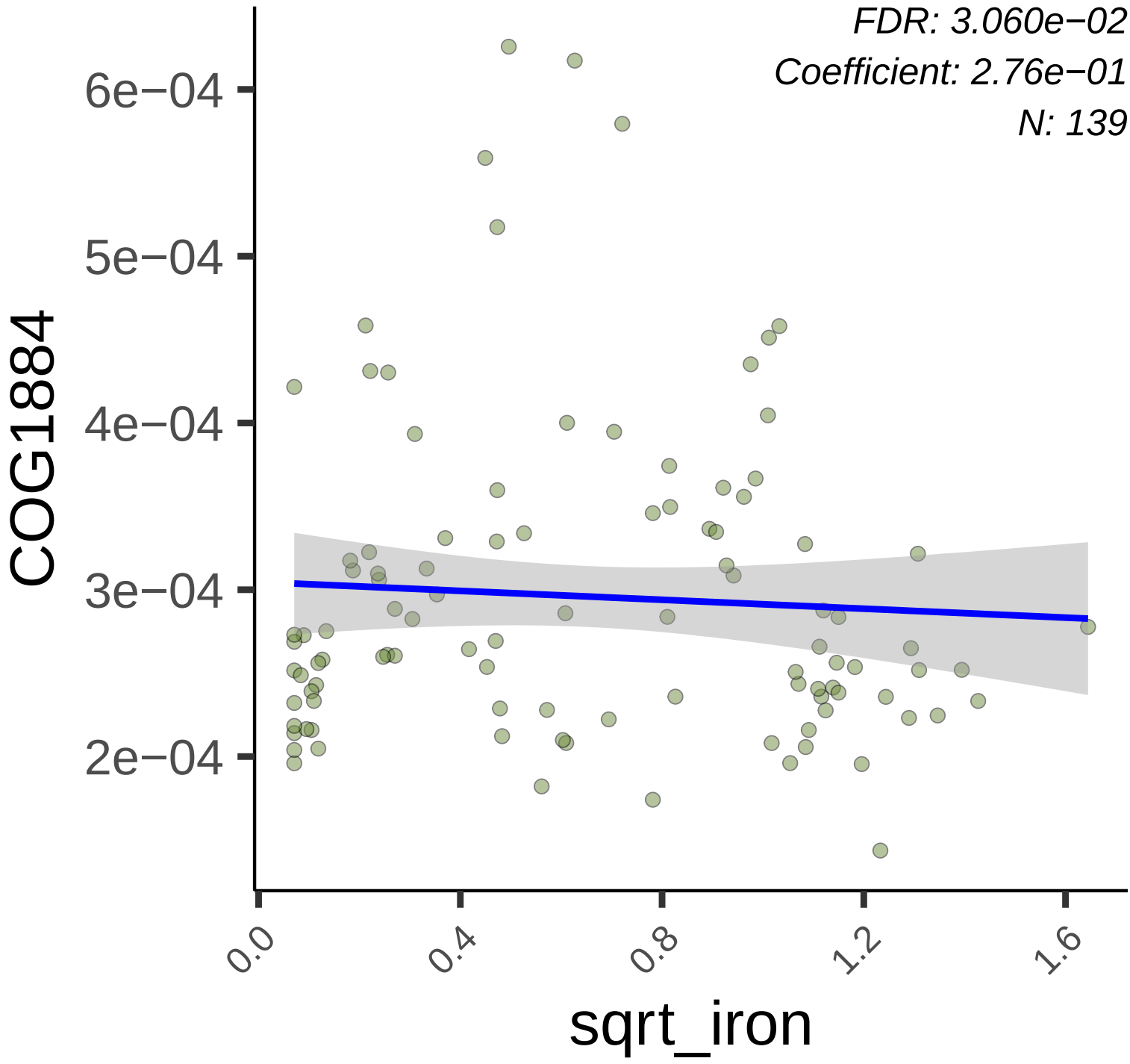
1.2
1.6
sqrt_iron


FDR: 3.060e−02
Coefficient: 2.76e−01
N: 139
COG1884
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4e−04
3e−04
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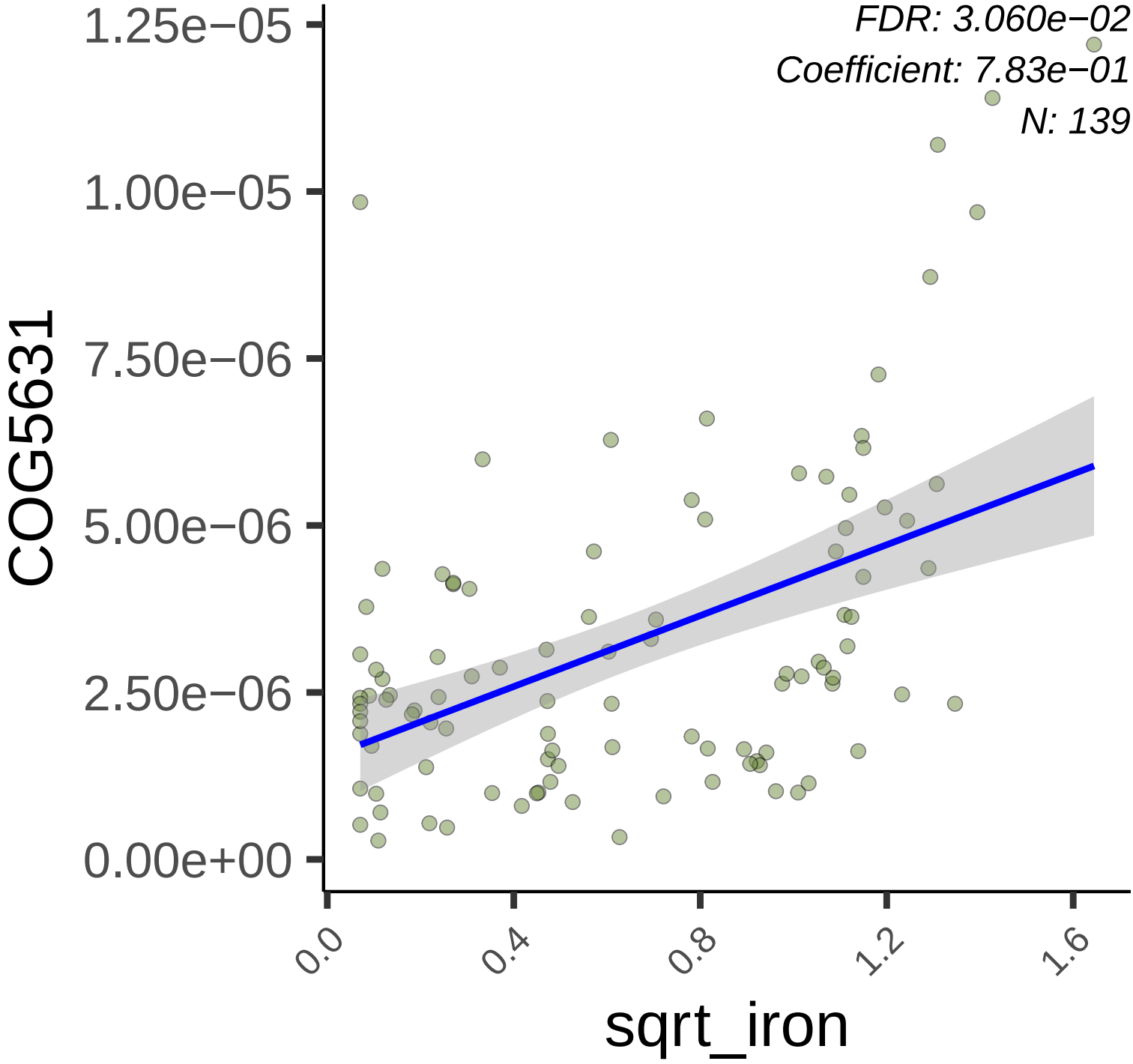
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.060e−02
Coefficient: 7.83e−01
N: 139
1.25e−05
1.00e−05
7.50e−06
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0.00e+00
COG5631
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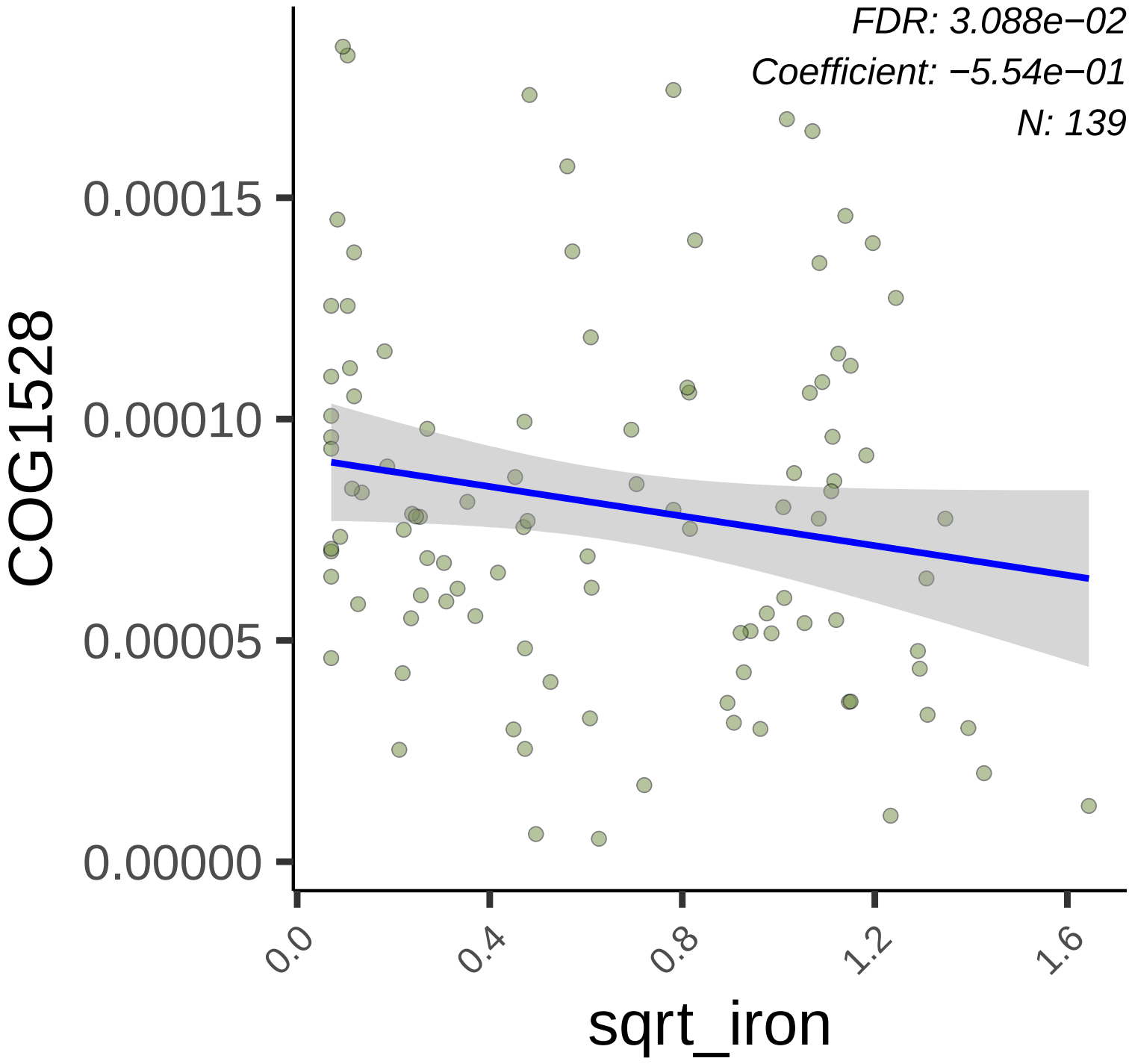
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.088e−02
Coefficient: −5.54e−01
N: 139
COG1528
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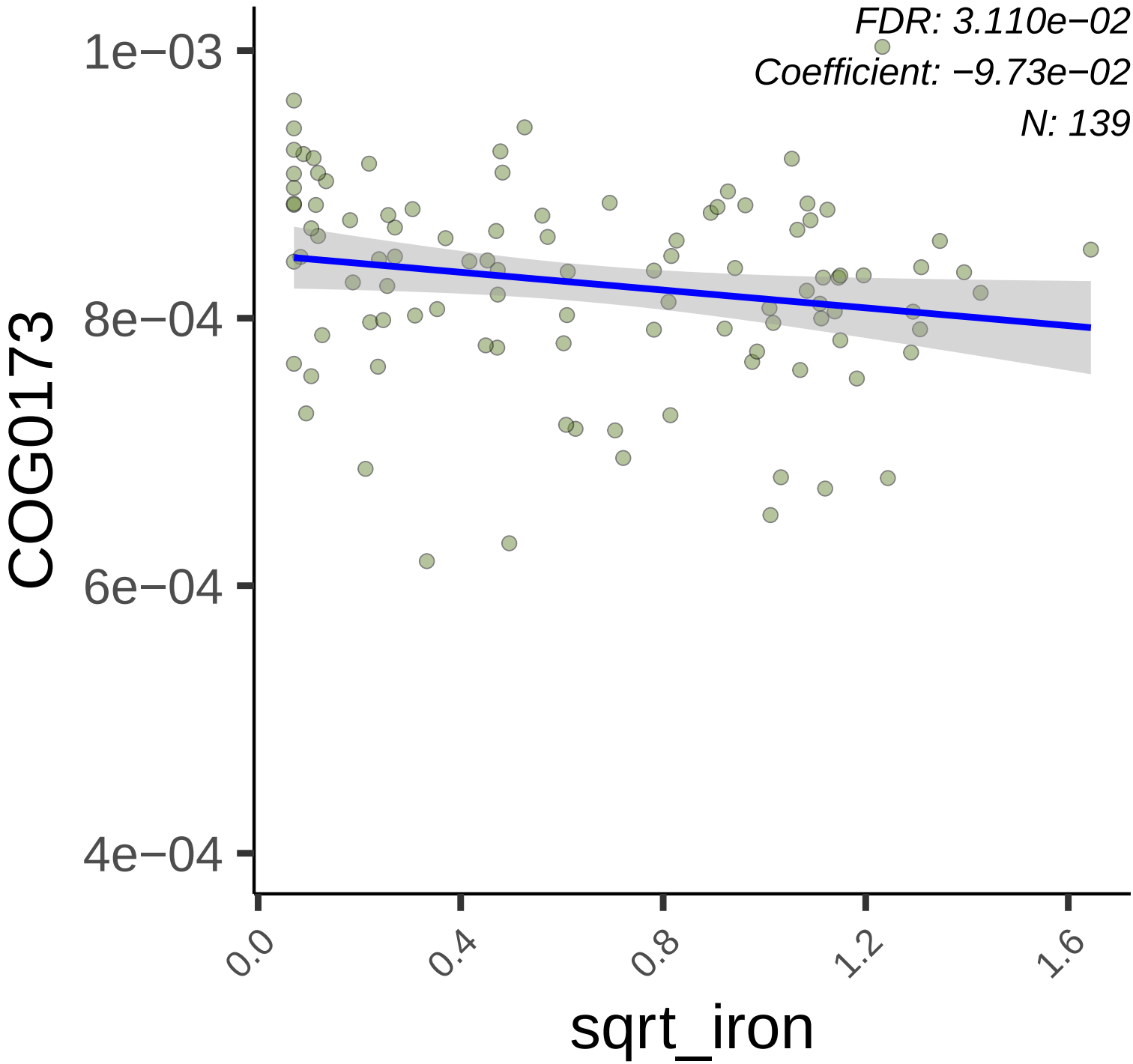
1.2
1.6
sqrt_iron


FDR: 3.110e−02
Coefficient: −9.73e−02
N: 139
1e−03
8e−04
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4e−04
COG0173
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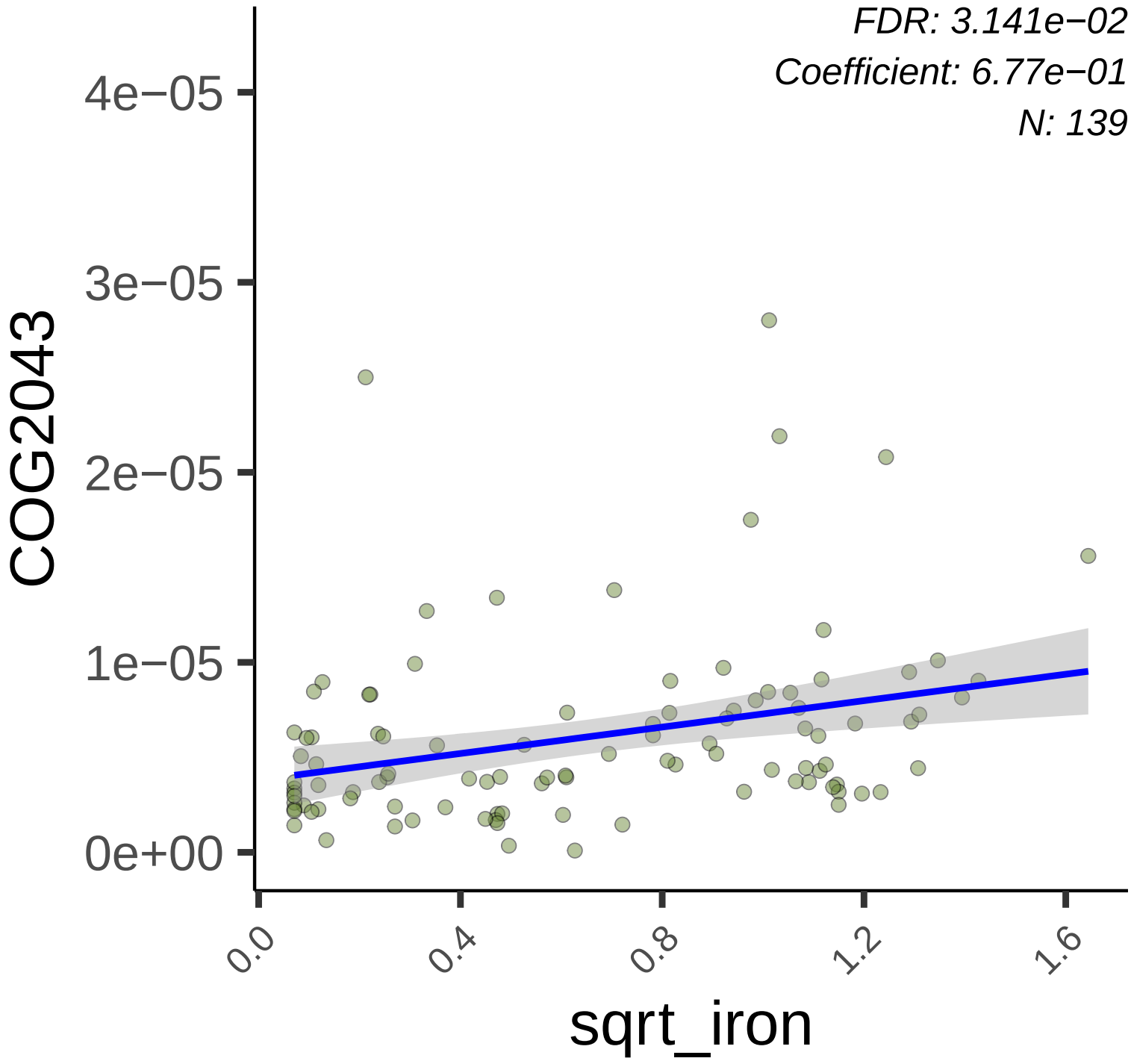
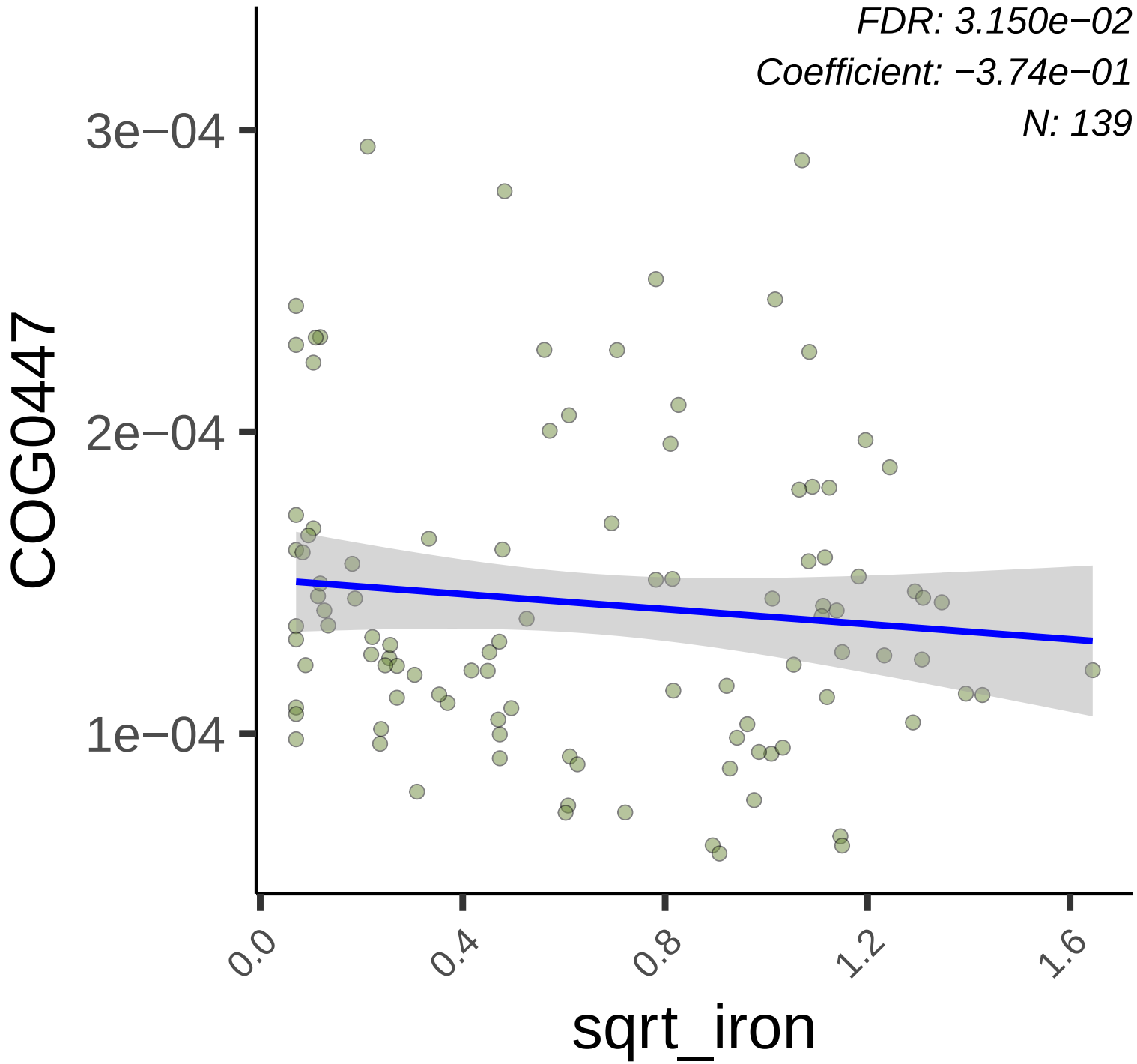
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.141e−02
Coefficient: 6.77e−01
N: 139
COG2043
4e−05
3e−05
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.150e−02
Coefficient: −3.74e−01
N: 139
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2e−04
1e−04
COG0447
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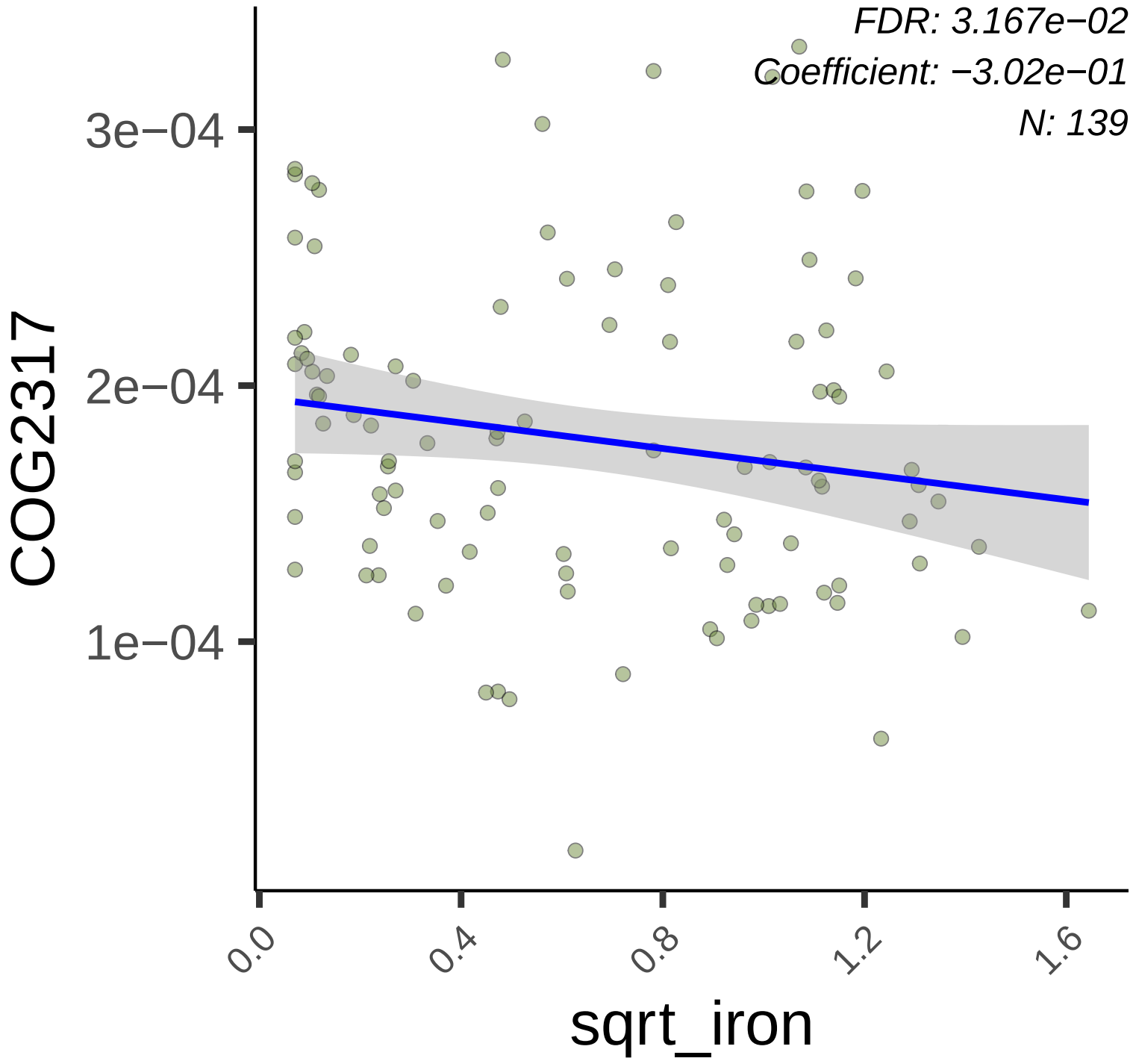
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.167e−02
Coefficient: −3.02e−01
N: 139
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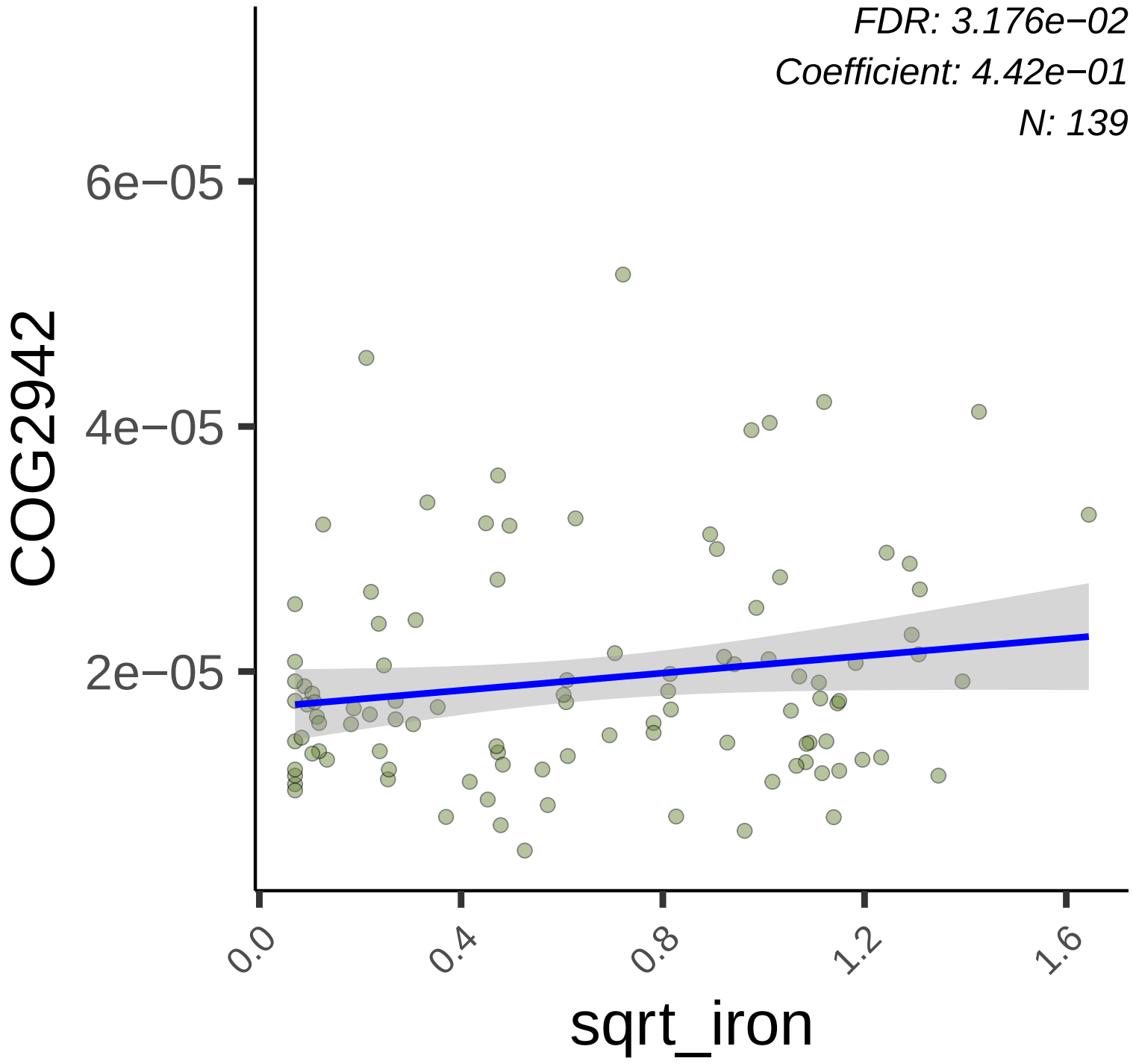
2e−04
1e−04
COG2317
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.176e−02
Coefficient: 4.42e−01
N: 139
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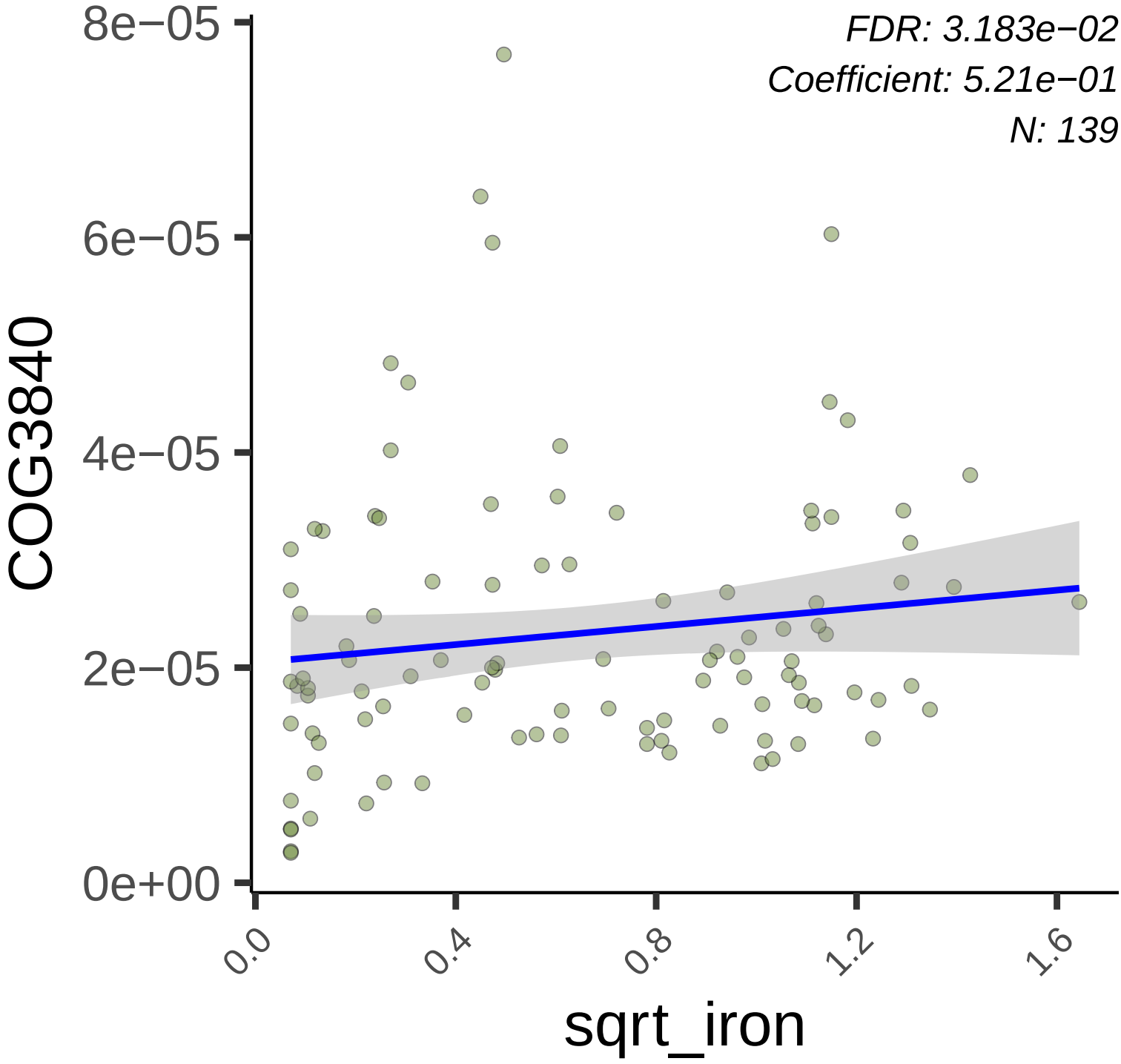
4e−05
2e−05
COG2942
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.183e−02
Coefficient: 5.21e−01
N: 139
COG3840
8e−05
6e−05
4e−05
2e−05
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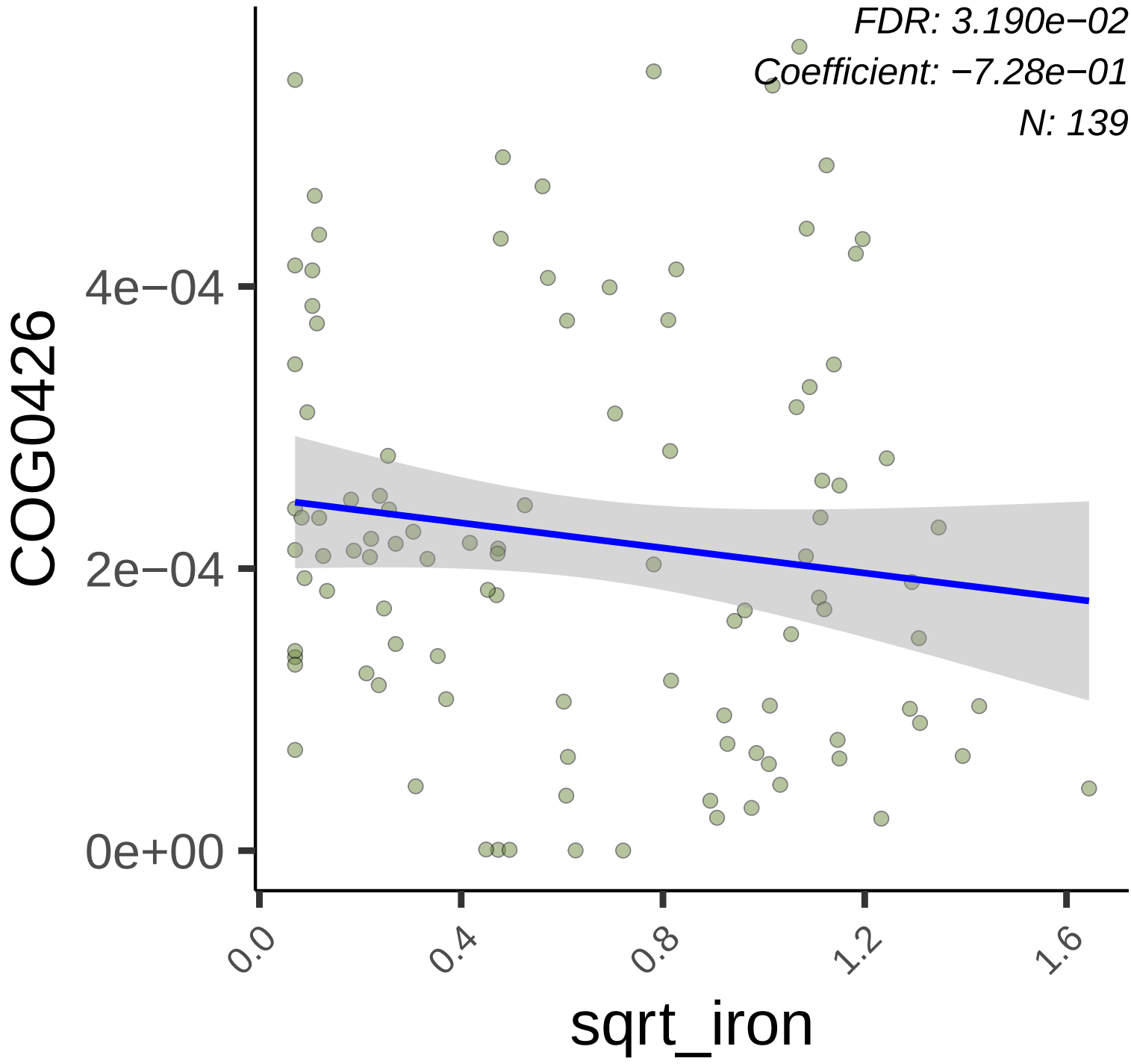
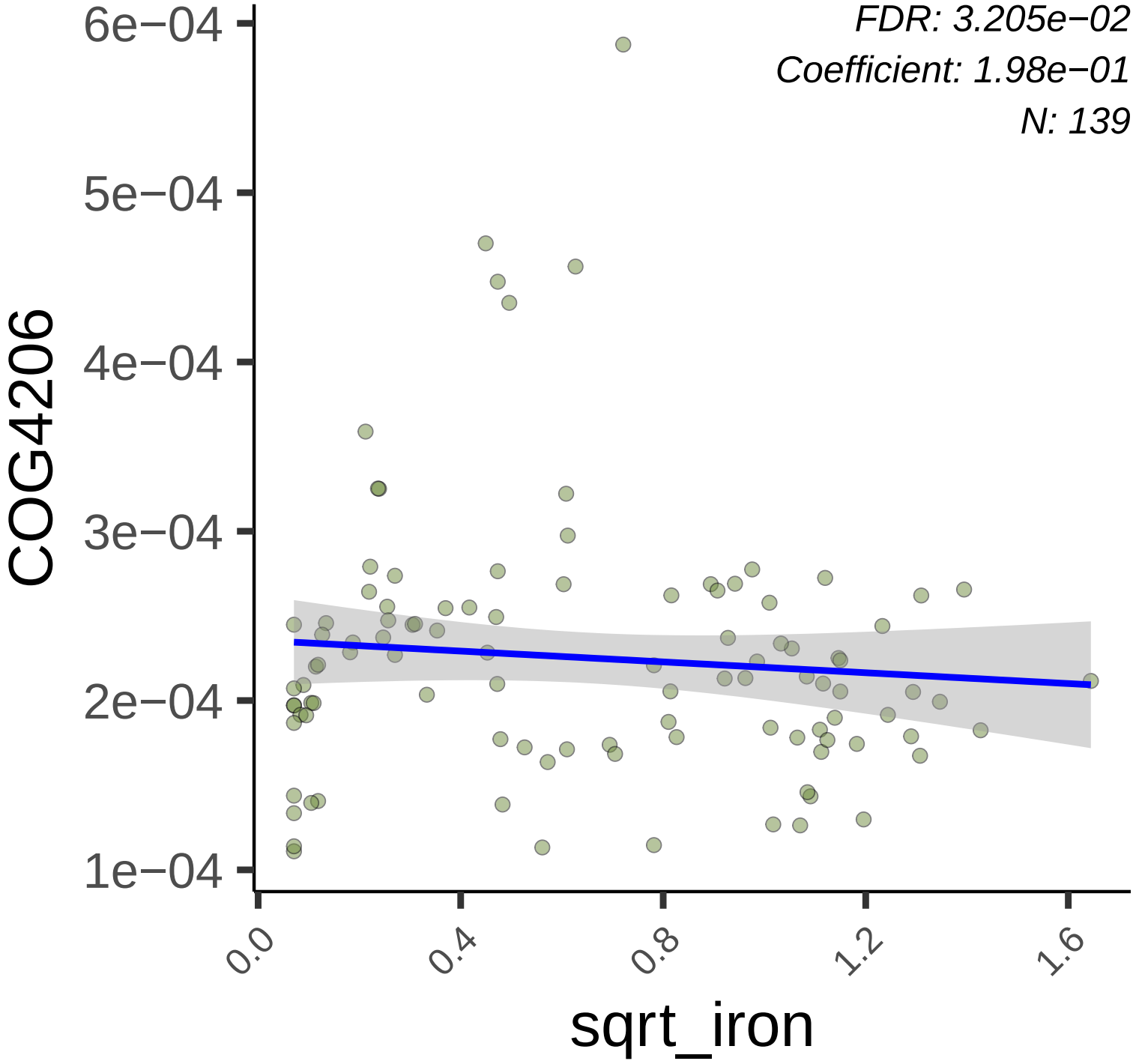
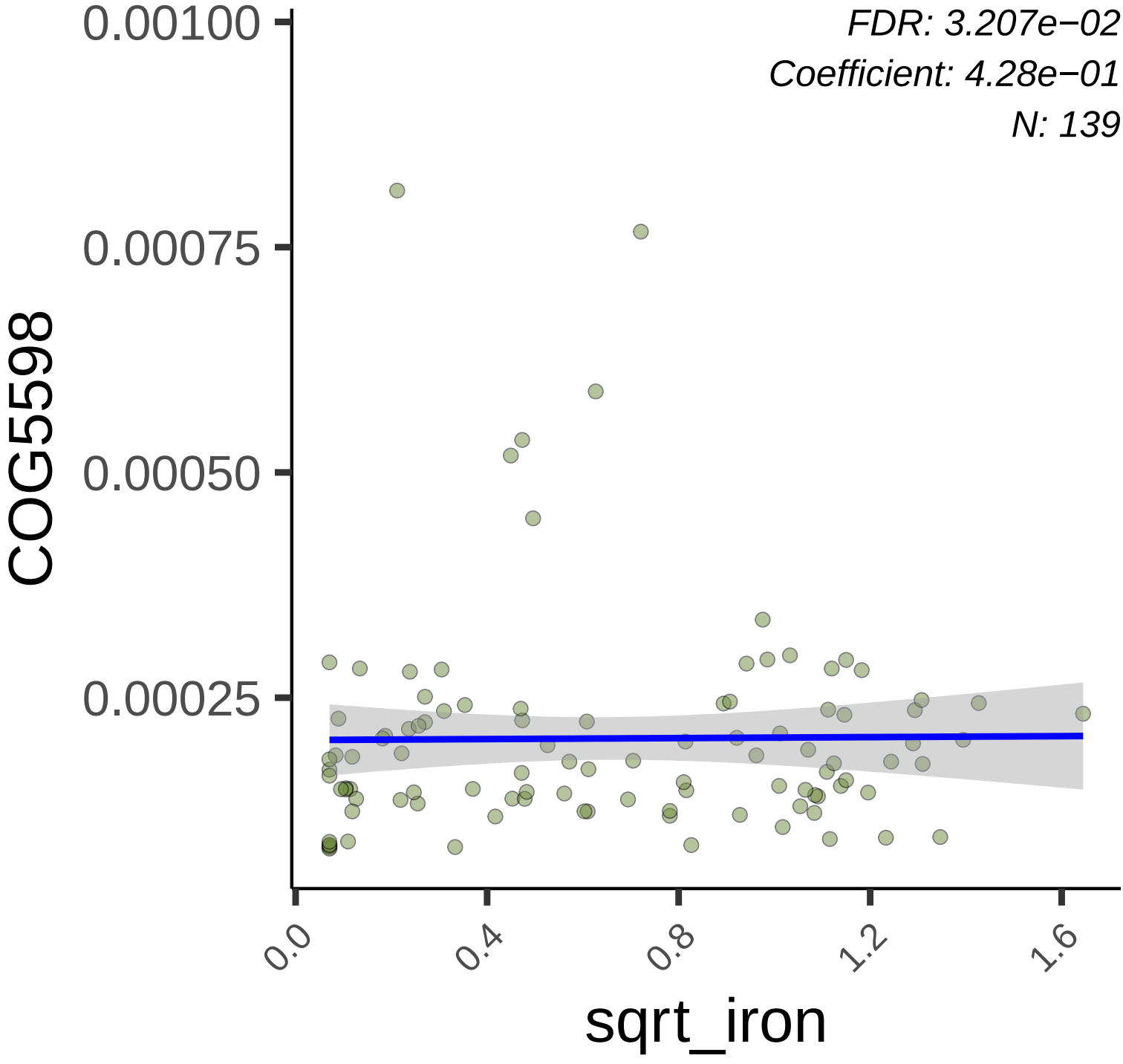
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.190e−02
Coefficient: −7.28e−01
N: 139
COG0426
4e−04
2e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.205e−02
Coefficient: 1.98e−01
N: 139
COG4206
6e−04
5e−04
4e−04
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.207e−02
Coefficient: 4.28e−01
N: 139
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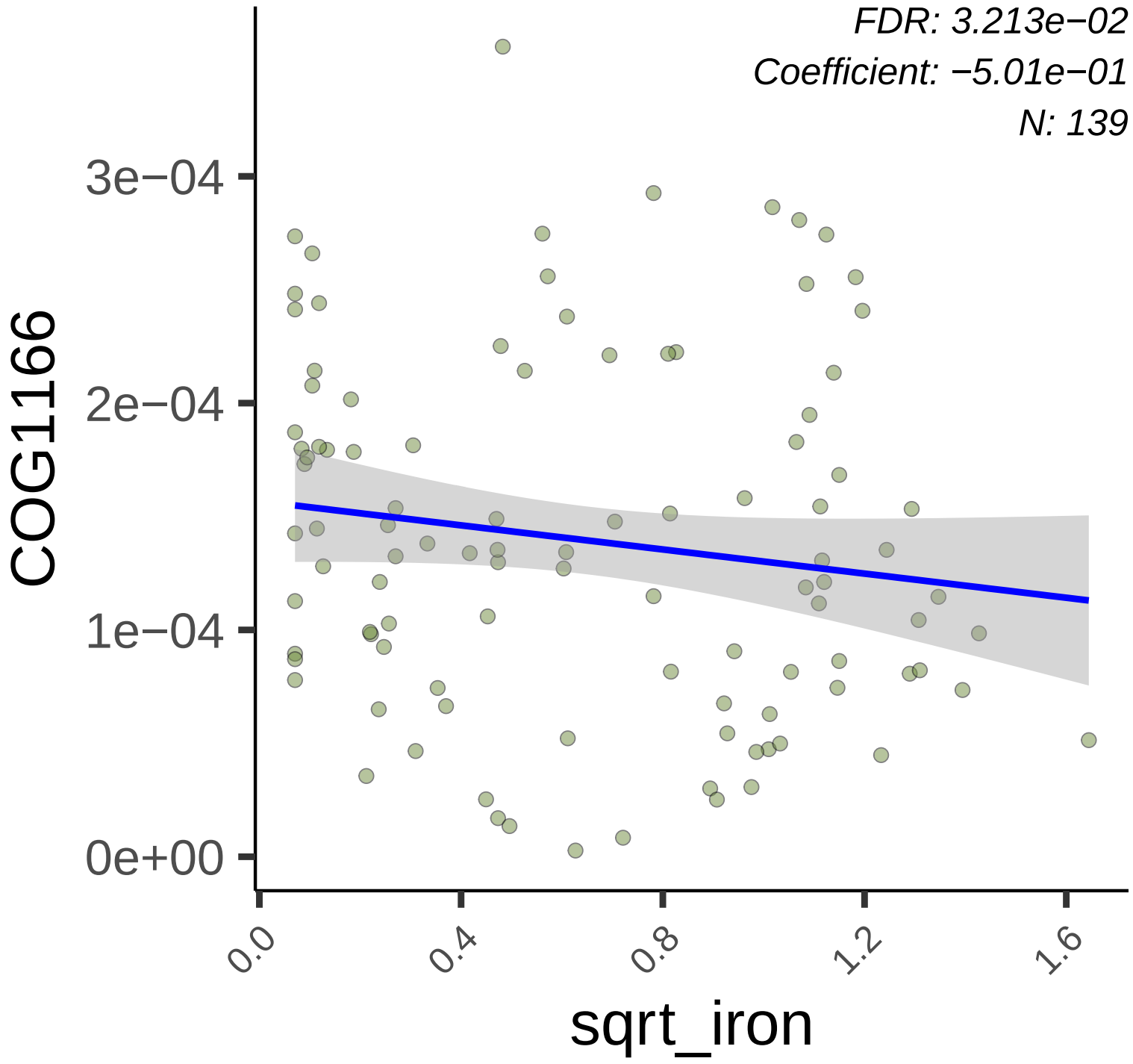
0.00075
0.00050
0.00025
COG5598
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.213e−02
Coefficient: −5.01e−01
N: 139
COG1166
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2e−04
1e−04
0e+00
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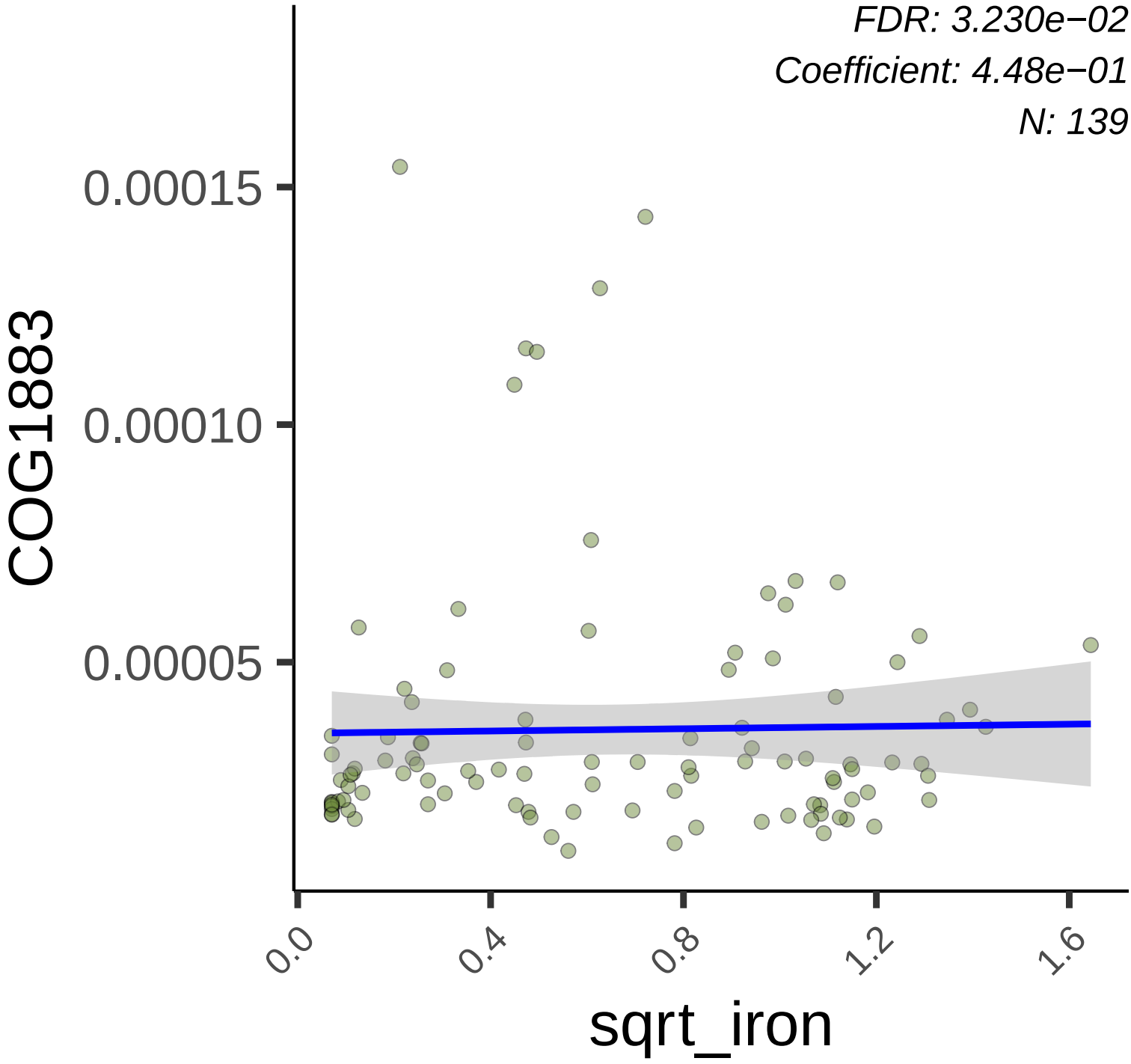
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.230e−02
Coefficient: 4.48e−01
N: 139
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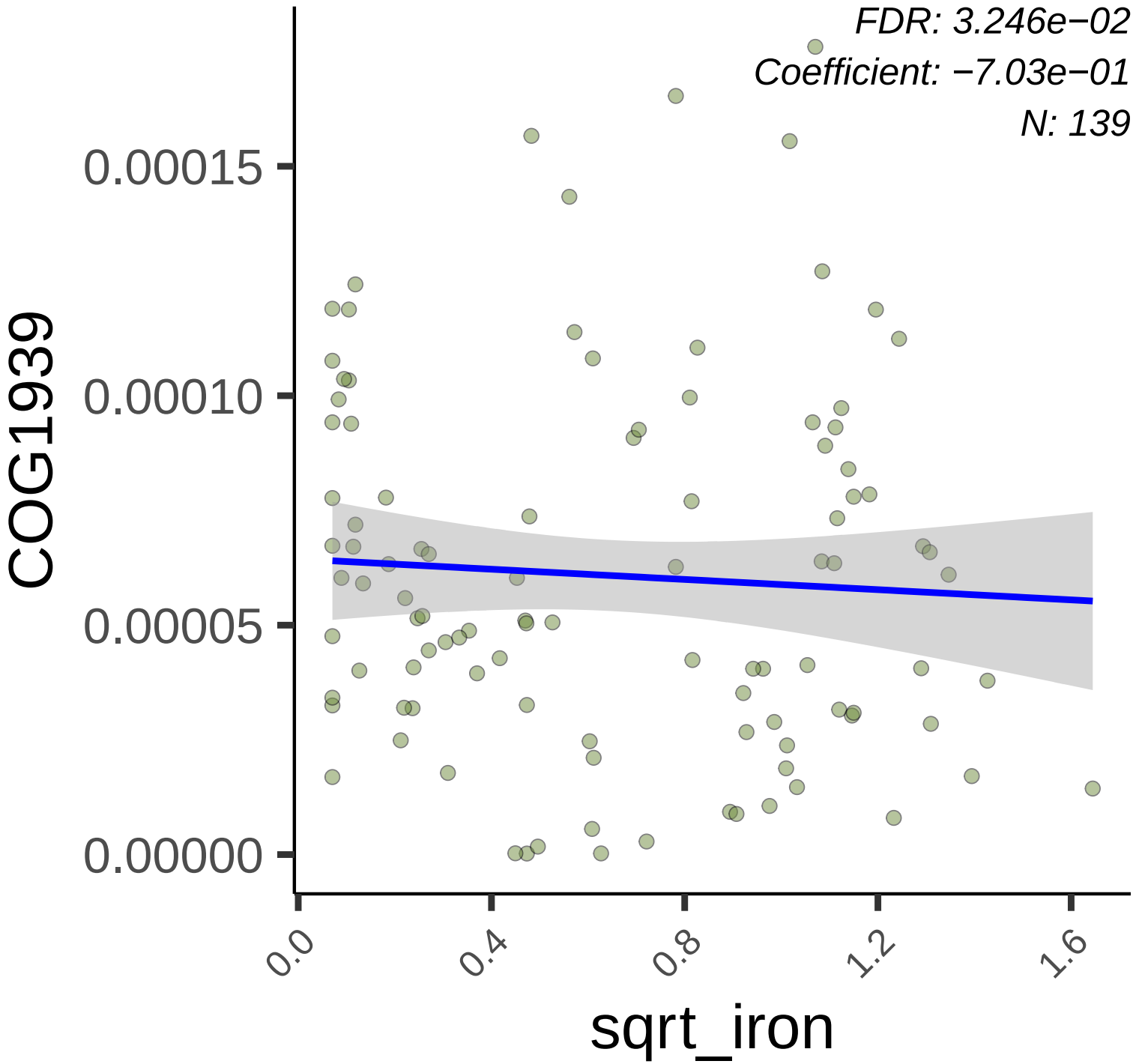
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.246e−02
Coefficient: −7.03e−01
N: 139
COG1939
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0.00010
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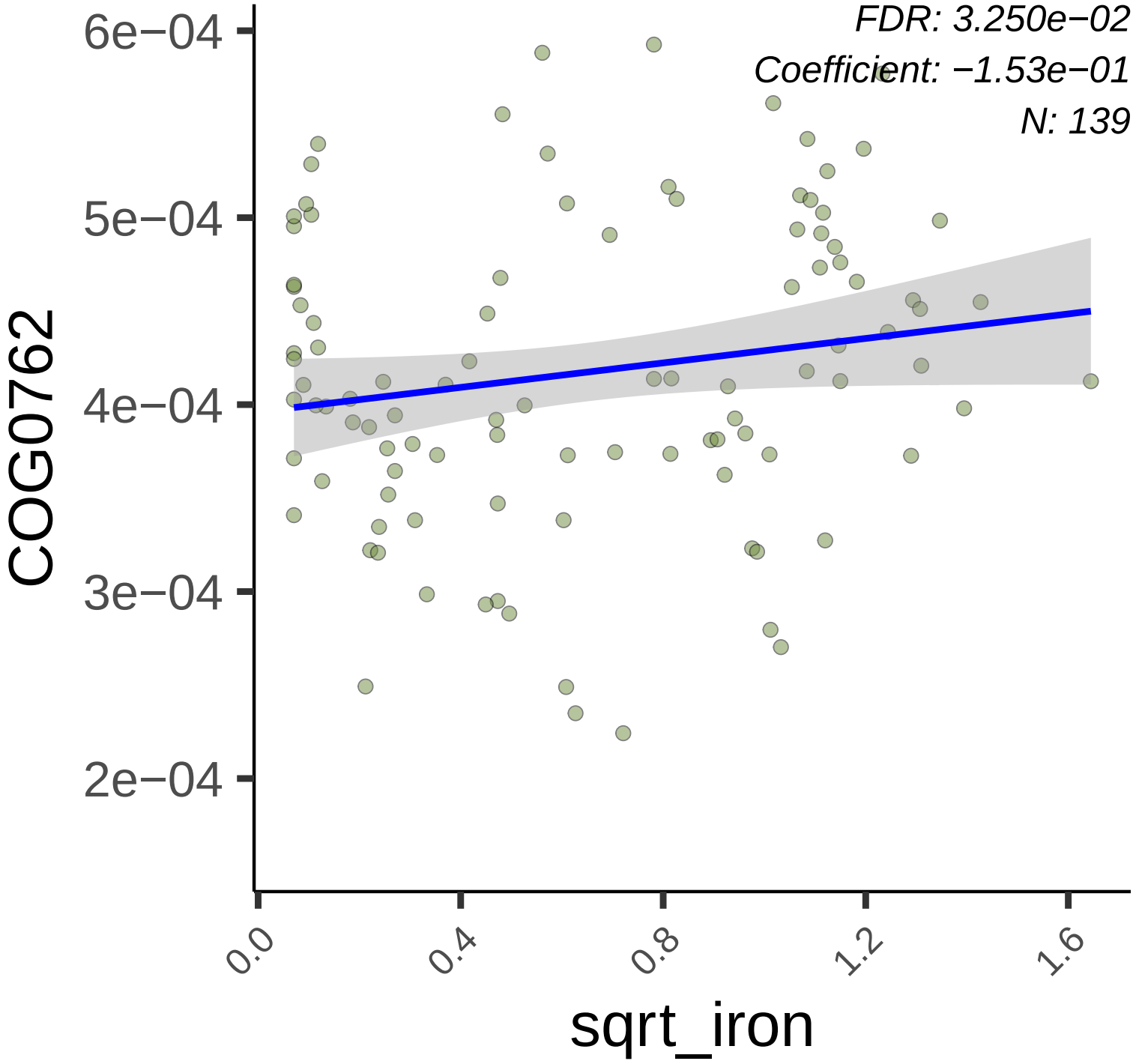
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.250e−02
Coefficient: −1.53e−01
N: 139
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5e−04
4e−04
3e−04
2e−04
COG0762
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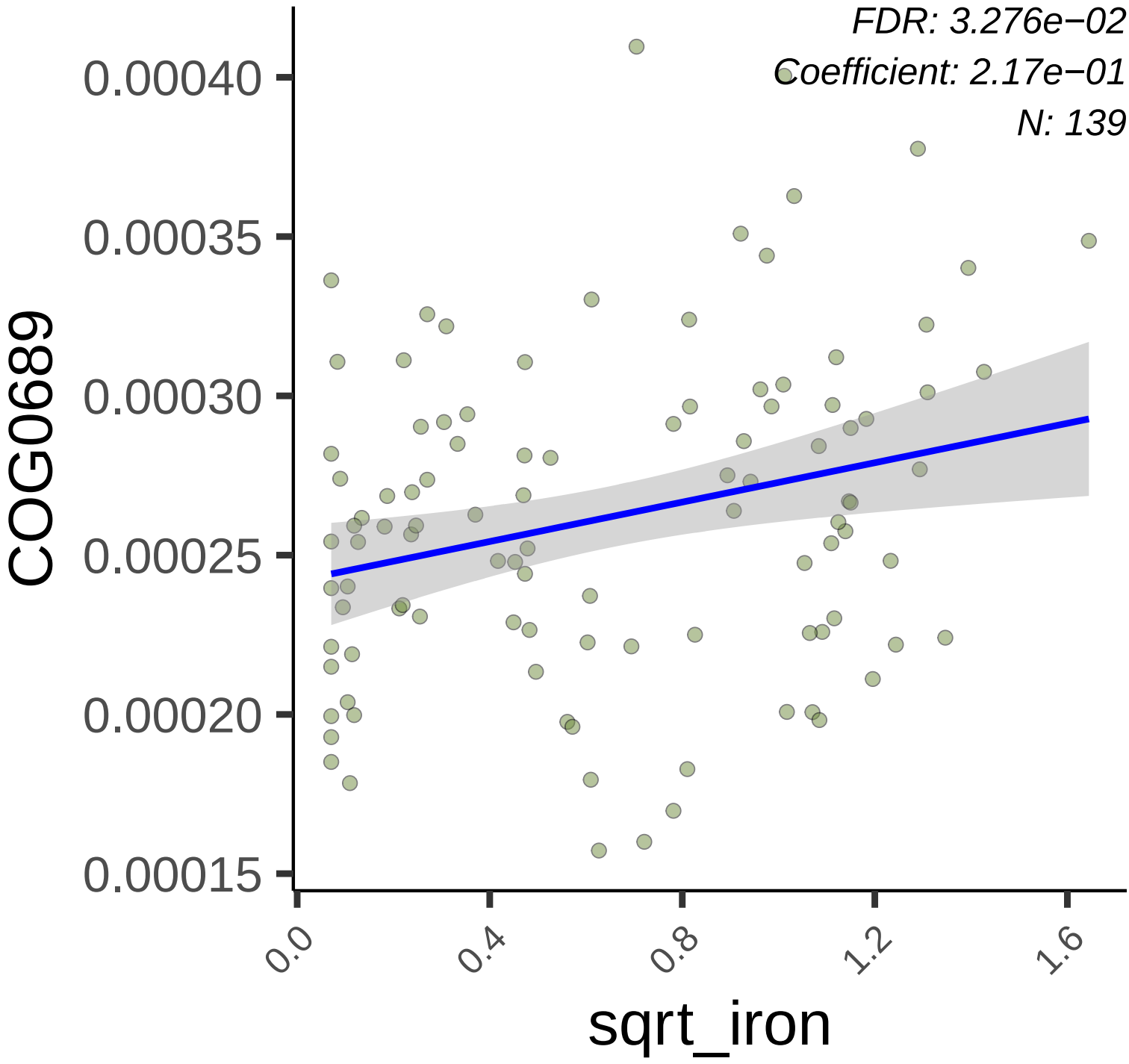
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.276e−02
Coefficient: 2.17e−01
N: 139
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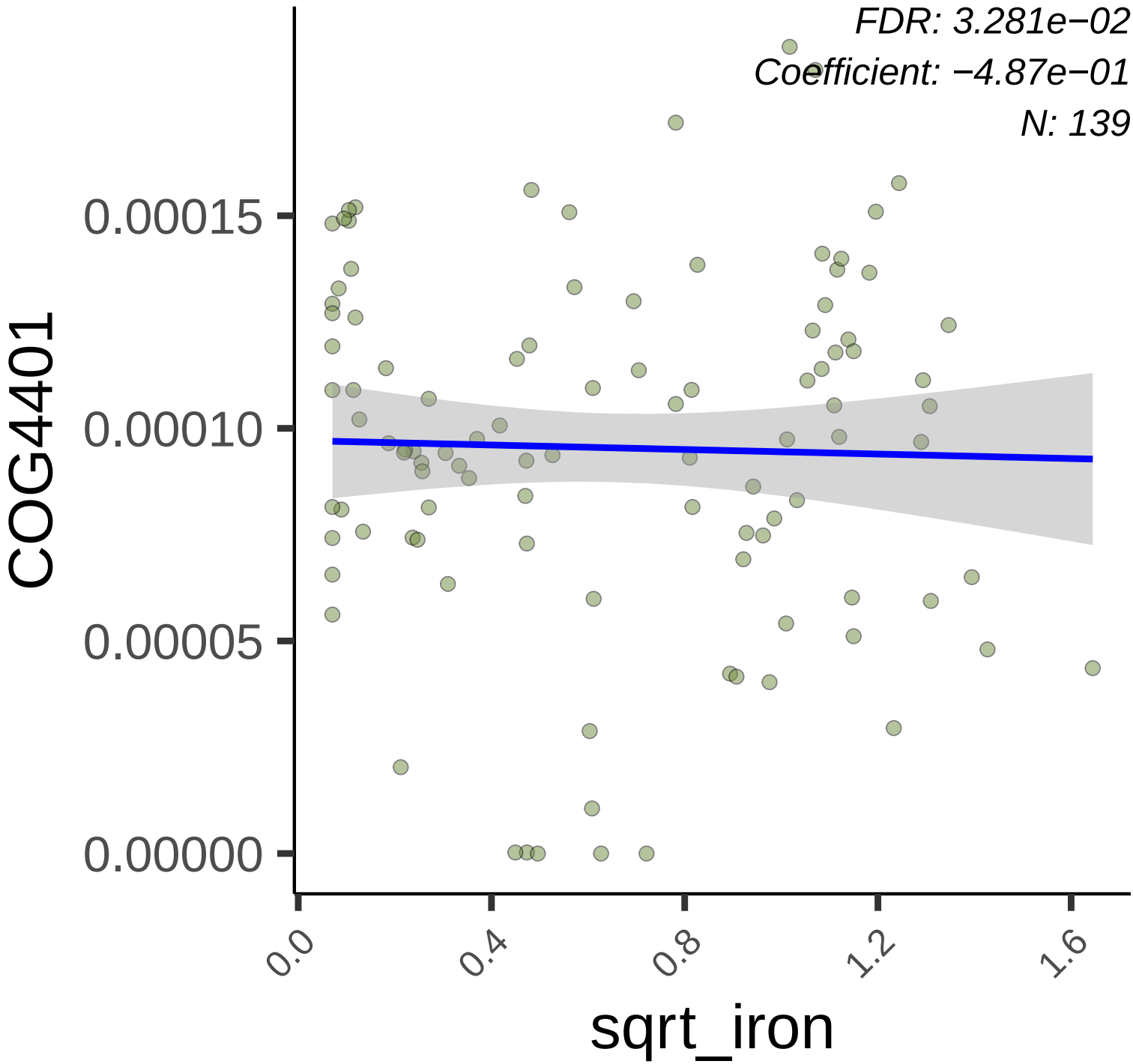
0.00035
0.00030
0.00025
0.00020
0.00015
COG0689
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.281e−02
Coefficient: −4.87e−01
N: 139
COG4401
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0.00010
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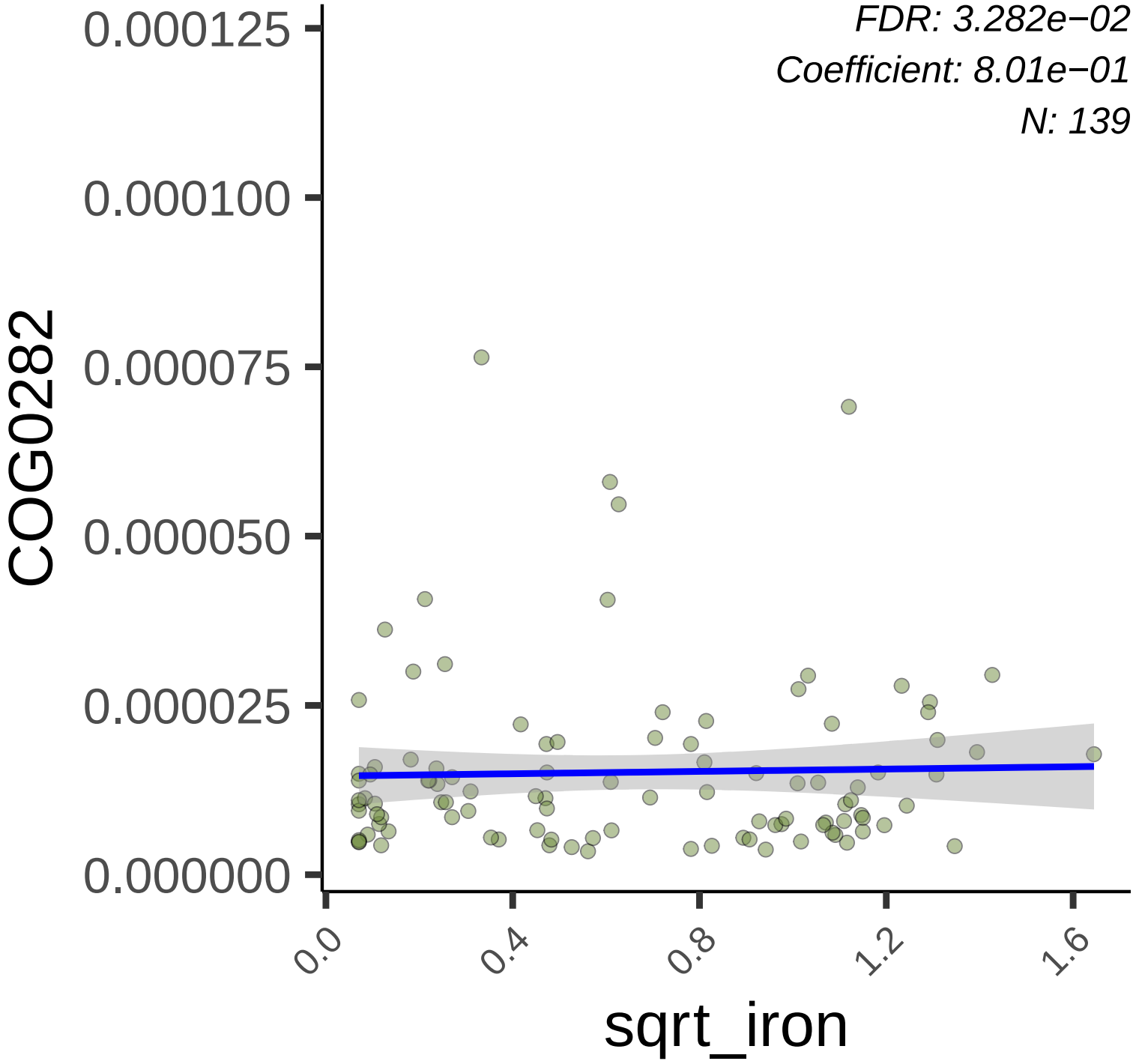
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.282e−02
Coefficient: 8.01e−01
N: 139
COG0282
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0.000050
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0.4
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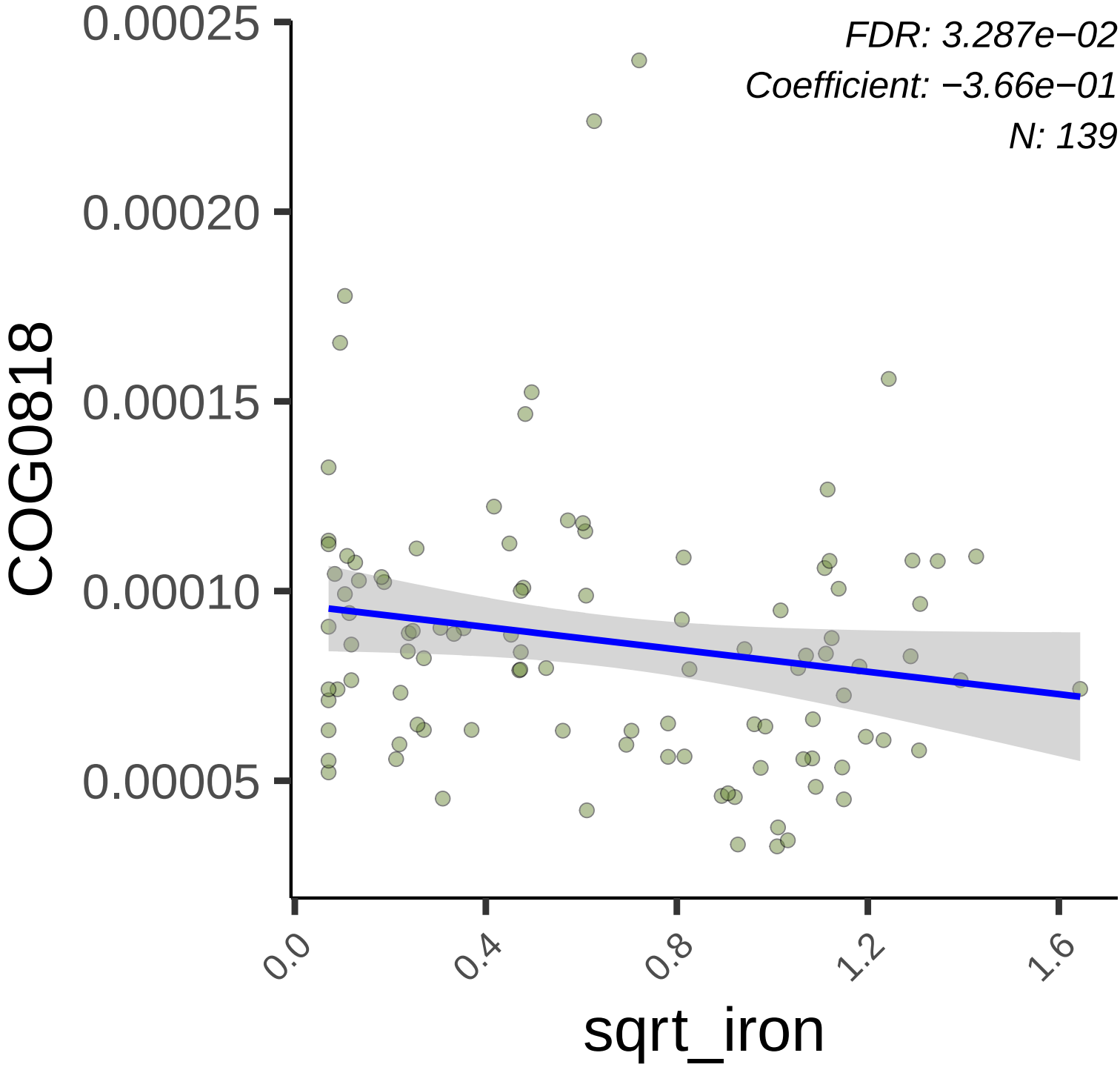
1.2
1.6
sqrt_iron


FDR: 3.287e−02
Coefficient: −3.66e−01
N: 139
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0.00010
0.00005
COG0818
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0.4
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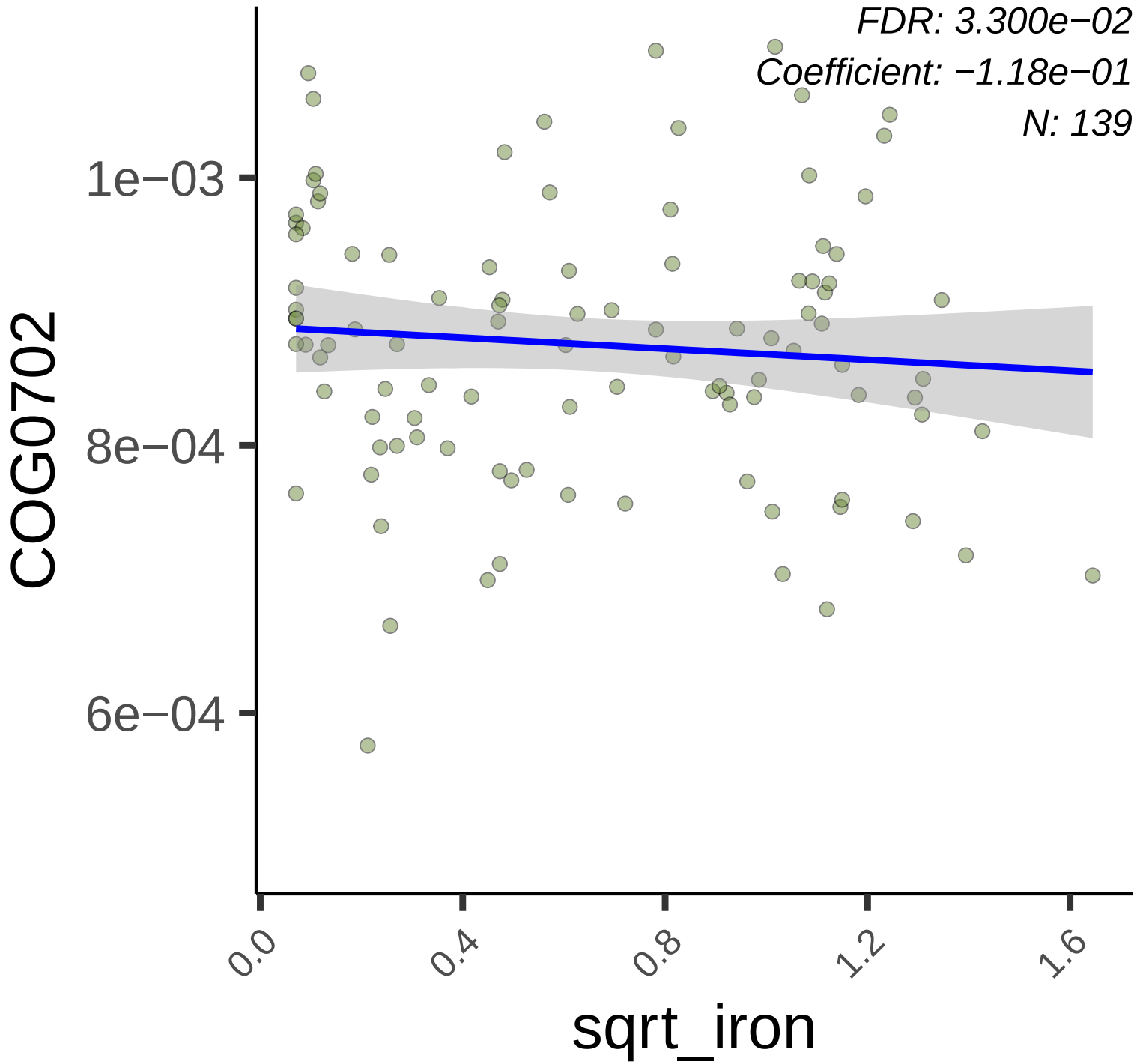
1.2
1.6
sqrt_iron


FDR: 3.300e−02
Coefficient: −1.18e−01
N: 139
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8e−04
6e−04
COG0702
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0.4
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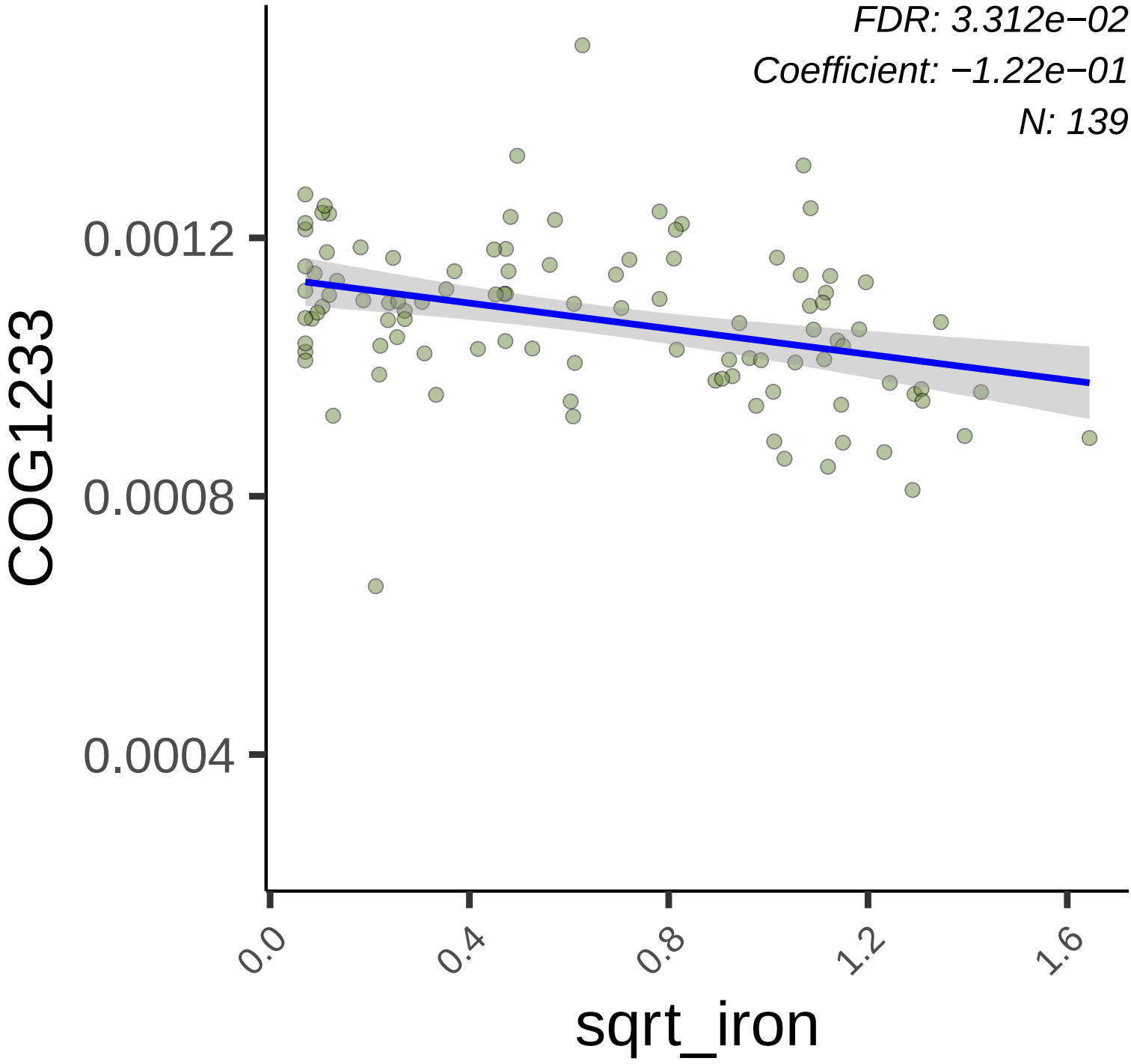
1.2
1.6
sqrt_iron


FDR: 3.312e−02
Coefficient: −1.22e−01
N: 139
COG1233
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0.4
0.8
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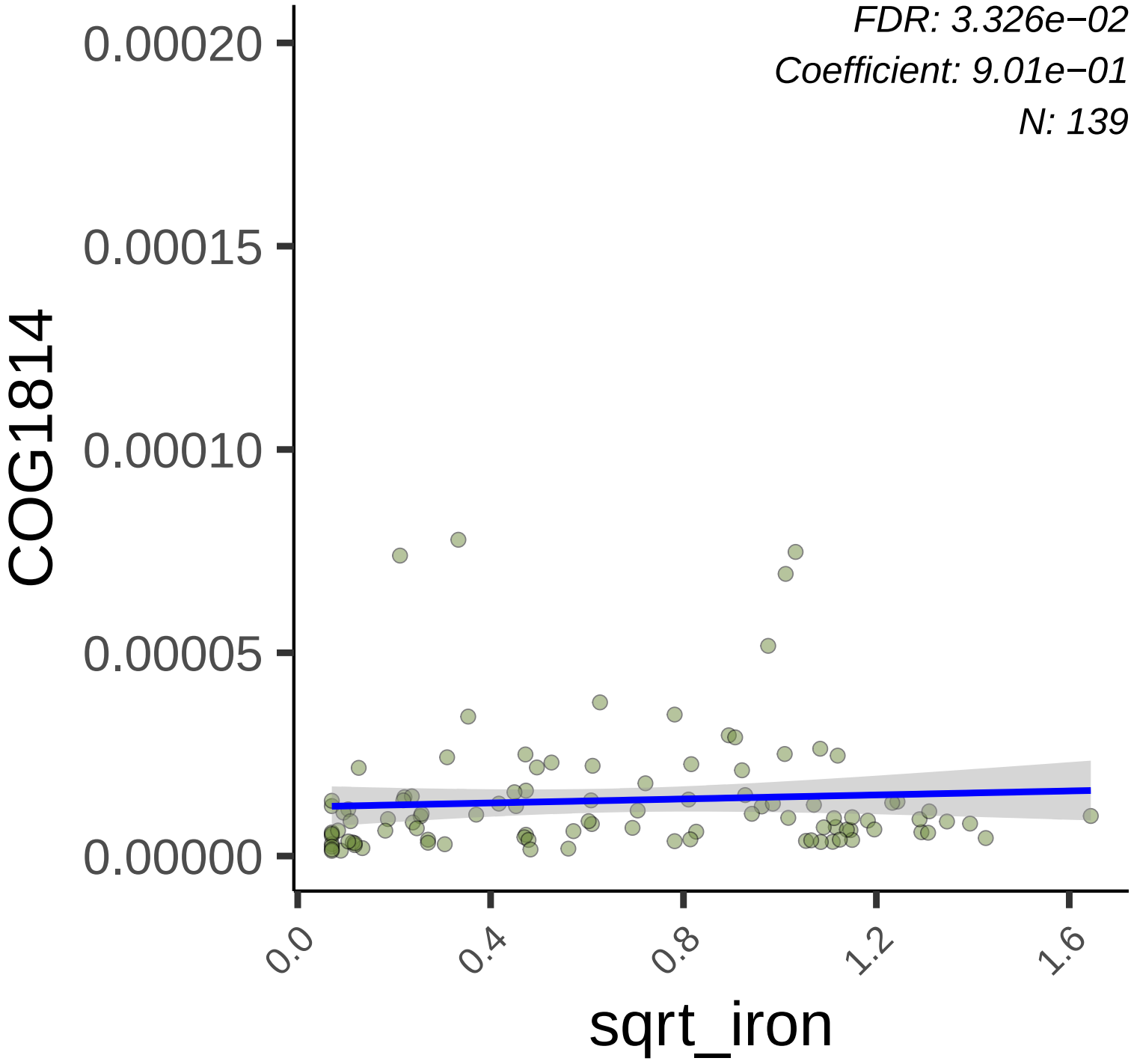
1.6
sqrt_iron


FDR: 3.326e−02
Coefficient: 9.01e−01
N: 139
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0.00005
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COG1814
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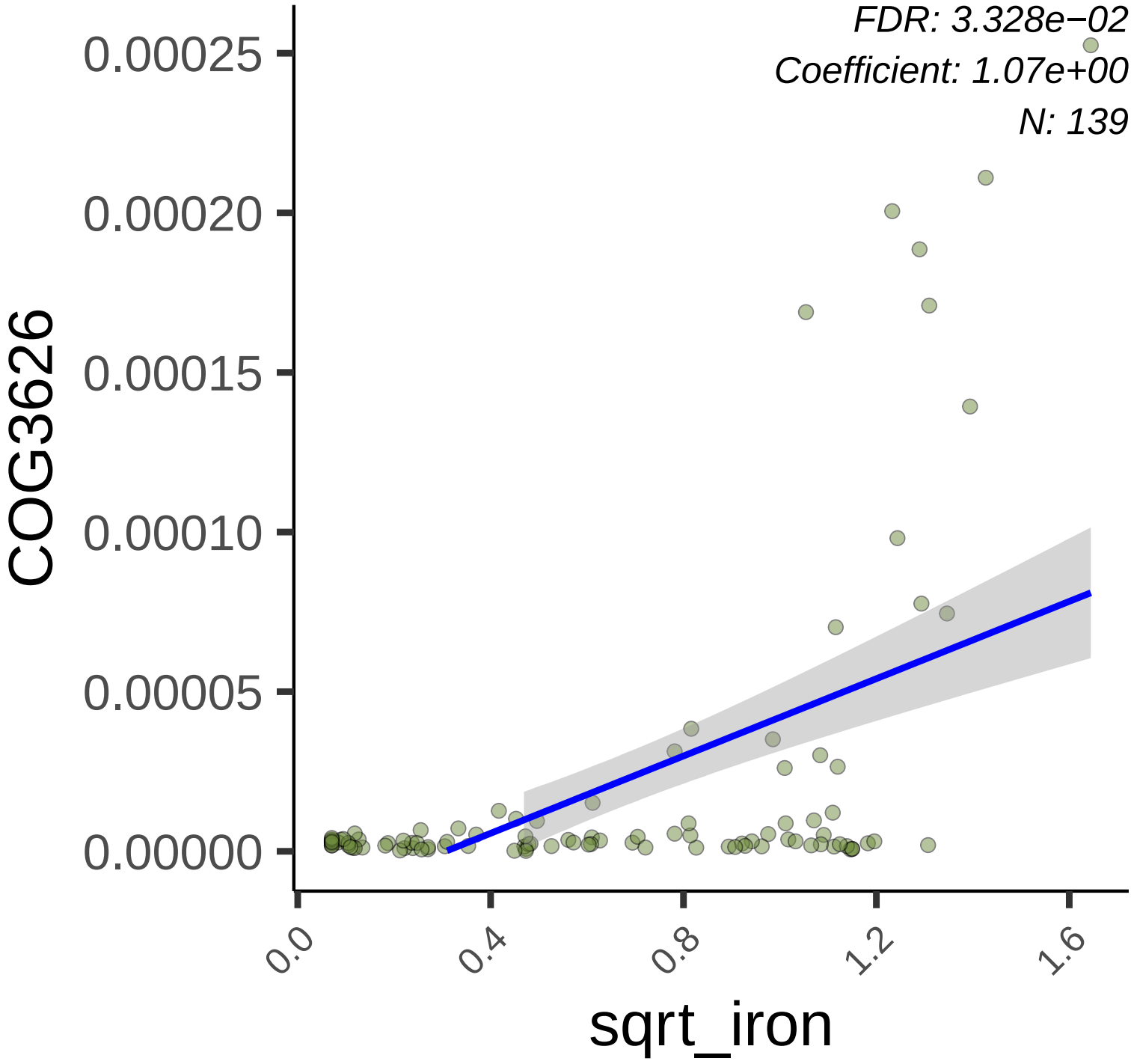
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.328e−02
Coefficient: 1.07e+00
N: 139
COG3626
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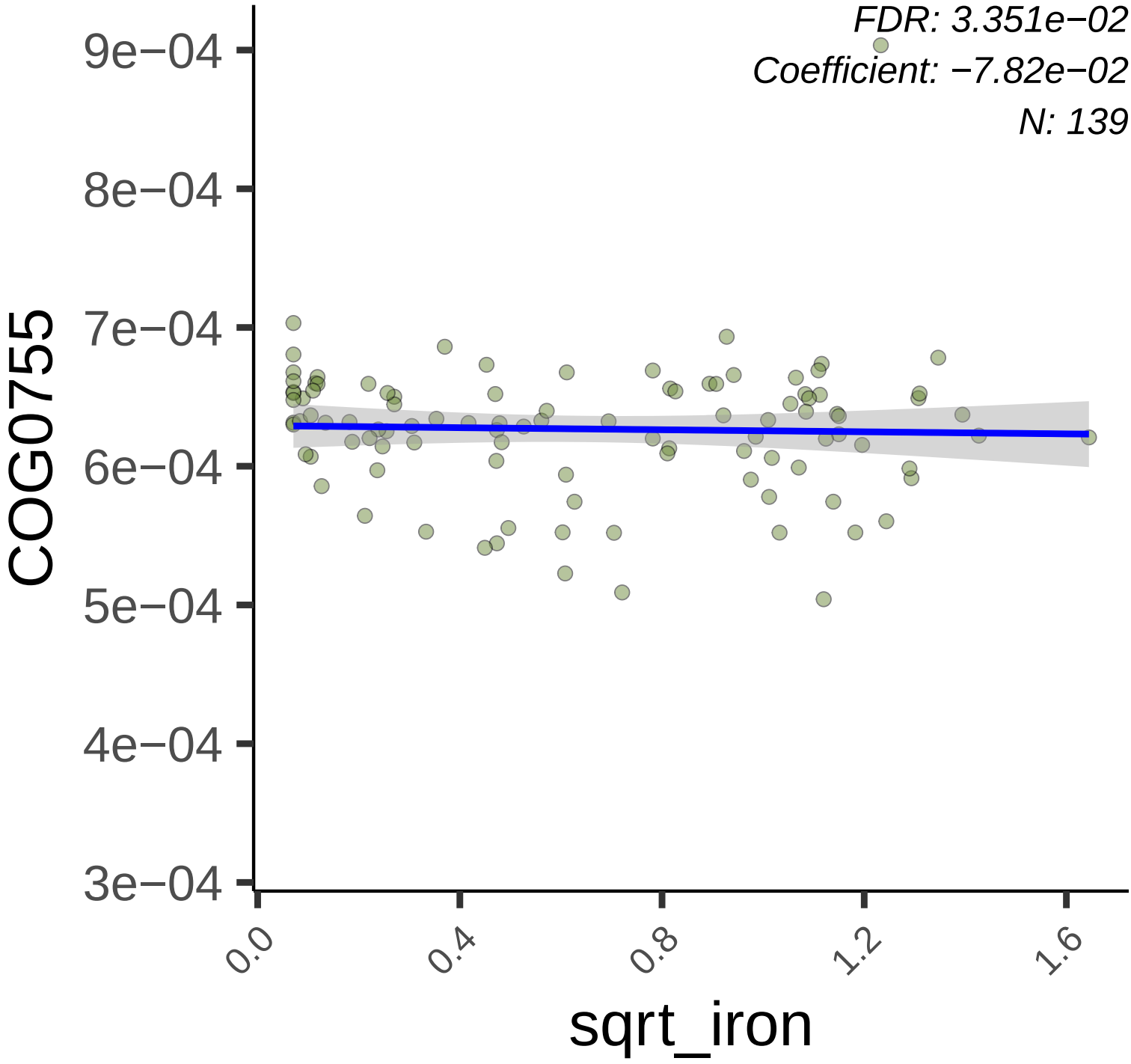
1.2
1.6
sqrt_iron


FDR: 3.351e−02
Coefficient: −7.82e−02
N: 139
COG0755
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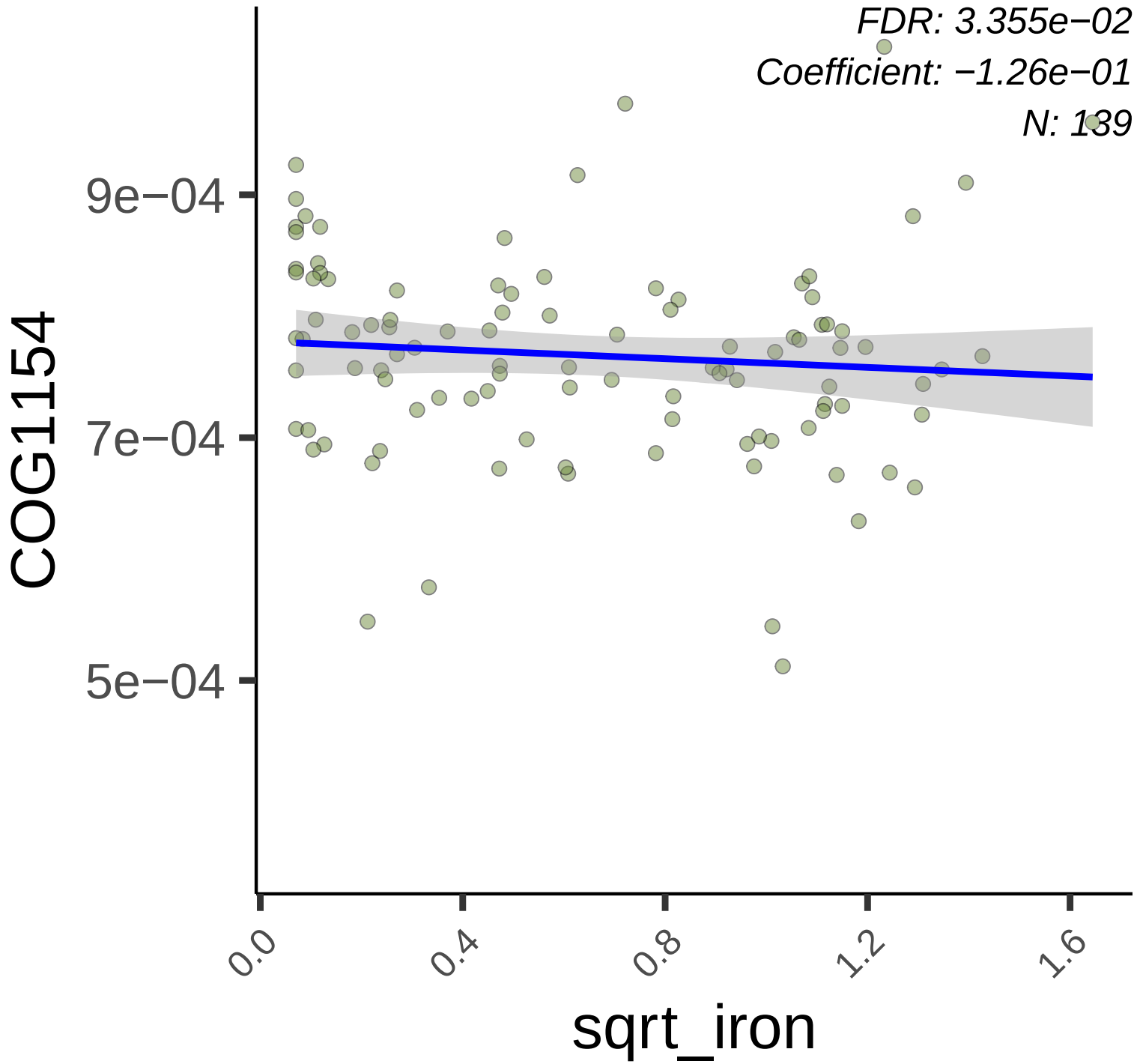
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.355e−02
Coefficient: −1.26e−01
N: 139
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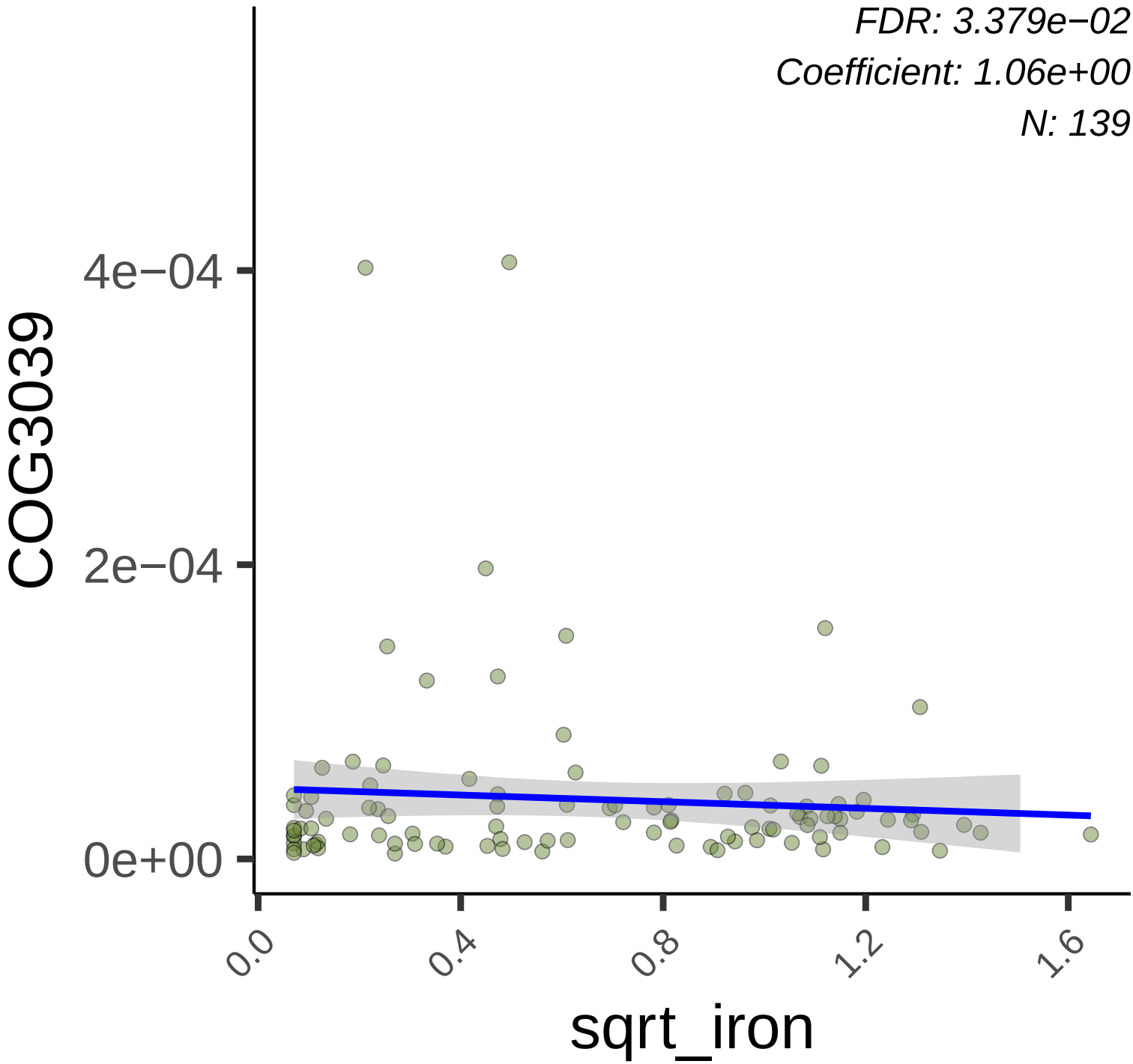
1.6
sqrt_iron


FDR: 3.379e−02
Coefficient: 1.06e+00
N: 139
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2e−04
0e+00
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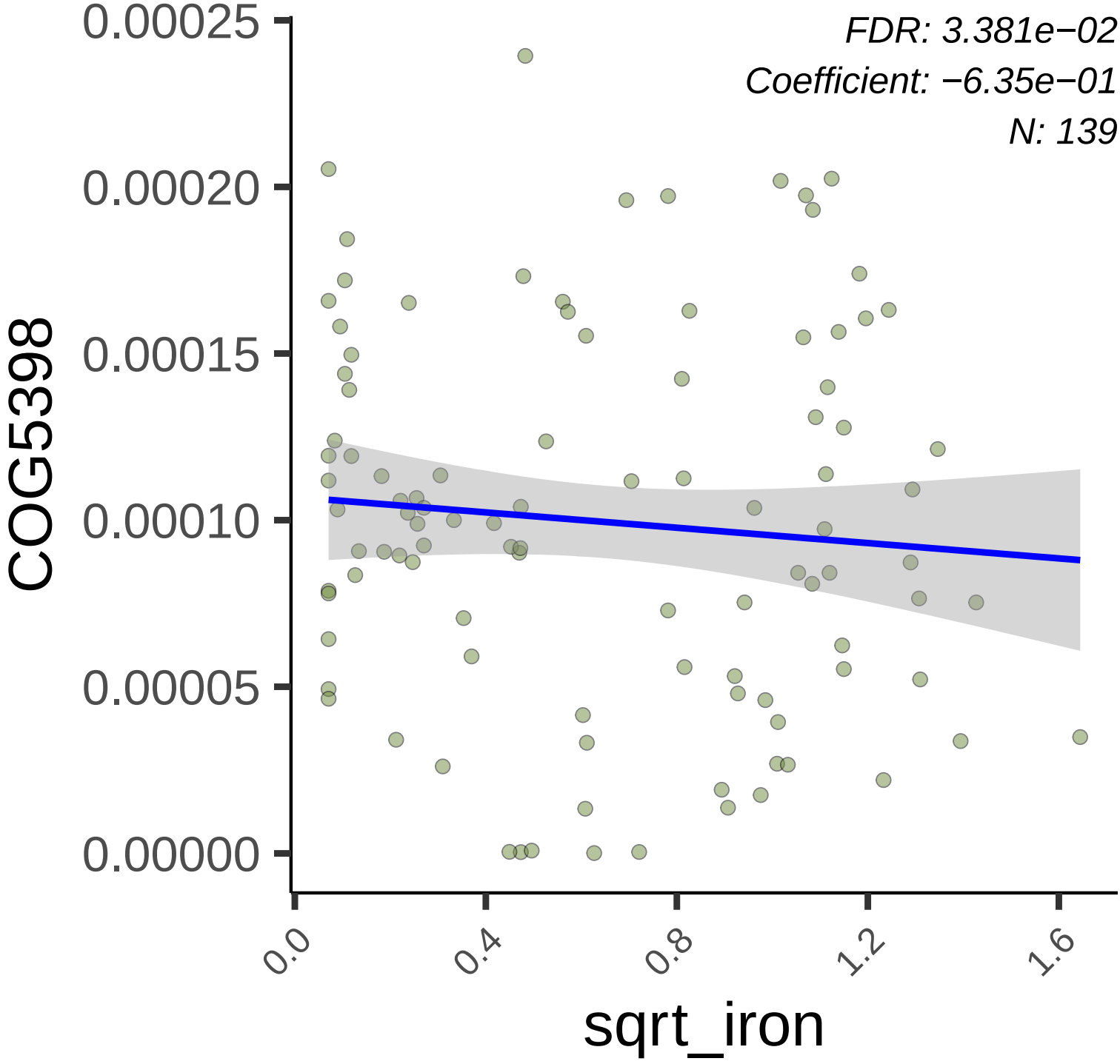
1.2
1.6
sqrt_iron


FDR: 3.381e−02
Coefficient: −6.35e−01
N: 139
COG5398
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0.4
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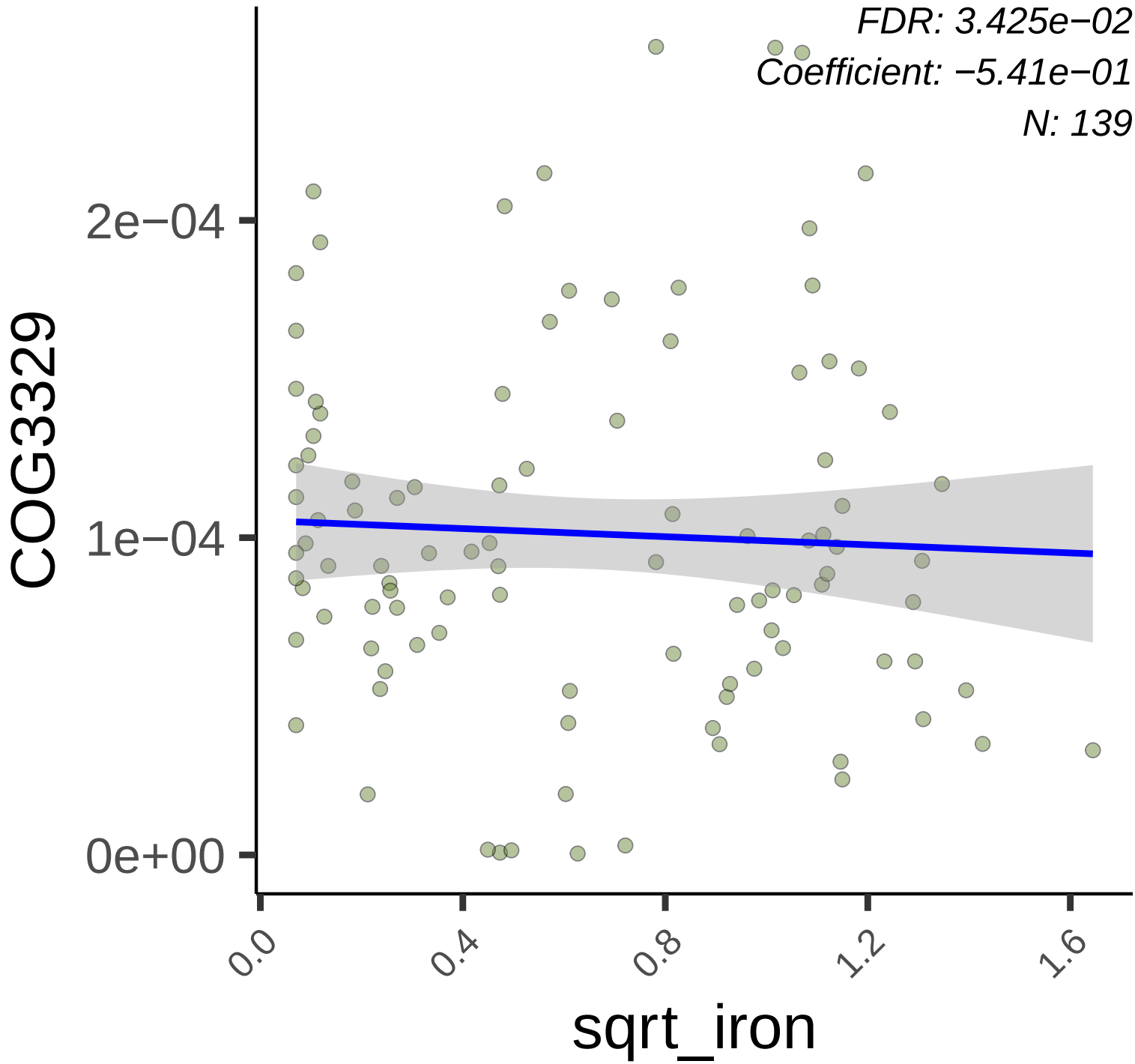
1.2
1.6
sqrt_iron


FDR: 3.425e−02
Coefficient: −5.41e−01
N: 139
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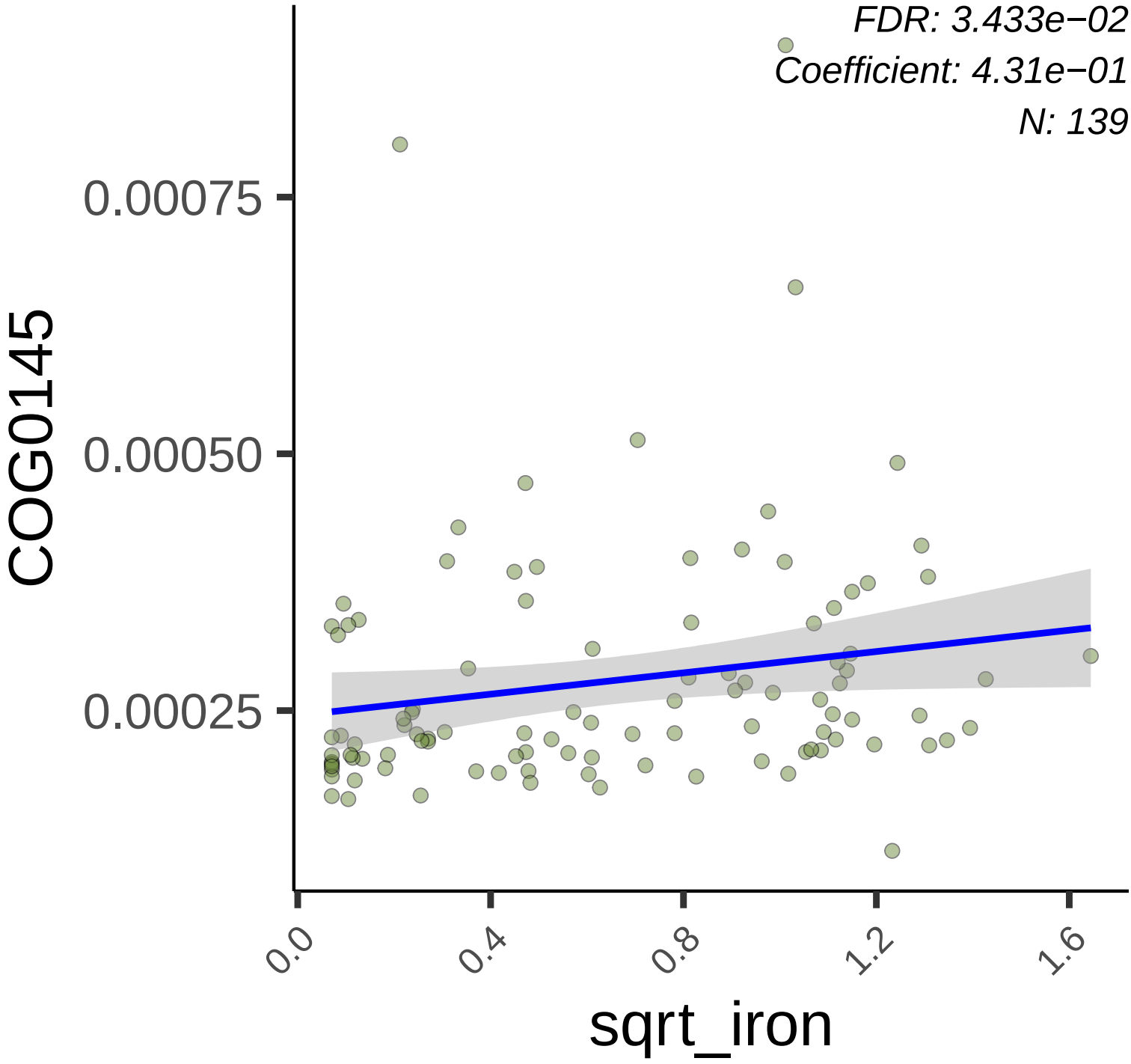
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.433e−02
Coefficient: 4.31e−01
N: 139
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COG0145
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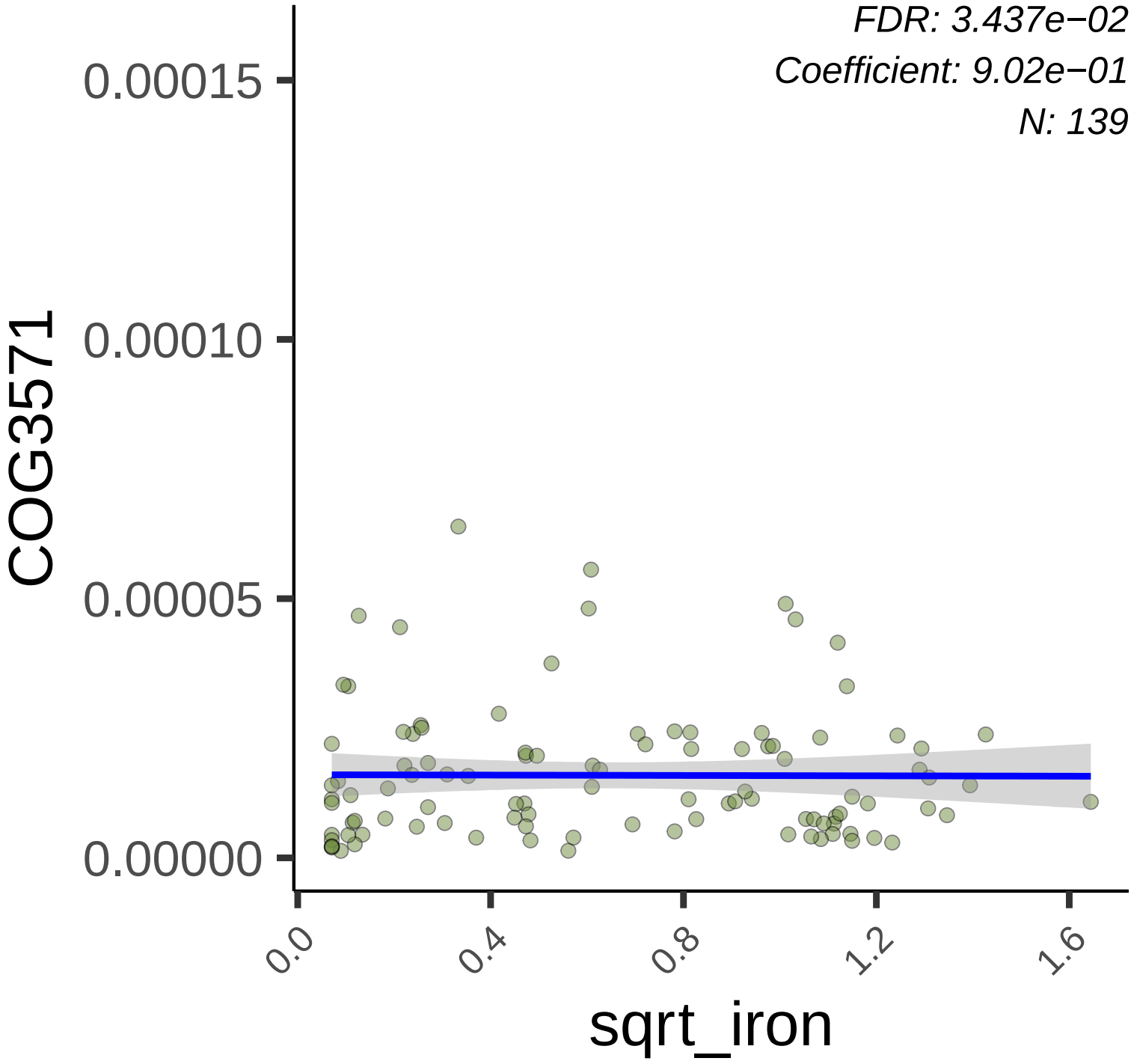
0.8
1.2
1.6
sqrt_iron


FDR: 3.437e−02
Coefficient: 9.02e−01
N: 139
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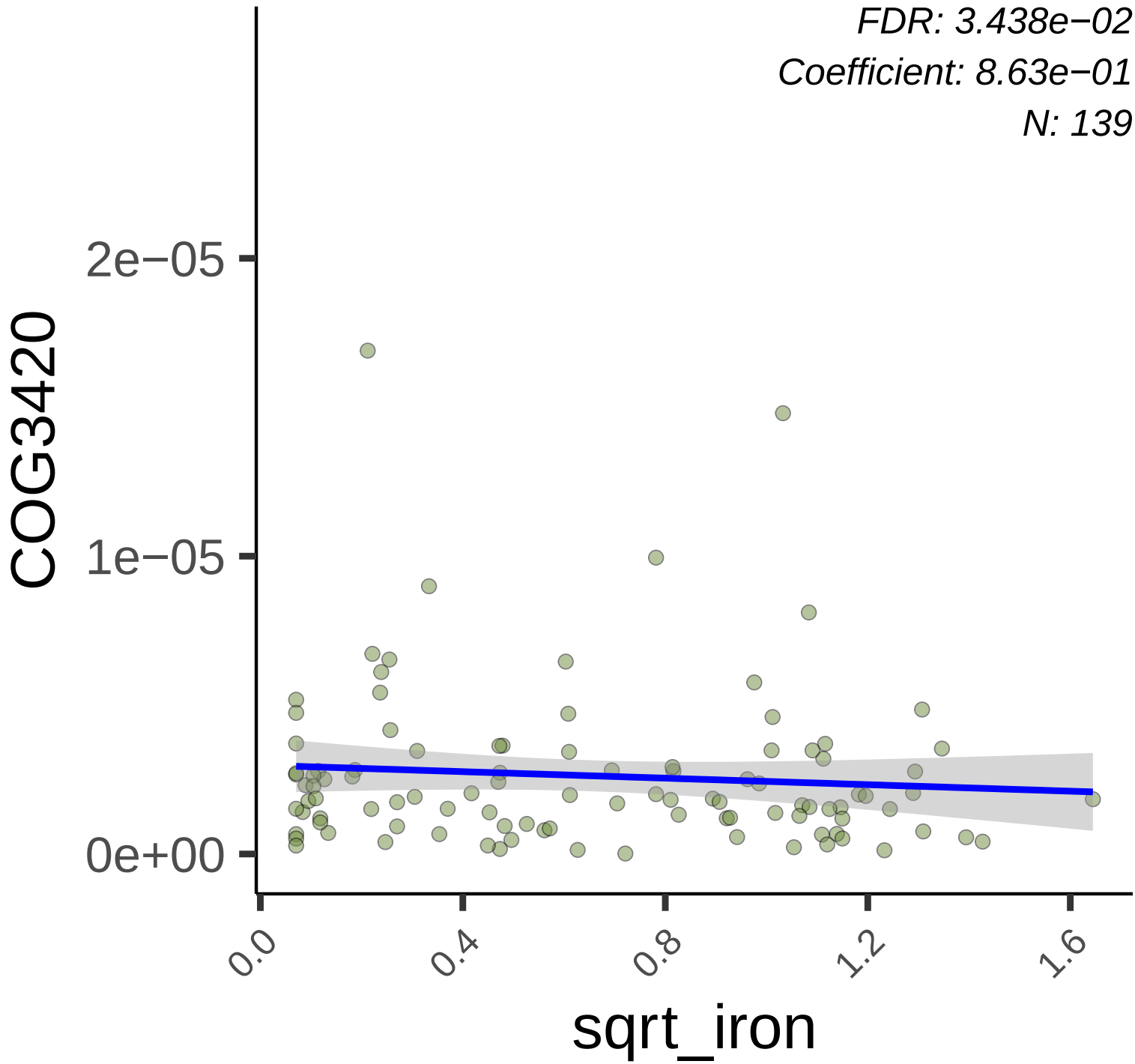
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.438e−02
Coefficient: 8.63e−01
N: 139
COG3420
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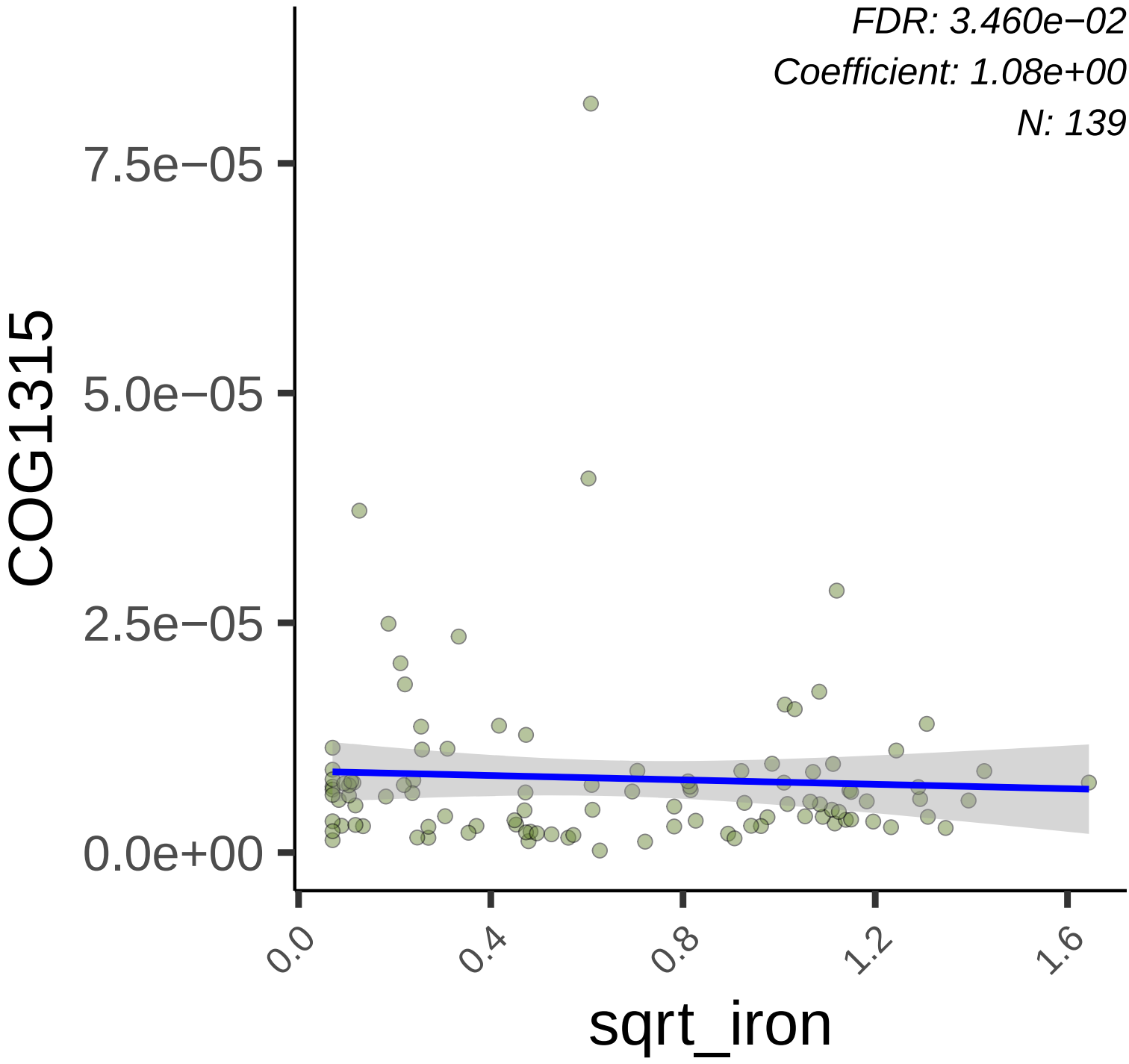
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.460e−02
Coefficient: 1.08e+00
N: 139
COG1315
7.5e−05
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2.5e−05
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0.4
0.8
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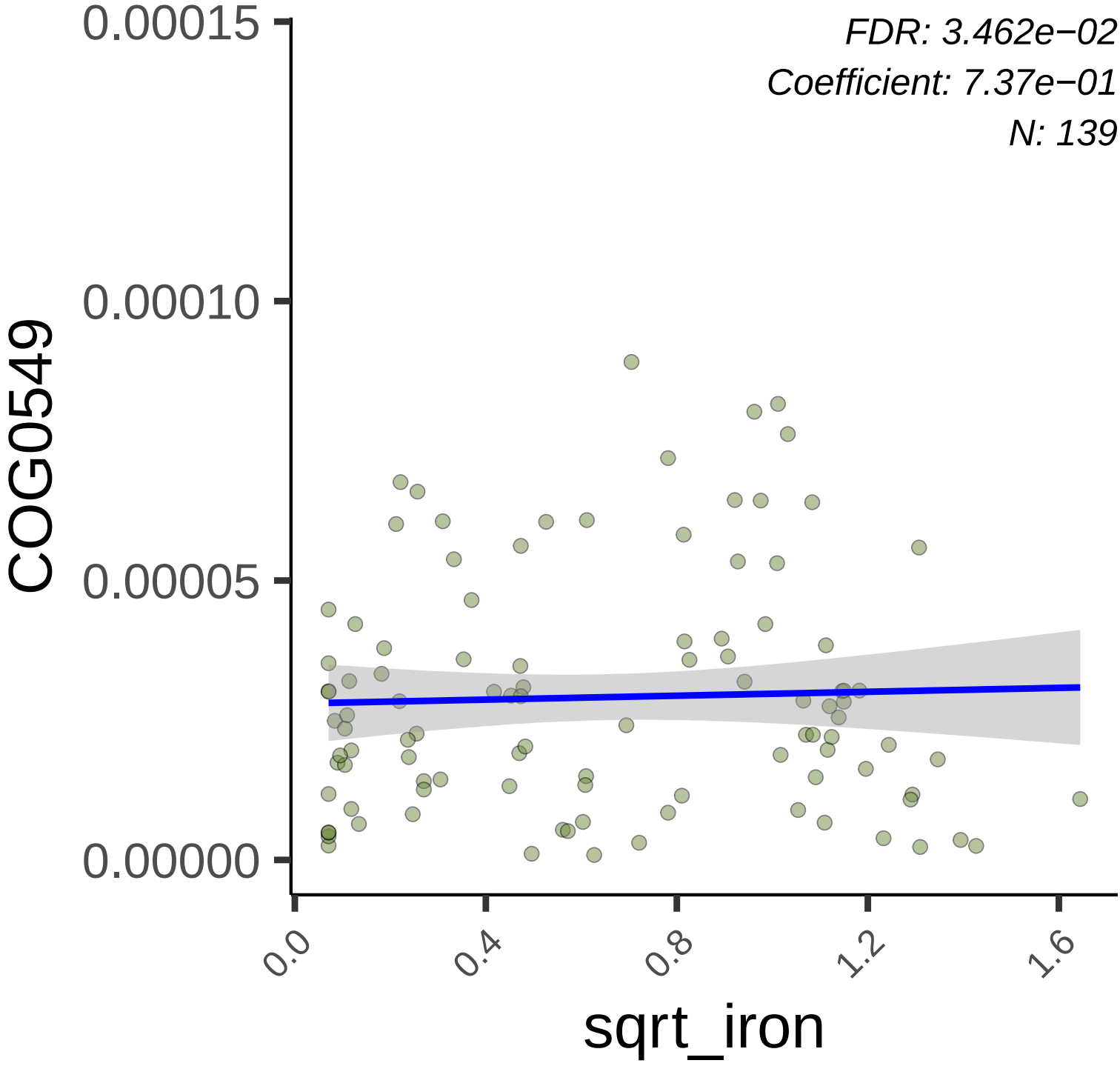
1.6
sqrt_iron


FDR: 3.462e−02
Coefficient: 7.37e−01
N: 139
COG0549
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0.4
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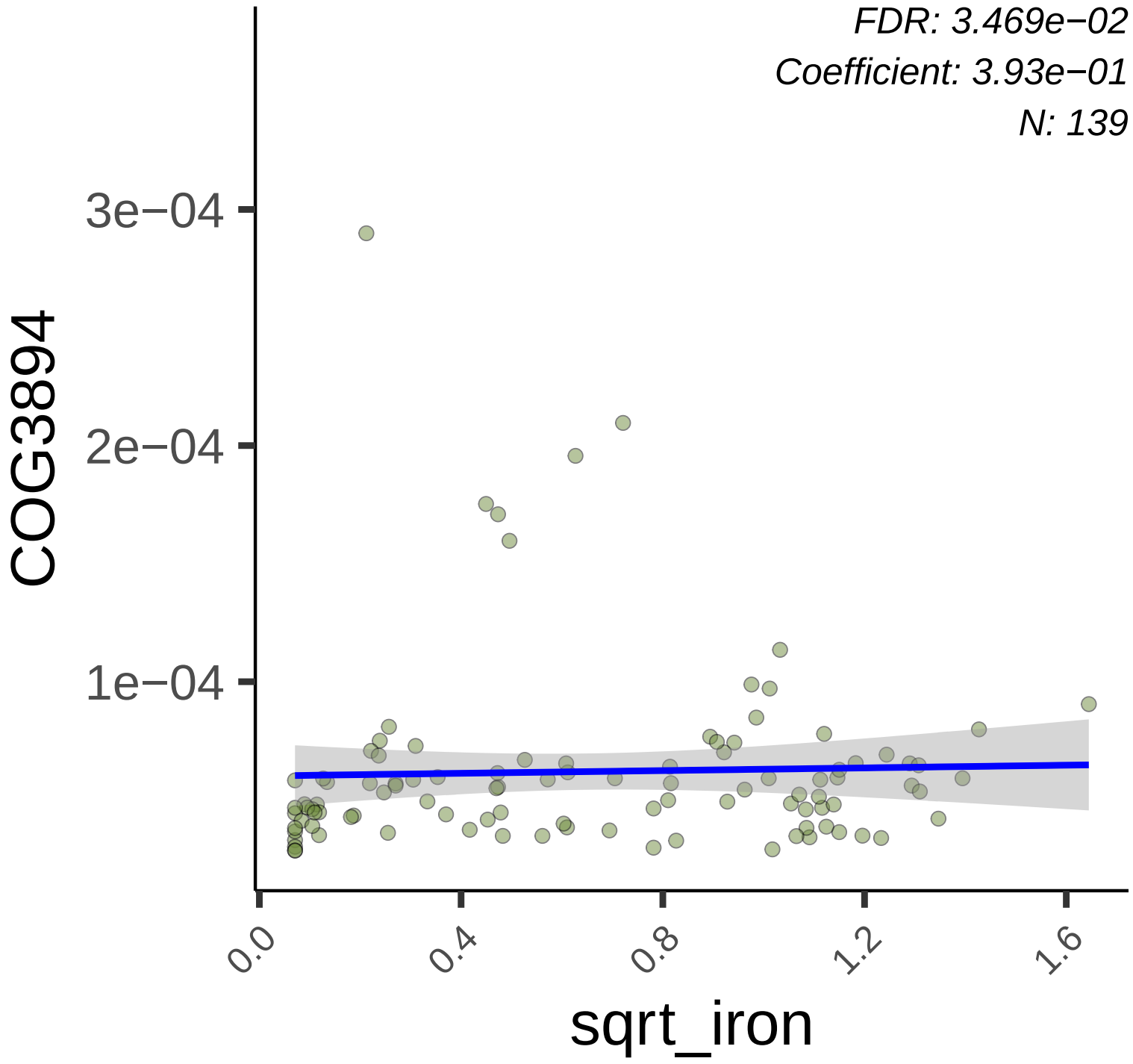
1.6
sqrt_iron


FDR: 3.469e−02
Coefficient: 3.93e−01
N: 139
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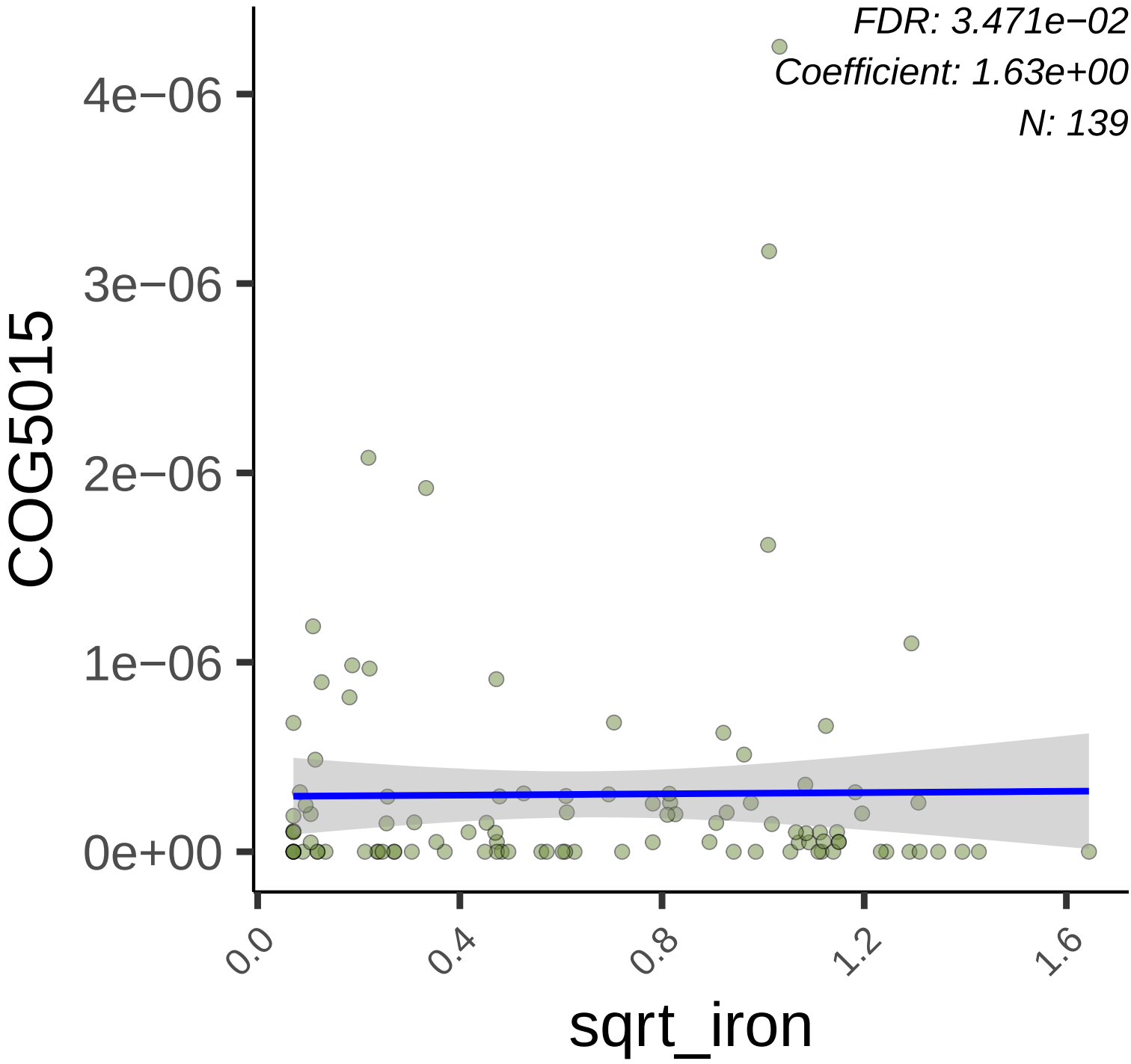
1.6
sqrt_iron


FDR: 3.471e−02
Coefficient: 1.63e+00
N: 139
COG5015
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2e−06
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0.4
0.8
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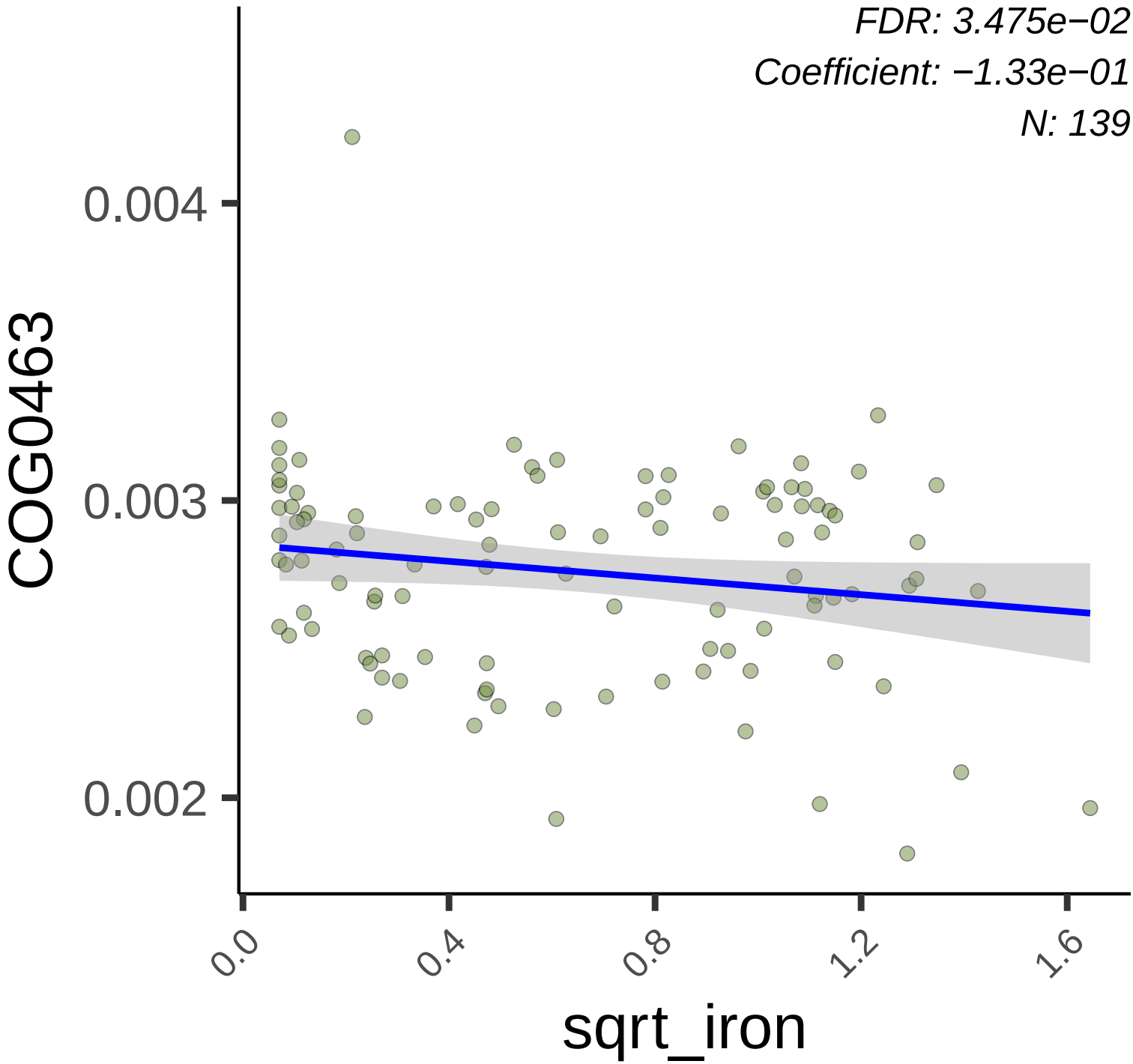
1.6
sqrt_iron


FDR: 3.475e−02
Coefficient: −1.33e−01
N: 139
COG0463
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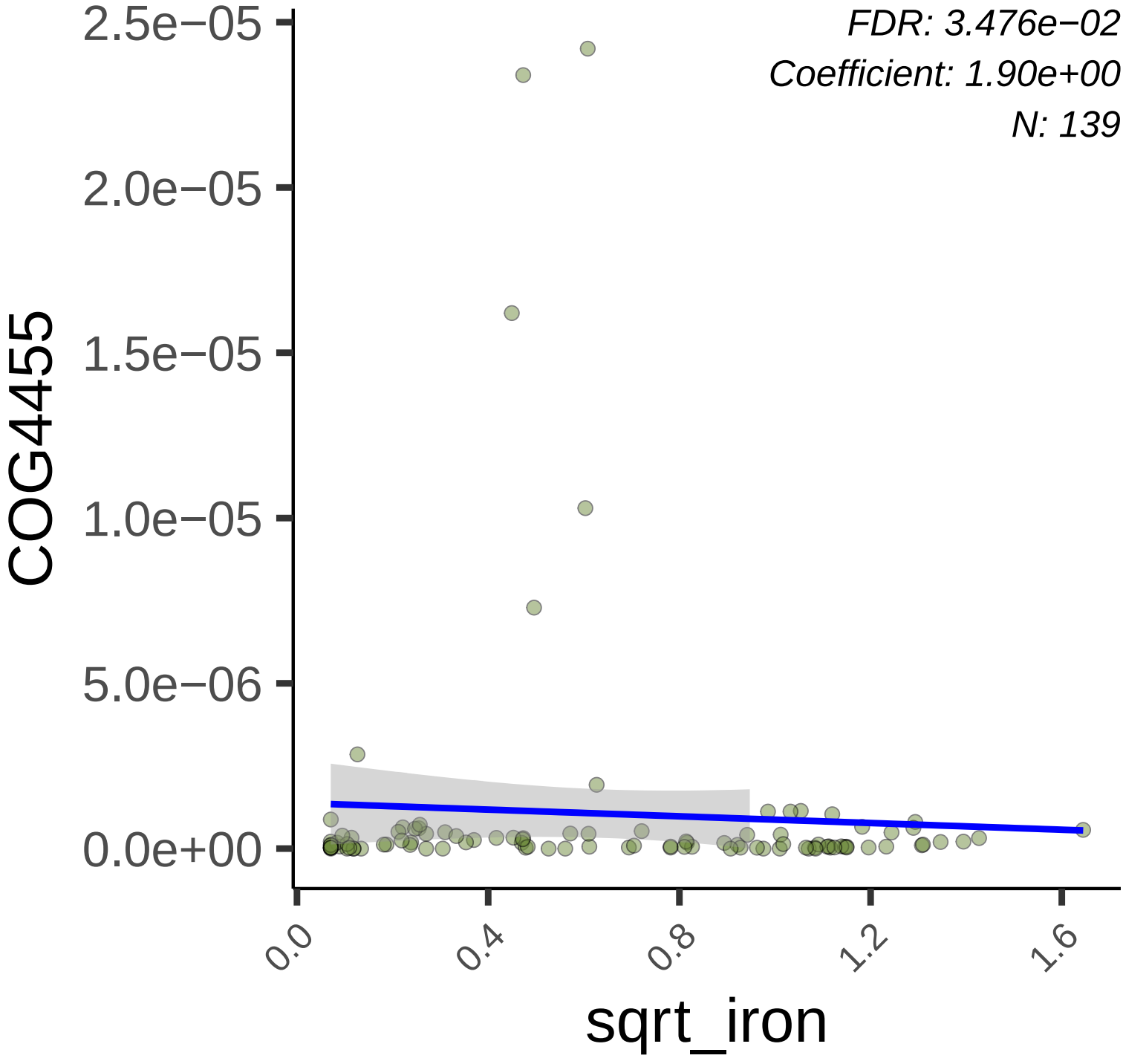
1.6
sqrt_iron


FDR: 3.476e−02
Coefficient: 1.90e+00
N: 139
COG4455
2.5e−05
2.0e−05
1.5e−05
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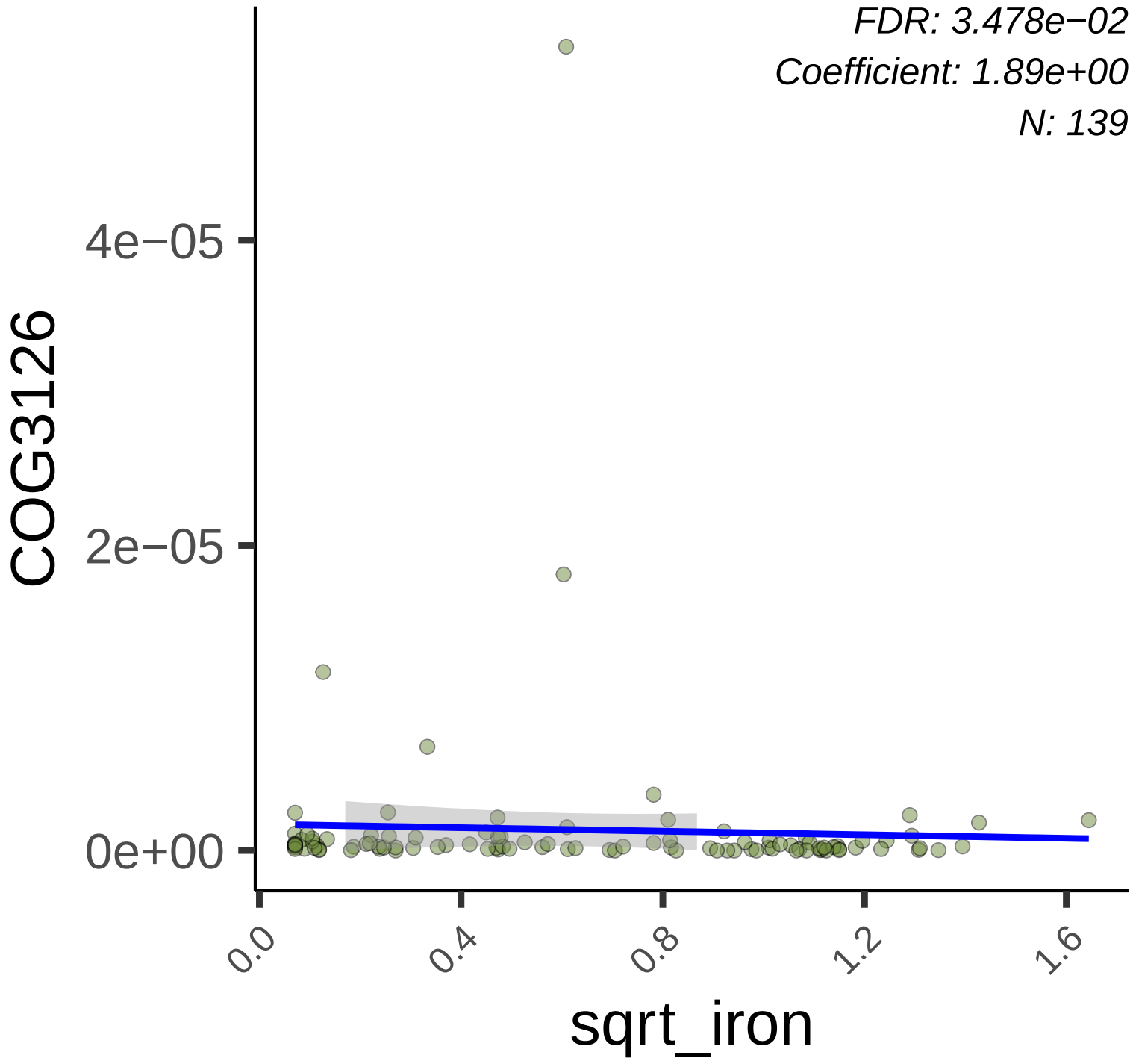
0.8
1.2
1.6
sqrt_iron


FDR: 3.478e−02
Coefficient: 1.89e+00
N: 139
COG3126
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0e+00
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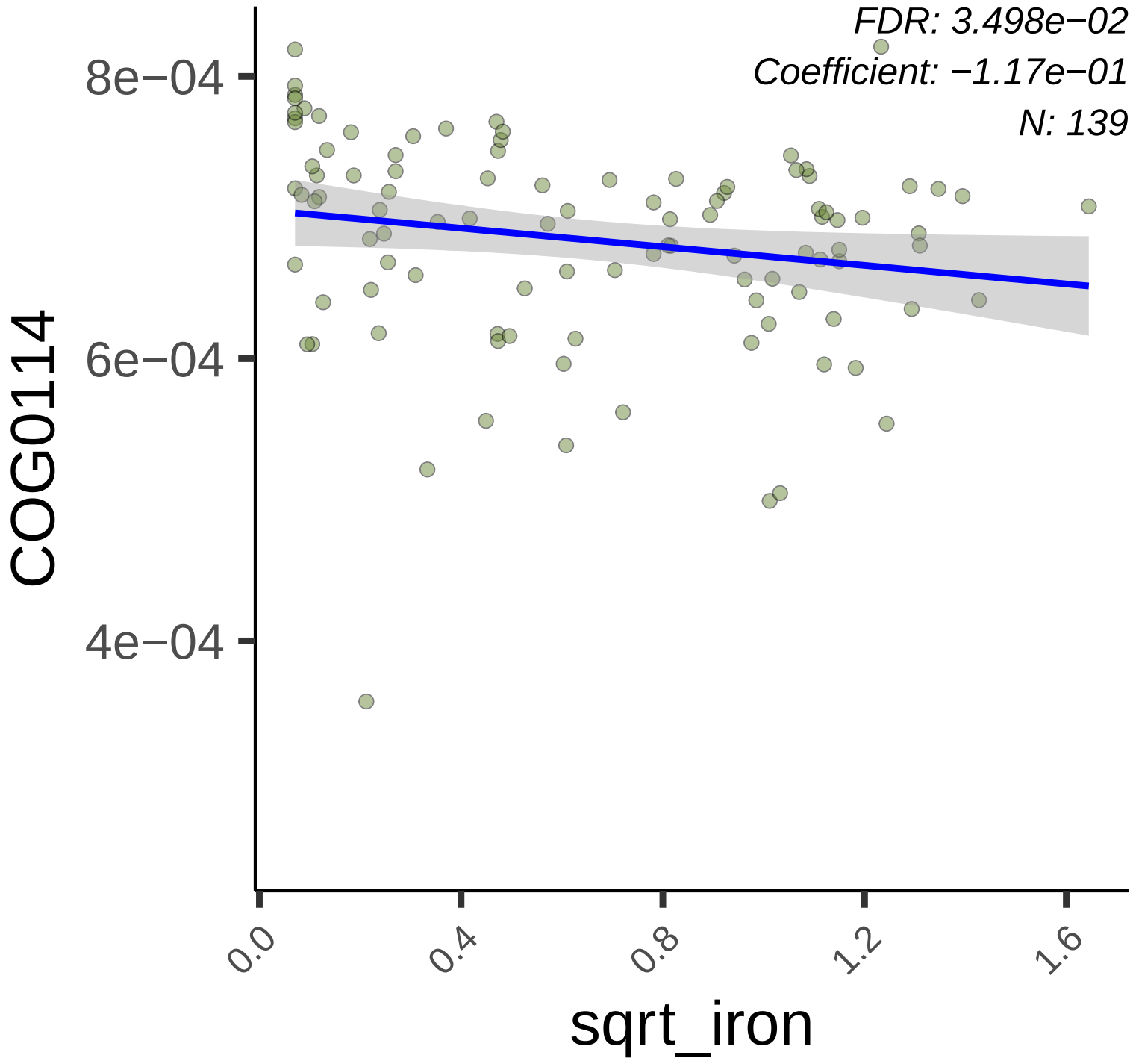
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.498e−02
Coefficient: −1.17e−01
N: 139
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6e−04
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COG0114
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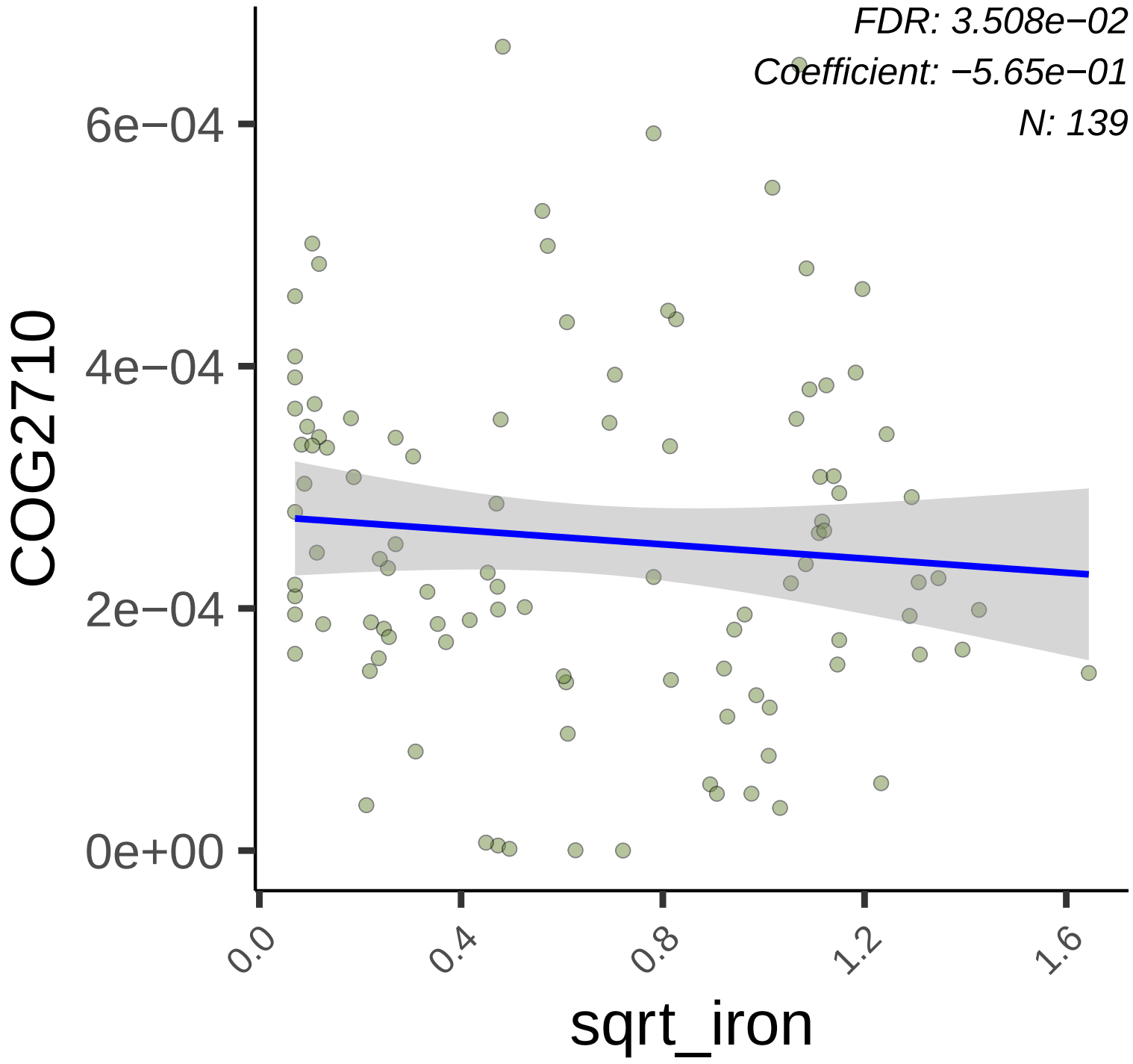
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.508e−02
Coefficient: −5.65e−01
N: 139
COG2710
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4e−04
2e−04
0e+00
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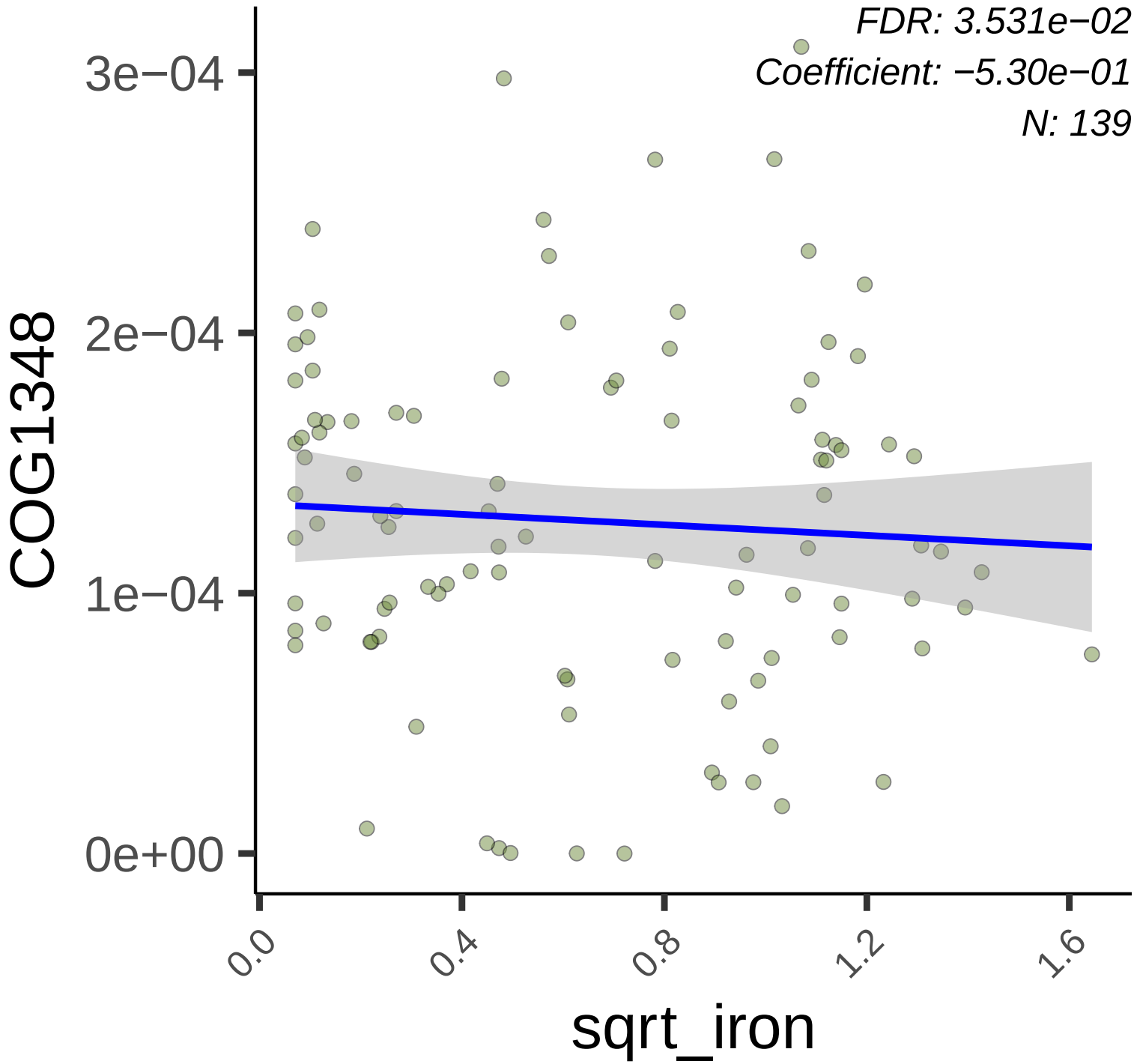
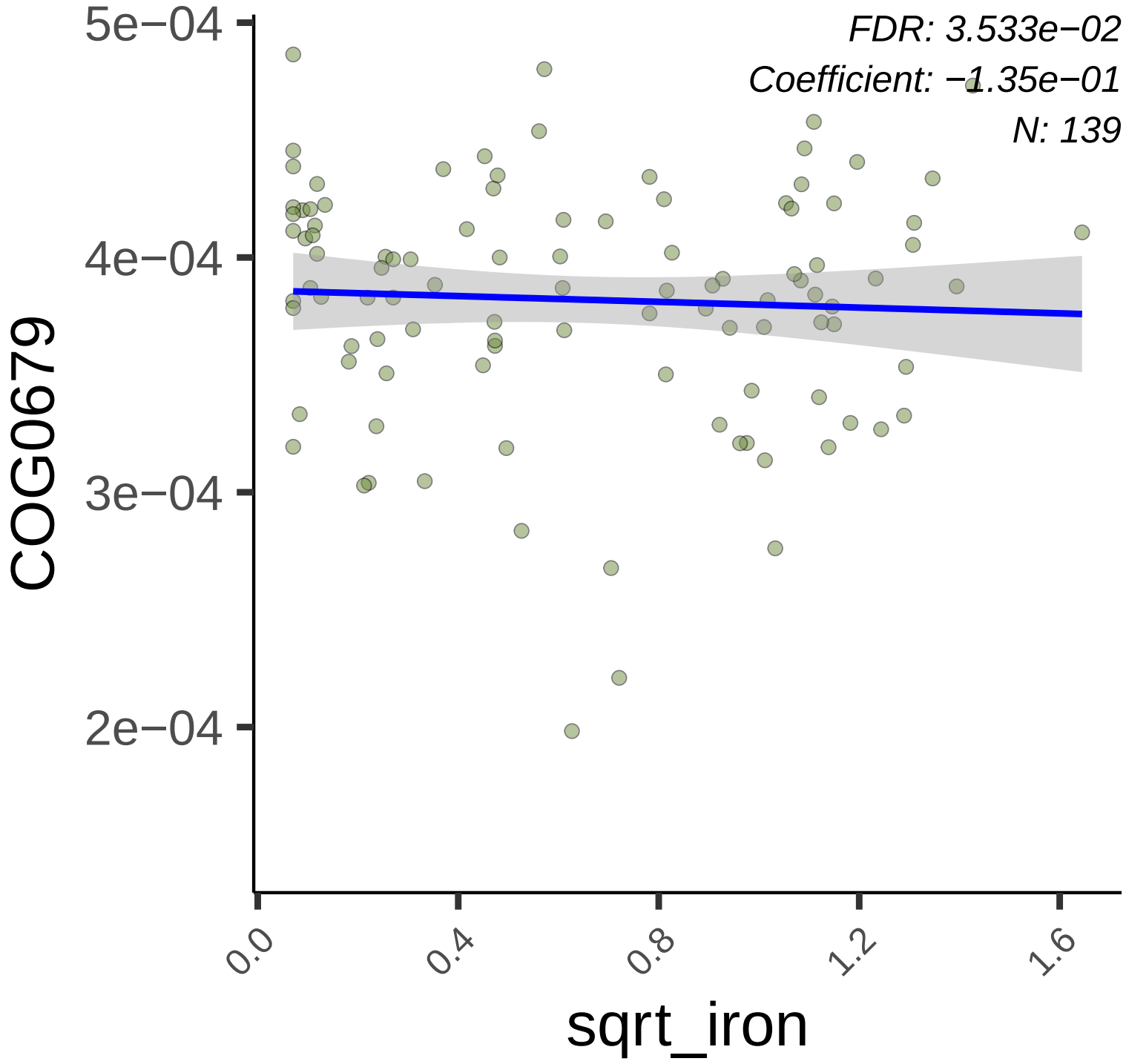
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.531e−02
Coefficient: −5.30e−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: 3.533e−02
Coefficient: −1.35e−01
N: 139
5e−04
4e−04
3e−04
2e−04
COG0679
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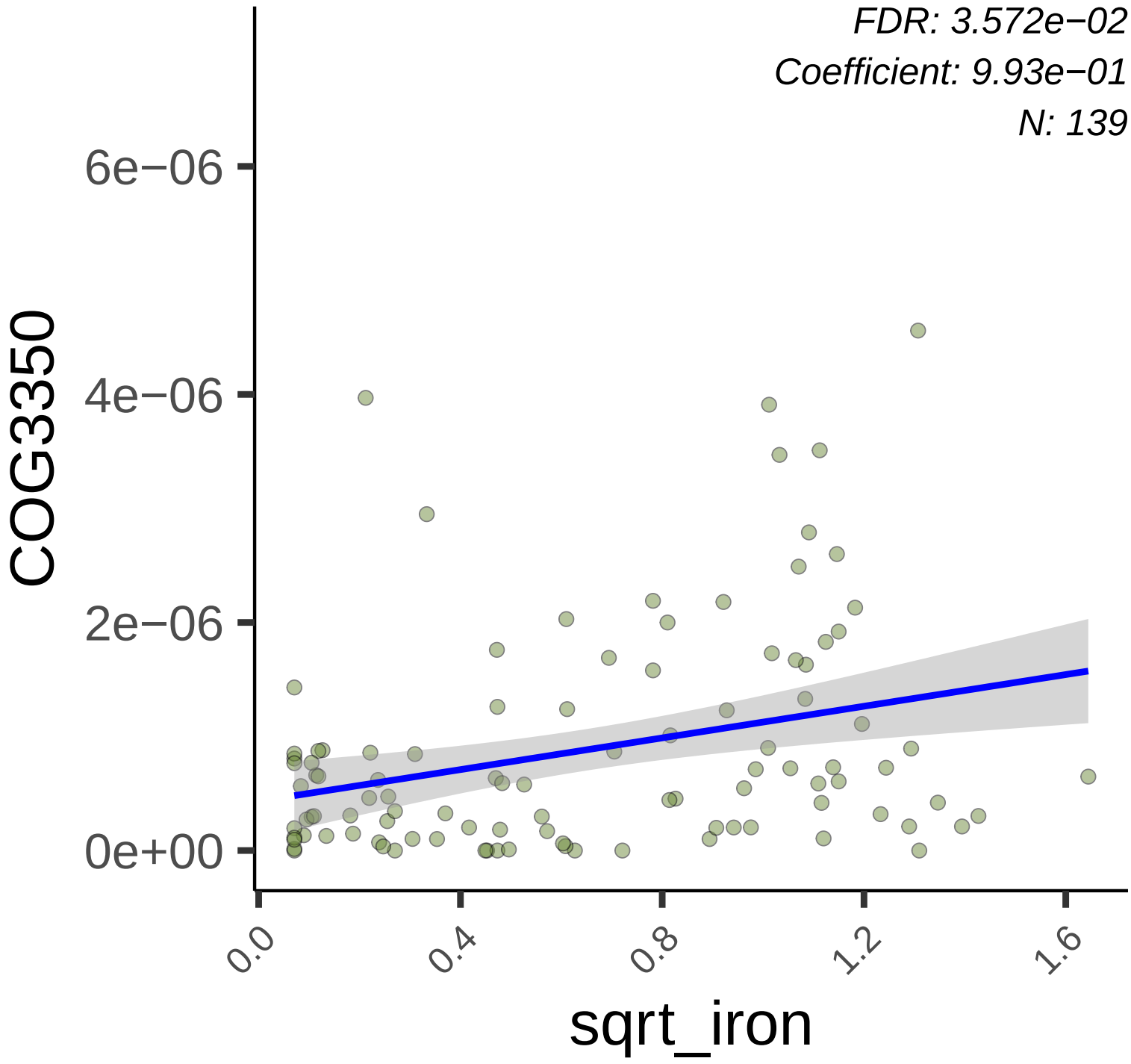
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.572e−02
Coefficient: 9.93e−01
N: 139
COG3350
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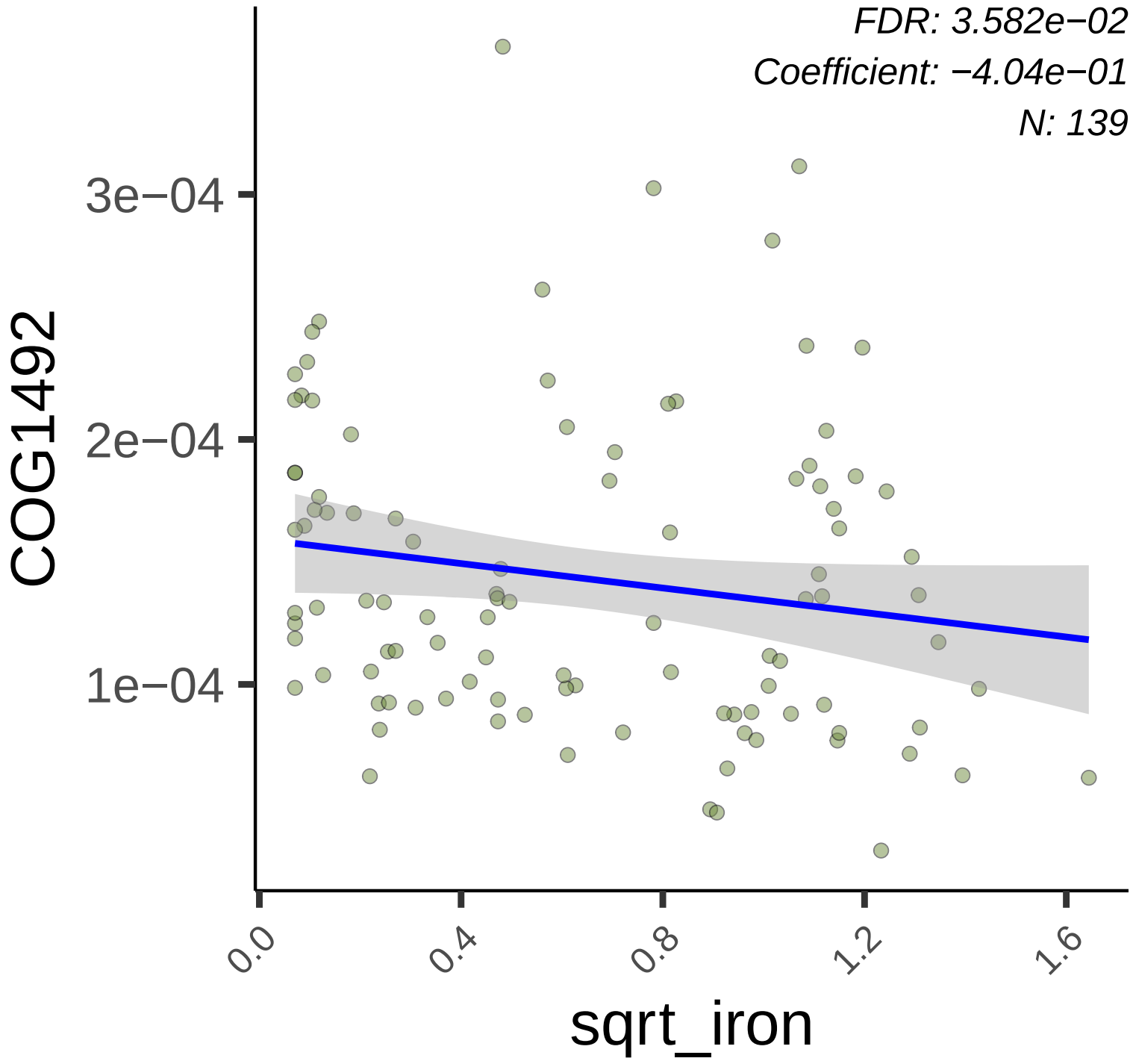
4e−06
2e−06
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.582e−02
Coefficient: −4.04e−01
N: 139
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2e−04
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COG1492
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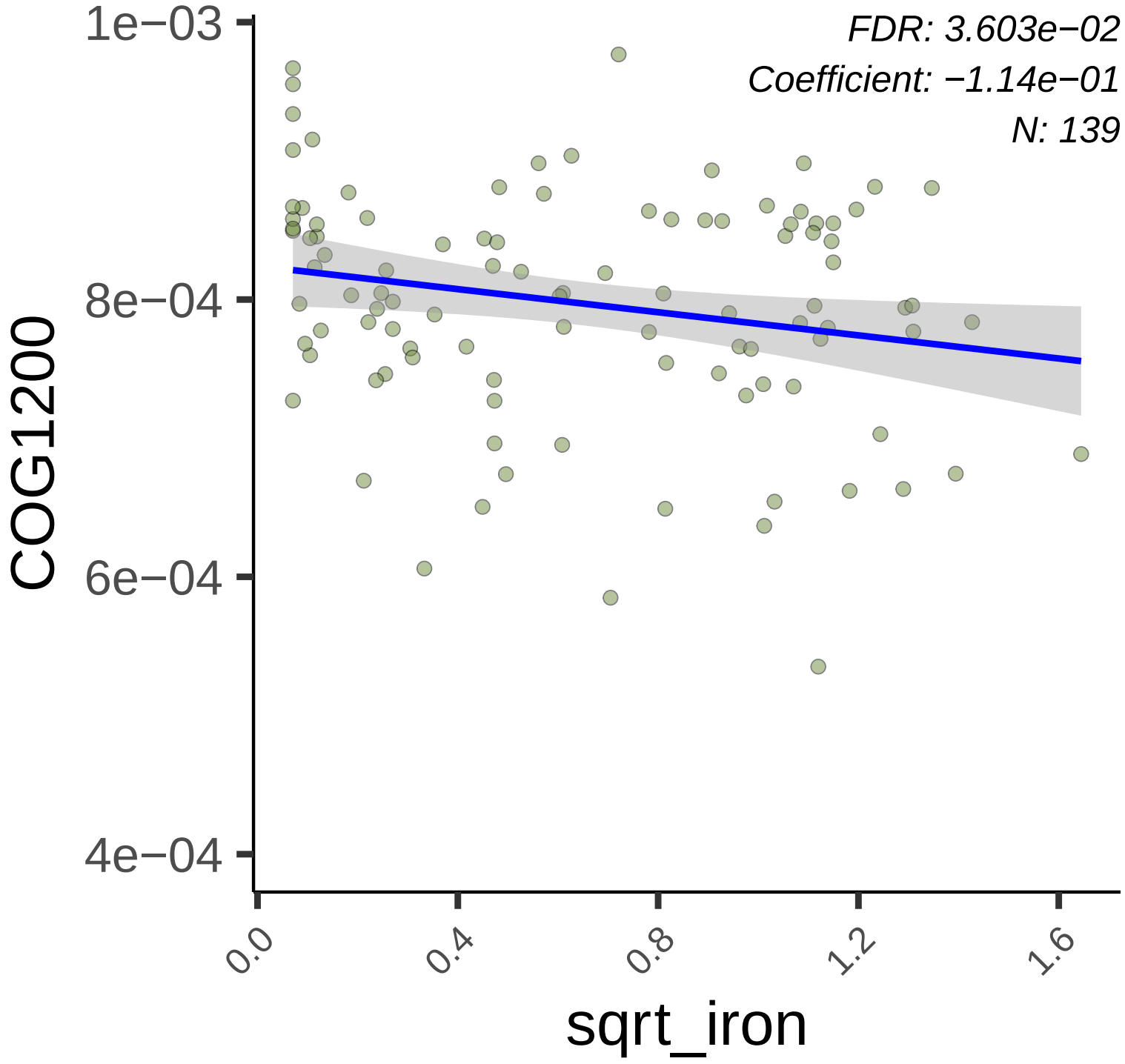
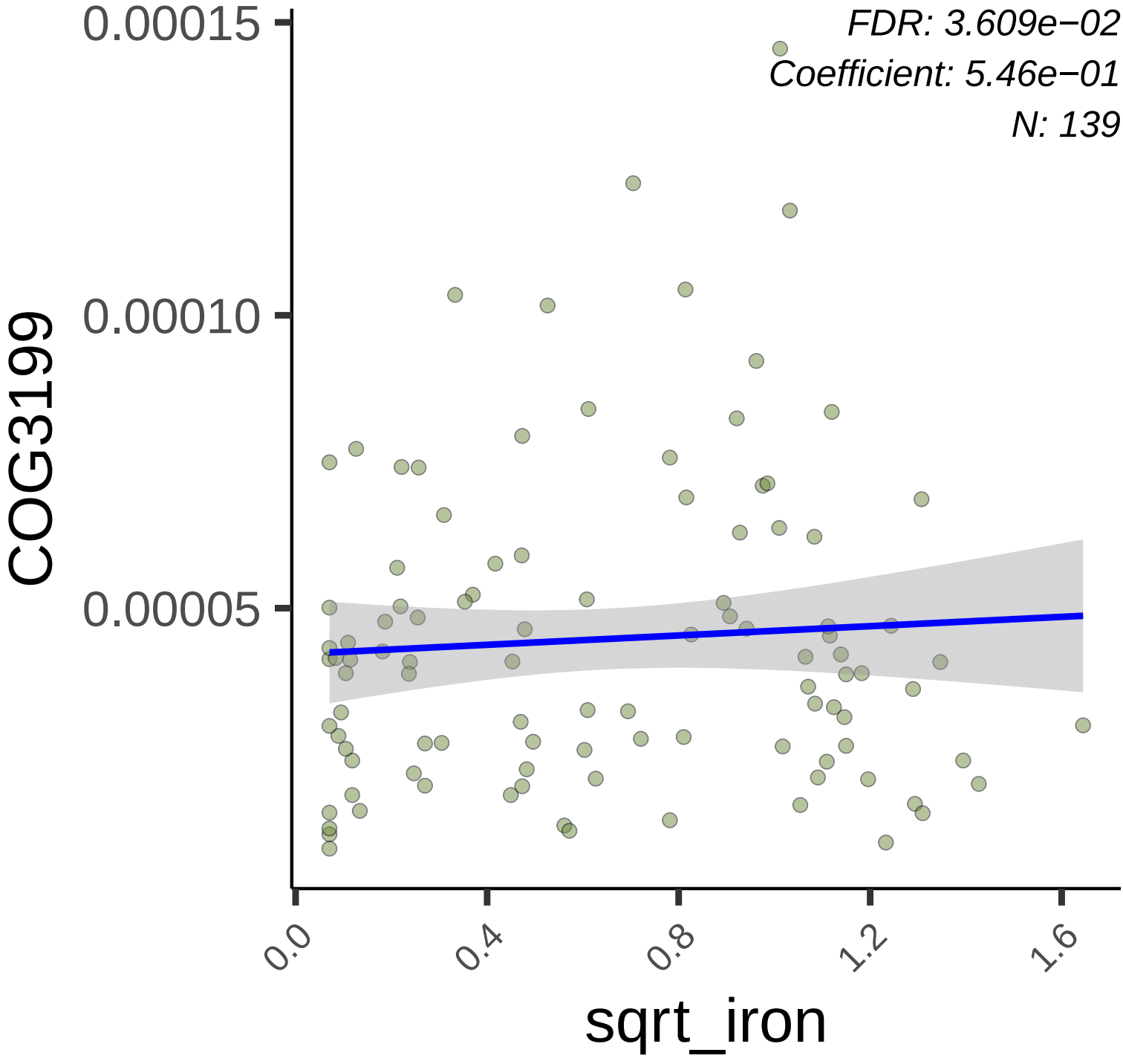
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.603e−02
Coefficient: −1.14e−01
N: 139
1e−03
8e−04
6e−04
4e−04
COG1200
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.609e−02
Coefficient: 5.46e−01
N: 139
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0.00010
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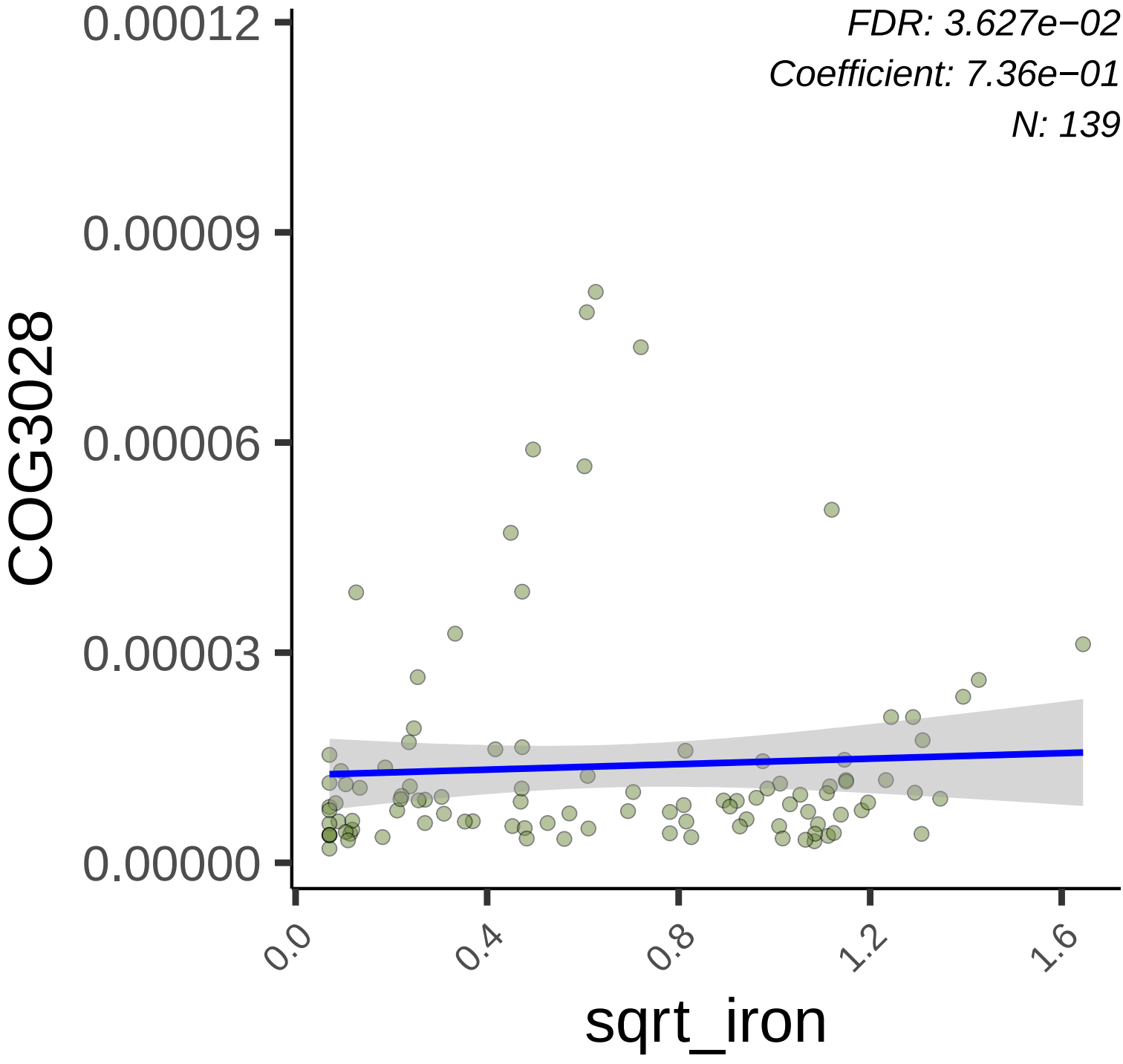
COG3199
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.627e−02
Coefficient: 7.36e−01
N: 139
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0.00009
0.00006
0.00003
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COG3028
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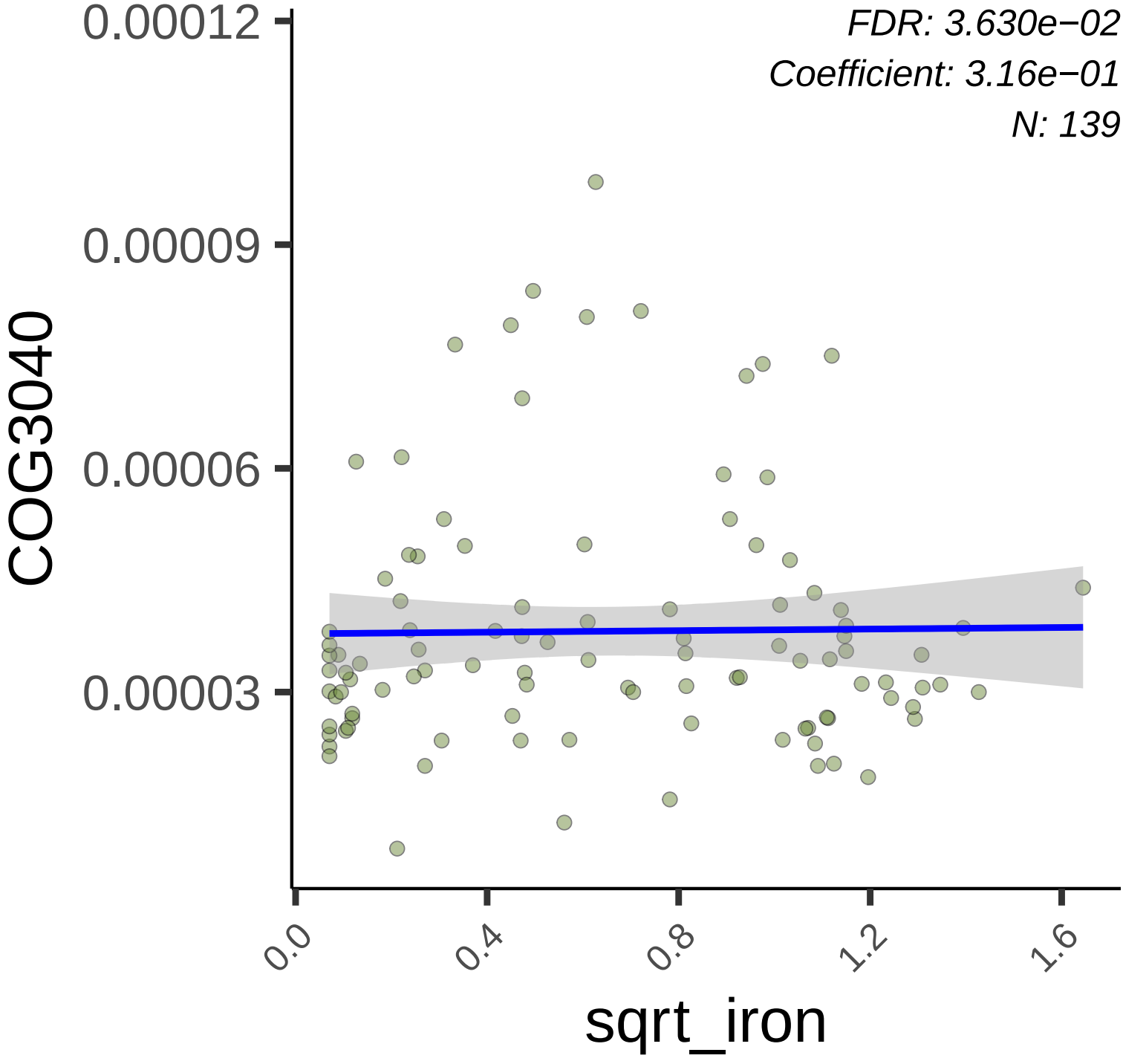
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.630e−02
Coefficient: 3.16e−01
N: 139
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0.00009
0.00006
0.00003
COG3040
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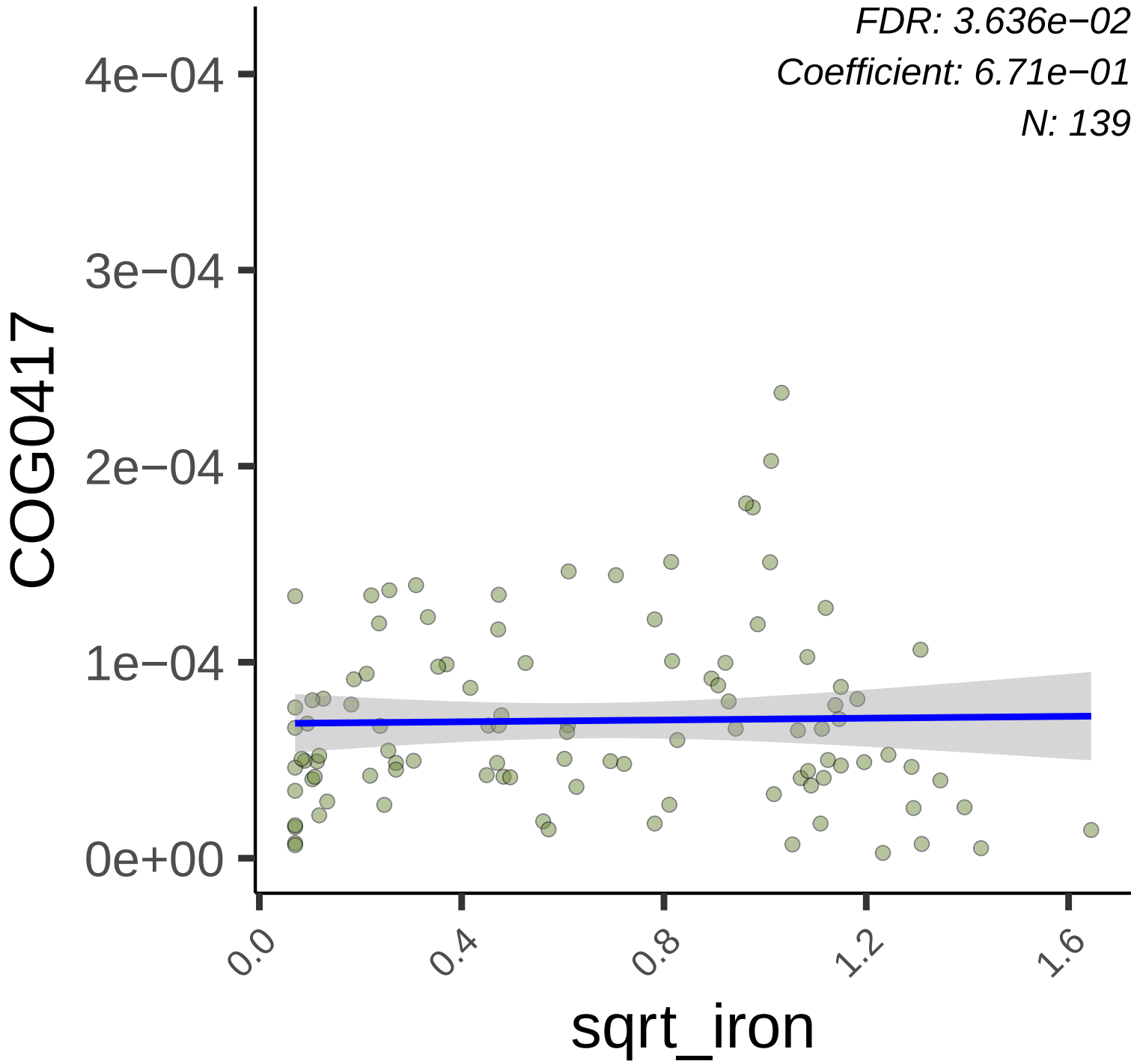
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.636e−02
Coefficient: 6.71e−01
N: 139
COG0417
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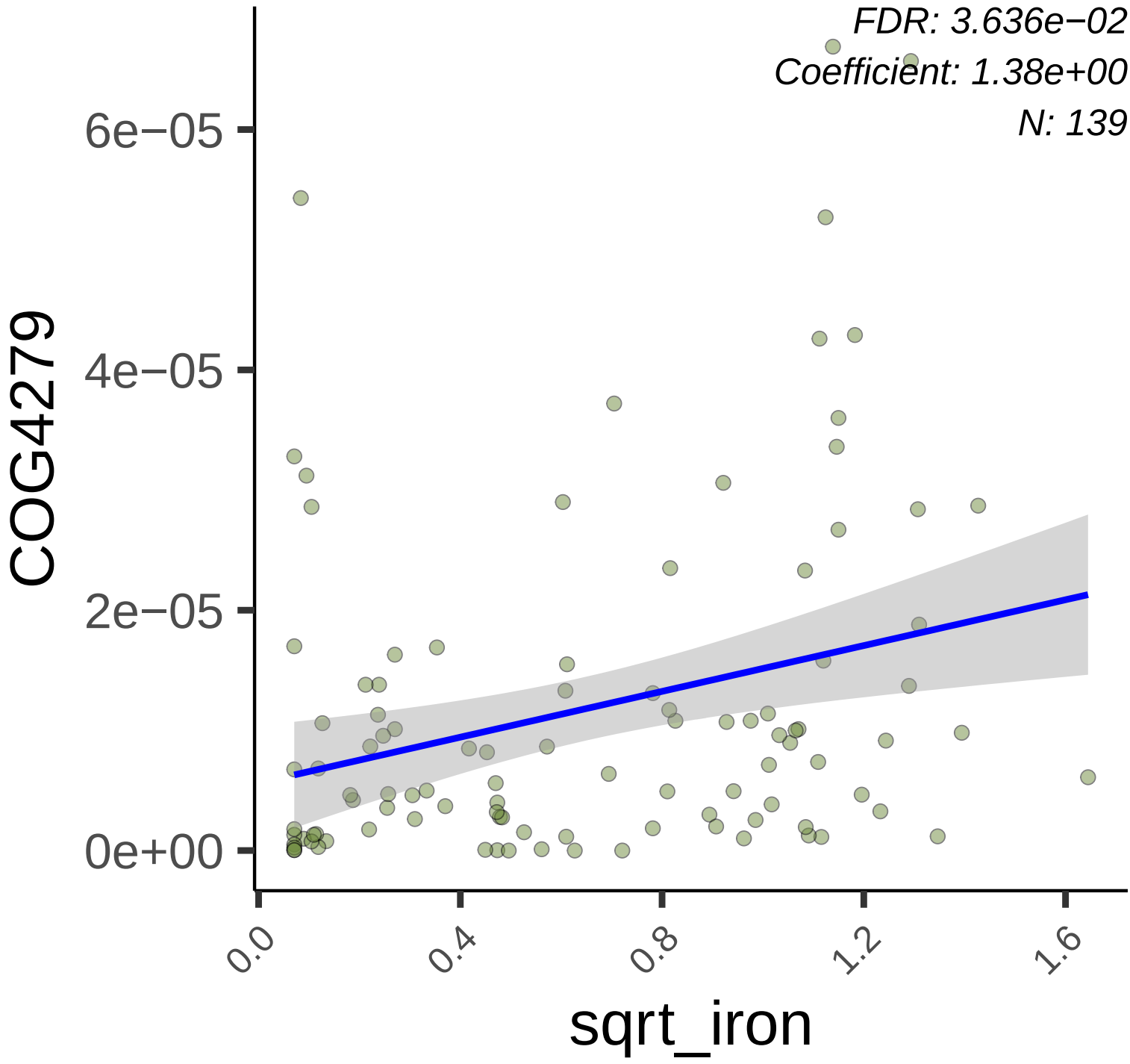
3e−04
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.636e−02
Coefficient: 1.38e+00
N: 139
COG4279
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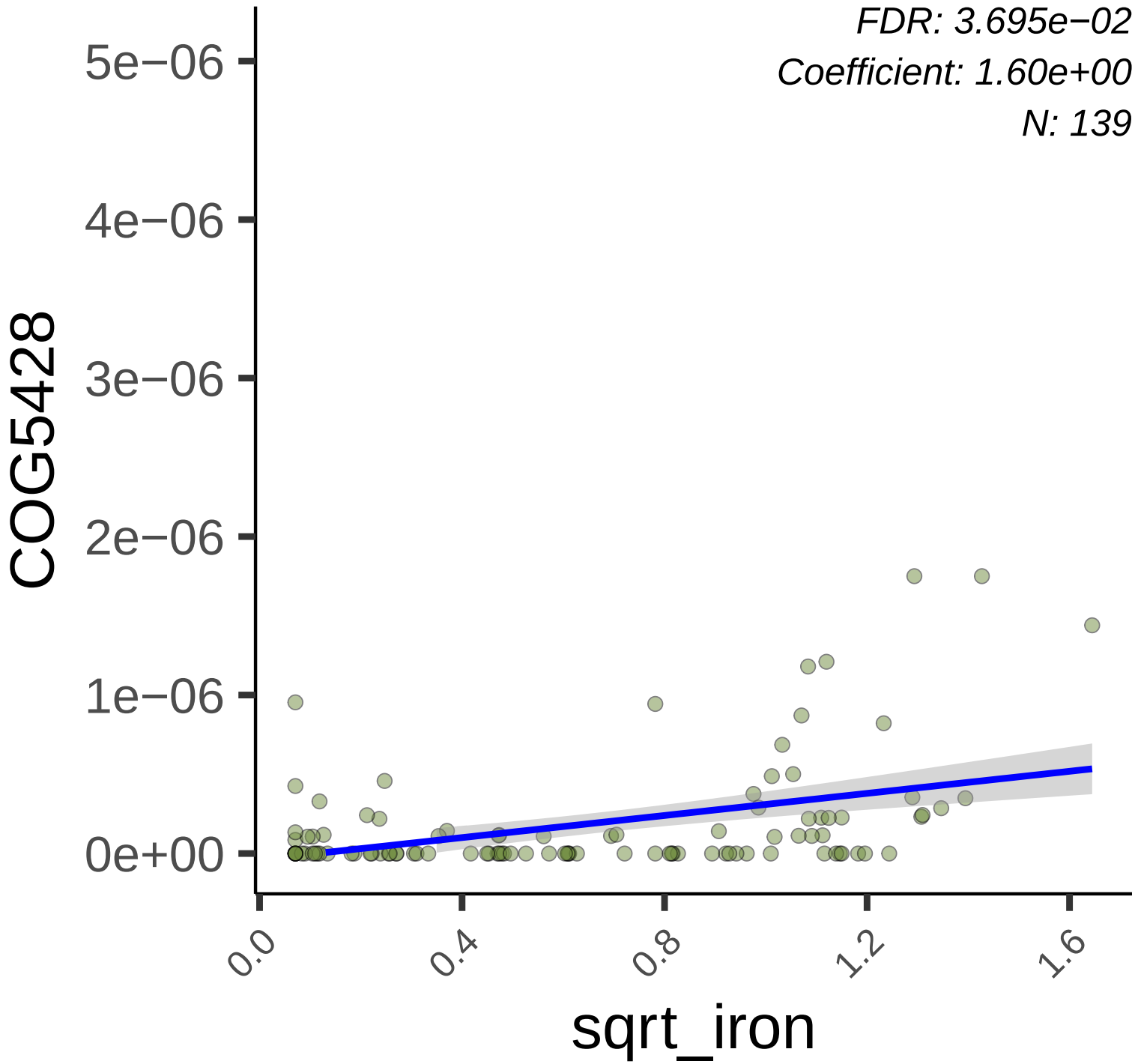
4e−05
2e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.695e−02
Coefficient: 1.60e+00
N: 139
COG5428
5e−06
4e−06
3e−06
2e−06
1e−06
0e+00
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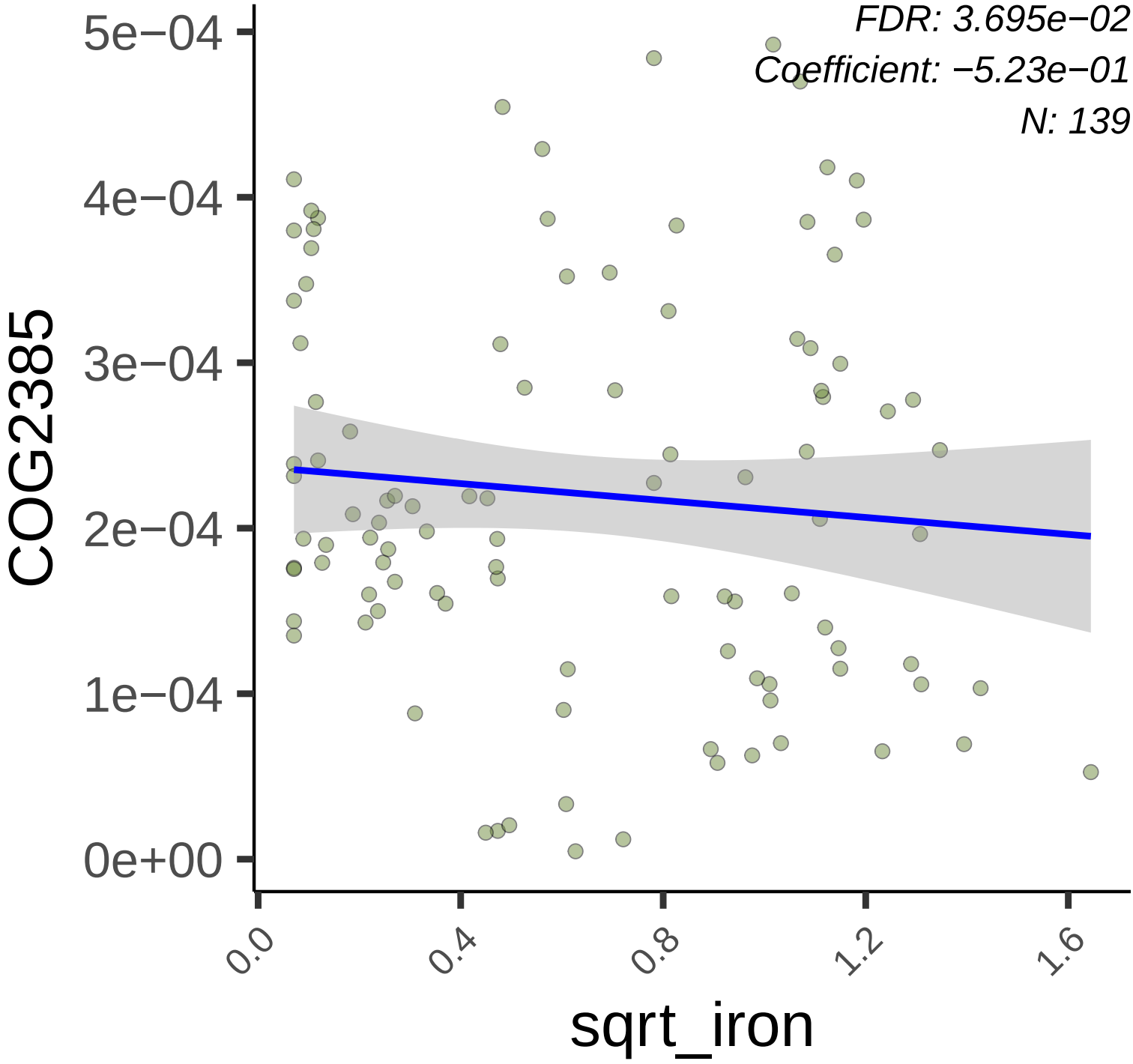
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.695e−02
Coefficient: −5.23e−01
N: 139
COG2385
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2e−04
1e−04
0e+00
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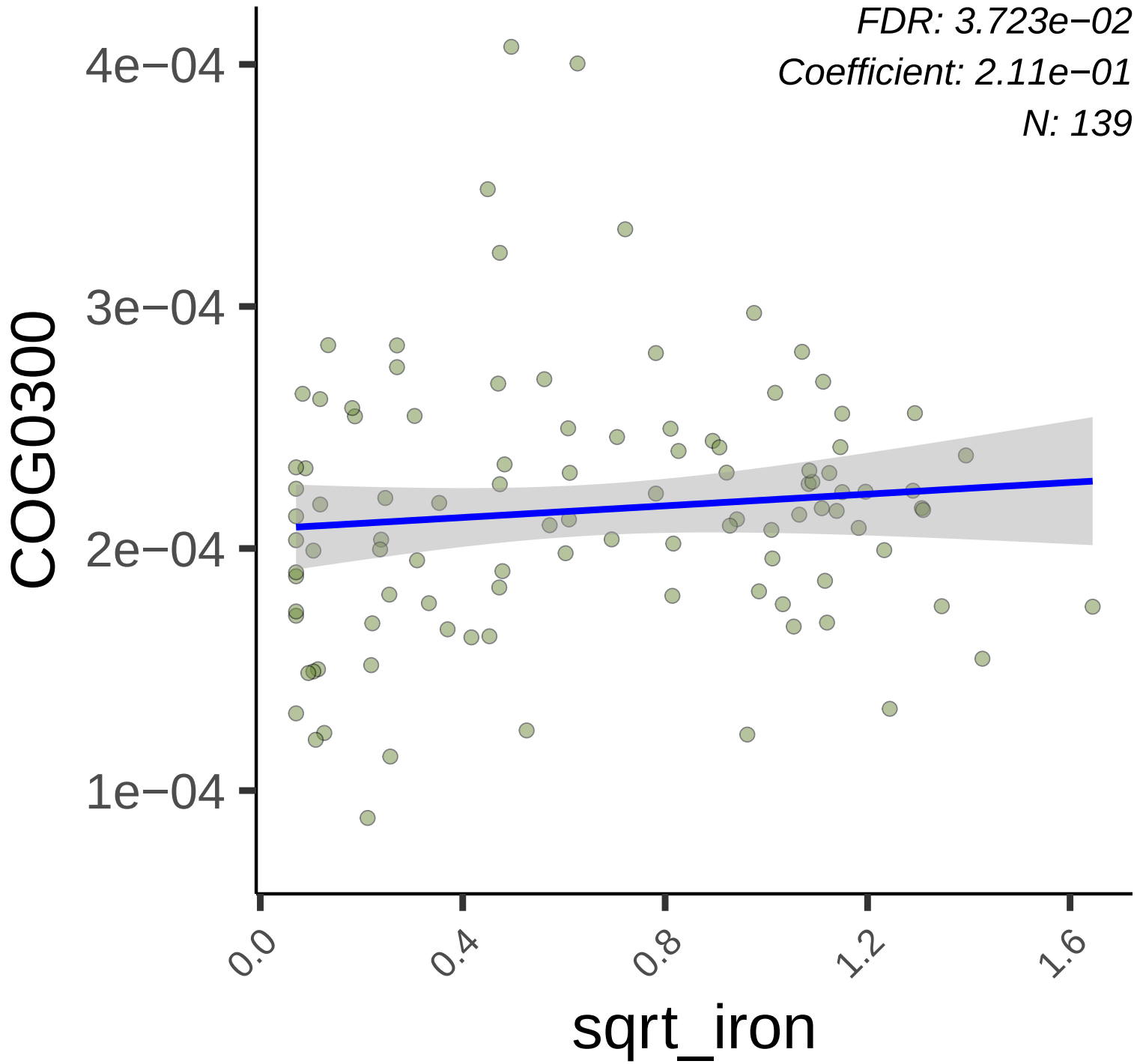
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.723e−02
Coefficient: 2.11e−01
N: 139
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2e−04
1e−04
COG0300
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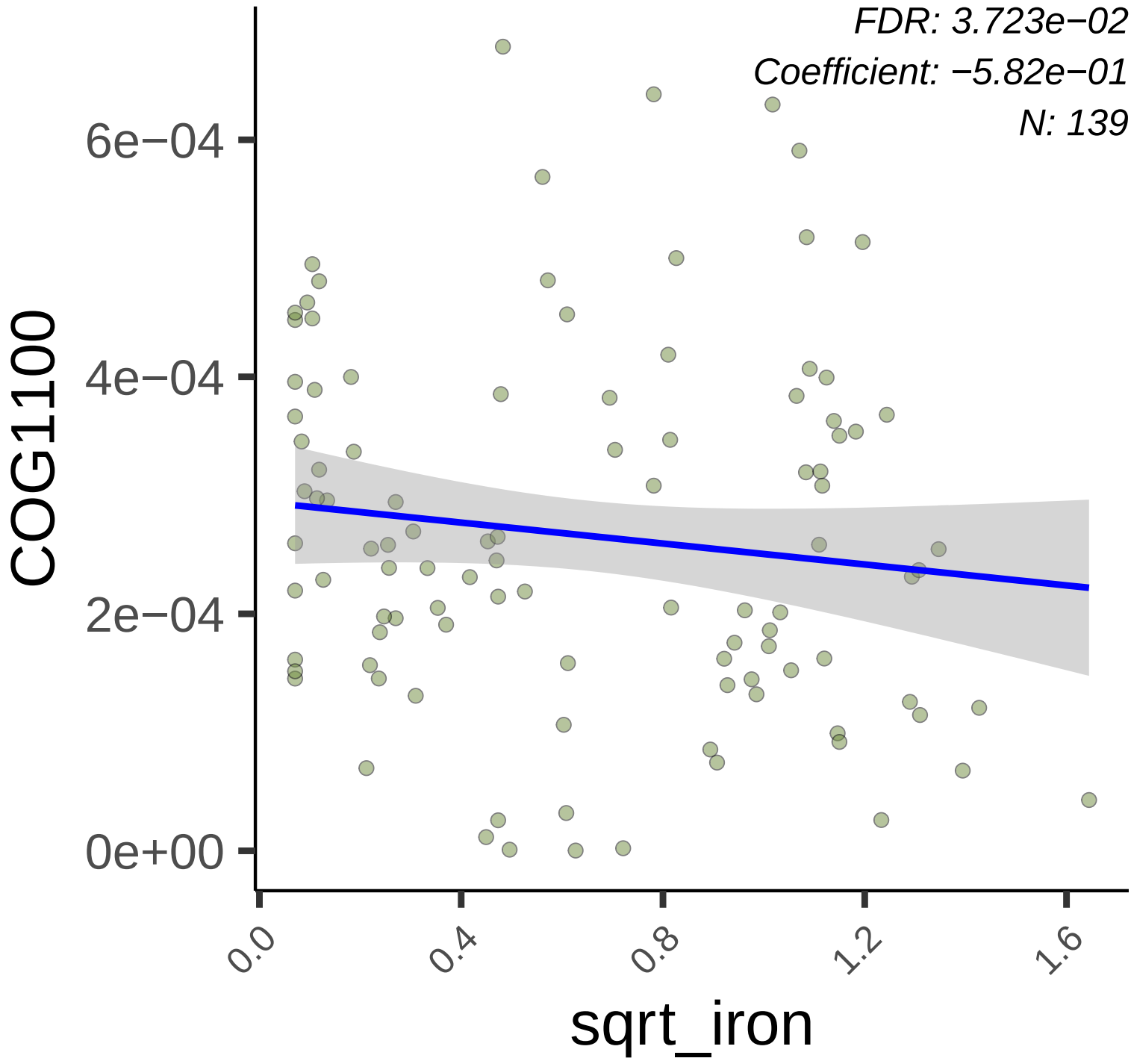
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.723e−02
Coefficient: −5.82e−01
N: 139
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4e−04
2e−04
0e+00
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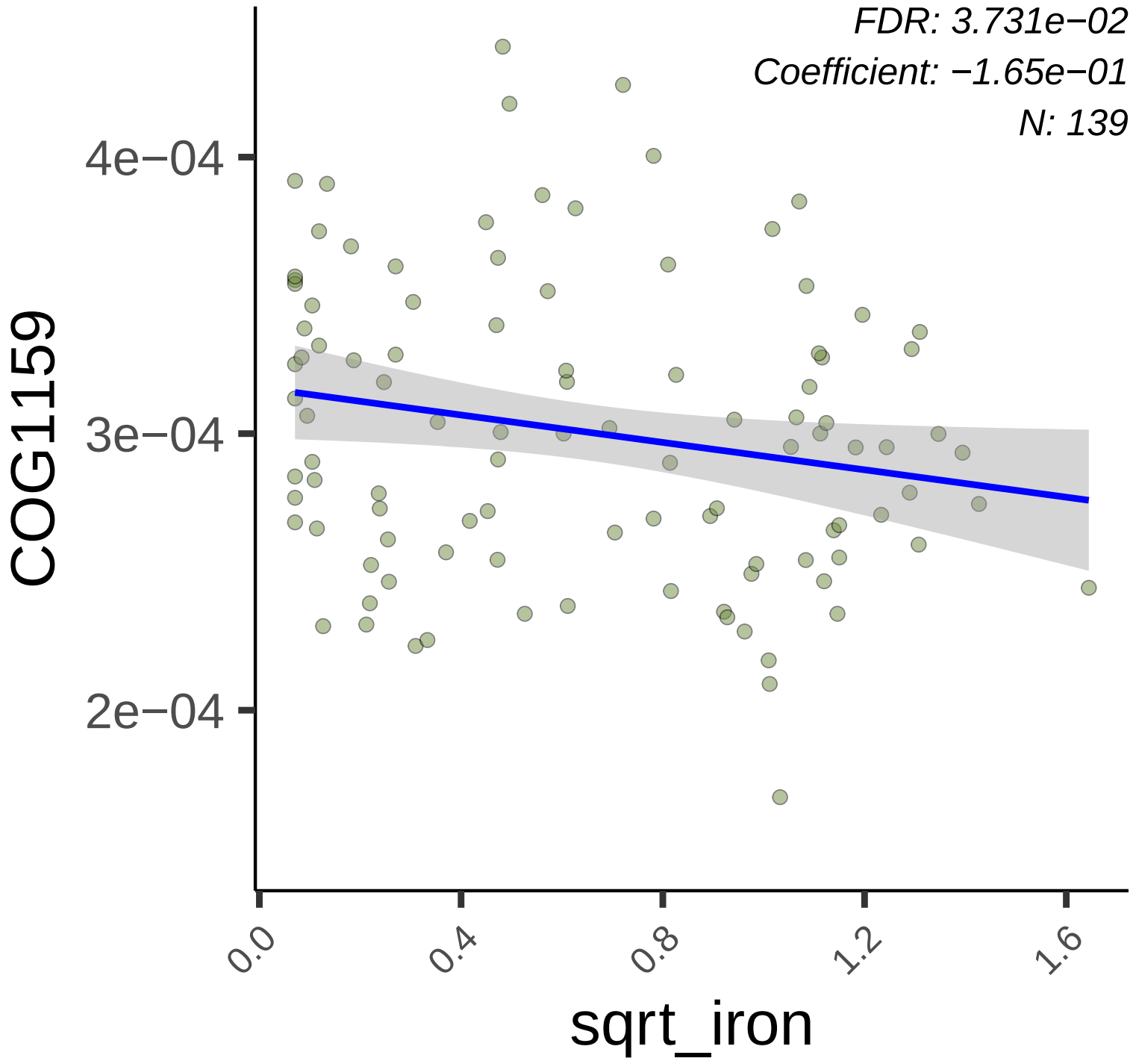
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.731e−02
Coefficient: −1.65e−01
N: 139
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3e−04
2e−04
COG1159
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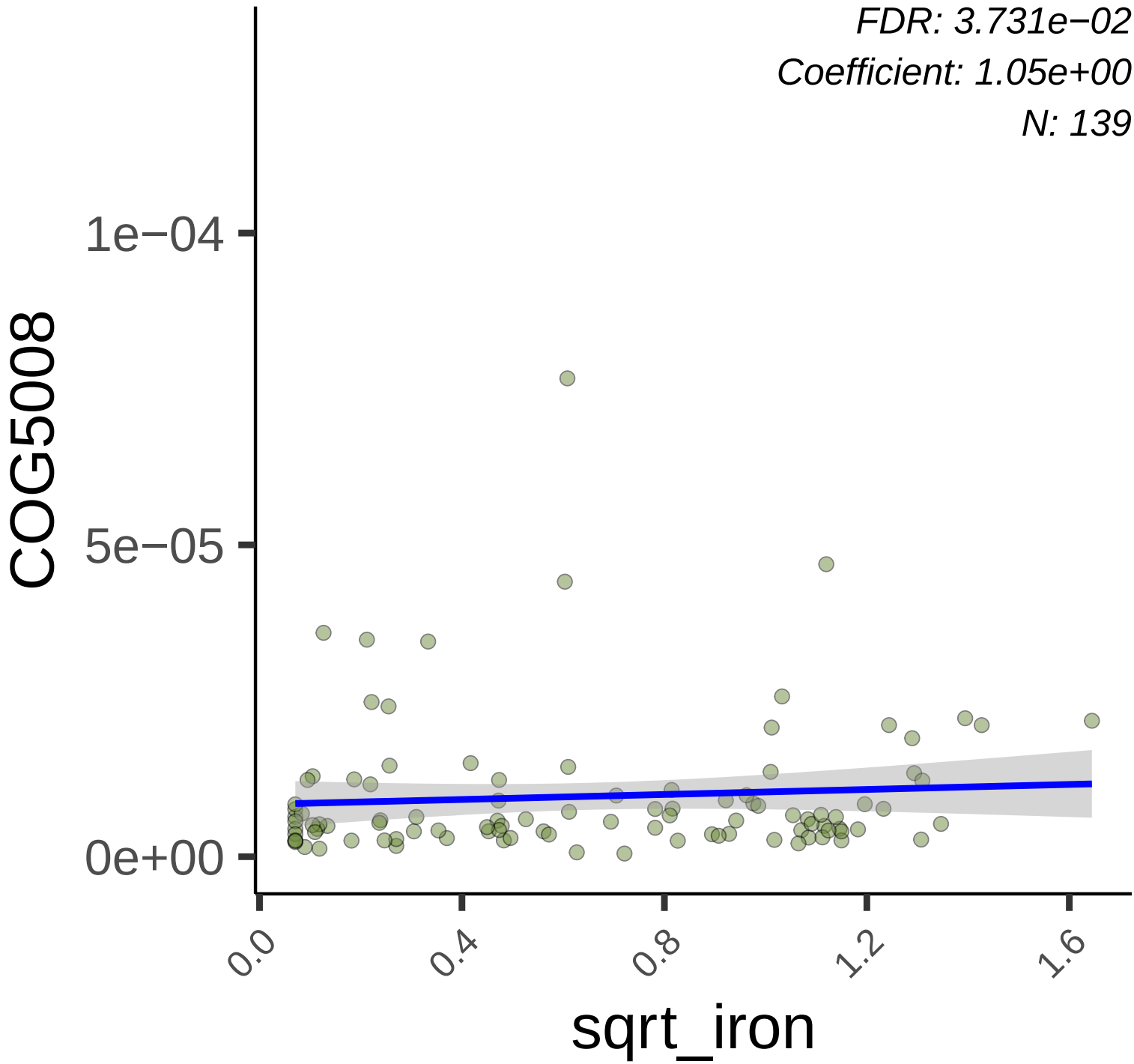
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.731e−02
Coefficient: 1.05e+00
N: 139
COG5008
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5e−05
0e+00
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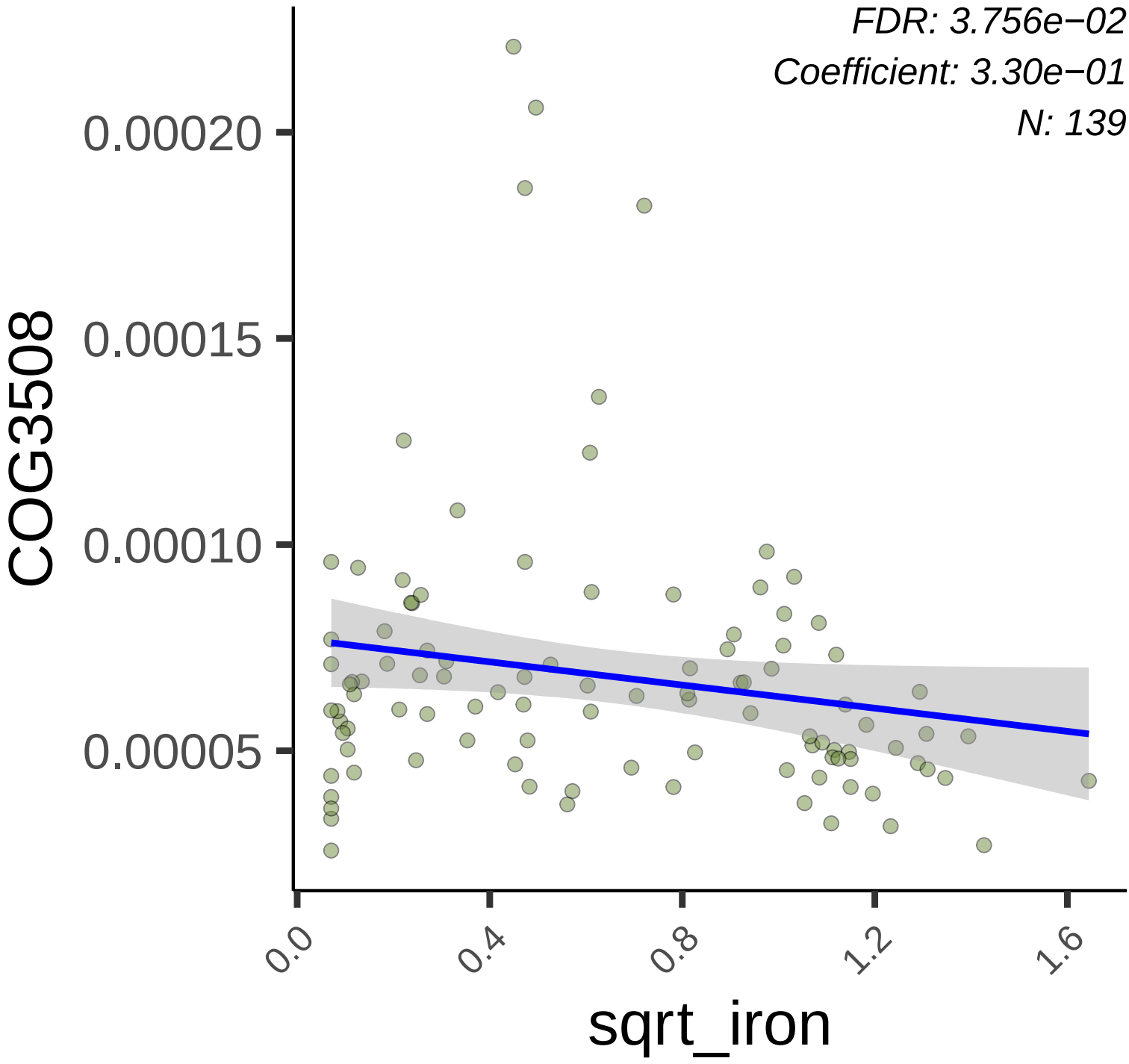
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.756e−02
Coefficient: 3.30e−01
N: 139
COG3508
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0.00010
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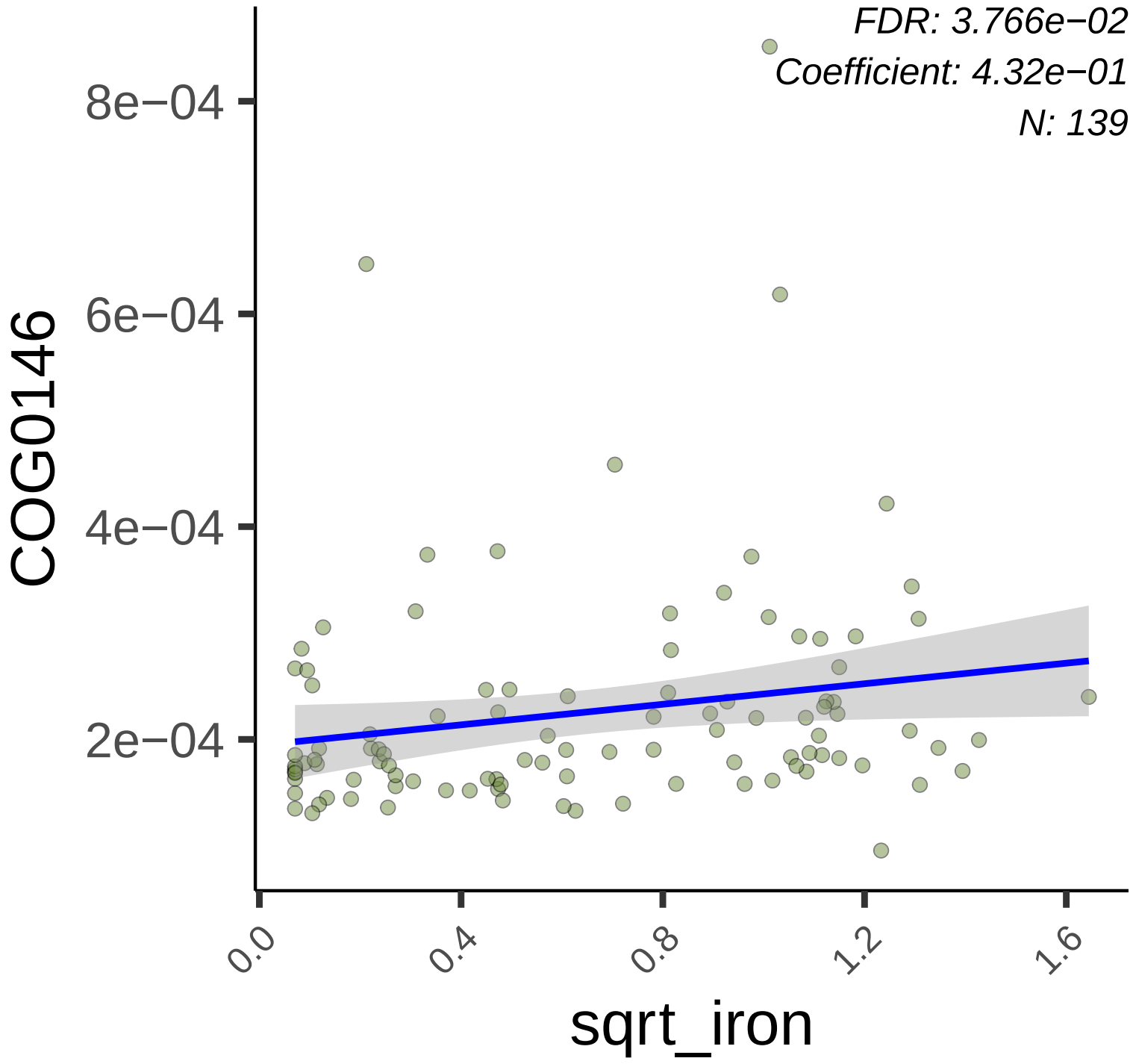
1.2
1.6
sqrt_iron


FDR: 3.766e−02
Coefficient: 4.32e−01
N: 139
COG0146
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6e−04
4e−04
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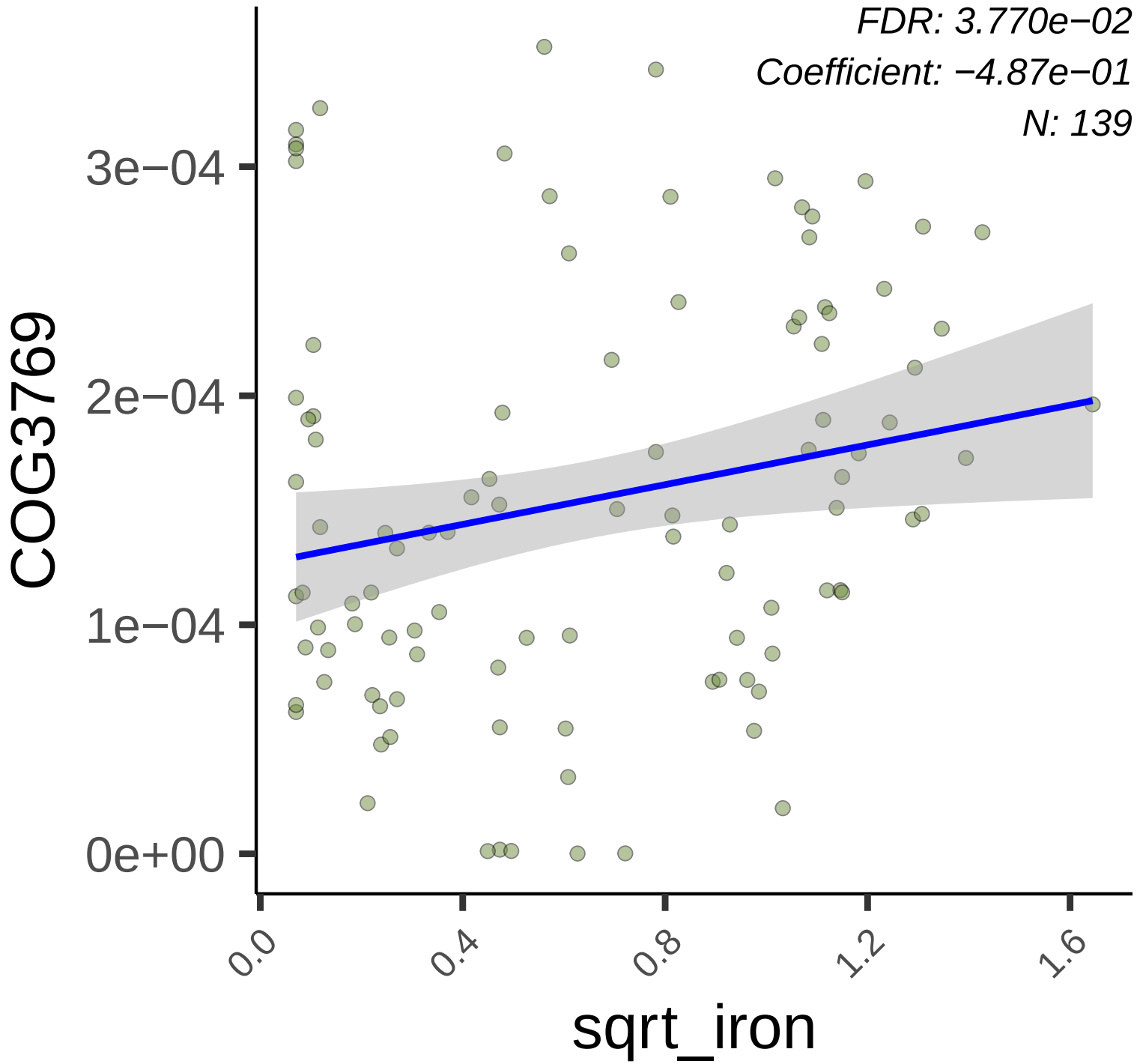
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.770e−02
Coefficient: −4.87e−01
N: 139
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1e−04
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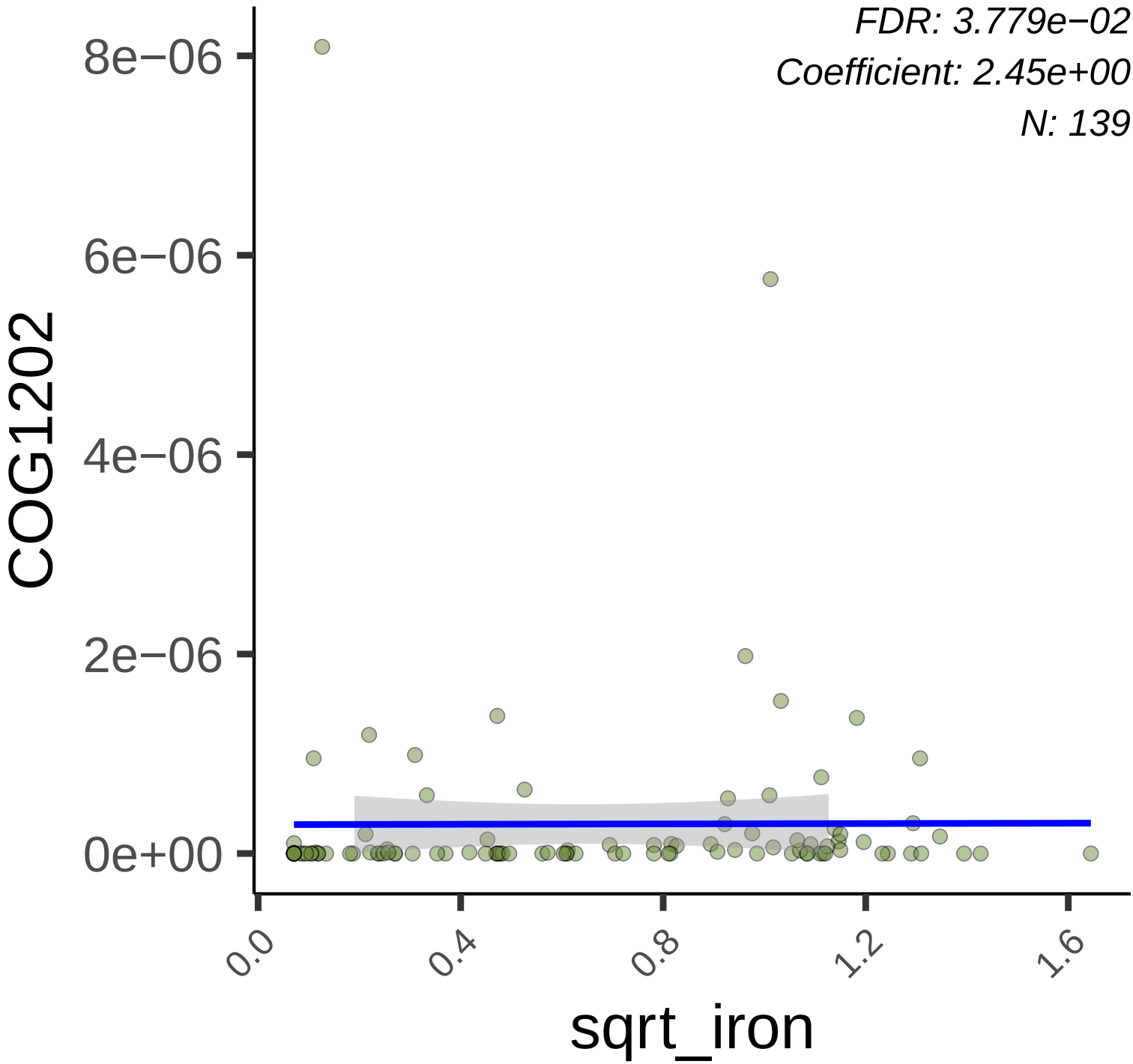
1.2
1.6
sqrt_iron


FDR: 3.779e−02
Coefficient: 2.45e+00
N: 139
COG1202
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4e−06
2e−06
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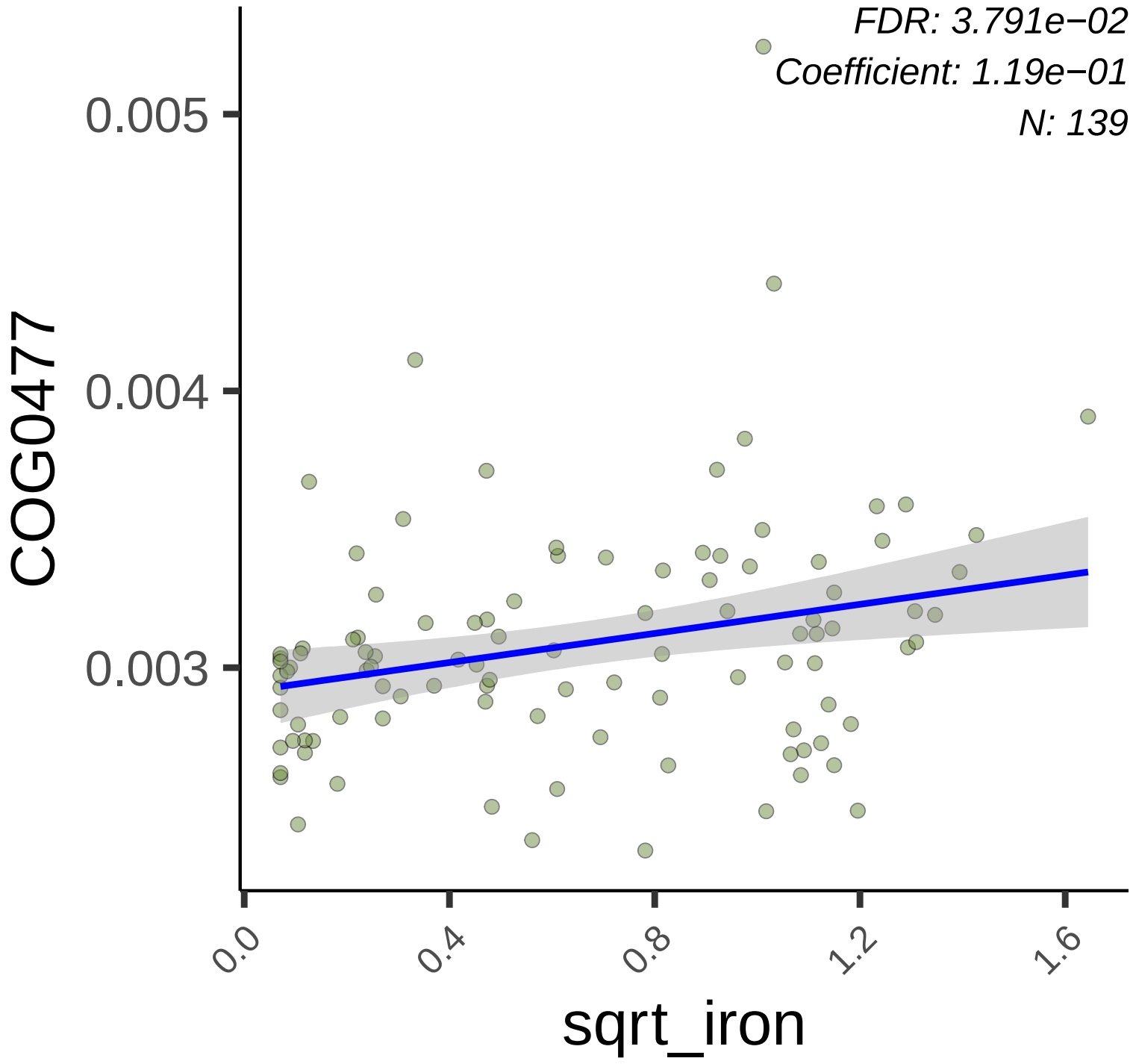
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.791e−02
Coefficient: 1.19e−01
N: 139
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0.003
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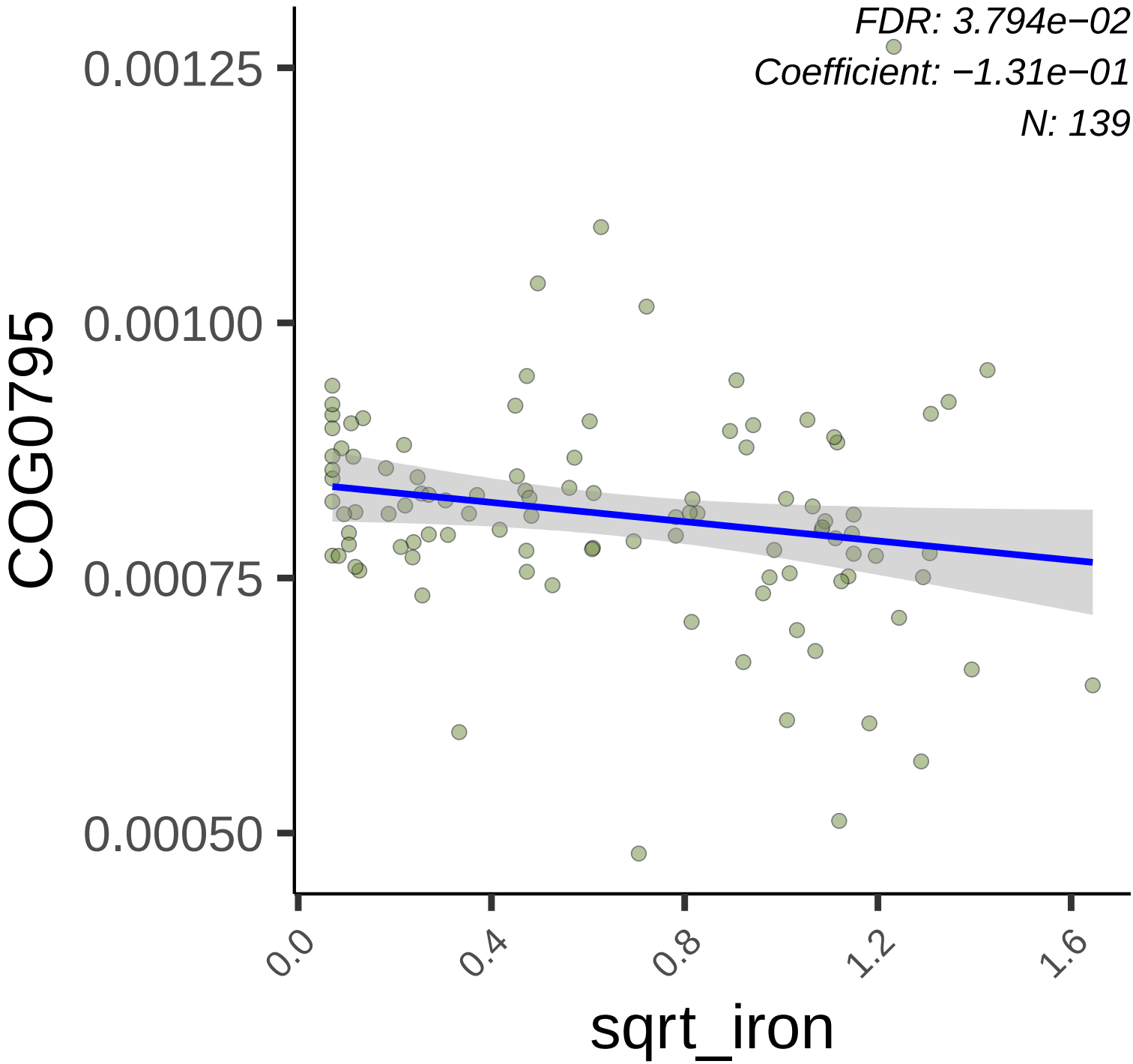
1.2
1.6
sqrt_iron


FDR: 3.794e−02
Coefficient: −1.31e−01
N: 139
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0.00050
COG0795
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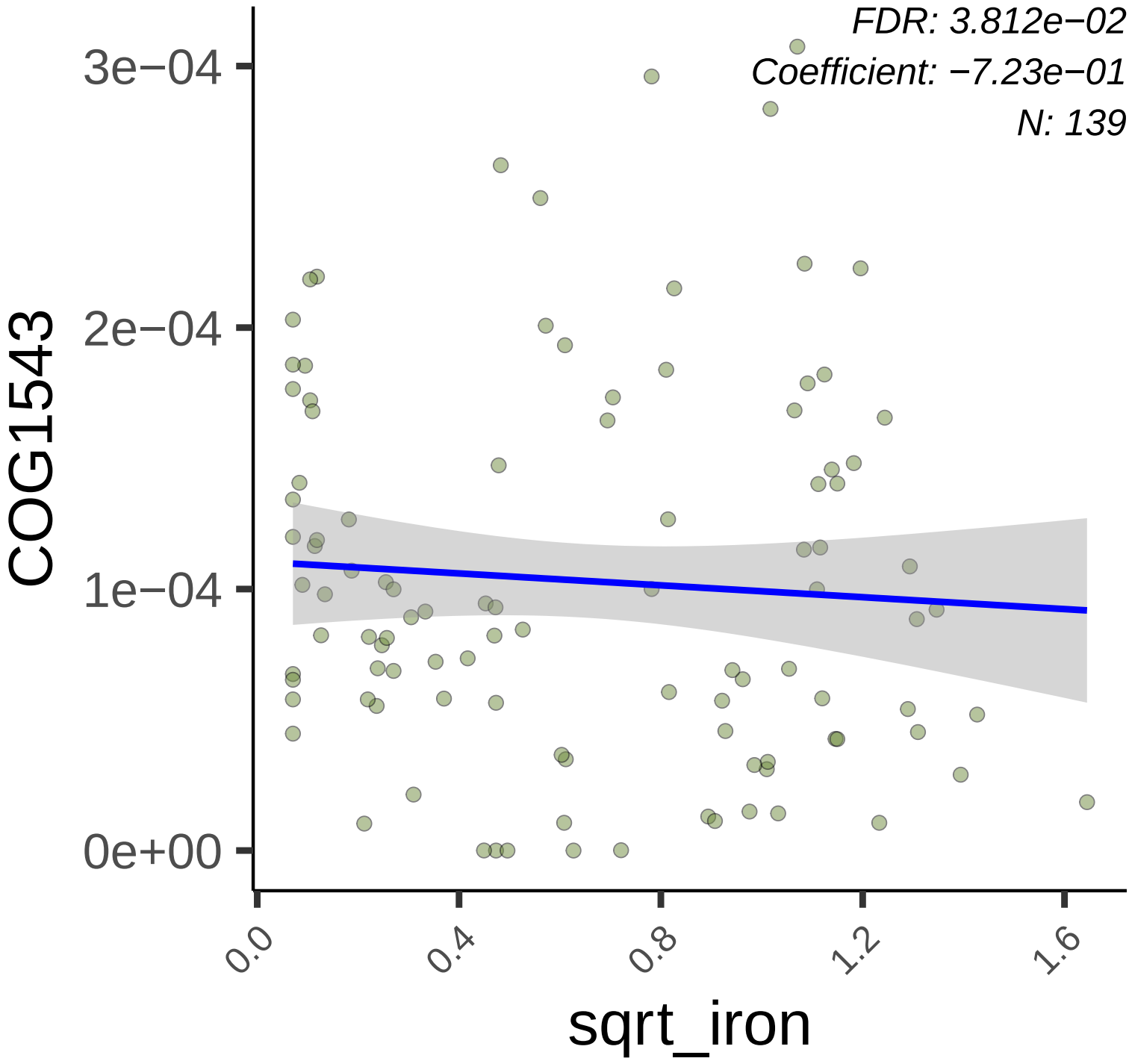
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.812e−02
Coefficient: −7.23e−01
N: 139
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1e−04
0e+00
COG1543
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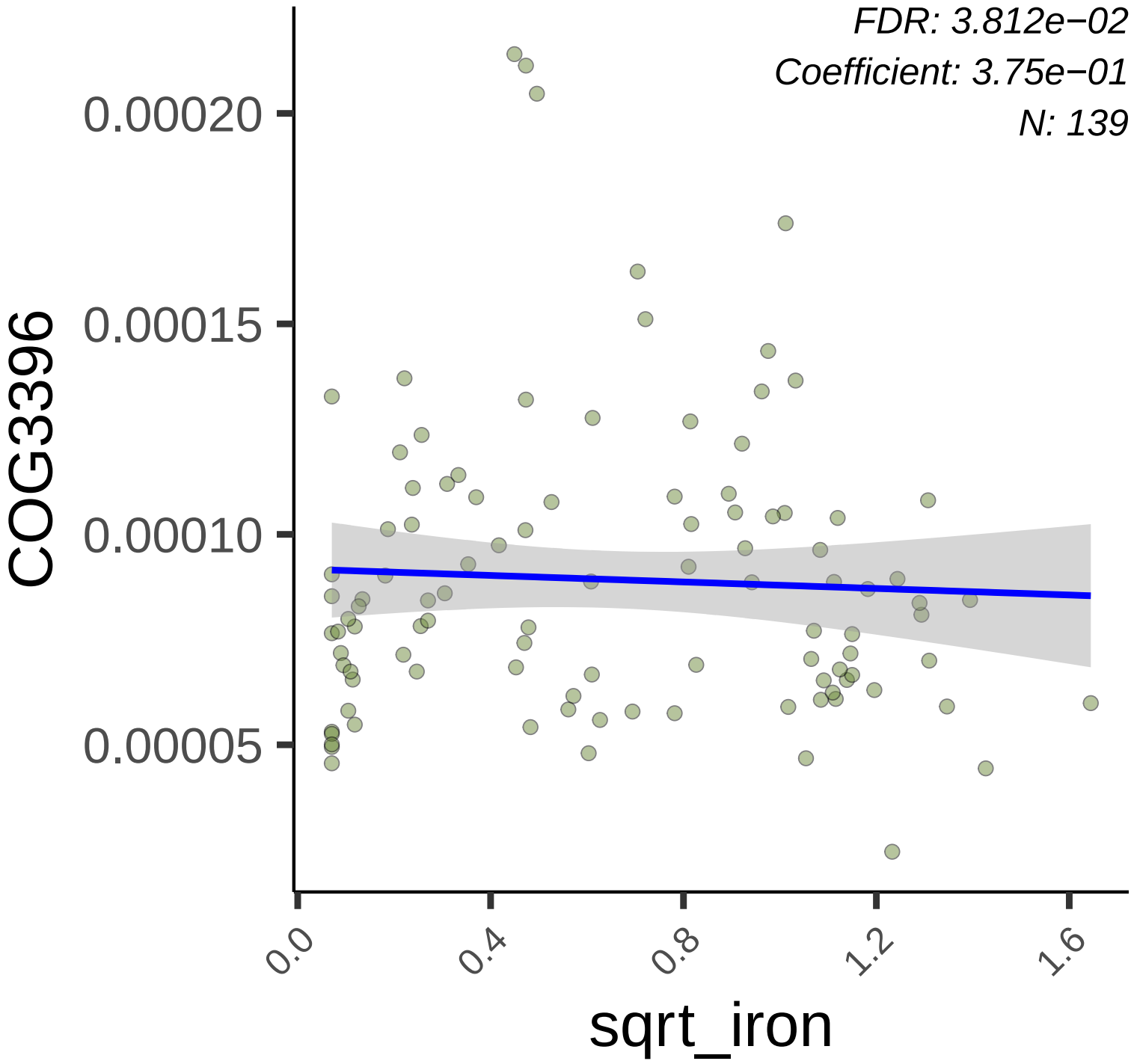
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.812e−02
Coefficient: 3.75e−01
N: 139
COG3396
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0.00010
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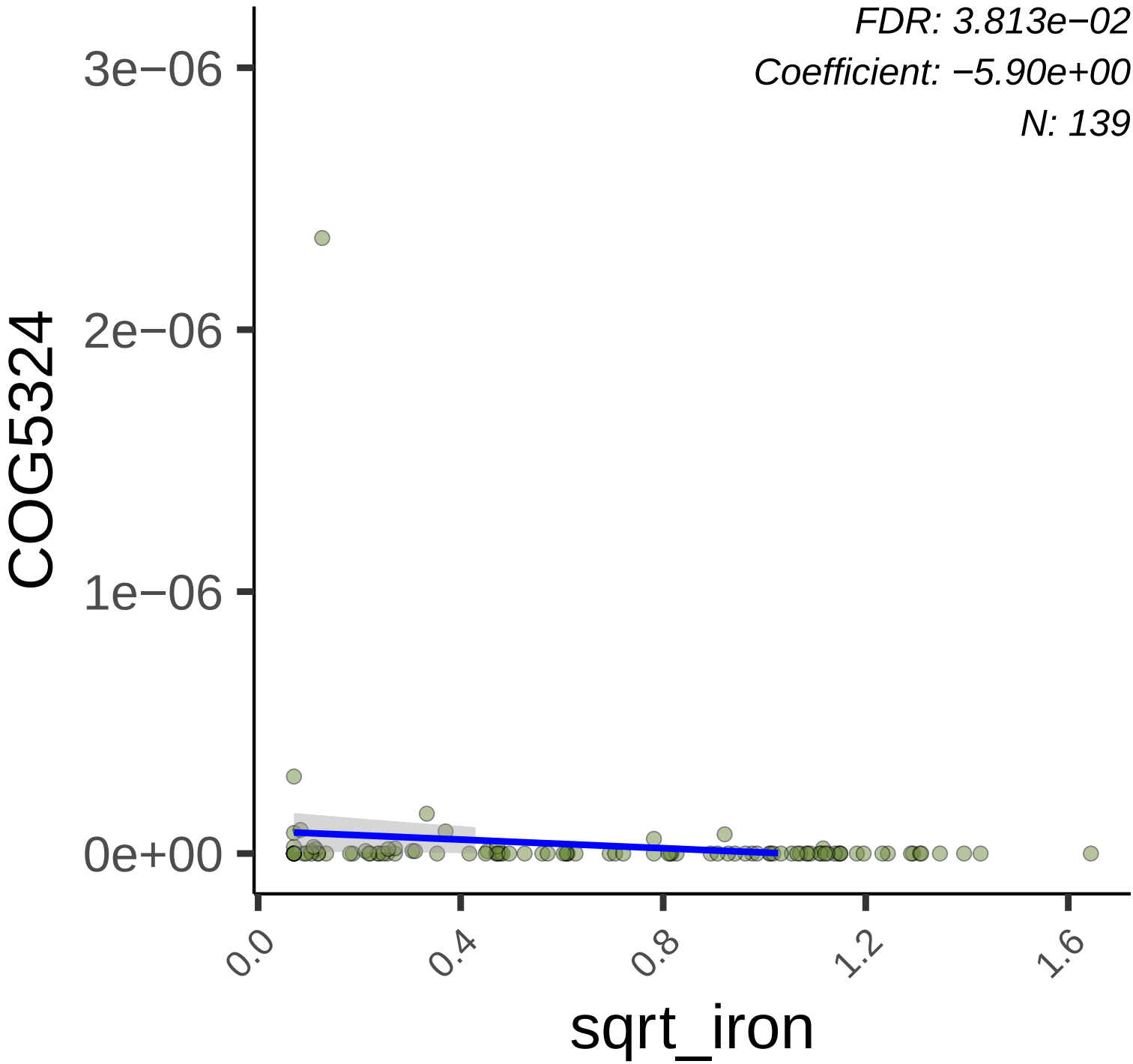
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.813e−02
Coefficient: −5.90e+00
N: 139
COG5324
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2e−06
1e−06
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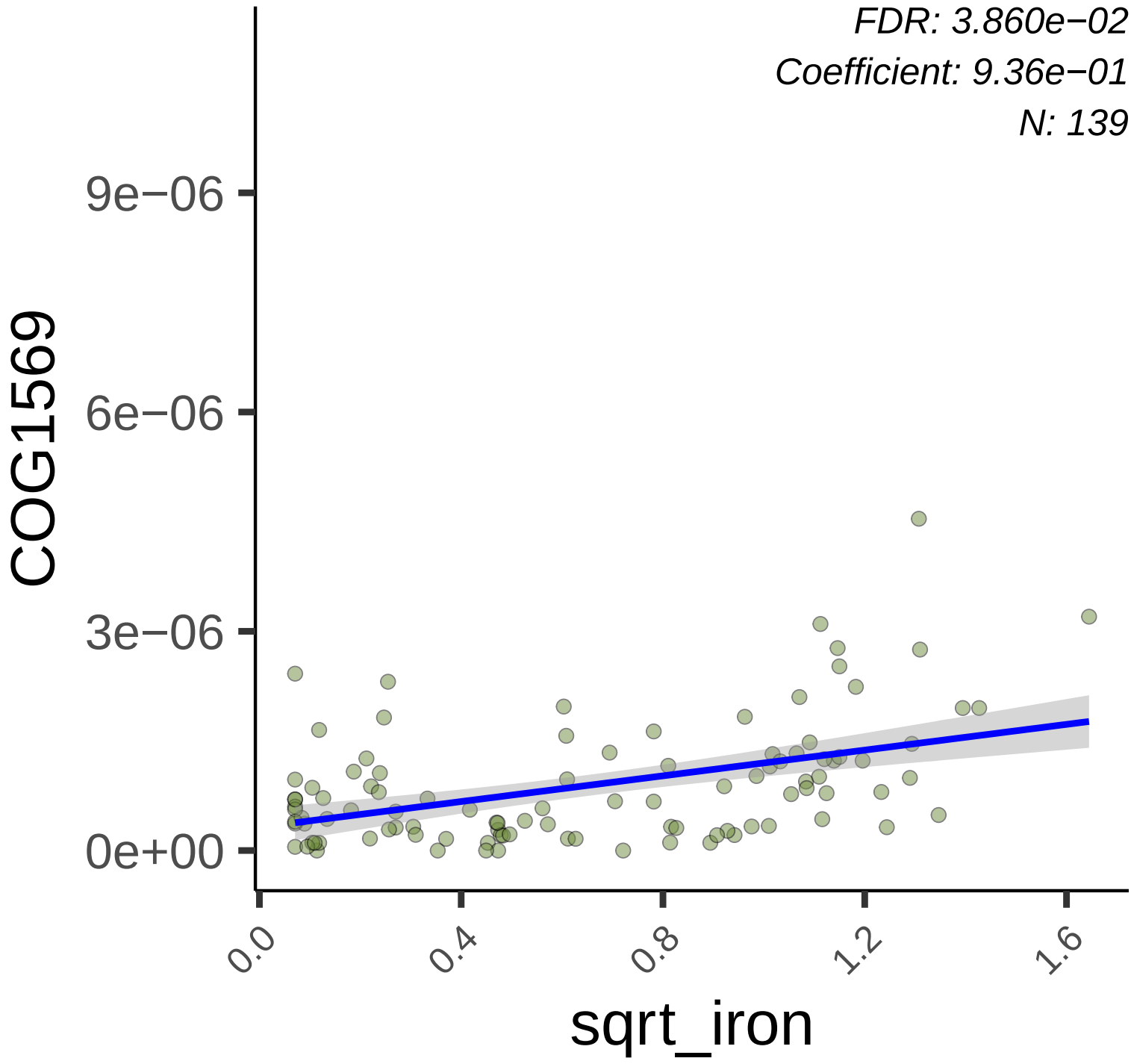
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.860e−02
Coefficient: 9.36e−01
N: 139
COG1569
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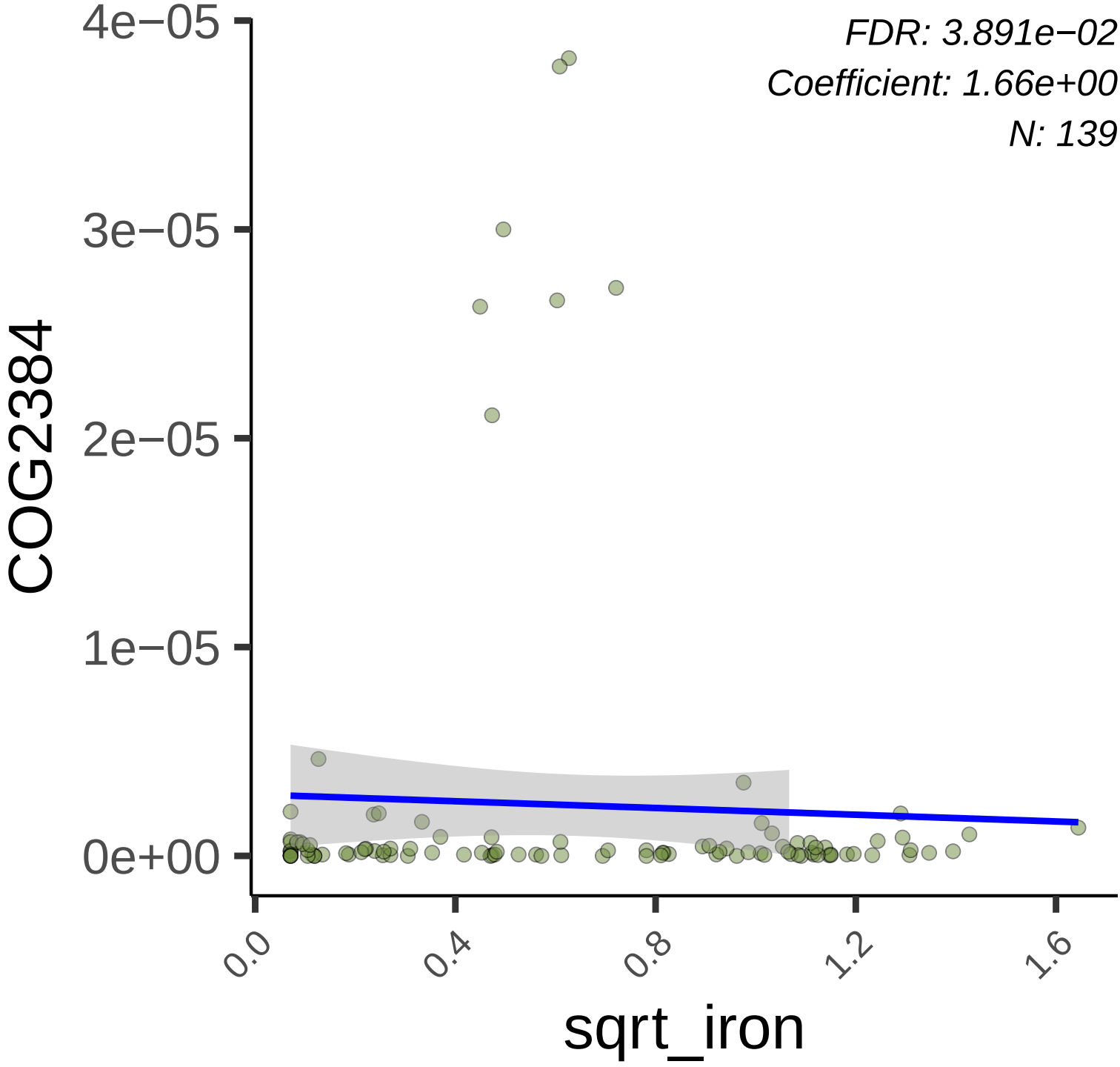
6e−06
3e−06
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.891e−02
Coefficient: 1.66e+00
N: 139
4e−05
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2e−05
1e−05
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COG2384
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0.4
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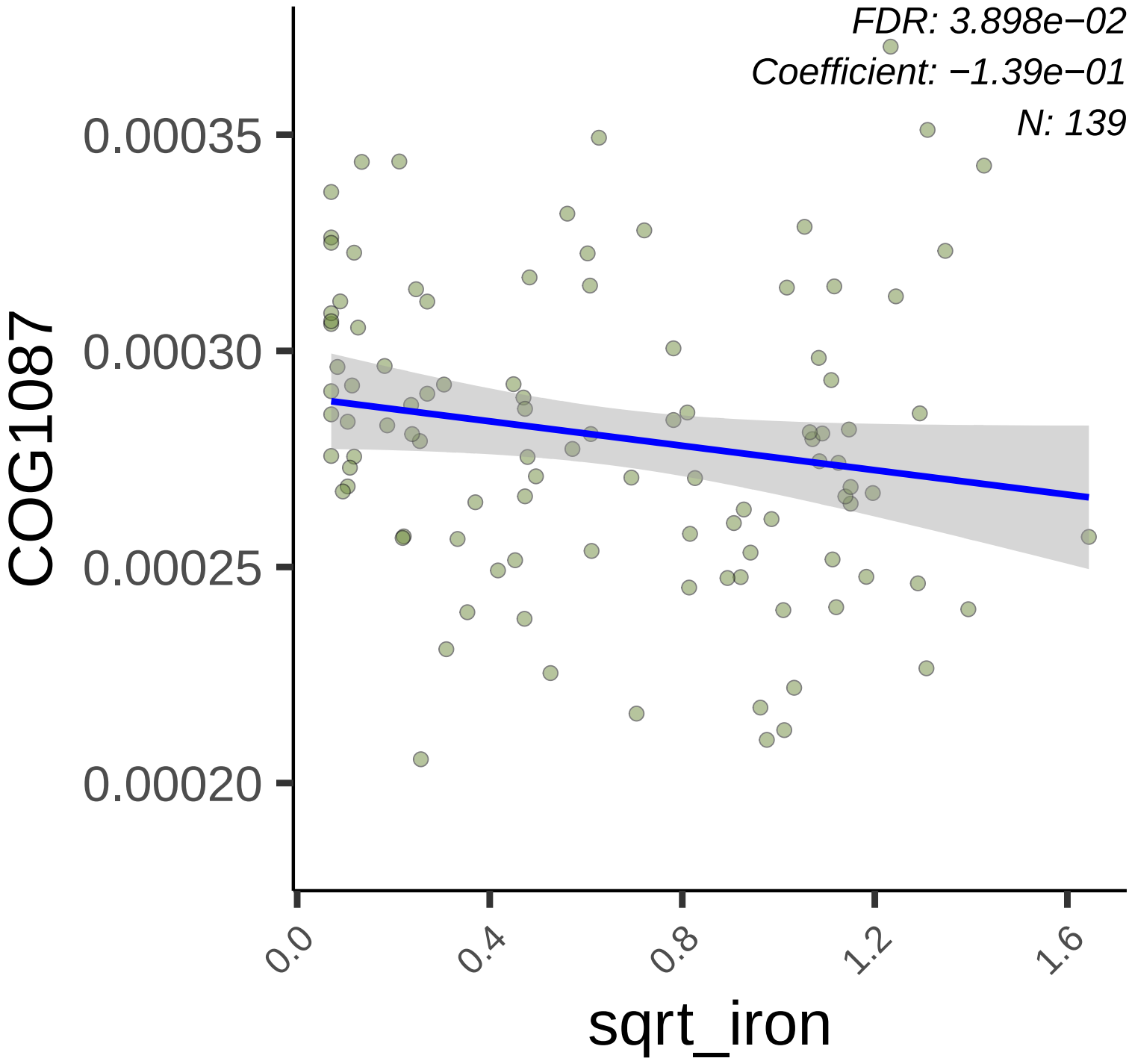
1.2
1.6
sqrt_iron


FDR: 3.898e−02
Coefficient: −1.39e−01
N: 139
COG1087
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0.4
0.8
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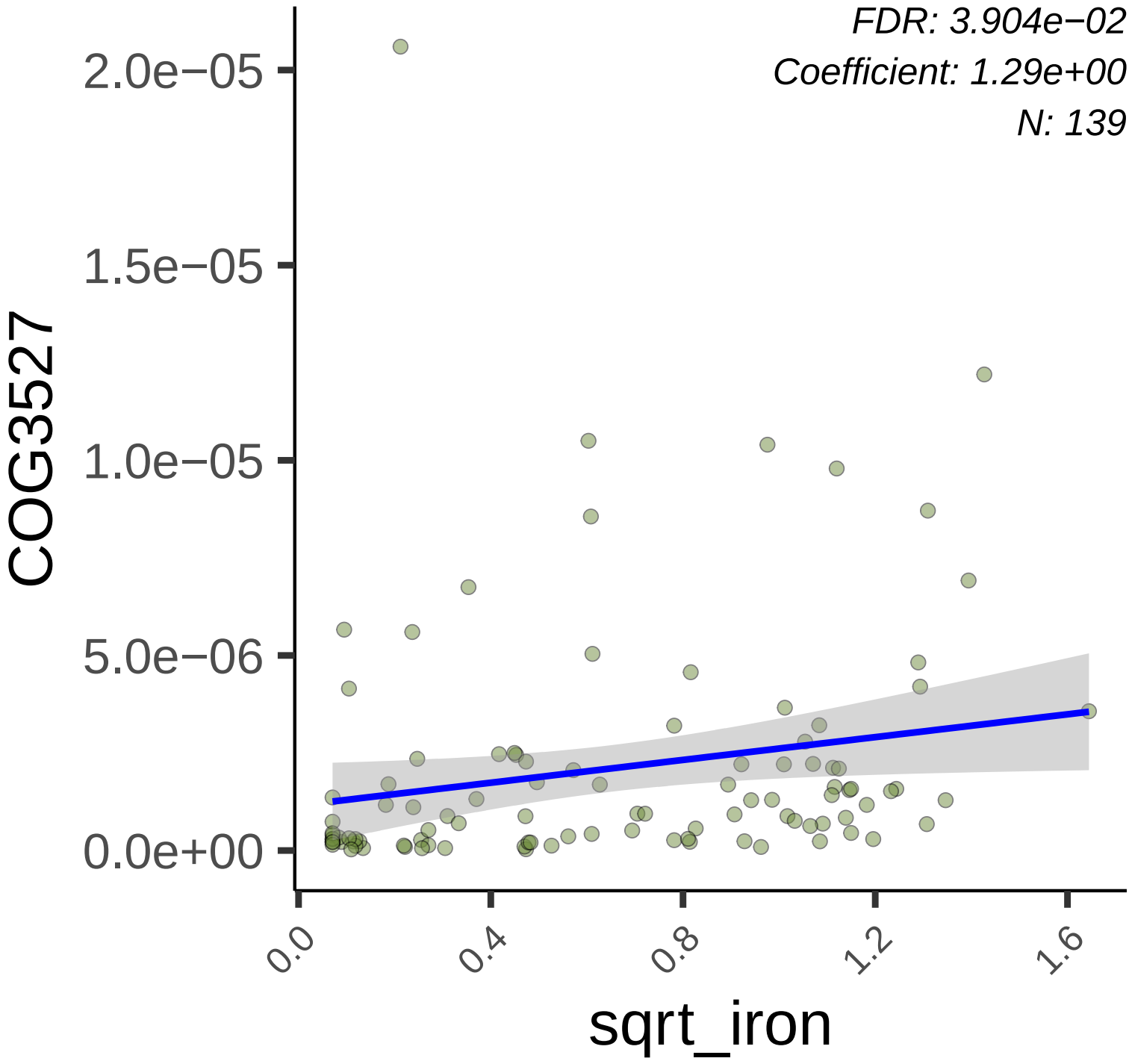
1.6
sqrt_iron


FDR: 3.904e−02
Coefficient: 1.29e+00
N: 139
2.0e−05
1.5e−05
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0.0e+00
COG3527
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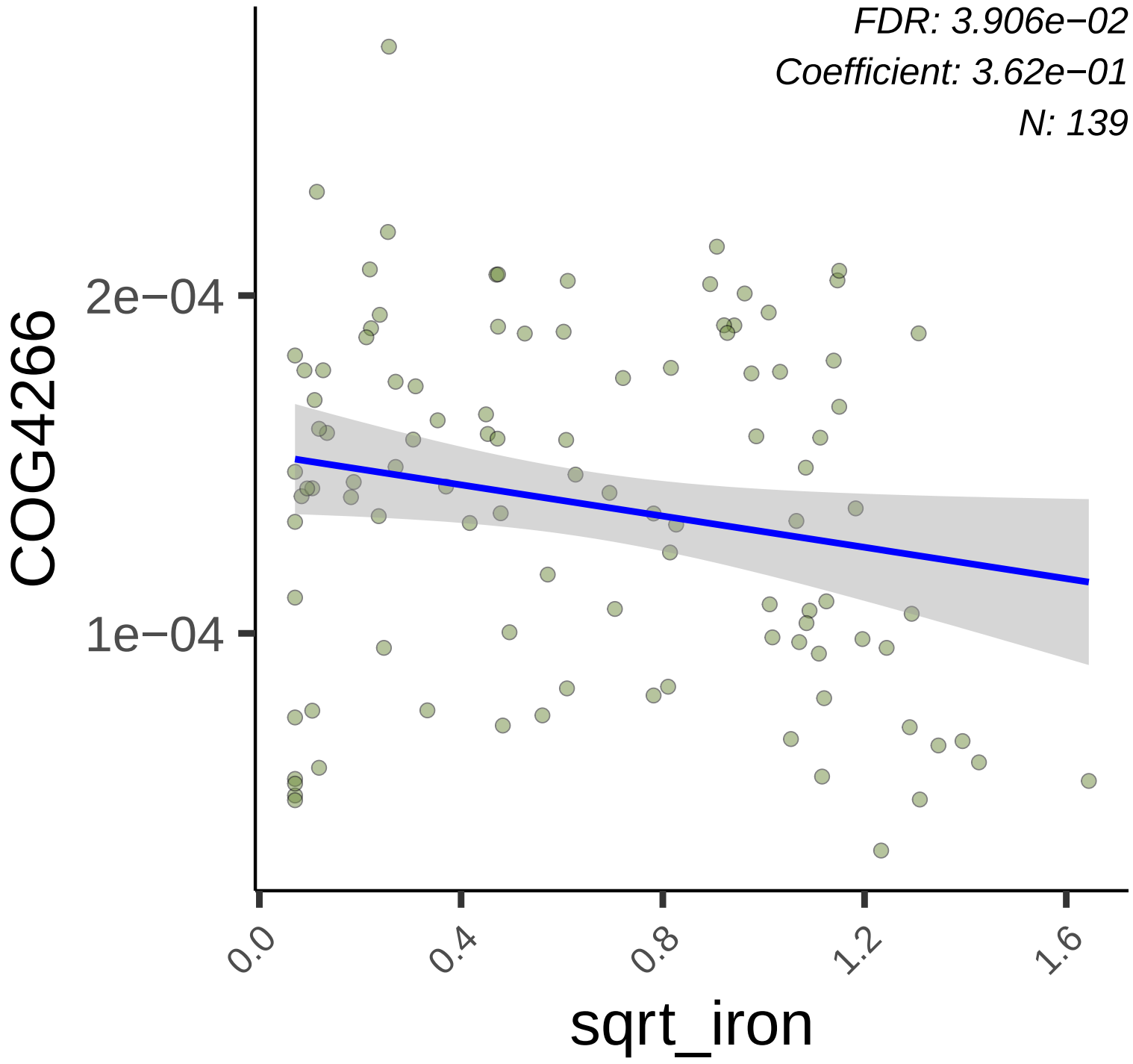
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.906e−02
Coefficient: 3.62e−01
N: 139
COG4266
2e−04
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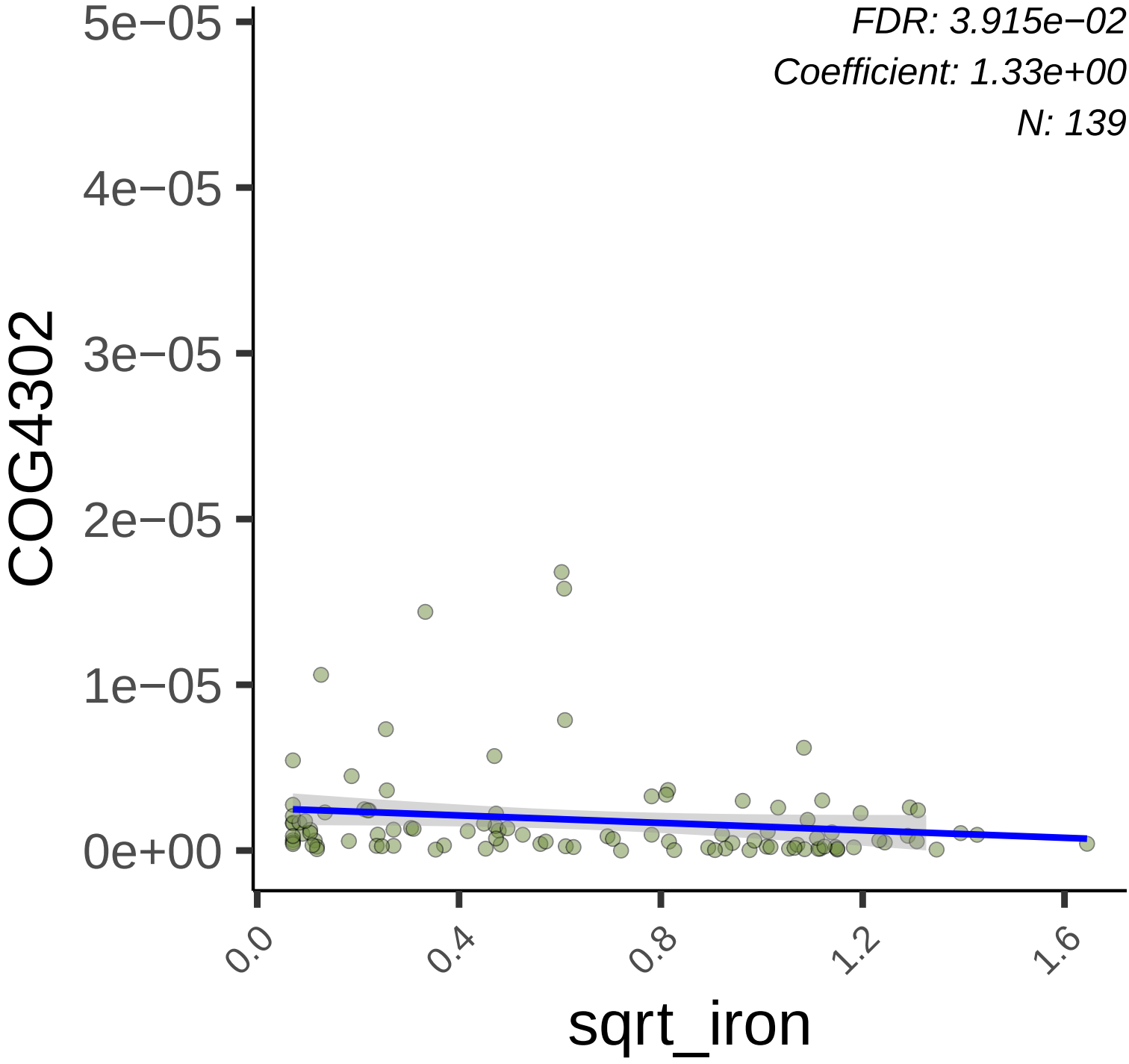
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.915e−02
Coefficient: 1.33e+00
N: 139
COG4302
5e−05
4e−05
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2e−05
1e−05
0e+00
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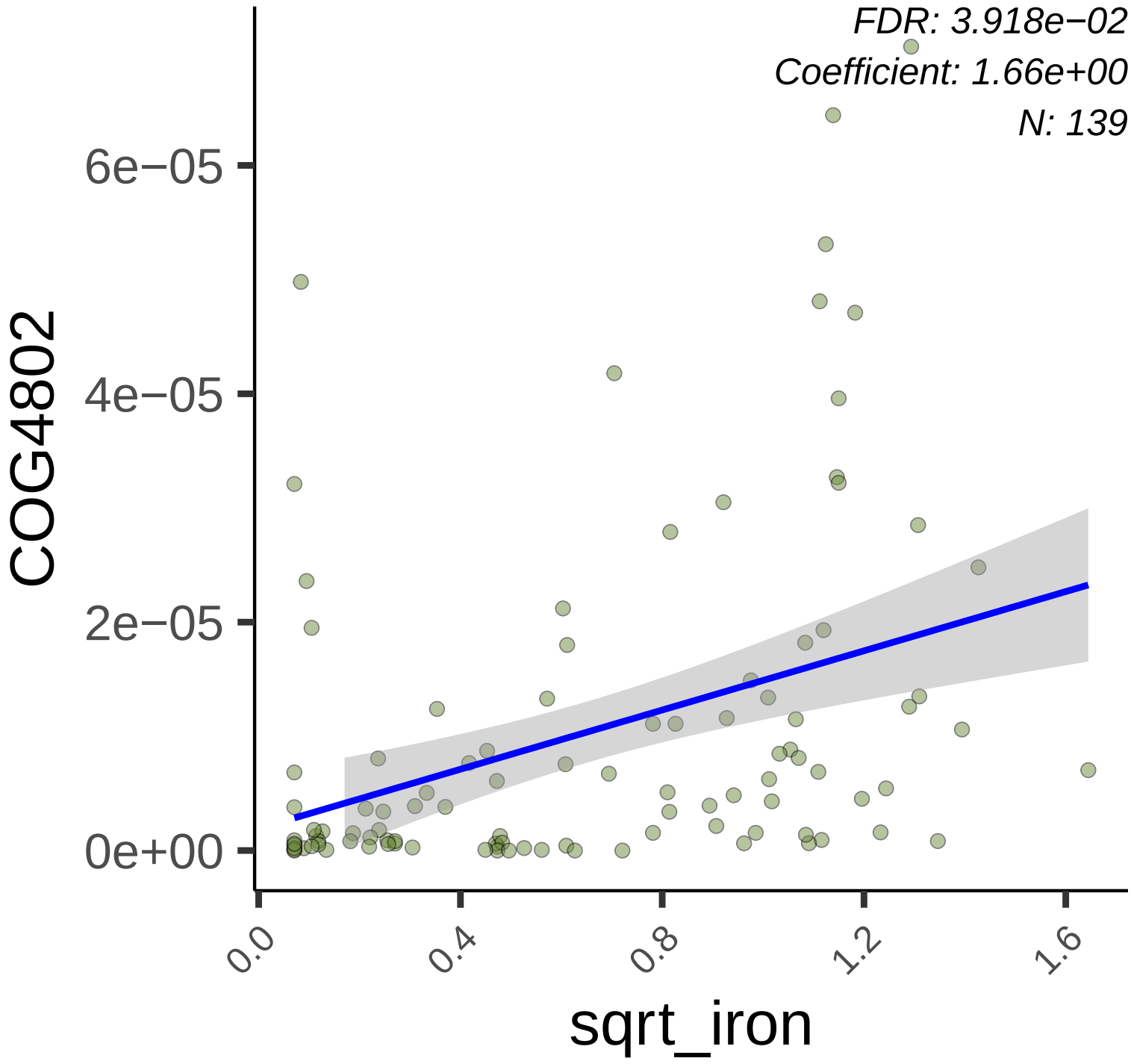
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.918e−02
Coefficient: 1.66e+00
N: 139
COG4802
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0.4
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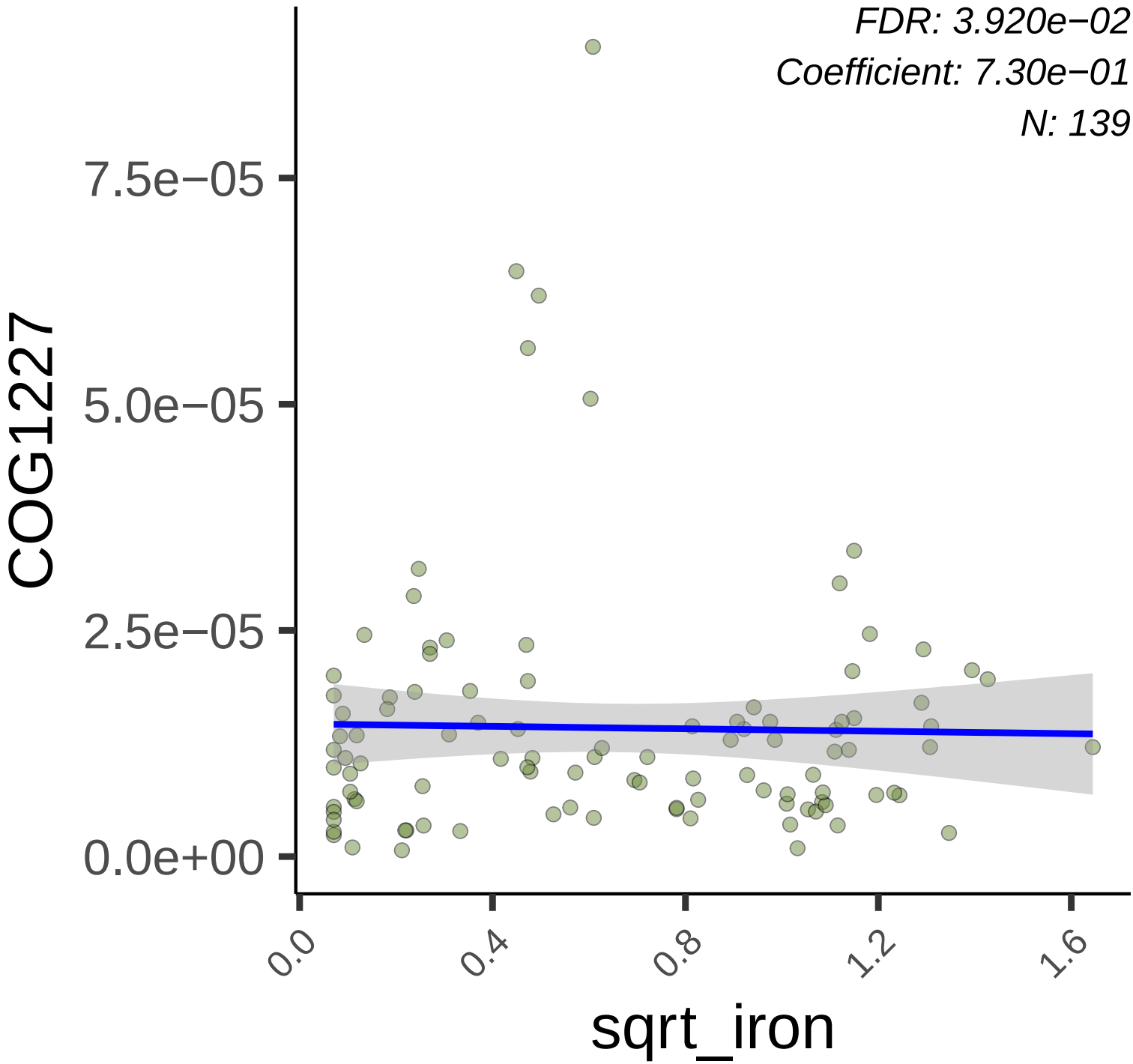
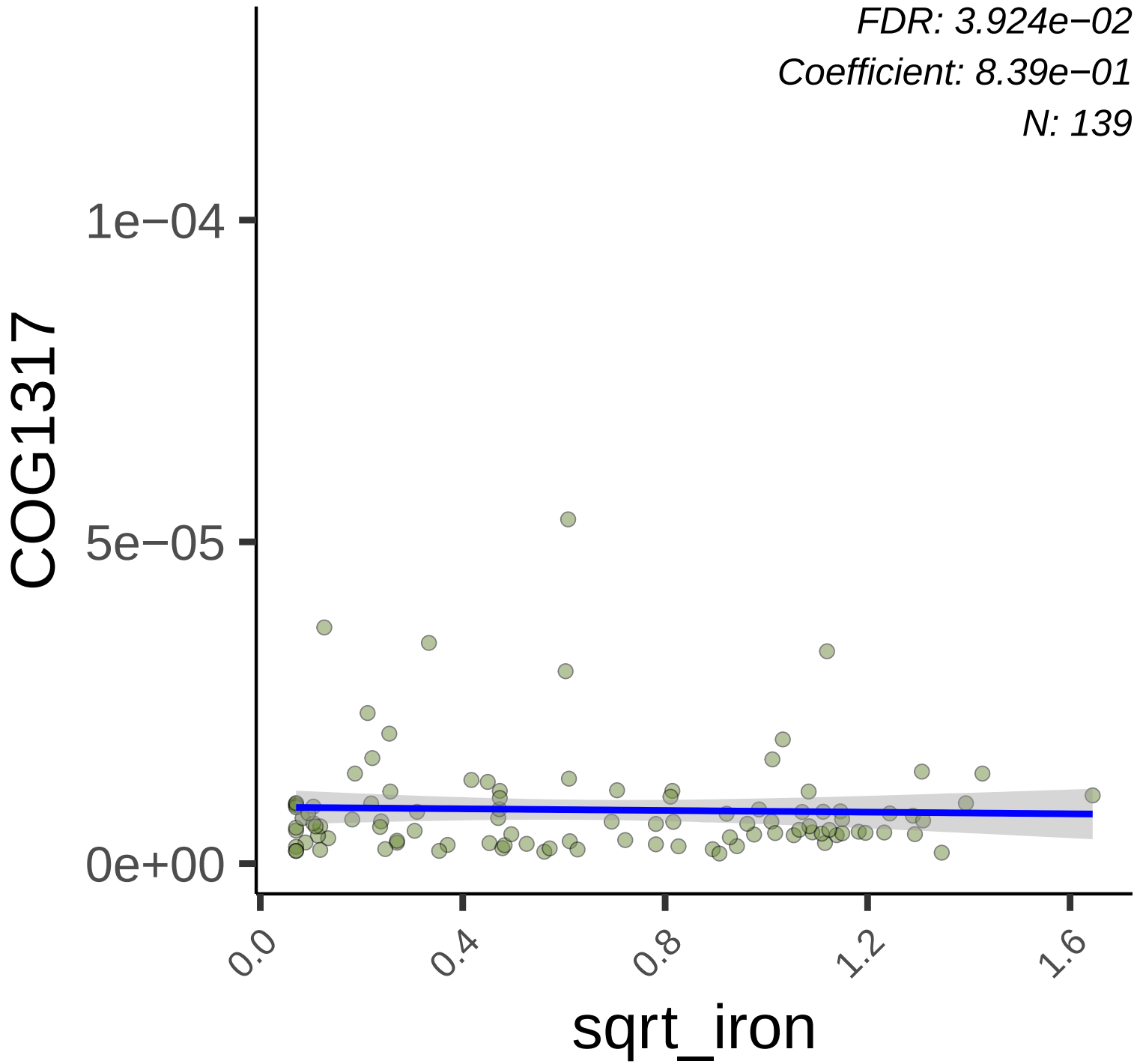
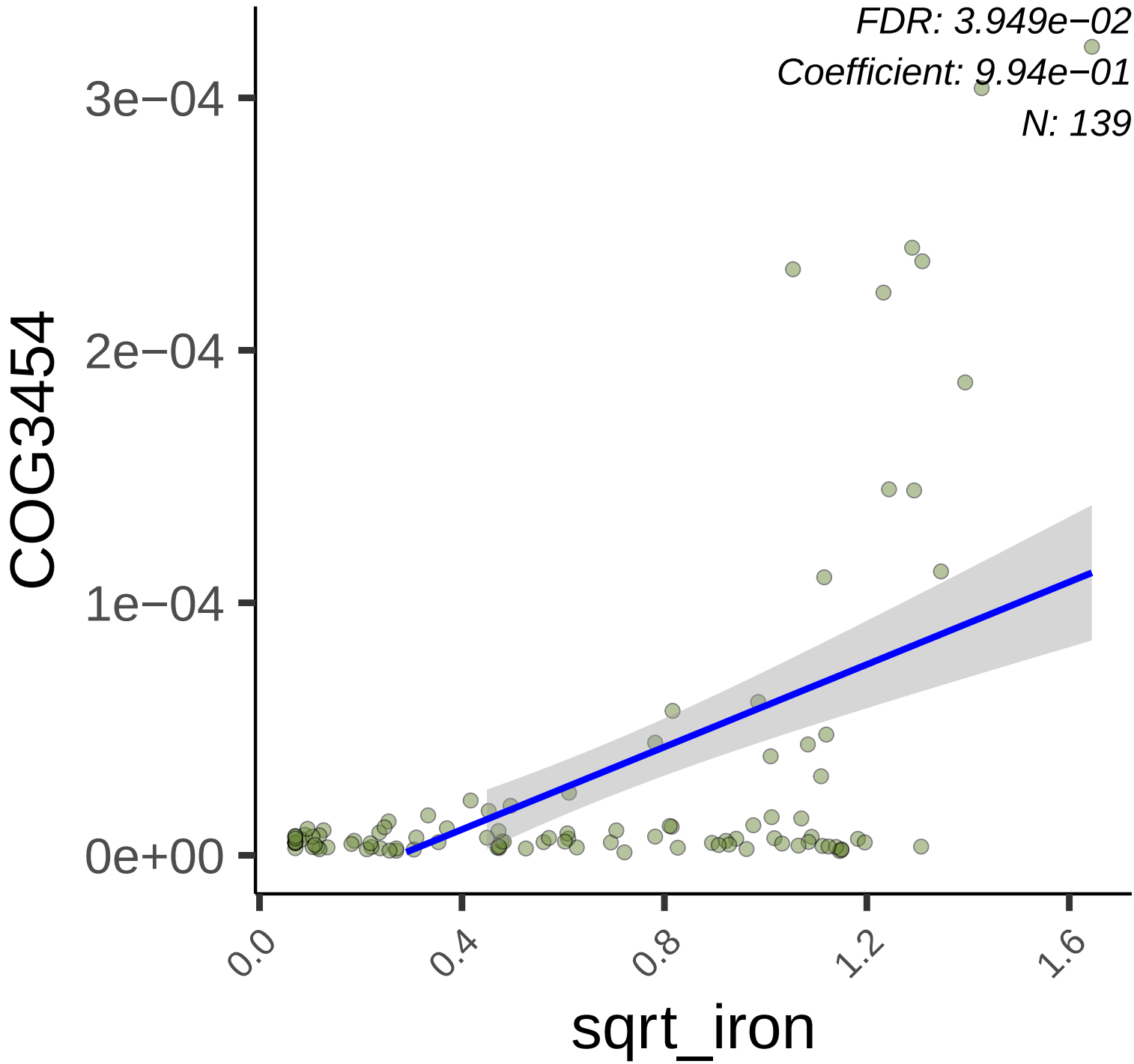
1.2
1.6
sqrt_iron


FDR: 3.920e−02
Coefficient: 7.30e−01
N: 139
COG1227
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: 3.924e−02
Coefficient: 8.39e−01
N: 139
COG1317
1e−04
5e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.949e−02
Coefficient: 9.94e−01
N: 139
COG3454
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2e−04
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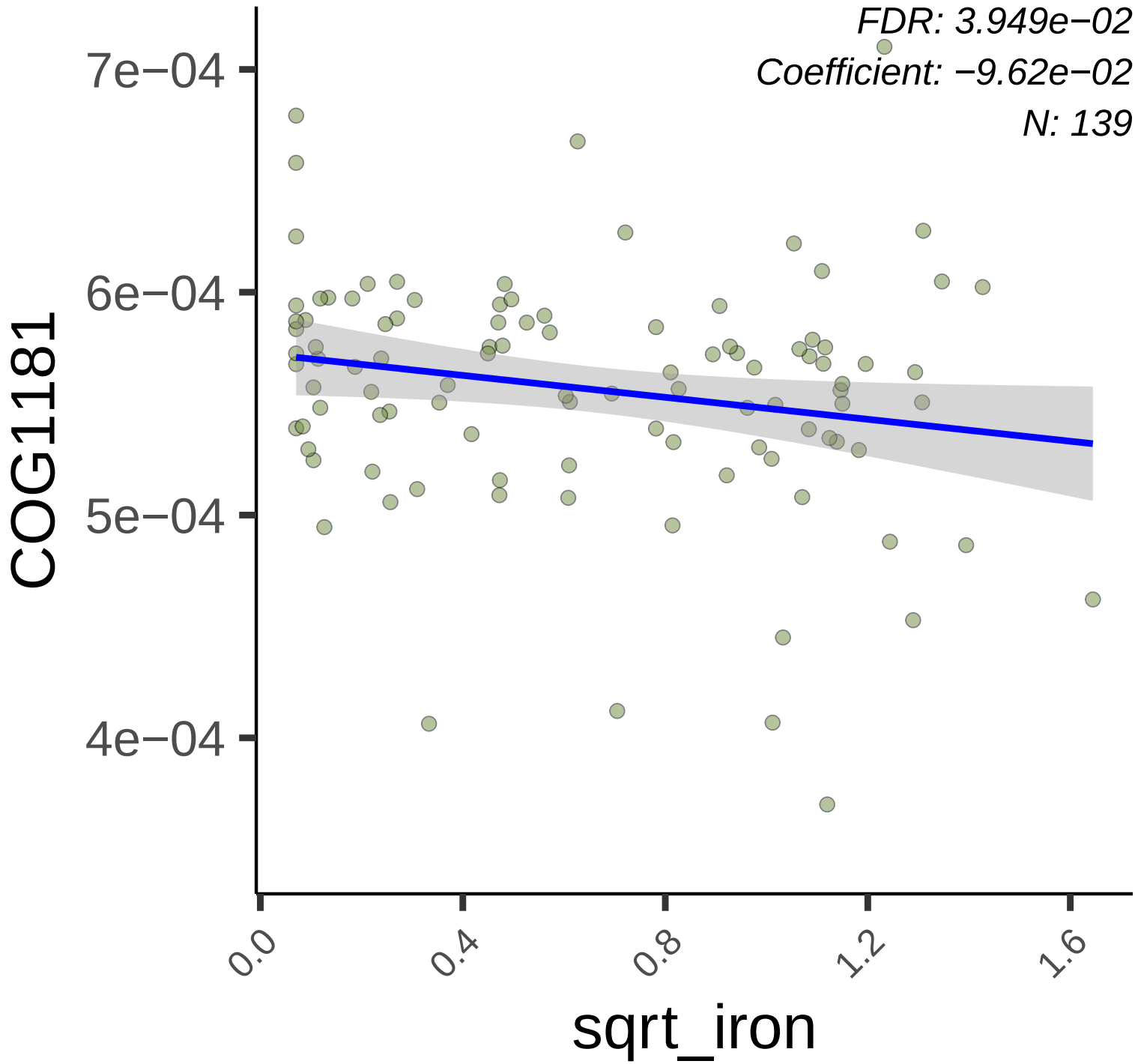
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.949e−02
Coefficient: −9.62e−02
N: 139
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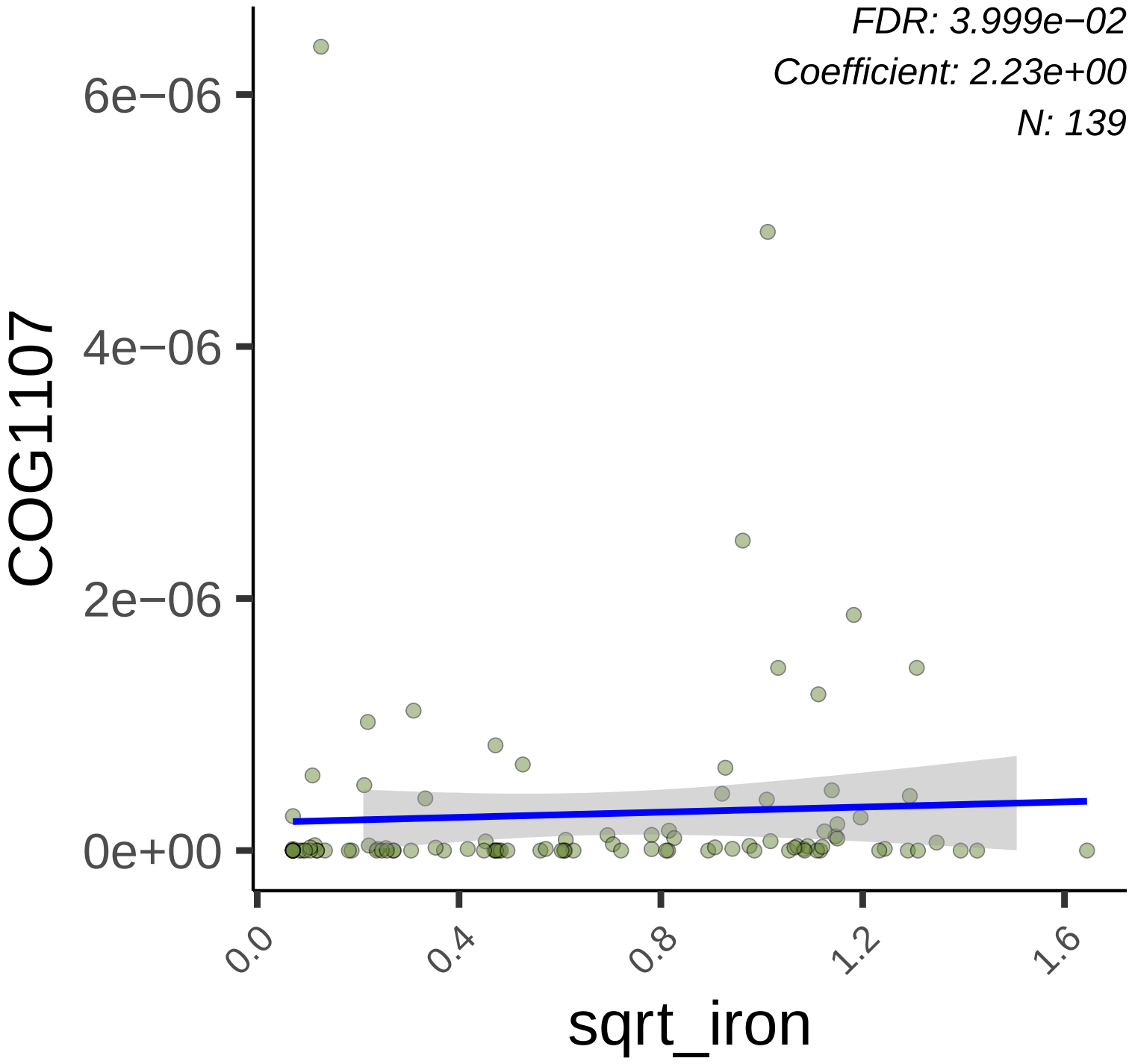
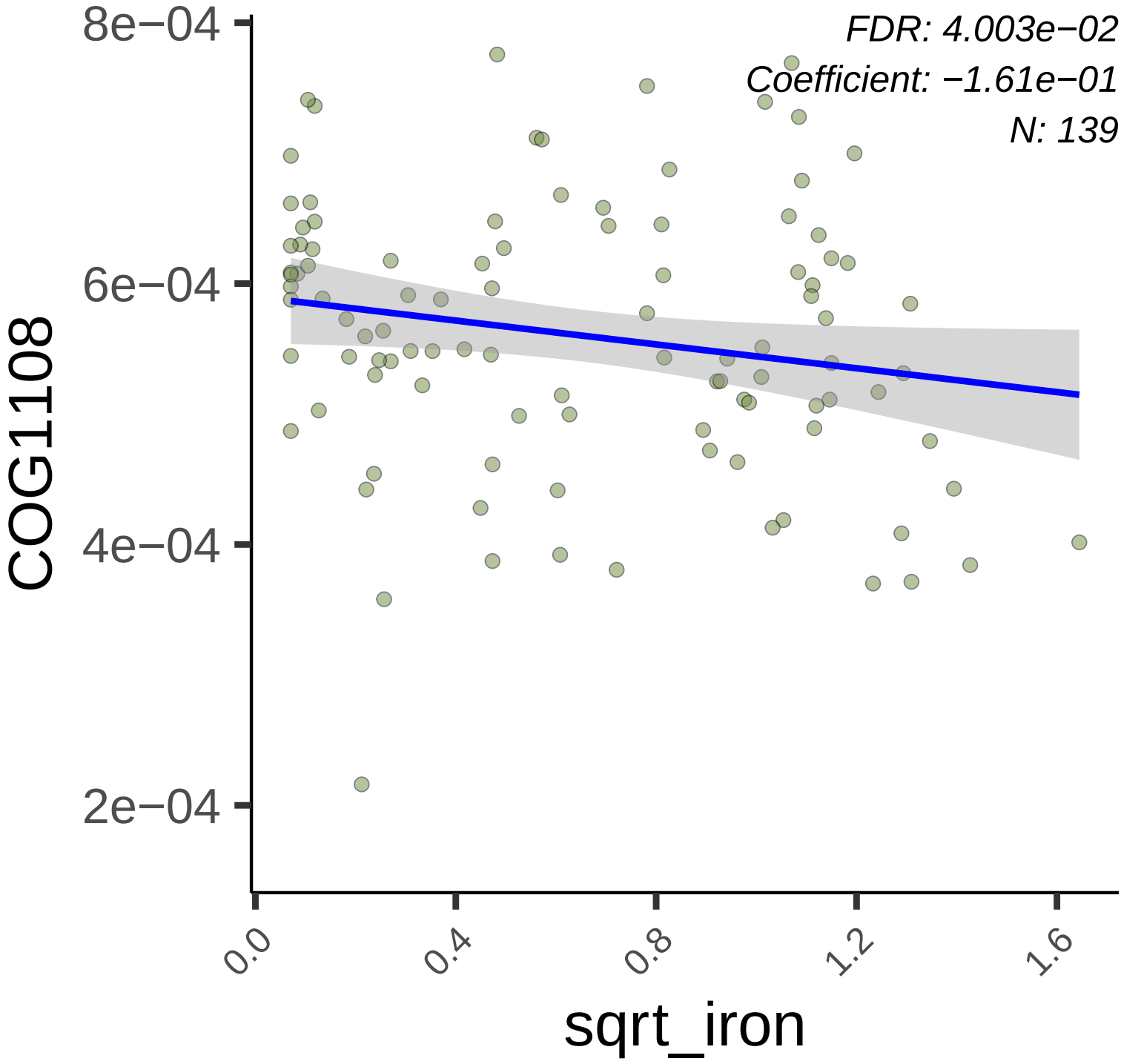
6e−04
5e−04
4e−04
COG1181
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 3.999e−02
Coefficient: 2.23e+00
N: 139
COG1107
6e−06
4e−06
2e−06
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.003e−02
Coefficient: −1.61e−01
N: 139
8e−04
6e−04
4e−04
2e−04
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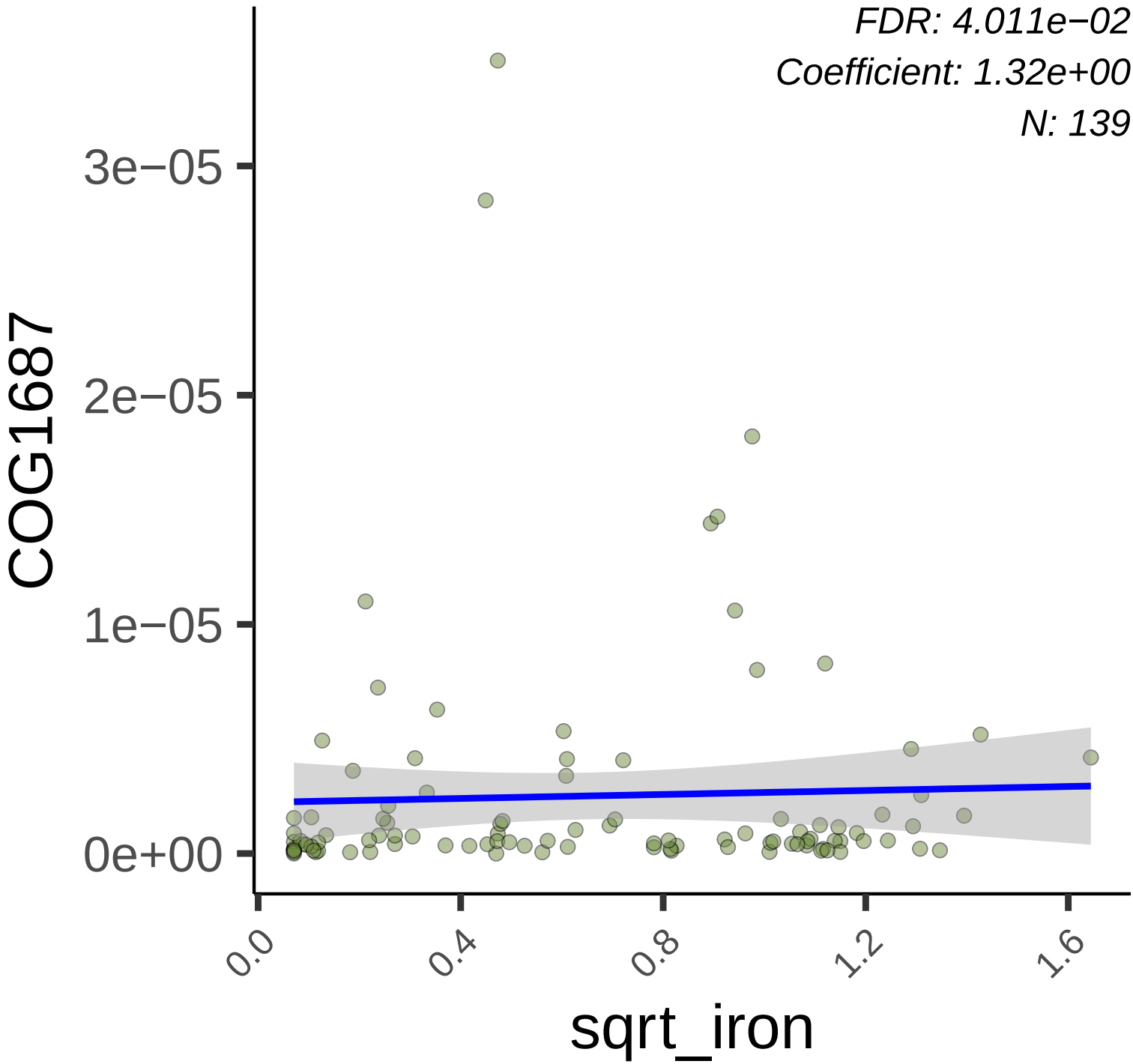
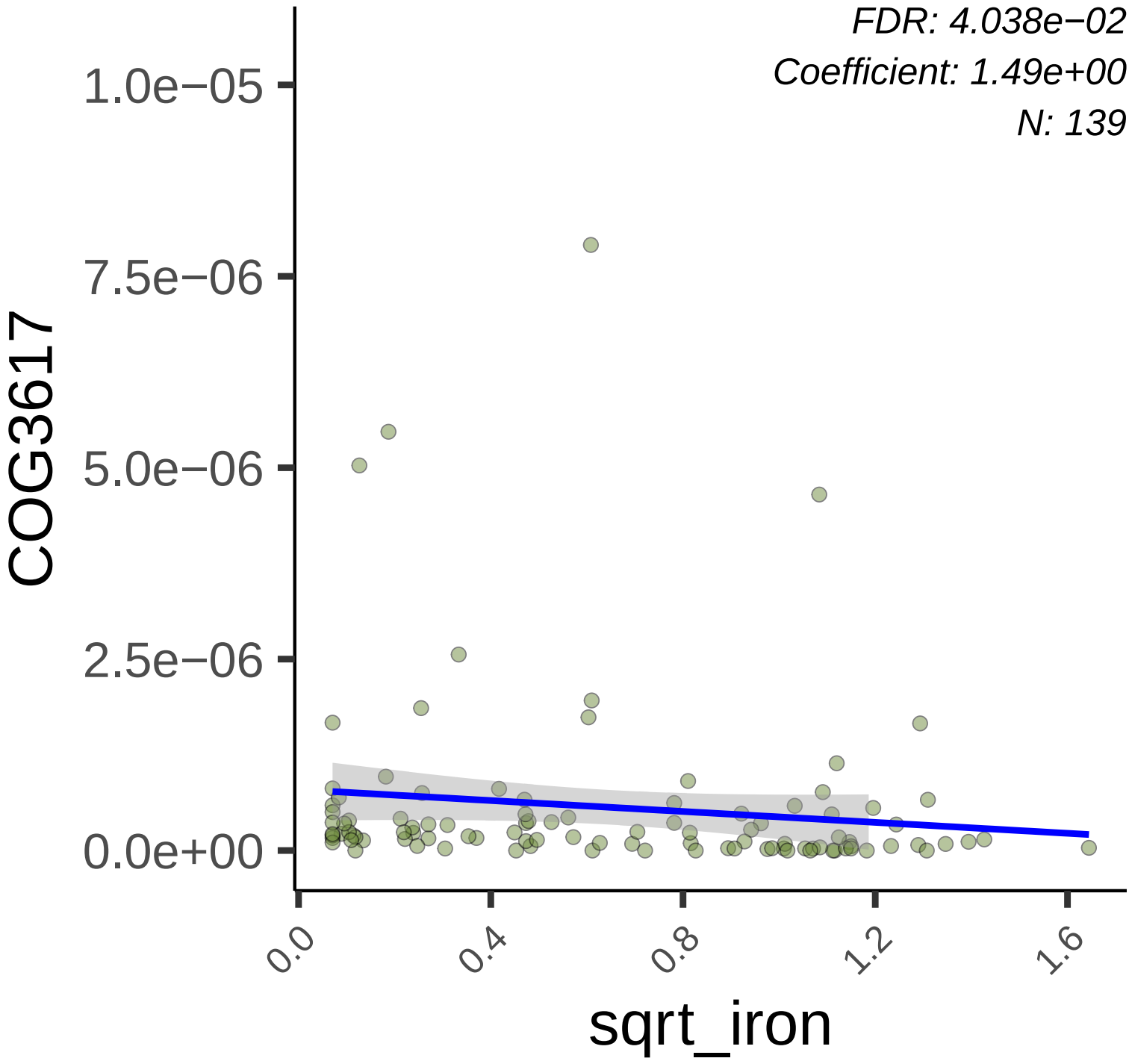
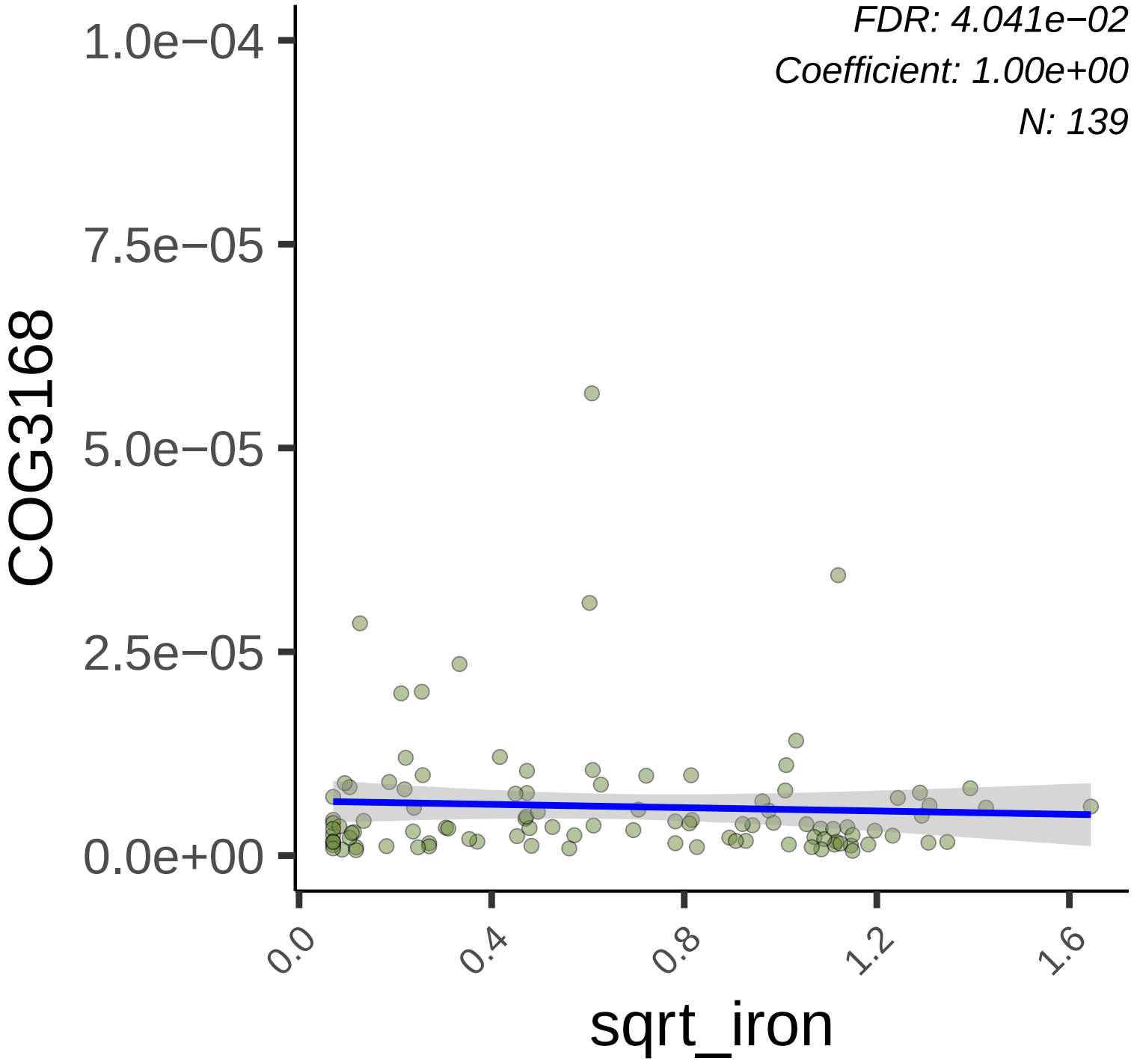
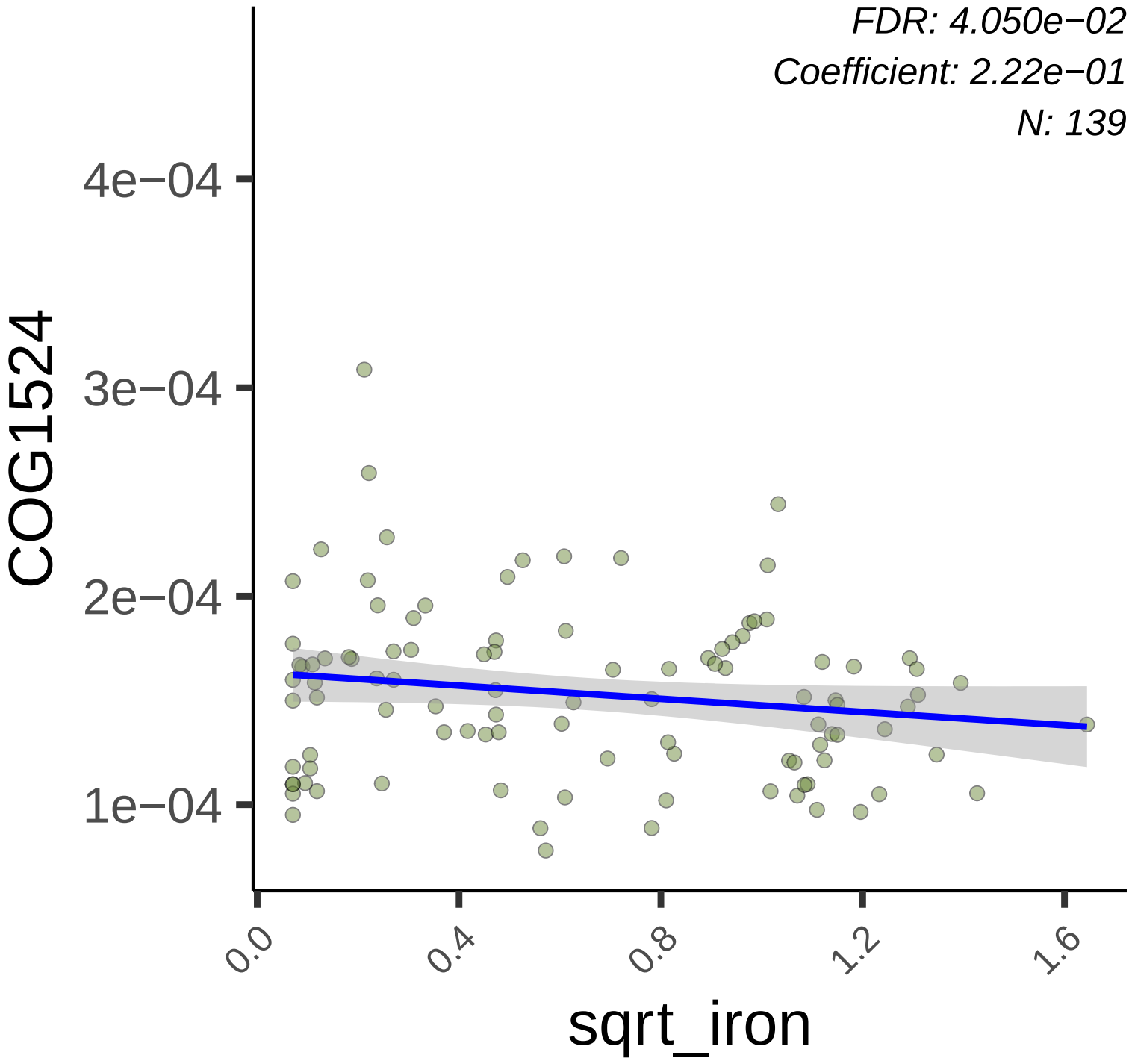
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.011e−02
Coefficient: 1.32e+00
N: 139
COG1687
3e−05
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.038e−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: 4.041e−02
Coefficient: 1.00e+00
N: 139
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG3168
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.050e−02
Coefficient: 2.22e−01
N: 139
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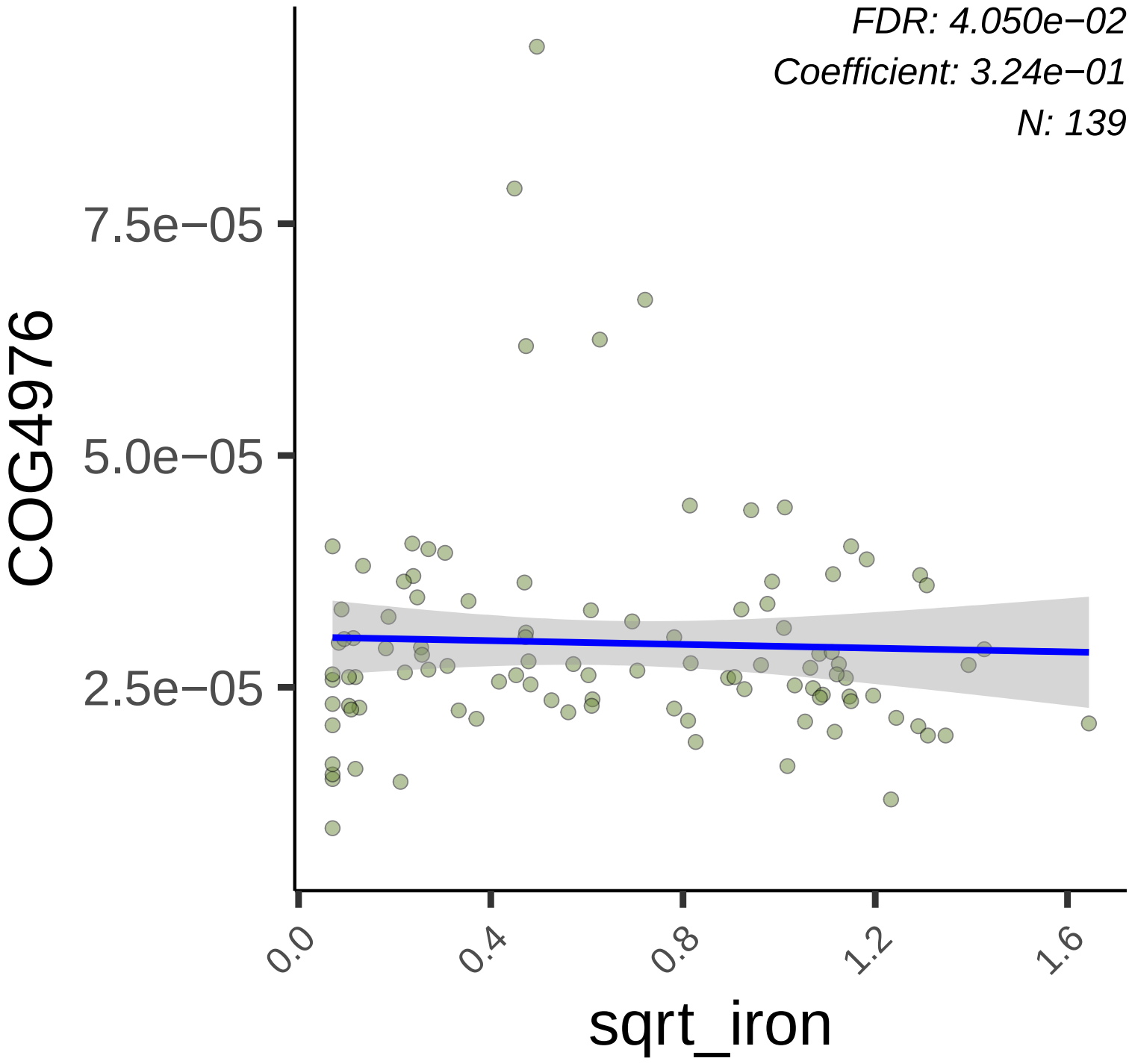
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.050e−02
Coefficient: 3.24e−01
N: 139
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5.0e−05
2.5e−05
COG4976
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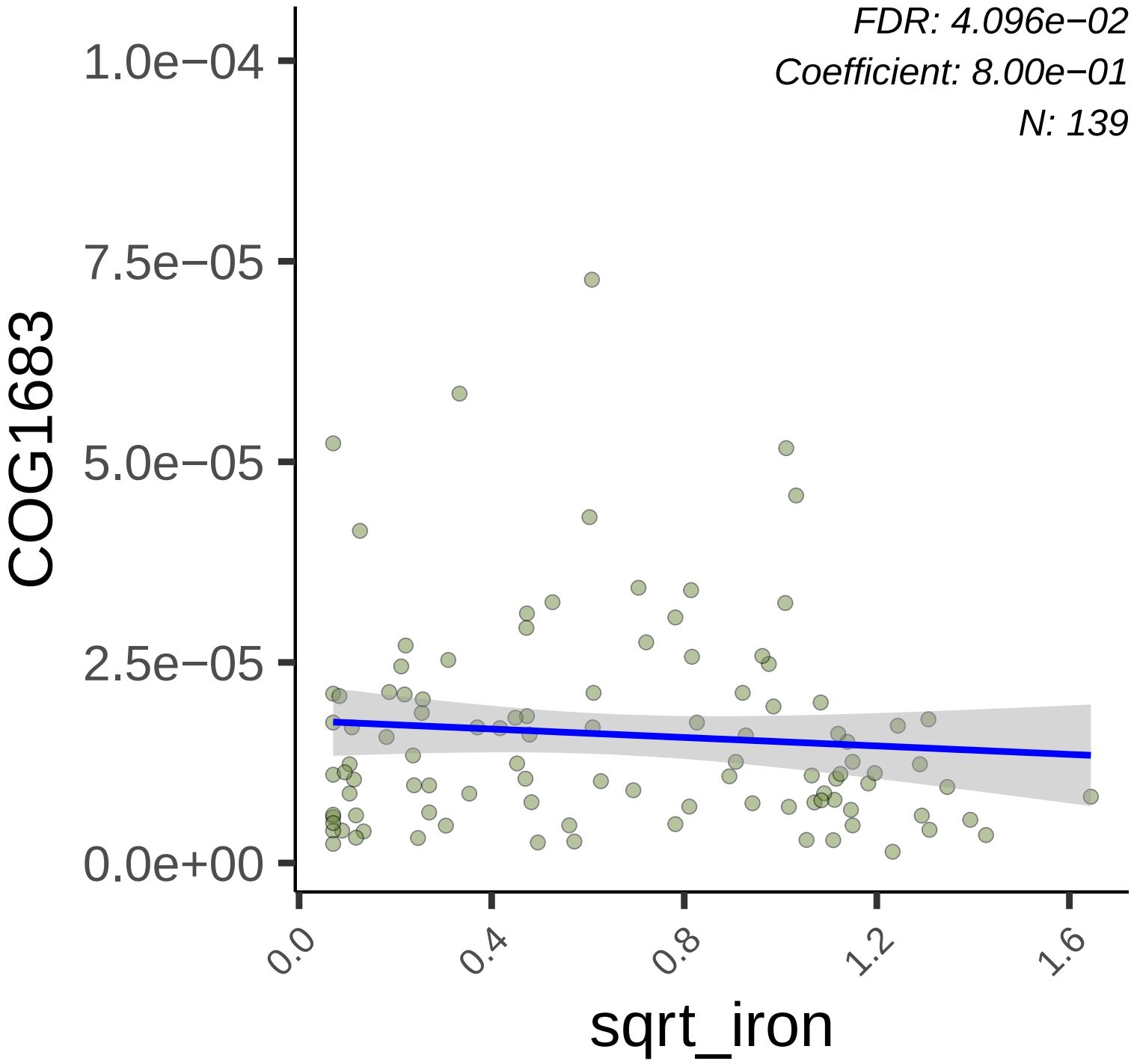
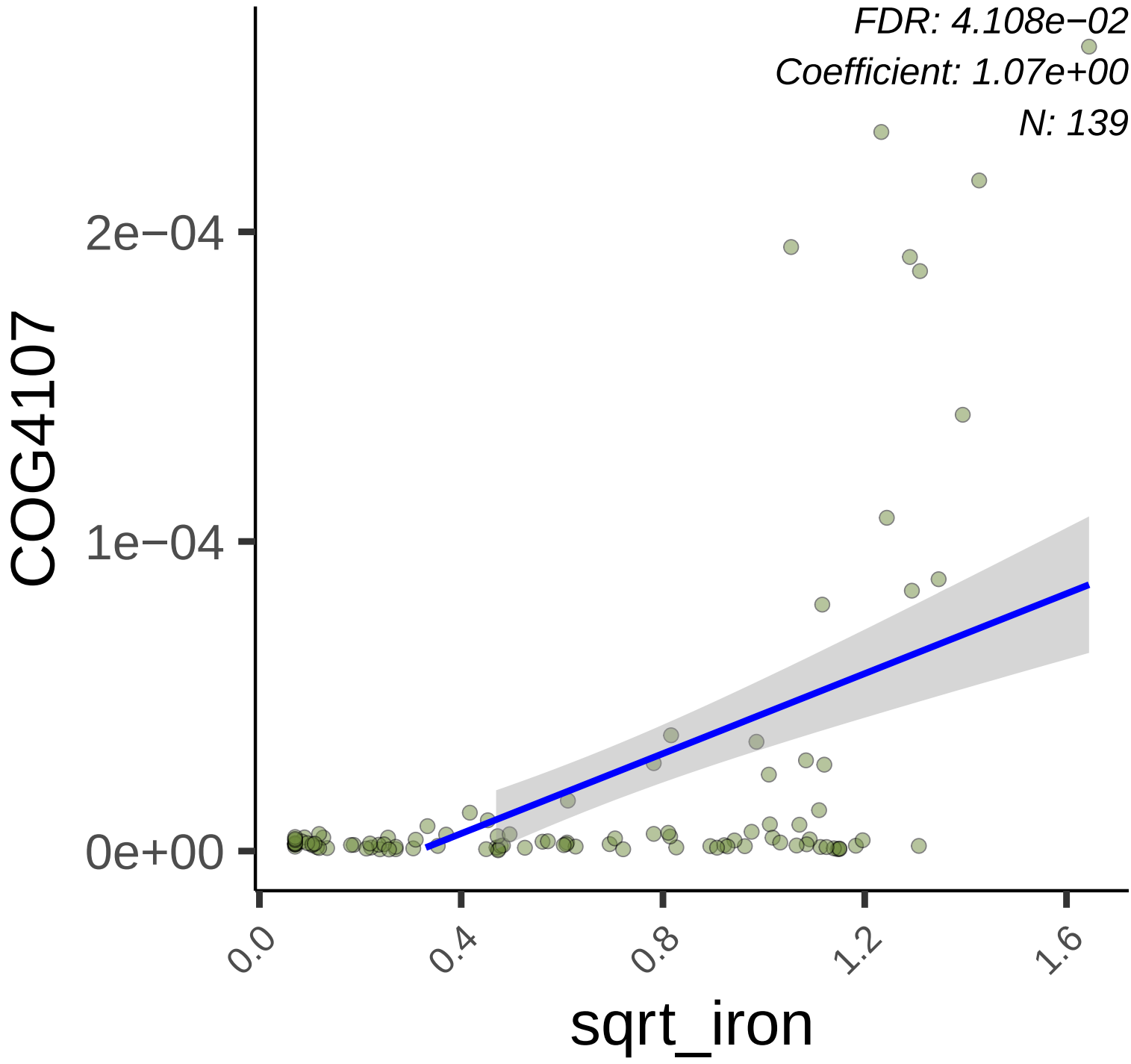
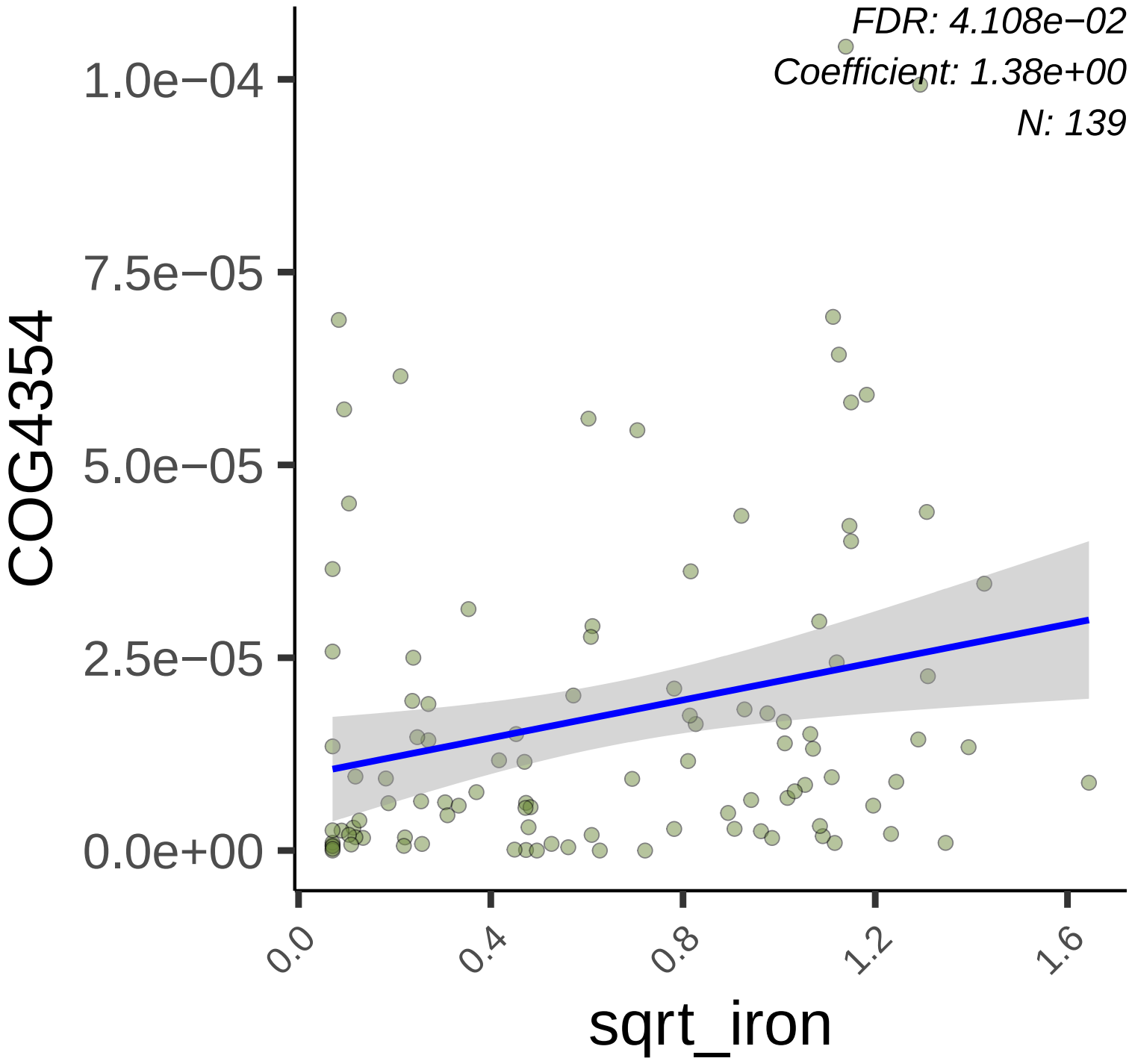
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.096e−02
Coefficient: 8.00e−01
N: 139
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG1683
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.108e−02
Coefficient: 1.07e+00
N: 139
COG4107
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.108e−02
Coefficient: 1.38e+00
N: 139
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7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG4354
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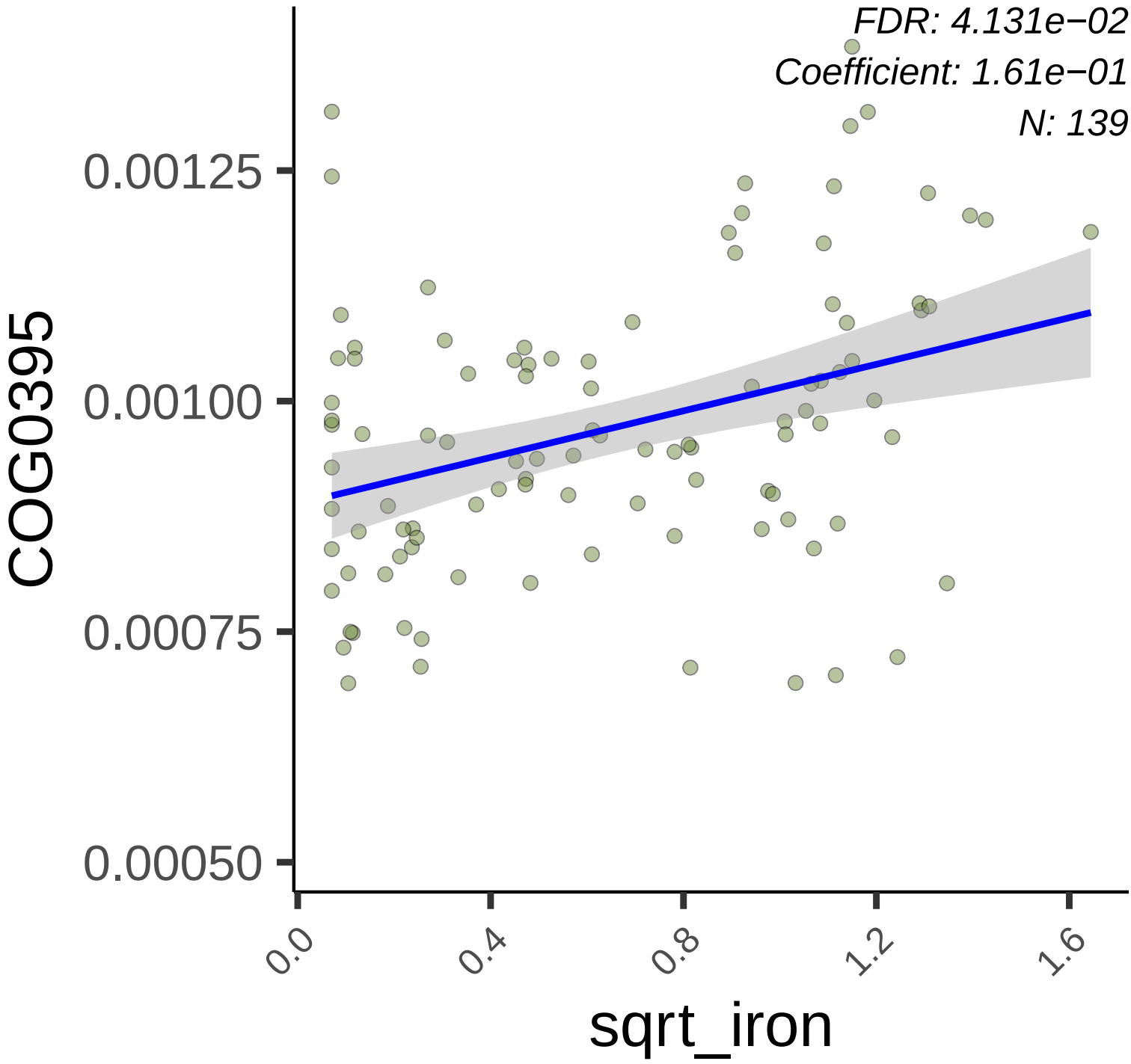
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.131e−02
Coefficient: 1.61e−01
N: 139
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0.00075
0.00050
COG0395
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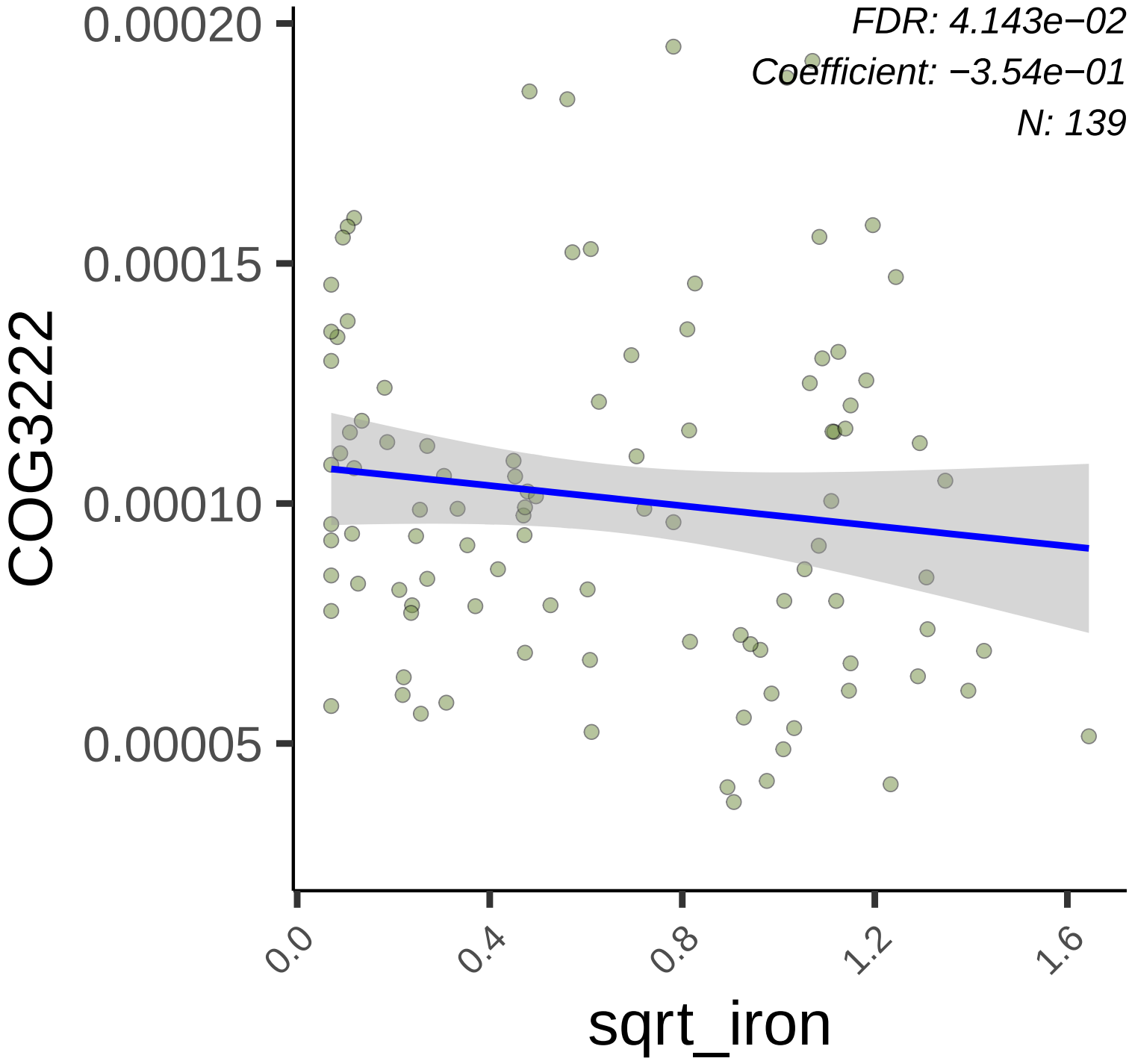
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.143e−02
Coefficient: −3.54e−01
N: 139
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0.00005
COG3222
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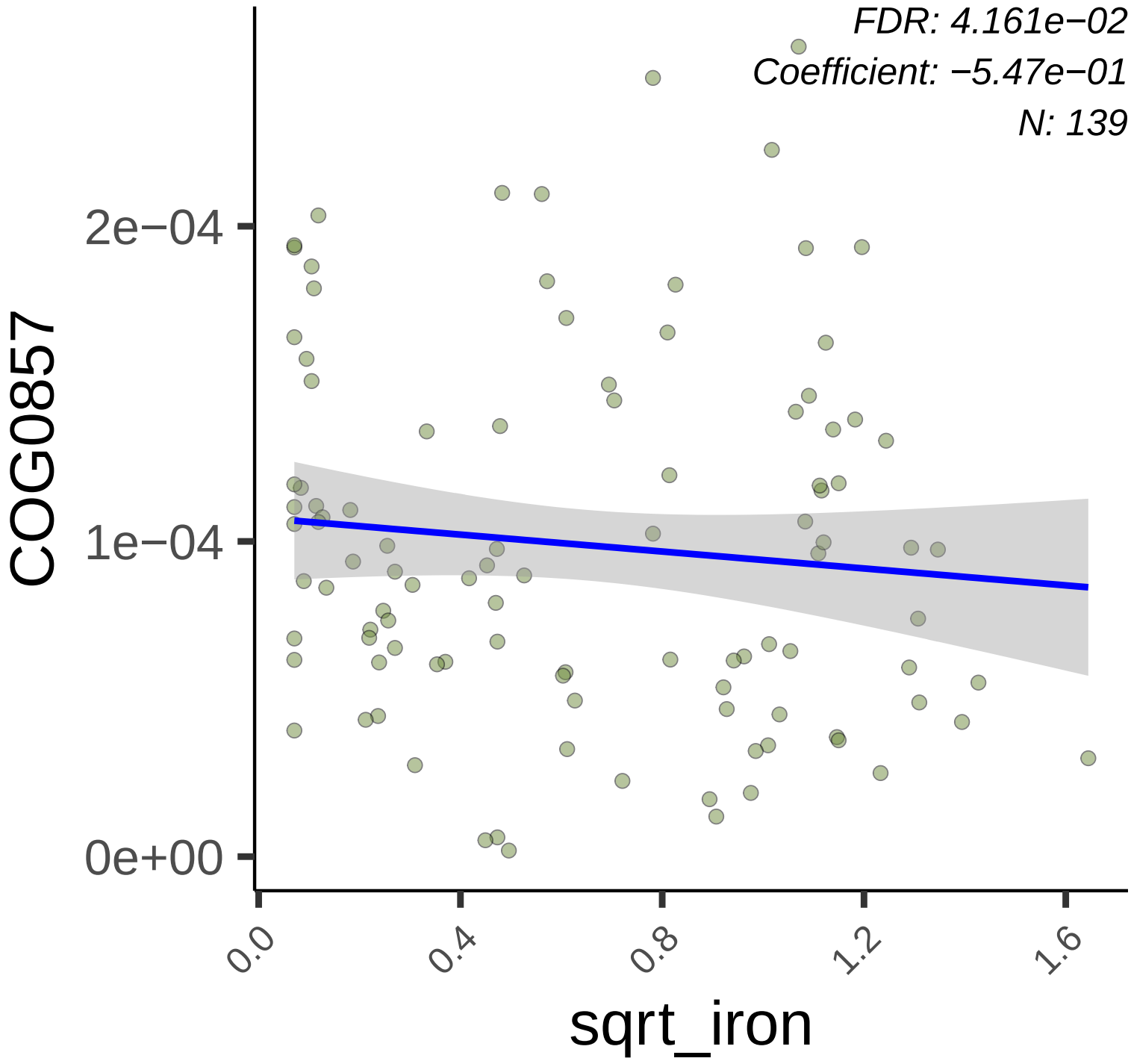
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.161e−02
Coefficient: −5.47e−01
N: 139
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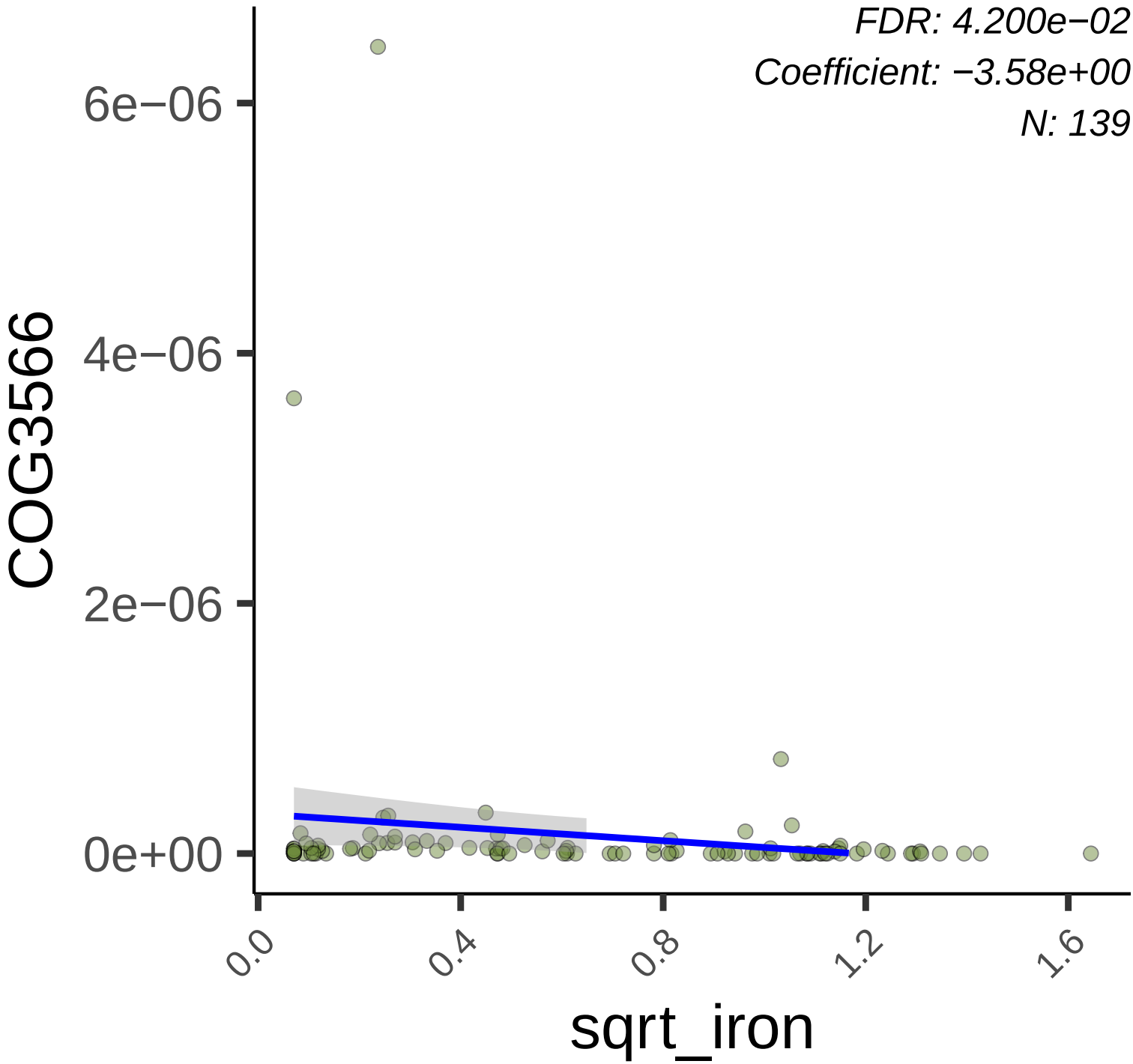
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.200e−02
Coefficient: −3.58e+00
N: 139
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4e−06
2e−06
0e+00
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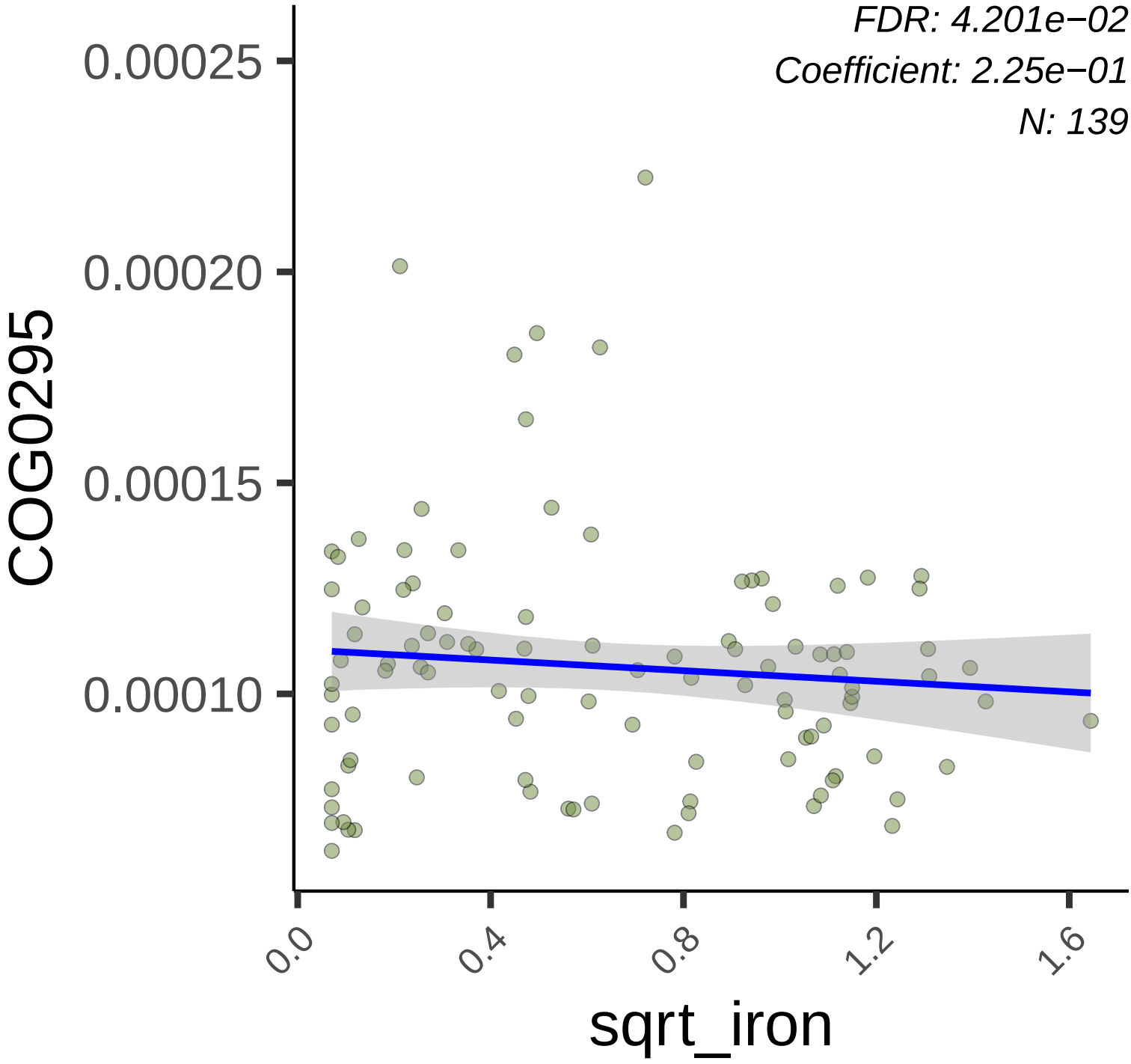
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.201e−02
Coefficient: 2.25e−01
N: 139
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0.00010
COG0295
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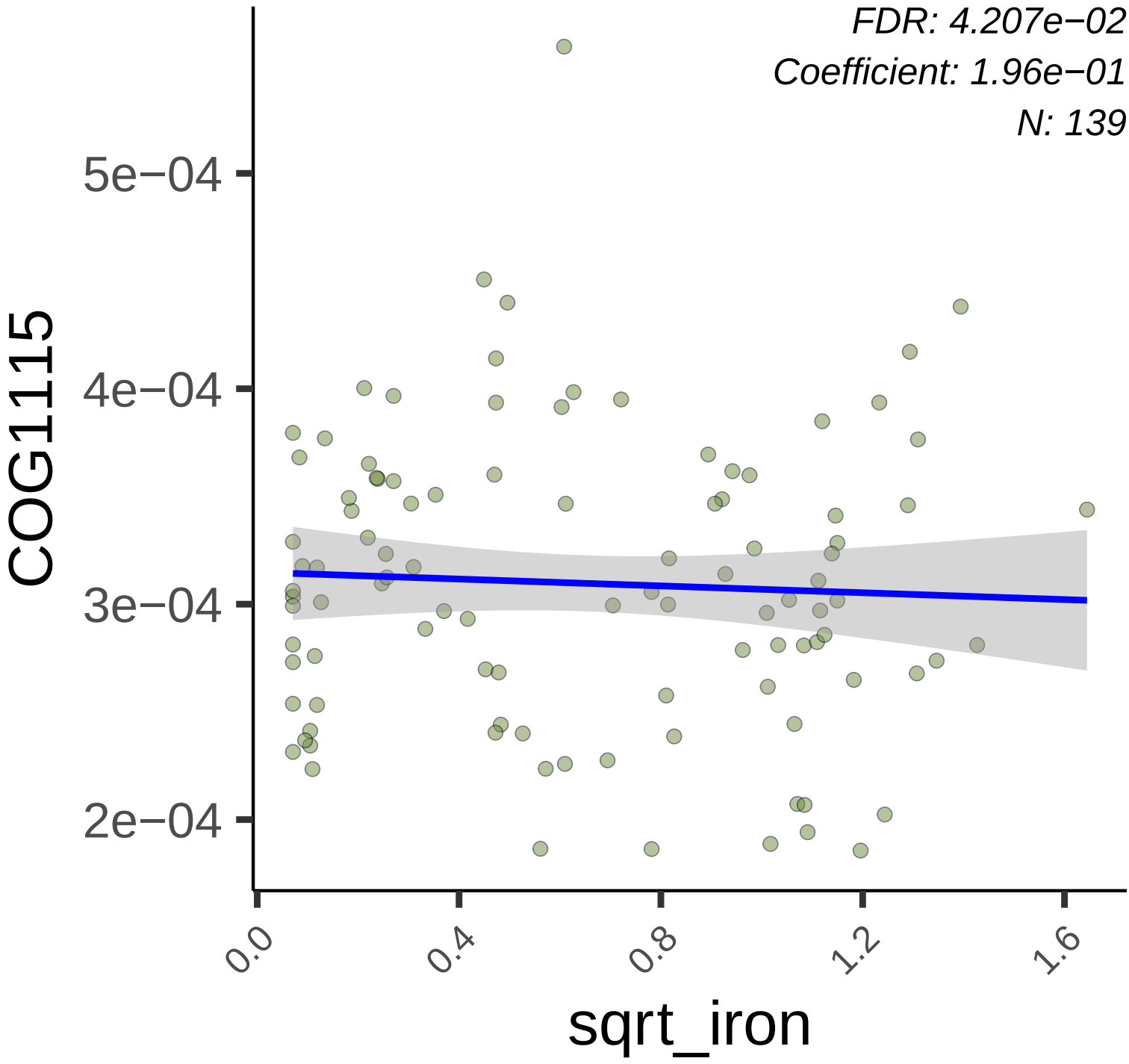
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.207e−02
Coefficient: 1.96e−01
N: 139
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4e−04
3e−04
2e−04
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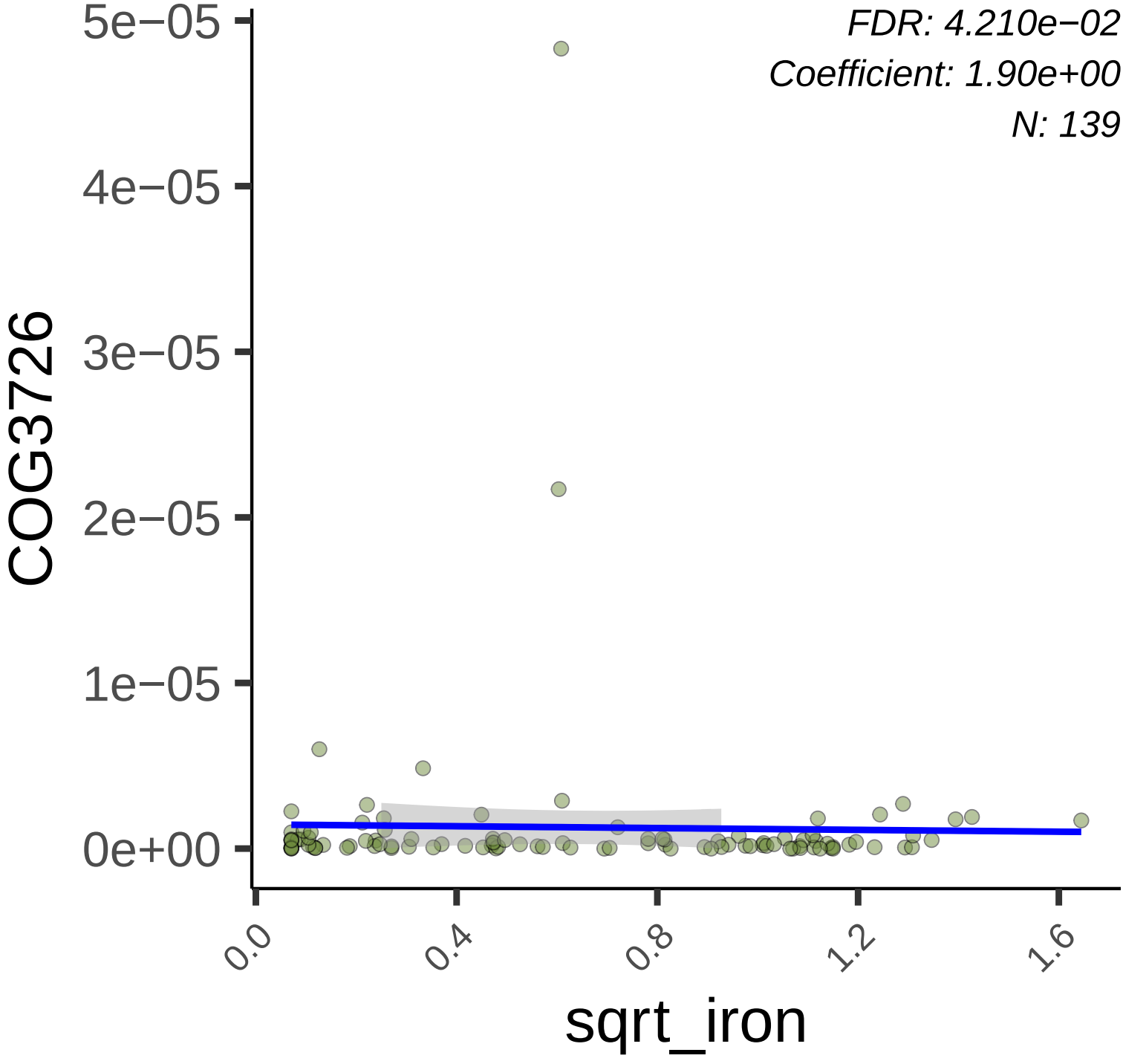
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.210e−02
Coefficient: 1.90e+00
N: 139
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2e−05
1e−05
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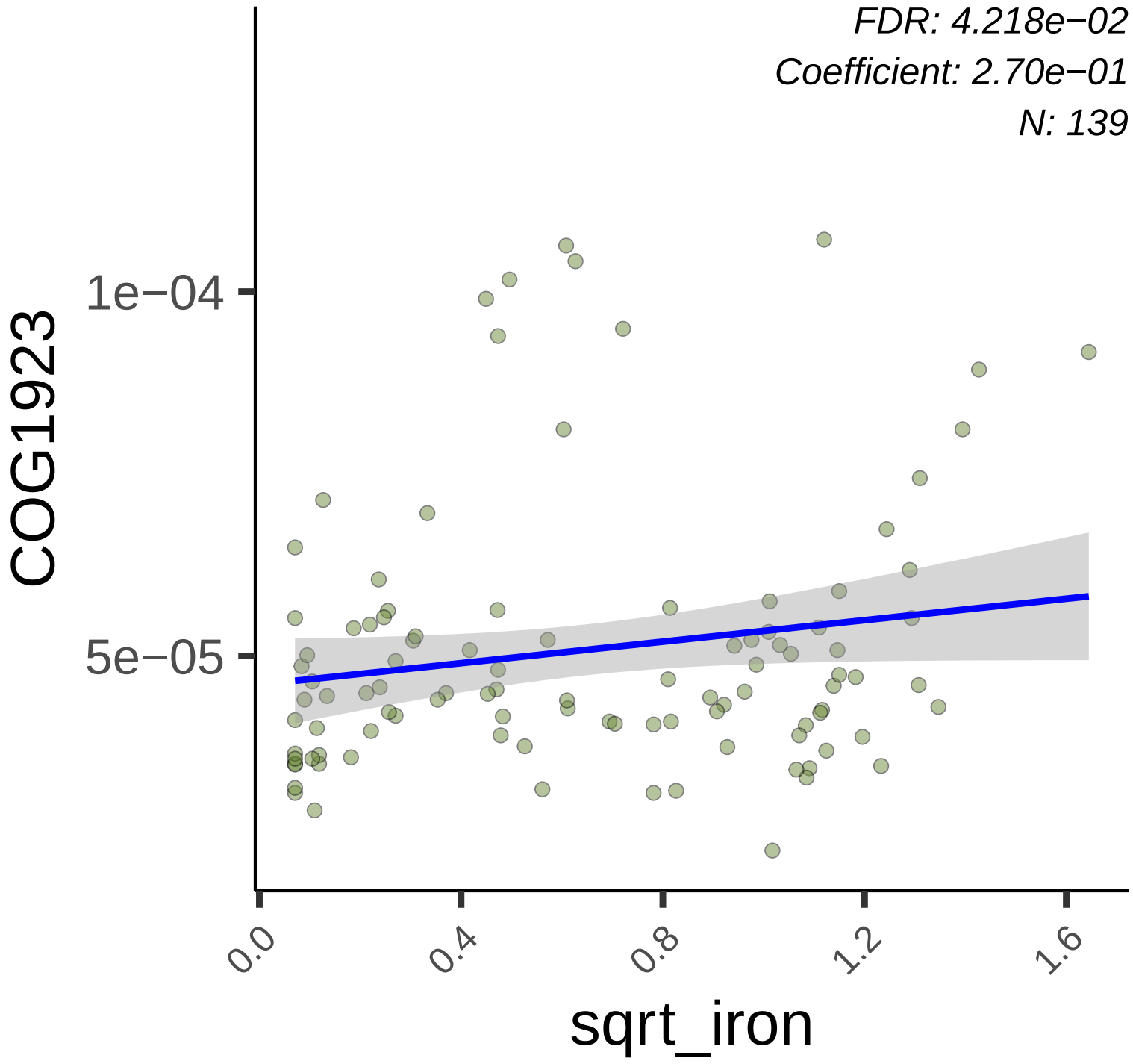
1.2
1.6
sqrt_iron


FDR: 4.218e−02
Coefficient: 2.70e−01
N: 139
COG1923
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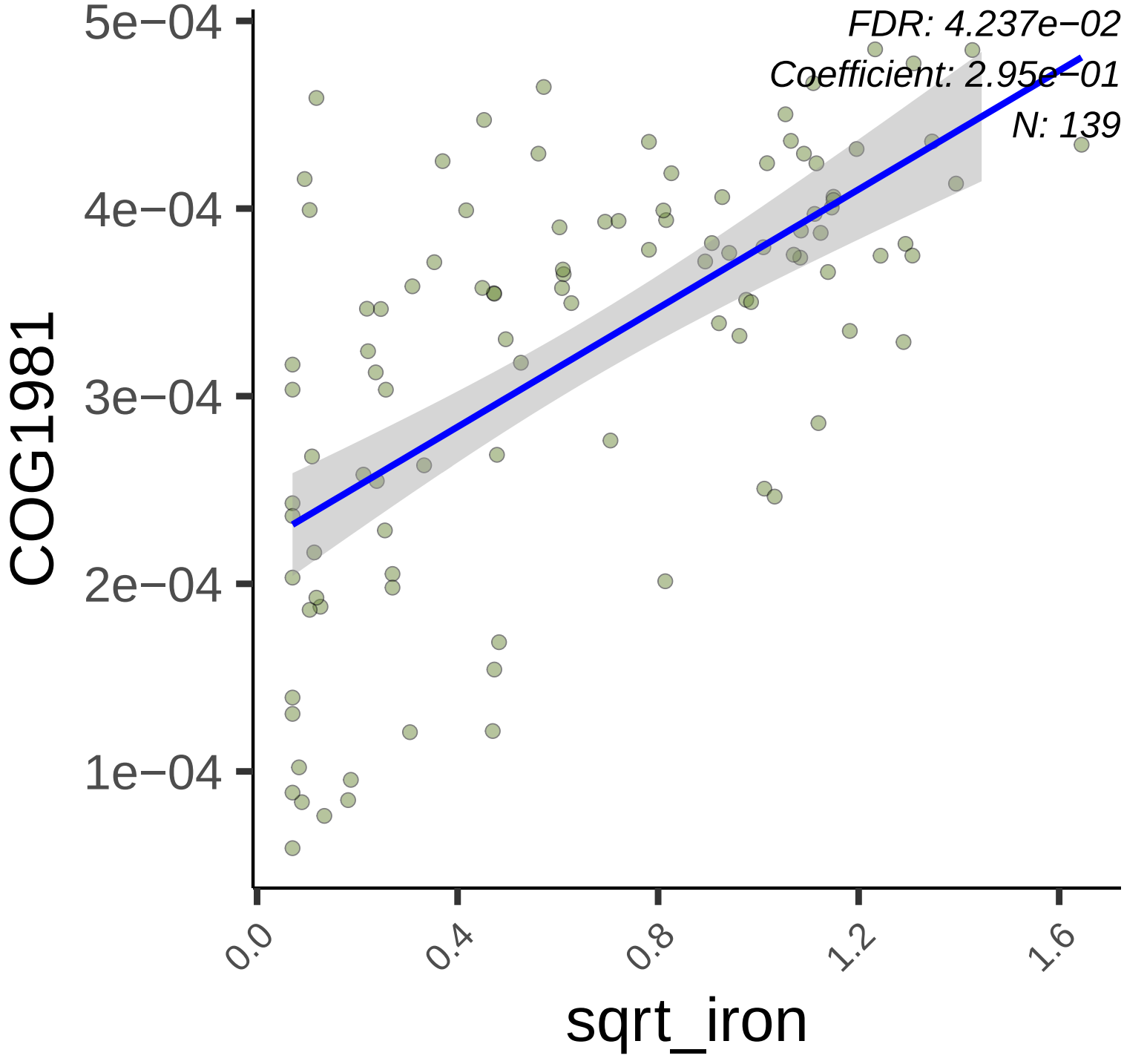
1.2
1.6
sqrt_iron


FDR: 4.237e−02
Coefficient: 2.95e−01
N: 139
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2e−04
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COG1981
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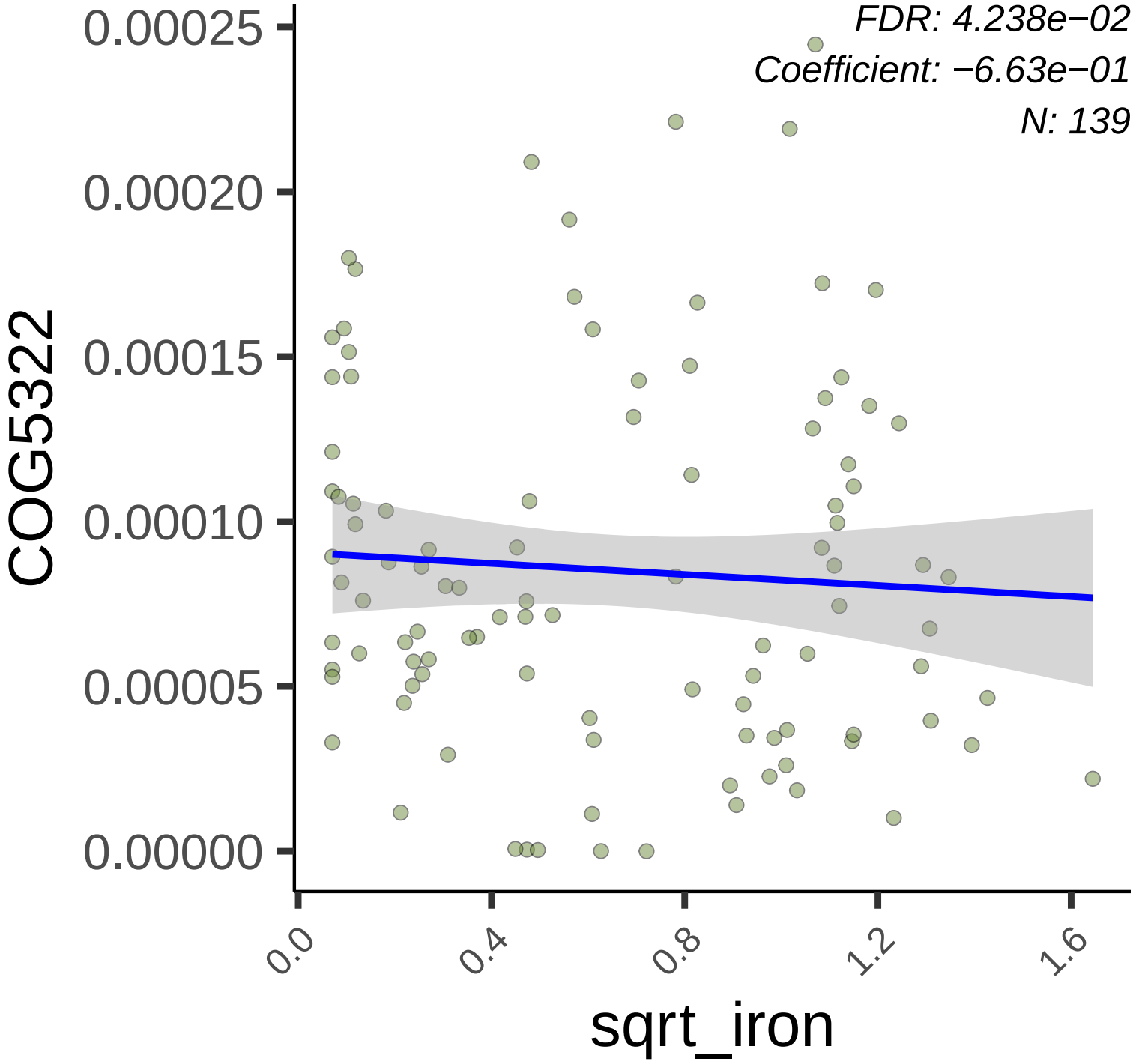
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.238e−02
Coefficient: −6.63e−01
N: 139
COG5322
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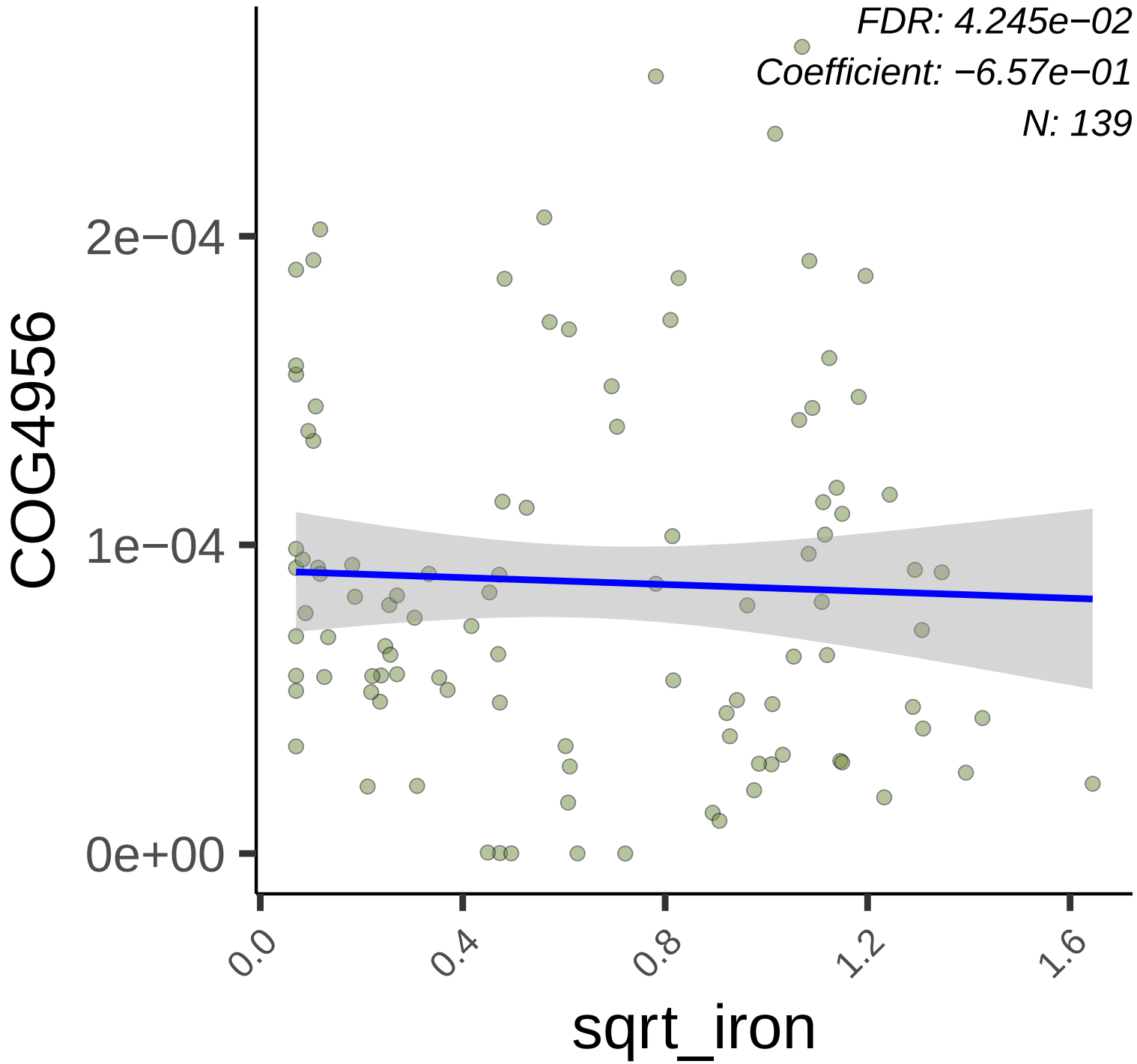
1.2
1.6
sqrt_iron


FDR: 4.245e−02
Coefficient: −6.57e−01
N: 139
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0.4
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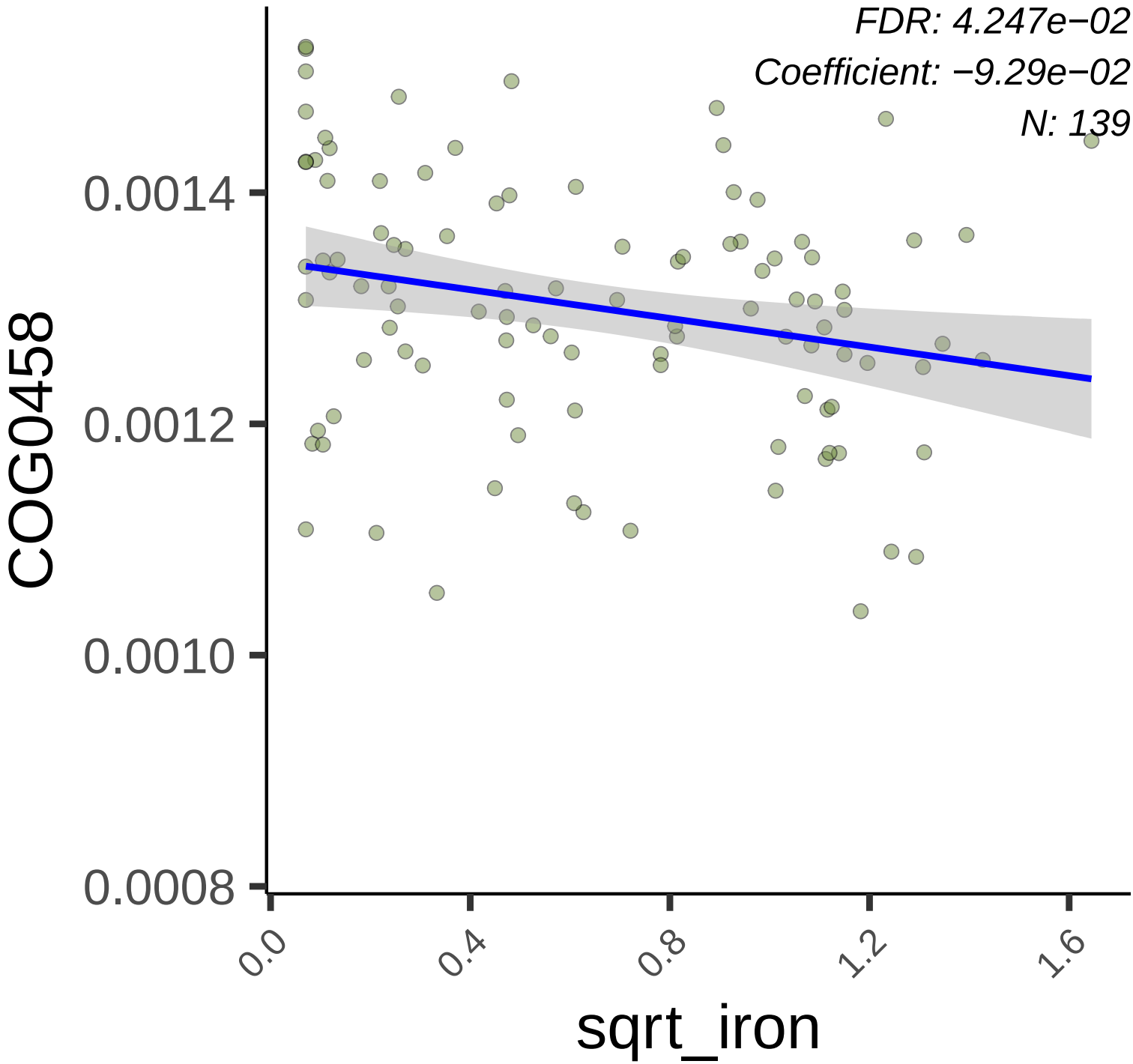
1.2
1.6
sqrt_iron


FDR: 4.247e−02
Coefficient: −9.29e−02
N: 139
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0.4
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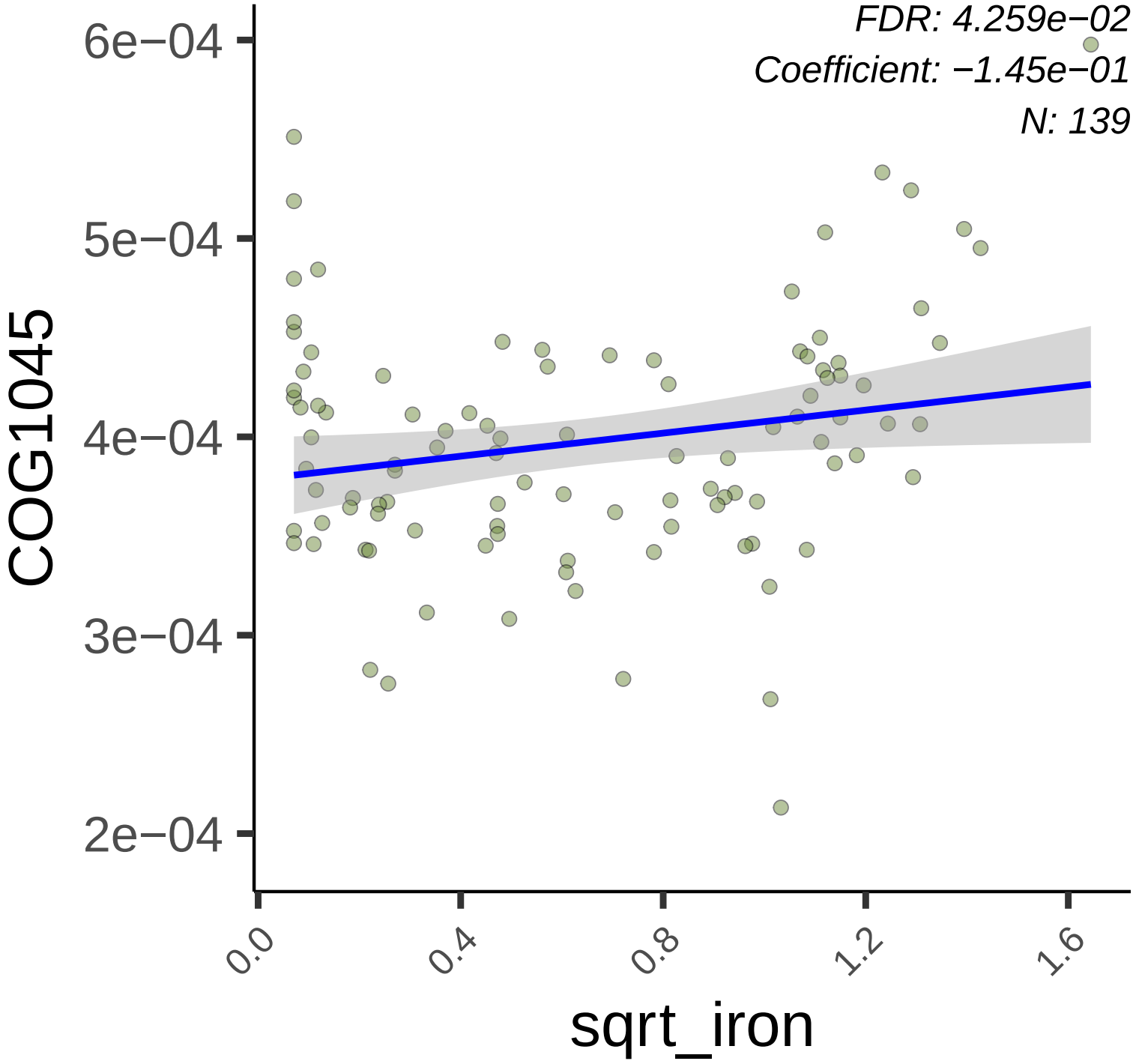
1.2
1.6
sqrt_iron


FDR: 4.259e−02
Coefficient: −1.45e−01
N: 139
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5e−04
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3e−04
2e−04
COG1045
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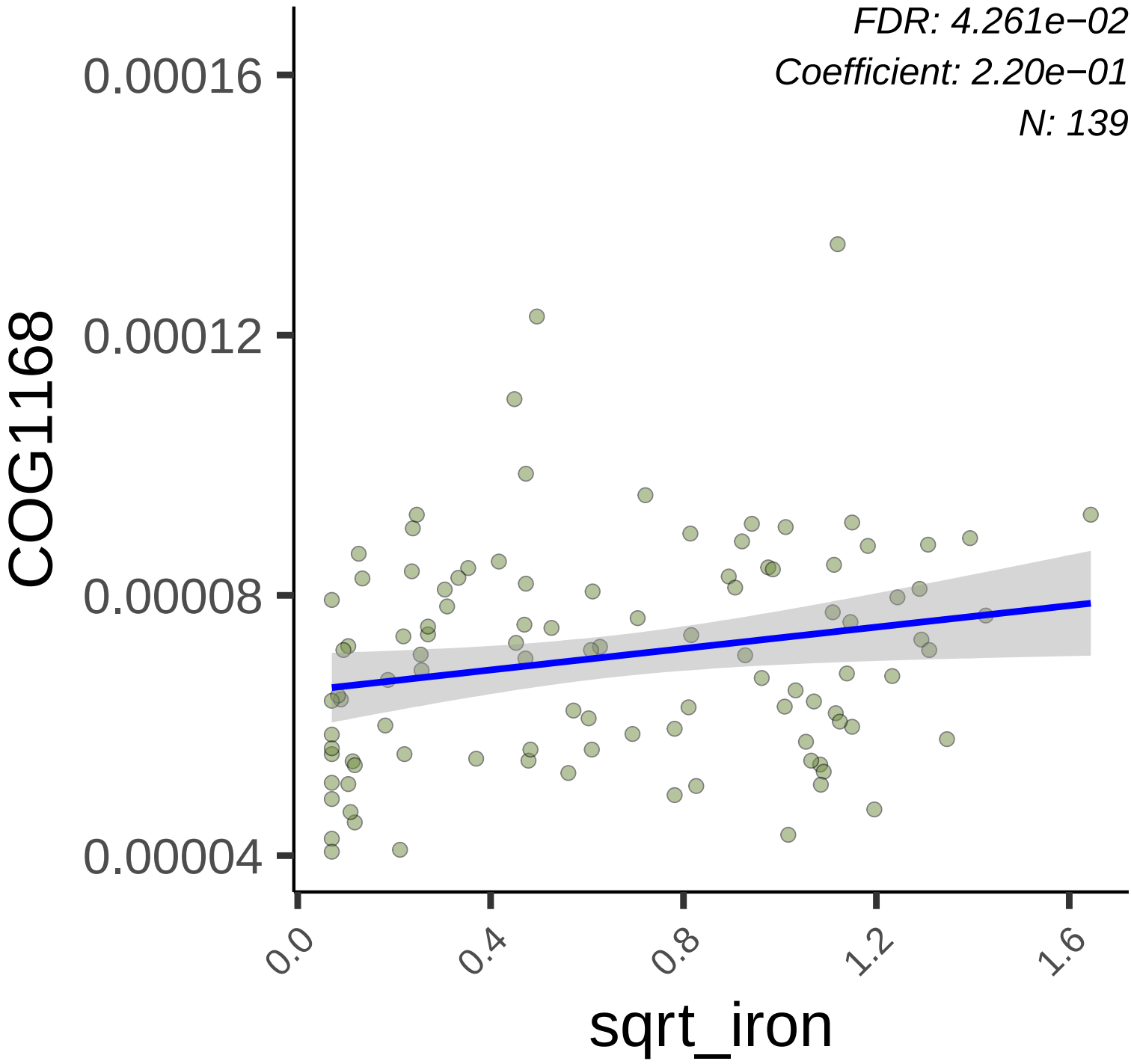
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.261e−02
Coefficient: 2.20e−01
N: 139
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0.00008
0.00004
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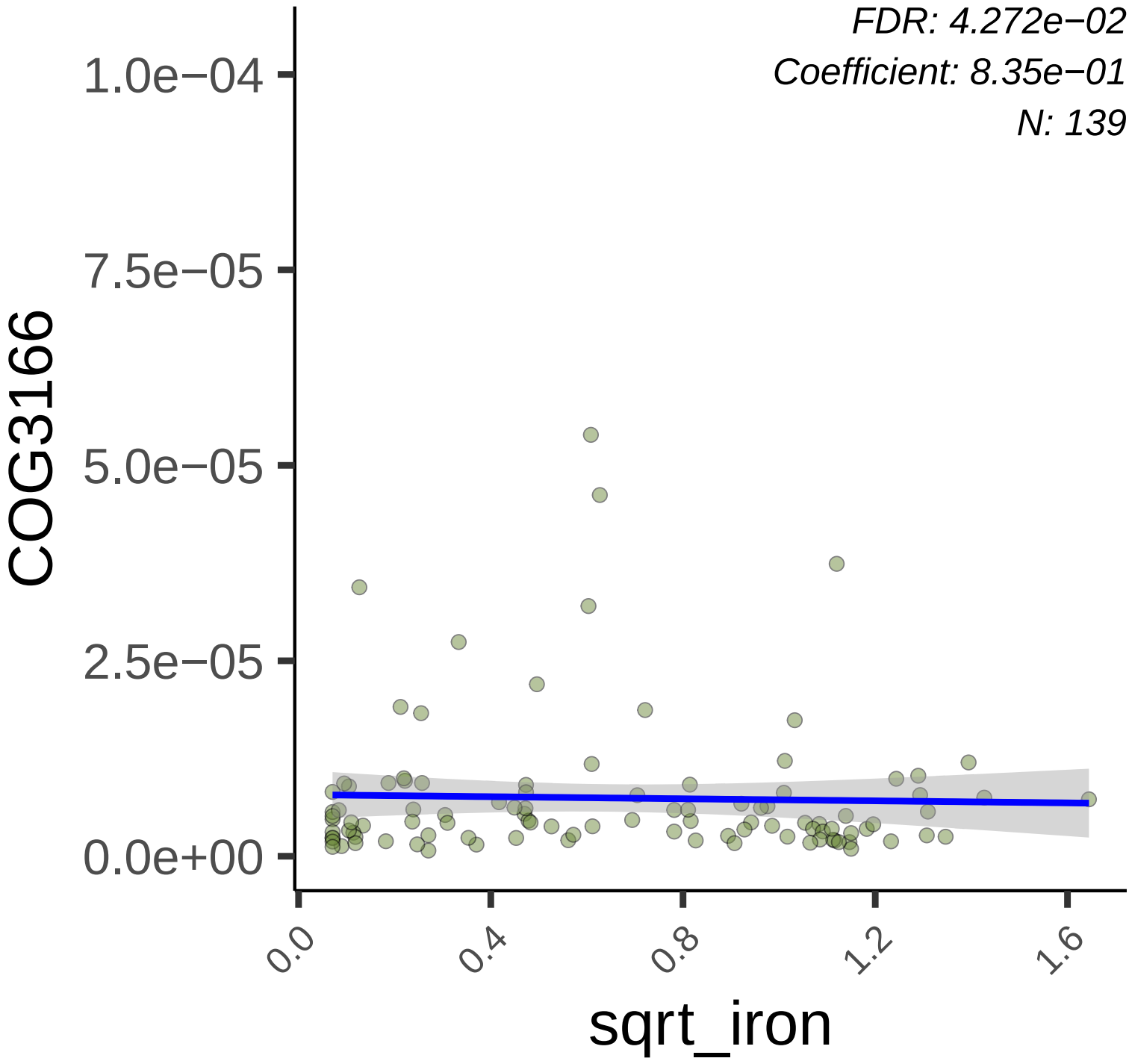
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.272e−02
Coefficient: 8.35e−01
N: 139
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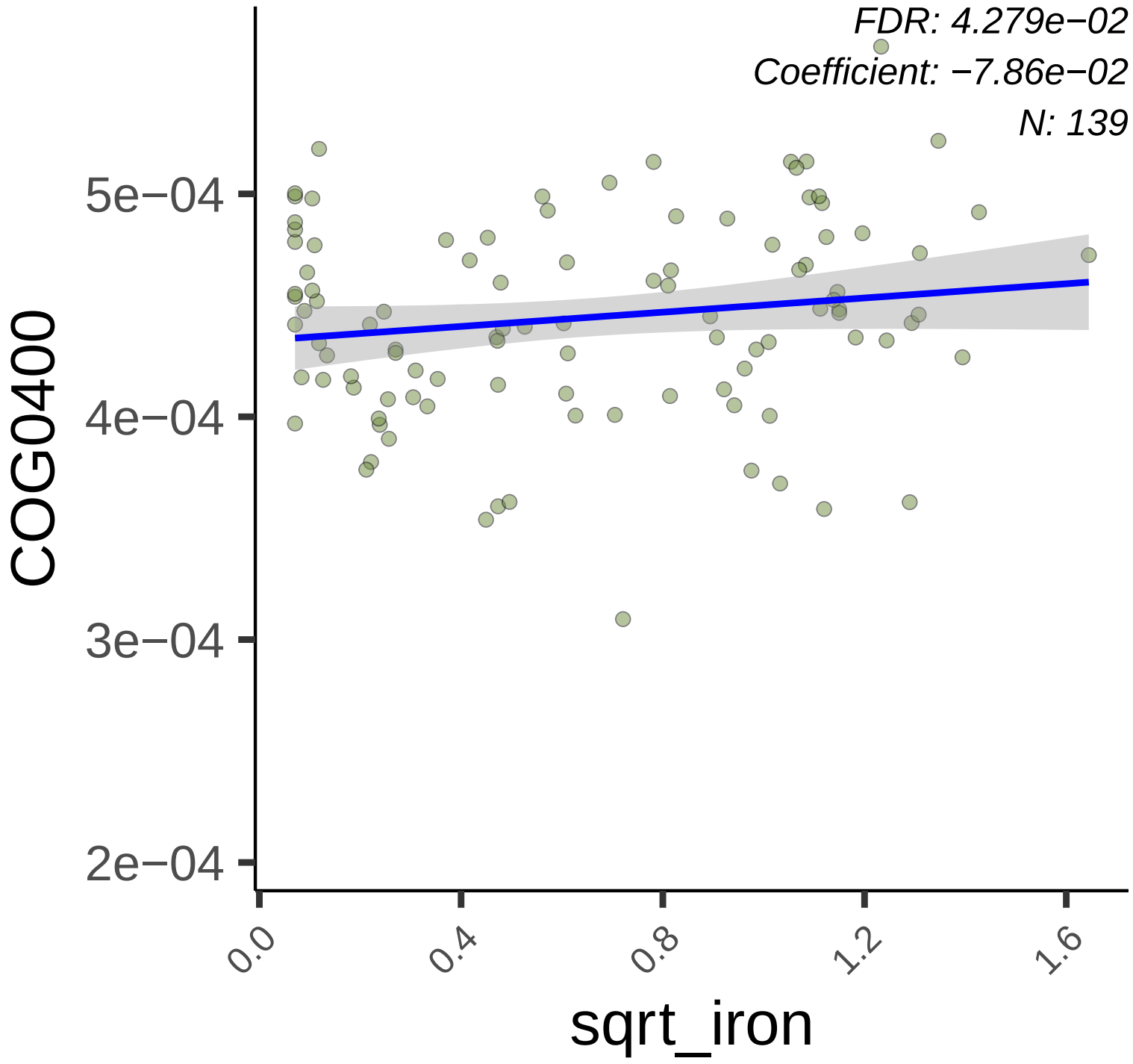
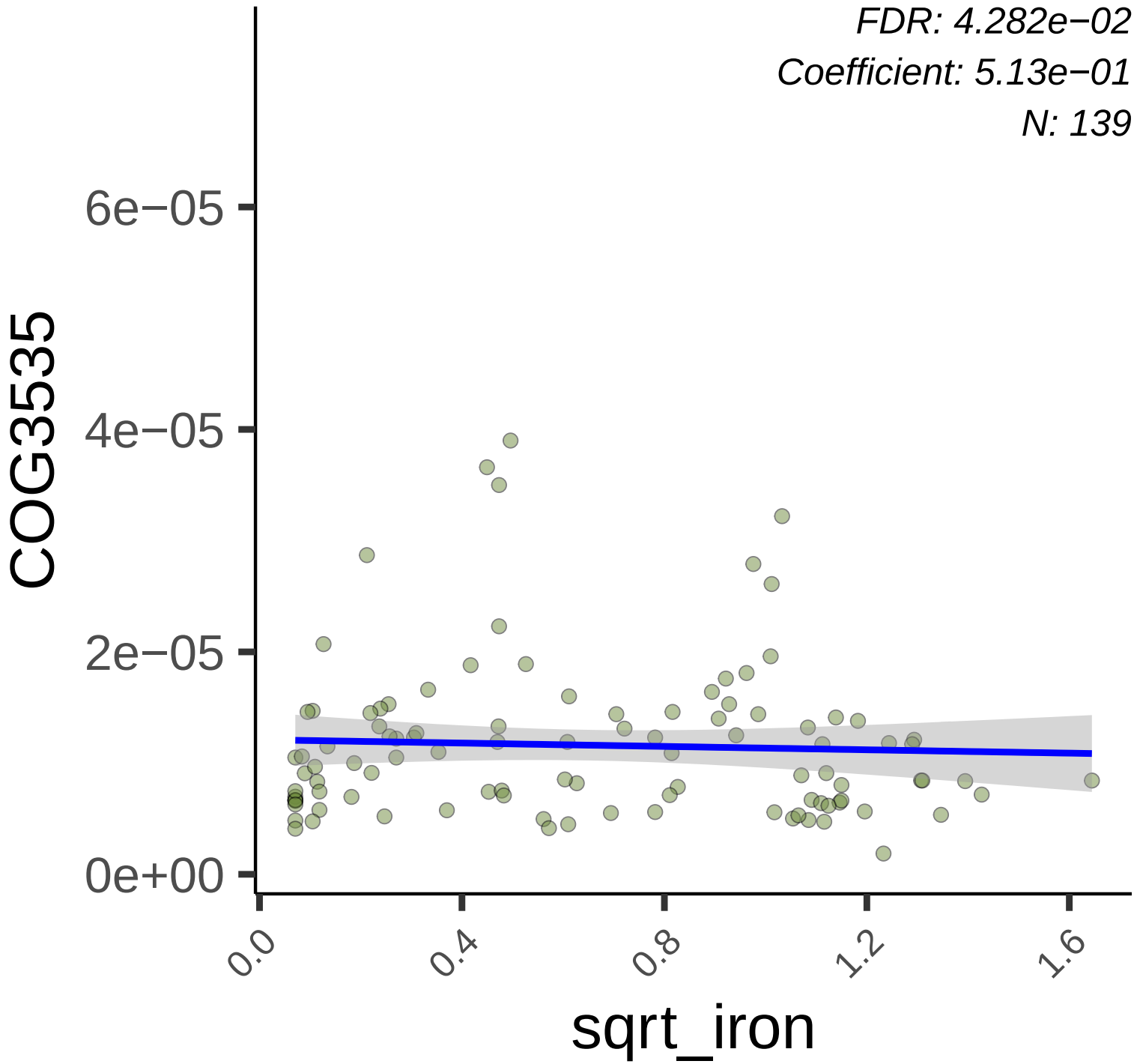
7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG3166
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.279e−02
Coefficient: −7.86e−02
N: 139
5e−04
4e−04
3e−04
2e−04
COG0400
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.282e−02
Coefficient: 5.13e−01
N: 139
COG3535
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0.8
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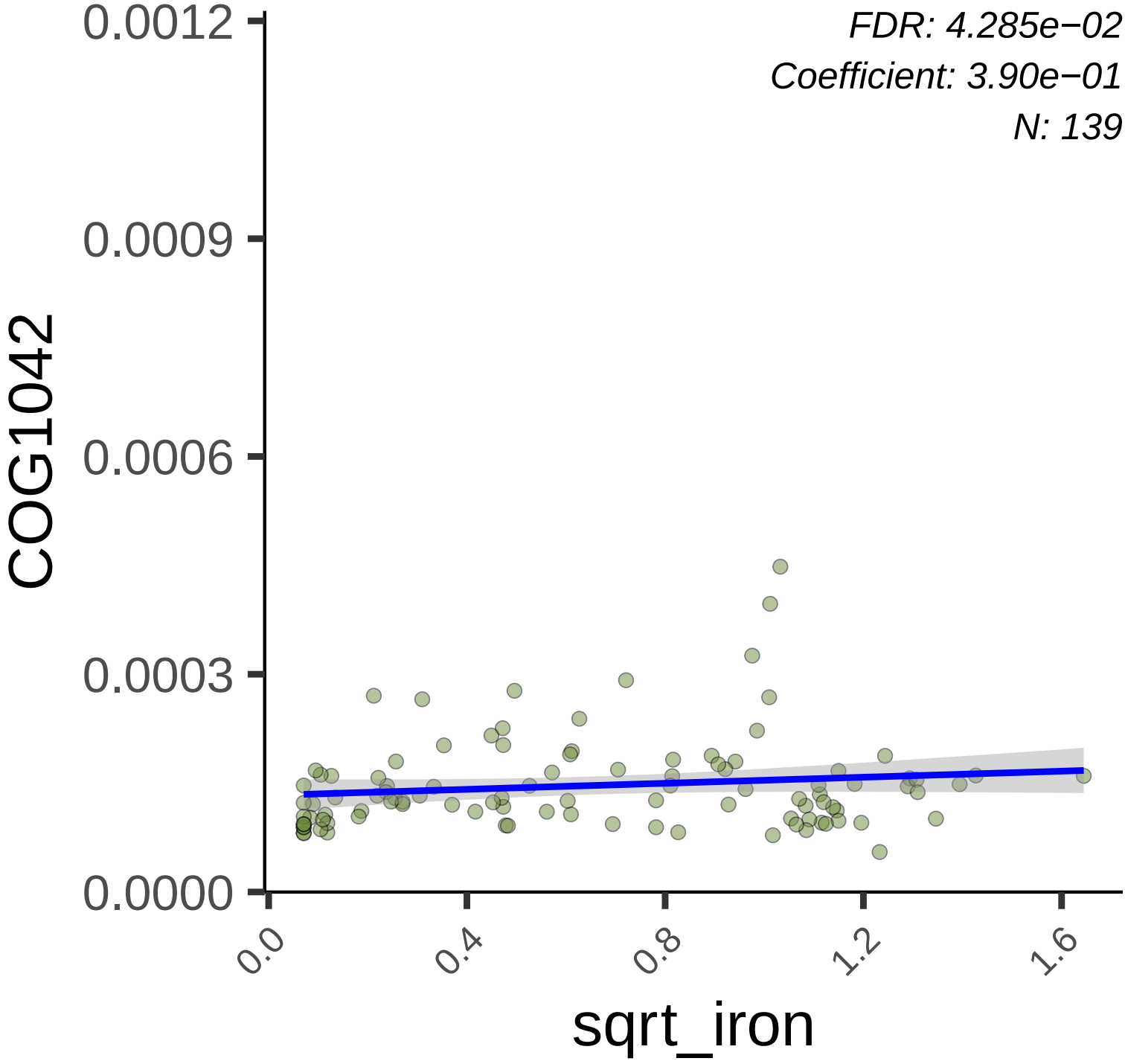
1.6
sqrt_iron


FDR: 4.285e−02
Coefficient: 3.90e−01
N: 139
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0.0009
0.0006
0.0003
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COG1042
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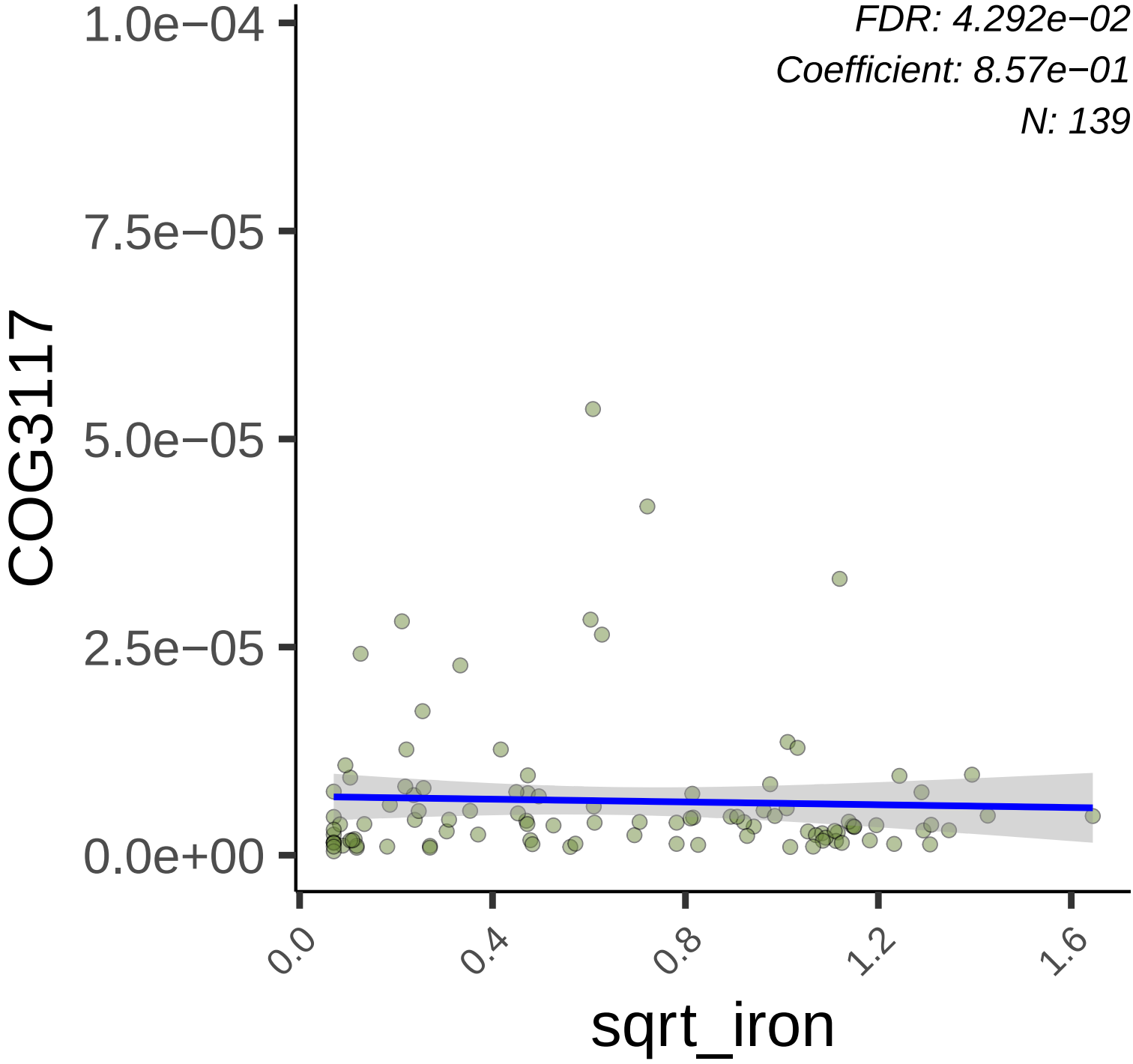
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.292e−02
Coefficient: 8.57e−01
N: 139
1.0e−04
7.5e−05
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COG3117
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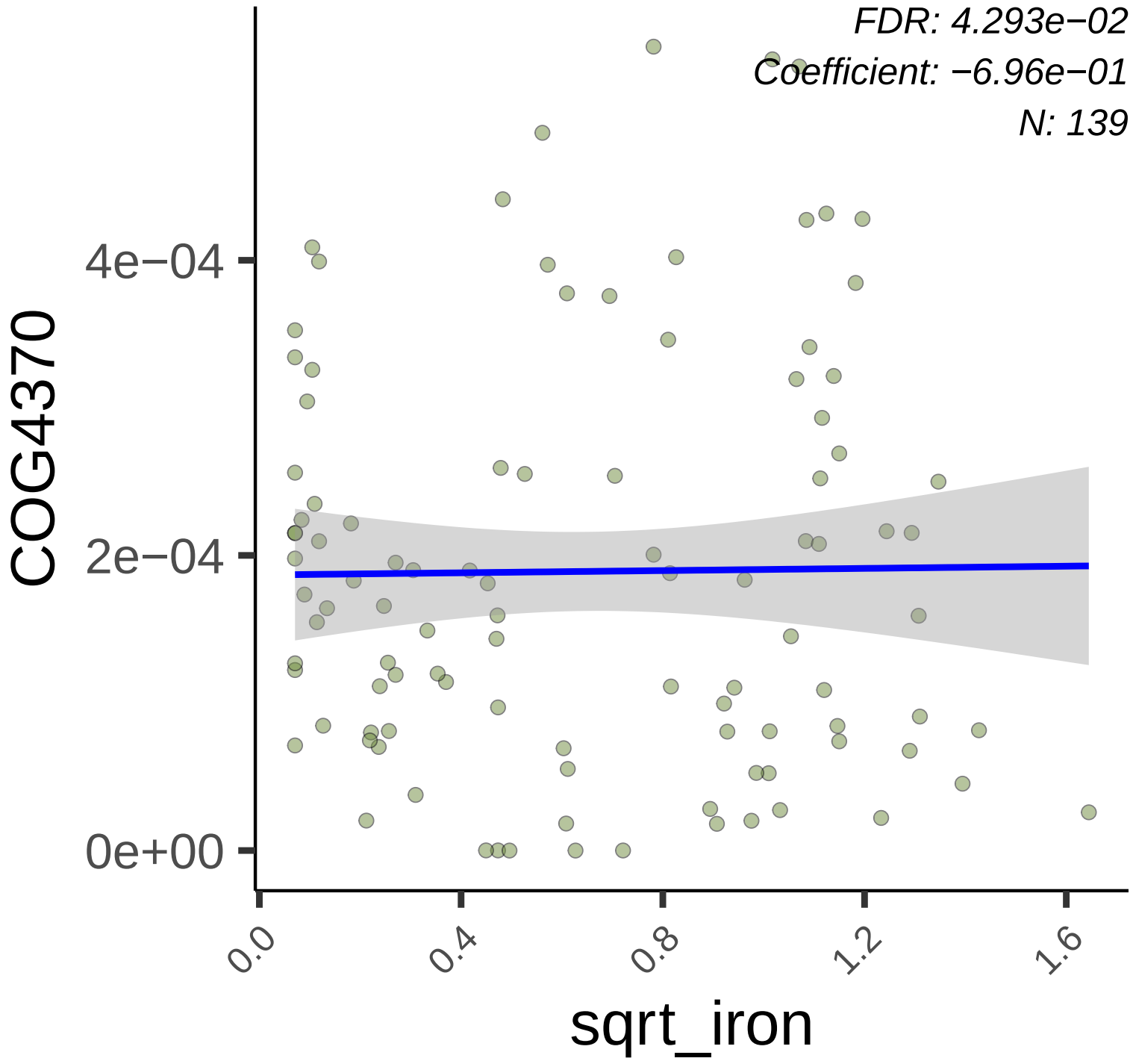
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.293e−02
Coefficient: −6.96e−01
N: 139
COG4370
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1.2
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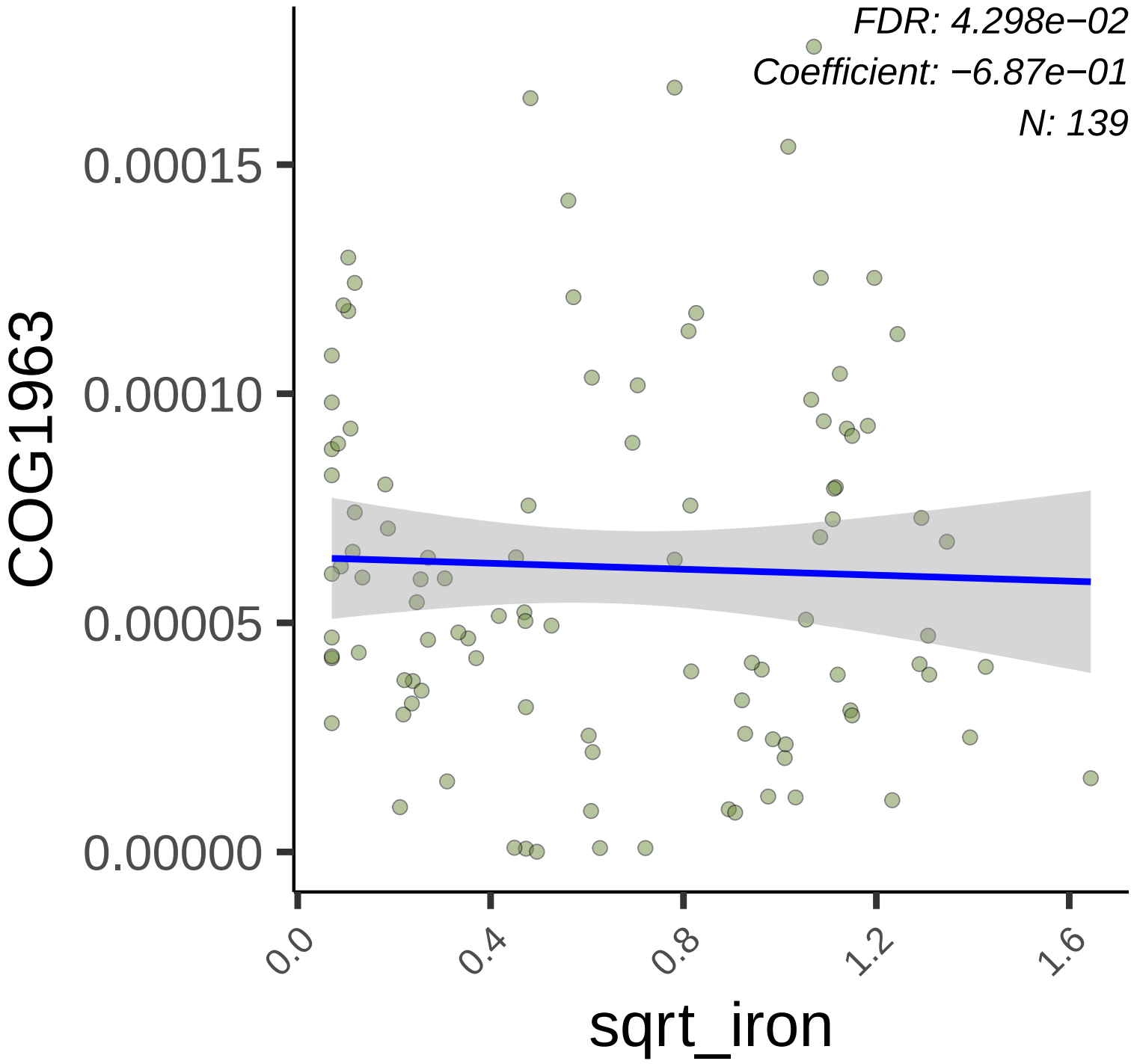
sqrt_iron


FDR: 4.298e−02
Coefficient: −6.87e−01
N: 139
COG1963
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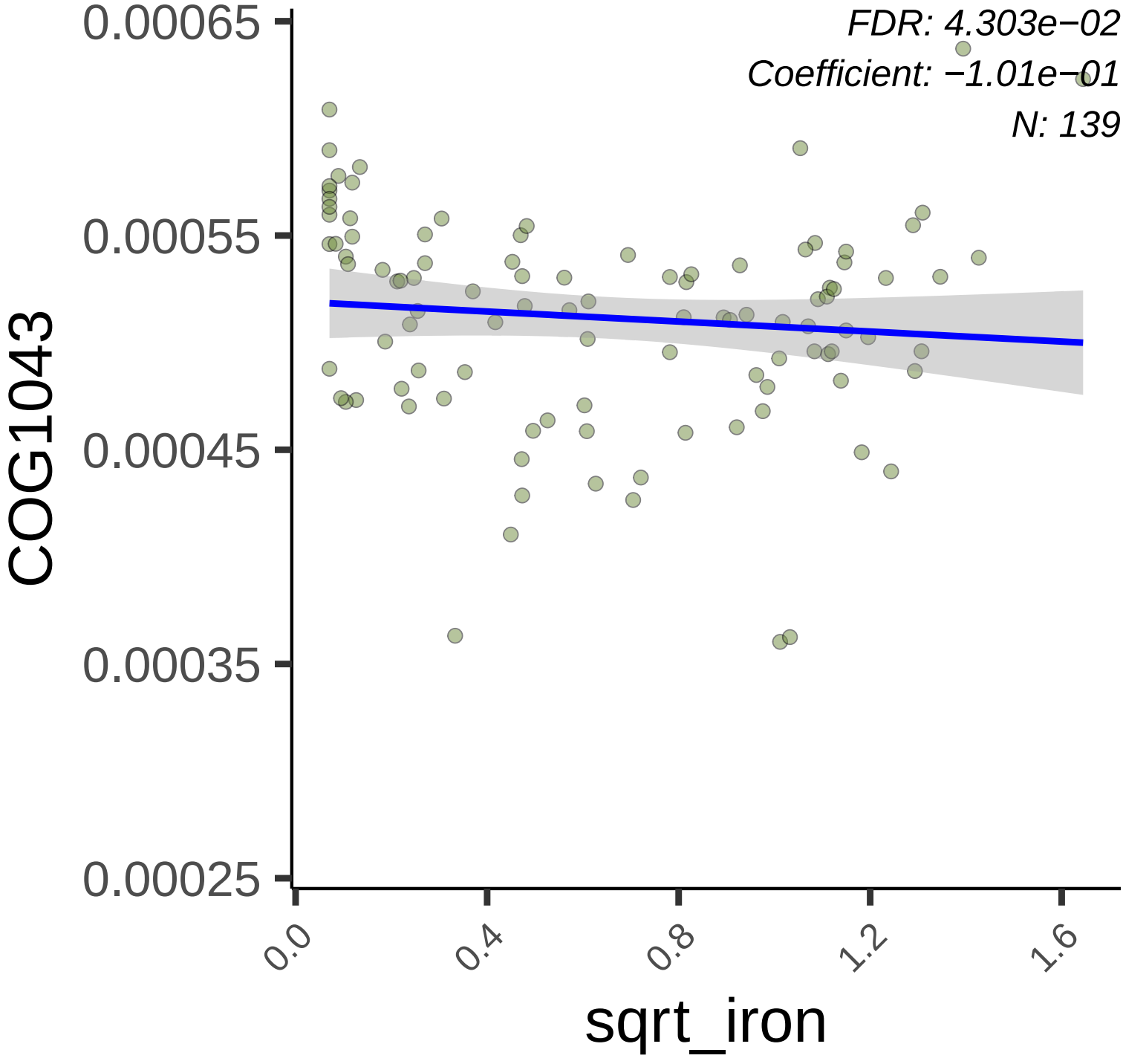
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.303e−02
Coefficient: −1.01e−01
N: 139
0.00065
0.00055
0.00045
0.00035
0.00025
COG1043
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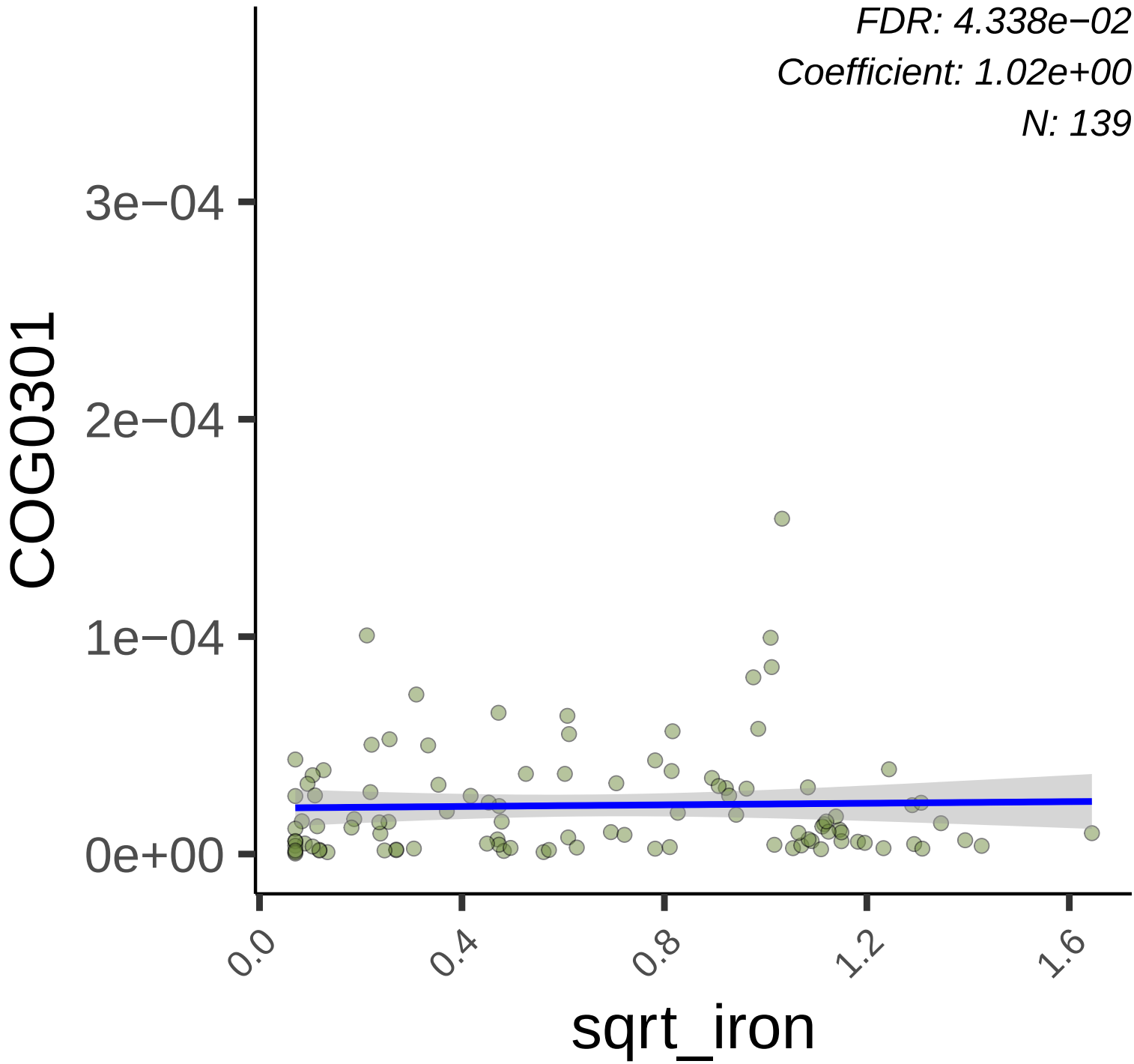
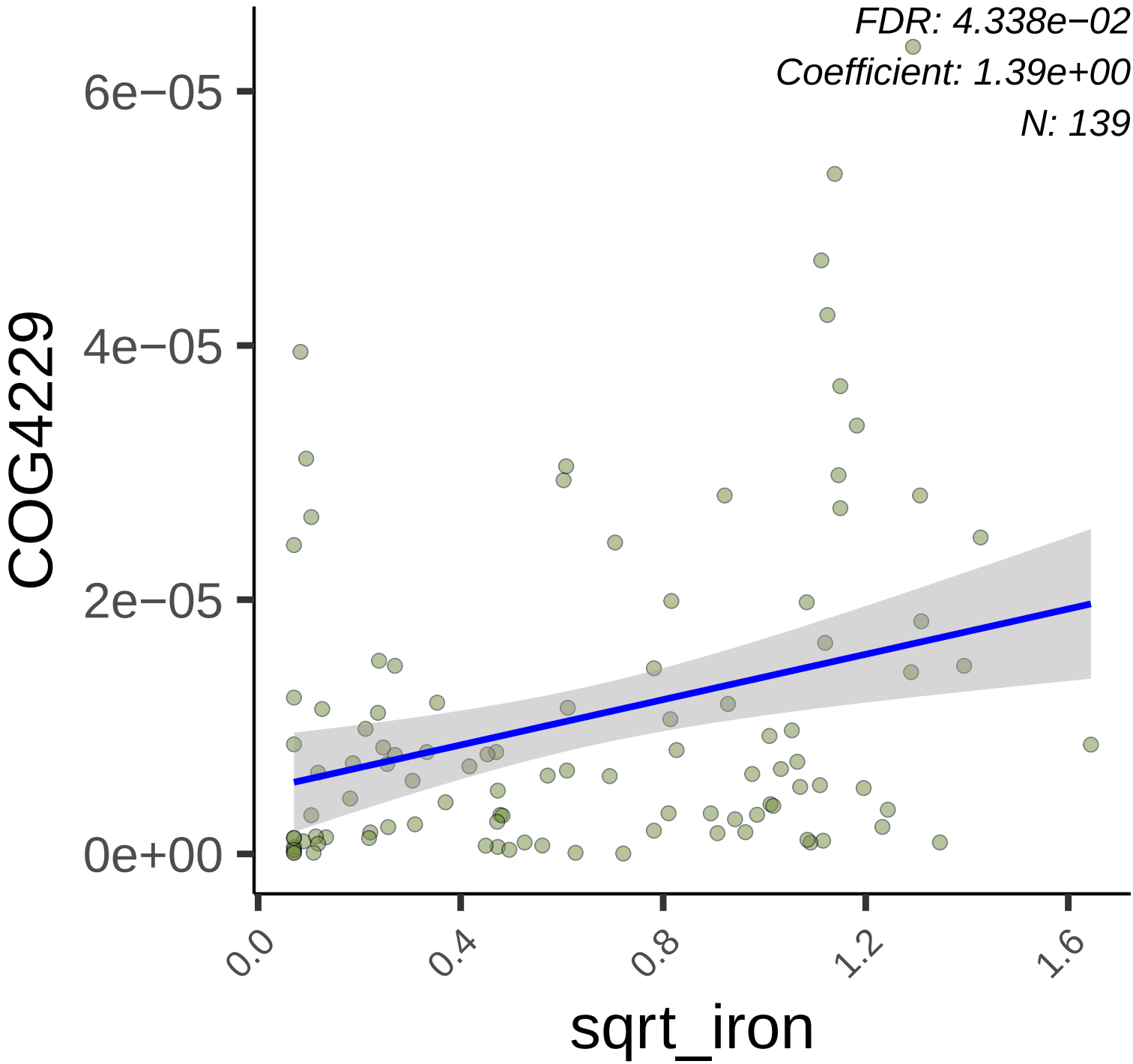
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.338e−02
Coefficient: 1.02e+00
N: 139
COG0301
3e−04
2e−04
1e−04
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.338e−02
Coefficient: 1.39e+00
N: 139
COG4229
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4e−05
2e−05
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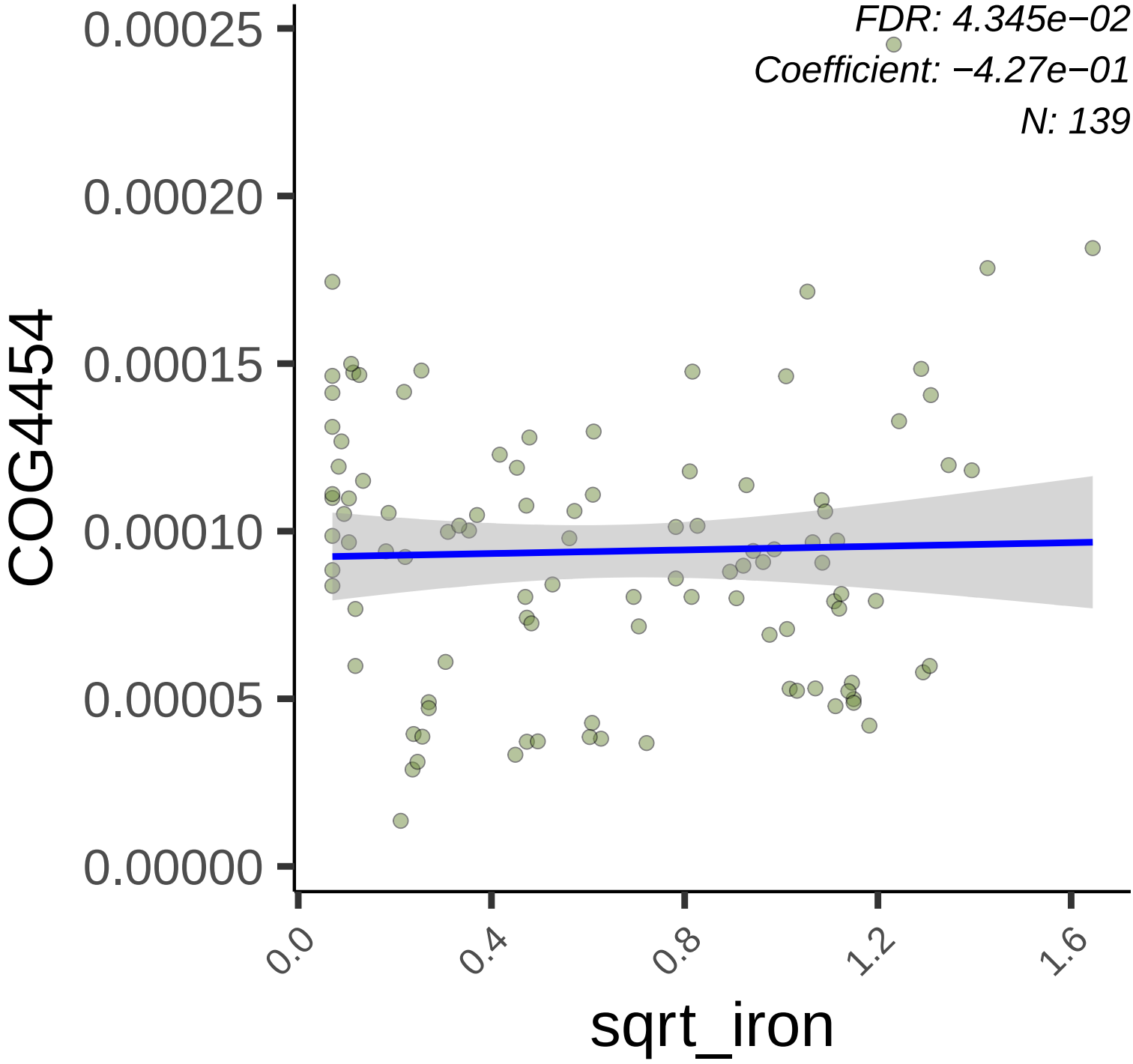
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.345e−02
Coefficient: −4.27e−01
N: 139
COG4454
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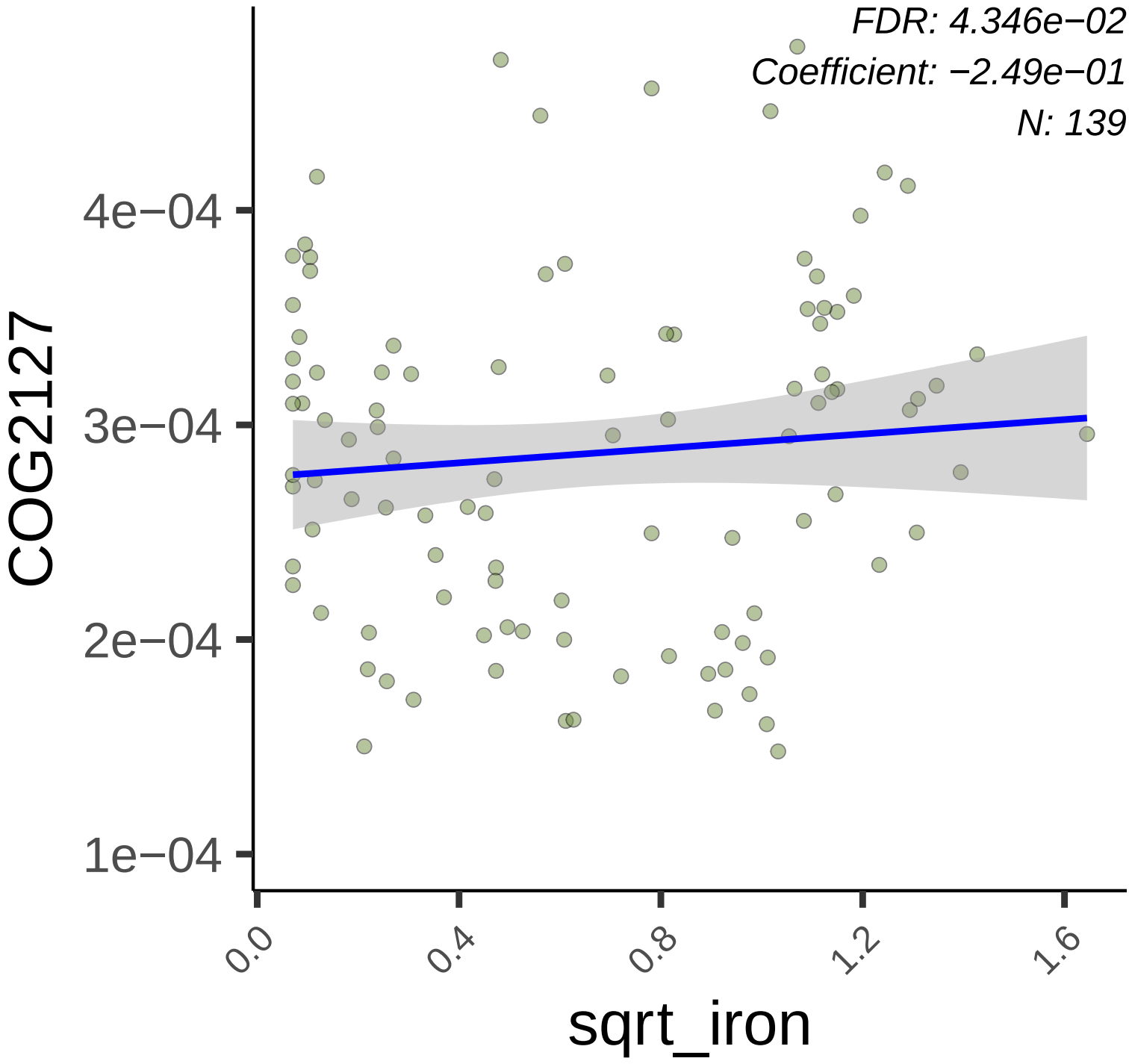
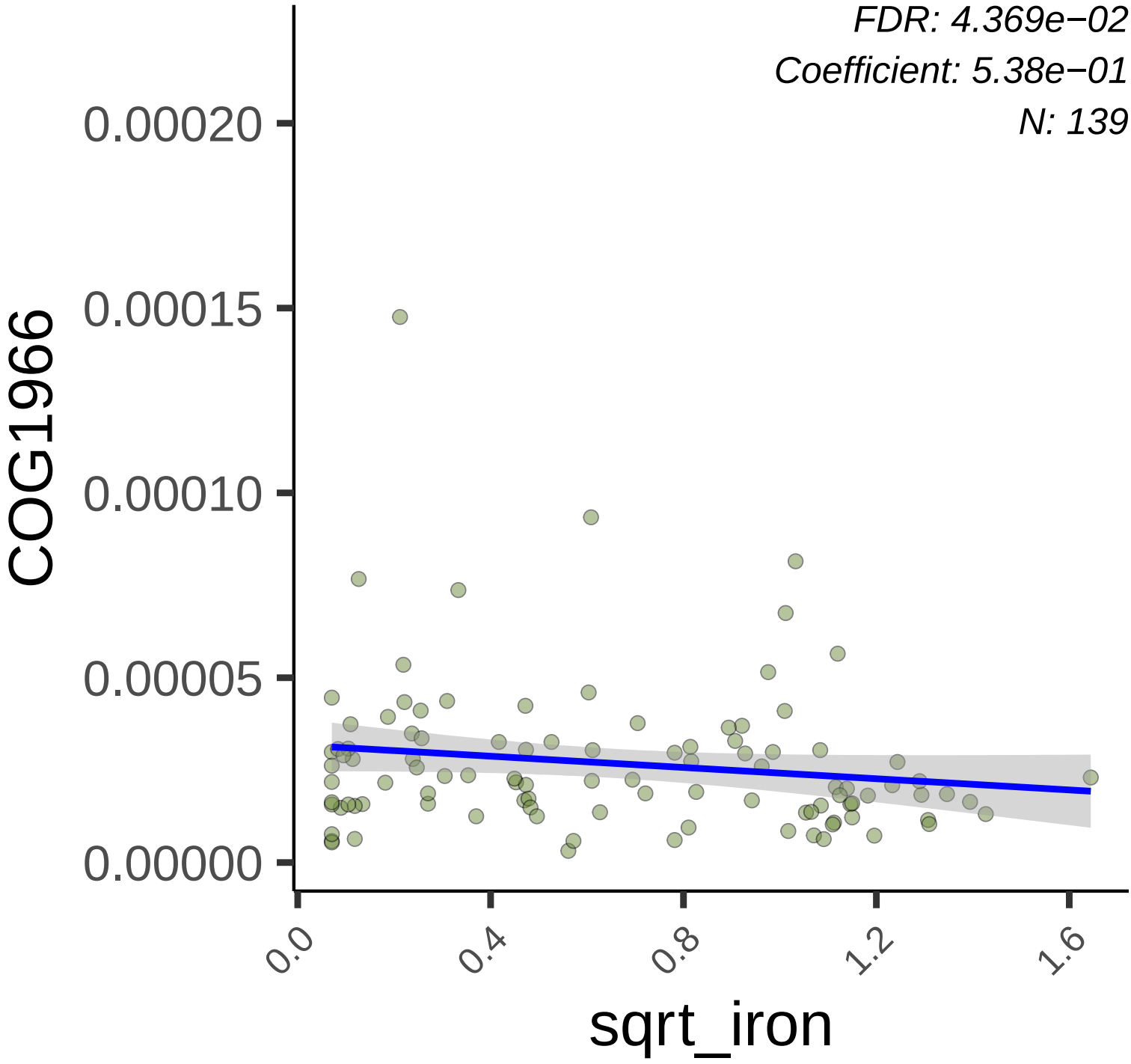
0.00020
0.00015
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.346e−02
Coefficient: −2.49e−01
N: 139
COG2127
4e−04
3e−04
2e−04
1e−04
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.369e−02
Coefficient: 5.38e−01
N: 139
COG1966
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0.00010
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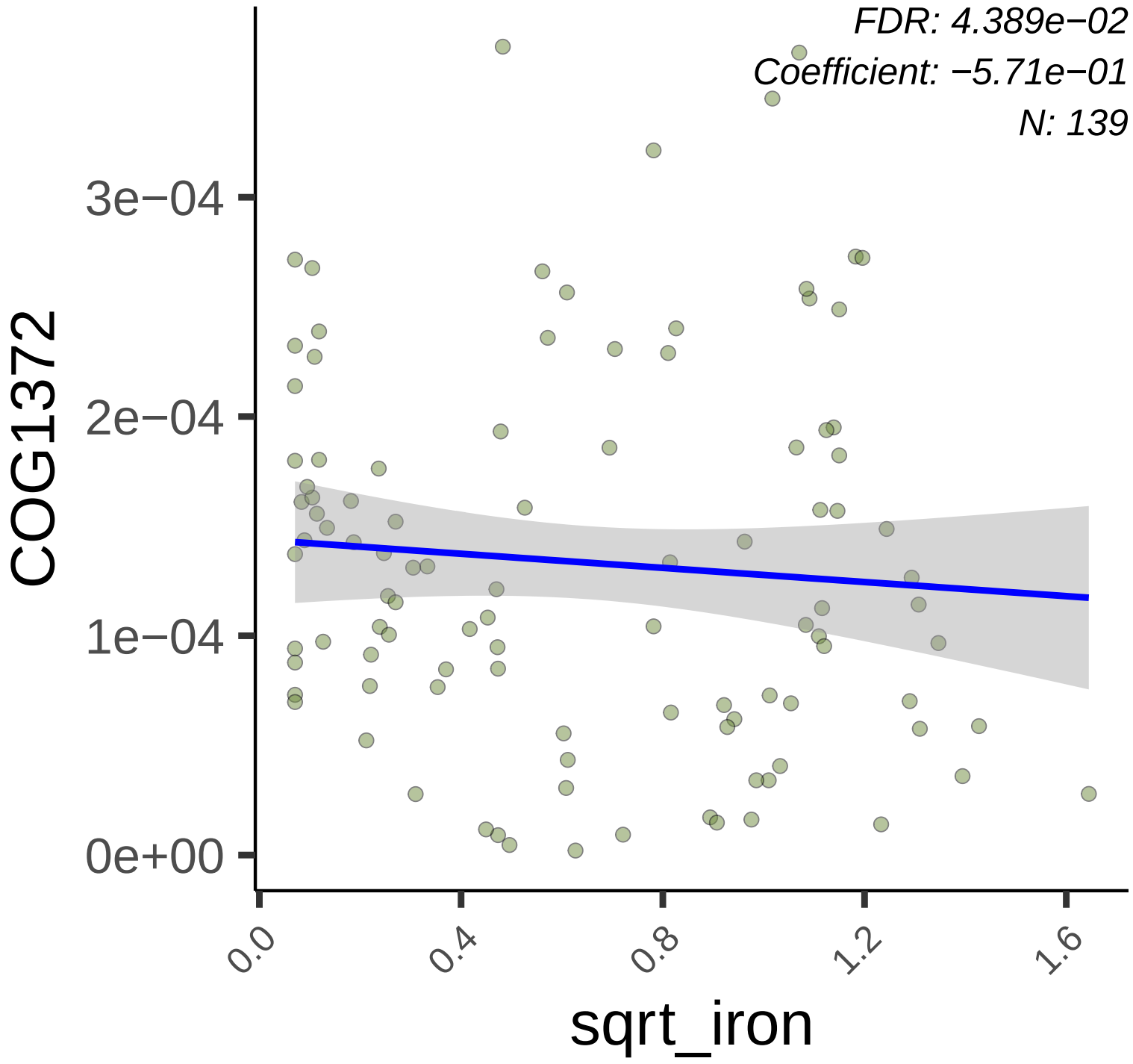
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.389e−02
Coefficient: −5.71e−01
N: 139
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1e−04
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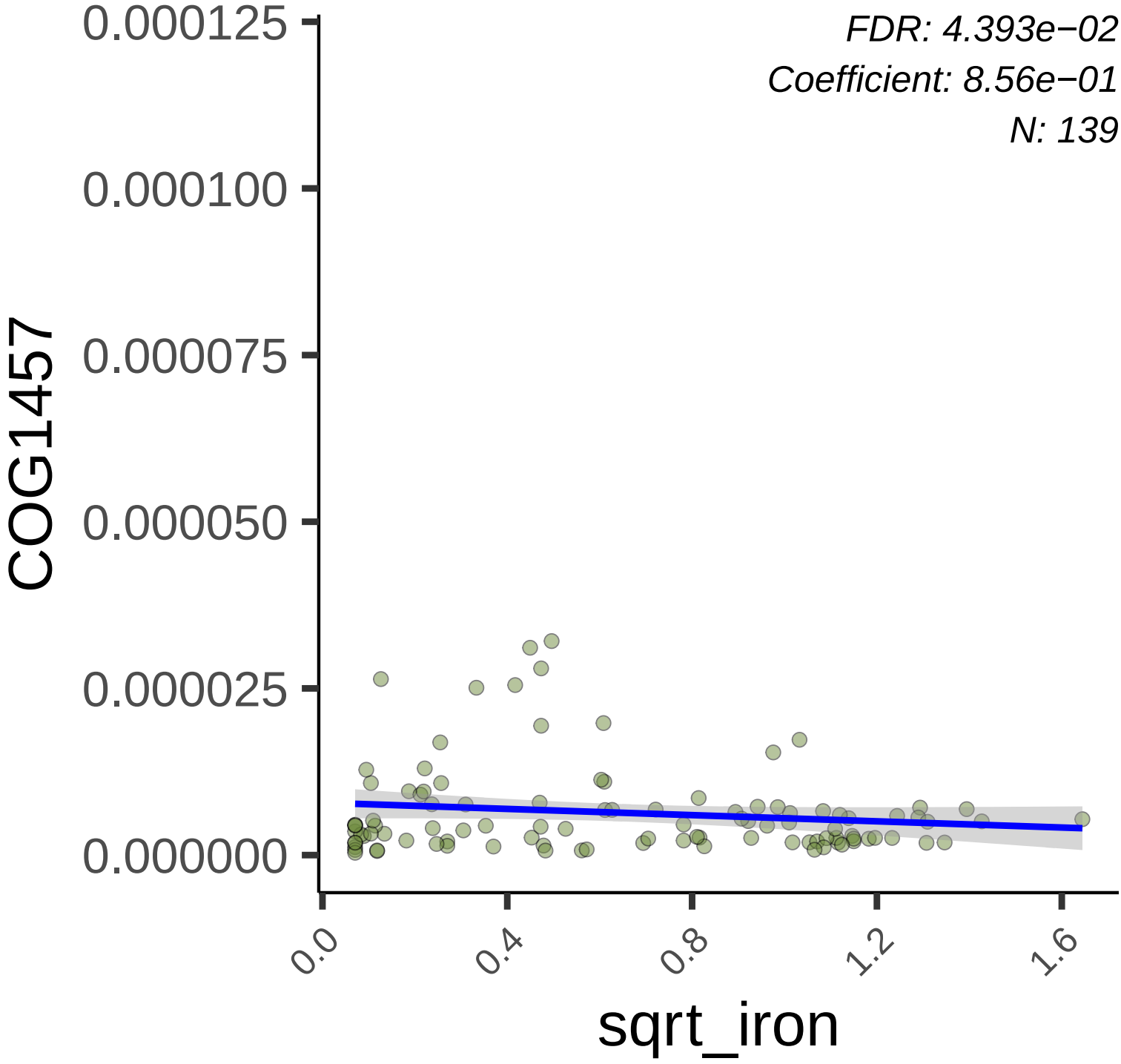
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.393e−02
Coefficient: 8.56e−01
N: 139
COG1457
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0.000100
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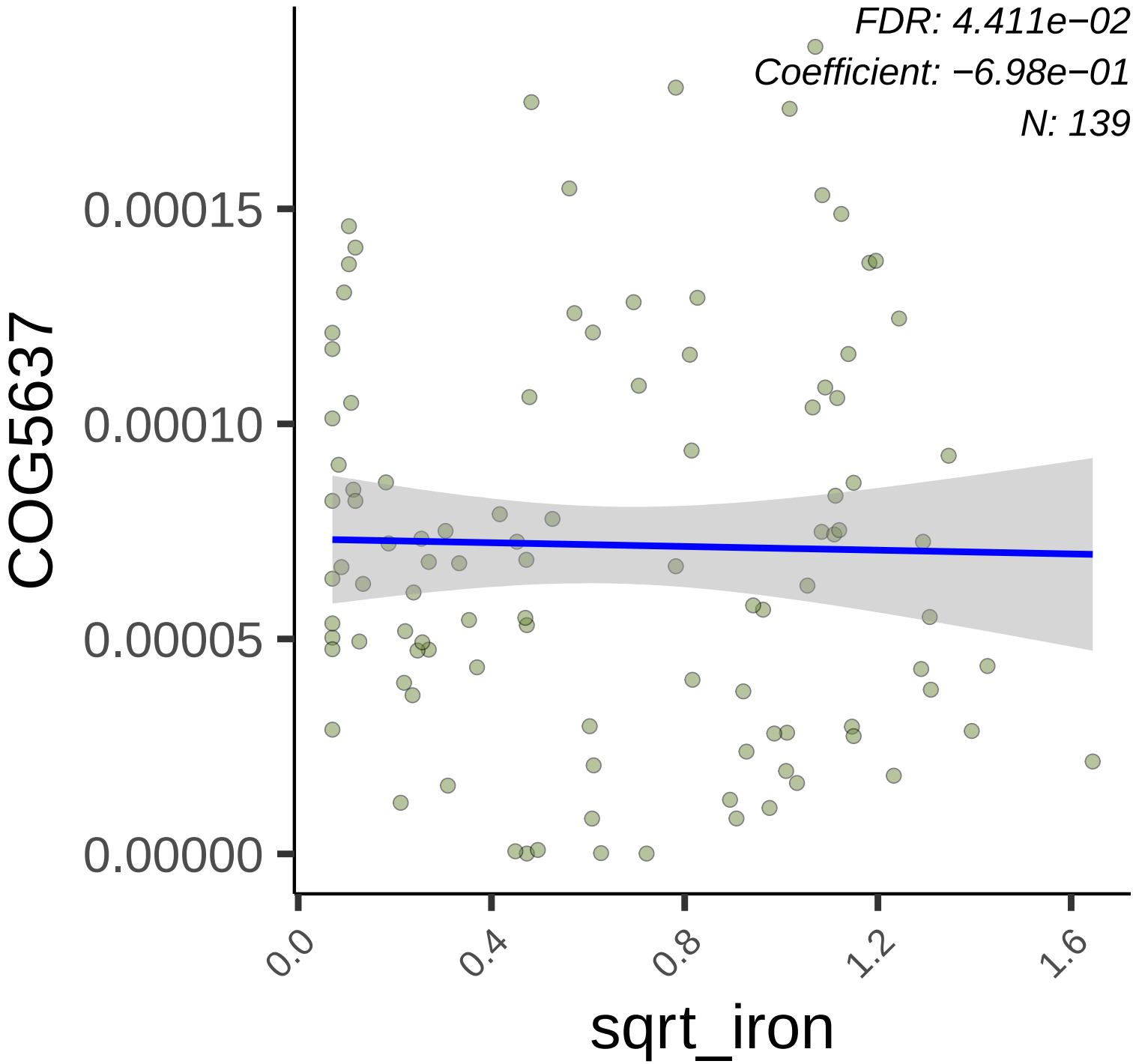
0.000050
0.000025
0.000000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.411e−02
Coefficient: −6.98e−01
N: 139
COG5637
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0.00010
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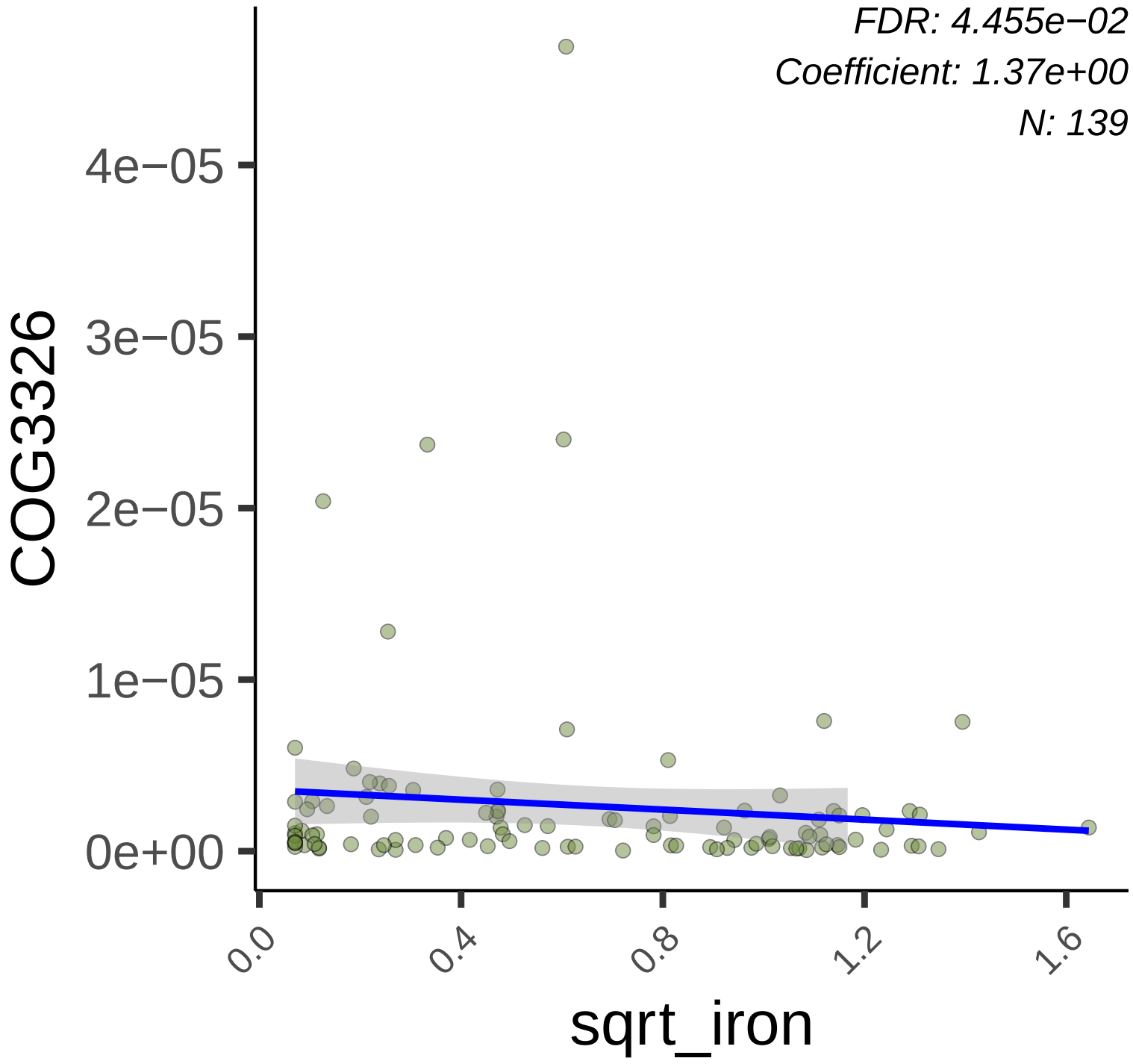
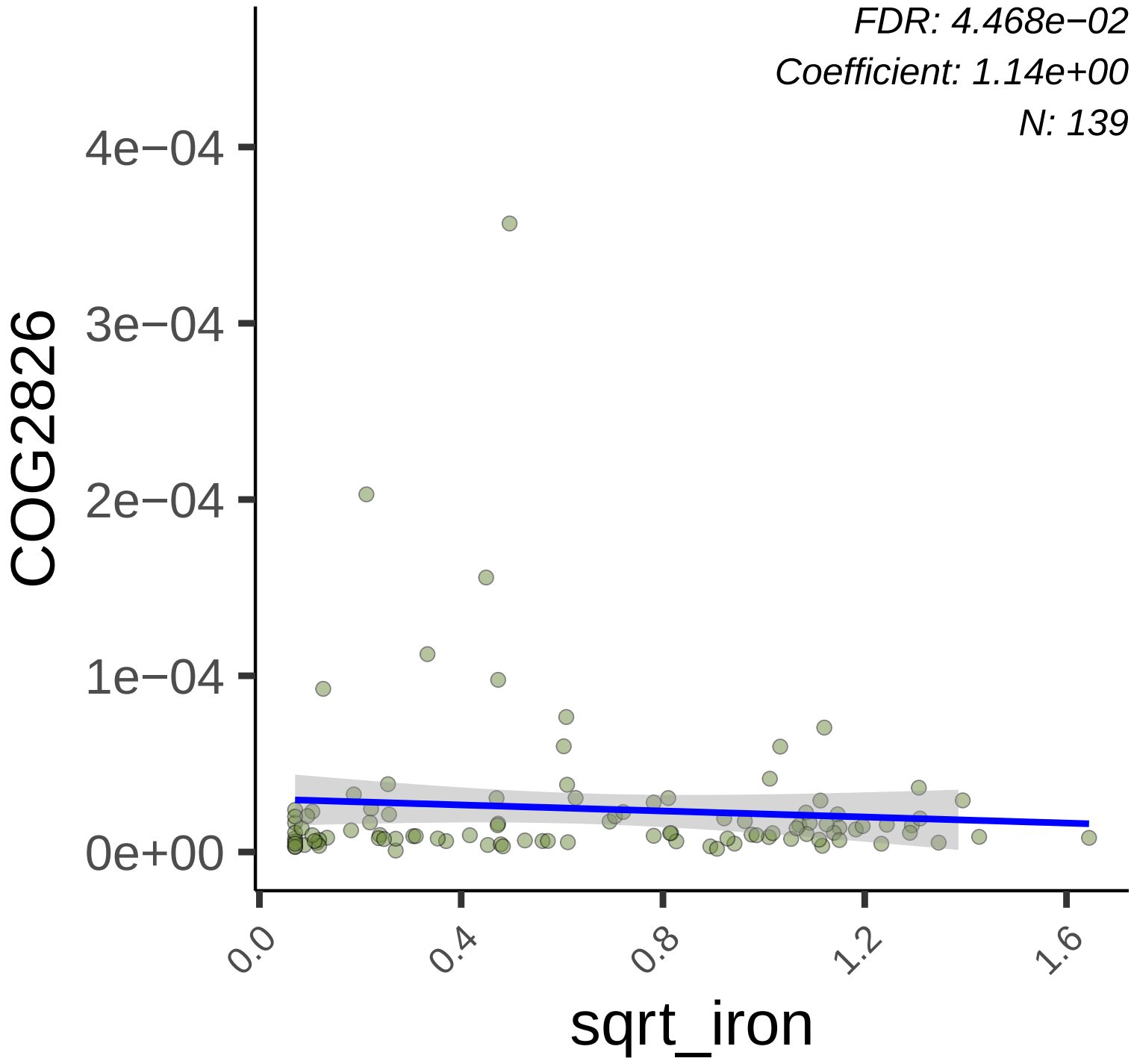
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.455e−02
Coefficient: 1.37e+00
N: 139
COG3326
4e−05
3e−05
2e−05
1e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.468e−02
Coefficient: 1.14e+00
N: 139
COG2826
4e−04
3e−04
2e−04
1e−04
0e+00
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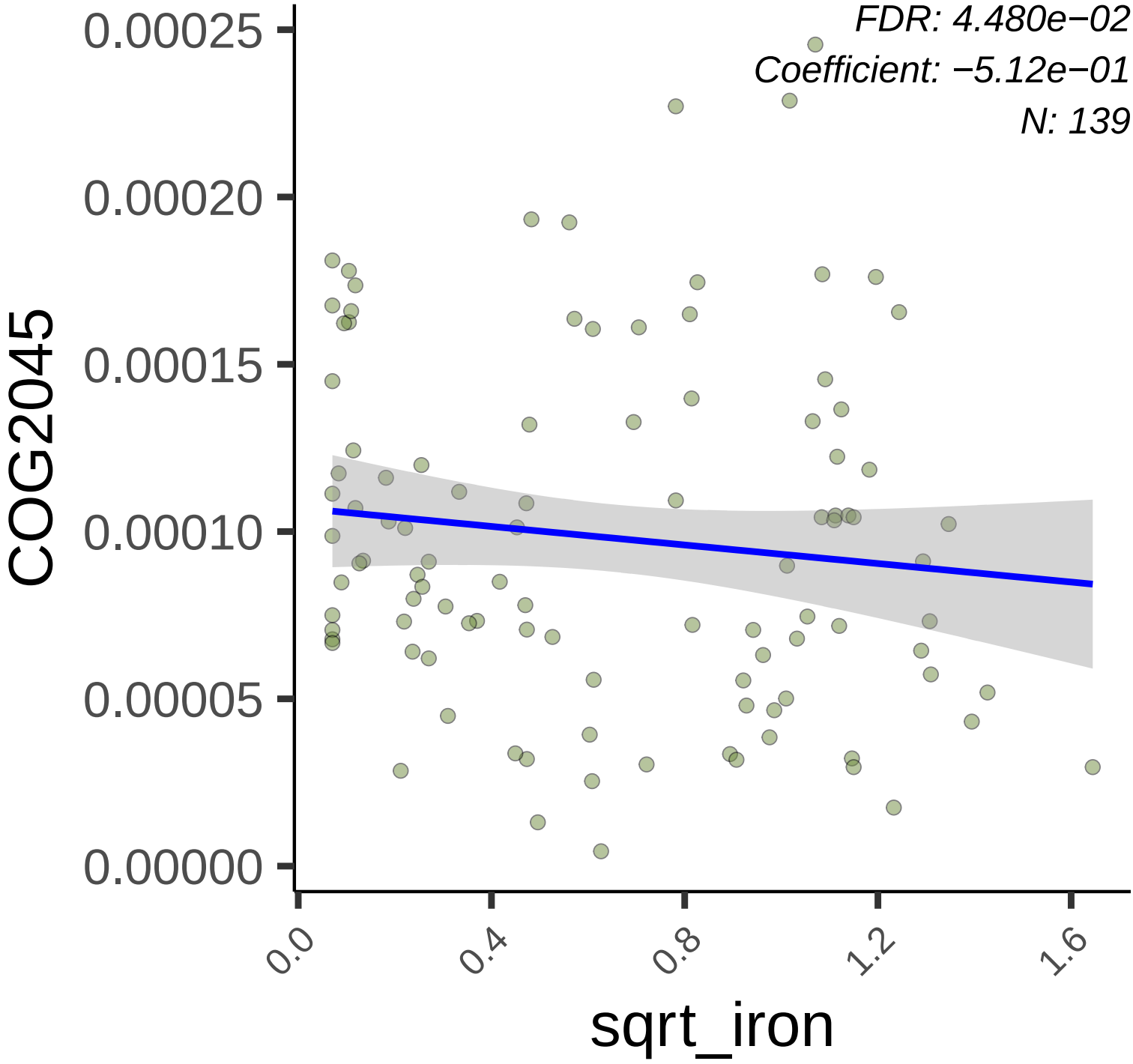
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.480e−02
Coefficient: −5.12e−01
N: 139
COG2045
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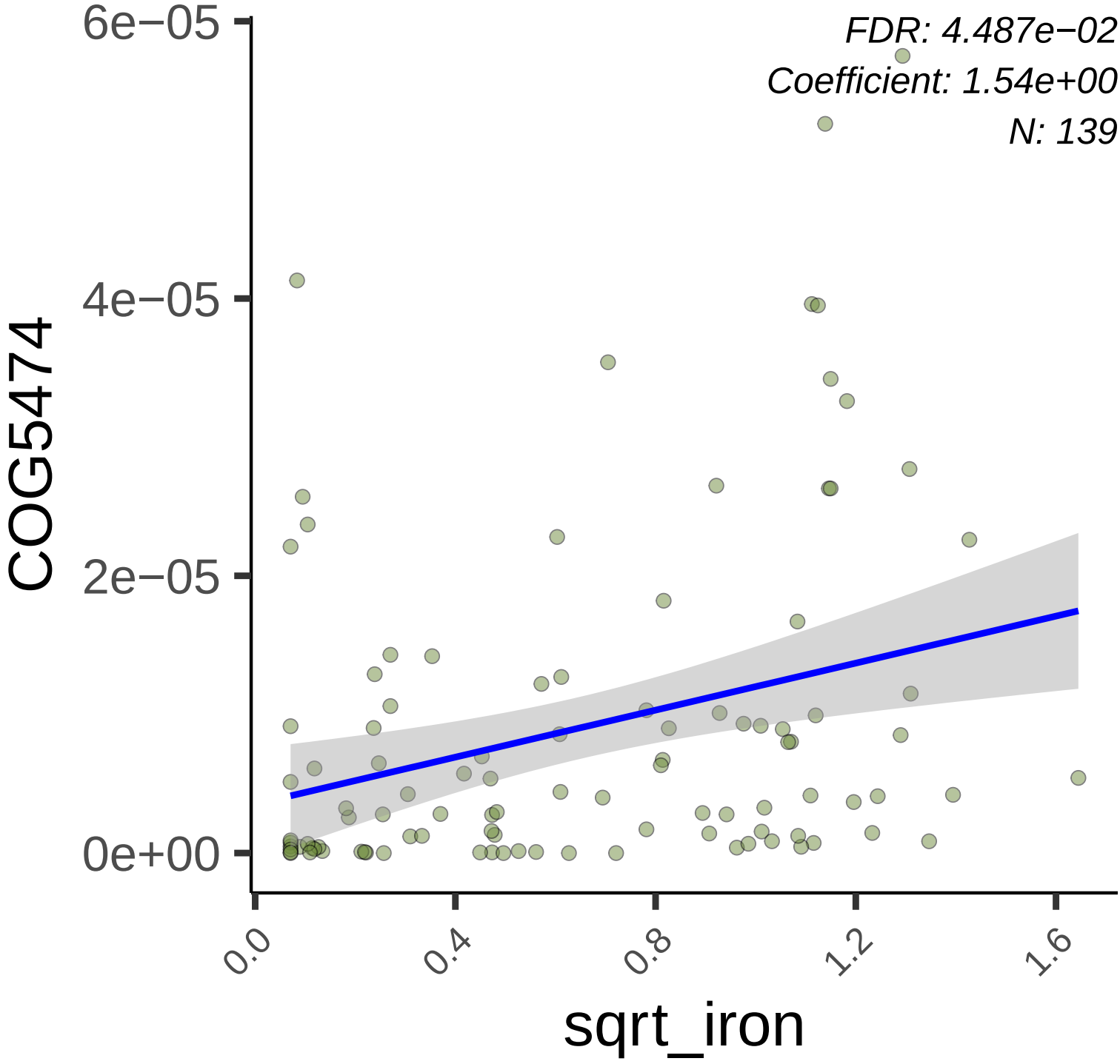
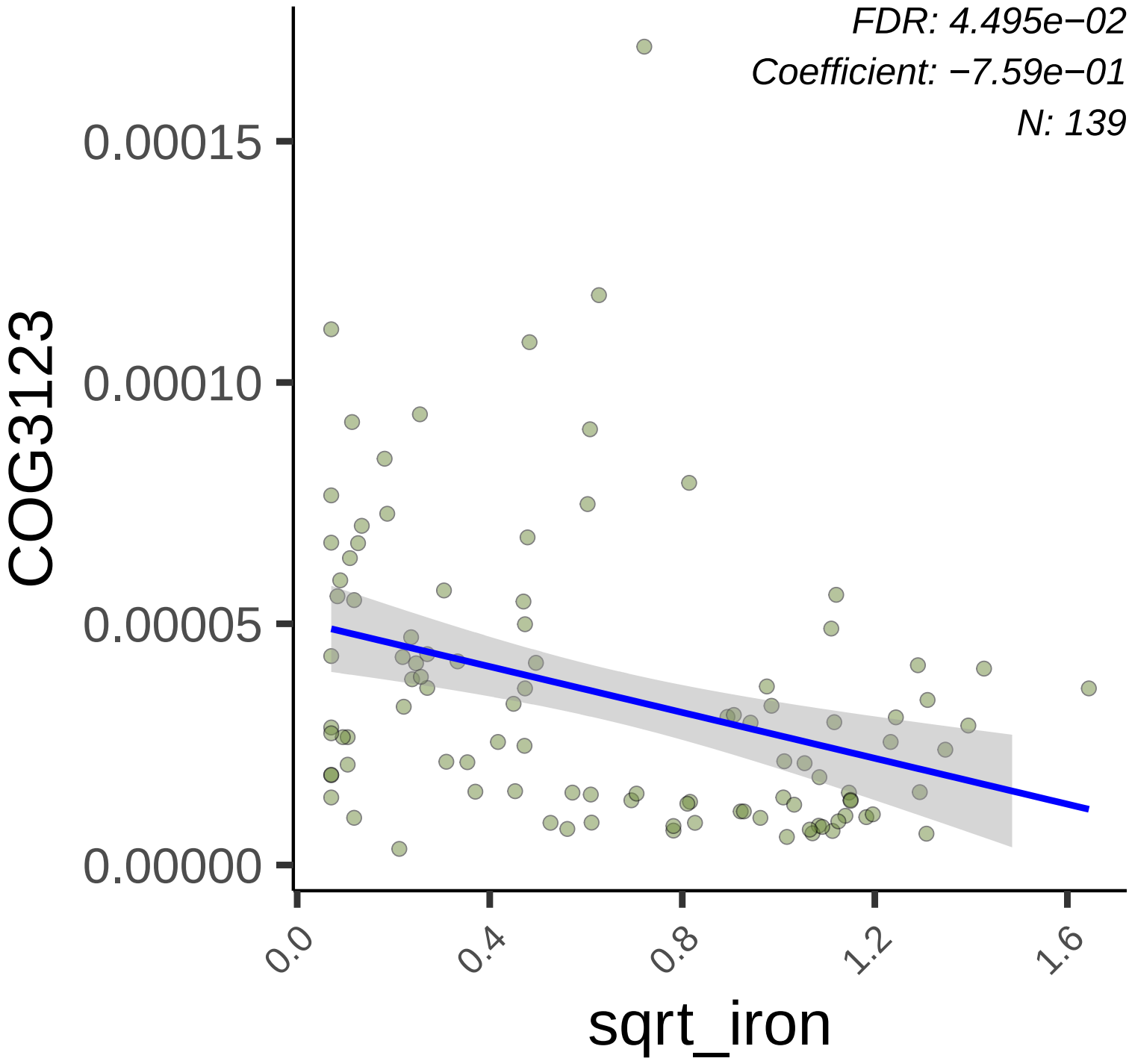
0.00020
0.00015
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.487e−02
Coefficient: 1.54e+00
N: 139
6e−05
4e−05
2e−05
0e+00
COG5474
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.495e−02
Coefficient: −7.59e−01
N: 139
COG3123
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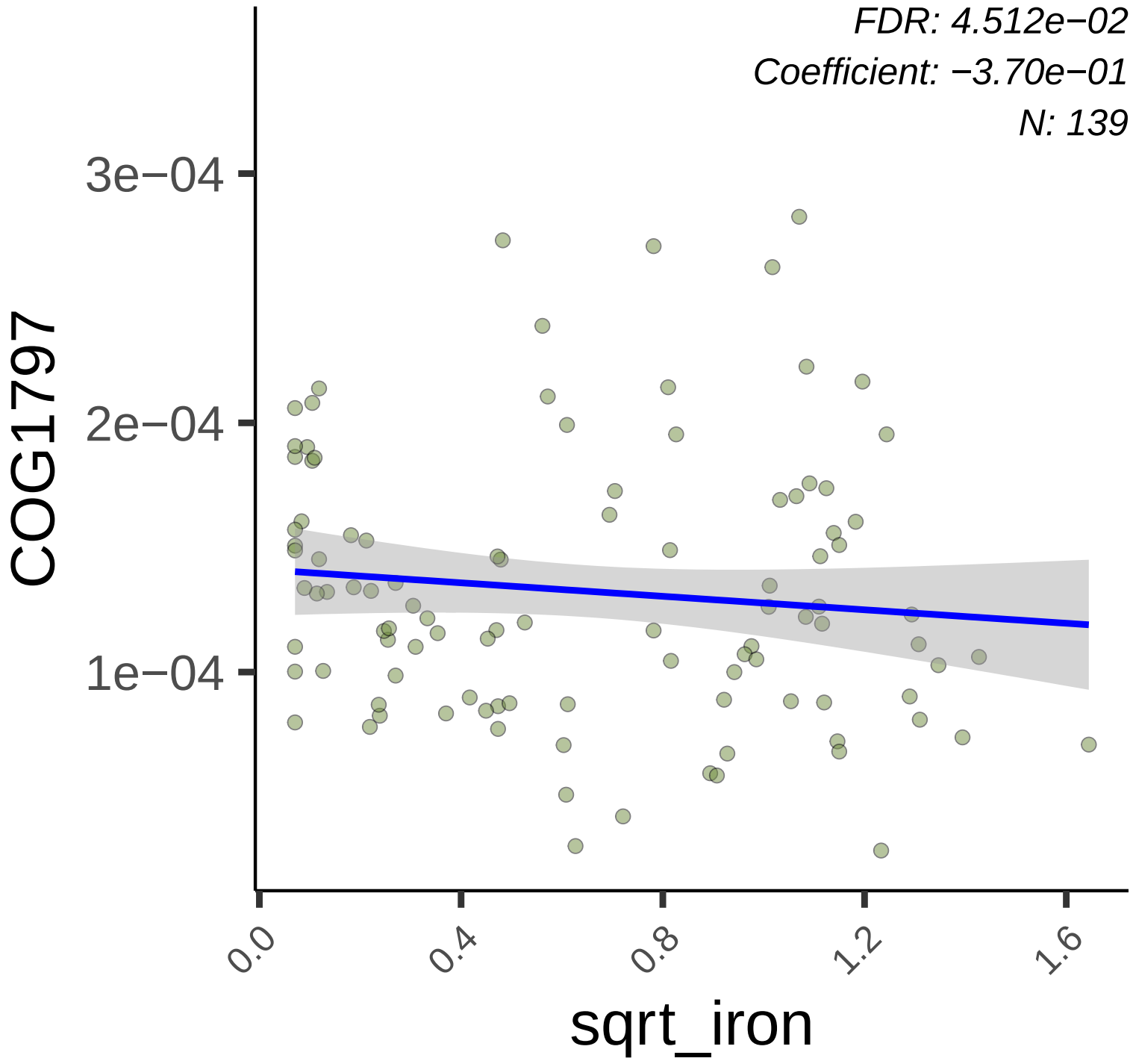
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.512e−02
Coefficient: −3.70e−01
N: 139
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2e−04
1e−04
COG1797
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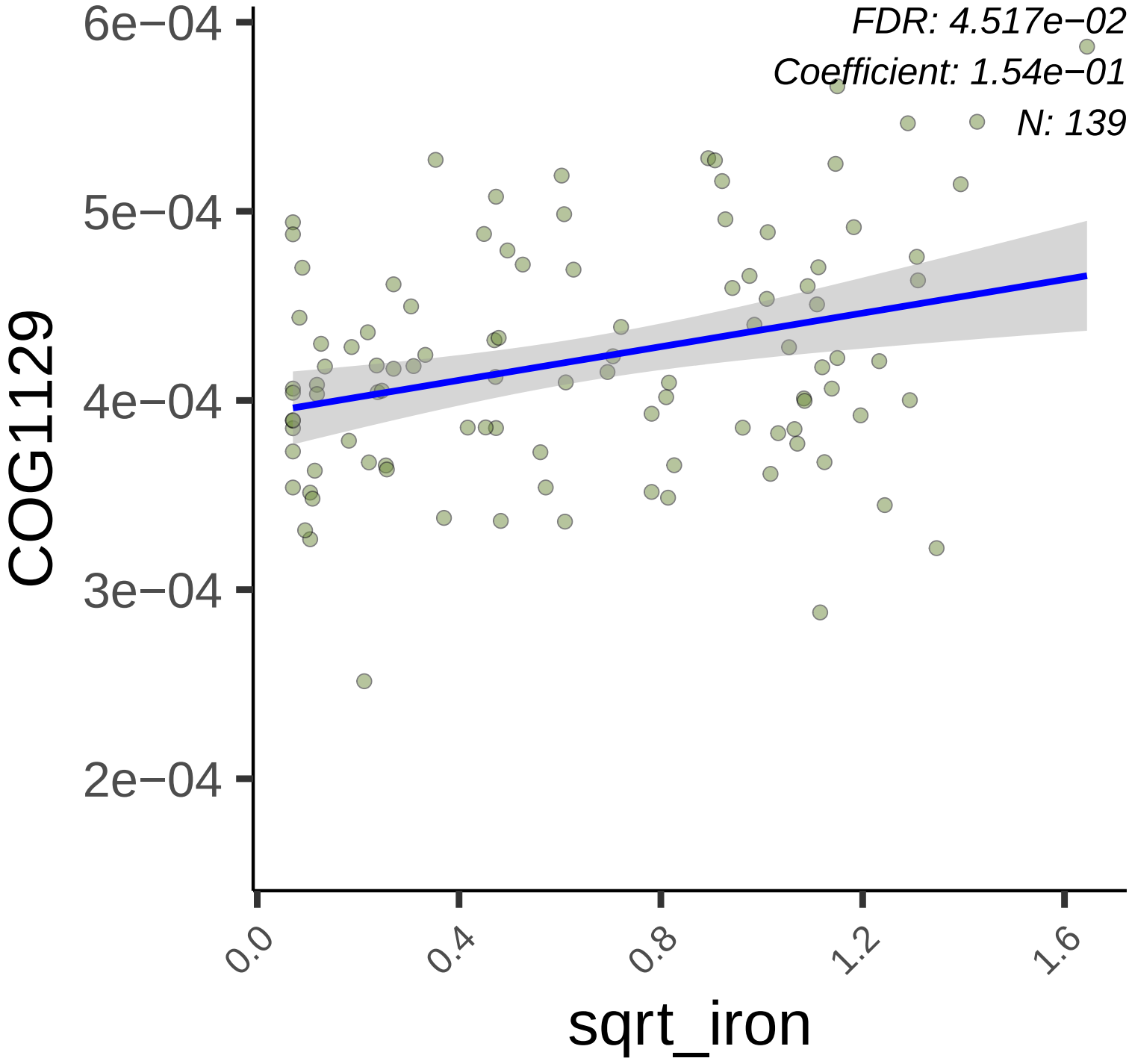
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.517e−02
Coefficient: 1.54e−01
N: 139
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5e−04
4e−04
3e−04
2e−04
COG1129
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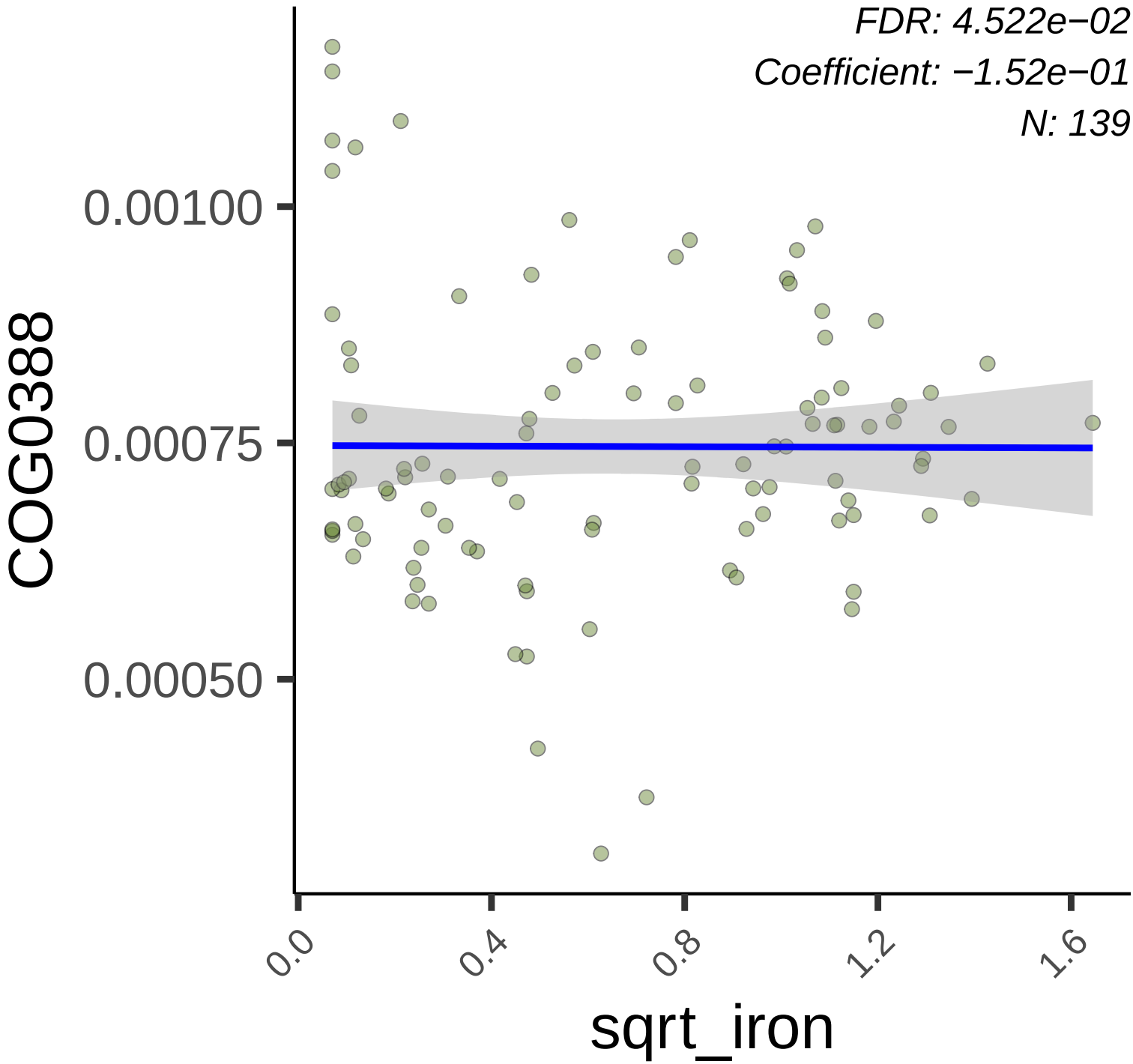
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.522e−02
Coefficient: −1.52e−01
N: 139
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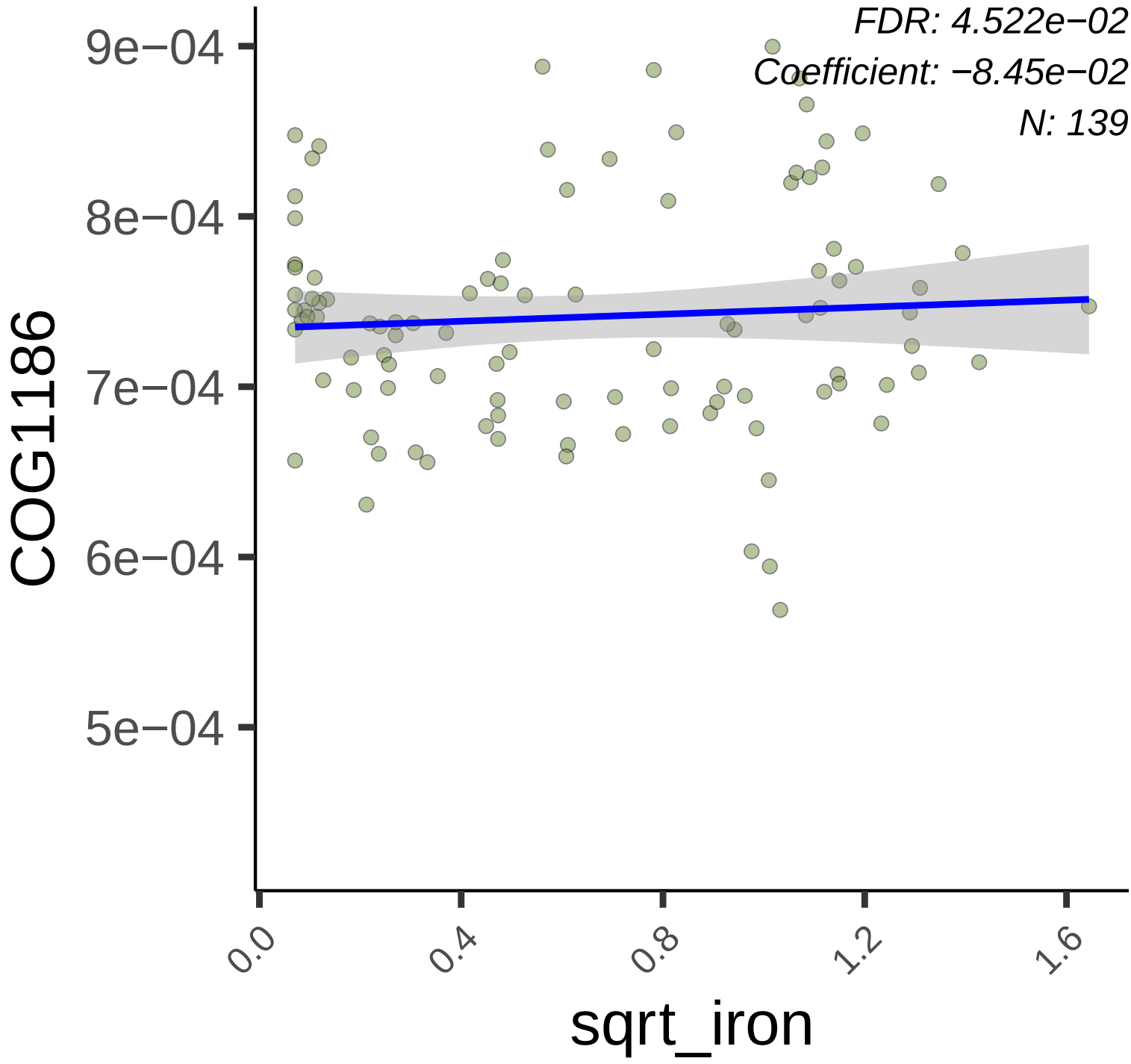
0.8
1.2
1.6
sqrt_iron


FDR: 4.522e−02
Coefficient: −8.45e−02
N: 139
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8e−04
7e−04
6e−04
5e−04
COG1186
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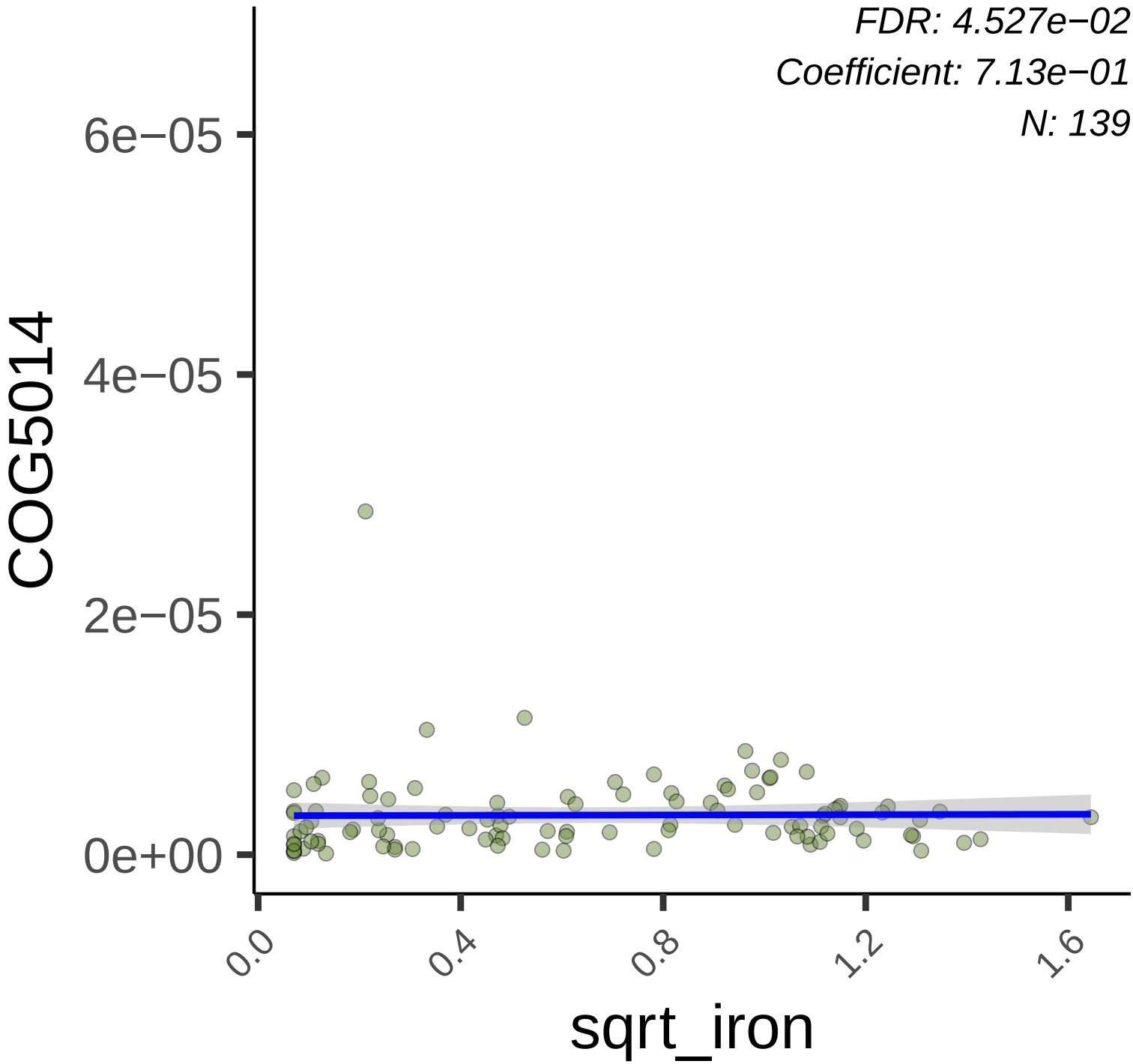
0.8
1.2
1.6
sqrt_iron


FDR: 4.527e−02
Coefficient: 7.13e−01
N: 139
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2e−05
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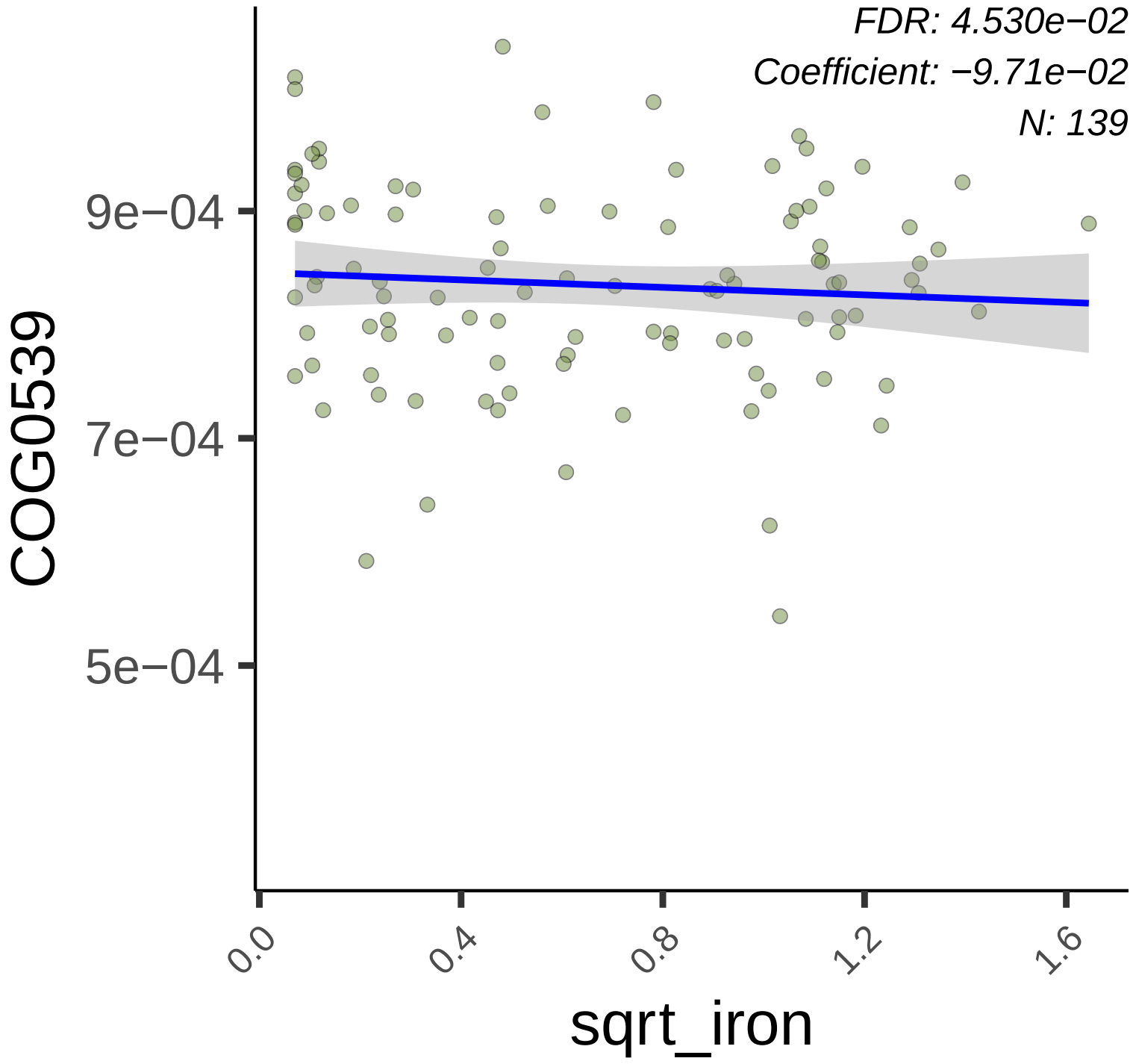
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.530e−02
Coefficient: −9.71e−02
N: 139
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7e−04
5e−04
COG0539
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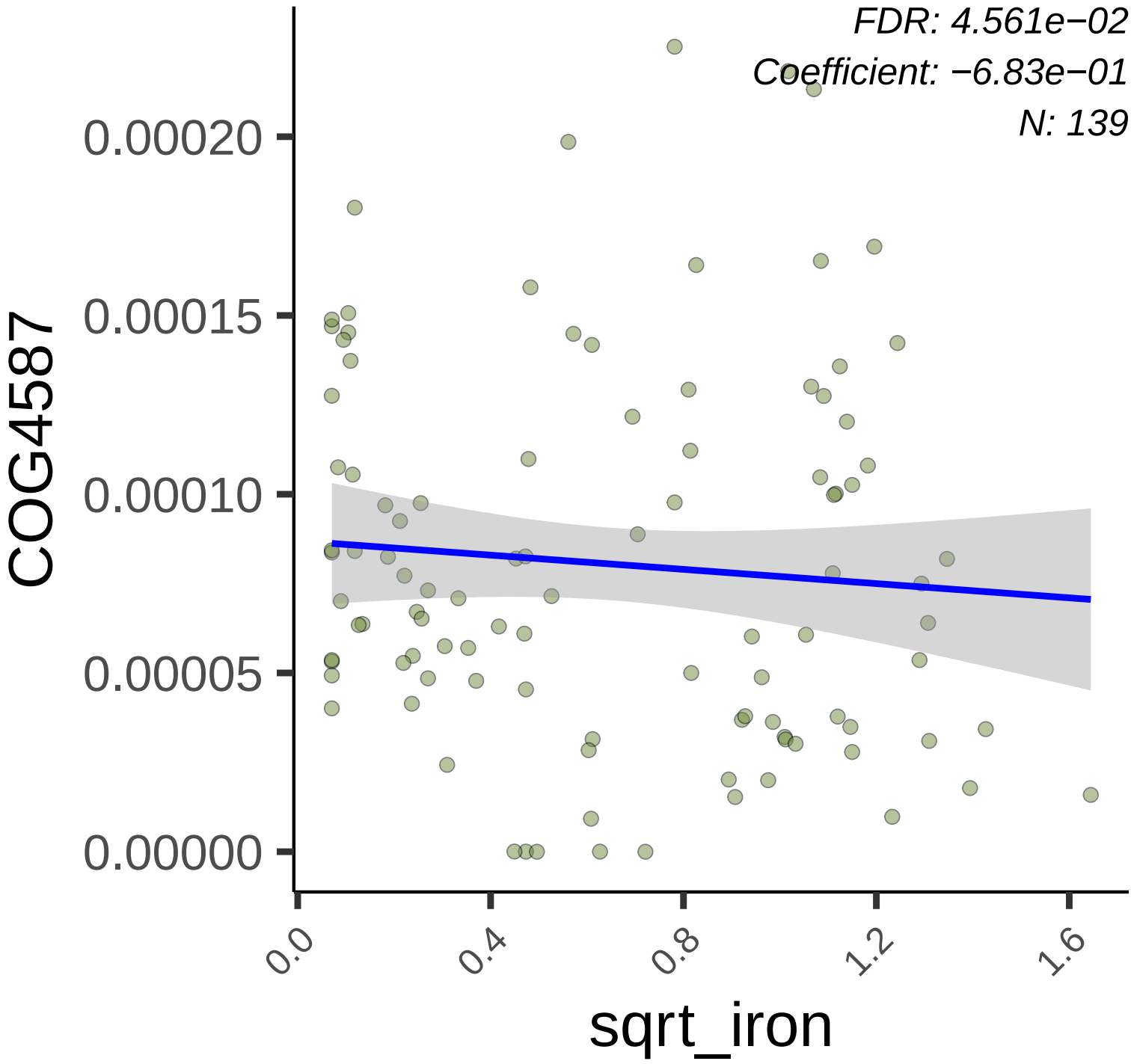
1.2
1.6
sqrt_iron


FDR: 4.561e−02
Coefficient: −6.83e−01
N: 139
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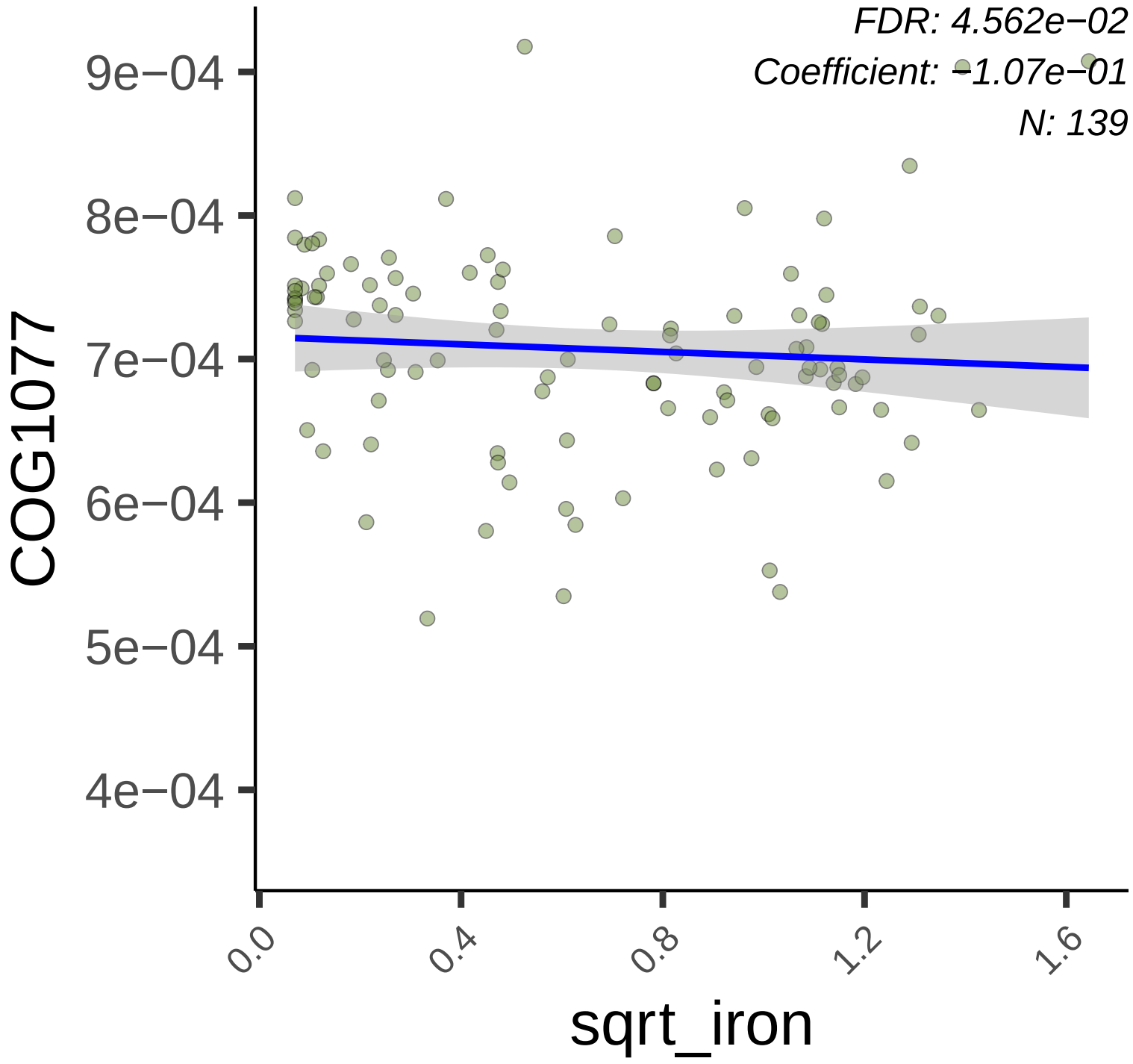
1.2
1.6
sqrt_iron


FDR: 4.562e−02
Coefficient: −1.07e−01
N: 139
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8e−04
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5e−04
4e−04
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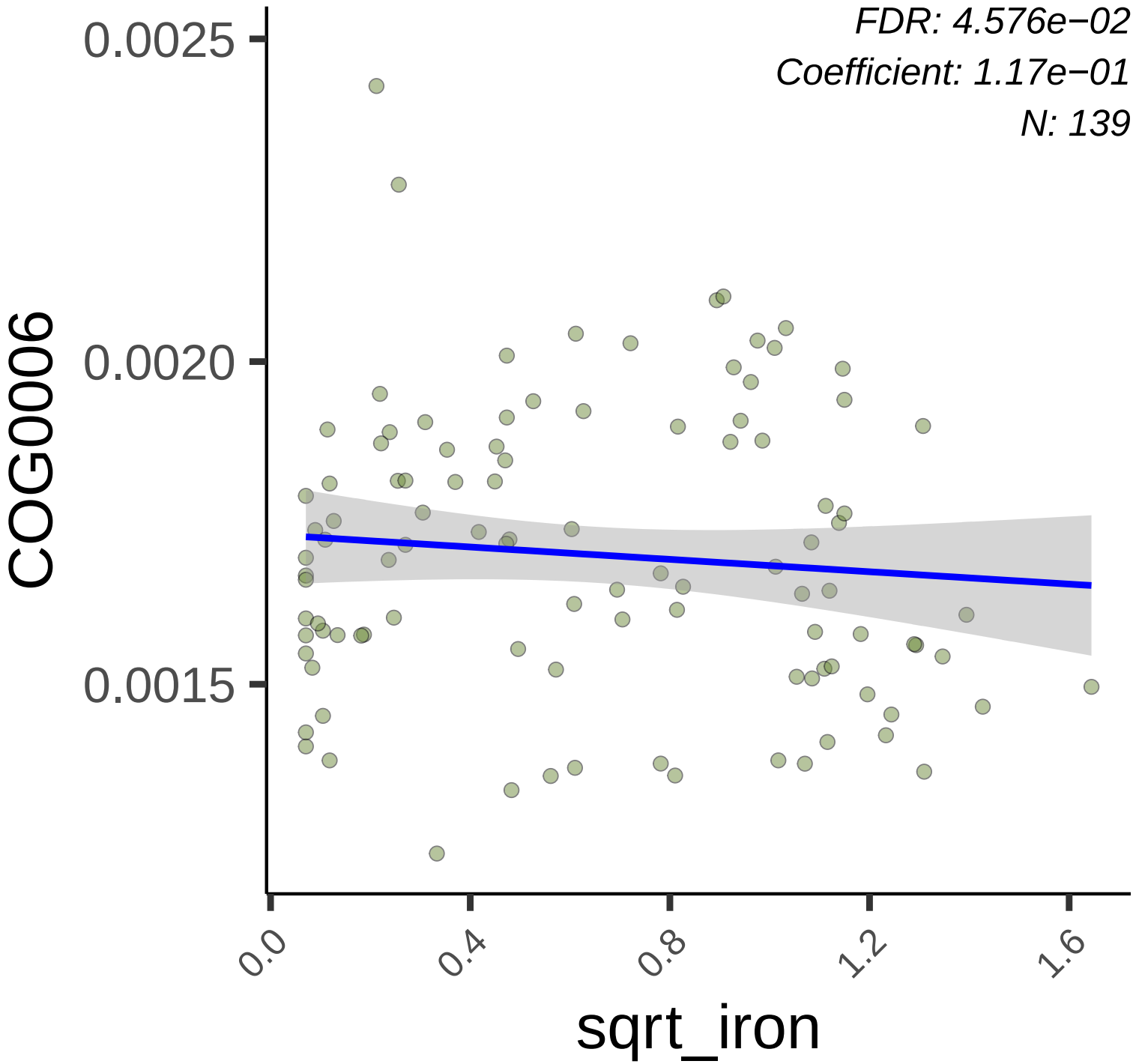
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.576e−02
Coefficient: 1.17e−01
N: 139
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0.0015
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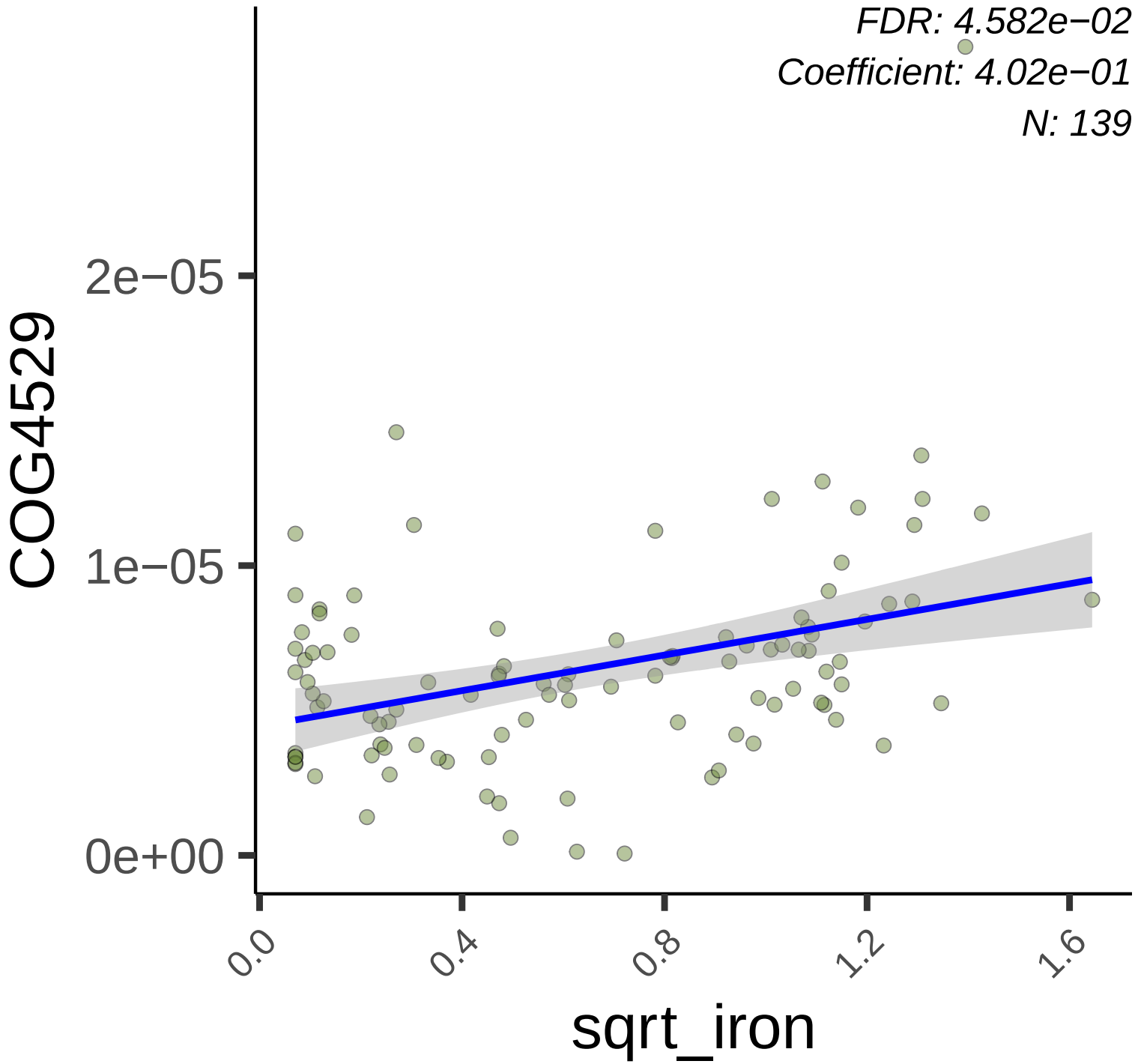
sqrt_iron


FDR: 4.582e−02
Coefficient: 4.02e−01
N: 139
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0.4
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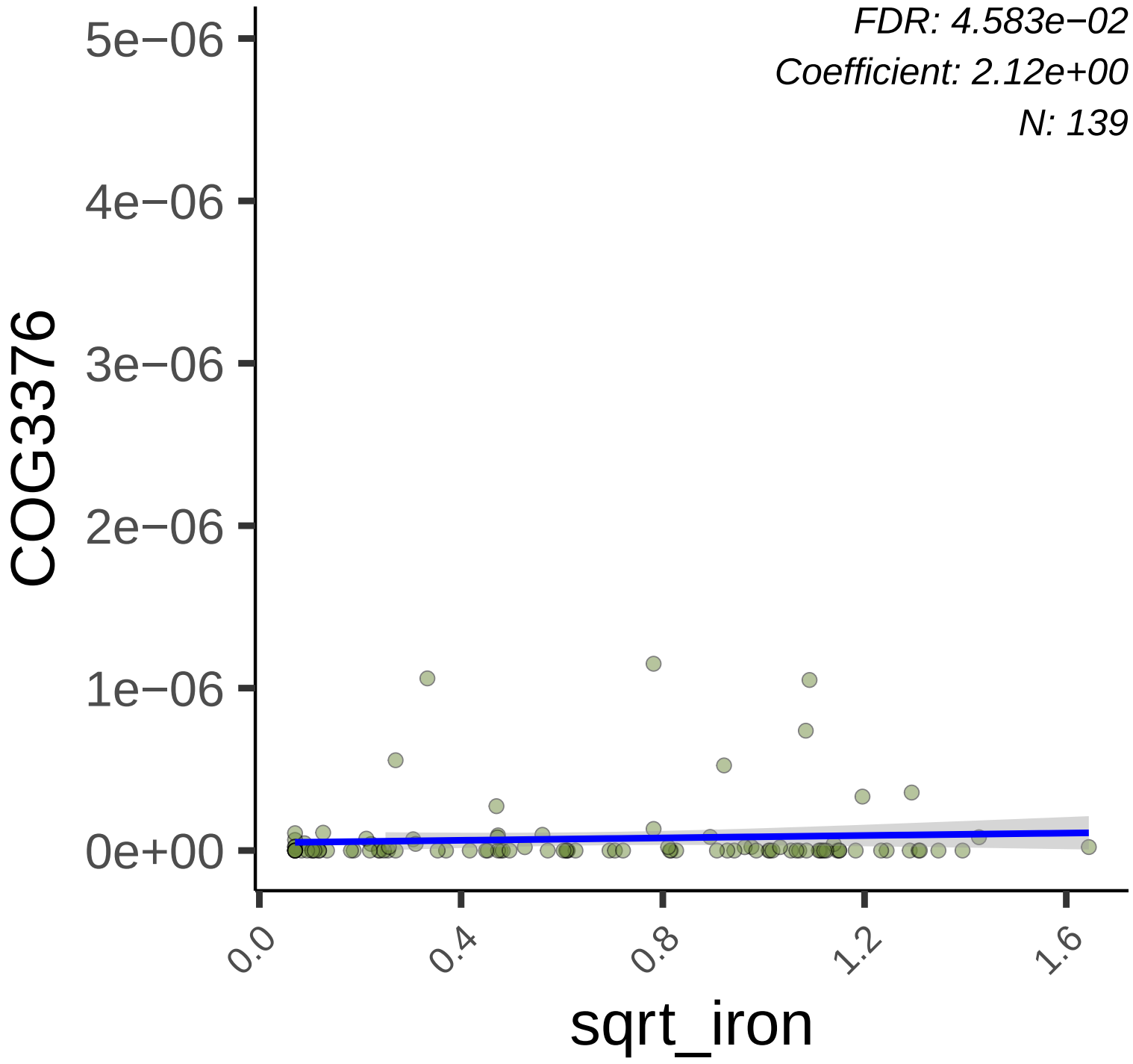
1.2
1.6
sqrt_iron


FDR: 4.583e−02
Coefficient: 2.12e+00
N: 139
COG3376
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2e−06
1e−06
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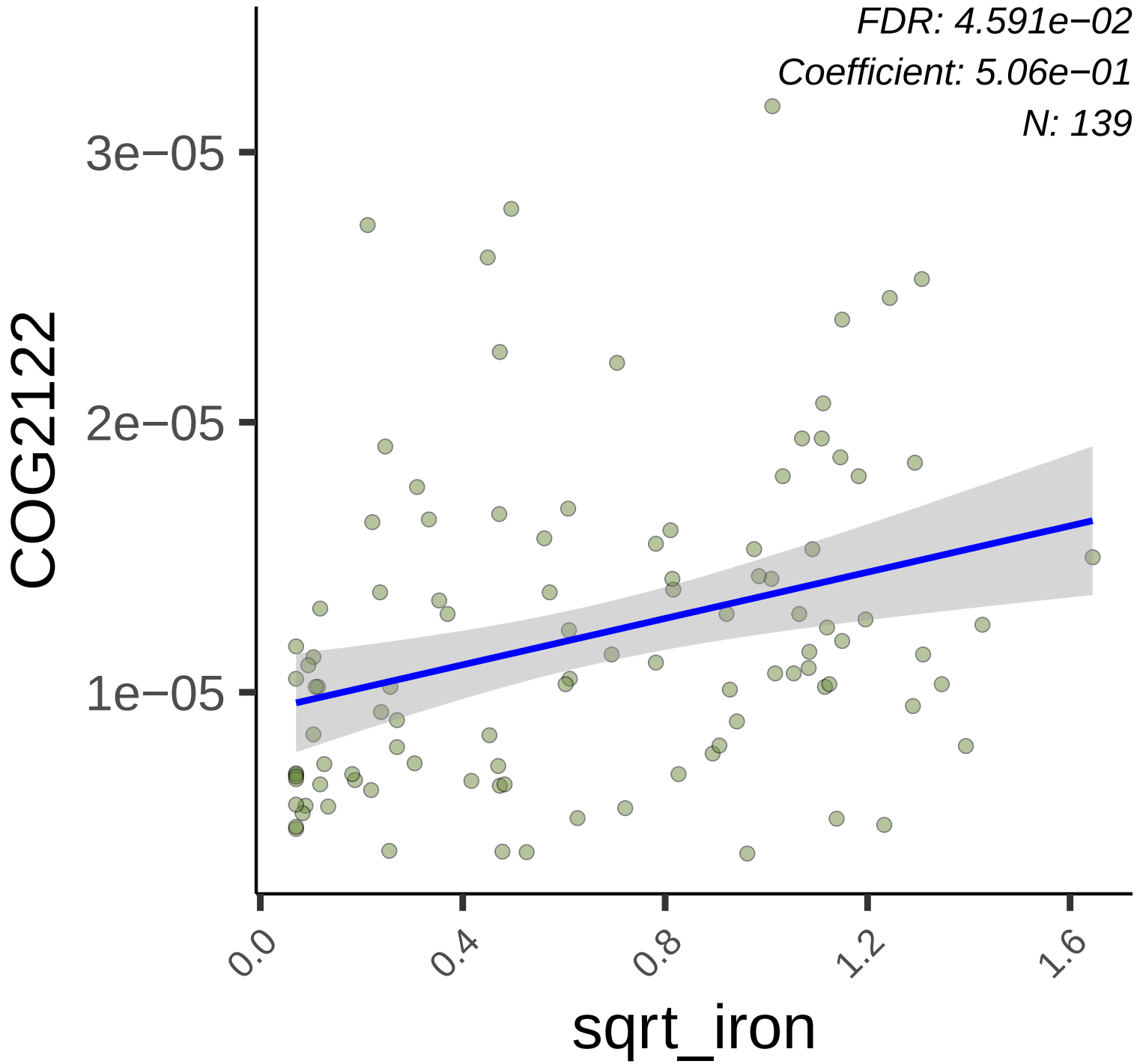
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.591e−02
Coefficient: 5.06e−01
N: 139
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1e−05
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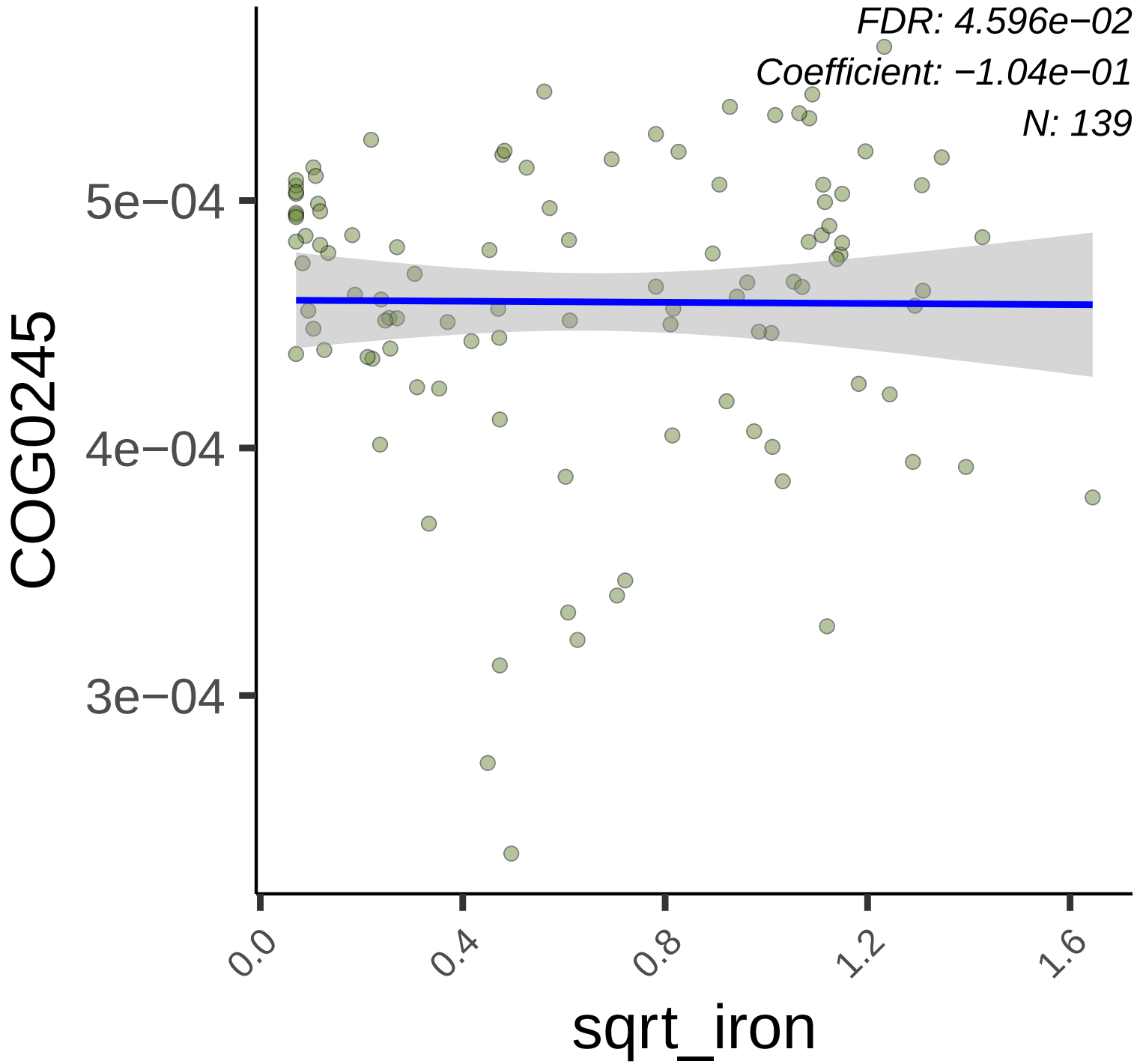
0.8
1.2
1.6
sqrt_iron


FDR: 4.596e−02
Coefficient: −1.04e−01
N: 139
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3e−04
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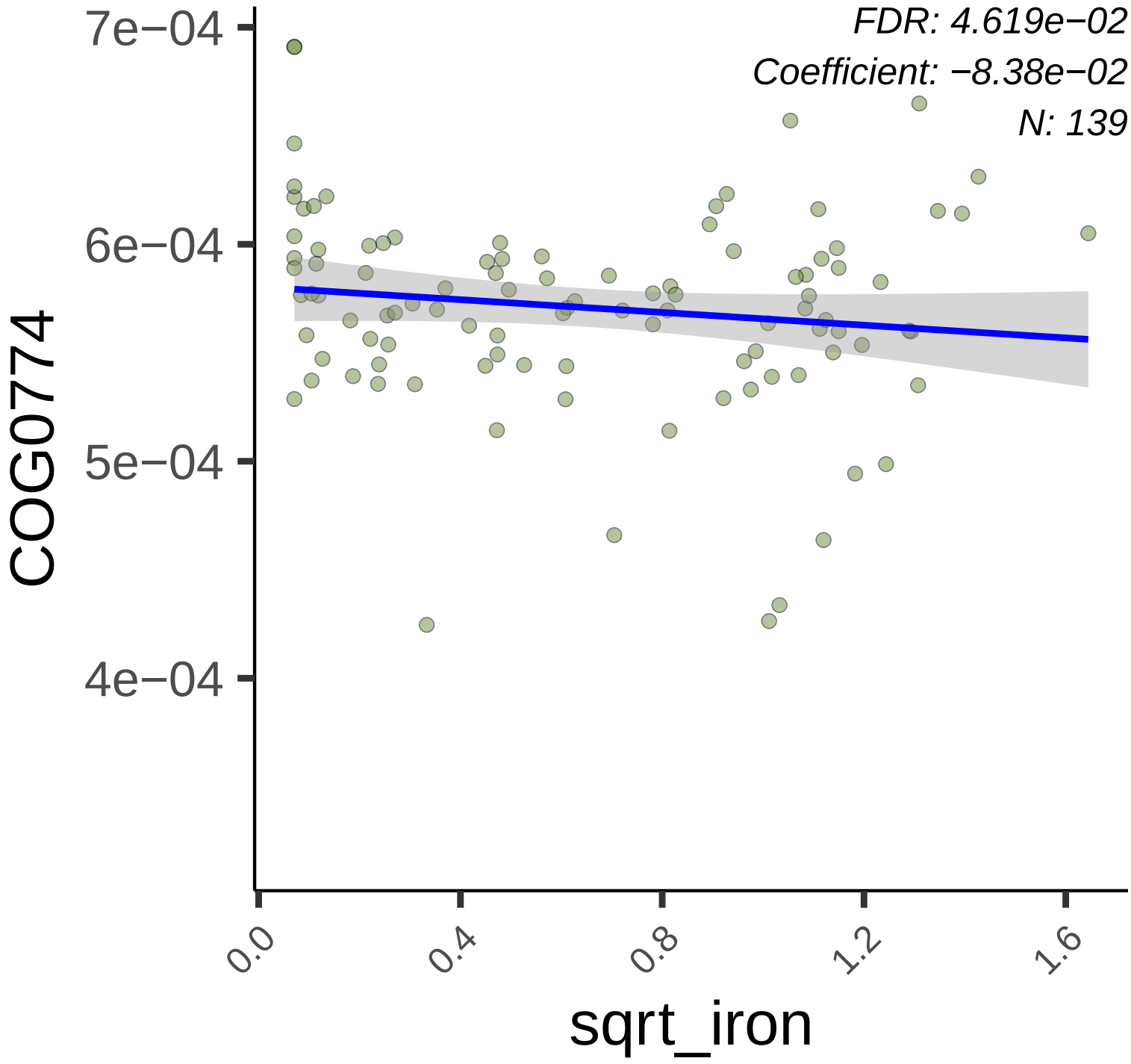
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.619e−02
Coefficient: −8.38e−02
N: 139
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COG0774
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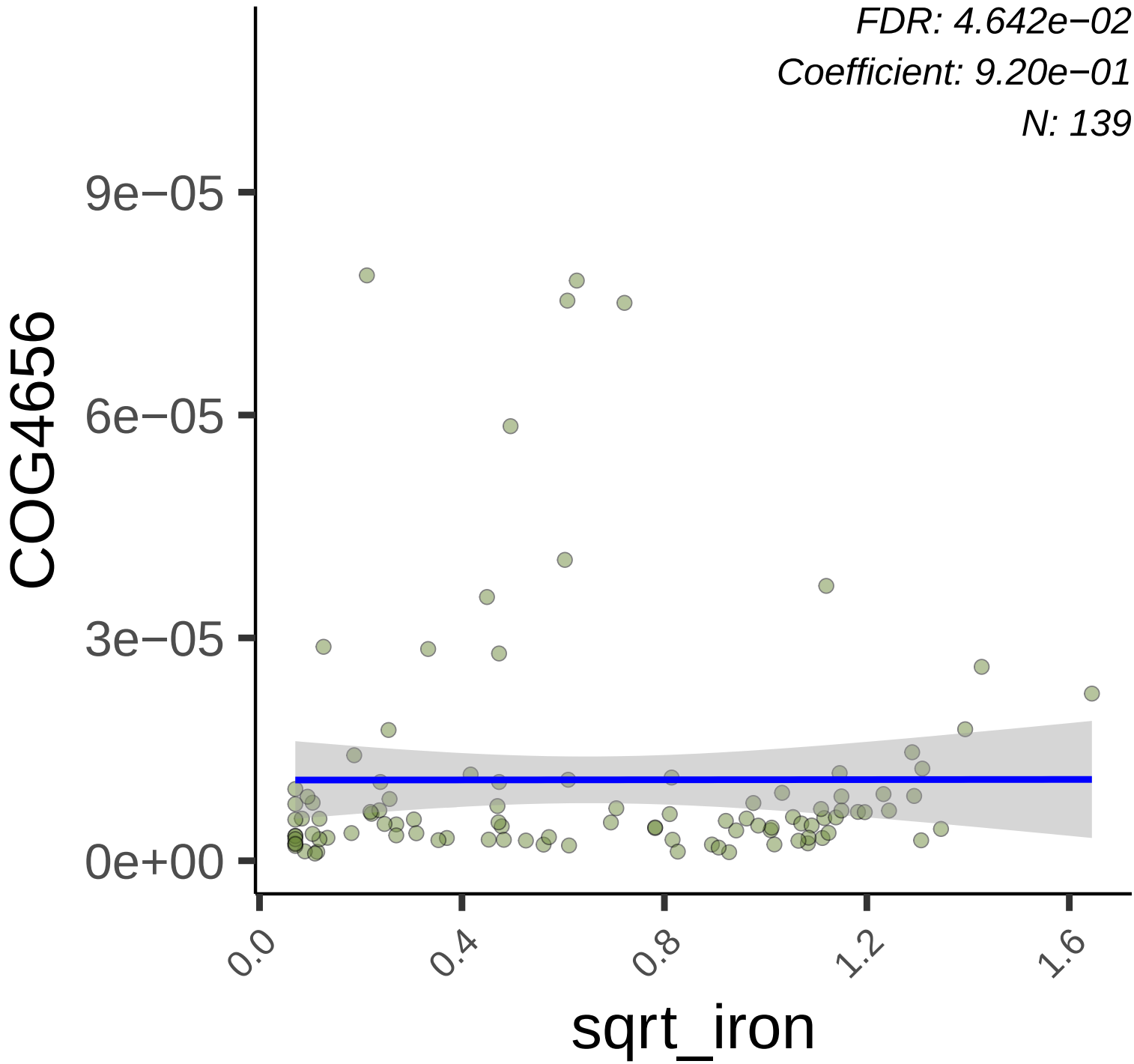
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.642e−02
Coefficient: 9.20e−01
N: 139
COG4656
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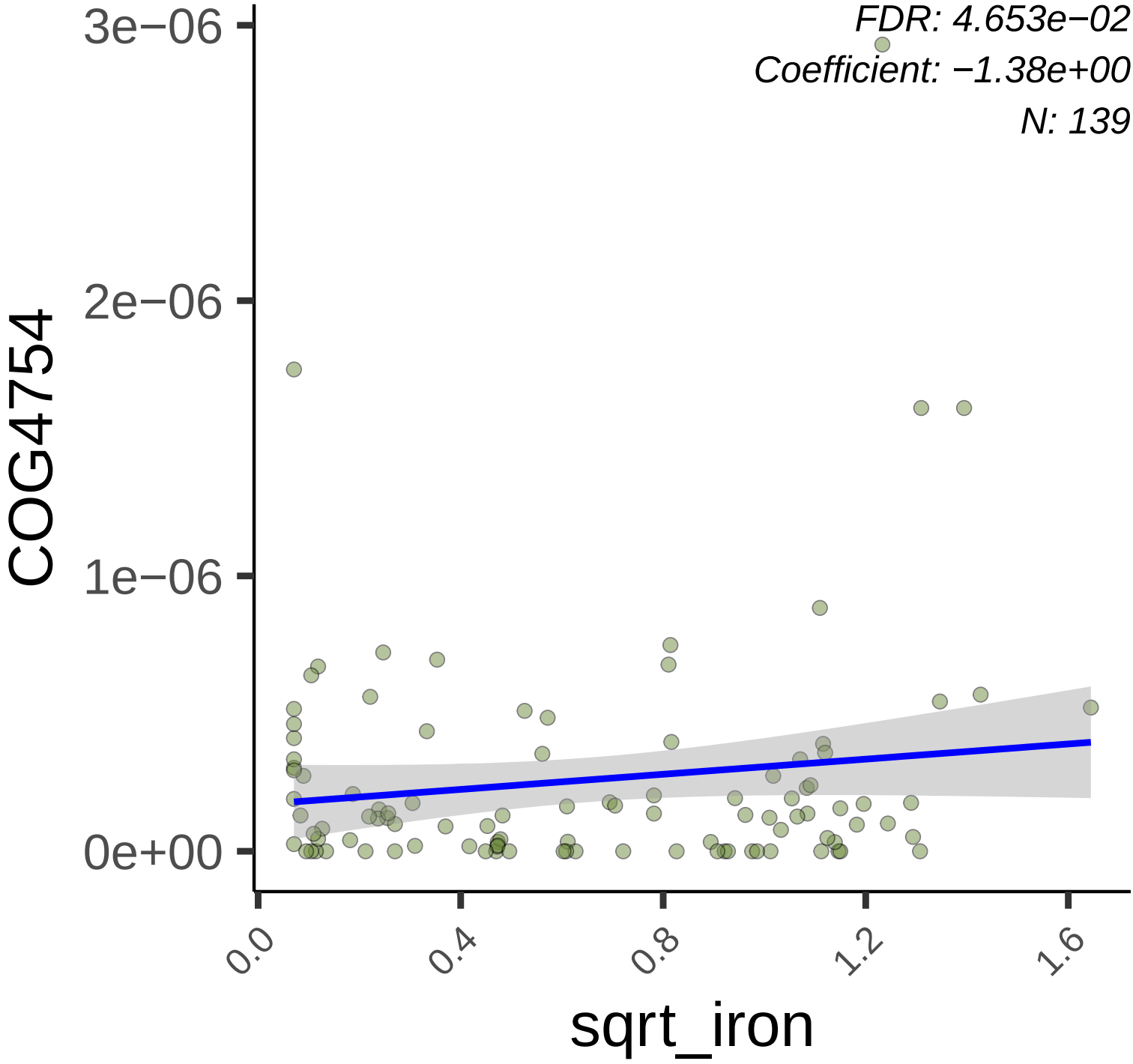
6e−05
3e−05
0e+00
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.653e−02
Coefficient: −1.38e+00
N: 139
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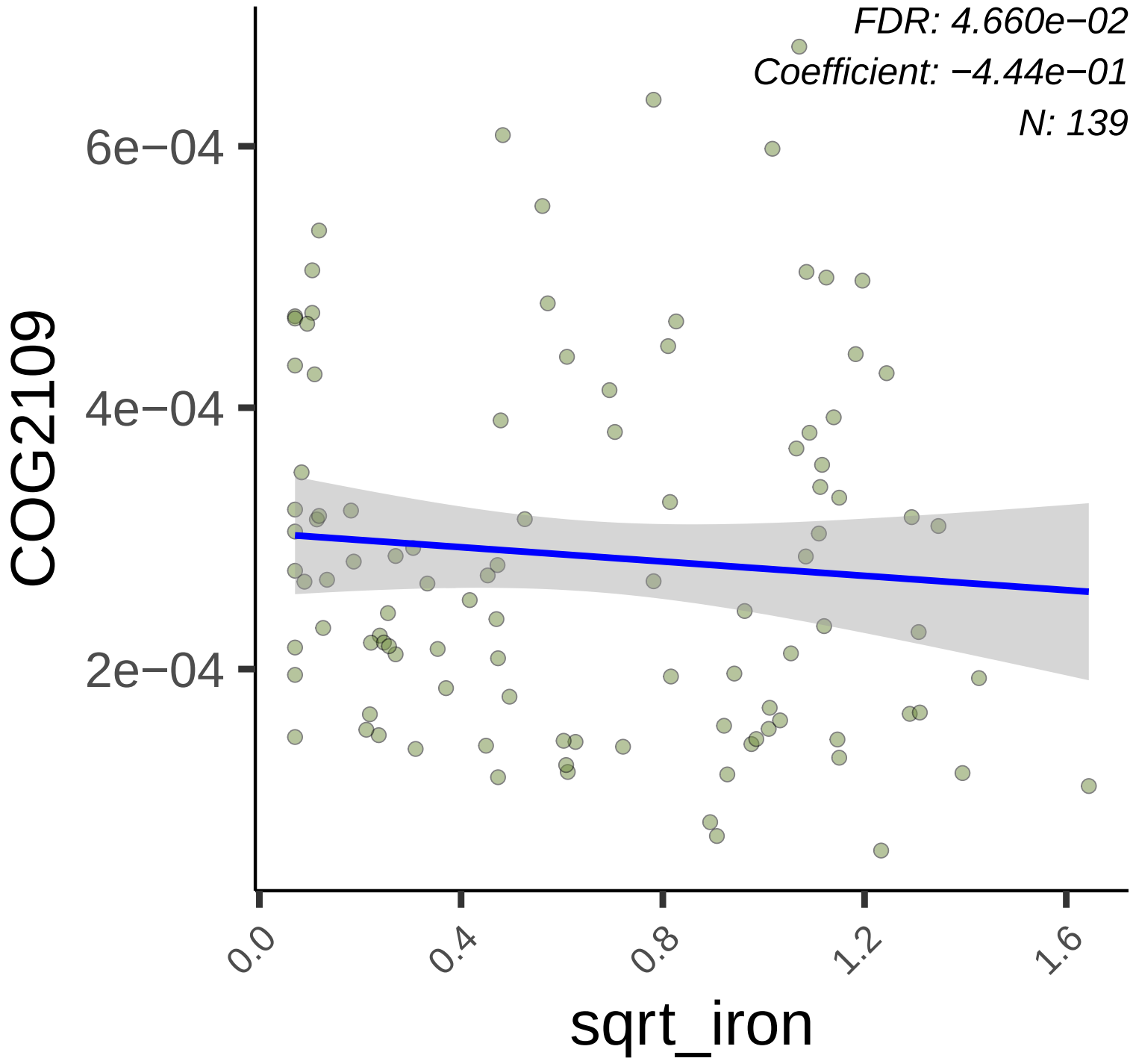
sqrt_iron


FDR: 4.660e−02
Coefficient: −4.44e−01
N: 139
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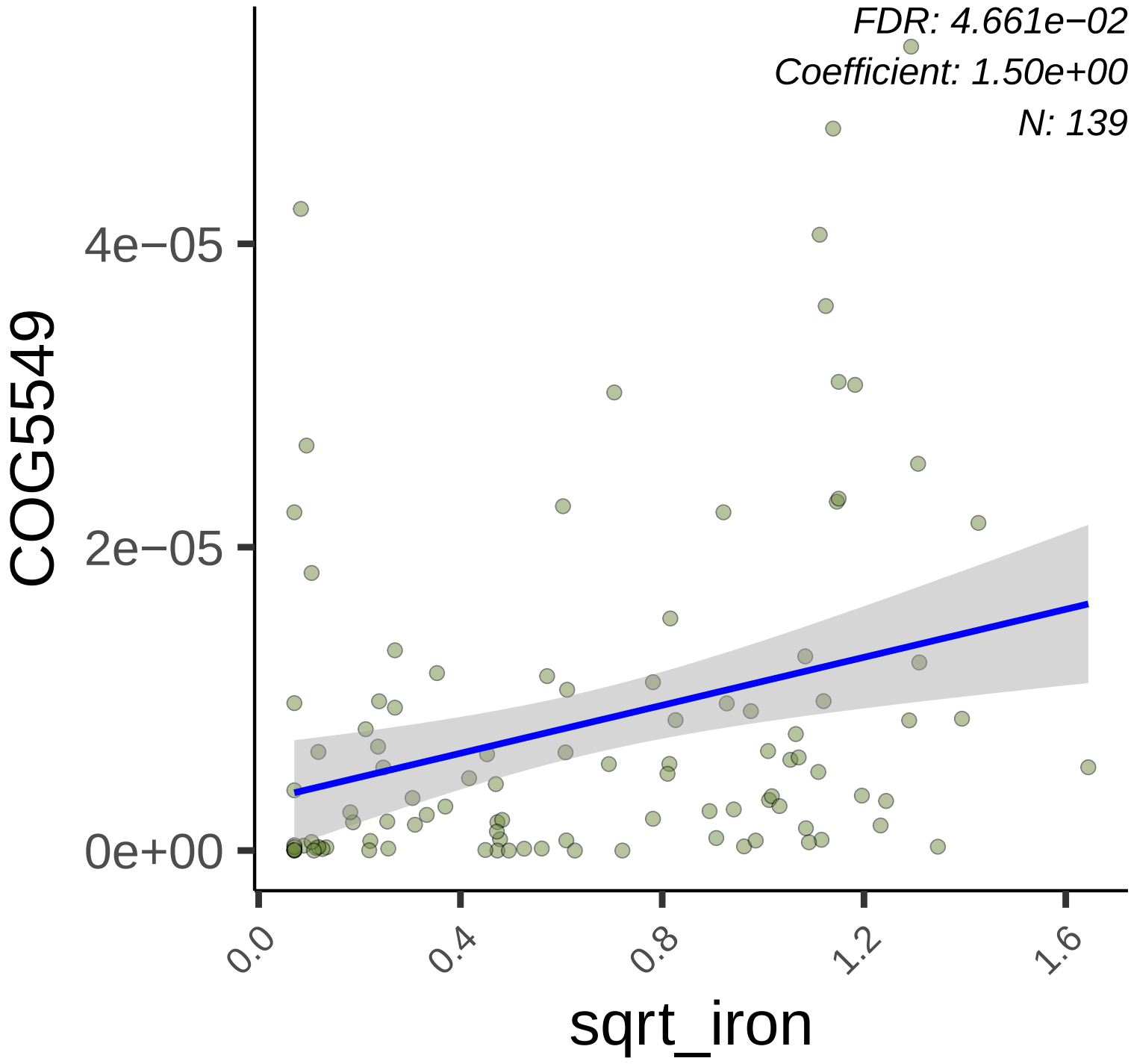
sqrt_iron


FDR: 4.661e−02
Coefficient: 1.50e+00
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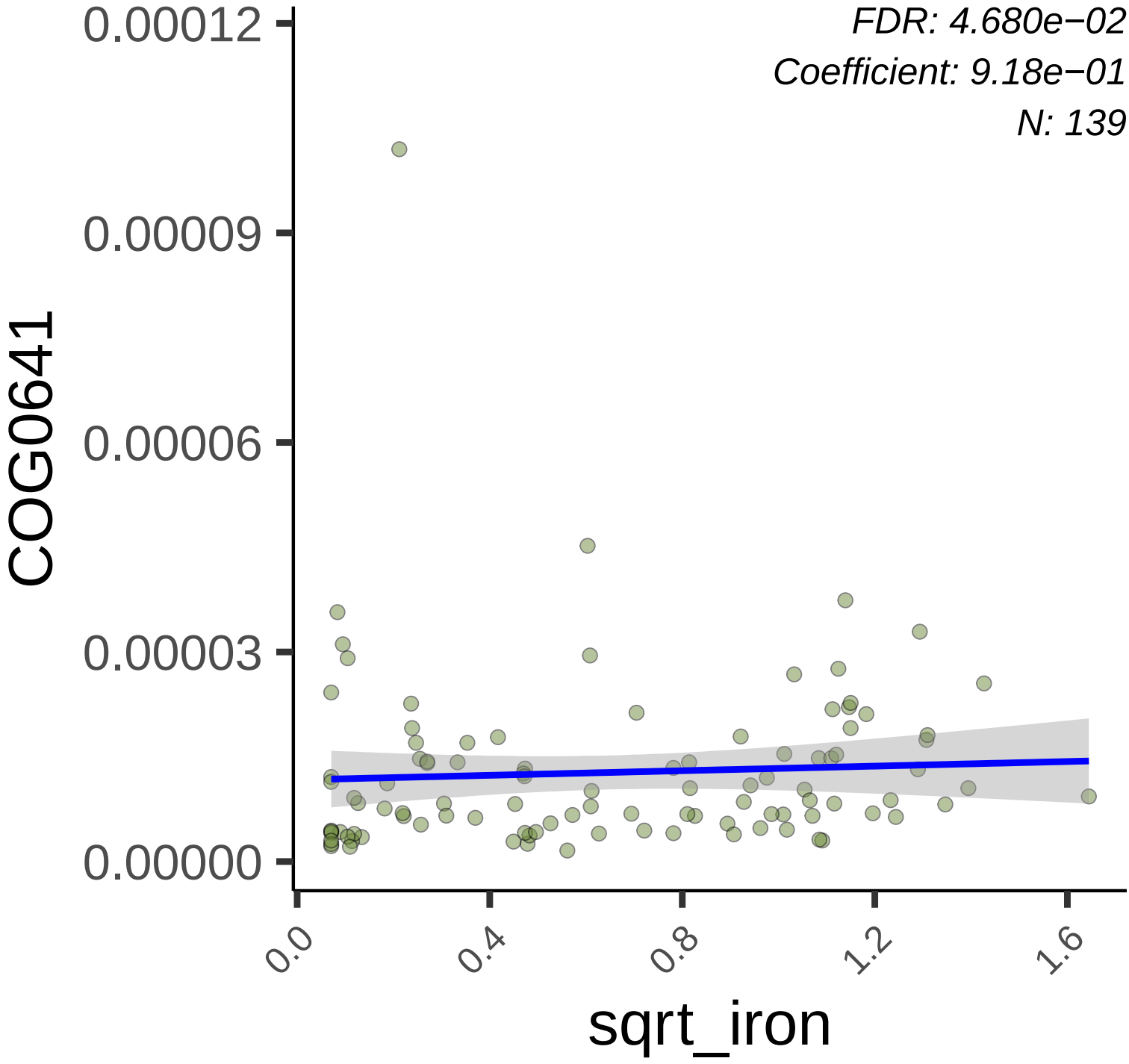
sqrt_iron


FDR: 4.680e−02
Coefficient: 9.18e−01
N: 139
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COG0641
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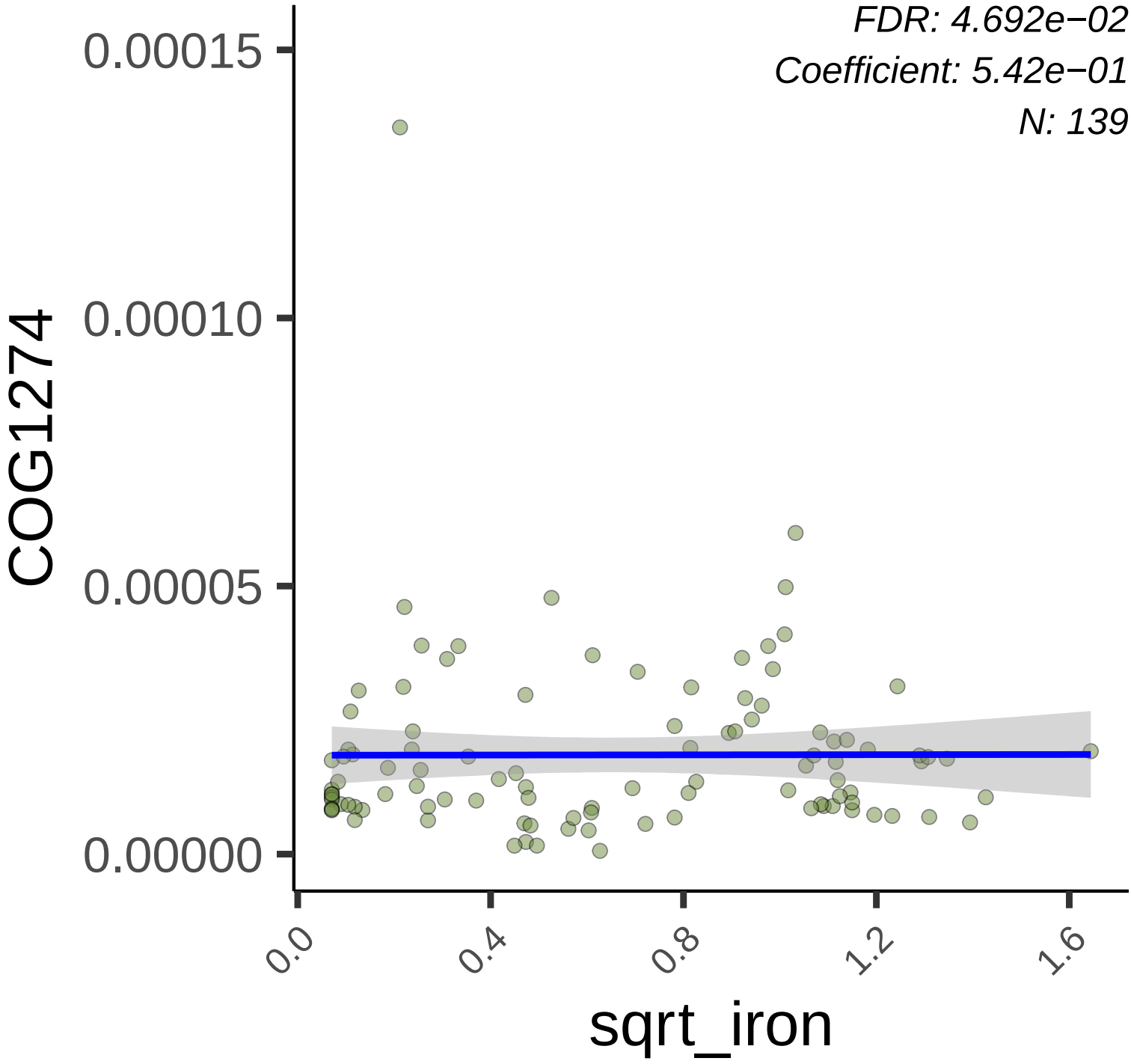
sqrt_iron


FDR: 4.692e−02
Coefficient: 5.42e−01
N: 139
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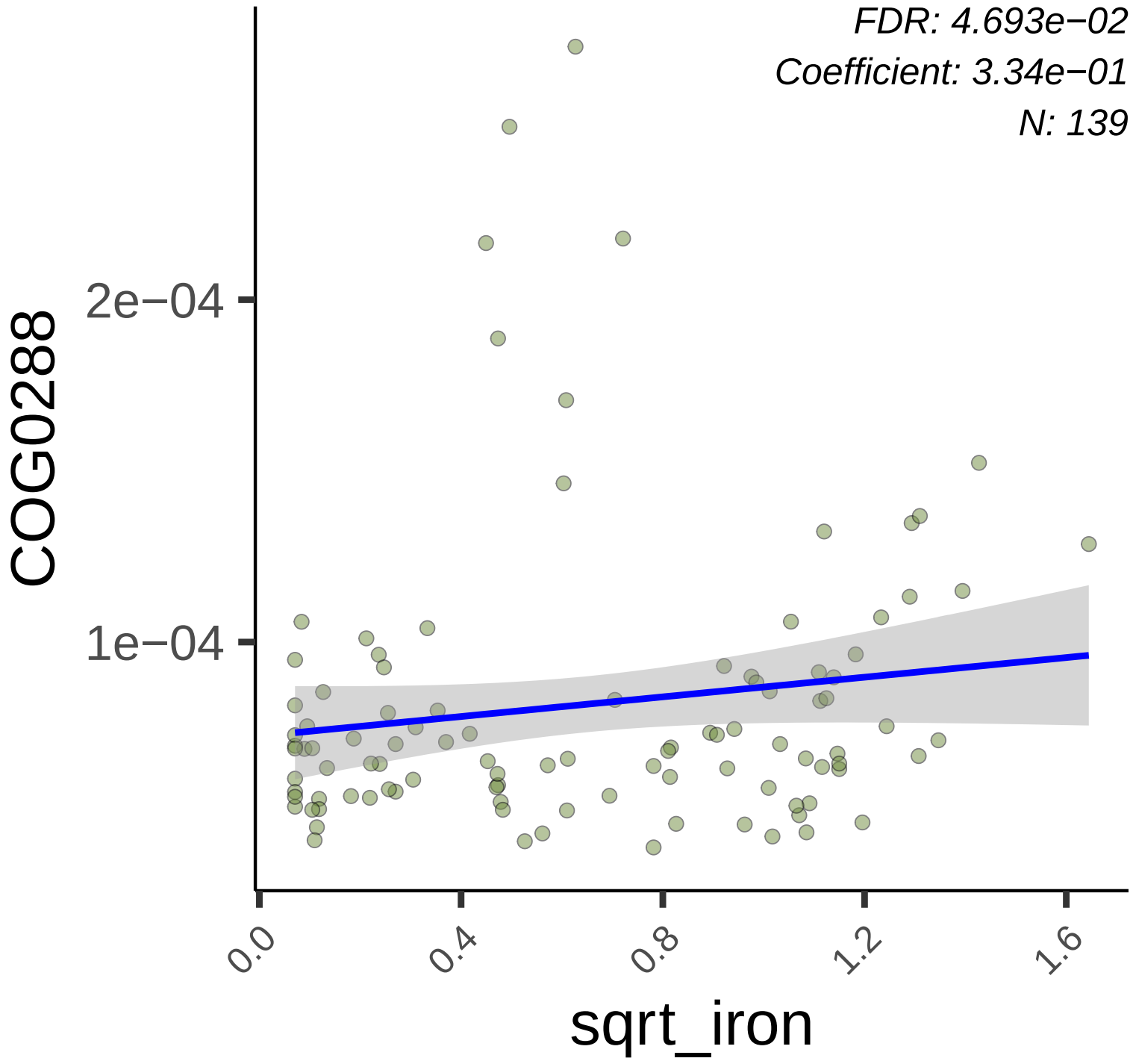
1.6
sqrt_iron


FDR: 4.693e−02
Coefficient: 3.34e−01
N: 139
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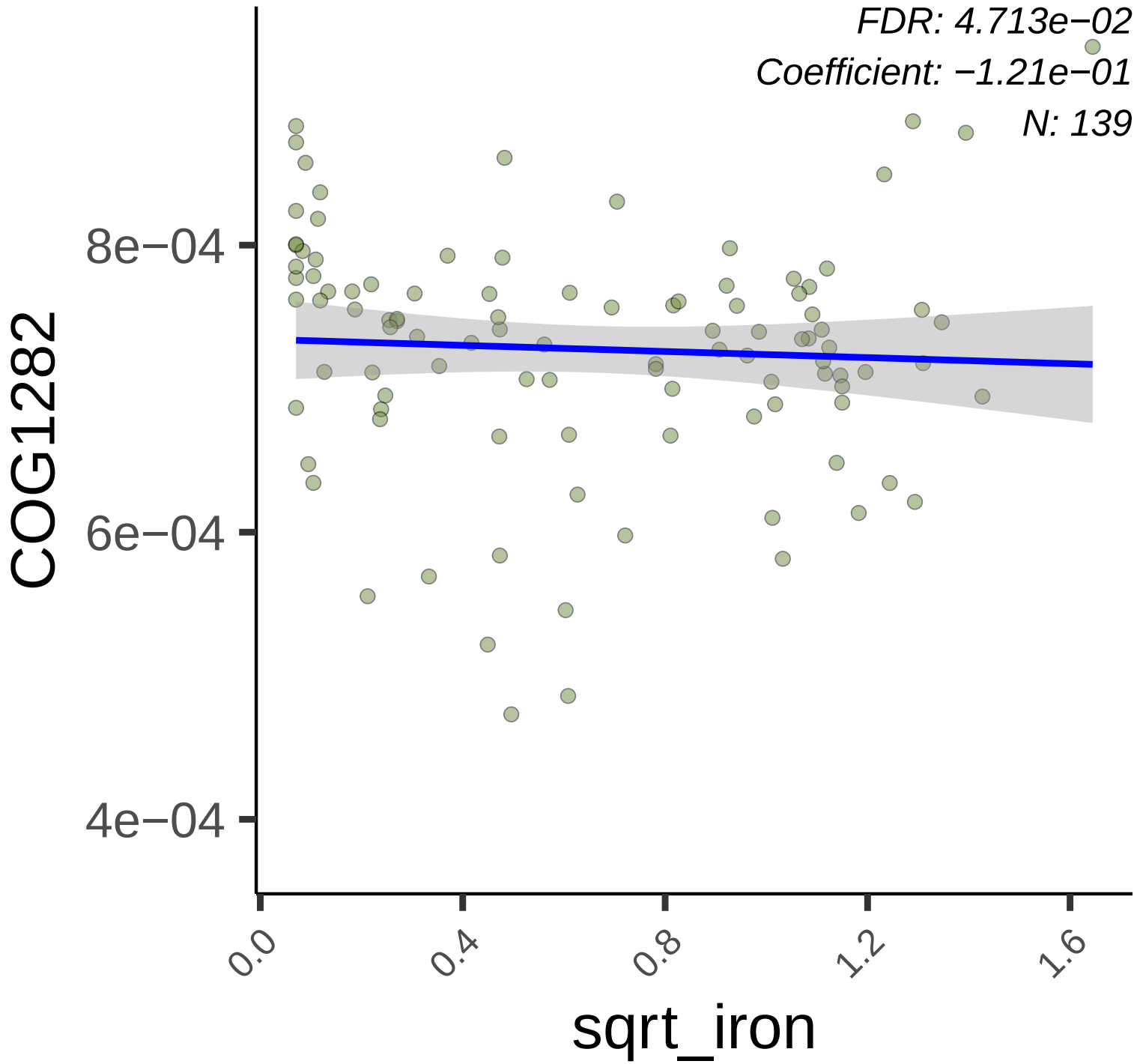
1.6
sqrt_iron


FDR: 4.713e−02
Coefficient: −1.21e−01
N: 139
COG1282
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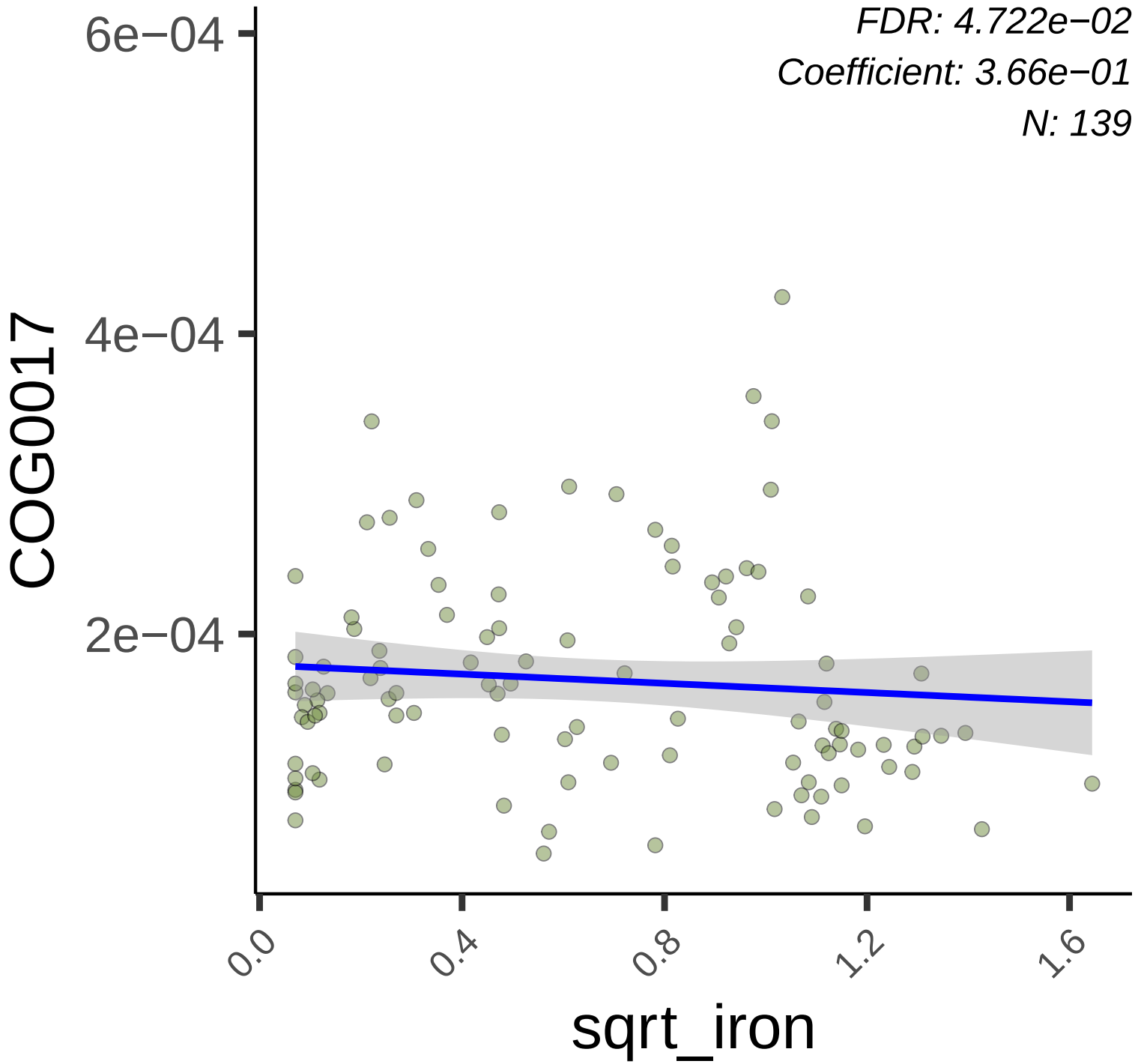
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.722e−02
Coefficient: 3.66e−01
N: 139
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COG0017
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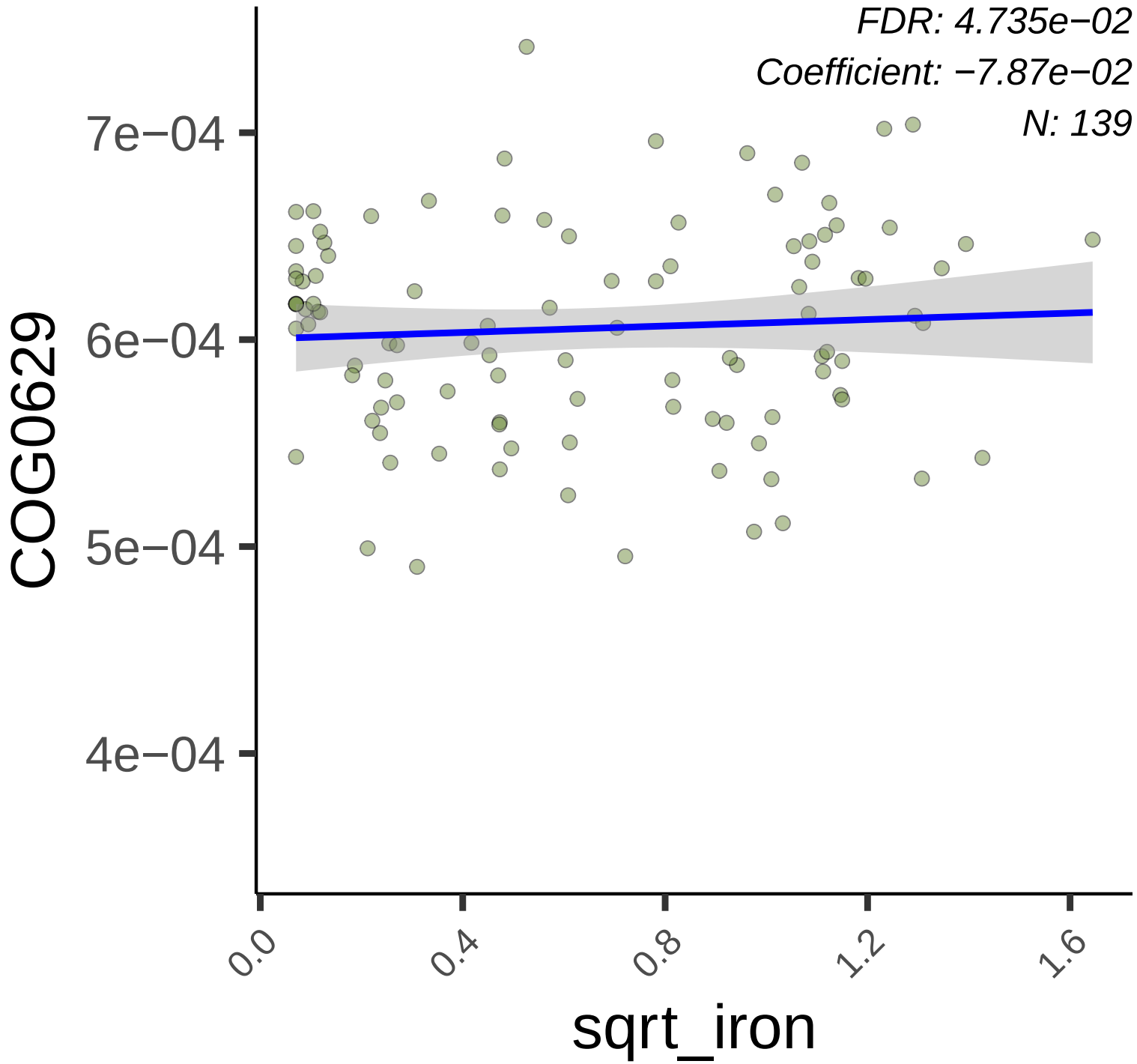
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.735e−02
Coefficient: −7.87e−02
N: 139
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5e−04
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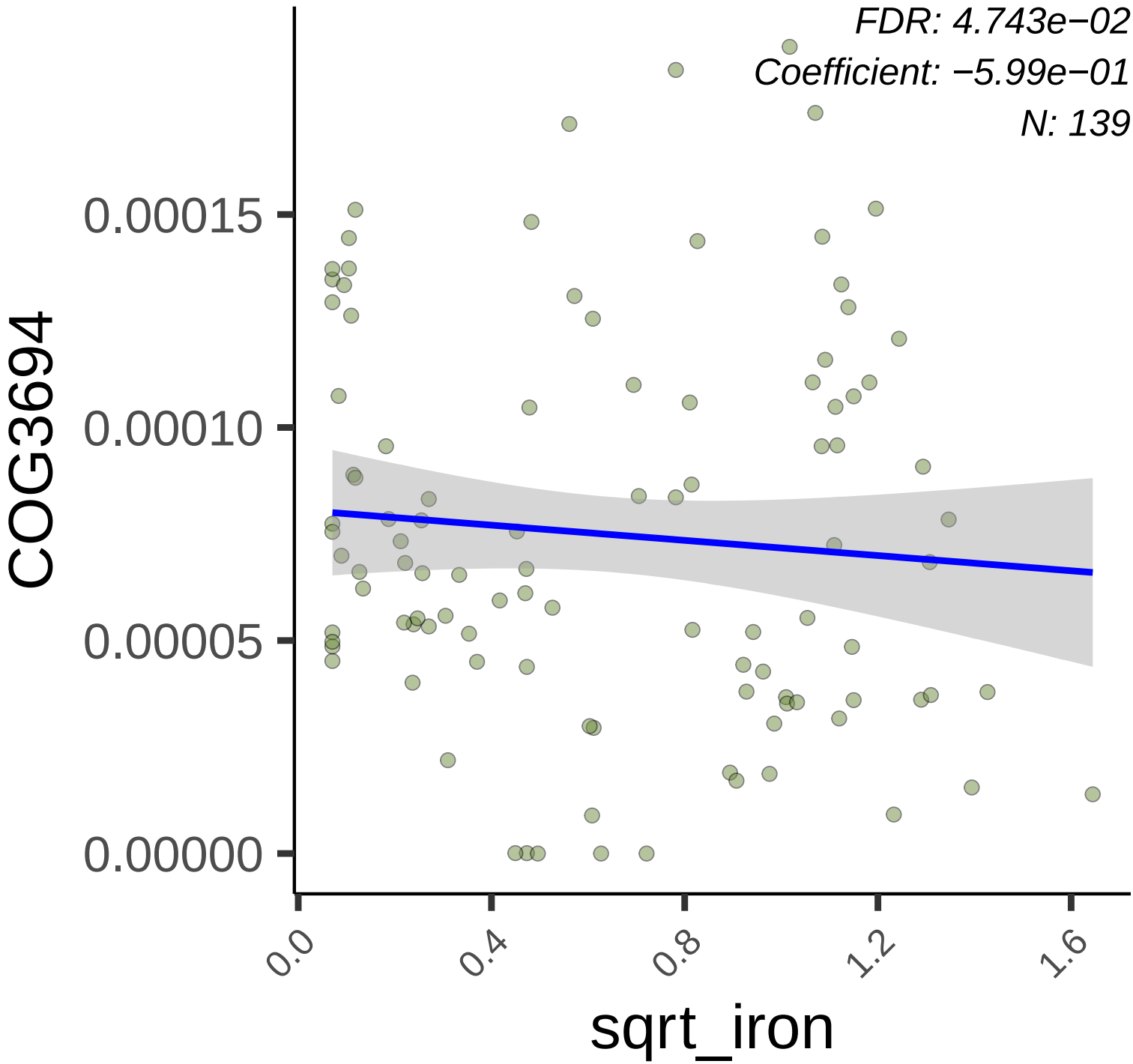
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.743e−02
Coefficient: −5.99e−01
N: 139
COG3694
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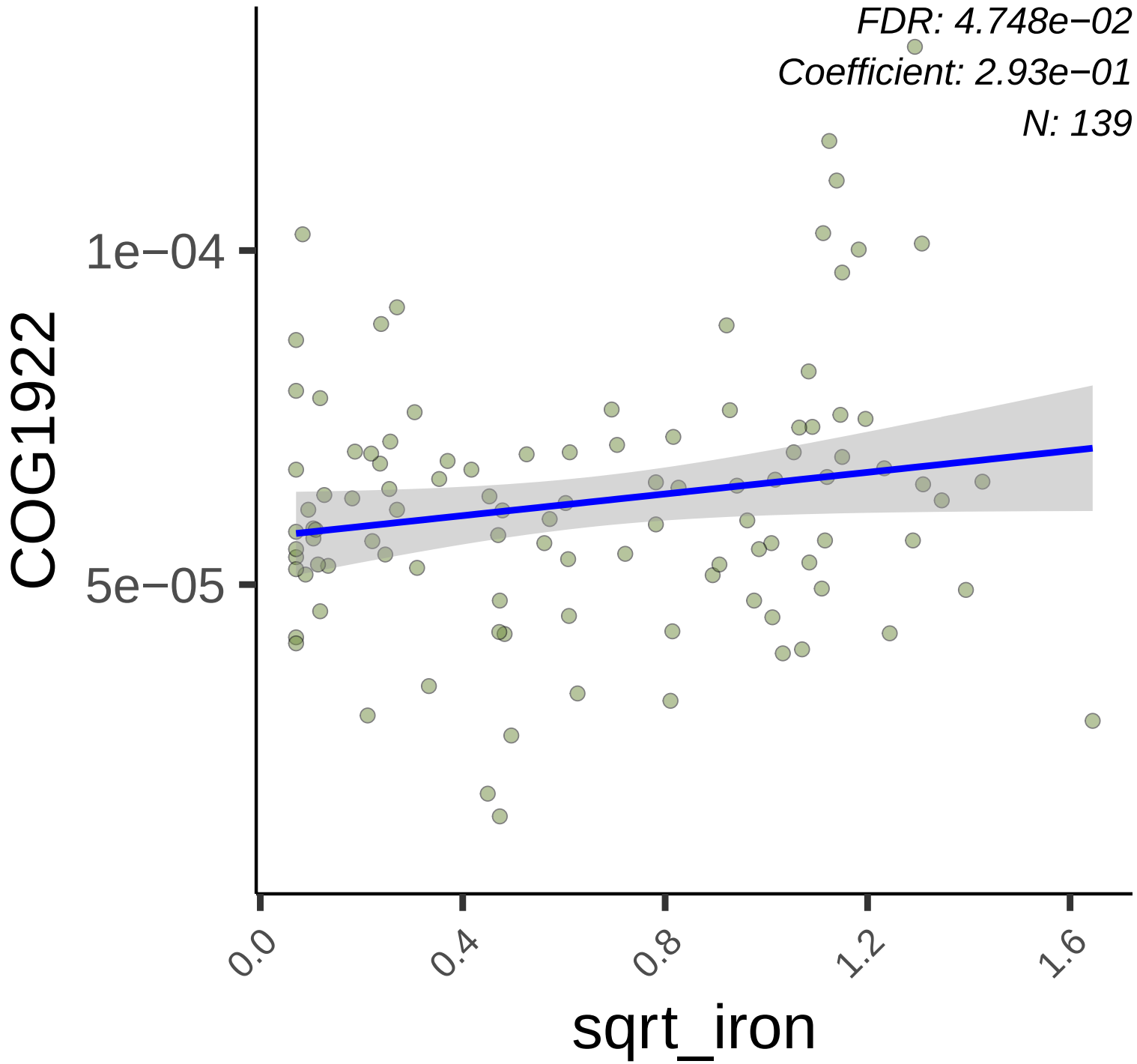
0.00010
0.00005
0.00000
0.0
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.748e−02
Coefficient: 2.93e−01
N: 139
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5e−05
COG1922
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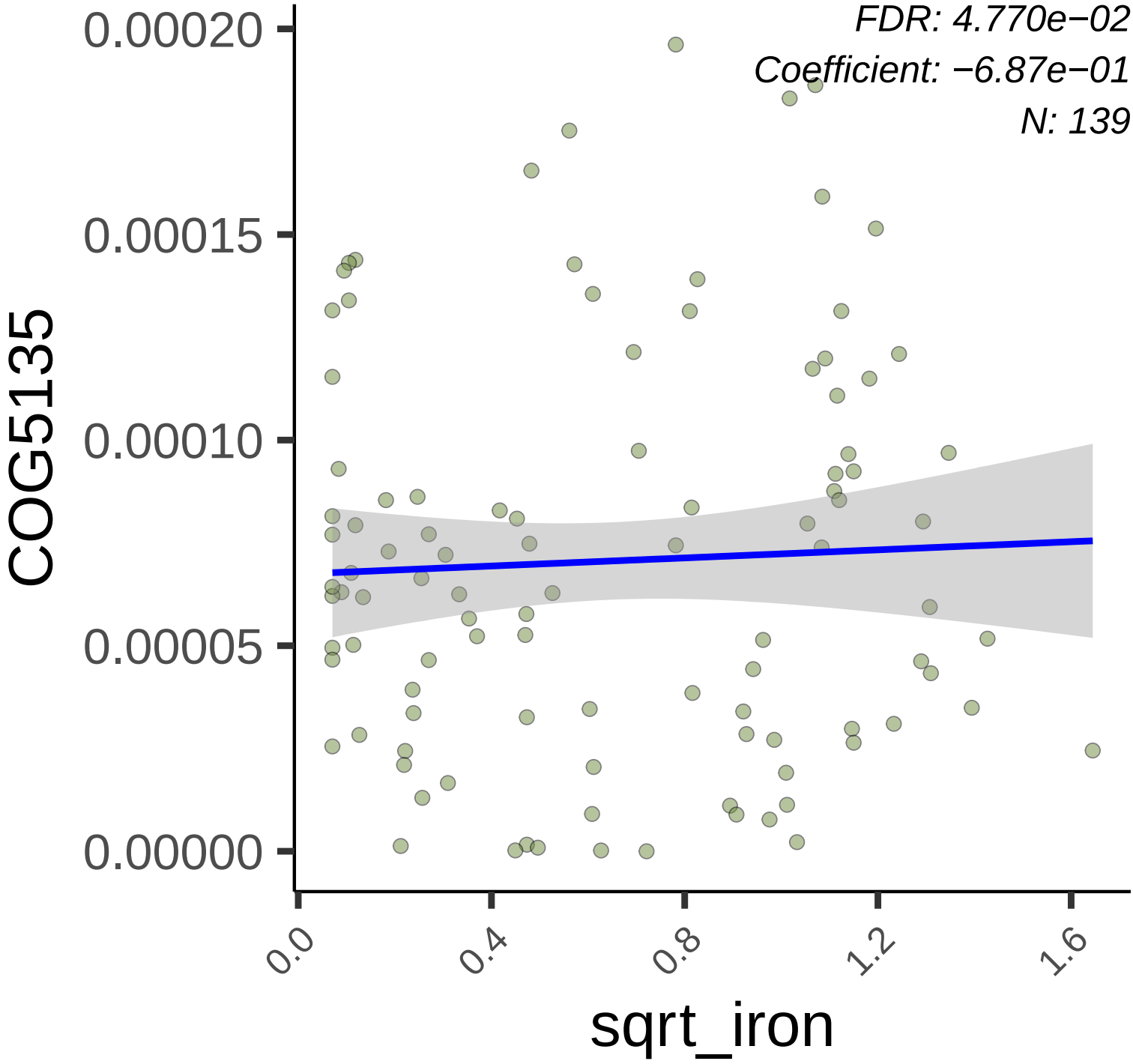
0.8
1.2
1.6
sqrt_iron


FDR: 4.770e−02
Coefficient: −6.87e−01
N: 139
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0.00015
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0.00005
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COG5135
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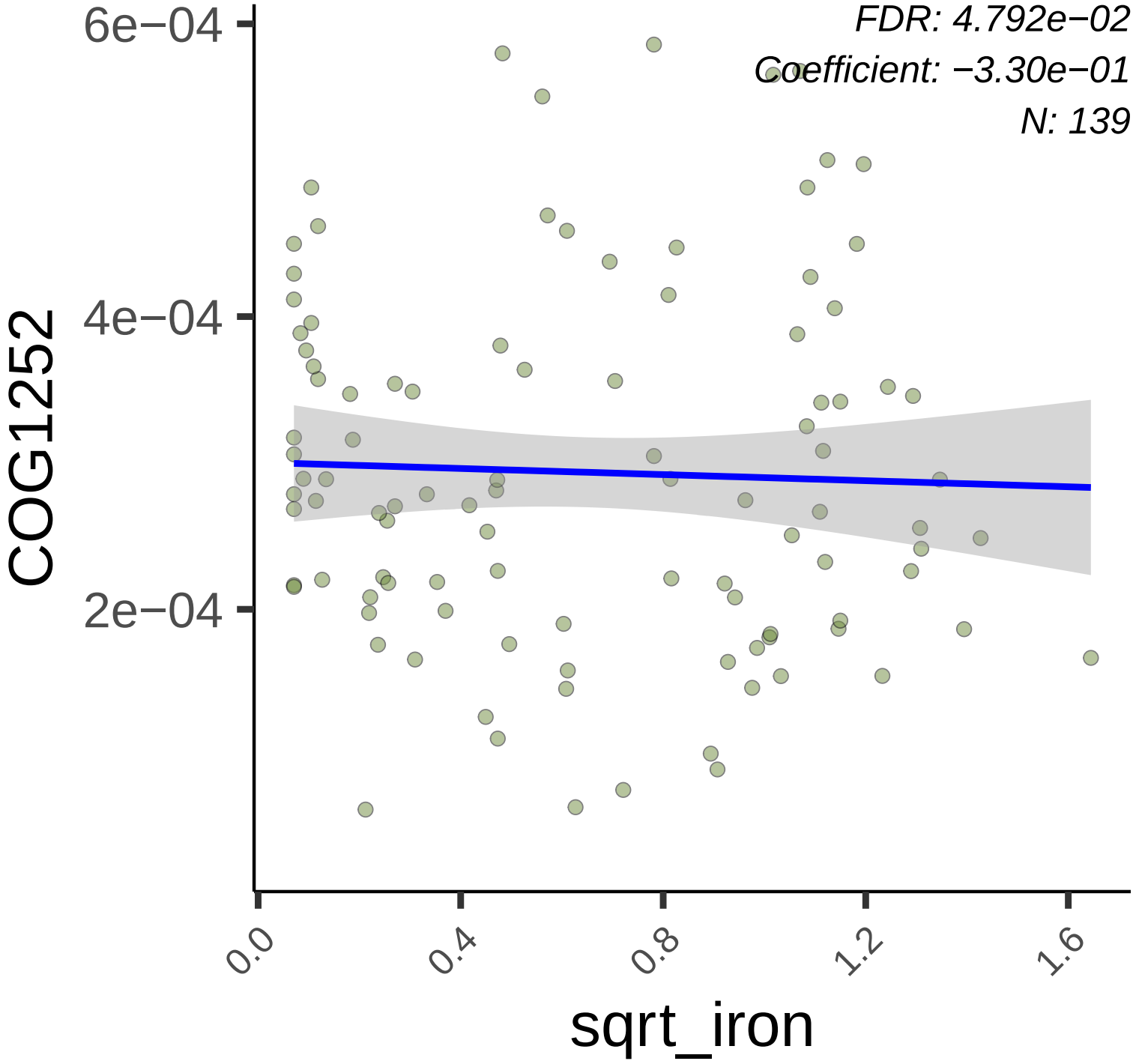
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.792e−02
Coefficient: −3.30e−01
N: 139
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4e−04
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COG1252
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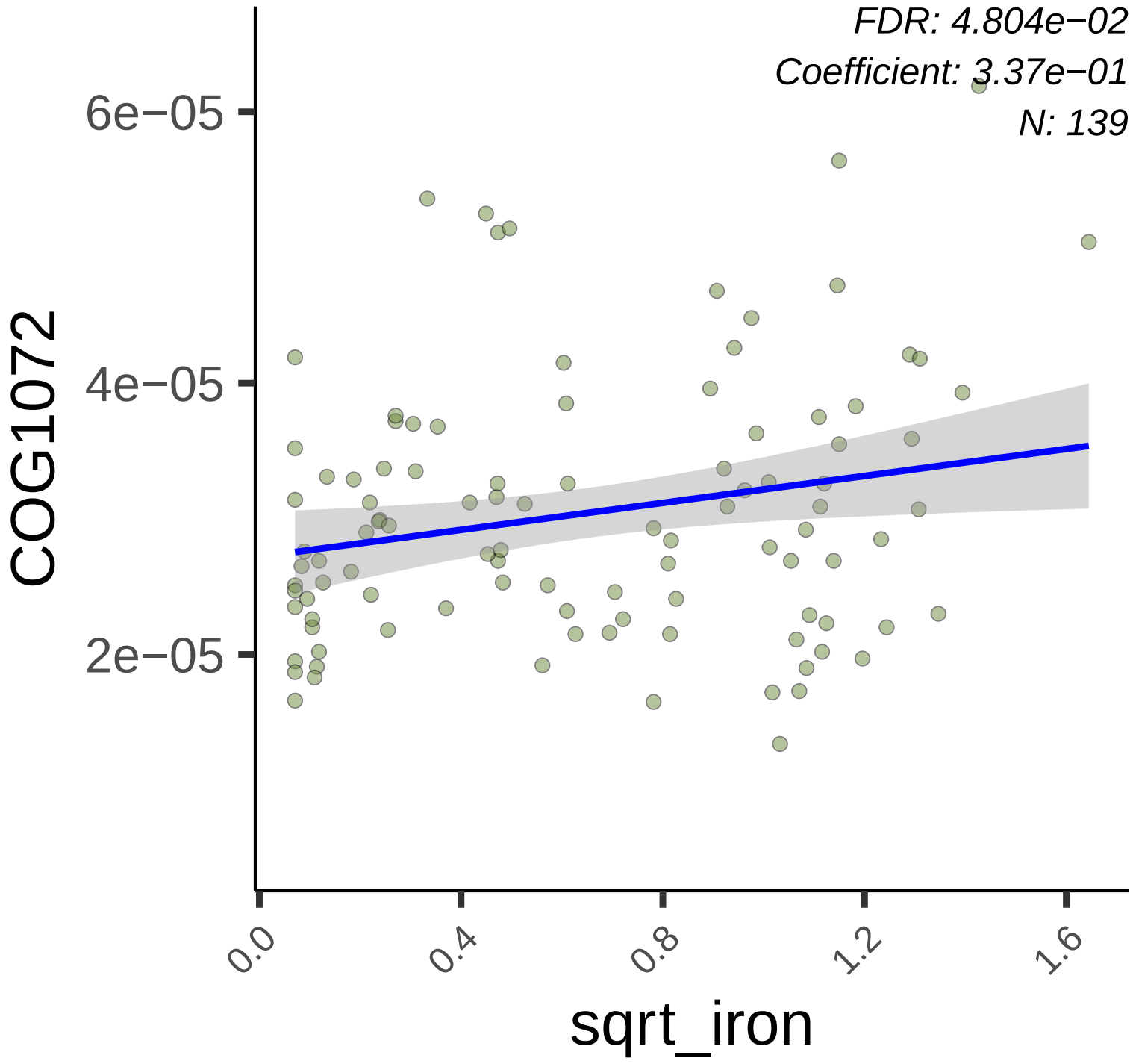
0.8
1.2
1.6
sqrt_iron


FDR: 4.804e−02
Coefficient: 3.37e−01
N: 139
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4e−05
2e−05
COG1072
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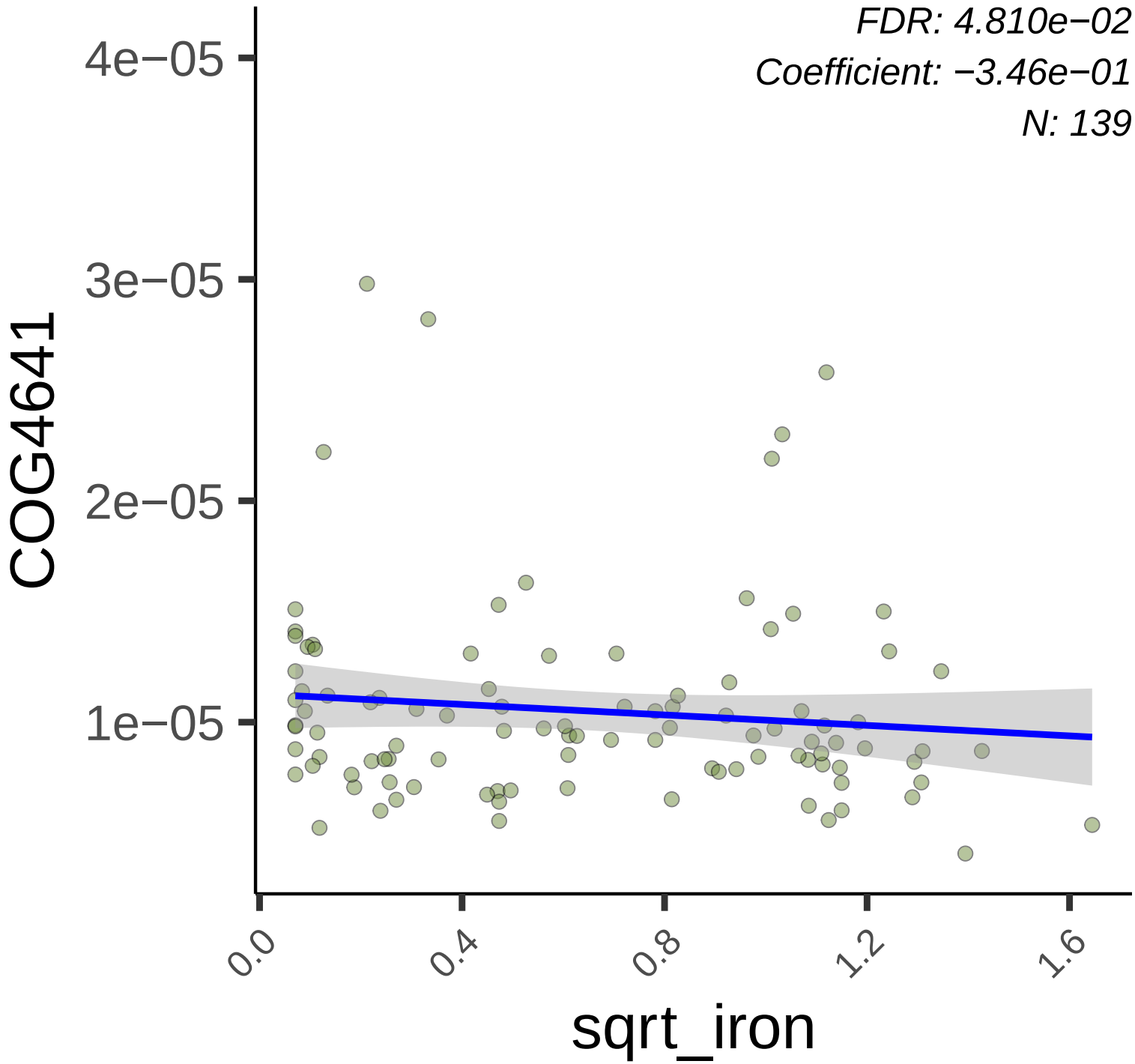
0.8
1.2
1.6
sqrt_iron


FDR: 4.810e−02
Coefficient: −3.46e−01
N: 139
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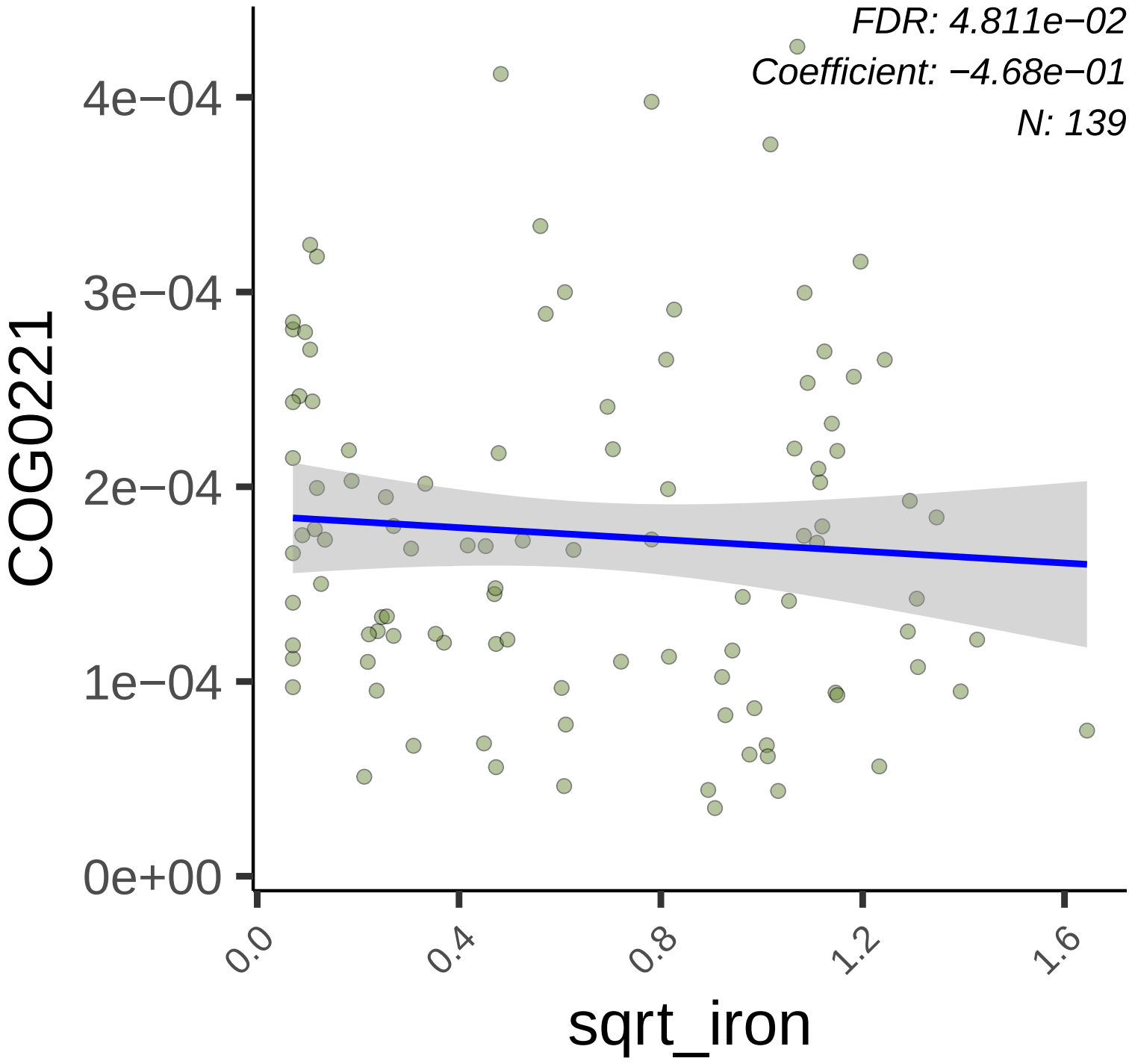
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.811e−02
Coefficient: −4.68e−01
N: 139
COG0221
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2e−04
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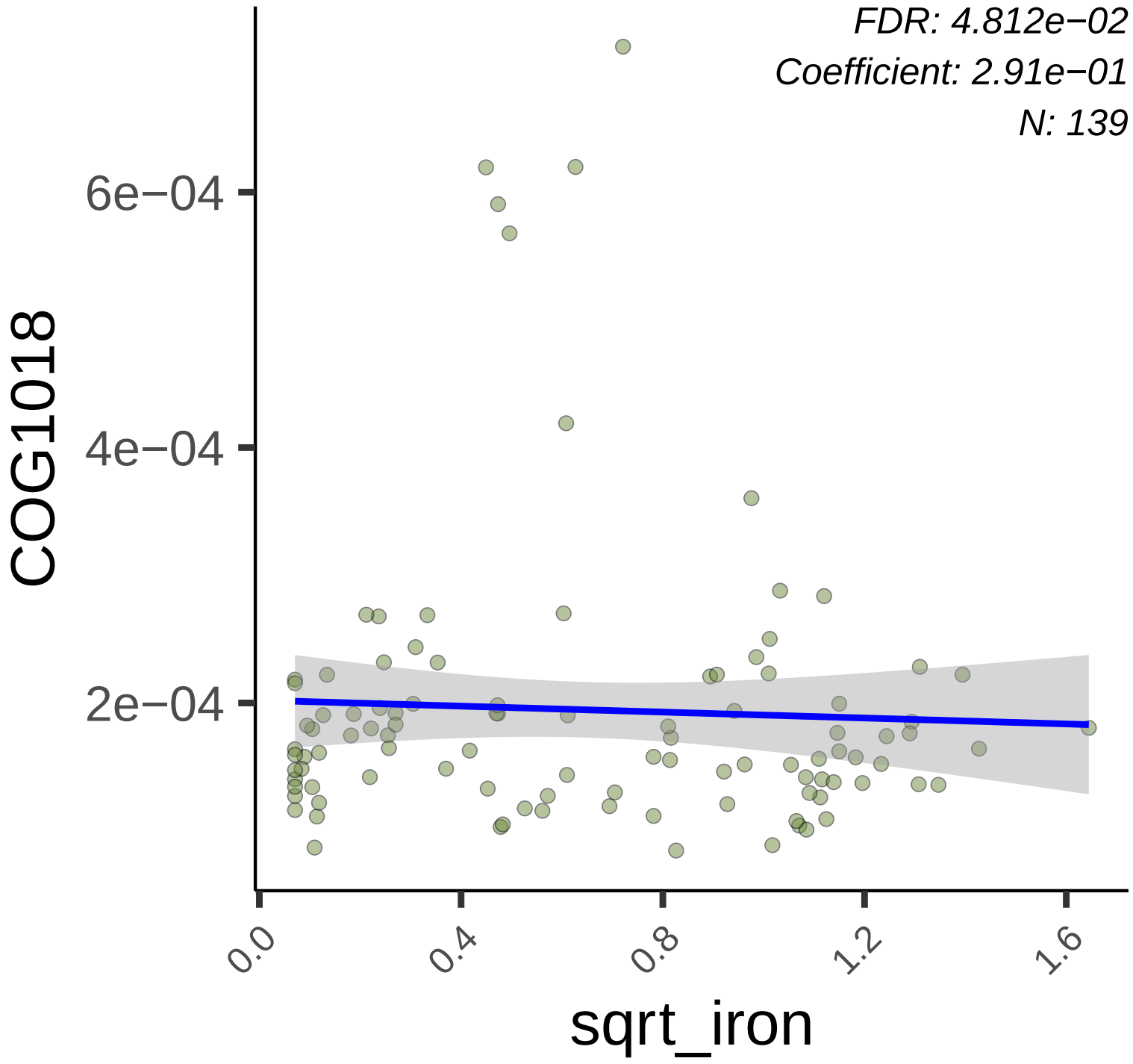
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.812e−02
Coefficient: 2.91e−01
N: 139
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0.8
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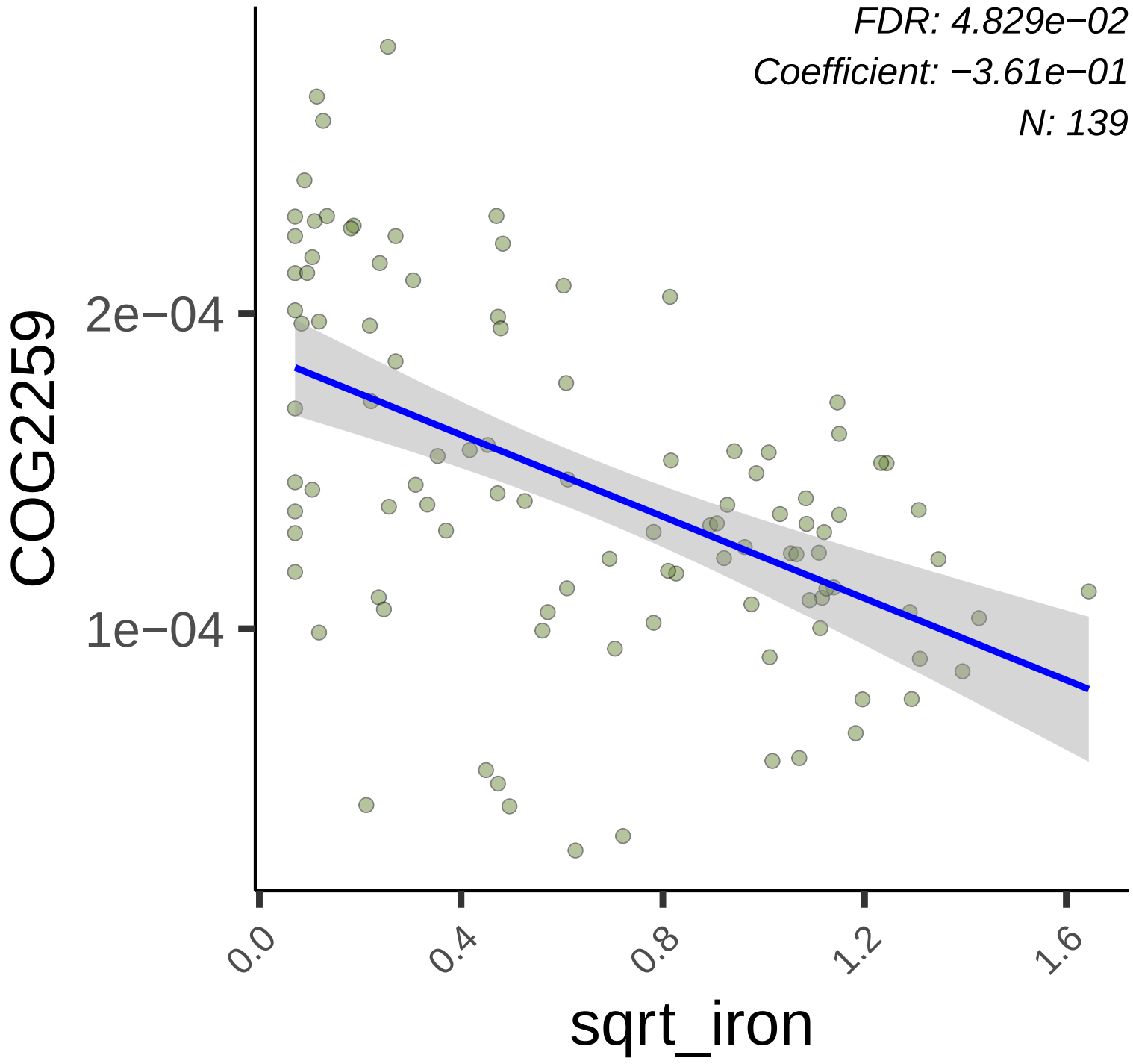
1.6
sqrt_iron


FDR: 4.829e−02
Coefficient: −3.61e−01
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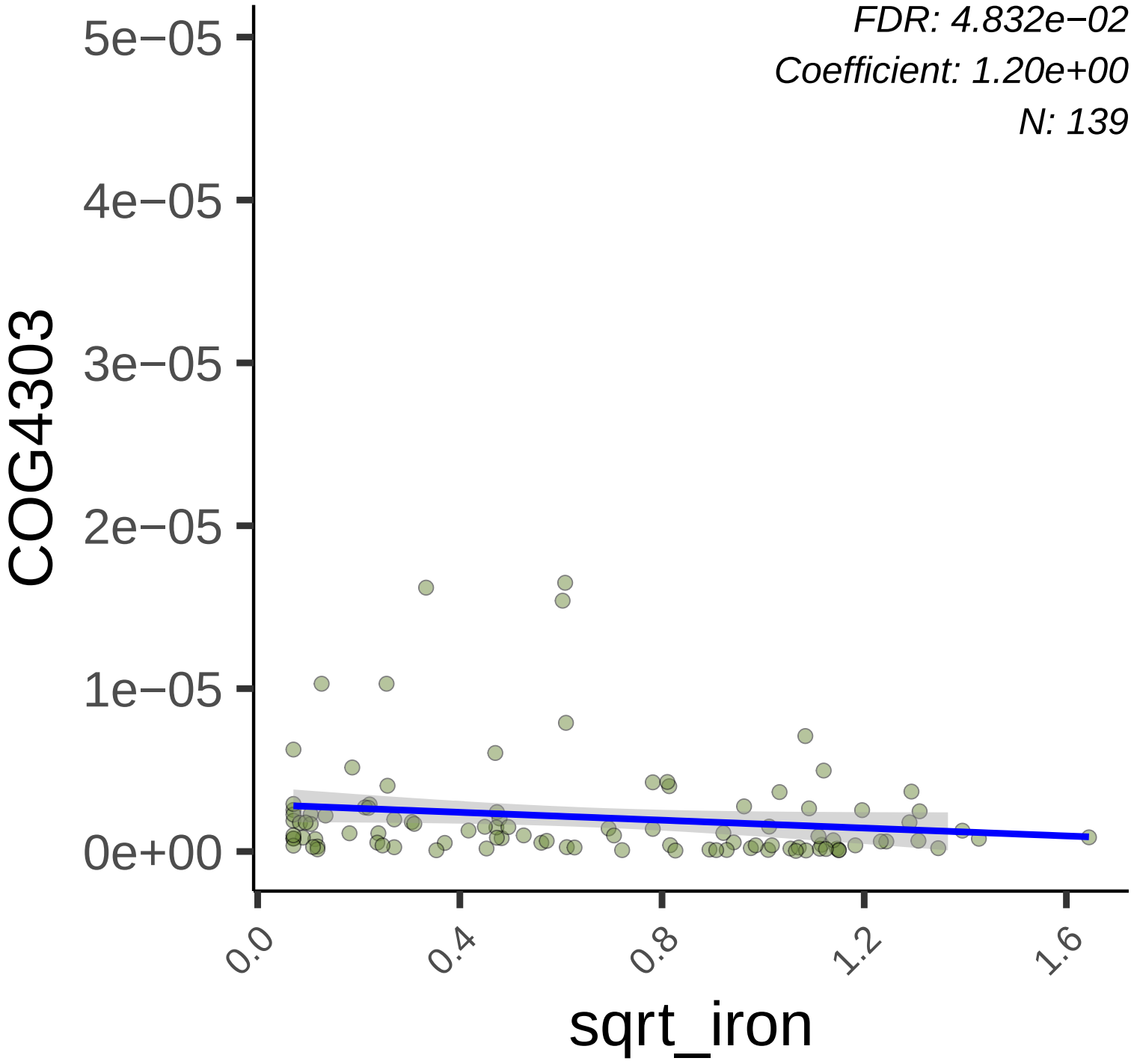
1.6
sqrt_iron


FDR: 4.832e−02
Coefficient: 1.20e+00
N: 139
COG4303
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4e−05
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2e−05
1e−05
0e+00
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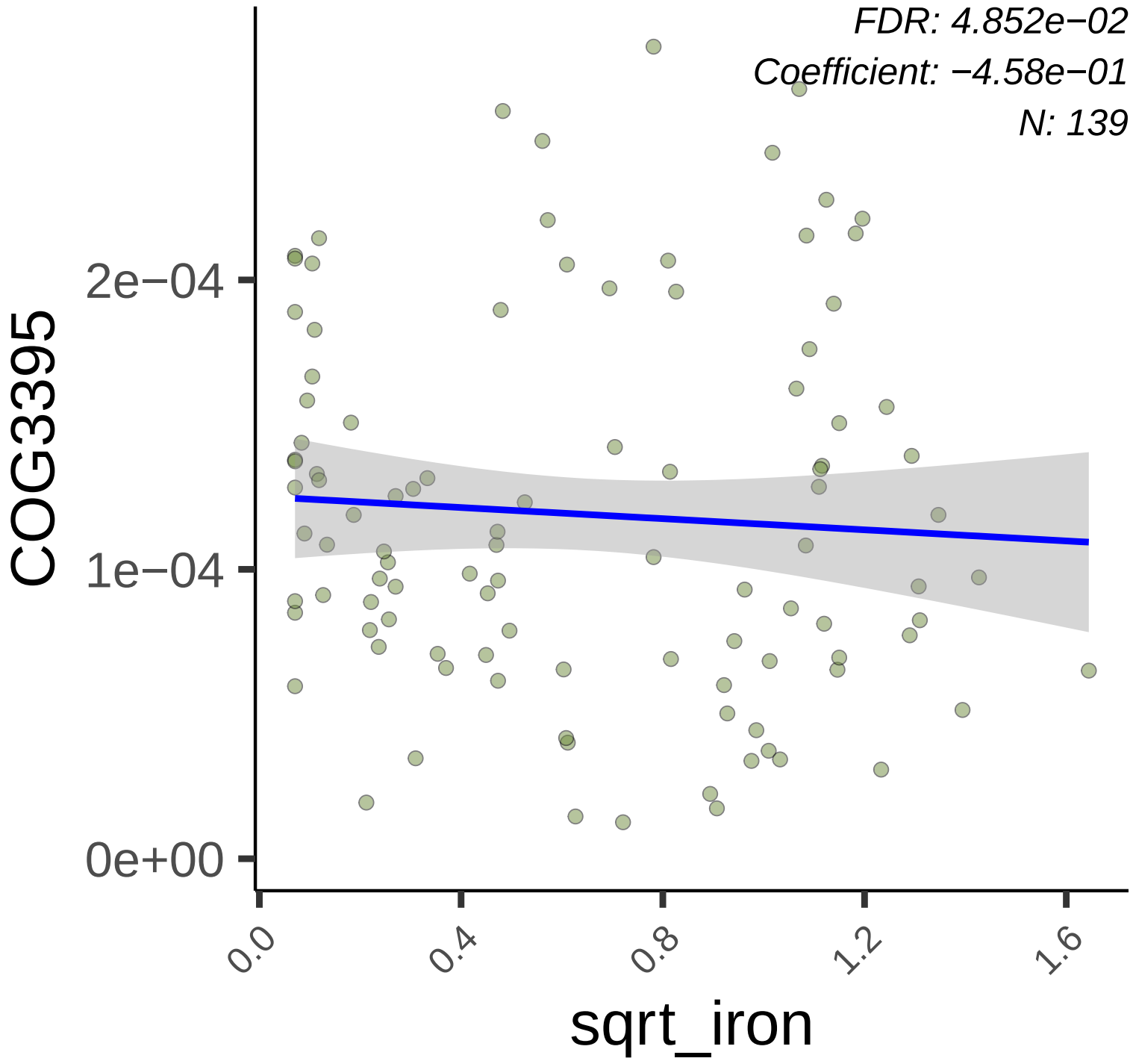
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.852e−02
Coefficient: −4.58e−01
N: 139
COG3395
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1e−04
0e+00
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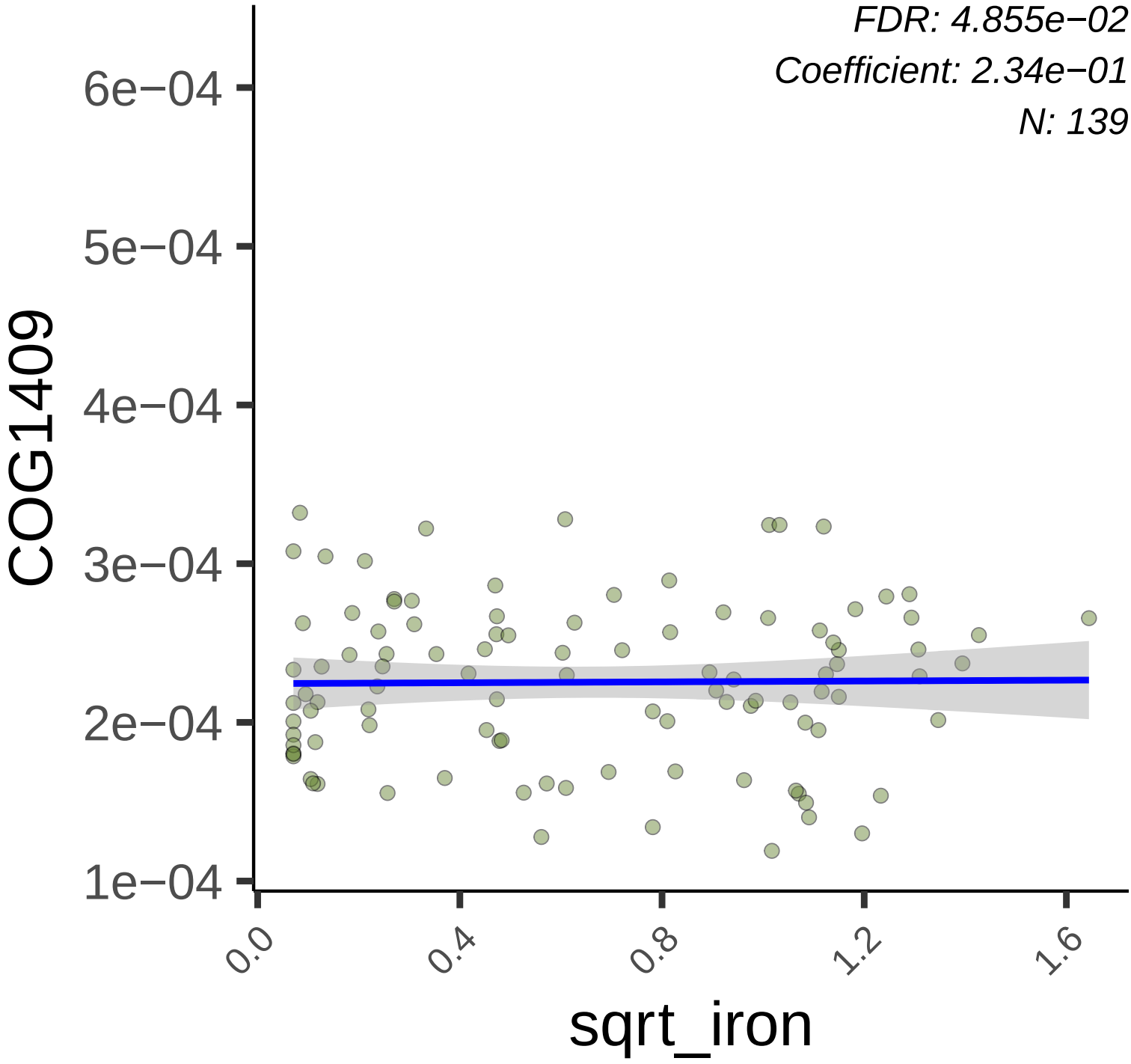
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.855e−02
Coefficient: 2.34e−01
N: 139
COG1409
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3e−04
2e−04
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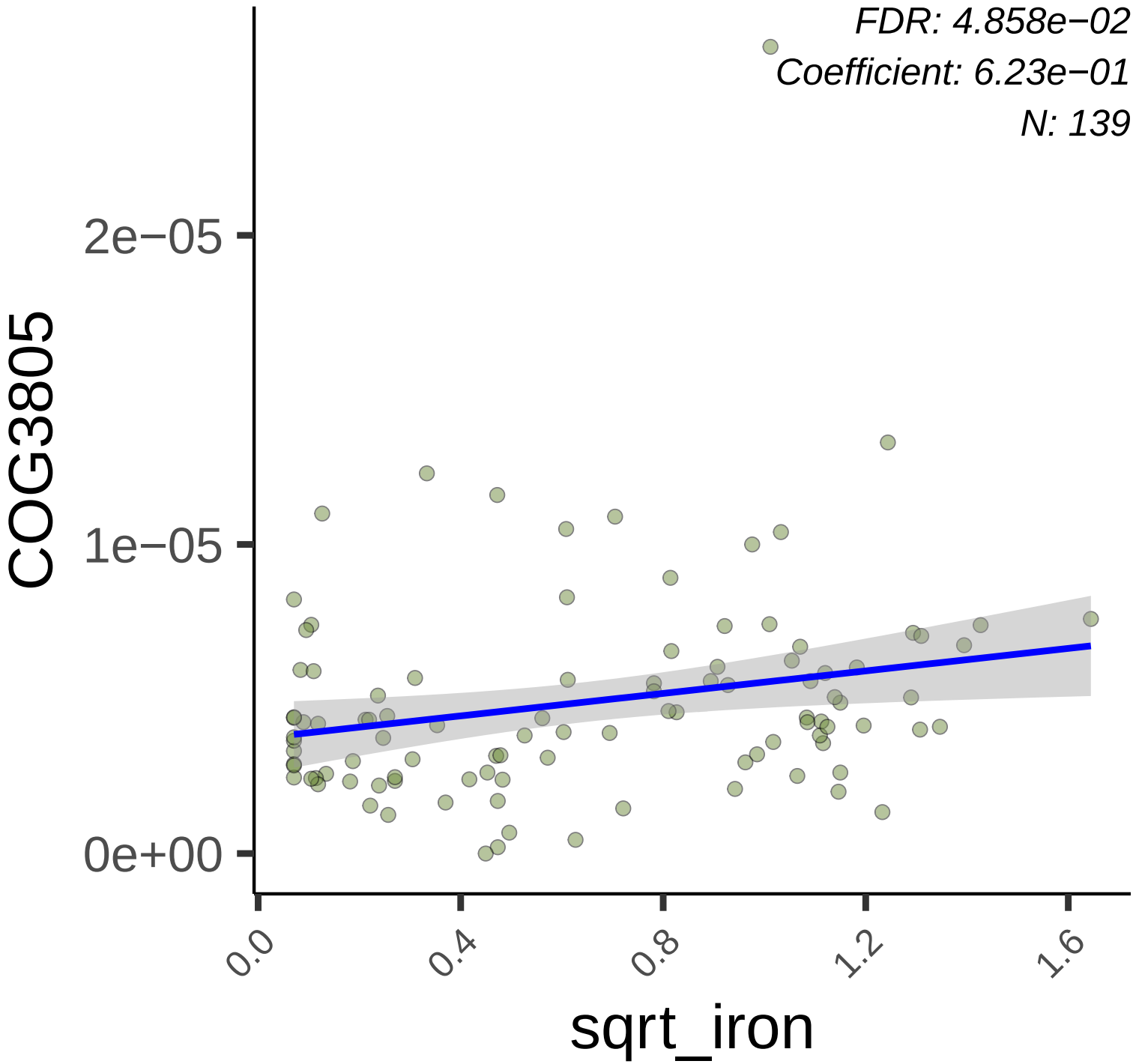
1.6
sqrt_iron


FDR: 4.858e−02
Coefficient: 6.23e−01
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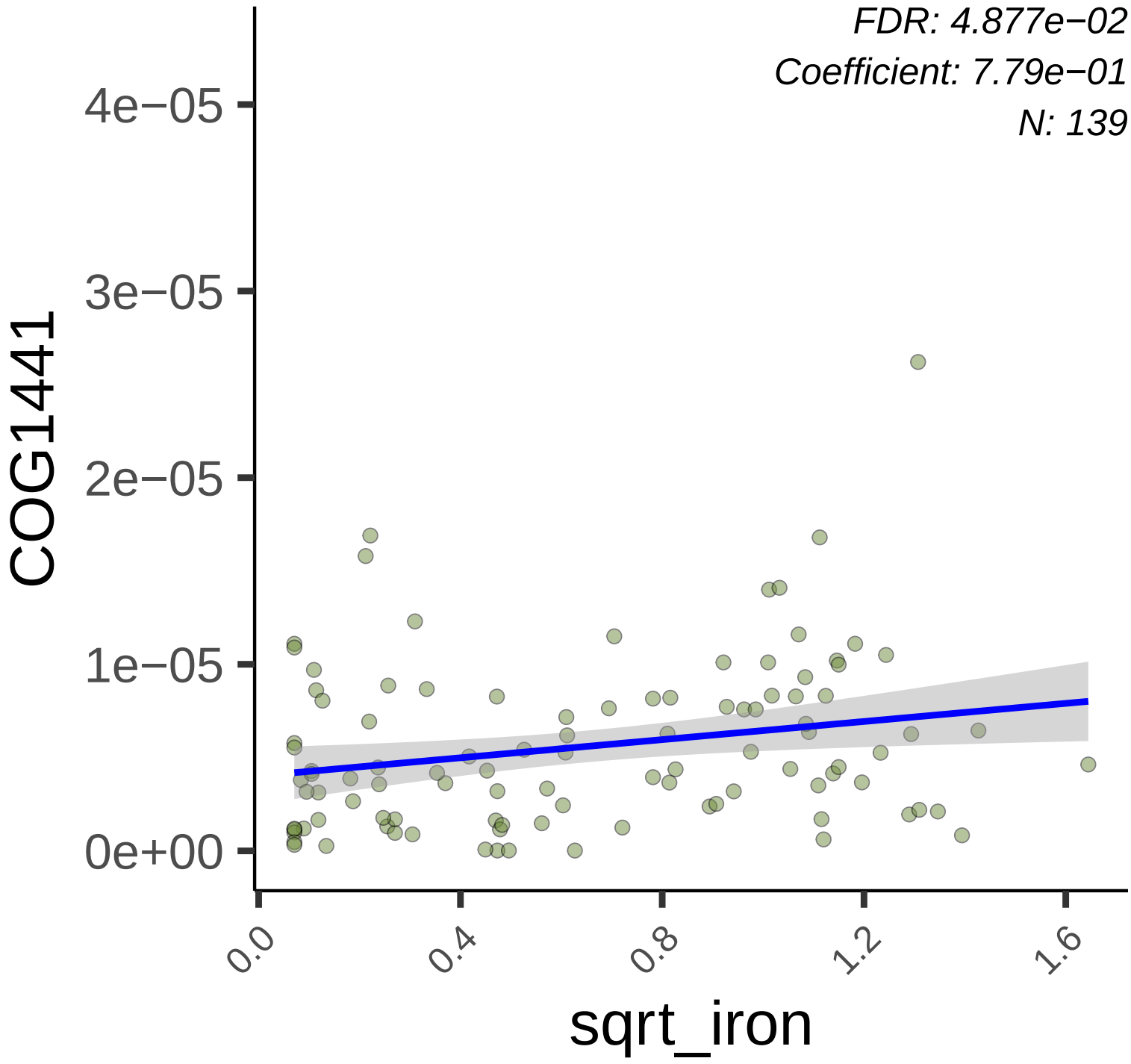
1.6
sqrt_iron


FDR: 4.877e−02
Coefficient: 7.79e−01
N: 139
COG1441
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2e−05
1e−05
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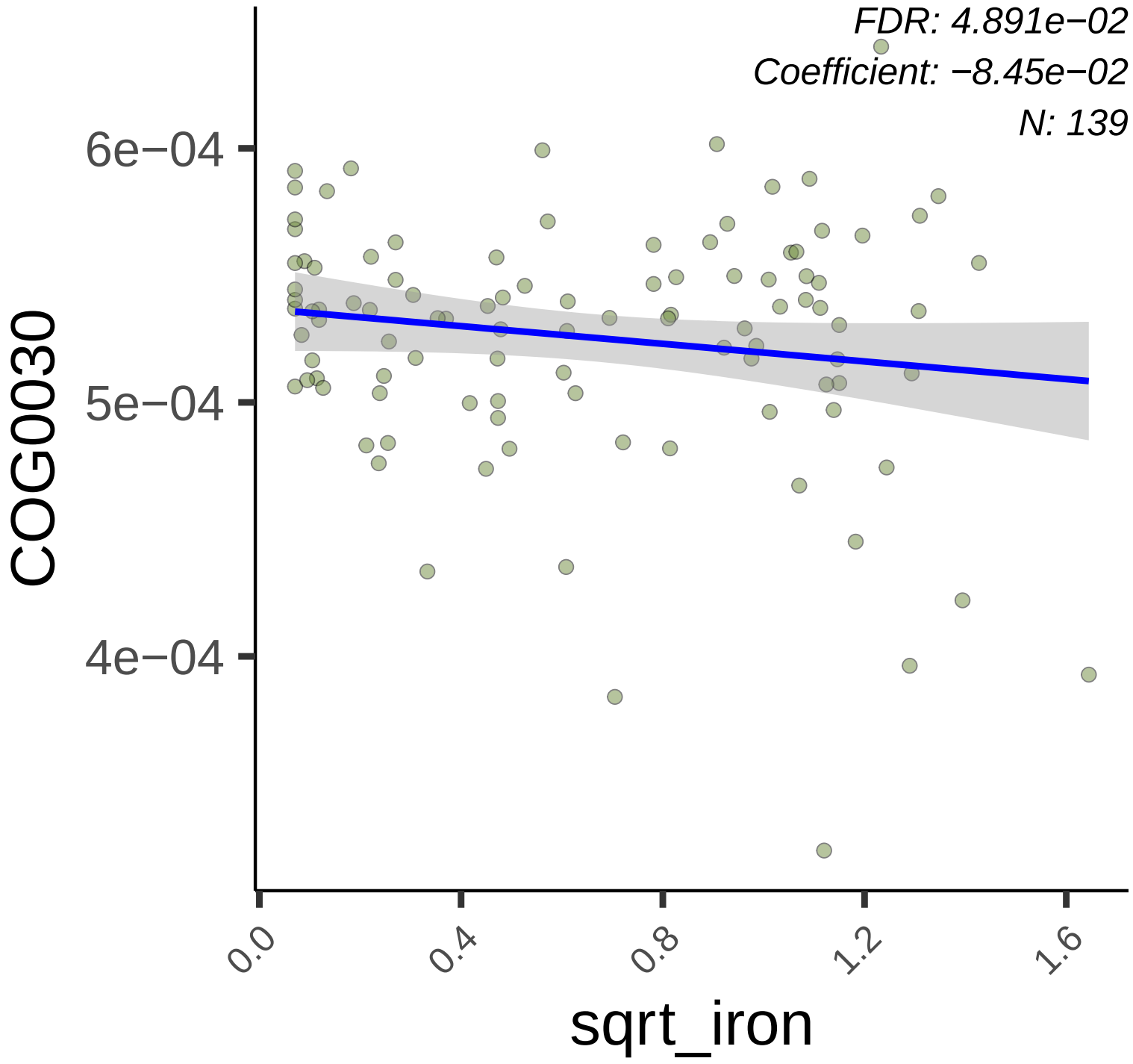
0.8
1.2
1.6
sqrt_iron


FDR: 4.891e−02
Coefficient: −8.45e−02
N: 139
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COG0030
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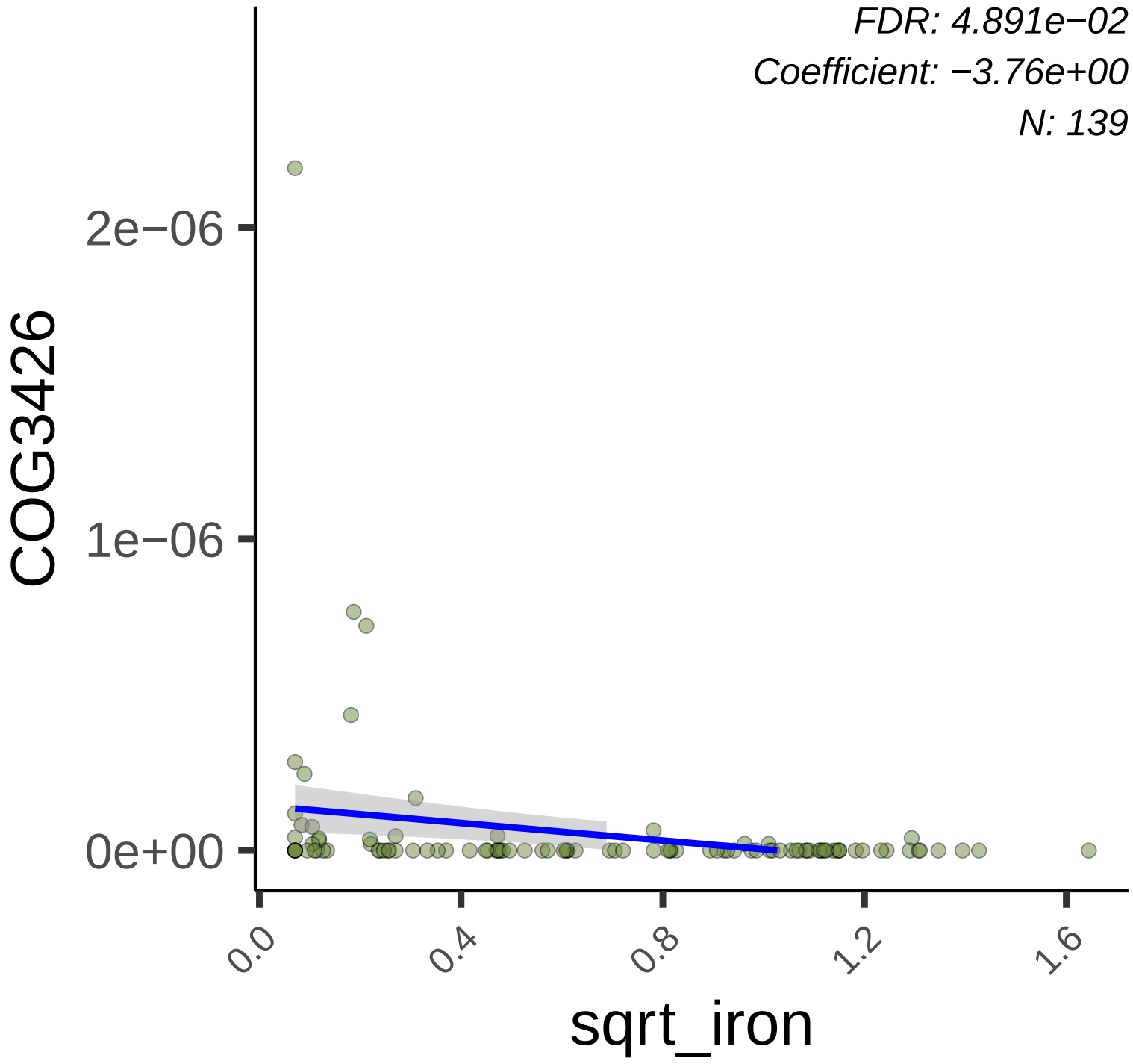
1.6
sqrt_iron


FDR: 4.891e−02
Coefficient: −3.76e+00
N: 139
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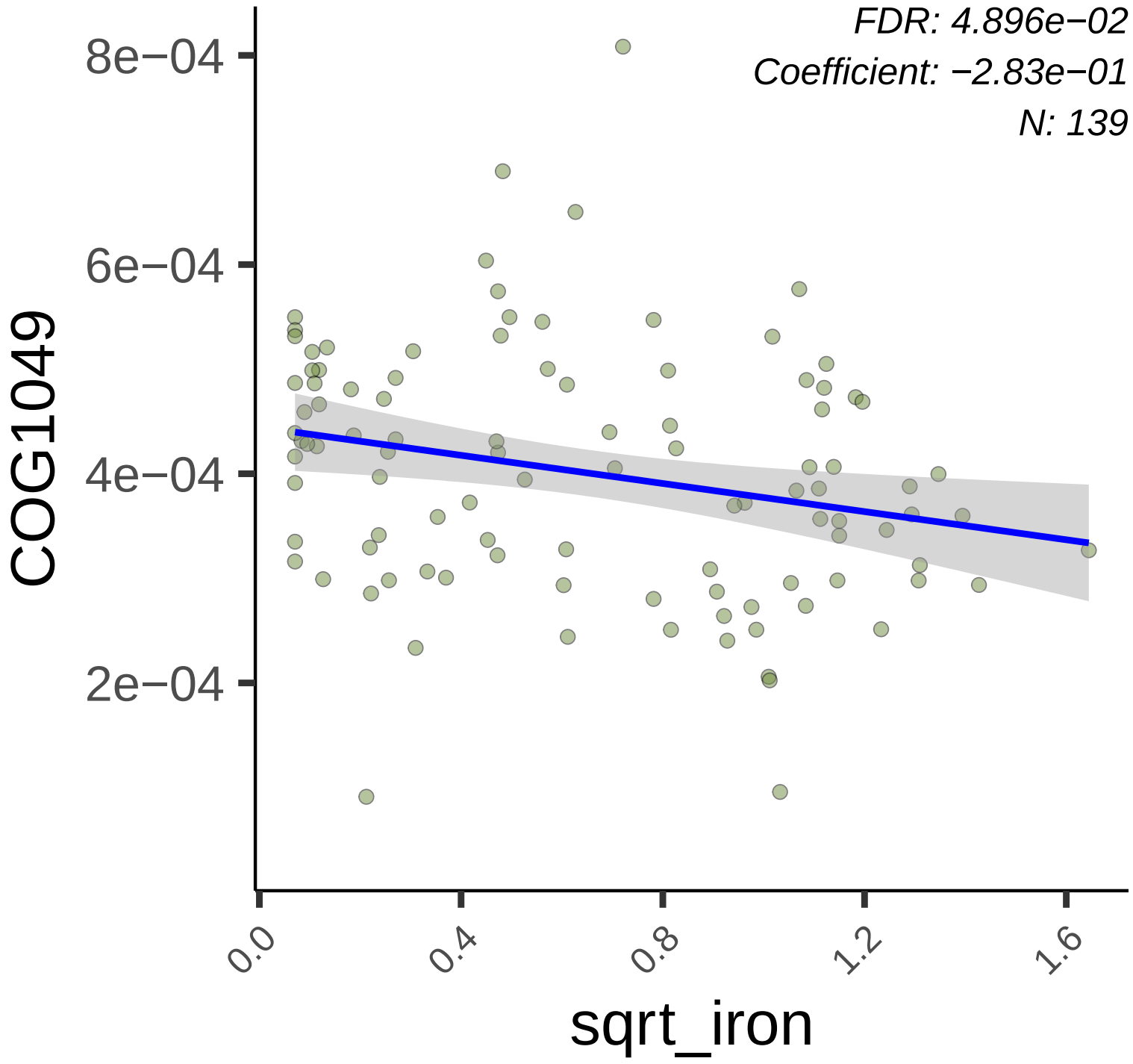
1.6
sqrt_iron


FDR: 4.896e−02
Coefficient: −2.83e−01
N: 139
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4e−04
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COG1049
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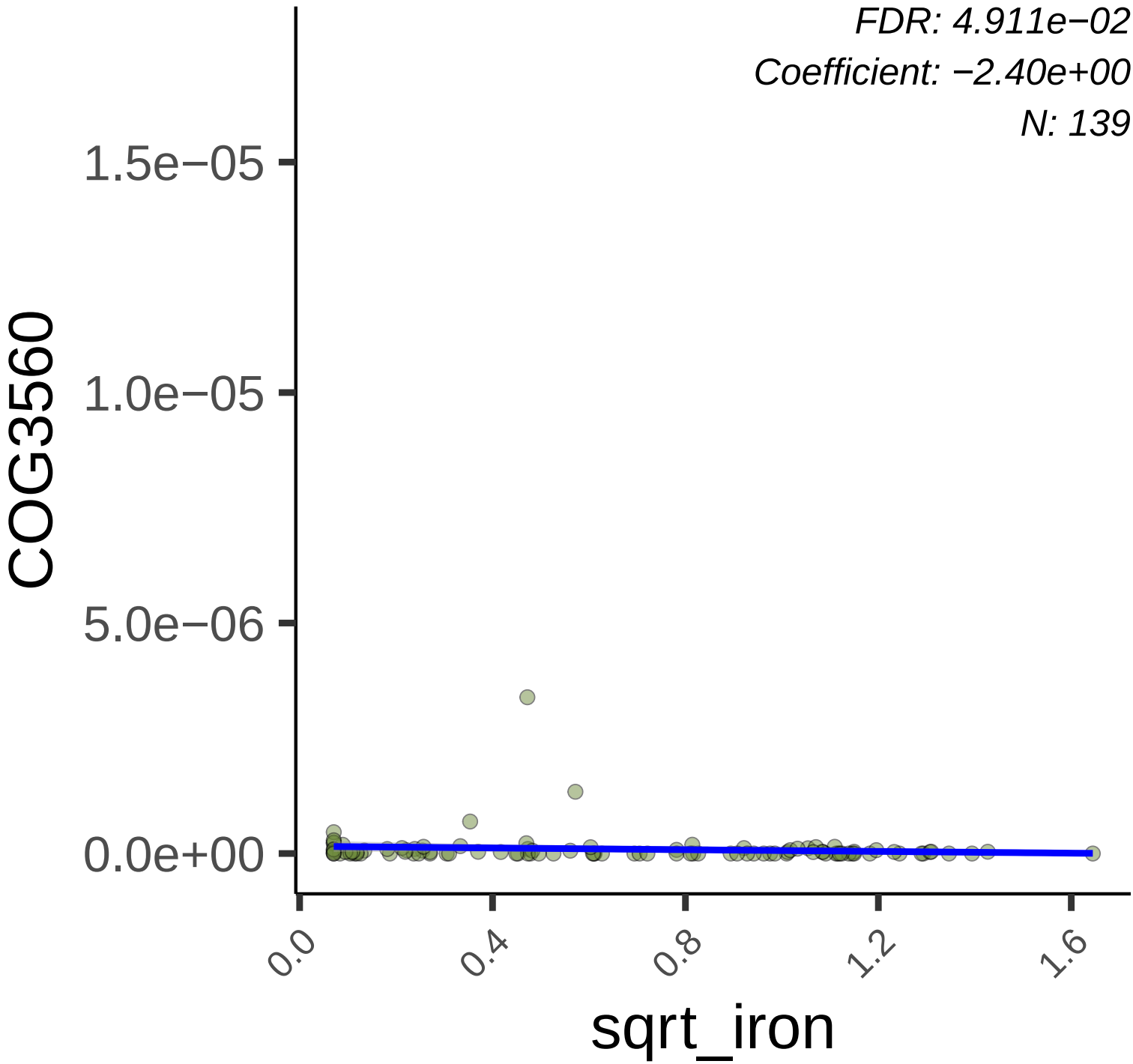
1.6
sqrt_iron


FDR: 4.911e−02
Coefficient: −2.40e+00
N: 139
COG3560
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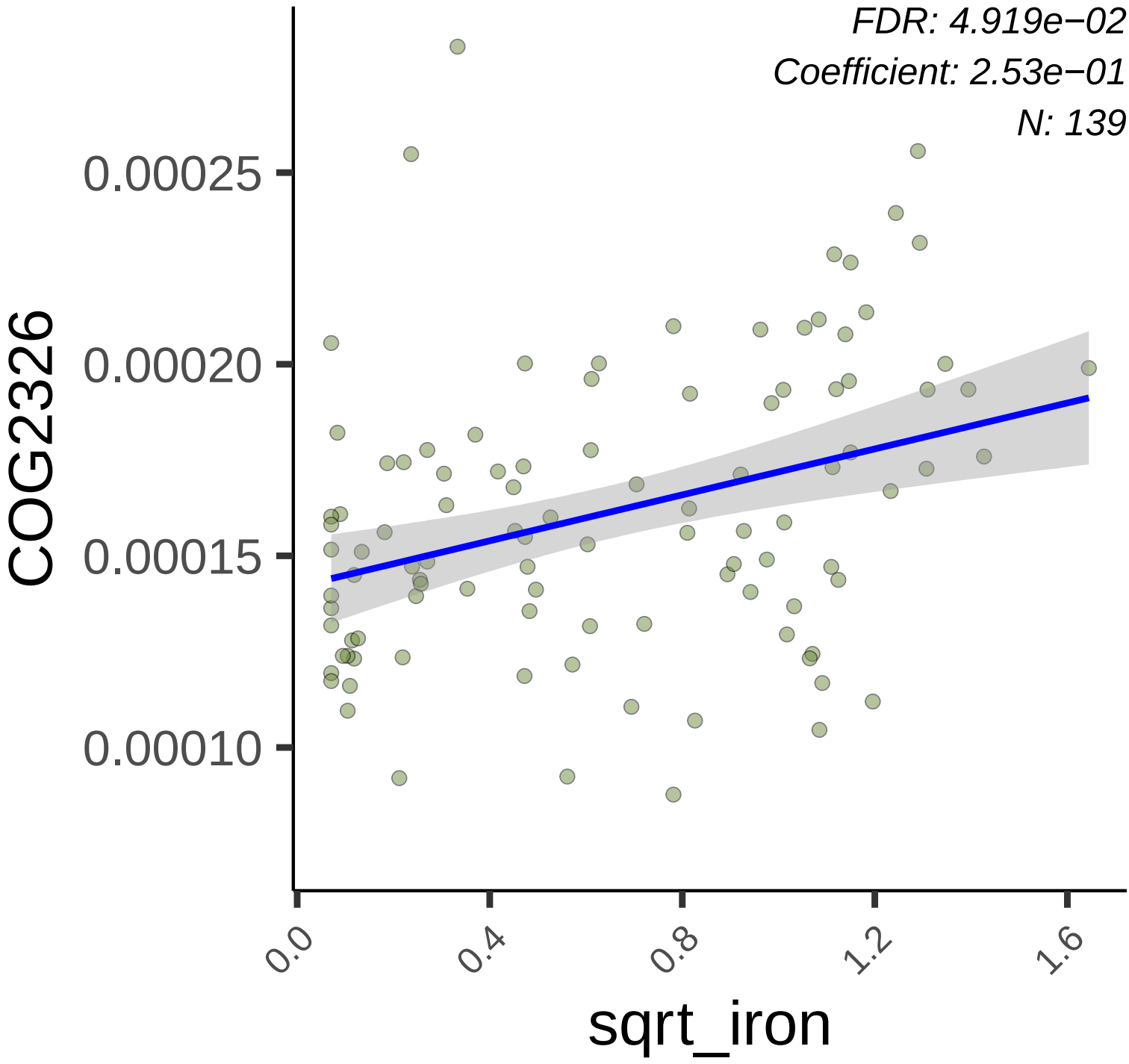
1.6
sqrt_iron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Coefficient: 2.53e−01
N: 139
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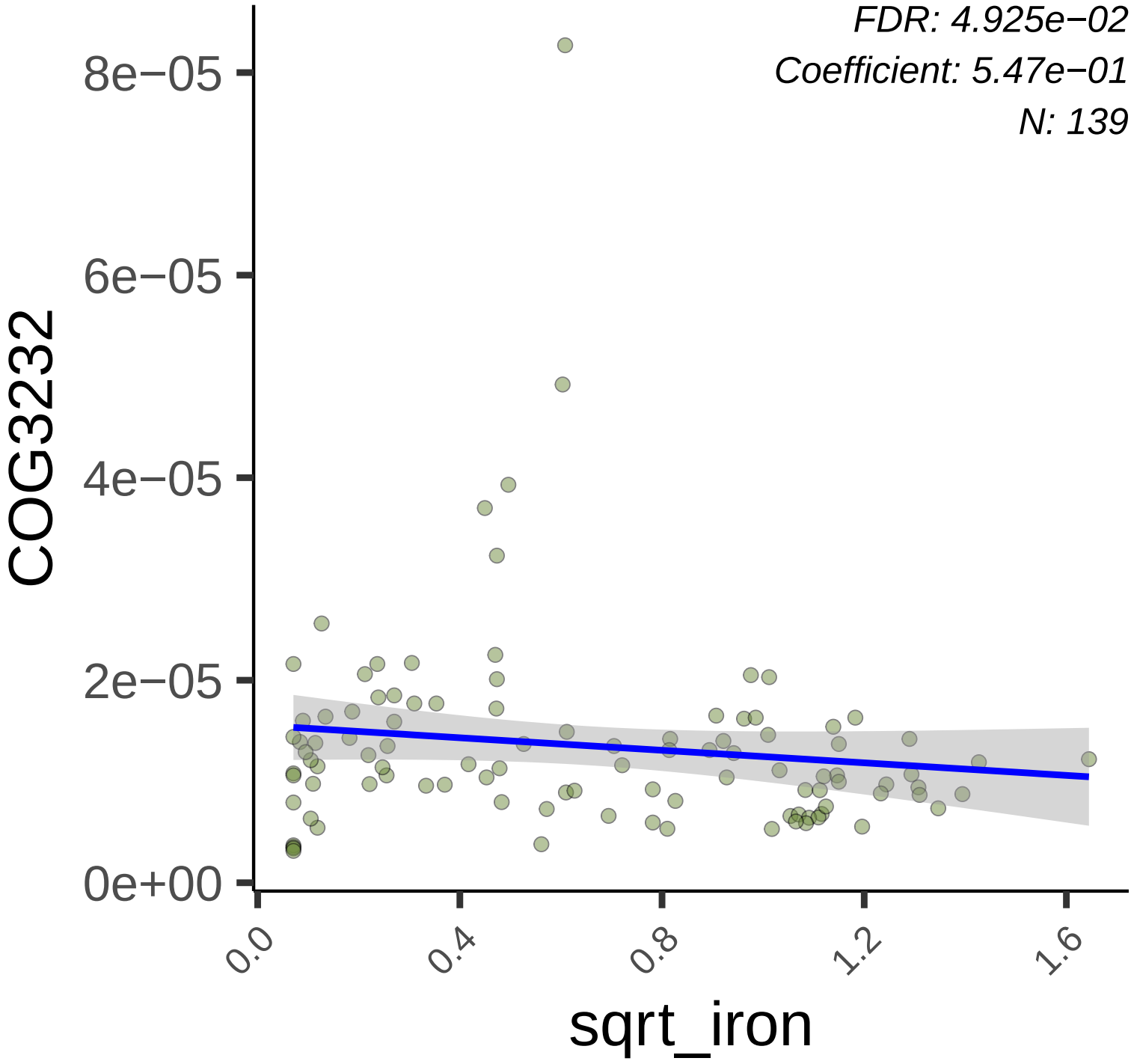
sqrt_iron


FDR: 4.925e−02
Coefficient: 5.47e−01
N: 139
COG3232
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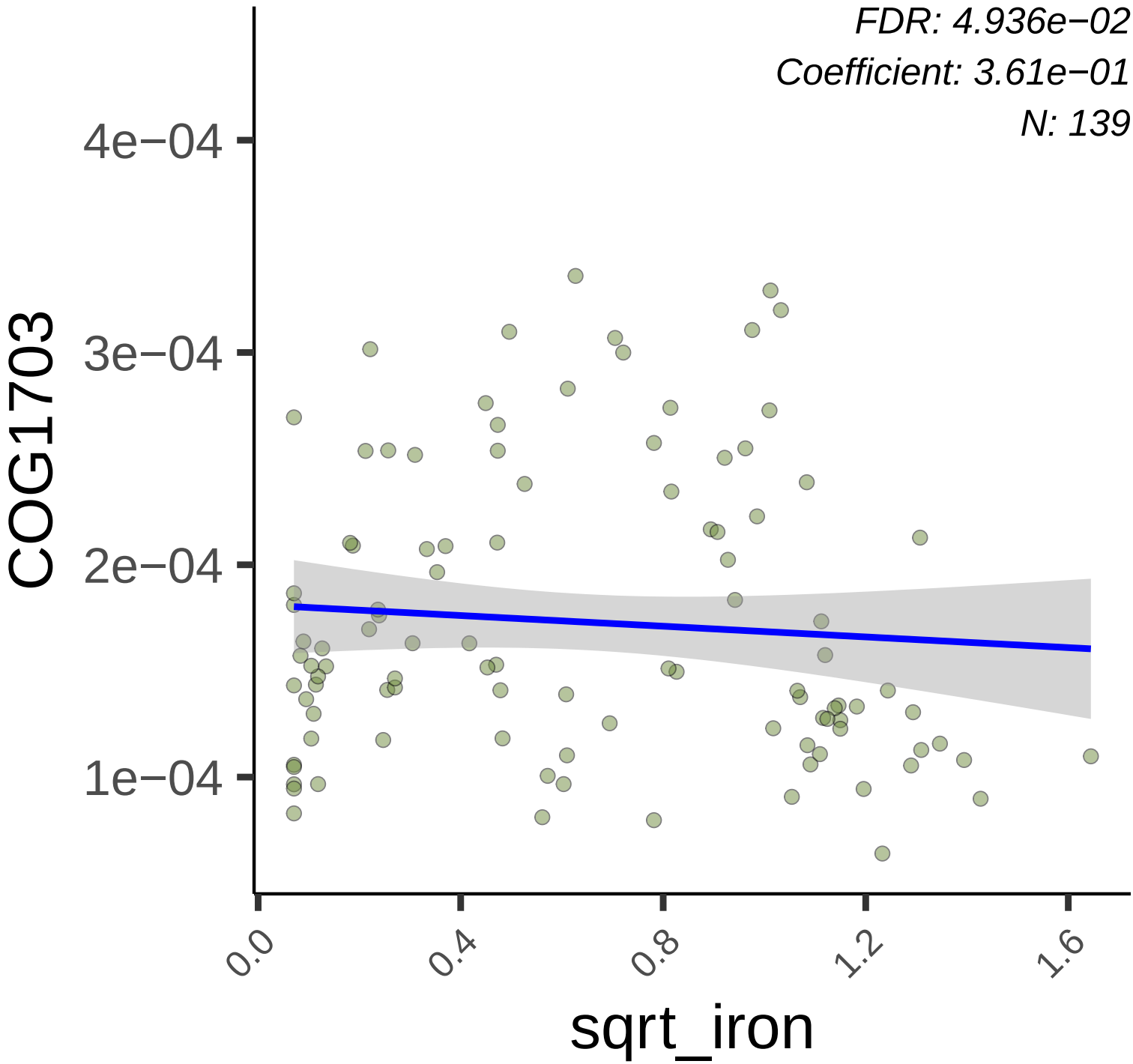
1.2
1.6
sqrt_iron


FDR: 4.936e−02
Coefficient: 3.61e−01
N: 139
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2e−04
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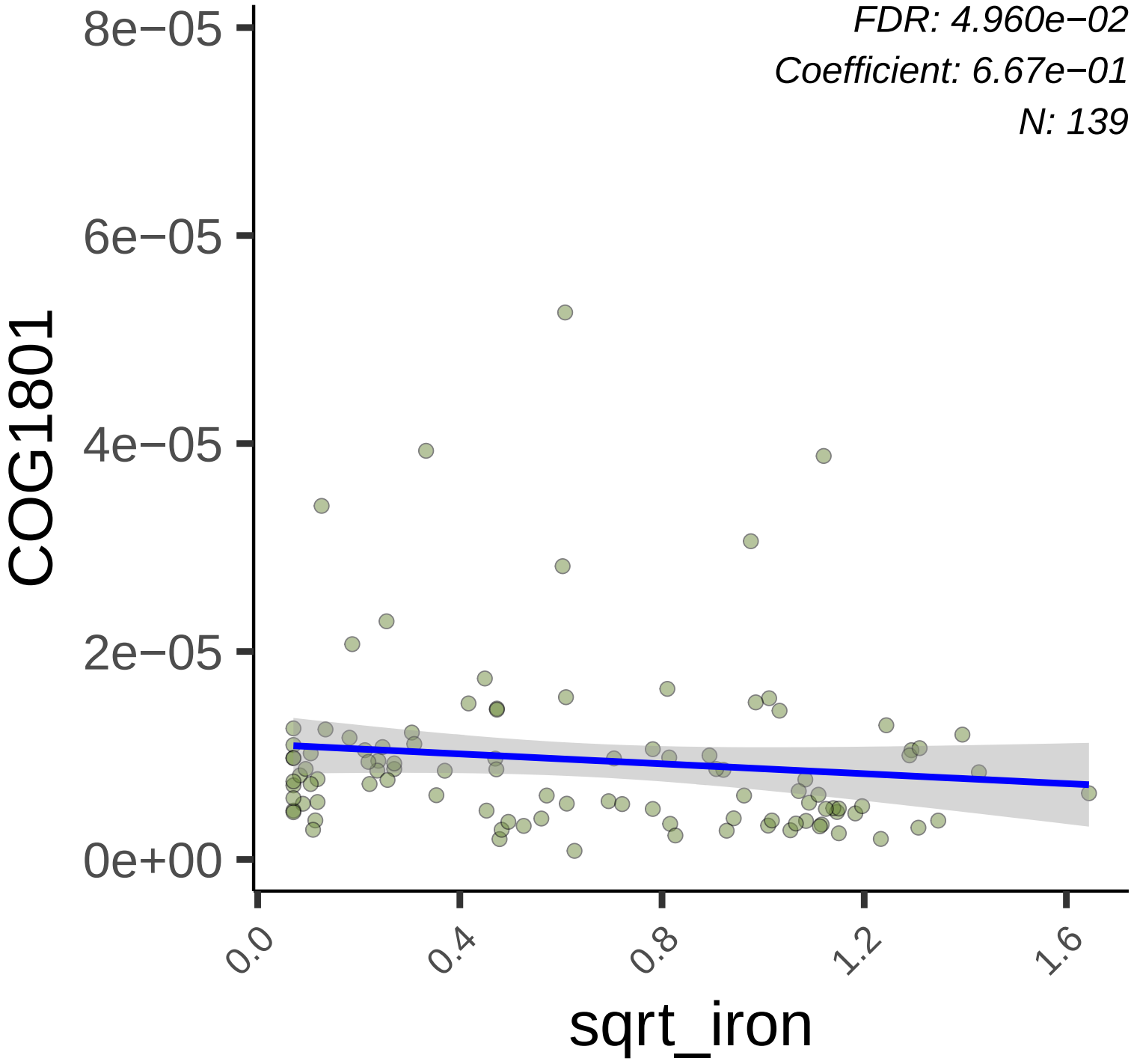
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.960e−02
Coefficient: 6.67e−01
N: 139
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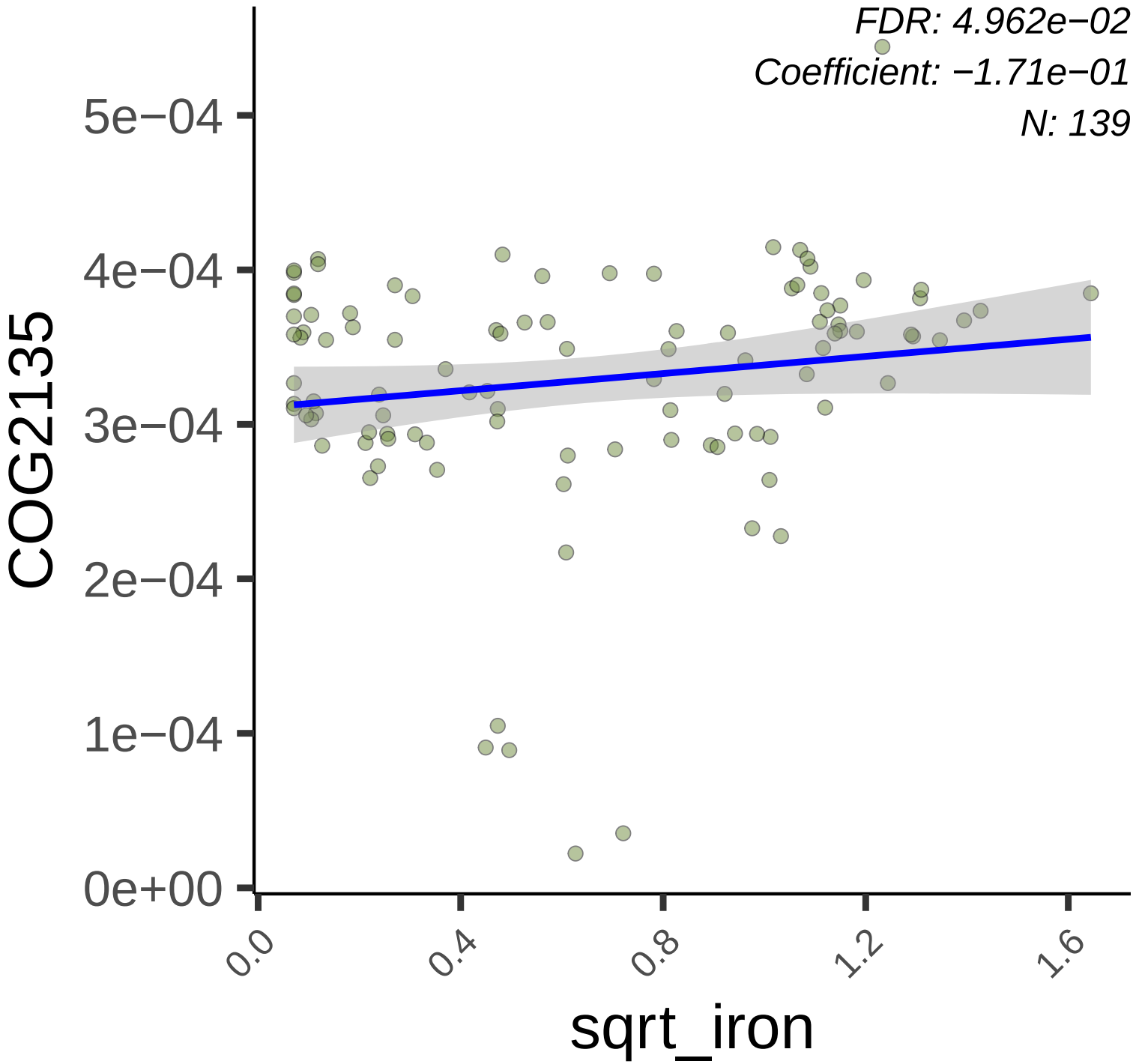
1.6
sqrt_iron


FDR: 4.962e−02
Coefficient: −1.71e−01
N: 139
COG2135
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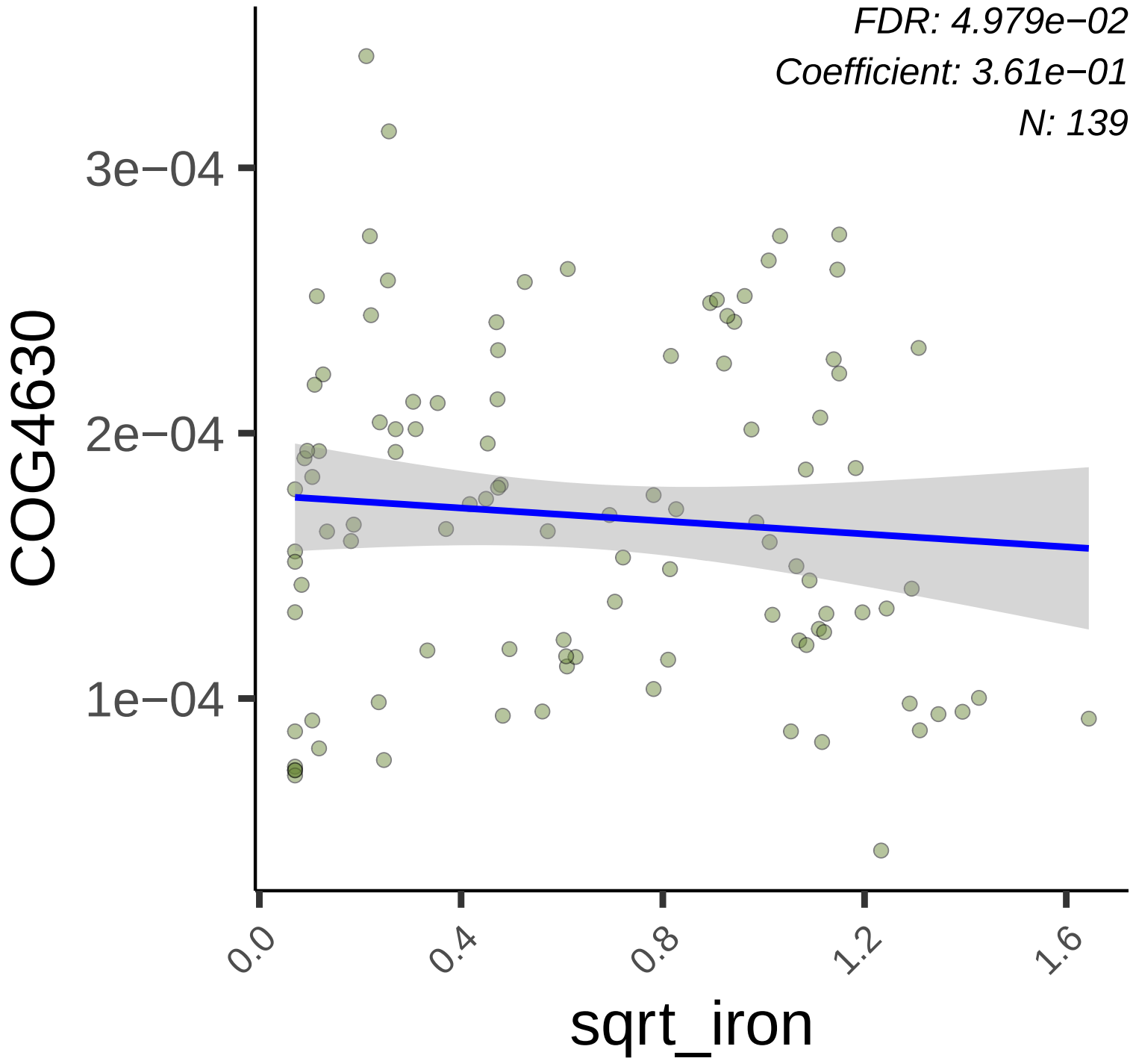
0.4
0.8
1.2
1.6
sqrt_iron


FDR: 4.979e−02
Coefficient: 3.61e−01
N: 139
COG4630
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1e−04
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0.4
0.8
1.2
1.6
sqrt_iron