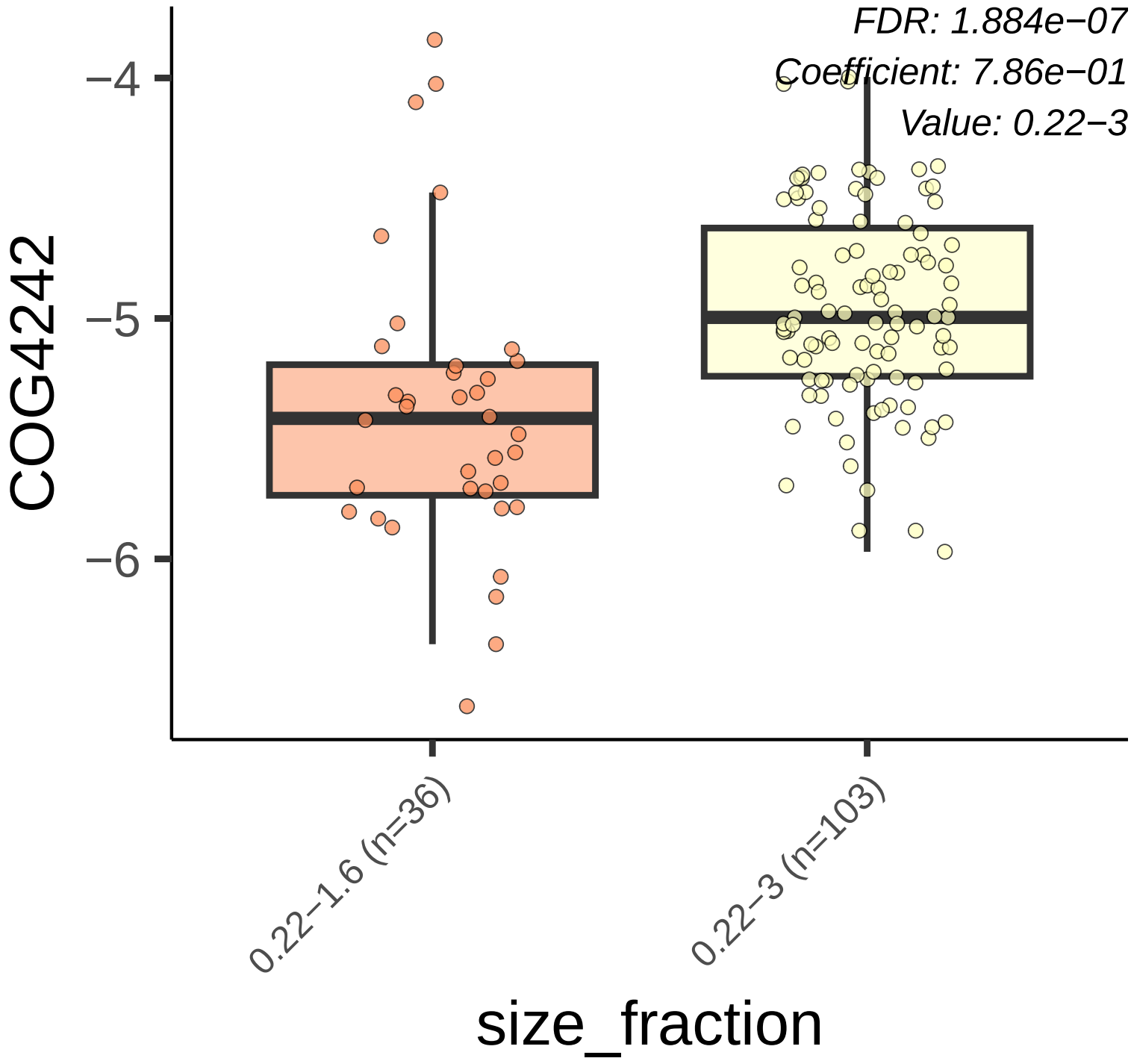
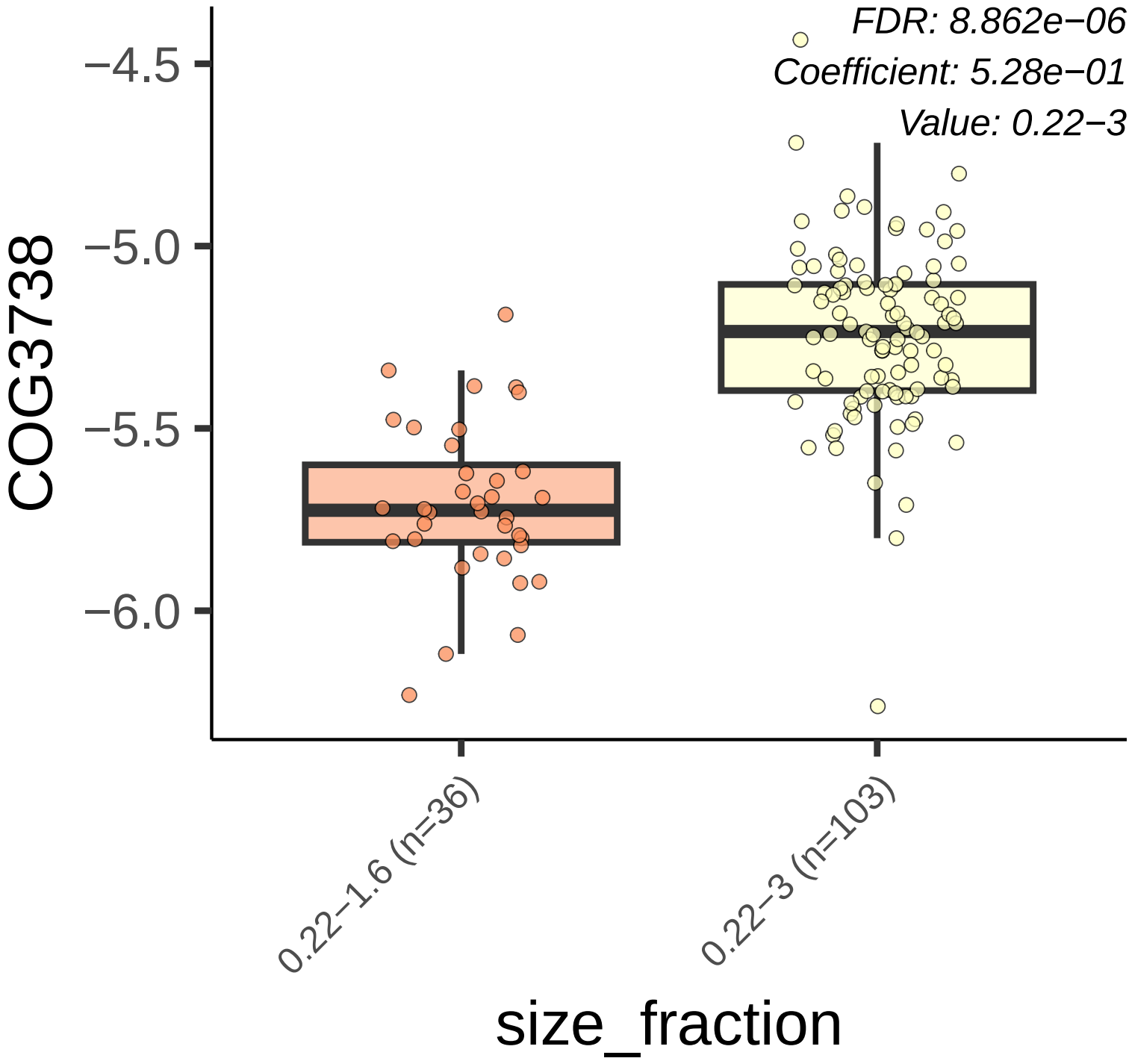
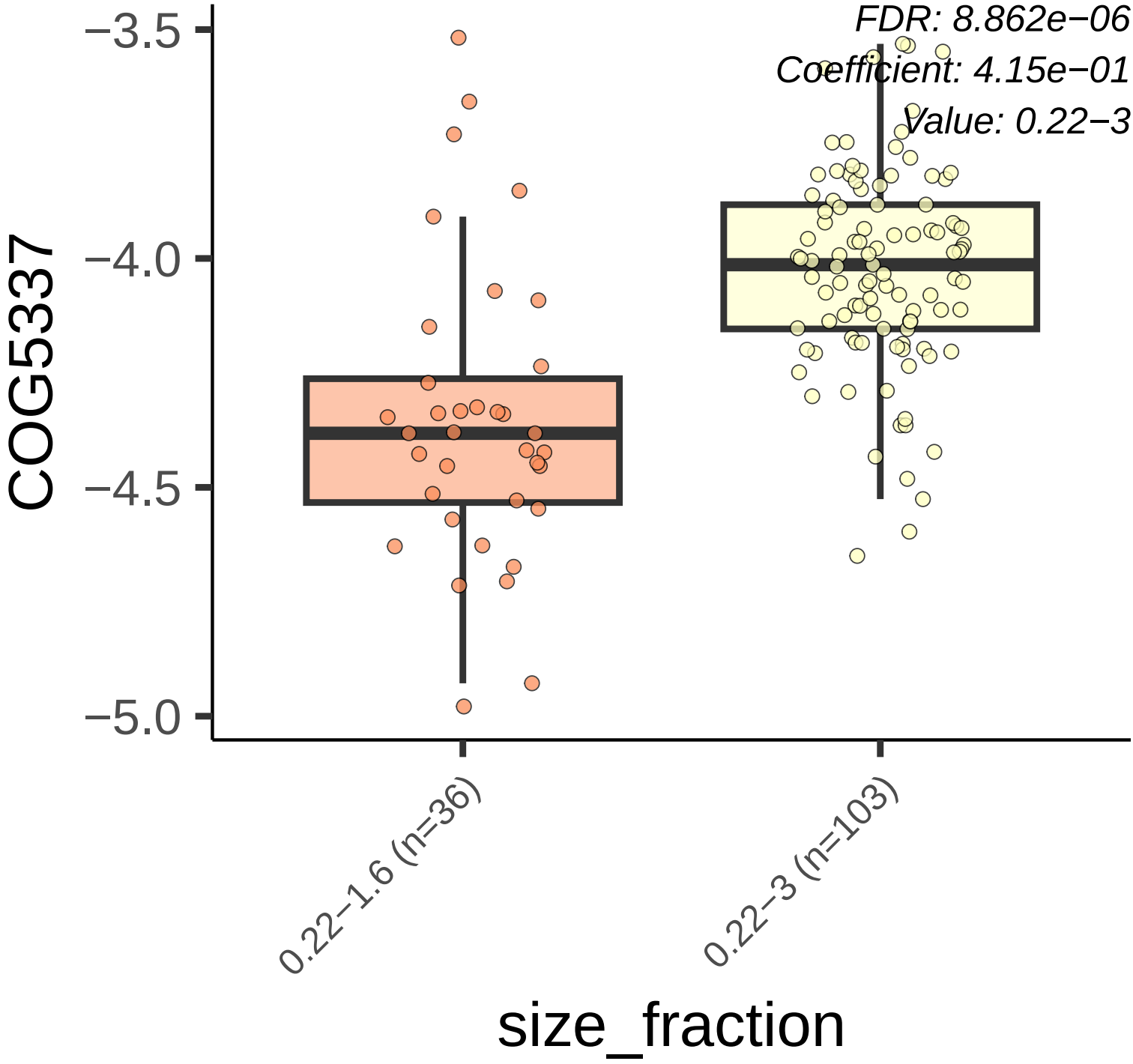
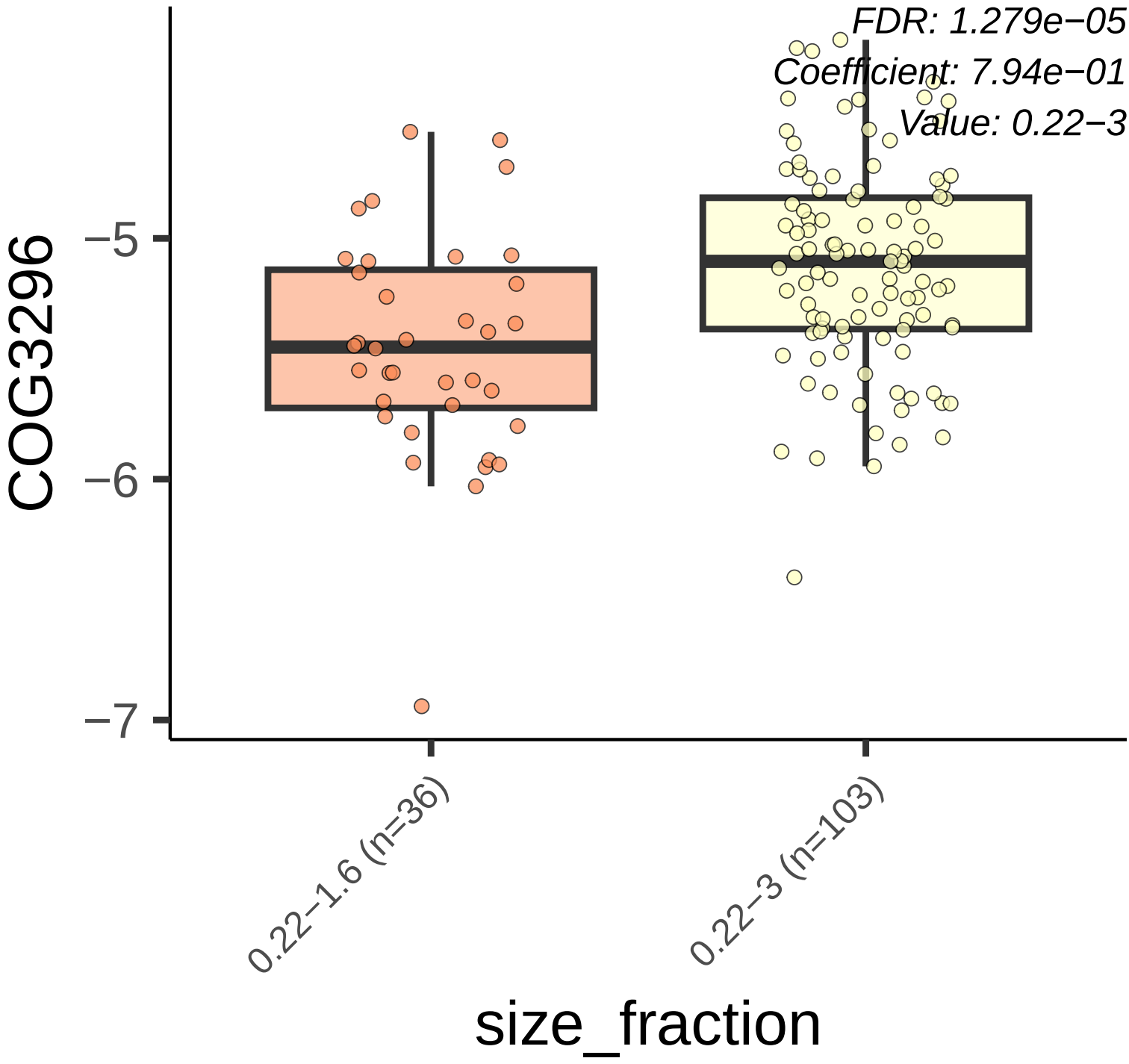
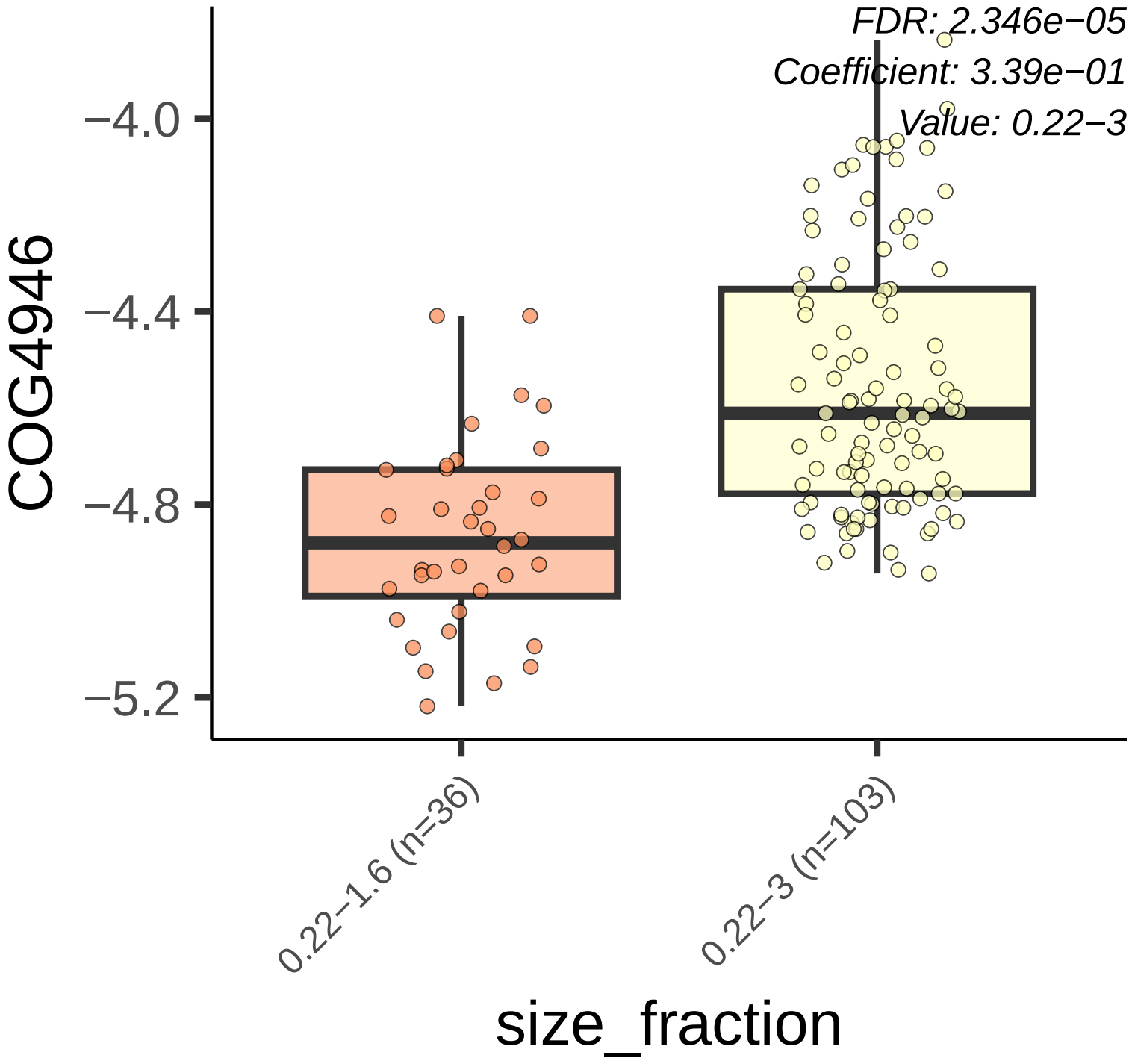
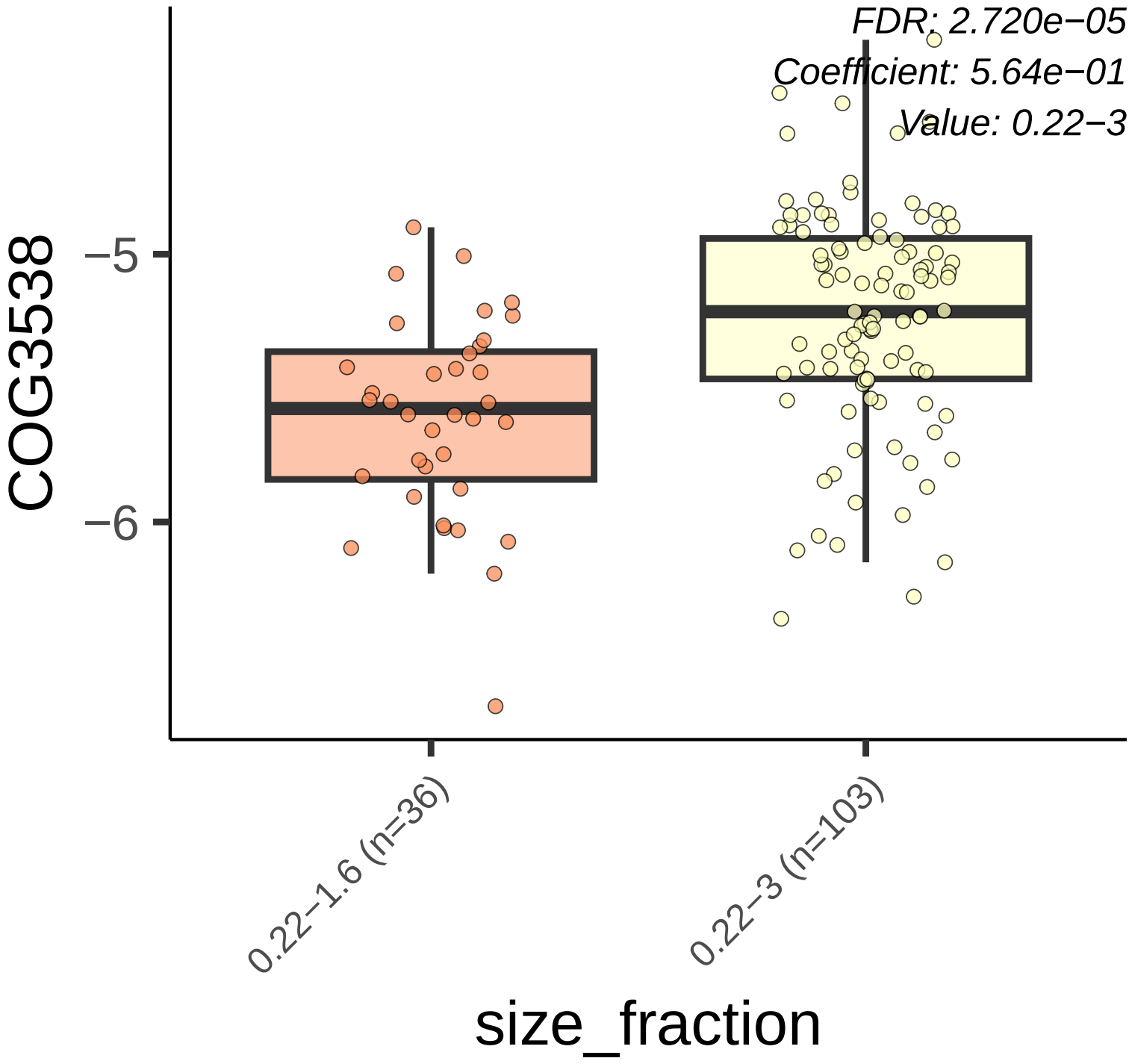

FDR: 1.884e−07
Coefficient: 7.86e−01
Value: 0.22−3
COG4242
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

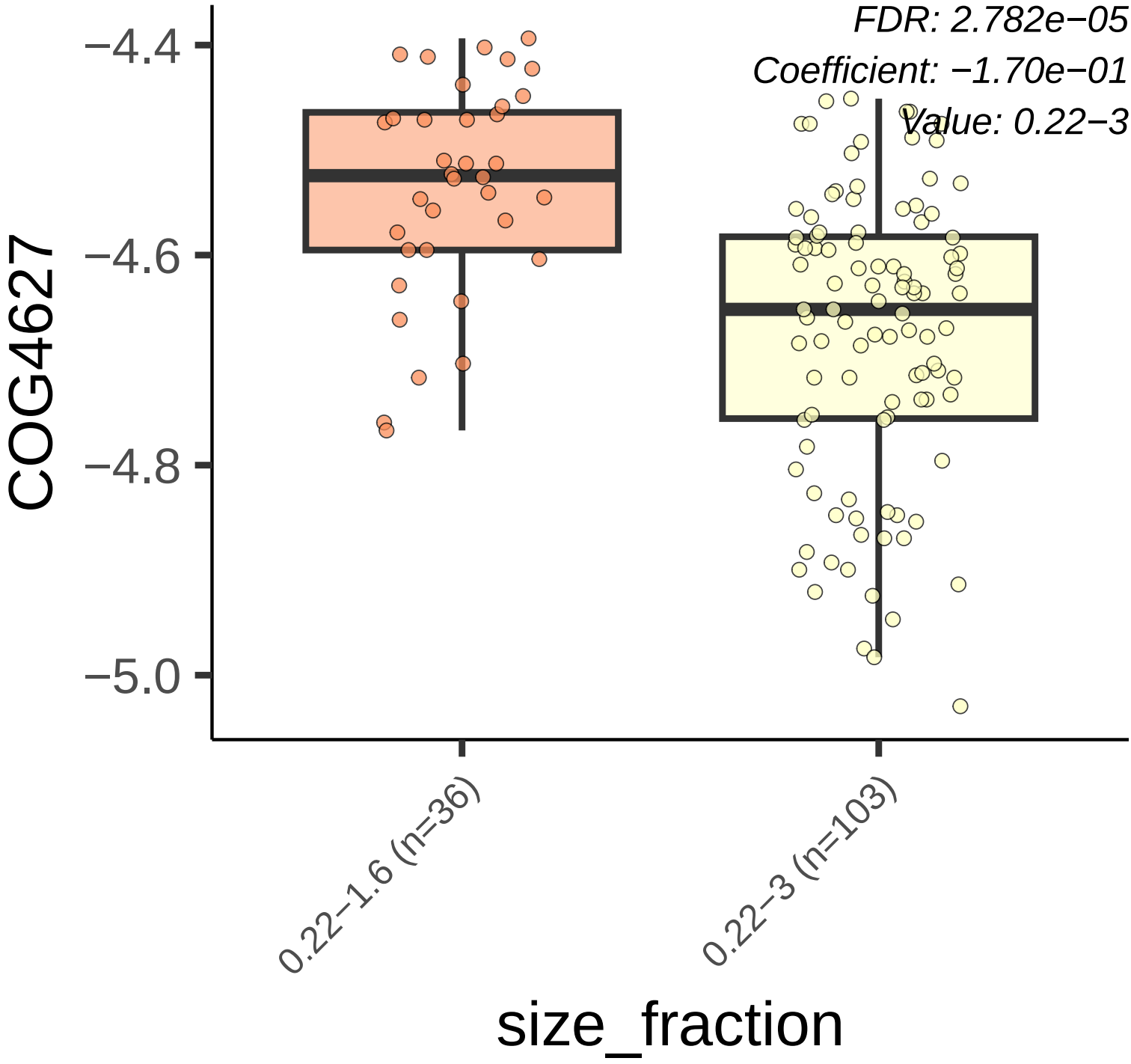

FDR: 8.862e−06
Coefficient: 5.28e−01
Value: 0.22−3
COG3738
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

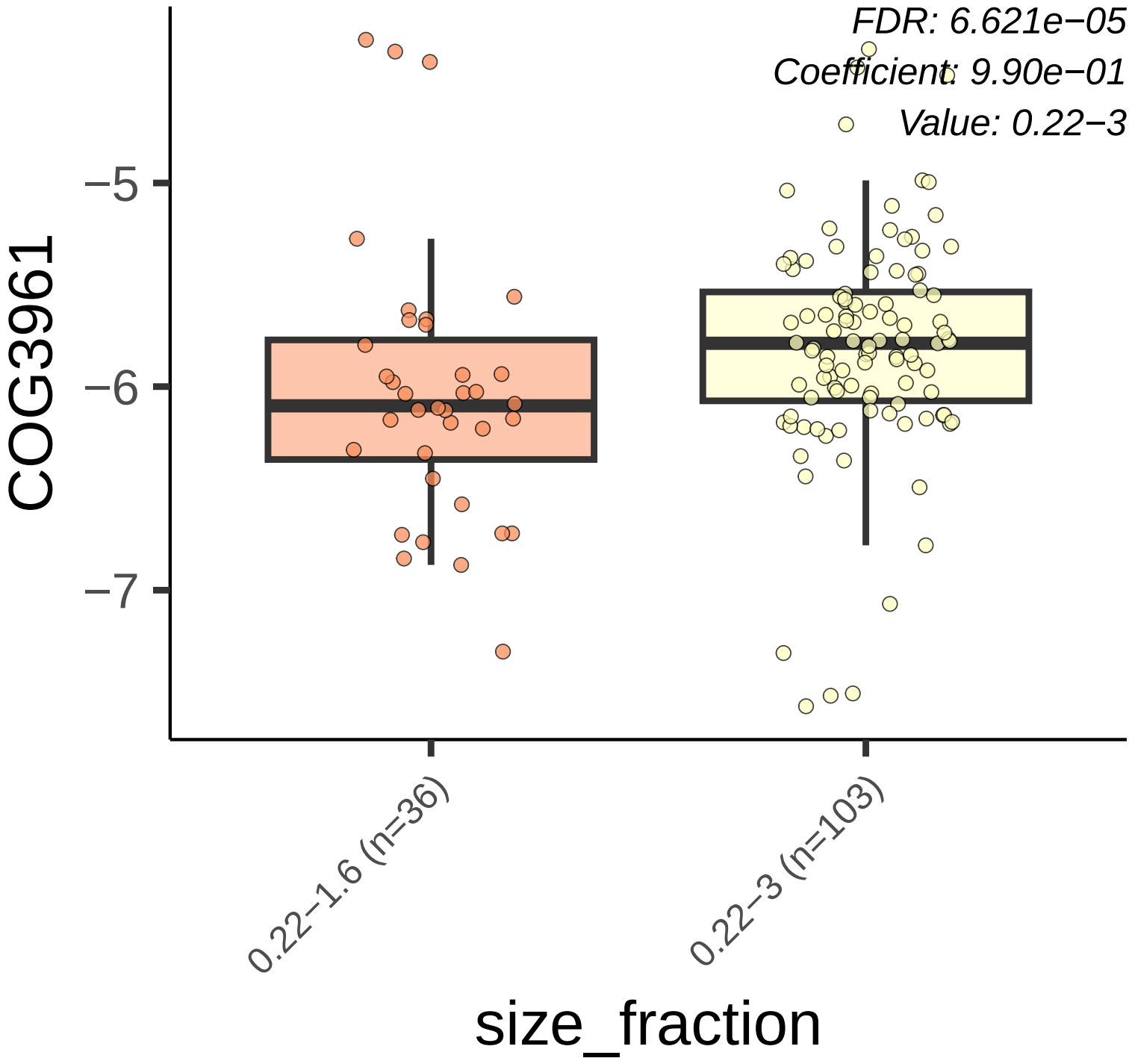

FDR: 8.862e−06
Coefficient: 4.15e−01
Value: 0.22−3
COG5337
−3.5
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

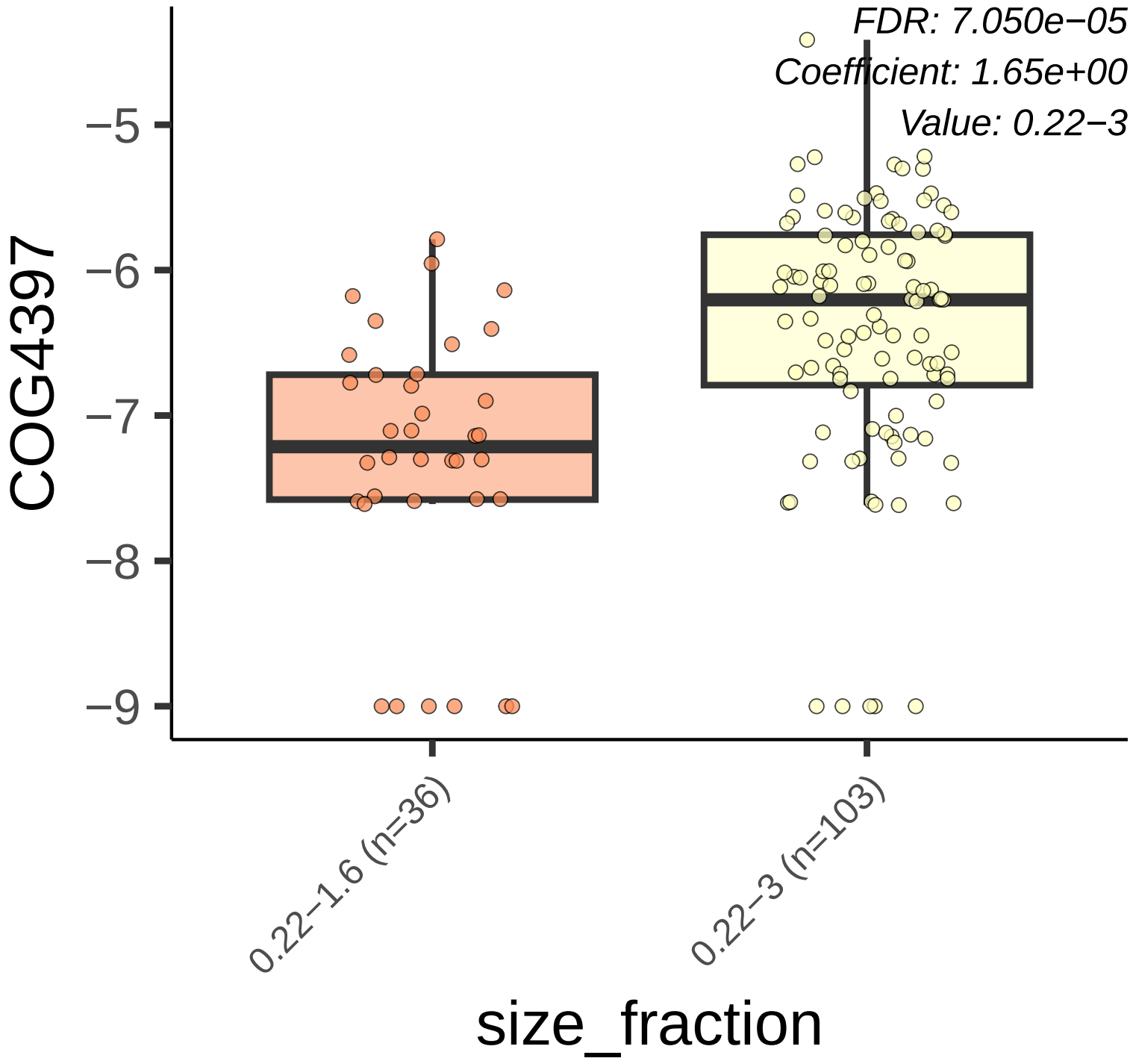

FDR: 1.279e−05
Coefficient: 7.94e−01
Value: 0.22−3
COG3296
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

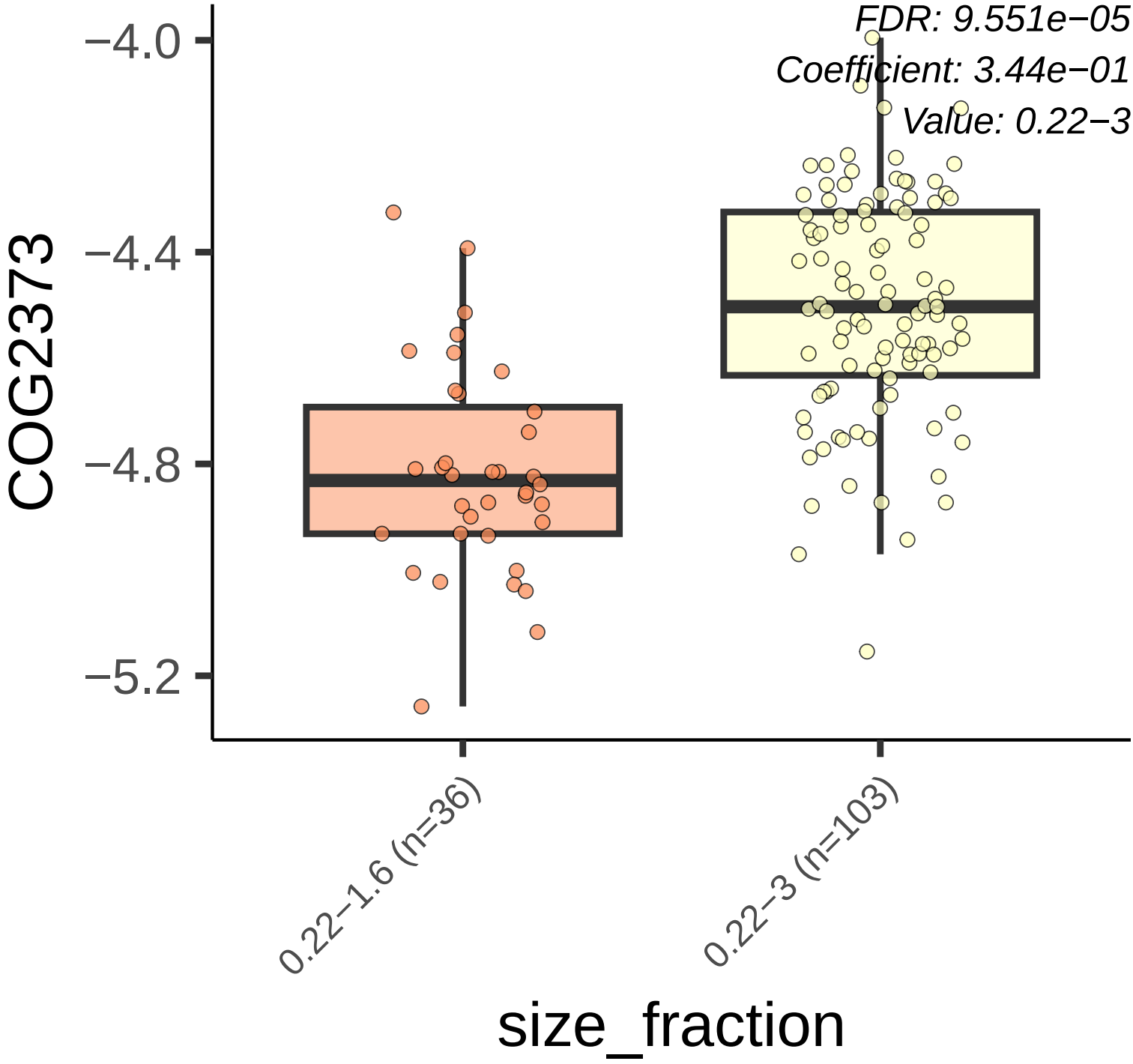

FDR: 2.346e−05
Coefficient: 3.39e−01
Value: 0.22−3
COG4946
−4.0
−4.4
−4.8
−5.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

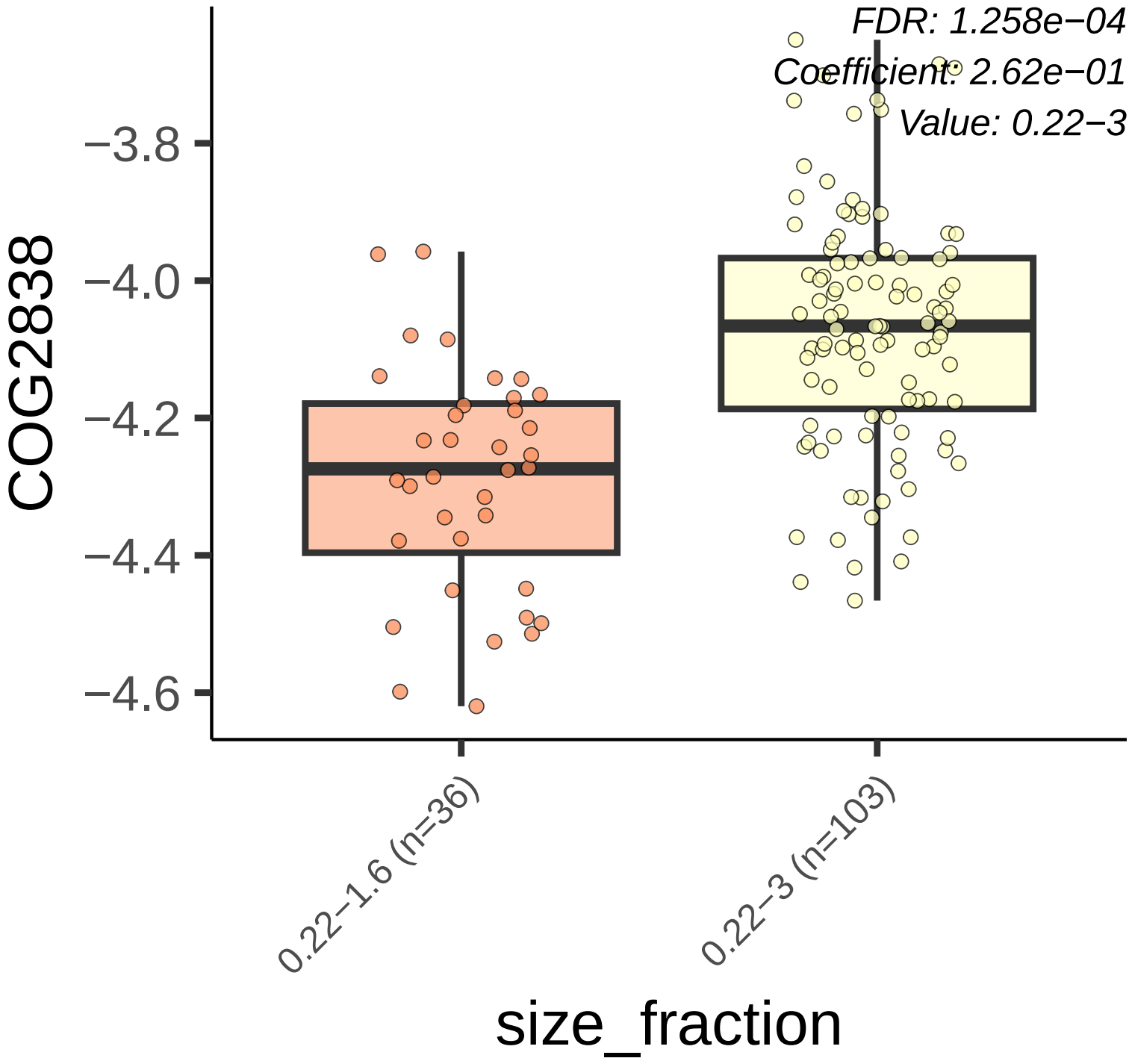

FDR: 2.720e−05
Coefficient: 5.64e−01
Value: 0.22−3
COG3538
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

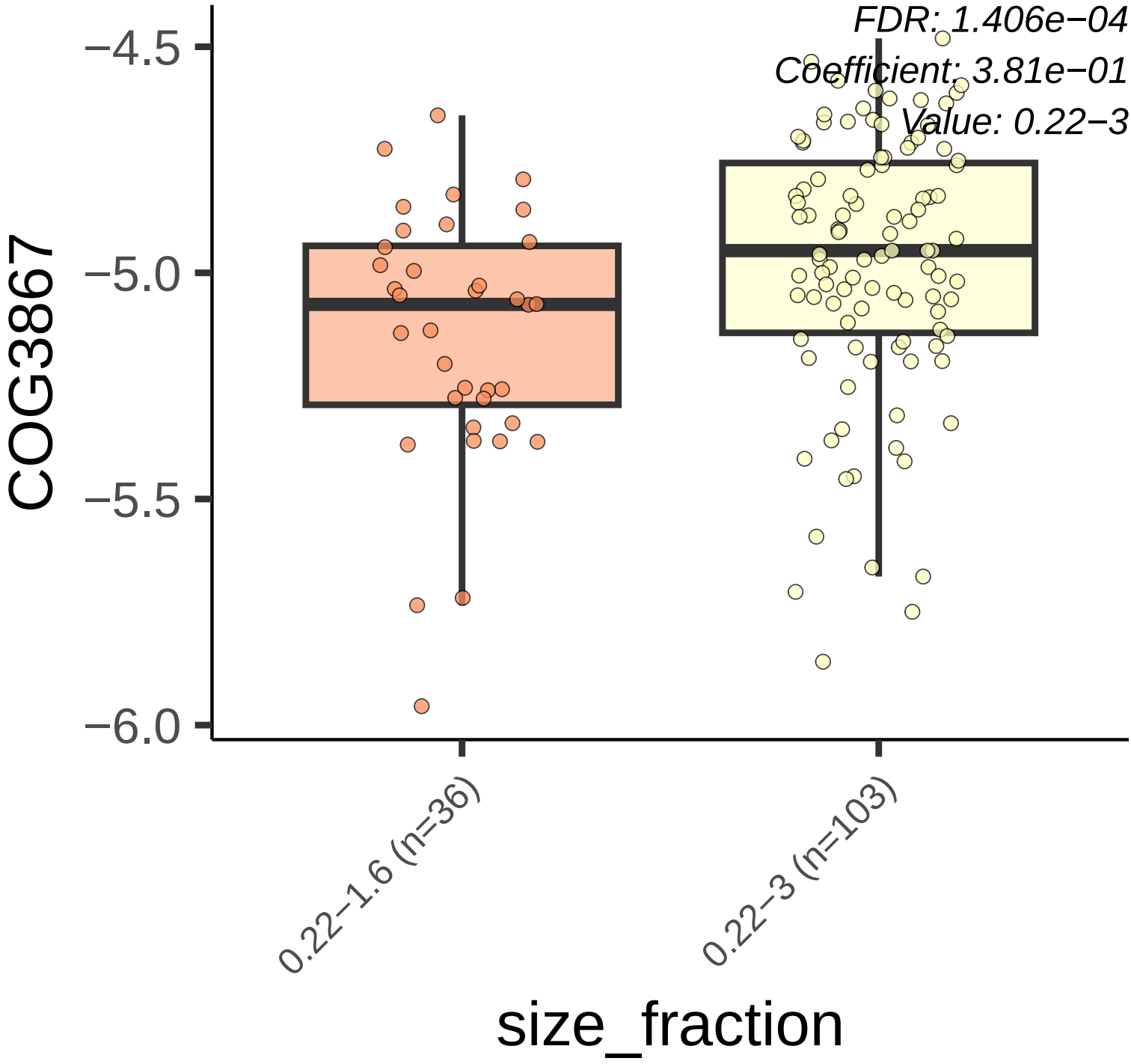

FDR: 2.782e−05
Coefficient: −1.70e−01
Value: 0.22−3
COG4627
−4.4
−4.6
−4.8
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

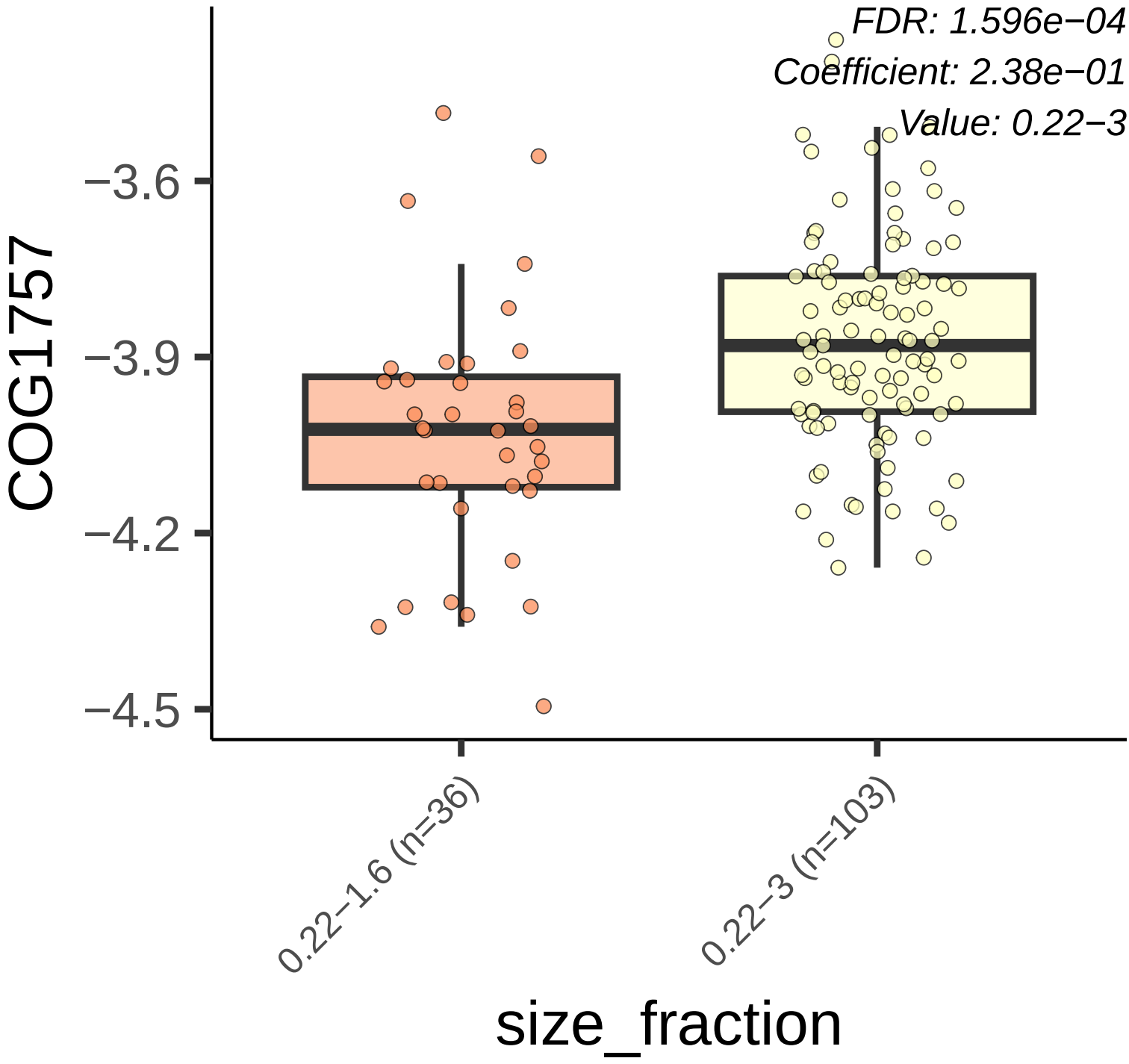

FDR: 6.621e−05
Coefficient: 9.90e−01
Value: 0.22−3
COG3961
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

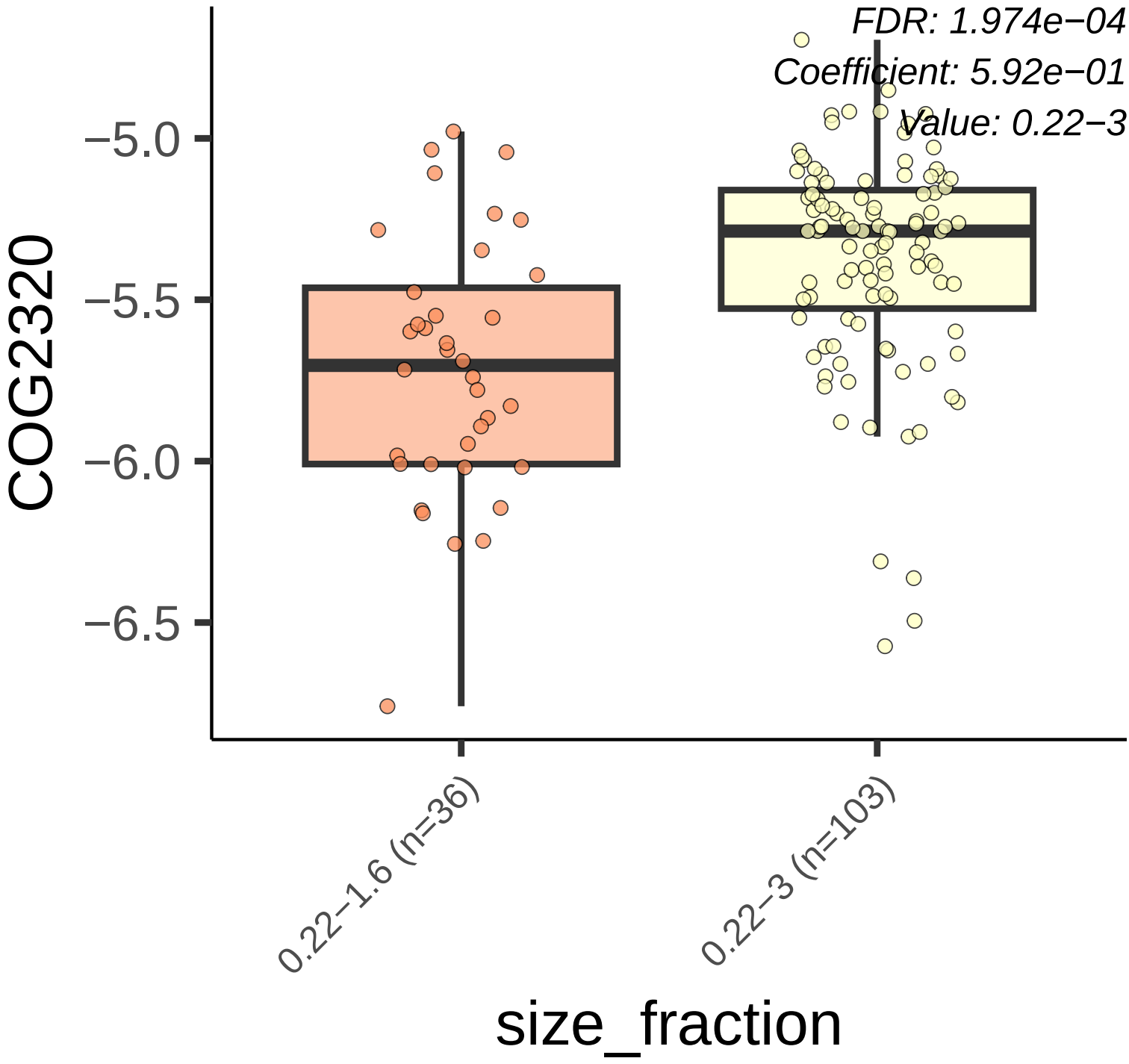

FDR: 7.050e−05
Coefficient: 1.65e+00
Value: 0.22−3
COG4397
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

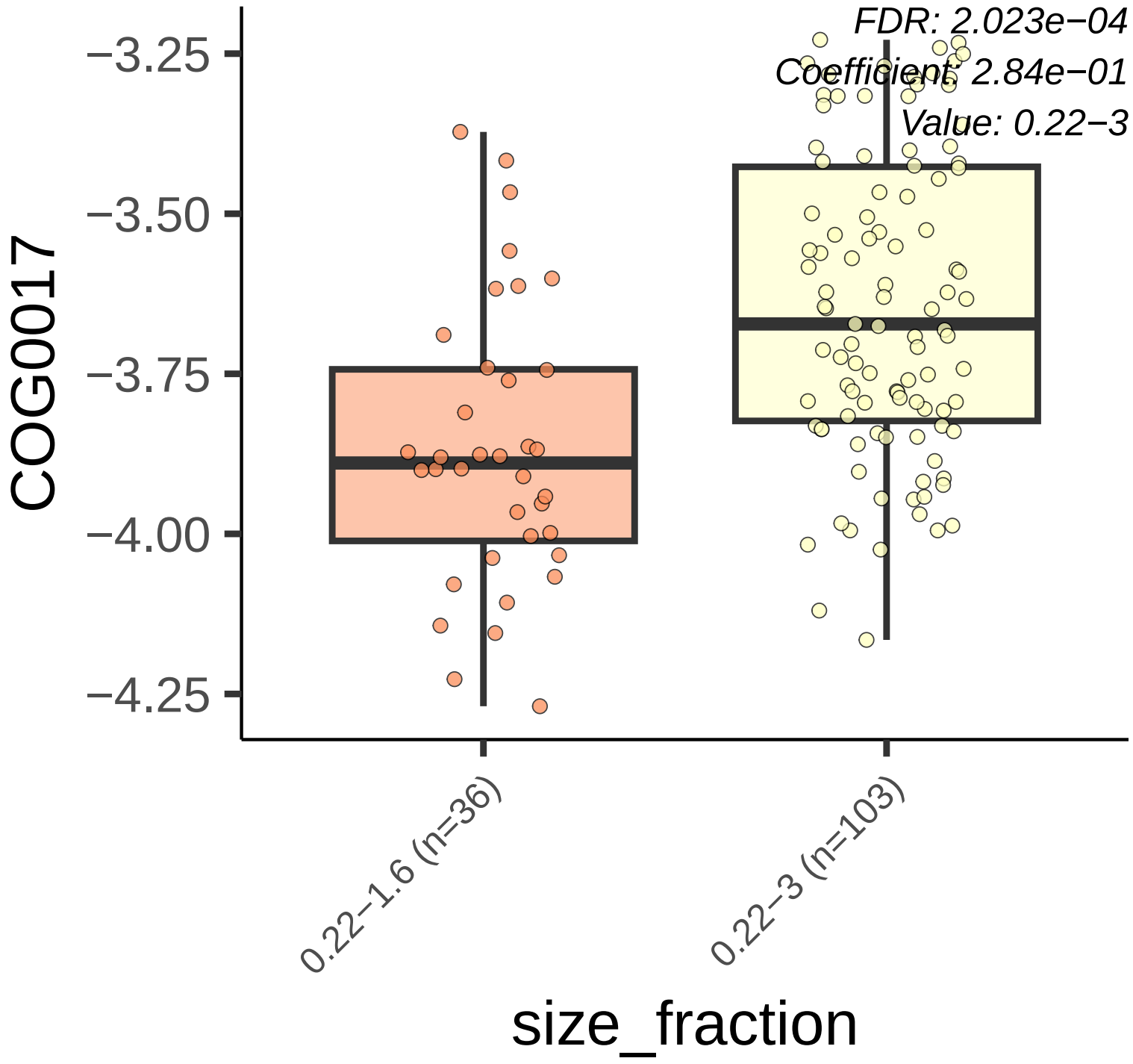

FDR: 9.551e−05
Coefficient: 3.44e−01
Value: 0.22−3
COG2373
−4.0
−4.4
−4.8
−5.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

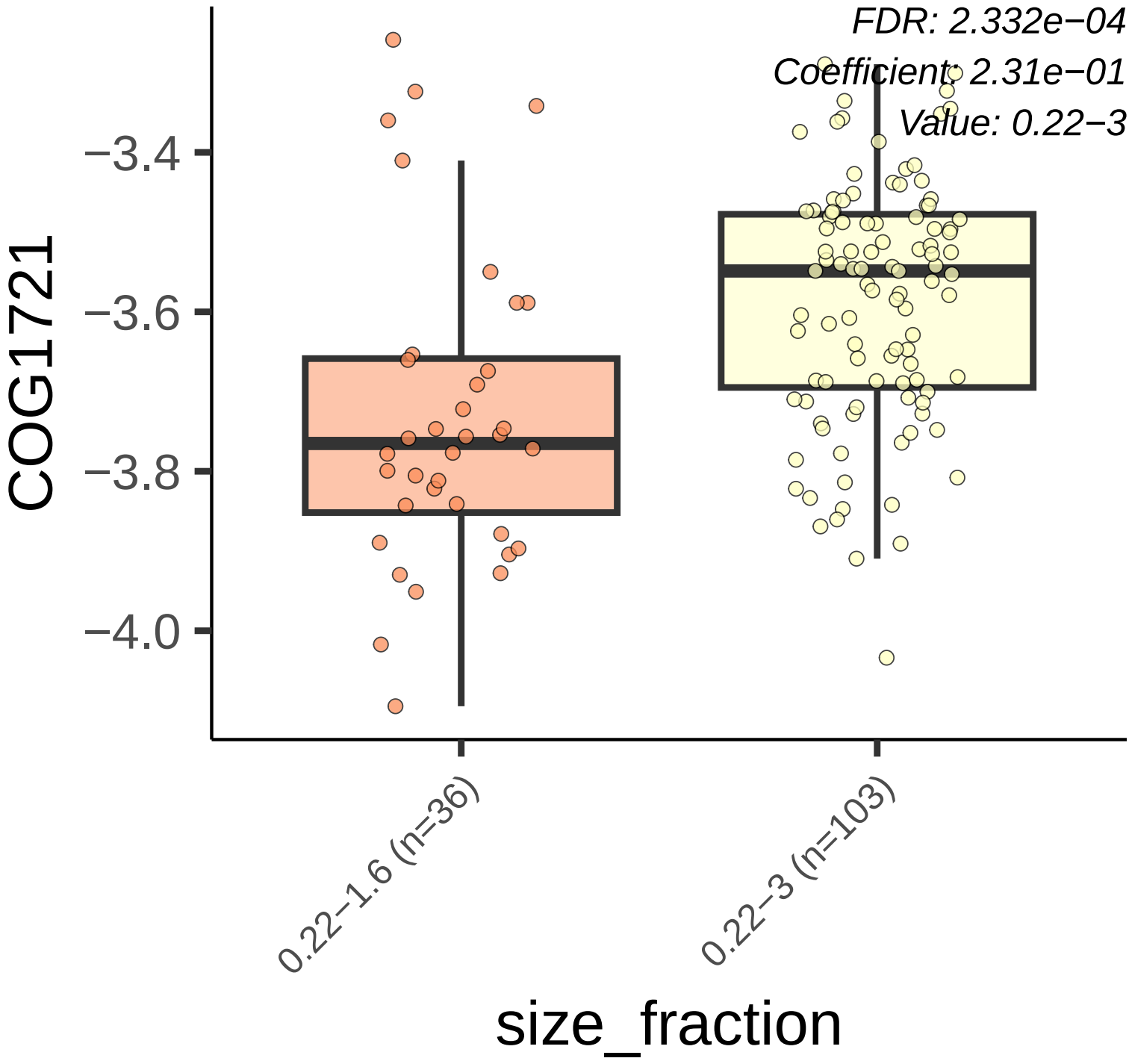

FDR: 1.258e−04
Coefficient: 2.62e−01
Value: 0.22−3
COG2838
−3.8
−4.0
−4.2
−4.4
−4.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

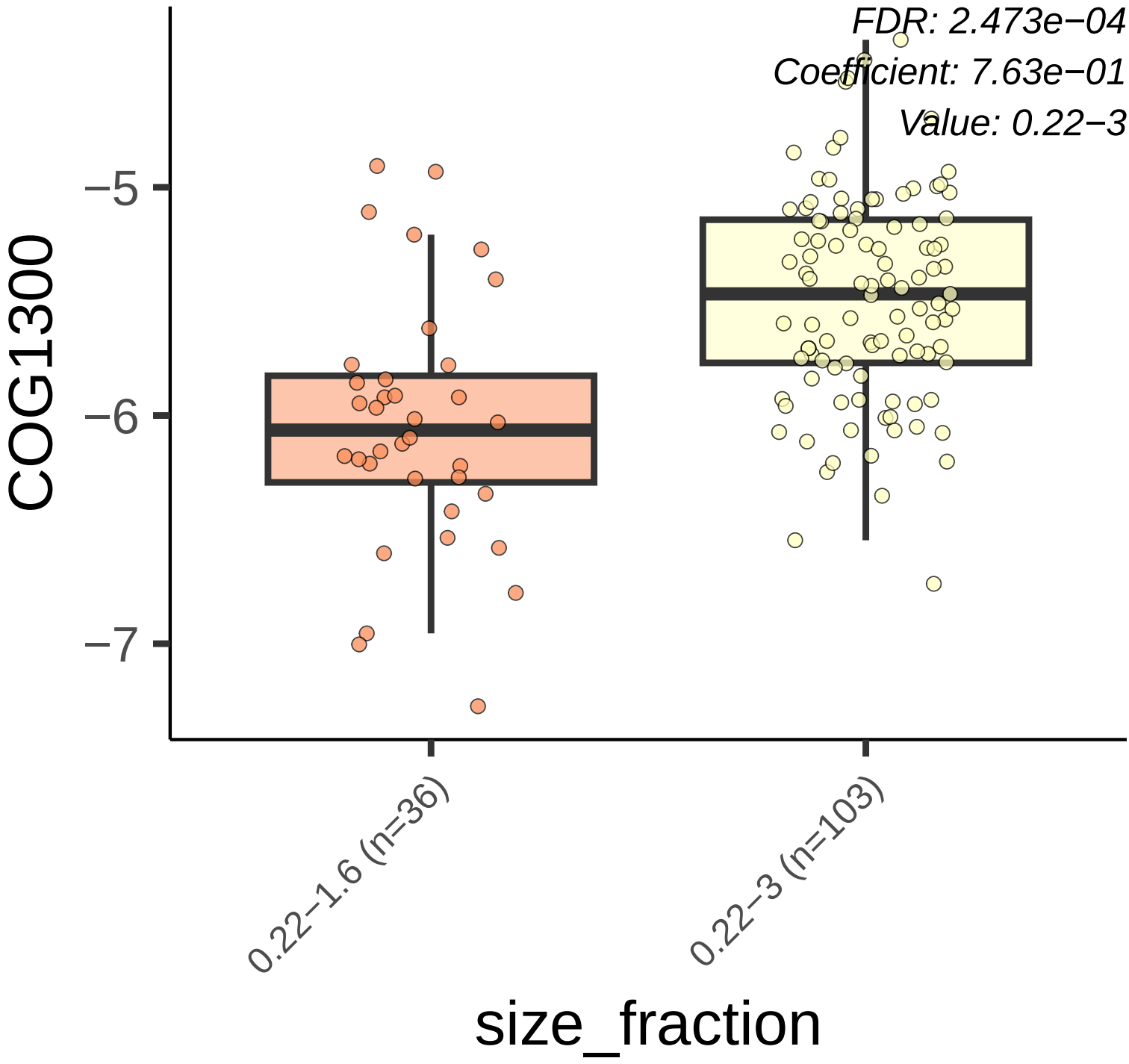

FDR: 1.406e−04
Coefficient: 3.81e−01
Value: 0.22−3
COG3867
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

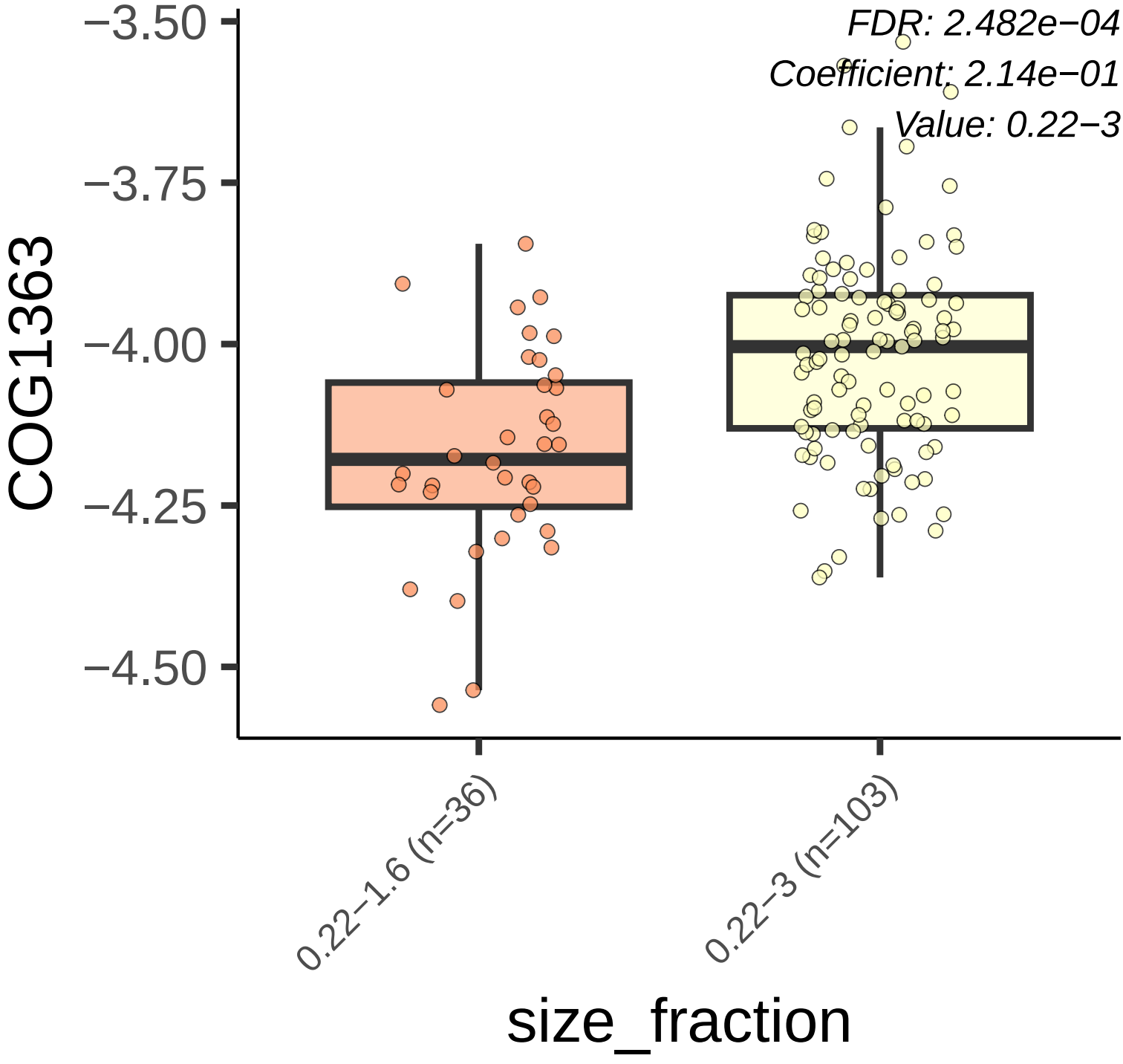

FDR: 1.596e−04
Coefficient: 2.38e−01
Value: 0.22−3
COG1757
−3.6
−3.9
−4.2
−4.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

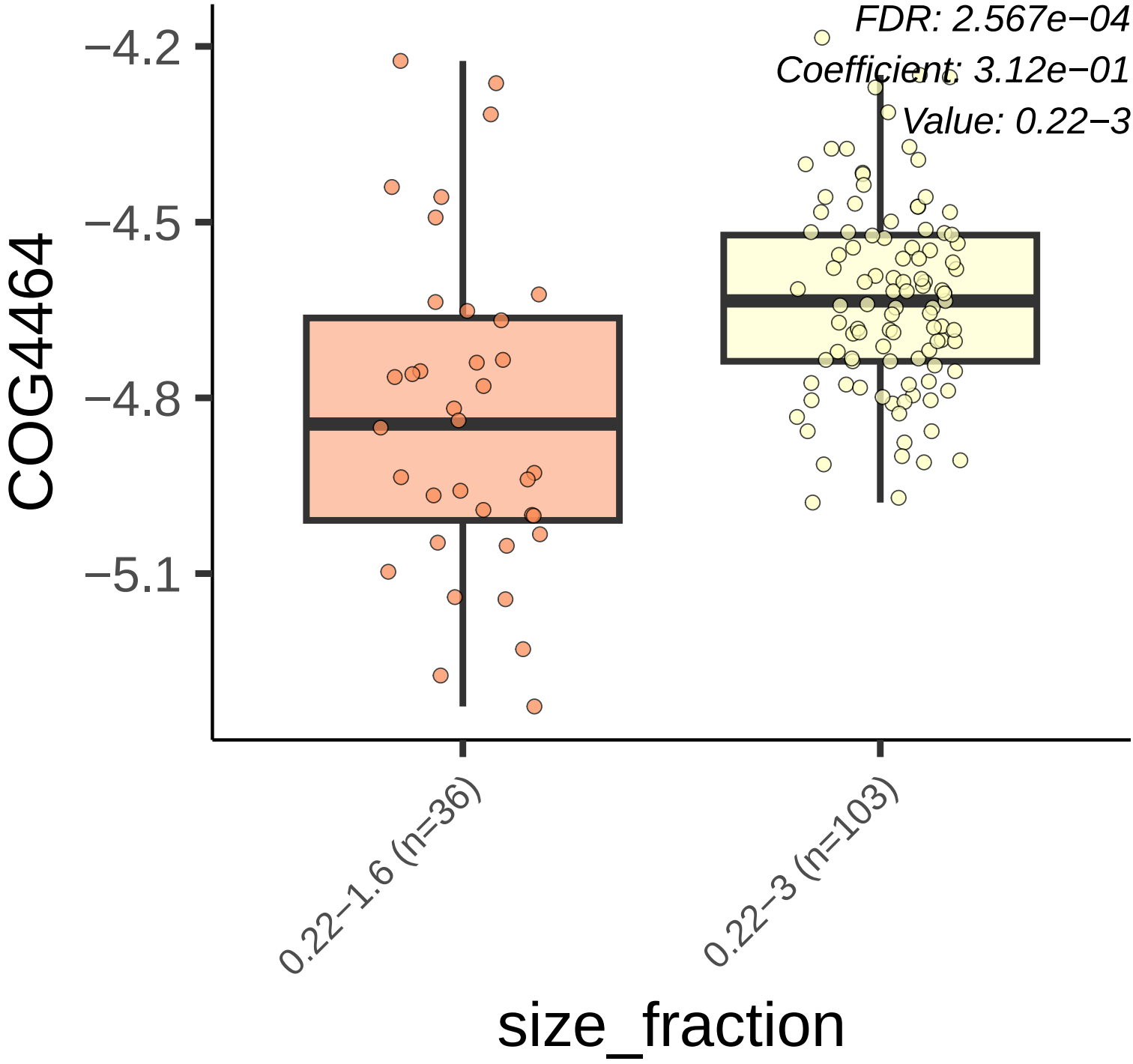

FDR: 1.974e−04
Coefficient: 5.92e−01
Value: 0.22−3
COG2320
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

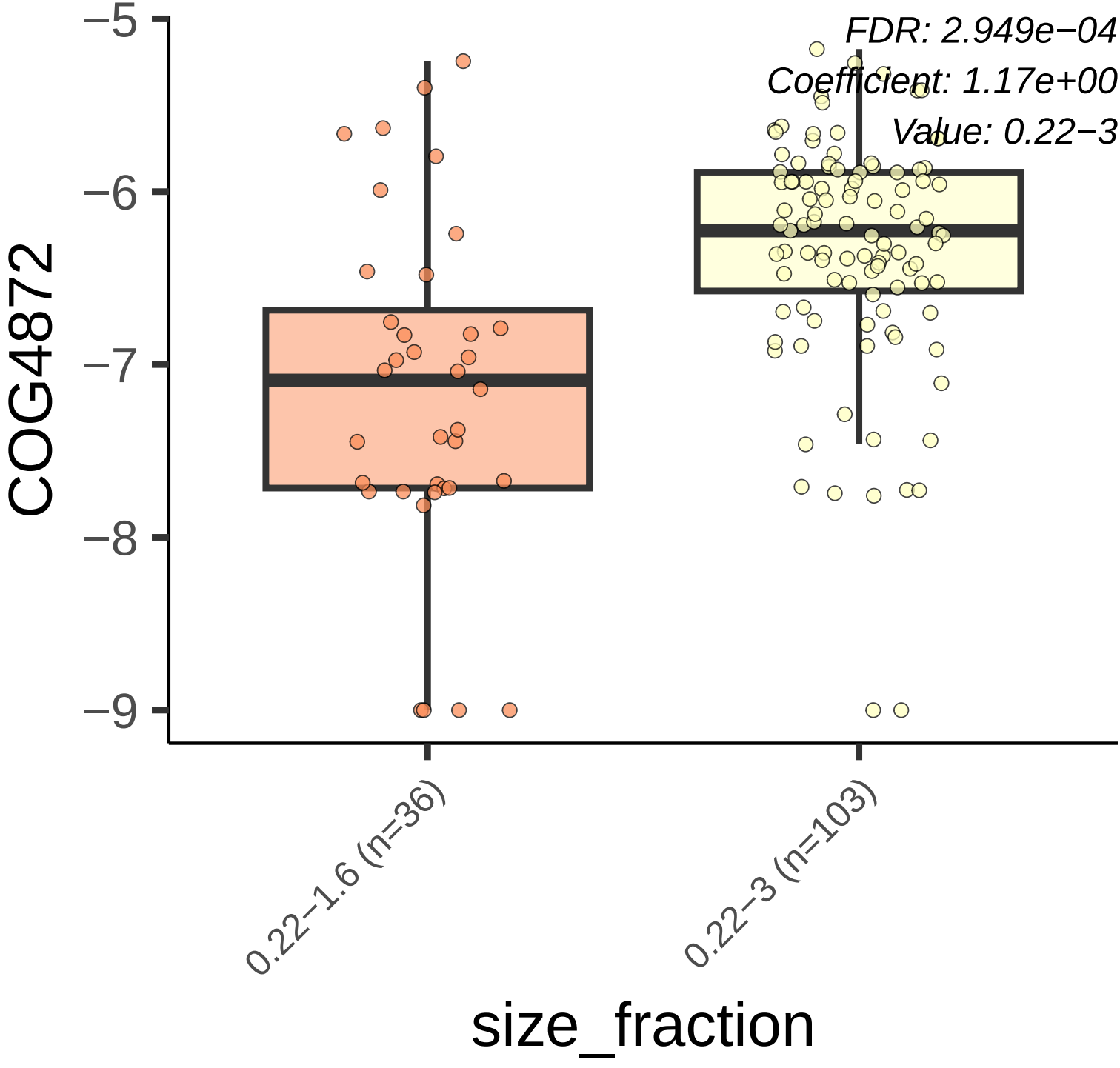

FDR: 2.023e−04
Coefficient: 2.84e−01
Value: 0.22−3
COG0017
−3.25
−3.50
−3.75
−4.00
−4.25
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

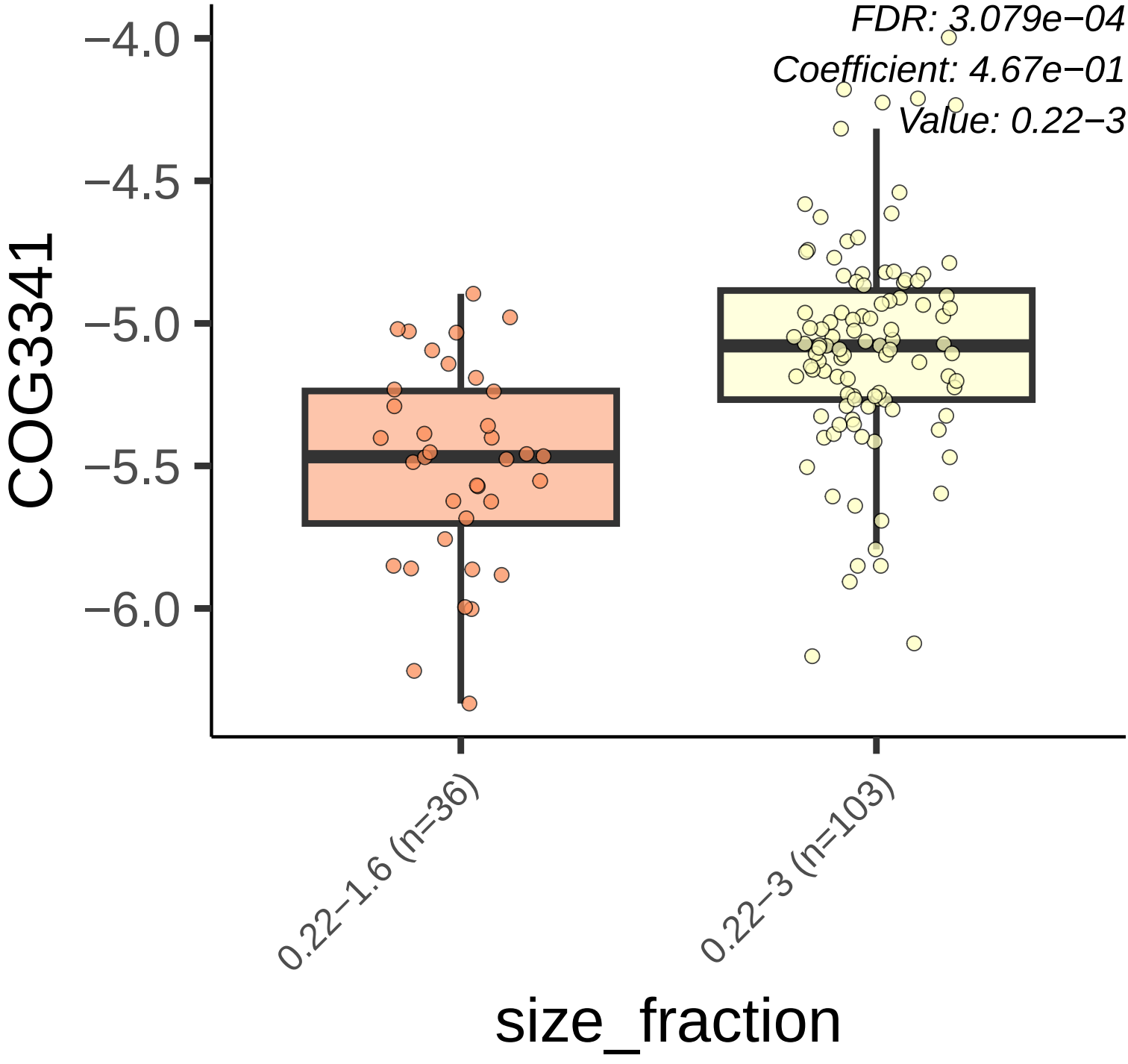

FDR: 2.332e−04
Coefficient: 2.31e−01
Value: 0.22−3
COG1721
−3.4
−3.6
−3.8
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

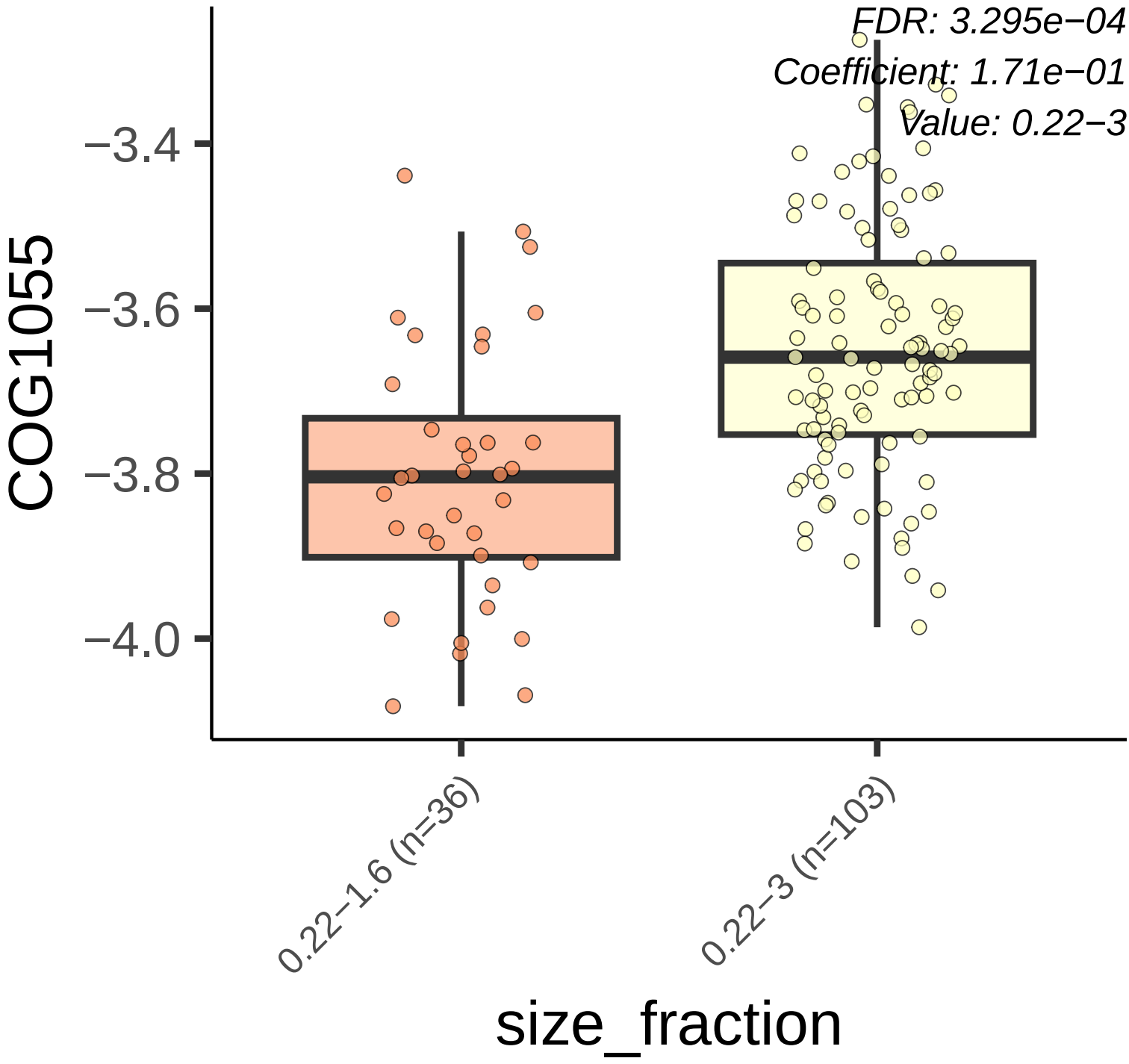

FDR: 2.473e−04
Coefficient: 7.63e−01
Value: 0.22−3
COG1300
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

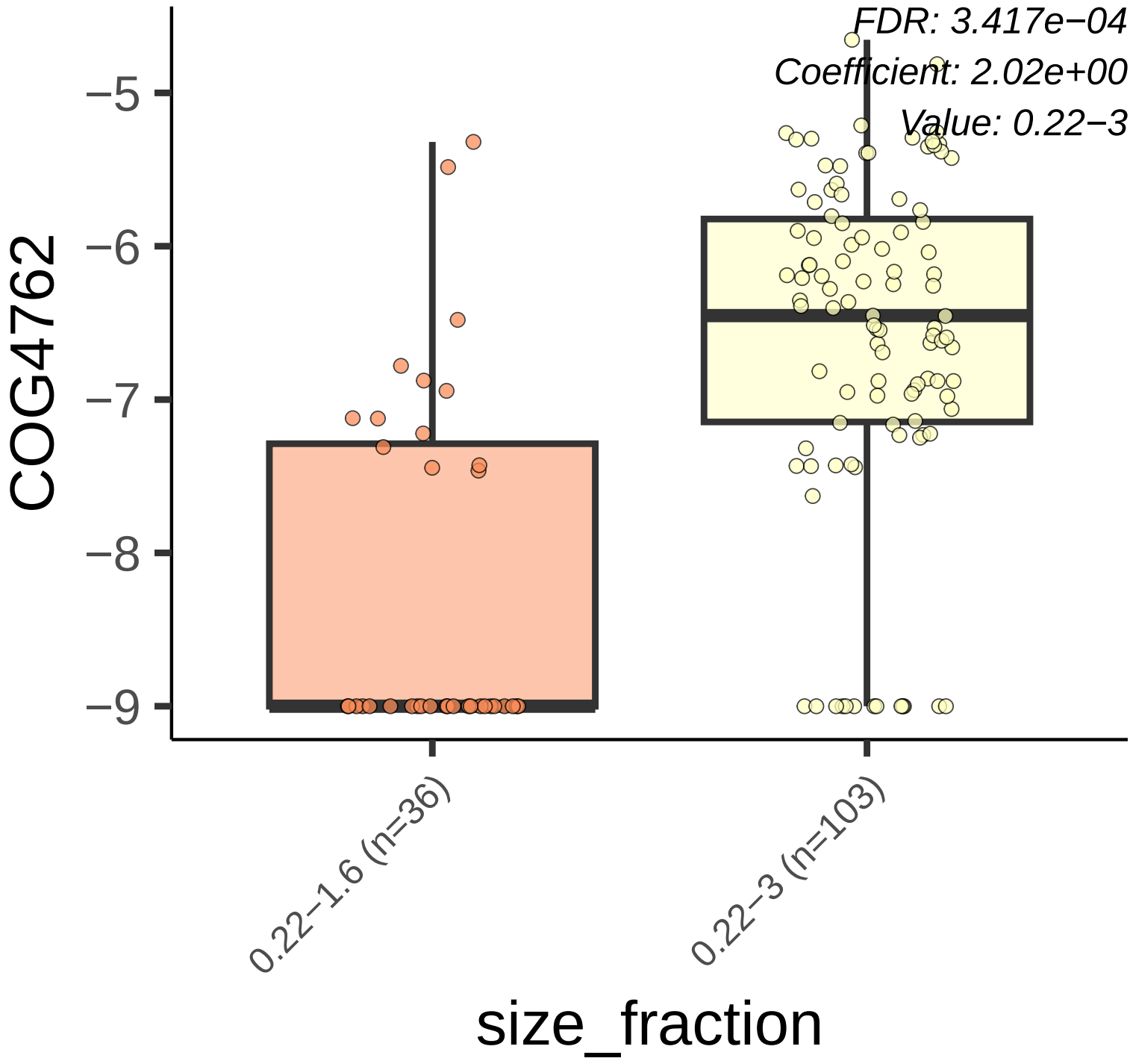

FDR: 2.482e−04
Coefficient: 2.14e−01
Value: 0.22−3
−3.50
−3.75
−4.00
−4.25
−4.50
COG1363
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

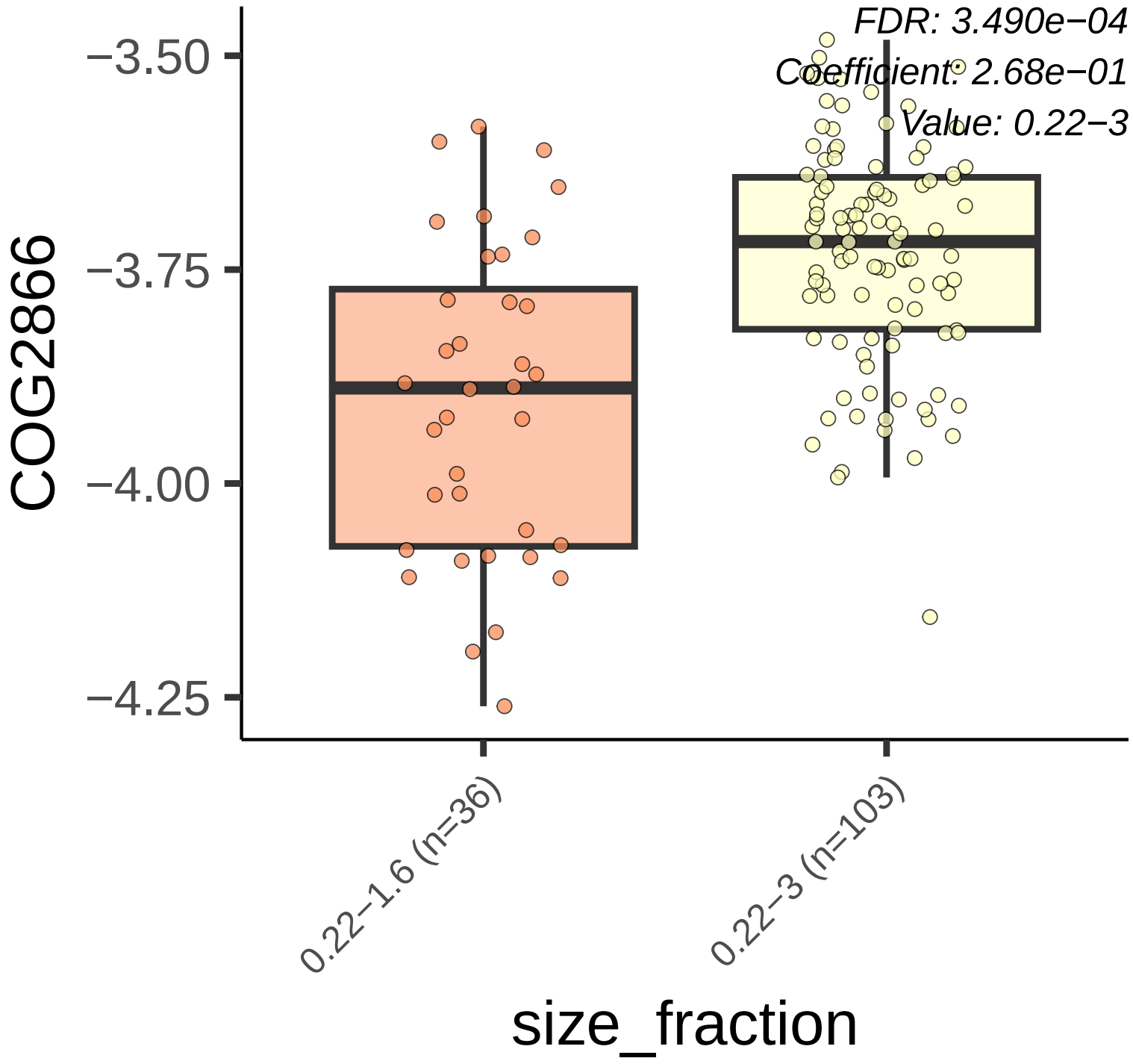

FDR: 2.567e−04
Coefficient: 3.12e−01
Value: 0.22−3
COG4464
−4.2
−4.5
−4.8
−5.1
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

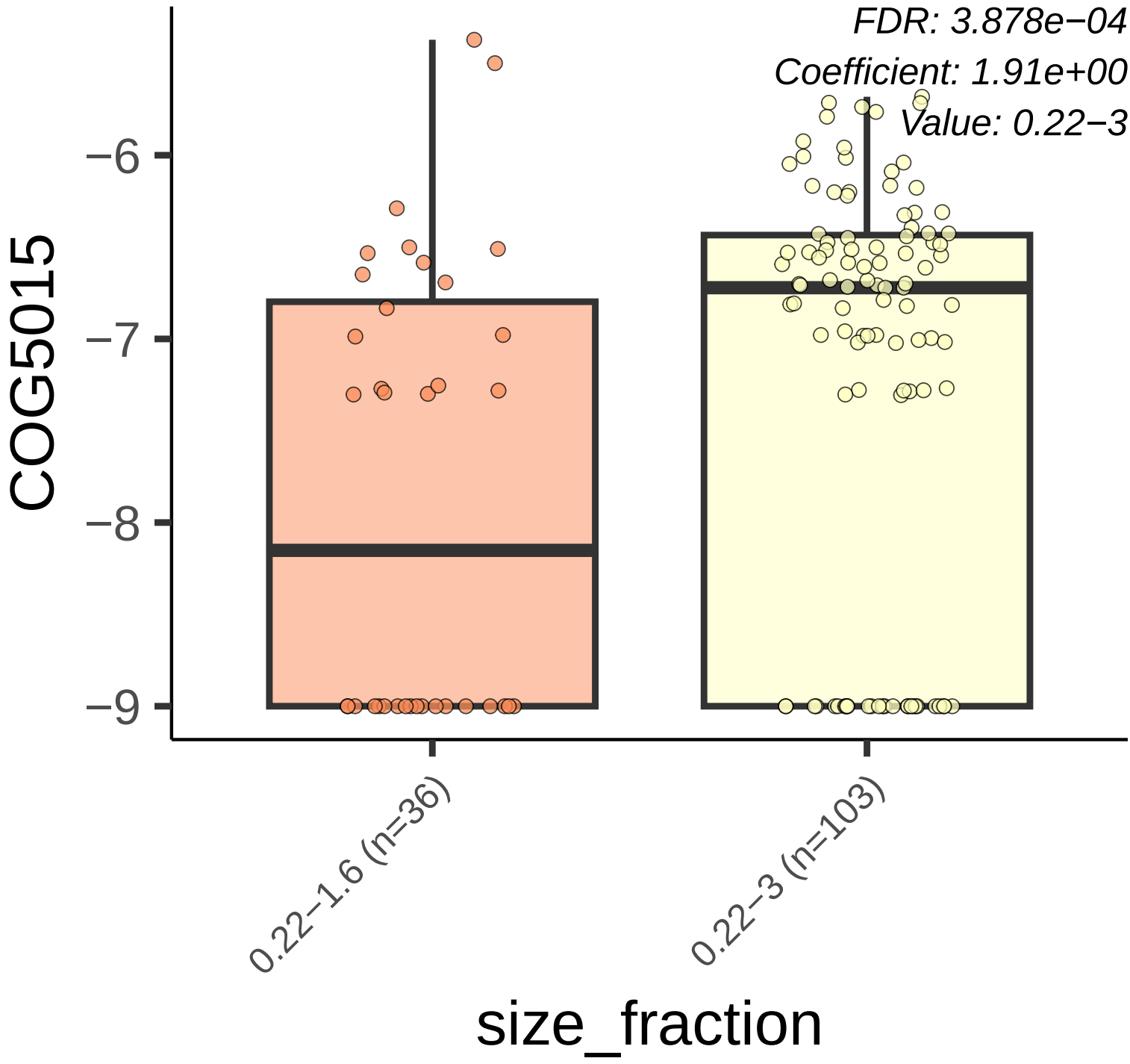

FDR: 2.949e−04
Coefficient: 1.17e+00
Value: 0.22−3
COG4872
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

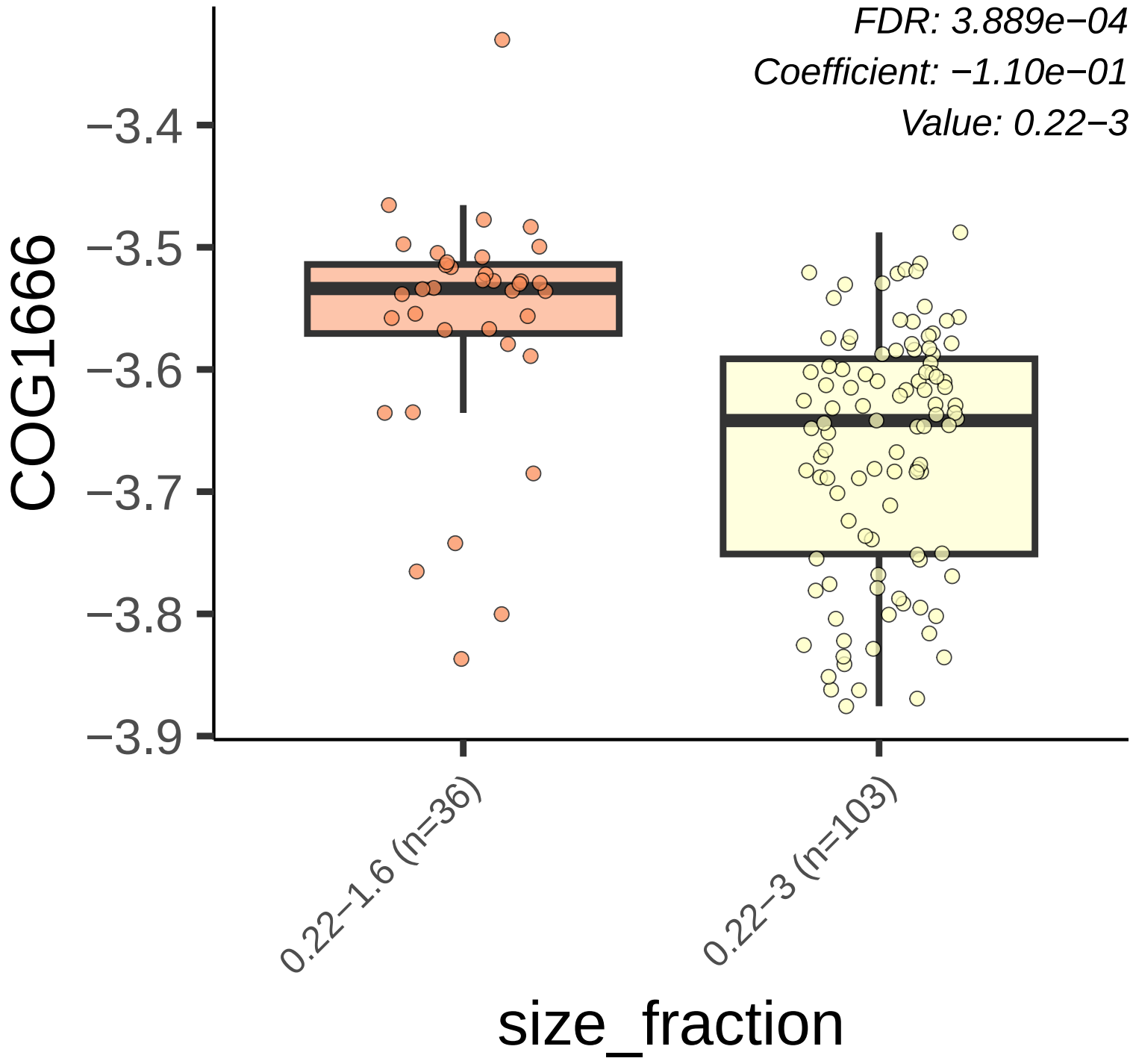

FDR: 3.079e−04
Coefficient: 4.67e−01
Value: 0.22−3
−4.0
−4.5
−5.0
−5.5
−6.0
COG3341
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

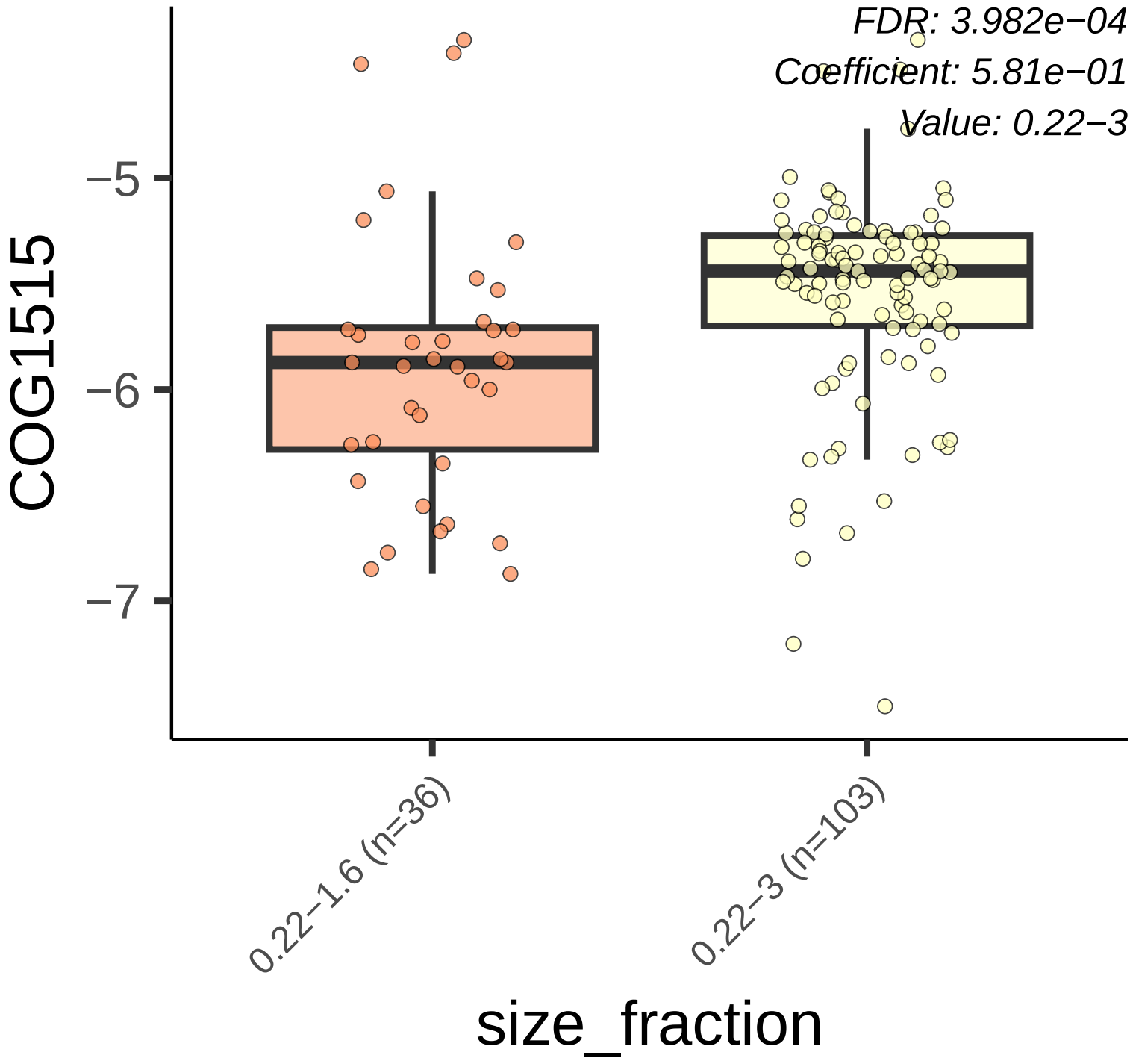

FDR: 3.295e−04
Coefficient: 1.71e−01
Value: 0.22−3
COG1055
−3.4
−3.6
−3.8
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

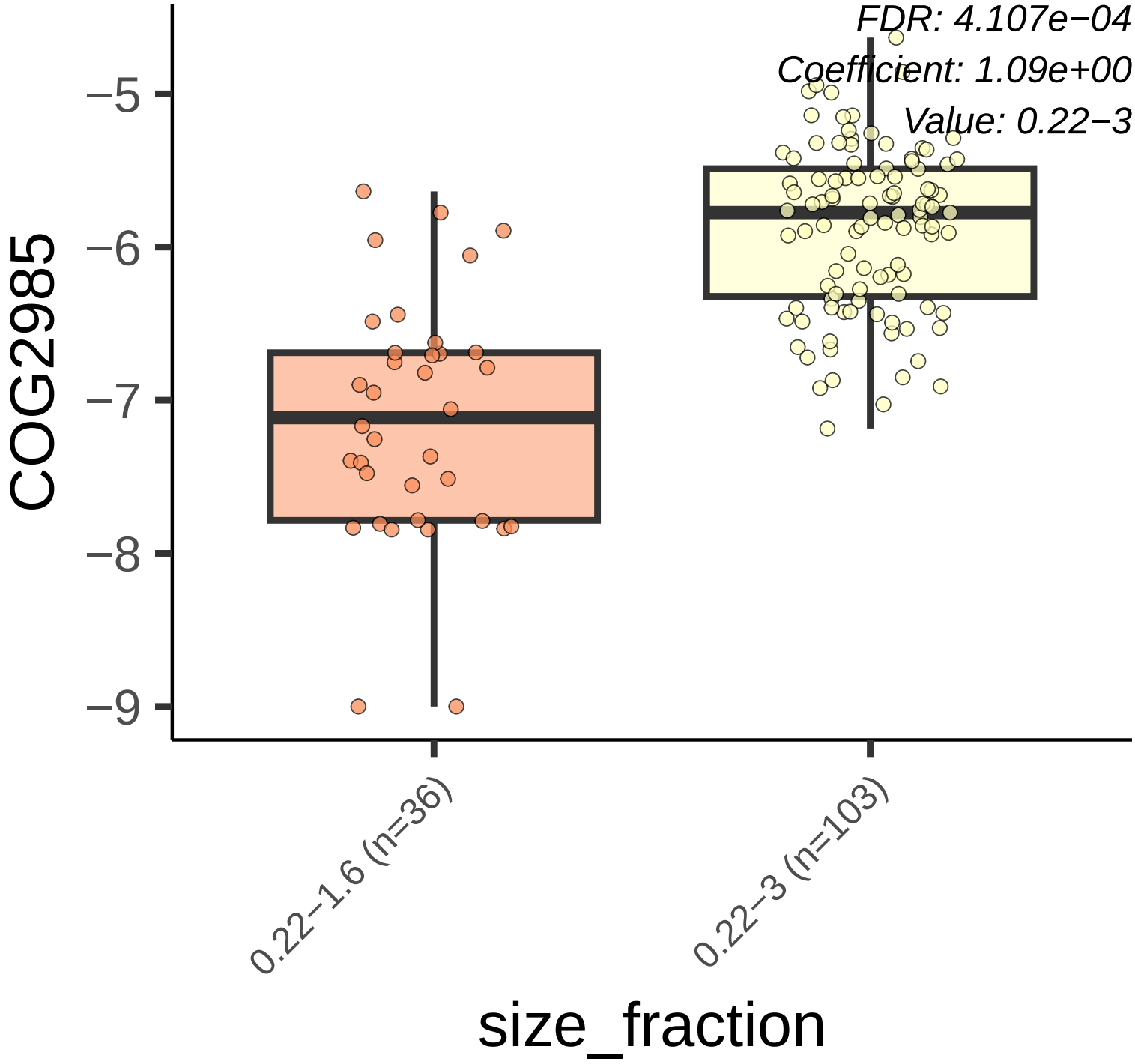

FDR: 3.417e−04
Coefficient: 2.02e+00
Value: 0.22−3
COG4762
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

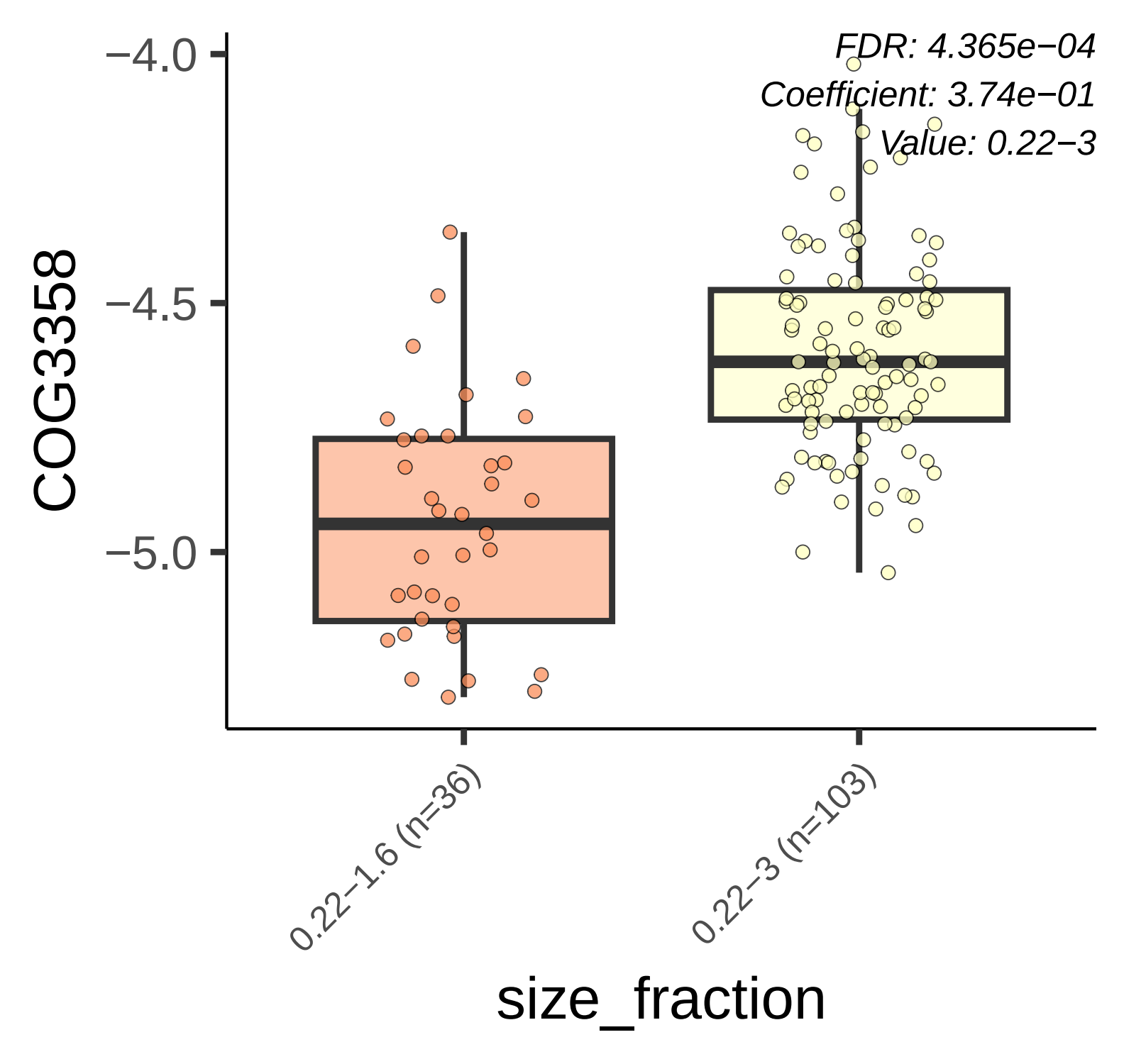

FDR: 3.490e−04
Coefficient: 2.68e−01
Value: 0.22−3
COG2866
−3.50
−3.75
−4.00
−4.25
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.878e−04
Coefficient: 1.91e+00
Value: 0.22−3
COG5015
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.889e−04
Coefficient: −1.10e−01
Value: 0.22−3
COG1666
−3.4
−3.5
−3.6
−3.7
−3.8
−3.9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.982e−04
Coefficient: 5.81e−01
Value: 0.22−3
COG1515
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.107e−04
Coefficient: 1.09e+00
Value: 0.22−3
COG2985
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.365e−04
Coefficient: 3.74e−01
Value: 0.22−3
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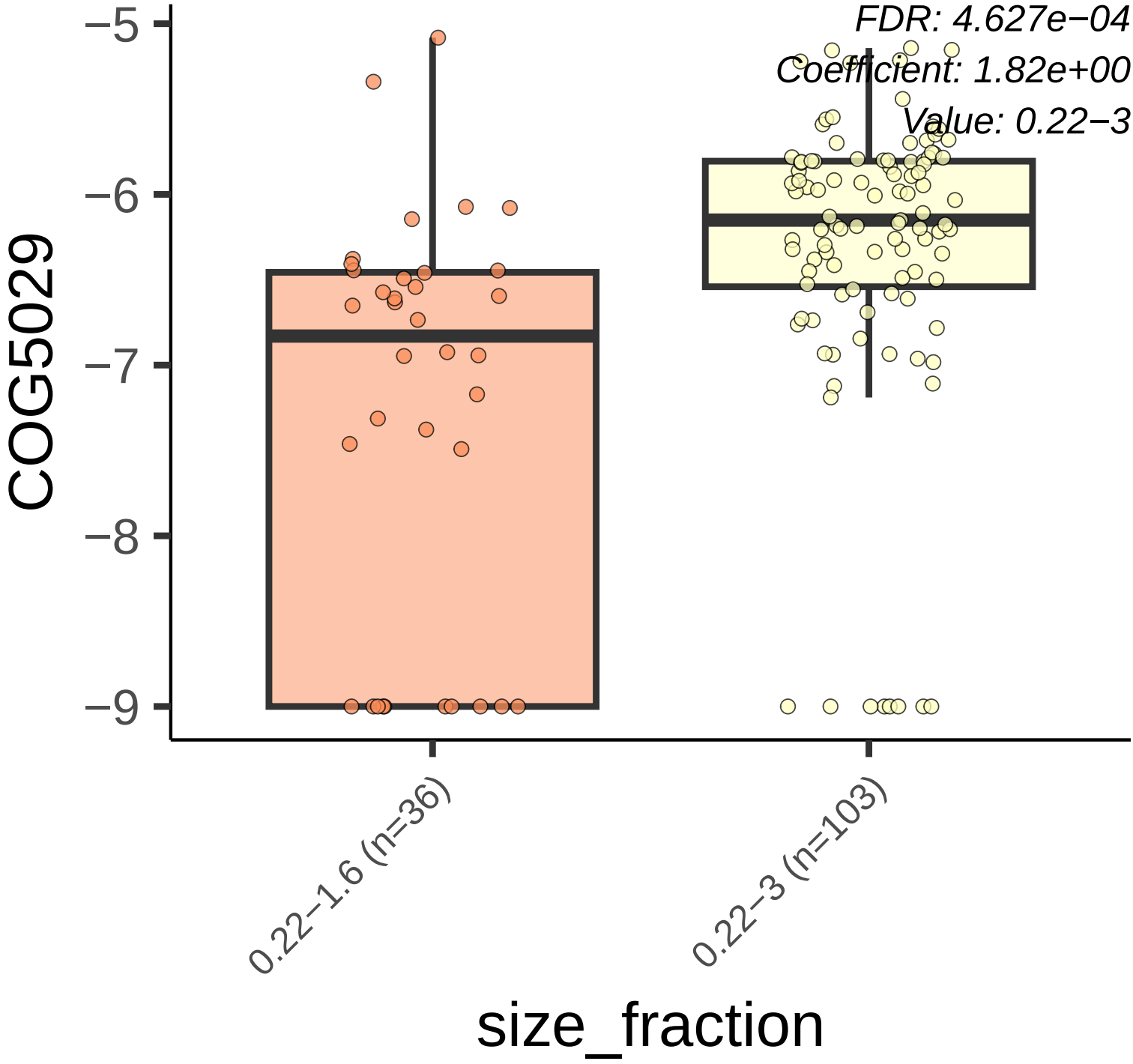
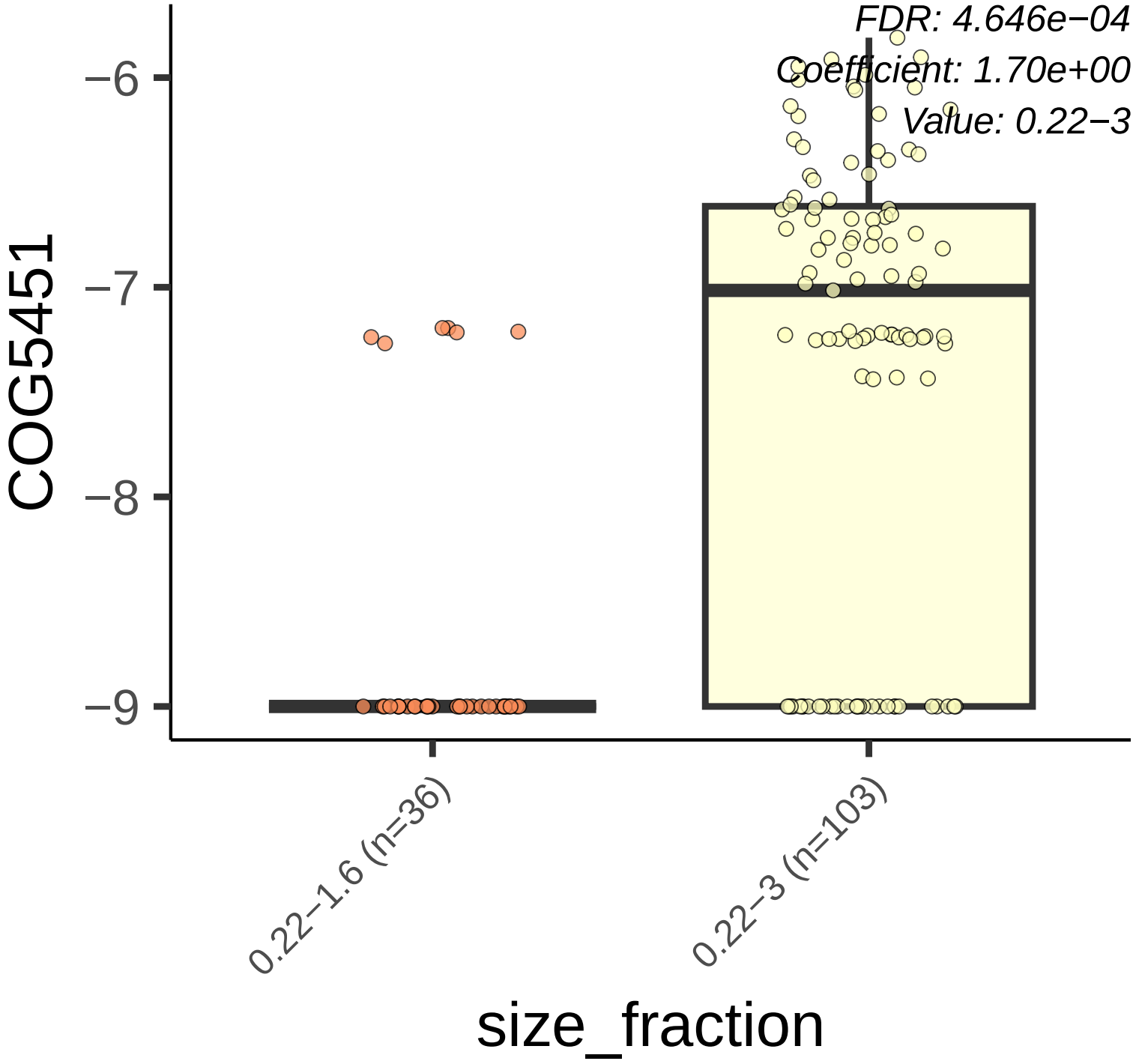
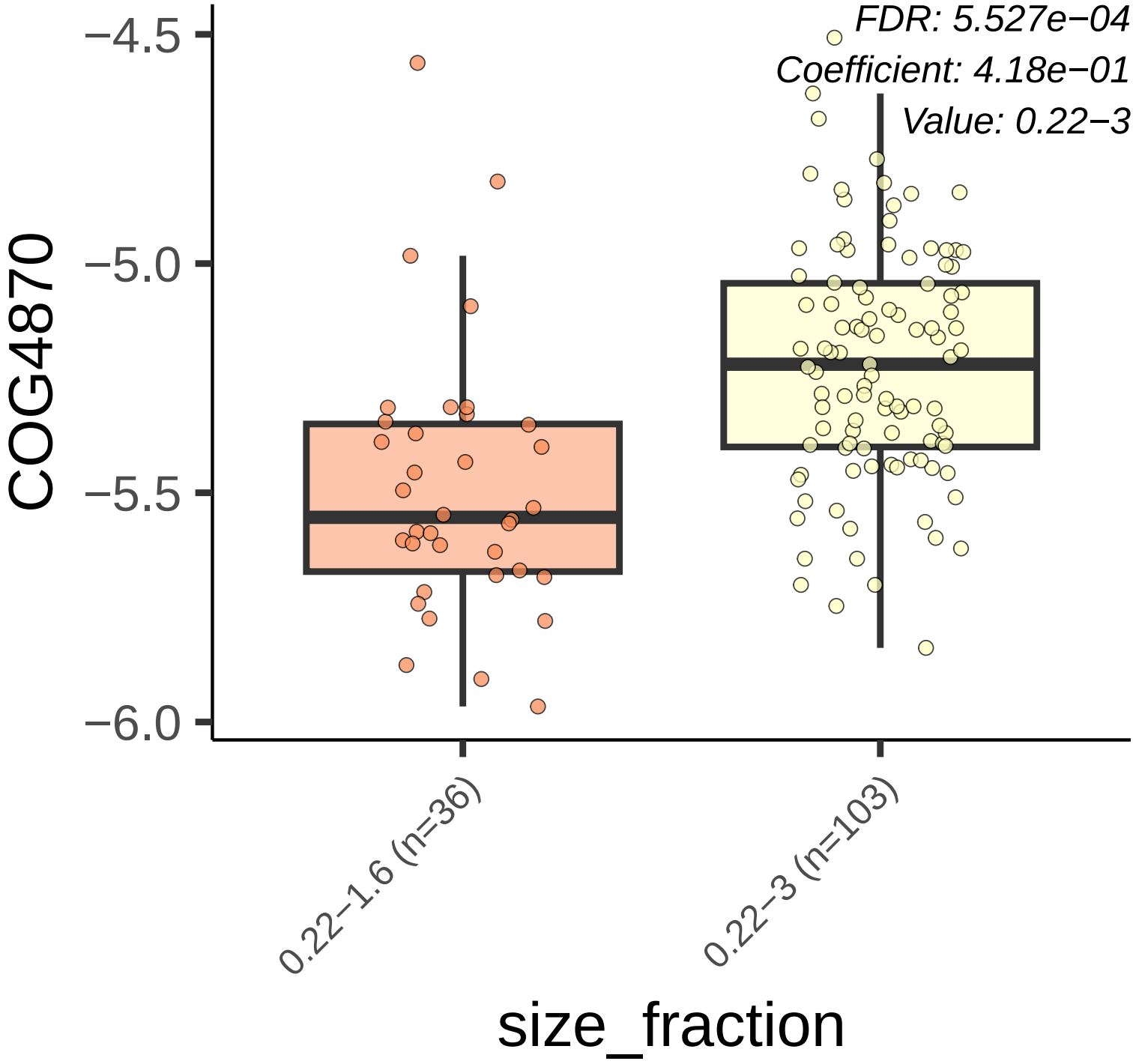
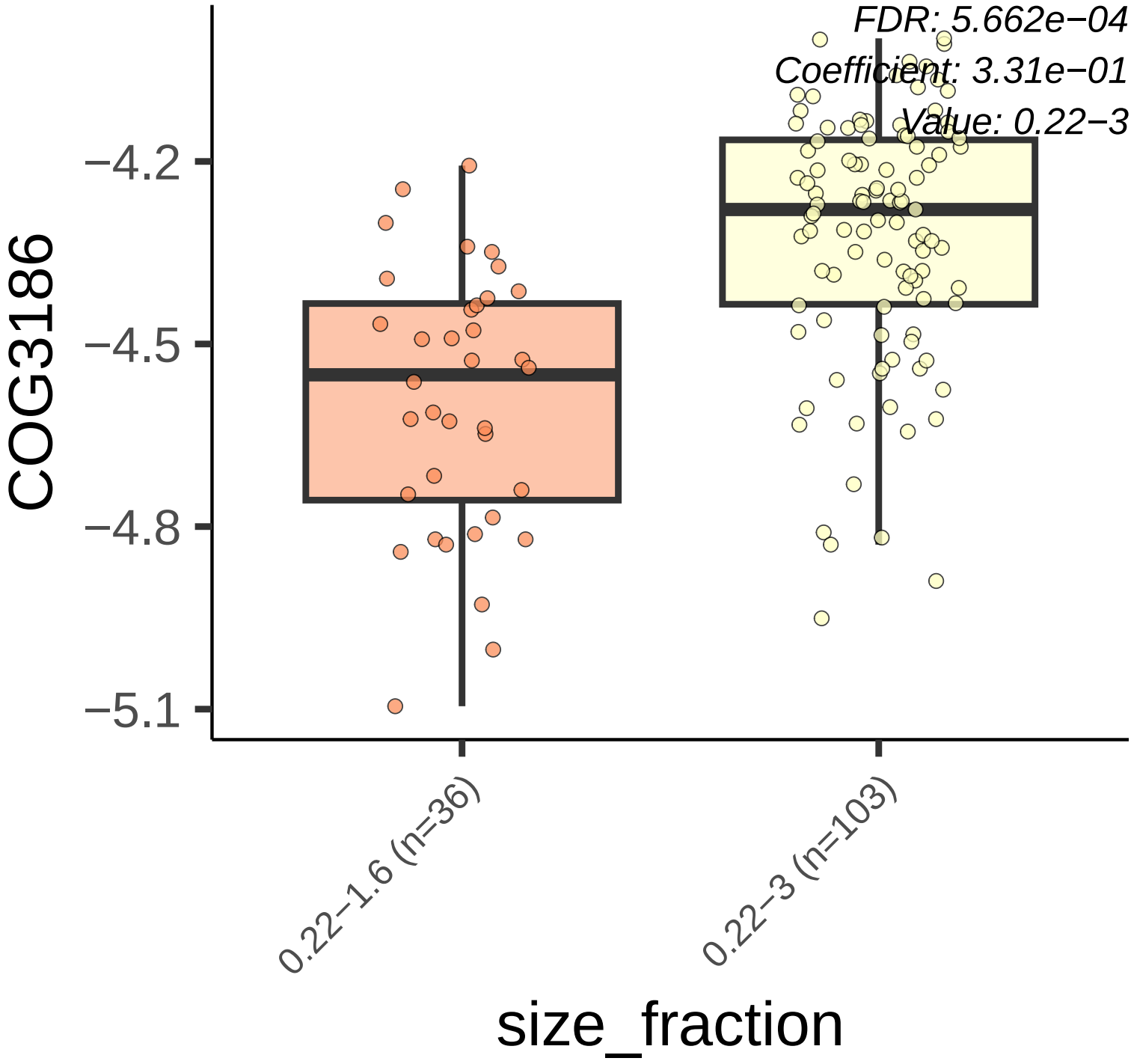
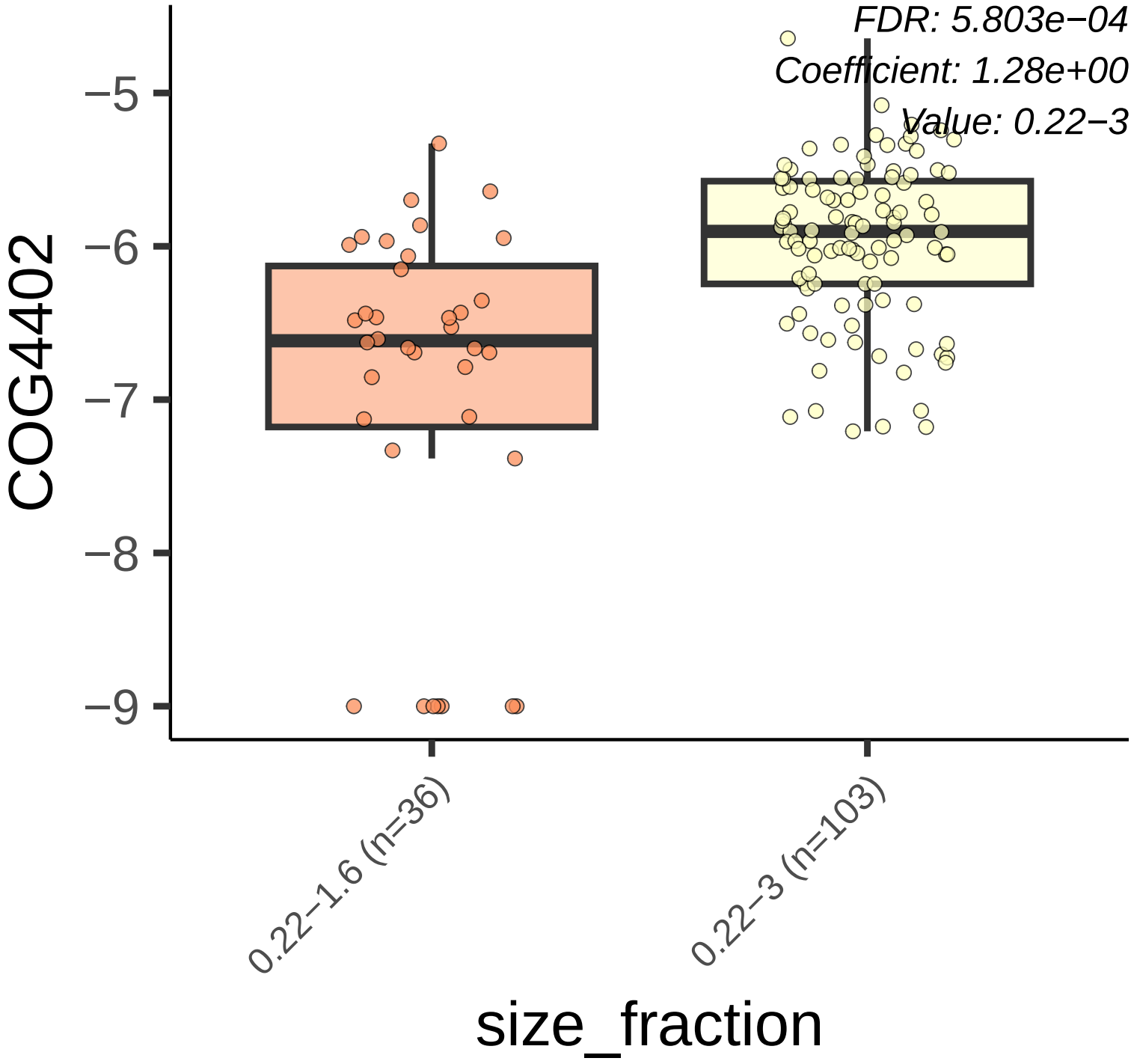
−4.5
−5.0
COG3358
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

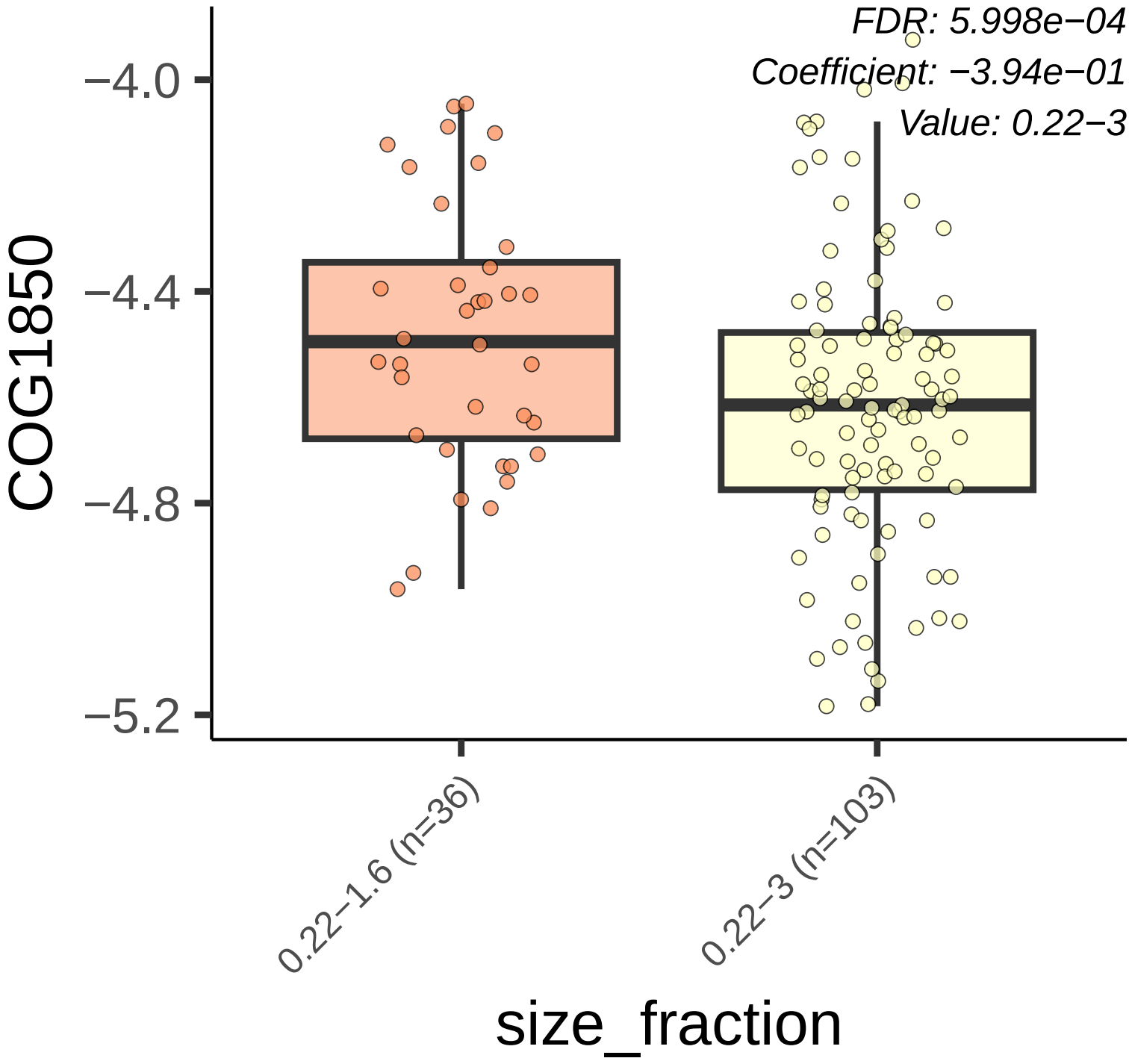

FDR: 4.627e−04
Coefficient: 1.82e+00
Value: 0.22−3
COG5029
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

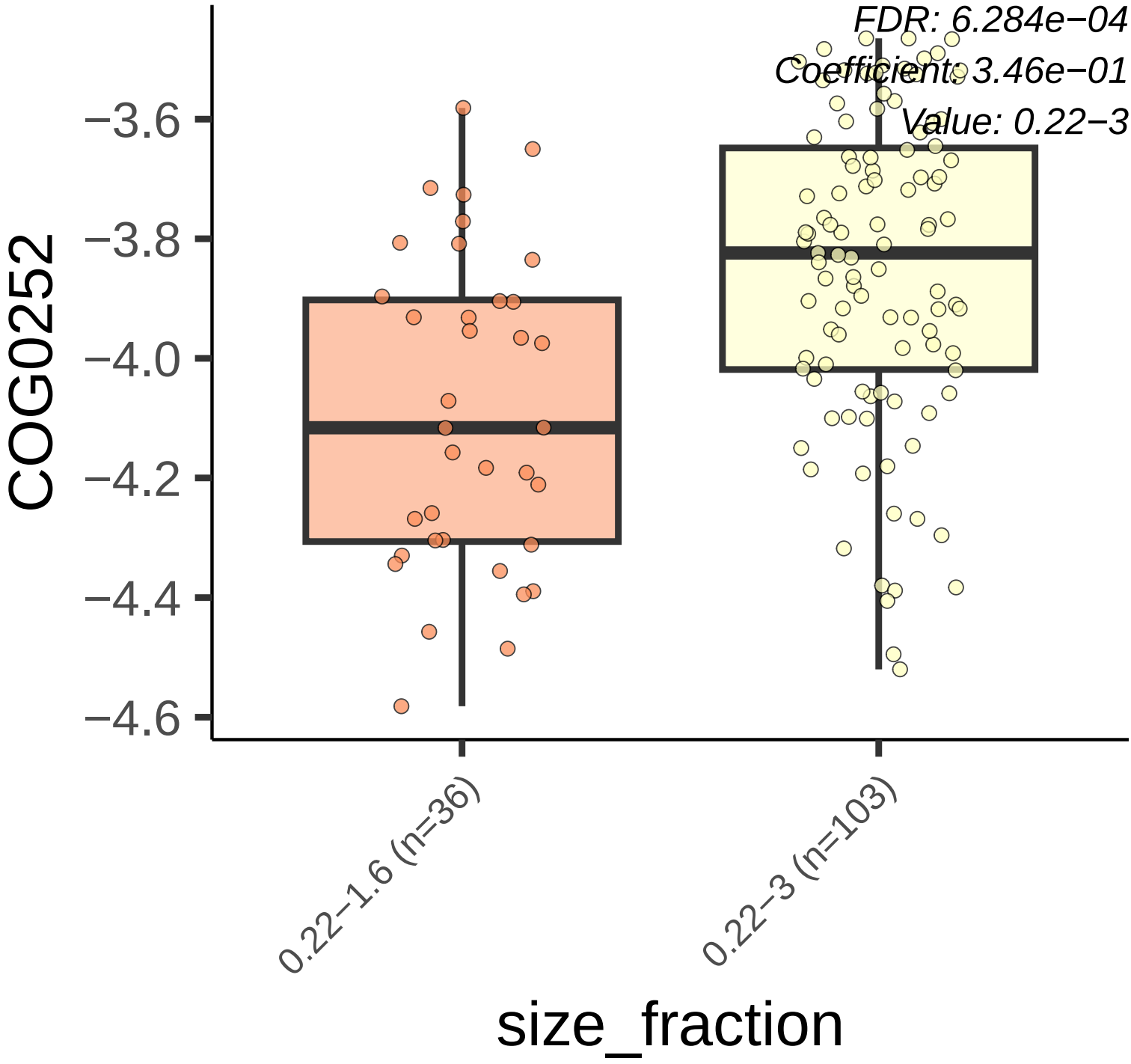

FDR: 4.646e−04
Coefficient: 1.70e+00
Value: 0.22−3
COG5451
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

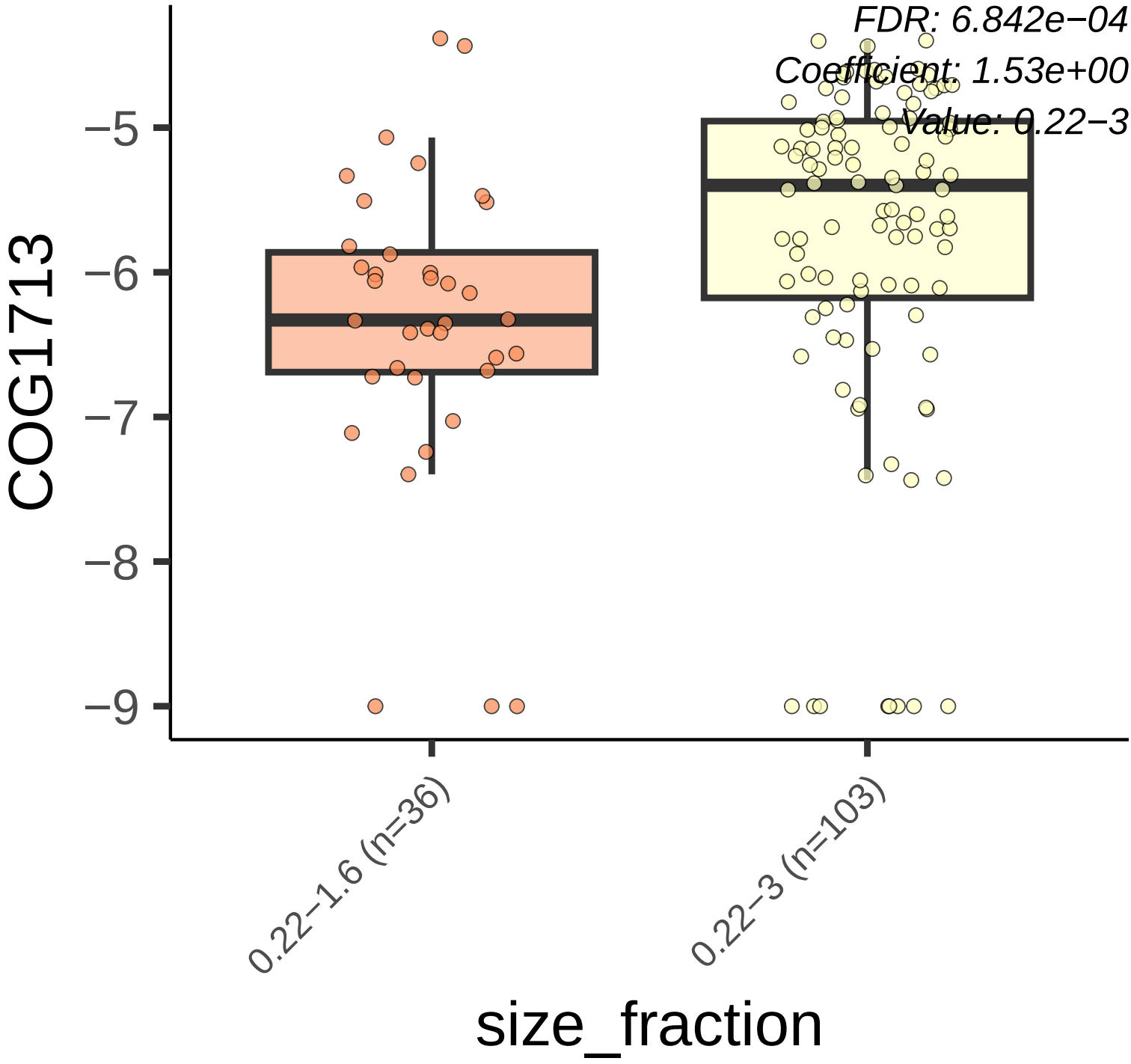

FDR: 5.527e−04
Coefficient: 4.18e−01
Value: 0.22−3
−4.5
−5.0
−5.5
−6.0
COG4870
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

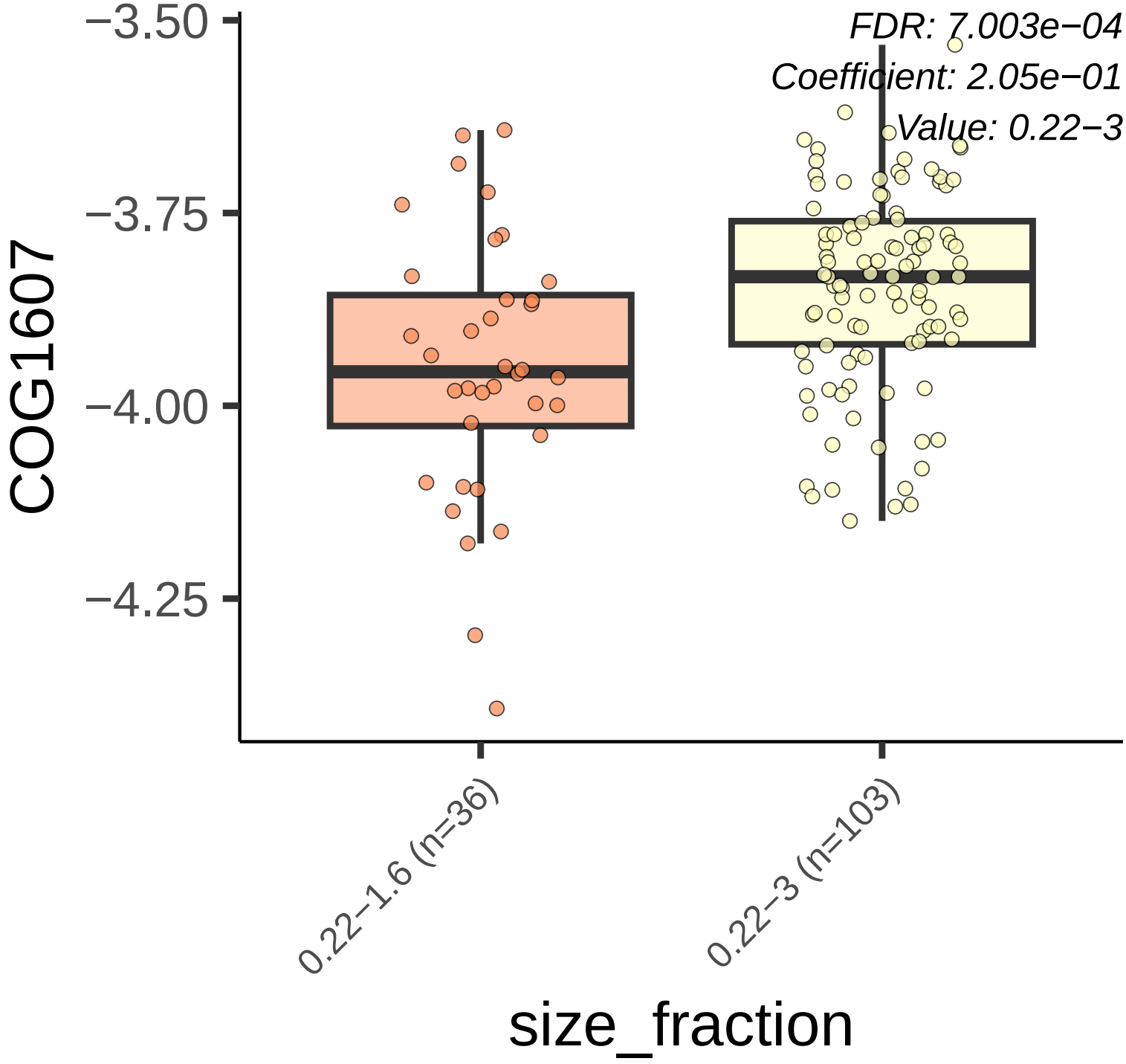

FDR: 5.662e−04
Coefficient: 3.31e−01
Value: 0.22−3
COG3186
−4.2
−4.5
−4.8
−5.1
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 5.803e−04
Coefficient: 1.28e+00
Value: 0.22−3
COG4402
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 5.998e−04
Coefficient: −3.94e−01
Value: 0.22−3
COG1850
−4.0
−4.4
−4.8
−5.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 6.284e−04
Coefficient: 3.46e−01
Value: 0.22−3
COG0252
−3.6
−3.8
−4.0
−4.2
−4.4
−4.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 6.842e−04
Coefficient: 1.53e+00
Value: 0.22−3
COG1713
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 7.003e−04
Coefficient: 2.05e−01
Value: 0.22−3
−3.50
−3.75
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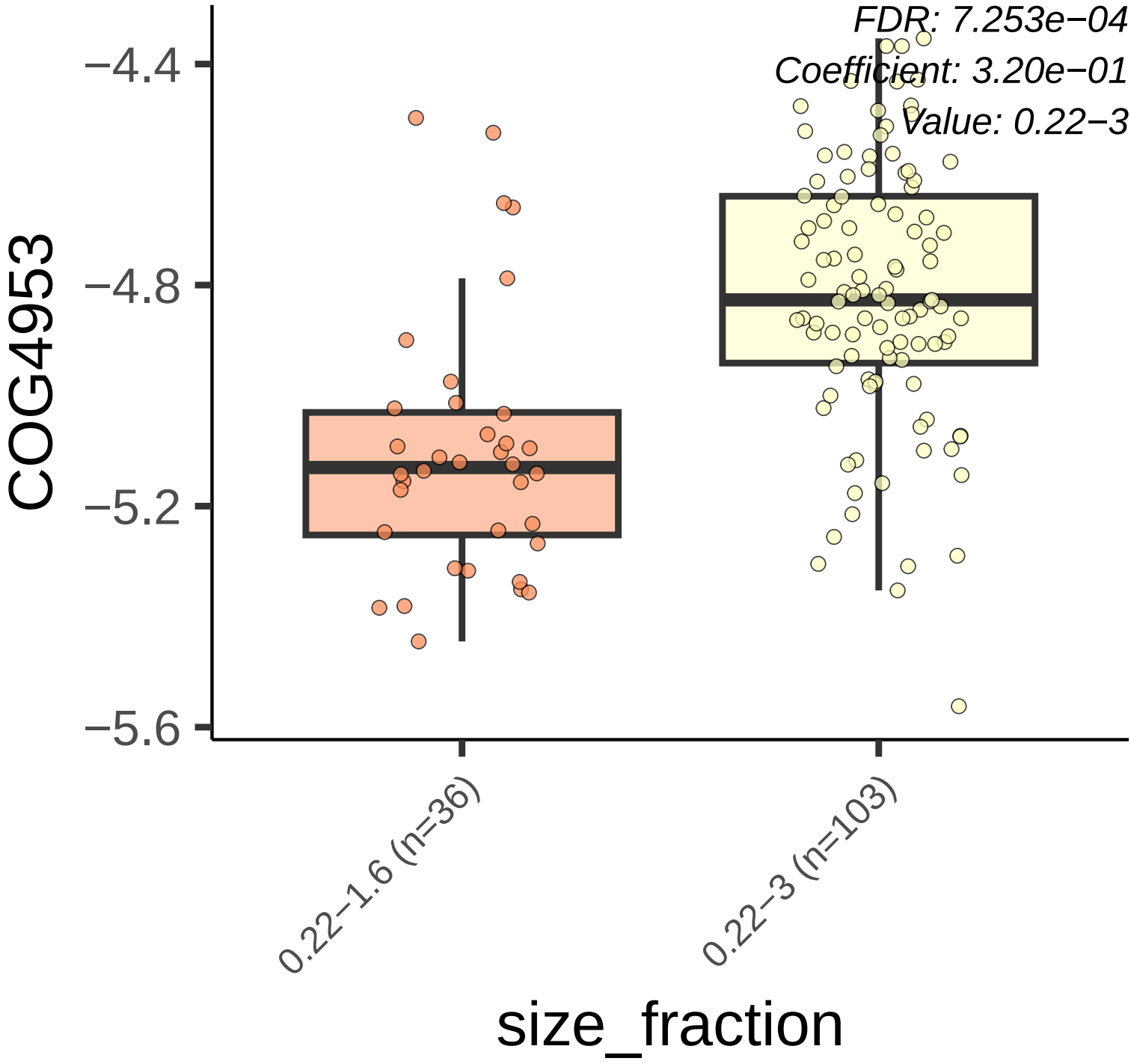
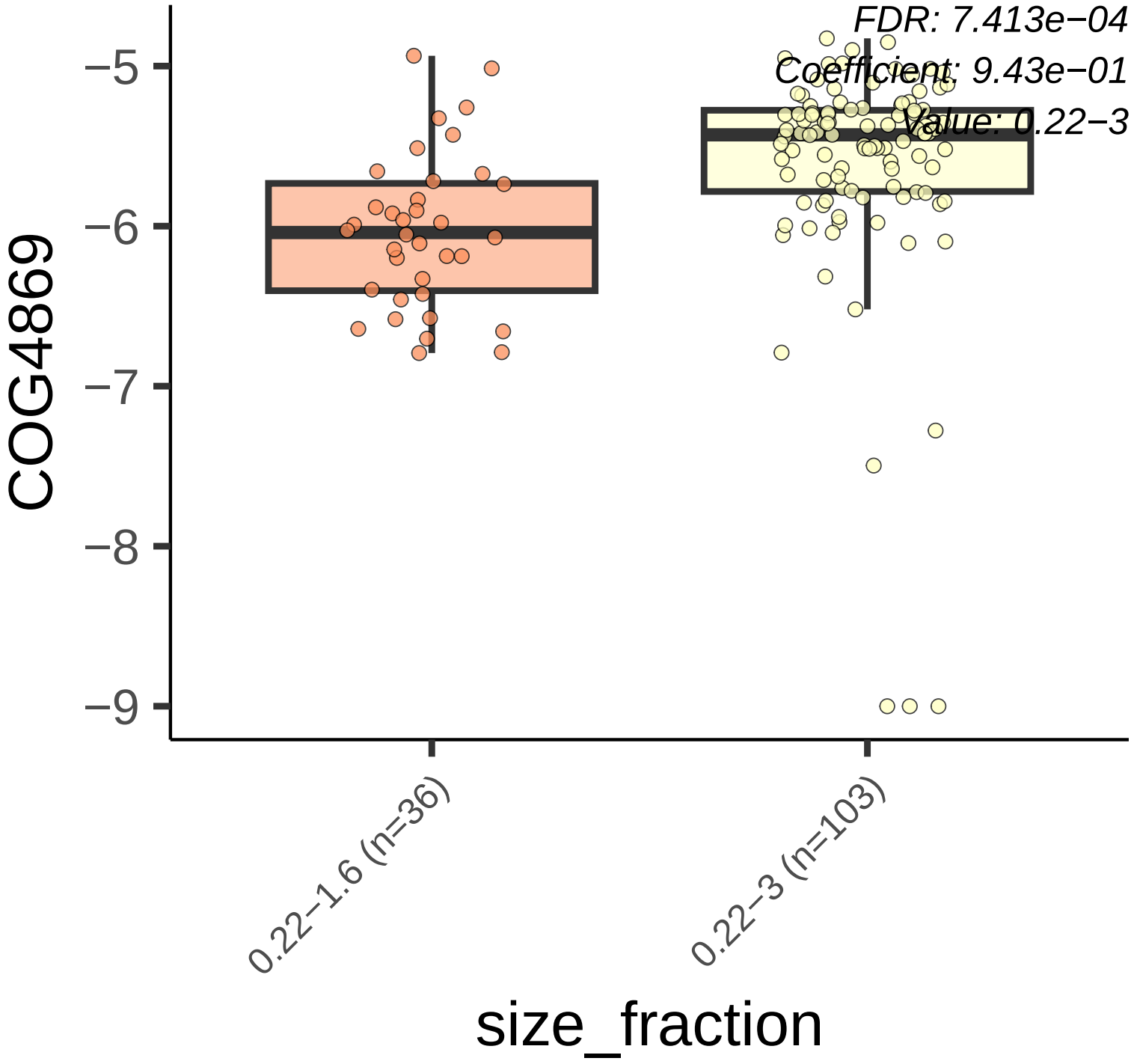
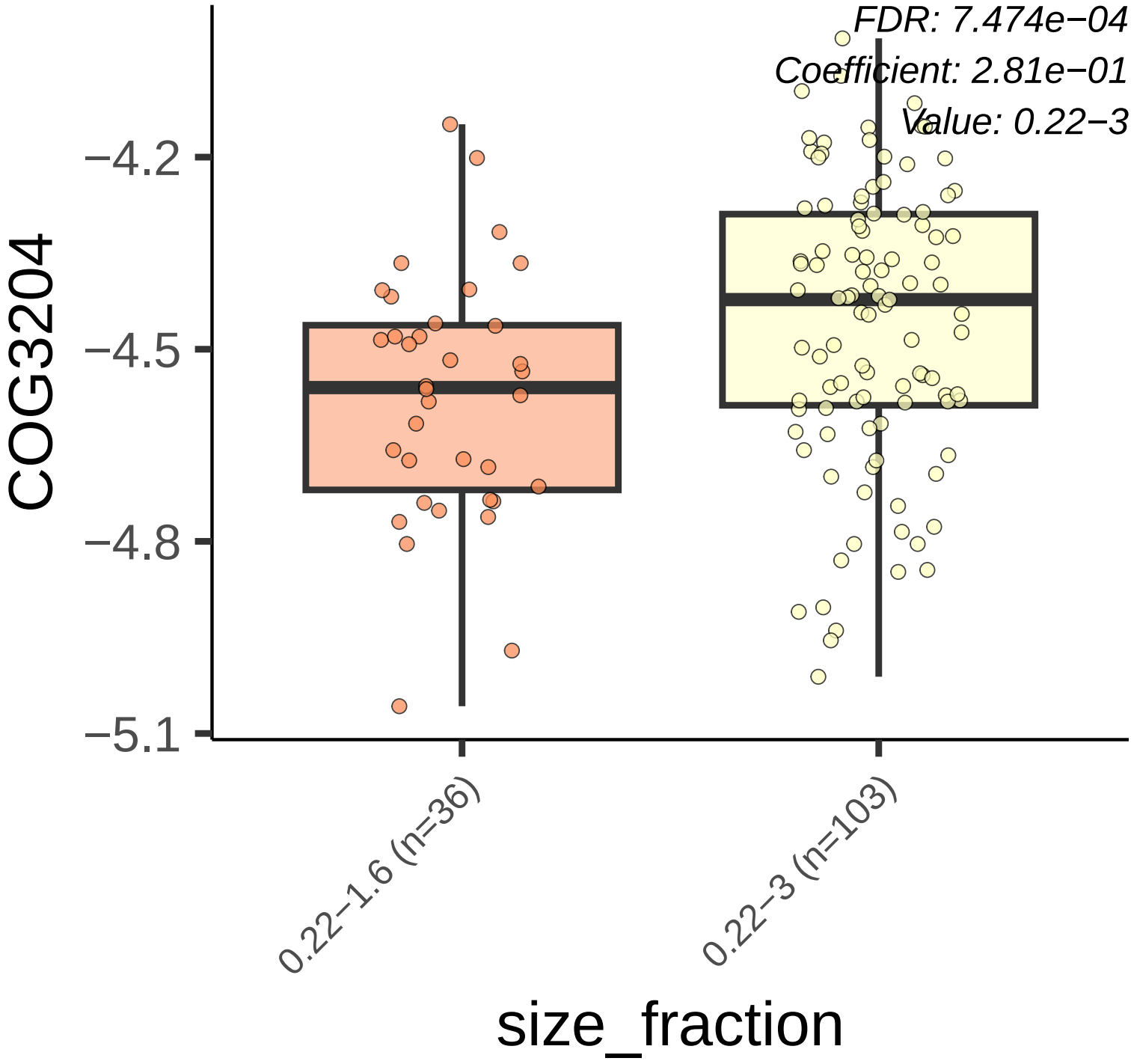
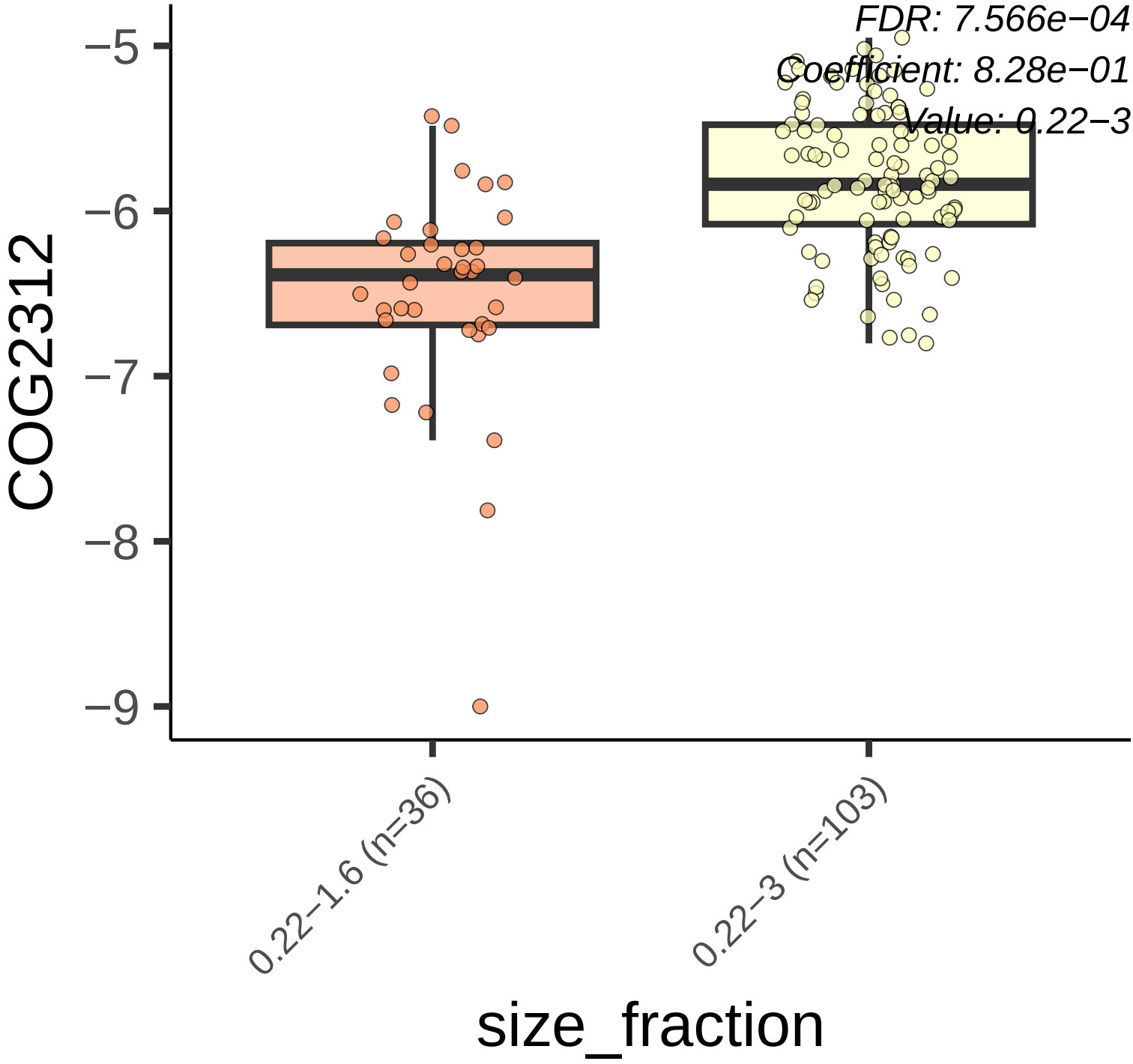
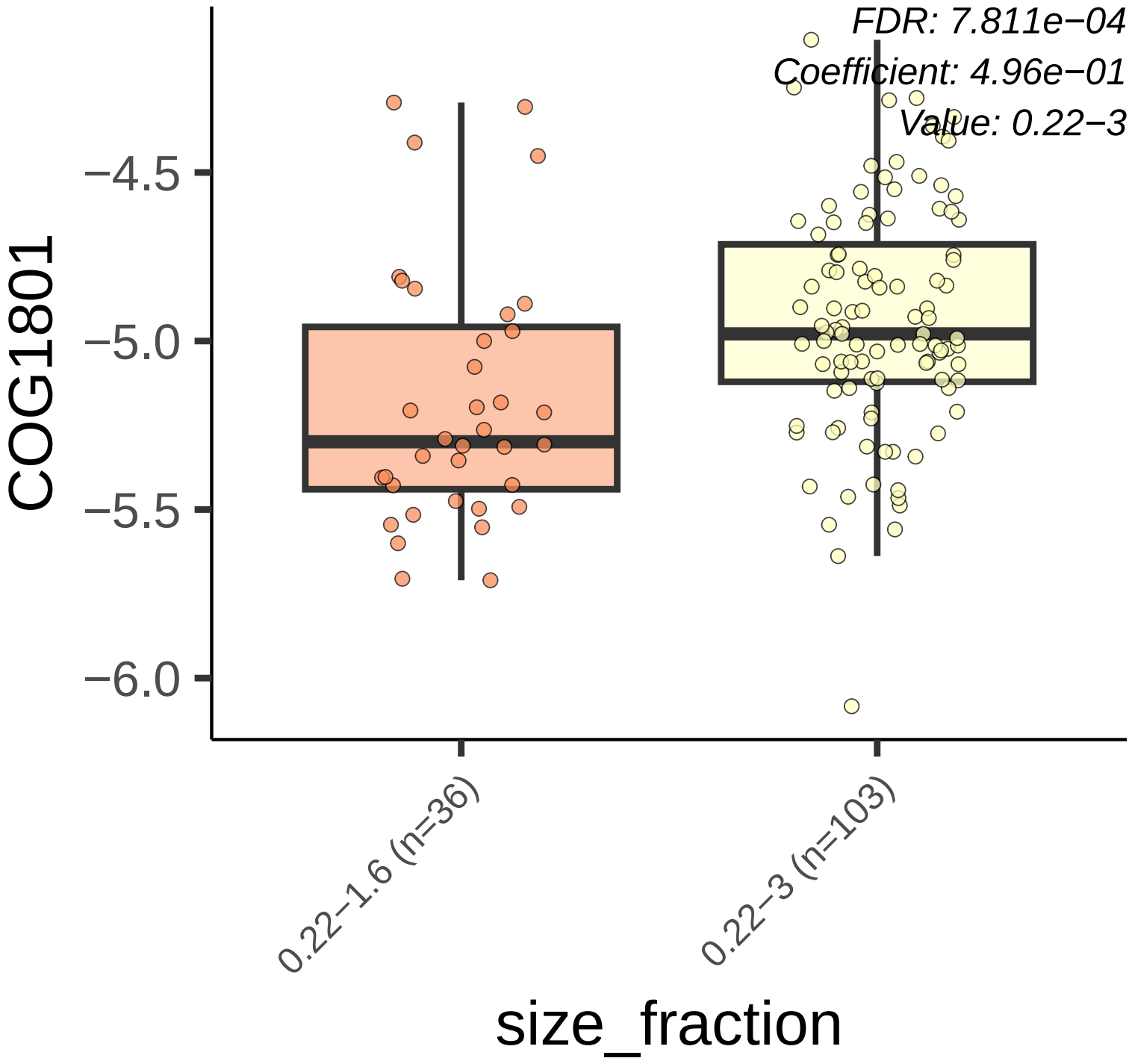
COG1607
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

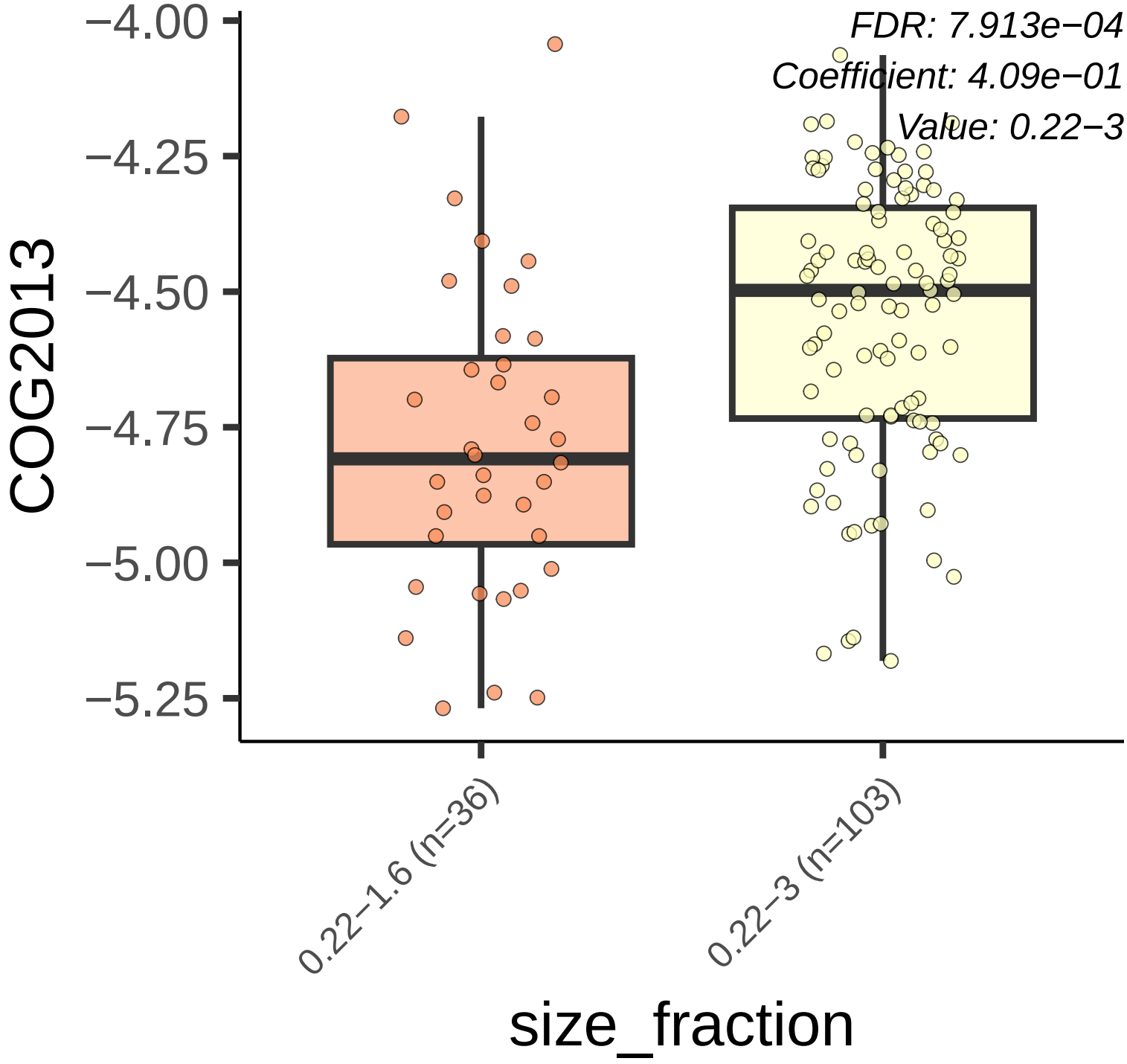

FDR: 7.253e−04
Coefficient: 3.20e−01
Value: 0.22−3
COG4953
−4.4
−4.8
−5.2
−5.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

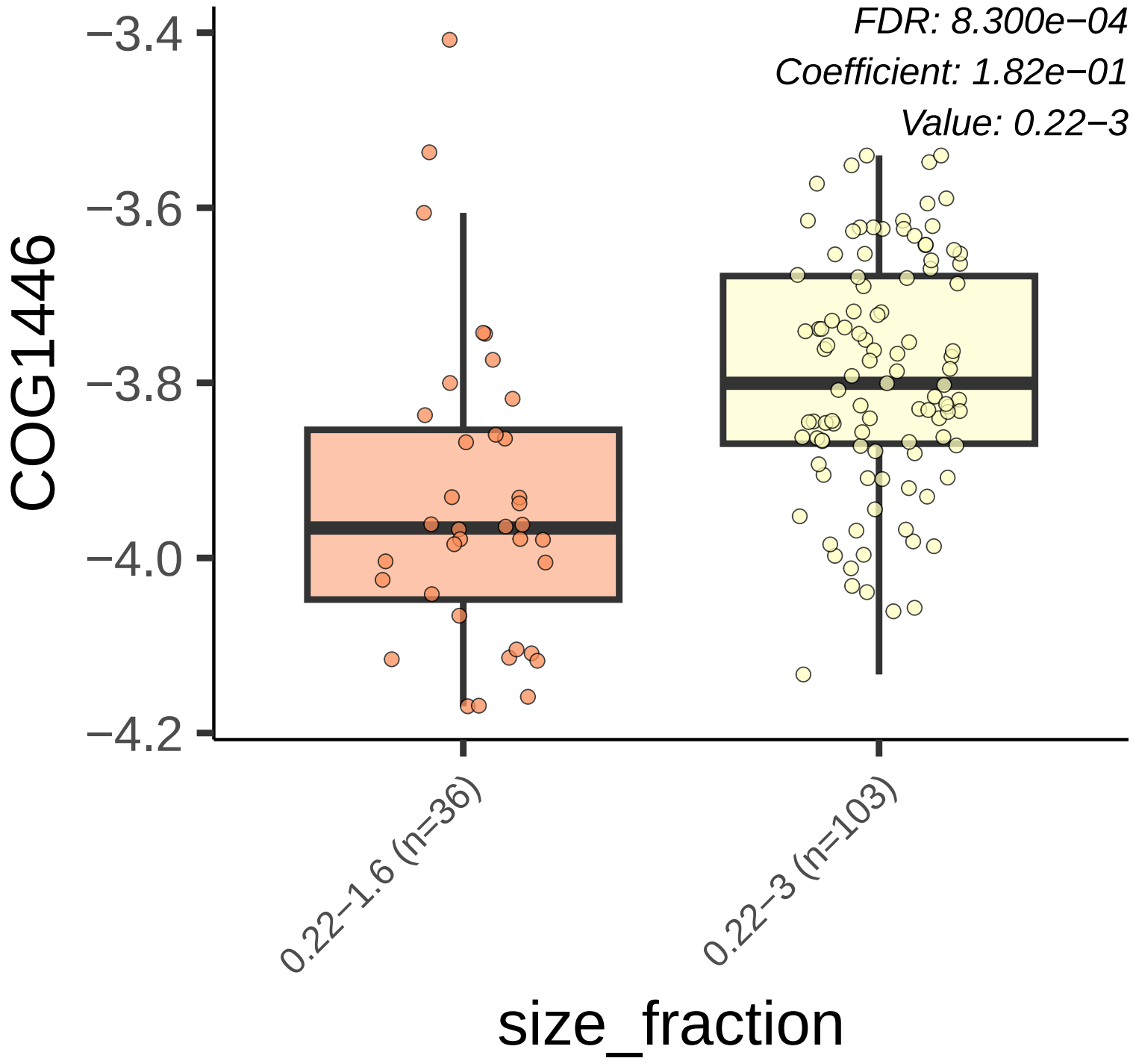

FDR: 7.413e−04
Coefficient: 9.43e−01
Value: 0.22−3
COG4869
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

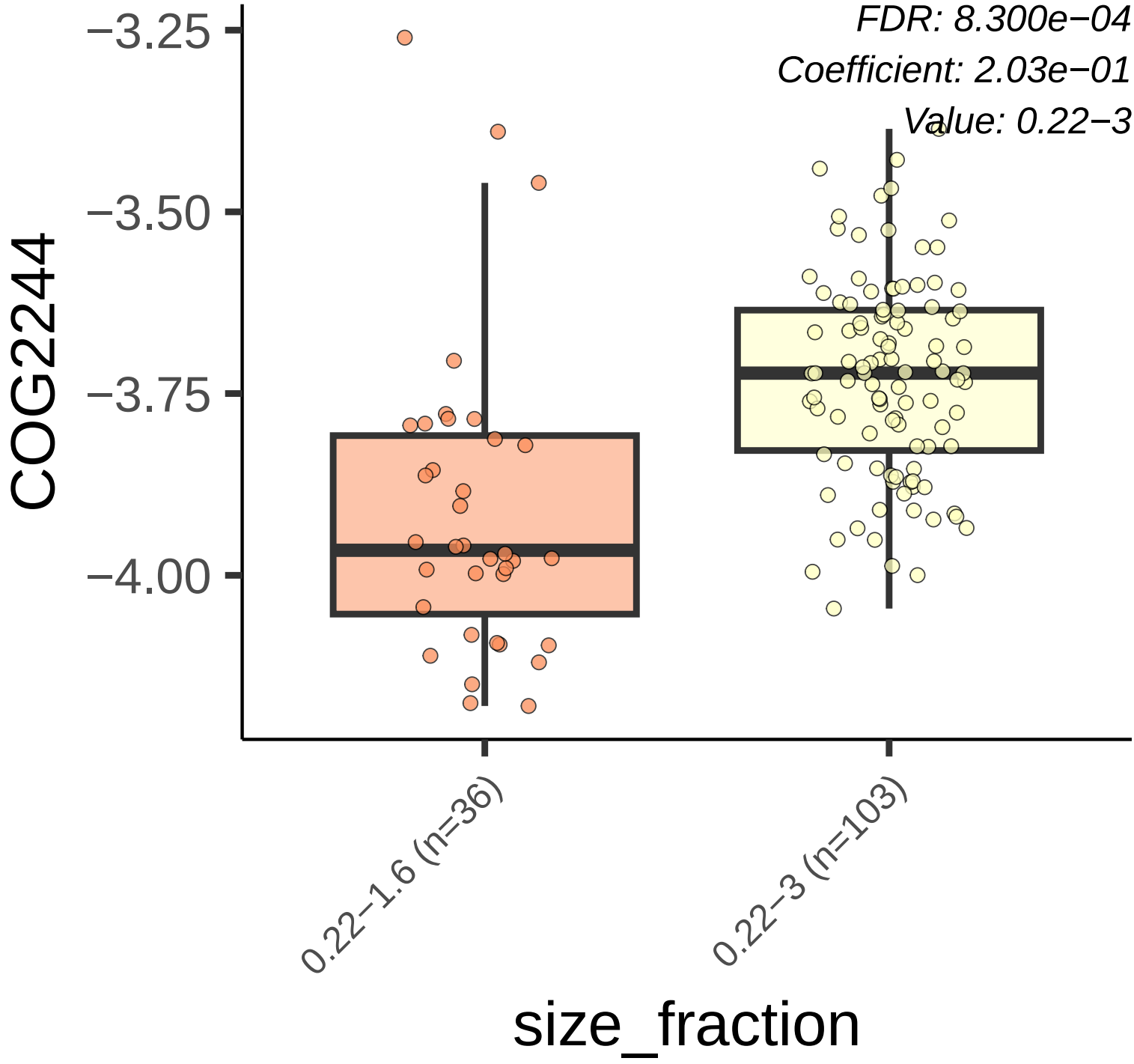

FDR: 7.474e−04
Coefficient: 2.81e−01
Value: 0.22−3
COG3204
−4.2
−4.5
−4.8
−5.1
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

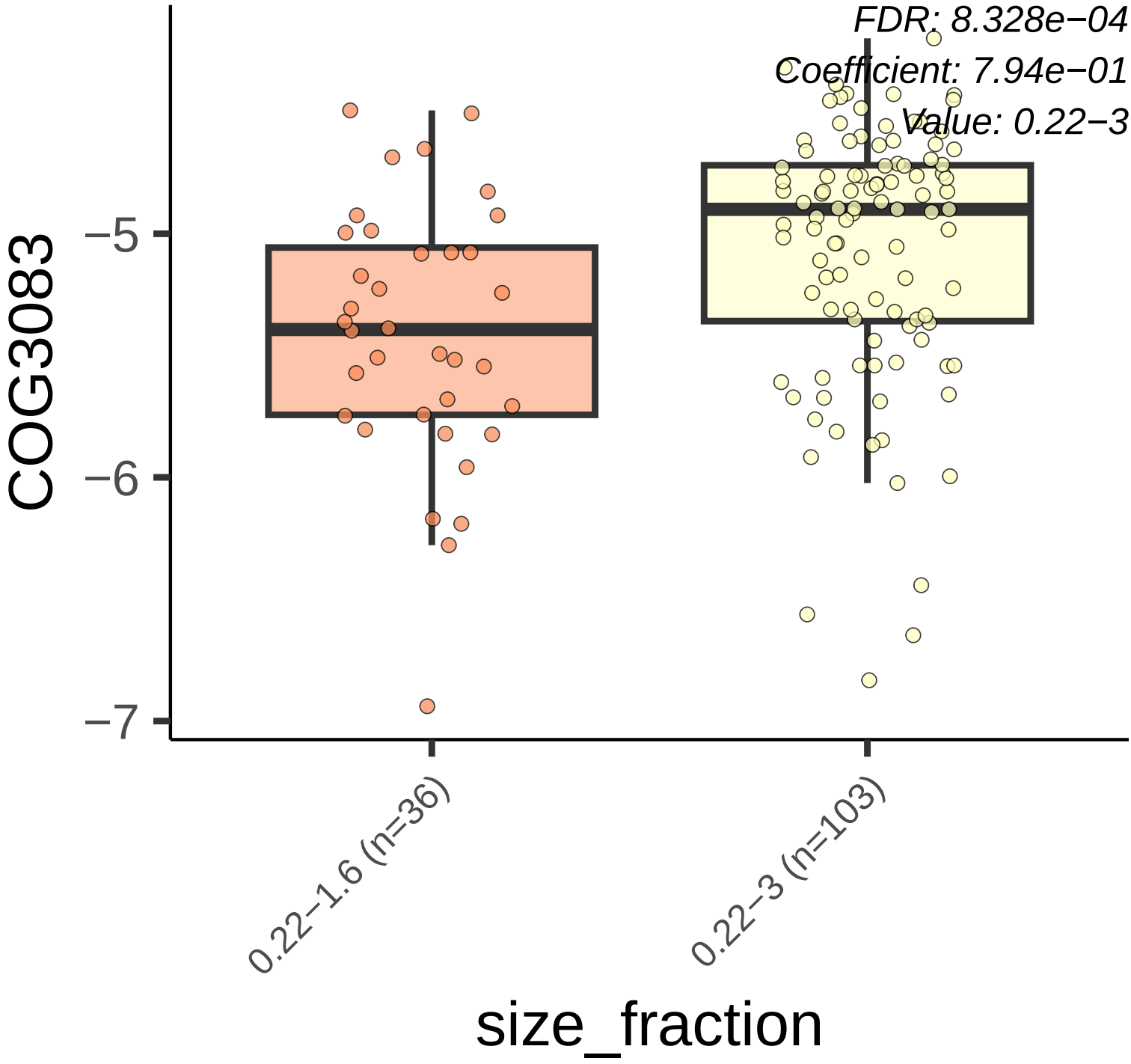

FDR: 7.566e−04
Coefficient: 8.28e−01
Value: 0.22−3
COG2312
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

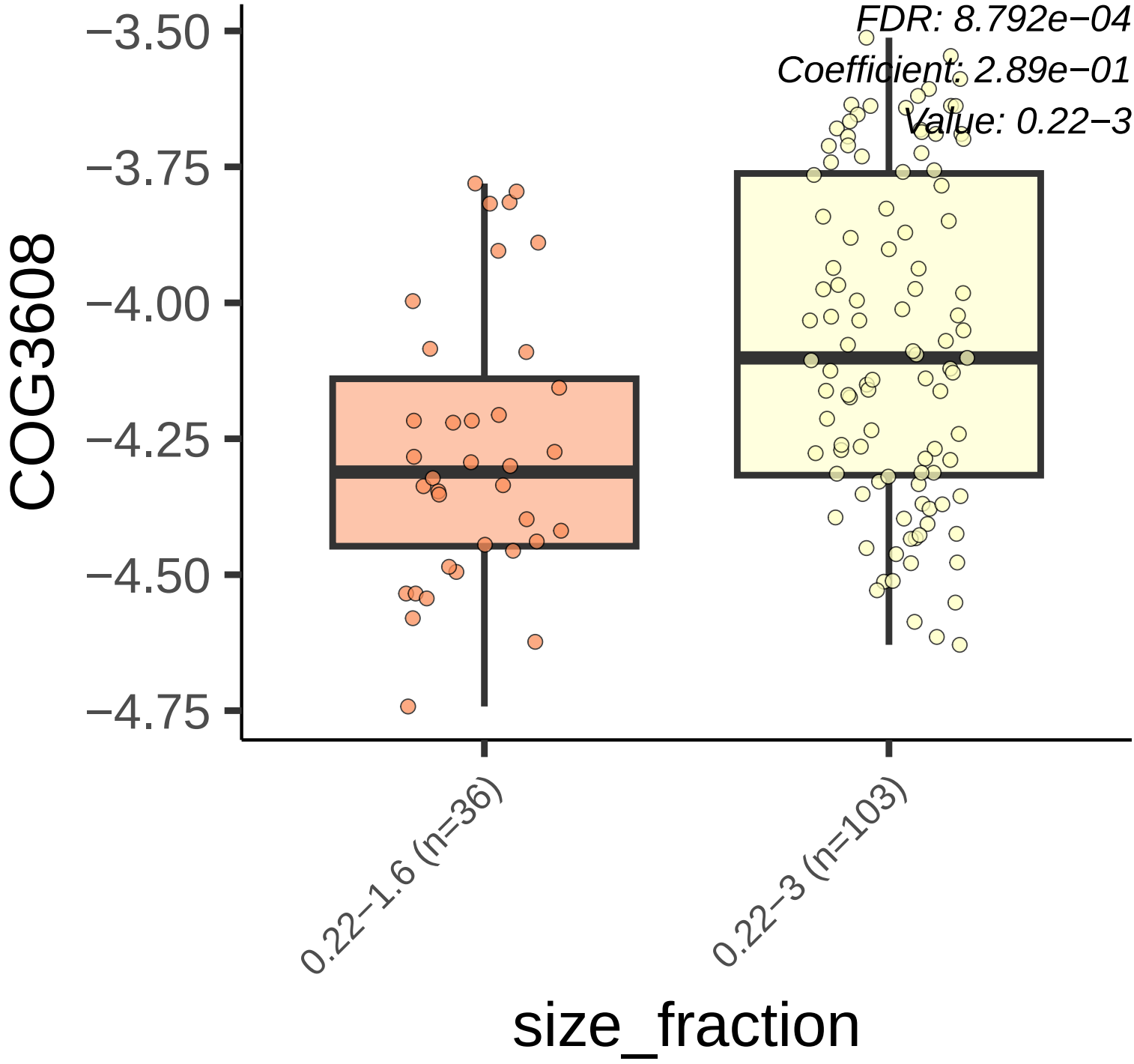

FDR: 7.811e−04
Coefficient: 4.96e−01
Value: 0.22−3
COG1801
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

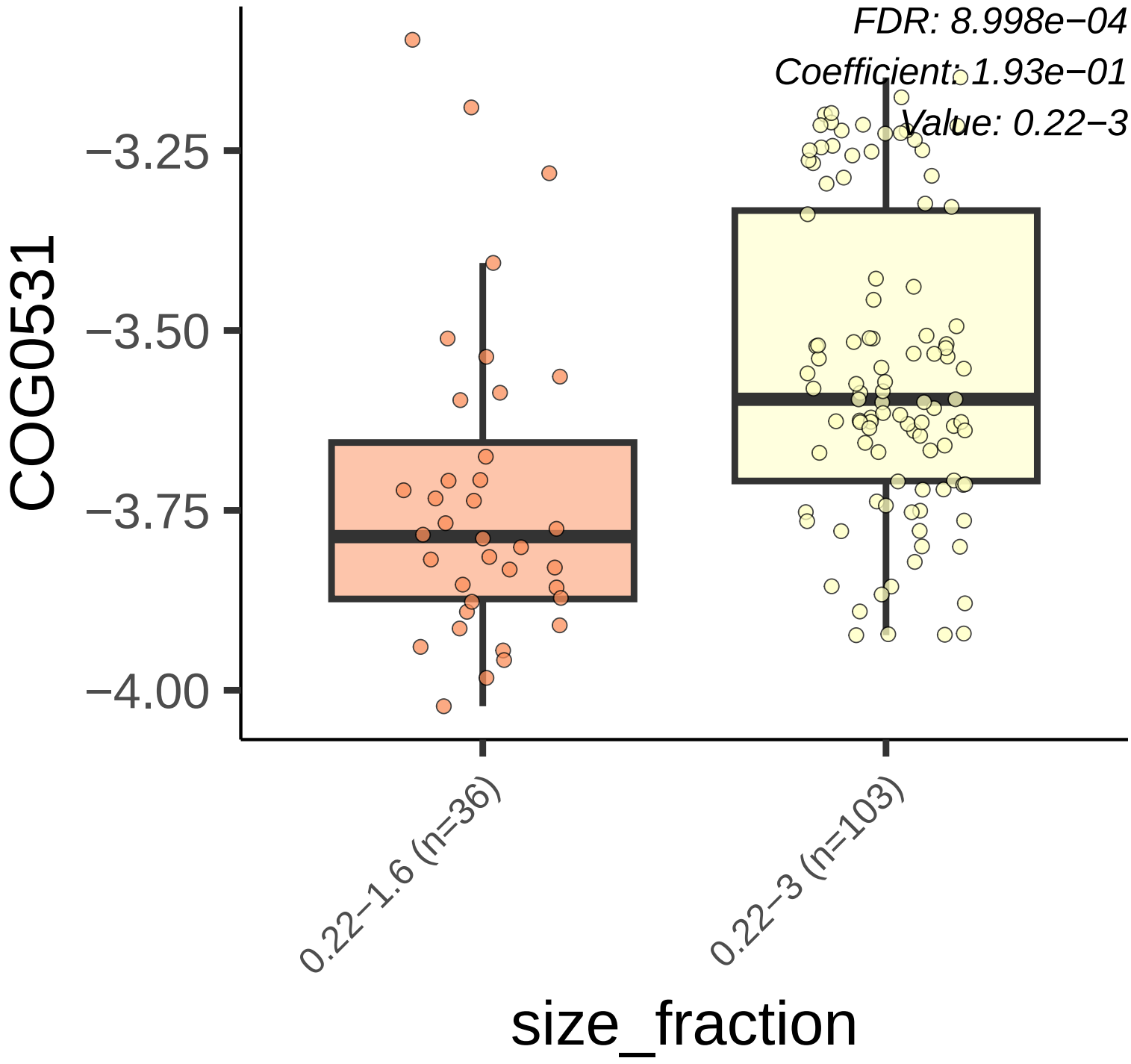

FDR: 7.913e−04
Coefficient: 4.09e−01
Value: 0.22−3
COG2013
−4.00
−4.25
−4.50
−4.75
−5.00
−5.25
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

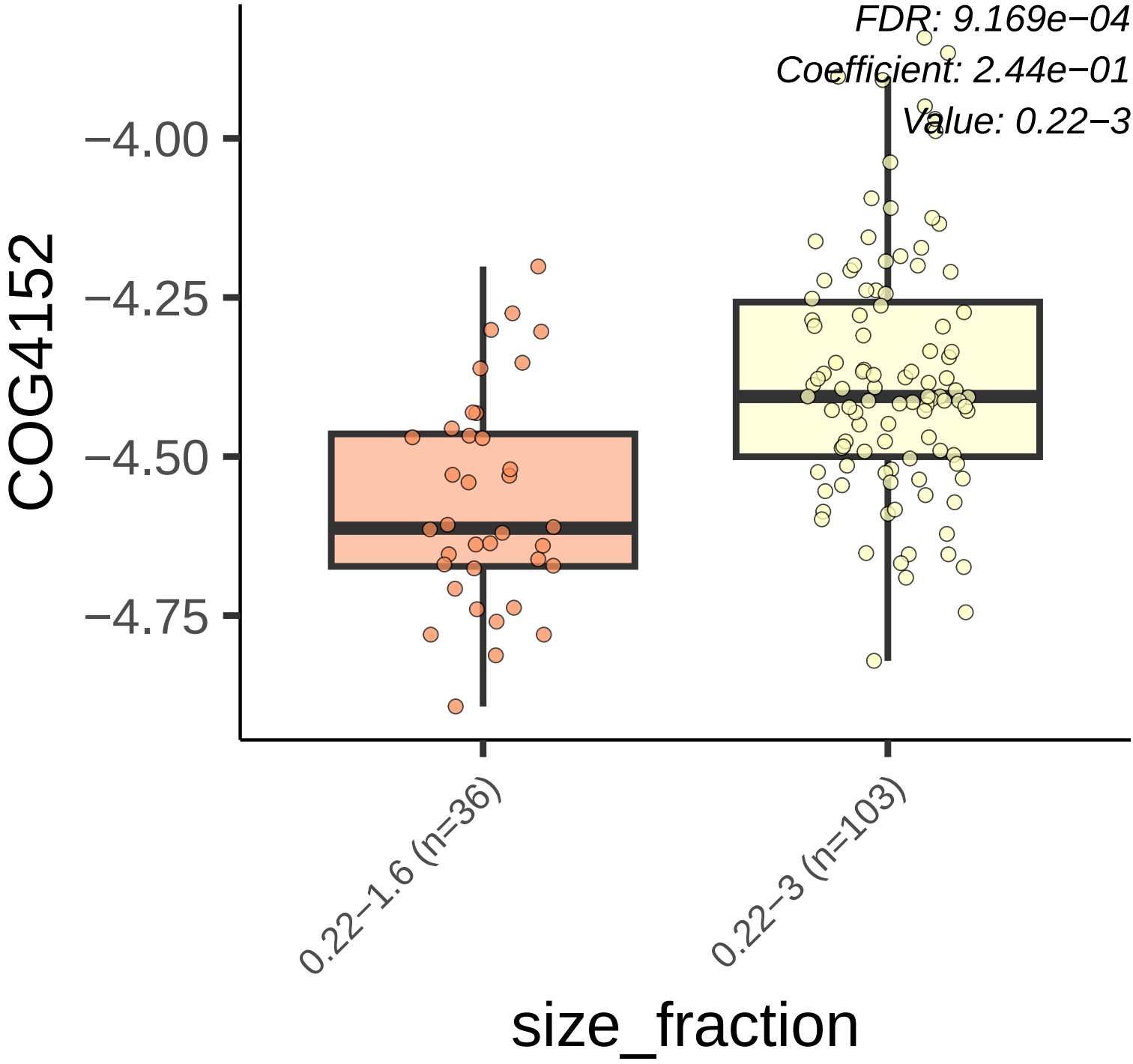

FDR: 8.300e−04
Coefficient: 1.82e−01
Value: 0.22−3
COG1446
−3.4
−3.6
−3.8
−4.0
−4.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

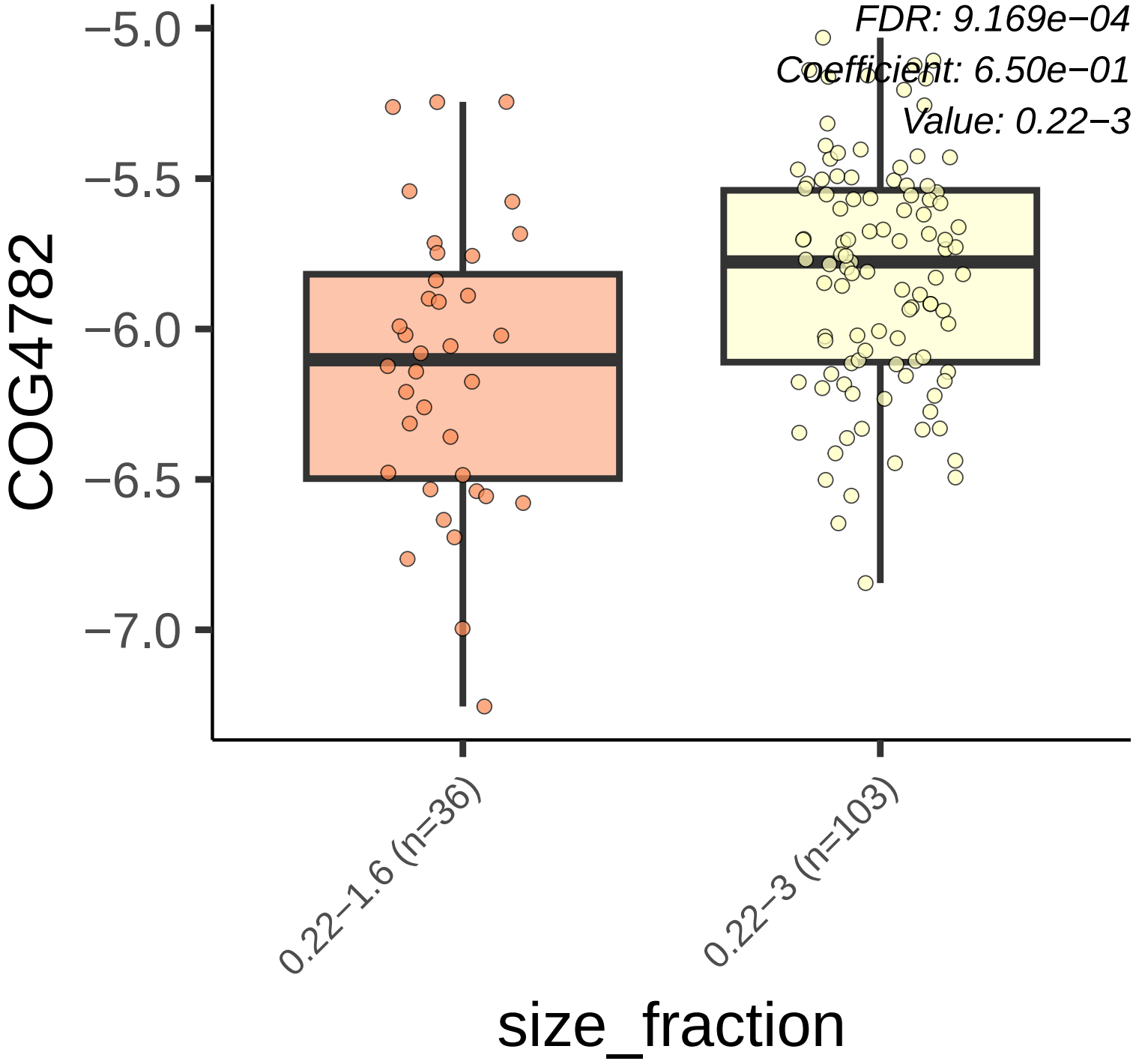

FDR: 8.300e−04
Coefficient: 2.03e−01
Value: 0.22−3
COG2244
−3.25
−3.50
−3.75
−4.00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

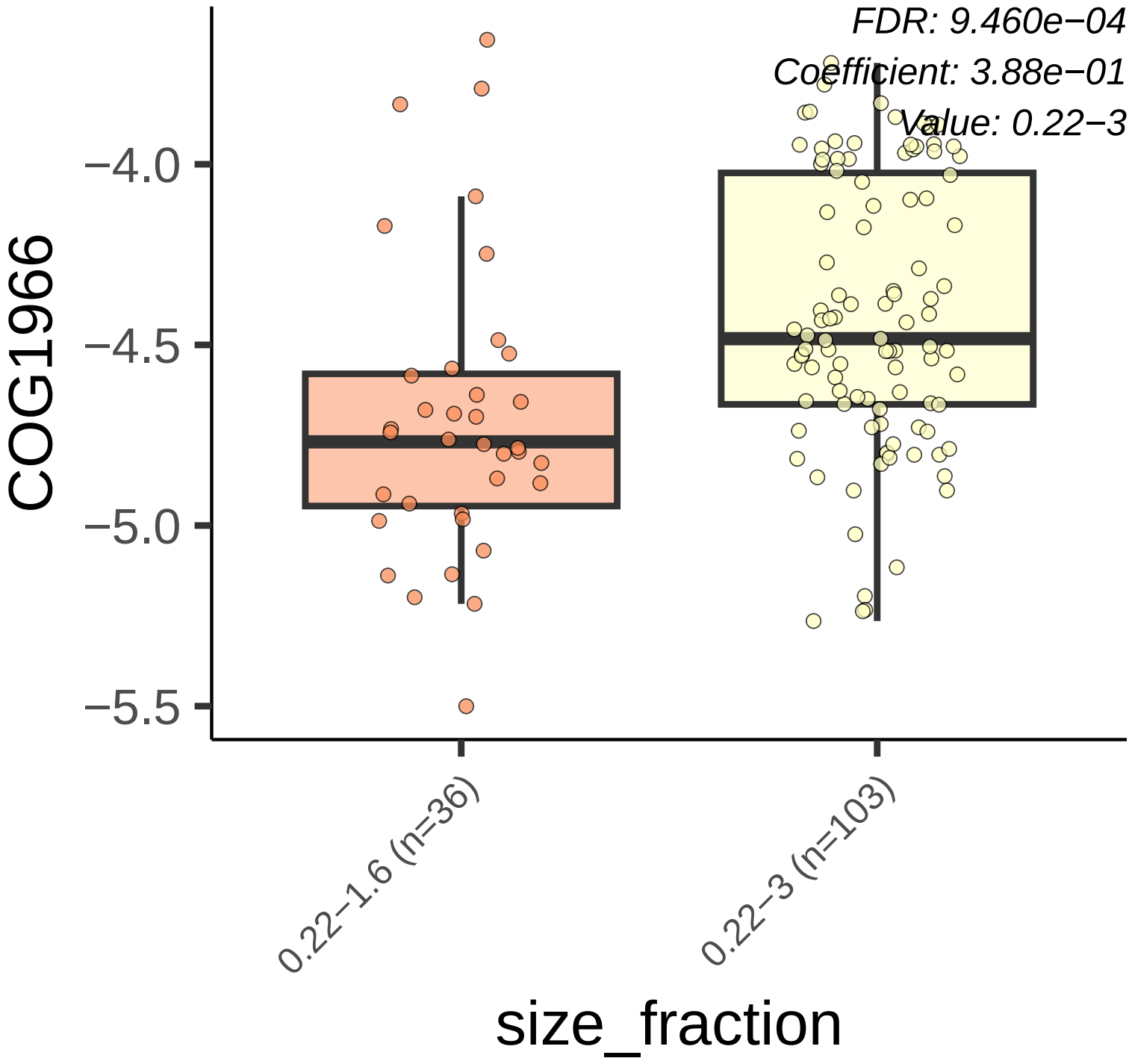

FDR: 8.328e−04
Coefficient: 7.94e−01
Value: 0.22−3
COG3083
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

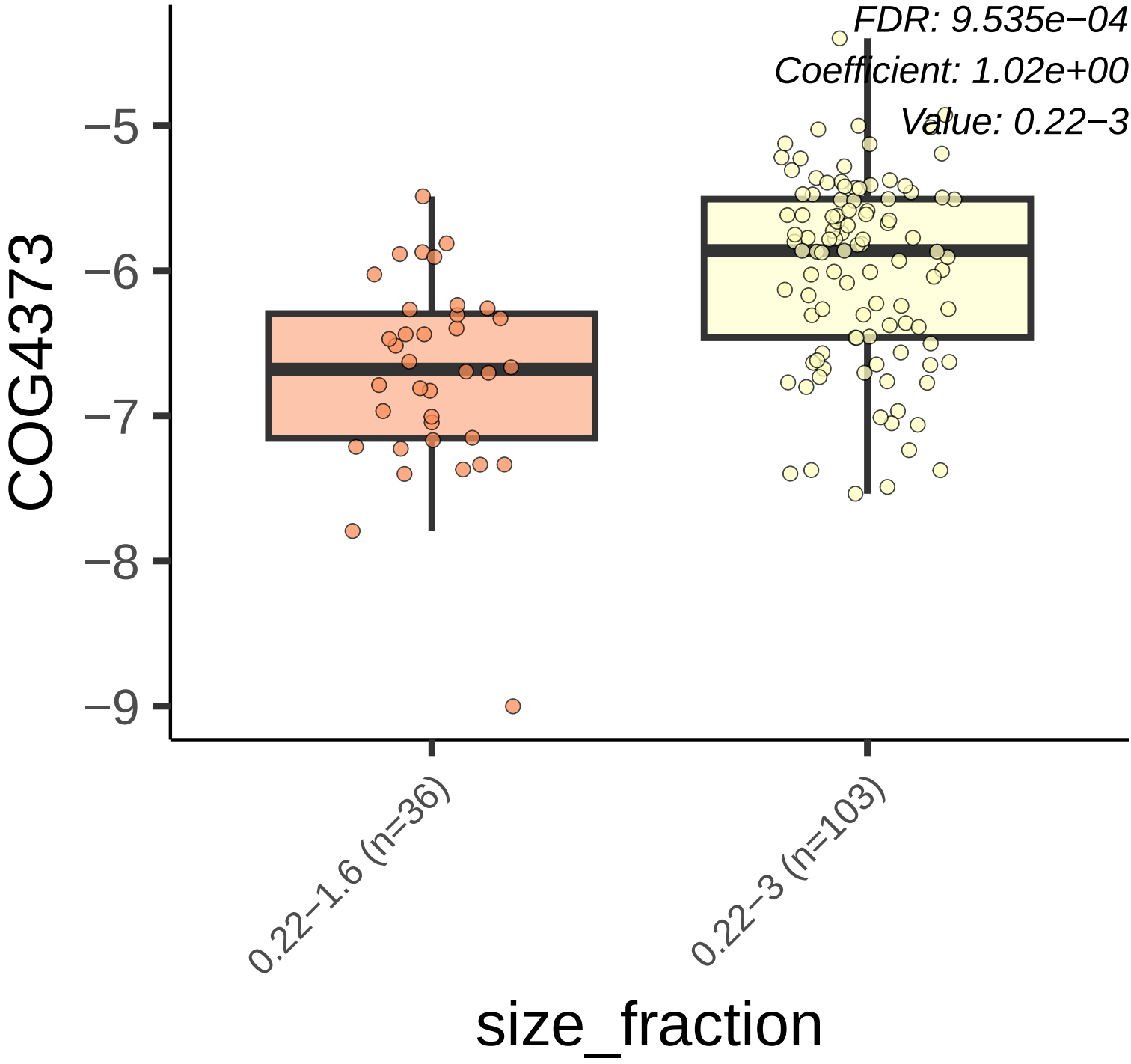

FDR: 8.792e−04
Coefficient: 2.89e−01
Value: 0.22−3
COG3608
−3.50
−3.75
−4.00
−4.25
−4.50
−4.75
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

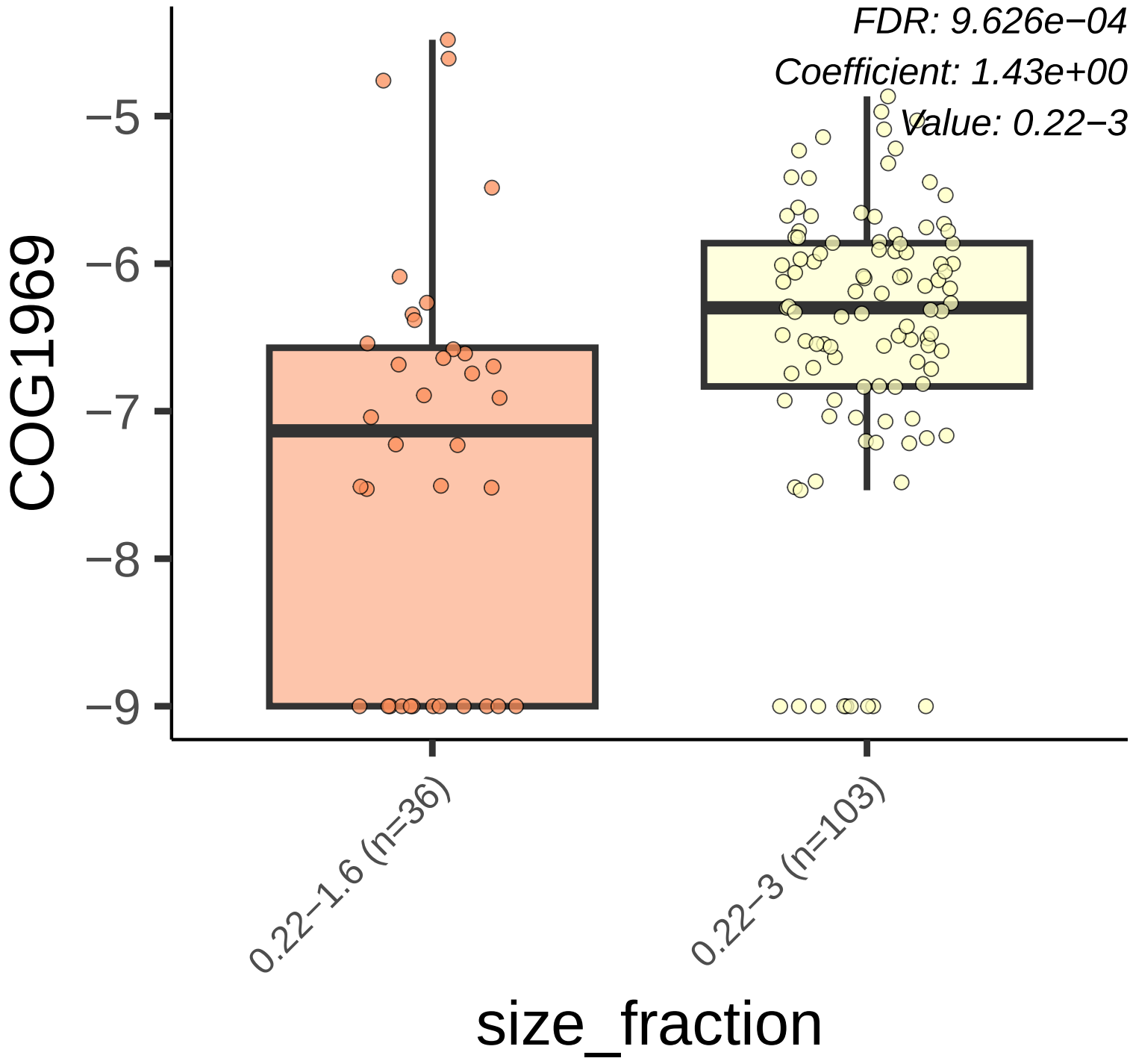

FDR: 8.998e−04
Coefficient: 1.93e−01
Value: 0.22−3
COG0531
−3.25
−3.50
−3.75
−4.00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

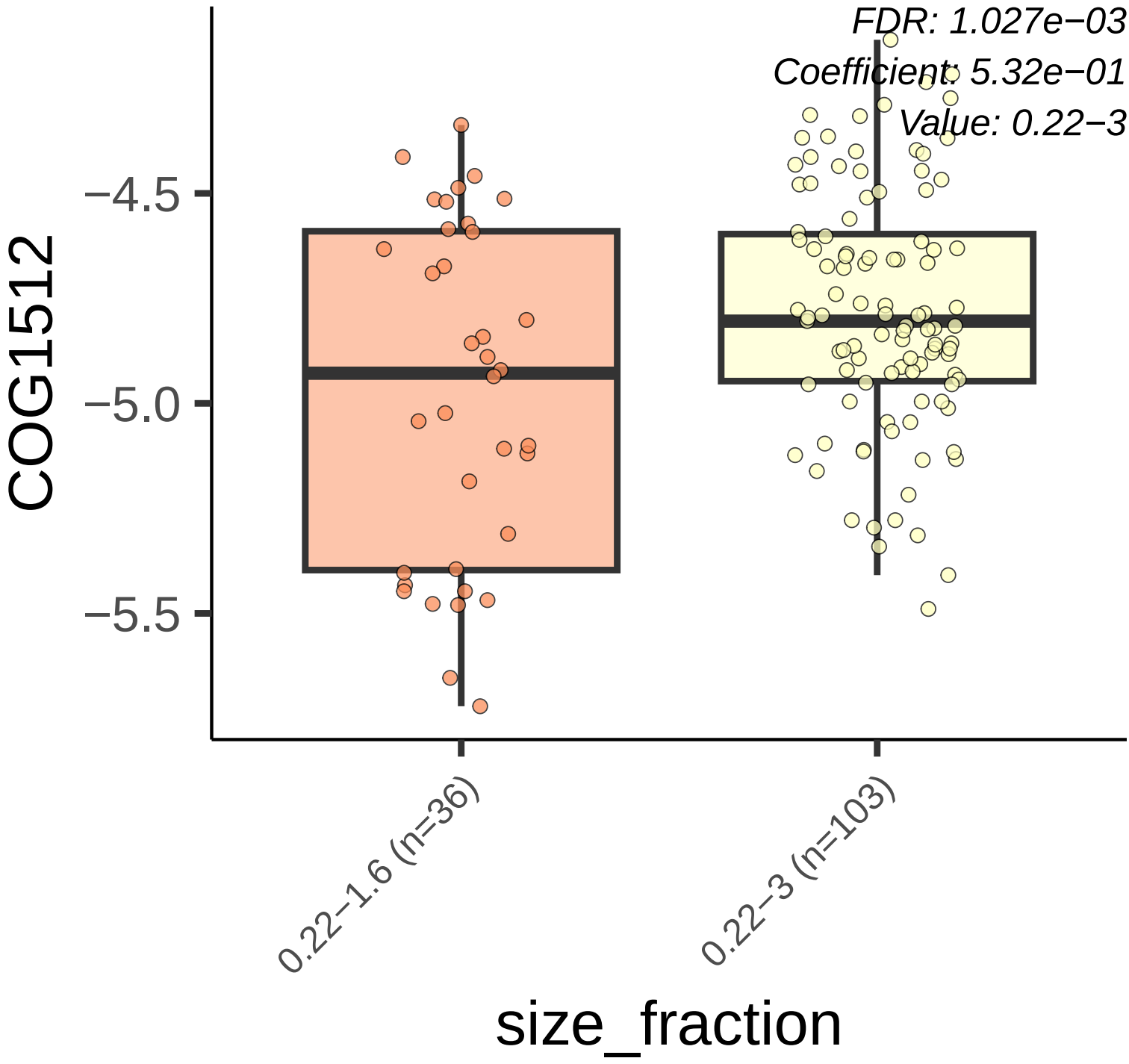

FDR: 9.169e−04
Coefficient: 2.44e−01
Value: 0.22−3
COG4152
−4.00
−4.25
−4.50
−4.75
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

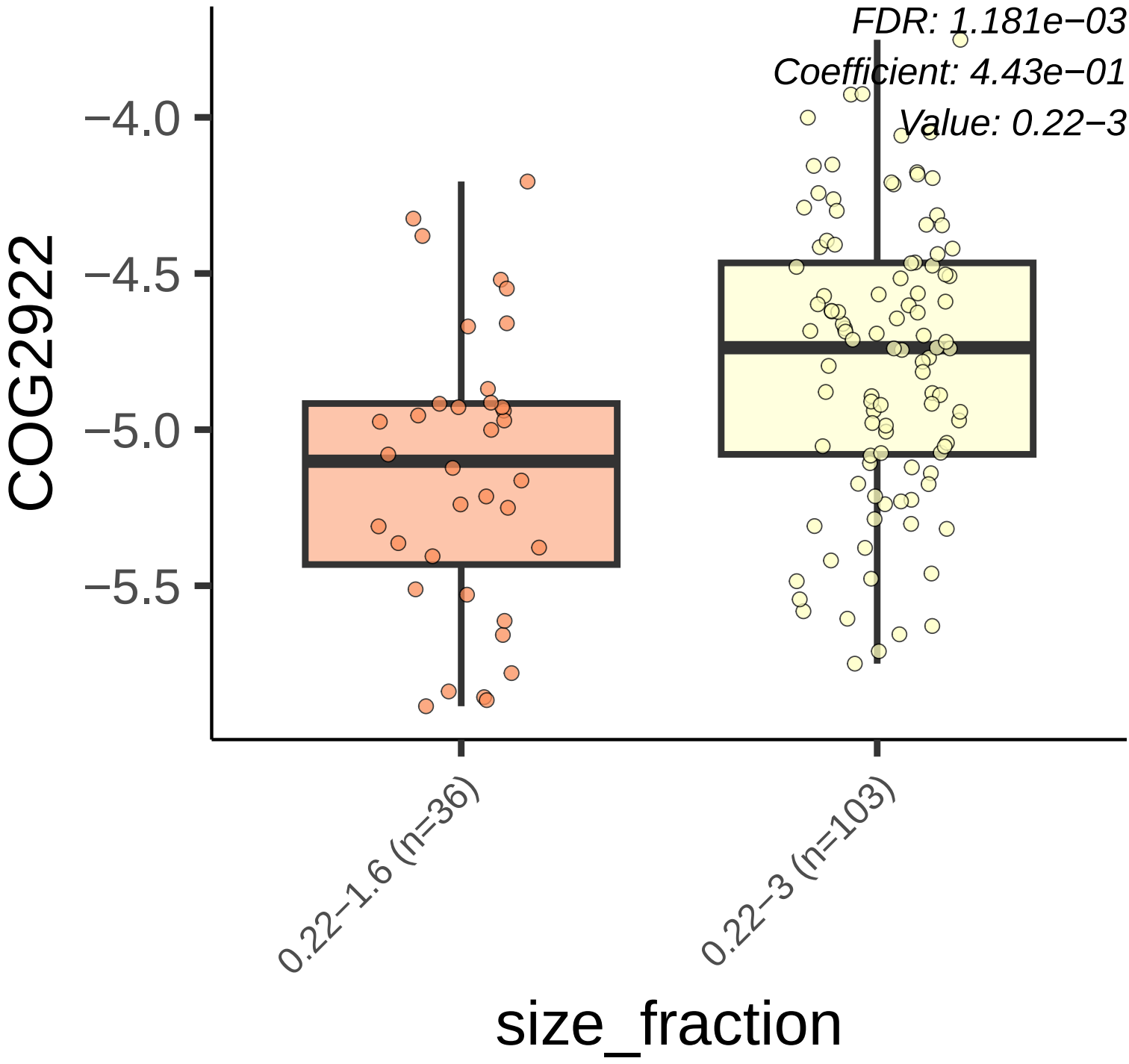

FDR: 9.169e−04
Coefficient: 6.50e−01
Value: 0.22−3
−5.0
−5.5
−6.0
−6.5
−7.0
COG4782
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

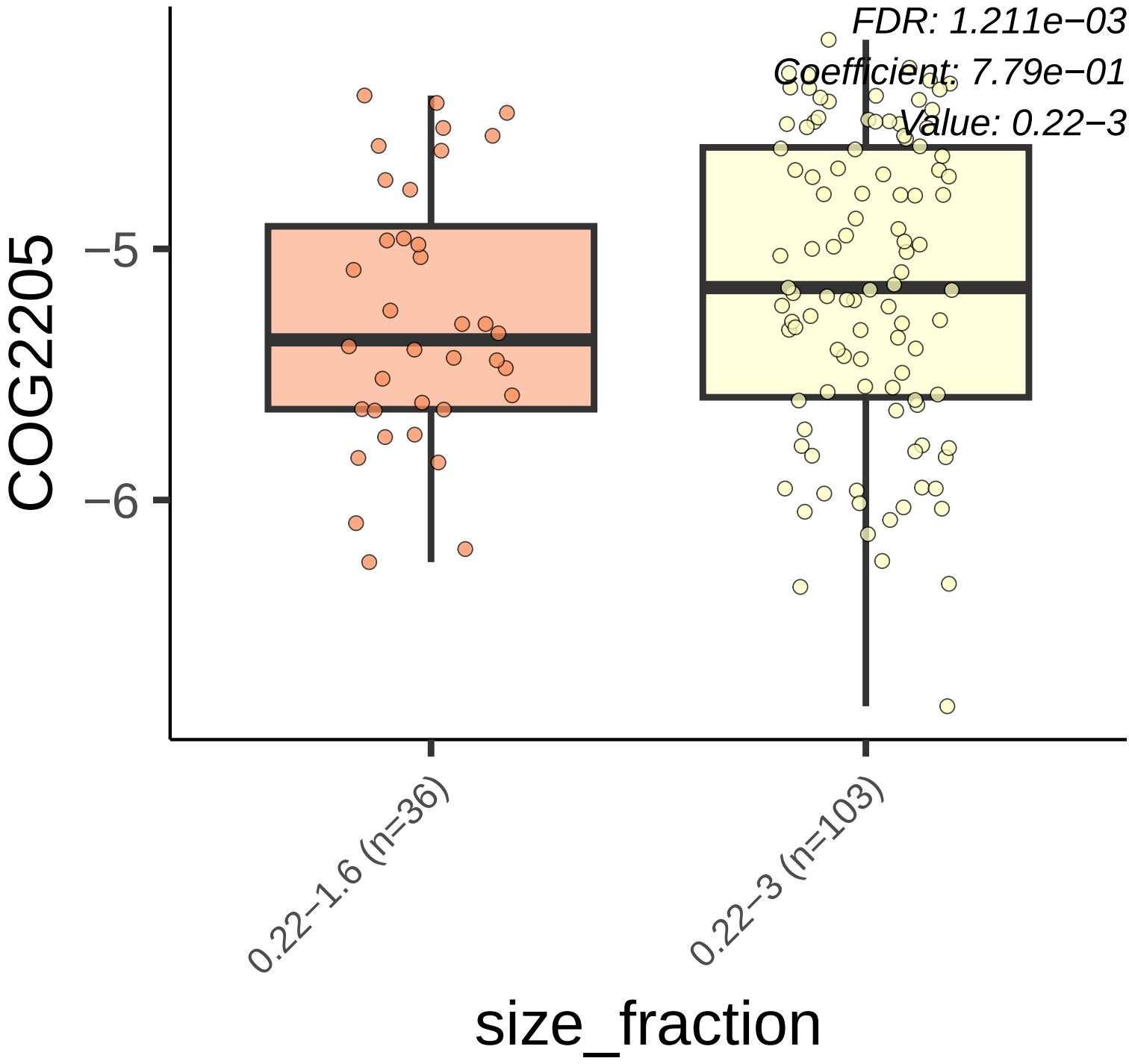

FDR: 9.460e−04
Coefficient: 3.88e−01
Value: 0.22−3
COG1966
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

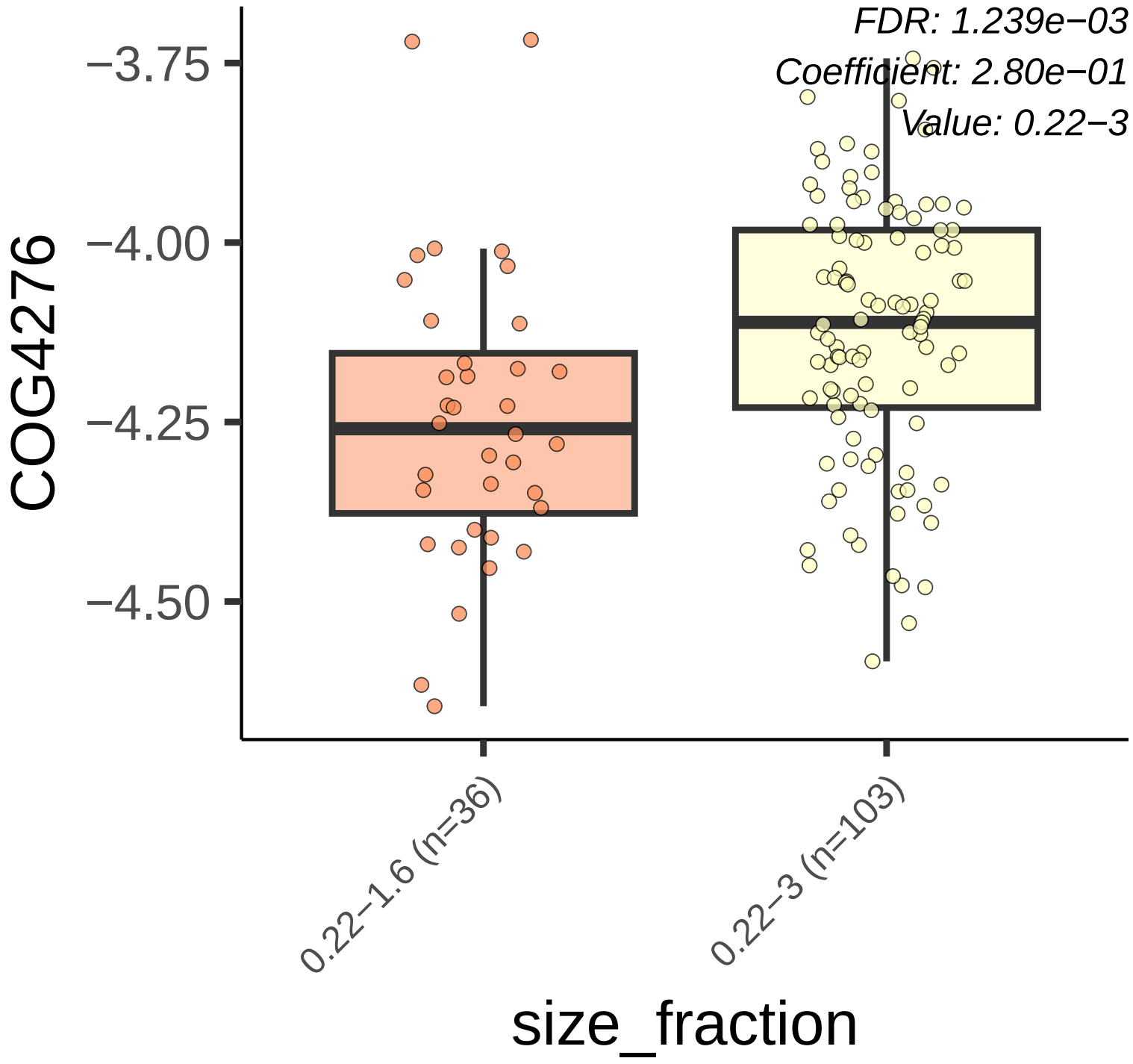

FDR: 9.535e−04
Coefficient: 1.02e+00
Value: 0.22−3
COG4373
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

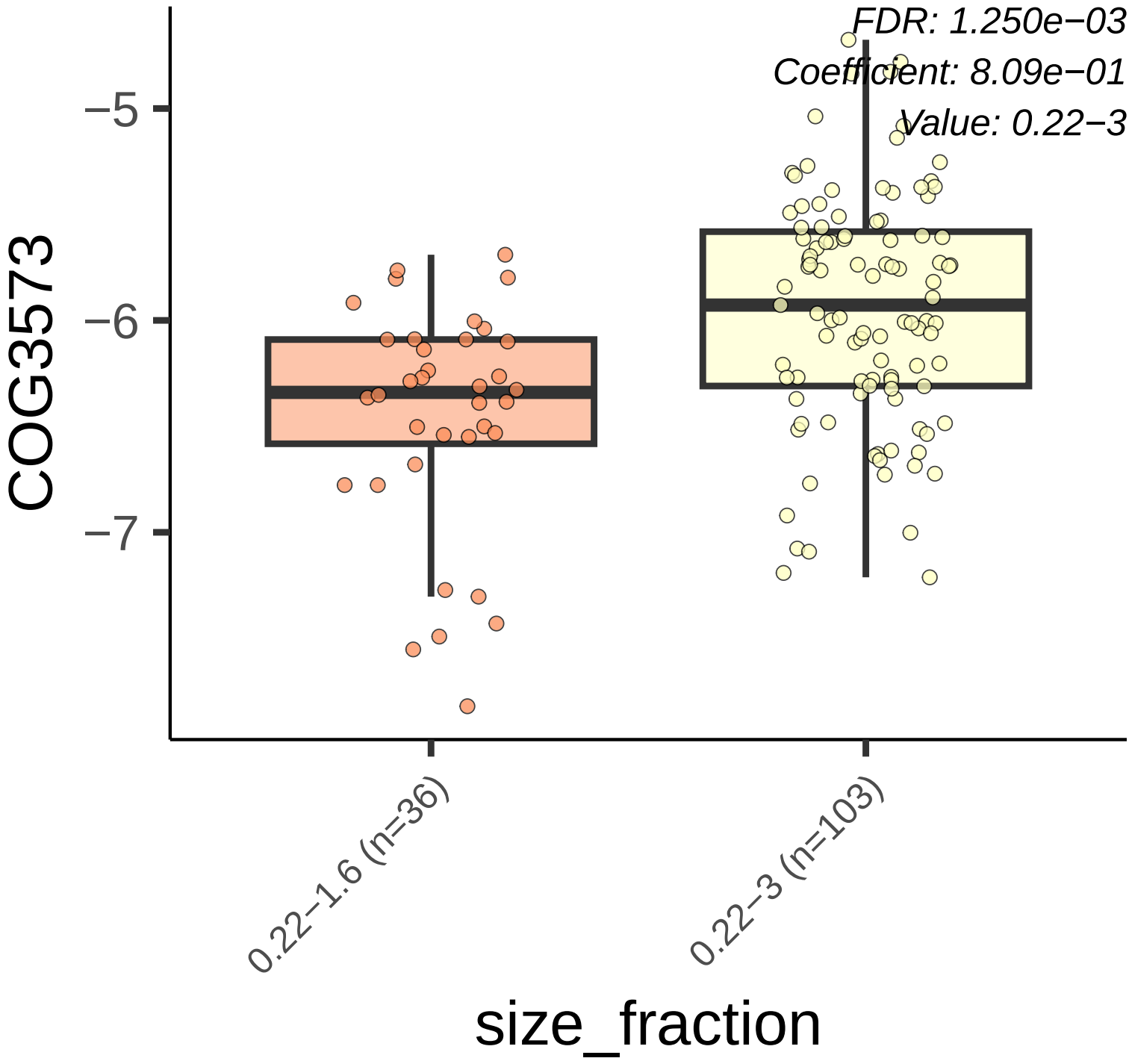

FDR: 9.626e−04
Coefficient: 1.43e+00
Value: 0.22−3
COG1969
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

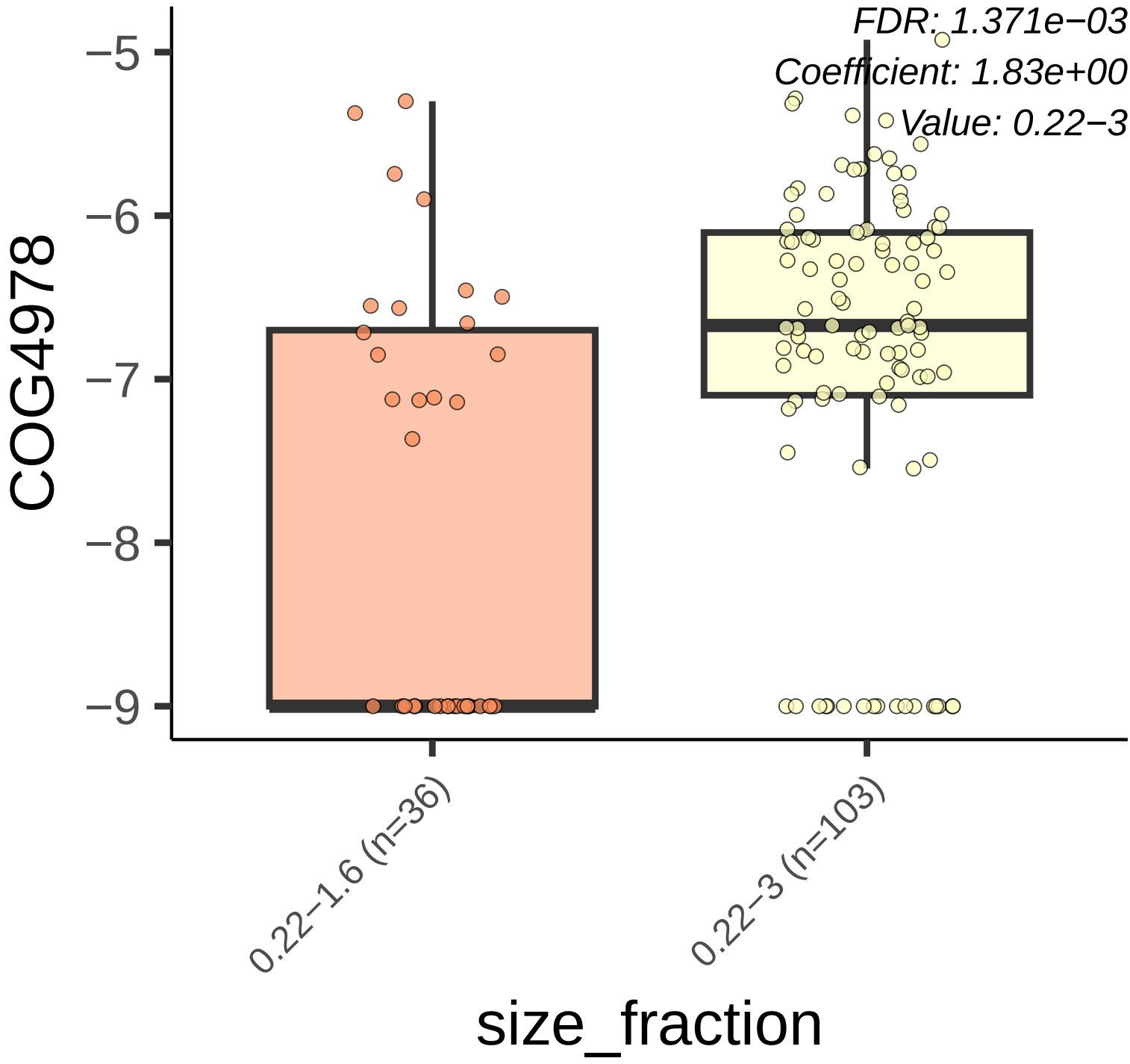

FDR: 1.027e−03
Coefficient: 5.32e−01
Value: 0.22−3
COG1512
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

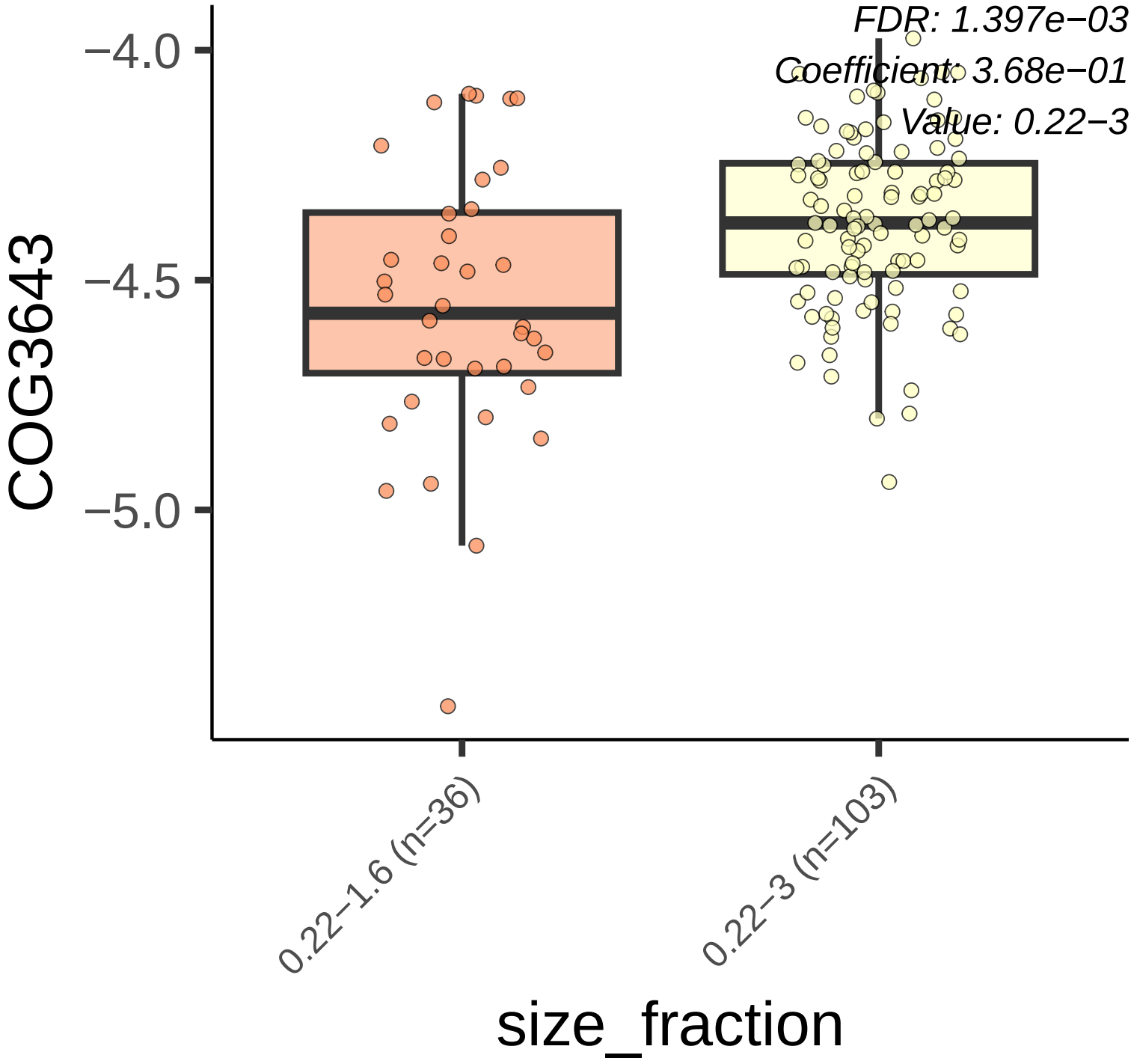

FDR: 1.181e−03
Coefficient: 4.43e−01
Value: 0.22−3
COG2922
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

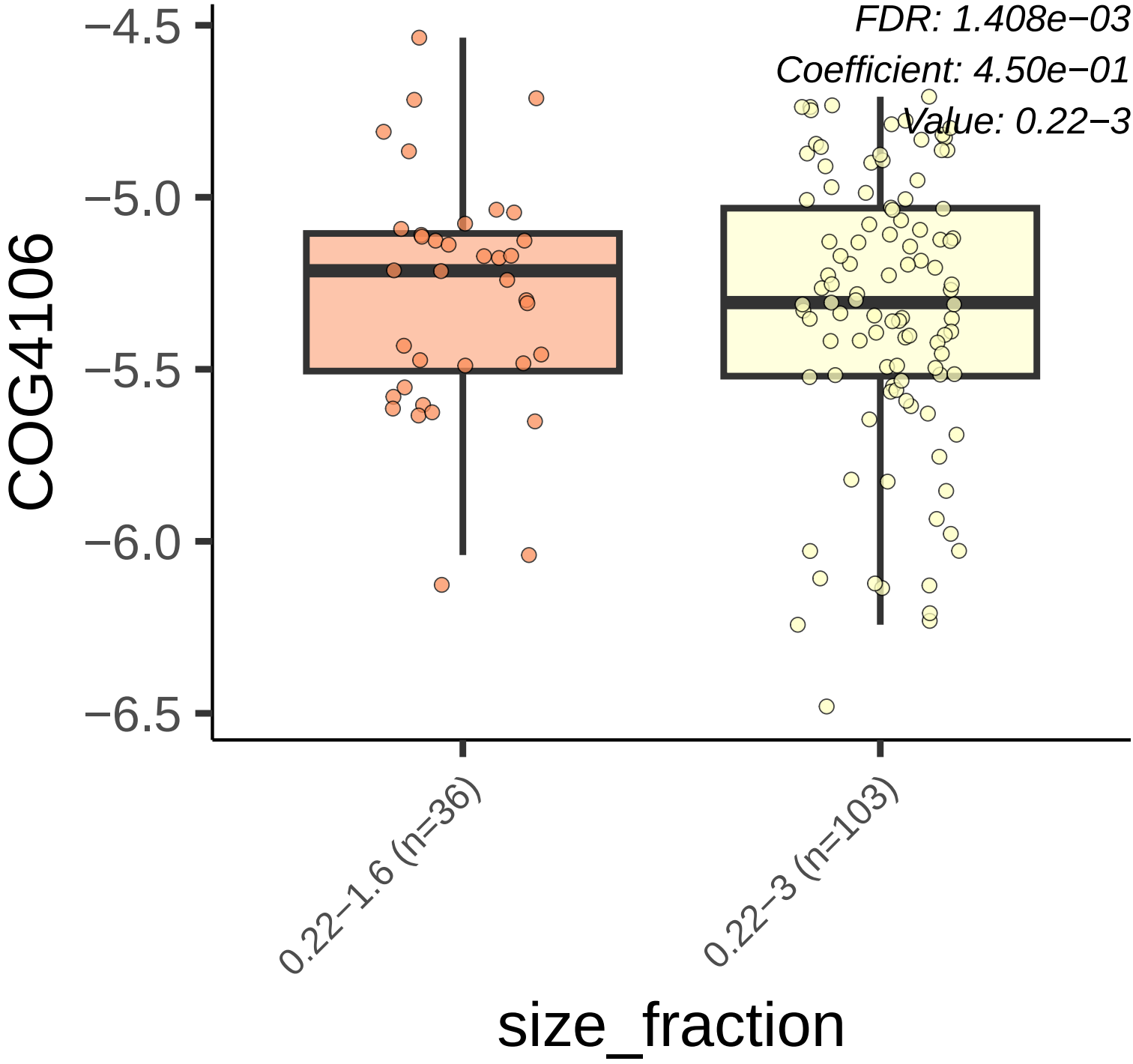

FDR: 1.211e−03
Coefficient: 7.79e−01
Value: 0.22−3
COG2205
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

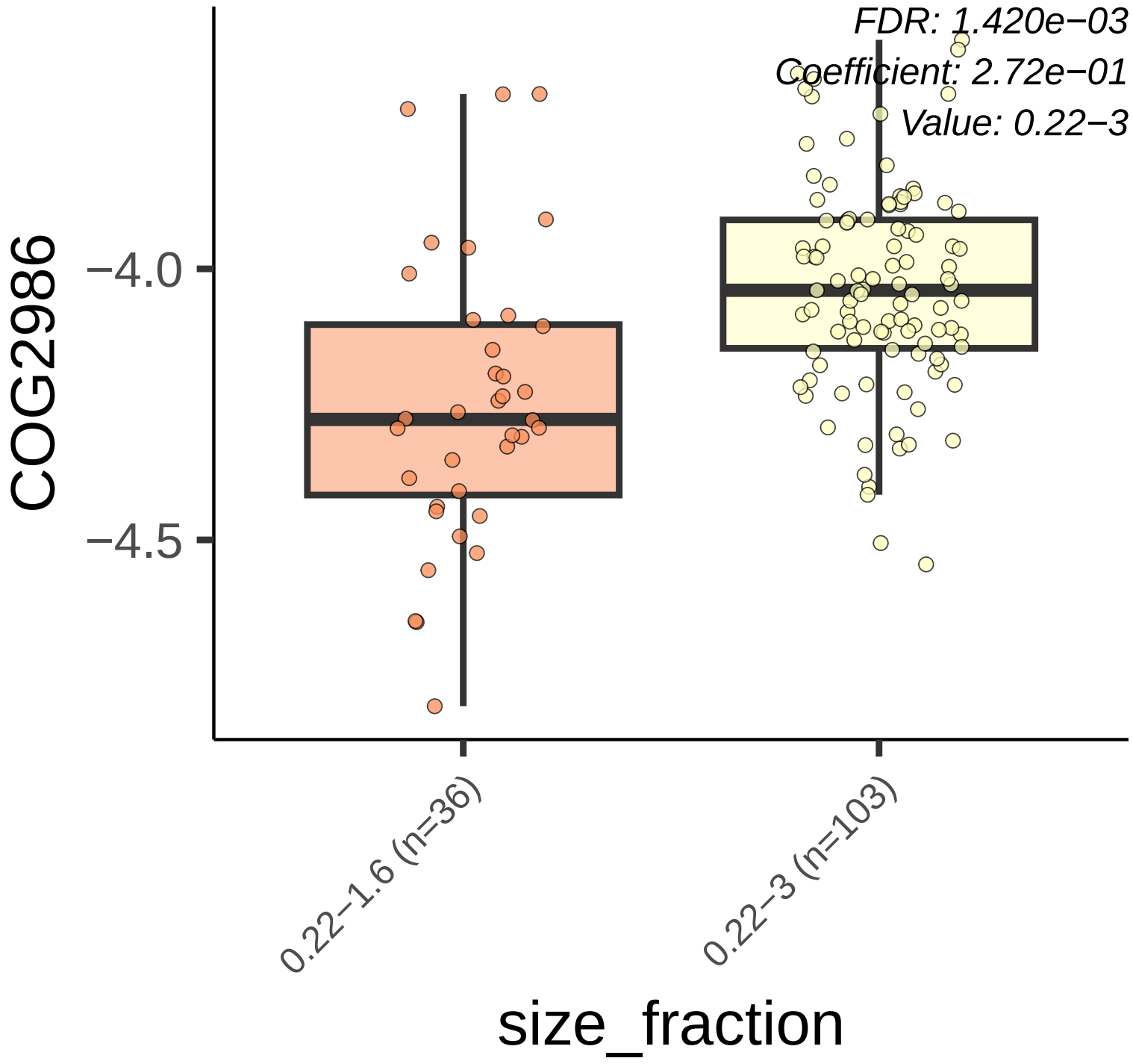

FDR: 1.239e−03
Coefficient: 2.80e−01
Value: 0.22−3
COG4276
−3.75
−4.00
−4.25
−4.50
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

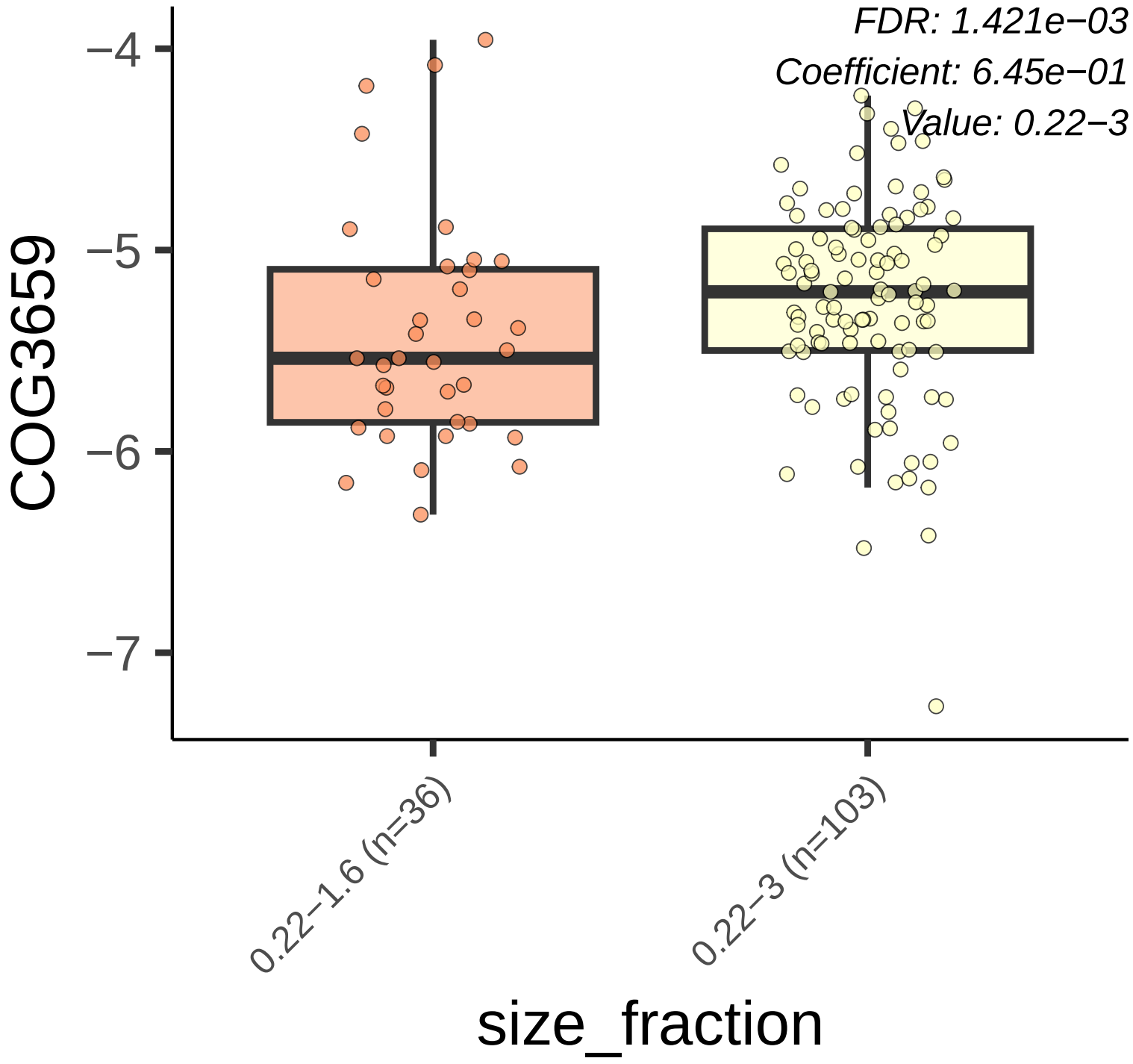

FDR: 1.250e−03
Coefficient: 8.09e−01
Value: 0.22−3
COG3573
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

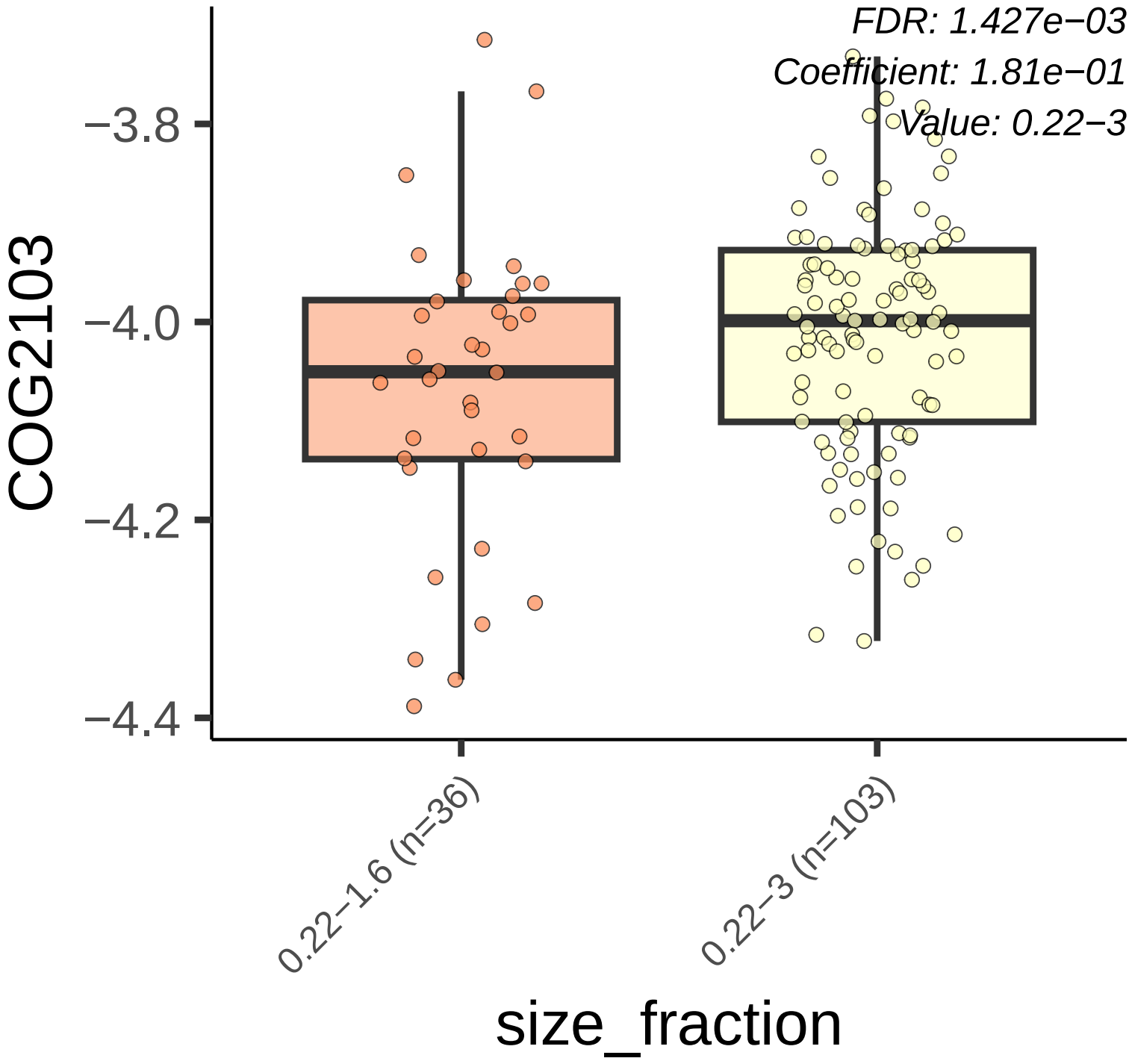

FDR: 1.371e−03
Coefficient: 1.83e+00
Value: 0.22−3
COG4978
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

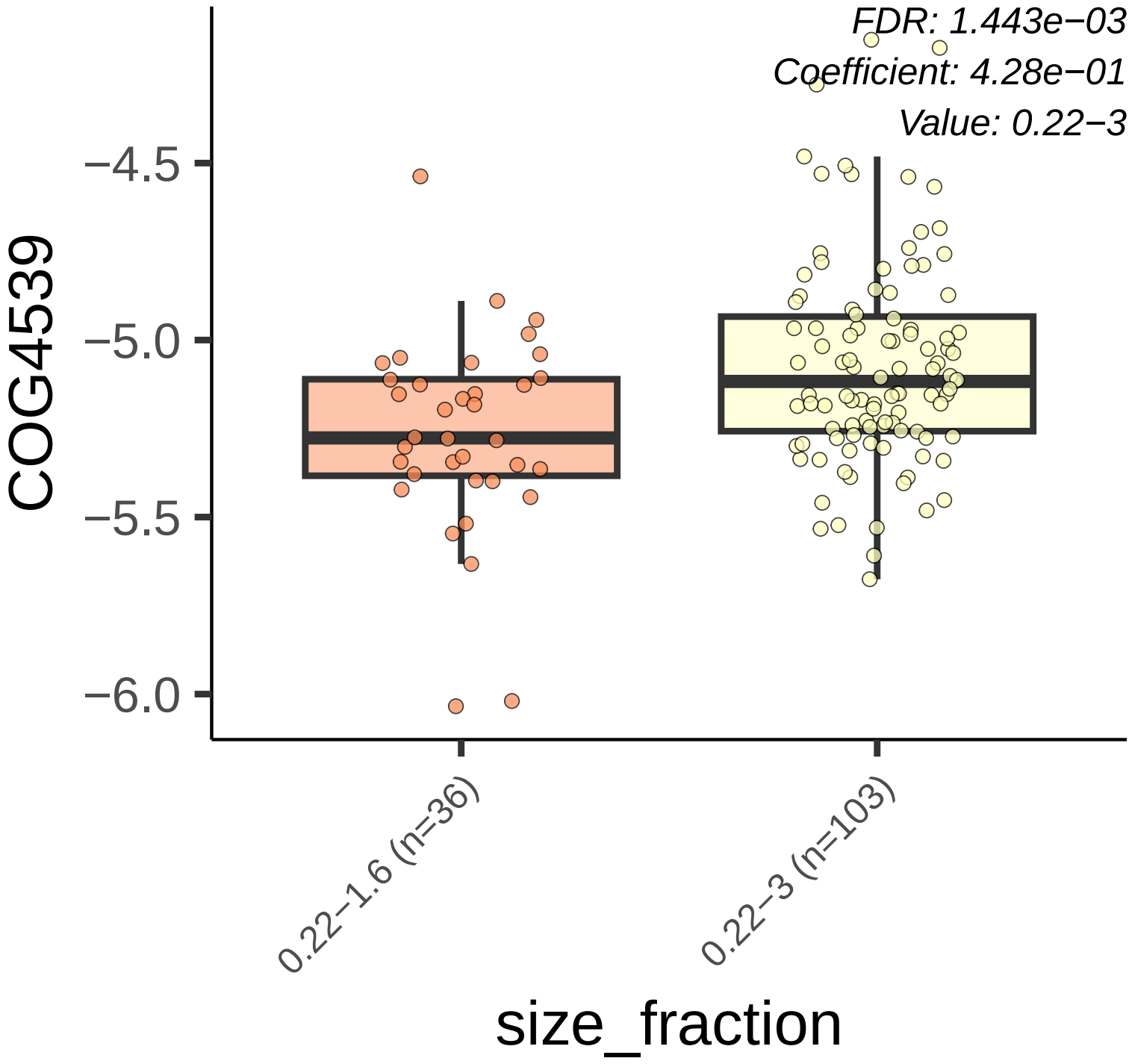

FDR: 1.397e−03
Coefficient: 3.68e−01
Value: 0.22−3
−4.0
−4.5
−5.0
COG3643
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

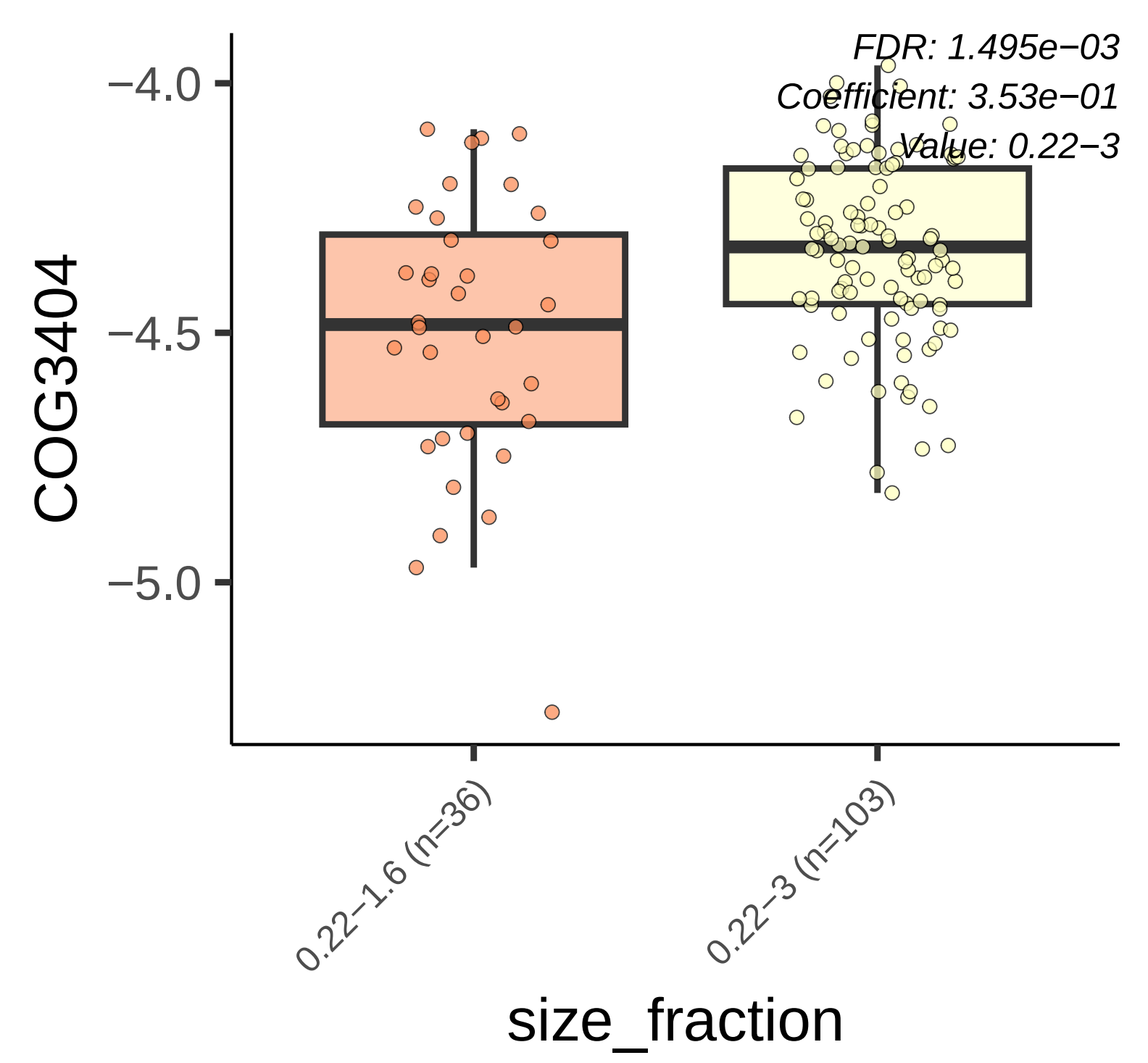

FDR: 1.408e−03
Coefficient: 4.50e−01
Value: 0.22−3
−4.5
−5.0
−5.5
−6.0
−6.5
COG4106
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.420e−03
Coefficient: 2.72e−01
Value: 0.22−3
COG2986
−4.0
−4.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.421e−03
Coefficient: 6.45e−01
Value: 0.22−3
COG3659
−4
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.427e−03
Coefficient: 1.81e−01
Value: 0.22−3
COG2103
−3.8
−4.0
−4.2
−4.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.443e−03
Coefficient: 4.28e−01
Value: 0.22−3
COG4539
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.495e−03
Coefficient: 3.53e−01
Value: 0.22−3
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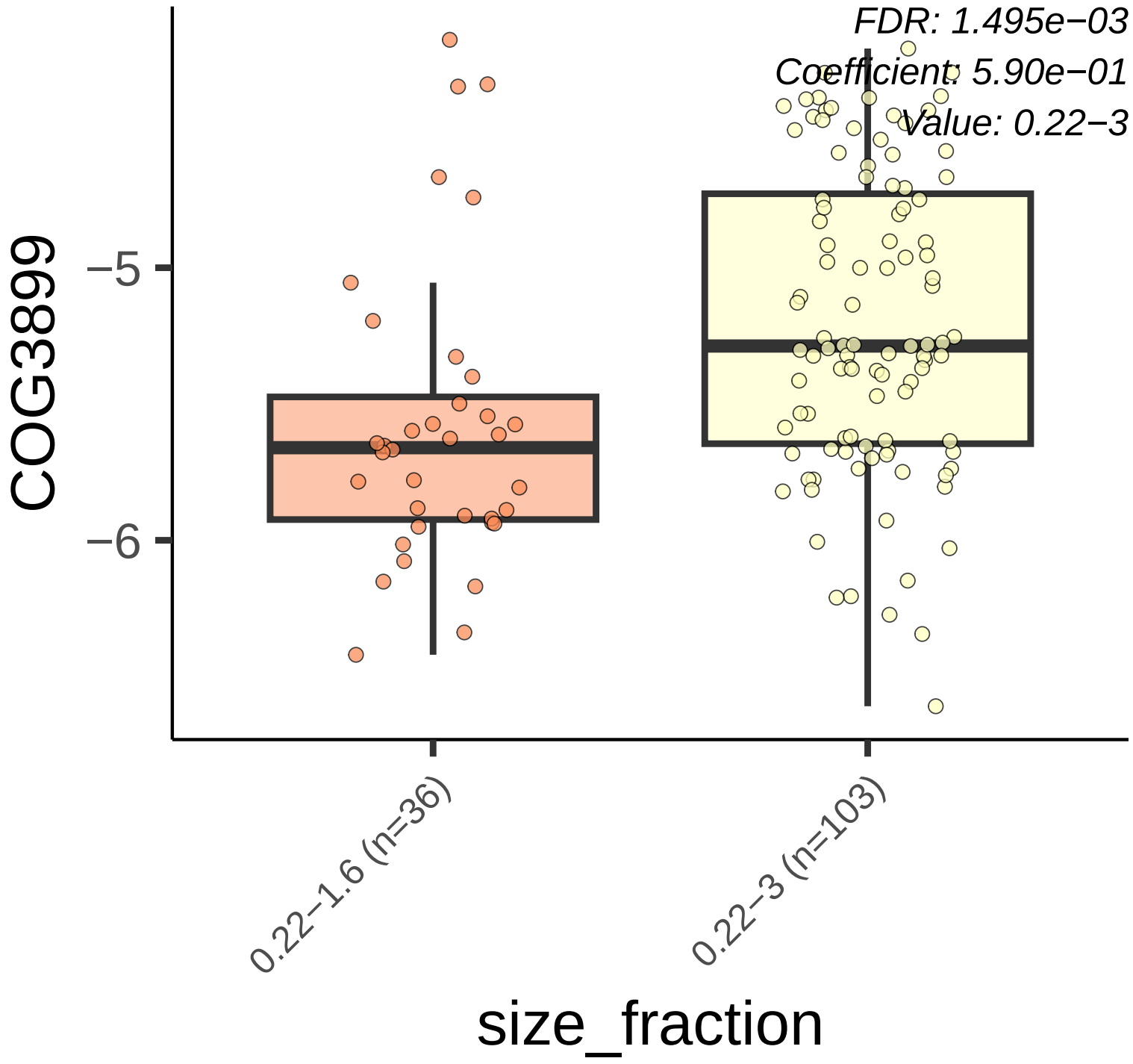
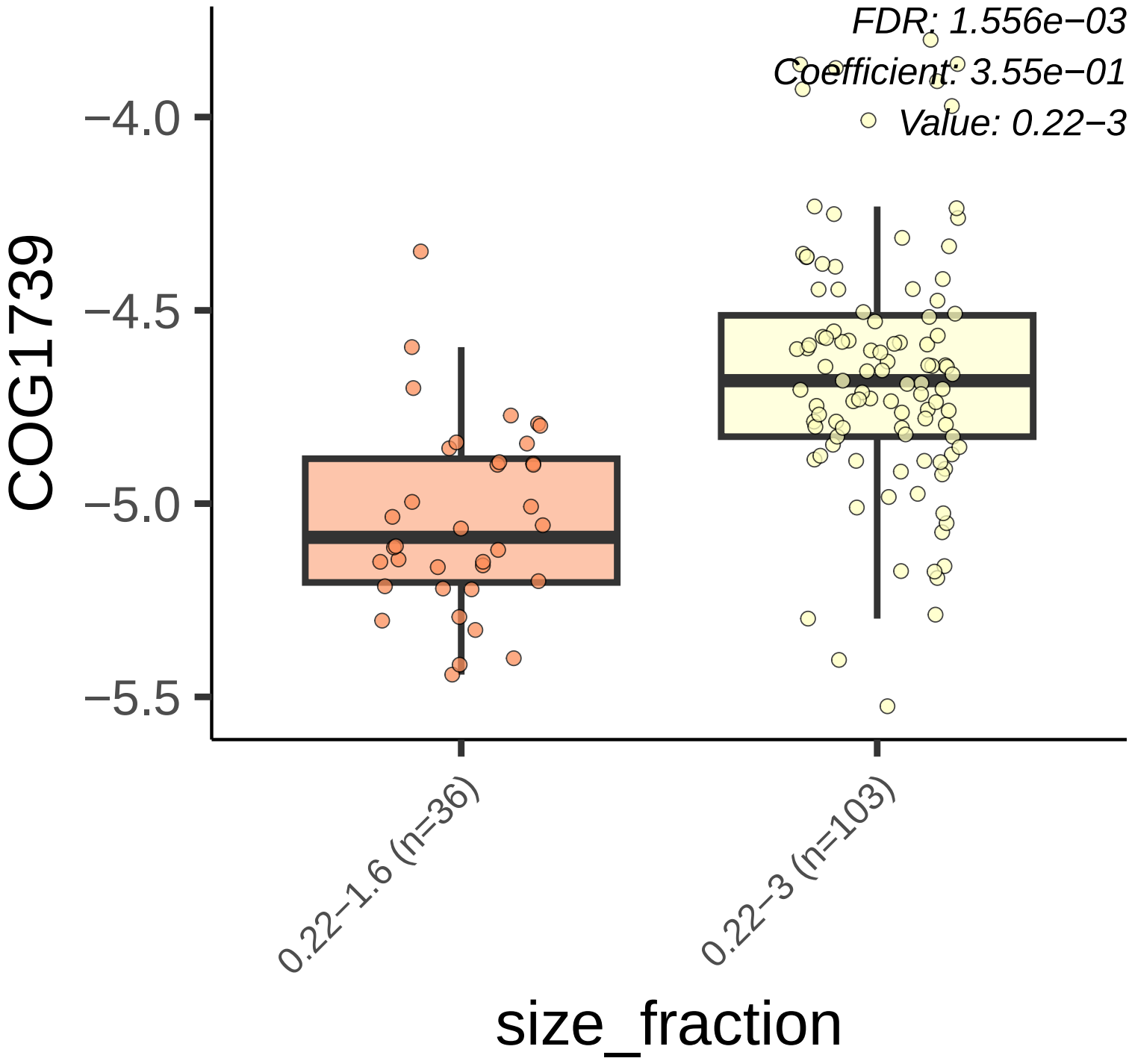
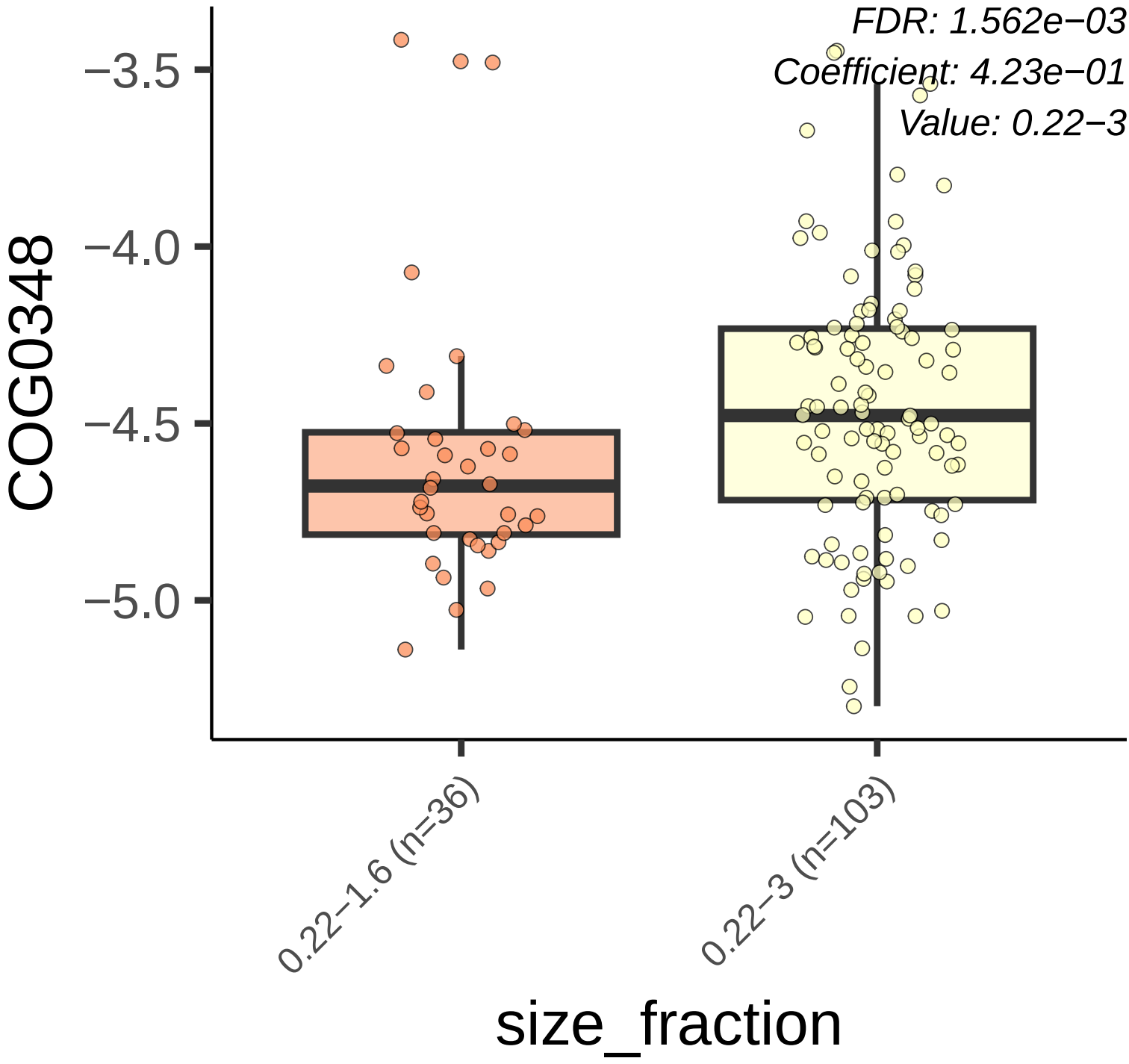
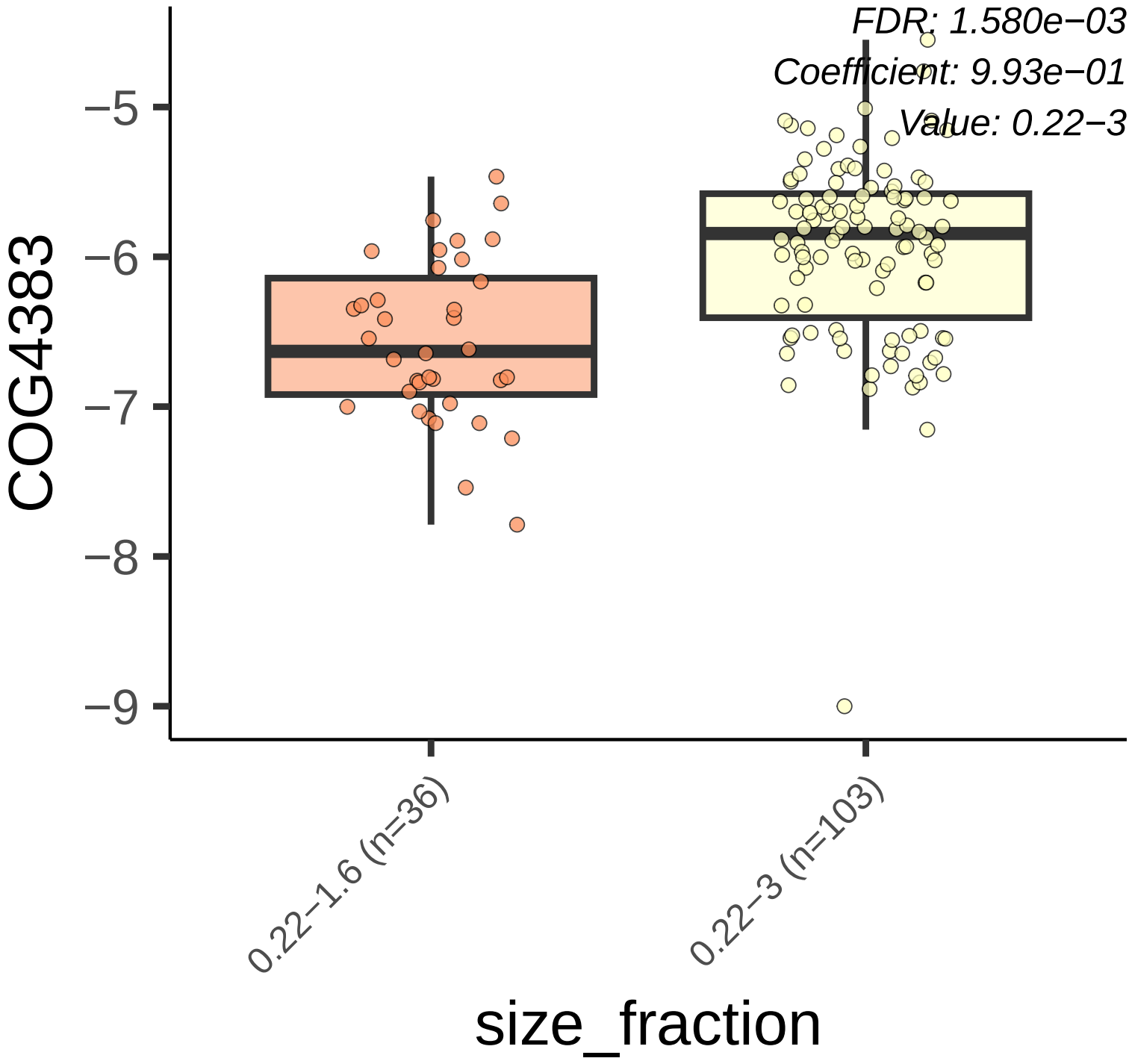
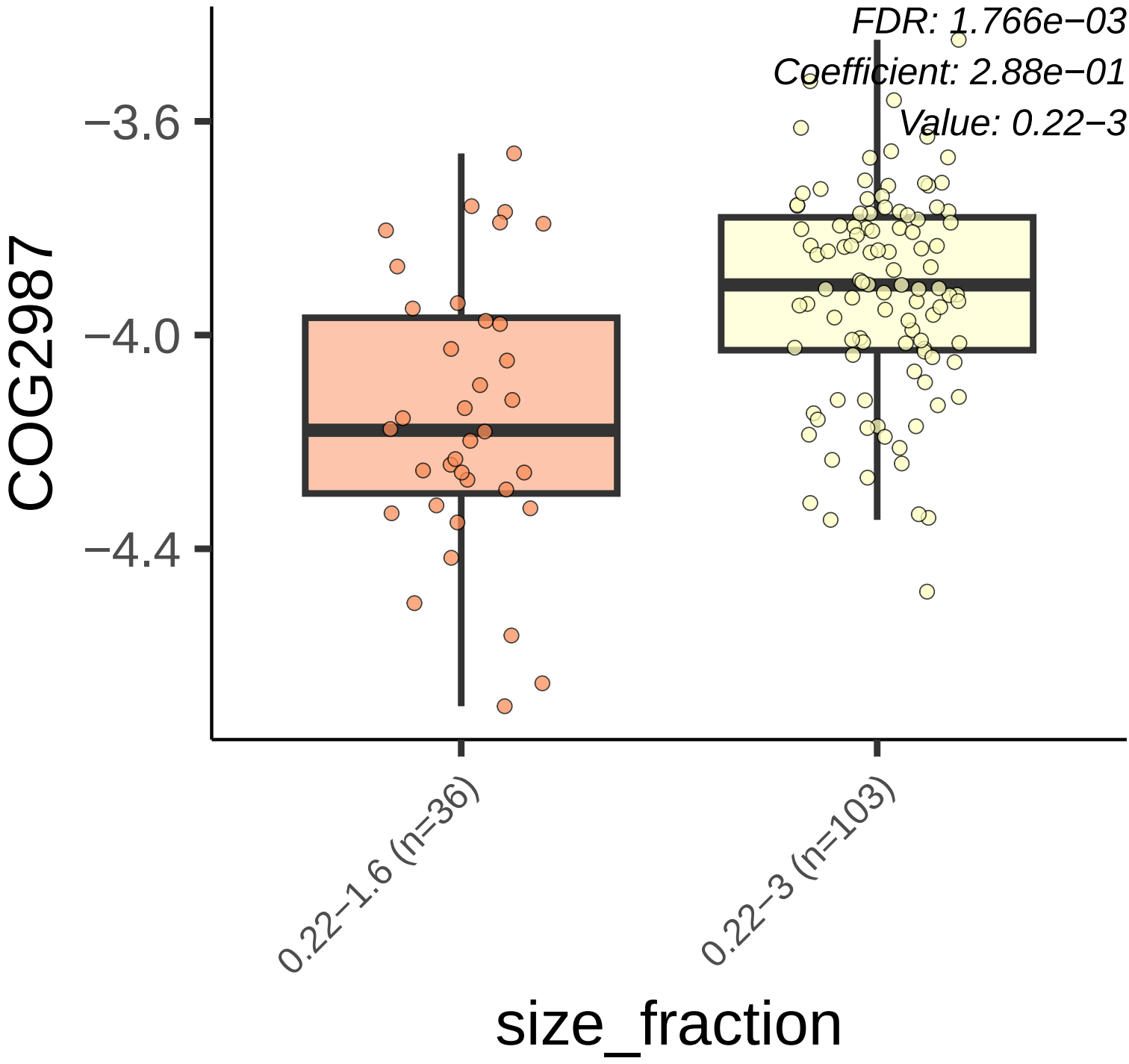
−4.5
−5.0
COG3404
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

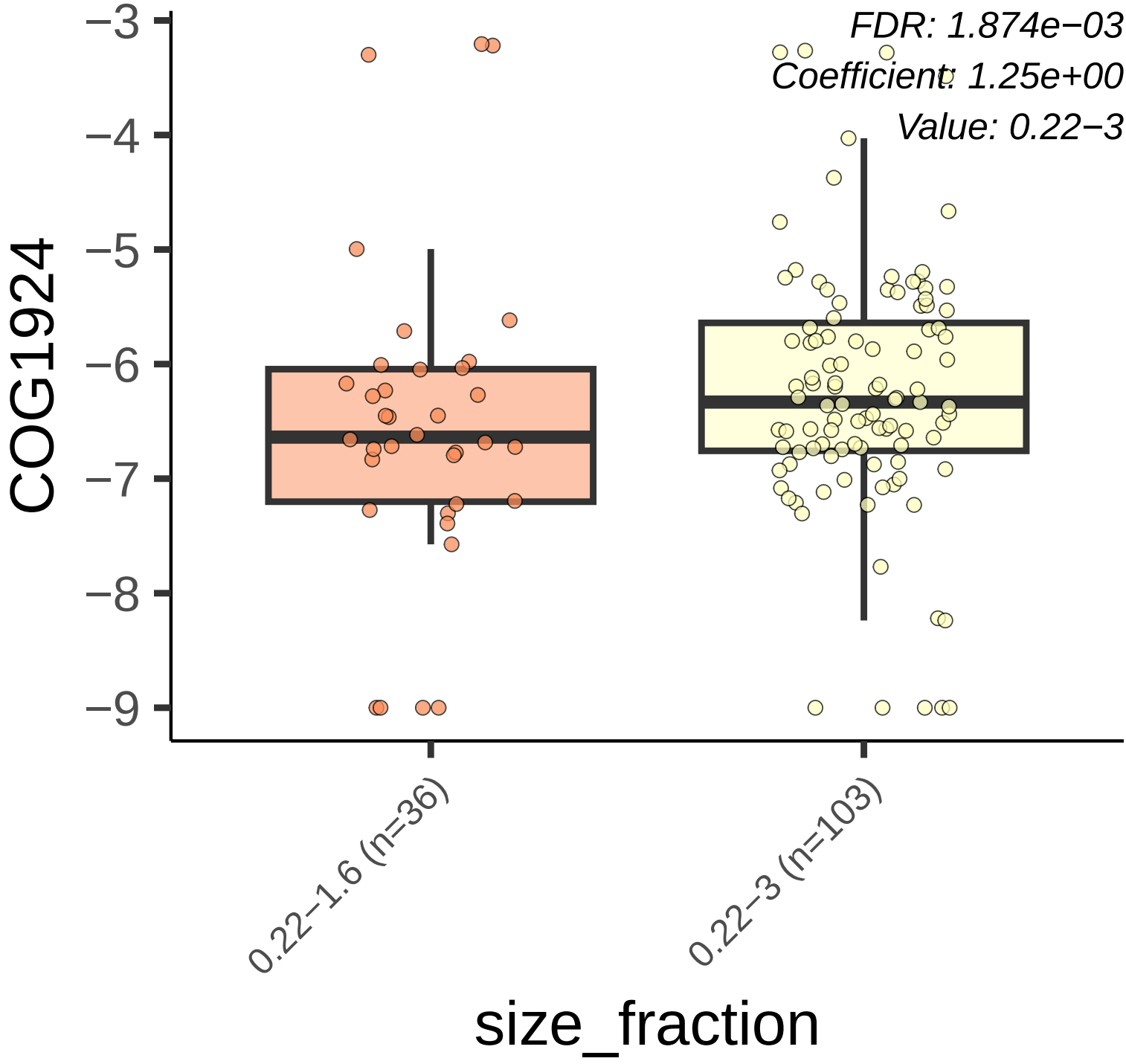

FDR: 1.495e−03
Coefficient: 5.90e−01
Value: 0.22−3
COG3899
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

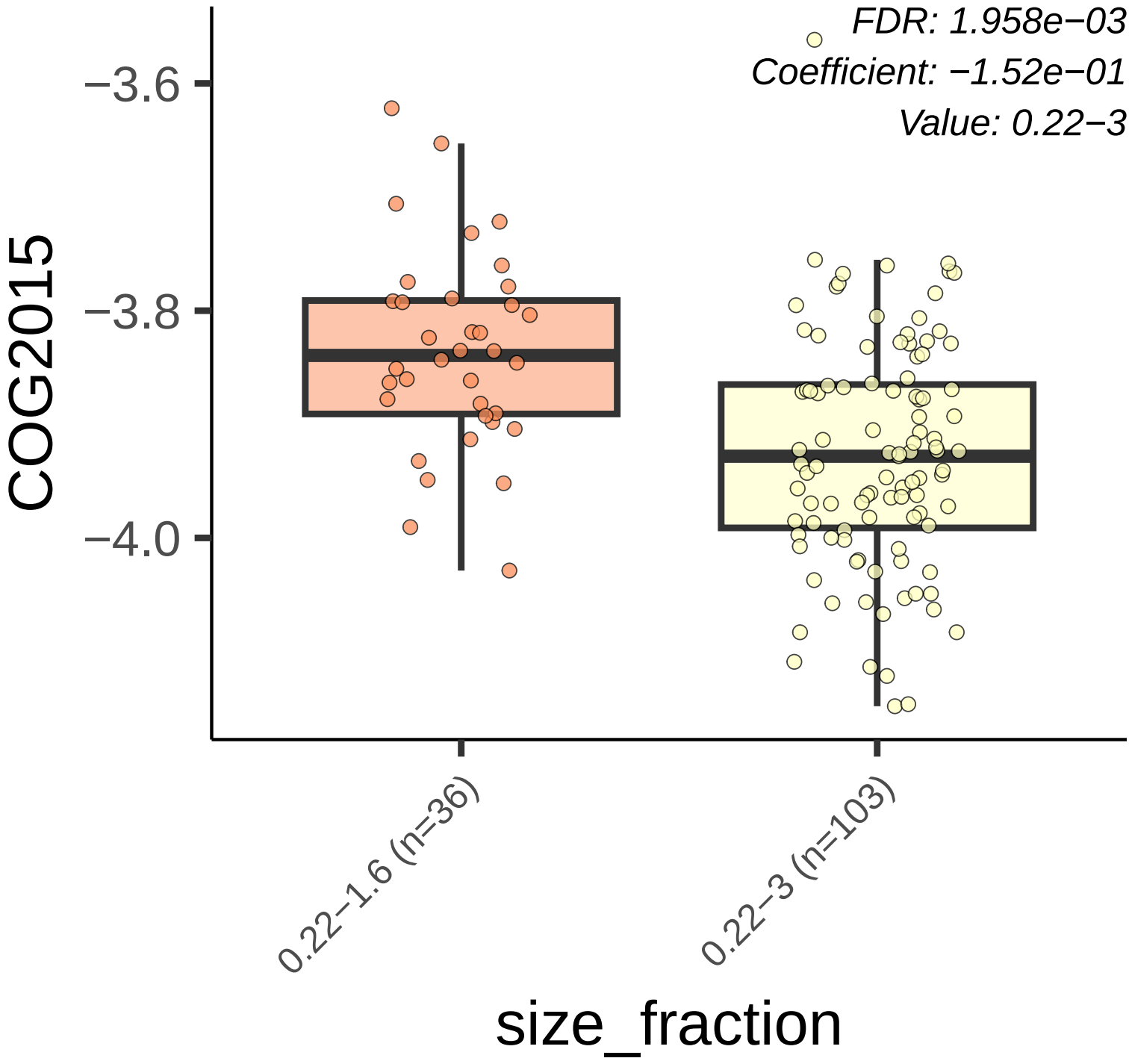

FDR: 1.556e−03
Coefficient: 3.55e−01
Value: 0.22−3
COG1739
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

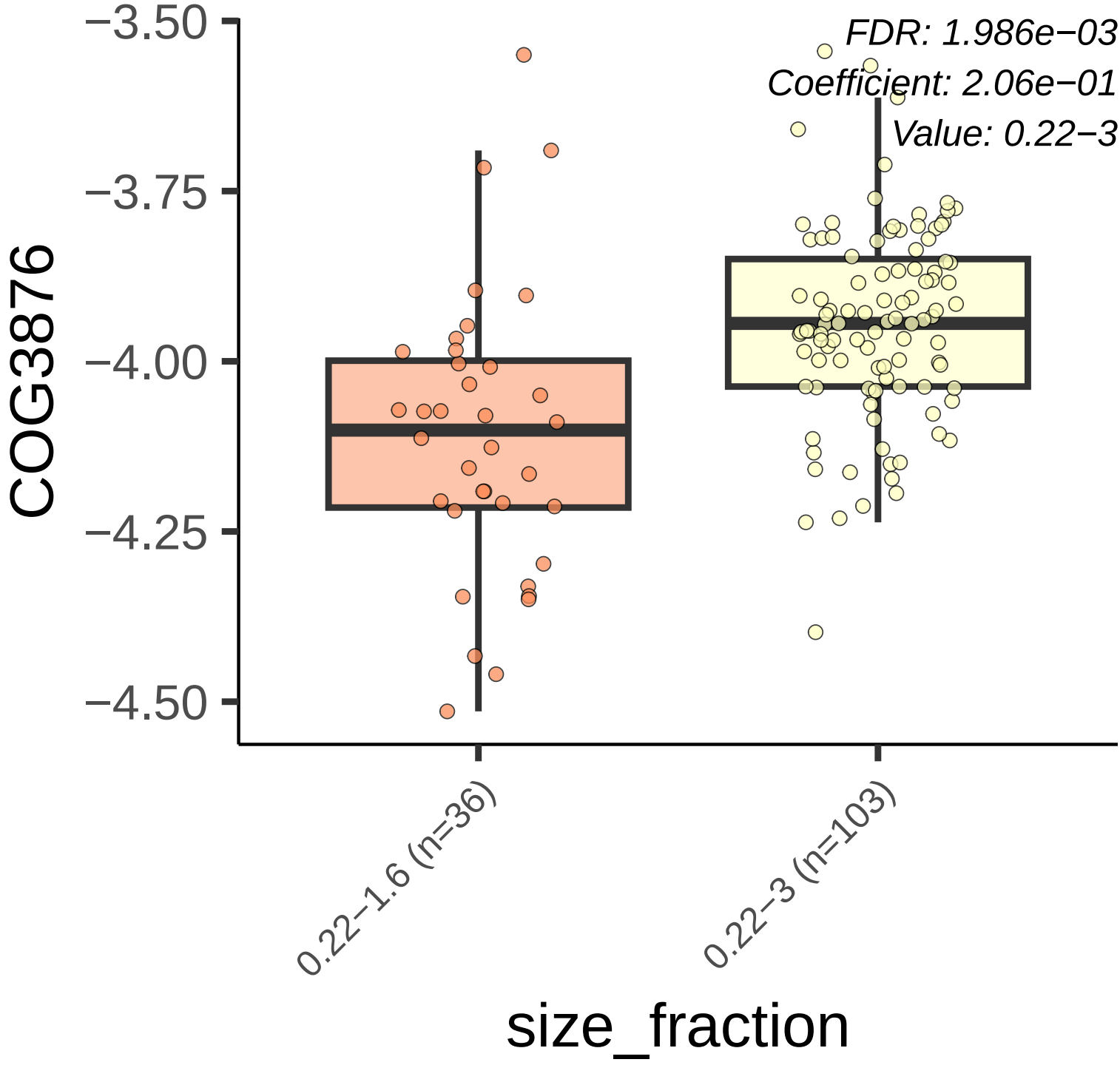

FDR: 1.562e−03
Coefficient: 4.23e−01
Value: 0.22−3
COG0348
−3.5
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.580e−03
Coefficient: 9.93e−01
Value: 0.22−3
COG4383
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.766e−03
Coefficient: 2.88e−01
Value: 0.22−3
COG2987
−3.6
−4.0
−4.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.874e−03
Coefficient: 1.25e+00
Value: 0.22−3
COG1924
−3
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.958e−03
Coefficient: −1.52e−01
Value: 0.22−3
COG2015
−3.6
−3.8
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.986e−03
Coefficient: 2.06e−01
Value: 0.22−3
COG3876
−3.50
−3.75
−4.00
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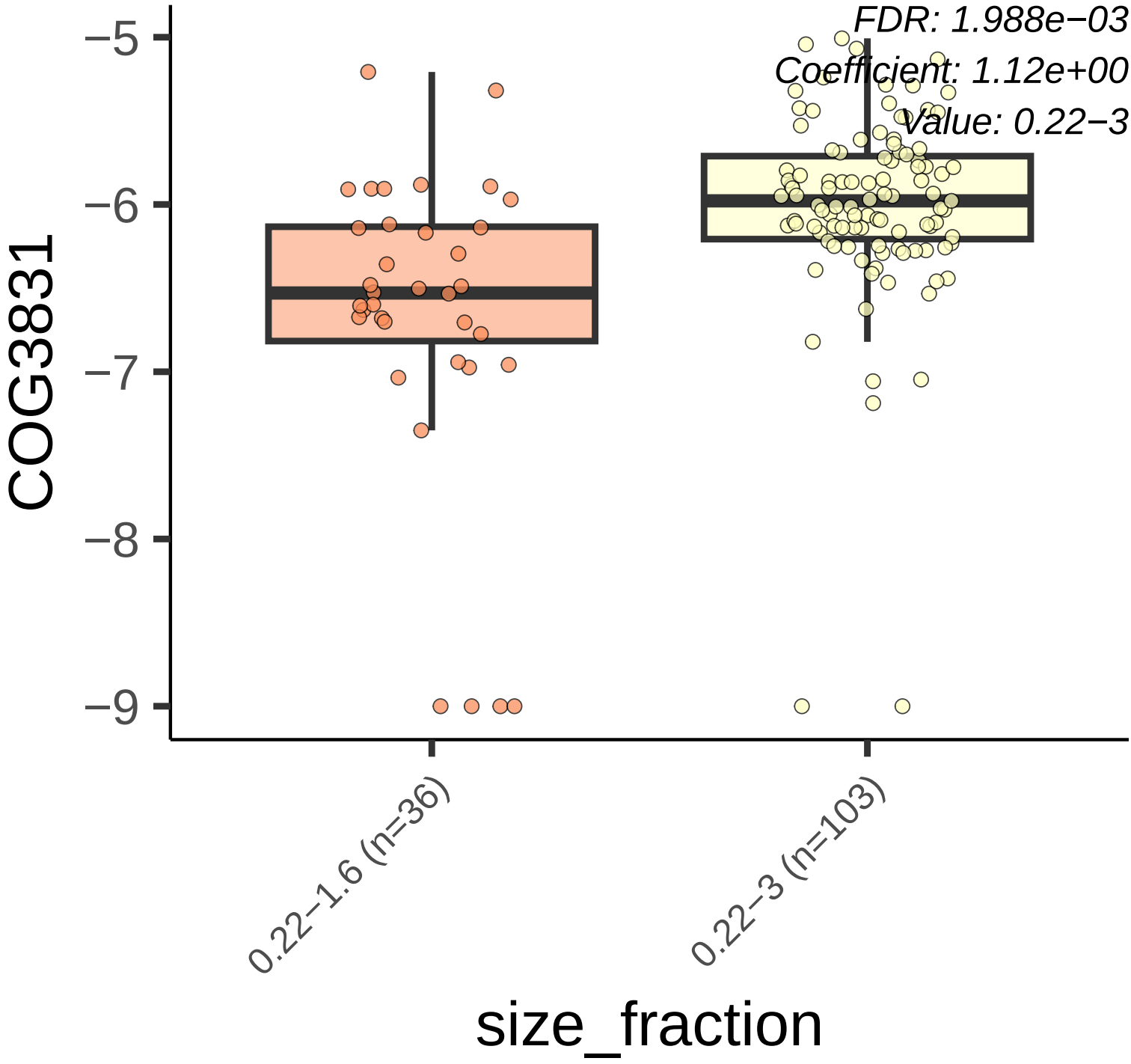
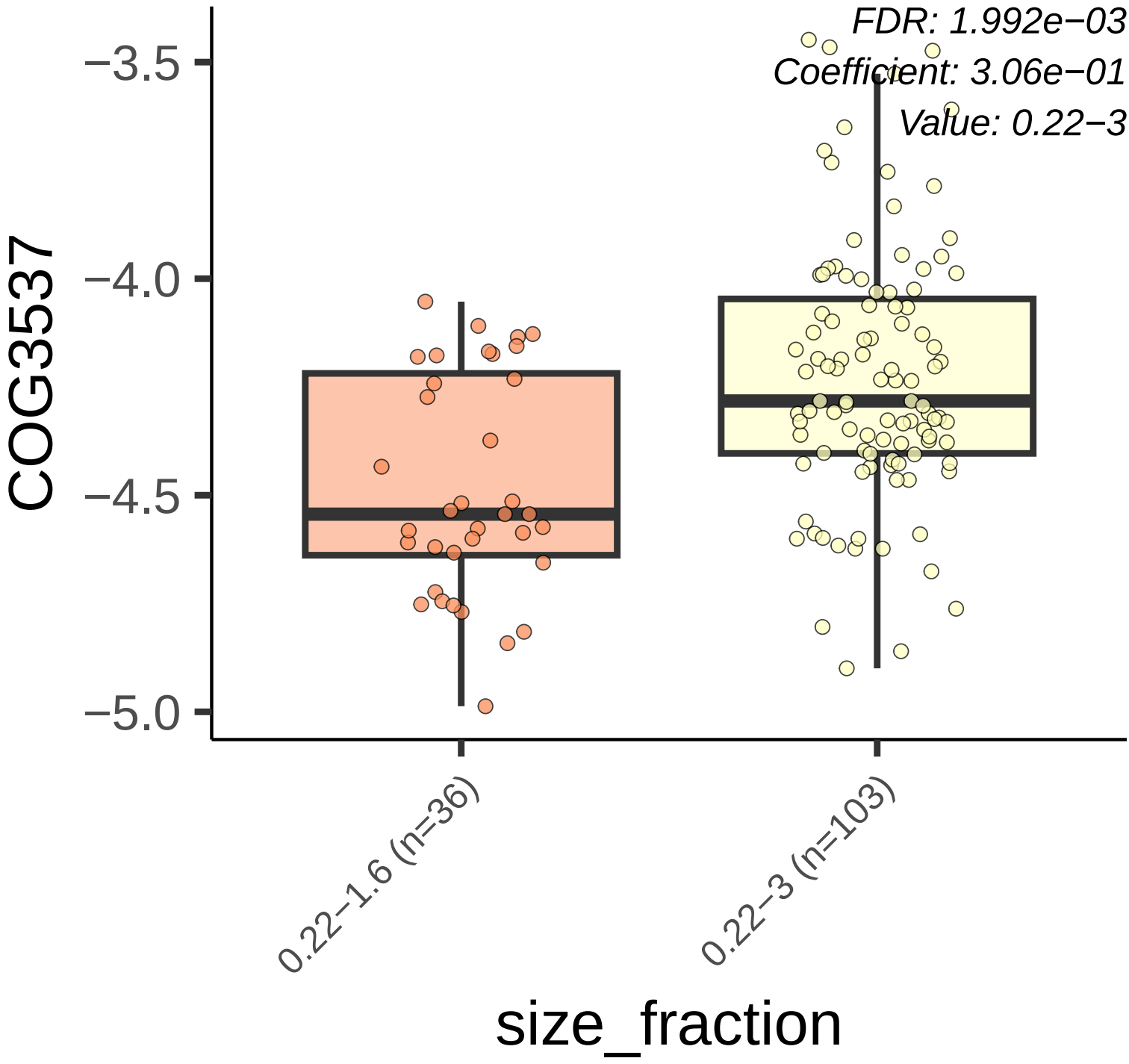
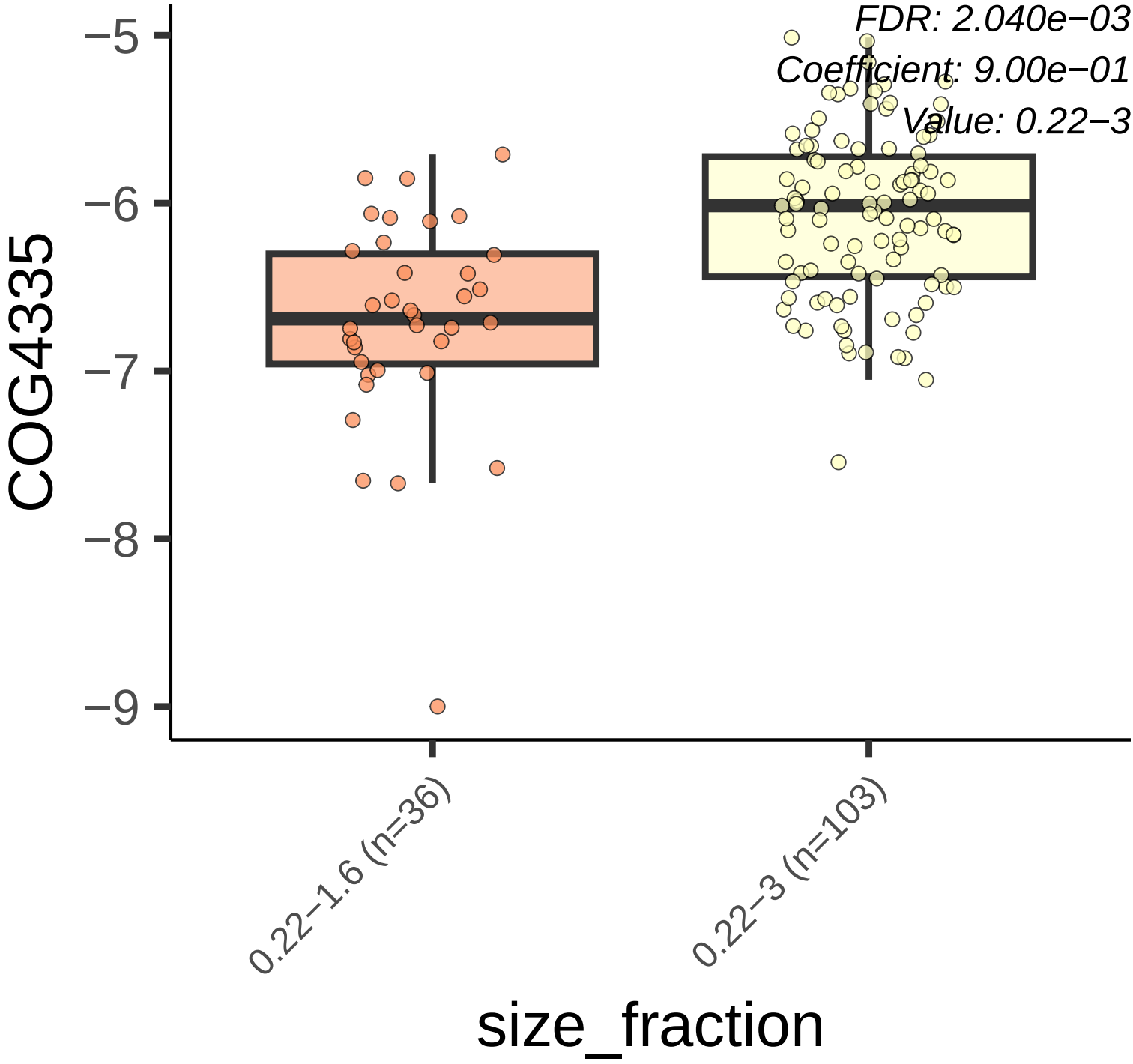
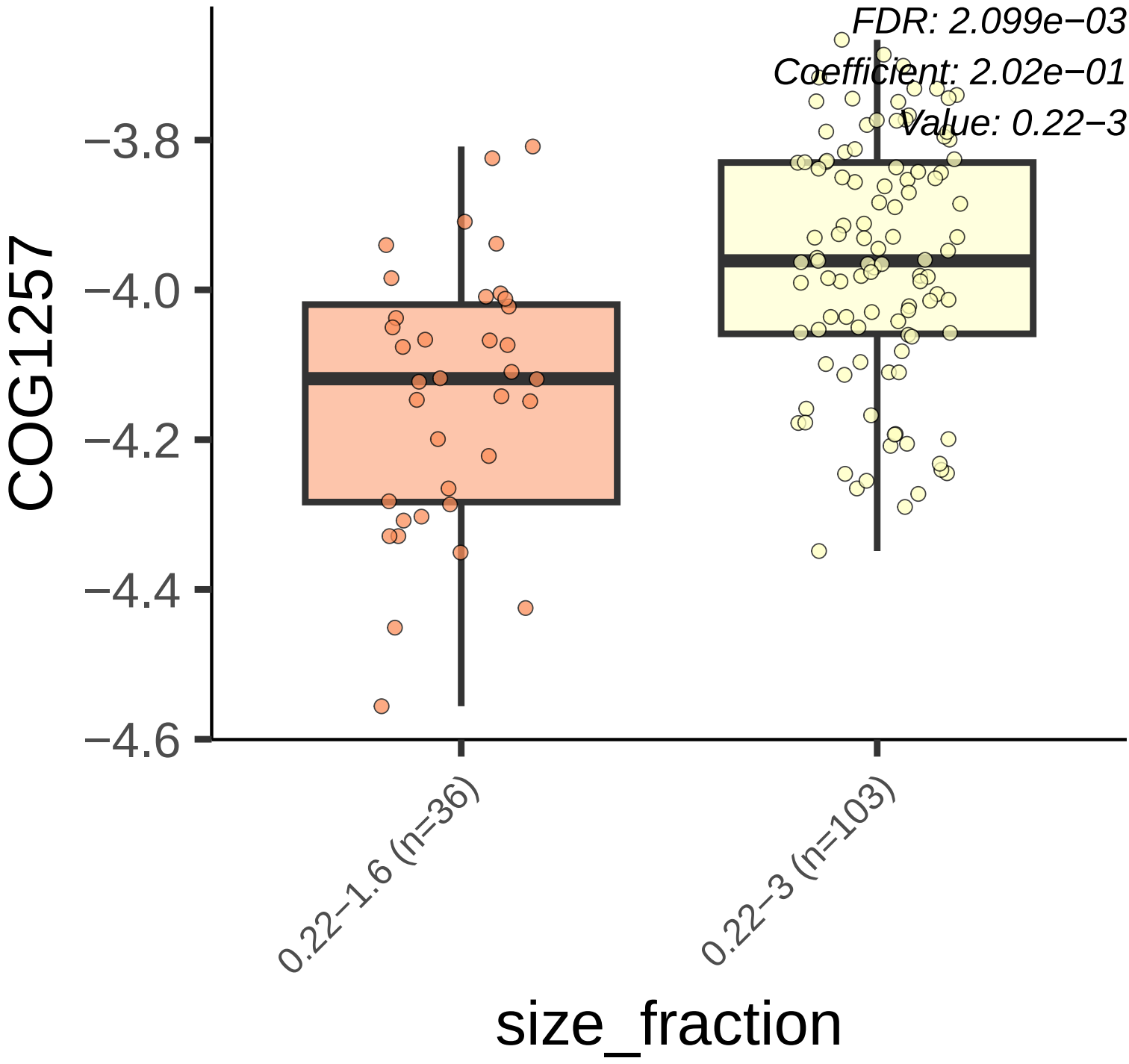
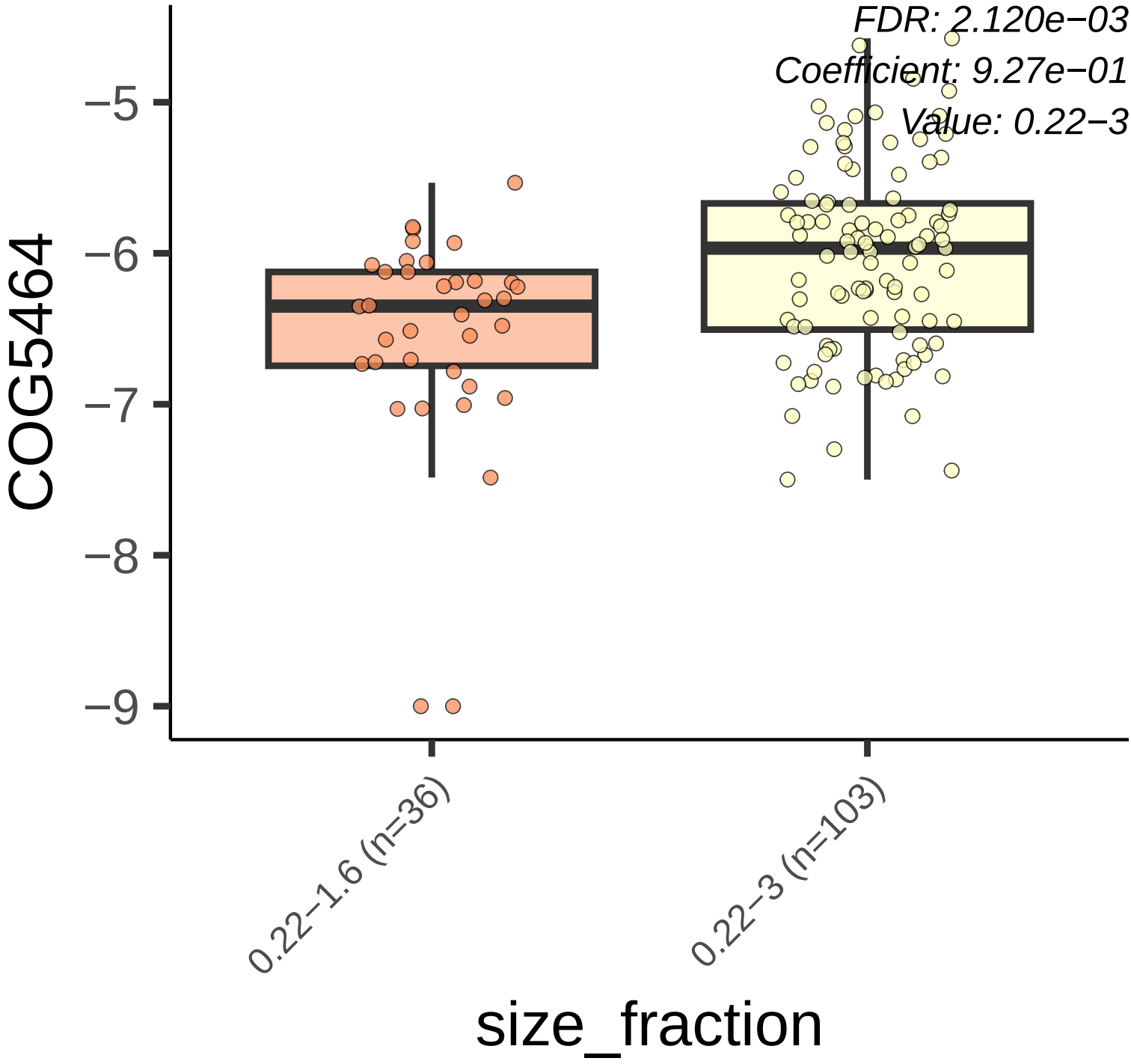
−4.50
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

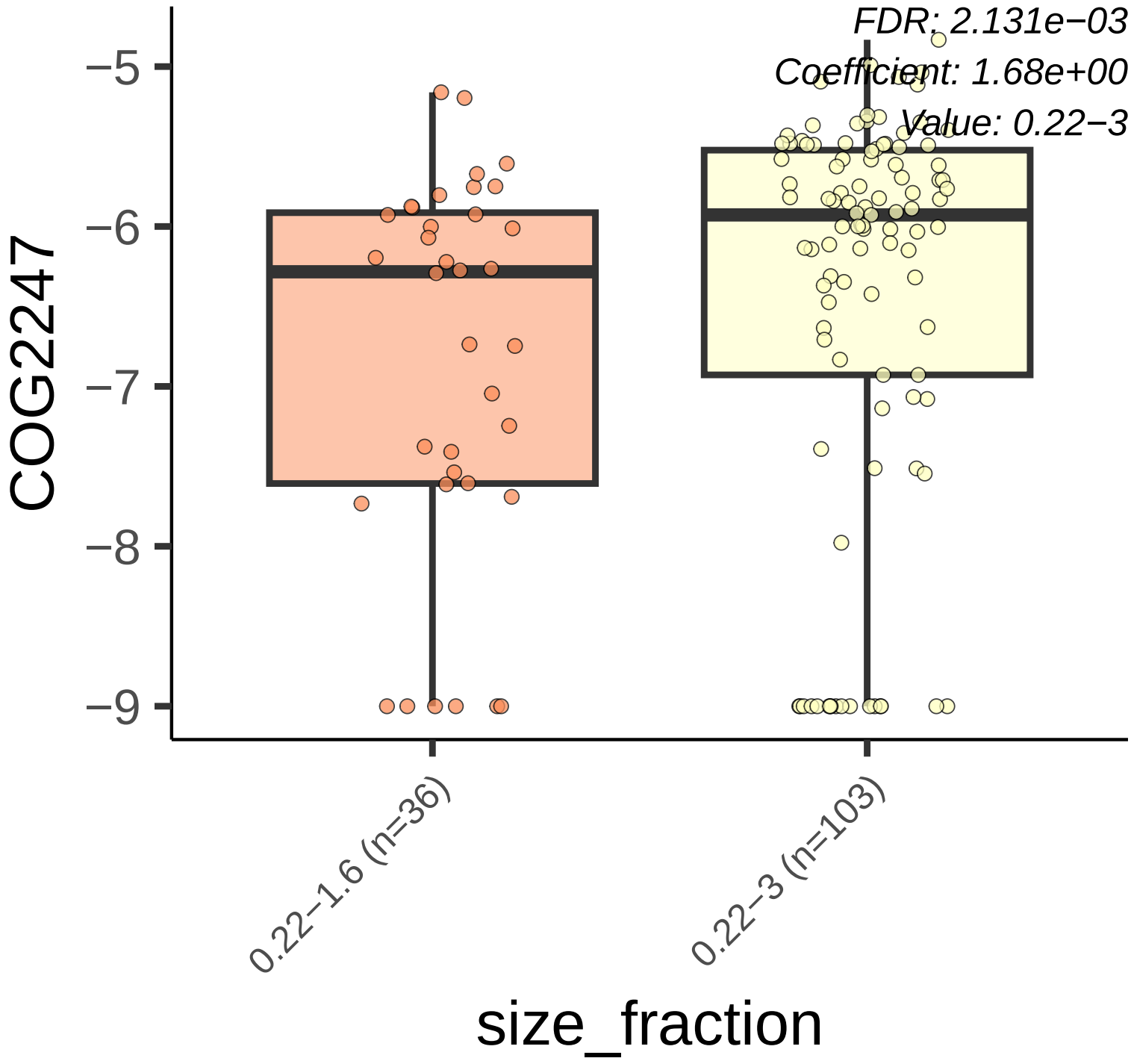

FDR: 1.988e−03
Coefficient: 1.12e+00
Value: 0.22−3
COG3831
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

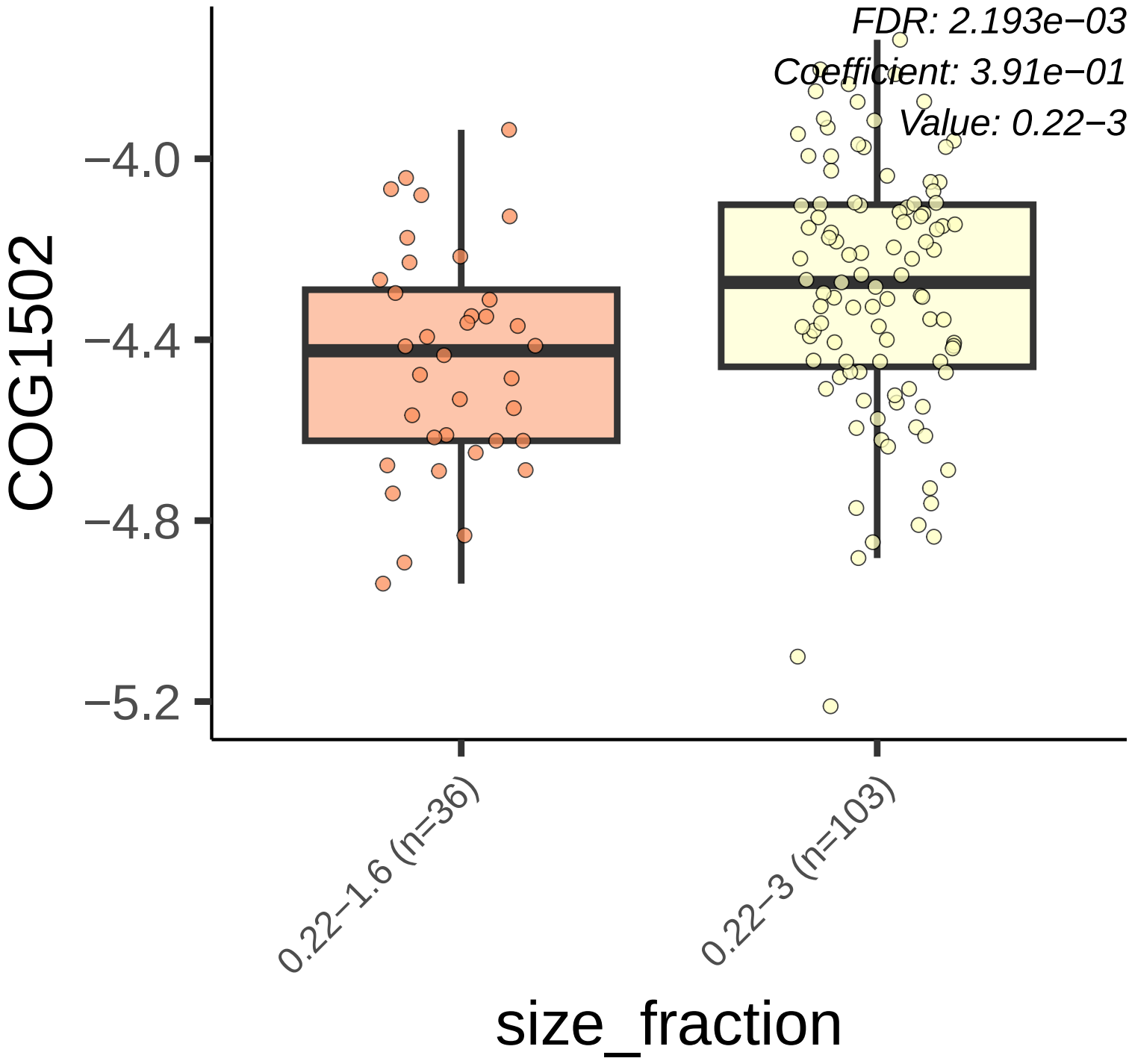

FDR: 1.992e−03
Coefficient: 3.06e−01
Value: 0.22−3
COG3537
−3.5
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

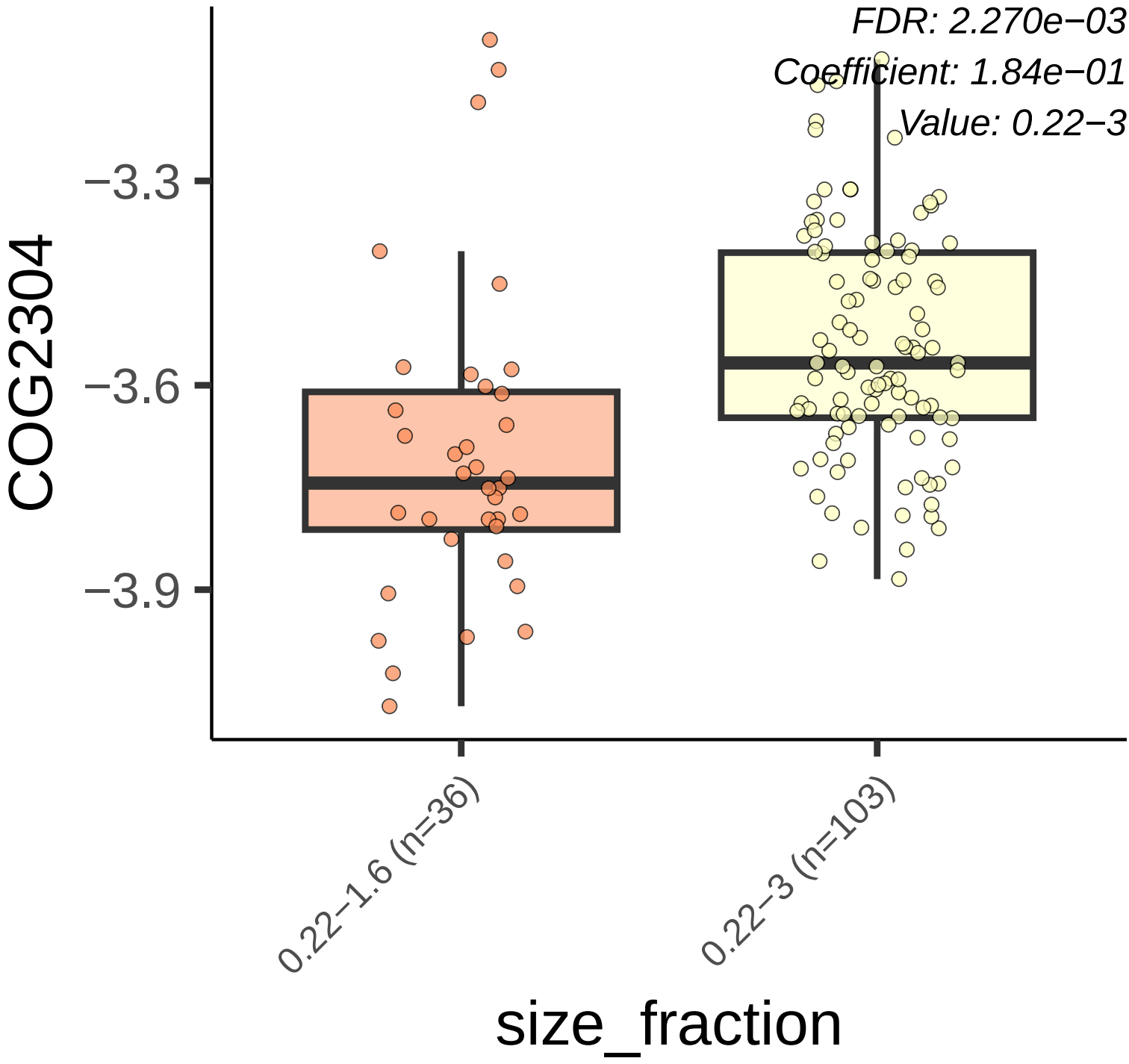

FDR: 2.040e−03
Coefficient: 9.00e−01
Value: 0.22−3
COG4335
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

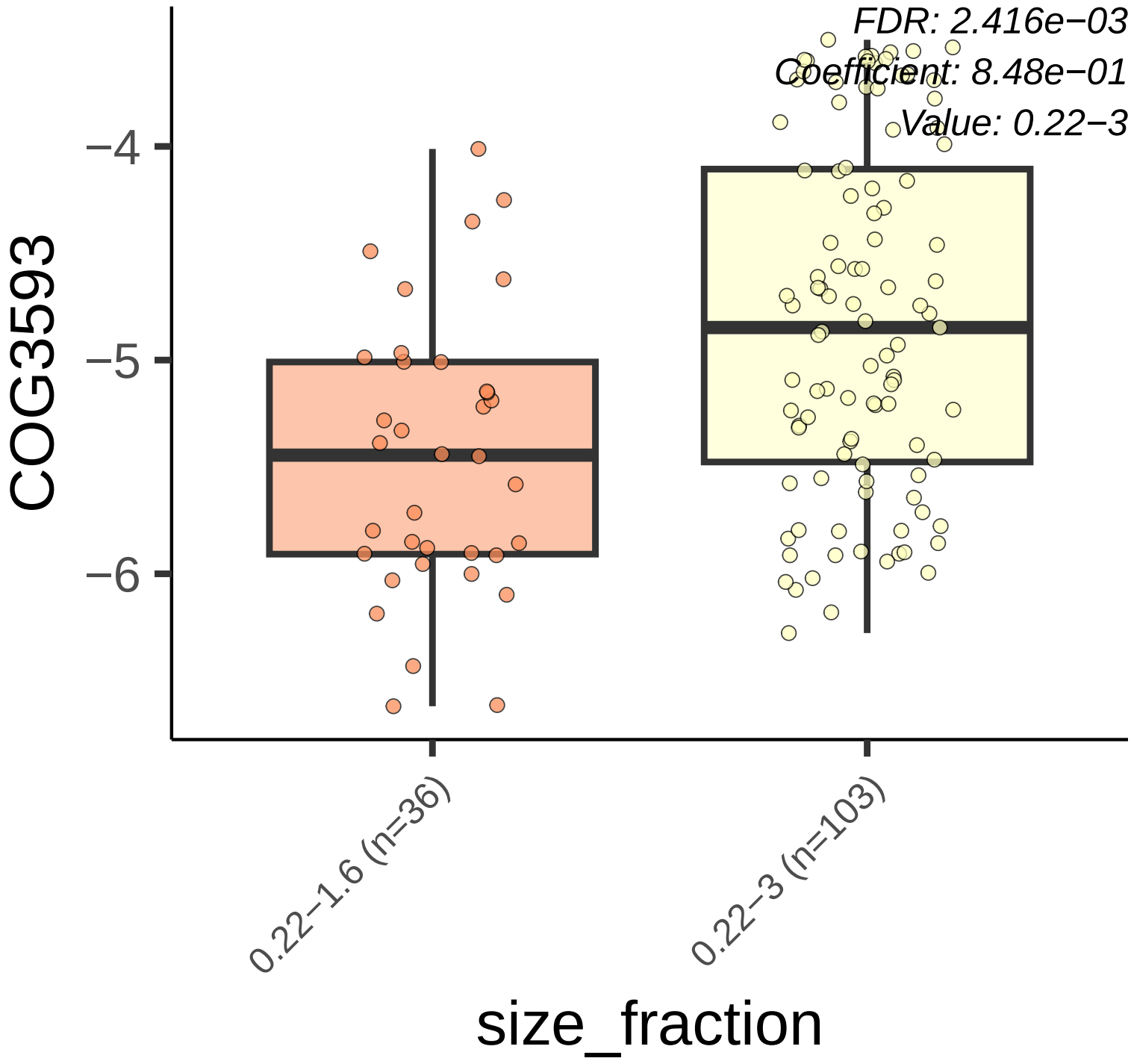

FDR: 2.099e−03
Coefficient: 2.02e−01
Value: 0.22−3
COG1257
−3.8
−4.0
−4.2
−4.4
−4.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

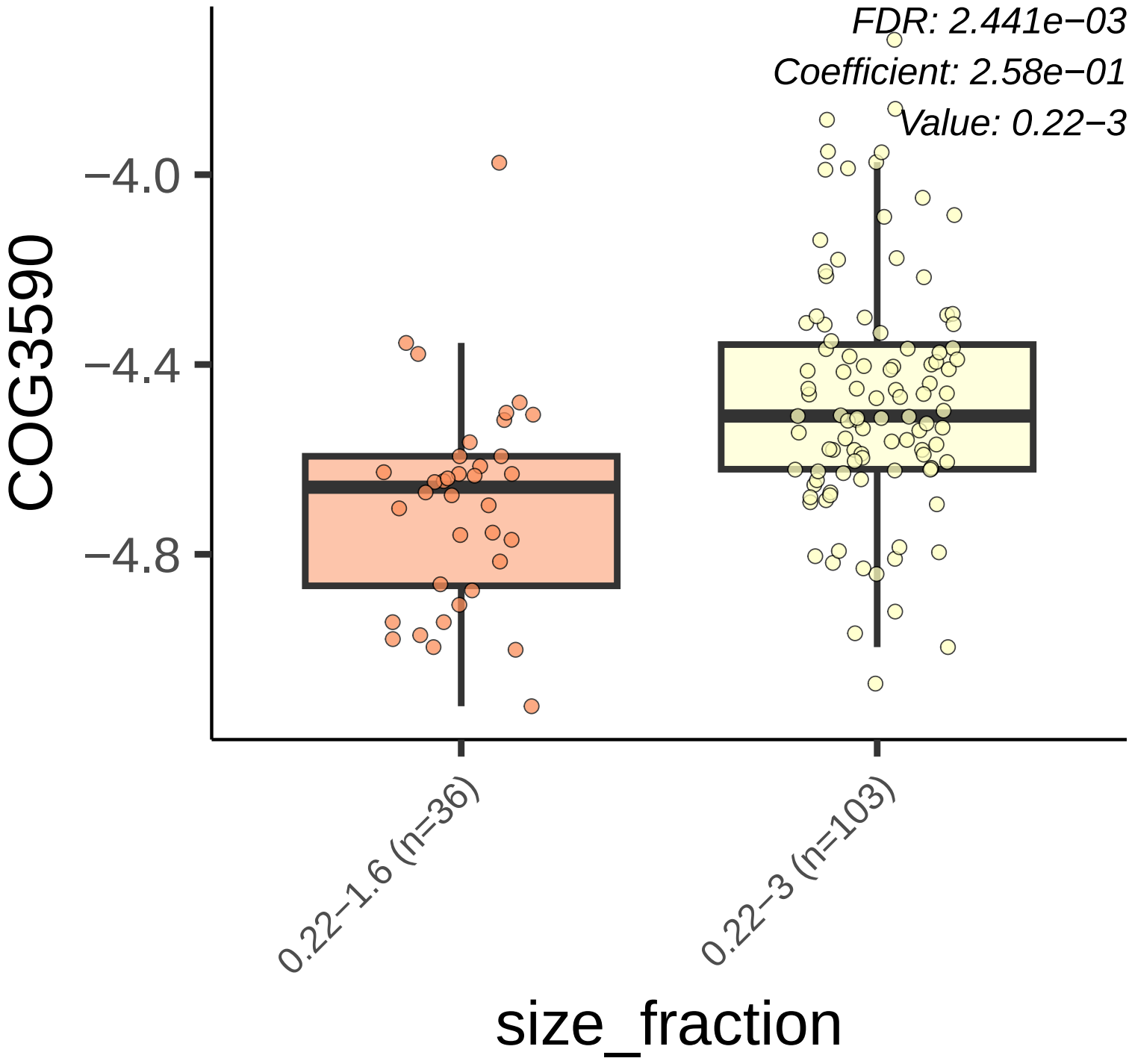

FDR: 2.120e−03
Coefficient: 9.27e−01
Value: 0.22−3
COG5464
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

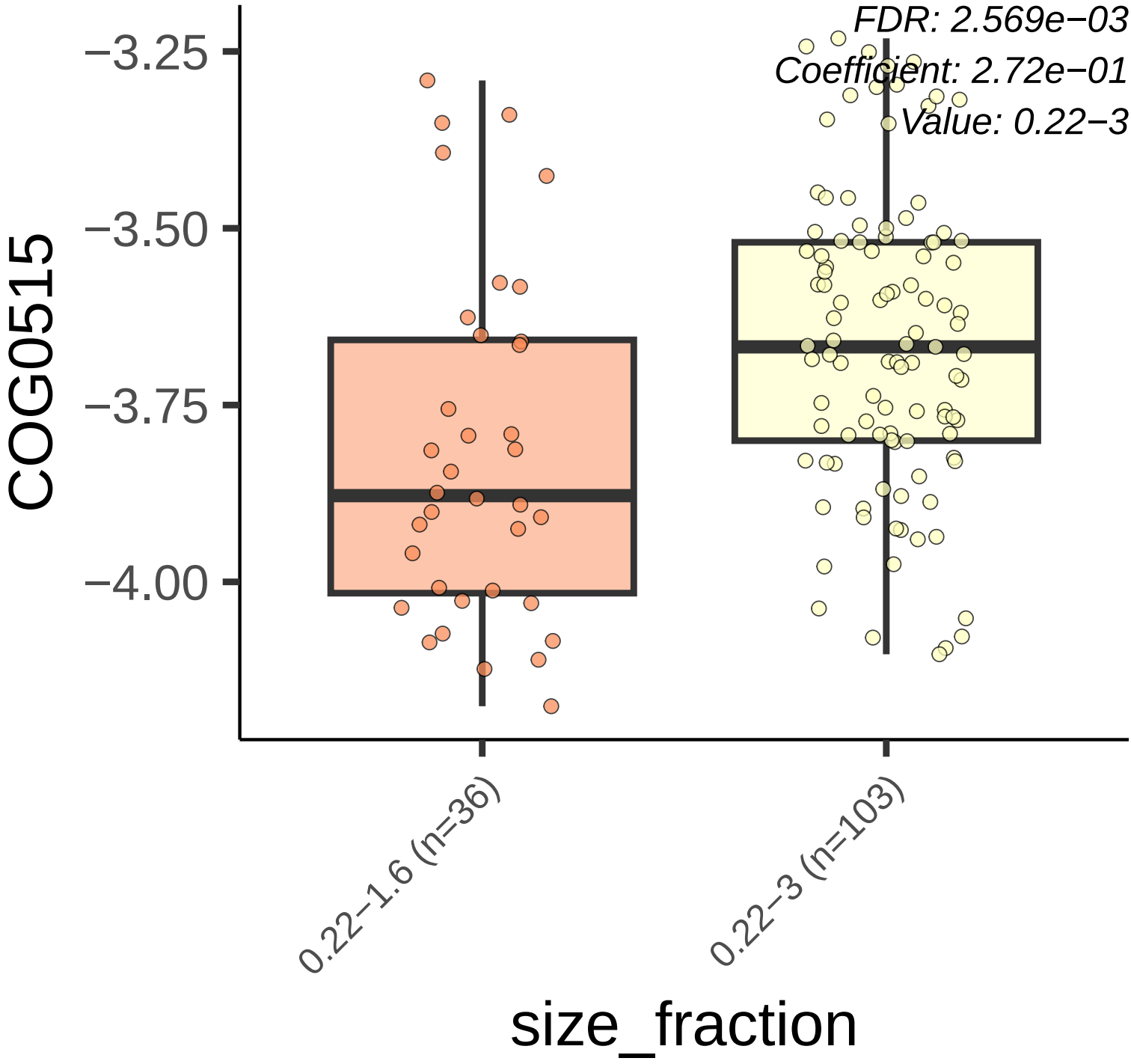

FDR: 2.131e−03
Coefficient: 1.68e+00
Value: 0.22−3
COG2247
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

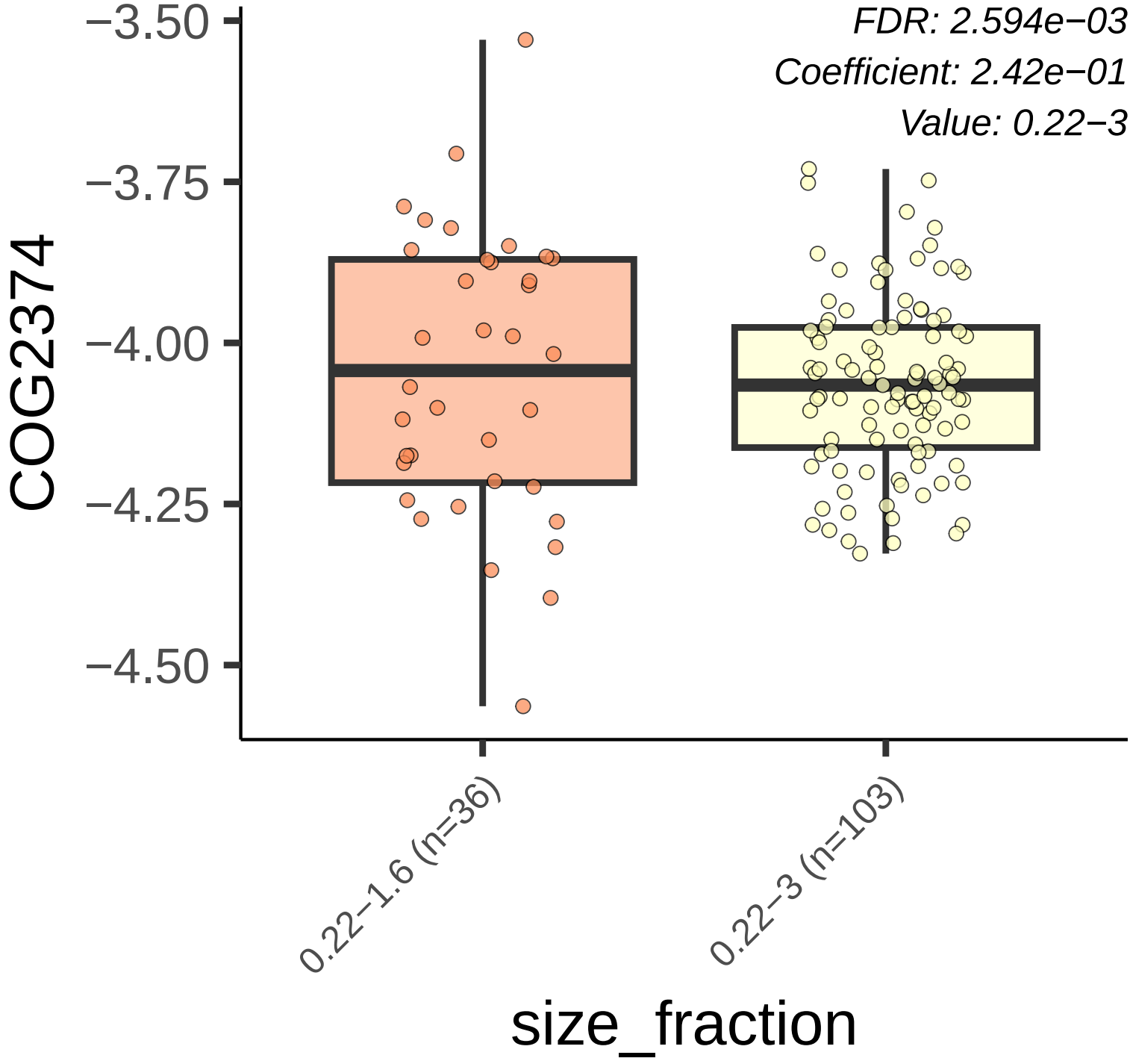

FDR: 2.193e−03
Coefficient: 3.91e−01
Value: 0.22−3
COG1502
−4.0
−4.4
−4.8
−5.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

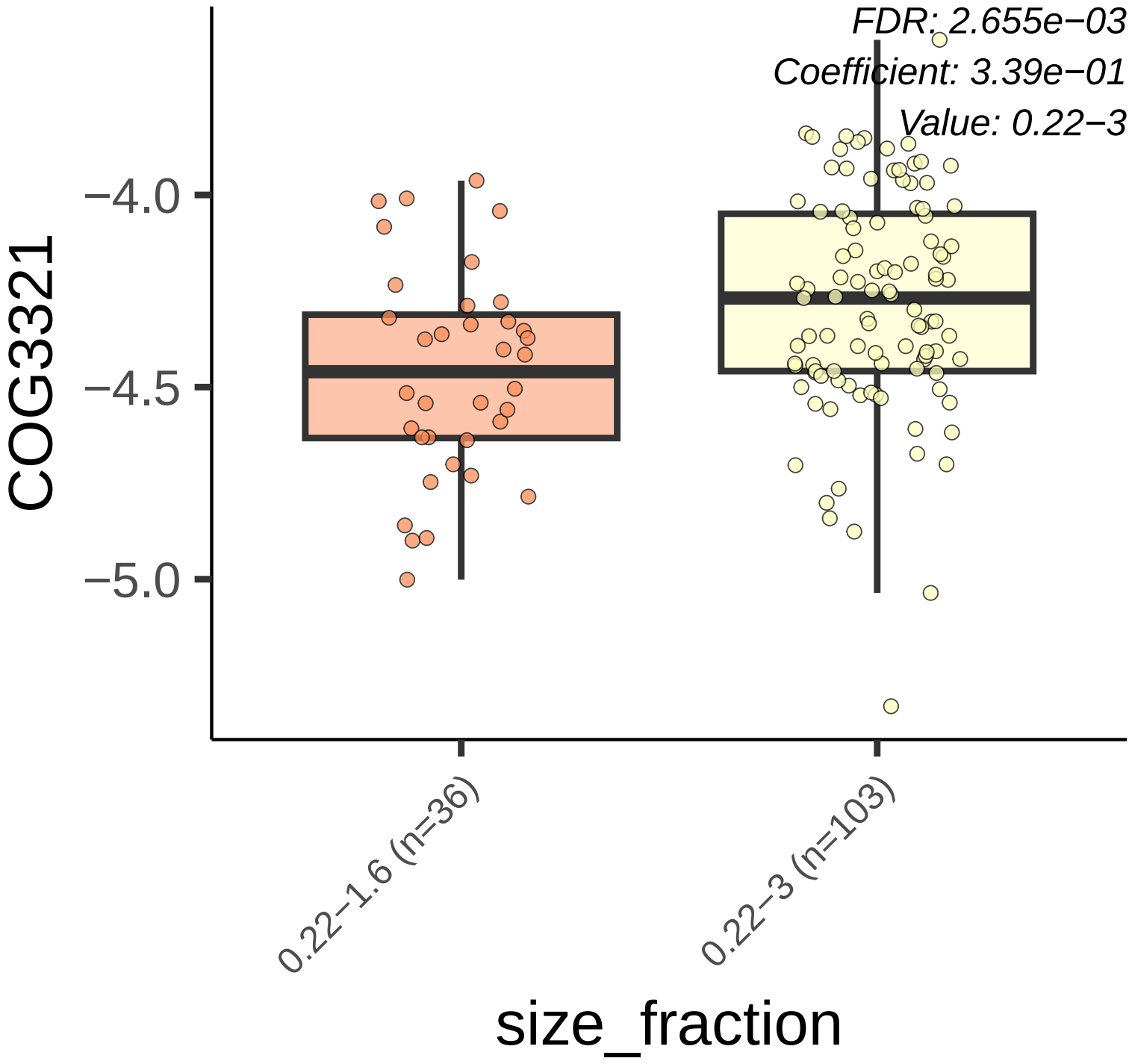

FDR: 2.270e−03
Coefficient: 1.84e−01
Value: 0.22−3
COG2304
−3.3
−3.6
−3.9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

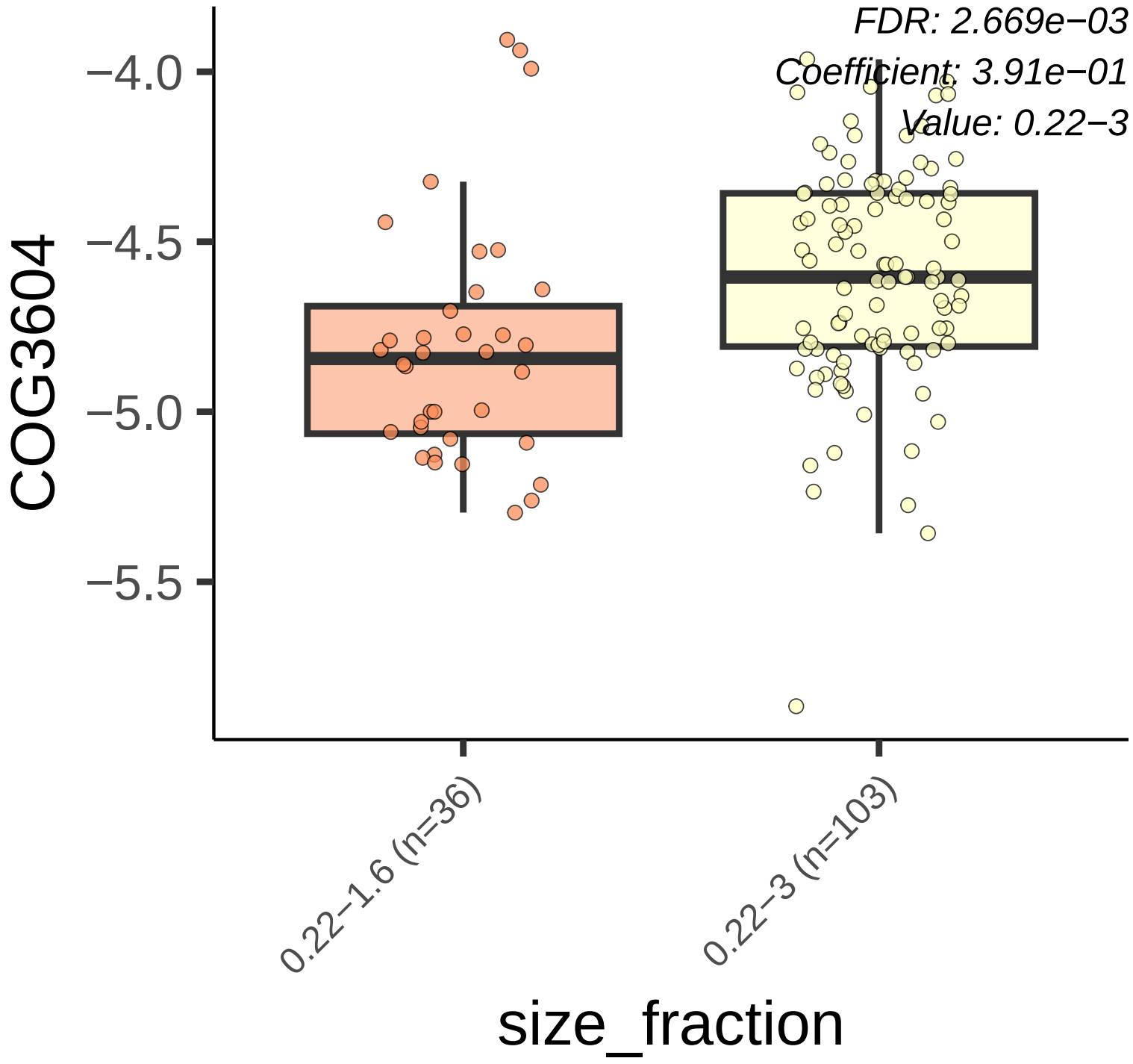

FDR: 2.416e−03
Coefficient: 8.48e−01
Value: 0.22−3
COG3593
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

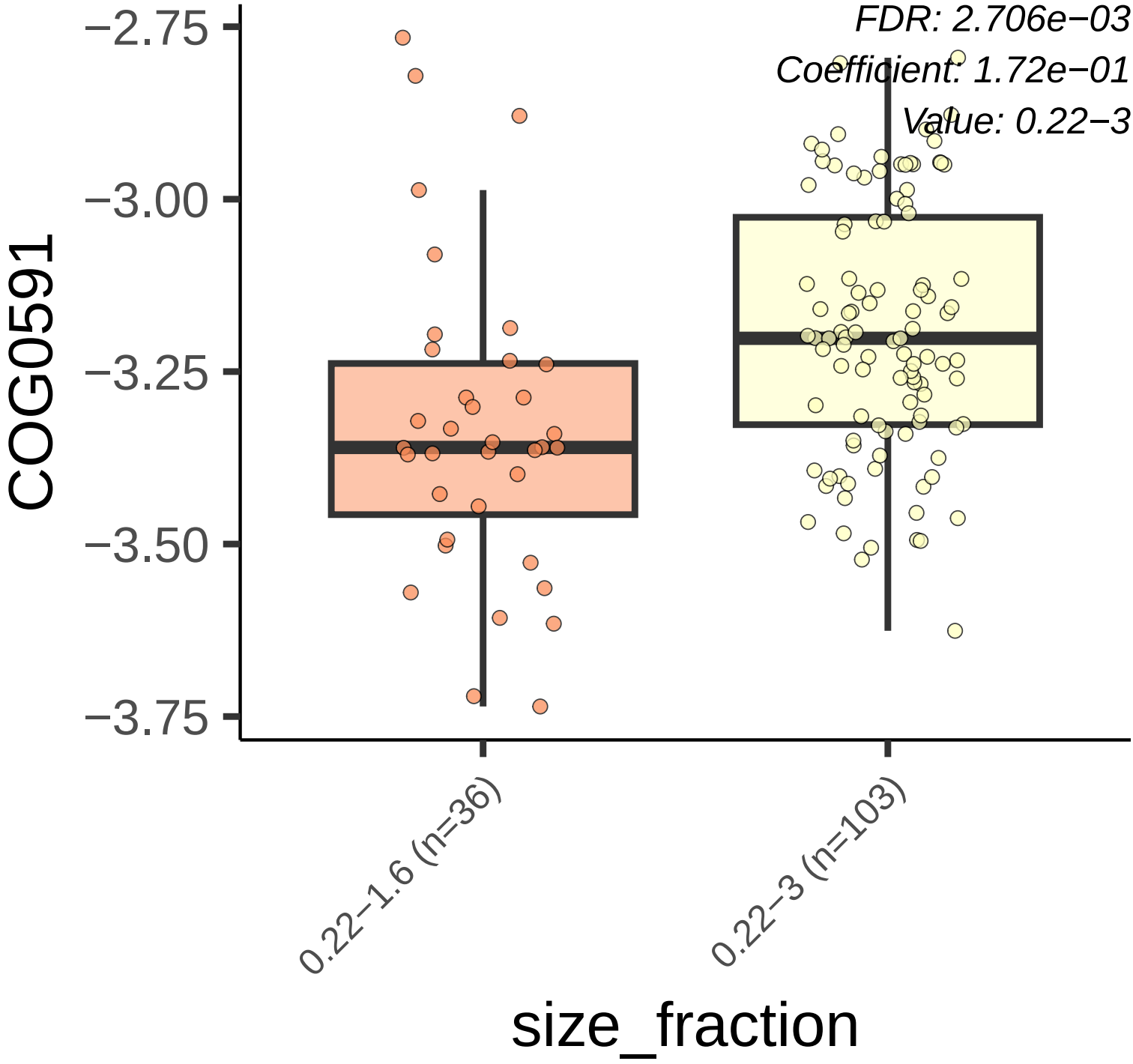

FDR: 2.441e−03
Coefficient: 2.58e−01
Value: 0.22−3
COG3590
−4.0
−4.4
−4.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

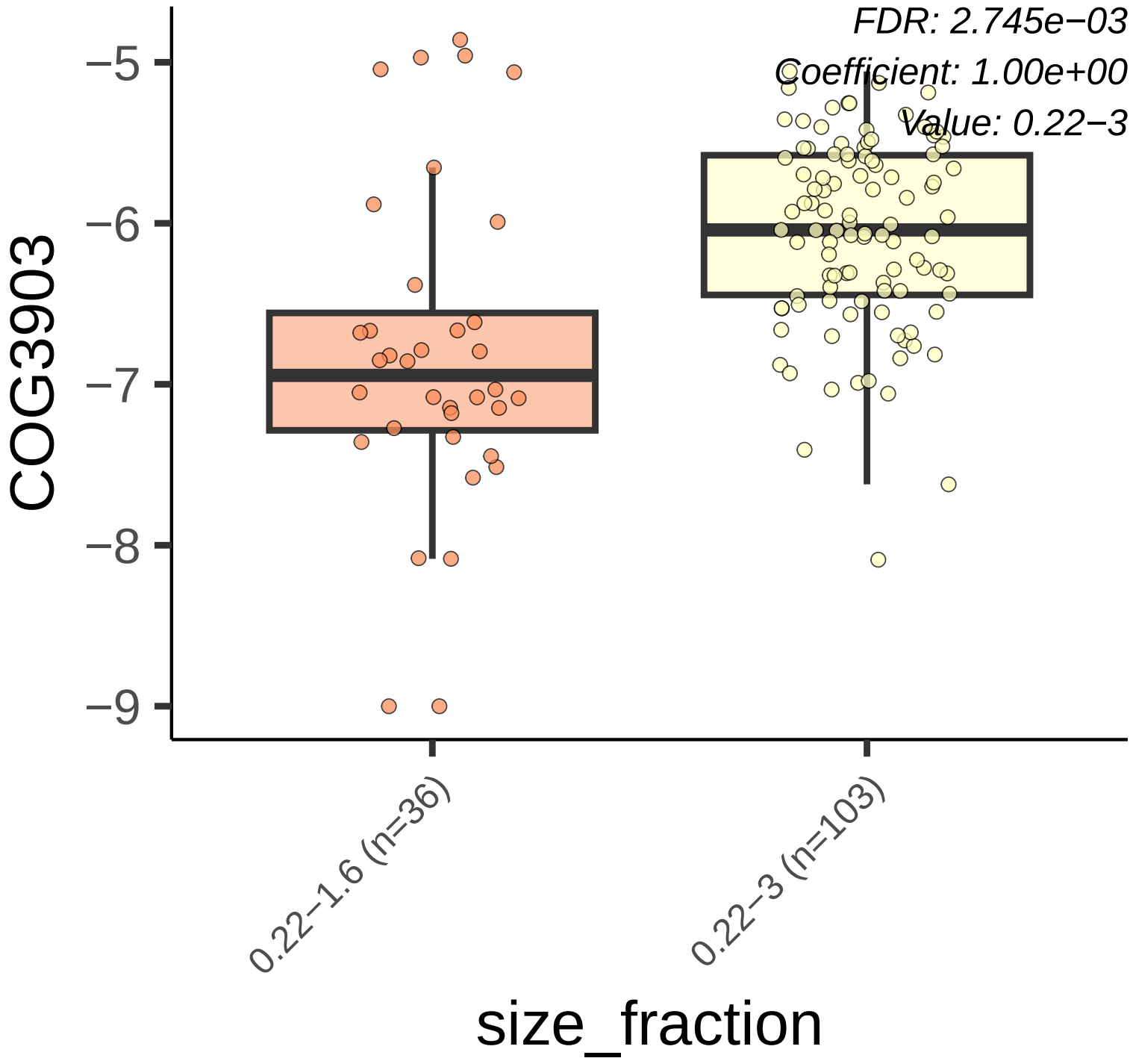

FDR: 2.569e−03
Coefficient: 2.72e−01
Value: 0.22−3
−3.25
−3.50
−3.75
−4.00
COG0515
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

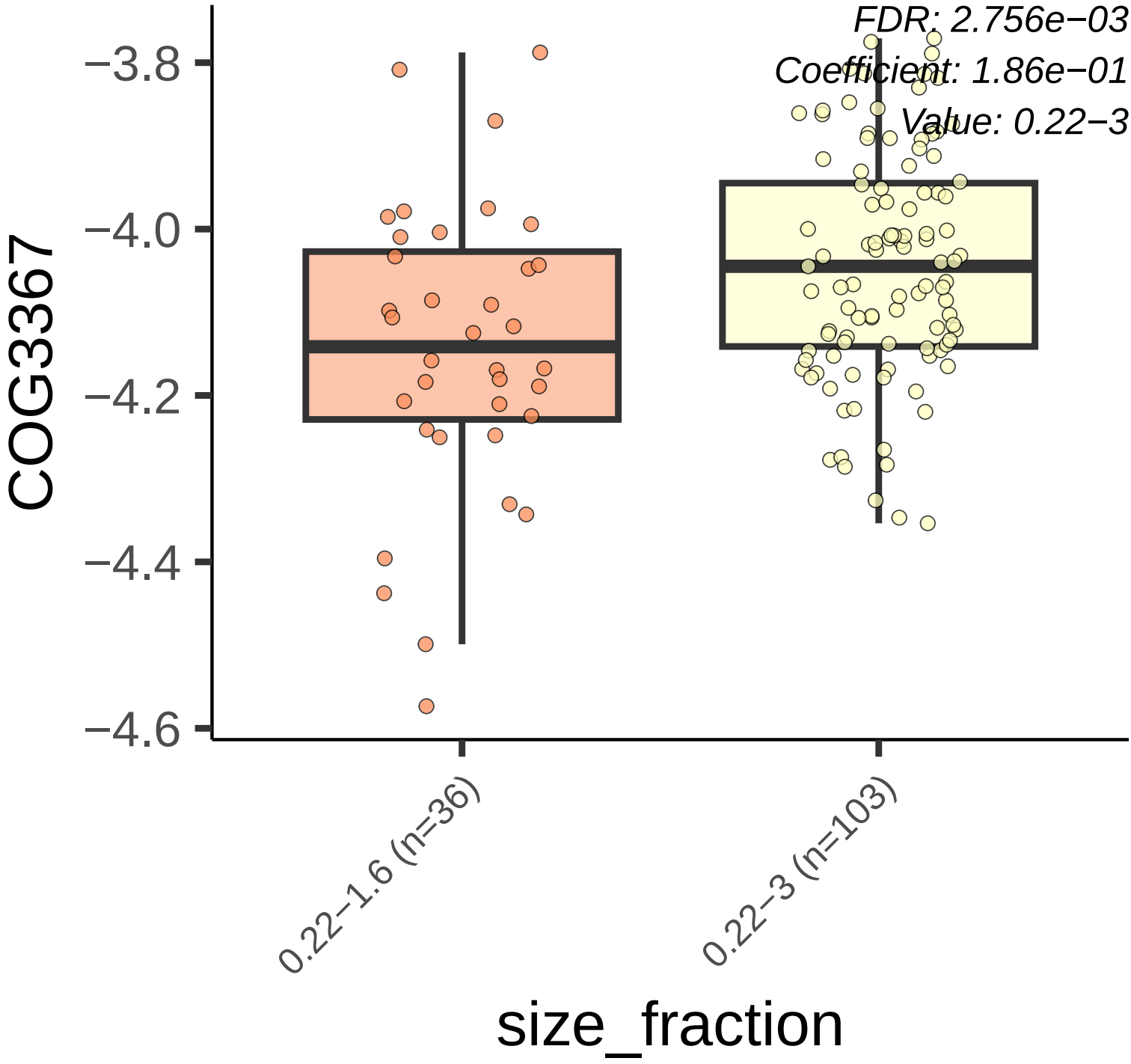

FDR: 2.594e−03
Coefficient: 2.42e−01
Value: 0.22−3
COG2374
−3.50
−3.75
−4.00
−4.25
−4.50
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

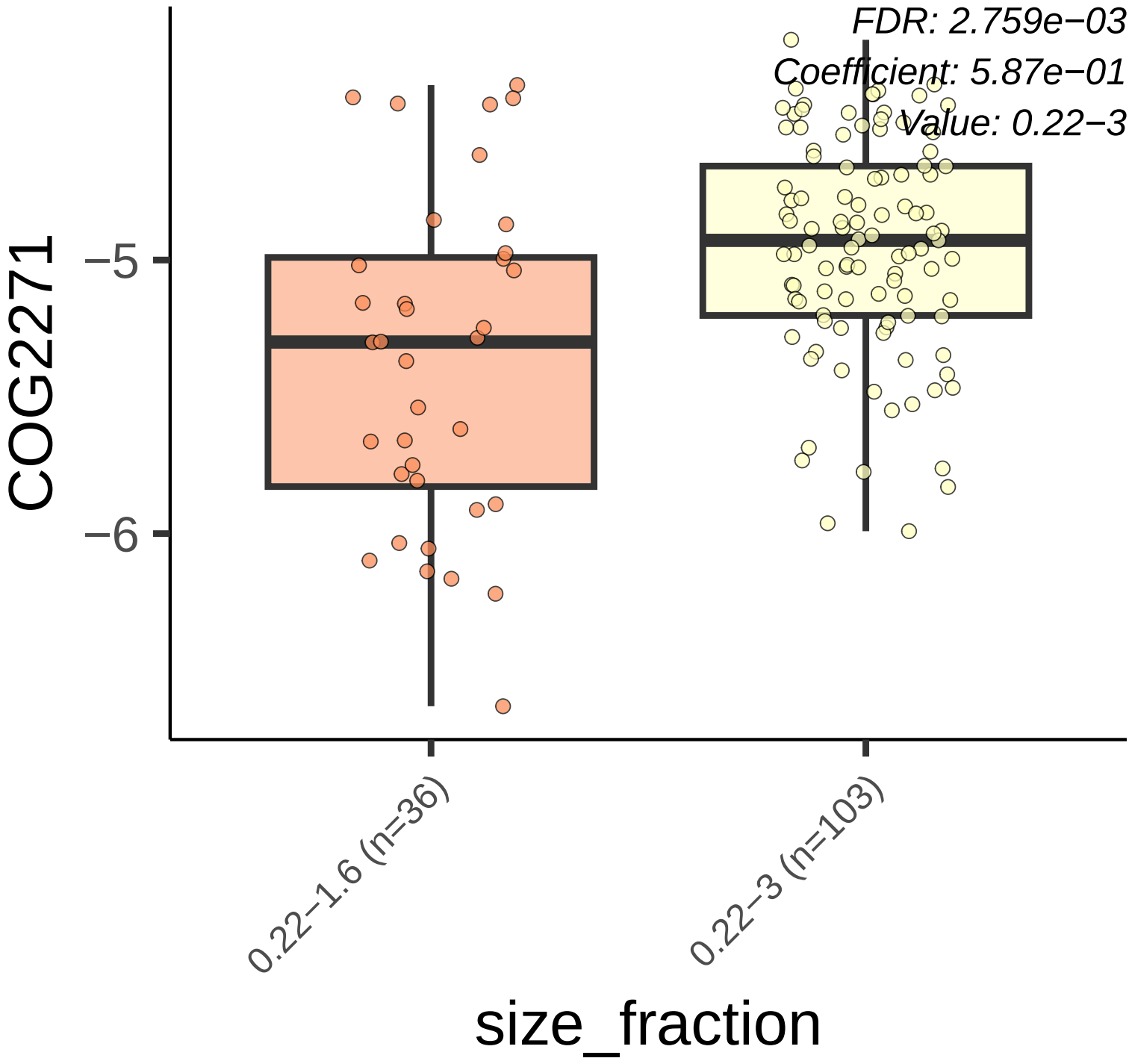

FDR: 2.655e−03
Coefficient: 3.39e−01
Value: 0.22−3
COG3321
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

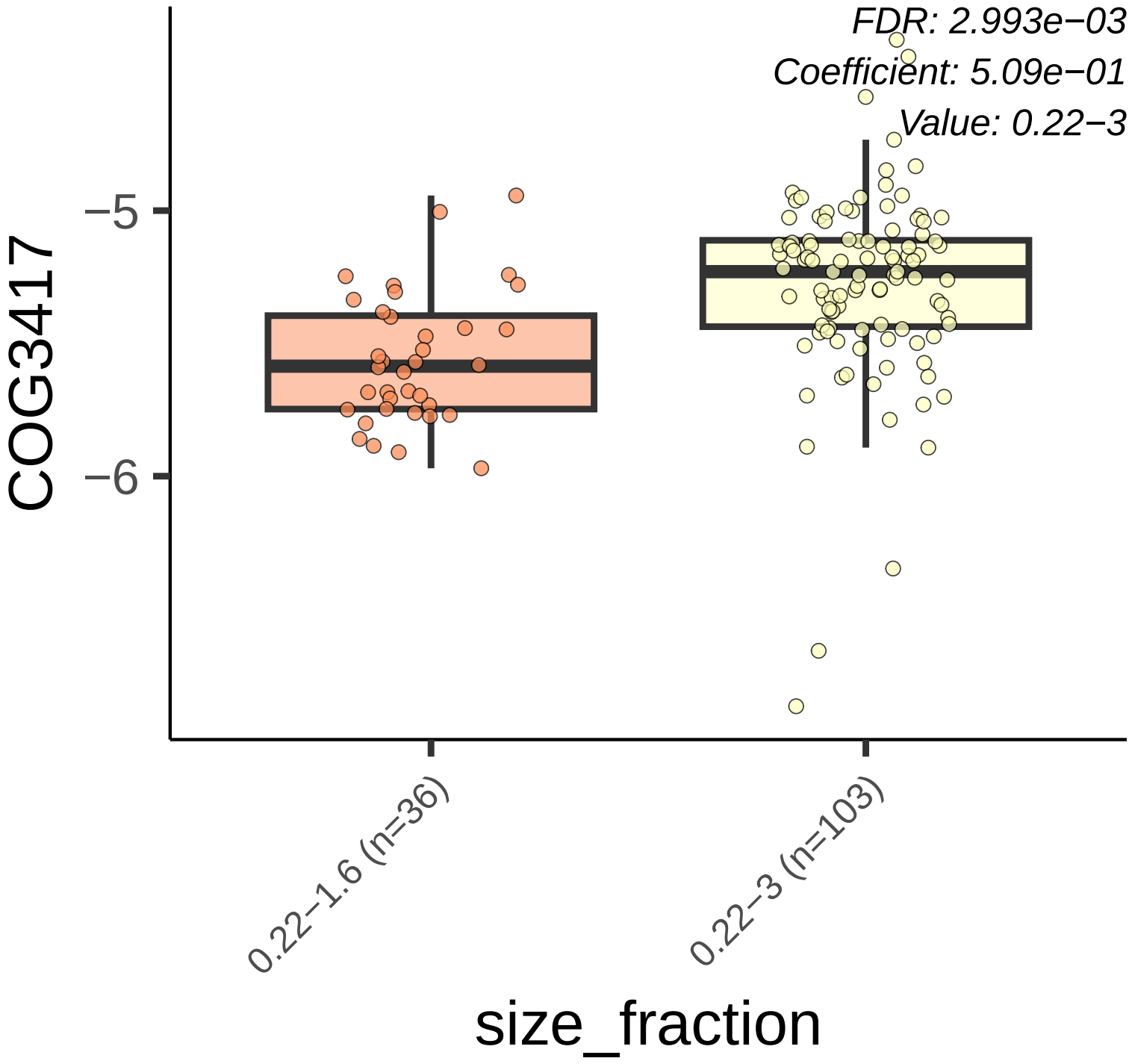

FDR: 2.669e−03
Coefficient: 3.91e−01
Value: 0.22−3
−4.0
−4.5
−5.0
−5.5
COG3604
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

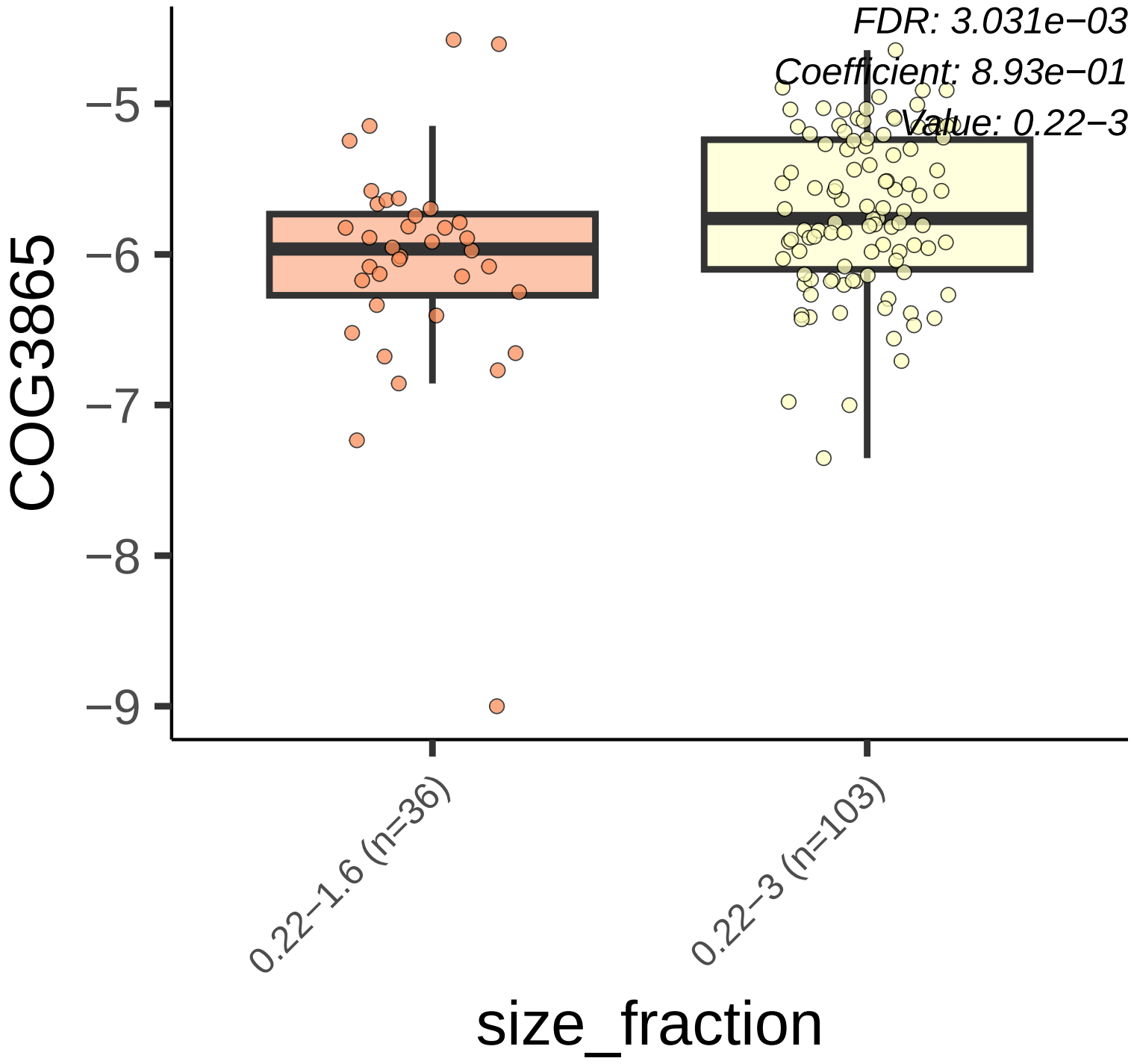

FDR: 2.706e−03
Coefficient: 1.72e−01
Value: 0.22−3
COG0591
−2.75
−3.00
−3.25
−3.50
−3.75
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

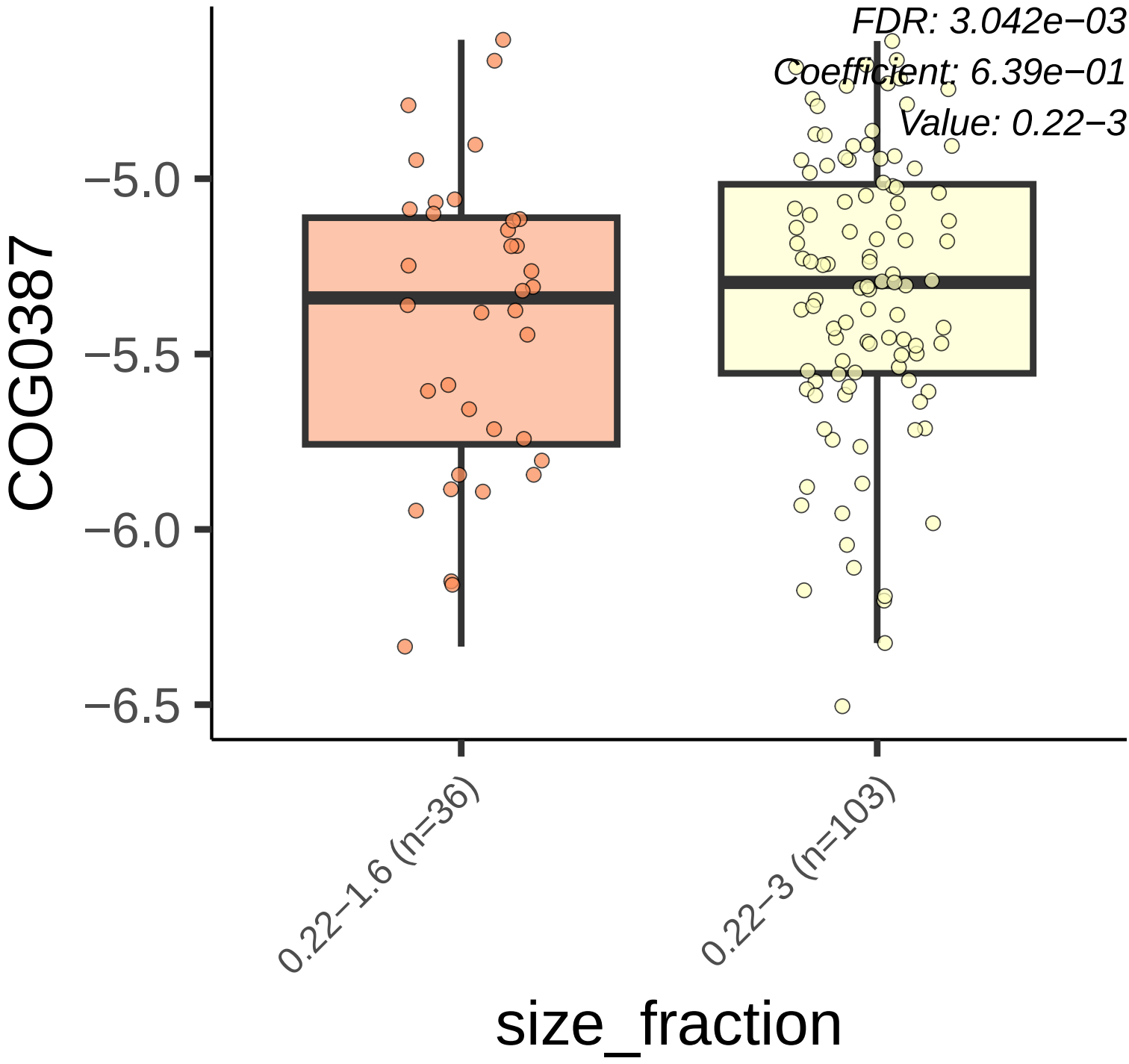

FDR: 2.745e−03
Coefficient: 1.00e+00
Value: 0.22−3
COG3903
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

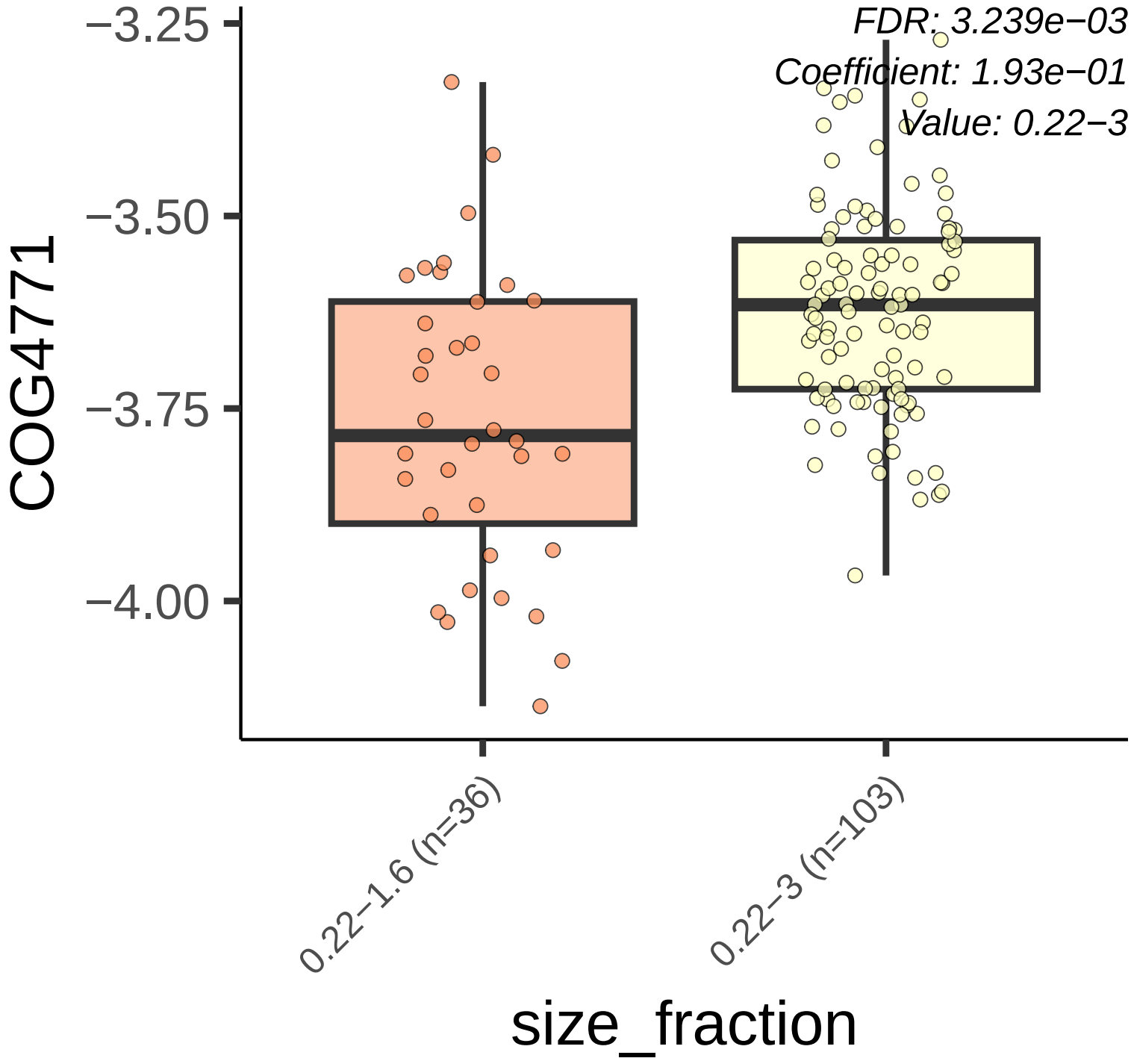

FDR: 2.756e−03
Coefficient: 1.86e−01
Value: 0.22−3
COG3367
−3.8
−4.0
−4.2
−4.4
−4.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.759e−03
Coefficient: 5.87e−01
Value: 0.22−3
COG2271
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.993e−03
Coefficient: 5.09e−01
Value: 0.22−3
COG3417
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.031e−03
Coefficient: 8.93e−01
Value: 0.22−3
COG3865
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.042e−03
Coefficient: 6.39e−01
Value: 0.22−3
COG0387
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.239e−03
Coefficient: 1.93e−01
Value: 0.22−3
−3.25
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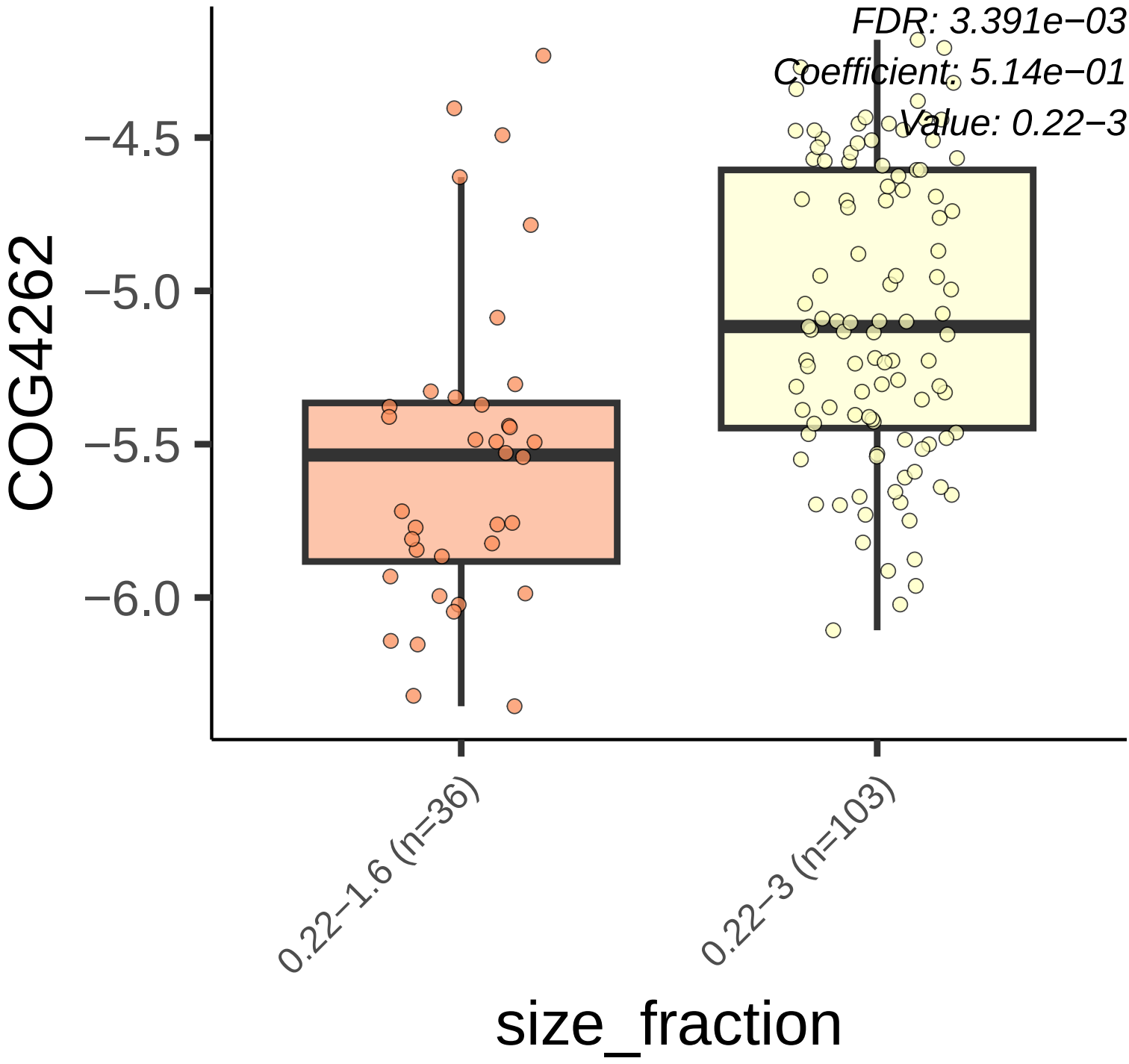
−3.75
−4.00
COG4771
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.391e−03
Coefficient: 5.14e−01
Value: 0.22−3
COG4262
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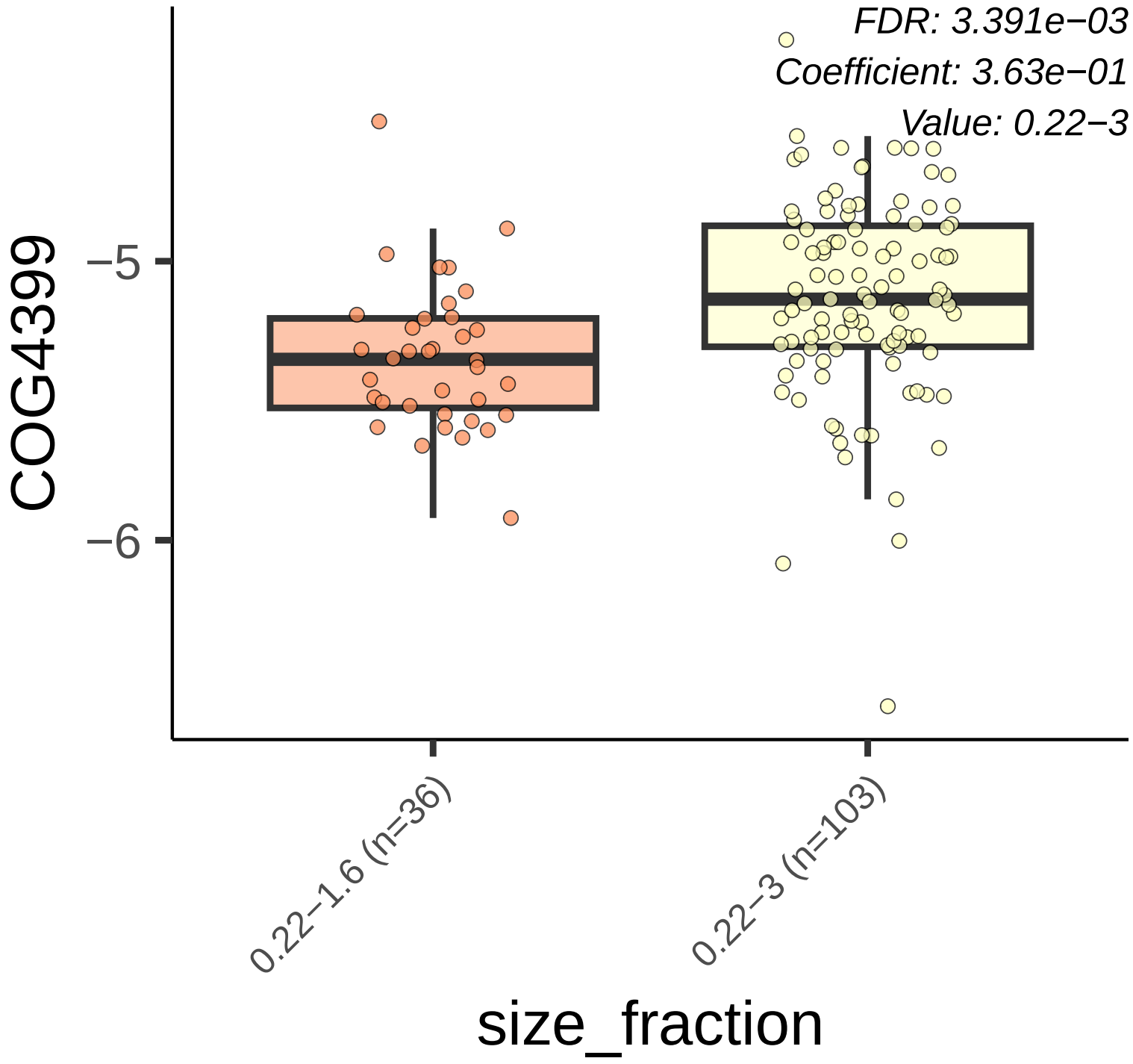
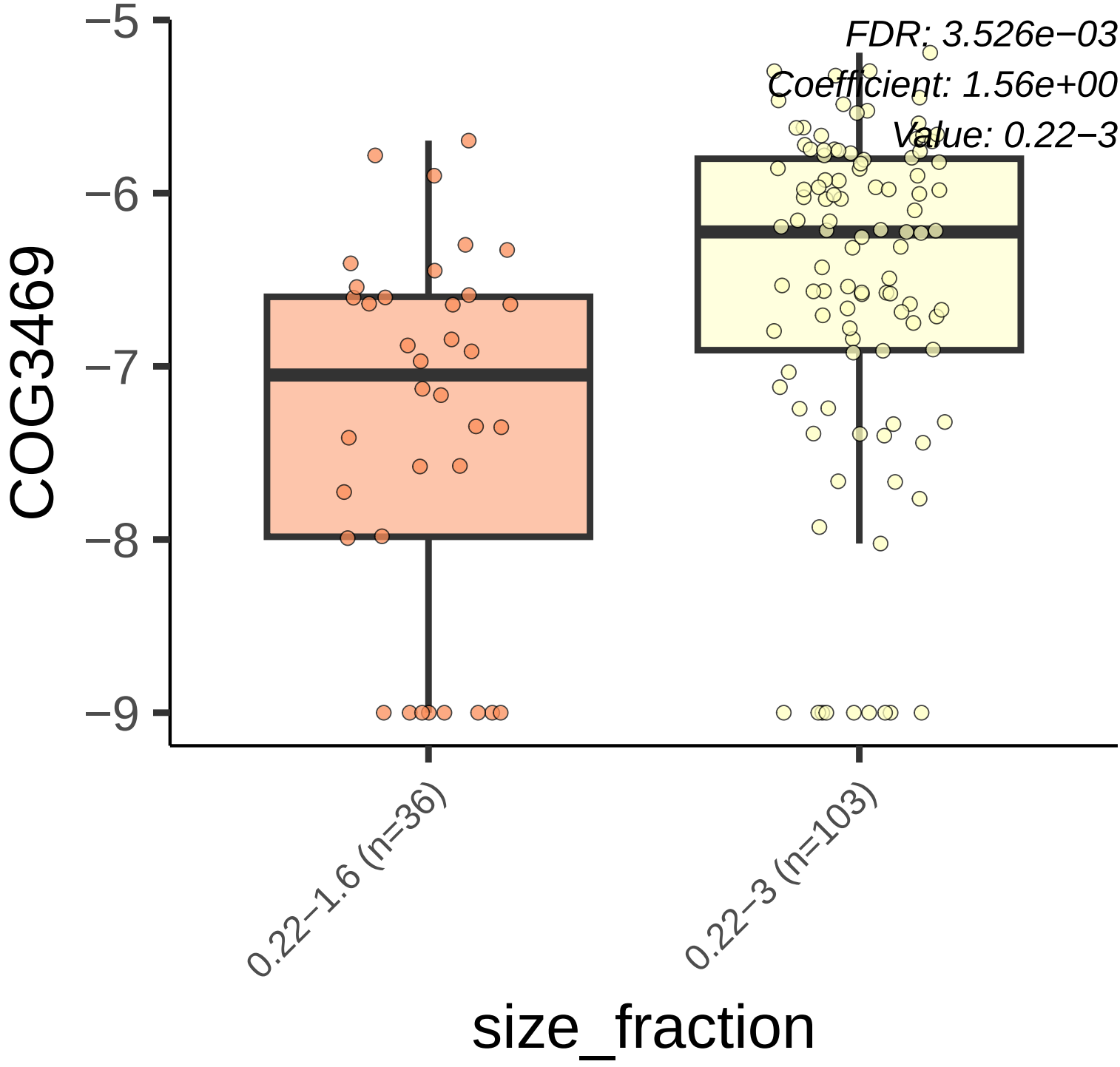
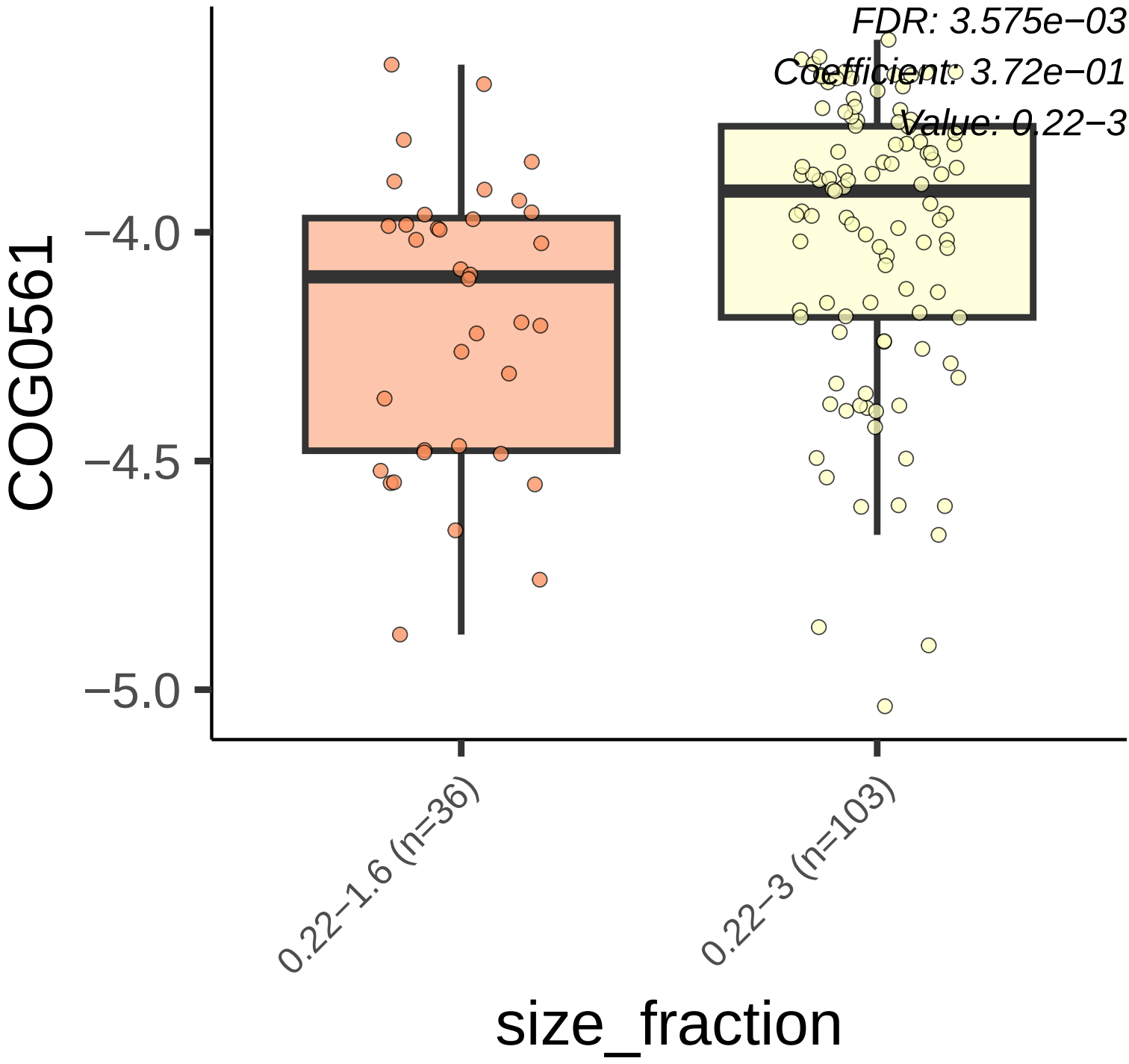
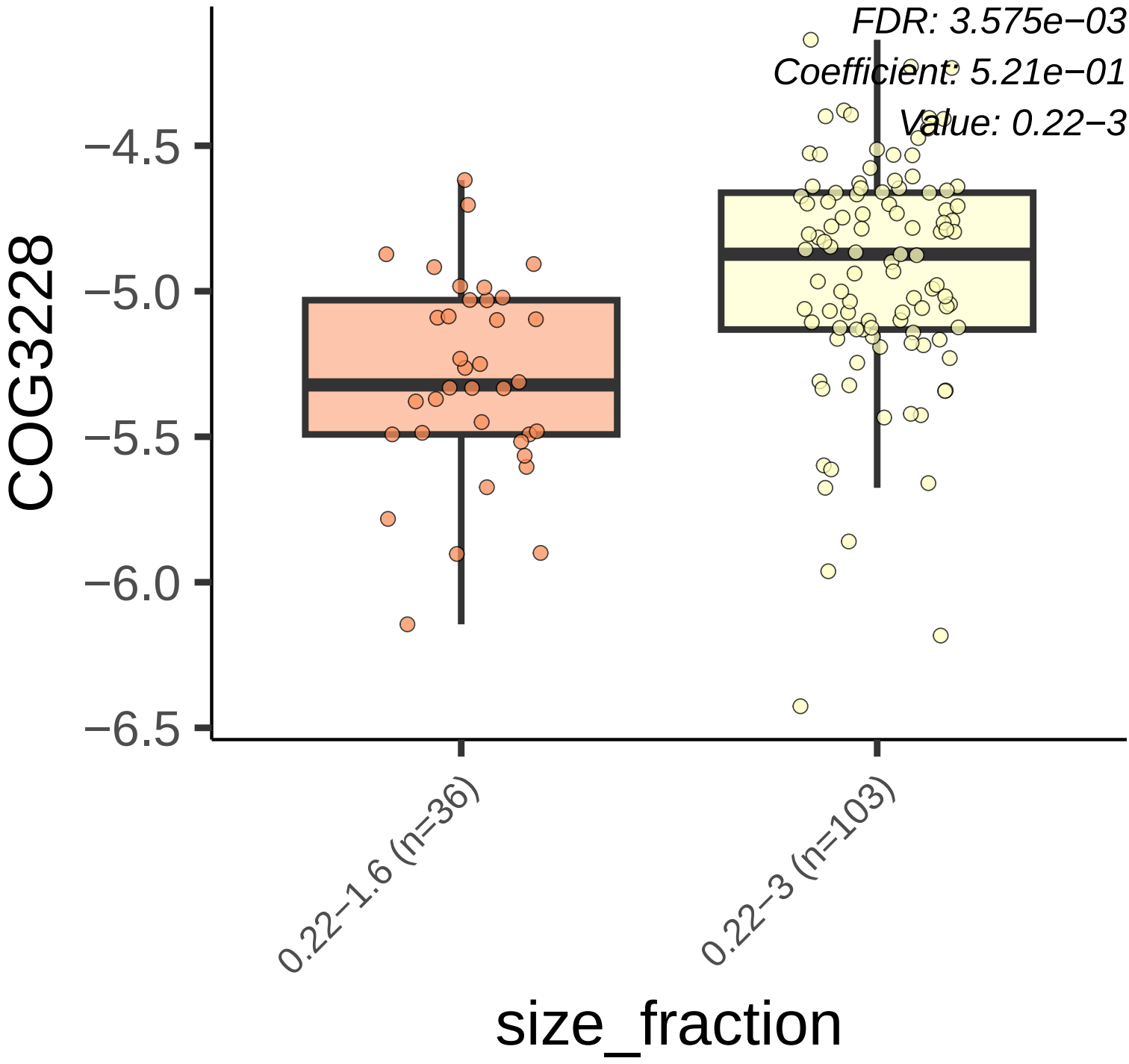
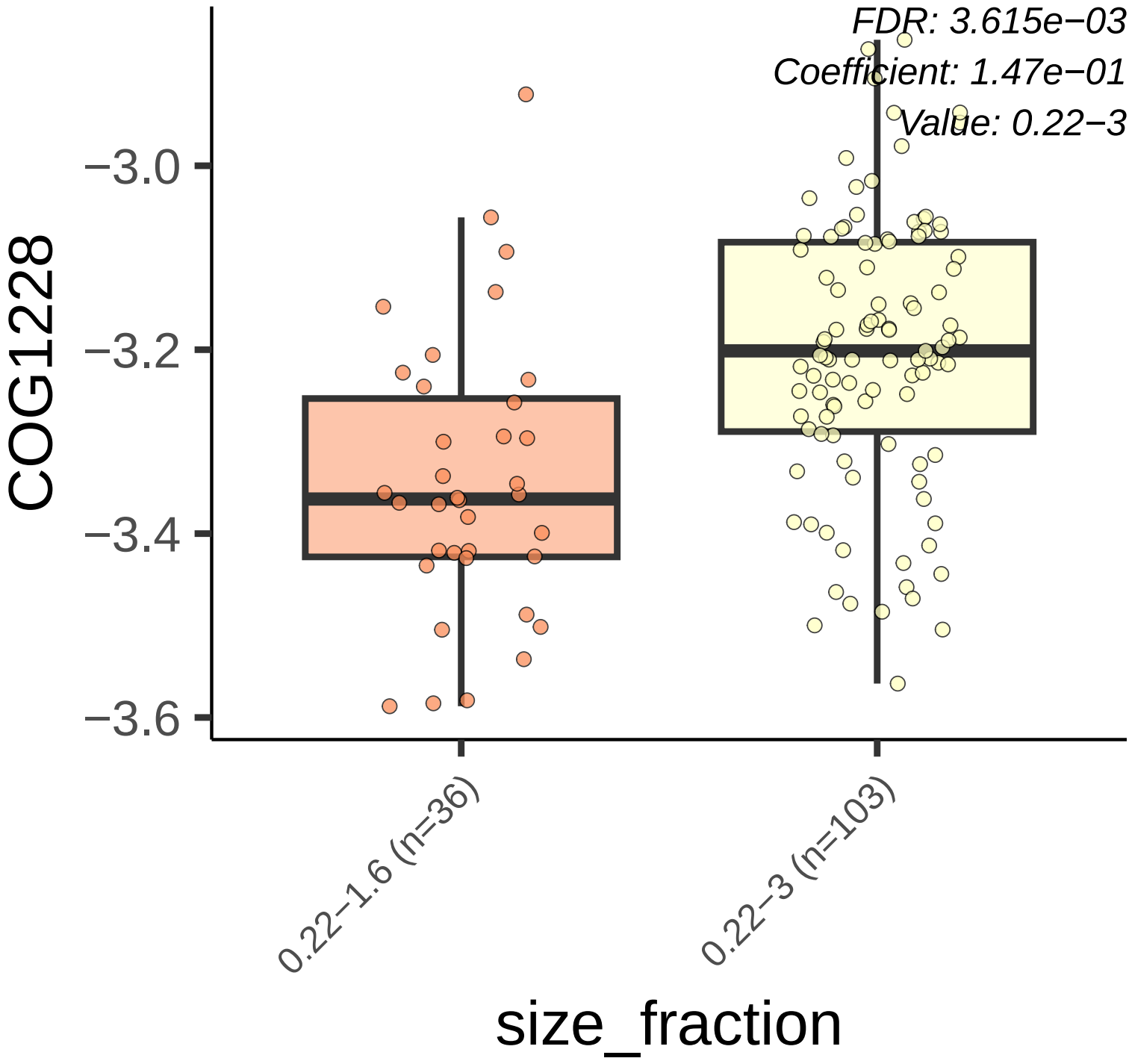
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

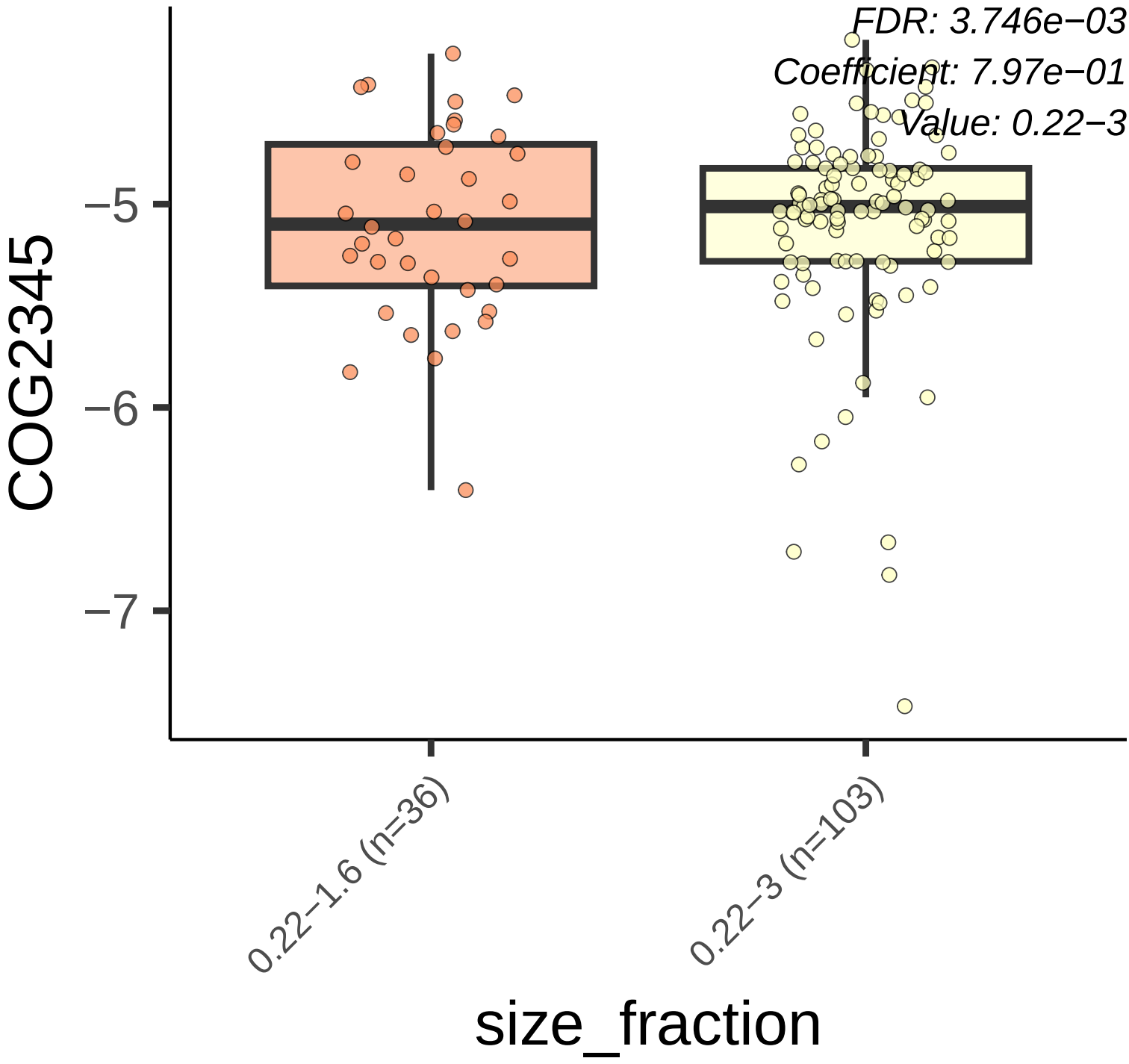

FDR: 3.391e−03
Coefficient: 3.63e−01
Value: 0.22−3
COG4399
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

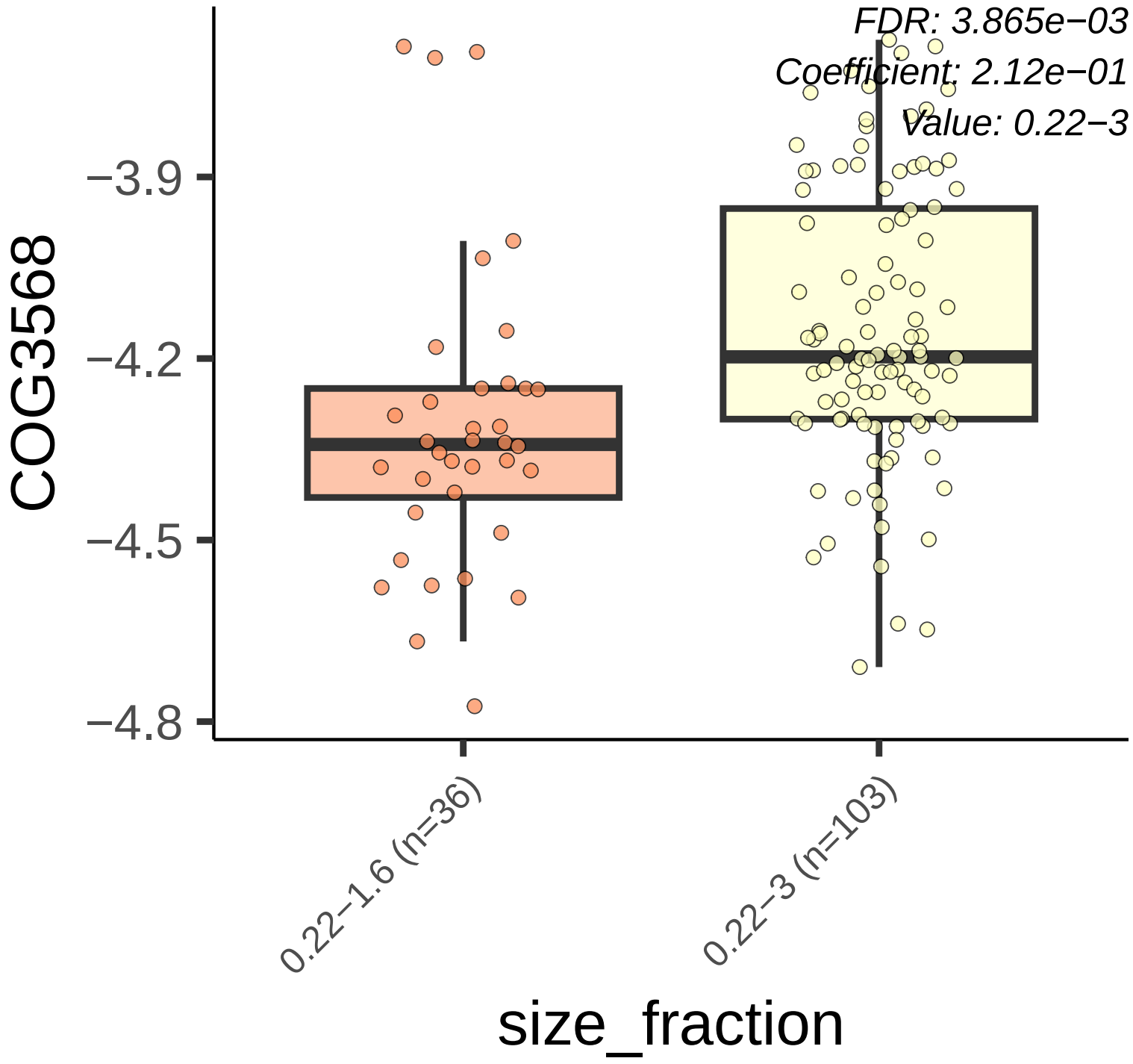

FDR: 3.526e−03
Coefficient: 1.56e+00
Value: 0.22−3
COG3469
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

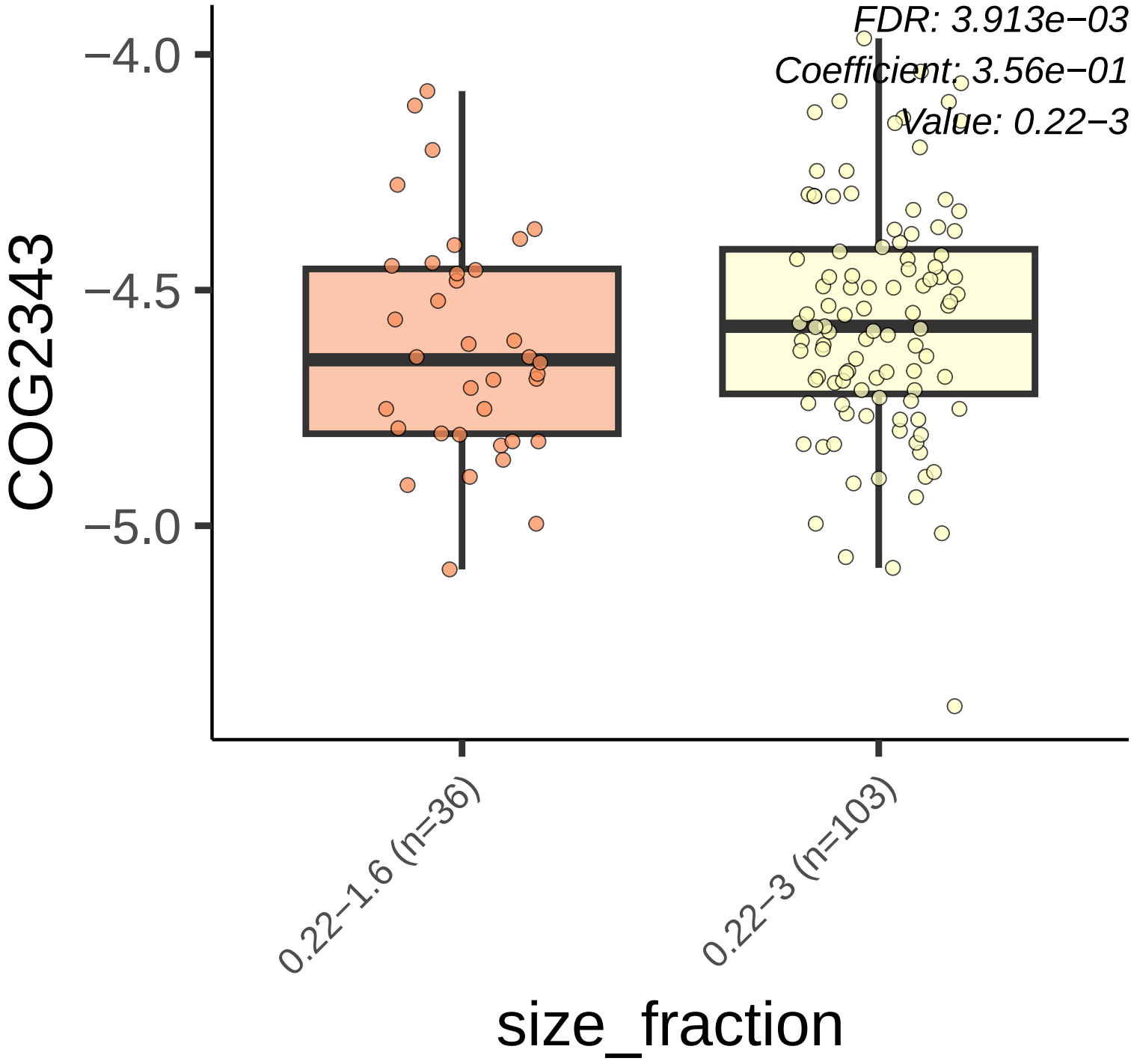

FDR: 3.575e−03
Coefficient: 3.72e−01
Value: 0.22−3
COG0561
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

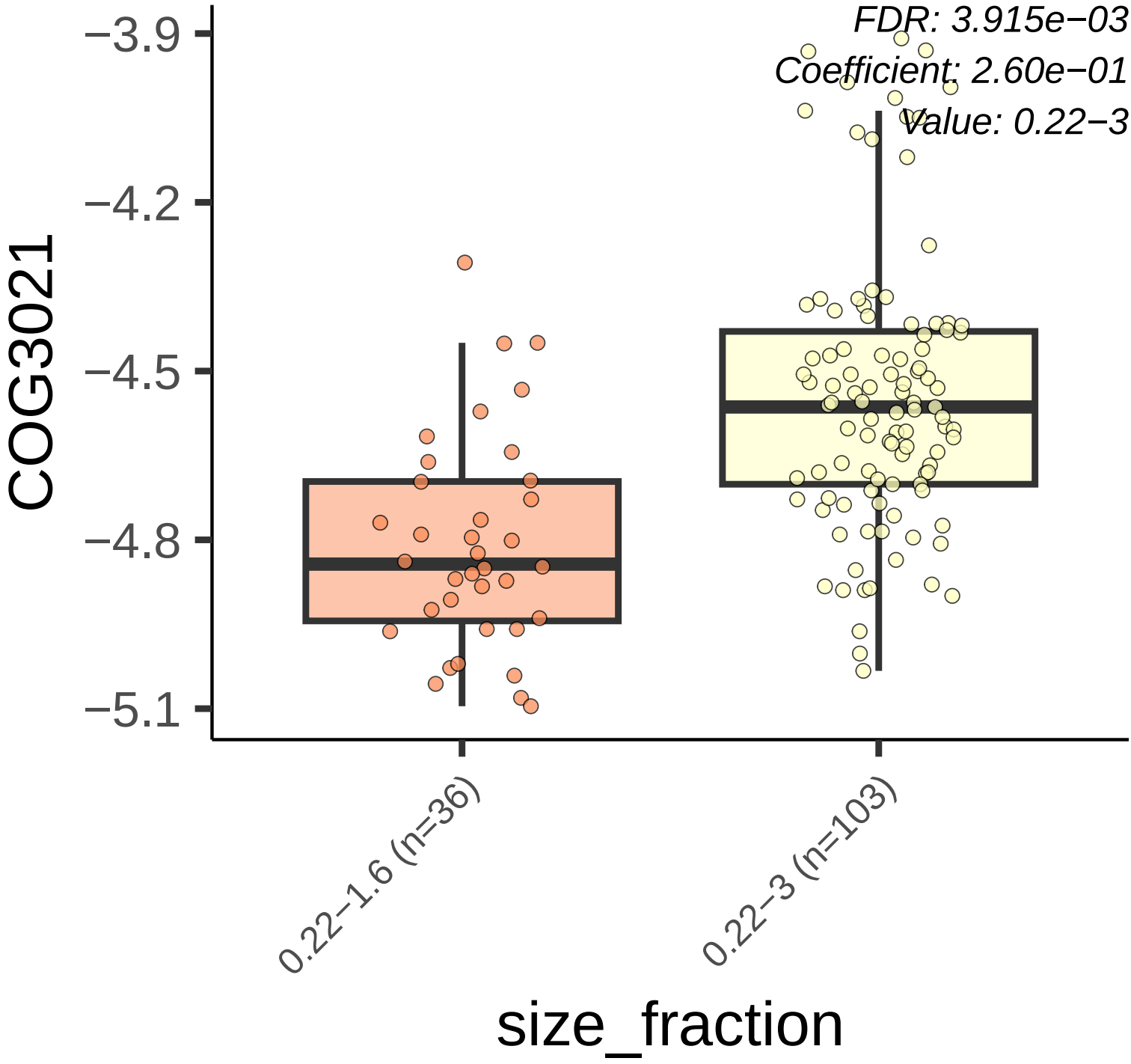

FDR: 3.575e−03
Coefficient: 5.21e−01
Value: 0.22−3
COG3228
−4.5
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

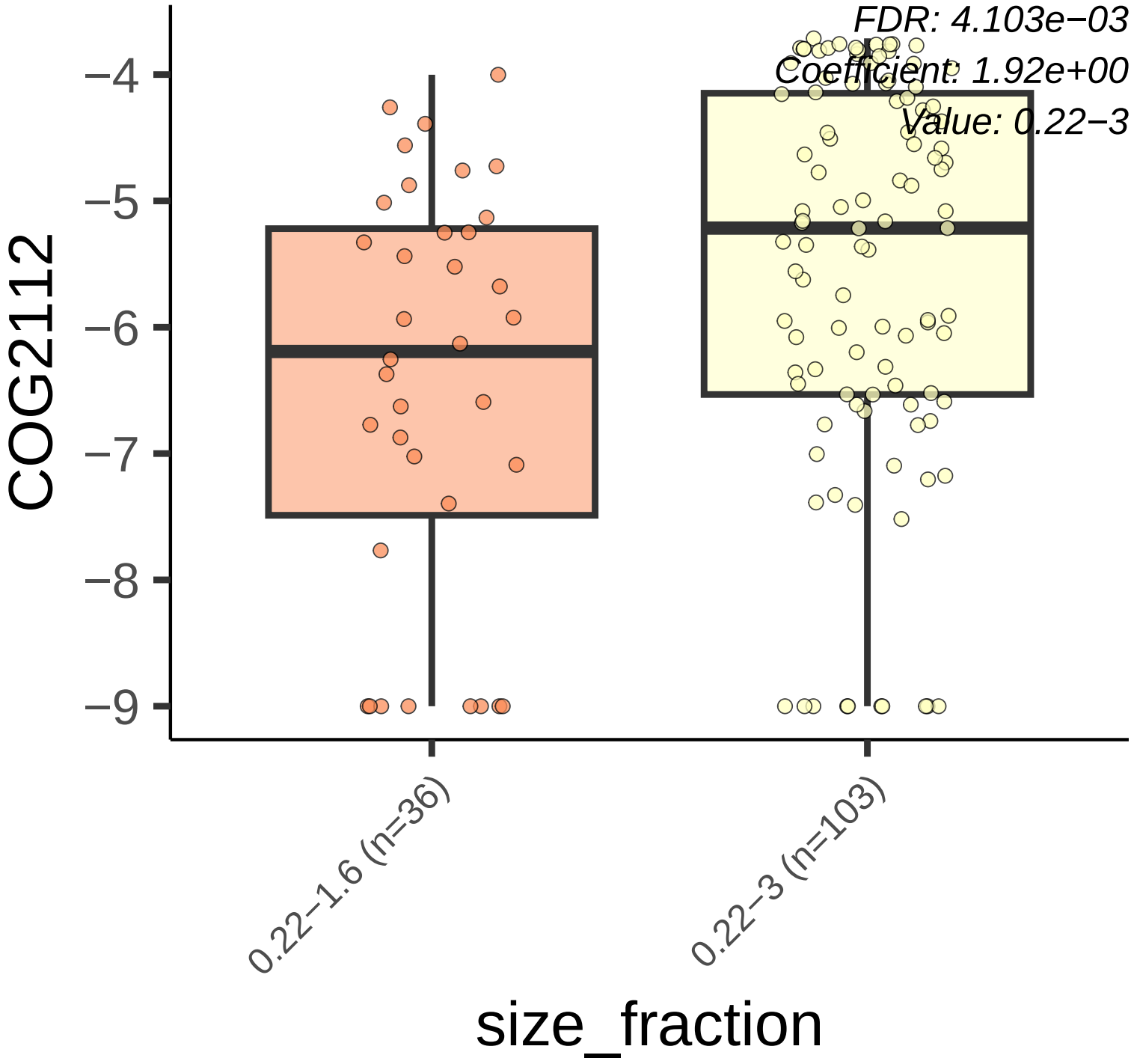

FDR: 3.615e−03
Coefficient: 1.47e−01
Value: 0.22−3
COG1228
−3.0
−3.2
−3.4
−3.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

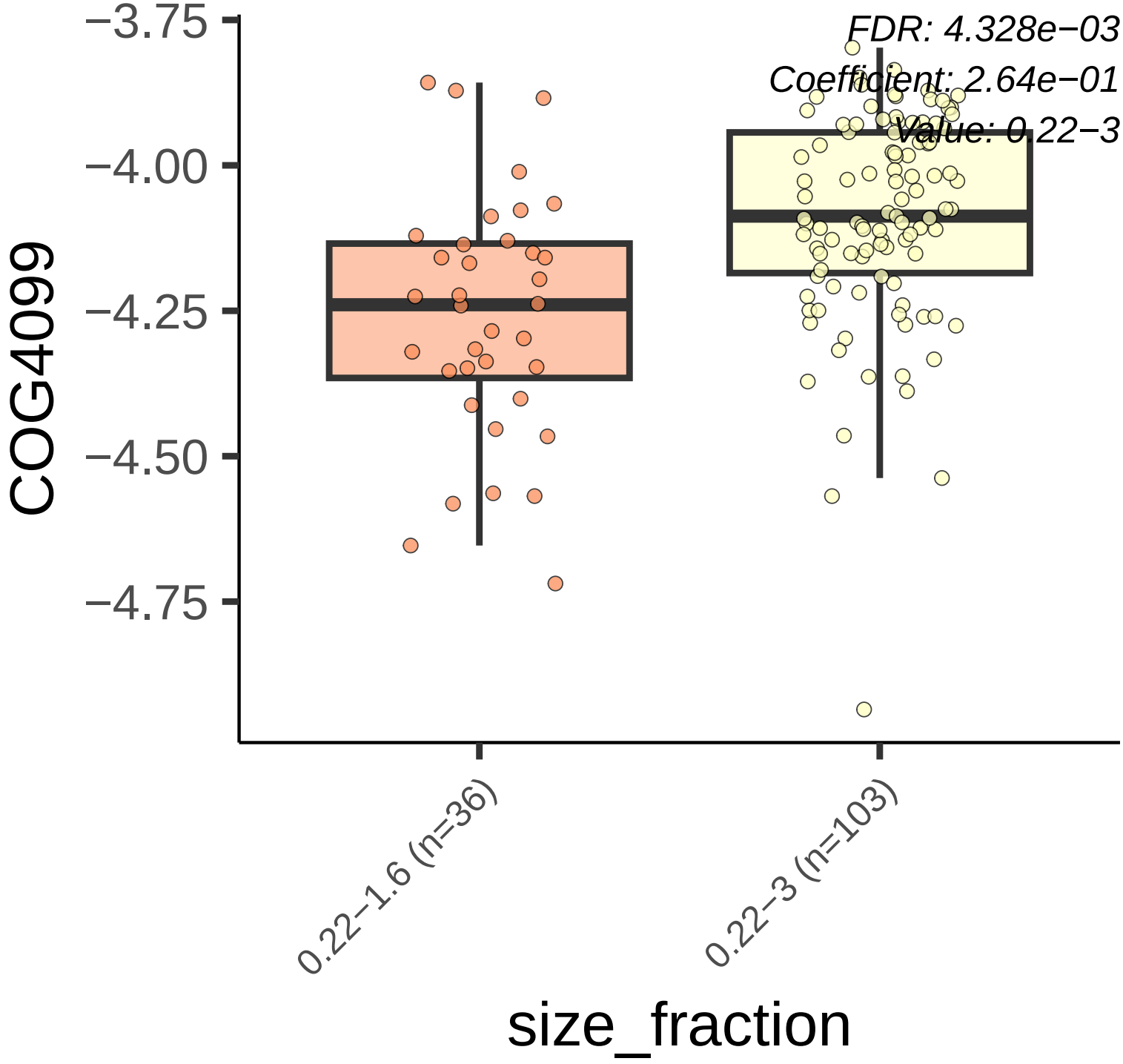

FDR: 3.746e−03
Coefficient: 7.97e−01
Value: 0.22−3
COG2345
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.865e−03
Coefficient: 2.12e−01
Value: 0.22−3
COG3568
−3.9
−4.2
−4.5
−4.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.913e−03
Coefficient: 3.56e−01
Value: 0.22−3
−4.0
−4.5
−5.0
COG2343
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.915e−03
Coefficient: 2.60e−01
Value: 0.22−3
−3.9
−4.2
−4.5
−4.8
−5.1
COG3021
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.103e−03
Coefficient: 1.92e+00
Value: 0.22−3
COG2112
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.328e−03
Coefficient: 2.64e−01
Value: 0.22−3
−3.75
−4.00
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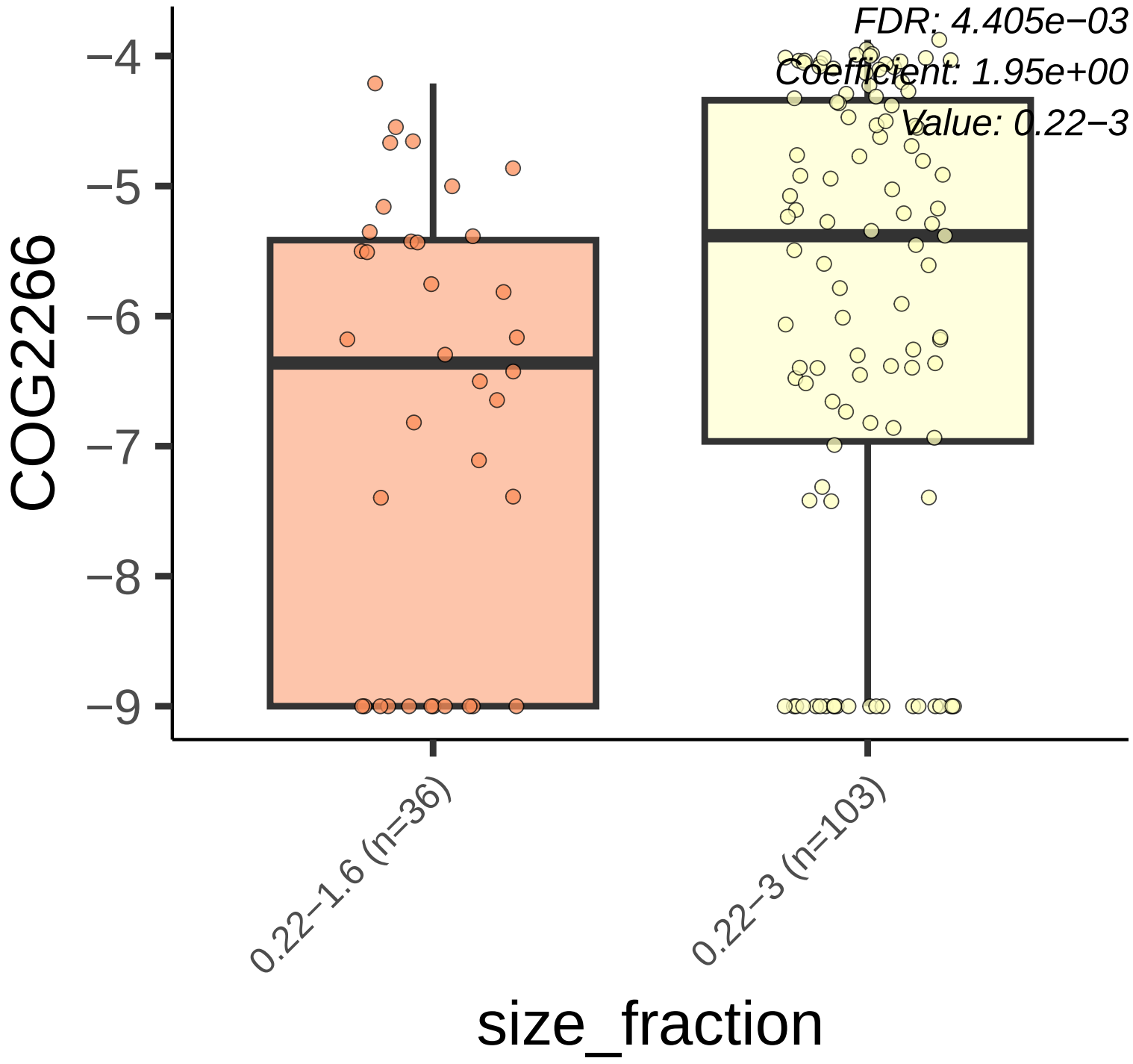
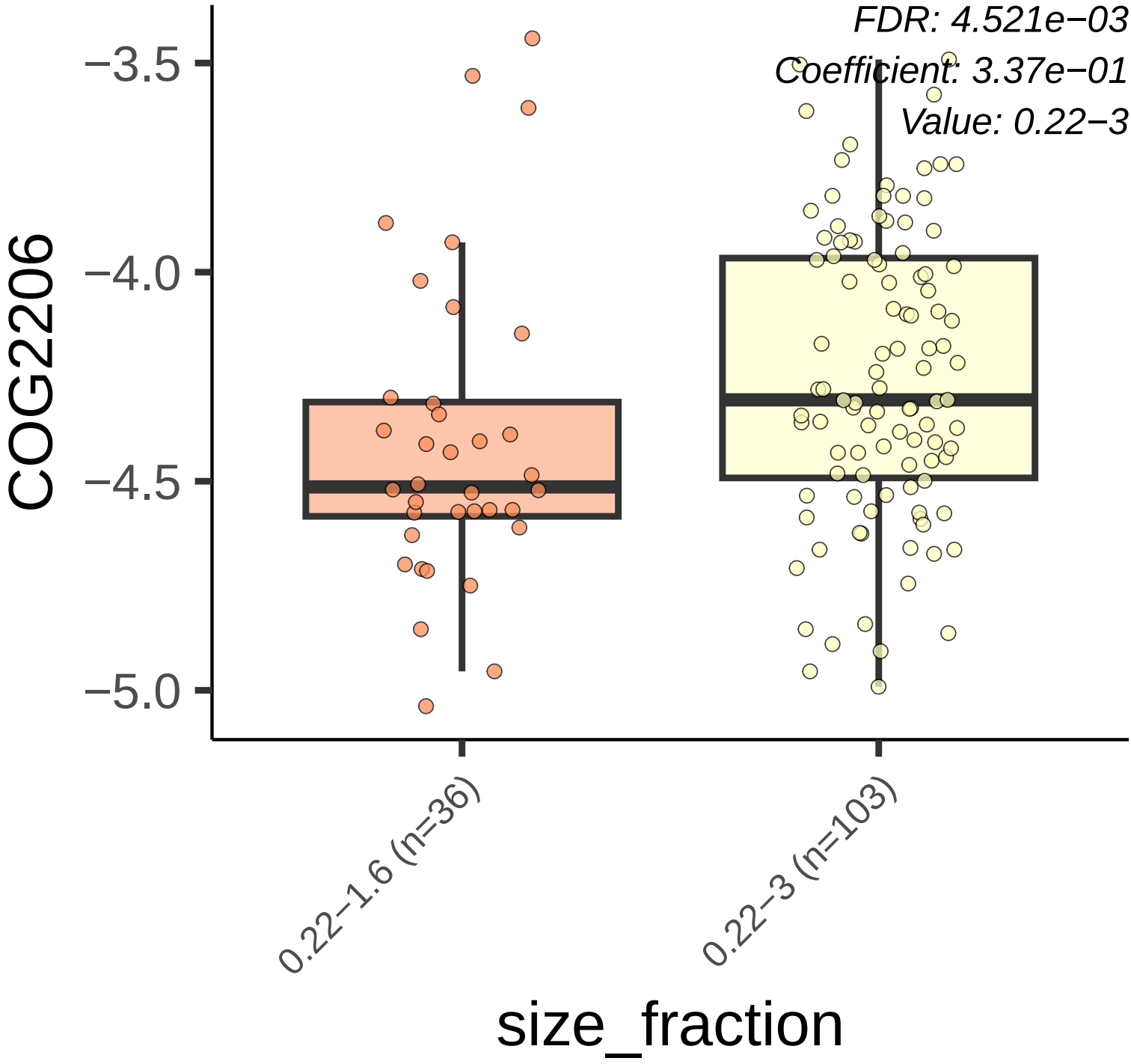
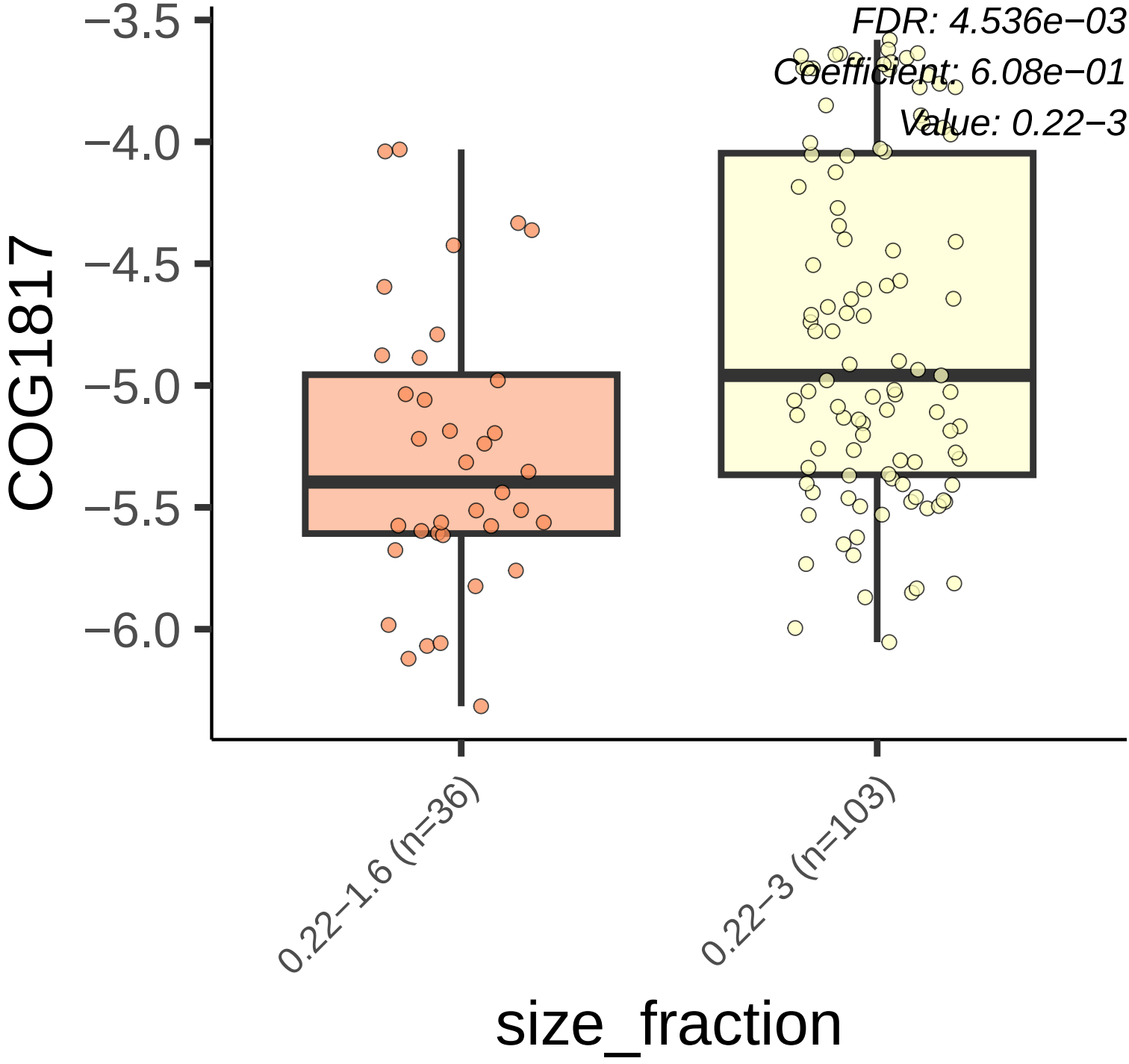
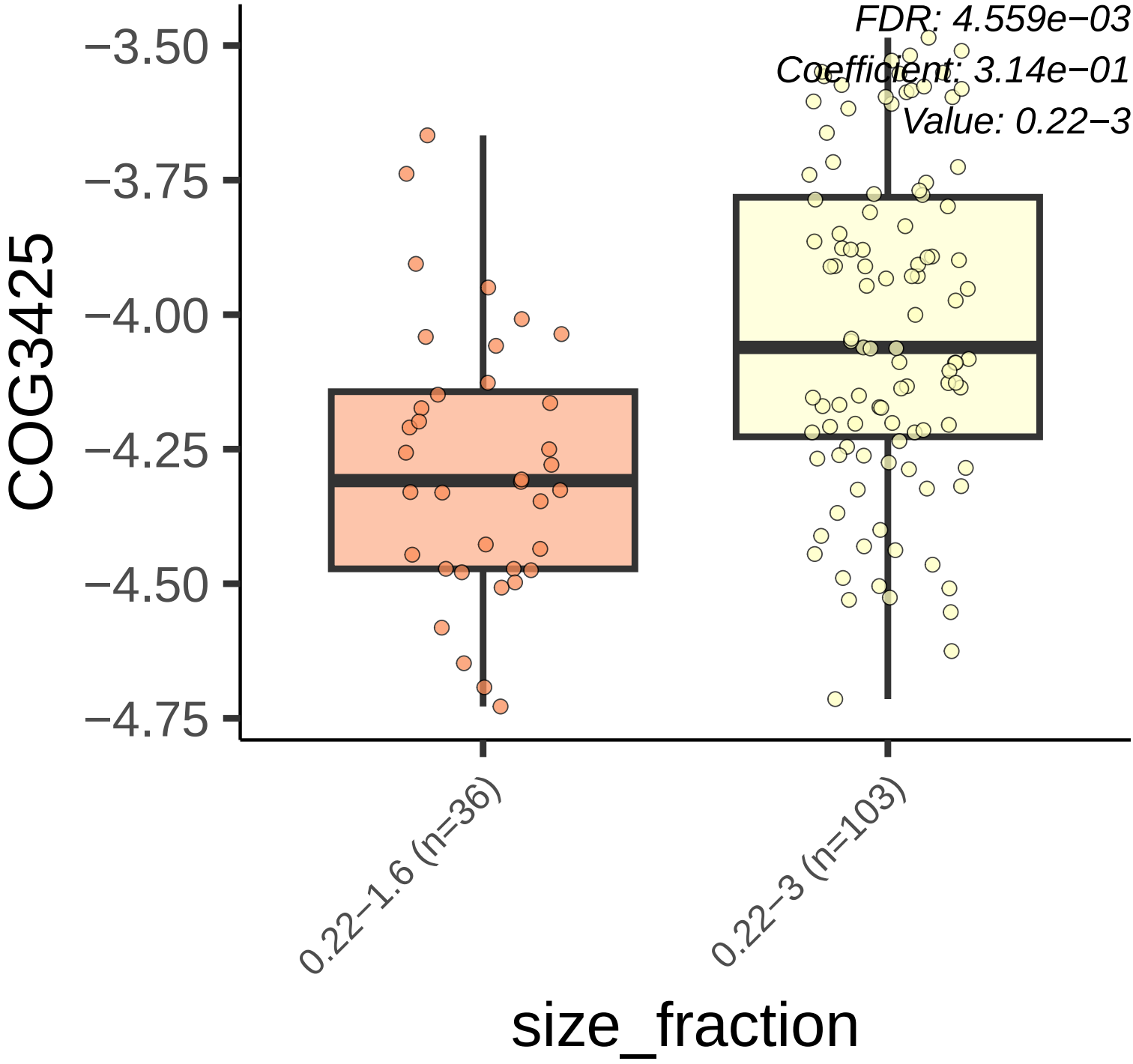
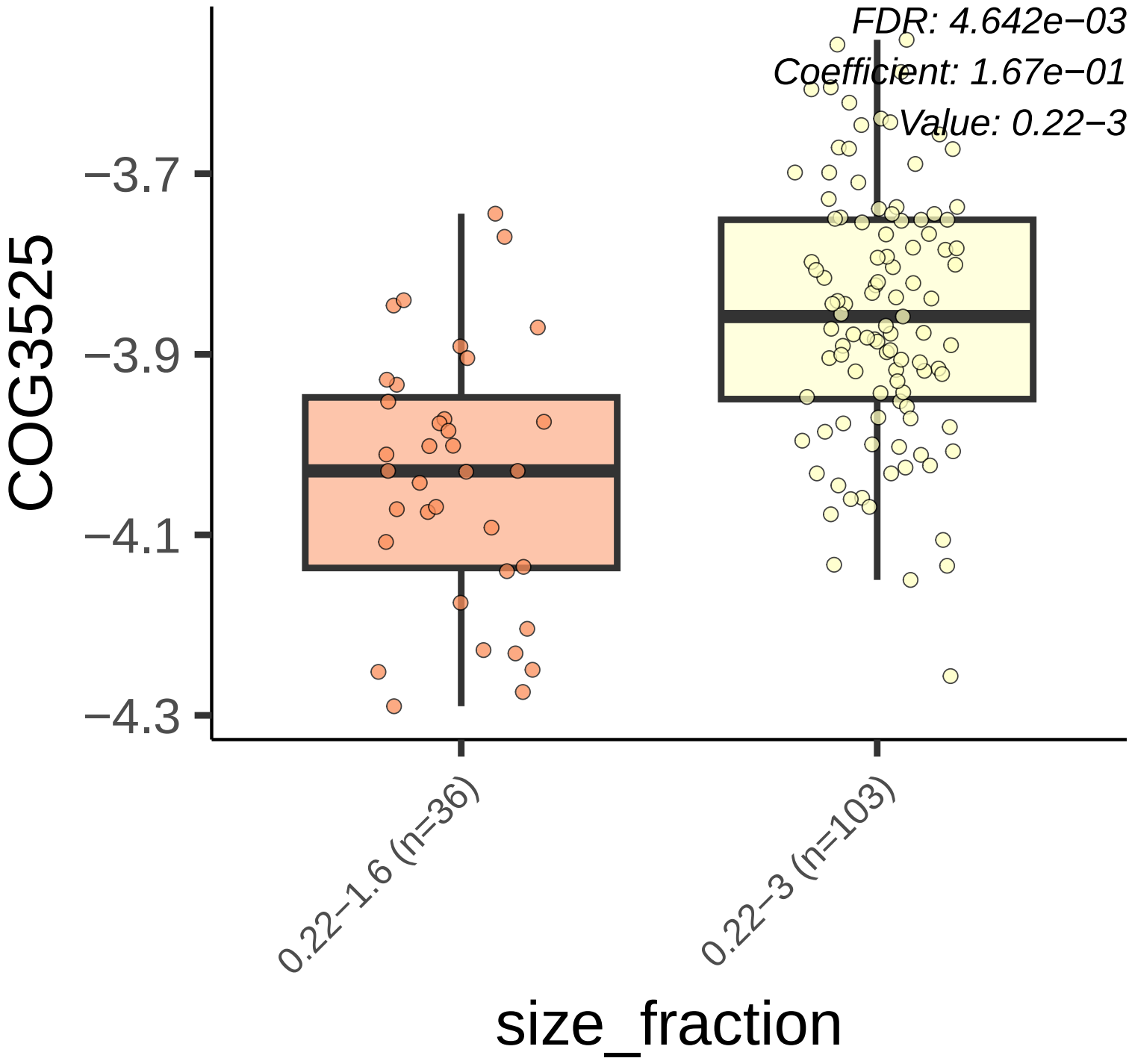
−4.75
COG4099
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

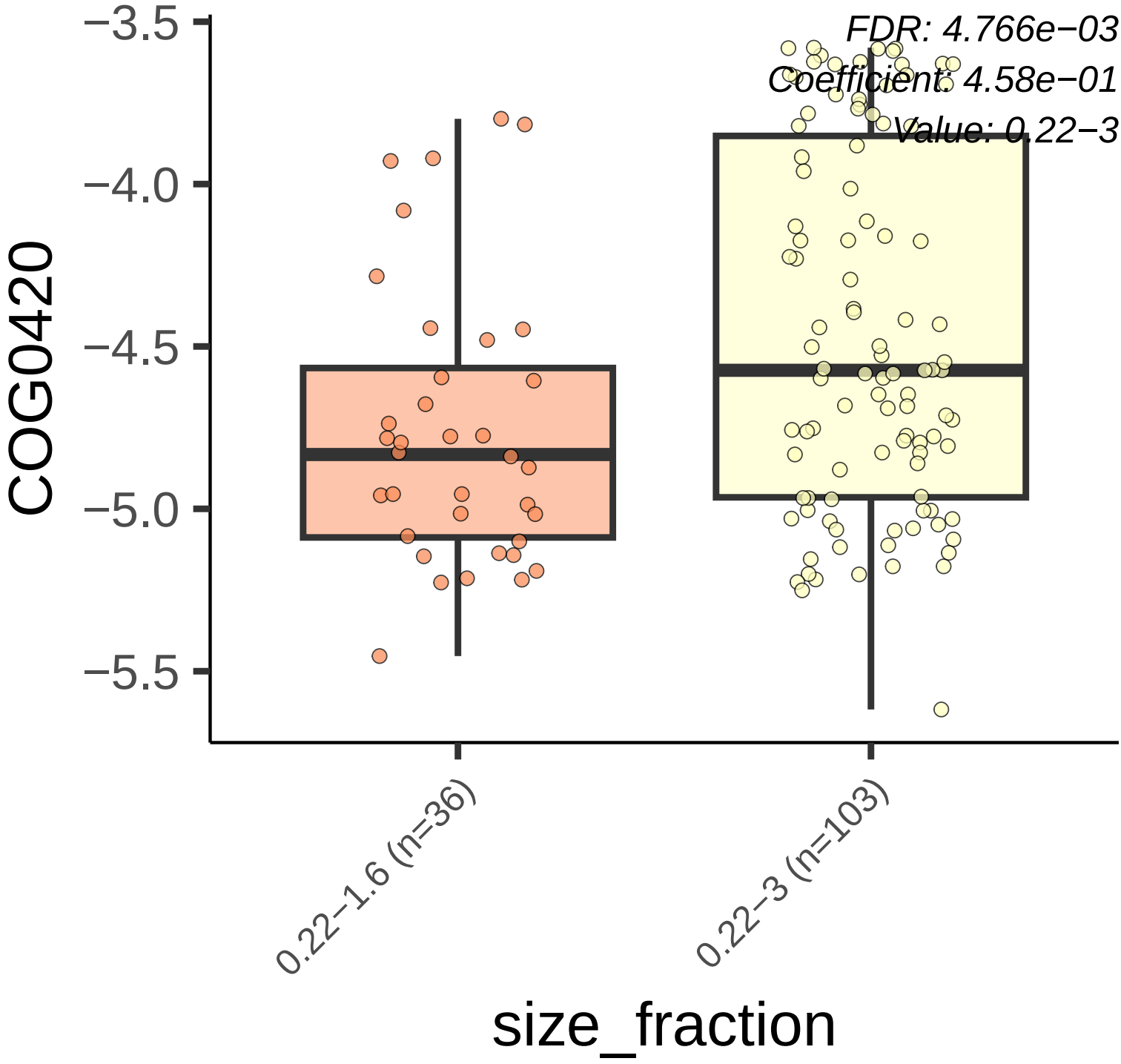

FDR: 4.405e−03
Coefficient: 1.95e+00
Value: 0.22−3
COG2266
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

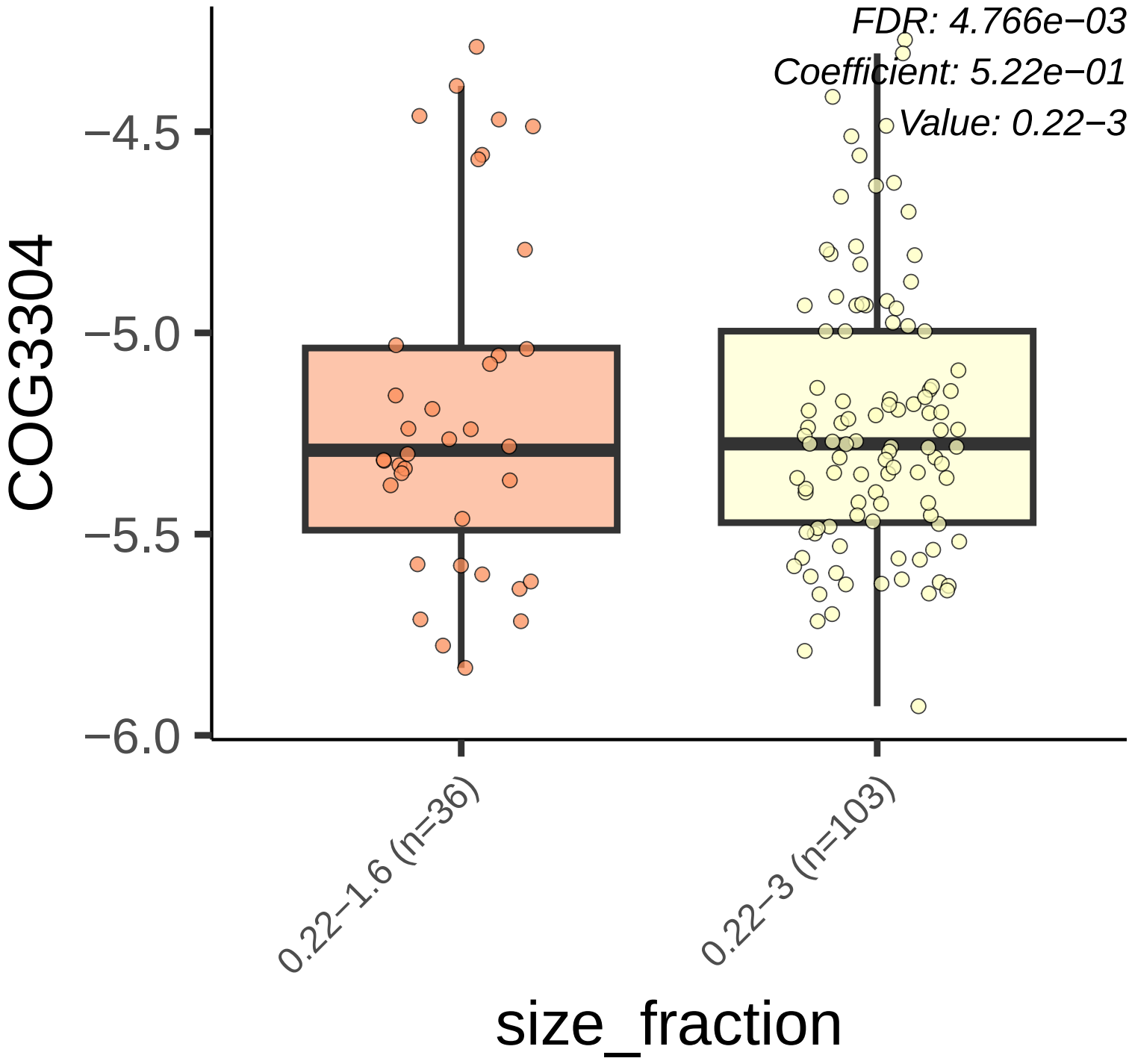

FDR: 4.521e−03
Coefficient: 3.37e−01
Value: 0.22−3
COG2206
−3.5
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

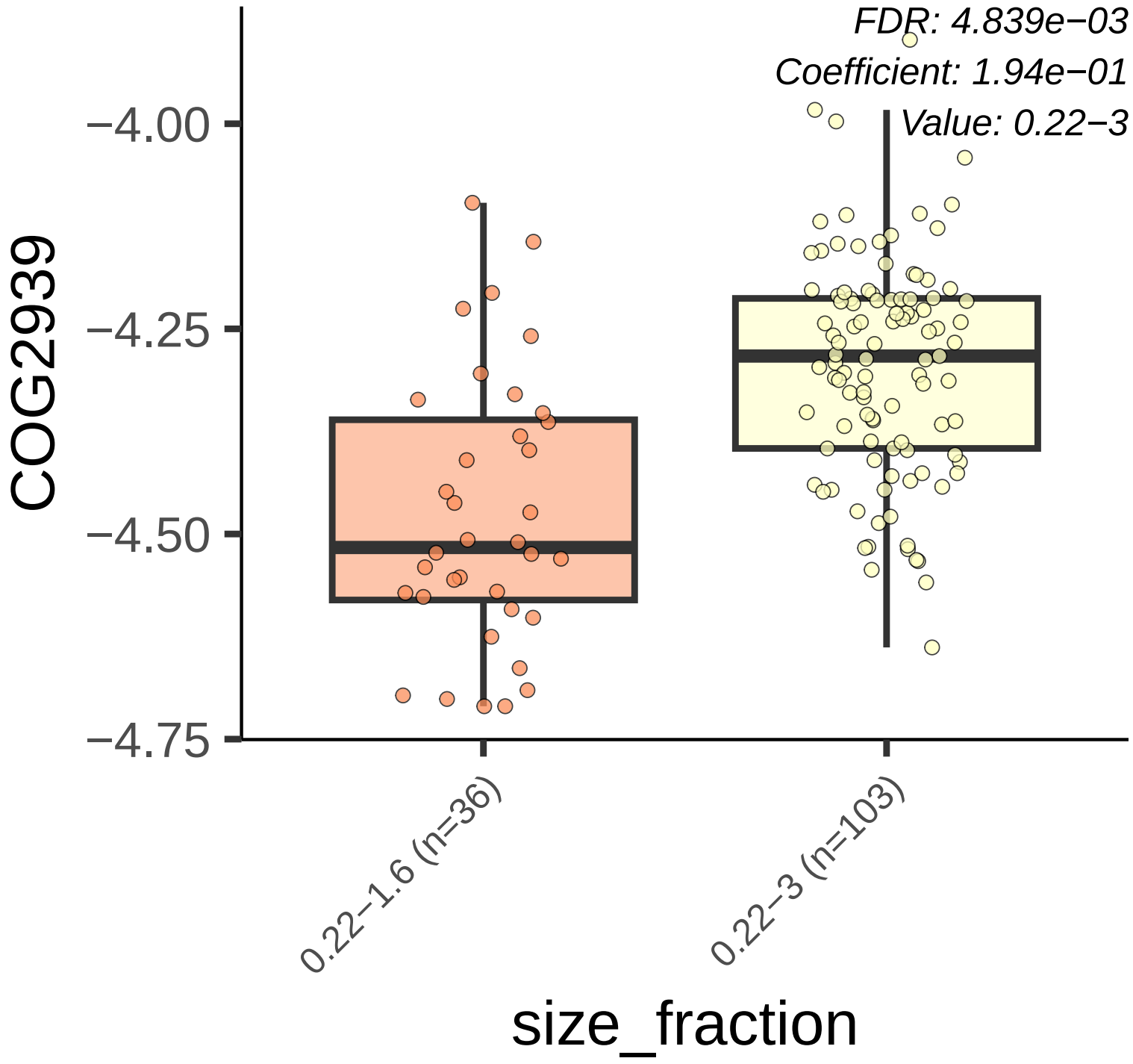

FDR: 4.536e−03
Coefficient: 6.08e−01
Value: 0.22−3
COG1817
−3.5
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

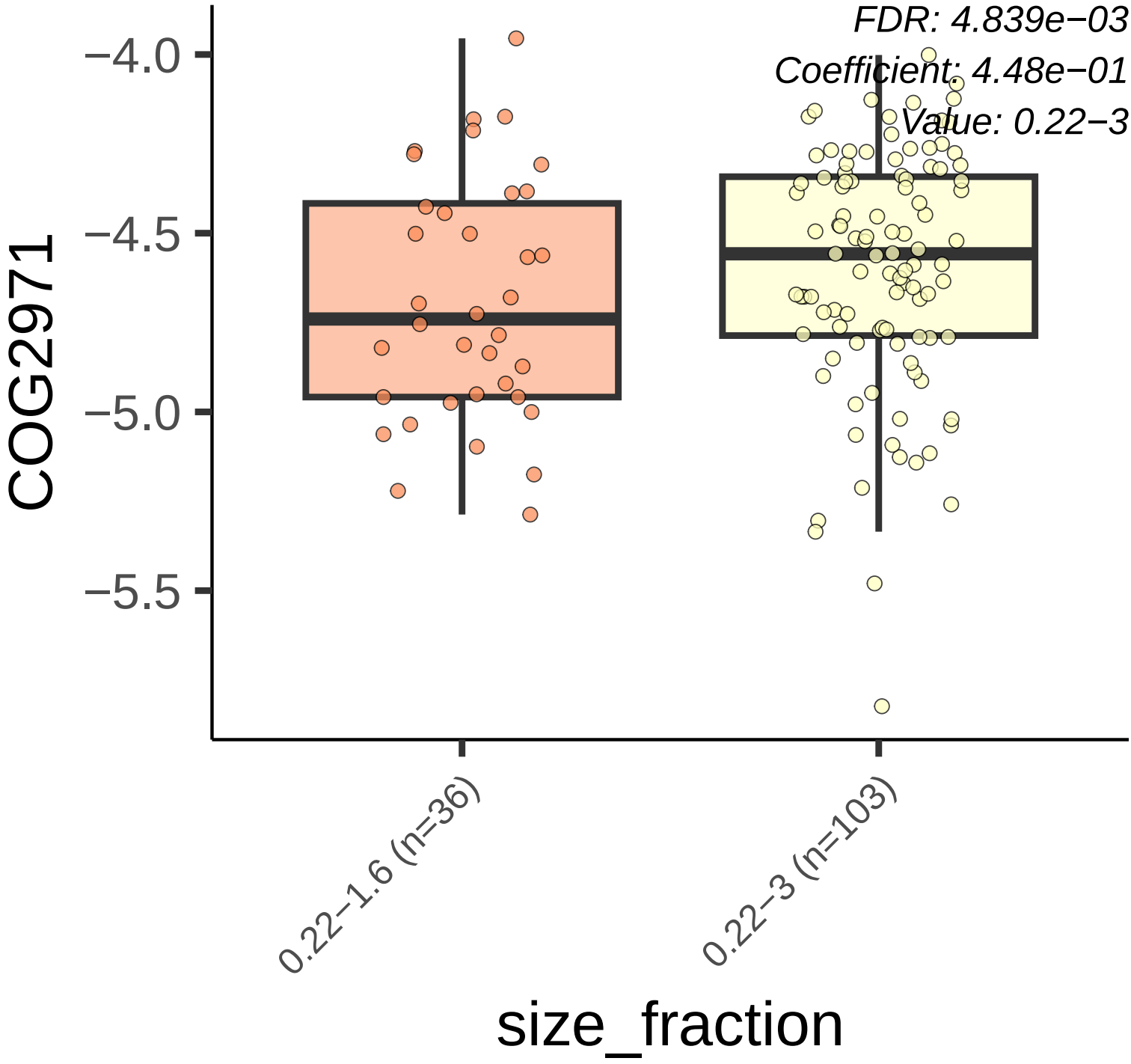

FDR: 4.559e−03
Coefficient: 3.14e−01
Value: 0.22−3
COG3425
−3.50
−3.75
−4.00
−4.25
−4.50
−4.75
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

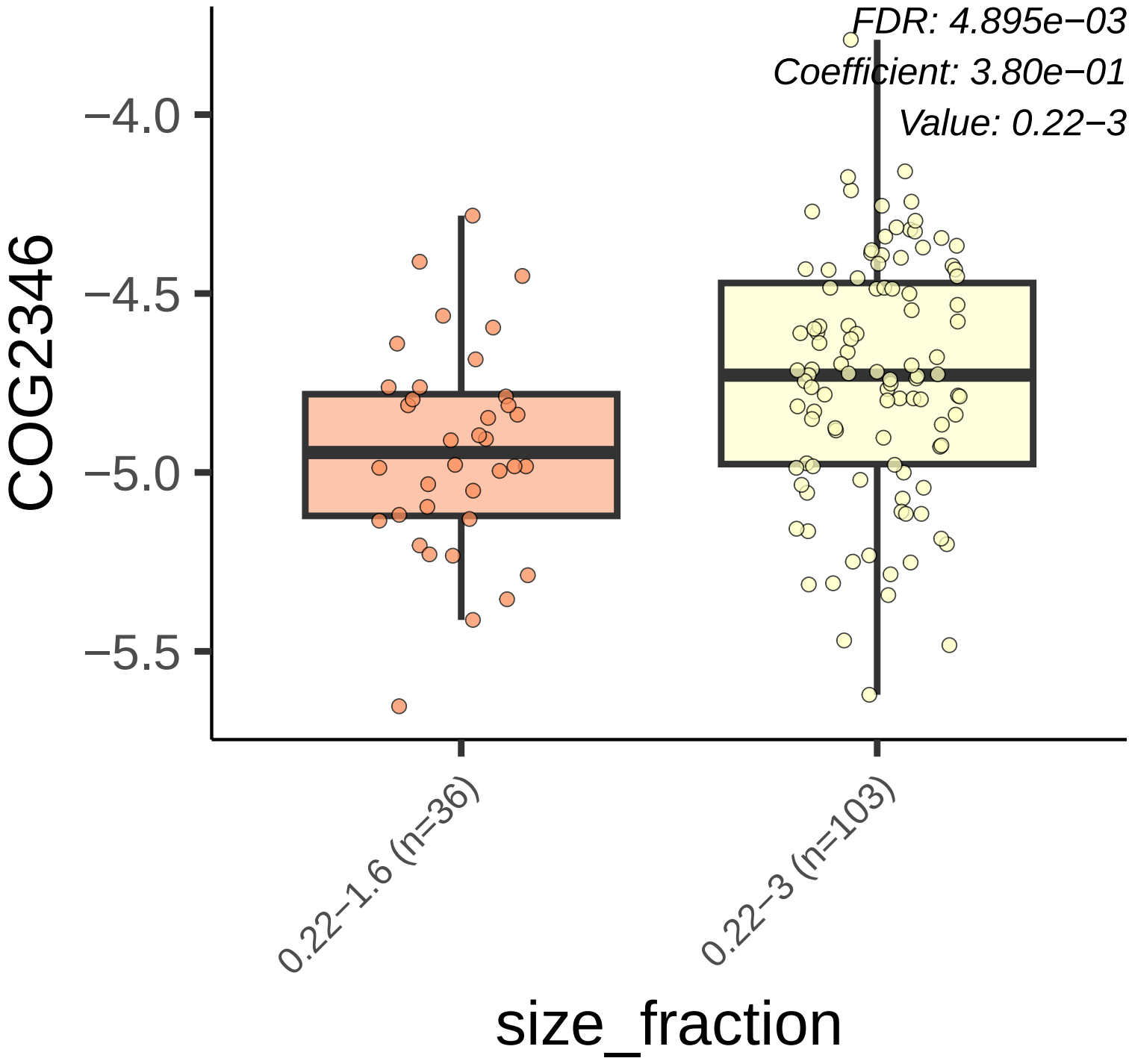

FDR: 4.642e−03
Coefficient: 1.67e−01
Value: 0.22−3
COG3525
−3.7
−3.9
−4.1
−4.3
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

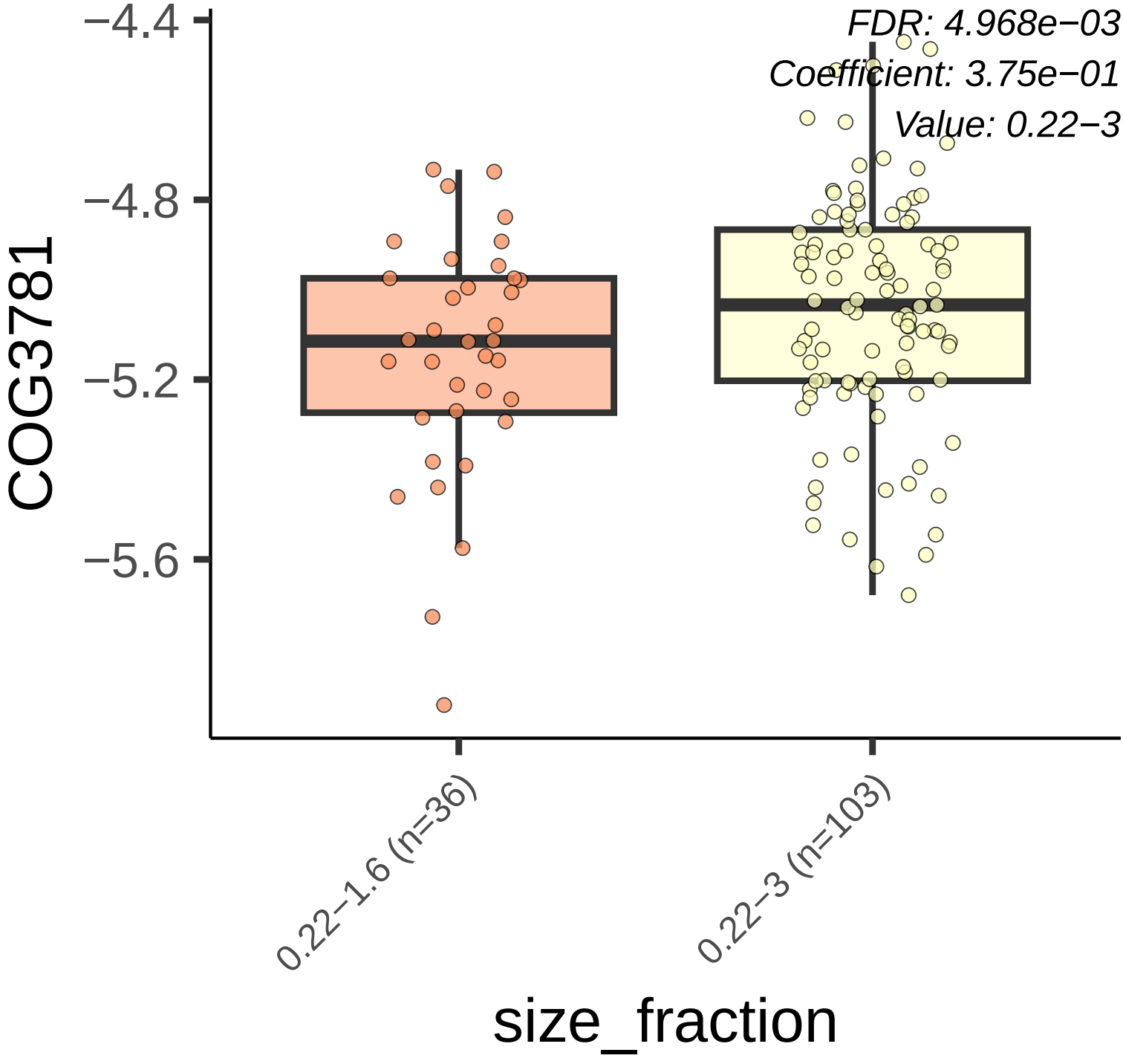

FDR: 4.766e−03
Coefficient: 4.58e−01
Value: 0.22−3
−3.5
−4.0
−4.5
−5.0
−5.5
COG0420
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

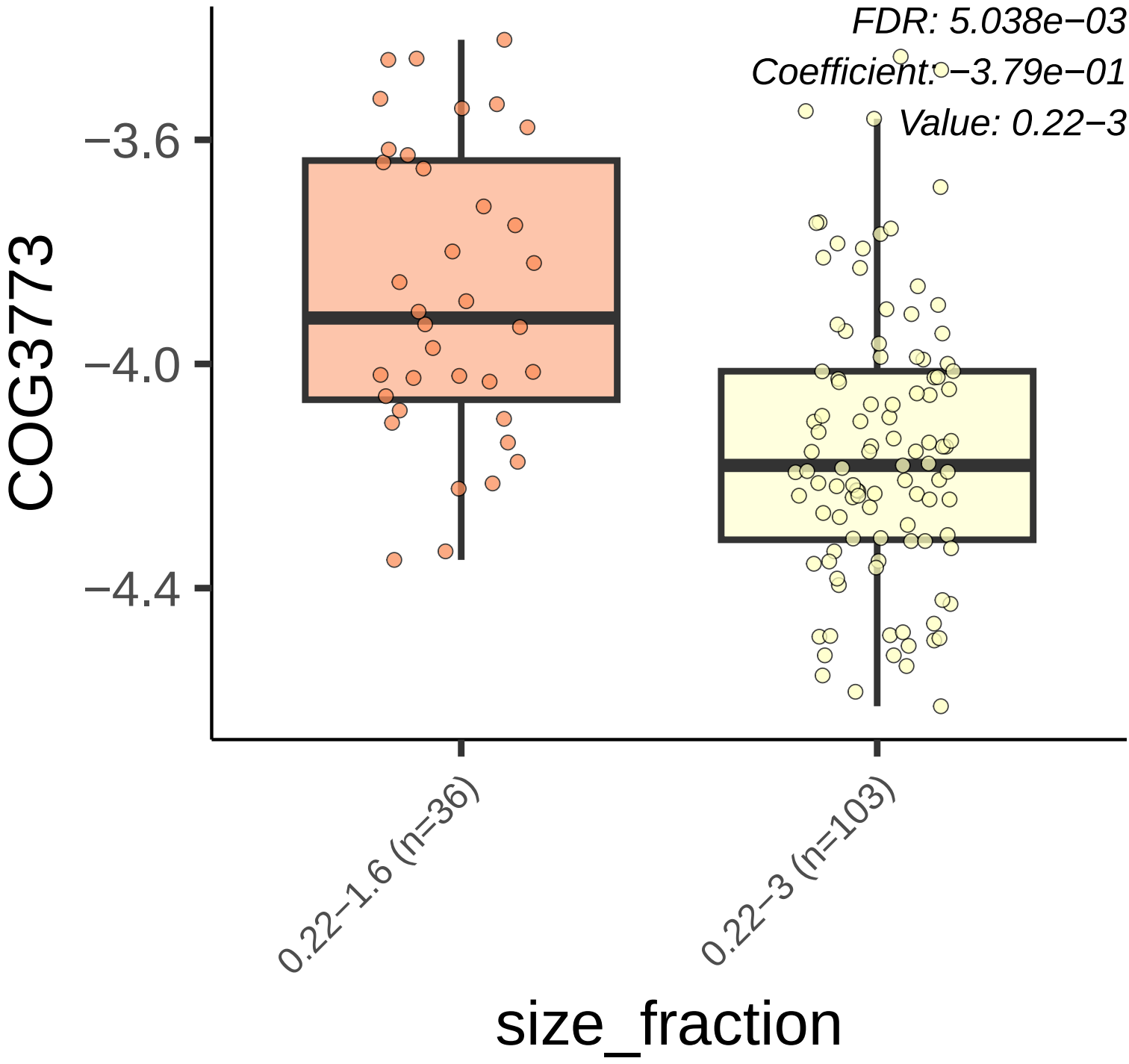

FDR: 4.766e−03
Coefficient: 5.22e−01
Value: 0.22−3
COG3304
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

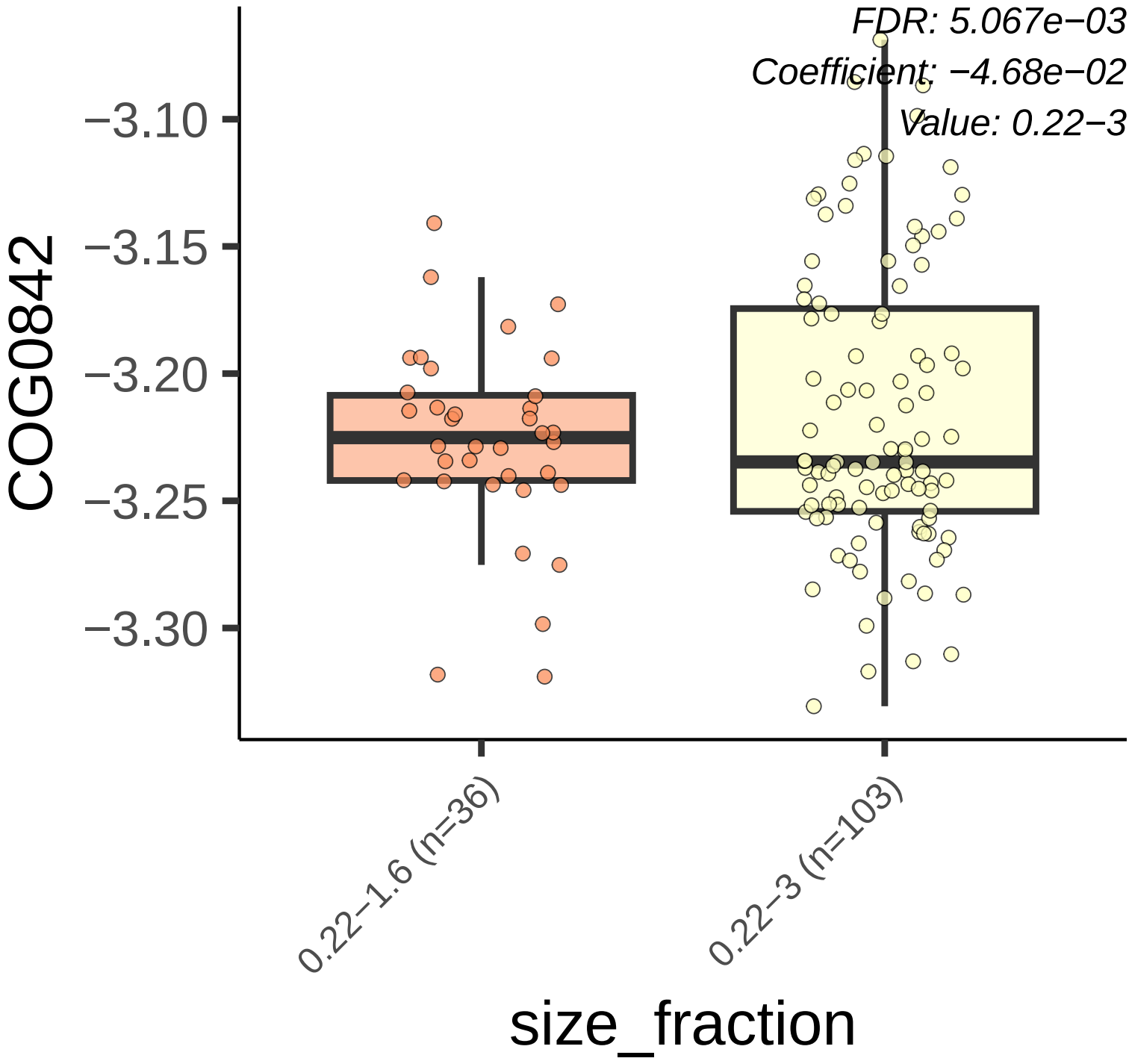

FDR: 4.839e−03
Coefficient: 1.94e−01
Value: 0.22−3
COG2939
−4.00
−4.25
−4.50
−4.75
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

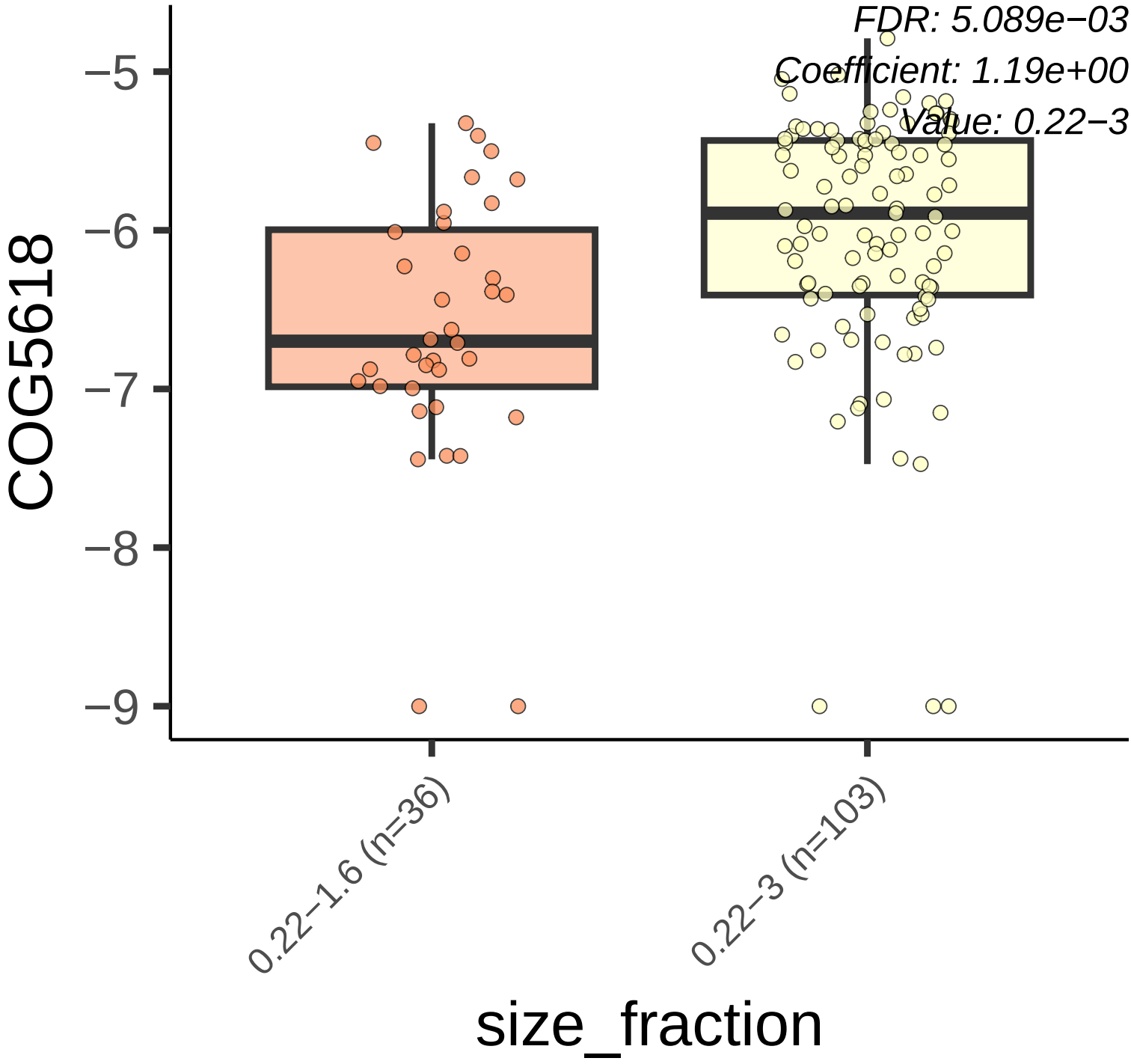

FDR: 4.839e−03
Coefficient: 4.48e−01
Value: 0.22−3
COG2971
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

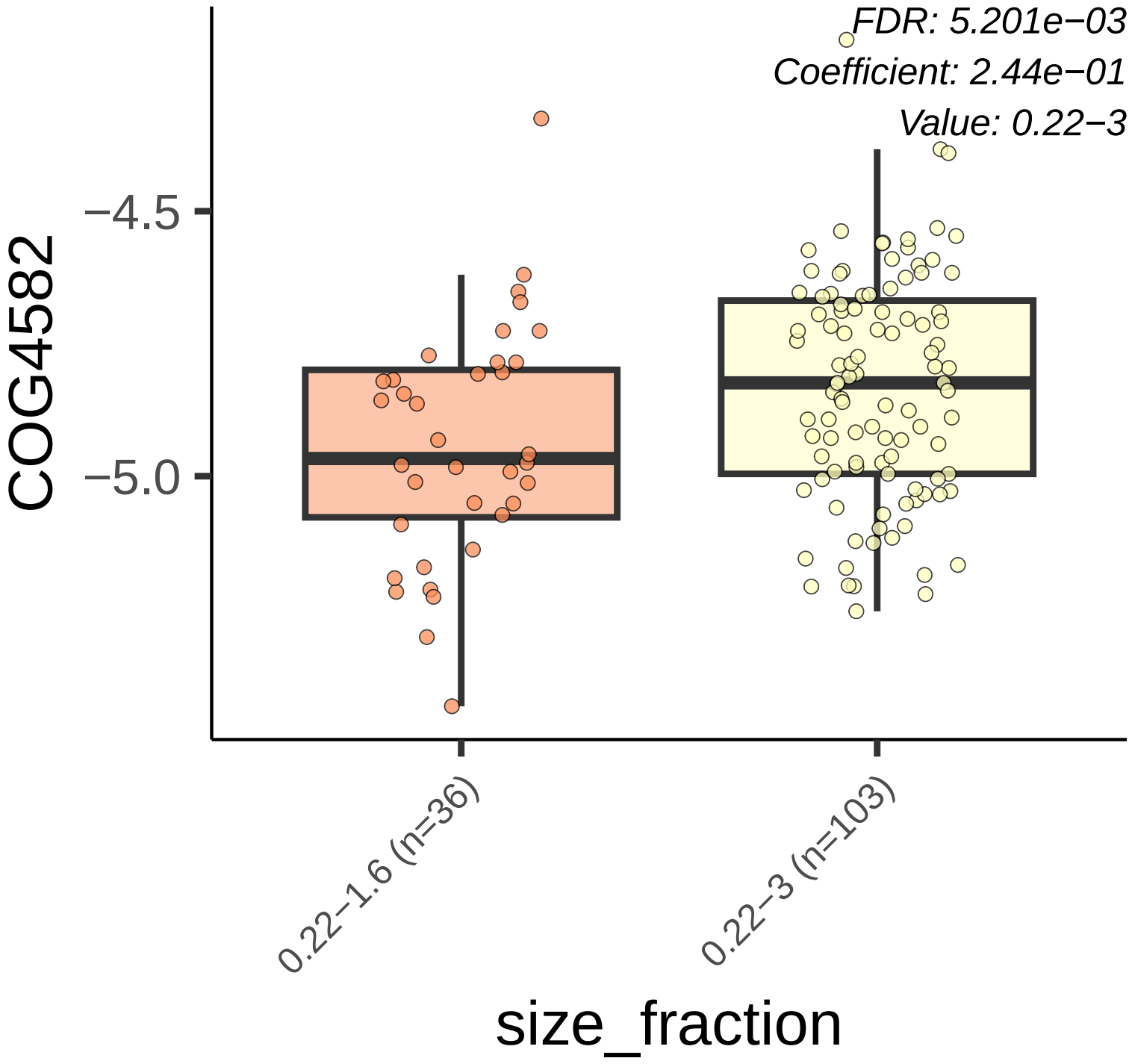

FDR: 4.895e−03
Coefficient: 3.80e−01
Value: 0.22−3
COG2346
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

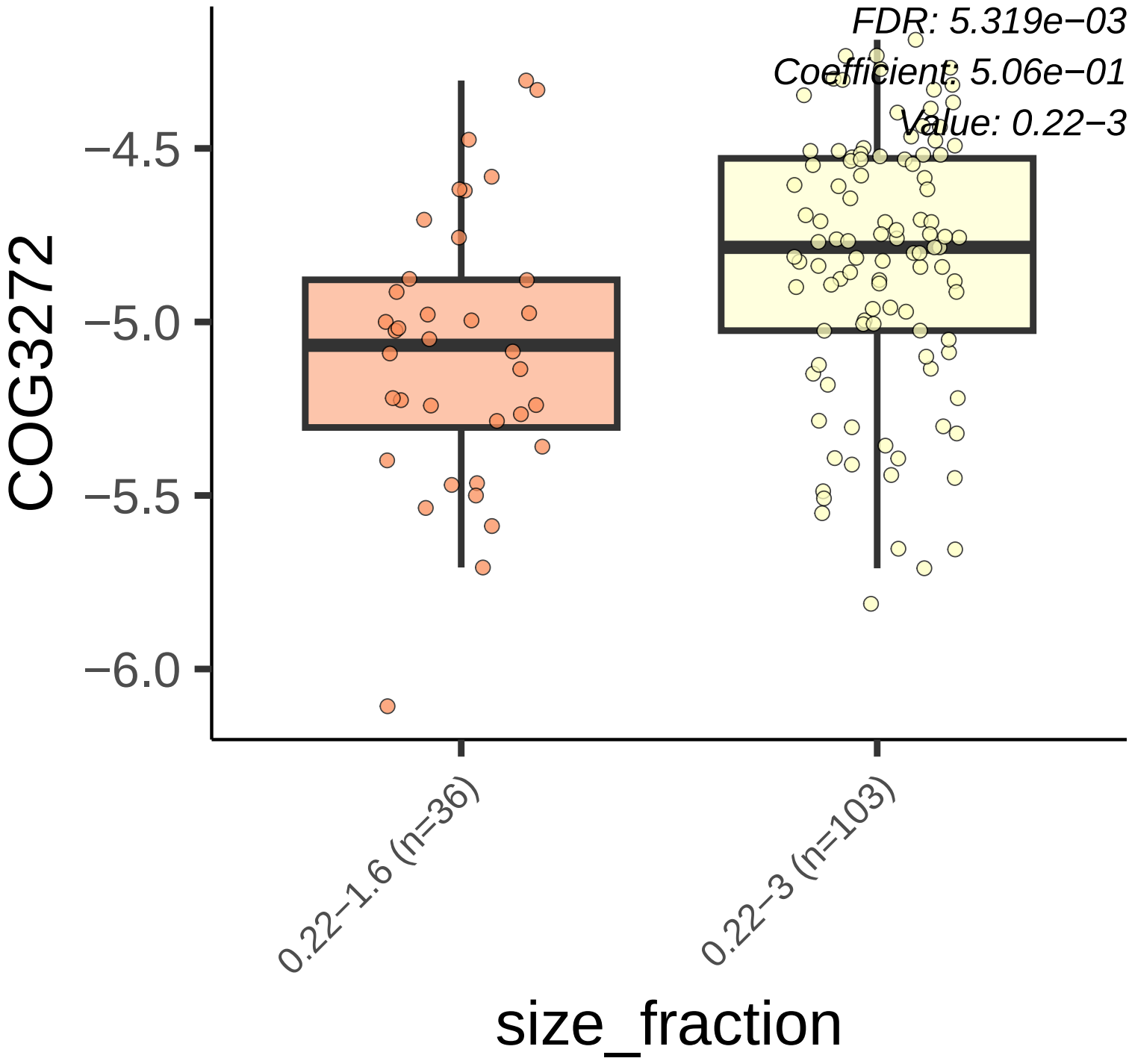

FDR: 4.968e−03
Coefficient: 3.75e−01
Value: 0.22−3
−4.4
−4.8
−5.2
−5.6
COG3781
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

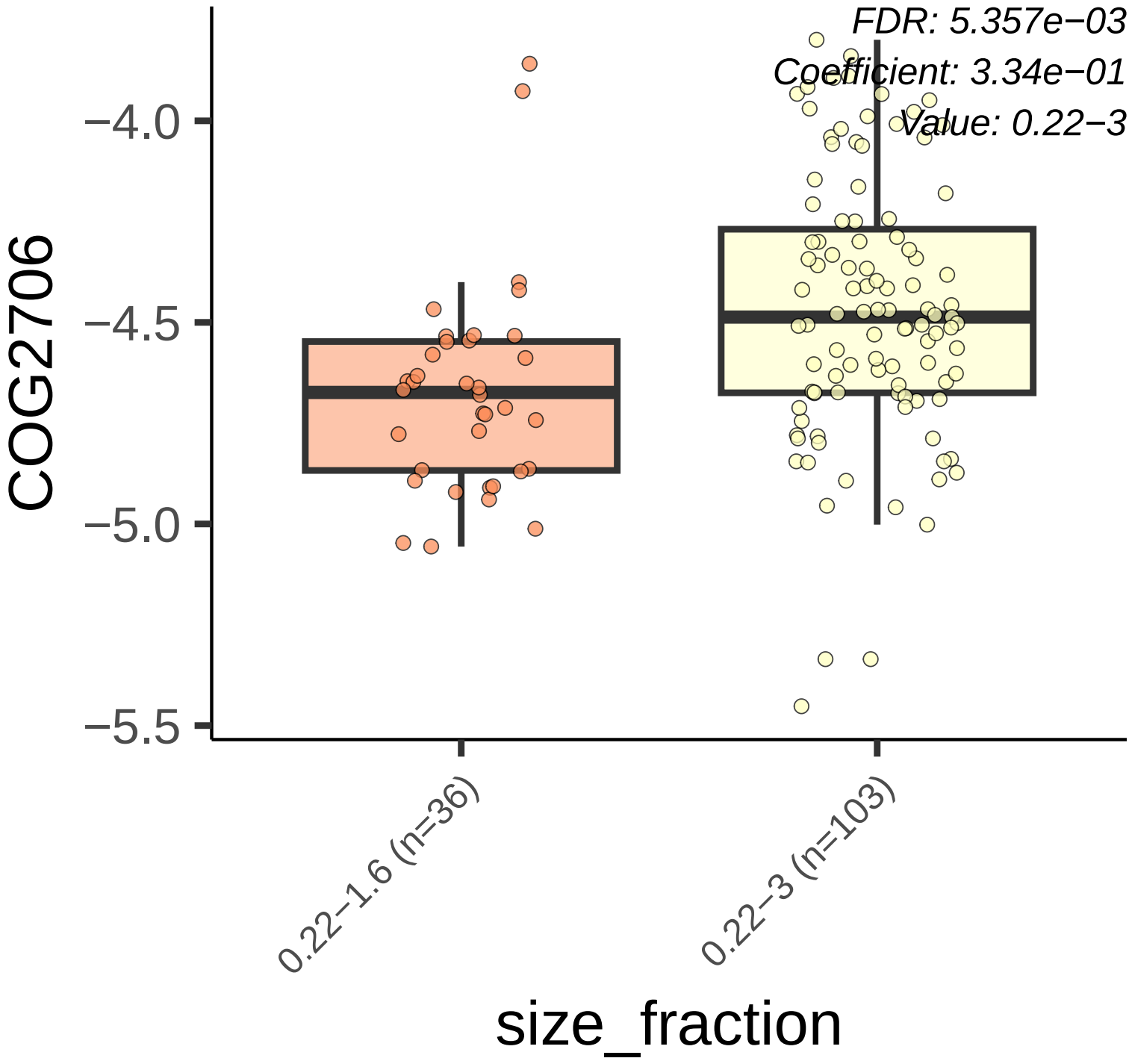

FDR: 5.038e−03
Coefficient: −3.79e−01
Value: 0.22−3
COG3773
−3.6
−4.0
−4.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

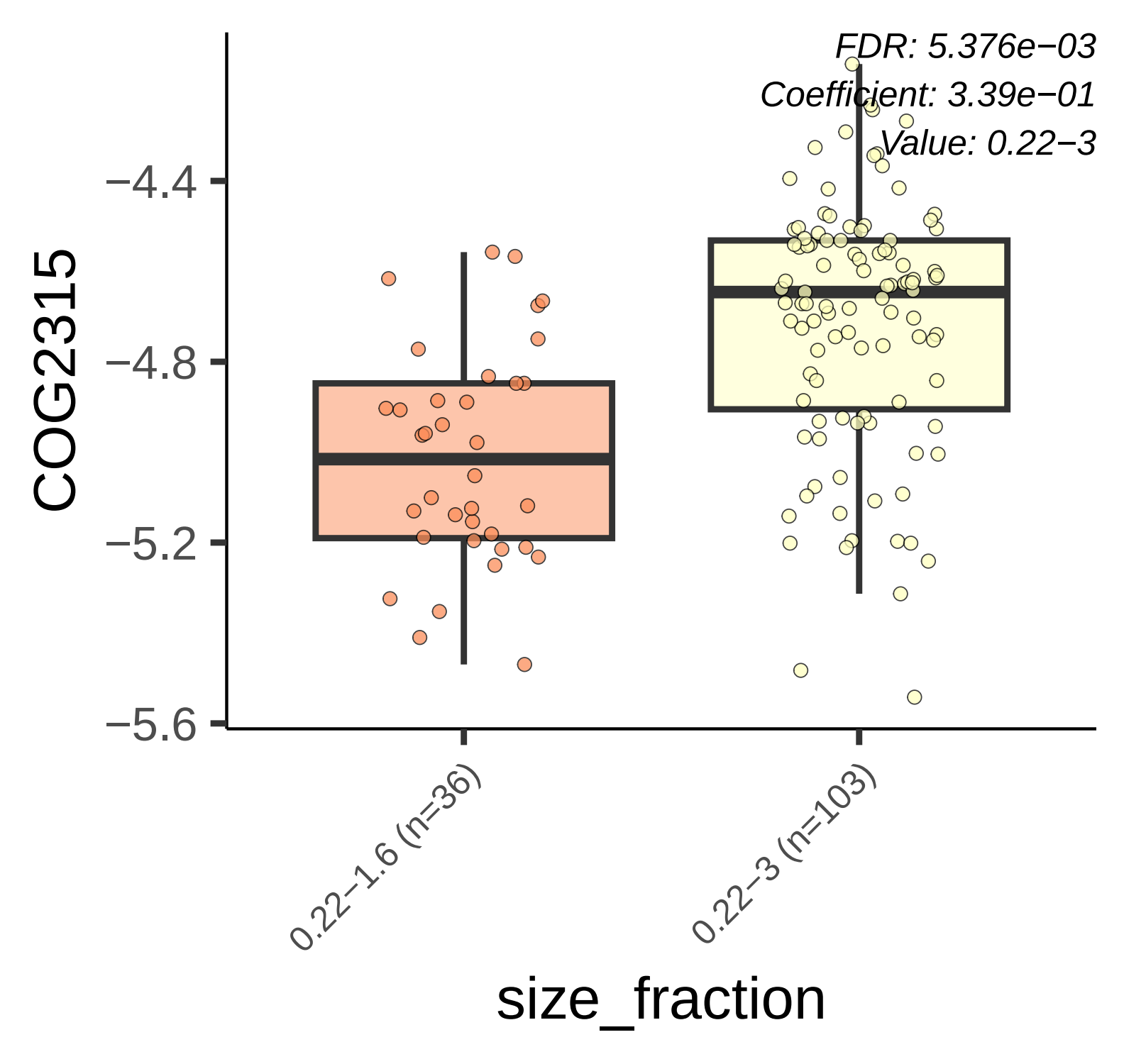

FDR: 5.067e−03
Coefficient: −4.68e−02
Value: 0.22−3
COG0842
−3.10
−3.15
−3.20
−3.25
−3.30
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

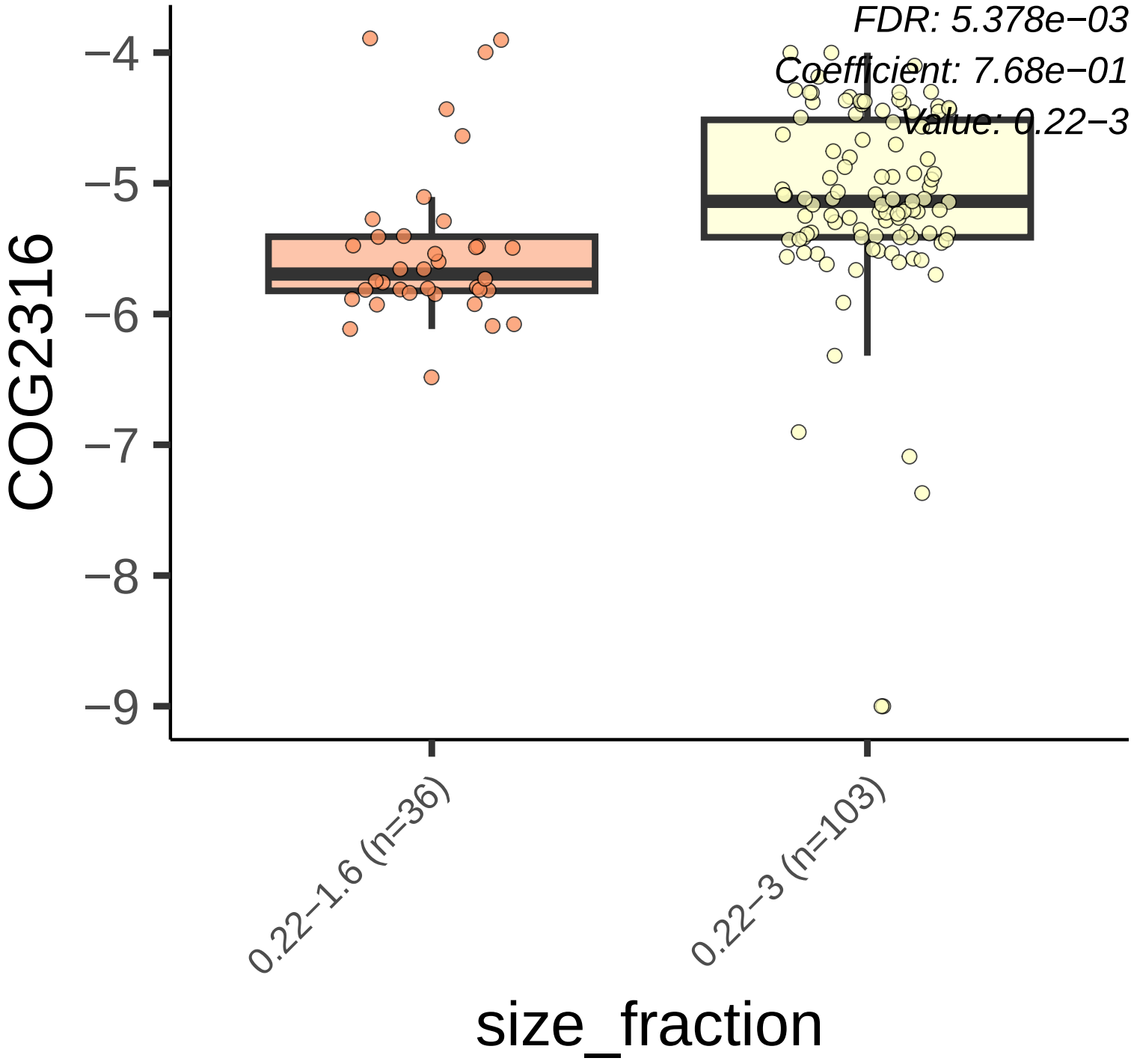

FDR: 5.089e−03
Coefficient: 1.19e+00
Value: 0.22−3
COG5618
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

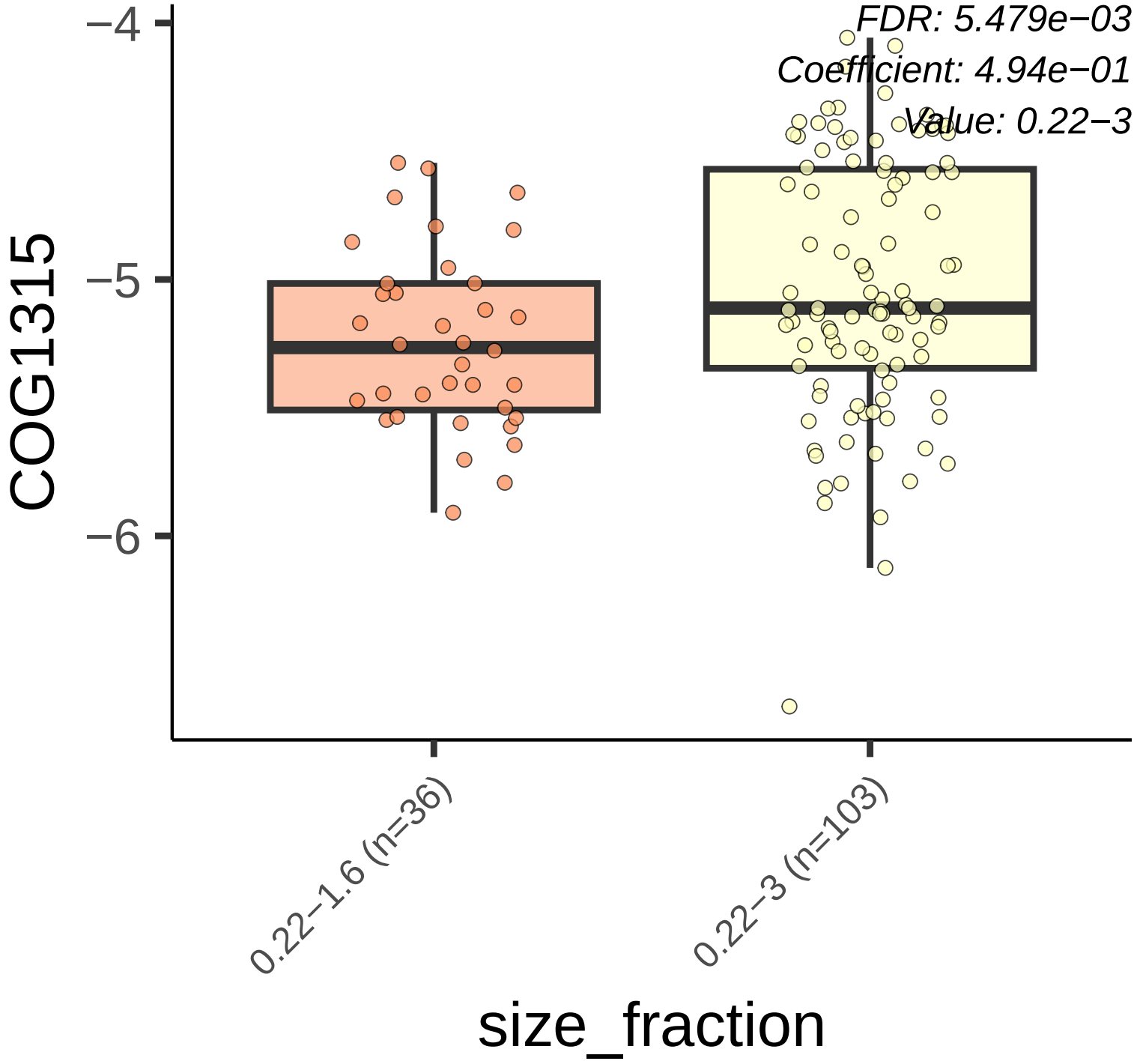

FDR: 5.201e−03
Coefficient: 2.44e−01
Value: 0.22−3
COG4582
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

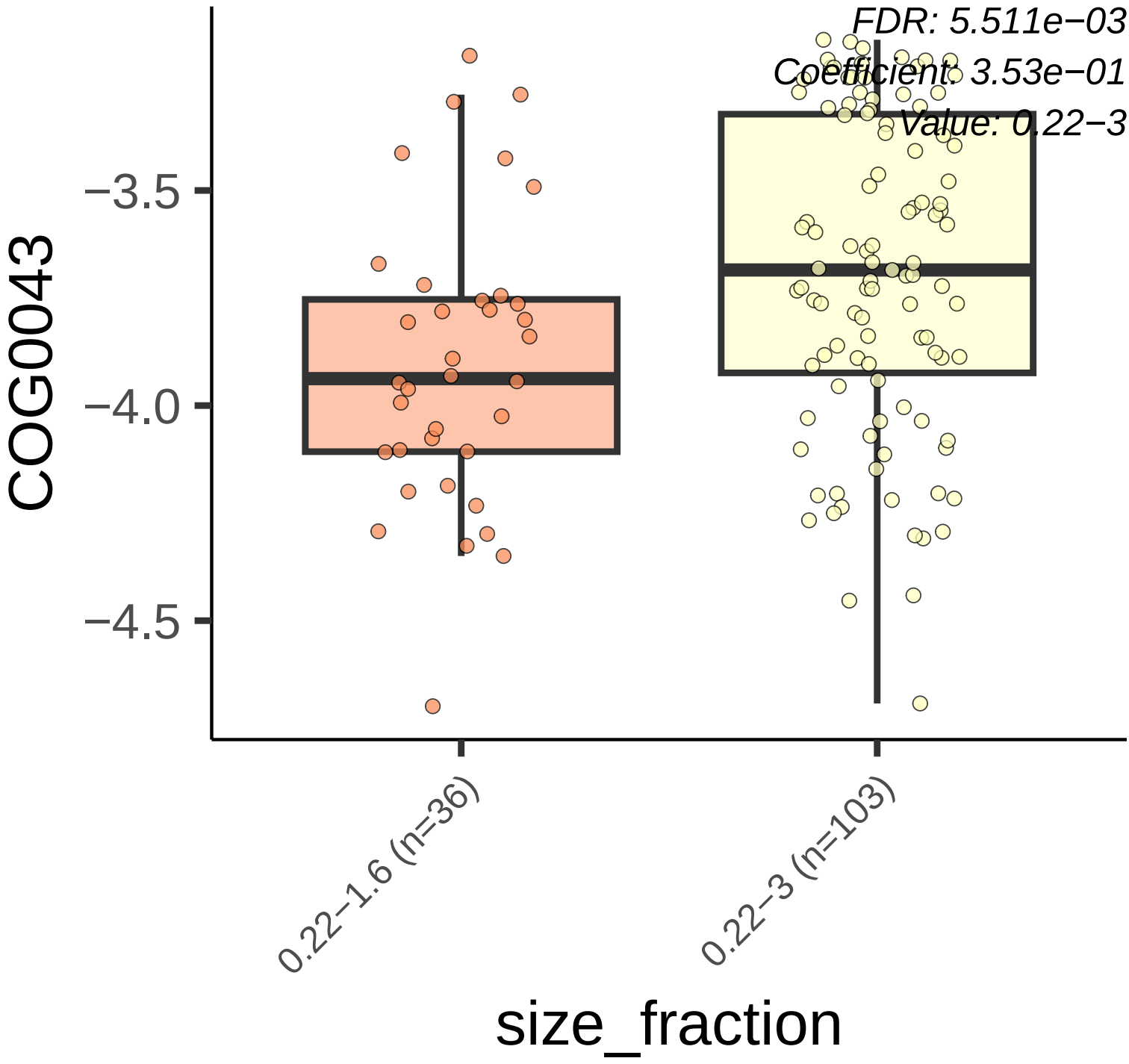

FDR: 5.319e−03
Coefficient: 5.06e−01
Value: 0.22−3
COG3272
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

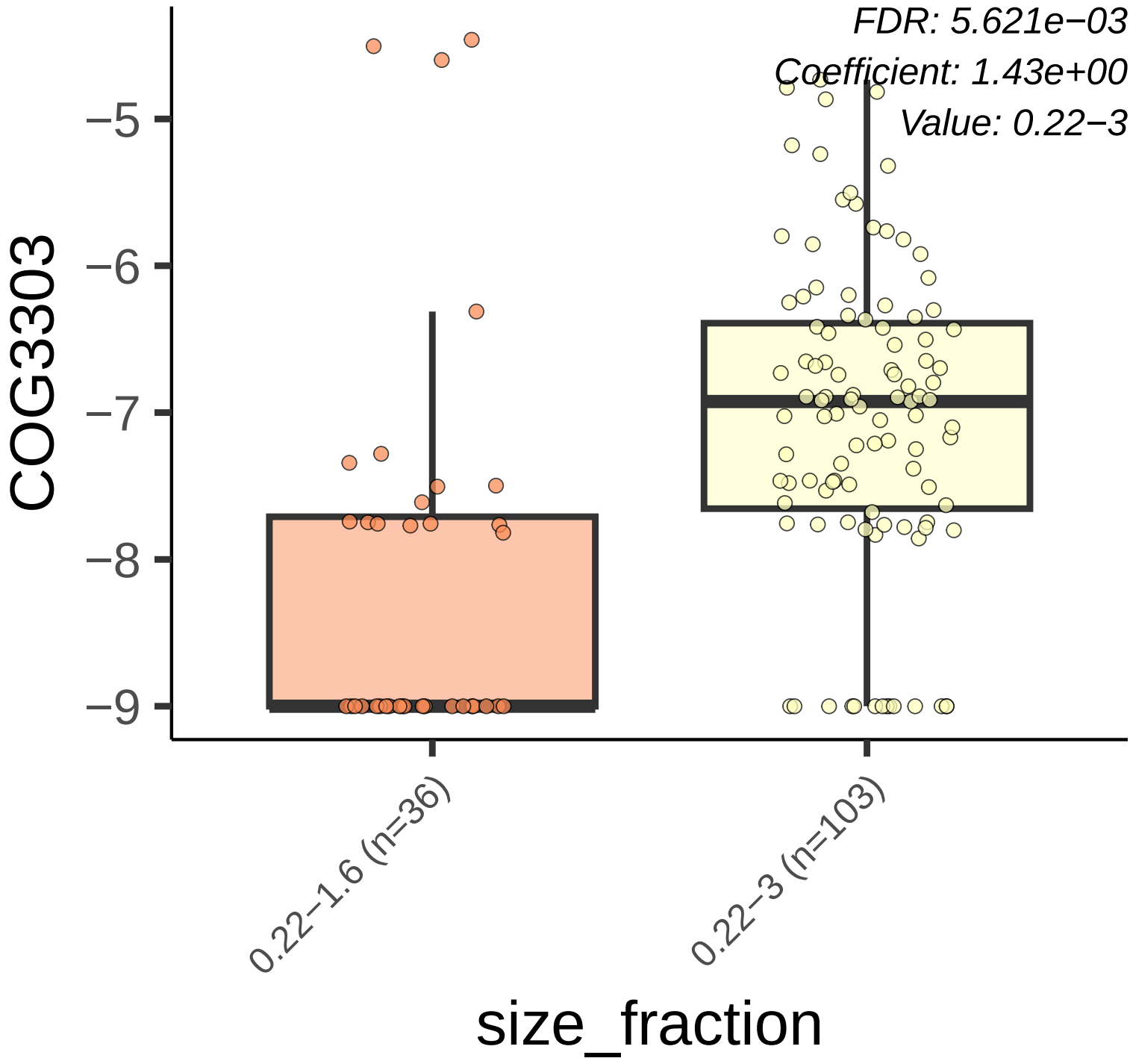

FDR: 5.357e−03
Coefficient: 3.34e−01
Value: 0.22−3
COG2706
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

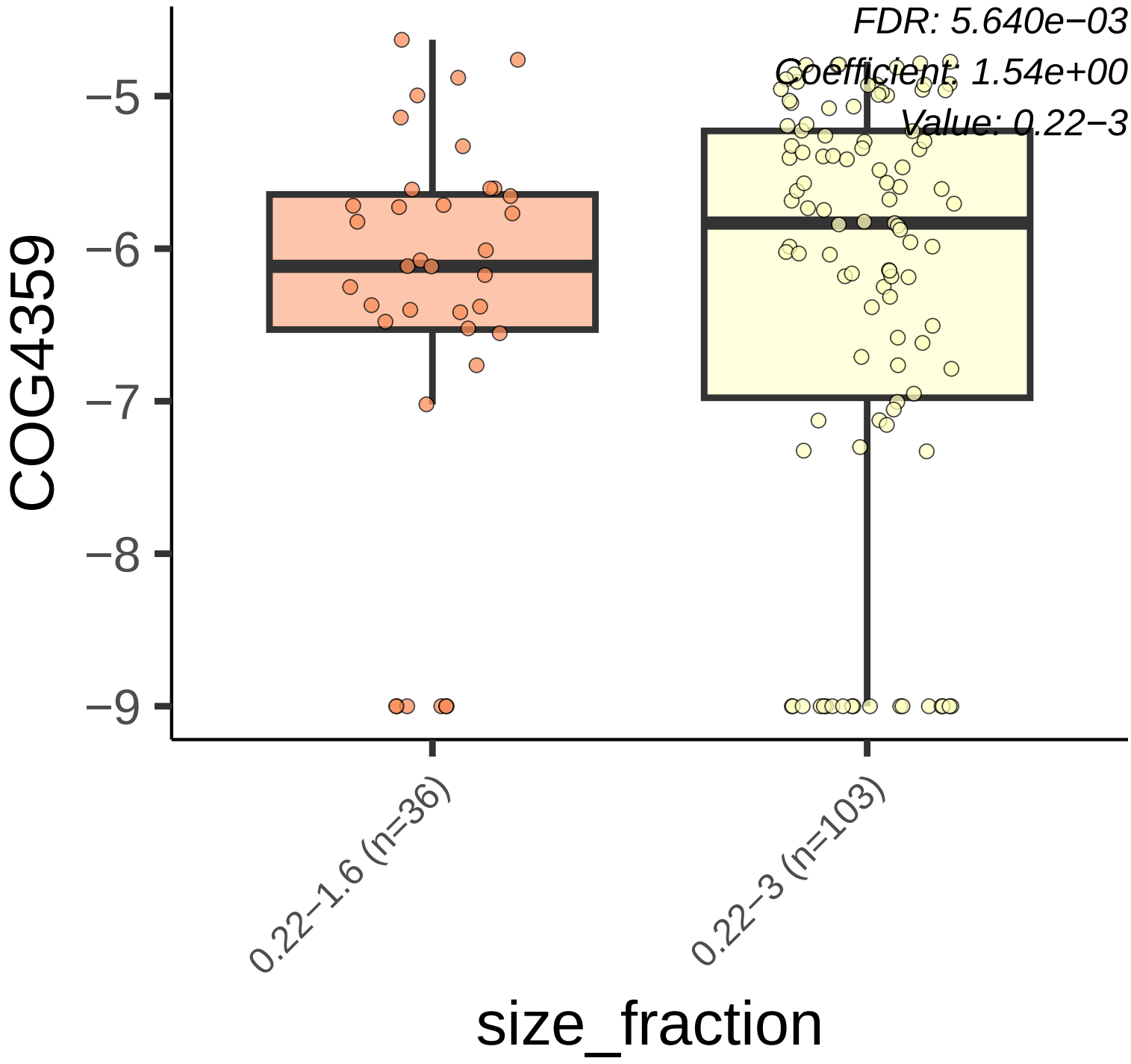

FDR: 5.376e−03
Coefficient: 3.39e−01
Value: 0.22−3
COG2315
−4.4
−4.8
−5.2
−5.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

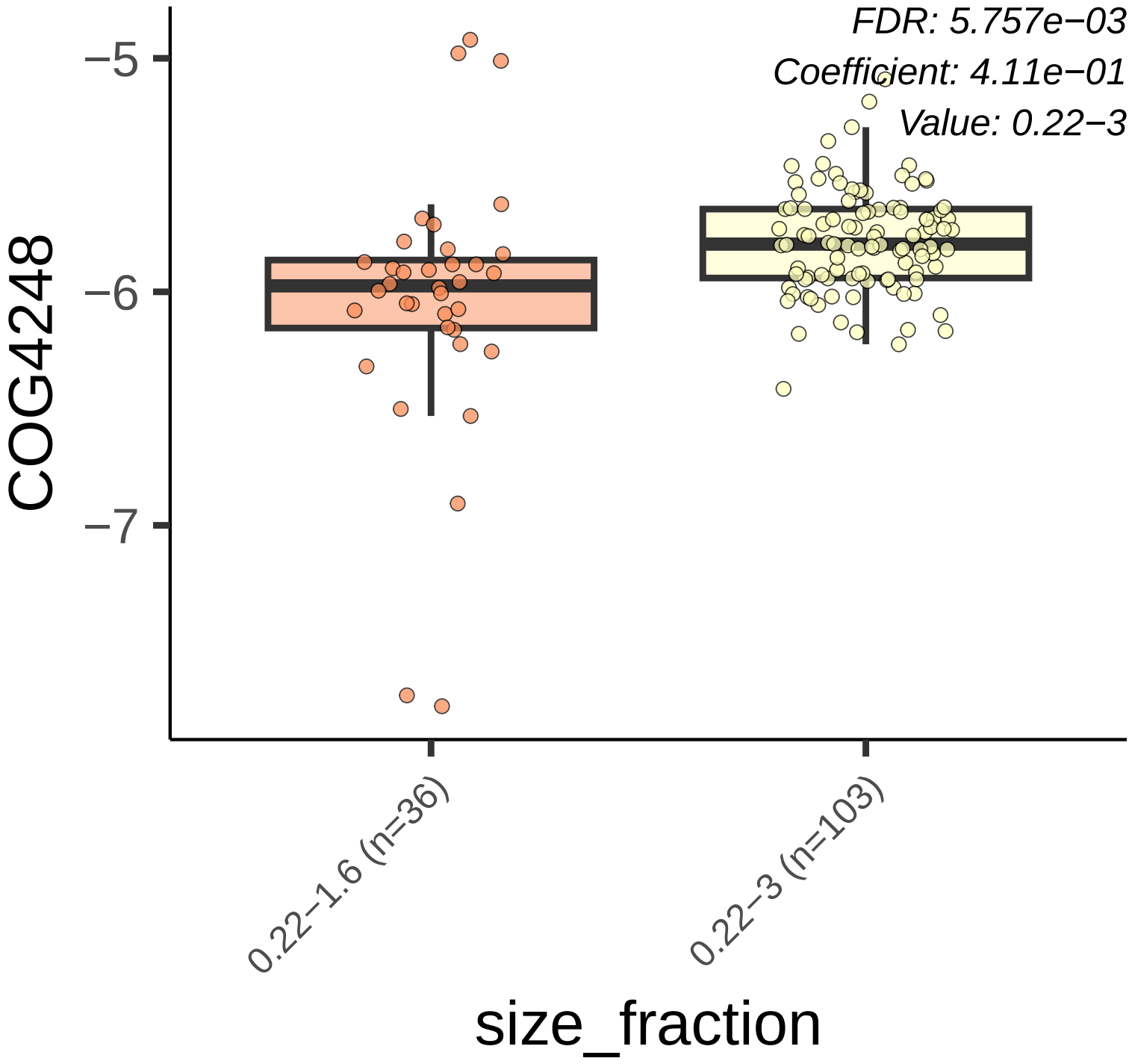

FDR: 5.378e−03
Coefficient: 7.68e−01
Value: 0.22−3
COG2316
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

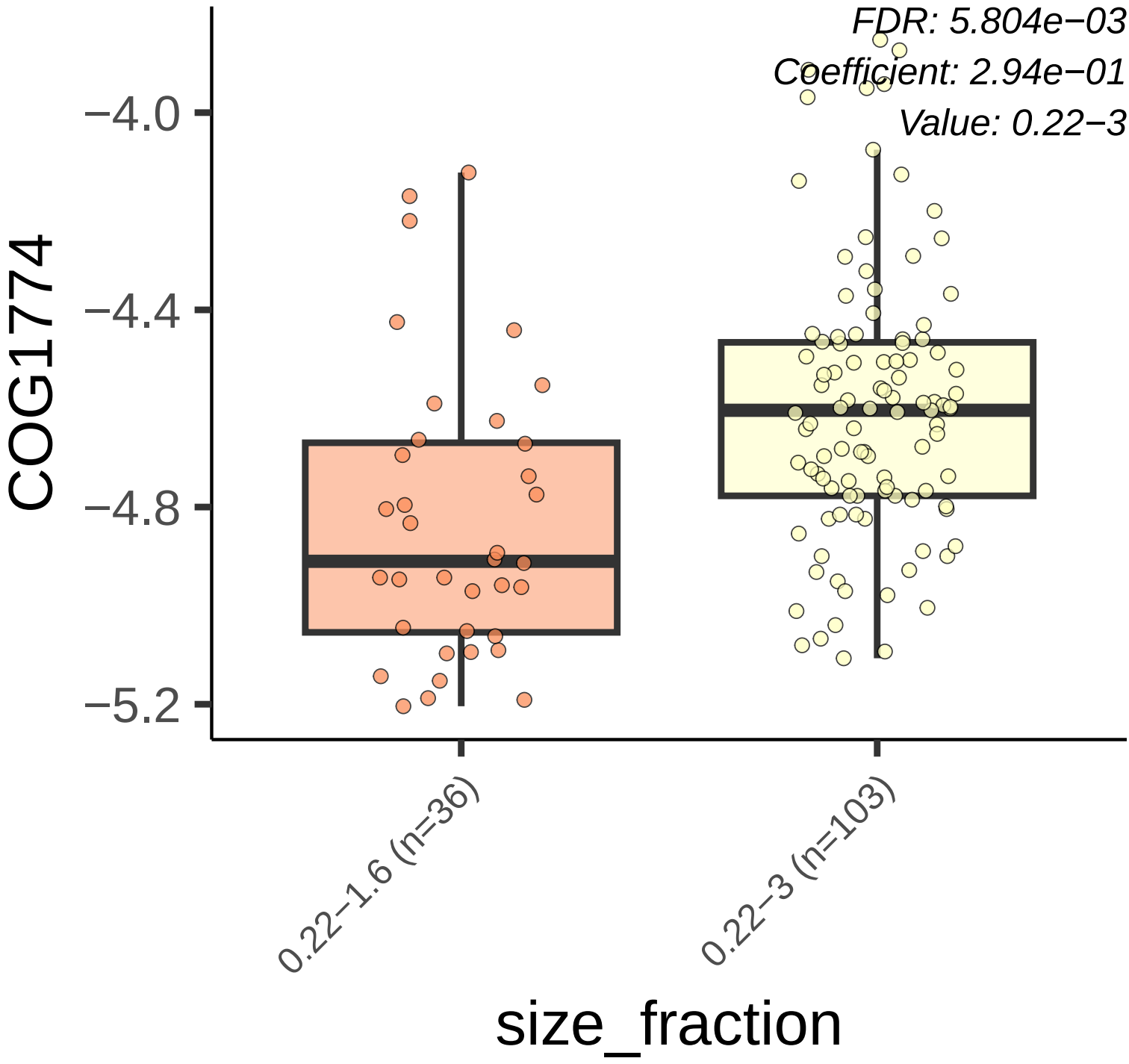

FDR: 5.479e−03
Coefficient: 4.94e−01
Value: 0.22−3
COG1315
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

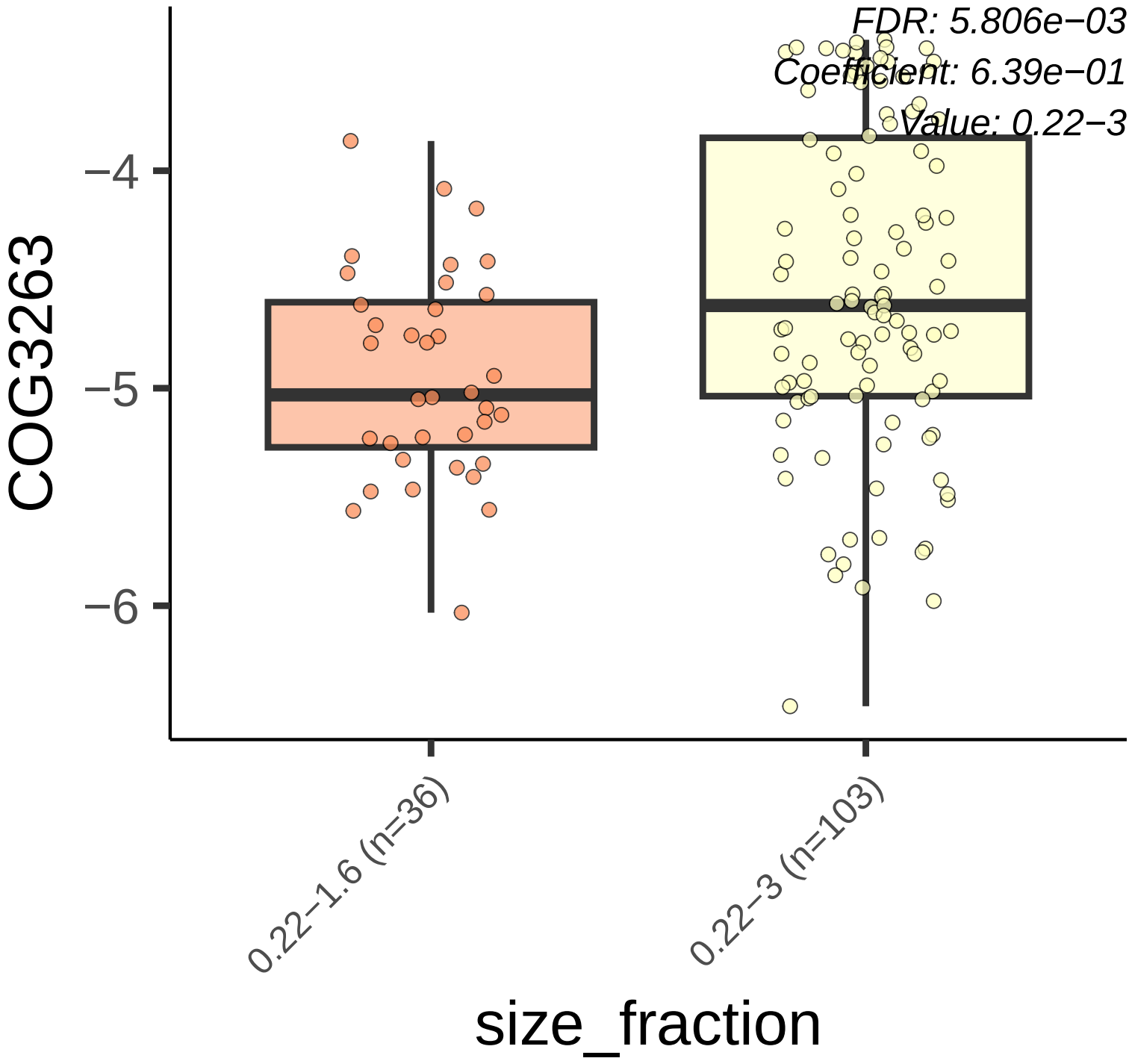

FDR: 5.511e−03
Coefficient: 3.53e−01
Value: 0.22−3
COG0043
−3.5
−4.0
−4.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

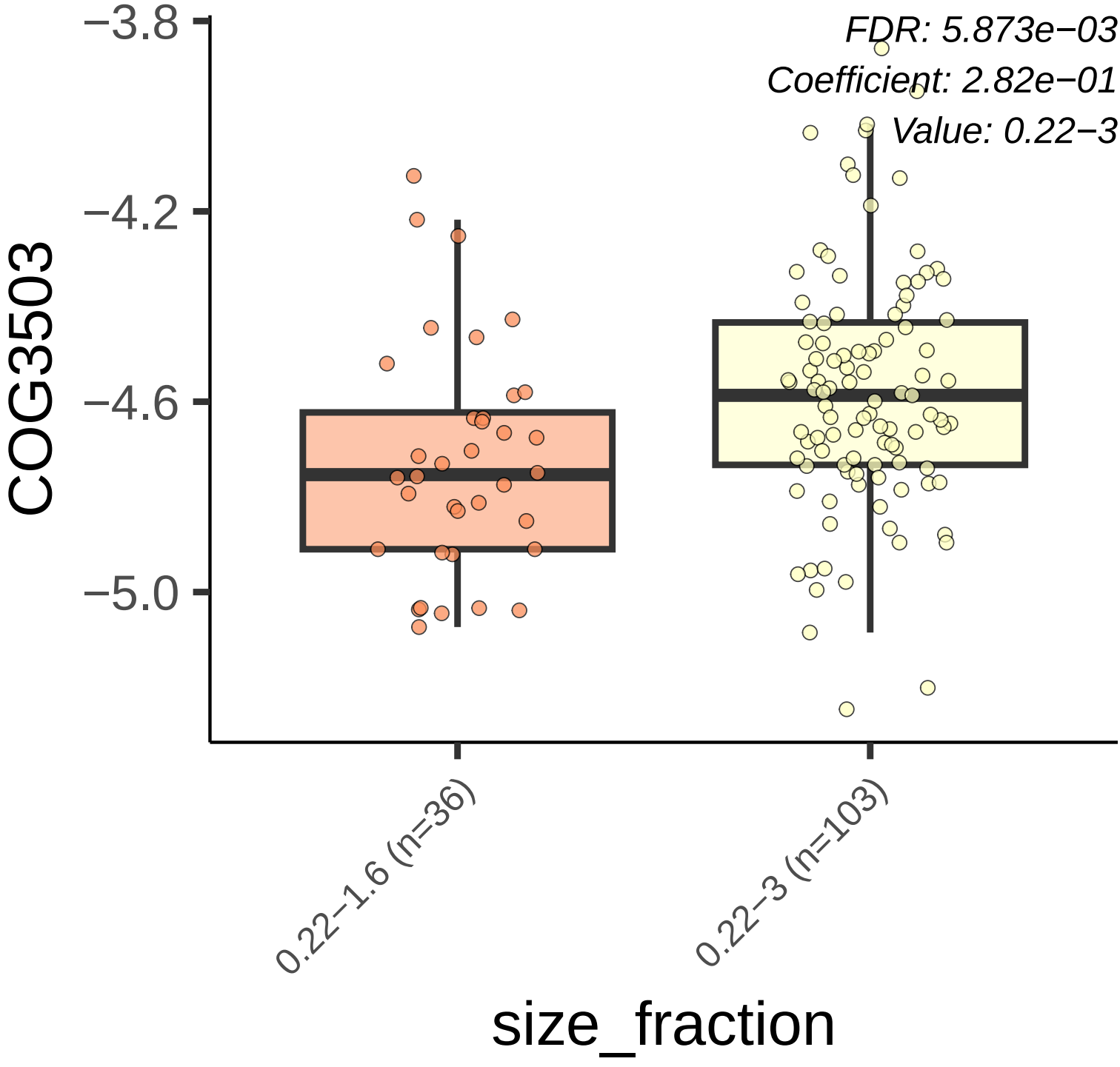

FDR: 5.621e−03
Coefficient: 1.43e+00
Value: 0.22−3
COG3303
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

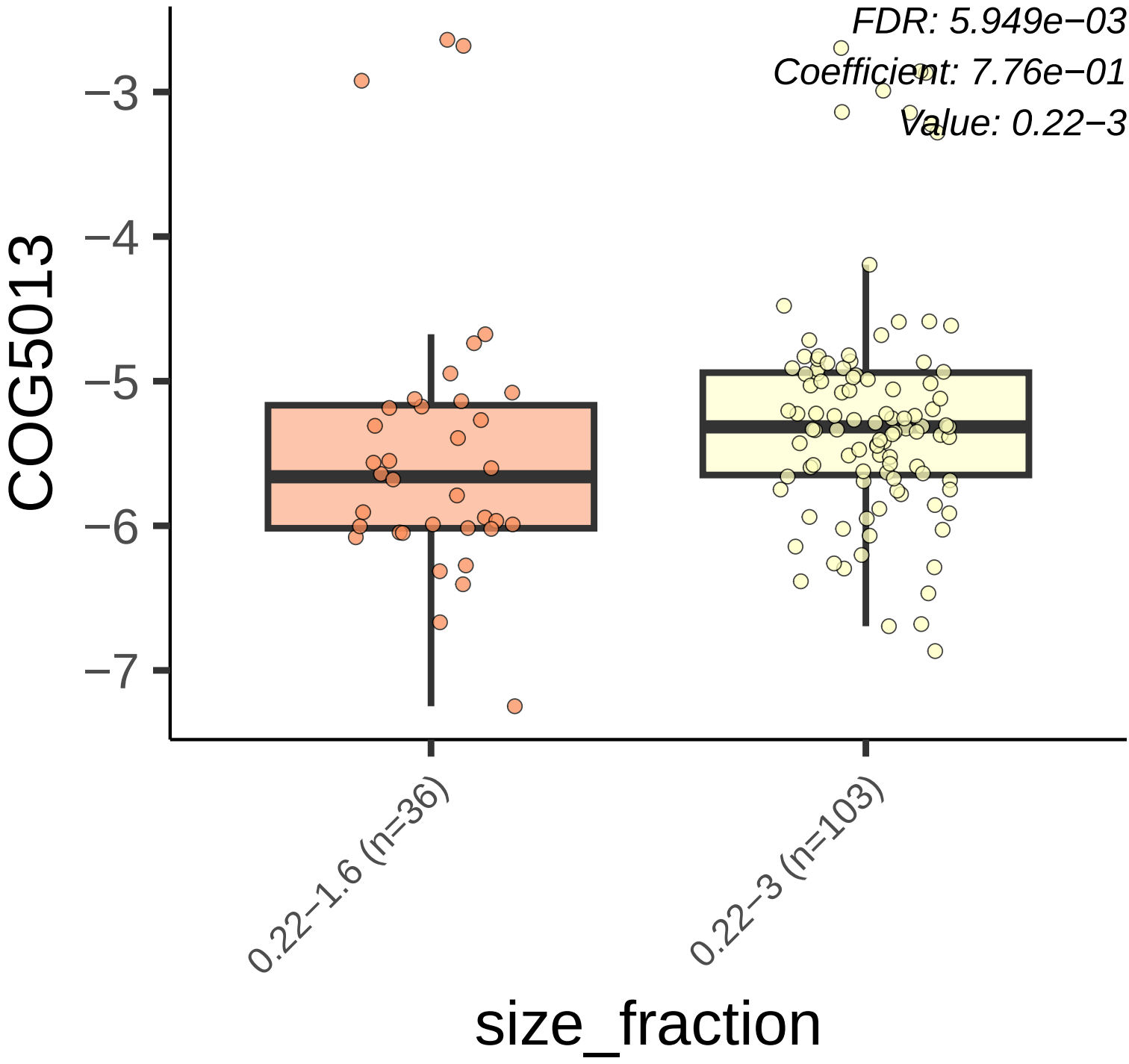

FDR: 5.640e−03
Coefficient: 1.54e+00
Value: 0.22−3
COG4359
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

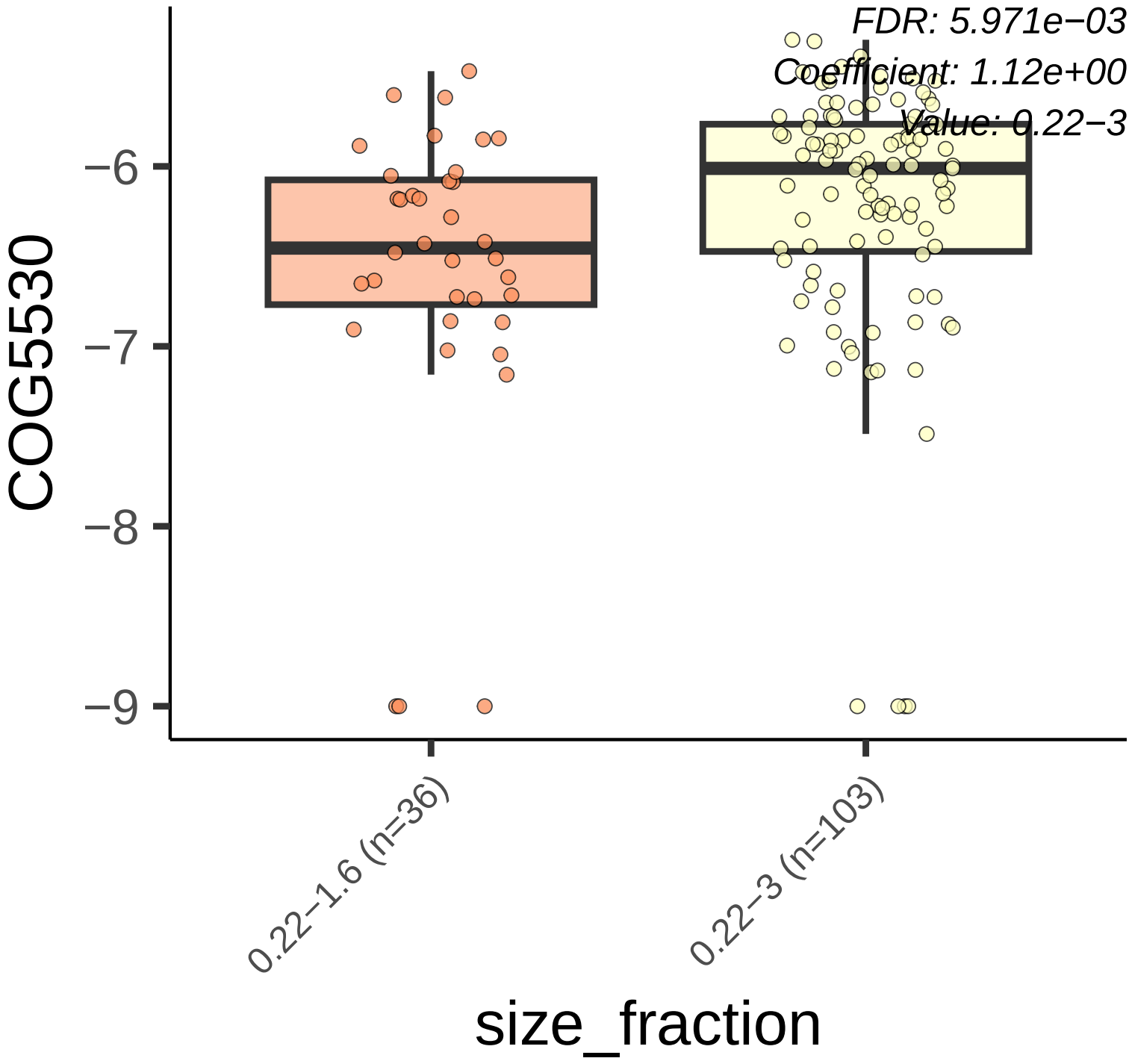

FDR: 5.757e−03
Coefficient: 4.11e−01
Value: 0.22−3
COG4248
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

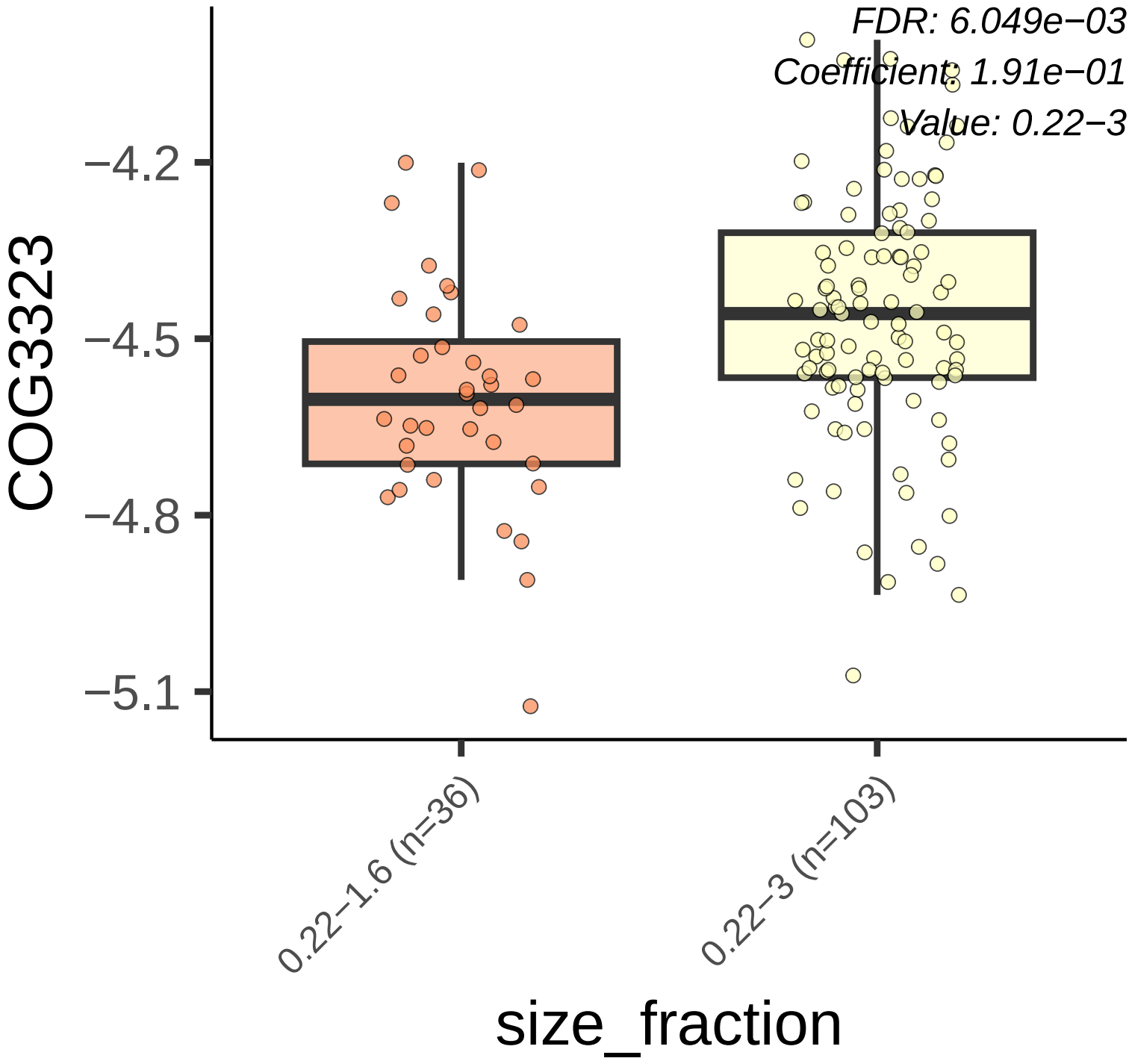

FDR: 5.804e−03
Coefficient: 2.94e−01
Value: 0.22−3
COG1774
−4.0
−4.4
−4.8
−5.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

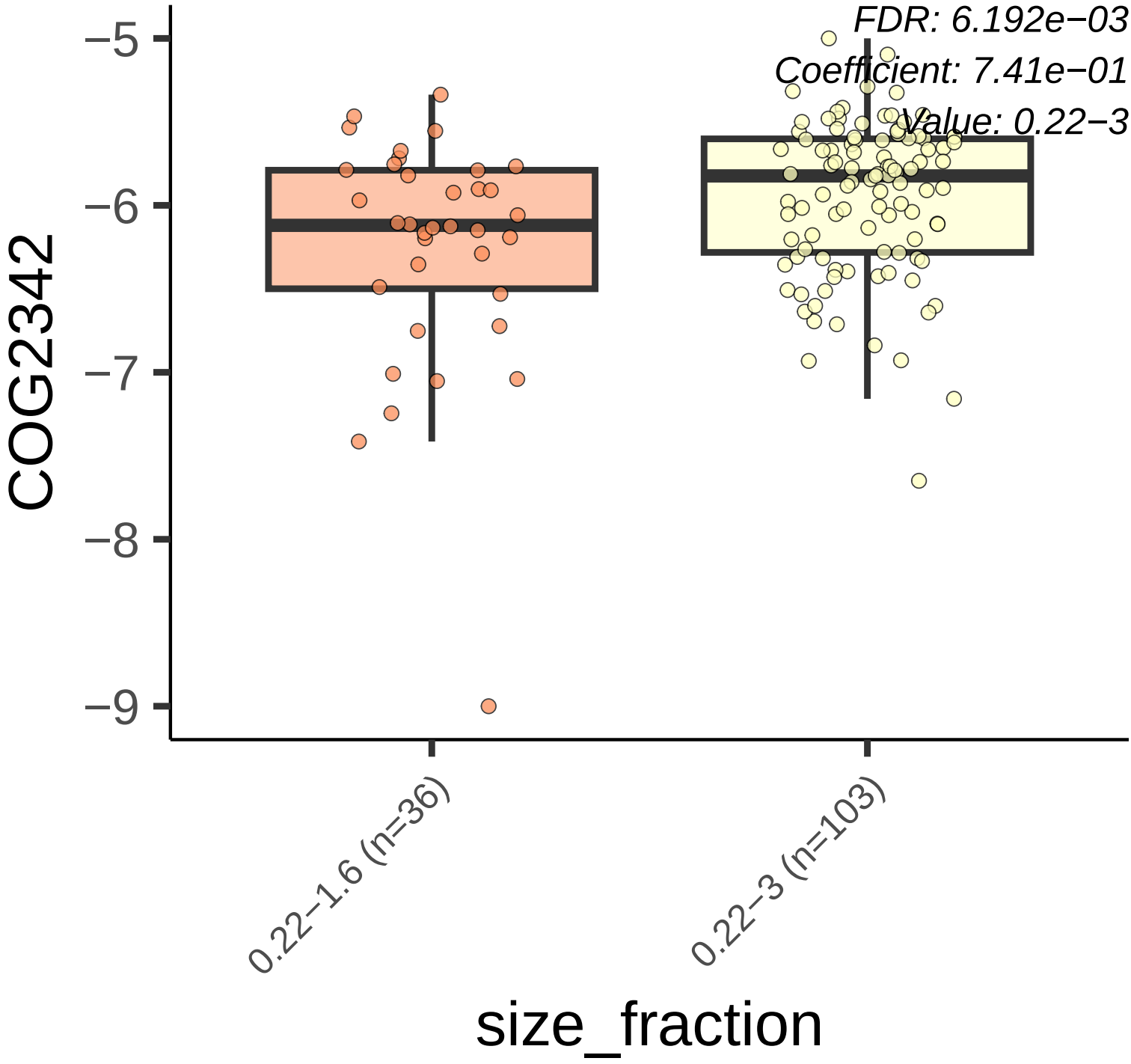

FDR: 5.806e−03
Coefficient: 6.39e−01
Value: 0.22−3
COG3263
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

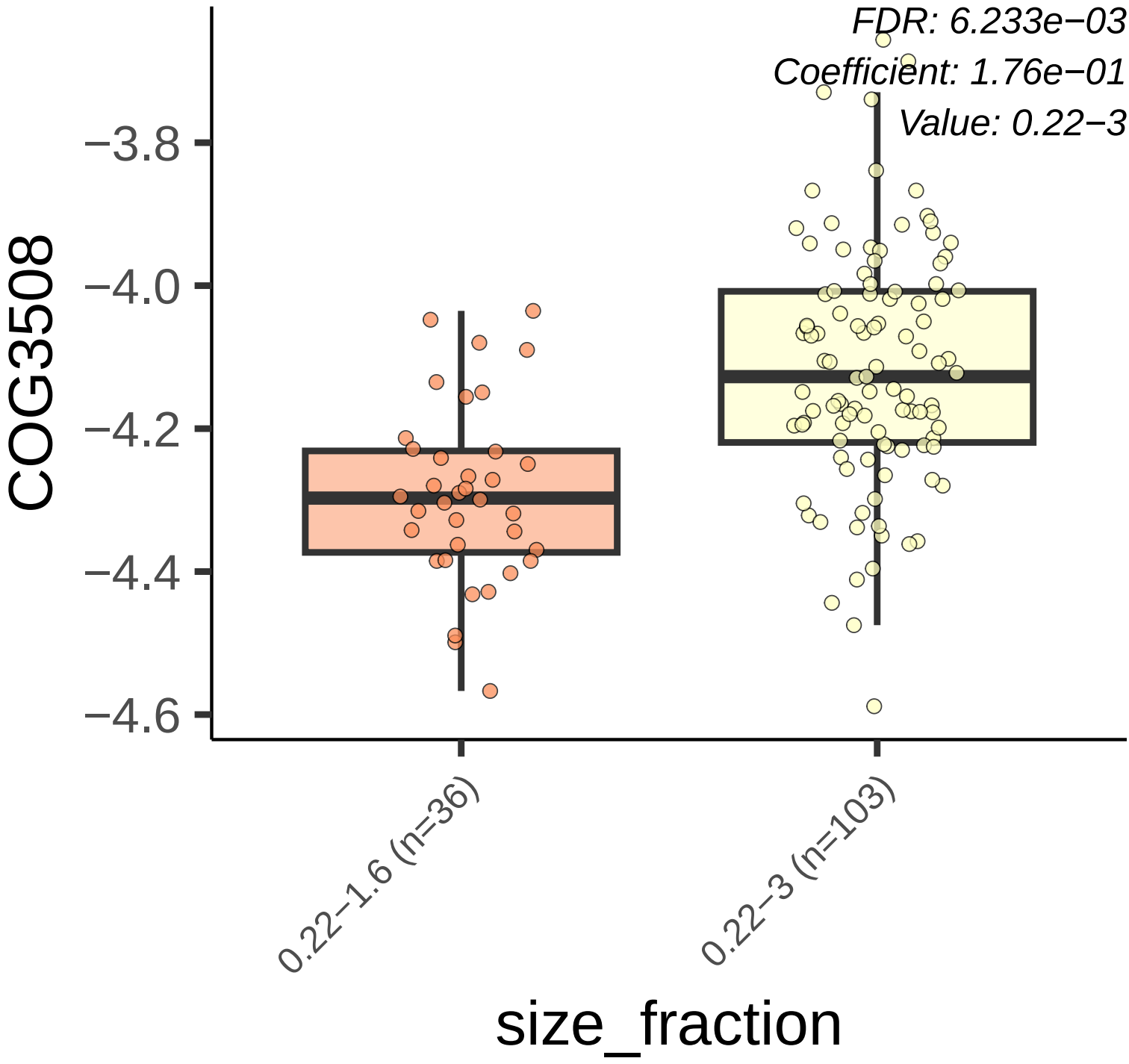

FDR: 5.873e−03
Coefficient: 2.82e−01
Value: 0.22−3
−3.8
−4.2
−4.6
−5.0
COG3503
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

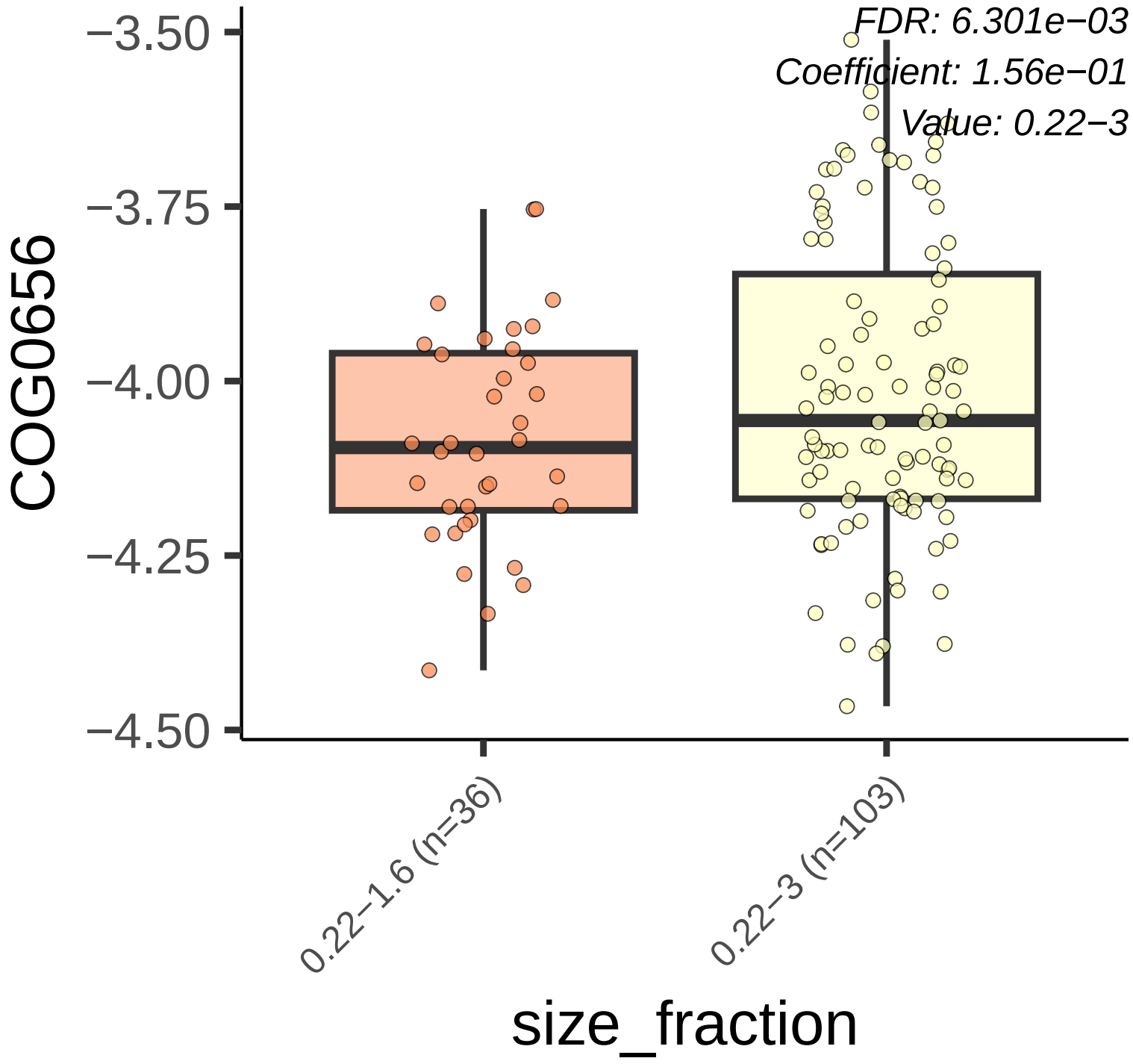

FDR: 5.949e−03
Coefficient: 7.76e−01
Value: 0.22−3
COG5013
−3
−4
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

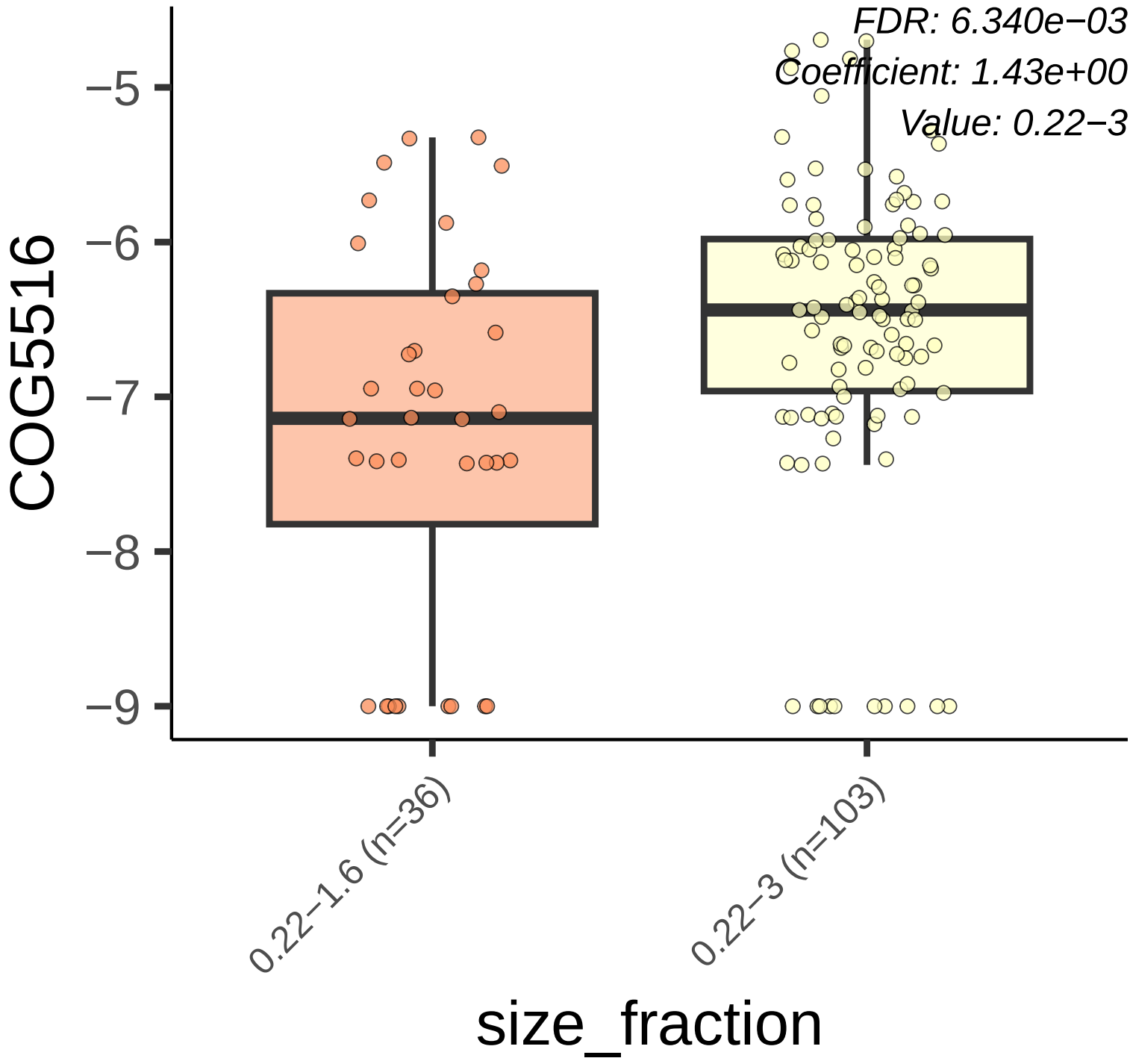

FDR: 5.971e−03
Coefficient: 1.12e+00
Value: 0.22−3
COG5530
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

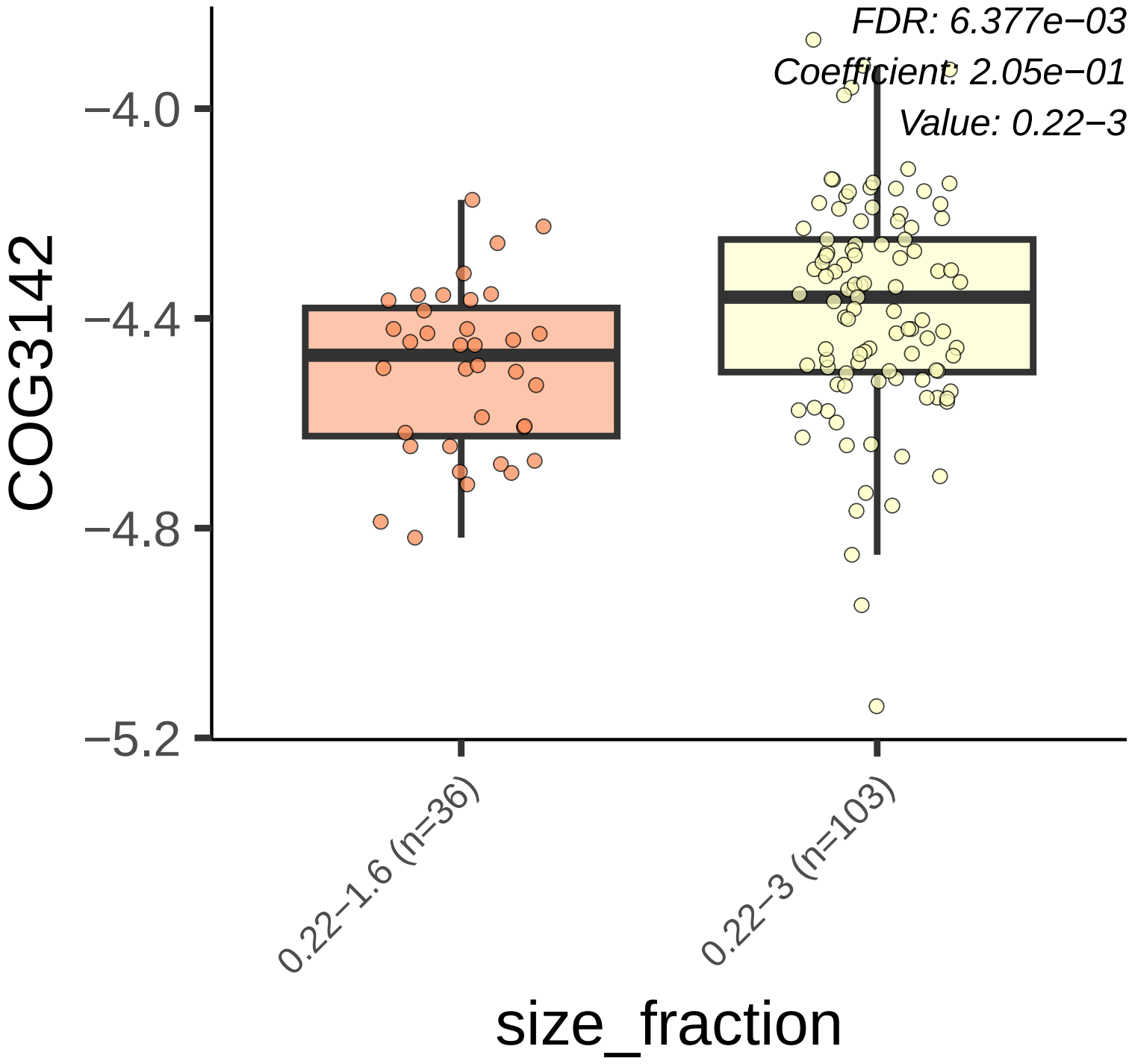

FDR: 6.049e−03
Coefficient: 1.91e−01
Value: 0.22−3
COG3323
−4.2
−4.5
−4.8
−5.1
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

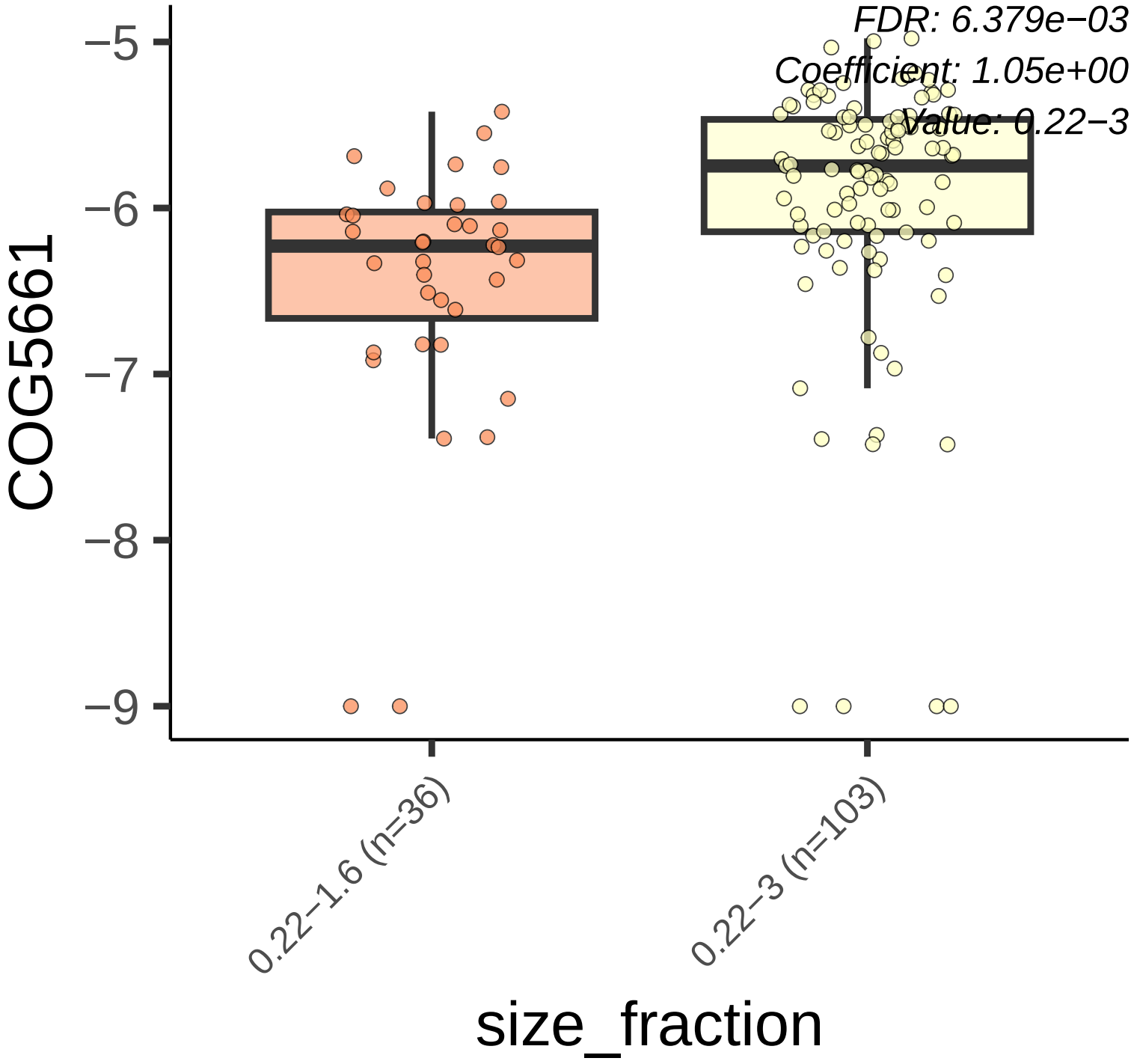

FDR: 6.192e−03
Coefficient: 7.41e−01
Value: 0.22−3
COG2342
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

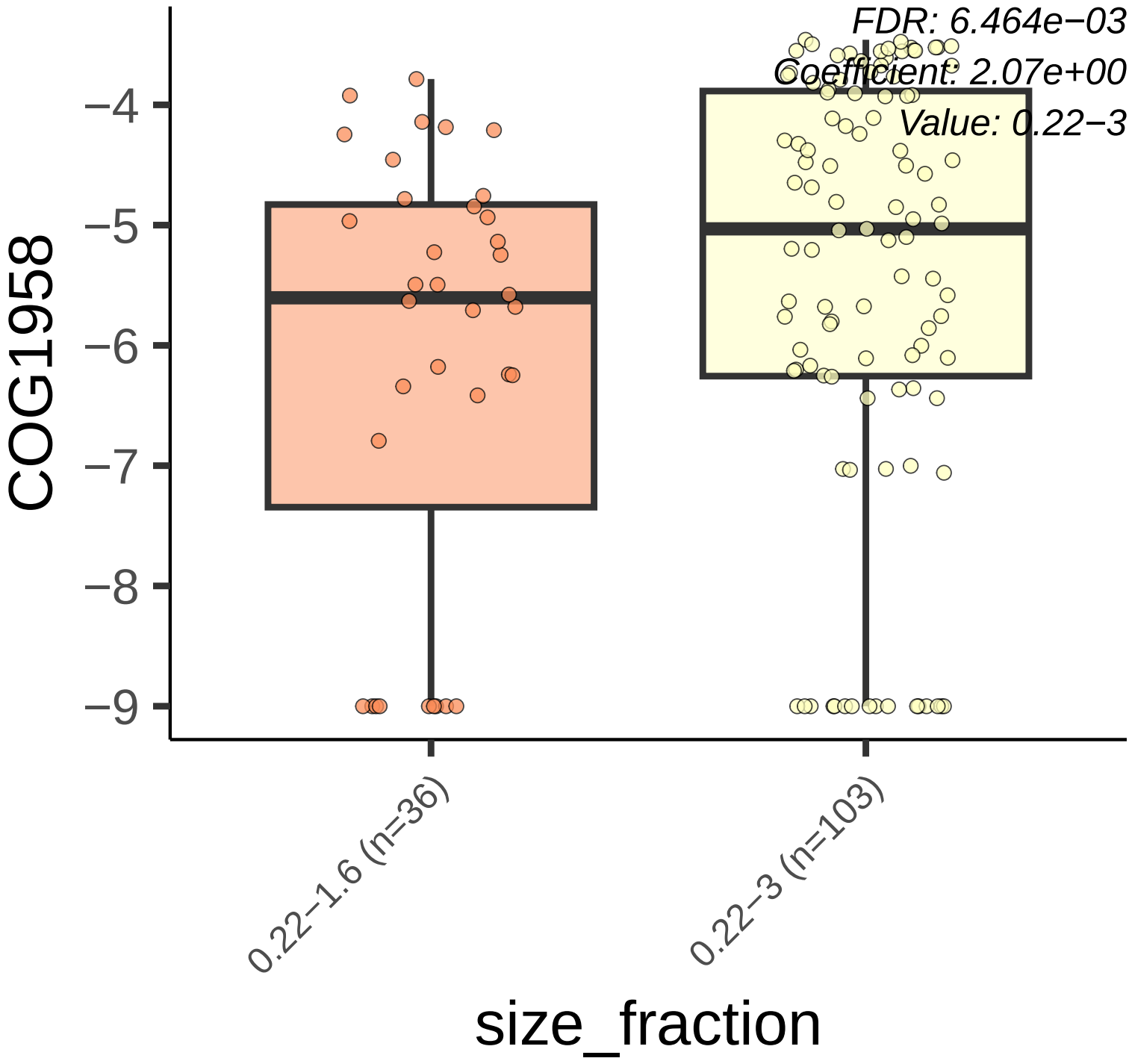

FDR: 6.233e−03
Coefficient: 1.76e−01
Value: 0.22−3
COG3508
−3.8
−4.0
−4.2
−4.4
−4.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

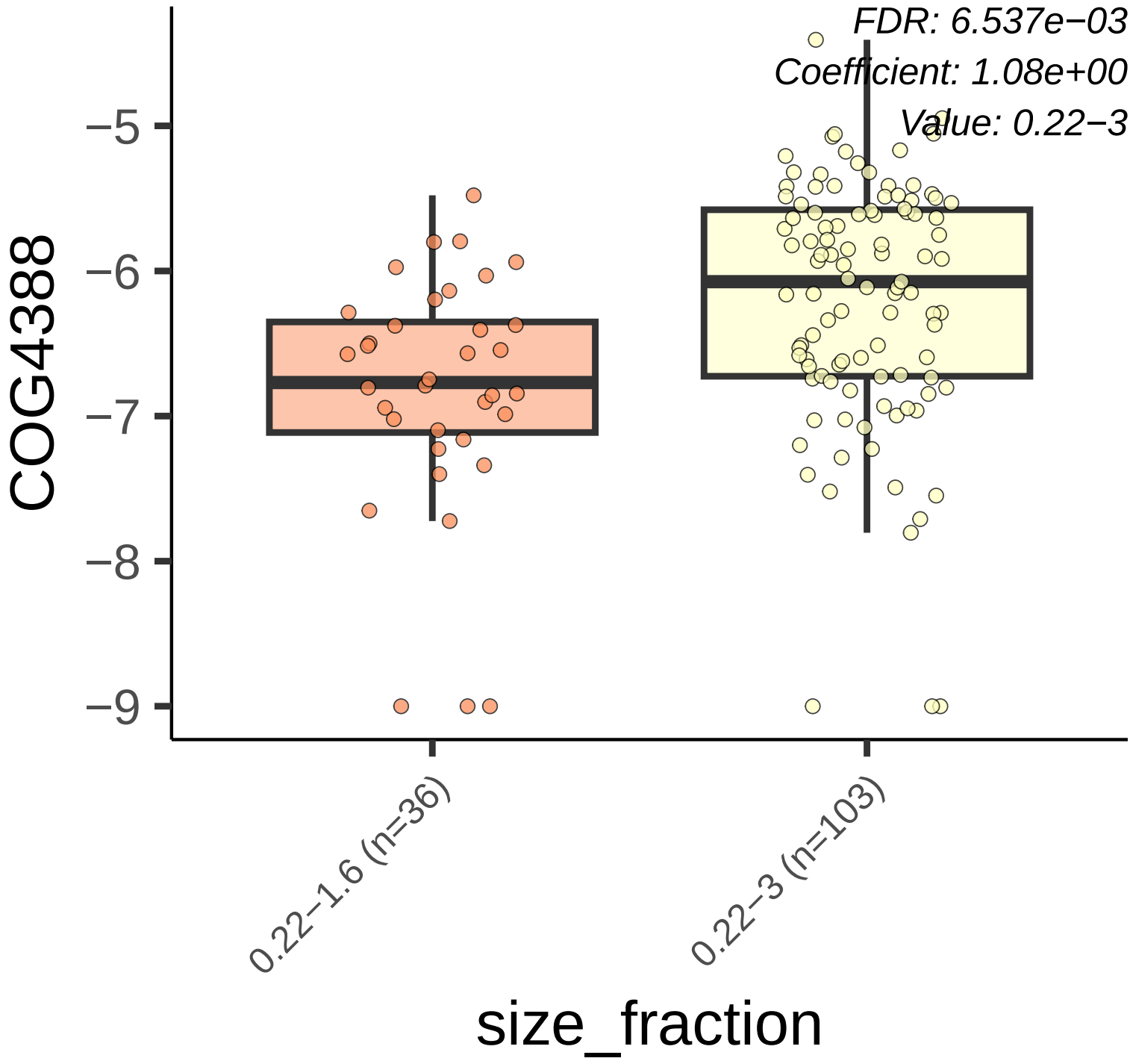

FDR: 6.301e−03
Coefficient: 1.56e−01
Value: 0.22−3
COG0656
−3.50
−3.75
−4.00
−4.25
−4.50
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

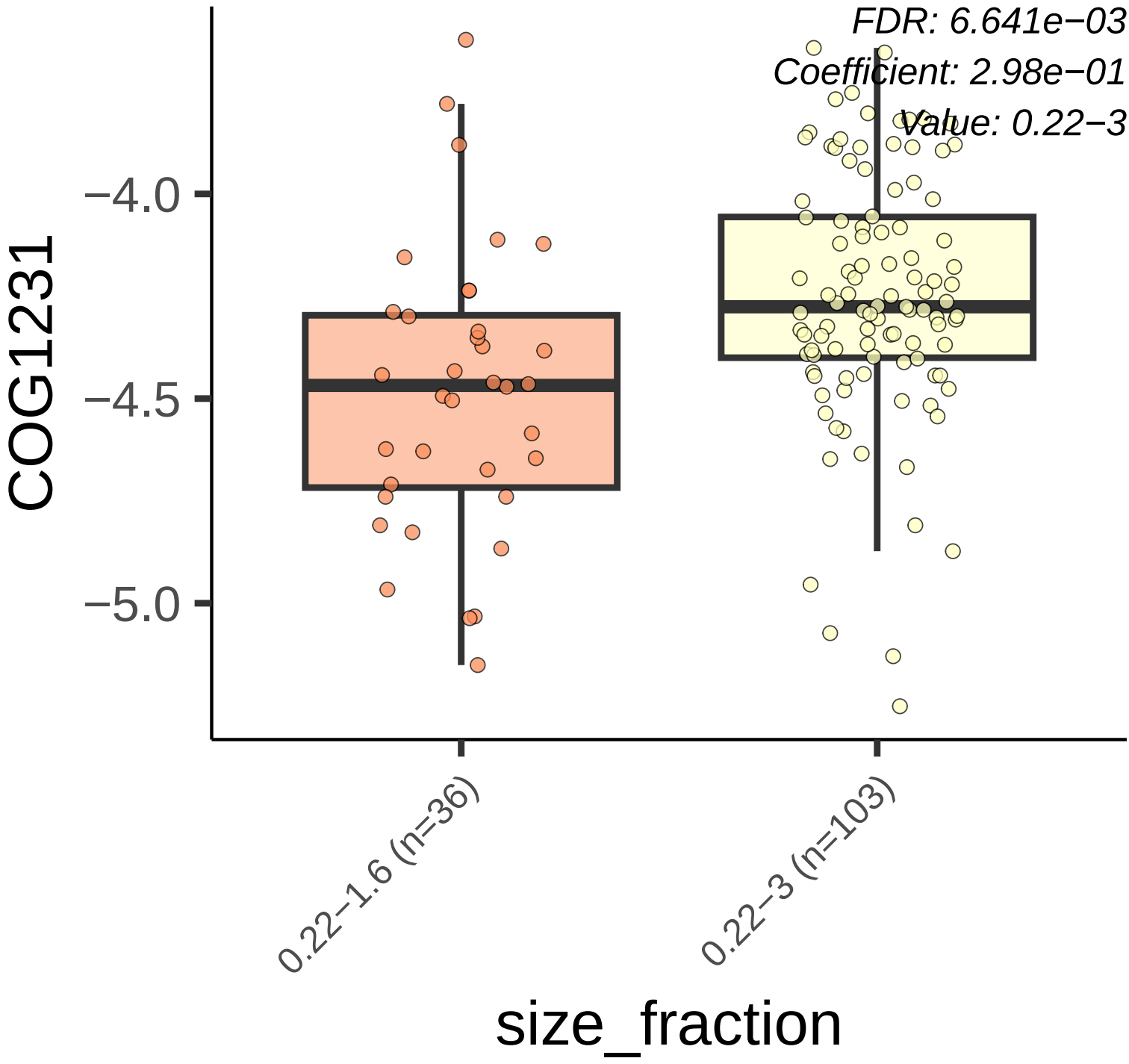

FDR: 6.340e−03
Coefficient: 1.43e+00
Value: 0.22−3
COG5516
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

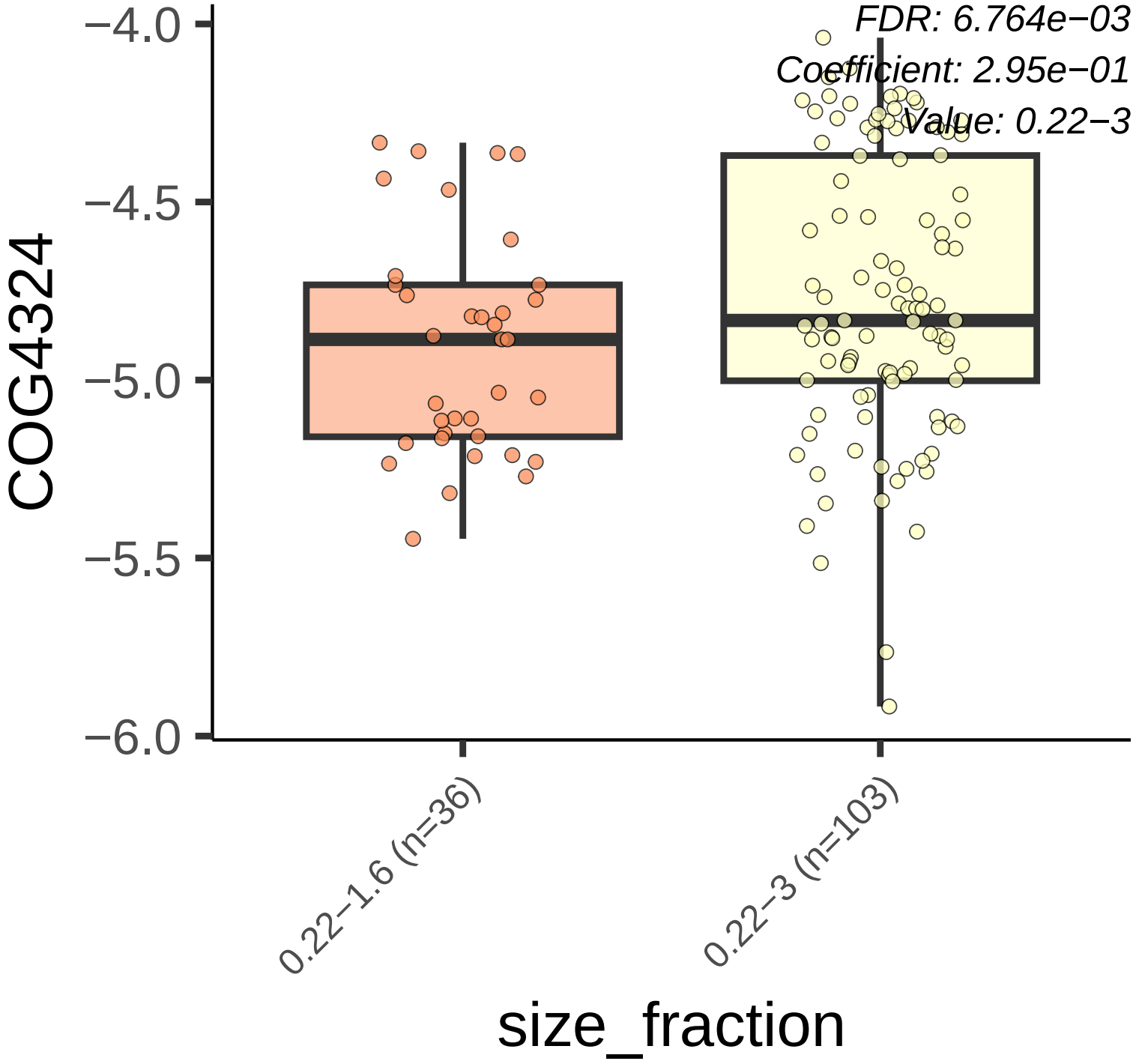

FDR: 6.377e−03
Coefficient: 2.05e−01
Value: 0.22−3
COG3142
−4.0
−4.4
−4.8
−5.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

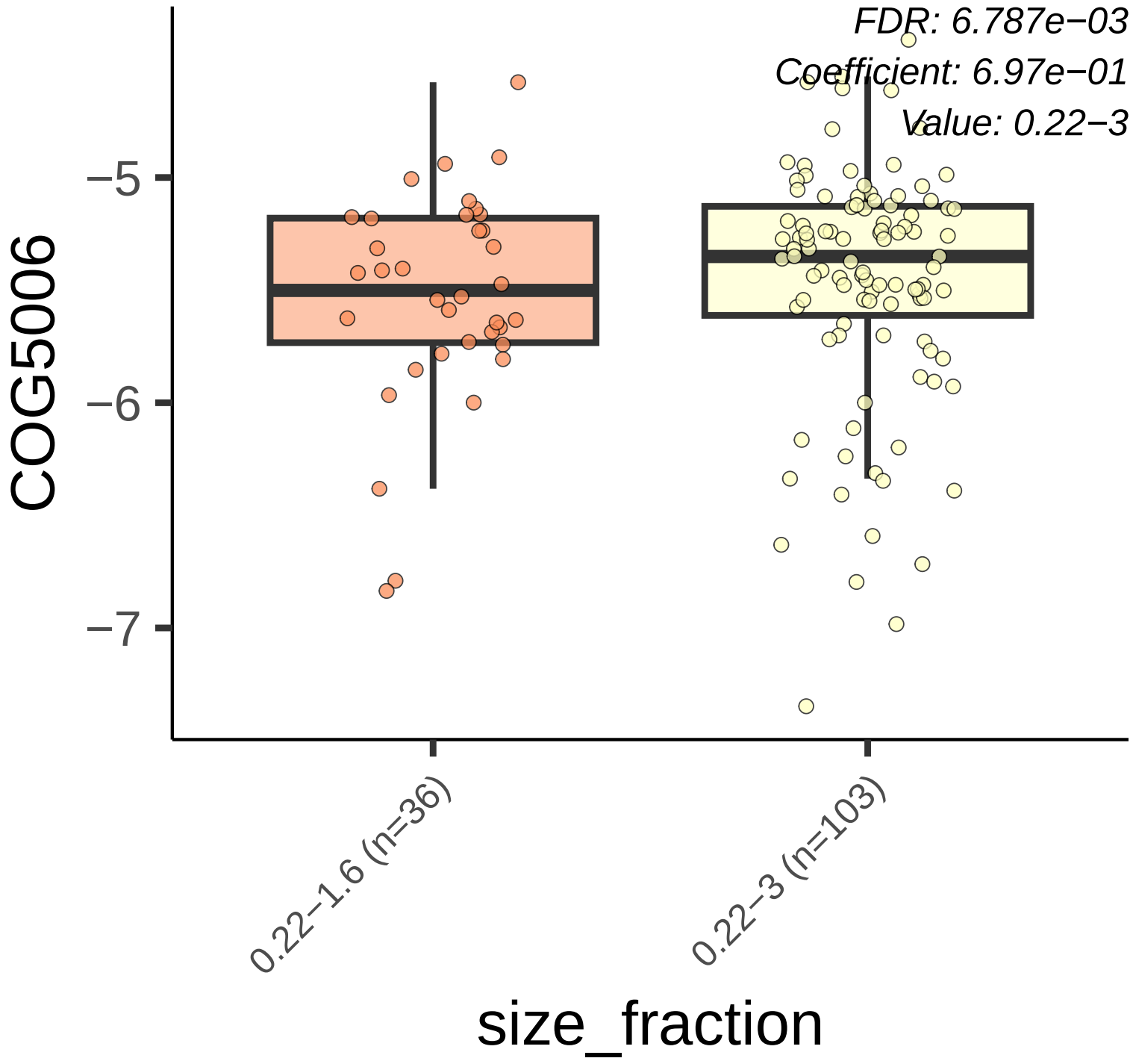

FDR: 6.379e−03
Coefficient: 1.05e+00
Value: 0.22−3
COG5661
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

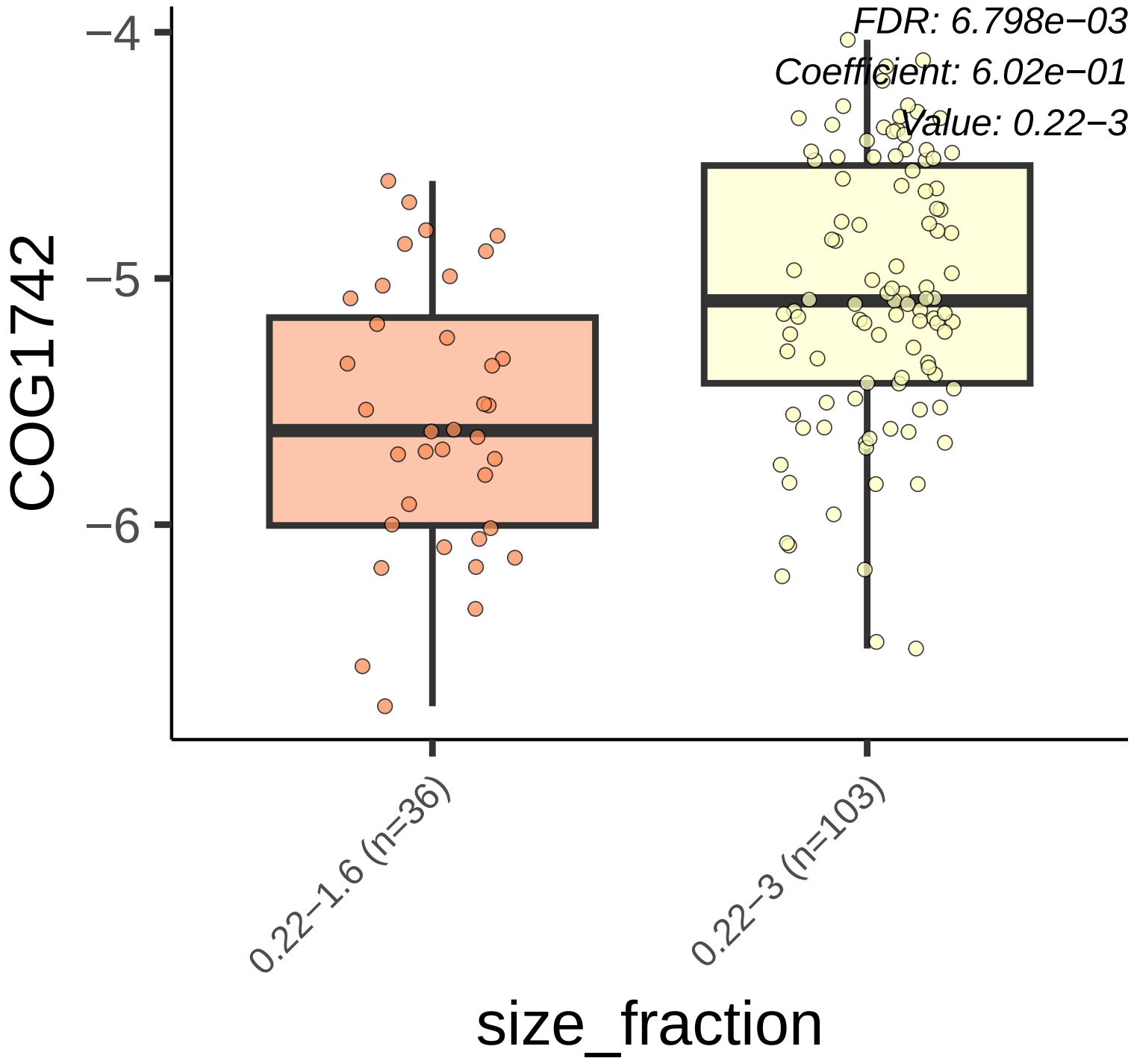

FDR: 6.464e−03
Coefficient: 2.07e+00
Value: 0.22−3
COG1958
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

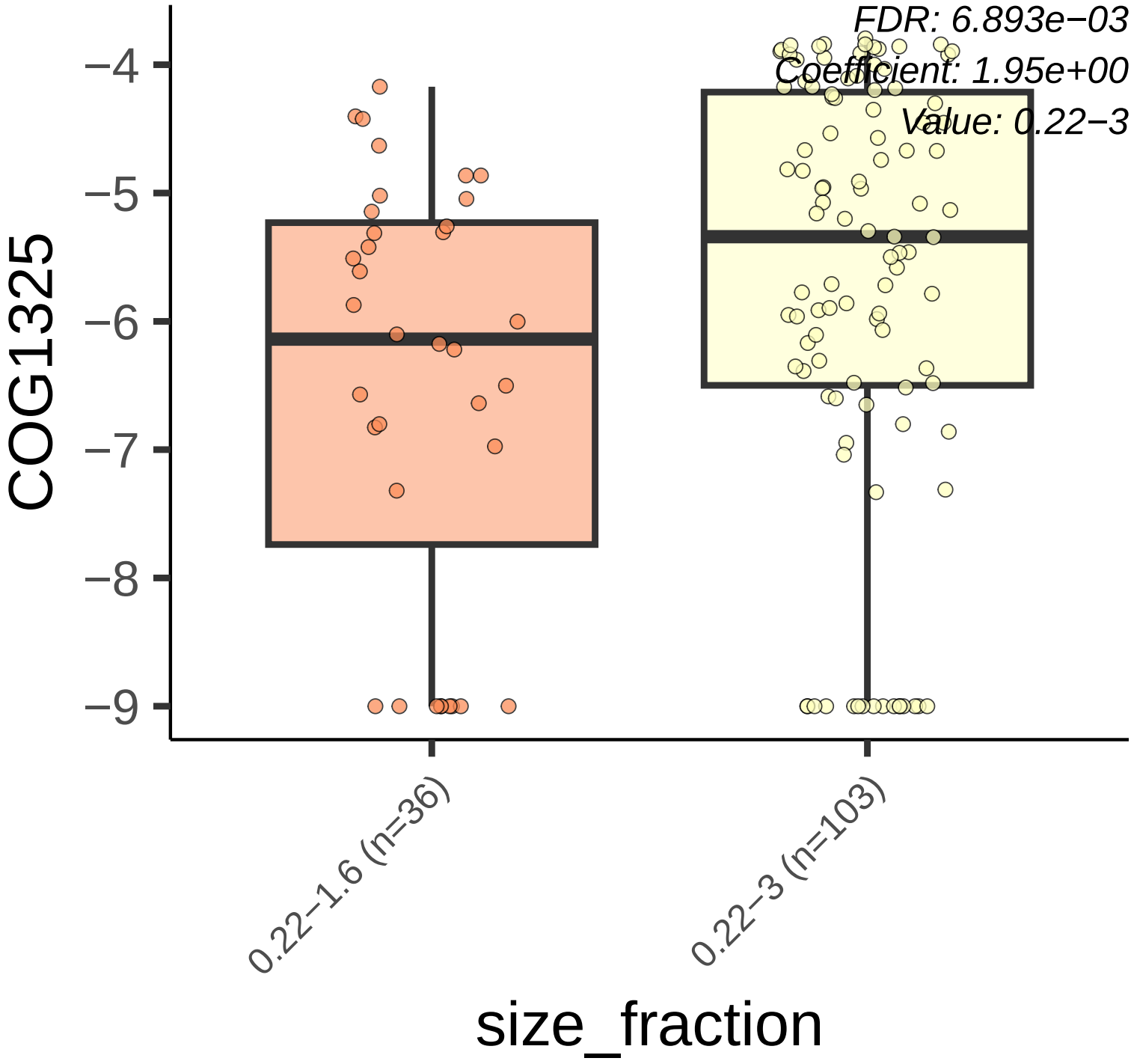

FDR: 6.537e−03
Coefficient: 1.08e+00
Value: 0.22−3
COG4388
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

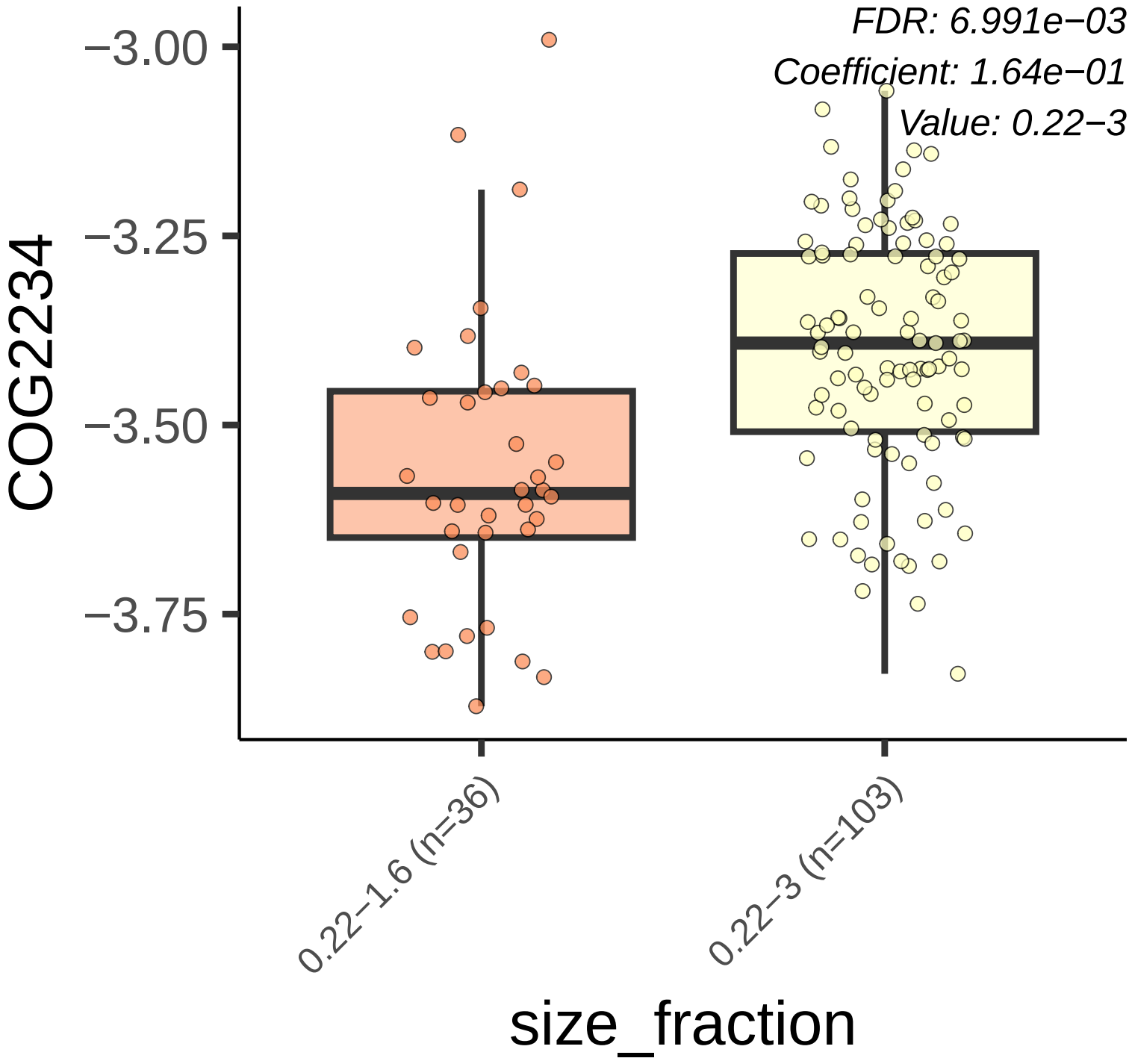

FDR: 6.641e−03
Coefficient: 2.98e−01
Value: 0.22−3
COG1231
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

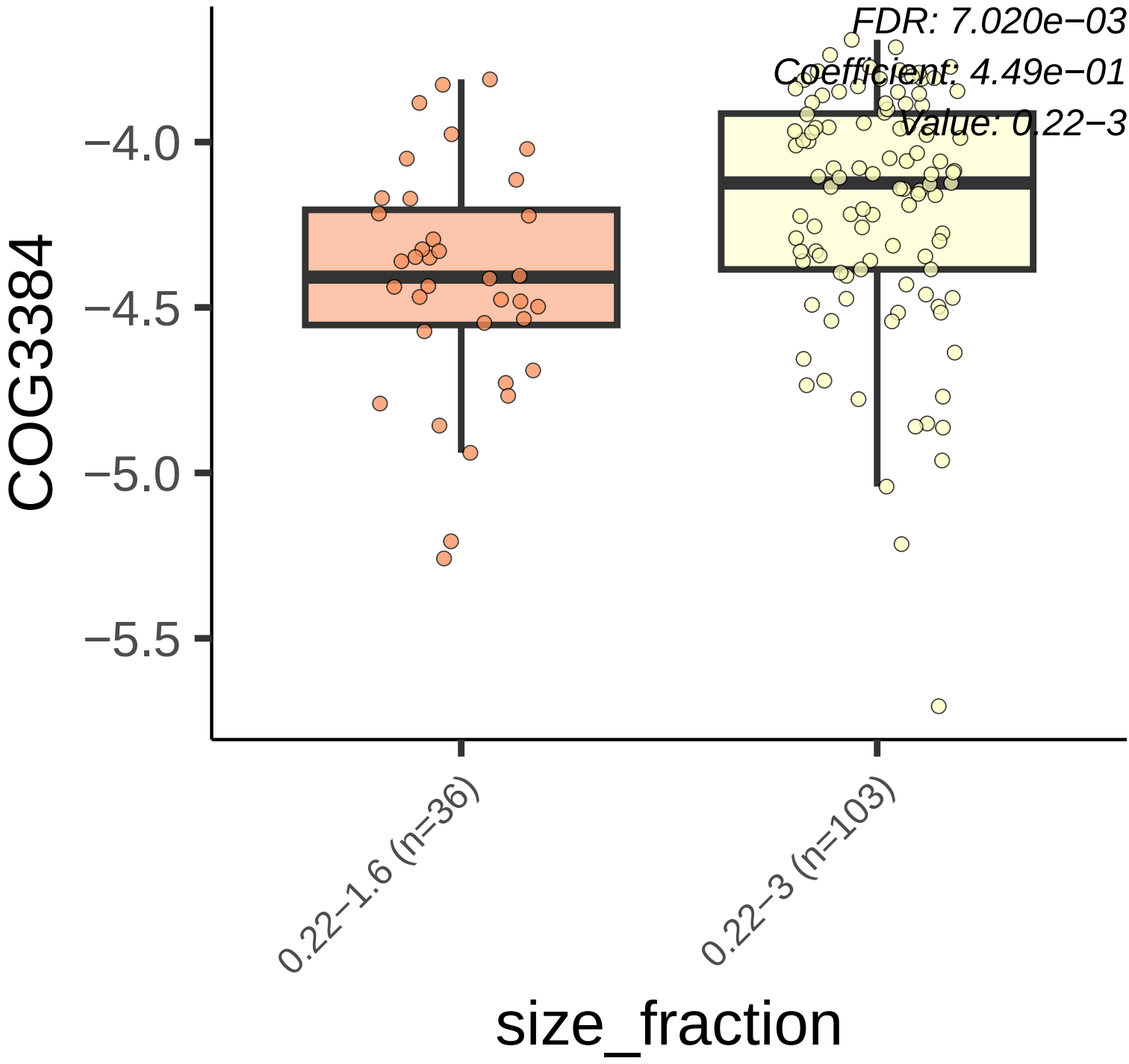

FDR: 6.764e−03
Coefficient: 2.95e−01
Value: 0.22−3
−4.0
−4.5
−5.0
−5.5
−6.0
COG4324
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

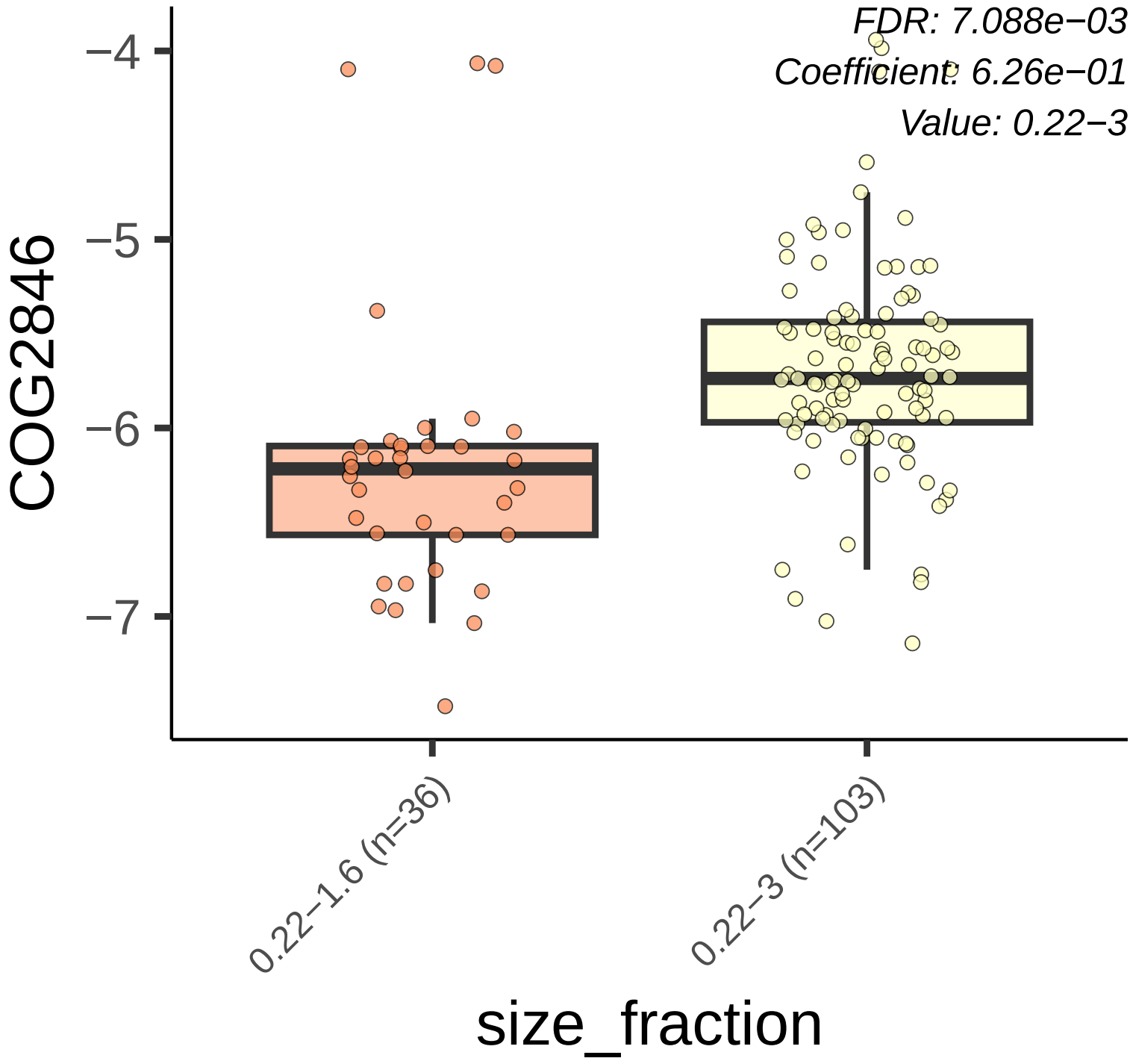

FDR: 6.787e−03
Coefficient: 6.97e−01
Value: 0.22−3
COG5006
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

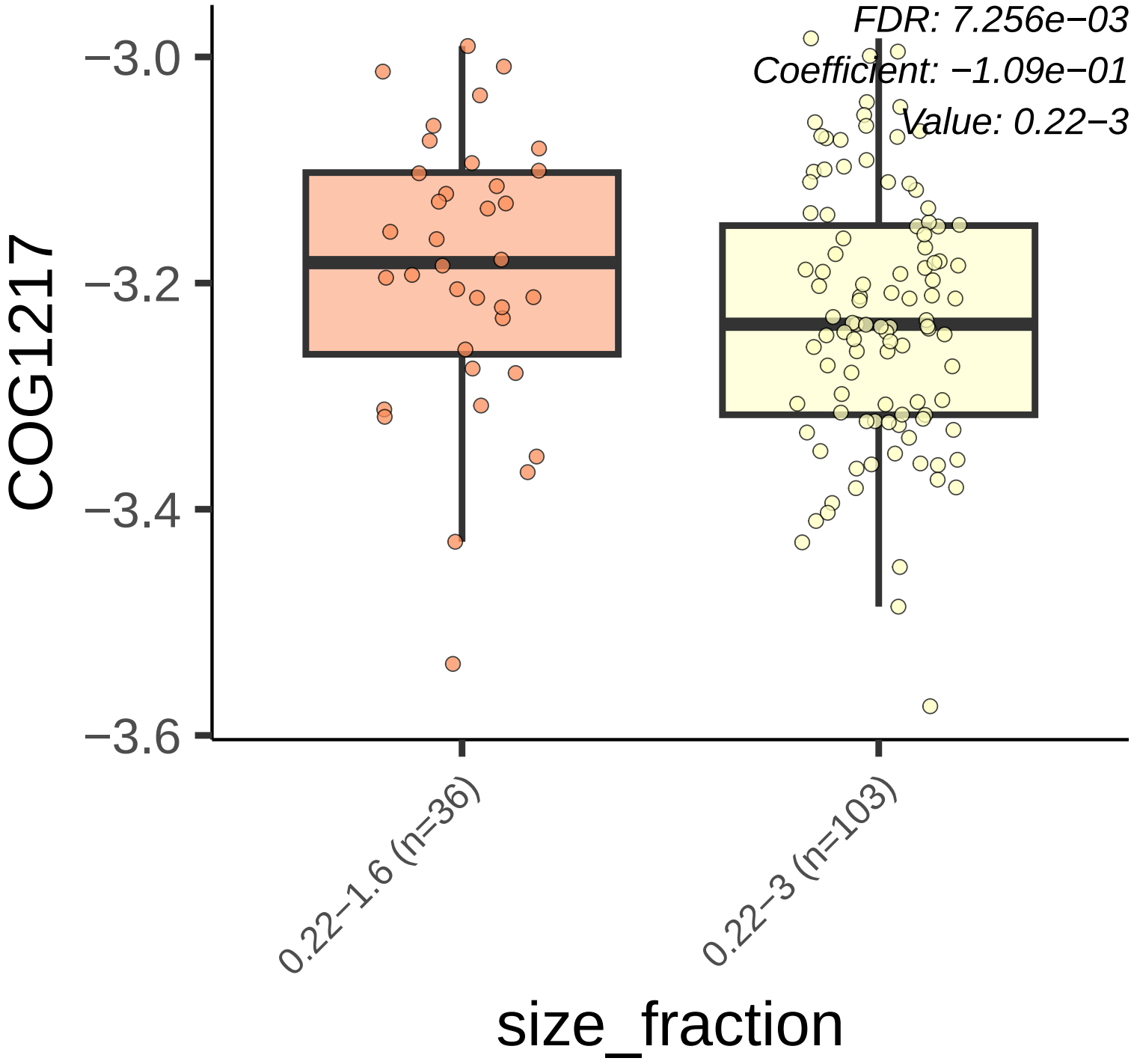

FDR: 6.798e−03
Coefficient: 6.02e−01
Value: 0.22−3
−4
−5
−6
COG1742
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

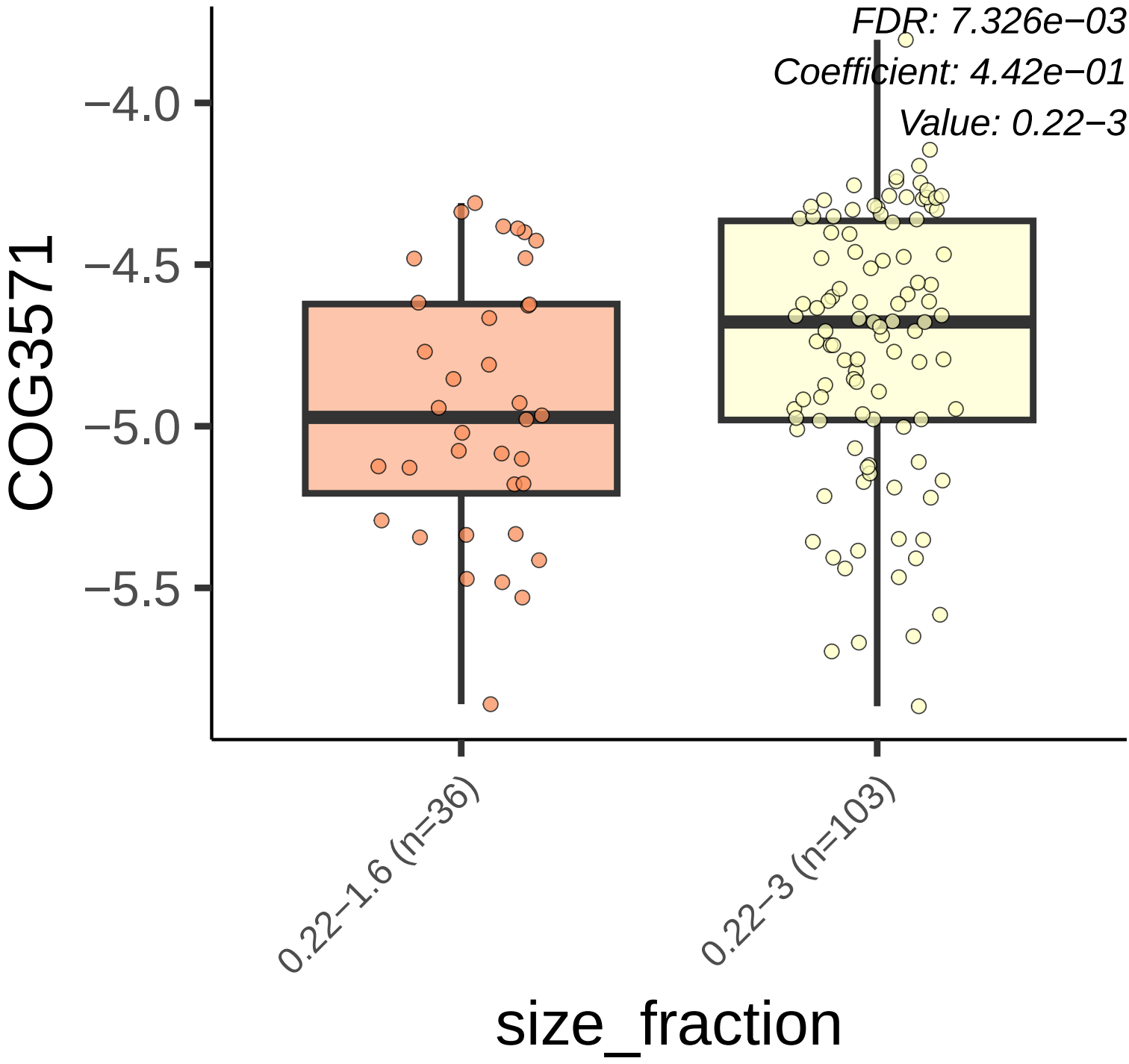

FDR: 6.893e−03
Coefficient: 1.95e+00
Value: 0.22−3
COG1325
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

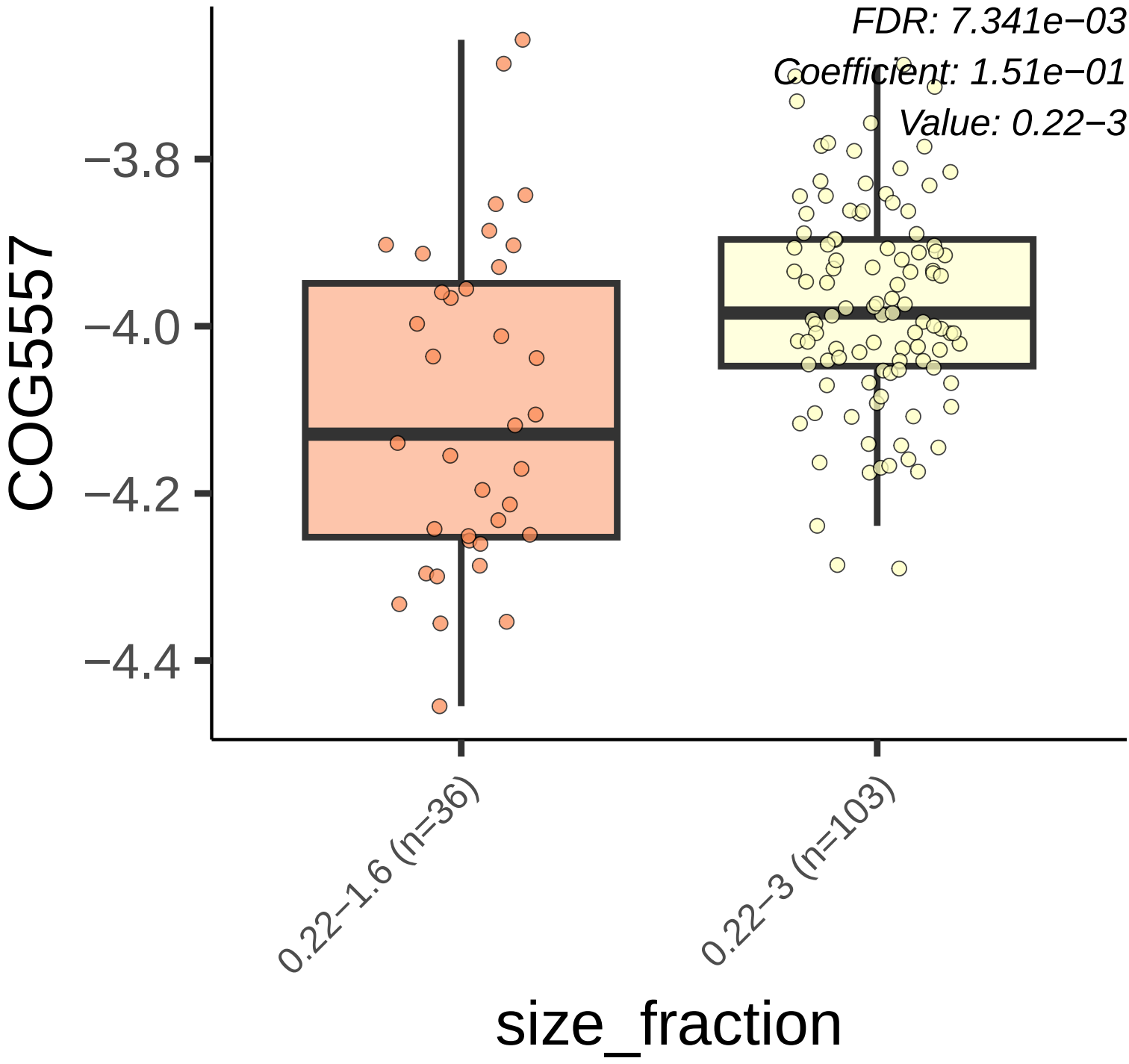

FDR: 6.991e−03
Coefficient: 1.64e−01
Value: 0.22−3
−3.00
−3.25
−3.50
−3.75
COG2234
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

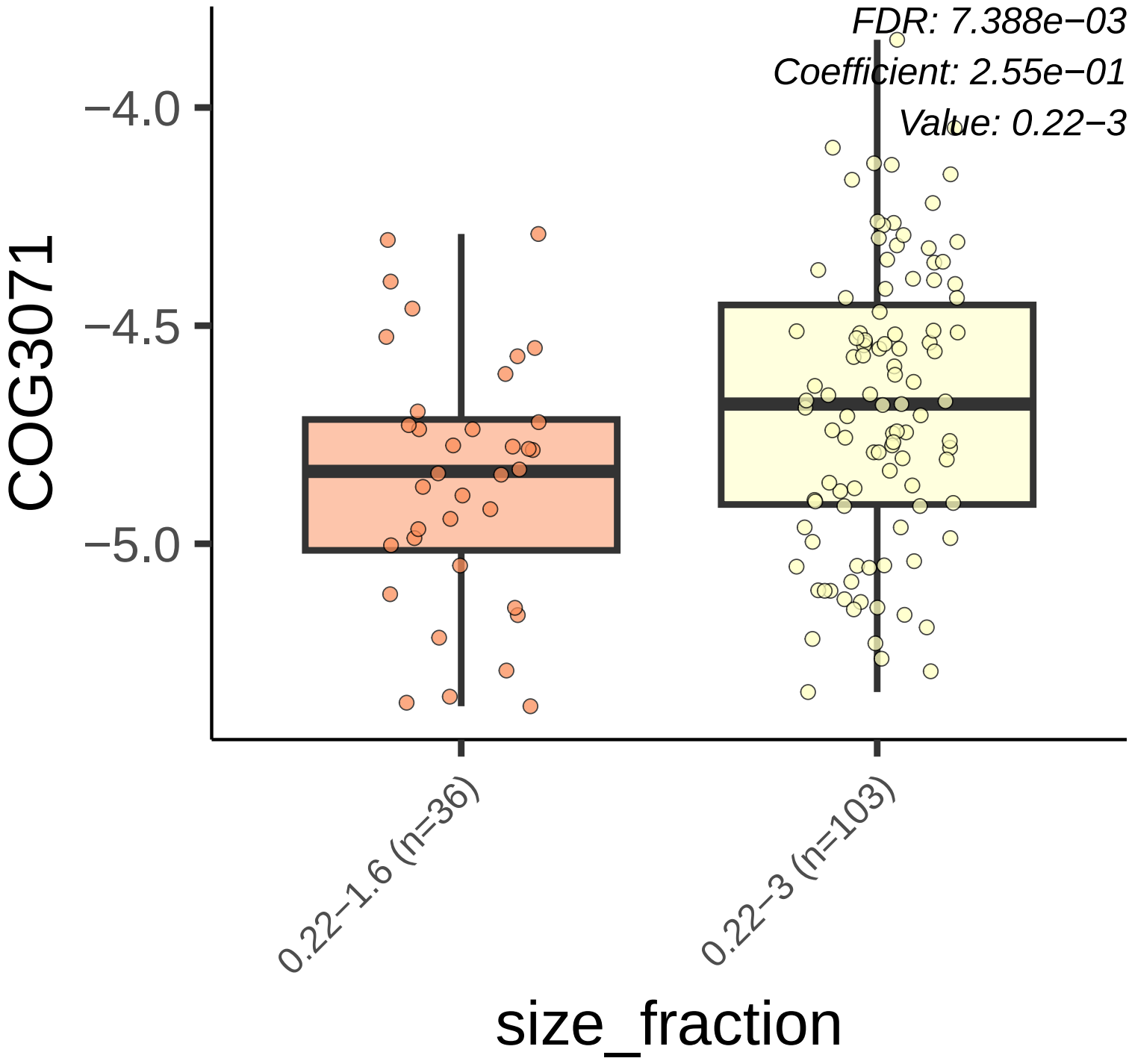

FDR: 7.020e−03
Coefficient: 4.49e−01
Value: 0.22−3
COG3384
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

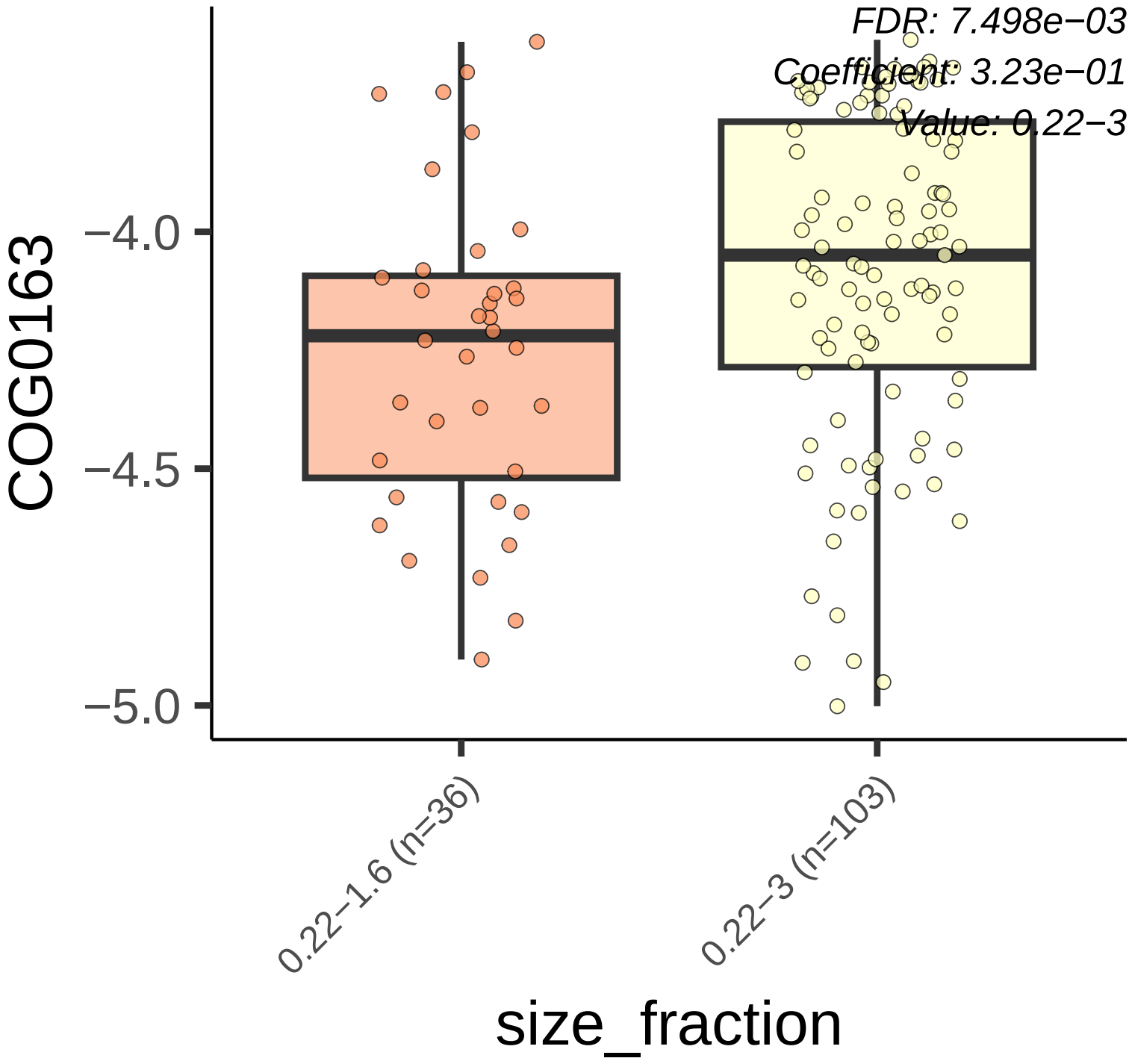

FDR: 7.088e−03
Coefficient: 6.26e−01
Value: 0.22−3
COG2846
−4
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

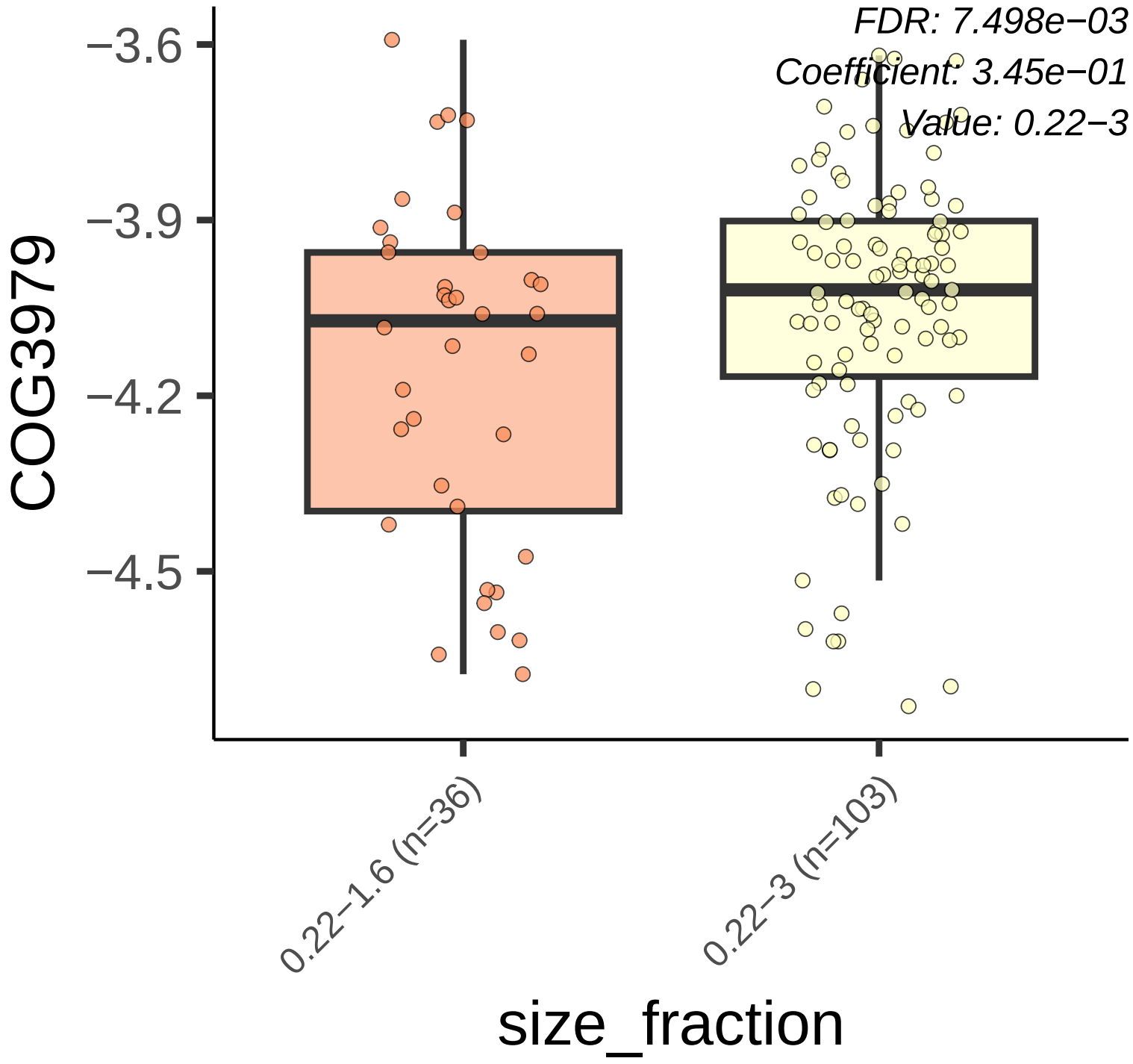

FDR: 7.256e−03
Coefficient: −1.09e−01
Value: 0.22−3
COG1217
−3.0
−3.2
−3.4
−3.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

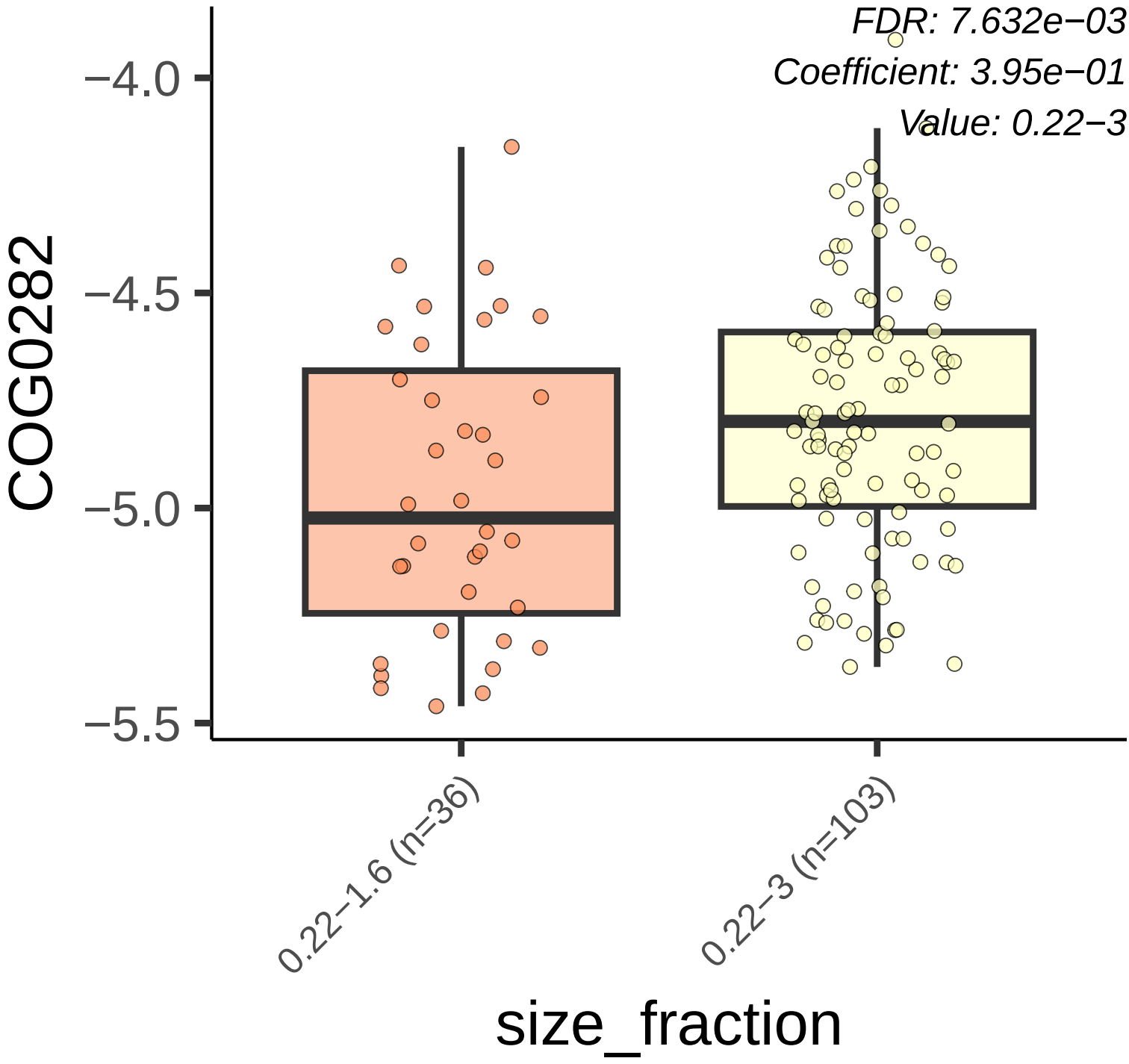

FDR: 7.326e−03
Coefficient: 4.42e−01
Value: 0.22−3
COG3571
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

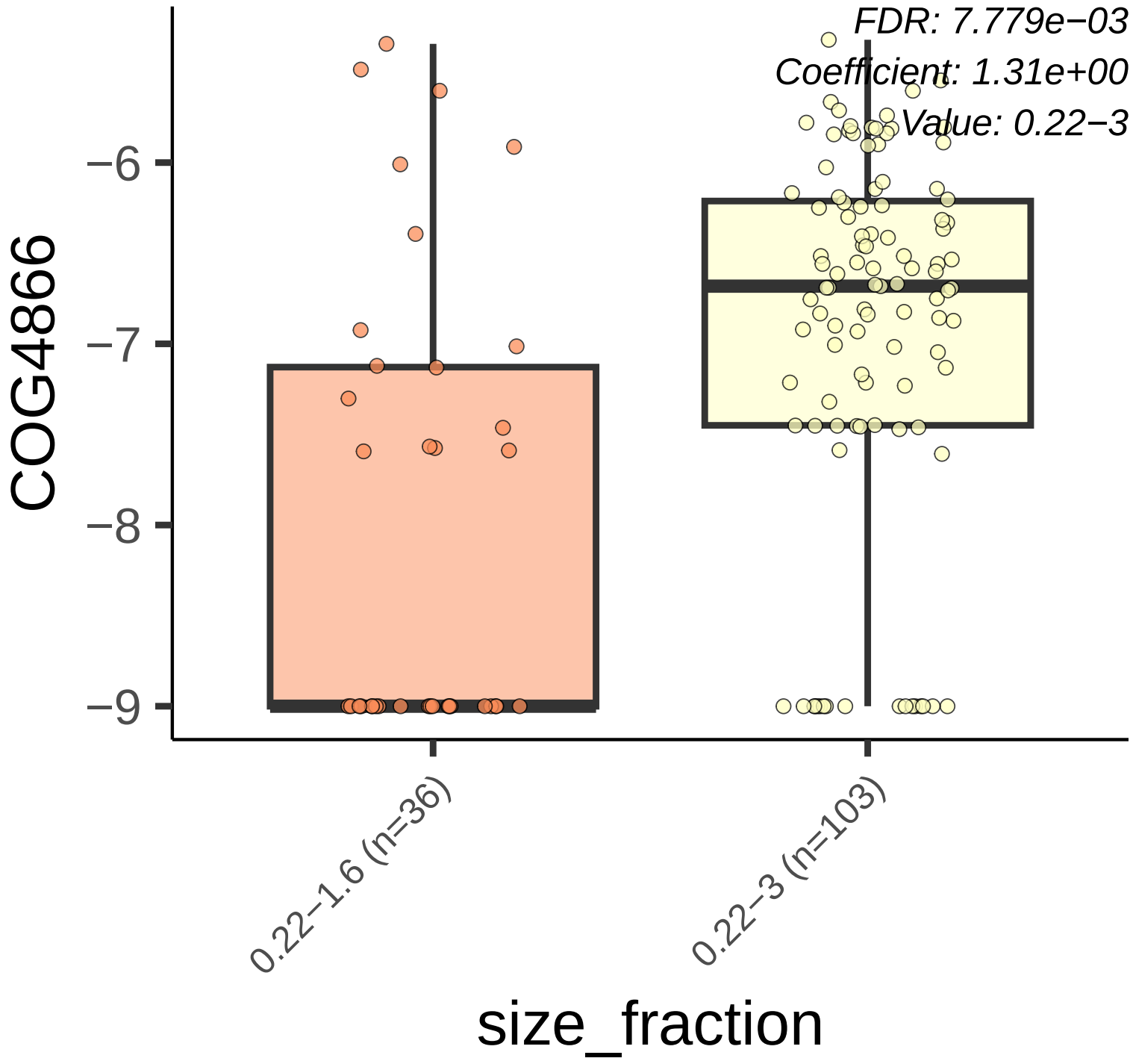

FDR: 7.341e−03
Coefficient: 1.51e−01
Value: 0.22−3
COG5557
−3.8
−4.0
−4.2
−4.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

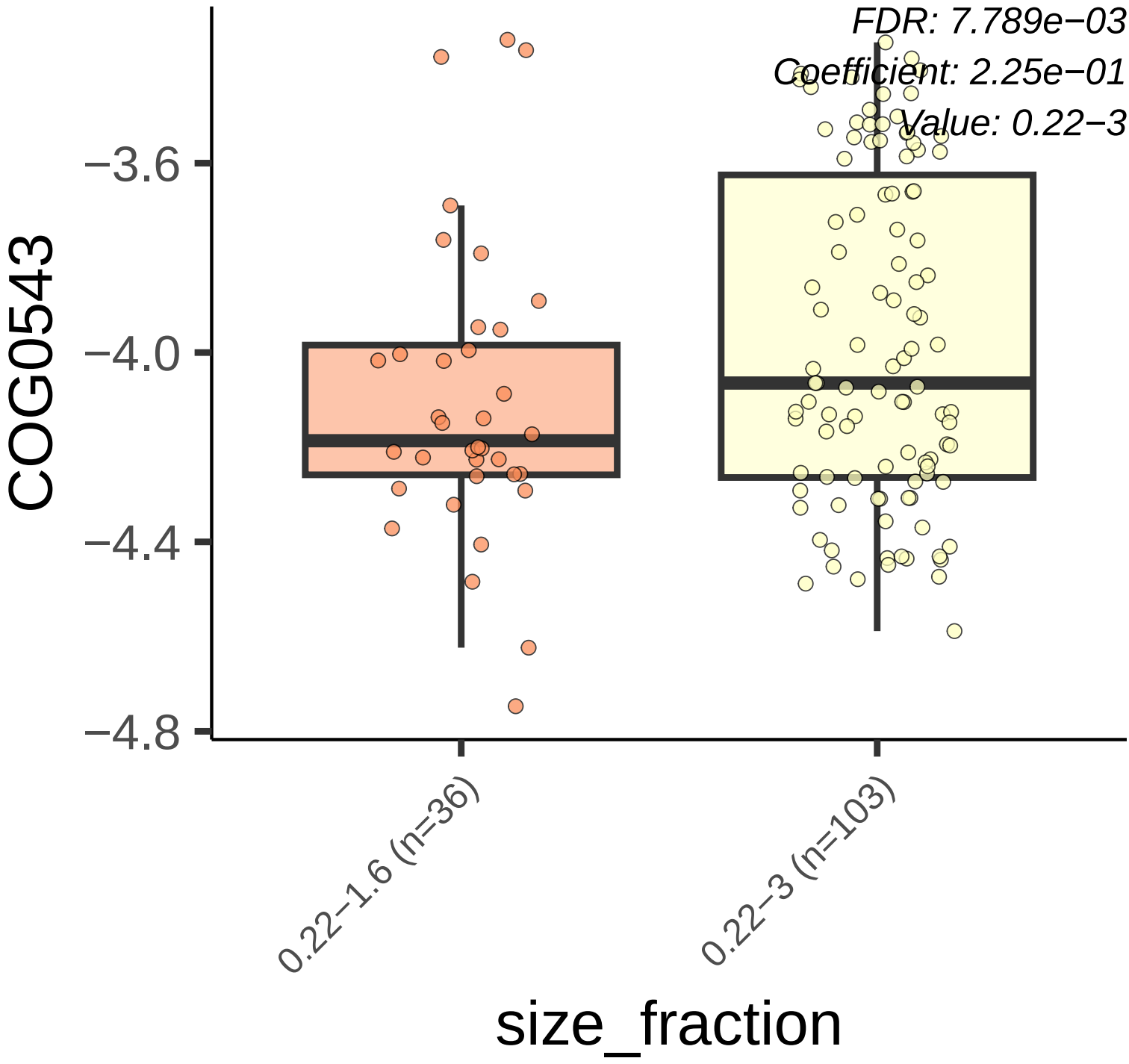

FDR: 7.388e−03
Coefficient: 2.55e−01
Value: 0.22−3
COG3071
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

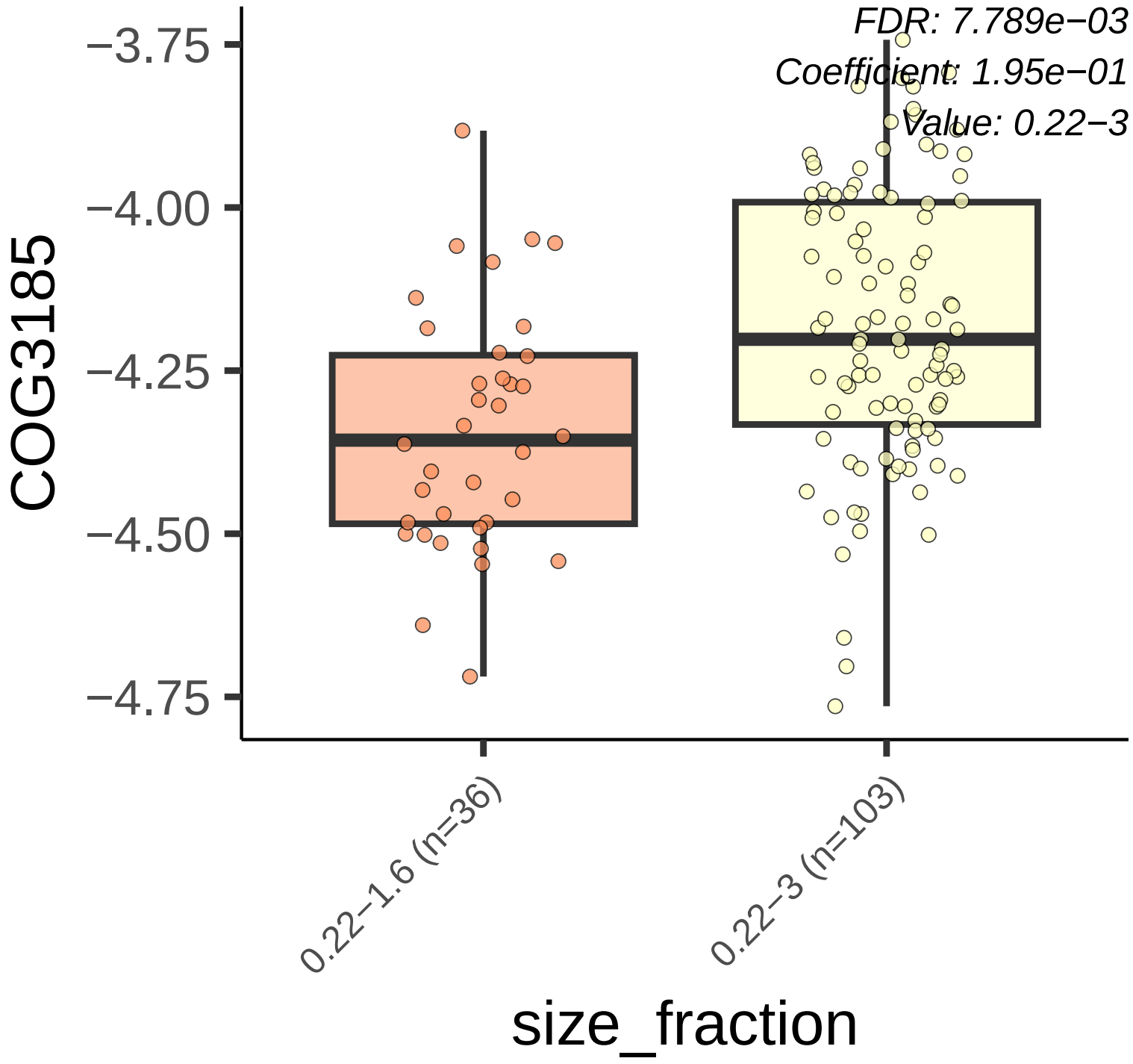

FDR: 7.498e−03
Coefficient: 3.23e−01
Value: 0.22−3
COG0163
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

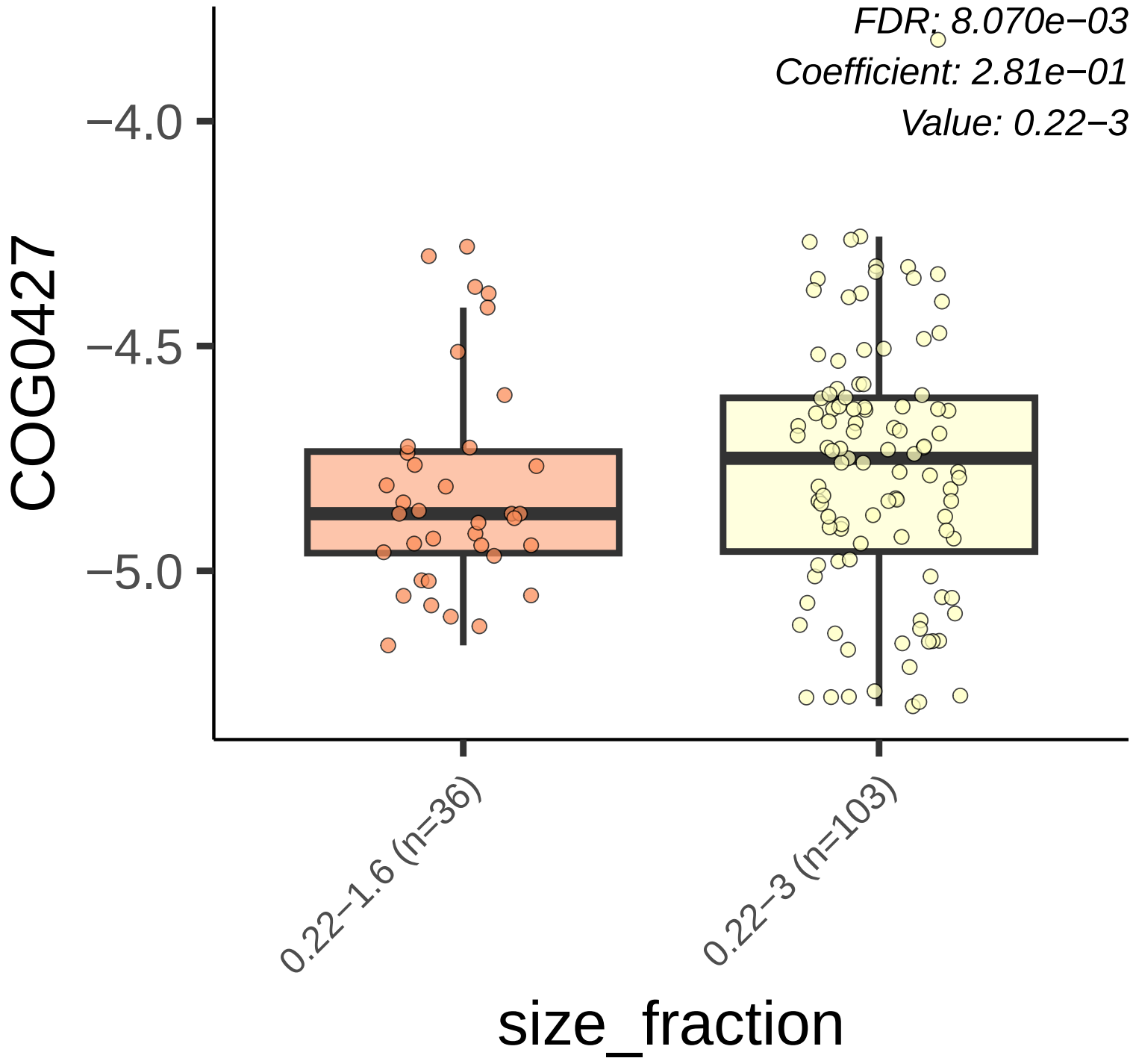

FDR: 7.498e−03
Coefficient: 3.45e−01
Value: 0.22−3
COG3979
−3.6
−3.9
−4.2
−4.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

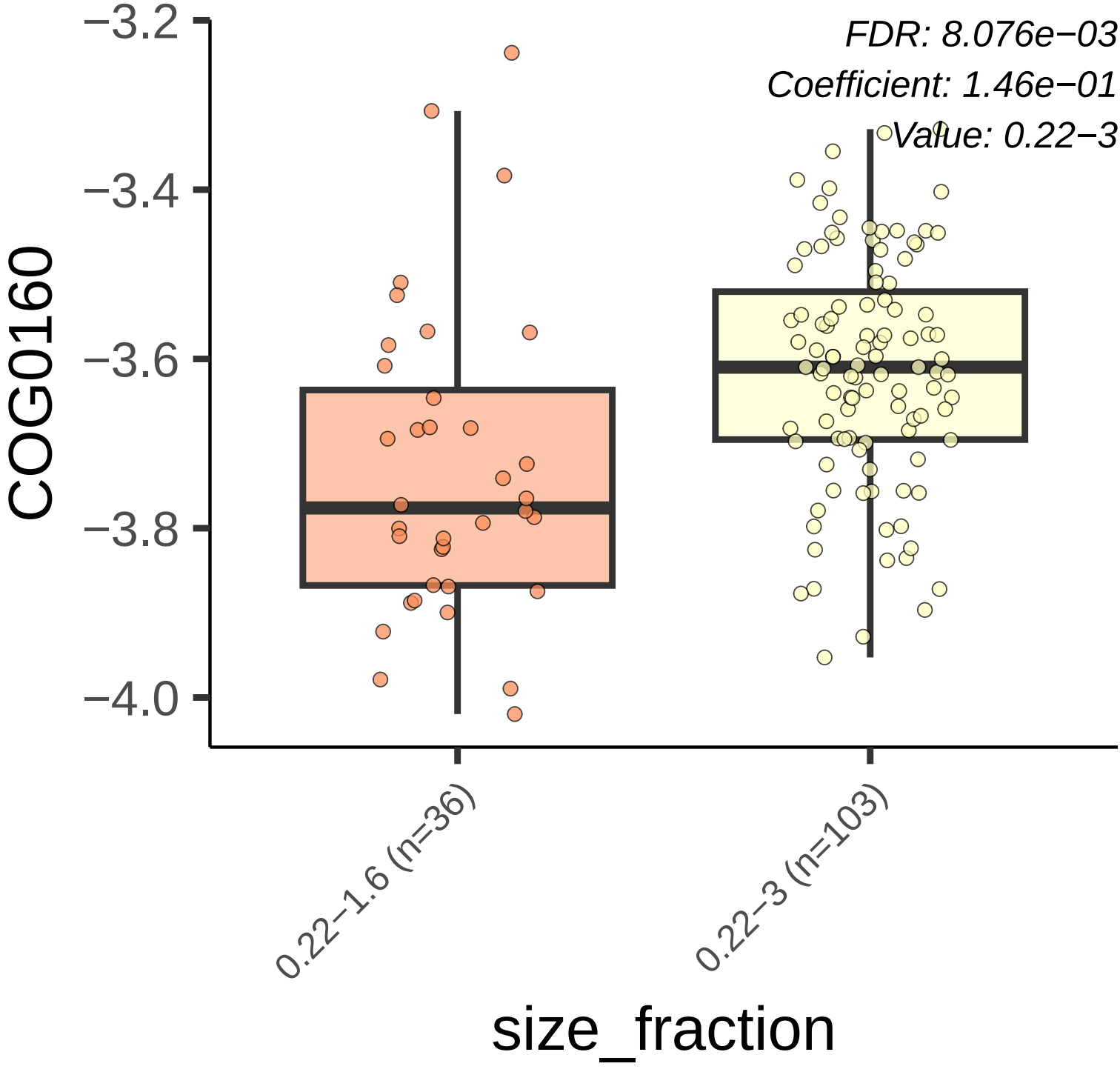

FDR: 7.632e−03
Coefficient: 3.95e−01
Value: 0.22−3
COG0282
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

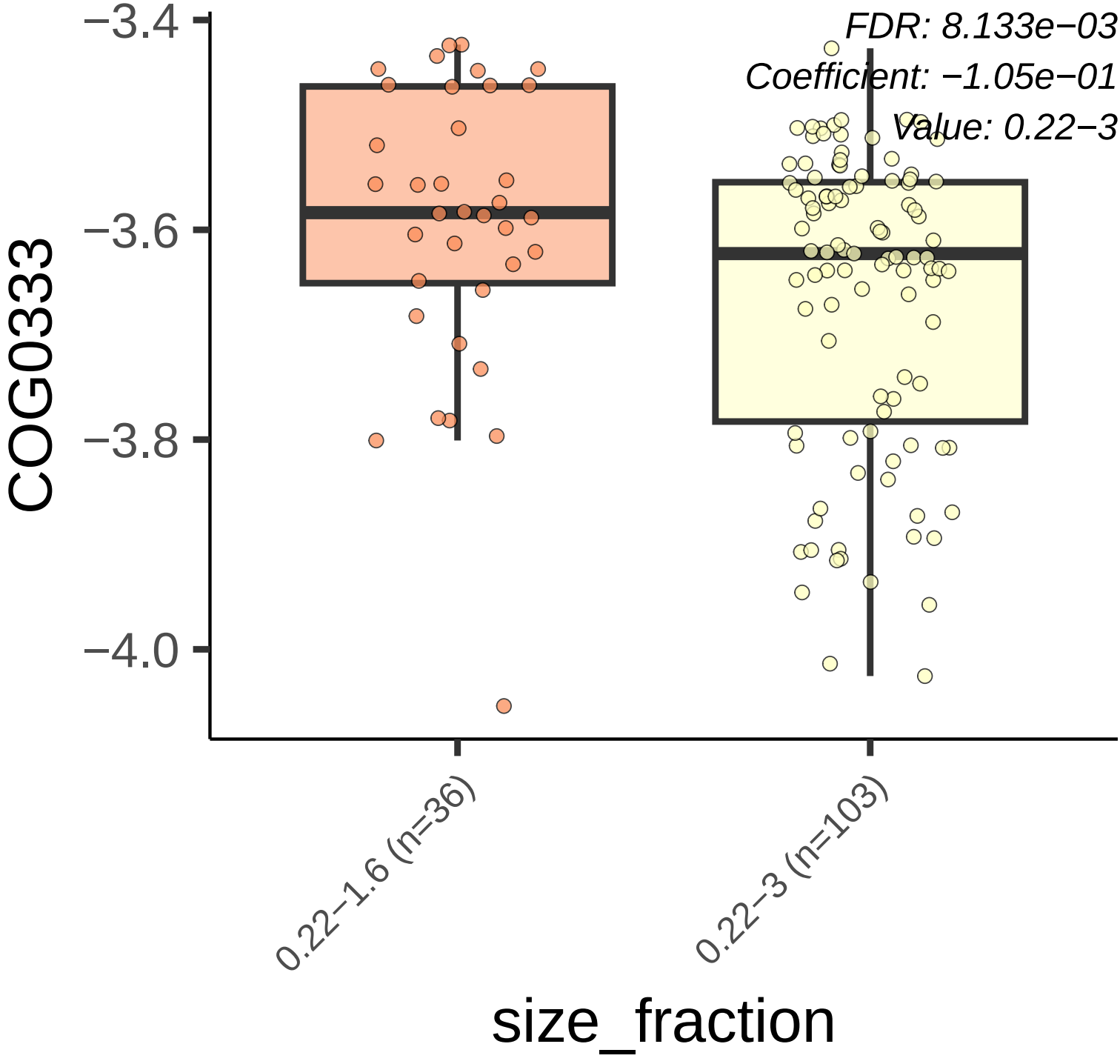

FDR: 7.779e−03
Coefficient: 1.31e+00
Value: 0.22−3
COG4866
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

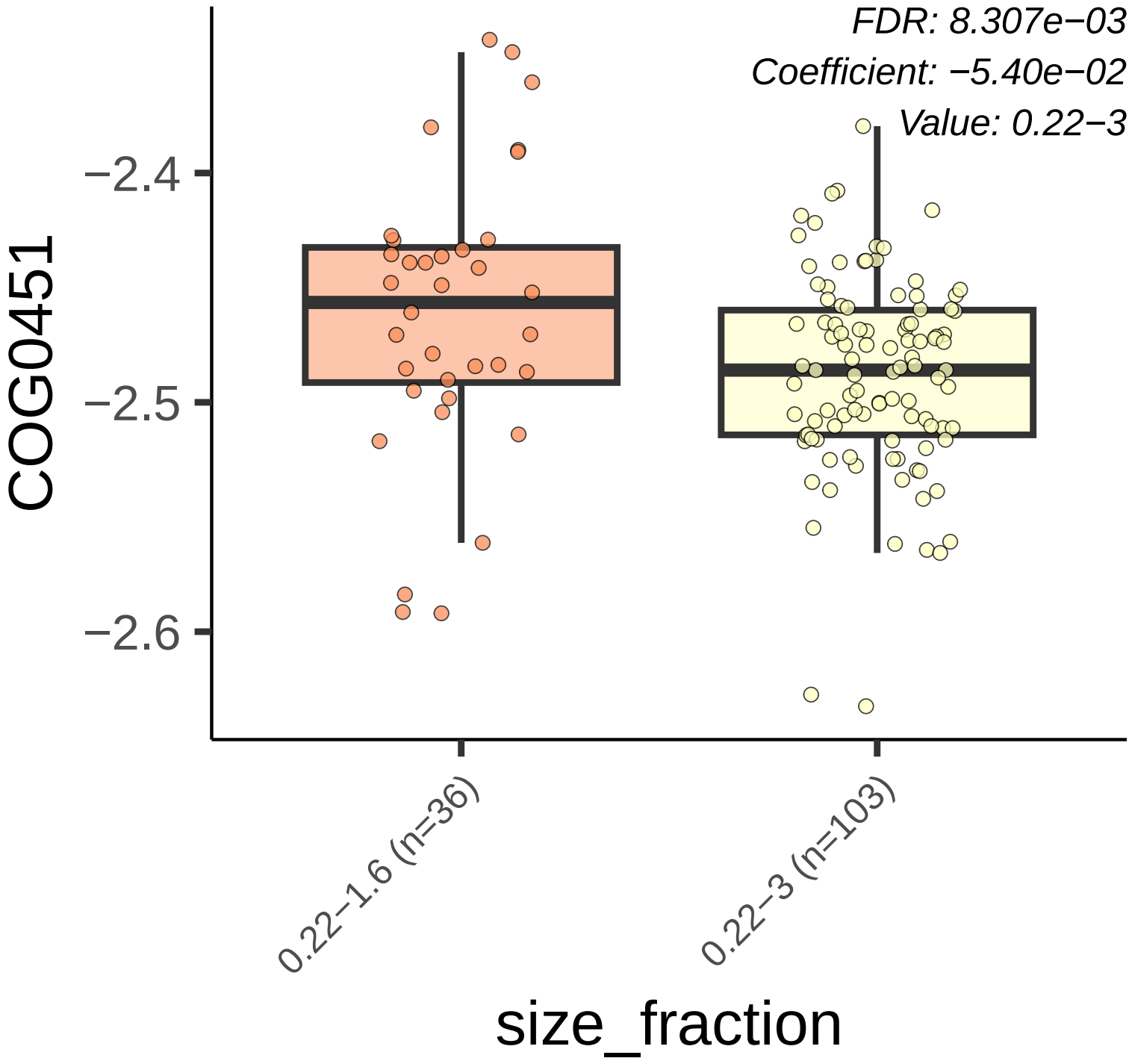

FDR: 7.789e−03
Coefficient: 2.25e−01
Value: 0.22−3
COG0543
−3.6
−4.0
−4.4
−4.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 7.789e−03
Coefficient: 1.95e−01
Value: 0.22−3
−3.75
−4.00
−4.25
−4.50
−4.75
COG3185
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 8.070e−03
Coefficient: 2.81e−01
Value: 0.22−3
−4.0
−4.5
−5.0
COG0427
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 8.076e−03
Coefficient: 1.46e−01
Value: 0.22−3
COG0160
−3.2
−3.4
−3.6
−3.8
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 8.133e−03
Coefficient: −1.05e−01
Value: 0.22−3
−3.4
−3.6
−3.8
−4.0
COG0333
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 8.307e−03
Coefficient: −5.40e−02
Value: 0.22−3
COG0451
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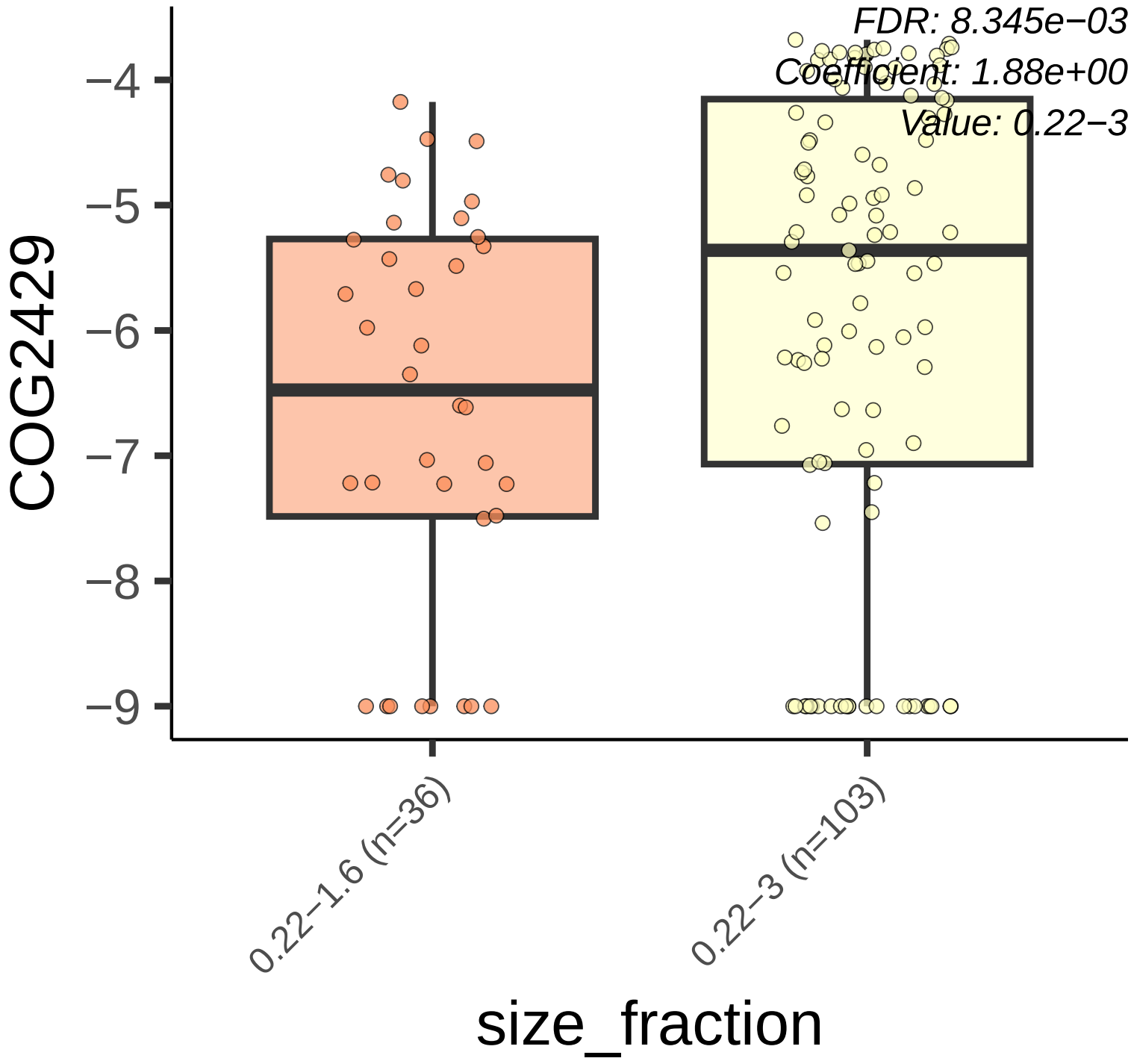
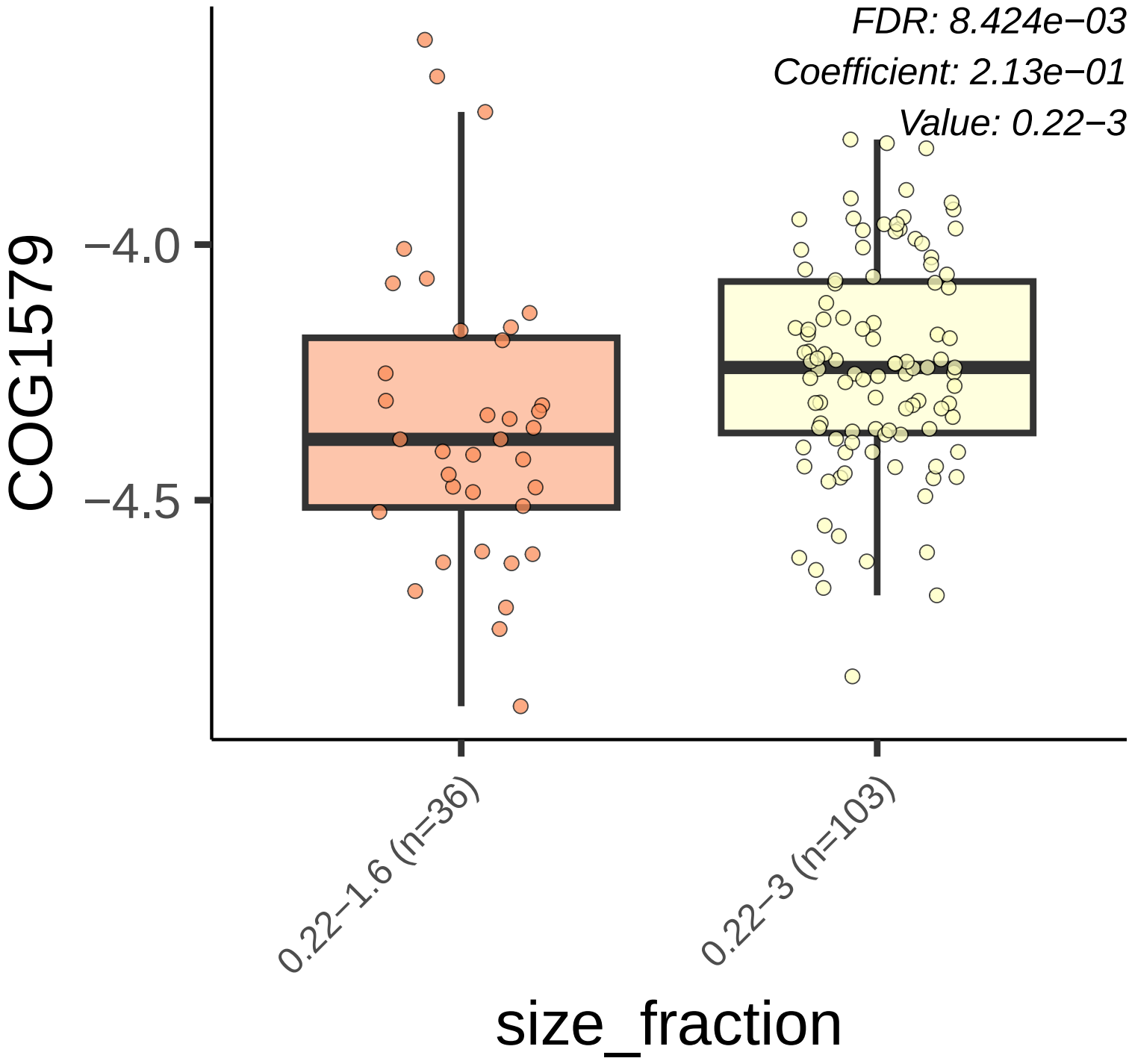
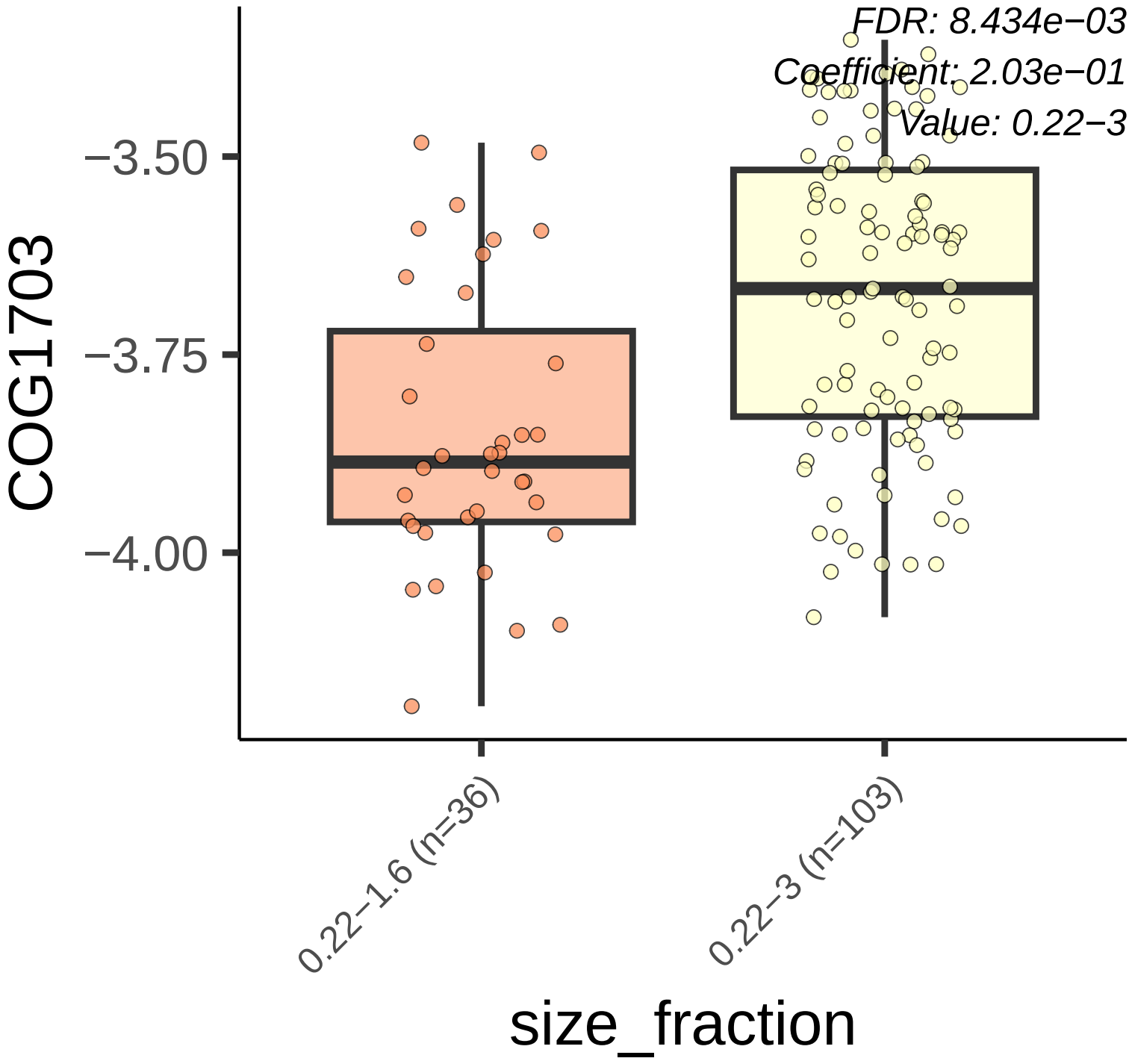
−2.5
−2.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 8.345e−03
Coefficient: 1.88e+00
Value: 0.22−3
COG2429
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 8.424e−03
Coefficient: 2.13e−01
Value: 0.22−3
COG1579
−4.0
−4.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 8.434e−03
Coefficient: 2.03e−01
Value: 0.22−3
COG1703
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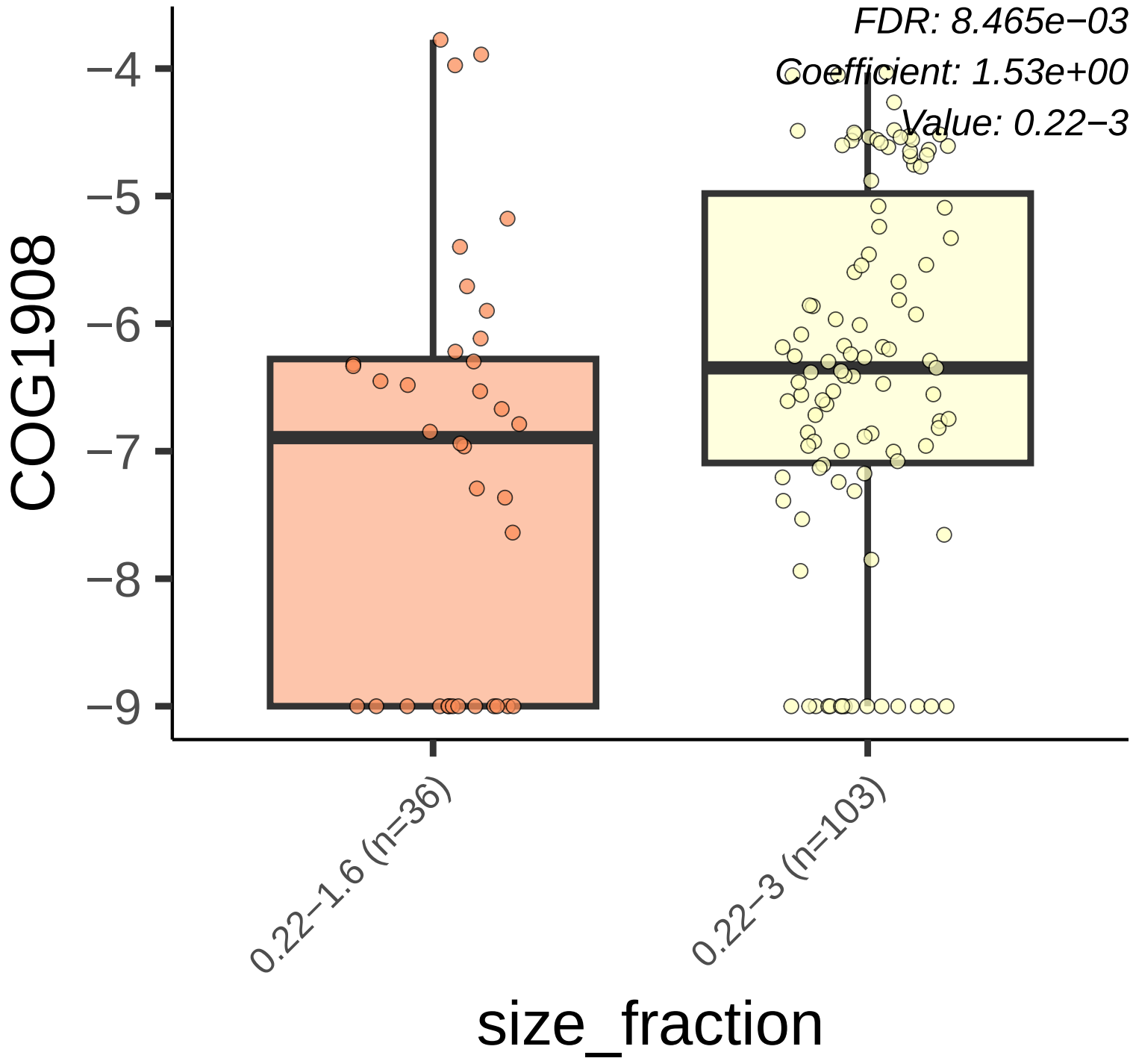
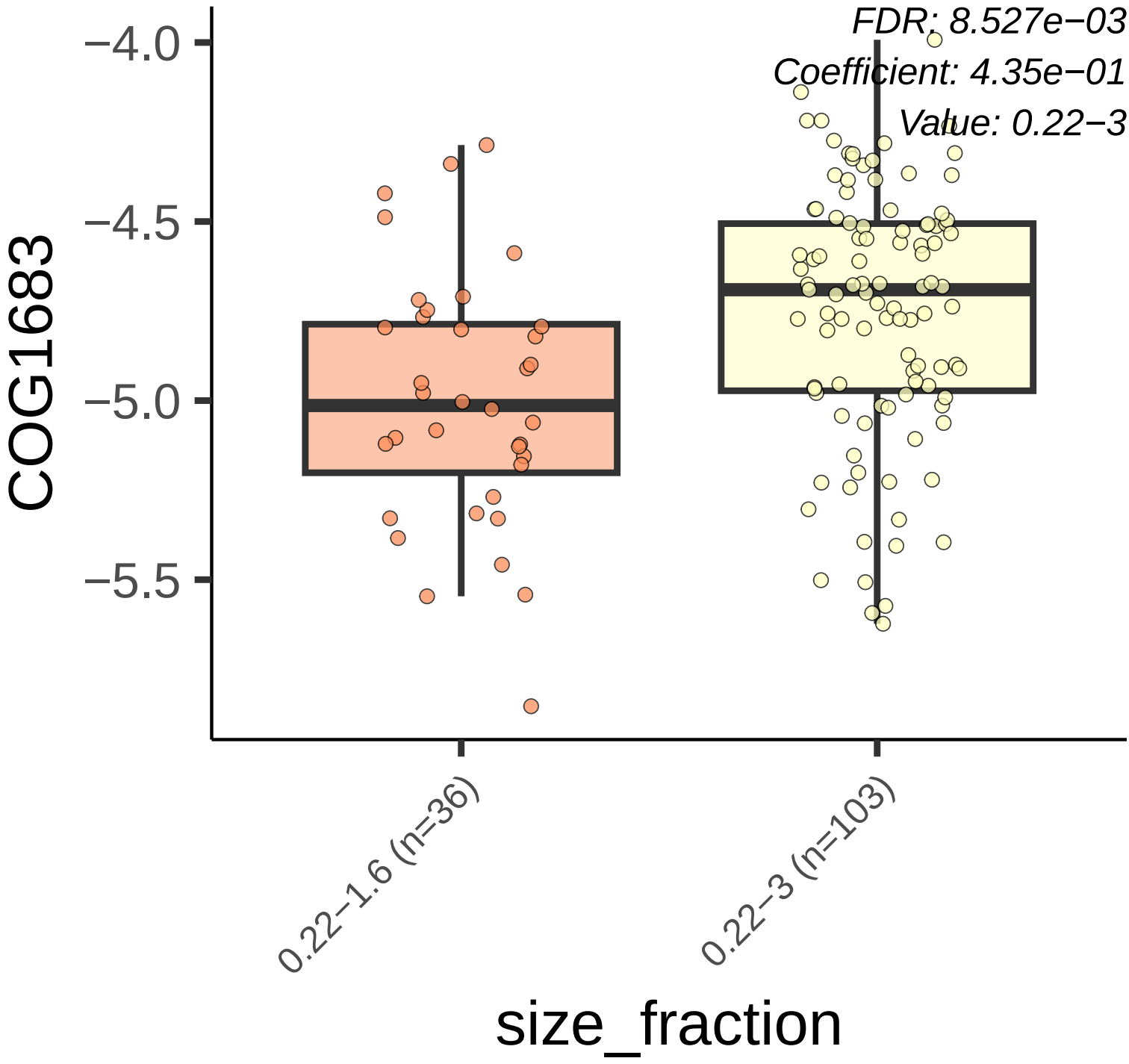
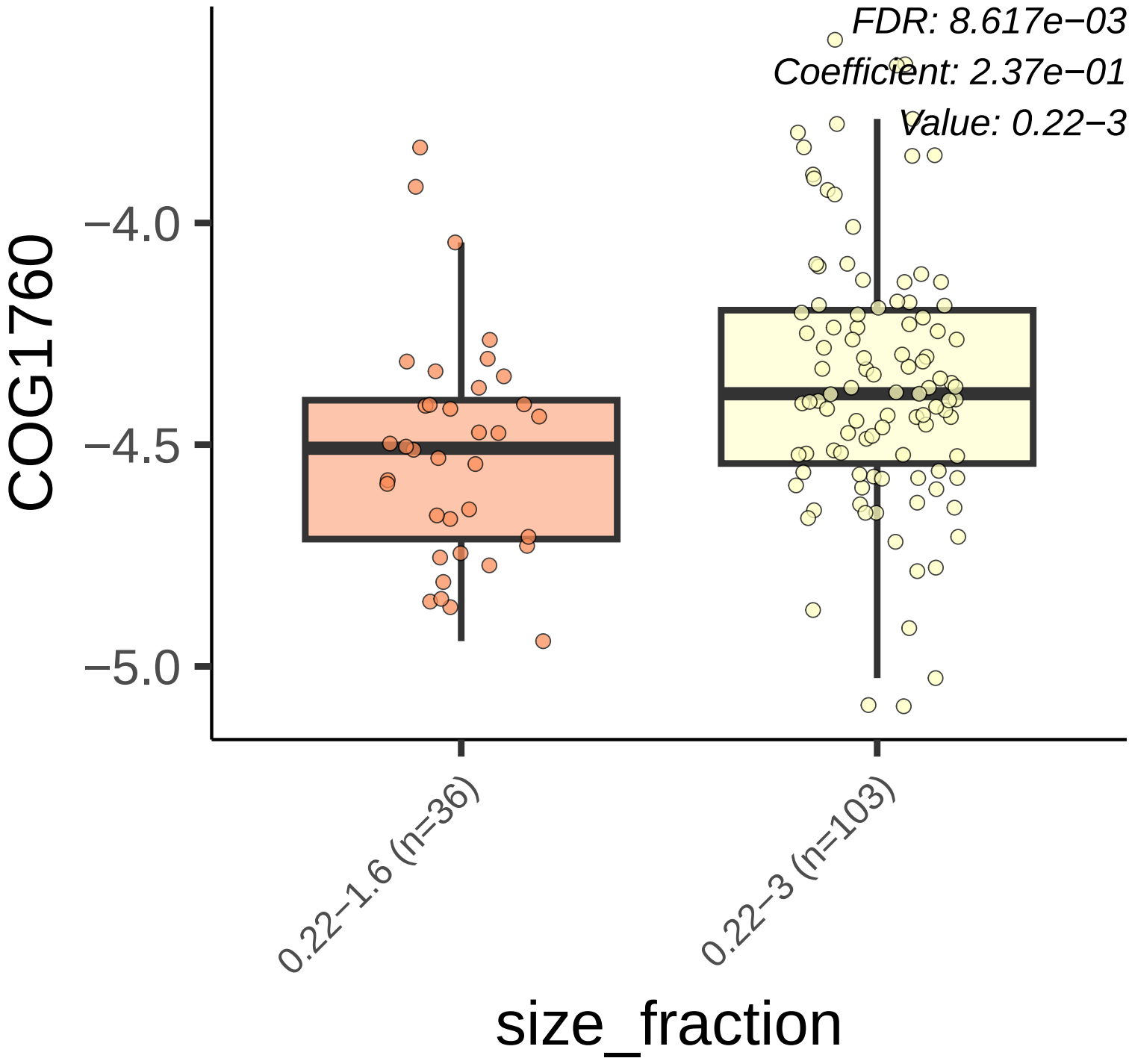
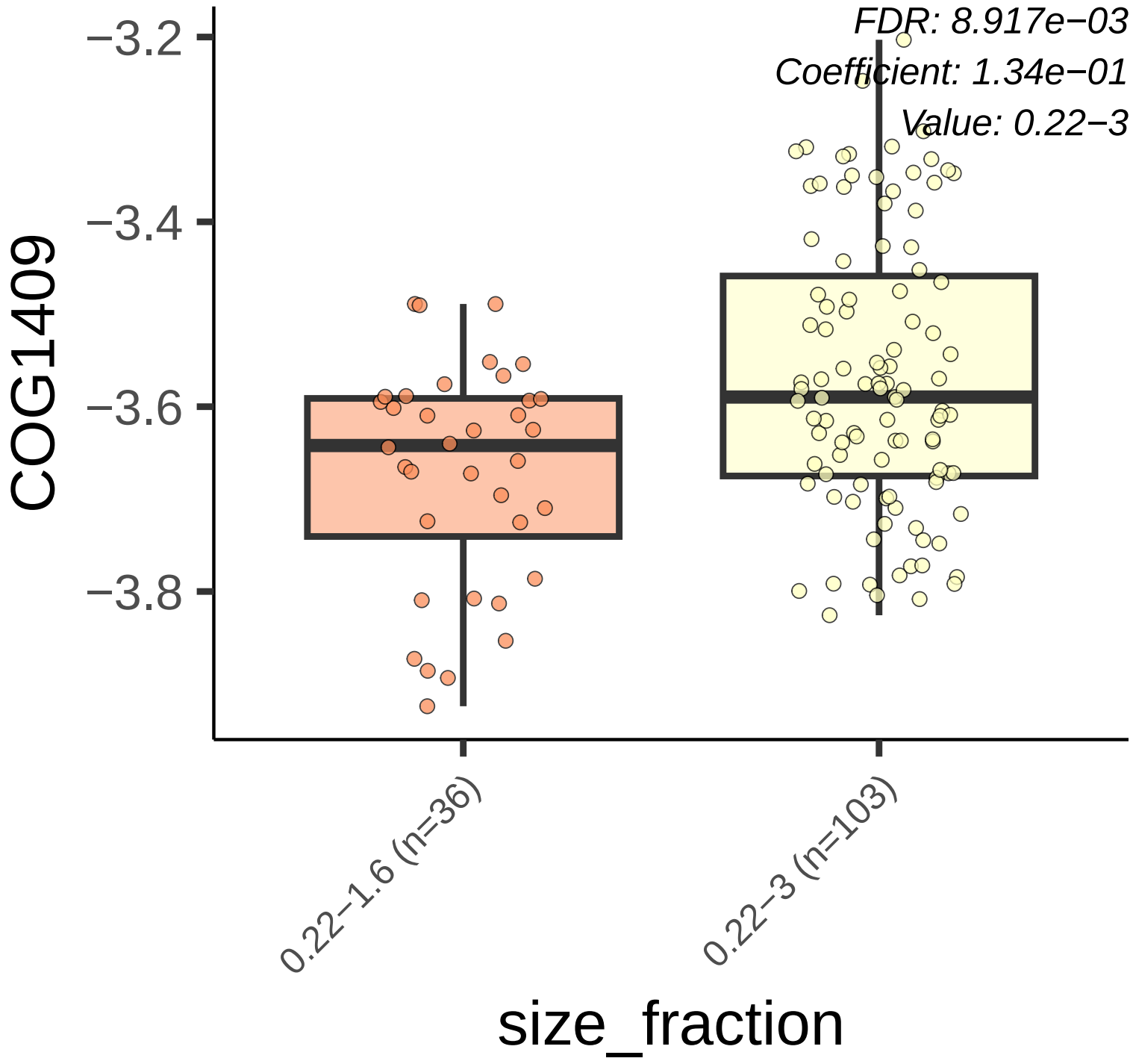
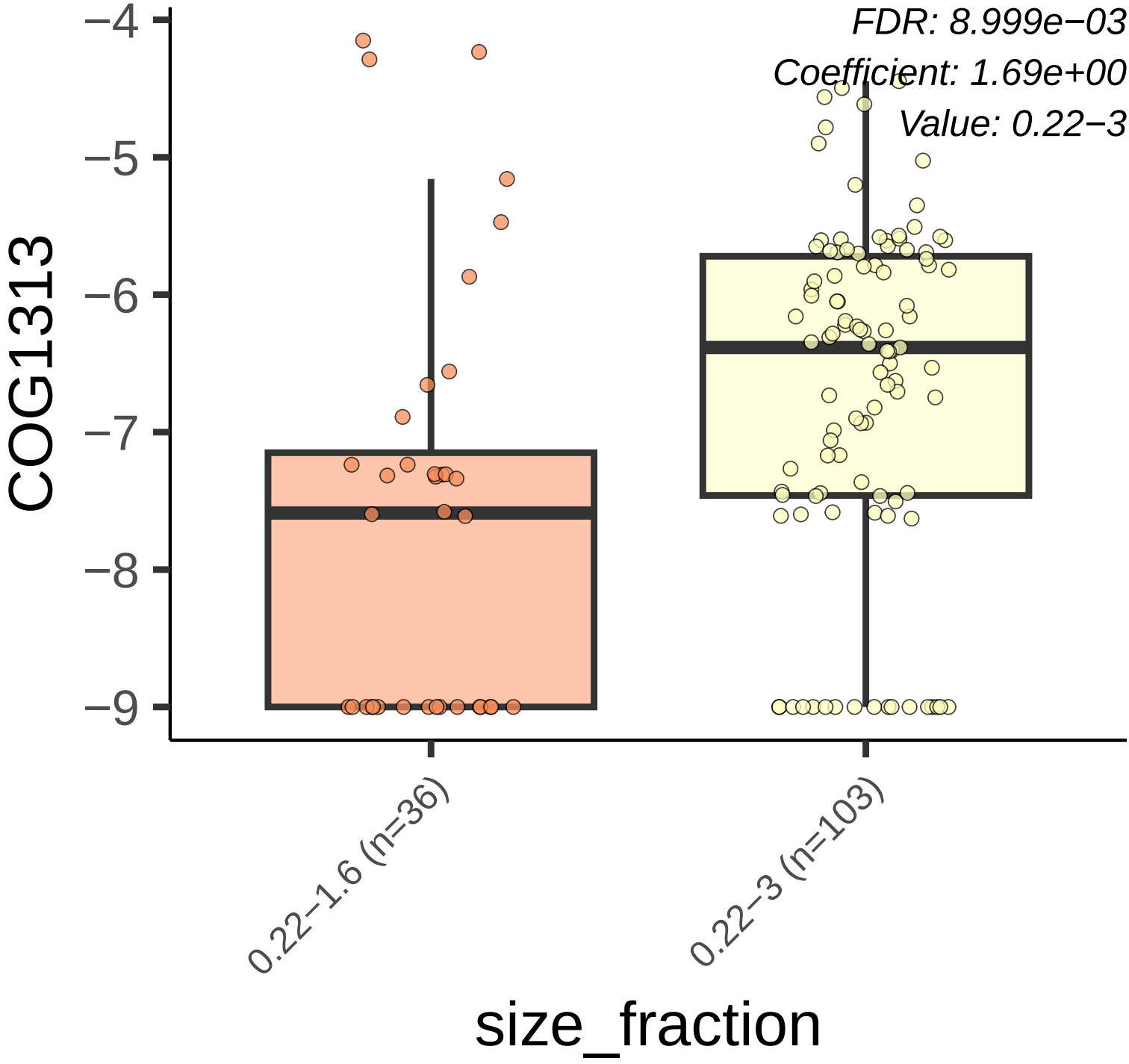
−3.75
−4.00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

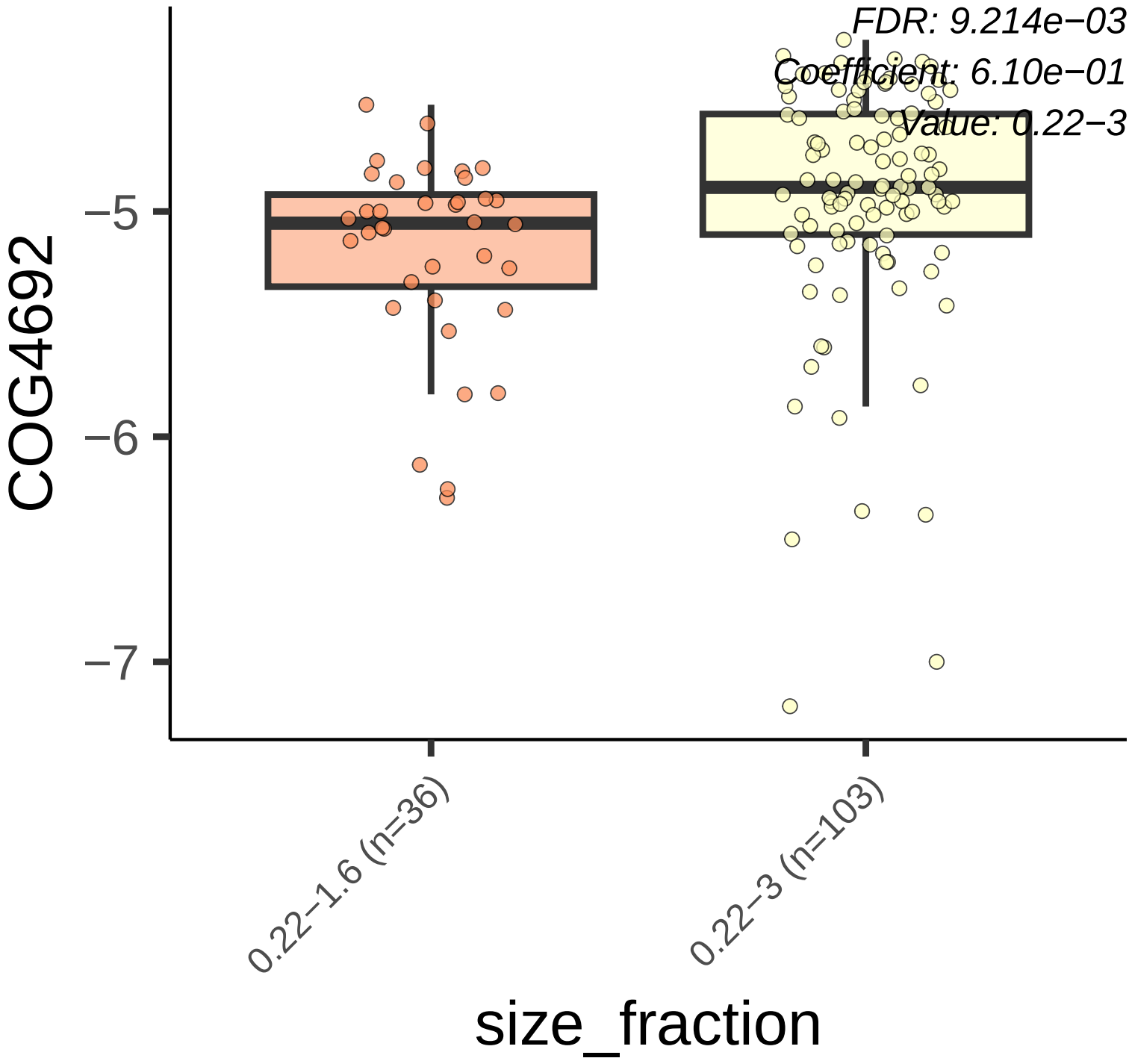

FDR: 8.465e−03
Coefficient: 1.53e+00
Value: 0.22−3
COG1908
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

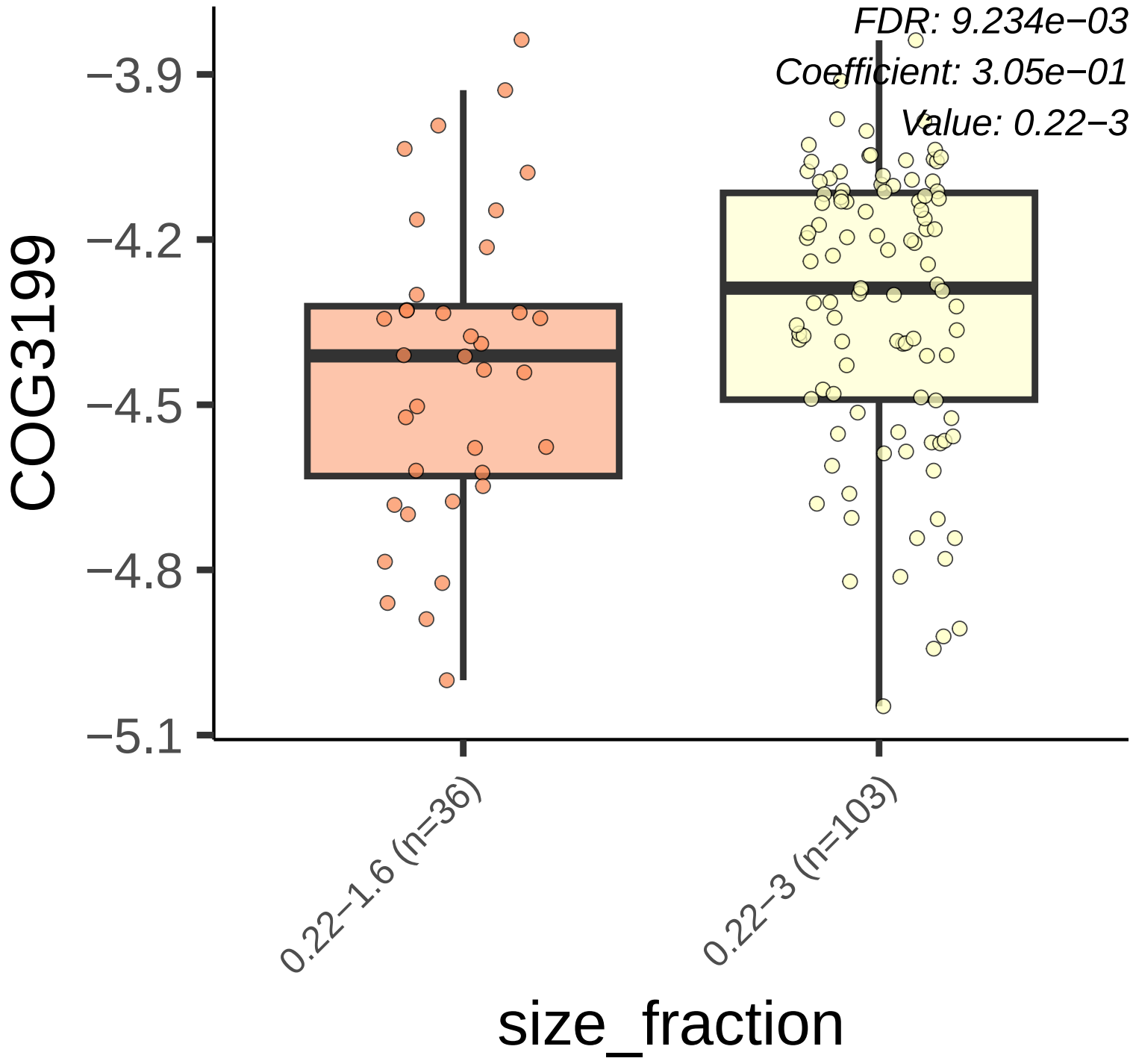

FDR: 8.527e−03
Coefficient: 4.35e−01
Value: 0.22−3
−4.0
−4.5
−5.0
−5.5
COG1683
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

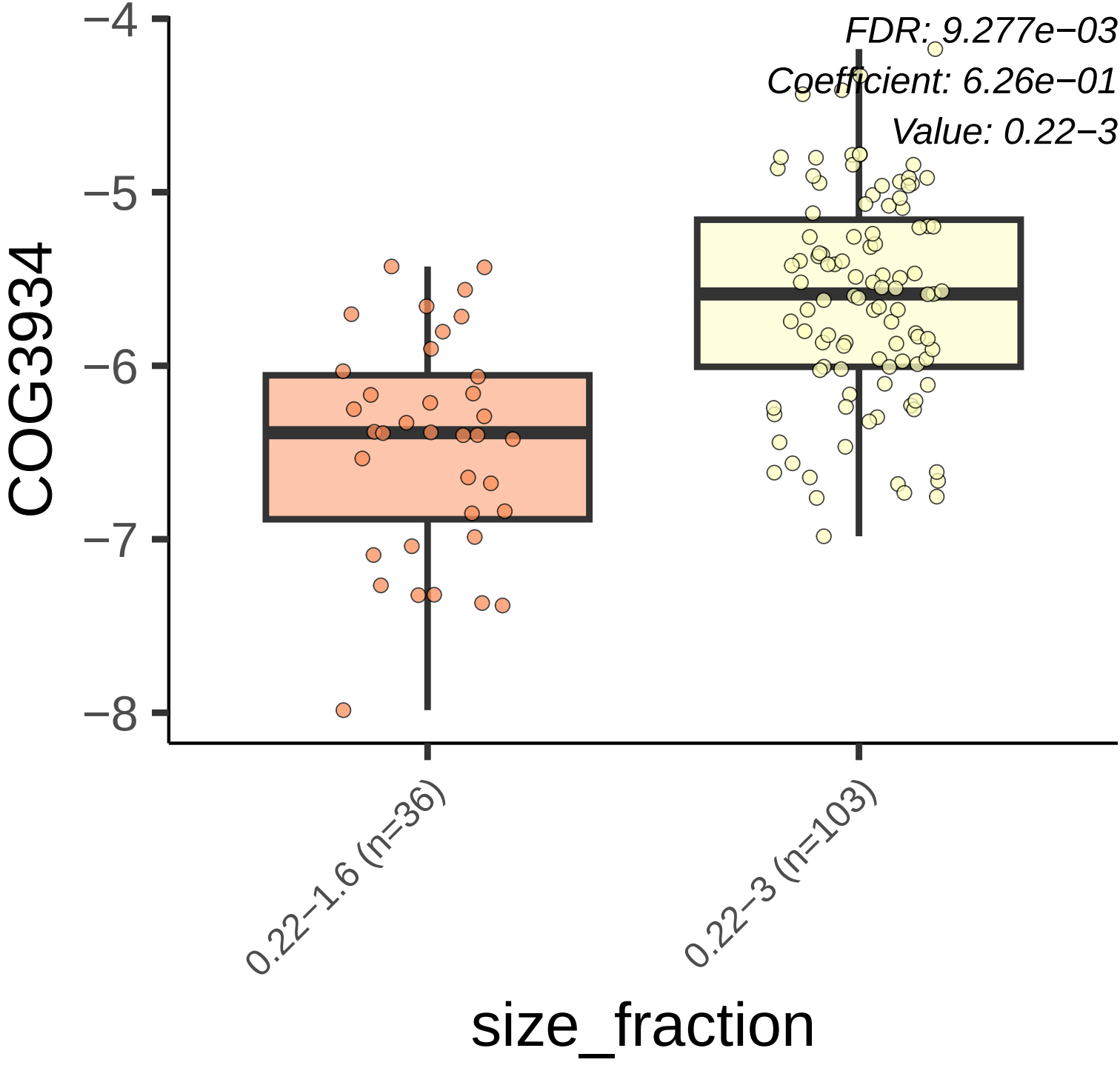

FDR: 8.617e−03
Coefficient: 2.37e−01
Value: 0.22−3
COG1760
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

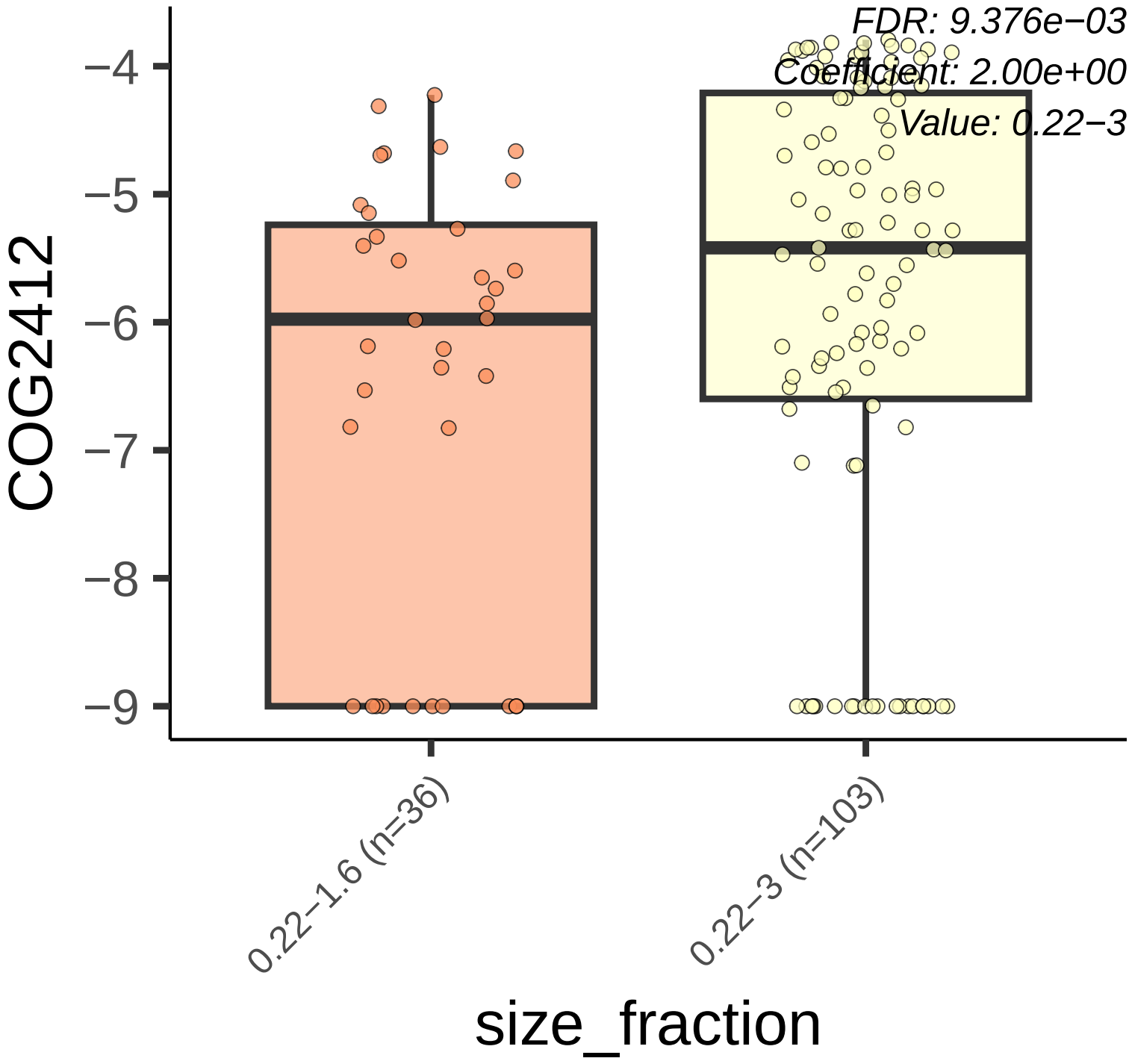

FDR: 8.917e−03
Coefficient: 1.34e−01
Value: 0.22−3
−3.2
−3.4
−3.6
−3.8
COG1409
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

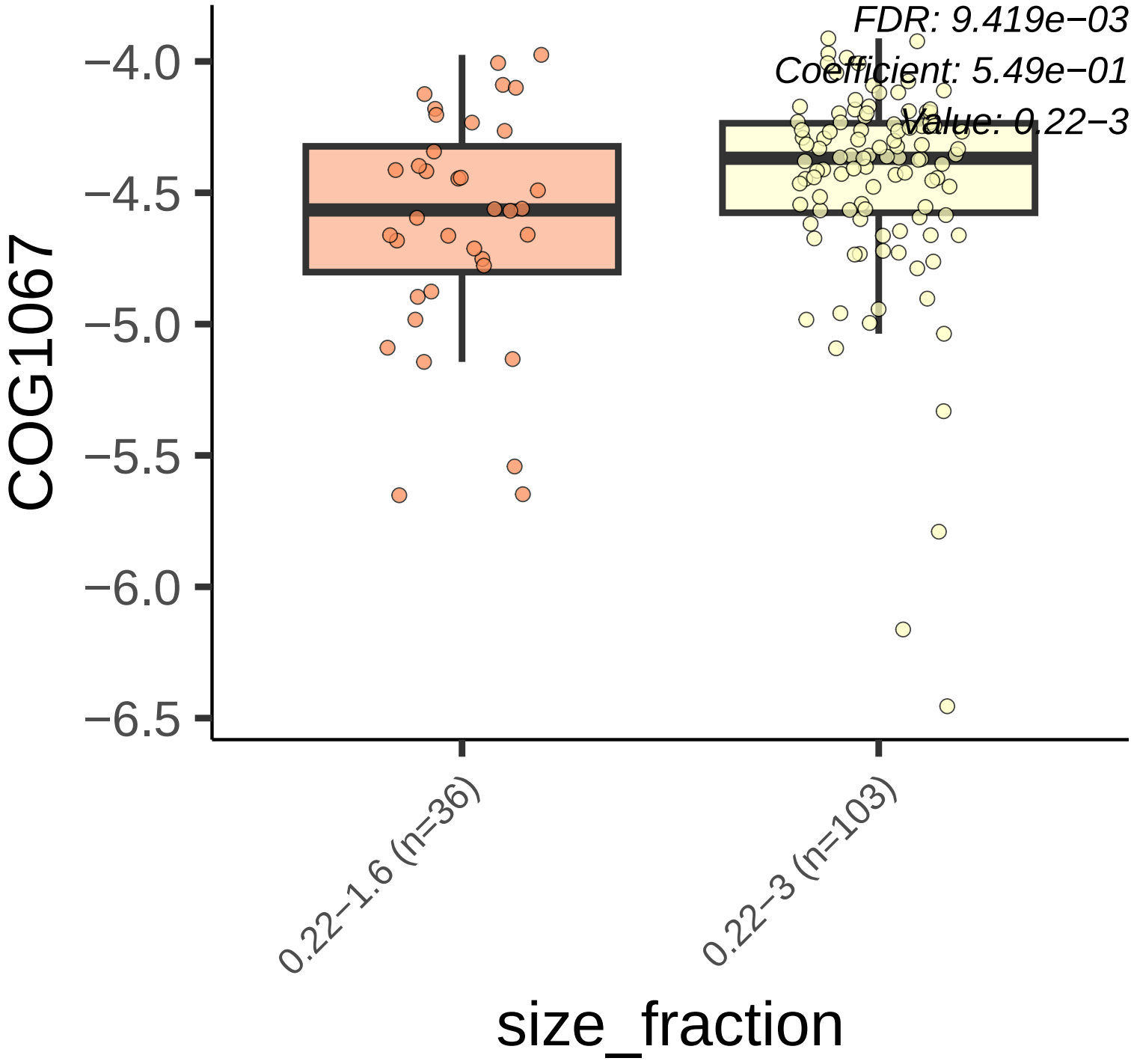

FDR: 8.999e−03
Coefficient: 1.69e+00
Value: 0.22−3
COG1313
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

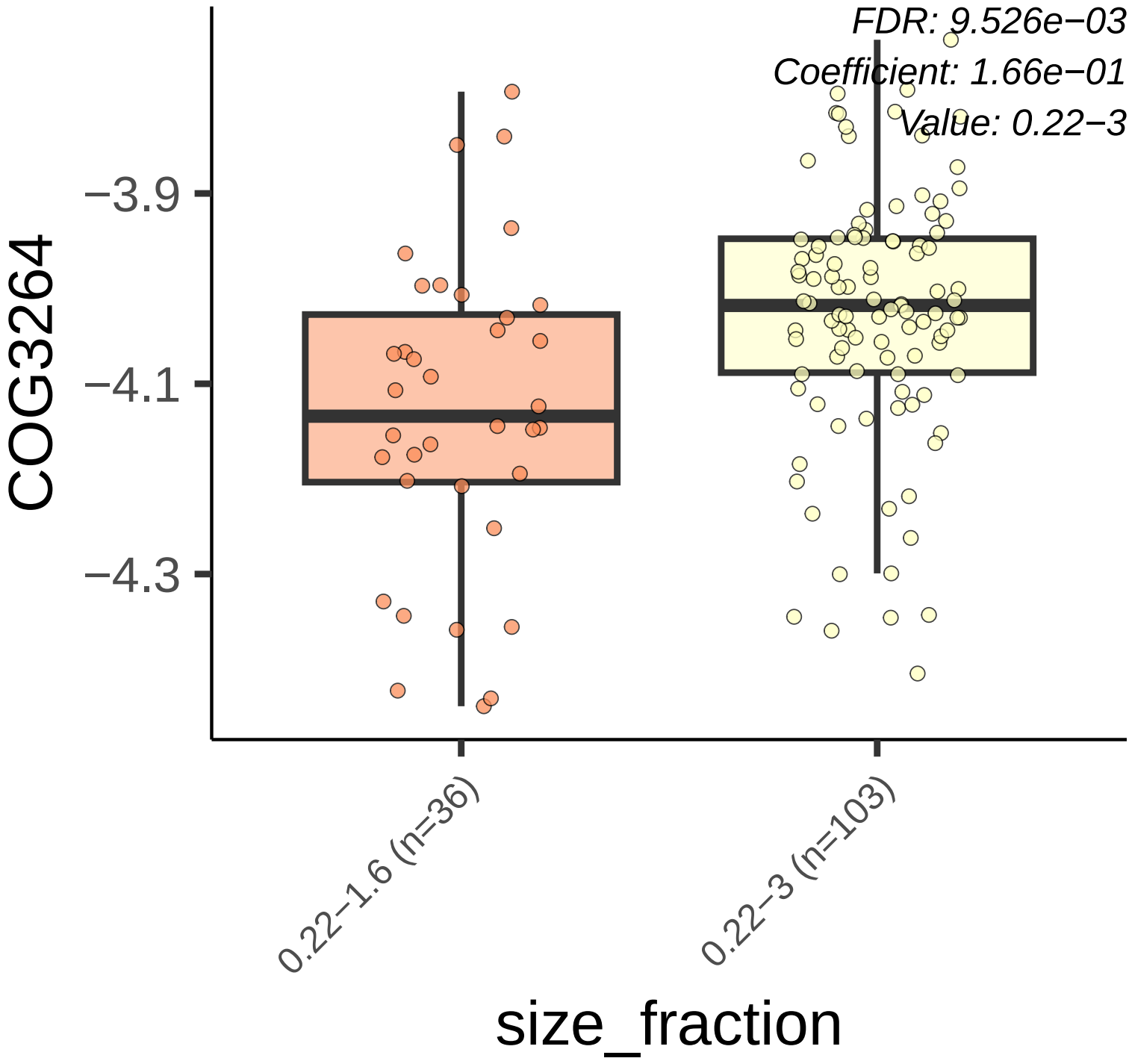

FDR: 9.214e−03
Coefficient: 6.10e−01
Value: 0.22−3
COG4692
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

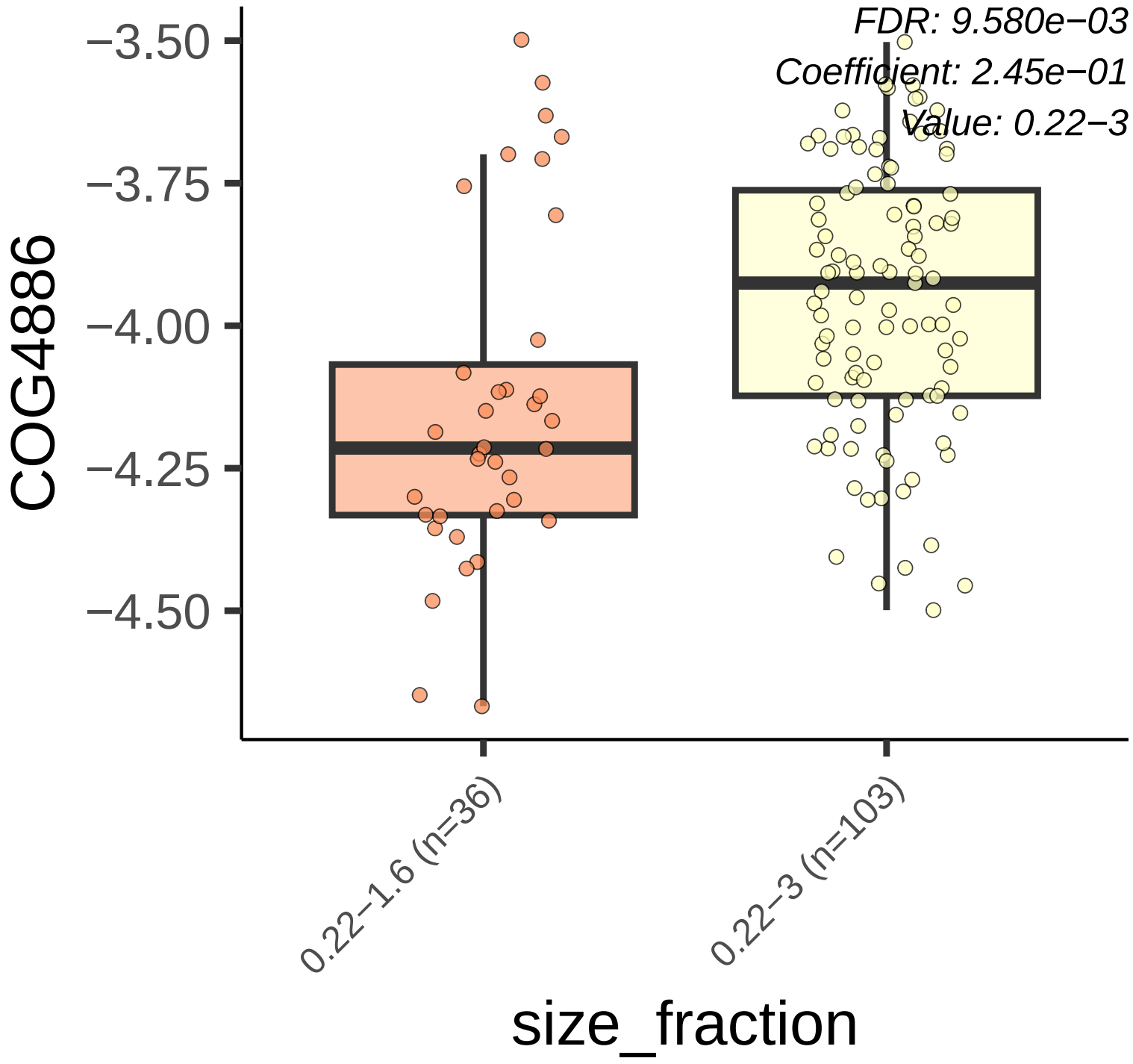

FDR: 9.234e−03
Coefficient: 3.05e−01
Value: 0.22−3
COG3199
−3.9
−4.2
−4.5
−4.8
−5.1
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 9.277e−03
Coefficient: 6.26e−01
Value: 0.22−3
COG3934
−4
−5
−6
−7
−8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 9.376e−03
Coefficient: 2.00e+00
Value: 0.22−3
COG2412
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 9.419e−03
Coefficient: 5.49e−01
Value: 0.22−3
−4.0
−4.5
−5.0
−5.5
−6.0
−6.5
COG1067
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 9.526e−03
Coefficient: 1.66e−01
Value: 0.22−3
COG3264
−3.9
−4.1
−4.3
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 9.580e−03
Coefficient: 2.45e−01
Value: 0.22−3
COG4886
−3.50
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−4.00
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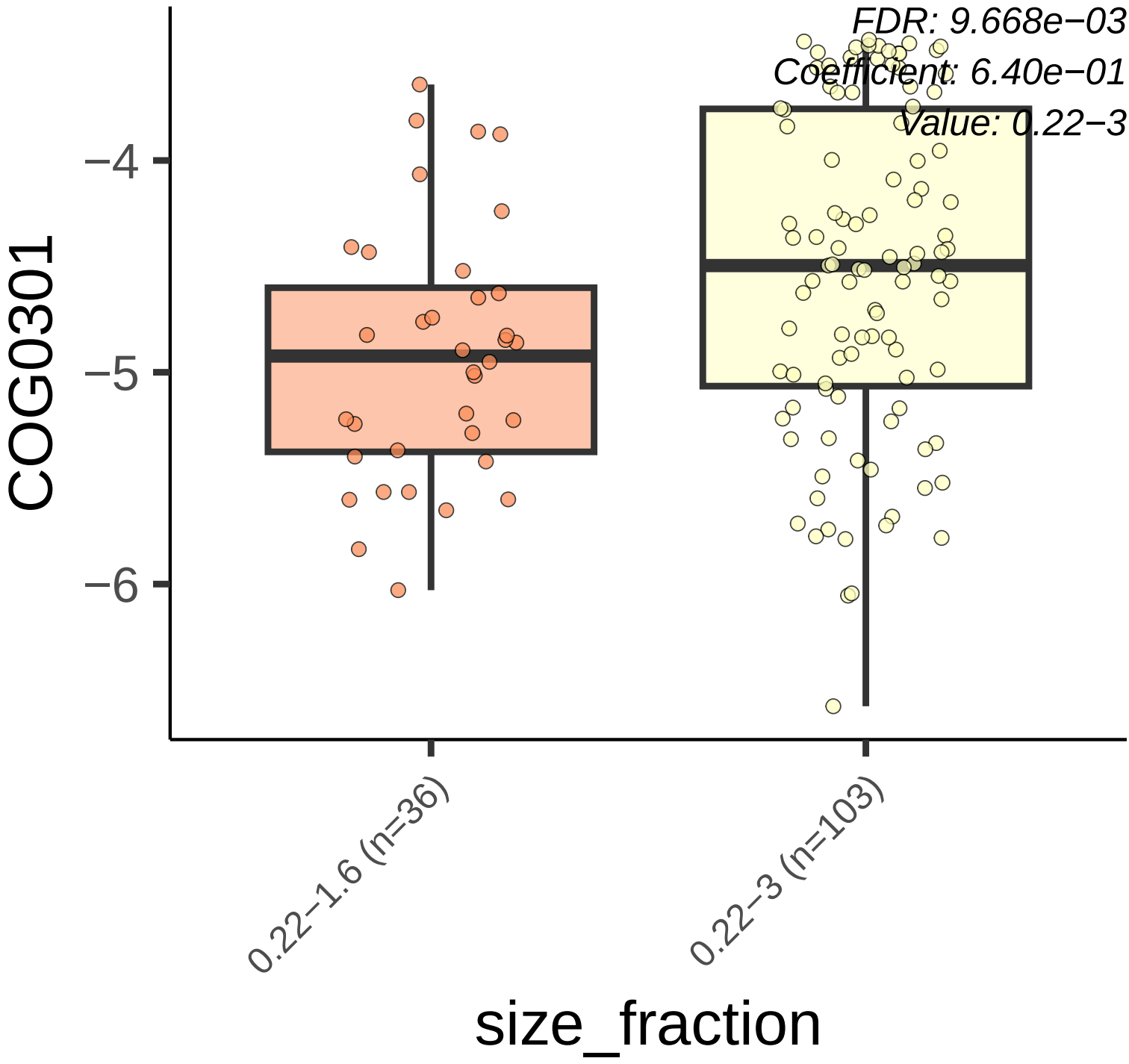
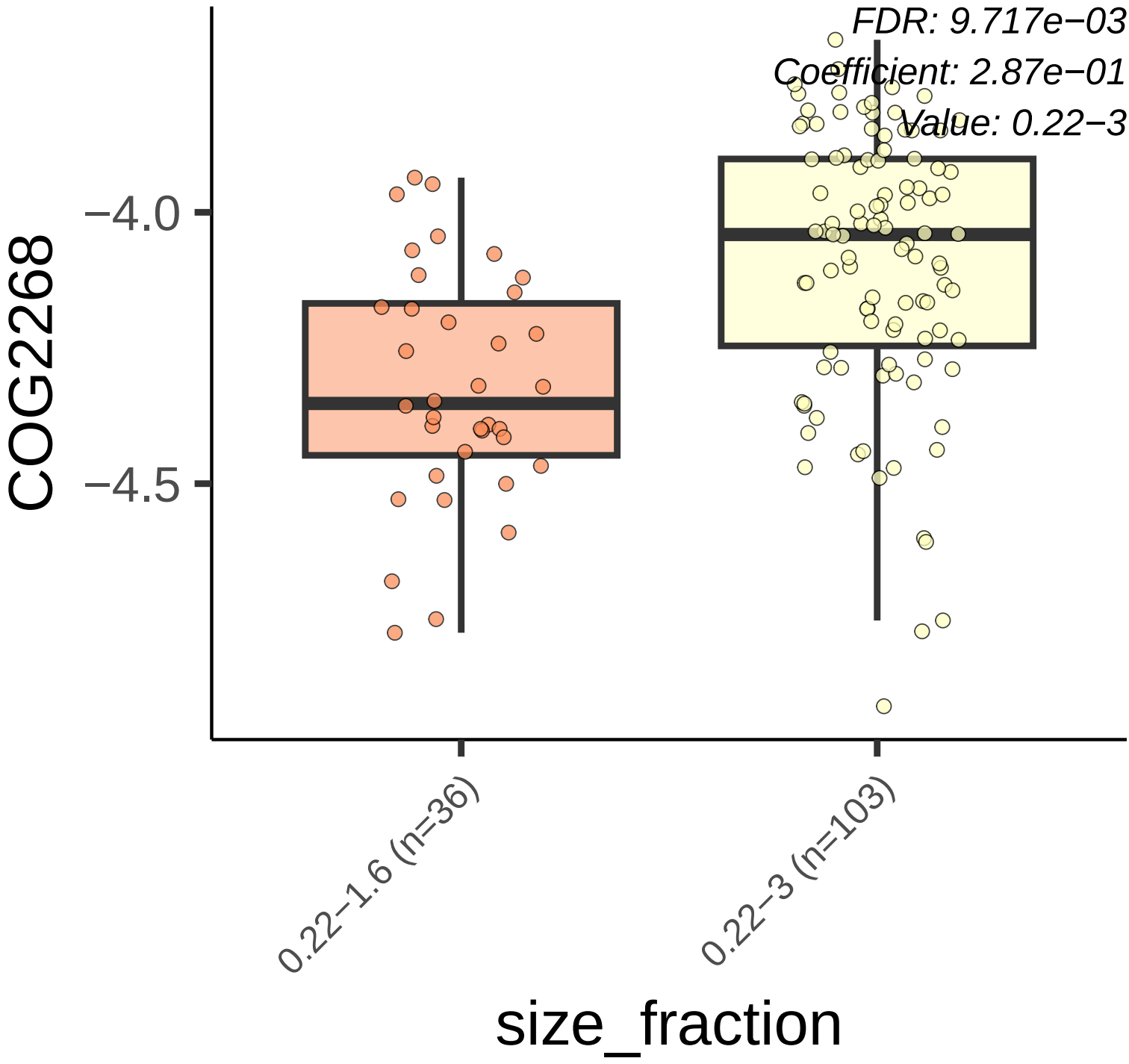
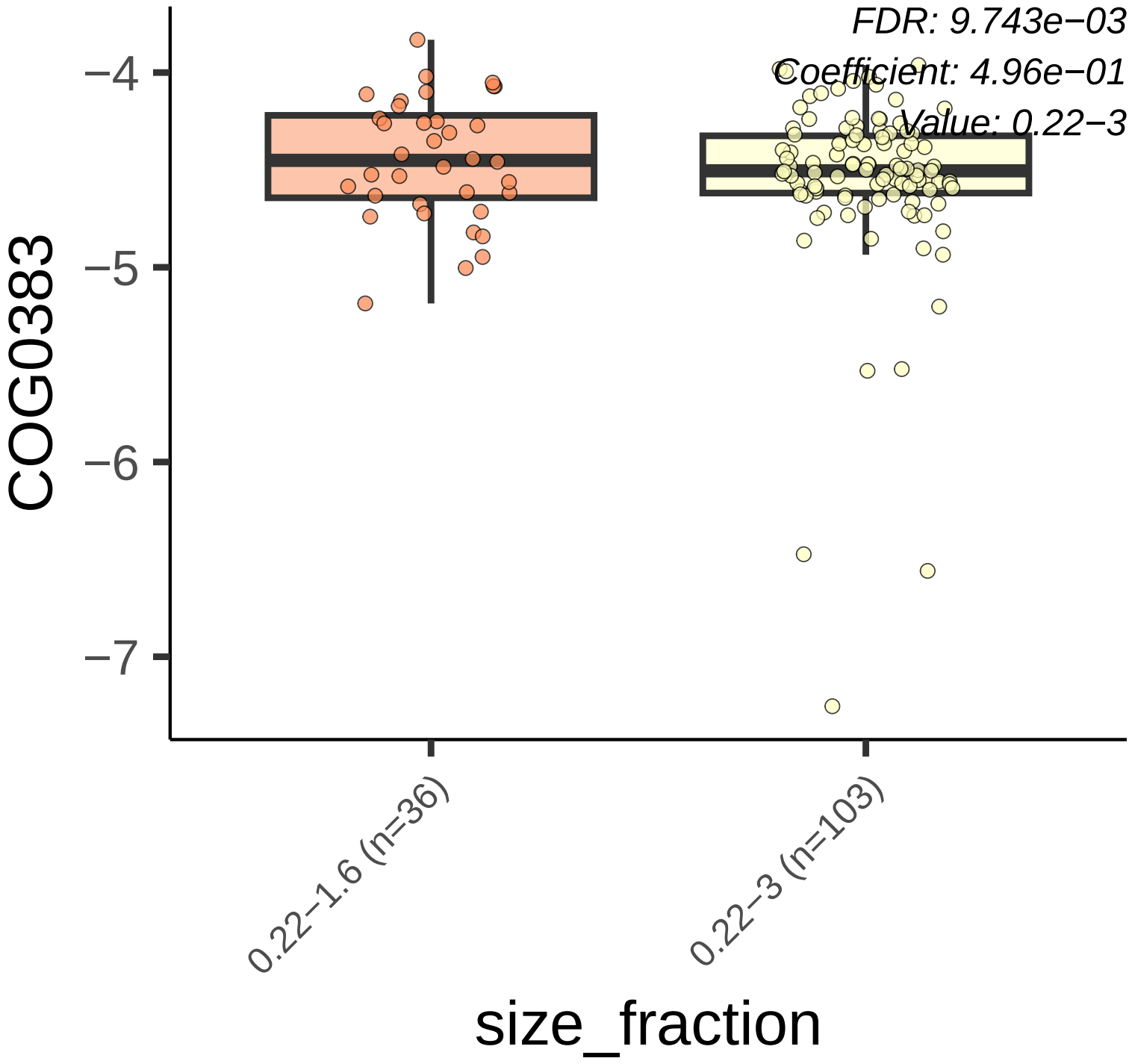
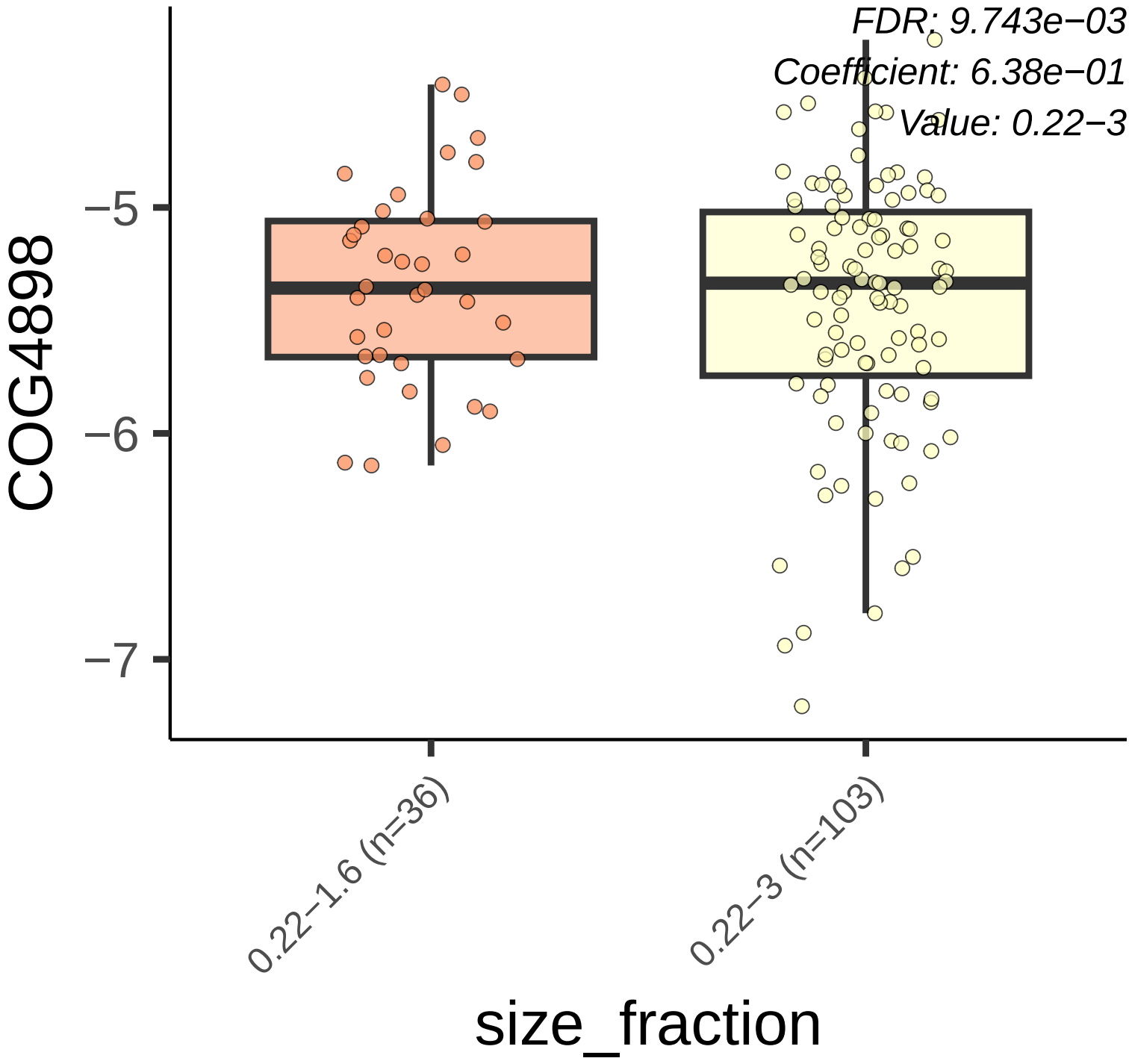
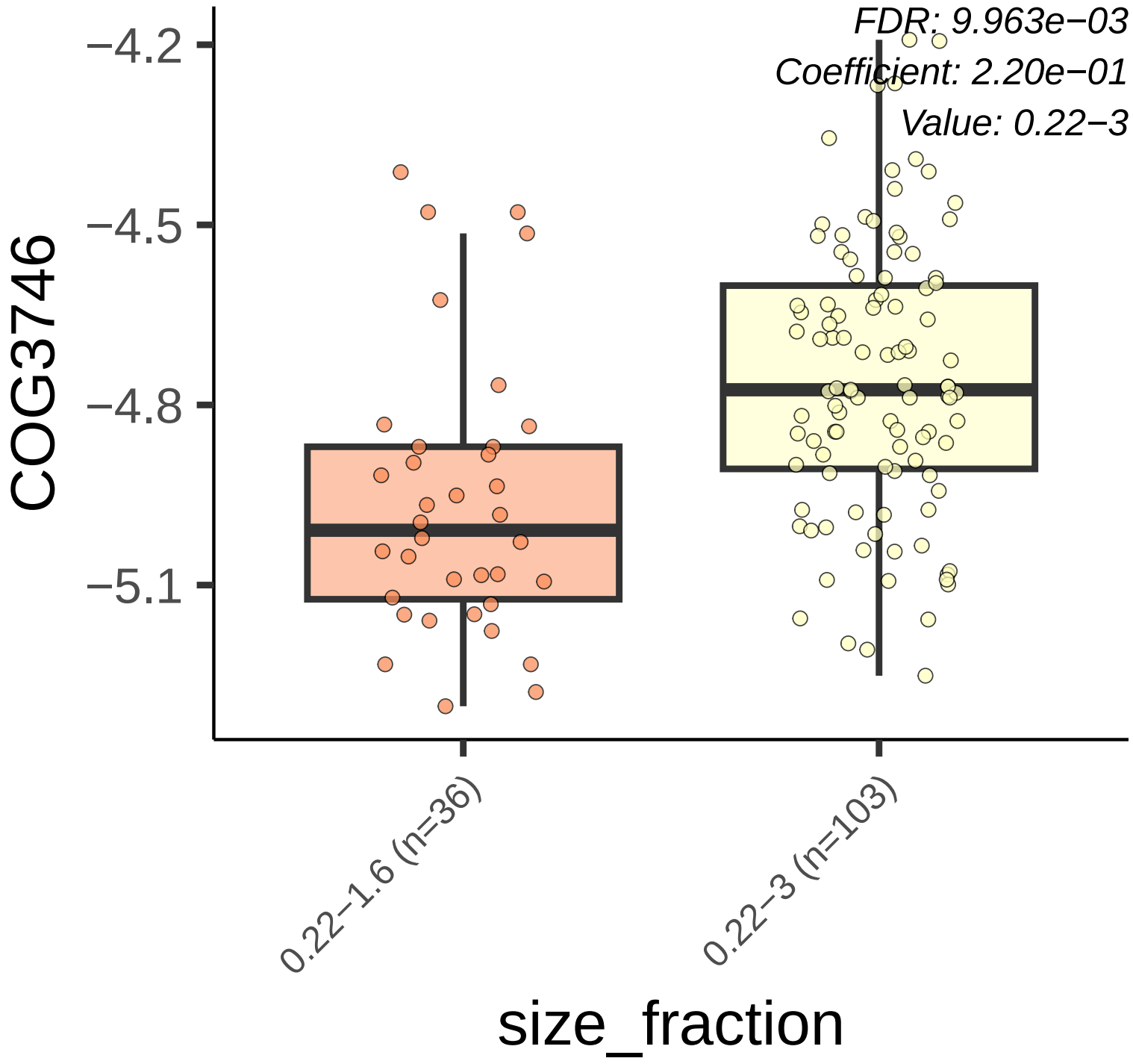
−4.50
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

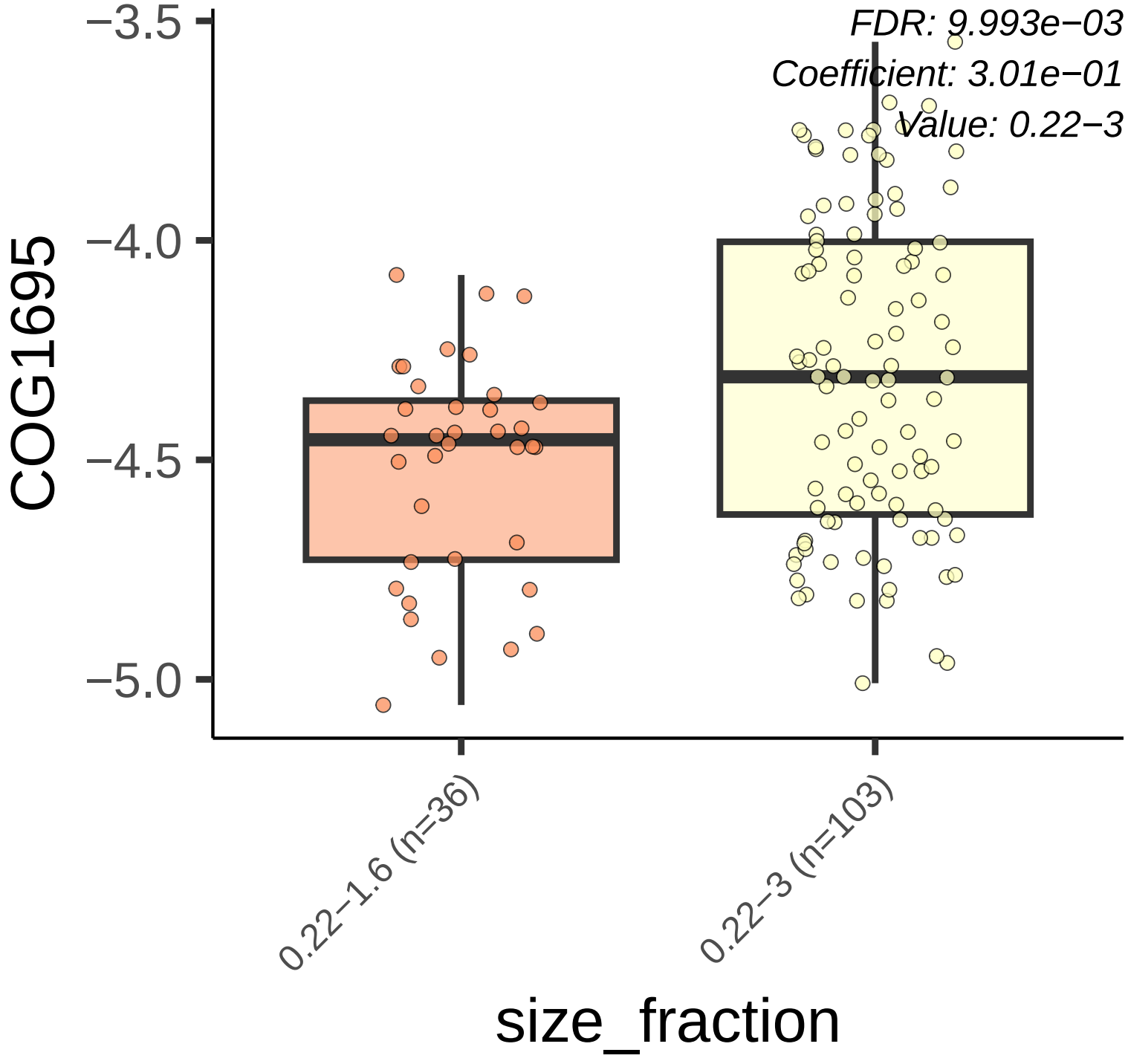

FDR: 9.668e−03
Coefficient: 6.40e−01
Value: 0.22−3
COG0301
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

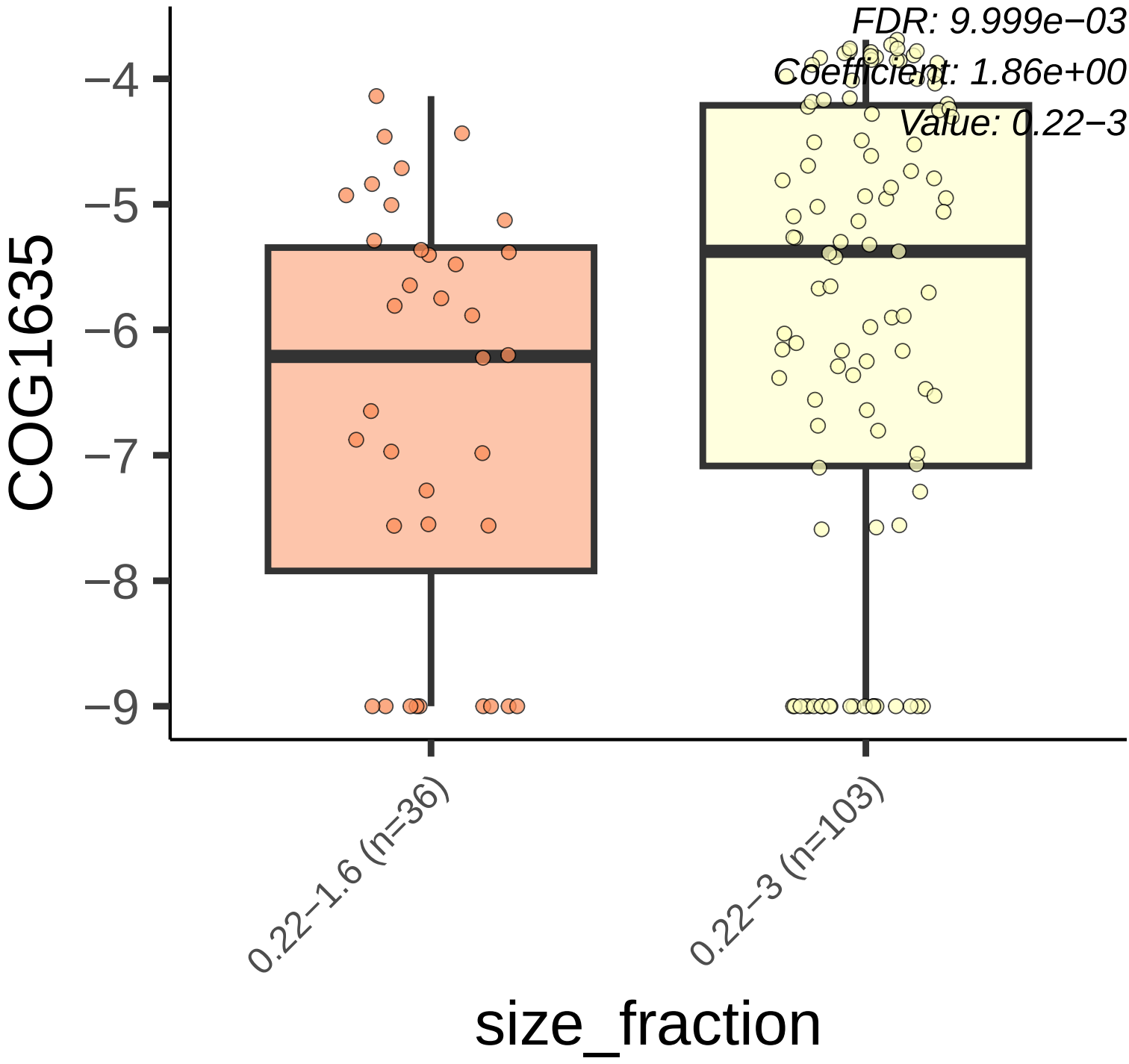

FDR: 9.717e−03
Coefficient: 2.87e−01
Value: 0.22−3
COG2268
−4.0
−4.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

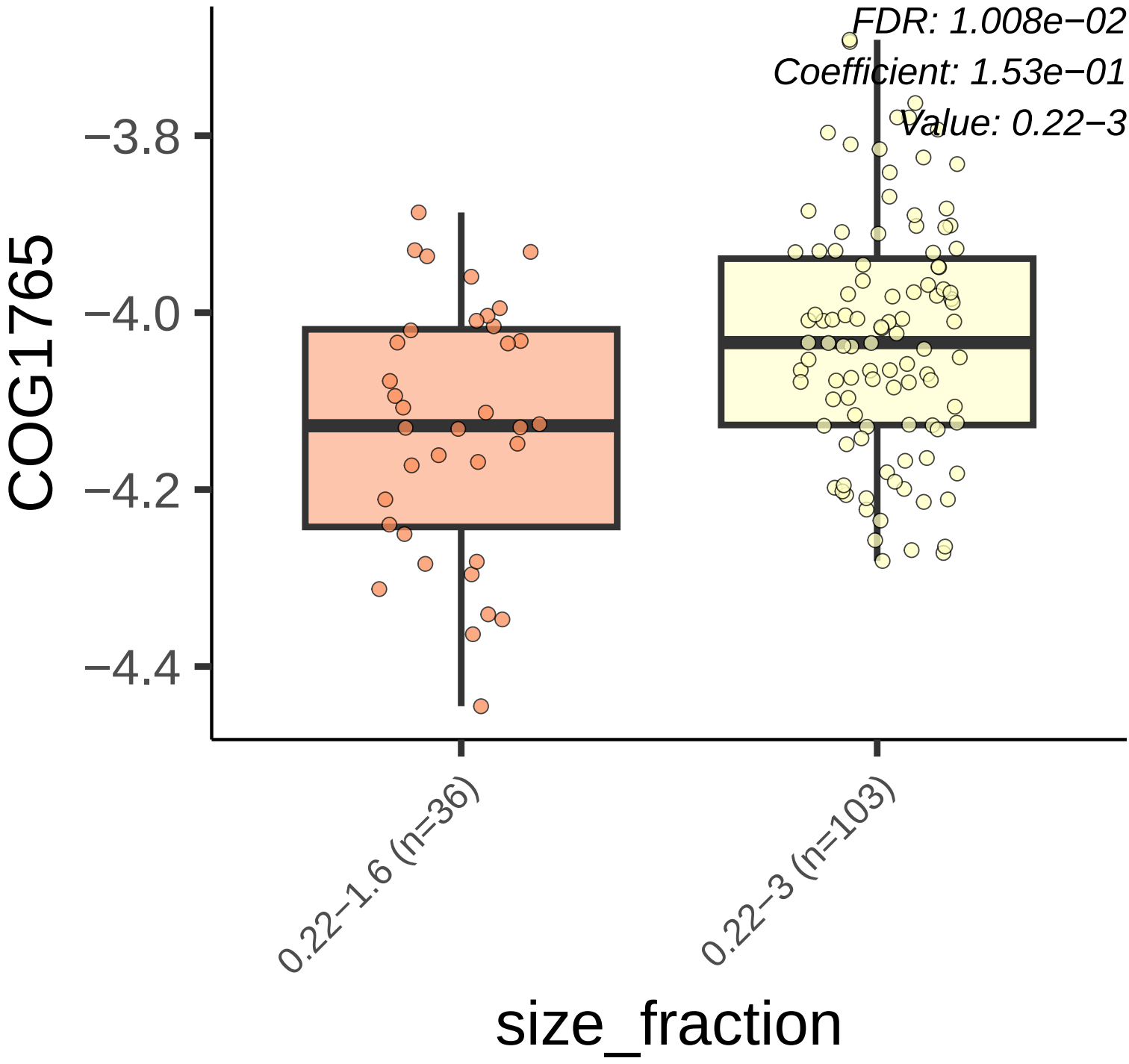

FDR: 9.743e−03
Coefficient: 4.96e−01
Value: 0.22−3
COG0383
−4
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

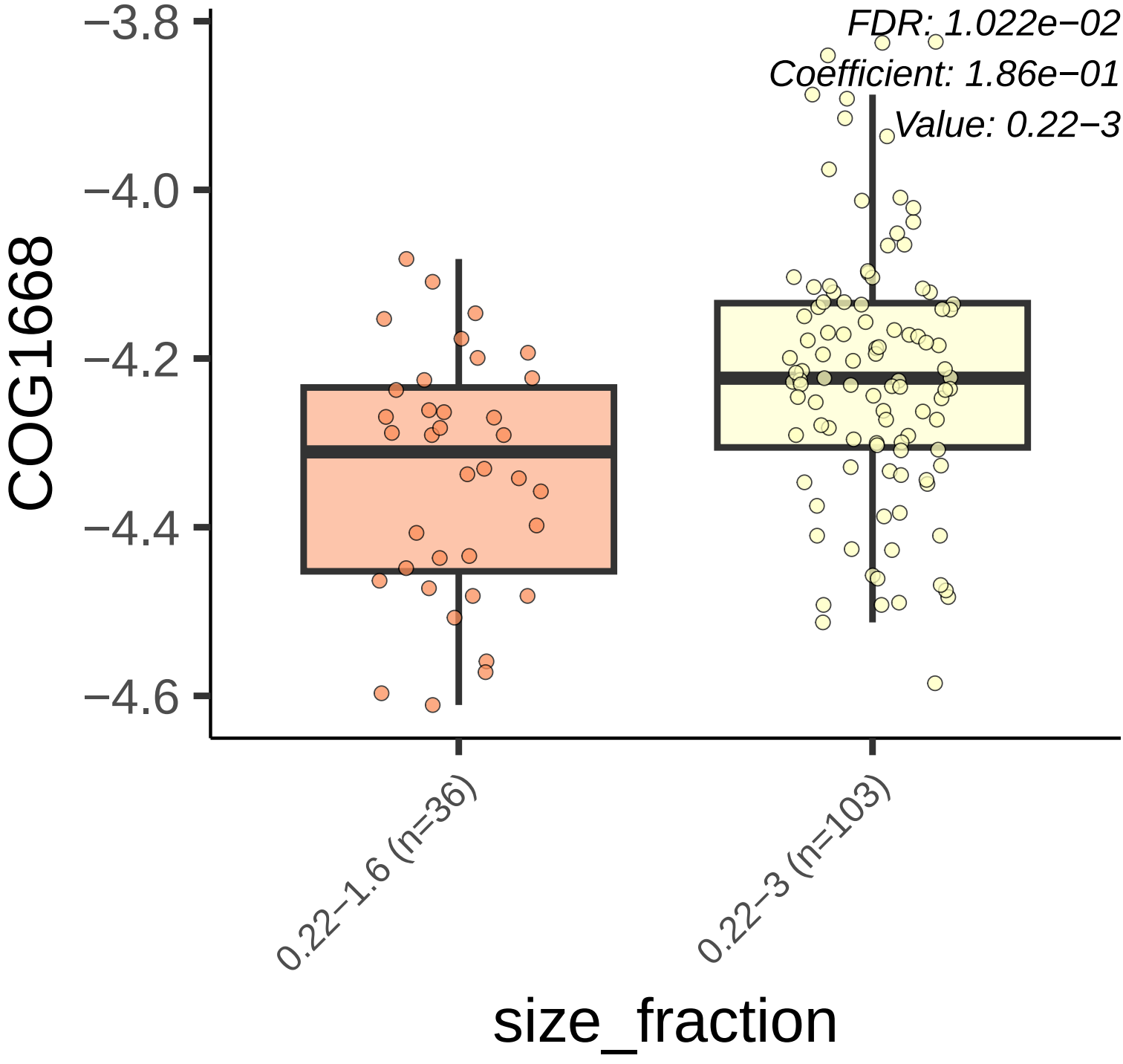

FDR: 9.743e−03
Coefficient: 6.38e−01
Value: 0.22−3
COG4898
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

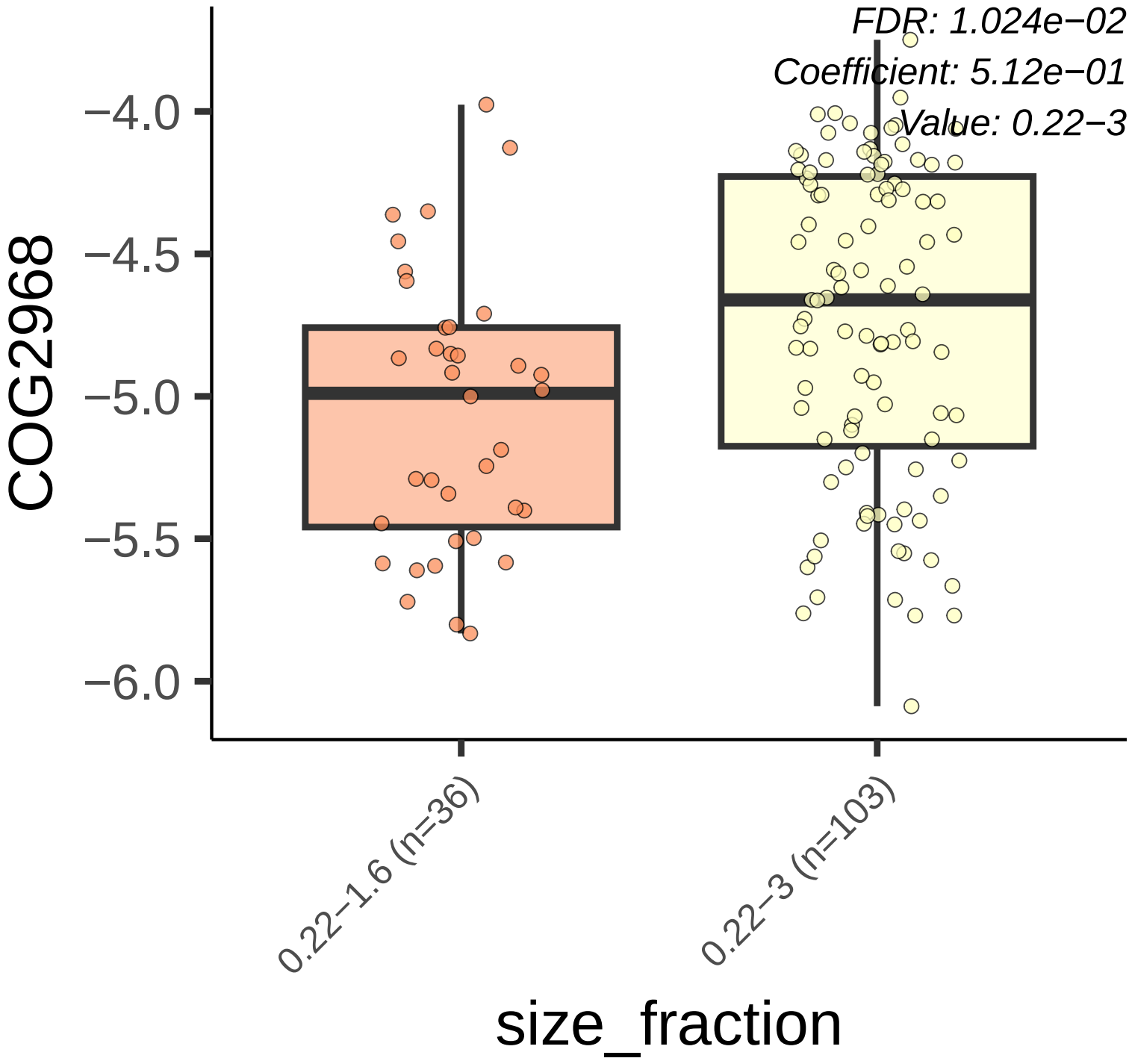

FDR: 9.963e−03
Coefficient: 2.20e−01
Value: 0.22−3
COG3746
−4.2
−4.5
−4.8
−5.1
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

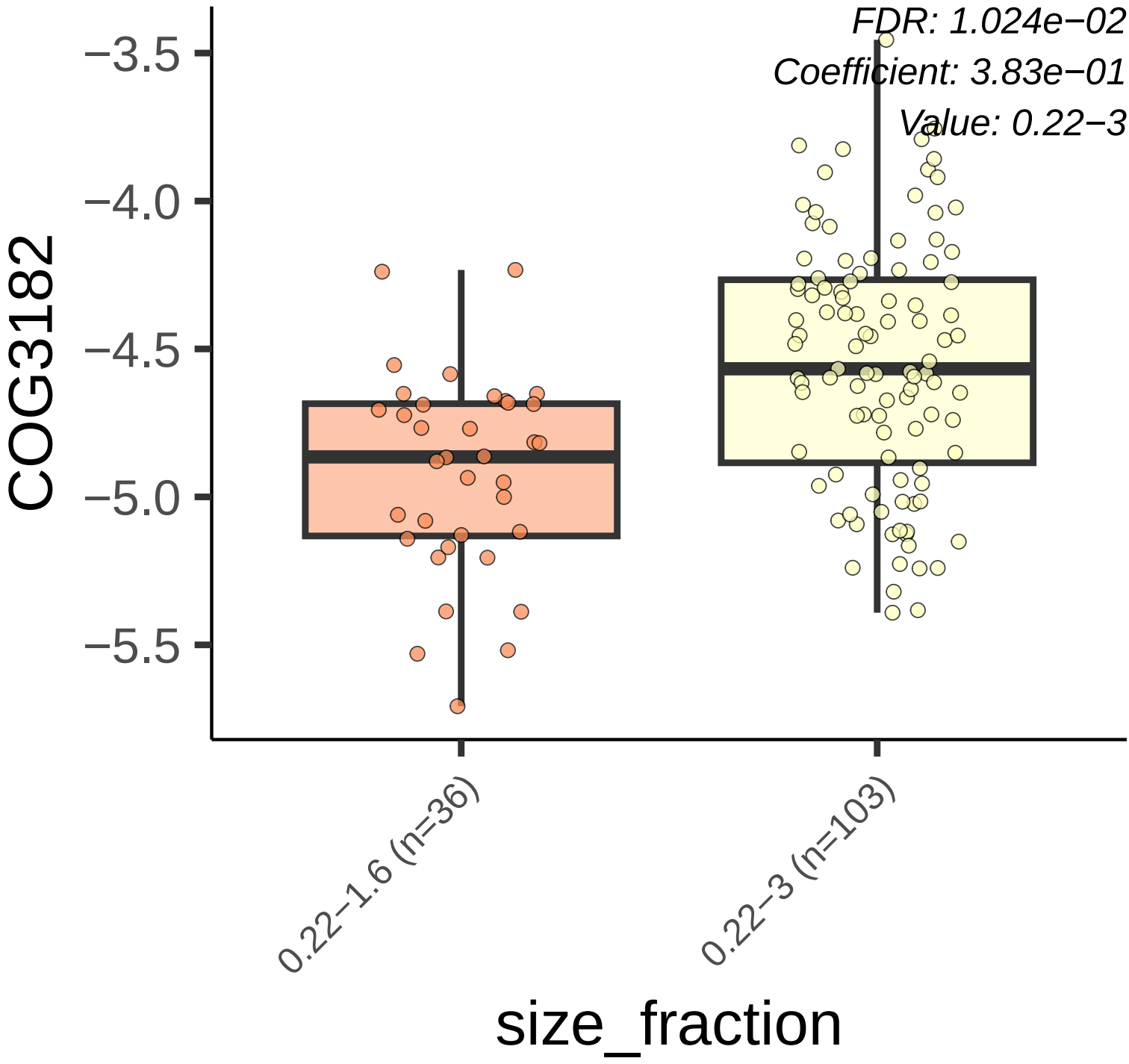

FDR: 9.993e−03
Coefficient: 3.01e−01
Value: 0.22−3
−3.5
−4.0
−4.5
−5.0
COG1695
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

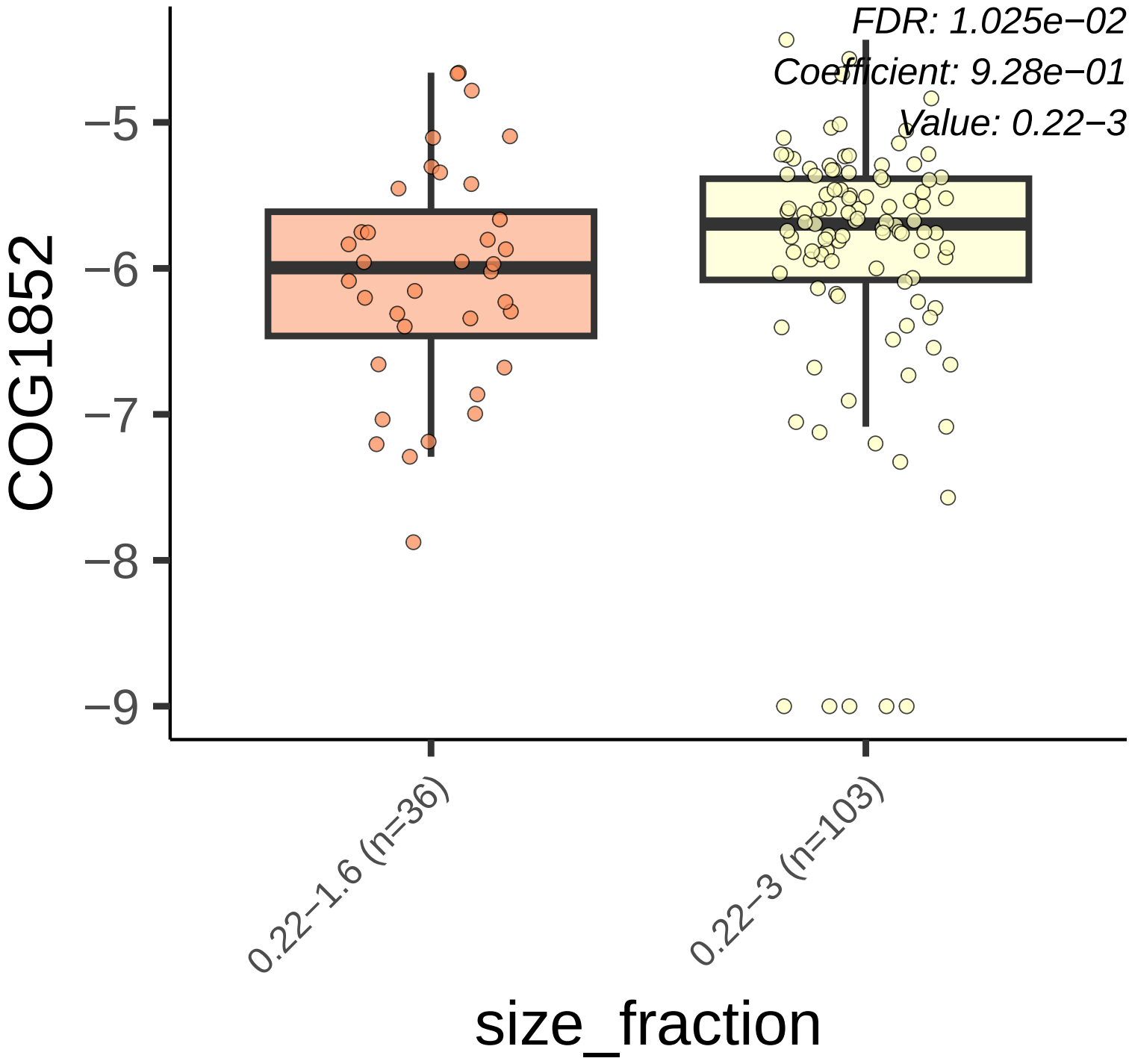

FDR: 9.999e−03
Coefficient: 1.86e+00
Value: 0.22−3
COG1635
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

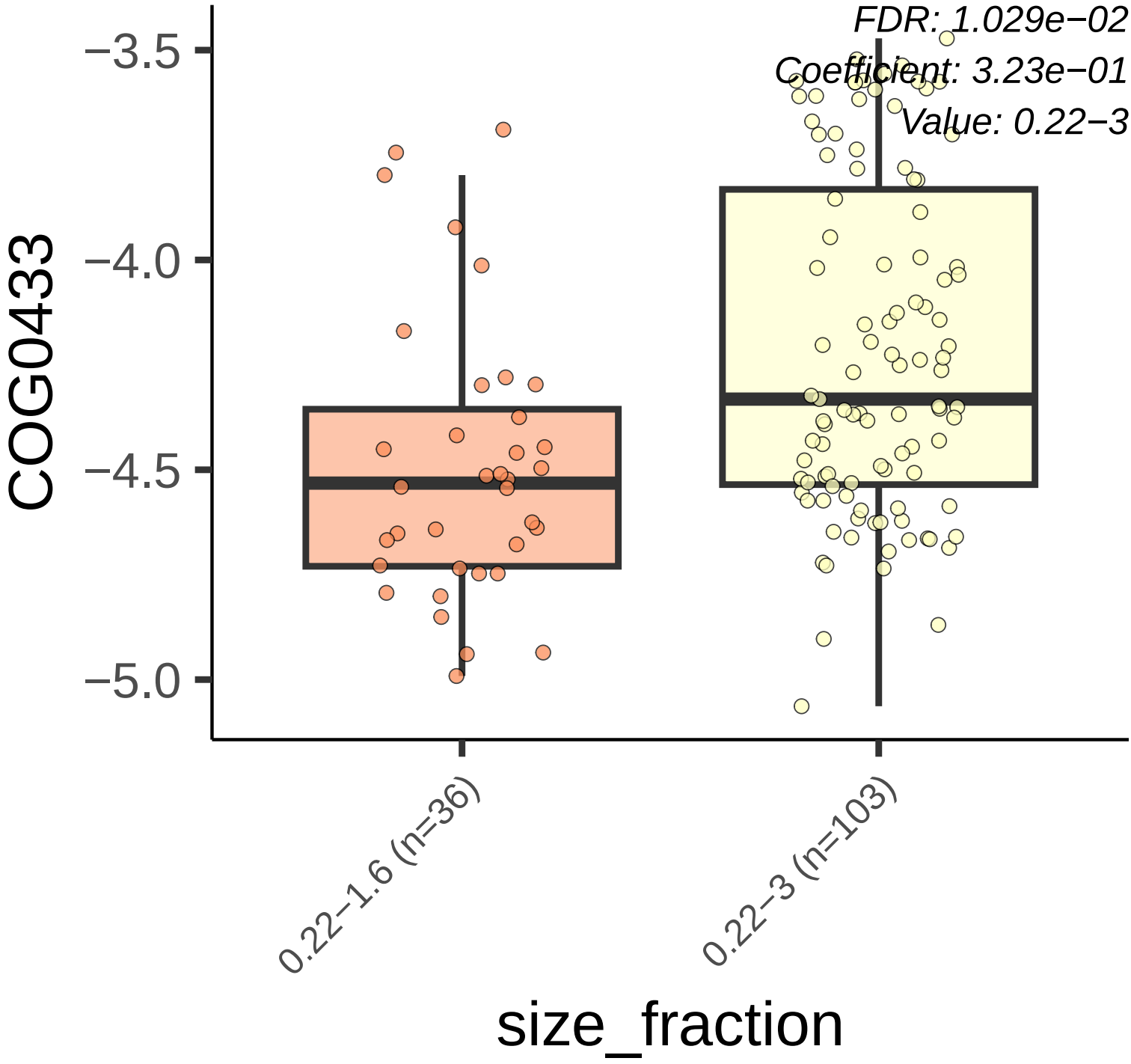

FDR: 1.008e−02
Coefficient: 1.53e−01
Value: 0.22−3
COG1765
−3.8
−4.0
−4.2
−4.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

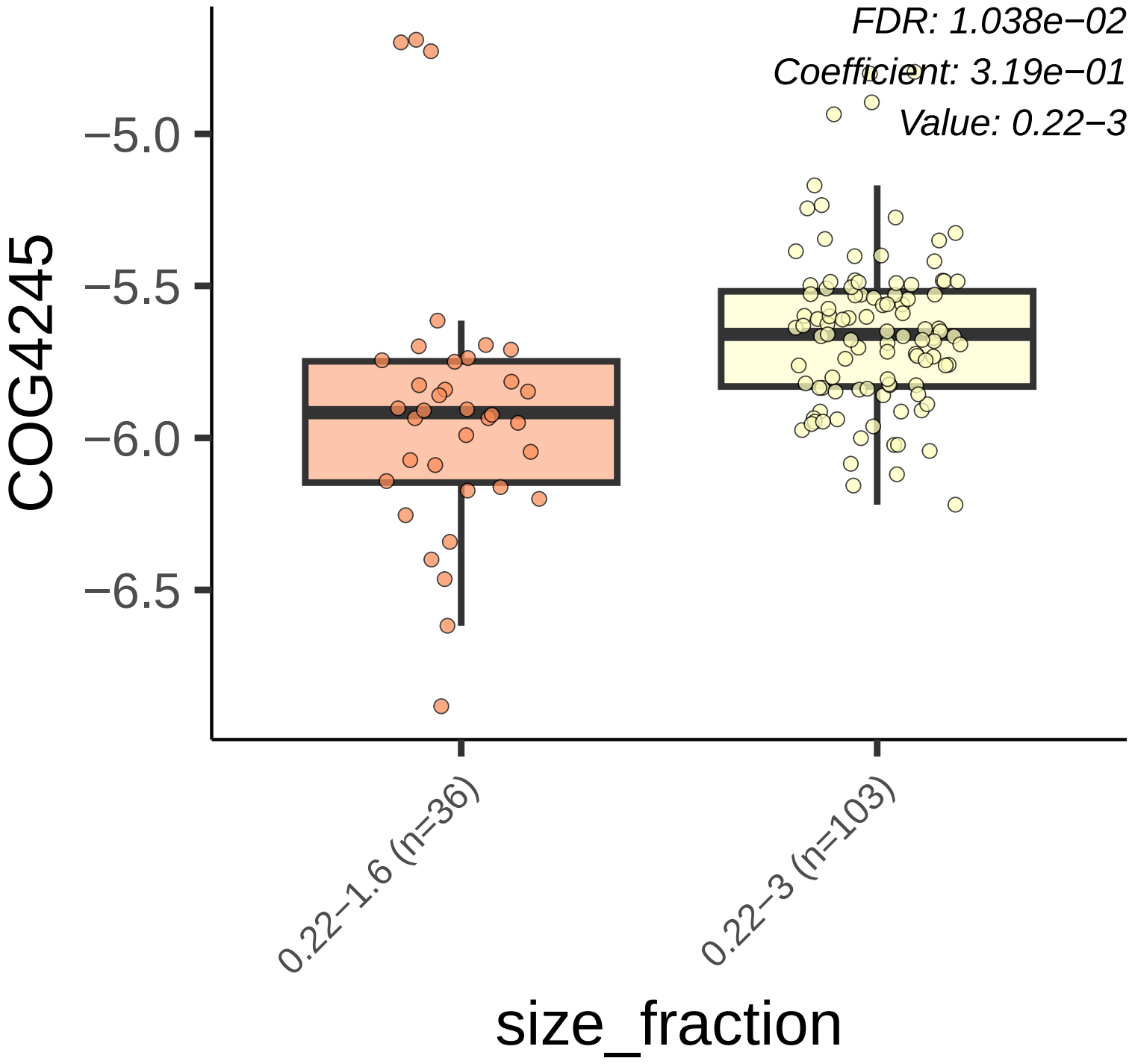

FDR: 1.022e−02
Coefficient: 1.86e−01
Value: 0.22−3
−3.8
−4.0
−4.2
−4.4
−4.6
COG1668
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

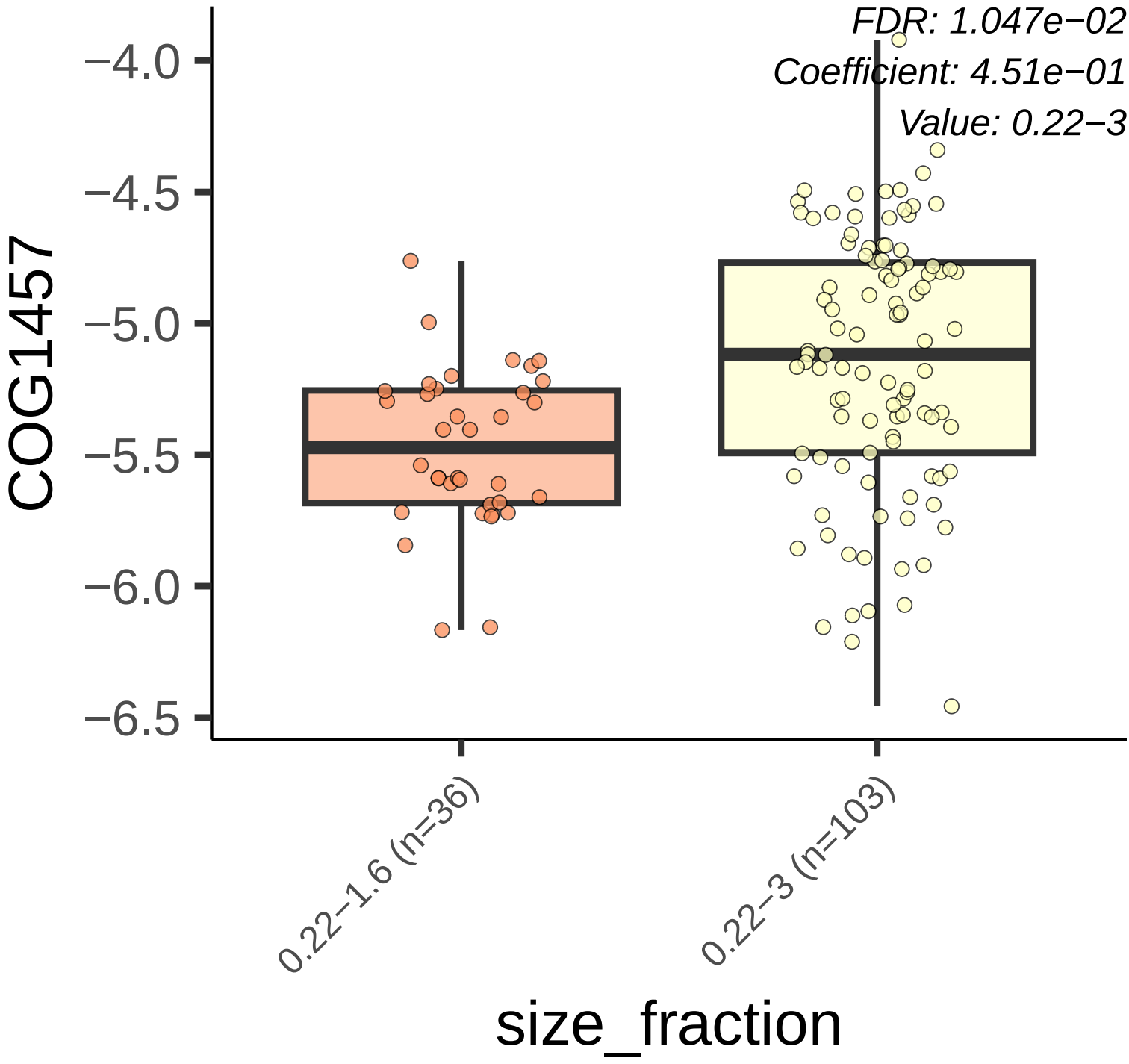

FDR: 1.024e−02
Coefficient: 5.12e−01
Value: 0.22−3
COG2968
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

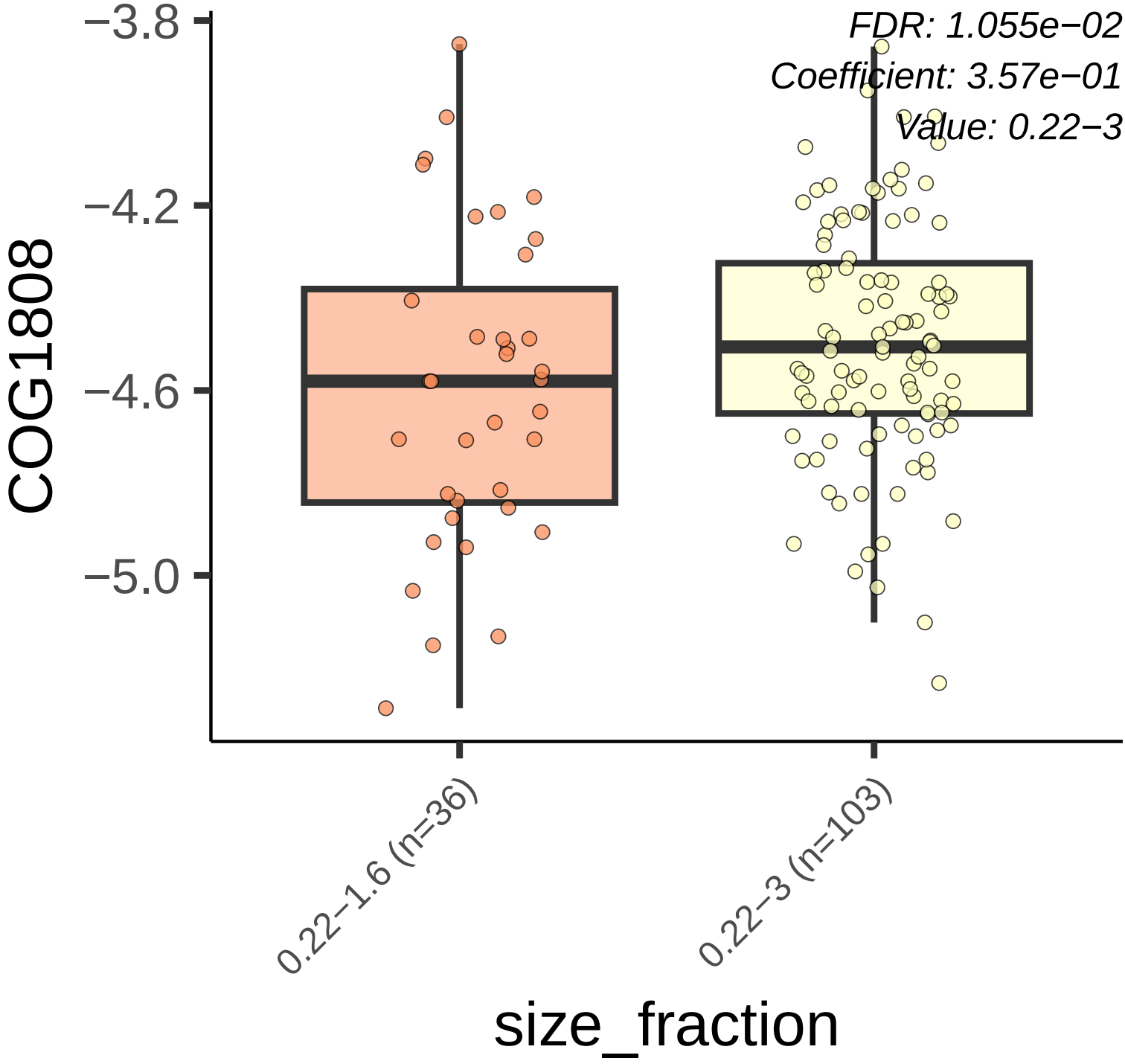

FDR: 1.024e−02
Coefficient: 3.83e−01
Value: 0.22−3
COG3182
−3.5
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

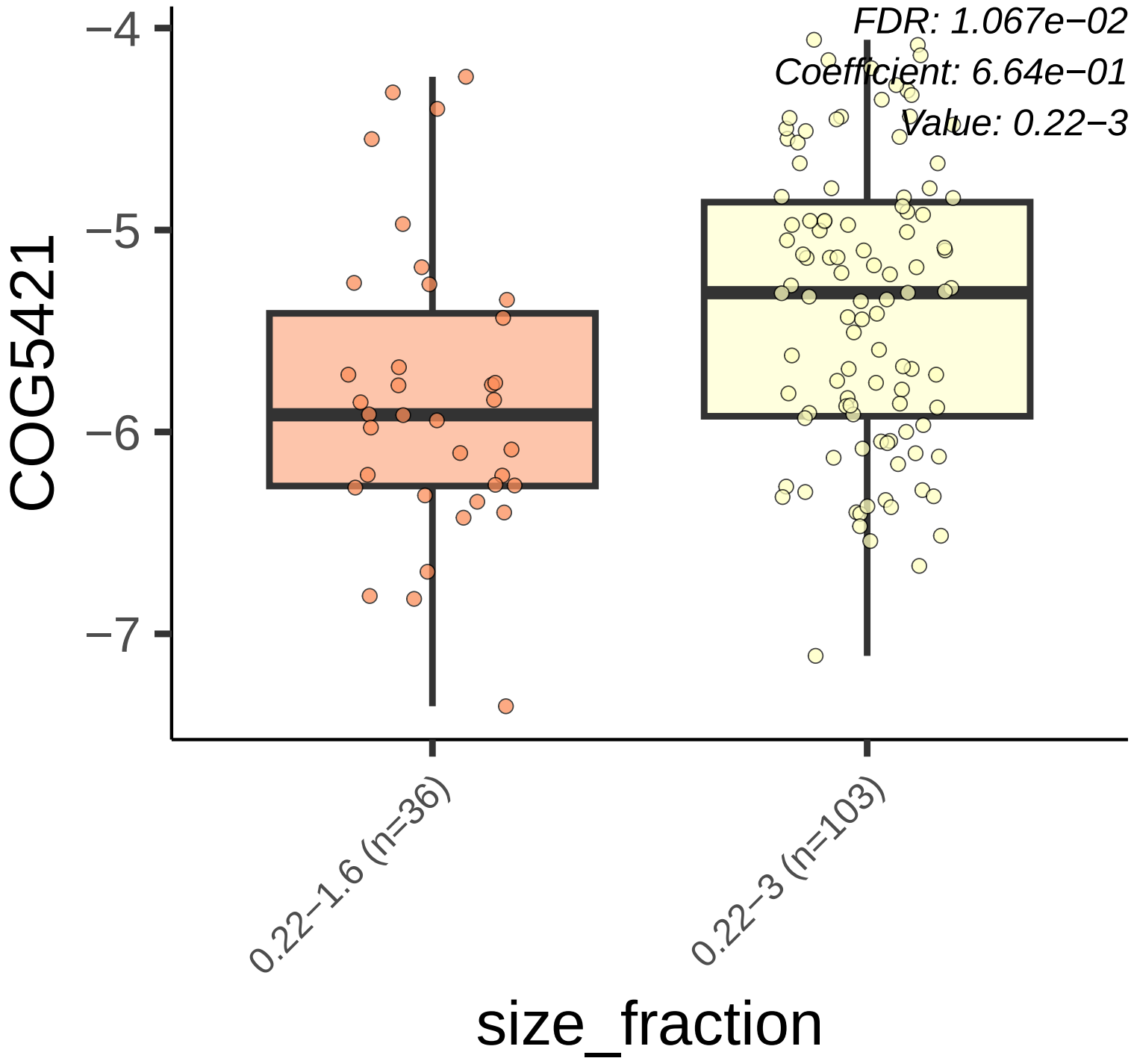

FDR: 1.025e−02
Coefficient: 9.28e−01
Value: 0.22−3
COG1852
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

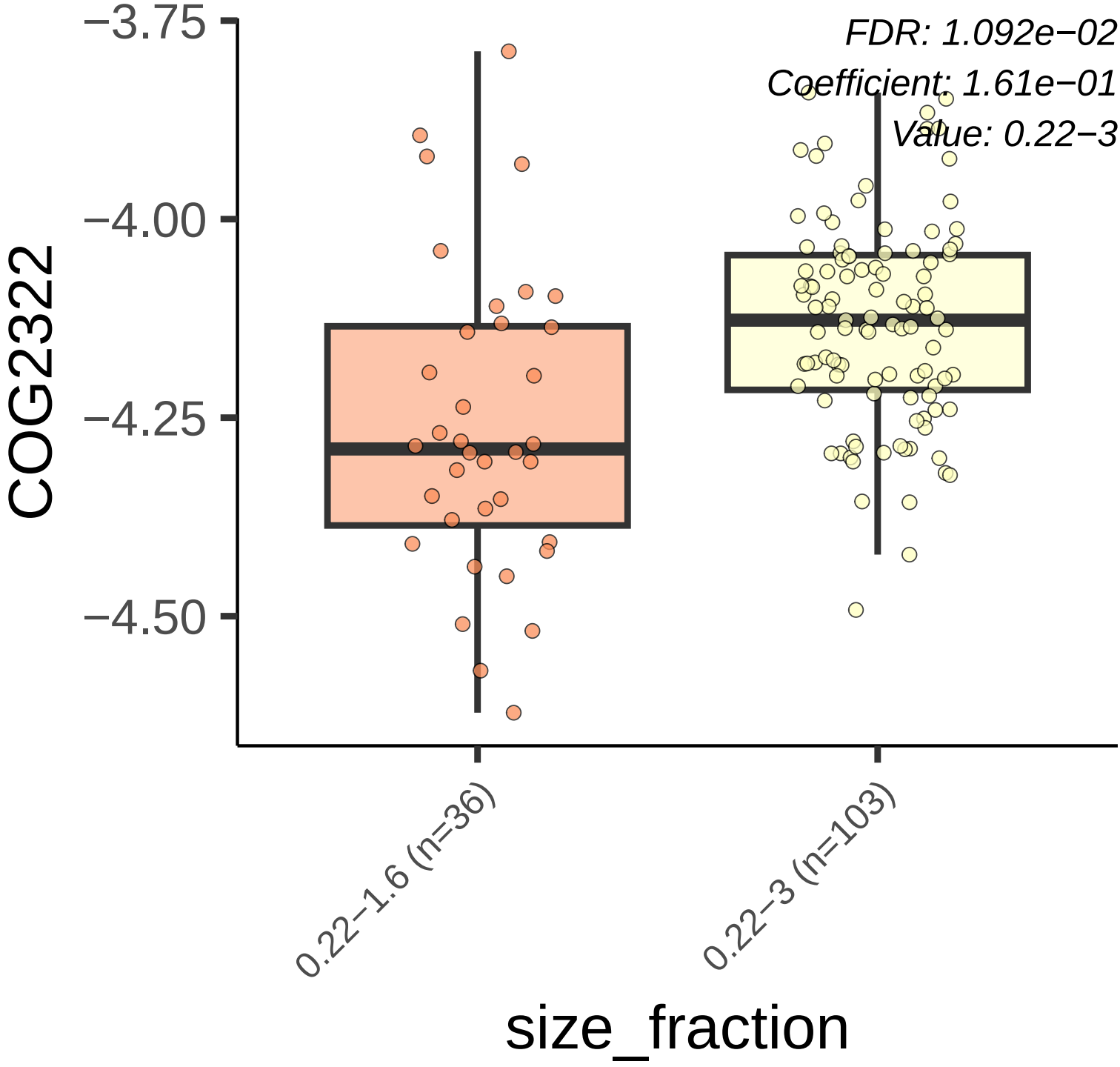

FDR: 1.029e−02
Coefficient: 3.23e−01
Value: 0.22−3
COG0433
−3.5
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

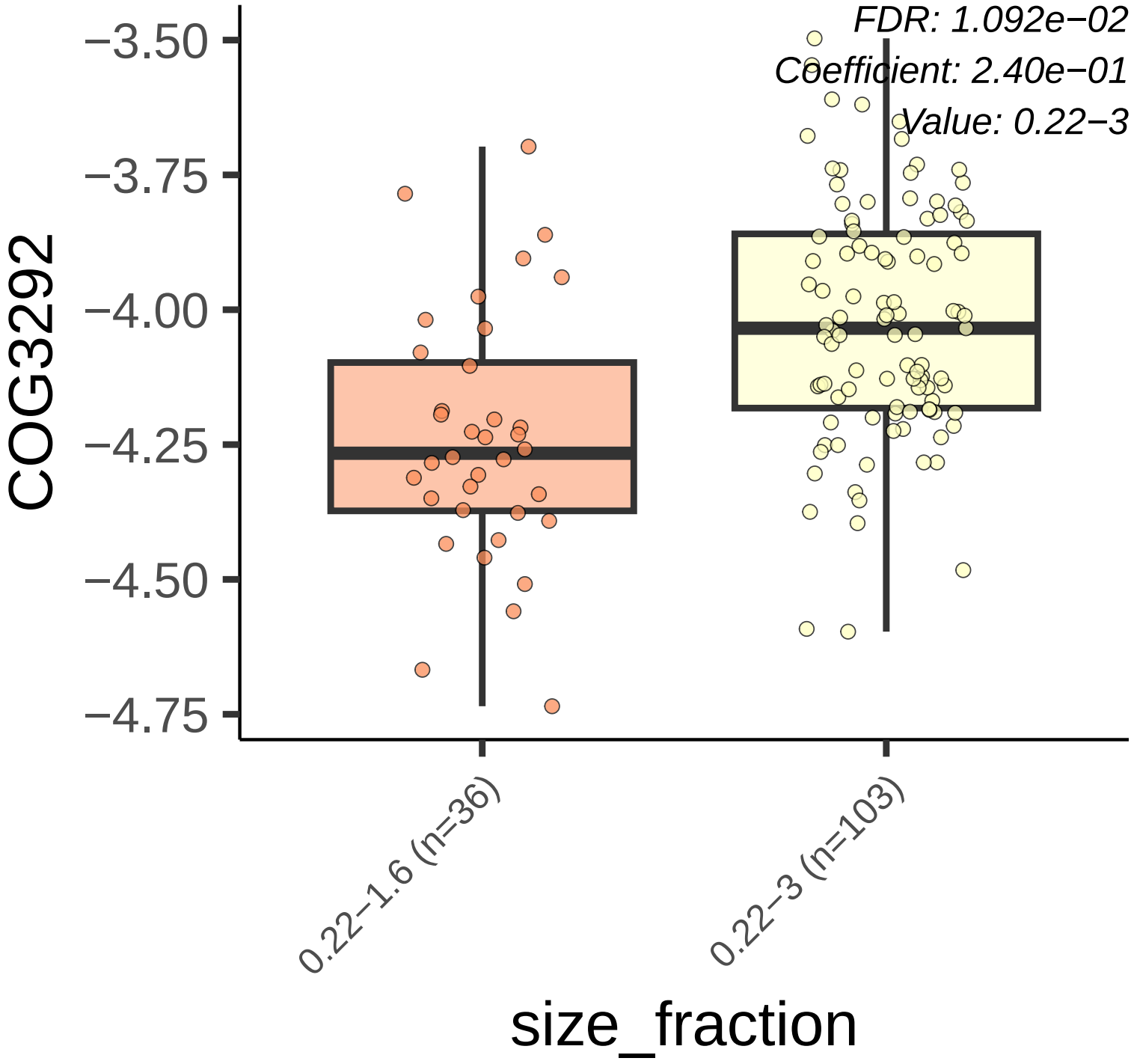

FDR: 1.038e−02
Coefficient: 3.19e−01
Value: 0.22−3
COG4245
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.047e−02
Coefficient: 4.51e−01
Value: 0.22−3
COG1457
−4.0
−4.5
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.055e−02
Coefficient: 3.57e−01
Value: 0.22−3
−3.8
−4.2
−4.6
−5.0
COG1808
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.067e−02
Coefficient: 6.64e−01
Value: 0.22−3
COG5421
−4
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.092e−02
Coefficient: 1.61e−01
Value: 0.22−3
−3.75
−4.00
−4.25
−4.50
COG2322
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.092e−02
Coefficient: 2.40e−01
Value: 0.22−3
COG3292
−3.50
−3.75
−4.00
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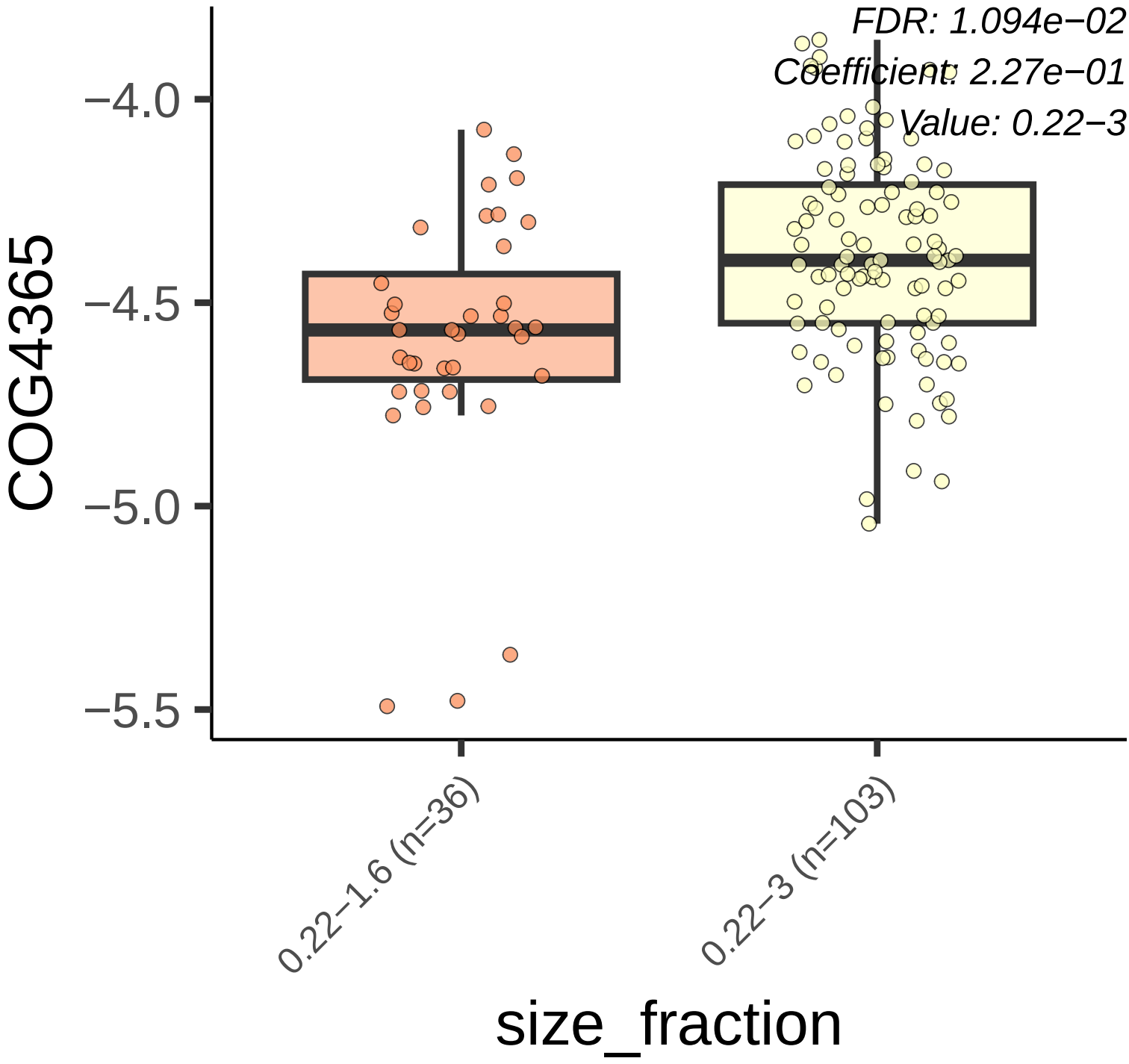
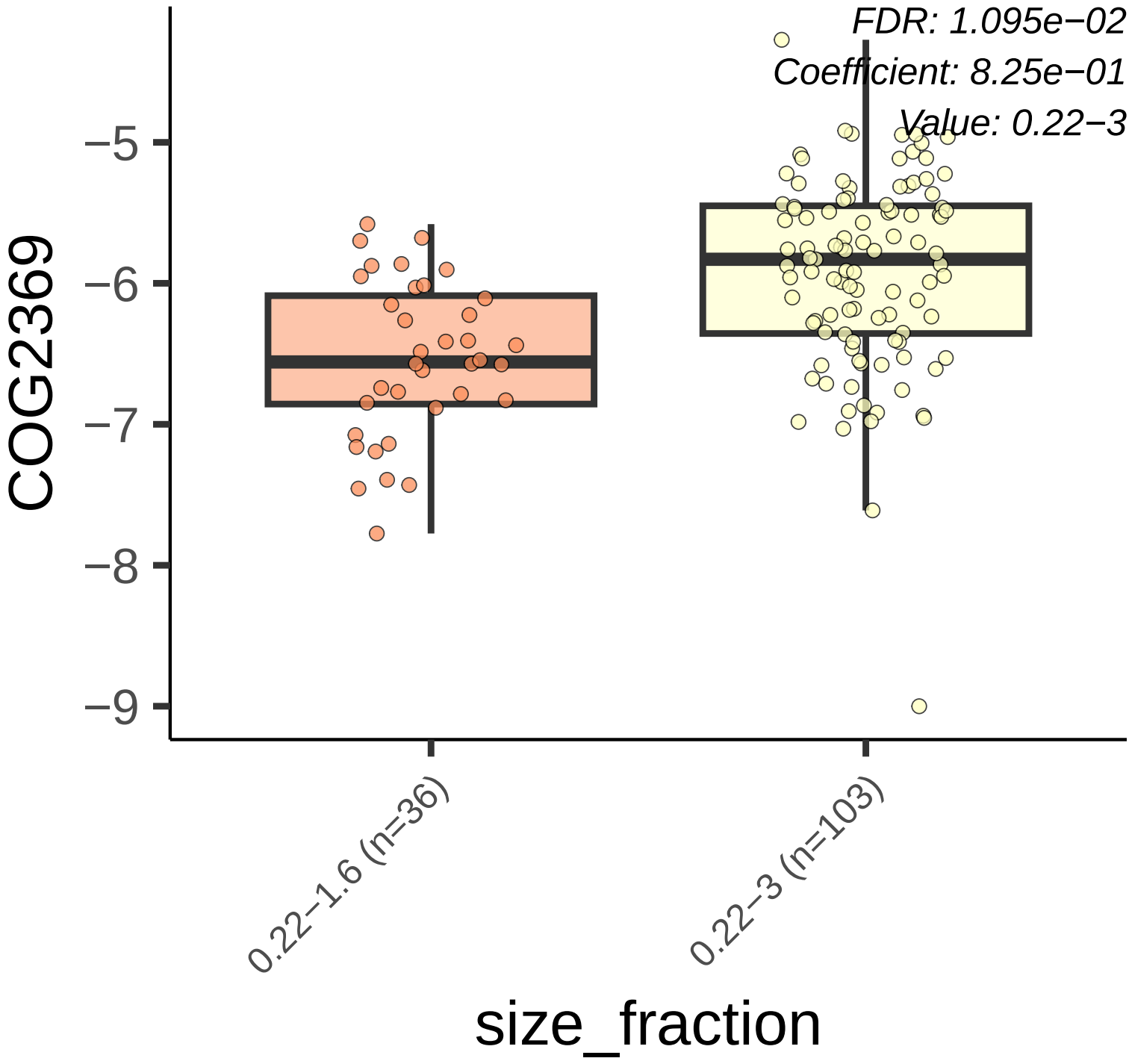
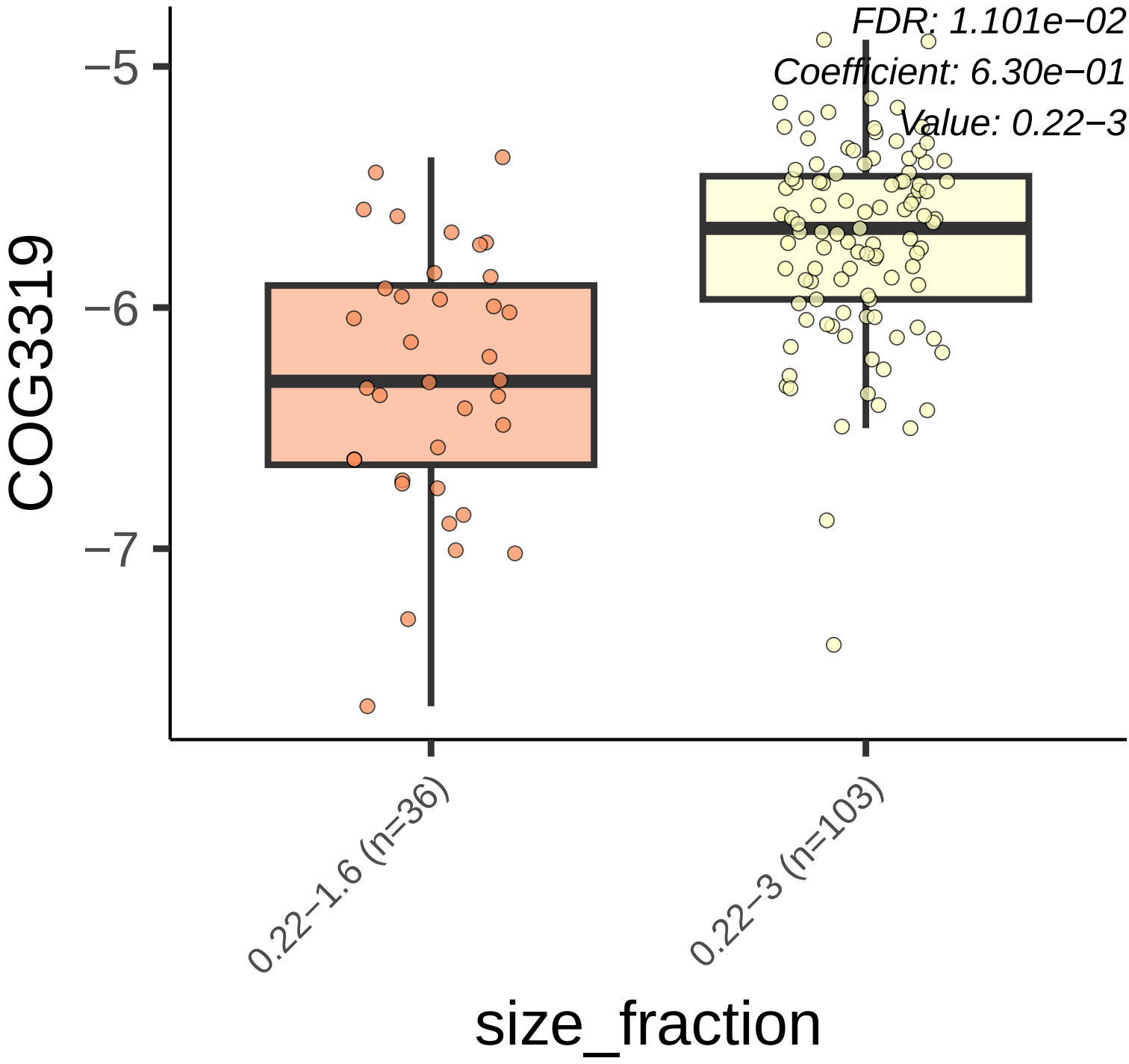
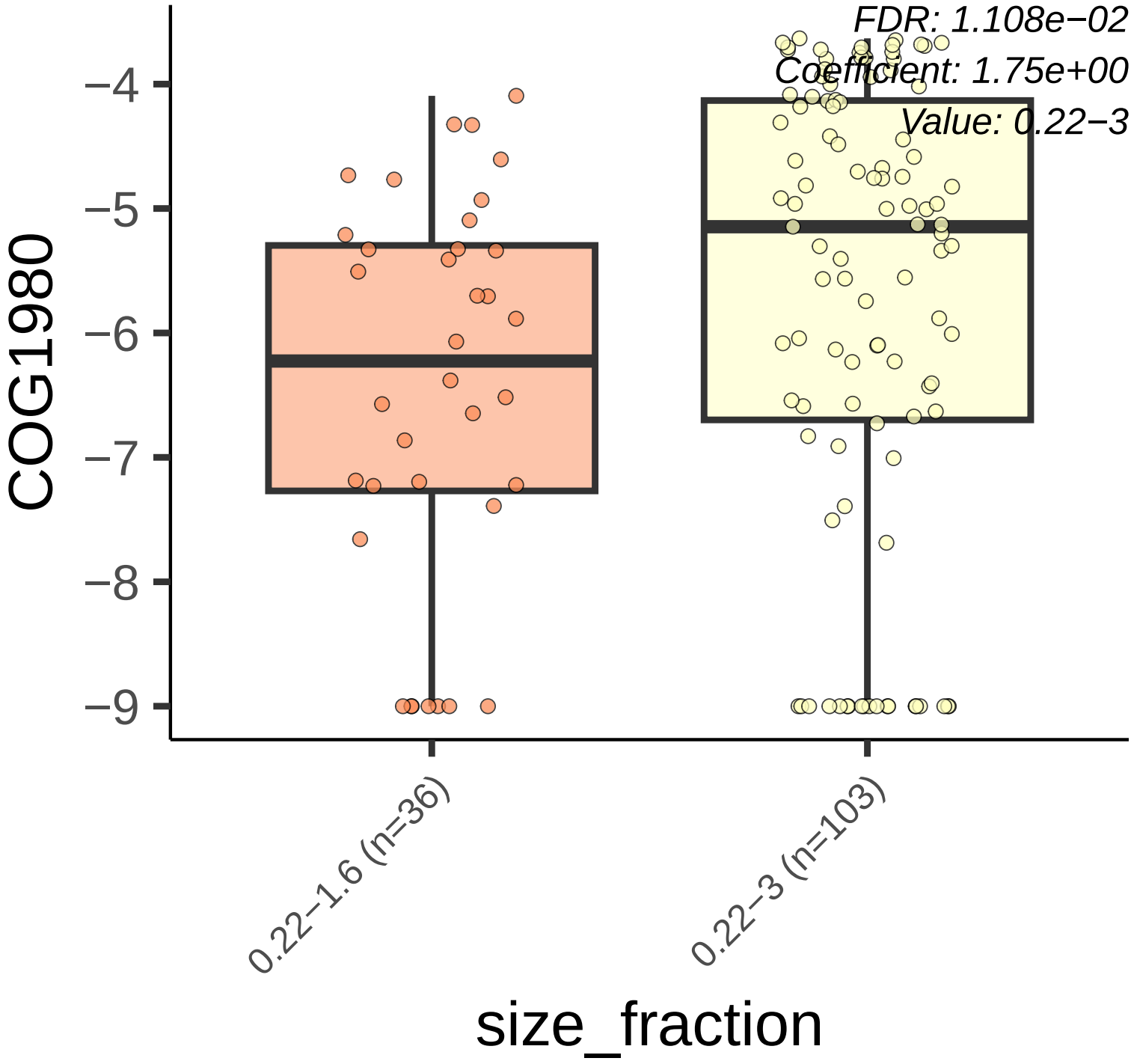
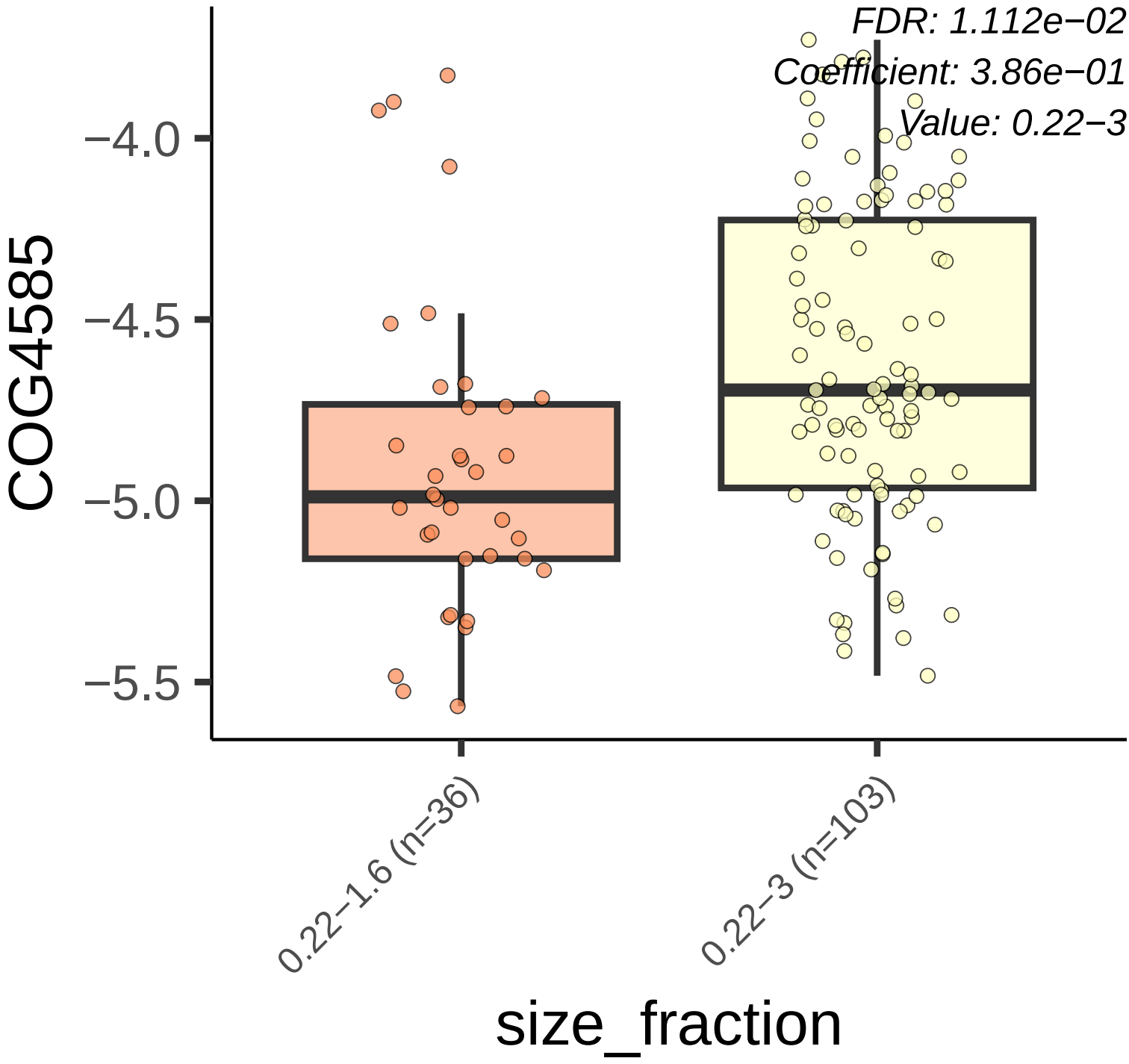
−4.75
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

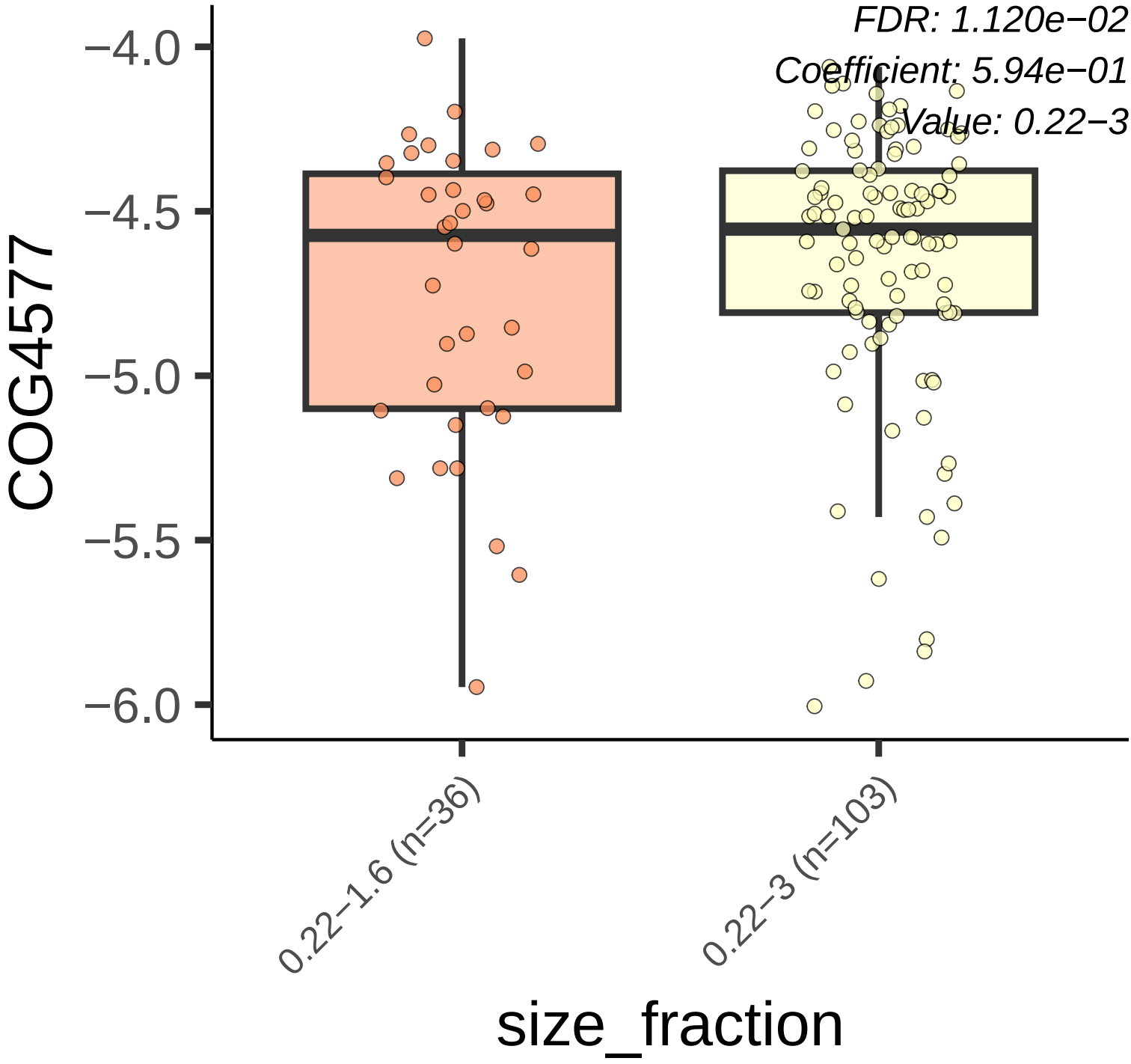

FDR: 1.094e−02
Coefficient: 2.27e−01
Value: 0.22−3
COG4365
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.095e−02
Coefficient: 8.25e−01
Value: 0.22−3
COG2369
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.101e−02
Coefficient: 6.30e−01
Value: 0.22−3
COG3319
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.108e−02
Coefficient: 1.75e+00
Value: 0.22−3
COG1980
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.112e−02
Coefficient: 3.86e−01
Value: 0.22−3
COG4585
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction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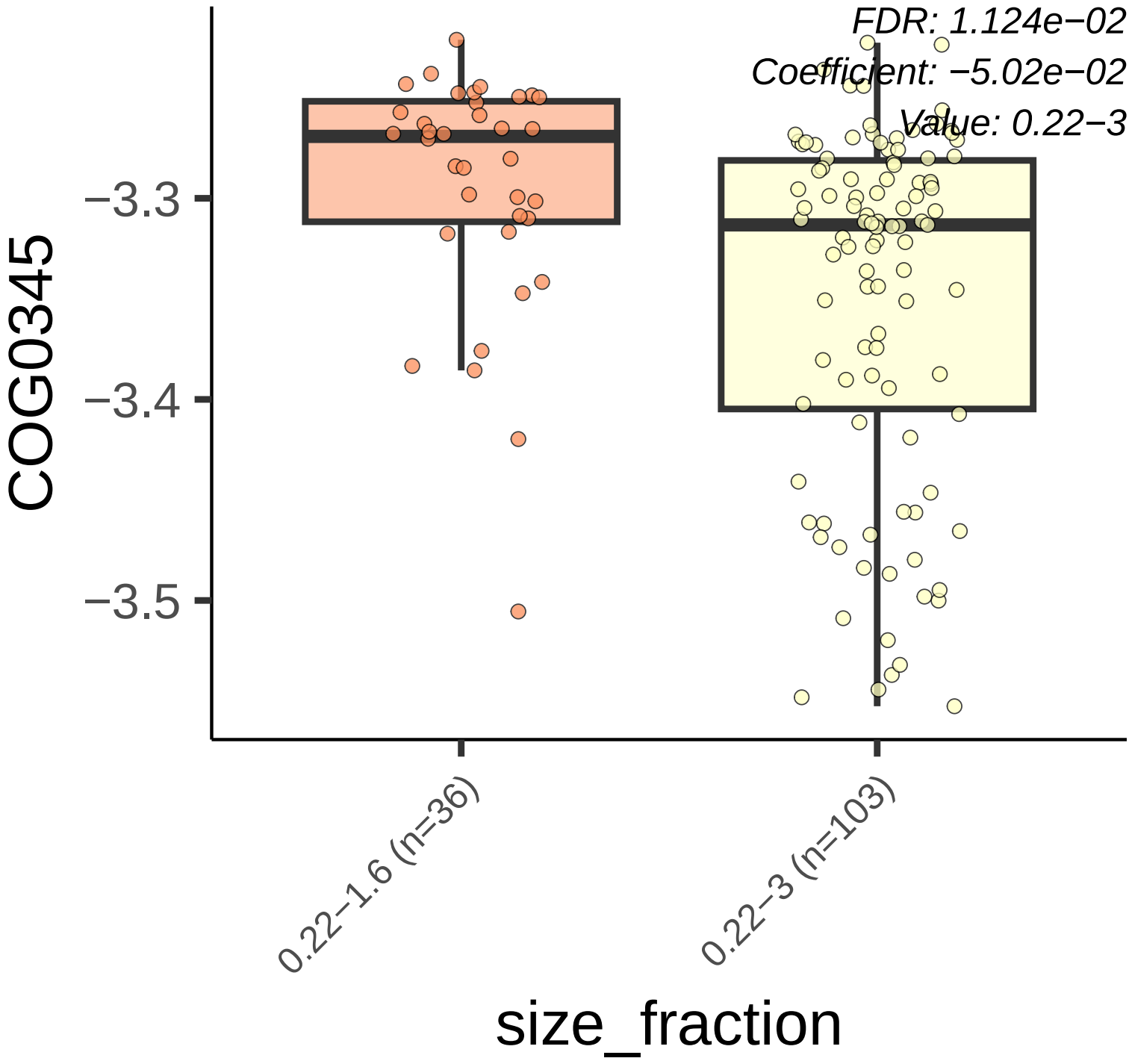
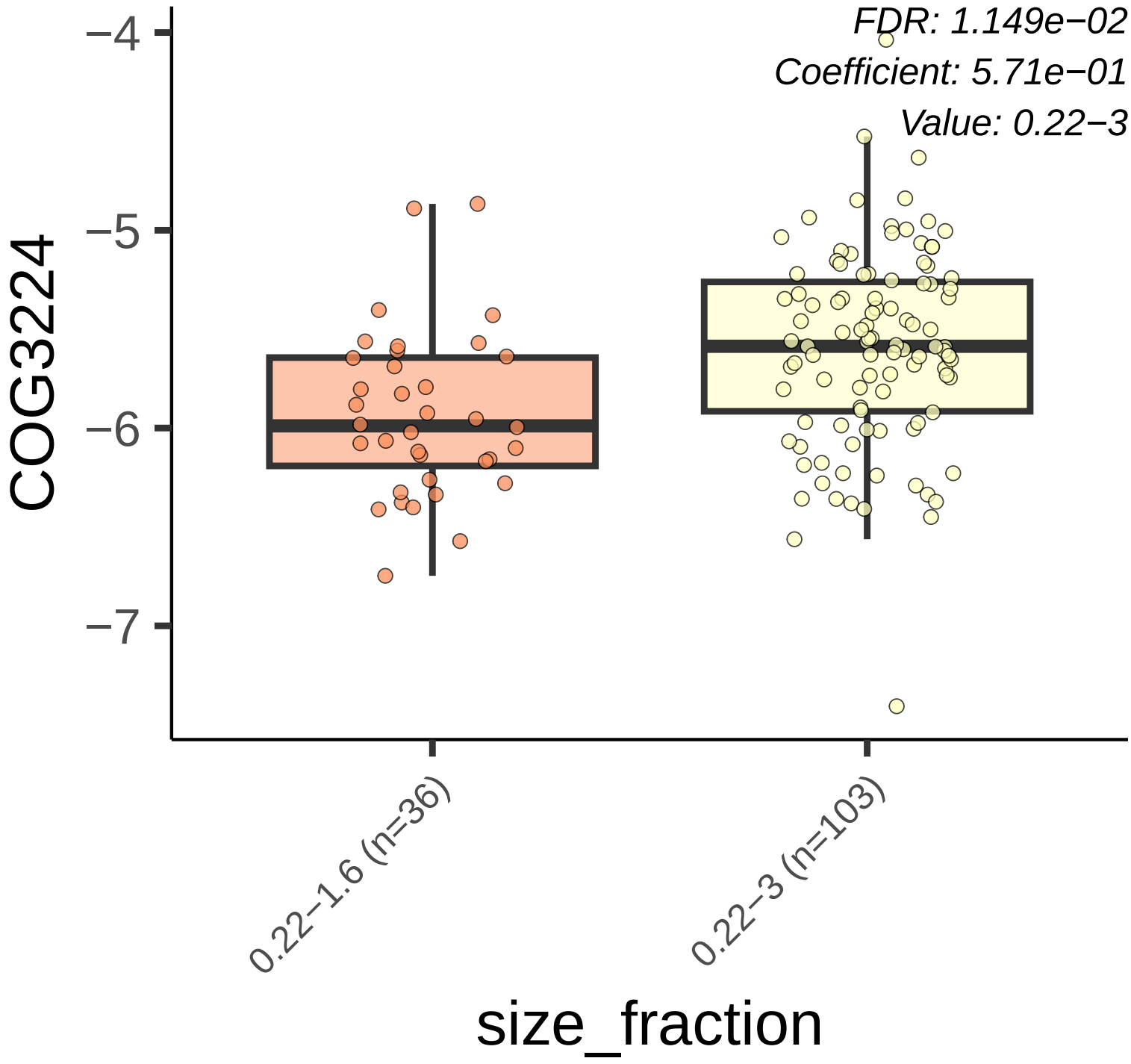
Coefficient: 5.94e−01
Value: 0.22−3
COG4577
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.124e−02
Coefficient: −5.02e−02
Value: 0.22−3
COG0345
−3.3
−3.4
−3.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.149e−02
Coefficient: 5.71e−01
Value: 0.22−3
COG3224
−4
−5
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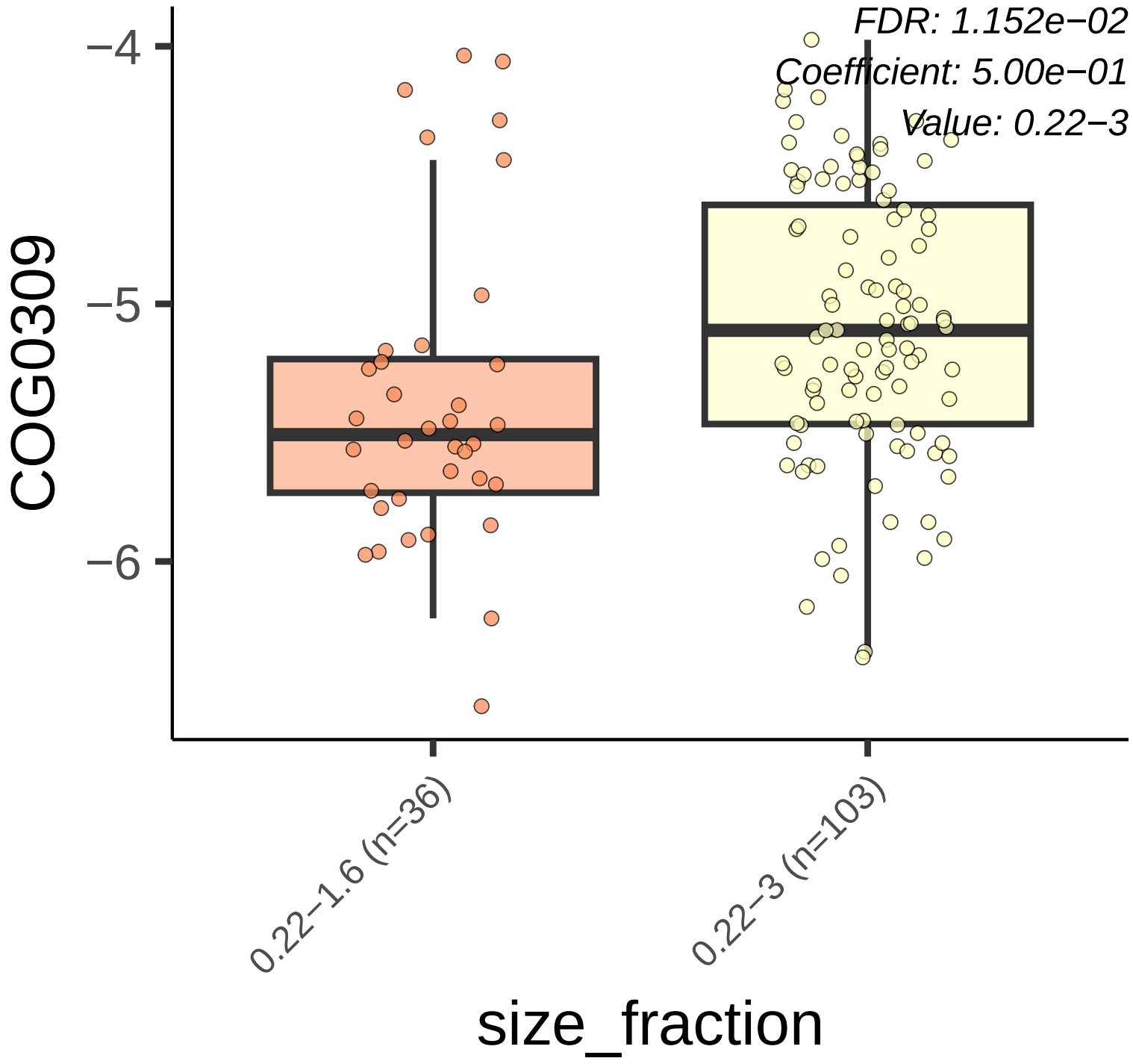
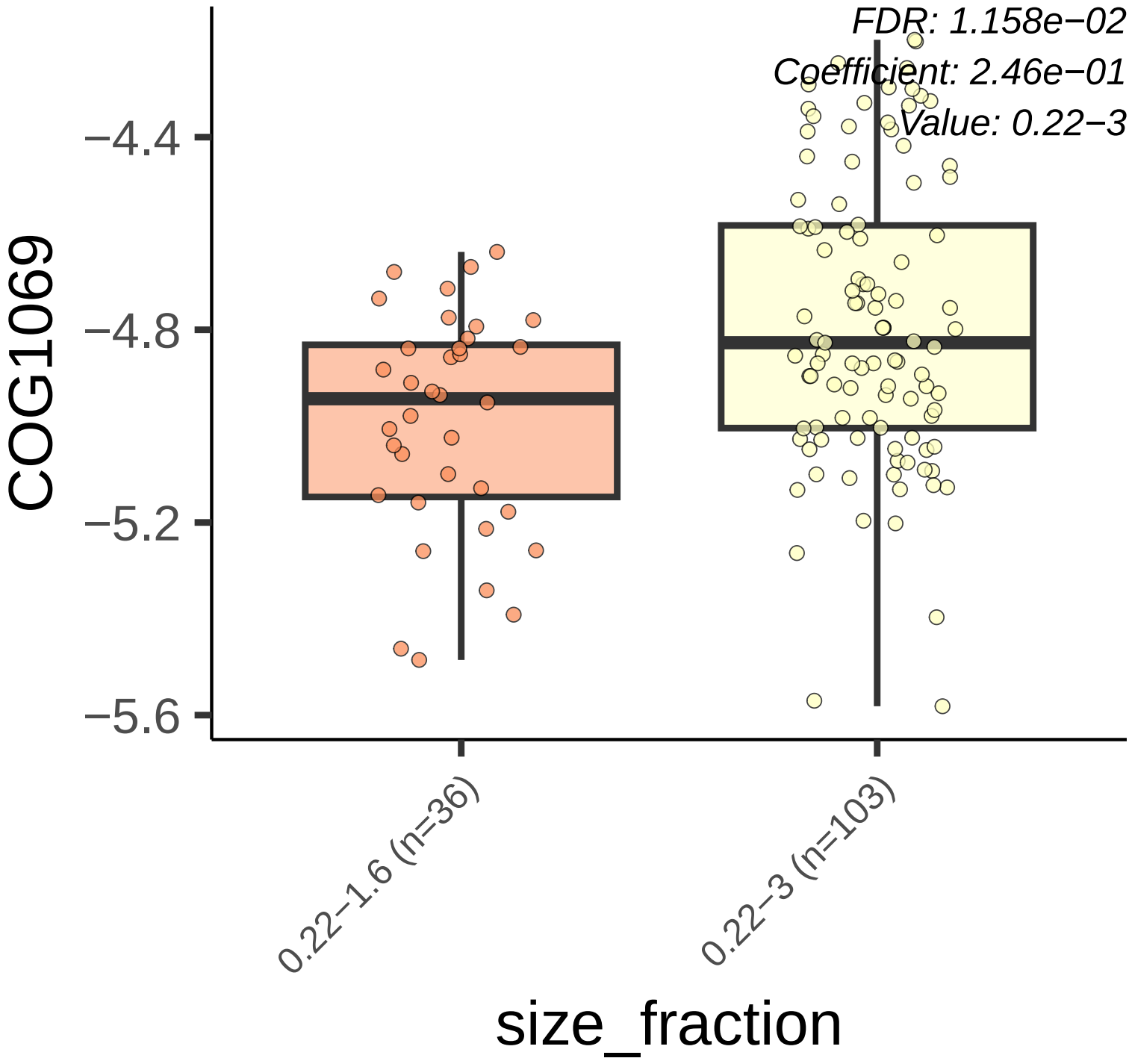
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.152e−02
Coefficient: 5.00e−01
Value: 0.22−3
COG0309
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.158e−02
Coefficient: 2.46e−01
Value: 0.22−3
COG1069
−4.4
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−5.2
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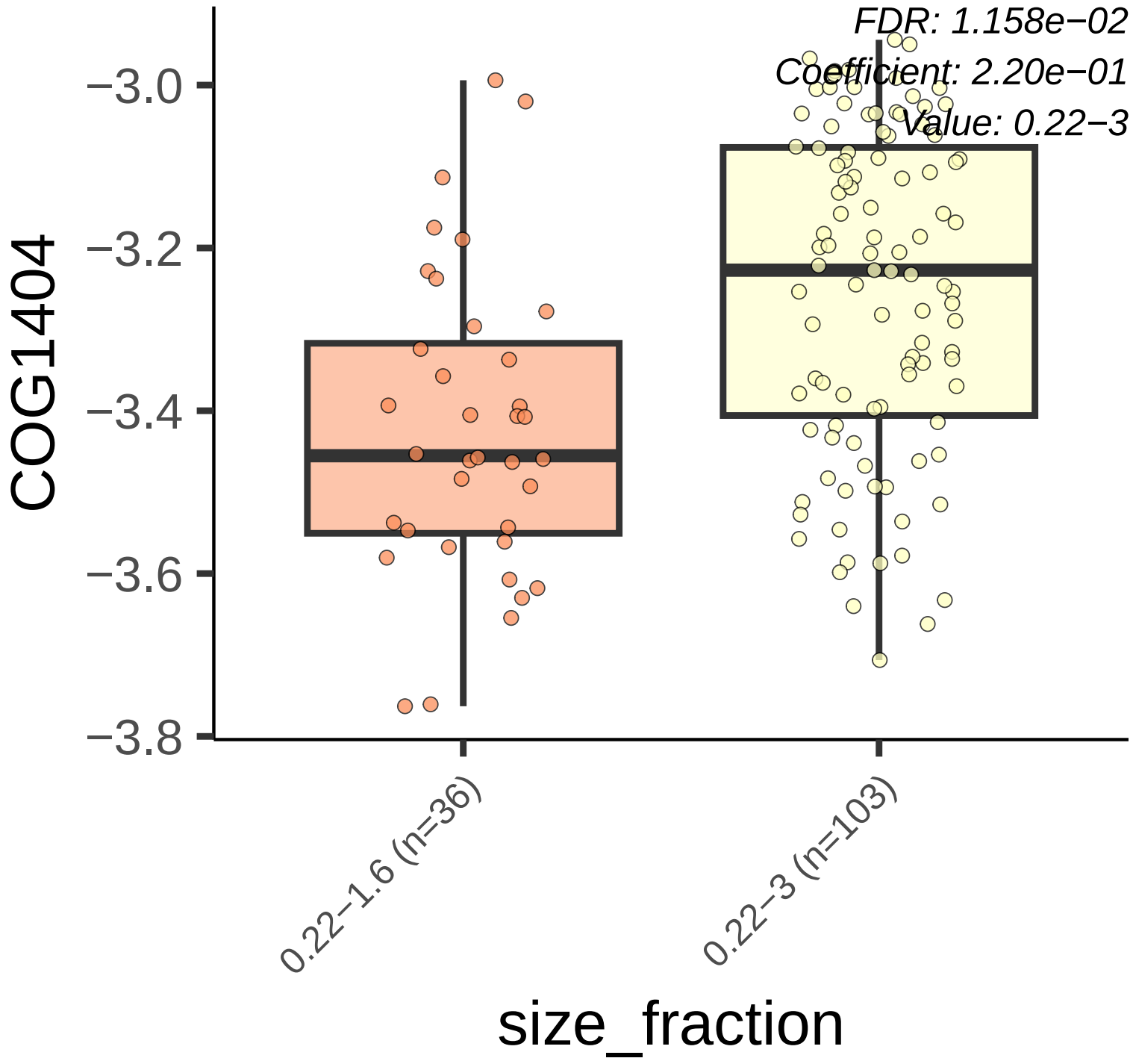
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.158e−02
Coefficient: 2.20e−01
Value: 0.22−3
COG1404
−3.0
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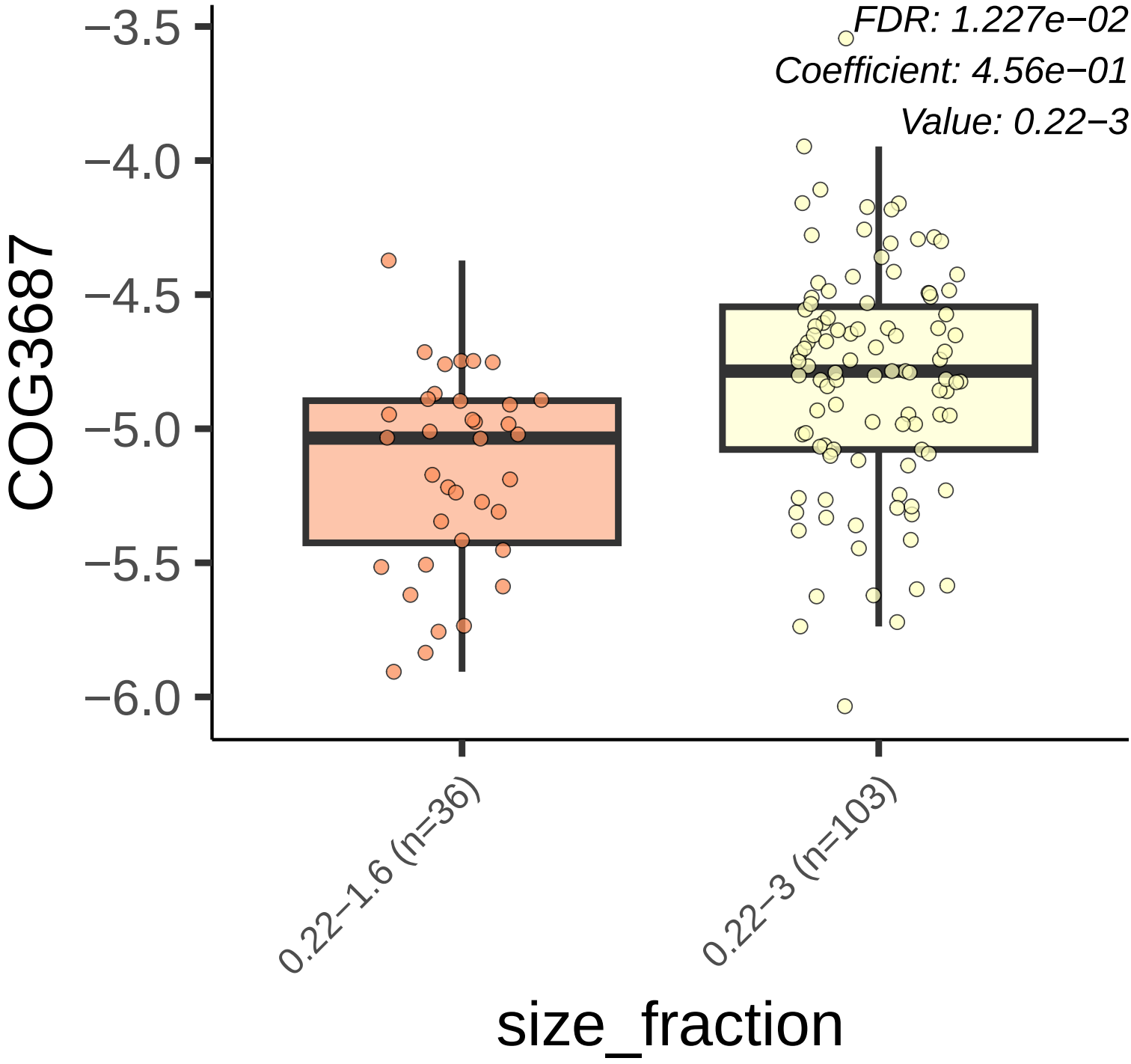
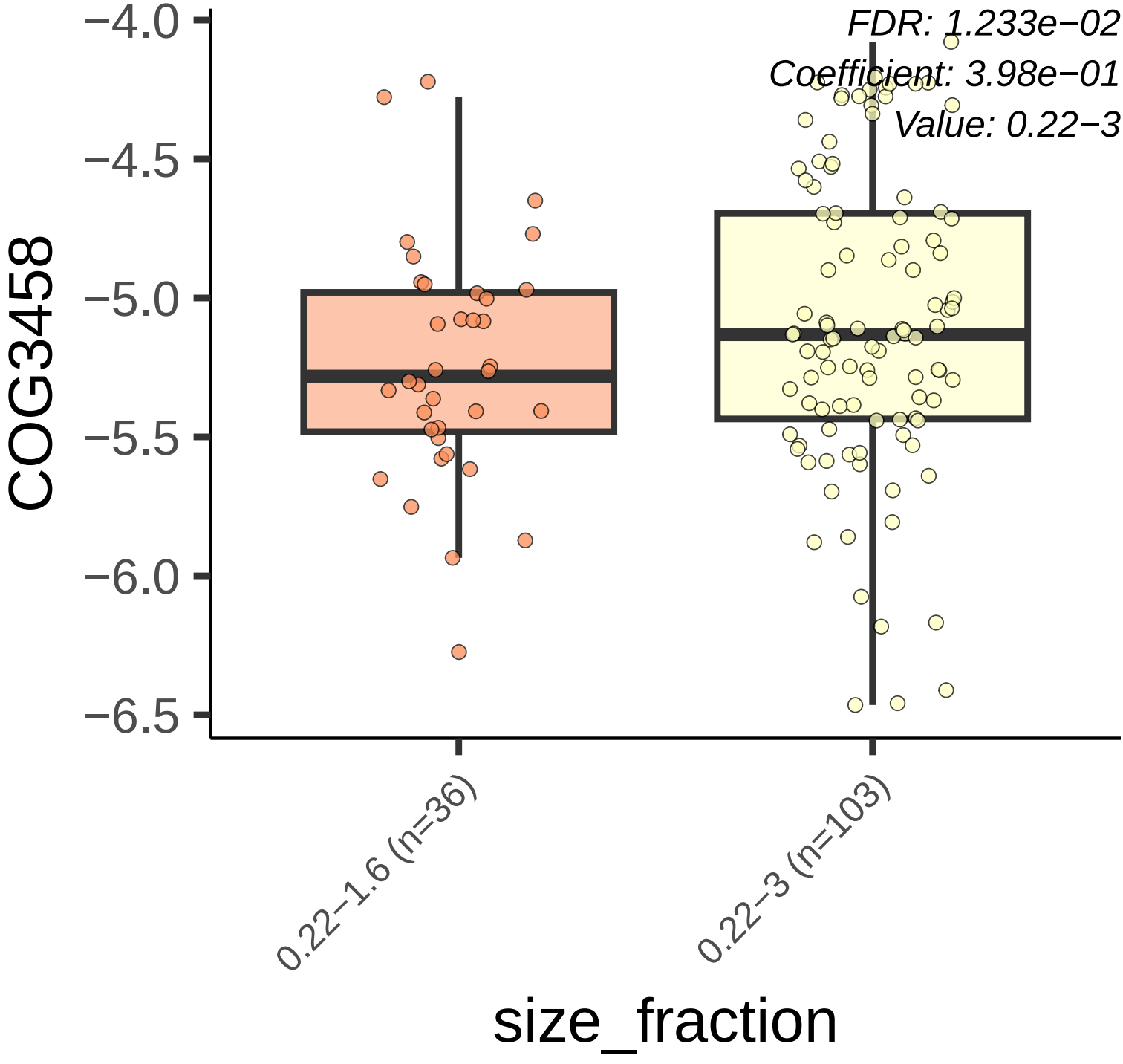
−3.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.227e−02
Coefficient: 4.56e−01
Value: 0.22−3
COG3687
−3.5
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.233e−02
Coefficient: 3.98e−01
Value: 0.22−3
COG3458
−4.0
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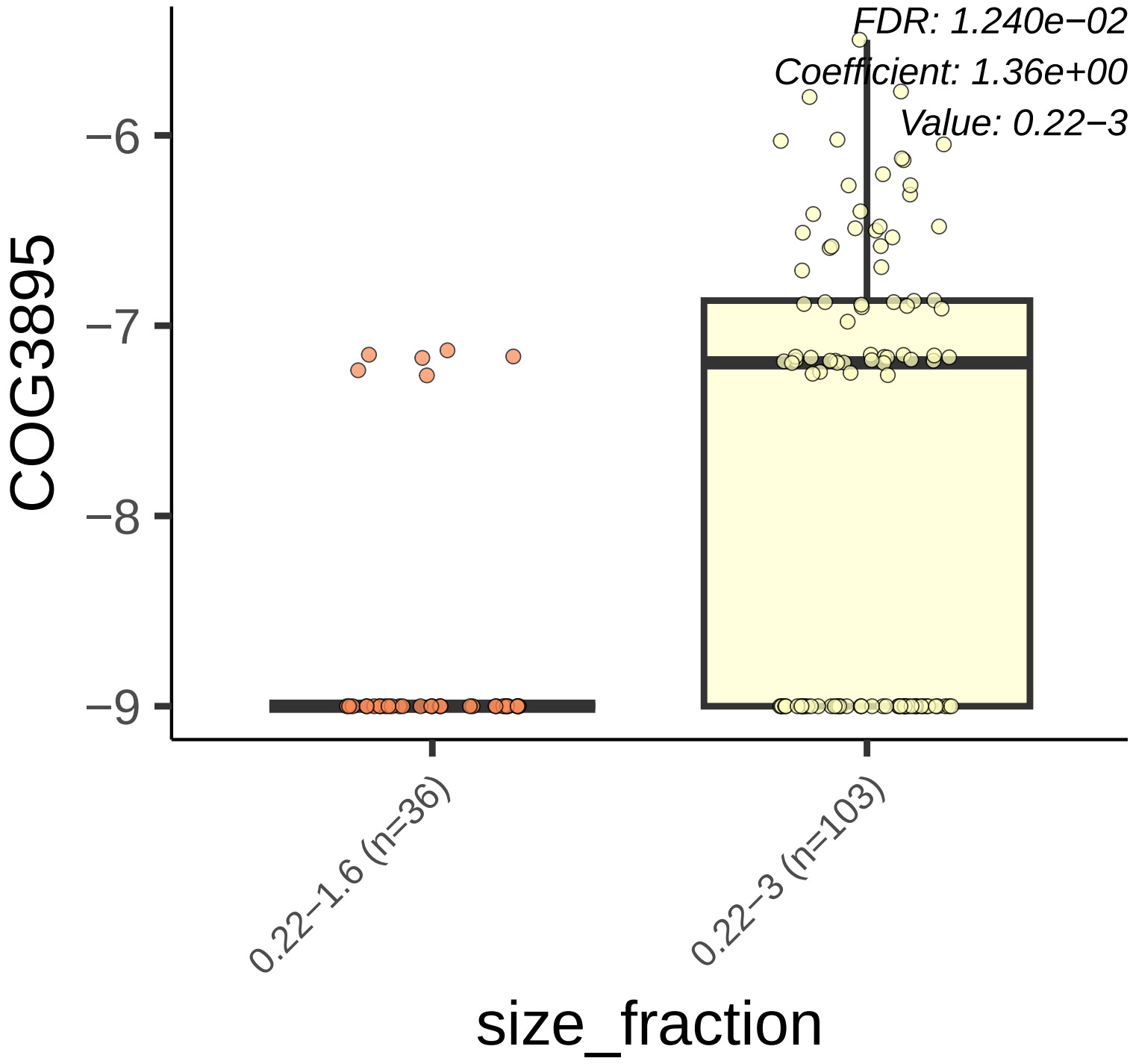
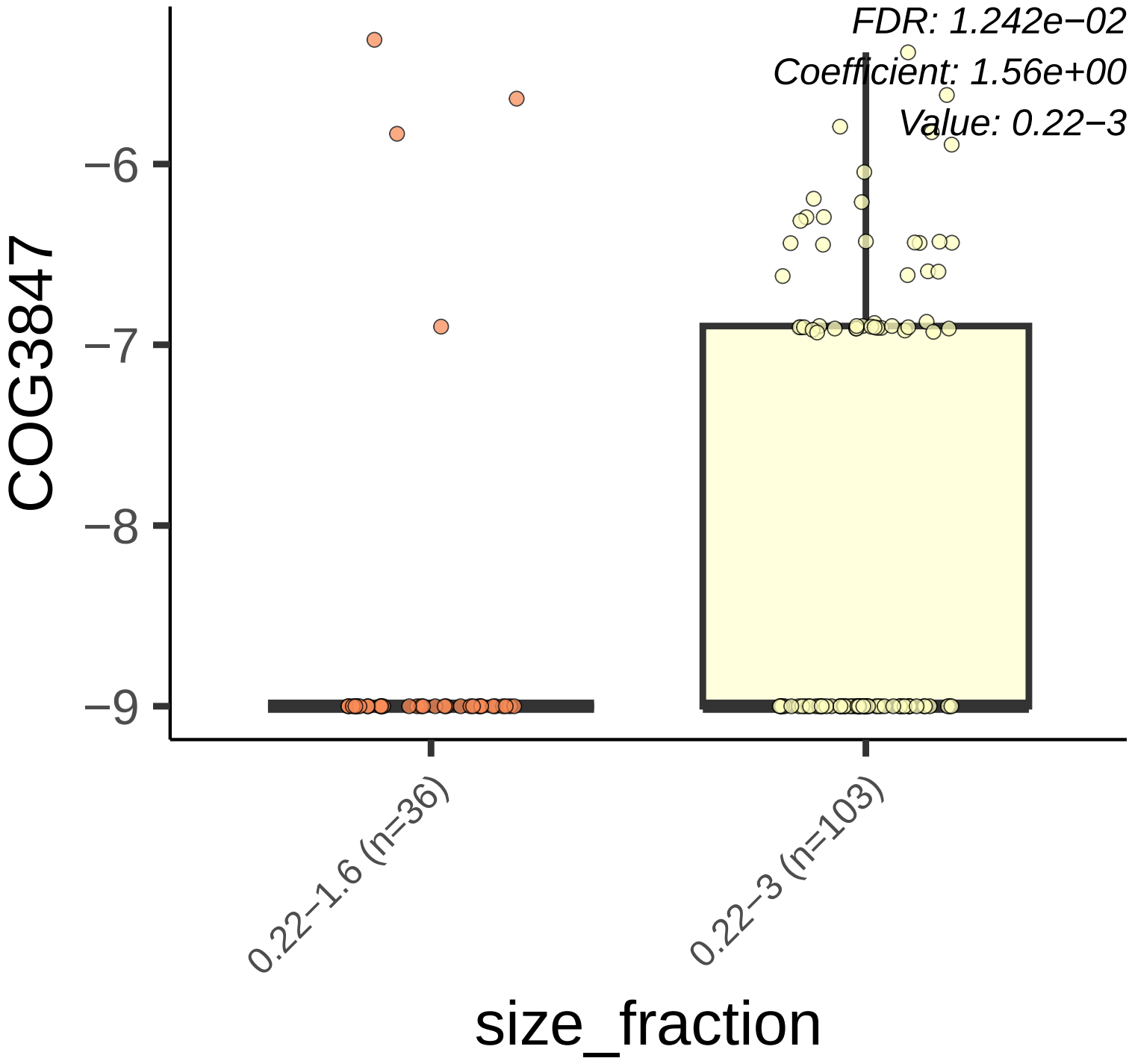
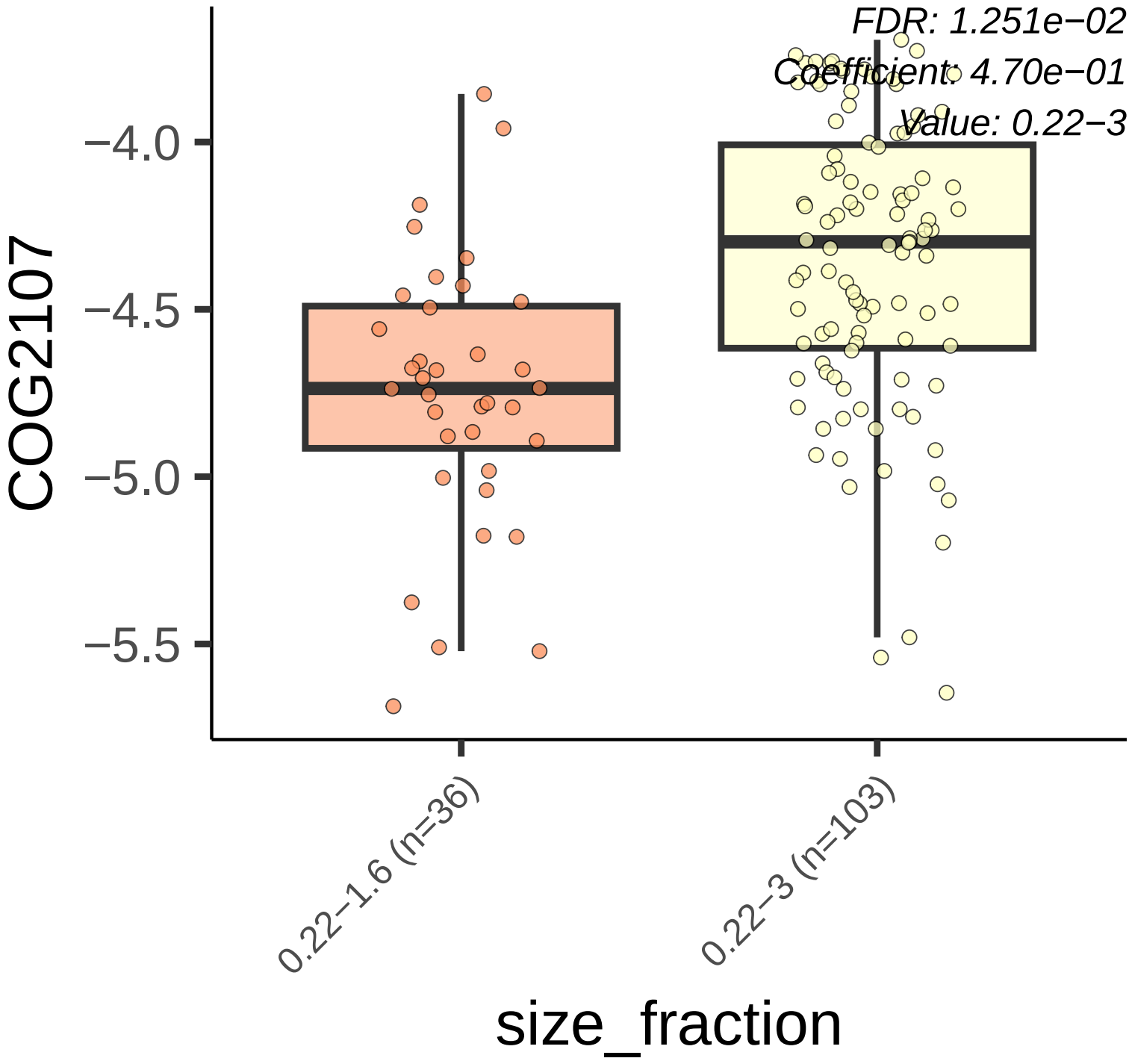
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.240e−02
Coefficient: 1.36e+00
Value: 0.22−3
COG3895
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.242e−02
Coefficient: 1.56e+00
Value: 0.22−3
COG3847
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.251e−02
Coefficient: 4.70e−01
Value: 0.22−3
COG2107
−4.0
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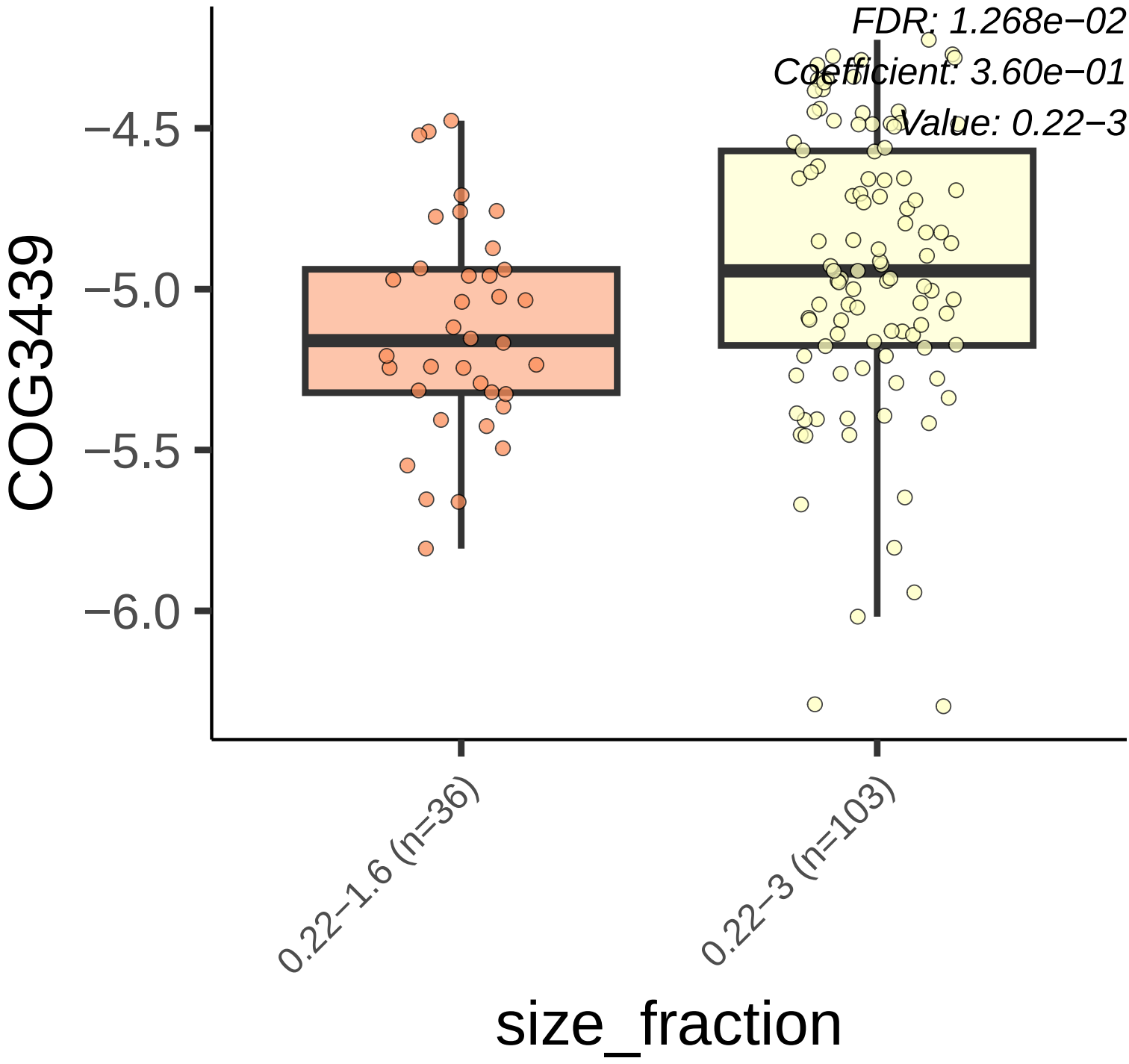
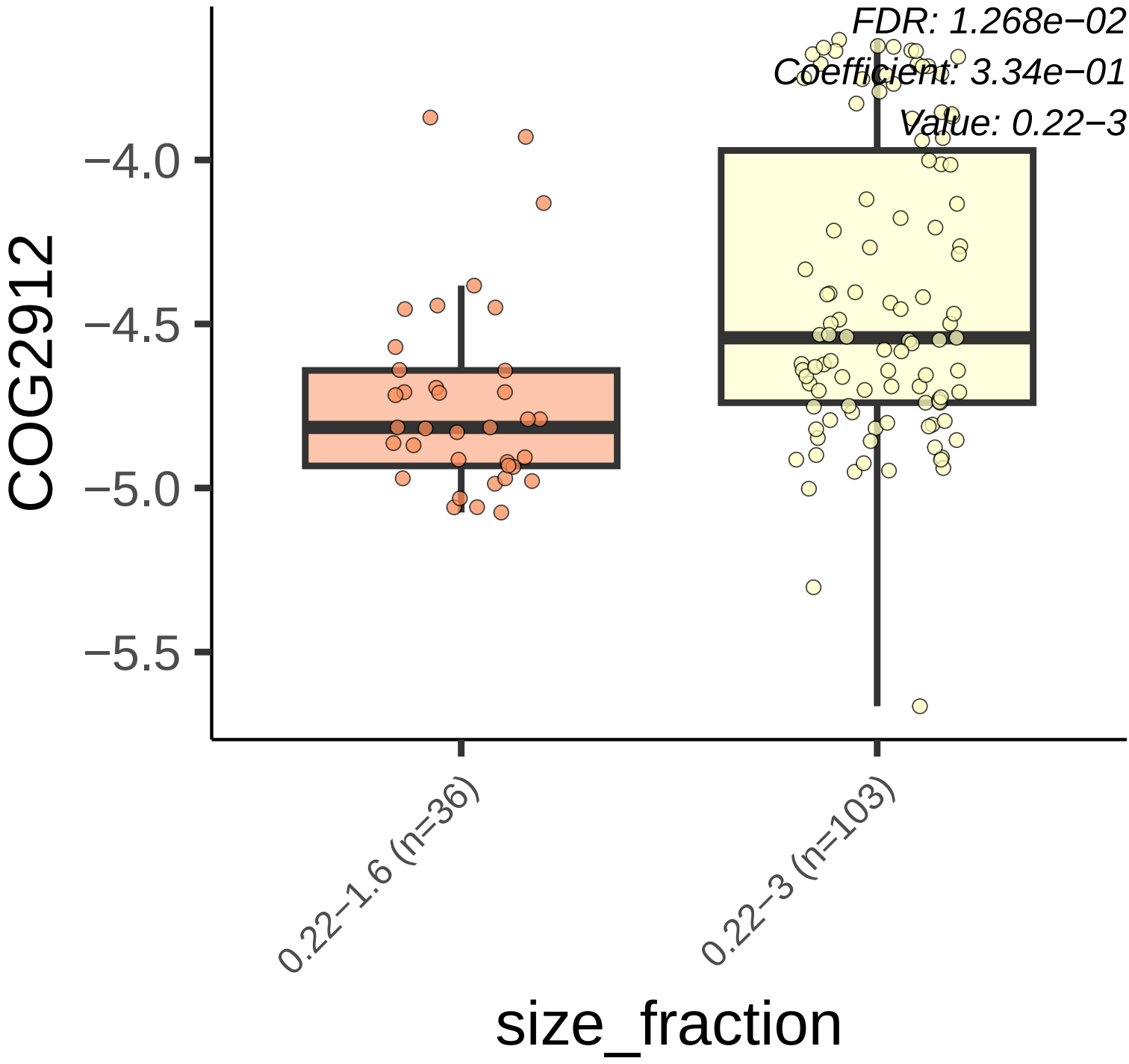
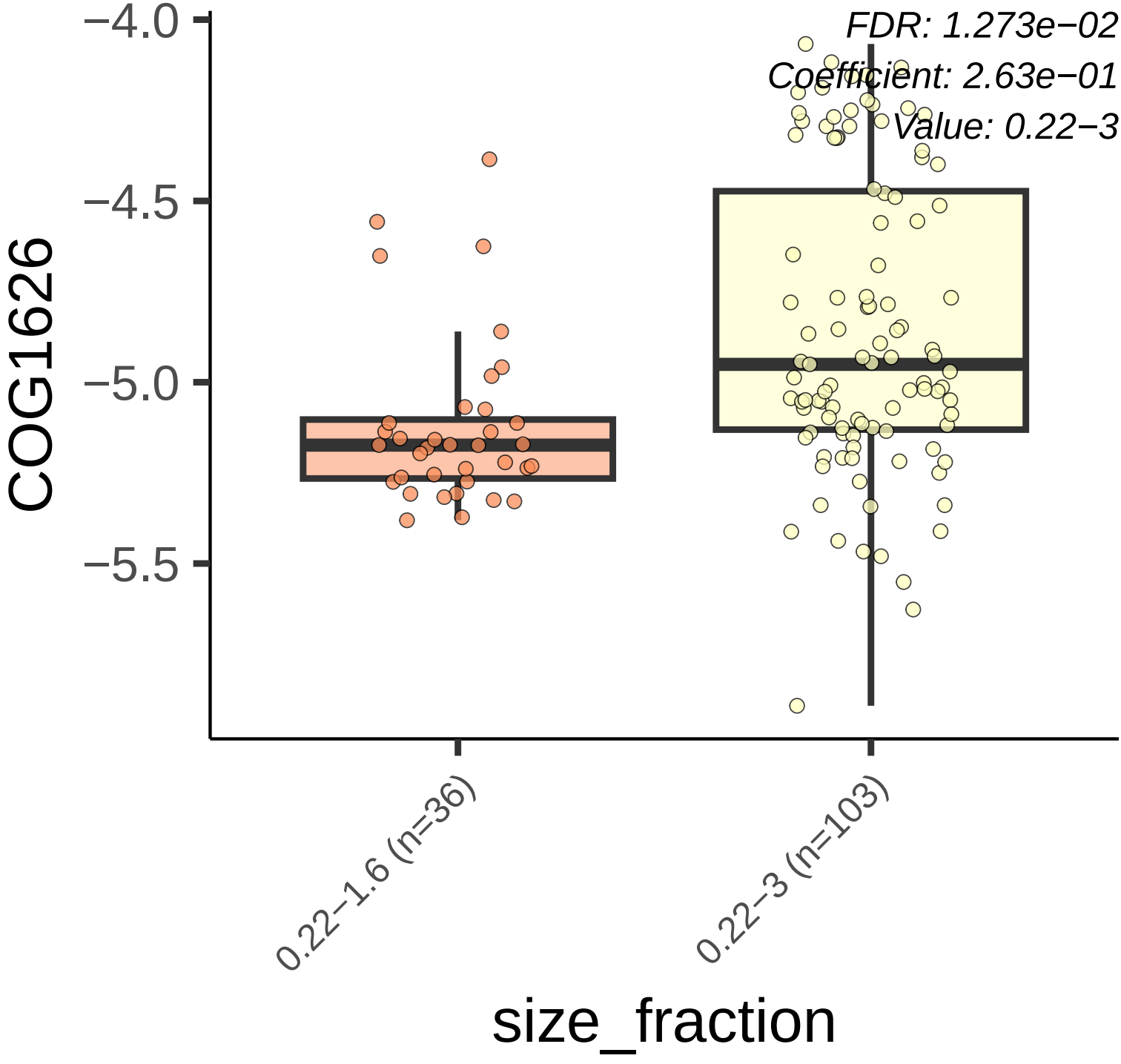
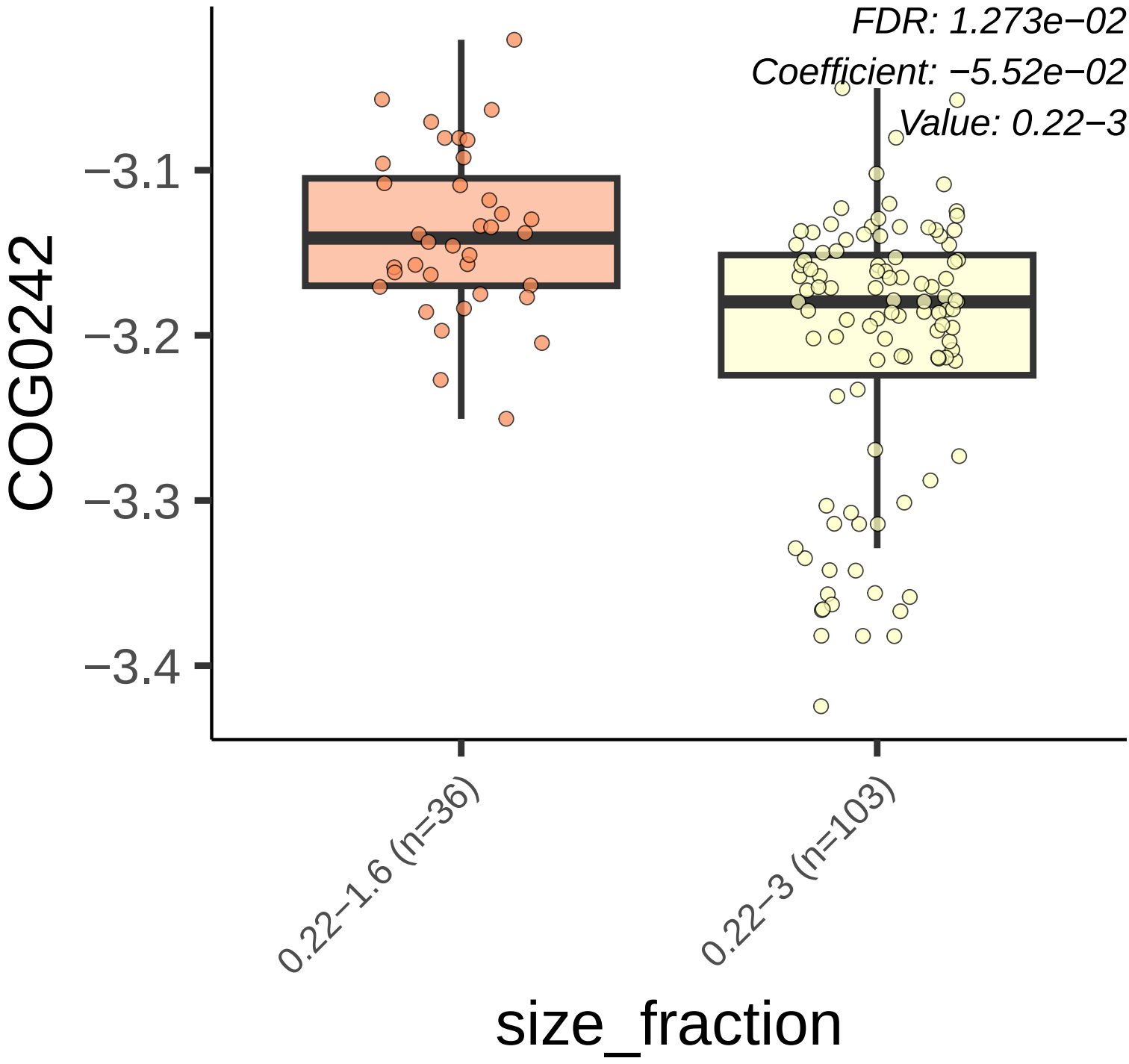
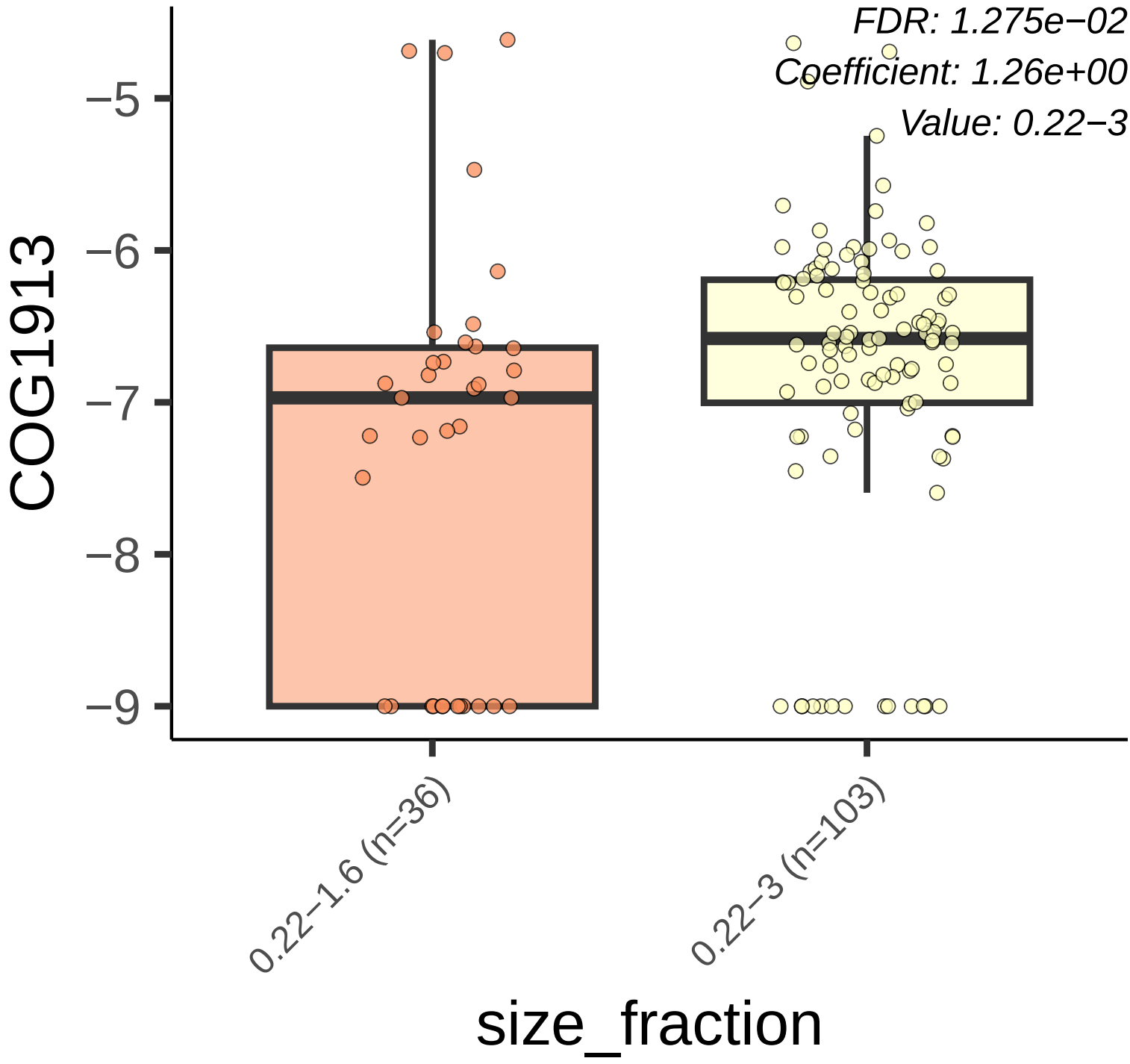
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

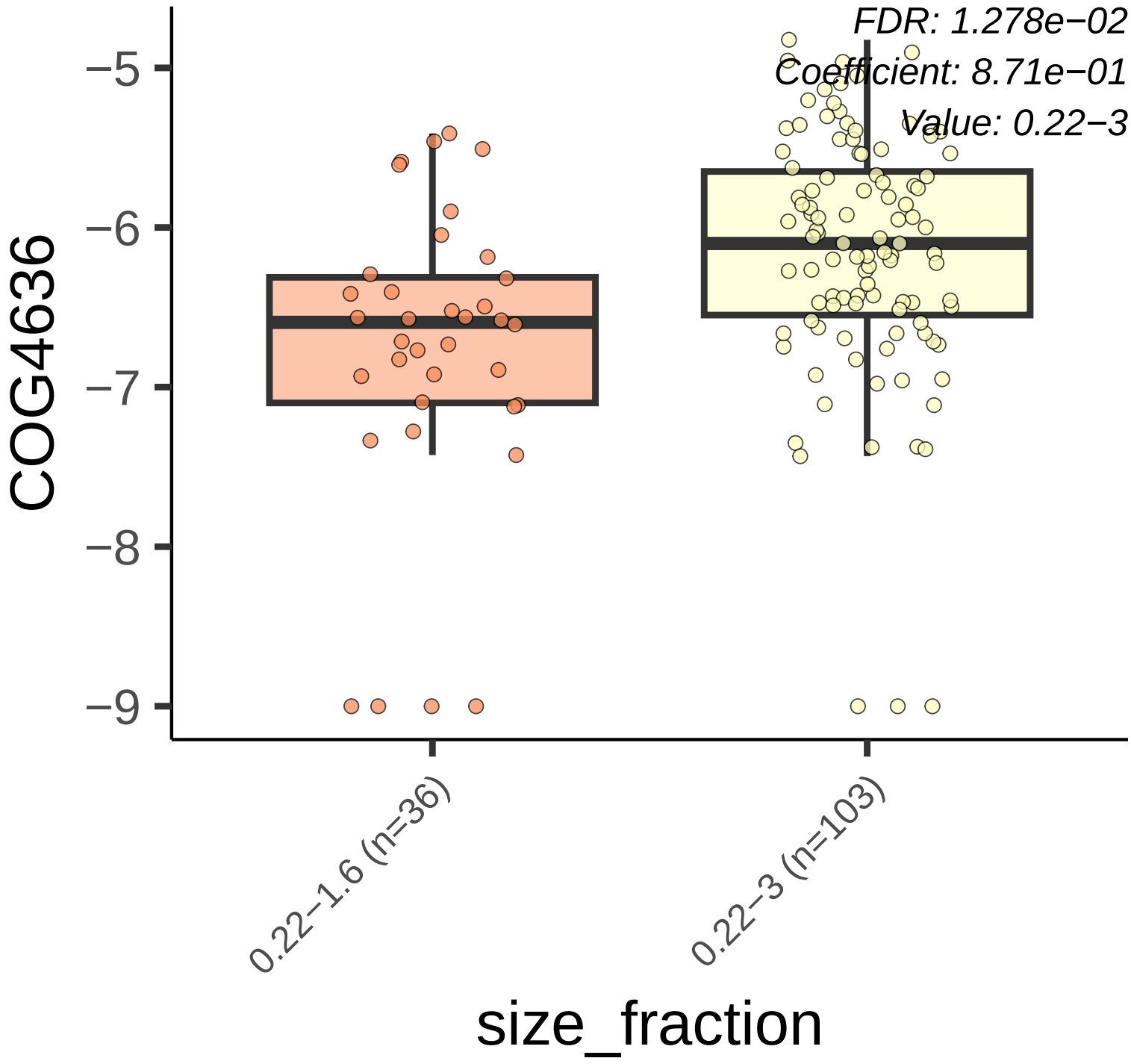

FDR: 1.268e−02
Coefficient: 3.60e−01
Value: 0.22−3
COG3439
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

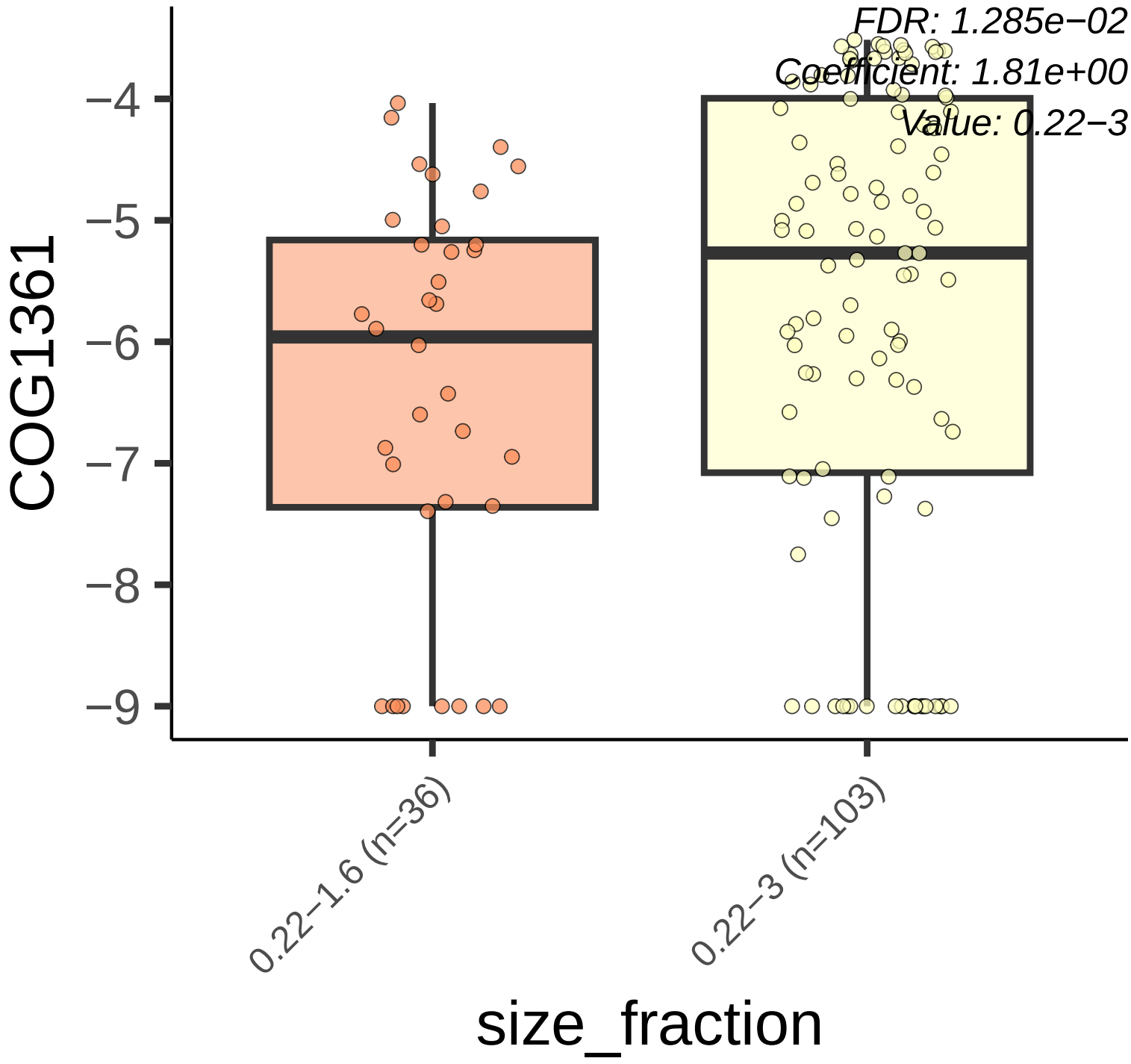

FDR: 1.268e−02
Coefficient: 3.34e−01
Value: 0.22−3
COG2912
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

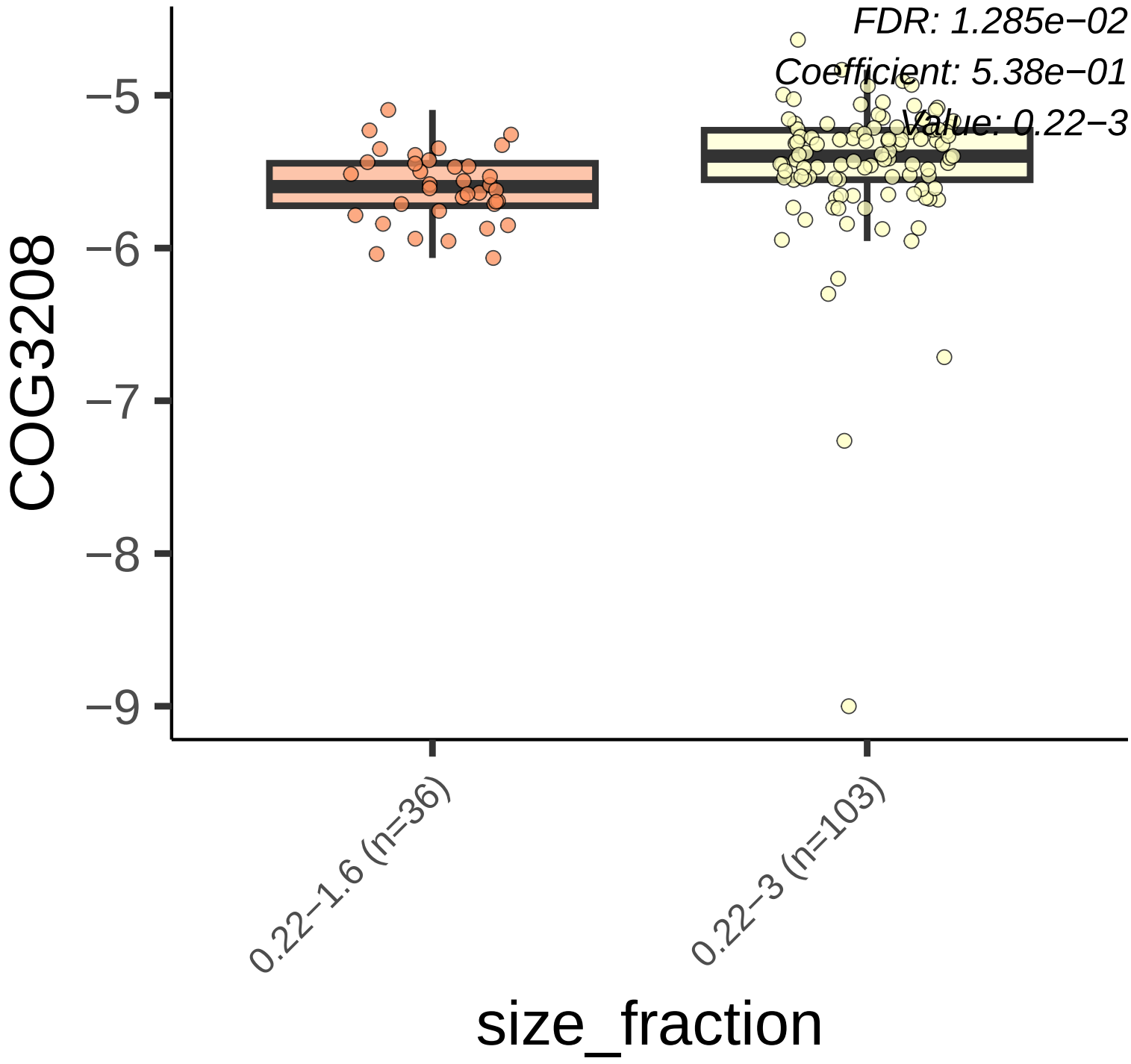

FDR: 1.273e−02
Coefficient: 2.63e−01
Value: 0.22−3
−4.0
−4.5
−5.0
−5.5
COG1626
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

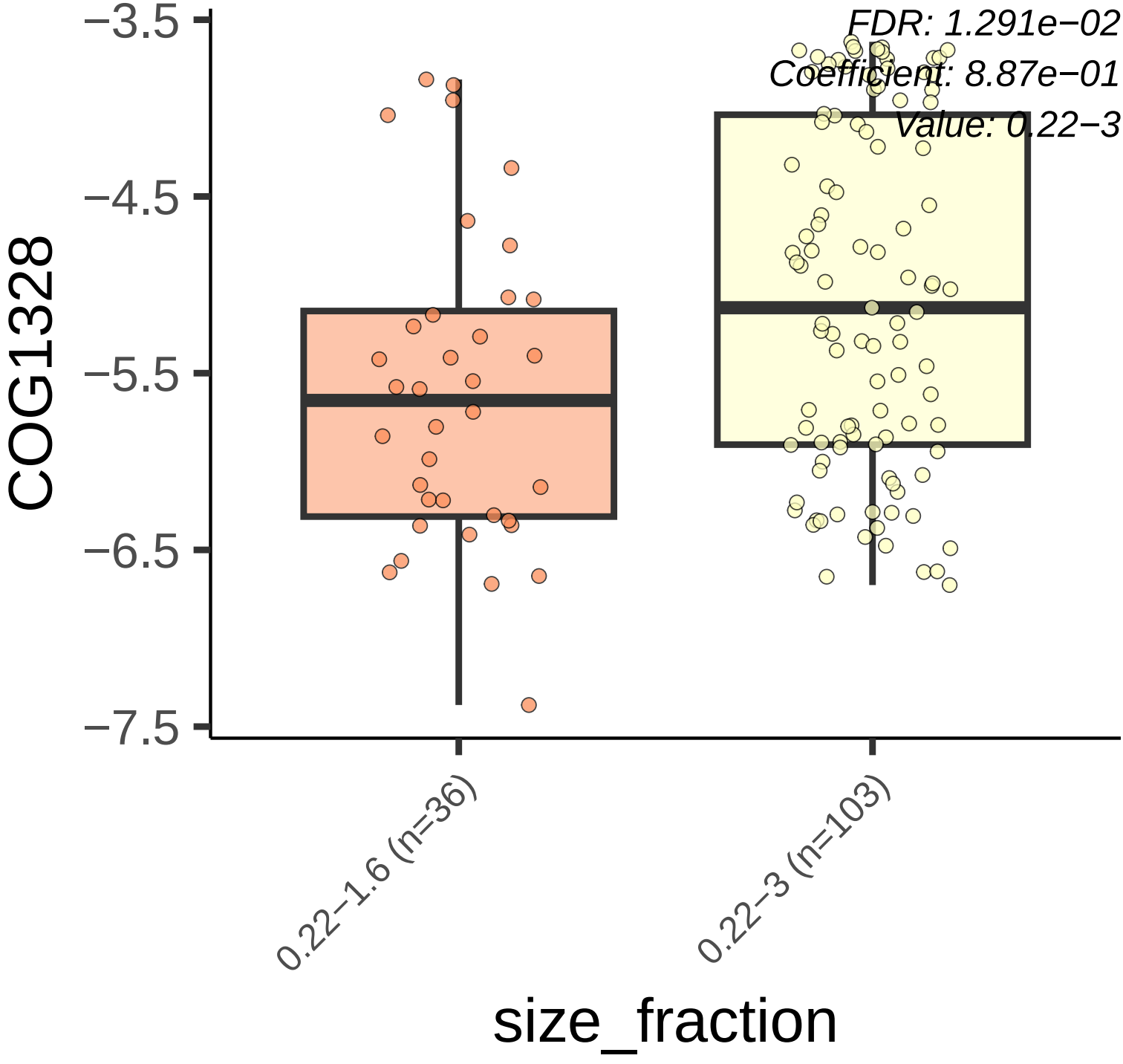

FDR: 1.273e−02
Coefficient: −5.52e−02
Value: 0.22−3
COG0242
−3.1
−3.2
−3.3
−3.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

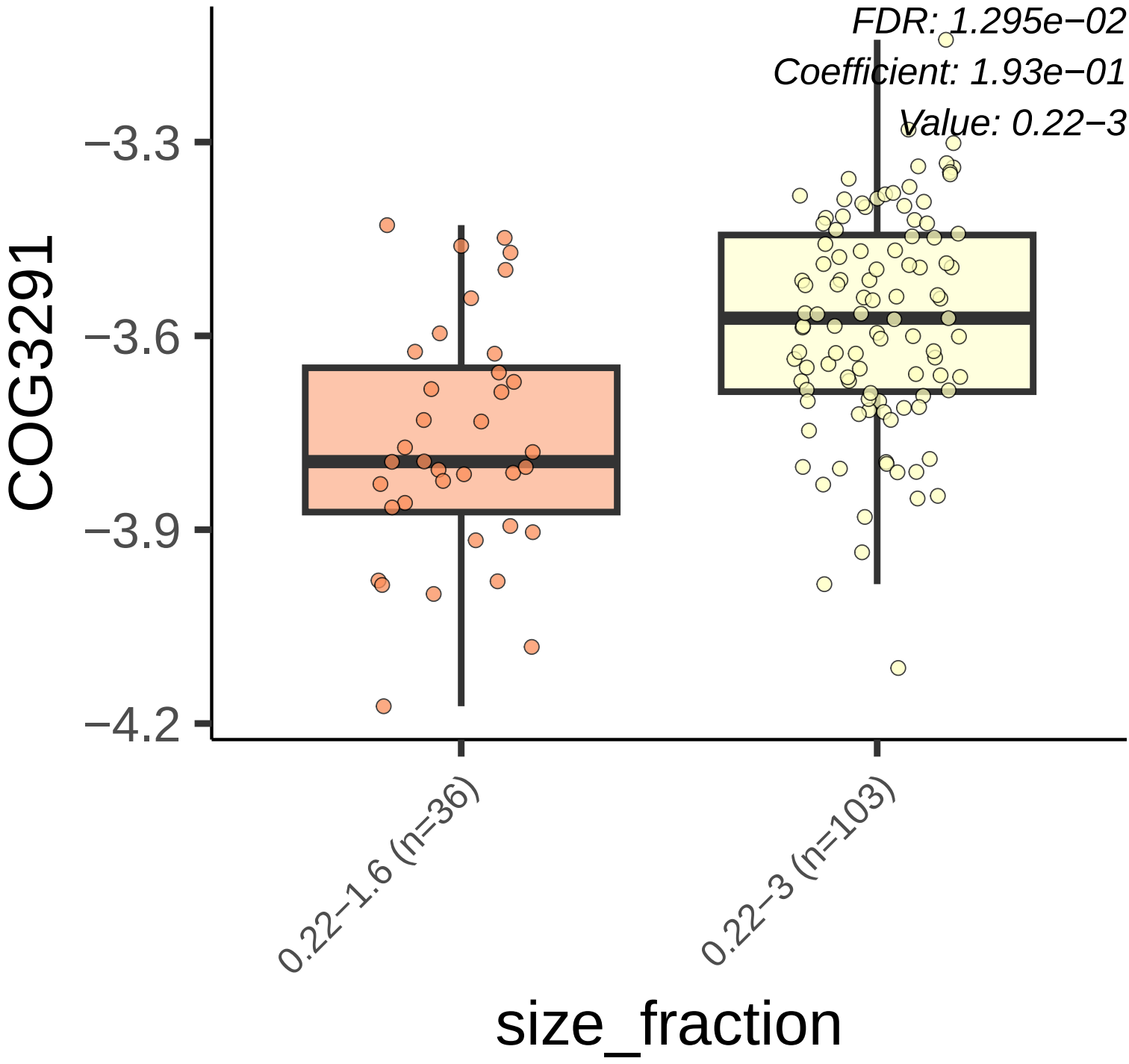

FDR: 1.275e−02
Coefficient: 1.26e+00
Value: 0.22−3
COG1913
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

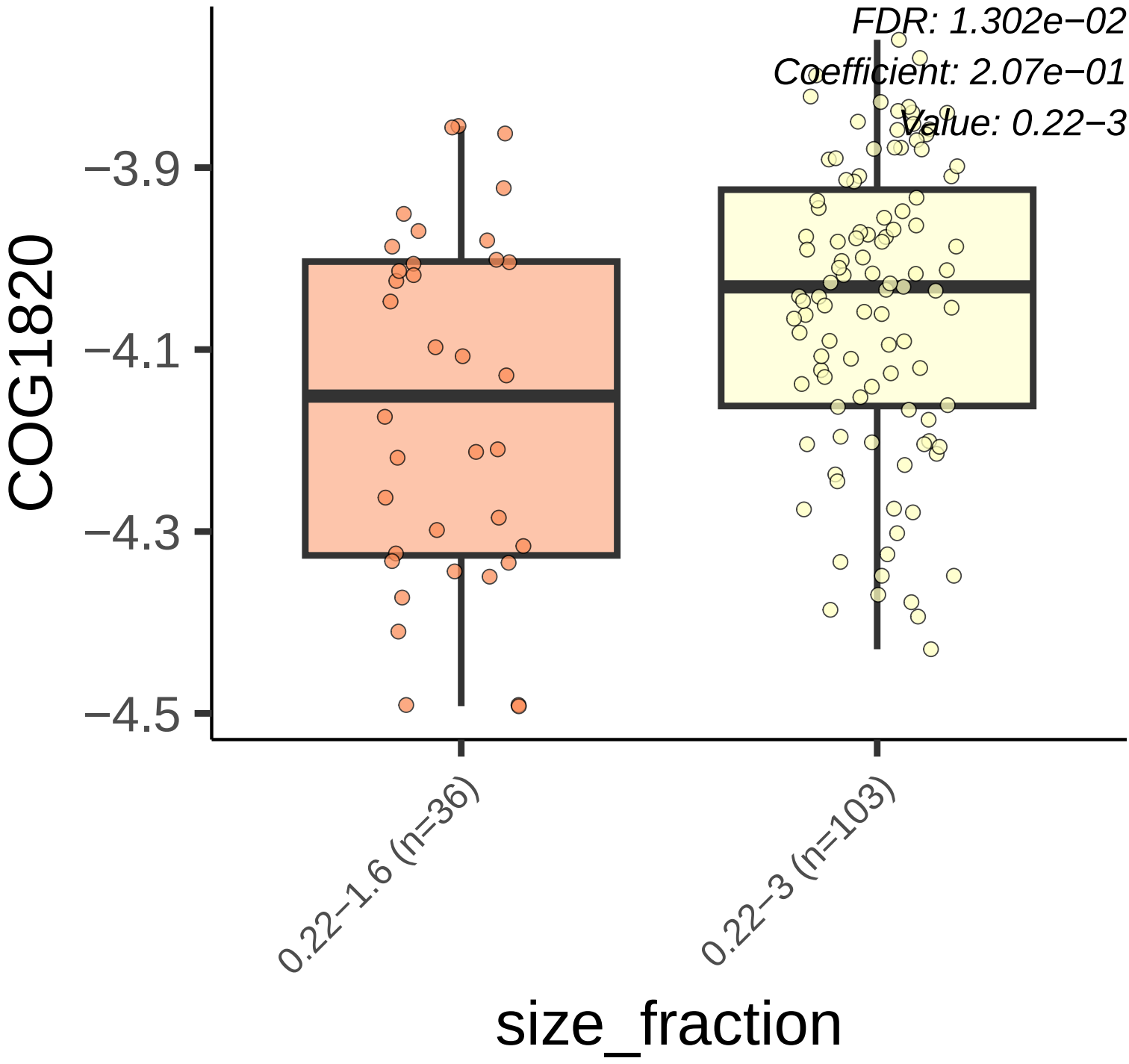

FDR: 1.278e−02
Coefficient: 8.71e−01
Value: 0.22−3
COG4636
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

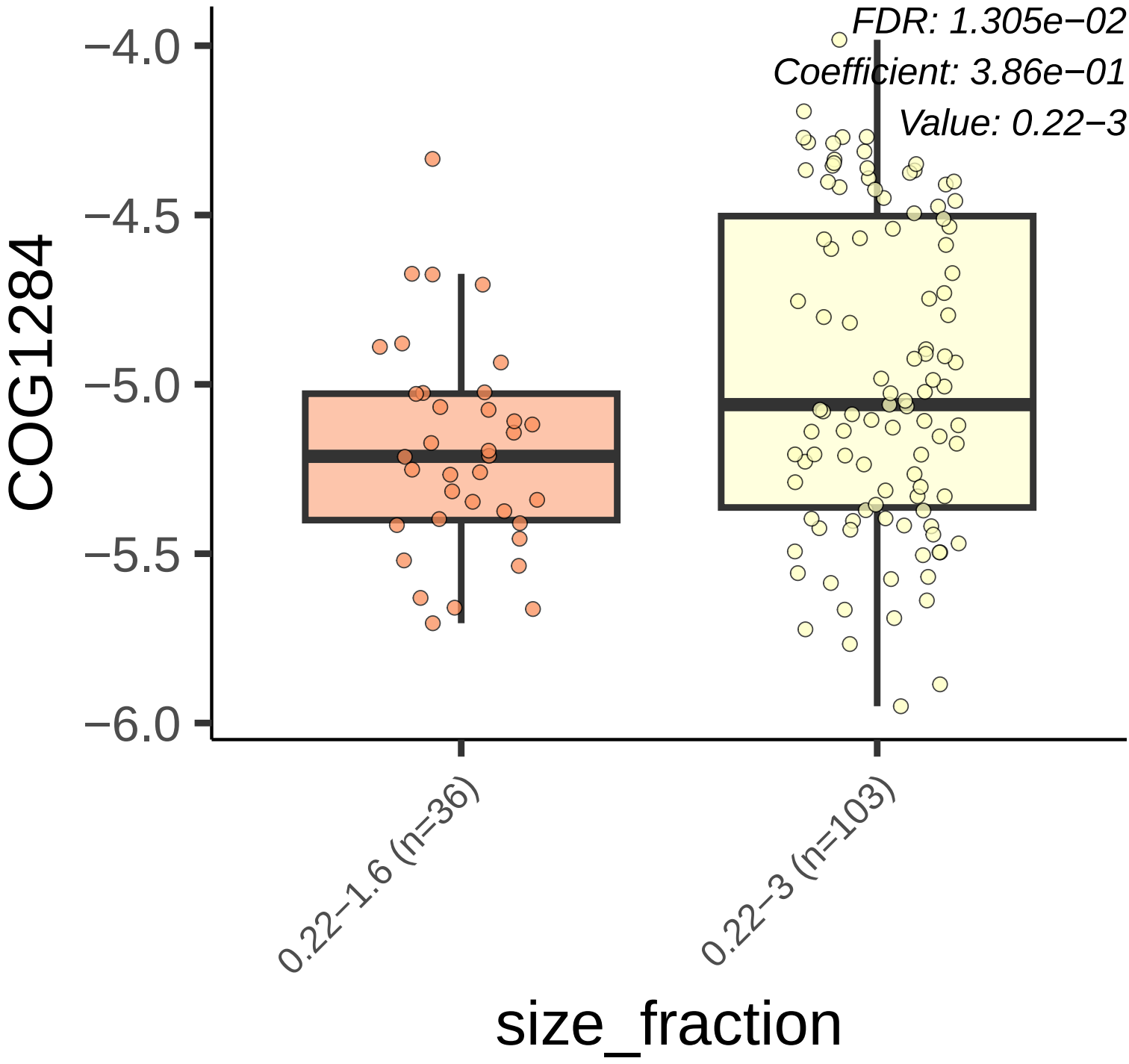

FDR: 1.285e−02
Coefficient: 1.81e+00
Value: 0.22−3
COG1361
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

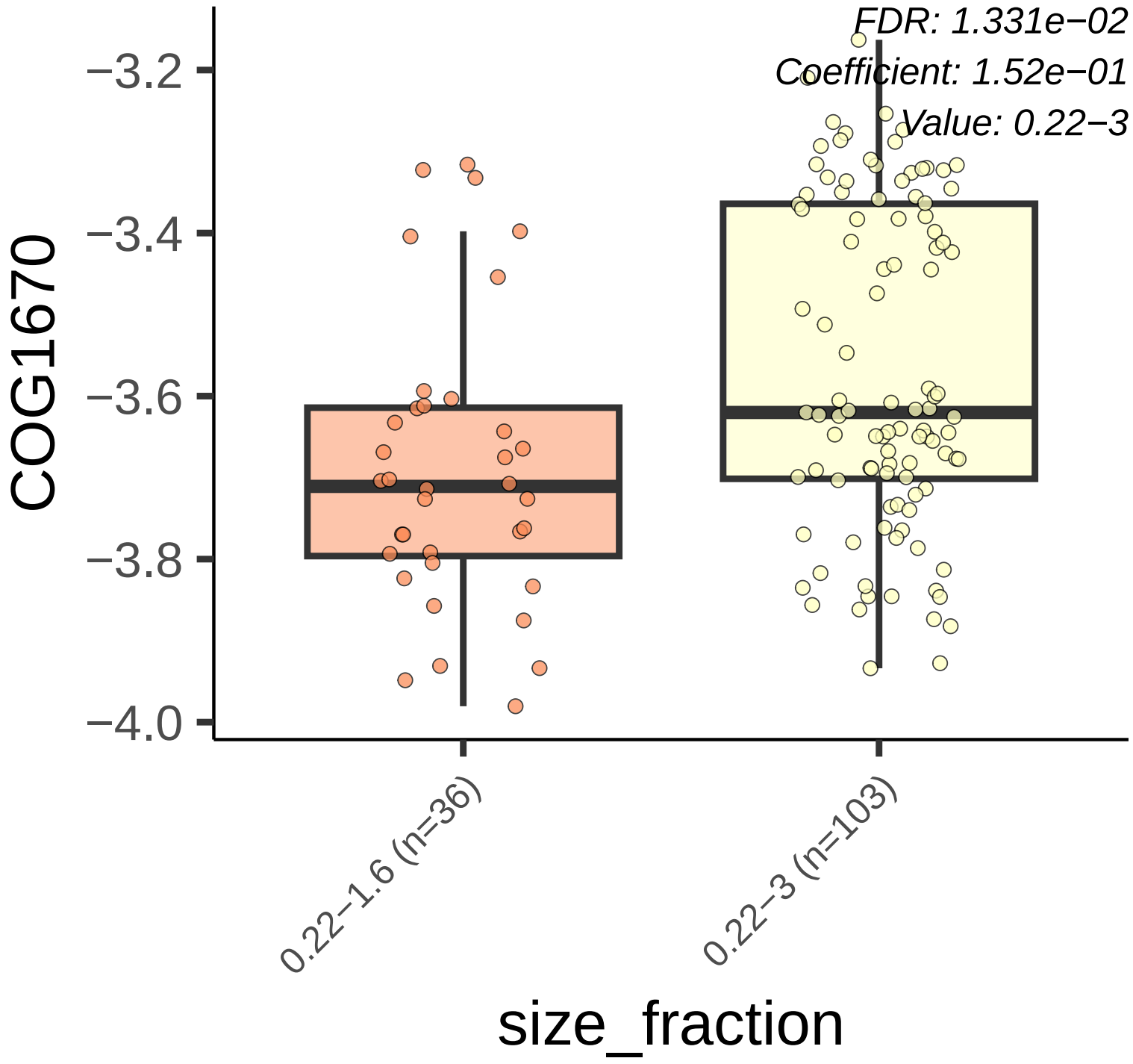

FDR: 1.285e−02
Coefficient: 5.38e−01
Value: 0.22−3
COG3208
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

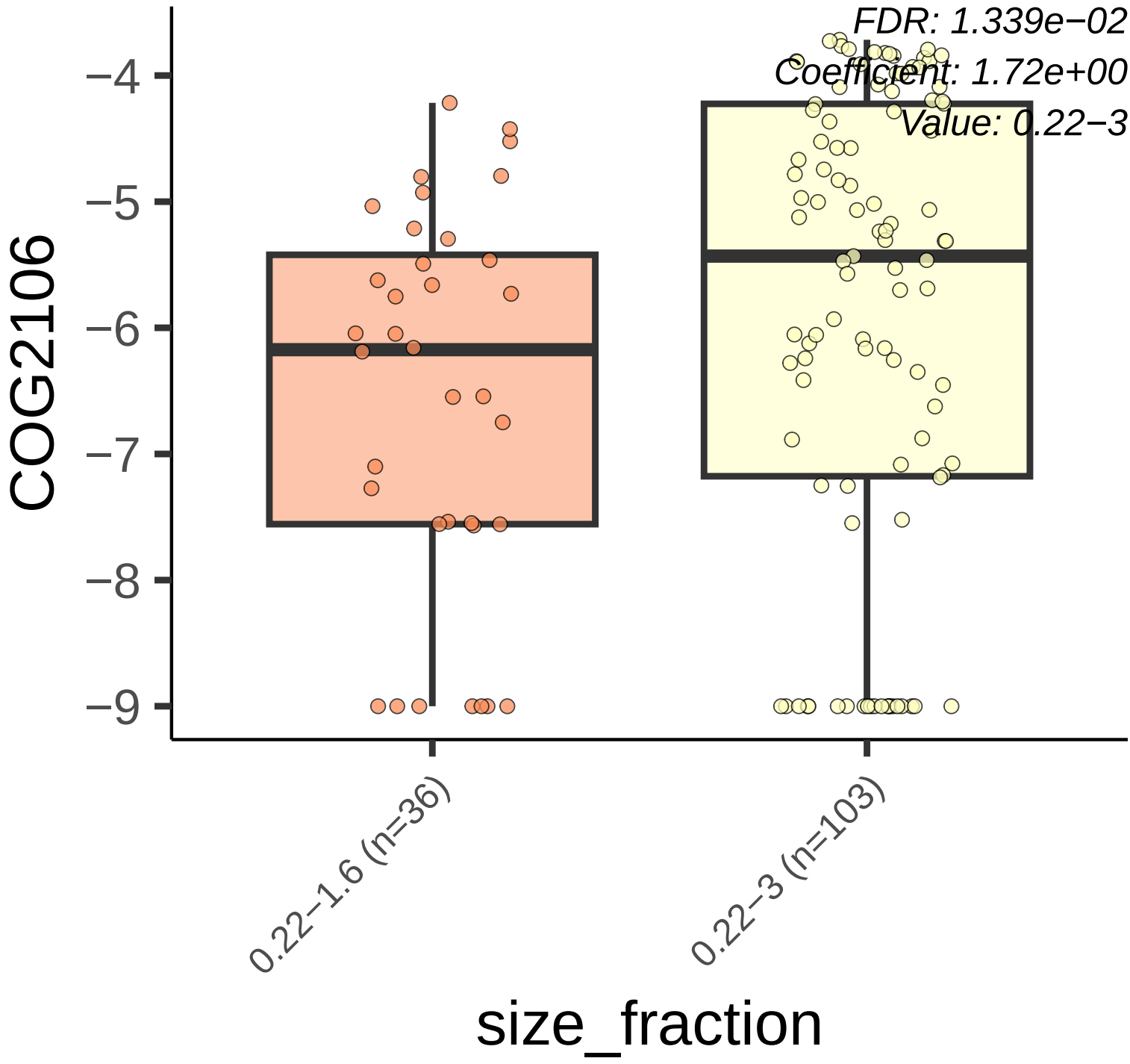

FDR: 1.291e−02
Coefficient: 8.87e−01
Value: 0.22−3
−3.5
−4.5
−5.5
−6.5
−7.5
COG1328
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

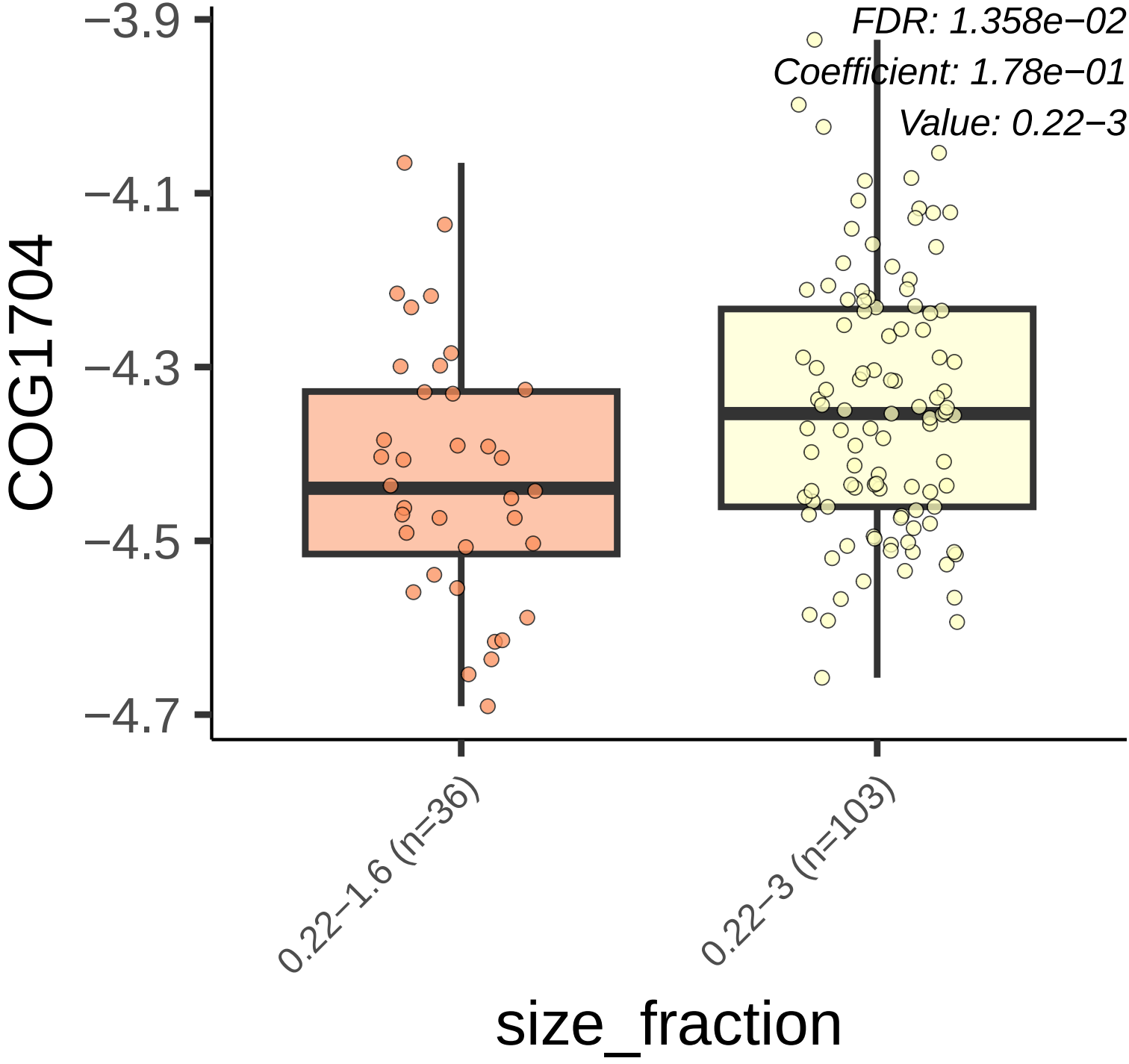

FDR: 1.295e−02
Coefficient: 1.93e−01
Value: 0.22−3
COG3291
−3.3
−3.6
−3.9
−4.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

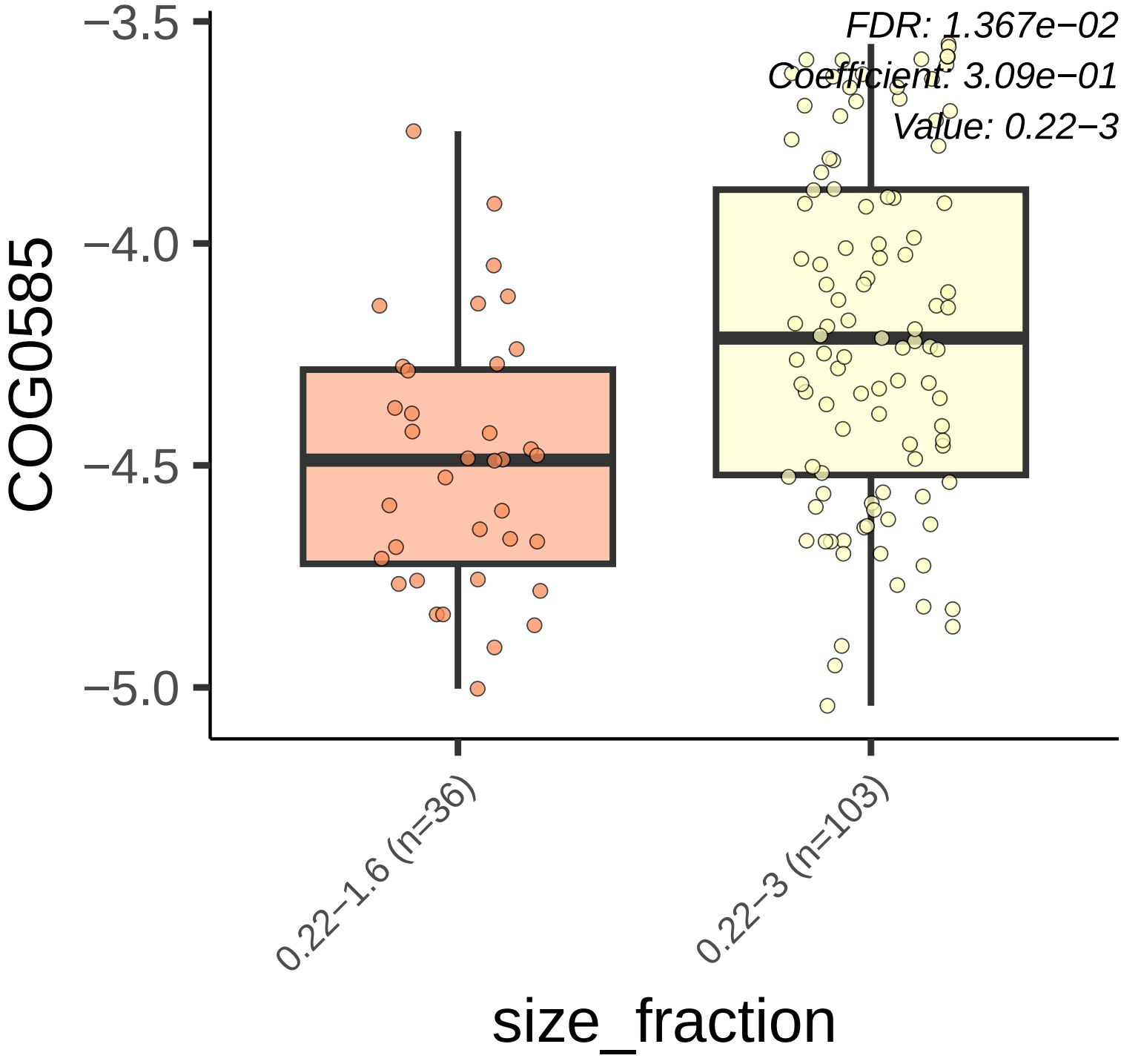

FDR: 1.302e−02
Coefficient: 2.07e−01
Value: 0.22−3
COG1820
−3.9
−4.1
−4.3
−4.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

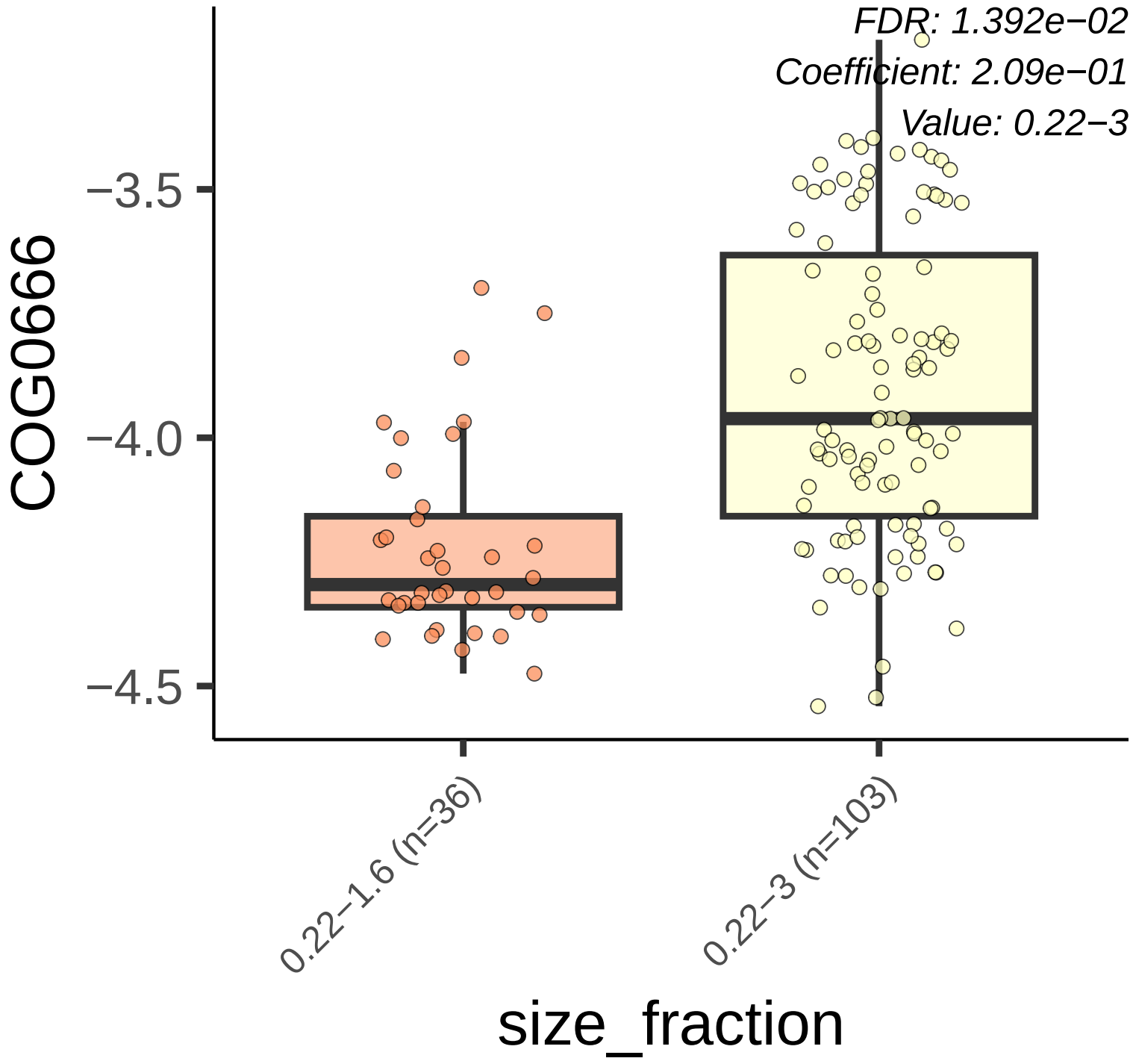

FDR: 1.305e−02
Coefficient: 3.86e−01
Value: 0.22−3
COG1284
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

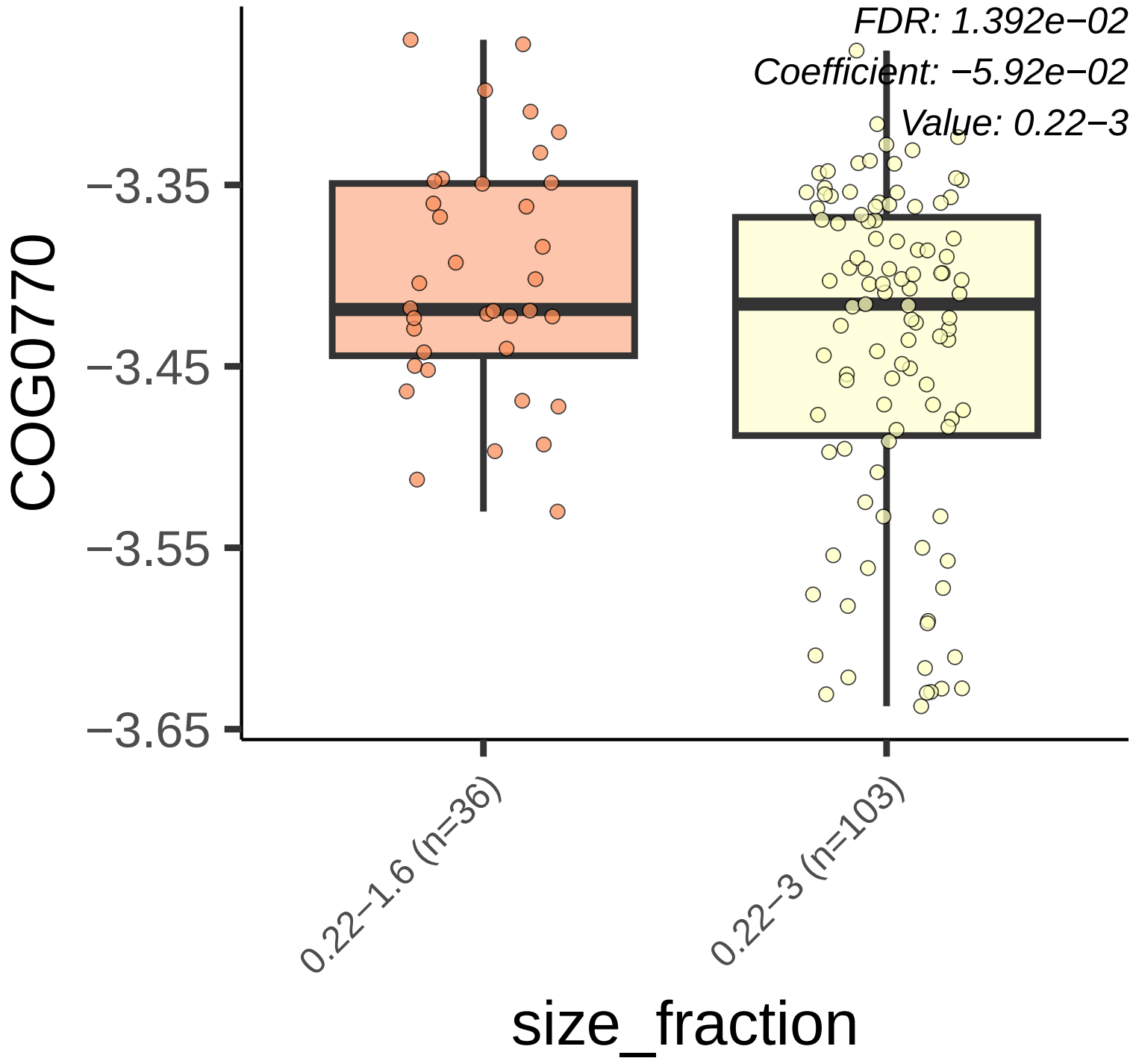

FDR: 1.331e−02
Coefficient: 1.52e−01
Value: 0.22−3
COG1670
−3.2
−3.4
−3.6
−3.8
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

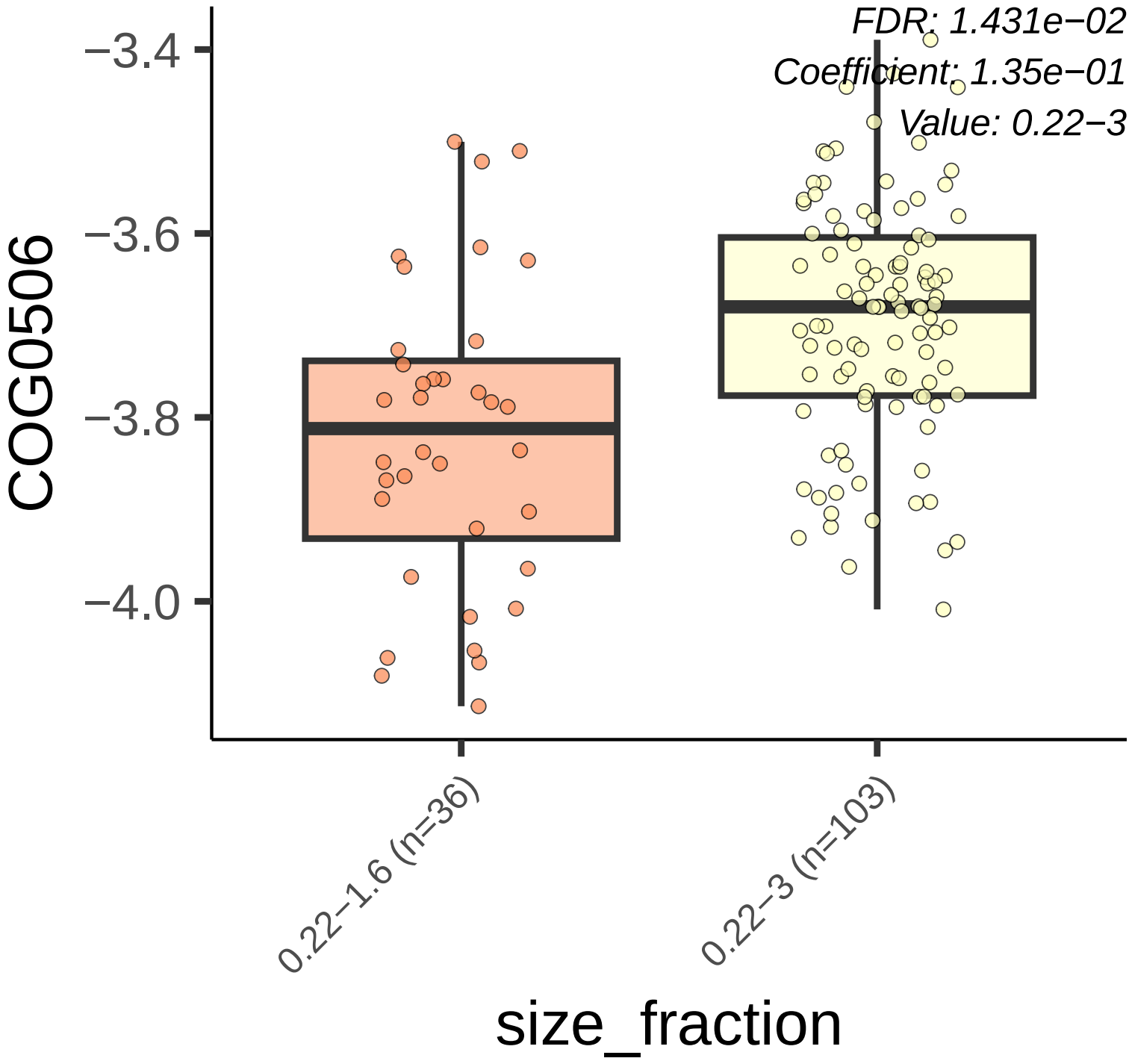

FDR: 1.339e−02
Coefficient: 1.72e+00
Value: 0.22−3
COG2106
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

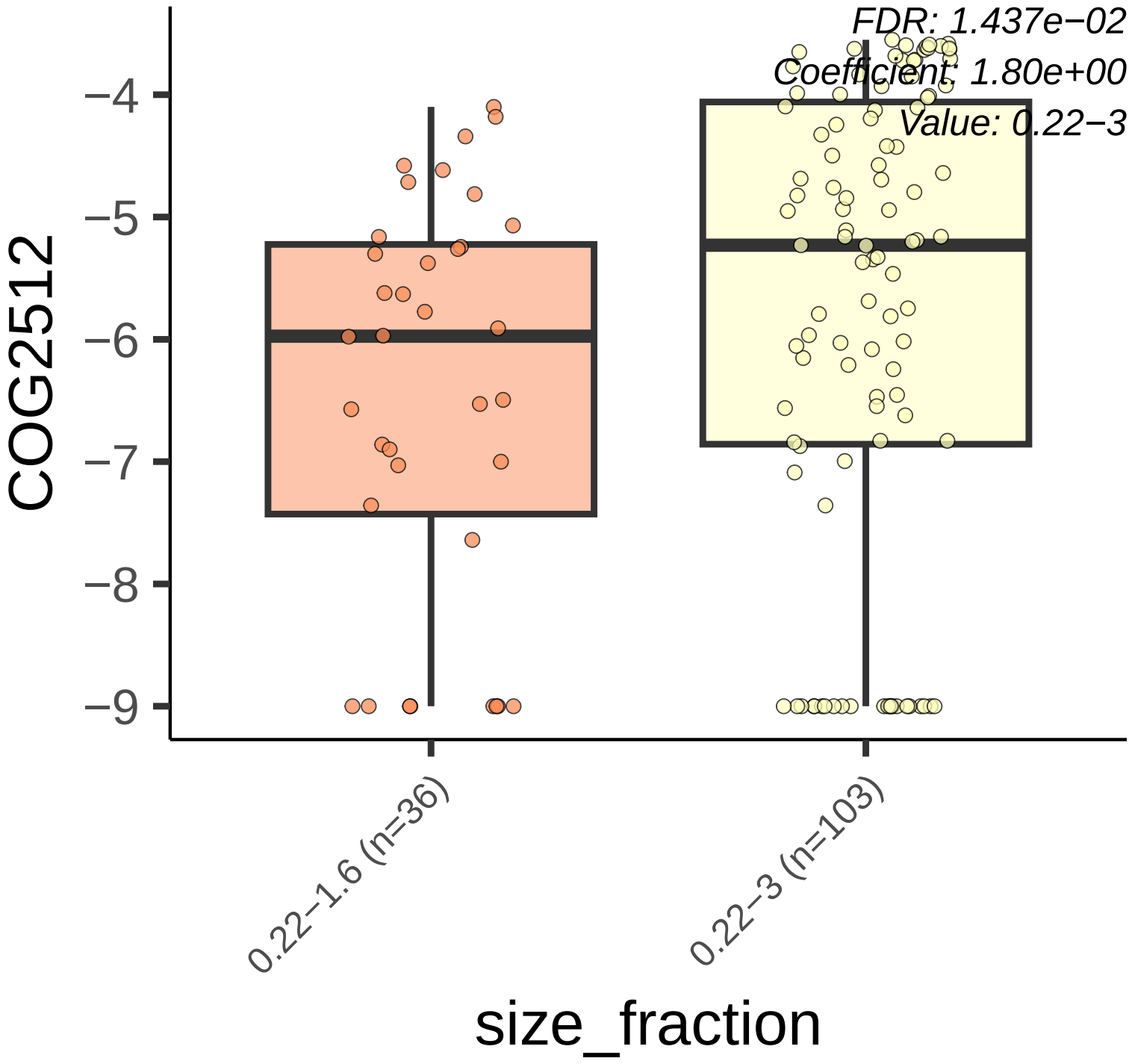

FDR: 1.358e−02
Coefficient: 1.78e−01
Value: 0.22−3
COG1704
−3.9
−4.1
−4.3
−4.5
−4.7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

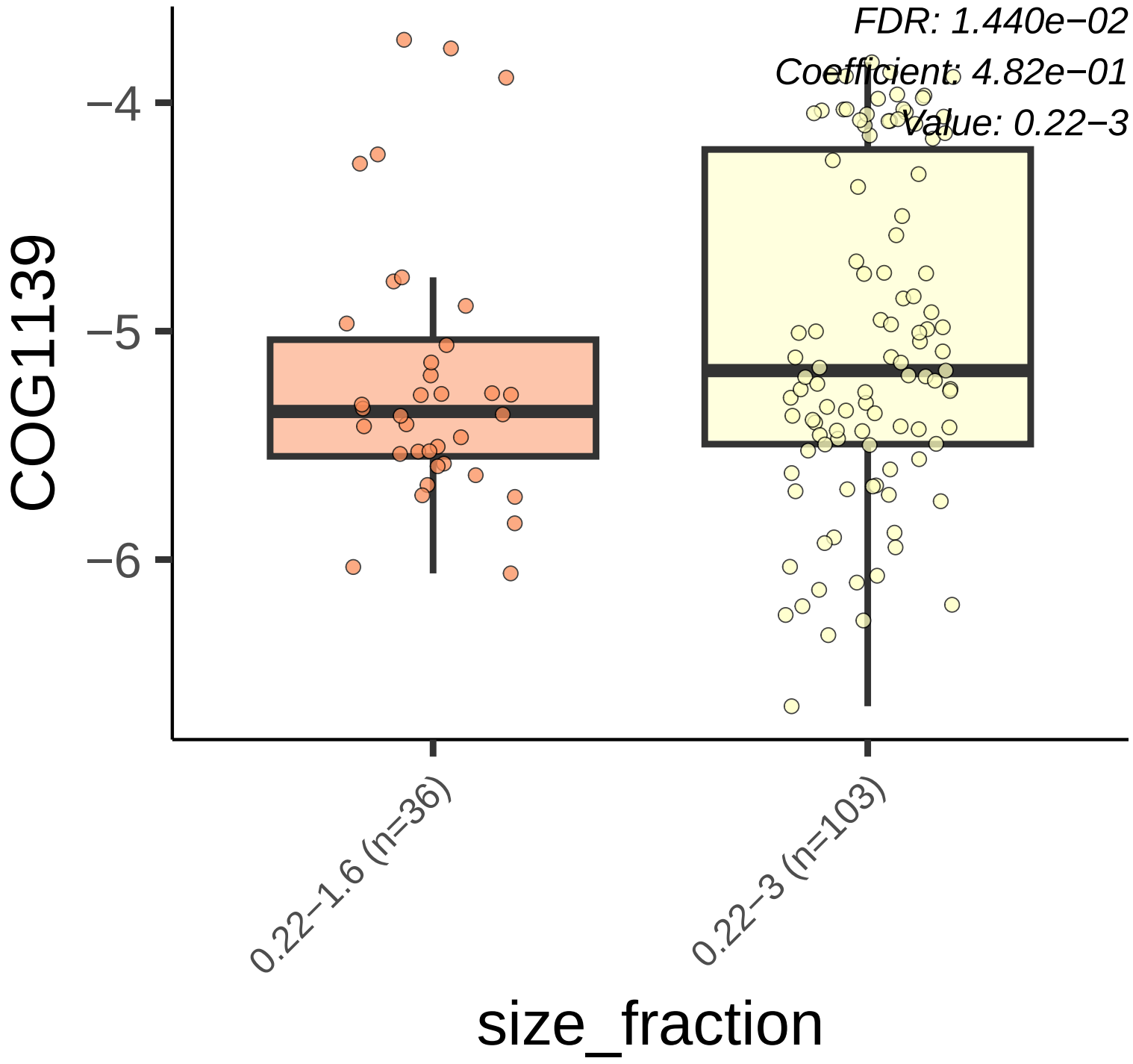

FDR: 1.367e−02
Coefficient: 3.09e−01
Value: 0.22−3
COG0585
−3.5
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

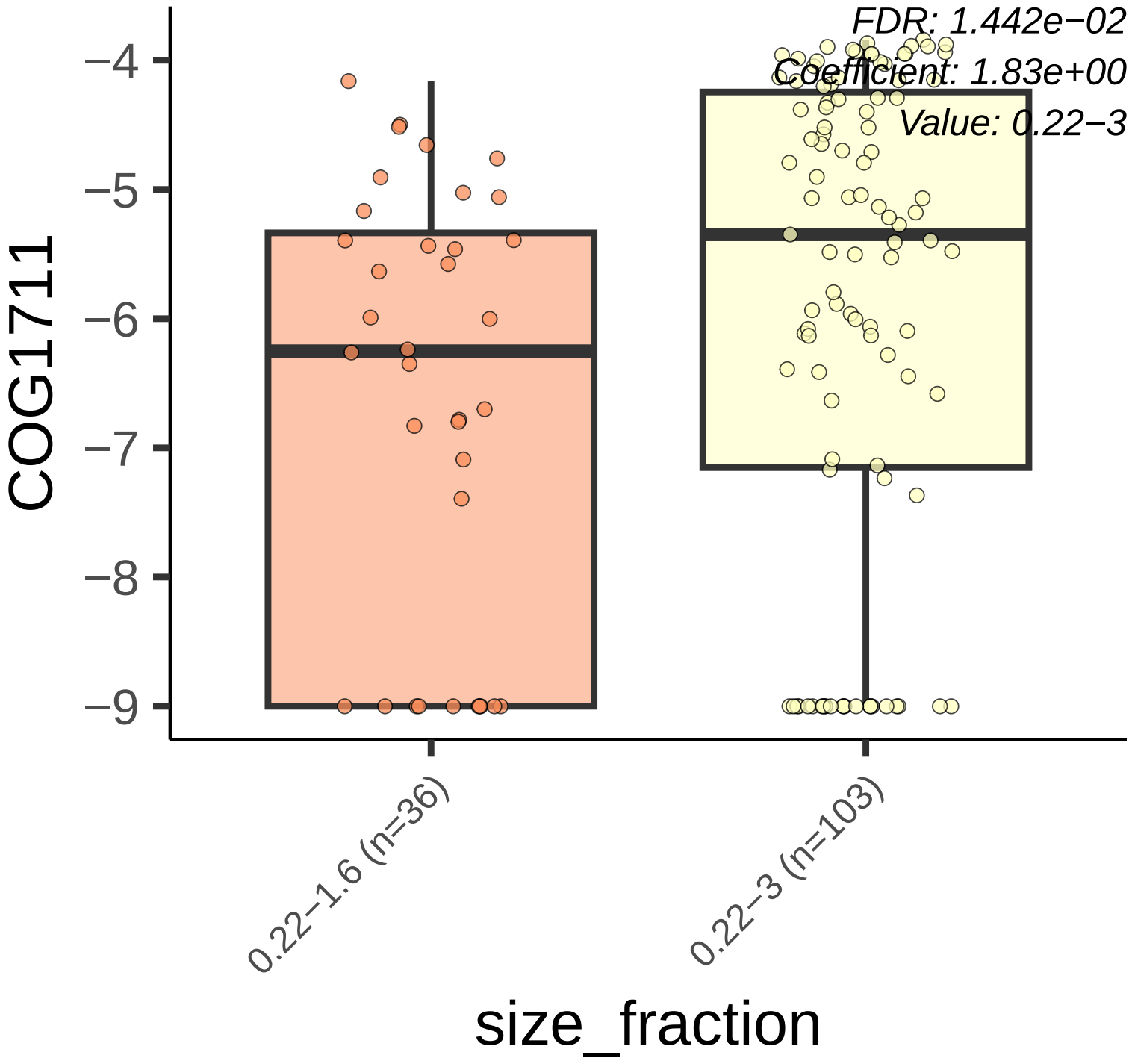

FDR: 1.392e−02
Coefficient: 2.09e−01
Value: 0.22−3
COG0666
−3.5
−4.0
−4.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

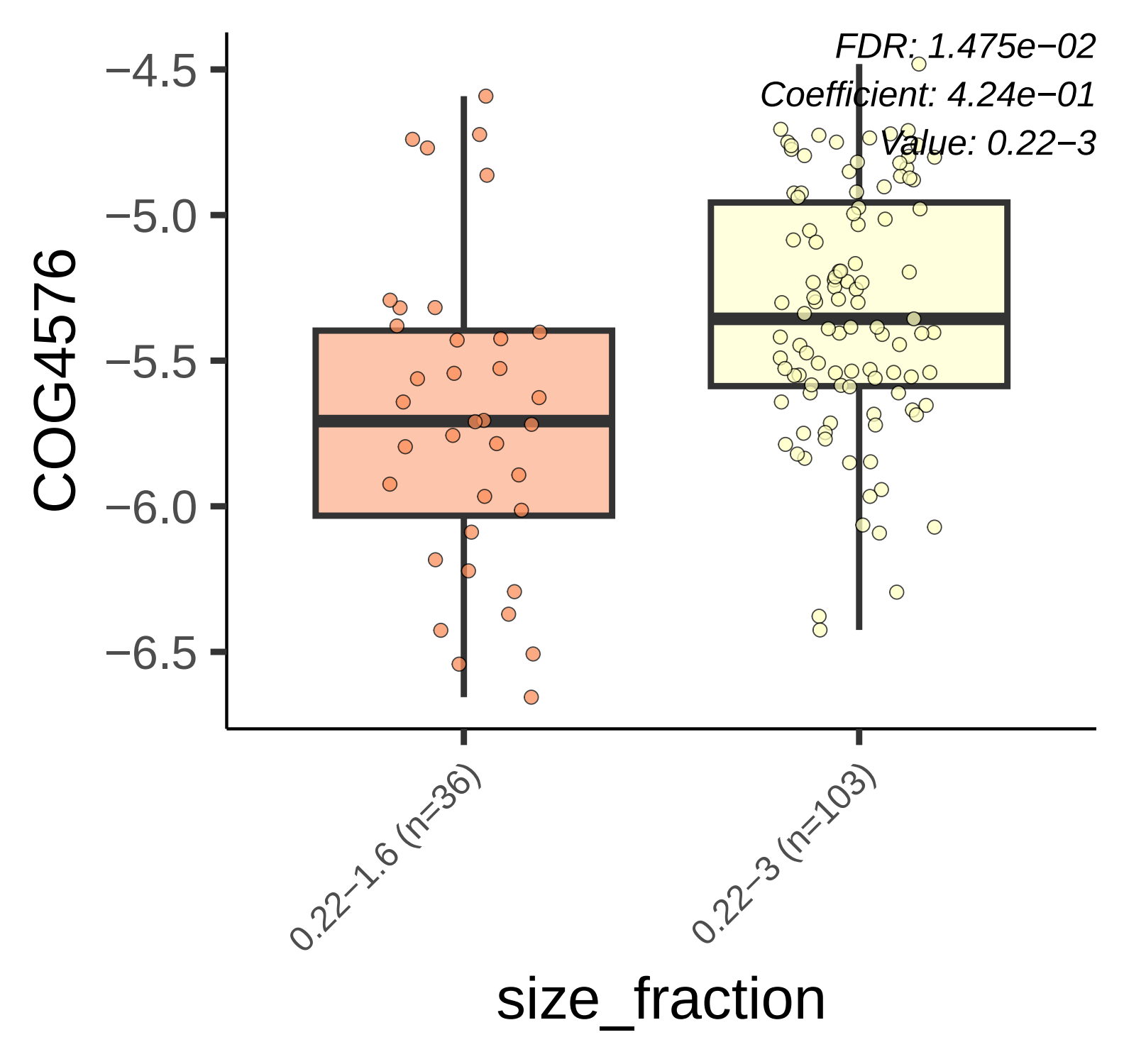

FDR: 1.392e−02
Coefficient: −5.92e−02
Value: 0.22−3
COG0770
−3.35
−3.45
−3.55
−3.65
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

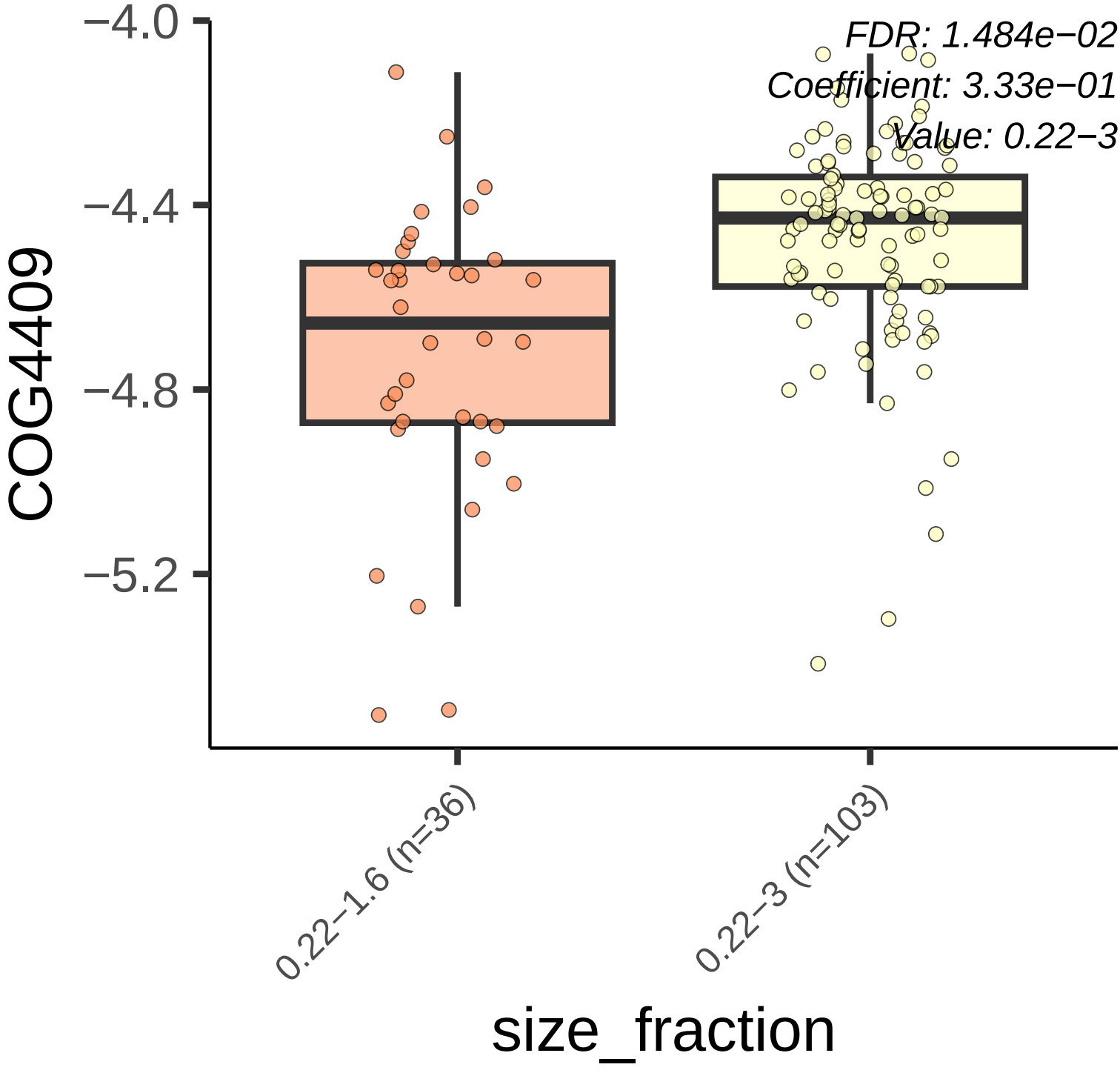

FDR: 1.431e−02
Coefficient: 1.35e−01
Value: 0.22−3
COG0506
−3.4
−3.6
−3.8
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

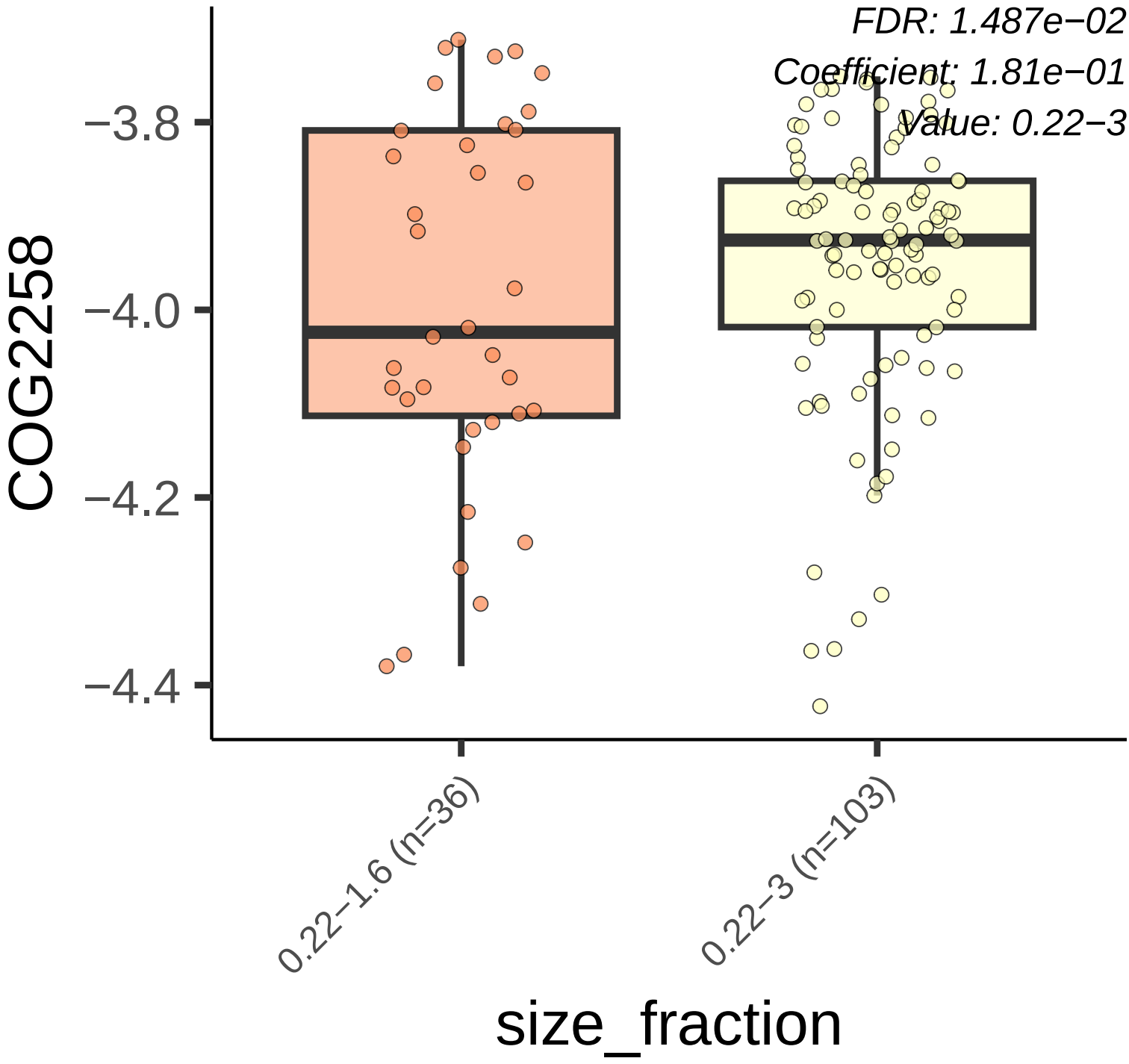

FDR: 1.437e−02
Coefficient: 1.80e+00
Value: 0.22−3
COG2512
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

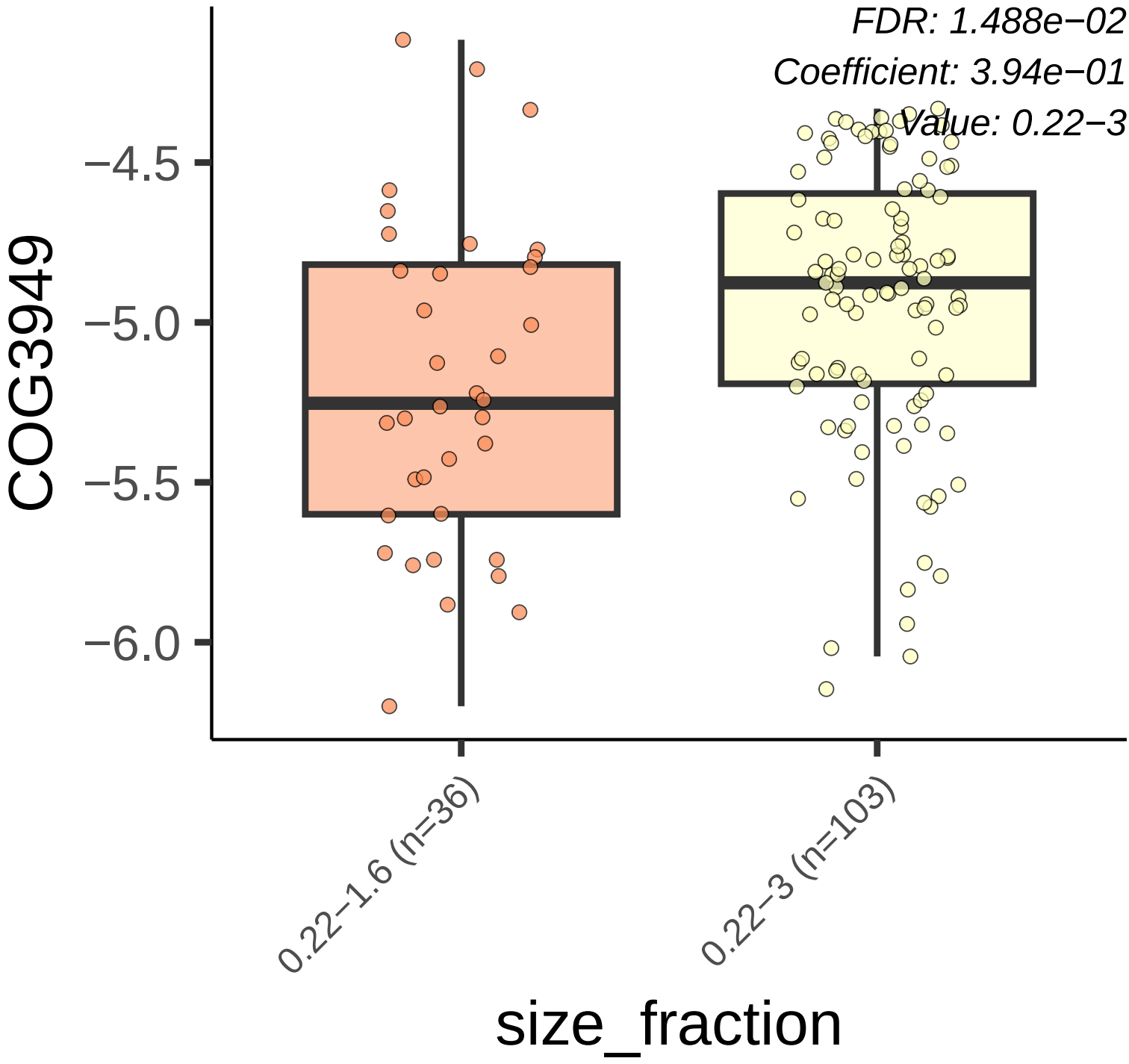

FDR: 1.440e−02
Coefficient: 4.82e−01
Value: 0.22−3
COG1139
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

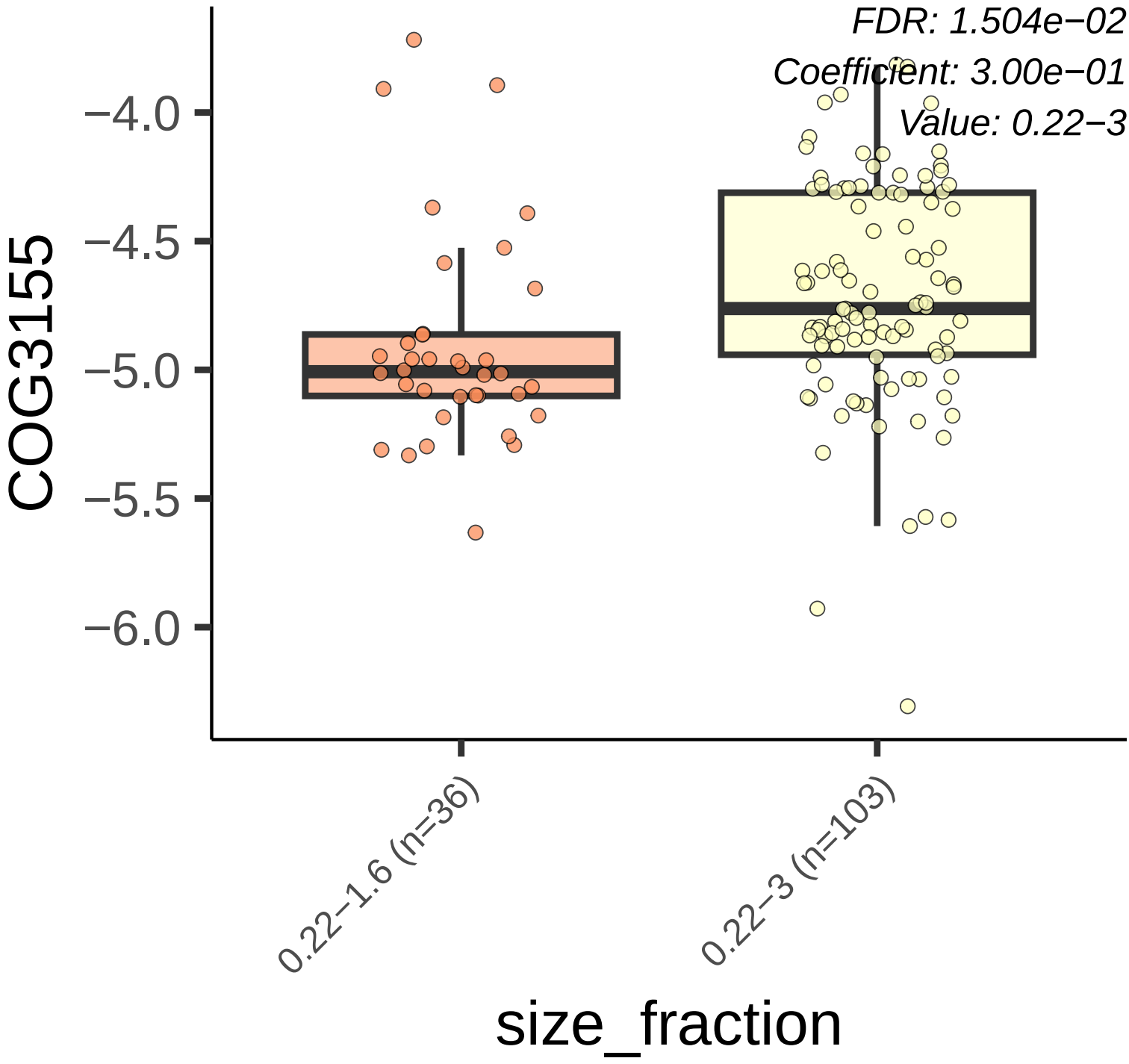

FDR: 1.442e−02
Coefficient: 1.83e+00
Value: 0.22−3
COG1711
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.475e−02
Coefficient: 4.24e−01
Value: 0.22−3
COG4576
−4.5
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.484e−02
Coefficient: 3.33e−01
Value: 0.22−3
COG4409
−4.0
−4.4
−4.8
−5.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.487e−02
Coefficient: 1.81e−01
Value: 0.22−3
COG2258
−3.8
−4.0
−4.2
−4.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.488e−02
Coefficient: 3.94e−01
Value: 0.22−3
COG3949
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction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Coefficient: 3.00e−01
Value: 0.22−3
COG3155
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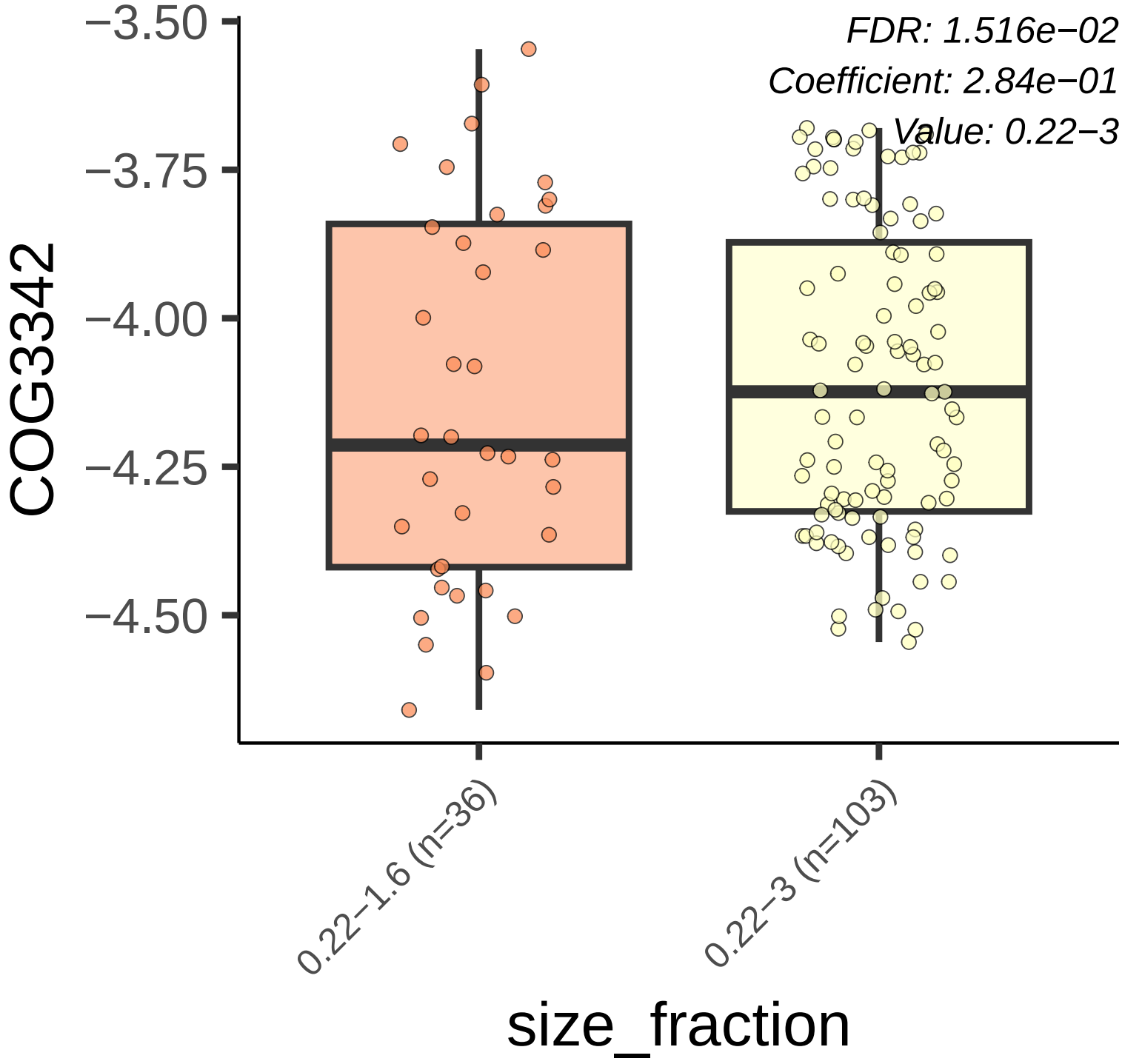
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.516e−02
Coefficient: 2.84e−01
Value: 0.22−3
COG3342
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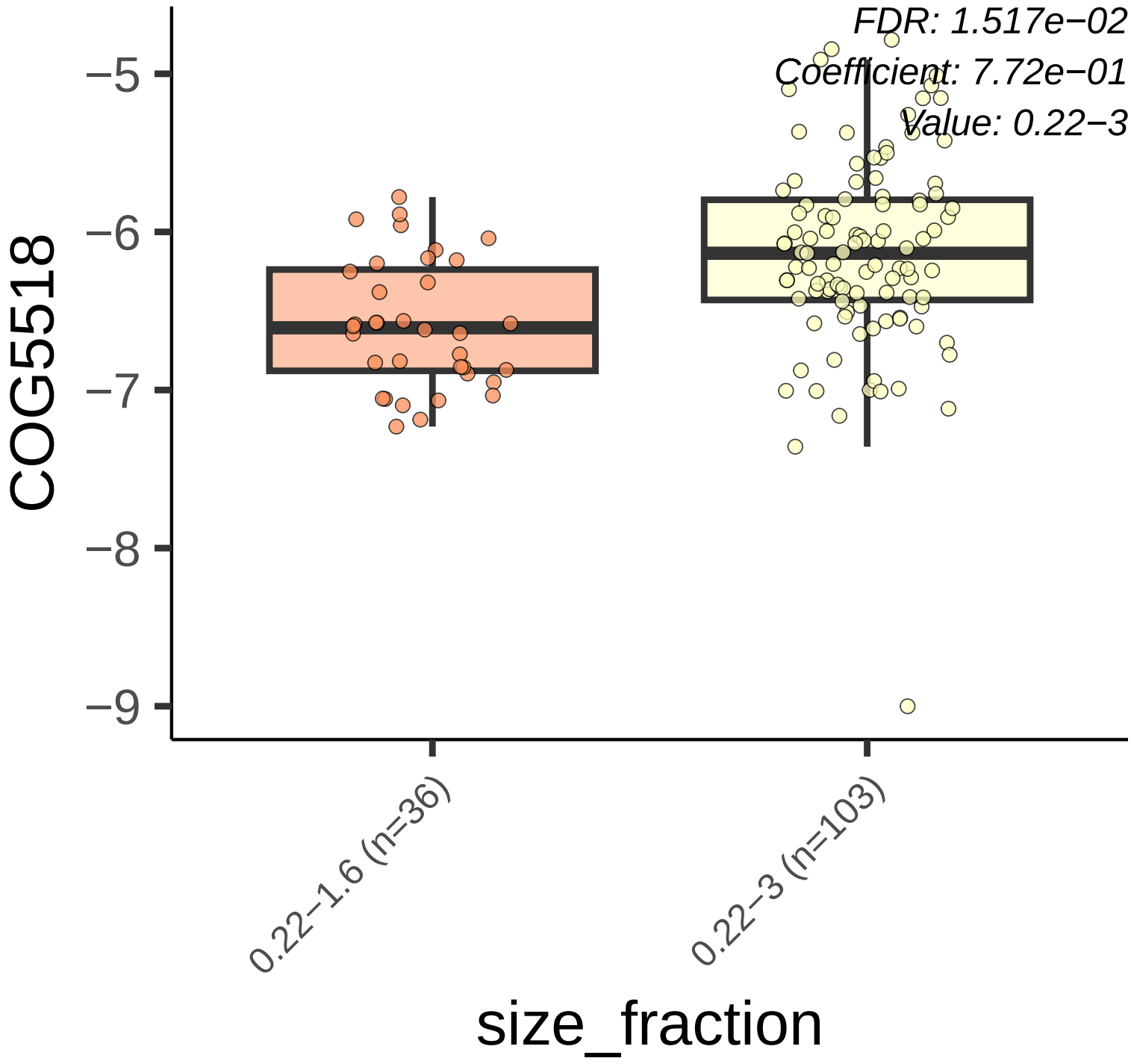
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.517e−02
Coefficient: 7.72e−01
Value: 0.22−3
COG5518
−5
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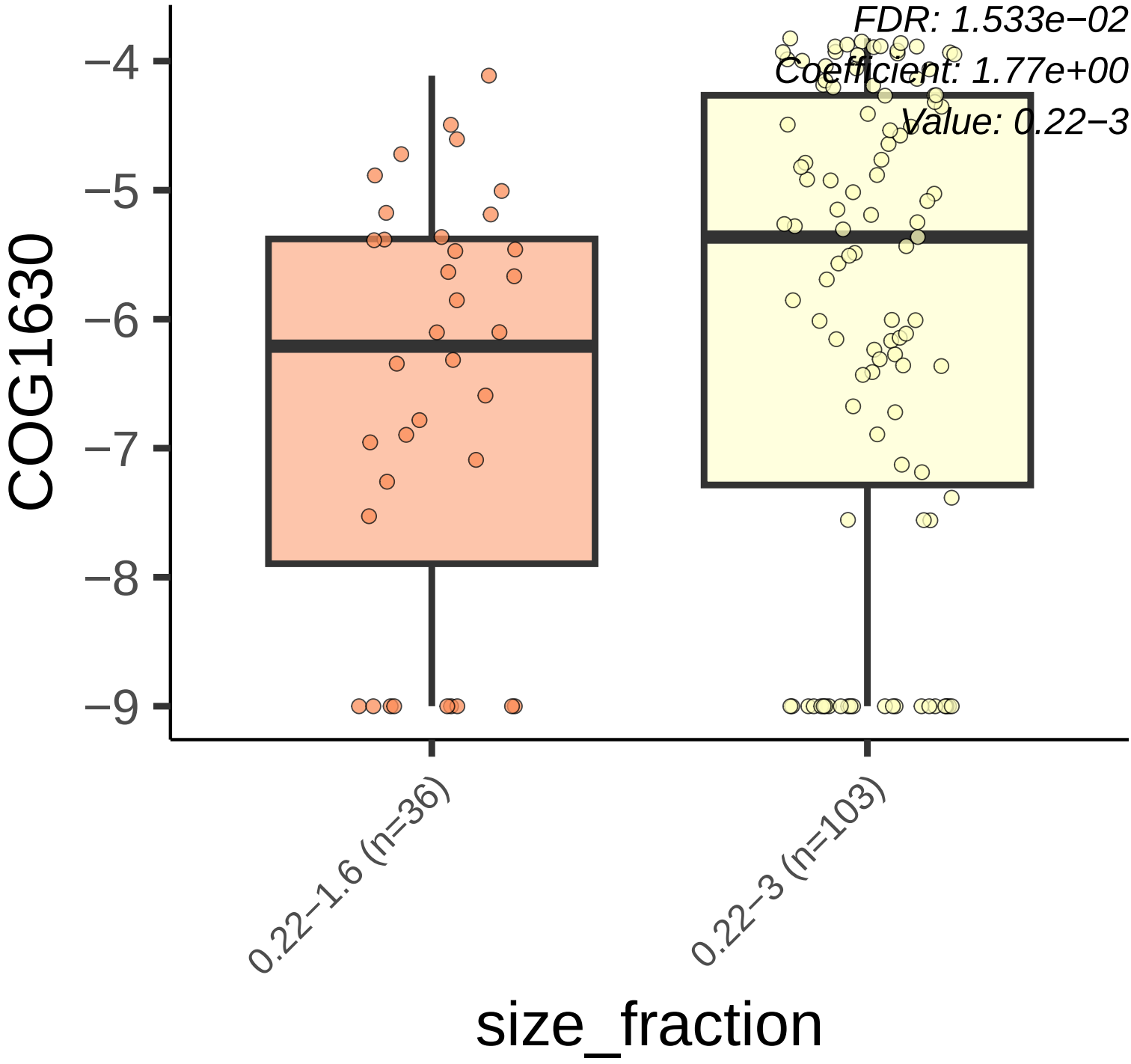
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.533e−02
Coefficient: 1.77e+00
Value: 0.22−3
COG1630
−4
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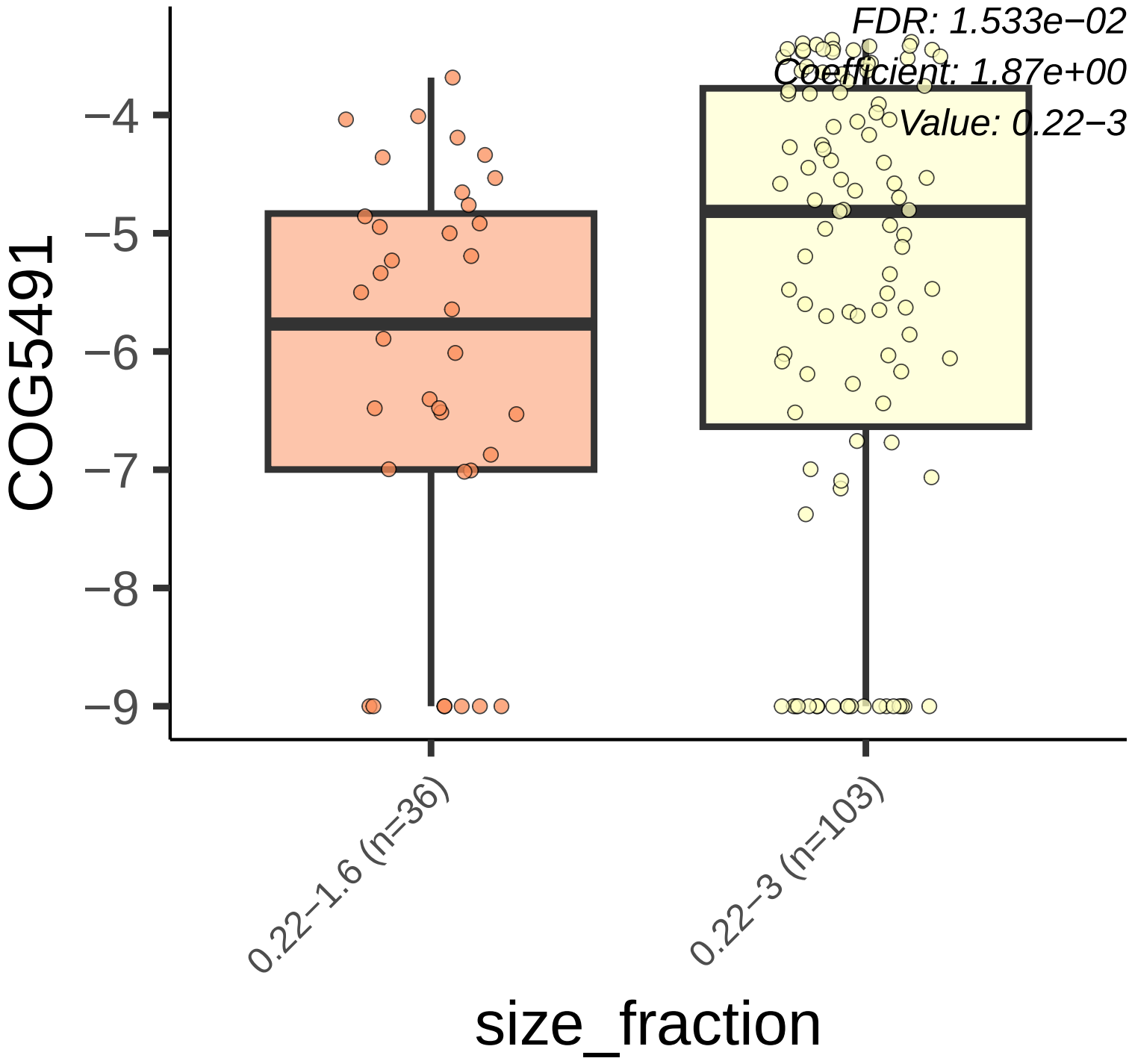
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.533e−02
Coefficient: 1.87e+00
Value: 0.22−3
COG5491
−4
−5
−6
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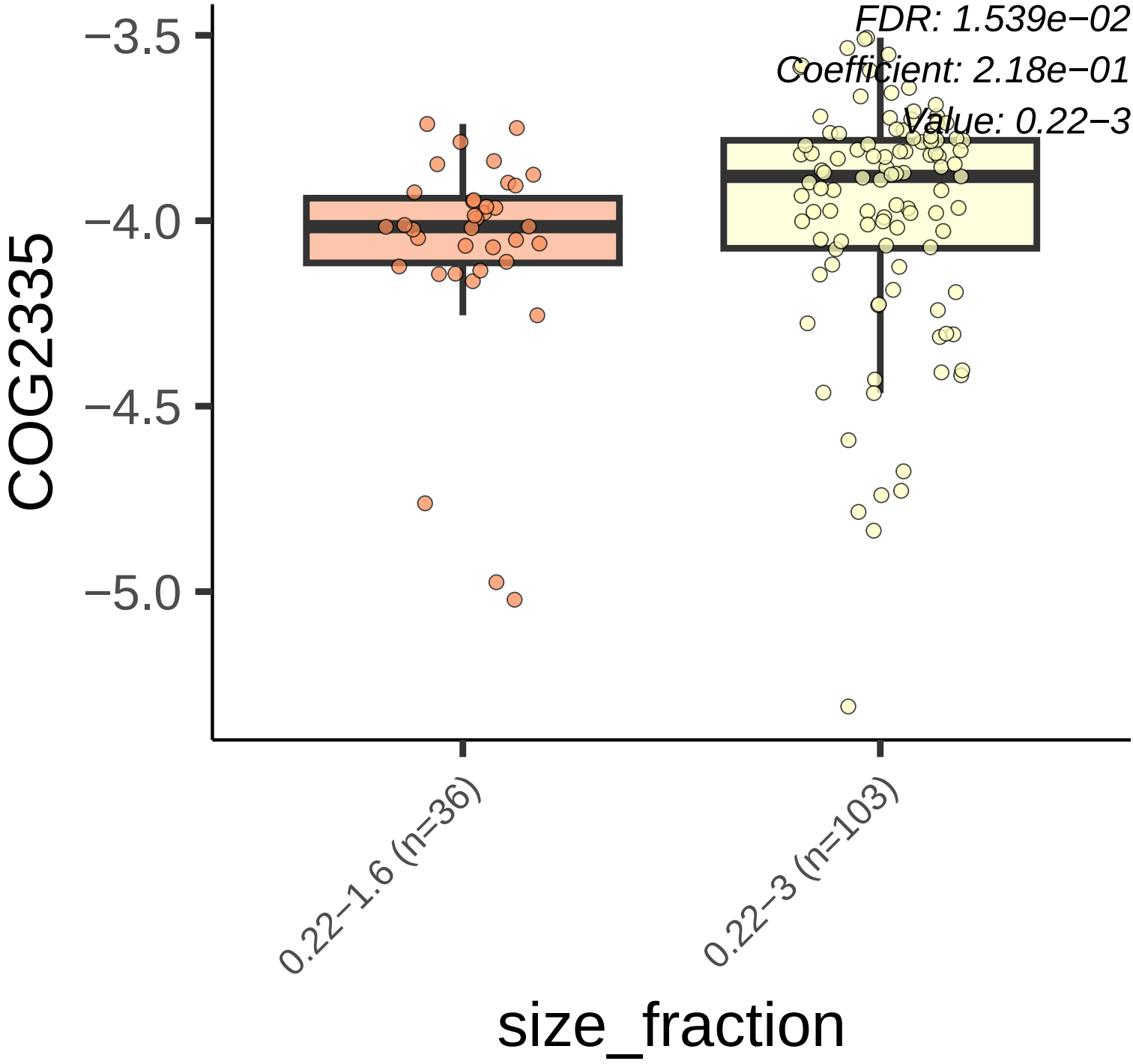
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.539e−02
Coefficient: 2.18e−01
Value: 0.22−3
−3.5
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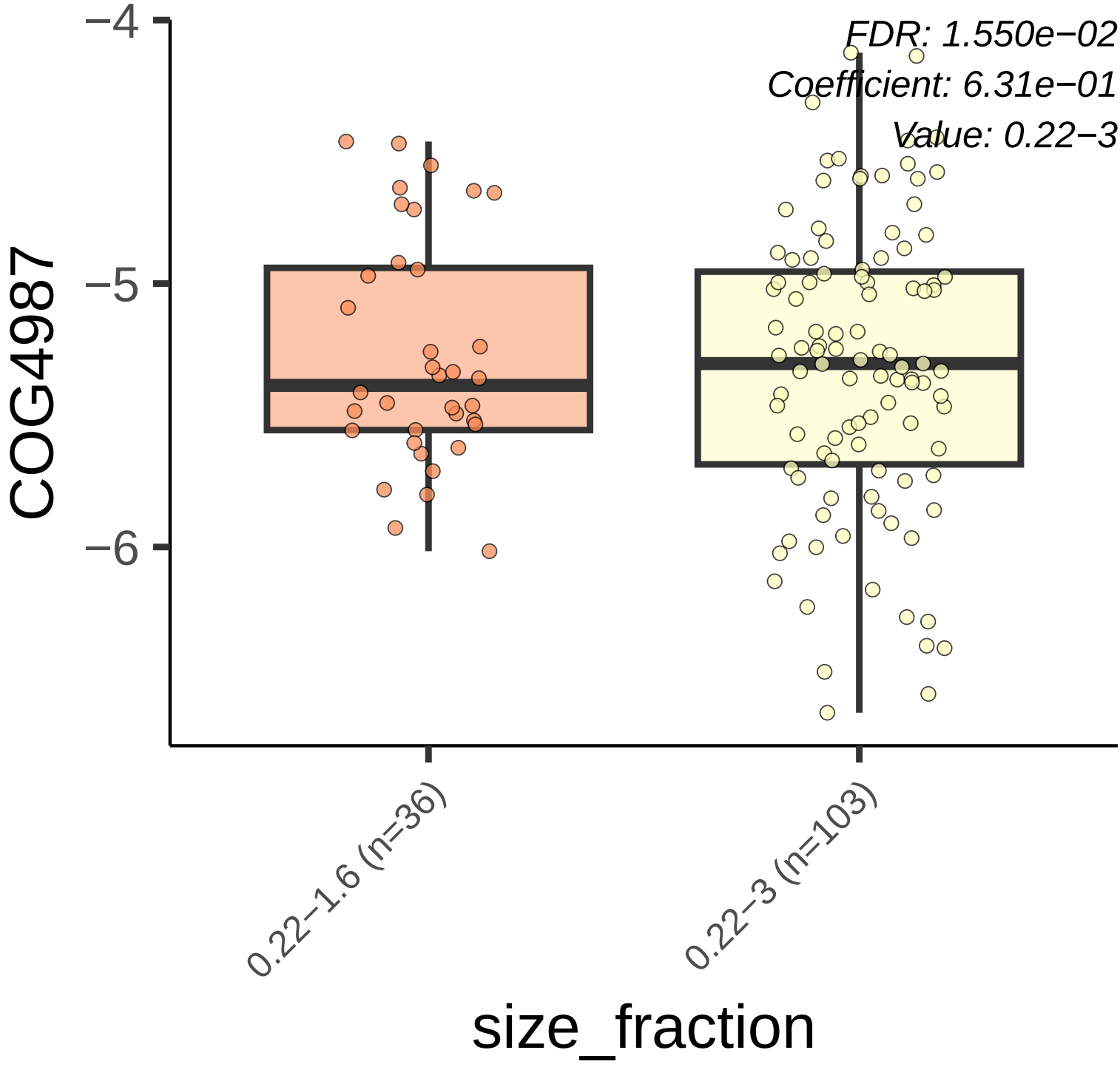
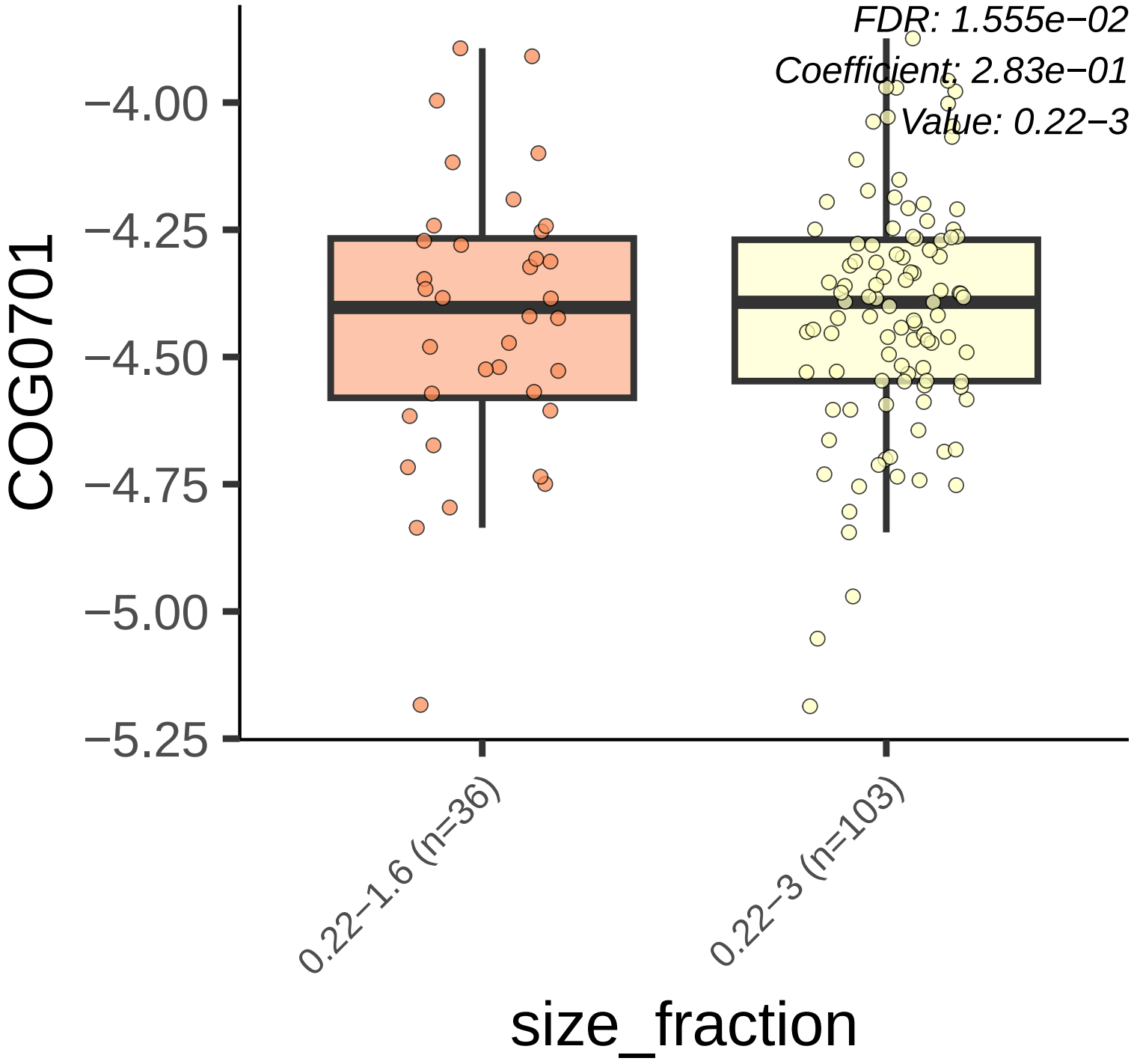
COG2335
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.550e−02
Coefficient: 6.31e−01
Value: 0.22−3
COG4987
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.555e−02
Coefficient: 2.83e−01
Value: 0.22−3
COG0701
−4.00
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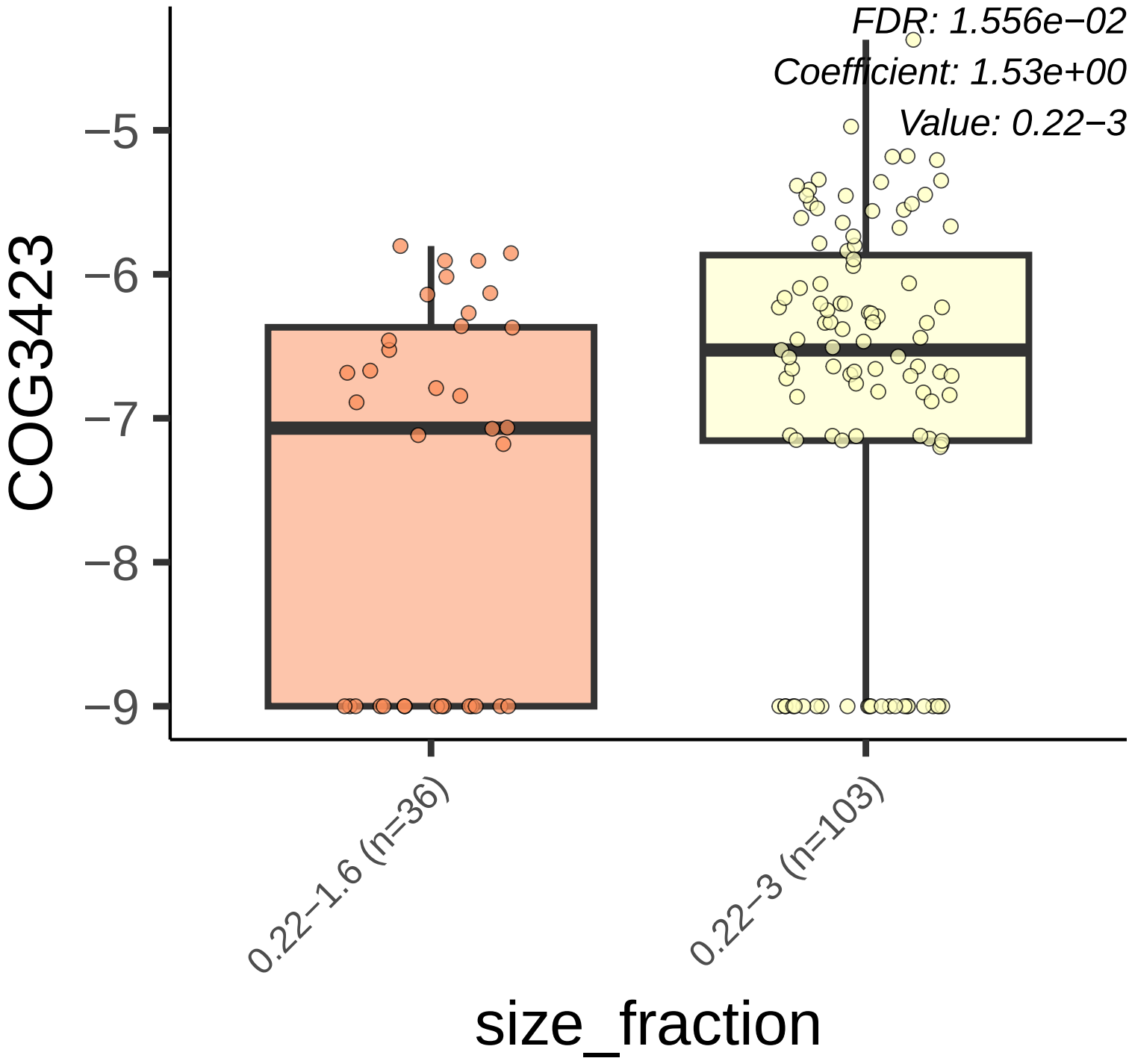
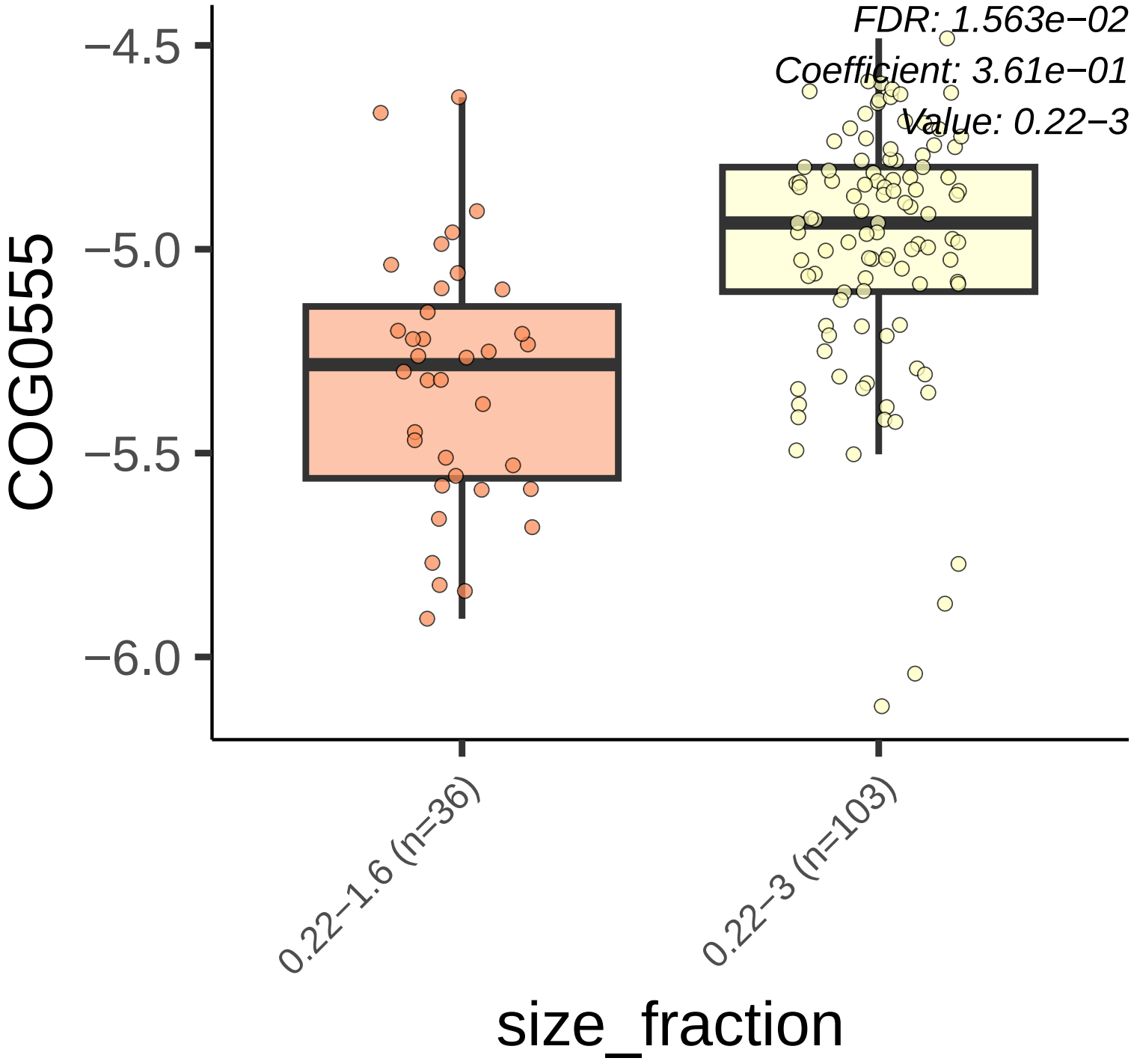
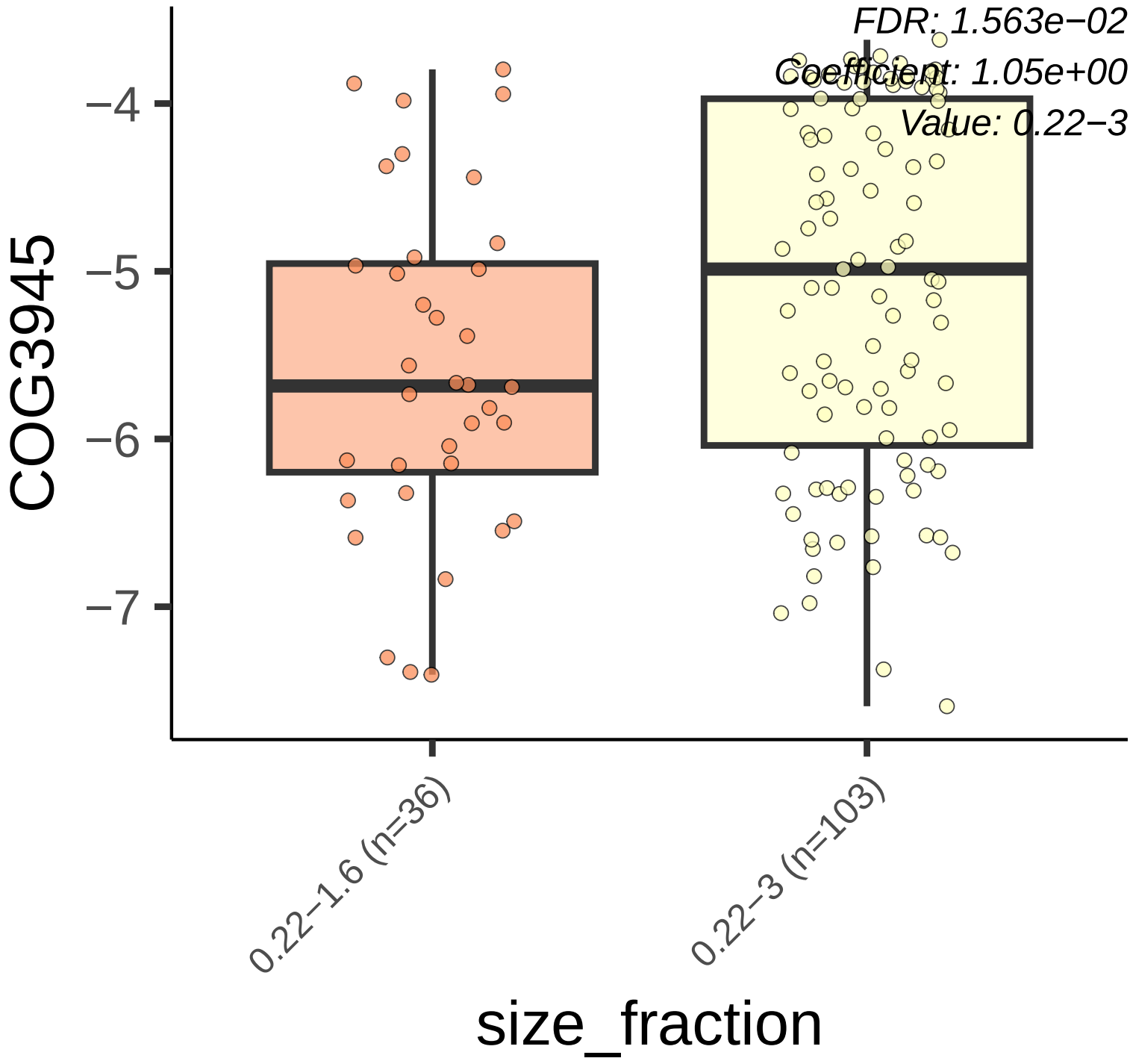
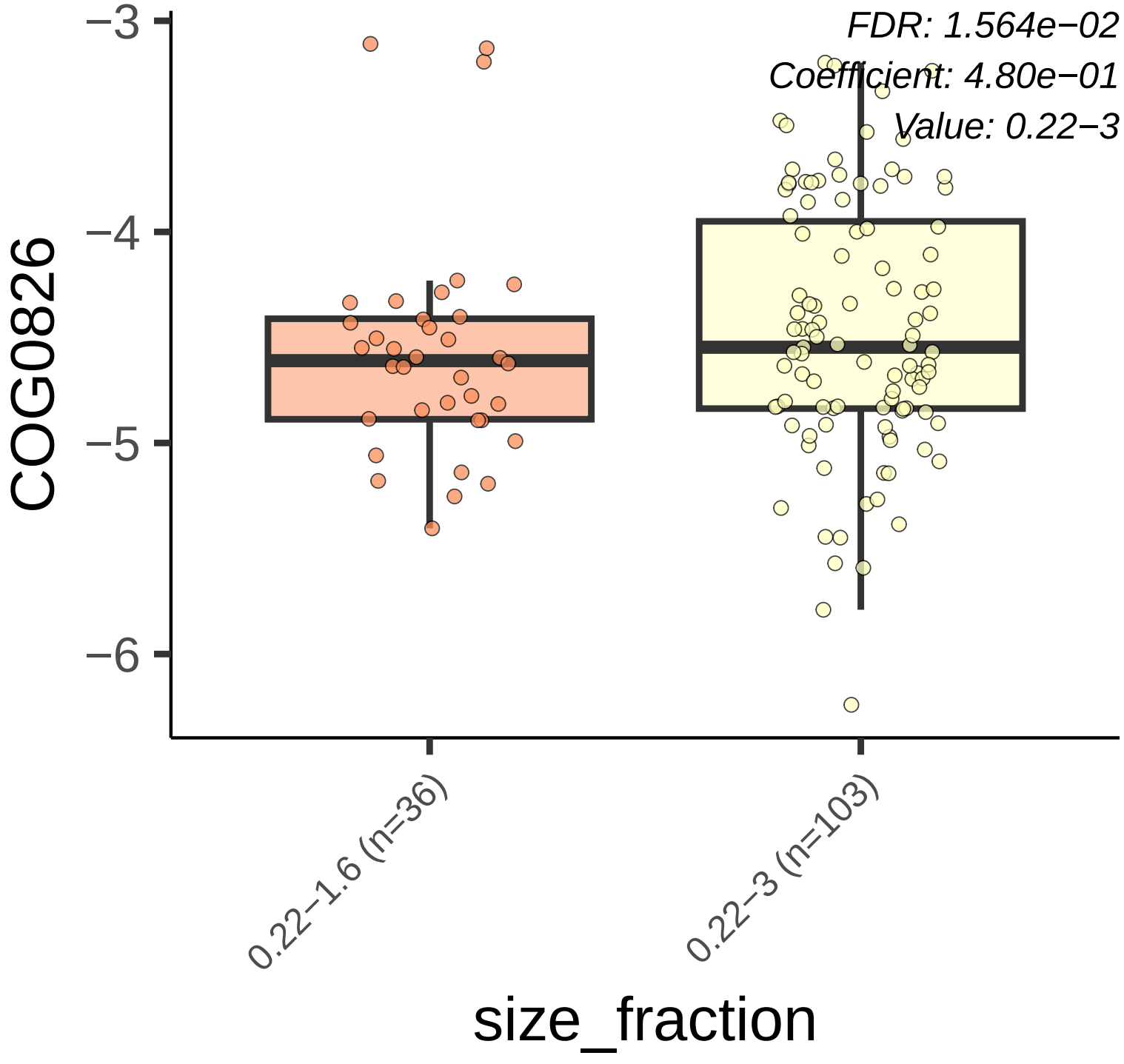
−5.00
−5.25
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.556e−02
Coefficient: 1.53e+00
Value: 0.22−3
COG3423
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.563e−02
Coefficient: 3.61e−01
Value: 0.22−3
−4.5
−5.0
−5.5
−6.0
COG0555
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.563e−02
Coefficient: 1.05e+00
Value: 0.22−3
COG3945
−4
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.564e−02
Coefficient: 4.80e−01
Value: 0.22−3
COG0826
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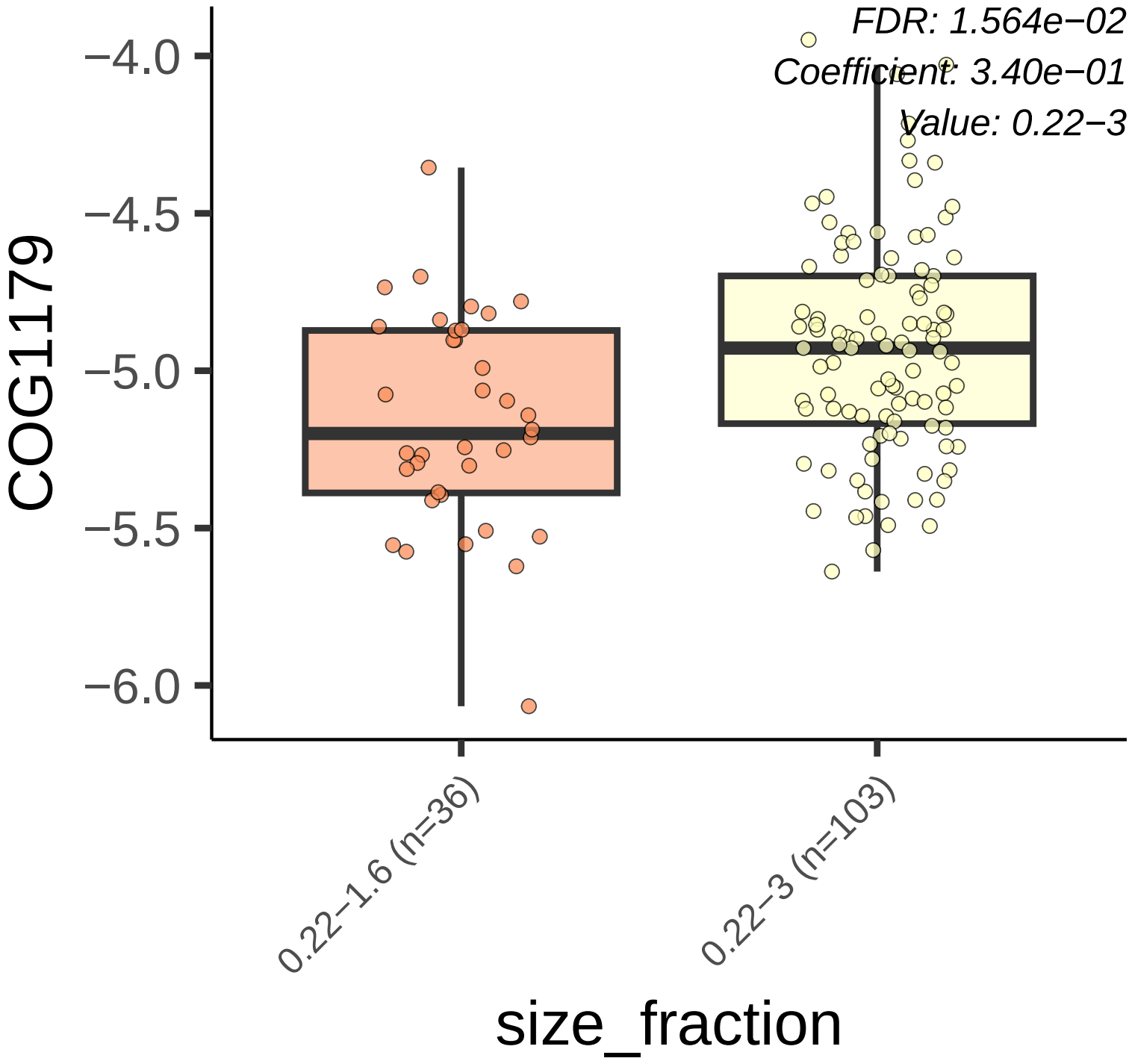
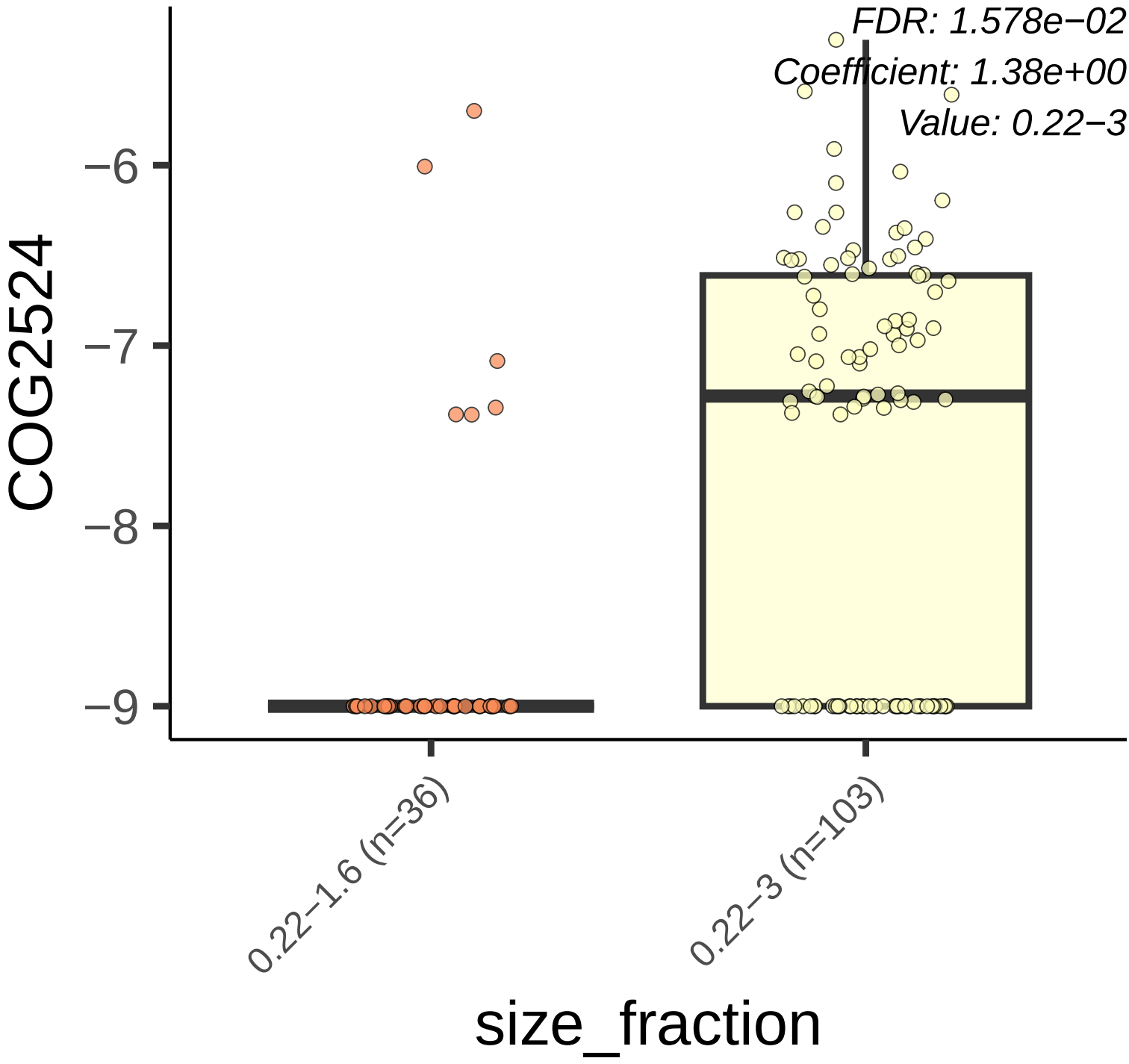
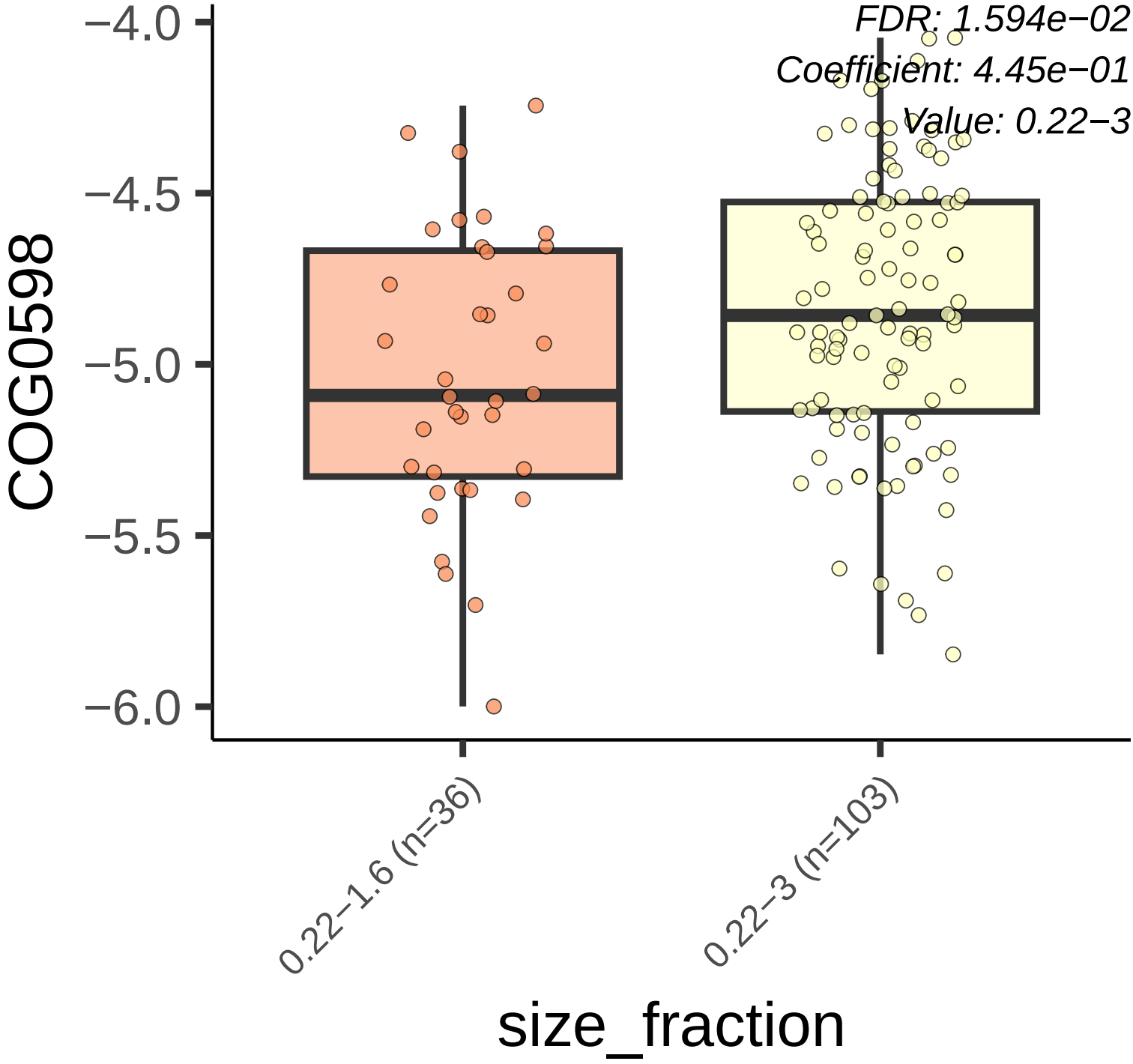
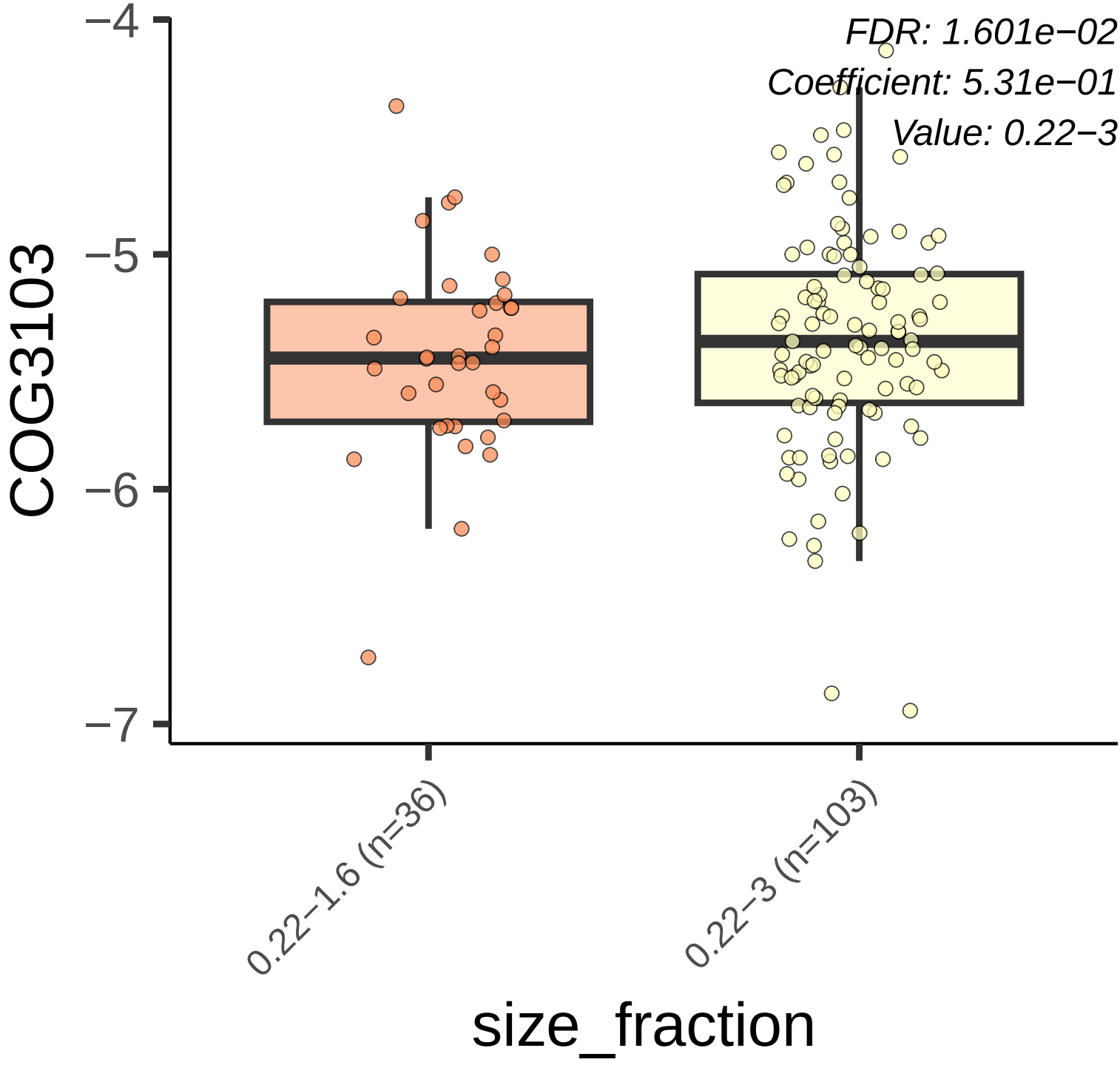
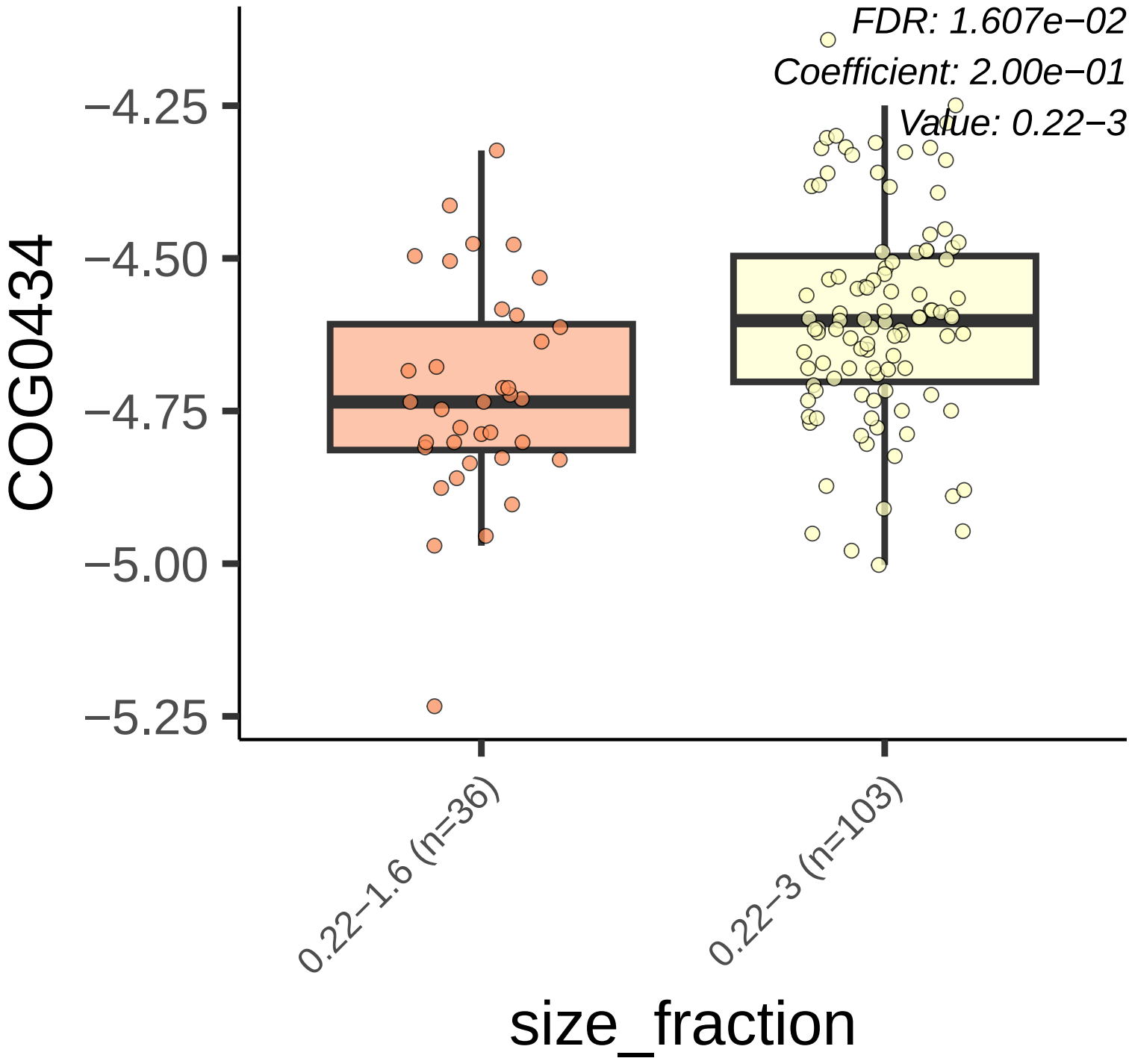
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.564e−02
Coefficient: 3.40e−01
Value: 0.22−3
COG1179
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.578e−02
Coefficient: 1.38e+00
Value: 0.22−3
COG2524
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.594e−02
Coefficient: 4.45e−01
Value: 0.22−3
COG0598
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.601e−02
Coefficient: 5.31e−01
Value: 0.22−3
COG3103
−4
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.607e−02
Coefficient: 2.00e−01
Value: 0.22−3
COG0434
−4.25
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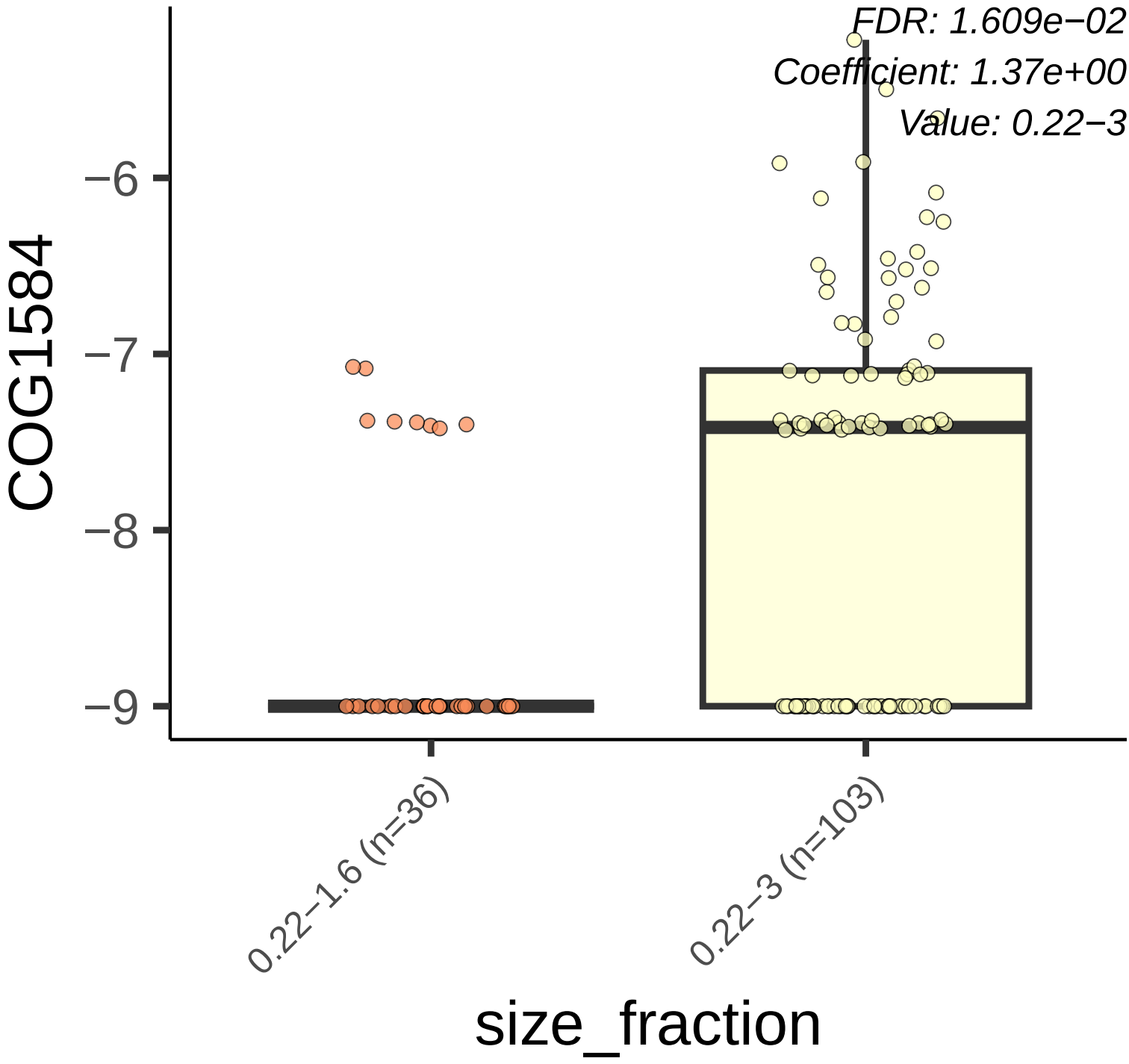
−5.25
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.609e−02
Coefficient: 1.37e+00
Value: 0.22−3
COG1584
−6
−7
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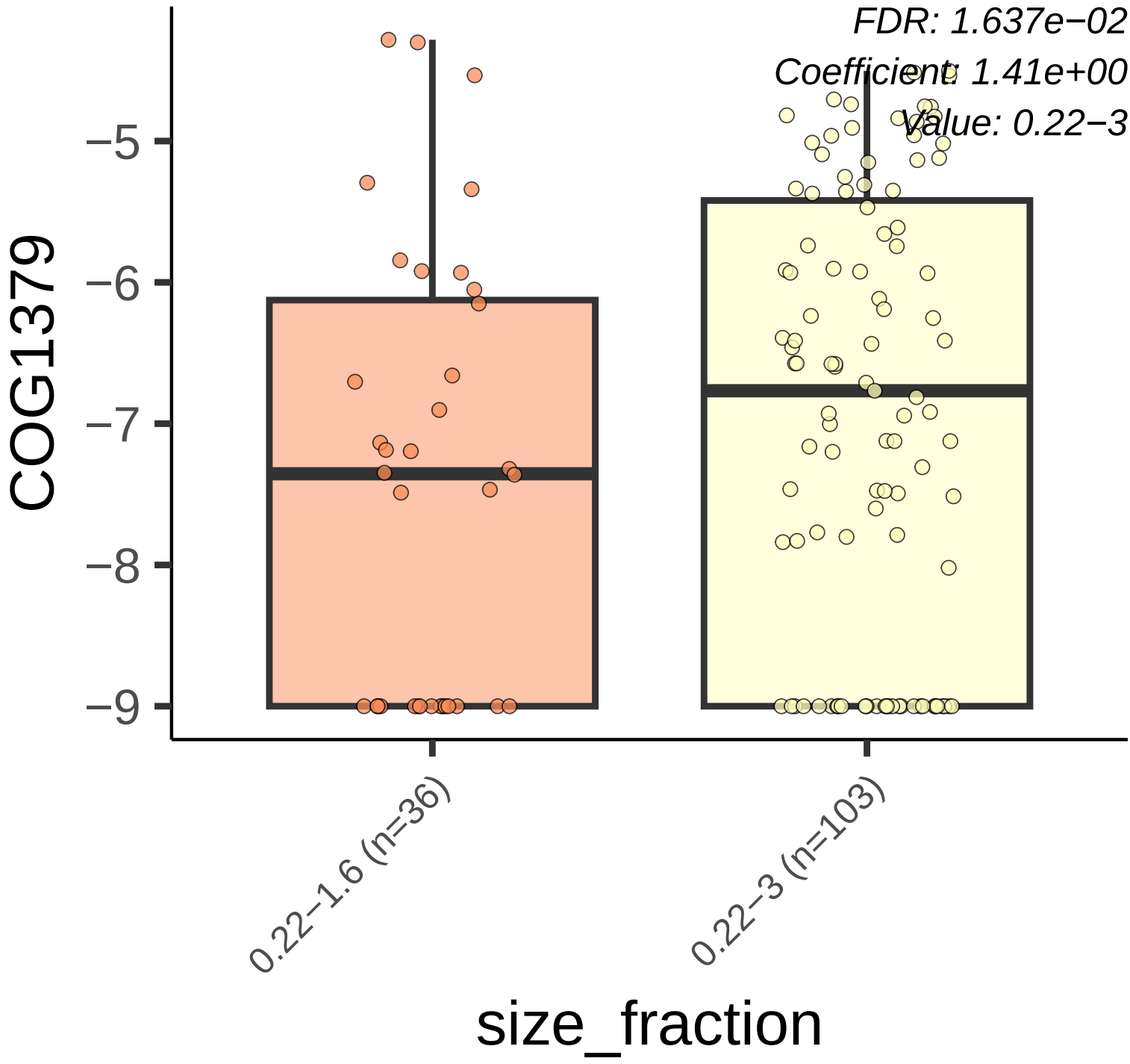
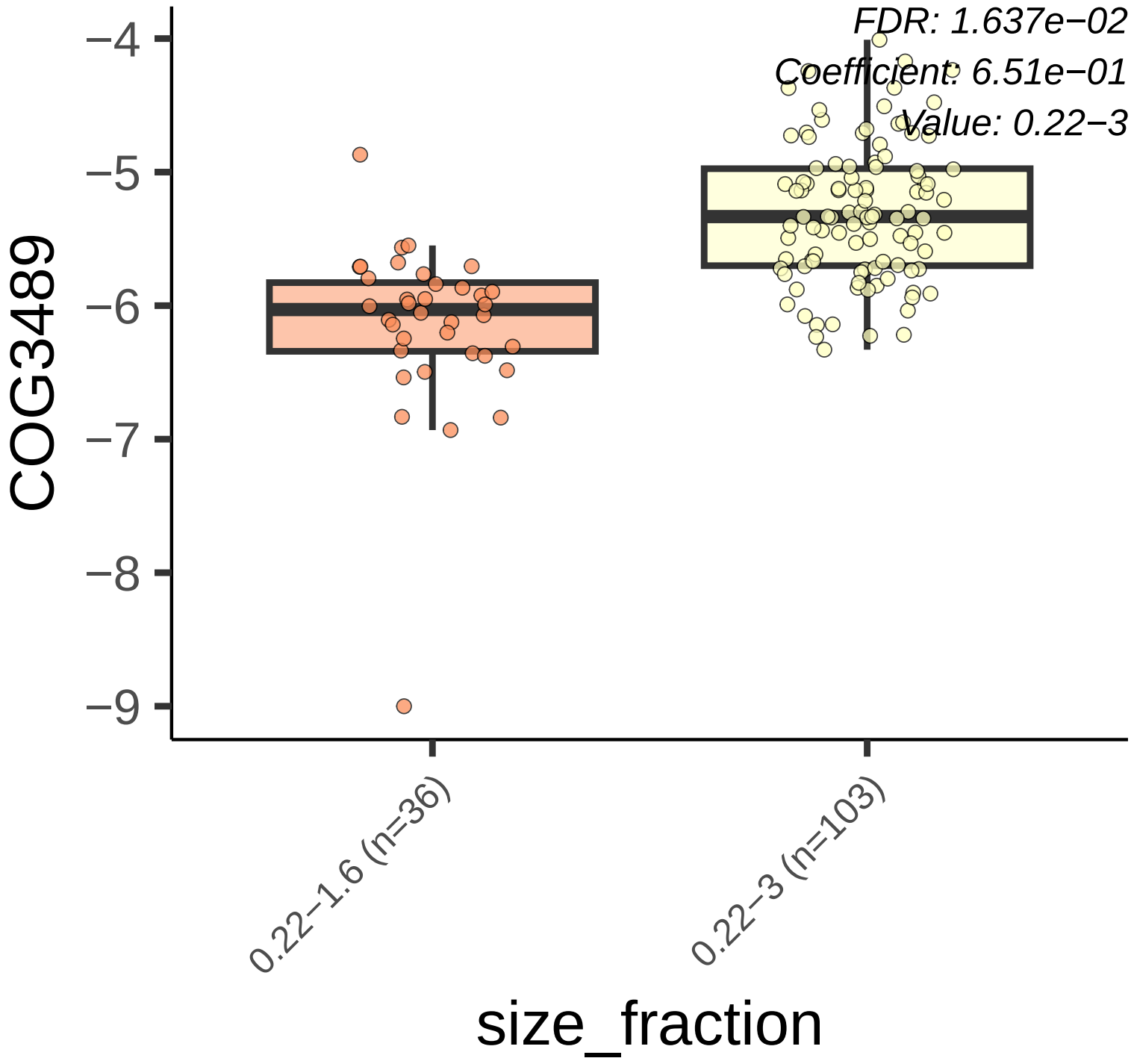
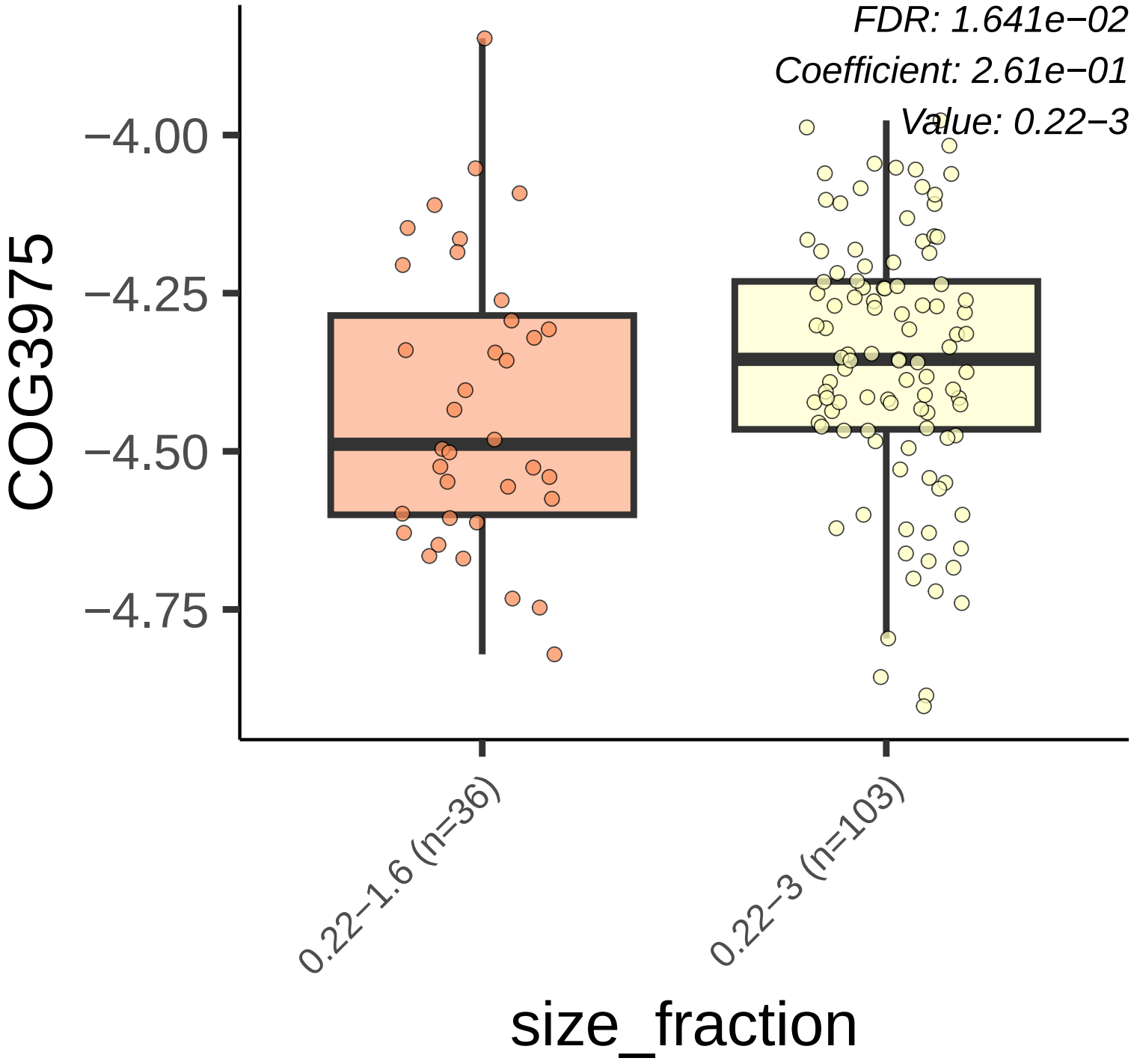
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.637e−02
Coefficient: 1.41e+00
Value: 0.22−3
COG1379
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.637e−02
Coefficient: 6.51e−01
Value: 0.22−3
COG3489
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.641e−02
Coefficient: 2.61e−01
Value: 0.22−3
COG3975
−4.00
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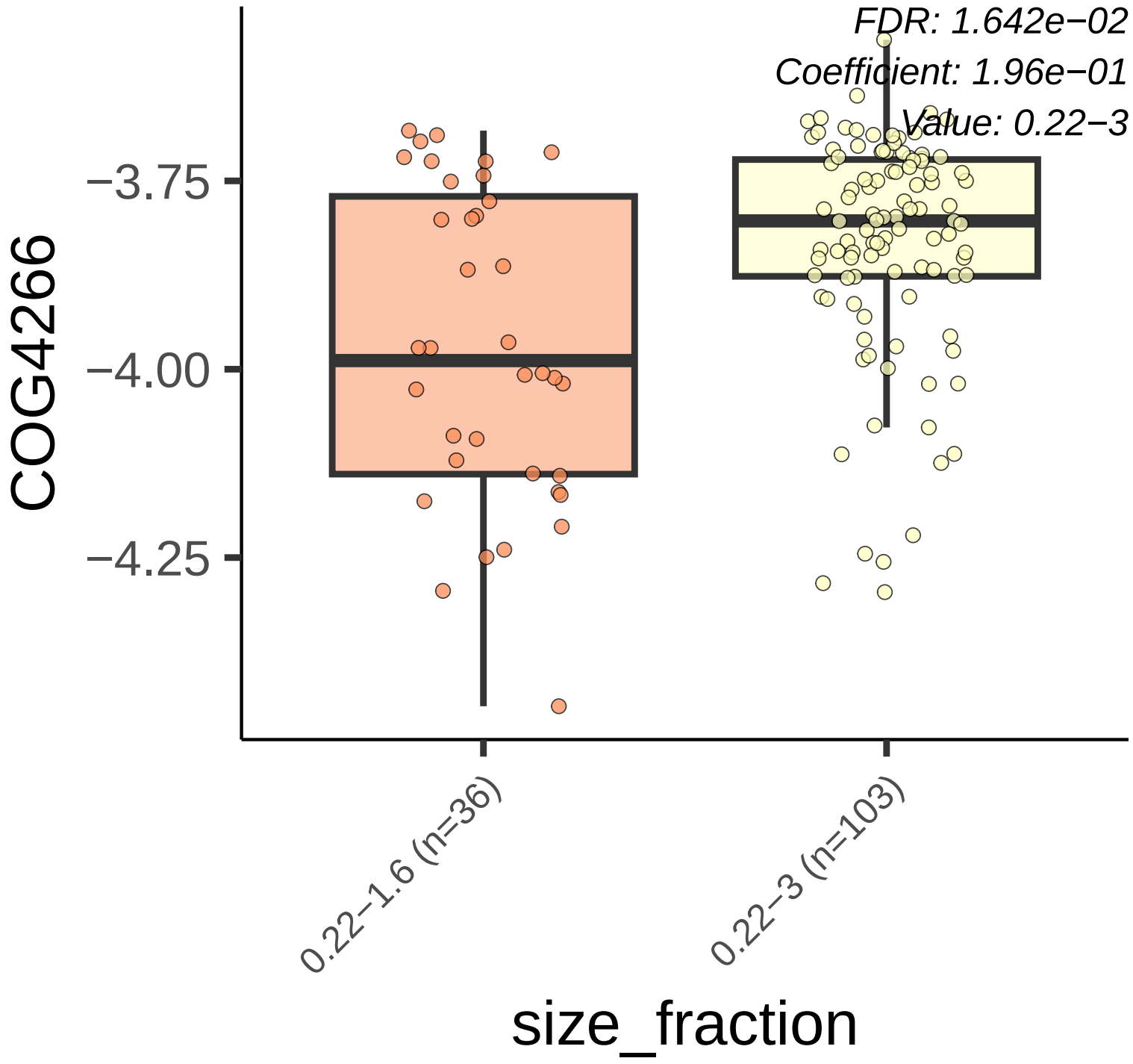
−4.75
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.642e−02
Coefficient: 1.96e−01
Value: 0.22−3
COG4266
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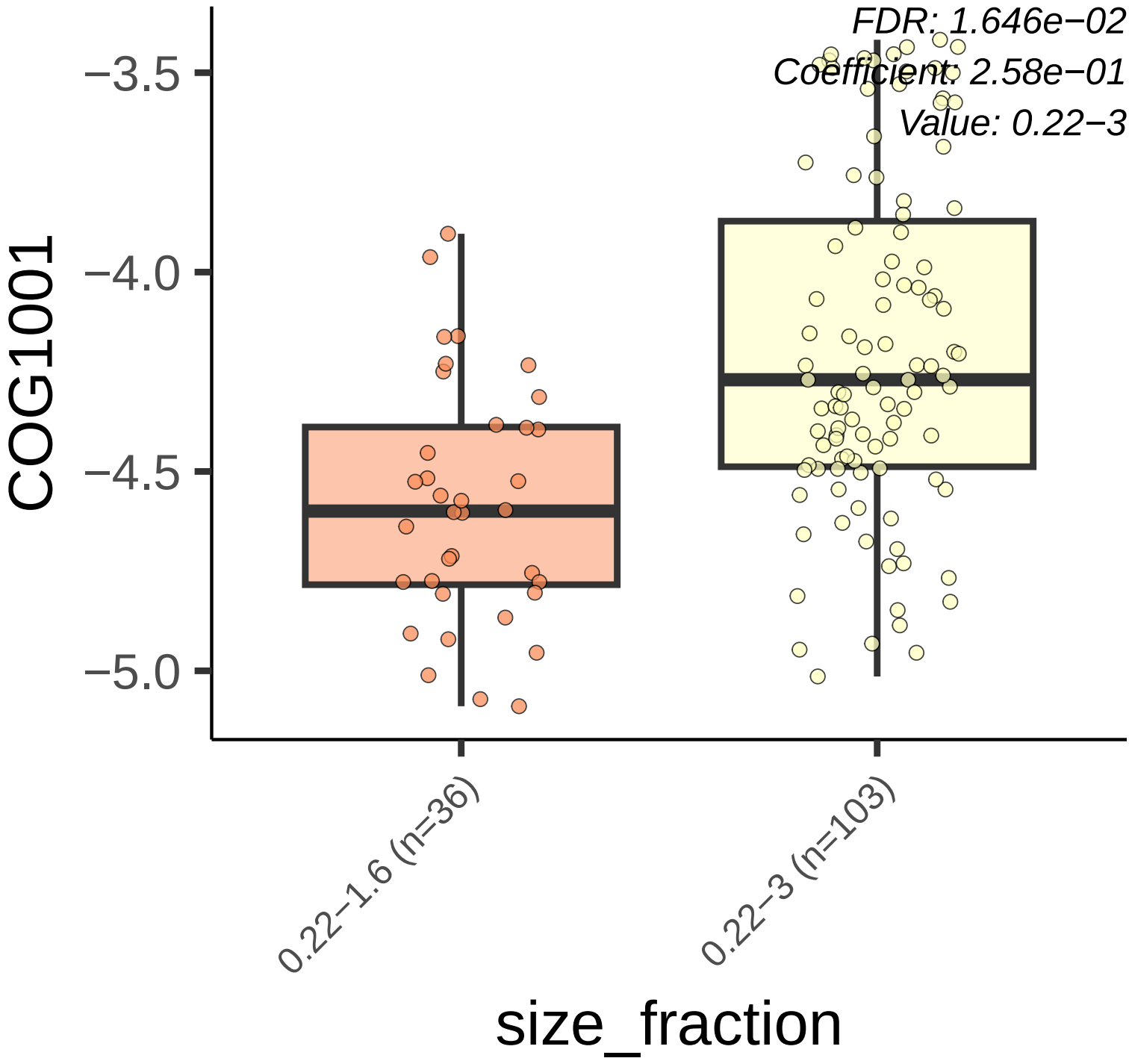
−4.00
−4.25
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction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Coefficient: 2.58e−01
Value: 0.22−3
COG1001
−3.5
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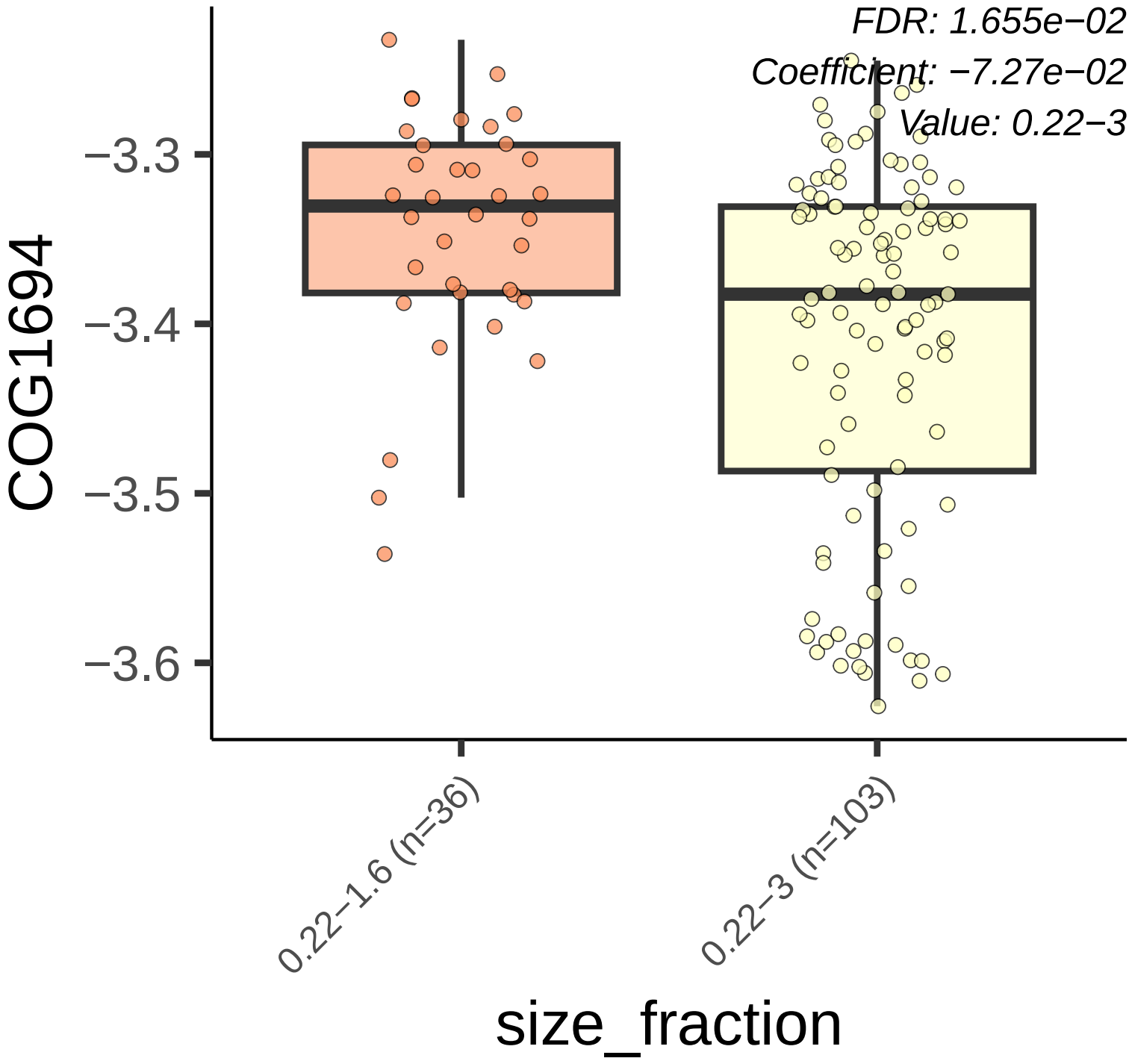
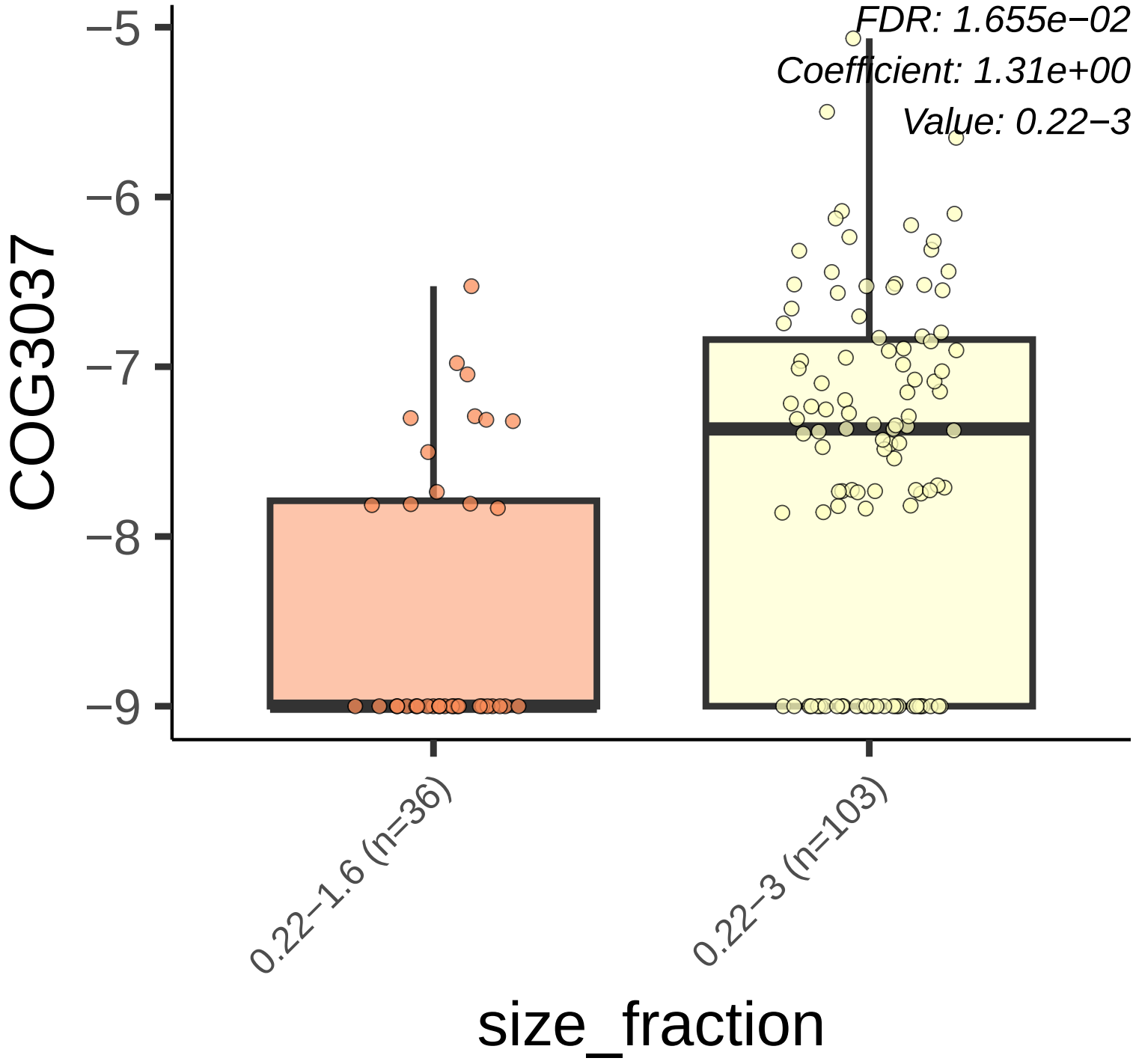
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.655e−02
Coefficient: −7.27e−02
Value: 0.22−3
COG1694
−3.3
−3.4
−3.5
−3.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.655e−02
Coefficient: 1.31e+00
Value: 0.22−3
COG3037
−5
−6
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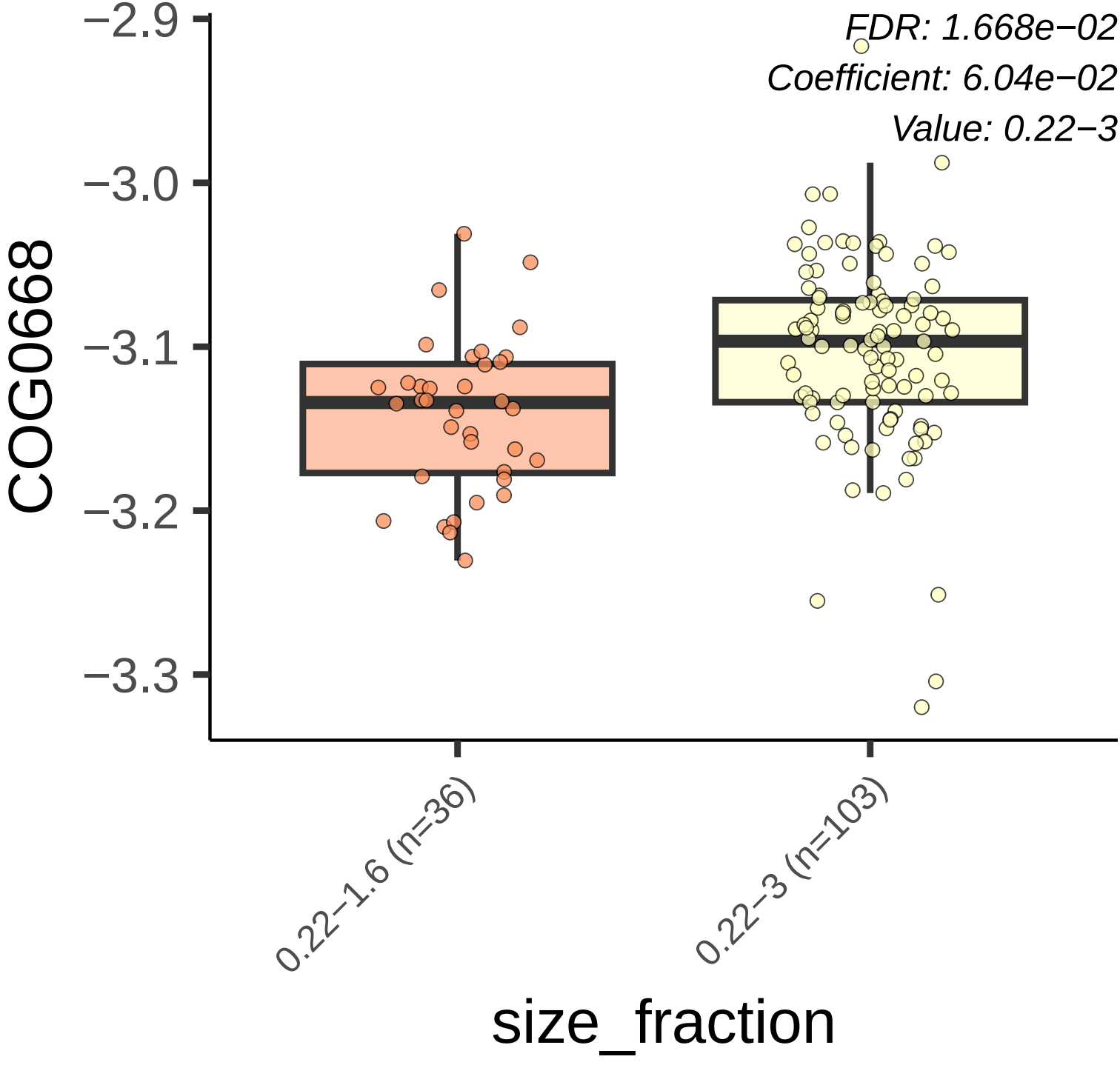
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction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Coefficient: 6.04e−02
Value: 0.22−3
COG0668
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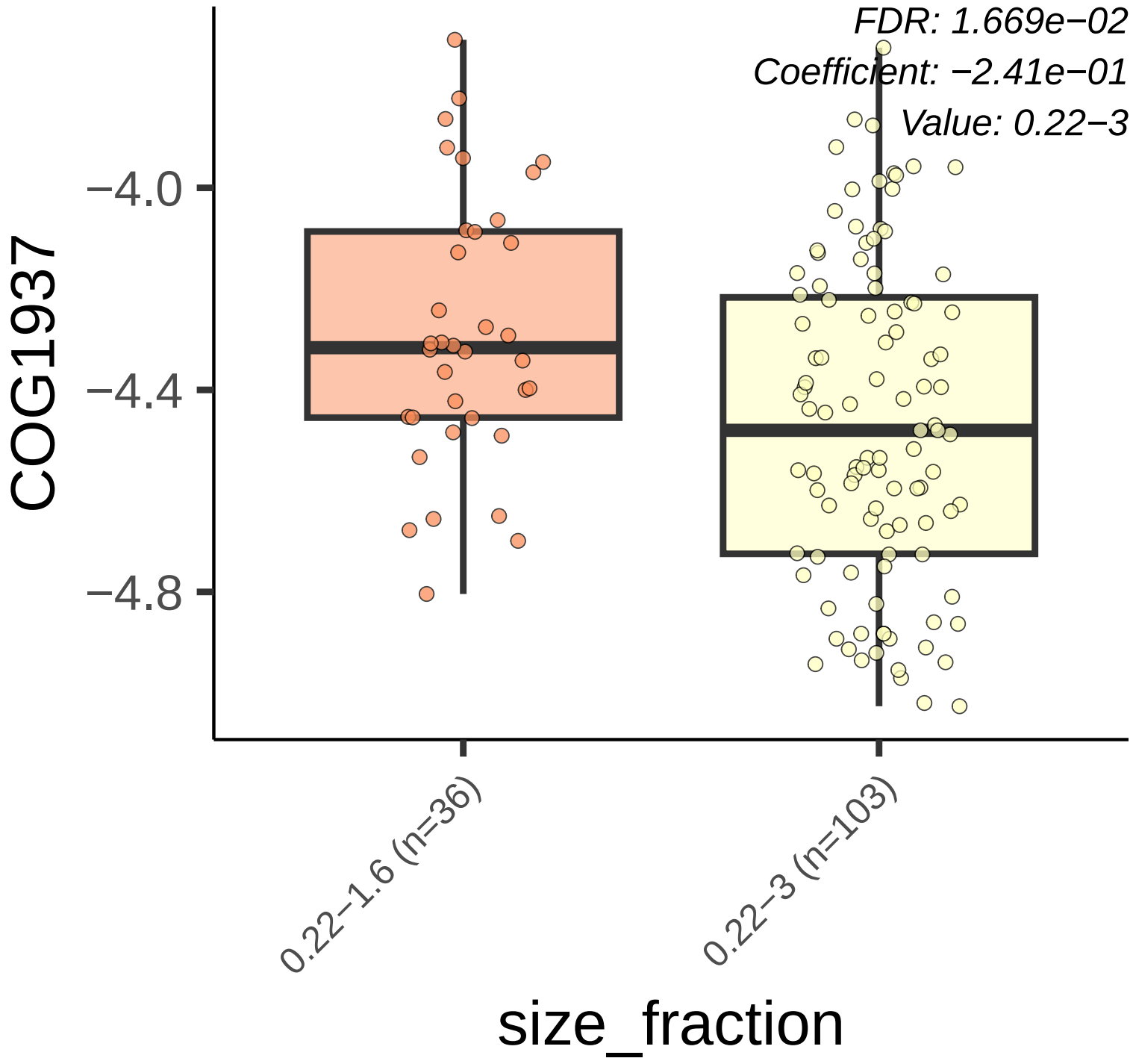
−3.3
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction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Coefficient: −2.41e−01
Value: 0.22−3
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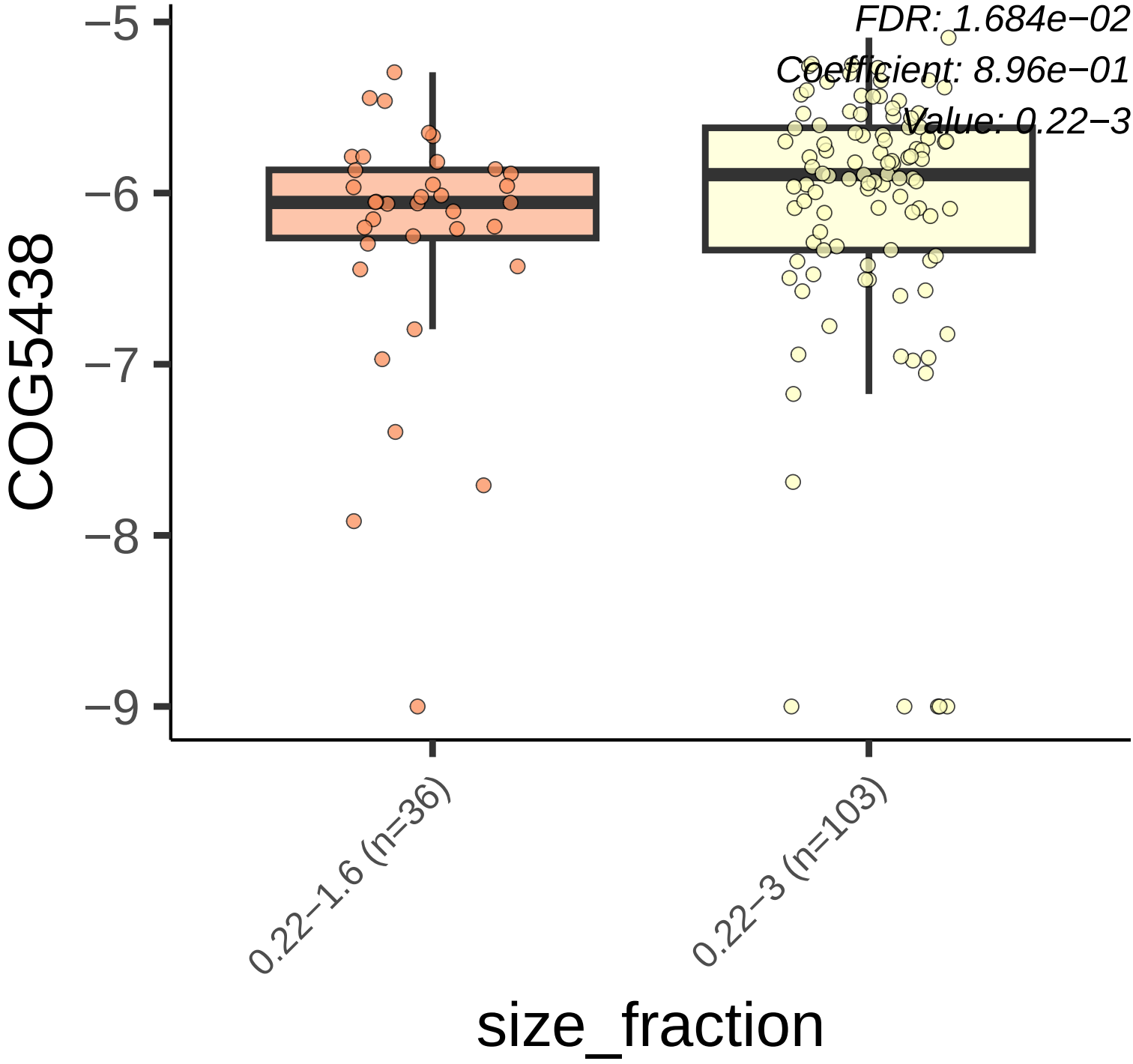
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction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Coefficient: 8.96e−01
Value: 0.22−3
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−5
−6
−7
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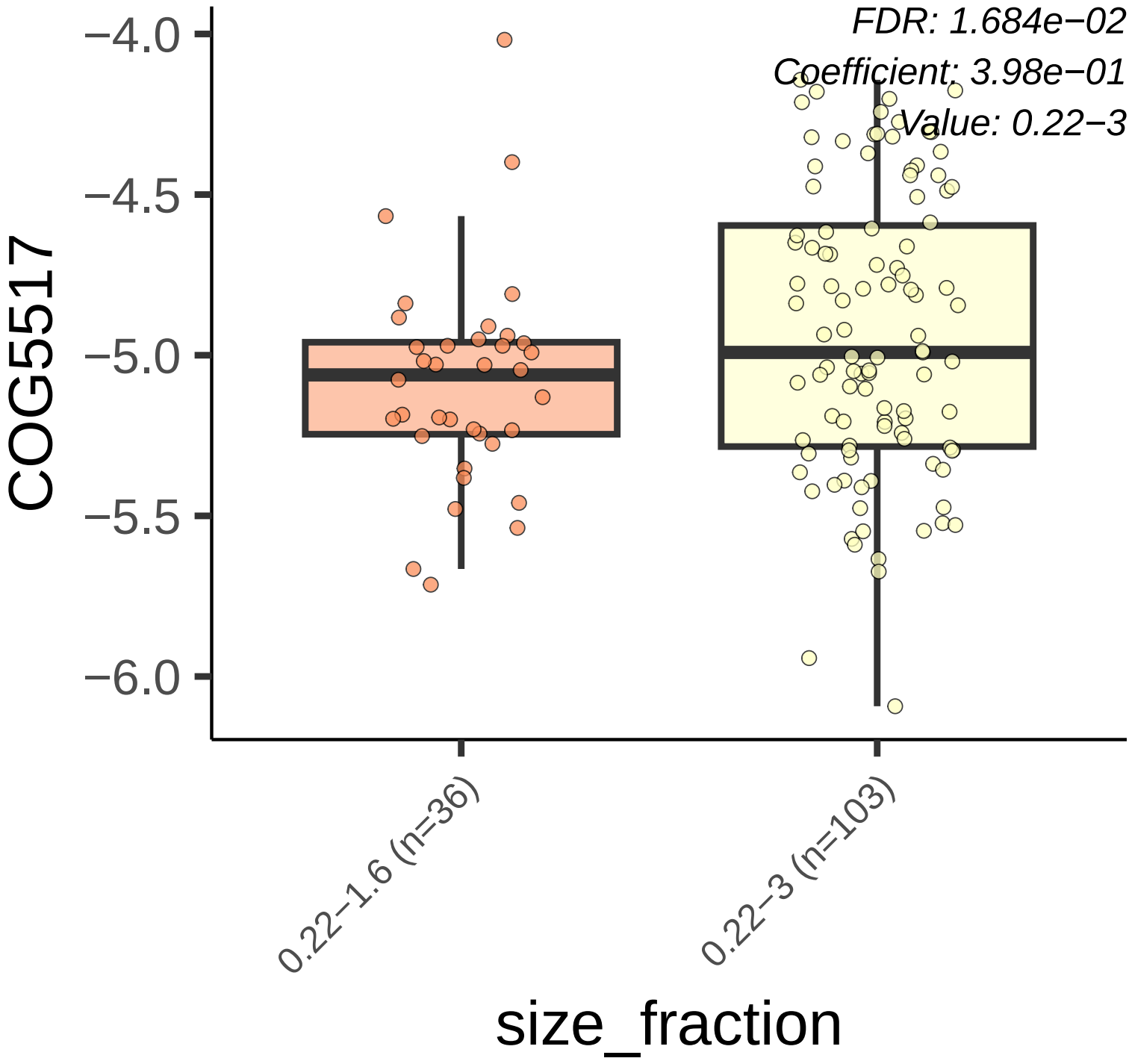
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction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Coefficient: 3.98e−01
Value: 0.22−3
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−4.5
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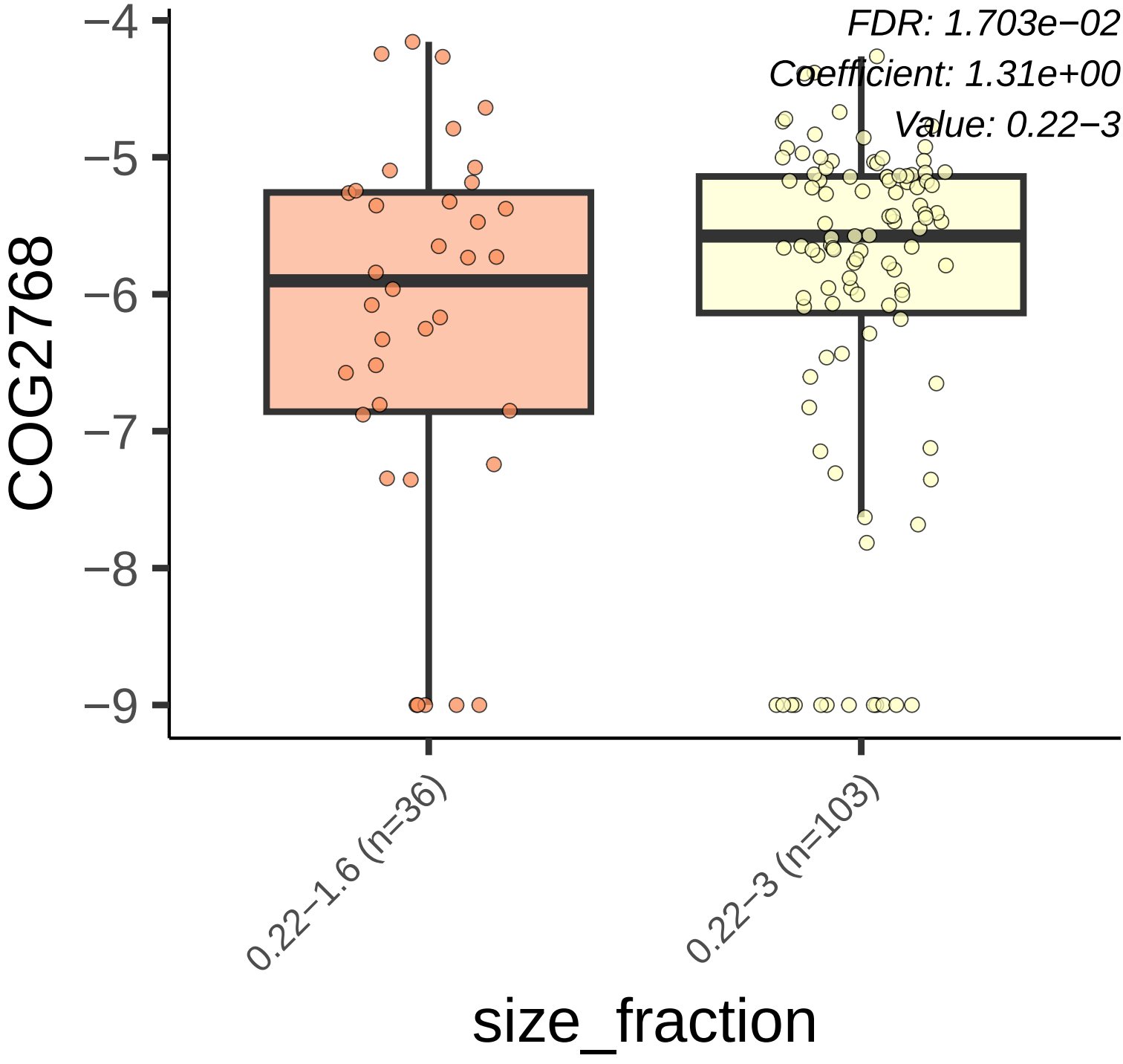
COG5517
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction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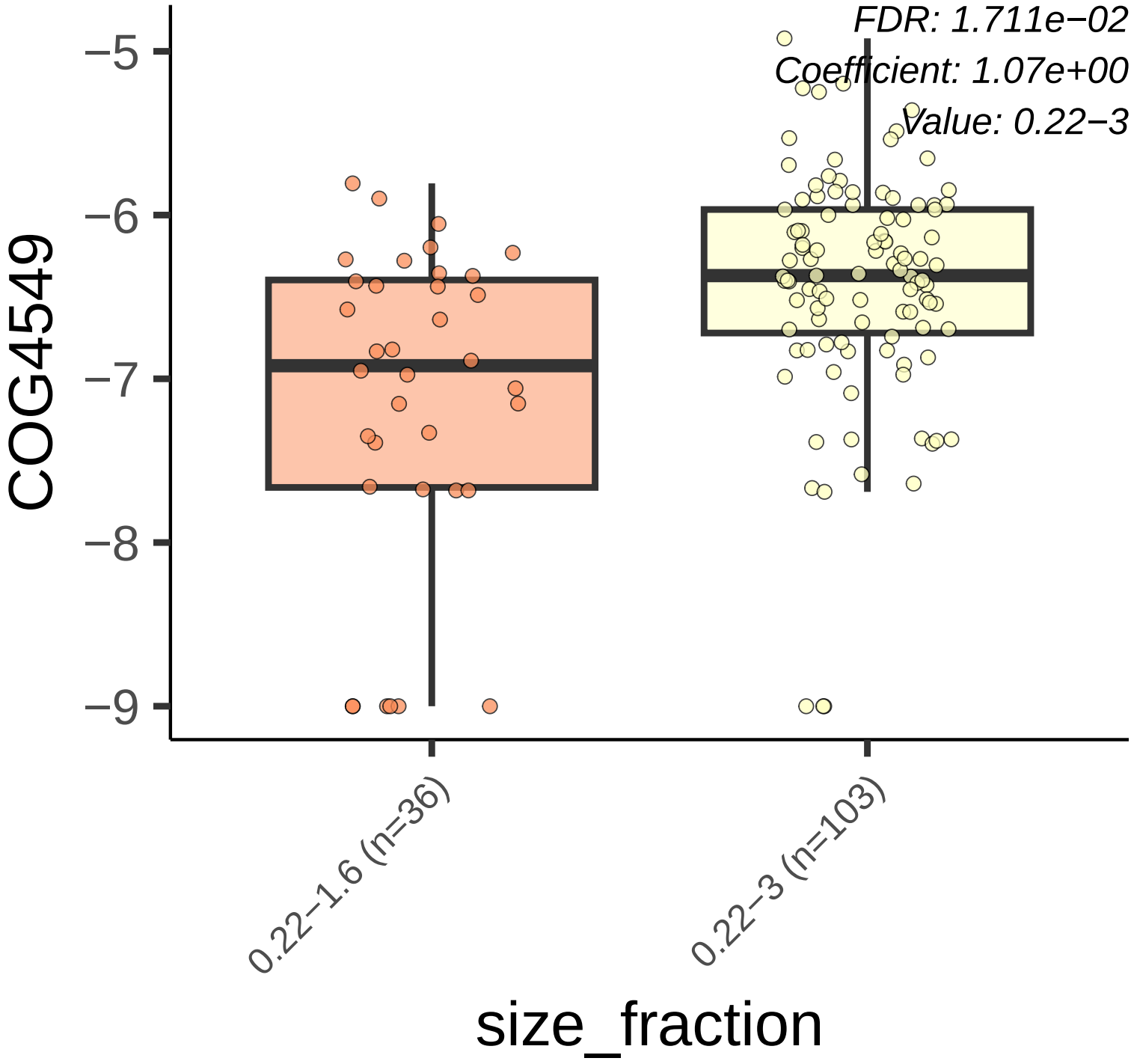
Coefficient: 1.31e+00
Value: 0.22−3
COG2768
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.711e−02
Coefficient: 1.07e+00
Value: 0.22−3
COG4549
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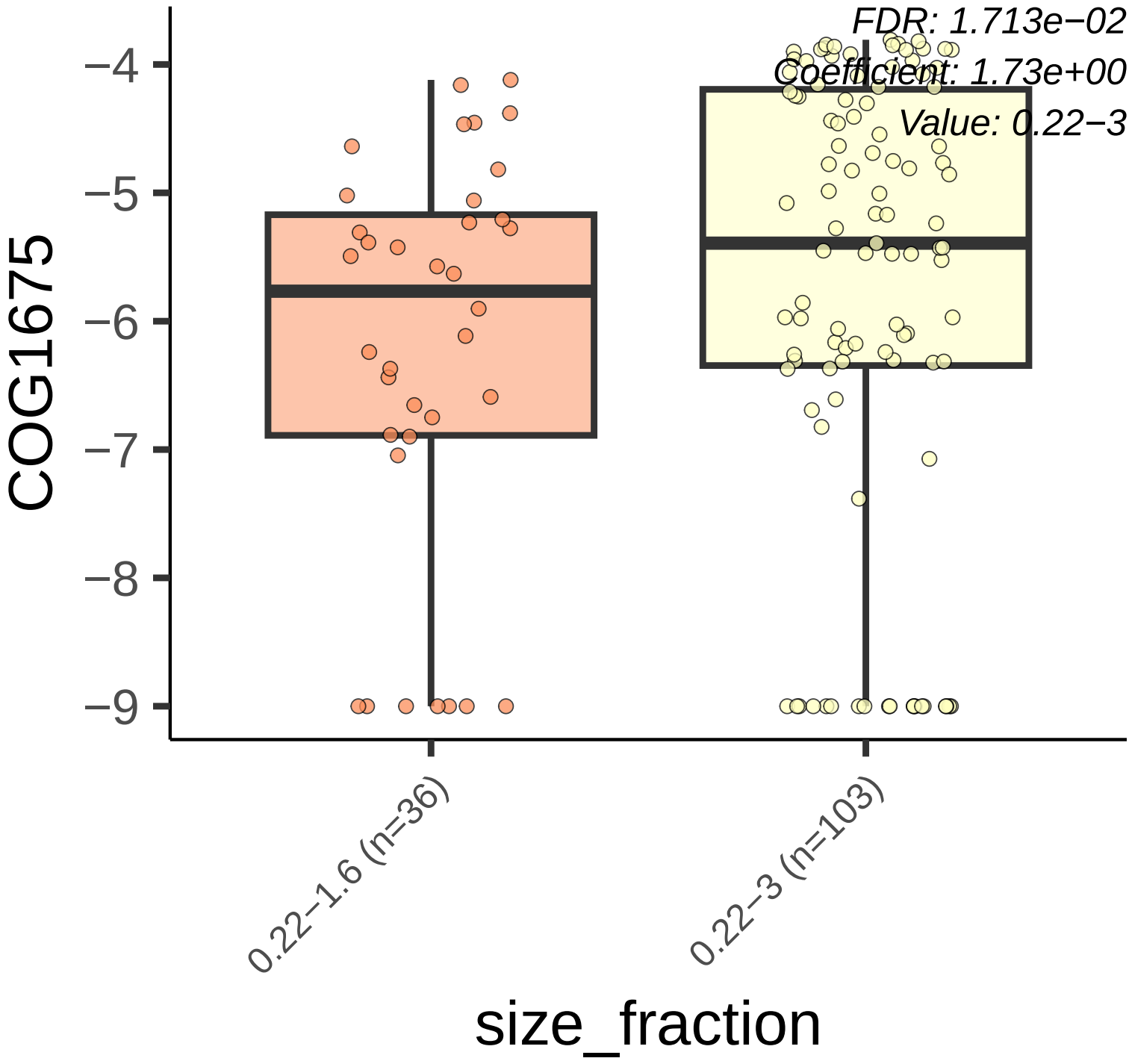
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction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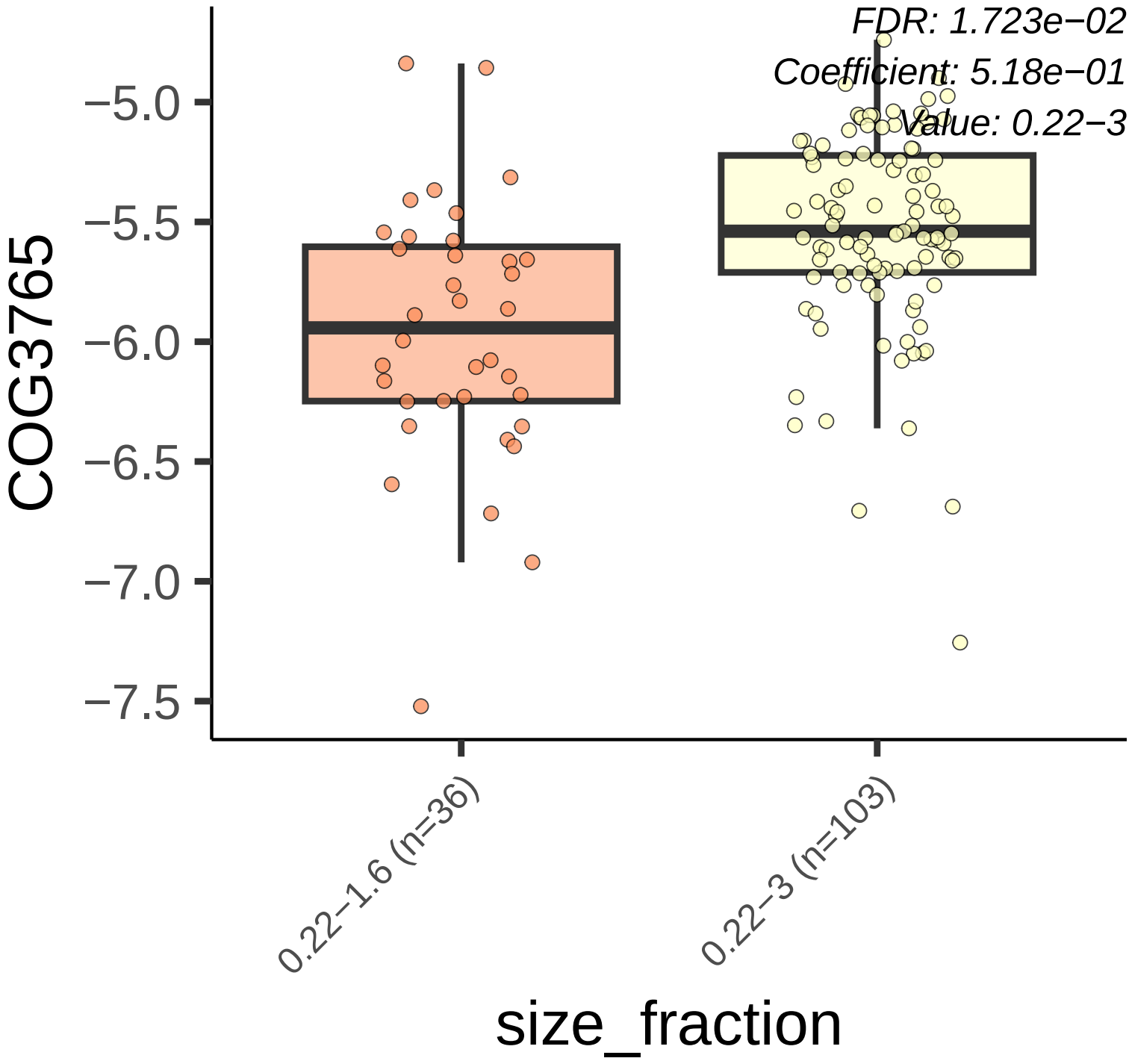
Coefficient: 1.73e+00
Value: 0.22−3
COG1675
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction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Coefficient: 5.18e−01
Value: 0.22−3
COG3765
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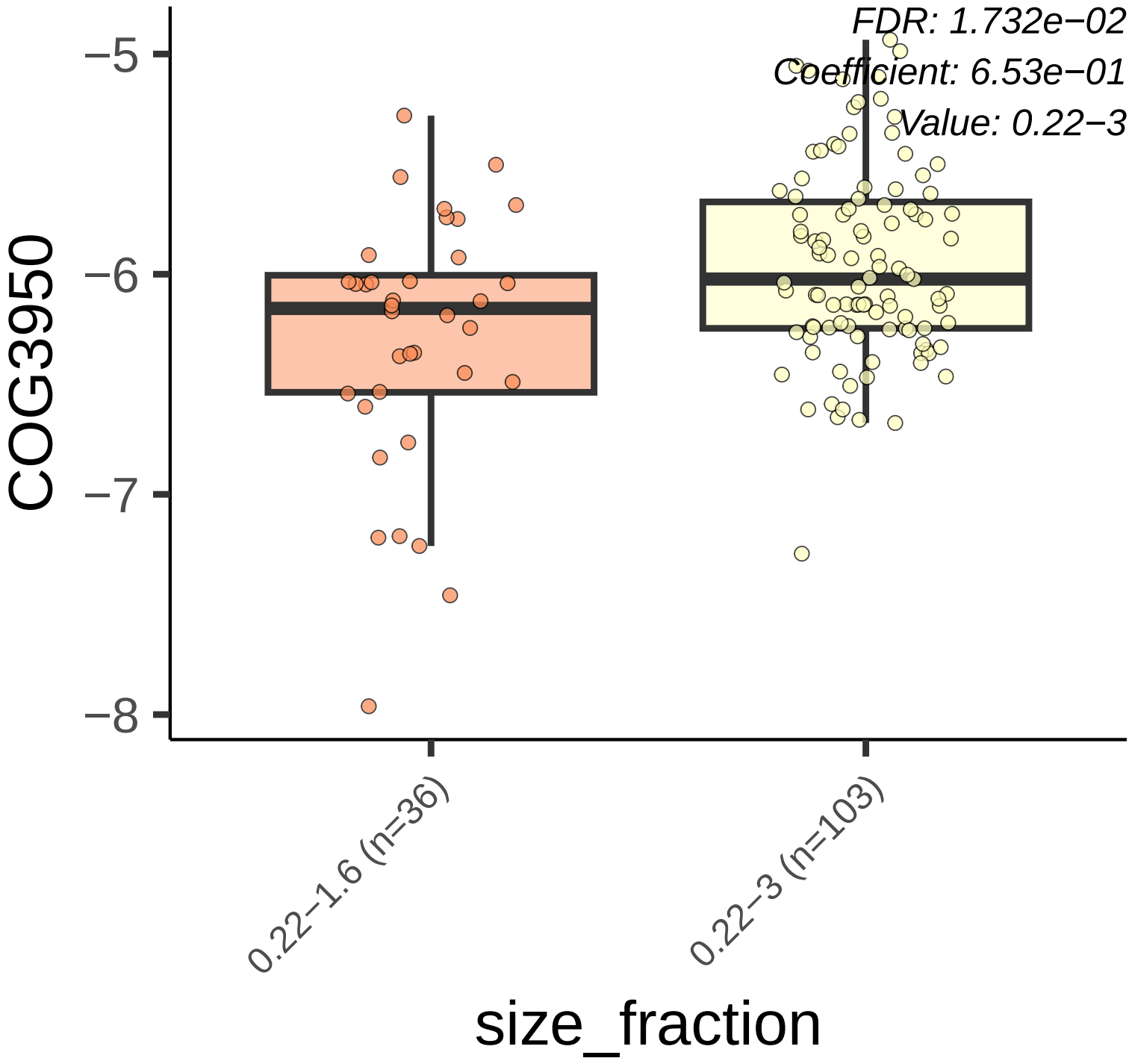
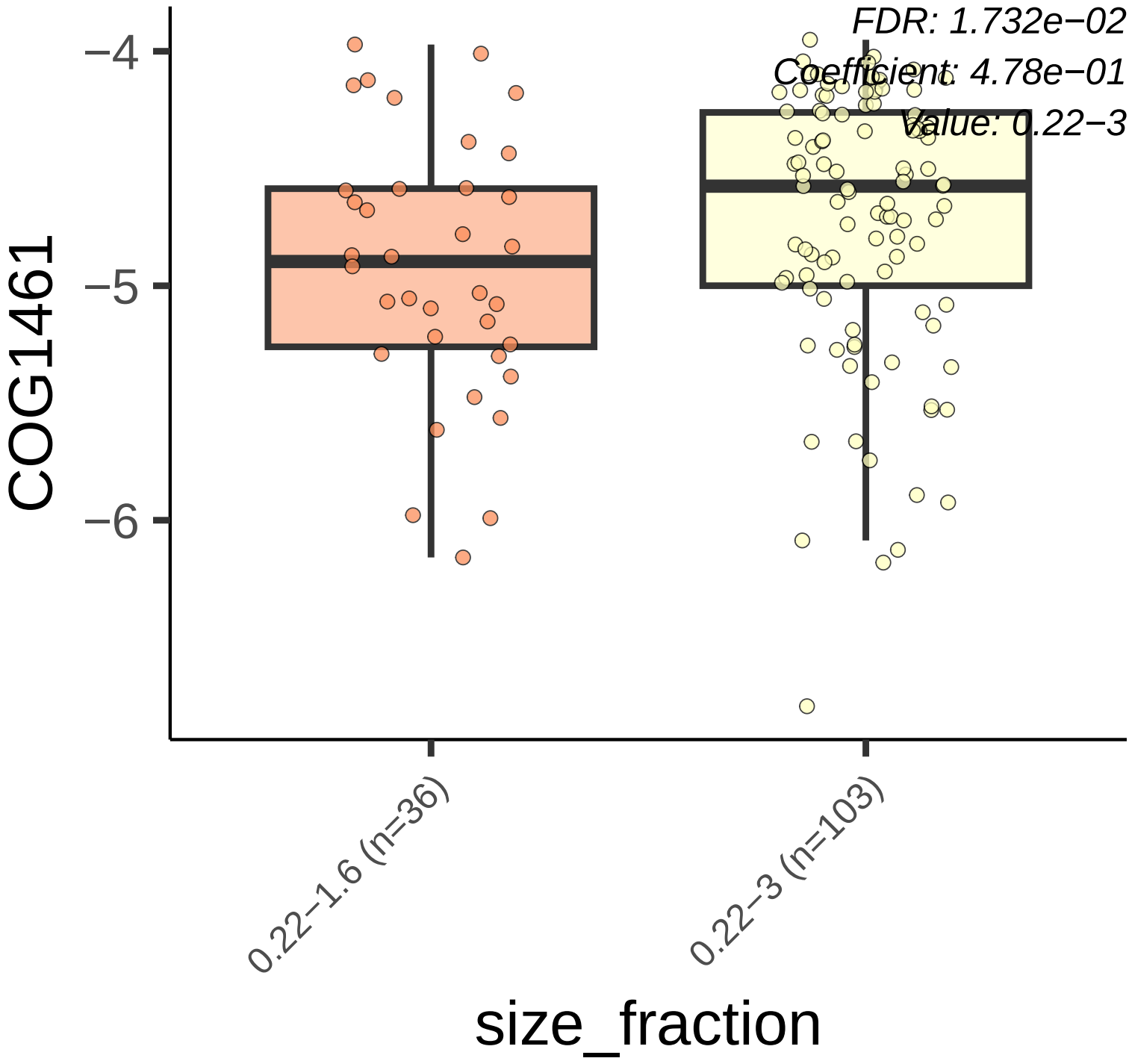
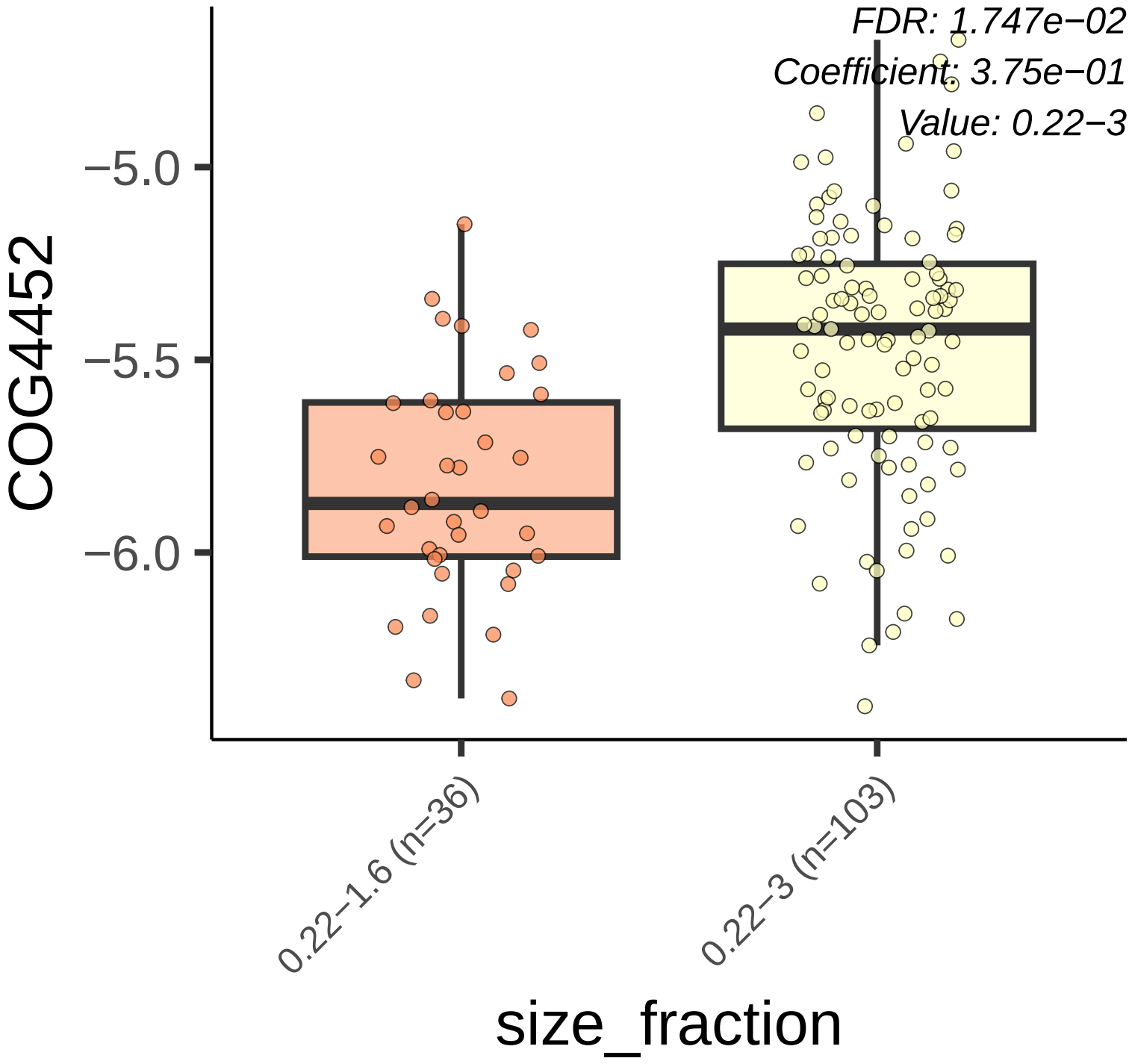
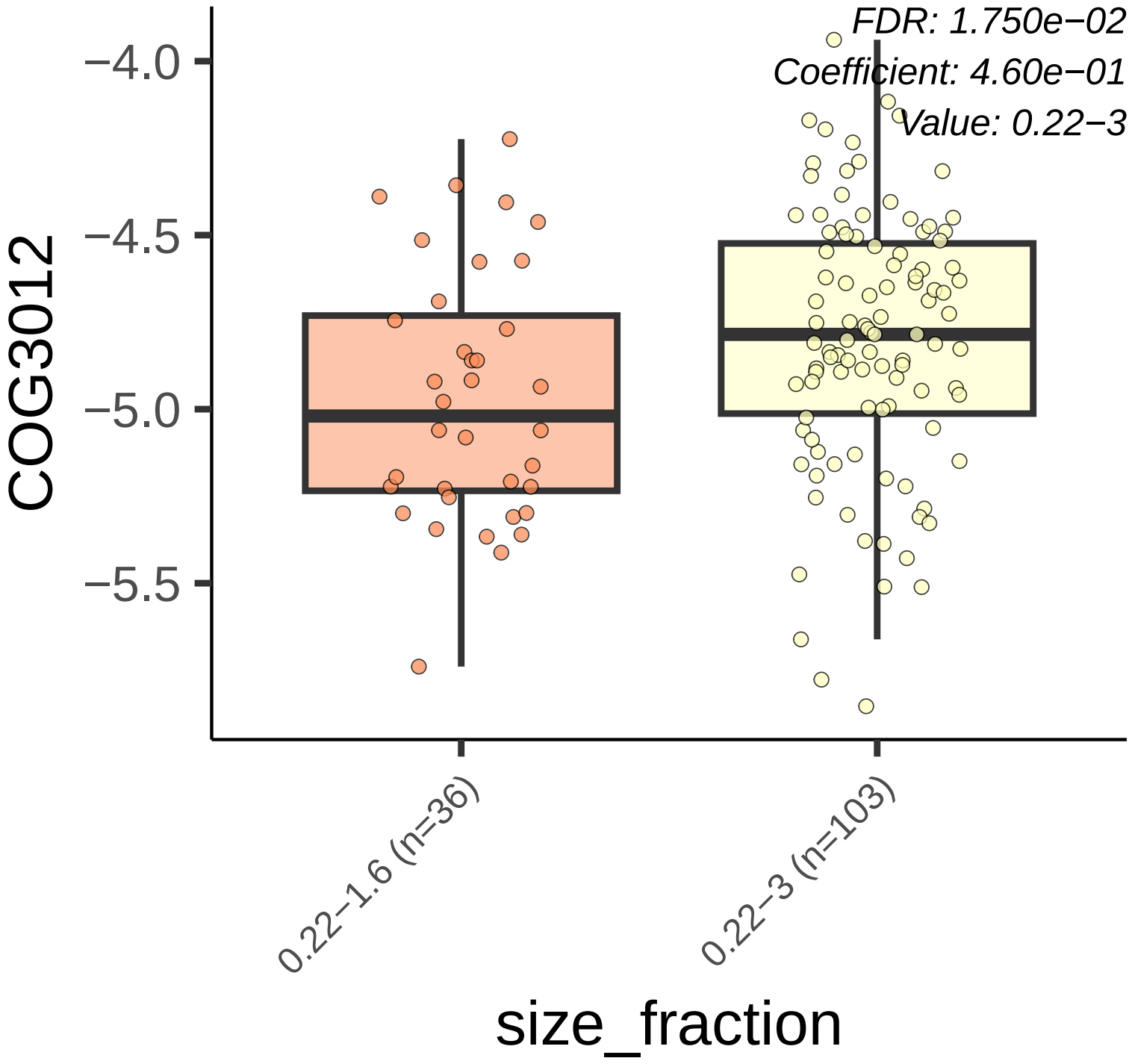
−7.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.732e−02
Coefficient: 6.53e−01
Value: 0.22−3
COG3950
−5
−6
−7
−8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.732e−02
Coefficient: 4.78e−01
Value: 0.22−3
COG1461
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.747e−02
Coefficient: 3.75e−01
Value: 0.22−3
COG4452
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.750e−02
Coefficient: 4.60e−01
Value: 0.22−3
−4.0
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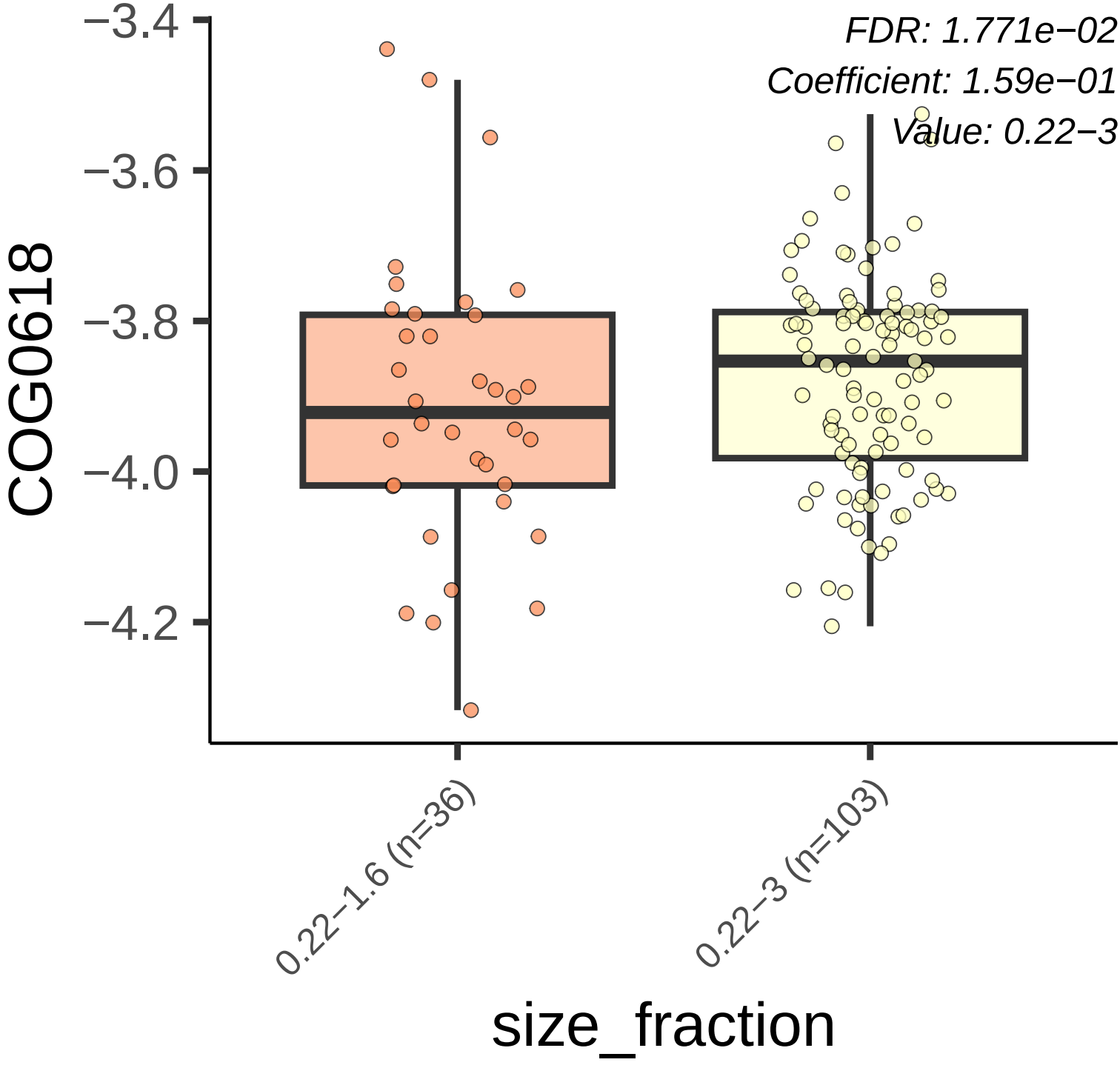
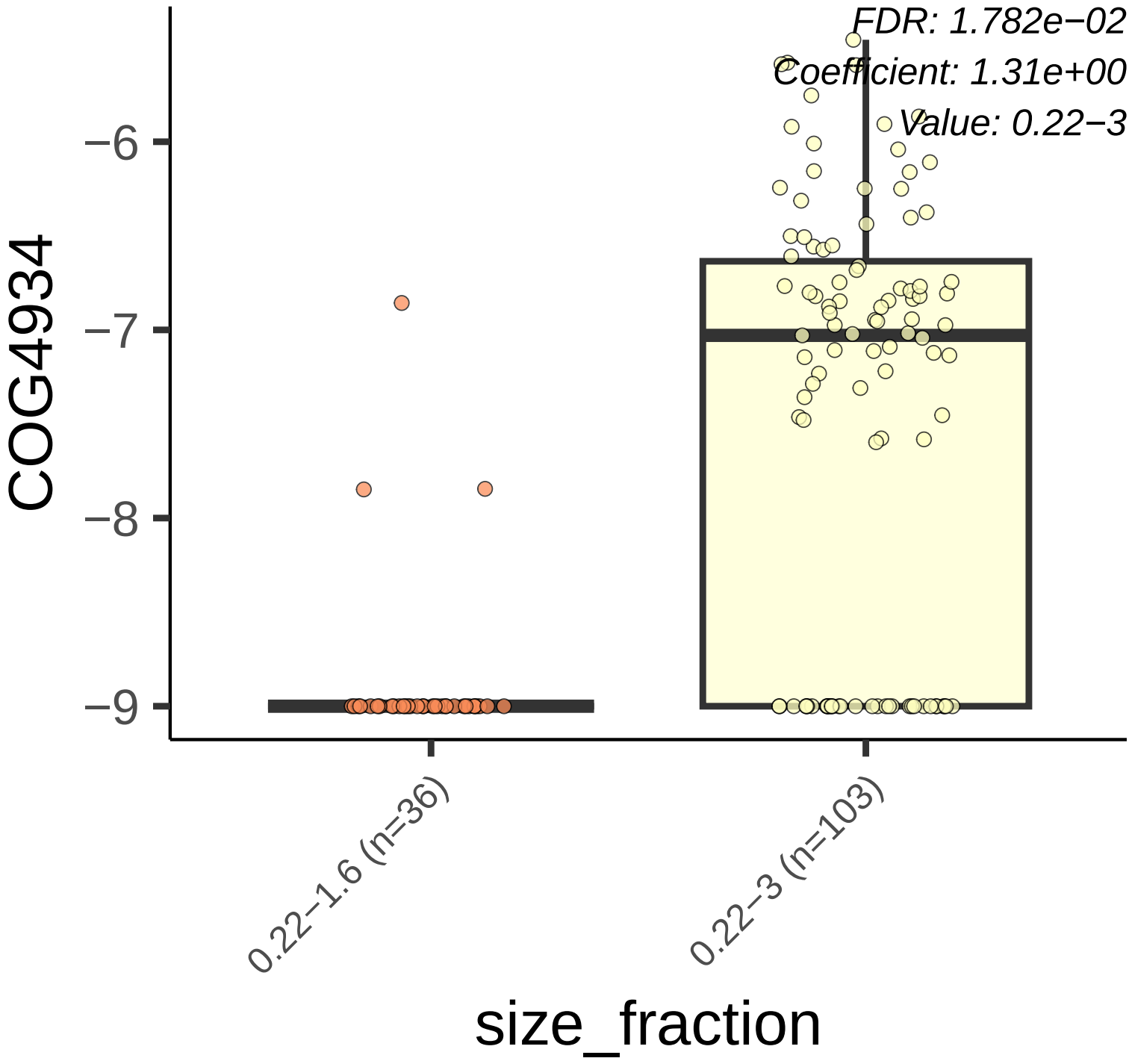
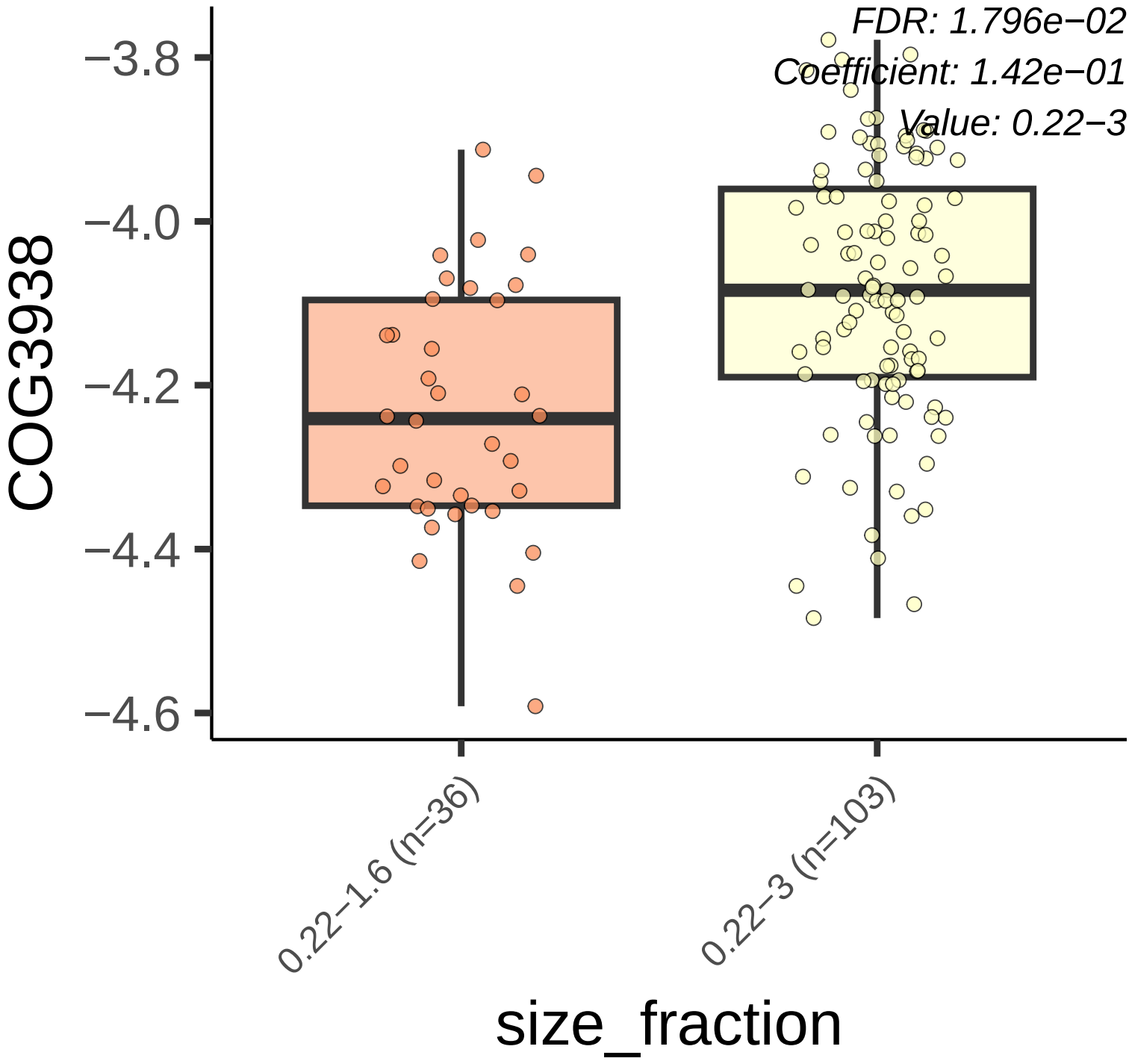
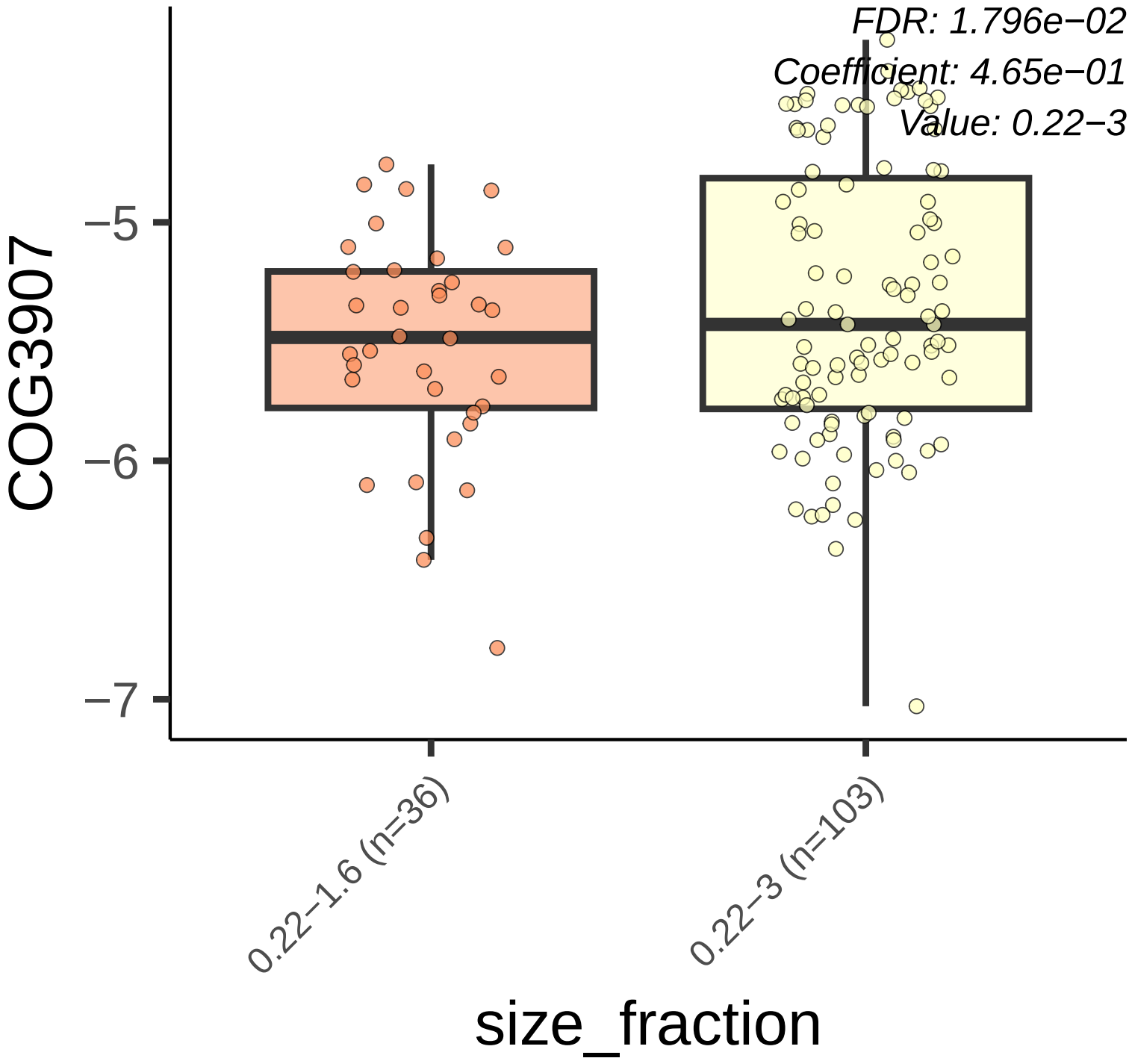
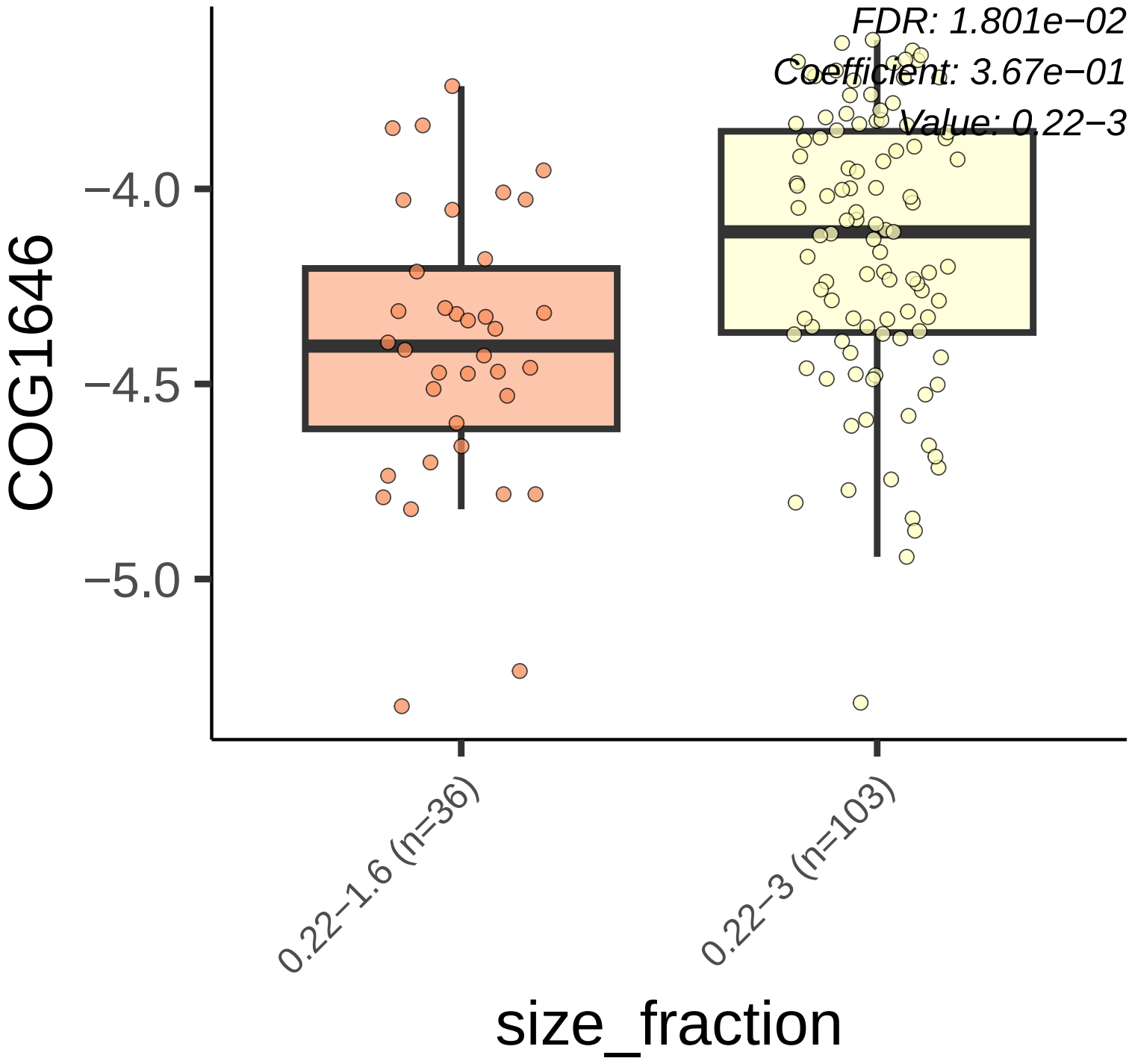
−5.0
−5.5
COG3012
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

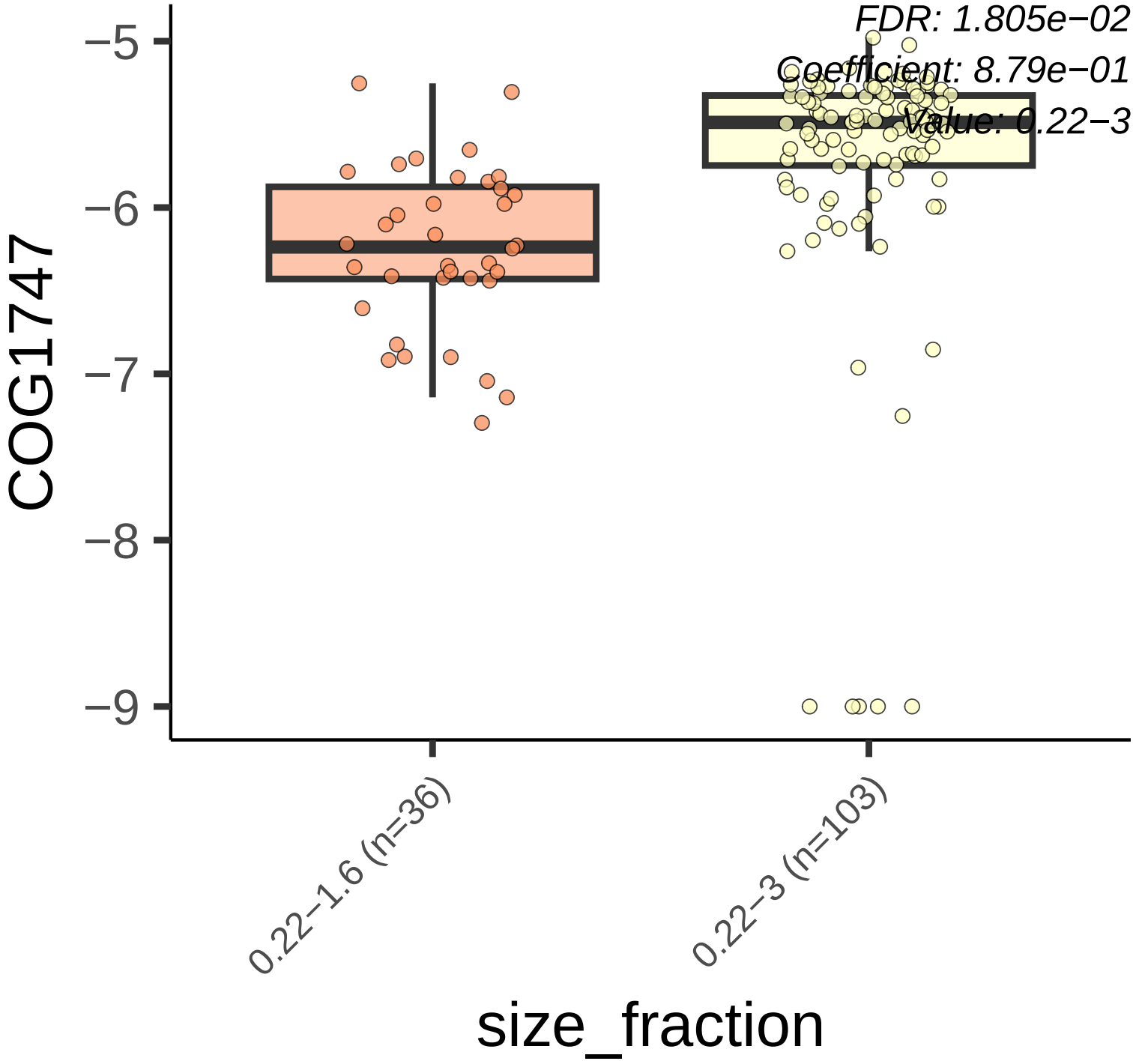

FDR: 1.771e−02
Coefficient: 1.59e−01
Value: 0.22−3
COG0618
−3.4
−3.6
−3.8
−4.0
−4.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

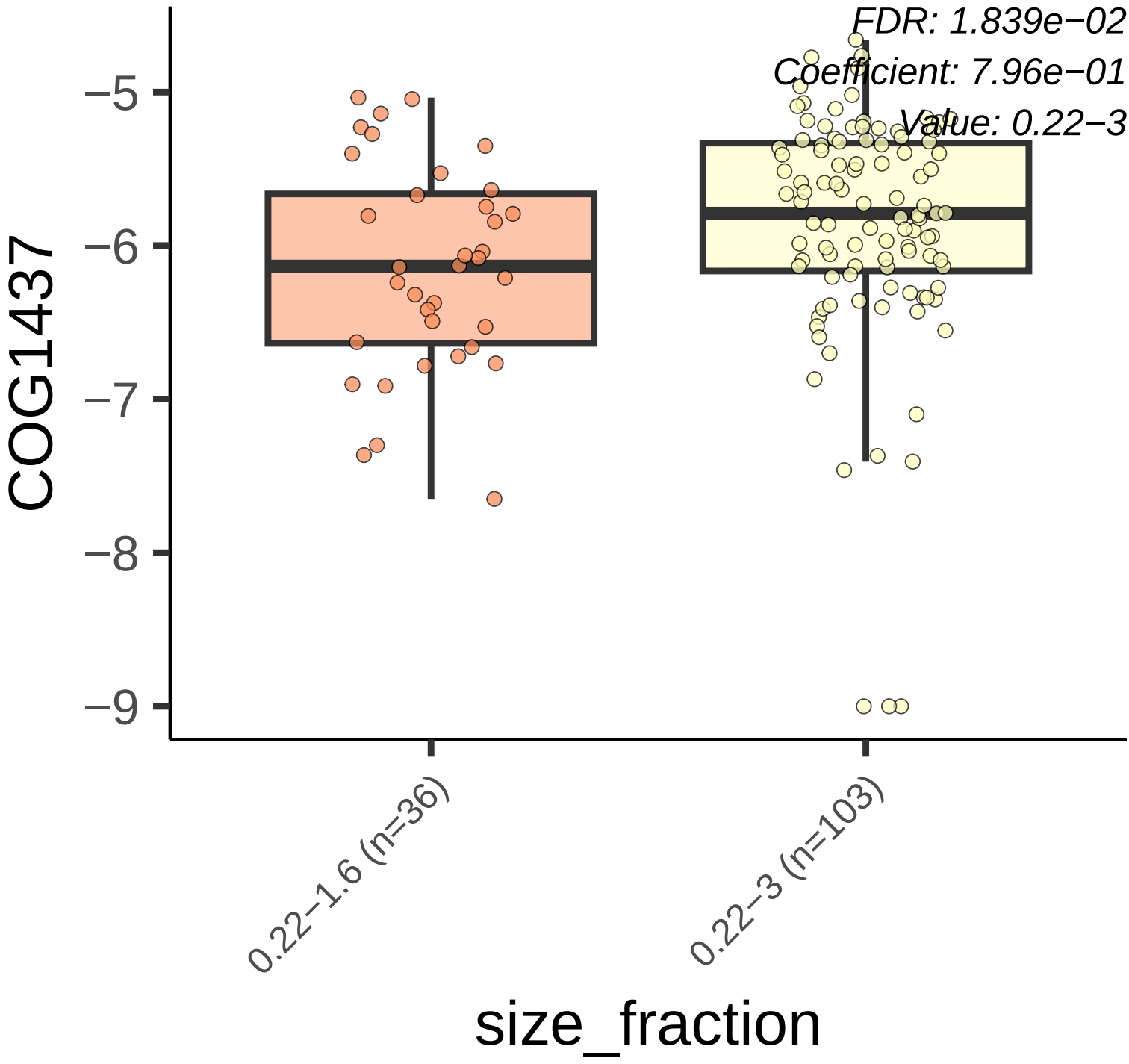

FDR: 1.782e−02
Coefficient: 1.31e+00
Value: 0.22−3
COG4934
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

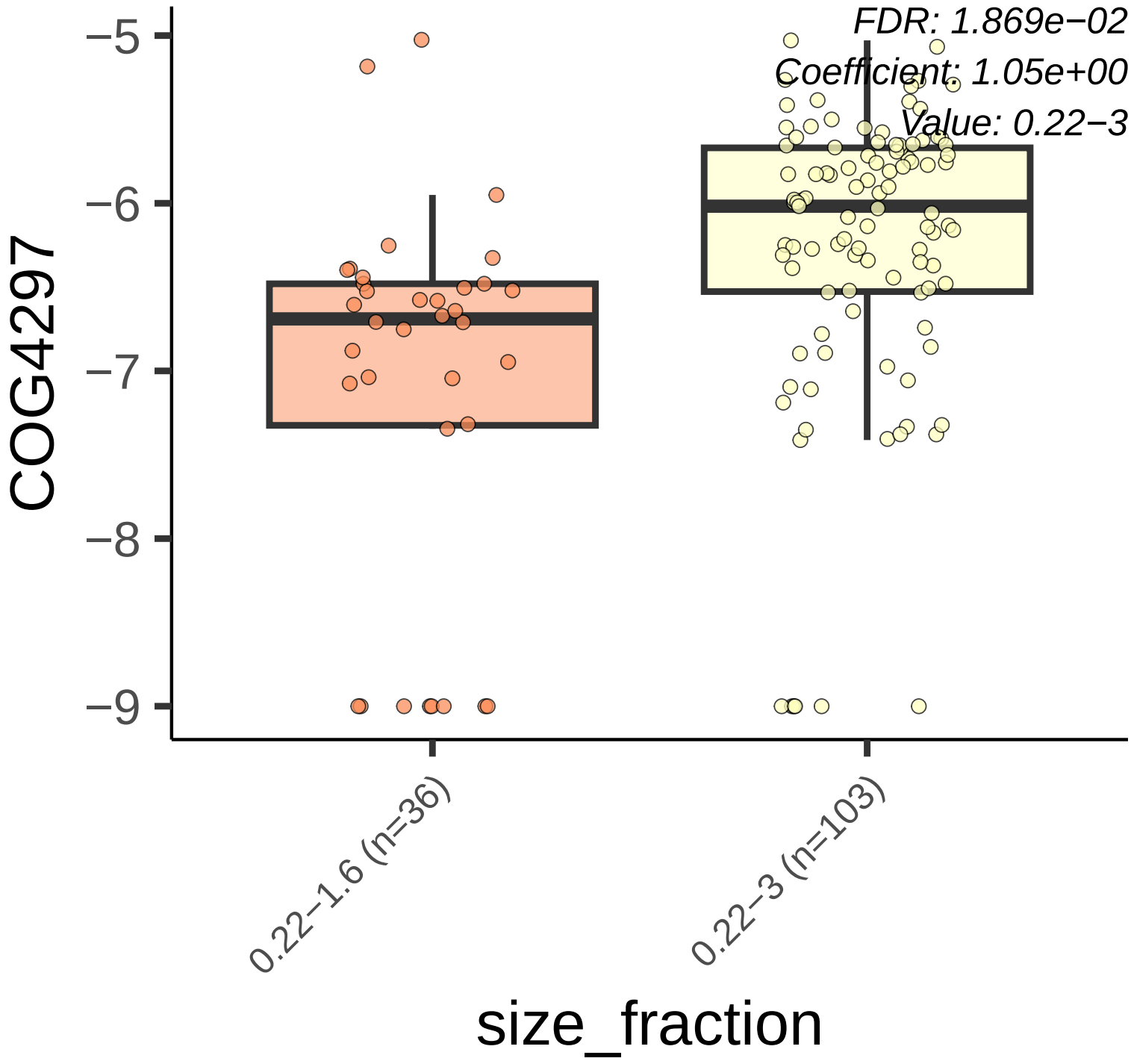

FDR: 1.796e−02
Coefficient: 1.42e−01
Value: 0.22−3
COG3938
−3.8
−4.0
−4.2
−4.4
−4.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

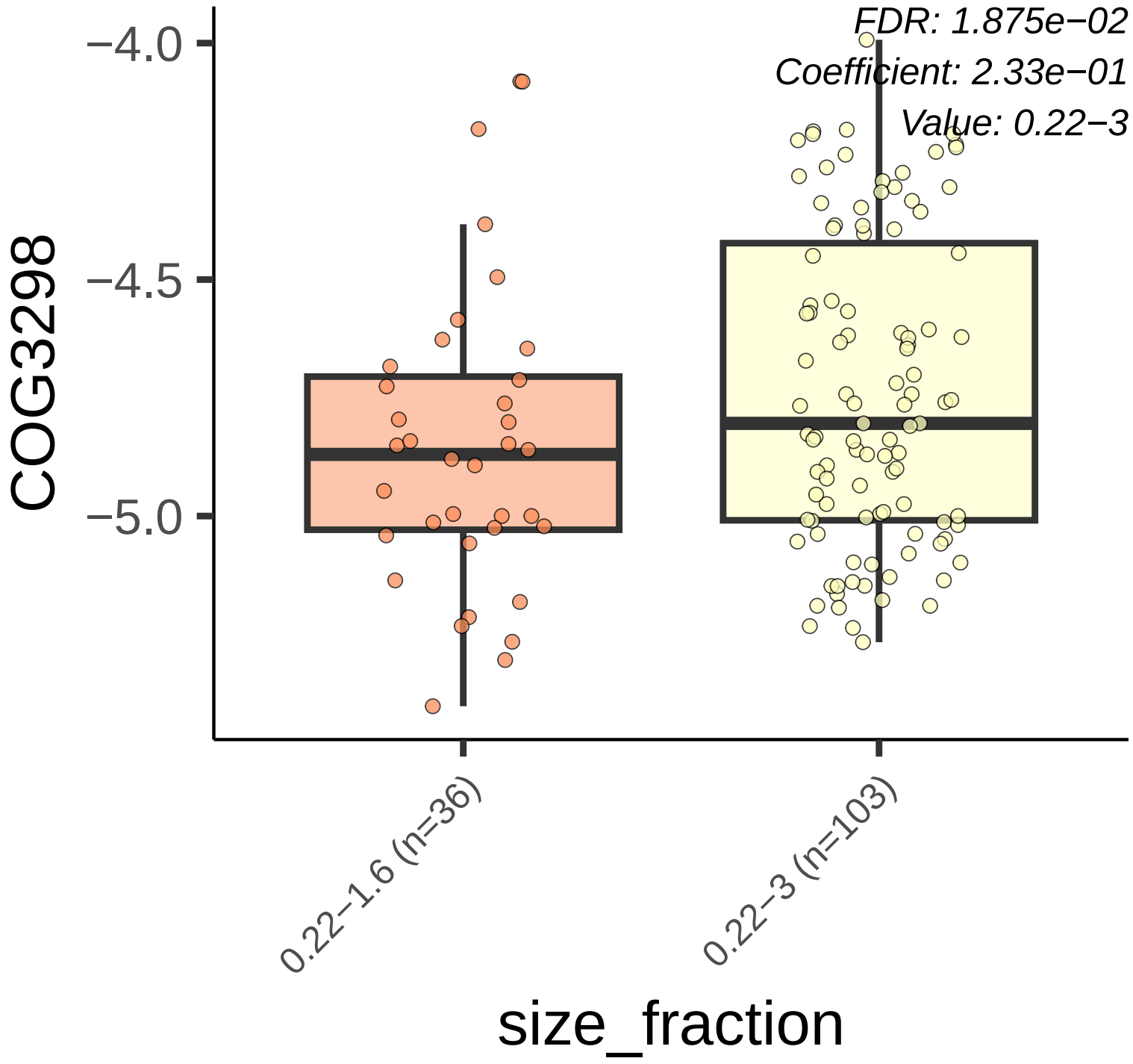

FDR: 1.796e−02
Coefficient: 4.65e−01
Value: 0.22−3
COG3907
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

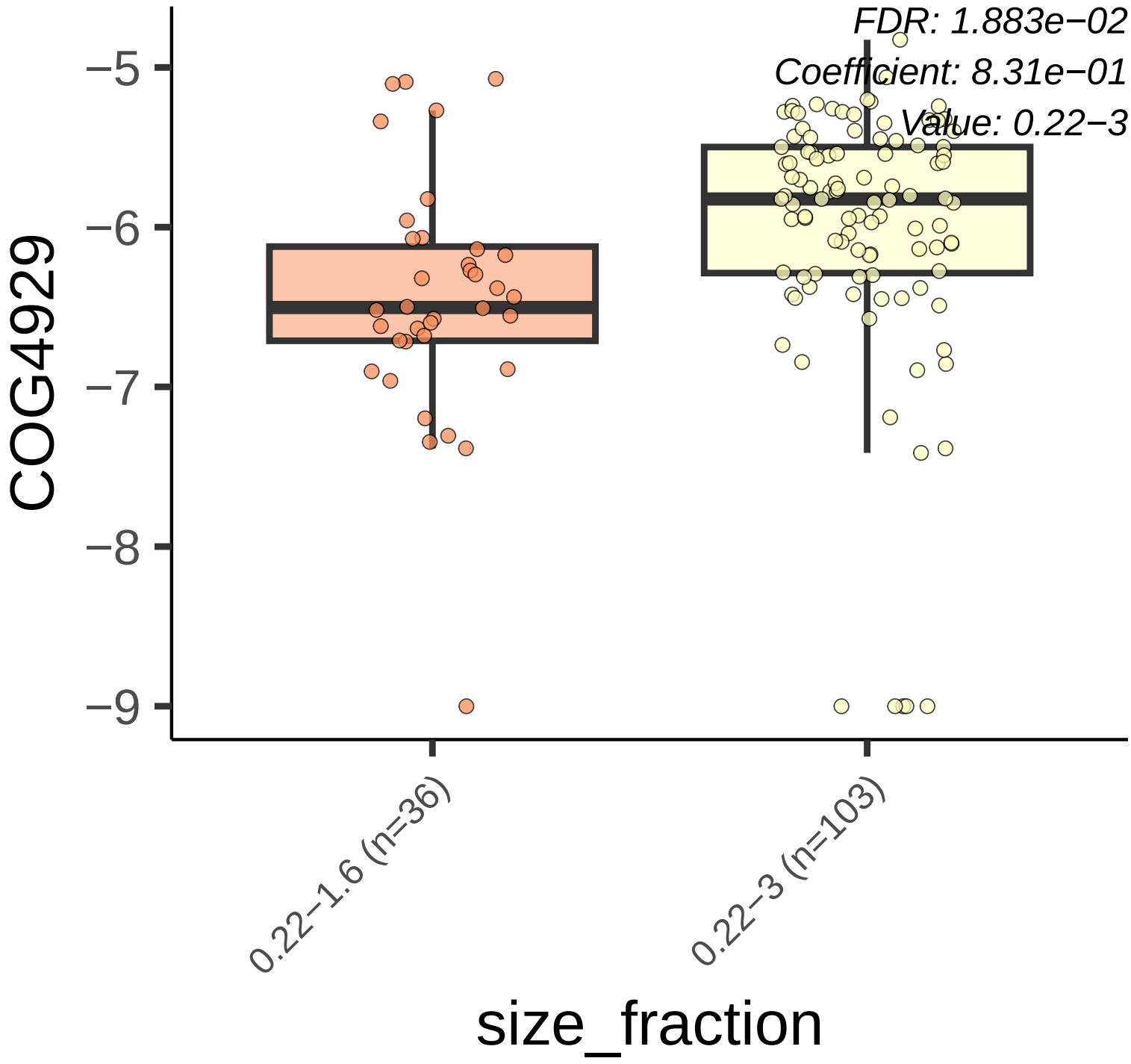

FDR: 1.801e−02
Coefficient: 3.67e−01
Value: 0.22−3
COG1646
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

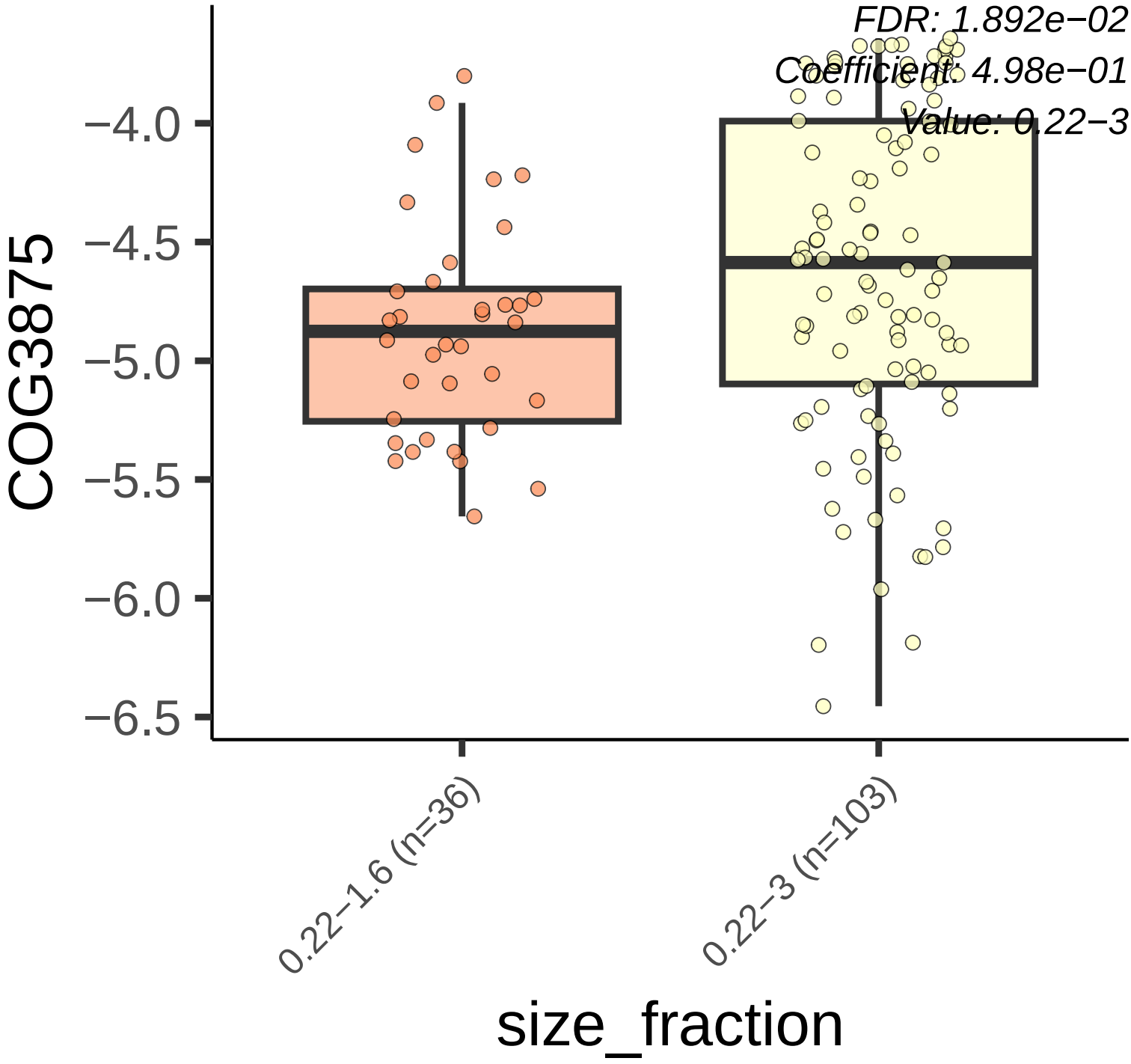

FDR: 1.805e−02
Coefficient: 8.79e−01
Value: 0.22−3
COG1747
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

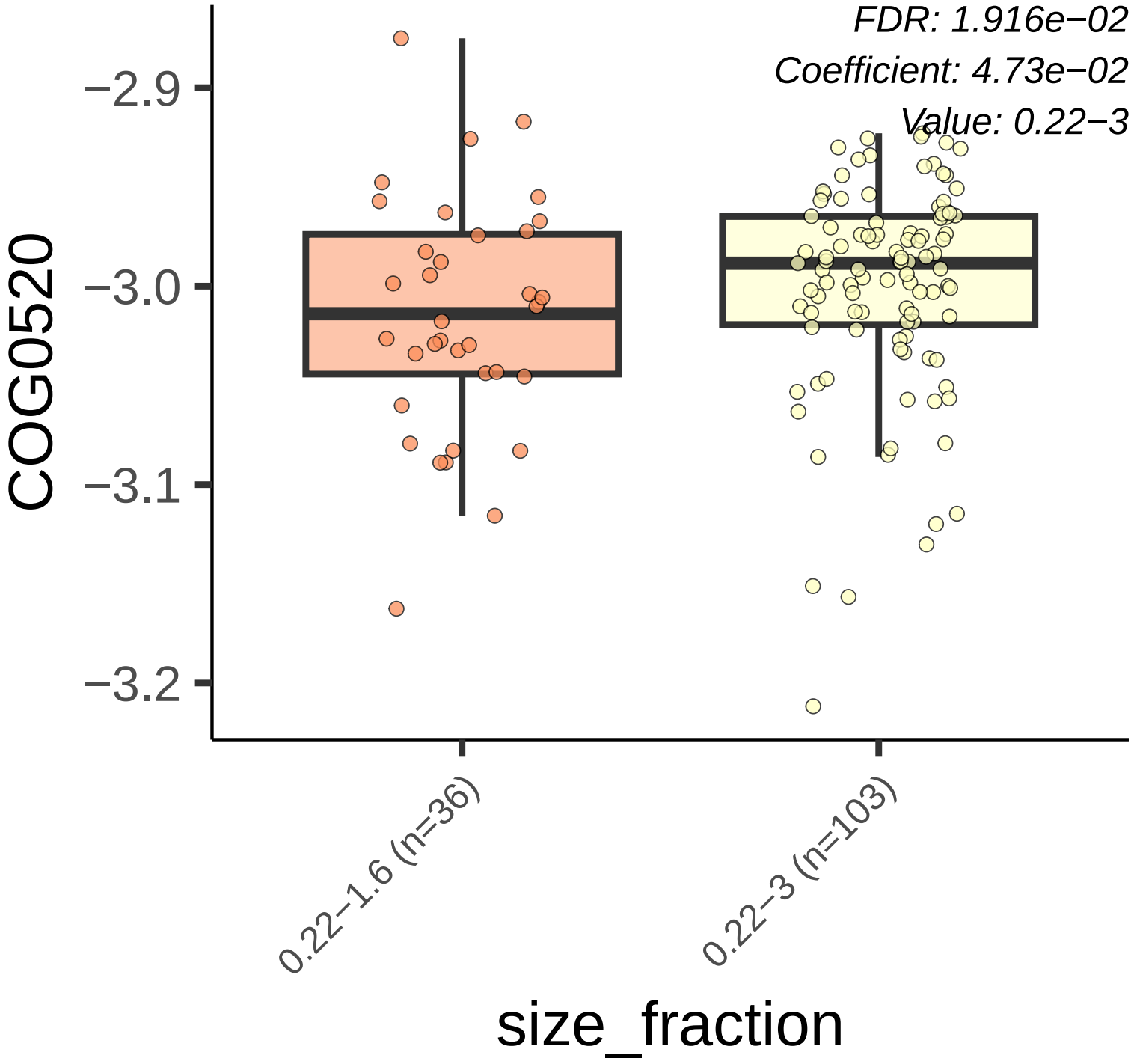

FDR: 1.839e−02
Coefficient: 7.96e−01
Value: 0.22−3
COG1437
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

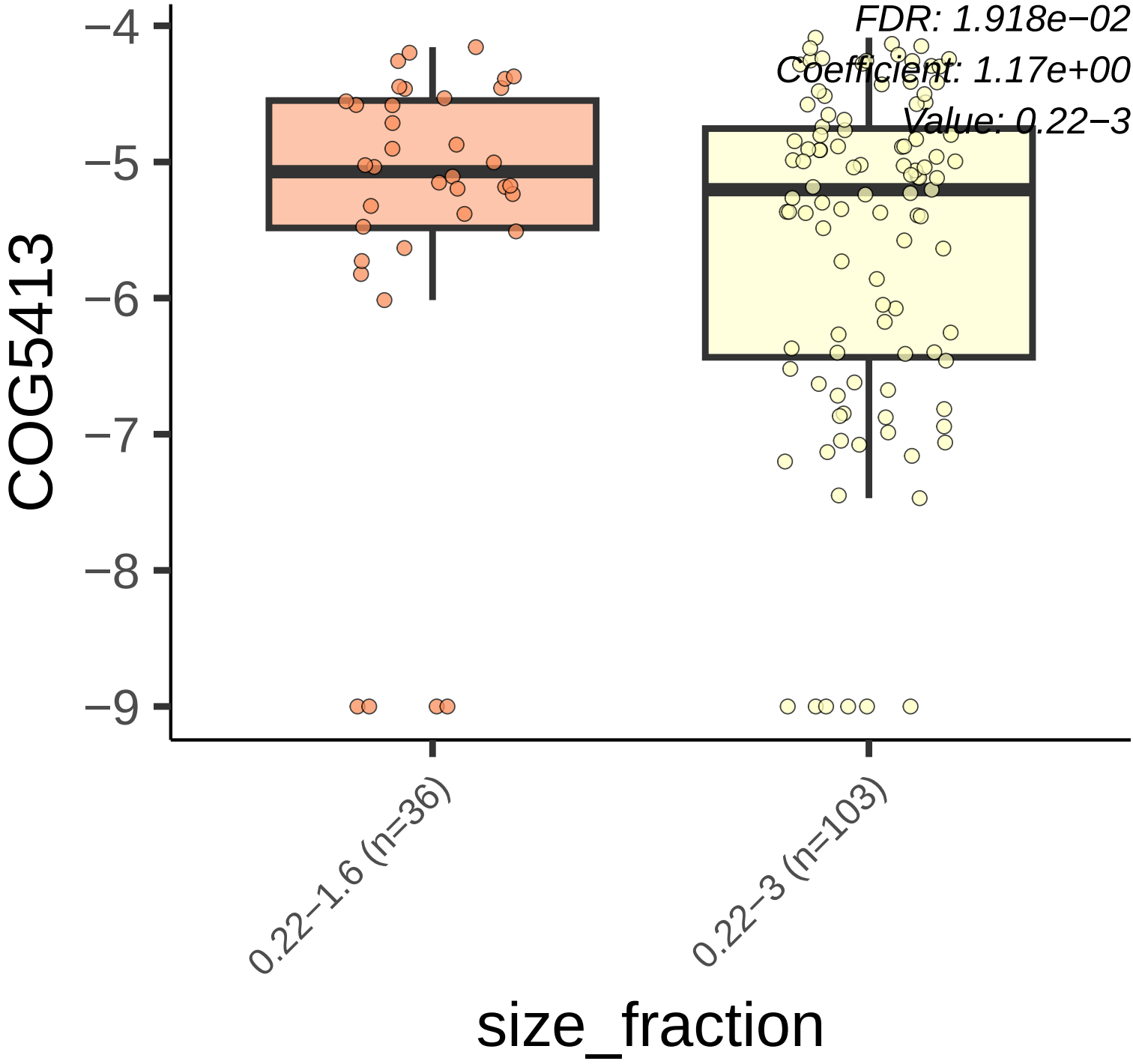

FDR: 1.869e−02
Coefficient: 1.05e+00
Value: 0.22−3
COG4297
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

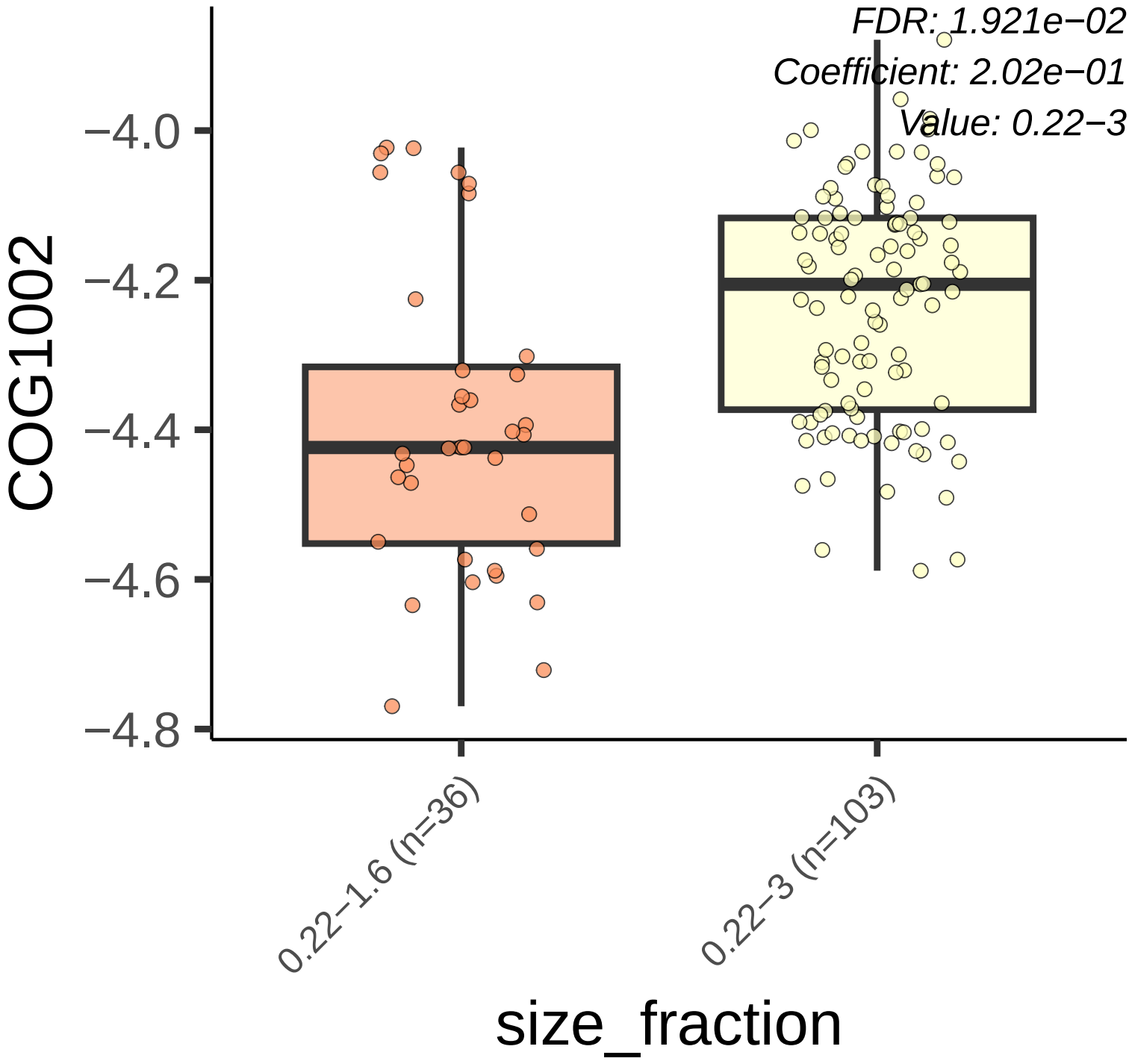

FDR: 1.875e−02
Coefficient: 2.33e−01
Value: 0.22−3
−4.0
−4.5
−5.0
COG3298
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

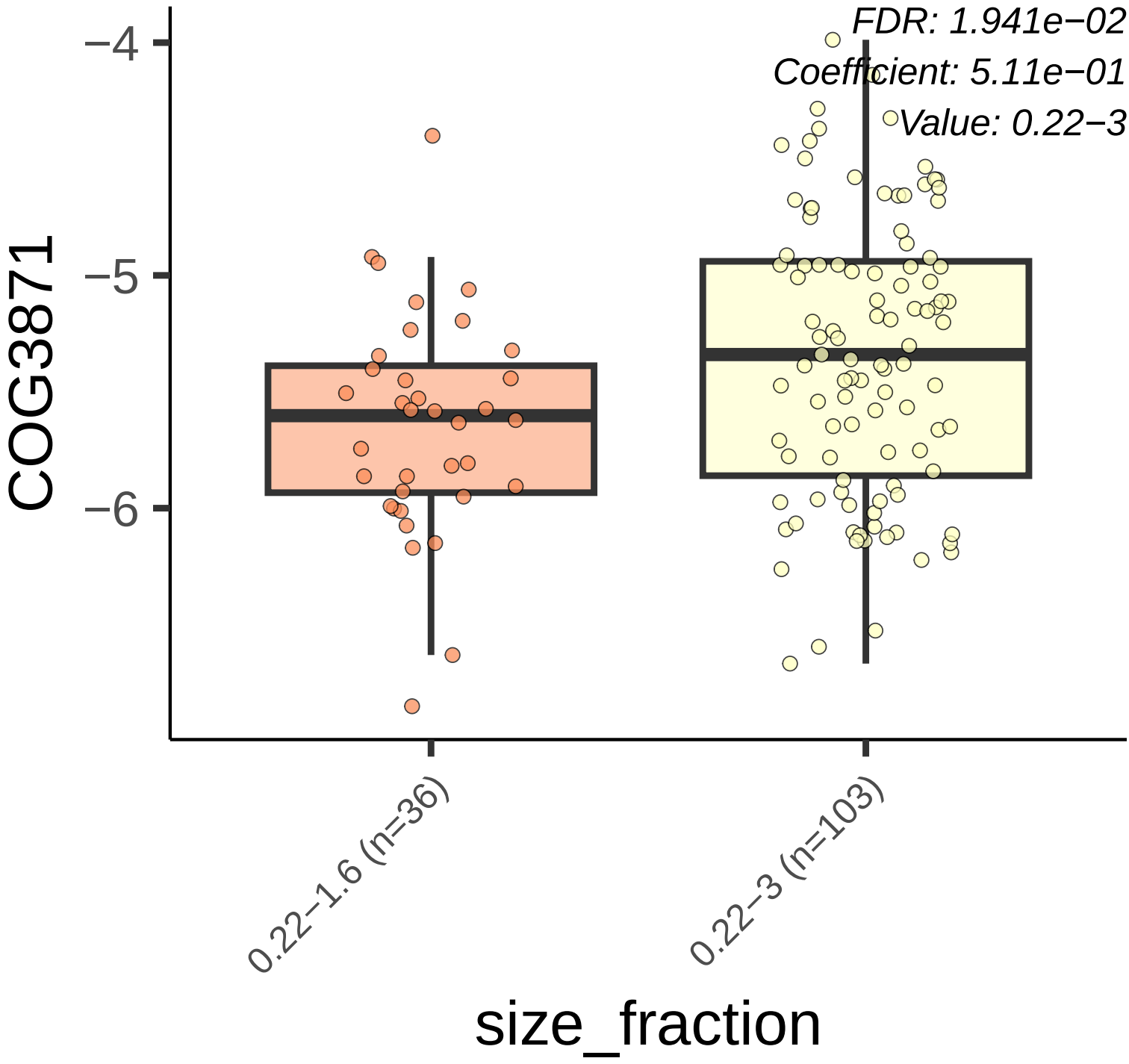

FDR: 1.883e−02
Coefficient: 8.31e−01
Value: 0.22−3
COG4929
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

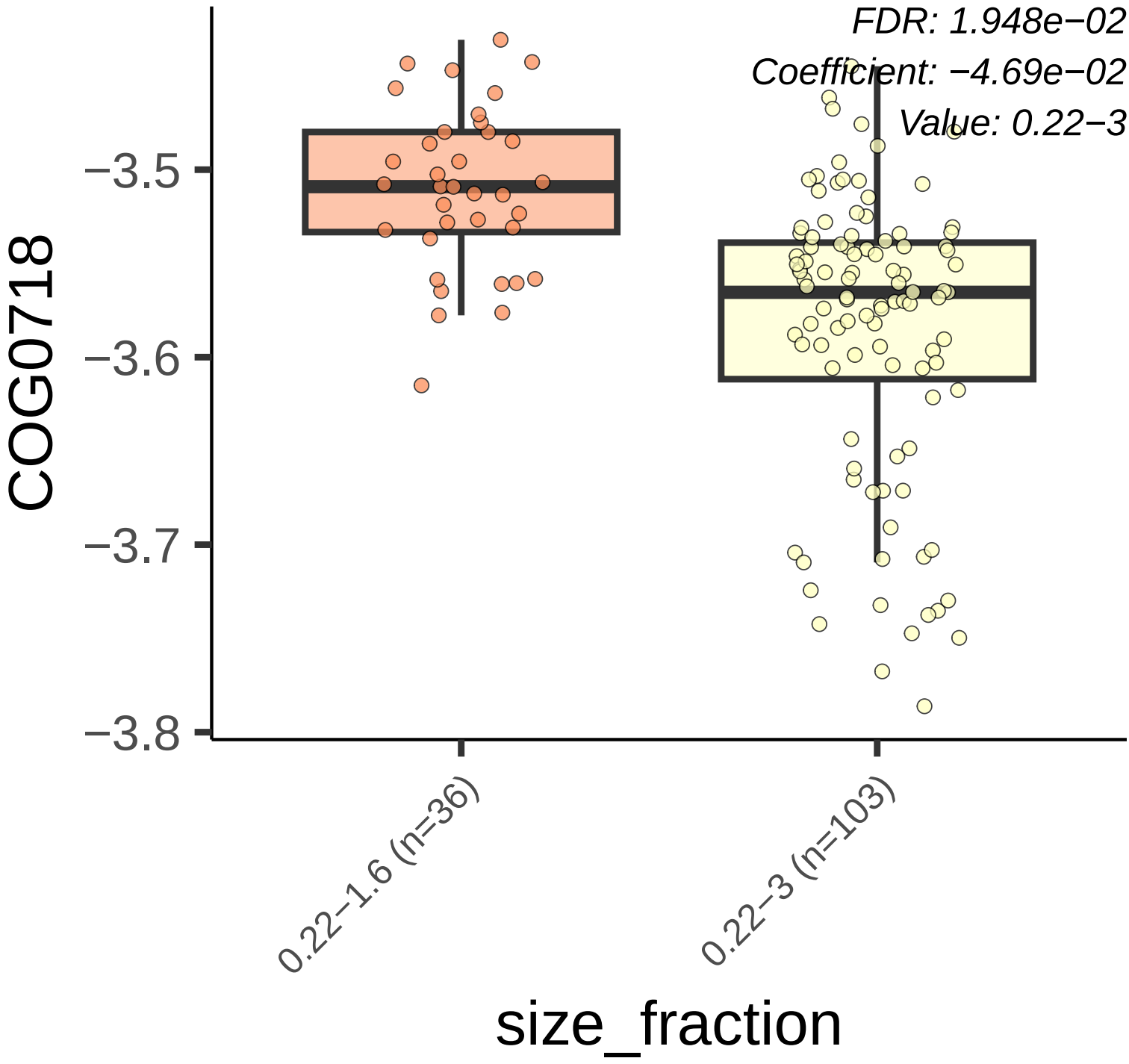

FDR: 1.892e−02
Coefficient: 4.98e−01
Value: 0.22−3
COG3875
−4.0
−4.5
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

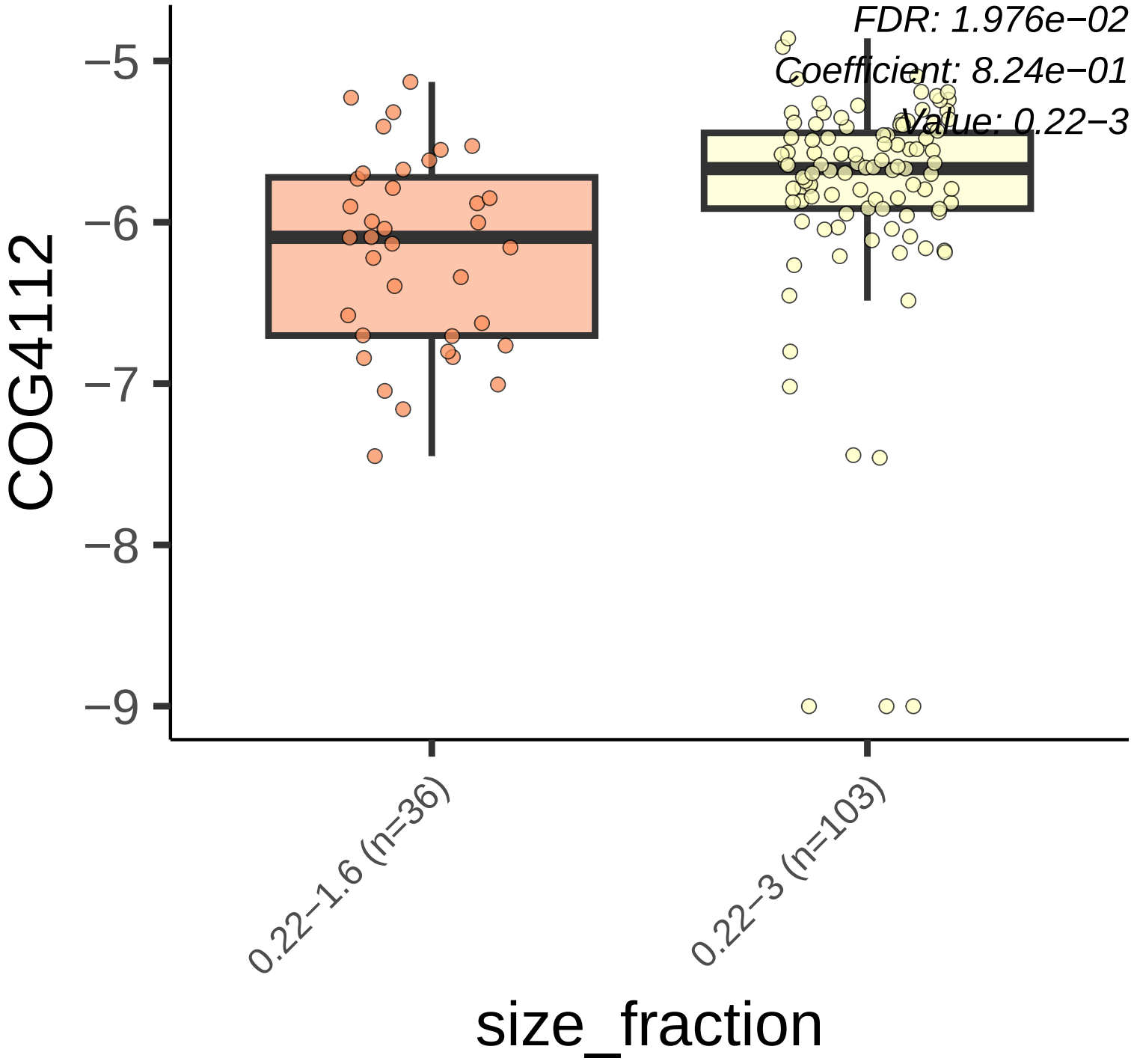

FDR: 1.916e−02
Coefficient: 4.73e−02
Value: 0.22−3
COG0520
−2.9
−3.0
−3.1
−3.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

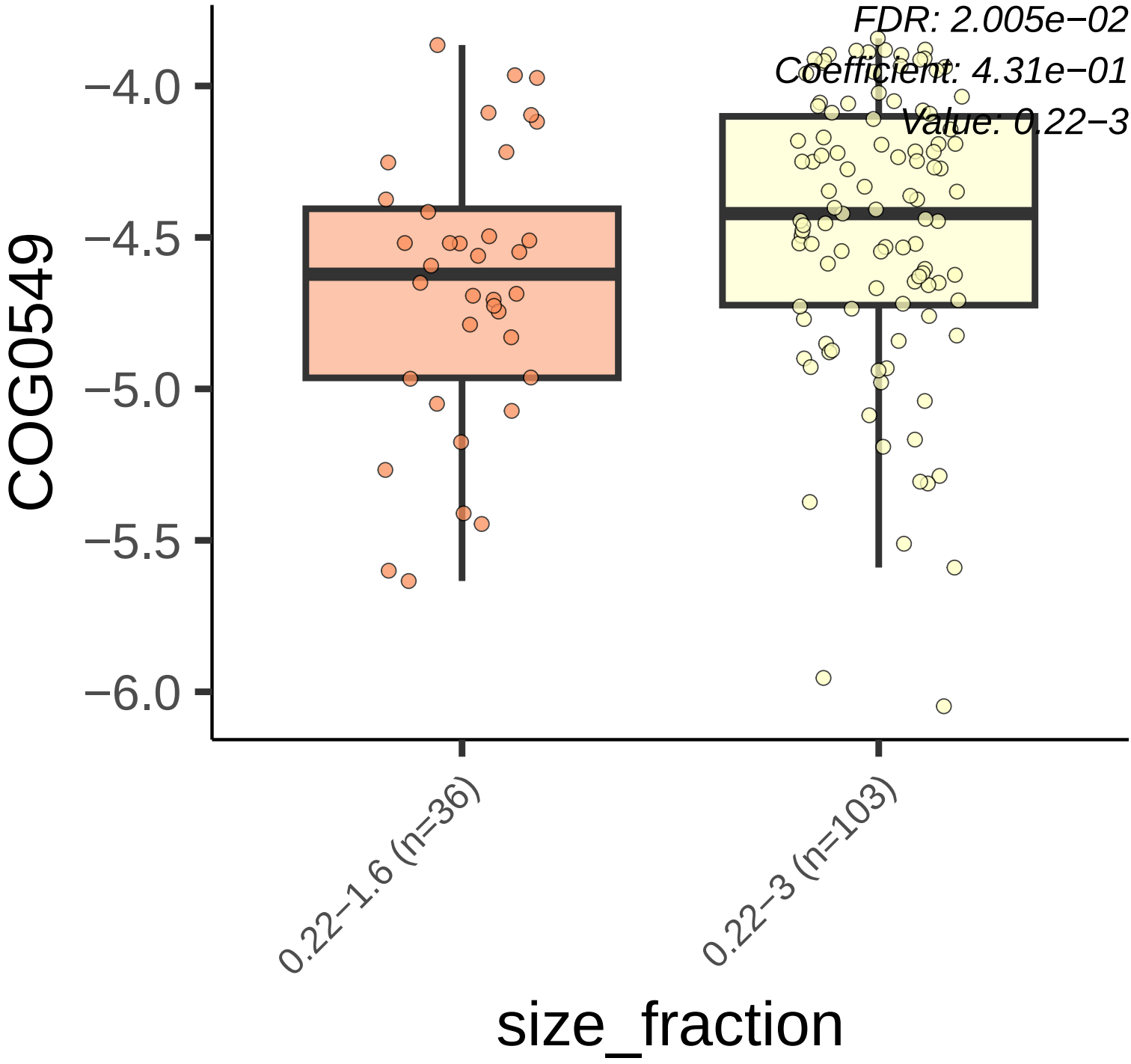

FDR: 1.918e−02
Coefficient: 1.17e+00
Value: 0.22−3
COG5413
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

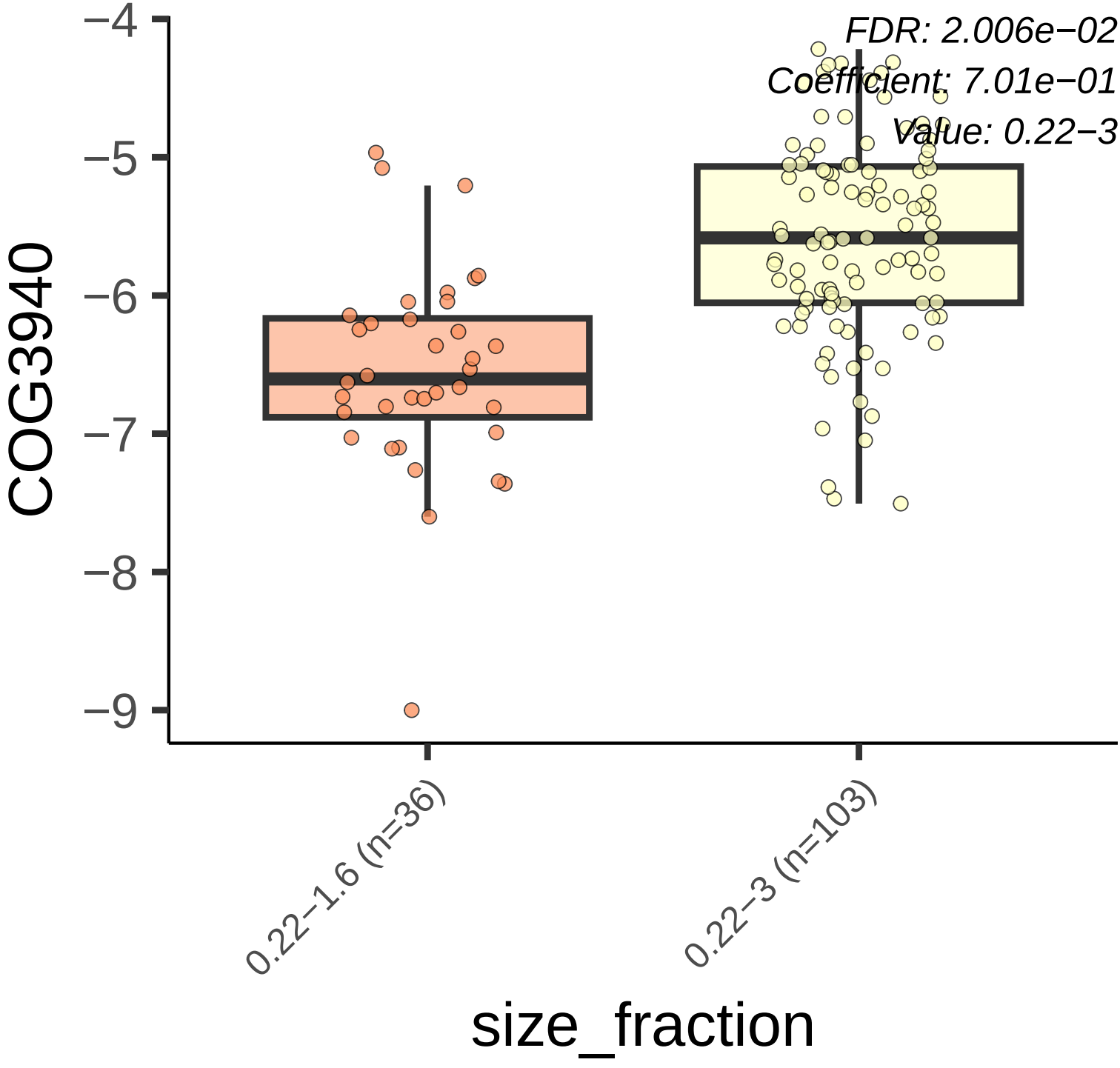

FDR: 1.921e−02
Coefficient: 2.02e−01
Value: 0.22−3
COG1002
−4.0
−4.2
−4.4
−4.6
−4.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

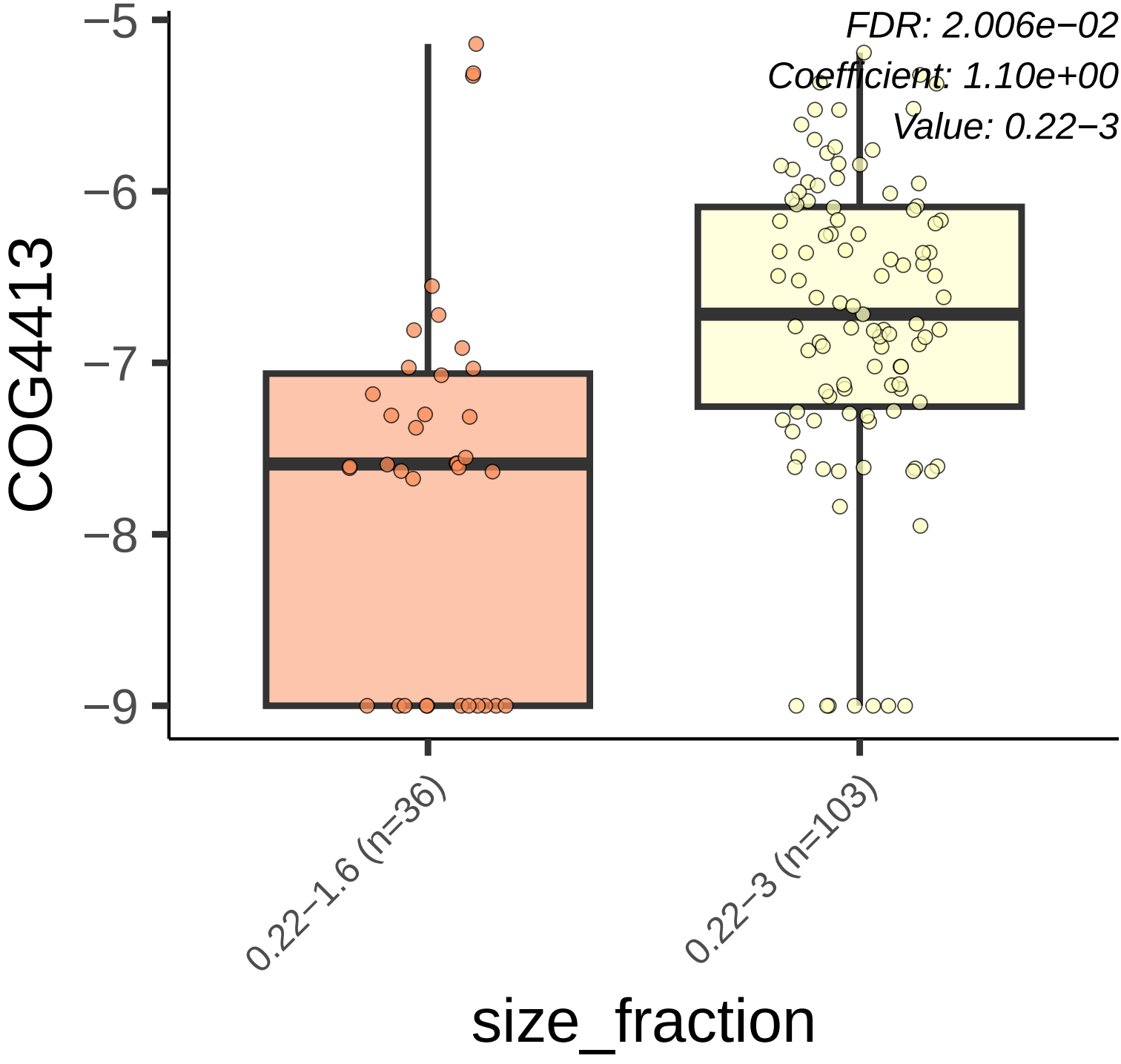

FDR: 1.941e−02
Coefficient: 5.11e−01
Value: 0.22−3
COG3871
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

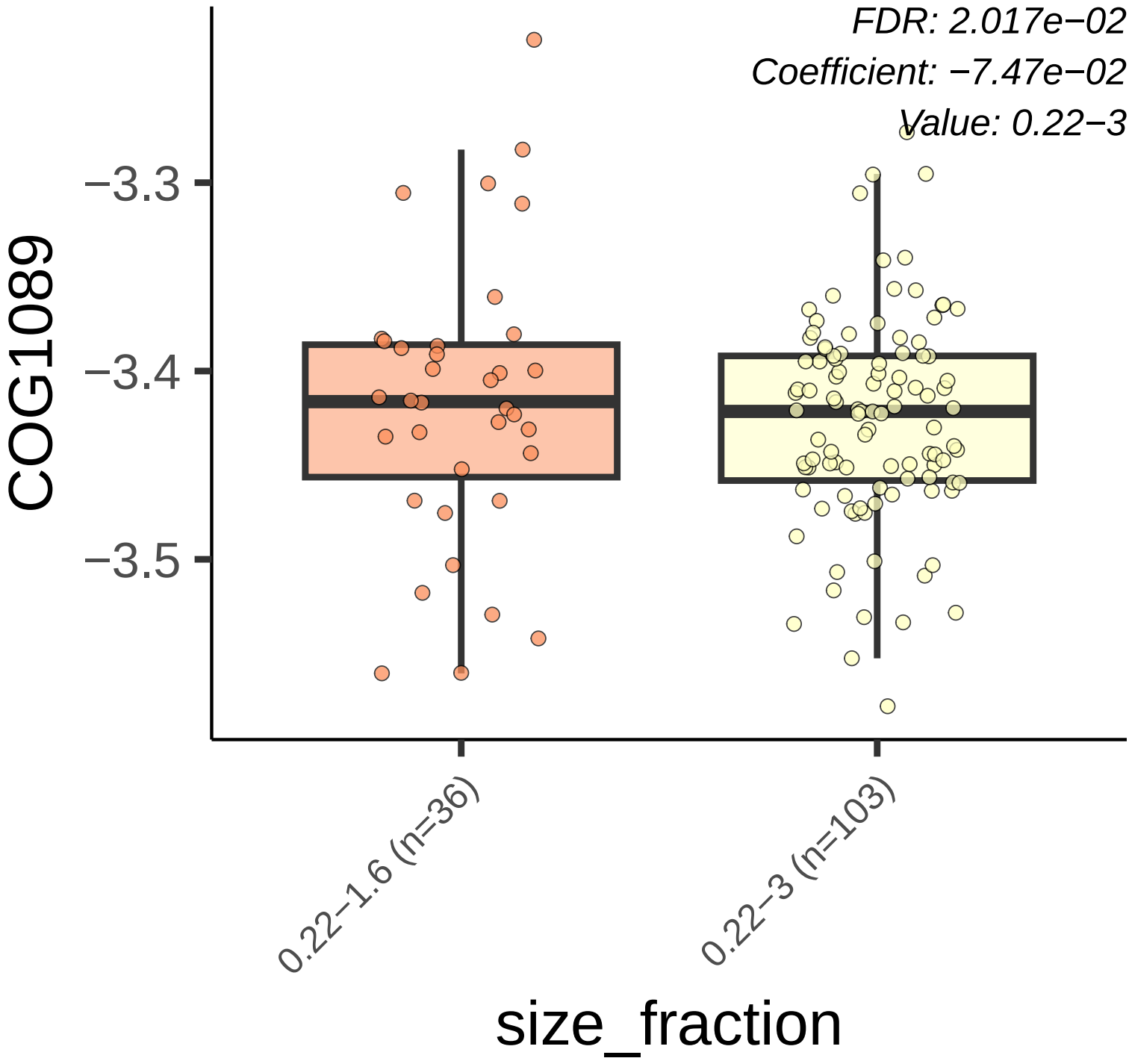

FDR: 1.948e−02
Coefficient: −4.69e−02
Value: 0.22−3
COG0718
−3.5
−3.6
−3.7
−3.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

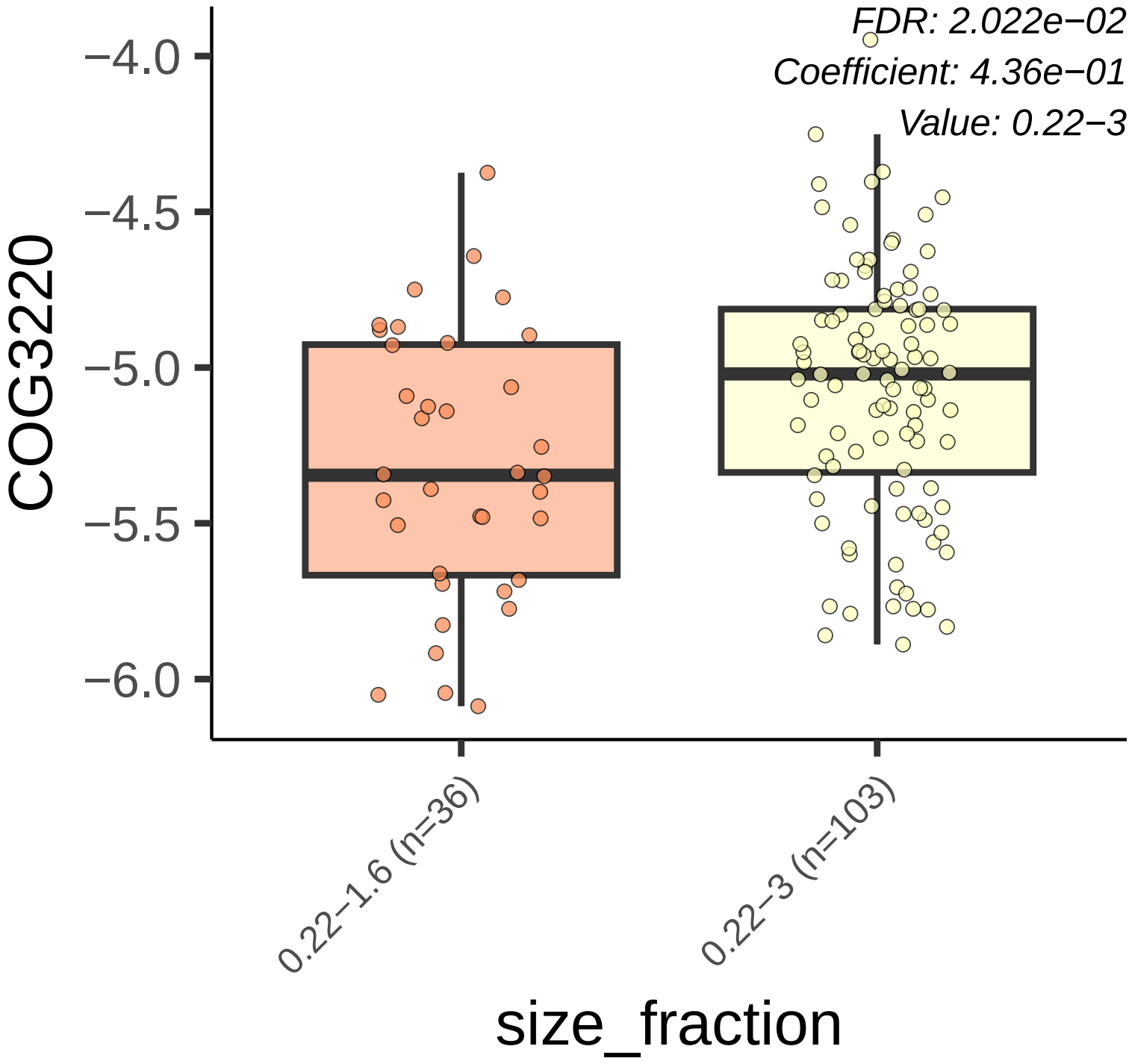

FDR: 1.976e−02
Coefficient: 8.24e−01
Value: 0.22−3
COG4112
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

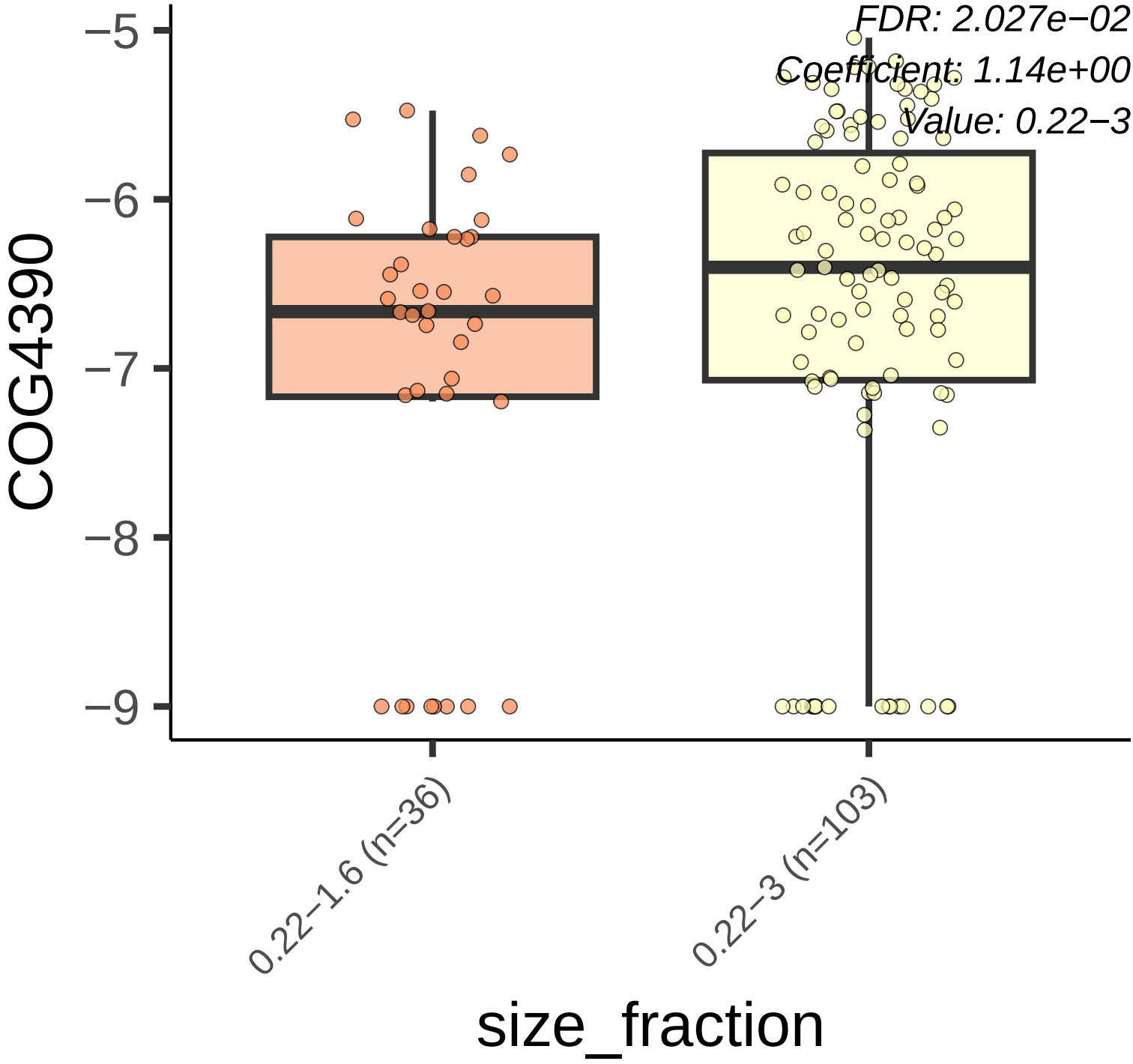

FDR: 2.005e−02
Coefficient: 4.31e−01
Value: 0.22−3
COG0549
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

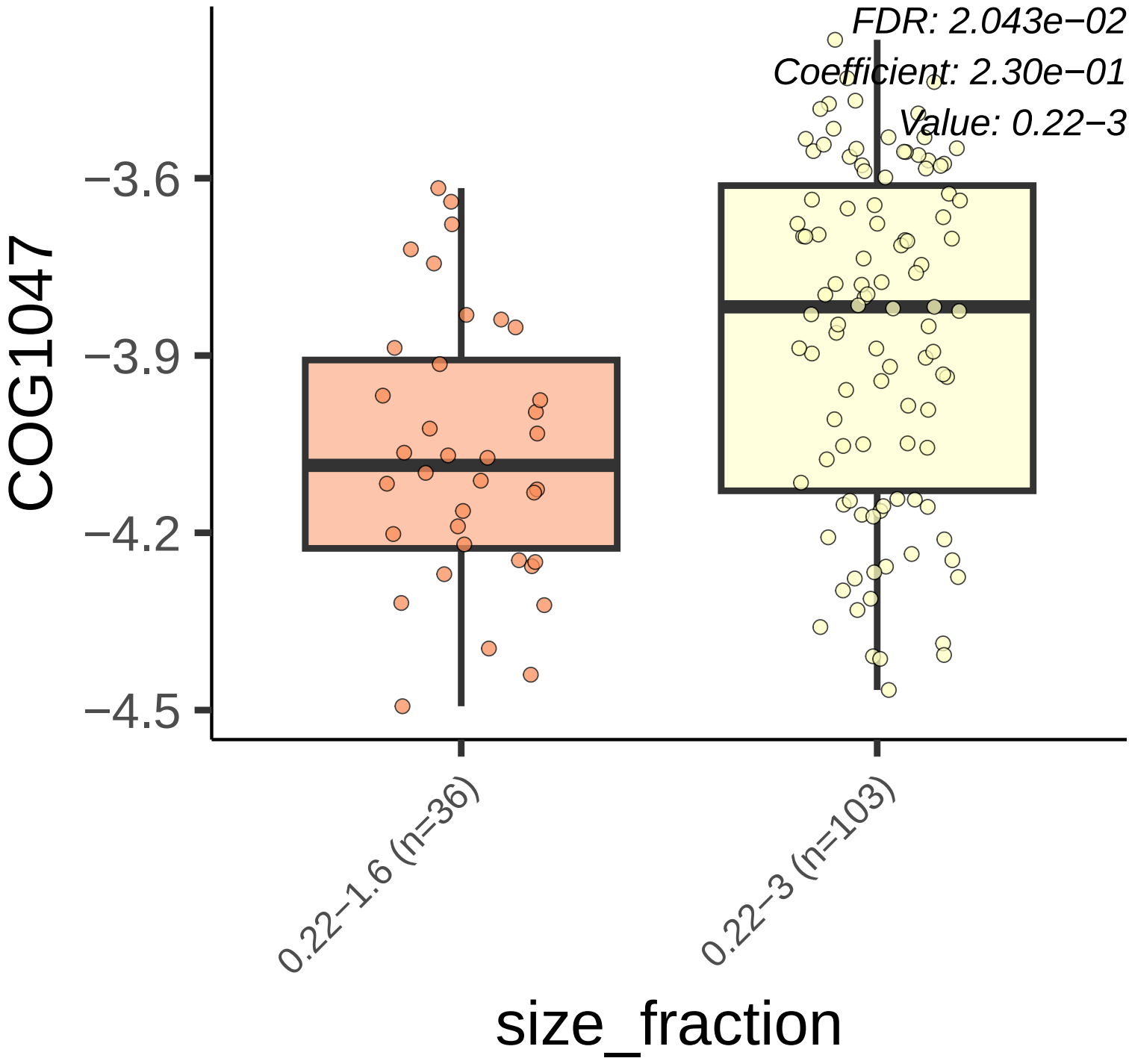

FDR: 2.006e−02
Coefficient: 7.01e−01
Value: 0.22−3
COG3940
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

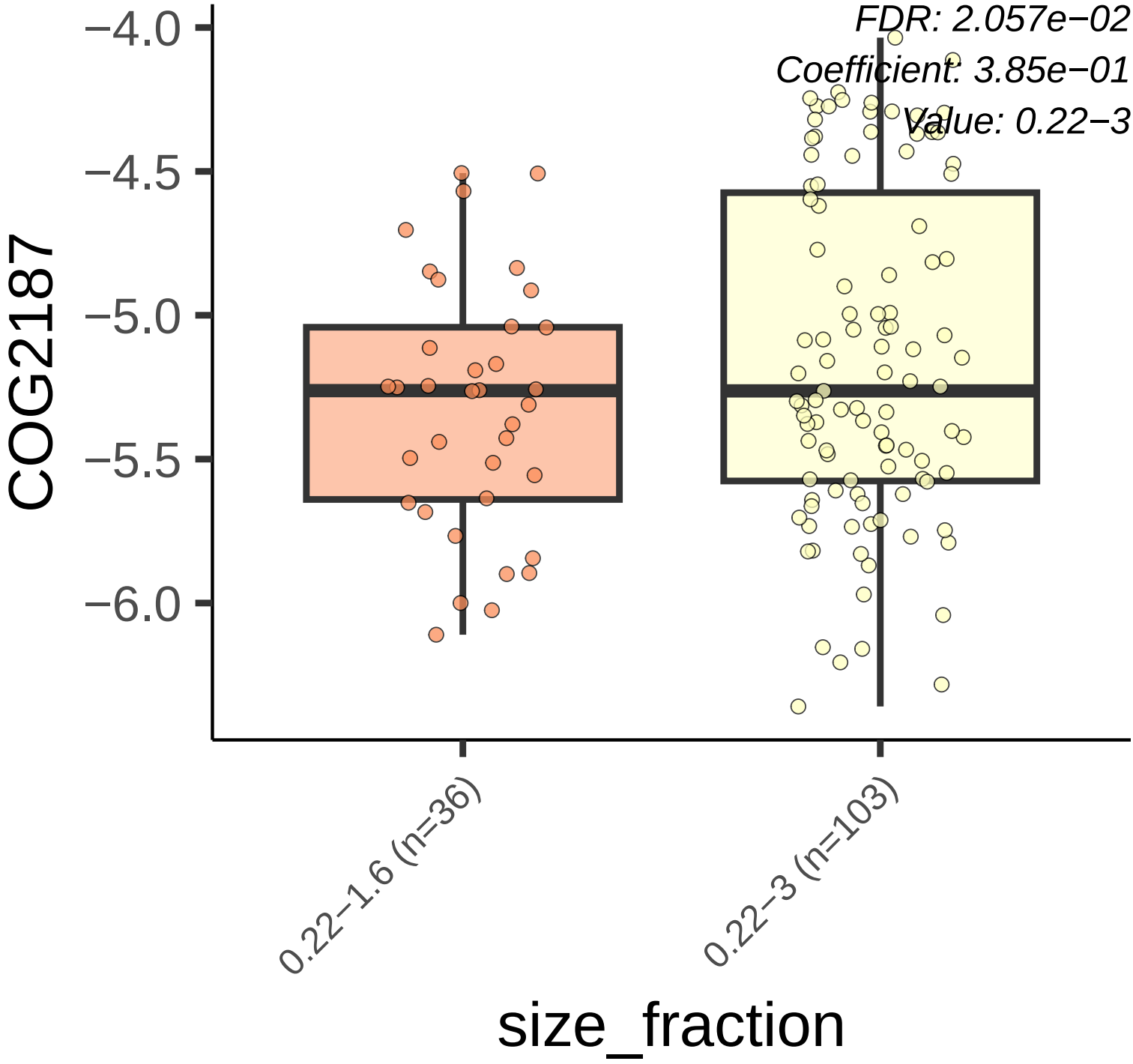

FDR: 2.006e−02
Coefficient: 1.10e+00
Value: 0.22−3
COG4413
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

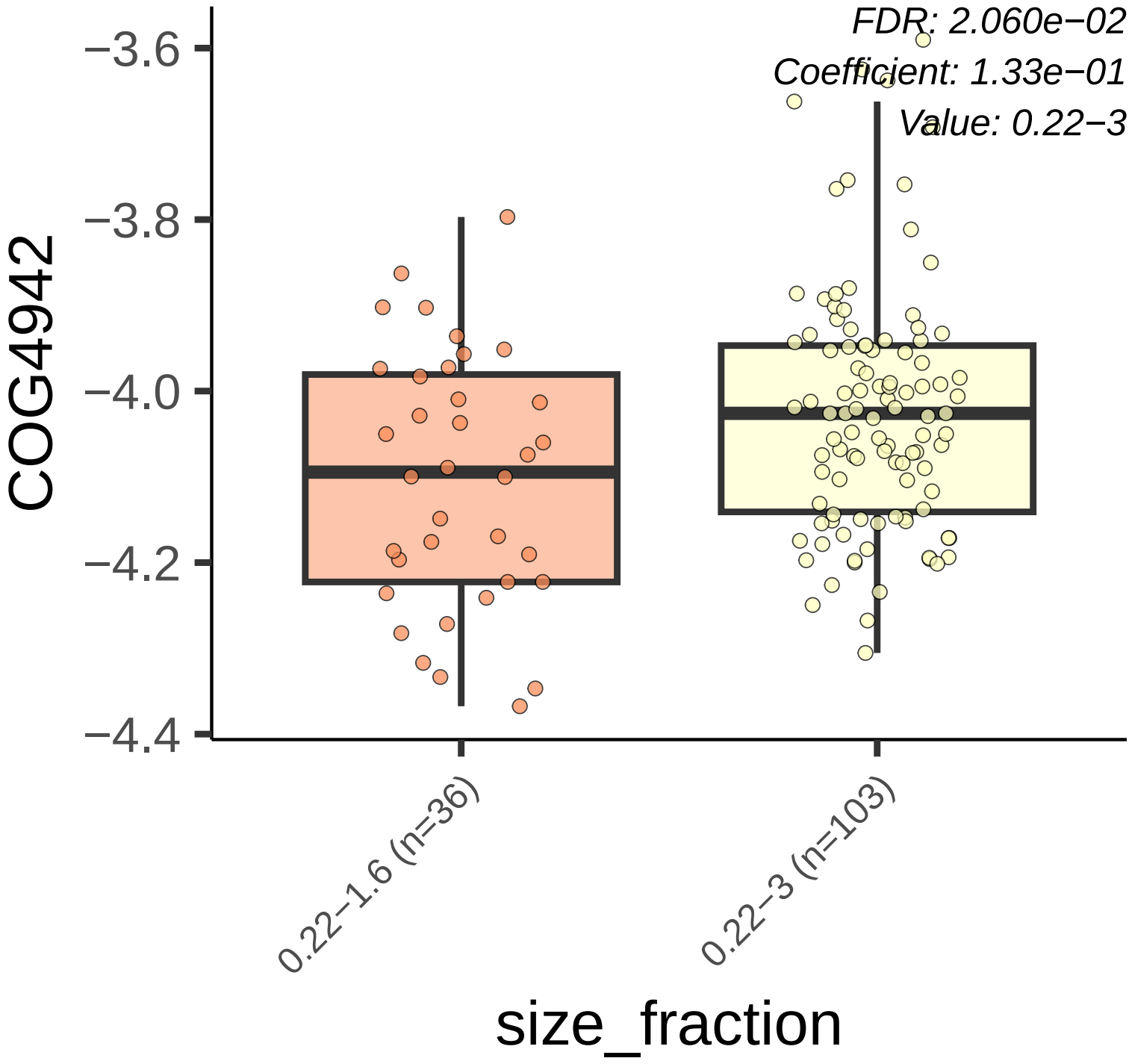

FDR: 2.017e−02
Coefficient: −7.47e−02
Value: 0.22−3
COG1089
−3.3
−3.4
−3.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

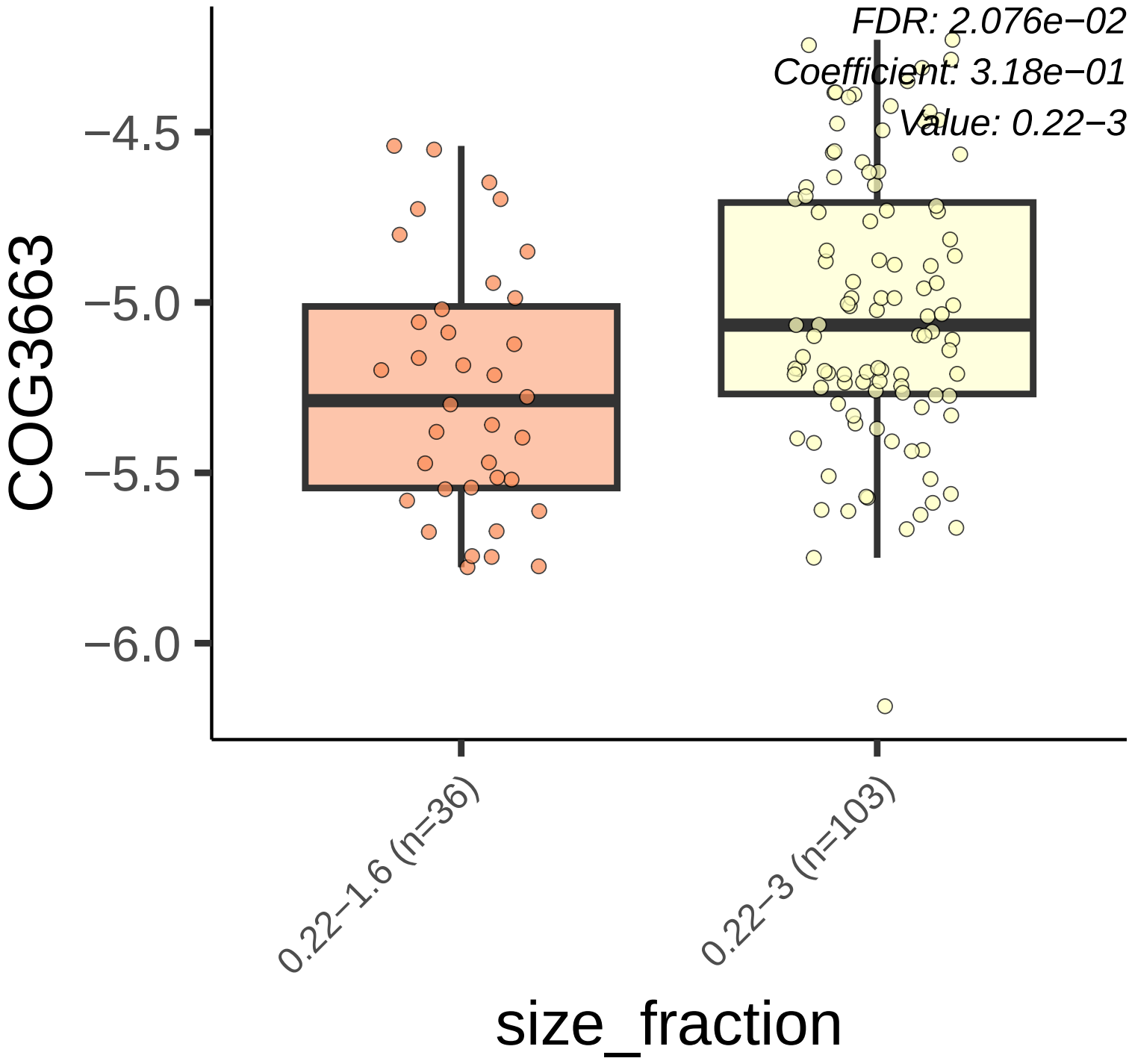

FDR: 2.022e−02
Coefficient: 4.36e−01
Value: 0.22−3
COG3220
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.027e−02
Coefficient: 1.14e+00
Value: 0.22−3
COG4390
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.043e−02
Coefficient: 2.30e−01
Value: 0.22−3
COG1047
−3.6
−3.9
−4.2
−4.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.057e−02
Coefficient: 3.85e−01
Value: 0.22−3
−4.0
−4.5
−5.0
−5.5
−6.0
COG2187
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.060e−02
Coefficient: 1.33e−01
Value: 0.22−3
COG4942
−3.6
−3.8
−4.0
−4.2
−4.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.076e−02
Coefficient: 3.18e−01
Value: 0.22−3
COG3663
−4.5
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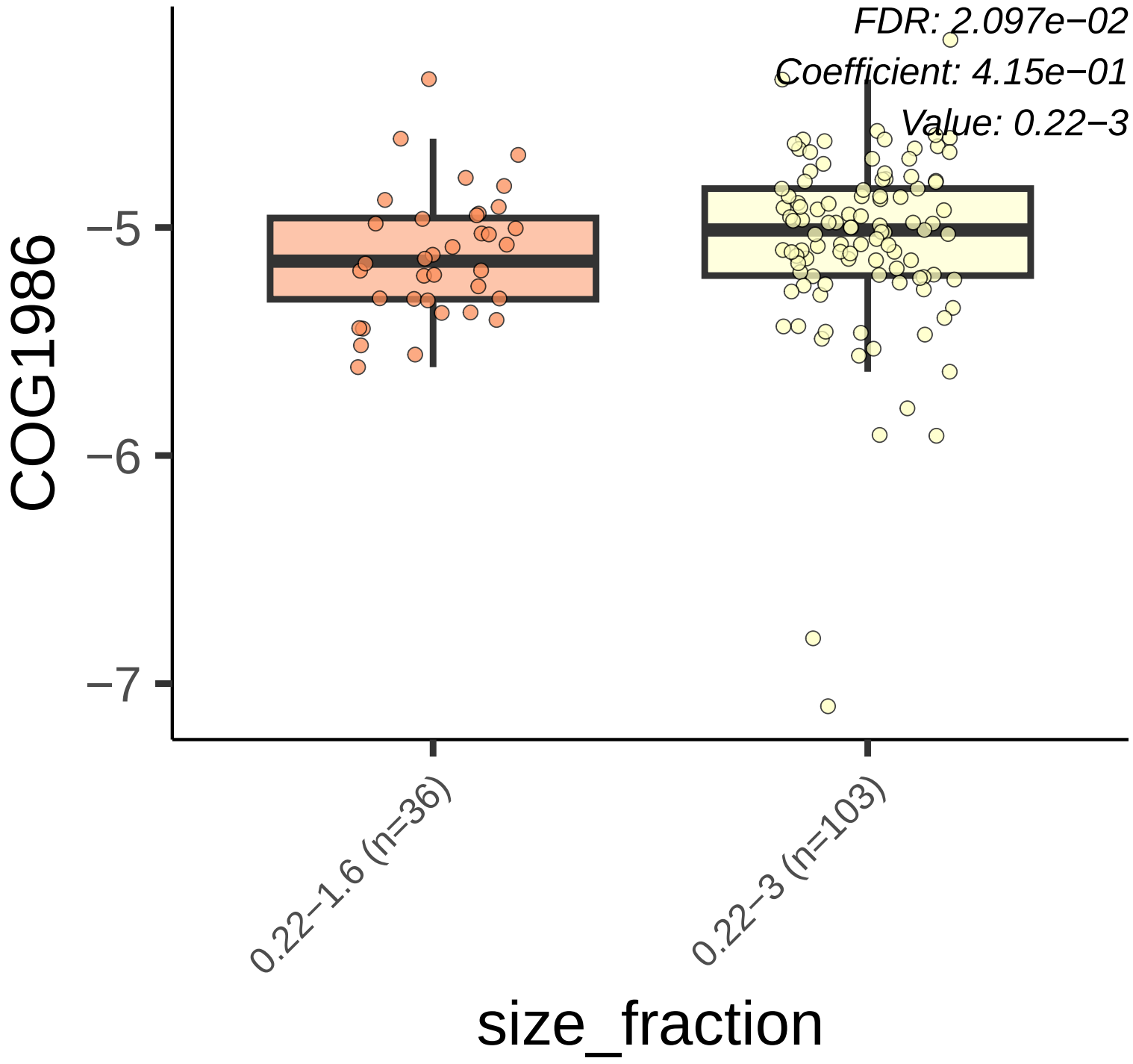
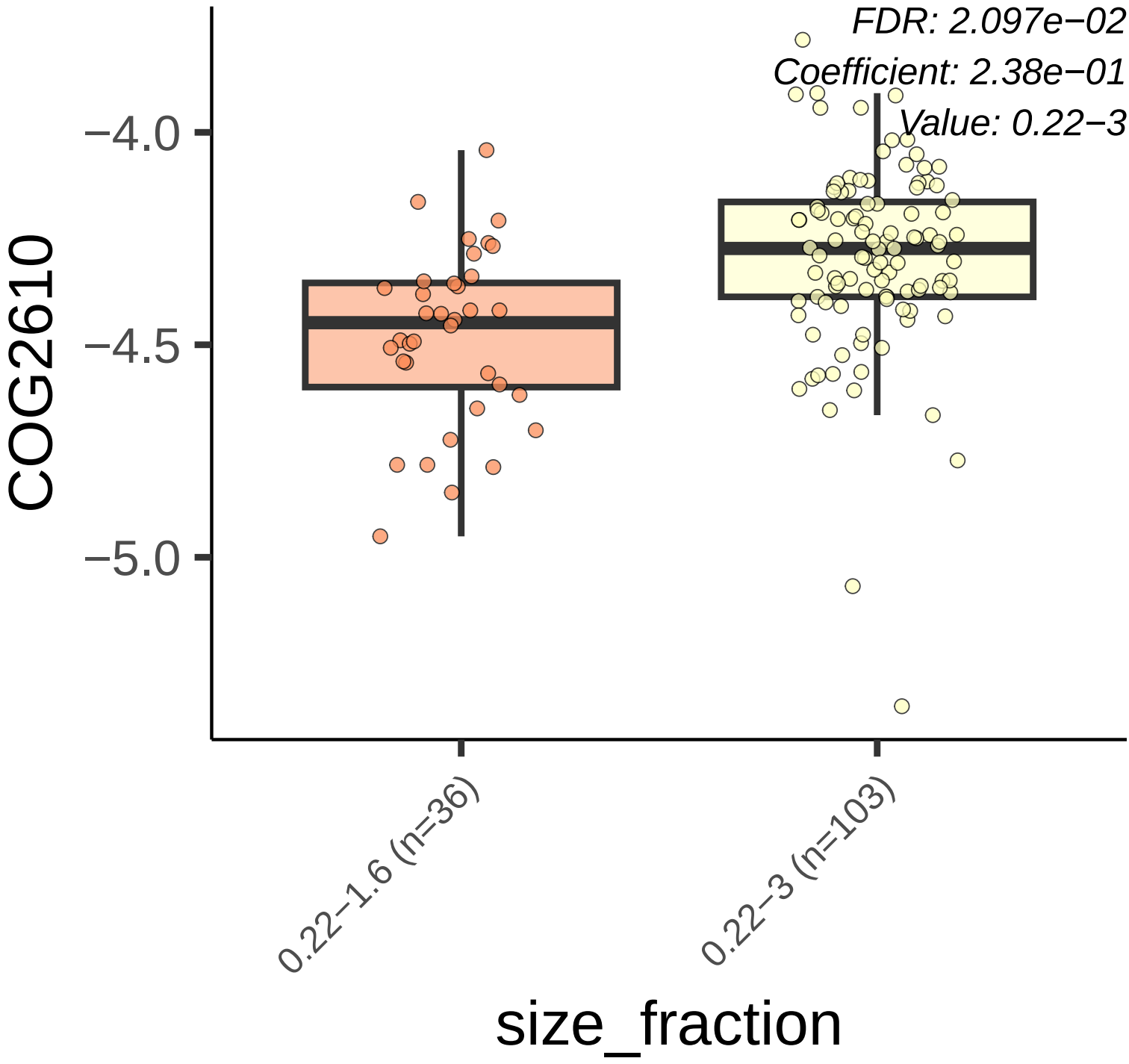
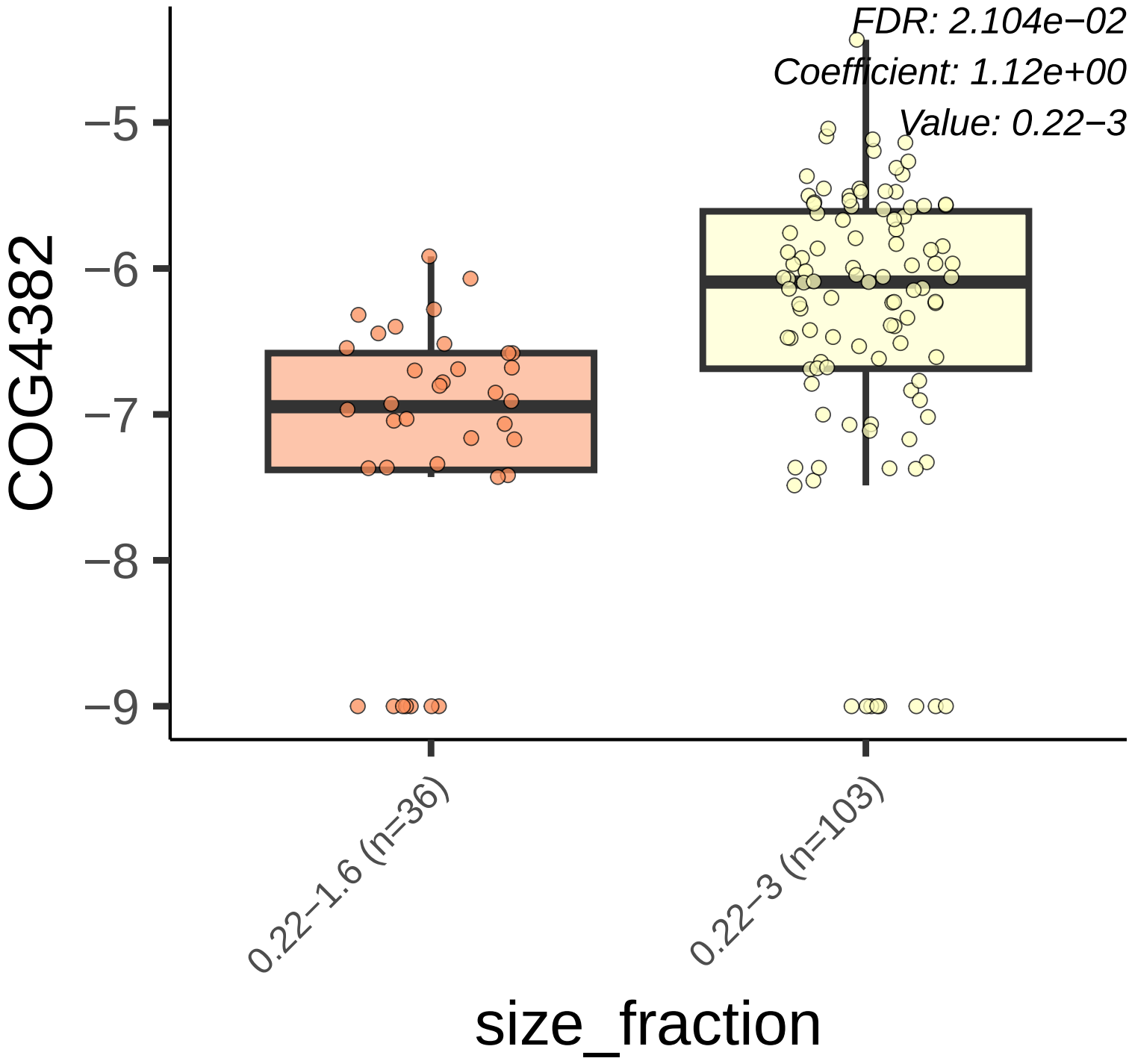
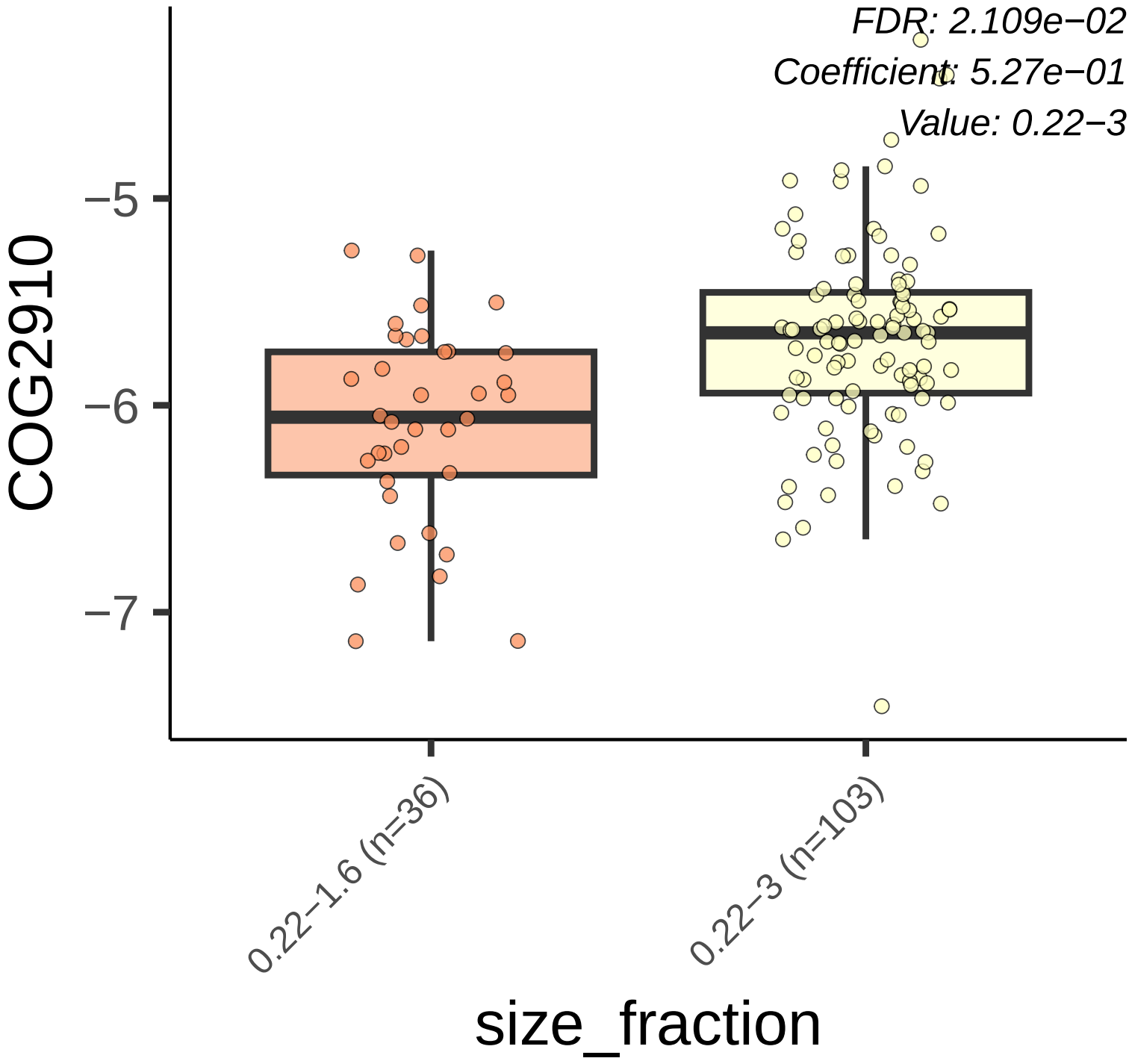
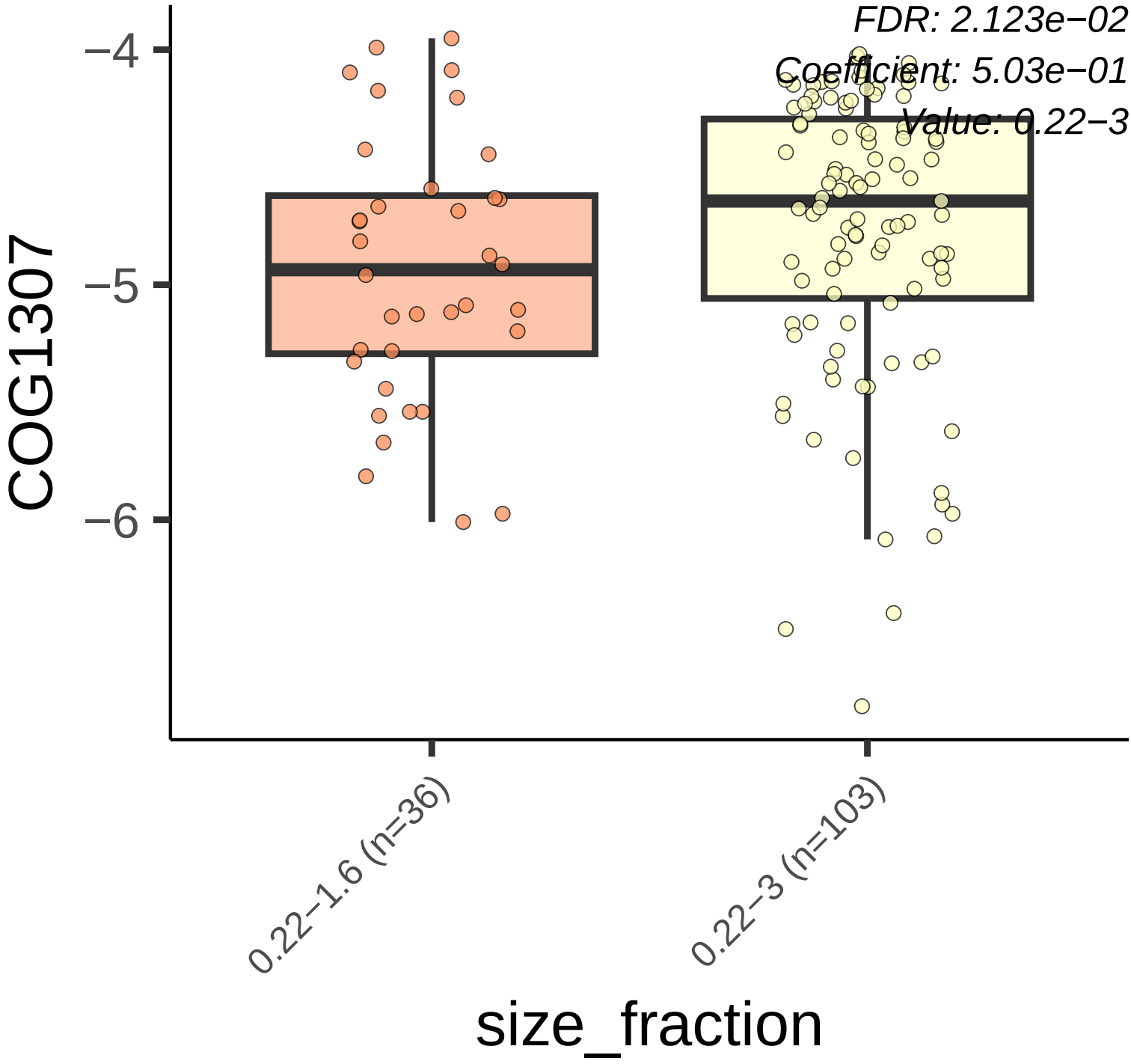
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

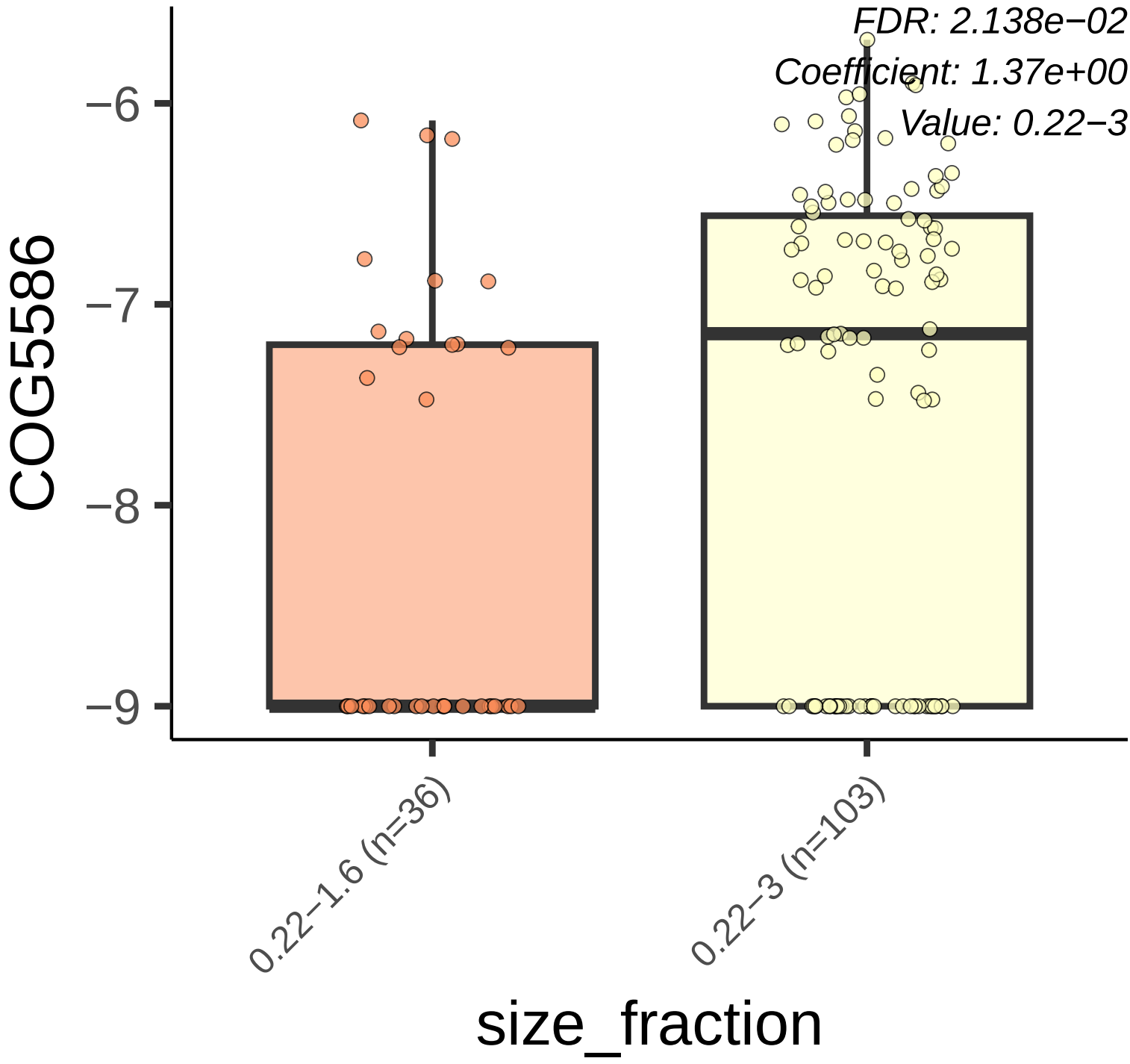

FDR: 2.097e−02
Coefficient: 4.15e−01
Value: 0.22−3
COG1986
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

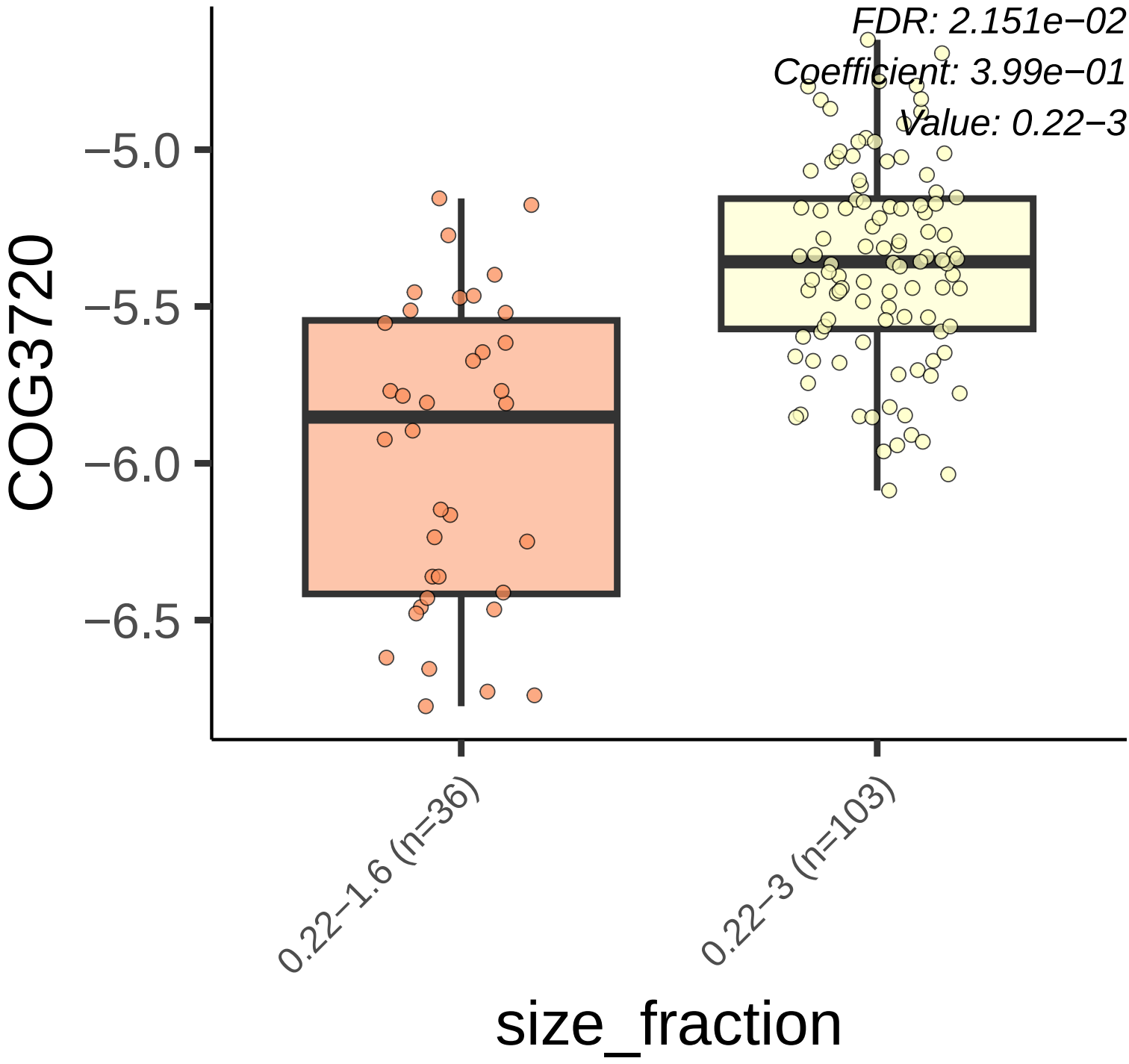

FDR: 2.097e−02
Coefficient: 2.38e−01
Value: 0.22−3
COG2610
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

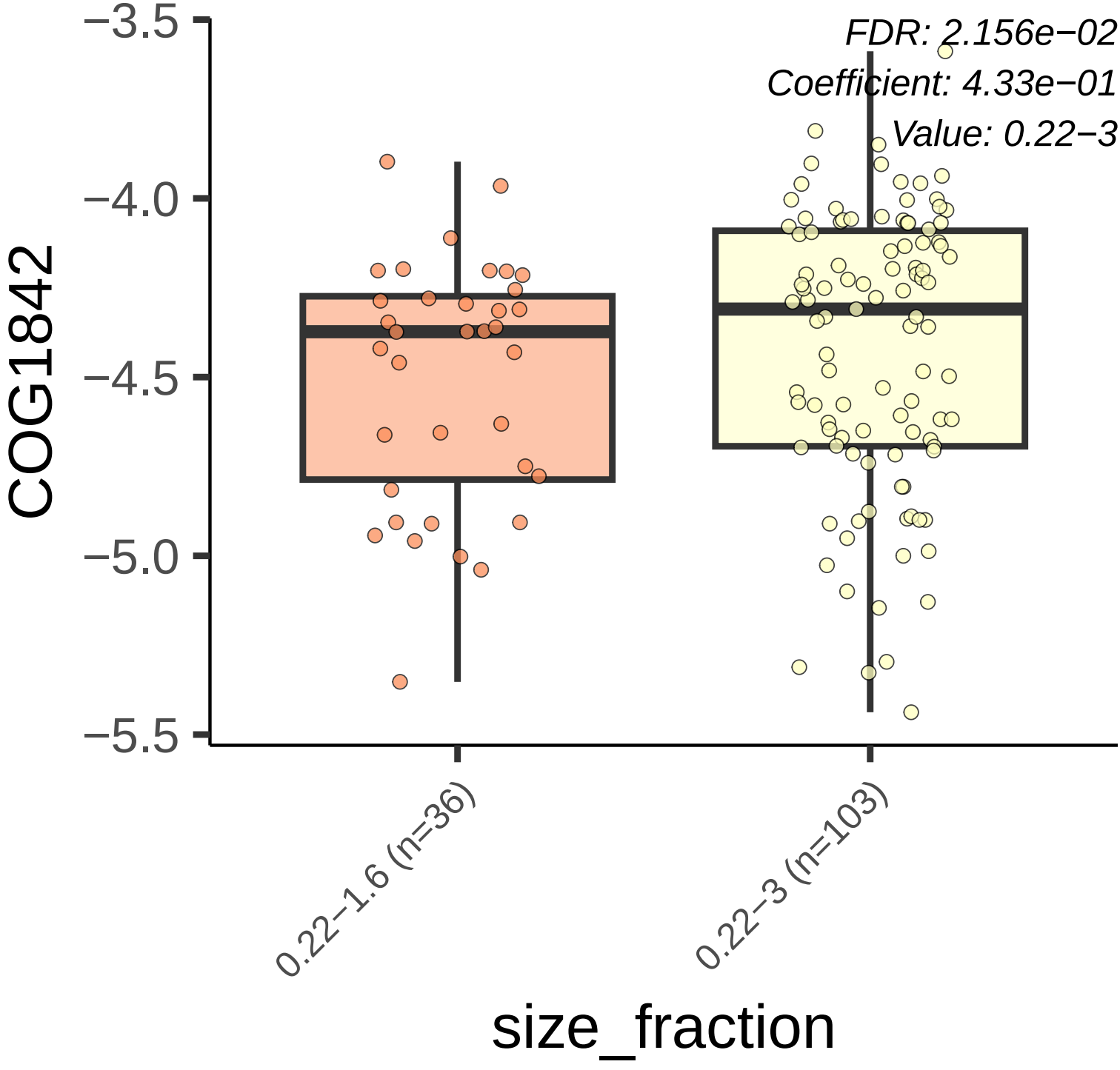

FDR: 2.104e−02
Coefficient: 1.12e+00
Value: 0.22−3
COG4382
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

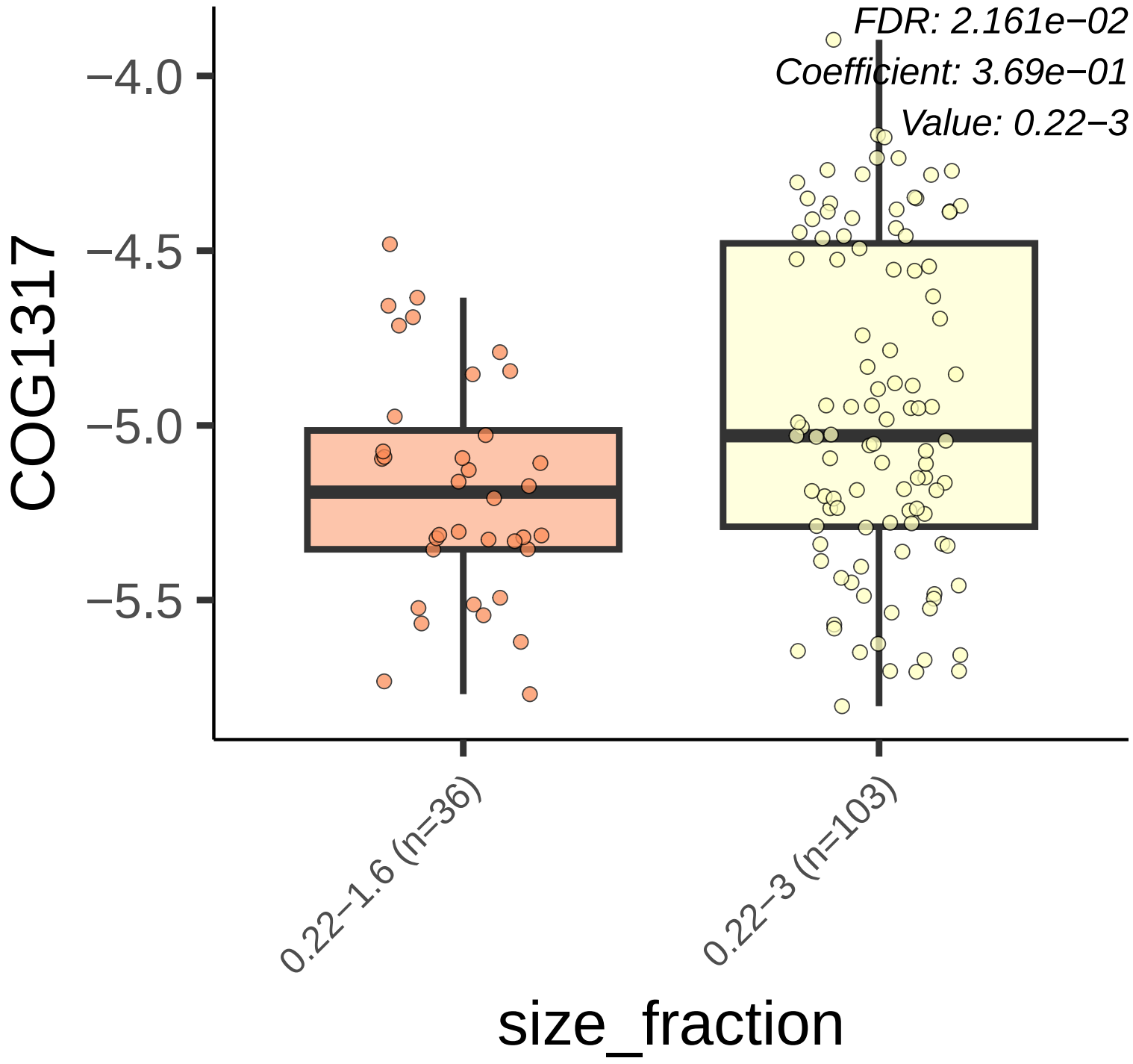

FDR: 2.109e−02
Coefficient: 5.27e−01
Value: 0.22−3
COG2910
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

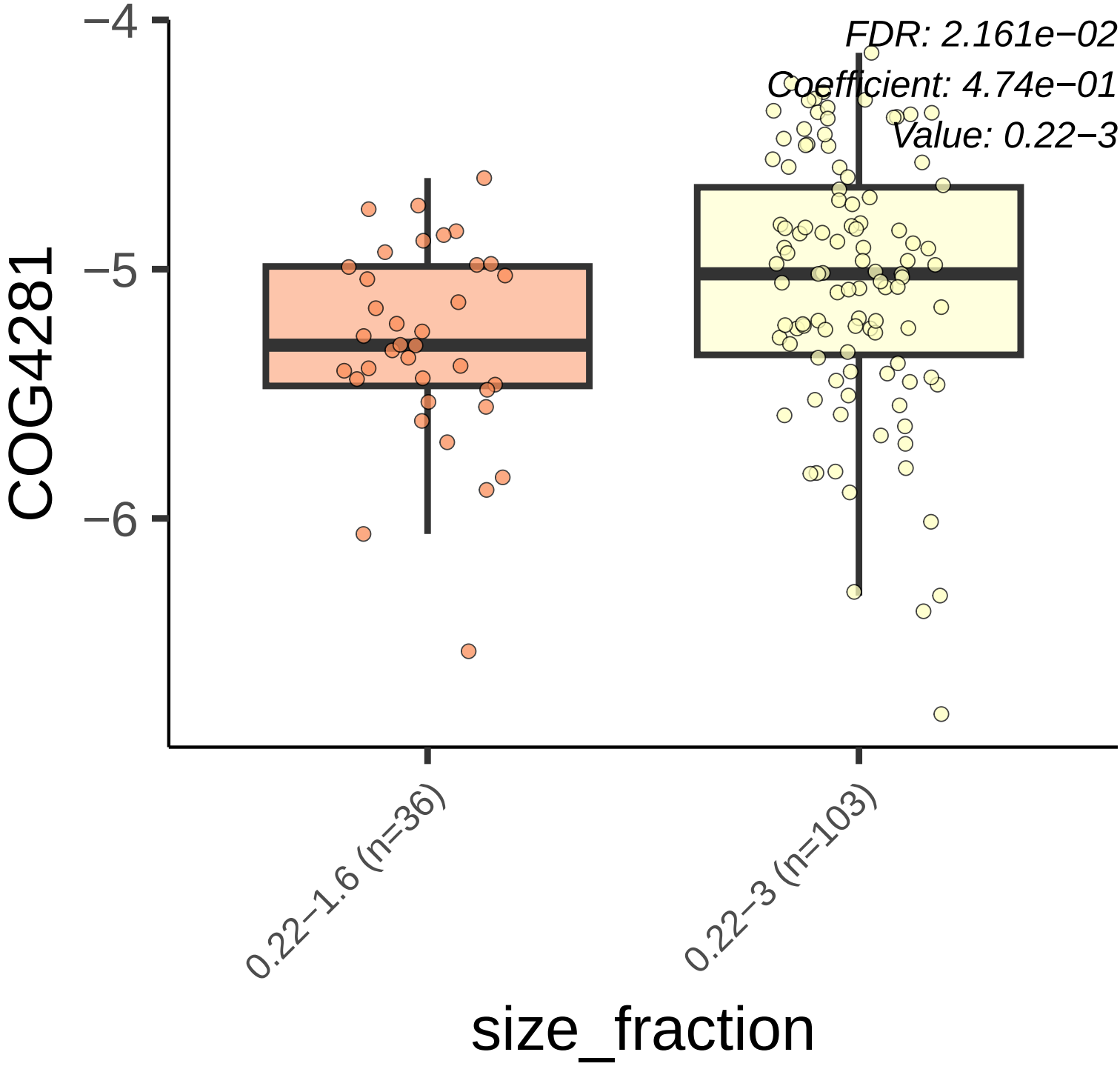

FDR: 2.123e−02
Coefficient: 5.03e−01
Value: 0.22−3
COG1307
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

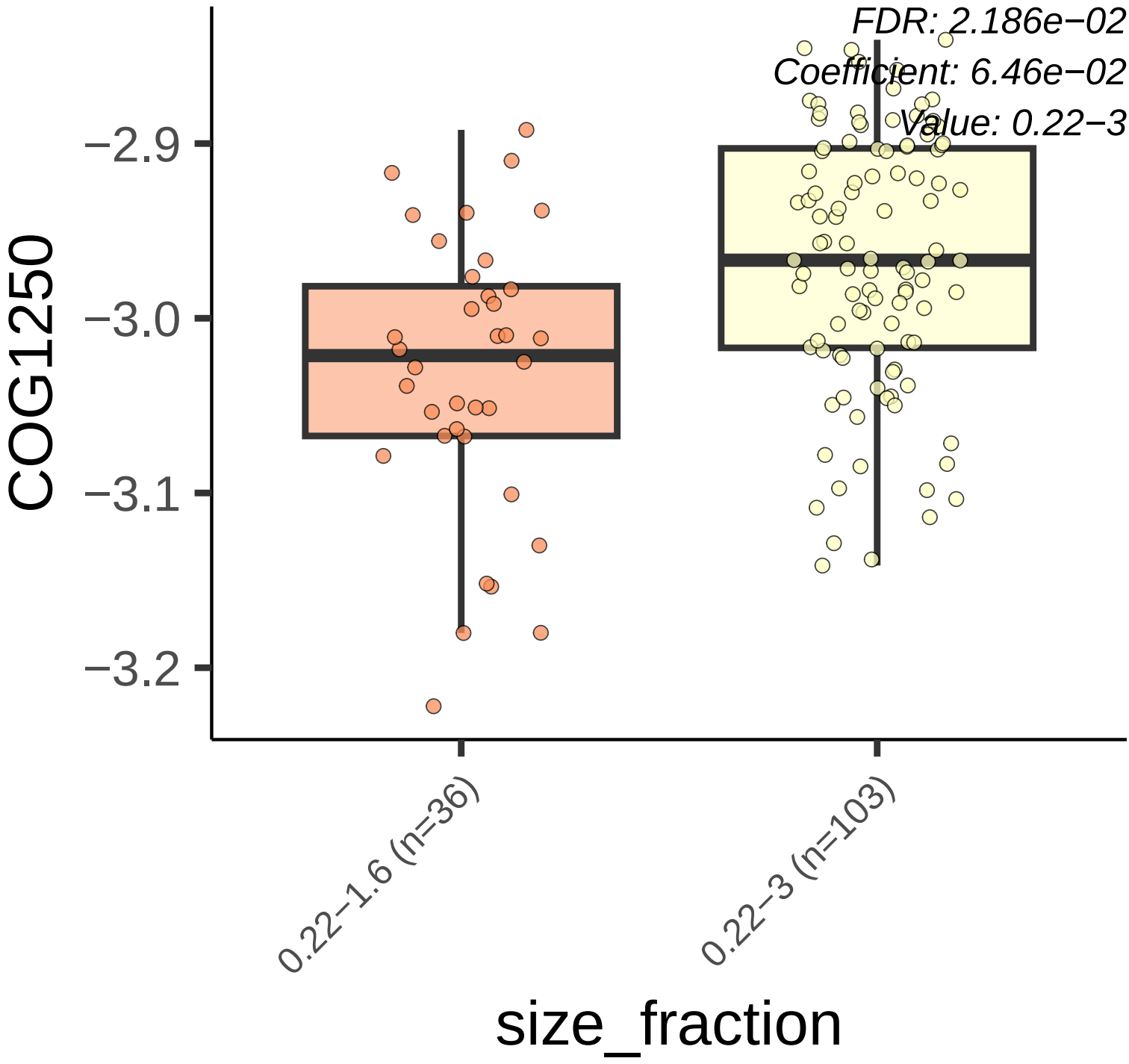

FDR: 2.138e−02
Coefficient: 1.37e+00
Value: 0.22−3
COG5586
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

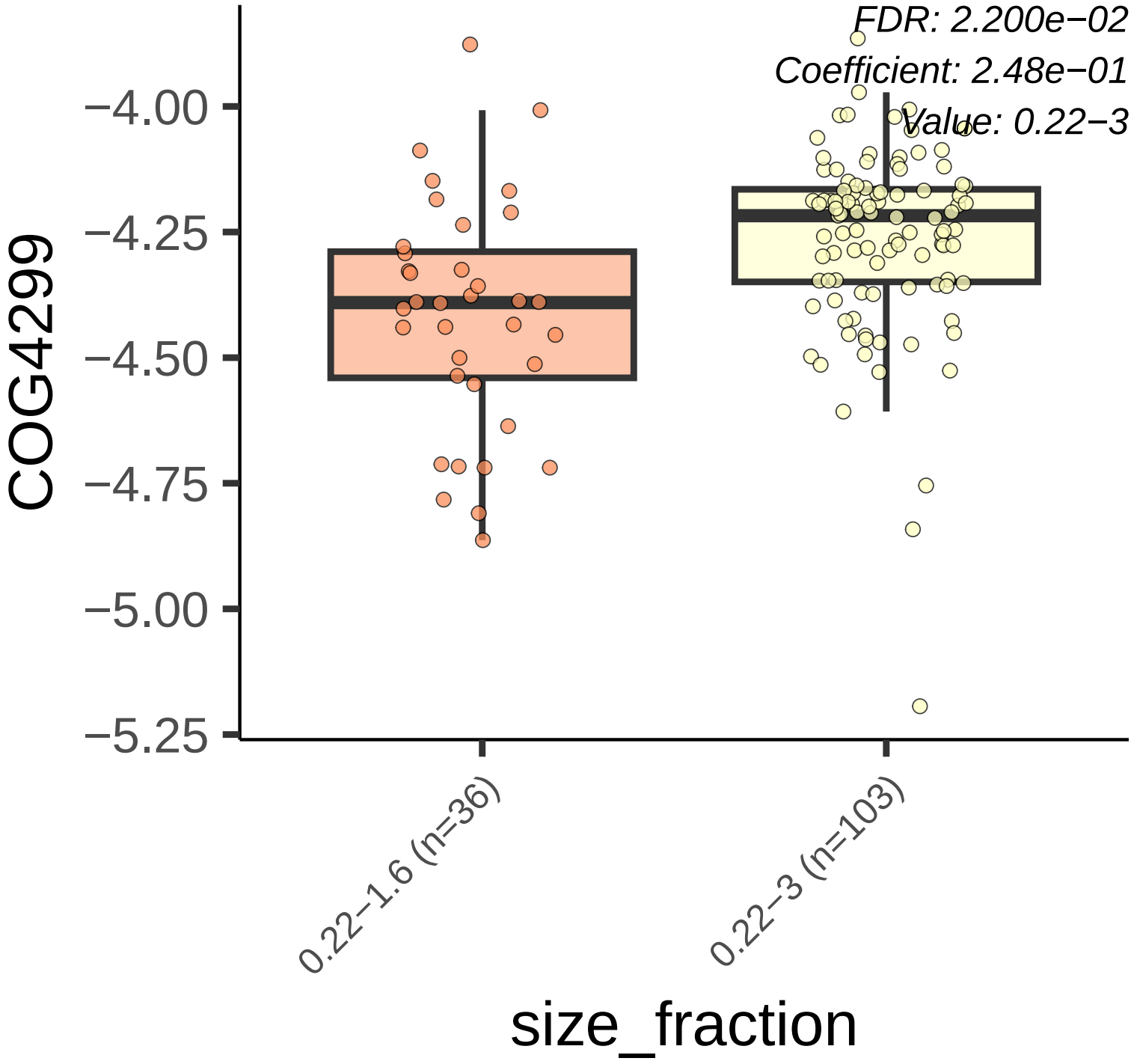

FDR: 2.151e−02
Coefficient: 3.99e−01
Value: 0.22−3
COG3720
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.156e−02
Coefficient: 4.33e−01
Value: 0.22−3
−3.5
−4.0
−4.5
−5.0
−5.5
COG1842
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.161e−02
Coefficient: 3.69e−01
Value: 0.22−3
COG1317
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.161e−02
Coefficient: 4.74e−01
Value: 0.22−3
COG4281
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.186e−02
Coefficient: 6.46e−02
Value: 0.22−3
COG1250
−2.9
−3.0
−3.1
−3.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.200e−02
Coefficient: 2.48e−01
Value: 0.22−3
COG4299
−4.00
−4.25
−4.50
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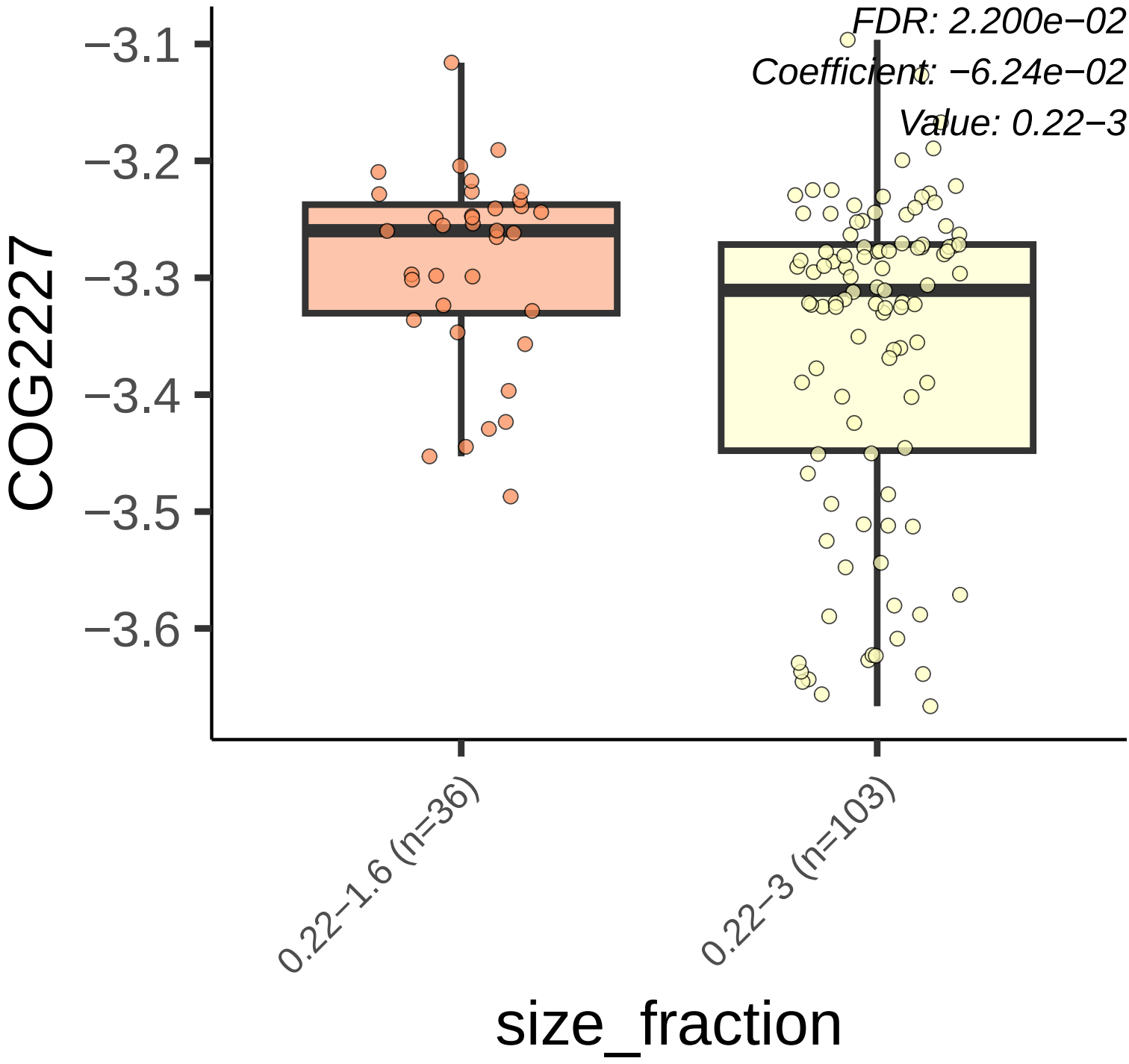
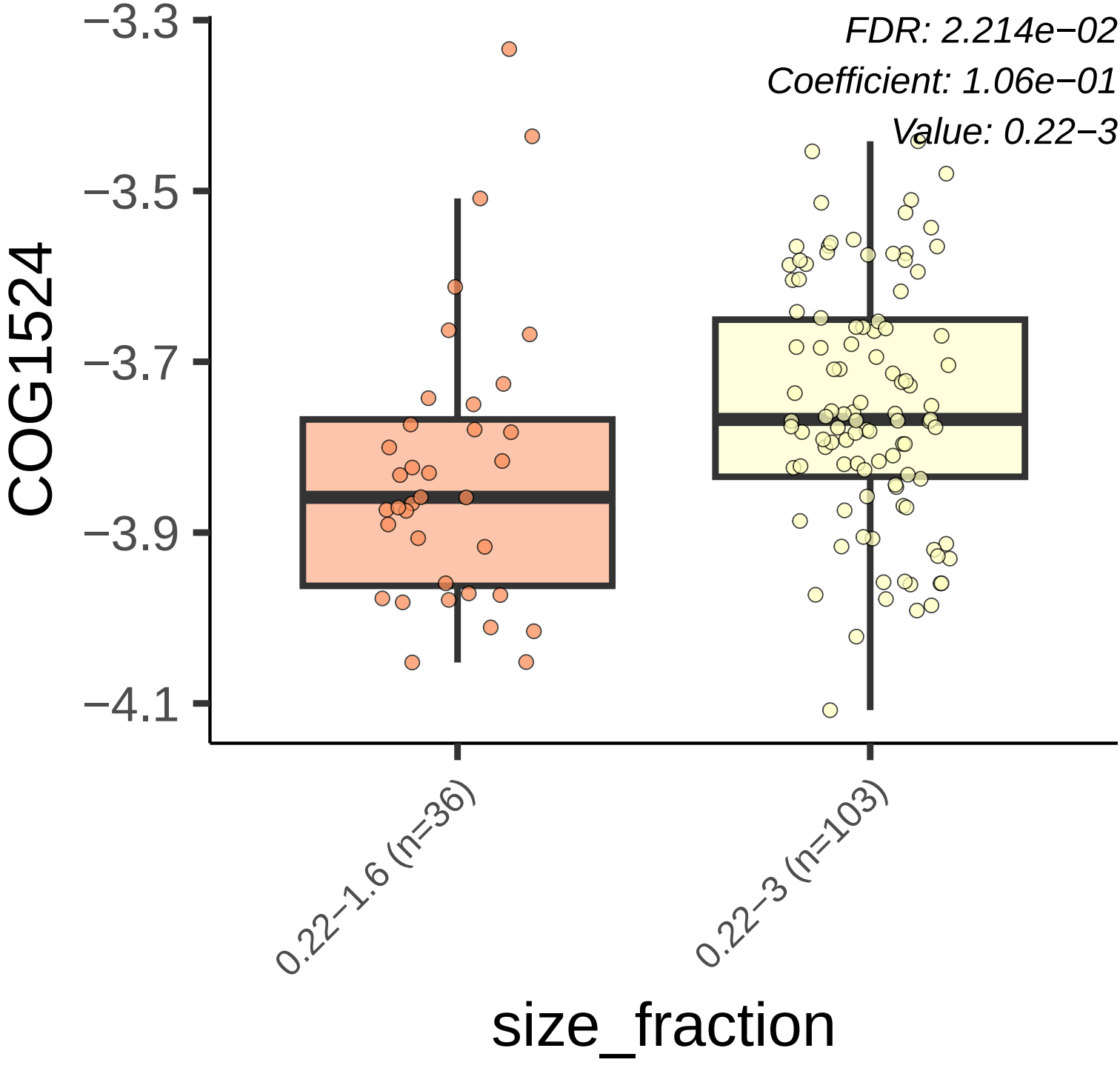
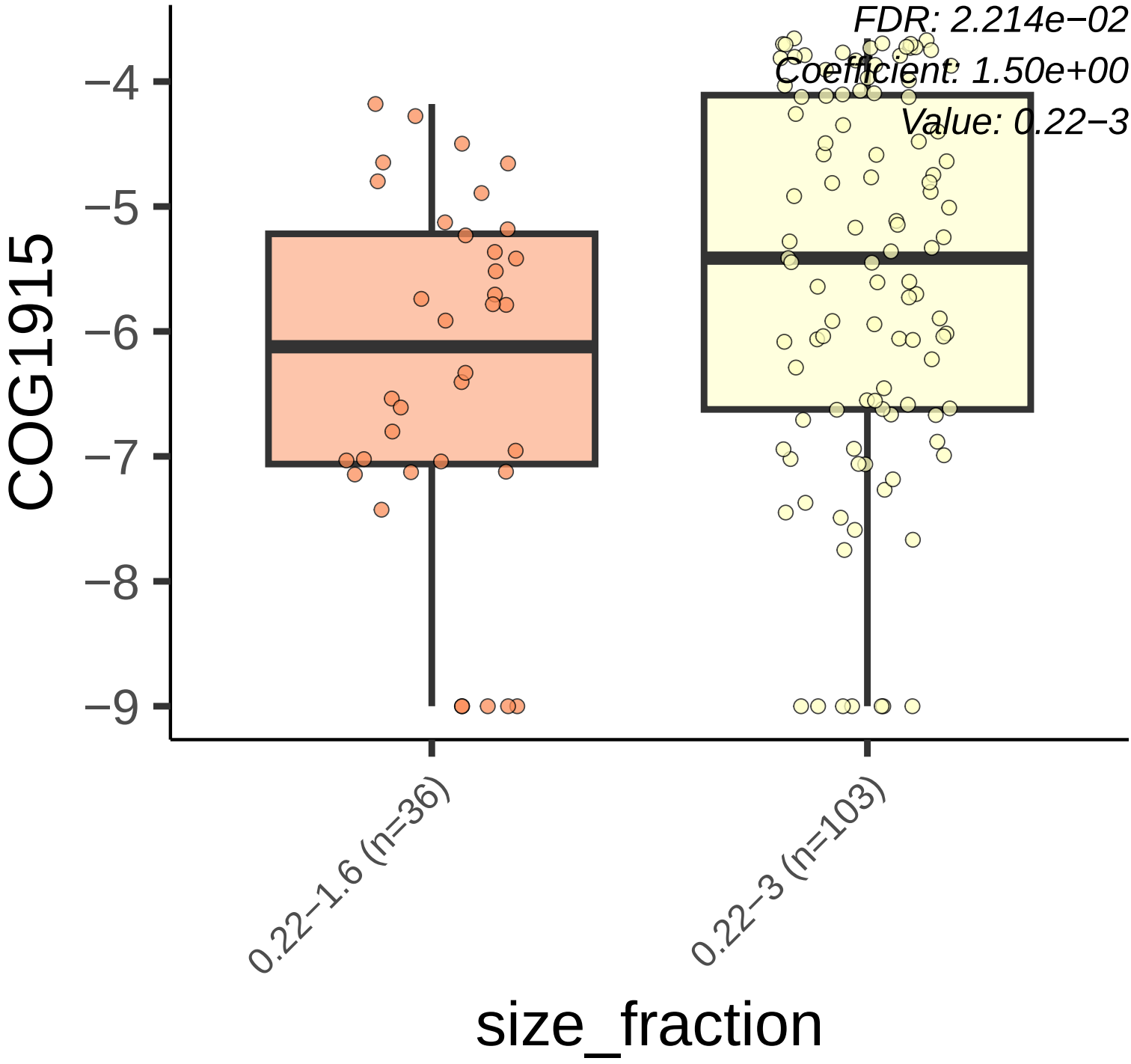
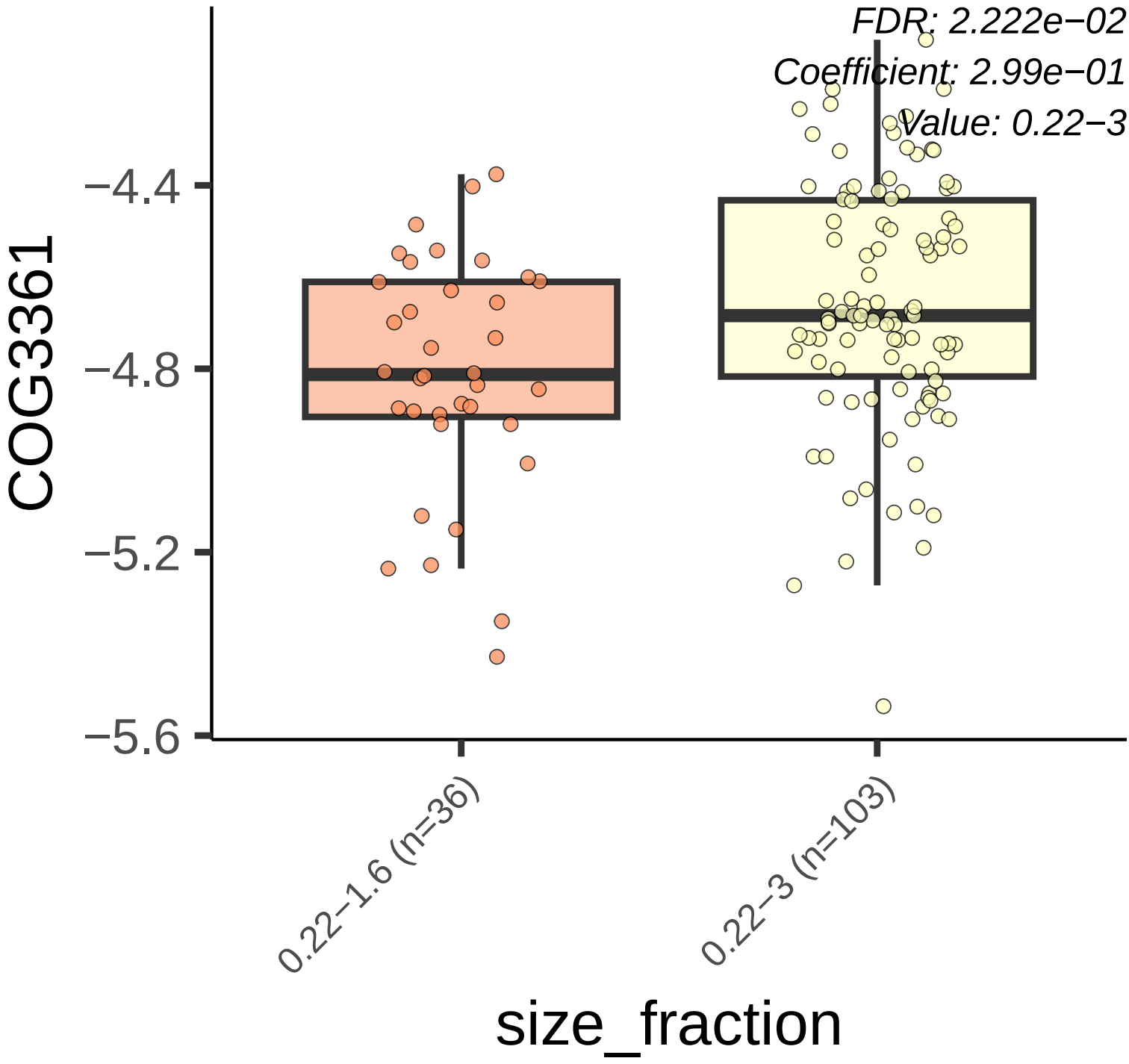
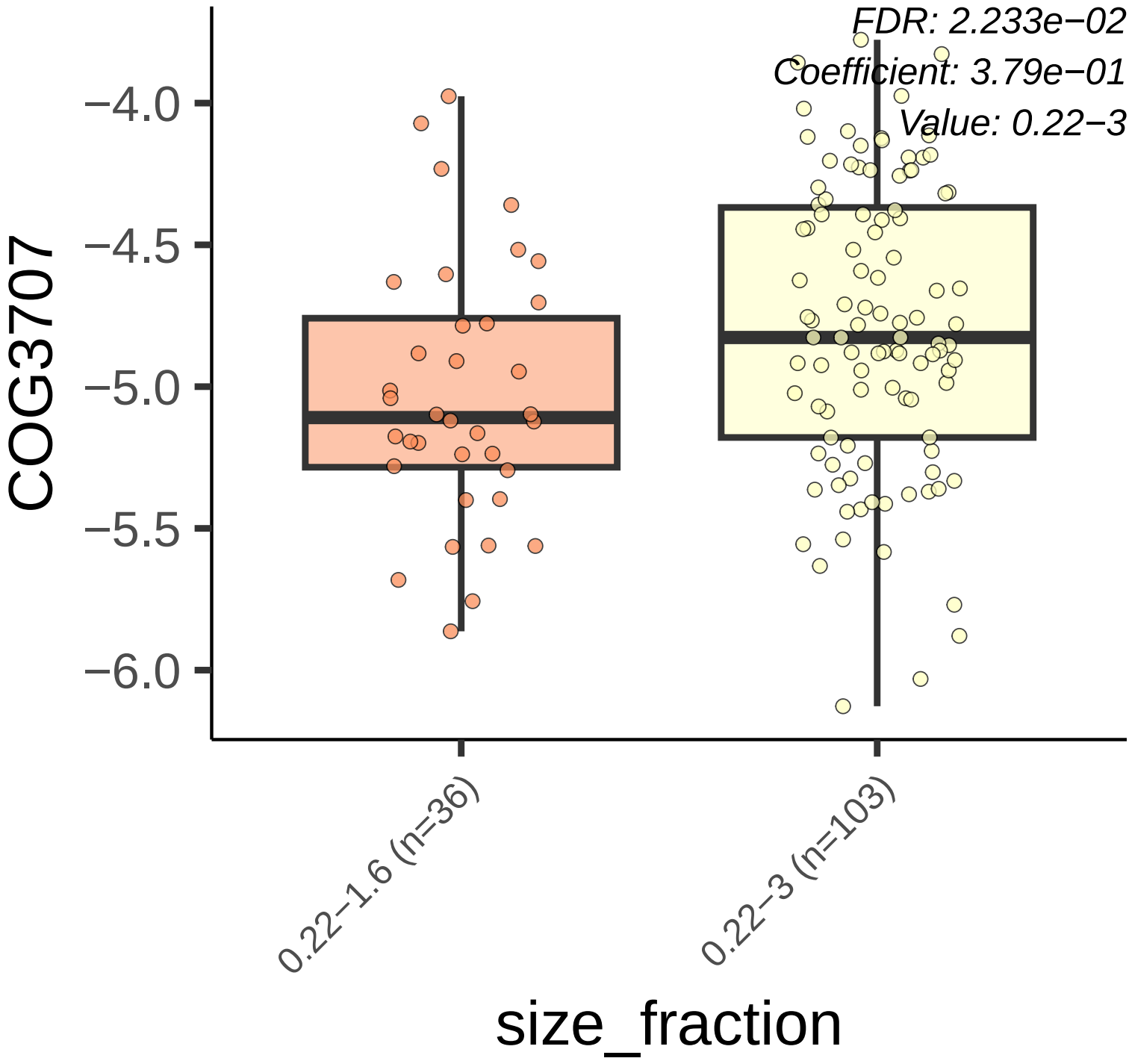
−5.00
−5.25
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

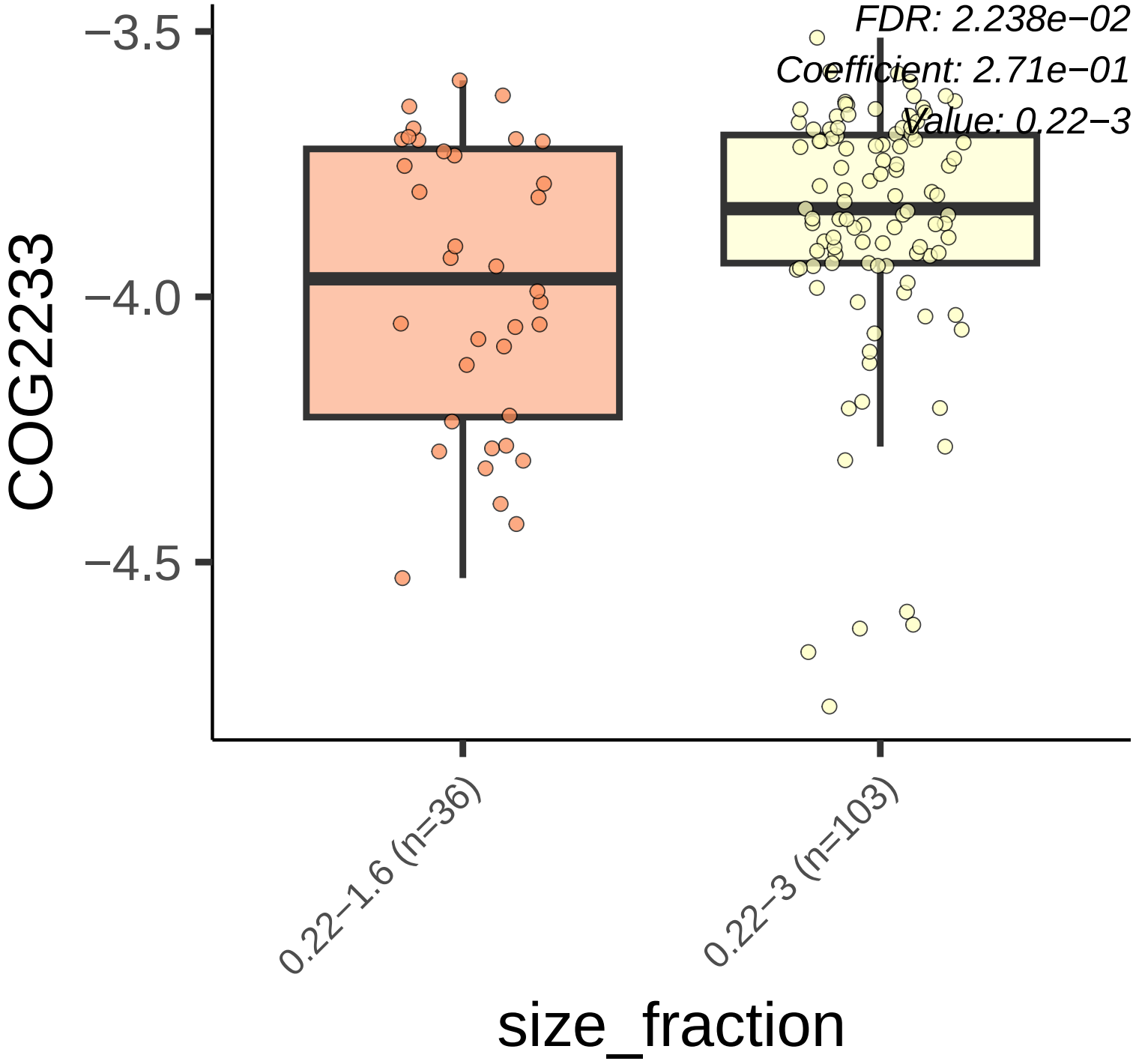

FDR: 2.200e−02
Coefficient: −6.24e−02
Value: 0.22−3
COG2227
−3.1
−3.2
−3.3
−3.4
−3.5
−3.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

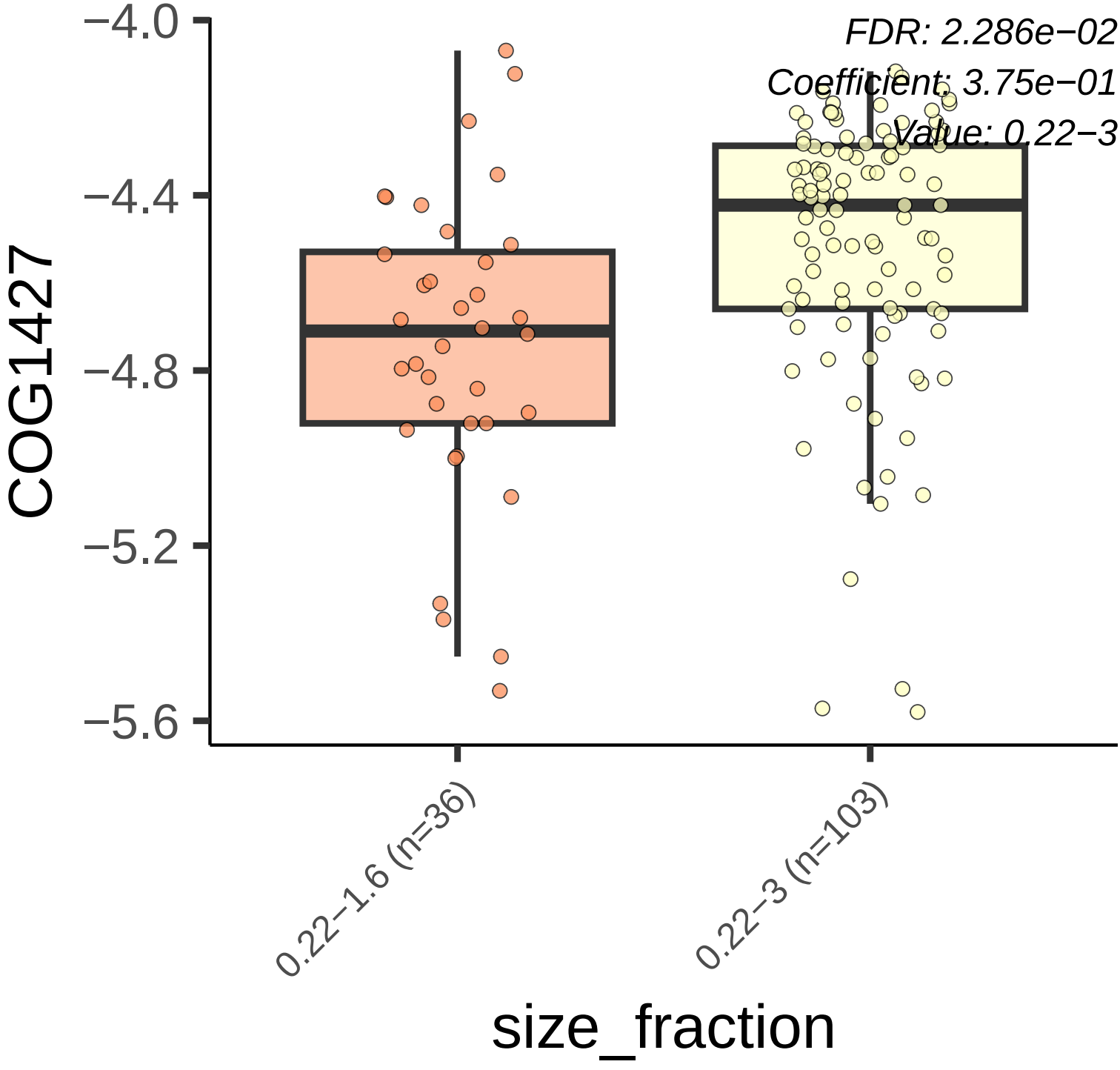

FDR: 2.214e−02
Coefficient: 1.06e−01
Value: 0.22−3
COG1524
−3.3
−3.5
−3.7
−3.9
−4.1
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

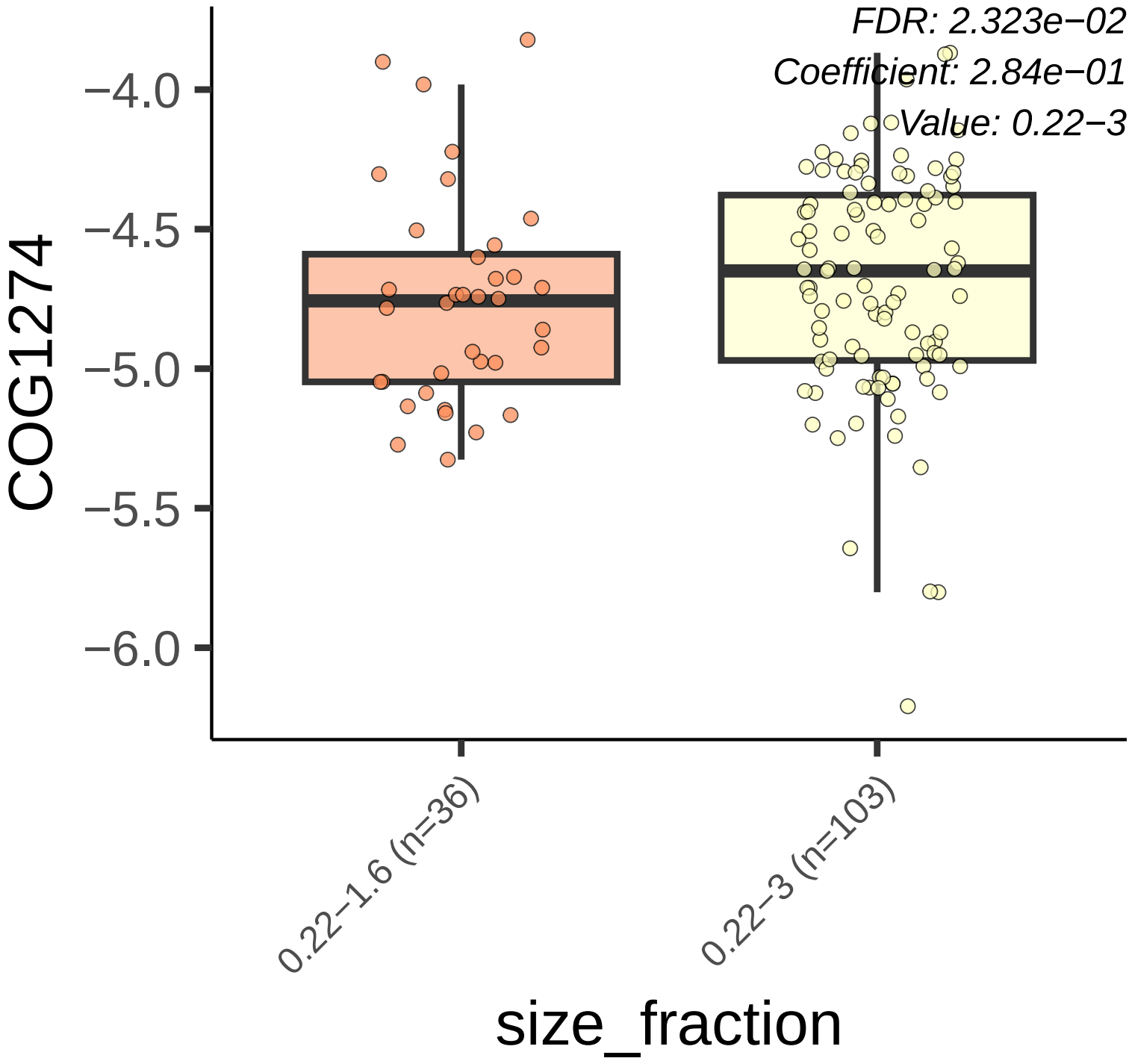

FDR: 2.214e−02
Coefficient: 1.50e+00
Value: 0.22−3
COG1915
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

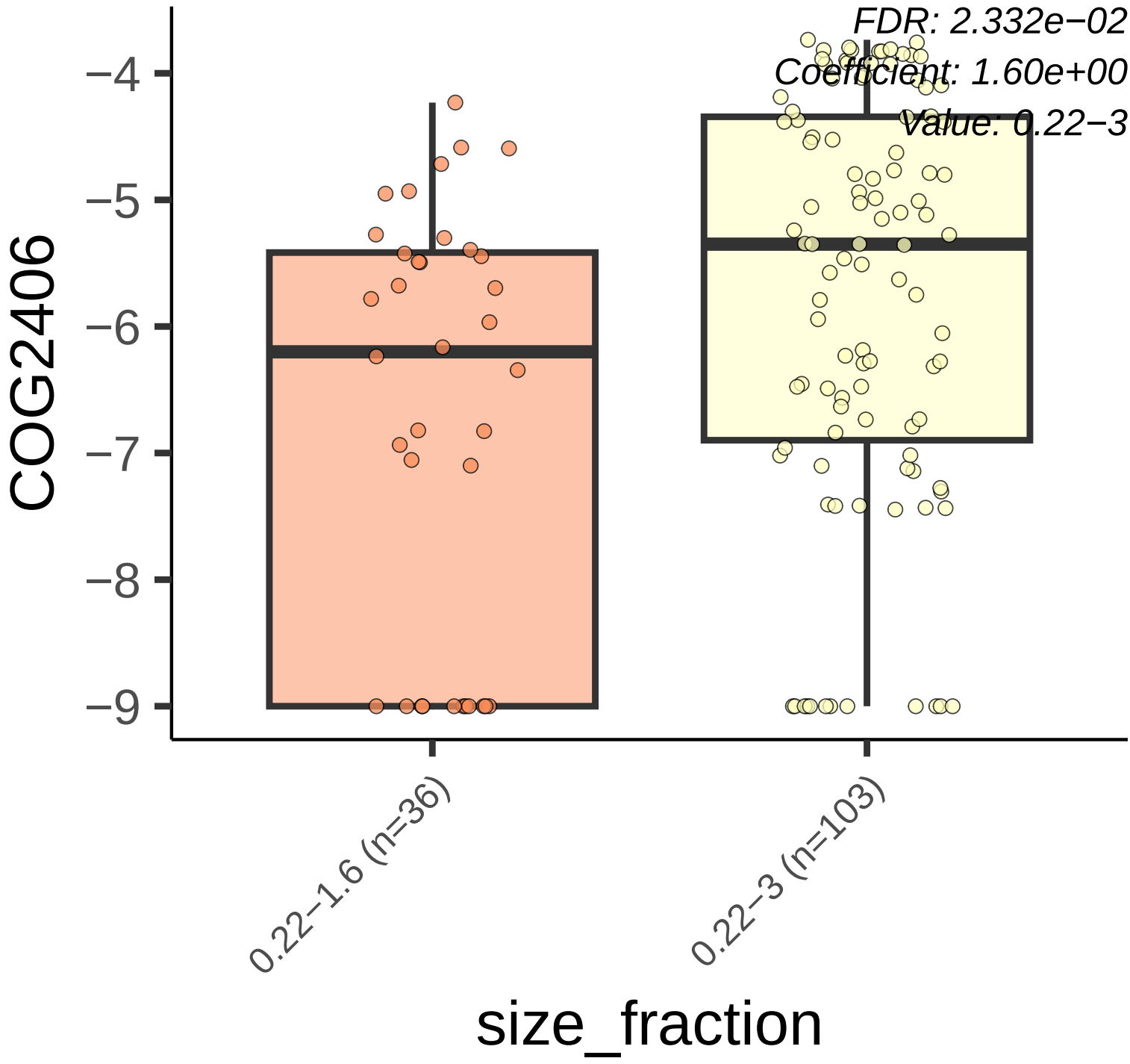

FDR: 2.222e−02
Coefficient: 2.99e−01
Value: 0.22−3
COG3361
−4.4
−4.8
−5.2
−5.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

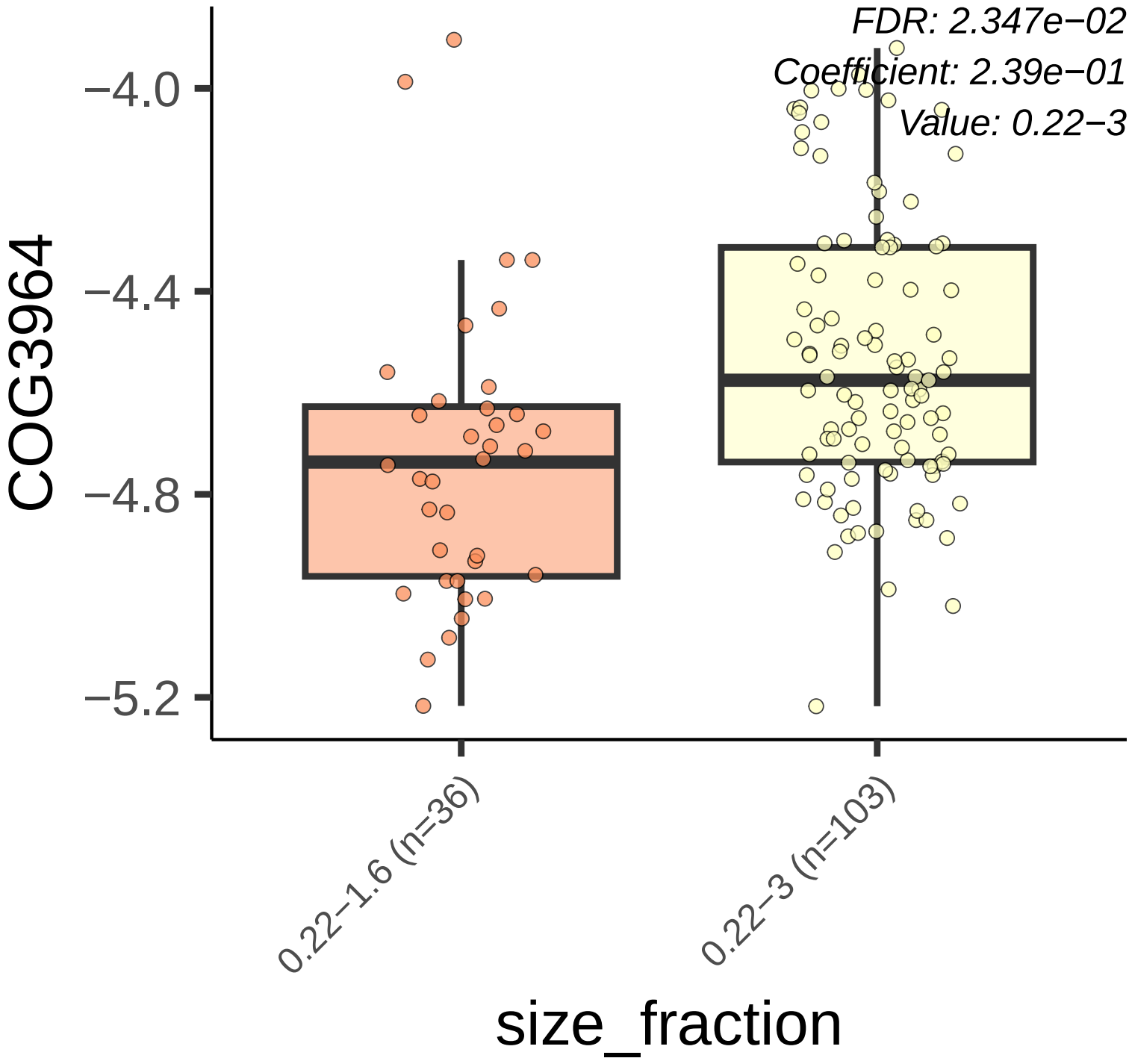

FDR: 2.233e−02
Coefficient: 3.79e−01
Value: 0.22−3
COG3707
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

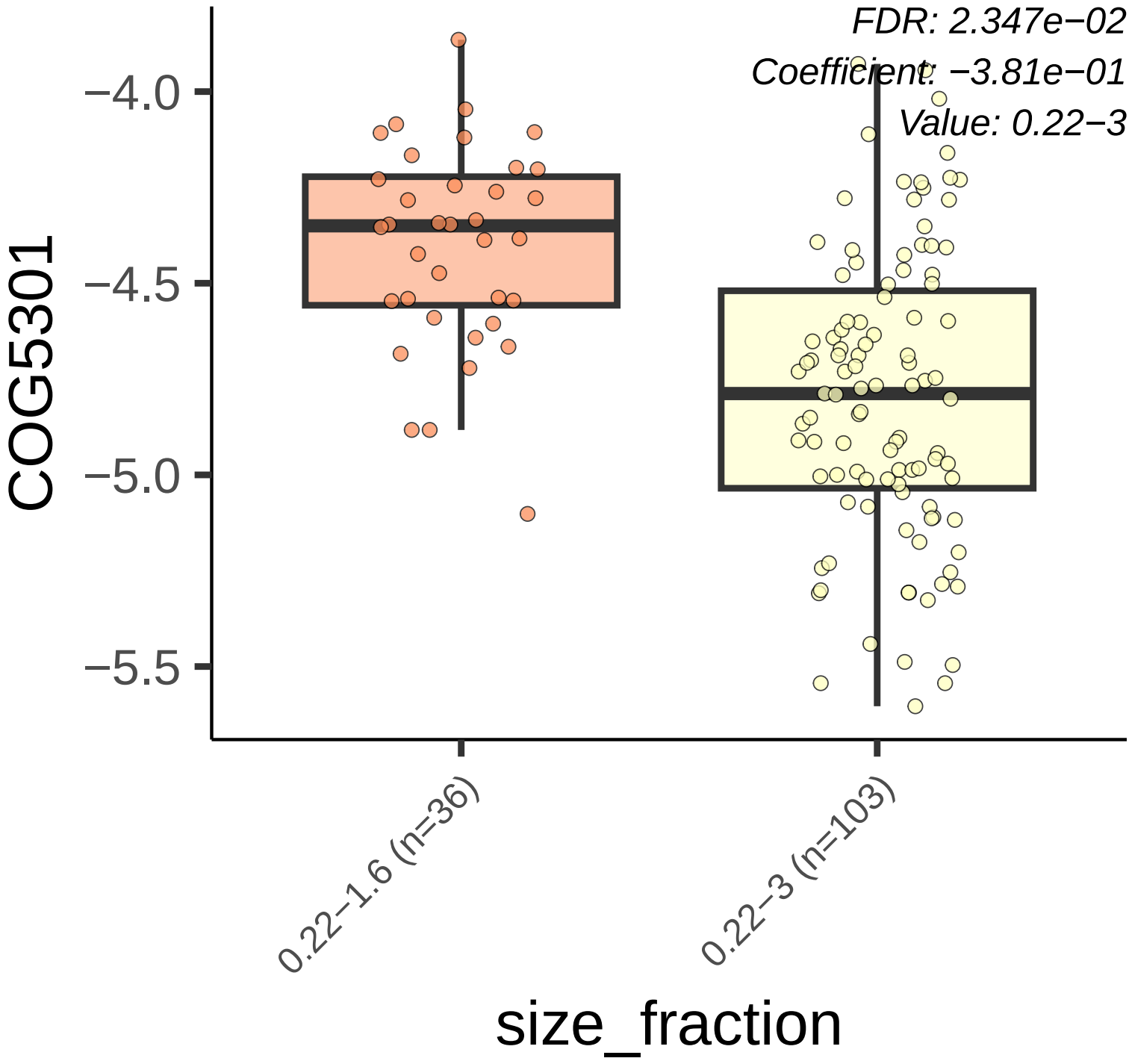

FDR: 2.238e−02
Coefficient: 2.71e−01
Value: 0.22−3
−3.5
−4.0
−4.5
COG2233
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

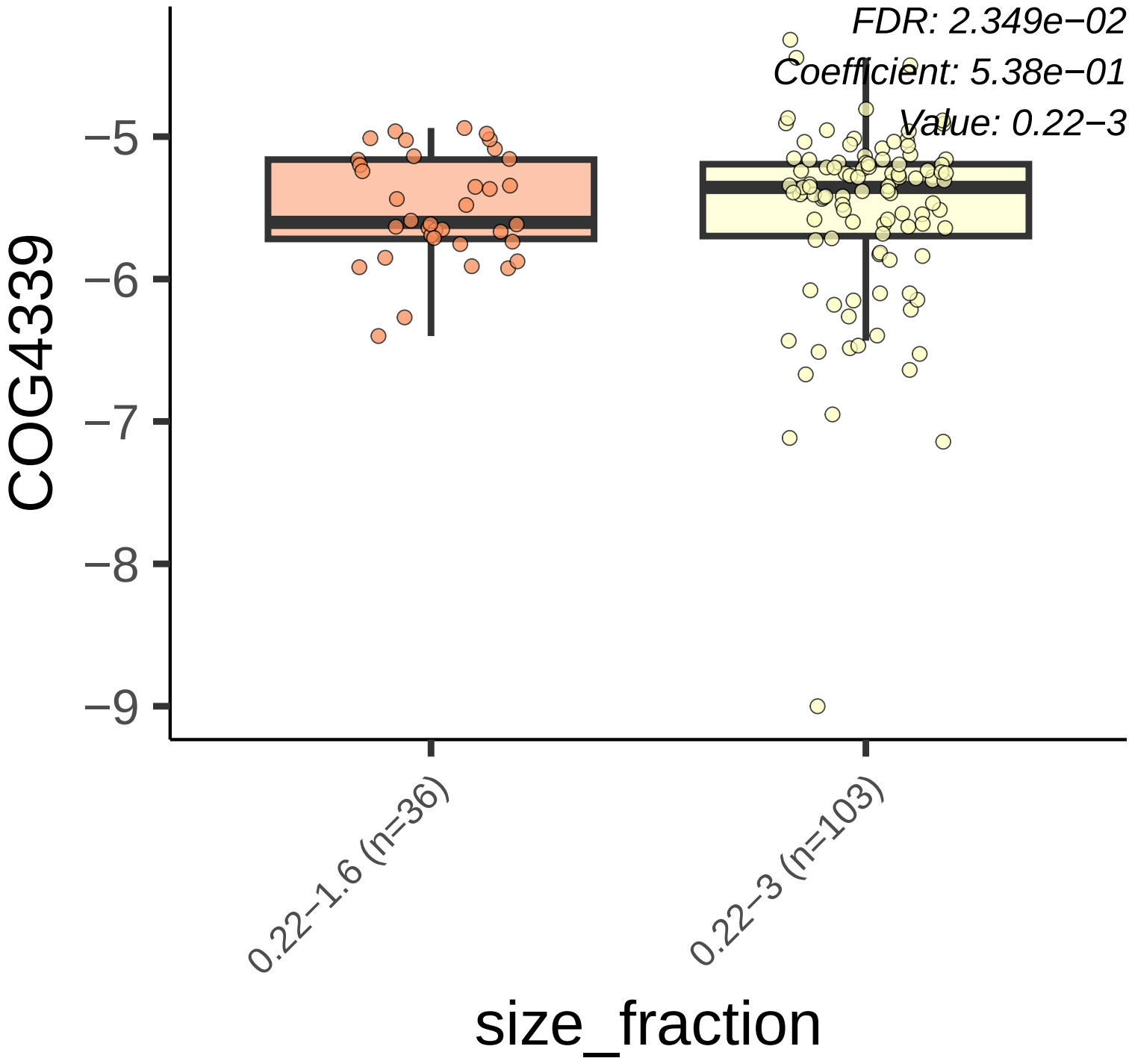

FDR: 2.286e−02
Coefficient: 3.75e−01
Value: 0.22−3
COG1427
−4.0
−4.4
−4.8
−5.2
−5.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

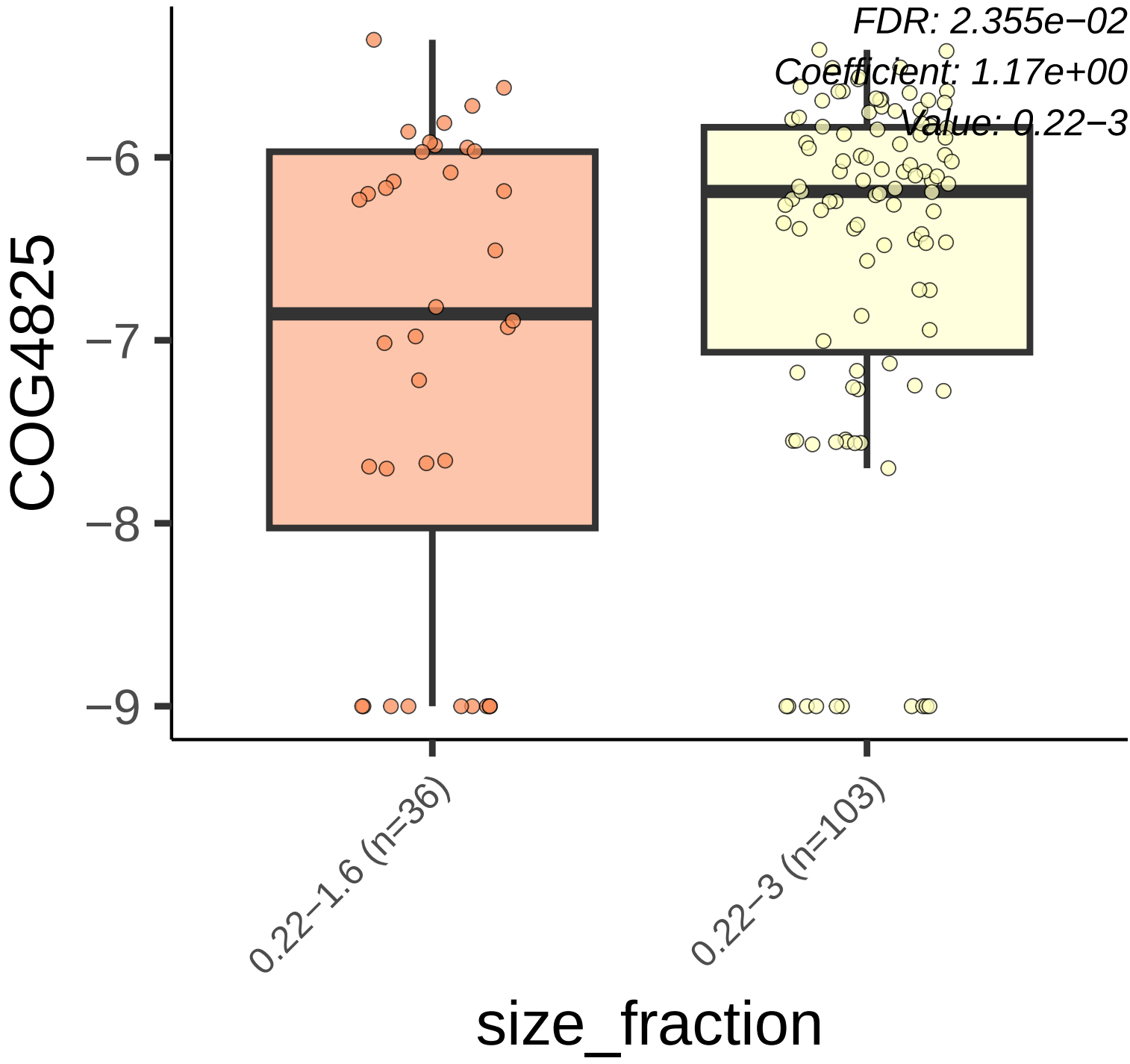

FDR: 2.323e−02
Coefficient: 2.84e−01
Value: 0.22−3
COG1274
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

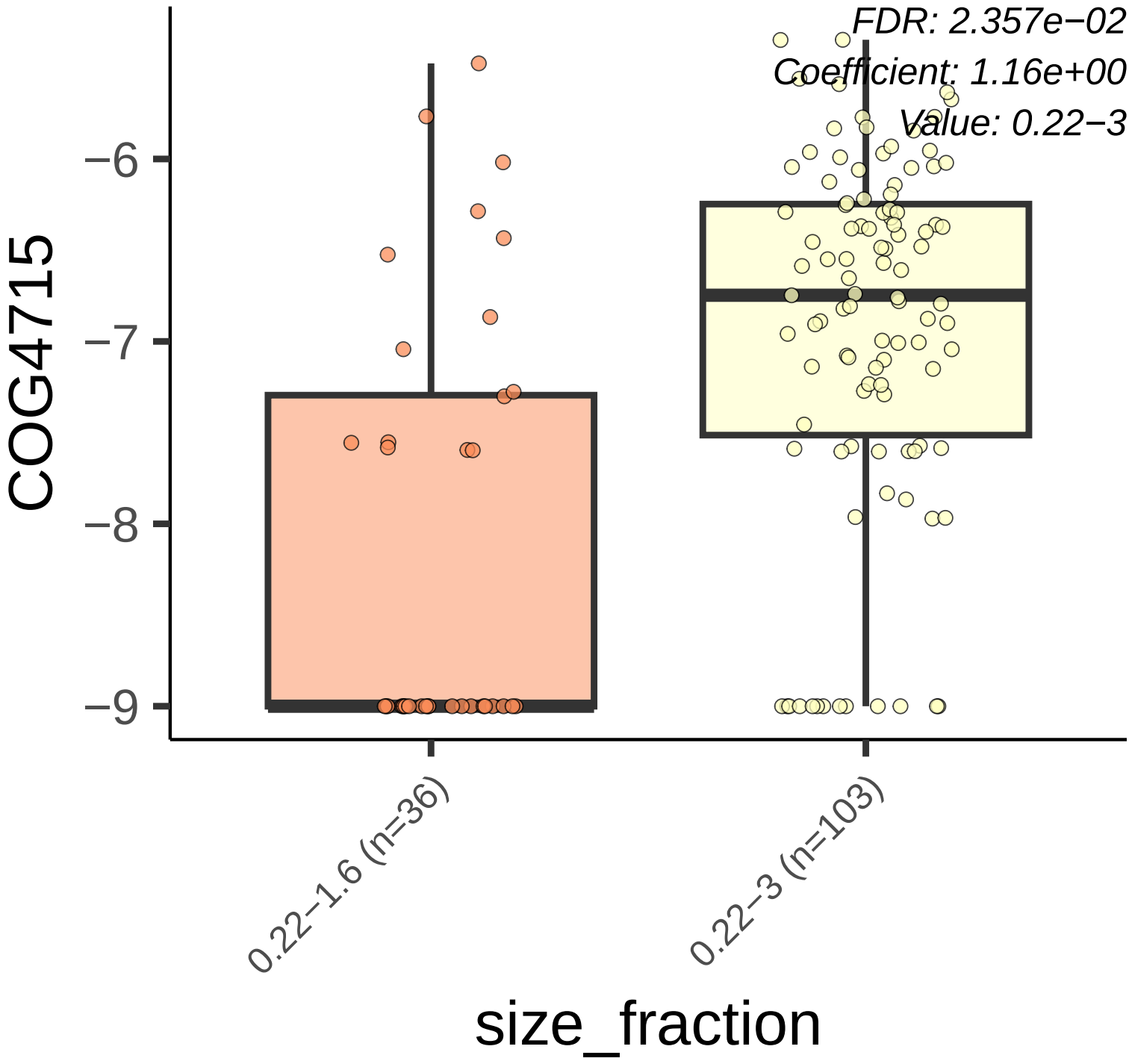

FDR: 2.332e−02
Coefficient: 1.60e+00
Value: 0.22−3
COG2406
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

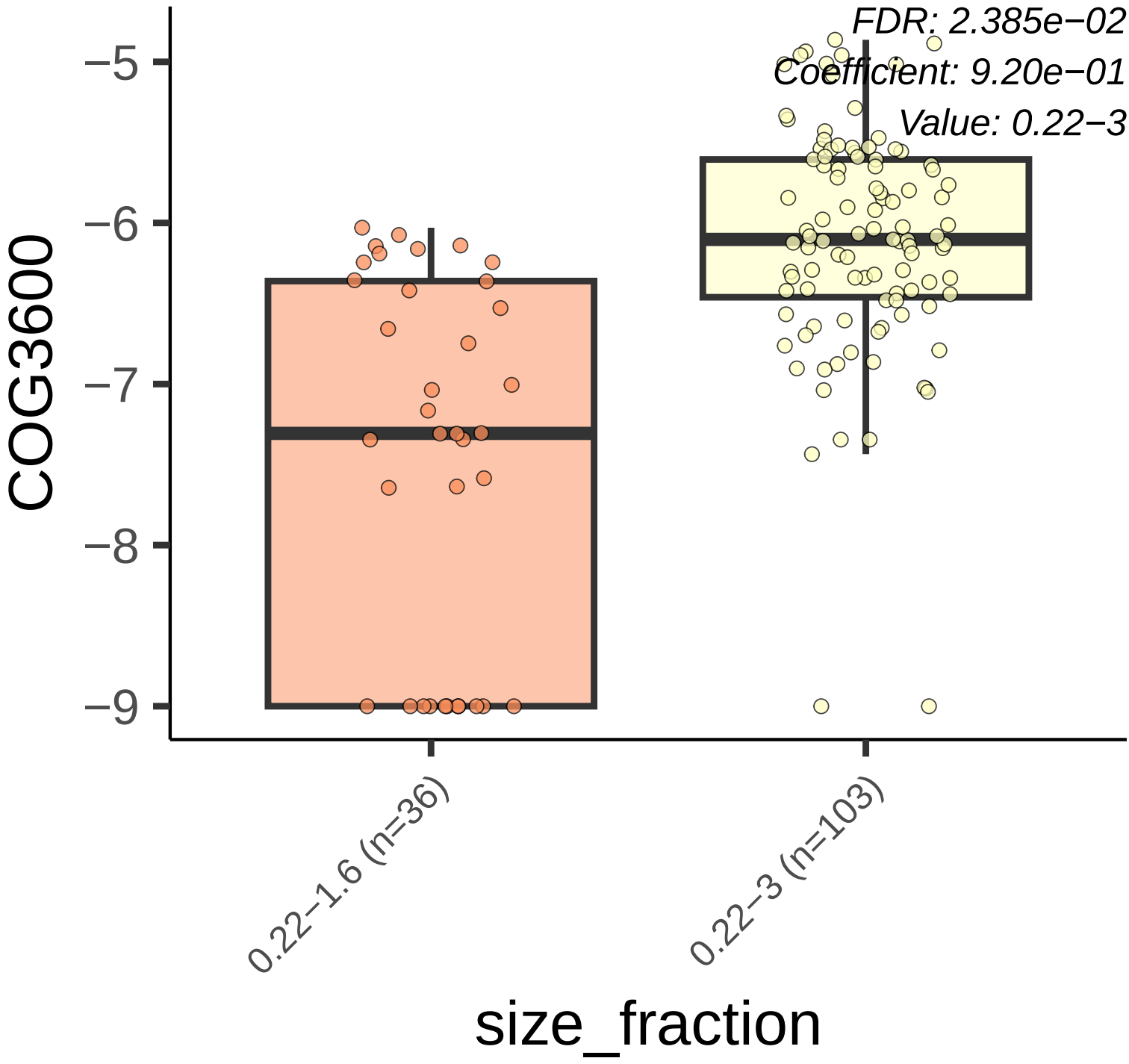

FDR: 2.347e−02
Coefficient: 2.39e−01
Value: 0.22−3
COG3964
−4.0
−4.4
−4.8
−5.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

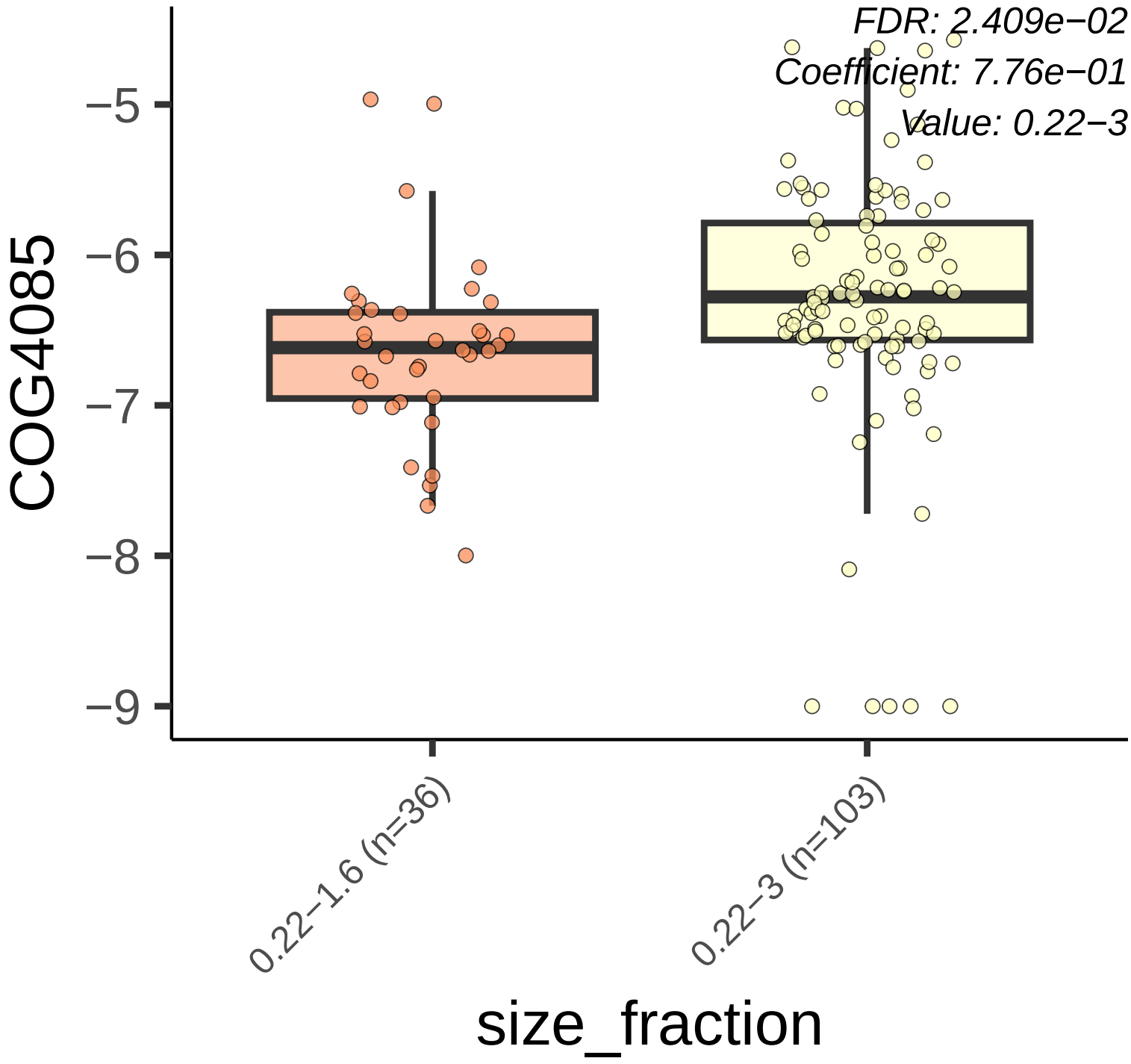

FDR: 2.347e−02
Coefficient: −3.81e−01
Value: 0.22−3
COG5301
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

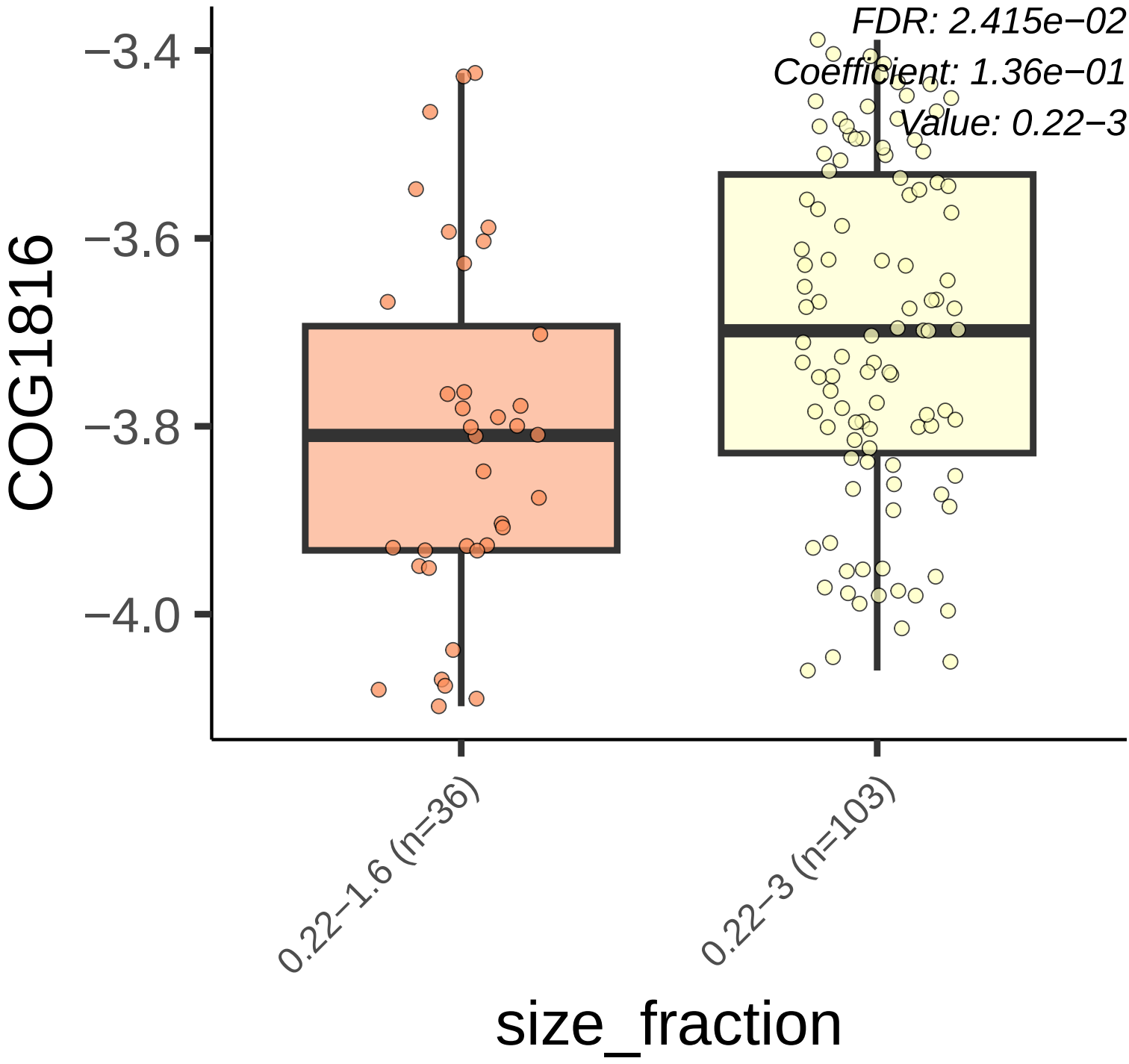

FDR: 2.349e−02
Coefficient: 5.38e−01
Value: 0.22−3
COG4339
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

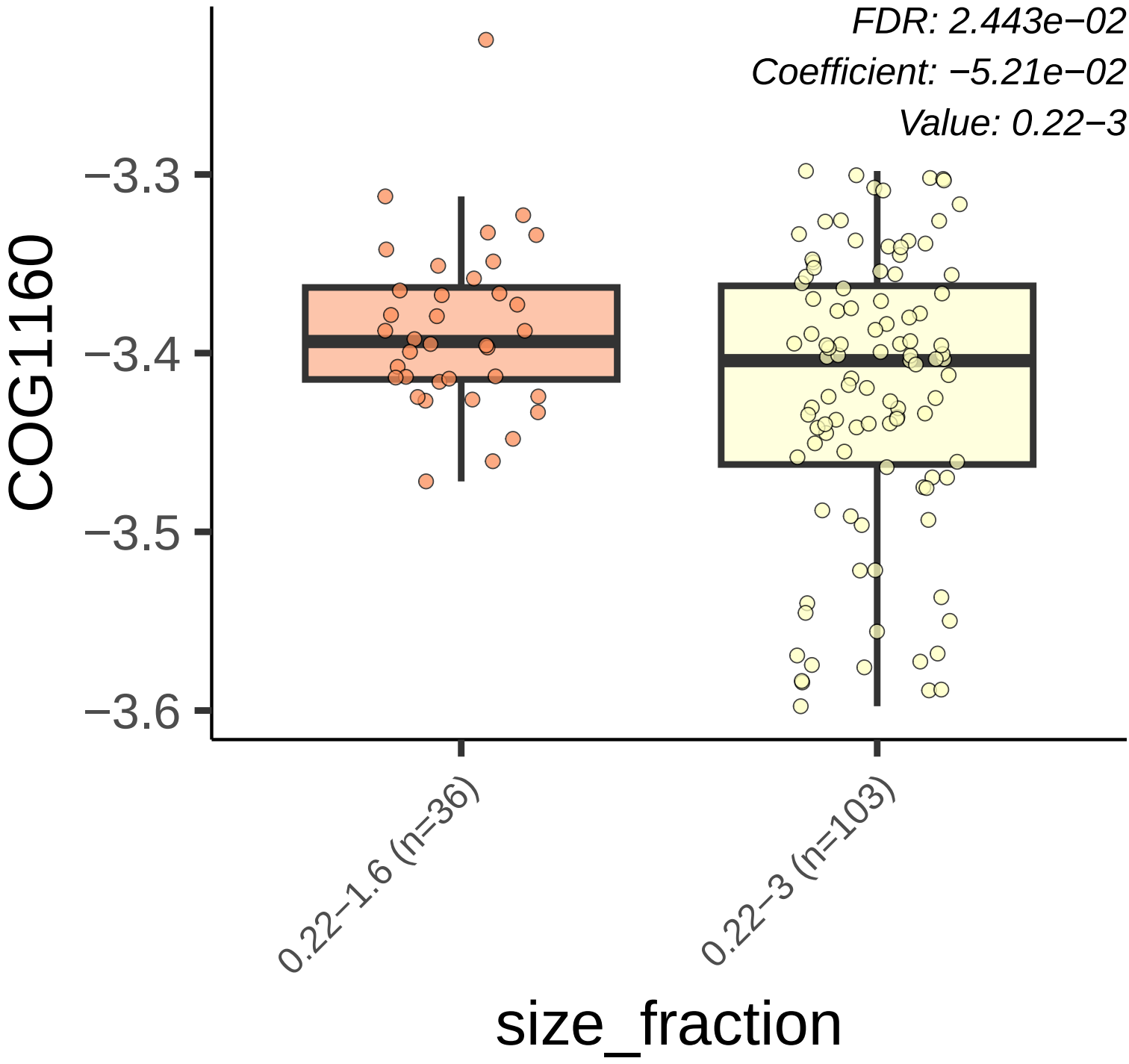

FDR: 2.355e−02
Coefficient: 1.17e+00
Value: 0.22−3
COG4825
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

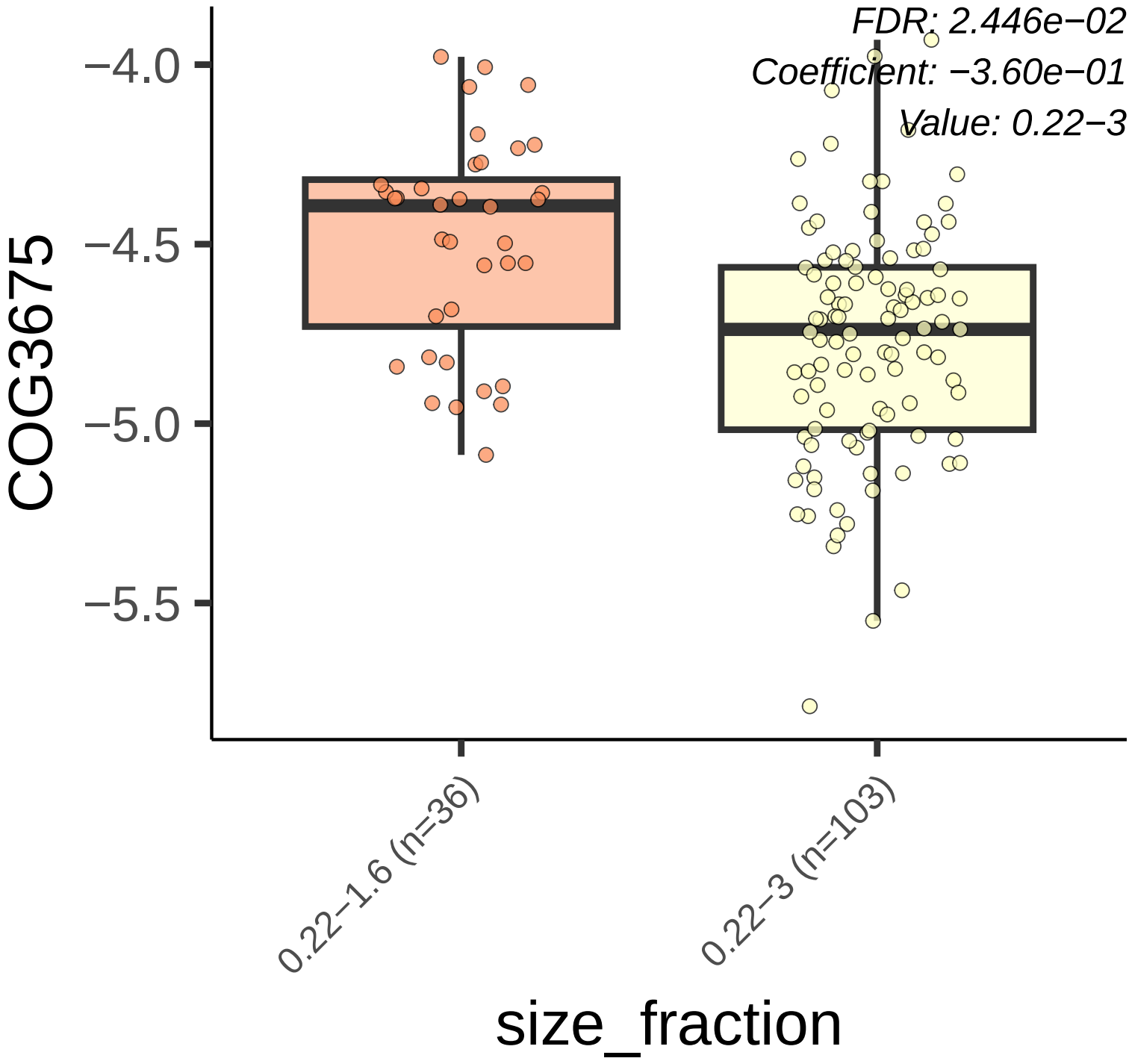

FDR: 2.357e−02
Coefficient: 1.16e+00
Value: 0.22−3
COG4715
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

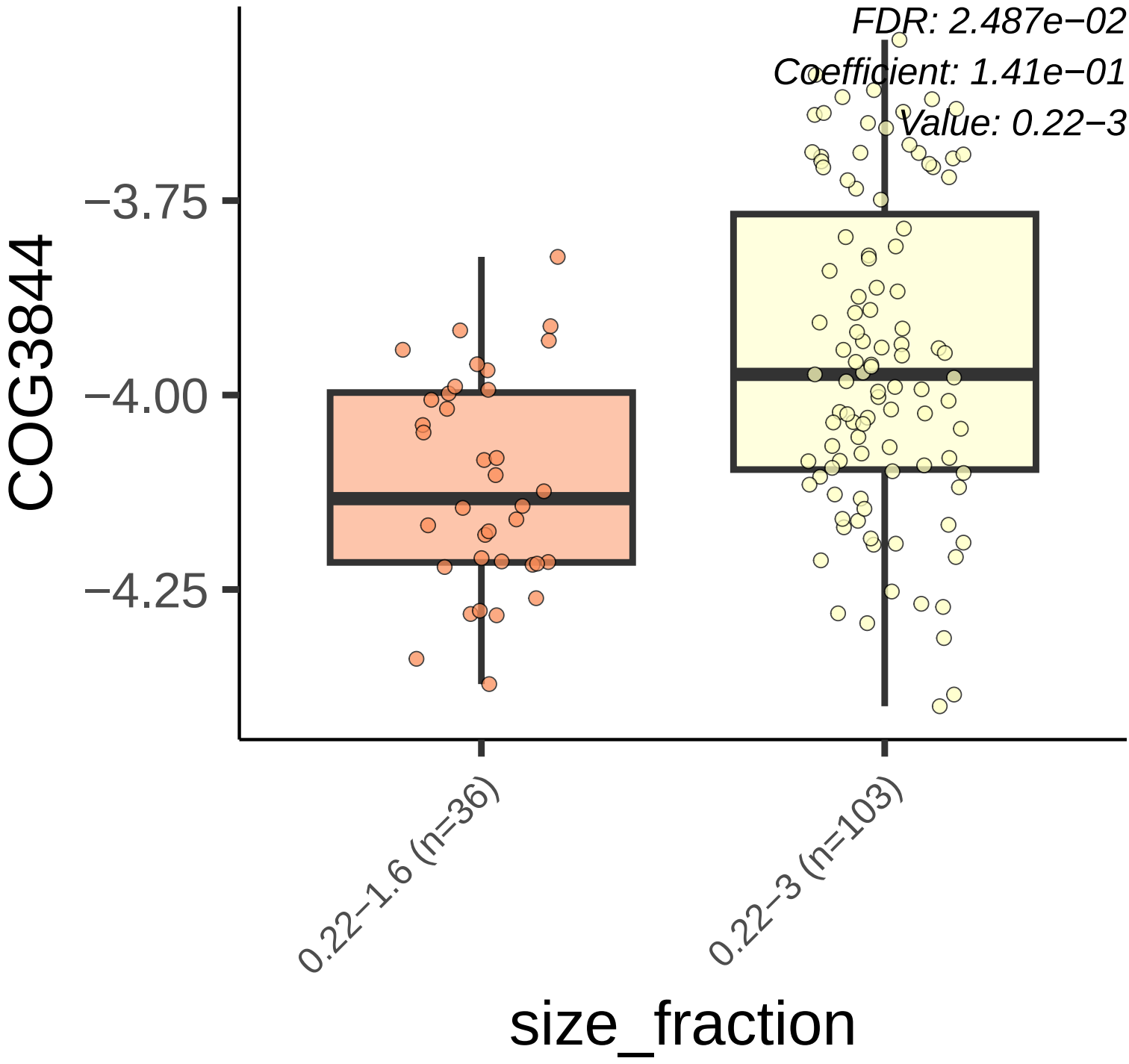

FDR: 2.385e−02
Coefficient: 9.20e−01
Value: 0.22−3
COG3600
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

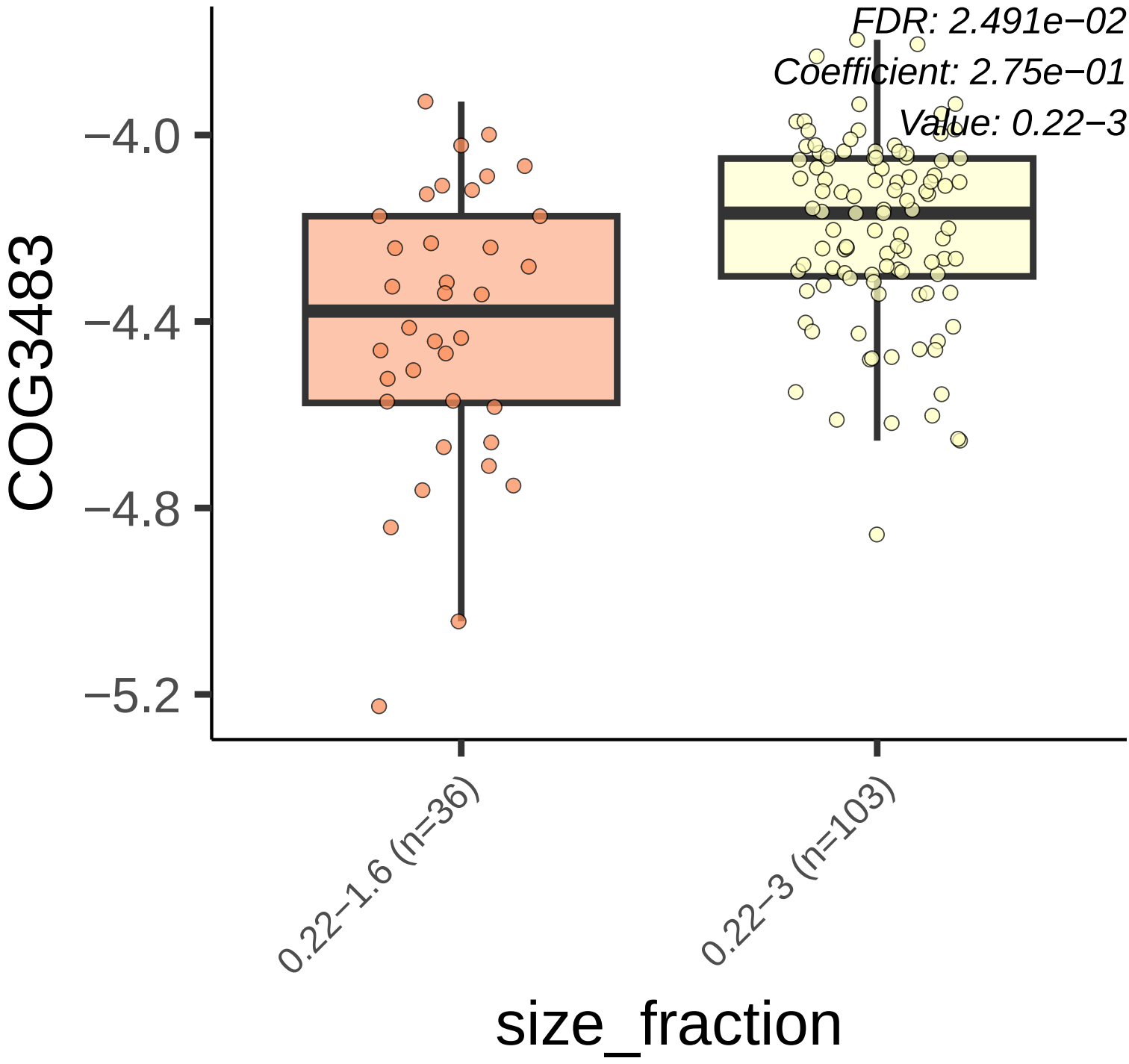

FDR: 2.409e−02
Coefficient: 7.76e−01
Value: 0.22−3
COG4085
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

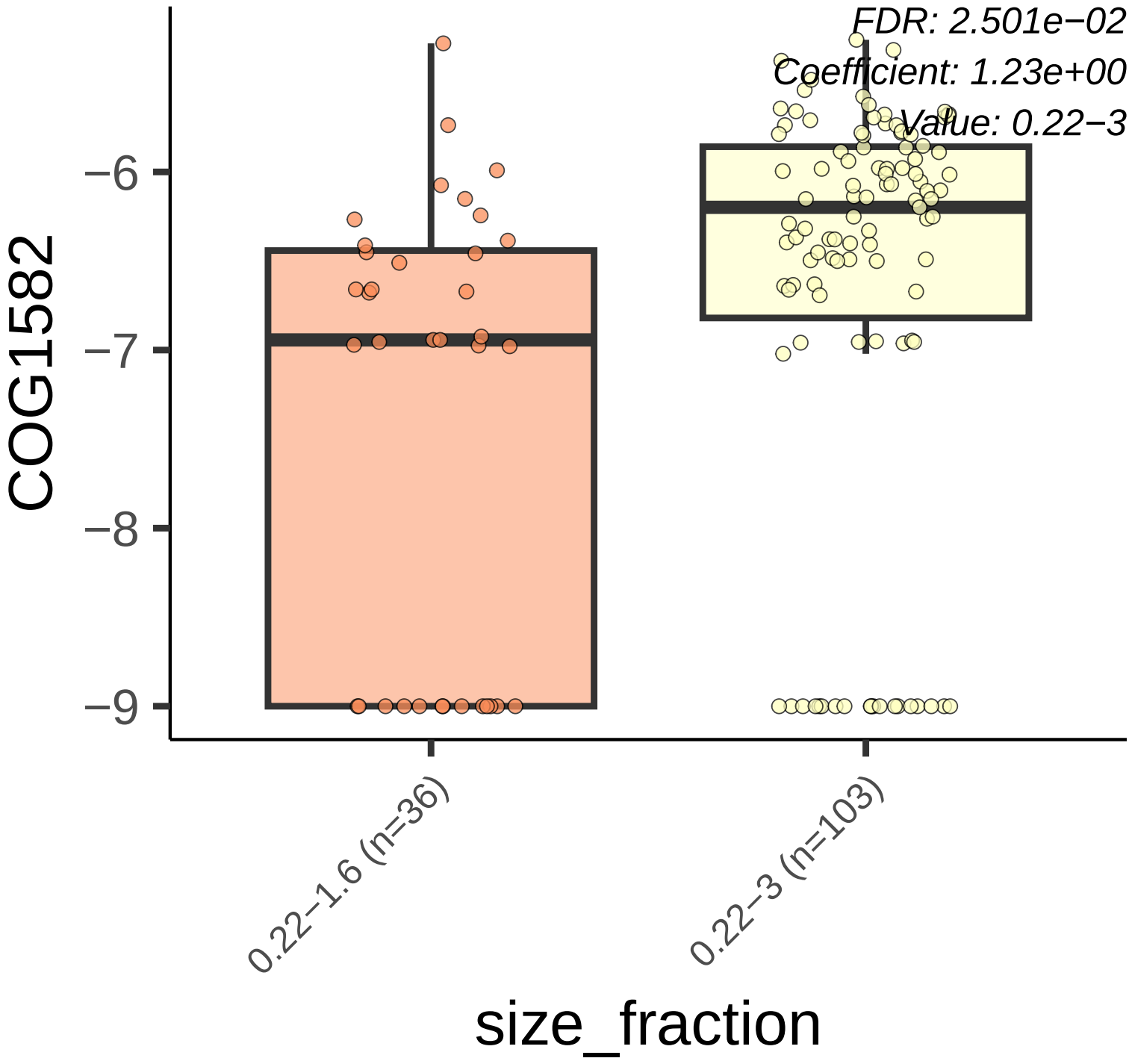

FDR: 2.415e−02
Coefficient: 1.36e−01
Value: 0.22−3
COG1816
−3.4
−3.6
−3.8
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

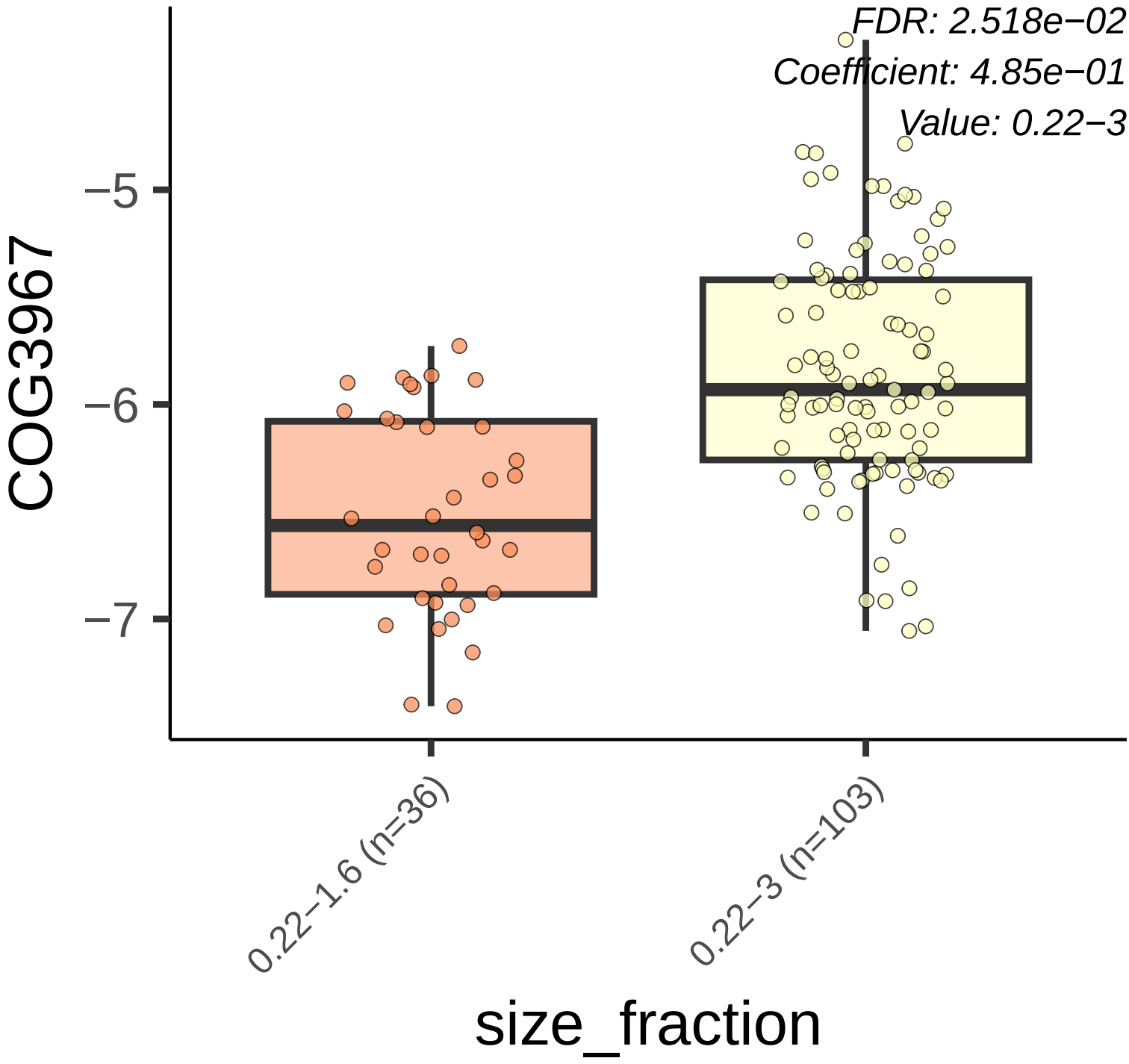

FDR: 2.443e−02
Coefficient: −5.21e−02
Value: 0.22−3
COG1160
−3.3
−3.4
−3.5
−3.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

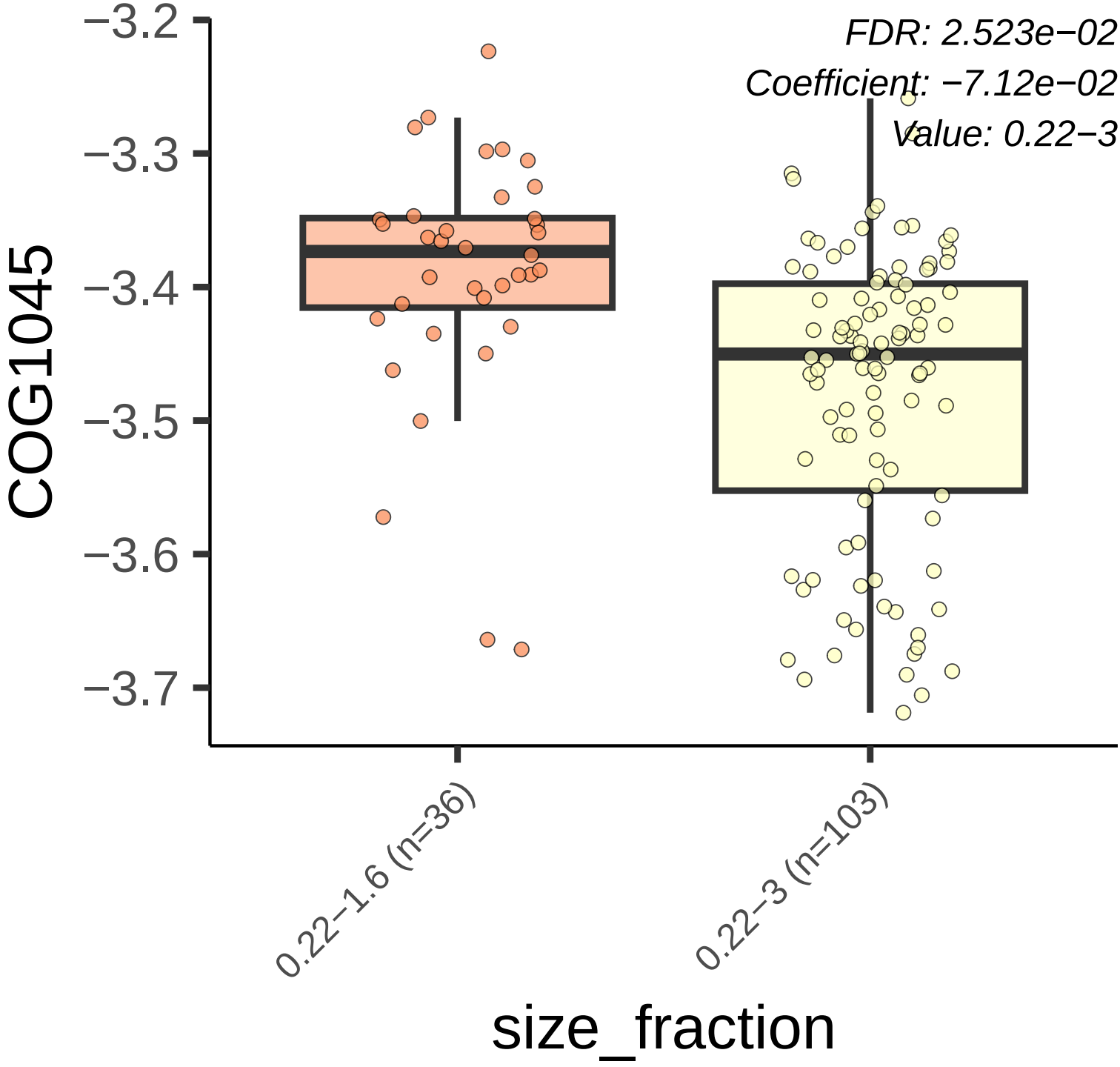

FDR: 2.446e−02
Coefficient: −3.60e−01
Value: 0.22−3
COG3675
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

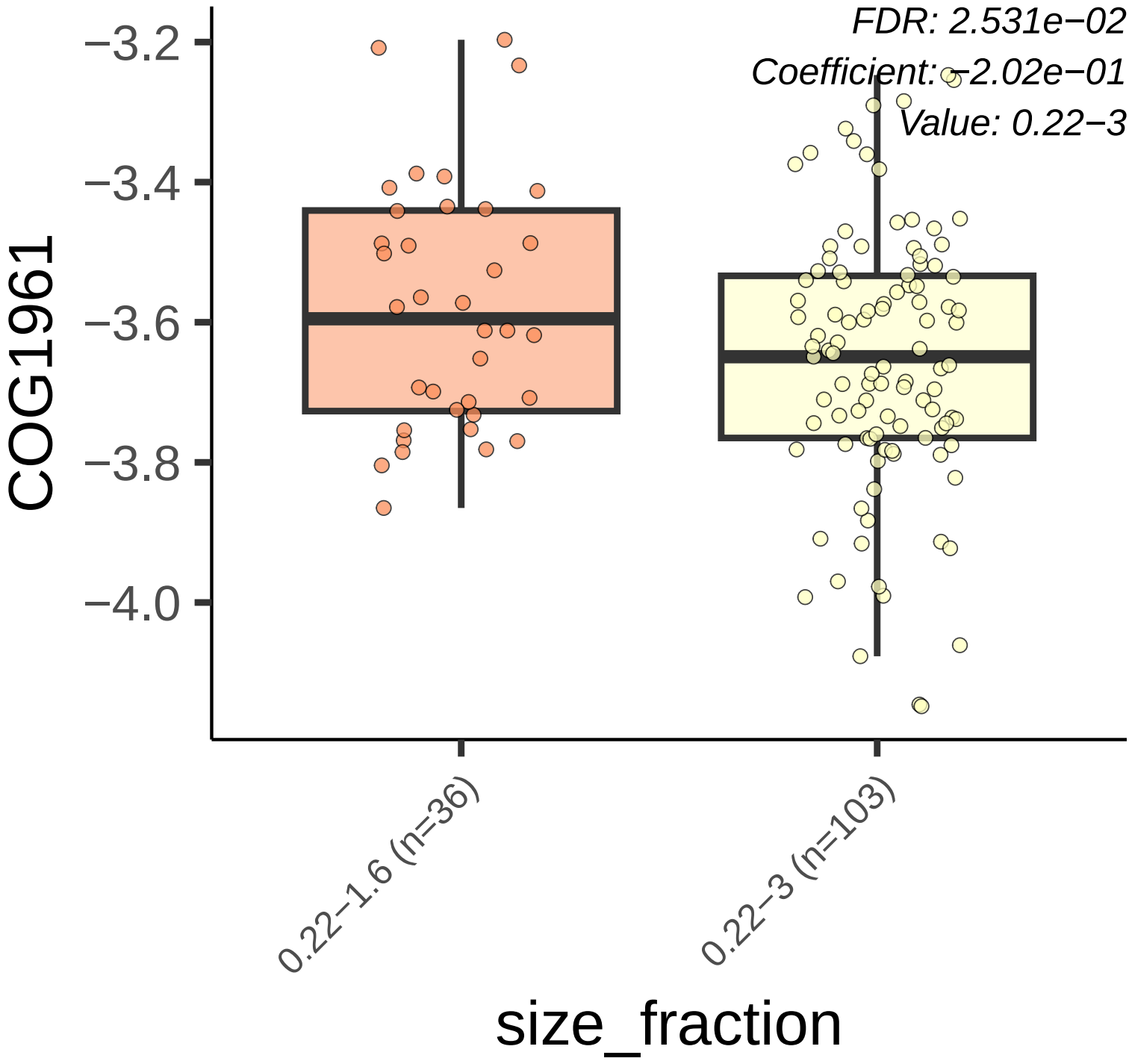

FDR: 2.487e−02
Coefficient: 1.41e−01
Value: 0.22−3
COG3844
−3.75
−4.00
−4.25
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

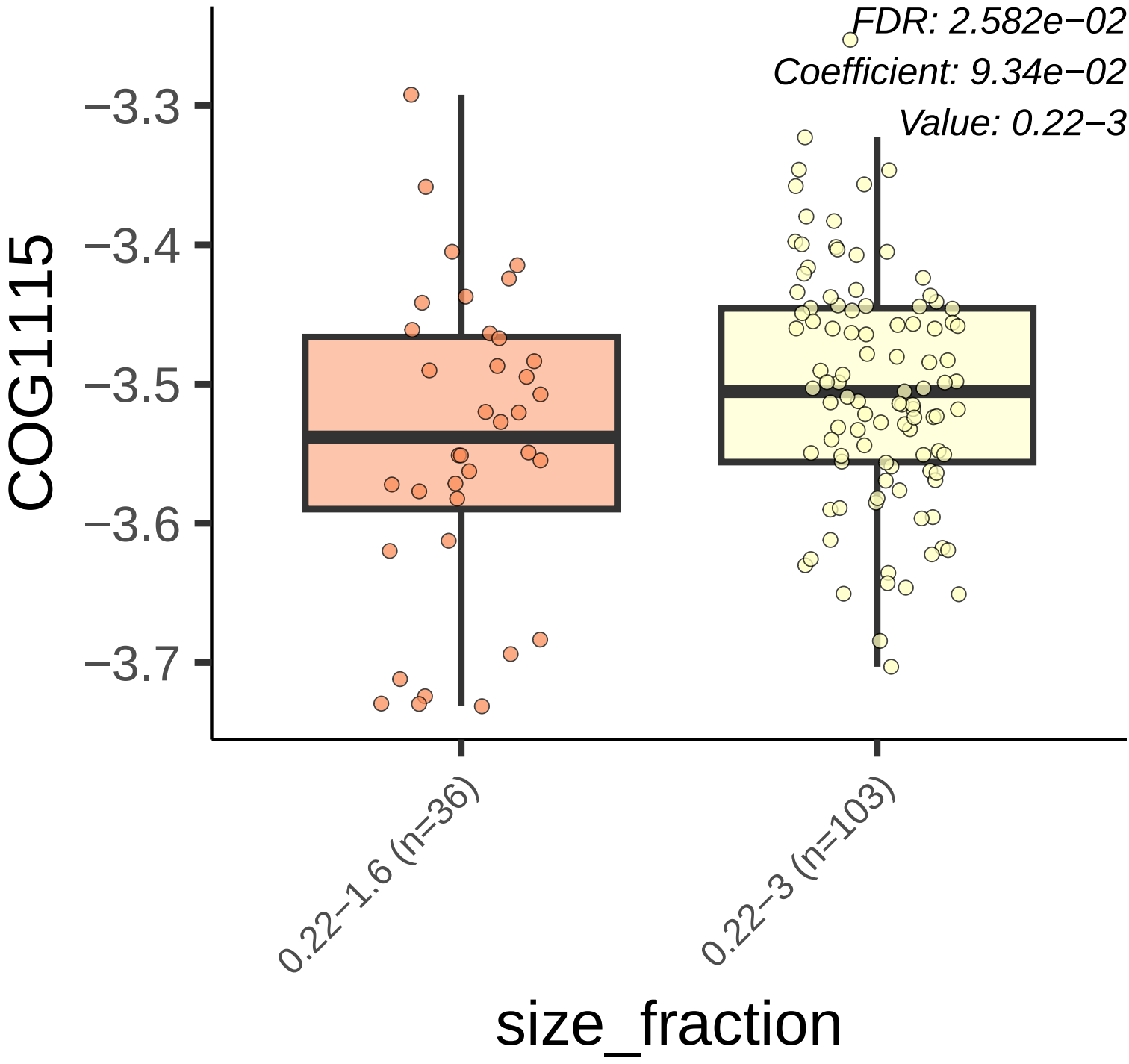

FDR: 2.491e−02
Coefficient: 2.75e−01
Value: 0.22−3
COG3483
−4.0
−4.4
−4.8
−5.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

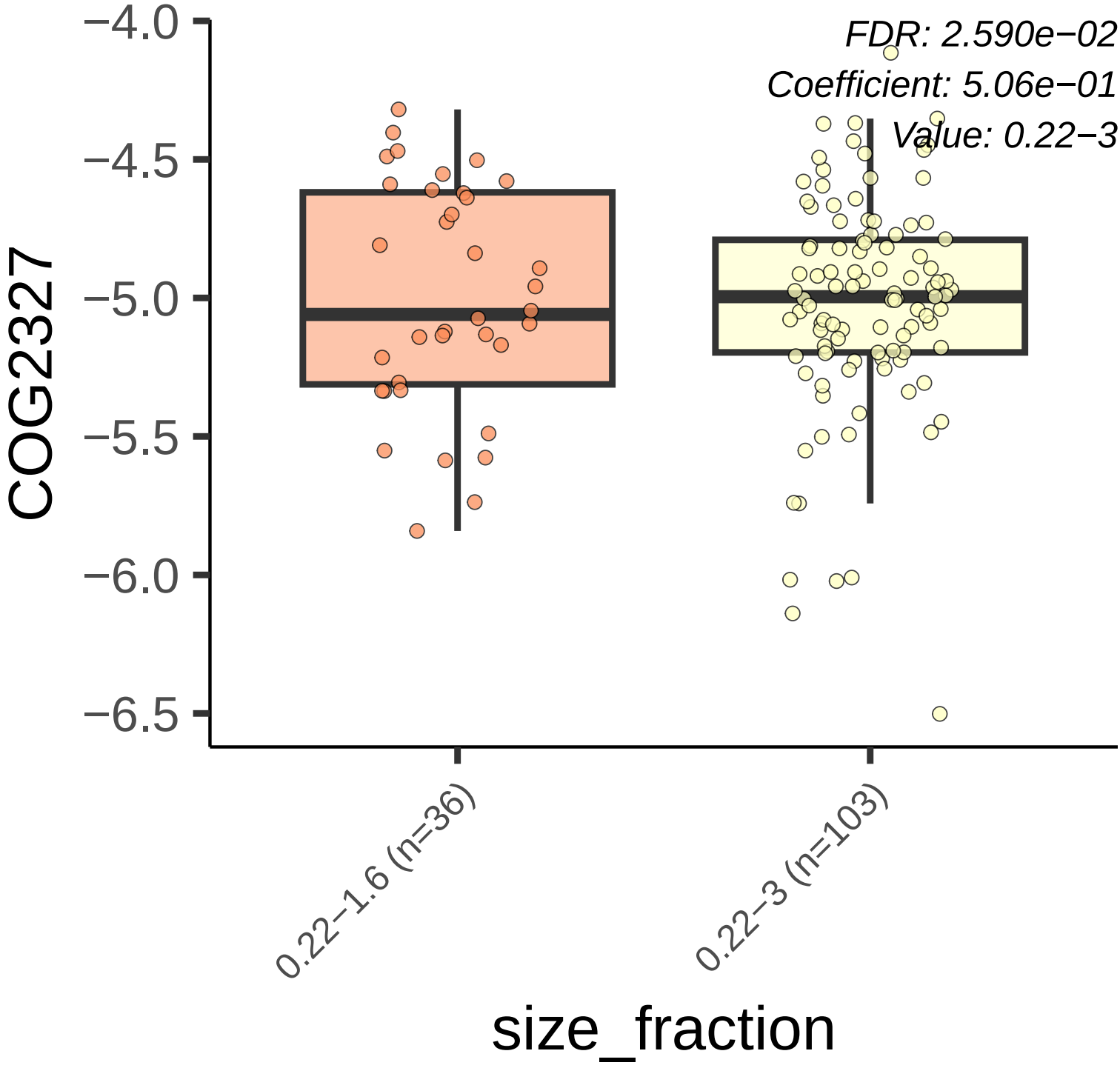

FDR: 2.501e−02
Coefficient: 1.23e+00
Value: 0.22−3
COG1582
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

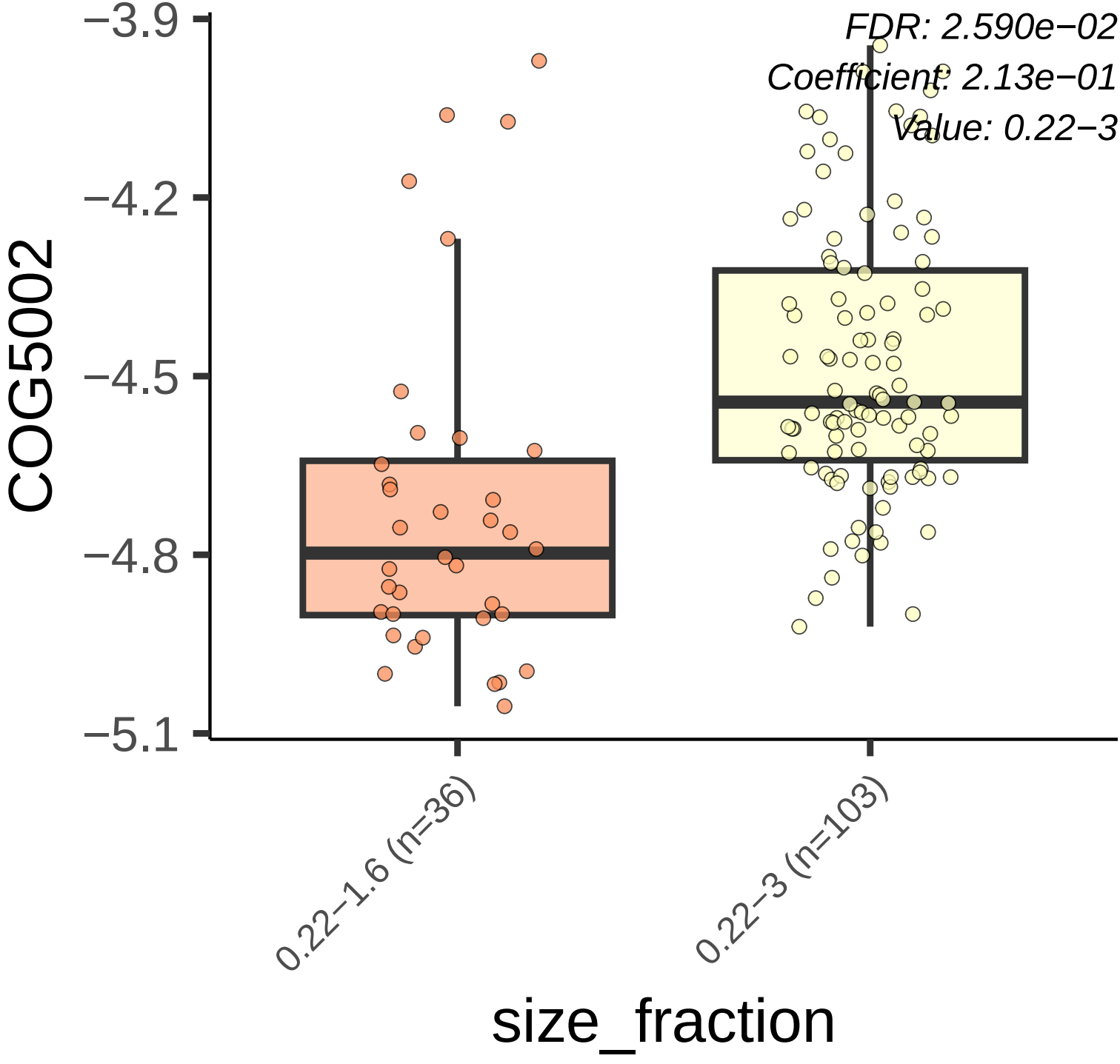

FDR: 2.518e−02
Coefficient: 4.85e−01
Value: 0.22−3
COG3967
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

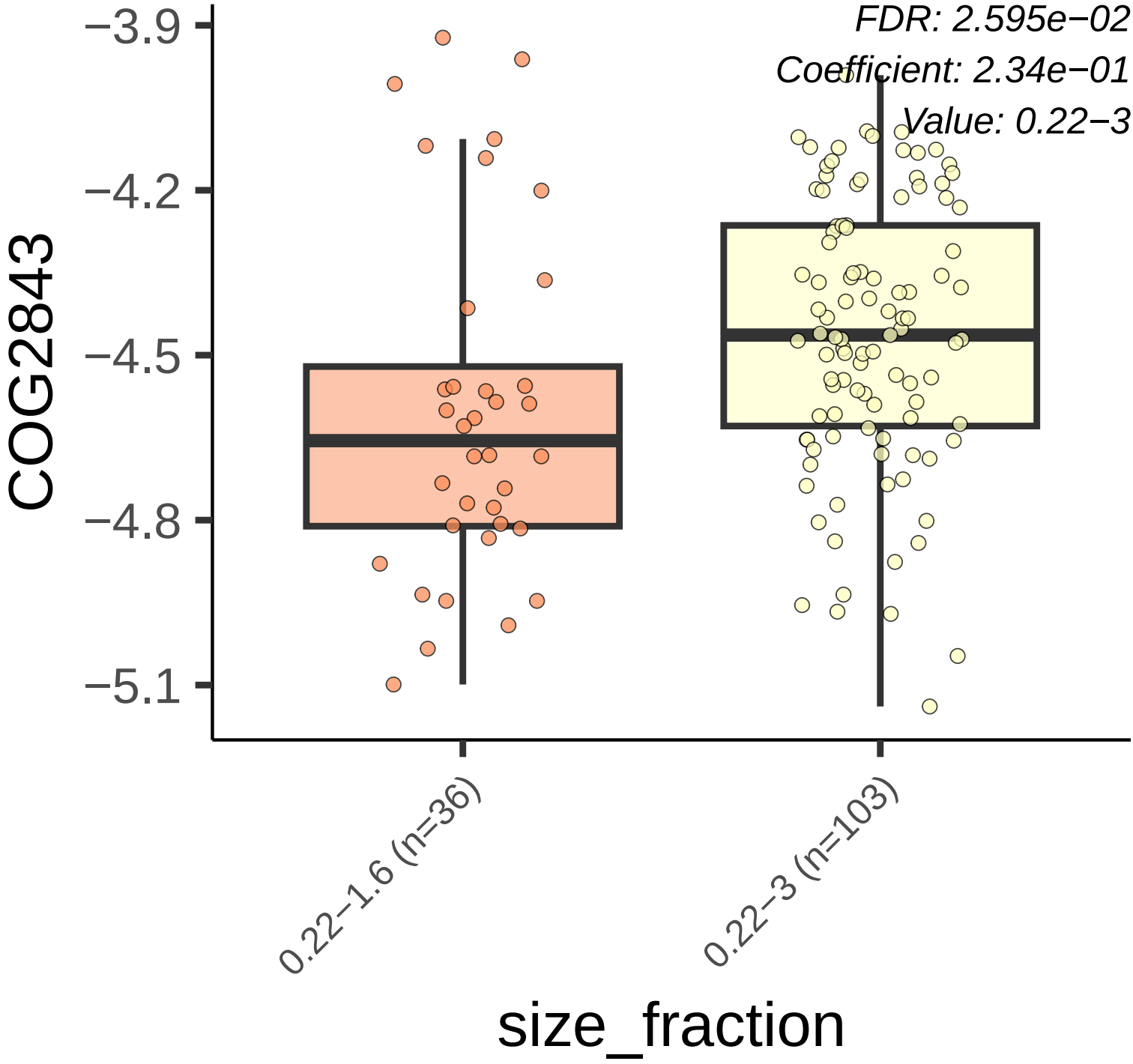

FDR: 2.523e−02
Coefficient: −7.12e−02
Value: 0.22−3
COG1045
−3.2
−3.3
−3.4
−3.5
−3.6
−3.7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

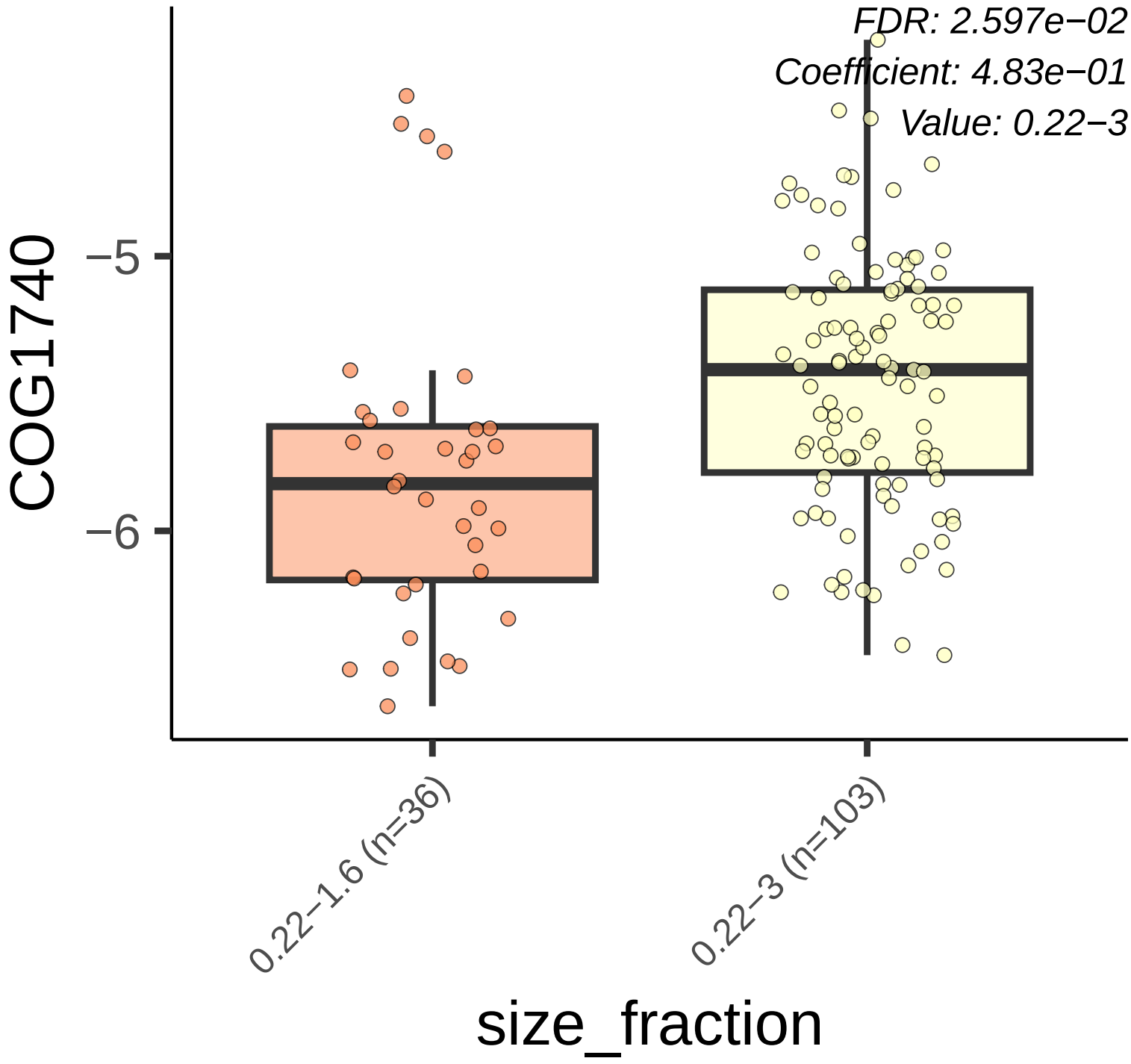

FDR: 2.531e−02
Coefficient: −2.02e−01
Value: 0.22−3
COG1961
−3.2
−3.4
−3.6
−3.8
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

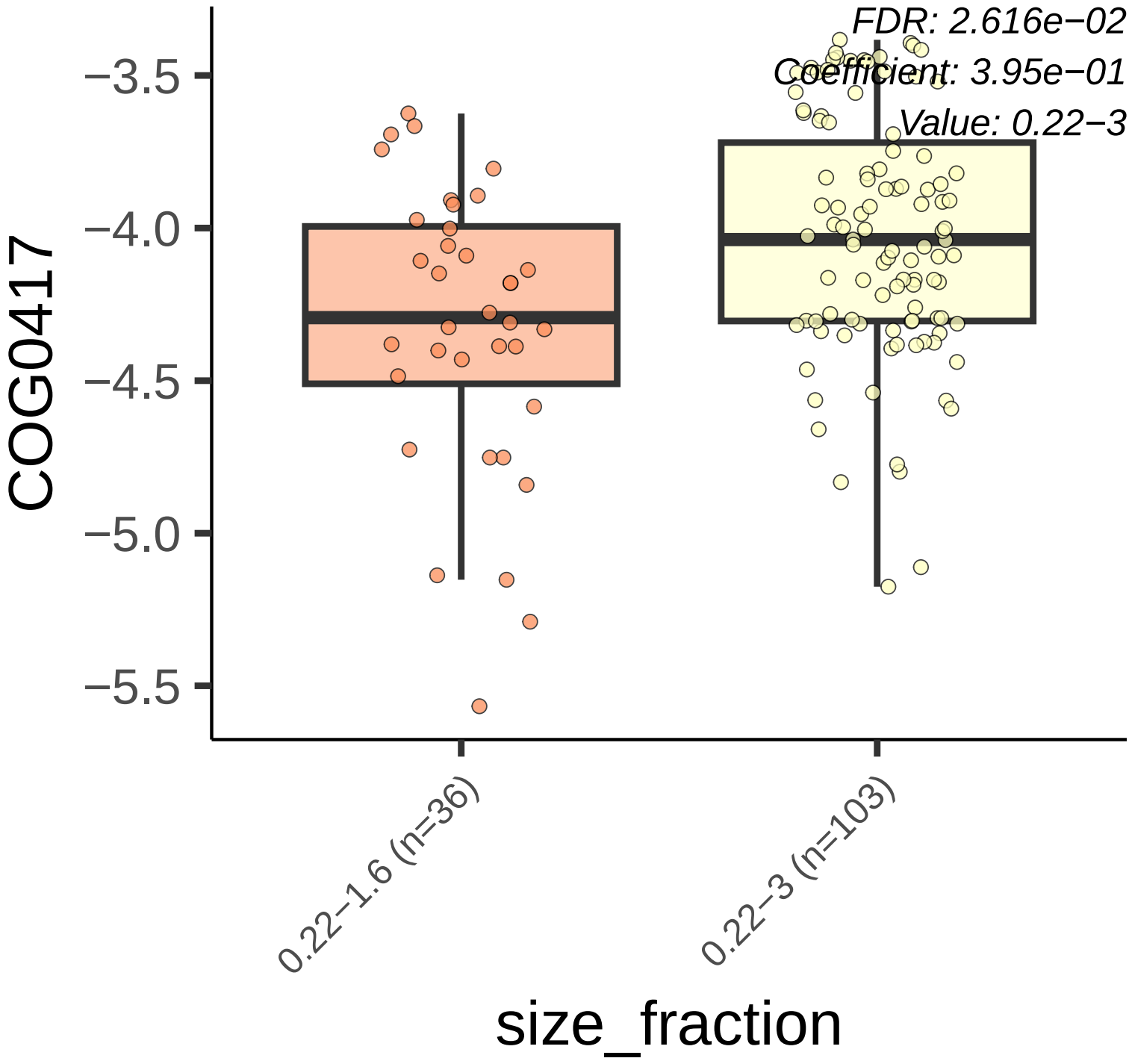

FDR: 2.582e−02
Coefficient: 9.34e−02
Value: 0.22−3
COG1115
−3.3
−3.4
−3.5
−3.6
−3.7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

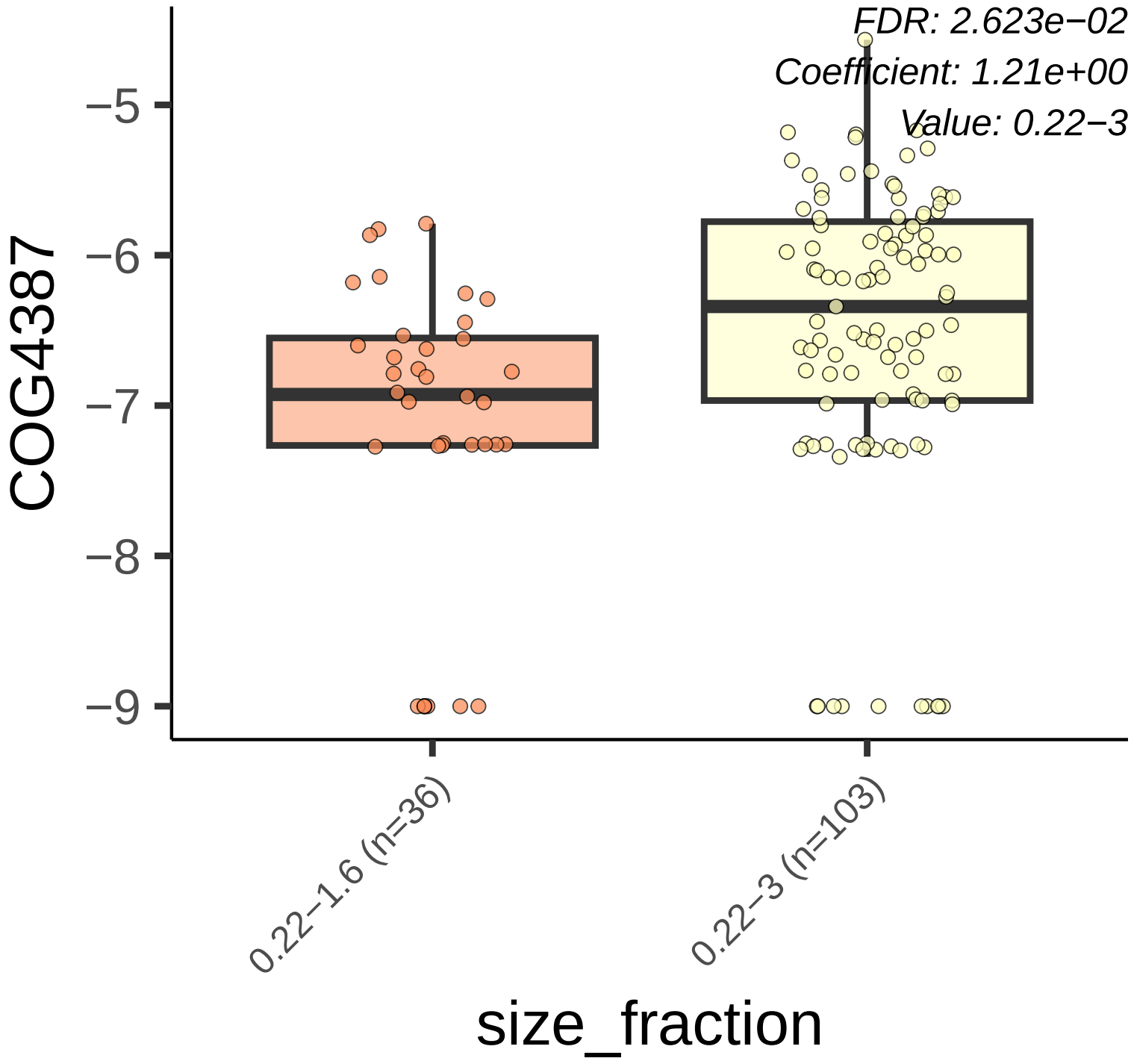

FDR: 2.590e−02
Coefficient: 5.06e−01
Value: 0.22−3
COG2327
−4.0
−4.5
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

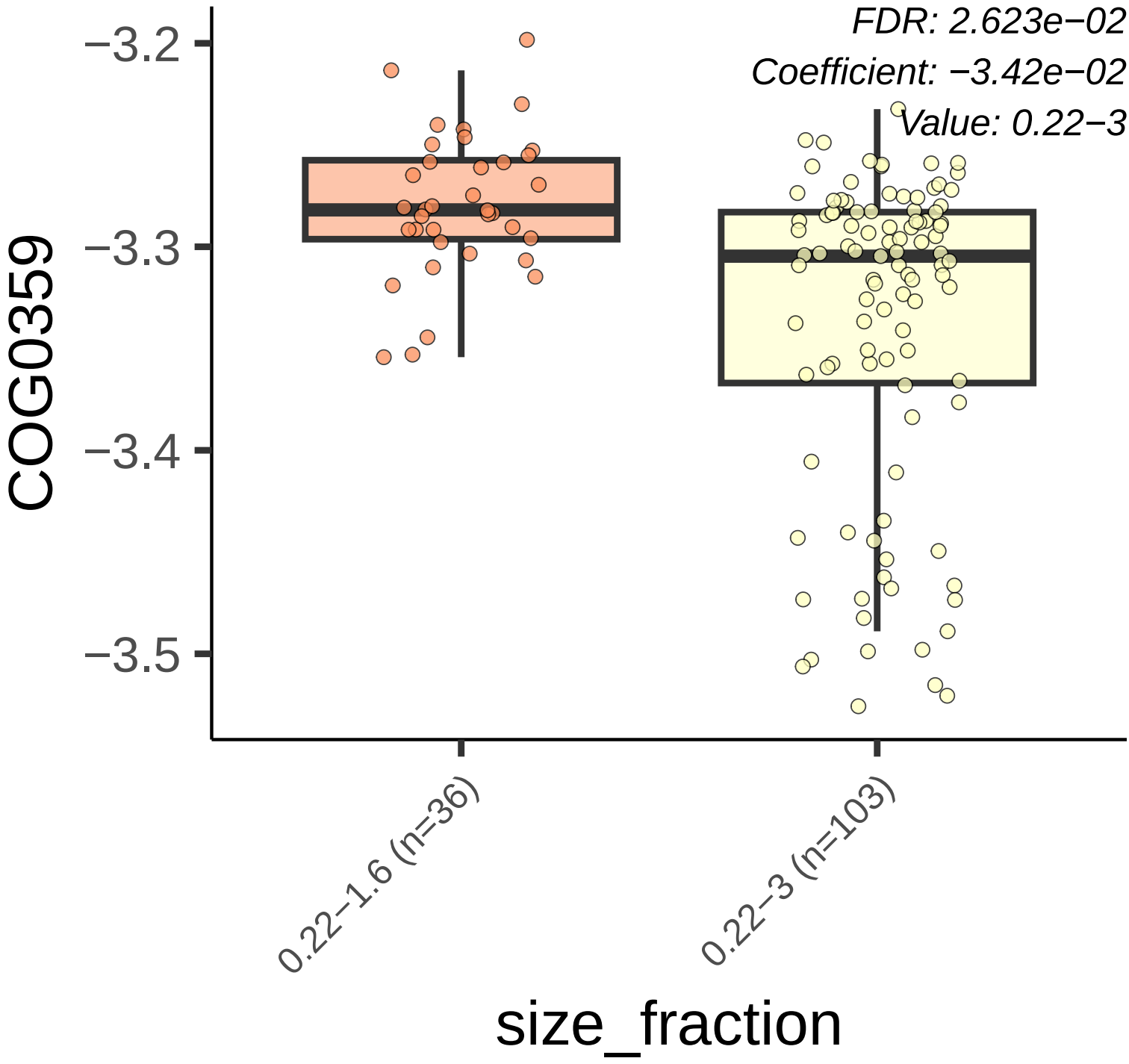

FDR: 2.590e−02
Coefficient: 2.13e−01
Value: 0.22−3
−3.9
−4.2
−4.5
−4.8
−5.1
COG5002
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

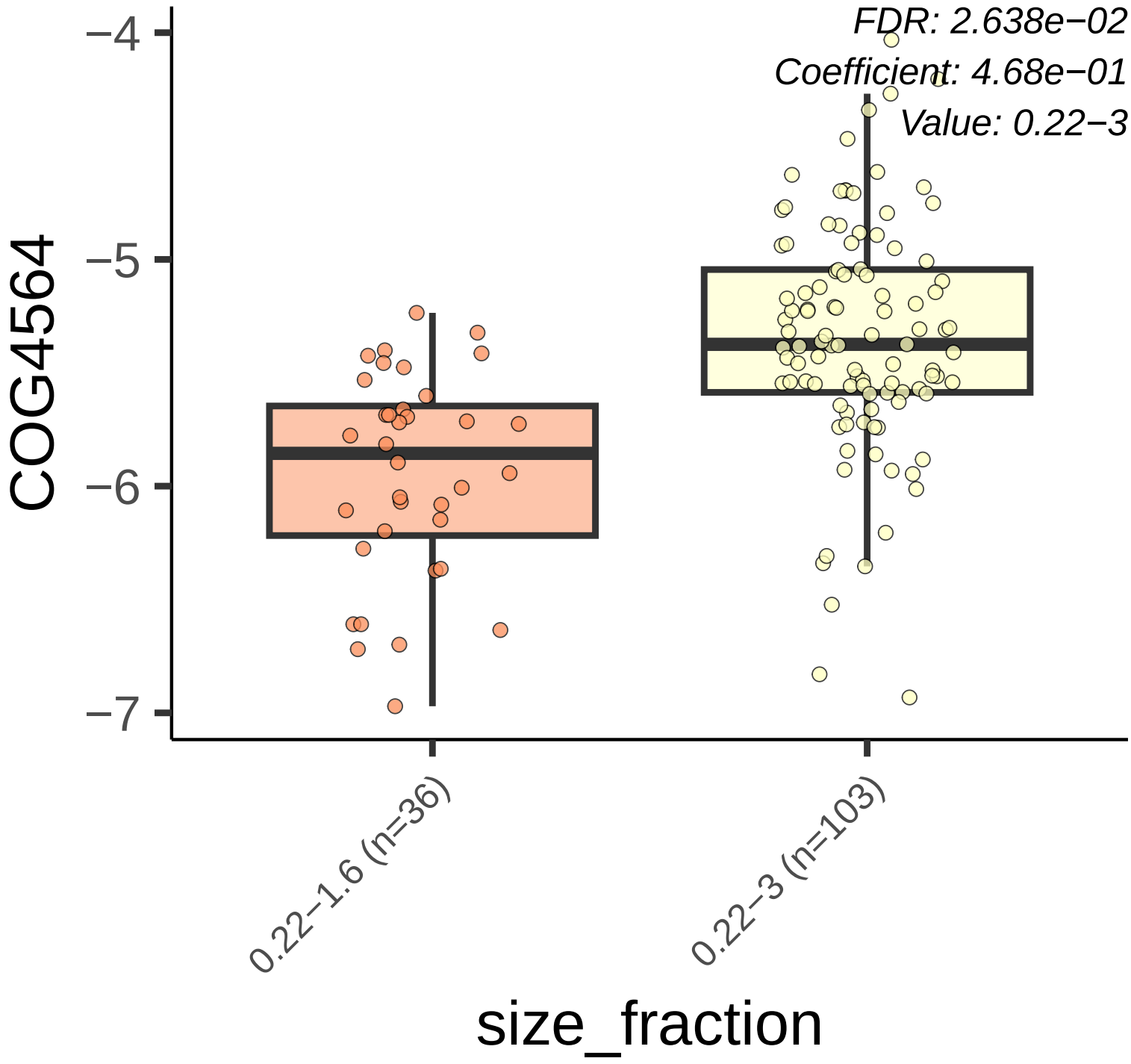

FDR: 2.595e−02
Coefficient: 2.34e−01
Value: 0.22−3
−3.9
−4.2
−4.5
−4.8
−5.1
COG2843
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

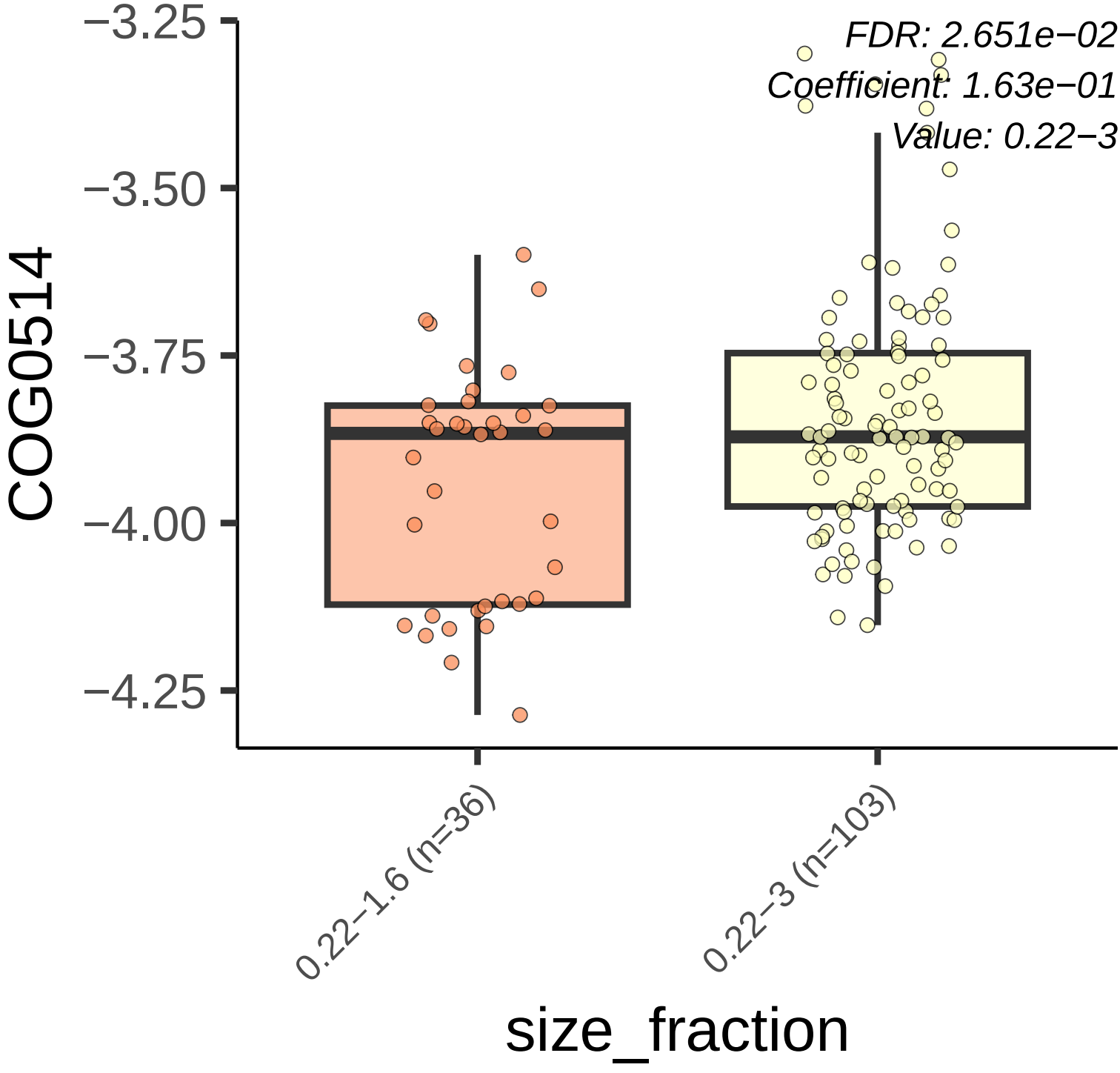

FDR: 2.597e−02
Coefficient: 4.83e−01
Value: 0.22−3
COG1740
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.616e−02
Coefficient: 3.95e−01
Value: 0.22−3
COG0417
−3.5
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.623e−02
Coefficient: 1.21e+00
Value: 0.22−3
COG4387
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.623e−02
Coefficient: −3.42e−02
Value: 0.22−3
COG0359
−3.2
−3.3
−3.4
−3.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.638e−02
Coefficient: 4.68e−01
Value: 0.22−3
COG4564
−4
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.651e−02
Coefficient: 1.63e−01
Value: 0.22−3
−3.25
−3.50
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−4.00
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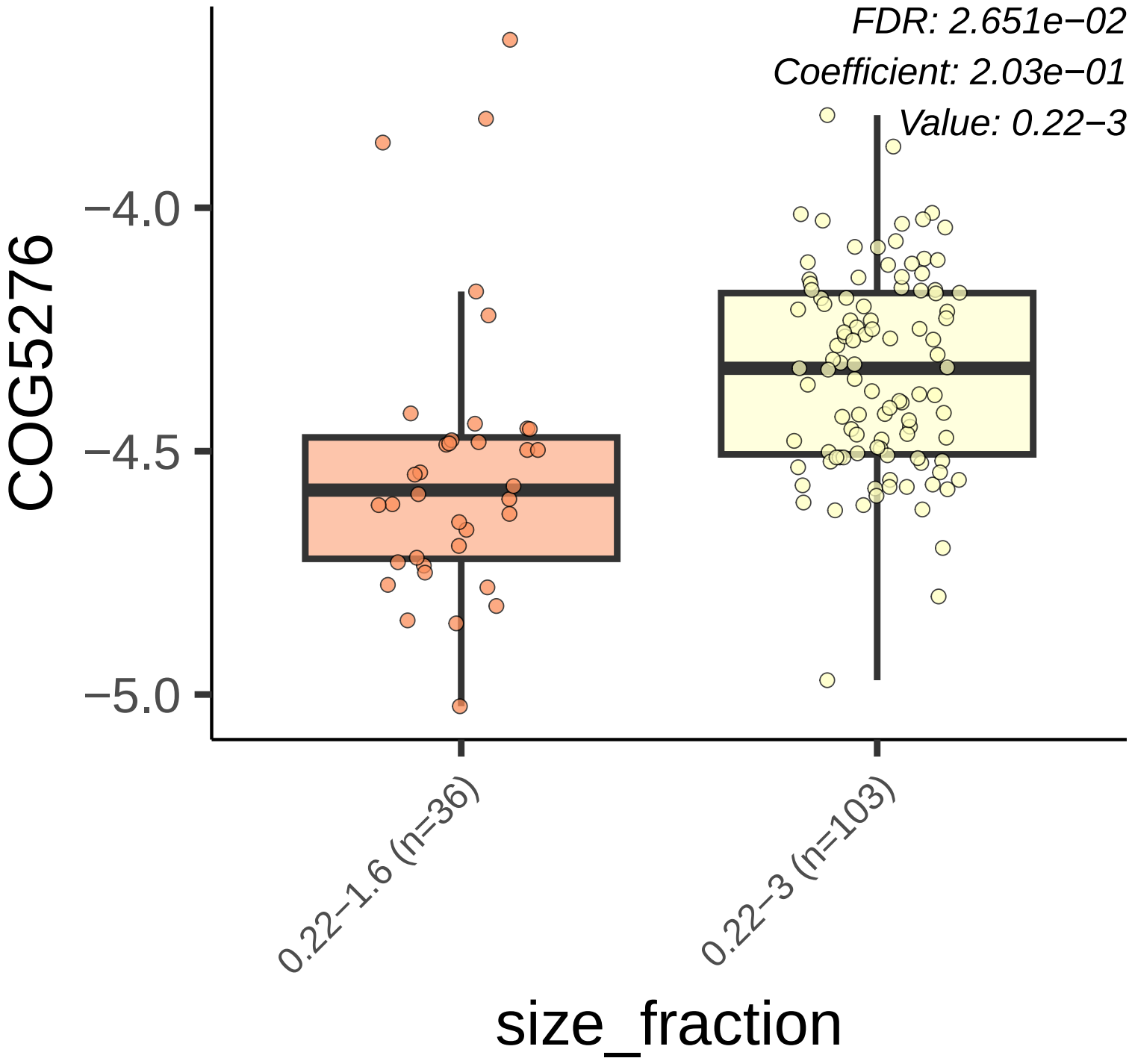
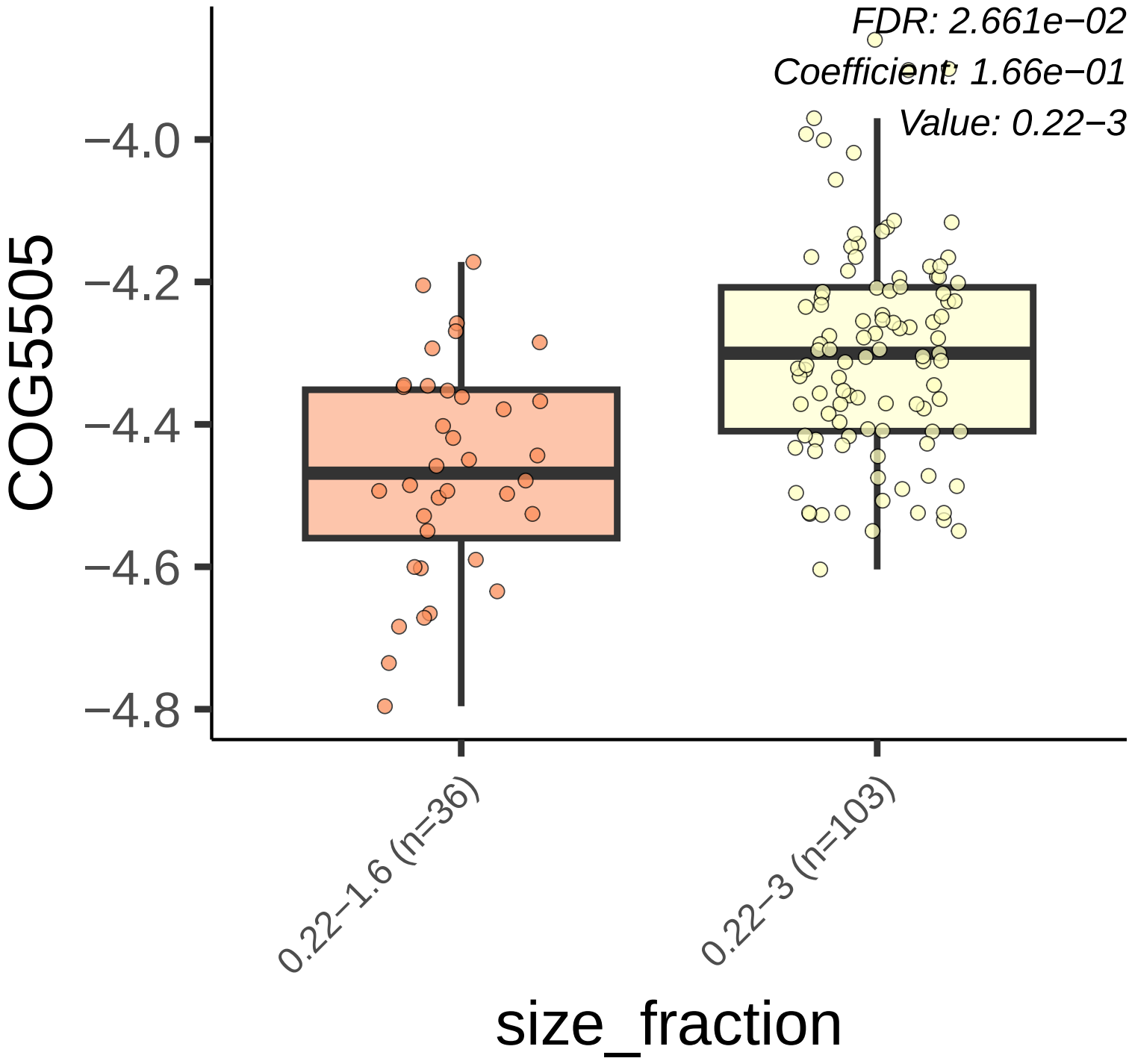
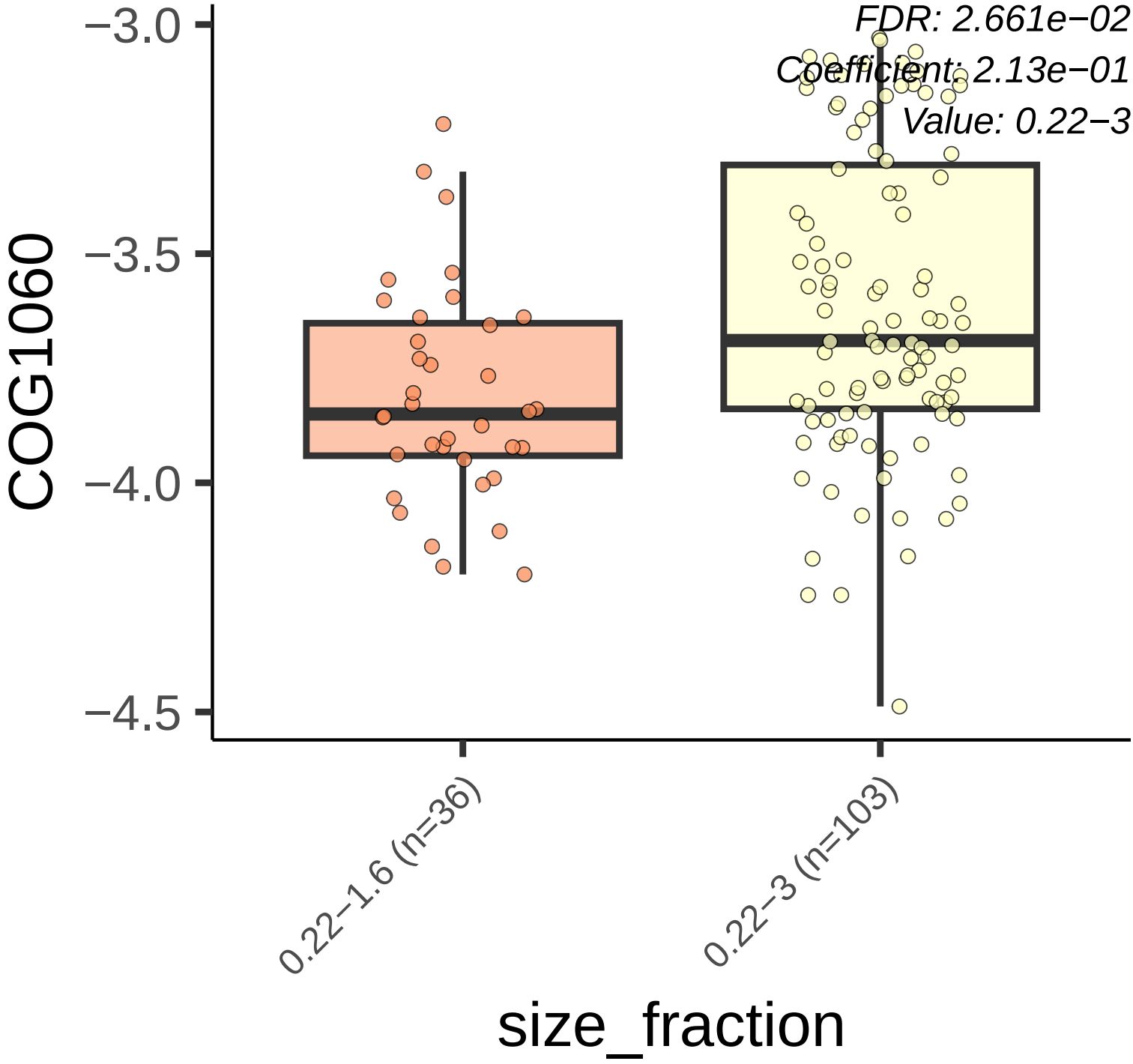
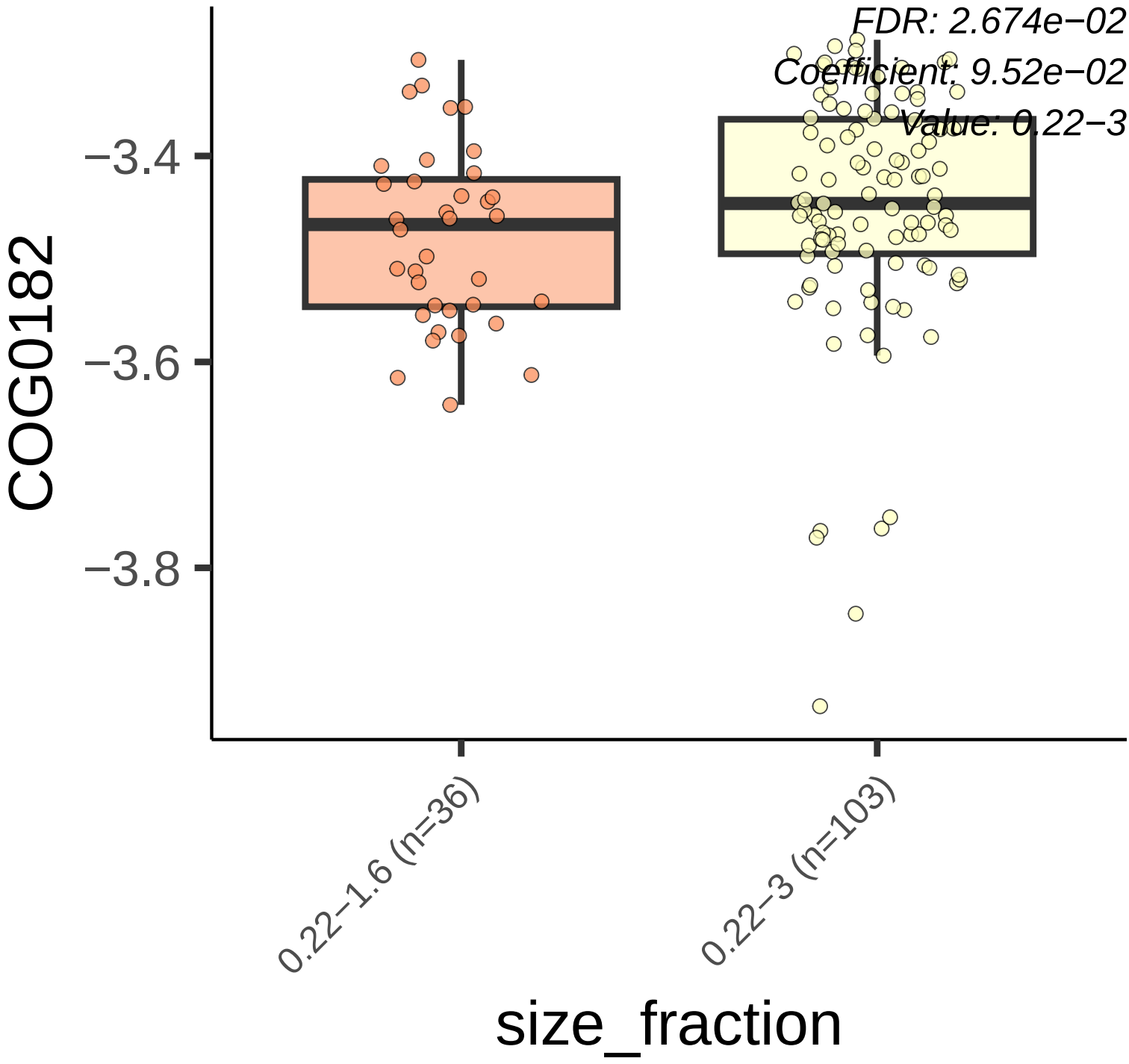
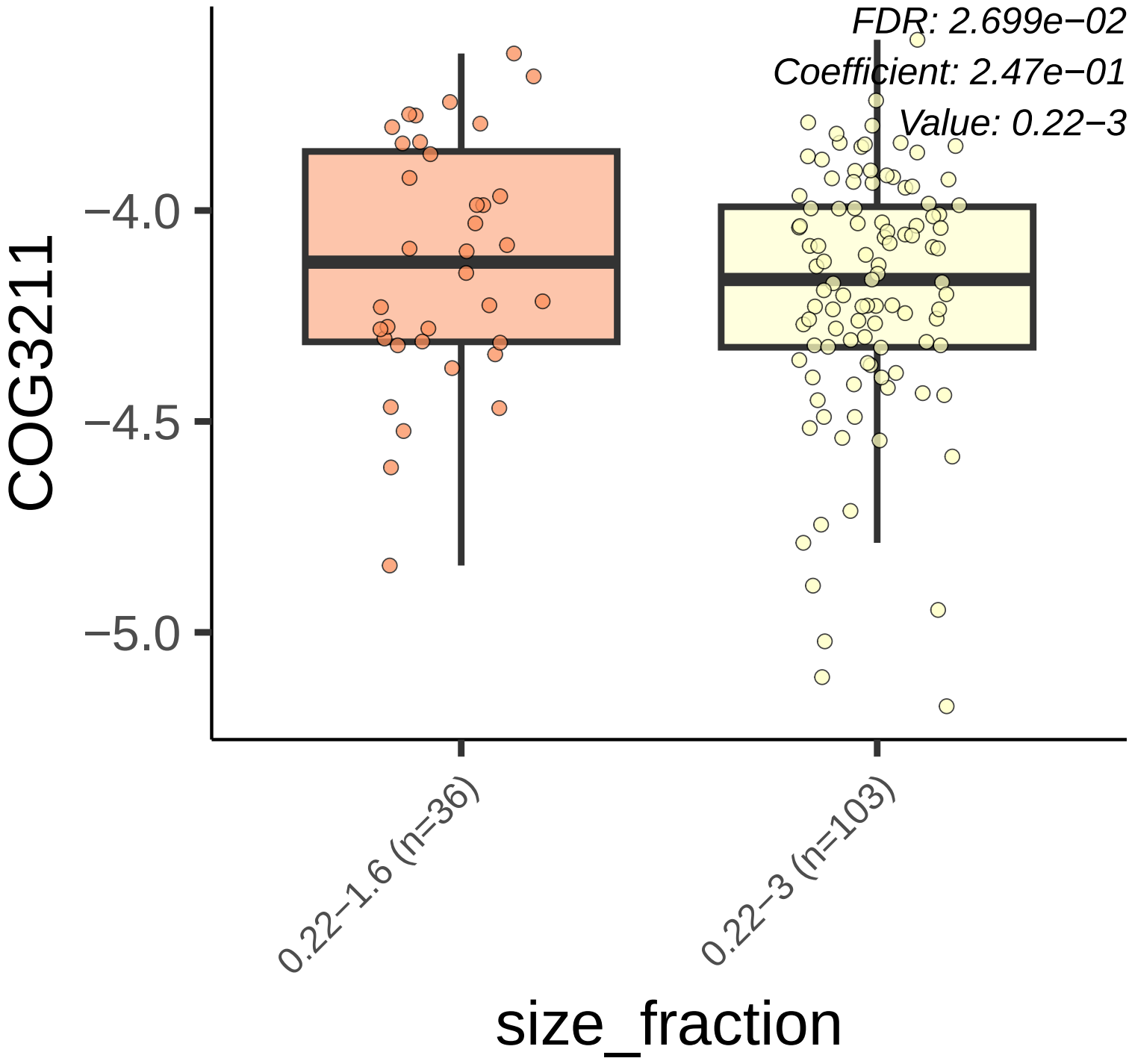
COG0514
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

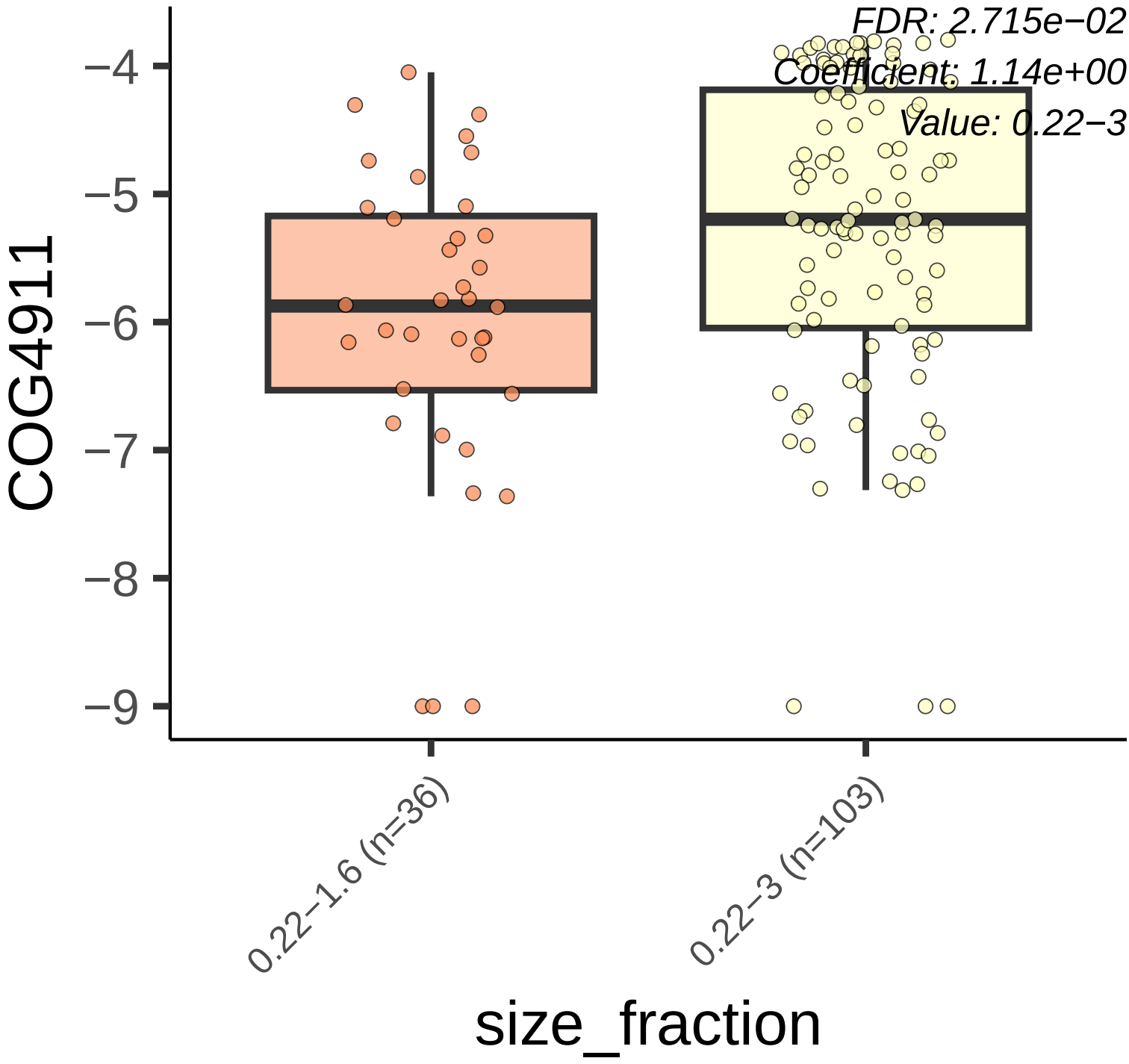

FDR: 2.651e−02
Coefficient: 2.03e−01
Value: 0.22−3
COG5276
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

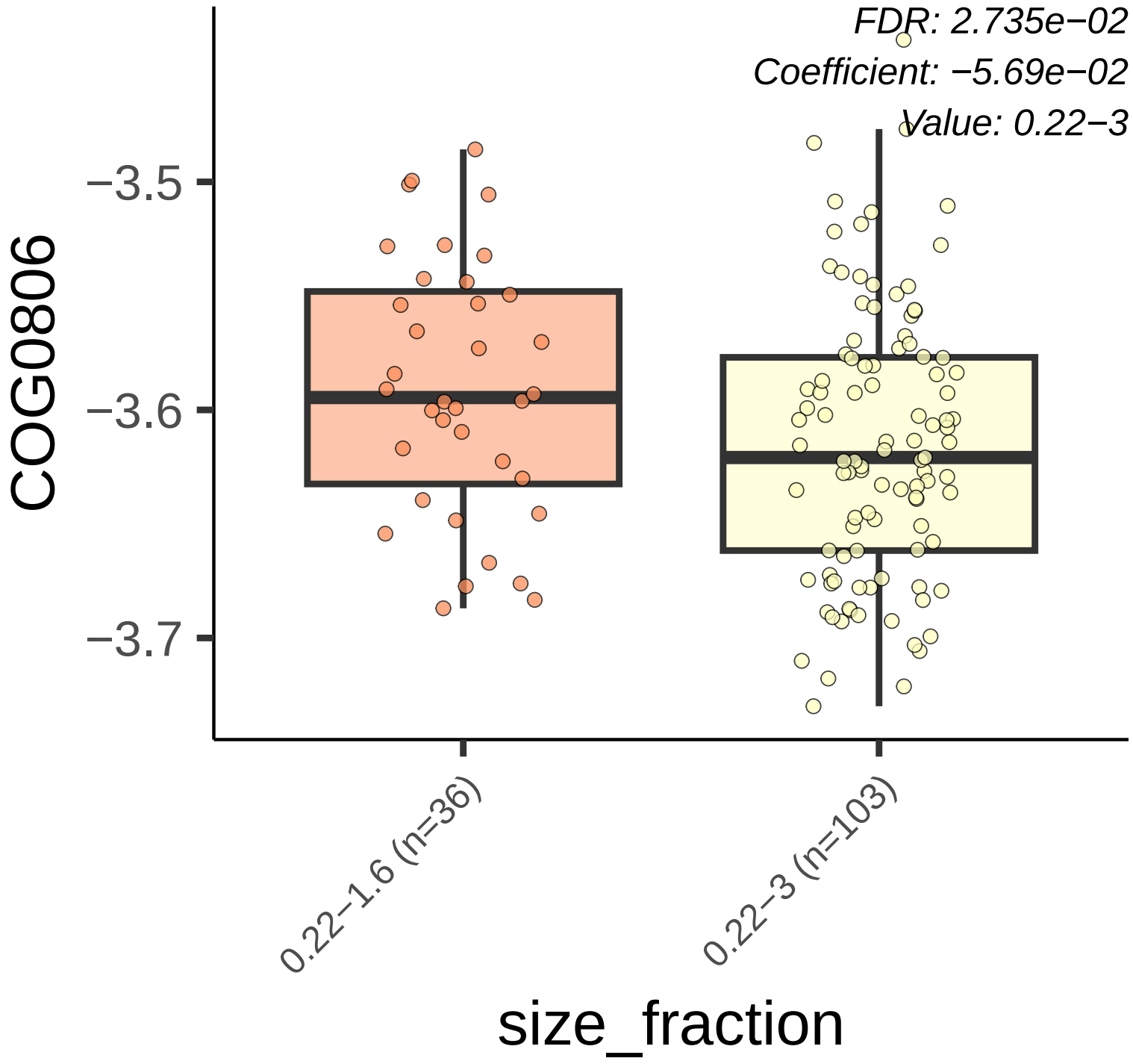

FDR: 2.661e−02
Coefficient: 1.66e−01
Value: 0.22−3
COG5505
−4.0
−4.2
−4.4
−4.6
−4.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

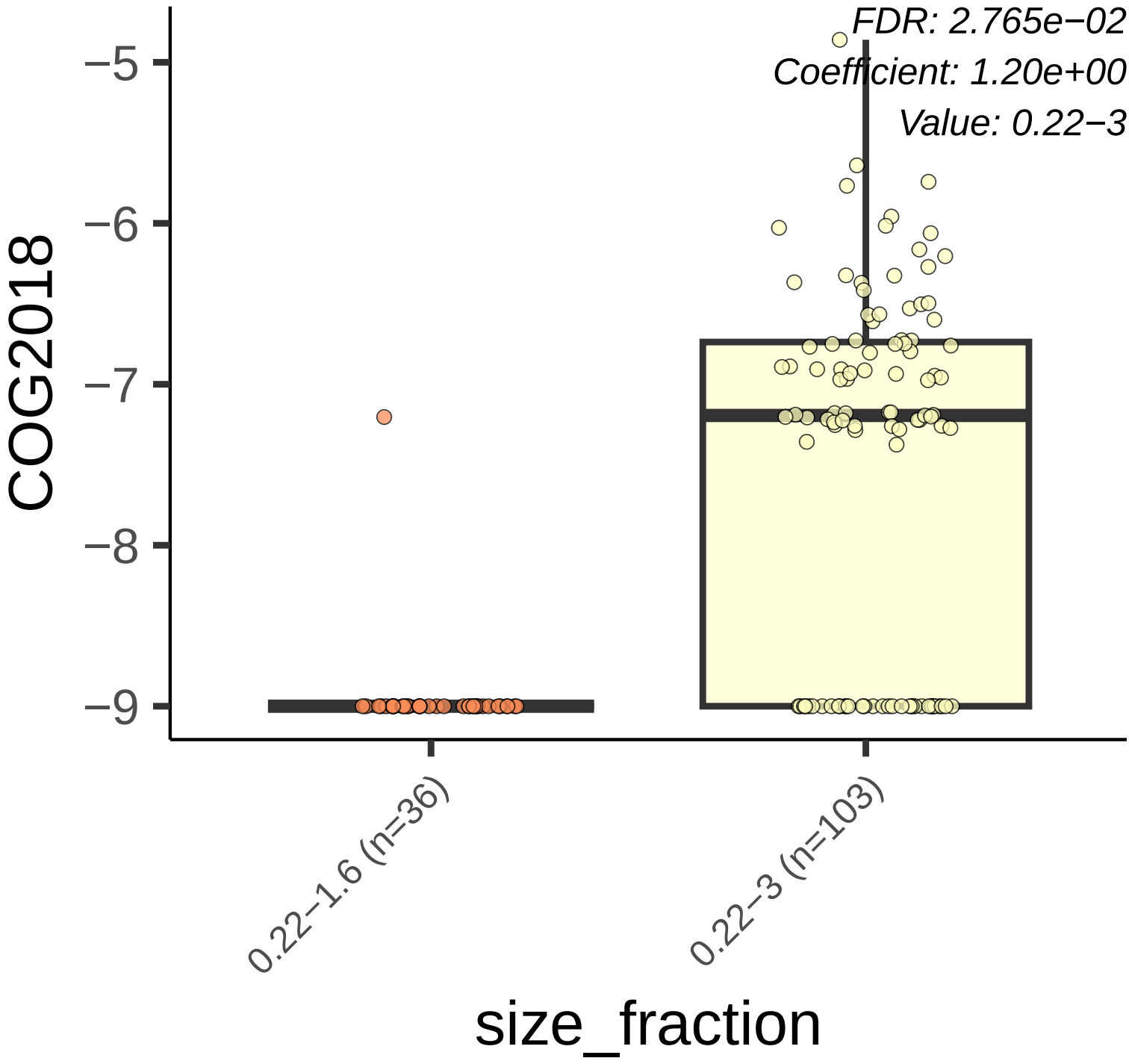

FDR: 2.661e−02
Coefficient: 2.13e−01
Value: 0.22−3
COG1060
−3.0
−3.5
−4.0
−4.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

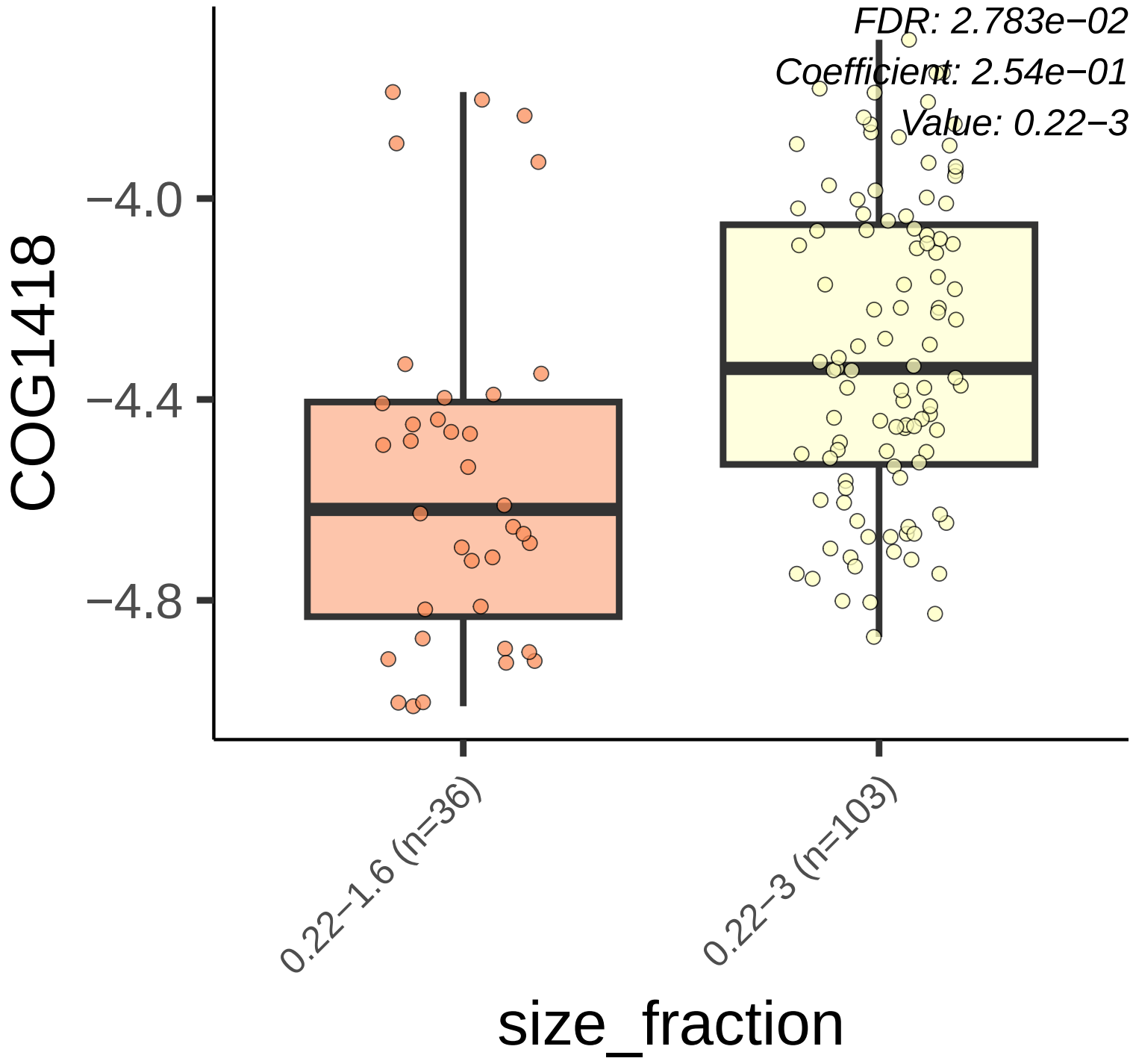

FDR: 2.674e−02
Coefficient: 9.52e−02
Value: 0.22−3
−3.4
−3.6
−3.8
COG0182
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

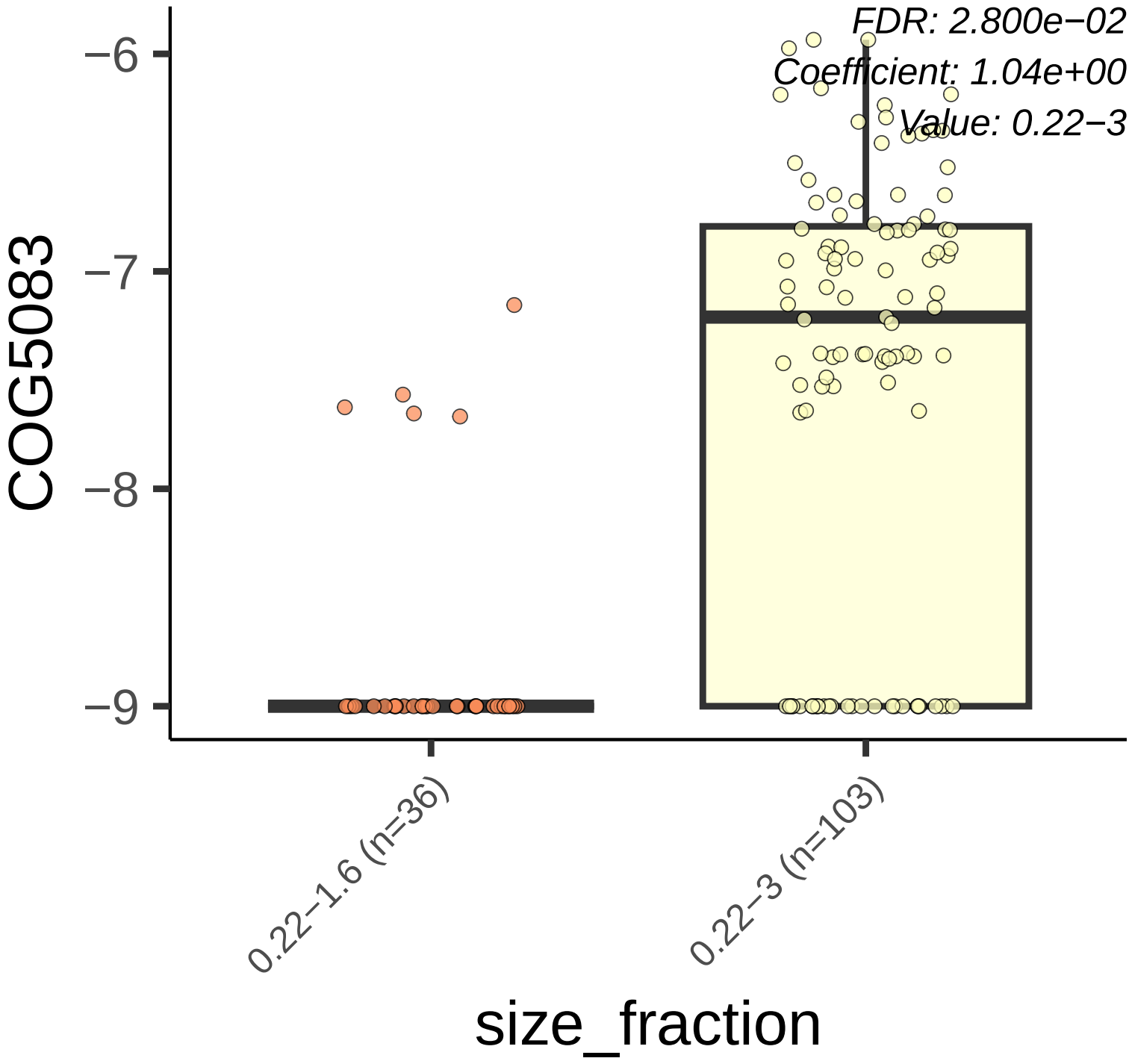

FDR: 2.699e−02
Coefficient: 2.47e−01
Value: 0.22−3
COG3211
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

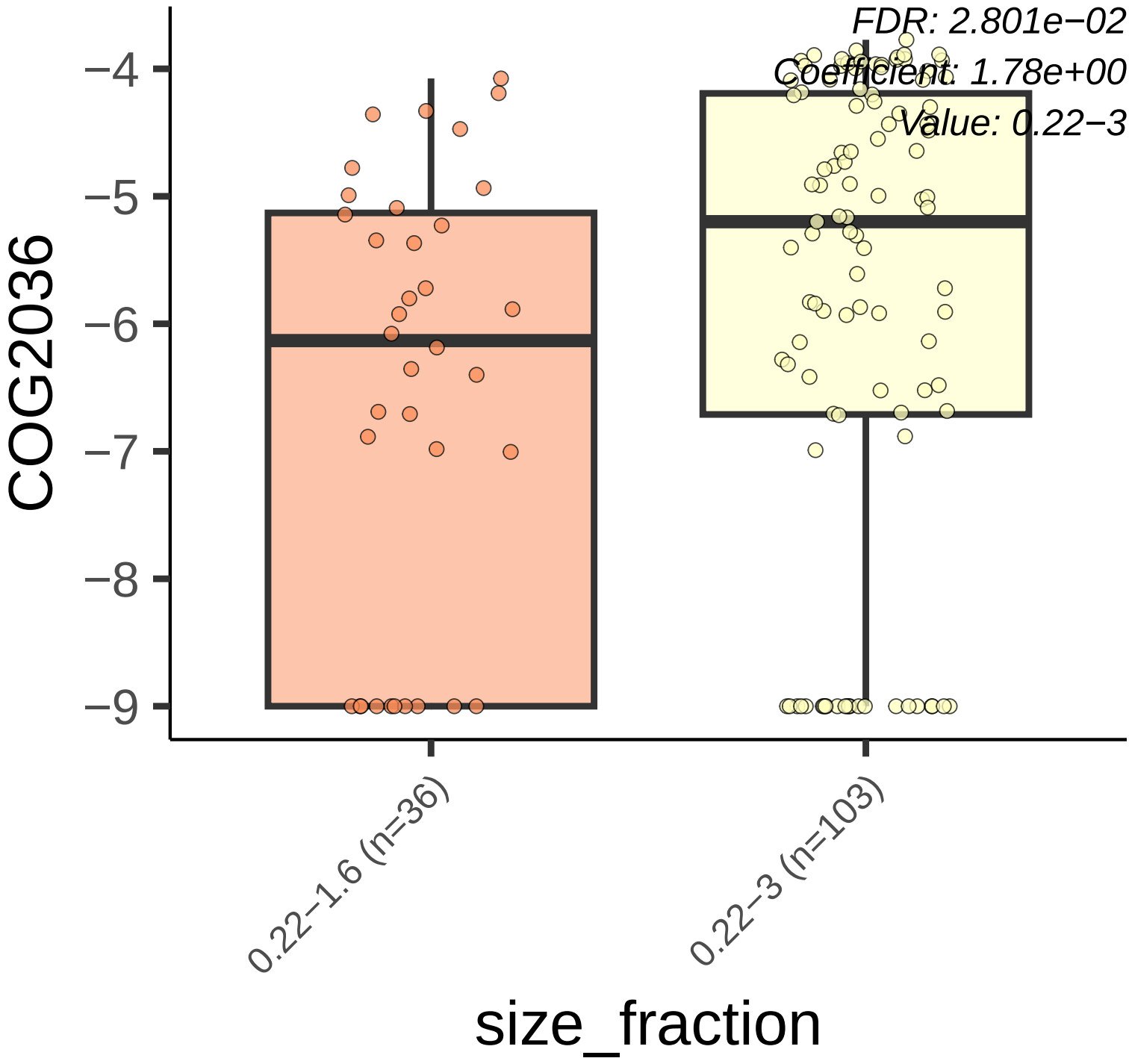

FDR: 2.715e−02
Coefficient: 1.14e+00
Value: 0.22−3
COG4911
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

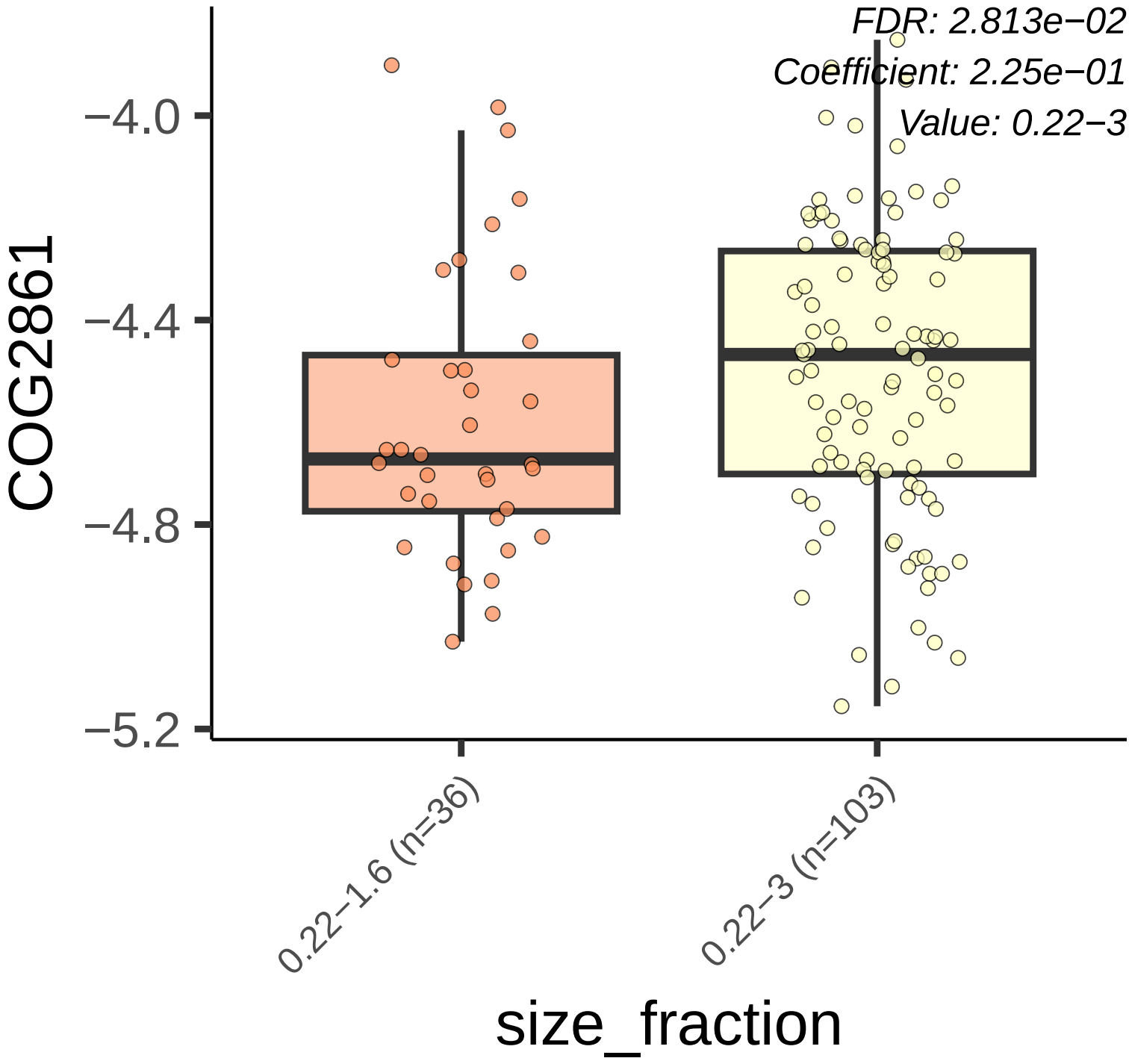

FDR: 2.735e−02
Coefficient: −5.69e−02
Value: 0.22−3
COG0806
−3.5
−3.6
−3.7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

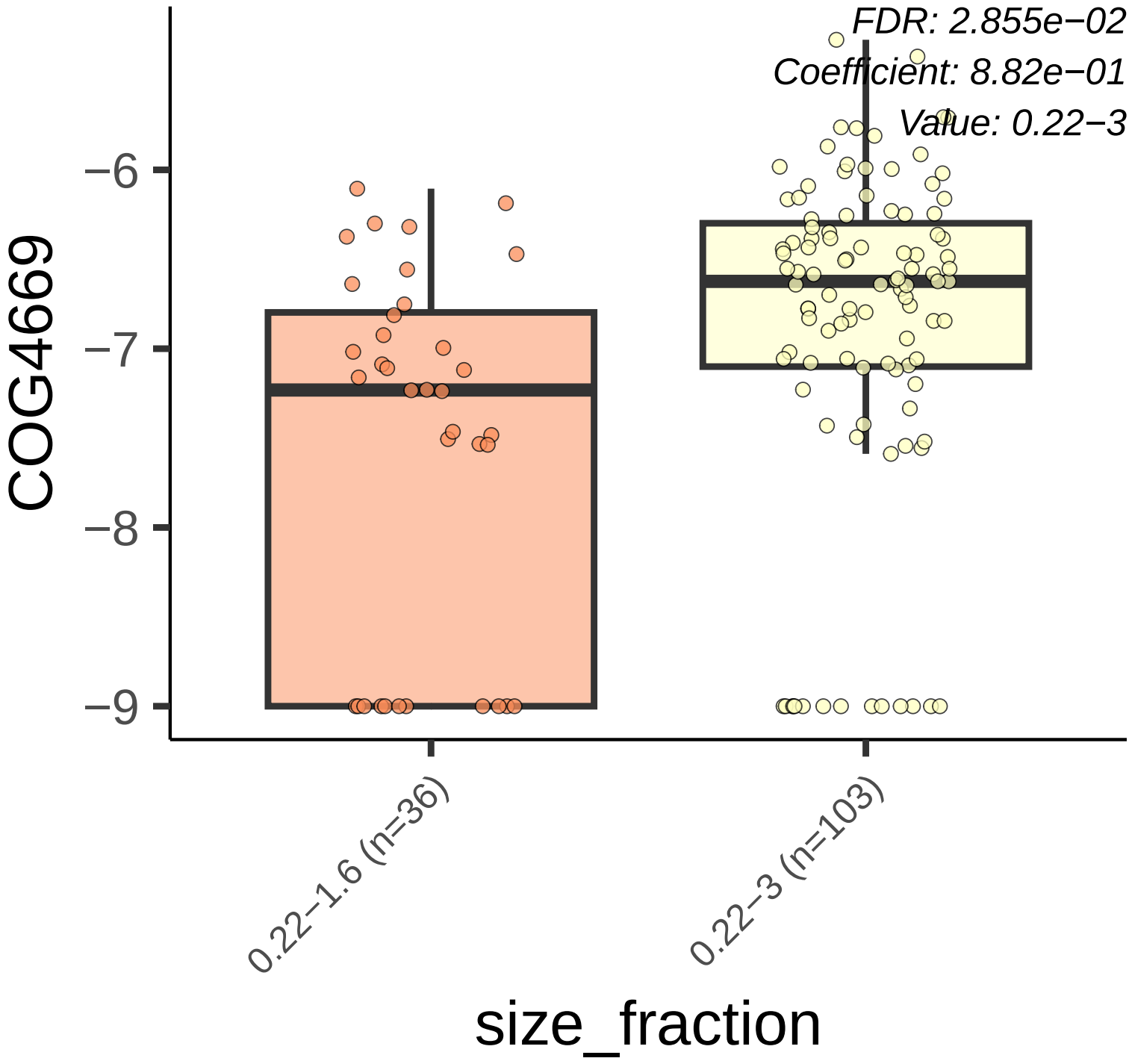

FDR: 2.765e−02
Coefficient: 1.20e+00
Value: 0.22−3
COG2018
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

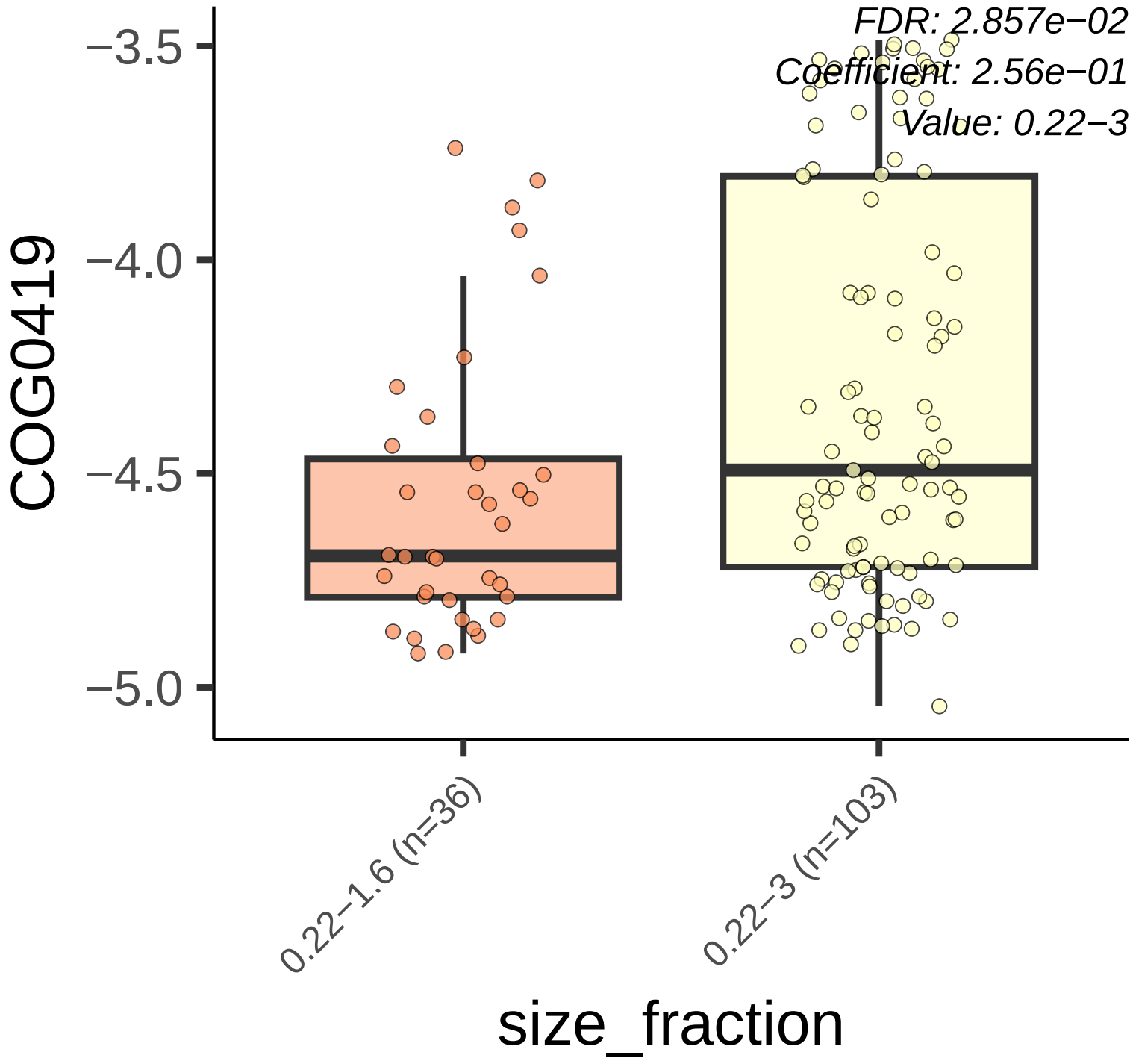

FDR: 2.783e−02
Coefficient: 2.54e−01
Value: 0.22−3
COG1418
−4.0
−4.4
−4.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

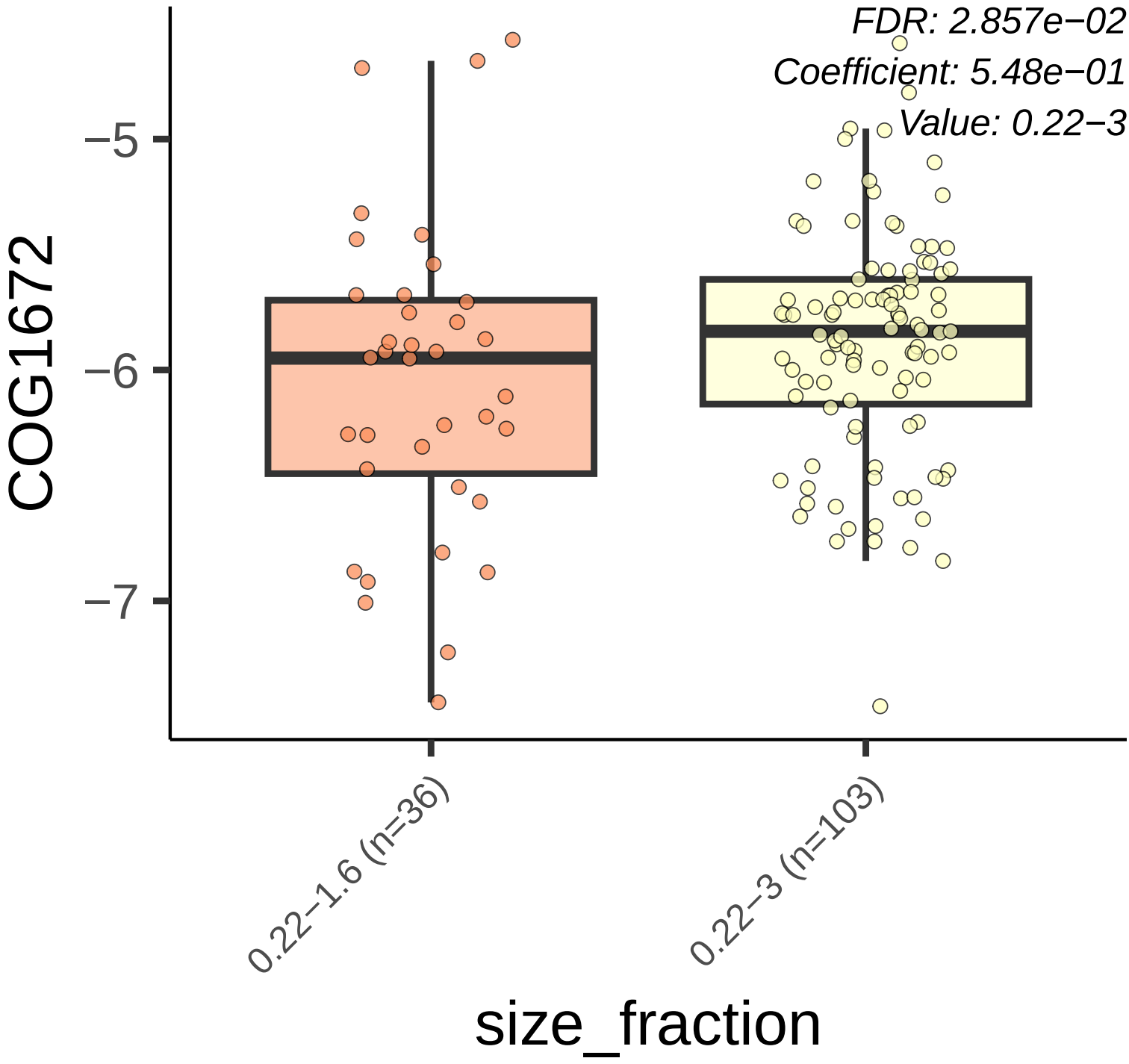

FDR: 2.800e−02
Coefficient: 1.04e+00
Value: 0.22−3
COG5083
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

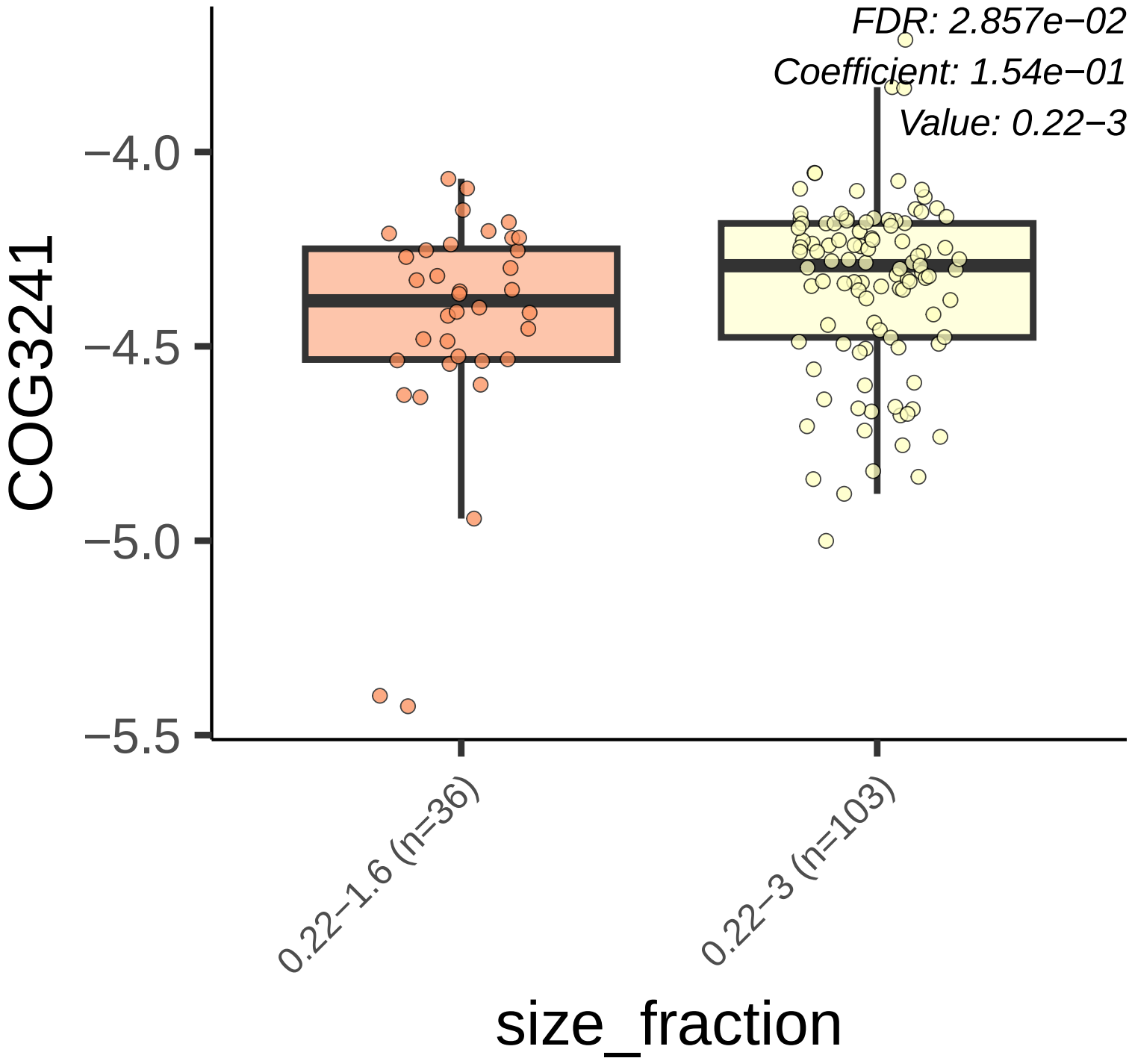

FDR: 2.801e−02
Coefficient: 1.78e+00
Value: 0.22−3
COG2036
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

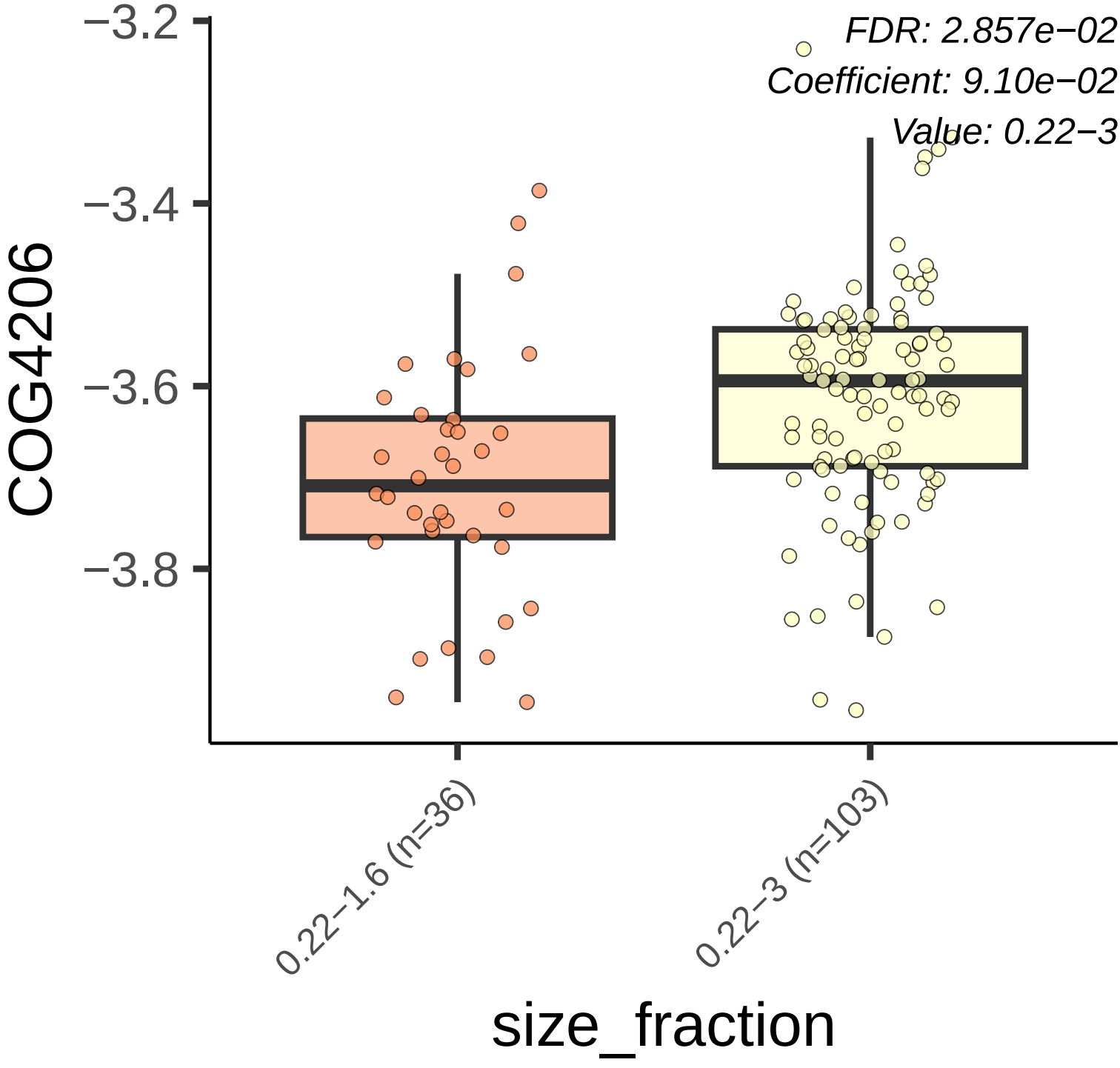

FDR: 2.813e−02
Coefficient: 2.25e−01
Value: 0.22−3
COG2861
−4.0
−4.4
−4.8
−5.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

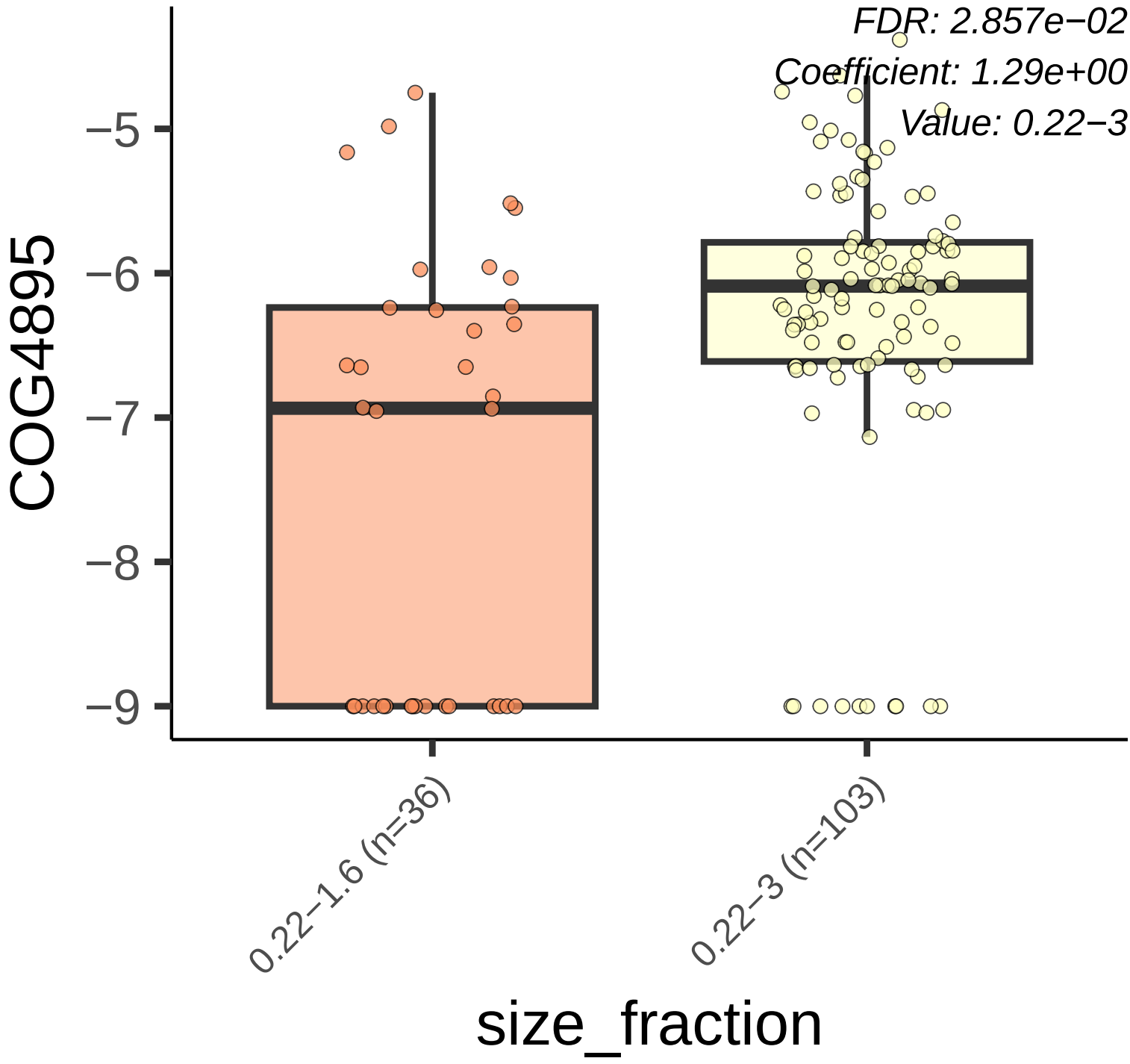

FDR: 2.855e−02
Coefficient: 8.82e−01
Value: 0.22−3
COG4669
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

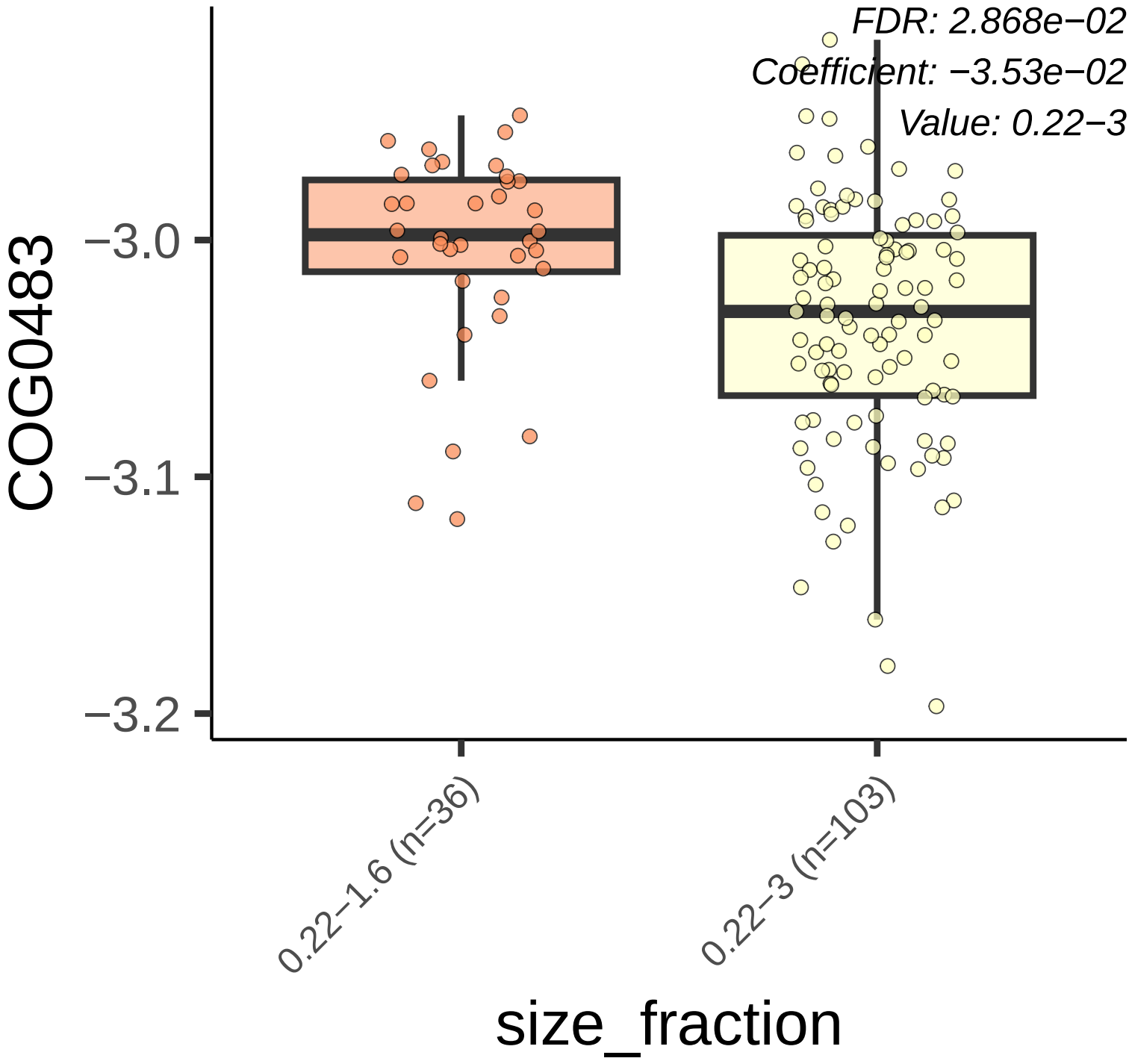

FDR: 2.857e−02
Coefficient: 2.56e−01
Value: 0.22−3
−3.5
−4.0
−4.5
−5.0
COG0419
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

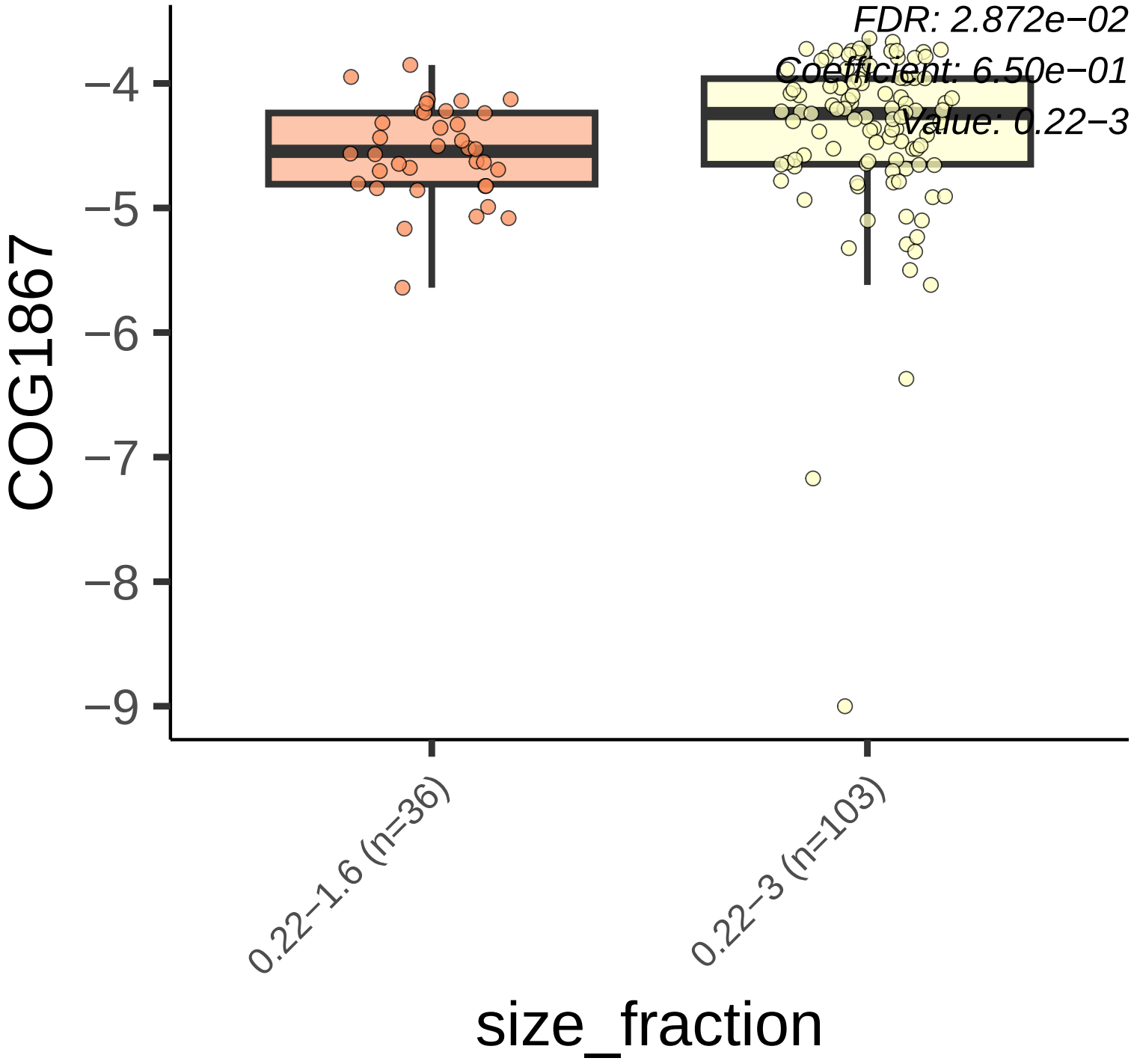

FDR: 2.857e−02
Coefficient: 5.48e−01
Value: 0.22−3
COG1672
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

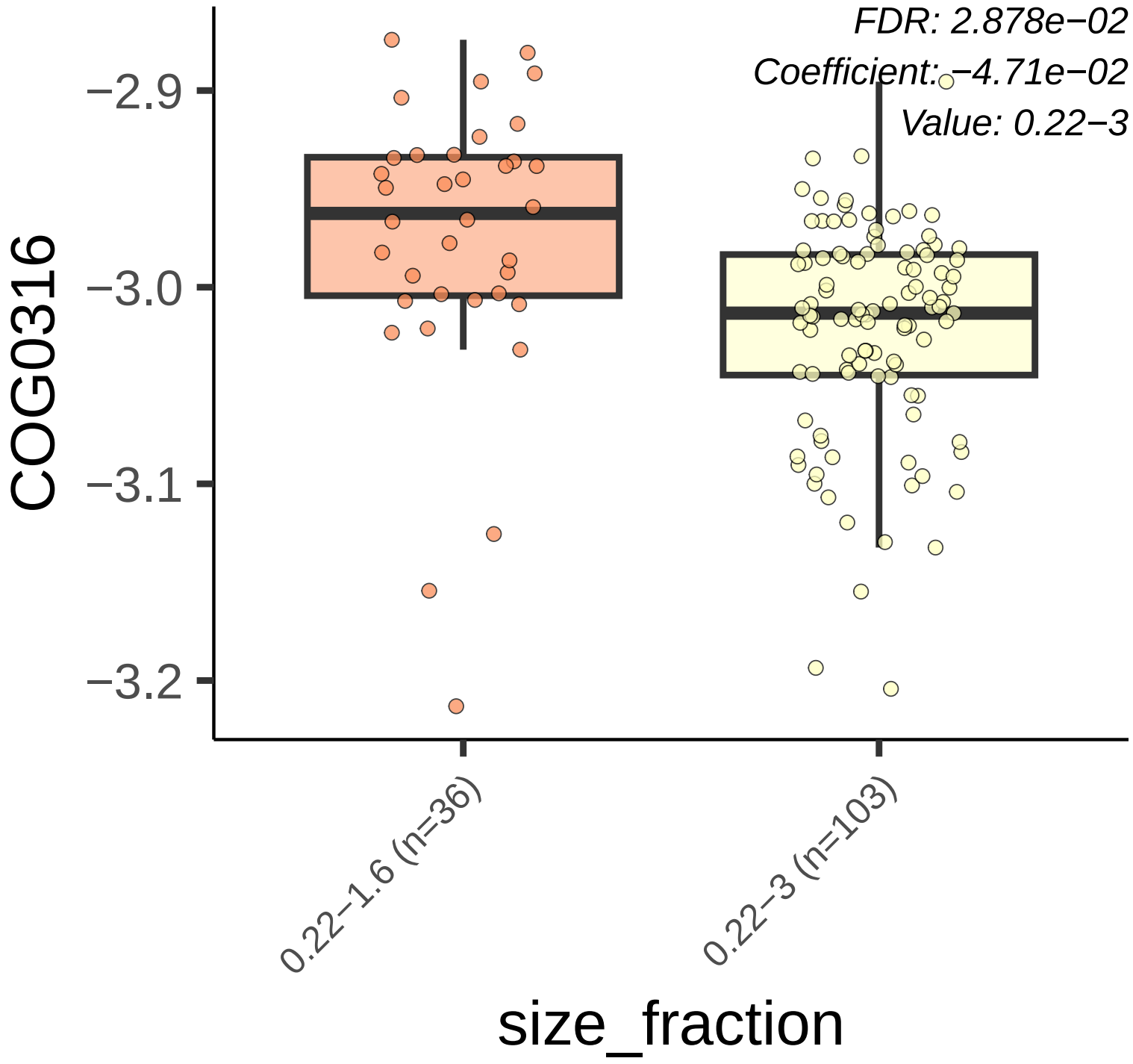

FDR: 2.857e−02
Coefficient: 1.54e−01
Value: 0.22−3
COG3241
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

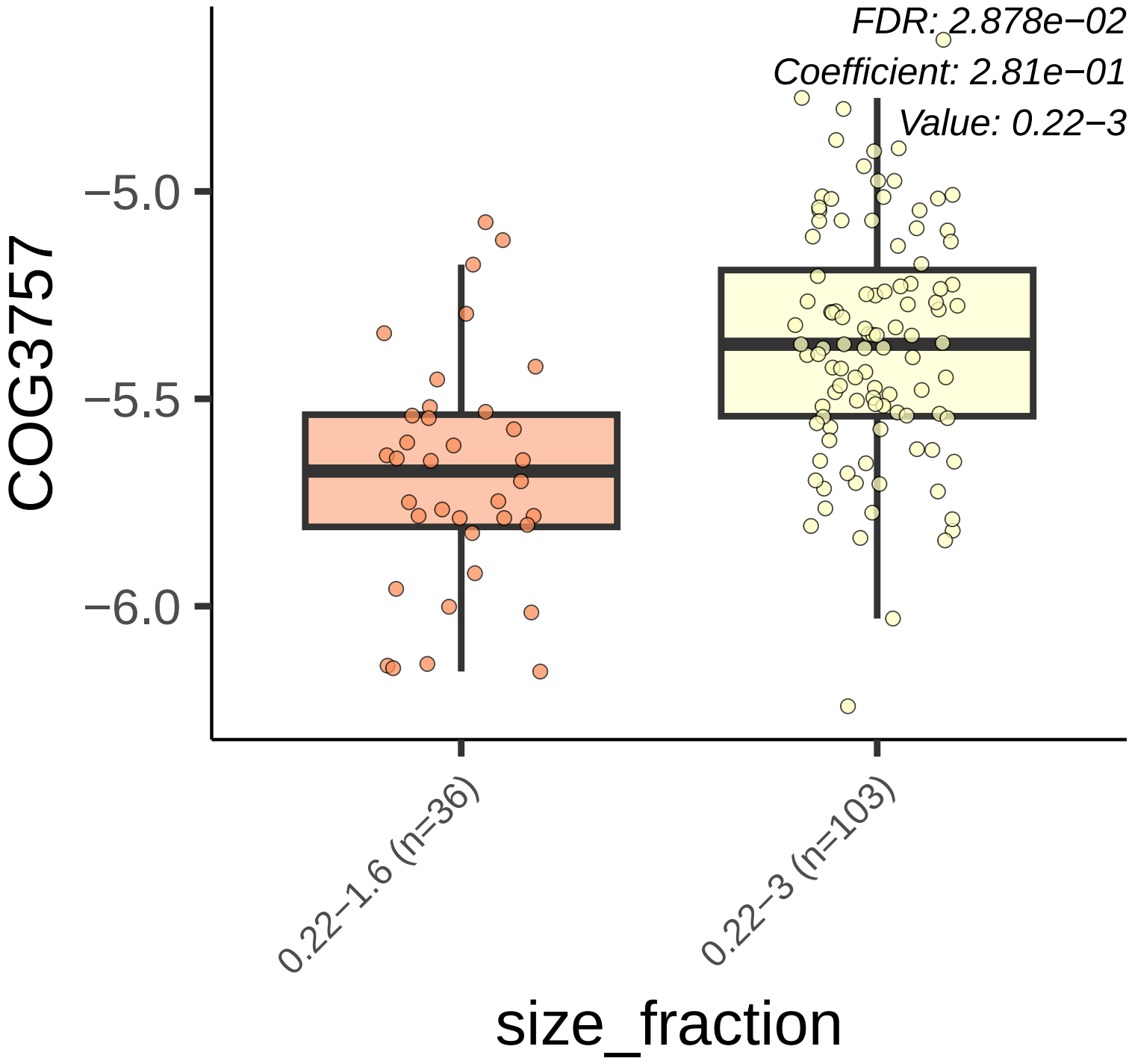

FDR: 2.857e−02
Coefficient: 9.10e−02
Value: 0.22−3
−3.2
−3.4
−3.6
−3.8
COG4206
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

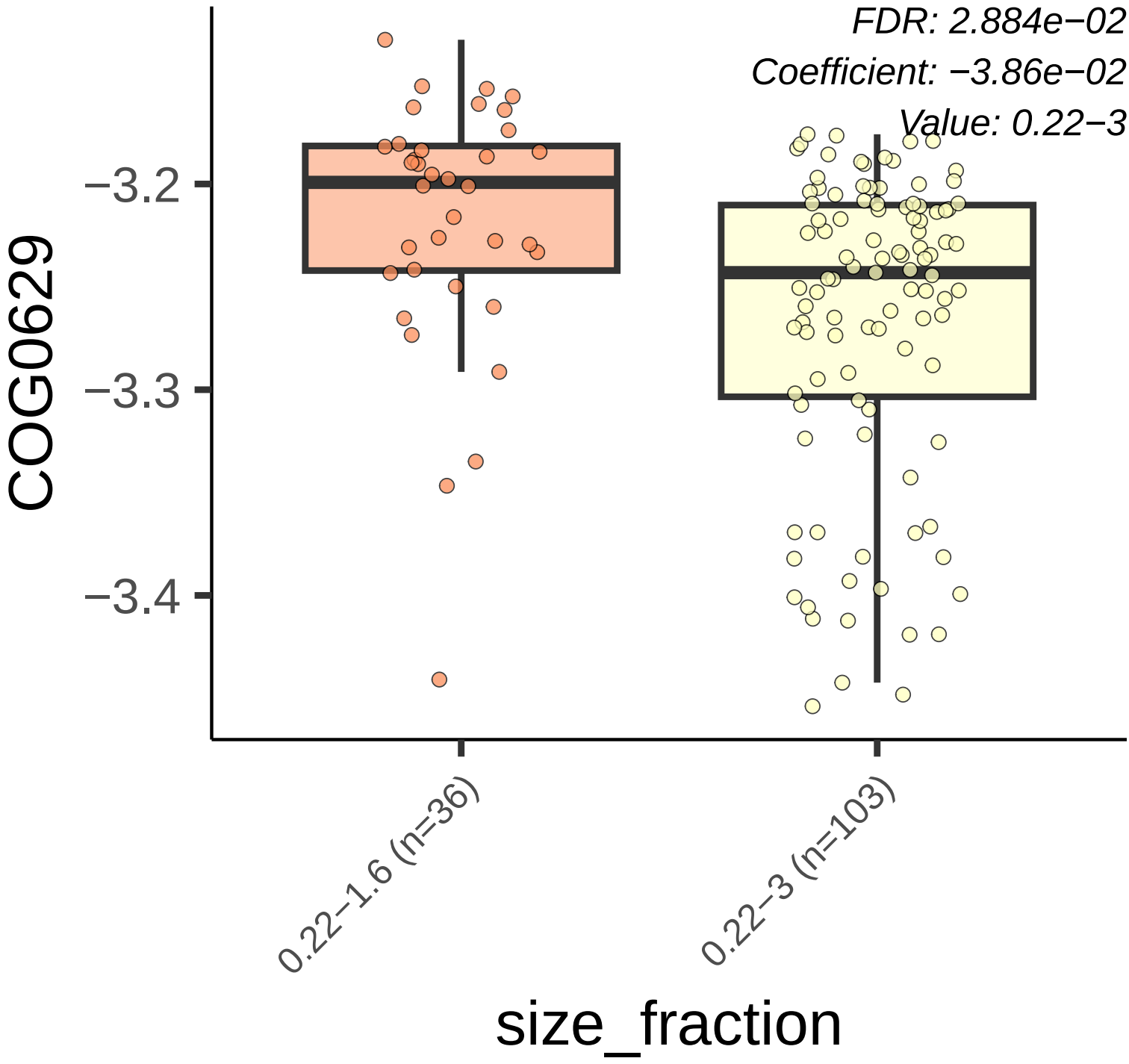

FDR: 2.857e−02
Coefficient: 1.29e+00
Value: 0.22−3
COG4895
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

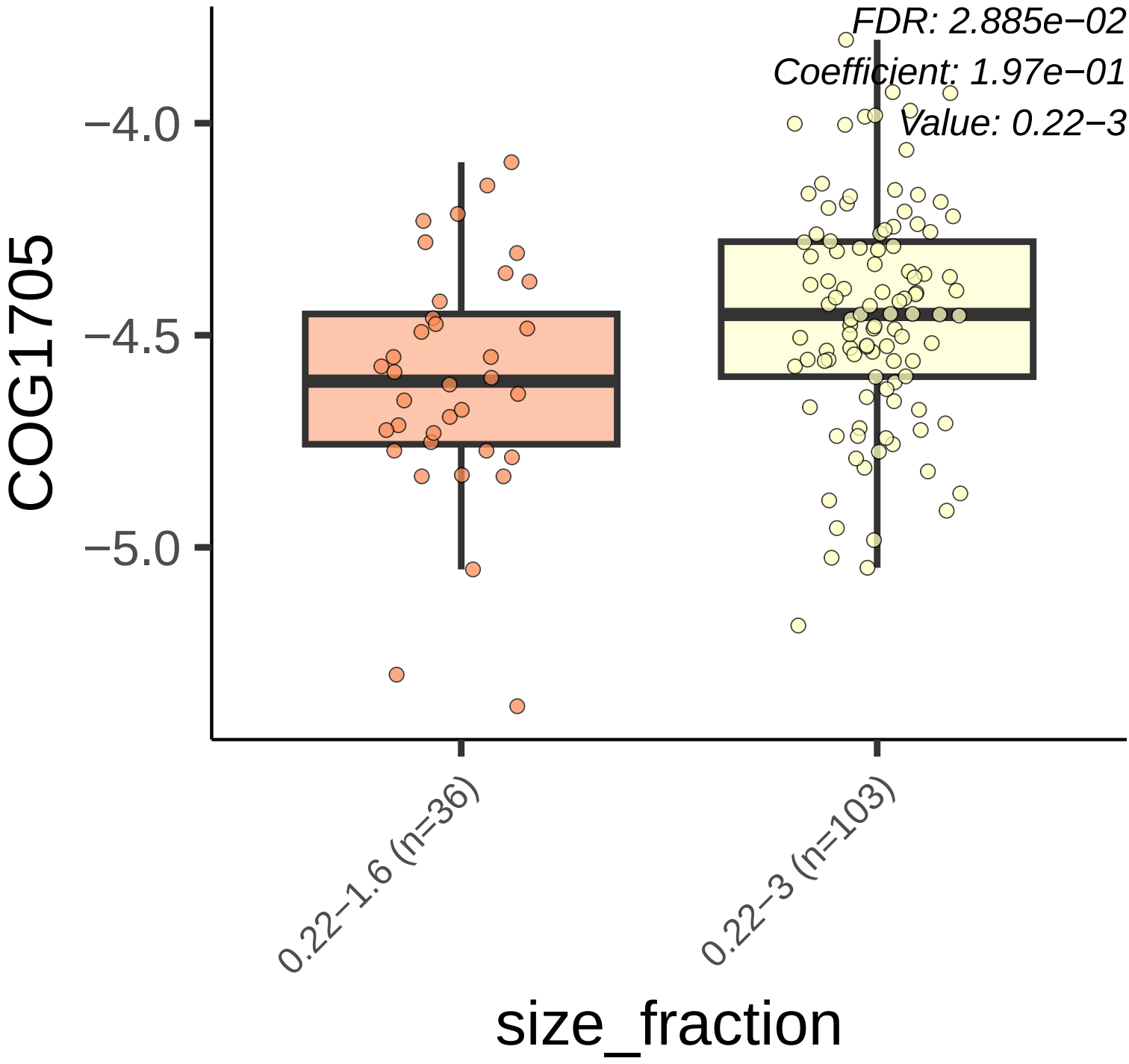

FDR: 2.868e−02
Coefficient: −3.53e−02
Value: 0.22−3
COG0483
−3.0
−3.1
−3.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

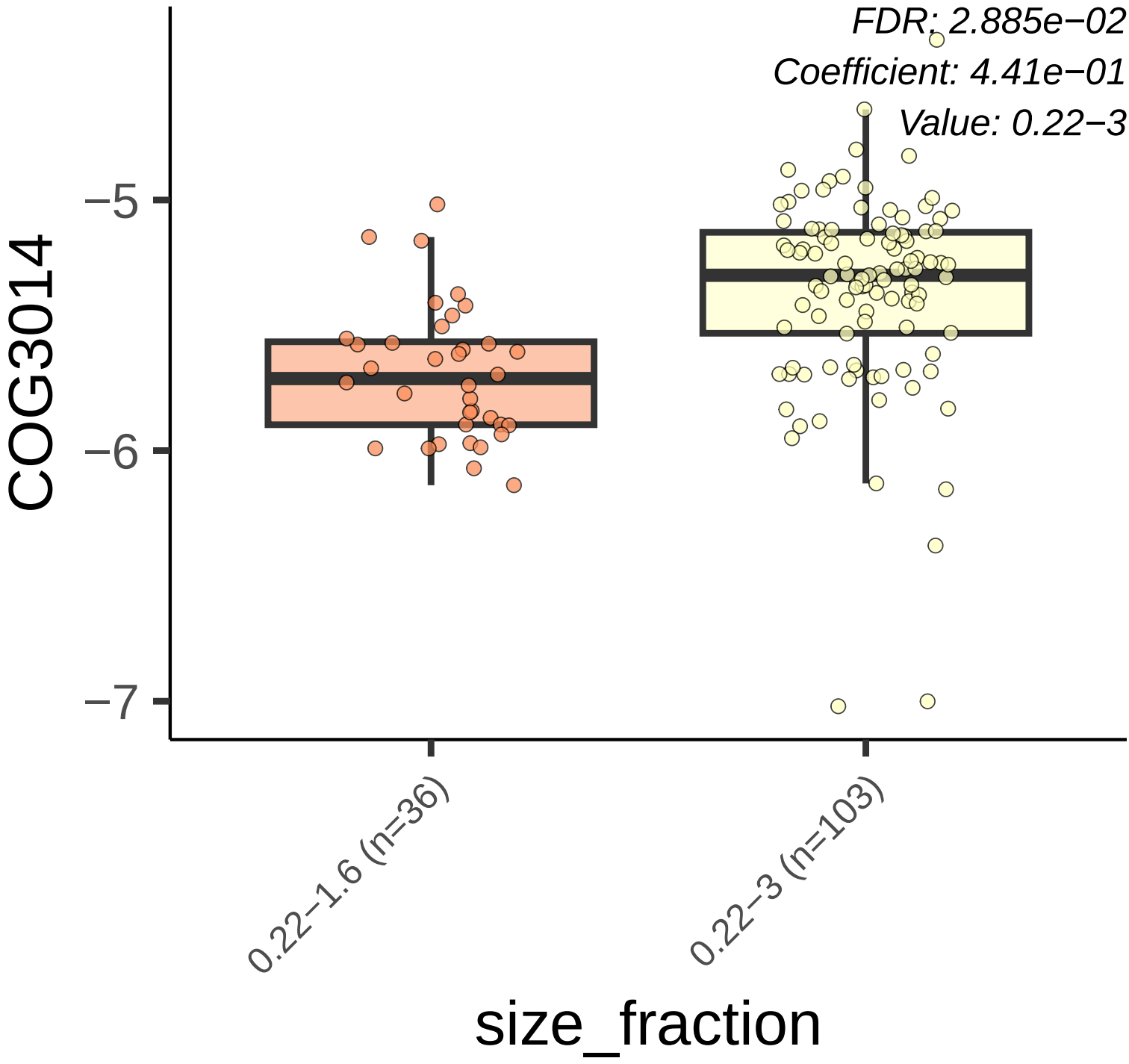

FDR: 2.872e−02
Coefficient: 6.50e−01
Value: 0.22−3
COG1867
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

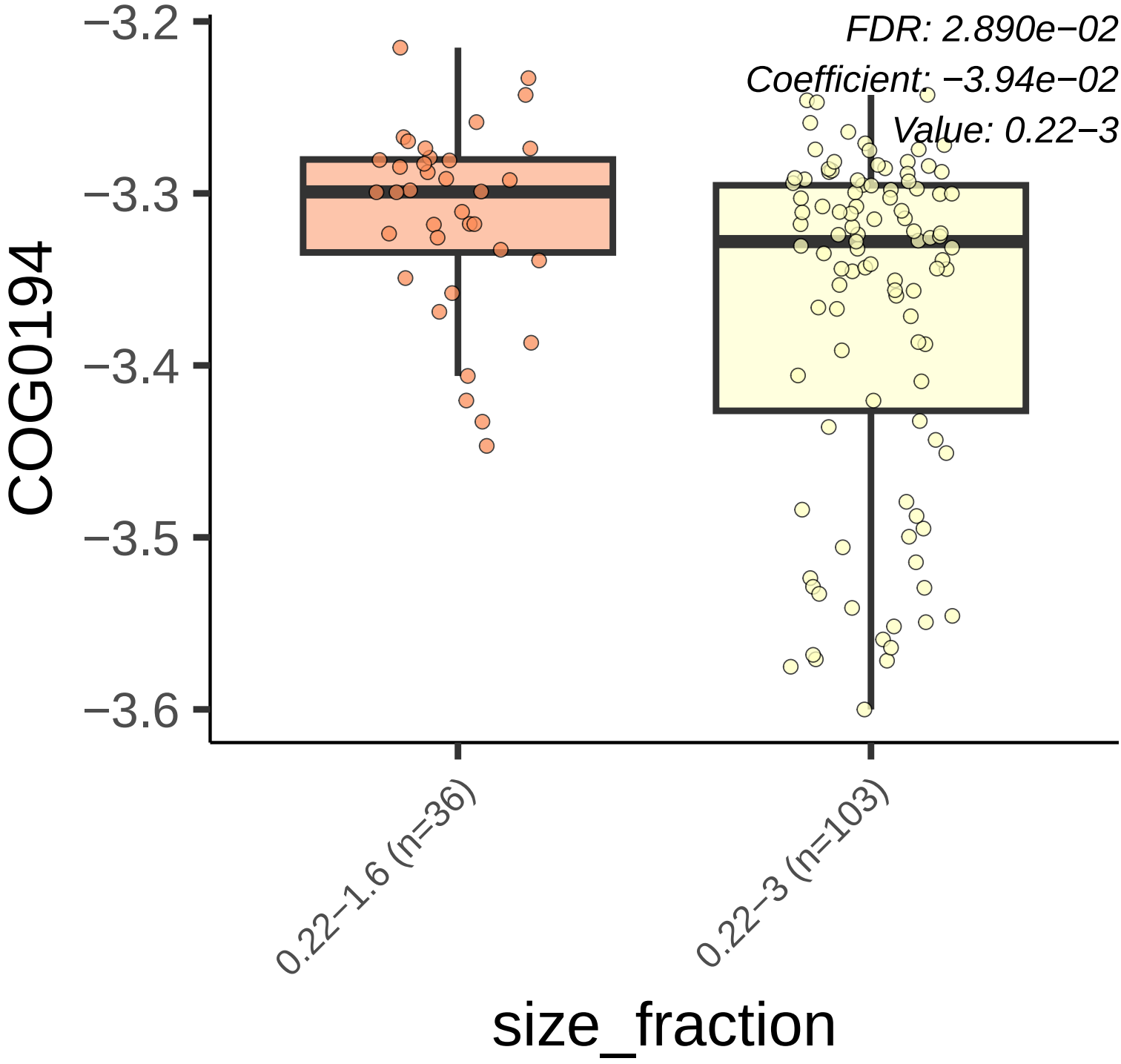

FDR: 2.878e−02
Coefficient: −4.71e−02
Value: 0.22−3
COG0316
−2.9
−3.0
−3.1
−3.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

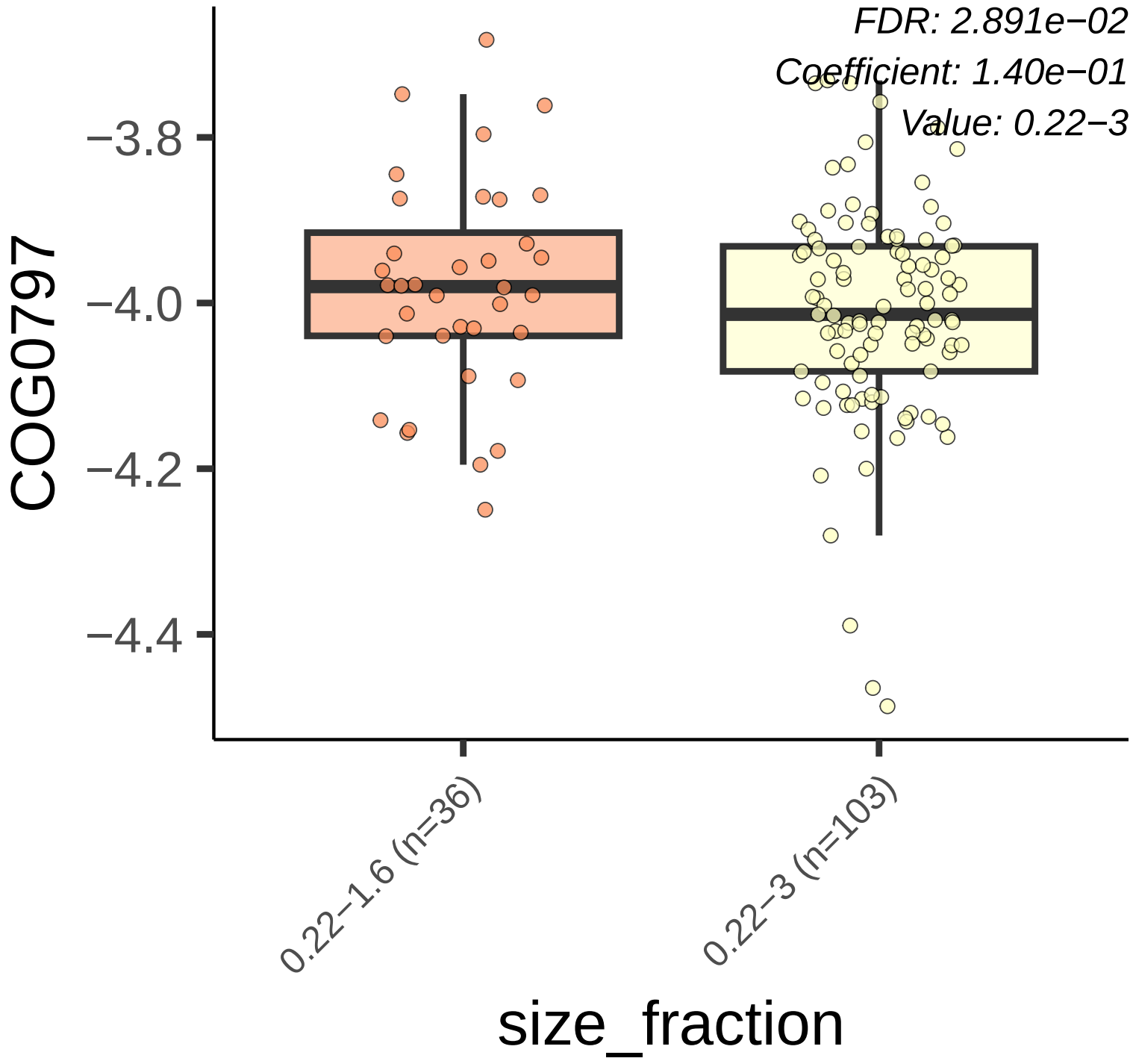

FDR: 2.878e−02
Coefficient: 2.81e−01
Value: 0.22−3
COG3757
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

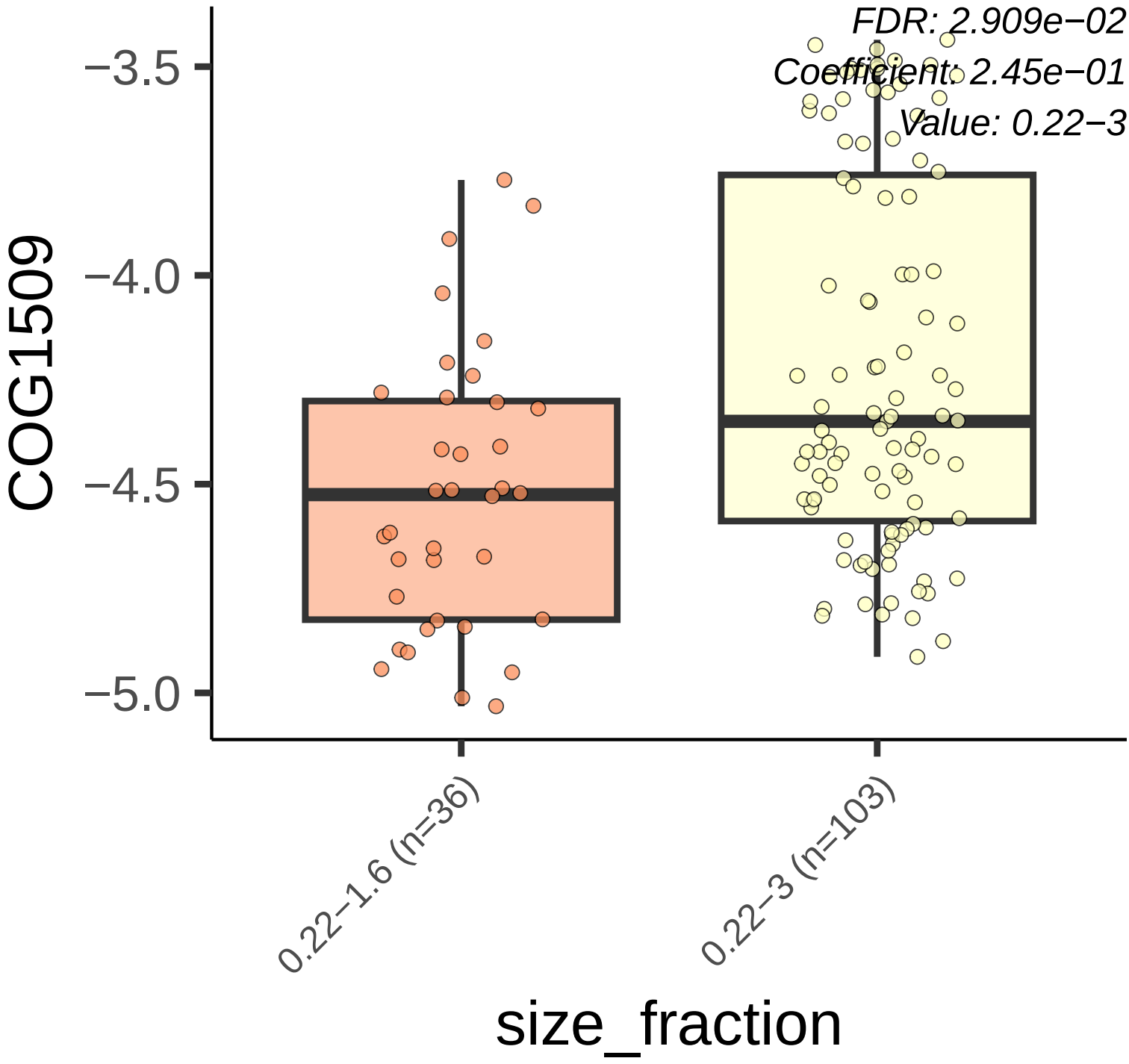

FDR: 2.884e−02
Coefficient: −3.86e−02
Value: 0.22−3
COG0629
−3.2
−3.3
−3.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

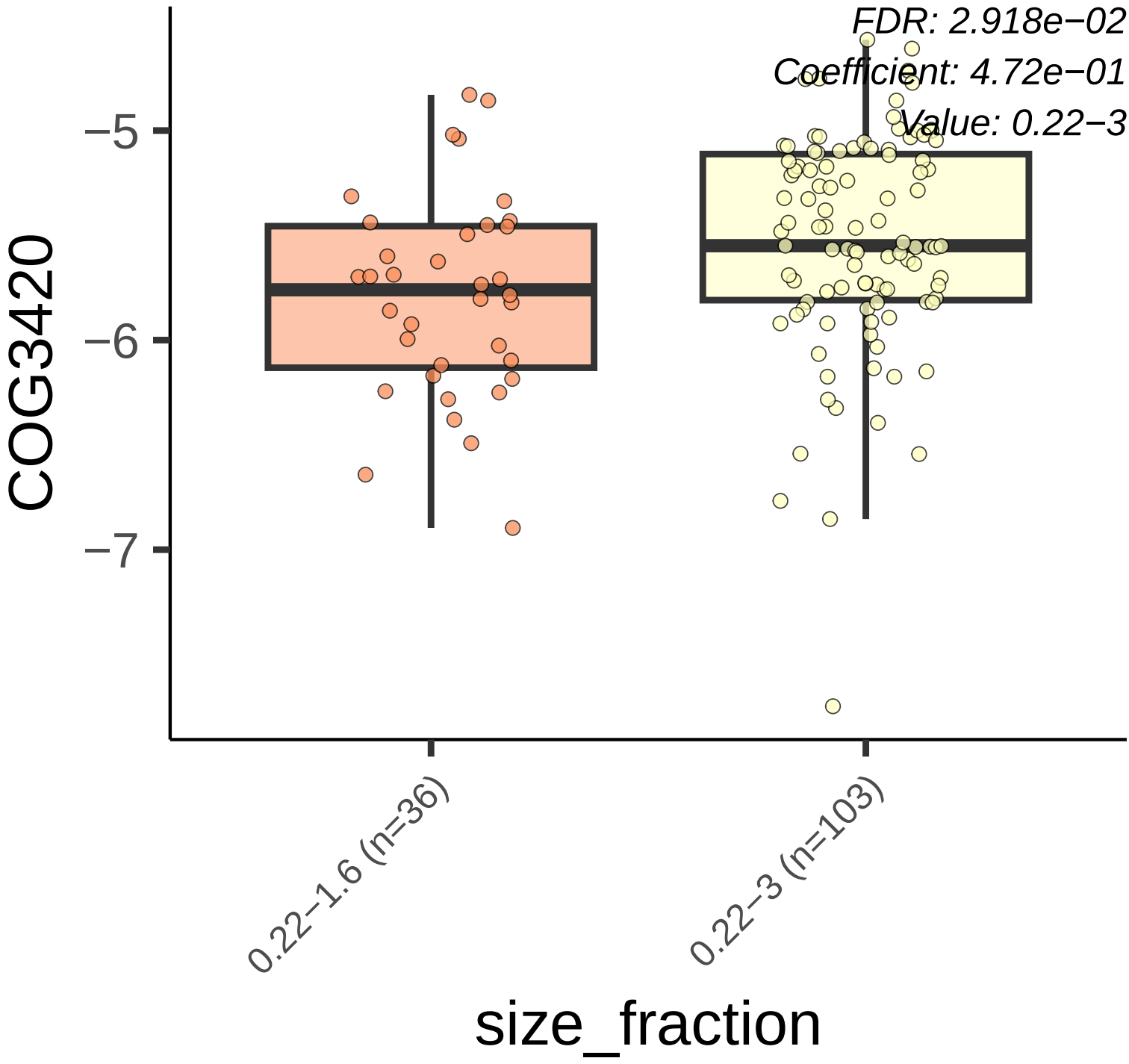

FDR: 2.885e−02
Coefficient: 1.97e−01
Value: 0.22−3
COG1705
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

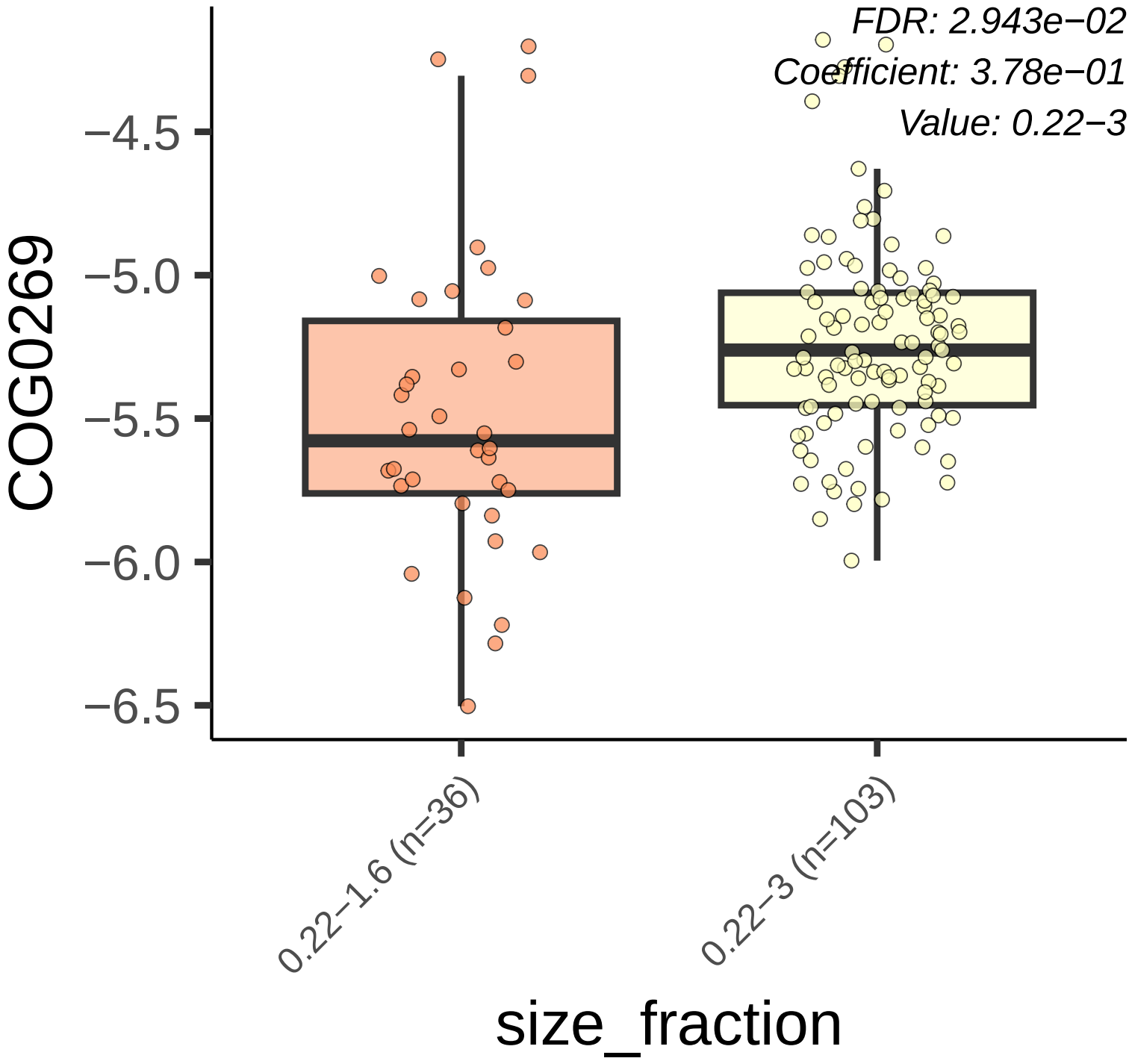

FDR: 2.885e−02
Coefficient: 4.41e−01
Value: 0.22−3
COG3014
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

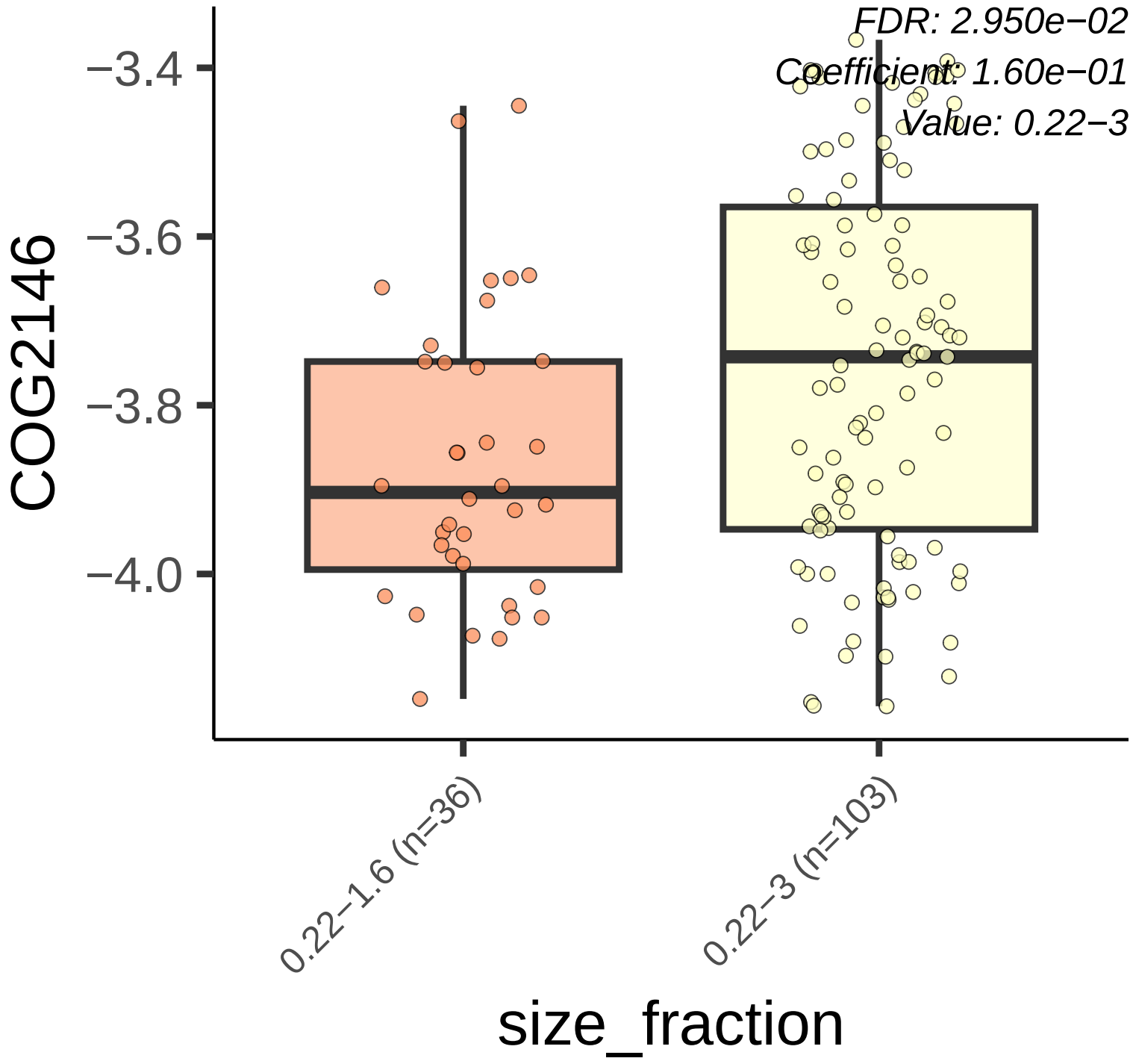

FDR: 2.890e−02
Coefficient: −3.94e−02
Value: 0.22−3
COG0194
−3.2
−3.3
−3.4
−3.5
−3.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

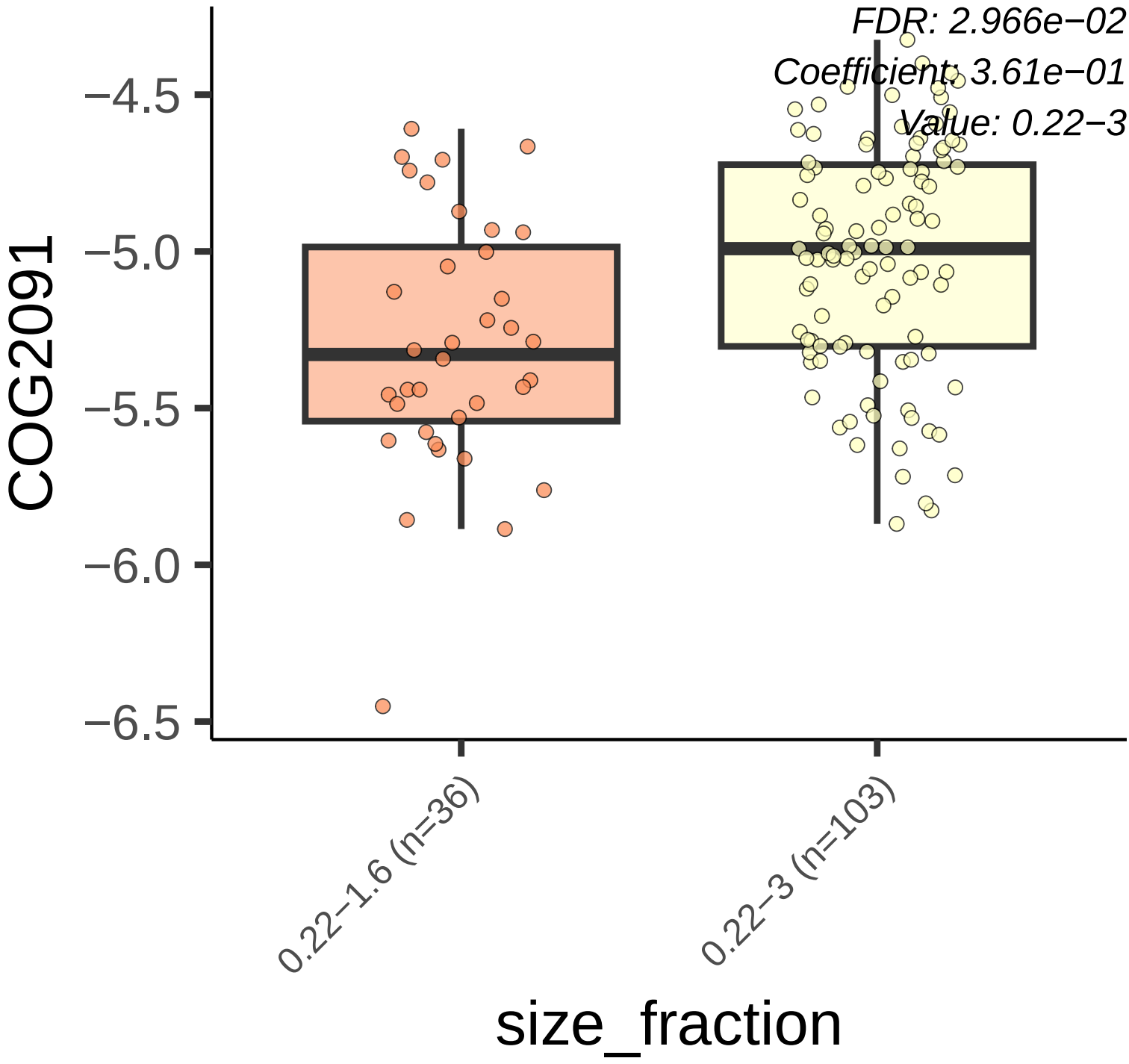

FDR: 2.891e−02
Coefficient: 1.40e−01
Value: 0.22−3
COG0797
−3.8
−4.0
−4.2
−4.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

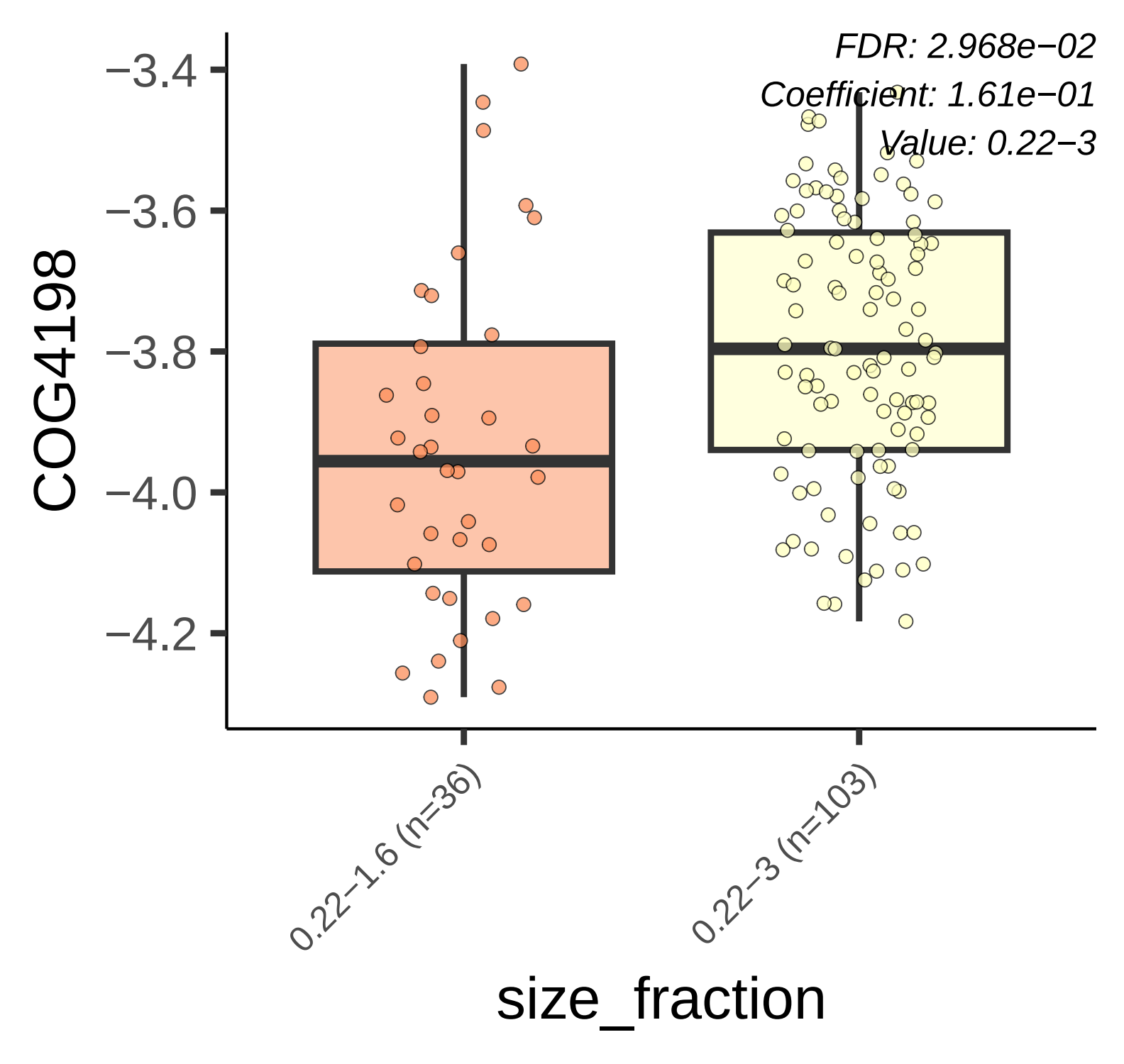

FDR: 2.909e−02
Coefficient: 2.45e−01
Value: 0.22−3
COG1509
−3.5
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

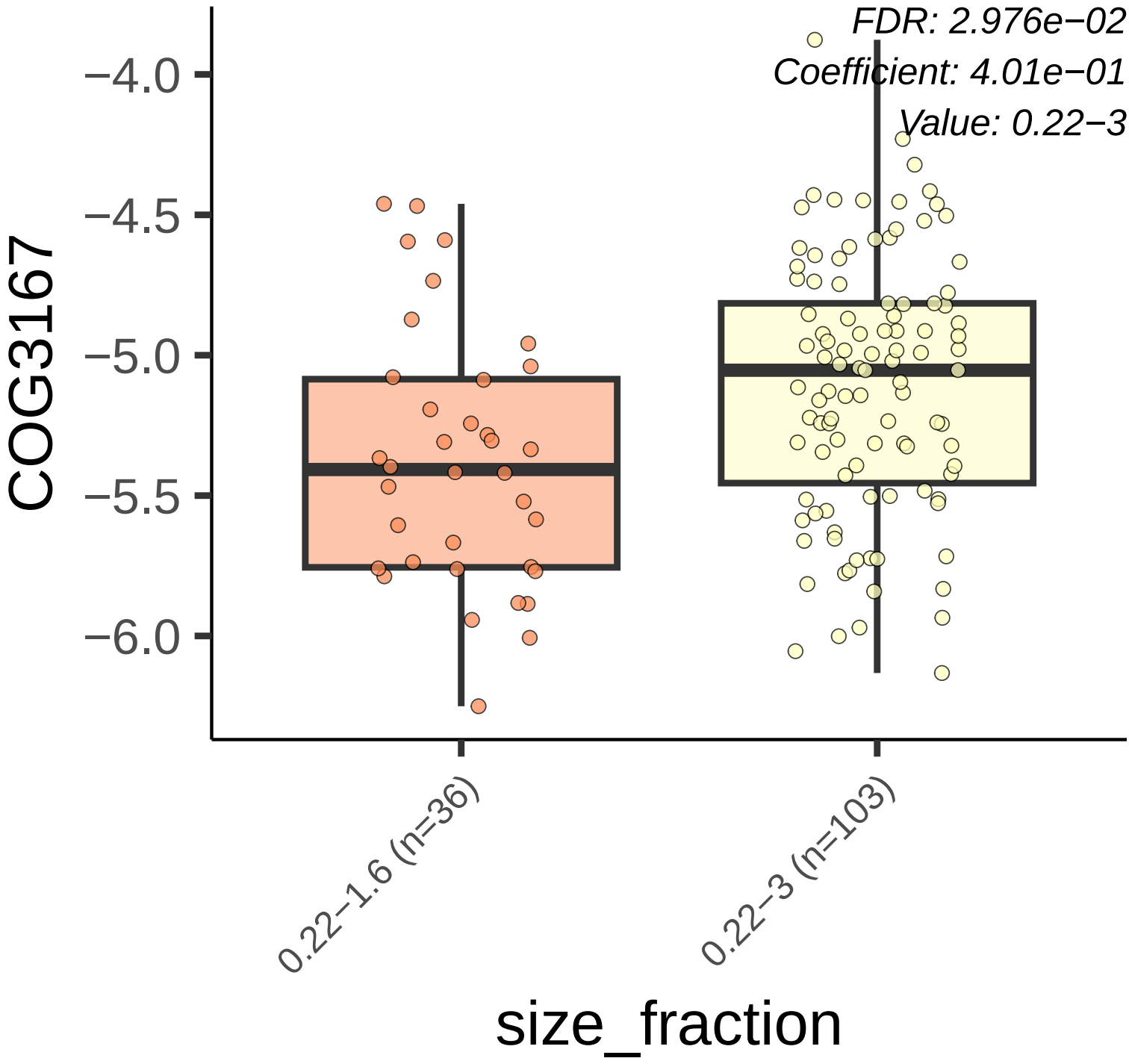

FDR: 2.918e−02
Coefficient: 4.72e−01
Value: 0.22−3
COG3420
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

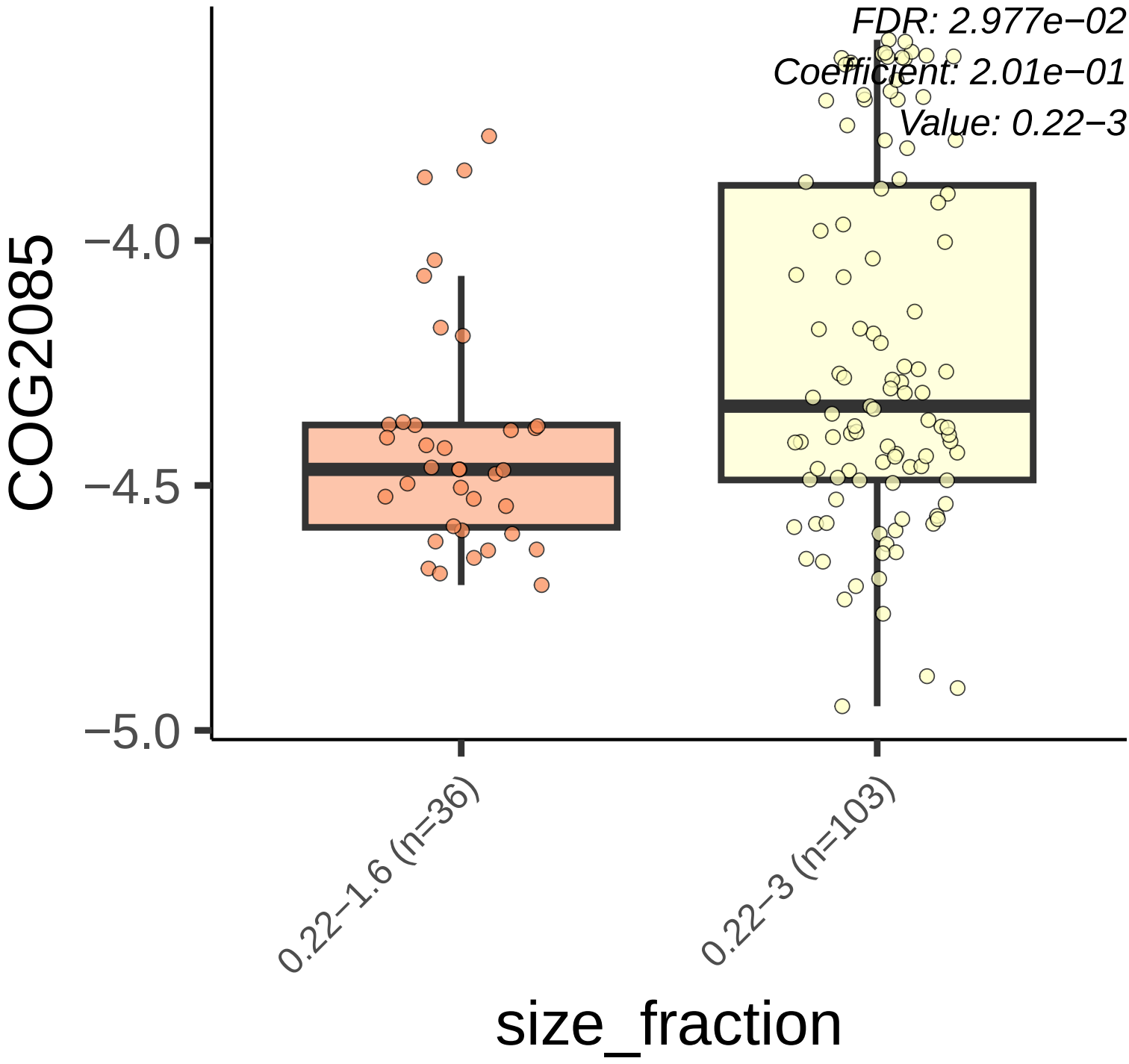

FDR: 2.943e−02
Coefficient: 3.78e−01
Value: 0.22−3
COG0269
−4.5
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

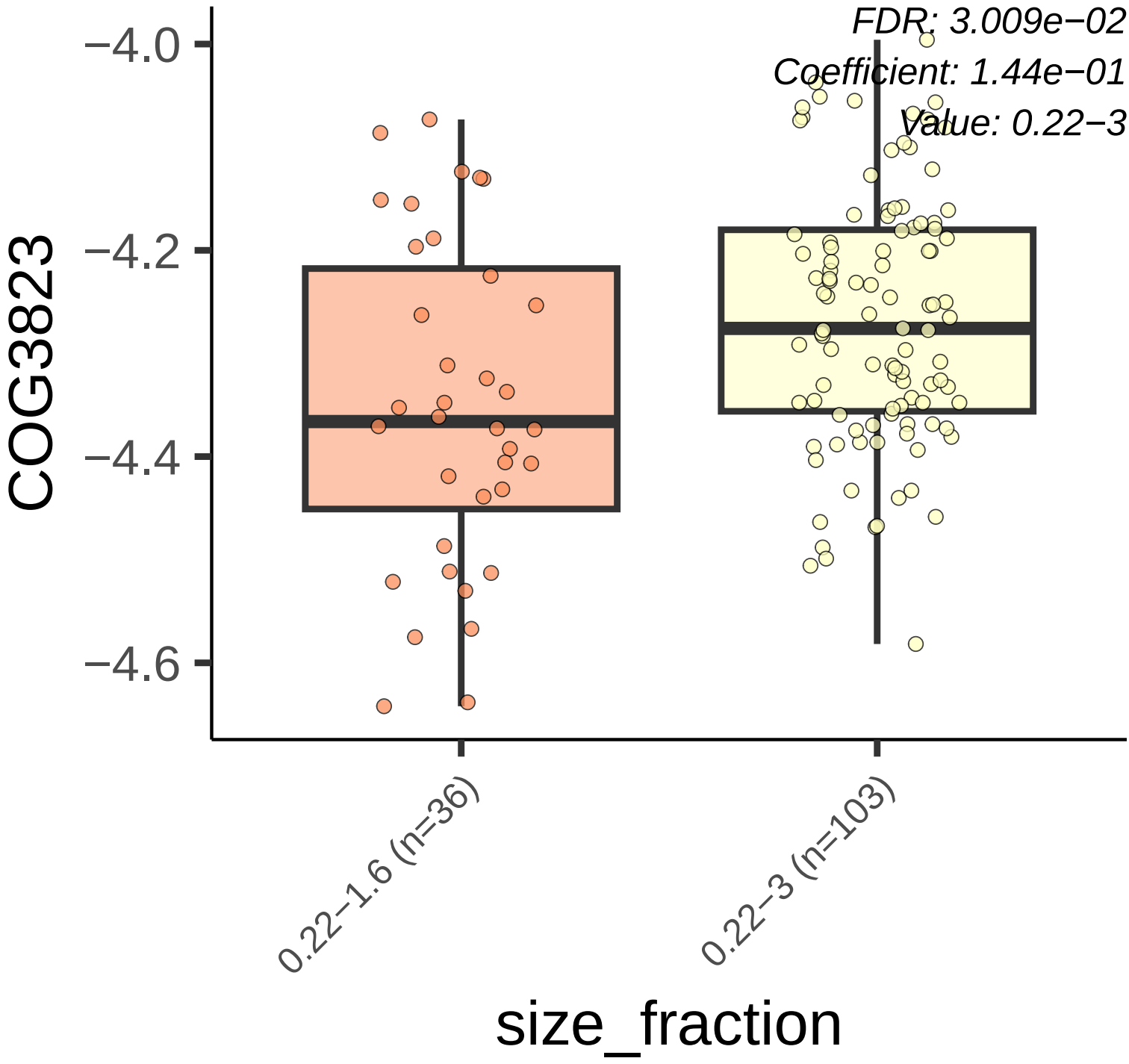

FDR: 2.950e−02
Coefficient: 1.60e−01
Value: 0.22−3
−3.4
−3.6
−3.8
−4.0
COG2146
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

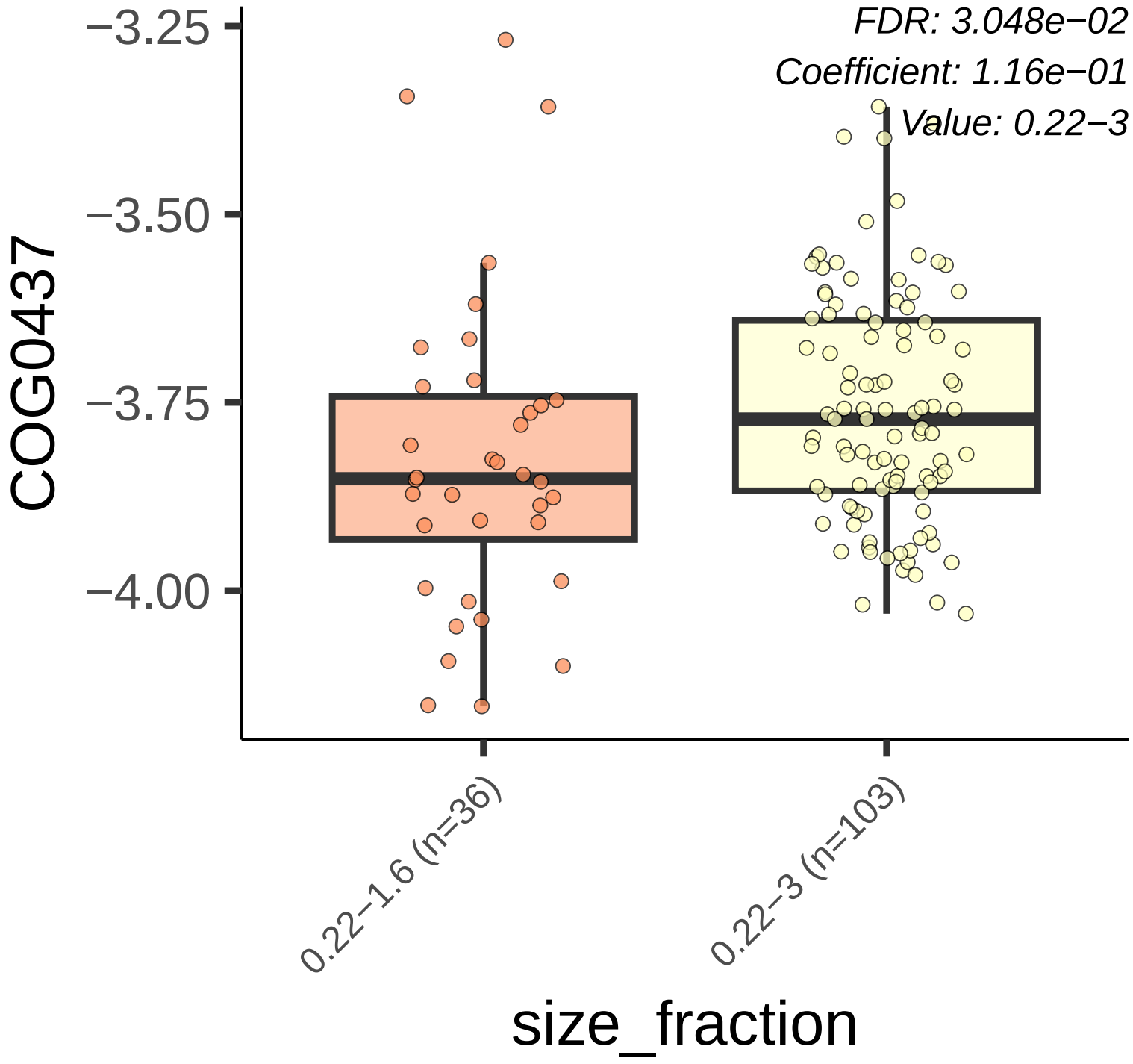

FDR: 2.966e−02
Coefficient: 3.61e−01
Value: 0.22−3
COG2091
−4.5
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

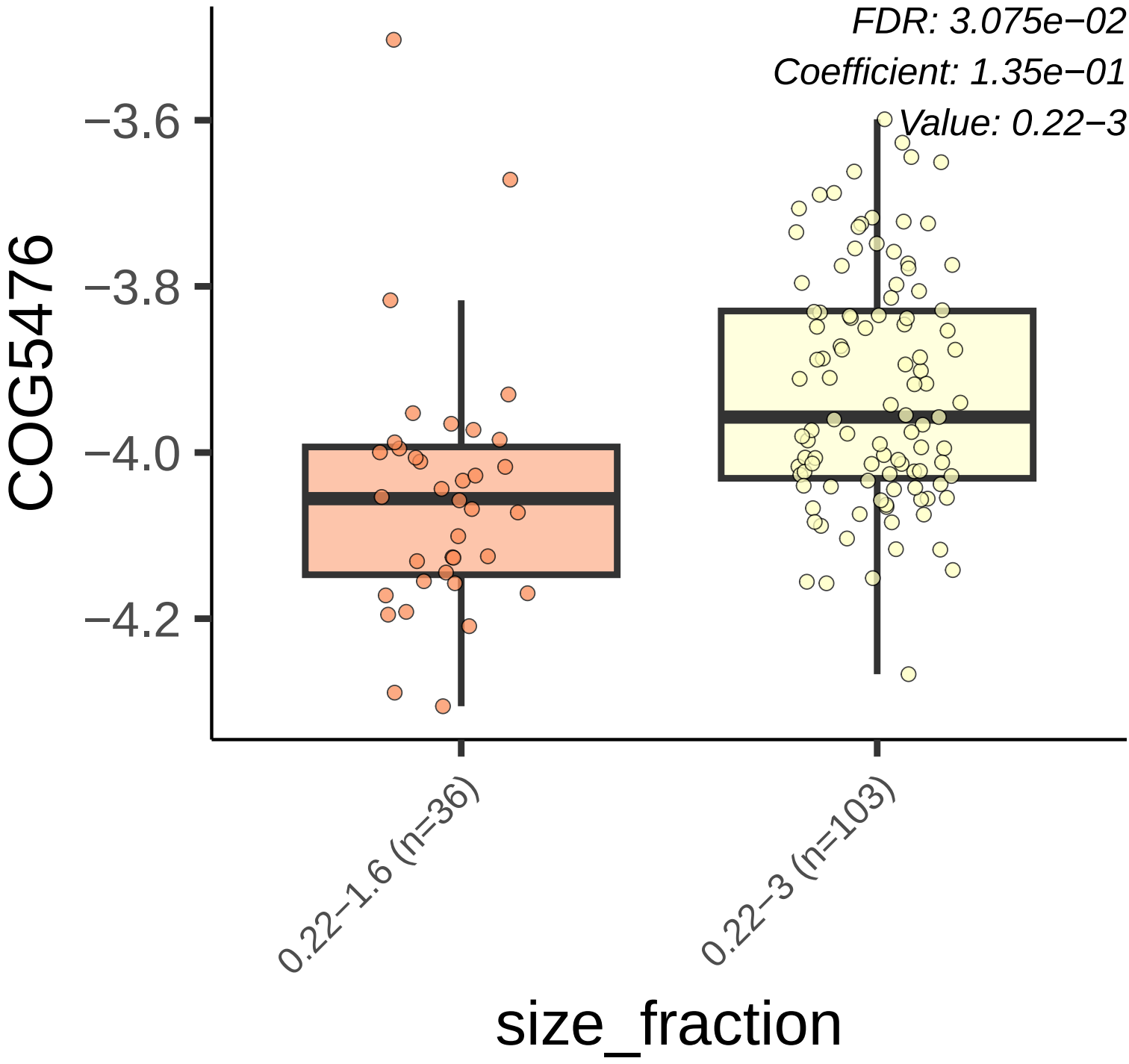

FDR: 2.968e−02
Coefficient: 1.61e−01
Value: 0.22−3
COG4198
−3.4
−3.6
−3.8
−4.0
−4.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

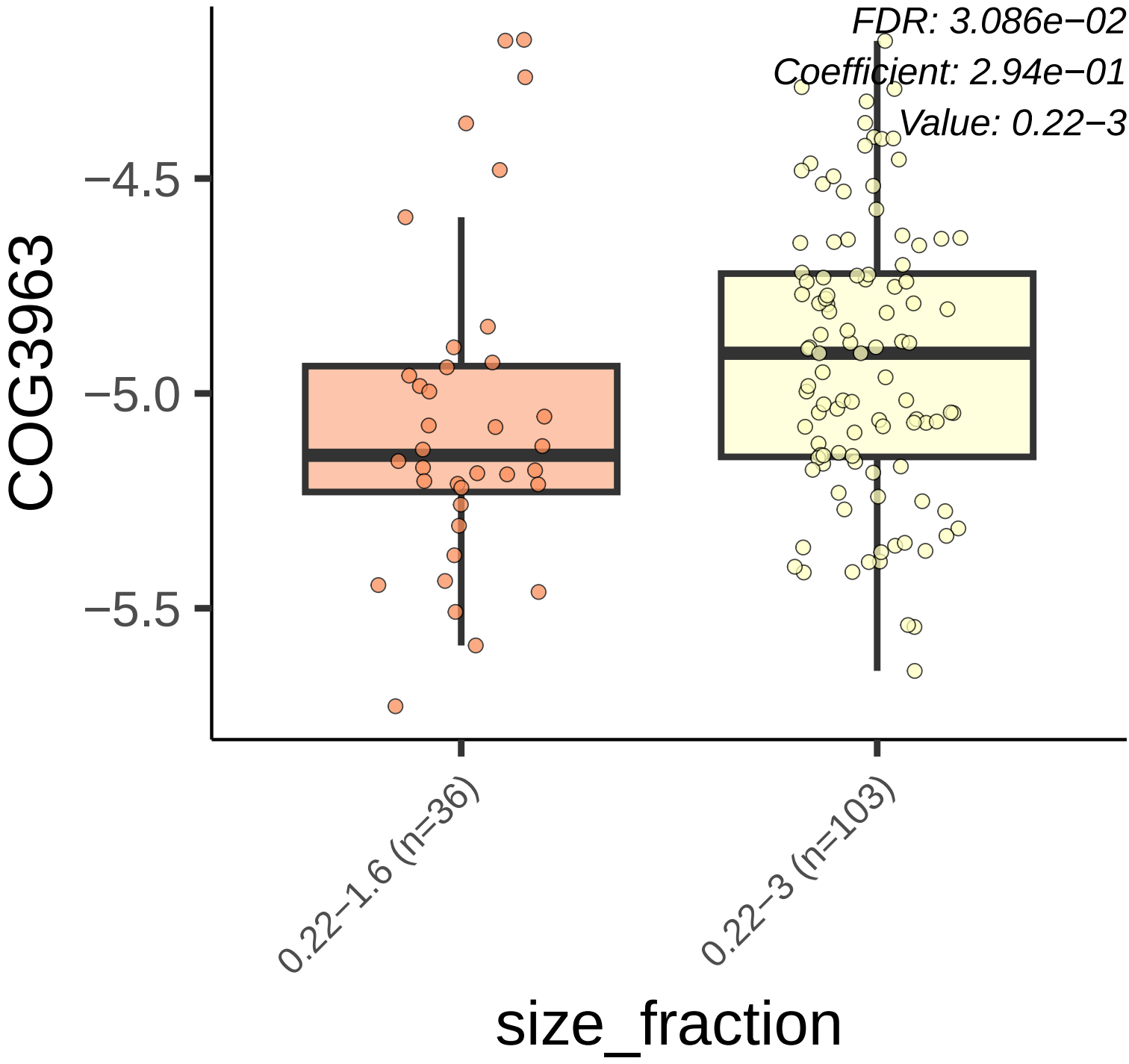

FDR: 2.976e−02
Coefficient: 4.01e−01
Value: 0.22−3
COG3167
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

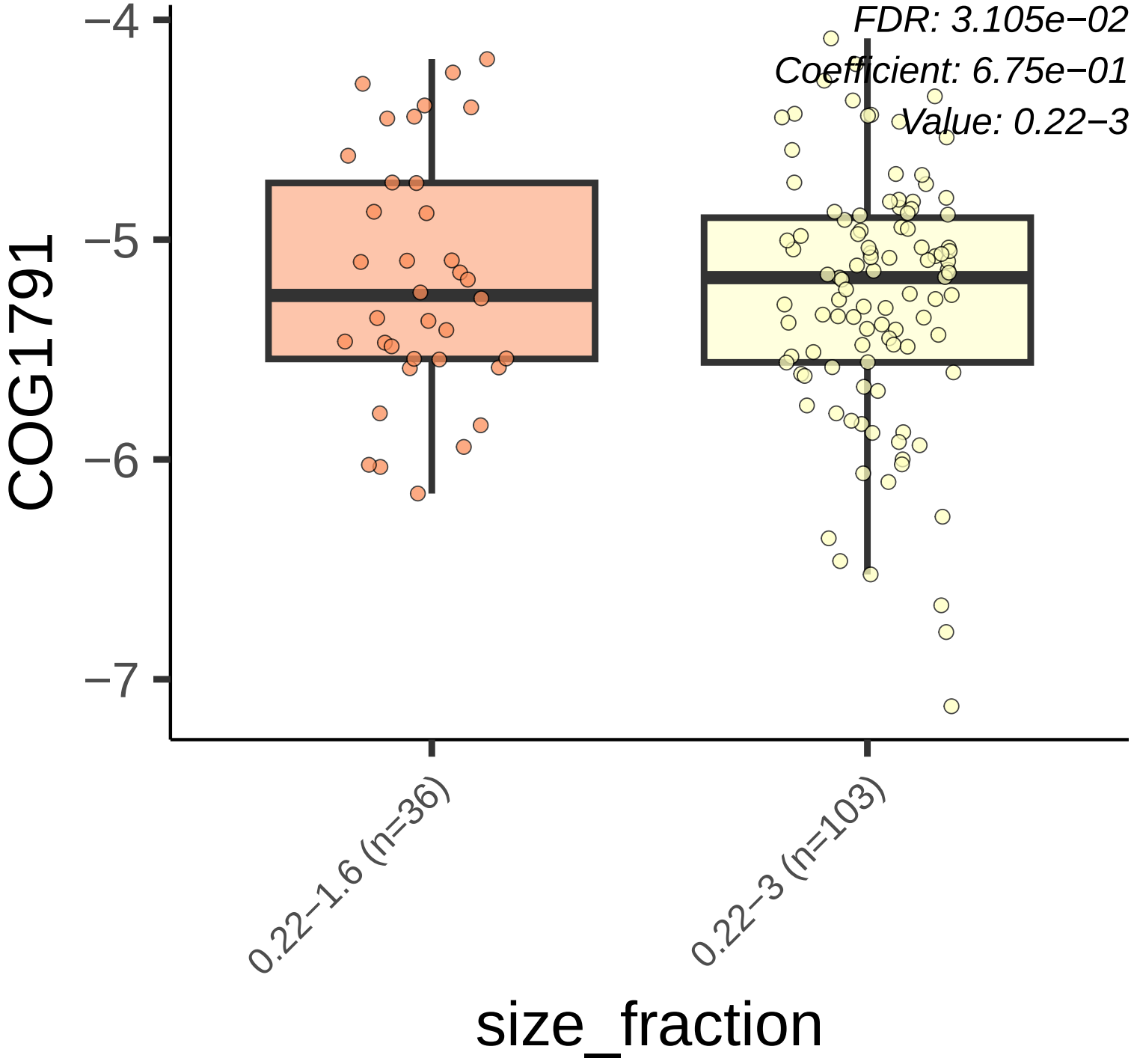

FDR: 2.977e−02
Coefficient: 2.01e−01
Value: 0.22−3
COG2085
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

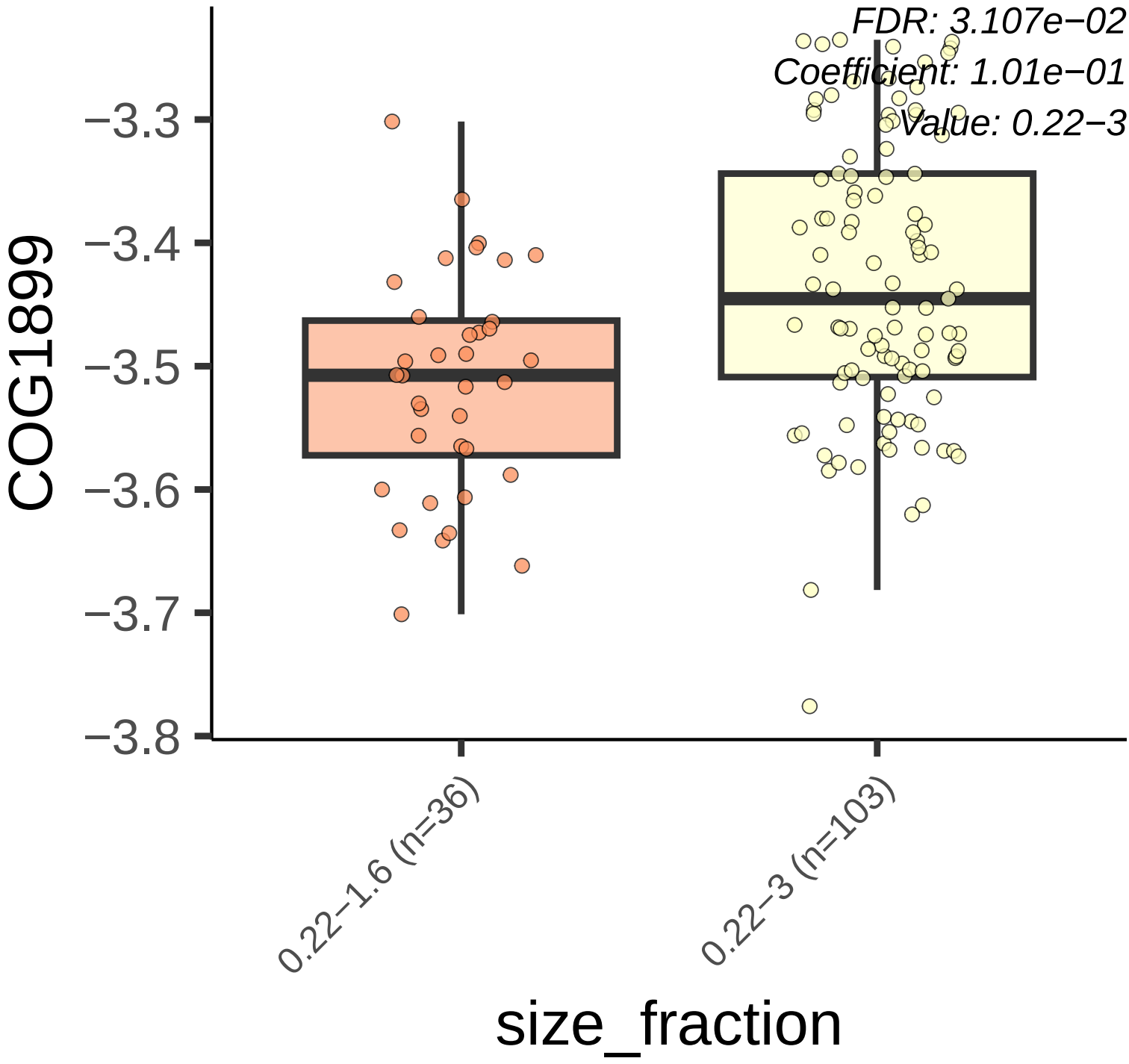

FDR: 3.009e−02
Coefficient: 1.44e−01
Value: 0.22−3
COG3823
−4.0
−4.2
−4.4
−4.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

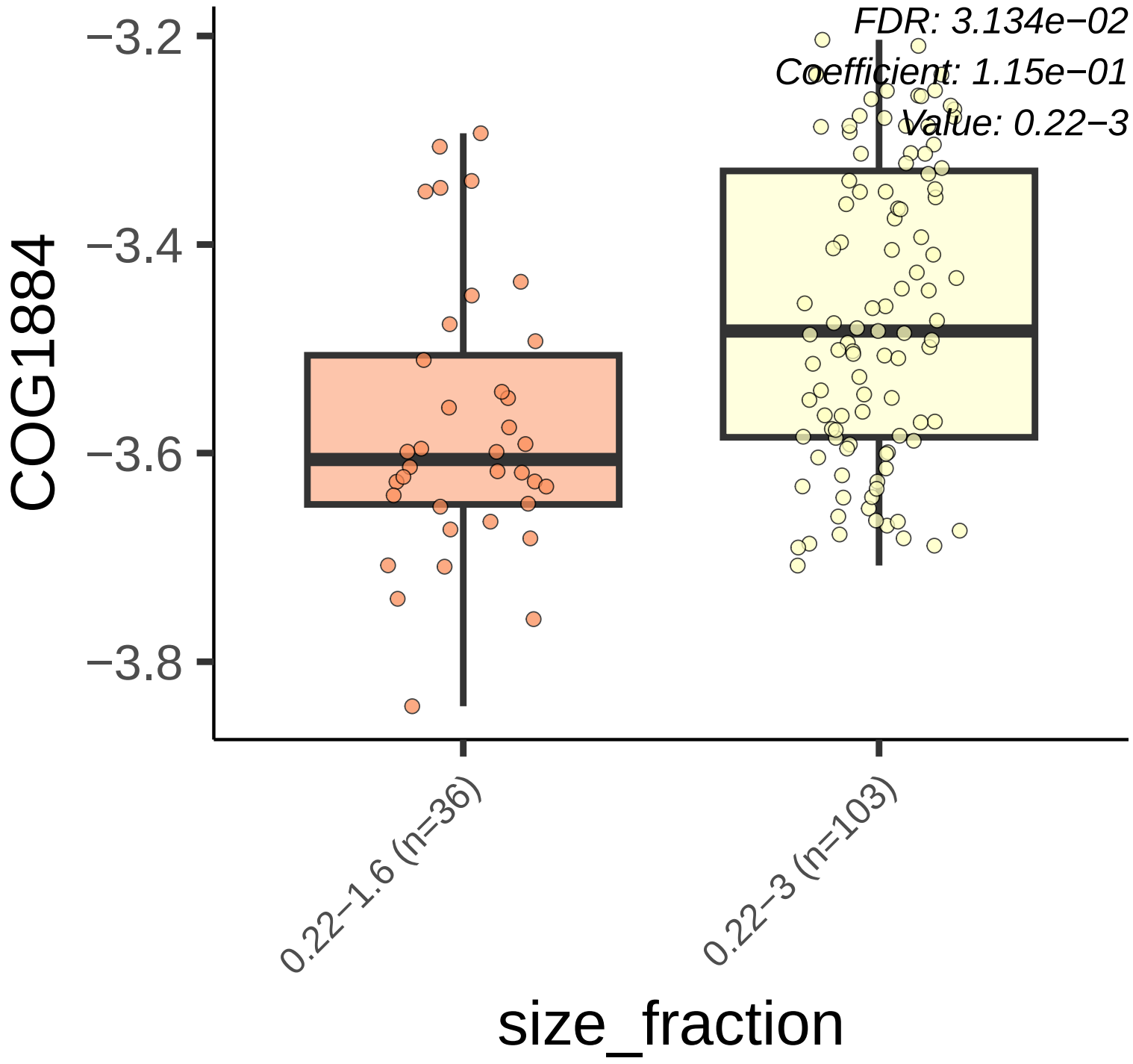

FDR: 3.048e−02
Coefficient: 1.16e−01
Value: 0.22−3
−3.25
−3.50
−3.75
−4.00
COG0437
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

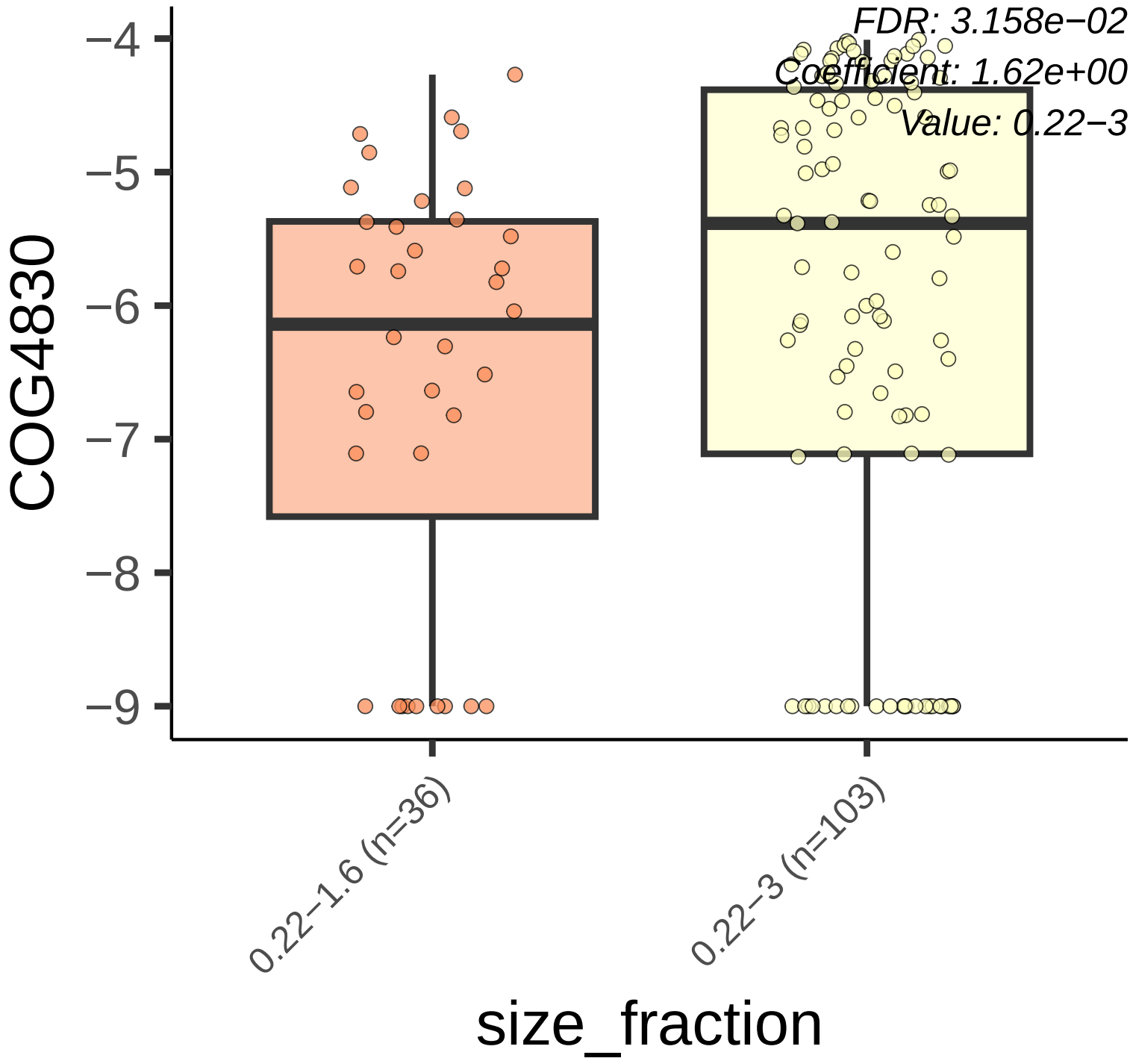

FDR: 3.075e−02
Coefficient: 1.35e−01
Value: 0.22−3
COG5476
−3.6
−3.8
−4.0
−4.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

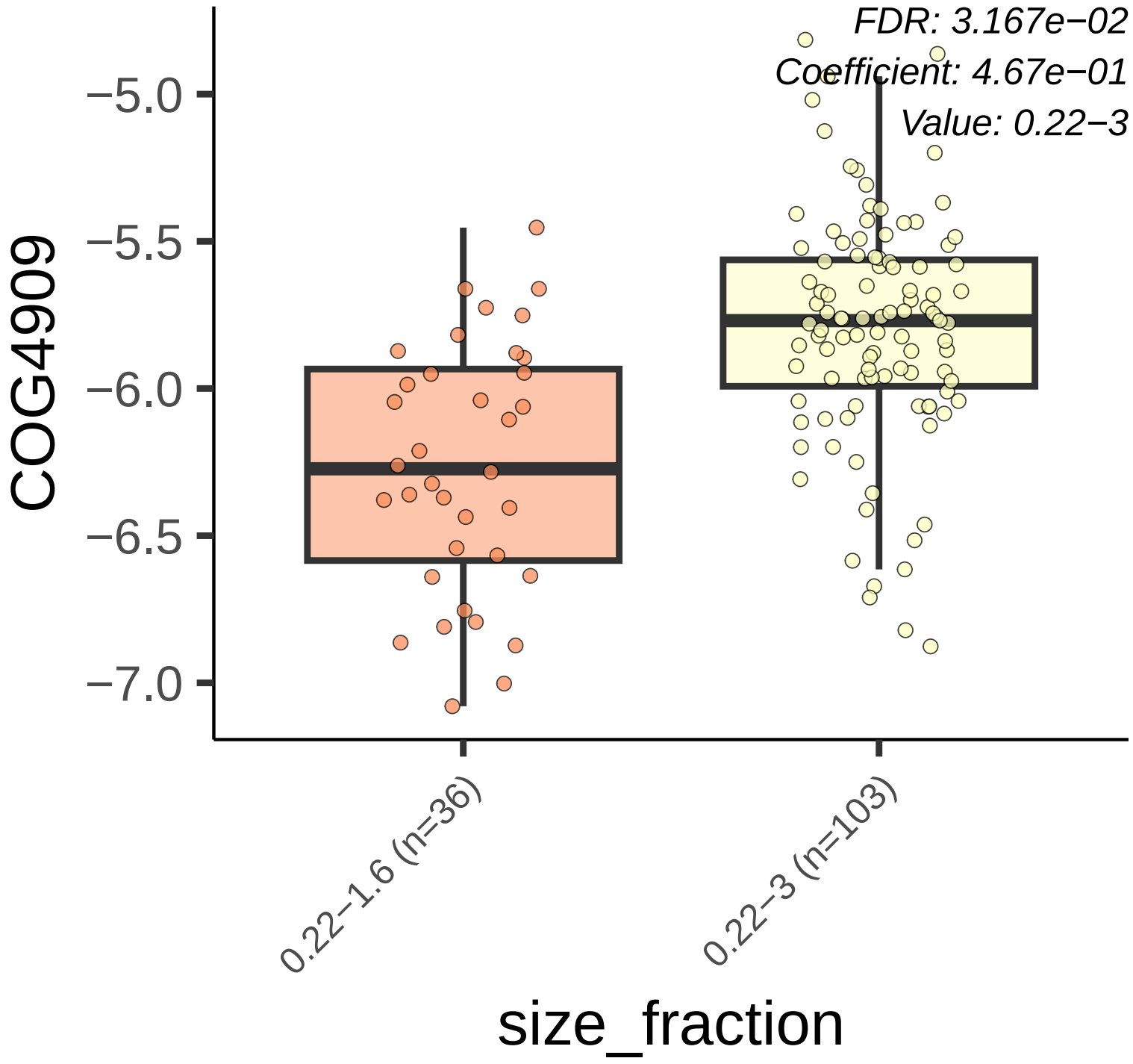

FDR: 3.086e−02
Coefficient: 2.94e−01
Value: 0.22−3
COG3963
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

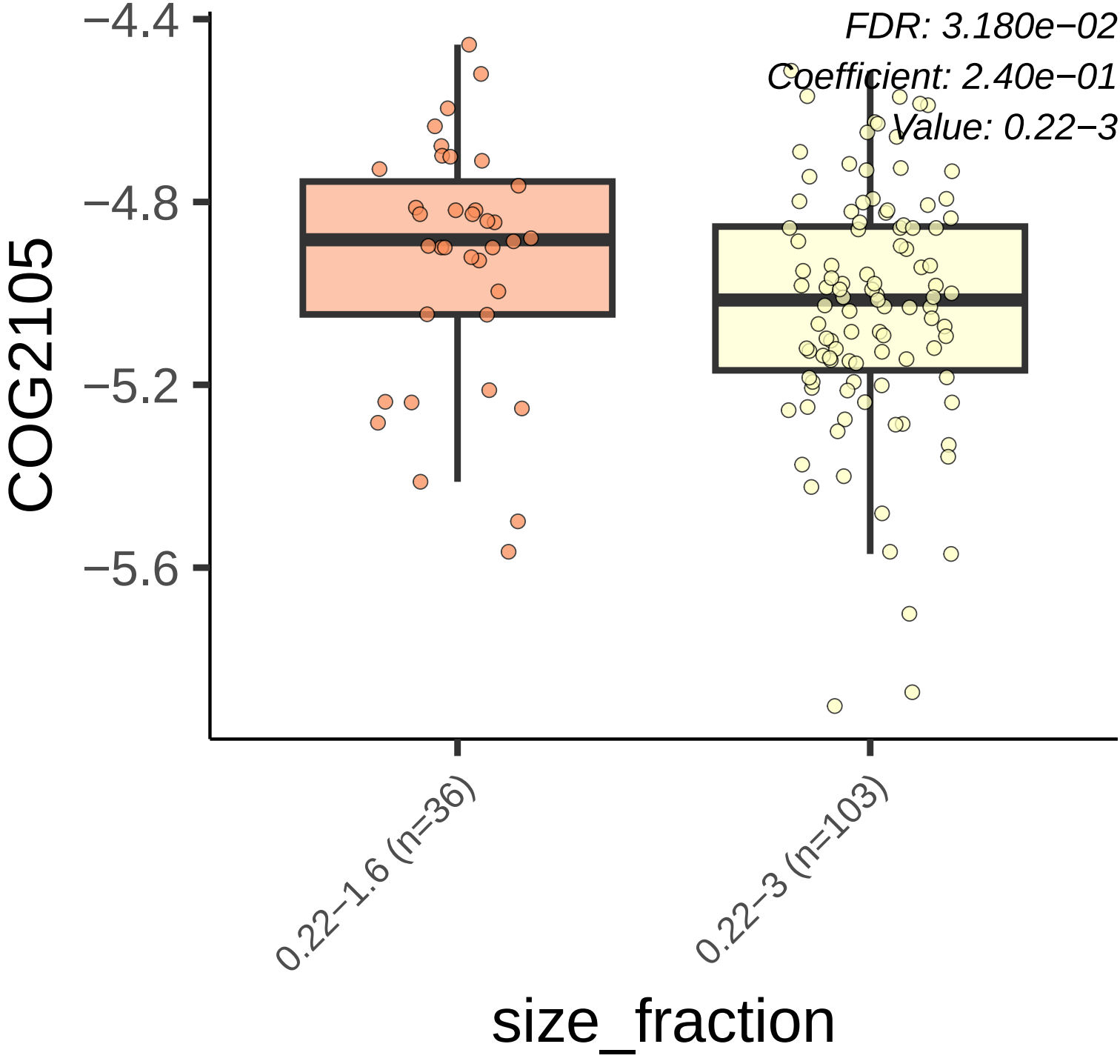

FDR: 3.105e−02
Coefficient: 6.75e−01
Value: 0.22−3
COG1791
−4
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

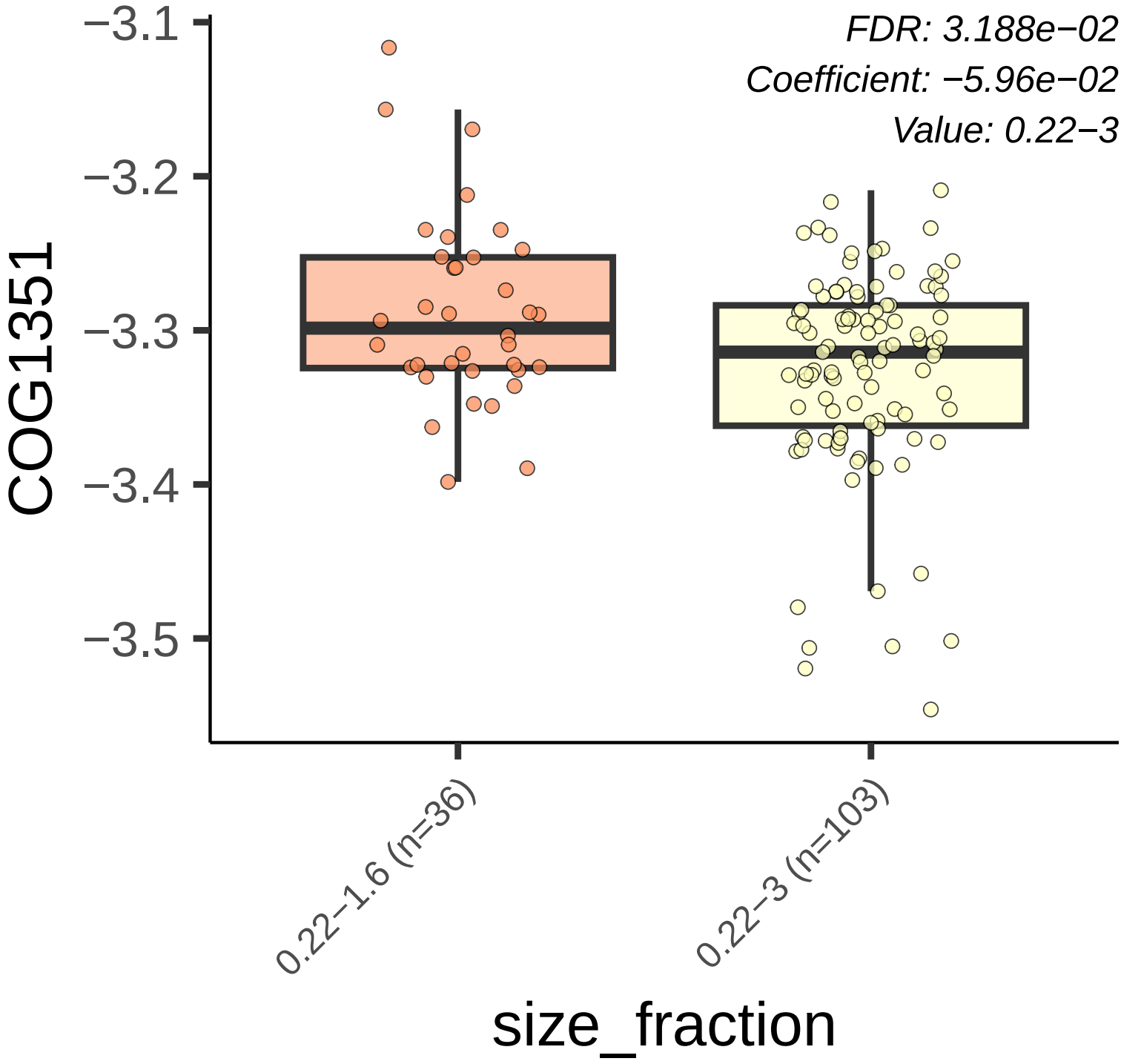

FDR: 3.107e−02
Coefficient: 1.01e−01
Value: 0.22−3
COG1899
−3.3
−3.4
−3.5
−3.6
−3.7
−3.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

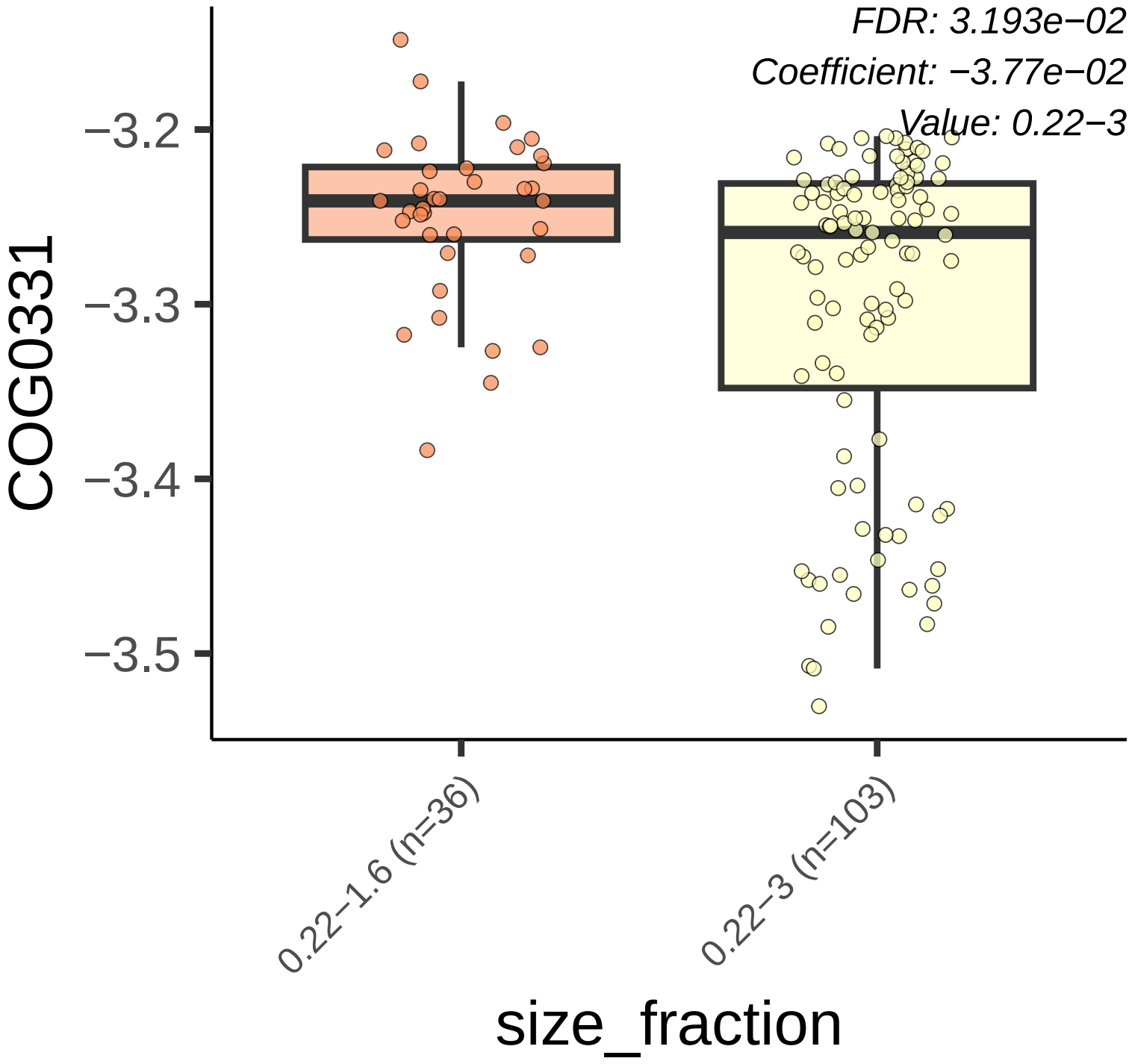

FDR: 3.134e−02
Coefficient: 1.15e−01
Value: 0.22−3
−3.2
−3.4
−3.6
−3.8
COG1884
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

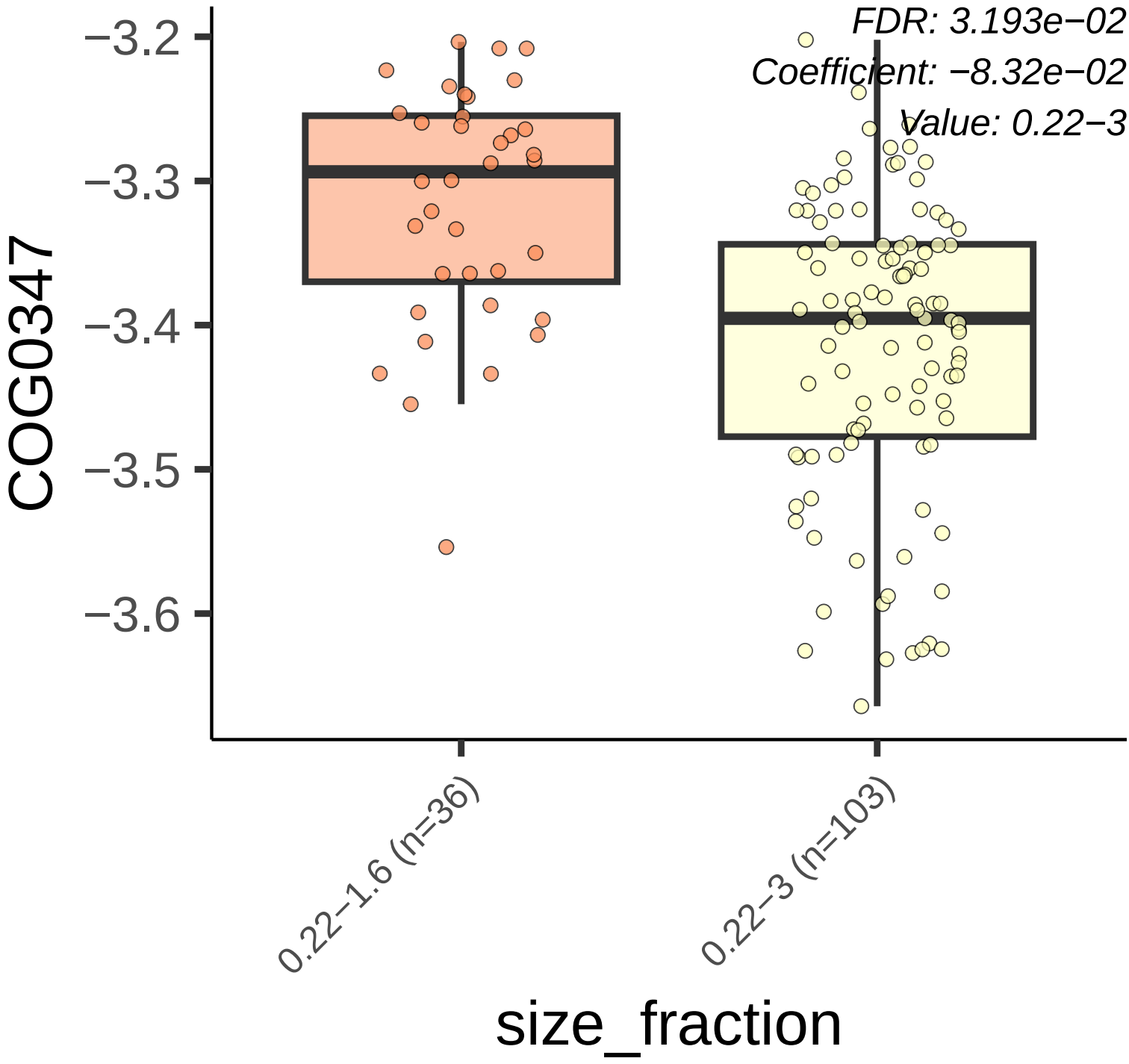

FDR: 3.158e−02
Coefficient: 1.62e+00
Value: 0.22−3
COG4830
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

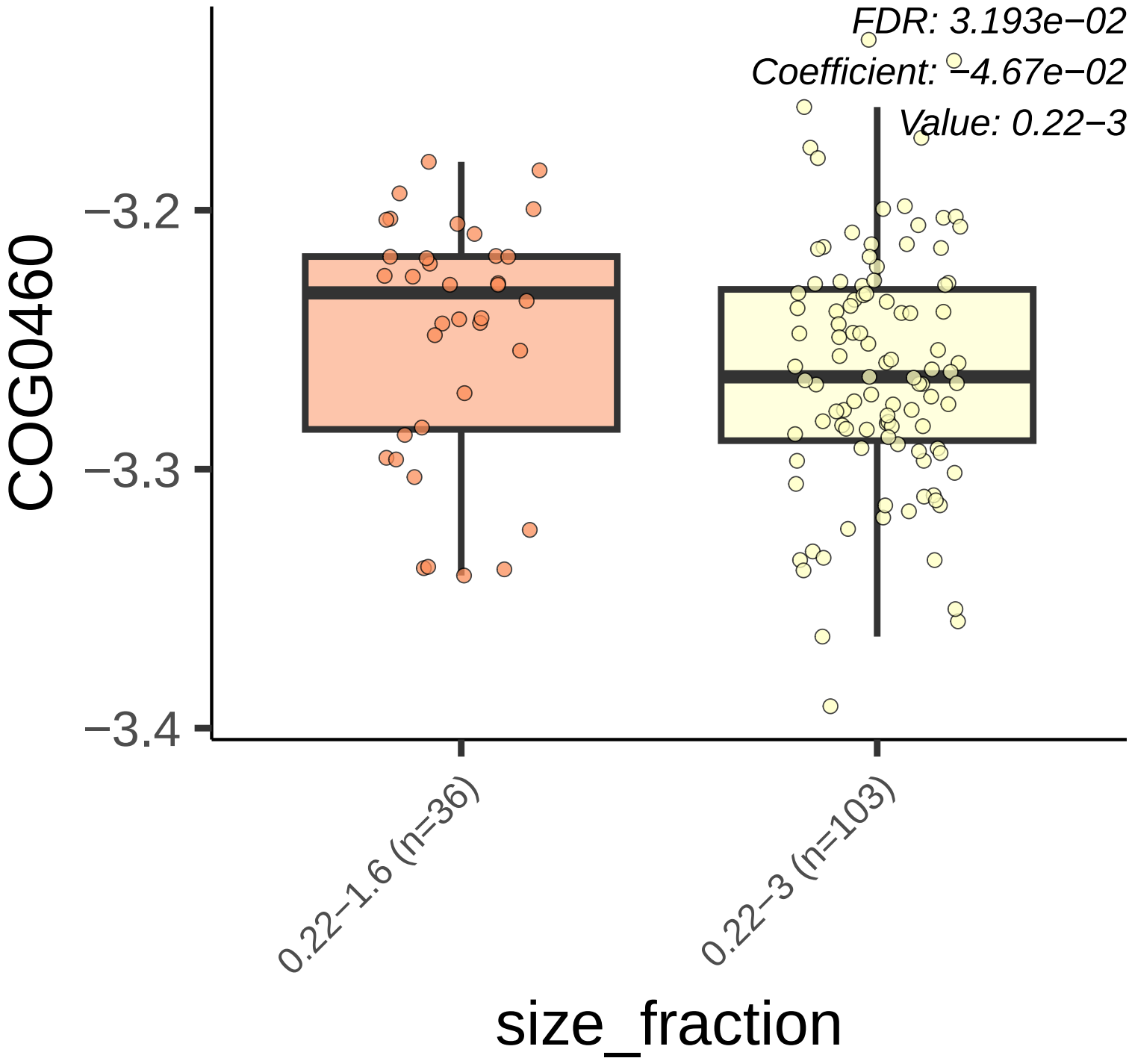

FDR: 3.167e−02
Coefficient: 4.67e−01
Value: 0.22−3
COG4909
−5.0
−5.5
−6.0
−6.5
−7.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

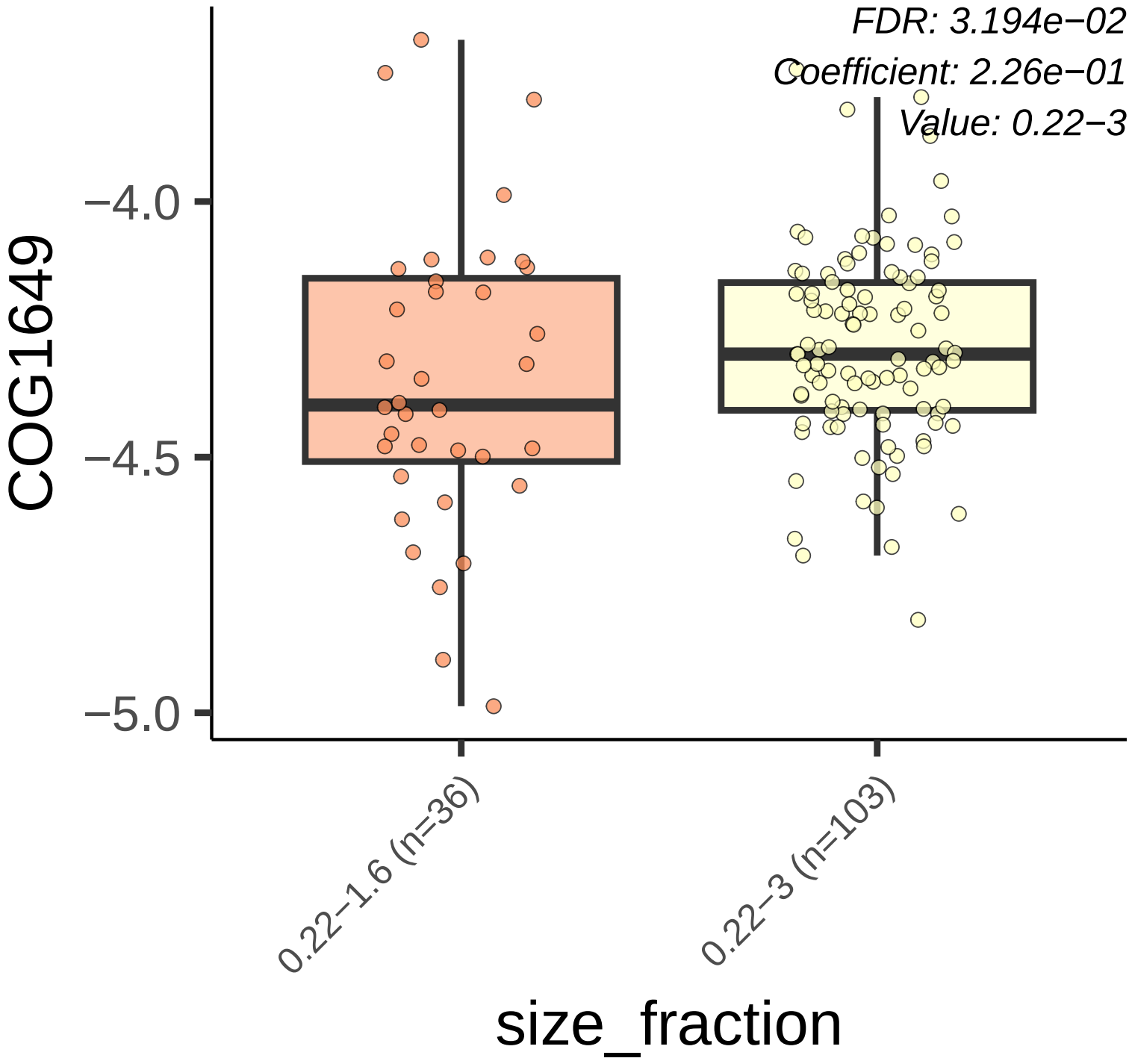

FDR: 3.180e−02
Coefficient: 2.40e−01
Value: 0.22−3
−4.4
−4.8
−5.2
−5.6
COG2105
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

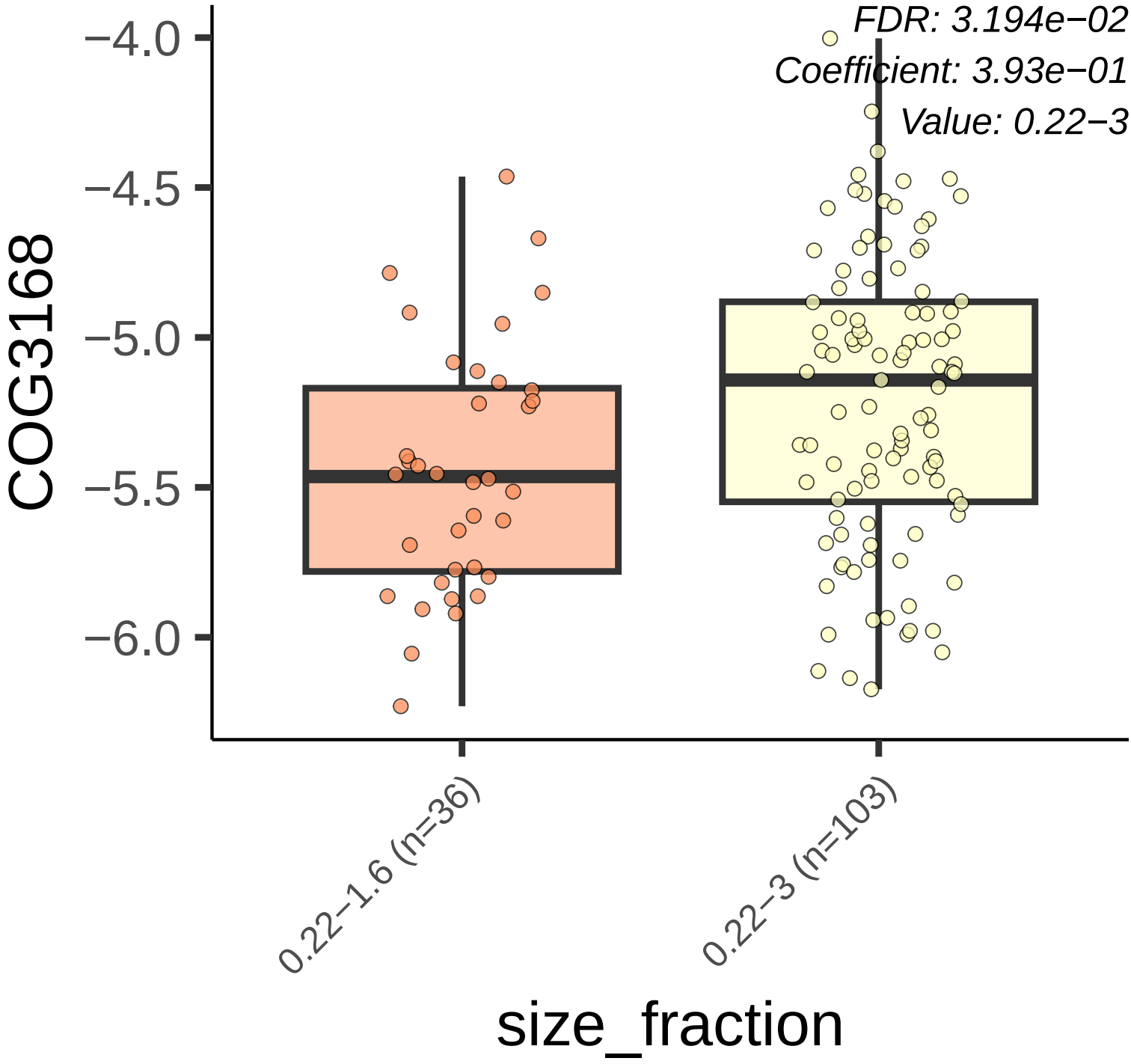

FDR: 3.188e−02
Coefficient: −5.96e−02
Value: 0.22−3
COG1351
−3.1
−3.2
−3.3
−3.4
−3.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

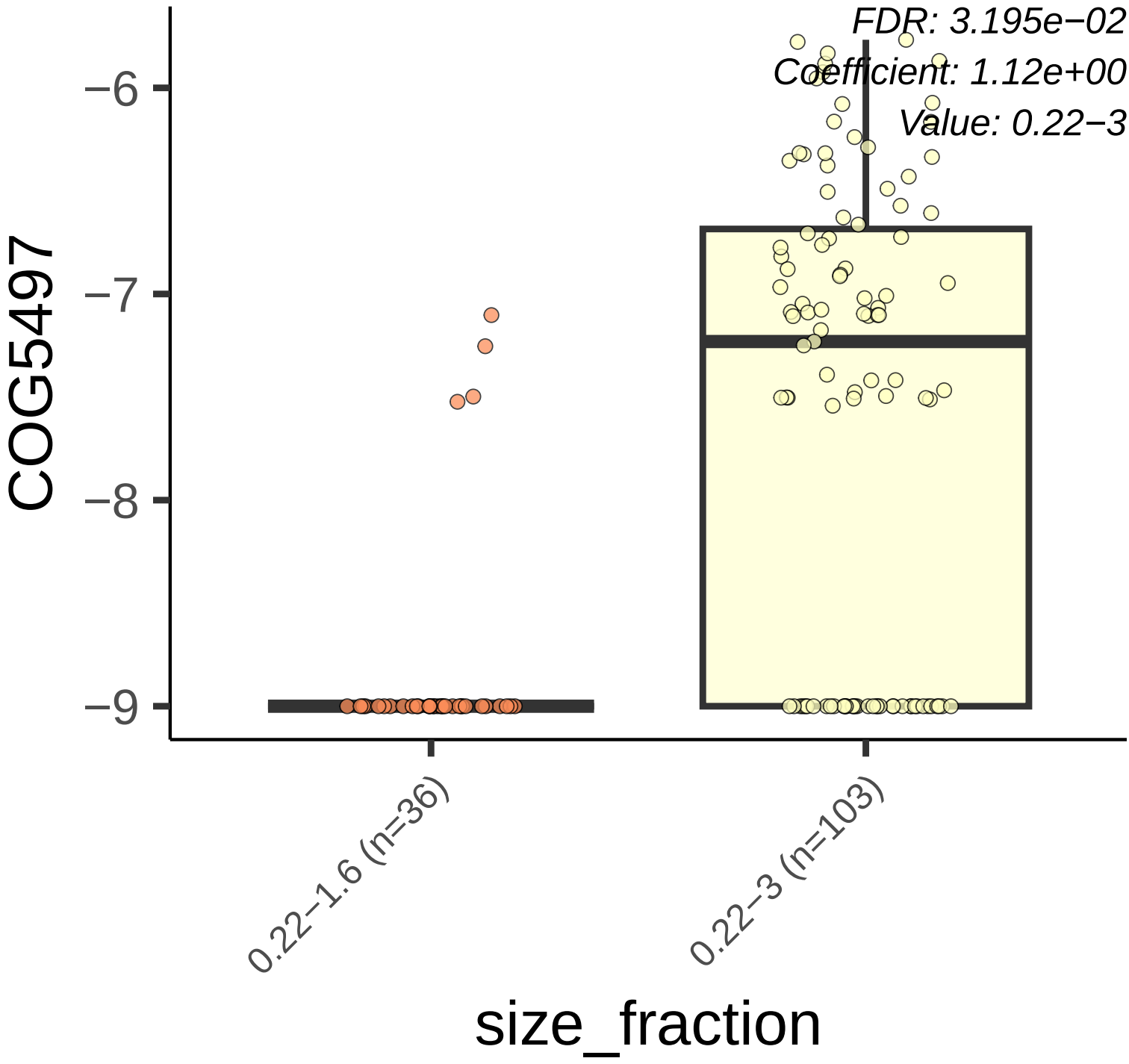

FDR: 3.193e−02
Coefficient: −3.77e−02
Value: 0.22−3
COG0331
−3.2
−3.3
−3.4
−3.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

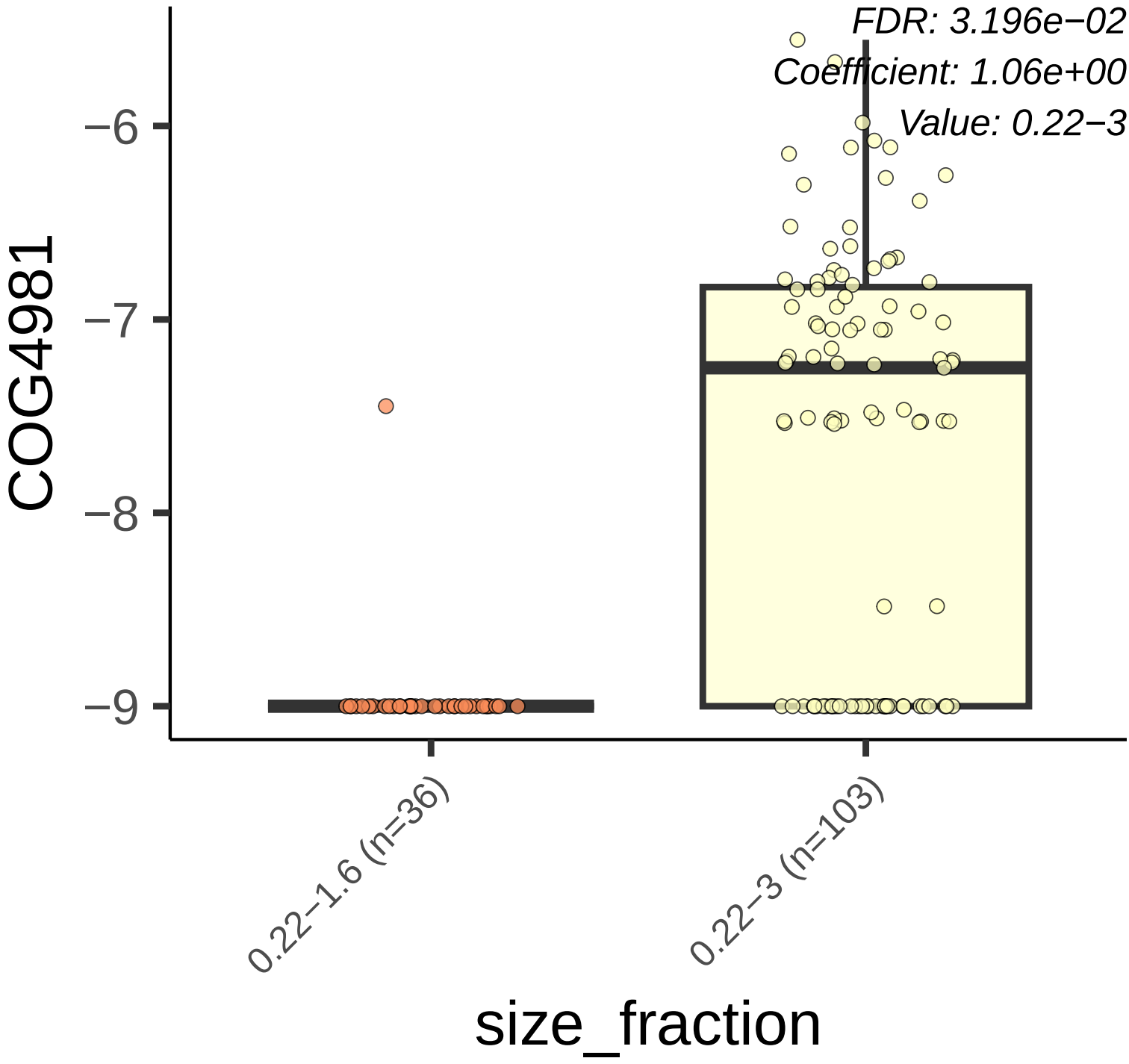

FDR: 3.193e−02
Coefficient: −8.32e−02
Value: 0.22−3
COG0347
−3.2
−3.3
−3.4
−3.5
−3.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

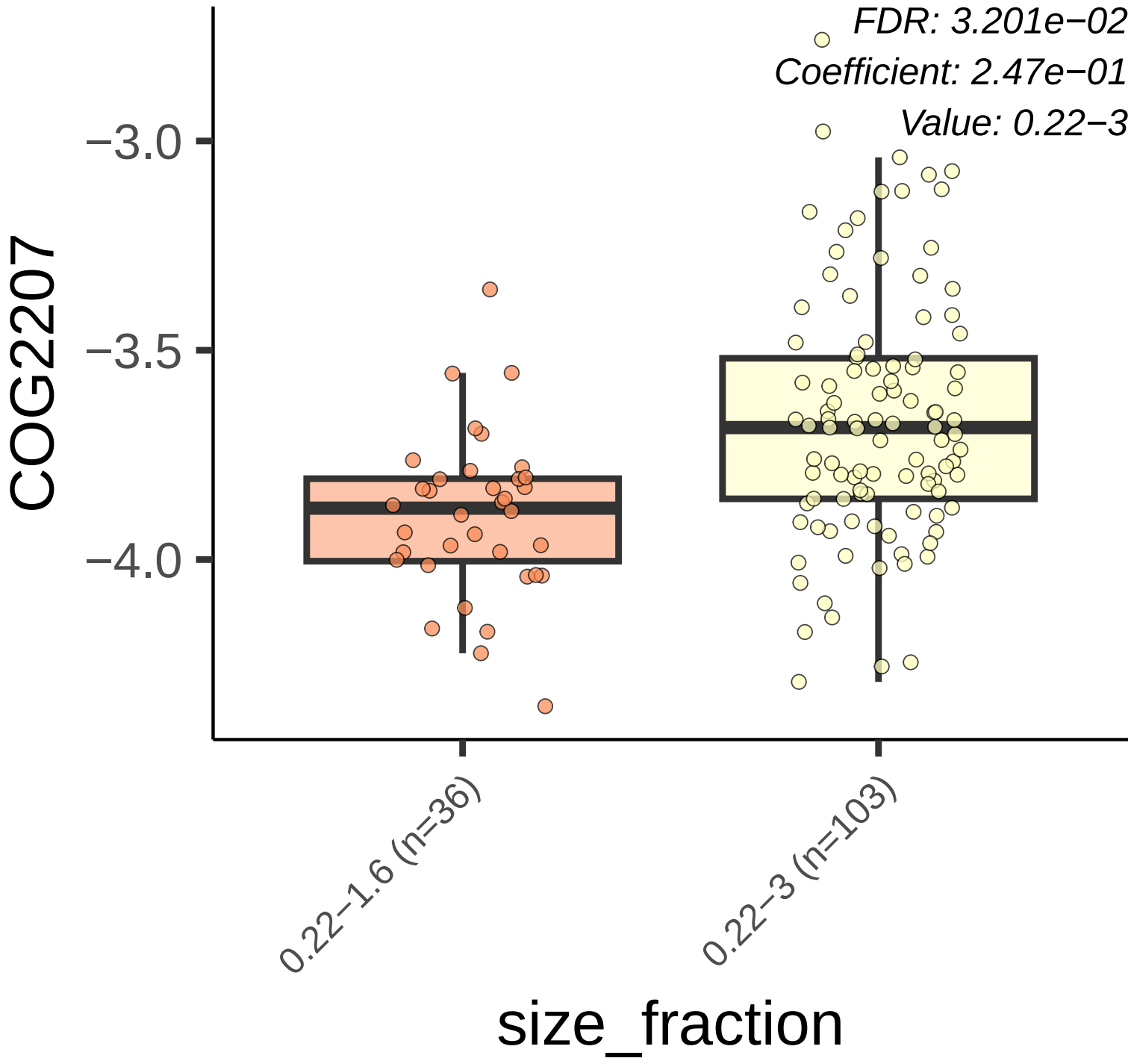

FDR: 3.193e−02
Coefficient: −4.67e−02
Value: 0.22−3
COG0460
−3.2
−3.3
−3.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

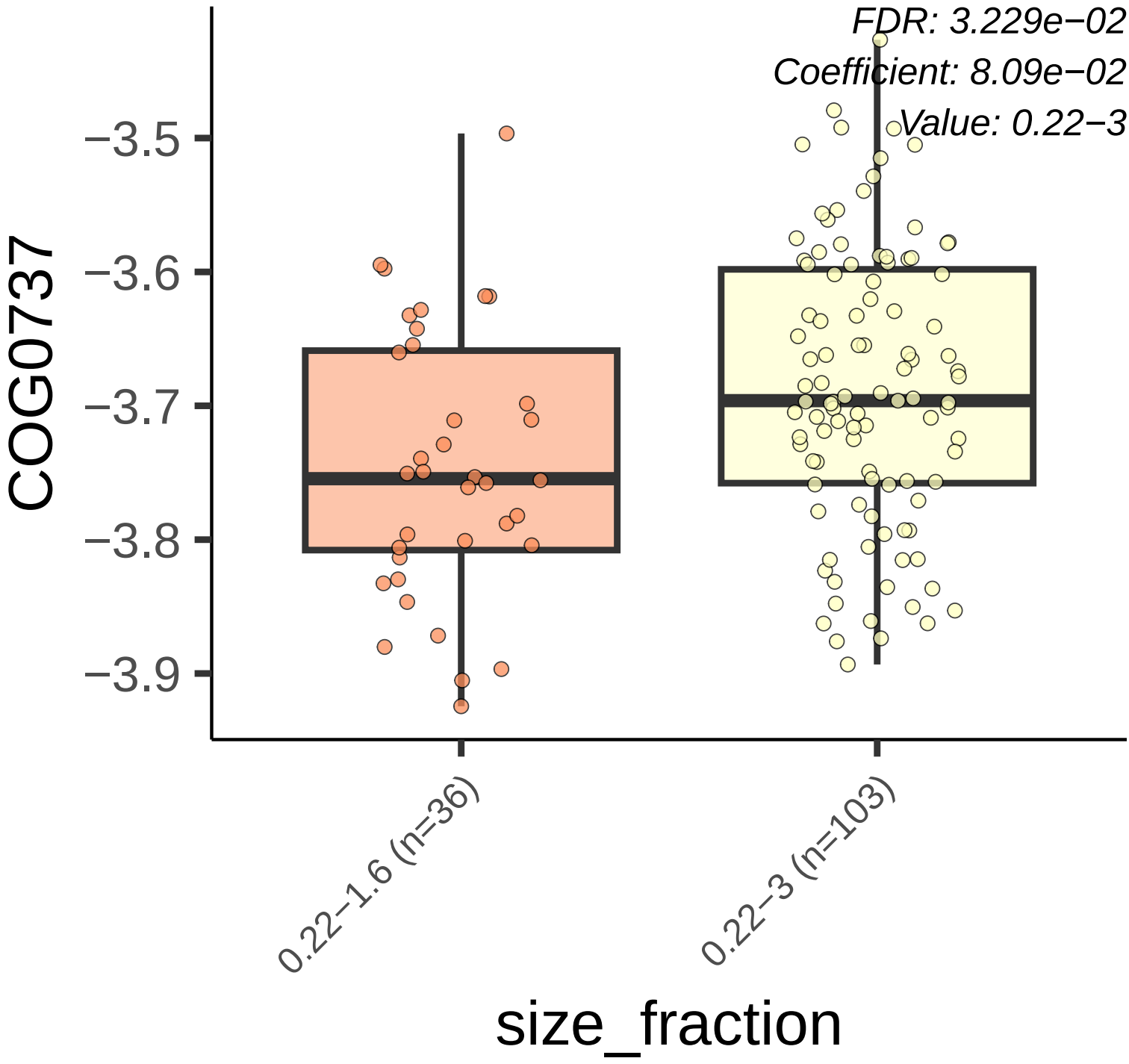

FDR: 3.194e−02
Coefficient: 2.26e−01
Value: 0.22−3
COG1649
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

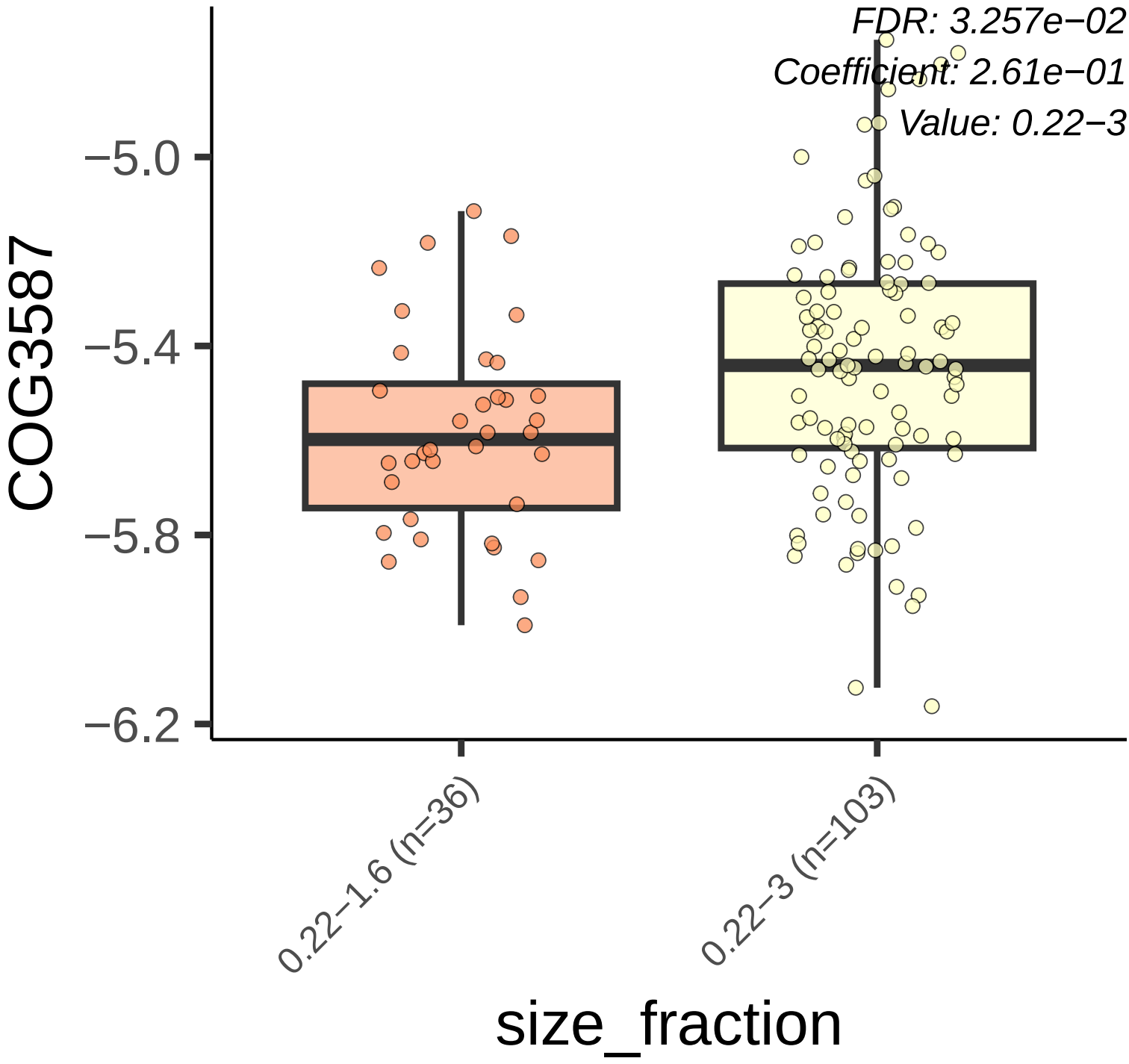

FDR: 3.194e−02
Coefficient: 3.93e−01
Value: 0.22−3
COG3168
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

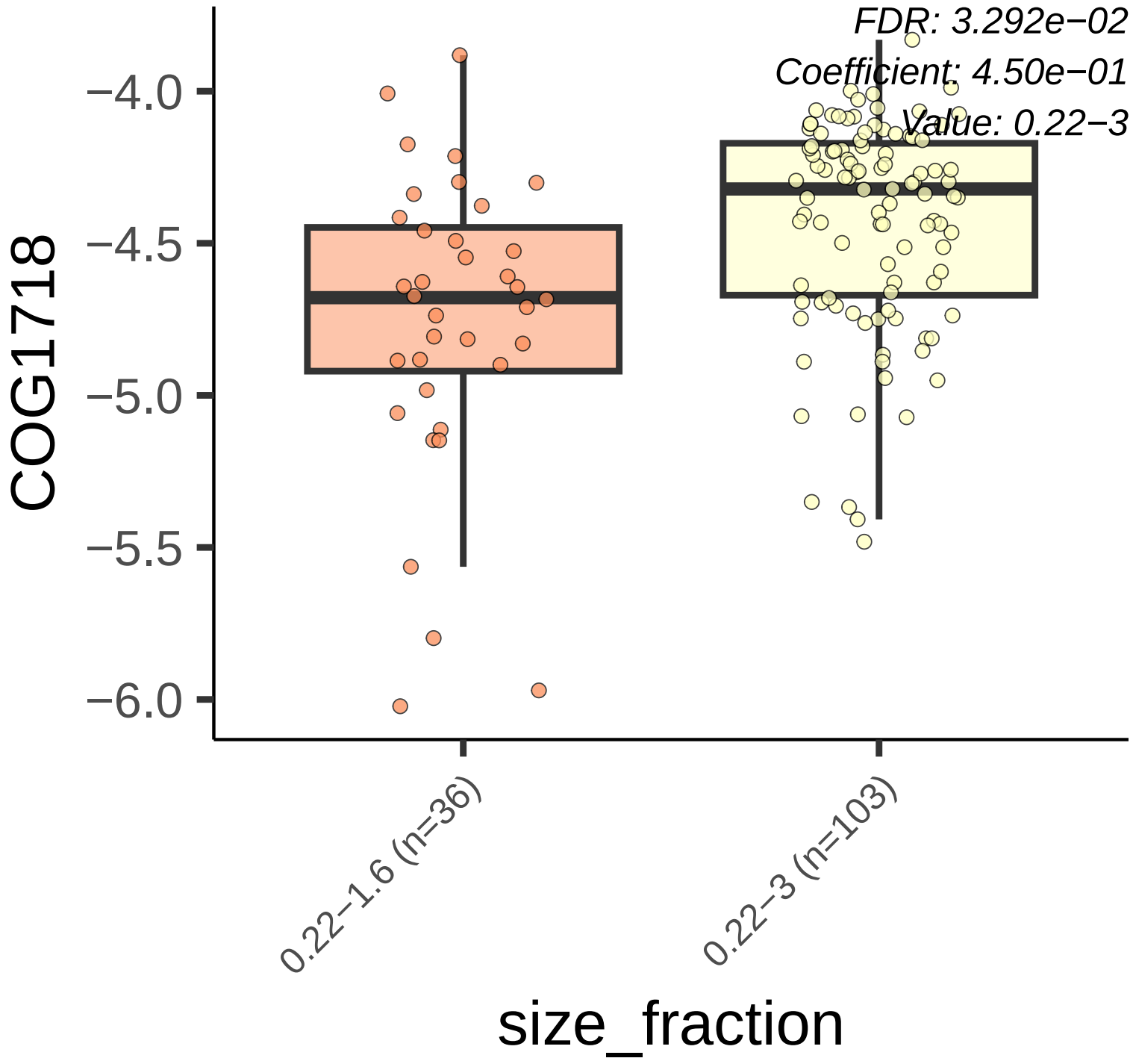

FDR: 3.195e−02
Coefficient: 1.12e+00
Value: 0.22−3
COG5497
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

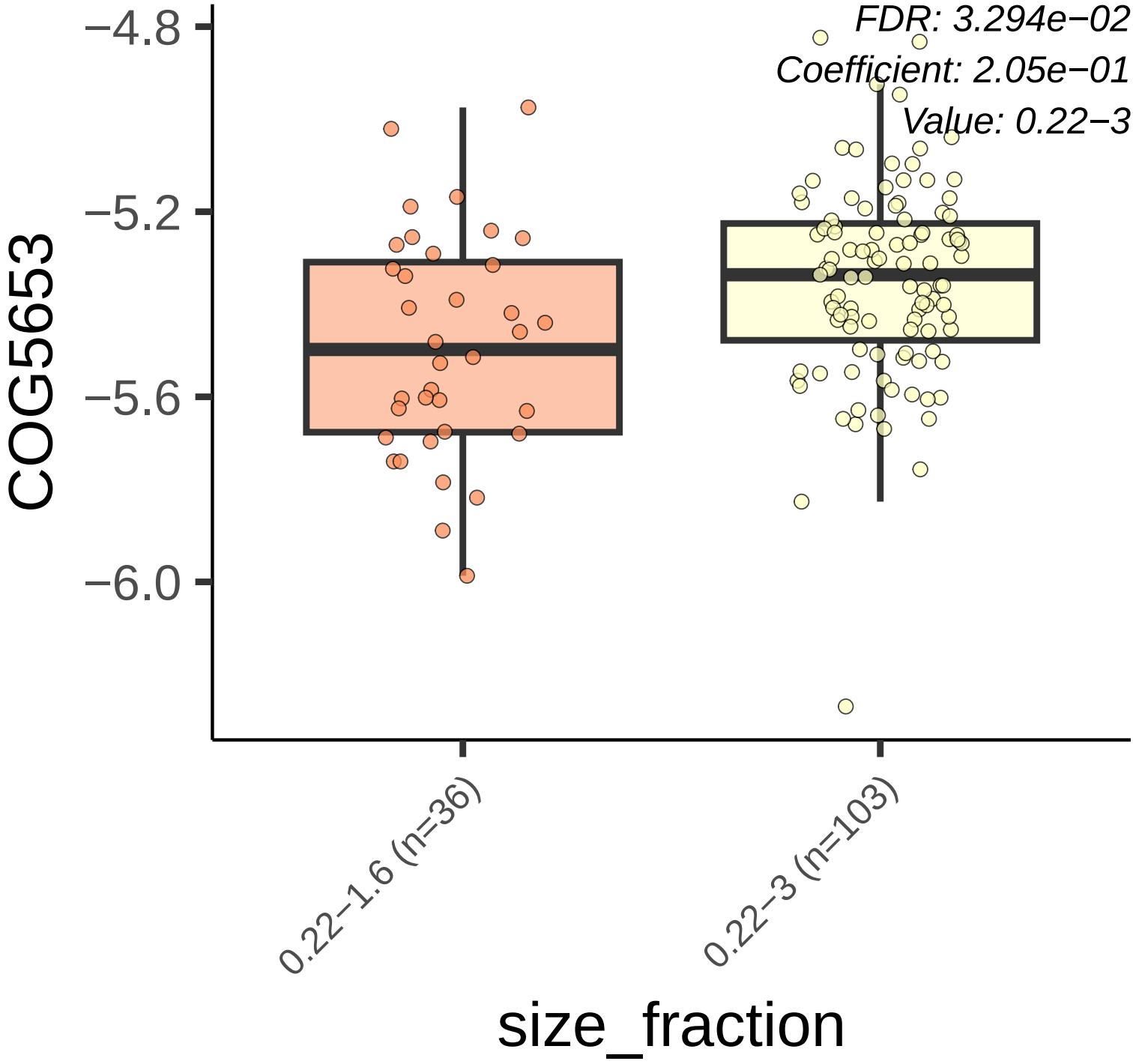

FDR: 3.196e−02
Coefficient: 1.06e+00
Value: 0.22−3
COG4981
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

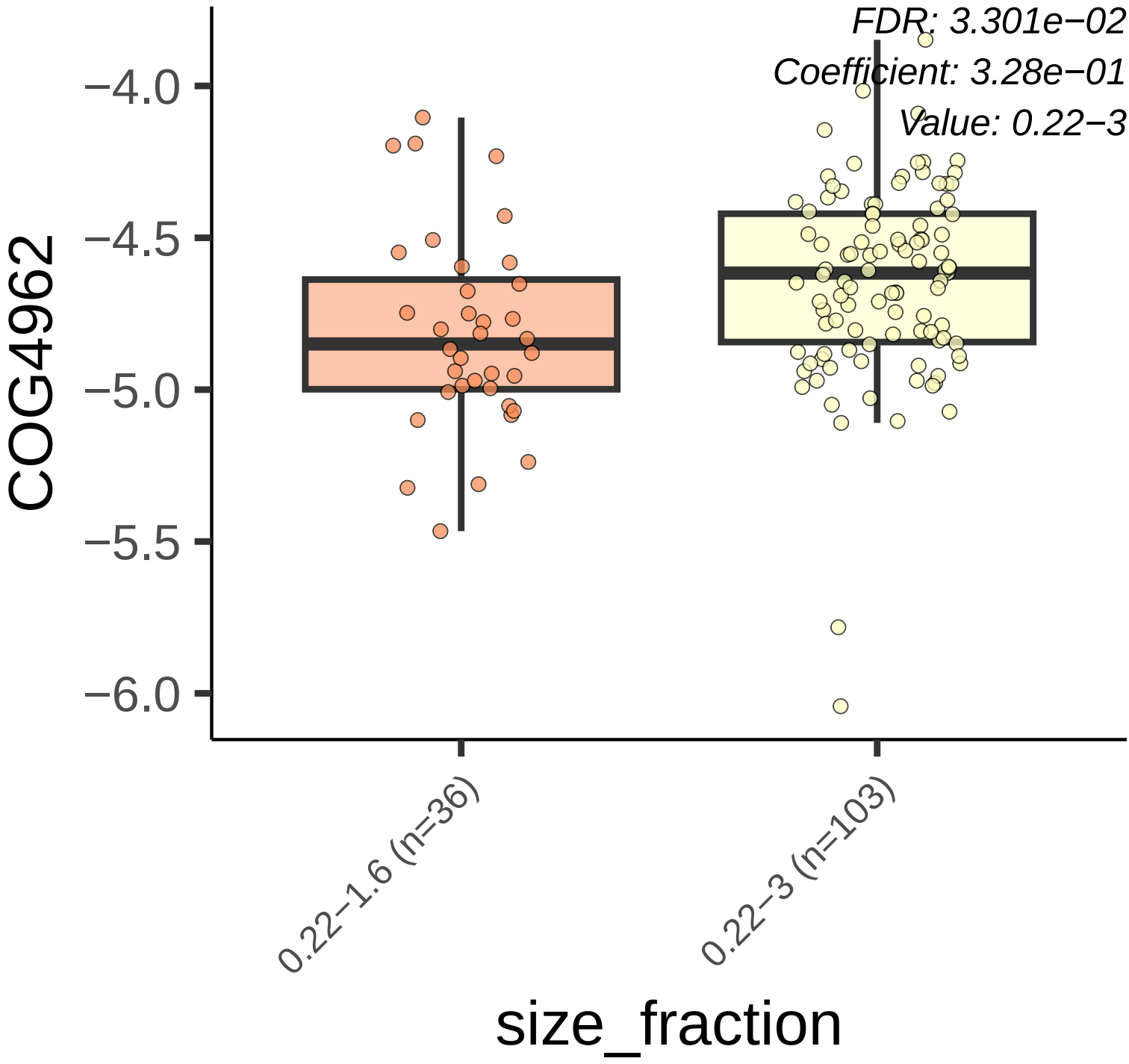

FDR: 3.201e−02
Coefficient: 2.47e−01
Value: 0.22−3
COG2207
−3.0
−3.5
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

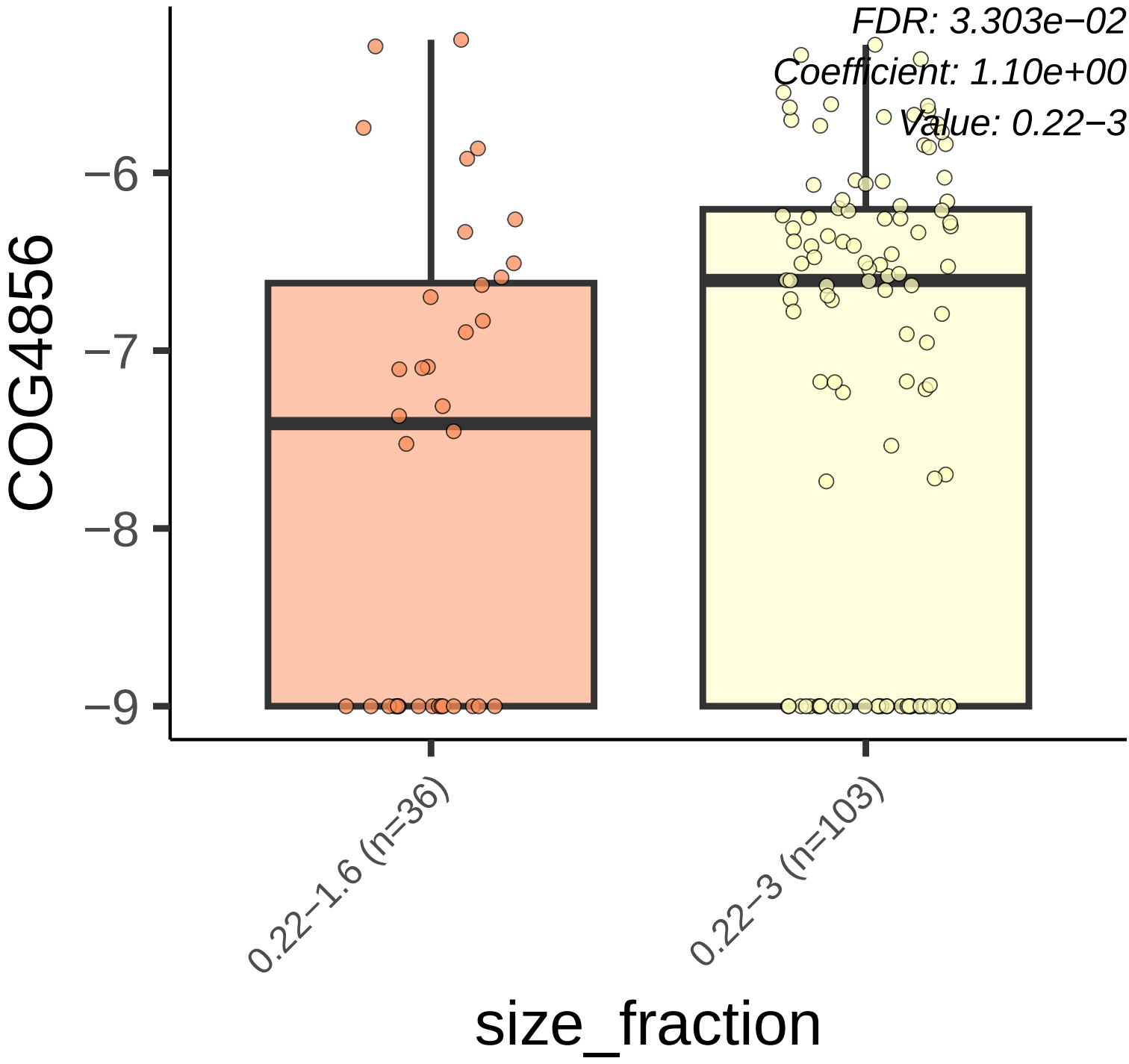

FDR: 3.229e−02
Coefficient: 8.09e−02
Value: 0.22−3
COG0737
−3.5
−3.6
−3.7
−3.8
−3.9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

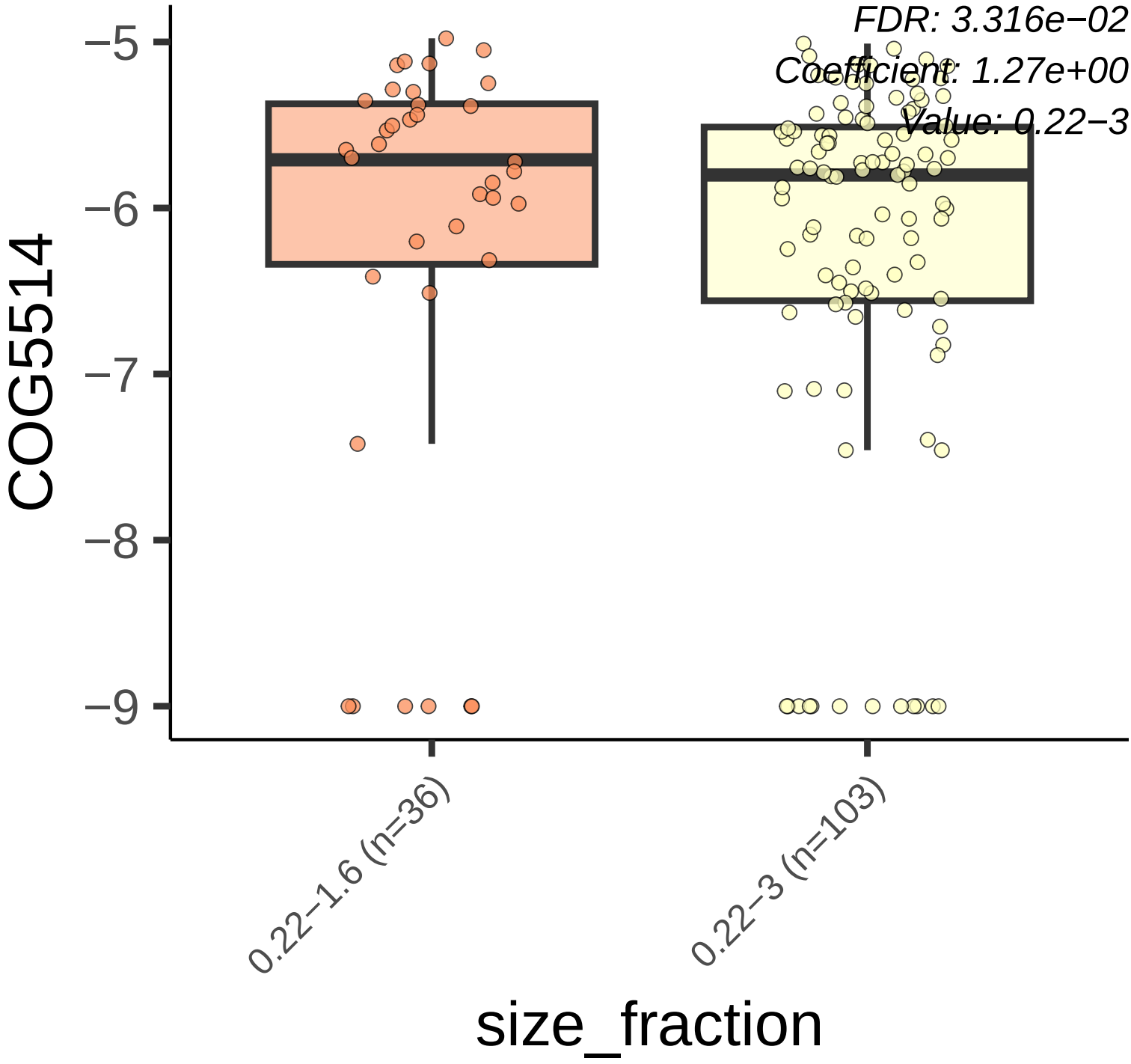

FDR: 3.257e−02
Coefficient: 2.61e−01
Value: 0.22−3
COG3587
−5.0
−5.4
−5.8
−6.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

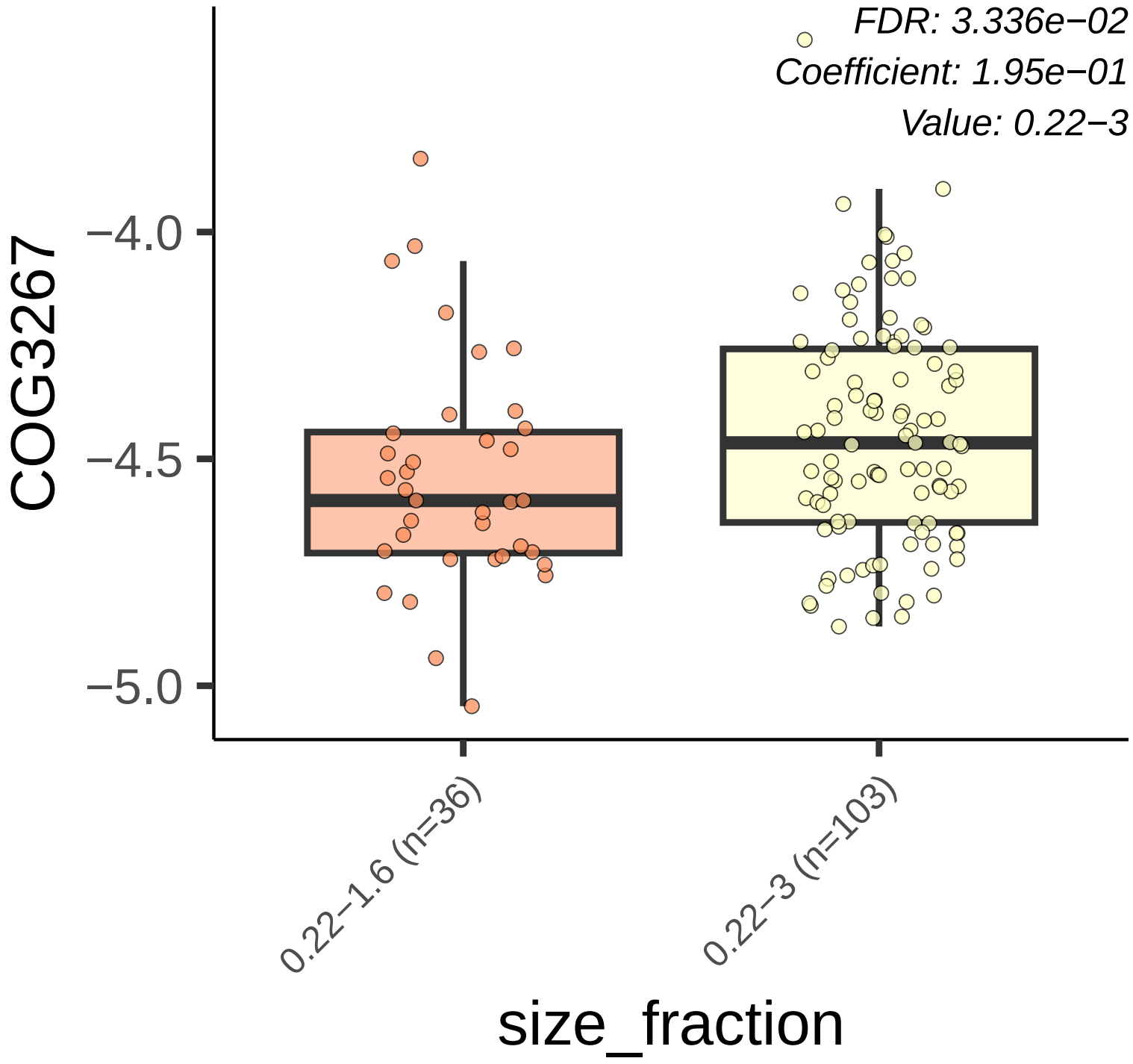

FDR: 3.292e−02
Coefficient: 4.50e−01
Value: 0.22−3
COG1718
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

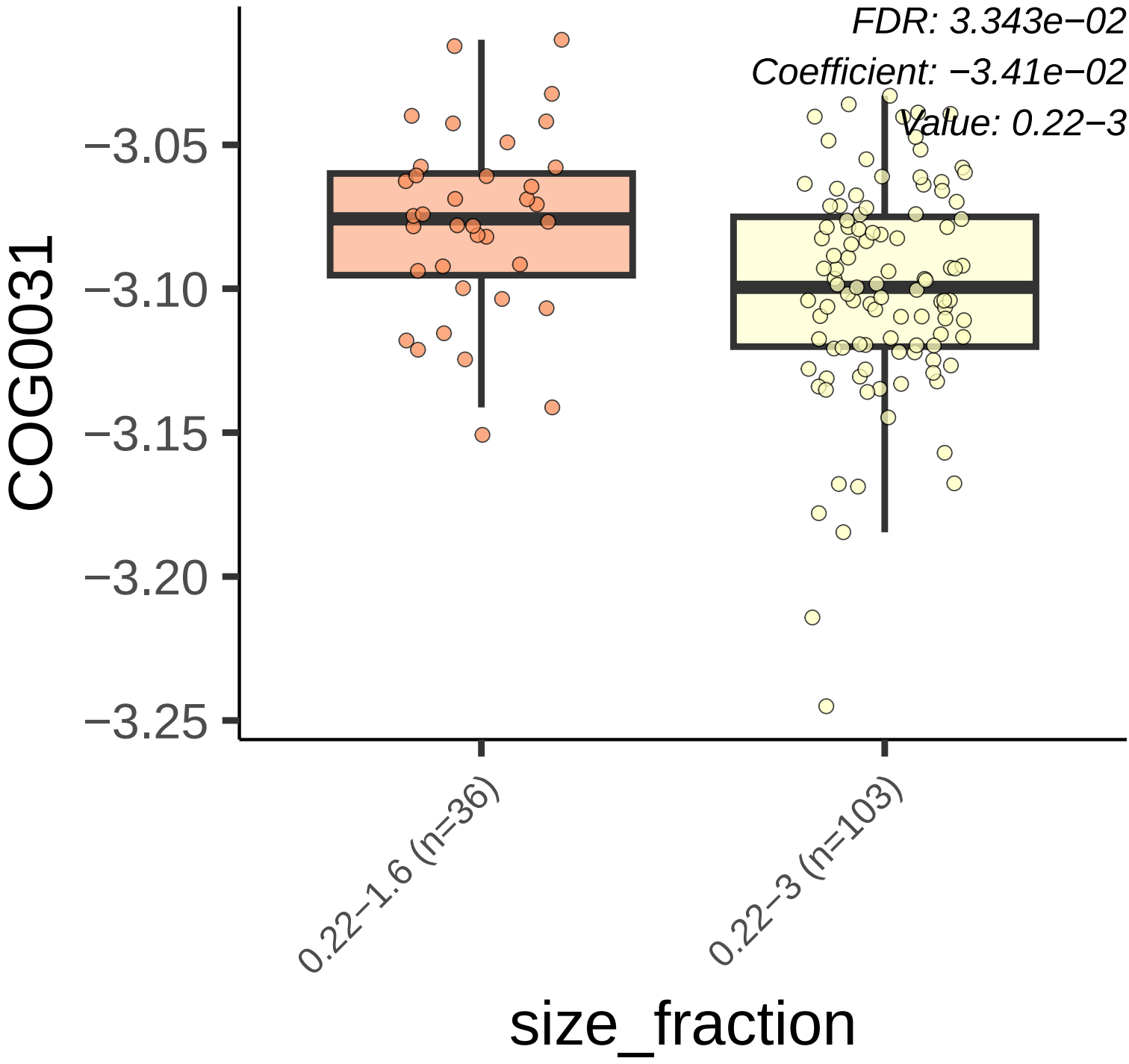

FDR: 3.294e−02
Coefficient: 2.05e−01
Value: 0.22−3
−4.8
−5.2
−5.6
−6.0
COG5653
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

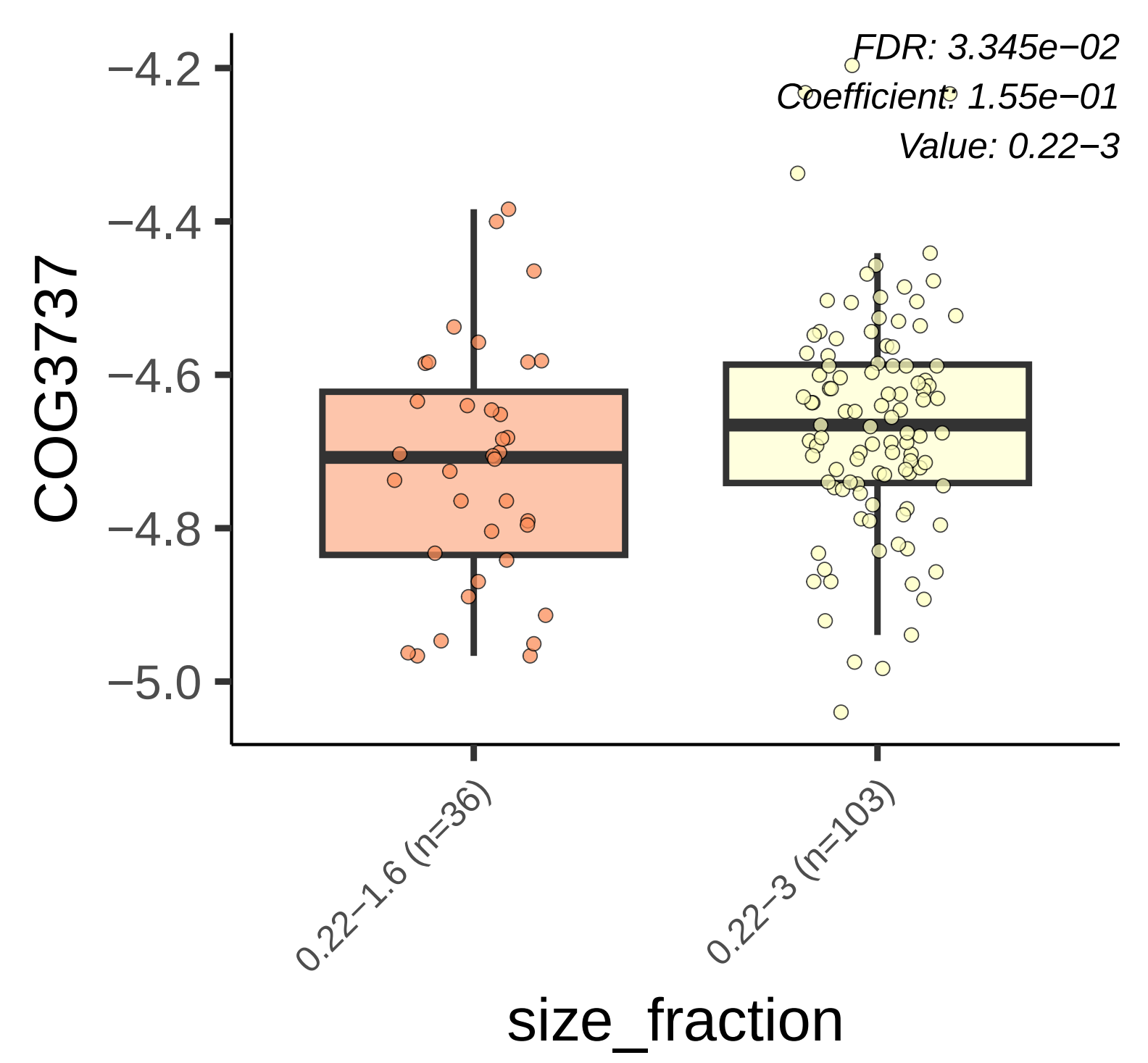

FDR: 3.301e−02
Coefficient: 3.28e−01
Value: 0.22−3
COG4962
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

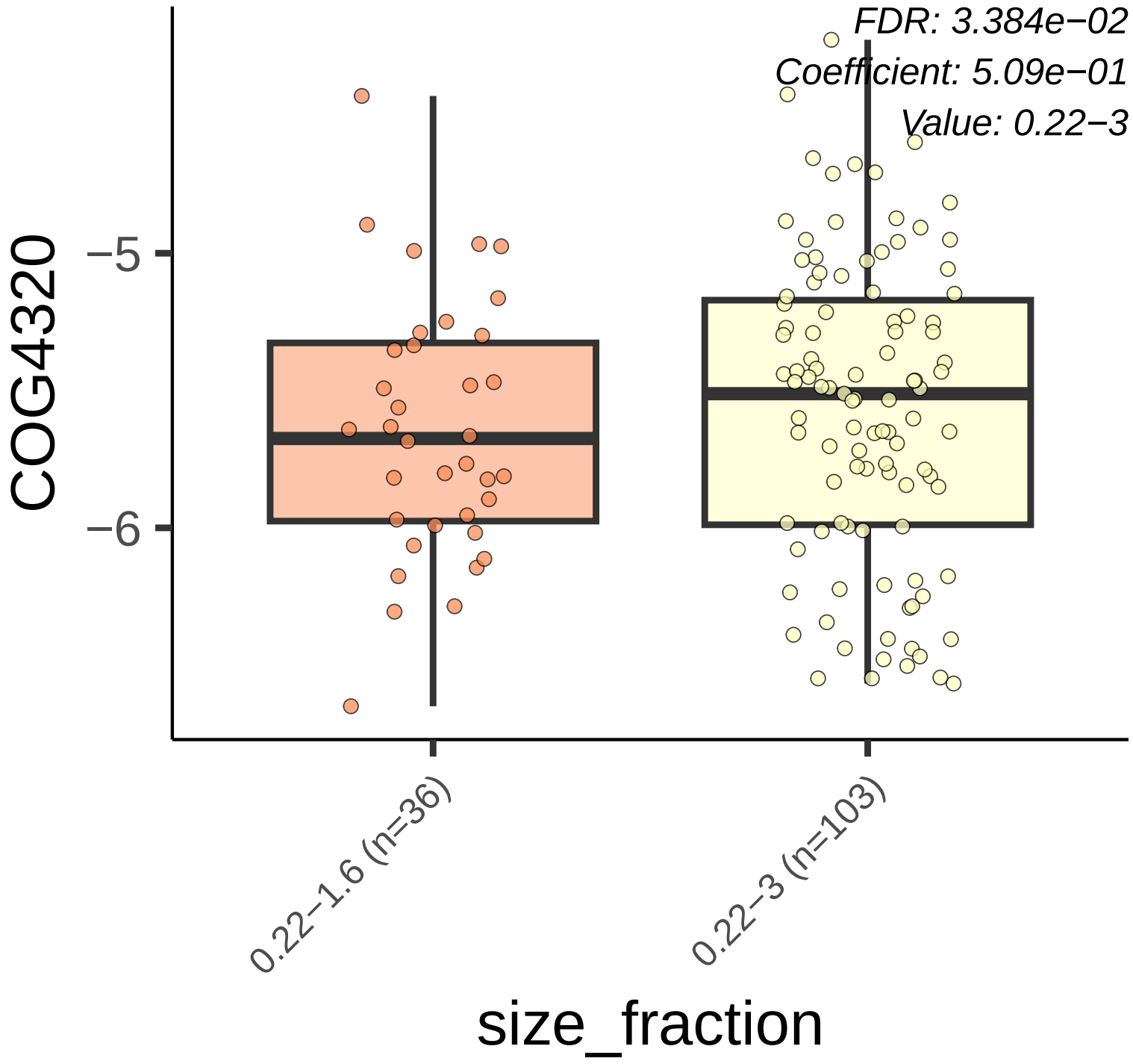

FDR: 3.303e−02
Coefficient: 1.10e+00
Value: 0.22−3
COG4856
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

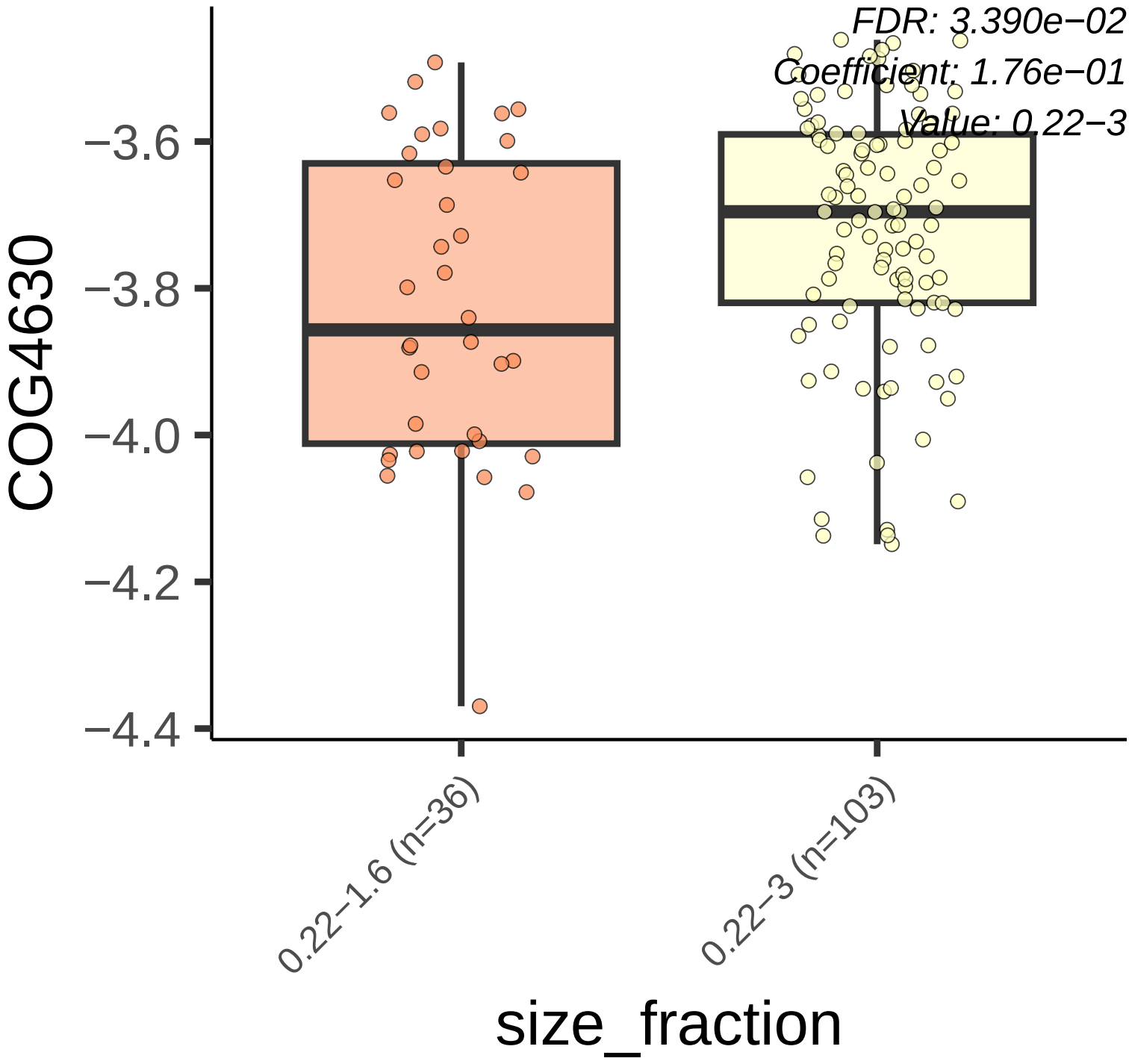

FDR: 3.316e−02
Coefficient: 1.27e+00
Value: 0.22−3
COG5514
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.336e−02
Coefficient: 1.95e−01
Value: 0.22−3
COG3267
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.343e−02
Coefficient: −3.41e−02
Value: 0.22−3
COG0031
−3.05
−3.10
−3.15
−3.20
−3.25
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.345e−02
Coefficient: 1.55e−01
Value: 0.22−3
COG3737
−4.2
−4.4
−4.6
−4.8
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.384e−02
Coefficient: 5.09e−01
Value: 0.22−3
COG4320
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.390e−02
Coefficient: 1.76e−01
Value: 0.22−3
COG4630
−3.6
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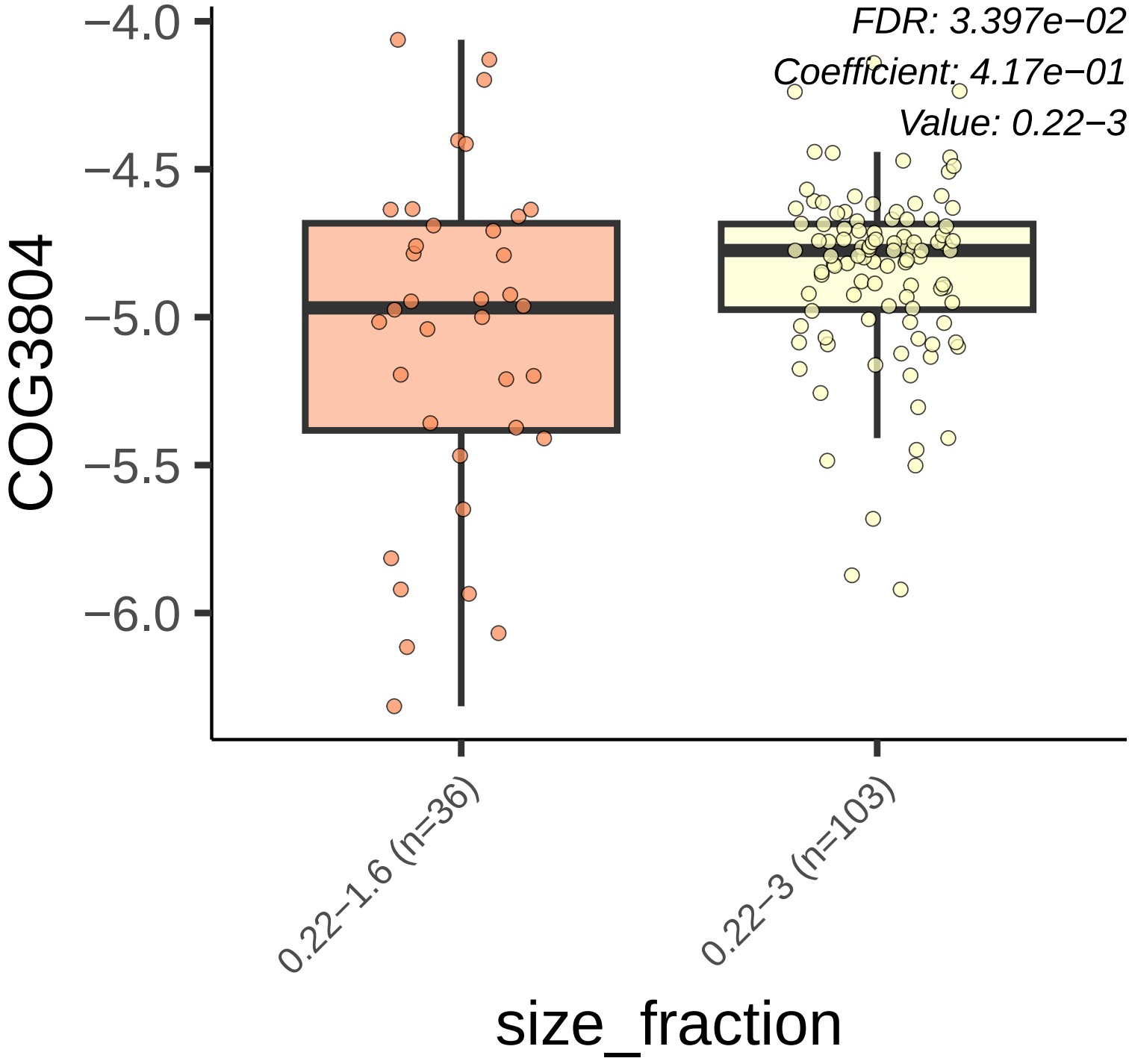
−4.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.397e−02
Coefficient: 4.17e−01
Value: 0.22−3
COG3804
−4.0
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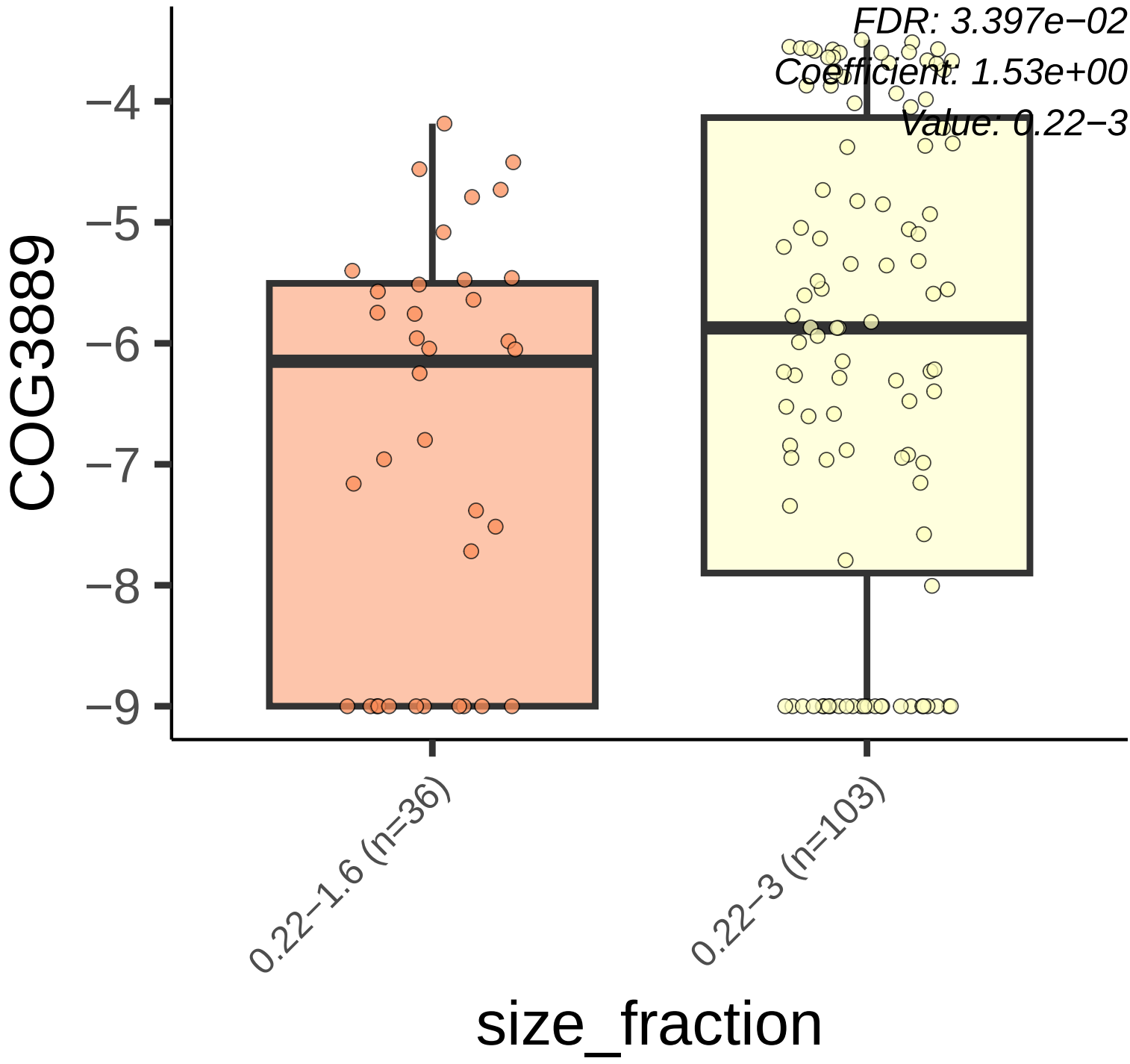
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.397e−02
Coefficient: 1.53e+00
Value: 0.22−3
COG3889
−4
−5
−6
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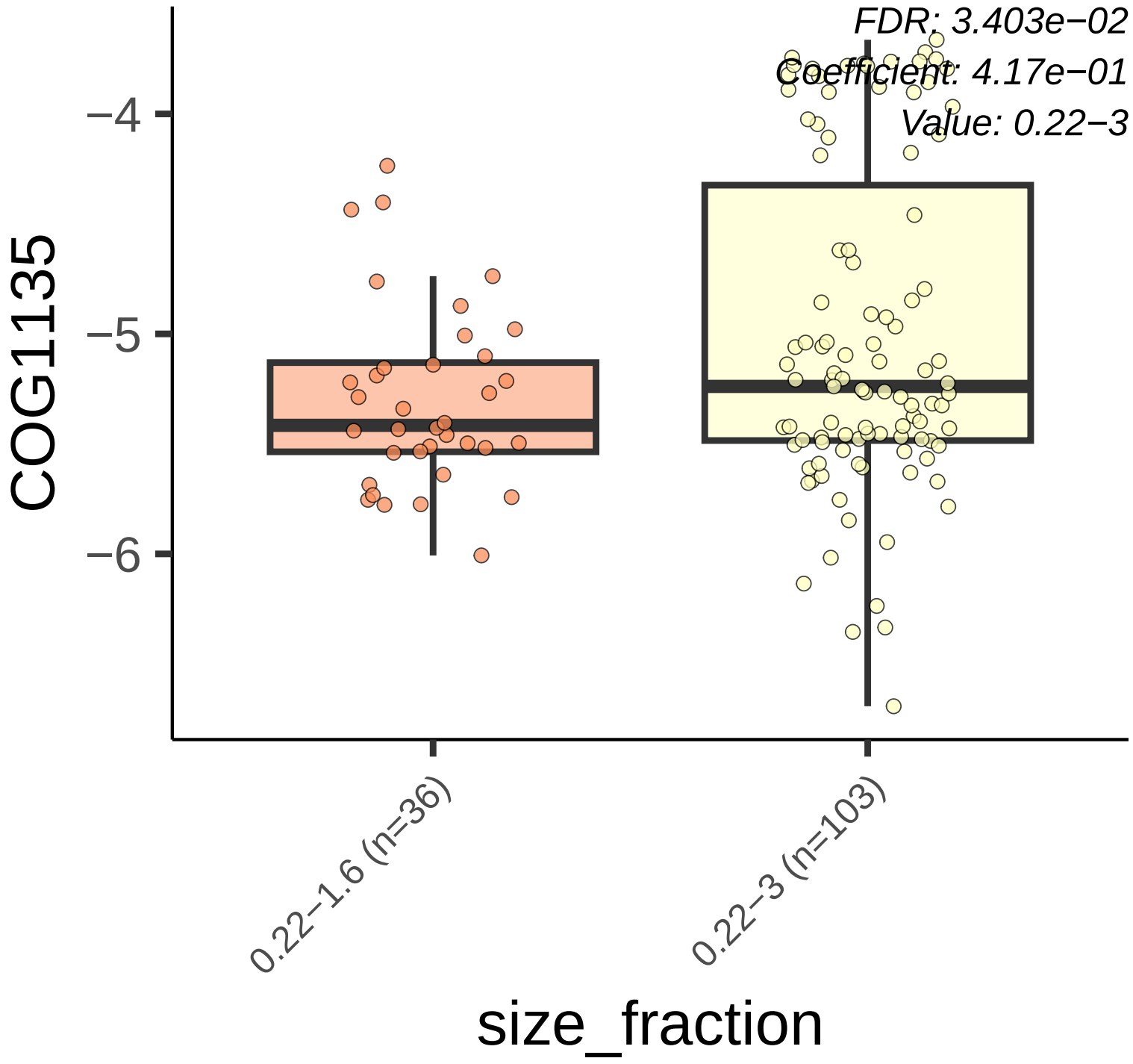
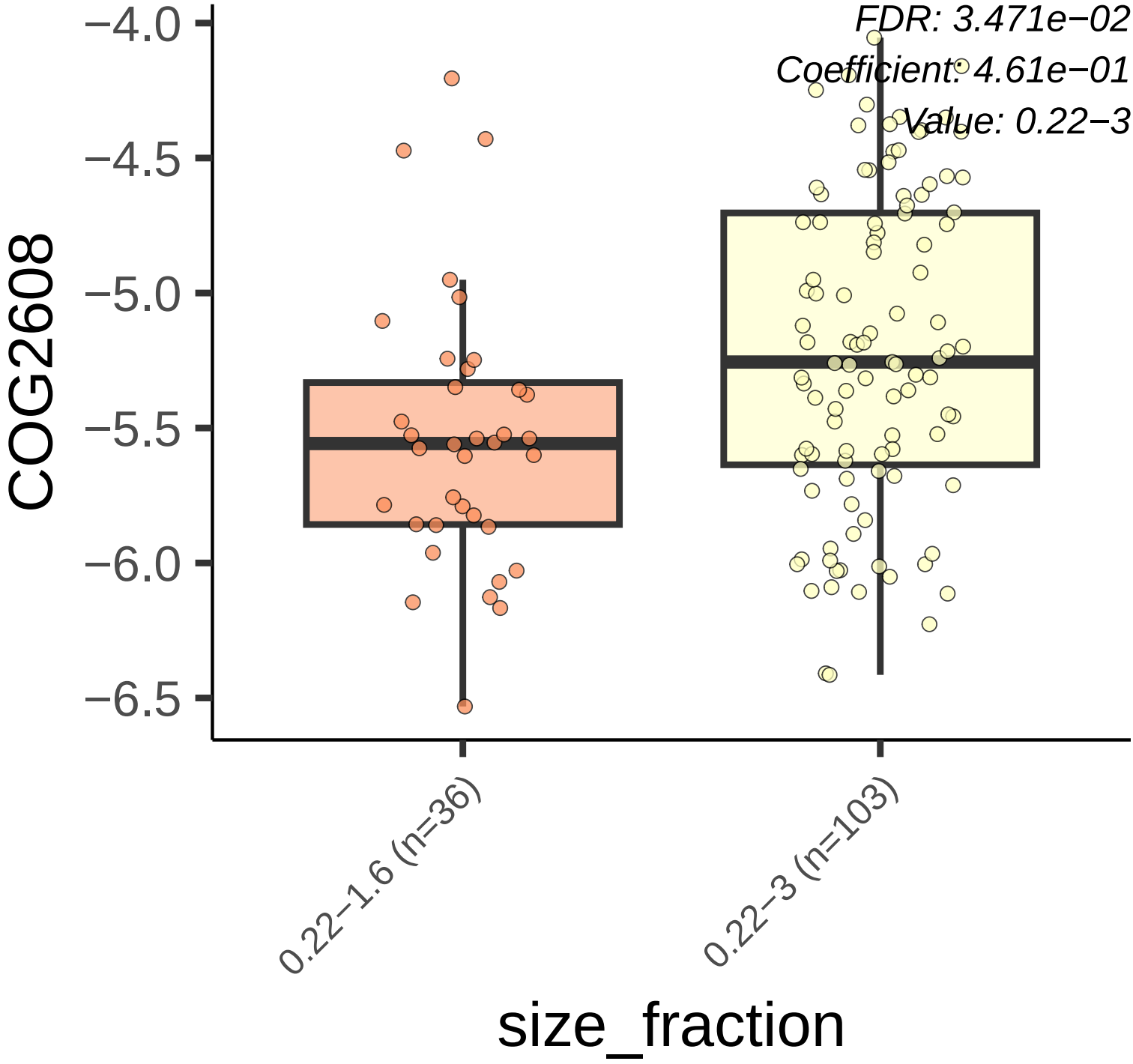
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.403e−02
Coefficient: 4.17e−01
Value: 0.22−3
COG1135
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.471e−02
Coefficient: 4.61e−01
Value: 0.22−3
COG2608
−4.0
−4.5
−5.0
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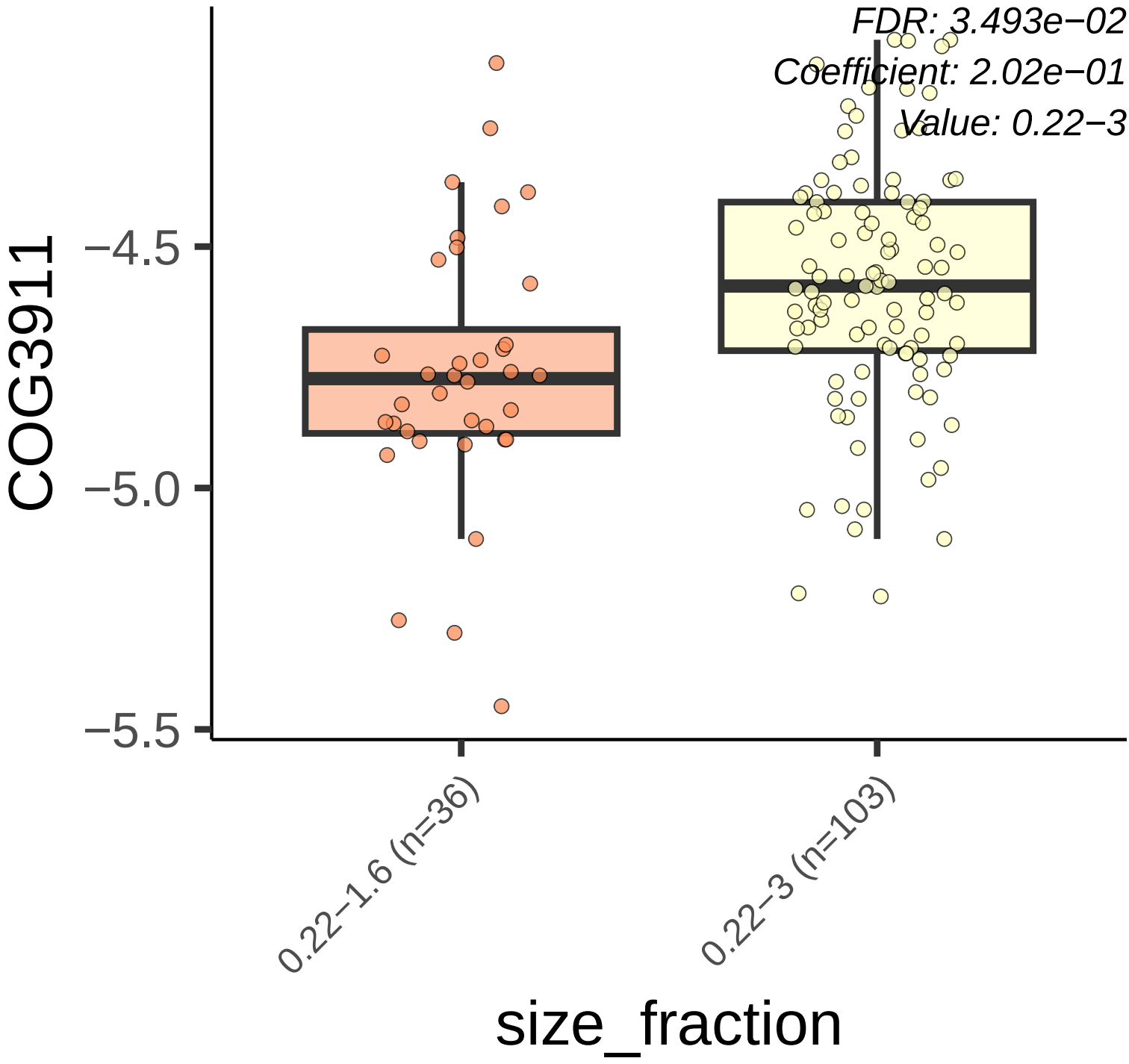
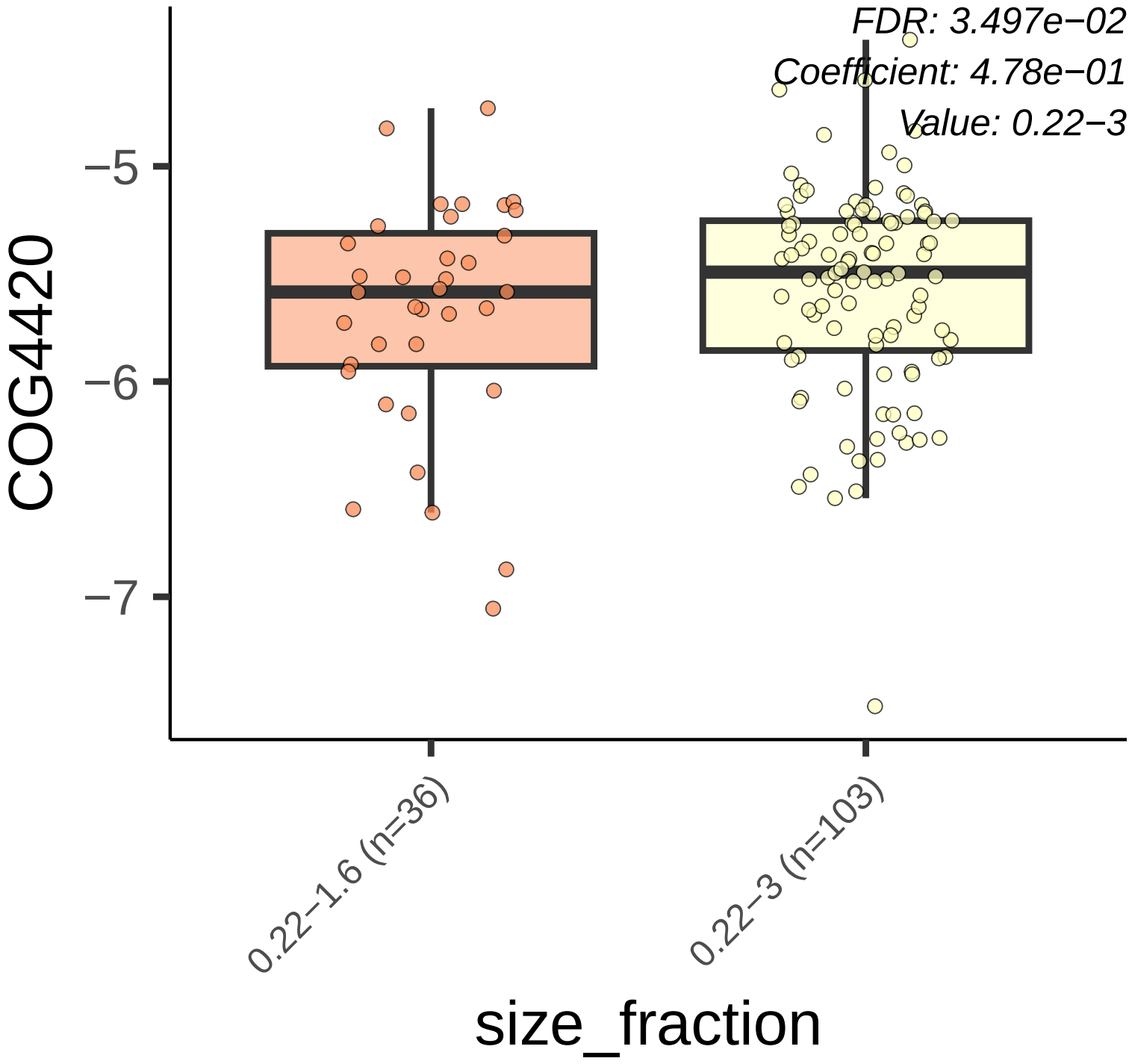
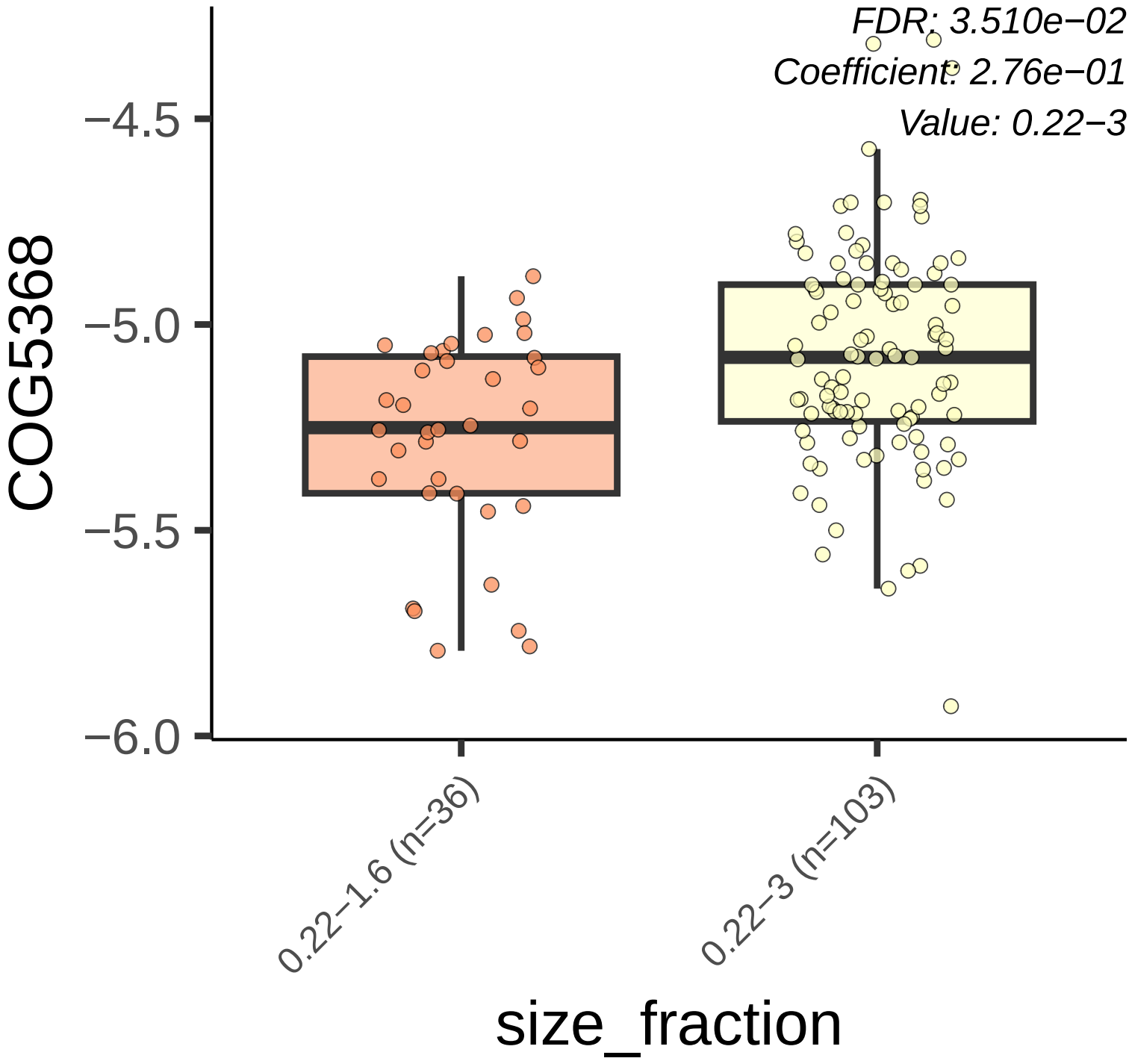
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.493e−02
Coefficient: 2.02e−01
Value: 0.22−3
COG3911
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.497e−02
Coefficient: 4.78e−01
Value: 0.22−3
COG4420
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.510e−02
Coefficient: 2.76e−01
Value: 0.22−3
COG5368
−4.5
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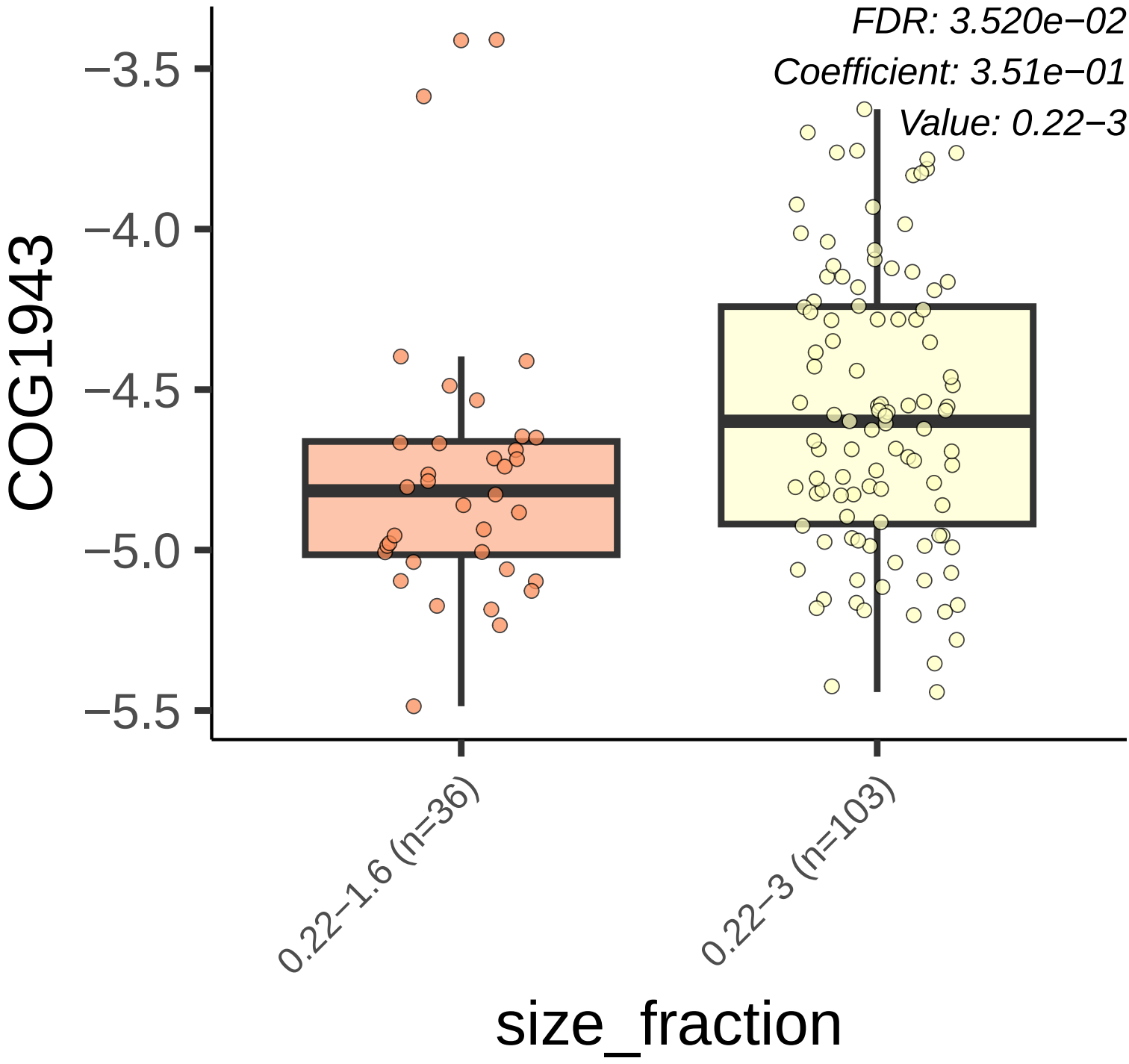
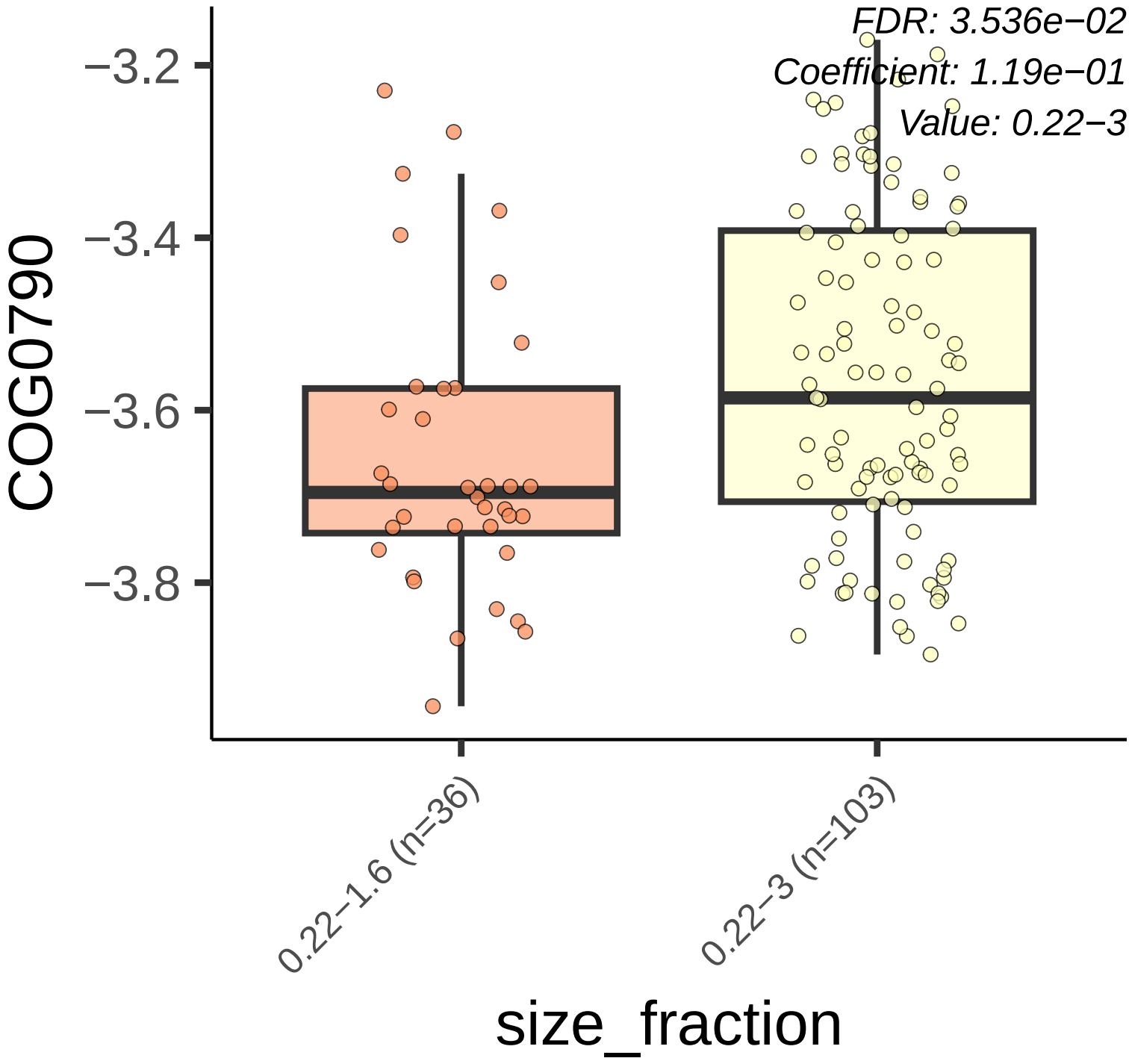
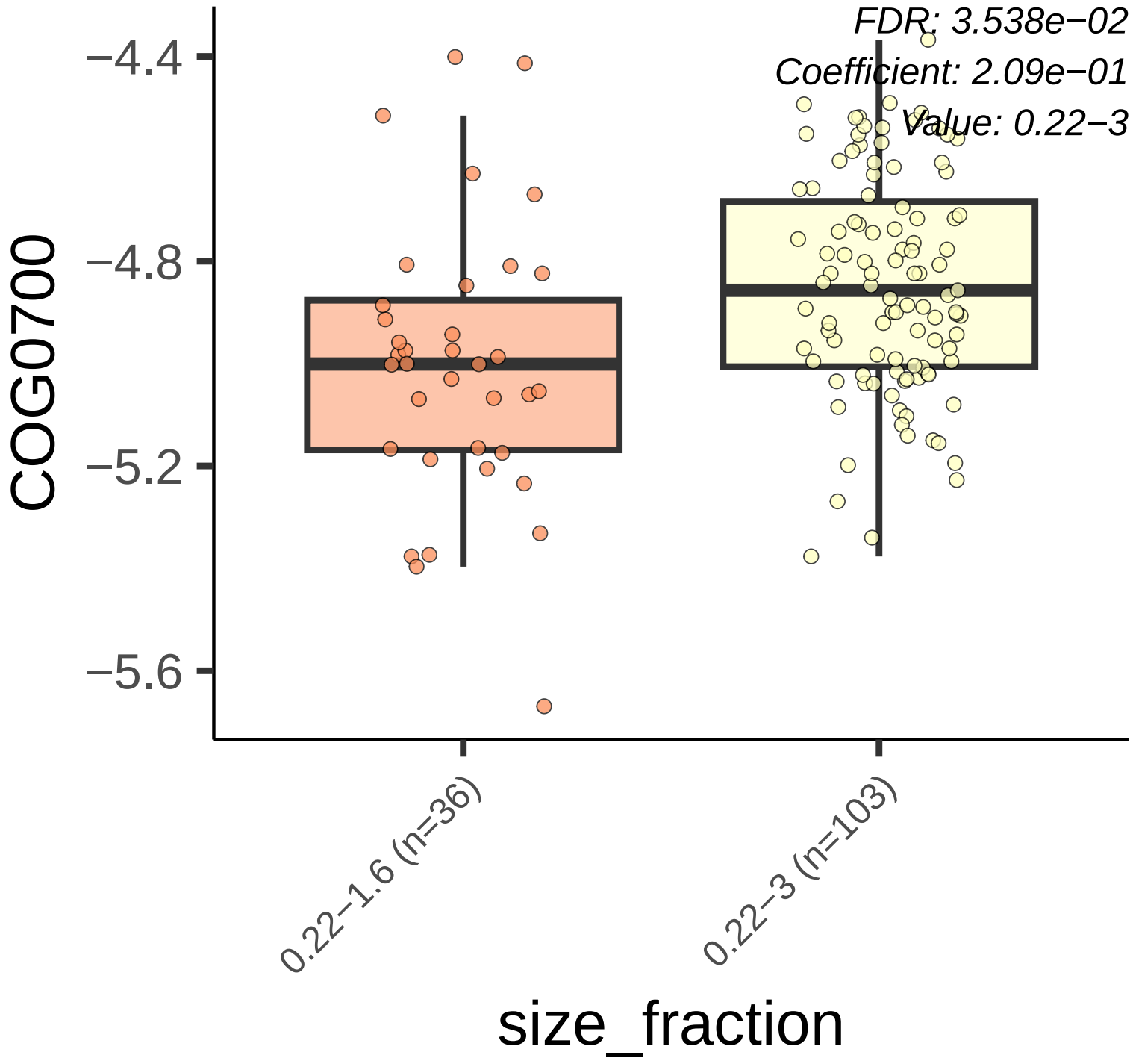
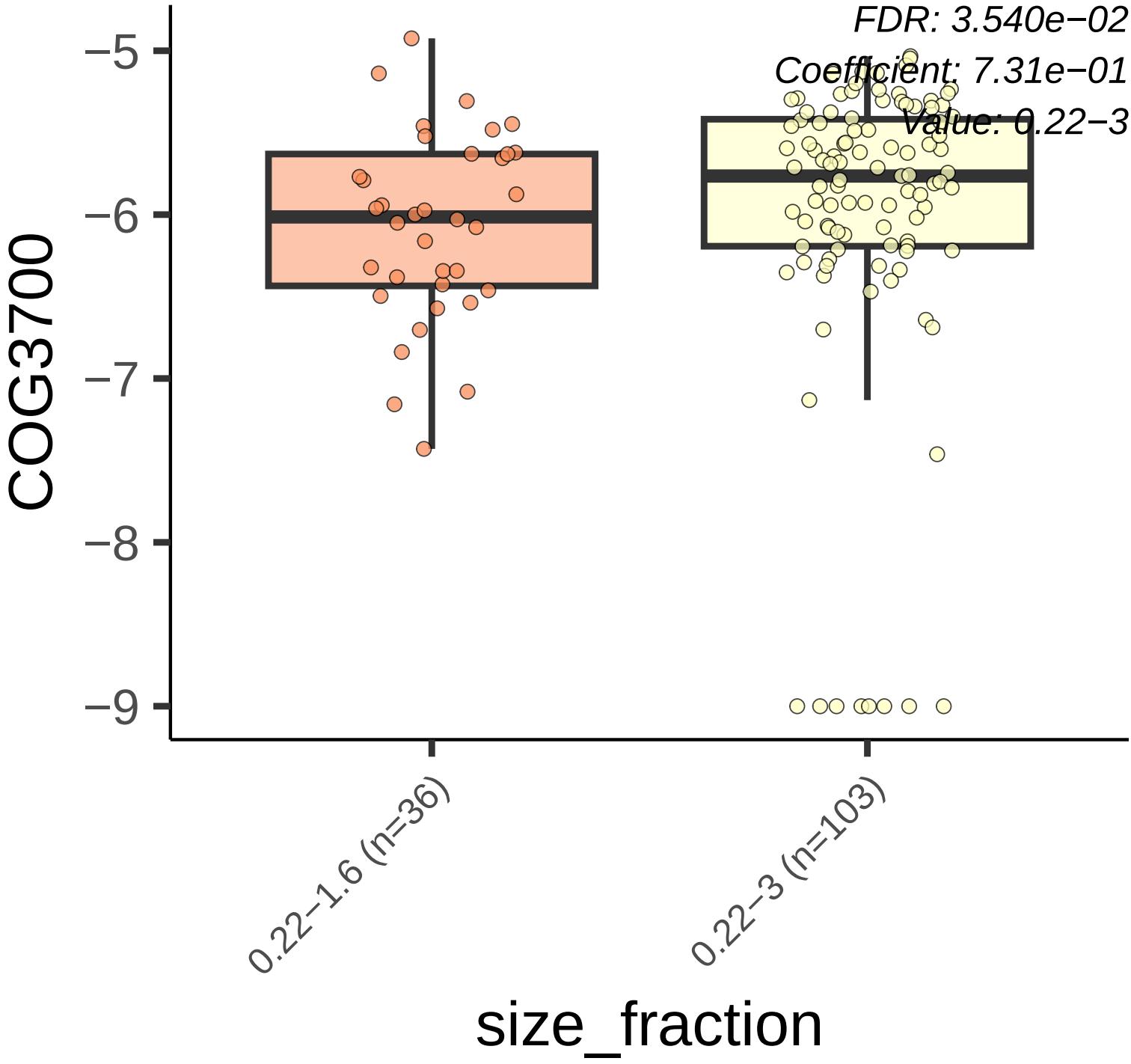
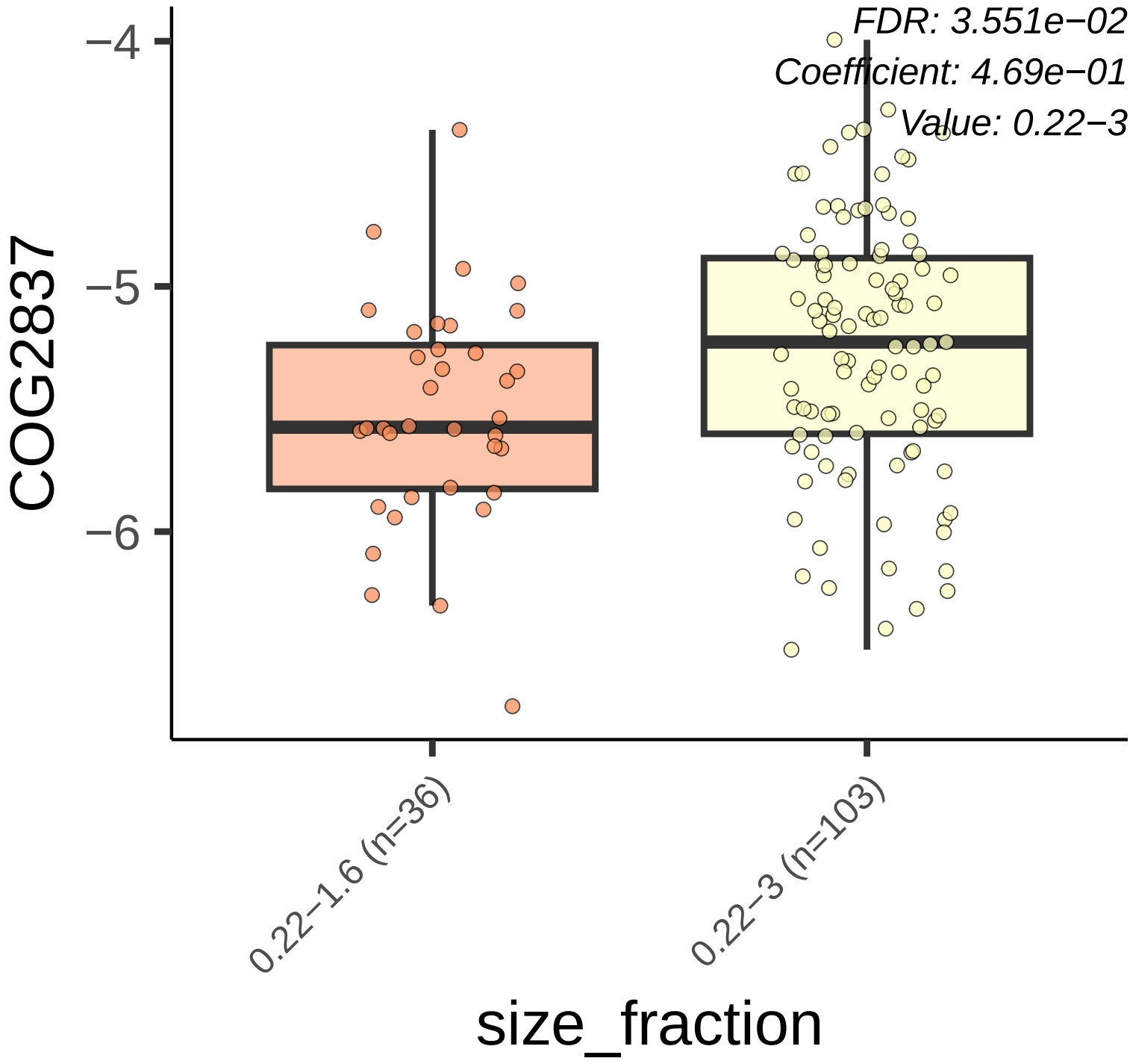
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

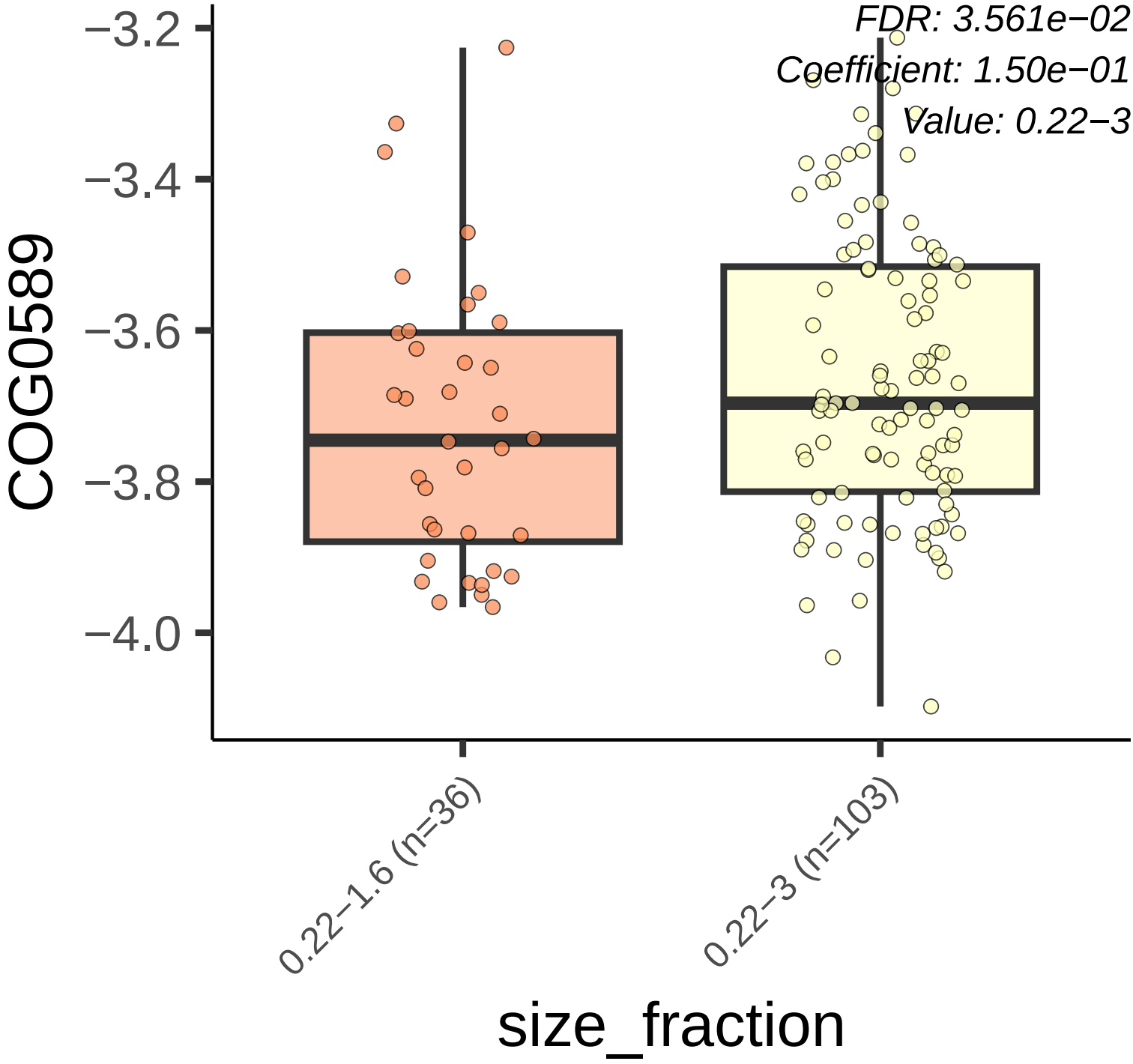

FDR: 3.520e−02
Coefficient: 3.51e−01
Value: 0.22−3
COG1943
−3.5
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

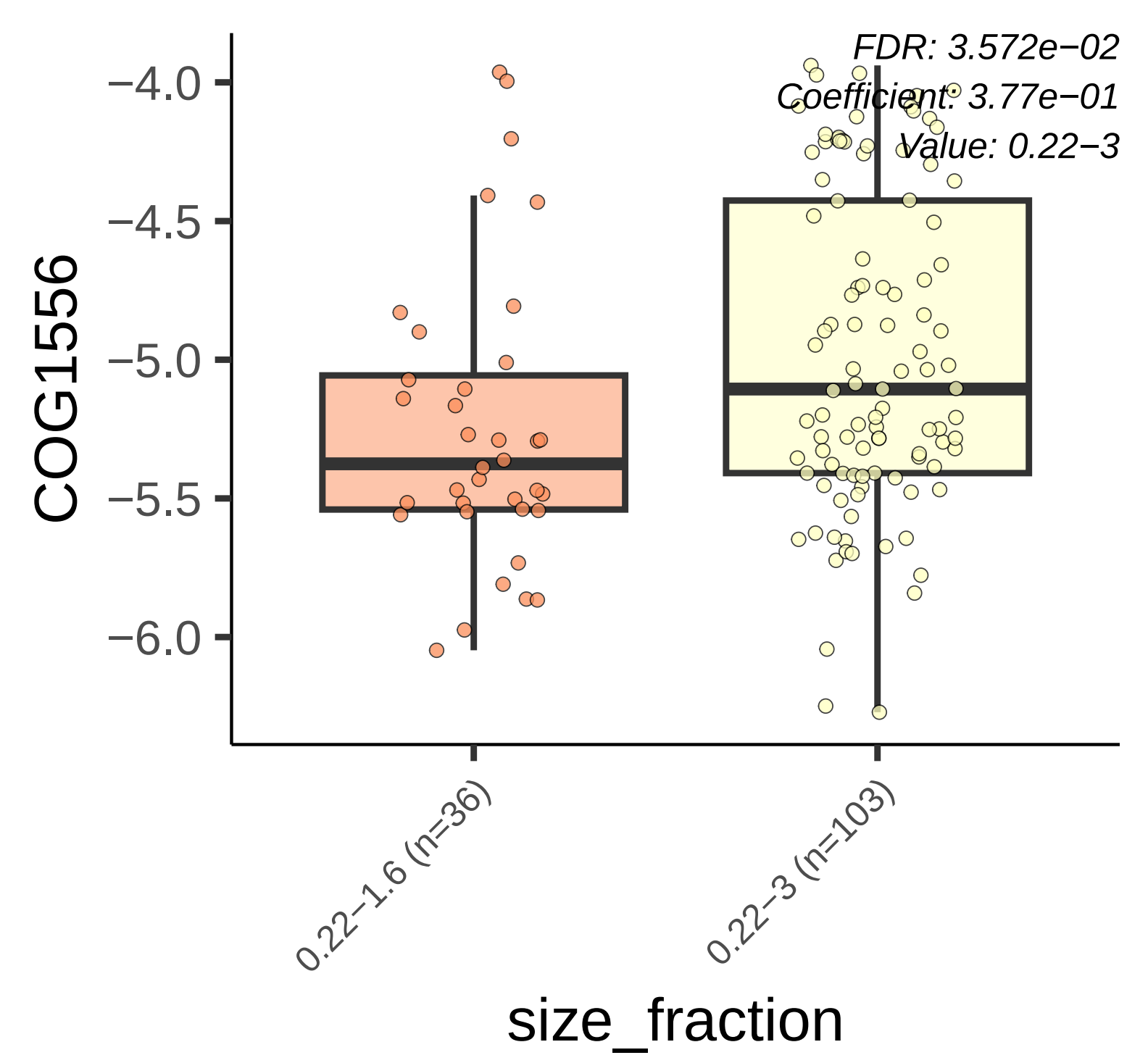

FDR: 3.536e−02
Coefficient: 1.19e−01
Value: 0.22−3
COG0790
−3.2
−3.4
−3.6
−3.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

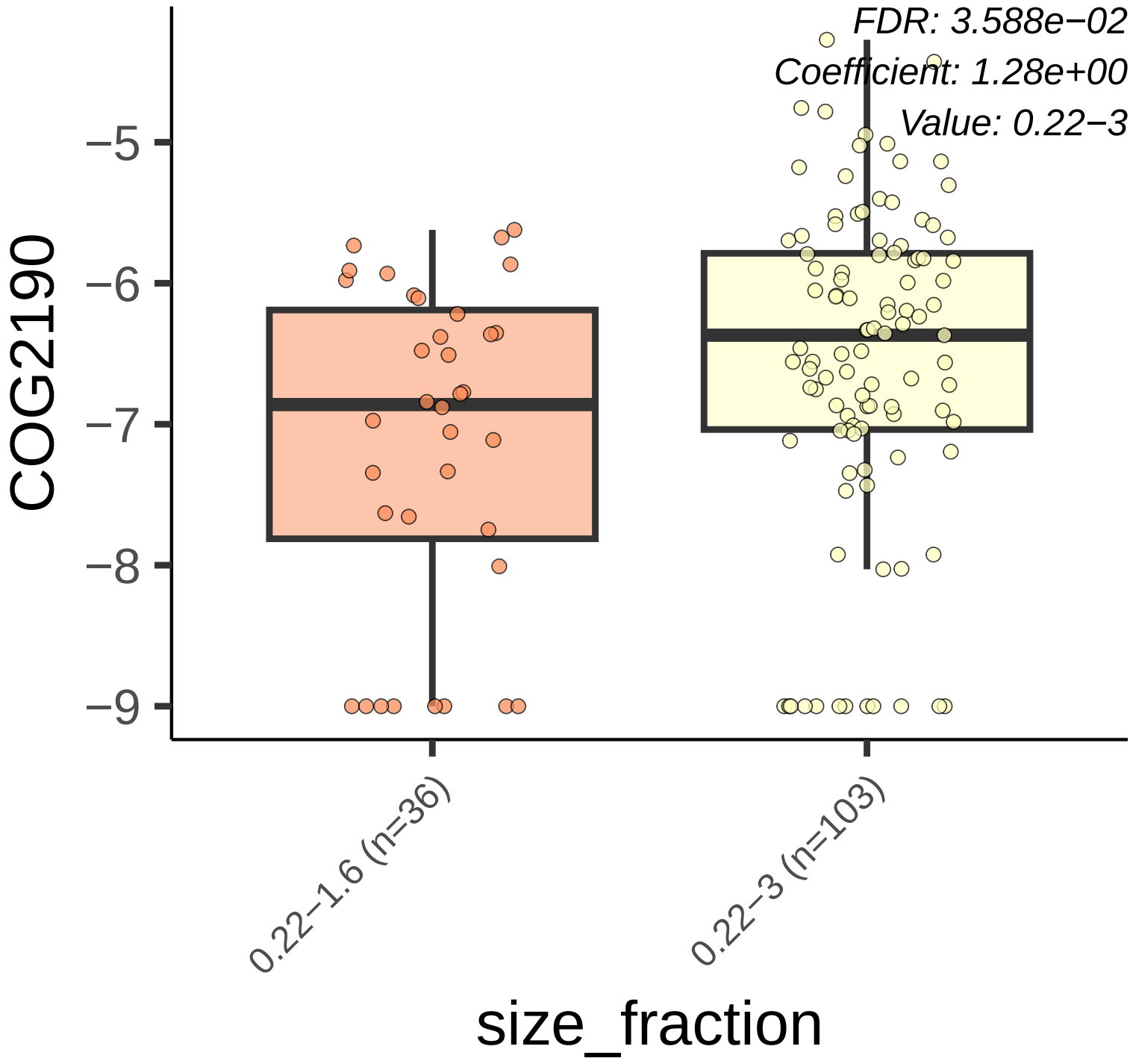

FDR: 3.538e−02
Coefficient: 2.09e−01
Value: 0.22−3
COG0700
−4.4
−4.8
−5.2
−5.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

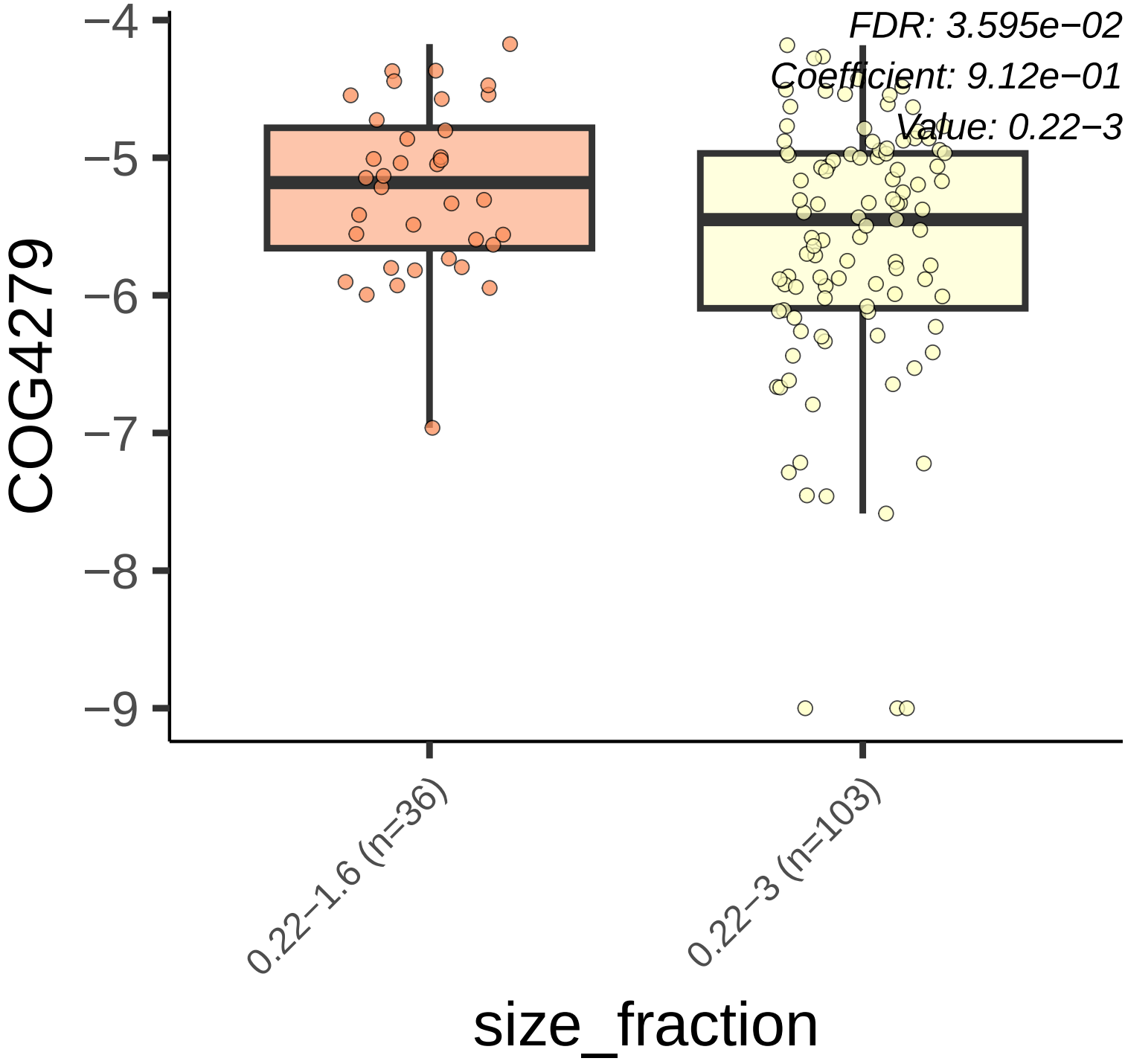

FDR: 3.540e−02
Coefficient: 7.31e−01
Value: 0.22−3
COG3700
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

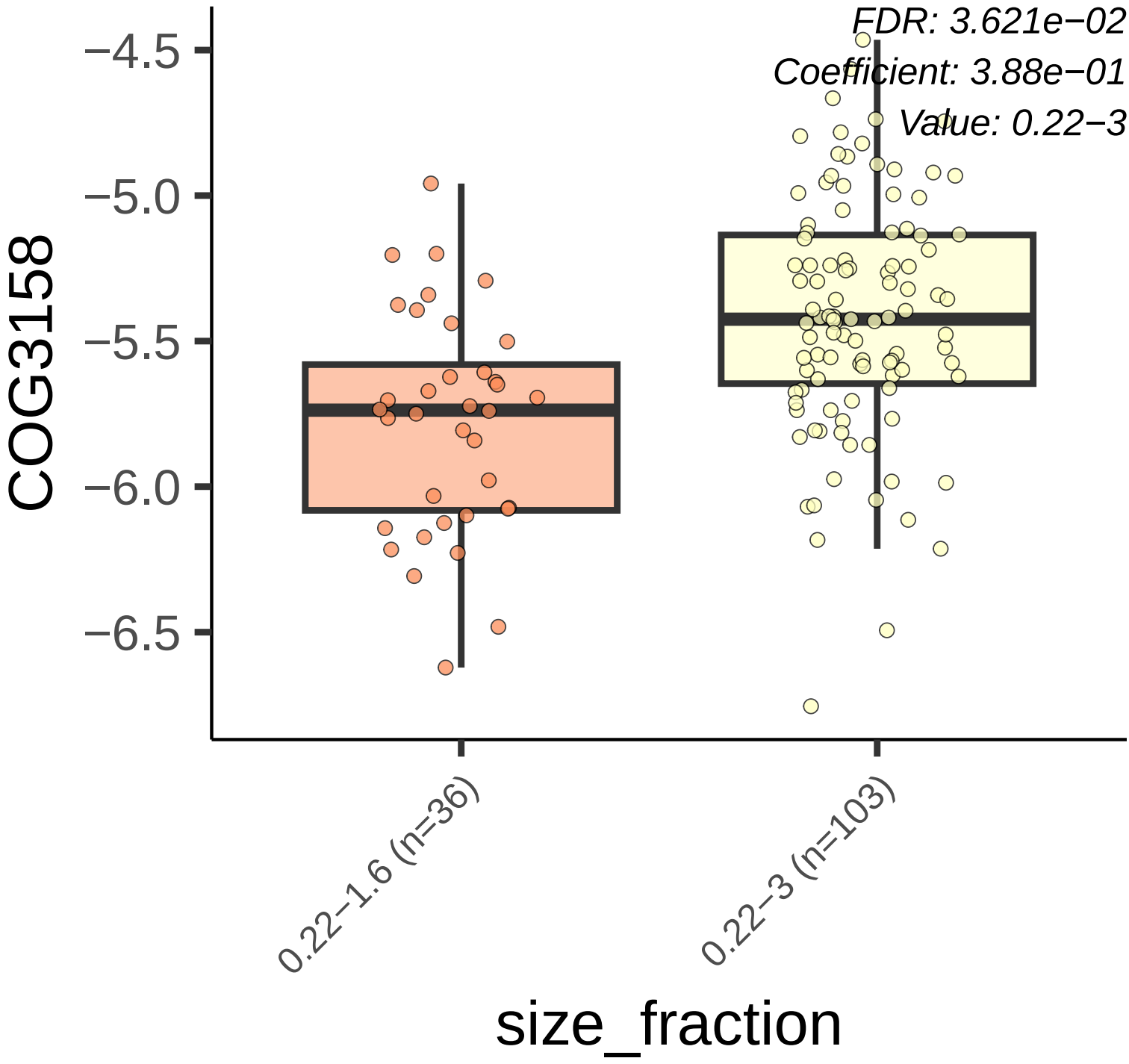

FDR: 3.551e−02
Coefficient: 4.69e−01
Value: 0.22−3
COG2837
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

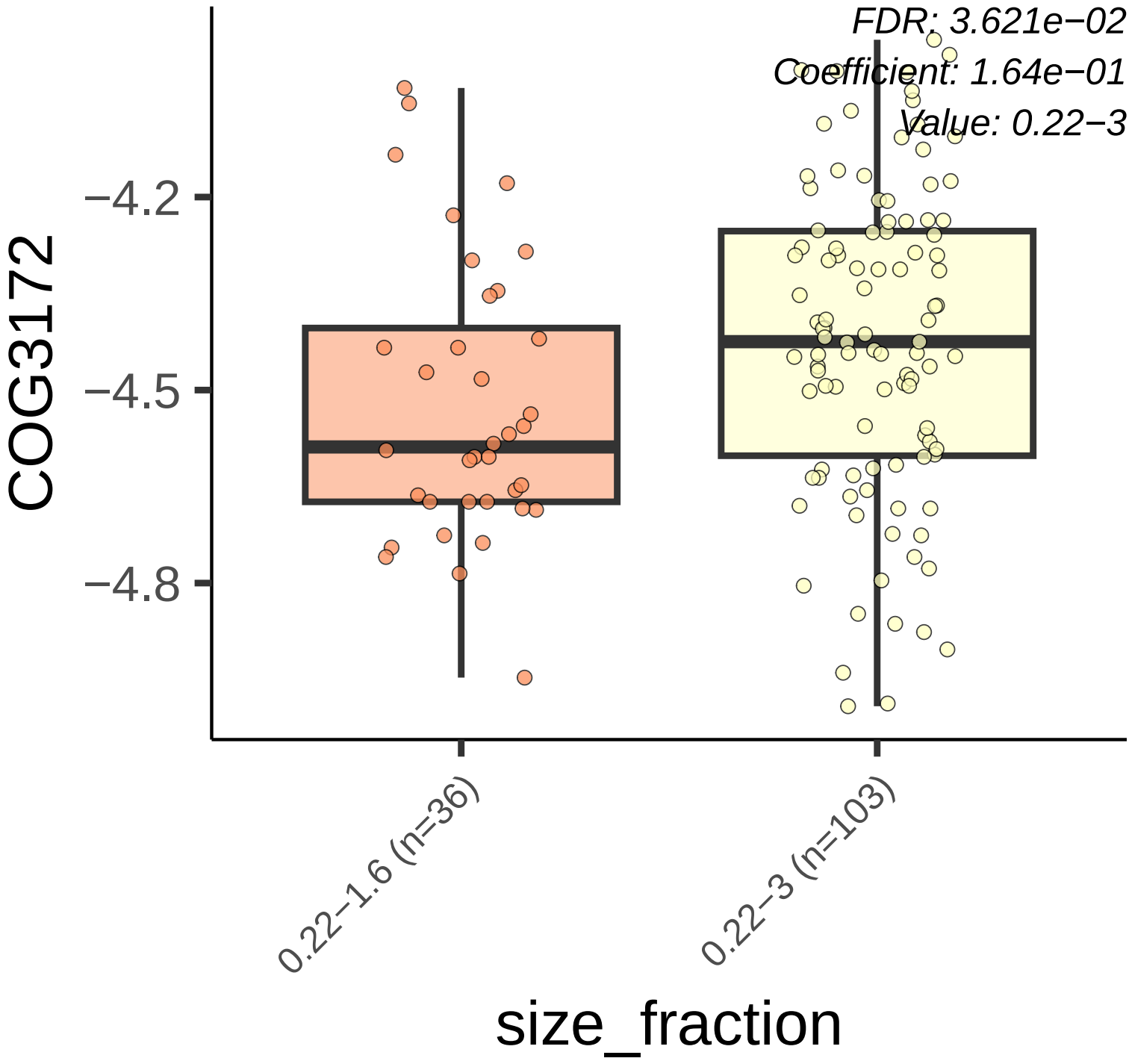

FDR: 3.561e−02
Coefficient: 1.50e−01
Value: 0.22−3
COG0589
−3.2
−3.4
−3.6
−3.8
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

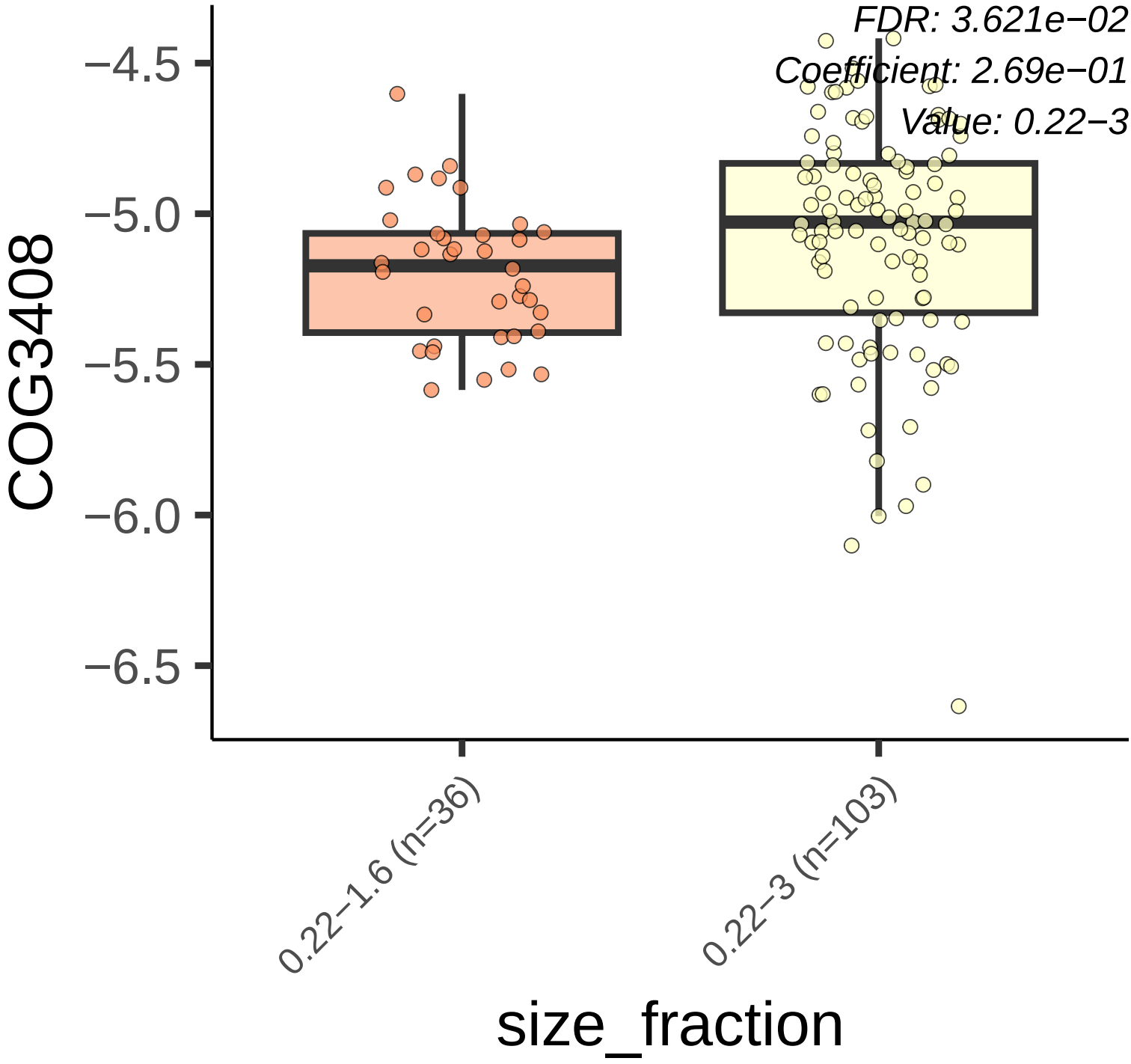

FDR: 3.572e−02
Coefficient: 3.77e−01
Value: 0.22−3
COG1556
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

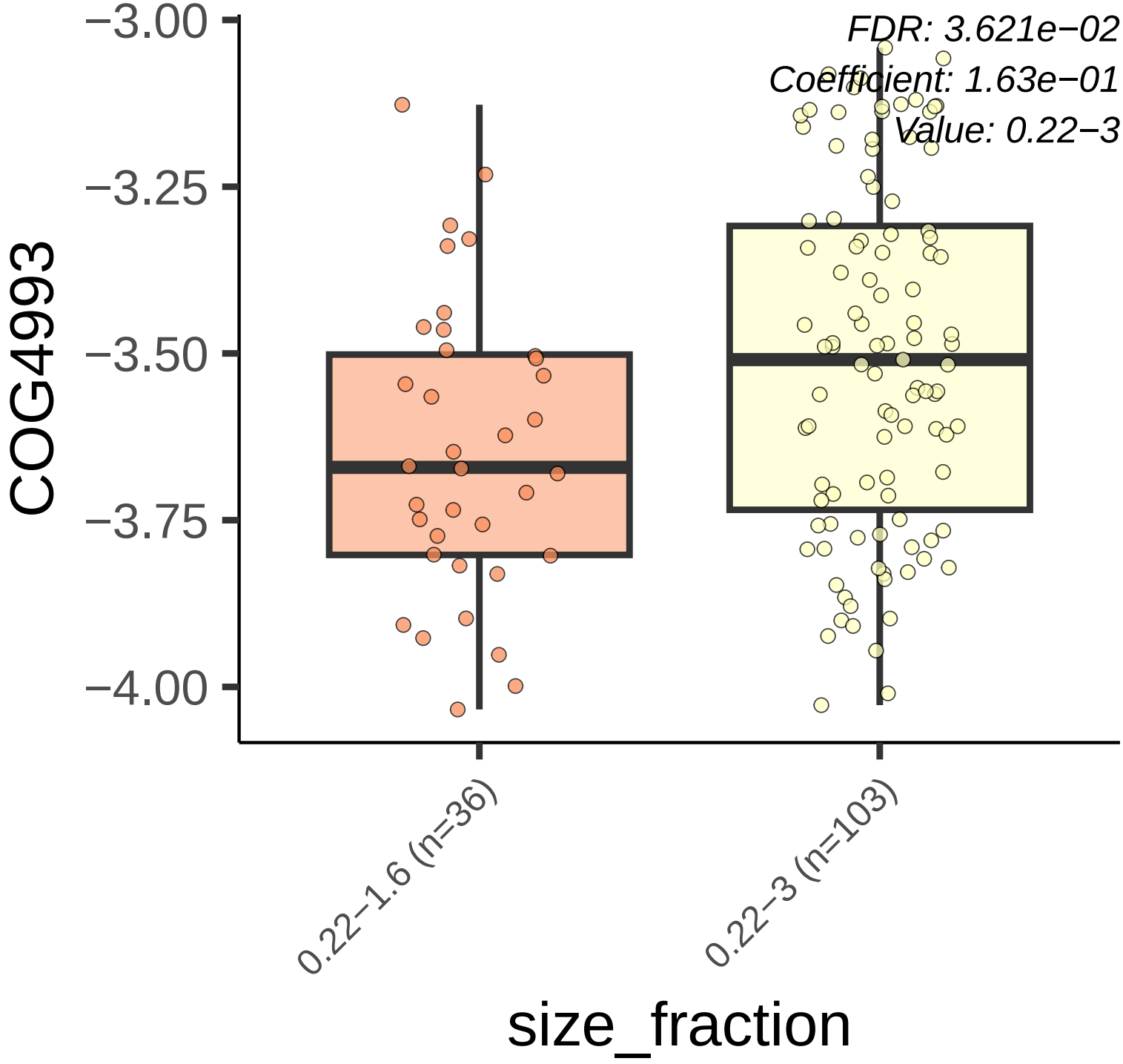

FDR: 3.588e−02
Coefficient: 1.28e+00
Value: 0.22−3
COG2190
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

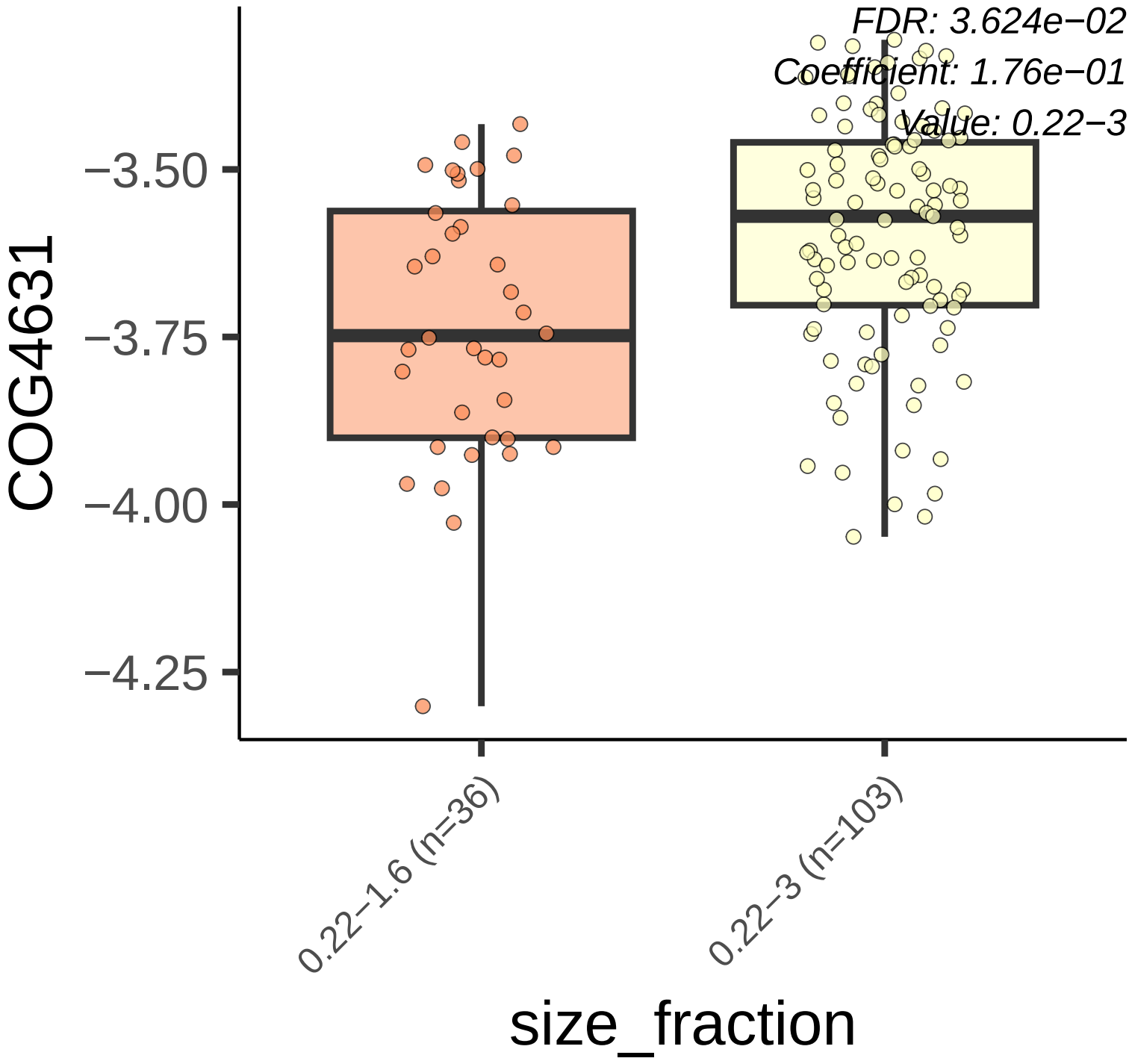

FDR: 3.595e−02
Coefficient: 9.12e−01
Value: 0.22−3
COG4279
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.621e−02
Coefficient: 3.88e−01
Value: 0.22−3
COG3158
−4.5
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.621e−02
Coefficient: 1.64e−01
Value: 0.22−3
COG3172
−4.2
−4.5
−4.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.621e−02
Coefficient: 2.69e−01
Value: 0.22−3
COG3408
−4.5
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.621e−02
Coefficient: 1.63e−01
Value: 0.22−3
−3.00
−3.25
−3.50
−3.75
−4.00
COG4993
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.624e−02
Coefficient: 1.76e−01
Value: 0.22−3
COG4631
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−3.75
−4.00
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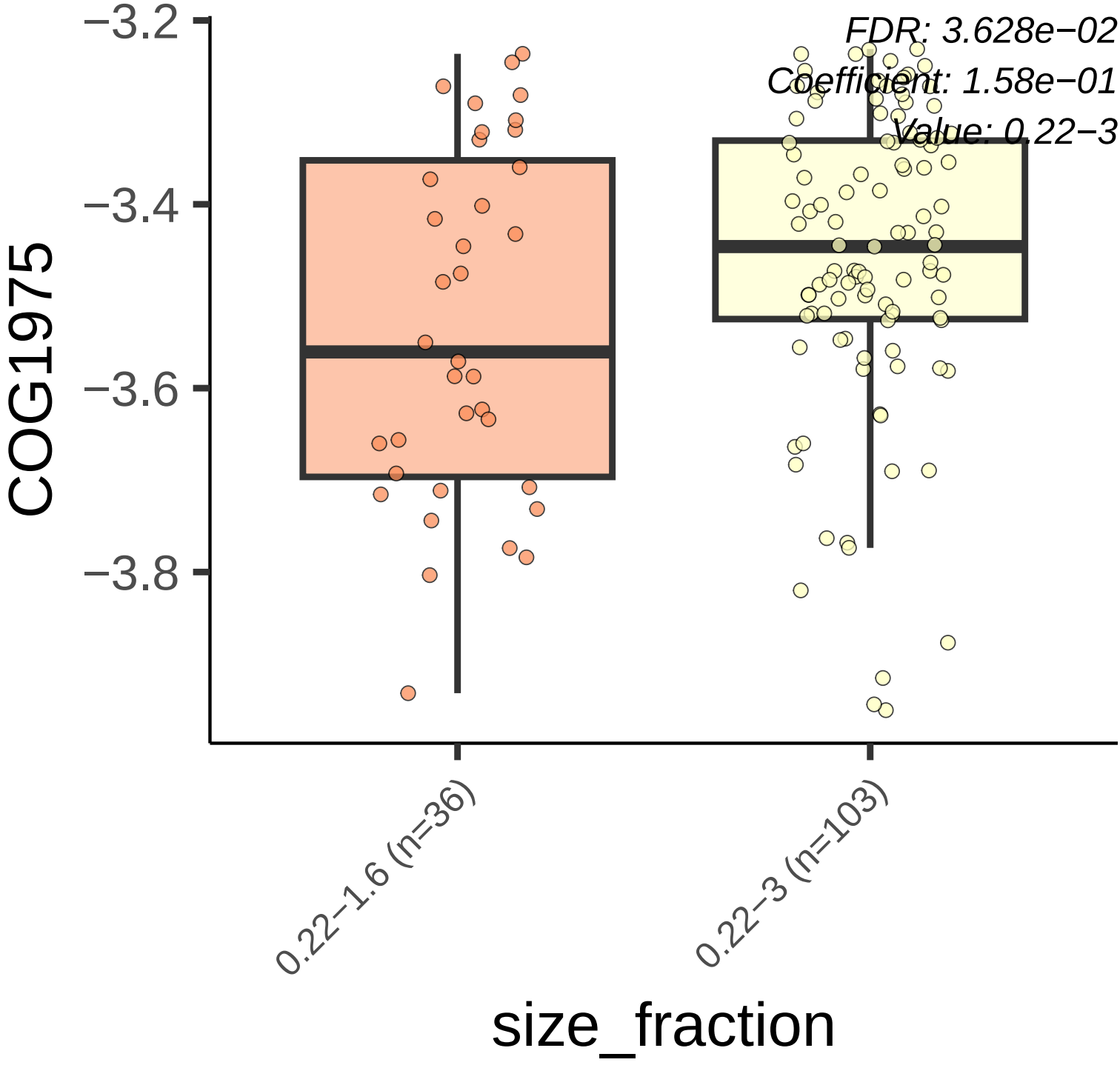
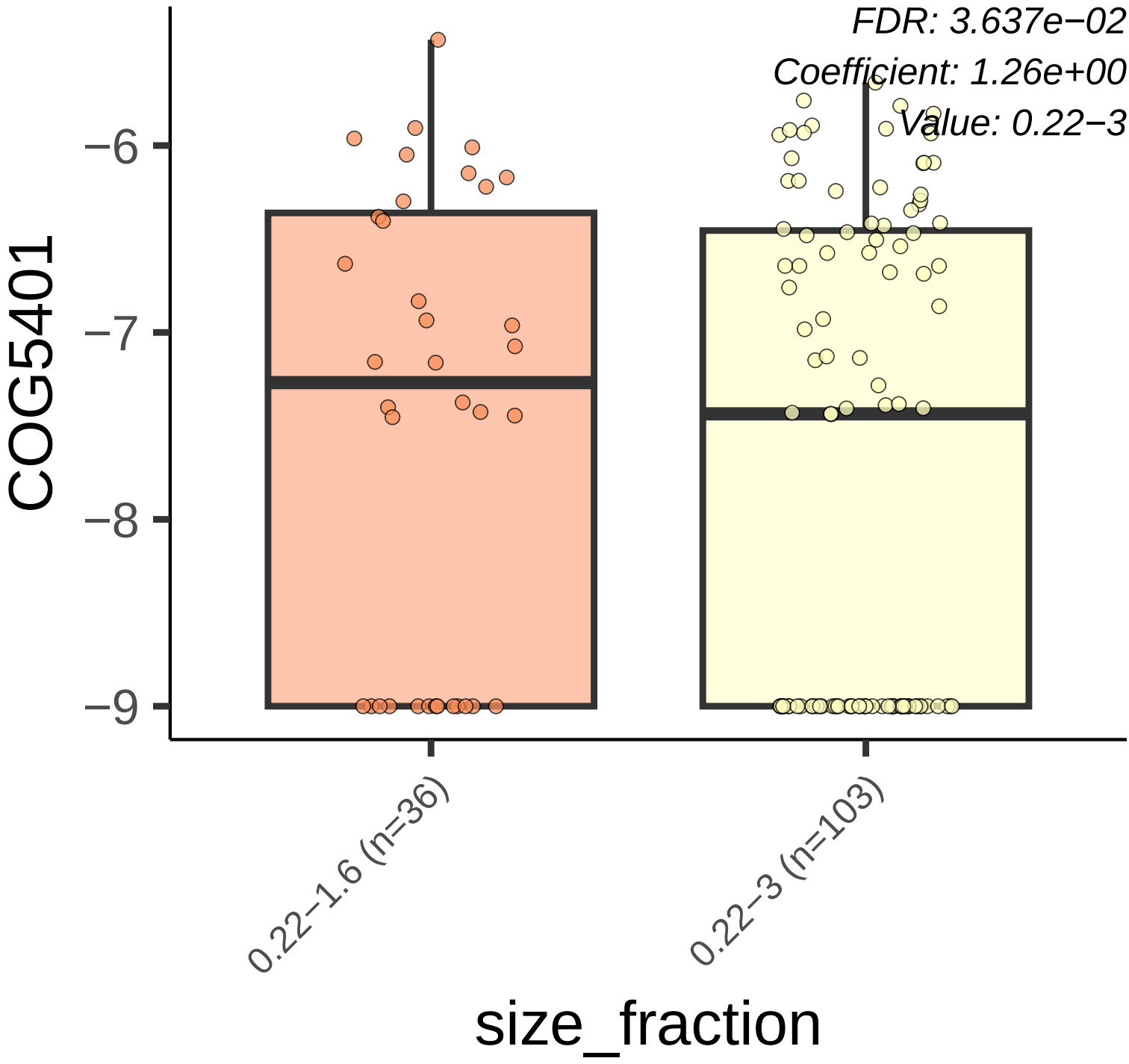
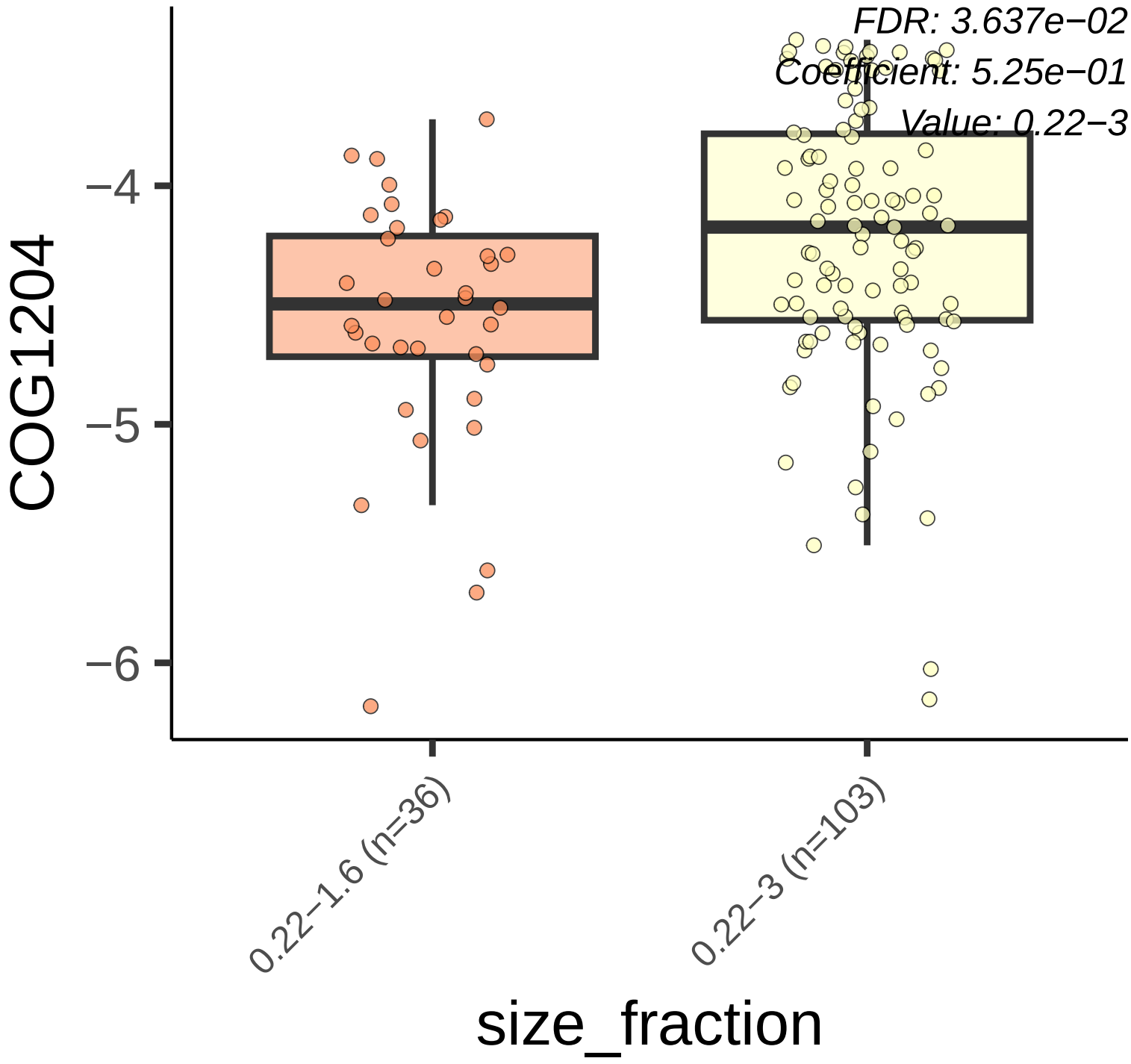
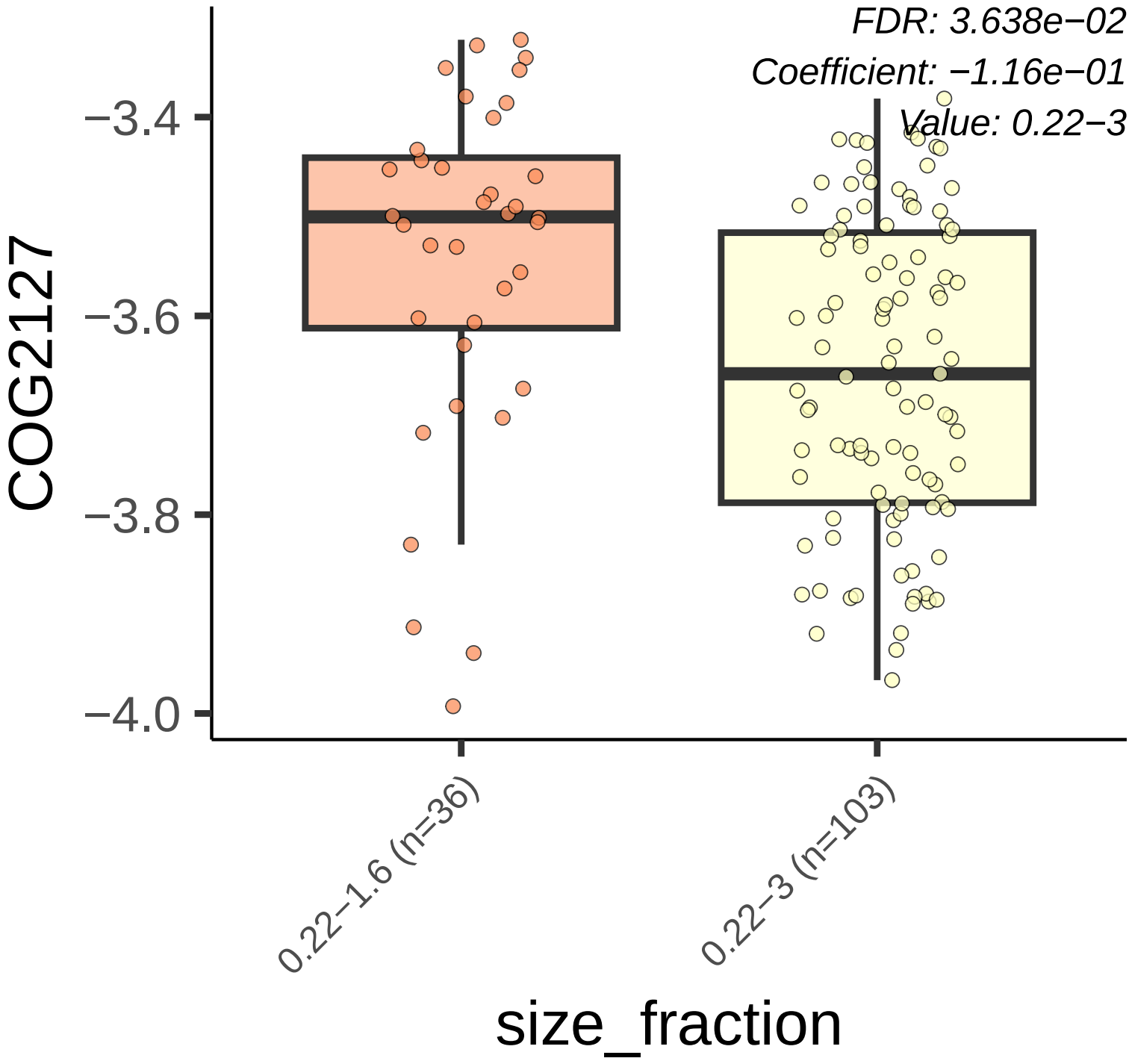
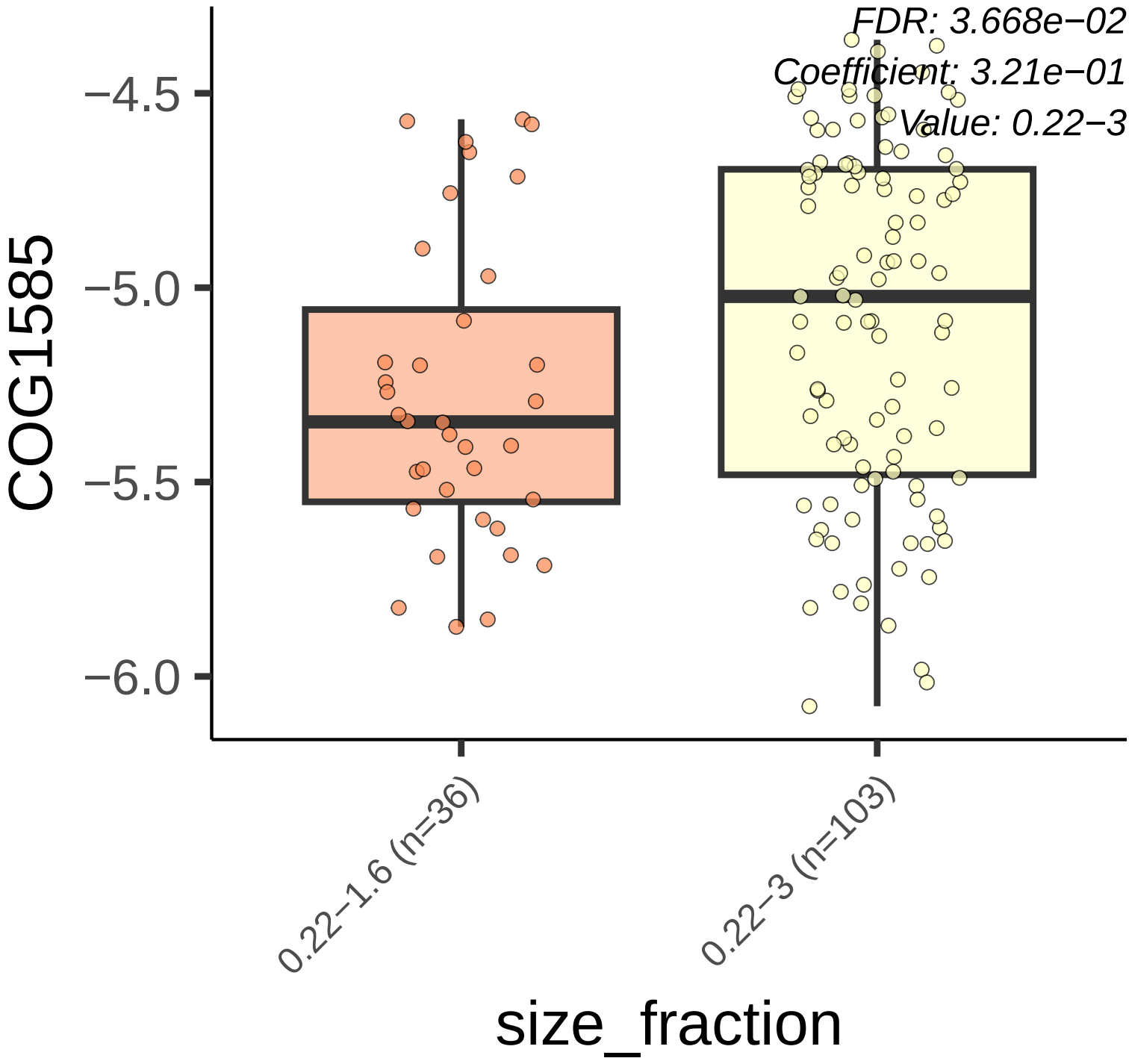
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

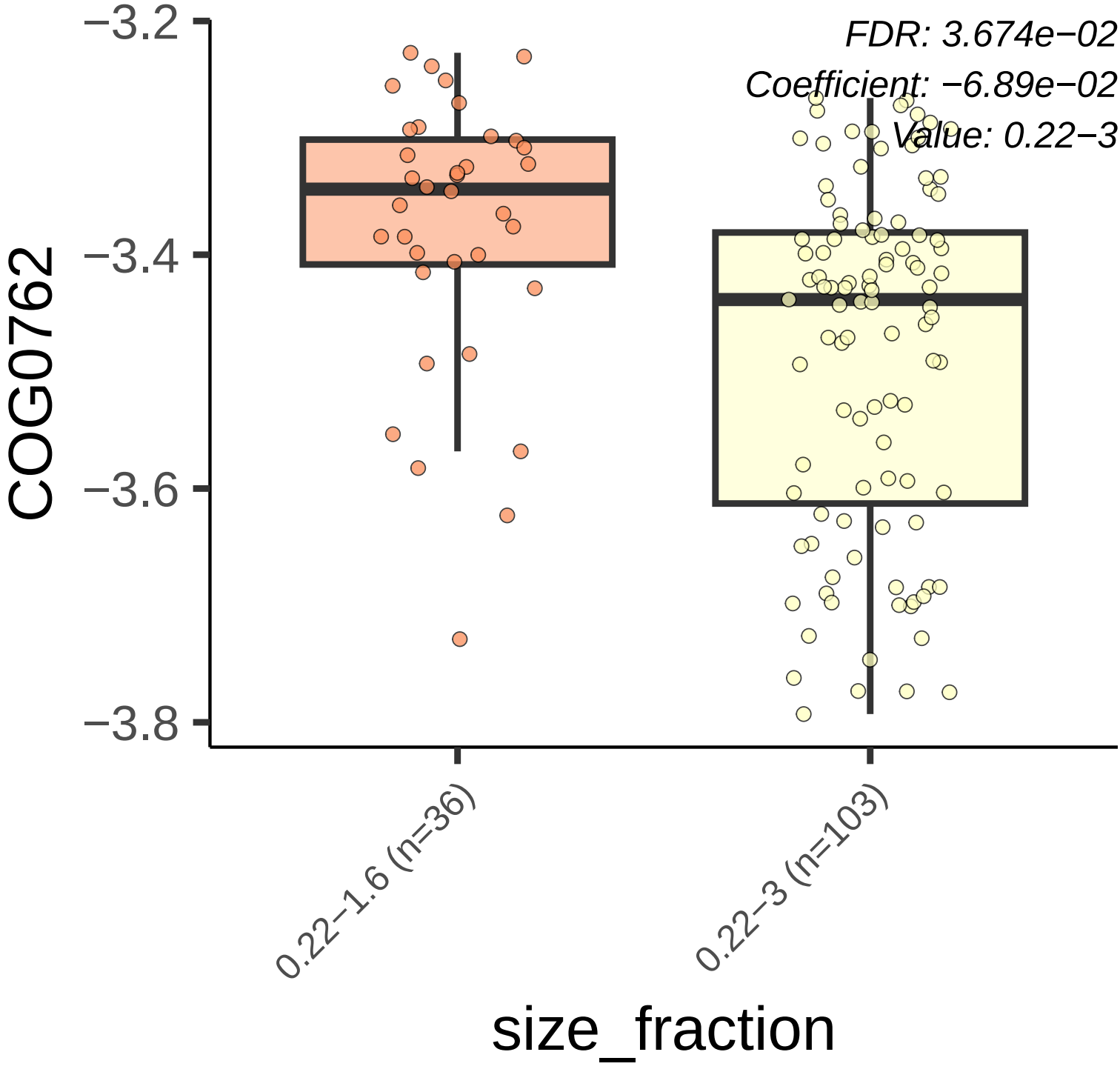

FDR: 3.628e−02
Coefficient: 1.58e−01
Value: 0.22−3
−3.2
−3.4
−3.6
−3.8
COG1975
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

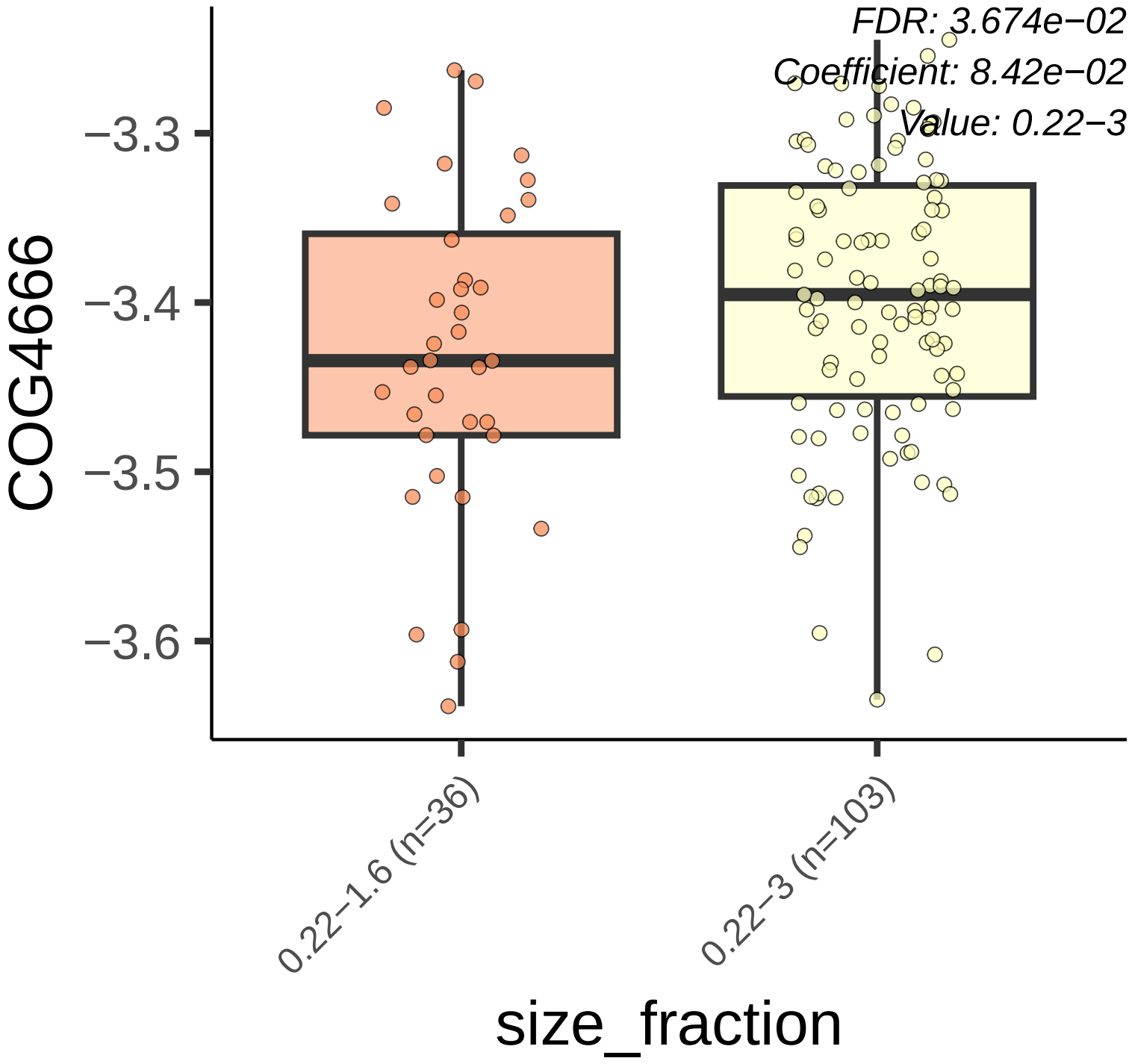

FDR: 3.637e−02
Coefficient: 1.26e+00
Value: 0.22−3
COG5401
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

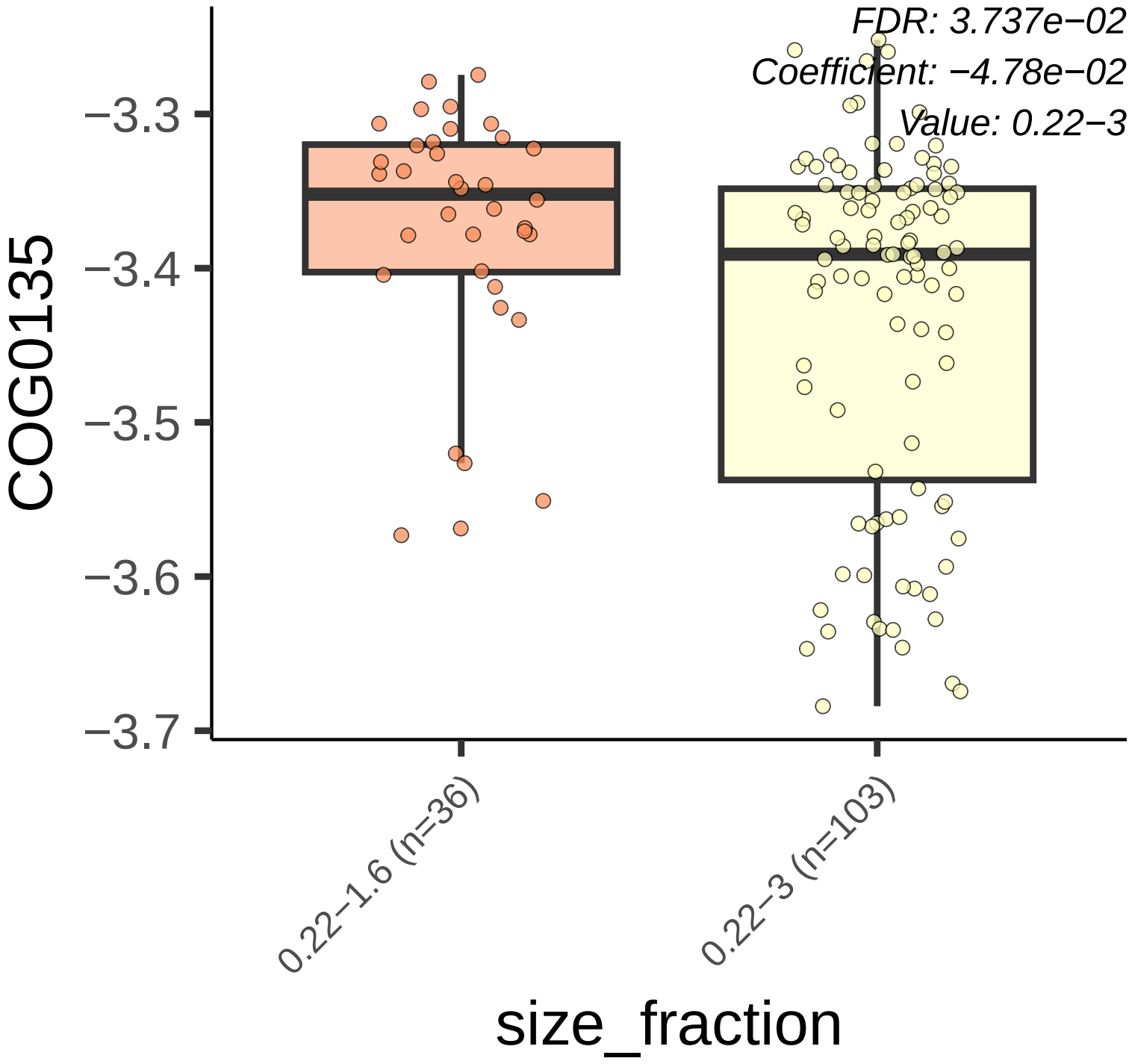

FDR: 3.637e−02
Coefficient: 5.25e−01
Value: 0.22−3
COG1204
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.638e−02
Coefficient: −1.16e−01
Value: 0.22−3
COG2127
−3.4
−3.6
−3.8
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.668e−02
Coefficient: 3.21e−01
Value: 0.22−3
COG1585
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.674e−02
Coefficient: −6.89e−02
Value: 0.22−3
COG0762
−3.2
−3.4
−3.6
−3.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.674e−02
Coefficient: 8.42e−02
Value: 0.22−3
COG4666
−3.3
−3.4
−3.5
−3.6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction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Coefficient: −4.78e−02
Value: 0.22−3
COG0135
−3.3
−3.4
−3.5
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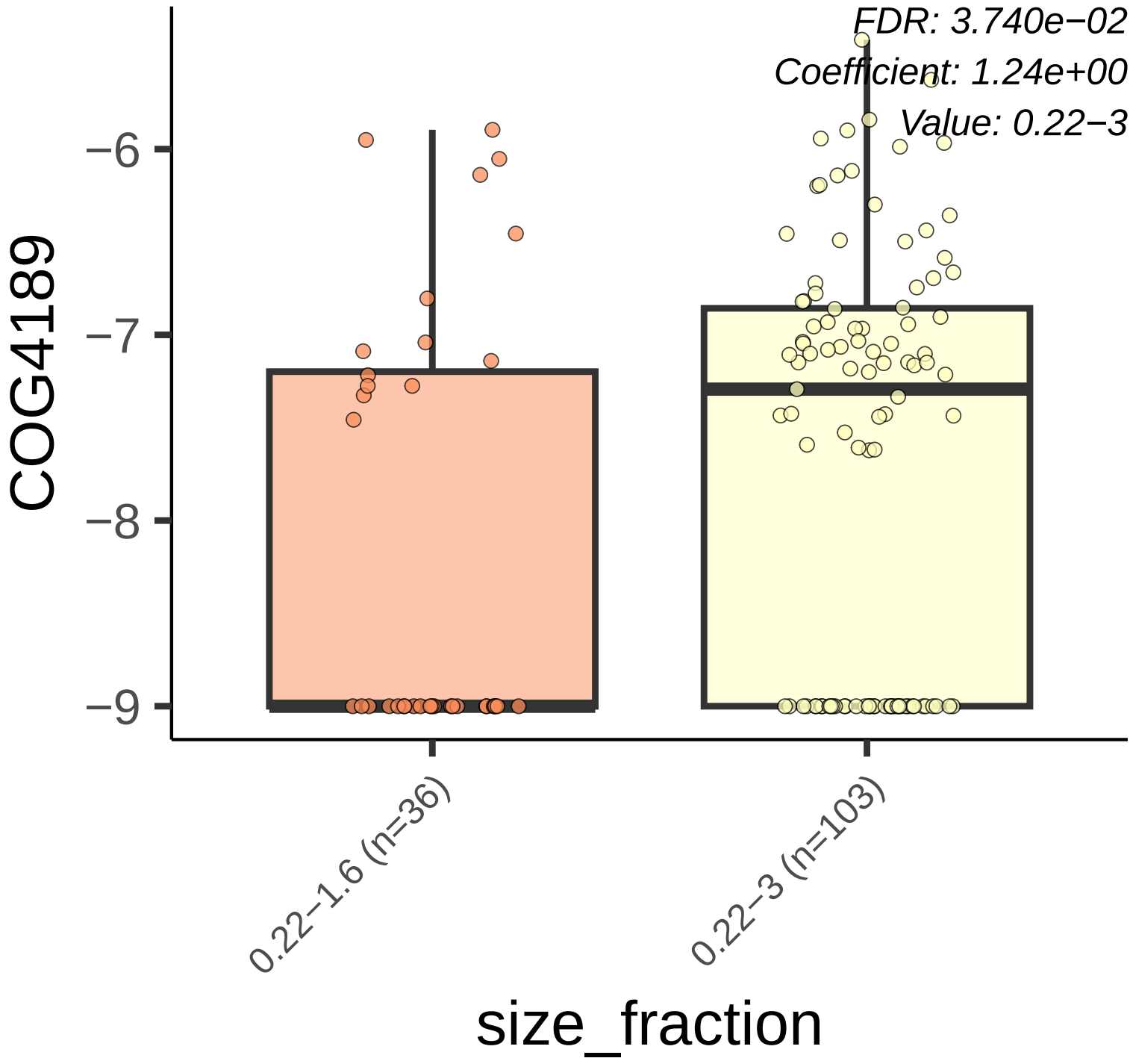
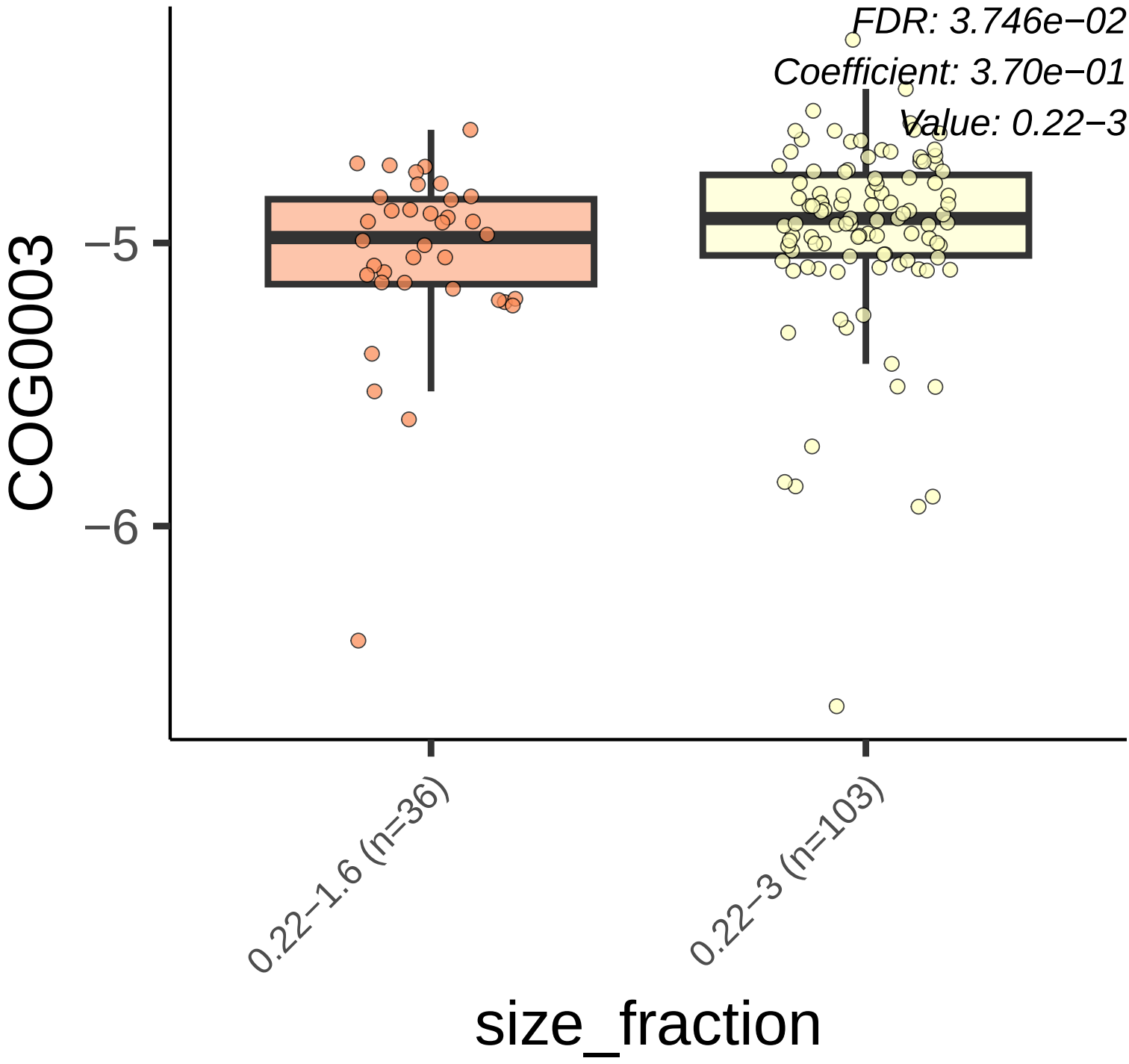
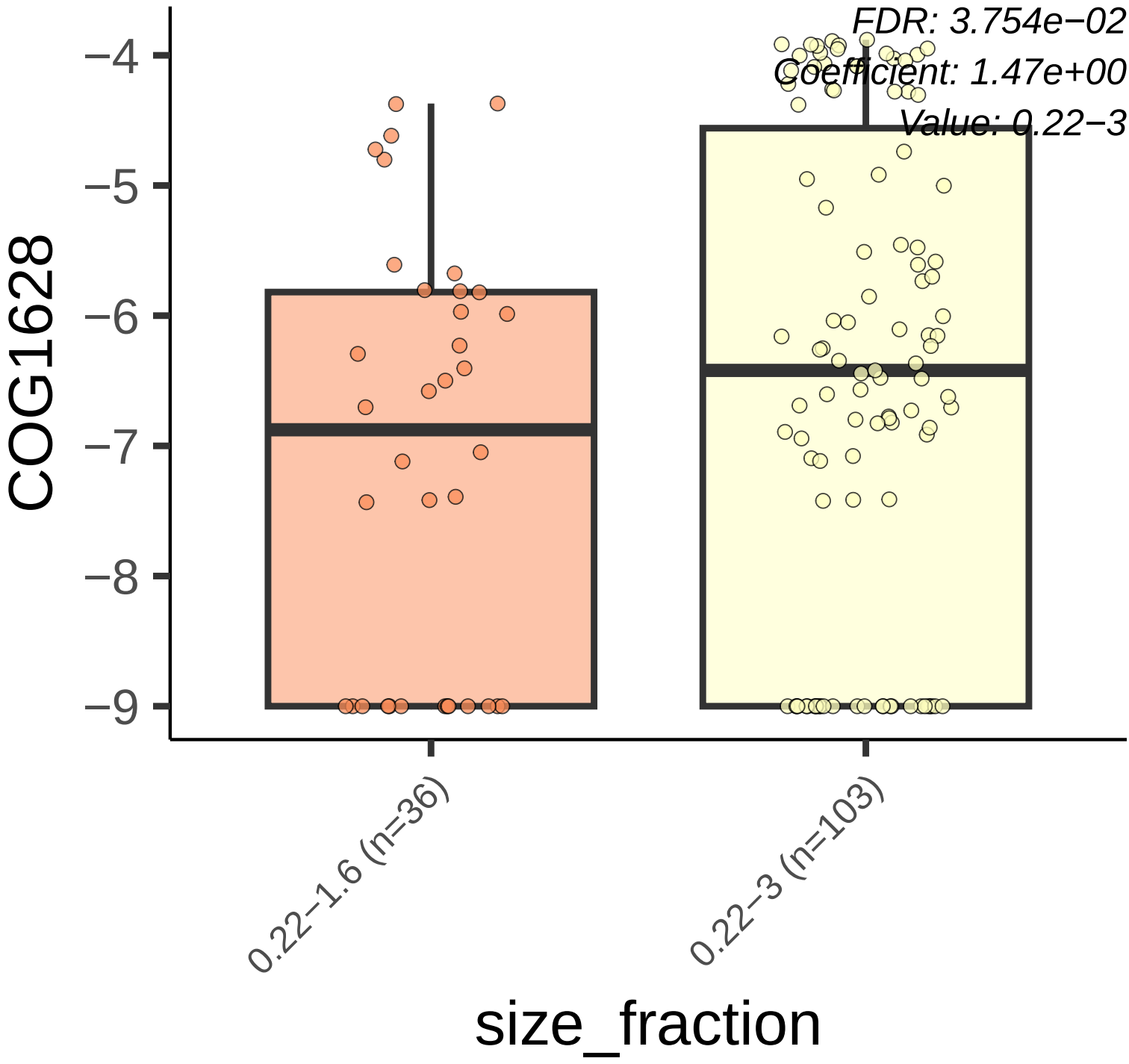
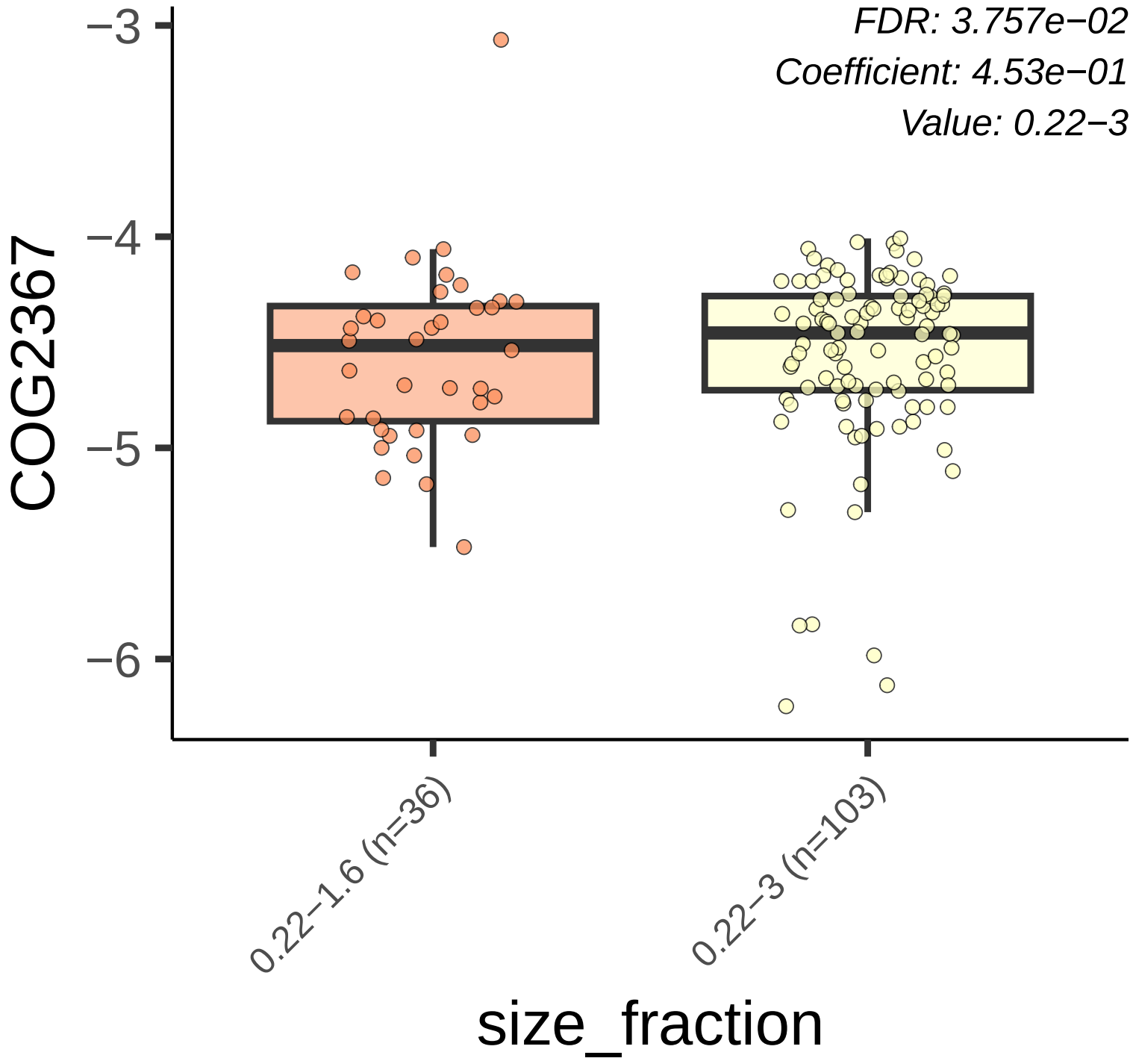
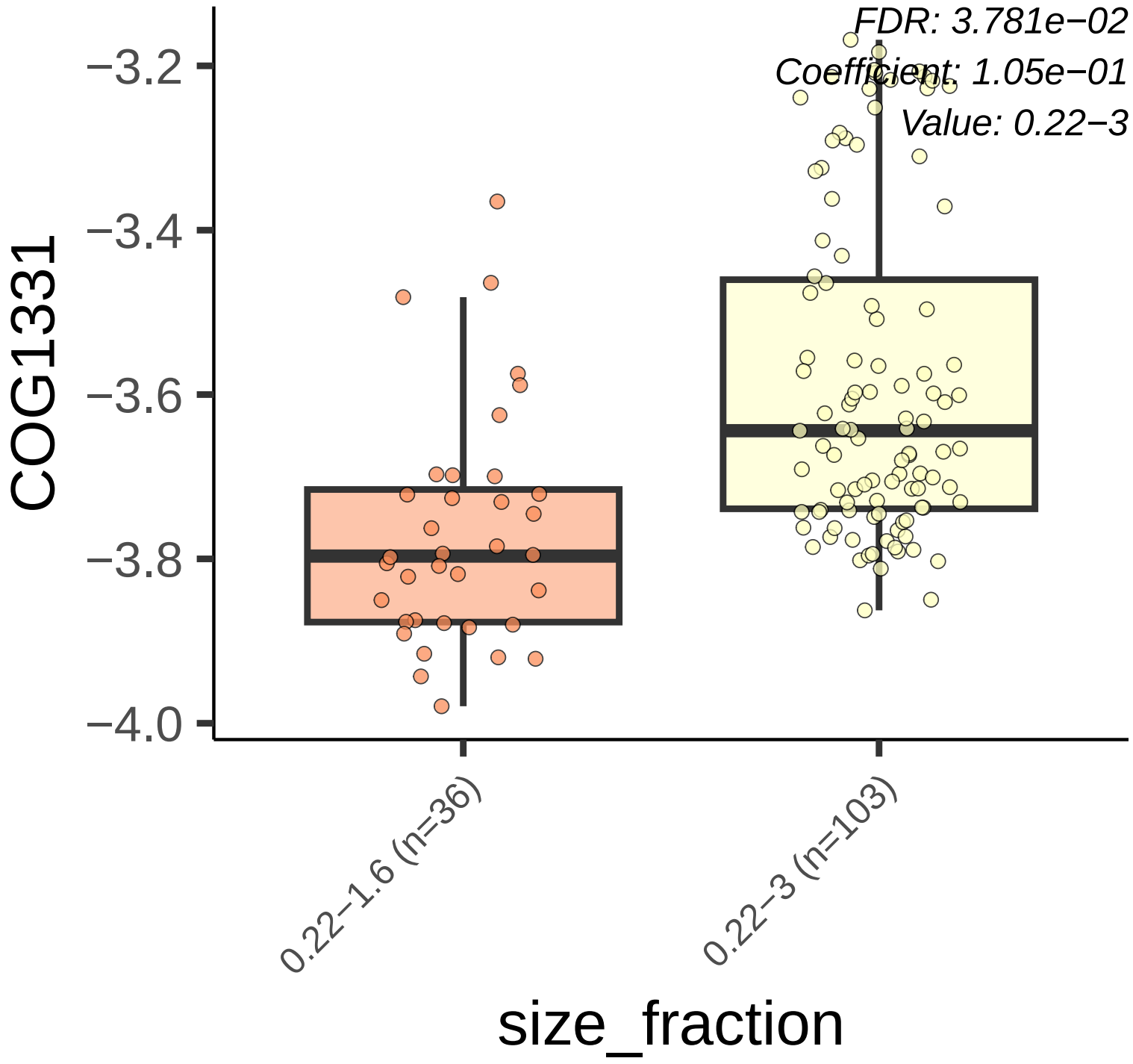
−3.7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

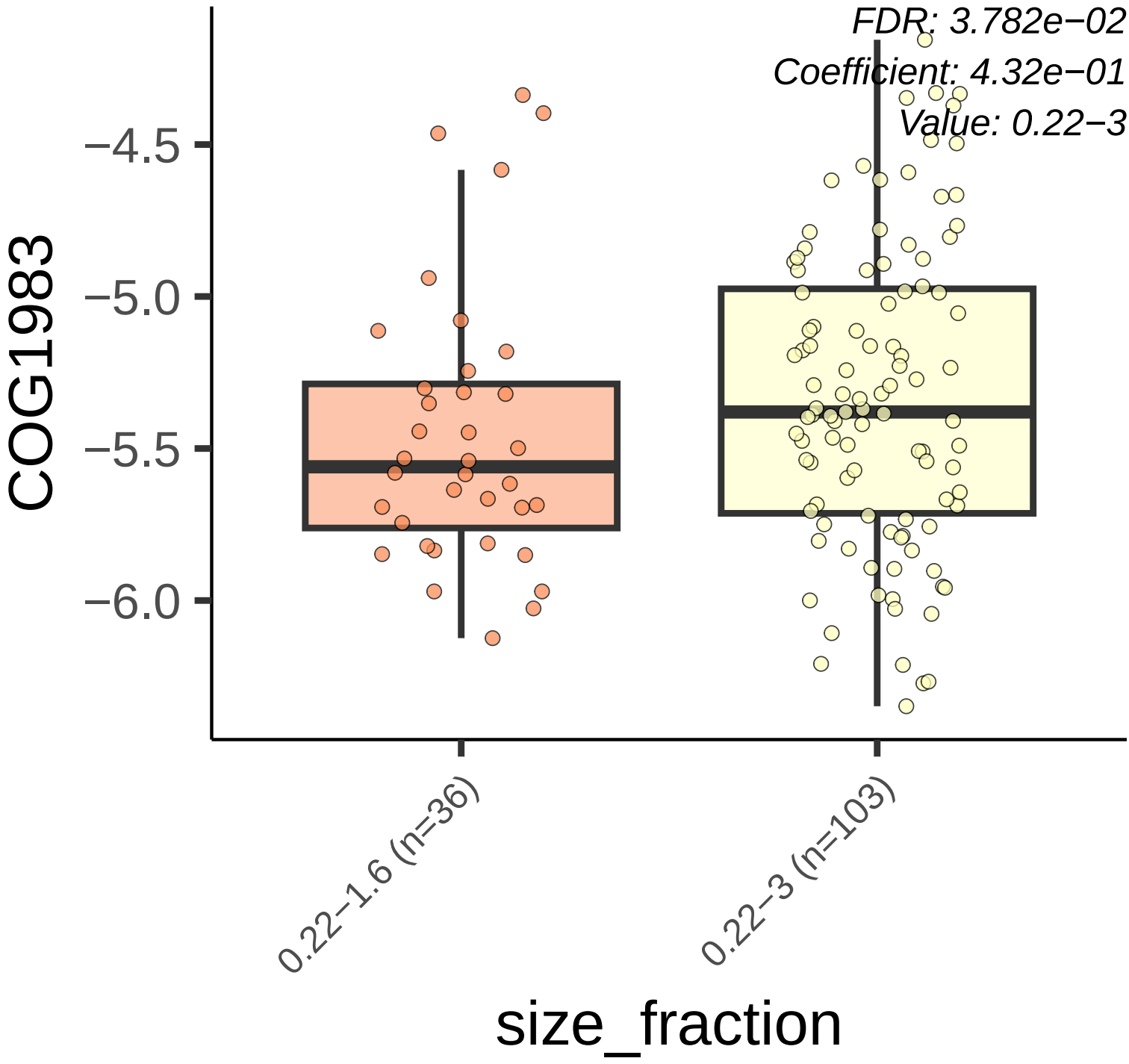

FDR: 3.740e−02
Coefficient: 1.24e+00
Value: 0.22−3
COG4189
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

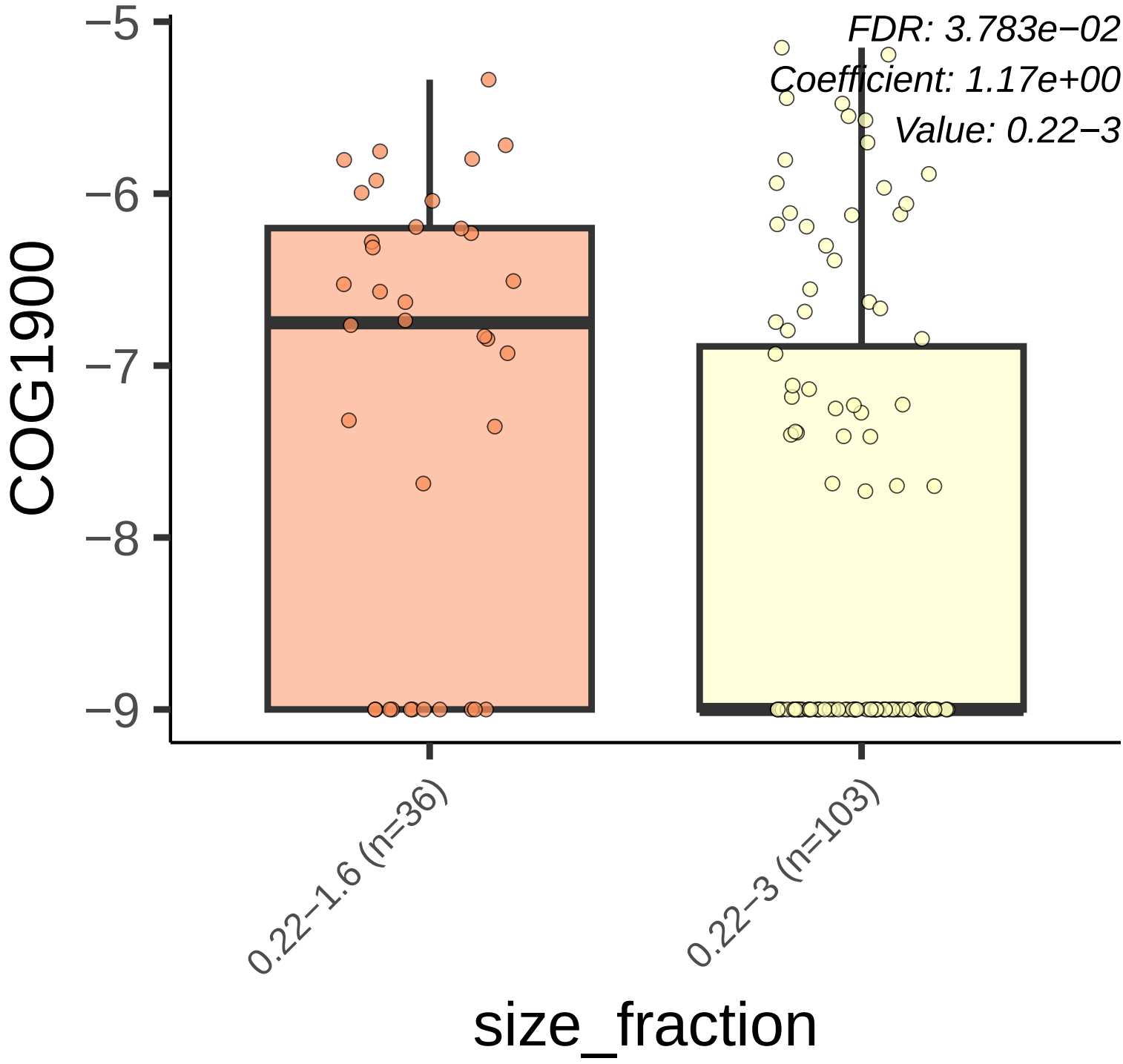

FDR: 3.746e−02
Coefficient: 3.70e−01
Value: 0.22−3
COG0003
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

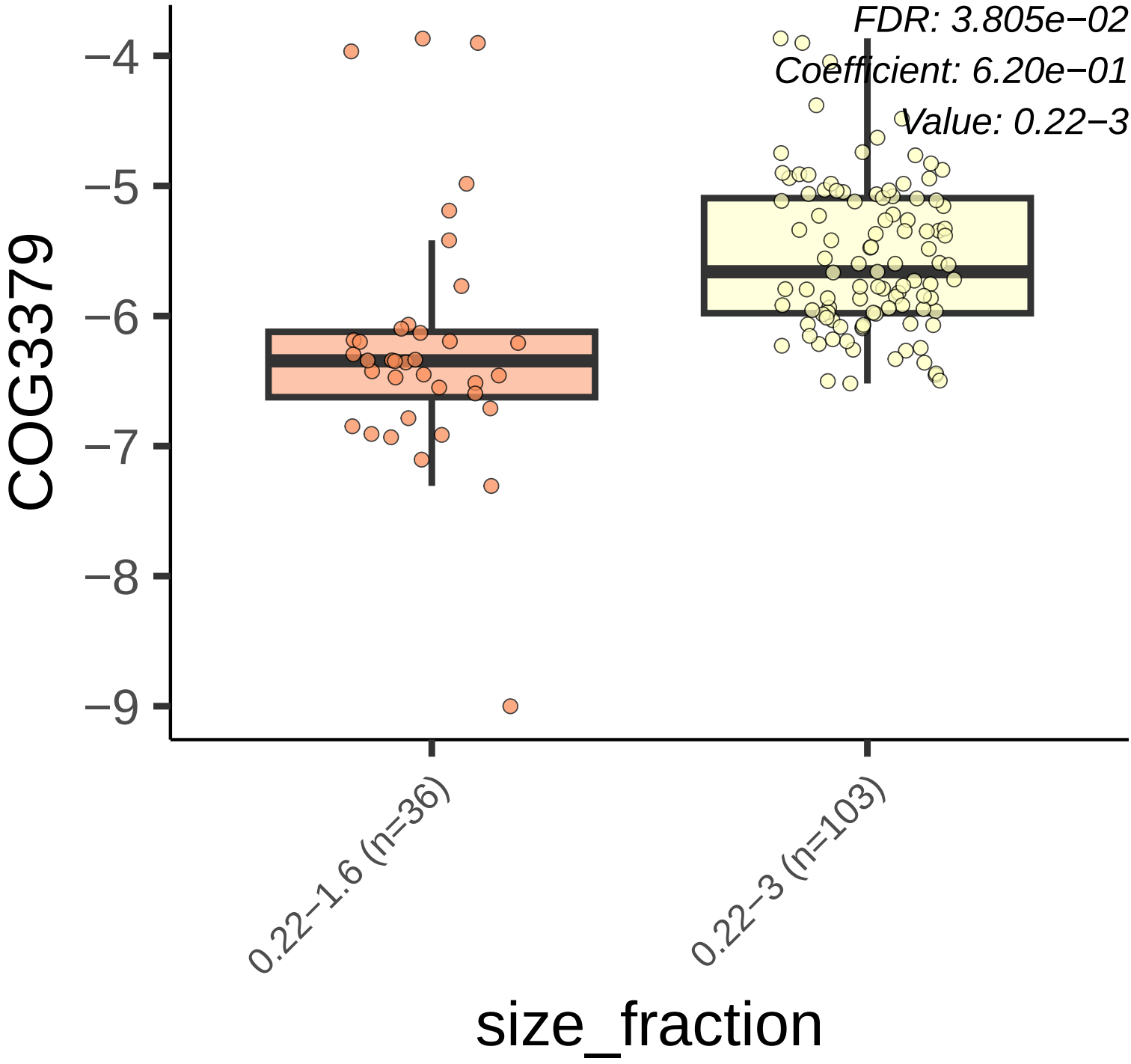

FDR: 3.754e−02
Coefficient: 1.47e+00
Value: 0.22−3
COG1628
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

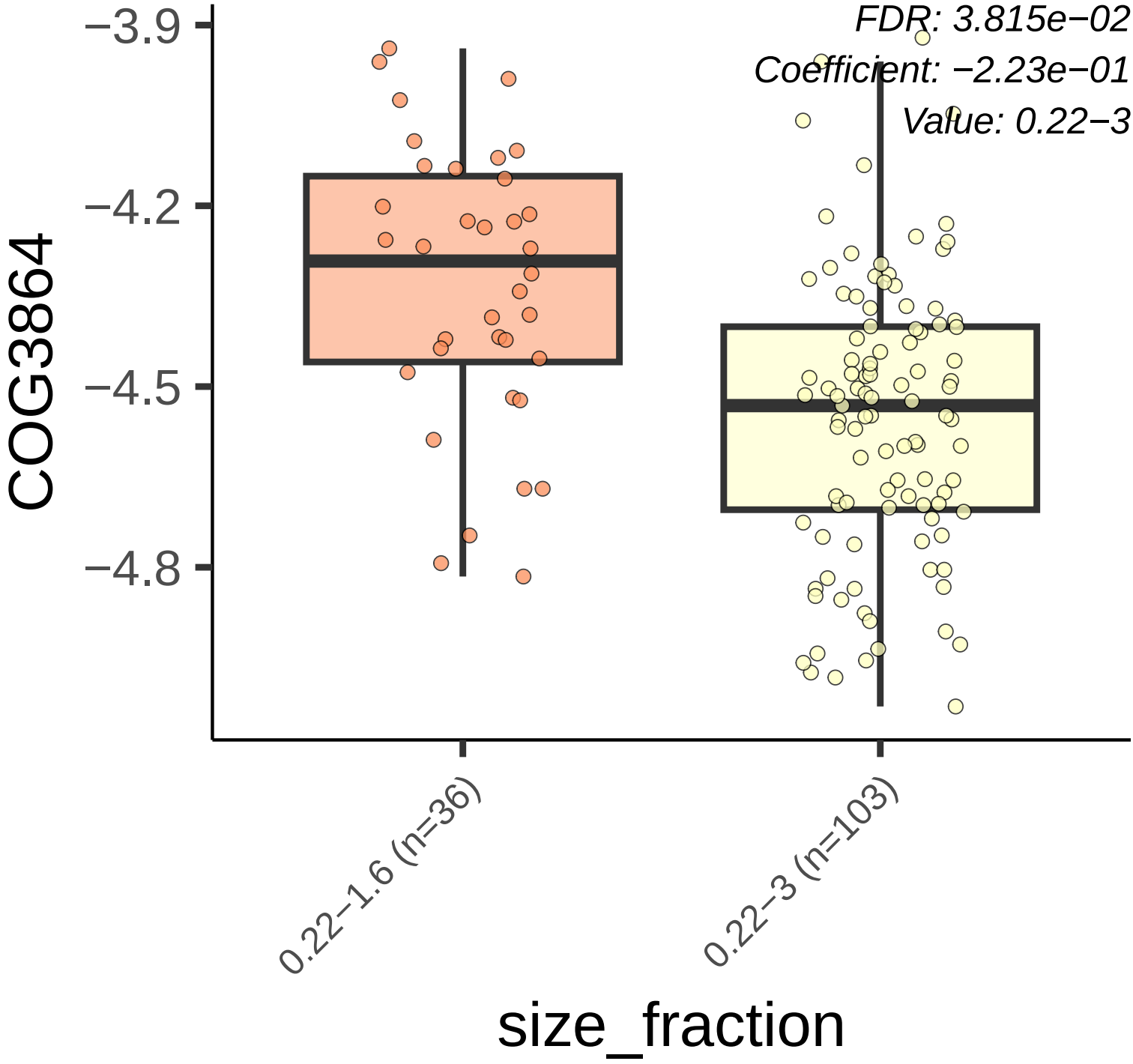

FDR: 3.757e−02
Coefficient: 4.53e−01
Value: 0.22−3
COG2367
−3
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

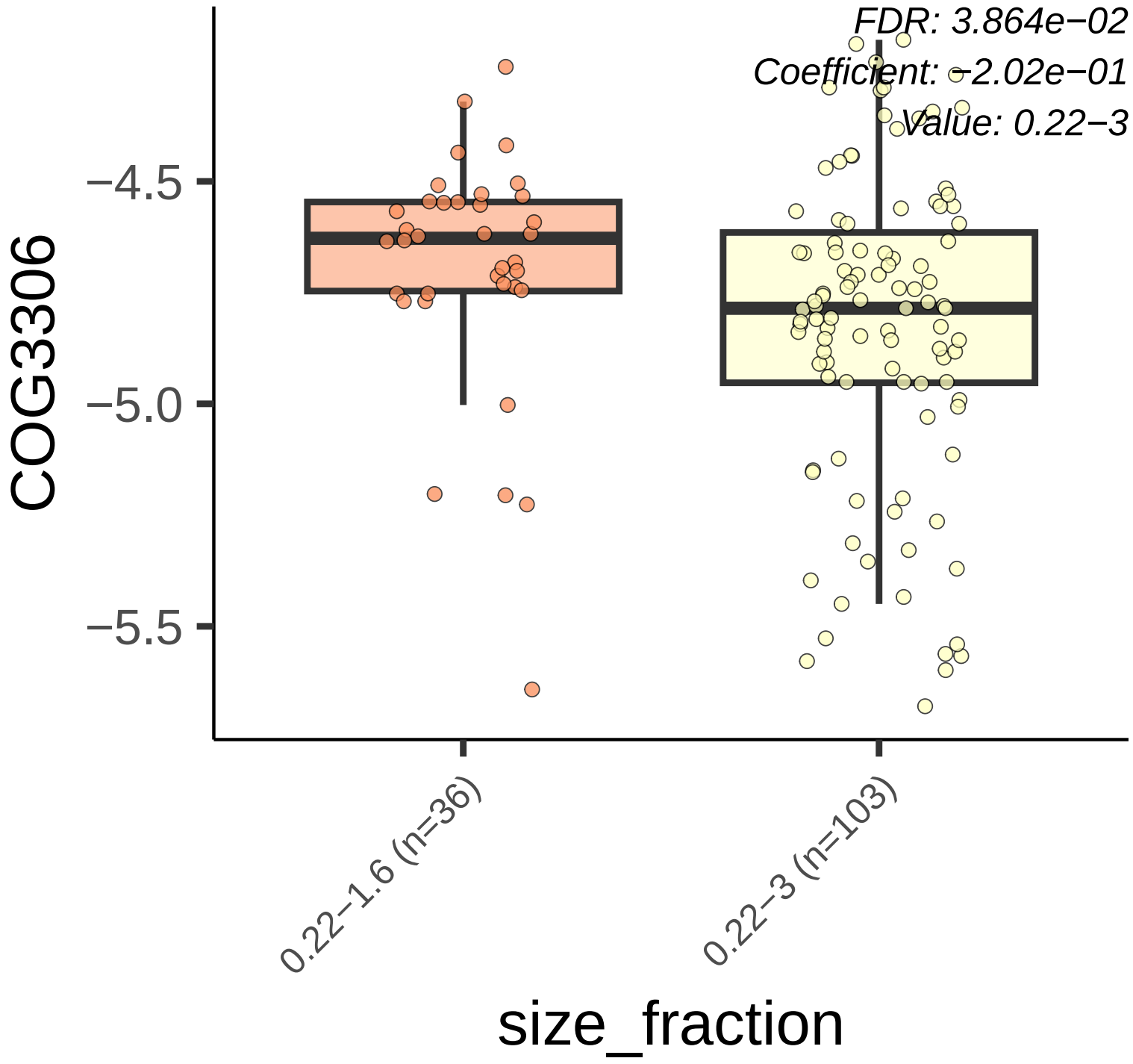

FDR: 3.781e−02
Coefficient: 1.05e−01
Value: 0.22−3
COG1331
−3.2
−3.4
−3.6
−3.8
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

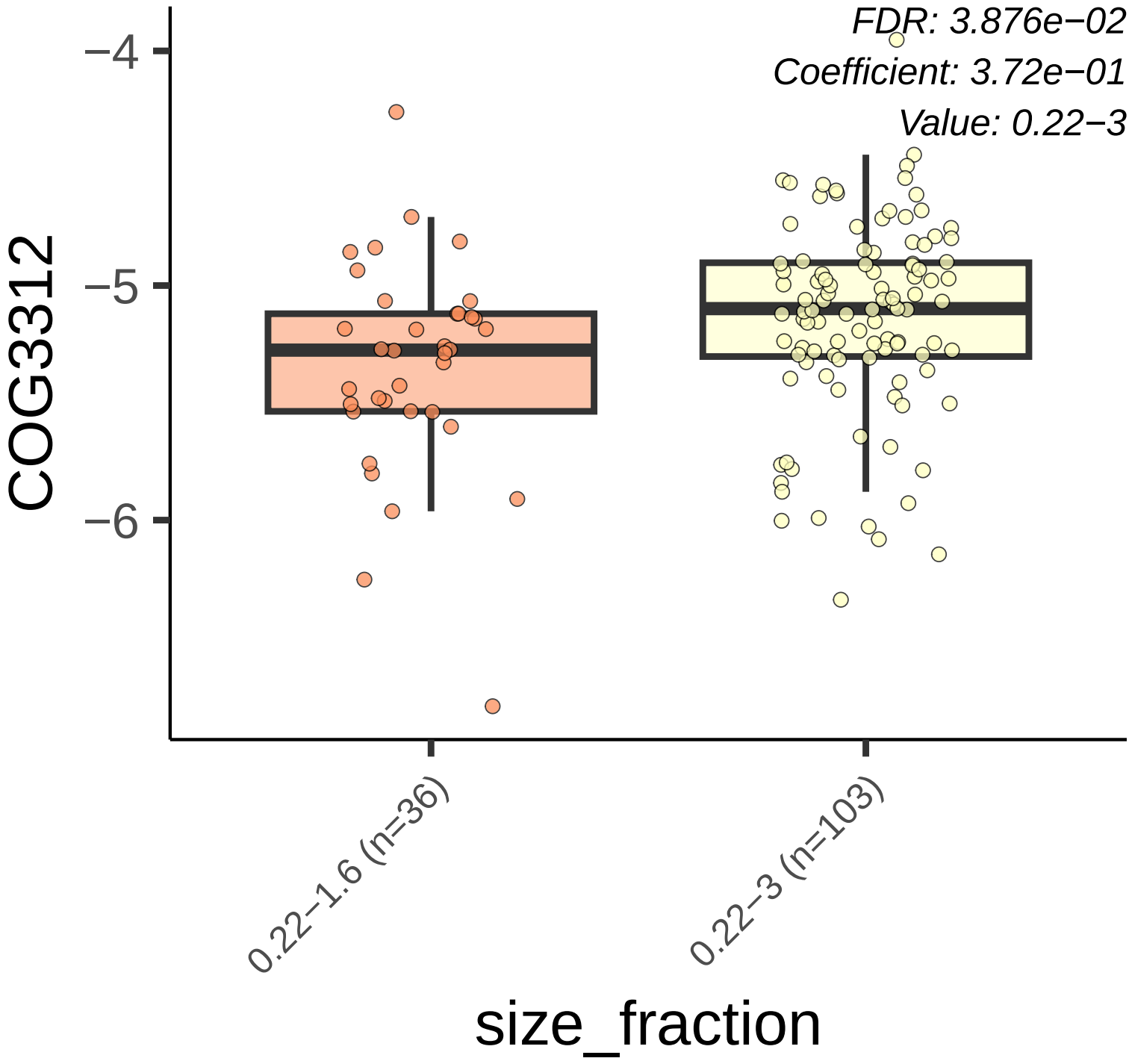

FDR: 3.782e−02
Coefficient: 4.32e−01
Value: 0.22−3
COG1983
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

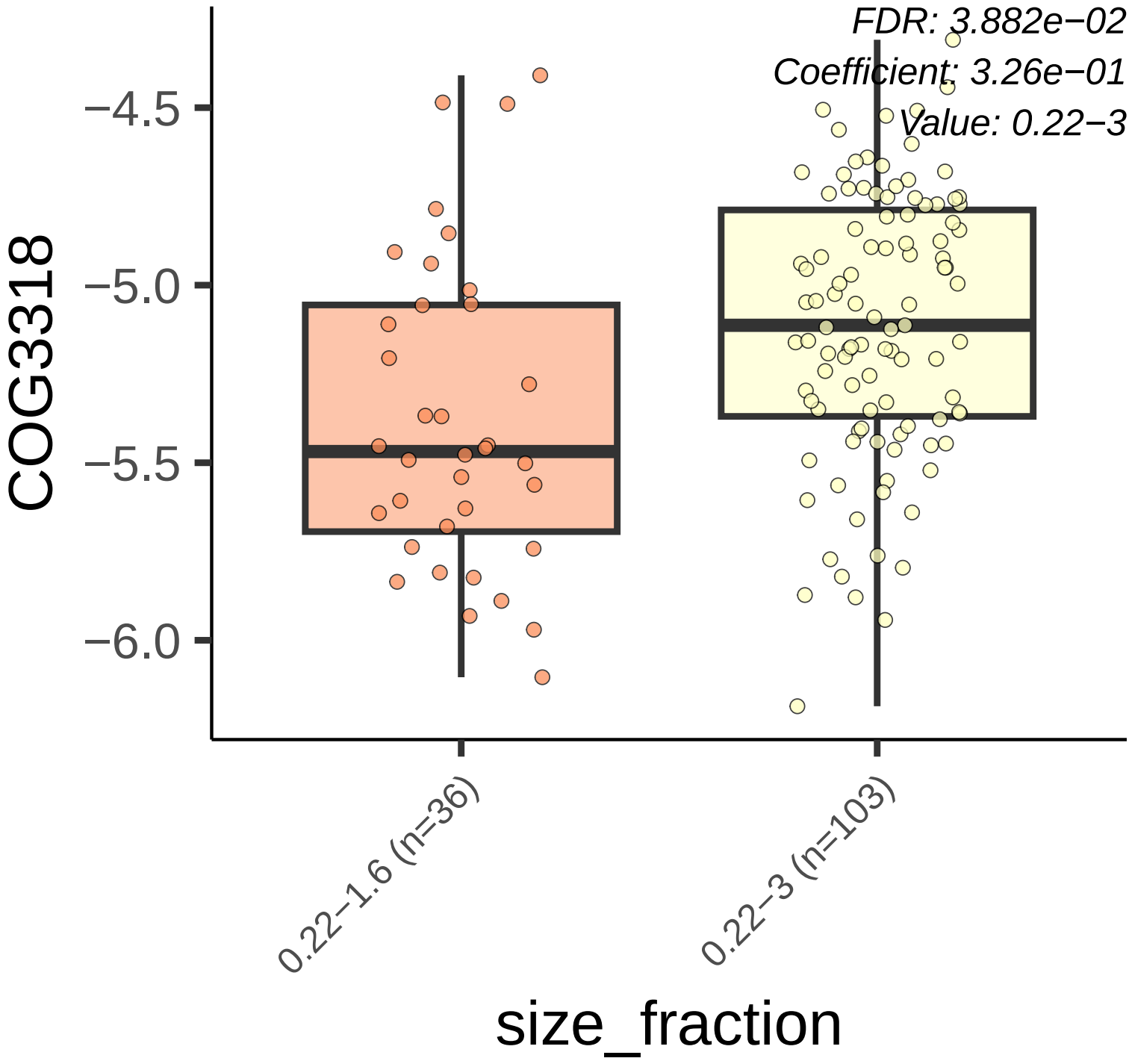

FDR: 3.783e−02
Coefficient: 1.17e+00
Value: 0.22−3
COG1900
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

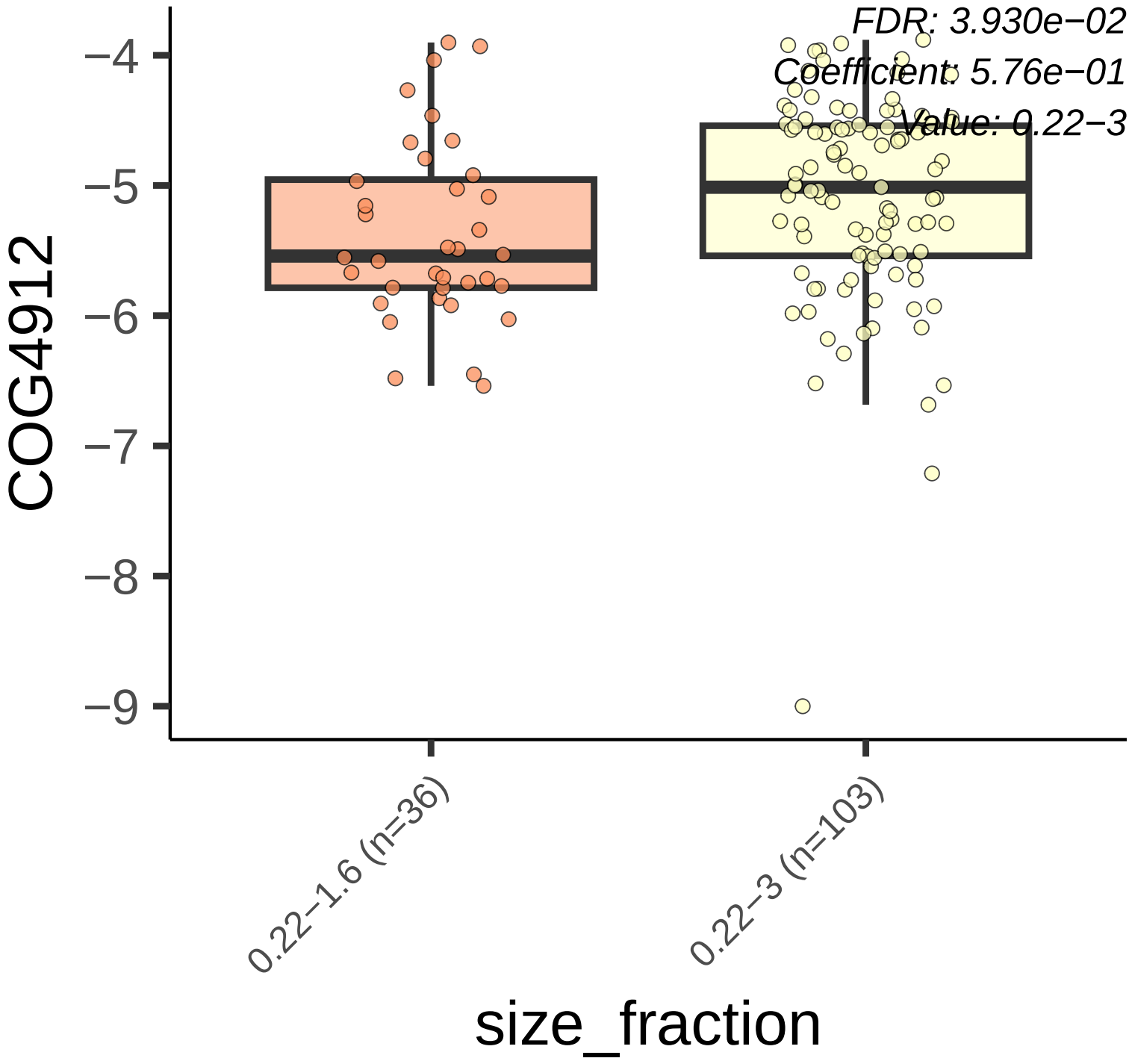

FDR: 3.805e−02
Coefficient: 6.20e−01
Value: 0.22−3
COG3379
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

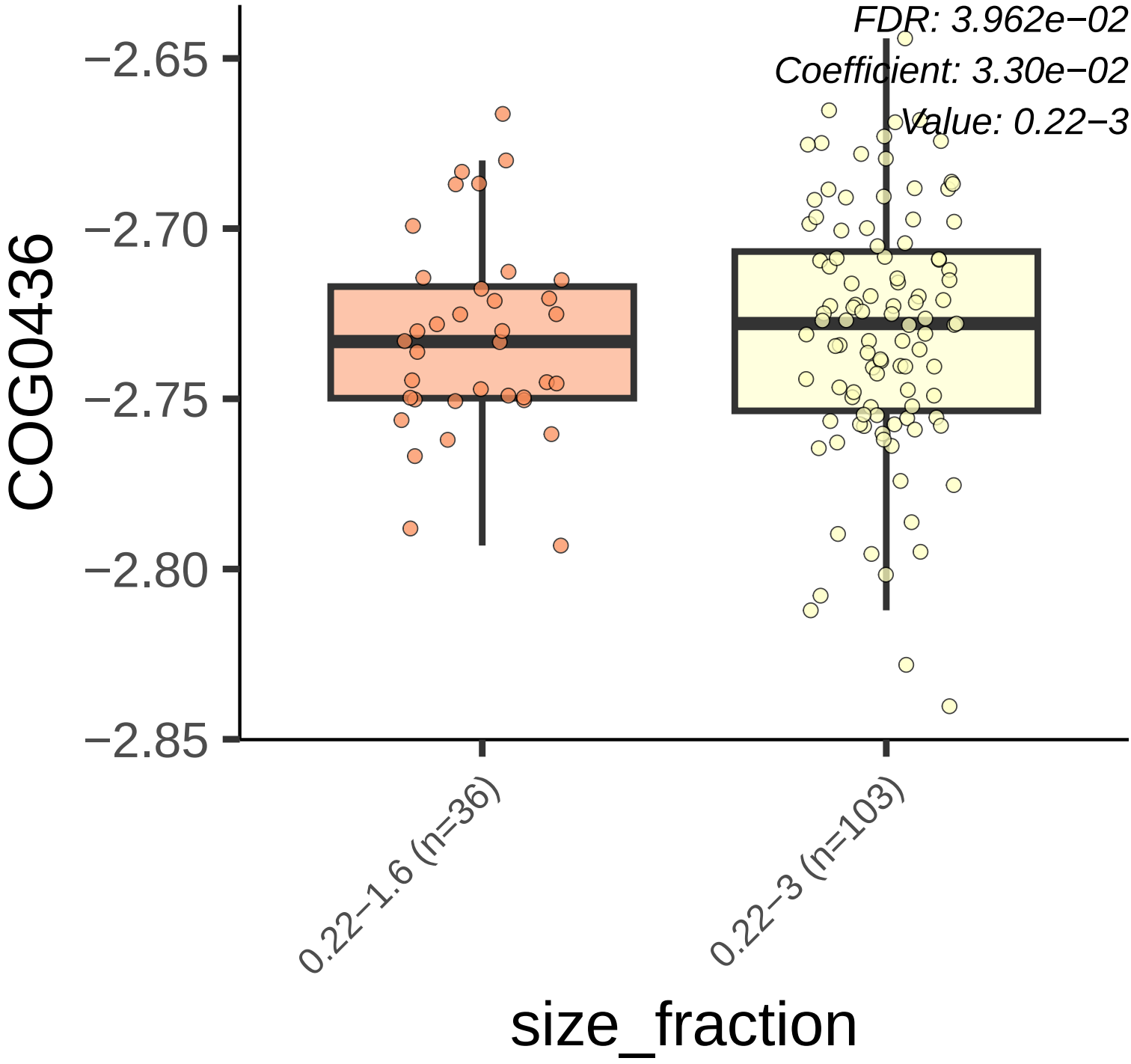

FDR: 3.815e−02
Coefficient: −2.23e−01
Value: 0.22−3
−3.9
−4.2
−4.5
−4.8
COG3864
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

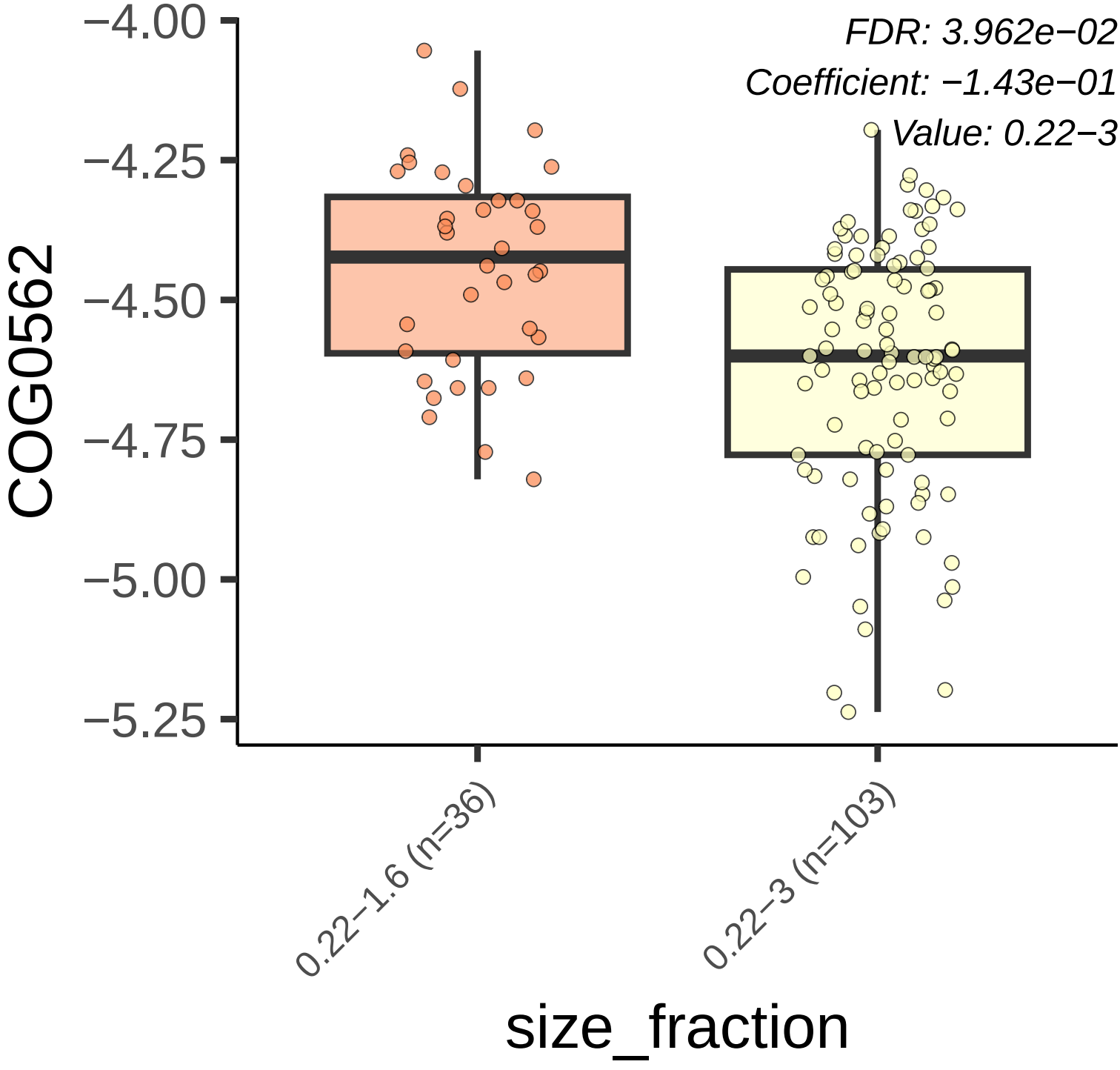

FDR: 3.864e−02
Coefficient: −2.02e−01
Value: 0.22−3
COG3306
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

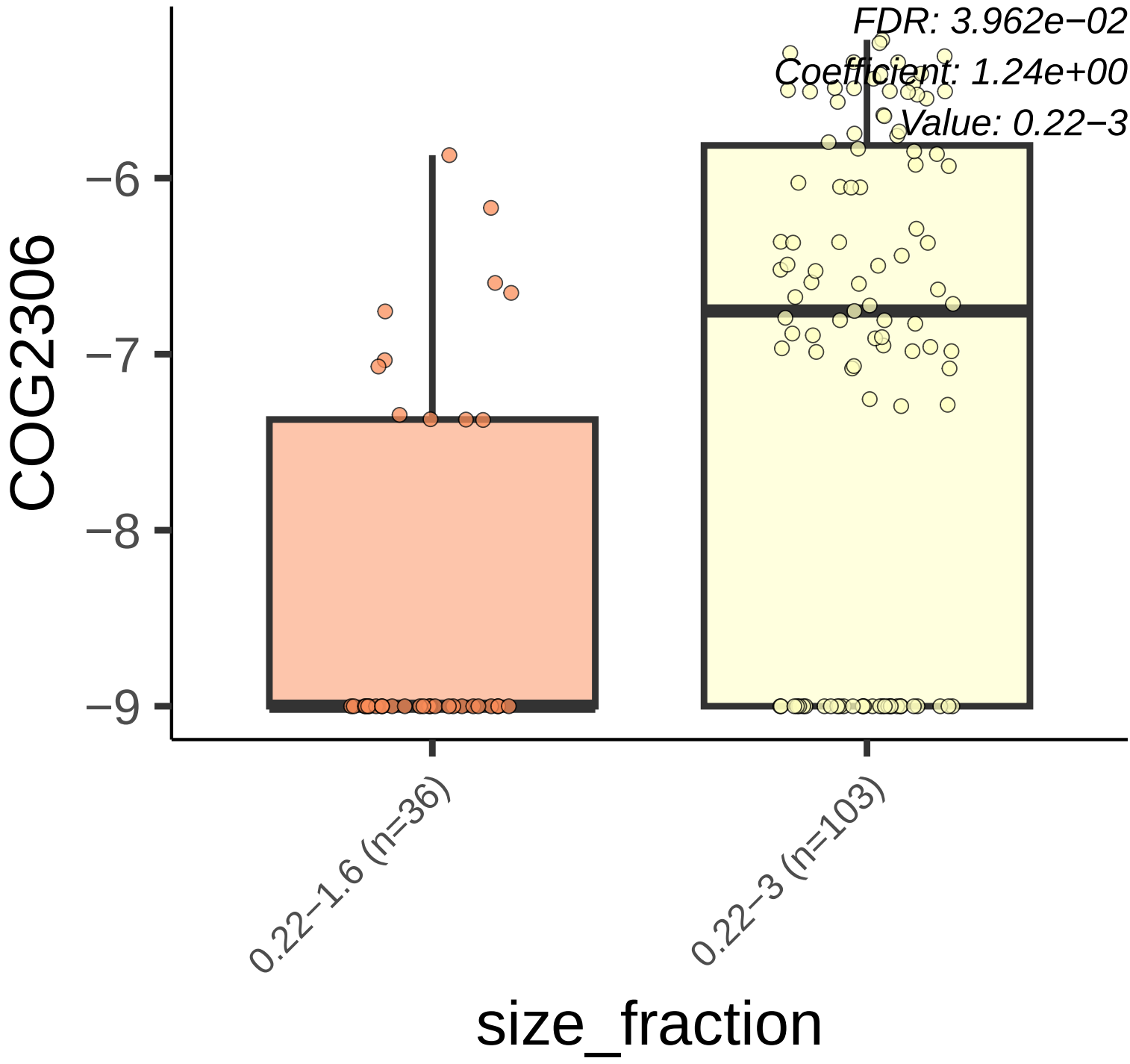

FDR: 3.876e−02
Coefficient: 3.72e−01
Value: 0.22−3
COG3312
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

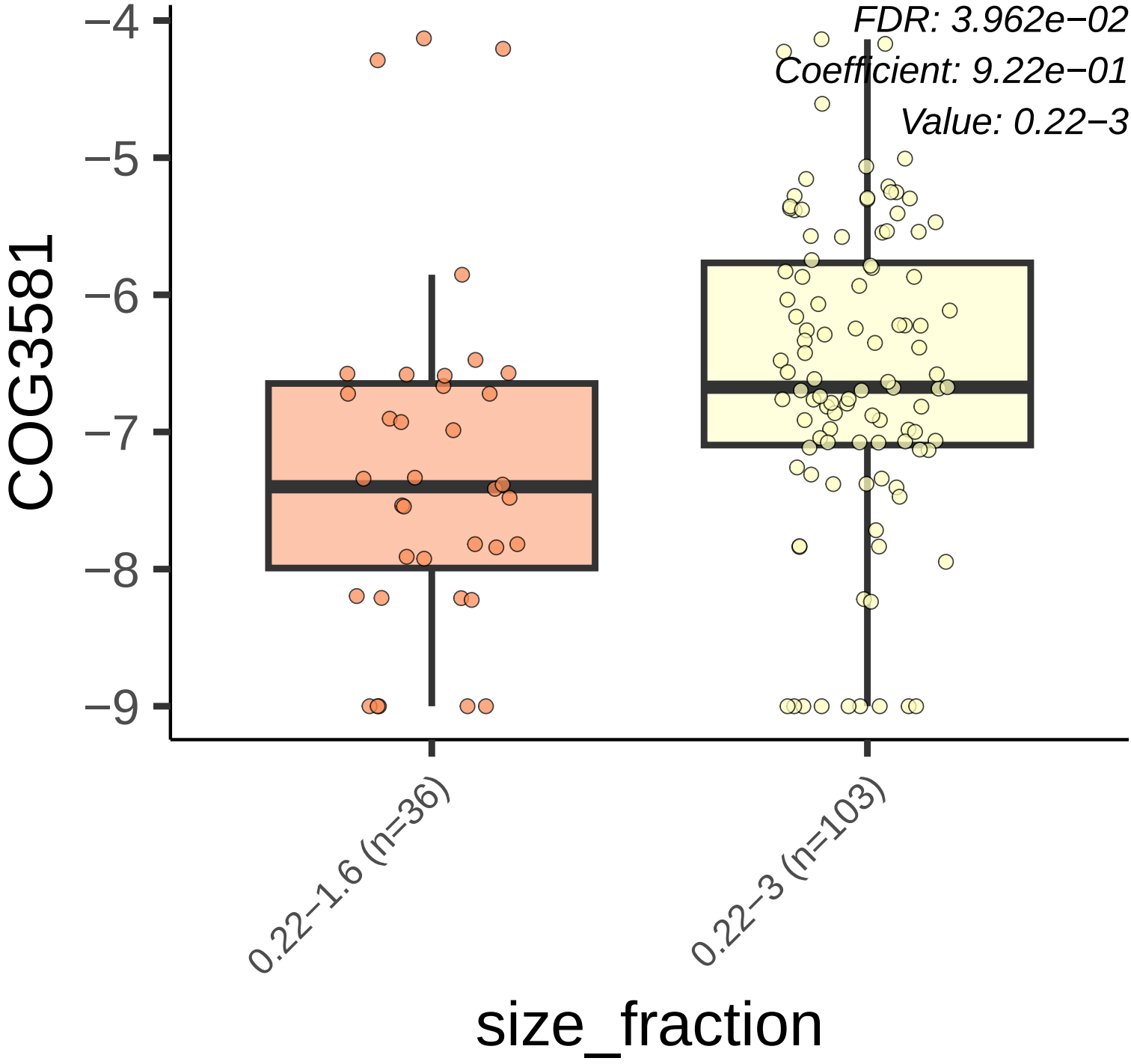

FDR: 3.882e−02
Coefficient: 3.26e−01
Value: 0.22−3
COG3318
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

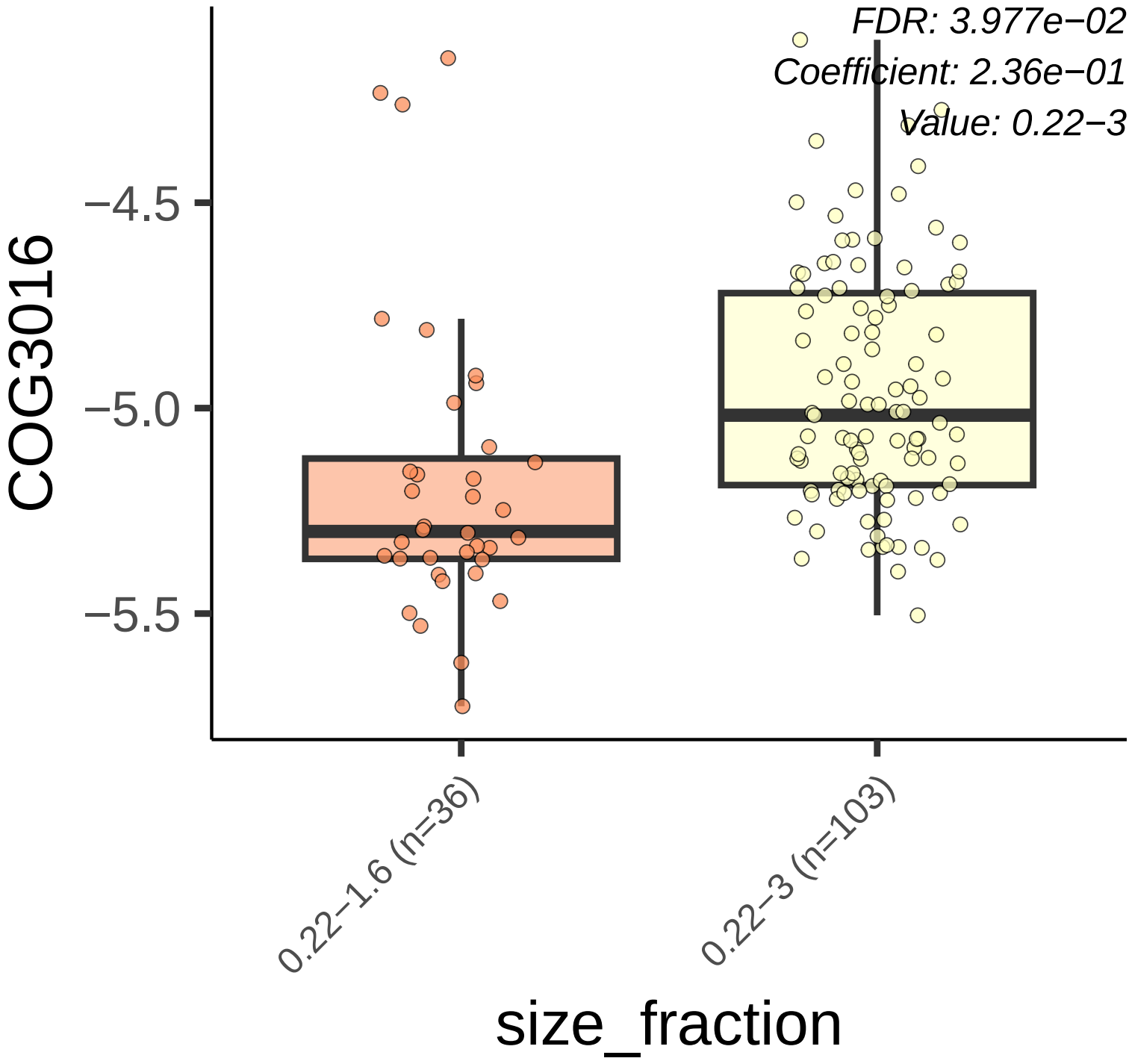

FDR: 3.930e−02
Coefficient: 5.76e−01
Value: 0.22−3
COG4912
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

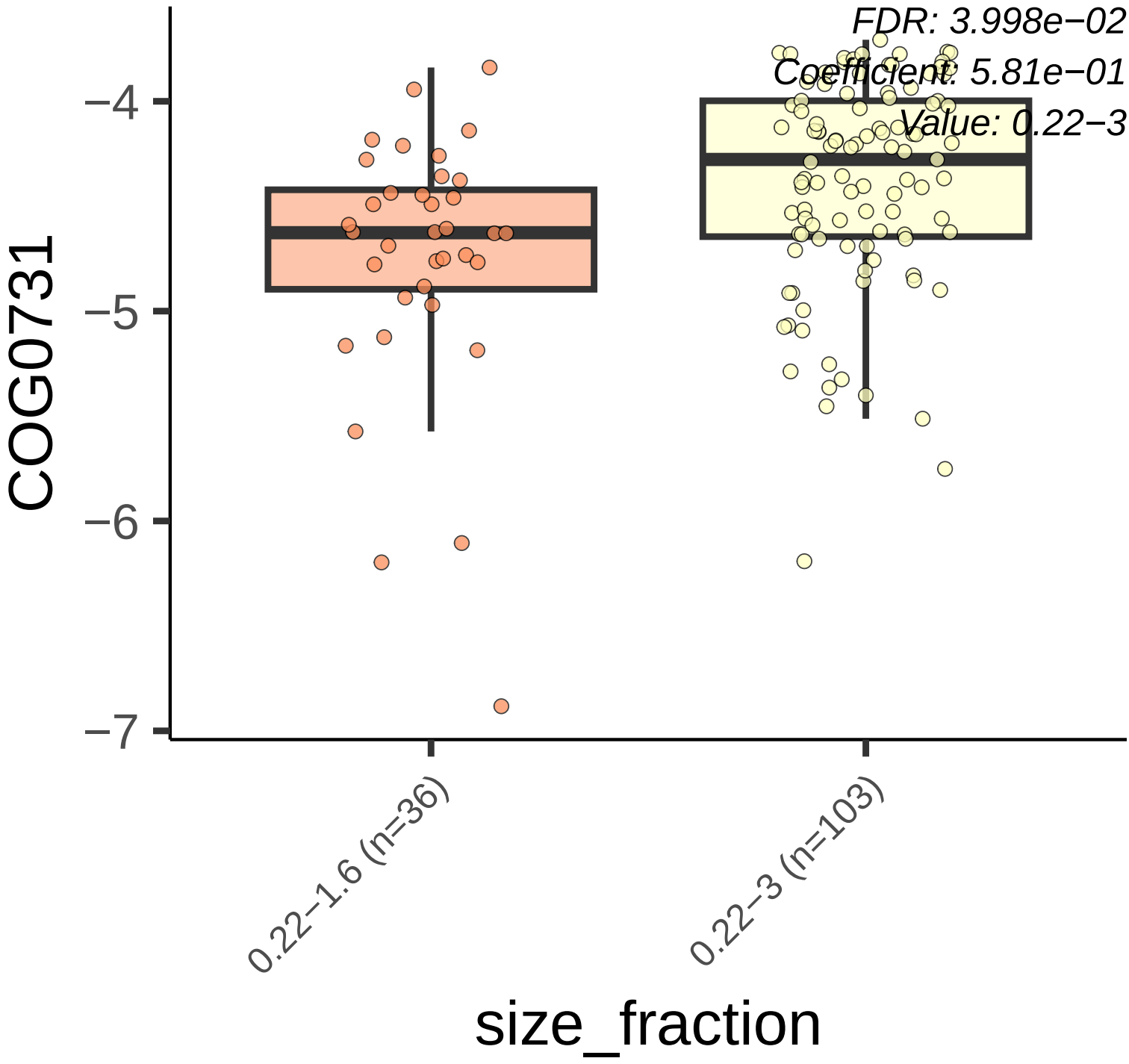

FDR: 3.962e−02
Coefficient: 3.30e−02
Value: 0.22−3
COG0436
−2.65
−2.70
−2.75
−2.80
−2.85
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

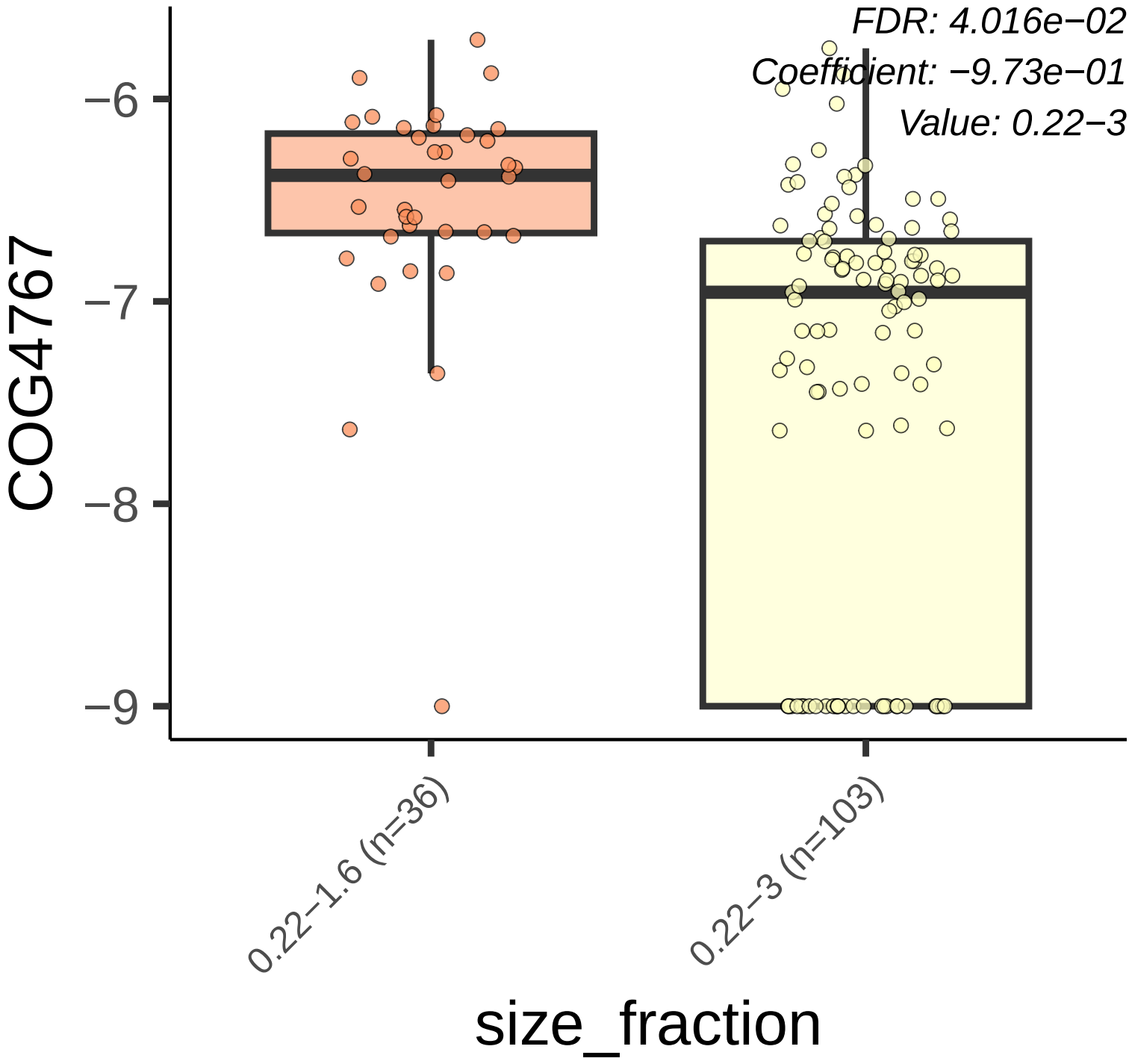

FDR: 3.962e−02
Coefficient: −1.43e−01
Value: 0.22−3
COG0562
−4.00
−4.25
−4.50
−4.75
−5.00
−5.25
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

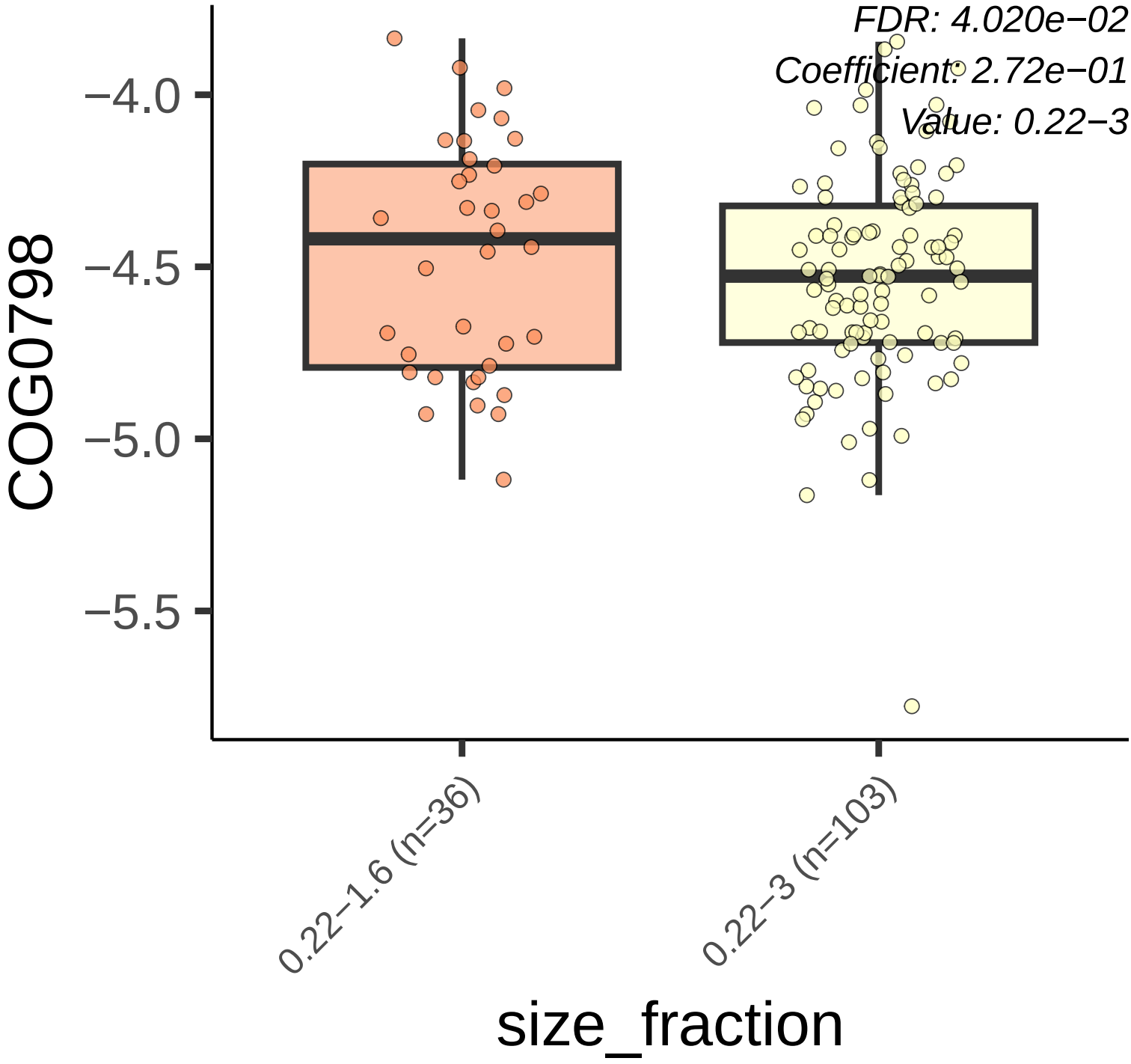

FDR: 3.962e−02
Coefficient: 1.24e+00
Value: 0.22−3
COG2306
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

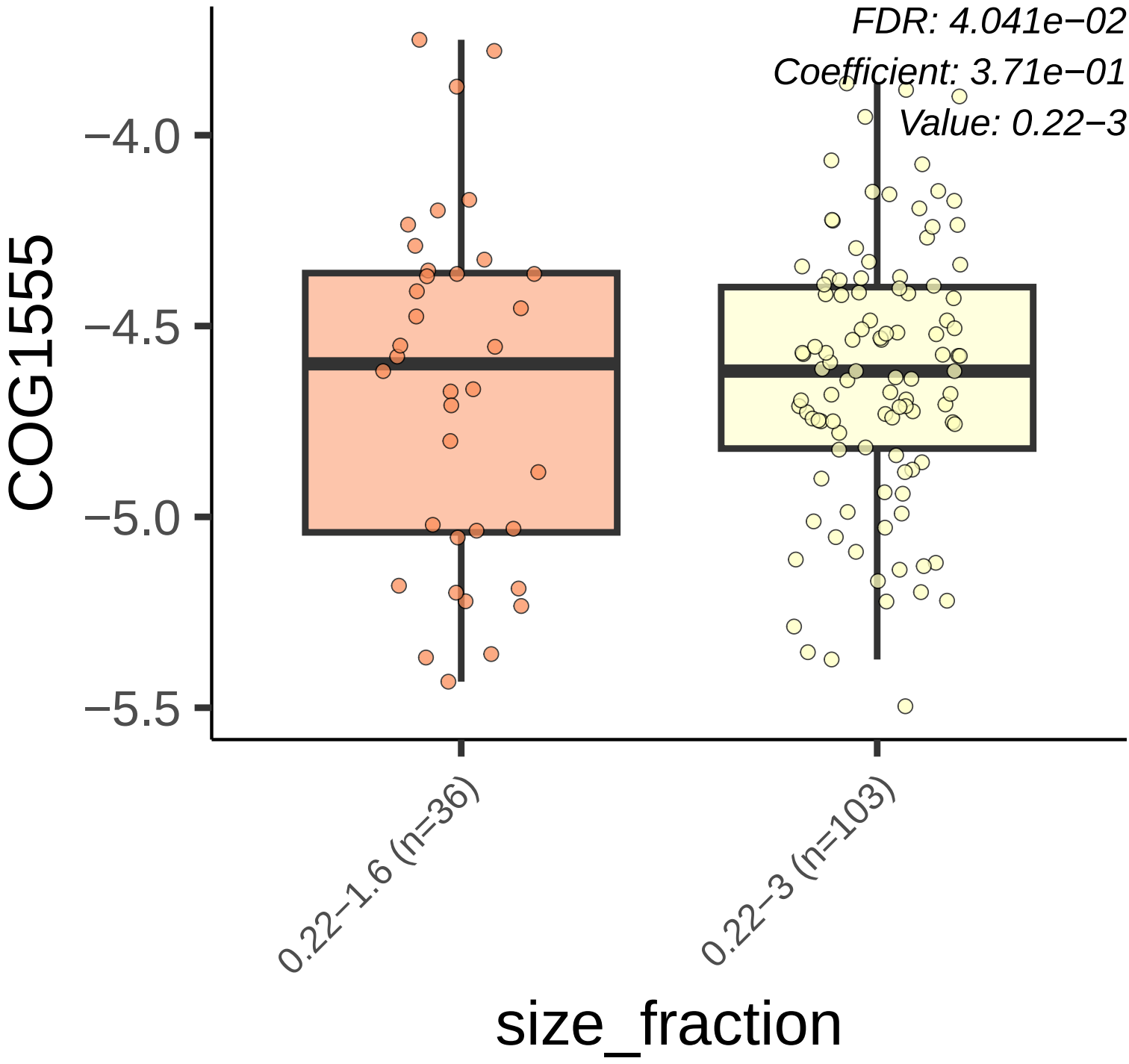

FDR: 3.962e−02
Coefficient: 9.22e−01
Value: 0.22−3
COG3581
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

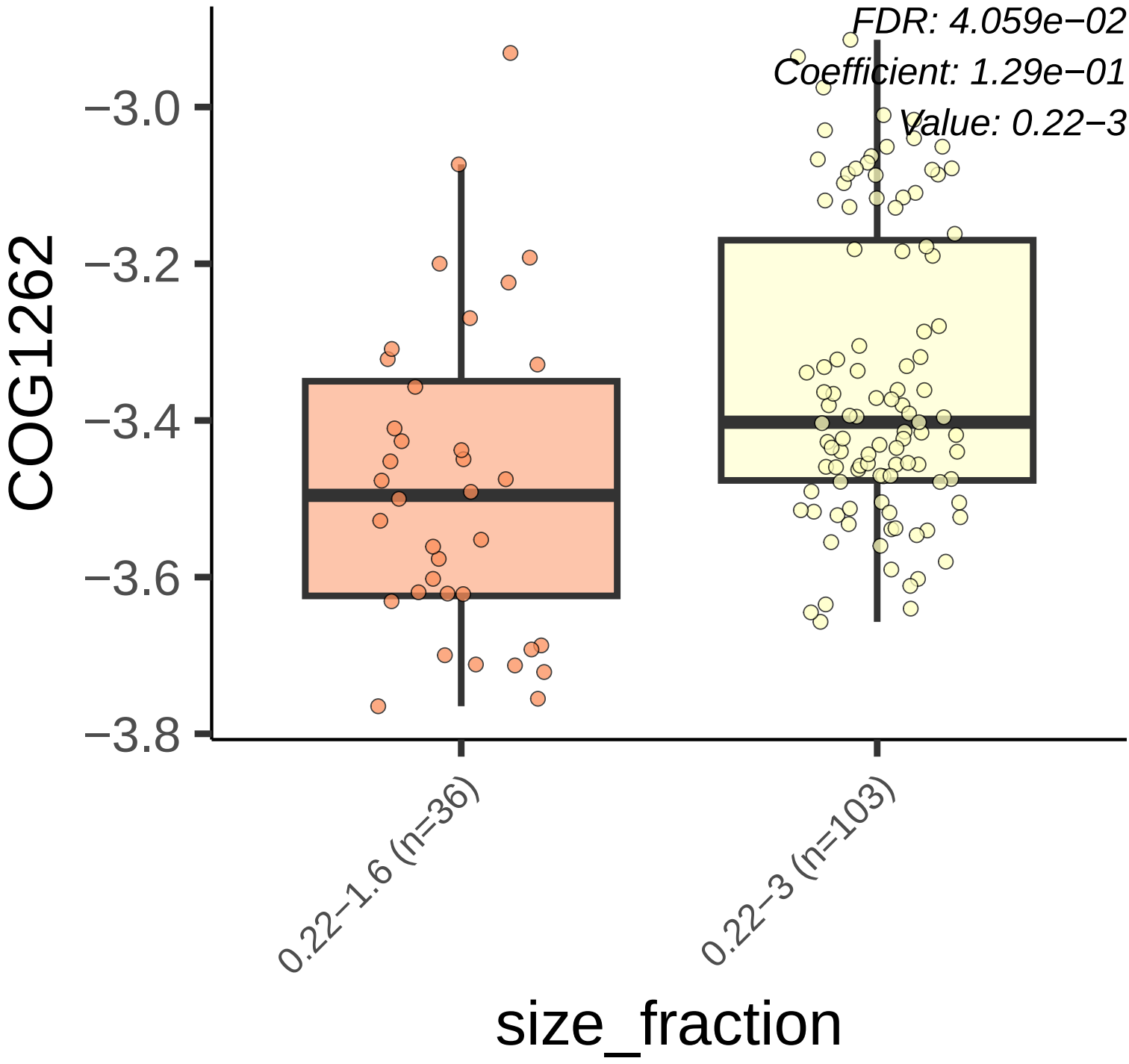

FDR: 3.977e−02
Coefficient: 2.36e−01
Value: 0.22−3
COG3016
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

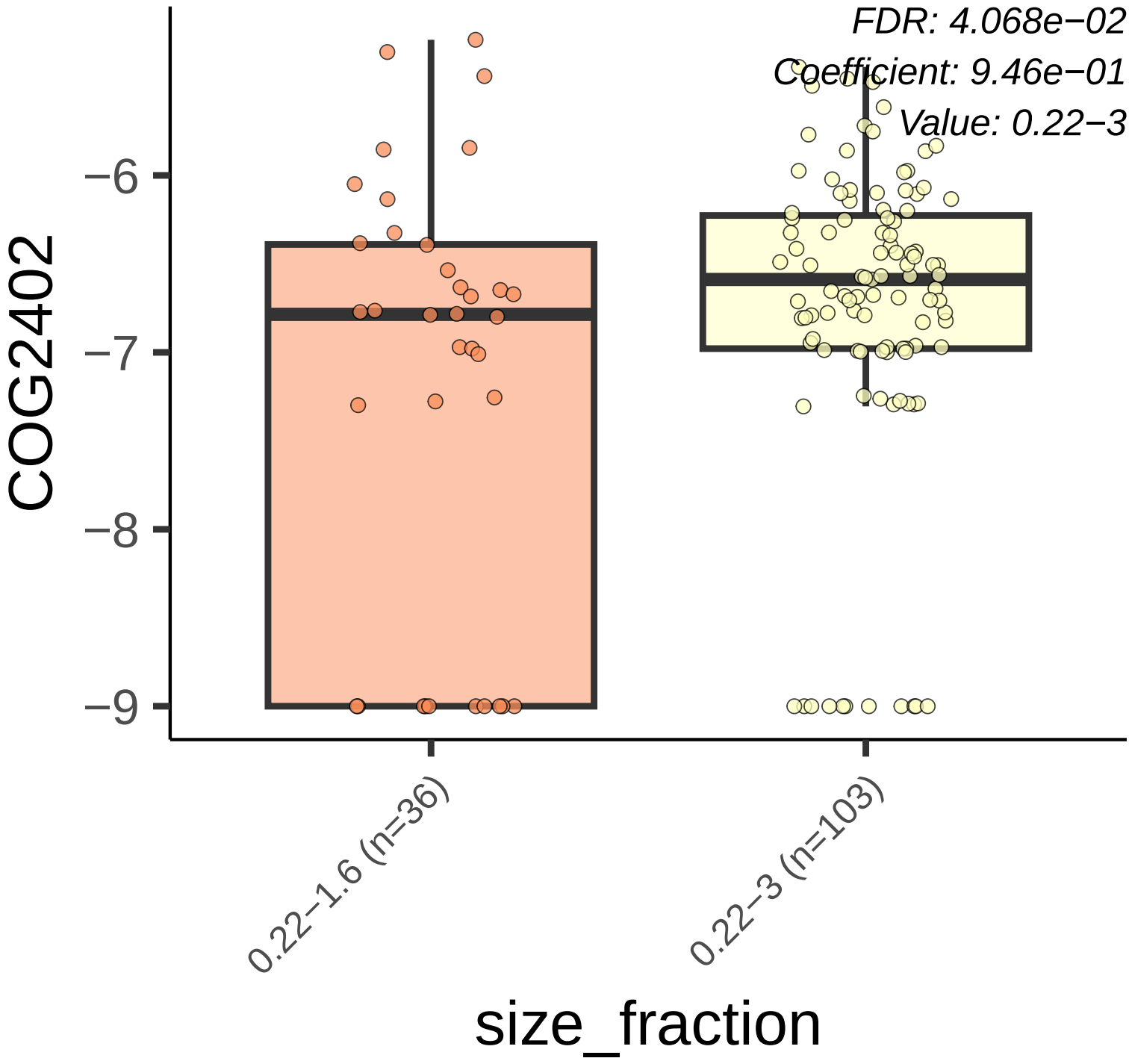

FDR: 3.998e−02
Coefficient: 5.81e−01
Value: 0.22−3
COG0731
−4
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

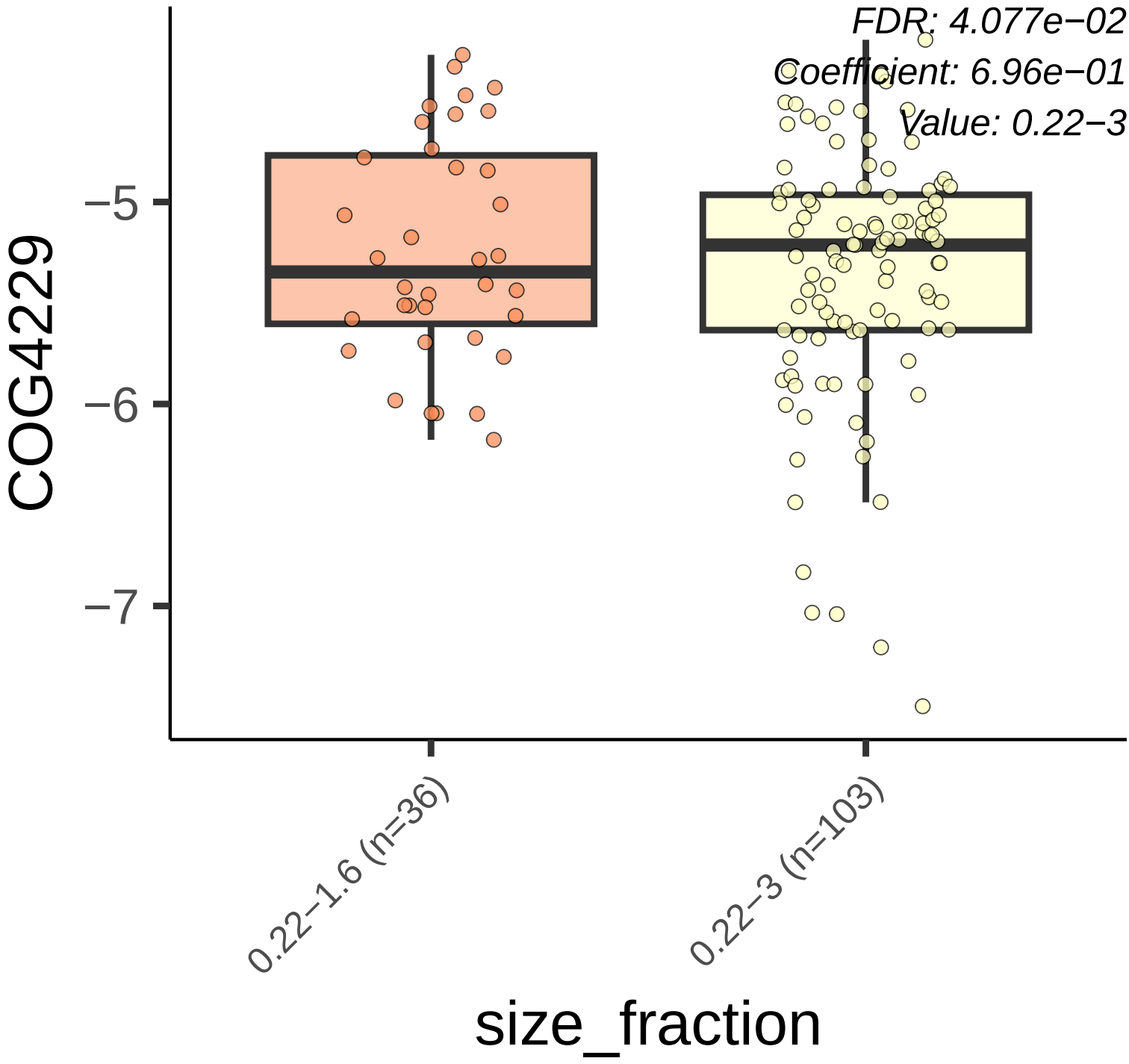

FDR: 4.016e−02
Coefficient: −9.73e−01
Value: 0.22−3
COG4767
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

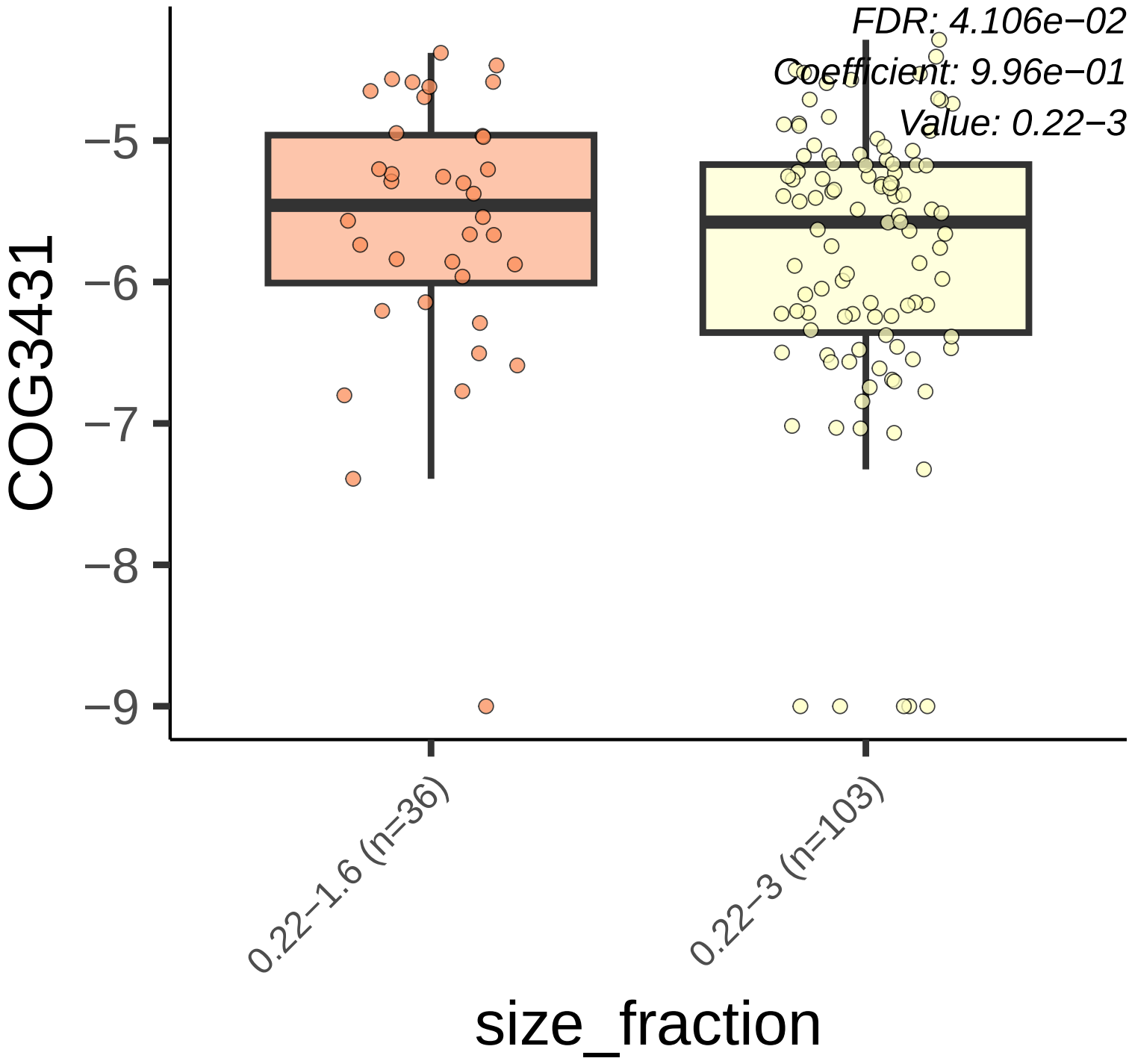

FDR: 4.020e−02
Coefficient: 2.72e−01
Value: 0.22−3
COG0798
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

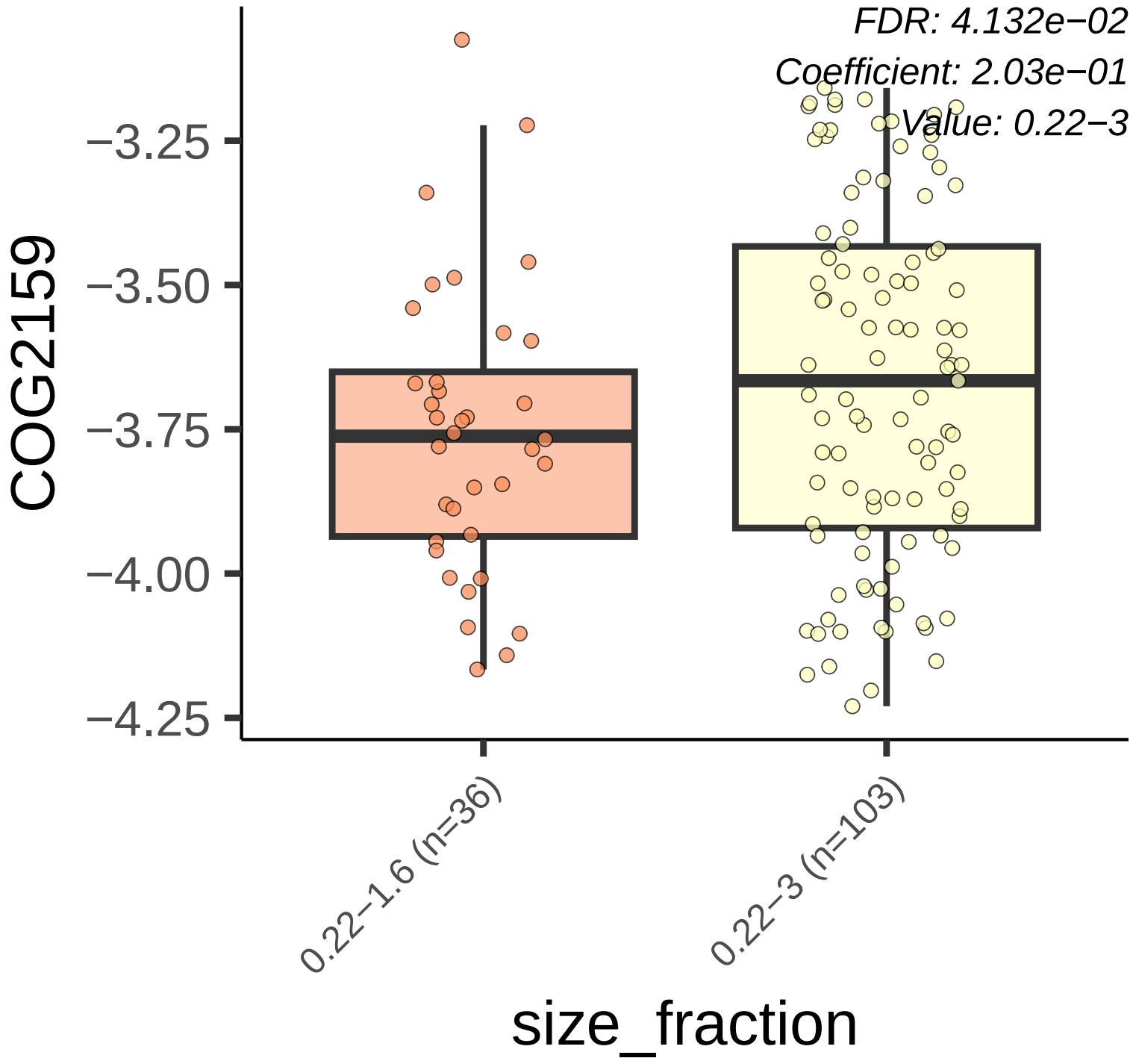

FDR: 4.041e−02
Coefficient: 3.71e−01
Value: 0.22−3
COG1555
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

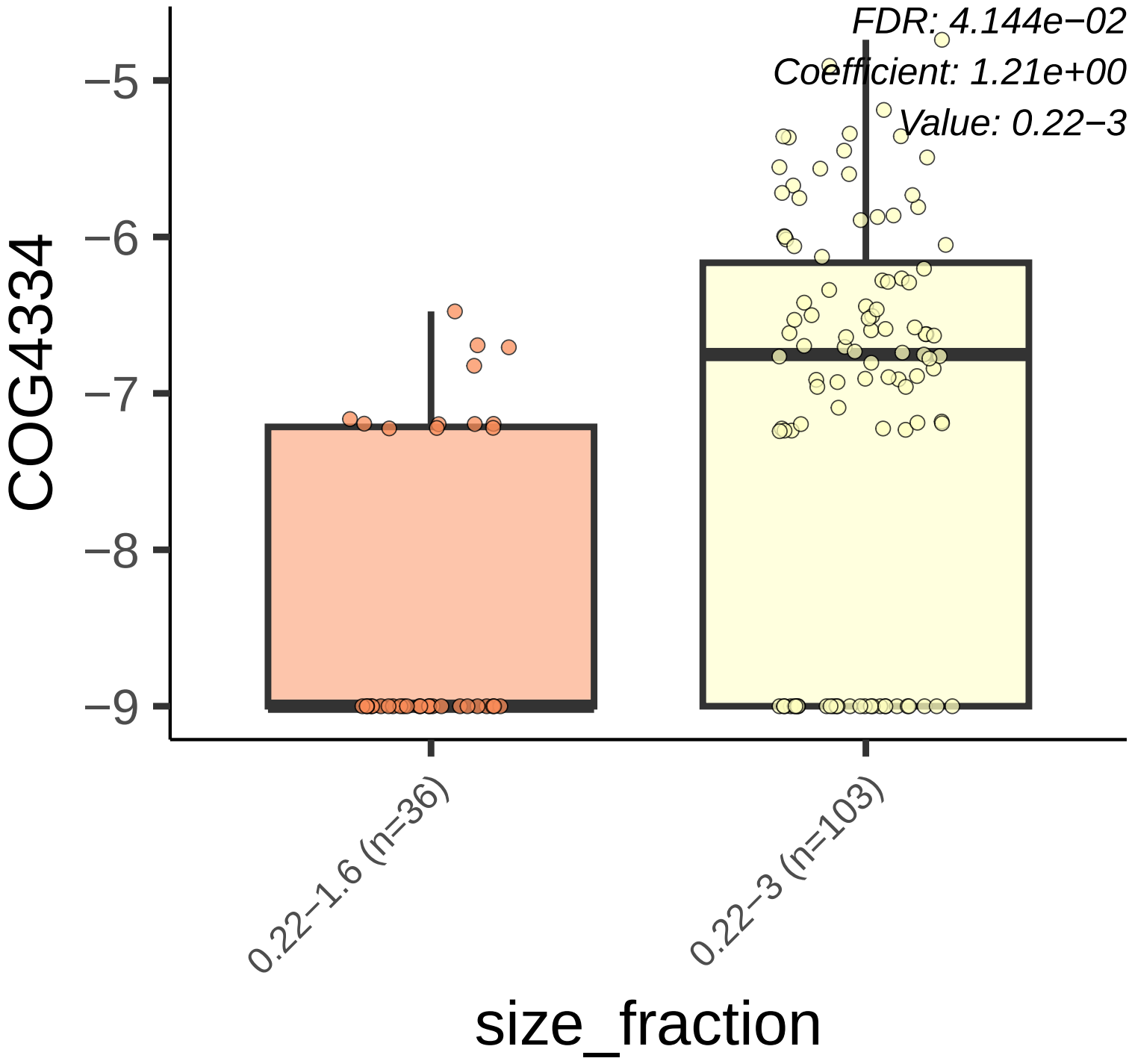

FDR: 4.059e−02
Coefficient: 1.29e−01
Value: 0.22−3
COG1262
−3.0
−3.2
−3.4
−3.6
−3.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

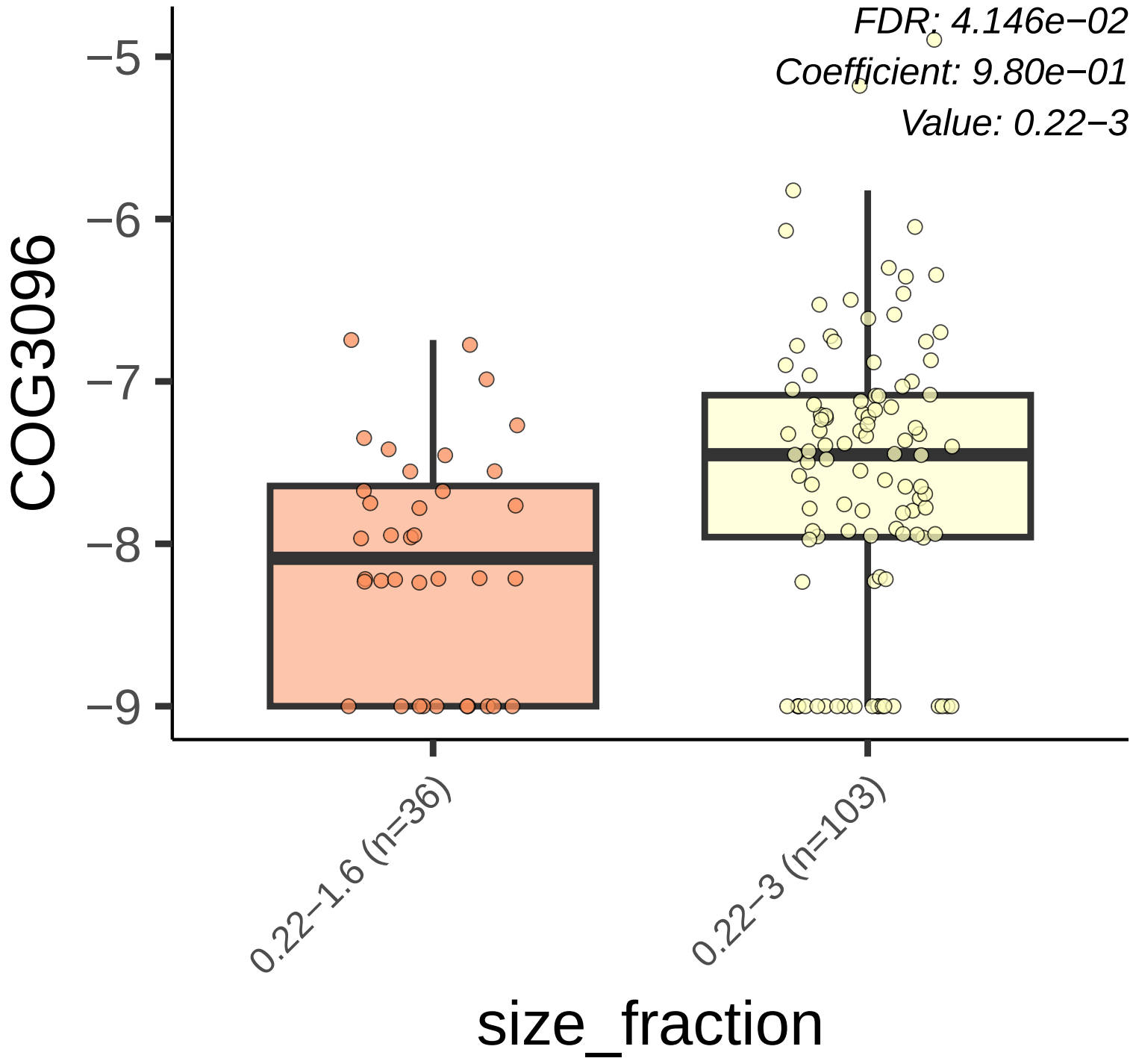

FDR: 4.068e−02
Coefficient: 9.46e−01
Value: 0.22−3
COG2402
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

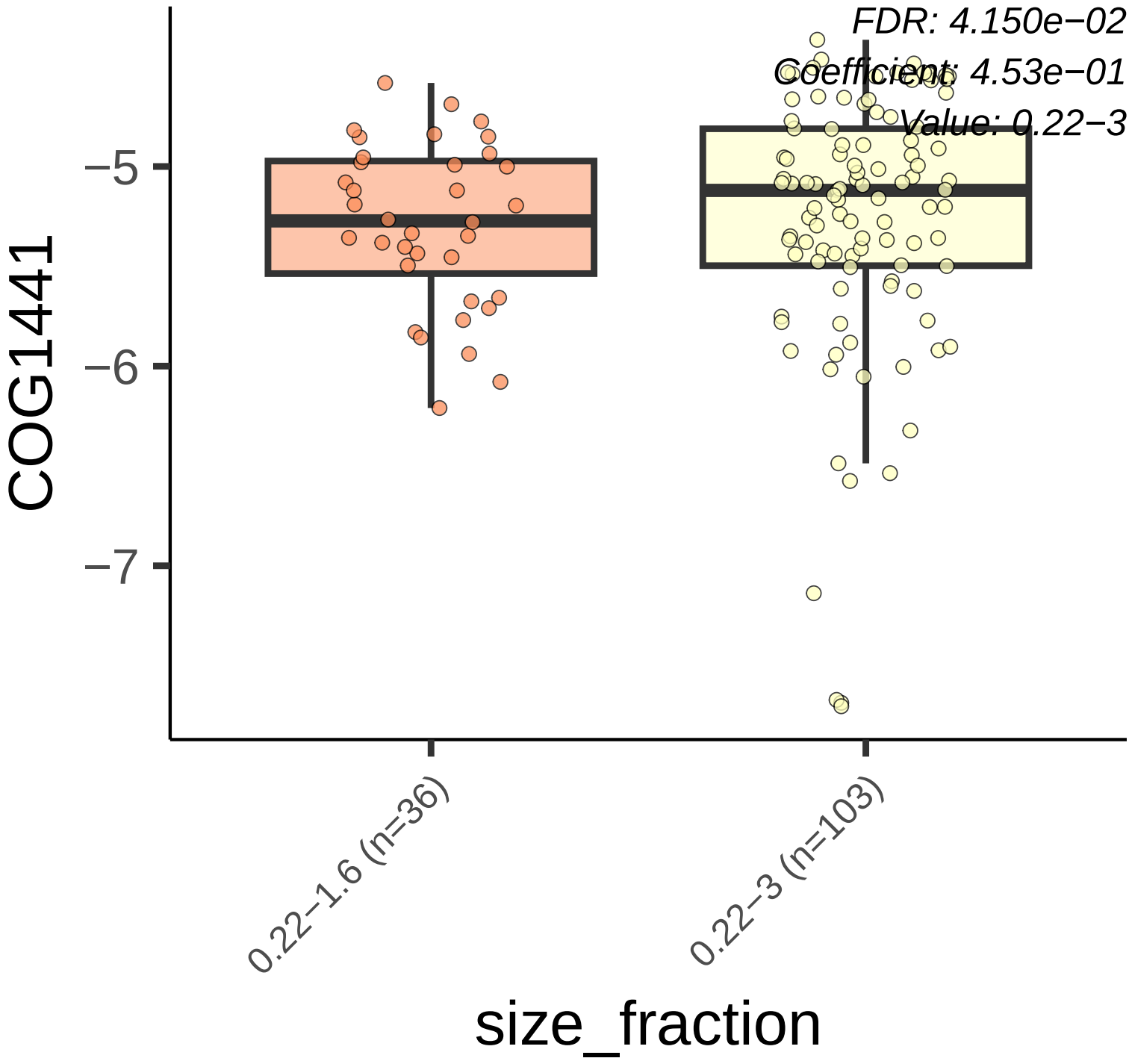

FDR: 4.077e−02
Coefficient: 6.96e−01
Value: 0.22−3
COG4229
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

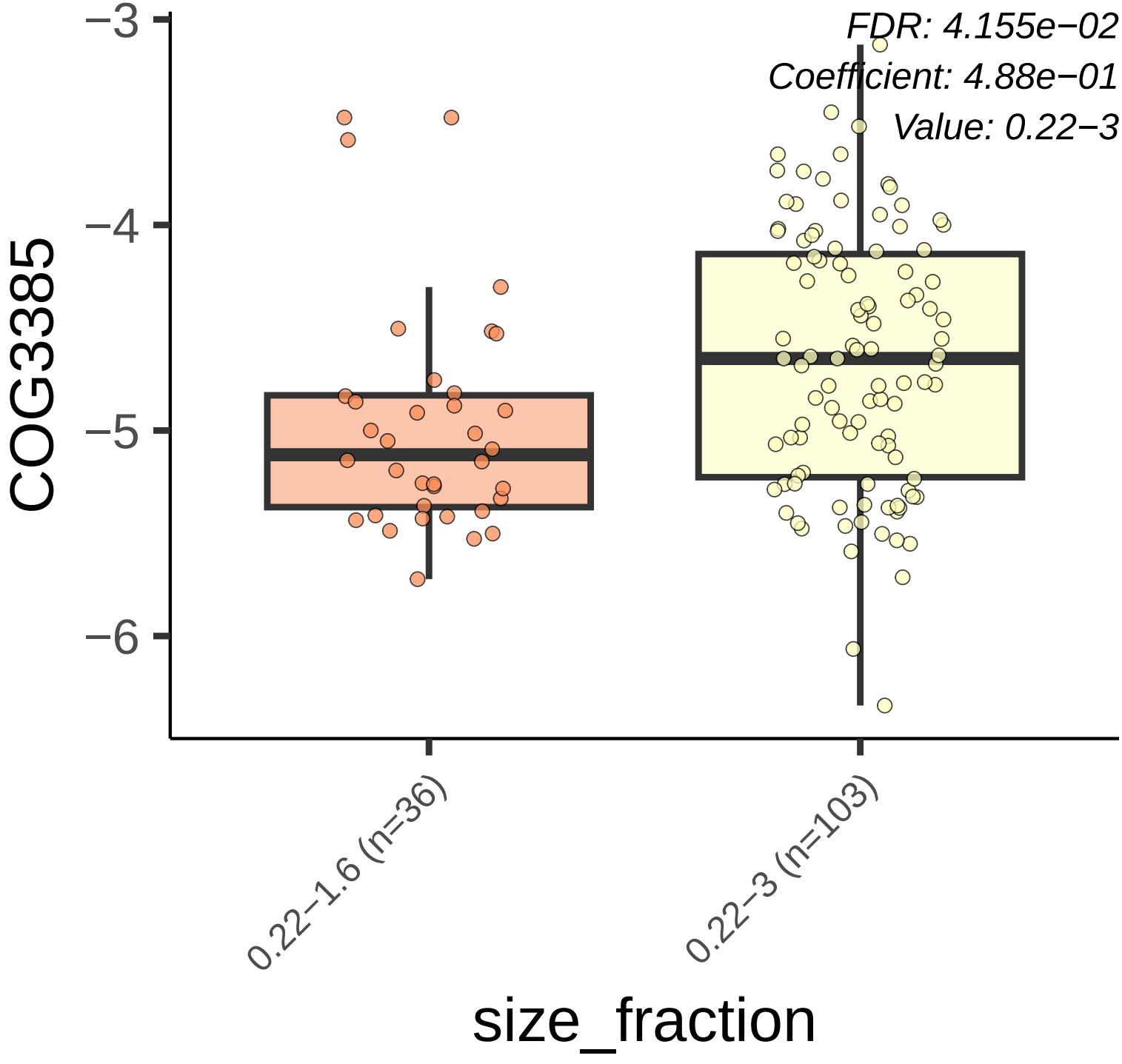

FDR: 4.106e−02
Coefficient: 9.96e−01
Value: 0.22−3
COG3431
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

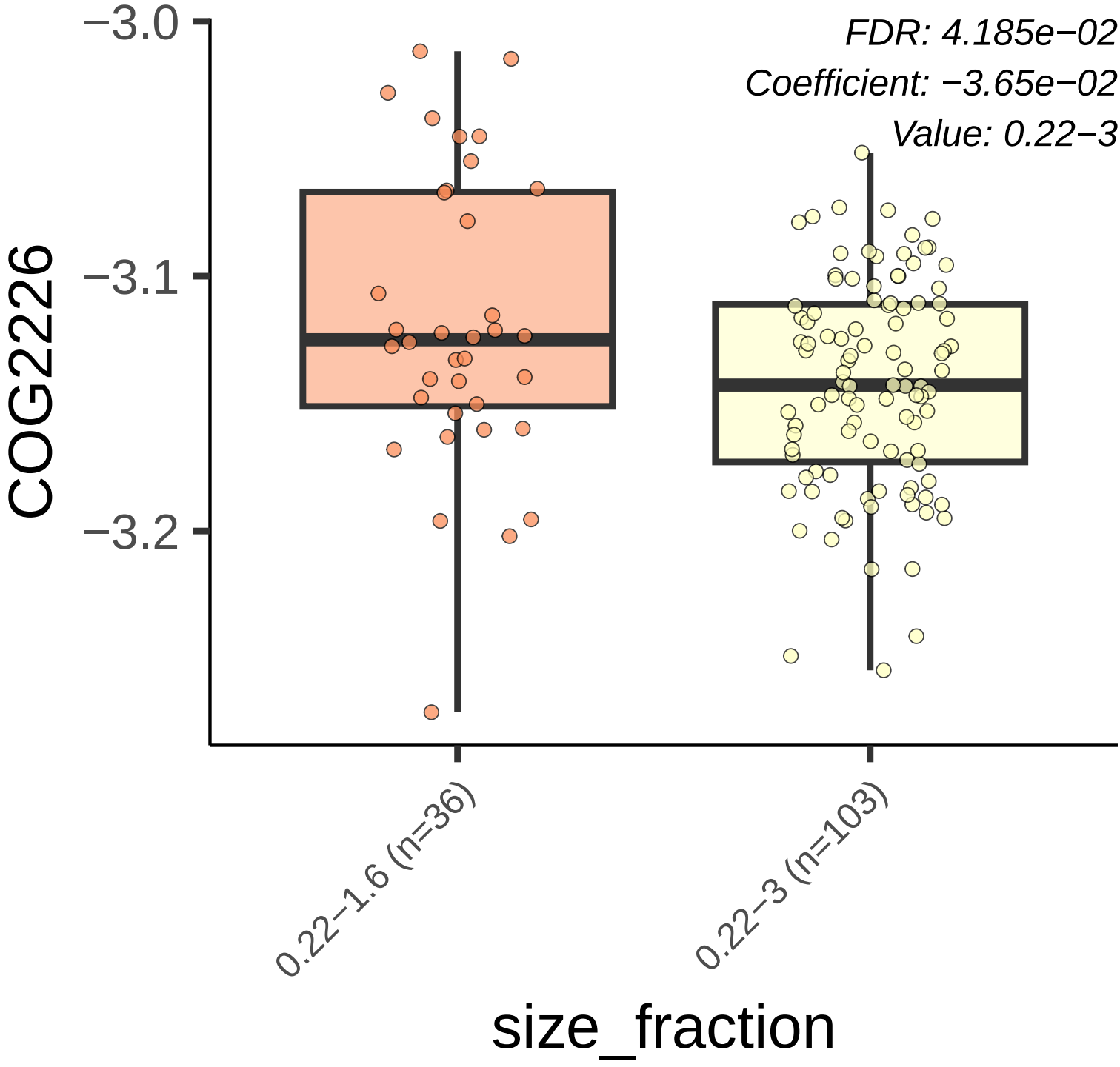

FDR: 4.132e−02
Coefficient: 2.03e−01
Value: 0.22−3
COG2159
−3.25
−3.50
−3.75
−4.00
−4.25
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

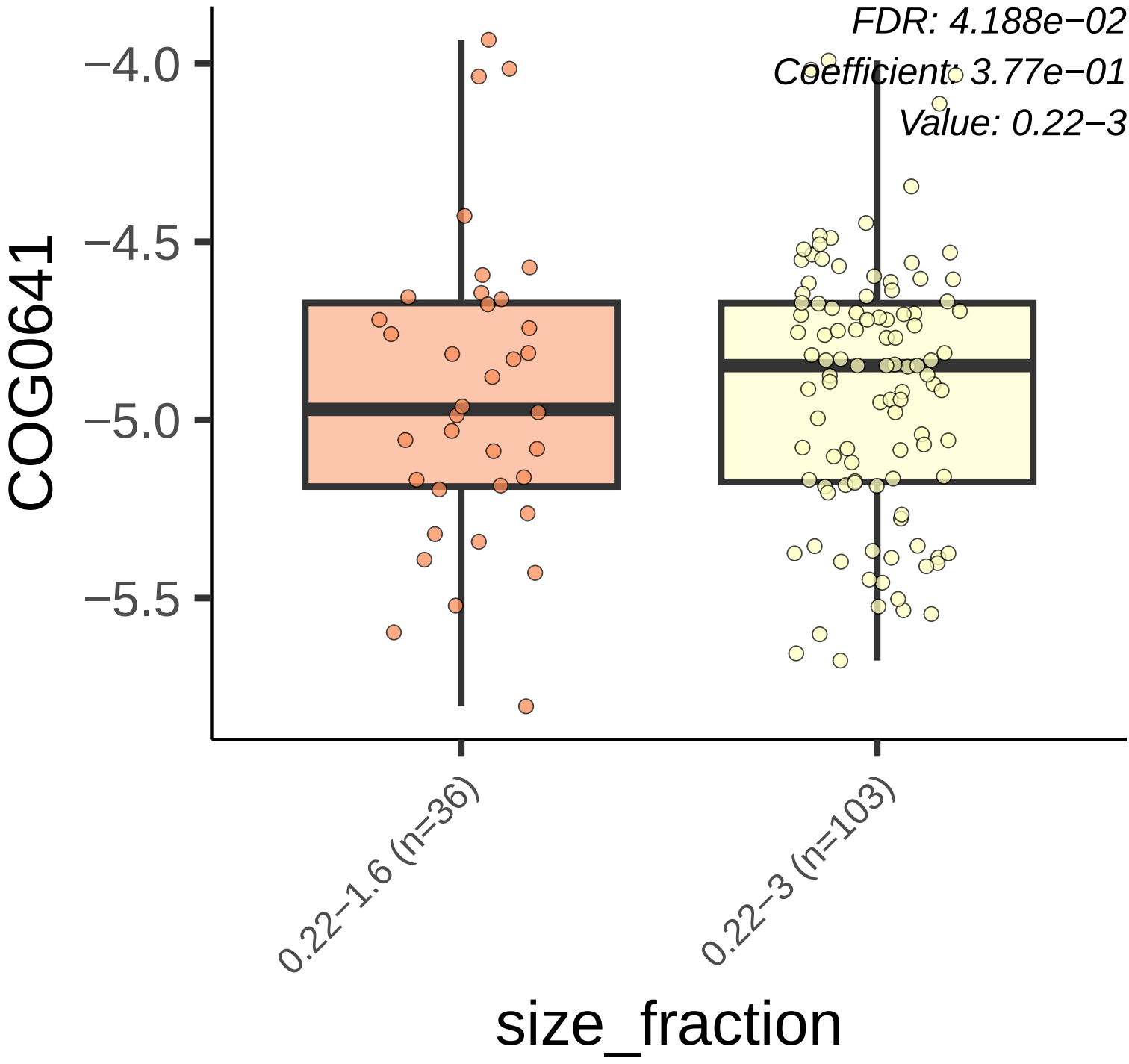

FDR: 4.144e−02
Coefficient: 1.21e+00
Value: 0.22−3
COG4334
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

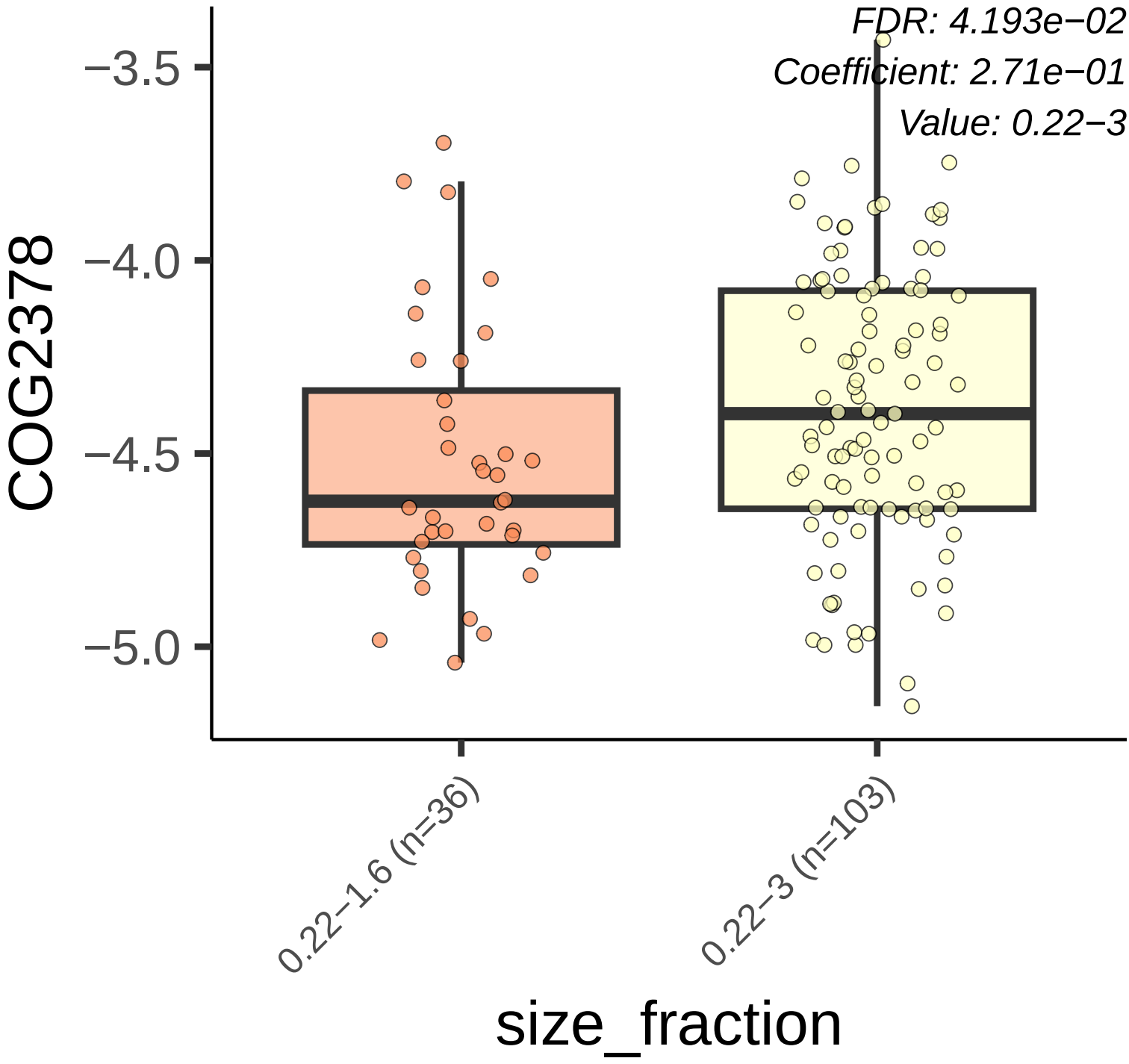

FDR: 4.146e−02
Coefficient: 9.80e−01
Value: 0.22−3
COG3096
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

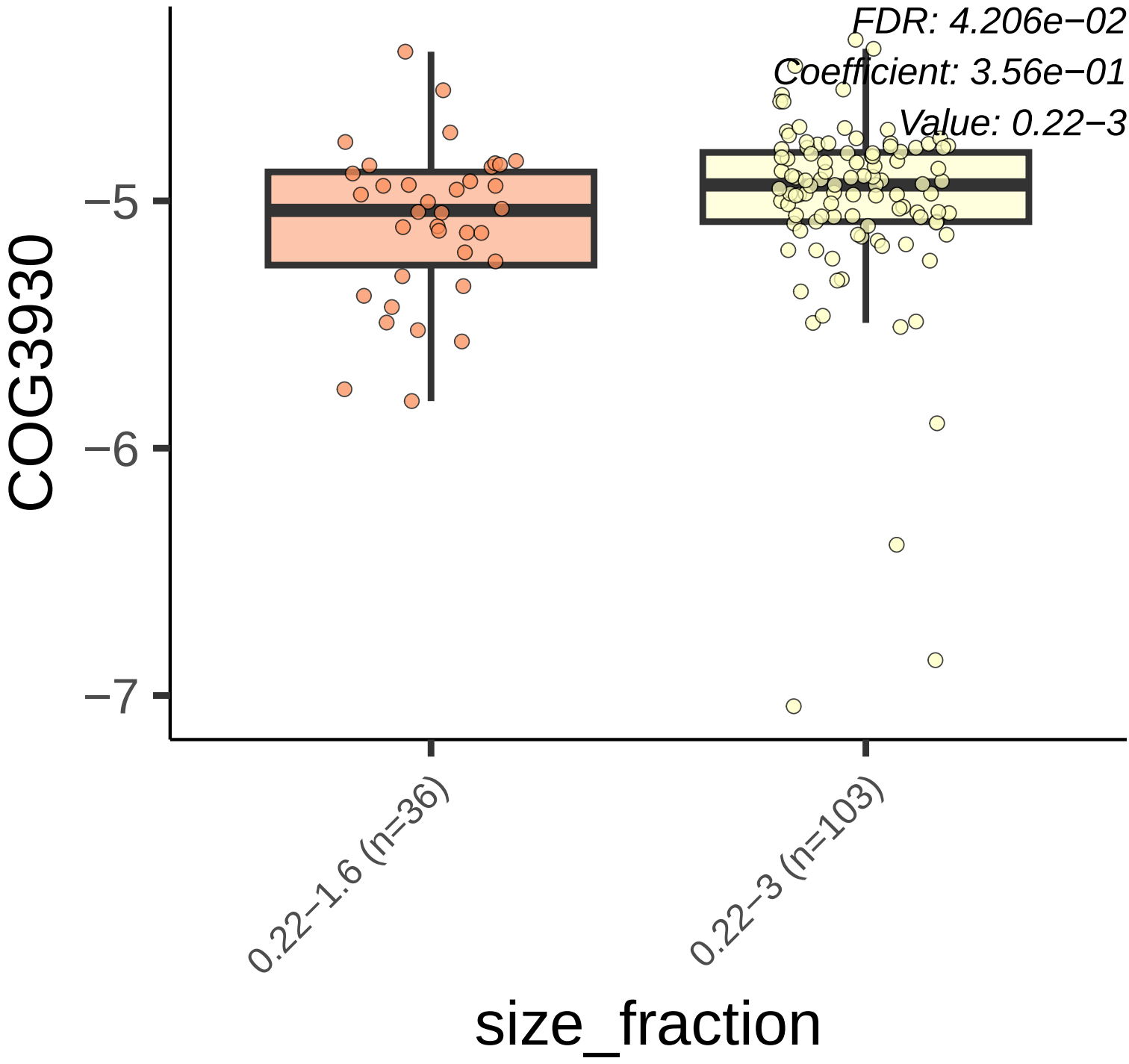

FDR: 4.150e−02
Coefficient: 4.53e−01
Value: 0.22−3
COG1441
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

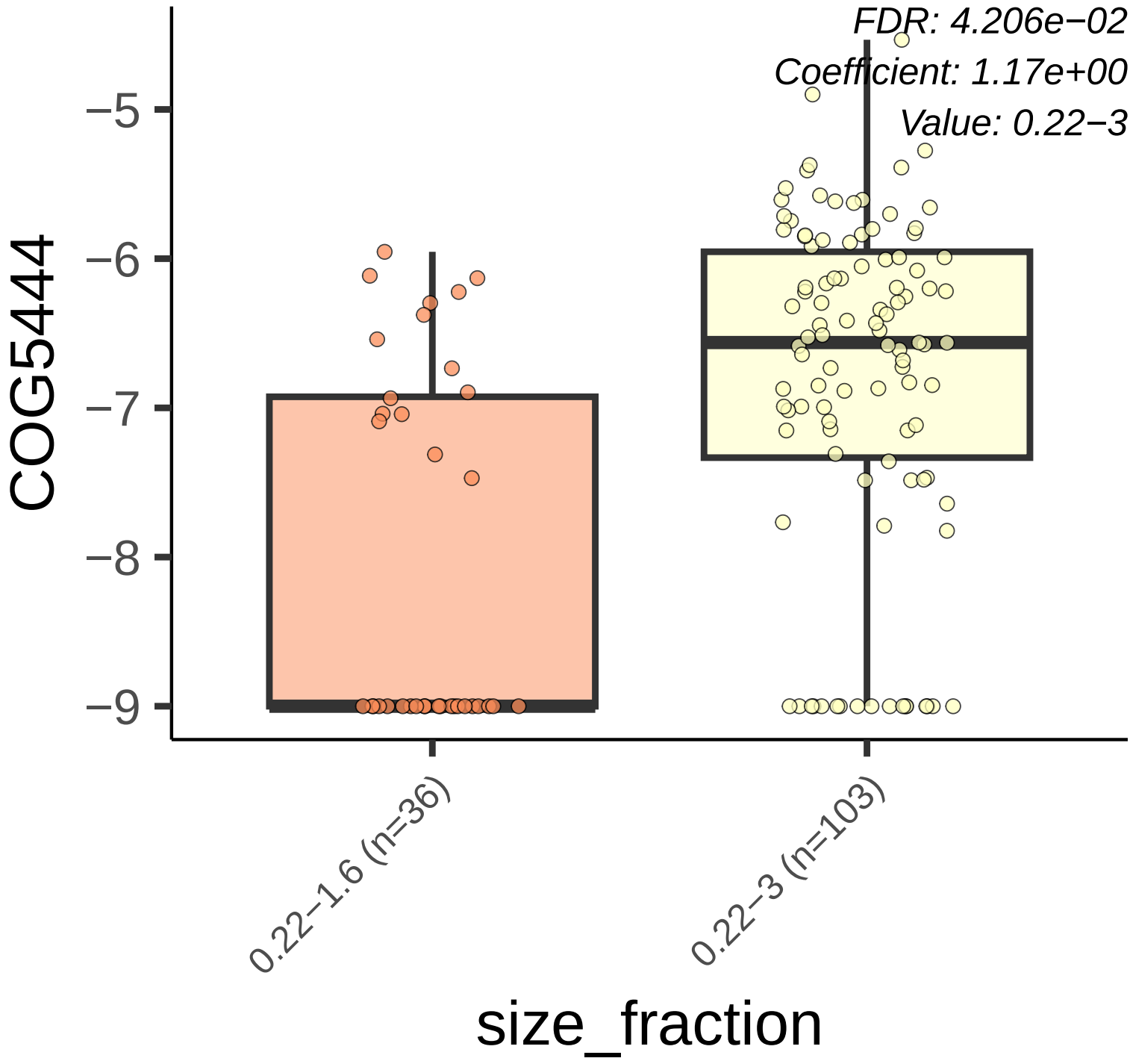

FDR: 4.155e−02
Coefficient: 4.88e−01
Value: 0.22−3
COG3385
−3
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

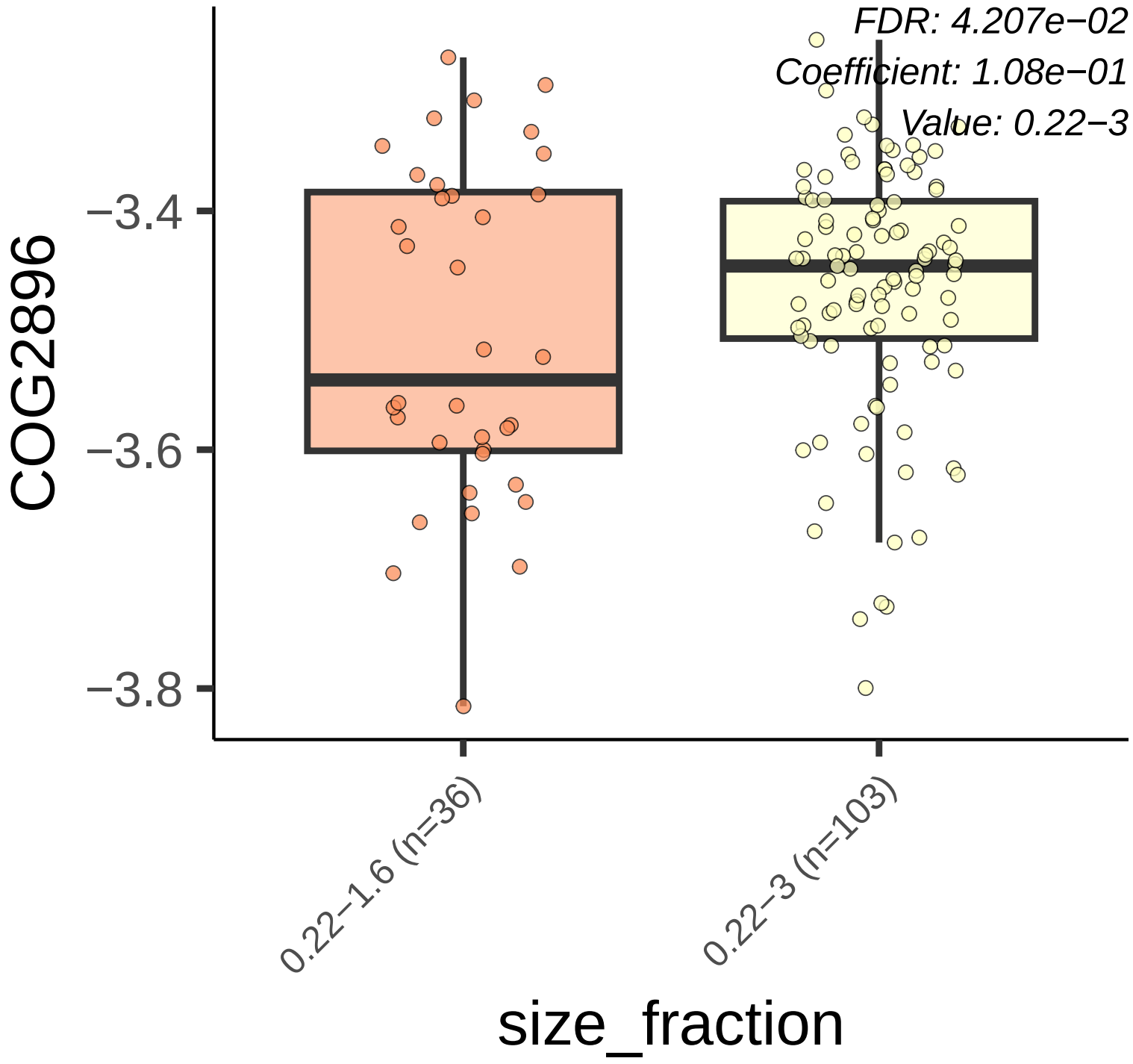

FDR: 4.185e−02
Coefficient: −3.65e−02
Value: 0.22−3
COG2226
−3.0
−3.1
−3.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

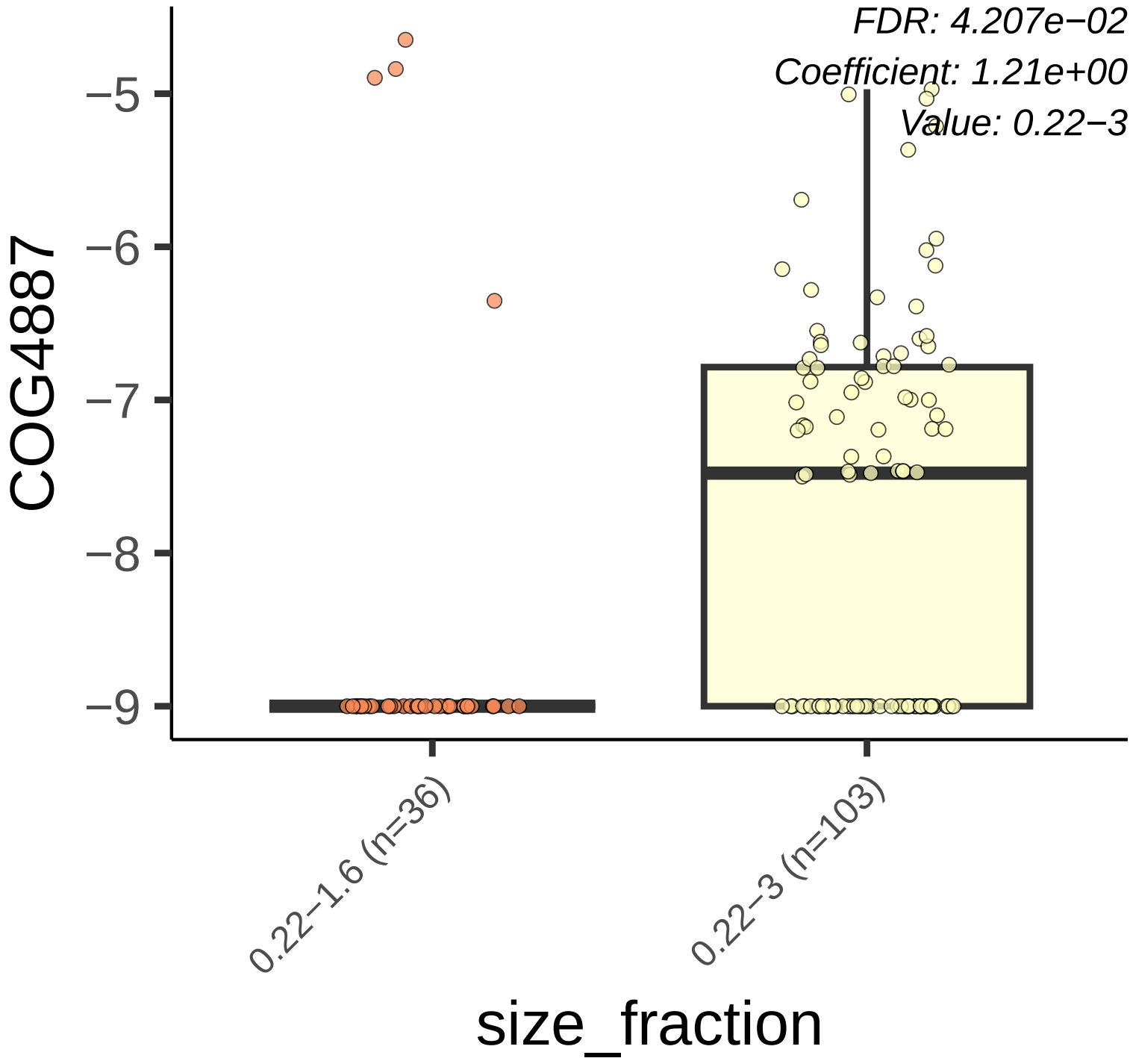

FDR: 4.188e−02
Coefficient: 3.77e−01
Value: 0.22−3
COG0641
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

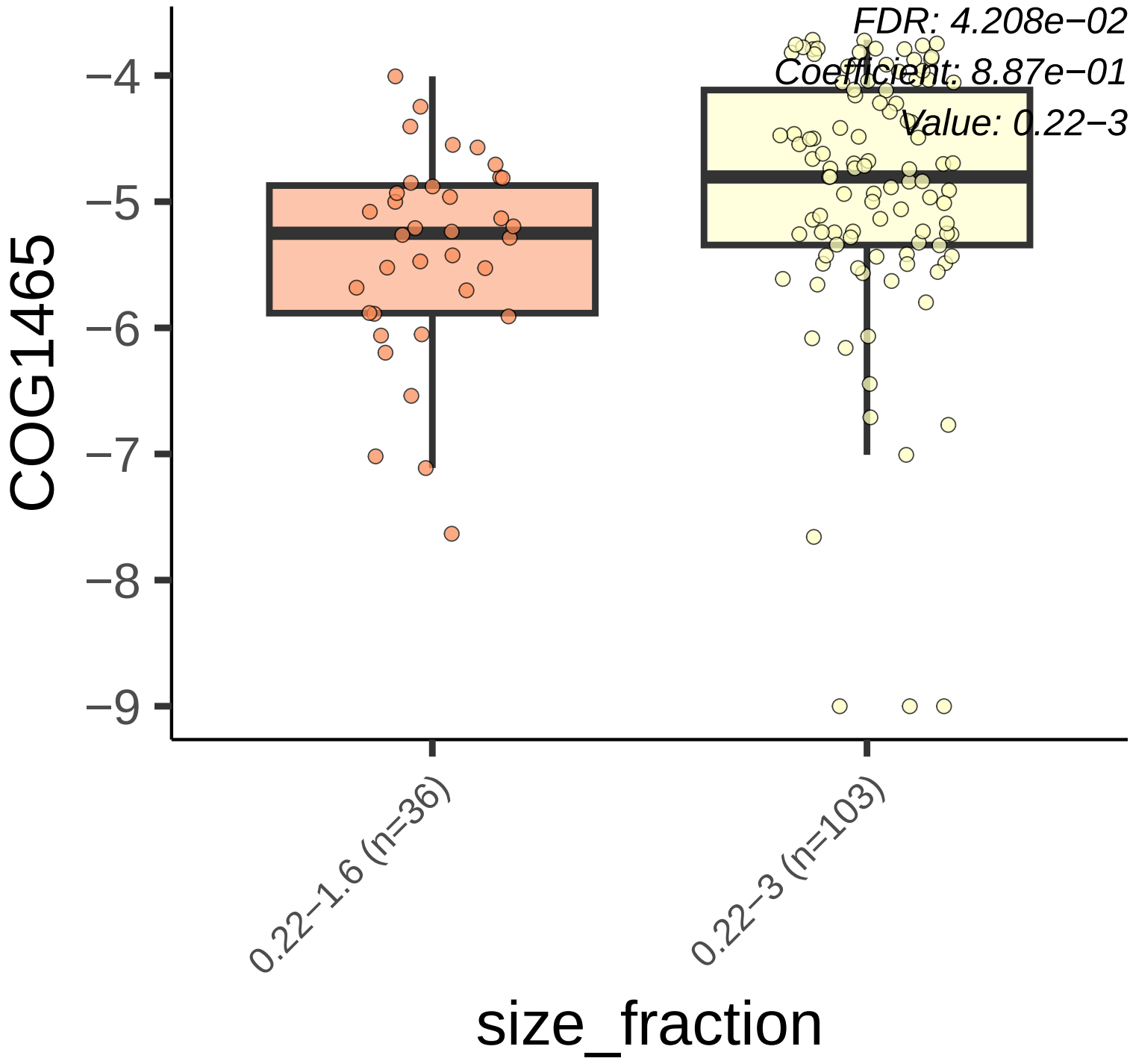

FDR: 4.193e−02
Coefficient: 2.71e−01
Value: 0.22−3
COG2378
−3.5
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

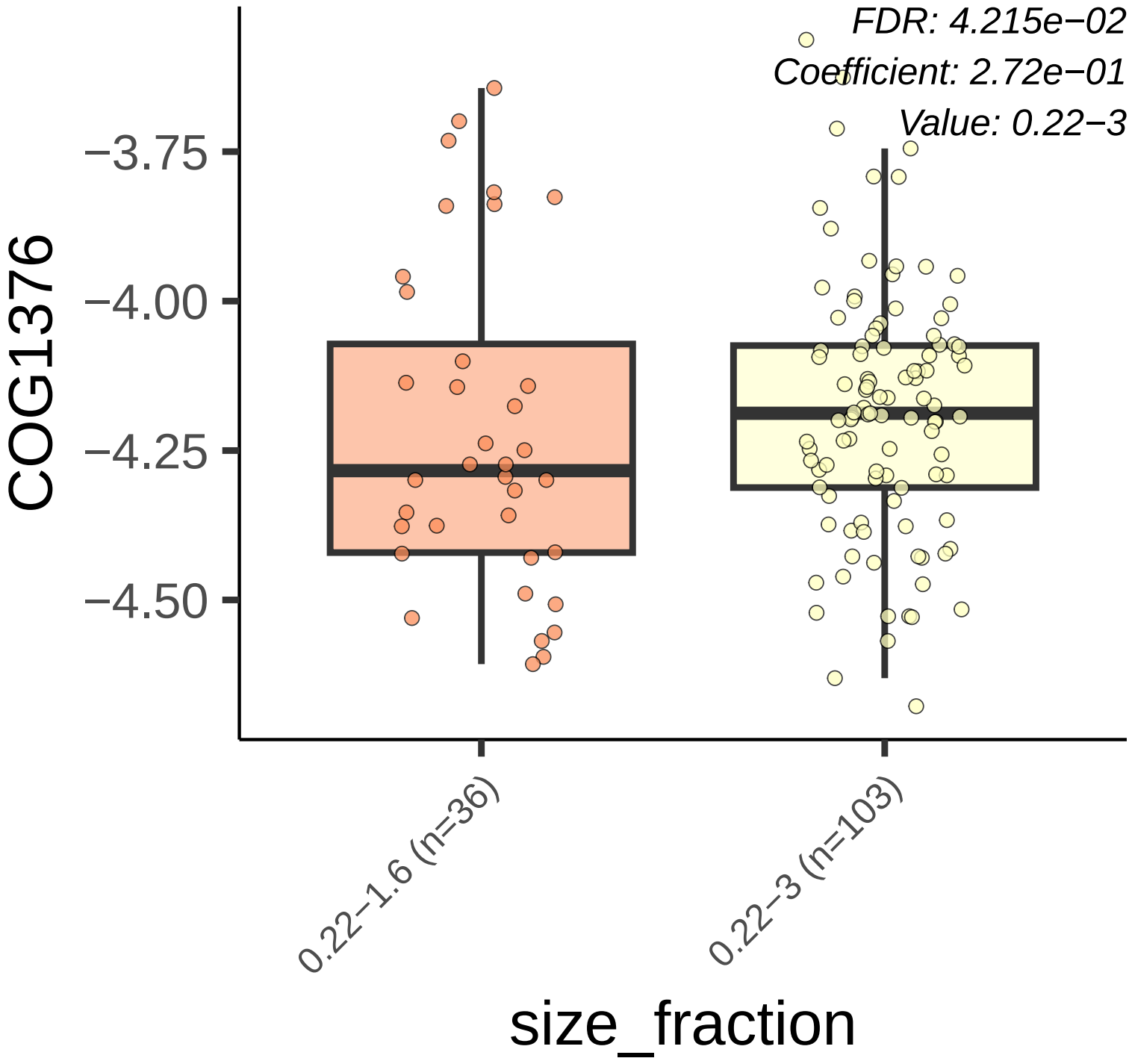

FDR: 4.206e−02
Coefficient: 3.56e−01
Value: 0.22−3
COG3930
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

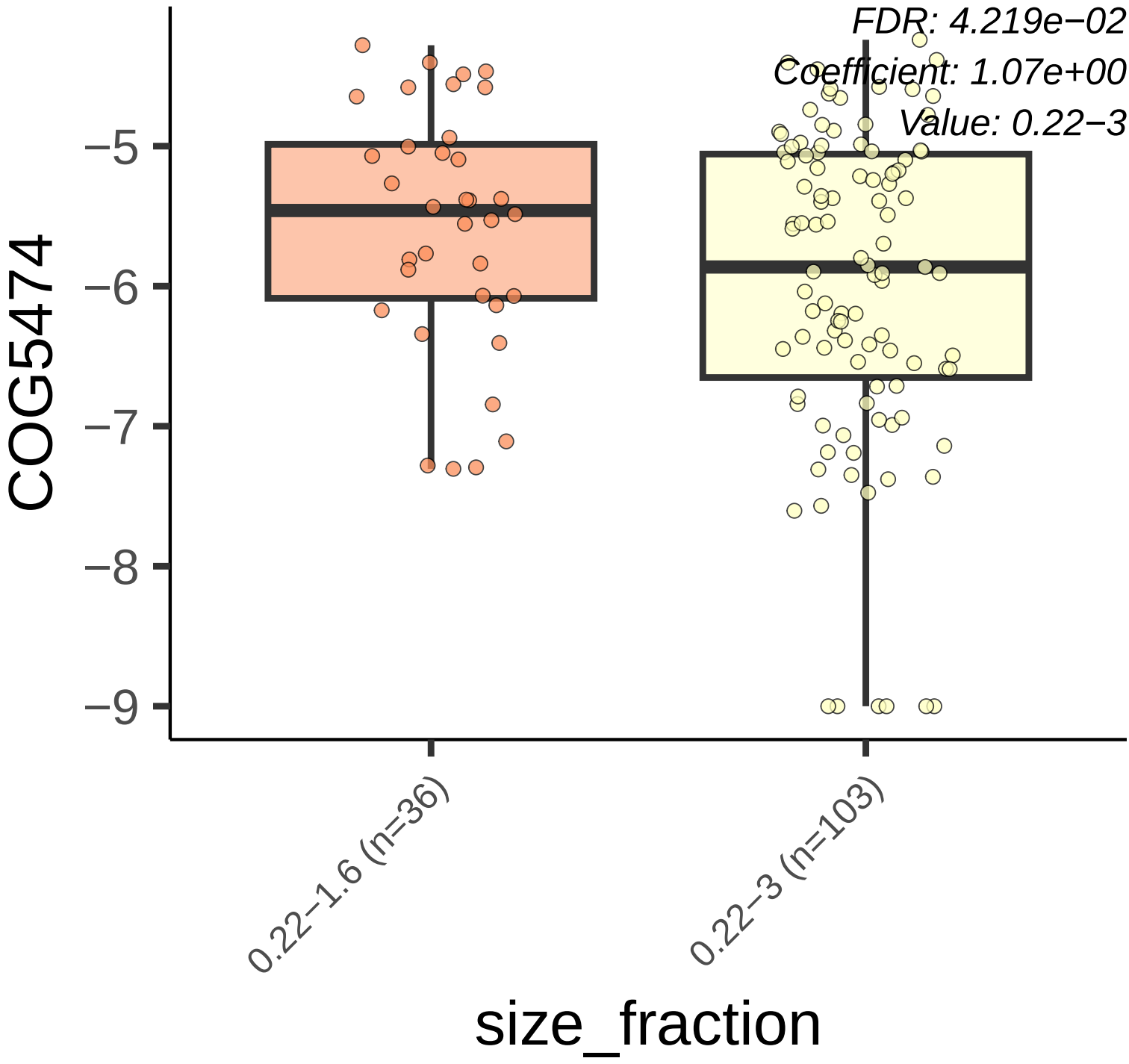

FDR: 4.206e−02
Coefficient: 1.17e+00
Value: 0.22−3
COG5444
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

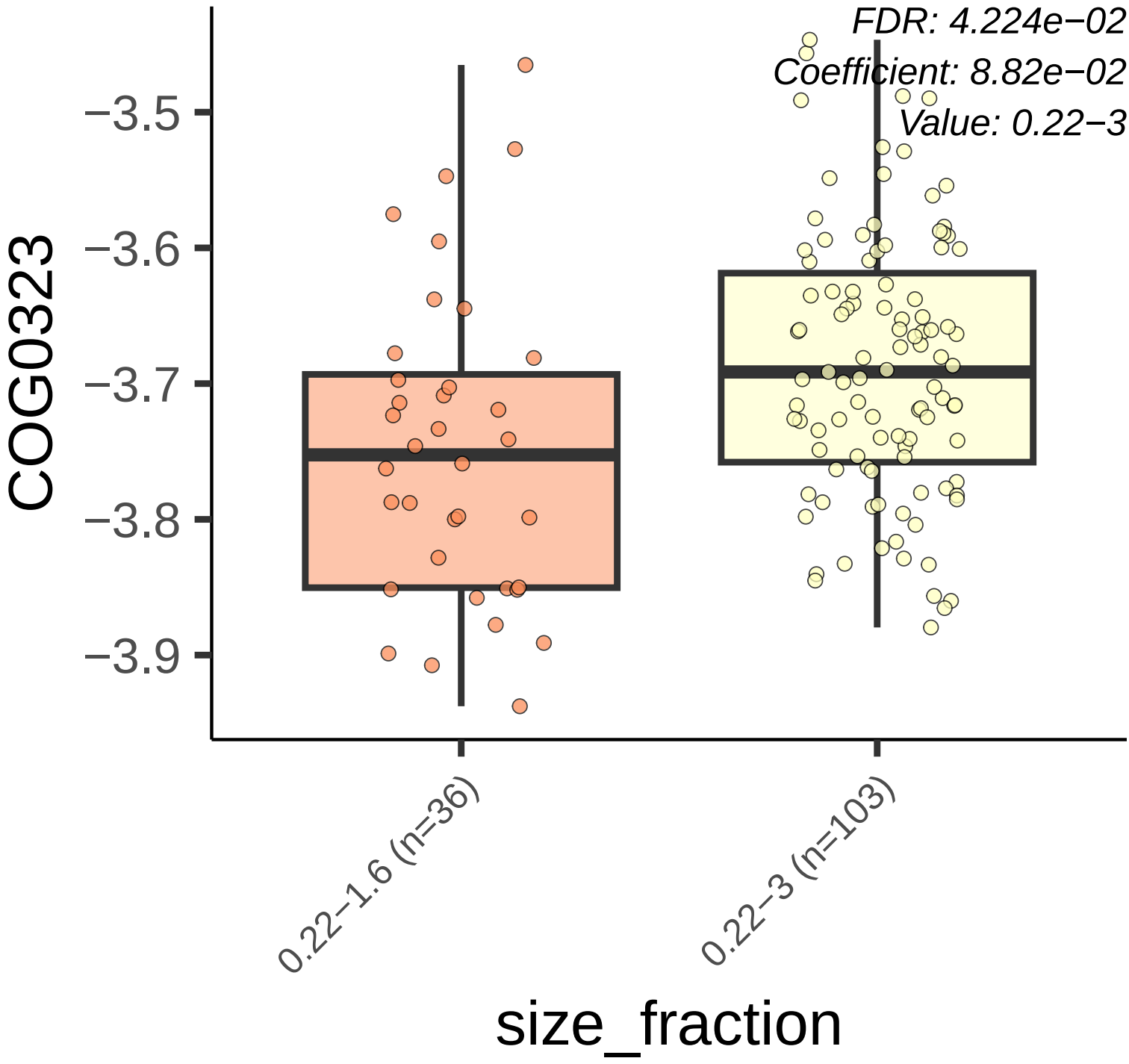

FDR: 4.207e−02
Coefficient: 1.08e−01
Value: 0.22−3
COG2896
−3.4
−3.6
−3.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

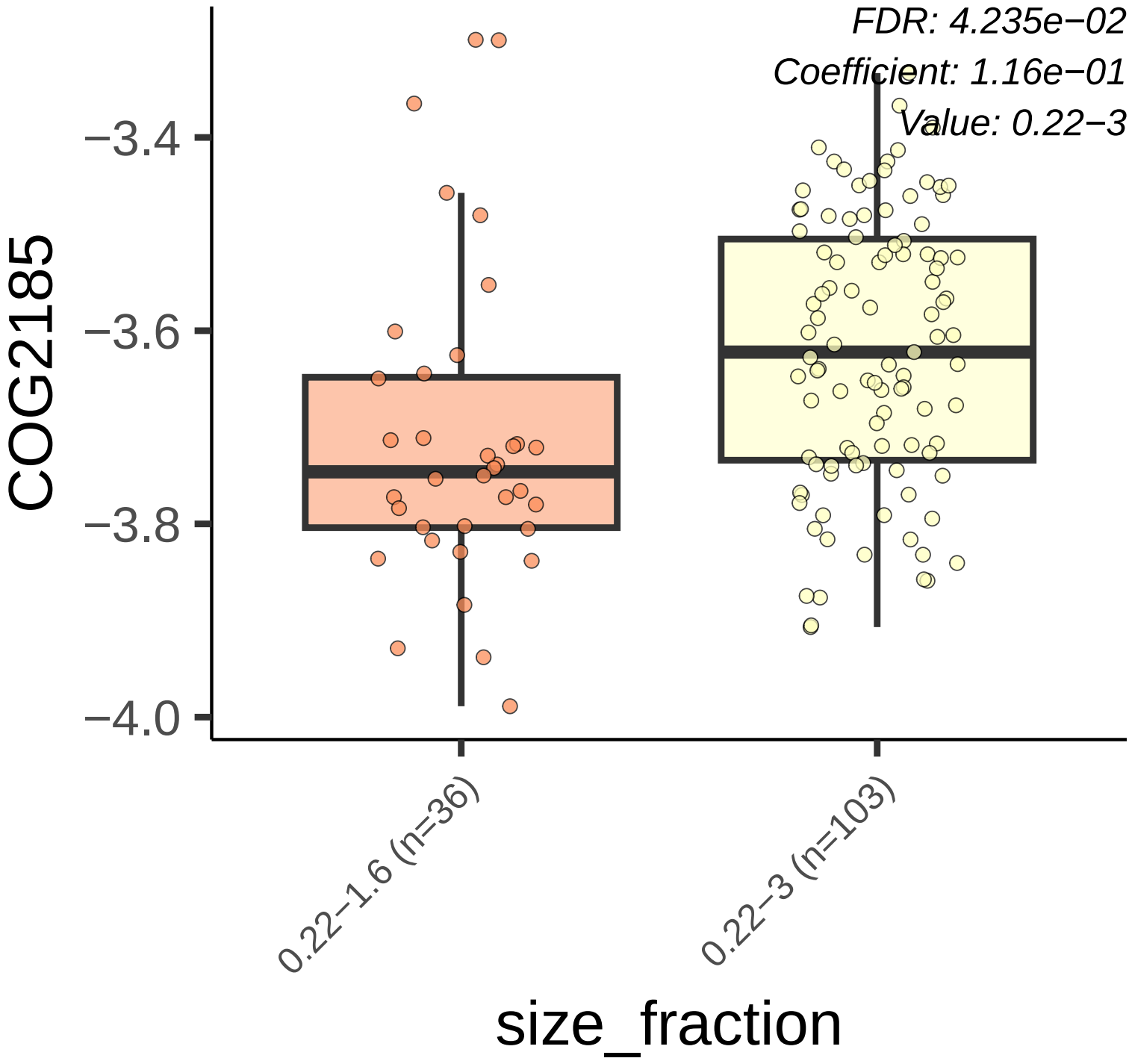

FDR: 4.207e−02
Coefficient: 1.21e+00
Value: 0.22−3
COG4887
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

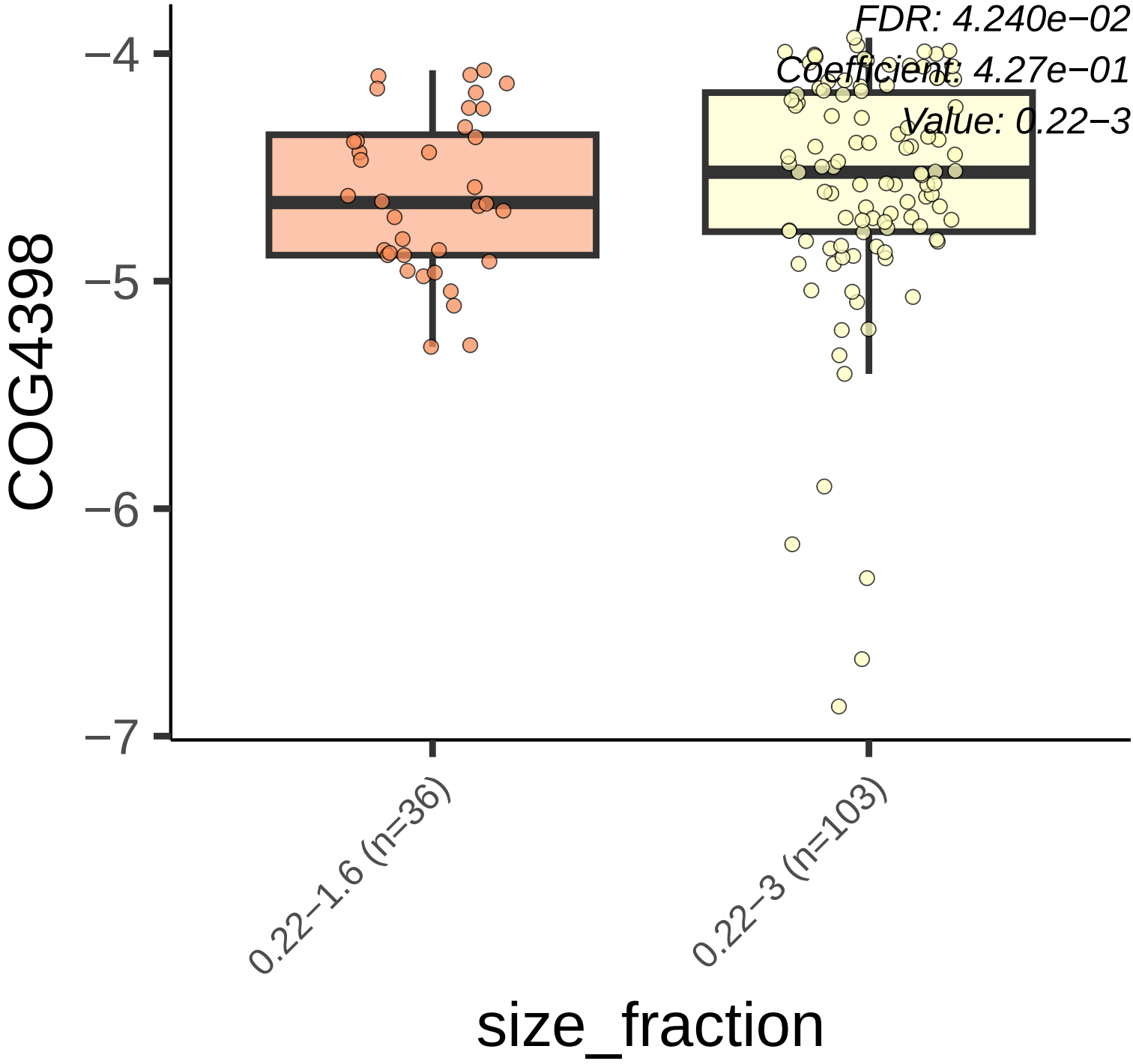

FDR: 4.208e−02
Coefficient: 8.87e−01
Value: 0.22−3
COG1465
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

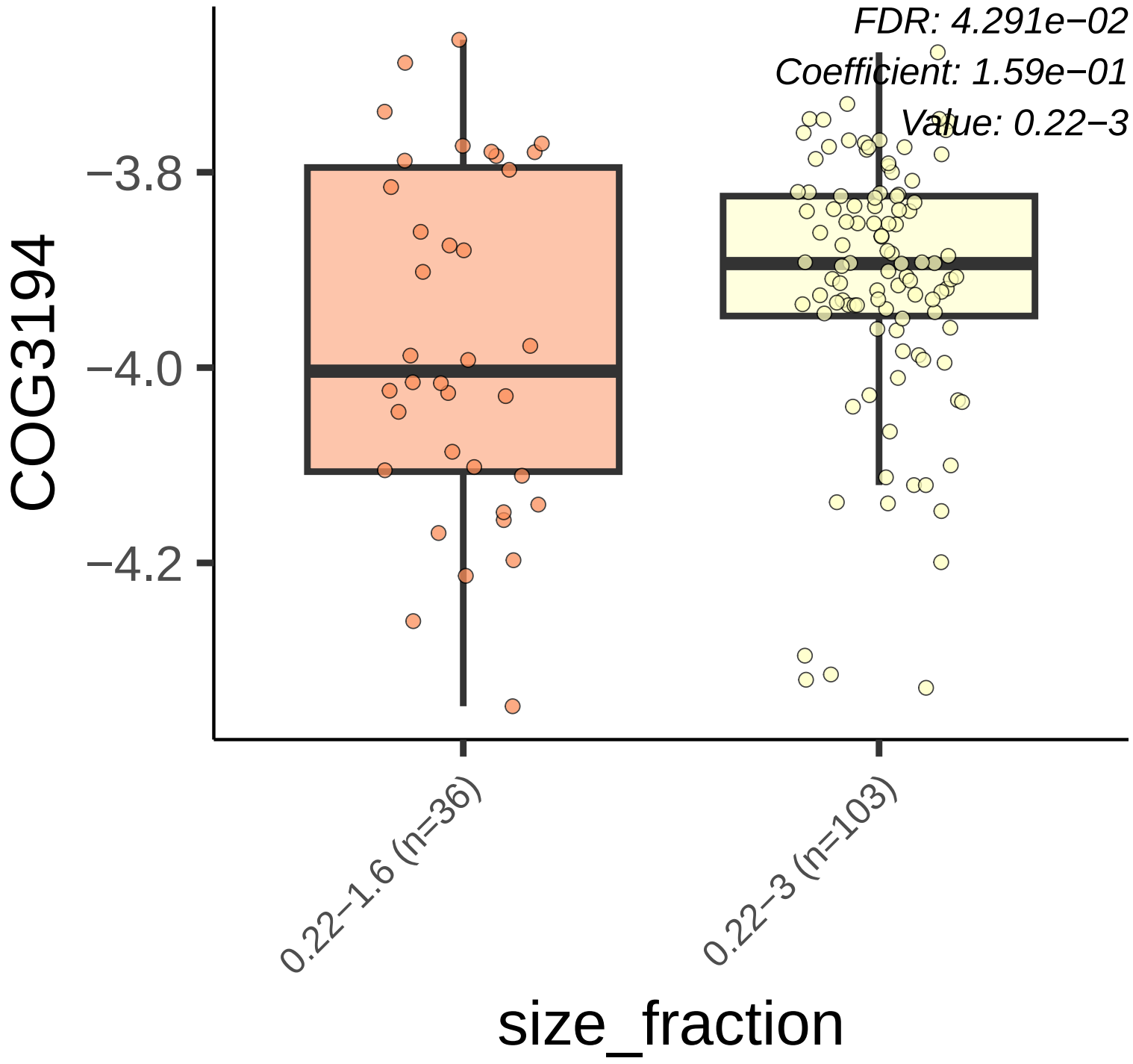

FDR: 4.215e−02
Coefficient: 2.72e−01
Value: 0.22−3
COG1376
−3.75
−4.00
−4.25
−4.50
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

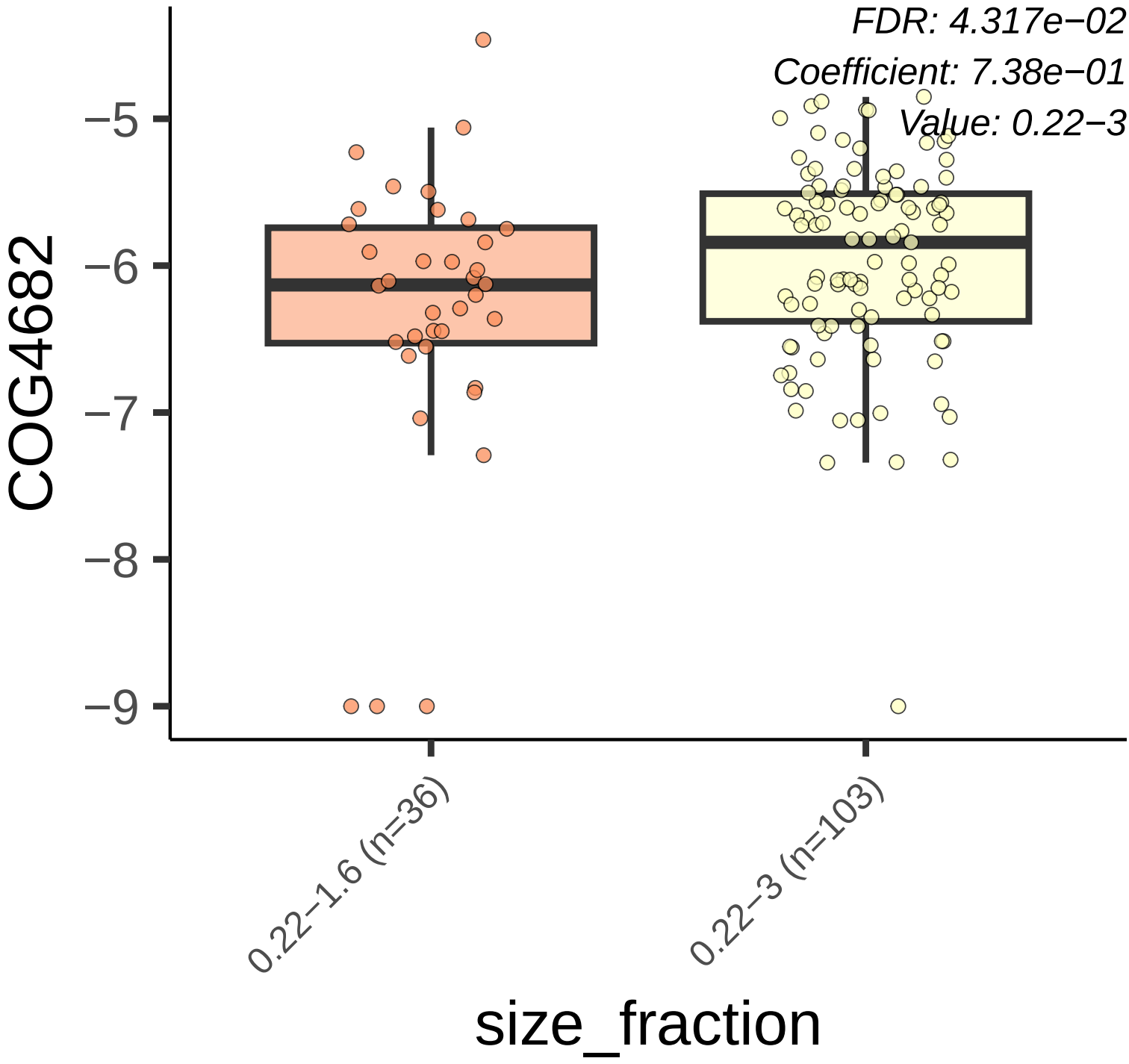

FDR: 4.219e−02
Coefficient: 1.07e+00
Value: 0.22−3
COG5474
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

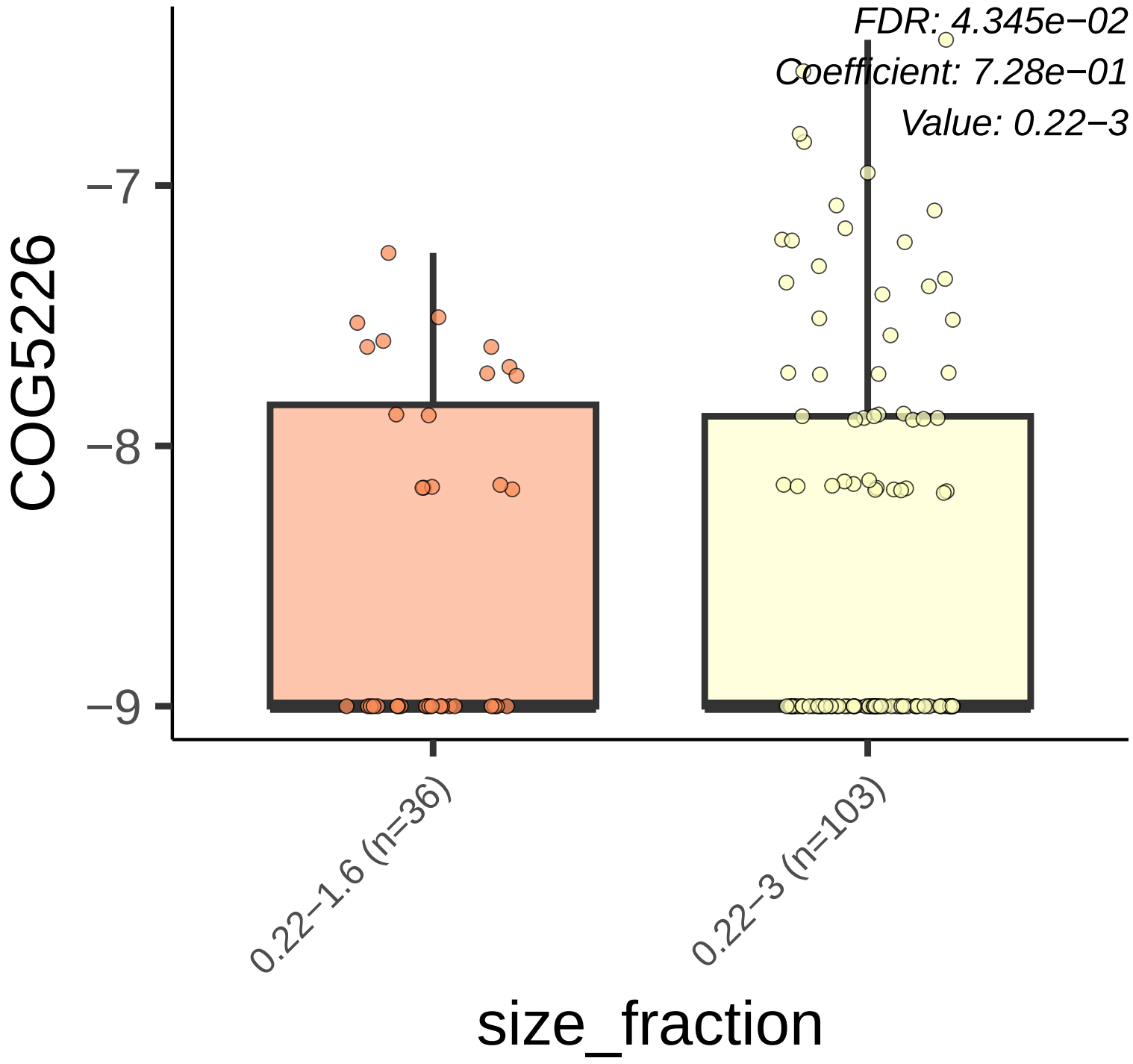

FDR: 4.224e−02
Coefficient: 8.82e−02
Value: 0.22−3
COG0323
−3.5
−3.6
−3.7
−3.8
−3.9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

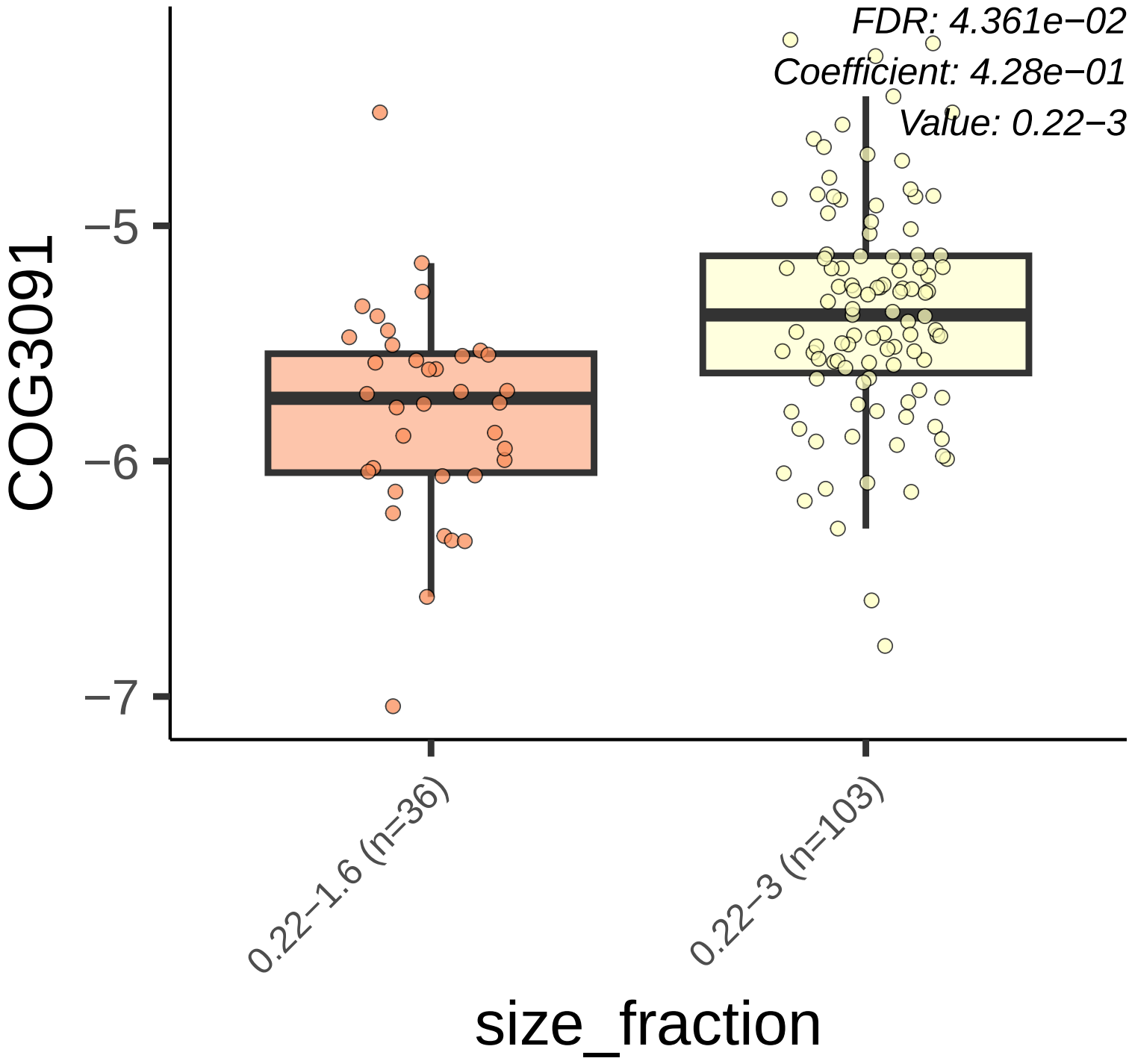

FDR: 4.235e−02
Coefficient: 1.16e−01
Value: 0.22−3
COG2185
−3.4
−3.6
−3.8
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

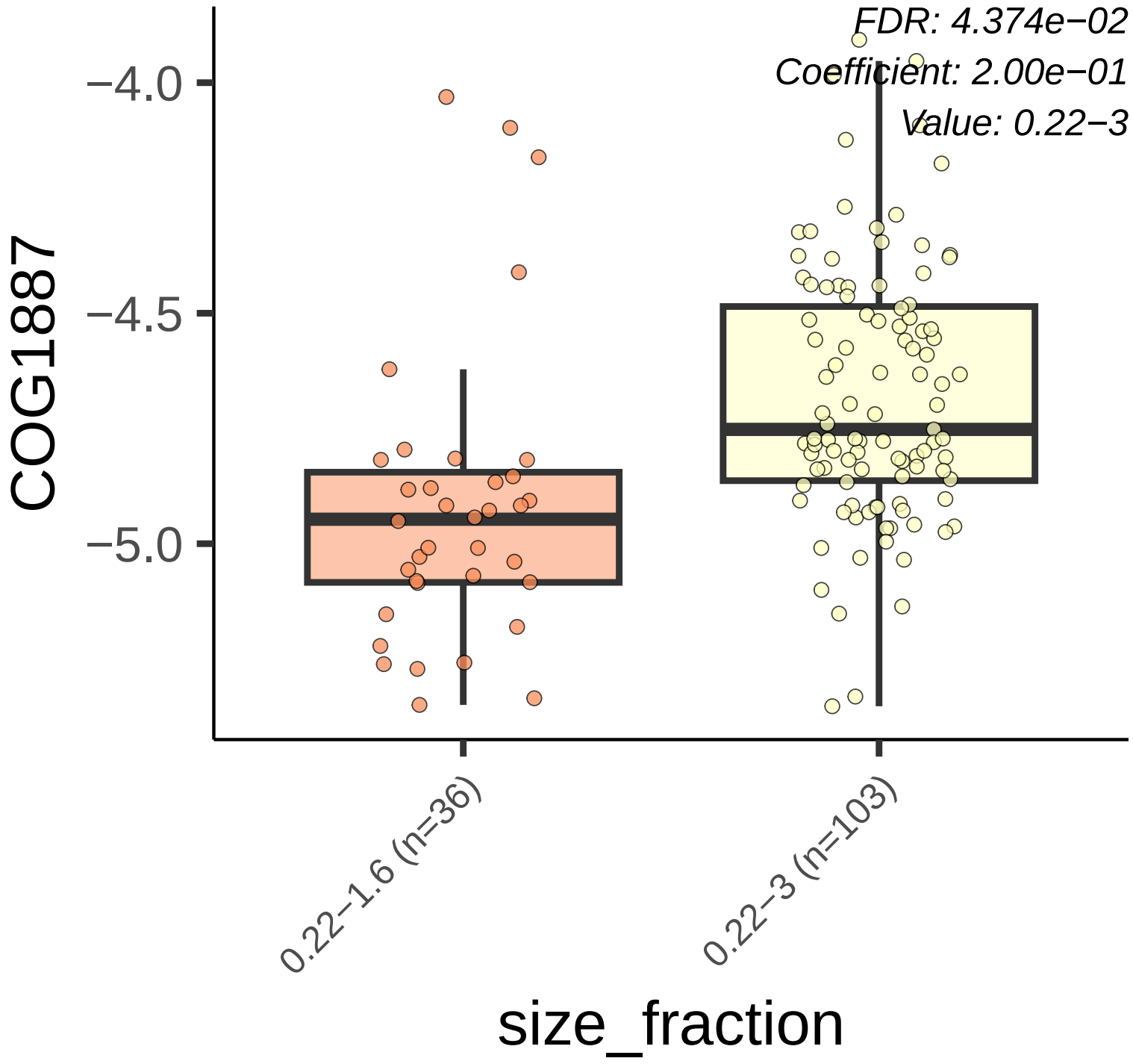

FDR: 4.240e−02
Coefficient: 4.27e−01
Value: 0.22−3
COG4398
−4
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

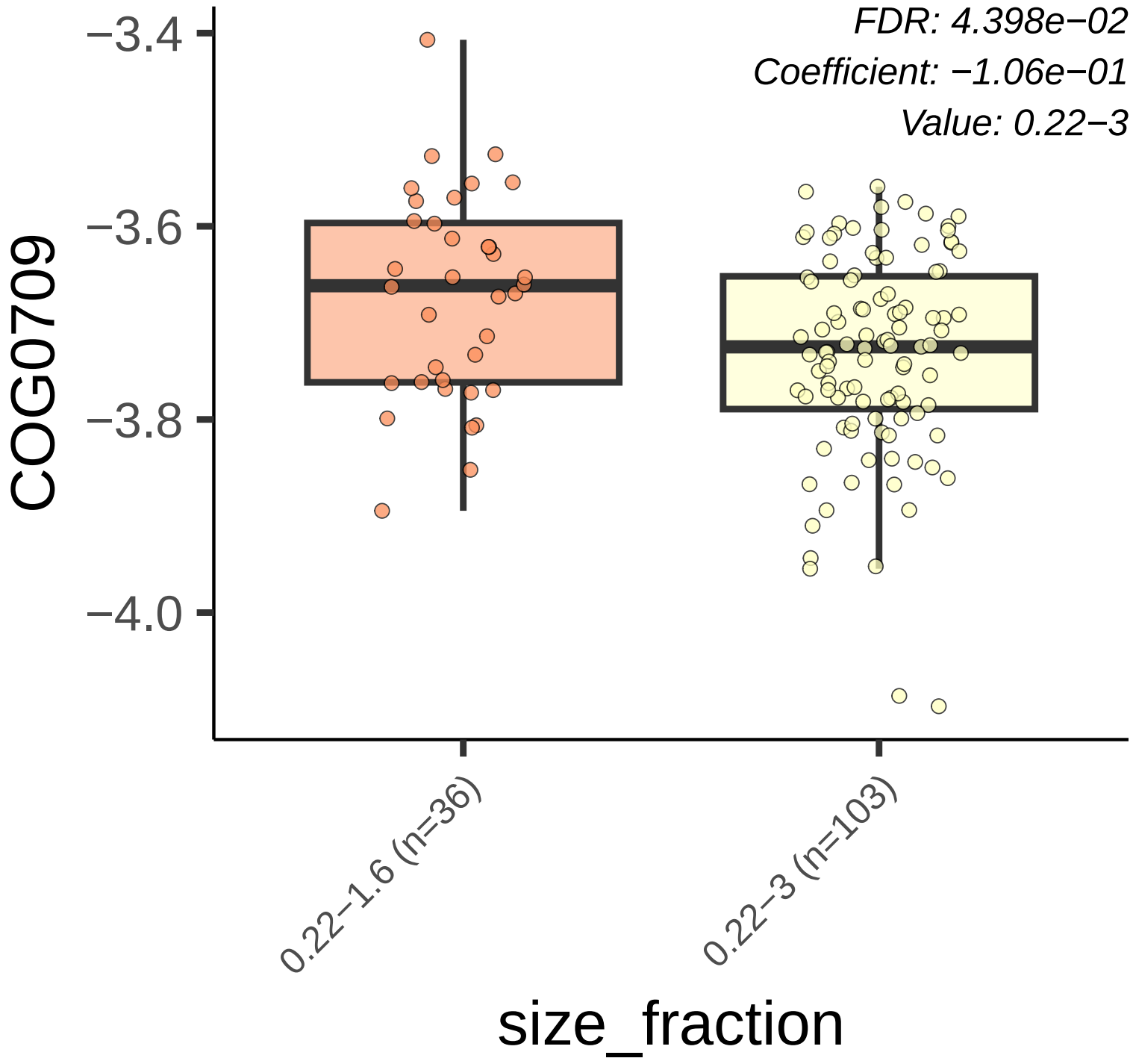

FDR: 4.291e−02
Coefficient: 1.59e−01
Value: 0.22−3
COG3194
−3.8
−4.0
−4.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

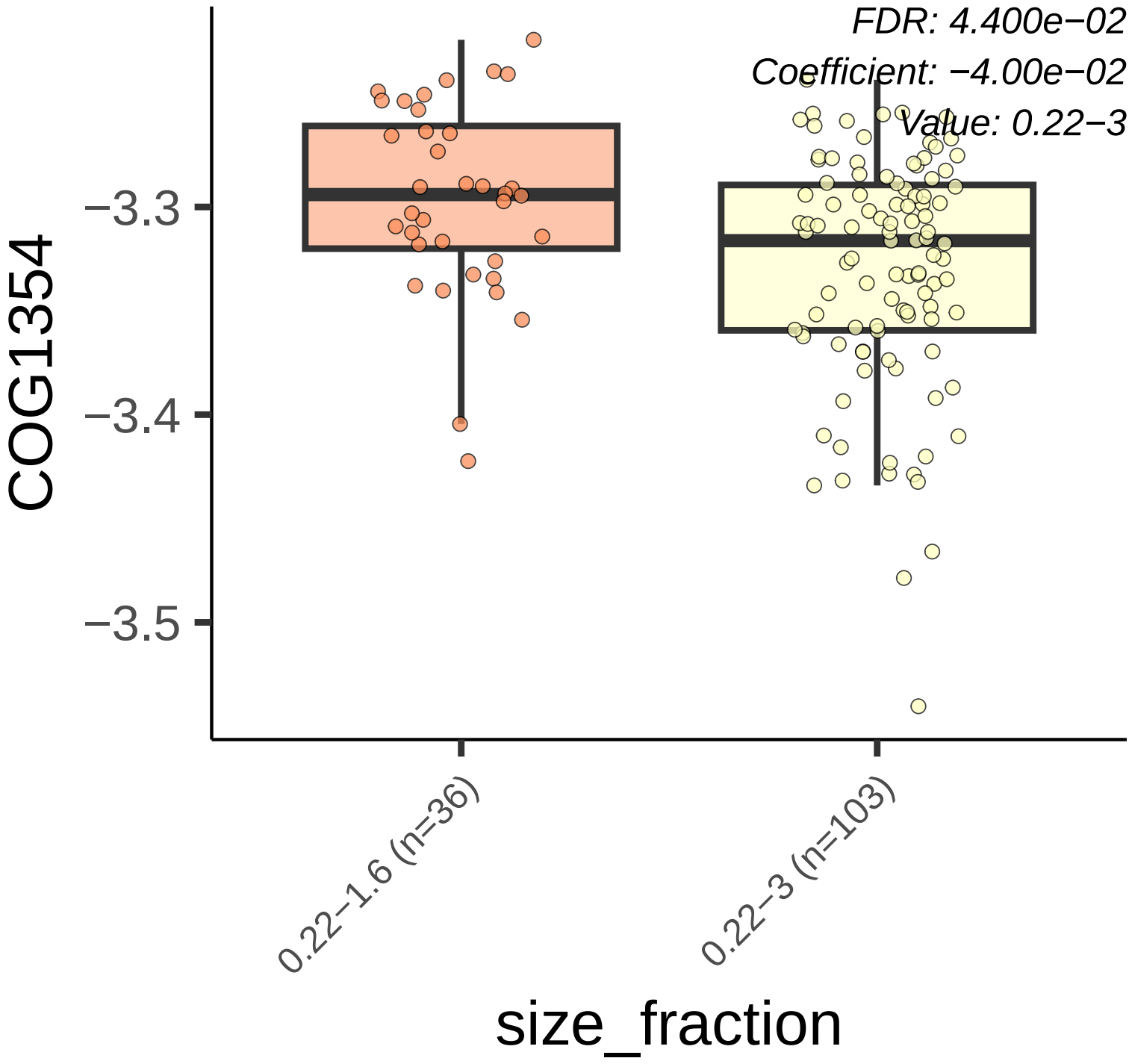

FDR: 4.317e−02
Coefficient: 7.38e−01
Value: 0.22−3
COG4682
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

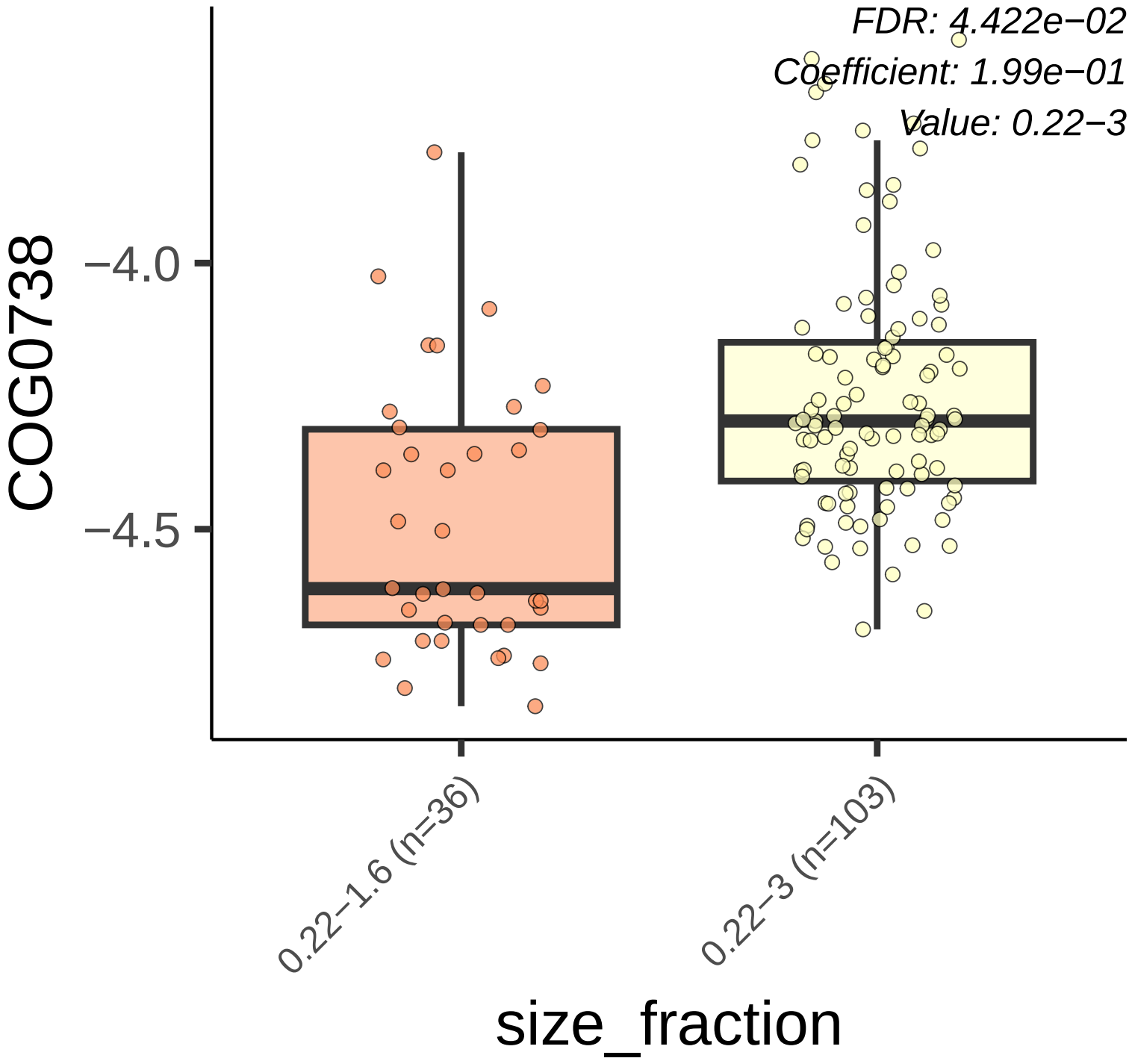

FDR: 4.345e−02
Coefficient: 7.28e−01
Value: 0.22−3
COG5226
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

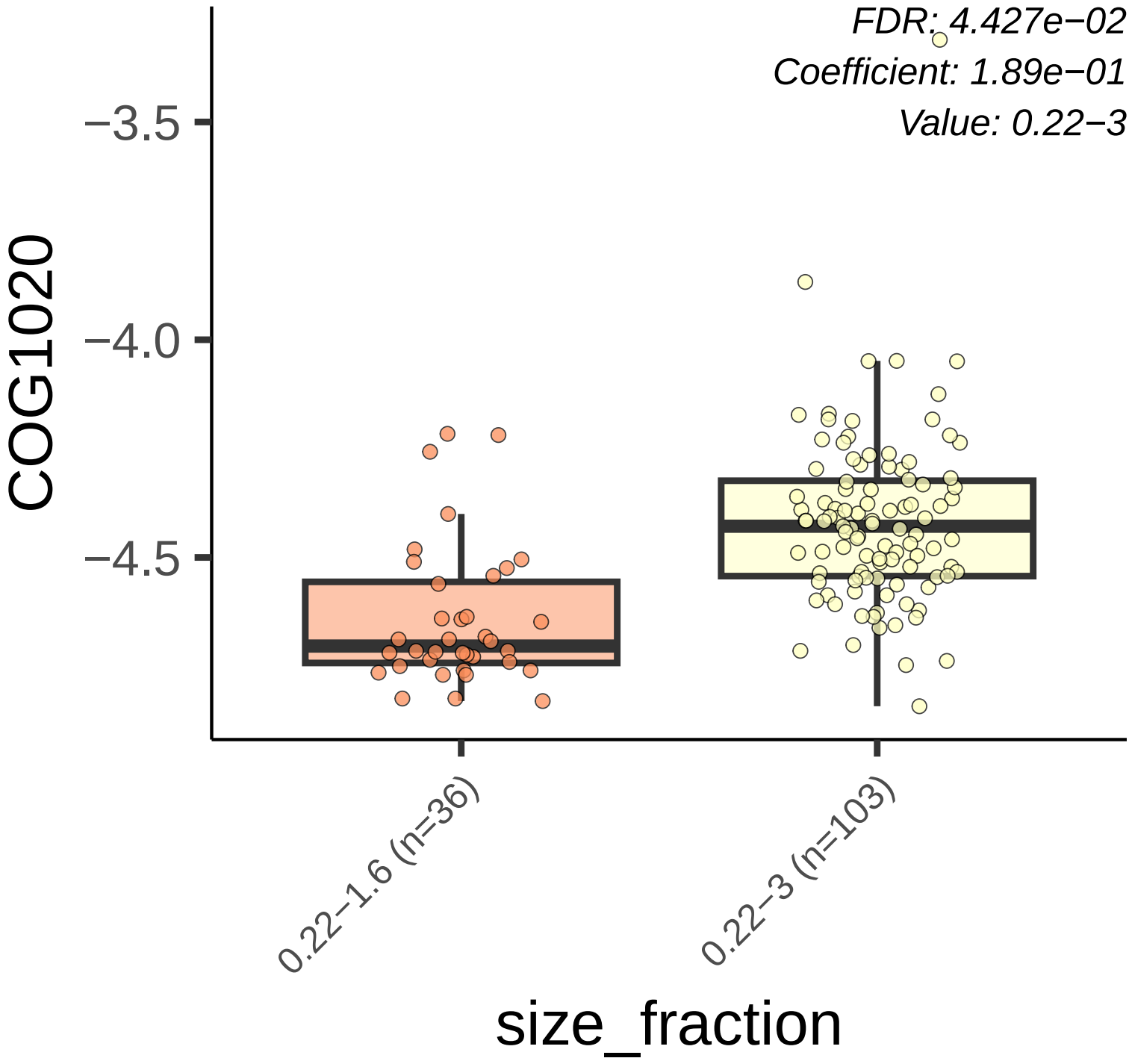

FDR: 4.361e−02
Coefficient: 4.28e−01
Value: 0.22−3
COG3091
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

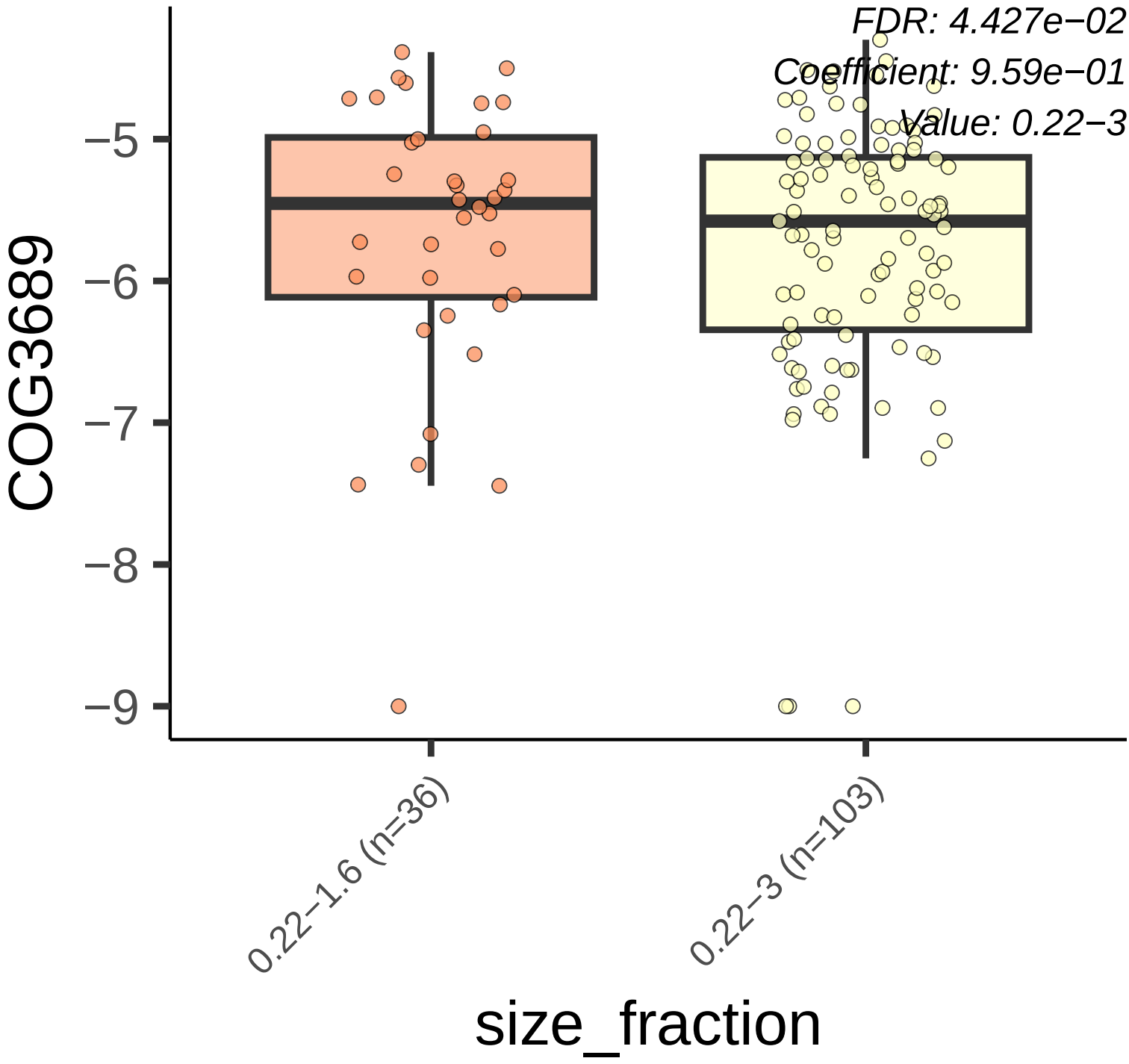

FDR: 4.374e−02
Coefficient: 2.00e−01
Value: 0.22−3
COG1887
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

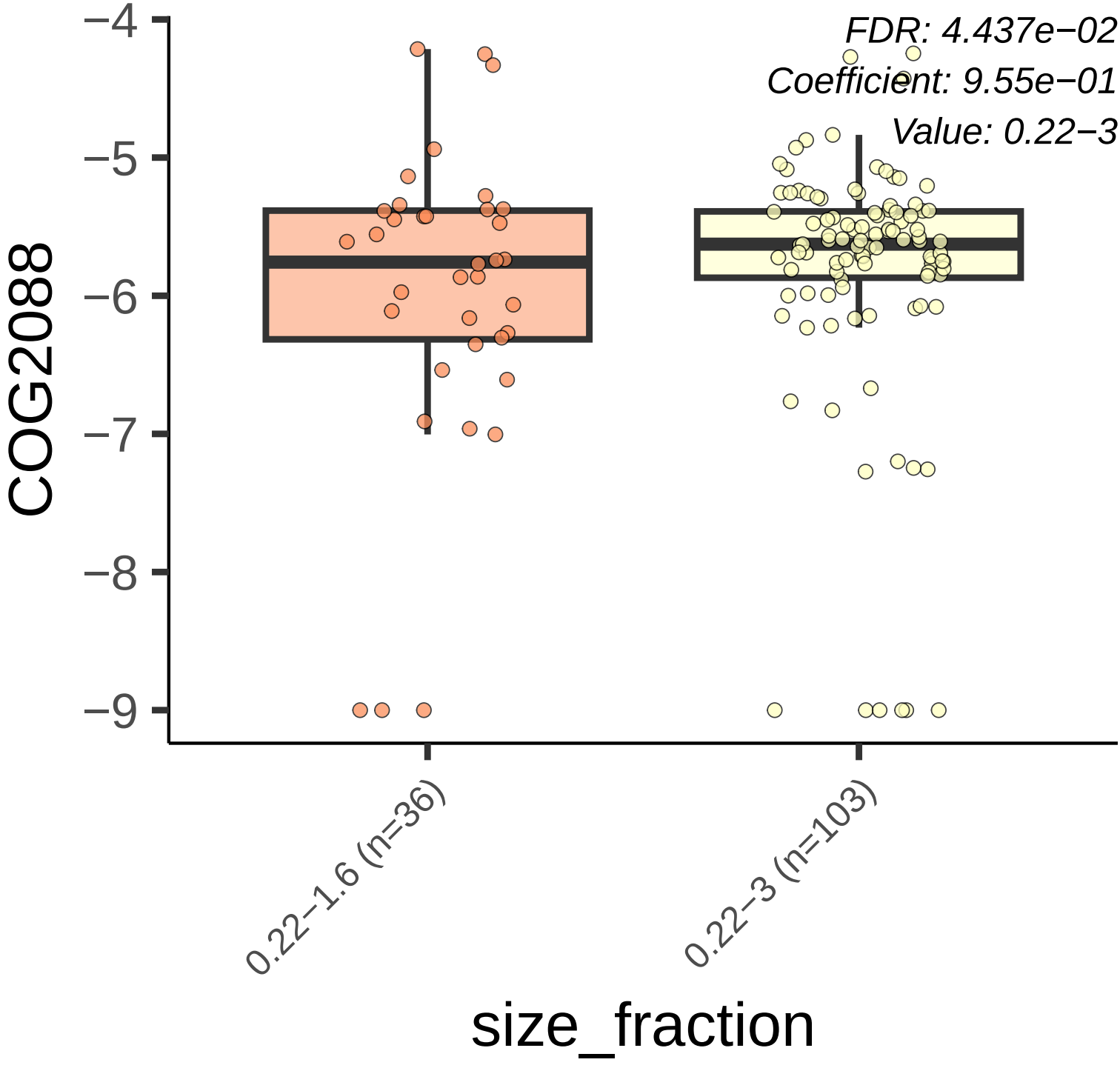

FDR: 4.398e−02
Coefficient: −1.06e−01
Value: 0.22−3
COG0709
−3.4
−3.6
−3.8
−4.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

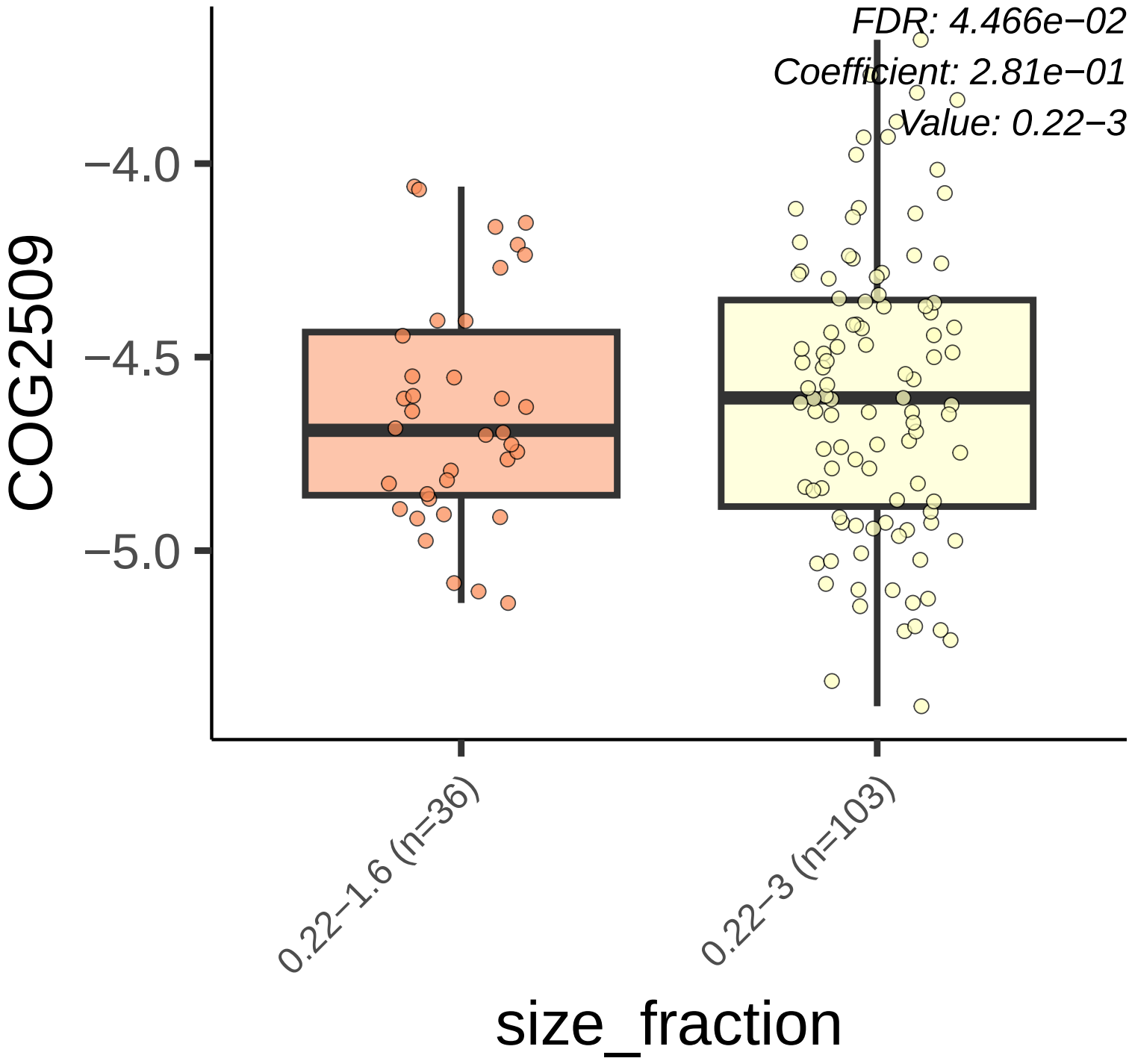

FDR: 4.400e−02
Coefficient: −4.00e−02
Value: 0.22−3
COG1354
−3.3
−3.4
−3.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

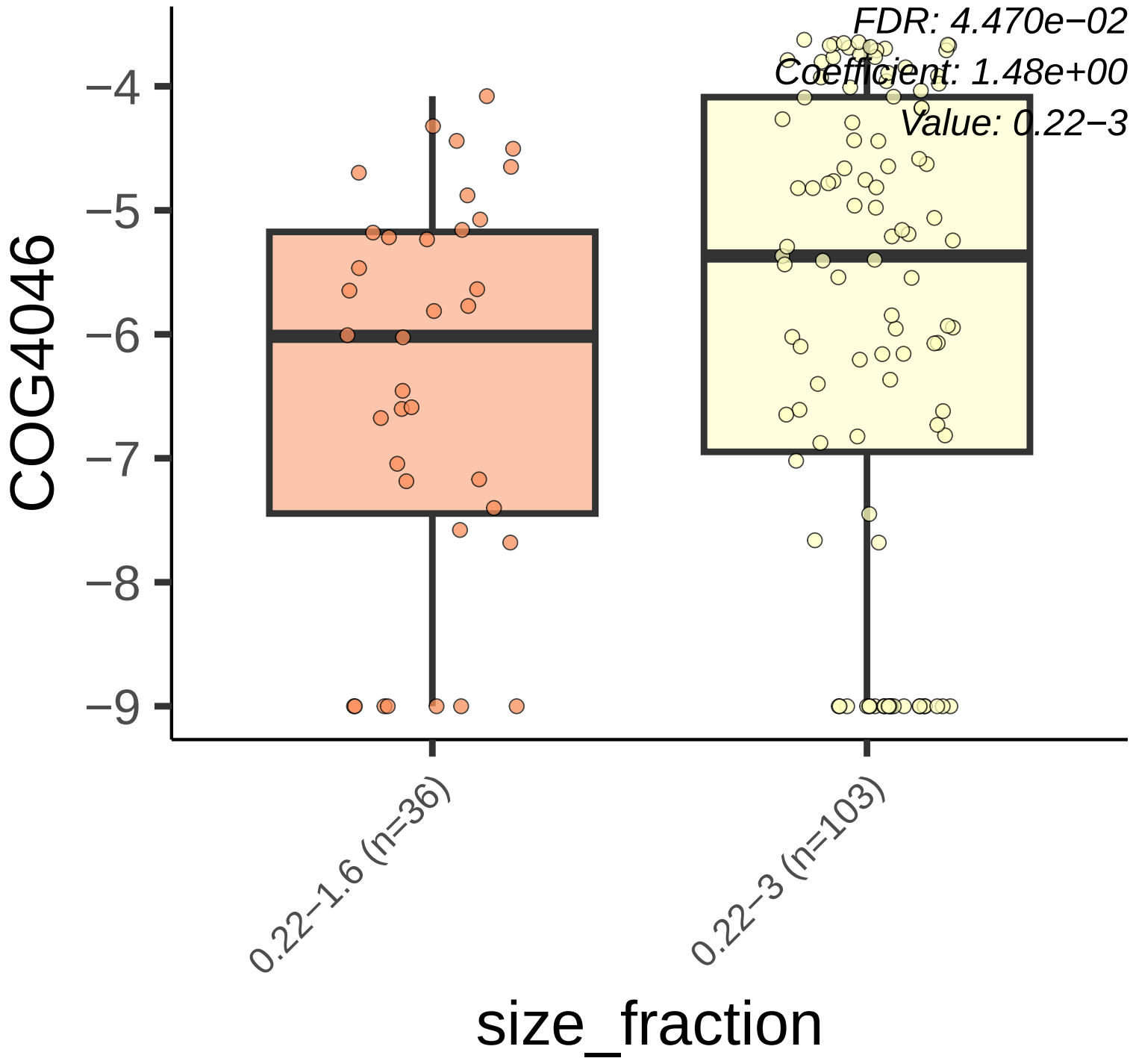

FDR: 4.422e−02
Coefficient: 1.99e−01
Value: 0.22−3
COG0738
−4.0
−4.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

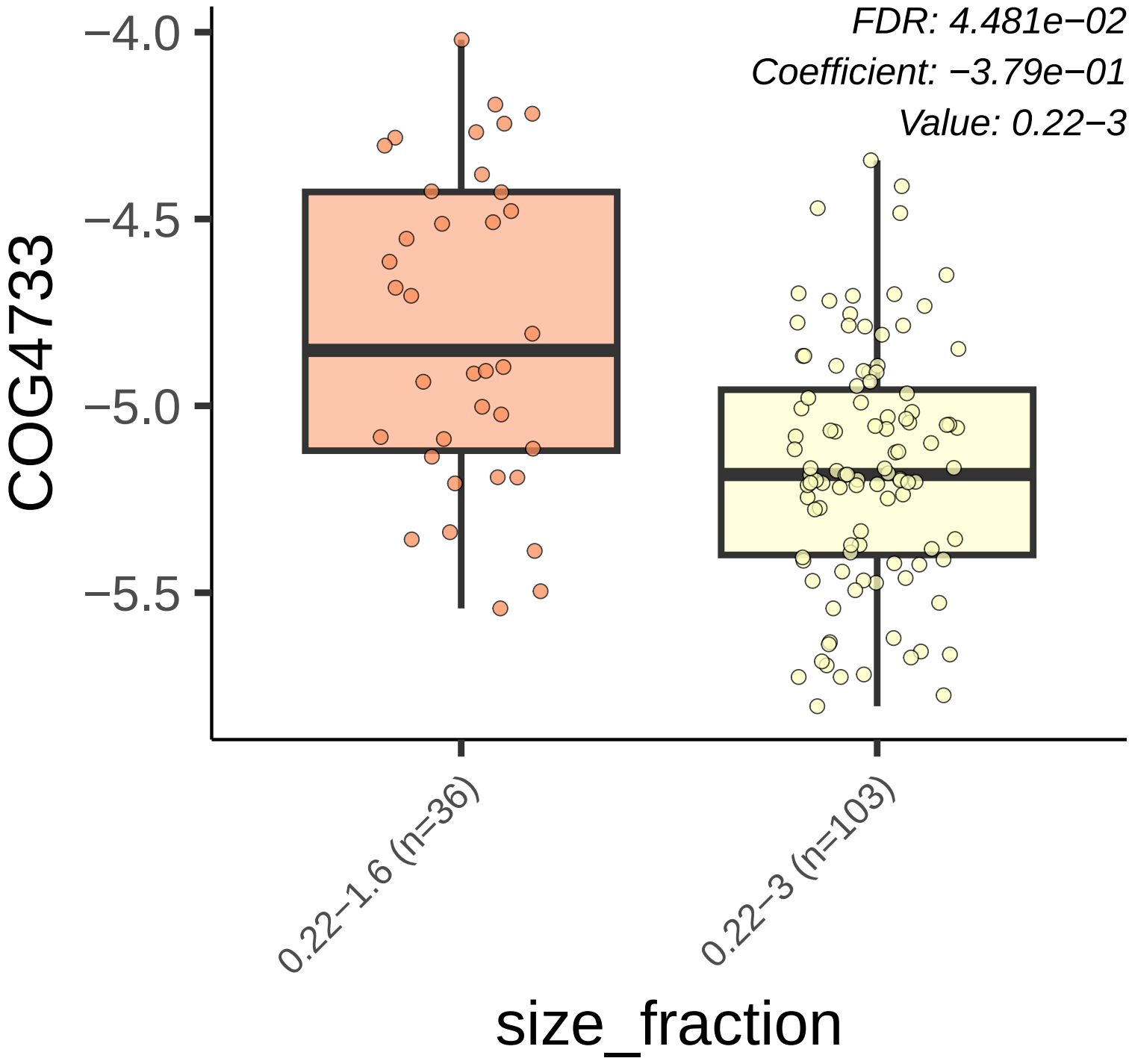

FDR: 4.427e−02
Coefficient: 1.89e−01
Value: 0.22−3
COG1020
−3.5
−4.0
−4.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

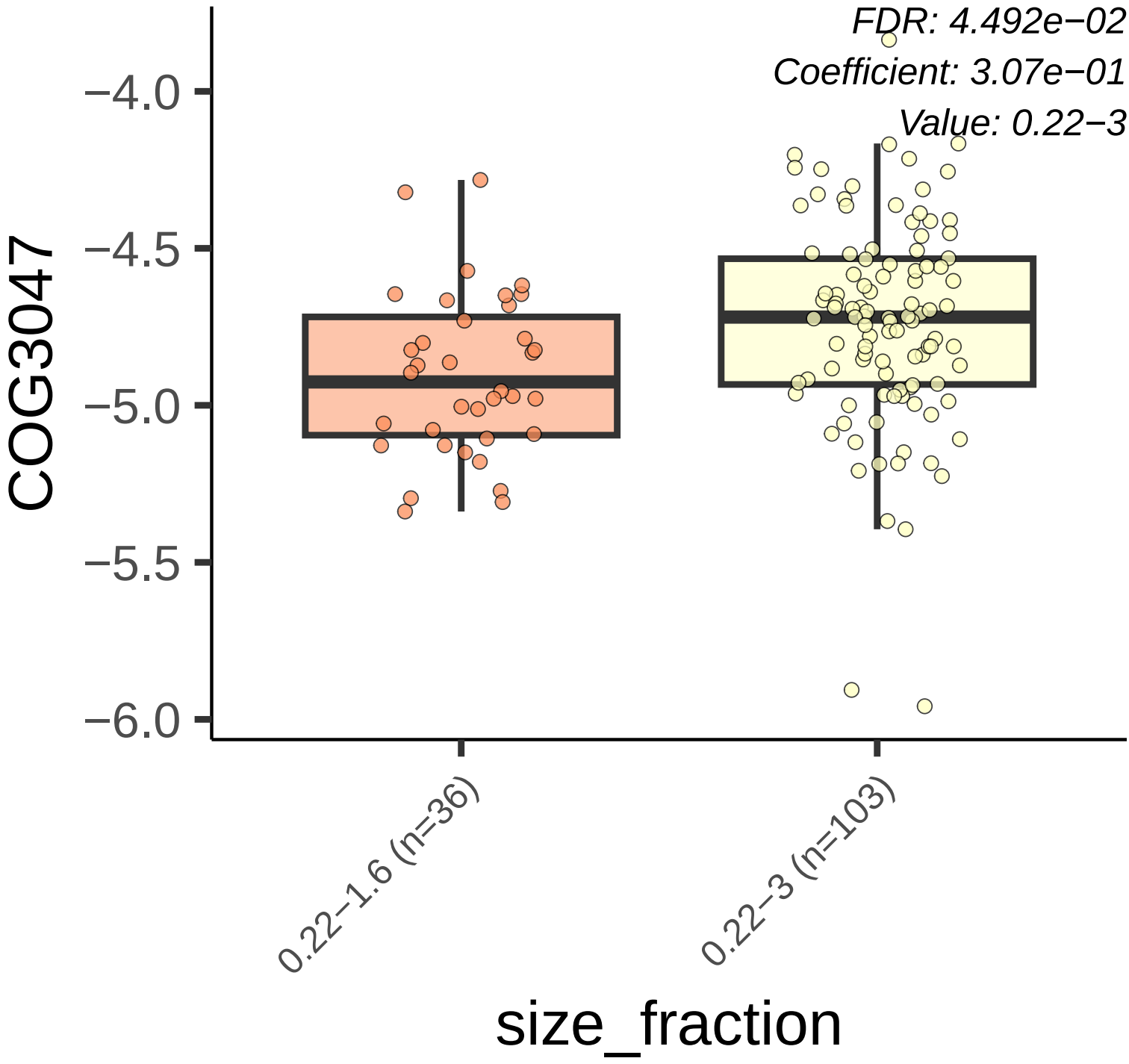

FDR: 4.427e−02
Coefficient: 9.59e−01
Value: 0.22−3
COG3689
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

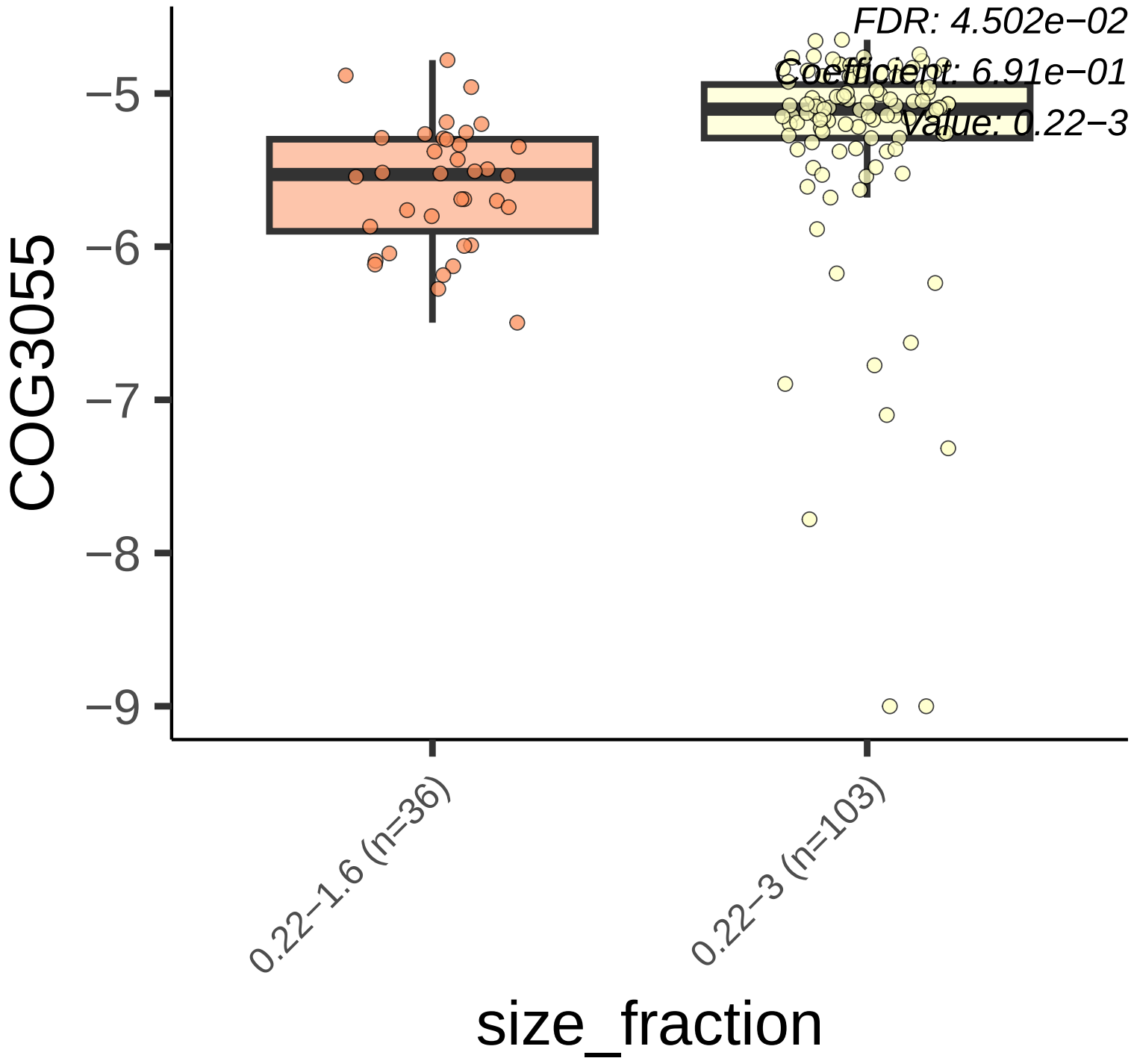

FDR: 4.437e−02
Coefficient: 9.55e−01
Value: 0.22−3
COG2088
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

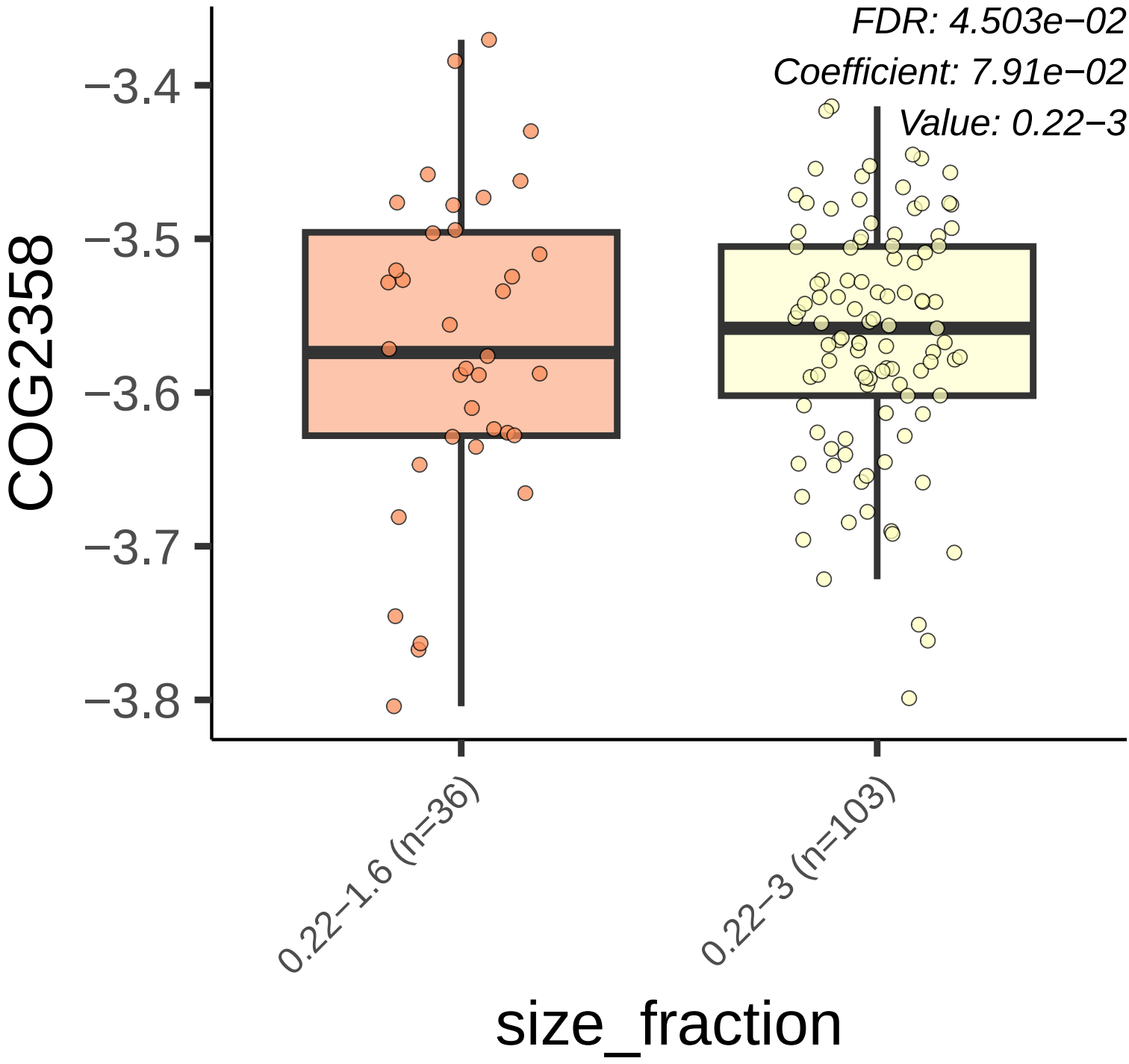

FDR: 4.466e−02
Coefficient: 2.81e−01
Value: 0.22−3
COG2509
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

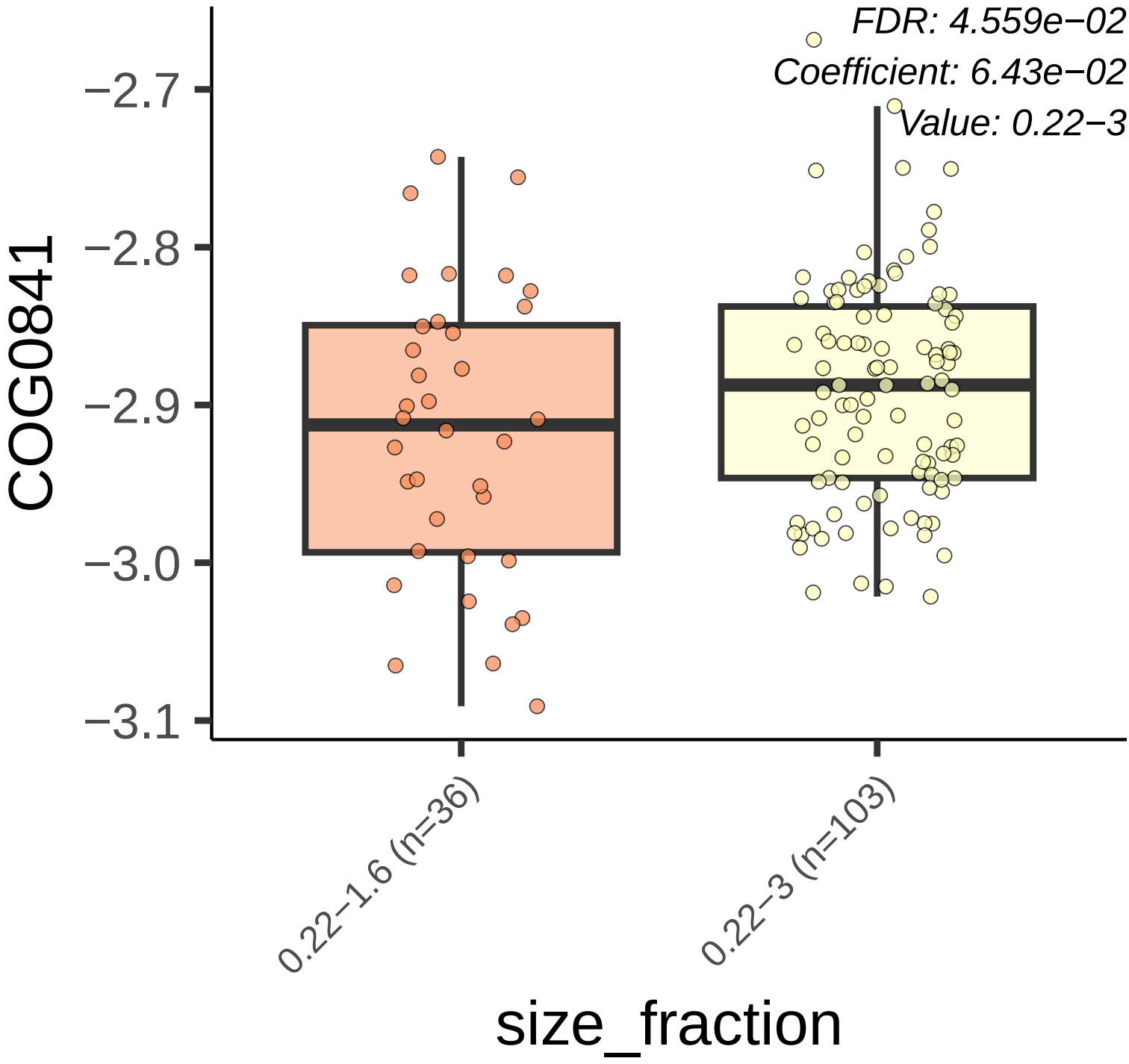

FDR: 4.470e−02
Coefficient: 1.48e+00
Value: 0.22−3
COG4046
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

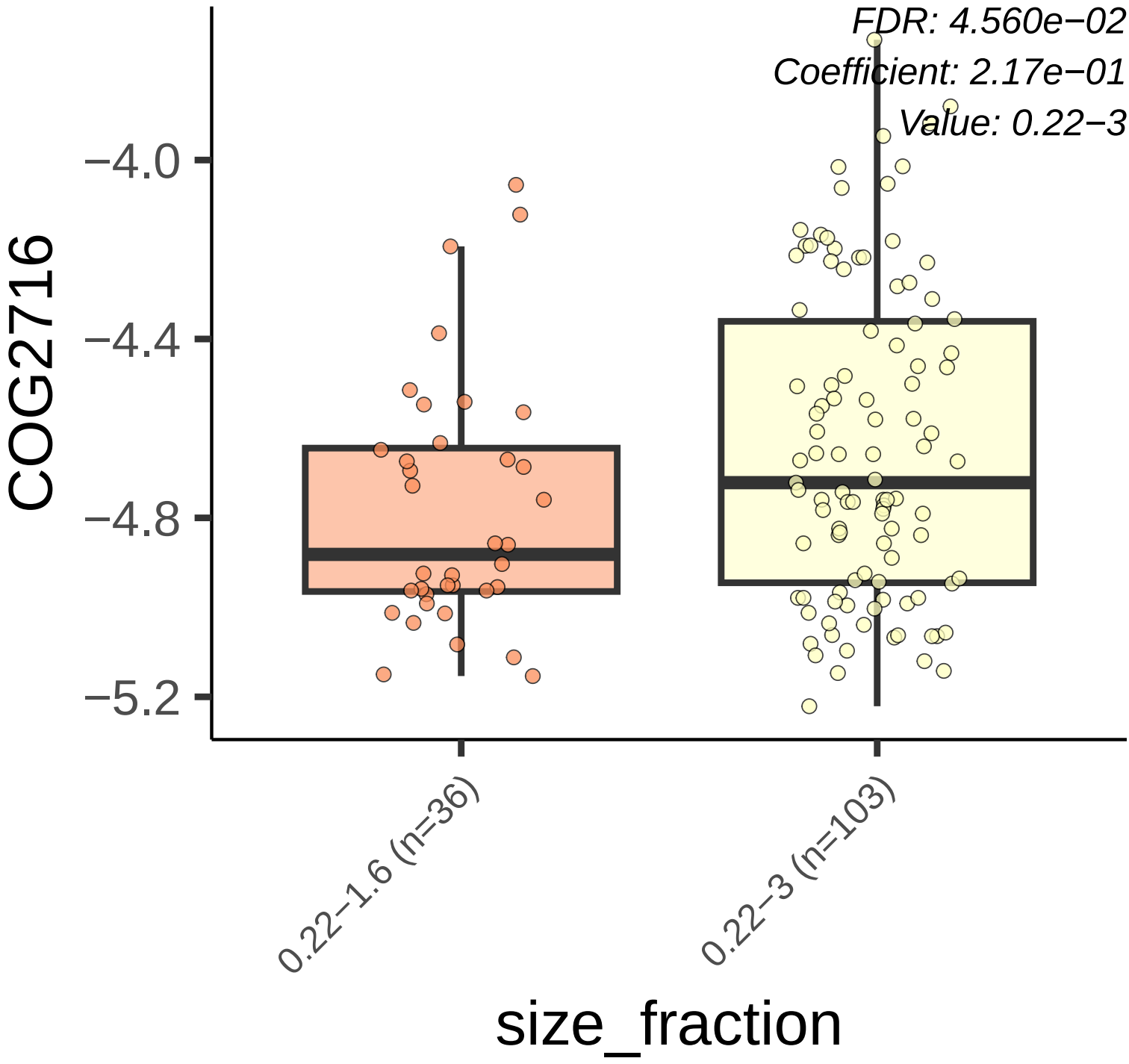

FDR: 4.481e−02
Coefficient: −3.79e−01
Value: 0.22−3
−4.0
−4.5
−5.0
−5.5
COG4733
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

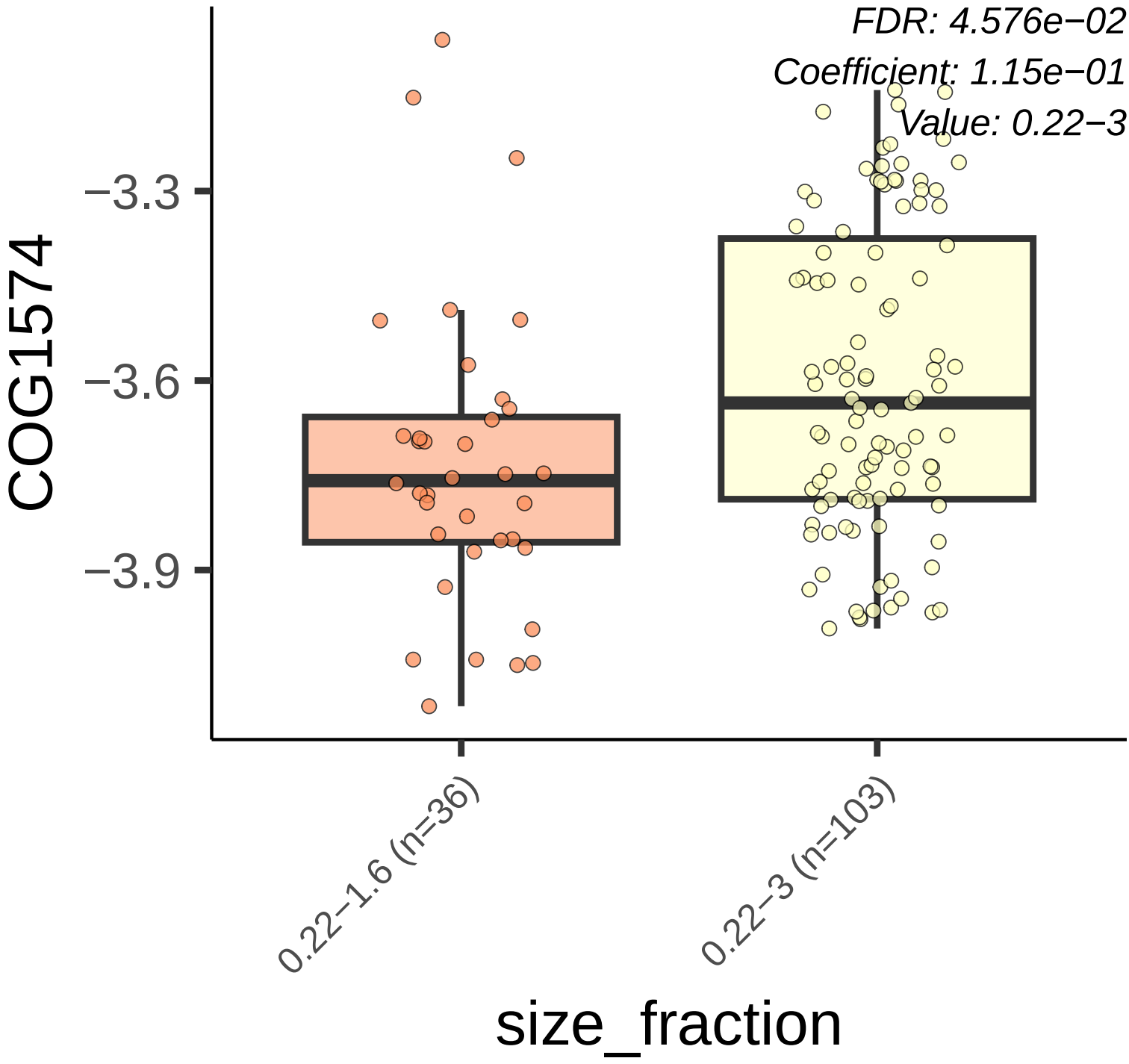

FDR: 4.492e−02
Coefficient: 3.07e−01
Value: 0.22−3
COG3047
−4.0
−4.5
−5.0
−5.5
−6.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

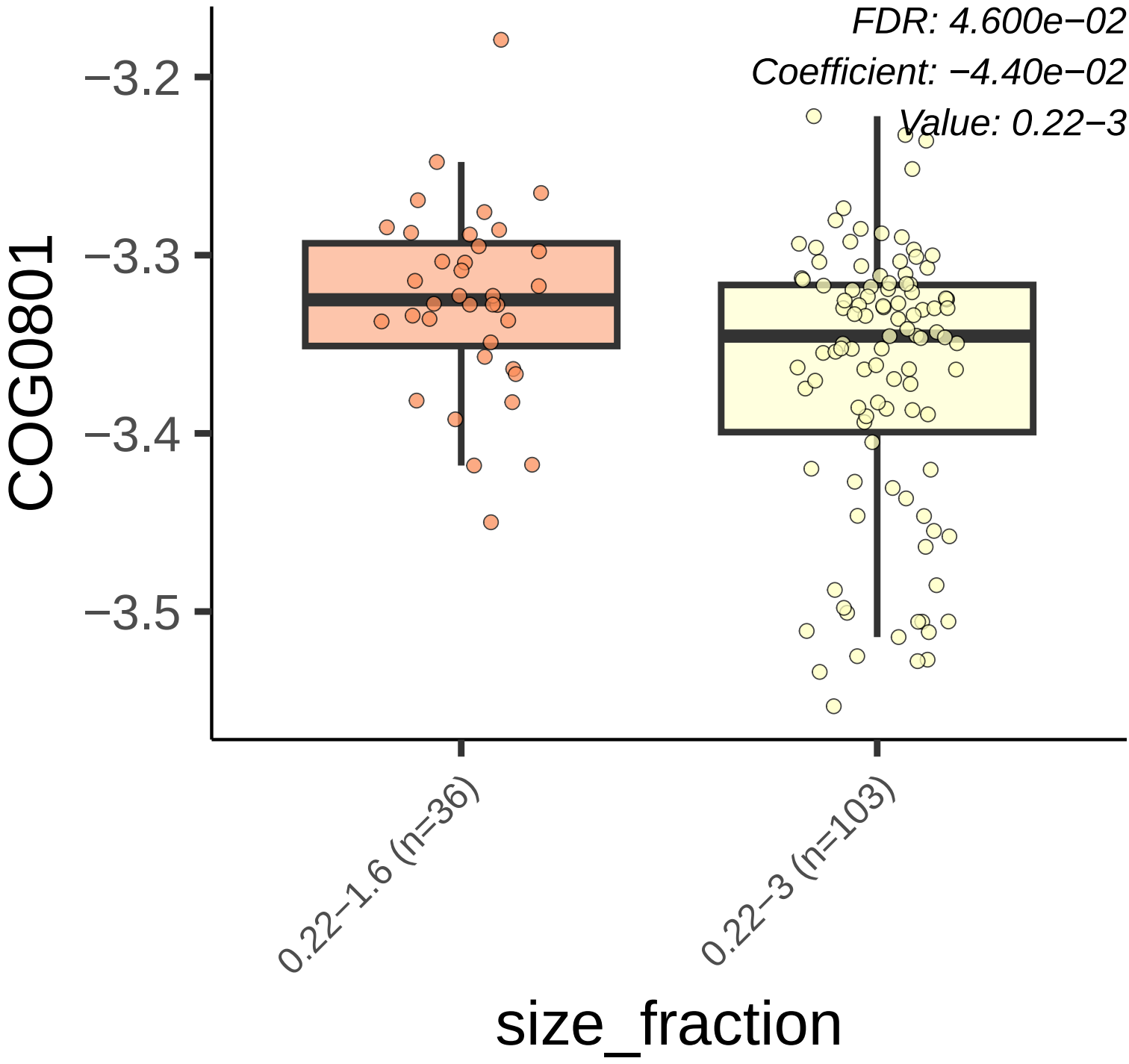

FDR: 4.502e−02
Coefficient: 6.91e−01
Value: 0.22−3
COG3055
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

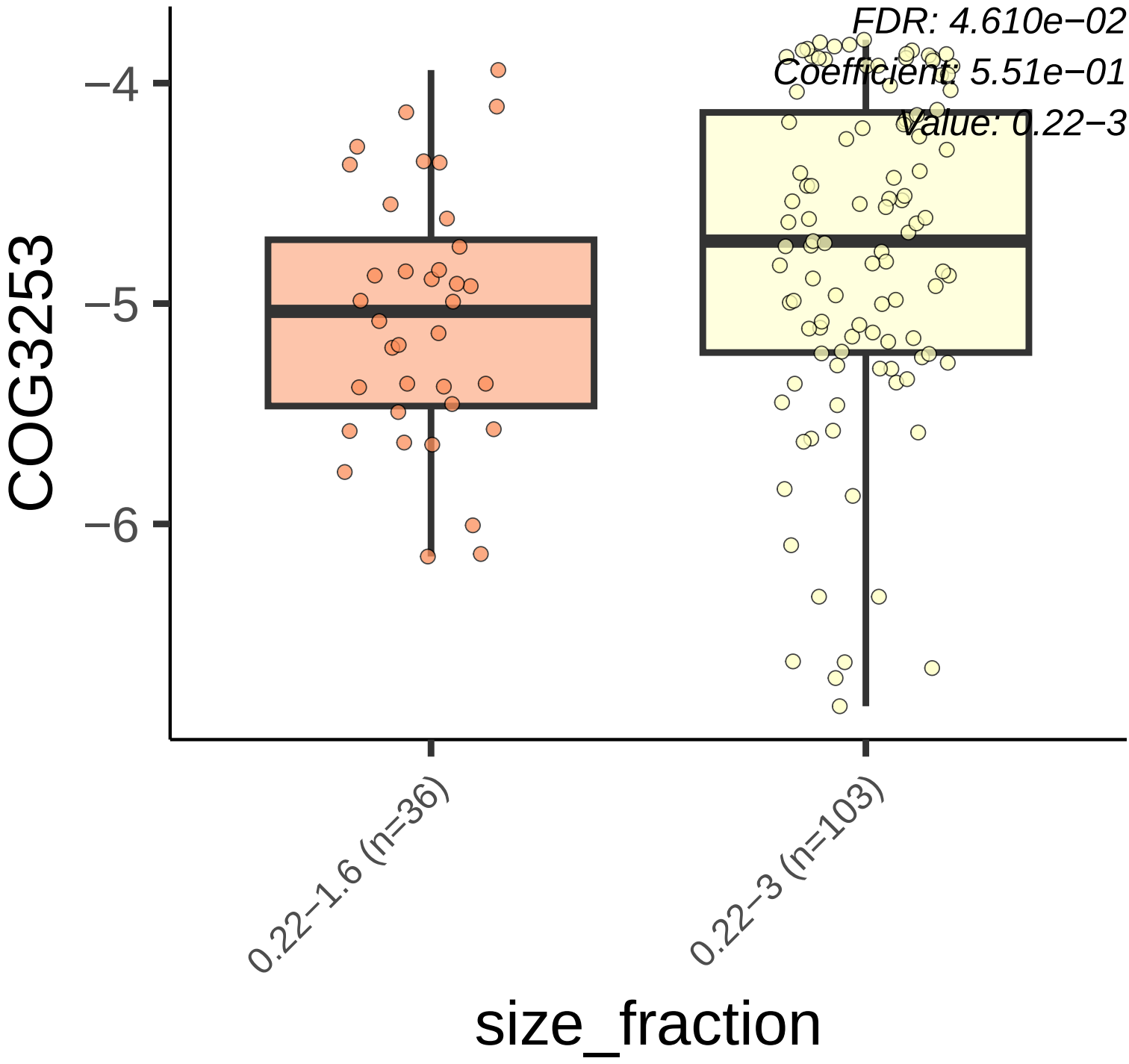

FDR: 4.503e−02
Coefficient: 7.91e−02
Value: 0.22−3
COG2358
−3.4
−3.5
−3.6
−3.7
−3.8
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

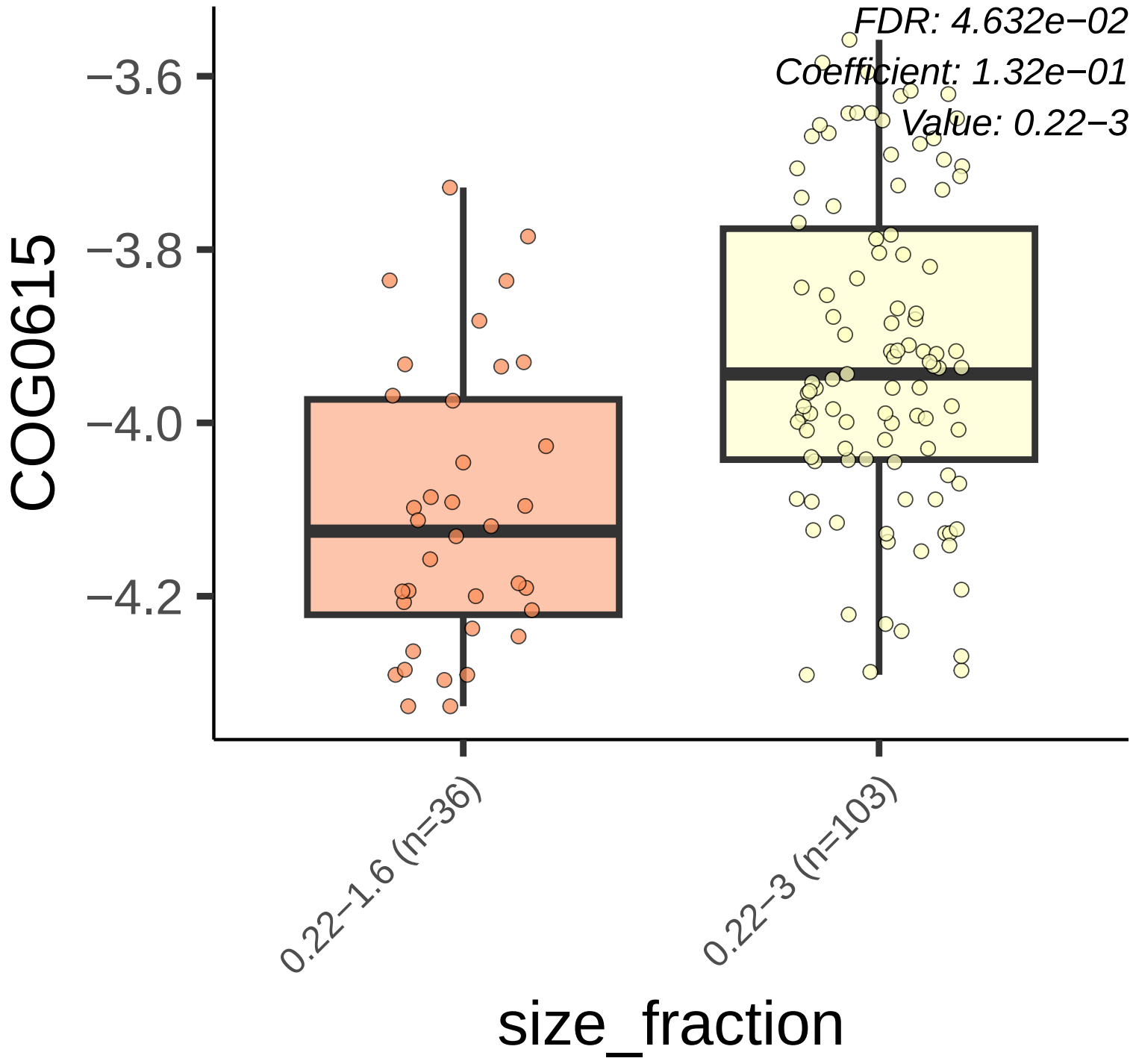

FDR: 4.559e−02
Coefficient: 6.43e−02
Value: 0.22−3
COG0841
−2.7
−2.8
−2.9
−3.0
−3.1
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

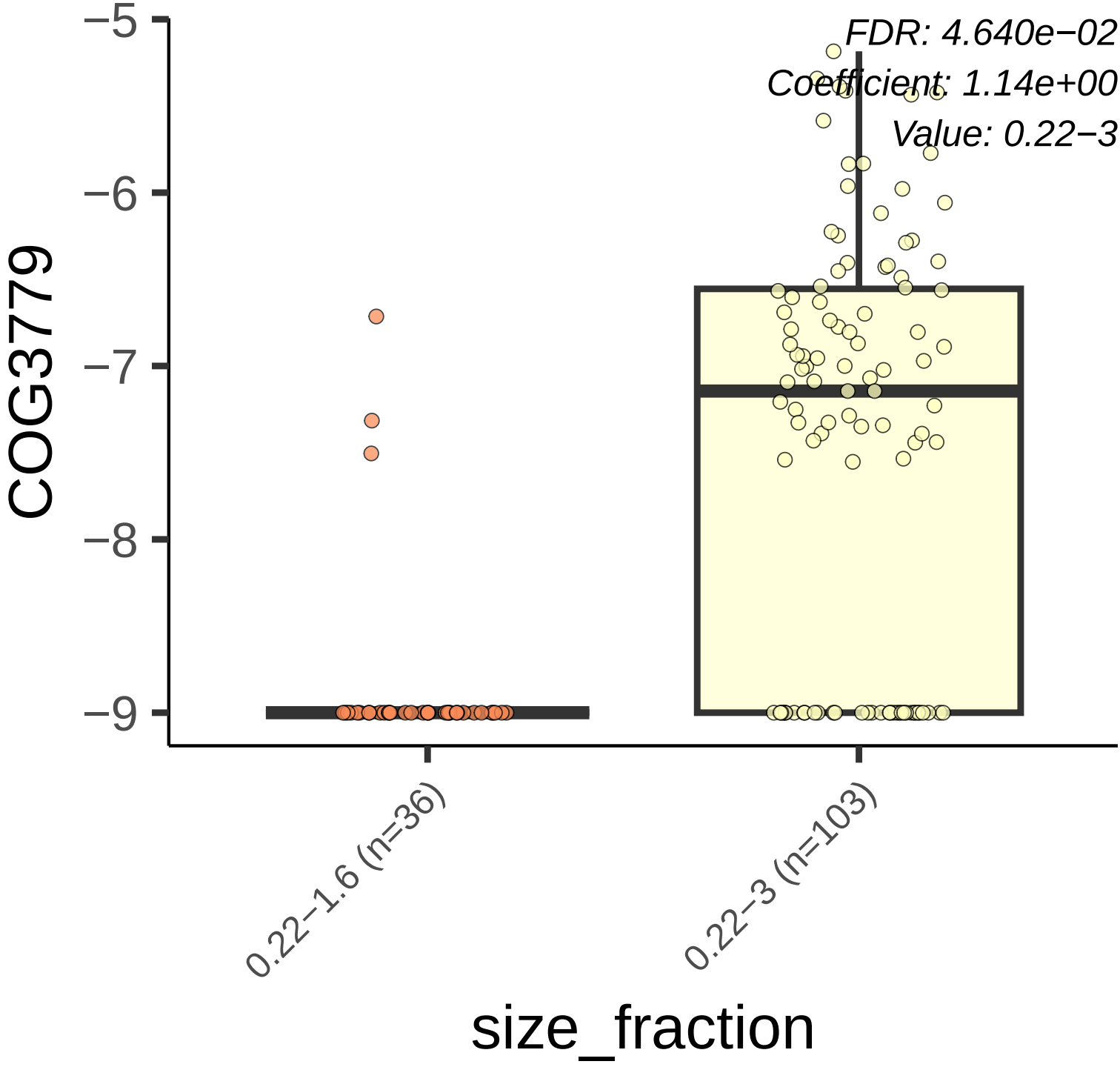

FDR: 4.560e−02
Coefficient: 2.17e−01
Value: 0.22−3
COG2716
−4.0
−4.4
−4.8
−5.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

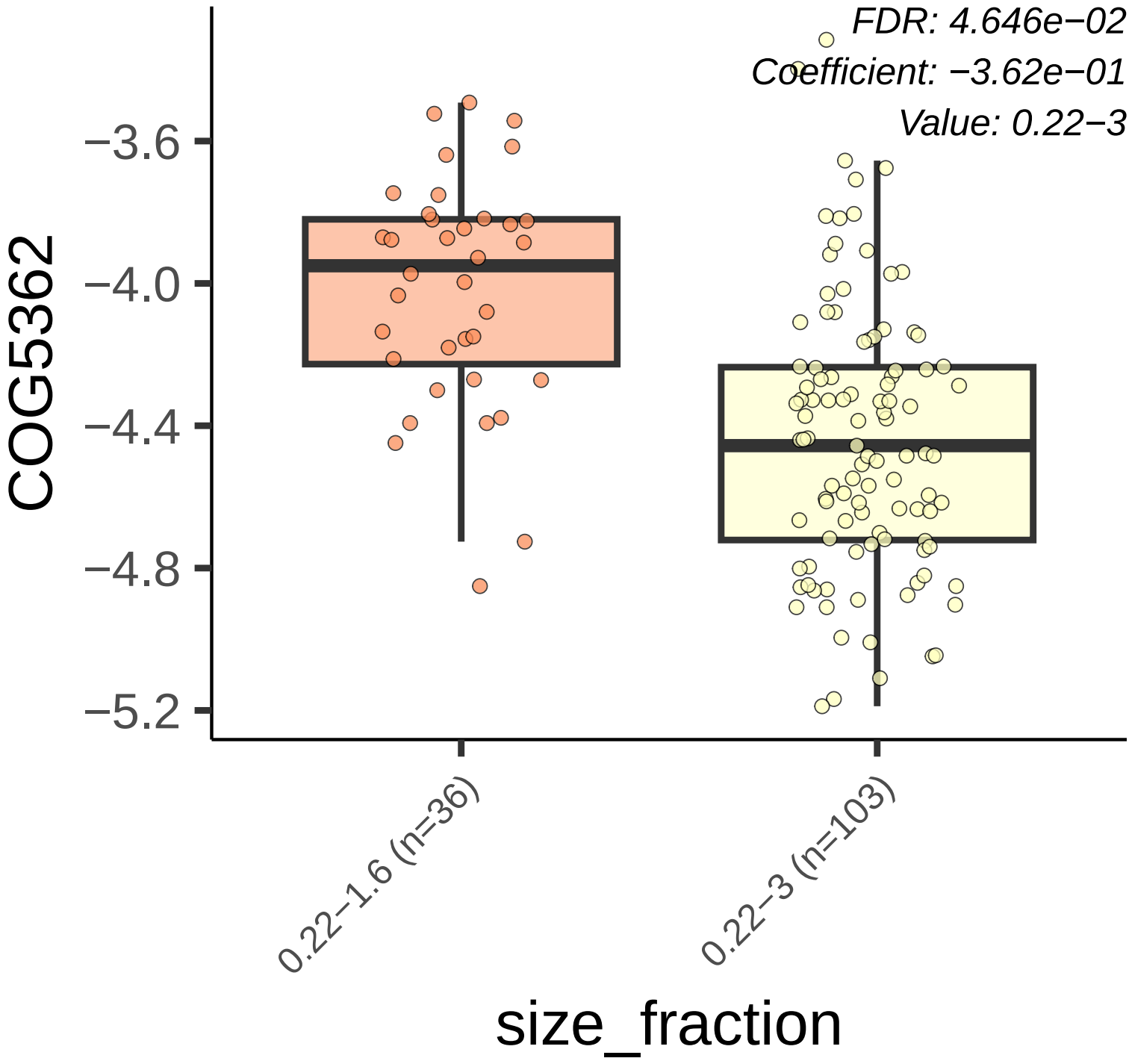

FDR: 4.576e−02
Coefficient: 1.15e−01
Value: 0.22−3
COG1574
−3.3
−3.6
−3.9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

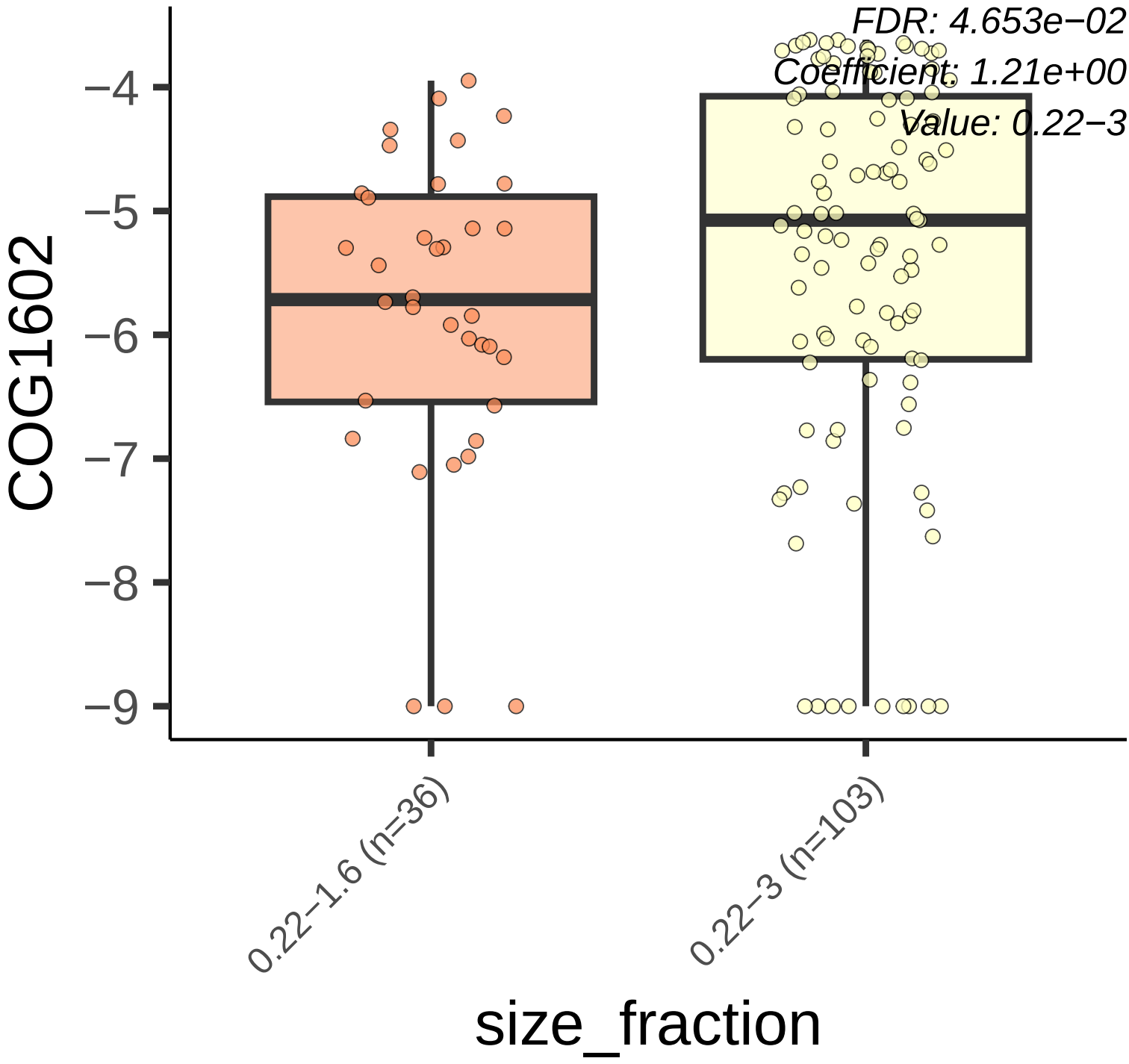

FDR: 4.600e−02
Coefficient: −4.40e−02
Value: 0.22−3
COG0801
−3.2
−3.3
−3.4
−3.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

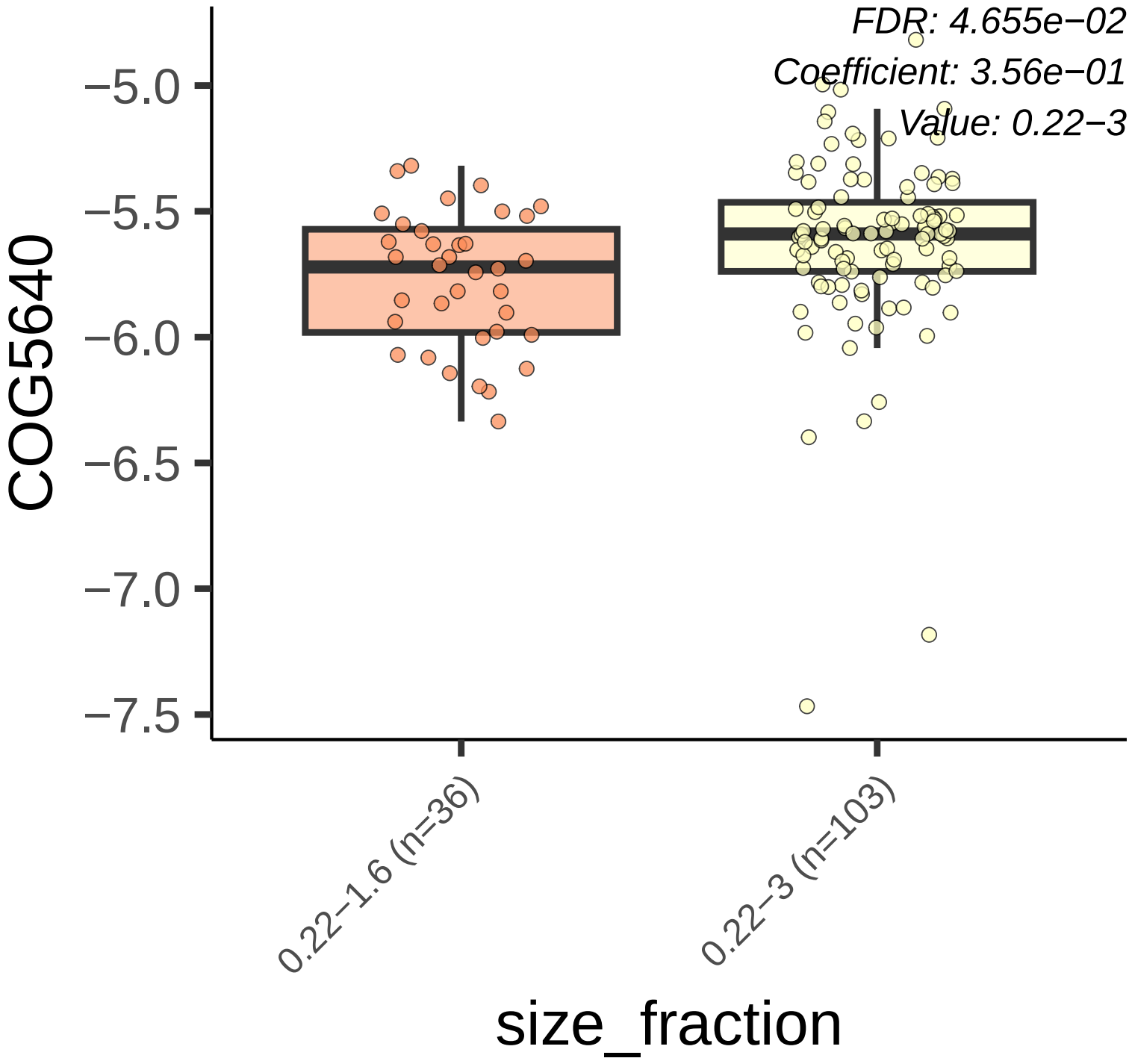

FDR: 4.610e−02
Coefficient: 5.51e−01
Value: 0.22−3
COG3253
−4
−5
−6
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

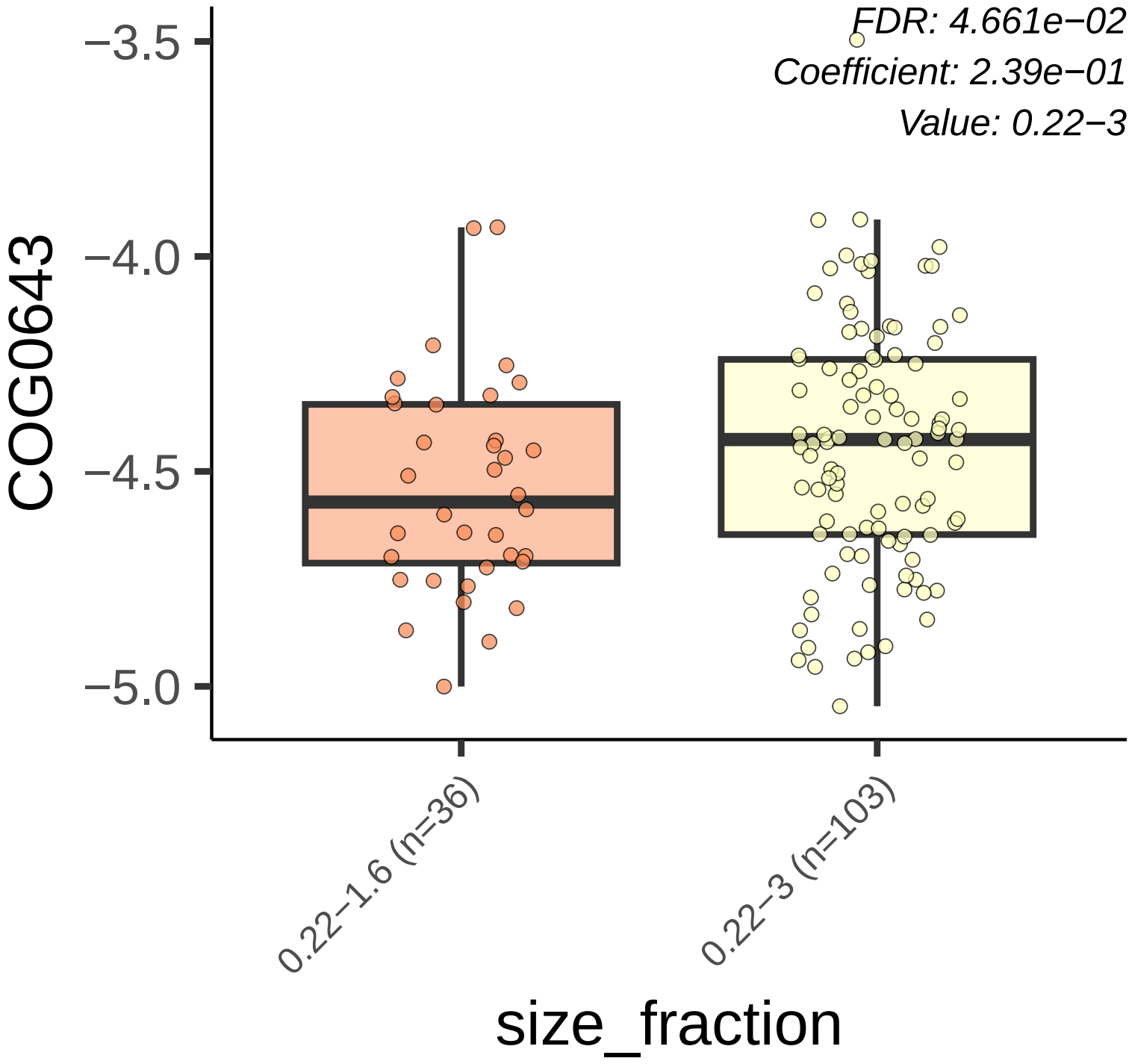

FDR: 4.632e−02
Coefficient: 1.32e−01
Value: 0.22−3
COG0615
−3.6
−3.8
−4.0
−4.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

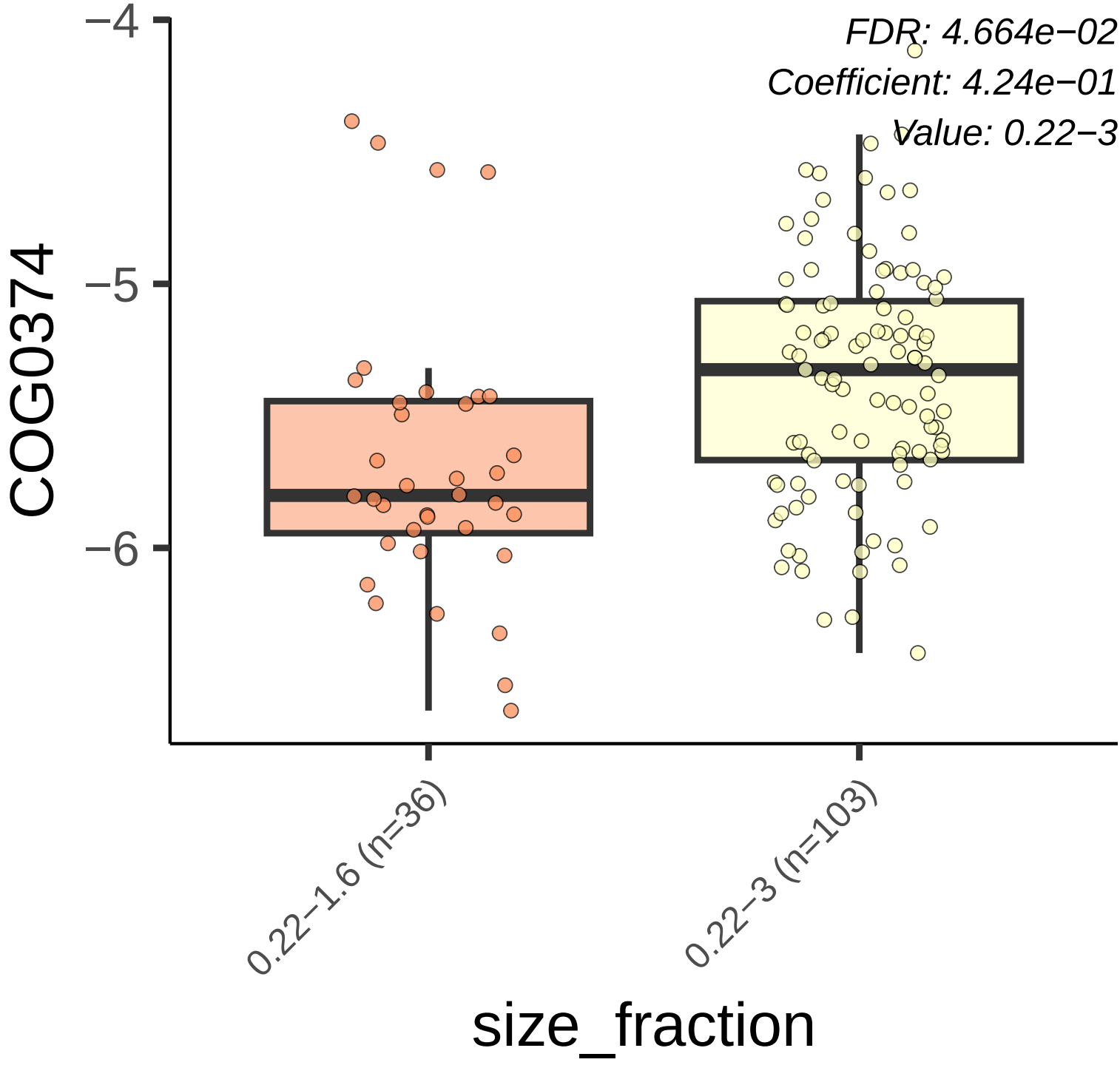

FDR: 4.640e−02
Coefficient: 1.14e+00
Value: 0.22−3
COG3779
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

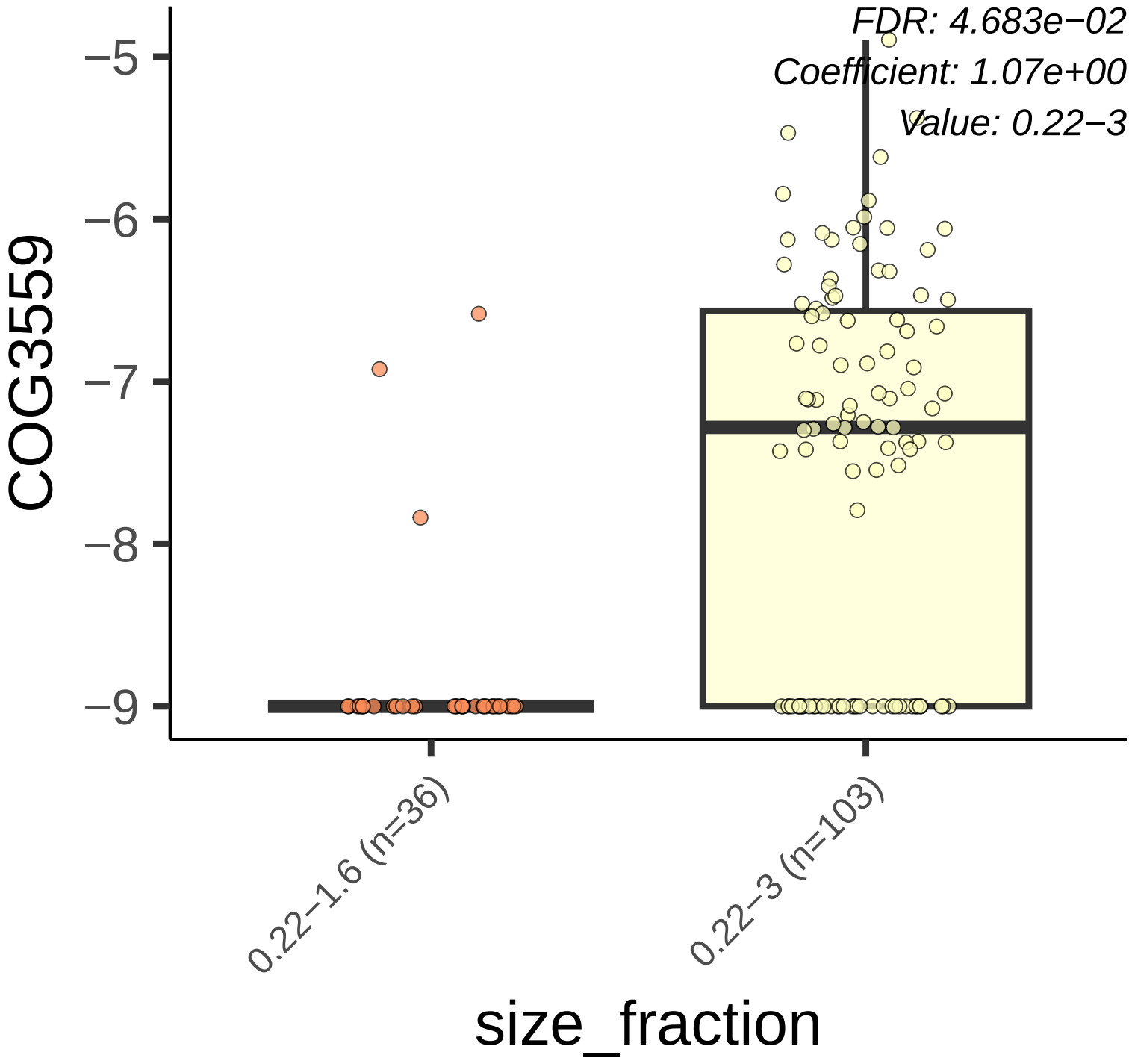

FDR: 4.646e−02
Coefficient: −3.62e−01
Value: 0.22−3
COG5362
−3.6
−4.0
−4.4
−4.8
−5.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

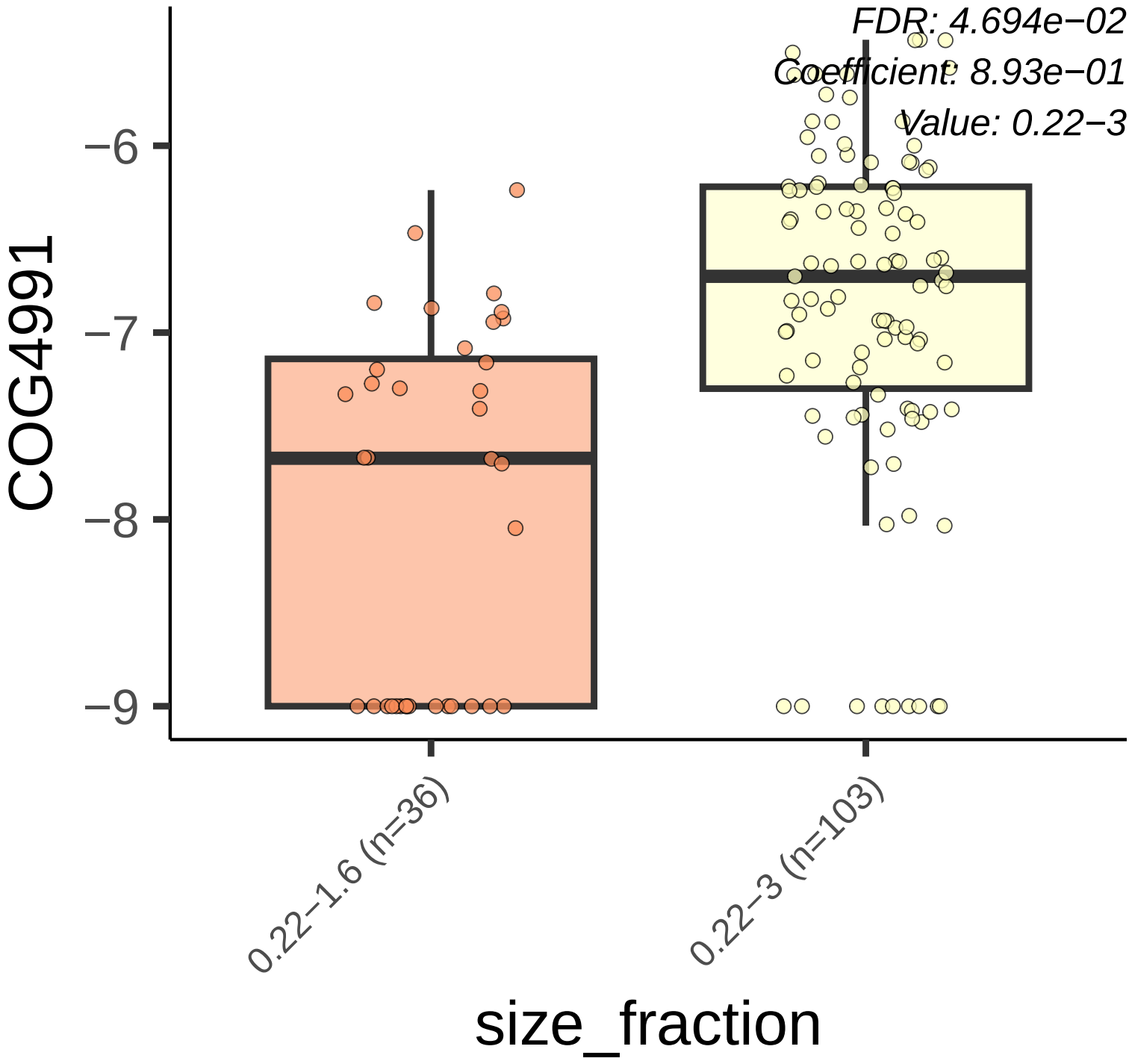

FDR: 4.653e−02
Coefficient: 1.21e+00
Value: 0.22−3
COG1602
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

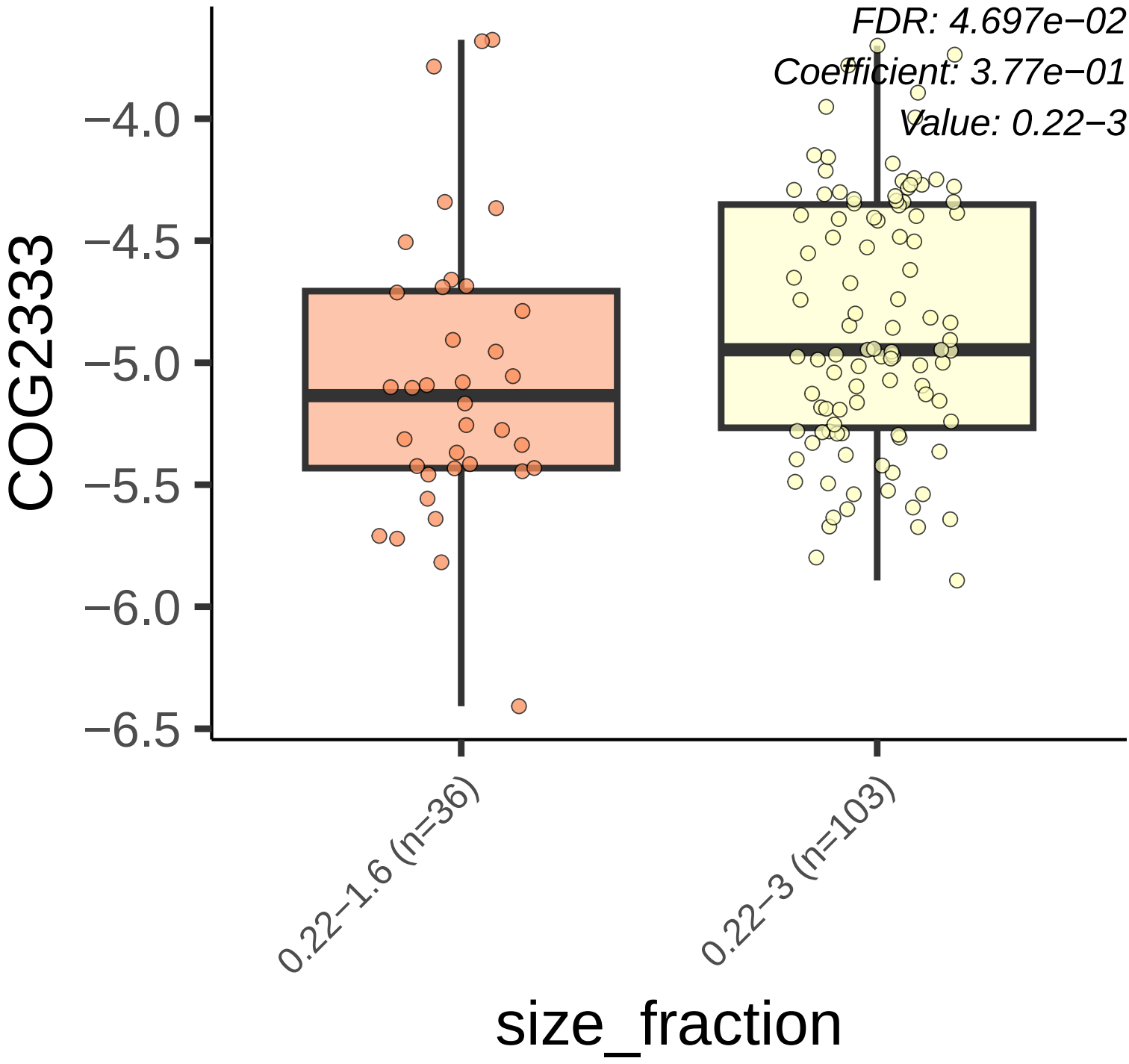

FDR: 4.655e−02
Coefficient: 3.56e−01
Value: 0.22−3
COG5640
−5.0
−5.5
−6.0
−6.5
−7.0
−7.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

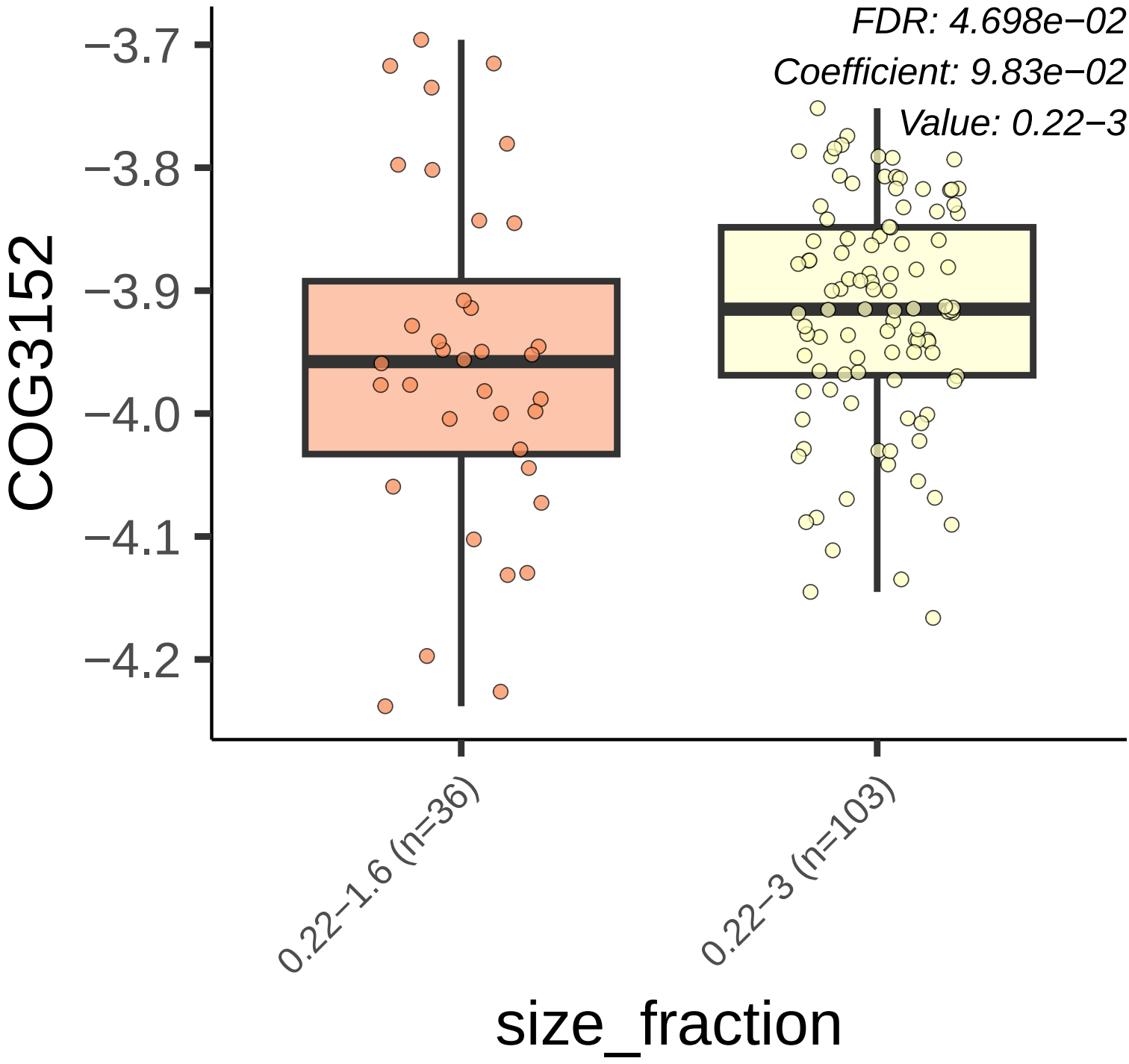

FDR: 4.661e−02
Coefficient: 2.39e−01
Value: 0.22−3
COG0643
−3.5
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

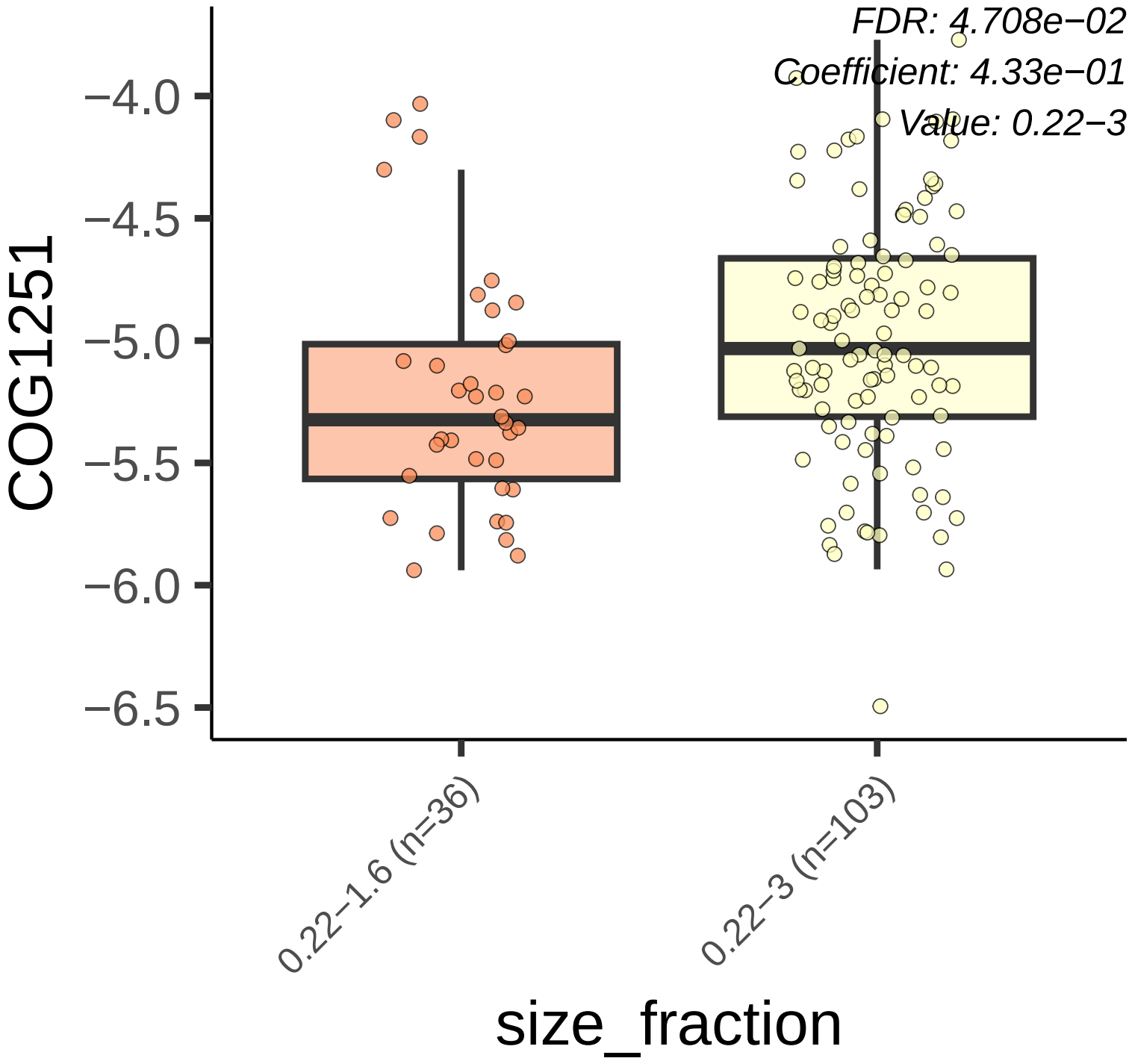

FDR: 4.664e−02
Coefficient: 4.24e−01
Value: 0.22−3
−4
−5
−6
COG0374
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

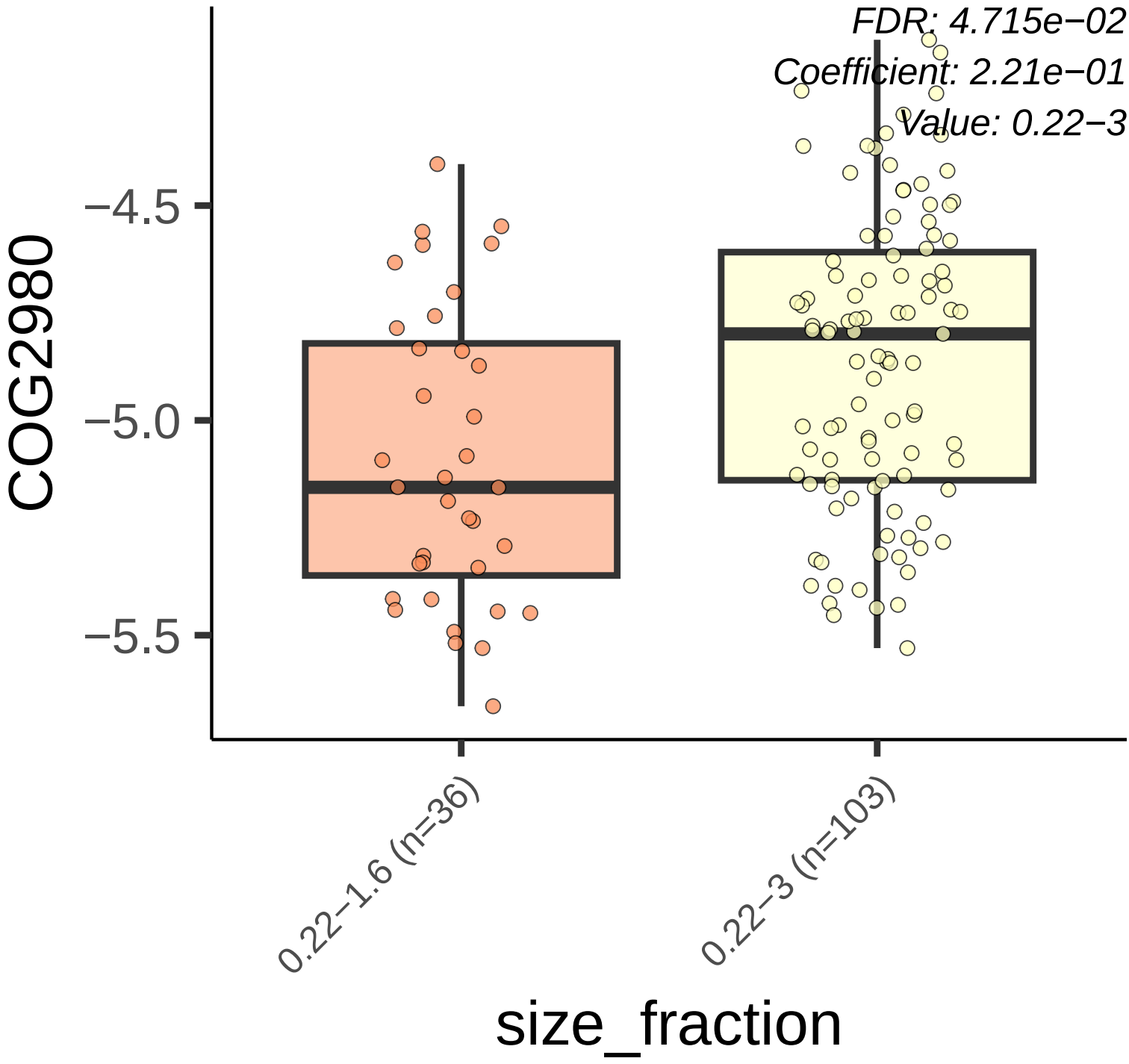

FDR: 4.683e−02
Coefficient: 1.07e+00
Value: 0.22−3
COG3559
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

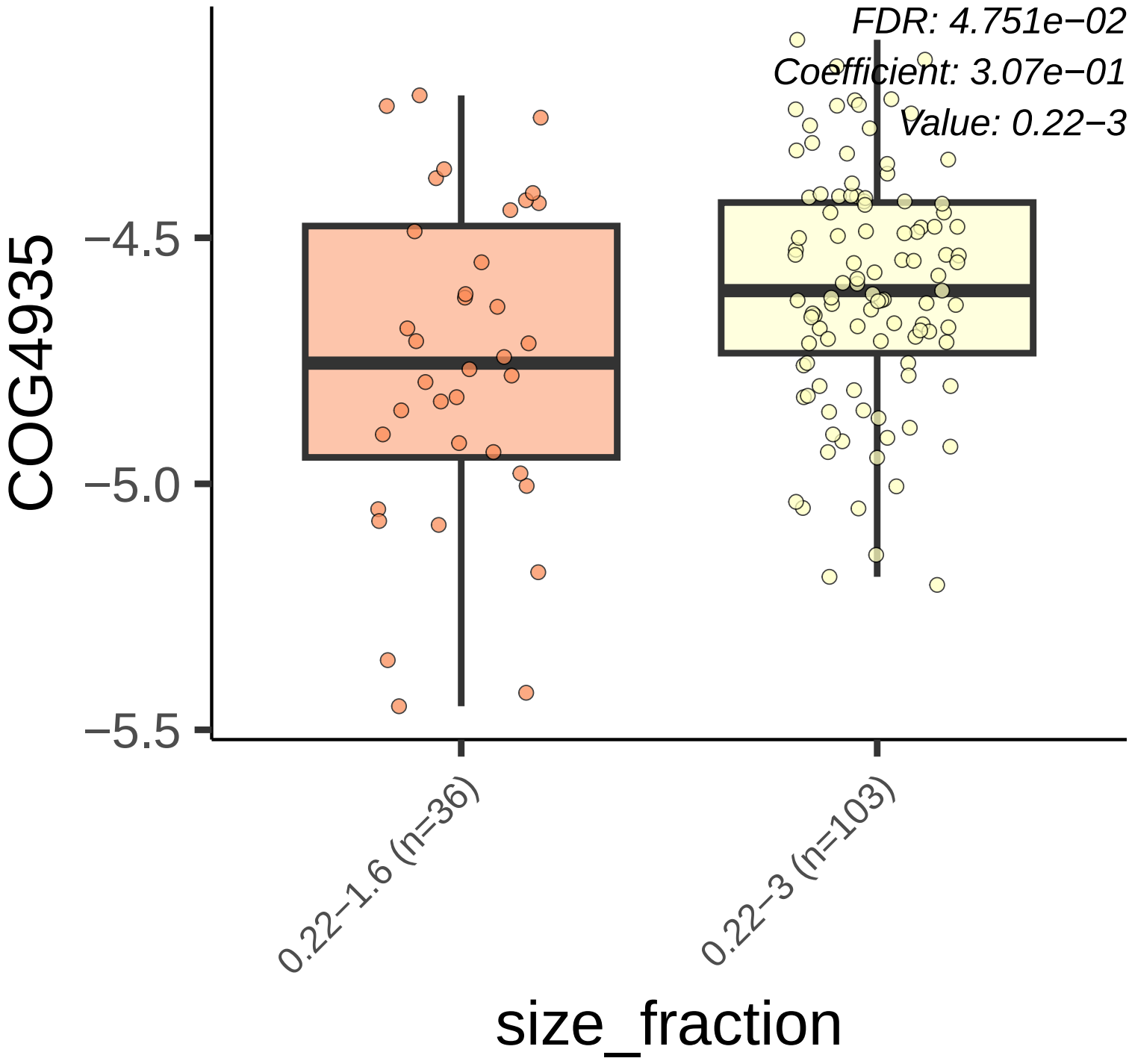

FDR: 4.694e−02
Coefficient: 8.93e−01
Value: 0.22−3
COG4991
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

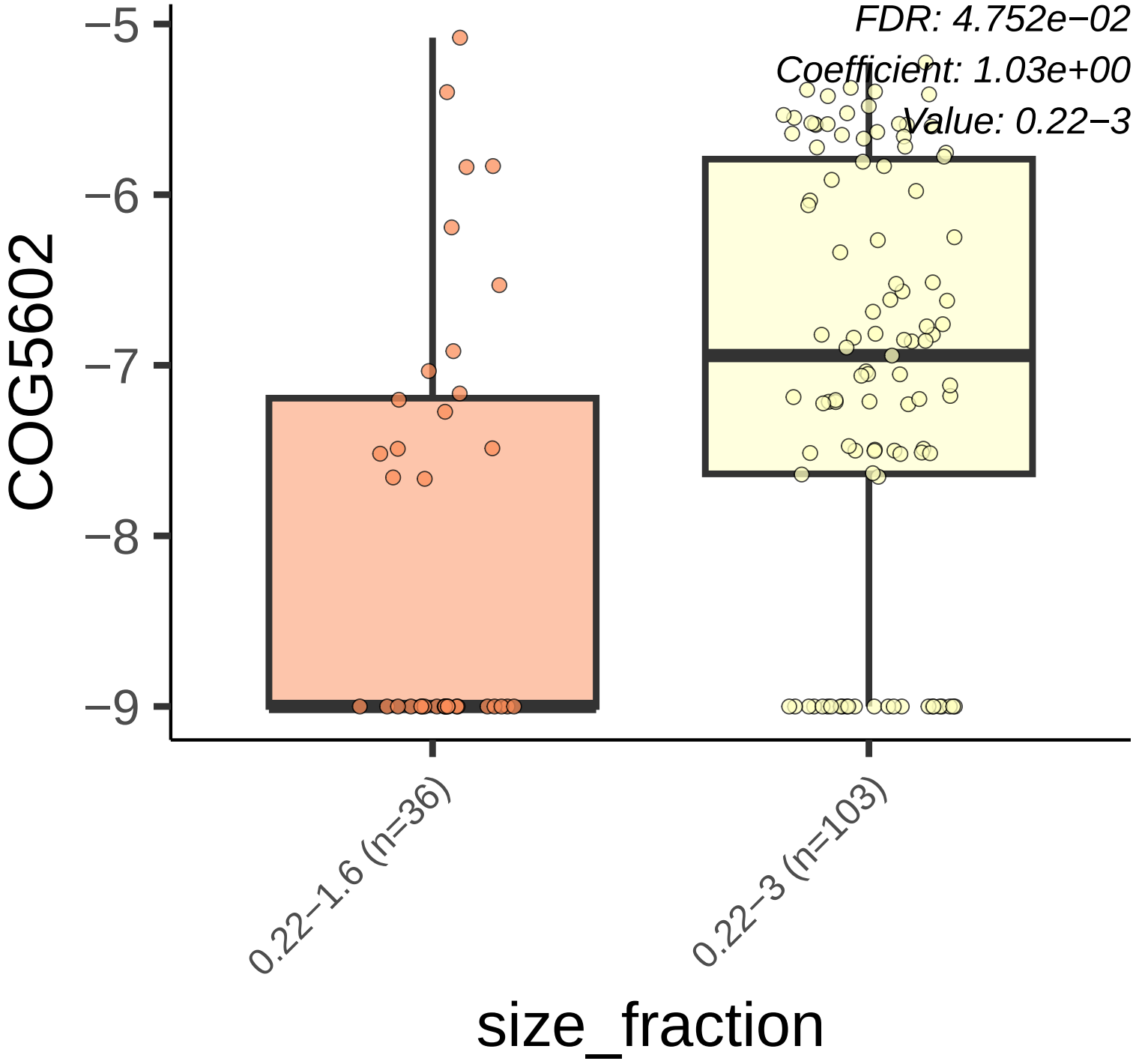

FDR: 4.697e−02
Coefficient: 3.77e−01
Value: 0.22−3
COG2333
−4.0
−4.5
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

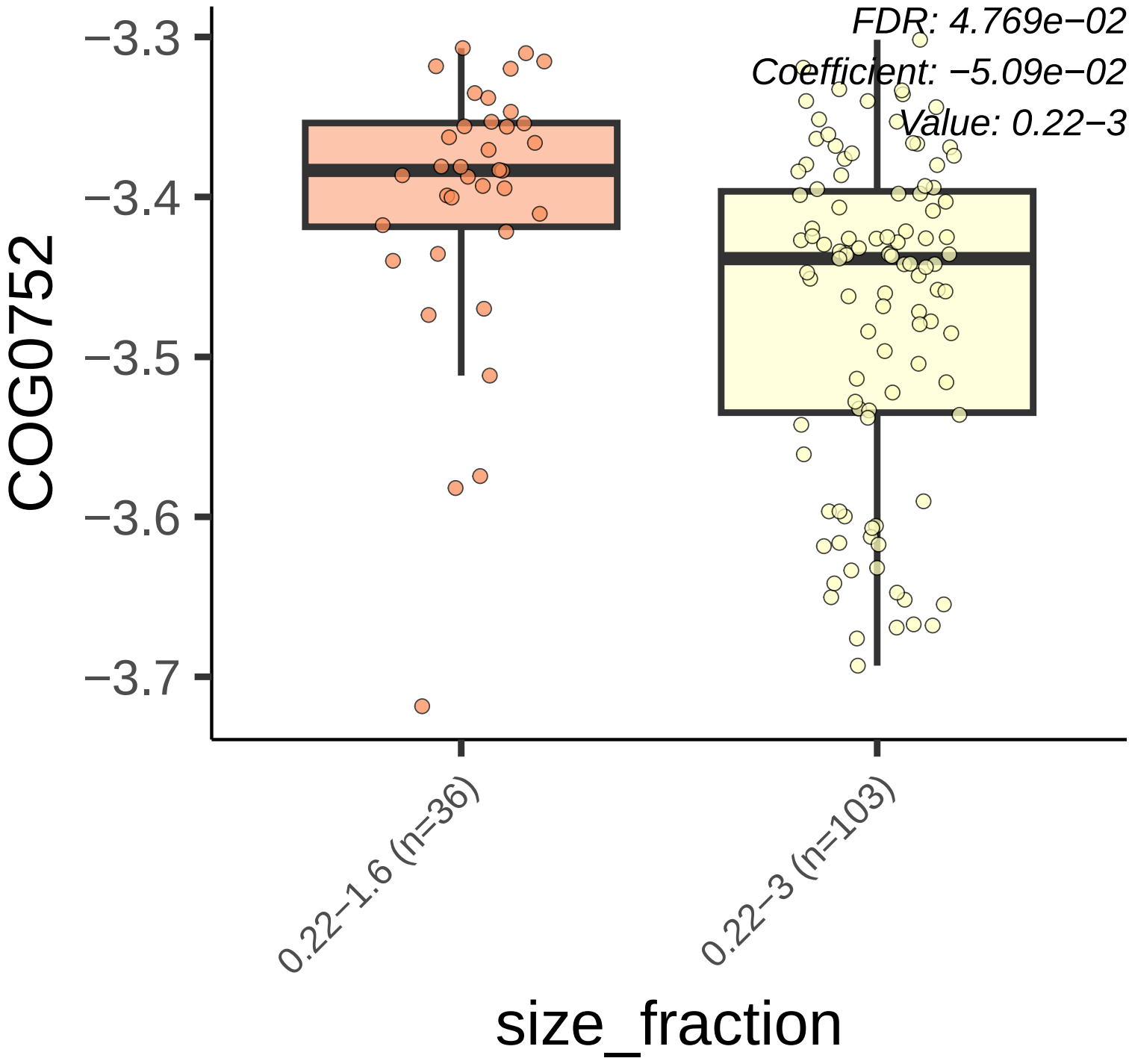

FDR: 4.698e−02
Coefficient: 9.83e−02
Value: 0.22−3
COG3152
−3.7
−3.8
−3.9
−4.0
−4.1
−4.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

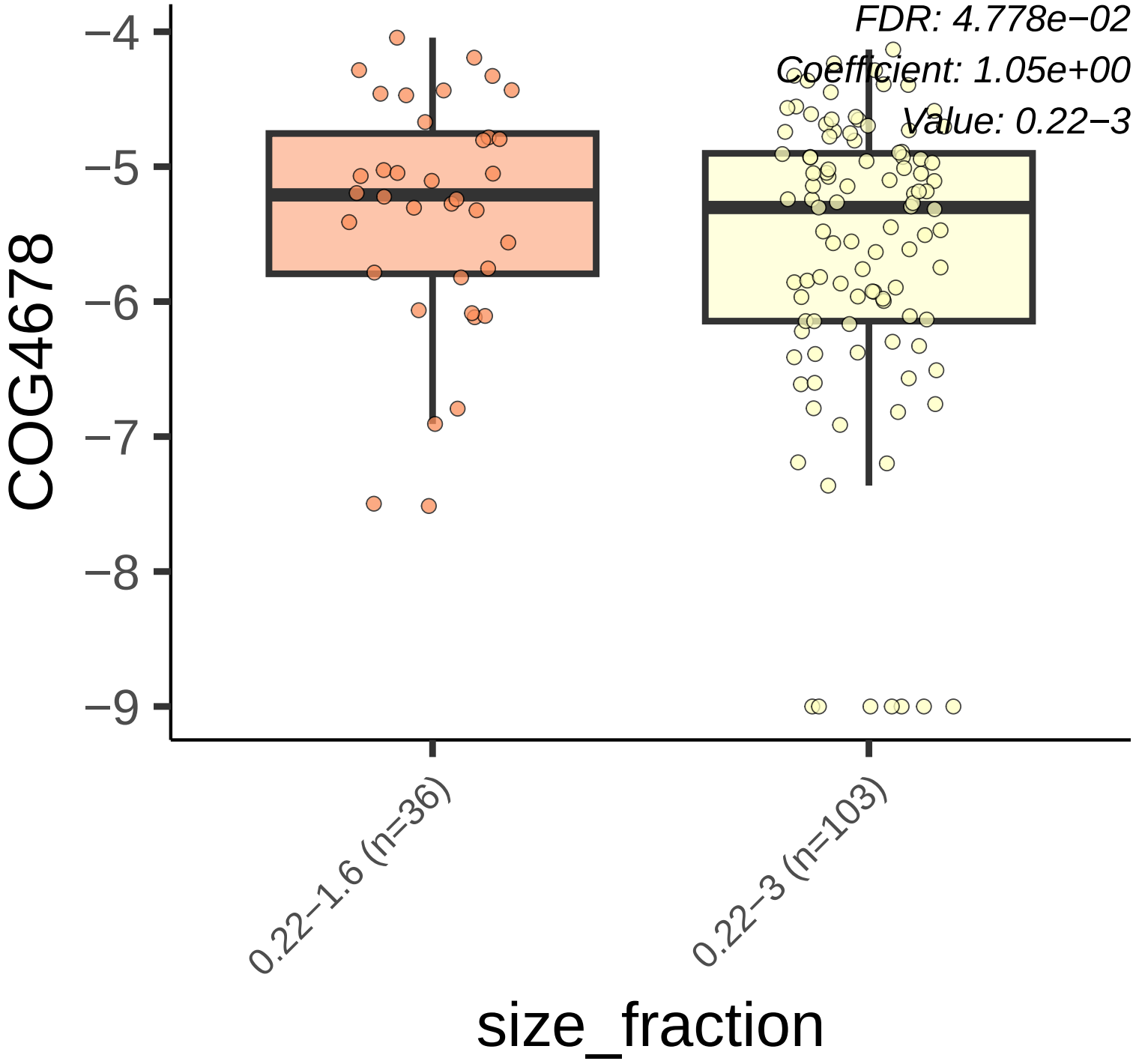

FDR: 4.708e−02
Coefficient: 4.33e−01
Value: 0.22−3
COG1251
−4.0
−4.5
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

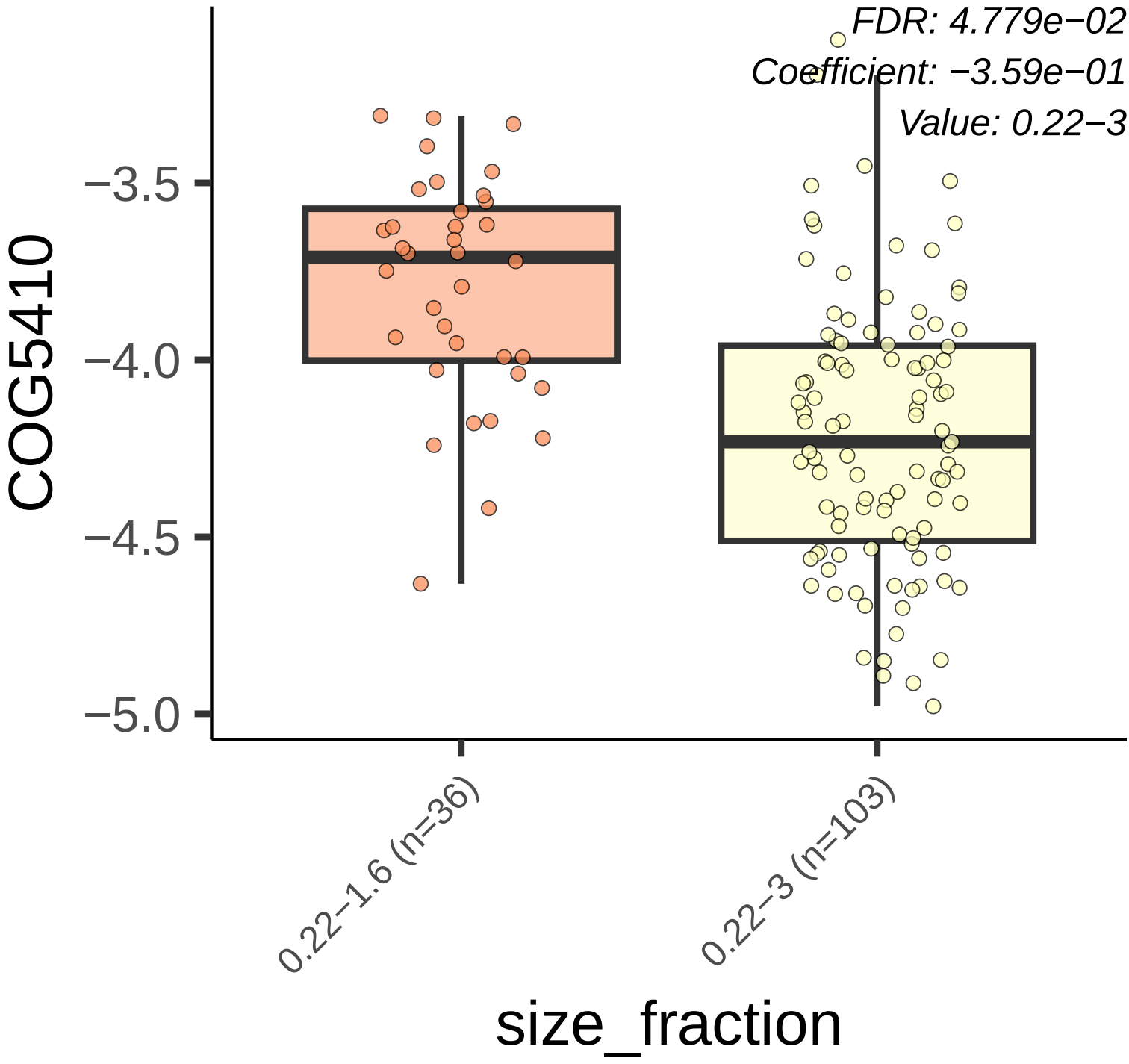

FDR: 4.715e−02
Coefficient: 2.21e−01
Value: 0.22−3
COG2980
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

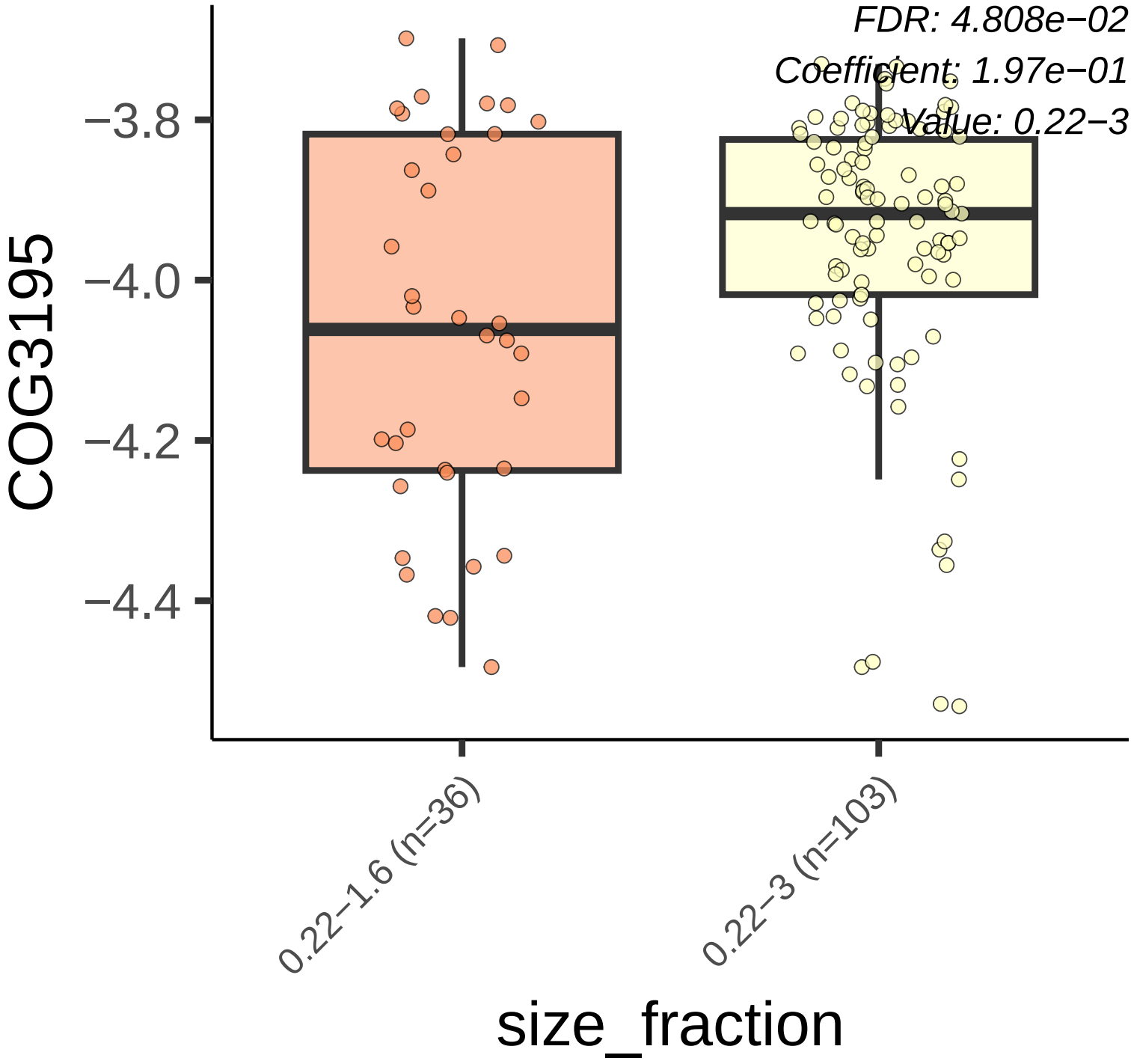

FDR: 4.751e−02
Coefficient: 3.07e−01
Value: 0.22−3
COG4935
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

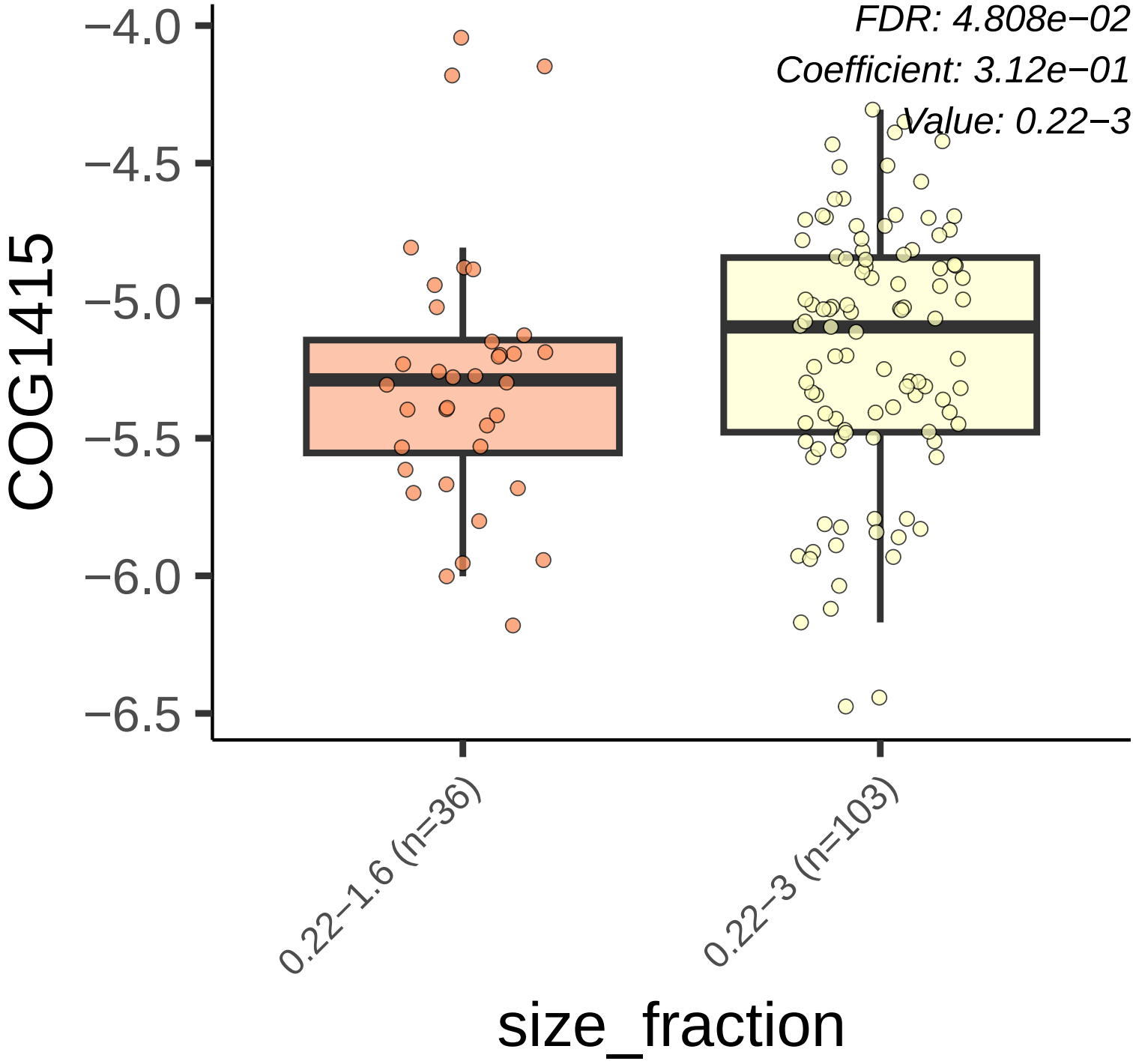

FDR: 4.752e−02
Coefficient: 1.03e+00
Value: 0.22−3
COG5602
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

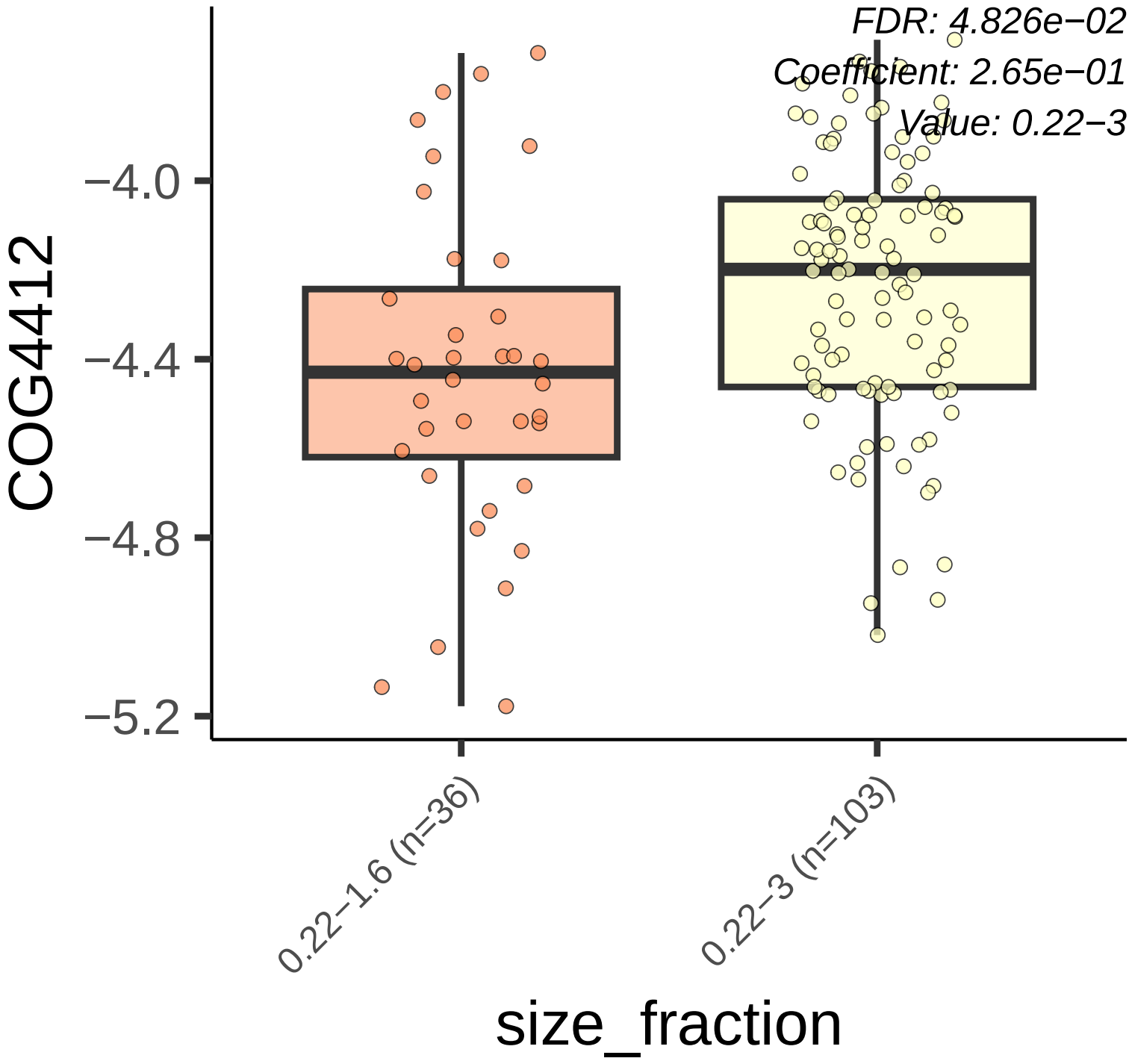

FDR: 4.769e−02
Coefficient: −5.09e−02
Value: 0.22−3
COG0752
−3.3
−3.4
−3.5
−3.6
−3.7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

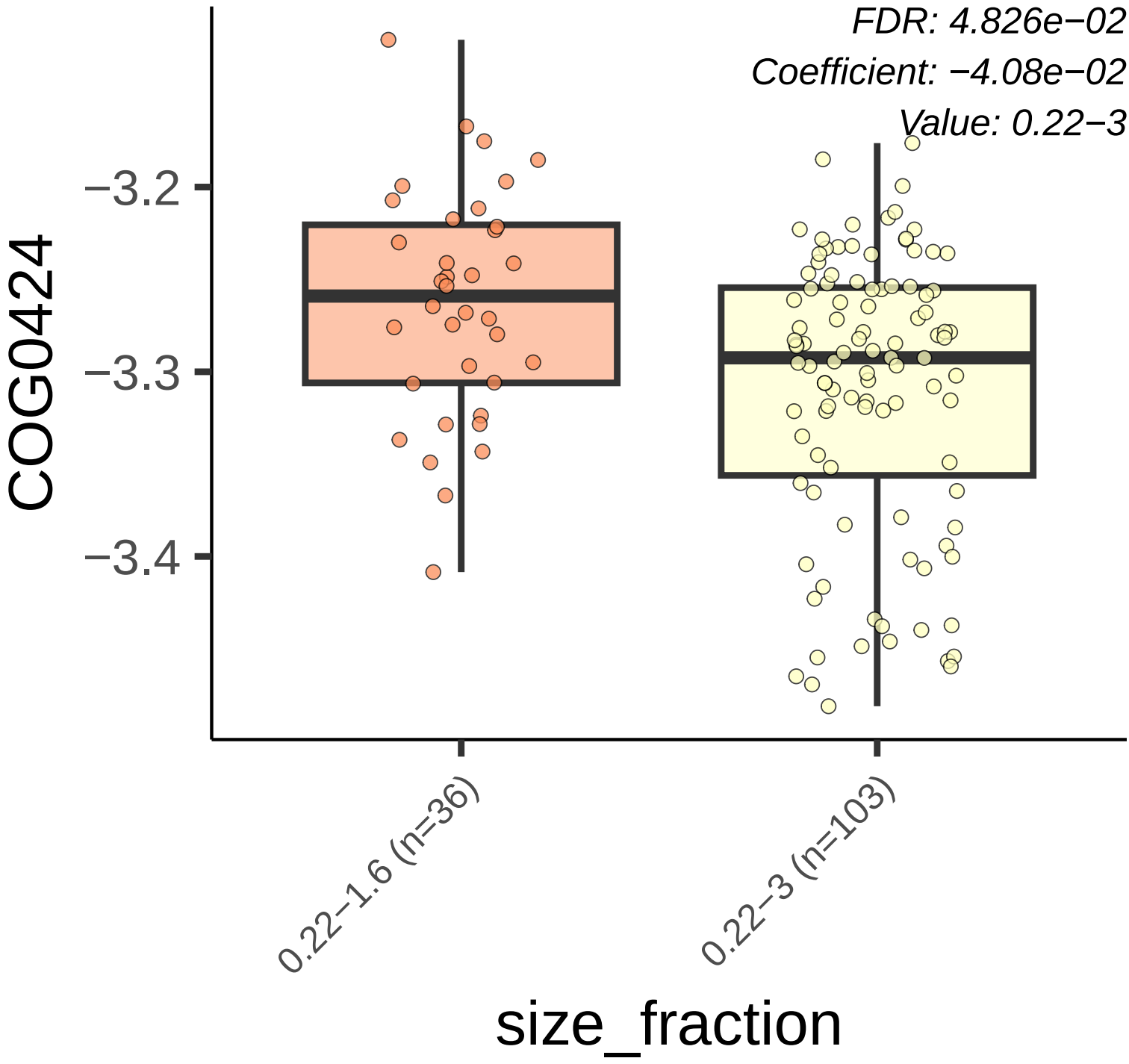

FDR: 4.778e−02
Coefficient: 1.05e+00
Value: 0.22−3
COG4678
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

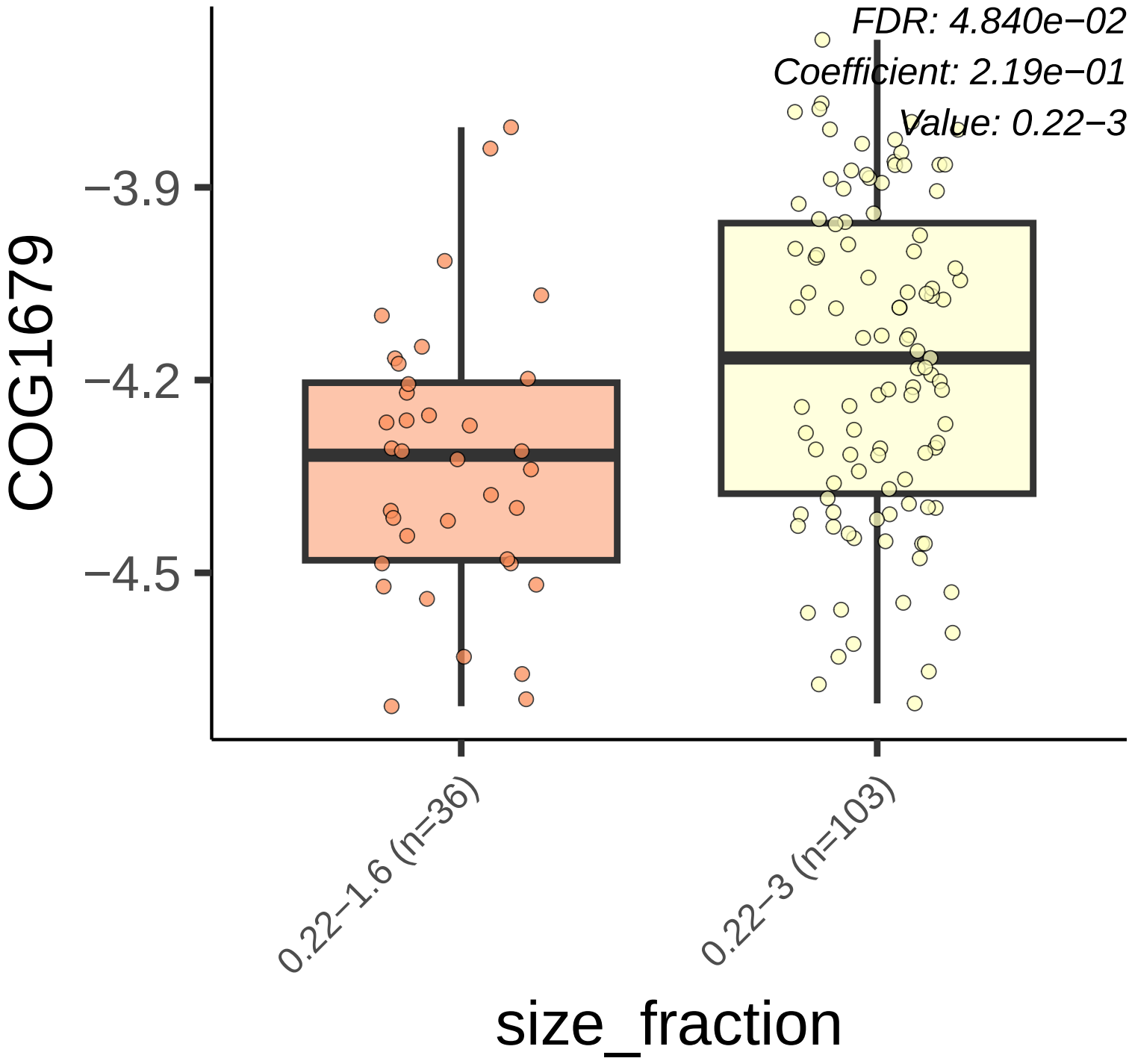

FDR: 4.779e−02
Coefficient: −3.59e−01
Value: 0.22−3
COG5410
−3.5
−4.0
−4.5
−5.0
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

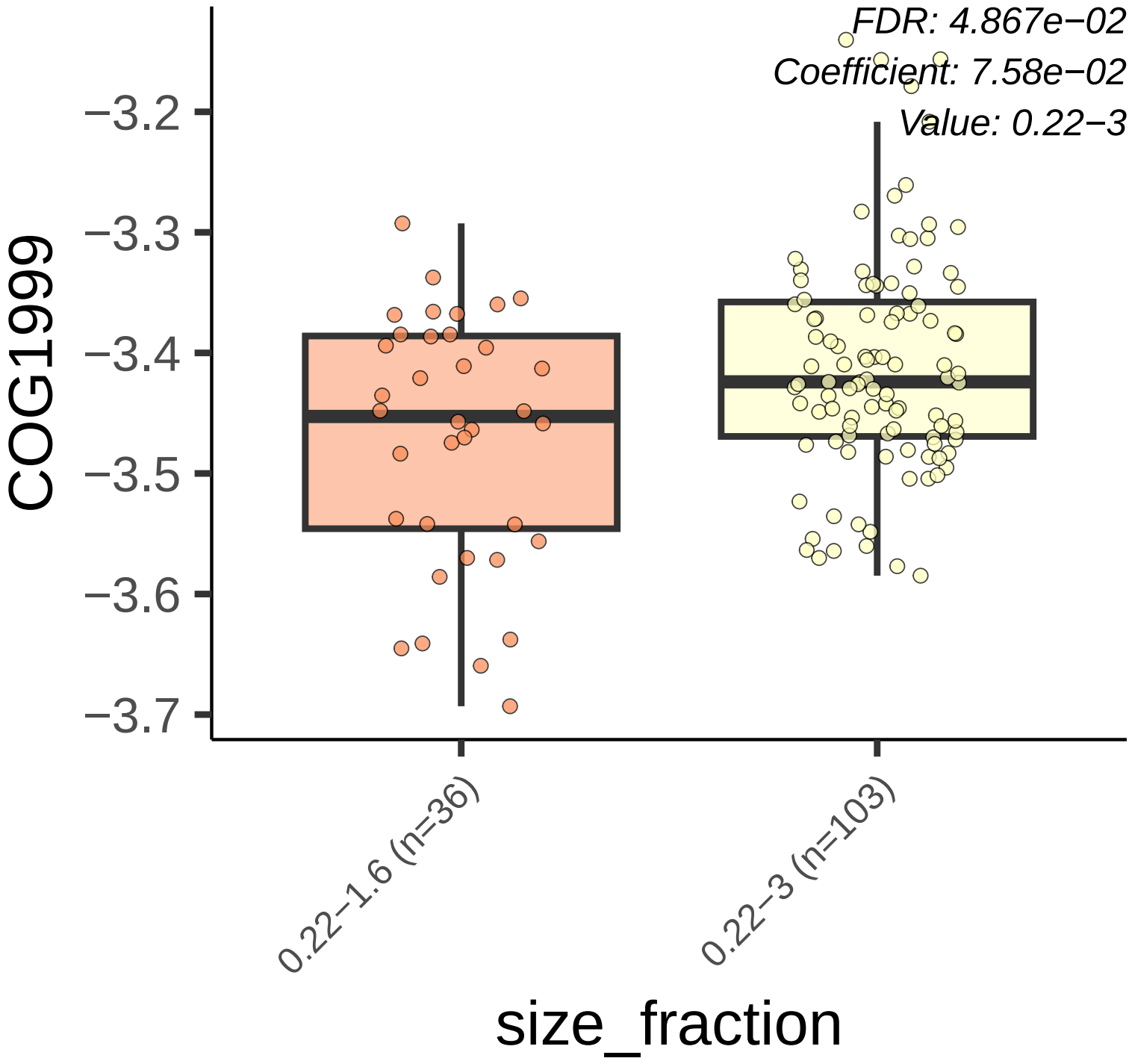

FDR: 4.808e−02
Coefficient: 1.97e−01
Value: 0.22−3
COG3195
−3.8
−4.0
−4.2
−4.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

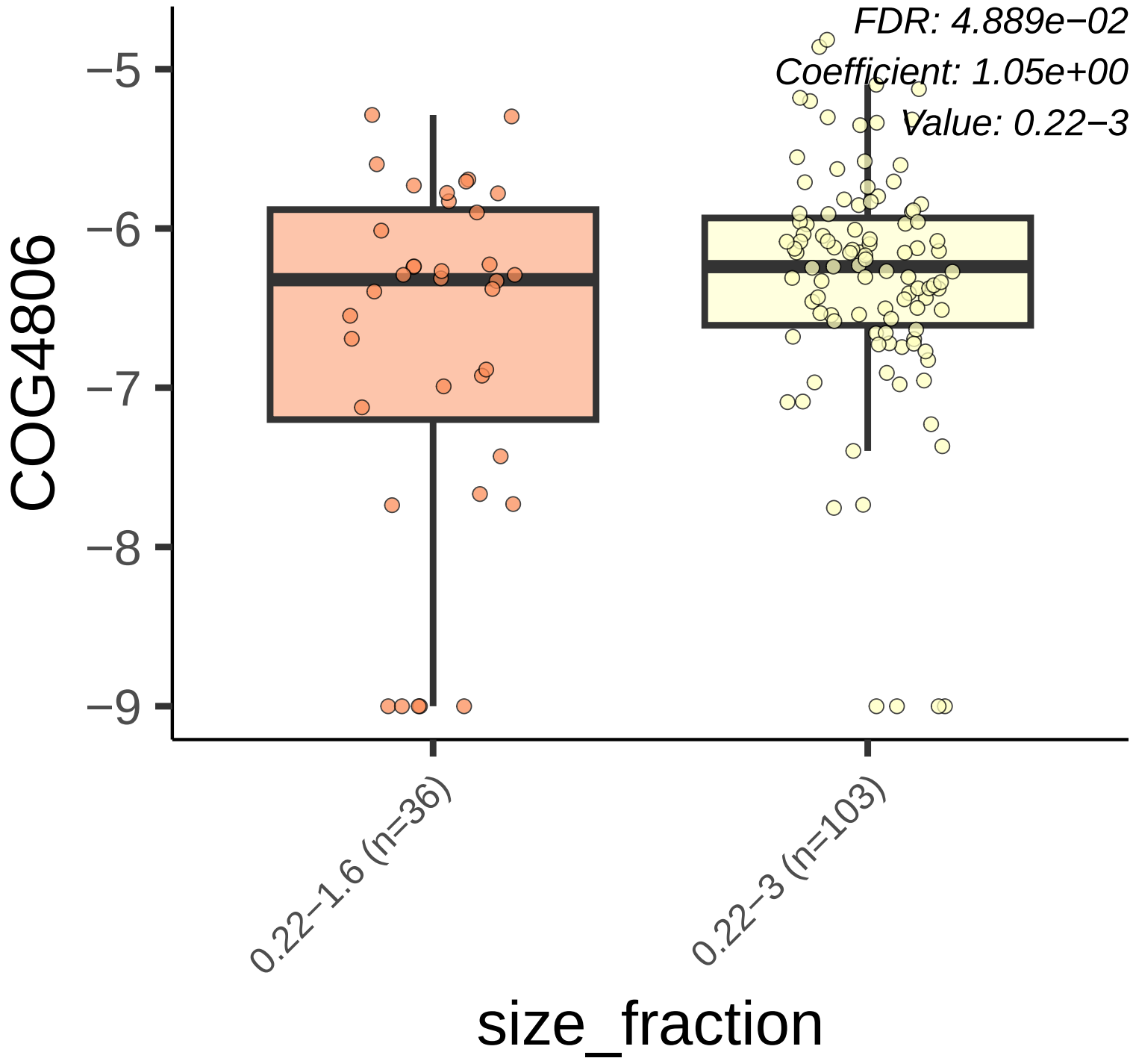

FDR: 4.808e−02
Coefficient: 3.12e−01
Value: 0.22−3
COG1415
−4.0
−4.5
−5.0
−5.5
−6.0
−6.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

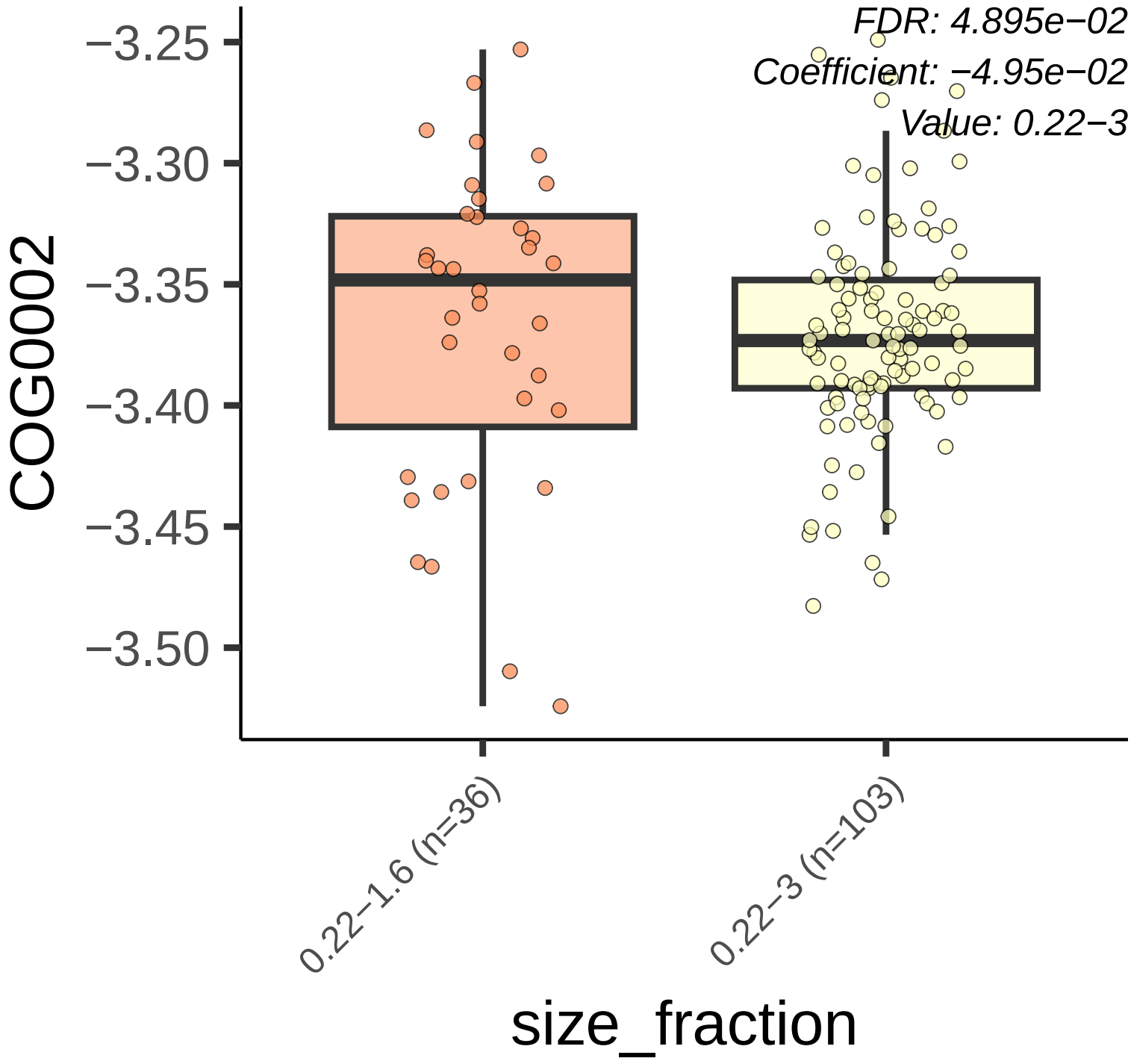

FDR: 4.826e−02
Coefficient: 2.65e−01
Value: 0.22−3
COG4412
−4.0
−4.4
−4.8
−5.2
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.826e−02
Coefficient: −4.08e−02
Value: 0.22−3
COG0424
−3.2
−3.3
−3.4
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.840e−02
Coefficient: 2.19e−01
Value: 0.22−3
COG1679
−3.9
−4.2
−4.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.867e−02
Coefficient: 7.58e−02
Value: 0.22−3
COG1999
−3.2
−3.3
−3.4
−3.5
−3.6
−3.7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.889e−02
Coefficient: 1.05e+00
Value: 0.22−3
COG4806
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.895e−02
Coefficient: −4.95e−02
Value: 0.22−3
COG0002
−3.25
−3.30
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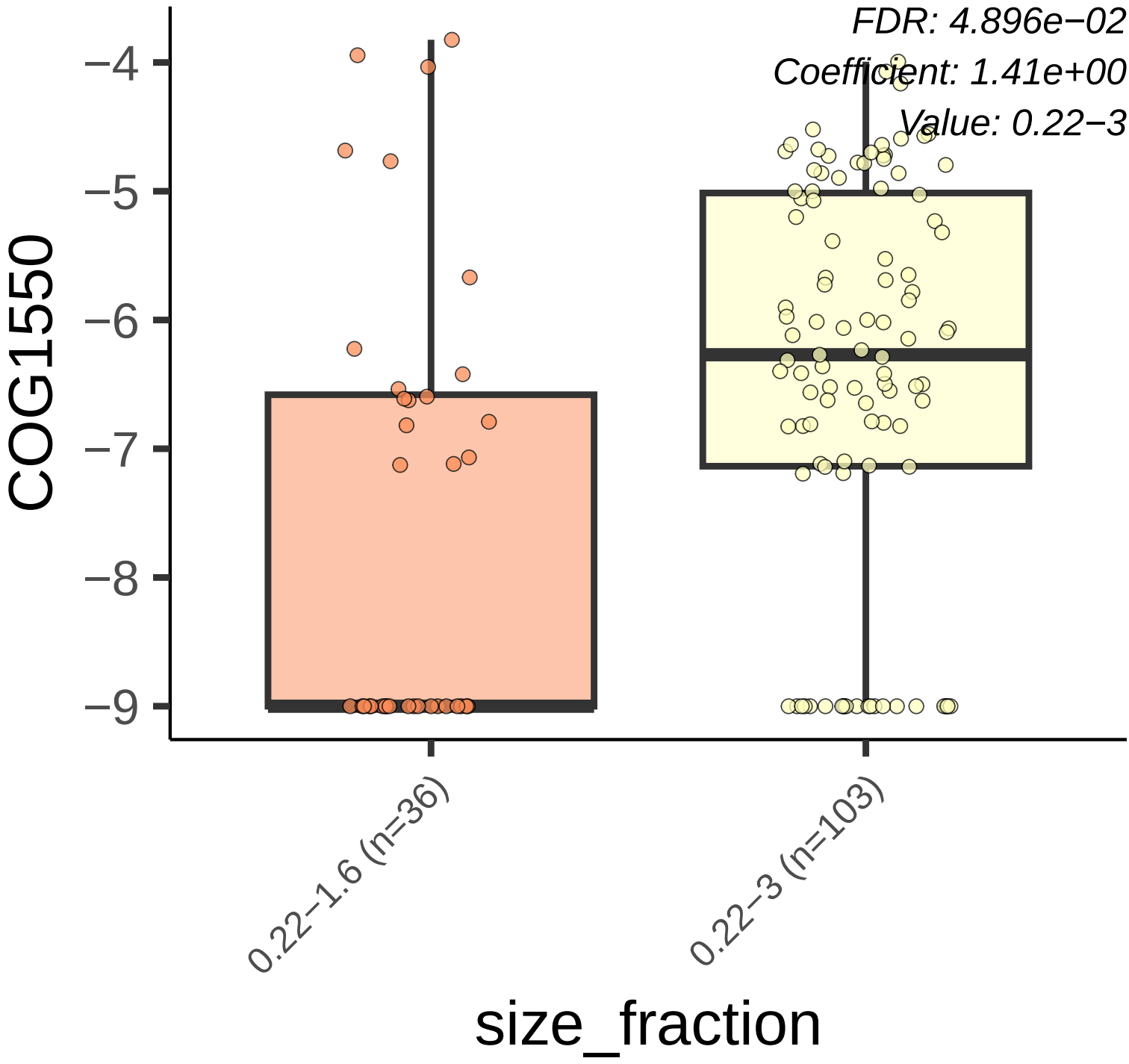
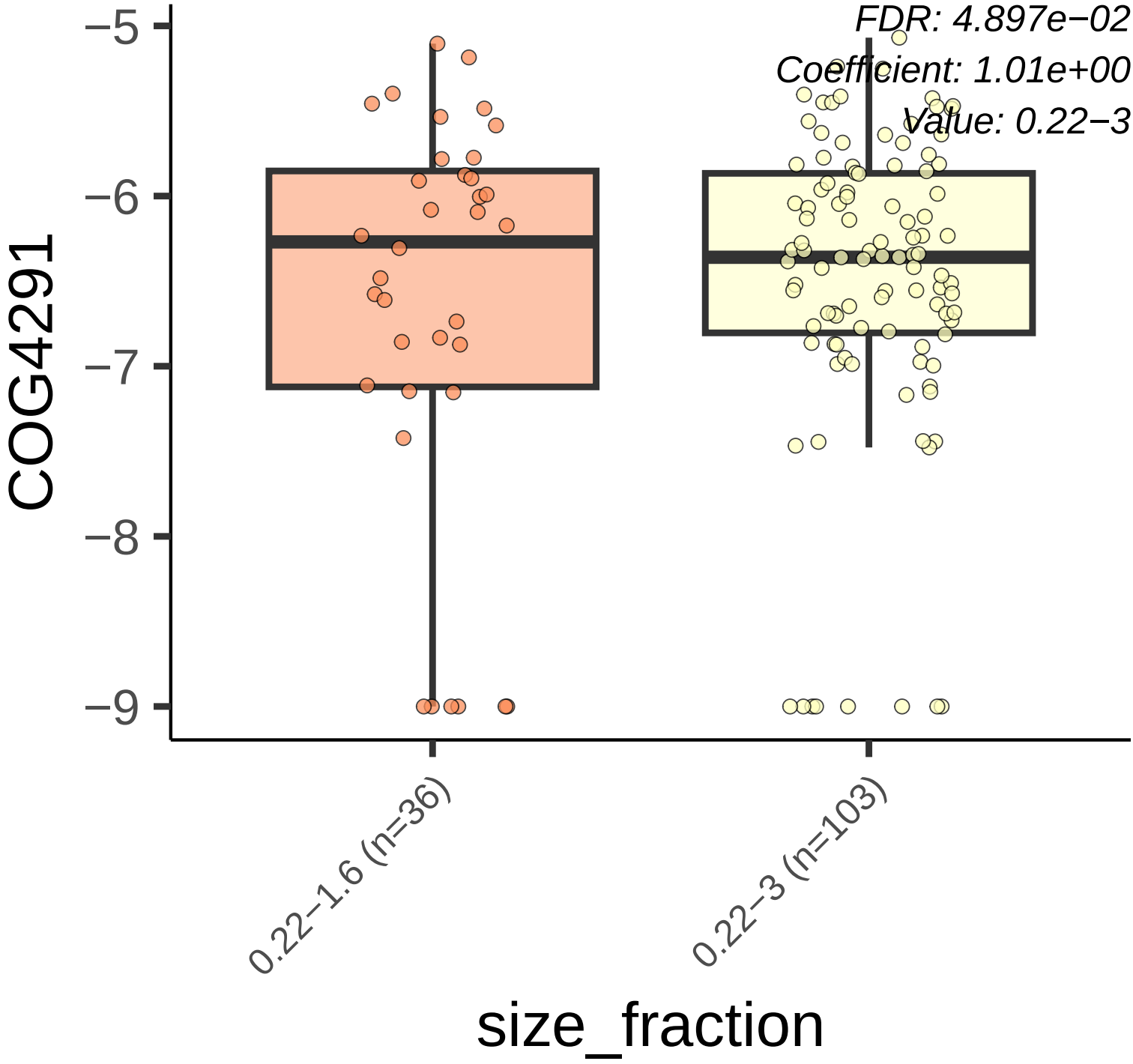
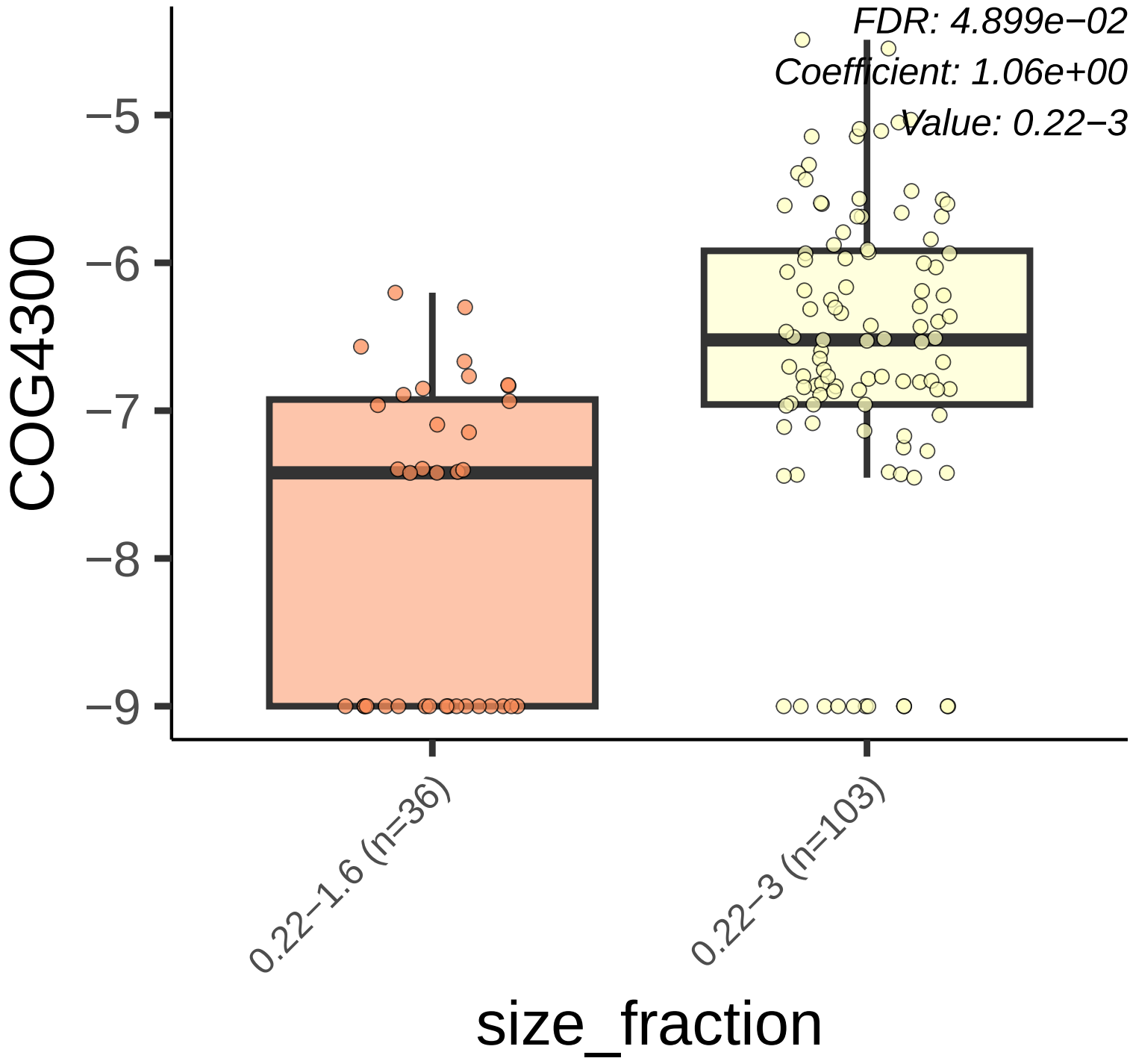
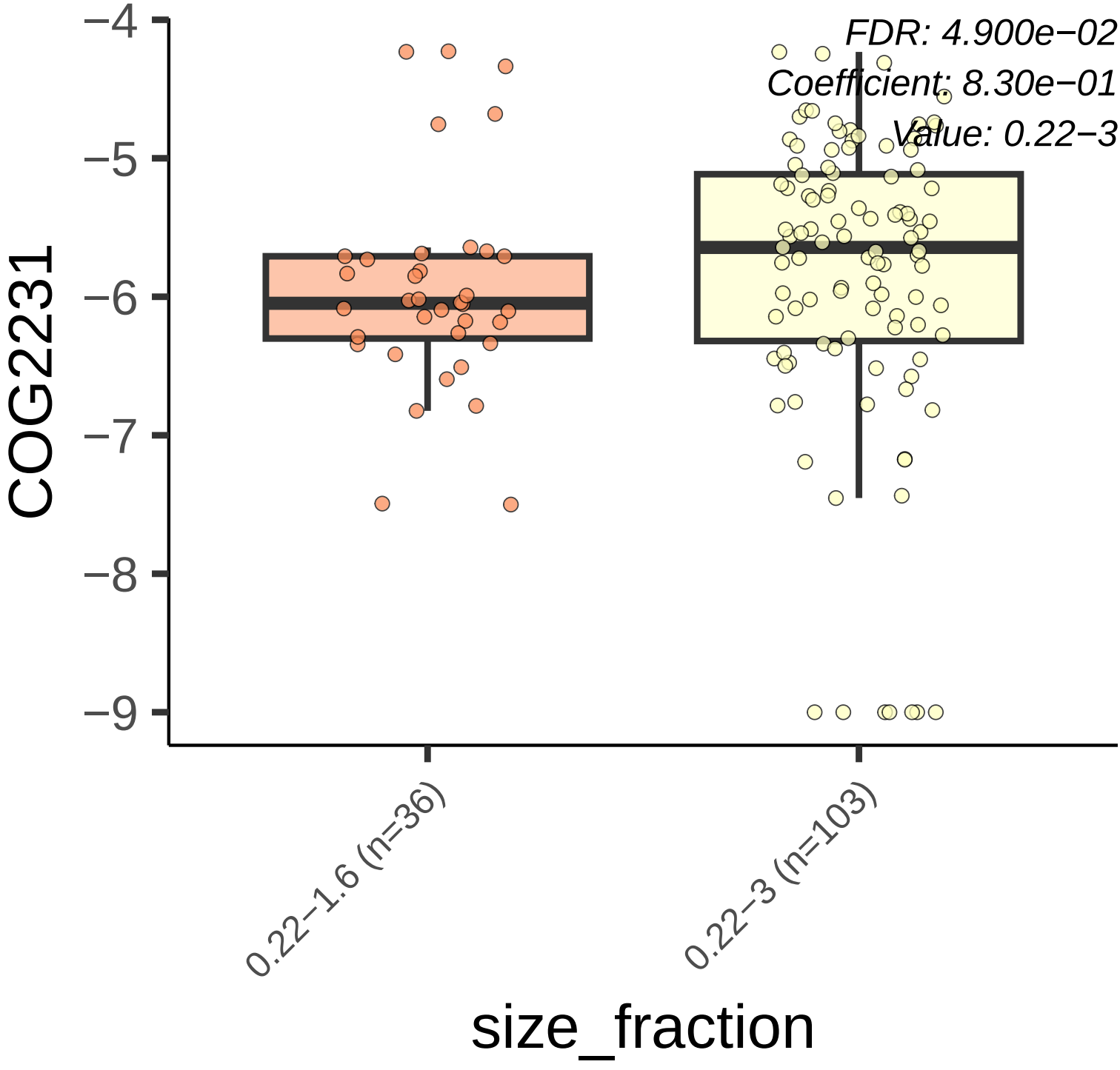
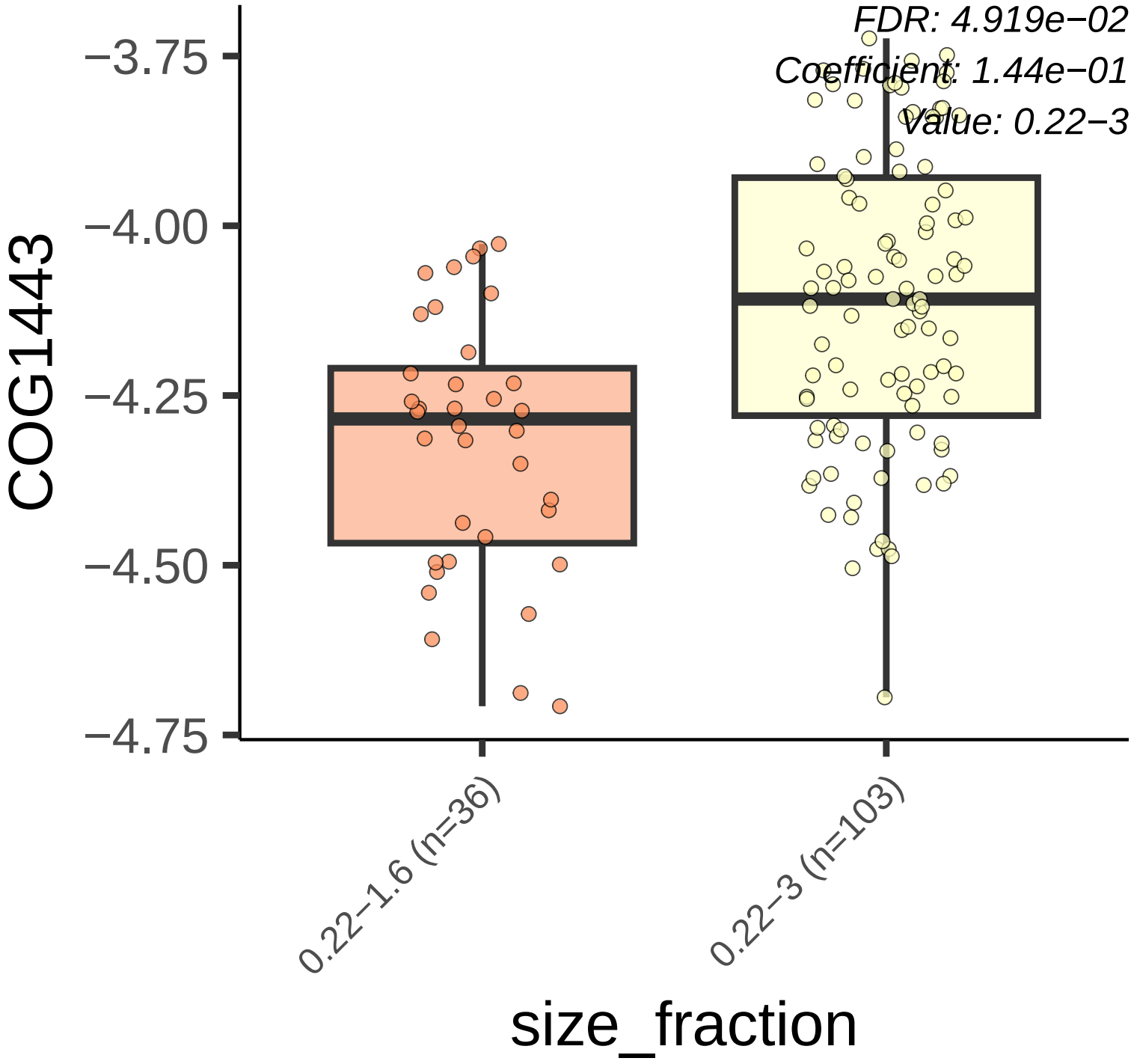
−3.45
−3.50
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

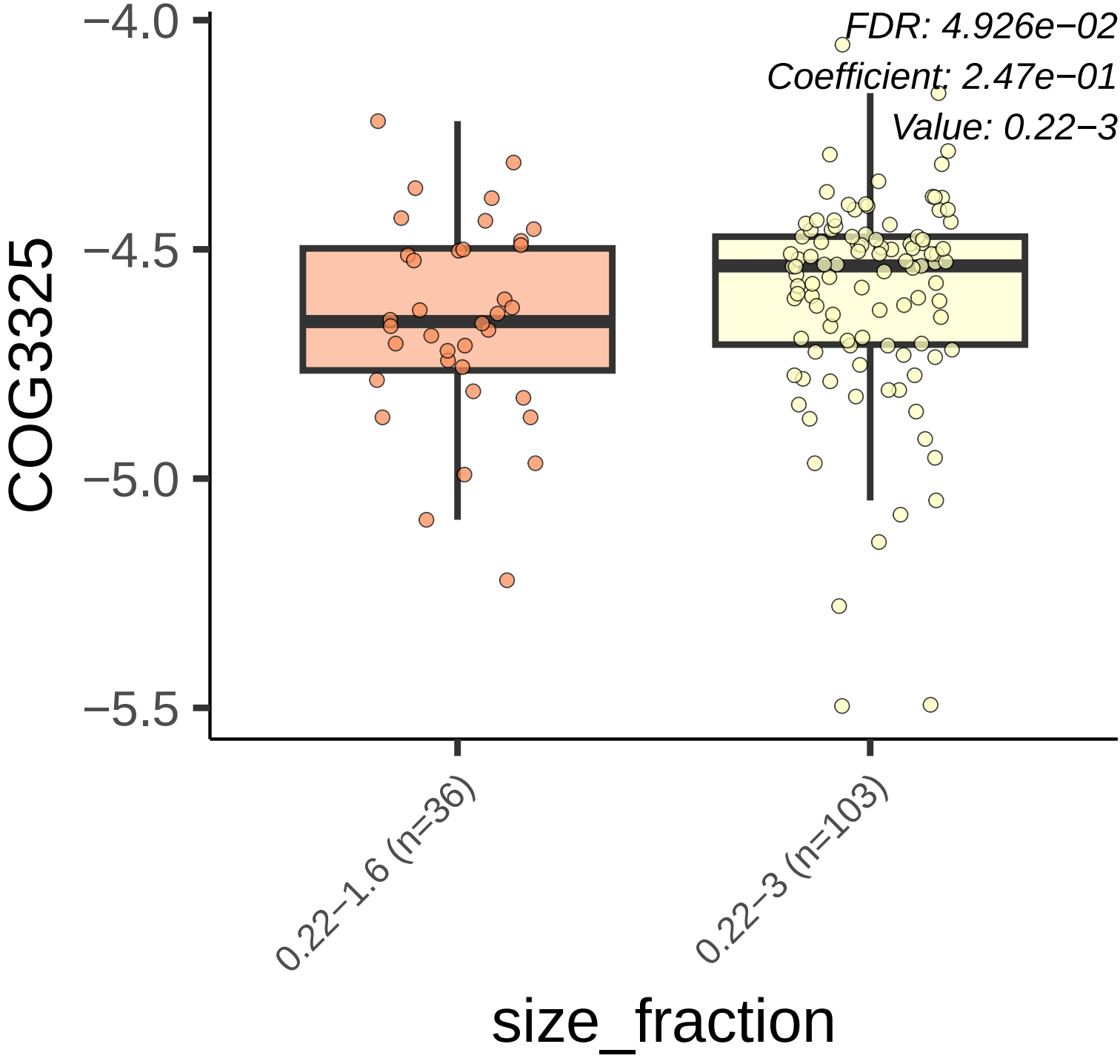

FDR: 4.896e−02
Coefficient: 1.41e+00
Value: 0.22−3
COG1550
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

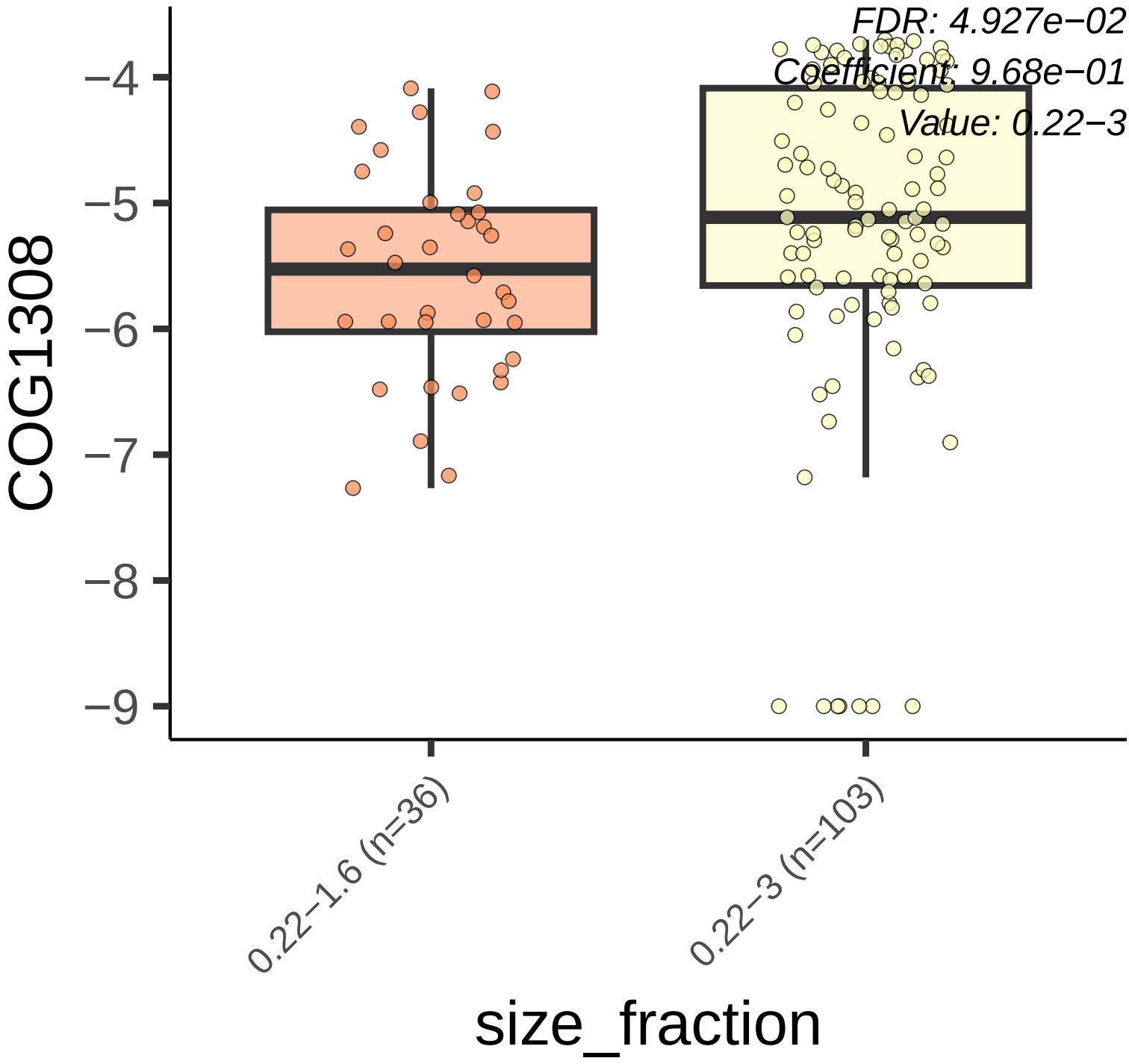

FDR: 4.897e−02
Coefficient: 1.01e+00
Value: 0.22−3
COG4291
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

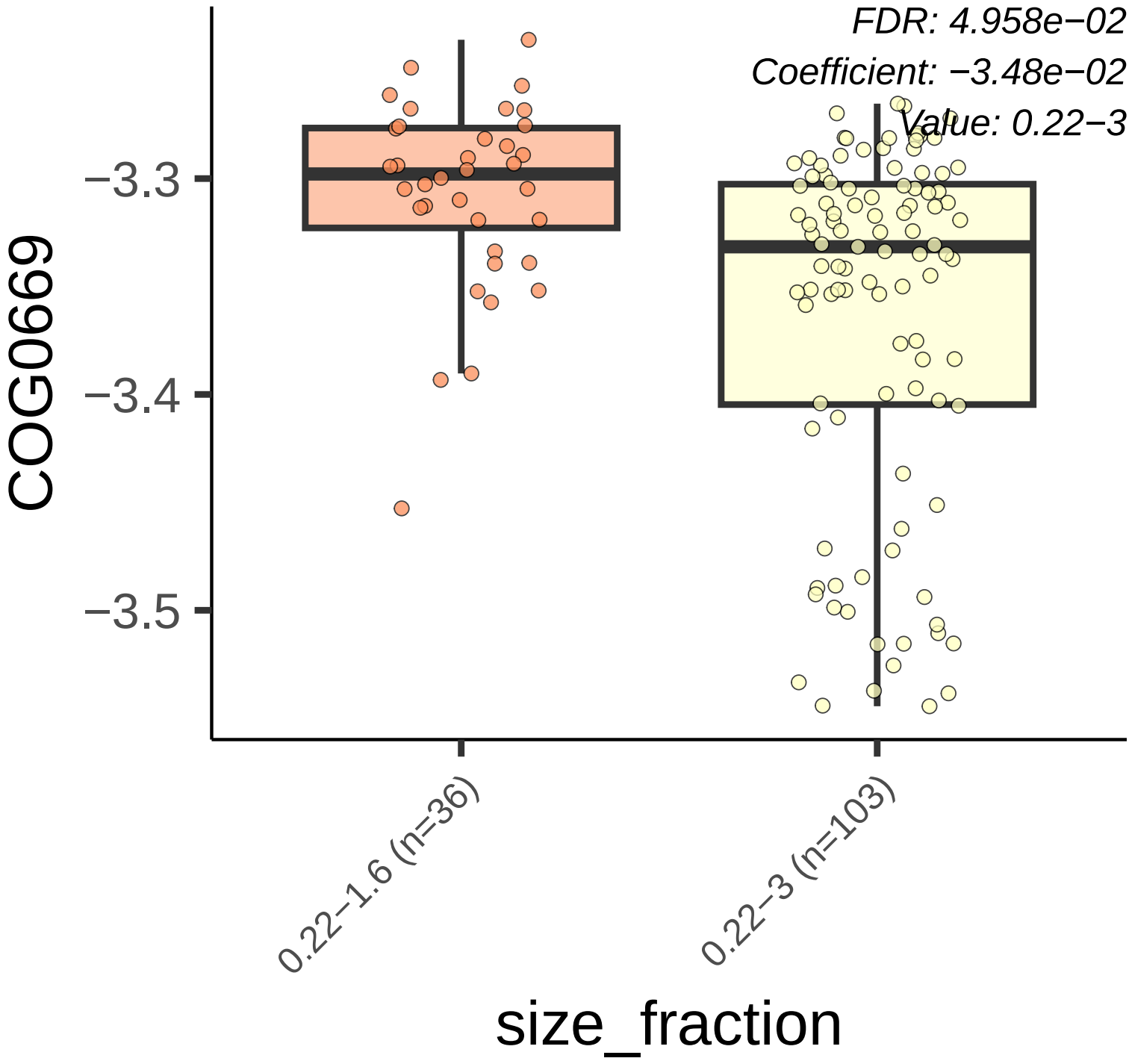

FDR: 4.899e−02
Coefficient: 1.06e+00
Value: 0.22−3
COG4300
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

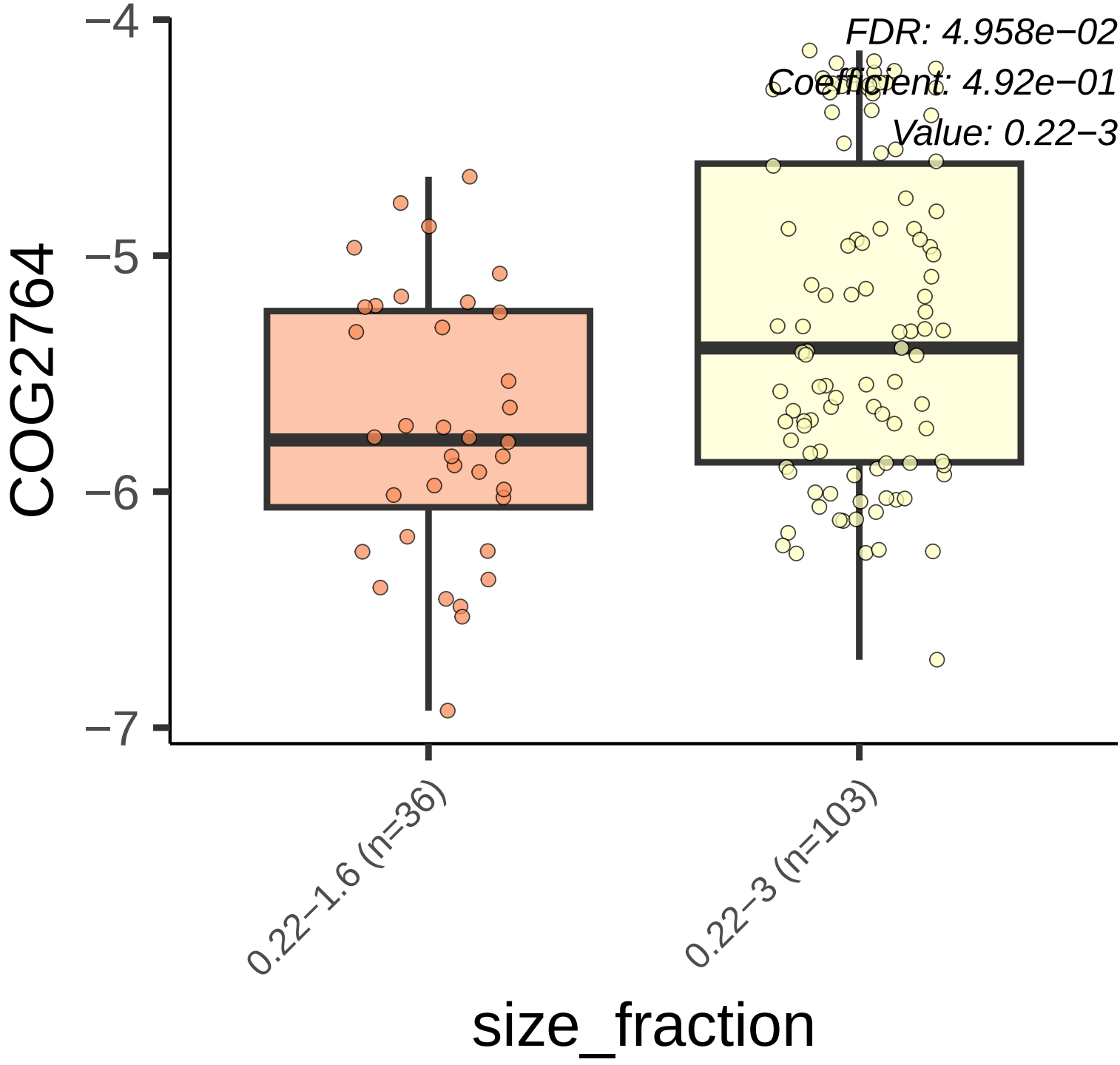

FDR: 4.900e−02
Coefficient: 8.30e−01
Value: 0.22−3
COG2231
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

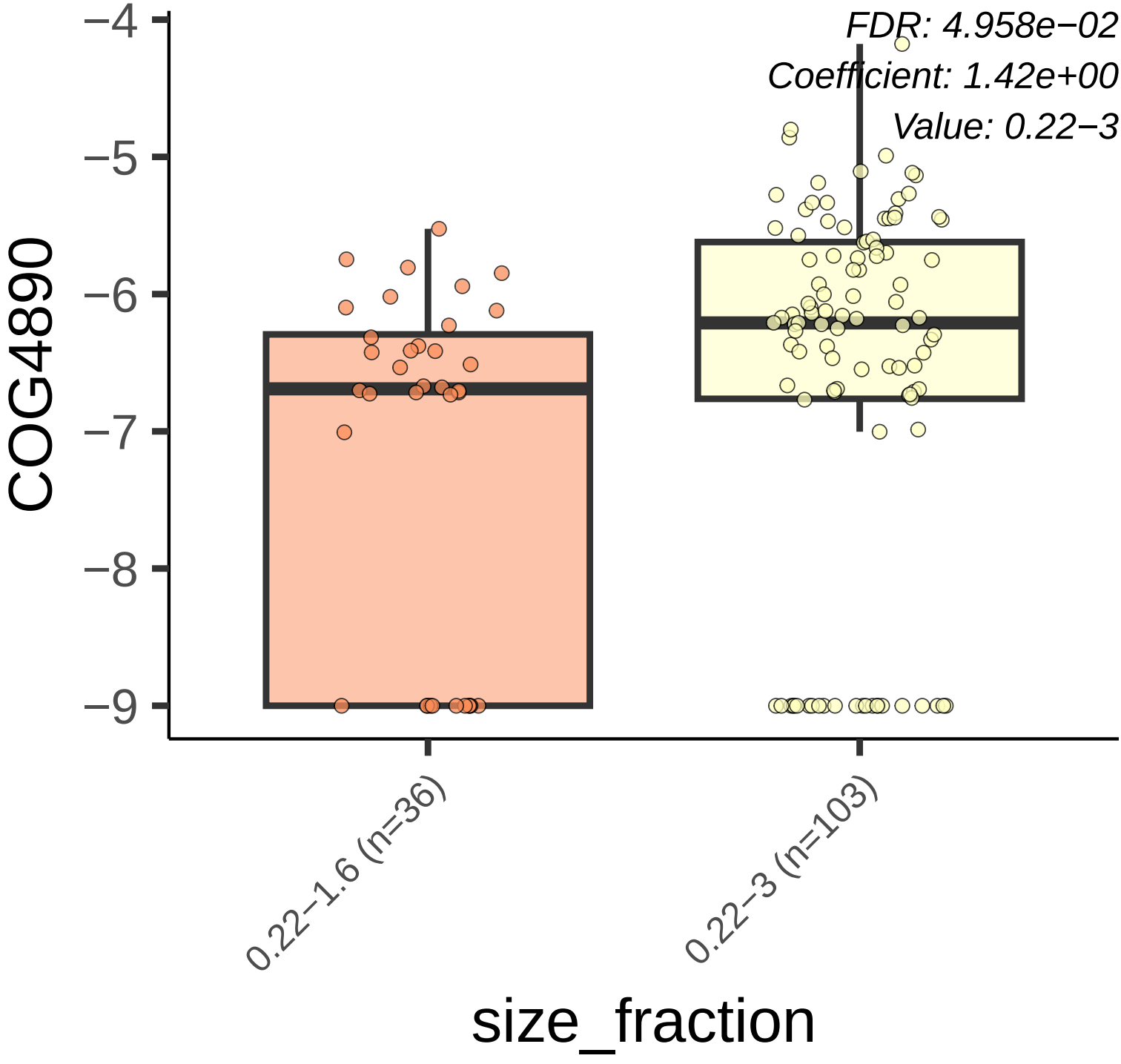

FDR: 4.919e−02
Coefficient: 1.44e−01
Value: 0.22−3
COG1443
−3.75
−4.00
−4.25
−4.50
−4.75
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

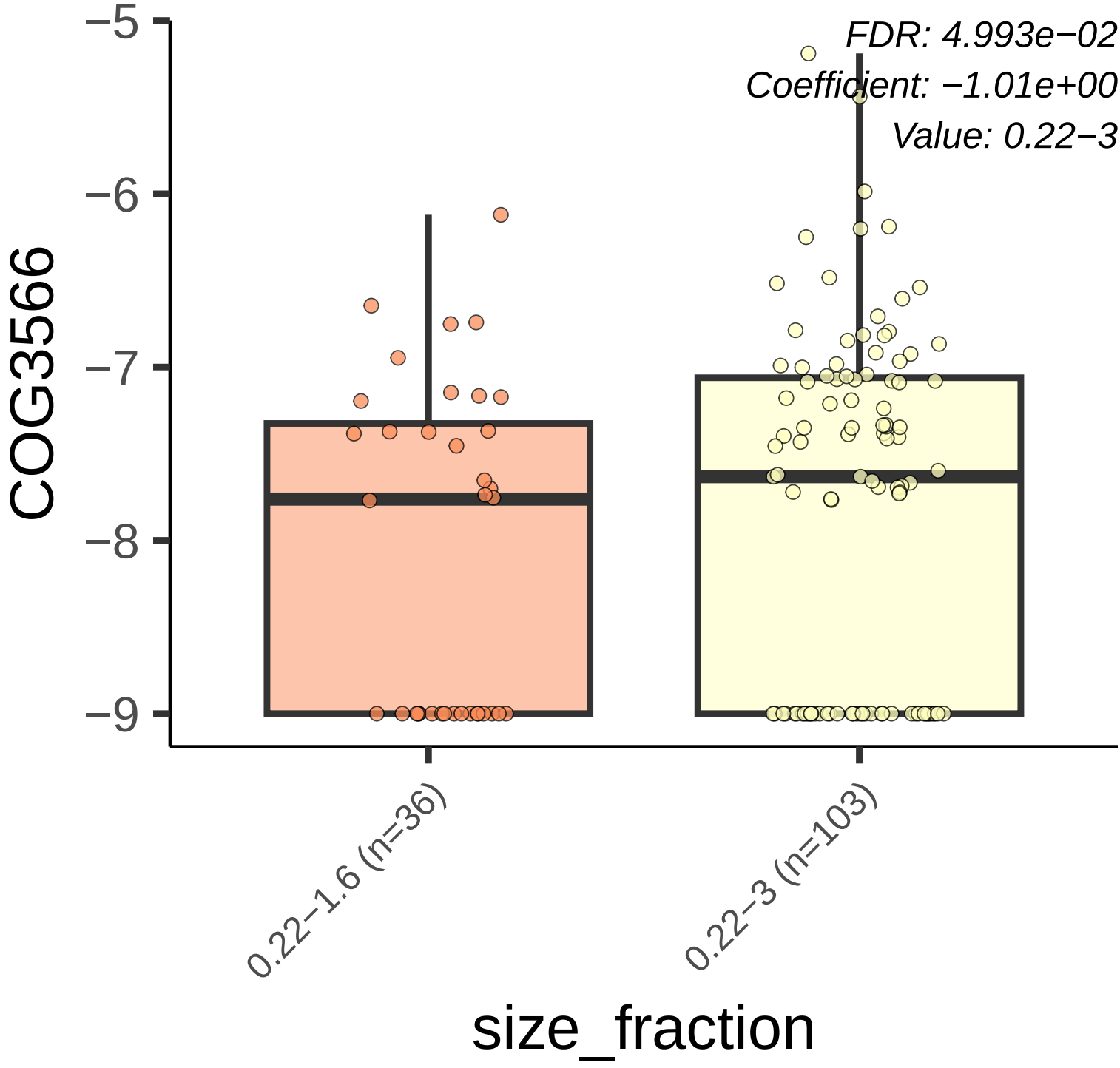

FDR: 4.926e−02
Coefficient: 2.47e−01
Value: 0.22−3
COG3325
−4.0
−4.5
−5.0
−5.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

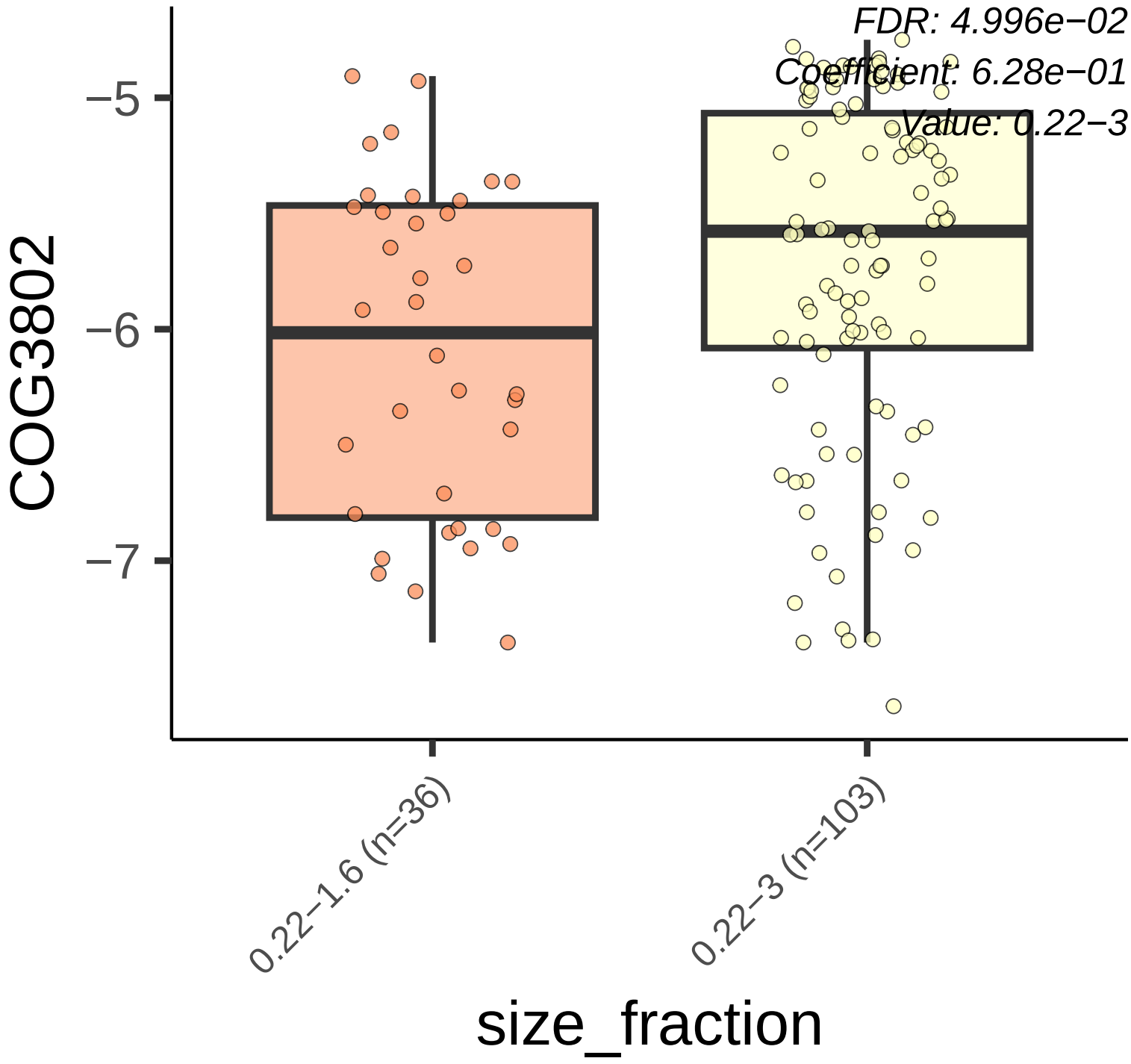

FDR: 4.927e−02
Coefficient: 9.68e−01
Value: 0.22−3
COG1308
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.958e−02
Coefficient: −3.48e−02
Value: 0.22−3
COG0669
−3.3
−3.4
−3.5
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.958e−02
Coefficient: 4.92e−01
Value: 0.22−3
COG2764
−4
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.958e−02
Coefficient: 1.42e+00
Value: 0.22−3
COG4890
−4
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.993e−02
Coefficient: −1.01e+00
Value: 0.22−3
COG3566
−5
−6
−7
−8
−9
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.996e−02
Coefficient: 6.28e−01
Value: 0.22−3
COG3802
−5
−6
−7
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction