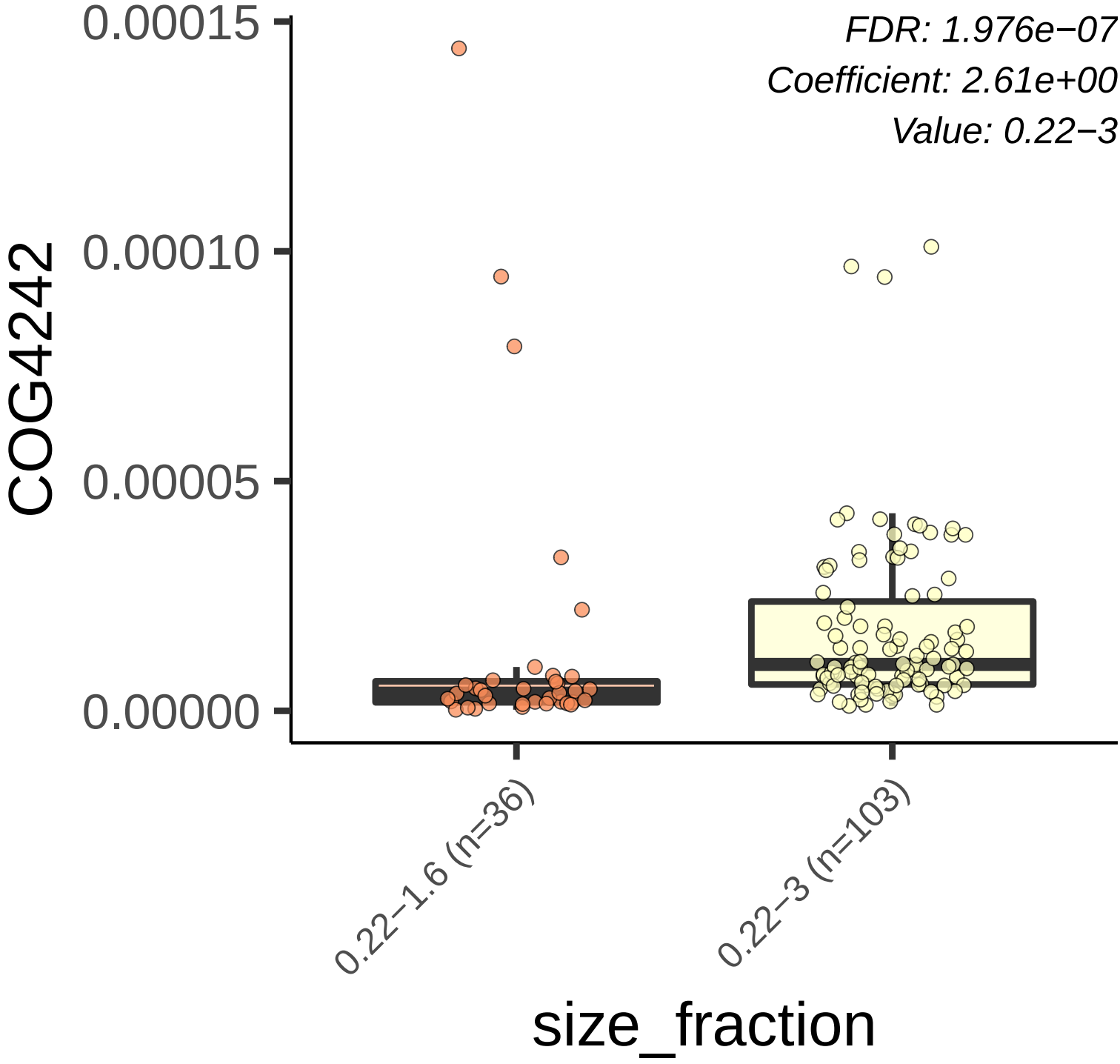
FDR: 1.976e−07
Coefficient: 2.61e+00
Value: 0.22−3
COG4242
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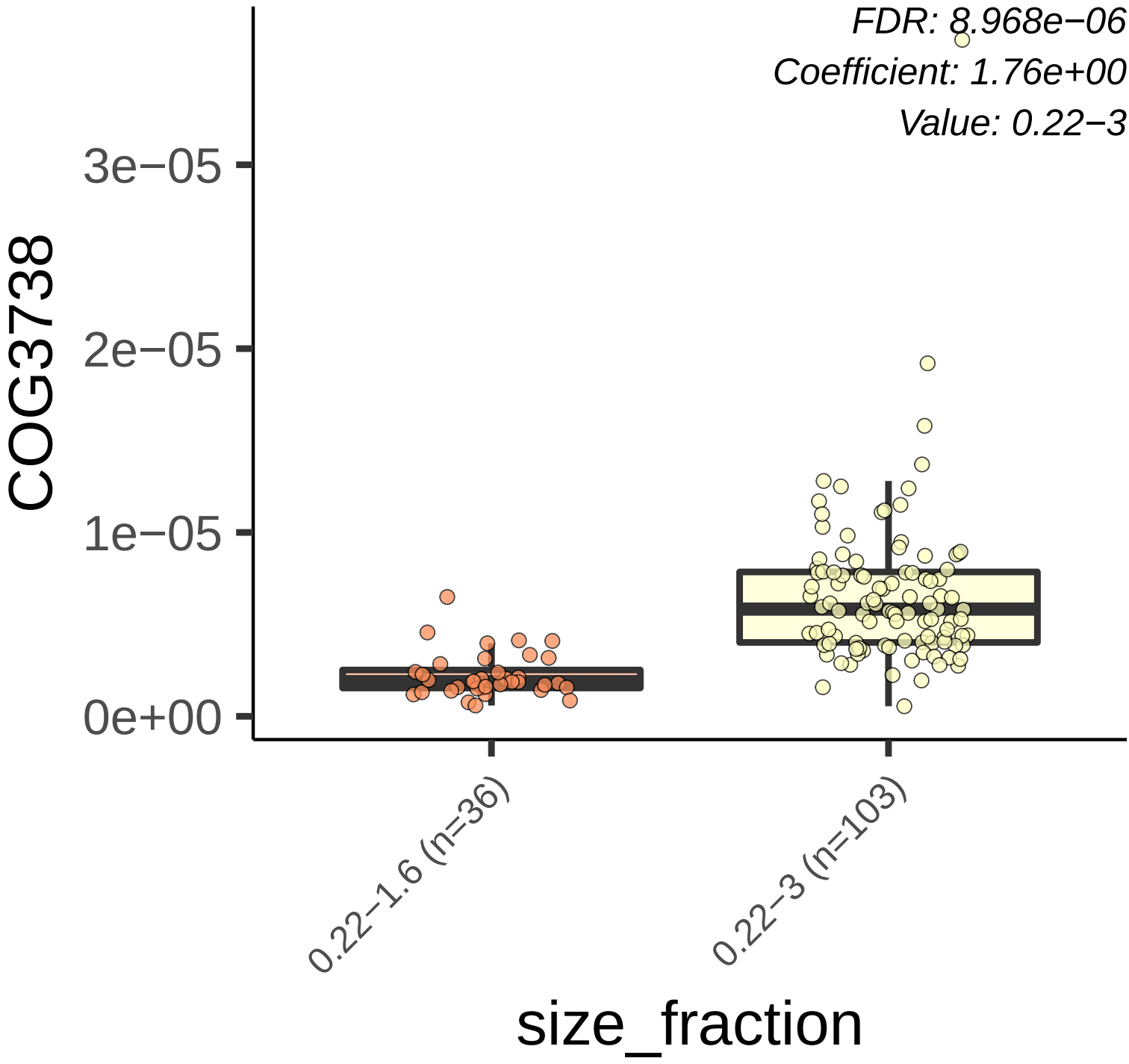
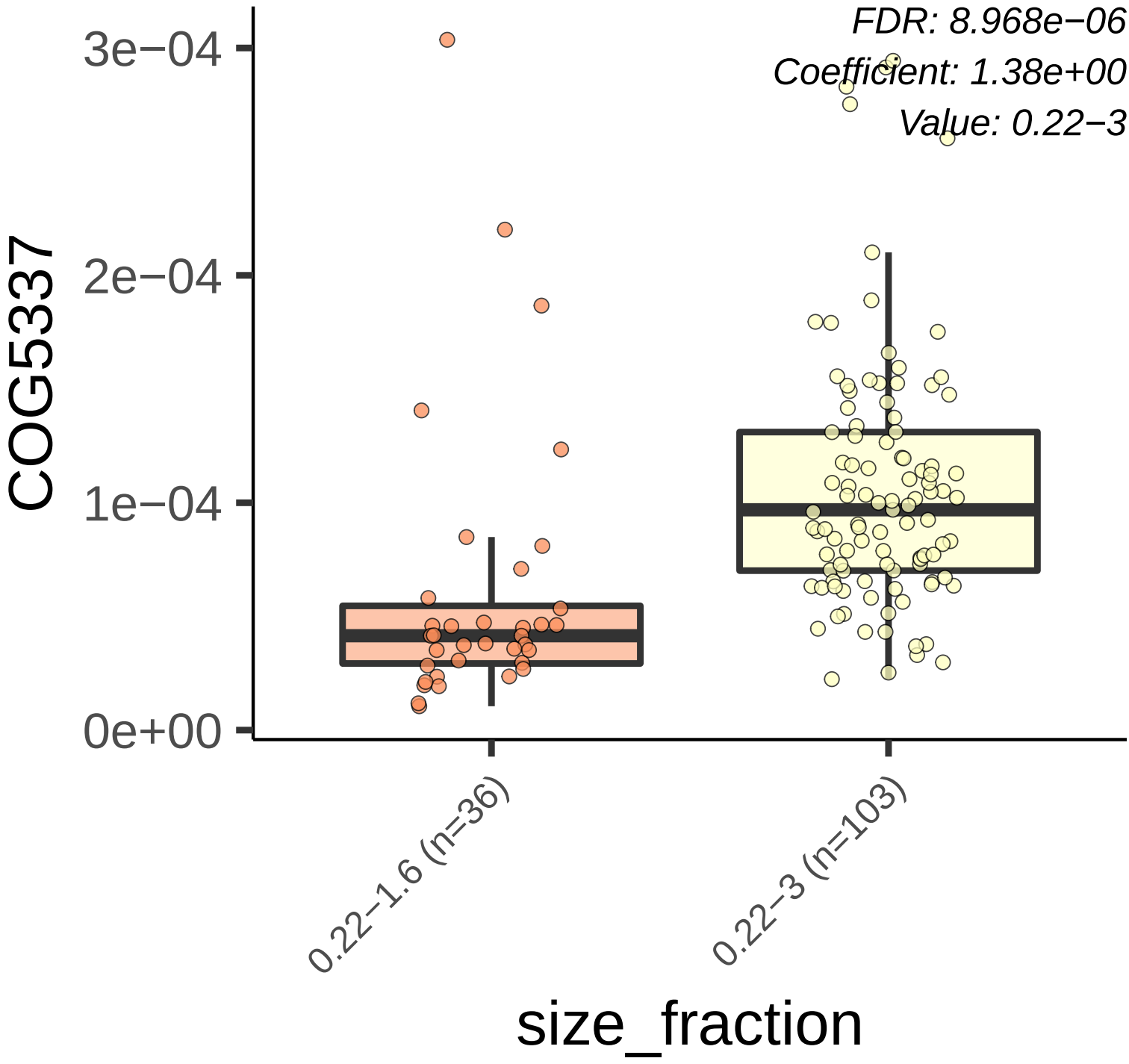
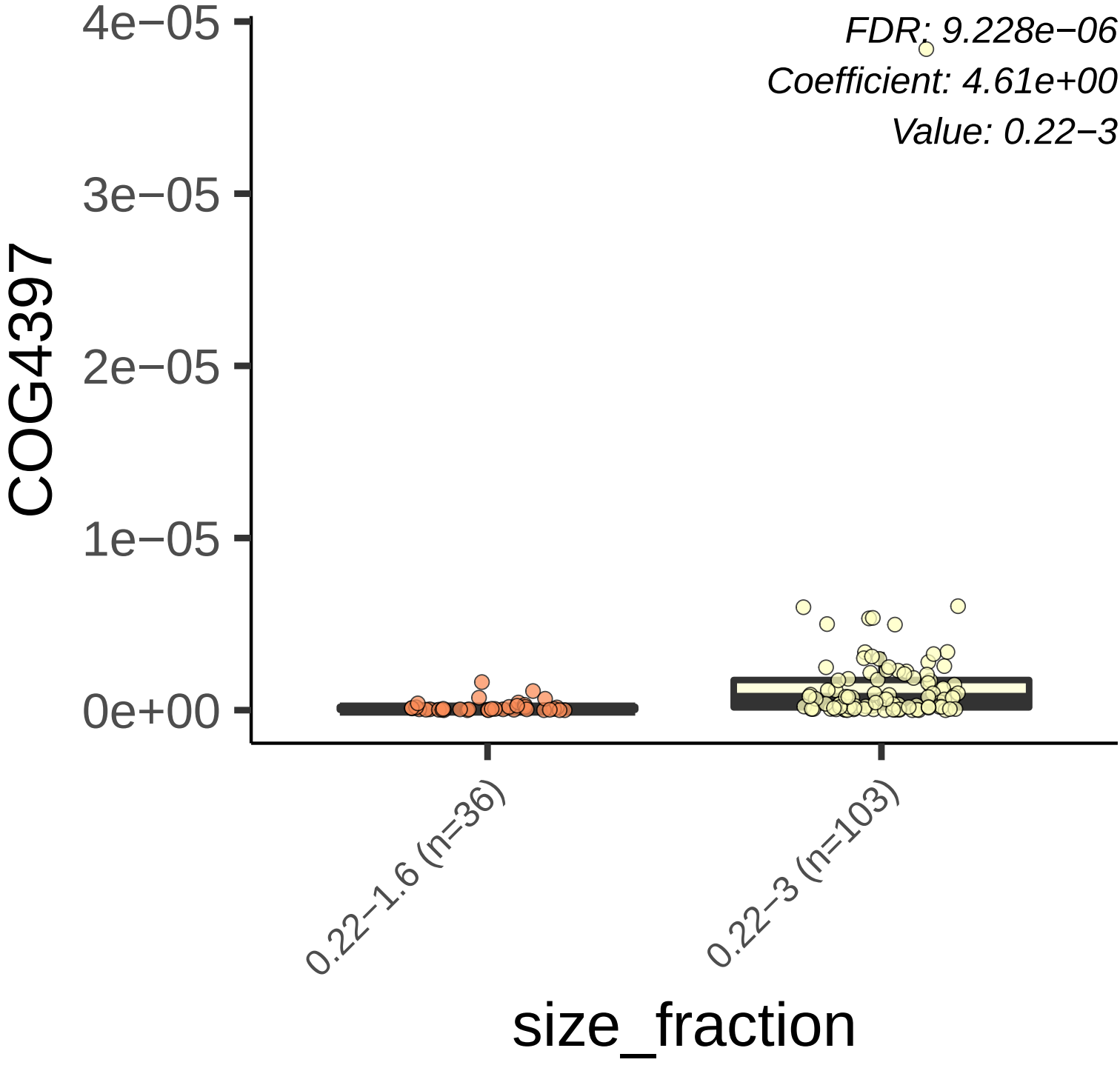
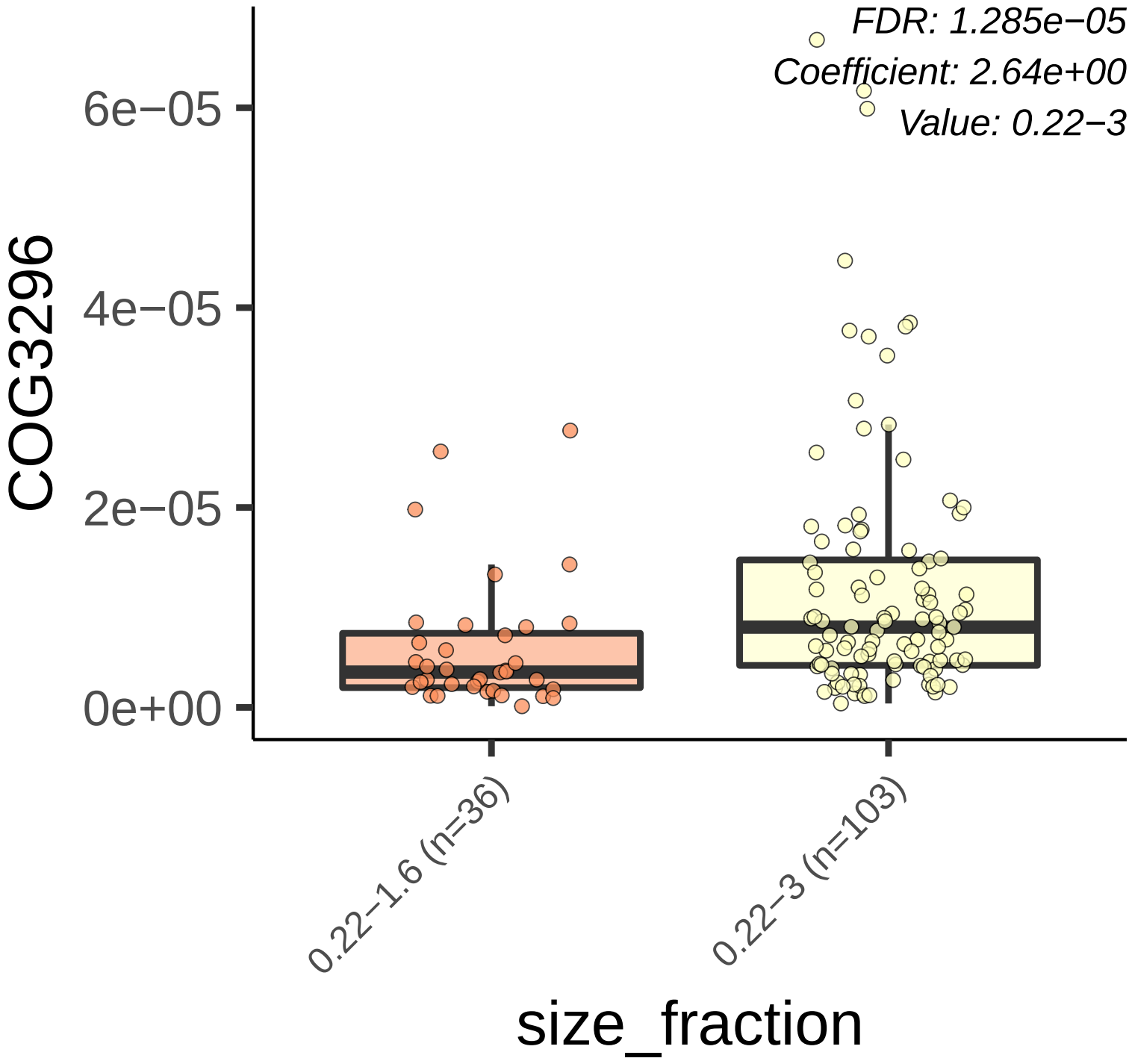
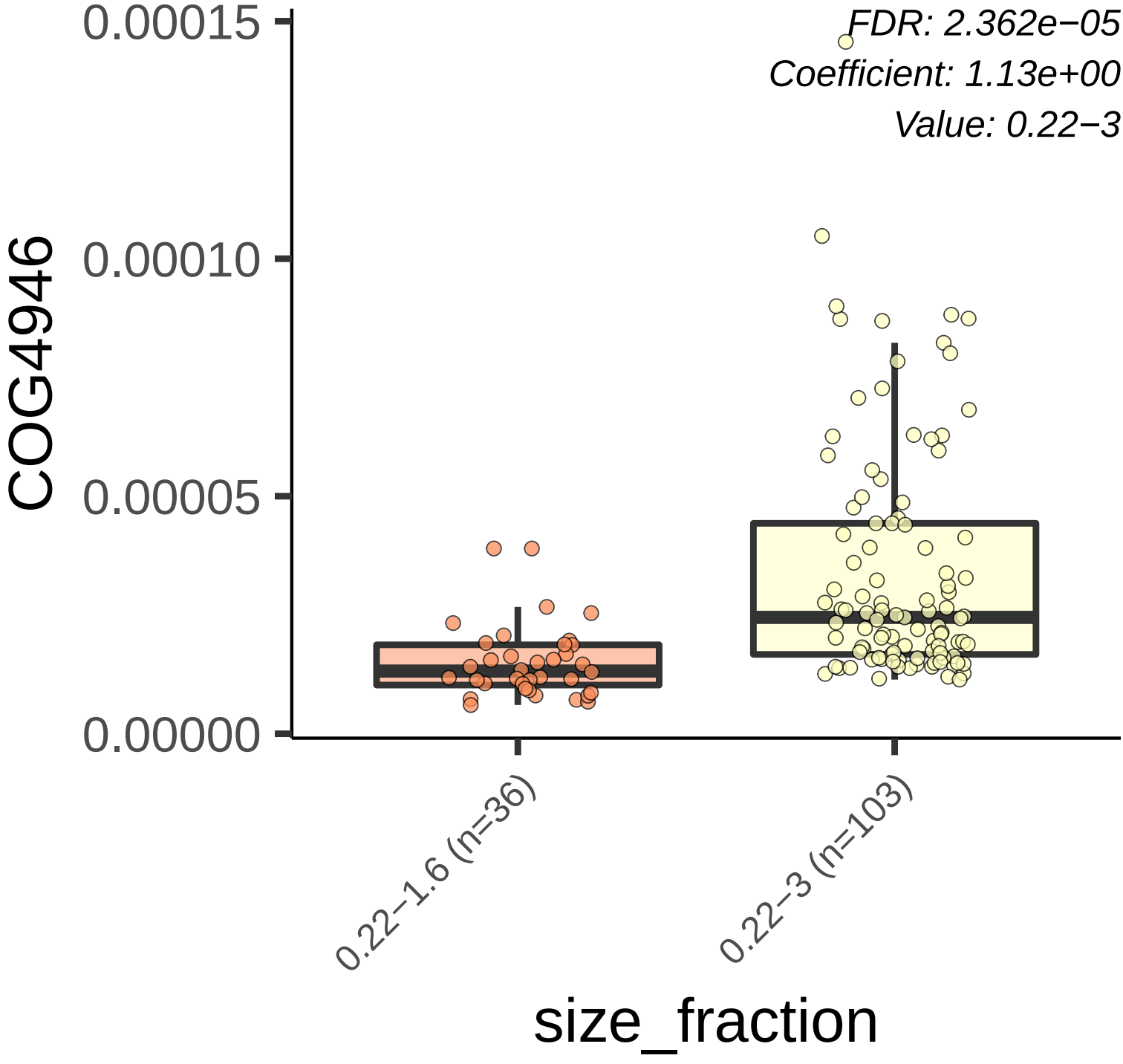
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

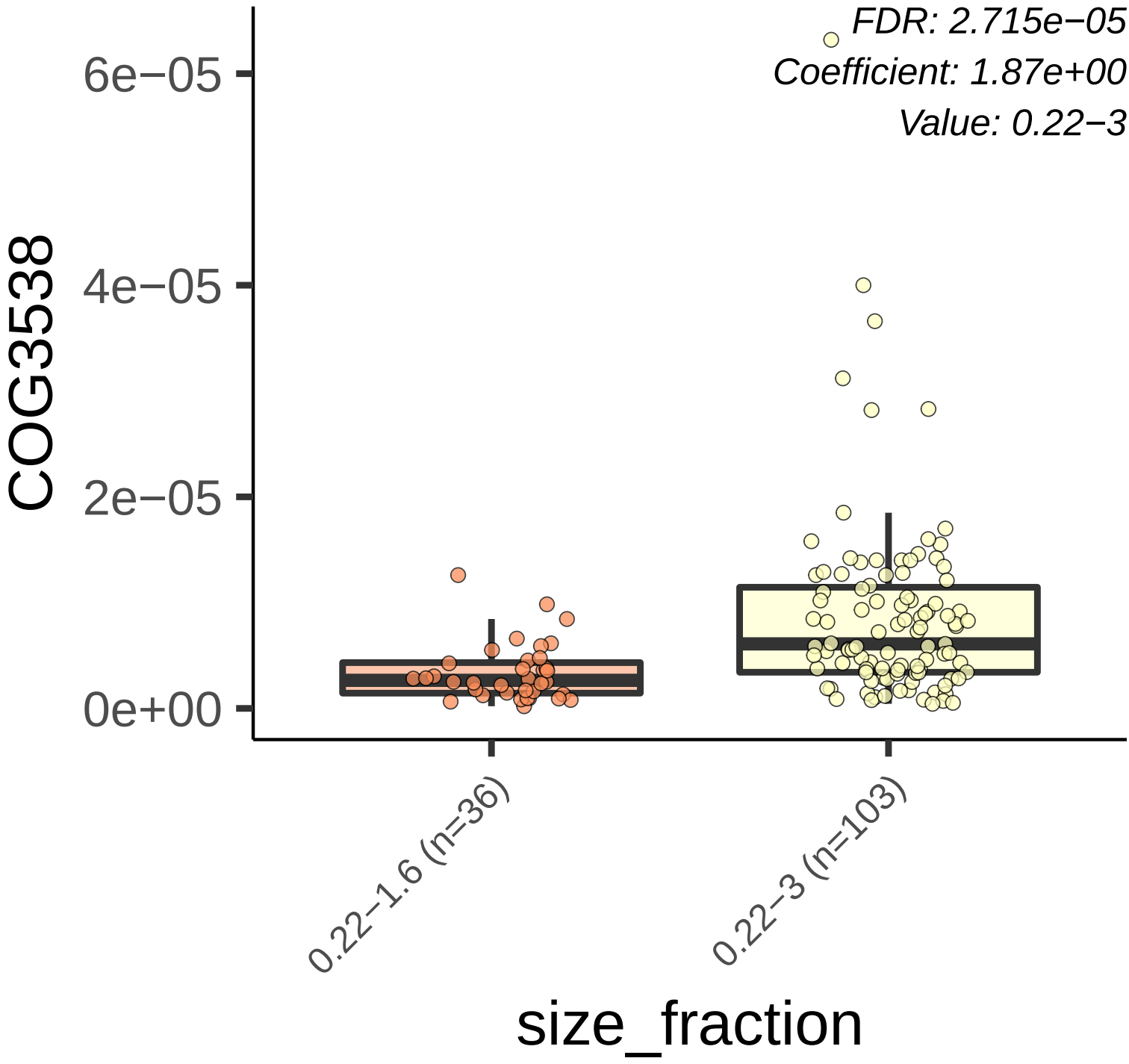

FDR: 8.968e−06
Coefficient: 1.76e+00
Value: 0.22−3
COG3738
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

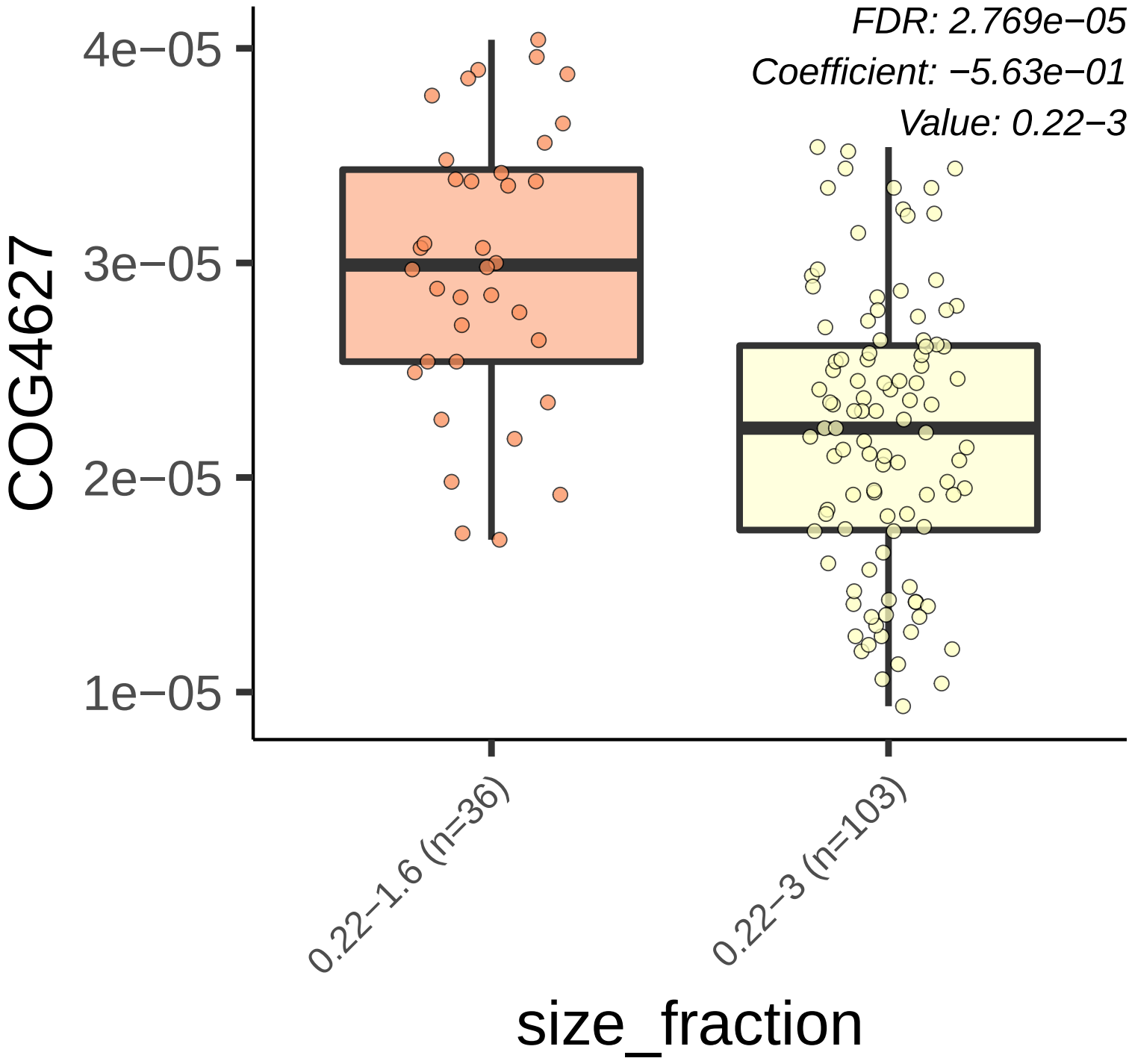

FDR: 8.968e−06
Coefficient: 1.38e+00
Value: 0.22−3
COG5337
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

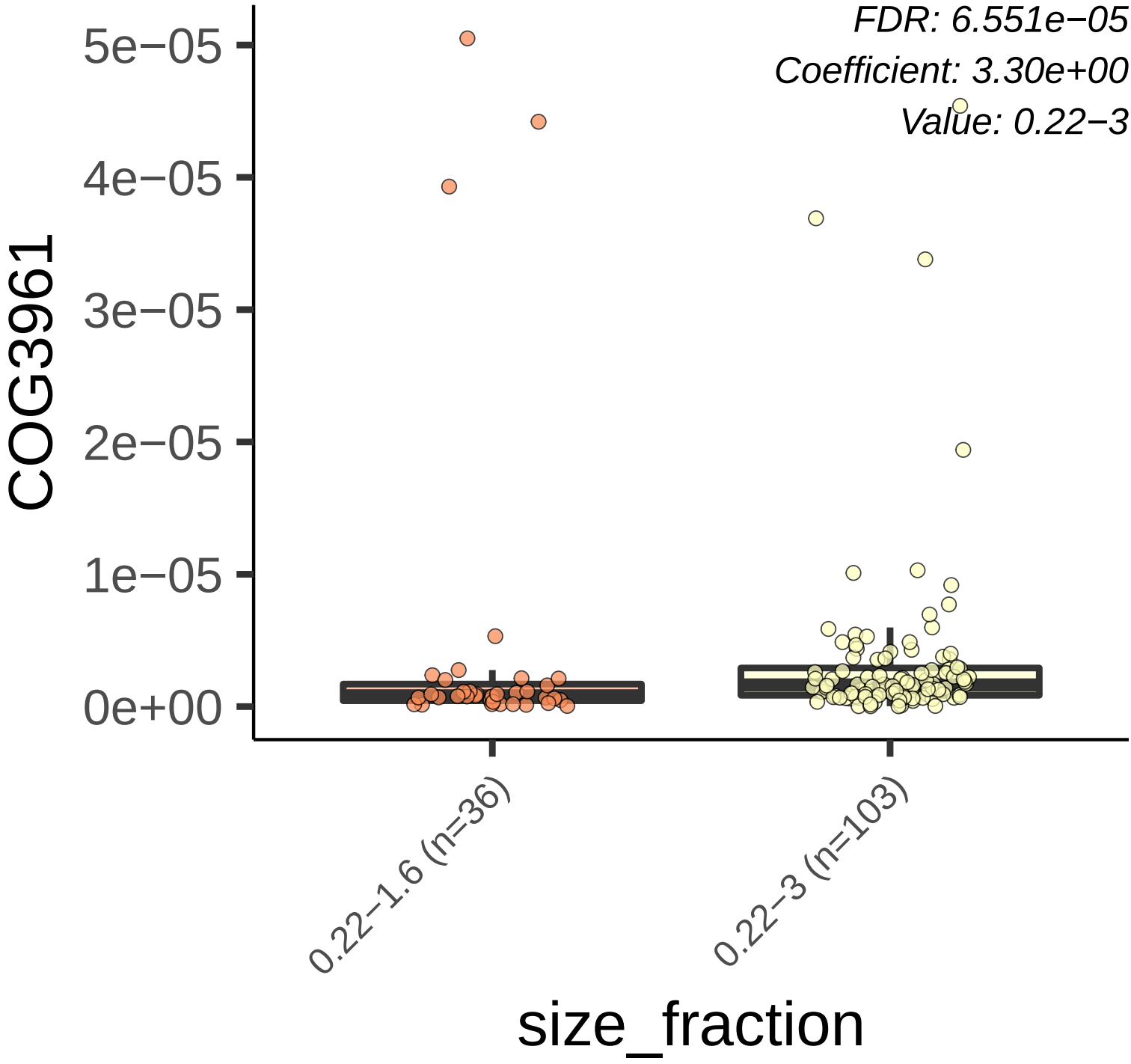

FDR: 9.228e−06
Coefficient: 4.61e+00
Value: 0.22−3
COG4397
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

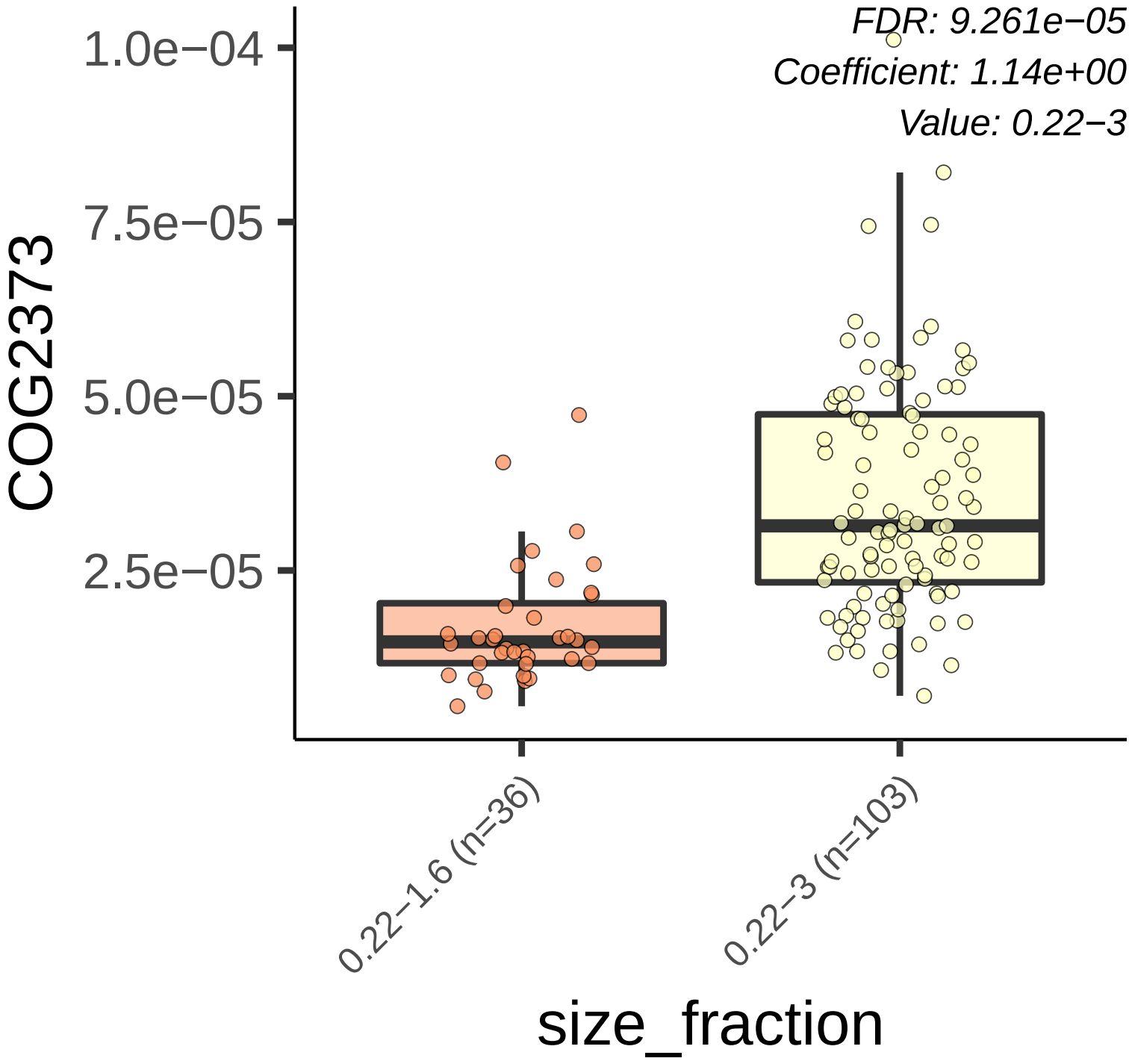

FDR: 1.285e−05
Coefficient: 2.64e+00
Value: 0.22−3
COG3296
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

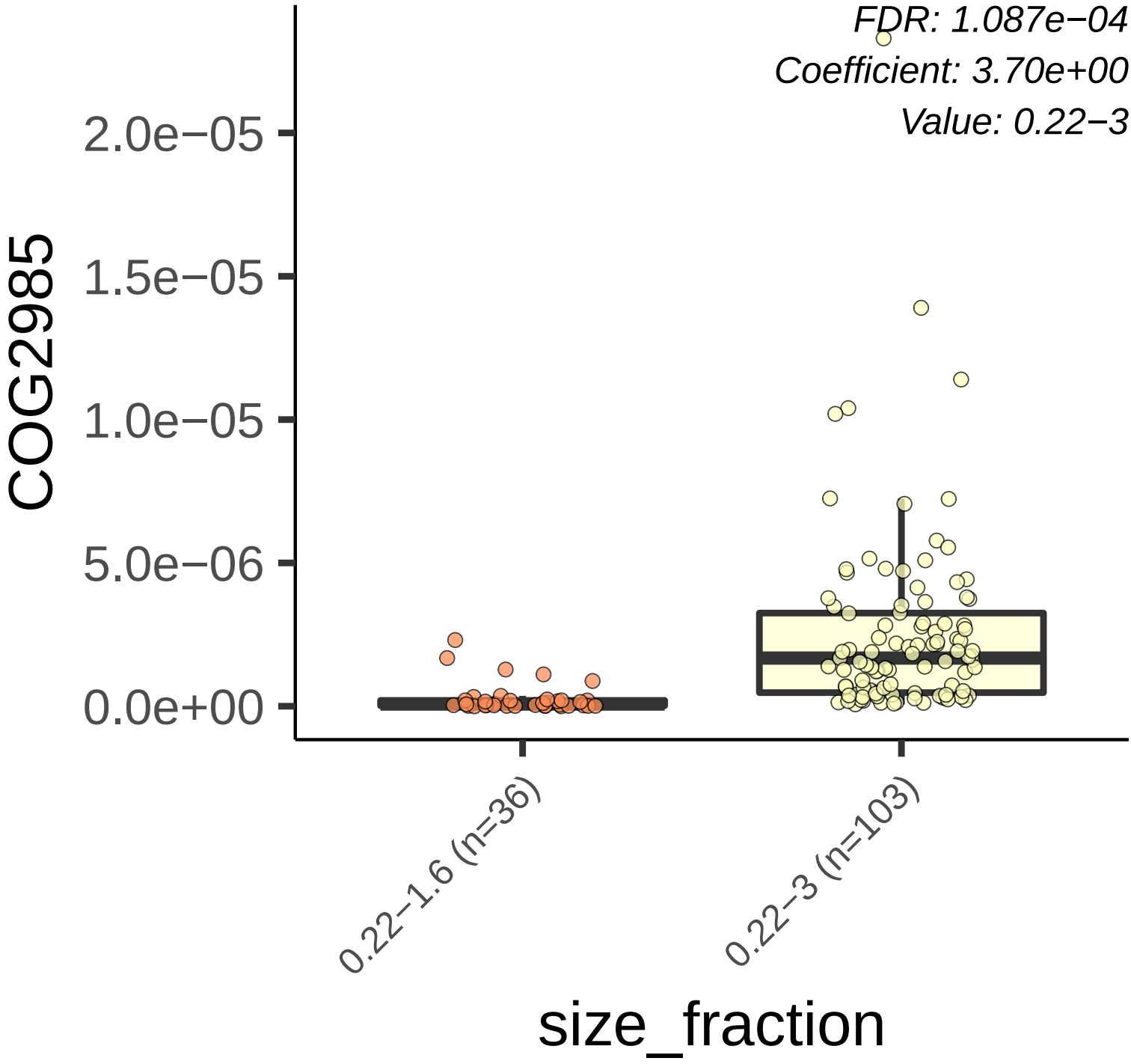

FDR: 2.362e−05
Coefficient: 1.13e+00
Value: 0.22−3
COG4946
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

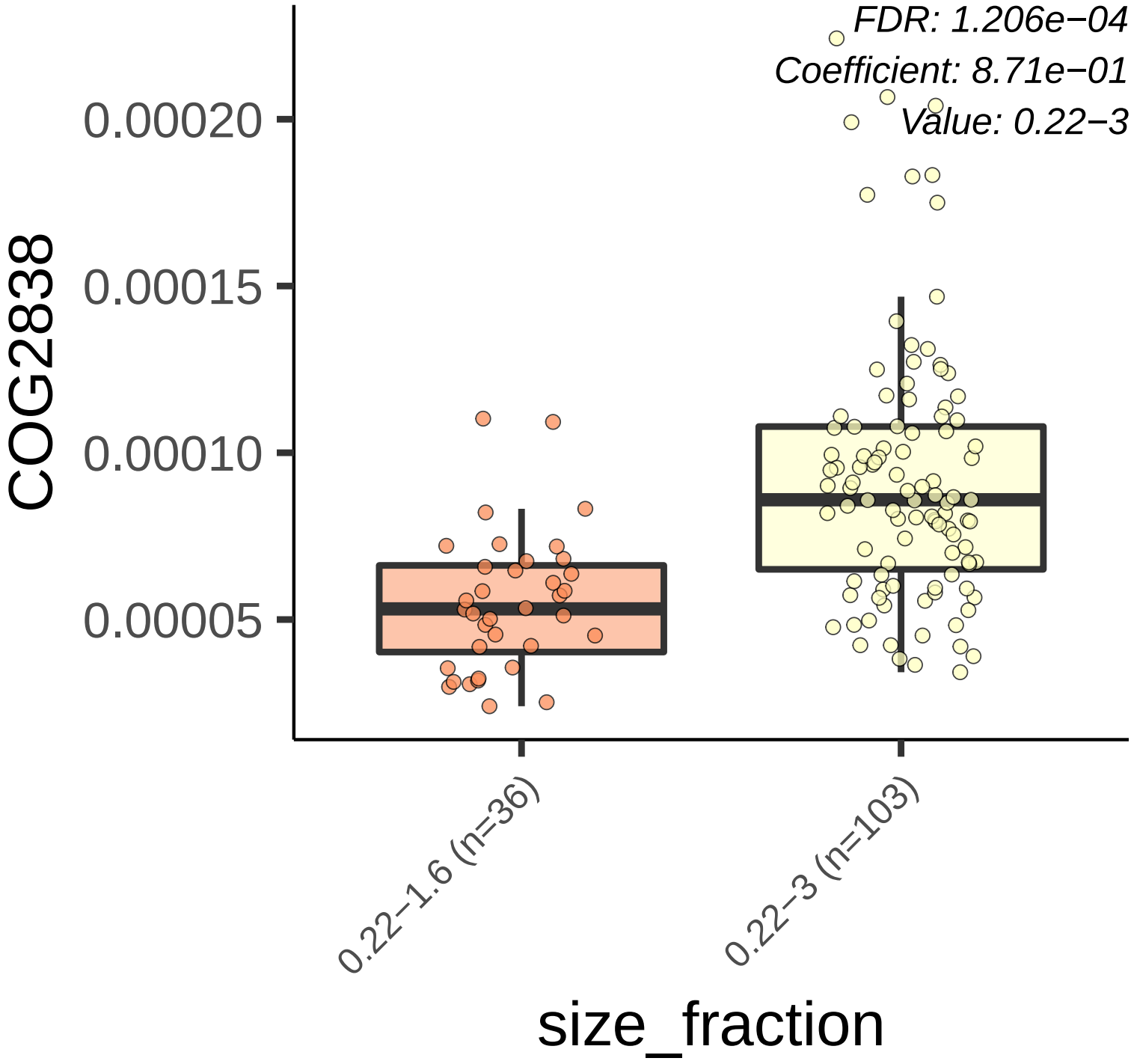

FDR: 2.715e−05
Coefficient: 1.87e+00
Value: 0.22−3
COG3538
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

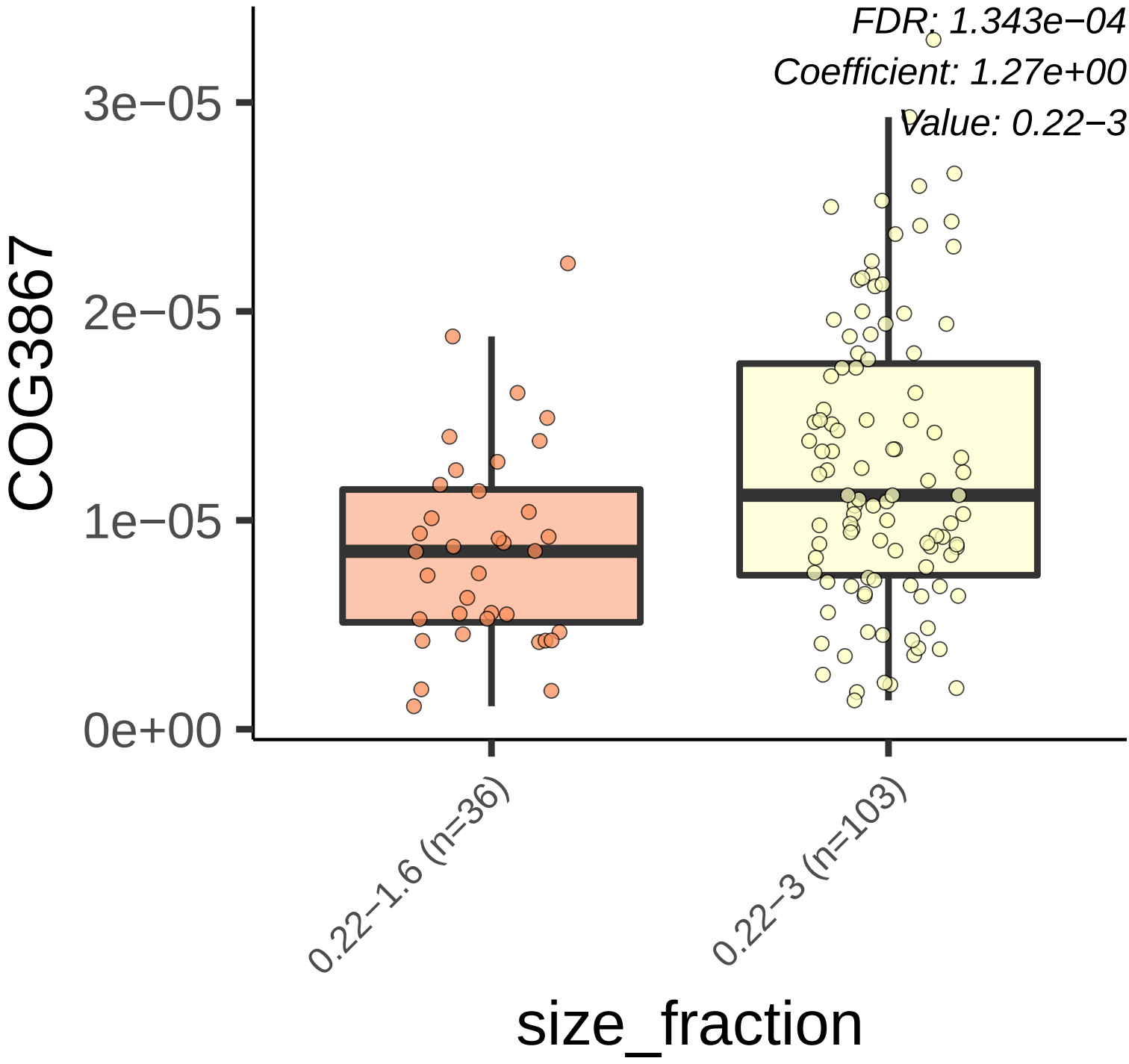

FDR: 2.769e−05
Coefficient: −5.63e−01
Value: 0.22−3
COG4627
4e−05
3e−05
2e−05
1e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 6.551e−05
Coefficient: 3.30e+00
Value: 0.22−3
COG3961
5e−05
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 9.261e−05
Coefficient: 1.14e+00
Value: 0.22−3
1.0e−04
7.5e−05
5.0e−05
2.5e−05
COG2373
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.087e−04
Coefficient: 3.70e+00
Value: 0.22−3
COG2985
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.206e−04
Coefficient: 8.71e−01
Value: 0.22−3
COG2838
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.343e−04
Coefficient: 1.27e+00
Value: 0.22−3
COG3867
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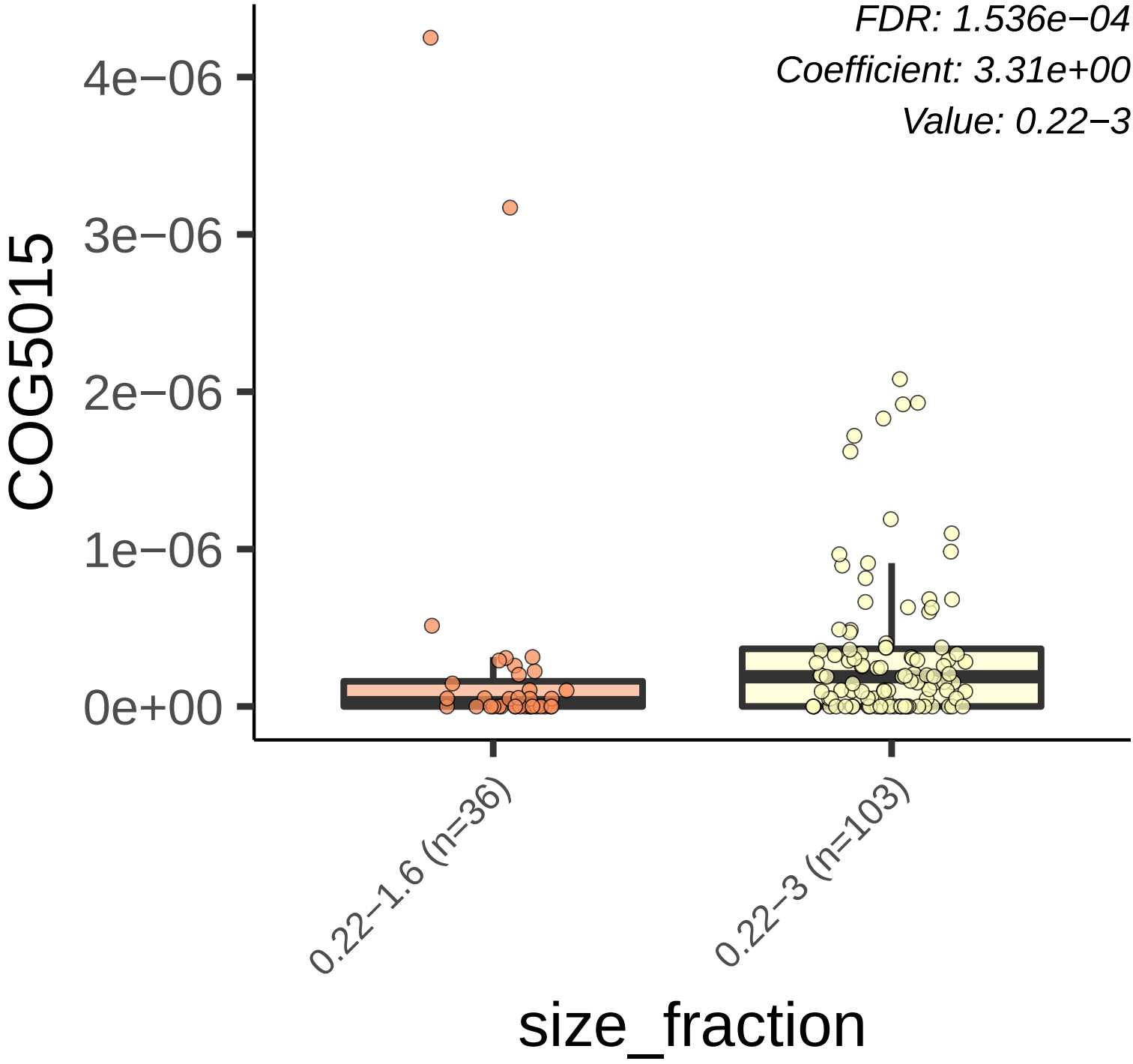
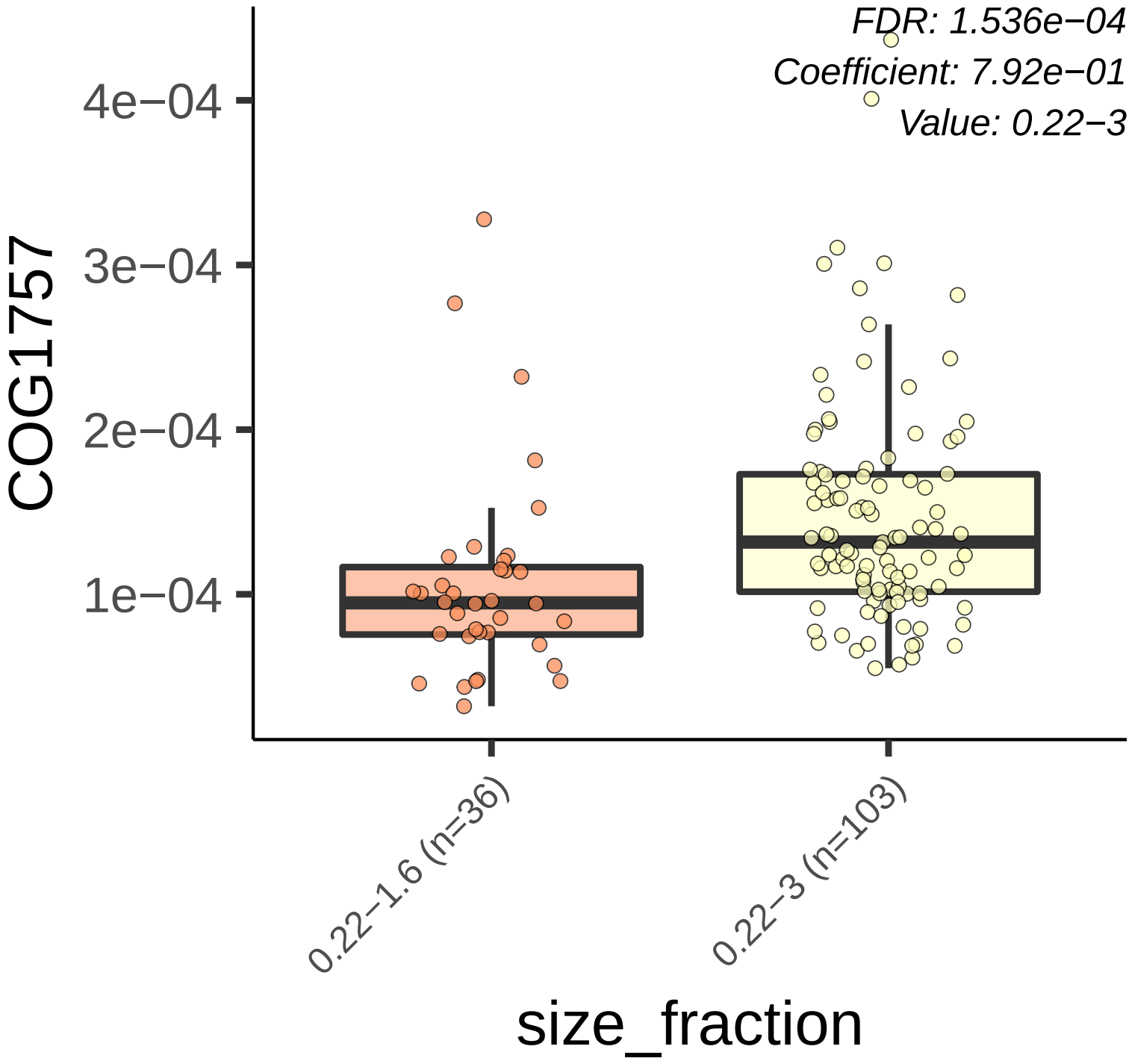
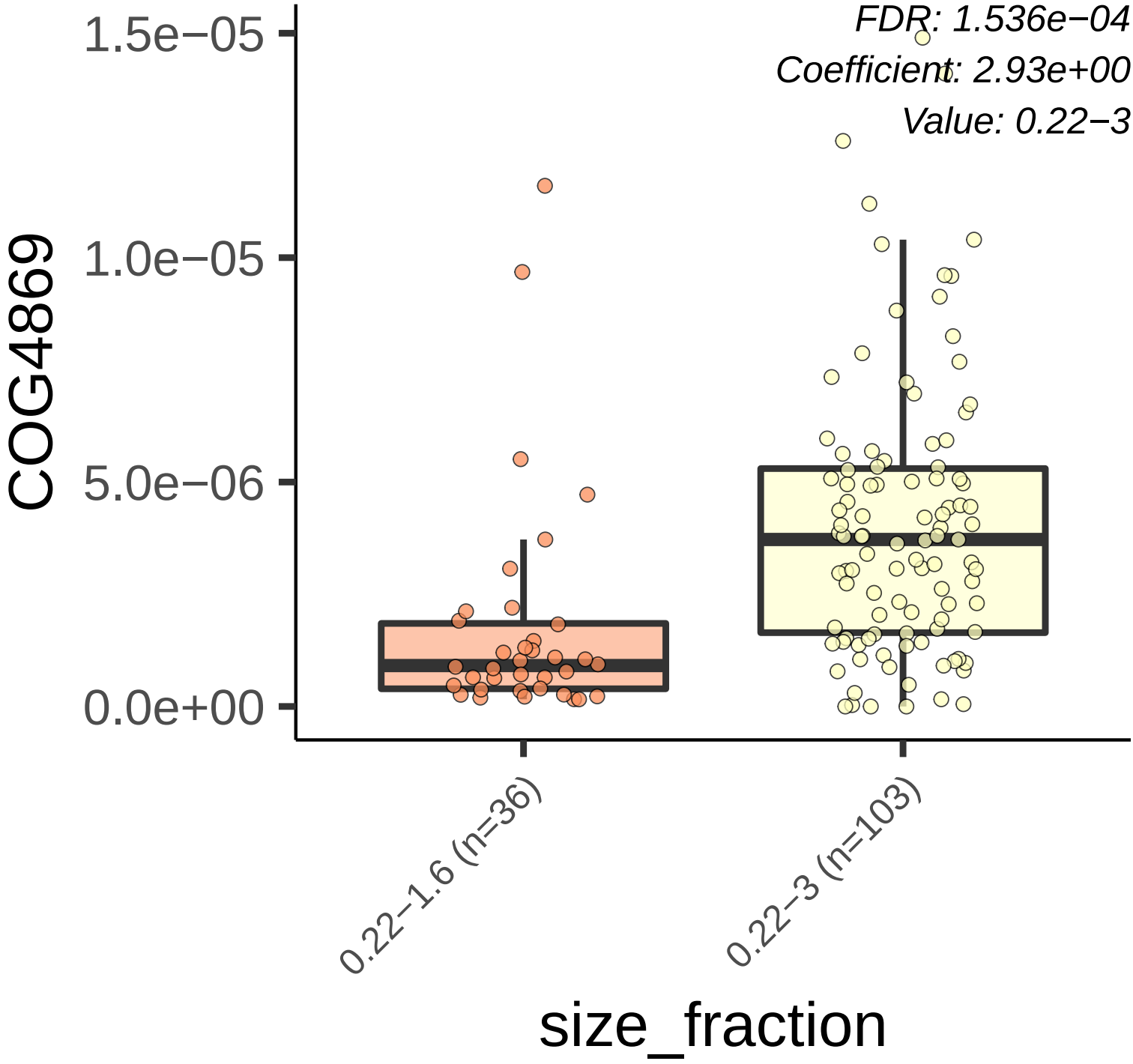
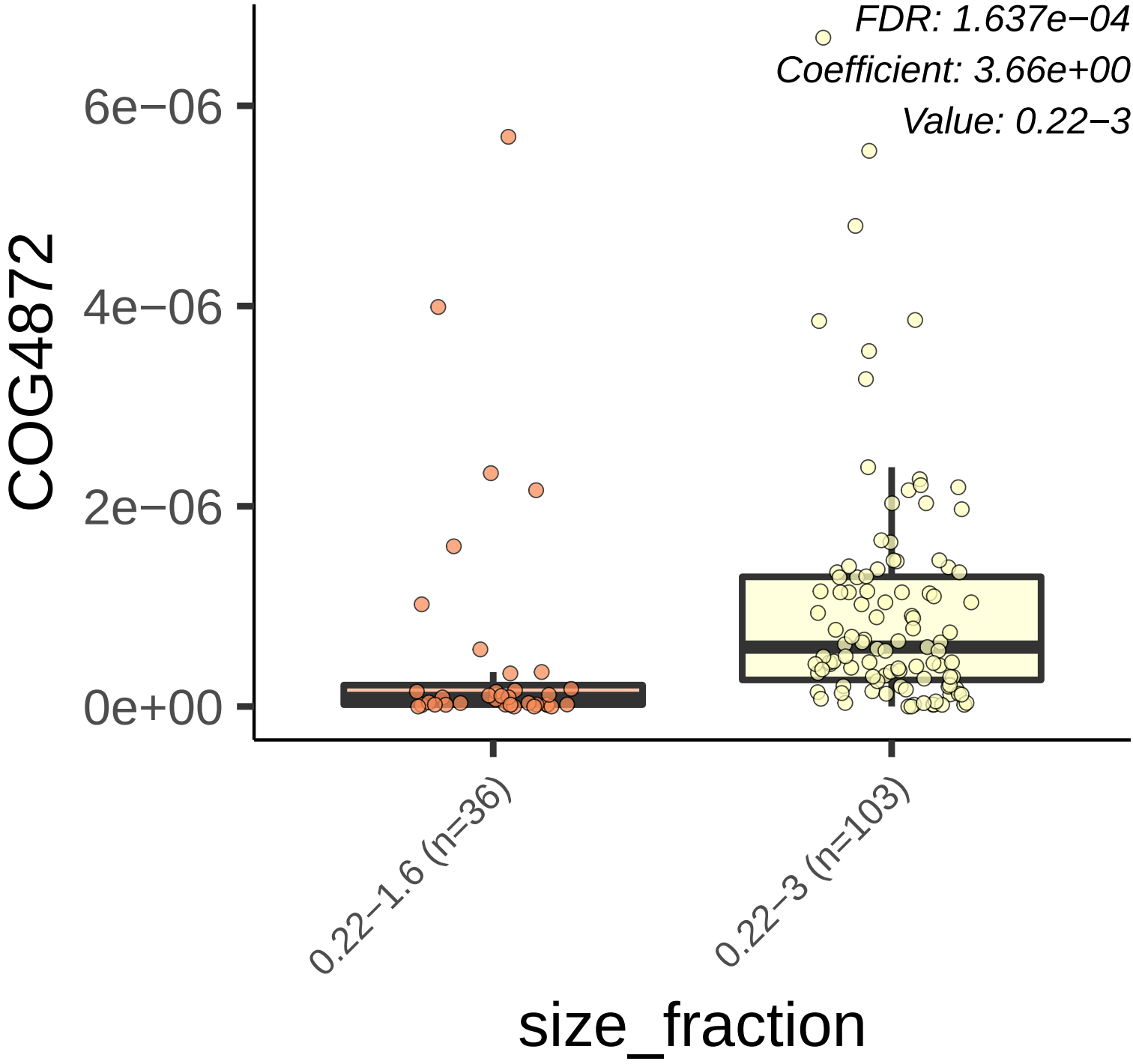
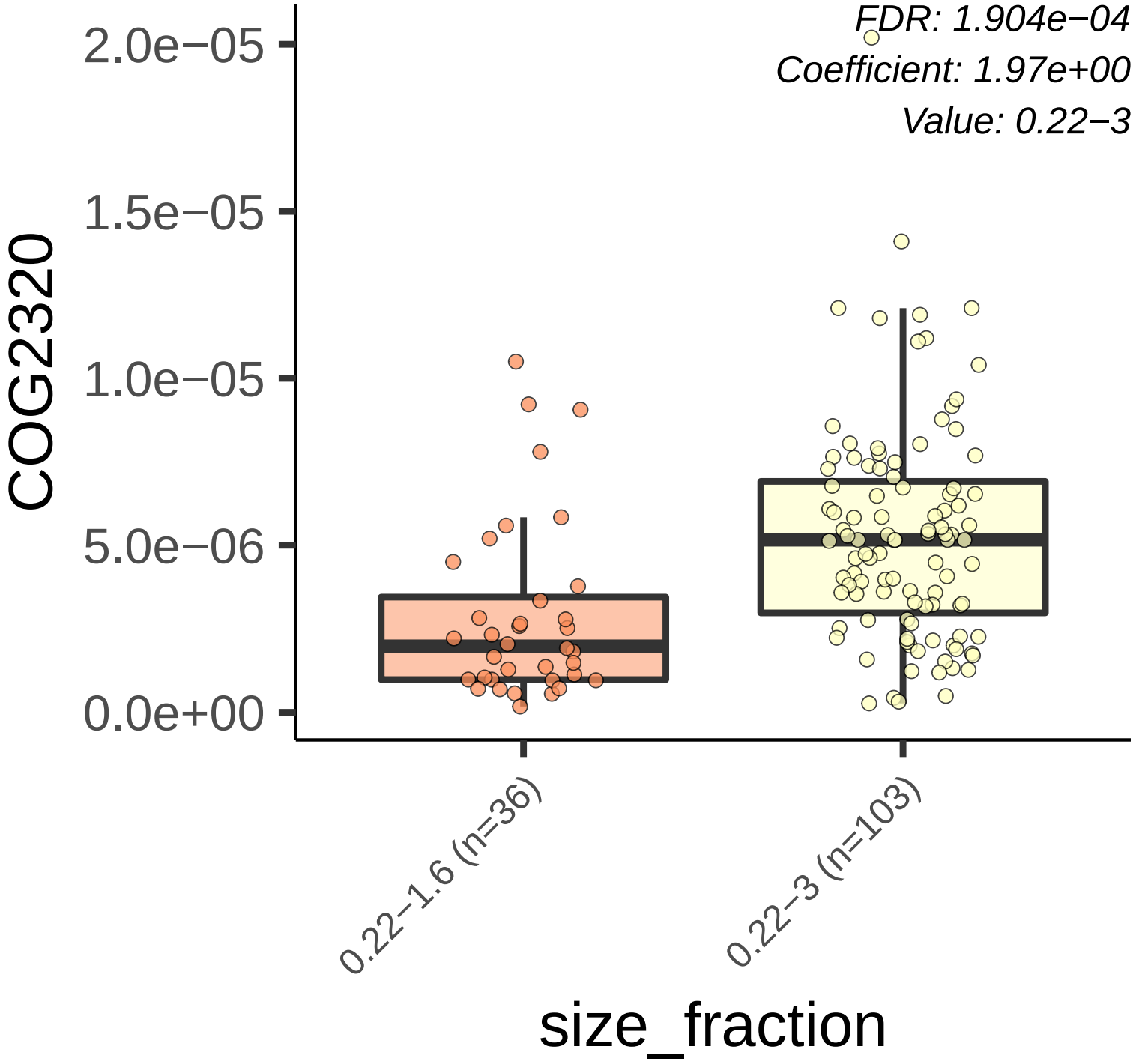
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

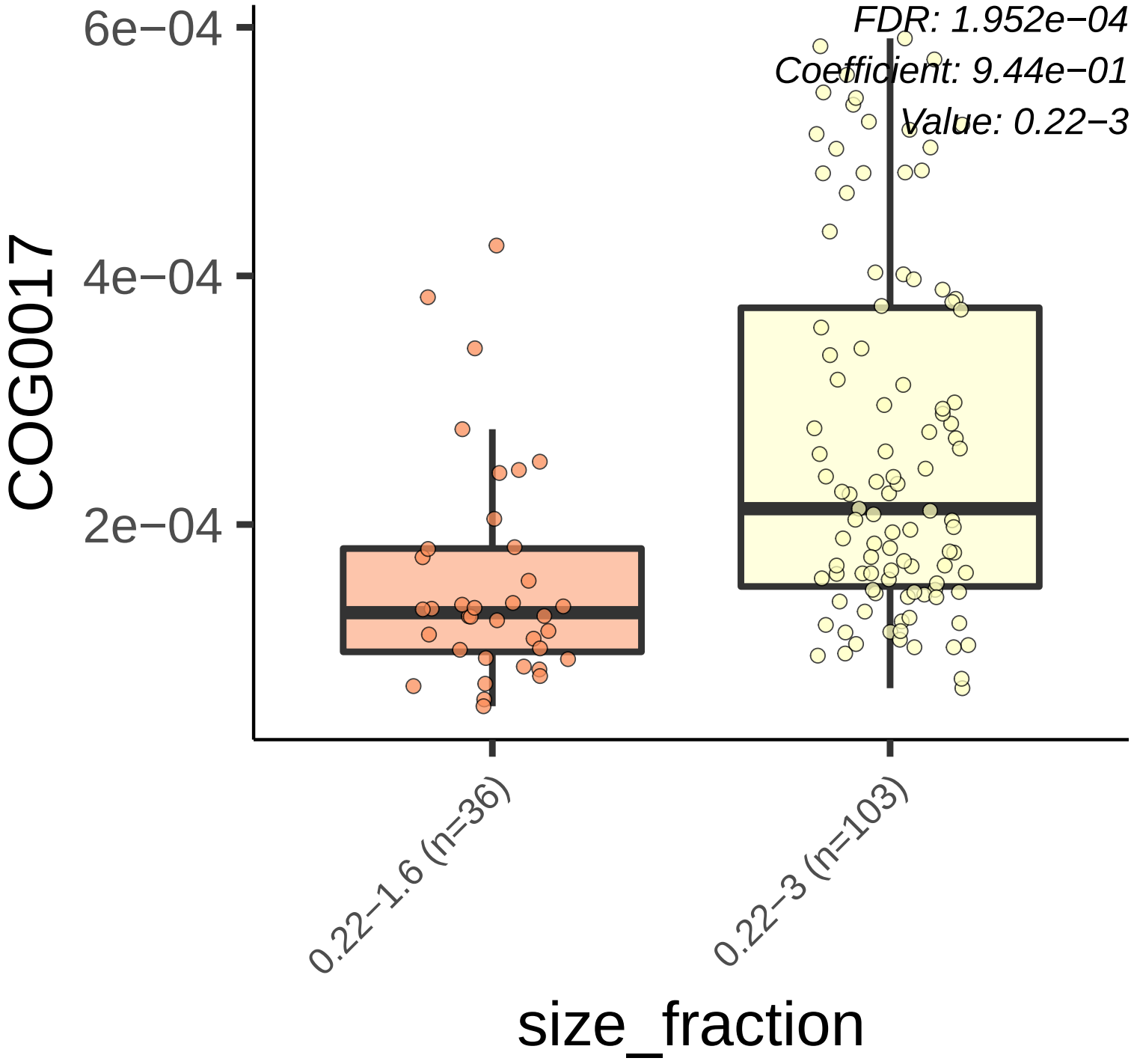

FDR: 1.536e−04
Coefficient: 3.31e+00
Value: 0.22−3
COG5015
4e−06
3e−06
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

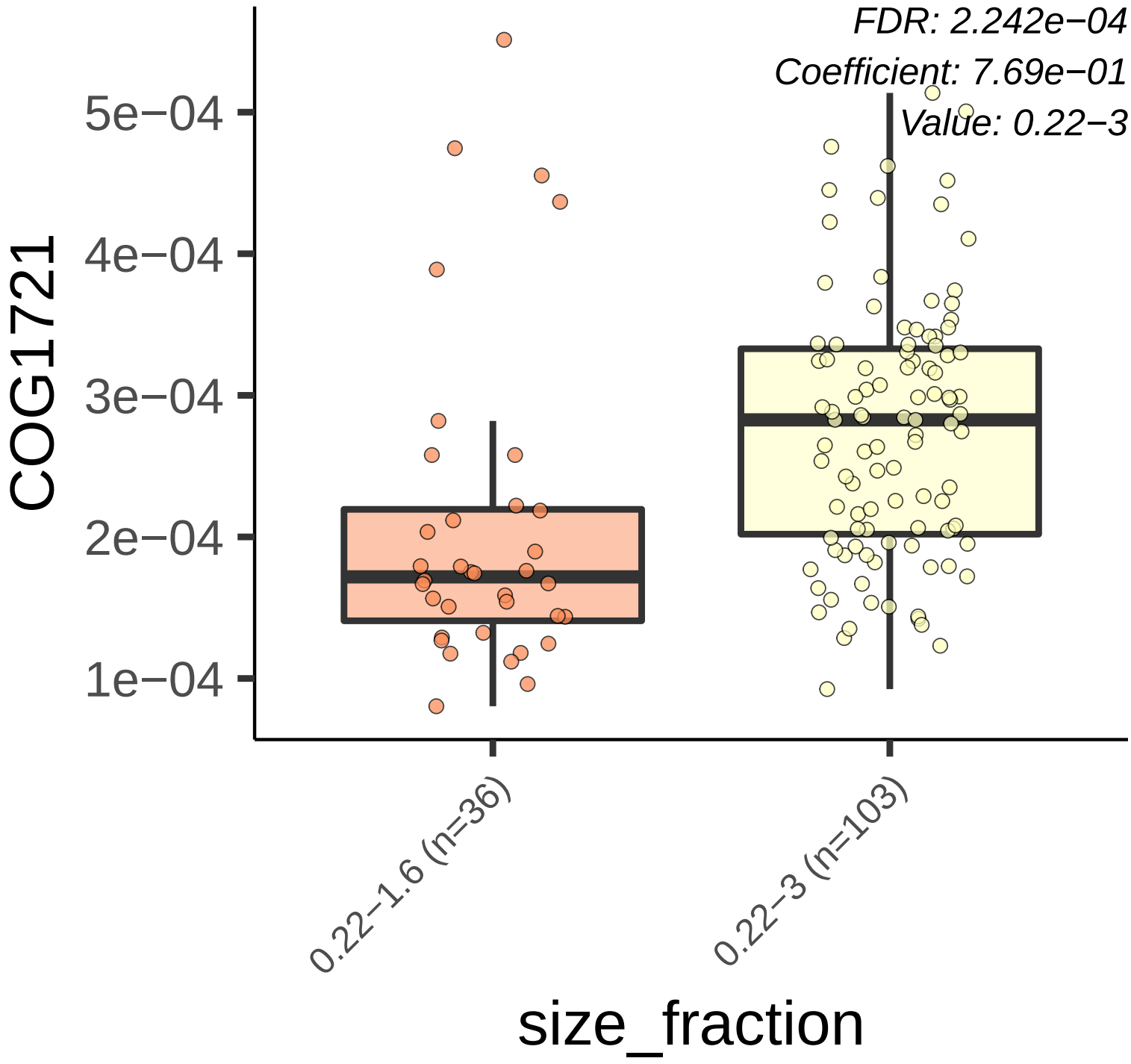

FDR: 1.536e−04
Coefficient: 7.92e−01
Value: 0.22−3
COG1757
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

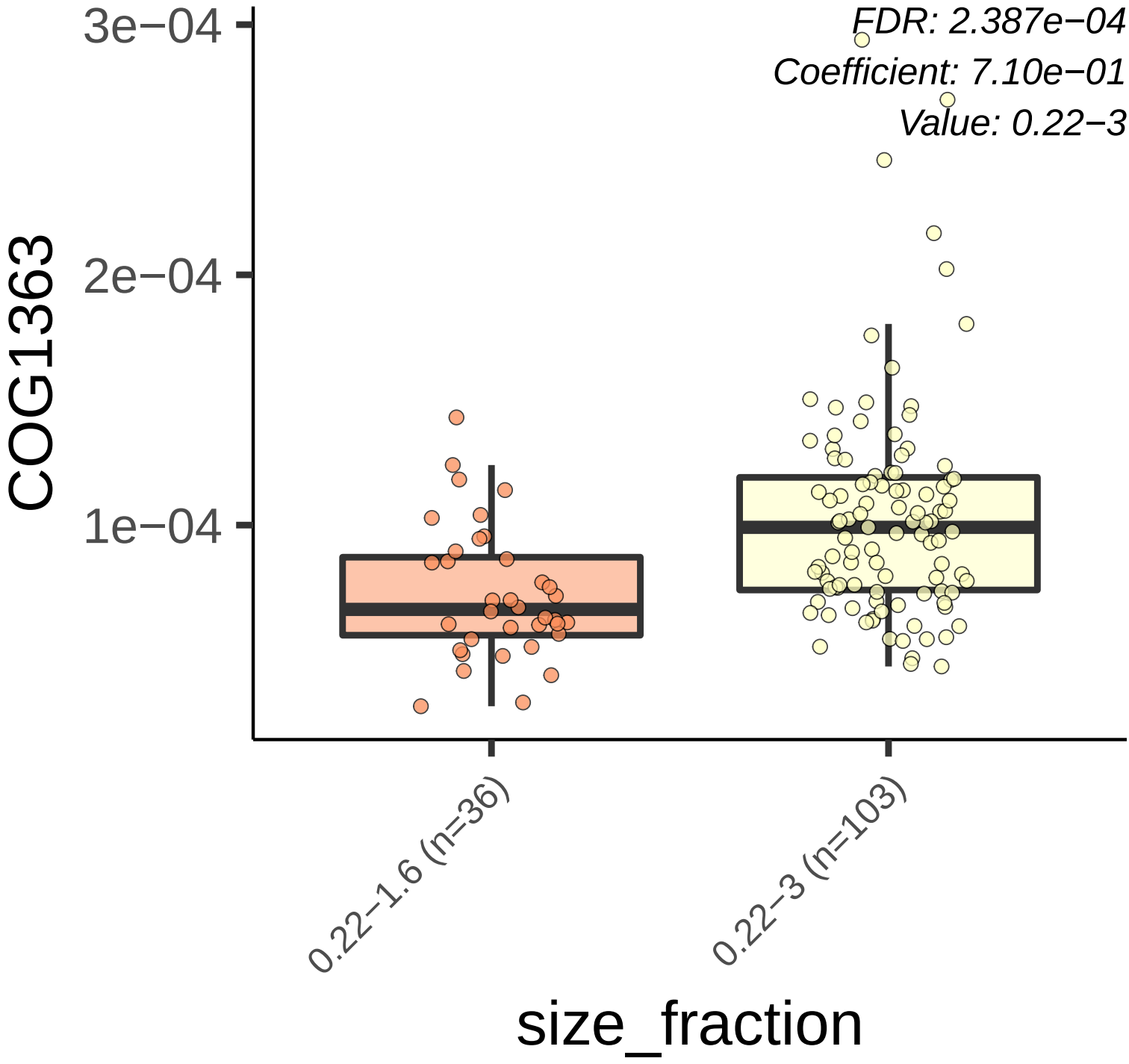

FDR: 1.536e−04
Coefficient: 2.93e+00
Value: 0.22−3
COG4869
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

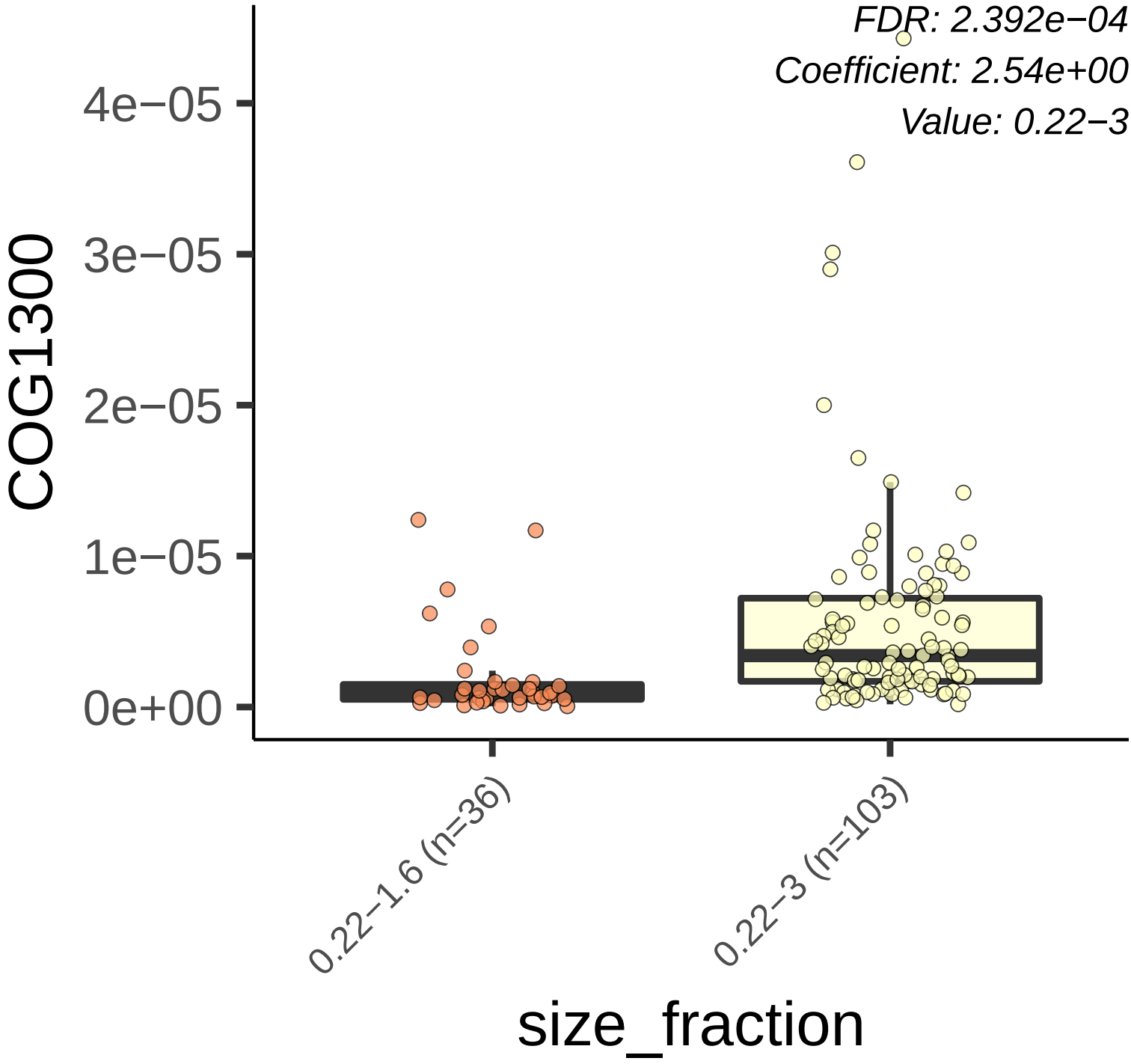

FDR: 1.637e−04
Coefficient: 3.66e+00
Value: 0.22−3
COG4872
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

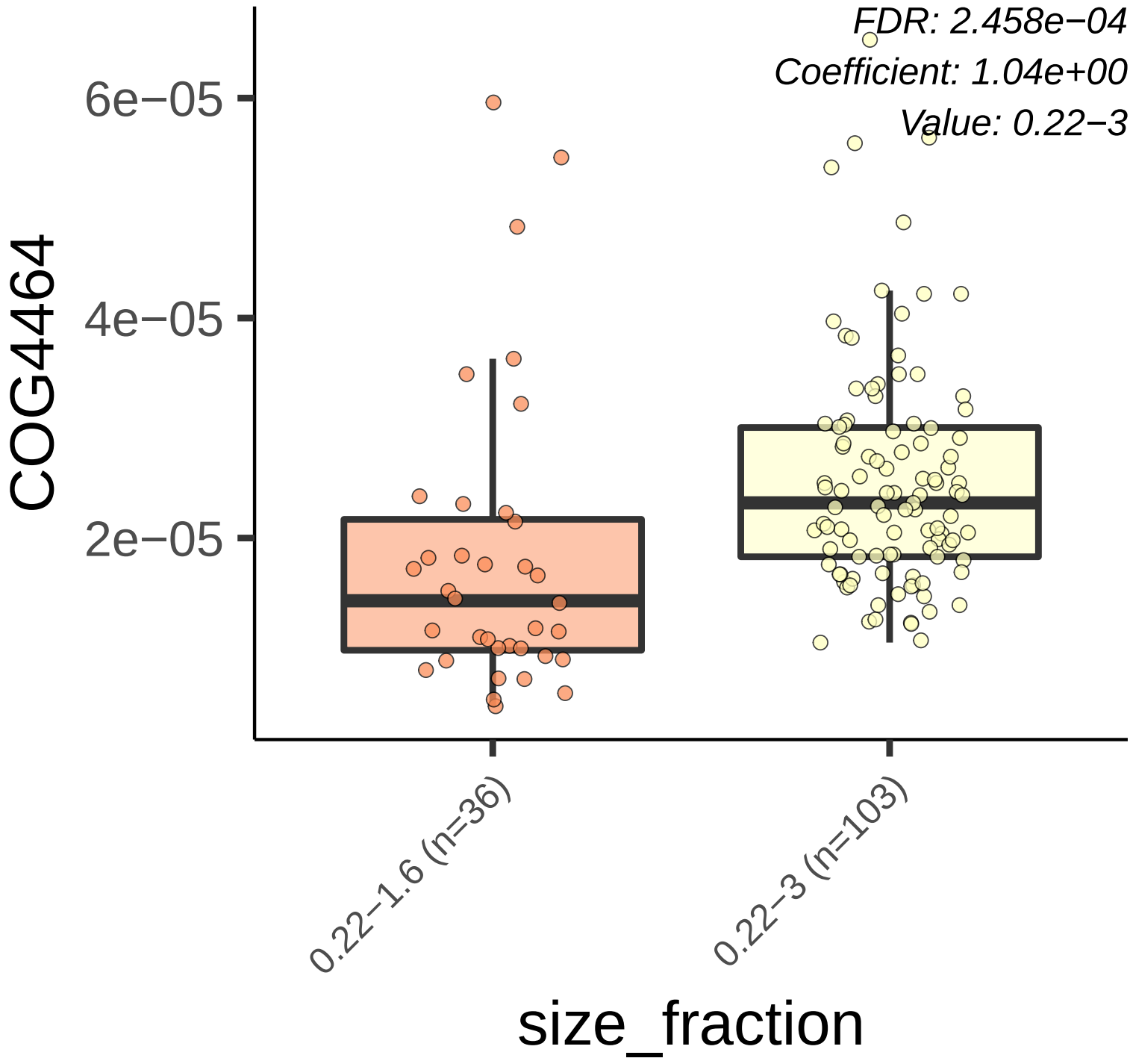

FDR: 1.904e−04
Coefficient: 1.97e+00
Value: 0.22−3
COG2320
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

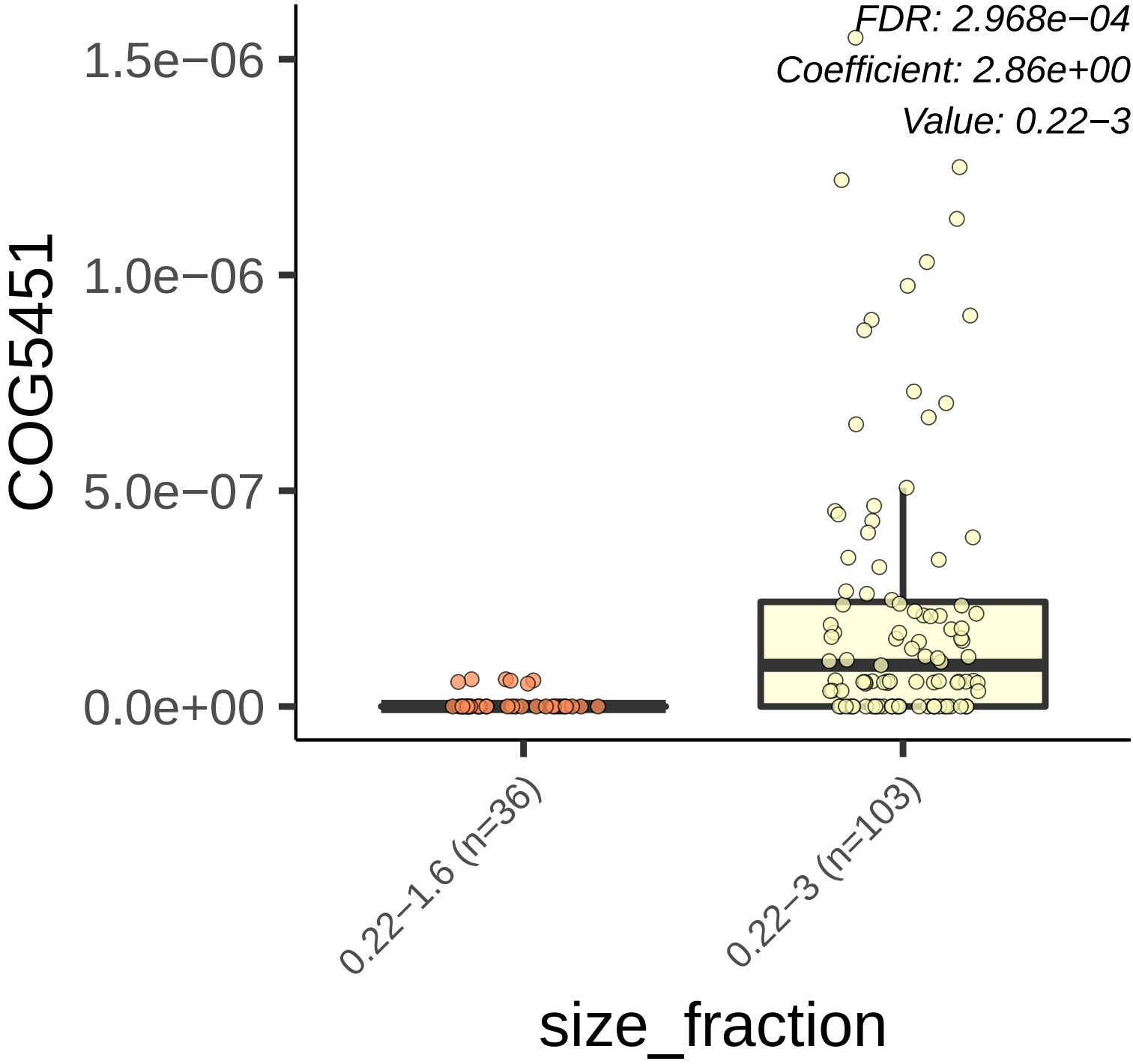

FDR: 1.952e−04
Coefficient: 9.44e−01
Value: 0.22−3
6e−04
4e−04
2e−04
COG0017
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

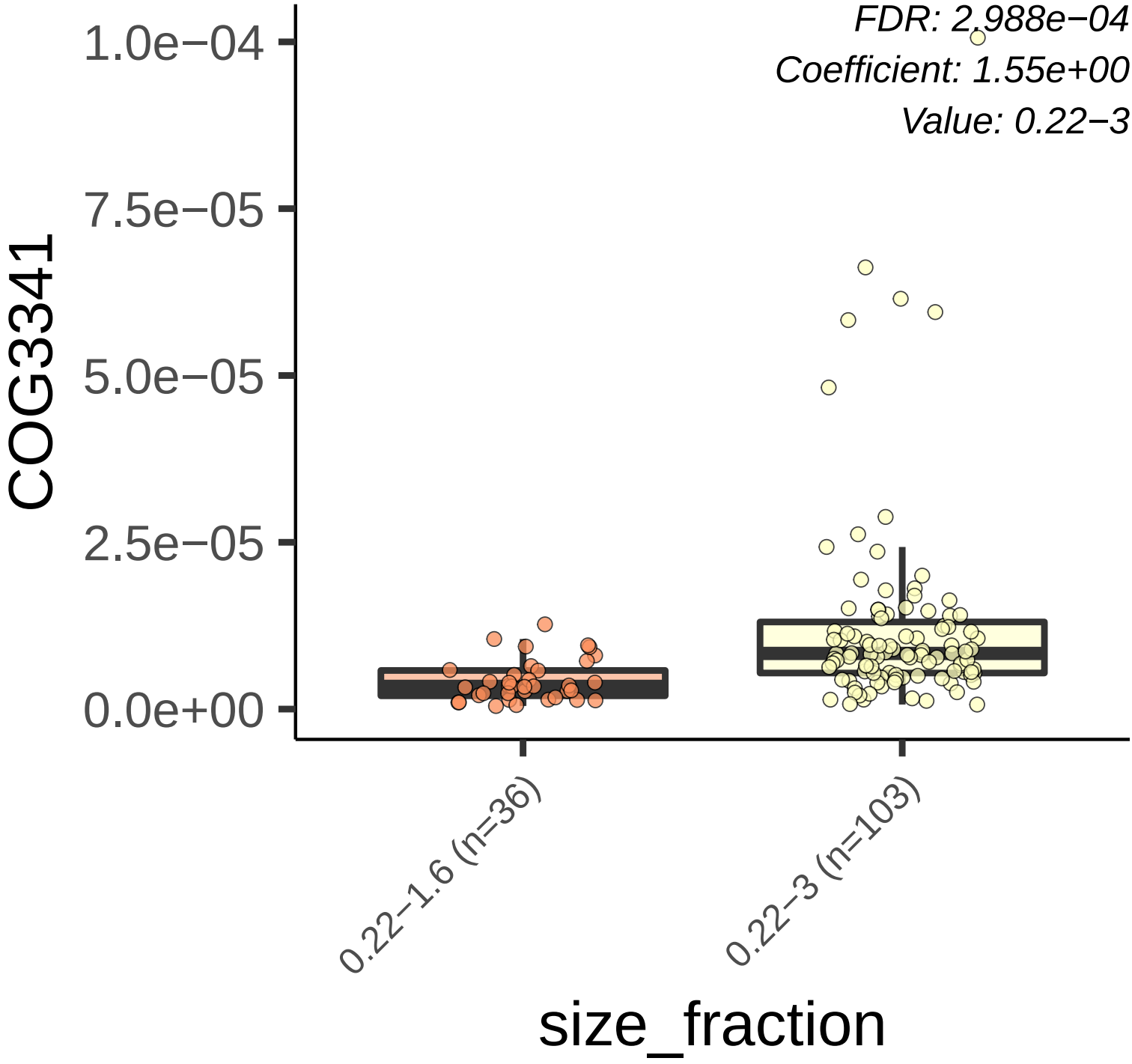

FDR: 2.242e−04
Coefficient: 7.69e−01
Value: 0.22−3
COG1721
5e−04
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

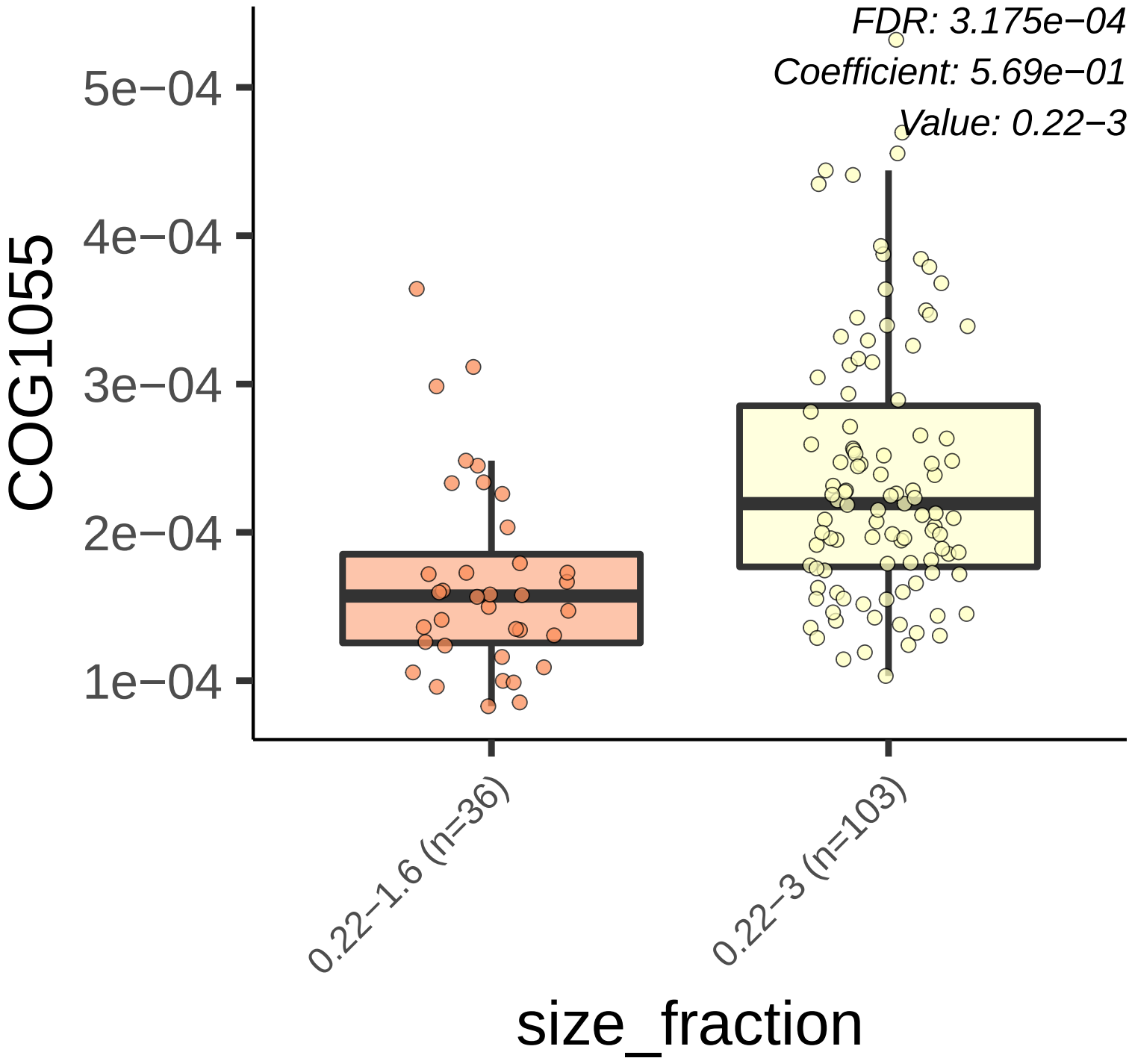

FDR: 2.387e−04
Coefficient: 7.10e−01
Value: 0.22−3
3e−04
2e−04
1e−04
COG1363
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

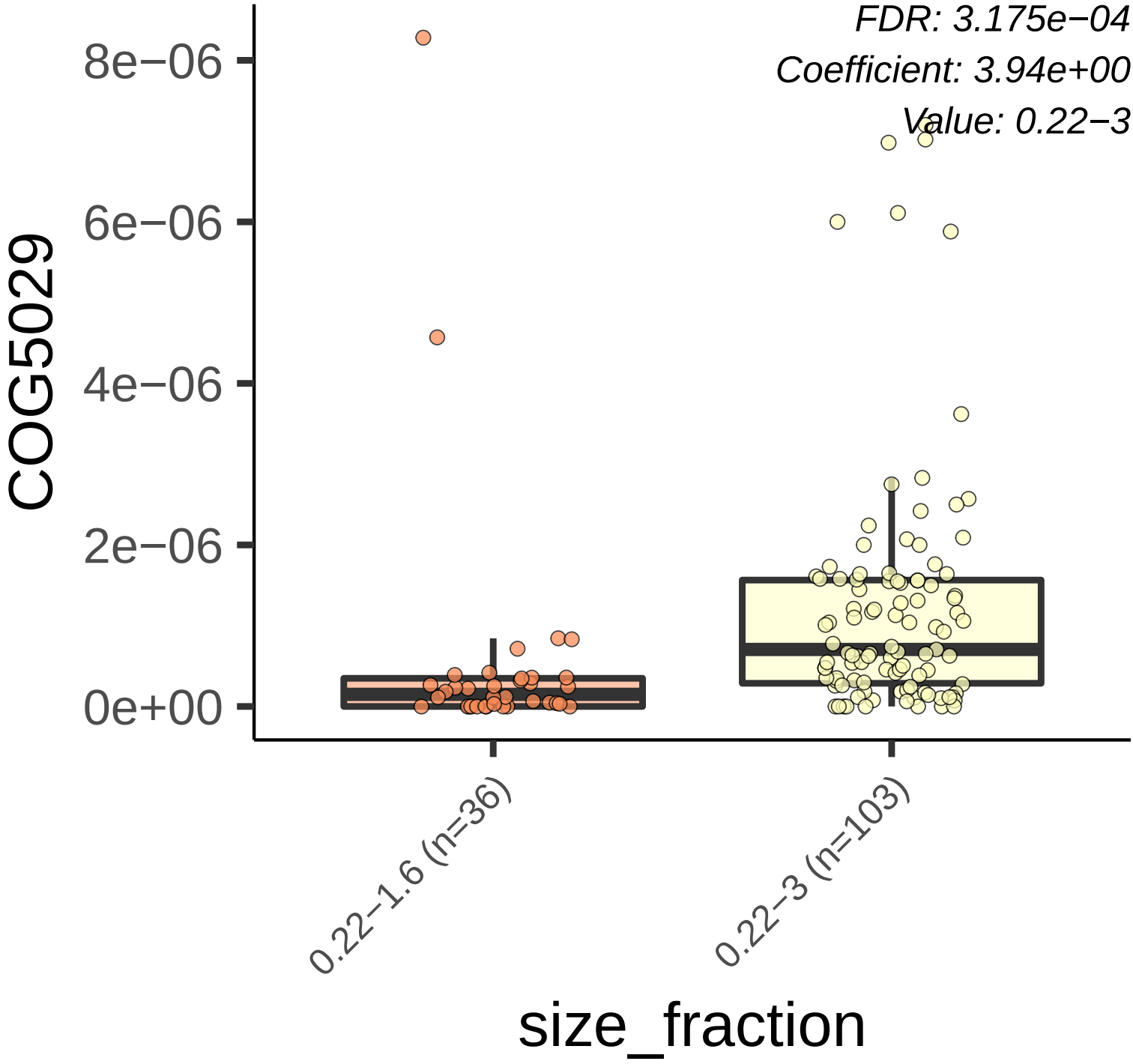

FDR: 2.392e−04
Coefficient: 2.54e+00
Value: 0.22−3
COG1300
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

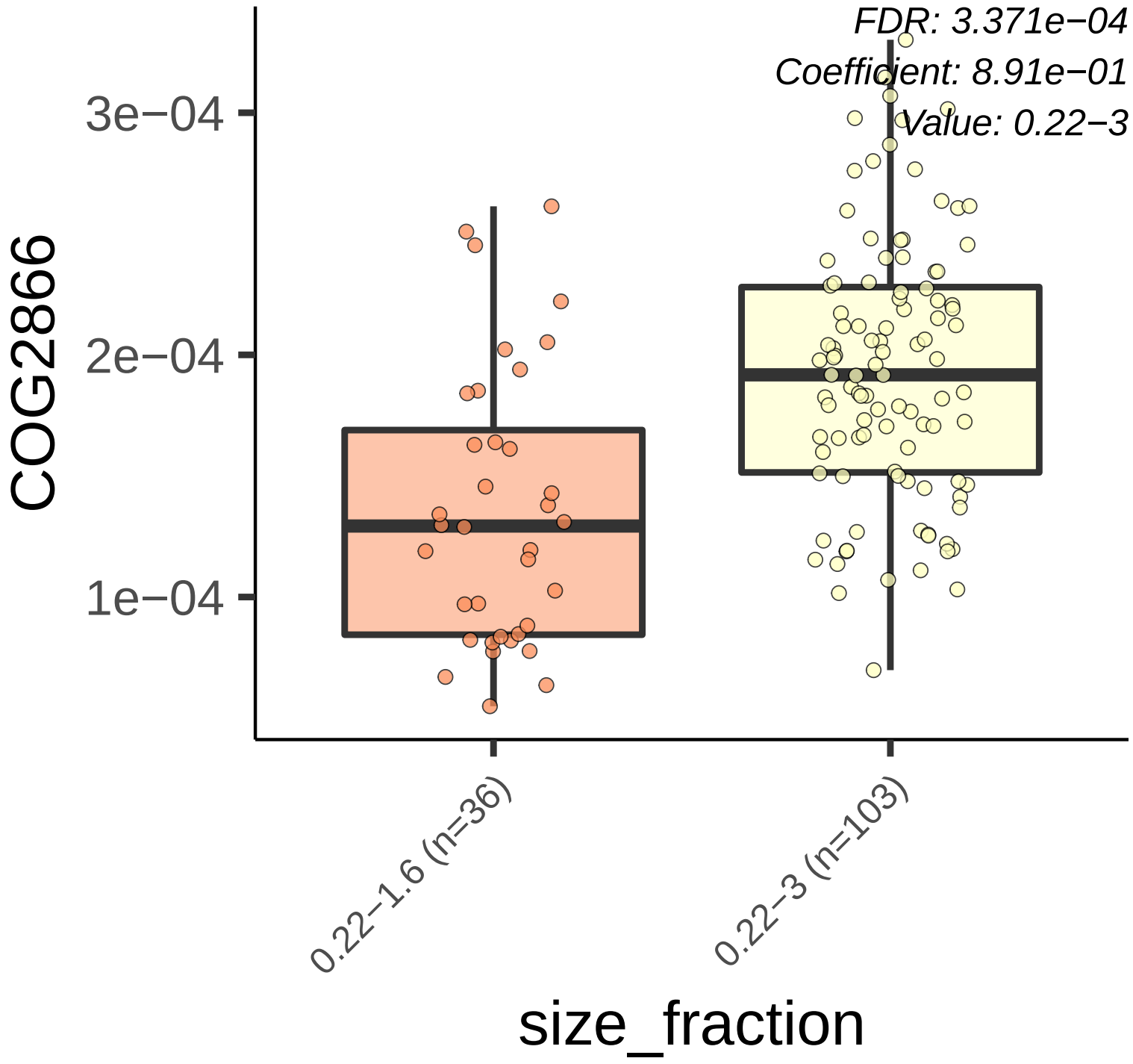

FDR: 2.458e−04
Coefficient: 1.04e+00
Value: 0.22−3
COG4464
6e−05
4e−05
2e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

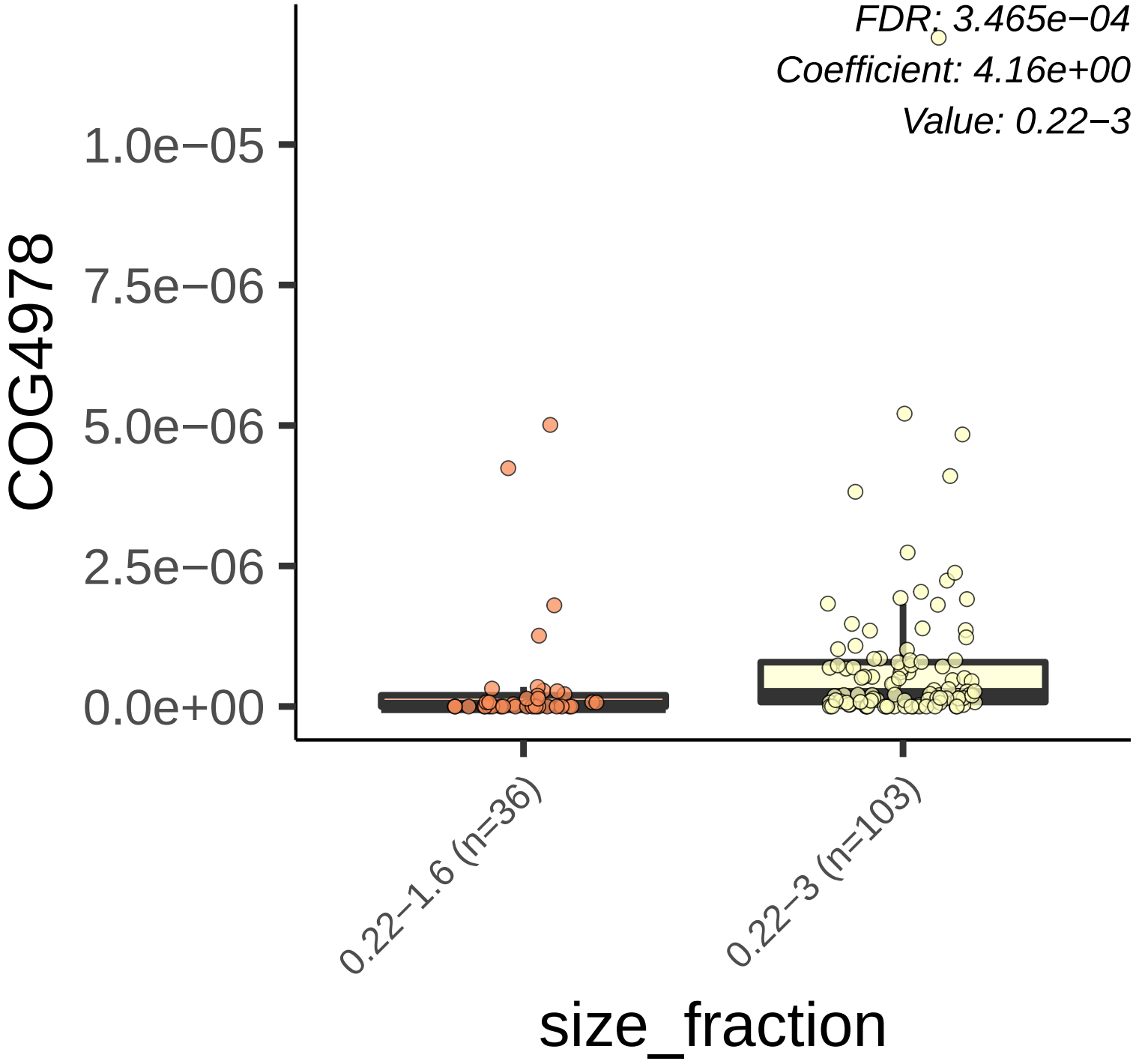

FDR: 2.968e−04
Coefficient: 2.86e+00
Value: 0.22−3
COG5451
1.5e−06
1.0e−06
5.0e−07
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

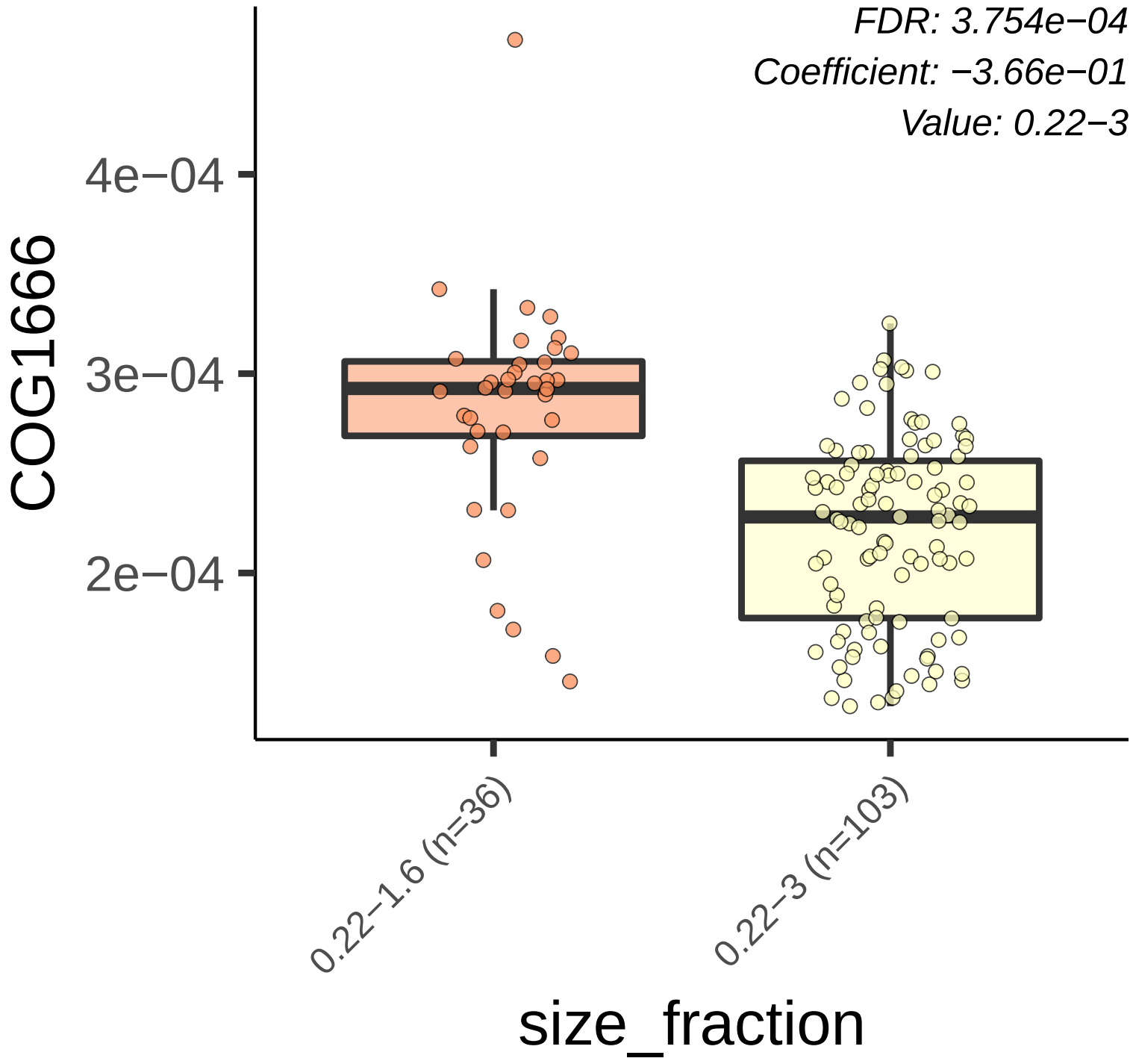

FDR: 2.988e−04
Coefficient: 1.55e+00
Value: 0.22−3
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG3341
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

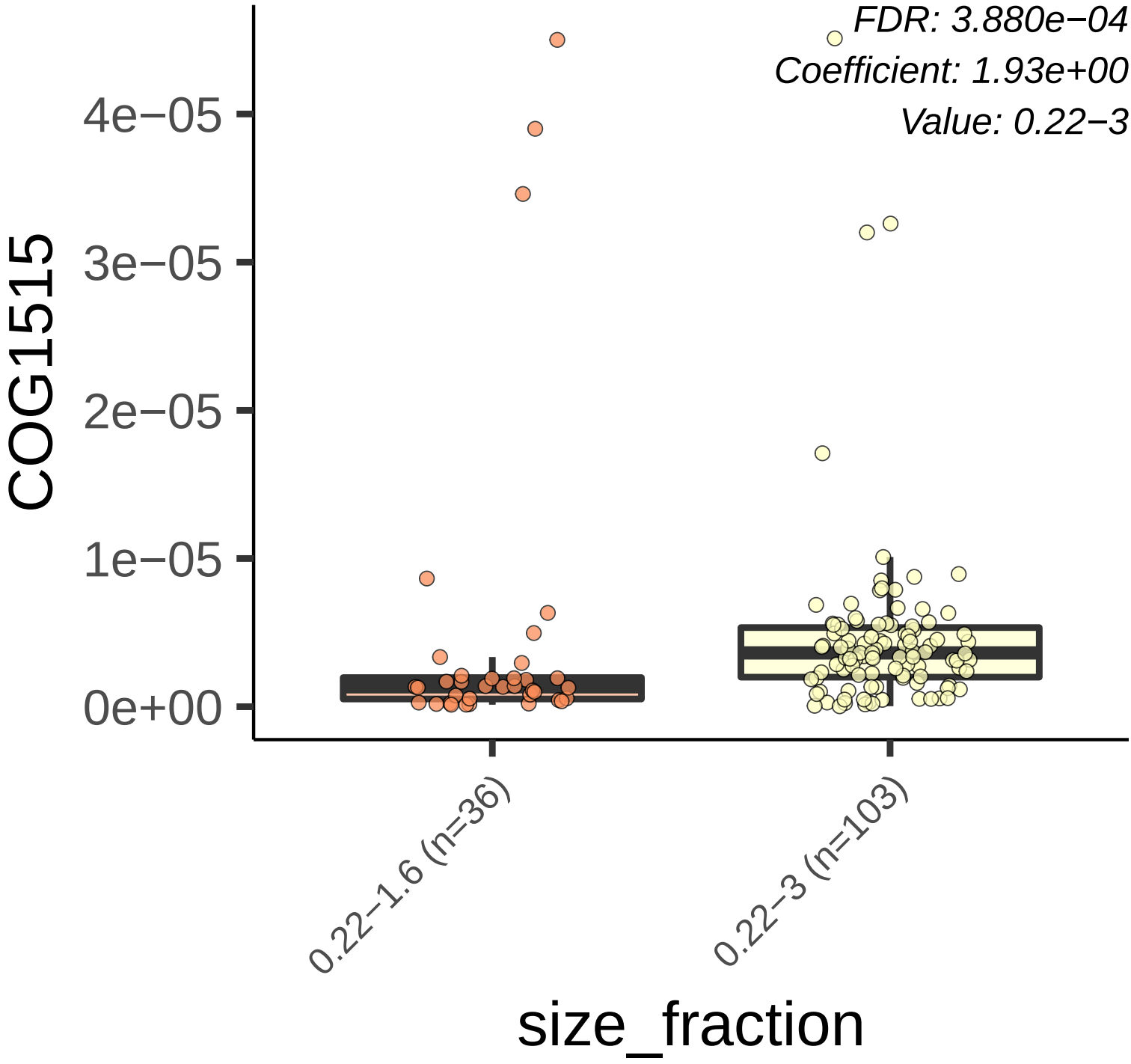

FDR: 3.175e−04
Coefficient: 5.69e−01
Value: 0.22−3
COG1055
5e−04
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

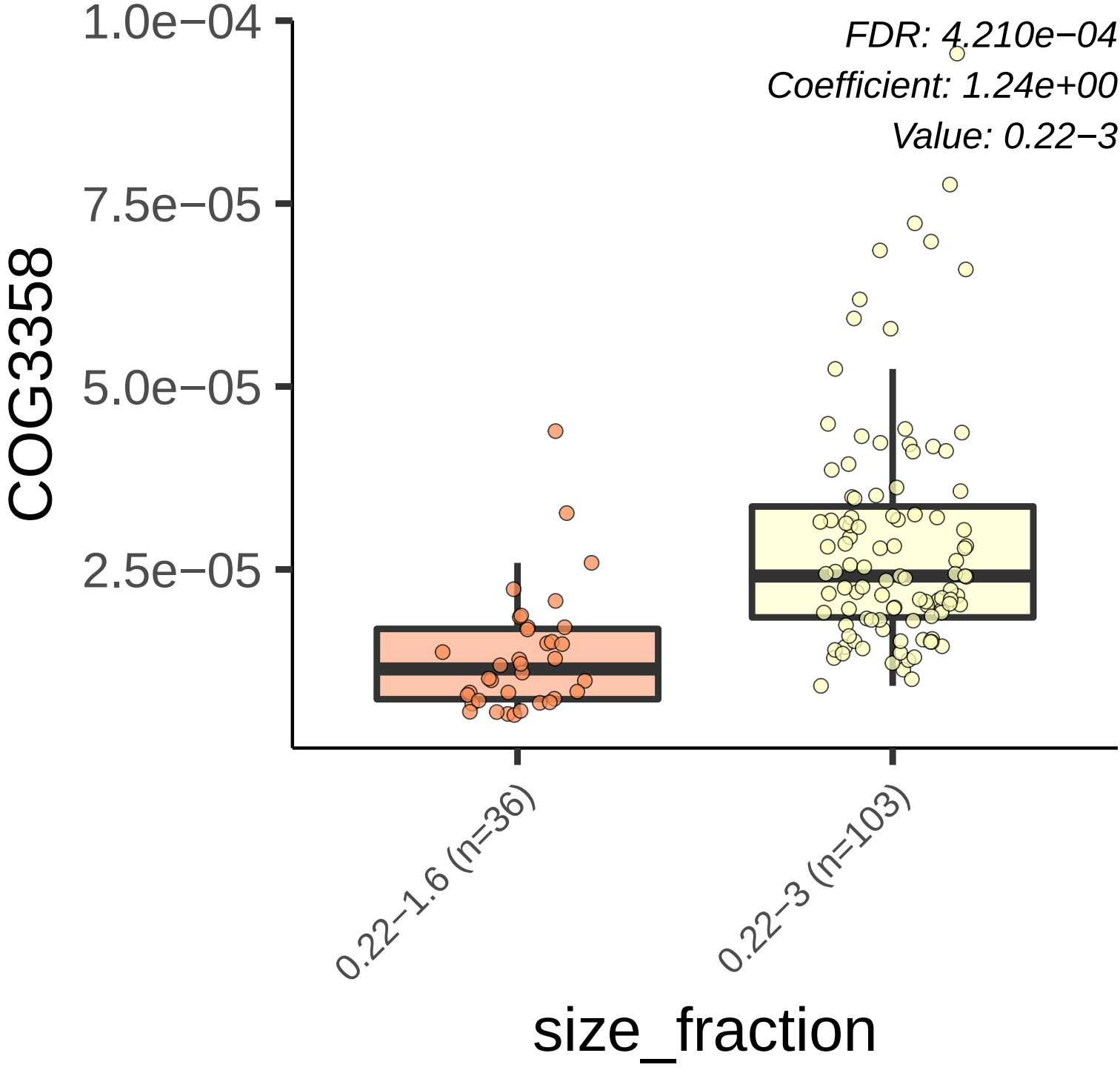

FDR: 3.175e−04
Coefficient: 3.94e+00
Value: 0.22−3
COG5029
8e−06
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

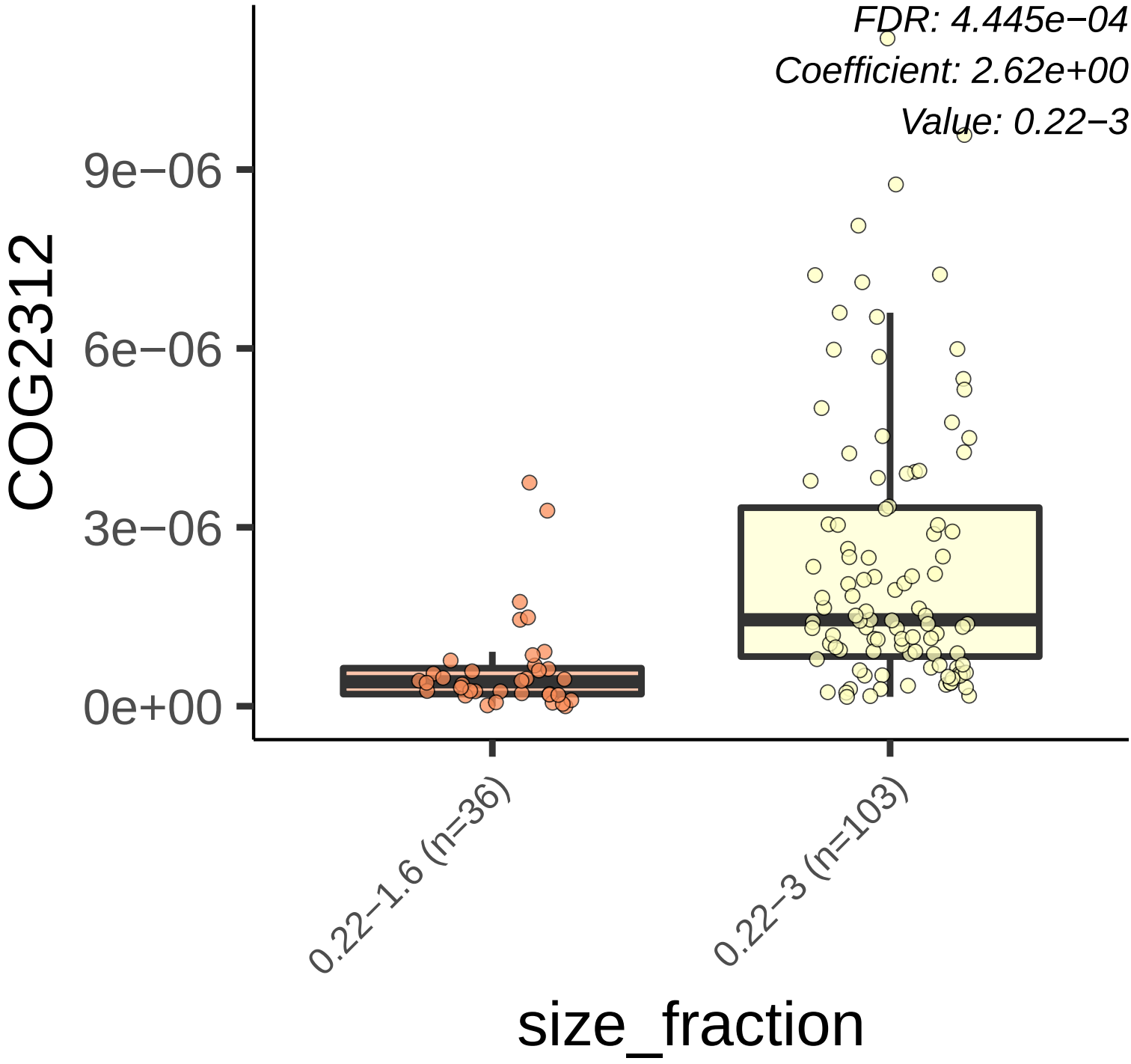

FDR: 3.371e−04
Coefficient: 8.91e−01
Value: 0.22−3
COG2866
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

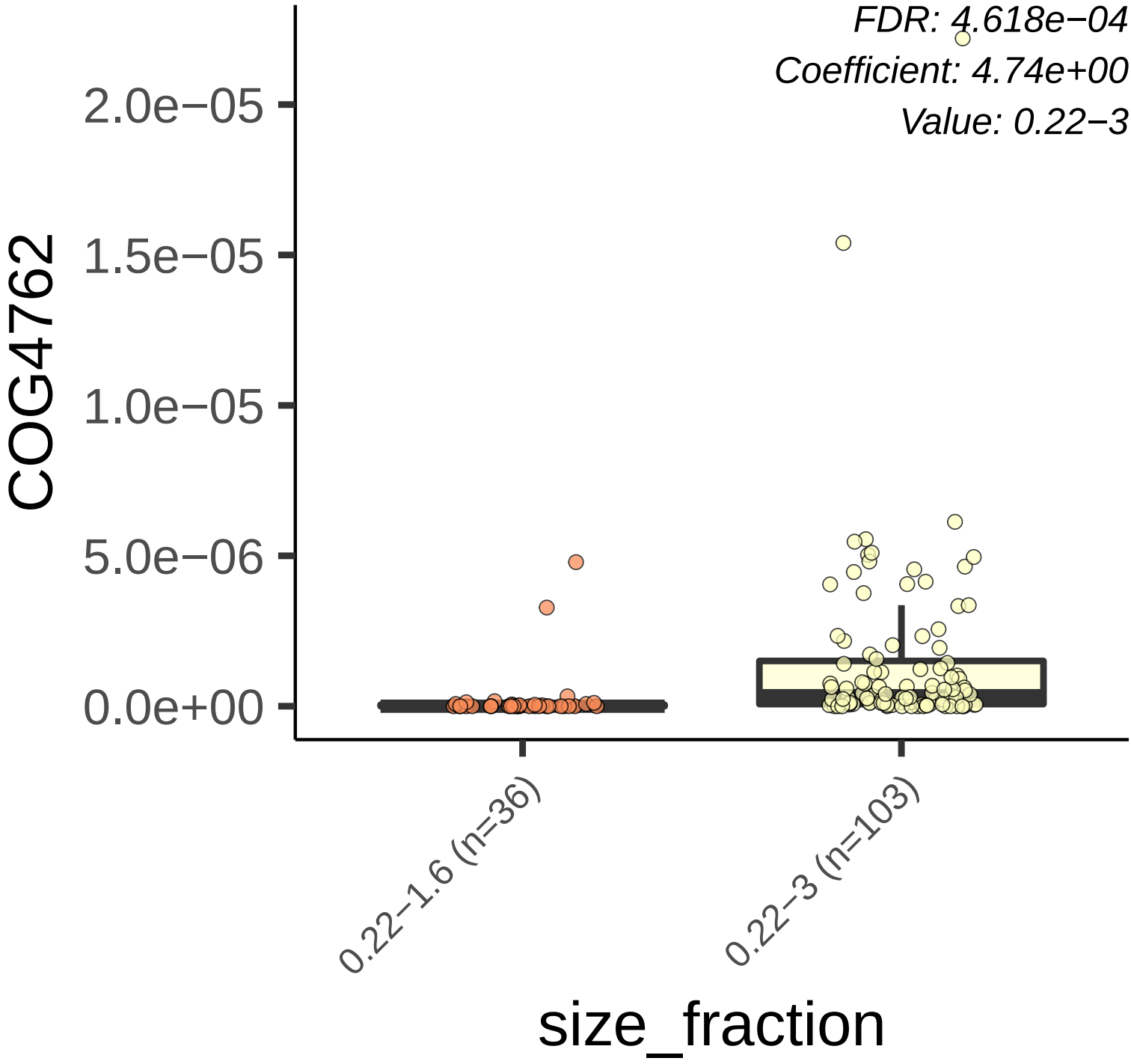

FDR: 3.465e−04
Coefficient: 4.16e+00
Value: 0.22−3
COG4978
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

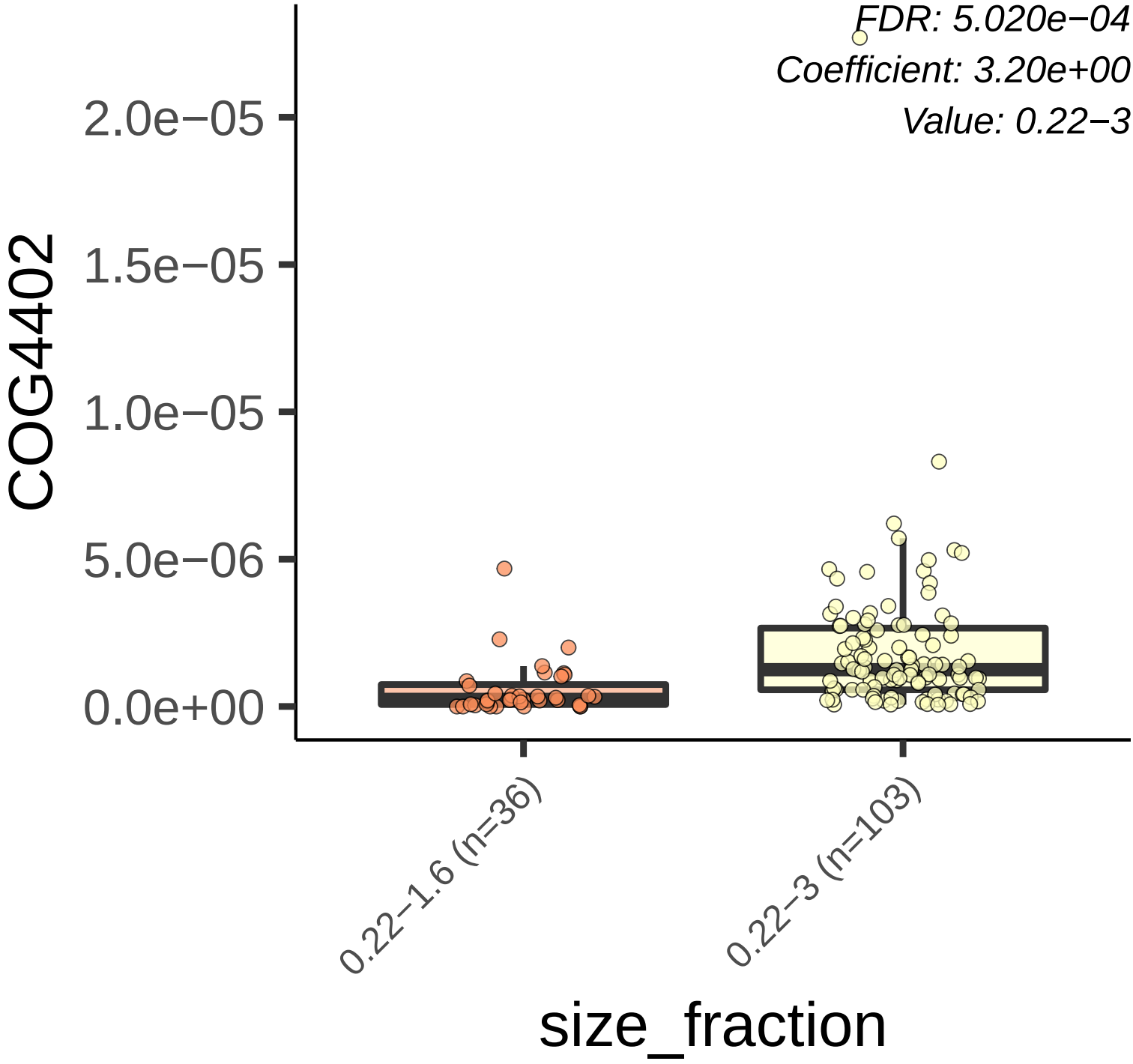

FDR: 3.754e−04
Coefficient: −3.66e−01
Value: 0.22−3
COG1666
4e−04
3e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

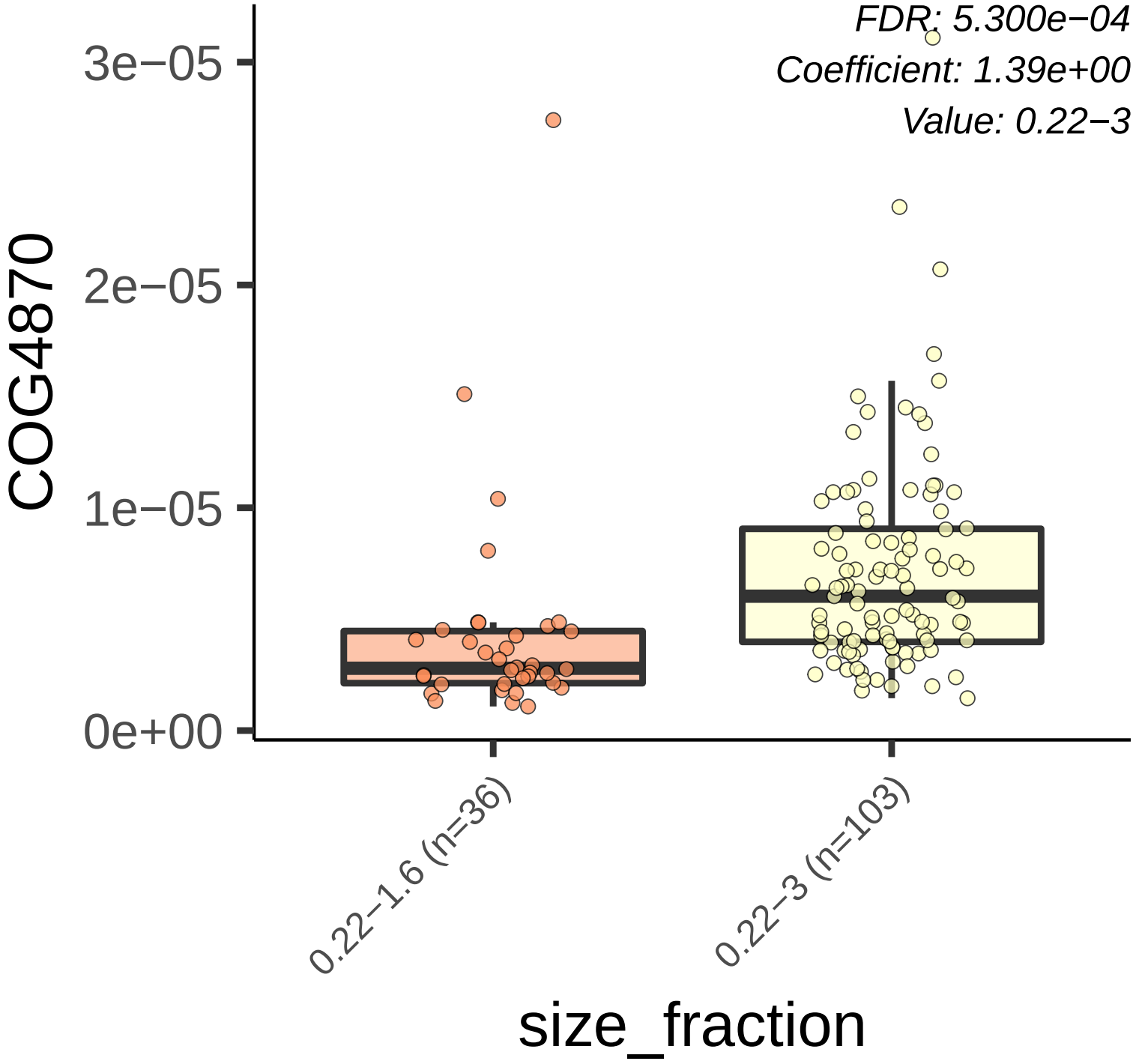

FDR: 3.880e−04
Coefficient: 1.93e+00
Value: 0.22−3
COG1515
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

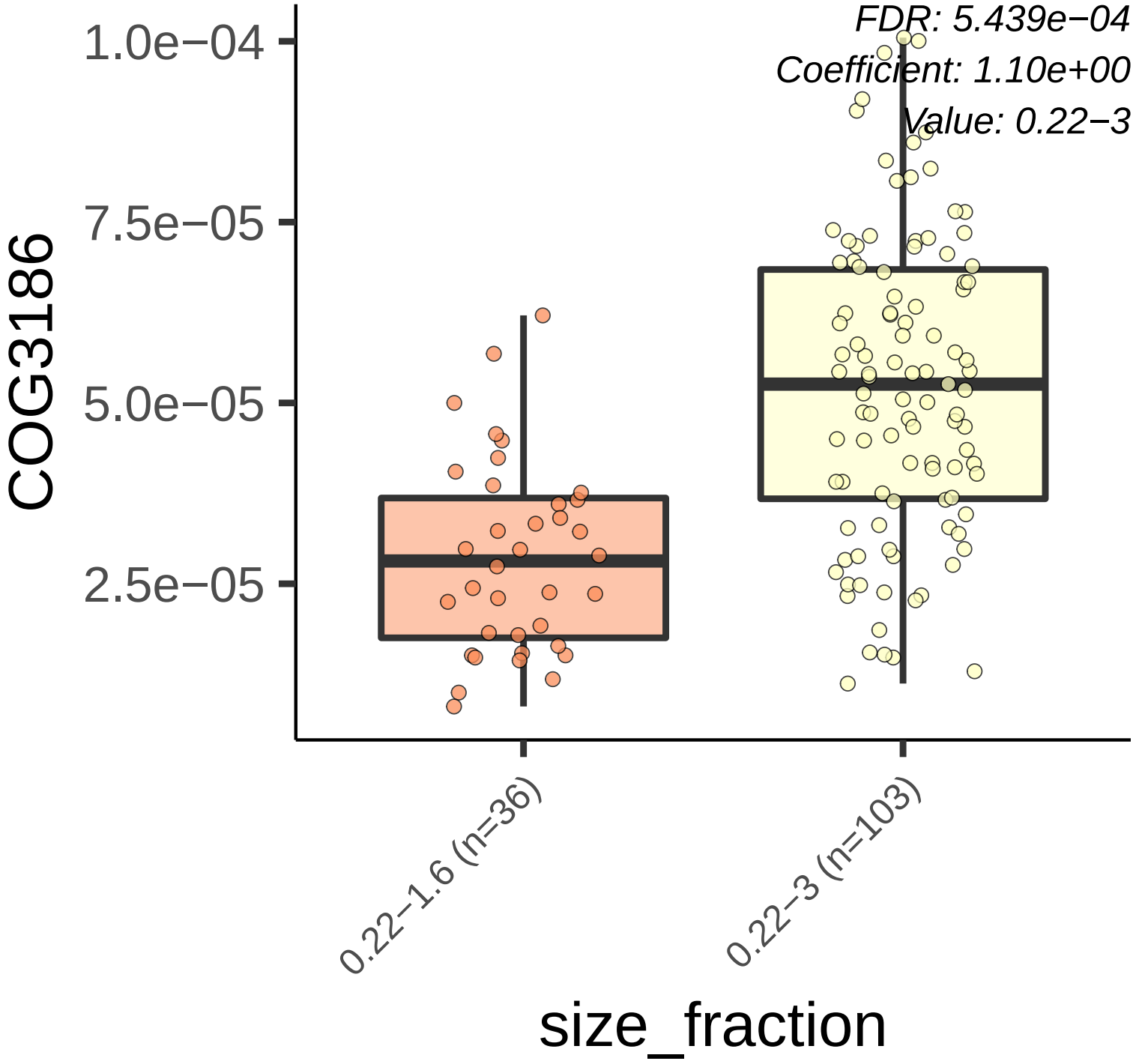

FDR: 4.210e−04
Coefficient: 1.24e+00
Value: 0.22−3
1.0e−04
7.5e−05
5.0e−05
2.5e−05
COG3358
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

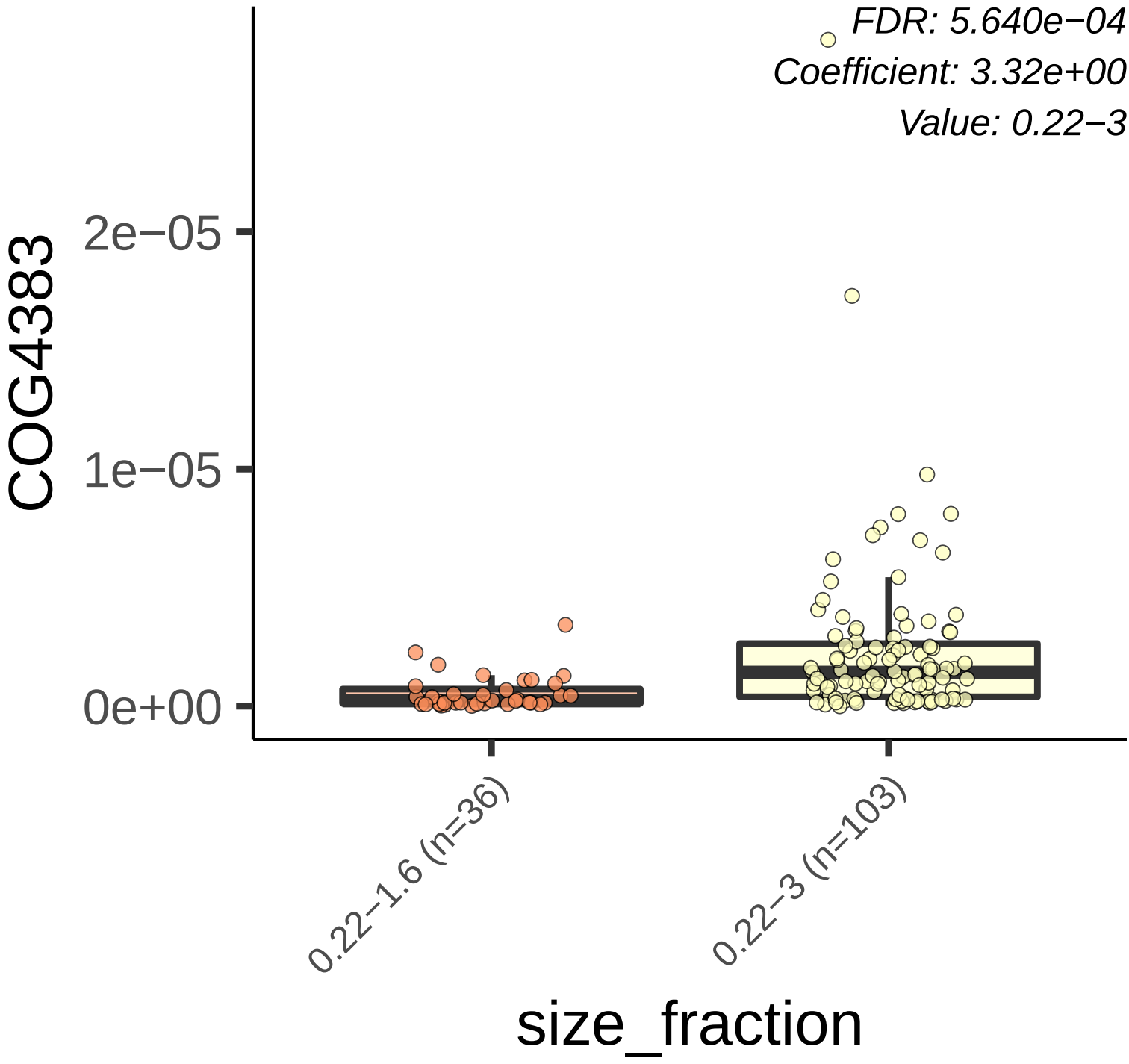

FDR: 4.445e−04
Coefficient: 2.62e+00
Value: 0.22−3
COG2312
9e−06
6e−06
3e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

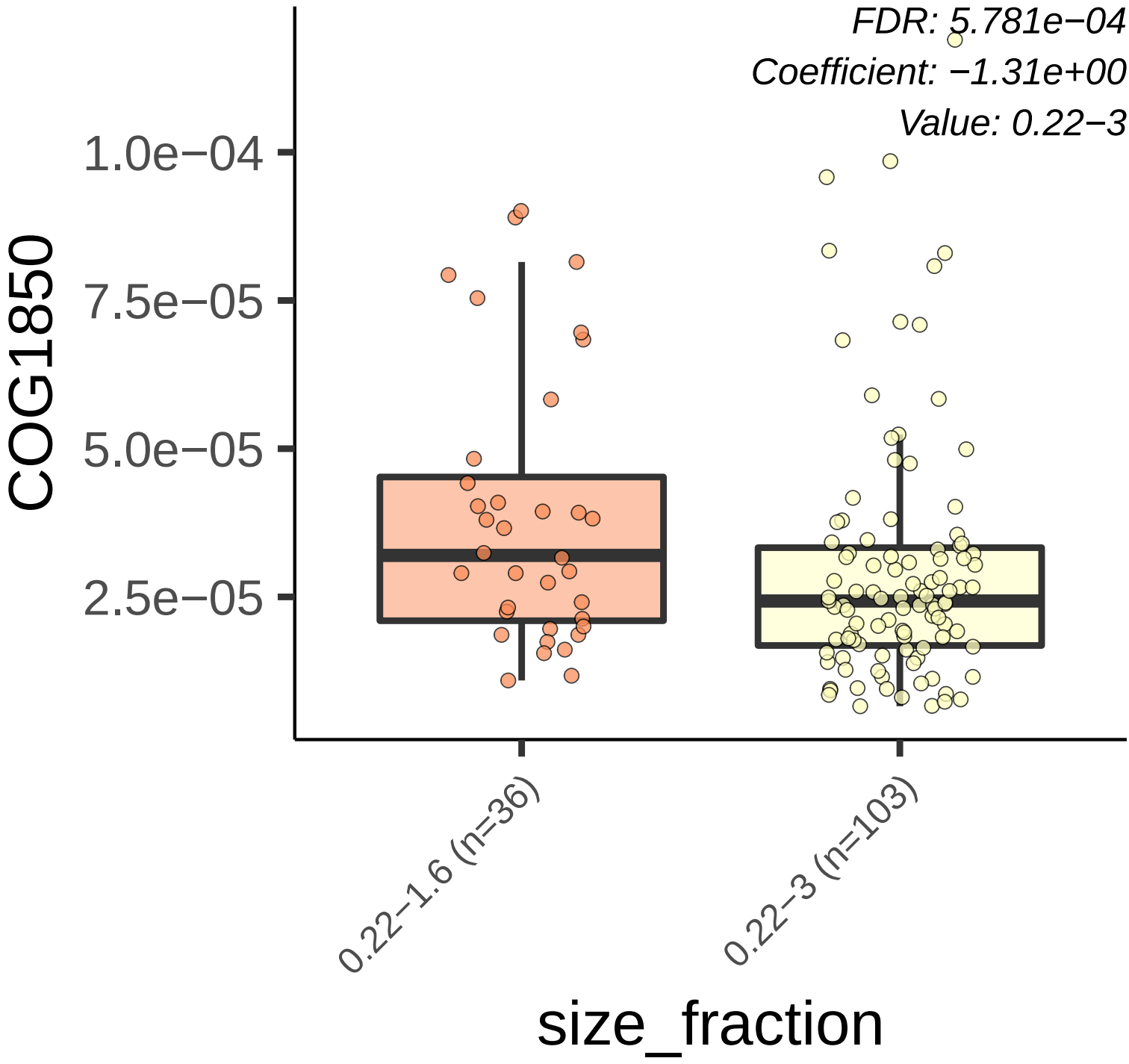

FDR: 4.618e−04
Coefficient: 4.74e+00
Value: 0.22−3
COG4762
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

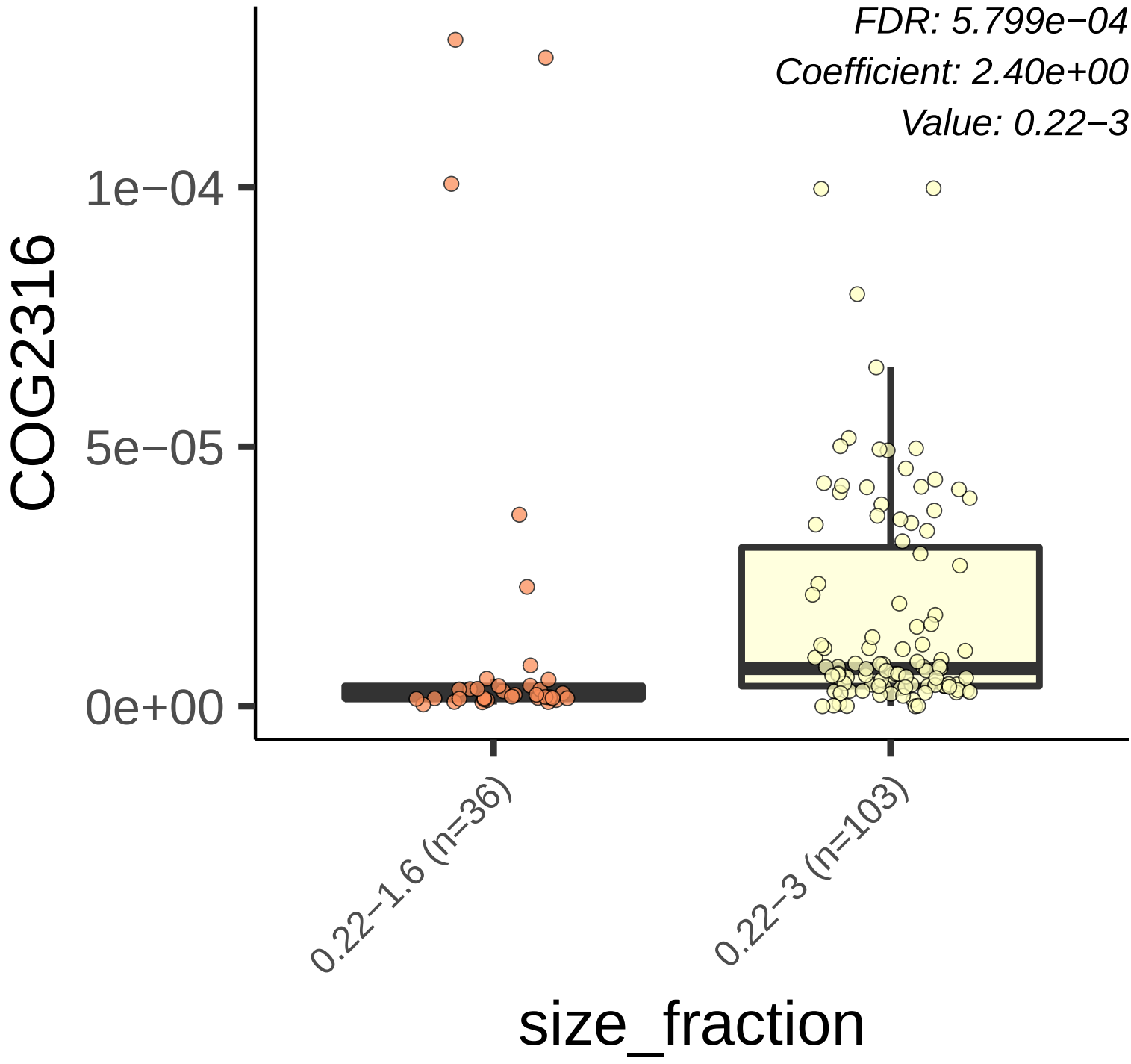

FDR: 5.020e−04
Coefficient: 3.20e+00
Value: 0.22−3
COG4402
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

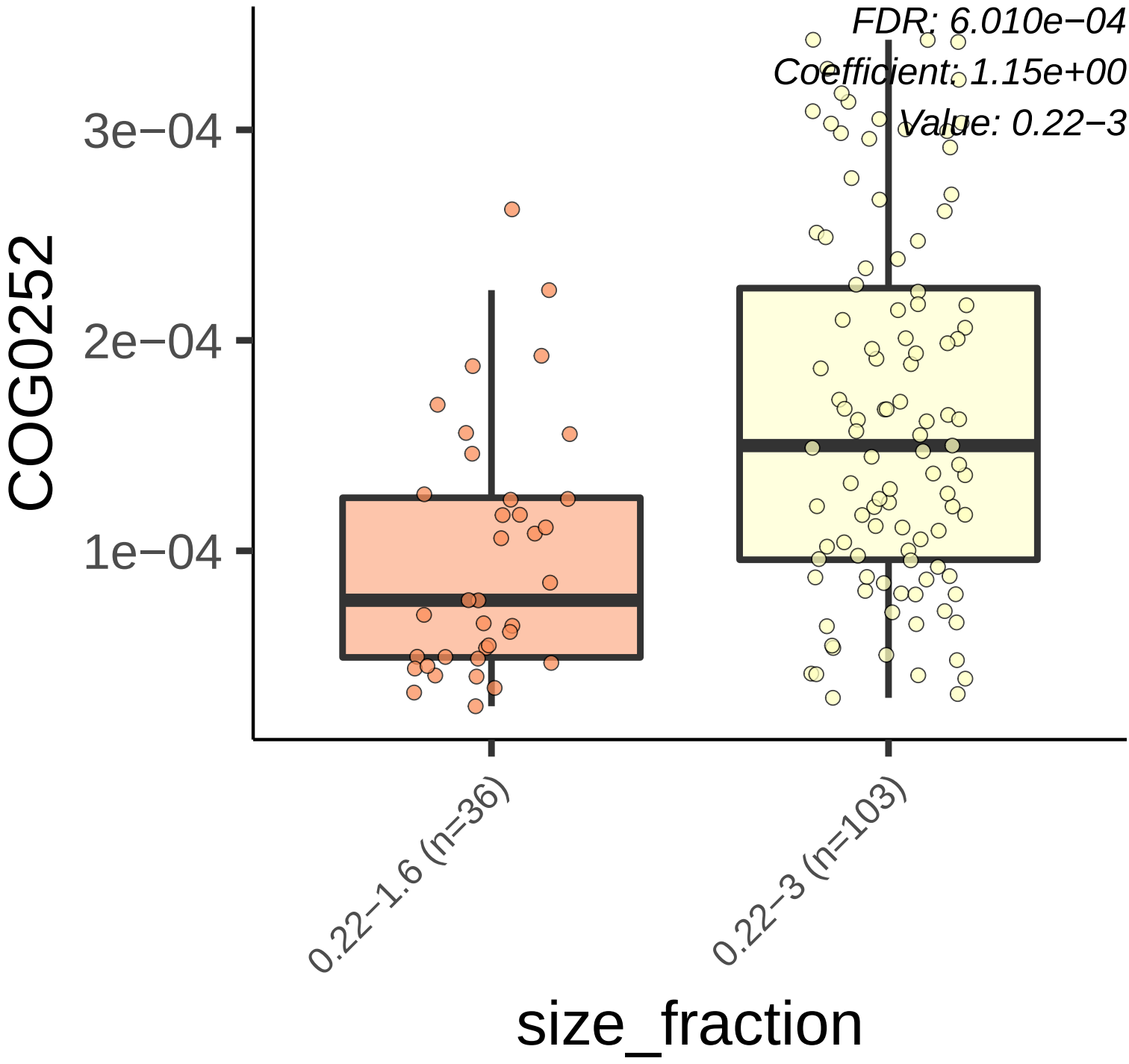

FDR: 5.300e−04
Coefficient: 1.39e+00
Value: 0.22−3
COG4870
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

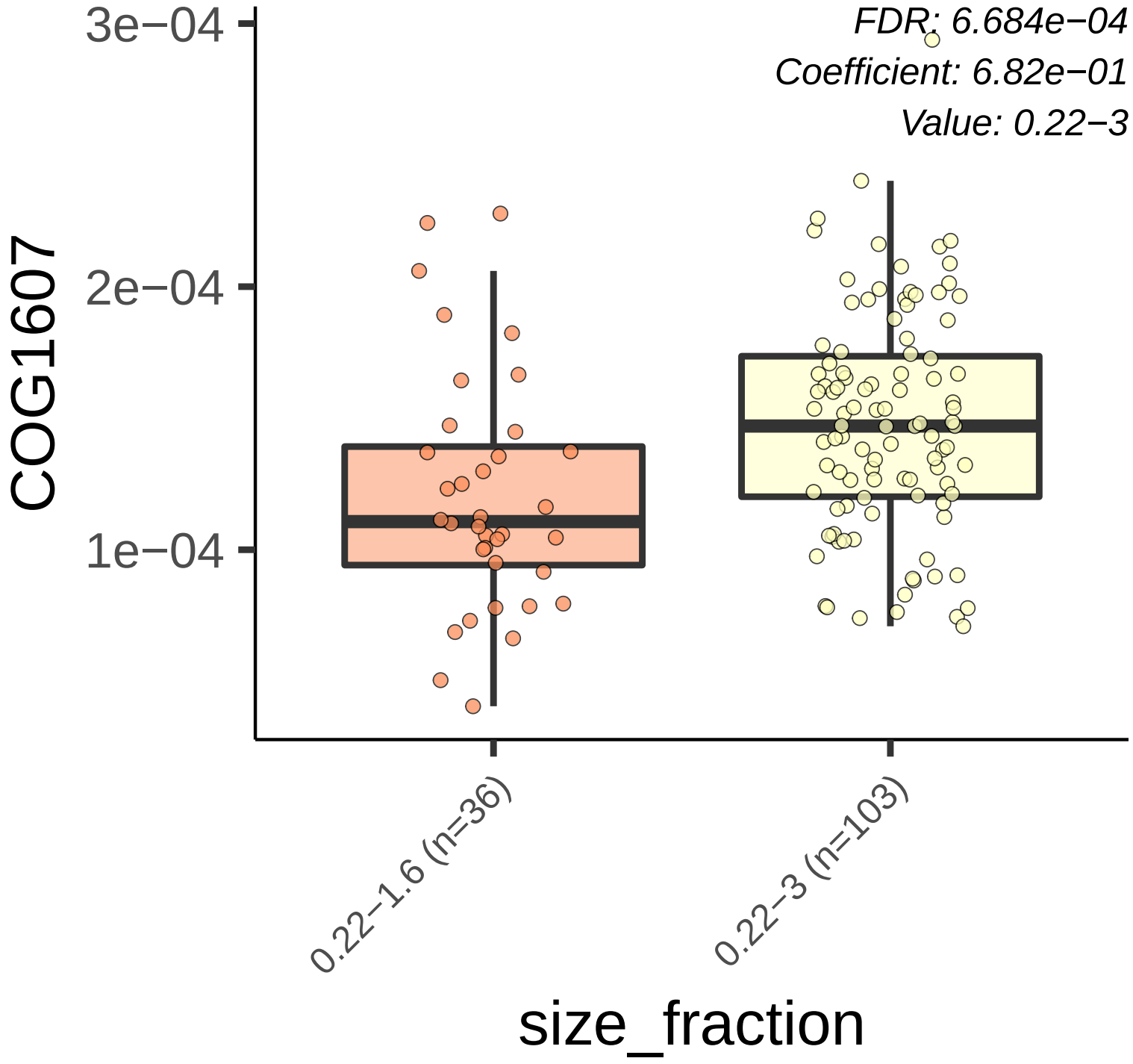

FDR: 5.439e−04
Coefficient: 1.10e+00
Value: 0.22−3
1.0e−04
7.5e−05
5.0e−05
2.5e−05
COG3186
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

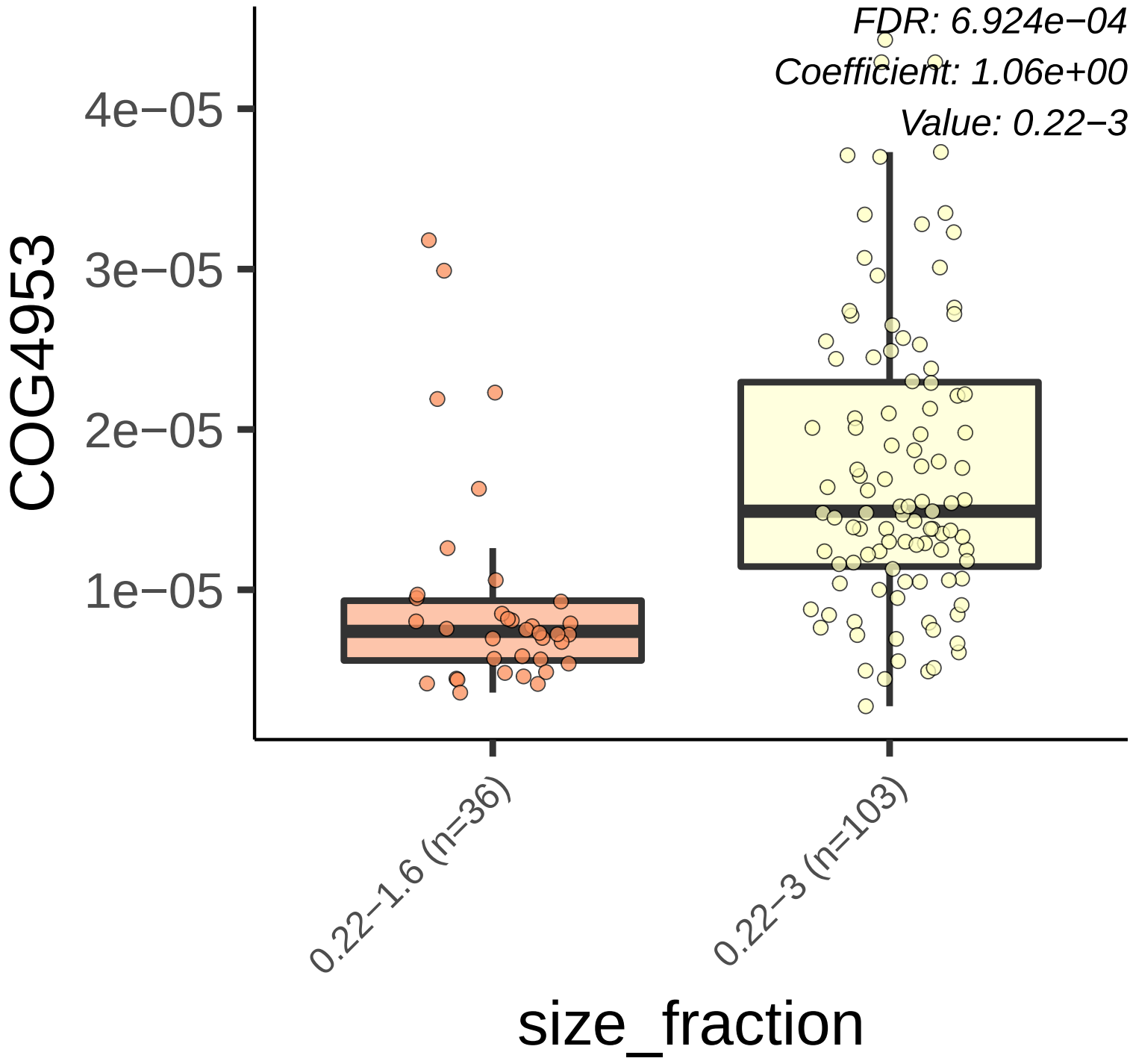

FDR: 5.640e−04
Coefficient: 3.32e+00
Value: 0.22−3
COG4383
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

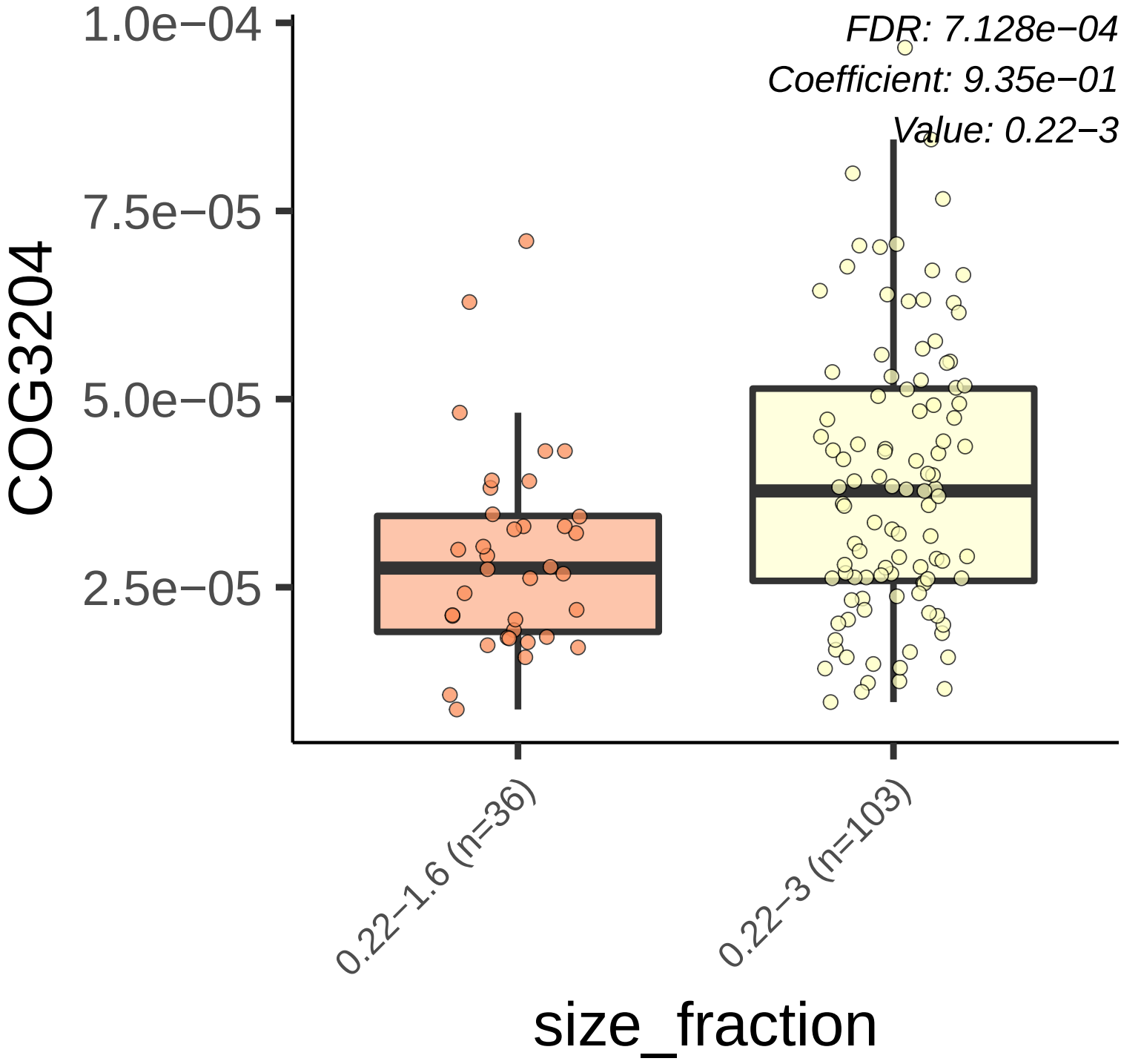

FDR: 5.781e−04
Coefficient: −1.31e+00
Value: 0.22−3
COG1850
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

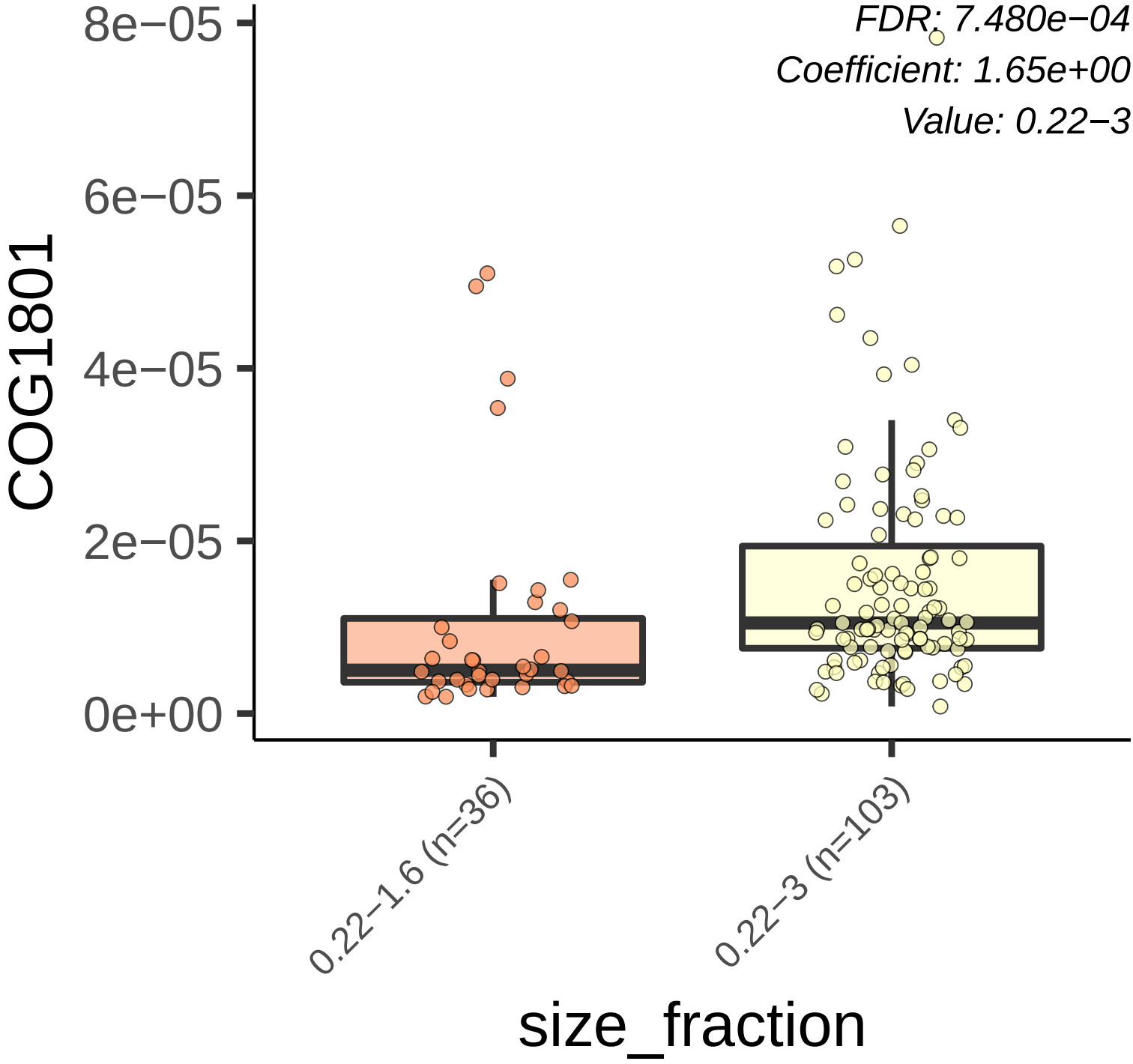

FDR: 5.799e−04
Coefficient: 2.40e+00
Value: 0.22−3
COG2316
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

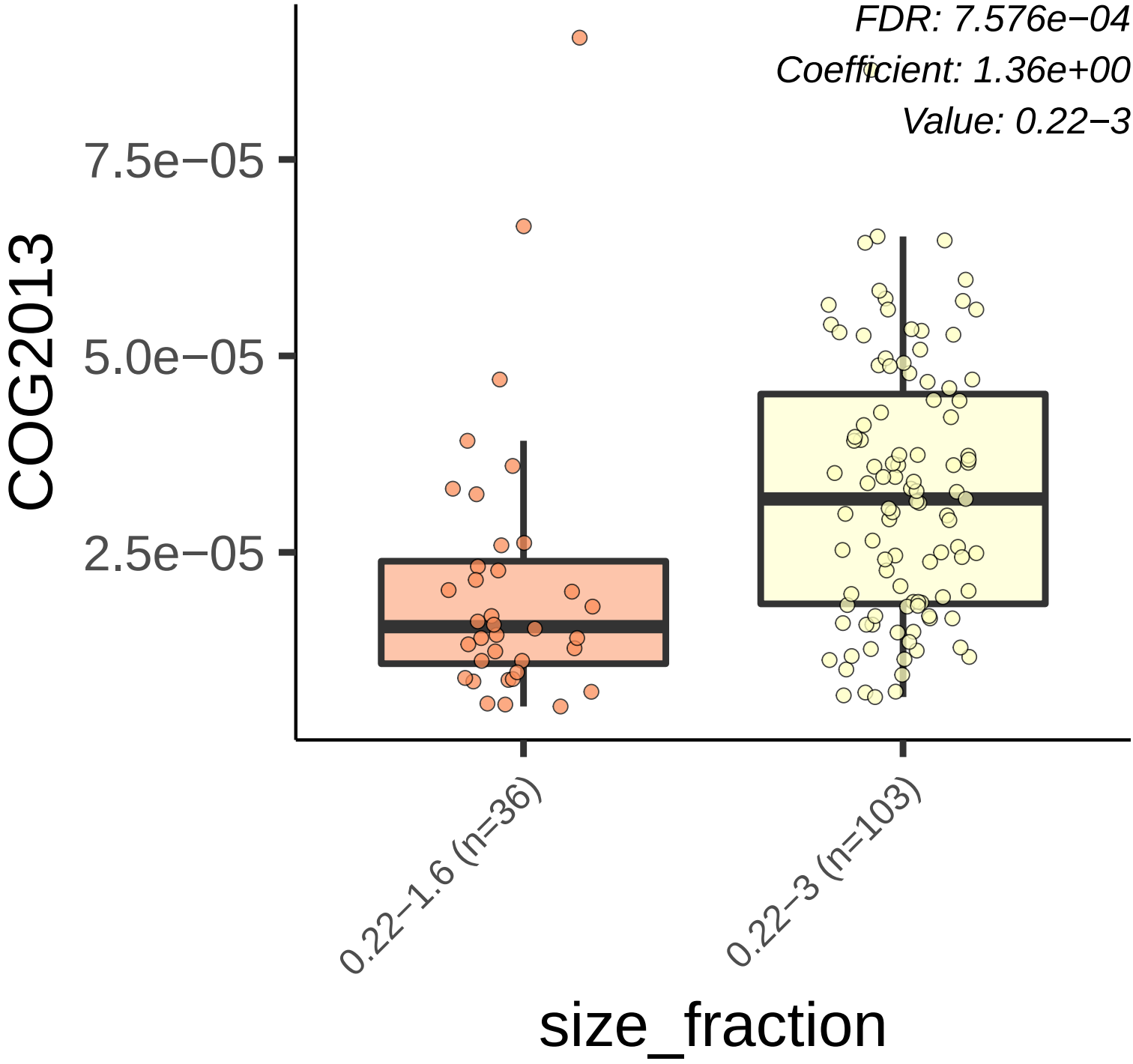

FDR: 6.010e−04
Coefficient: 1.15e+00
Value: 0.22−3
COG0252
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

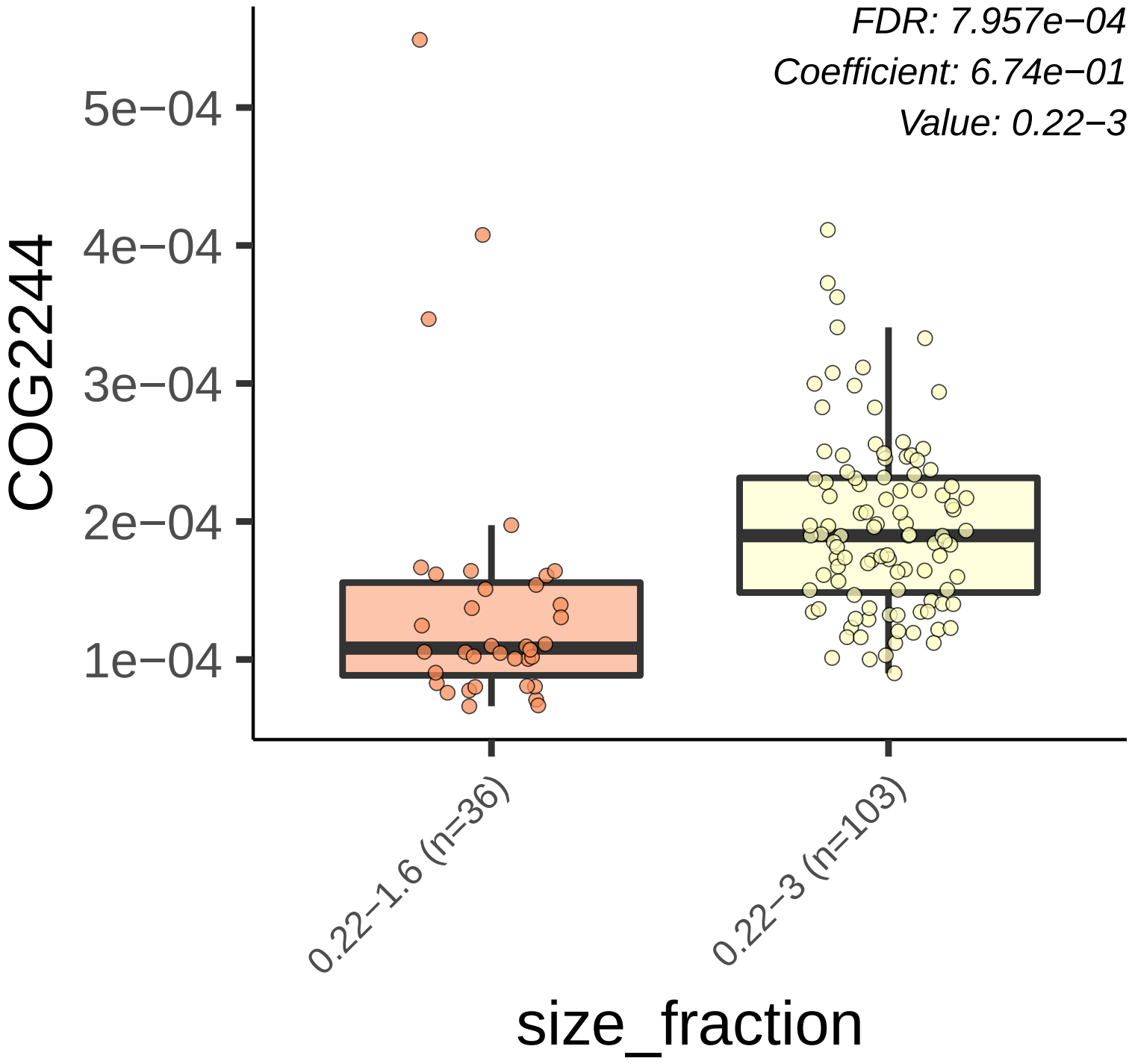

FDR: 6.684e−04
Coefficient: 6.82e−01
Value: 0.22−3
3e−04
2e−04
1e−04
COG1607
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

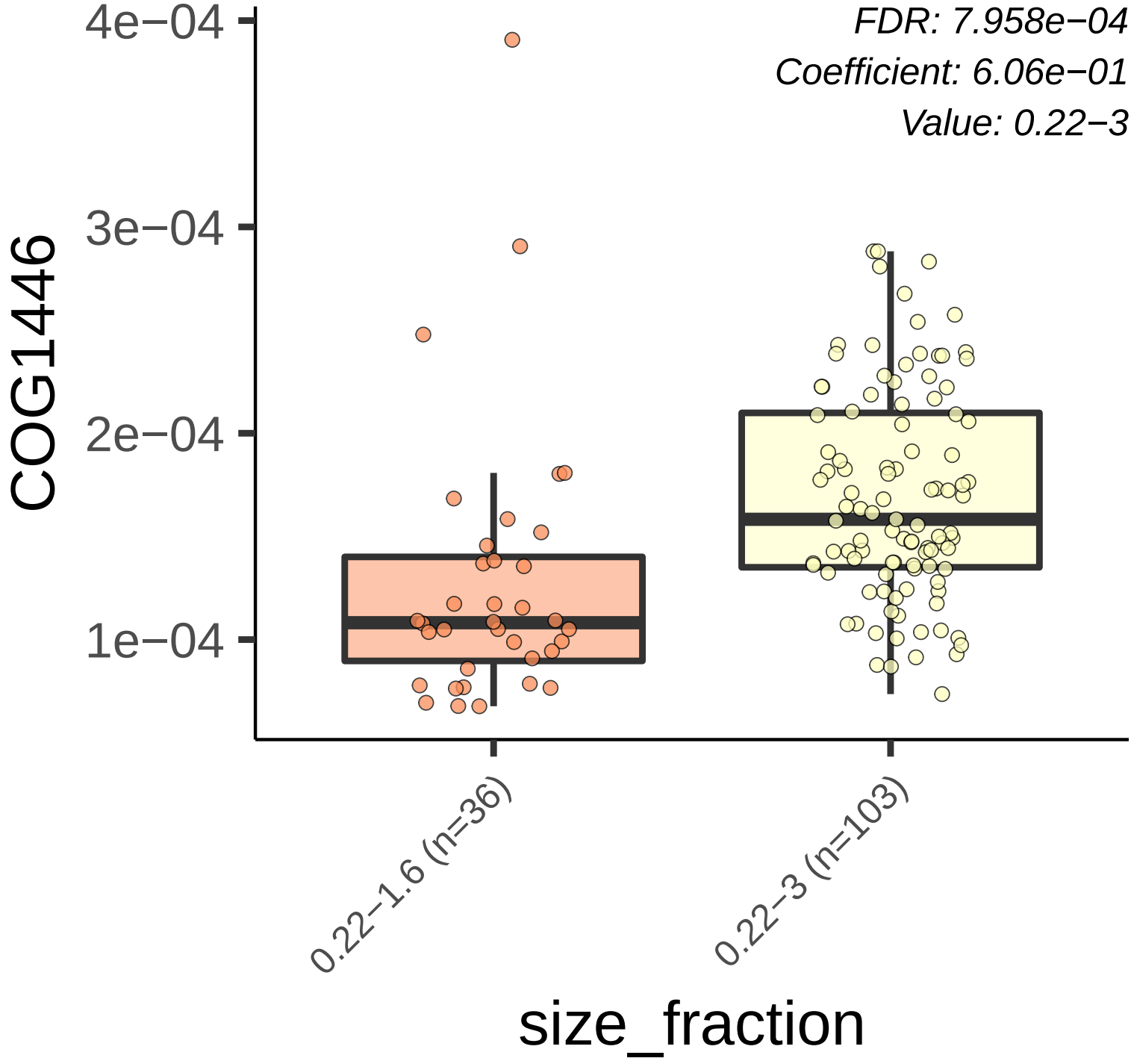

FDR: 6.924e−04
Coefficient: 1.06e+00
Value: 0.22−3
COG4953
4e−05
3e−05
2e−05
1e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

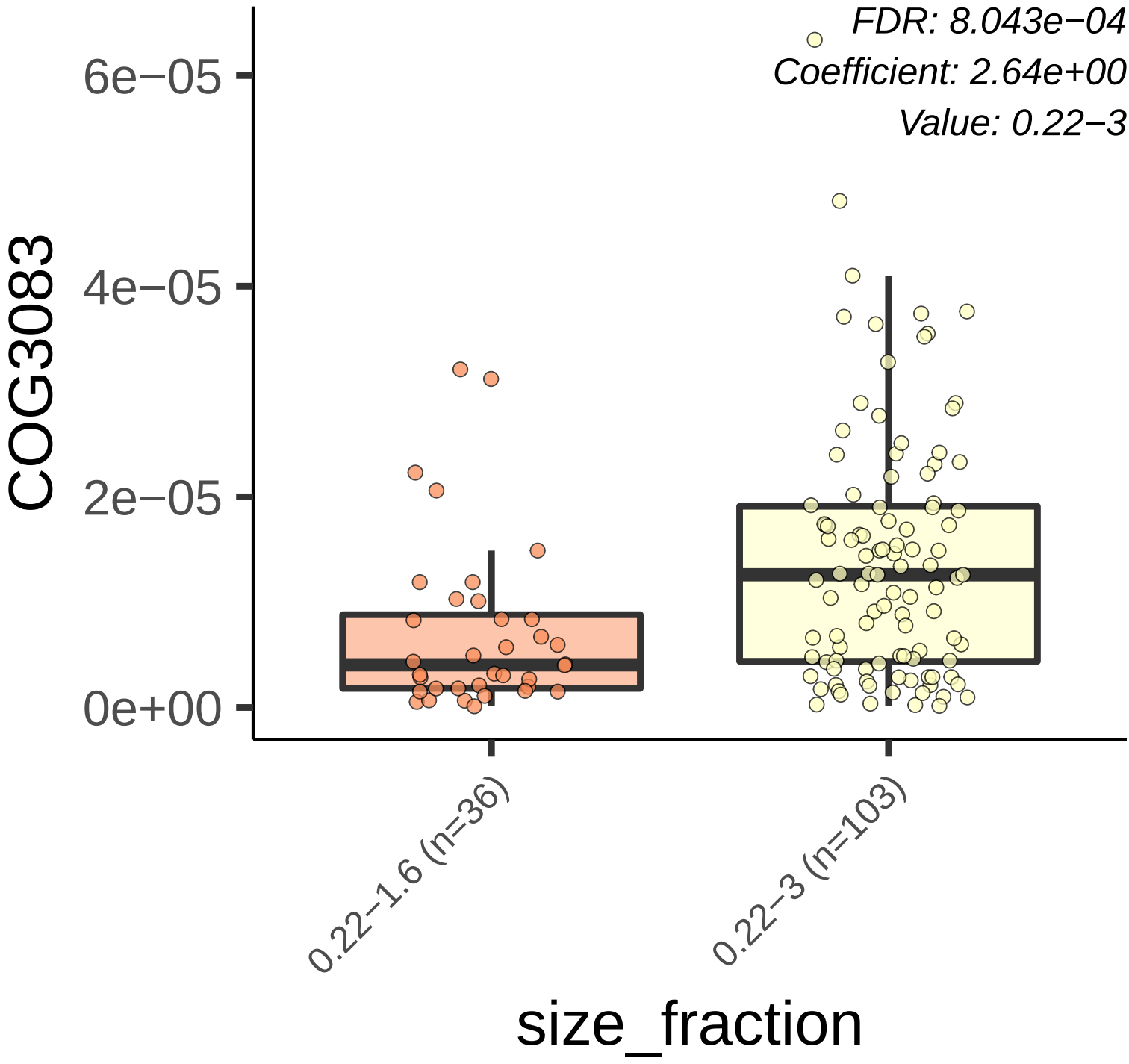

FDR: 7.128e−04
Coefficient: 9.35e−01
Value: 0.22−3
1.0e−04
7.5e−05
5.0e−05
2.5e−05
COG3204
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

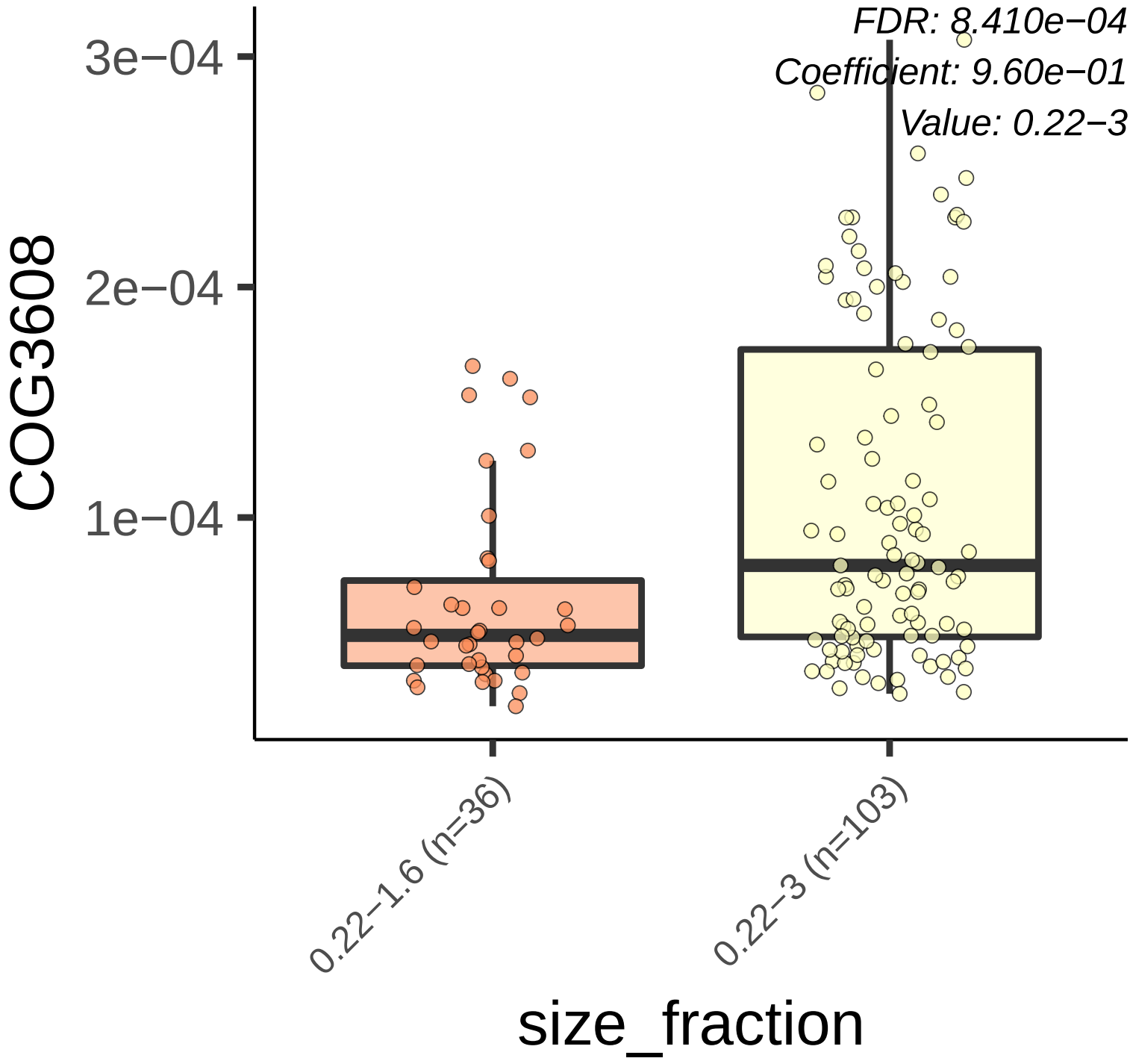

FDR: 7.480e−04
Coefficient: 1.65e+00
Value: 0.22−3
COG1801
8e−05
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

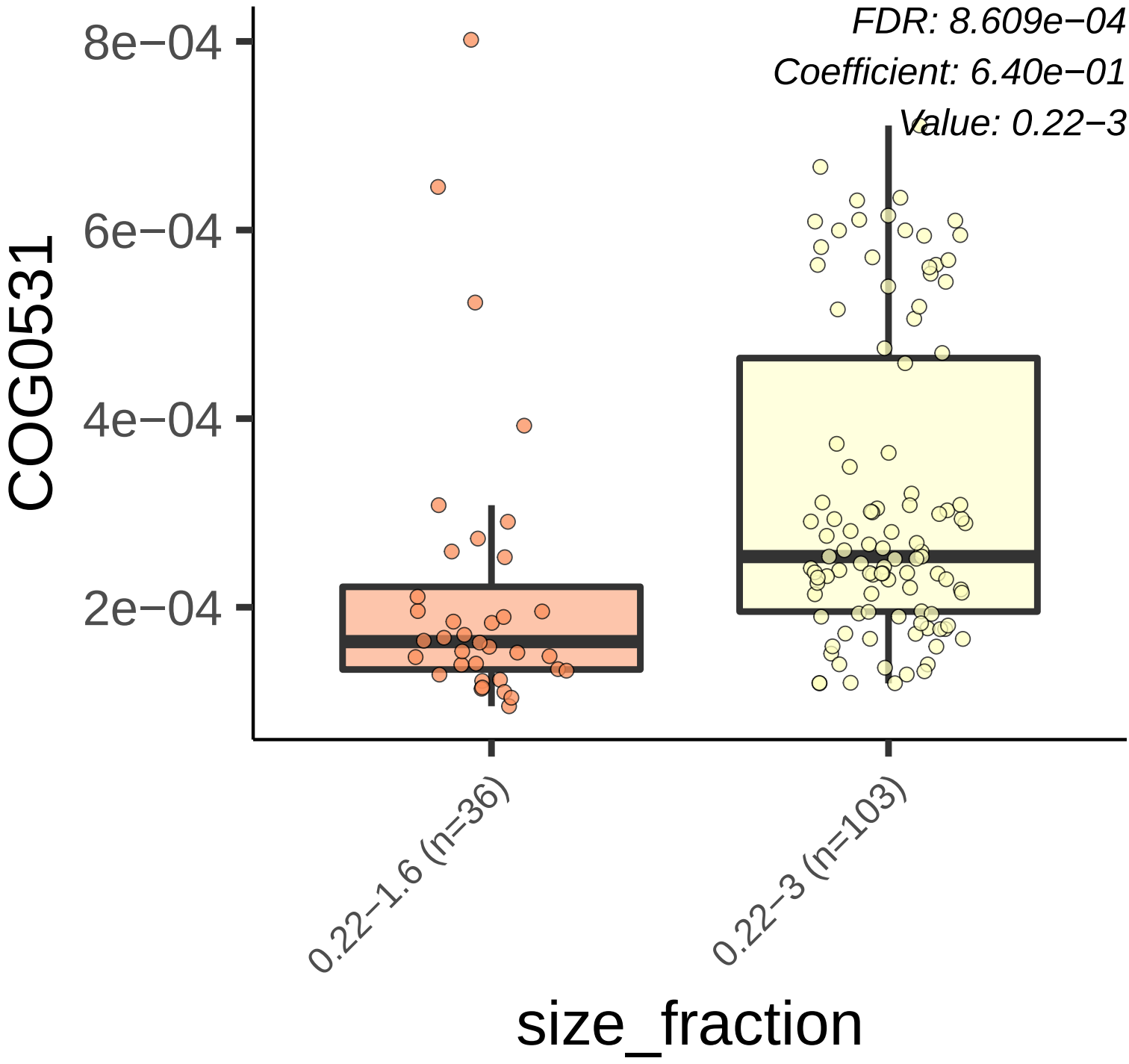

FDR: 7.576e−04
Coefficient: 1.36e+00
Value: 0.22−3
COG2013
7.5e−05
5.0e−05
2.5e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

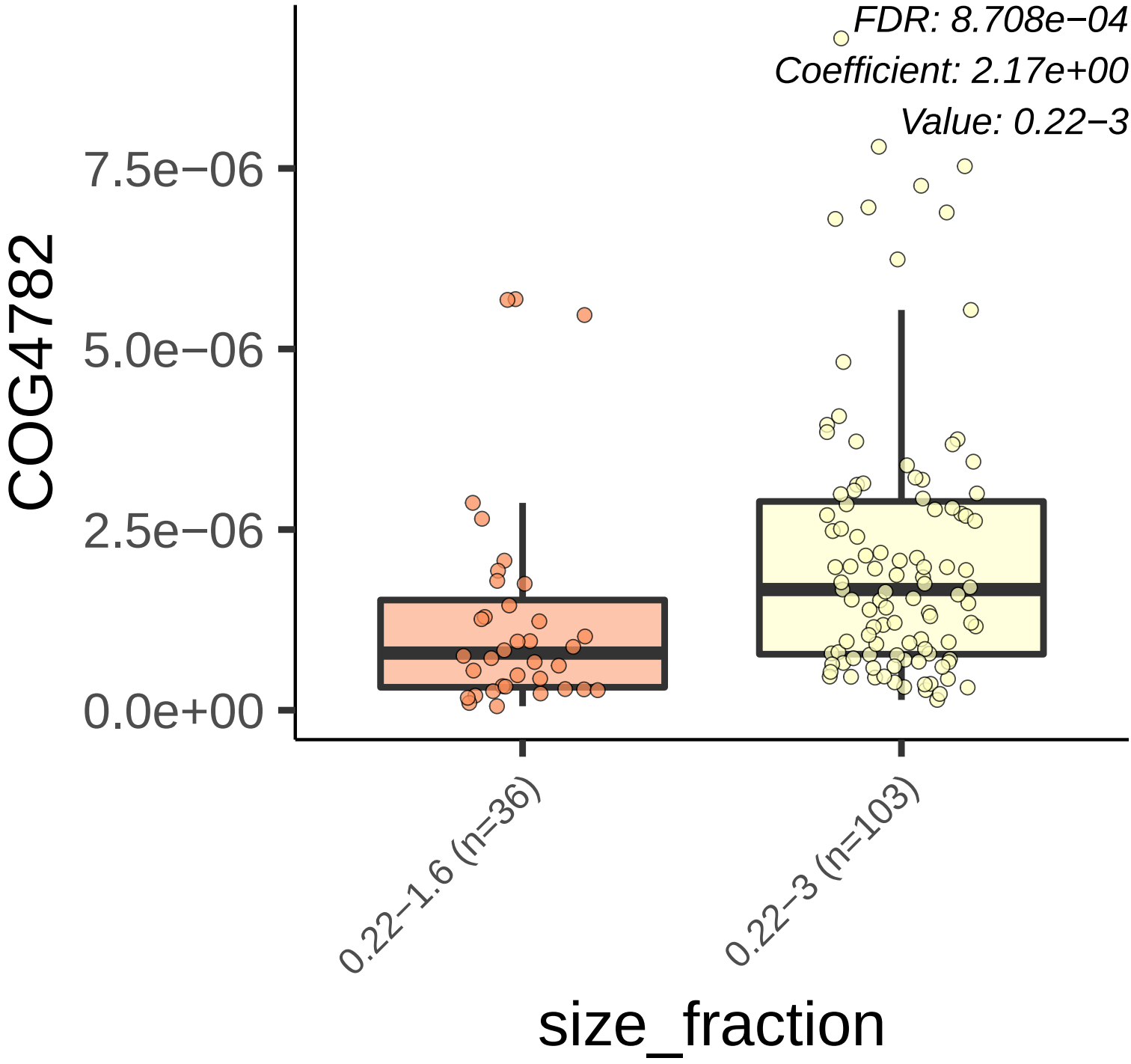

FDR: 7.957e−04
Coefficient: 6.74e−01
Value: 0.22−3
COG2244
5e−04
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

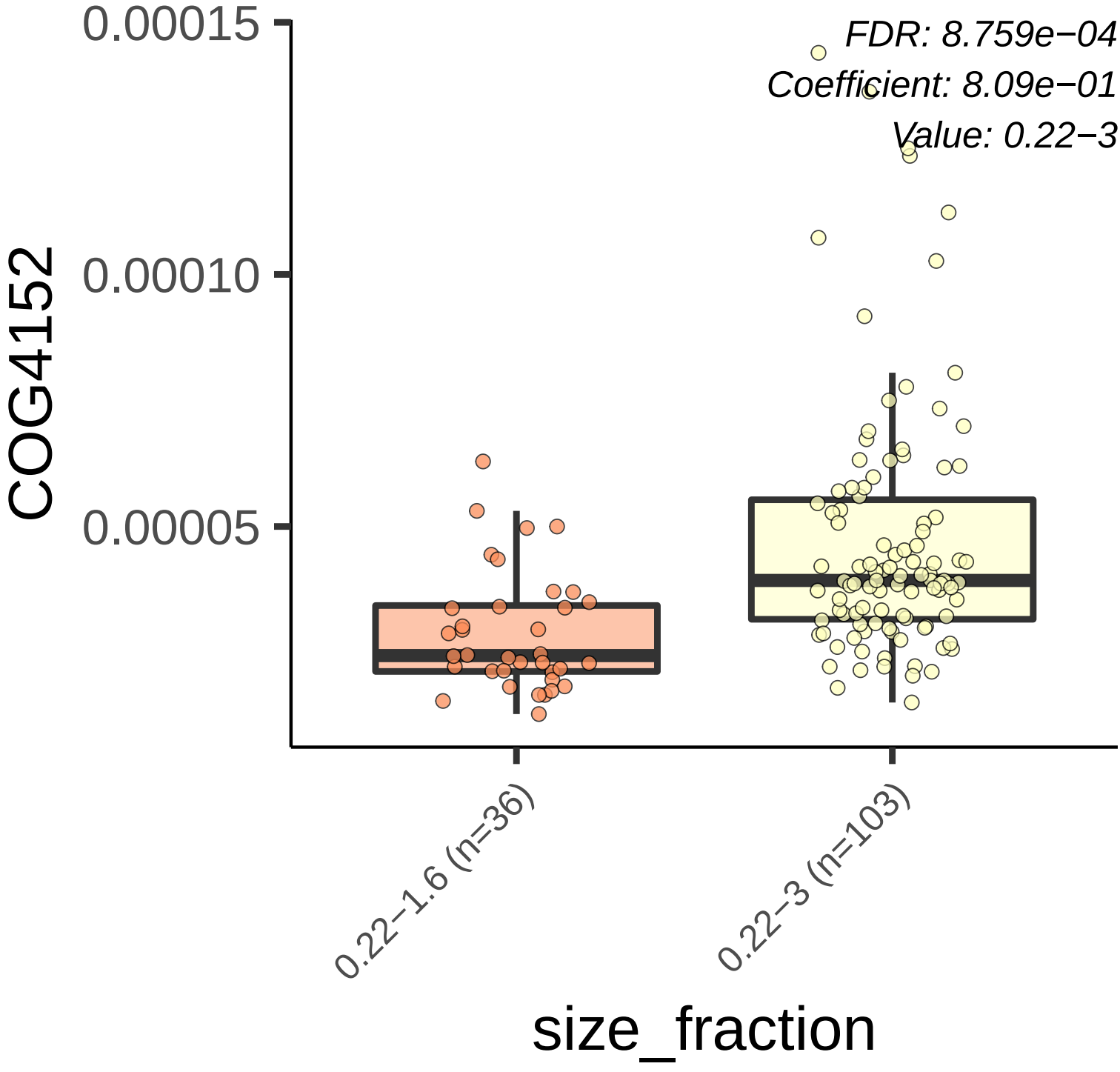

FDR: 7.958e−04
Coefficient: 6.06e−01
Value: 0.22−3
COG1446
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

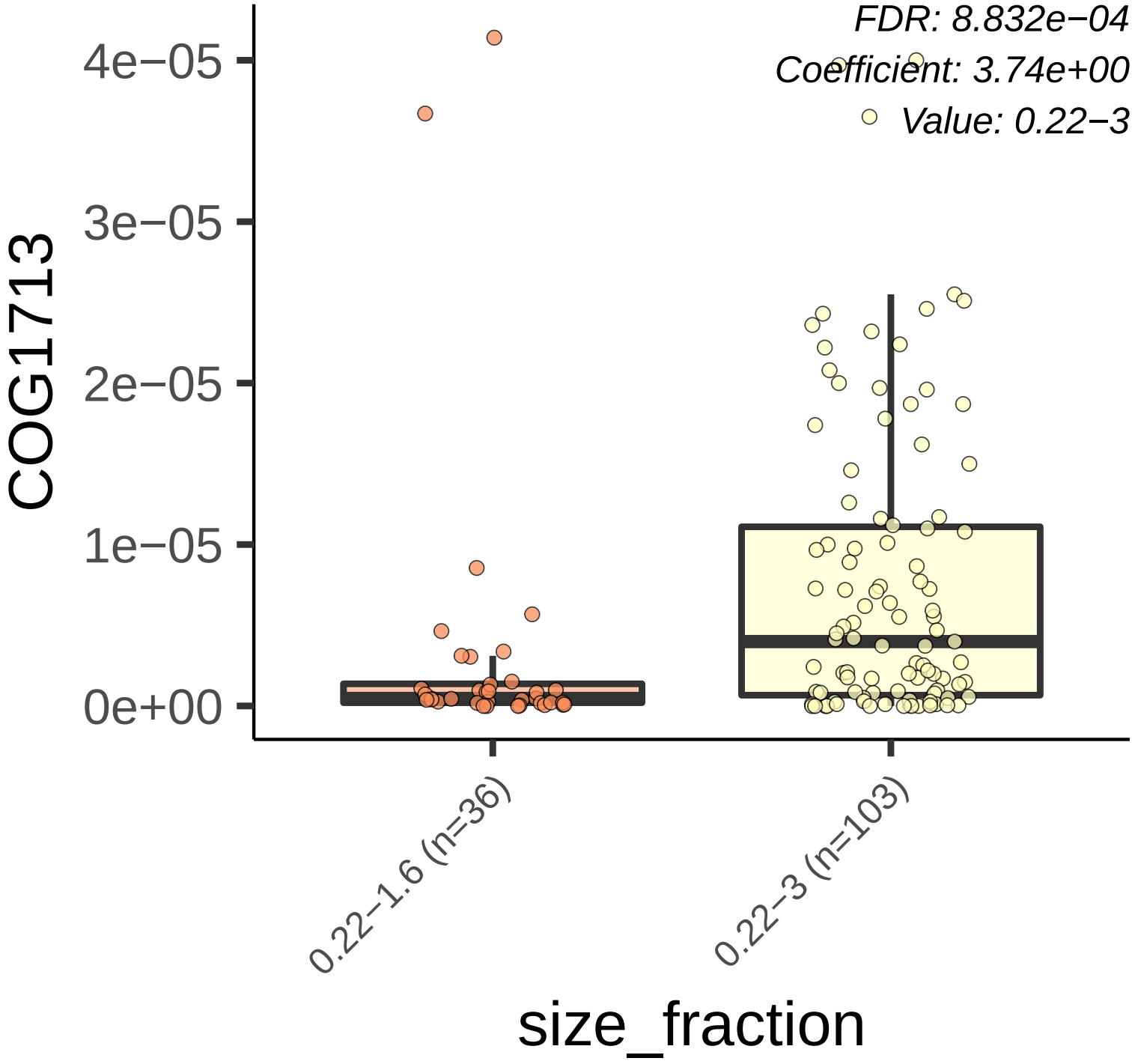

FDR: 8.043e−04
Coefficient: 2.64e+00
Value: 0.22−3
COG3083
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

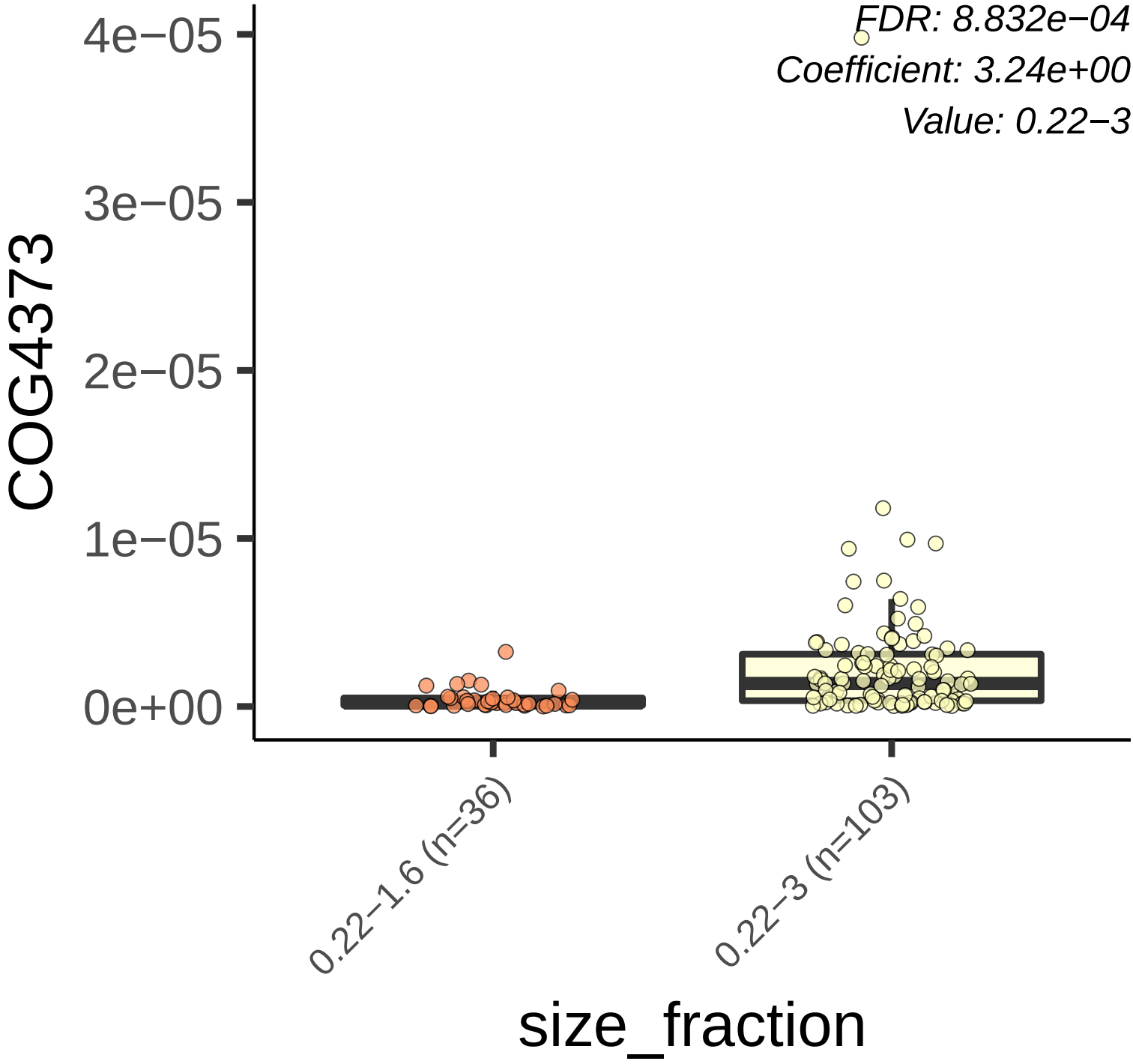

FDR: 8.410e−04
Coefficient: 9.60e−01
Value: 0.22−3
3e−04
2e−04
1e−04
COG3608
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

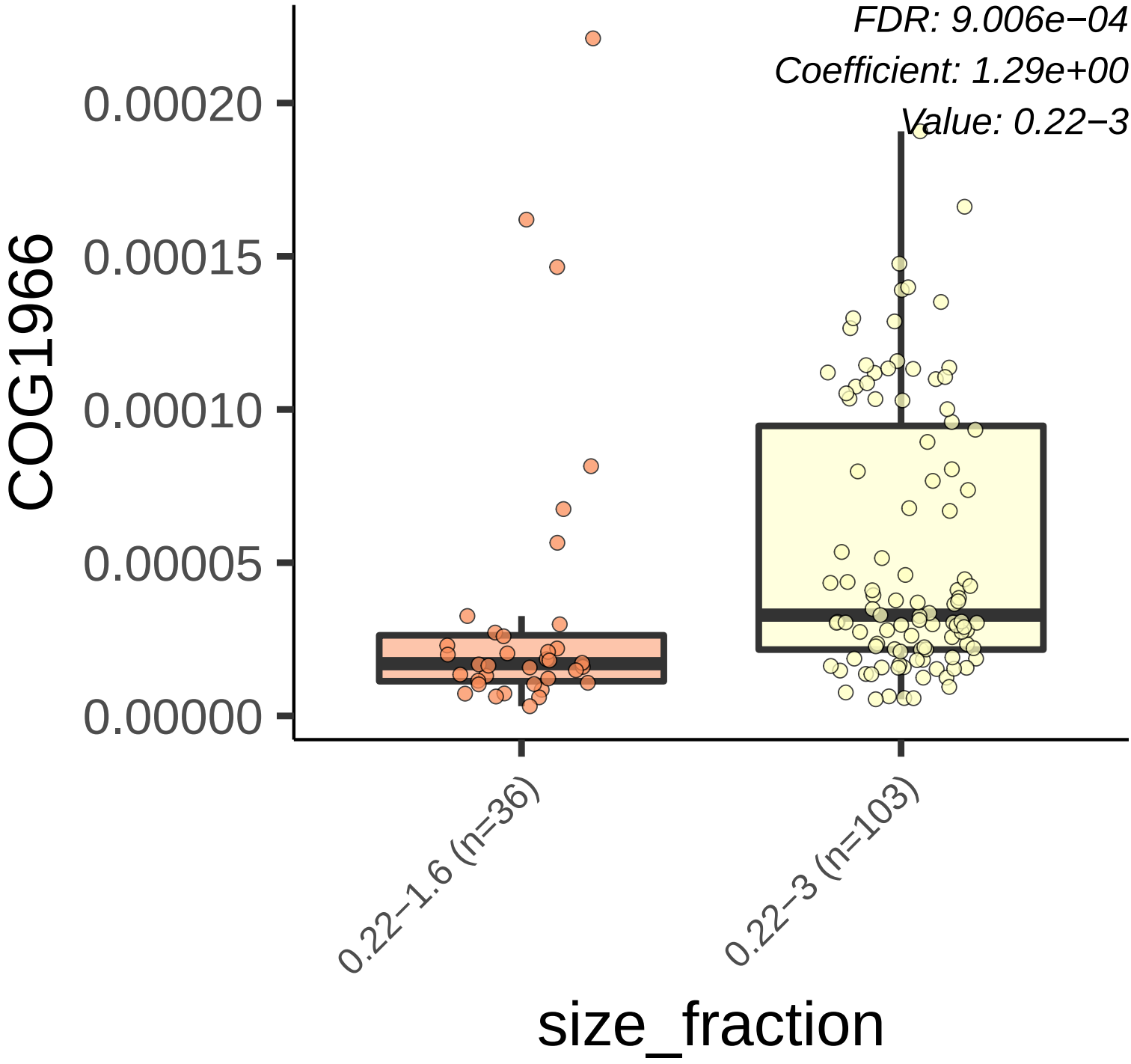

FDR: 8.609e−04
Coefficient: 6.40e−01
Value: 0.22−3
8e−04
6e−04
4e−04
2e−04
COG0531
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

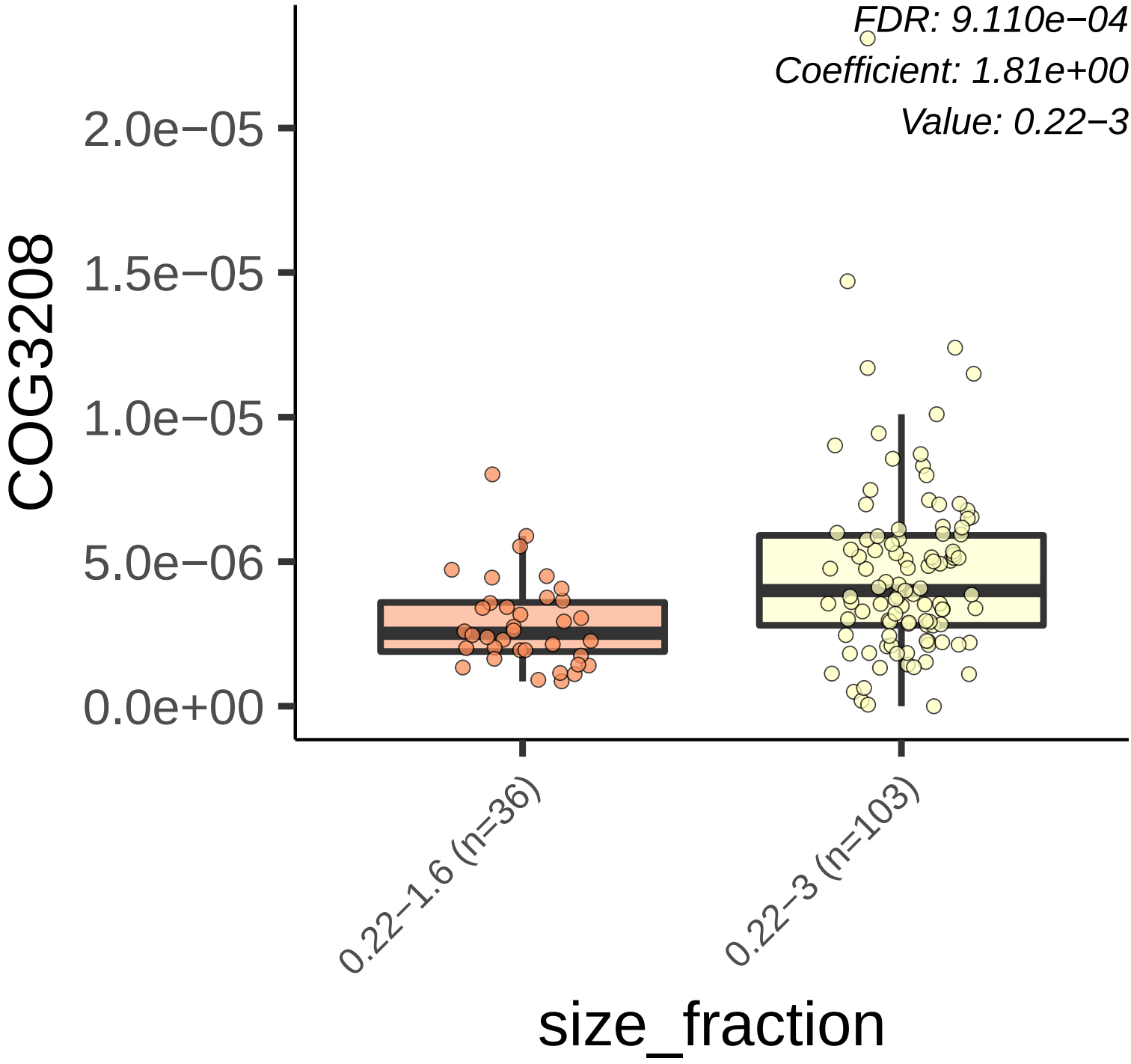

FDR: 8.708e−04
Coefficient: 2.17e+00
Value: 0.22−3
COG4782
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

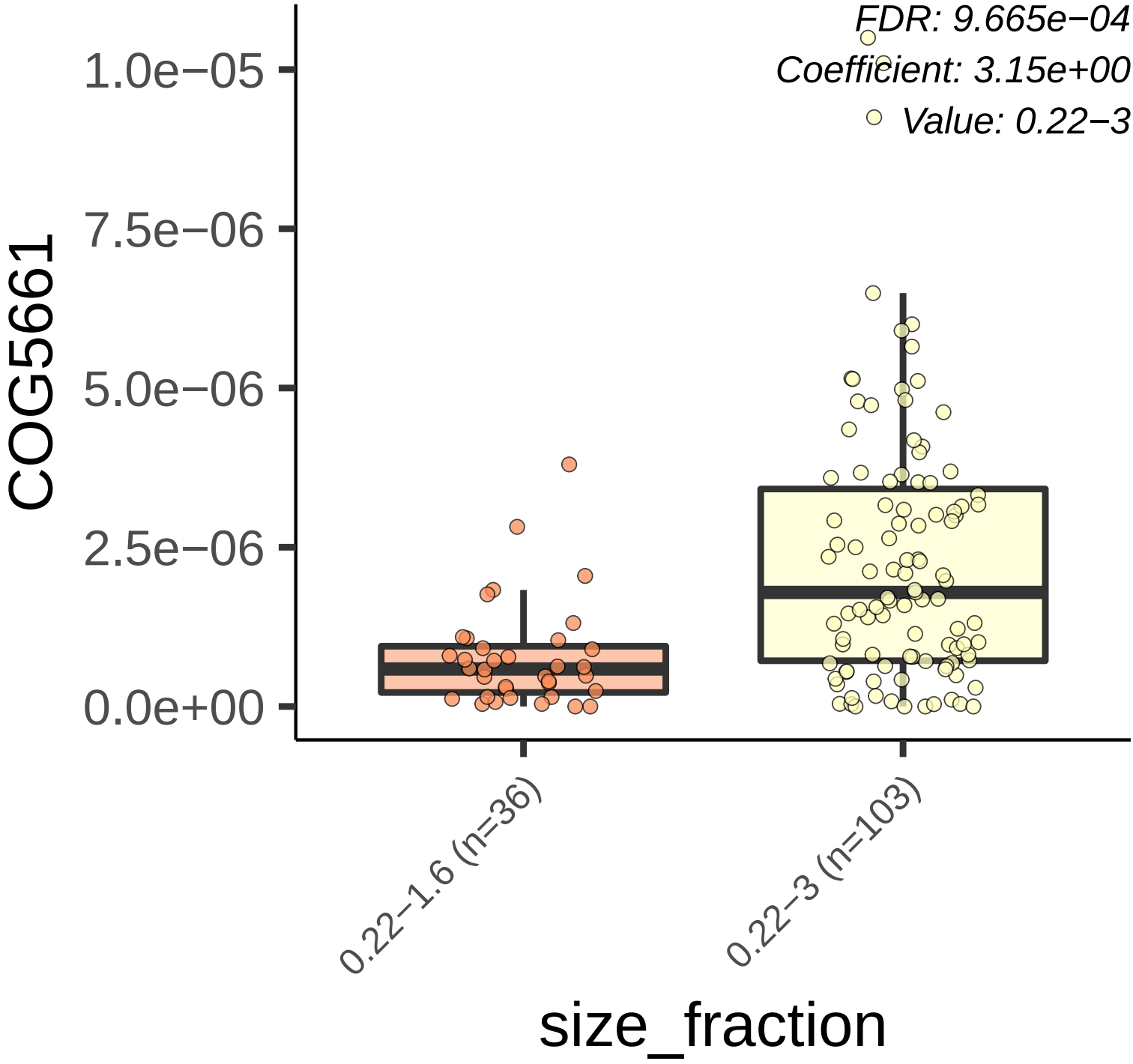

FDR: 8.759e−04
Coefficient: 8.09e−01
Value: 0.22−3
COG4152
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

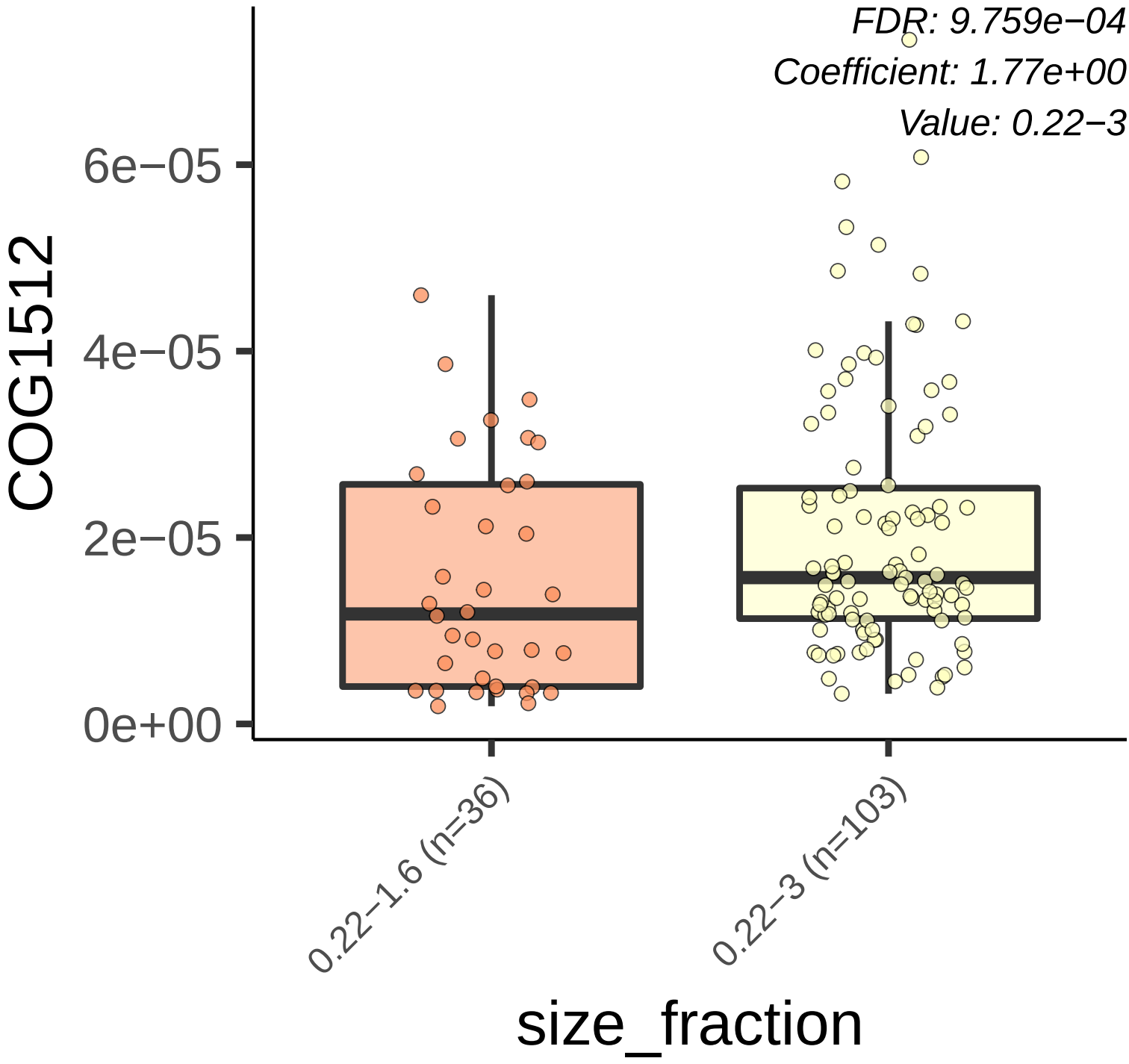

FDR: 8.832e−04
Coefficient: 3.74e+00
Value: 0.22−3
COG1713
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

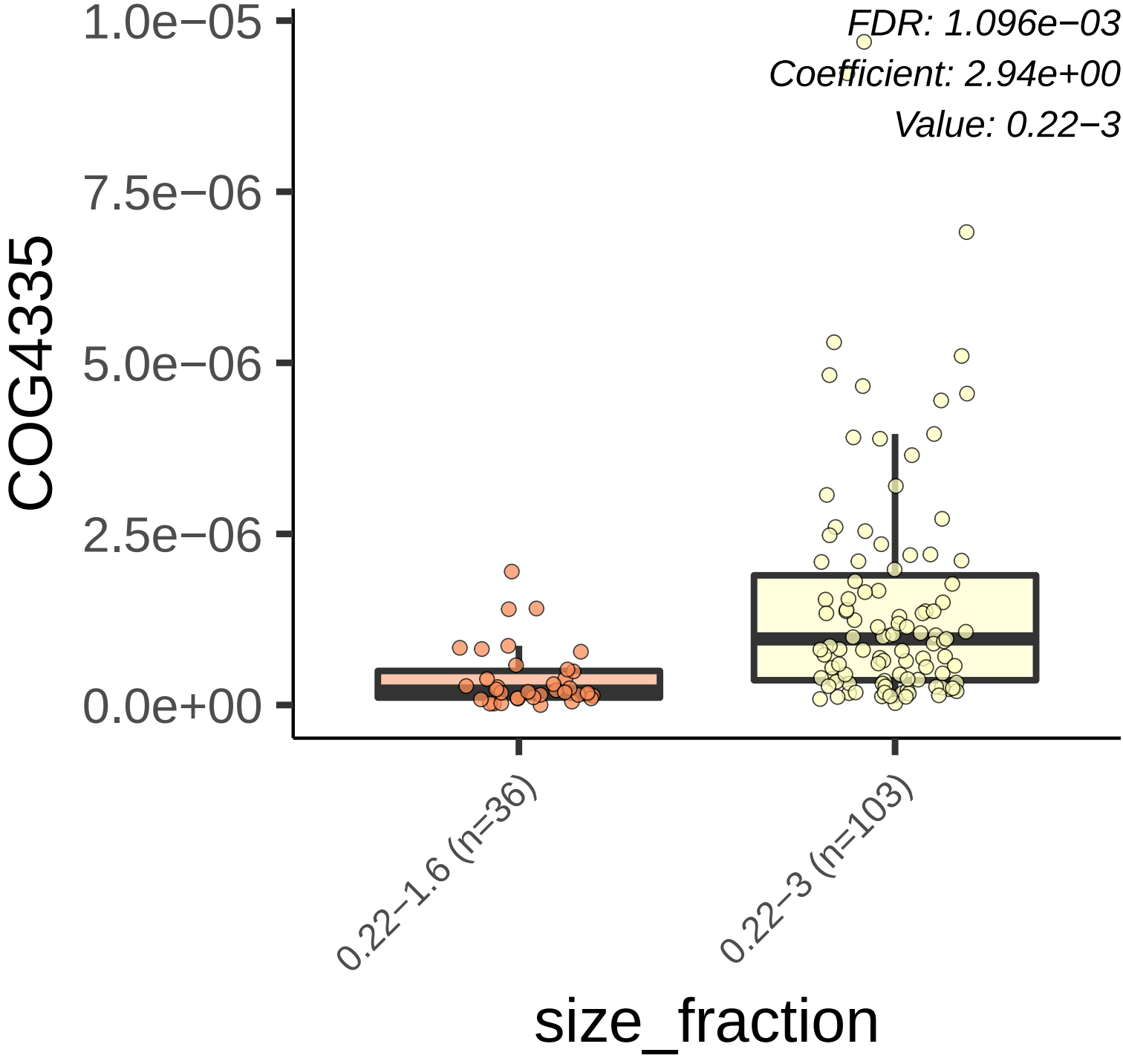

FDR: 8.832e−04
Coefficient: 3.24e+00
Value: 0.22−3
COG4373
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

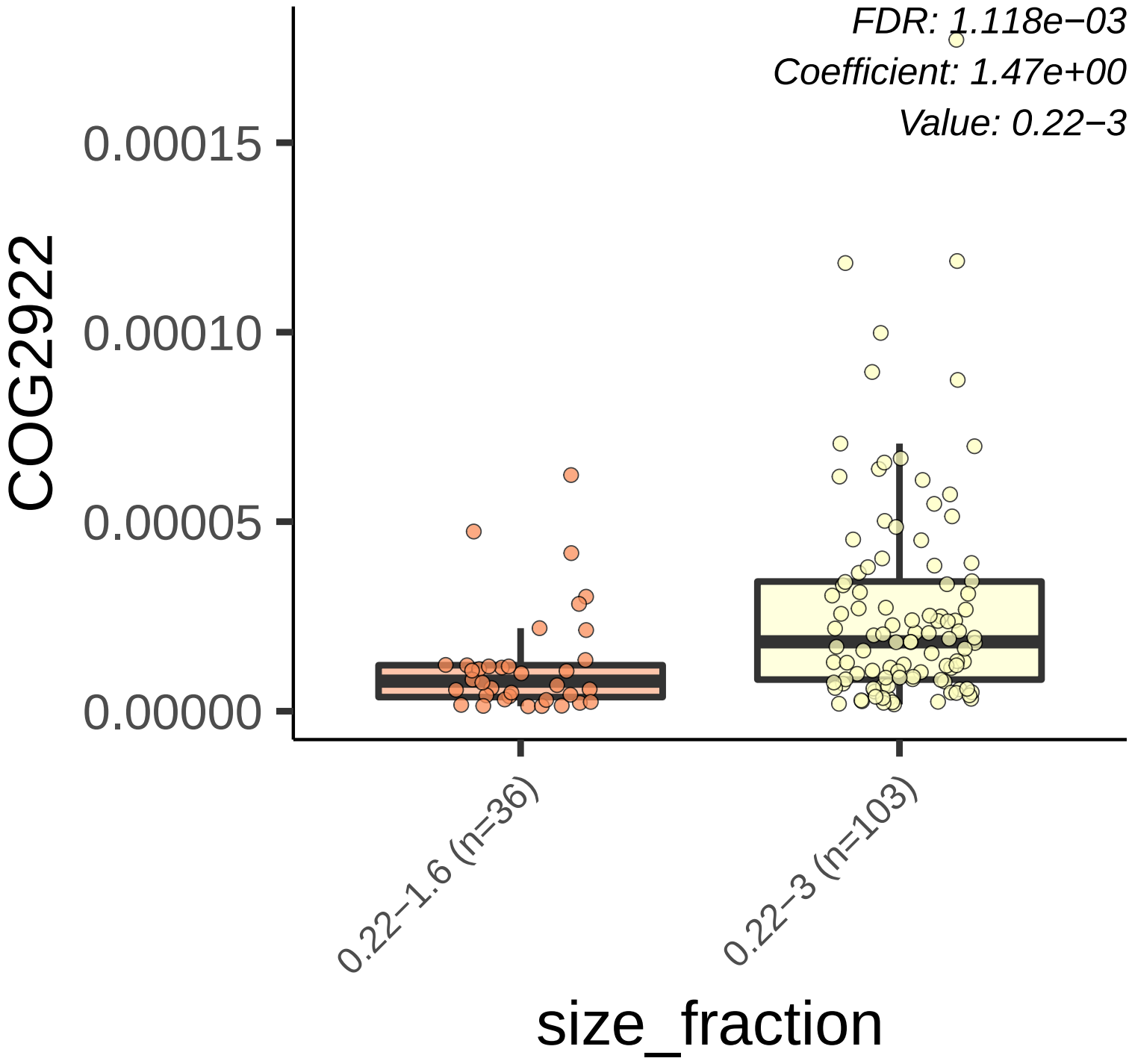

FDR: 9.006e−04
Coefficient: 1.29e+00
Value: 0.22−3
COG1966
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

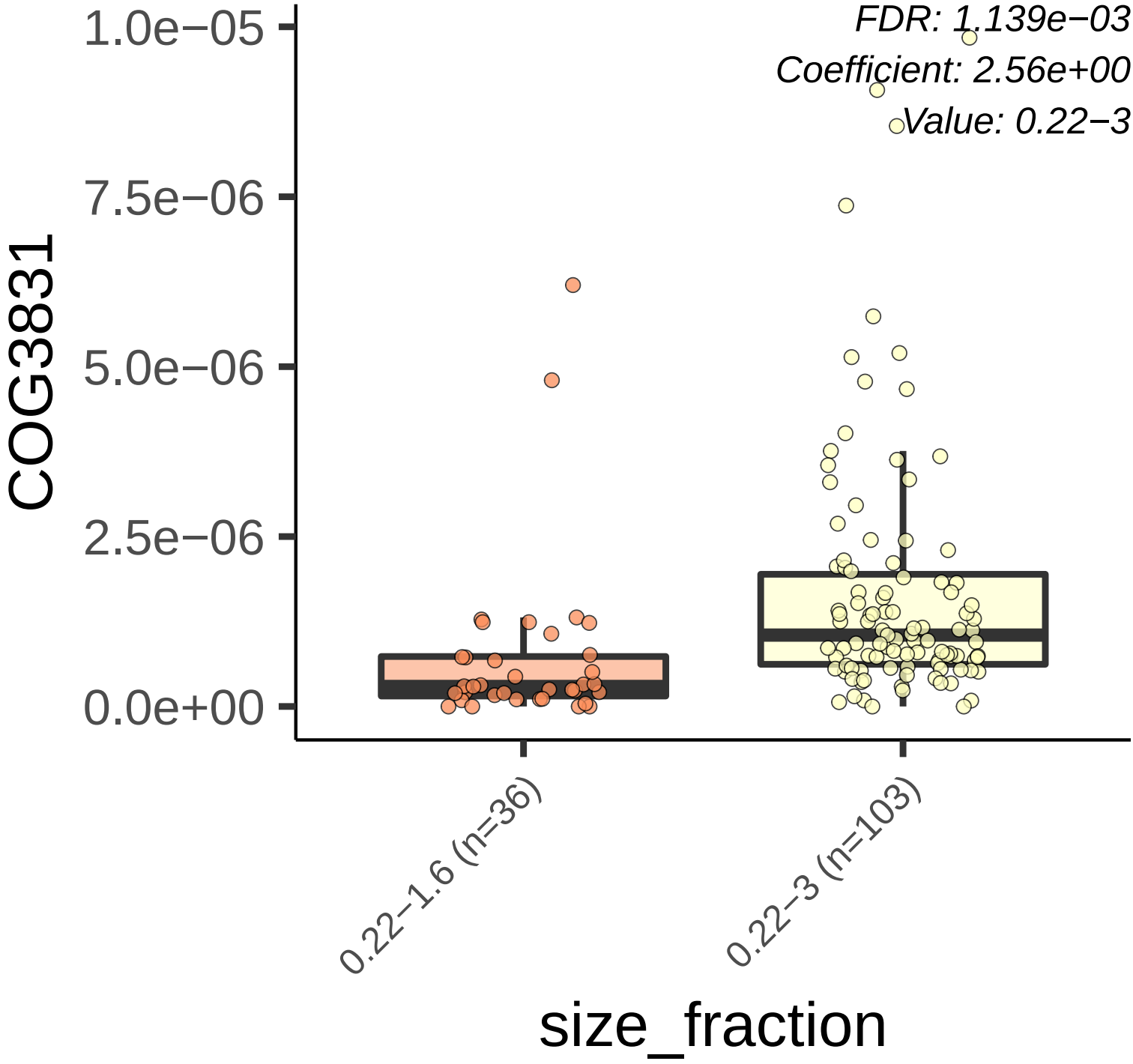

FDR: 9.110e−04
Coefficient: 1.81e+00
Value: 0.22−3
COG3208
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

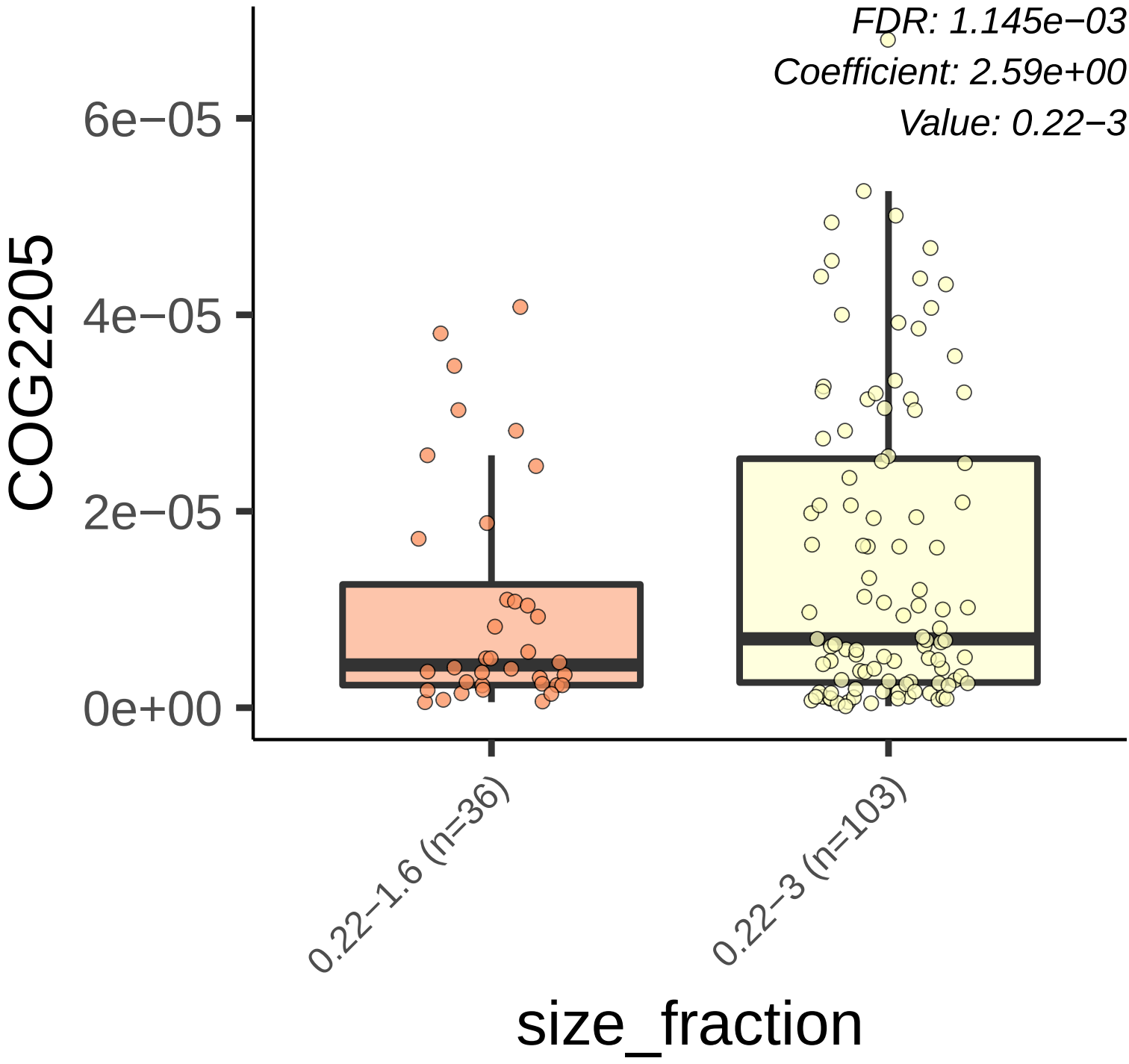

FDR: 9.665e−04
Coefficient: 3.15e+00
Value: 0.22−3
COG5661
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

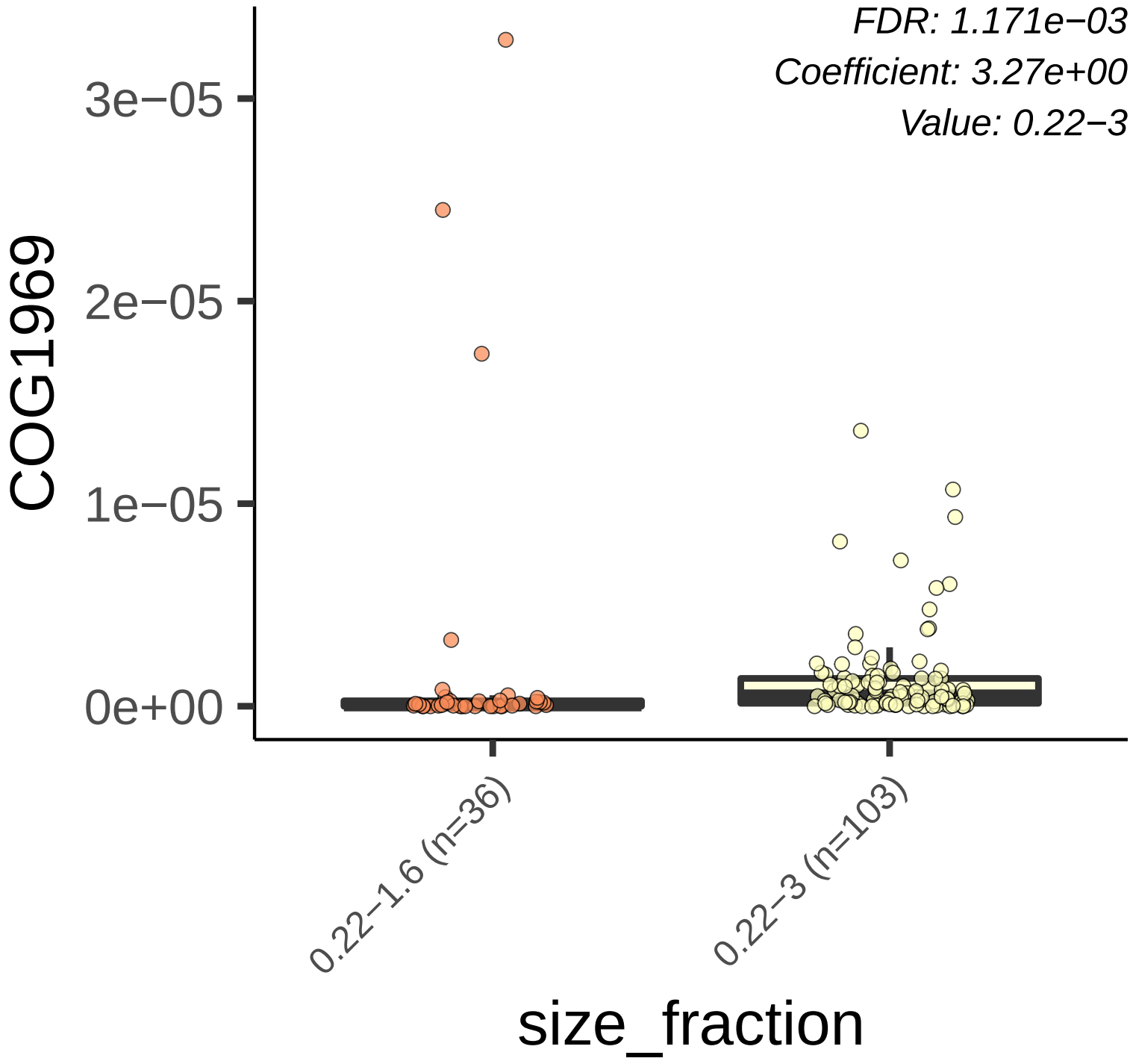

FDR: 9.759e−04
Coefficient: 1.77e+00
Value: 0.22−3
COG1512
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

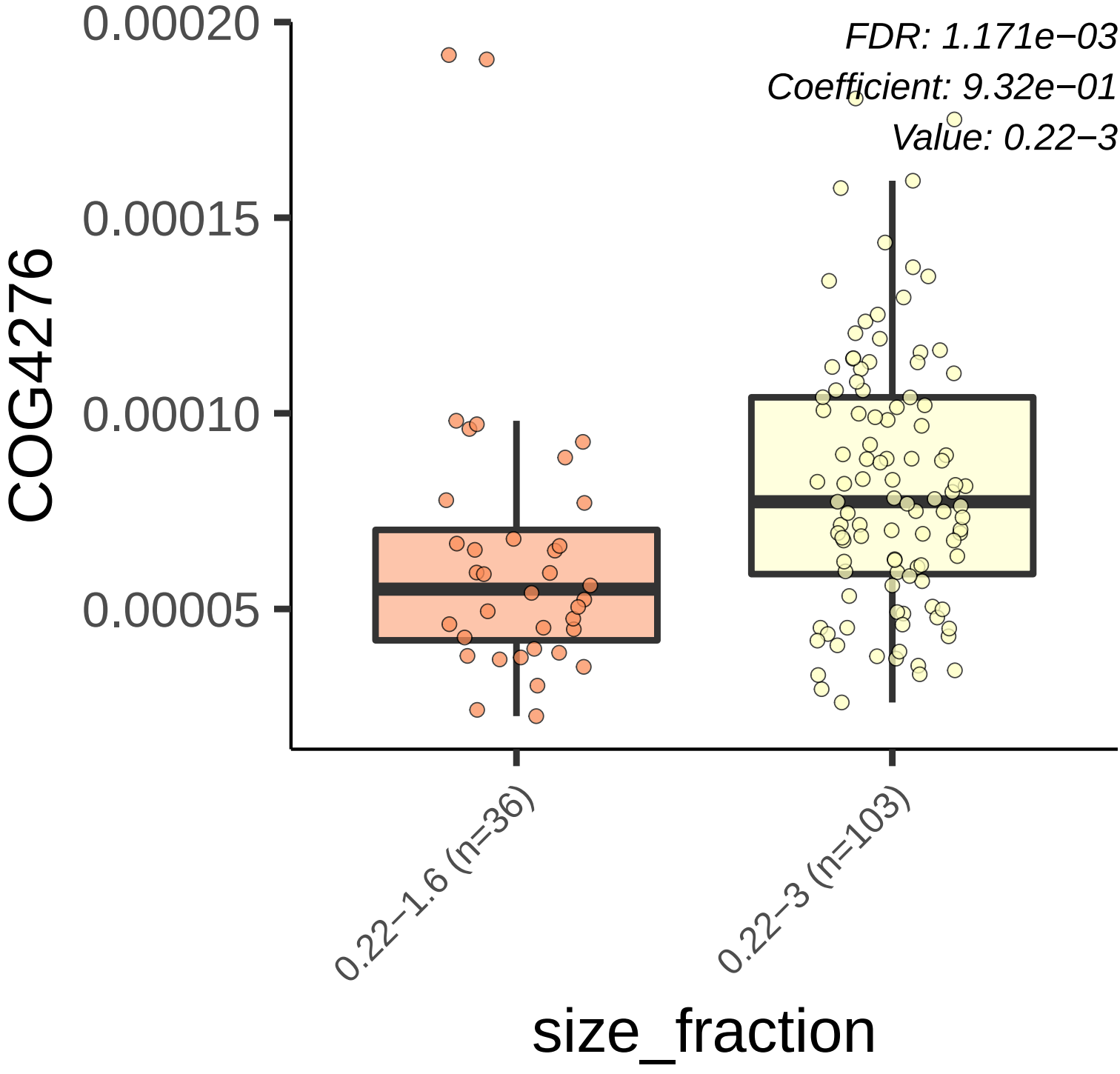

FDR: 1.096e−03
Coefficient: 2.94e+00
Value: 0.22−3
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
COG4335
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

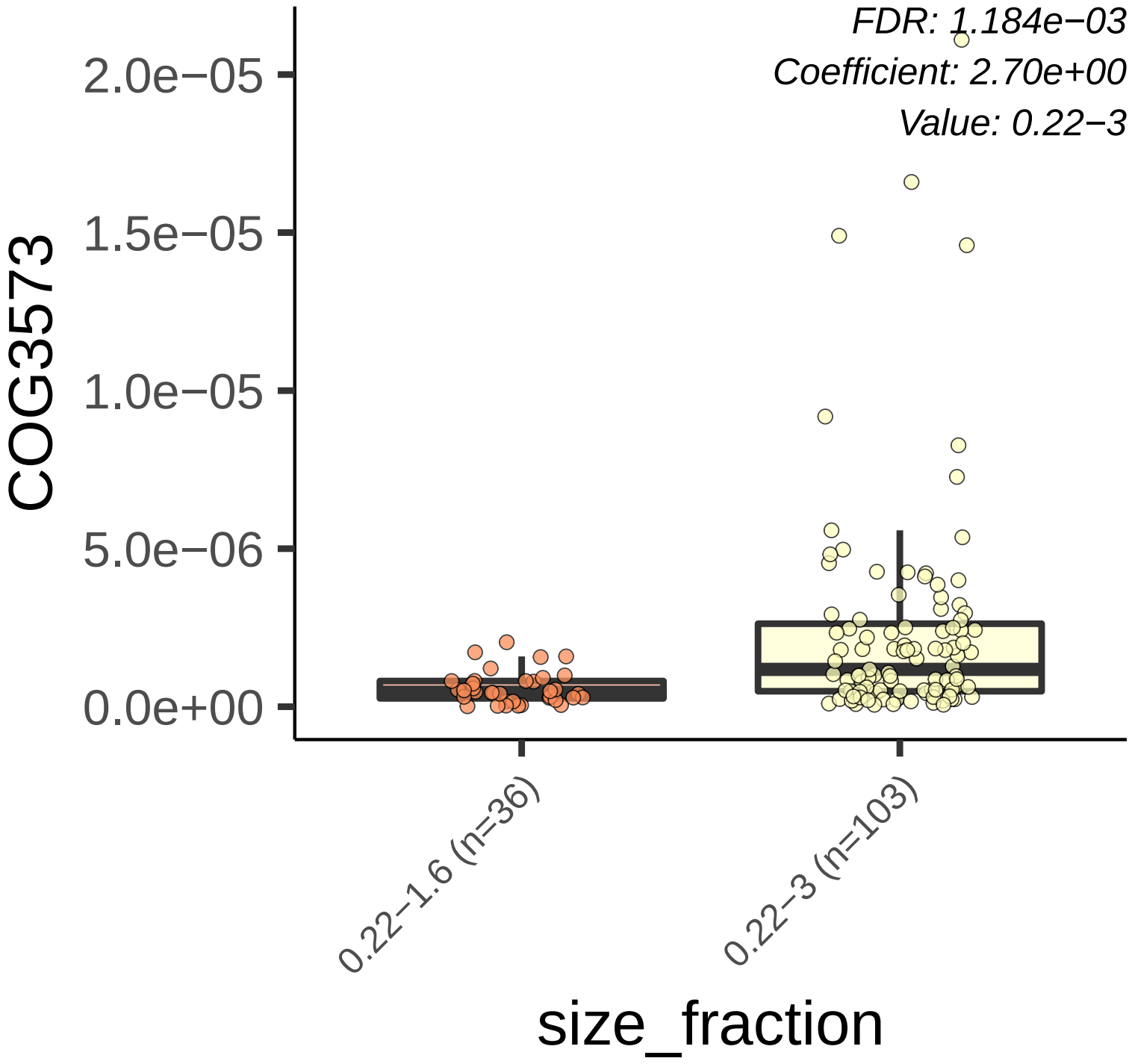

FDR: 1.118e−03
Coefficient: 1.47e+00
Value: 0.22−3
COG2922
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

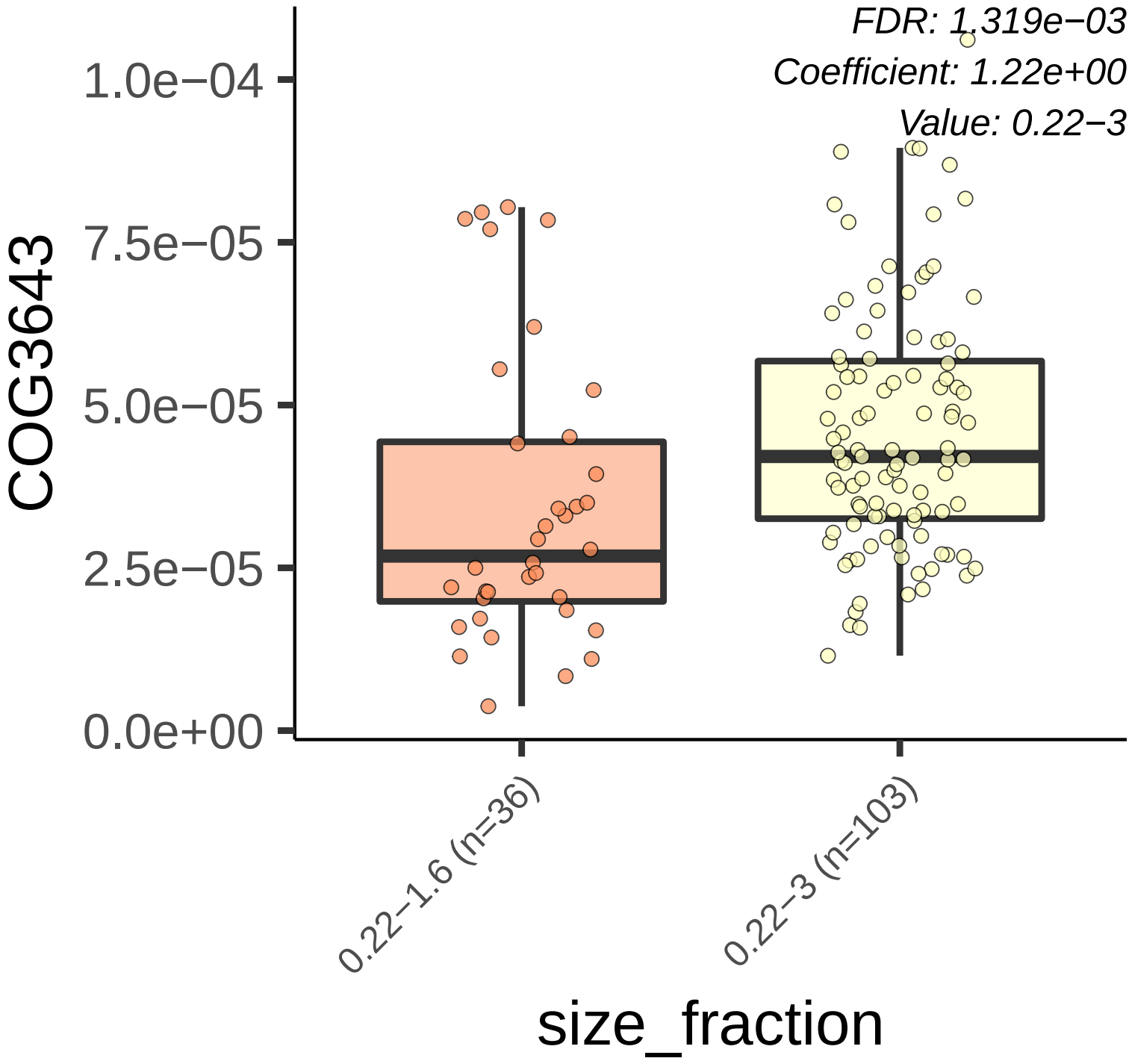

FDR: 1.139e−03
Coefficient: 2.56e+00
Value: 0.22−3
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
COG3831
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

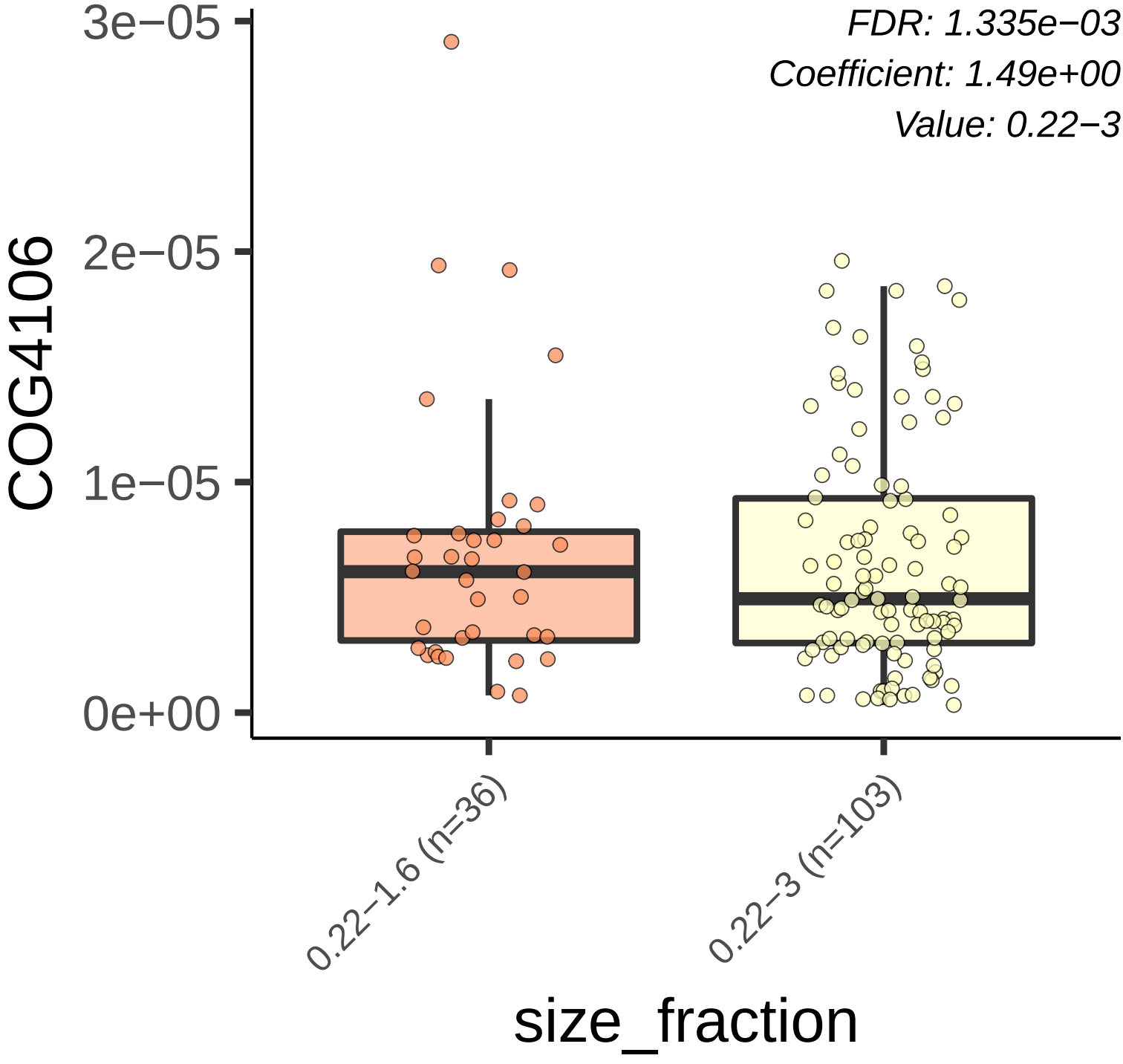

FDR: 1.145e−03
Coefficient: 2.59e+00
Value: 0.22−3
COG2205
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

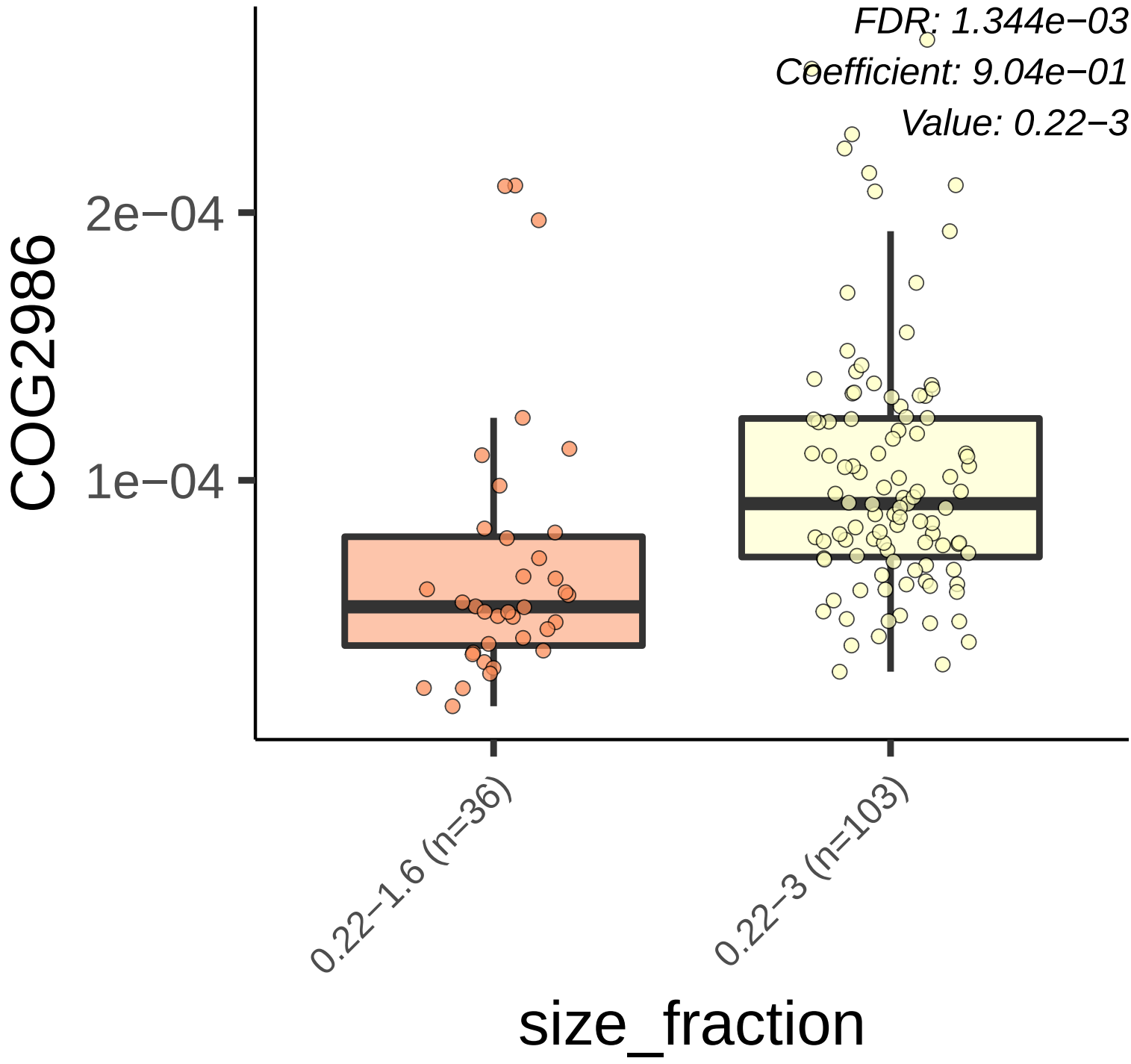

FDR: 1.171e−03
Coefficient: 3.27e+00
Value: 0.22−3
COG1969
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

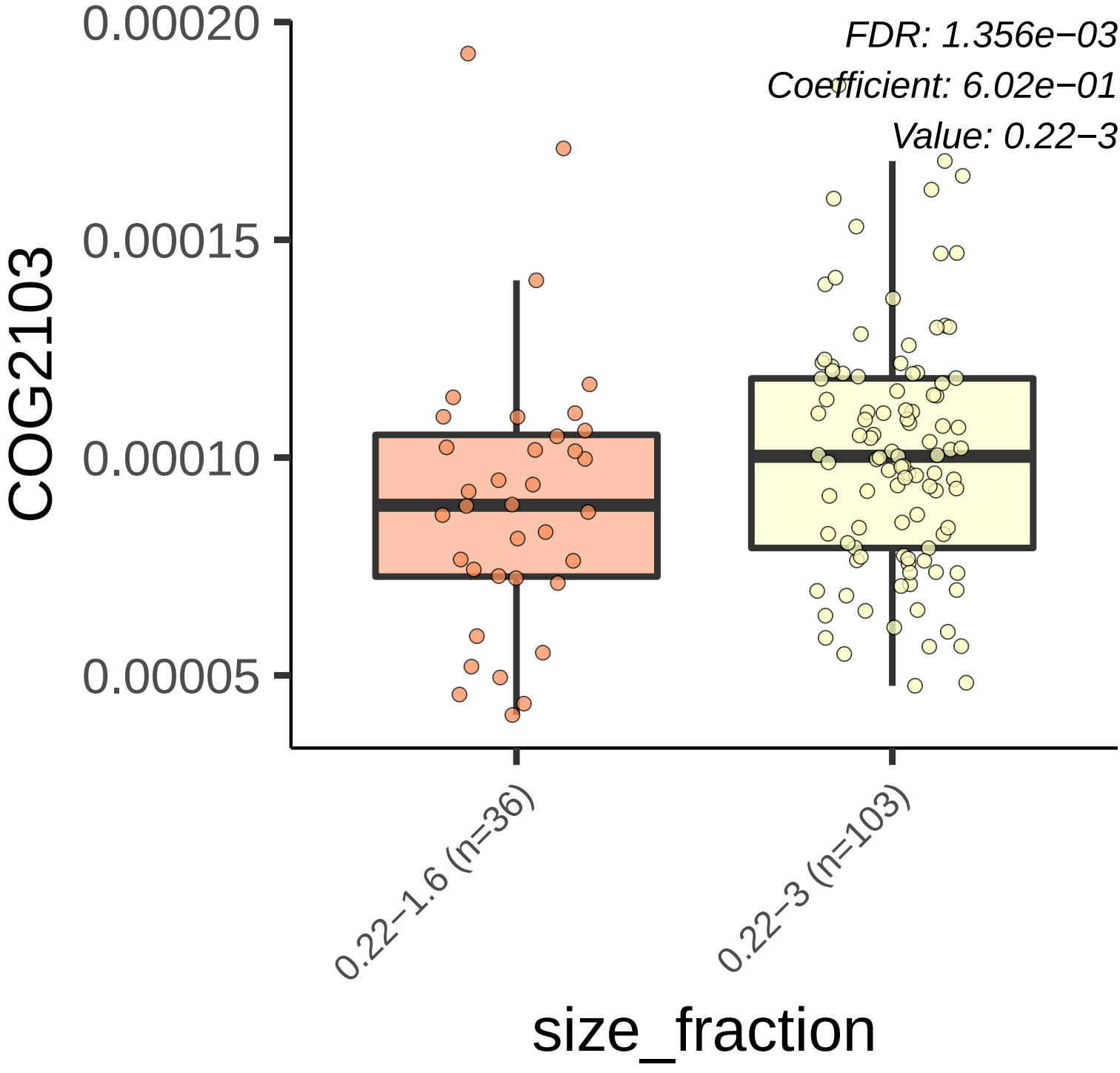

FDR: 1.171e−03
Coefficient: 9.32e−01
Value: 0.22−3
COG4276
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

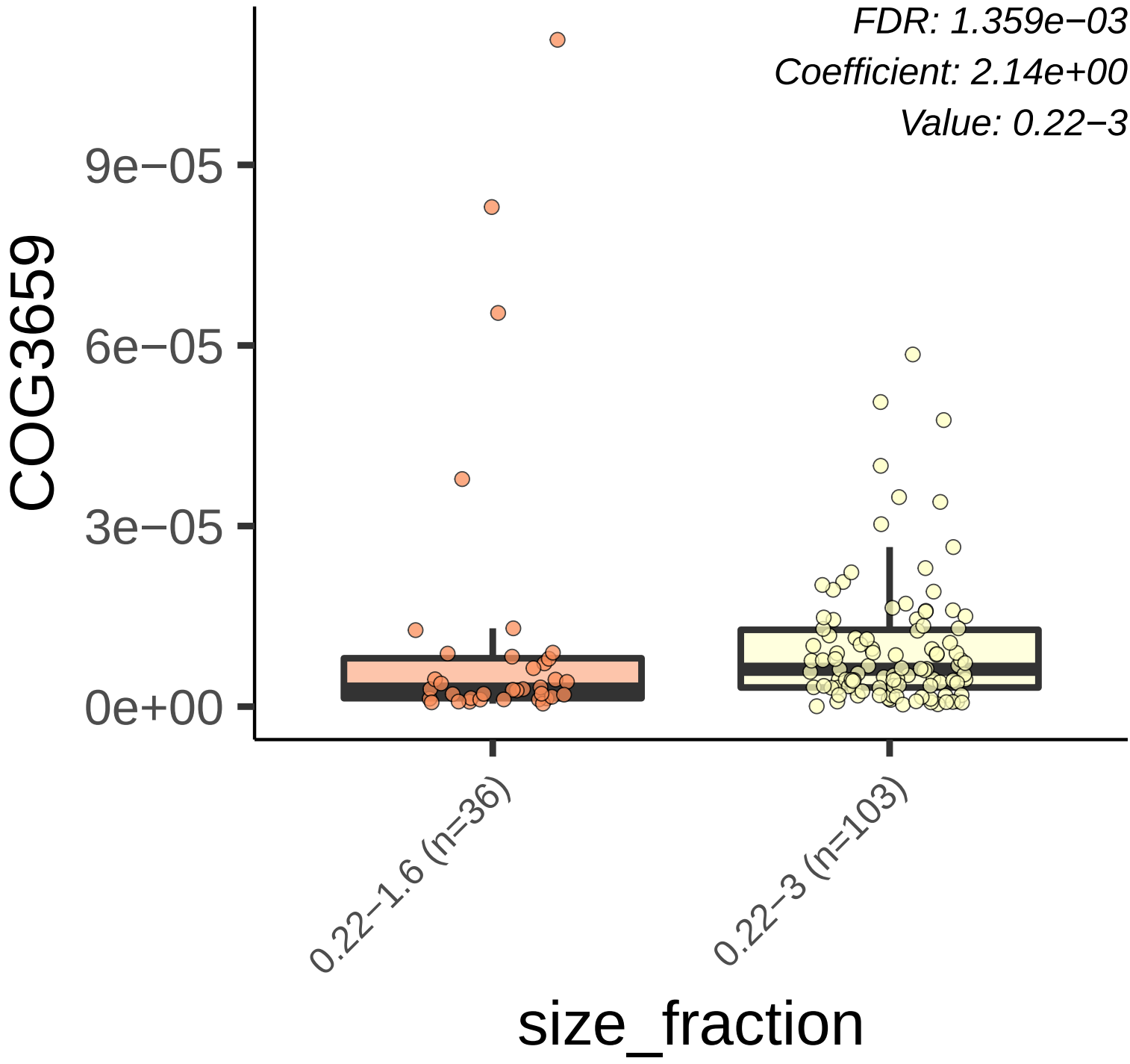

FDR: 1.184e−03
Coefficient: 2.70e+00
Value: 0.22−3
COG3573
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

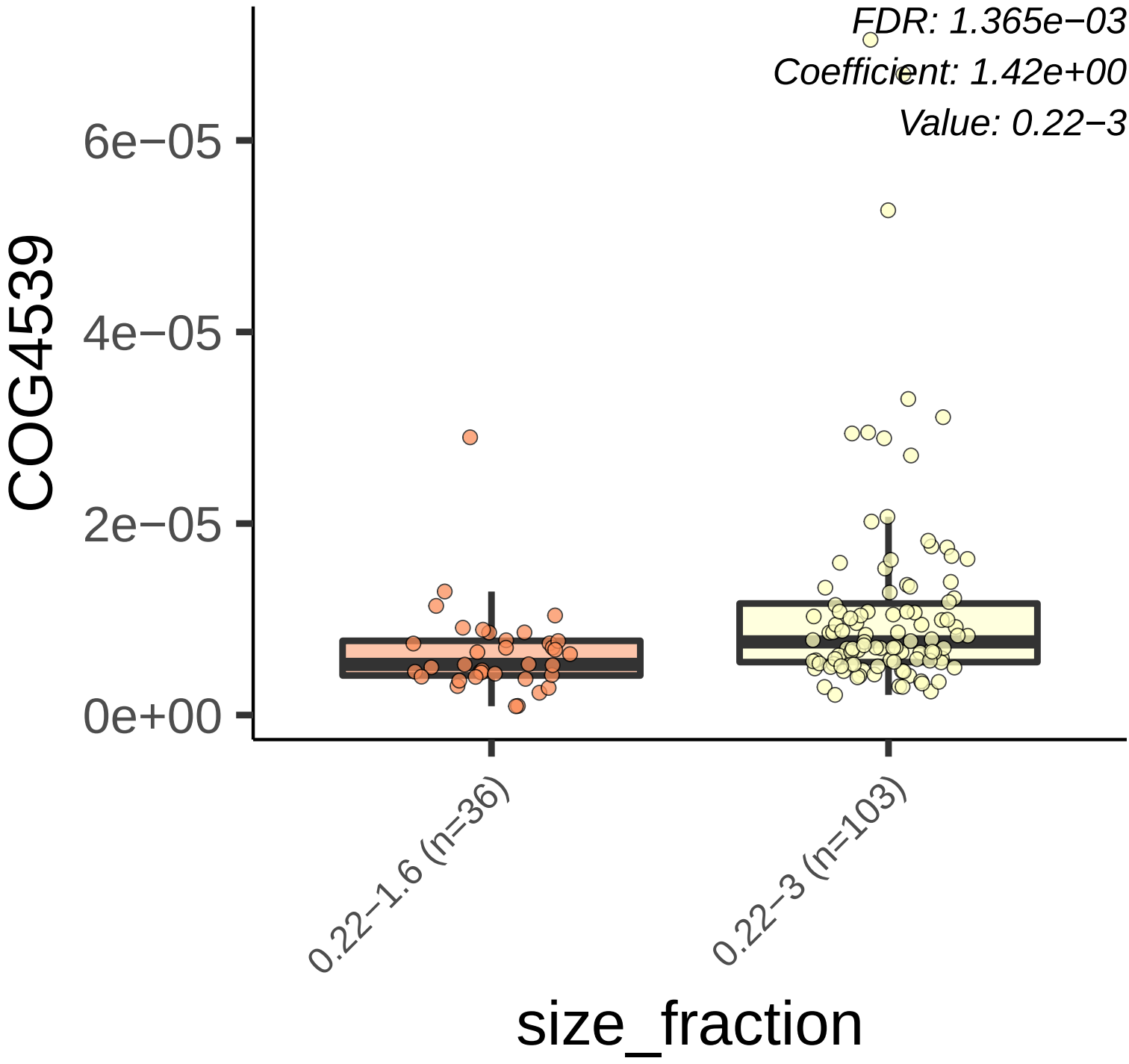

FDR: 1.319e−03
Coefficient: 1.22e+00
Value: 0.22−3
COG3643
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

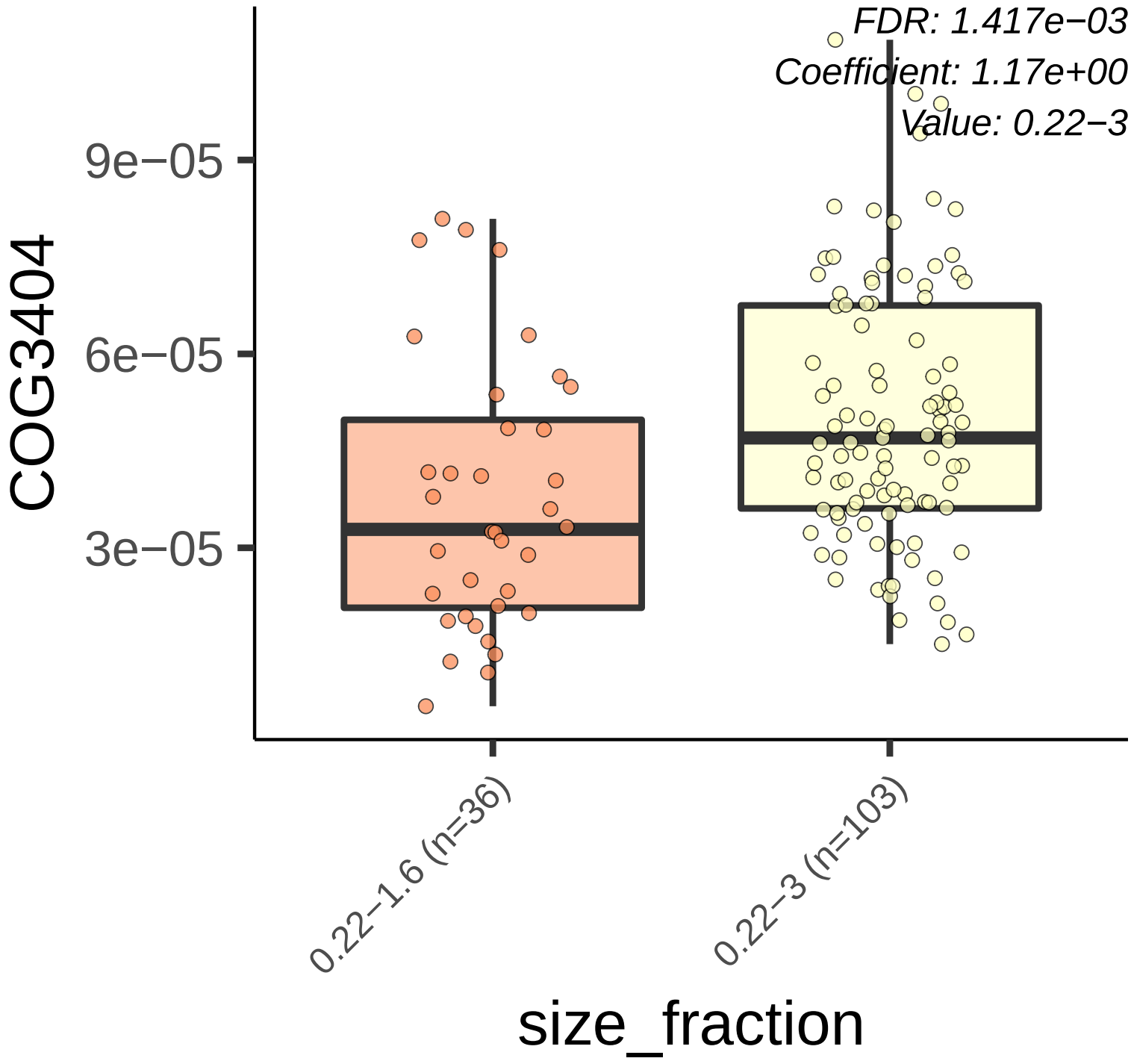

FDR: 1.335e−03
Coefficient: 1.49e+00
Value: 0.22−3
COG4106
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

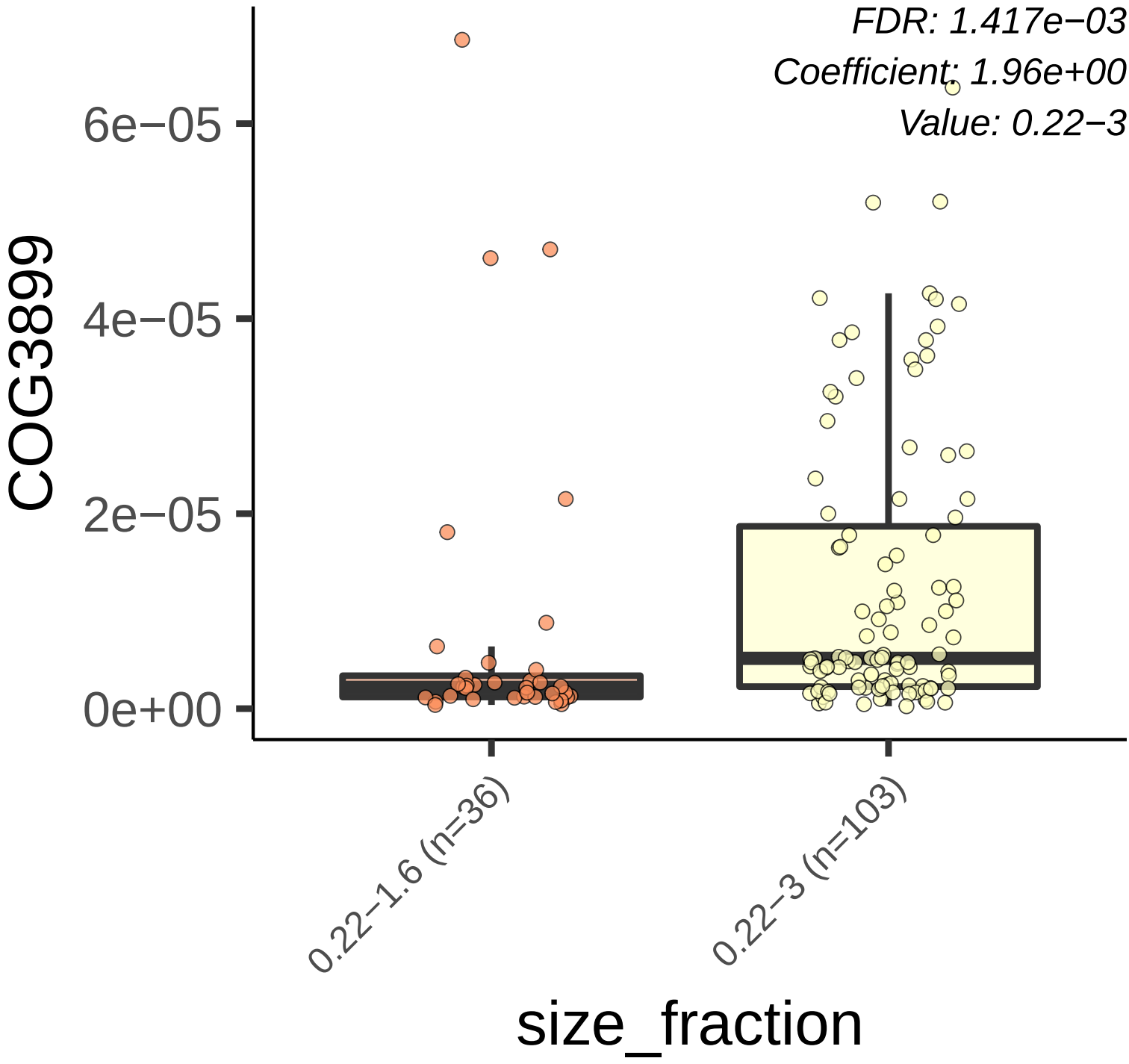

FDR: 1.344e−03
Coefficient: 9.04e−01
Value: 0.22−3
COG2986
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

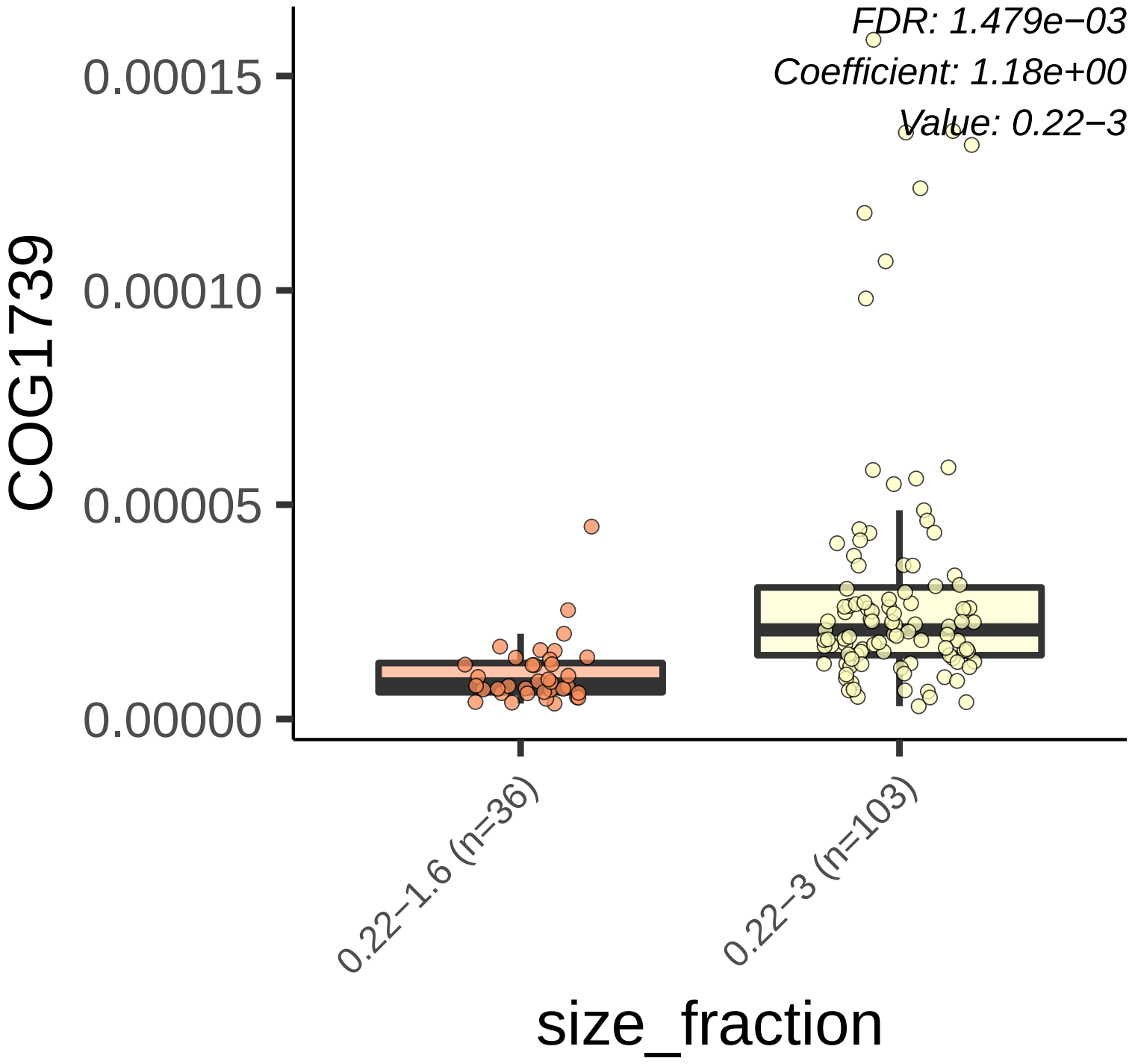

FDR: 1.356e−03
Coefficient: 6.02e−01
Value: 0.22−3
0.00020
0.00015
0.00010
0.00005
COG2103
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

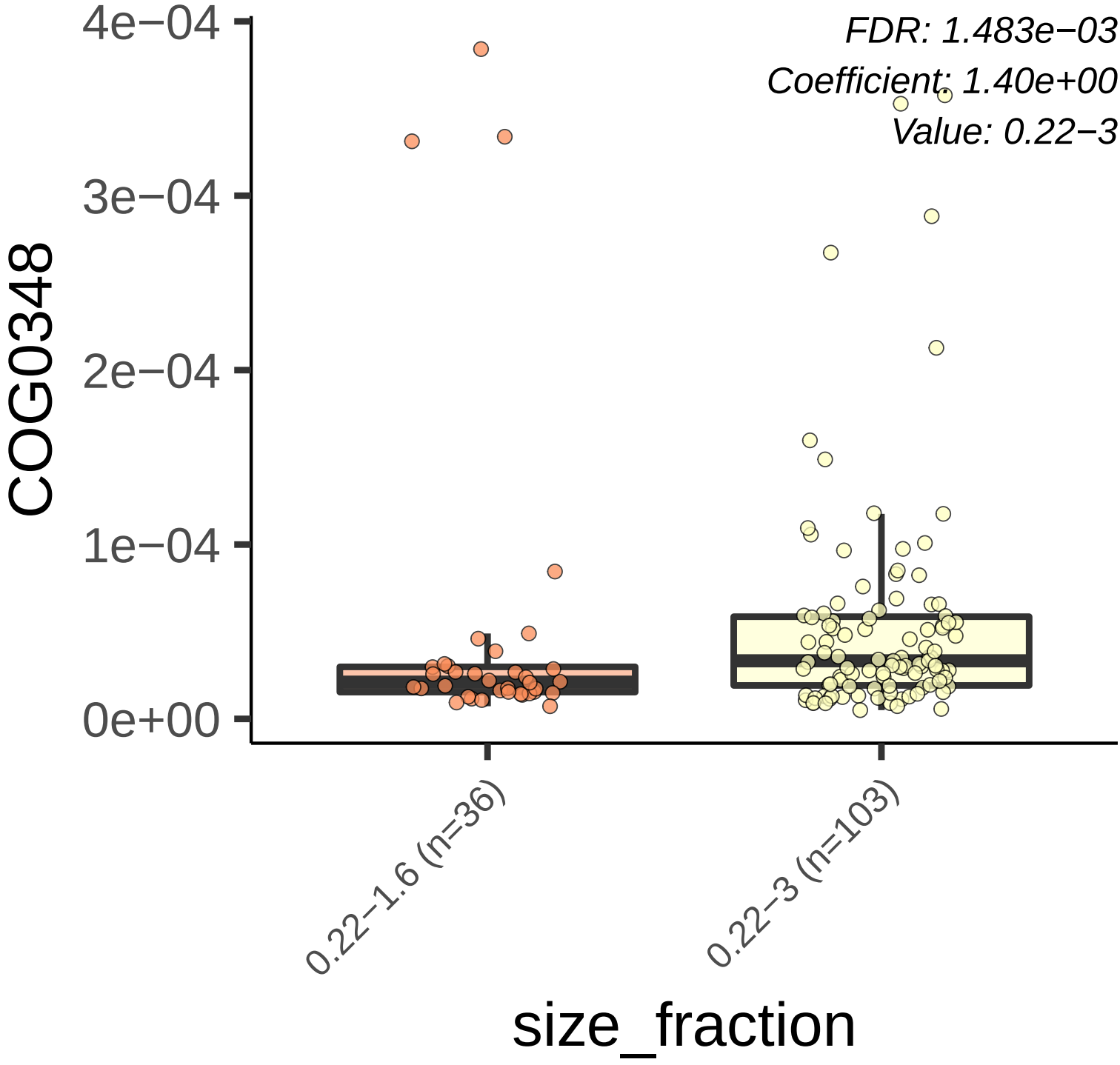

FDR: 1.359e−03
Coefficient: 2.14e+00
Value: 0.22−3
COG3659
9e−05
6e−05
3e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

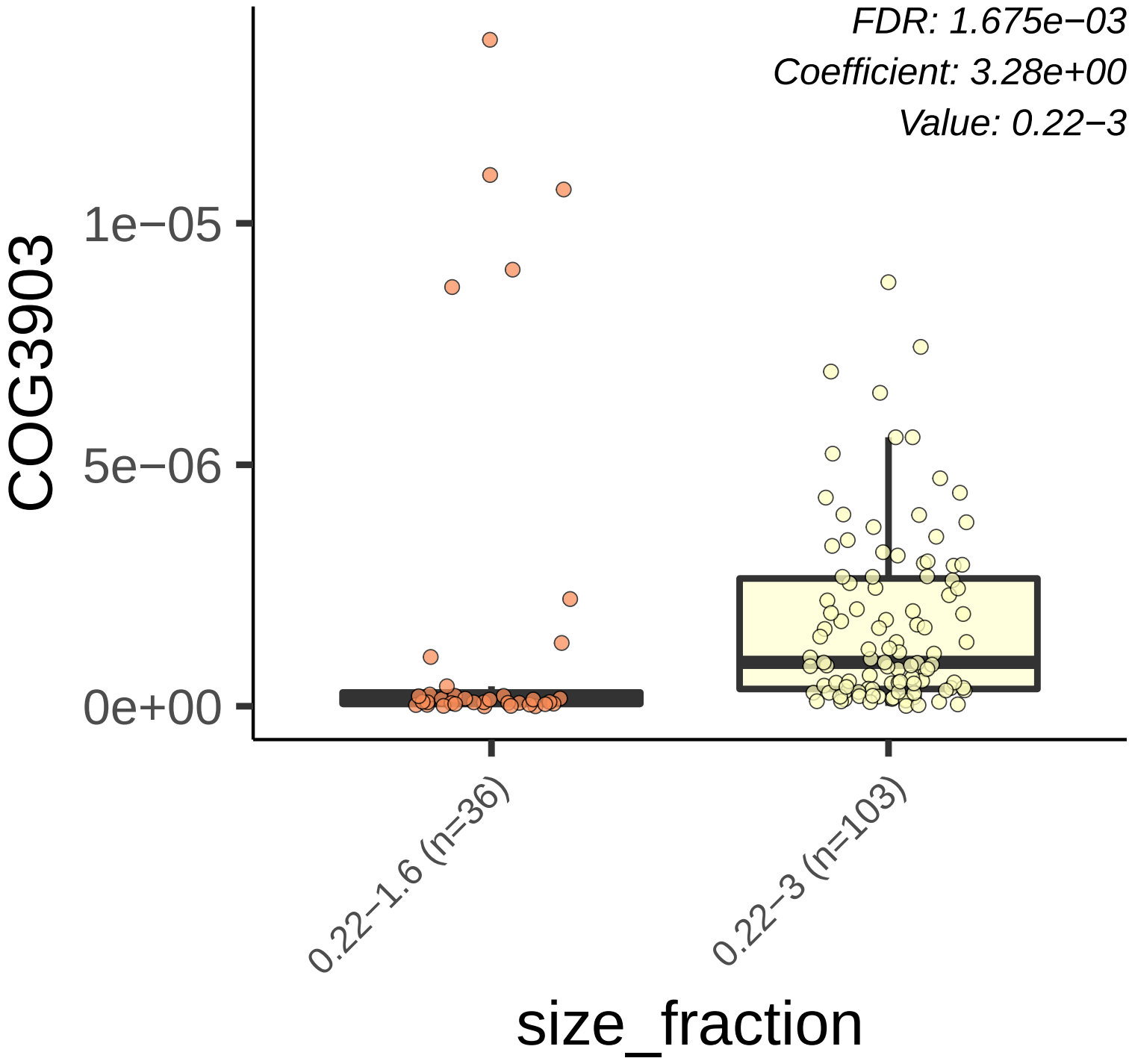

FDR: 1.365e−03
Coefficient: 1.42e+00
Value: 0.22−3
COG4539
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

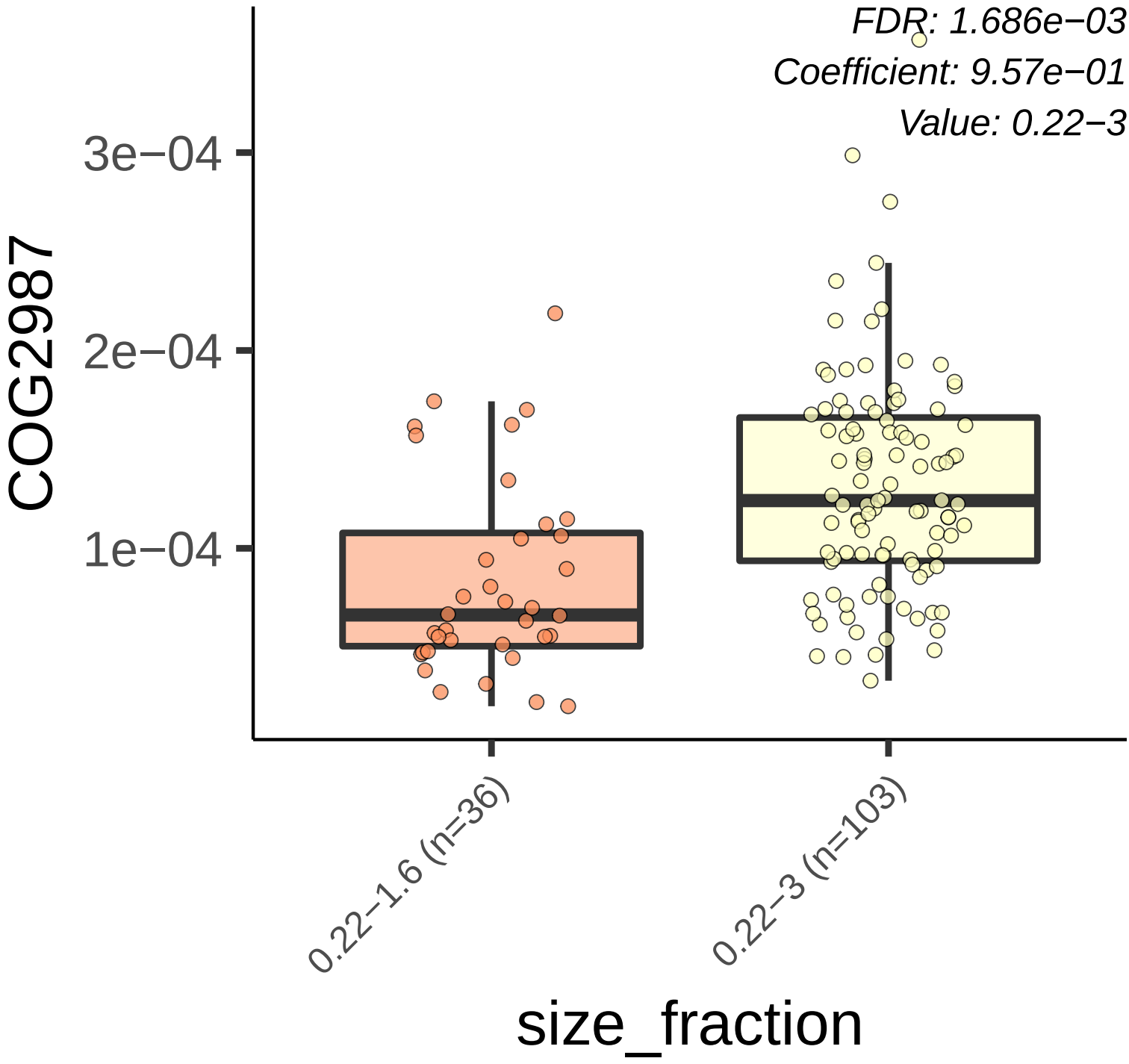

FDR: 1.417e−03
Coefficient: 1.17e+00
Value: 0.22−3
COG3404
9e−05
6e−05
3e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

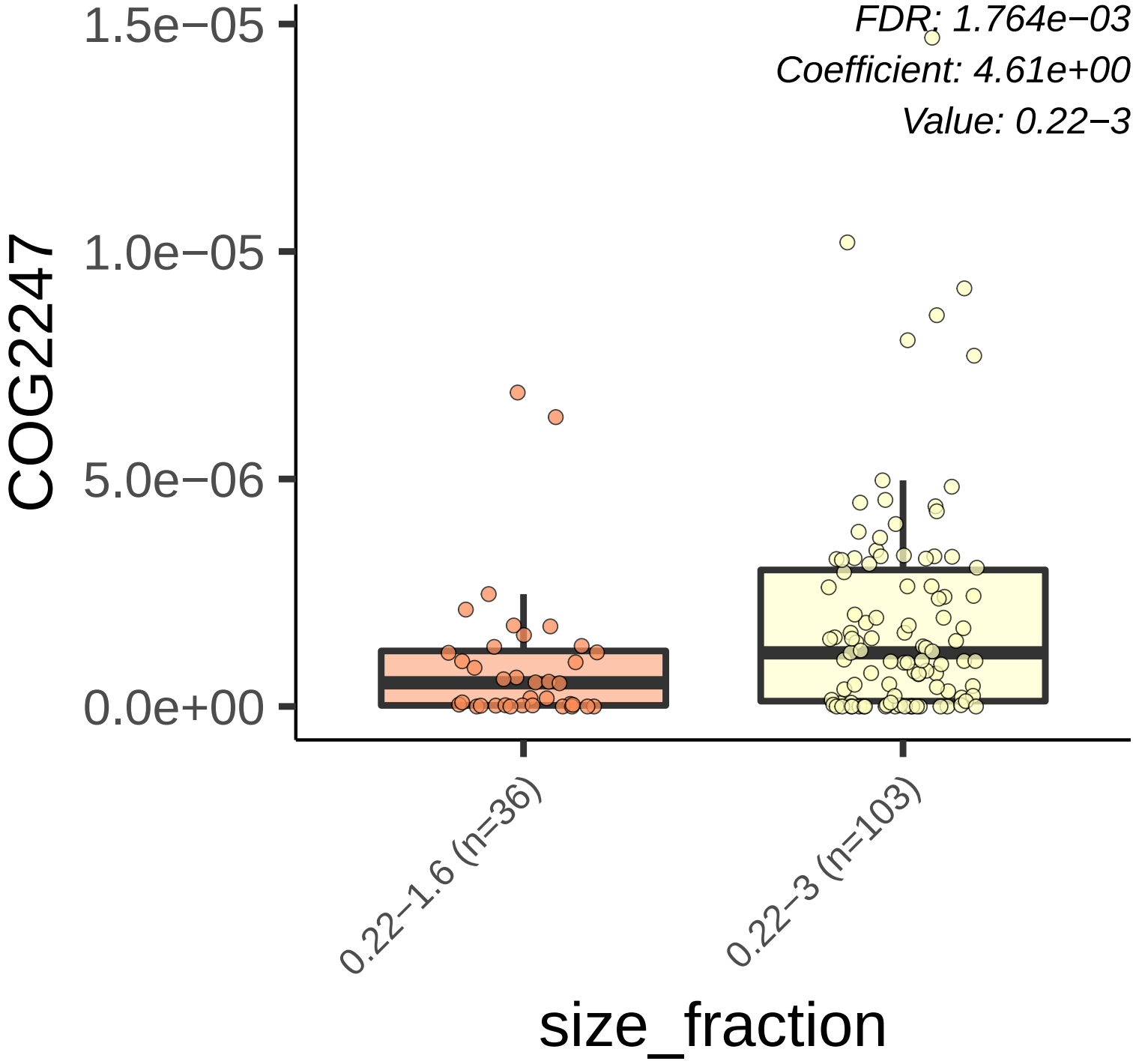

FDR: 1.417e−03
Coefficient: 1.96e+00
Value: 0.22−3
COG3899
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

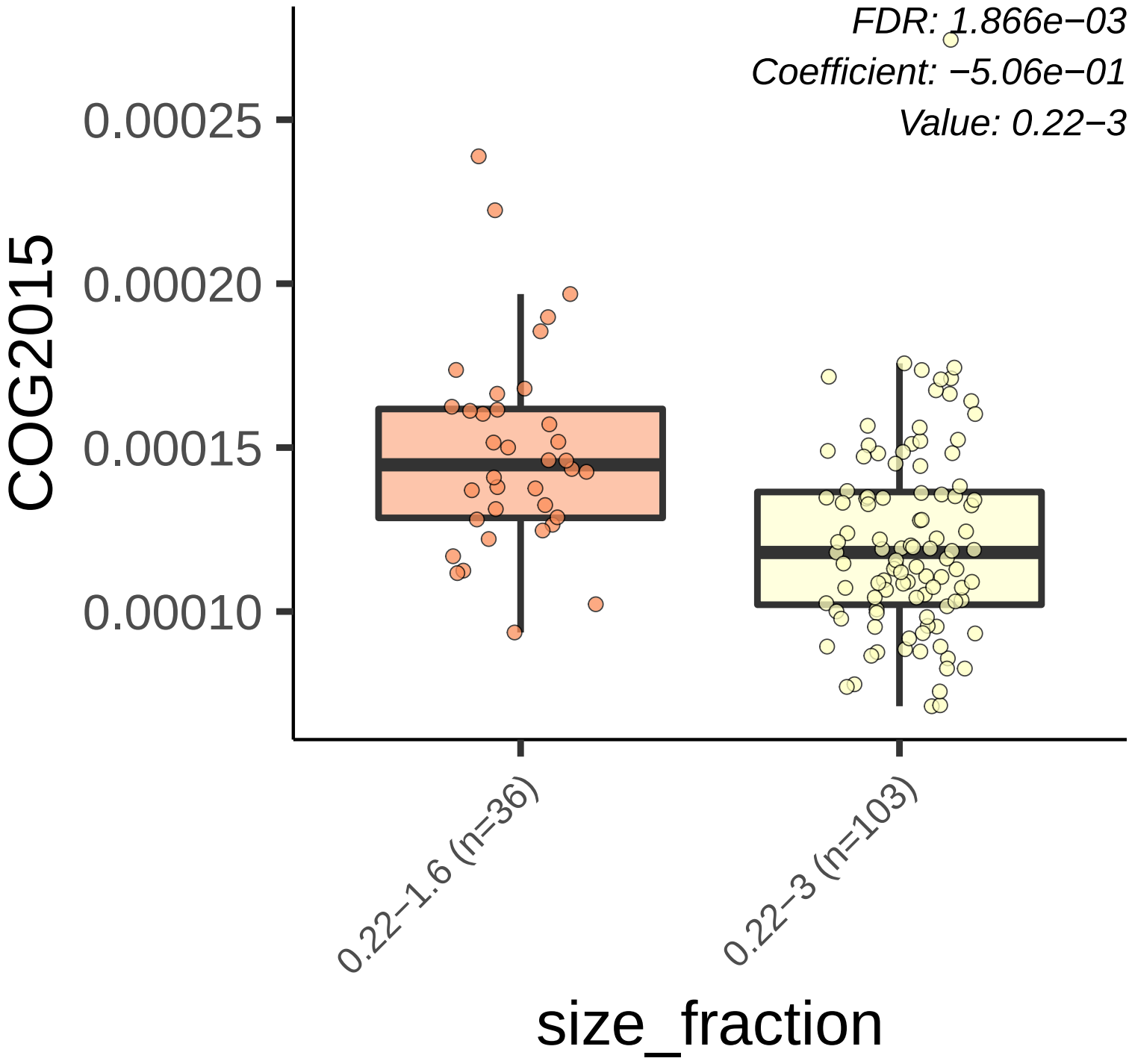

FDR: 1.479e−03
Coefficient: 1.18e+00
Value: 0.22−3
COG1739
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

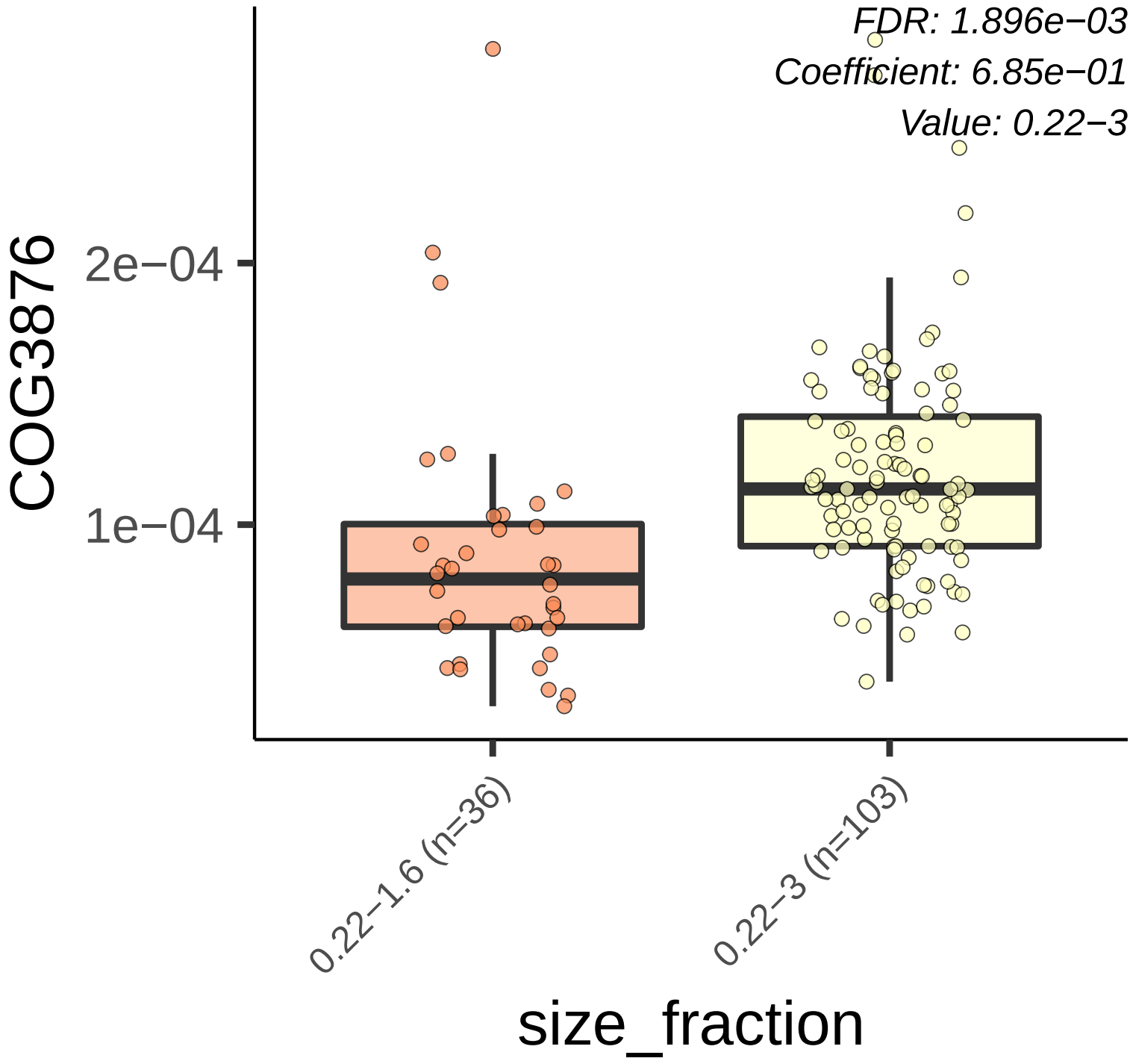

FDR: 1.483e−03
Coefficient: 1.40e+00
Value: 0.22−3
COG0348
4e−04
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

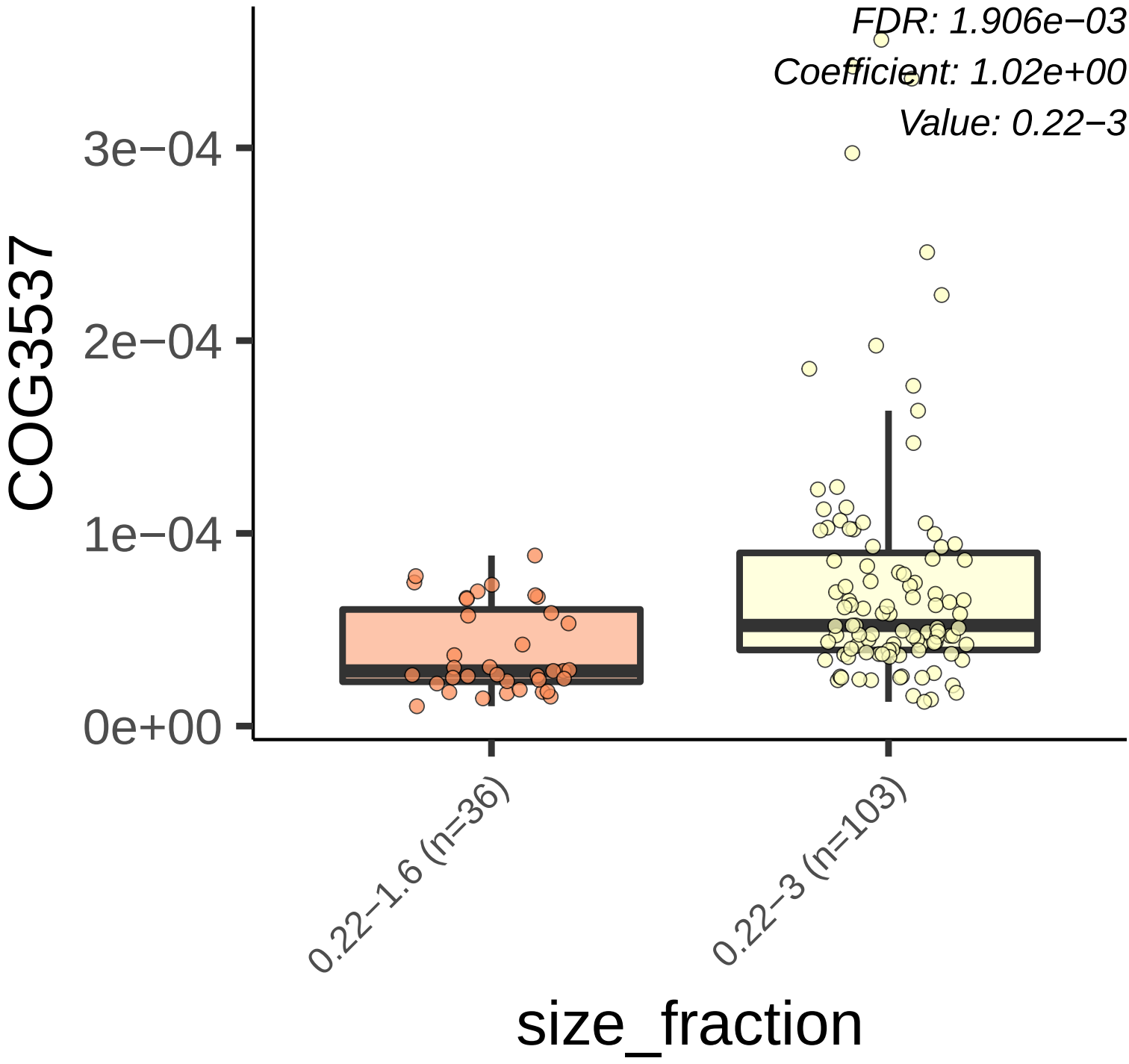

FDR: 1.675e−03
Coefficient: 3.28e+00
Value: 0.22−3
COG3903
1e−05
5e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

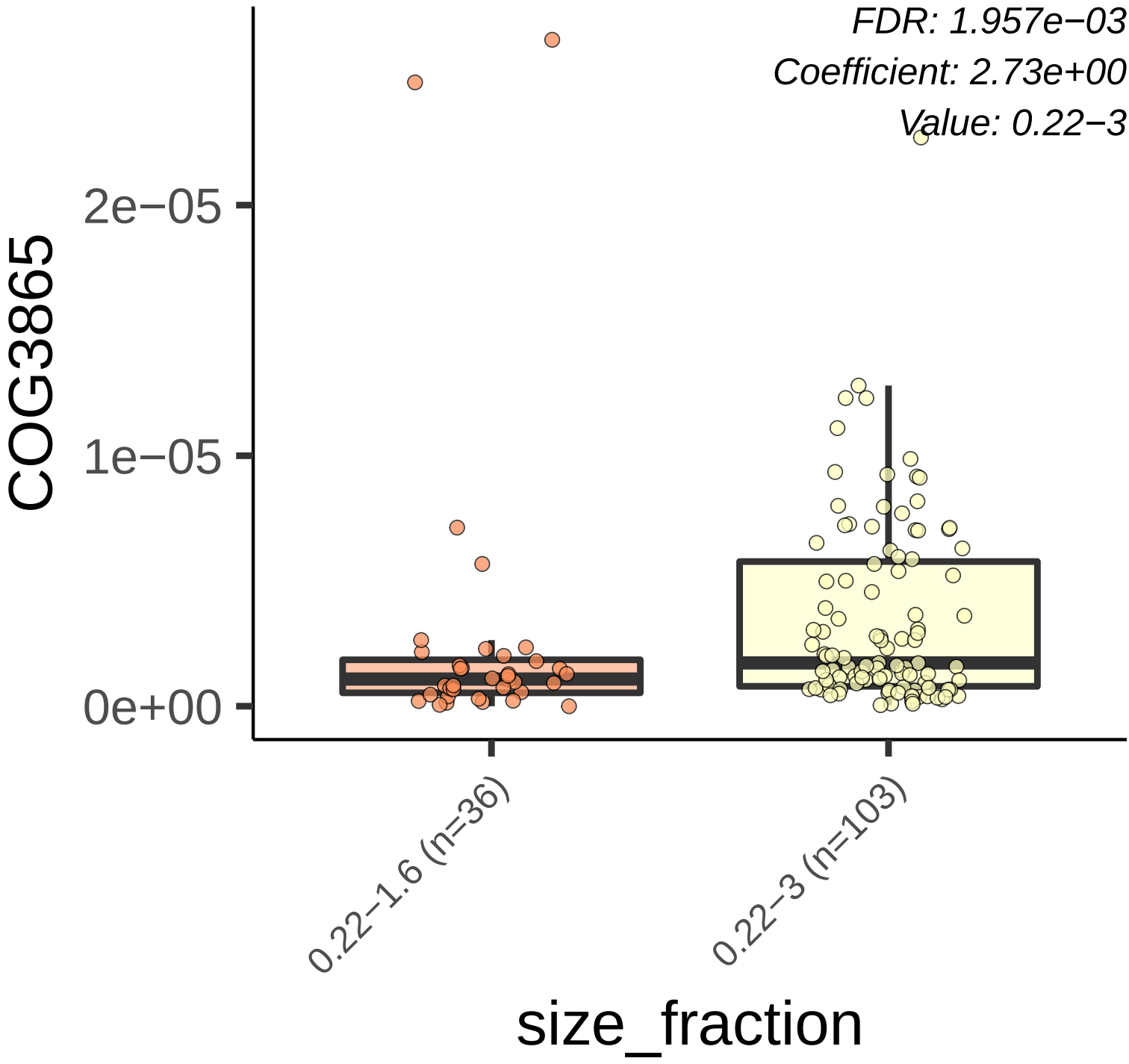

FDR: 1.686e−03
Coefficient: 9.57e−01
Value: 0.22−3
COG2987
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

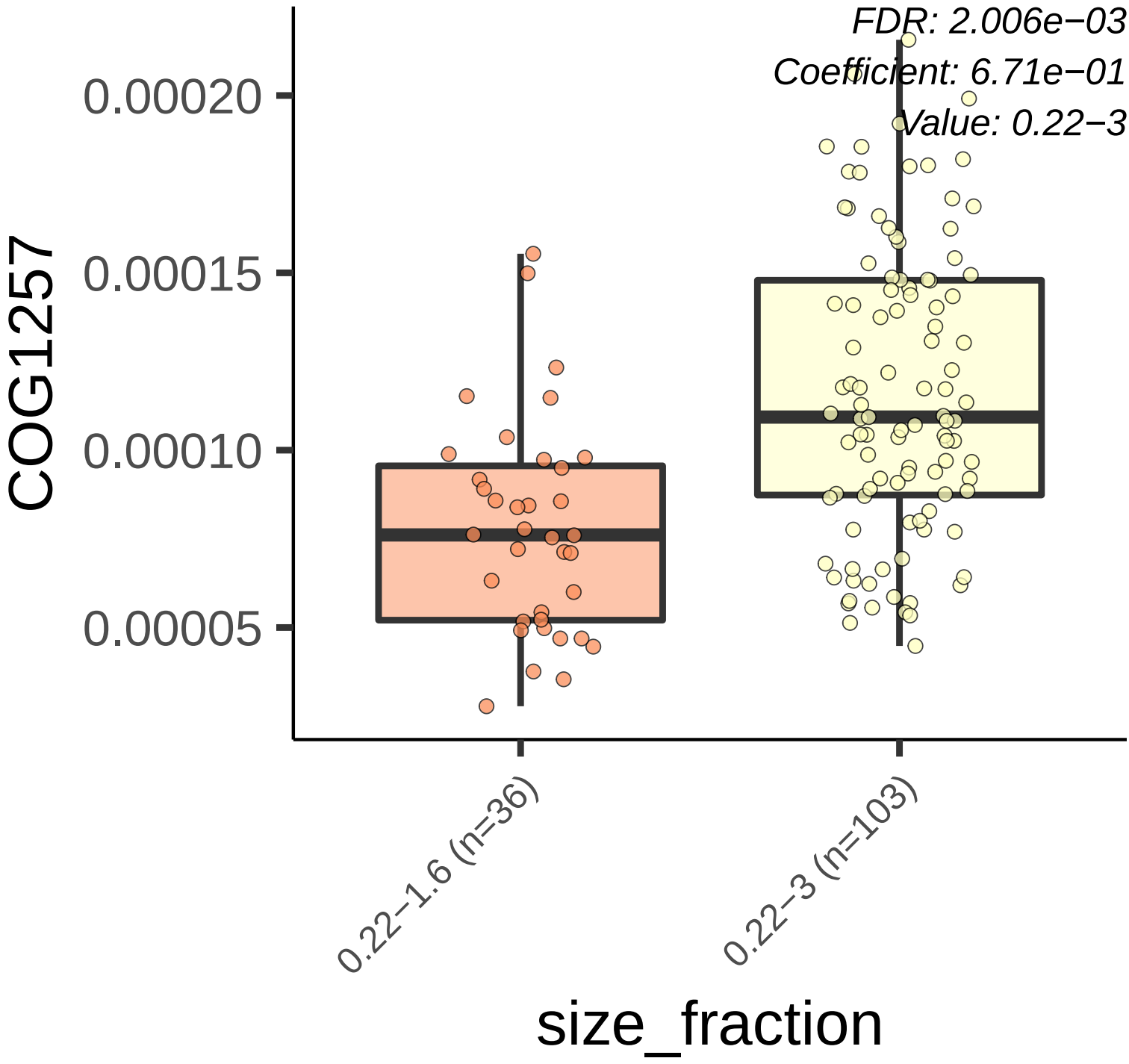

FDR: 1.764e−03
Coefficient: 4.61e+00
Value: 0.22−3
COG2247
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

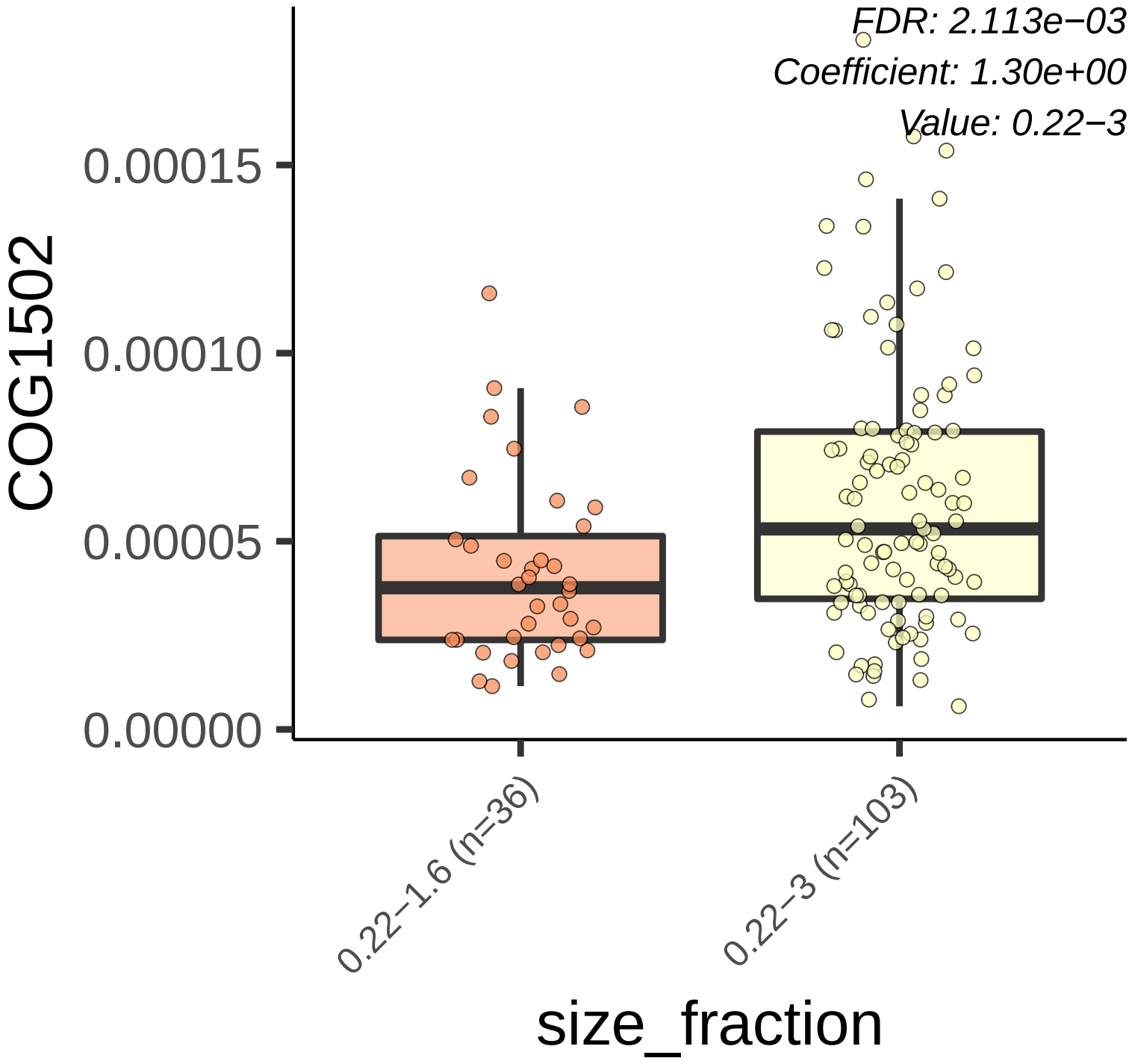

FDR: 1.866e−03
Coefficient: −5.06e−01
Value: 0.22−3
COG2015
0.00025
0.00020
0.00015
0.00010
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

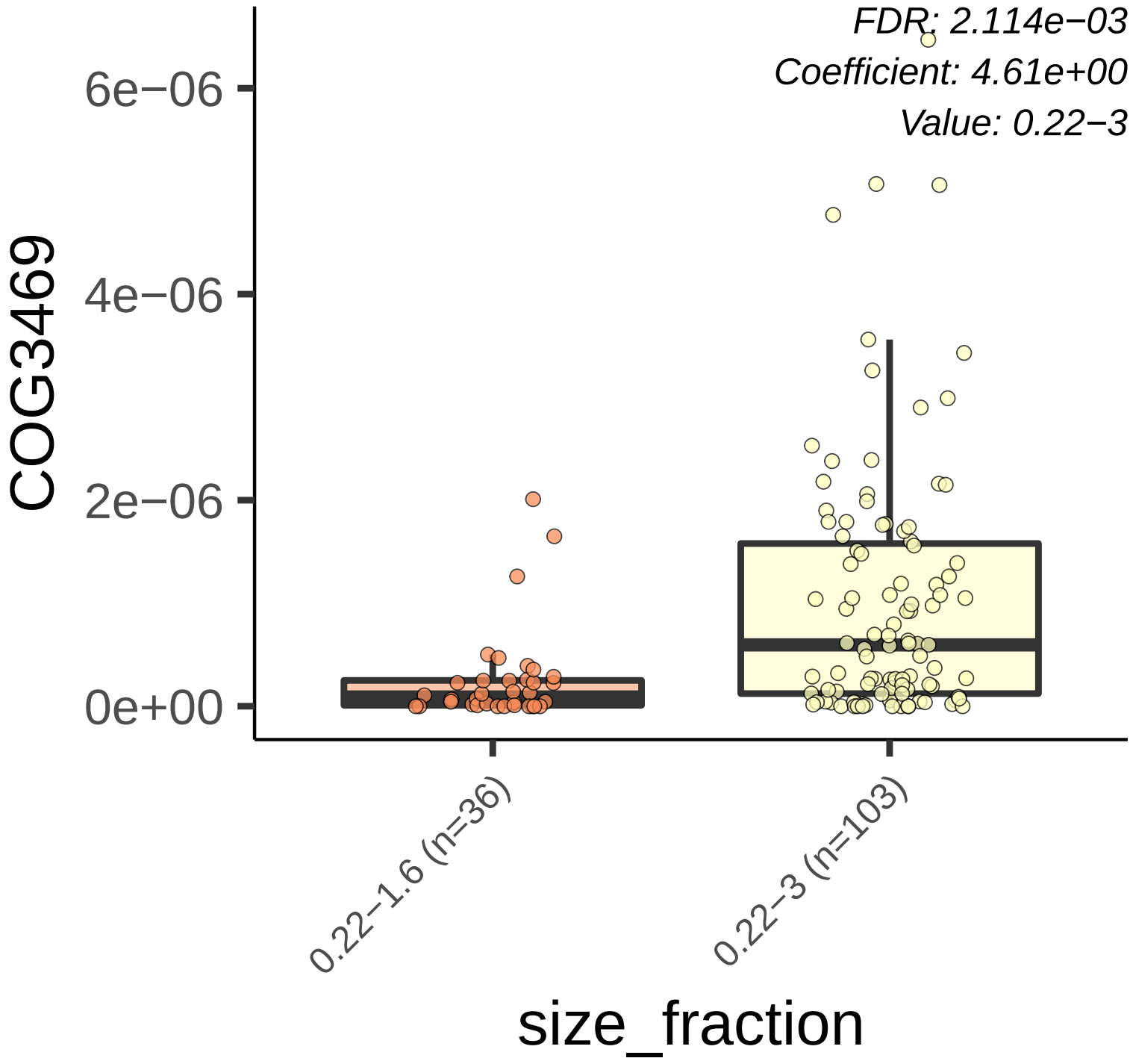

FDR: 1.896e−03
Coefficient: 6.85e−01
Value: 0.22−3
COG3876
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

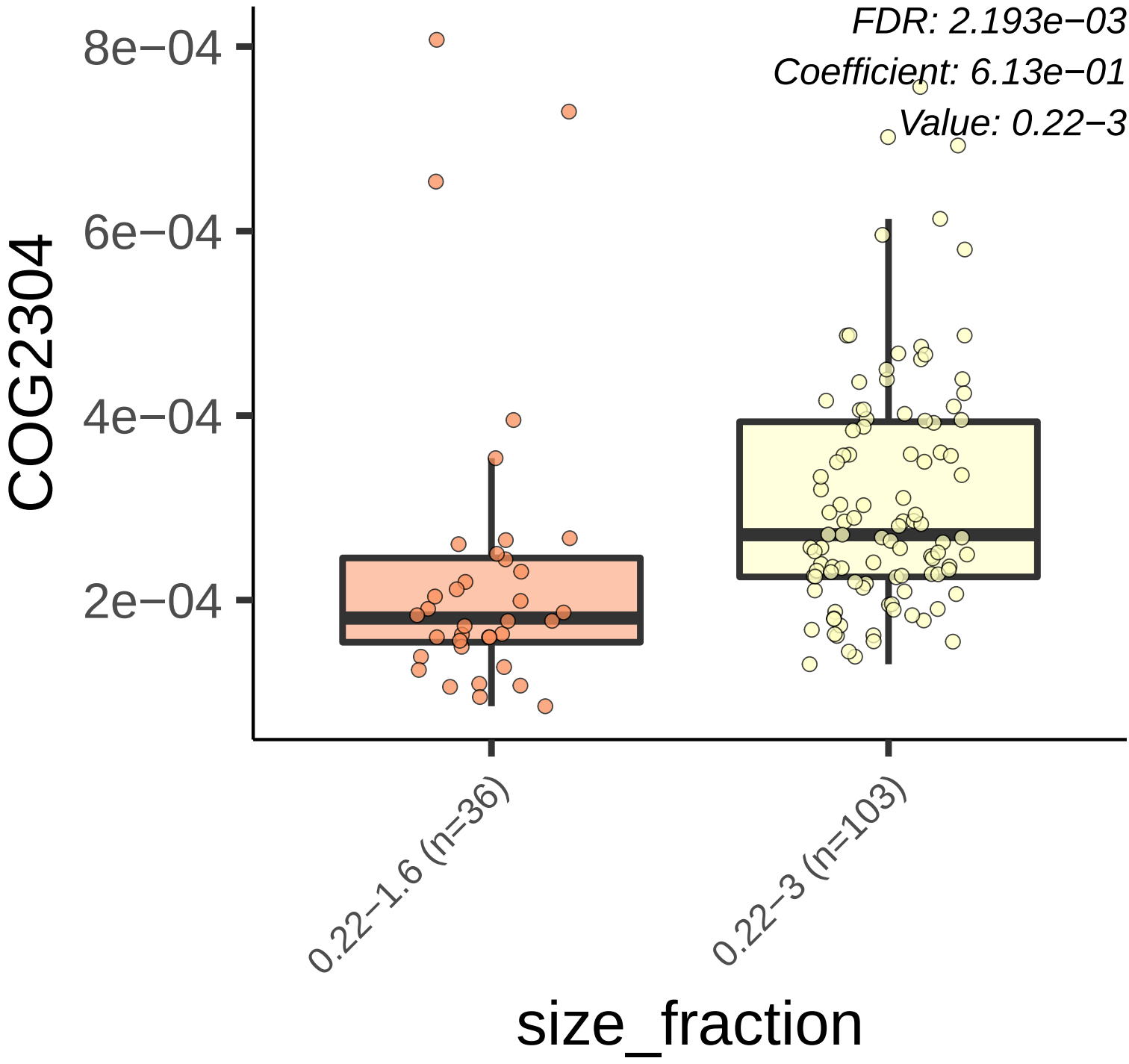

FDR: 1.906e−03
Coefficient: 1.02e+00
Value: 0.22−3
COG3537
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

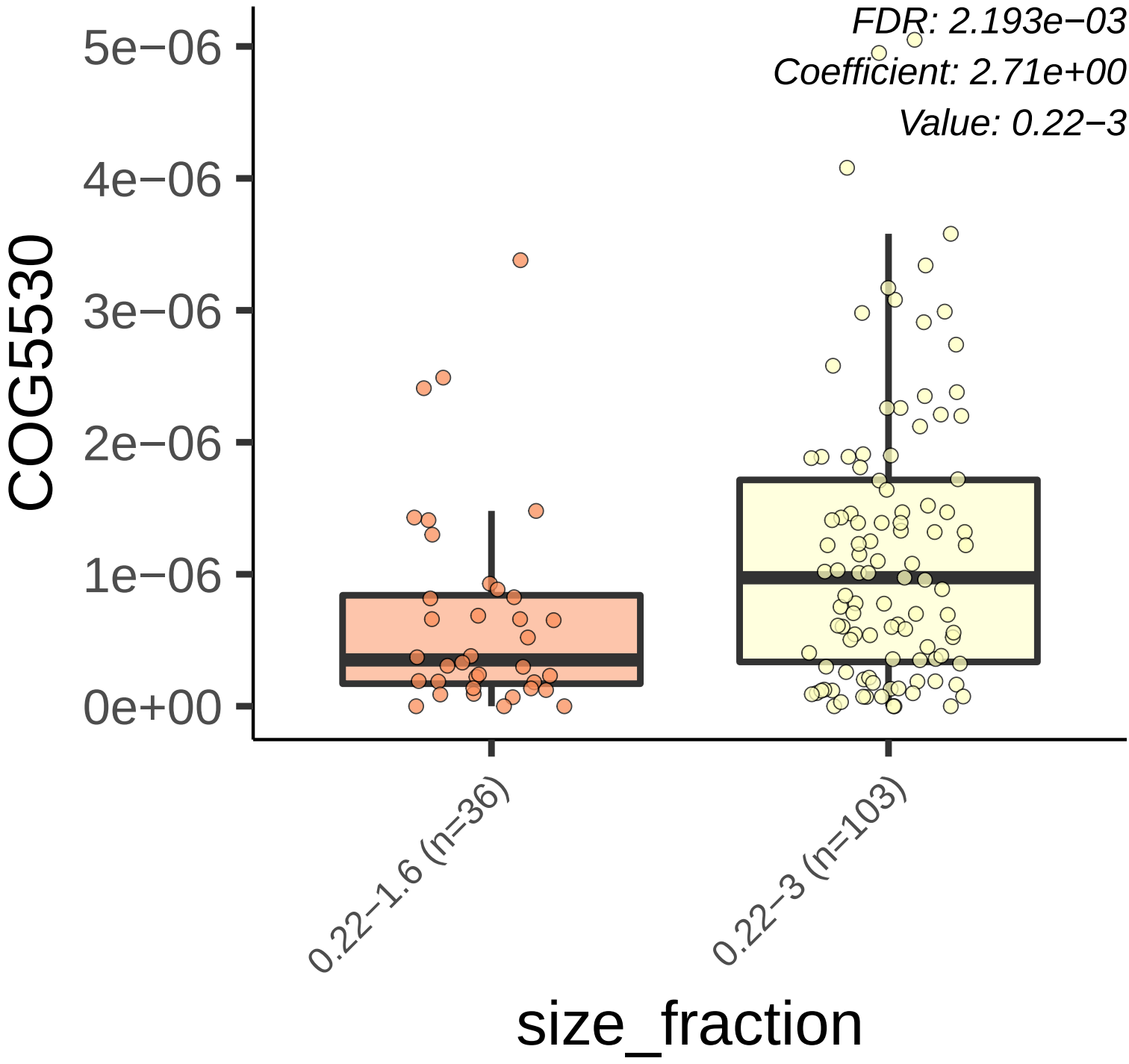

FDR: 1.957e−03
Coefficient: 2.73e+00
Value: 0.22−3
COG3865
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

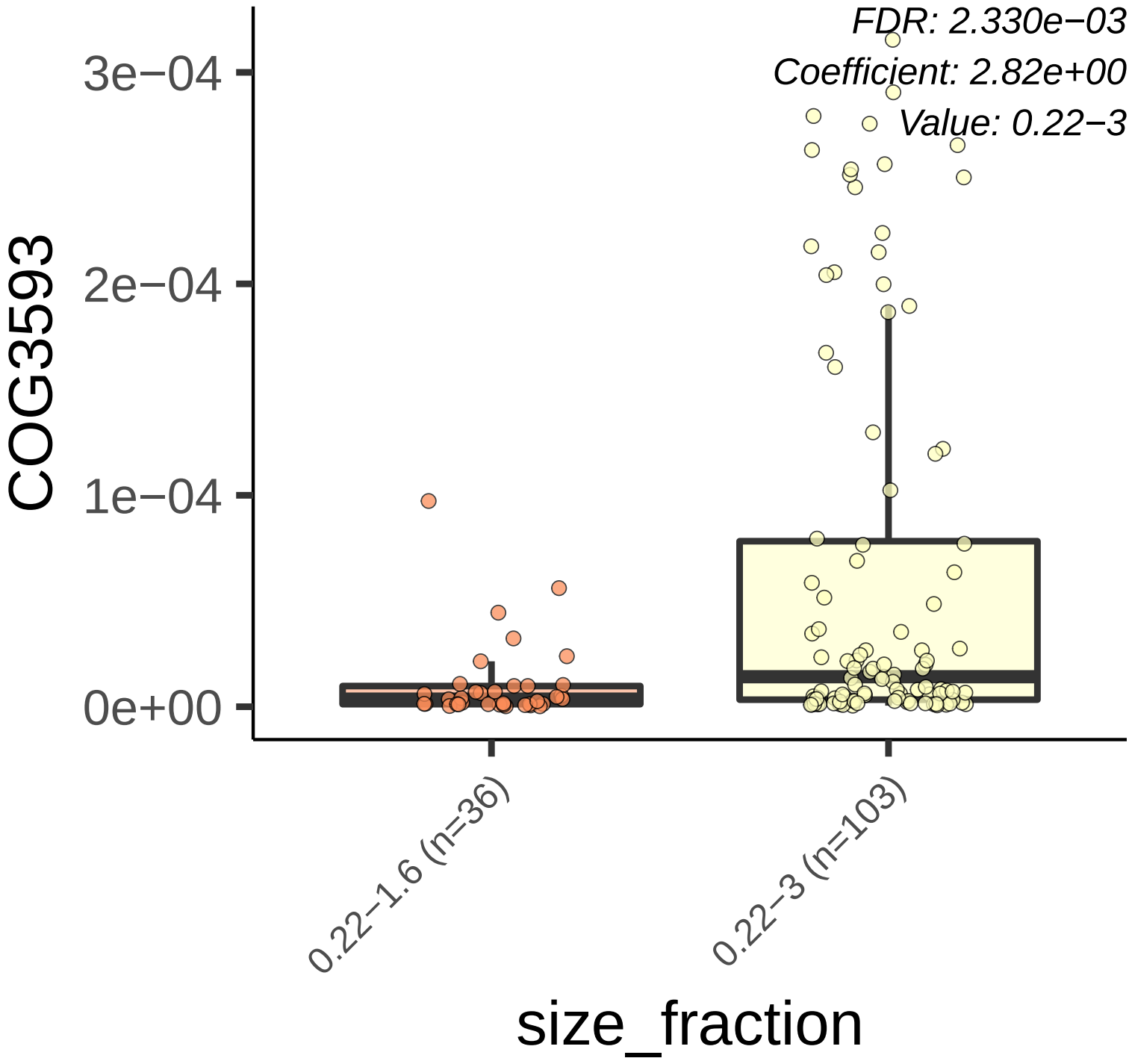

FDR: 2.006e−03
Coefficient: 6.71e−01
Value: 0.22−3
COG1257
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

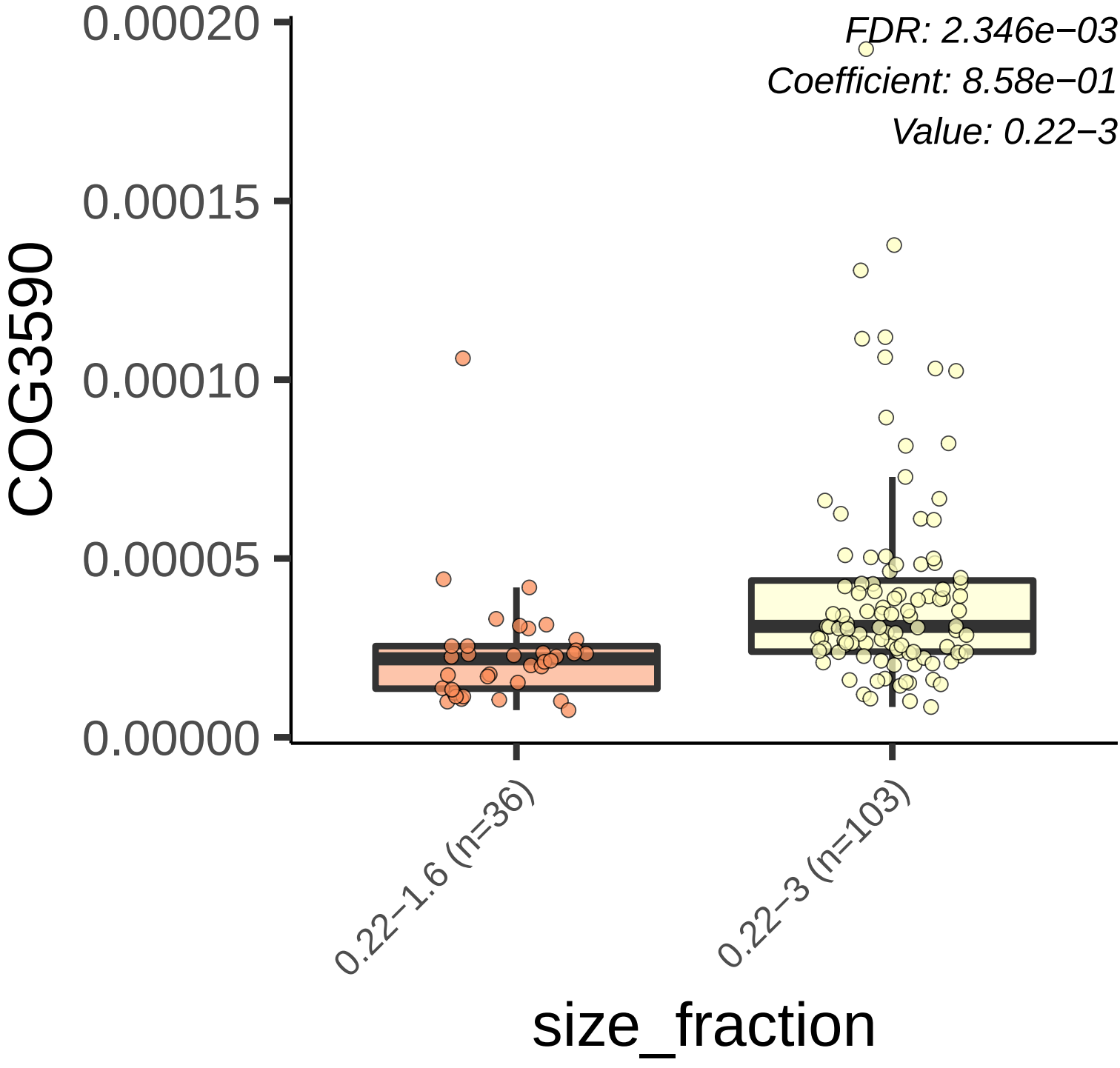

FDR: 2.113e−03
Coefficient: 1.30e+00
Value: 0.22−3
COG1502
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

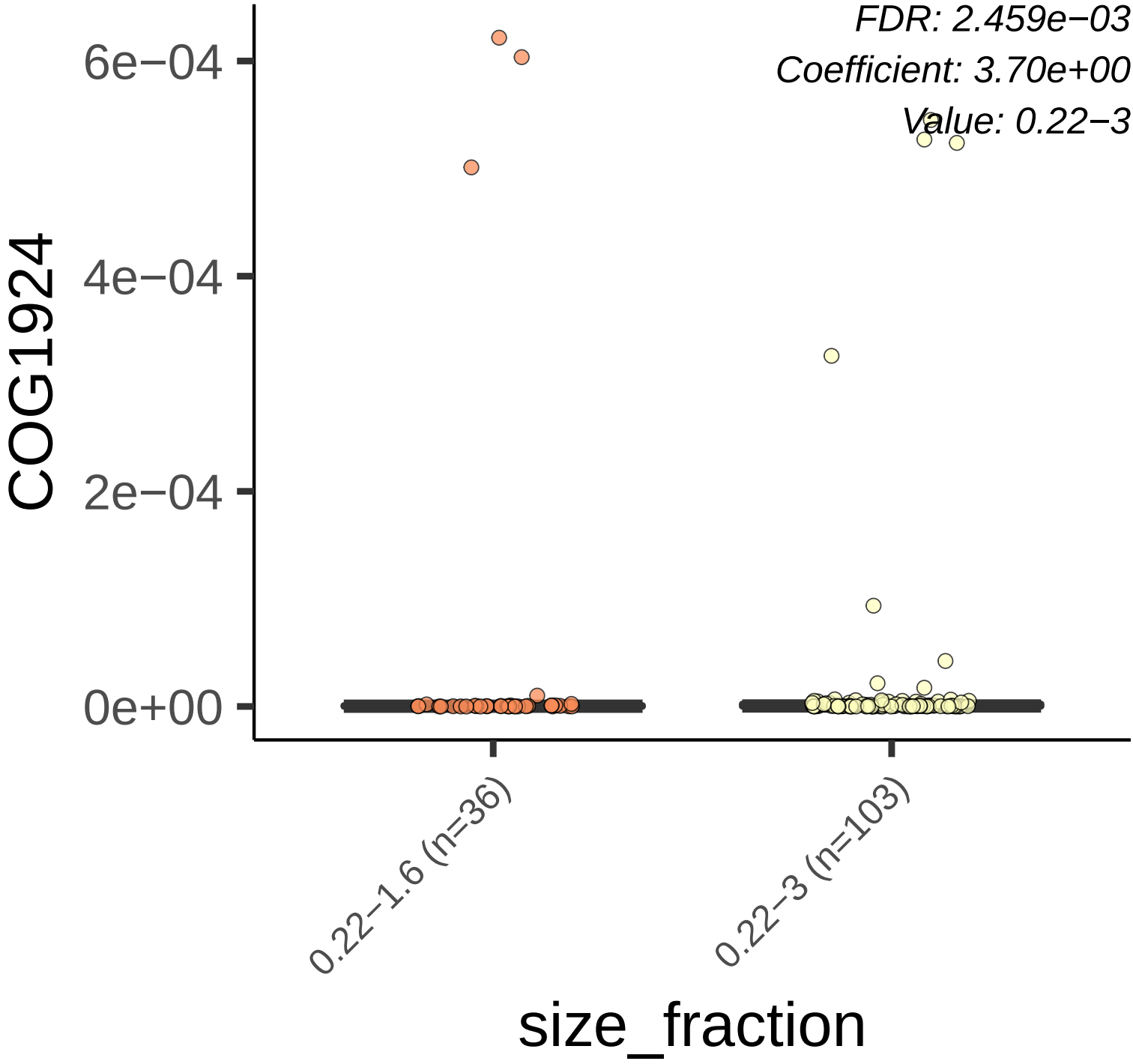

FDR: 2.114e−03
Coefficient: 4.61e+00
Value: 0.22−3
COG3469
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

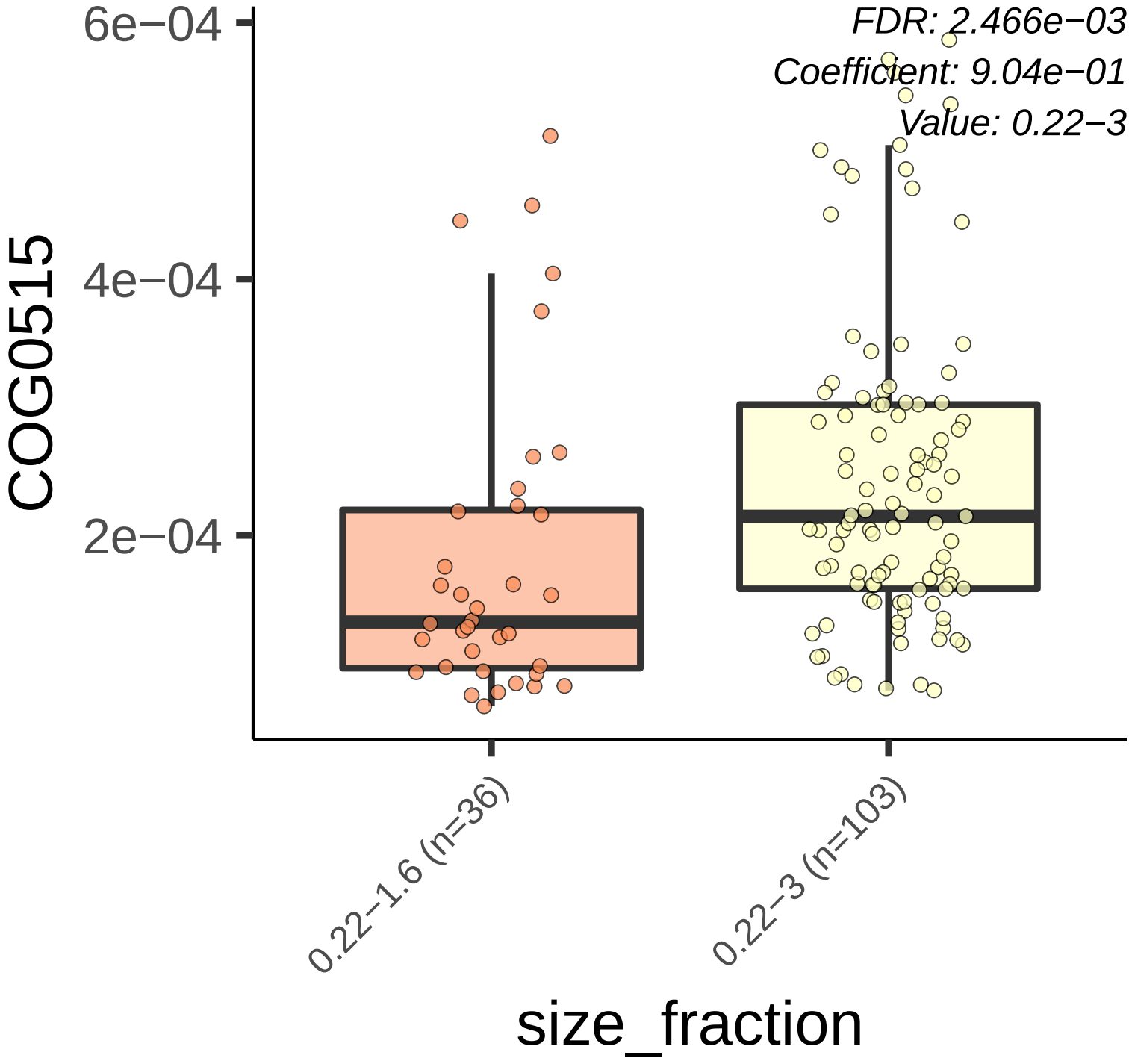

FDR: 2.193e−03
Coefficient: 6.13e−01
Value: 0.22−3
COG2304
8e−04
6e−04
4e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

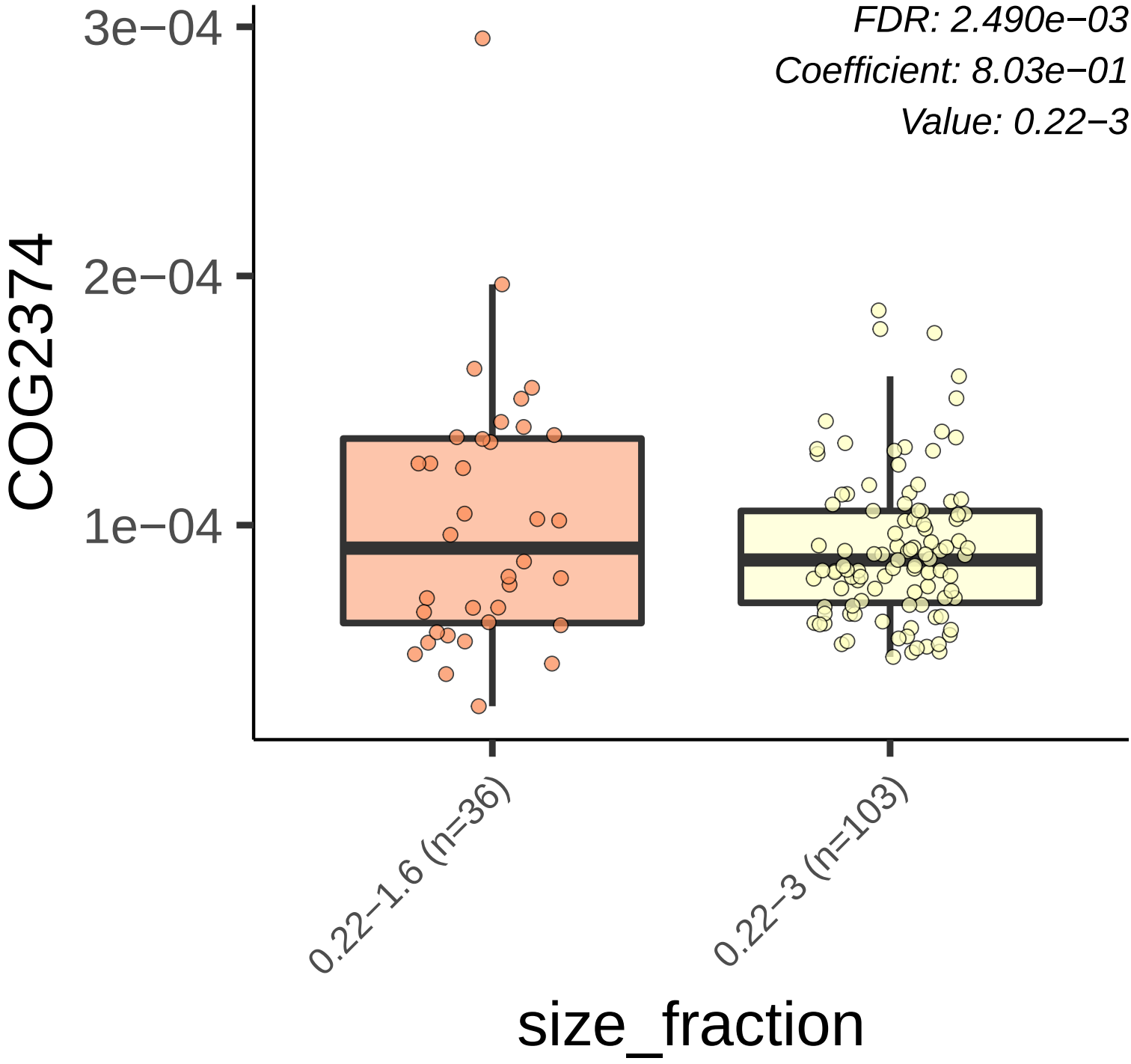

FDR: 2.193e−03
Coefficient: 2.71e+00
Value: 0.22−3
COG5530
5e−06
4e−06
3e−06
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

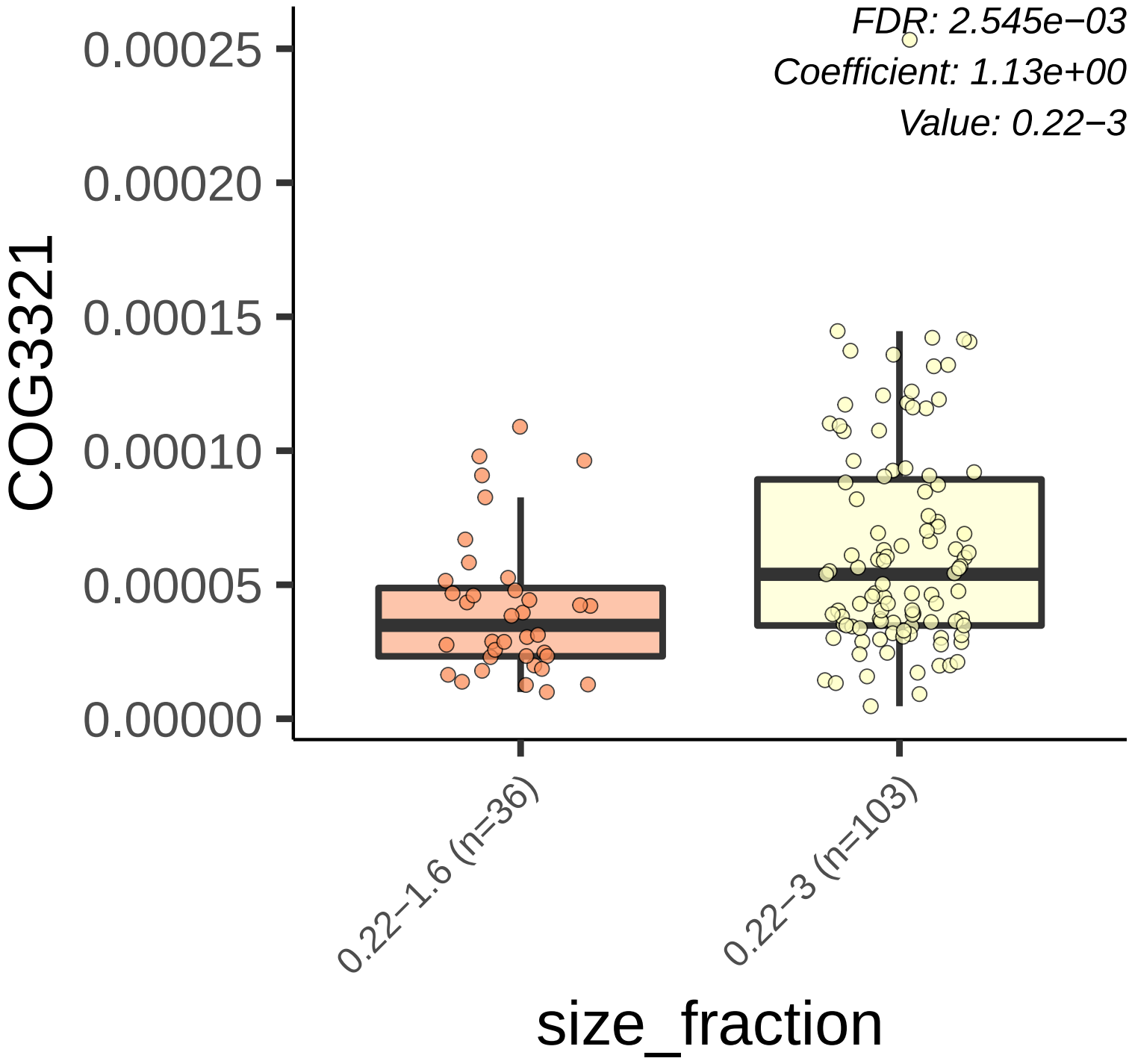

FDR: 2.330e−03
Coefficient: 2.82e+00
Value: 0.22−3
COG3593
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

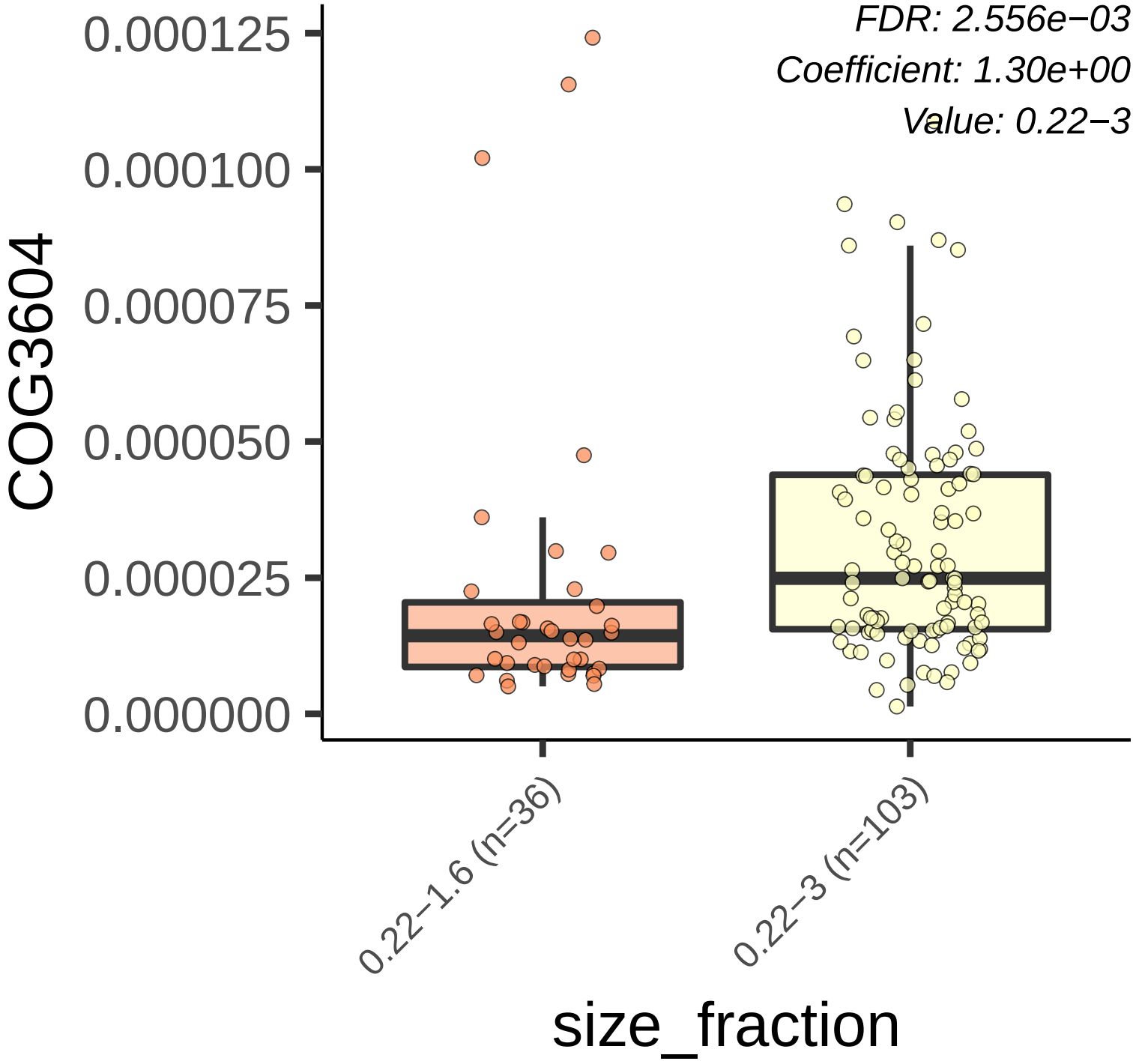

FDR: 2.346e−03
Coefficient: 8.58e−01
Value: 0.22−3
COG3590
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

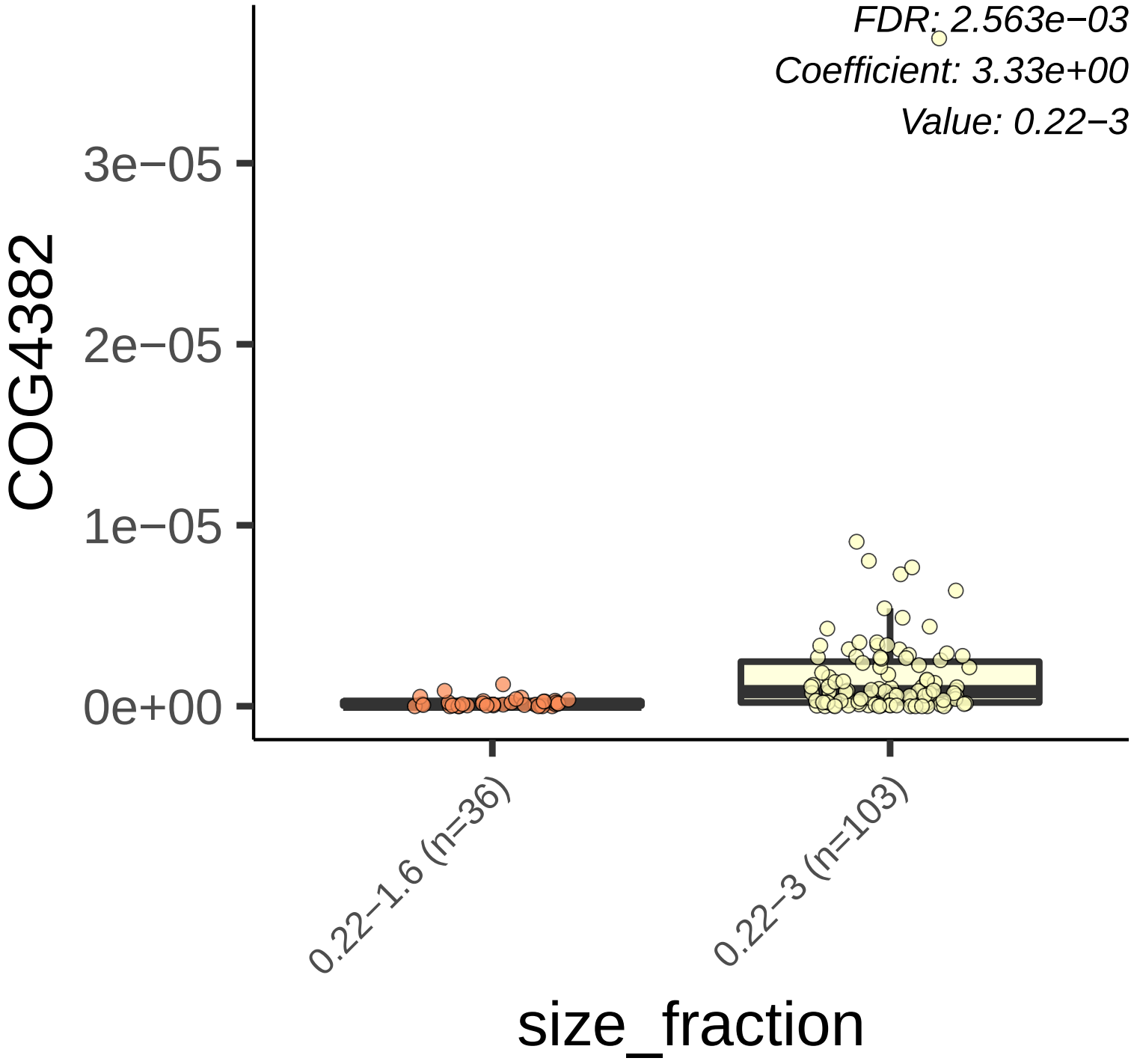

FDR: 2.459e−03
Coefficient: 3.70e+00
Value: 0.22−3
COG1924
6e−04
4e−04
2e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

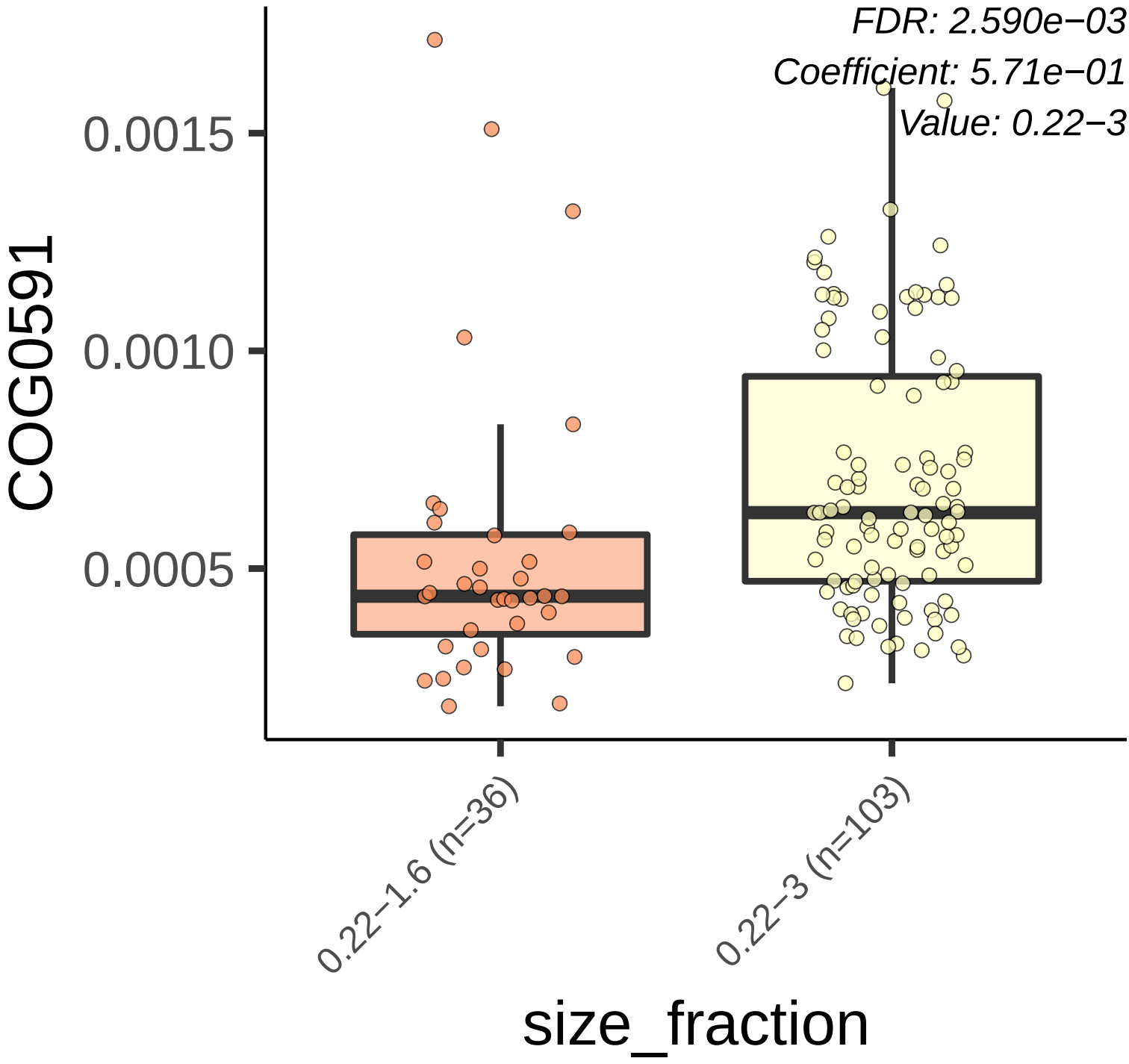

FDR: 2.466e−03
Coefficient: 9.04e−01
Value: 0.22−3
COG0515
6e−04
4e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

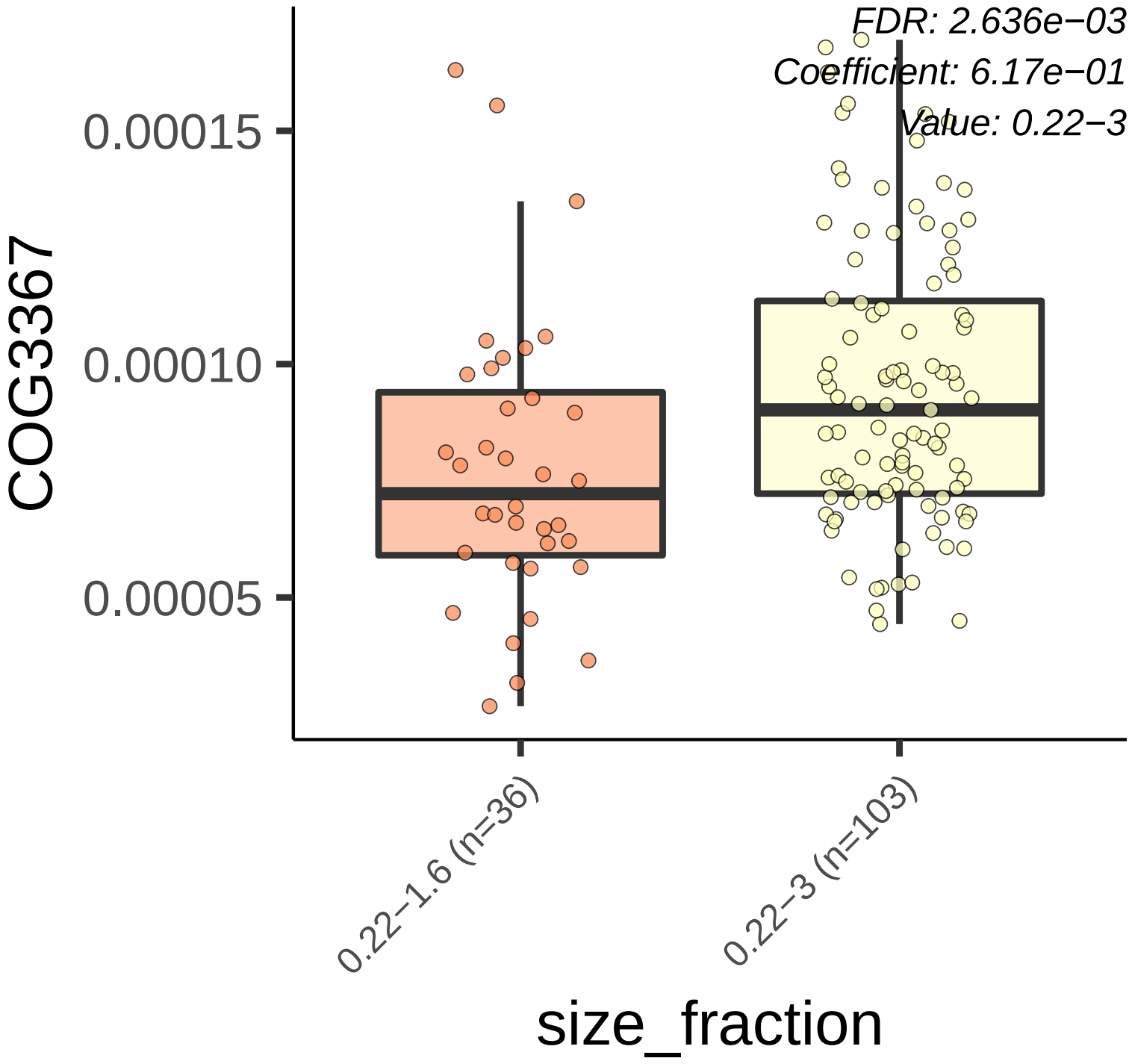

FDR: 2.490e−03
Coefficient: 8.03e−01
Value: 0.22−3
COG2374
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

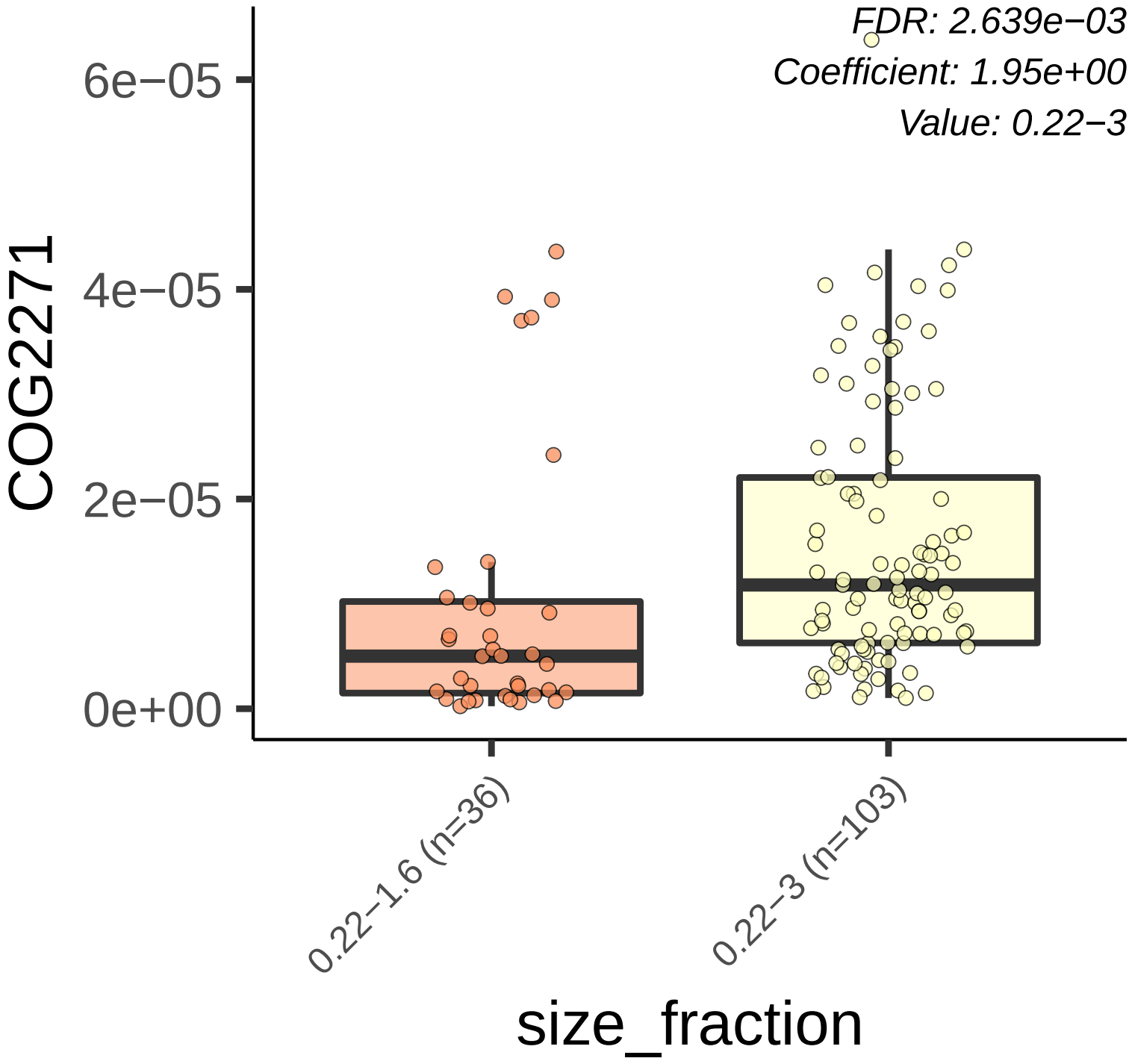

FDR: 2.545e−03
Coefficient: 1.13e+00
Value: 0.22−3
COG3321
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

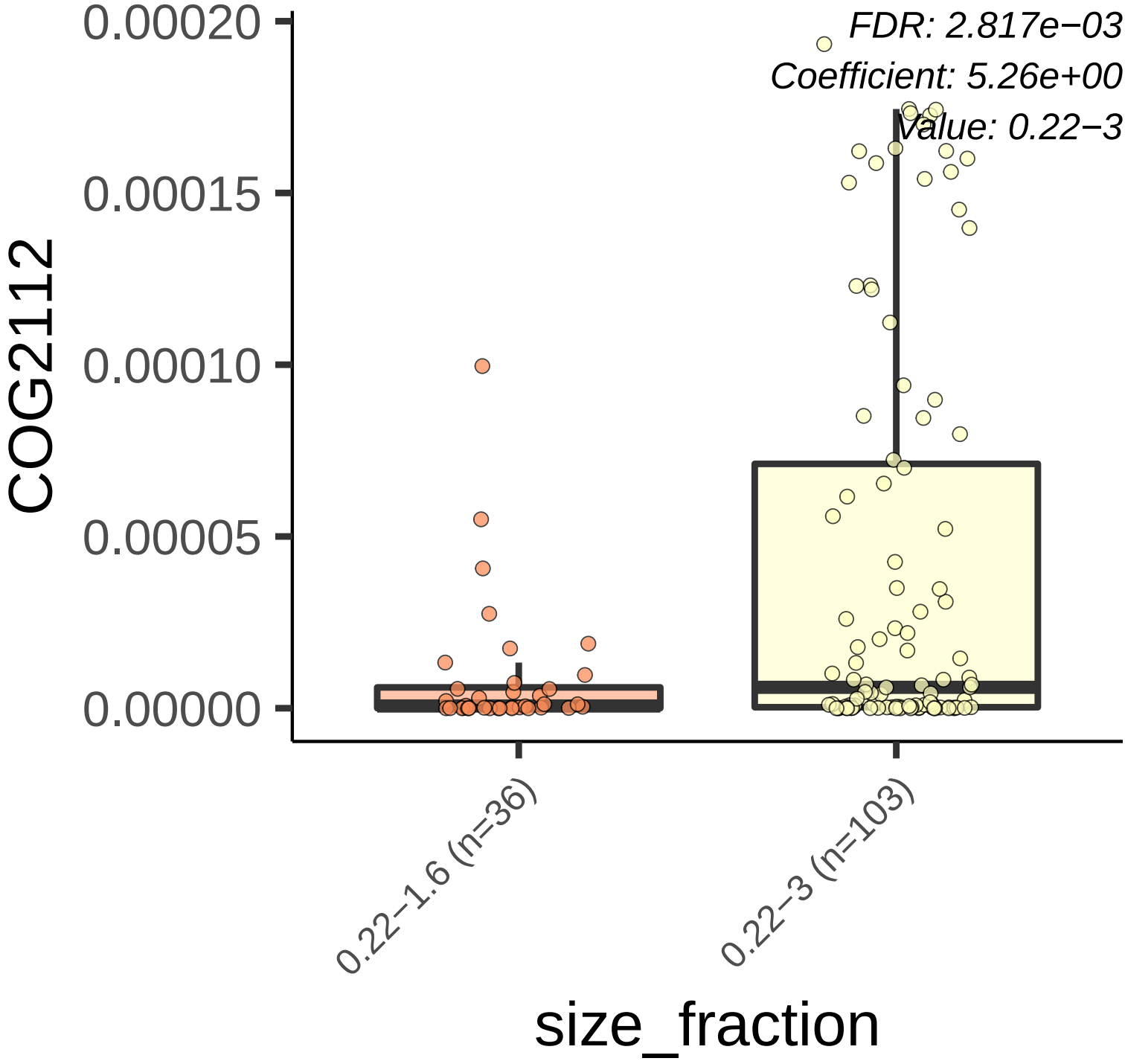

FDR: 2.556e−03
Coefficient: 1.30e+00
Value: 0.22−3
COG3604
0.000125
0.000100
0.000075
0.000050
0.000025
0.000000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

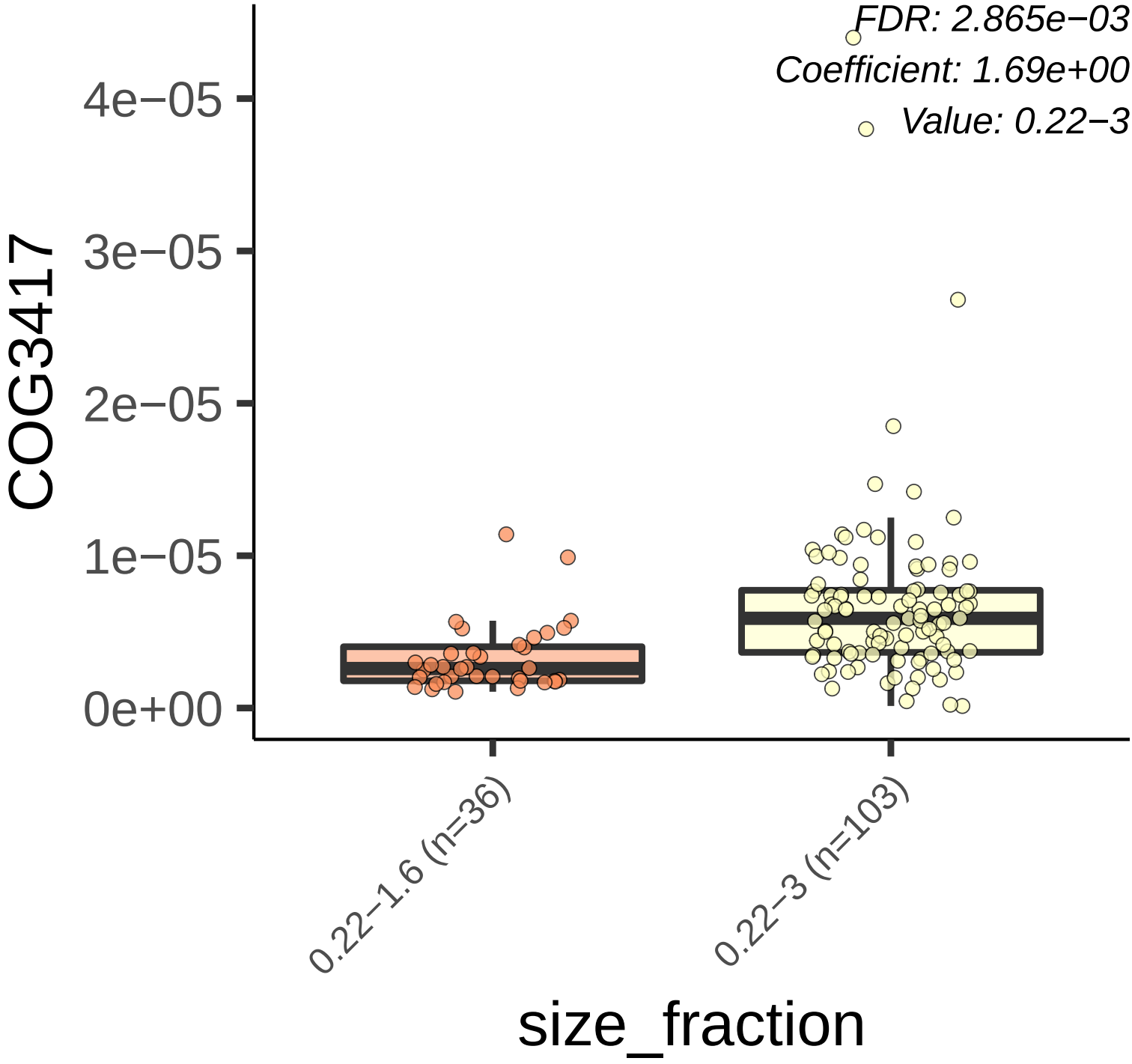

FDR: 2.563e−03
Coefficient: 3.33e+00
Value: 0.22−3
COG4382
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

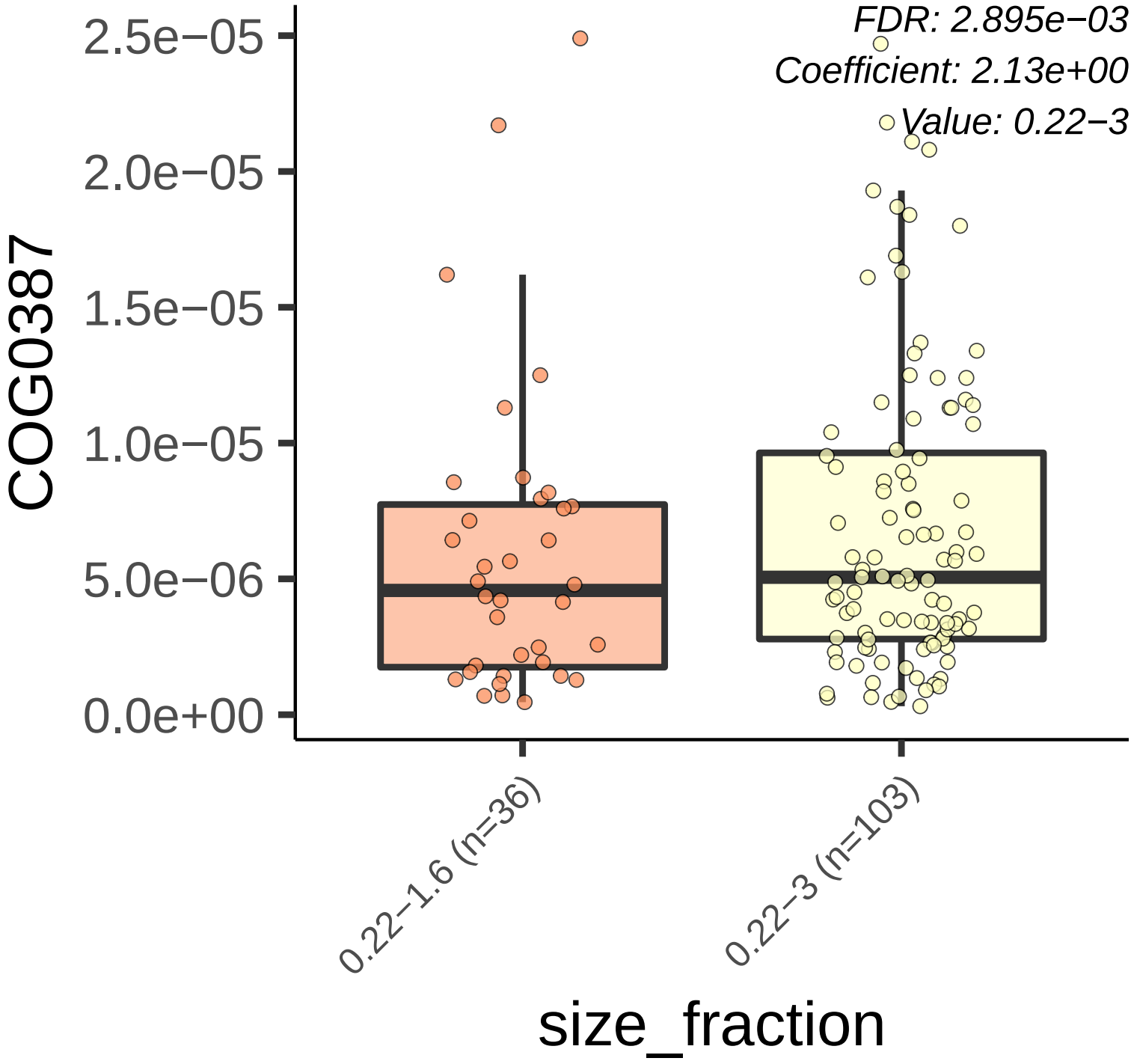

FDR: 2.590e−03
Coefficient: 5.71e−01
Value: 0.22−3
COG0591
0.0015
0.0010
0.0005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

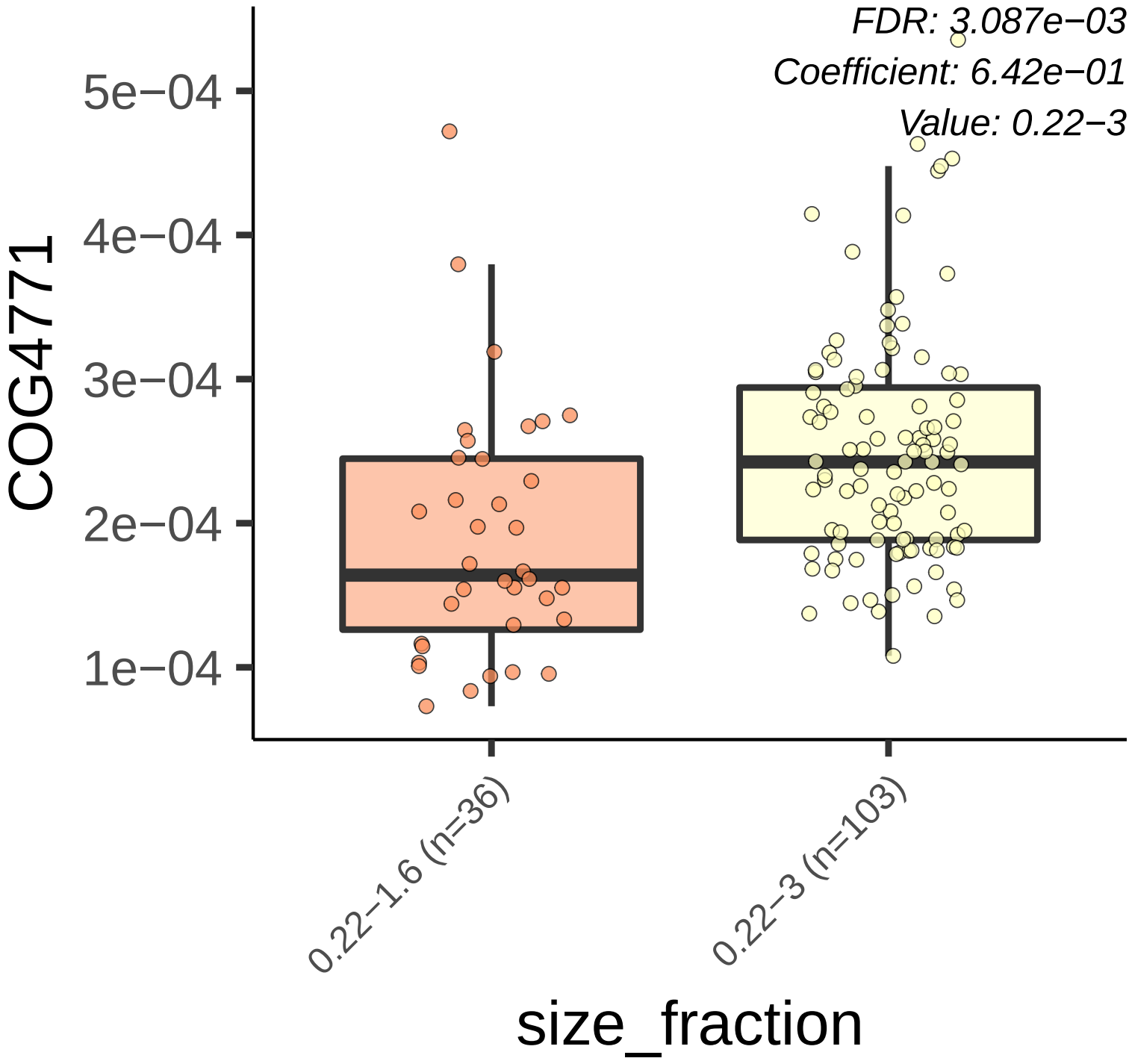

FDR: 2.636e−03
Coefficient: 6.17e−01
Value: 0.22−3
0.00015
0.00010
0.00005
COG3367
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

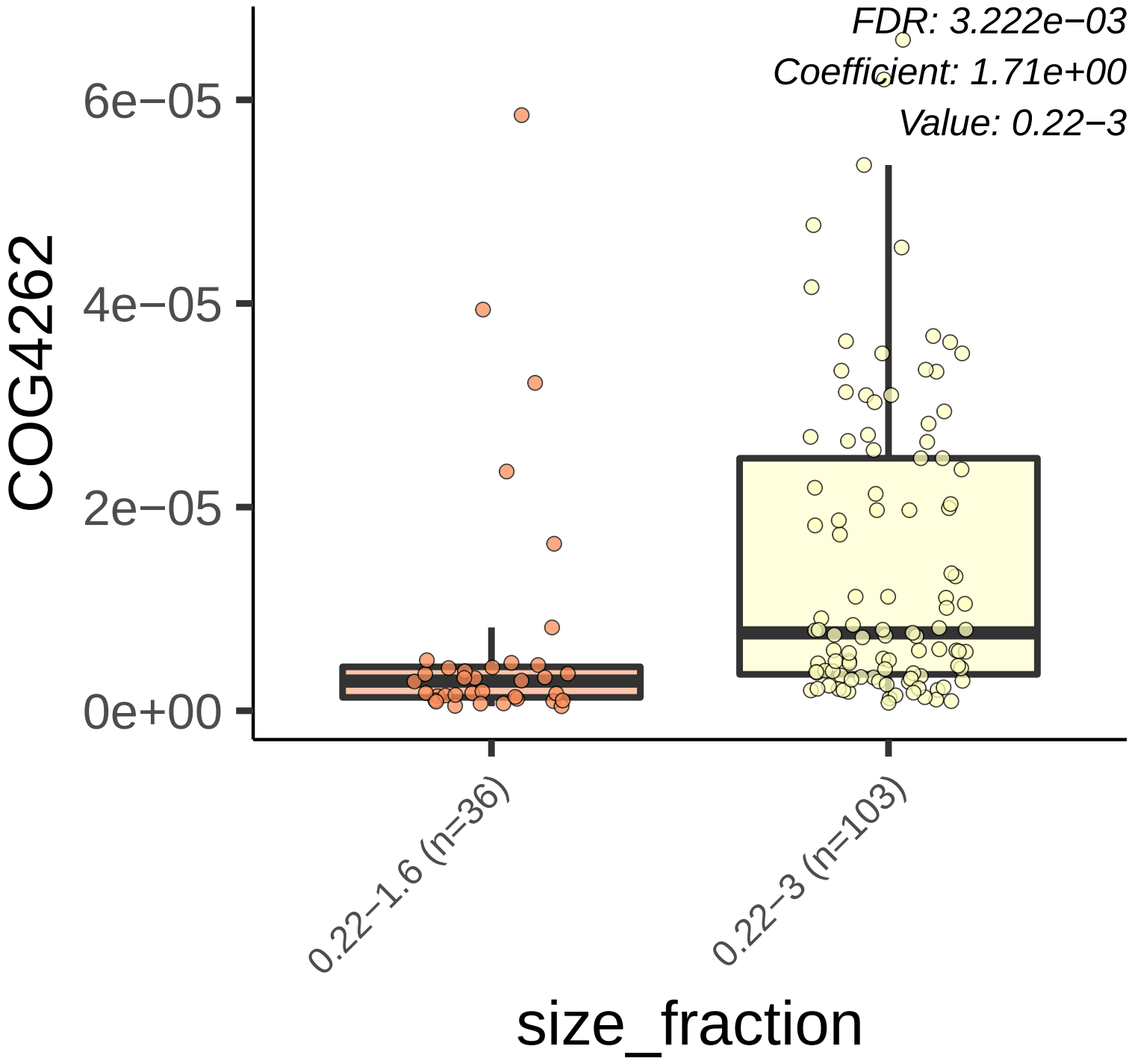

FDR: 2.639e−03
Coefficient: 1.95e+00
Value: 0.22−3
COG2271
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

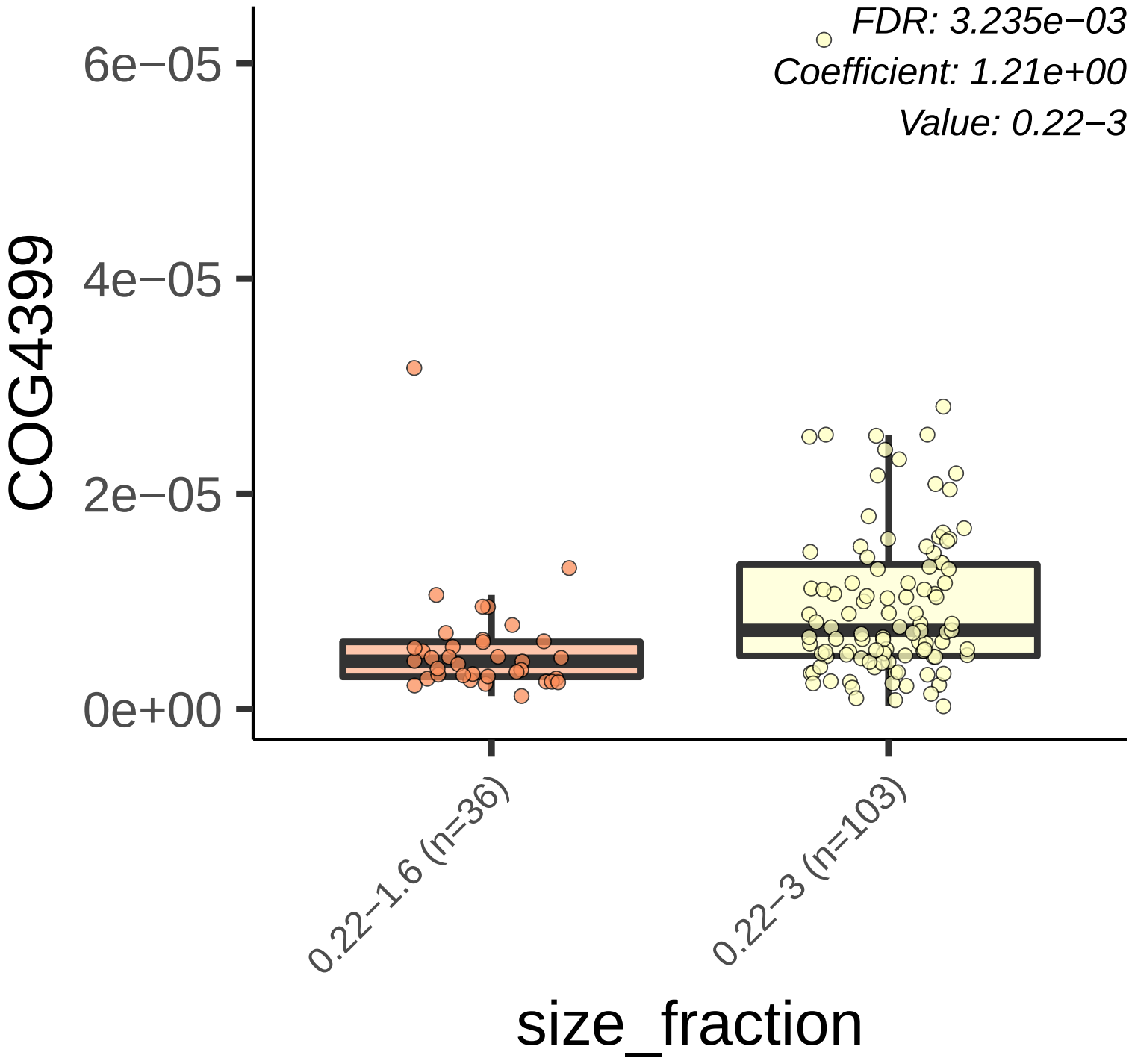

FDR: 2.817e−03
Coefficient: 5.26e+00
Value: 0.22−3
0.00020
0.00015
0.00010
0.00005
0.00000
COG2112
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

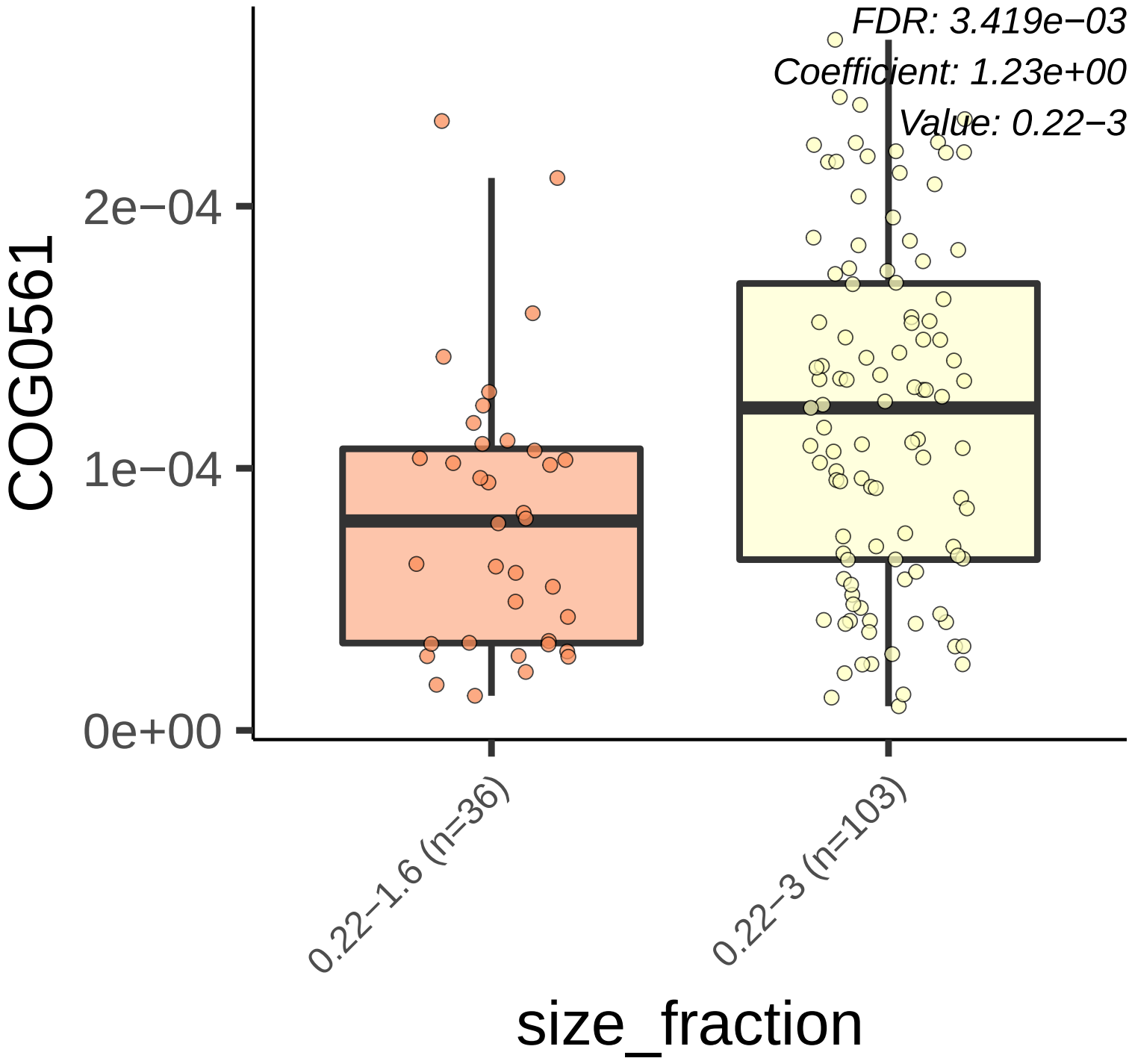

FDR: 2.865e−03
Coefficient: 1.69e+00
Value: 0.22−3
COG3417
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

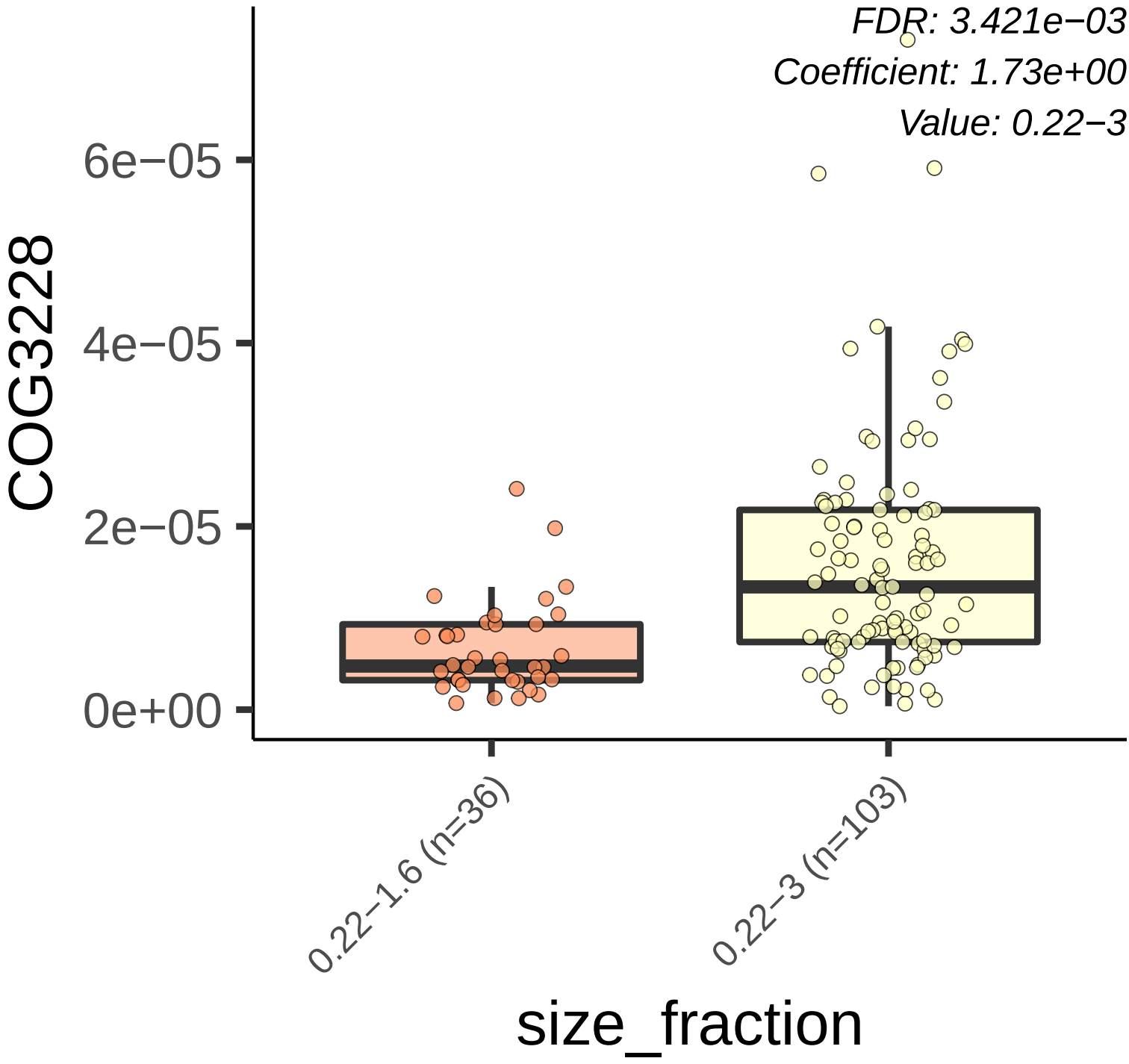

FDR: 2.895e−03
Coefficient: 2.13e+00
Value: 0.22−3
COG0387
2.5e−05
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

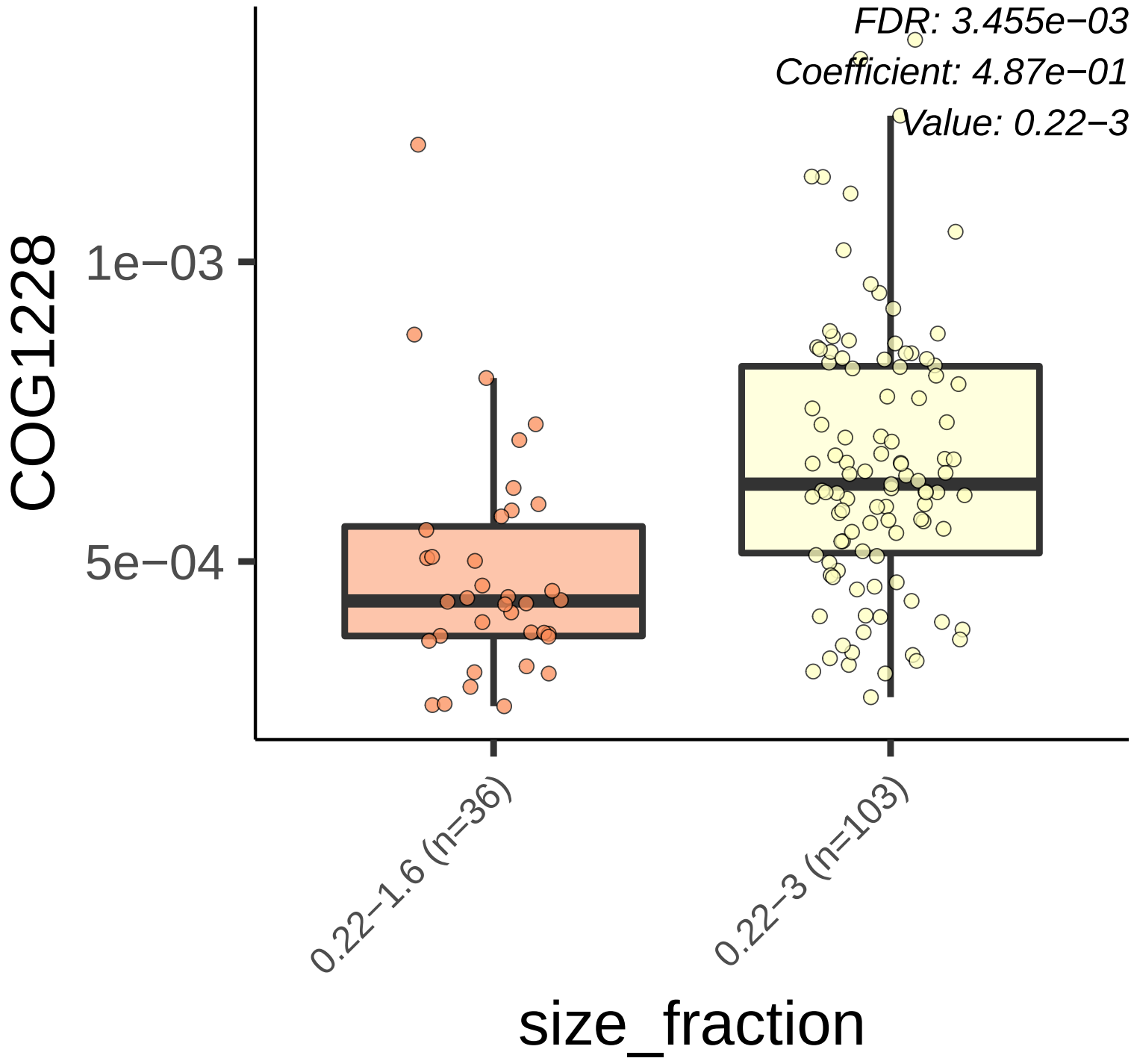

FDR: 3.087e−03
Coefficient: 6.42e−01
Value: 0.22−3
COG4771
5e−04
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

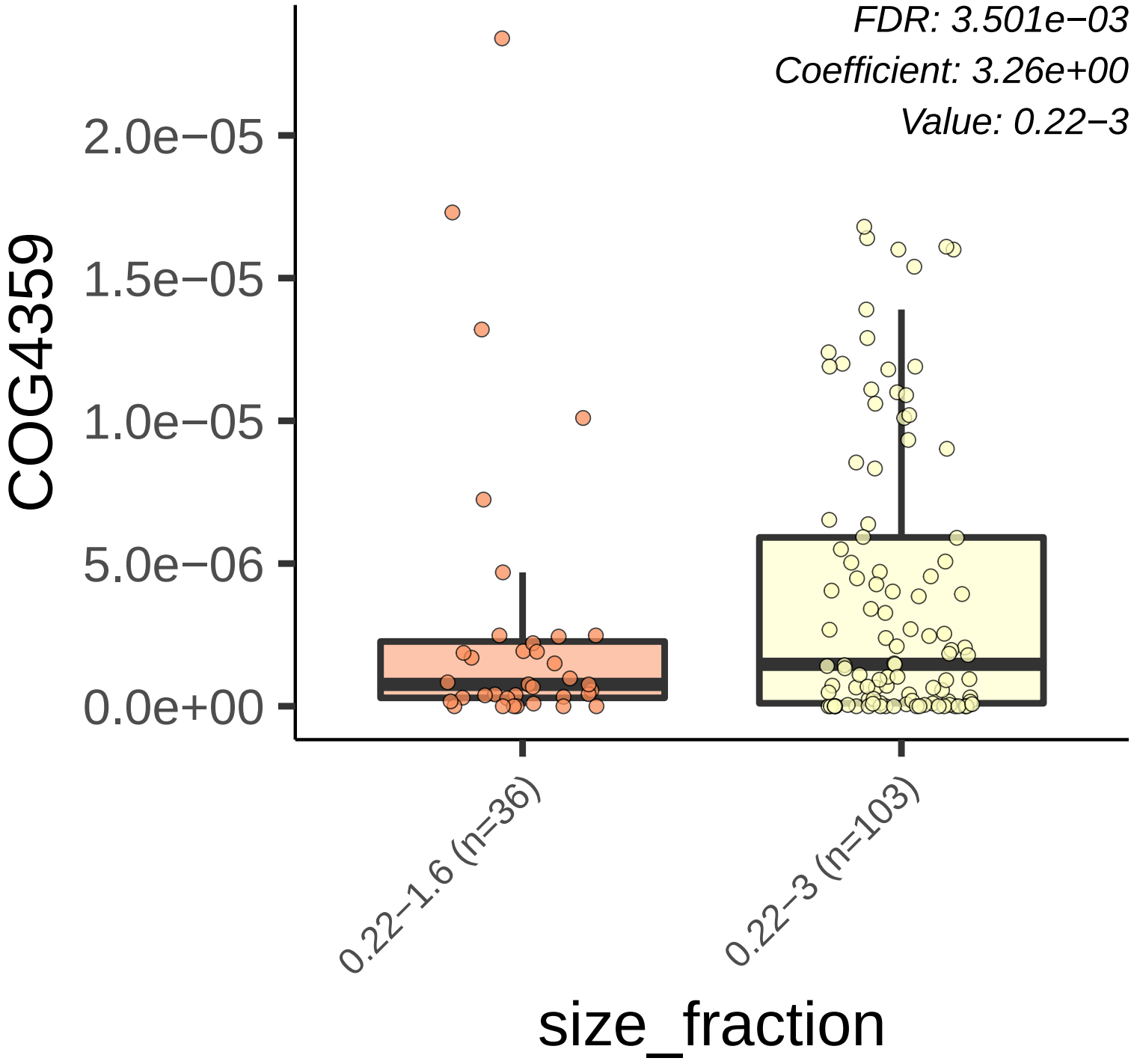

FDR: 3.222e−03
Coefficient: 1.71e+00
Value: 0.22−3
COG4262
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

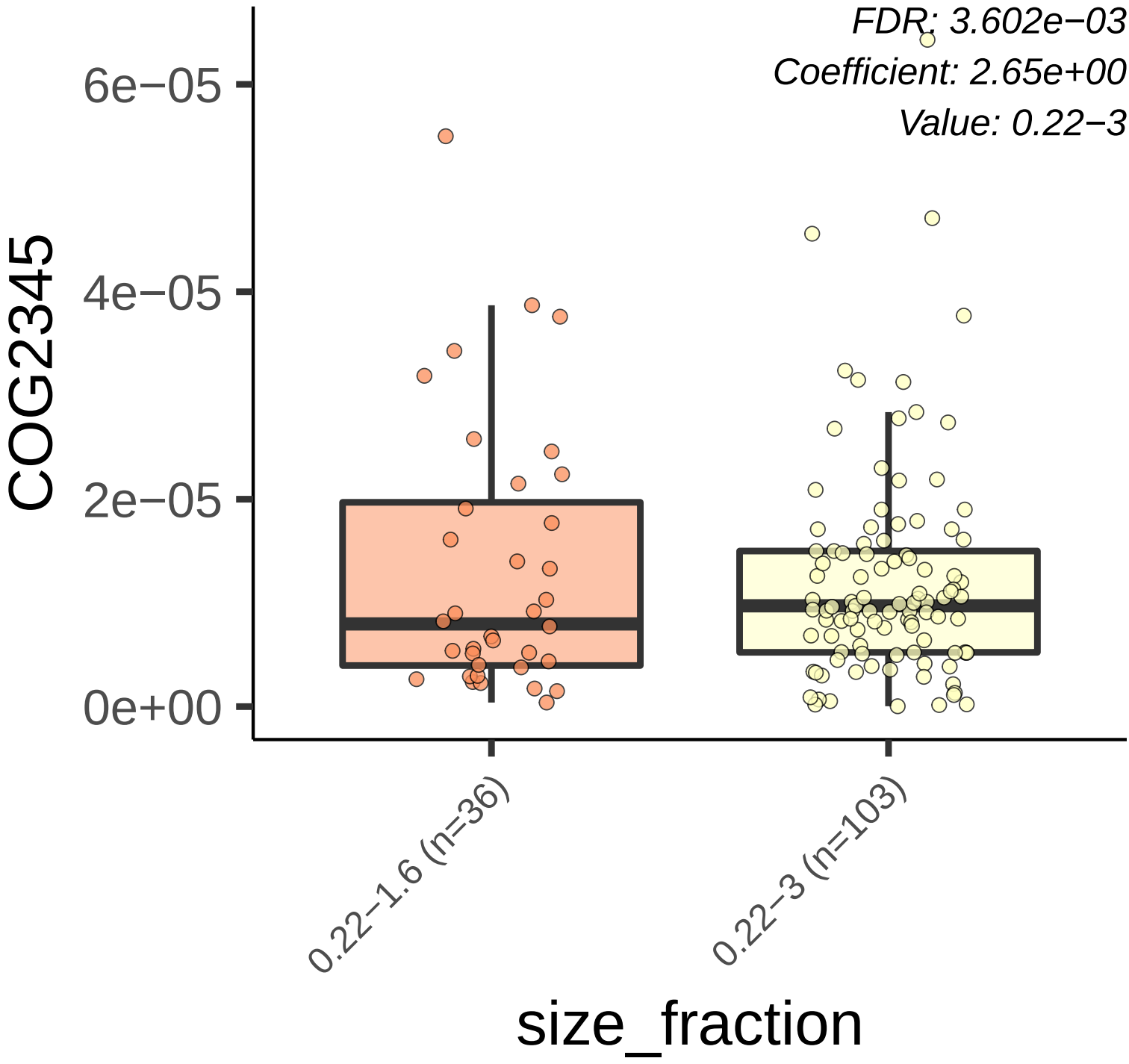

FDR: 3.235e−03
Coefficient: 1.21e+00
Value: 0.22−3
COG4399
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

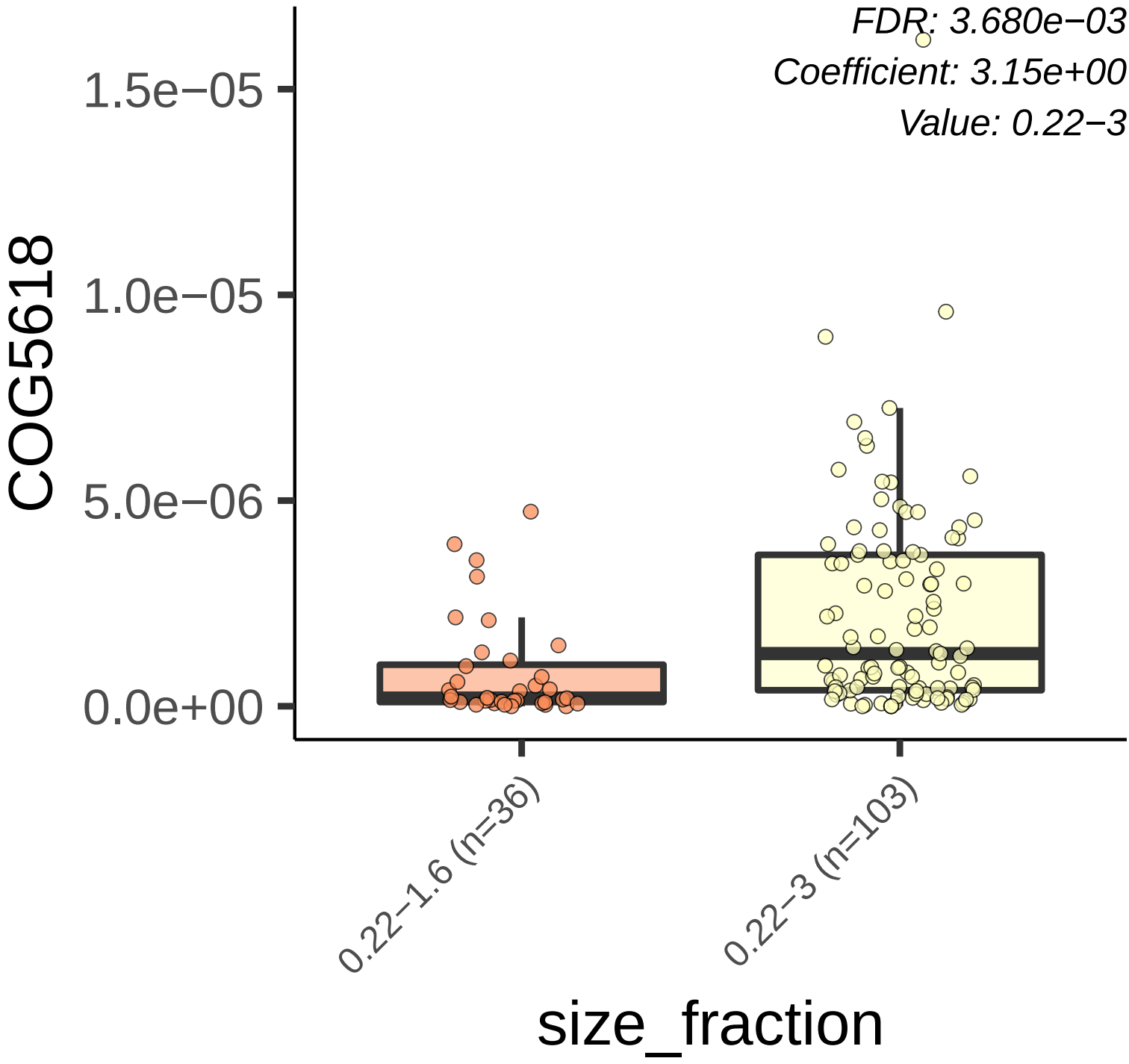

FDR: 3.419e−03
Coefficient: 1.23e+00
Value: 0.22−3
COG0561
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

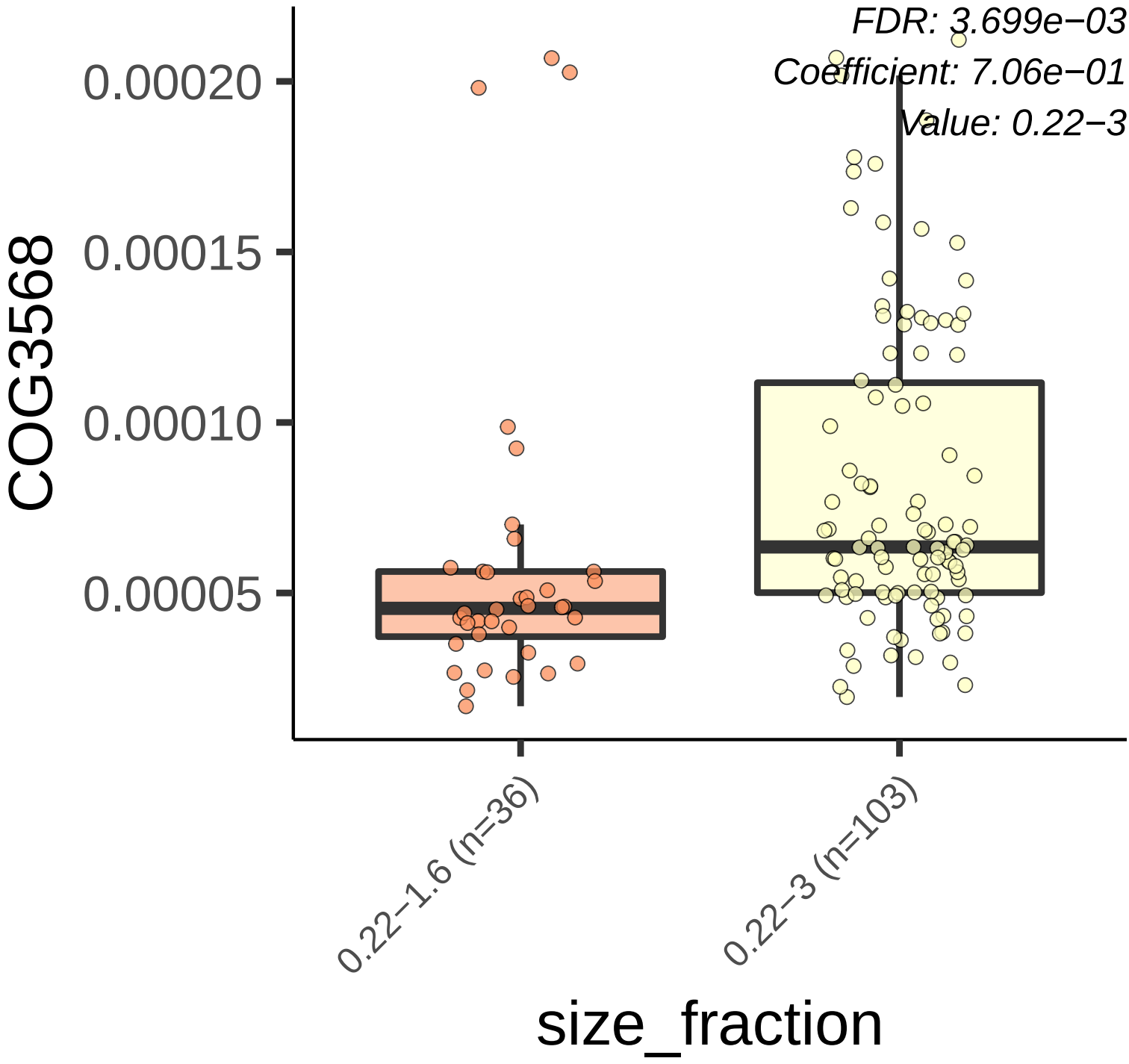

FDR: 3.421e−03
Coefficient: 1.73e+00
Value: 0.22−3
COG3228
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

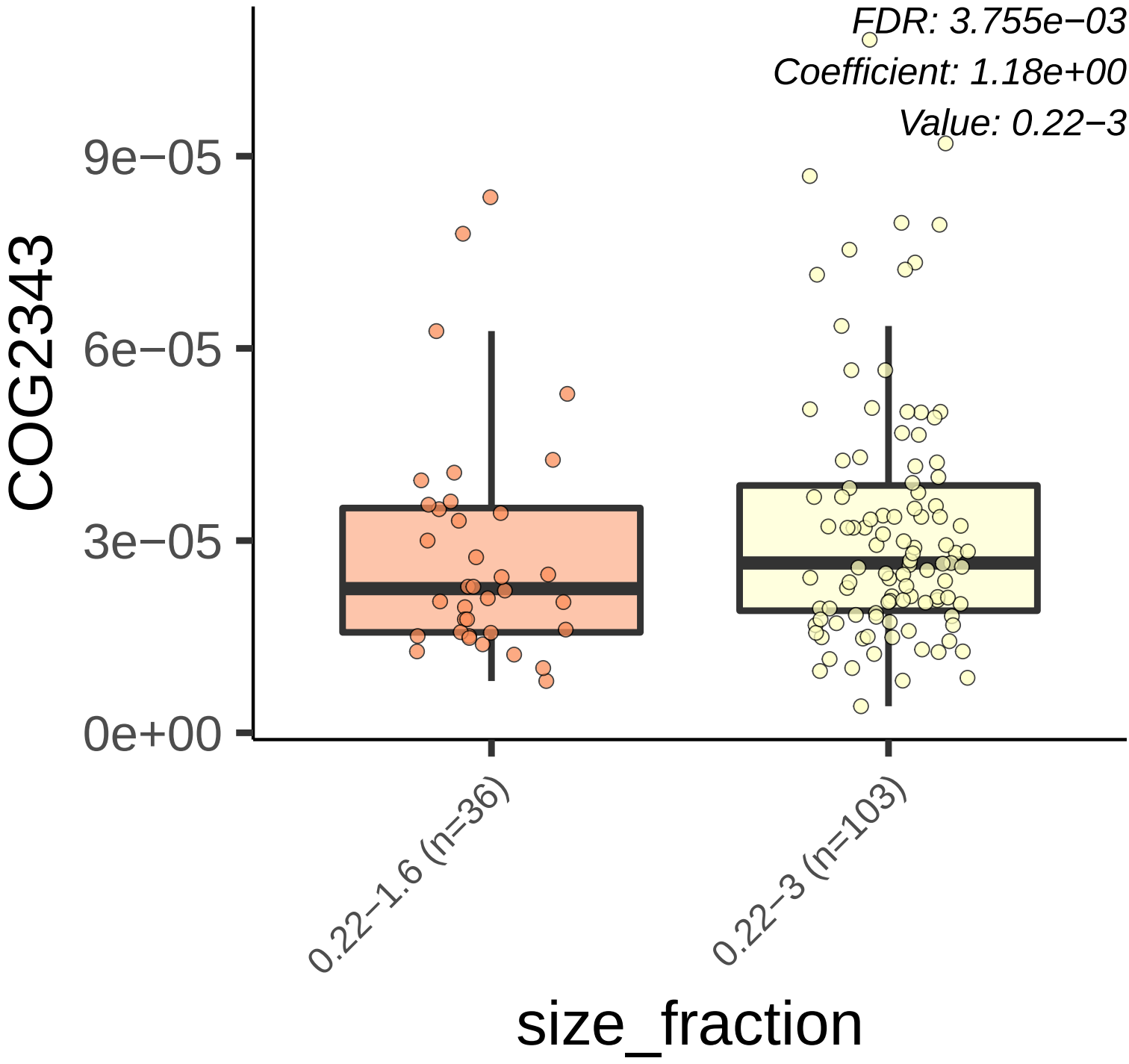

FDR: 3.455e−03
Coefficient: 4.87e−01
Value: 0.22−3
COG1228
1e−03
5e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

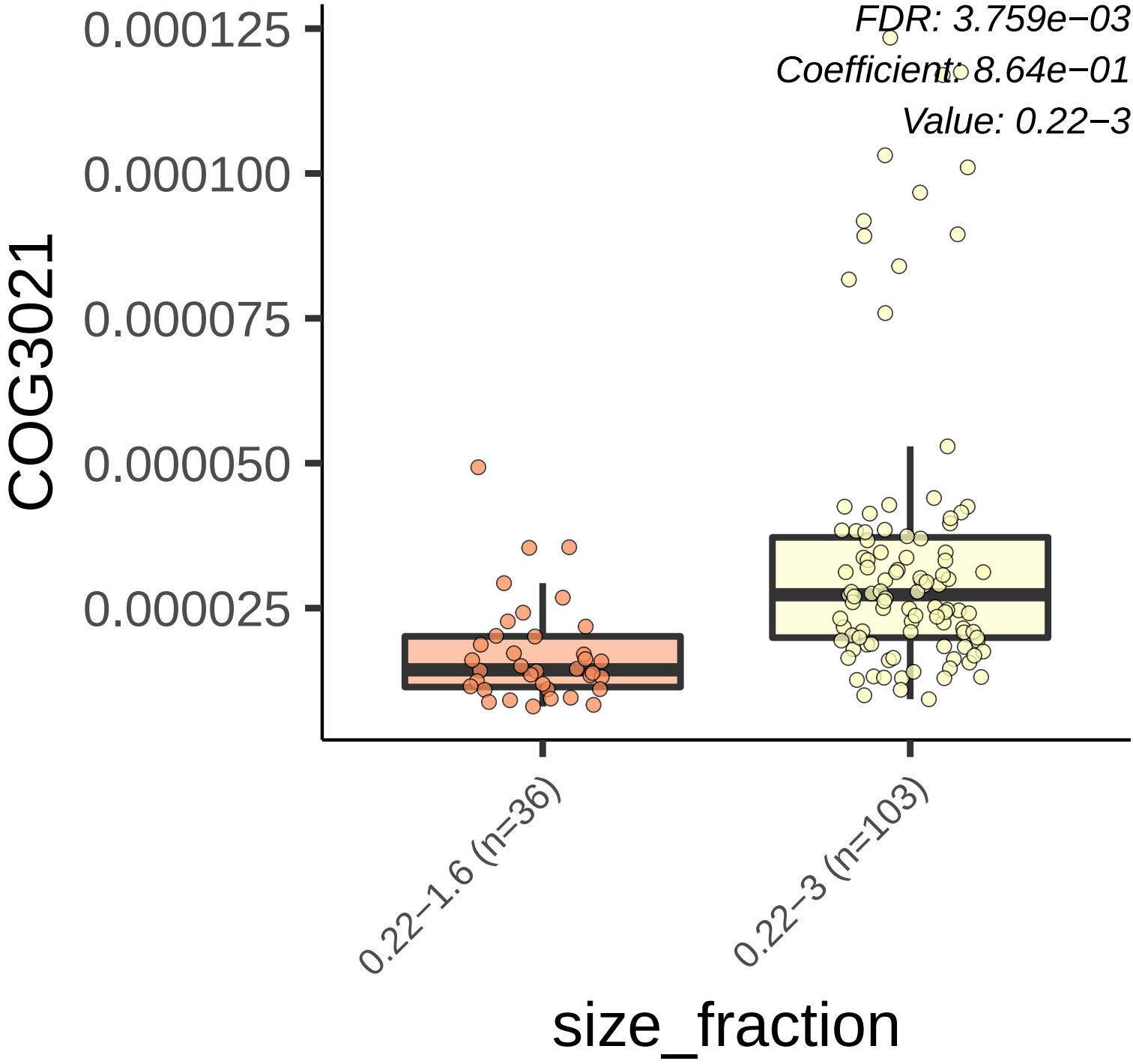

FDR: 3.501e−03
Coefficient: 3.26e+00
Value: 0.22−3
COG4359
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

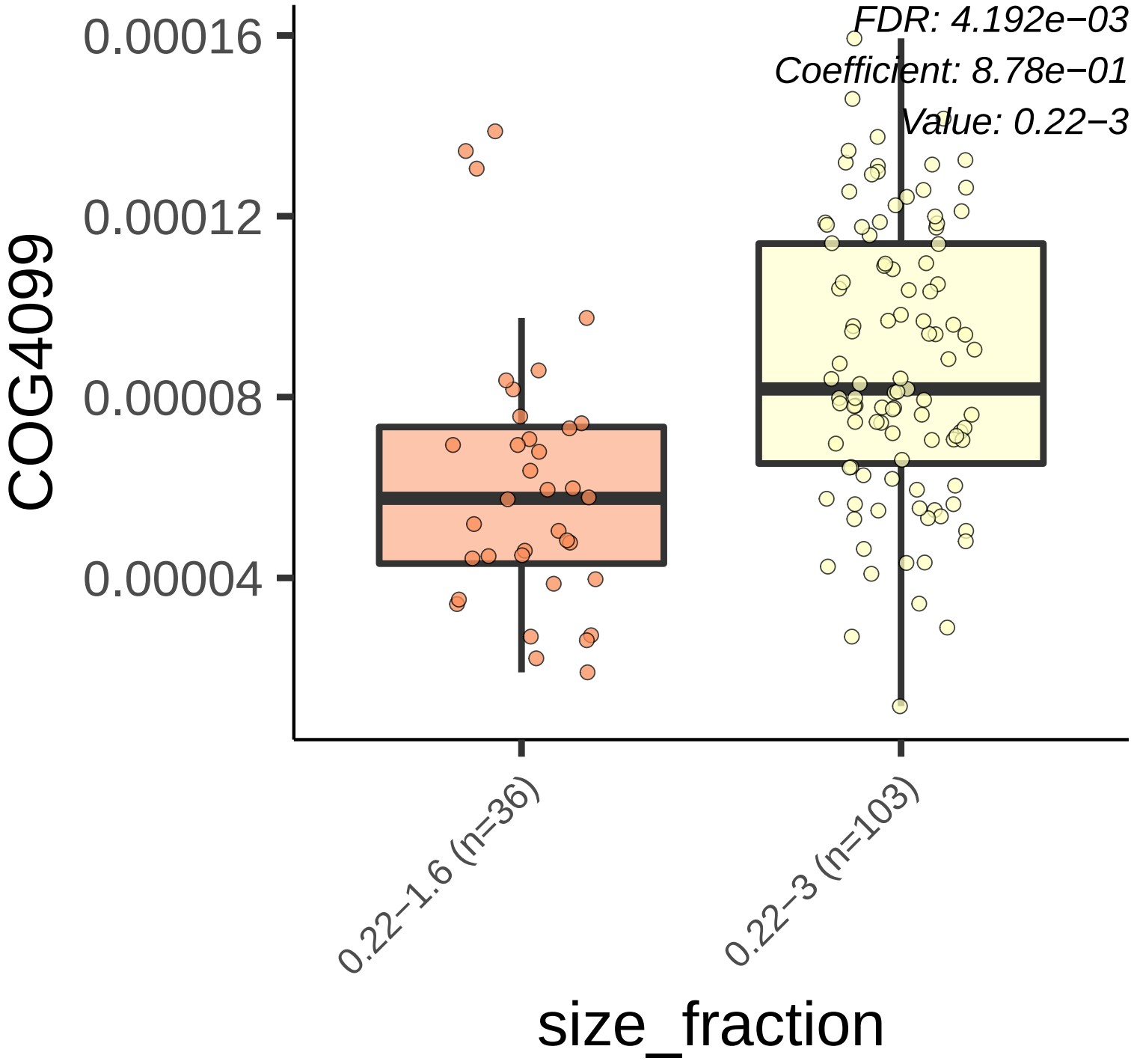

FDR: 3.602e−03
Coefficient: 2.65e+00
Value: 0.22−3
COG2345
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

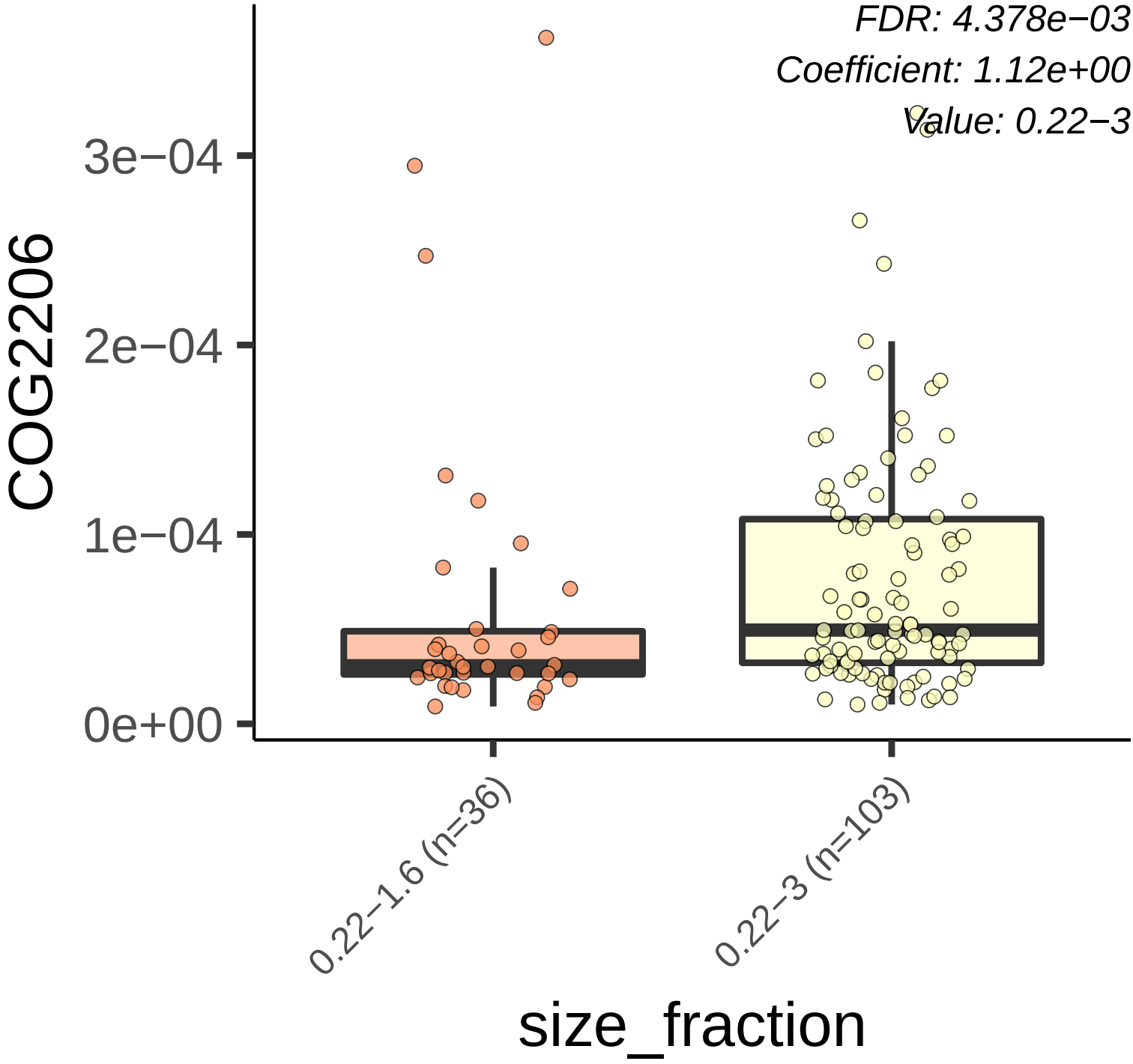

FDR: 3.680e−03
Coefficient: 3.15e+00
Value: 0.22−3
COG5618
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

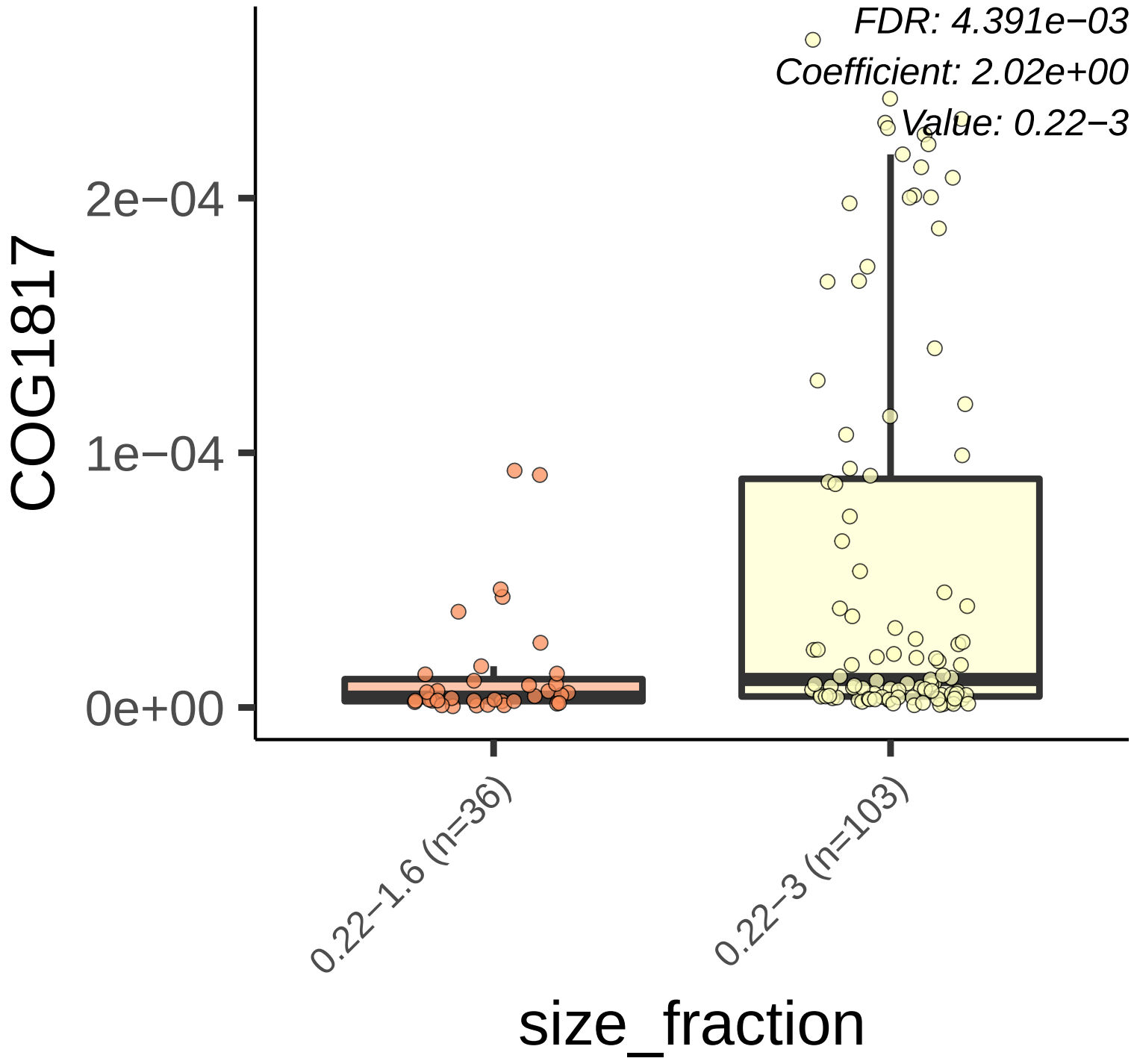

FDR: 3.699e−03
Coefficient: 7.06e−01
Value: 0.22−3
COG3568
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

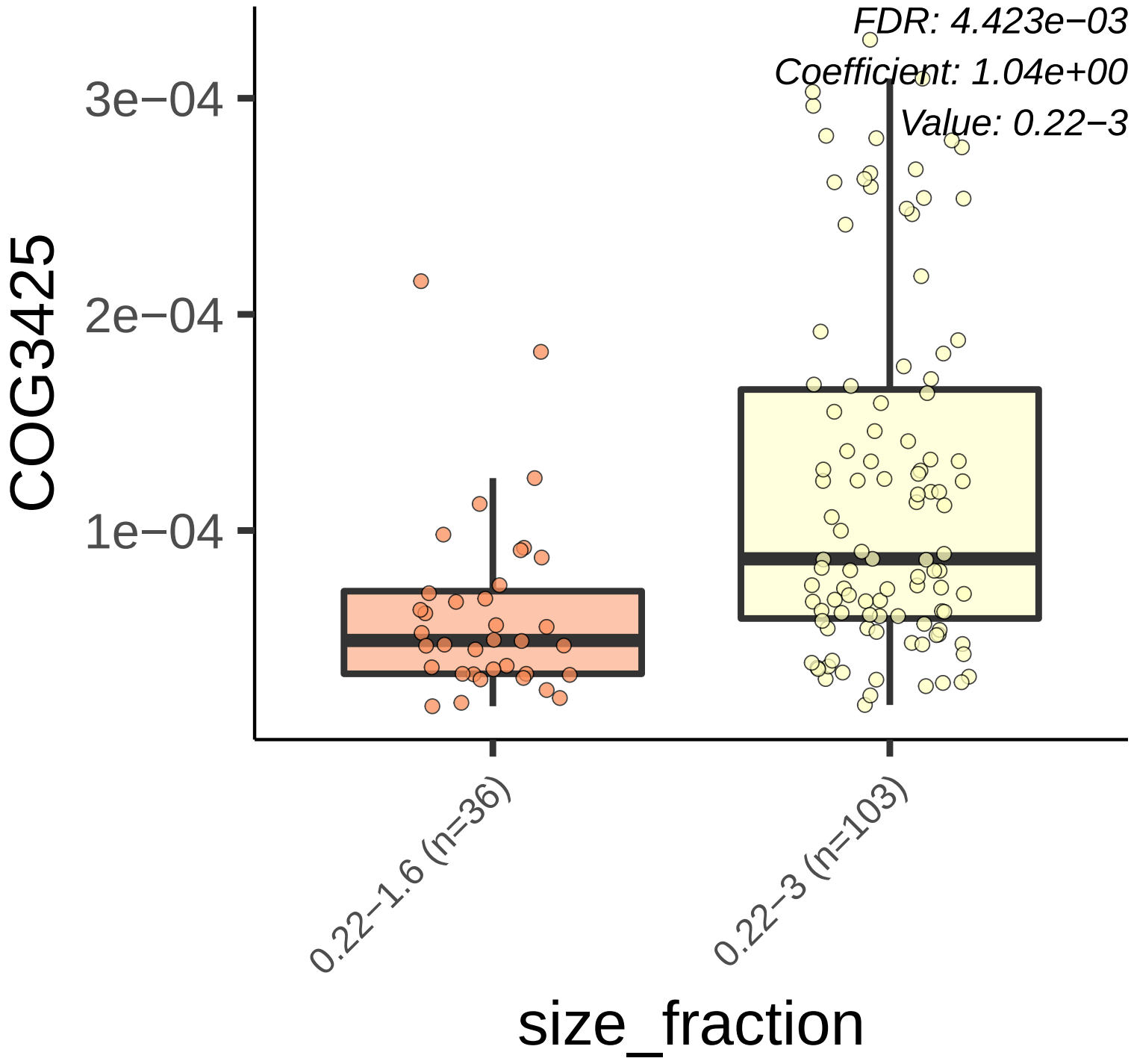

FDR: 3.755e−03
Coefficient: 1.18e+00
Value: 0.22−3
COG2343
9e−05
6e−05
3e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

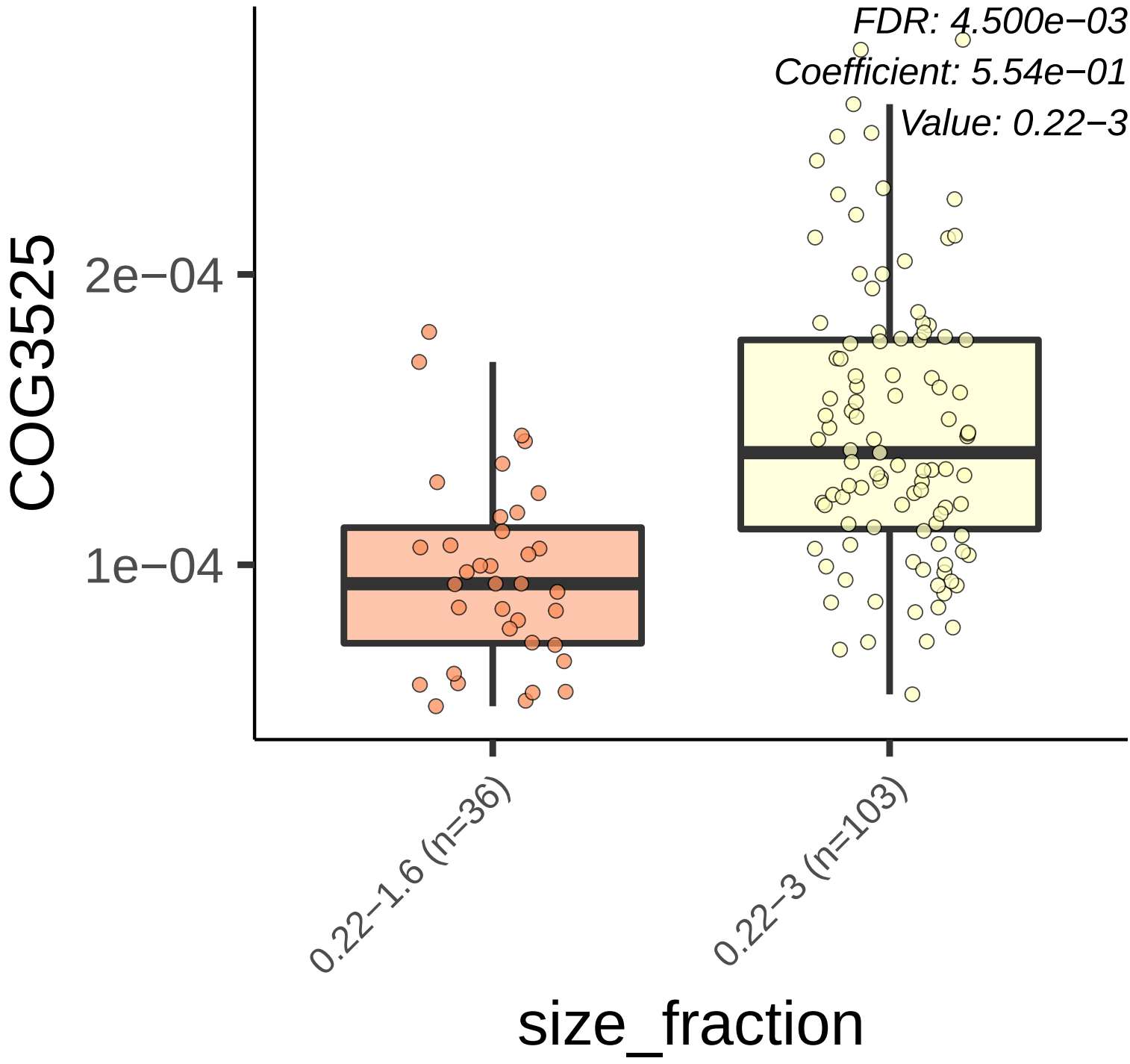

FDR: 3.759e−03
Coefficient: 8.64e−01
Value: 0.22−3
0.000125
0.000100
0.000075
0.000050
0.000025
COG3021
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

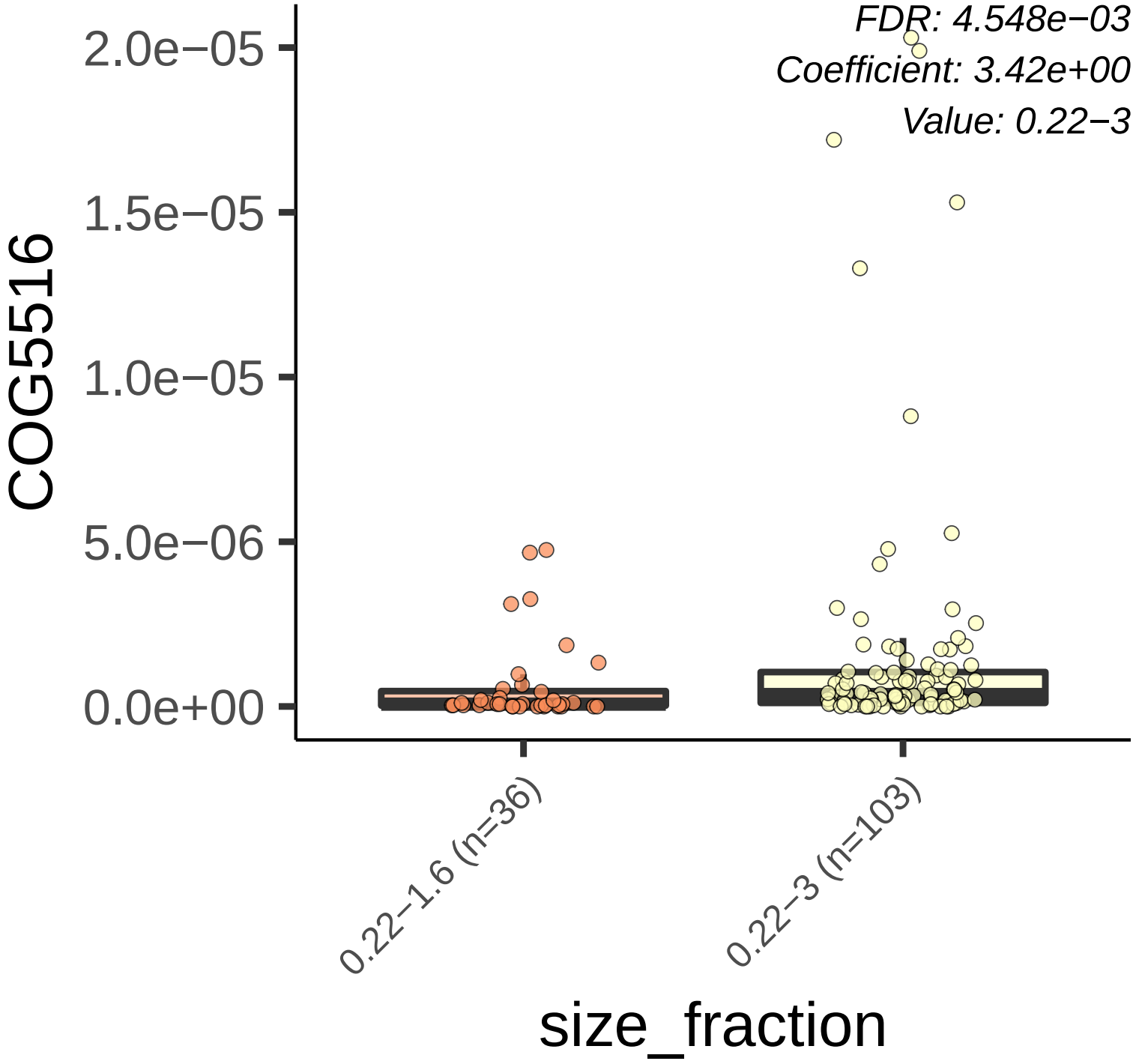

FDR: 4.192e−03
Coefficient: 8.78e−01
Value: 0.22−3
0.00016
0.00012
0.00008
0.00004
COG4099
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

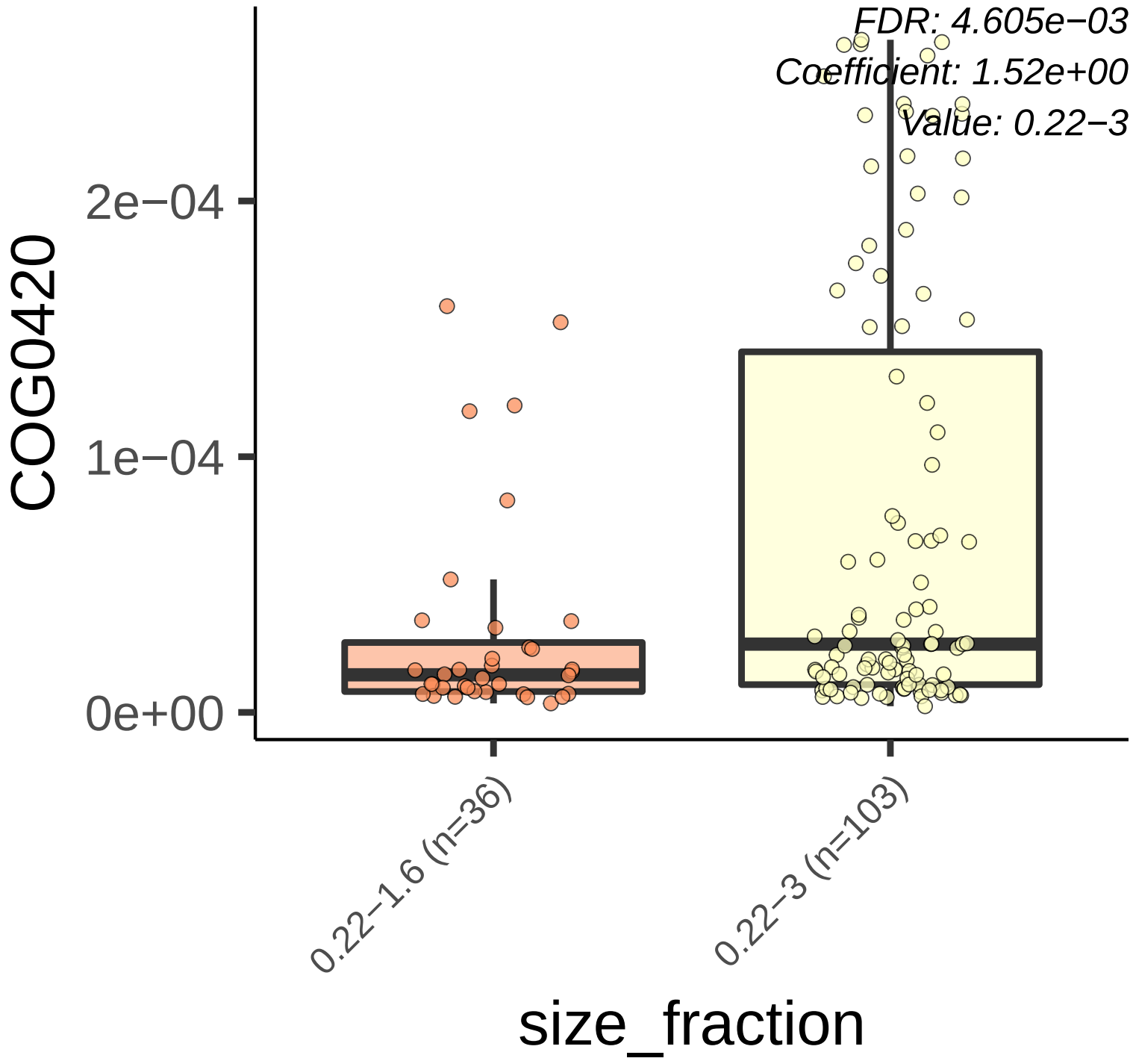

FDR: 4.378e−03
Coefficient: 1.12e+00
Value: 0.22−3
COG2206
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

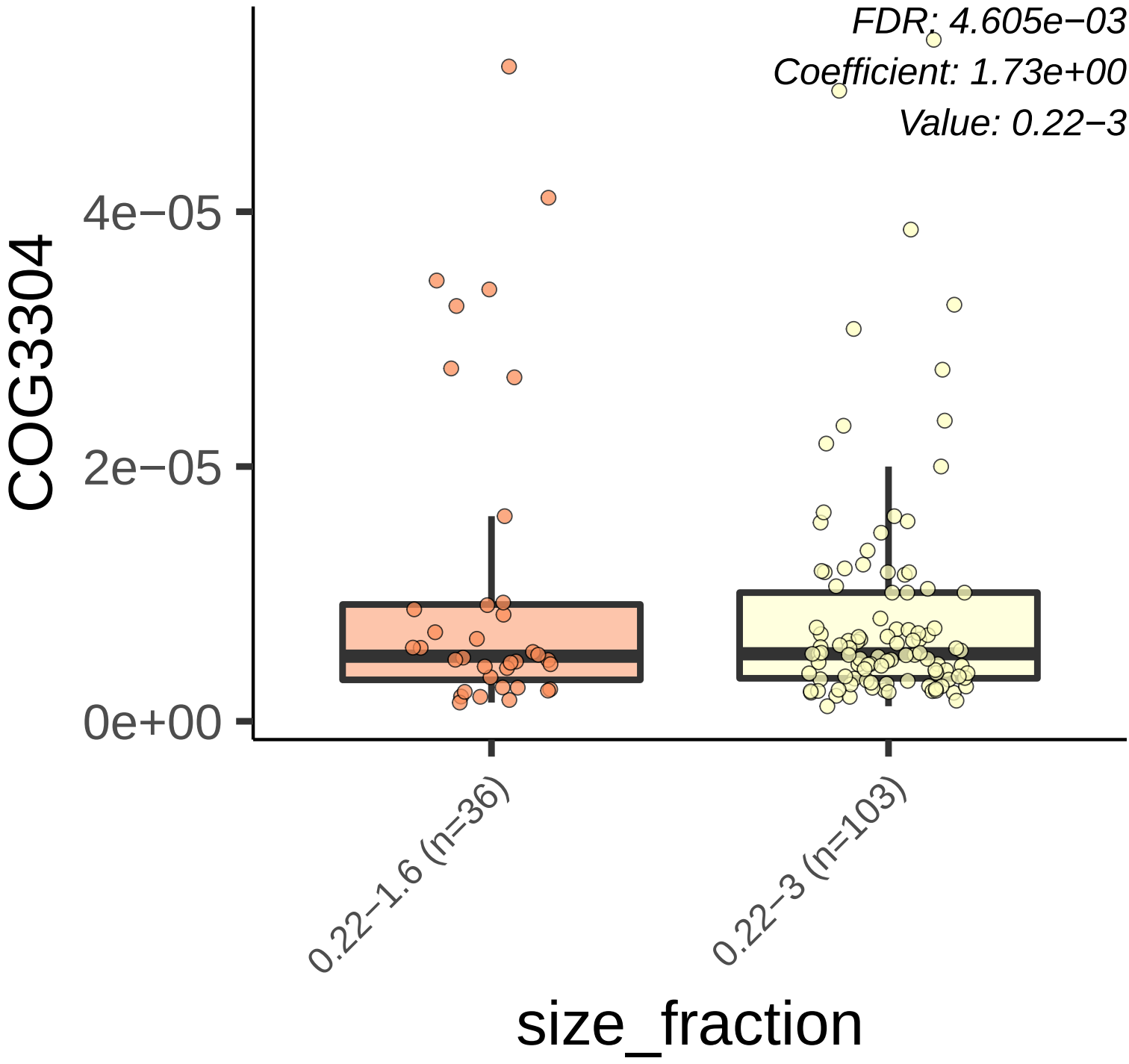

FDR: 4.391e−03
Coefficient: 2.02e+00
Value: 0.22−3
COG1817
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

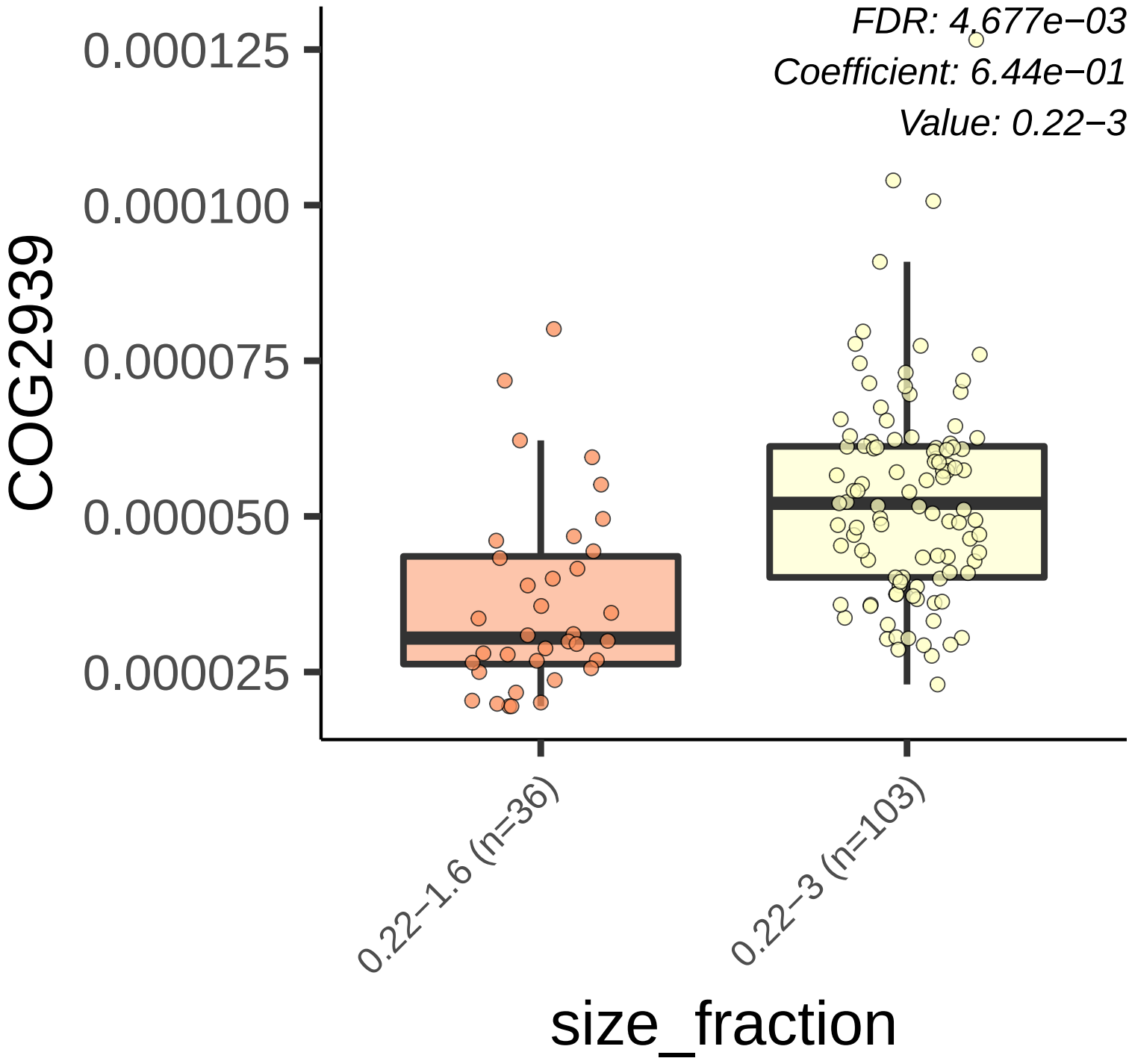

FDR: 4.423e−03
Coefficient: 1.04e+00
Value: 0.22−3
COG3425
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

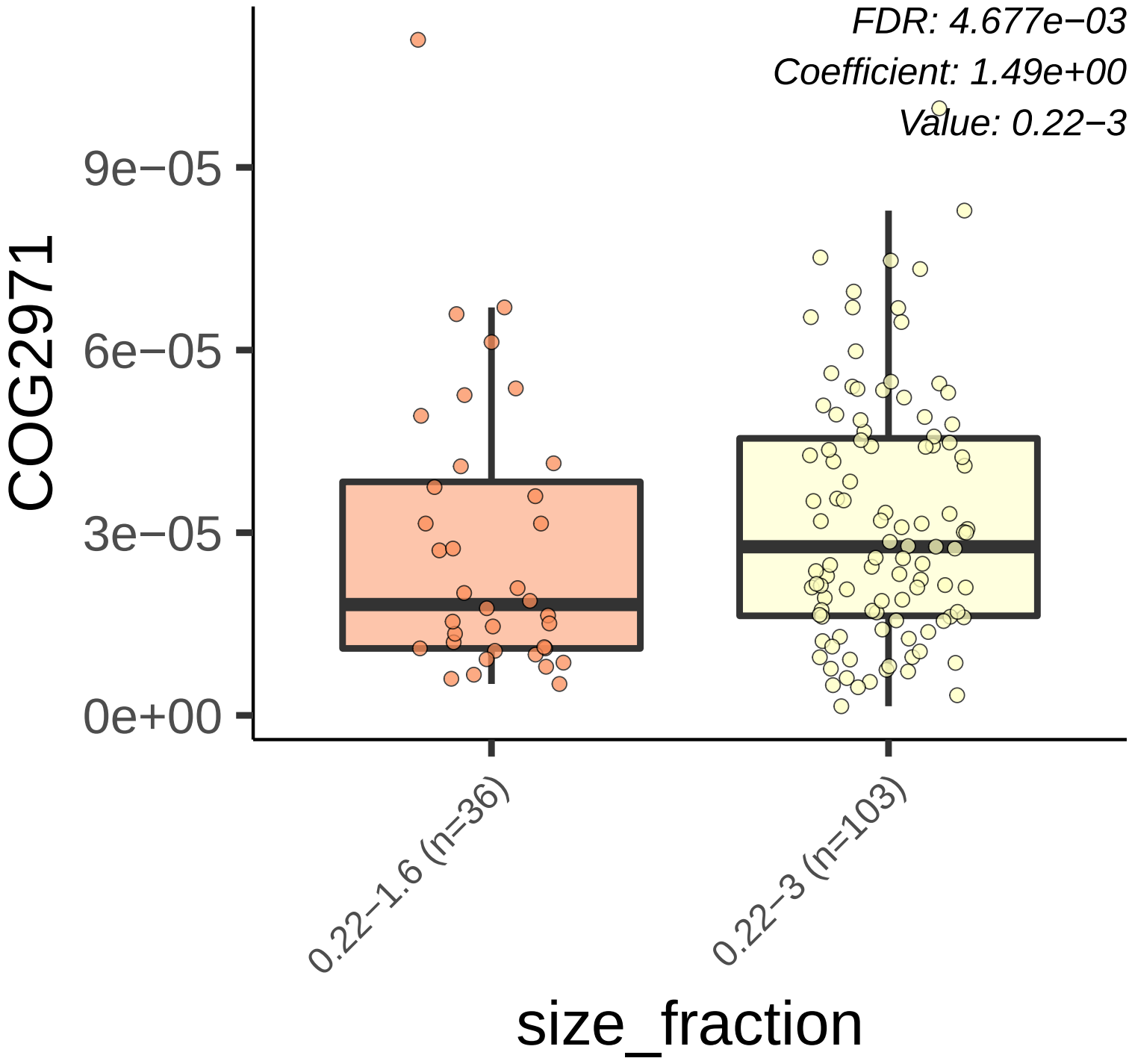

FDR: 4.500e−03
Coefficient: 5.54e−01
Value: 0.22−3
COG3525
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

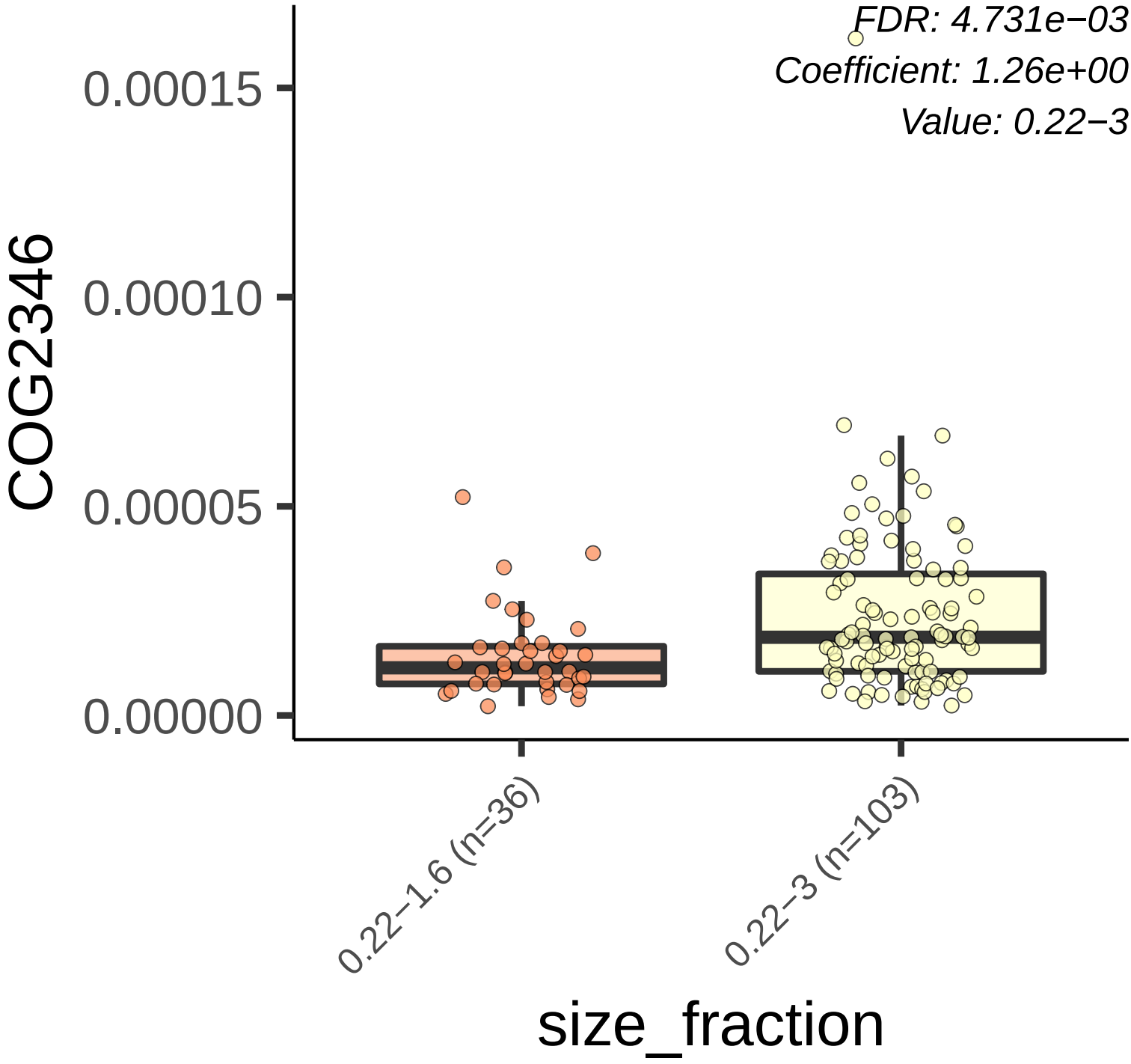

FDR: 4.548e−03
Coefficient: 3.42e+00
Value: 0.22−3
COG5516
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

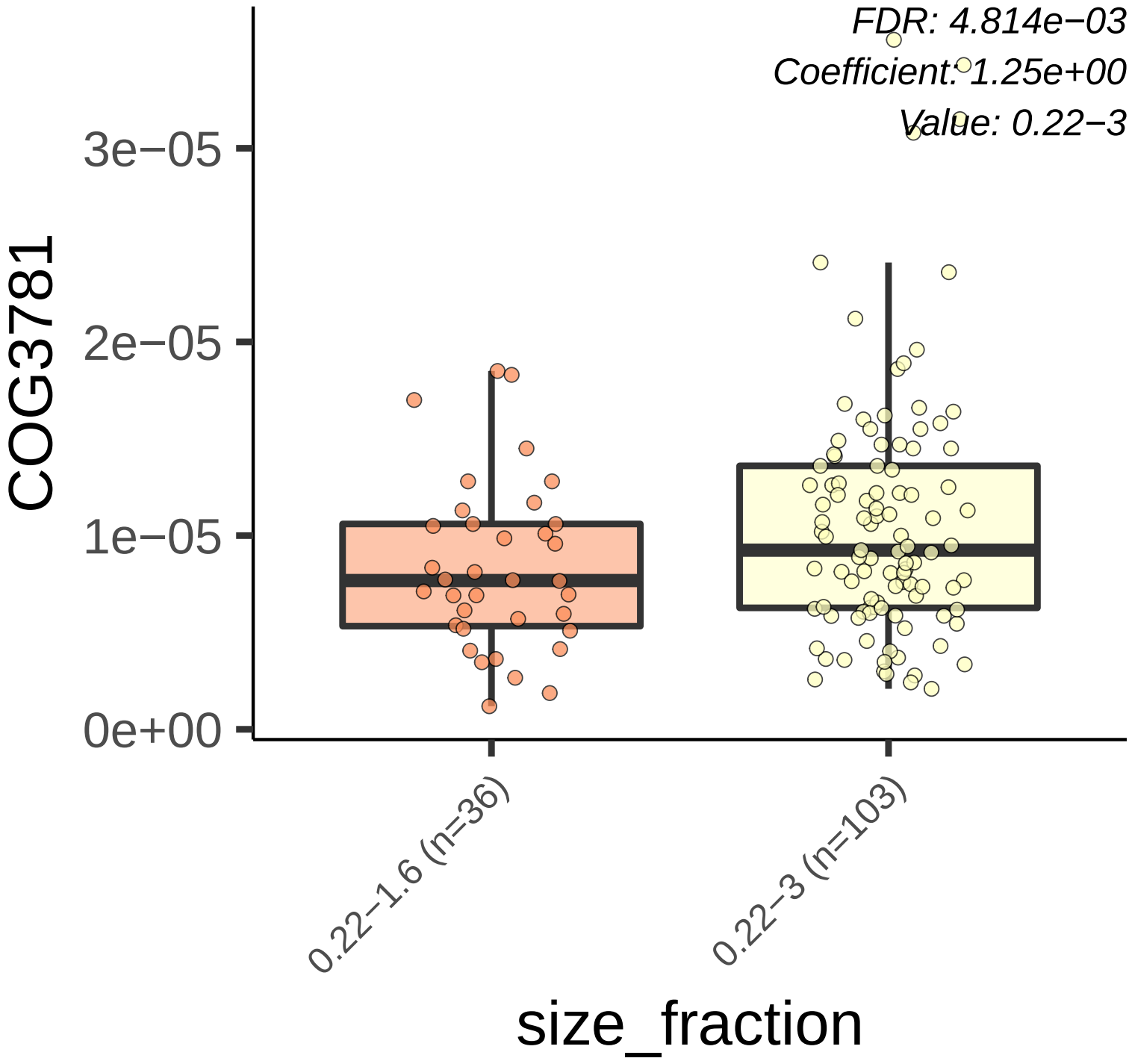

FDR: 4.605e−03
Coefficient: 1.52e+00
Value: 0.22−3
COG0420
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

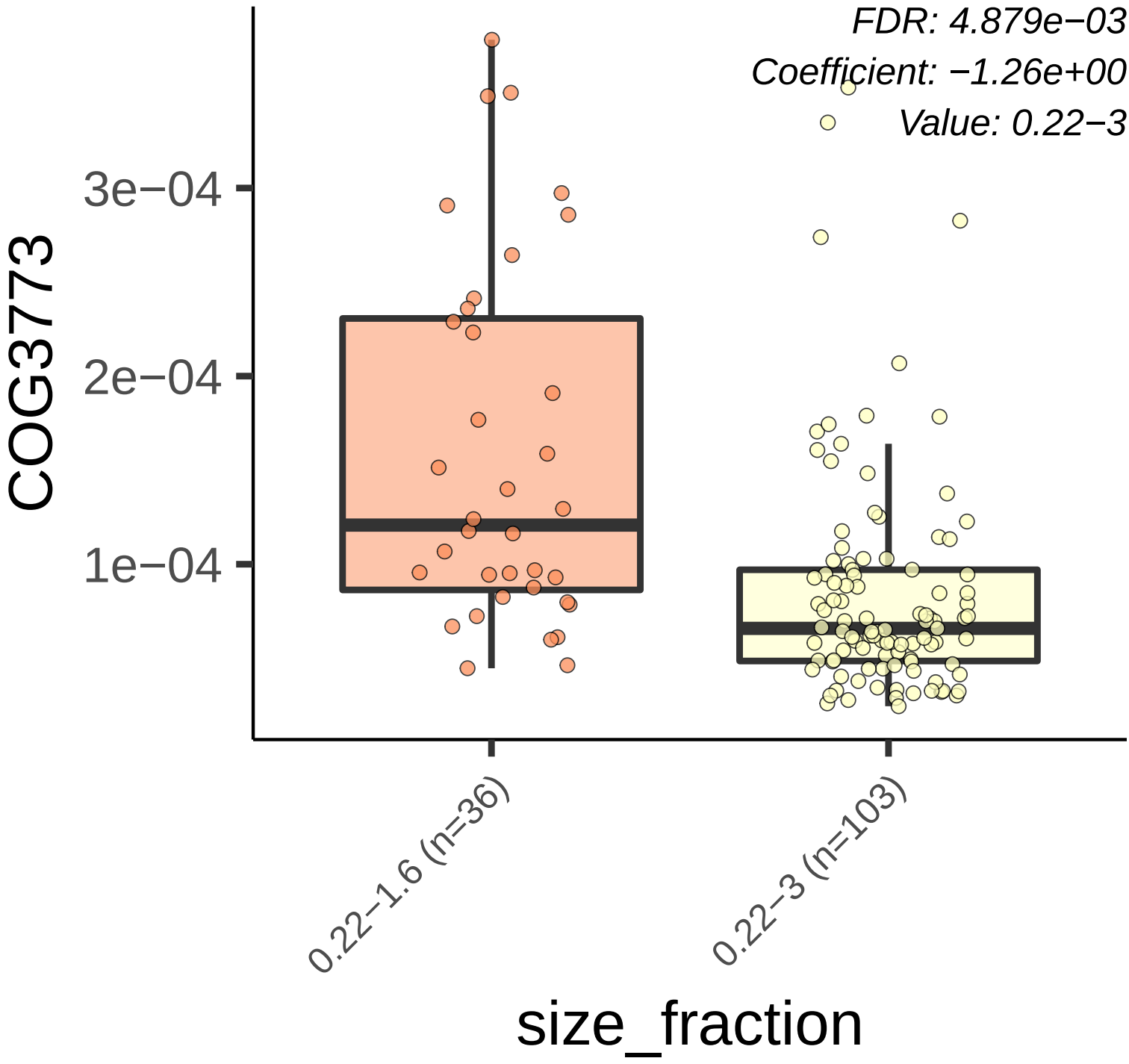

FDR: 4.605e−03
Coefficient: 1.73e+00
Value: 0.22−3
COG3304
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

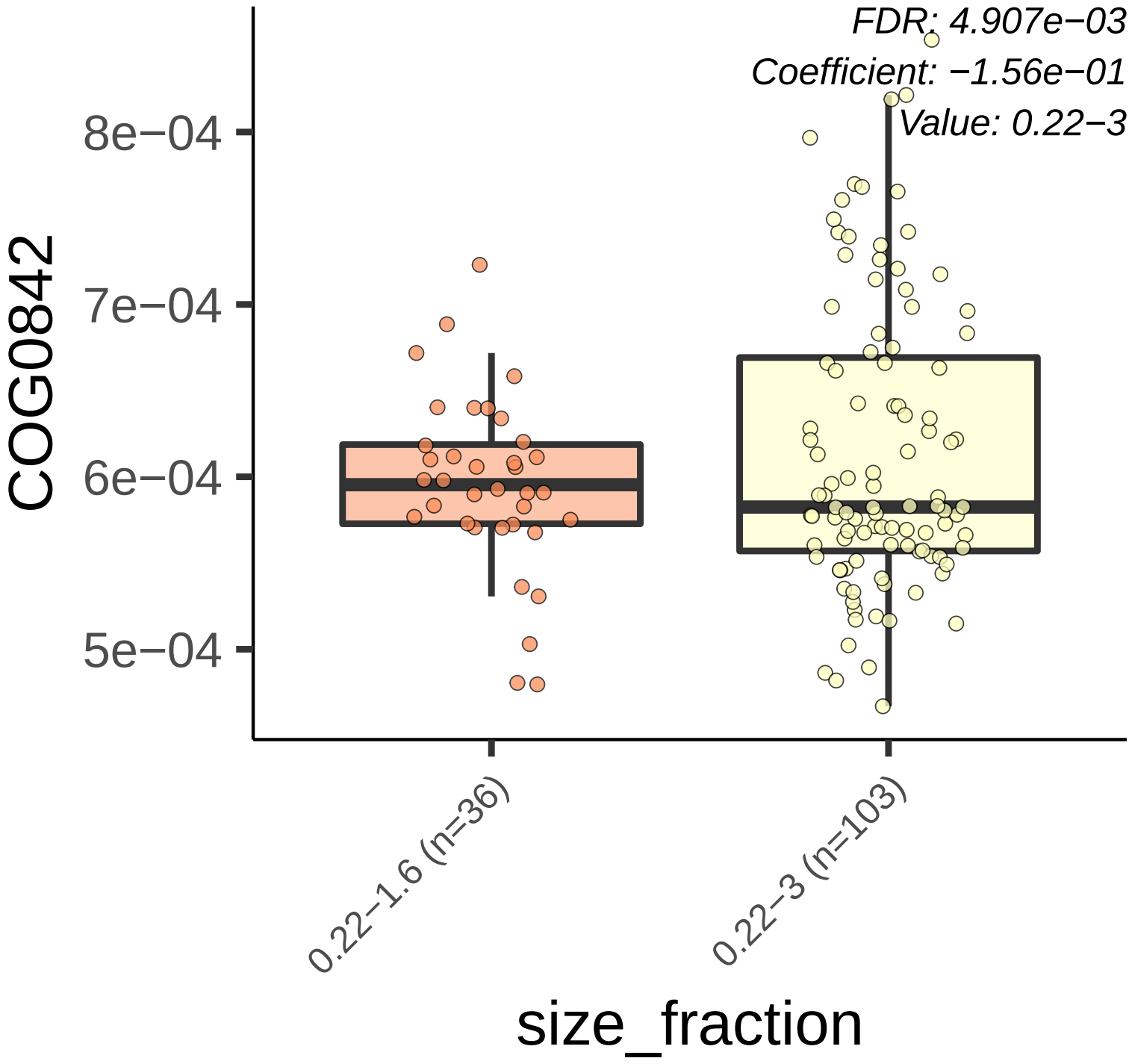

FDR: 4.677e−03
Coefficient: 6.44e−01
Value: 0.22−3
COG2939
0.000125
0.000100
0.000075
0.000050
0.000025
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

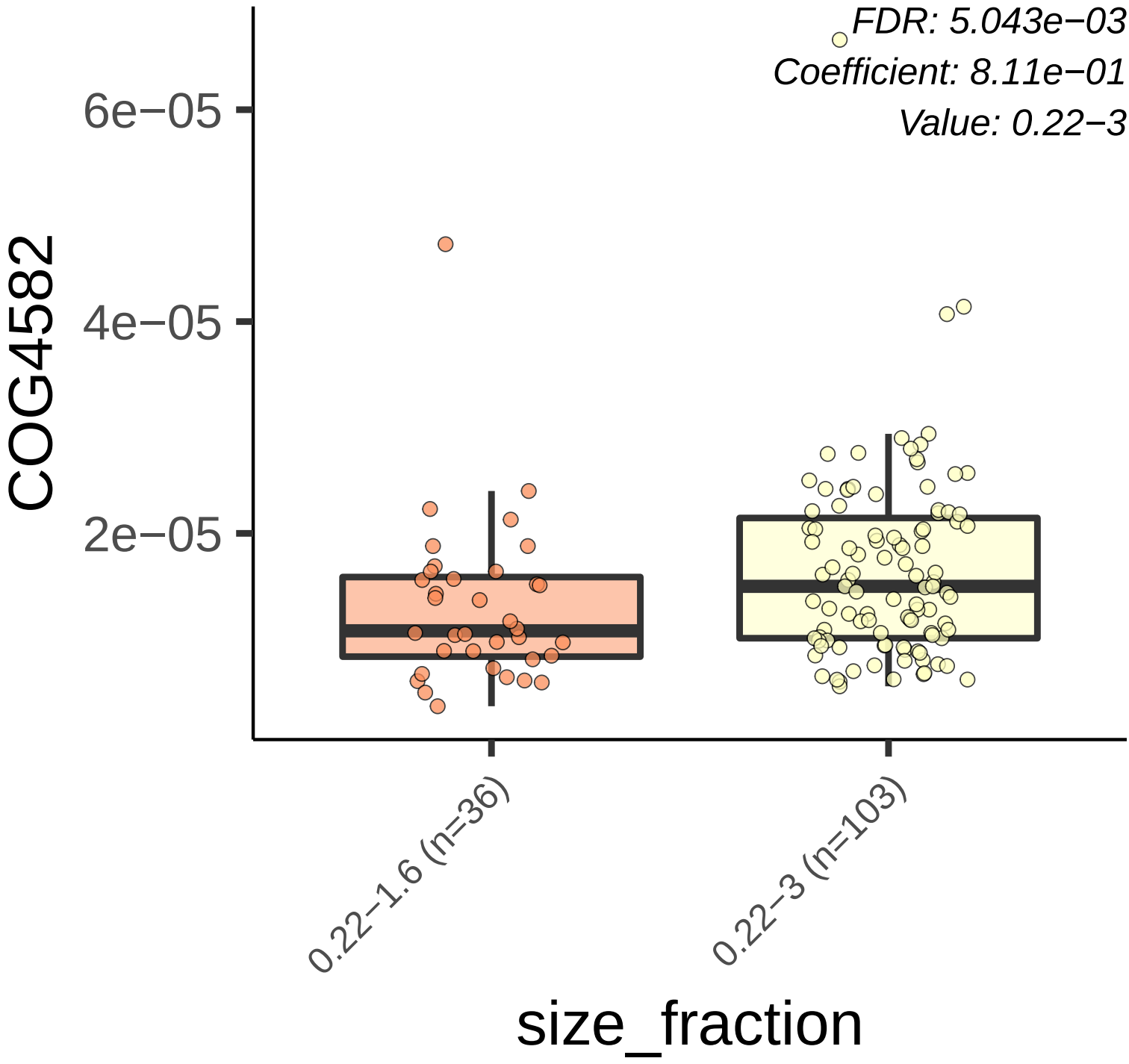

FDR: 4.677e−03
Coefficient: 1.49e+00
Value: 0.22−3
COG2971
9e−05
6e−05
3e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

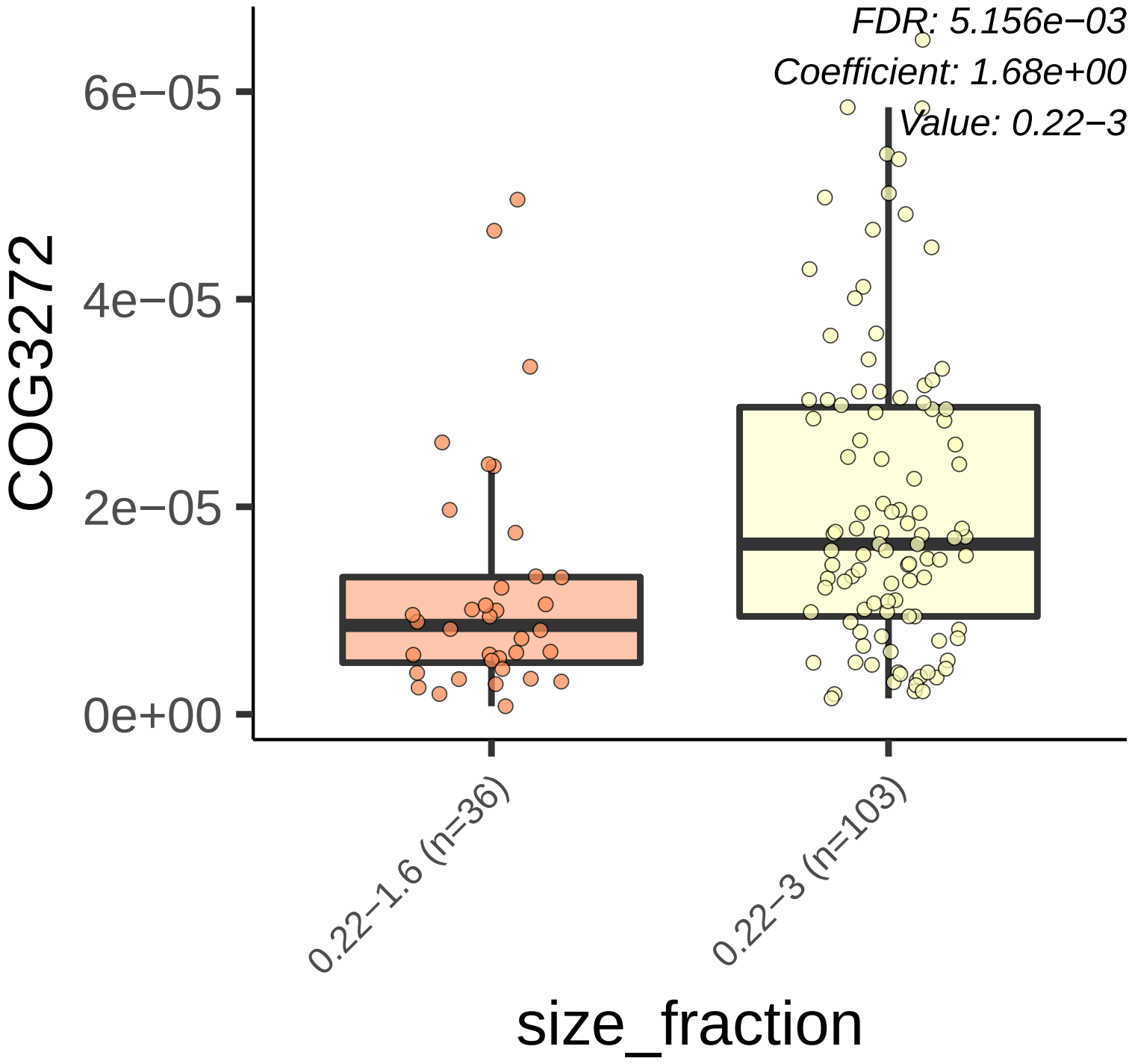

FDR: 4.731e−03
Coefficient: 1.26e+00
Value: 0.22−3
COG2346
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

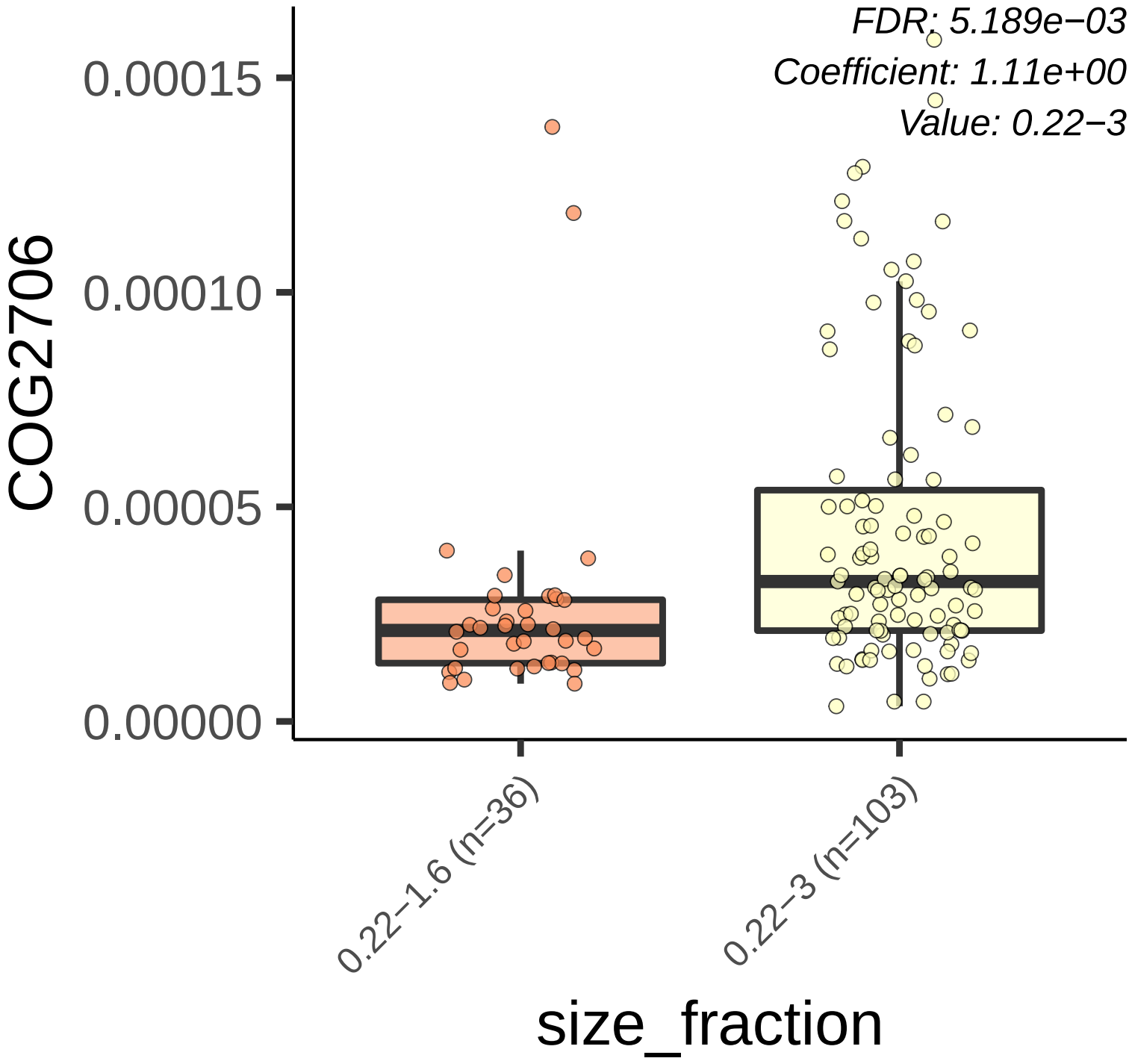

FDR: 4.814e−03
Coefficient: 1.25e+00
Value: 0.22−3
COG3781
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

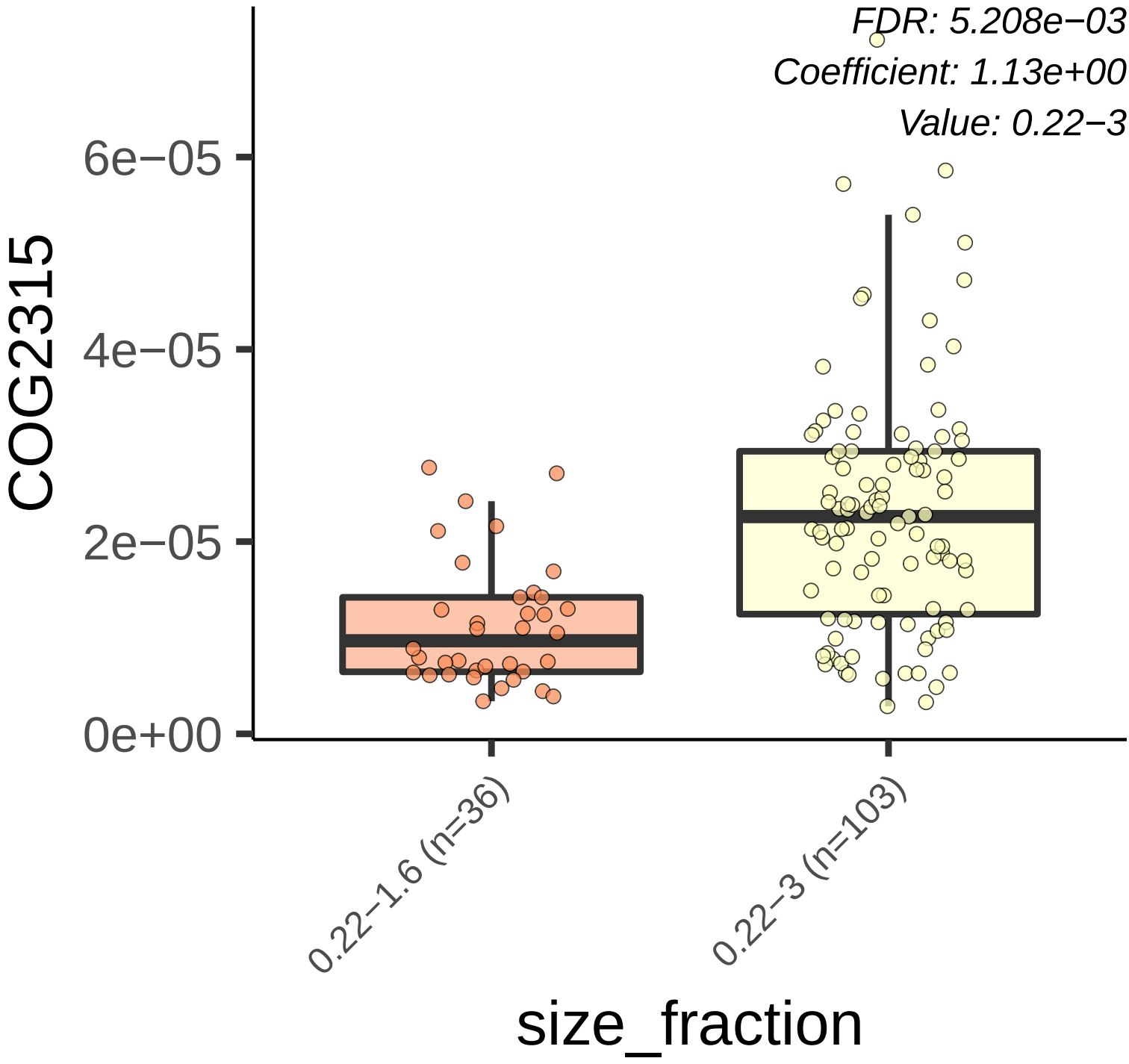

FDR: 4.879e−03
Coefficient: −1.26e+00
Value: 0.22−3
COG3773
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

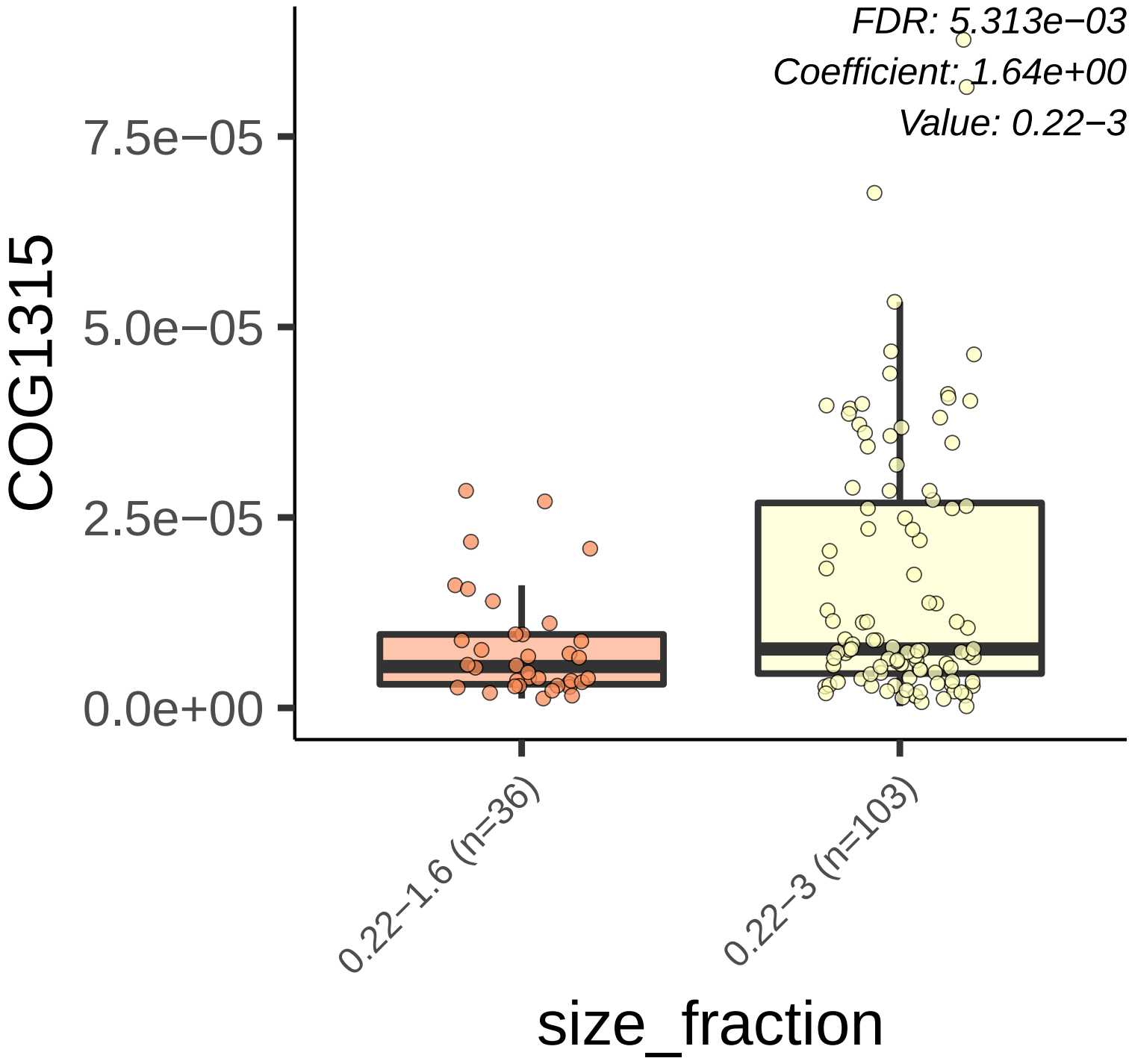

FDR: 4.907e−03
Coefficient: −1.56e−01
Value: 0.22−3
COG0842
8e−04
7e−04
6e−04
5e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

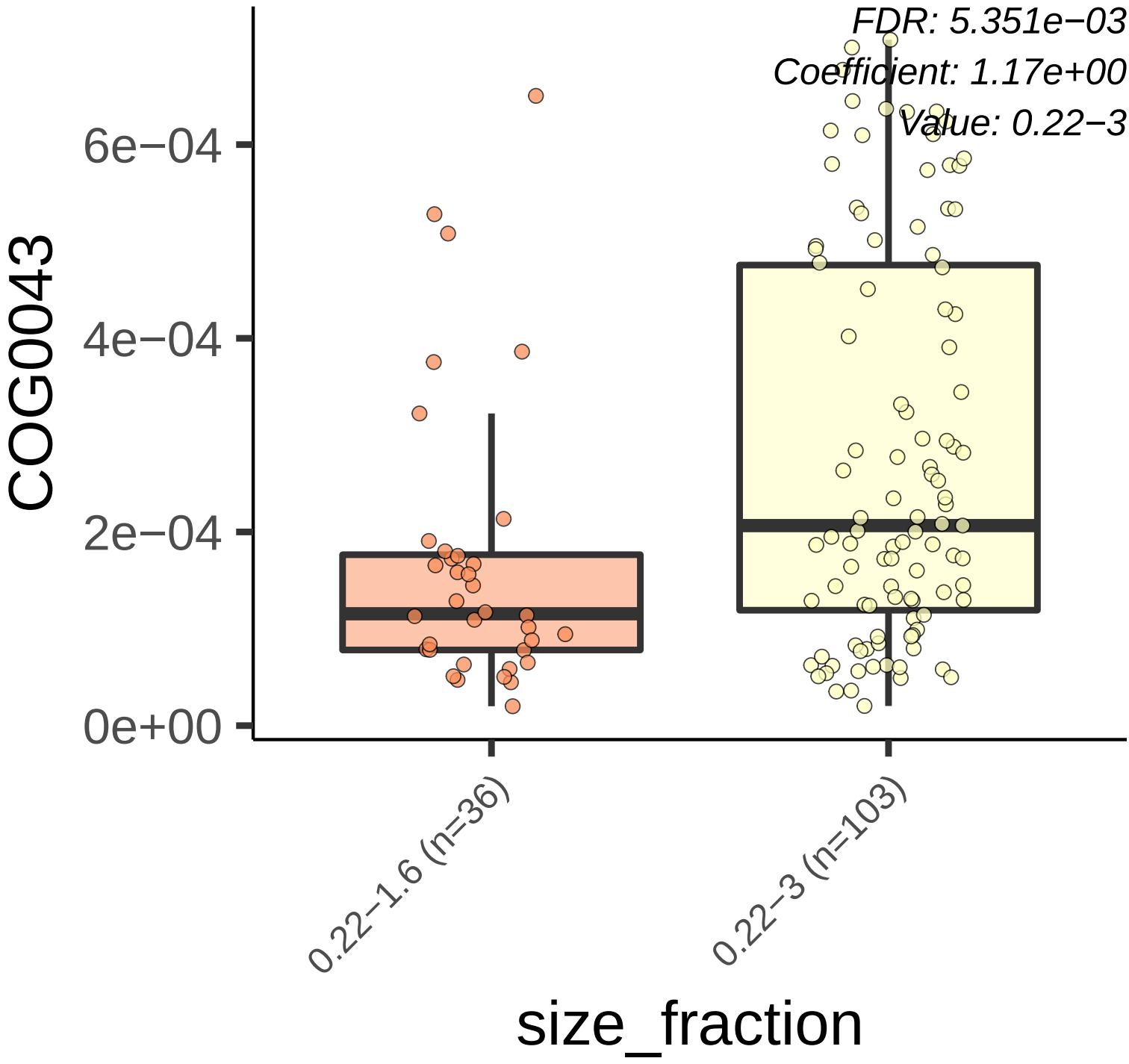

FDR: 5.043e−03
Coefficient: 8.11e−01
Value: 0.22−3
COG4582
6e−05
4e−05
2e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

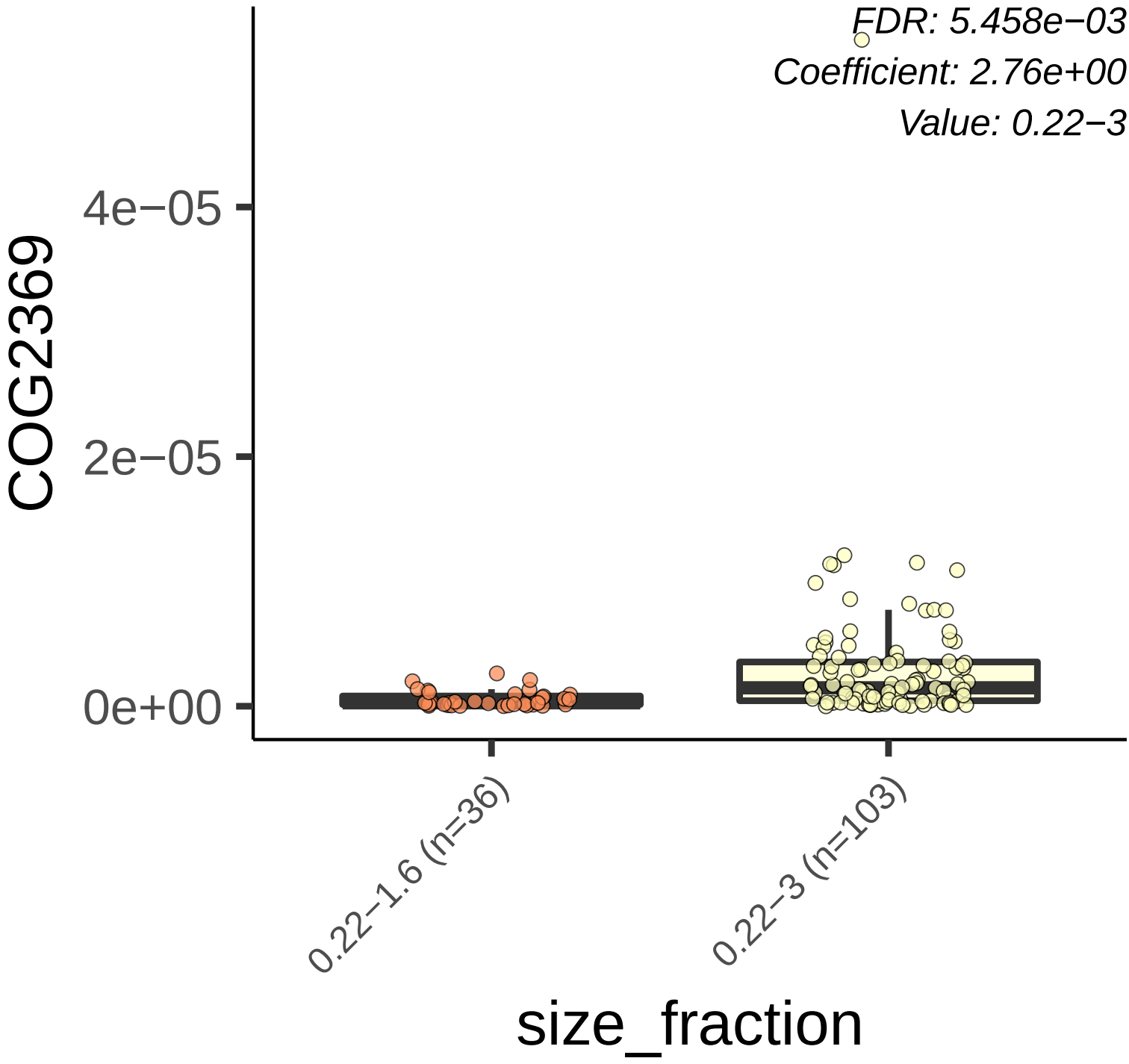

FDR: 5.156e−03
Coefficient: 1.68e+00
Value: 0.22−3
COG3272
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

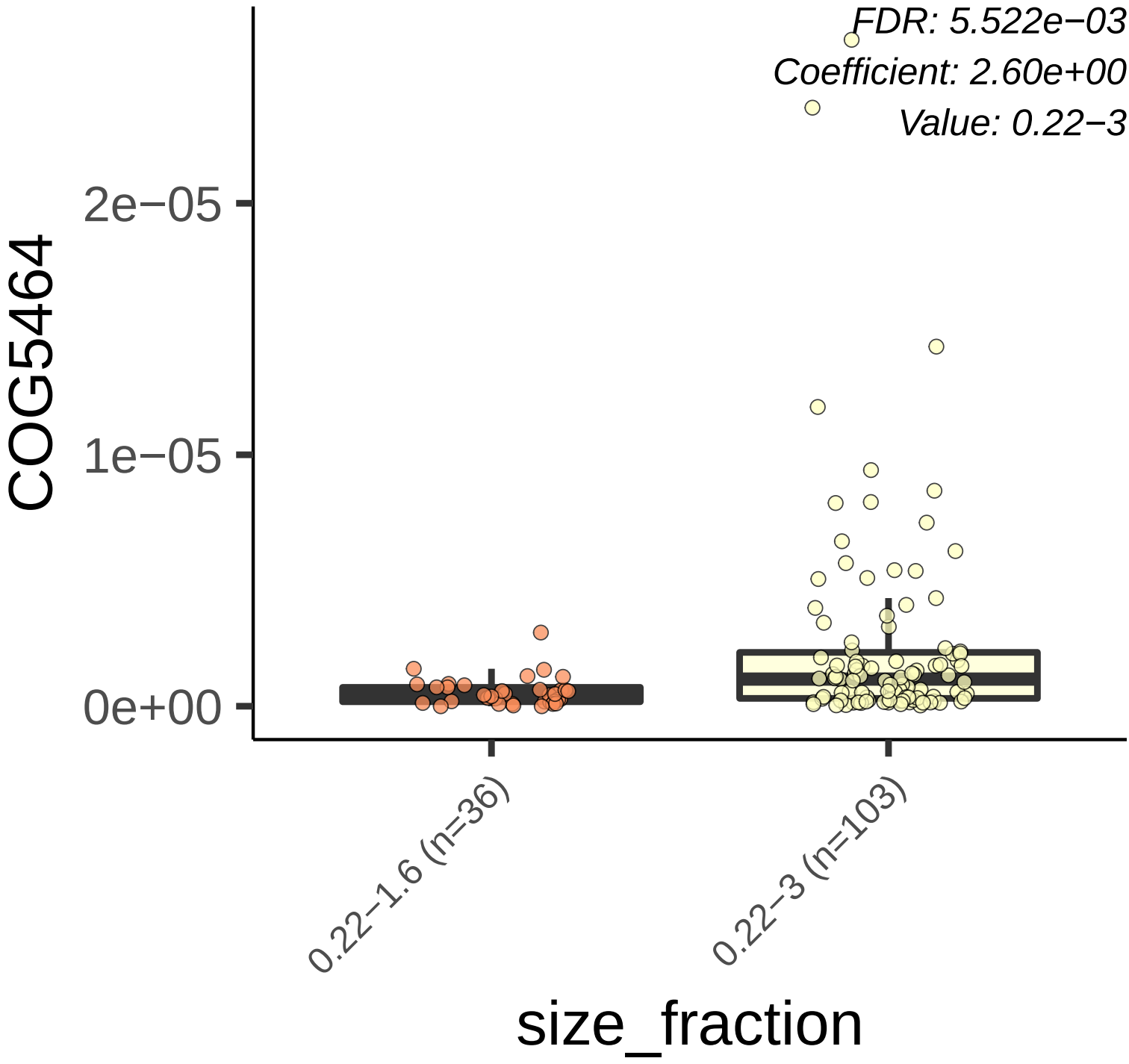

FDR: 5.189e−03
Coefficient: 1.11e+00
Value: 0.22−3
COG2706
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

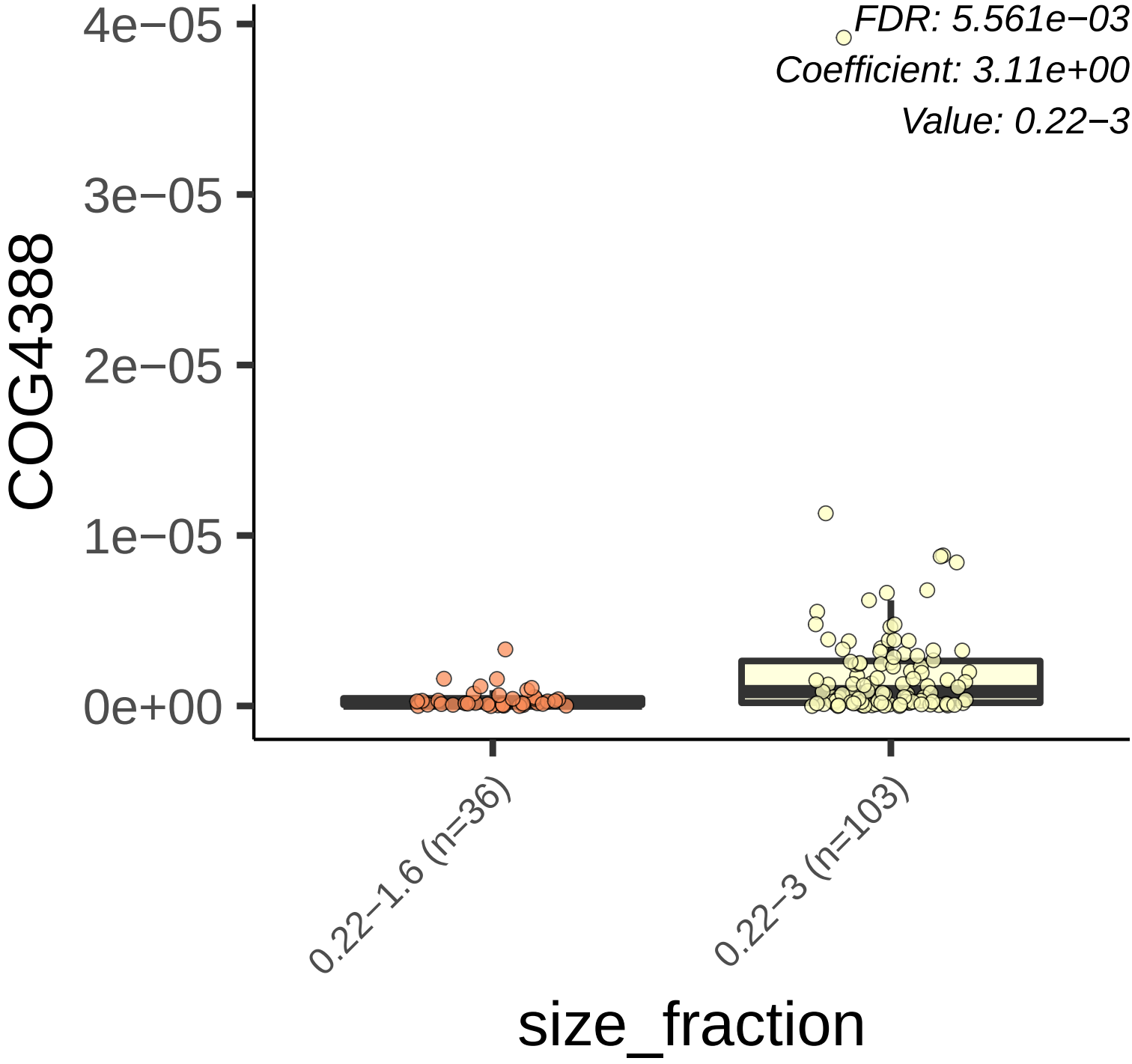

FDR: 5.208e−03
Coefficient: 1.13e+00
Value: 0.22−3
COG2315
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

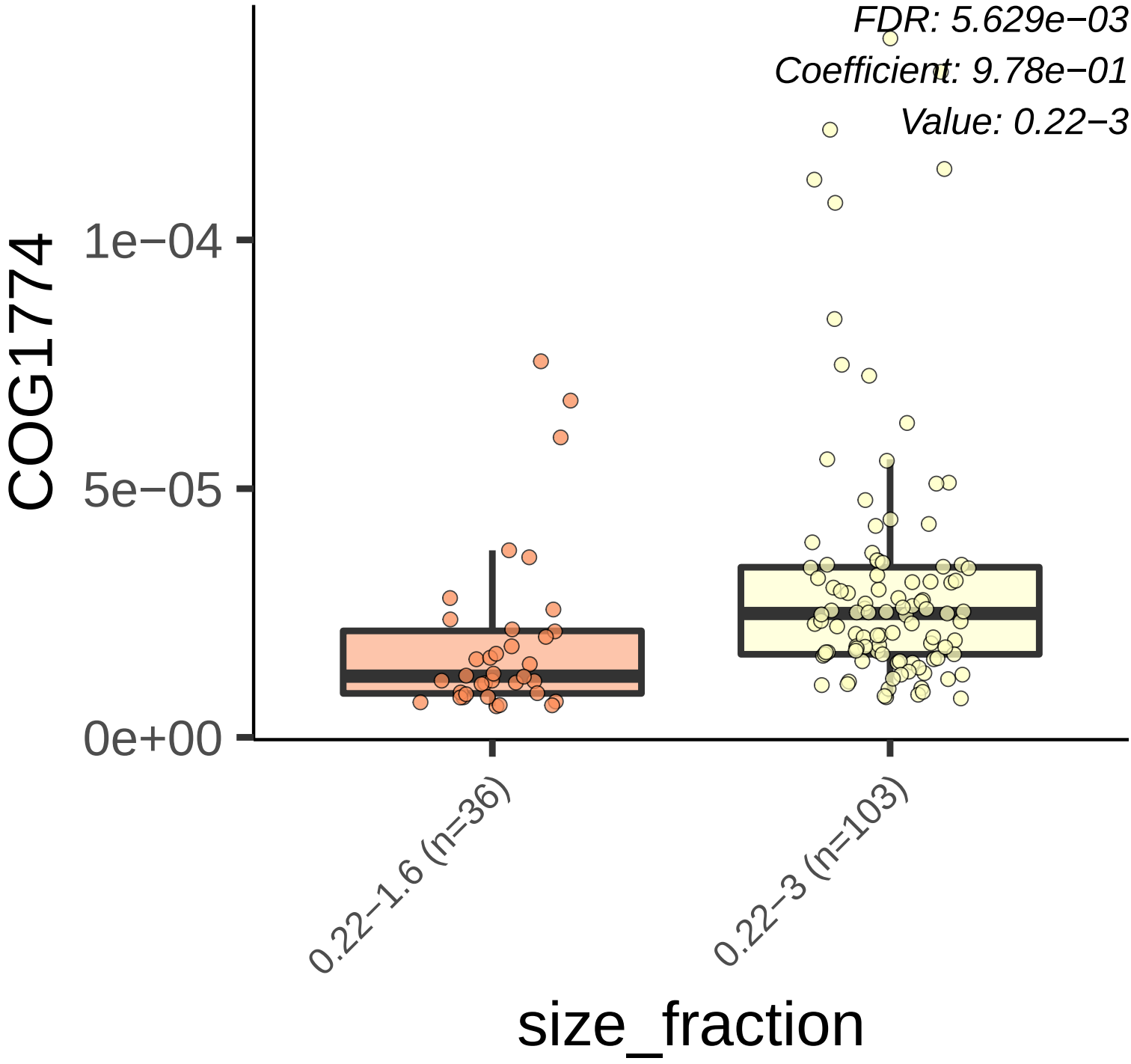

FDR: 5.313e−03
Coefficient: 1.64e+00
Value: 0.22−3
COG1315
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

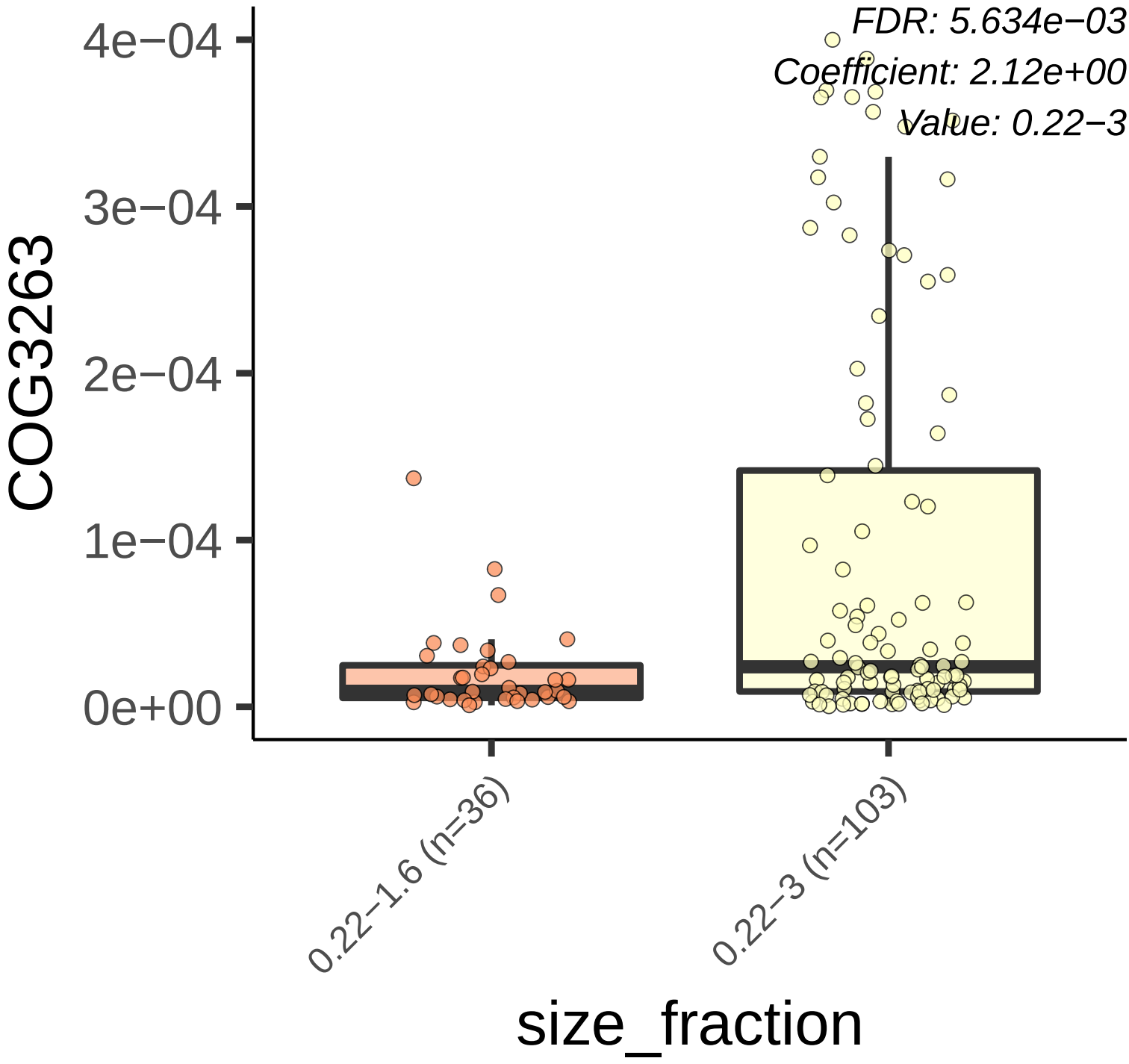

FDR: 5.351e−03
Coefficient: 1.17e+00
Value: 0.22−3
COG0043
6e−04
4e−04
2e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

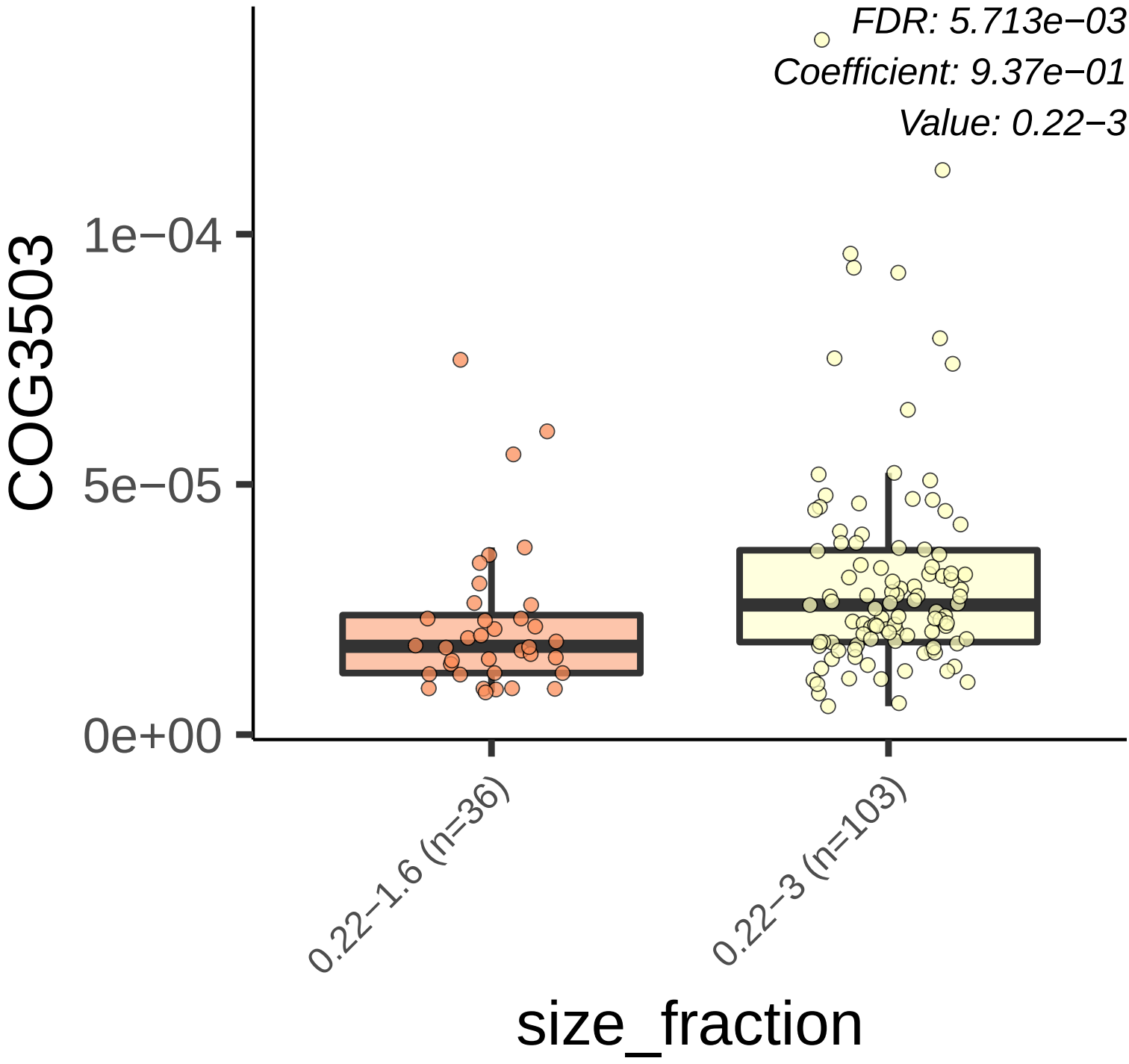

FDR: 5.458e−03
Coefficient: 2.76e+00
Value: 0.22−3
COG2369
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

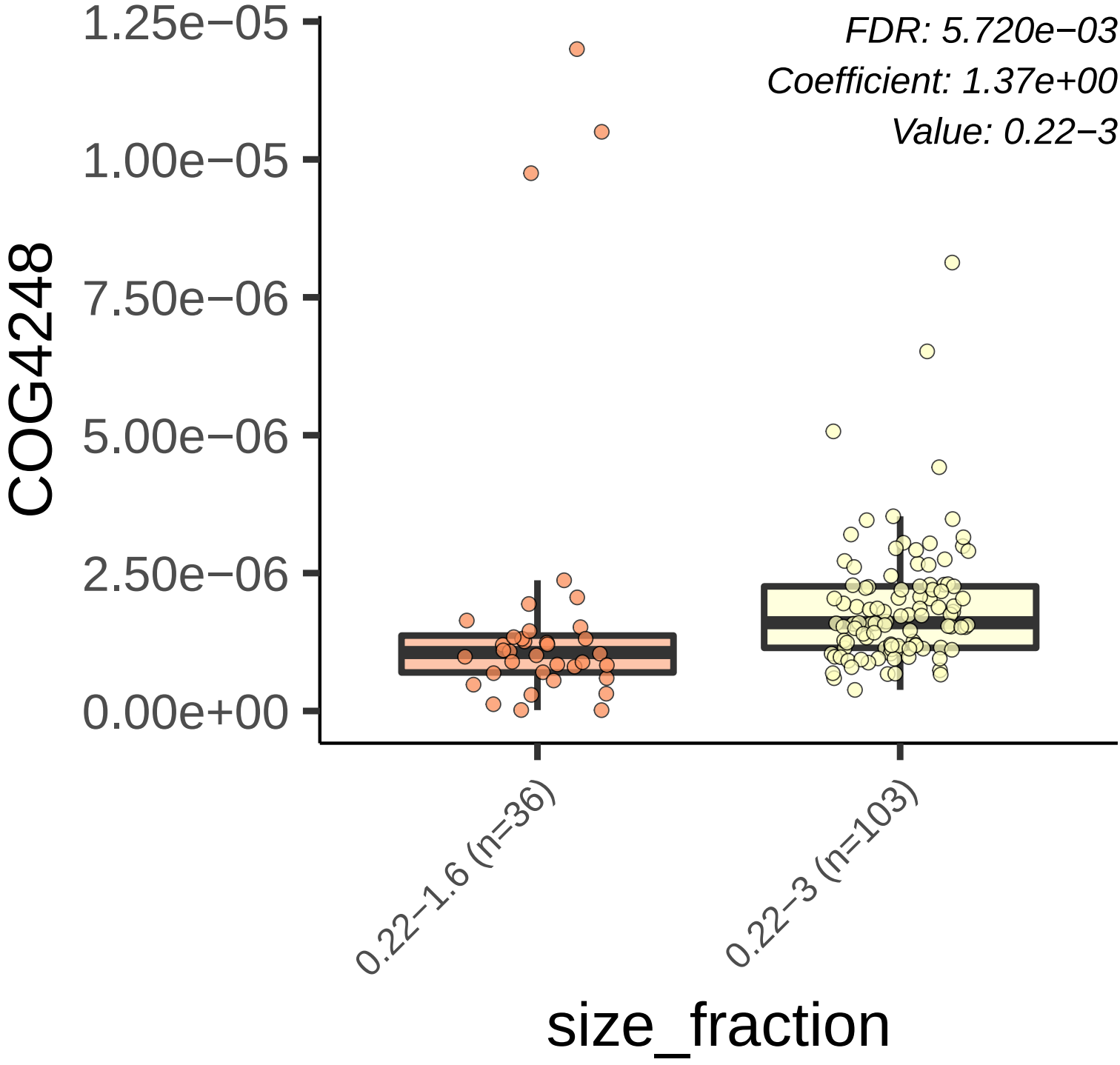

FDR: 5.522e−03
Coefficient: 2.60e+00
Value: 0.22−3
COG5464
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

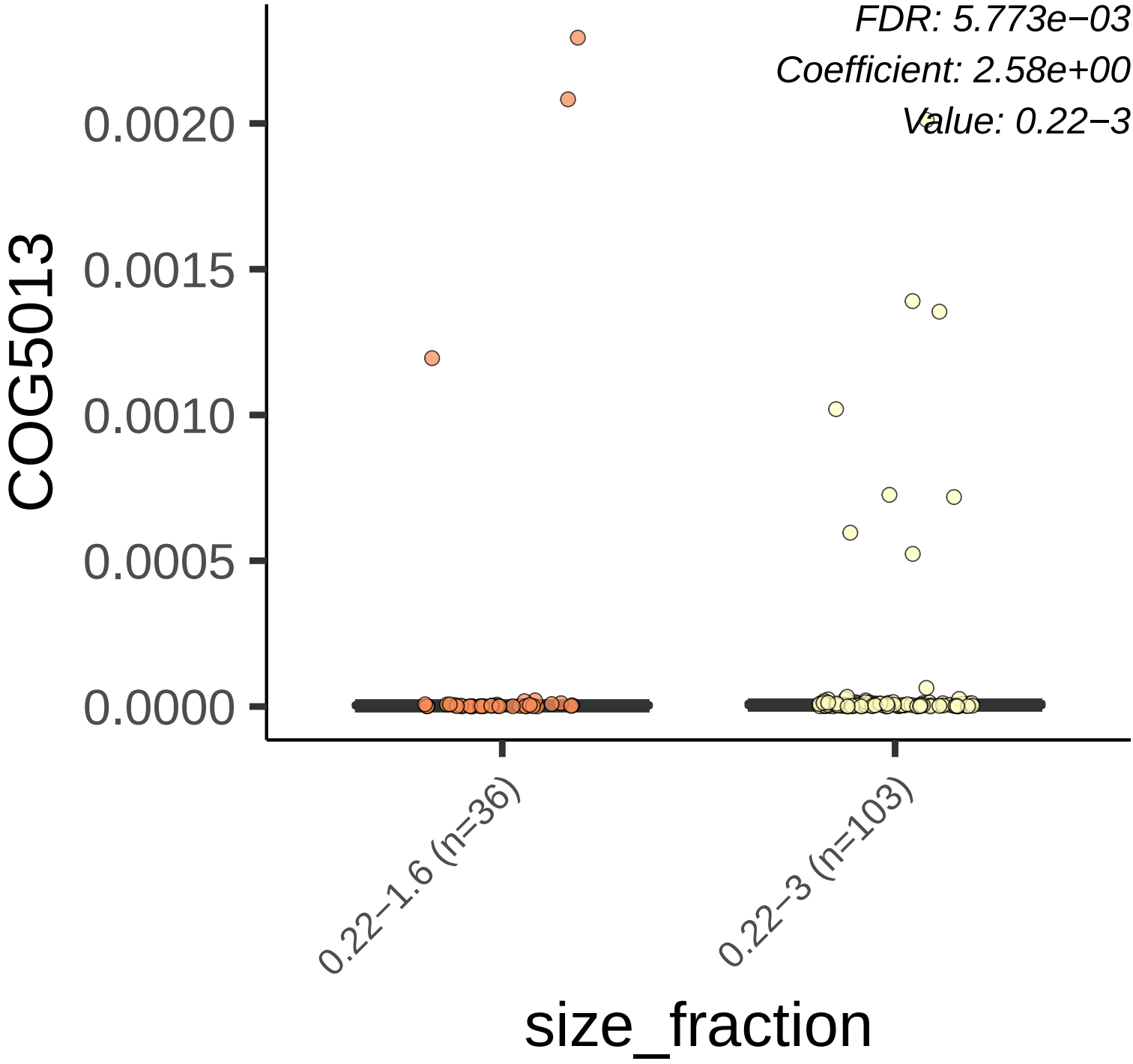

FDR: 5.561e−03
Coefficient: 3.11e+00
Value: 0.22−3
COG4388
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

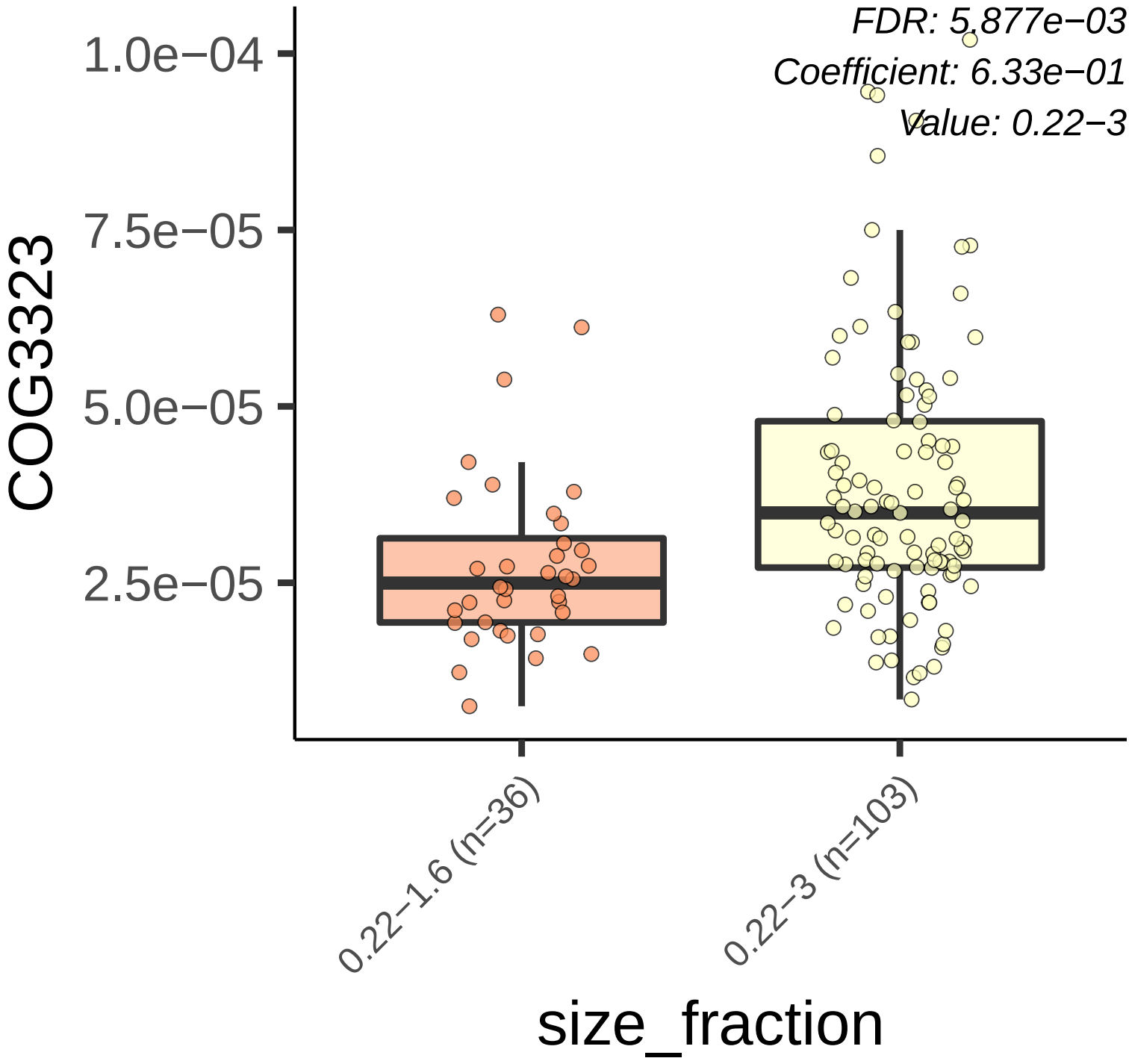

FDR: 5.629e−03
Coefficient: 9.78e−01
Value: 0.22−3
COG1774
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

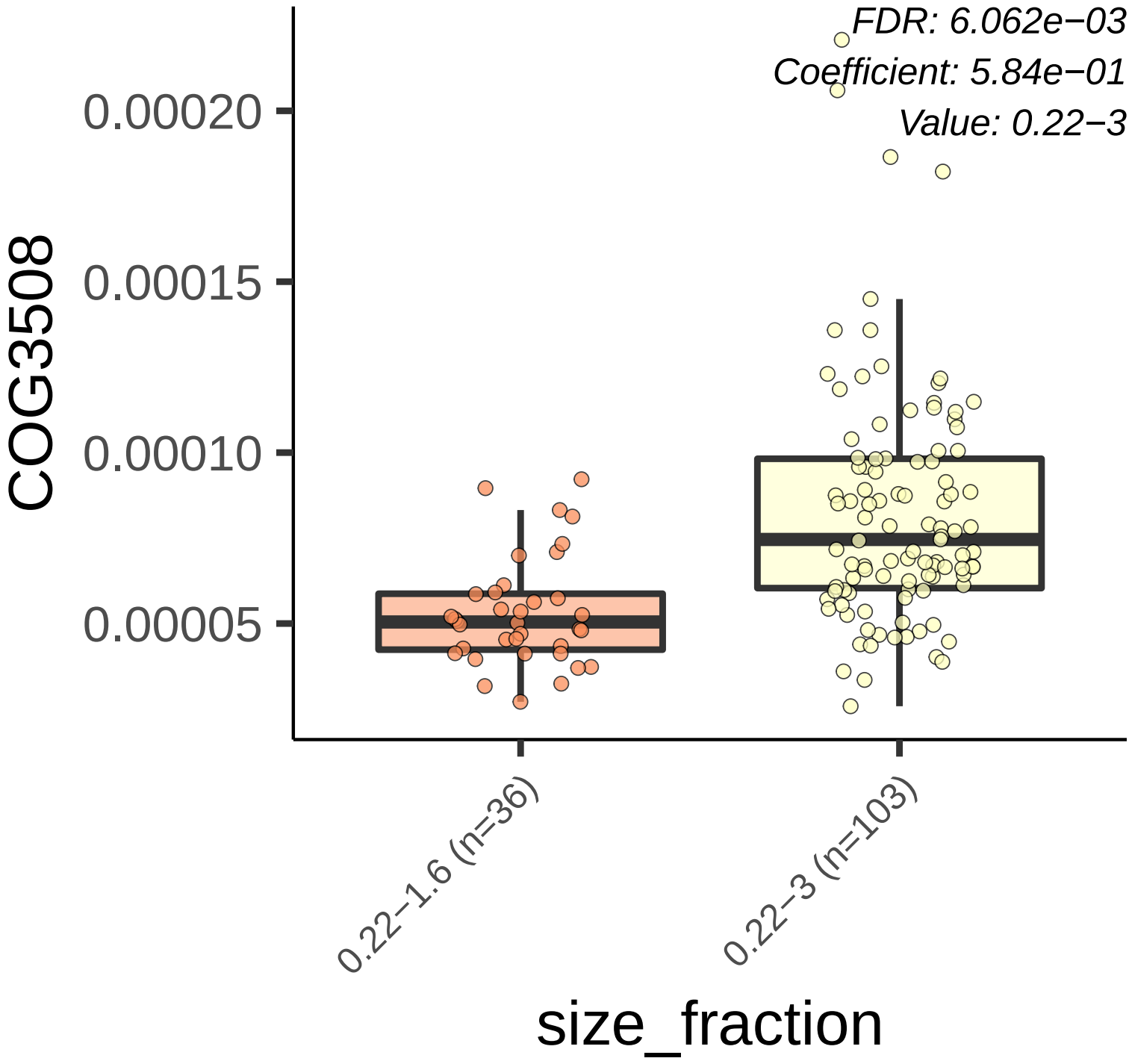

FDR: 5.634e−03
Coefficient: 2.12e+00
Value: 0.22−3
COG3263
4e−04
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

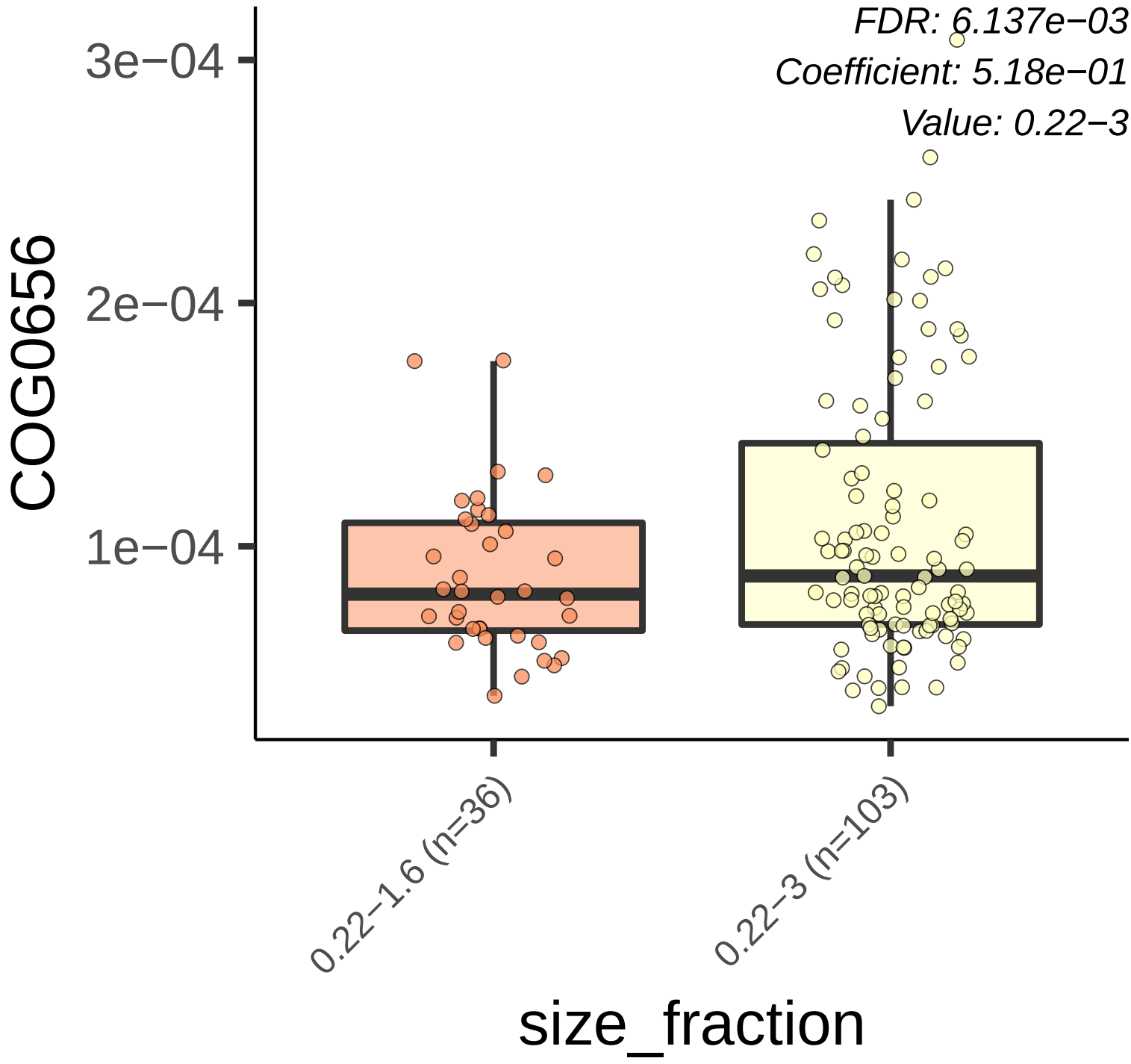

FDR: 5.713e−03
Coefficient: 9.37e−01
Value: 0.22−3
COG3503
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

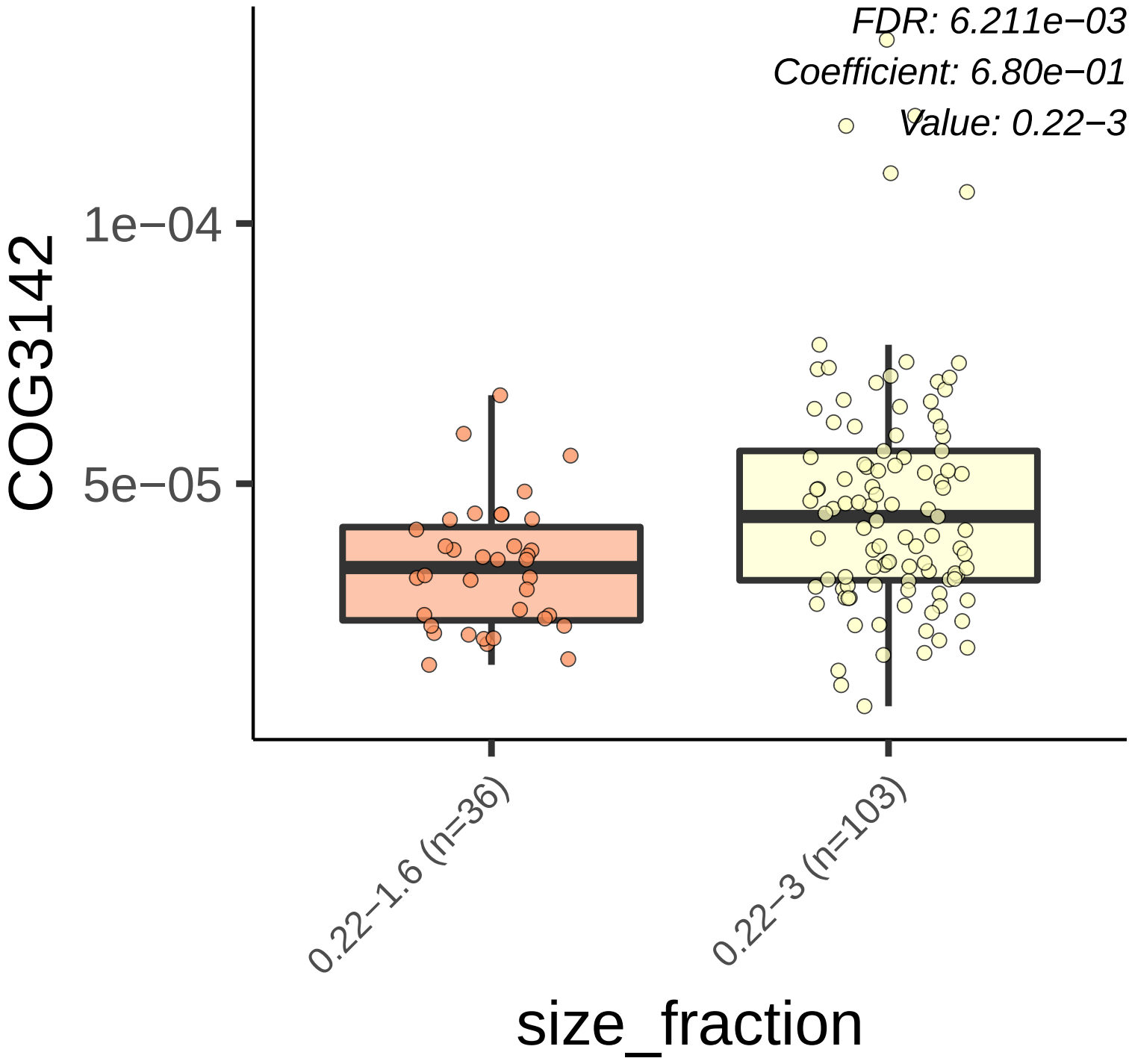

FDR: 5.720e−03
Coefficient: 1.37e+00
Value: 0.22−3
COG4248
1.25e−05
1.00e−05
7.50e−06
5.00e−06
2.50e−06
0.00e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

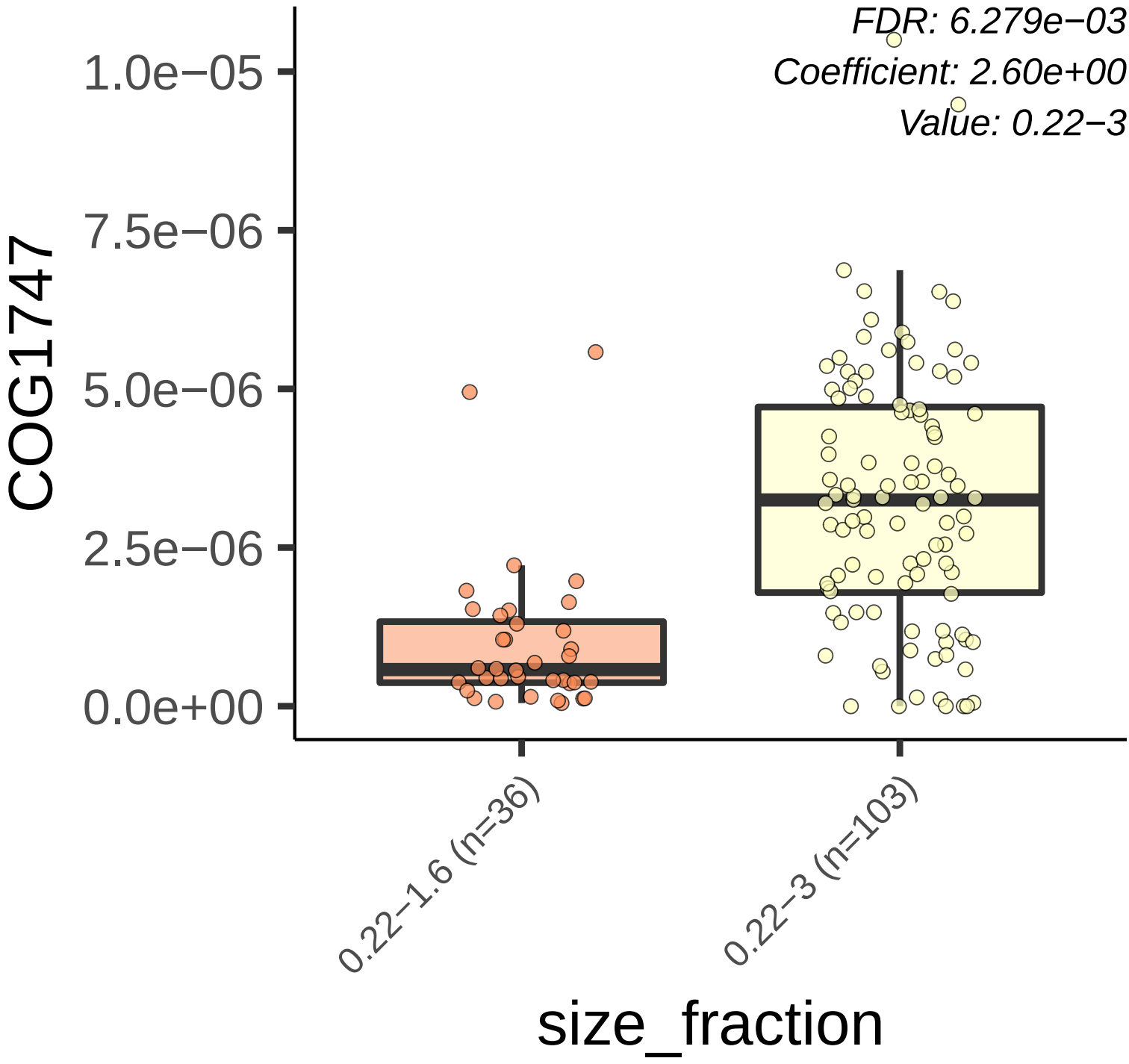

FDR: 5.773e−03
Coefficient: 2.58e+00
Value: 0.22−3
COG5013
0.0020
0.0015
0.0010
0.0005
0.0000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

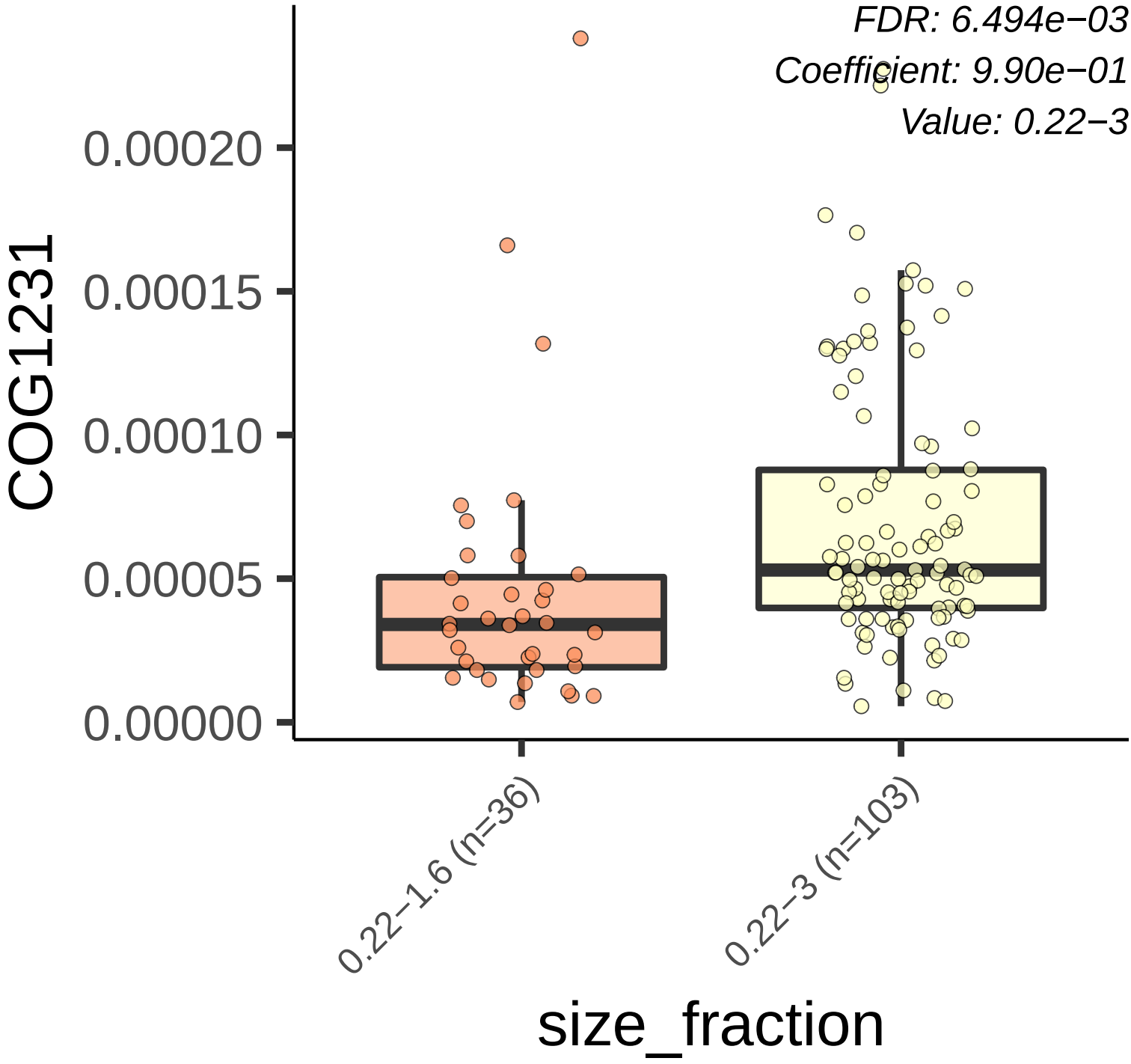

FDR: 5.877e−03
Coefficient: 6.33e−01
Value: 0.22−3
1.0e−04
7.5e−05
5.0e−05
2.5e−05
COG3323
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

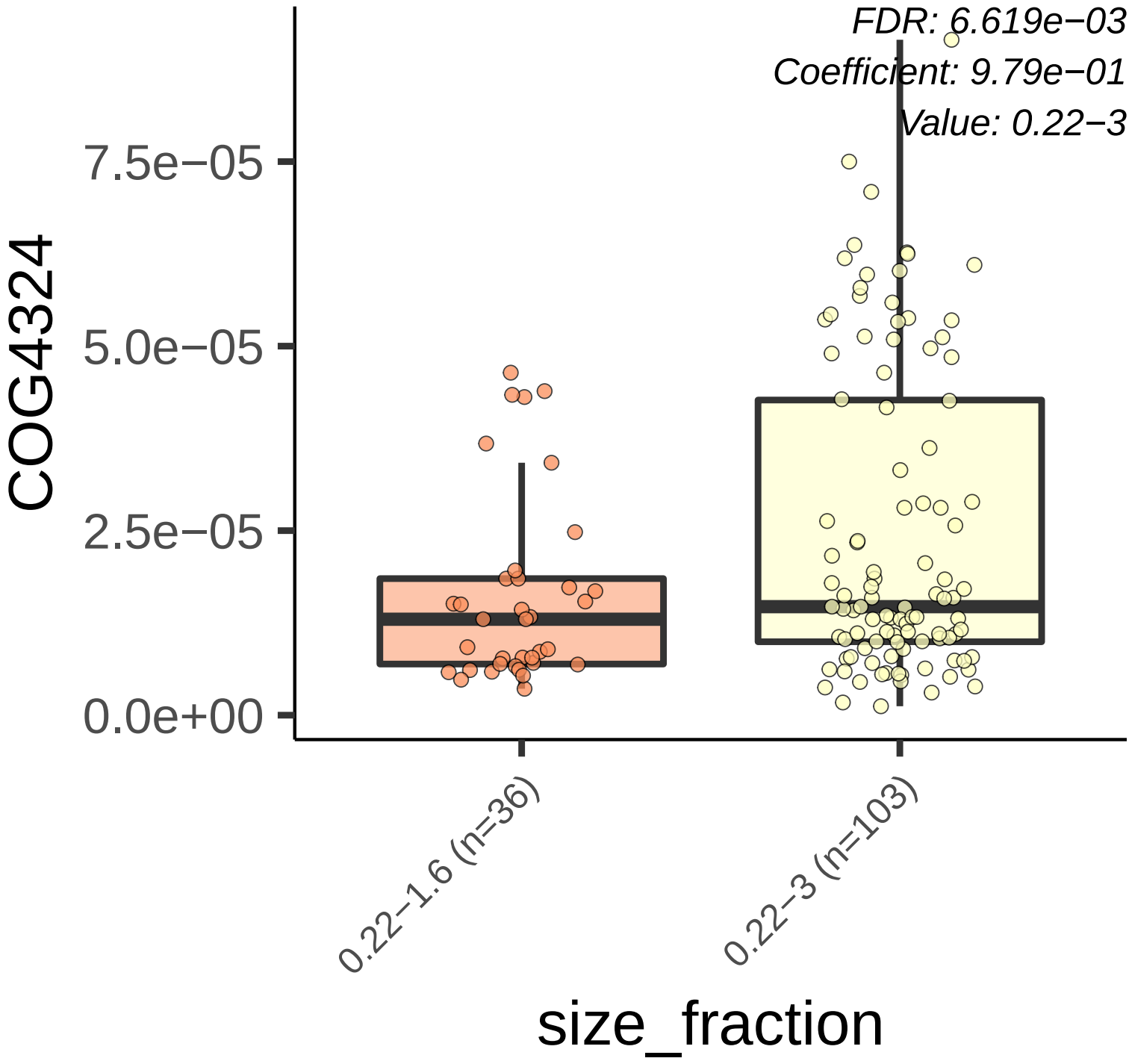

FDR: 6.062e−03
Coefficient: 5.84e−01
Value: 0.22−3
COG3508
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

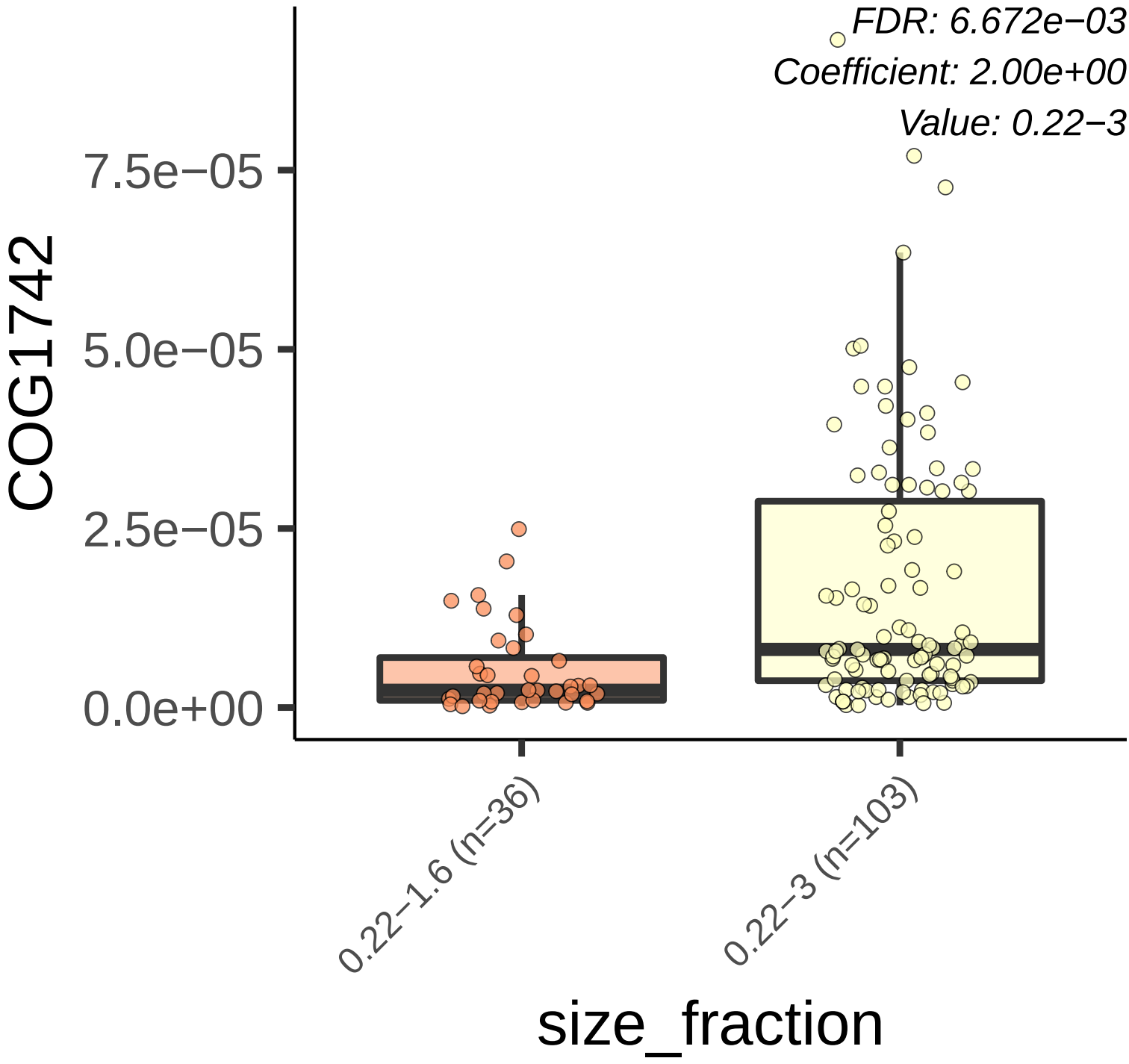

FDR: 6.137e−03
Coefficient: 5.18e−01
Value: 0.22−3
COG0656
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

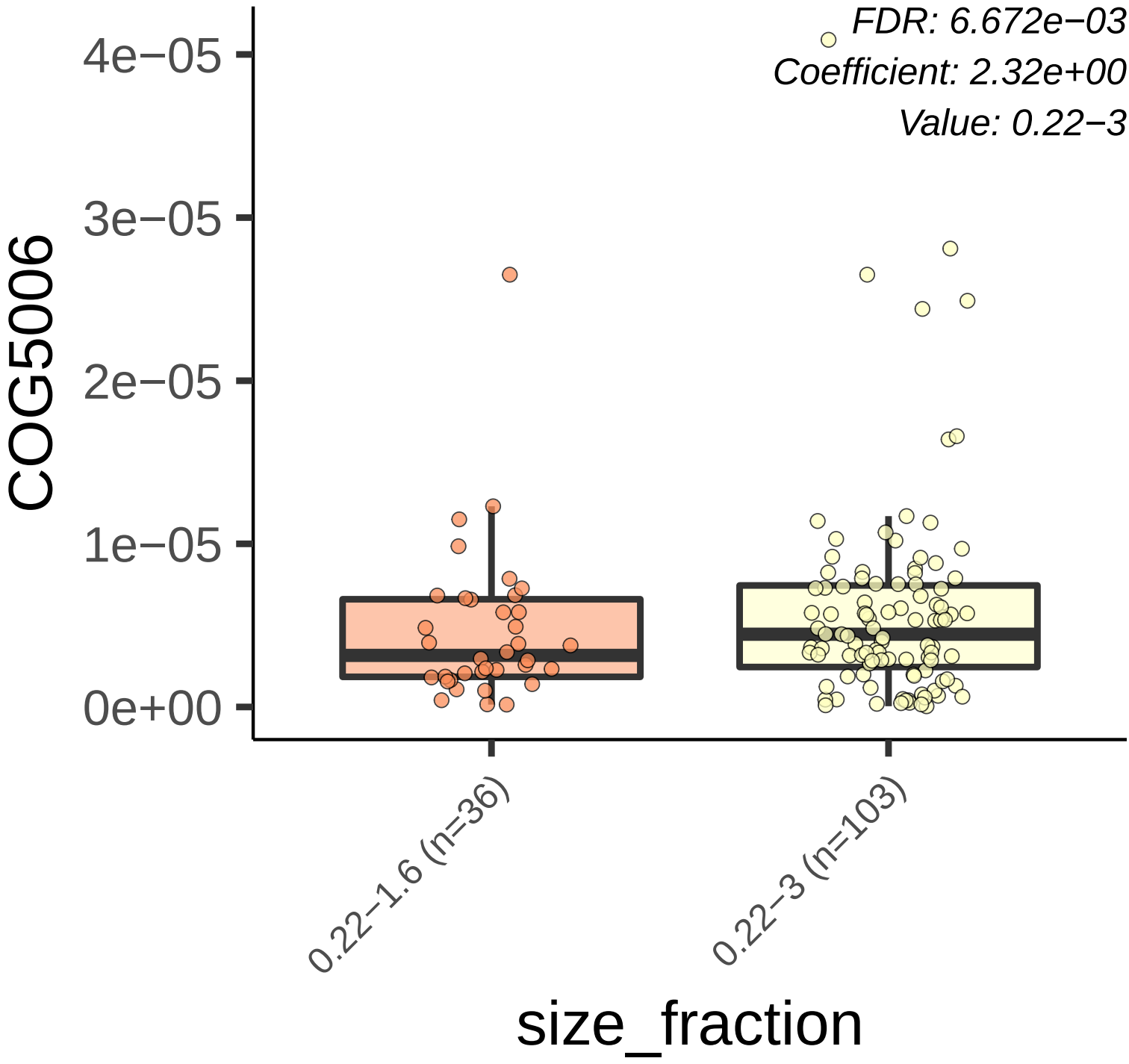

FDR: 6.211e−03
Coefficient: 6.80e−01
Value: 0.22−3
COG3142
1e−04
5e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

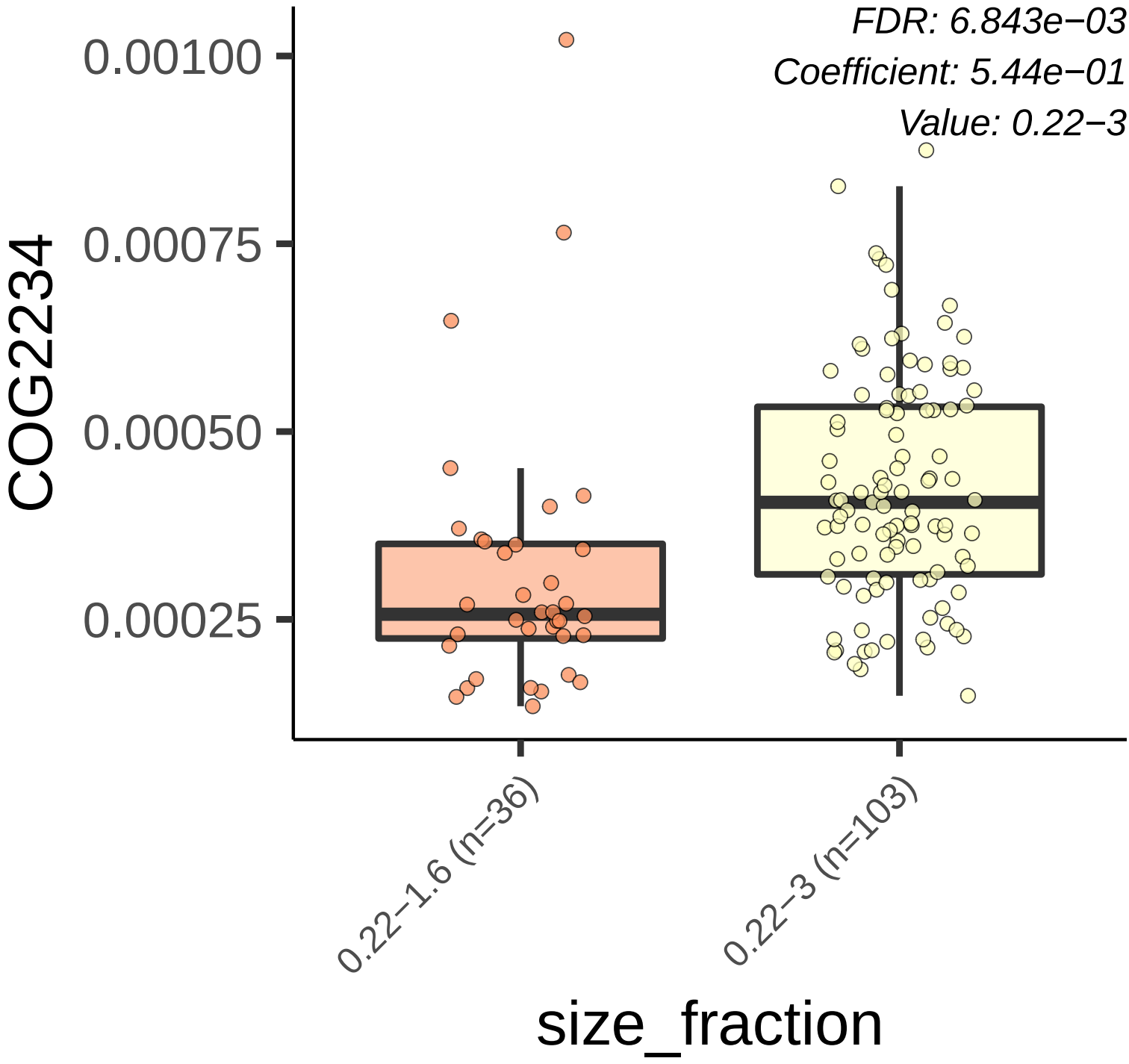

FDR: 6.279e−03
Coefficient: 2.60e+00
Value: 0.22−3
COG1747
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

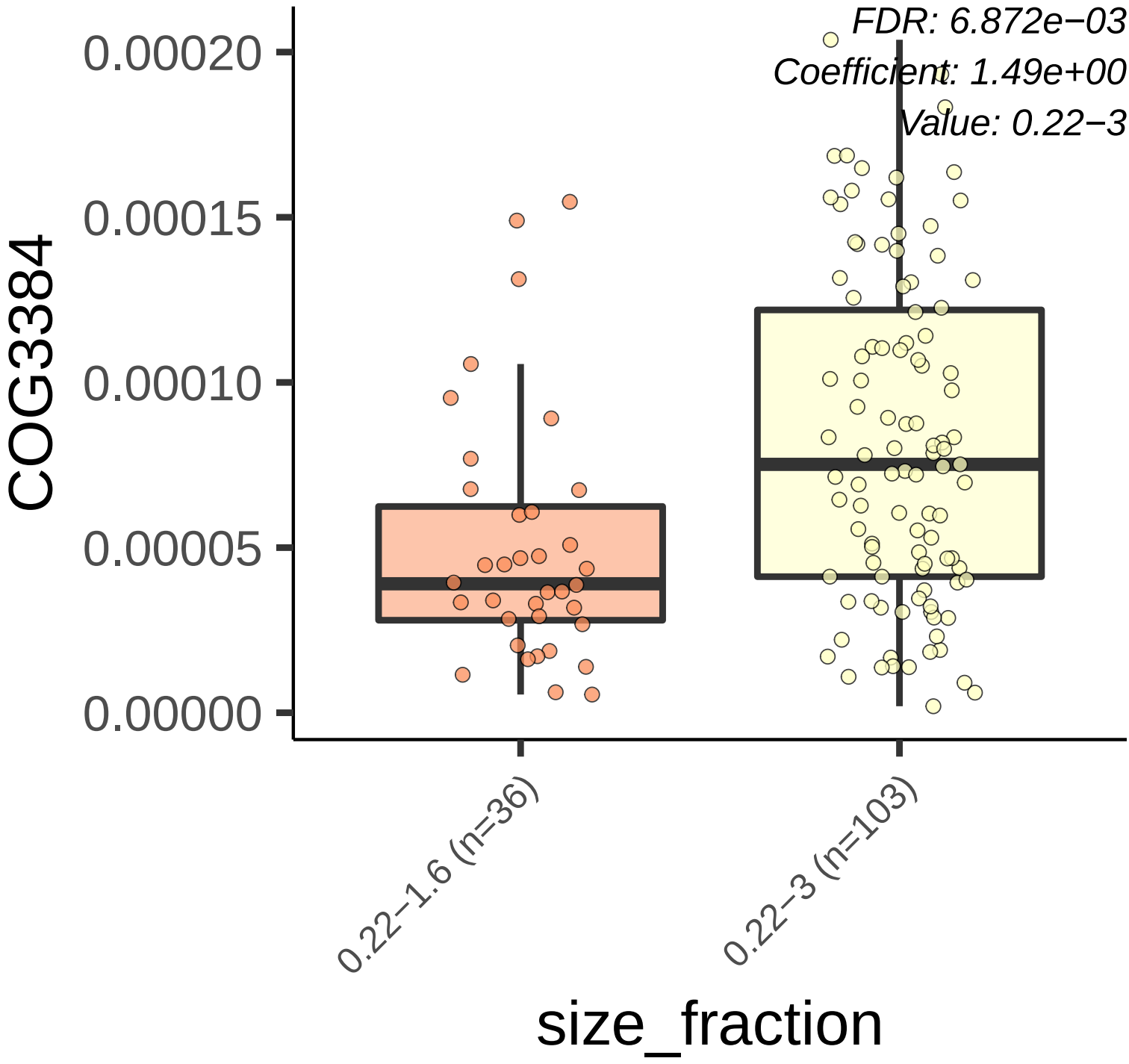

FDR: 6.494e−03
Coefficient: 9.90e−01
Value: 0.22−3
COG1231
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

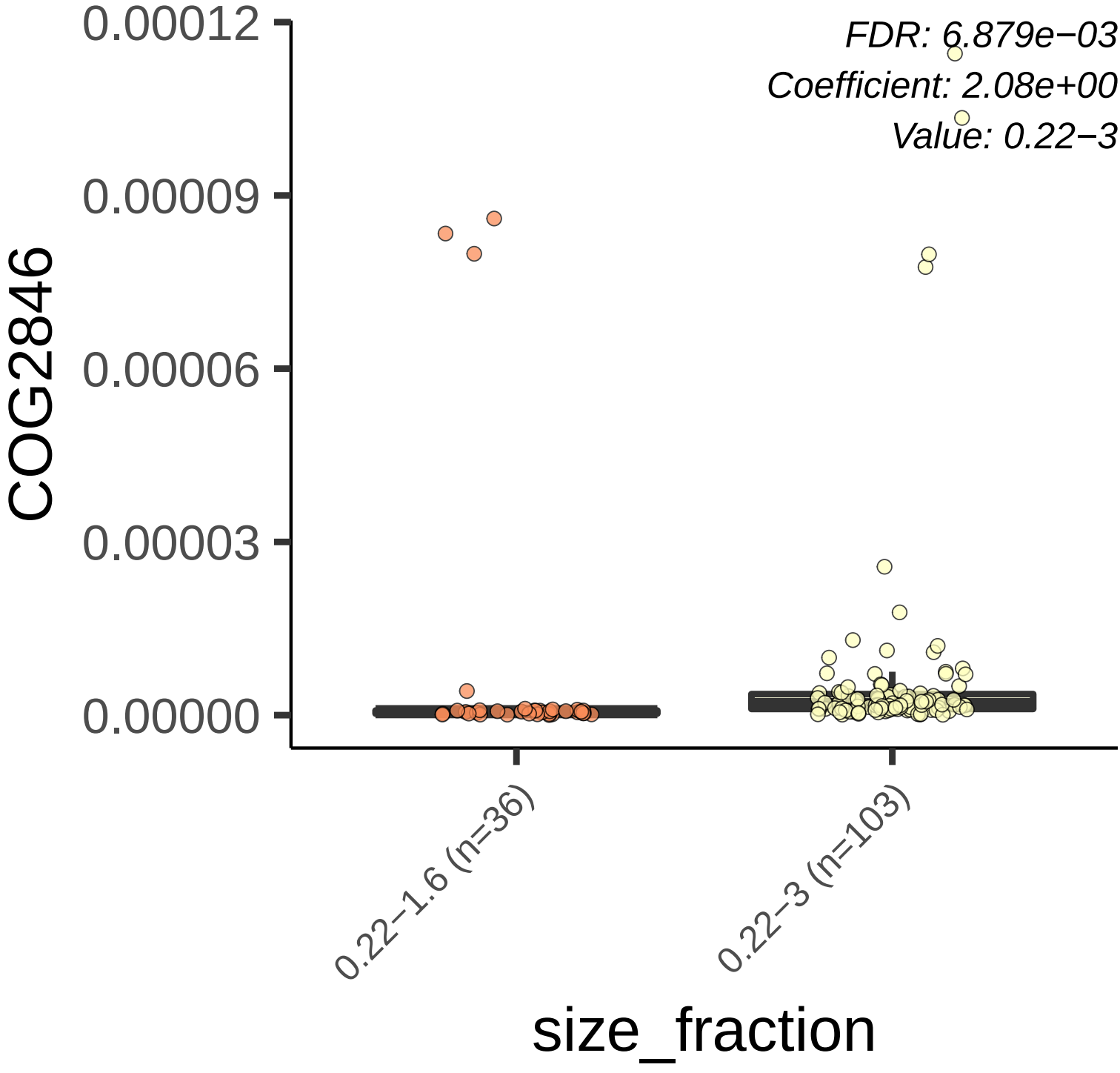

FDR: 6.619e−03
Coefficient: 9.79e−01
Value: 0.22−3
COG4324
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

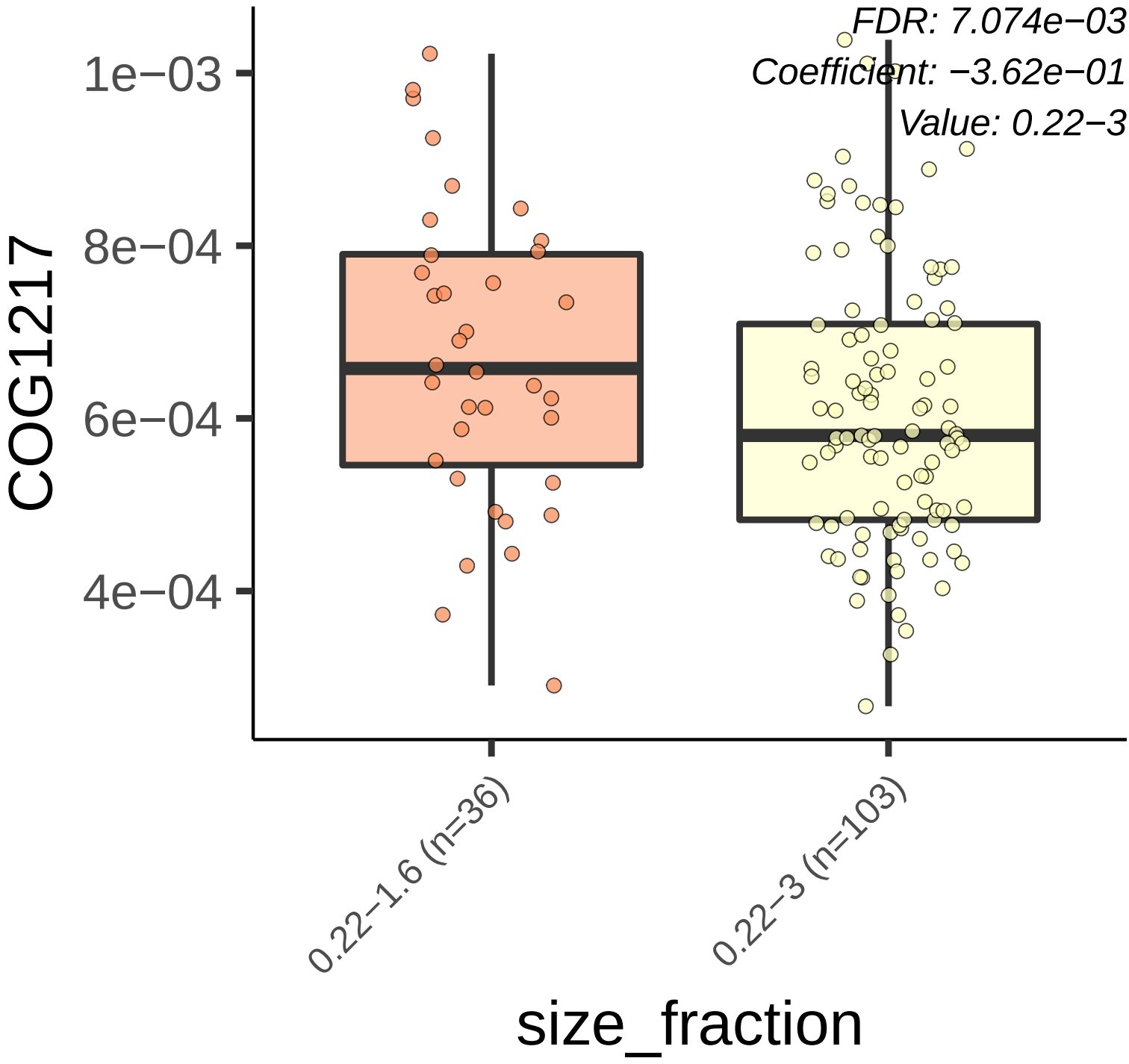

FDR: 6.672e−03
Coefficient: 2.00e+00
Value: 0.22−3
COG1742
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

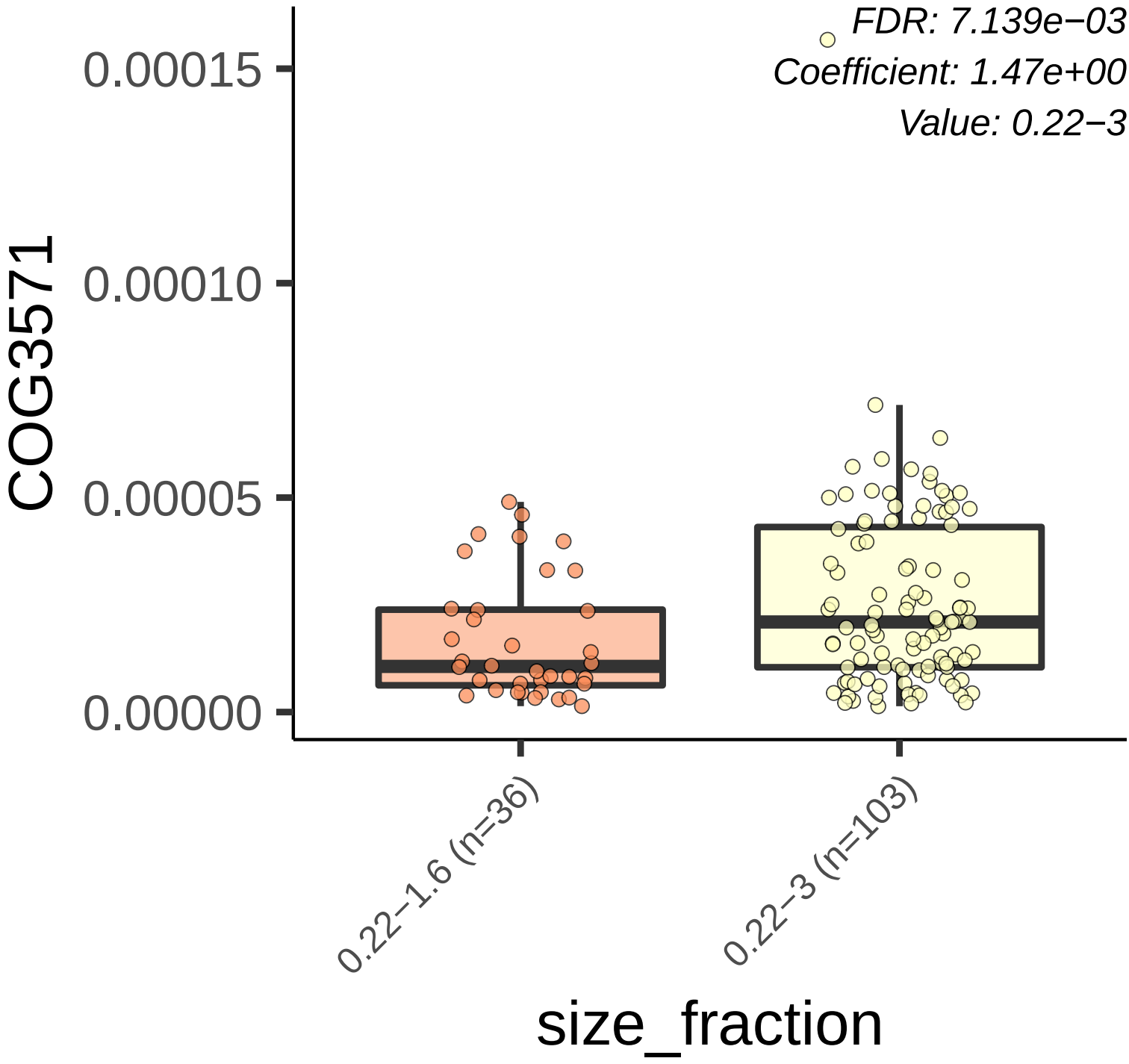

FDR: 6.672e−03
Coefficient: 2.32e+00
Value: 0.22−3
COG5006
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

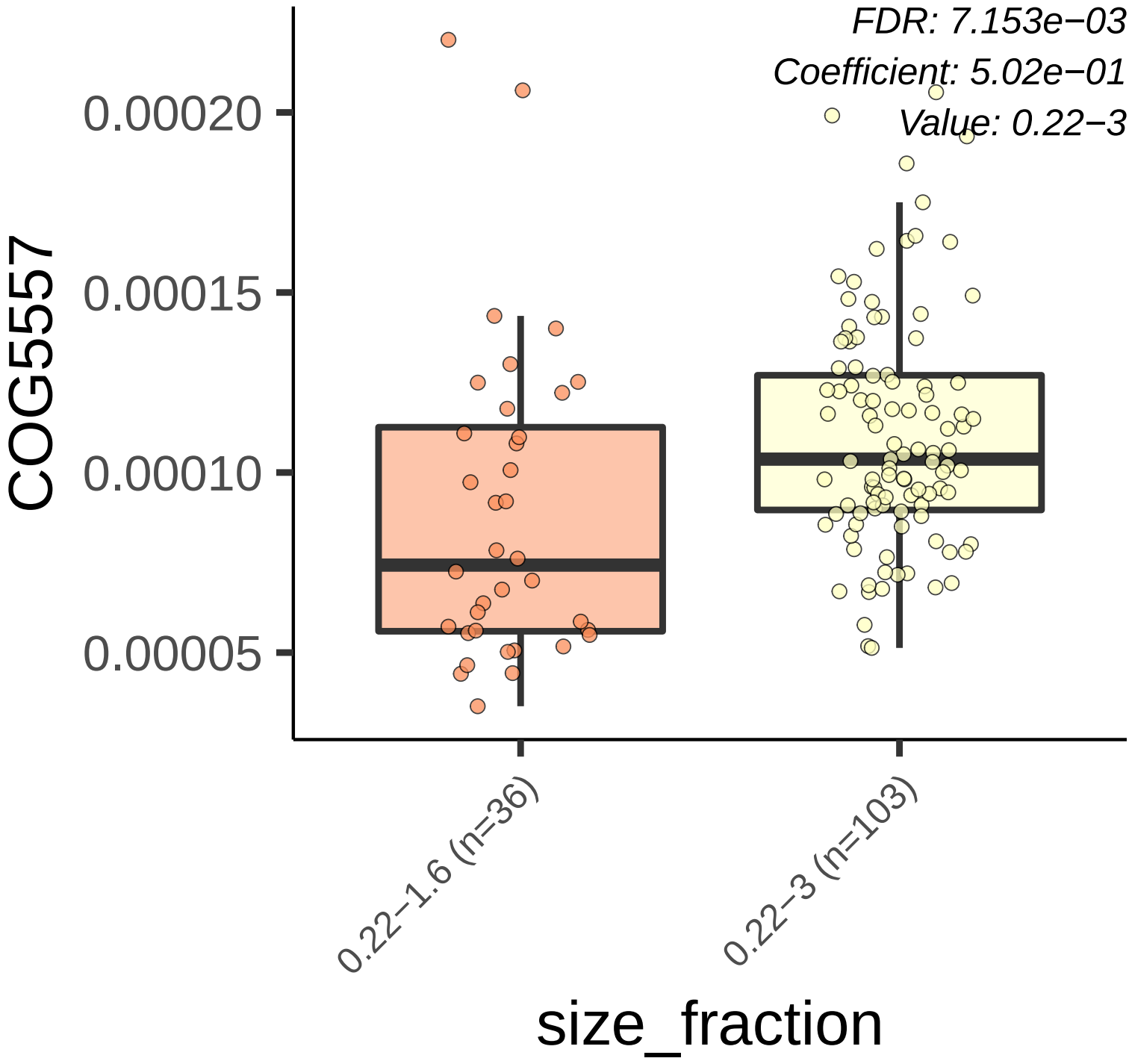

FDR: 6.843e−03
Coefficient: 5.44e−01
Value: 0.22−3
COG2234
0.00100
0.00075
0.00050
0.00025
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

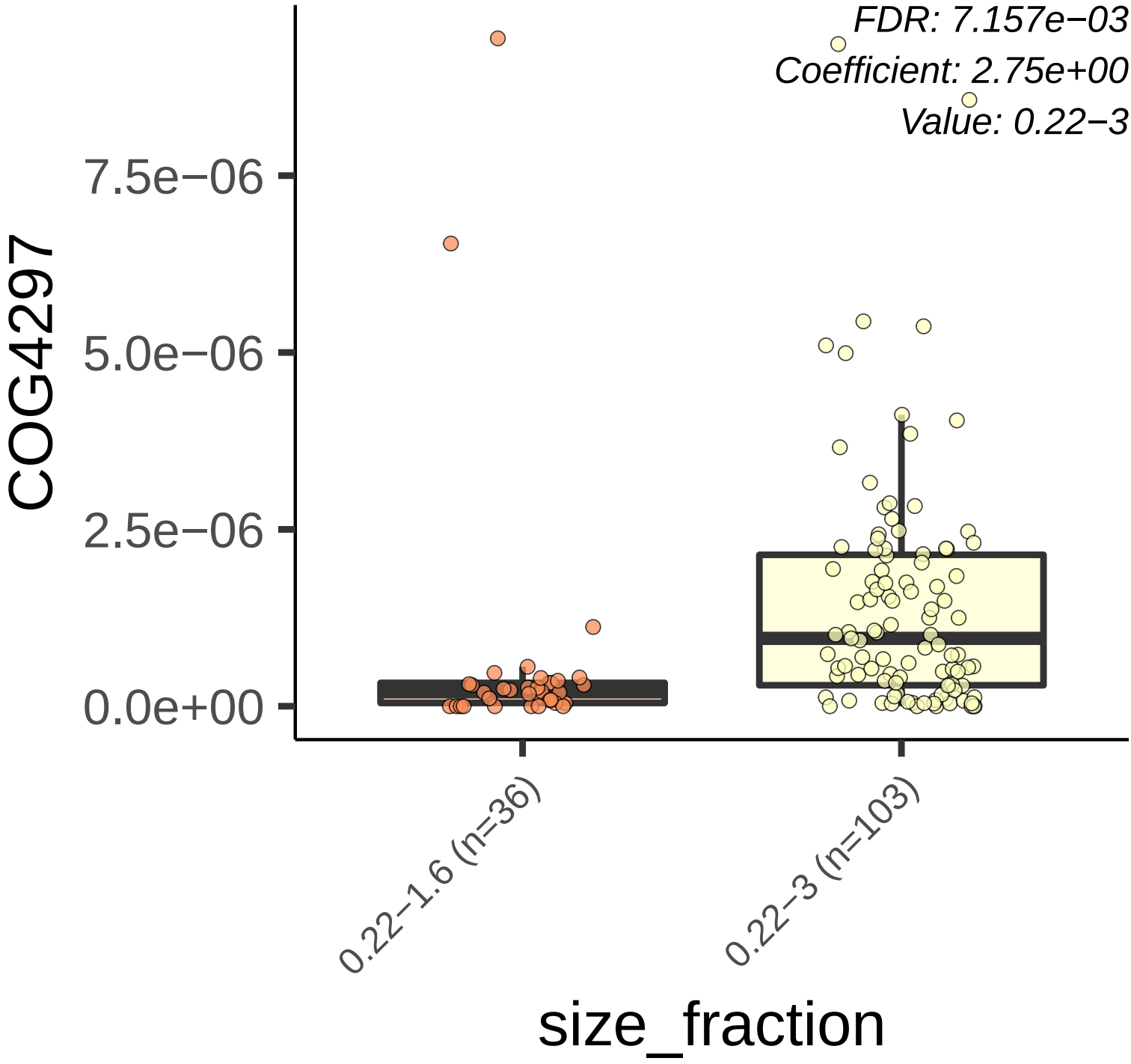

FDR: 6.872e−03
Coefficient: 1.49e+00
Value: 0.22−3
COG3384
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

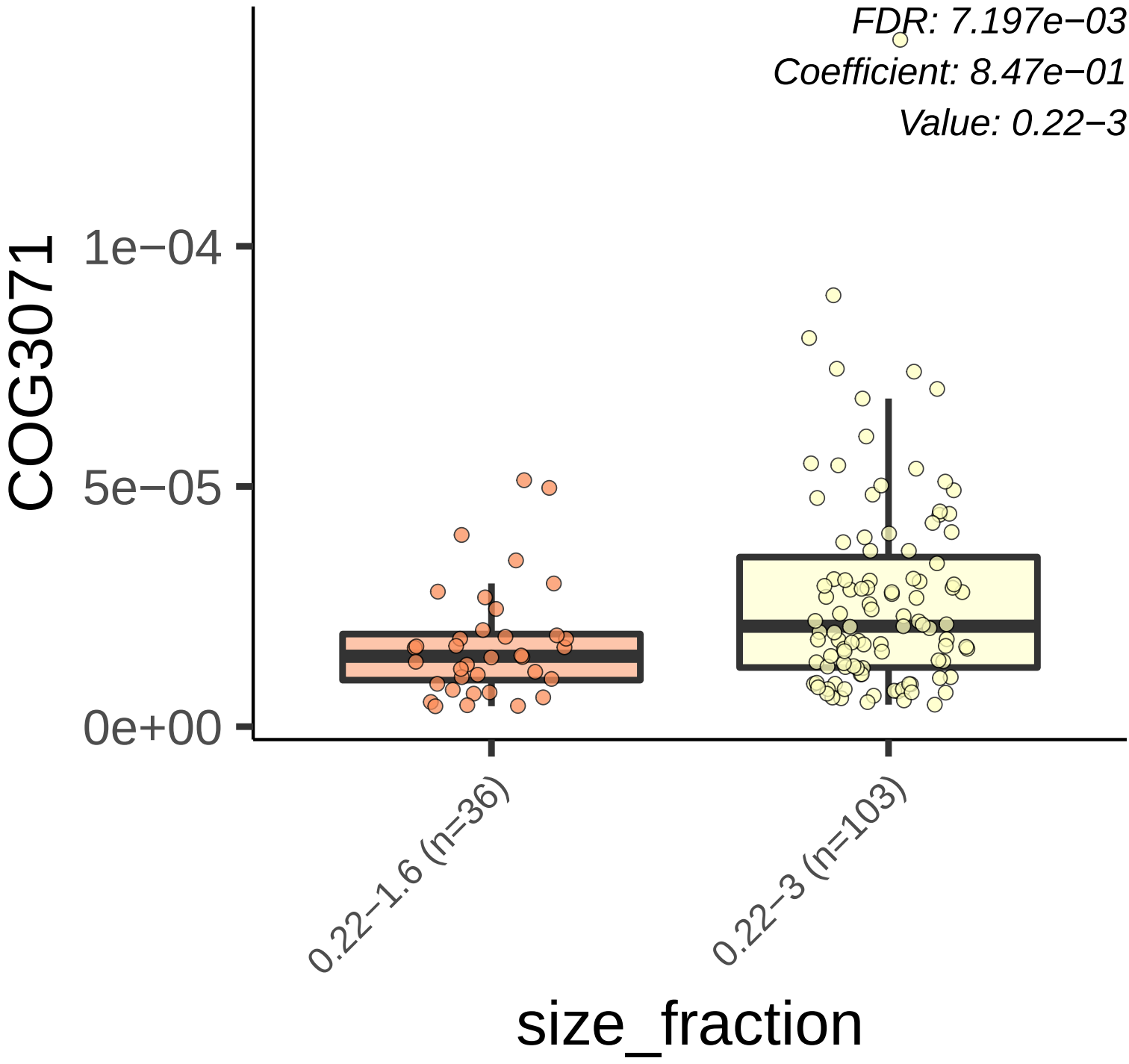

FDR: 6.879e−03
Coefficient: 2.08e+00
Value: 0.22−3
COG2846
0.00012
0.00009
0.00006
0.00003
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

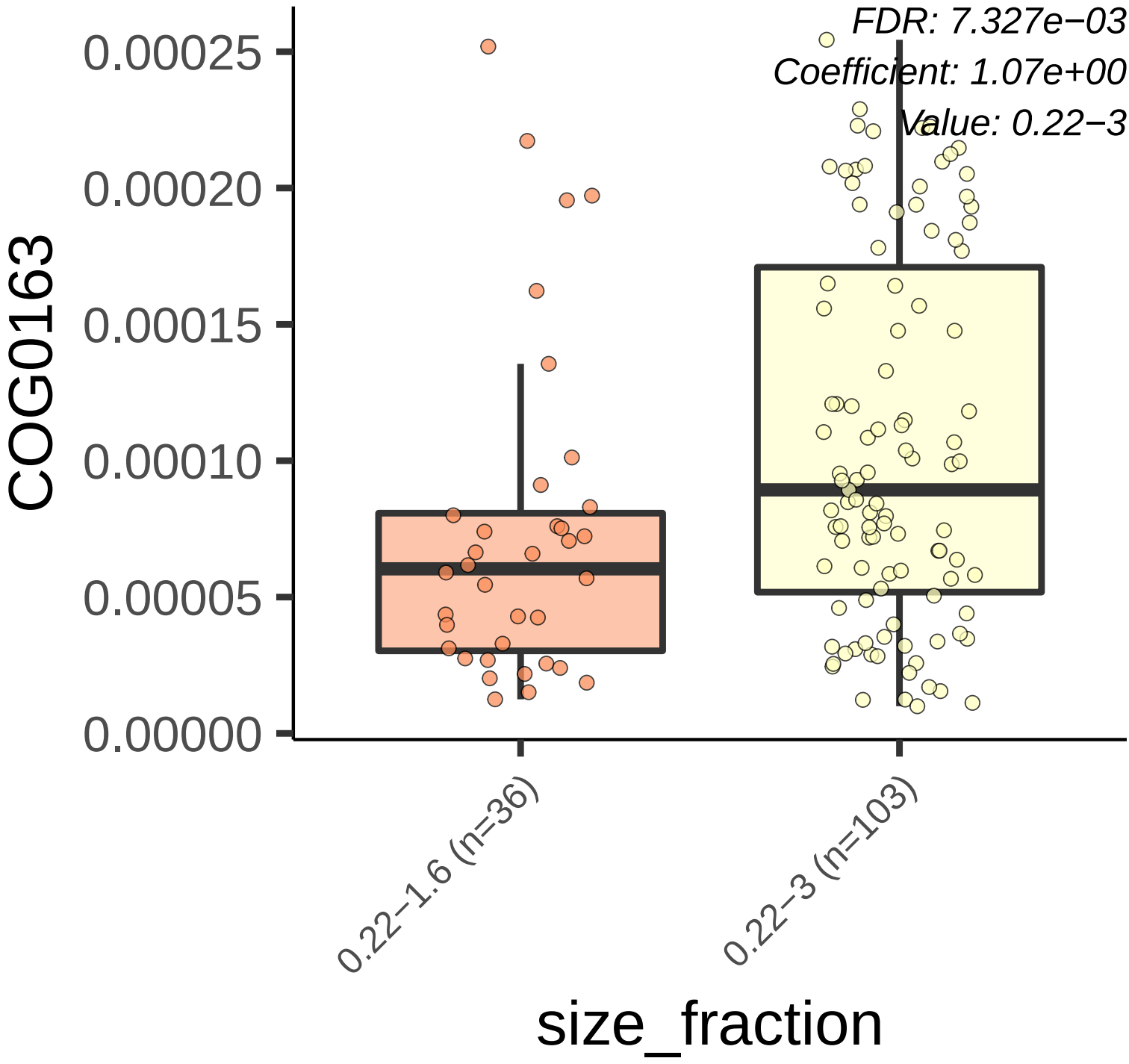

FDR: 7.074e−03
Coefficient: −3.62e−01
Value: 0.22−3
1e−03
8e−04
6e−04
4e−04
COG1217
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

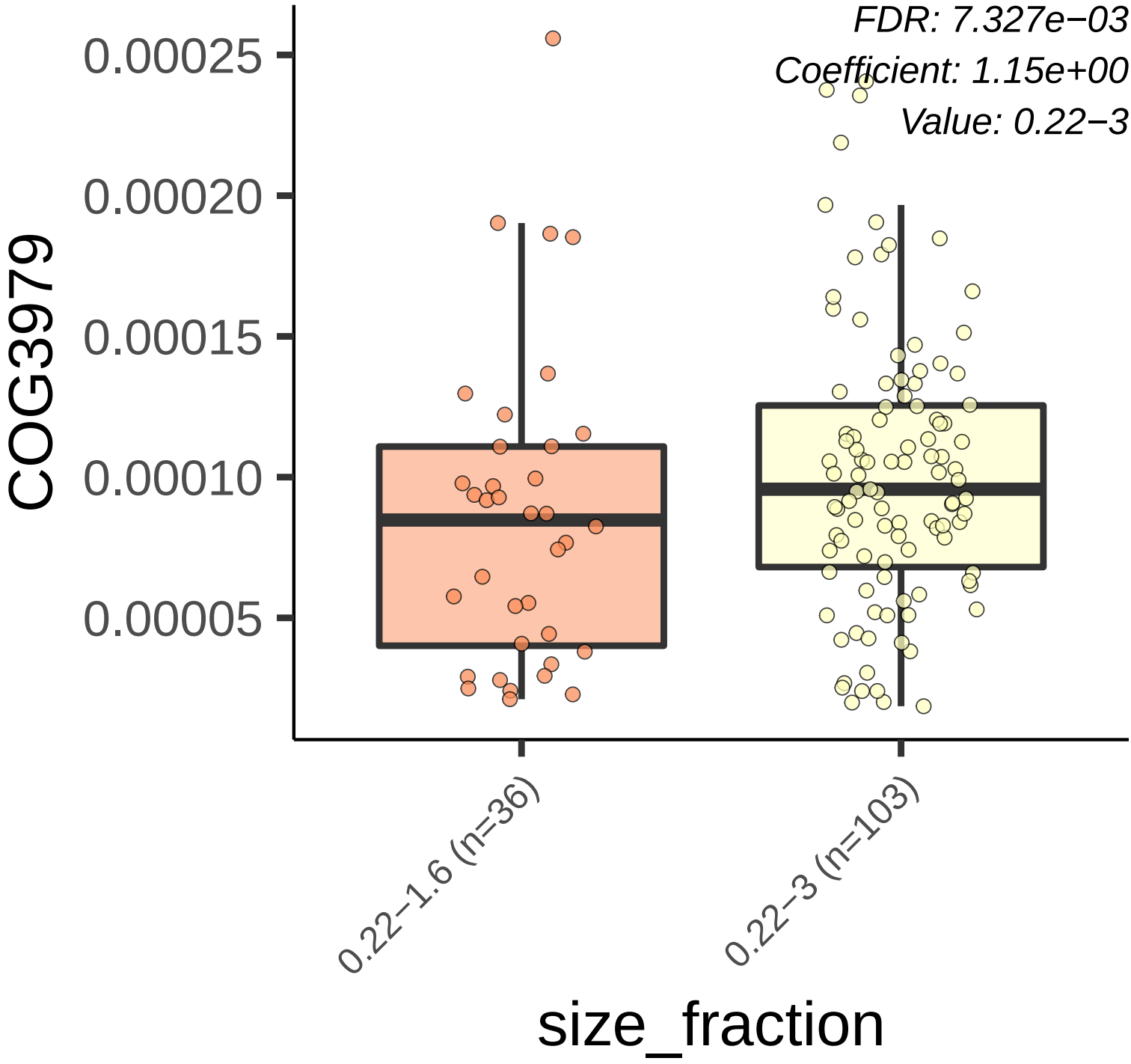

FDR: 7.139e−03
Coefficient: 1.47e+00
Value: 0.22−3
COG3571
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

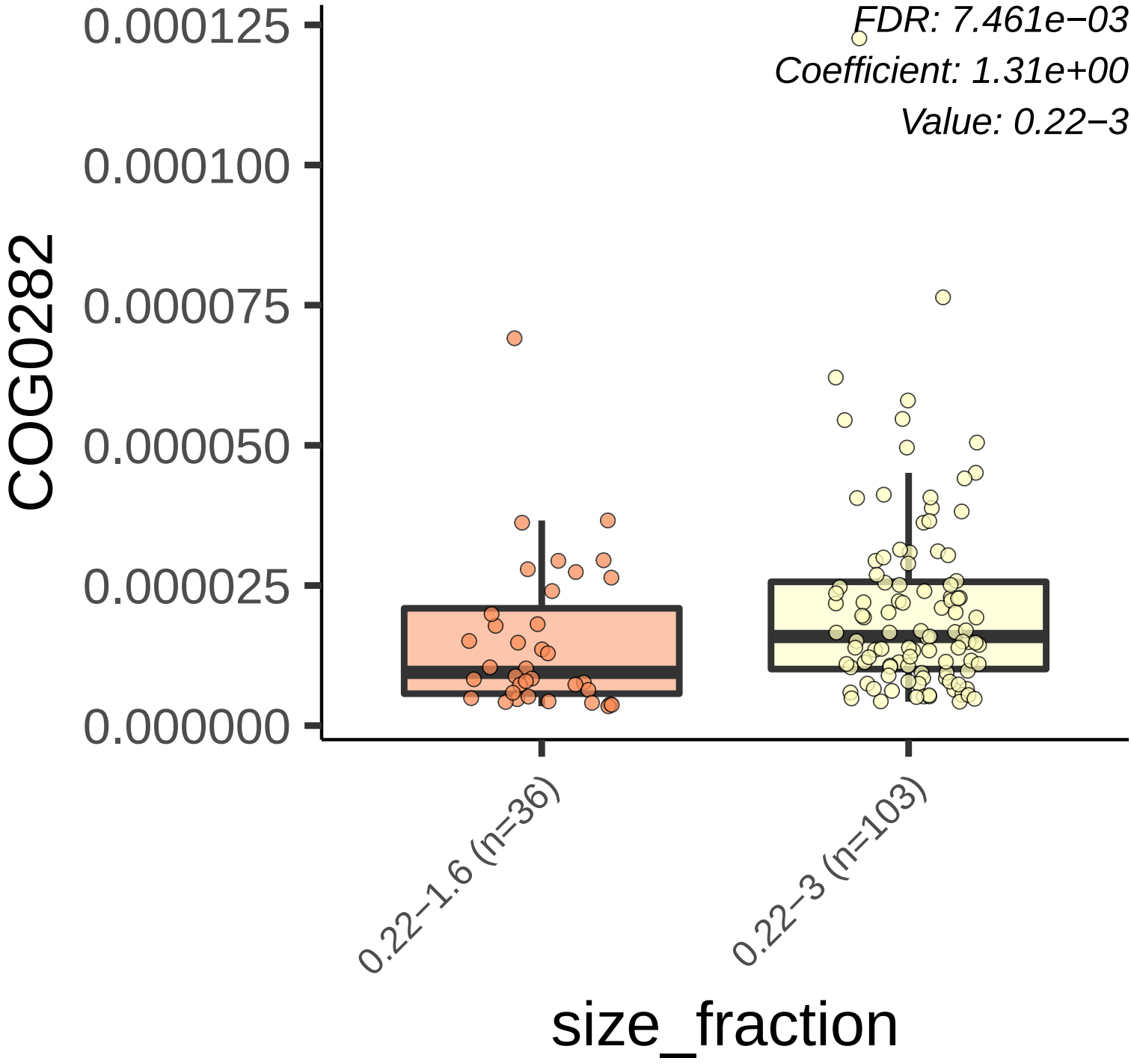

FDR: 7.153e−03
Coefficient: 5.02e−01
Value: 0.22−3
COG5557
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

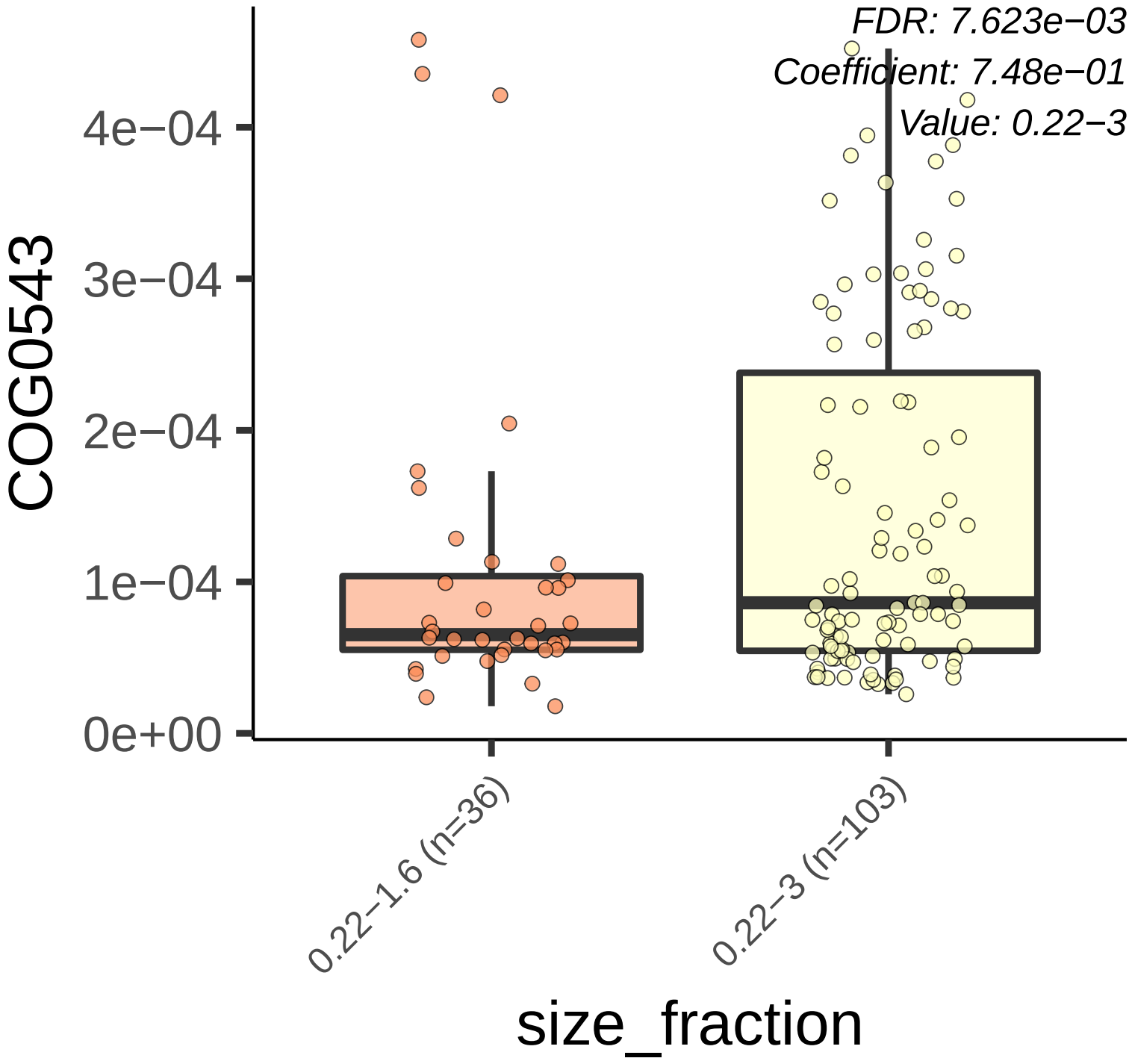

FDR: 7.157e−03
Coefficient: 2.75e+00
Value: 0.22−3
COG4297
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

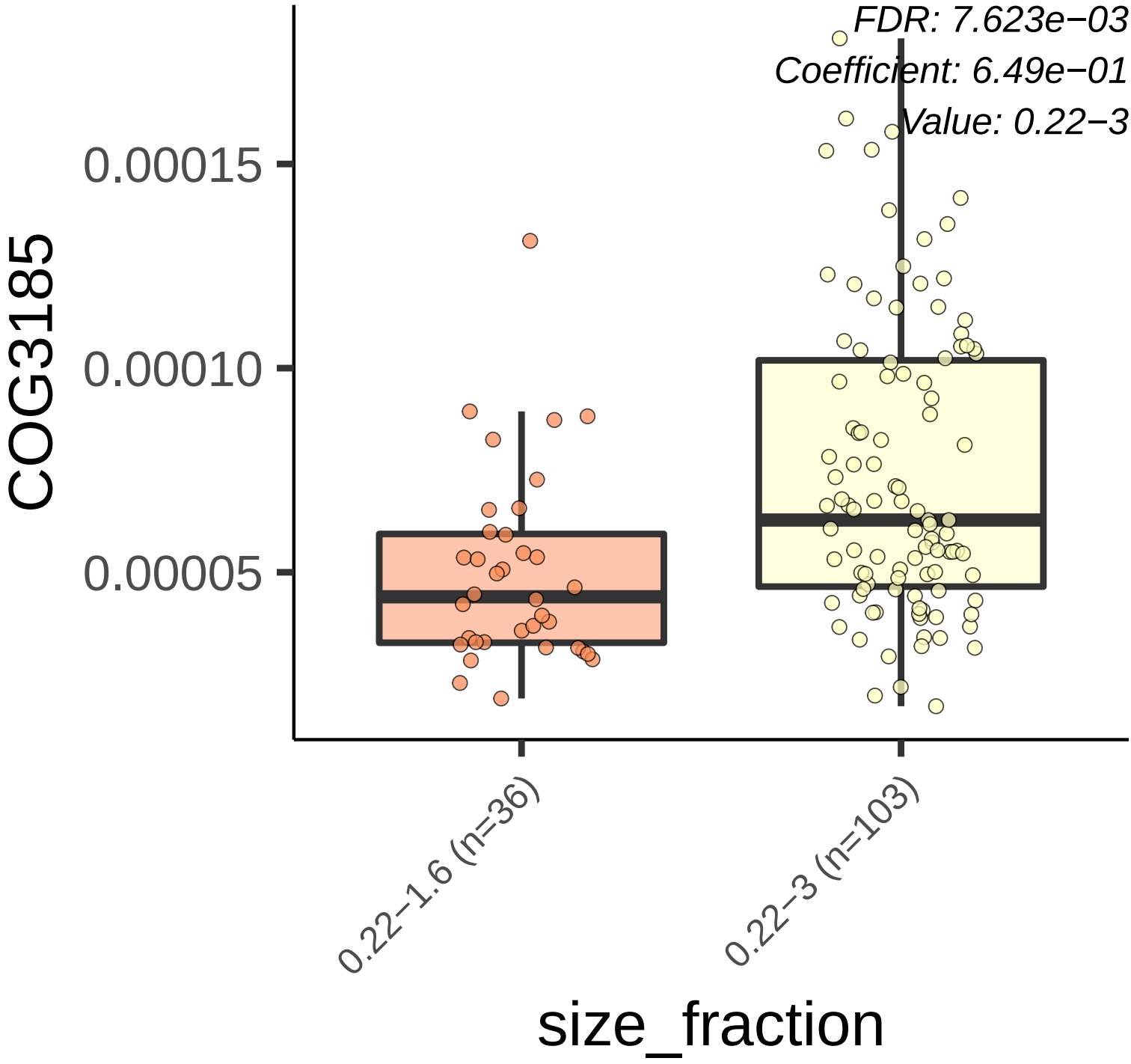

FDR: 7.197e−03
Coefficient: 8.47e−01
Value: 0.22−3
COG3071
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

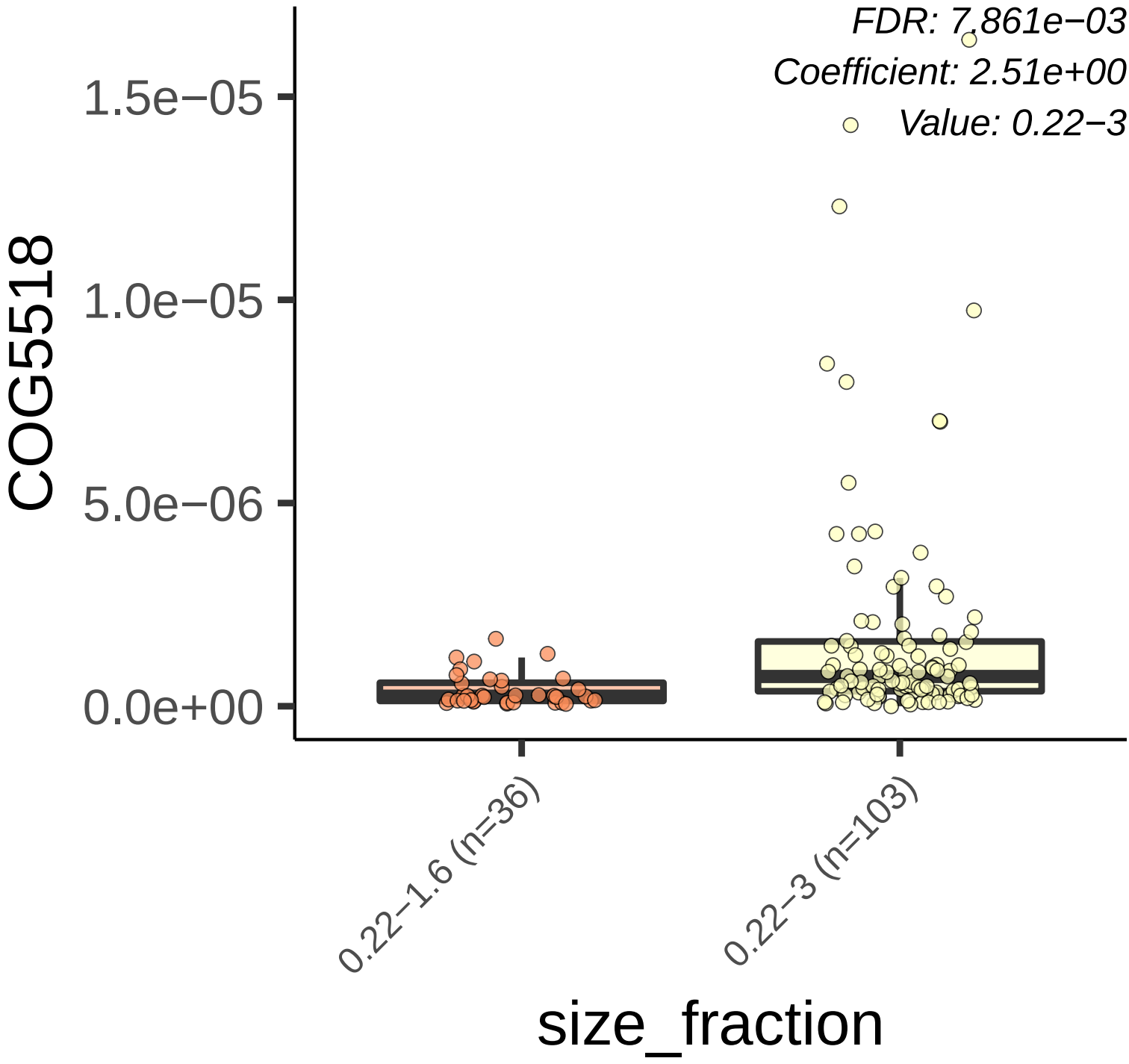

FDR: 7.327e−03
Coefficient: 1.07e+00
Value: 0.22−3
COG0163
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

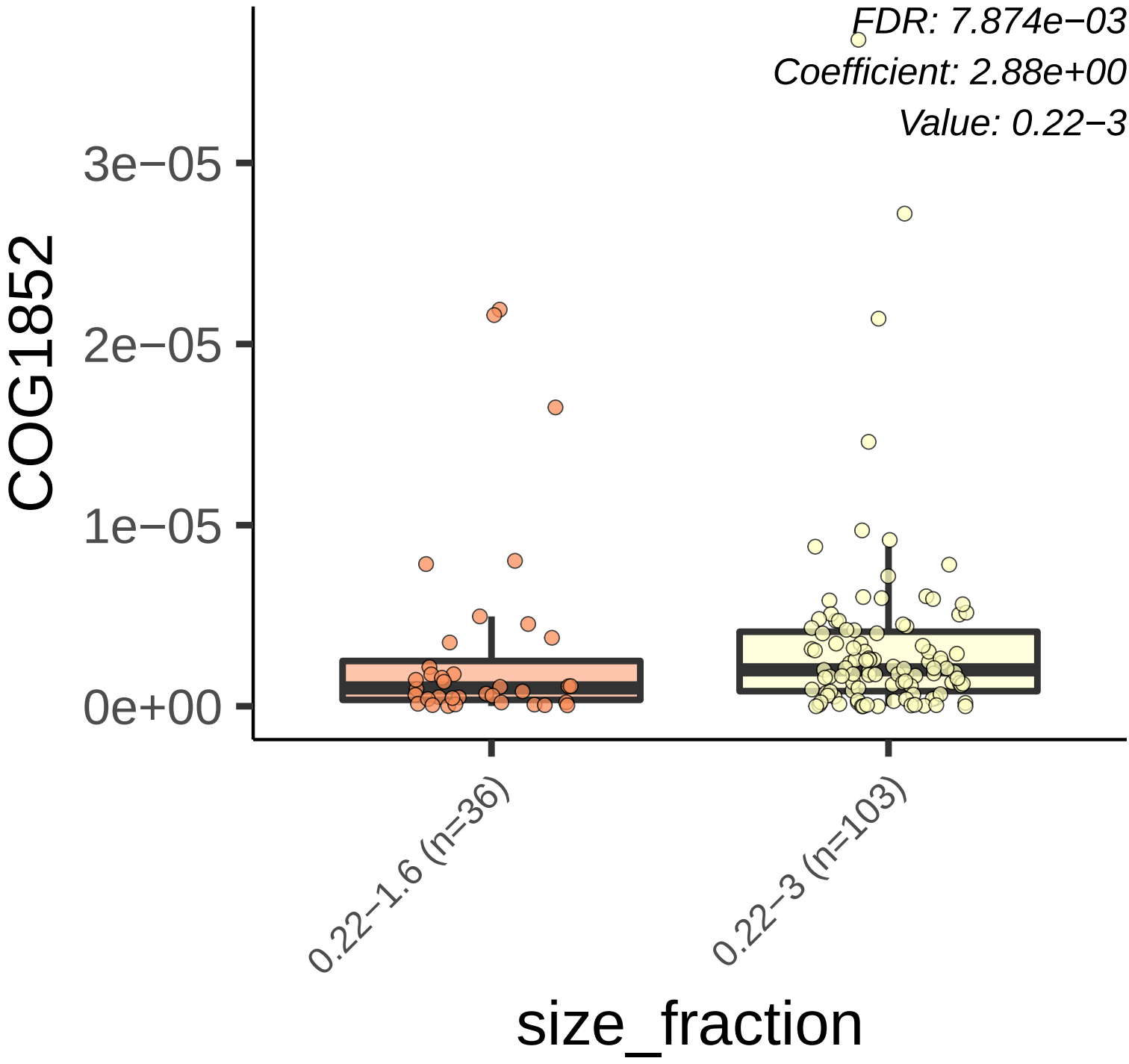

FDR: 7.327e−03
Coefficient: 1.15e+00
Value: 0.22−3
COG3979
0.00025
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

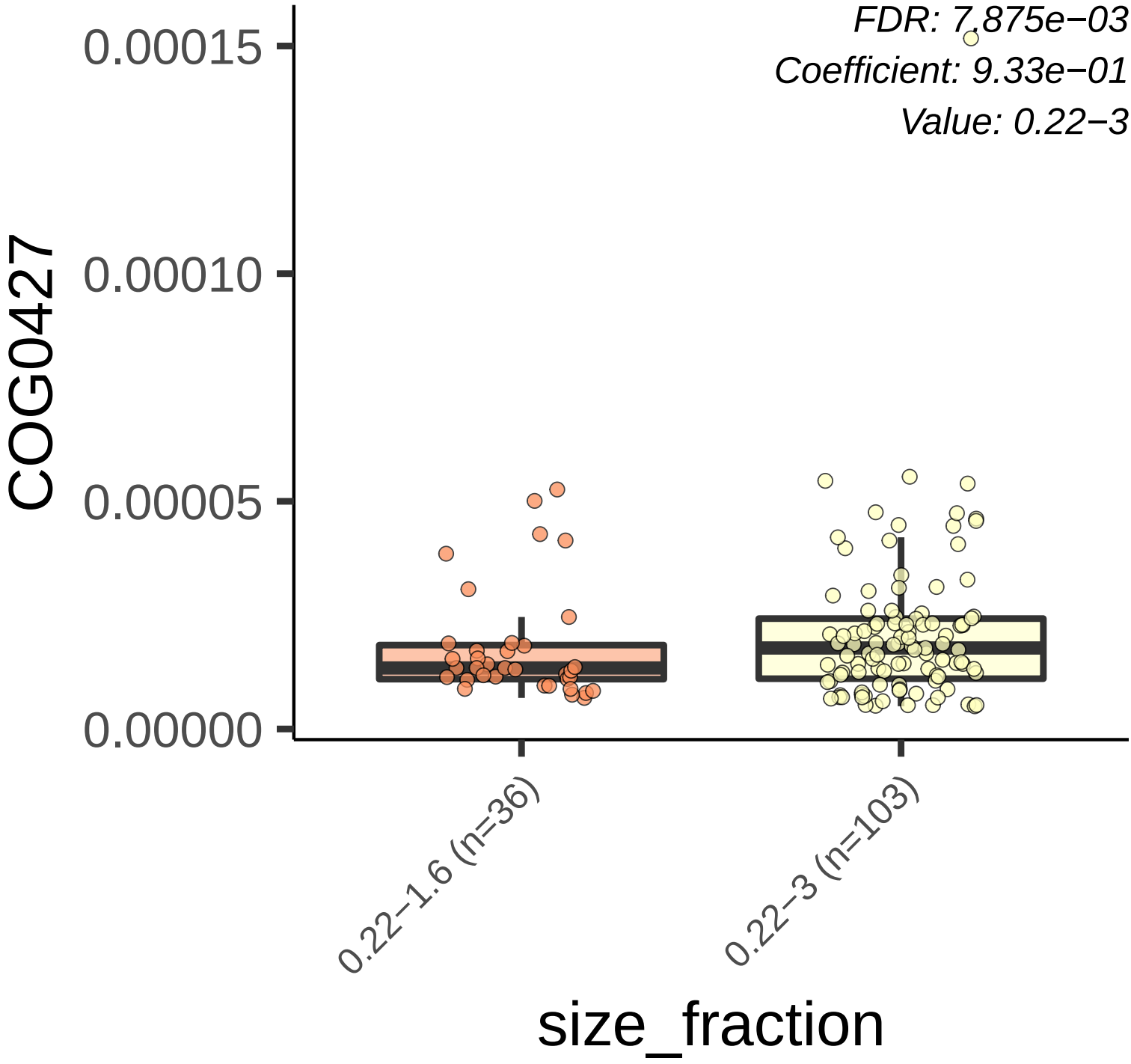

FDR: 7.461e−03
Coefficient: 1.31e+00
Value: 0.22−3
COG0282
0.000125
0.000100
0.000075
0.000050
0.000025
0.000000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

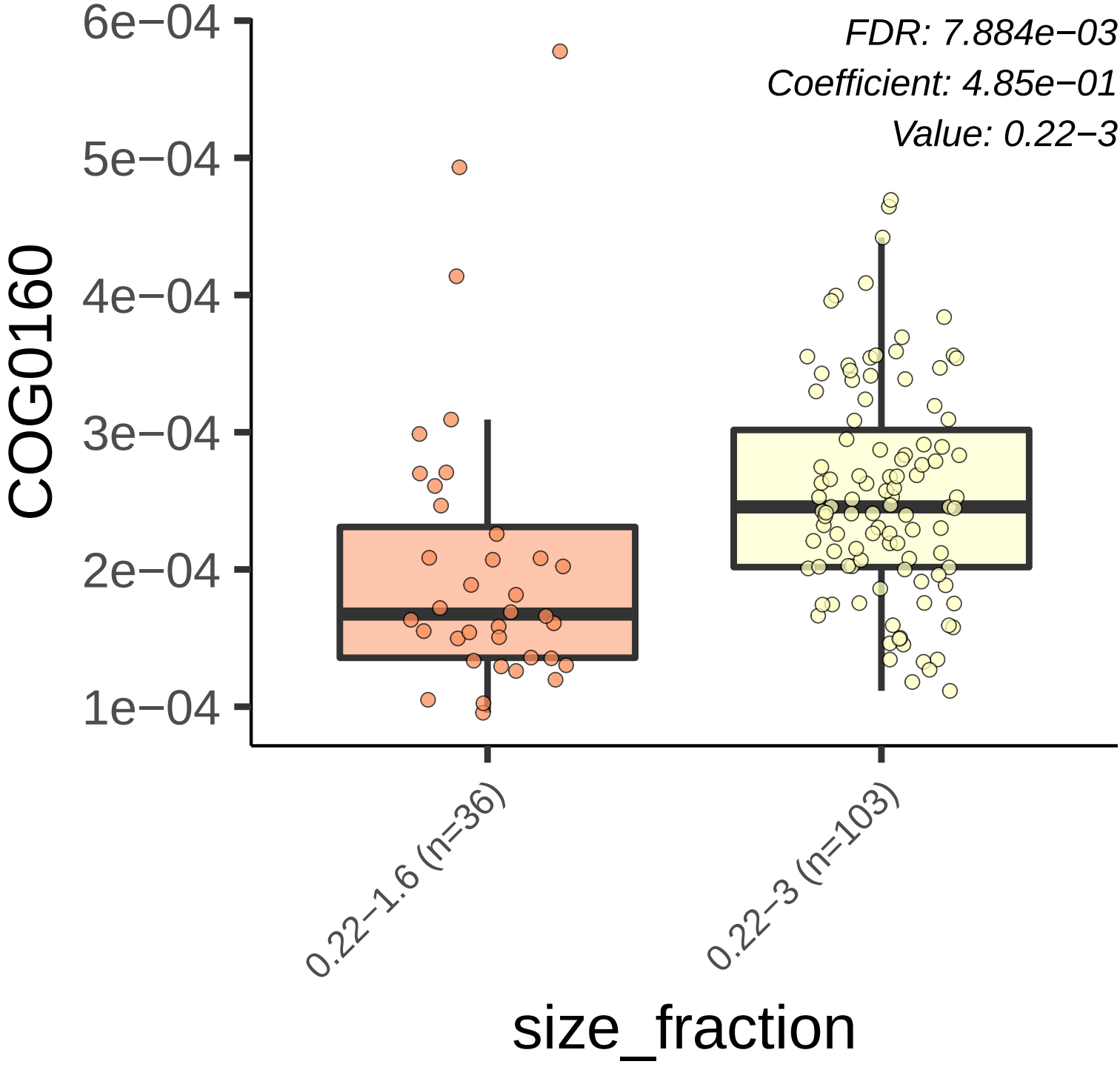

FDR: 7.623e−03
Coefficient: 7.48e−01
Value: 0.22−3
COG0543
4e−04
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

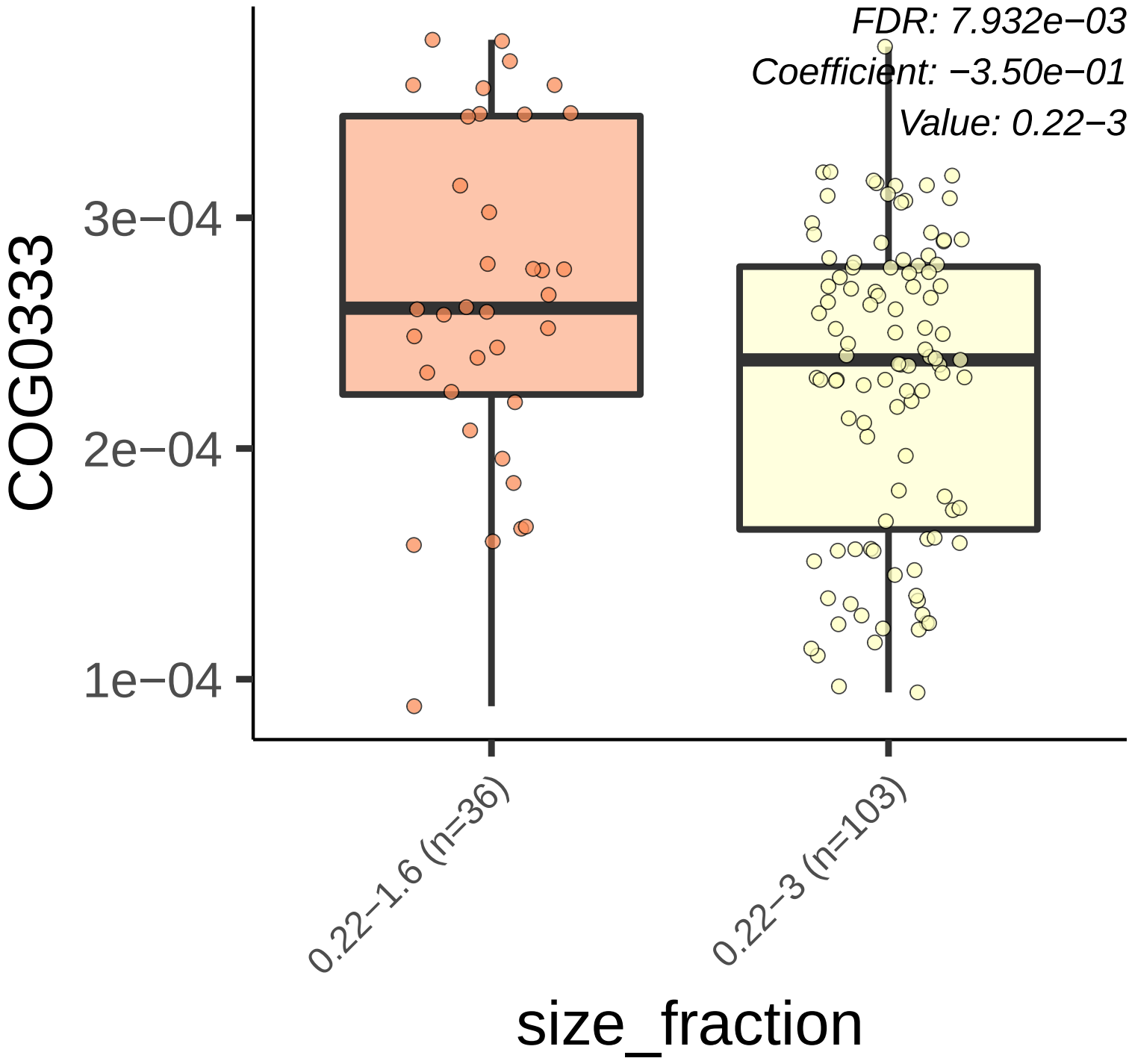

FDR: 7.623e−03
Coefficient: 6.49e−01
Value: 0.22−3
COG3185
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

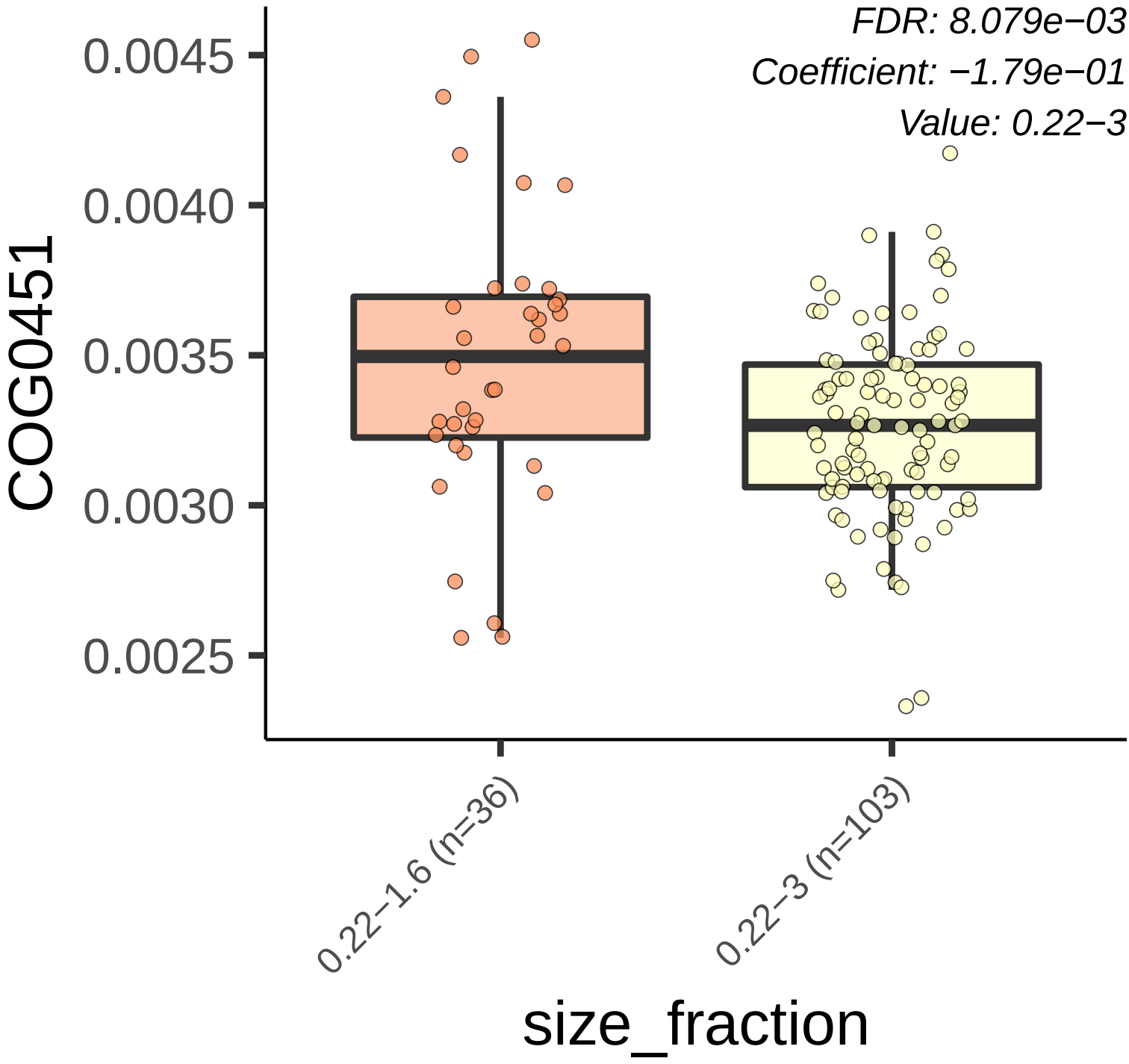

FDR: 7.861e−03
Coefficient: 2.51e+00
Value: 0.22−3
COG5518
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 7.874e−03
Coefficient: 2.88e+00
Value: 0.22−3
COG1852
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 7.875e−03
Coefficient: 9.33e−01
Value: 0.22−3
COG0427
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 7.884e−03
Coefficient: 4.85e−01
Value: 0.22−3
COG0160
6e−04
5e−04
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 7.932e−03
Coefficient: −3.50e−01
Value: 0.22−3
COG0333
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 8.079e−03
Coefficient: −1.79e−01
Value: 0.22−3
COG0451
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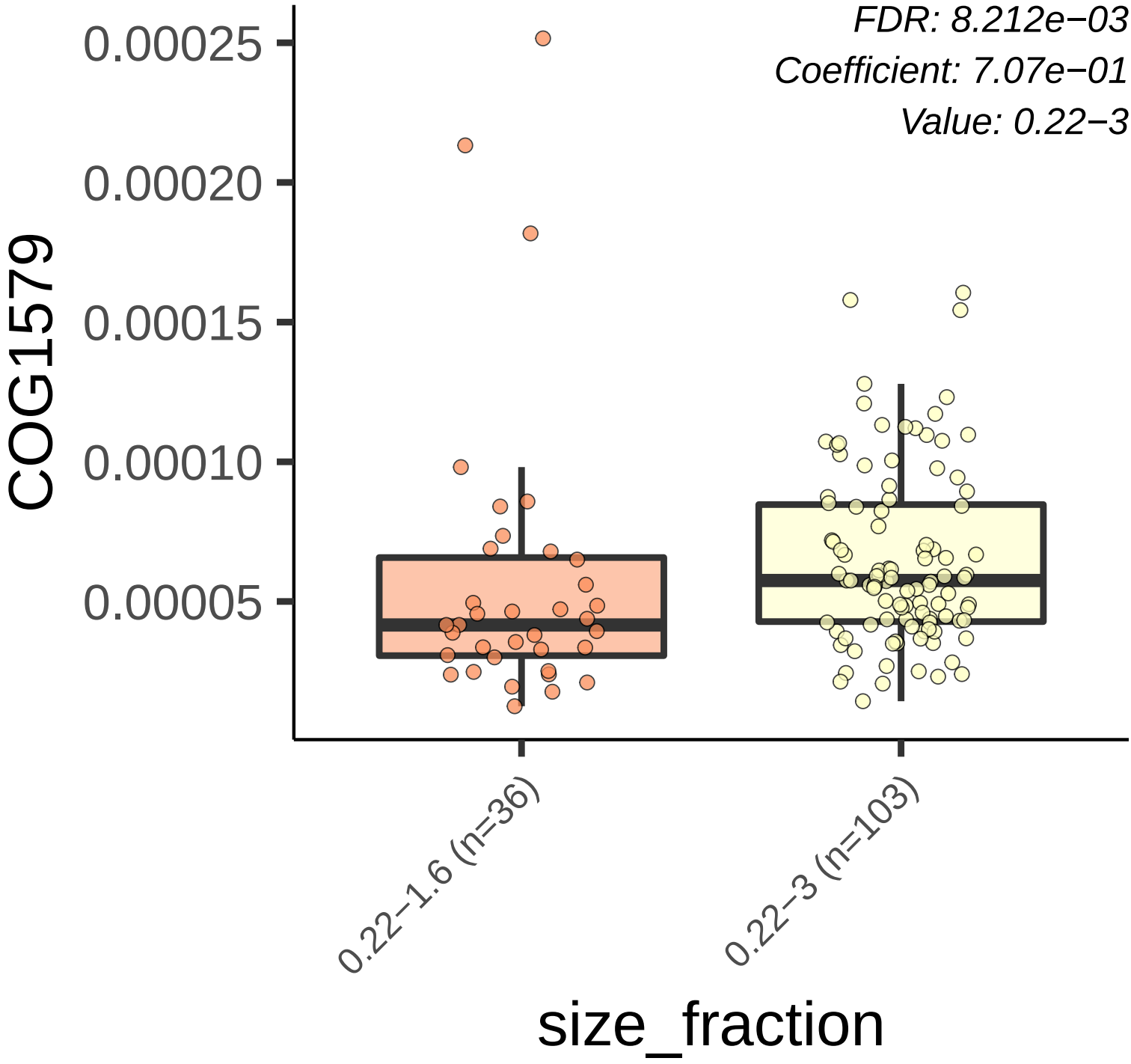
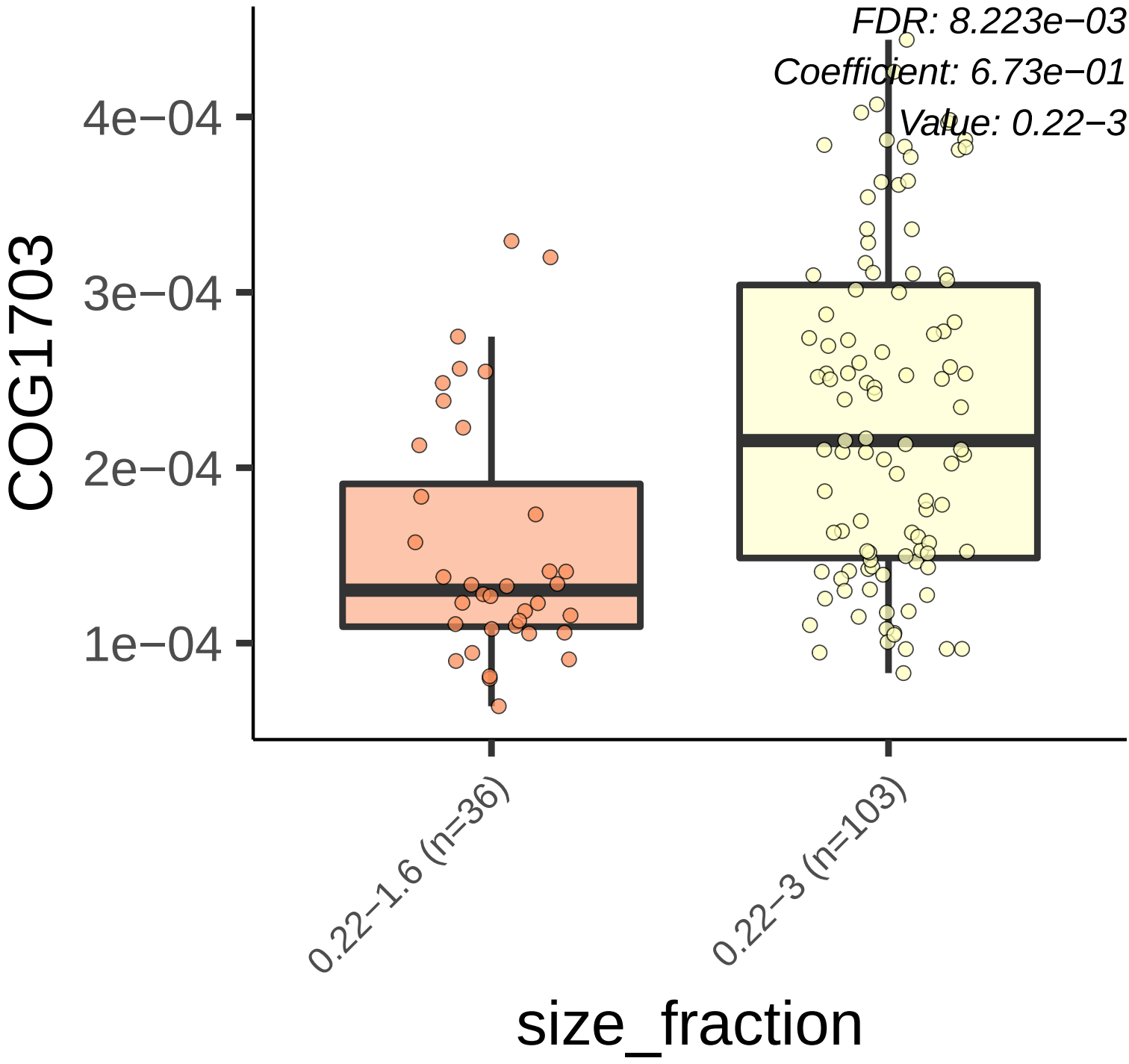
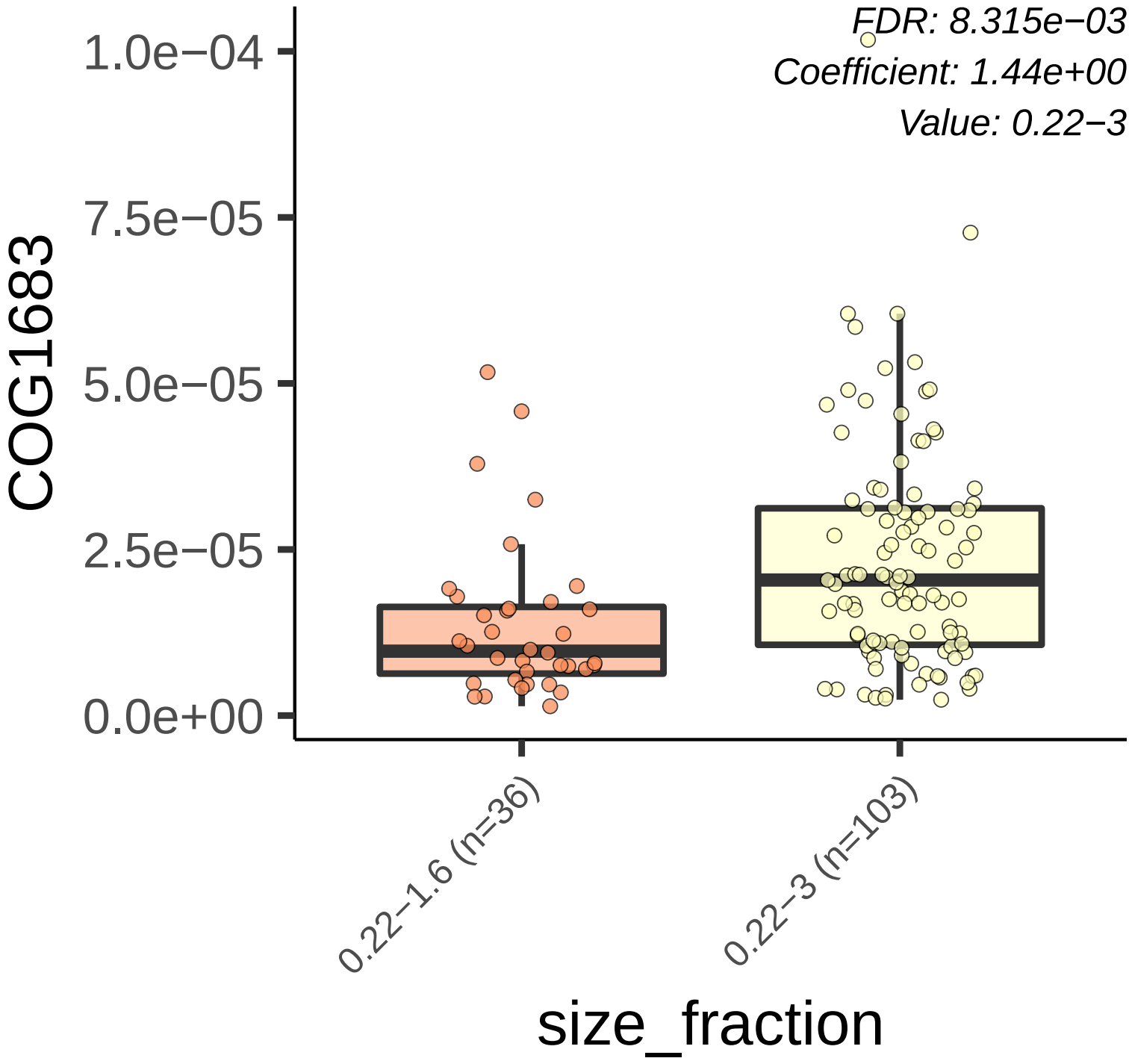
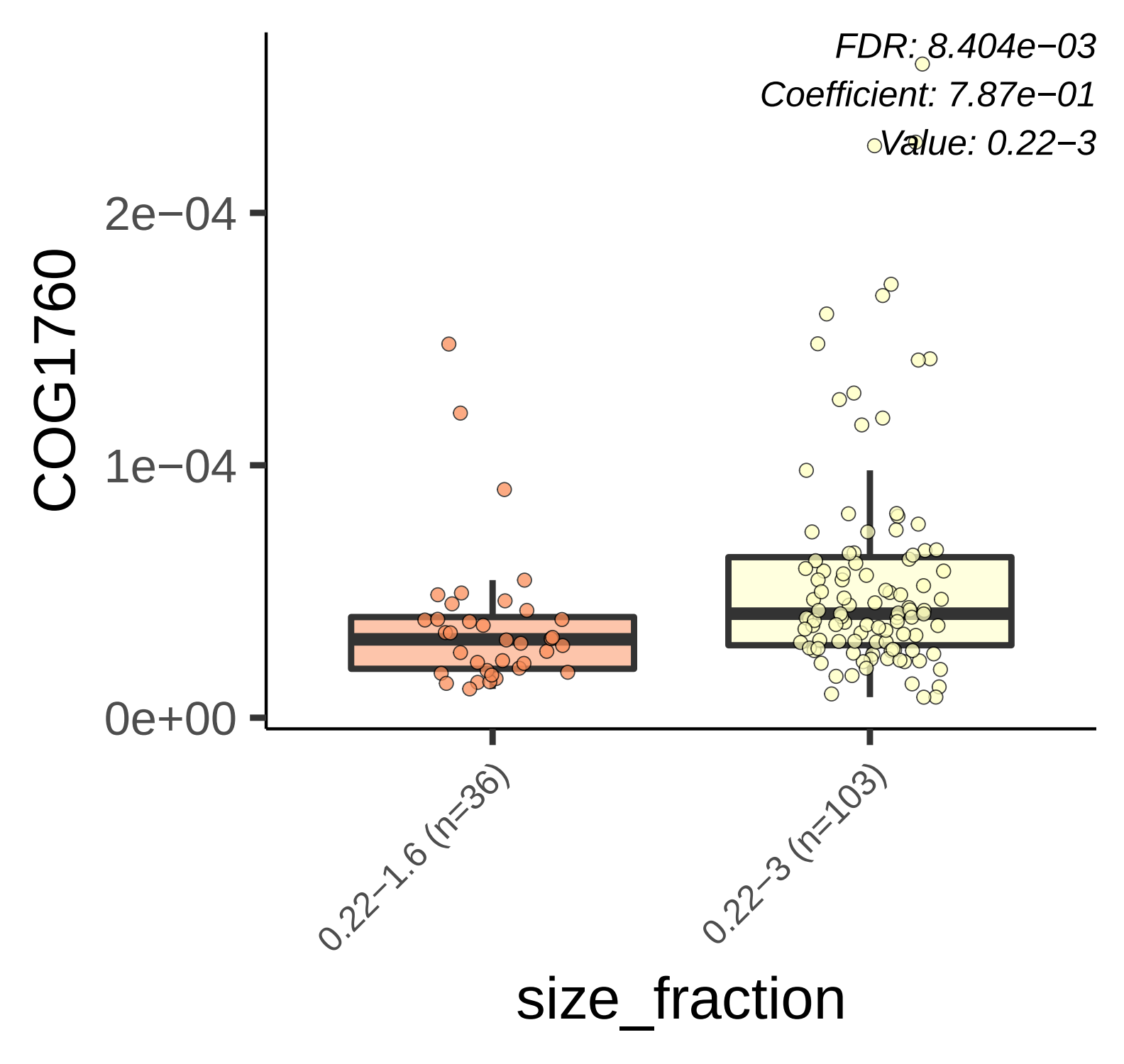
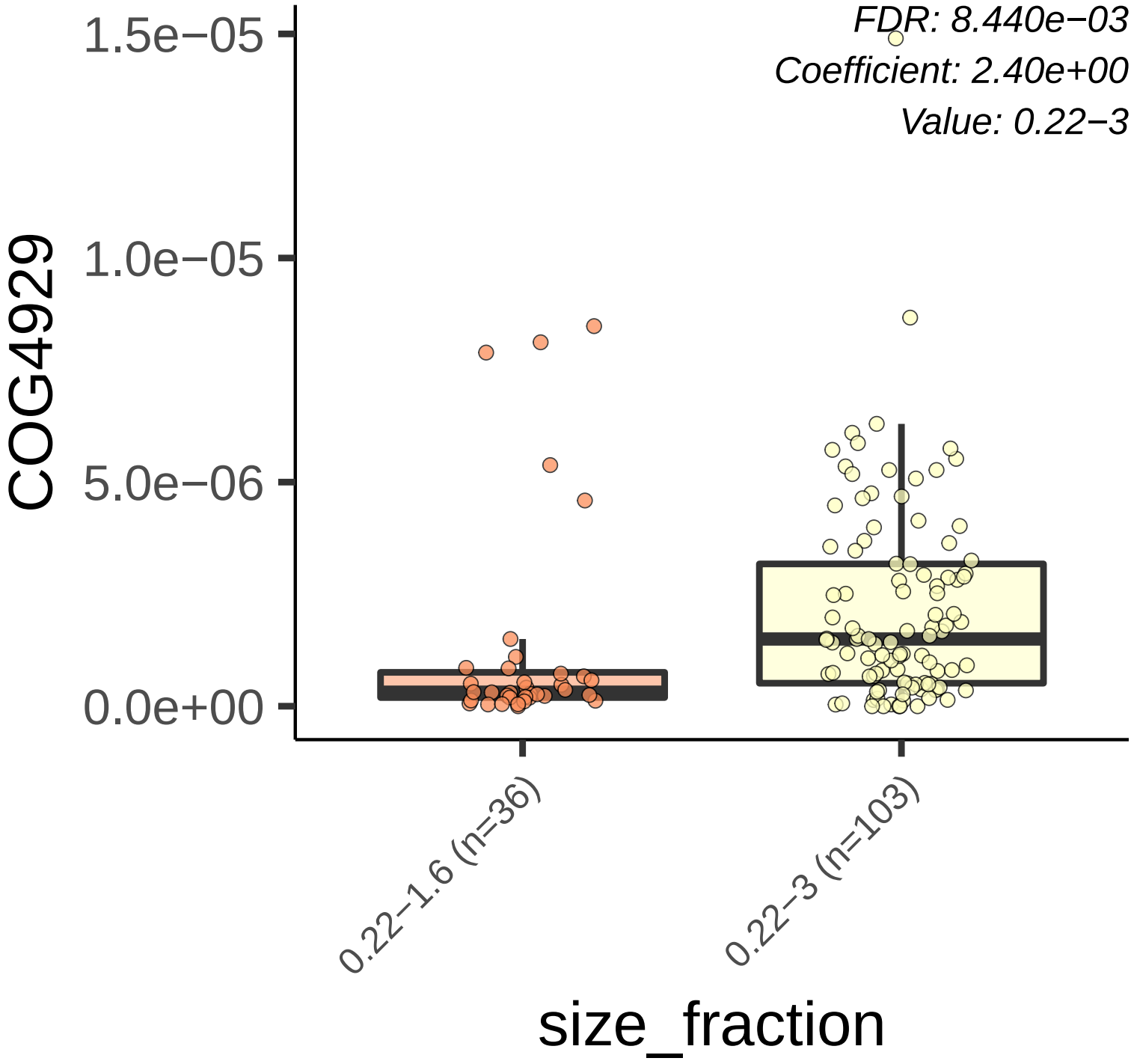
0.0040
0.0035
0.0030
0.0025
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

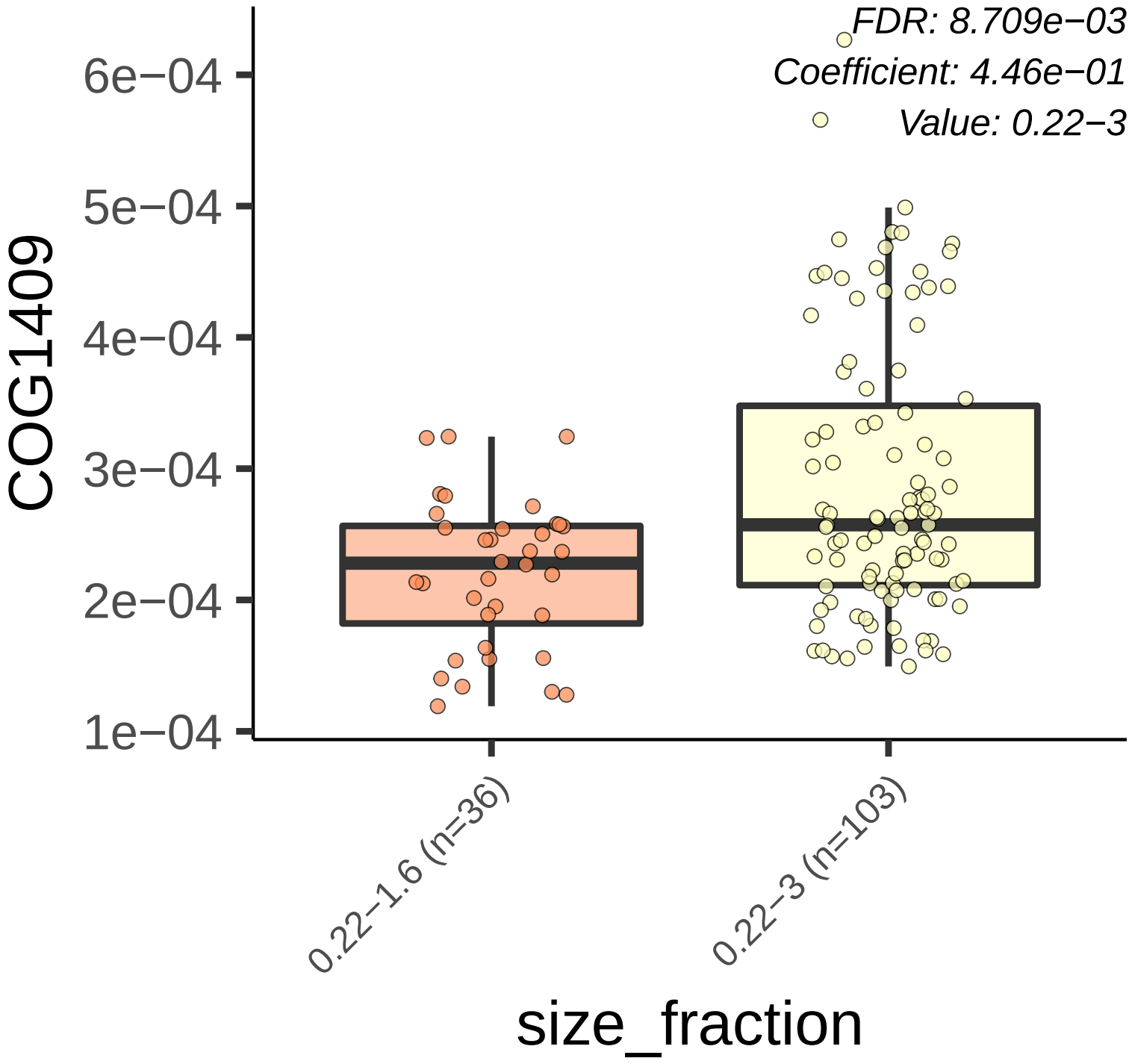

FDR: 8.212e−03
Coefficient: 7.07e−01
Value: 0.22−3
COG1579
0.00025
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

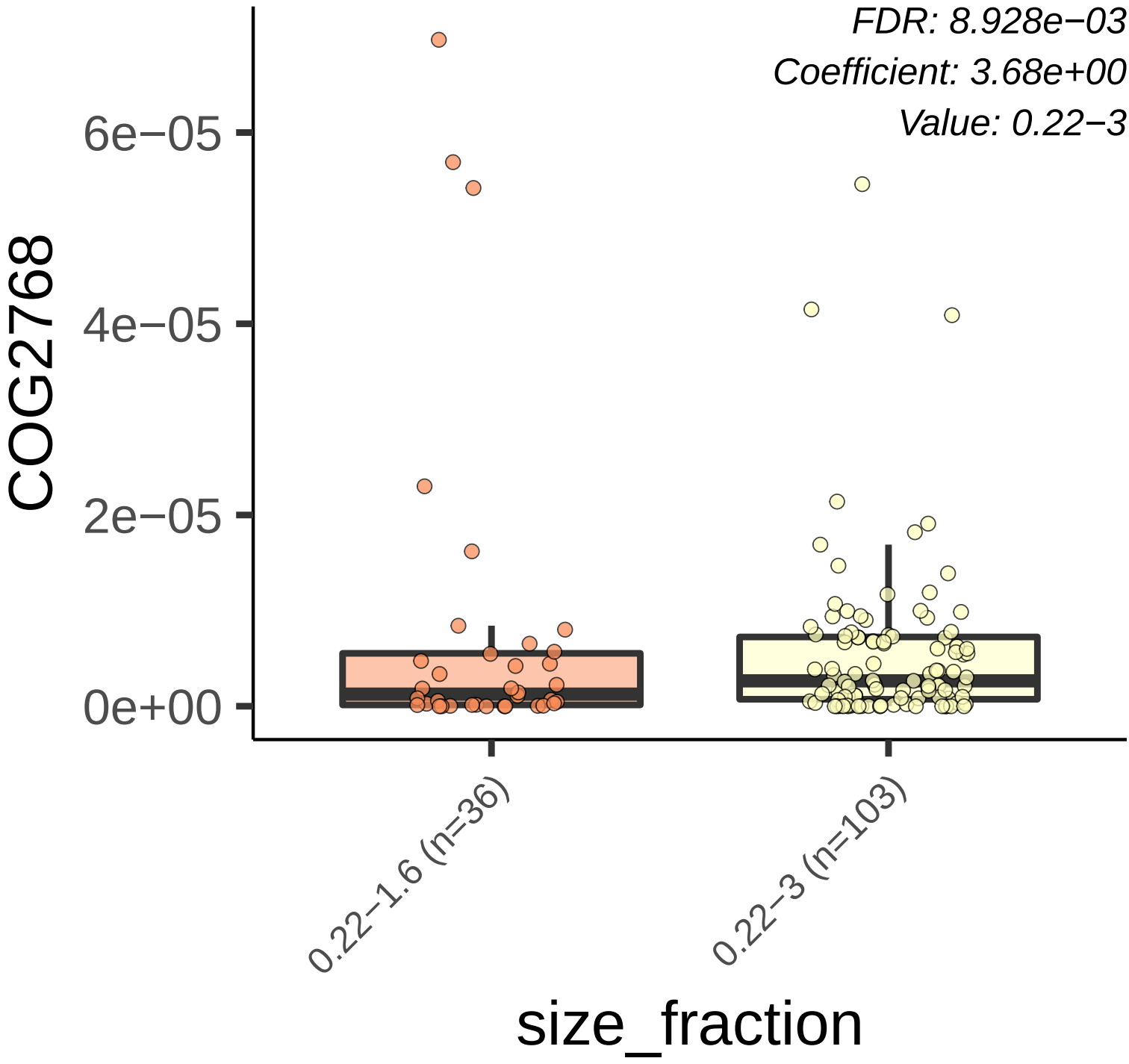

FDR: 8.223e−03
Coefficient: 6.73e−01
Value: 0.22−3
COG1703
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

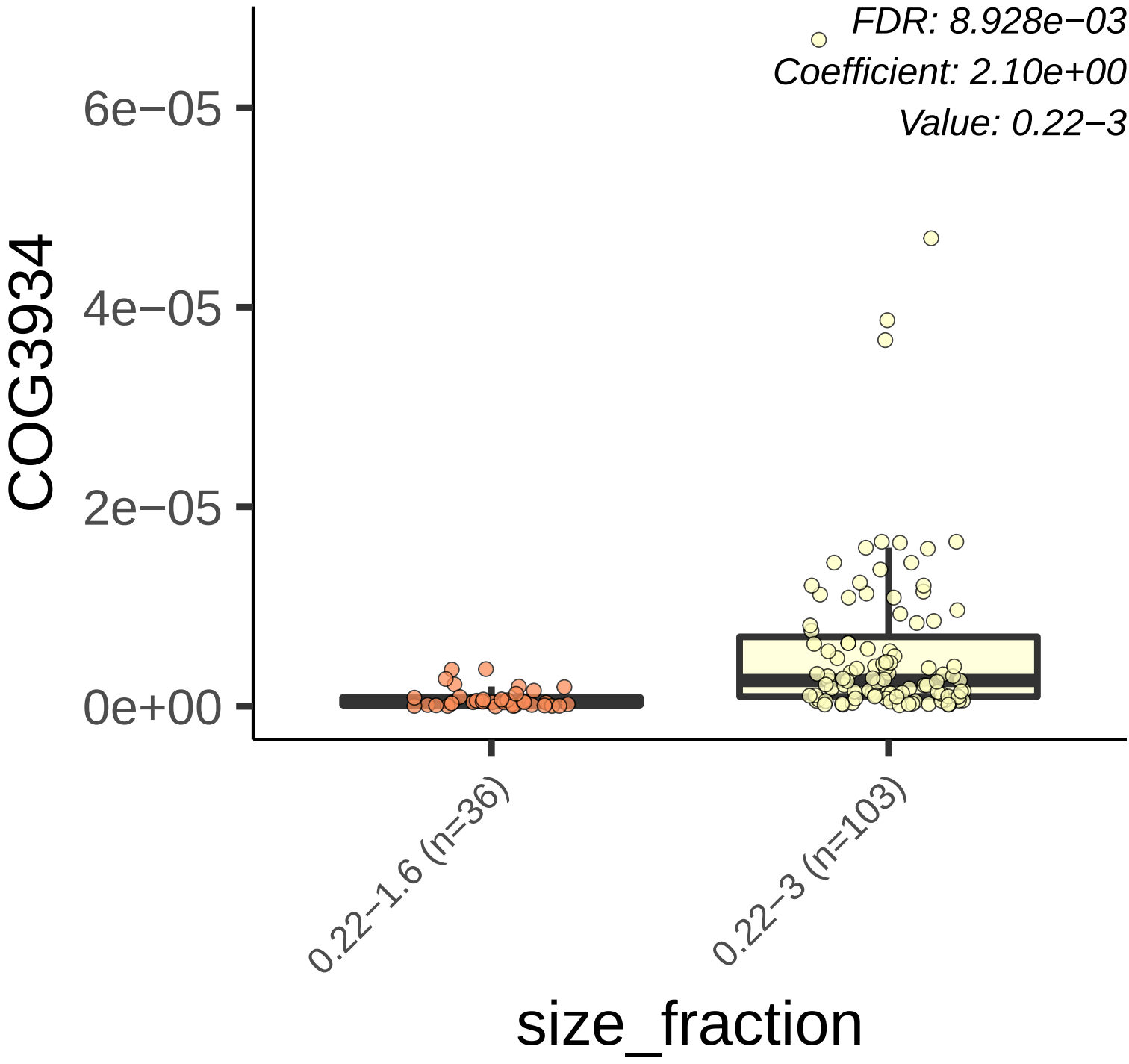

FDR: 8.315e−03
Coefficient: 1.44e+00
Value: 0.22−3
COG1683
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

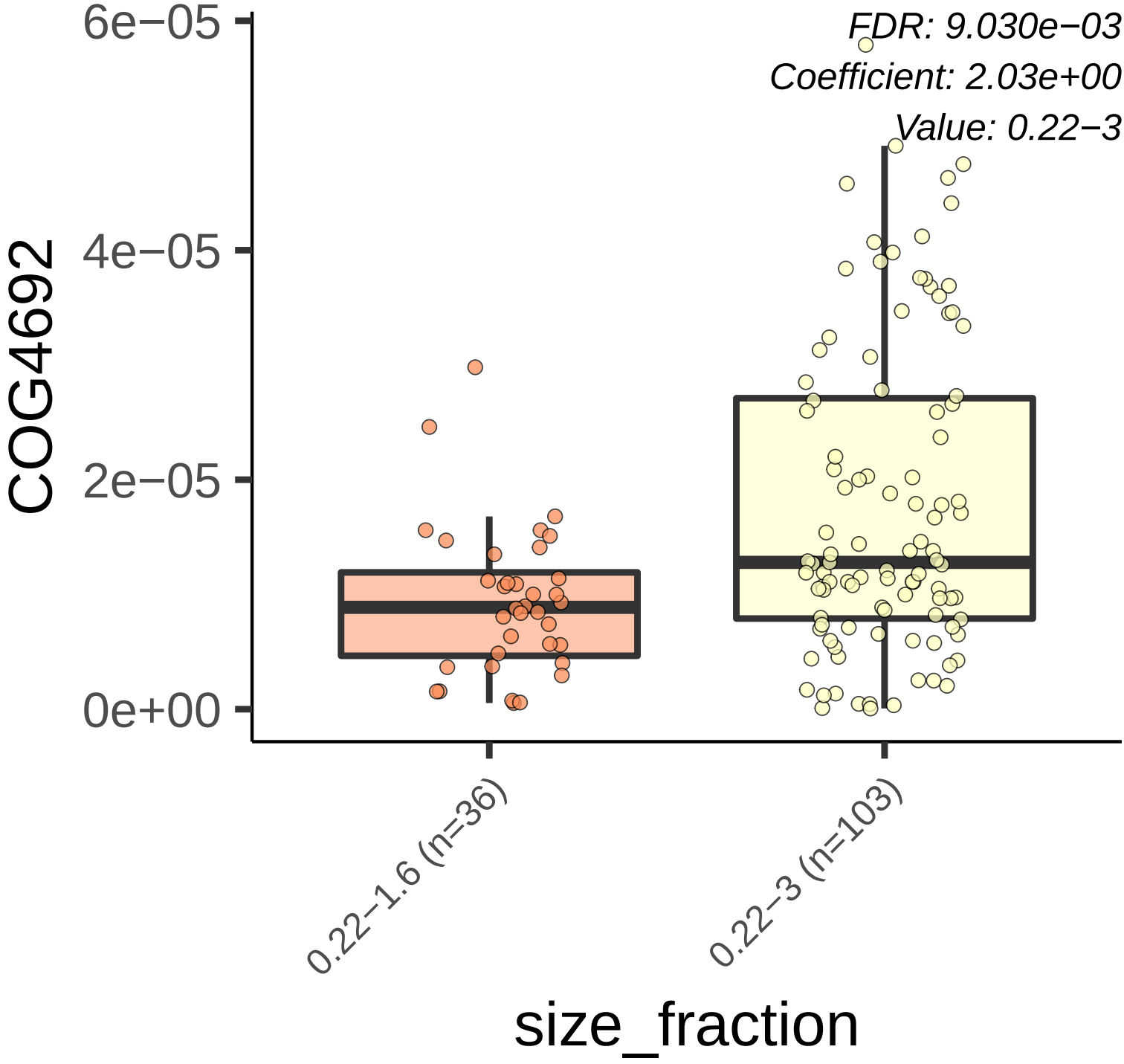

FDR: 8.404e−03
Coefficient: 7.87e−01
Value: 0.22−3
COG1760
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

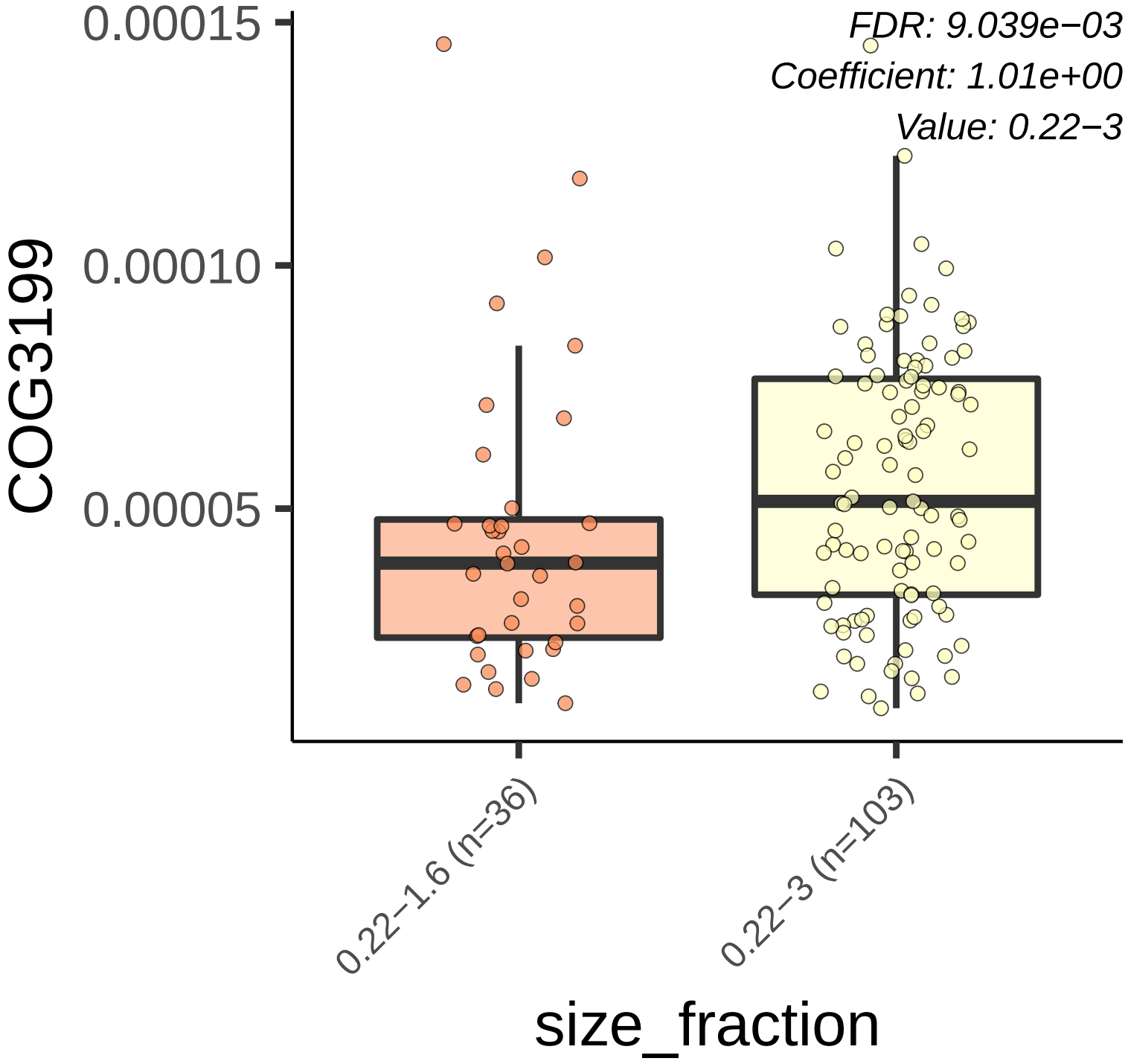

FDR: 8.440e−03
Coefficient: 2.40e+00
Value: 0.22−3
COG4929
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

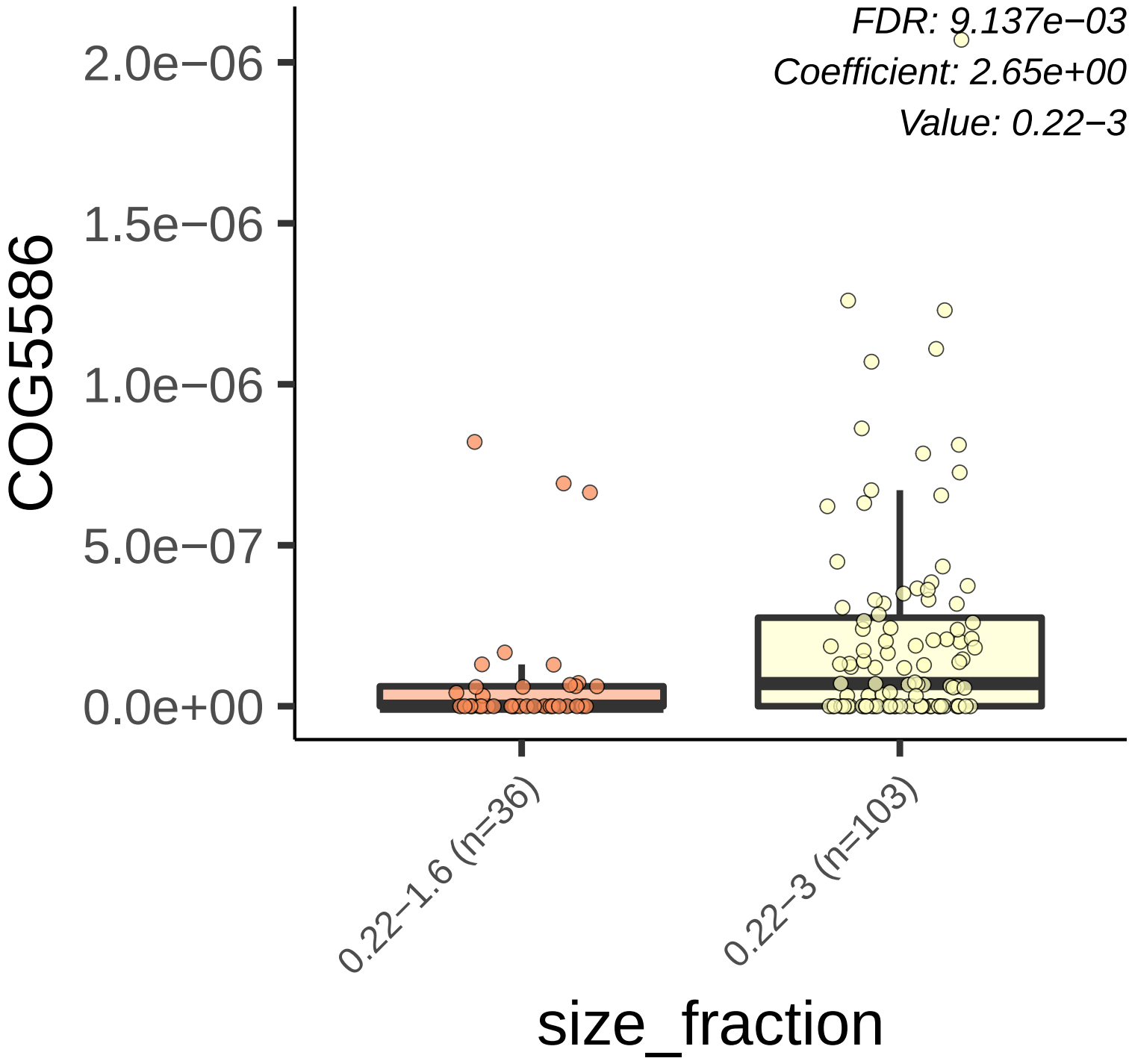

FDR: 8.709e−03
Coefficient: 4.46e−01
Value: 0.22−3
COG1409
6e−04
5e−04
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

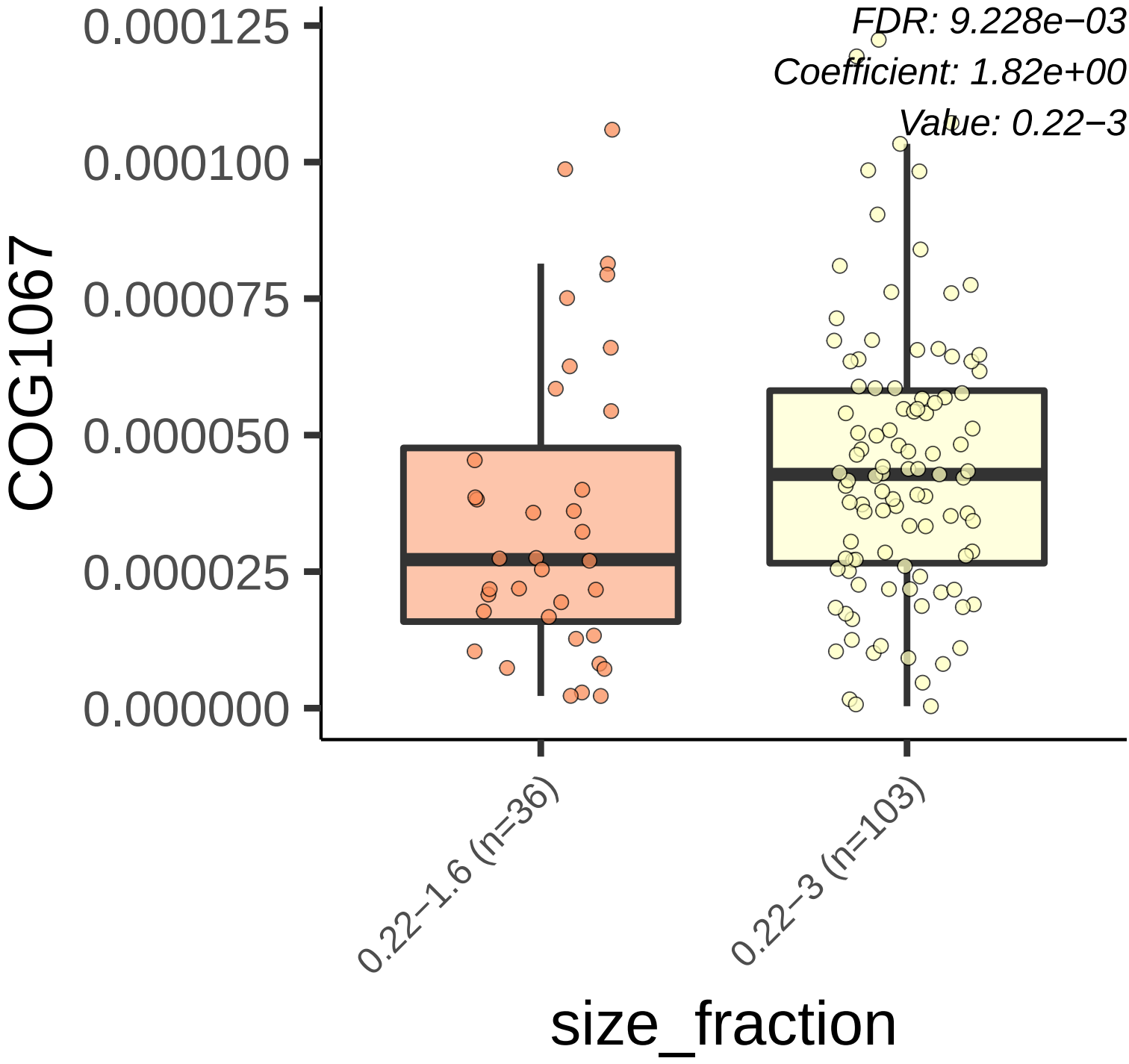

FDR: 8.928e−03
Coefficient: 3.68e+00
Value: 0.22−3
COG2768
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

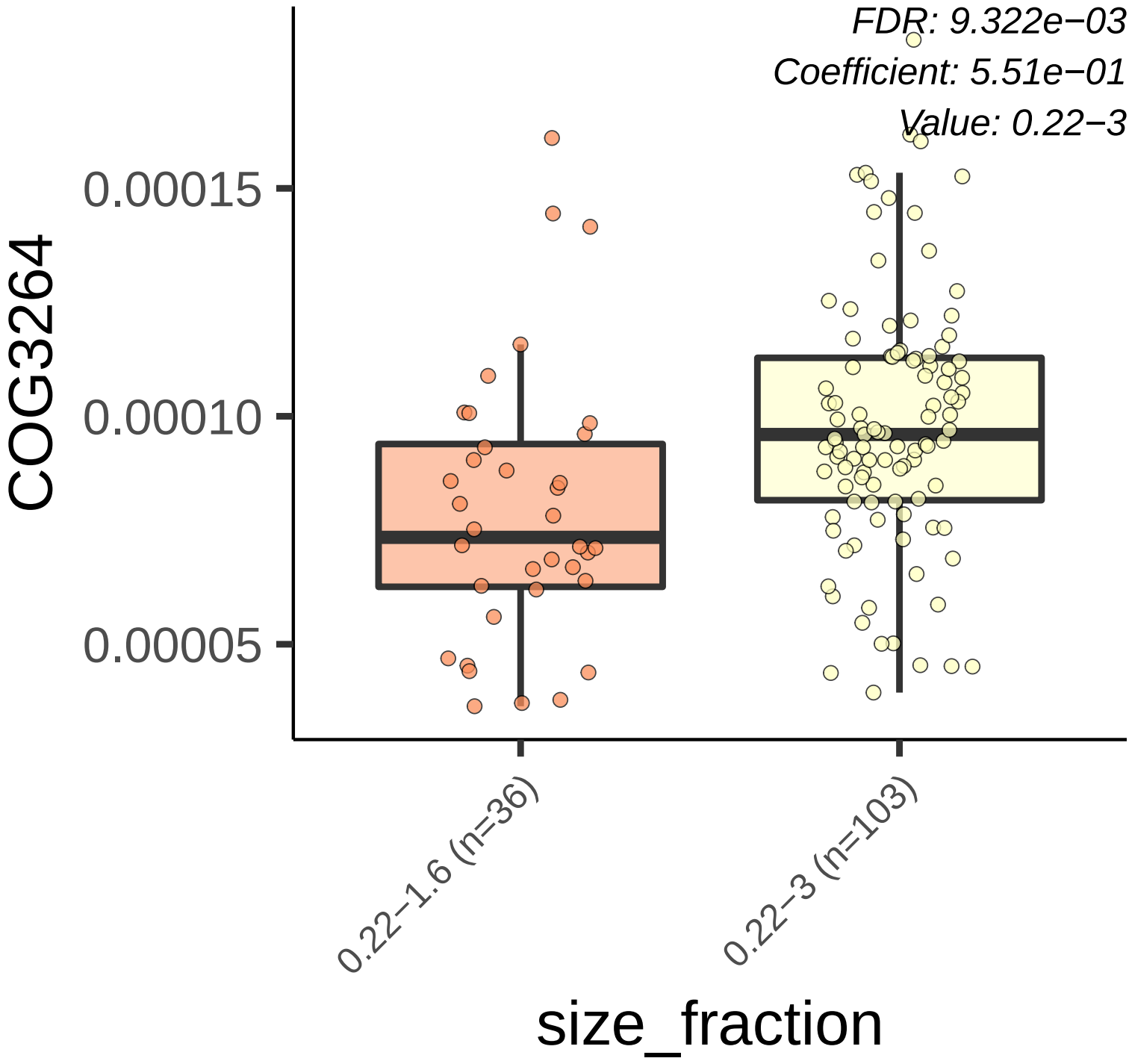

FDR: 8.928e−03
Coefficient: 2.10e+00
Value: 0.22−3
COG3934
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

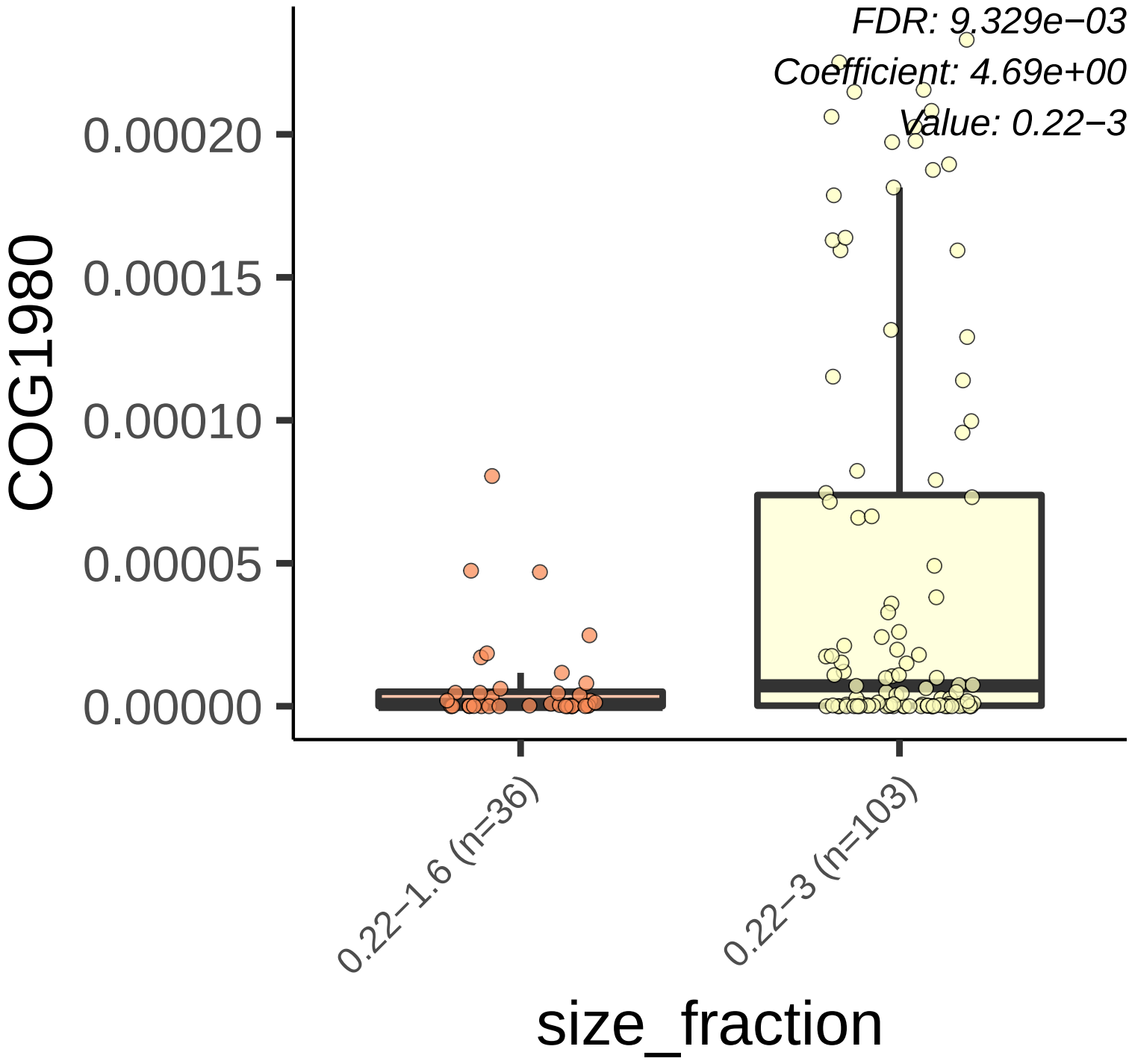

FDR: 9.030e−03
Coefficient: 2.03e+00
Value: 0.22−3
COG4692
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

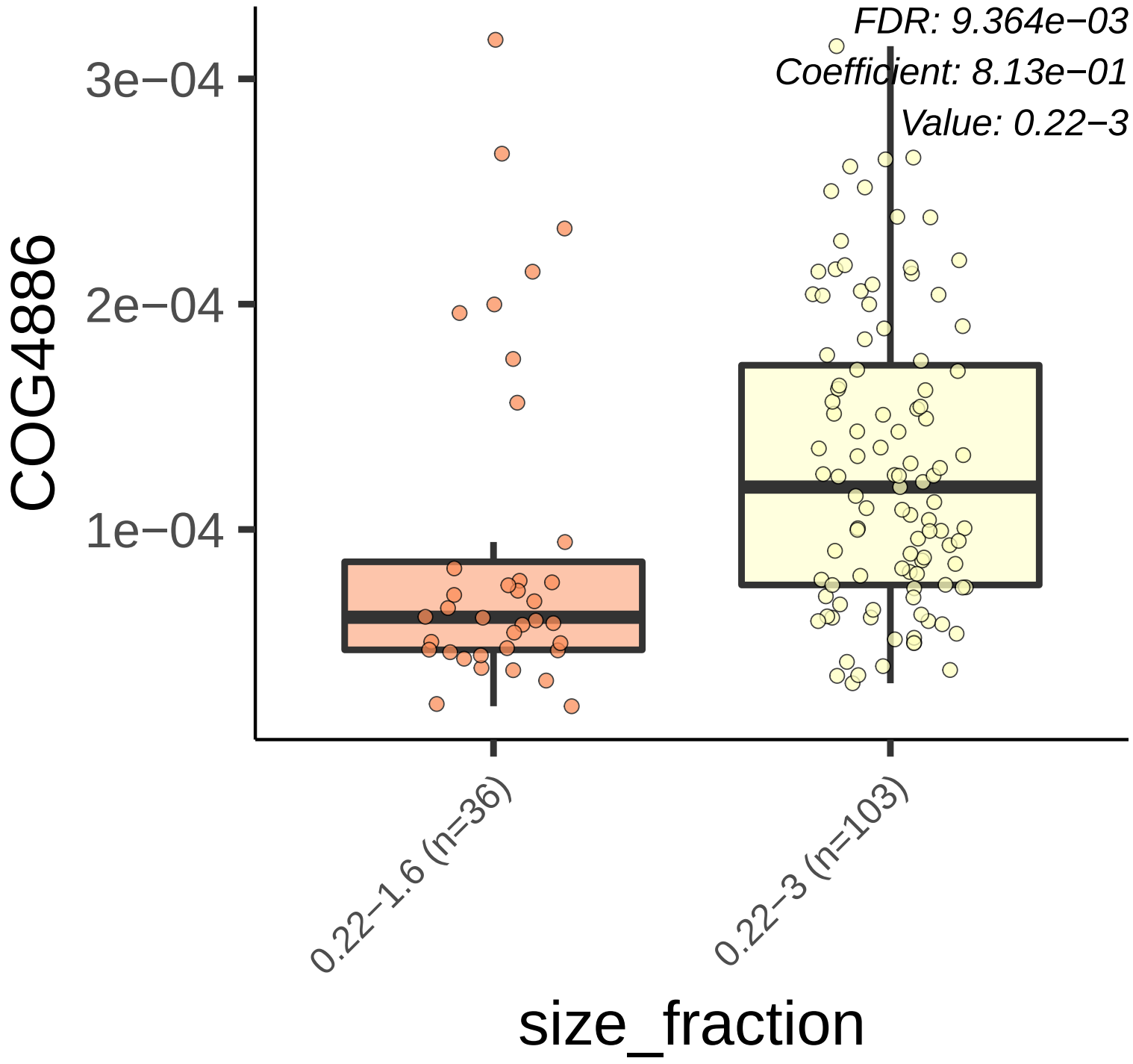

FDR: 9.039e−03
Coefficient: 1.01e+00
Value: 0.22−3
COG3199
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

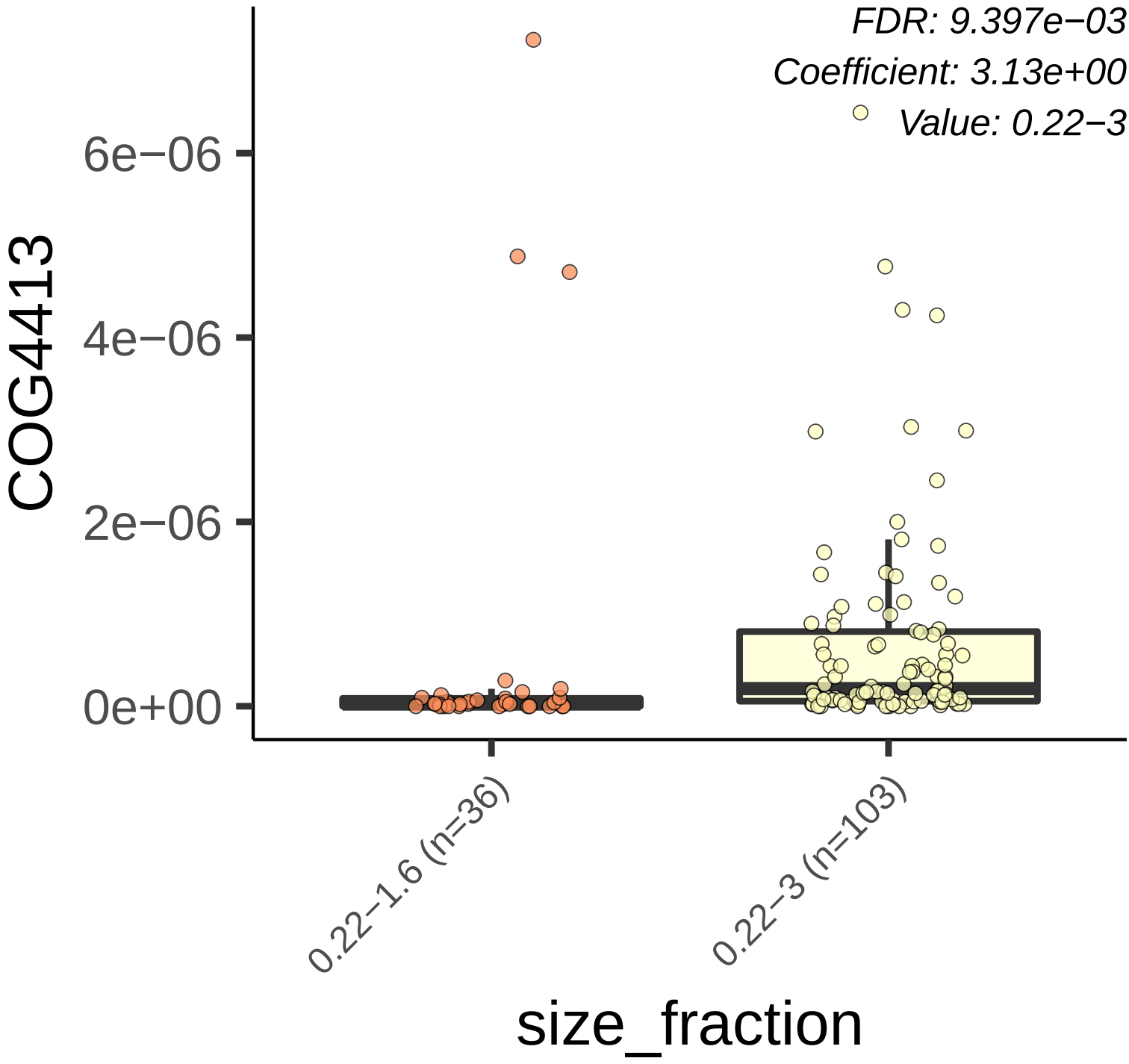

FDR: 9.137e−03
Coefficient: 2.65e+00
Value: 0.22−3
COG5586
2.0e−06
1.5e−06
1.0e−06
5.0e−07
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

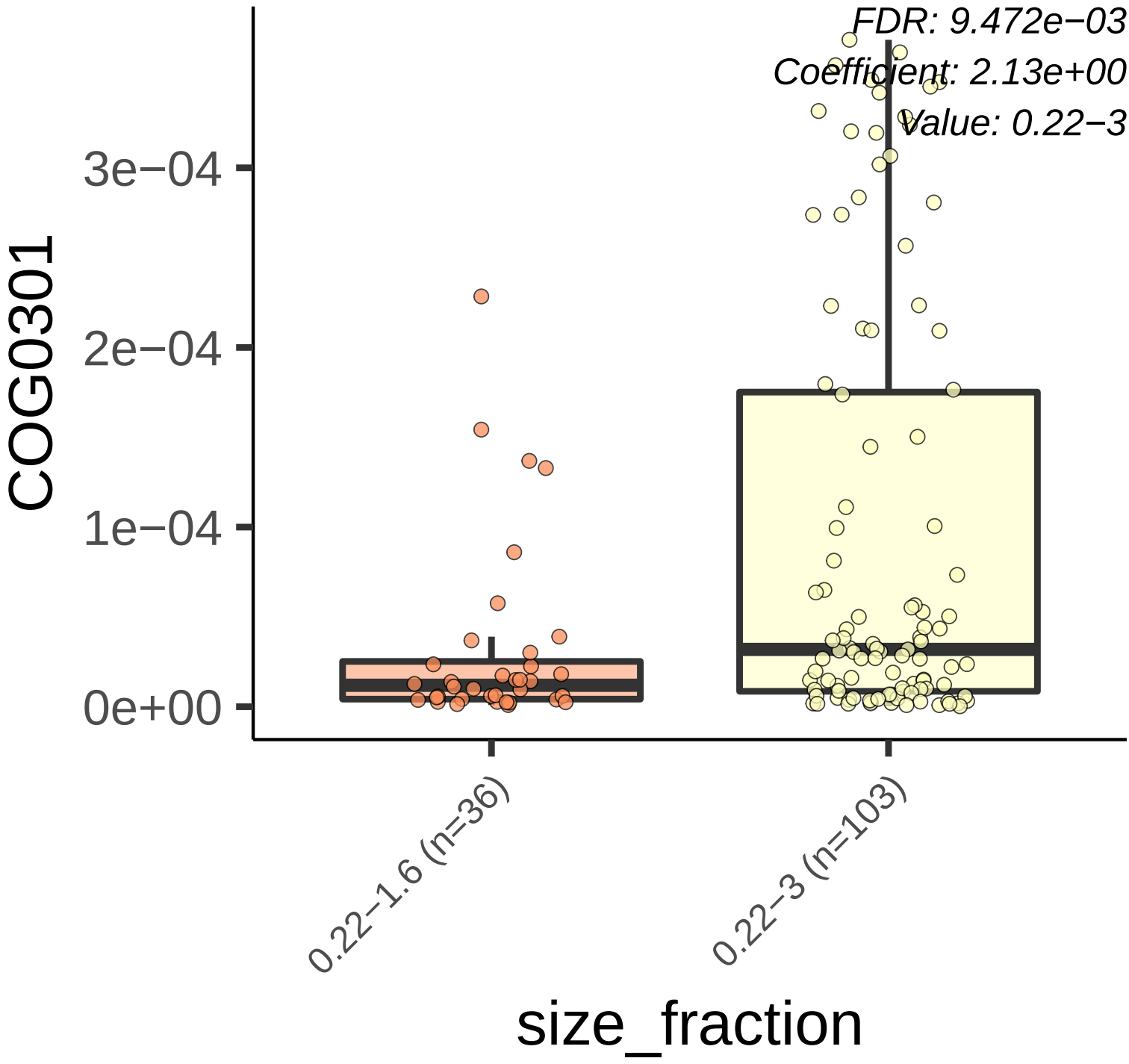

FDR: 9.228e−03
Coefficient: 1.82e+00
Value: 0.22−3
COG1067
0.000125
0.000100
0.000075
0.000050
0.000025
0.000000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

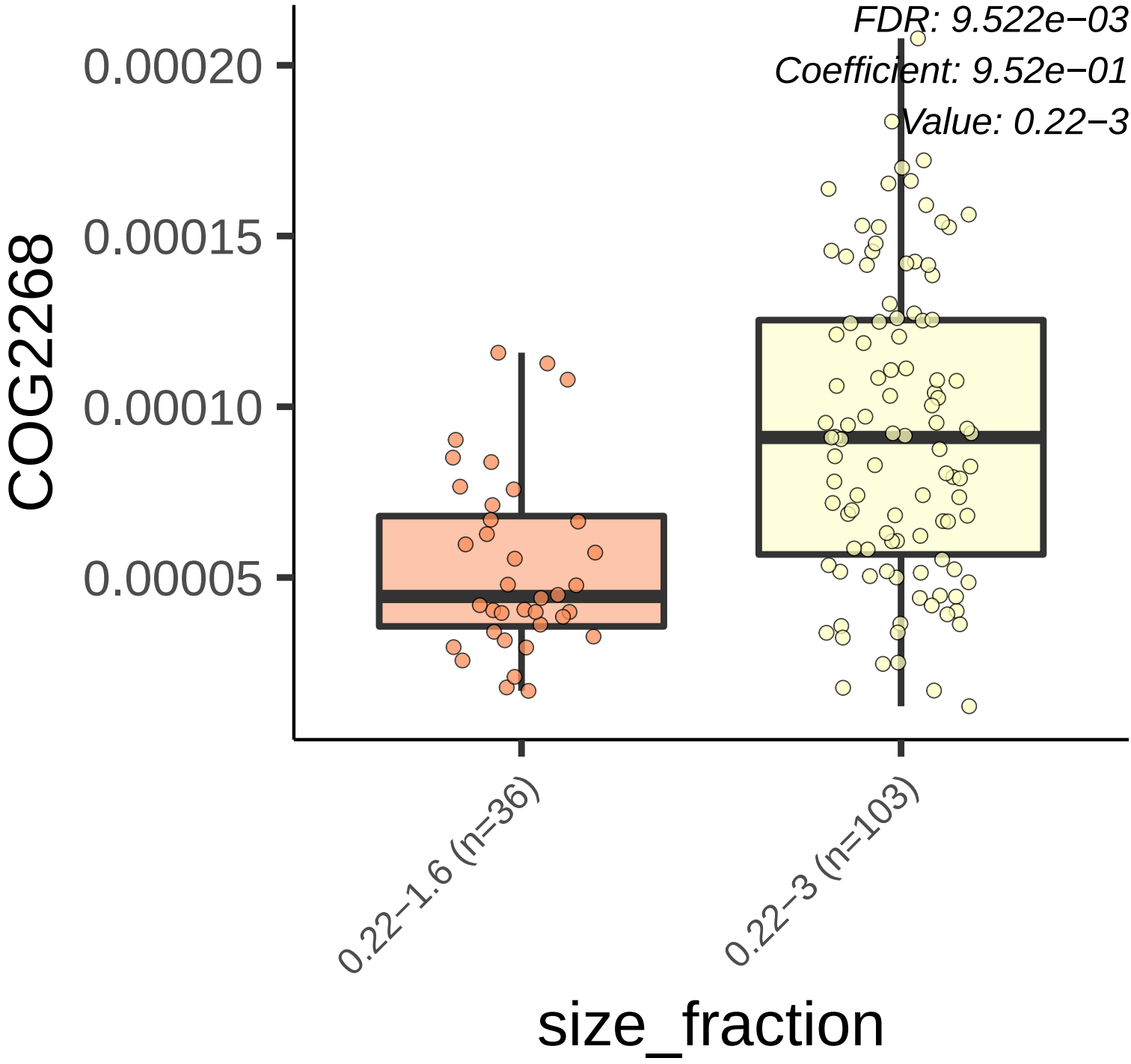

FDR: 9.322e−03
Coefficient: 5.51e−01
Value: 0.22−3
COG3264
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

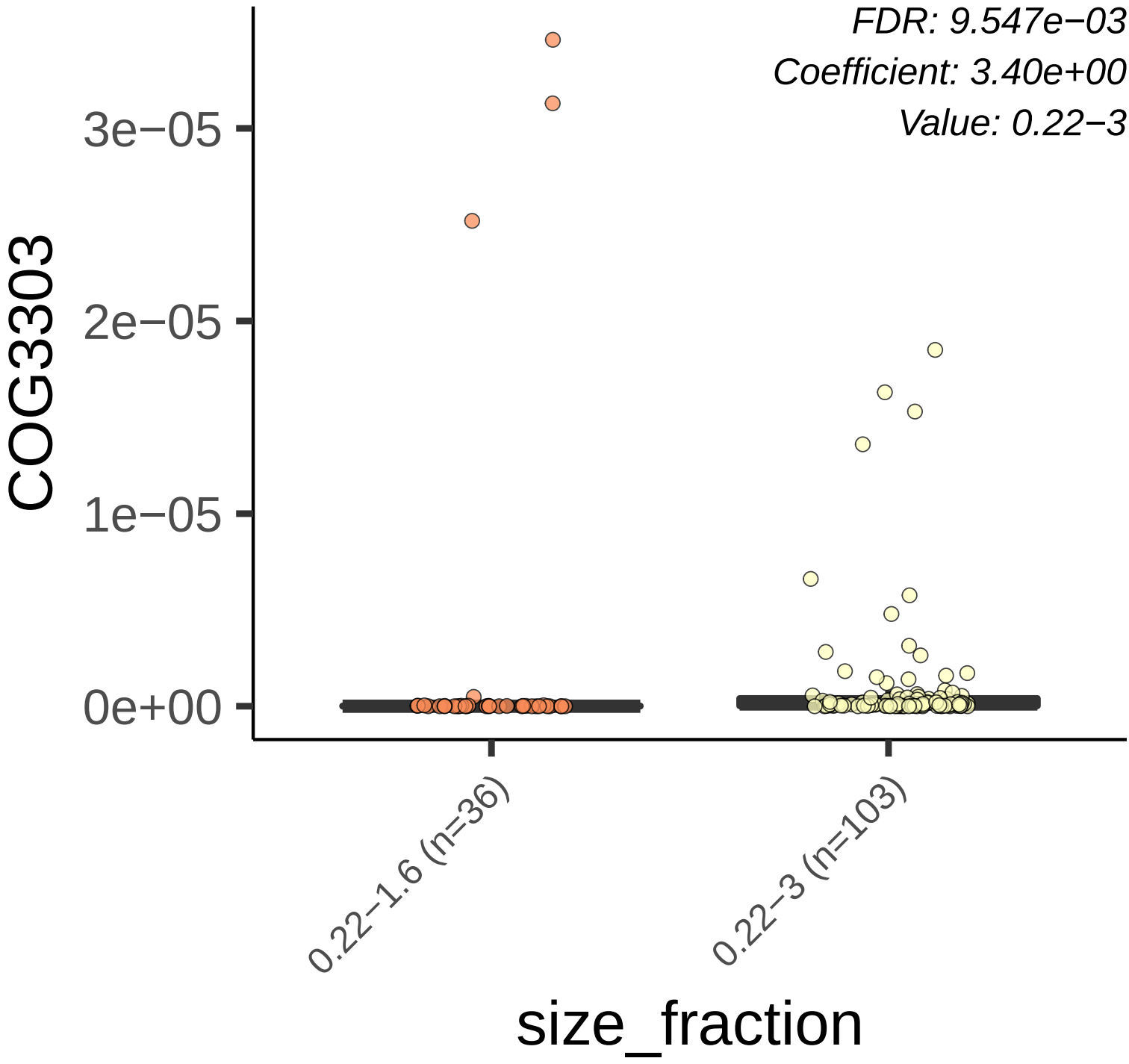

FDR: 9.329e−03
Coefficient: 4.69e+00
Value: 0.22−3
COG1980
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

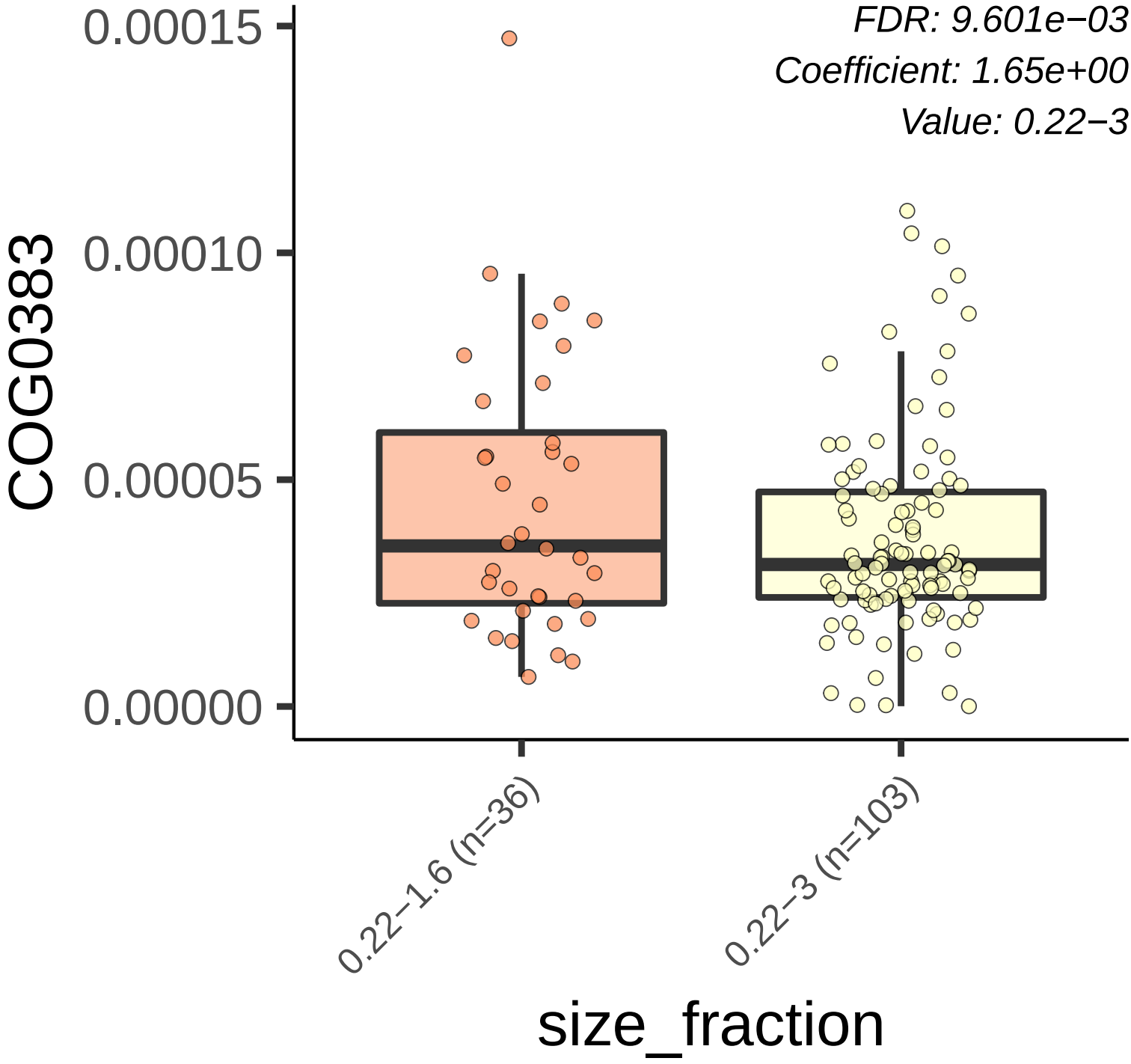

FDR: 9.364e−03
Coefficient: 8.13e−01
Value: 0.22−3
COG4886
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

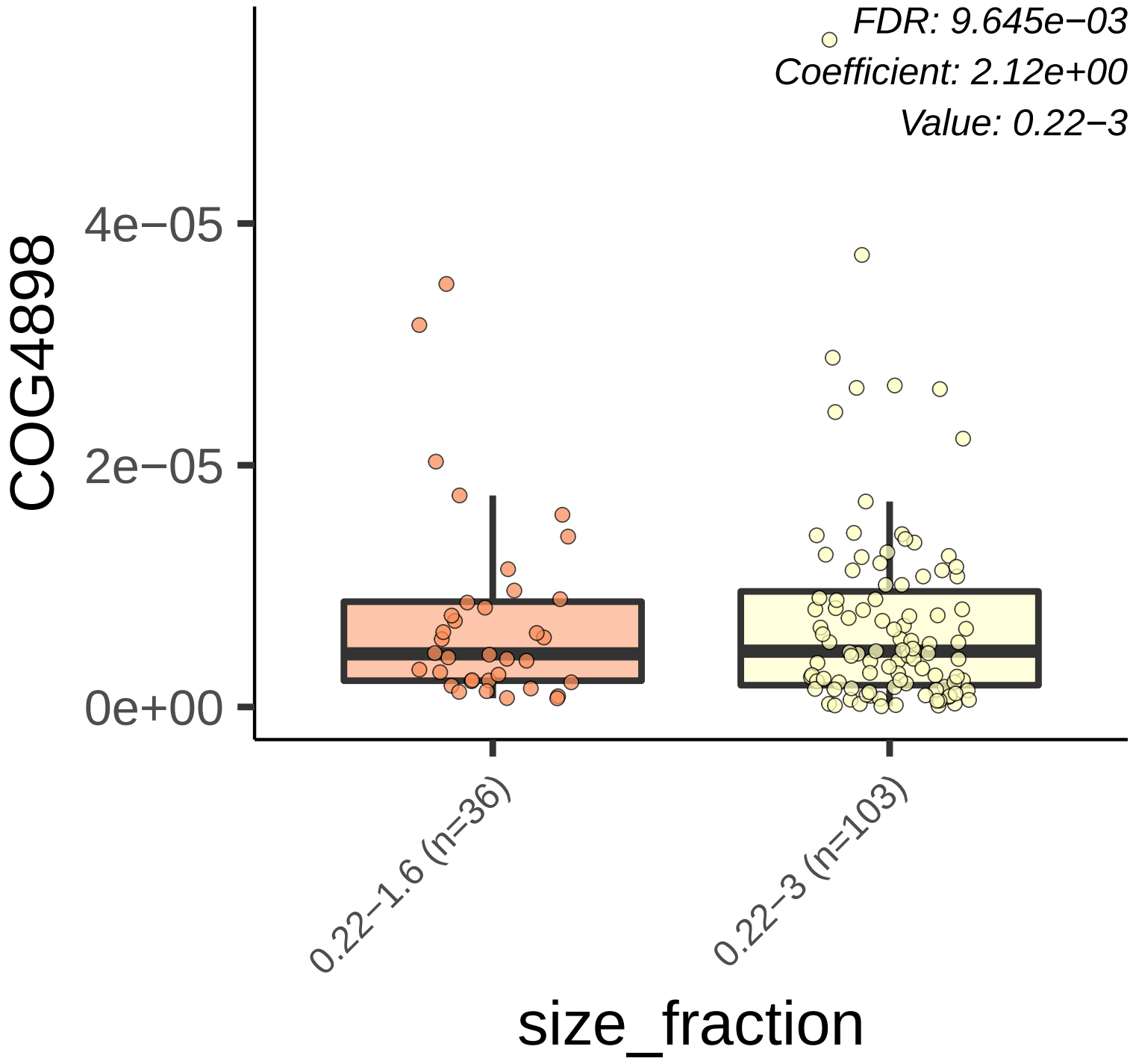

FDR: 9.397e−03
Coefficient: 3.13e+00
Value: 0.22−3
COG4413
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

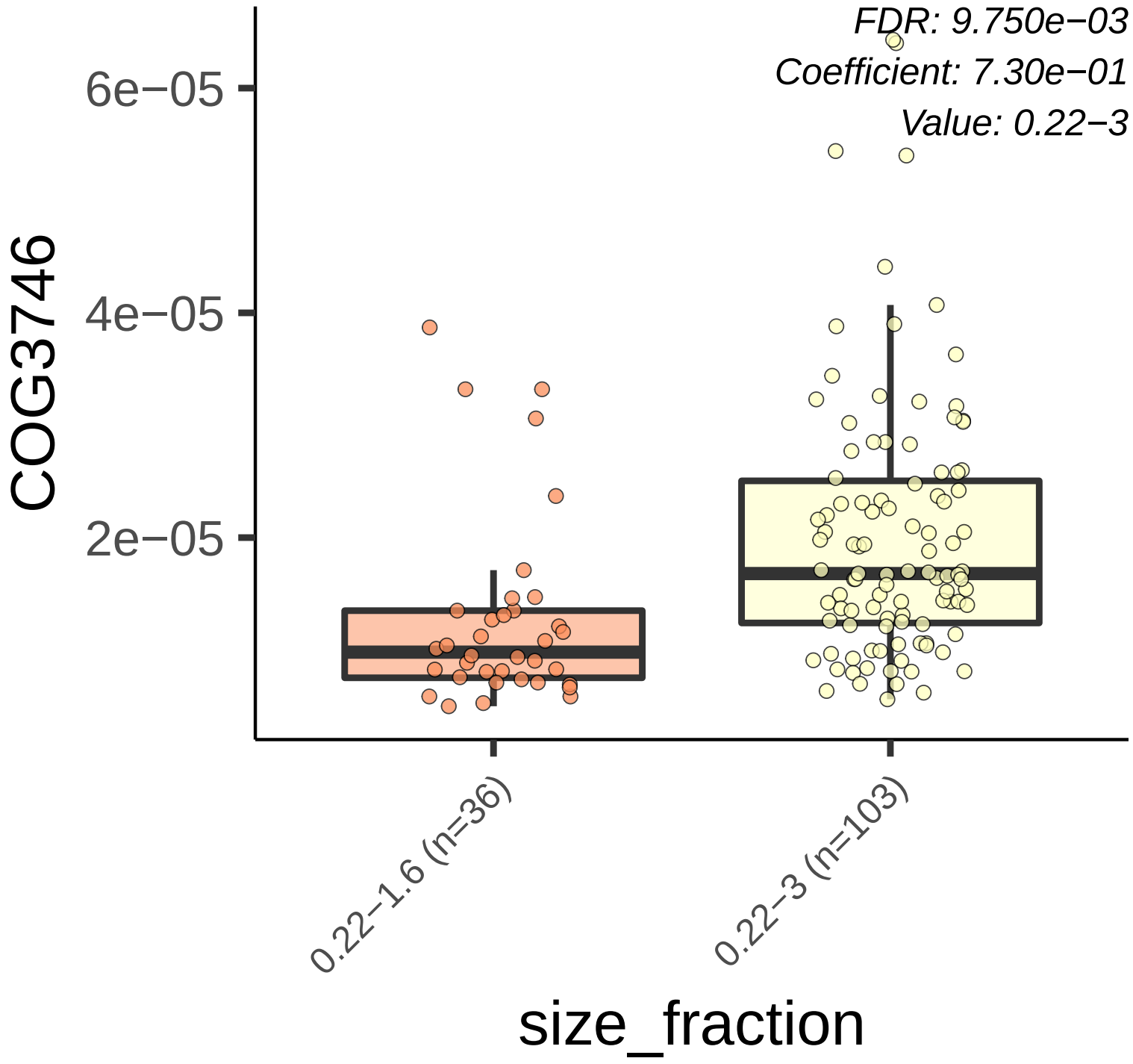

FDR: 9.472e−03
Coefficient: 2.13e+00
Value: 0.22−3
COG0301
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

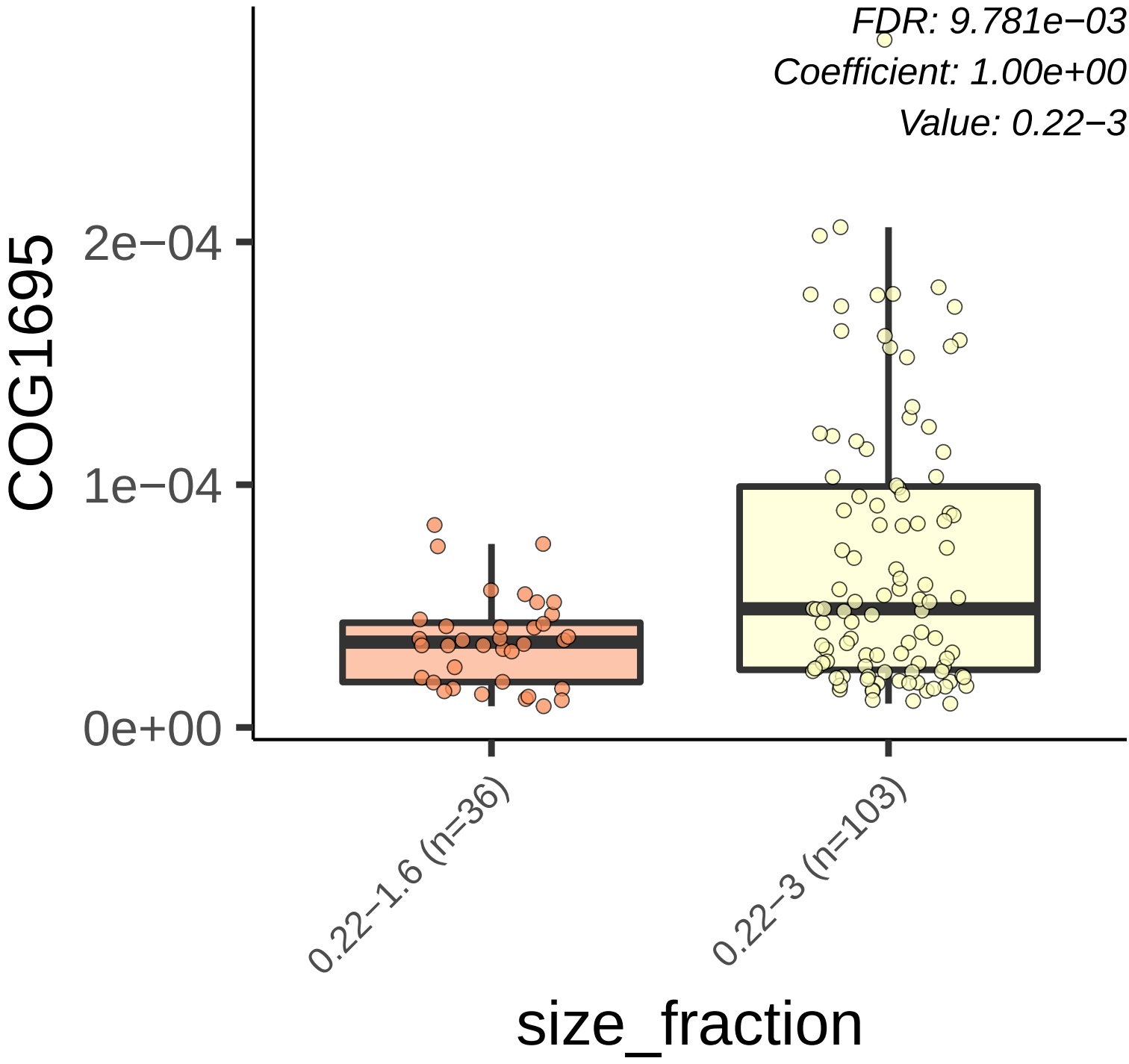

FDR: 9.522e−03
Coefficient: 9.52e−01
Value: 0.22−3
COG2268
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

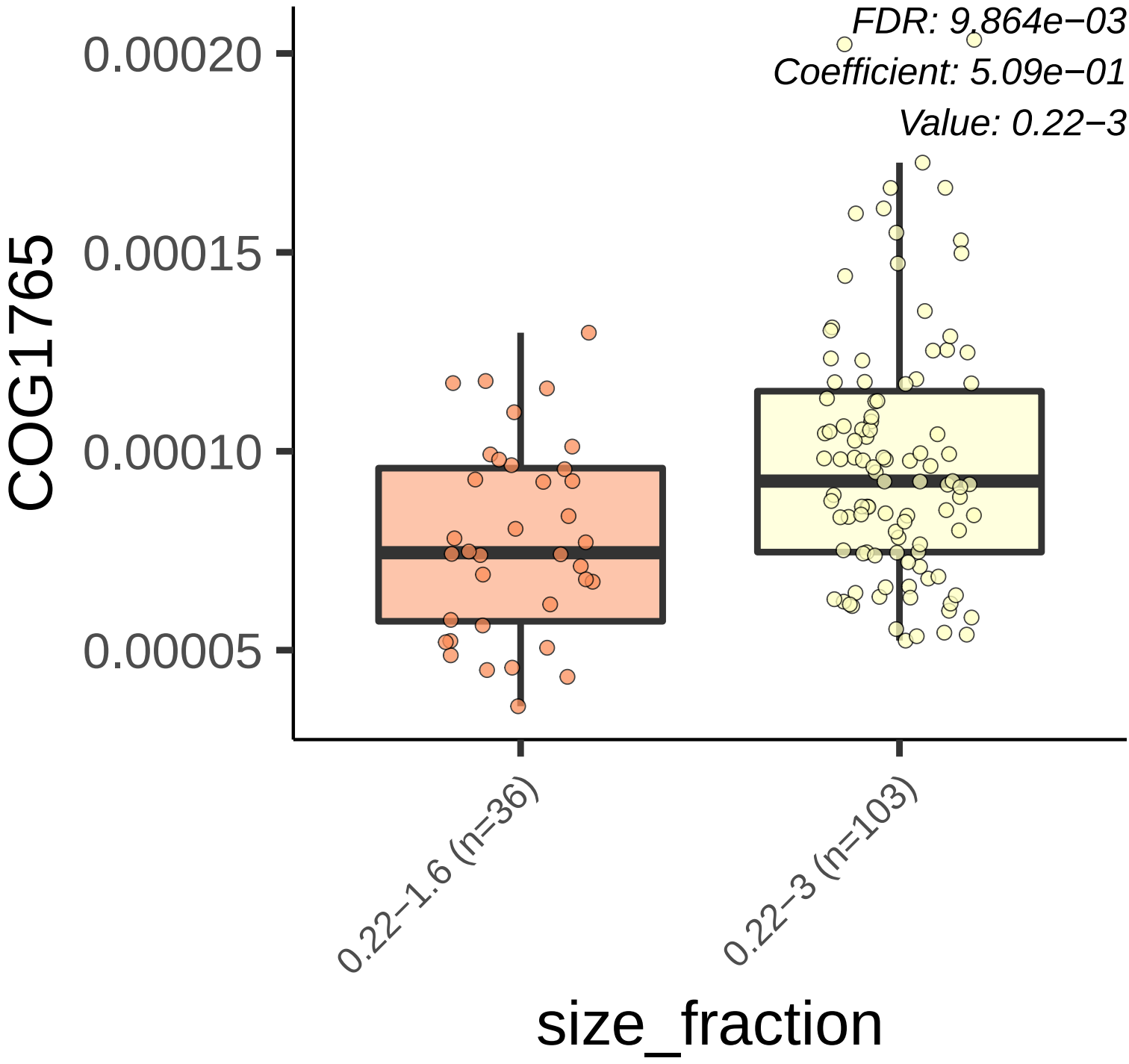

FDR: 9.547e−03
Coefficient: 3.40e+00
Value: 0.22−3
COG3303
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

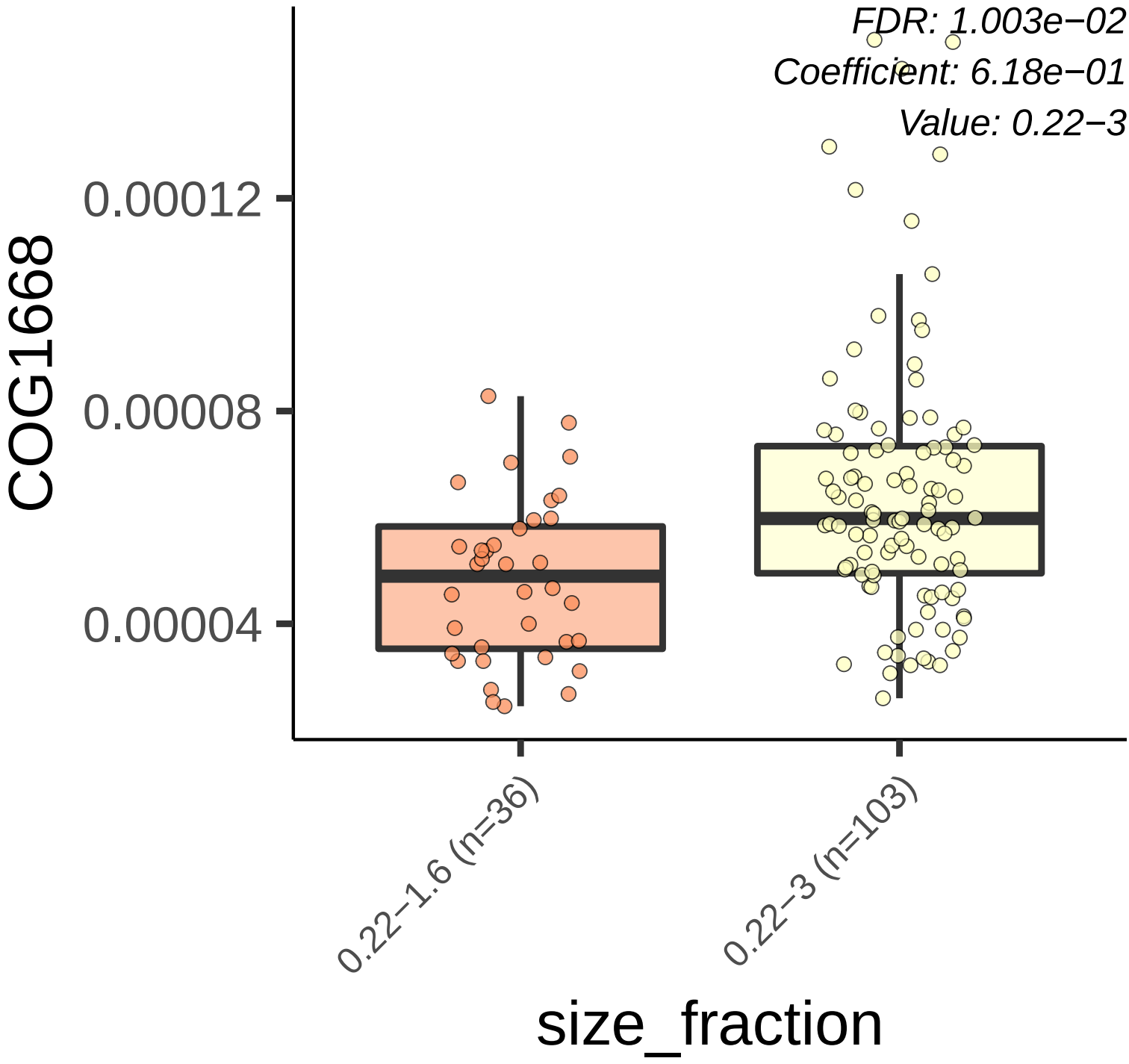

FDR: 9.601e−03
Coefficient: 1.65e+00
Value: 0.22−3
COG0383
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

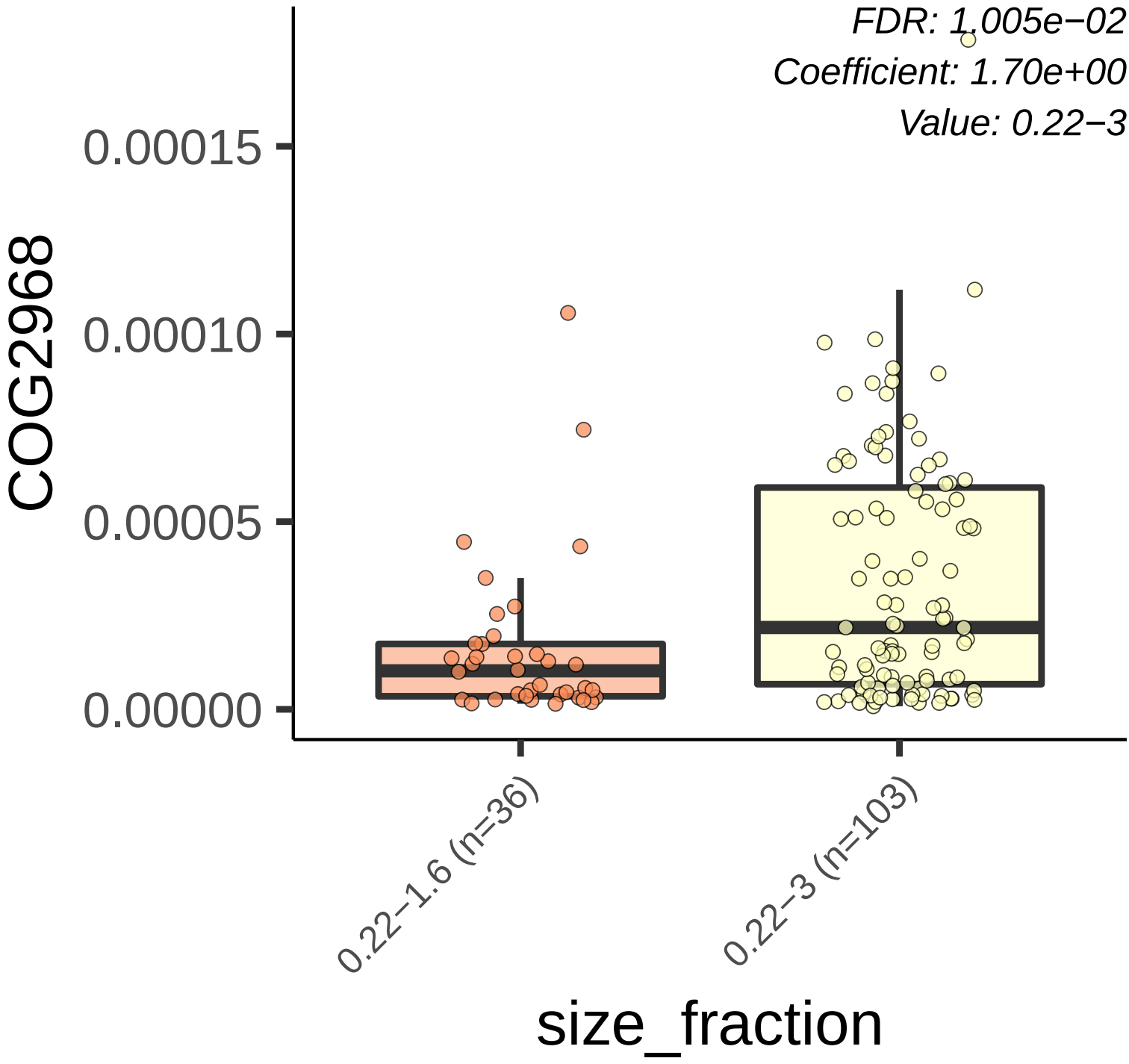

FDR: 9.645e−03
Coefficient: 2.12e+00
Value: 0.22−3
COG4898
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

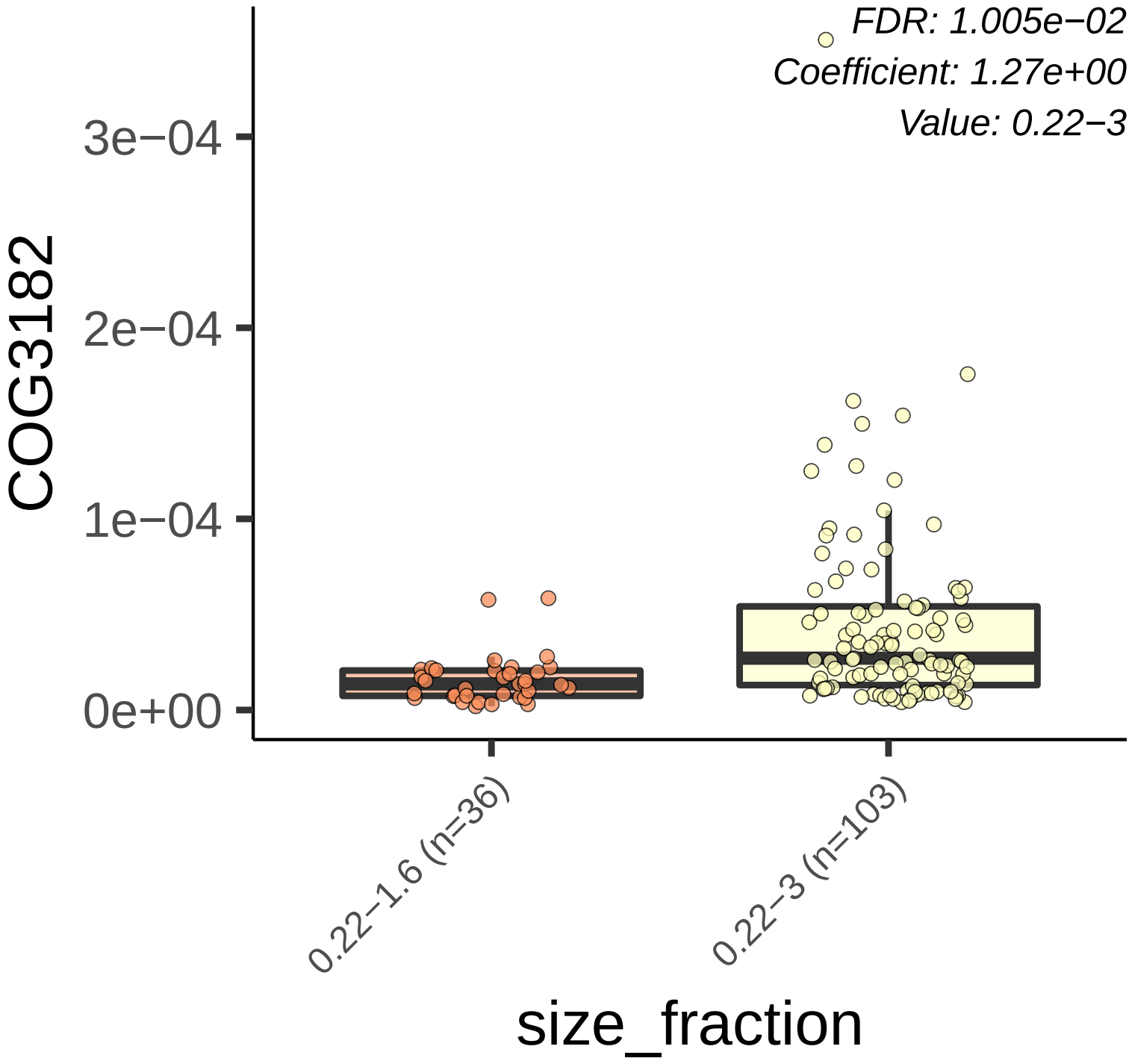

FDR: 9.750e−03
Coefficient: 7.30e−01
Value: 0.22−3
COG3746
6e−05
4e−05
2e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

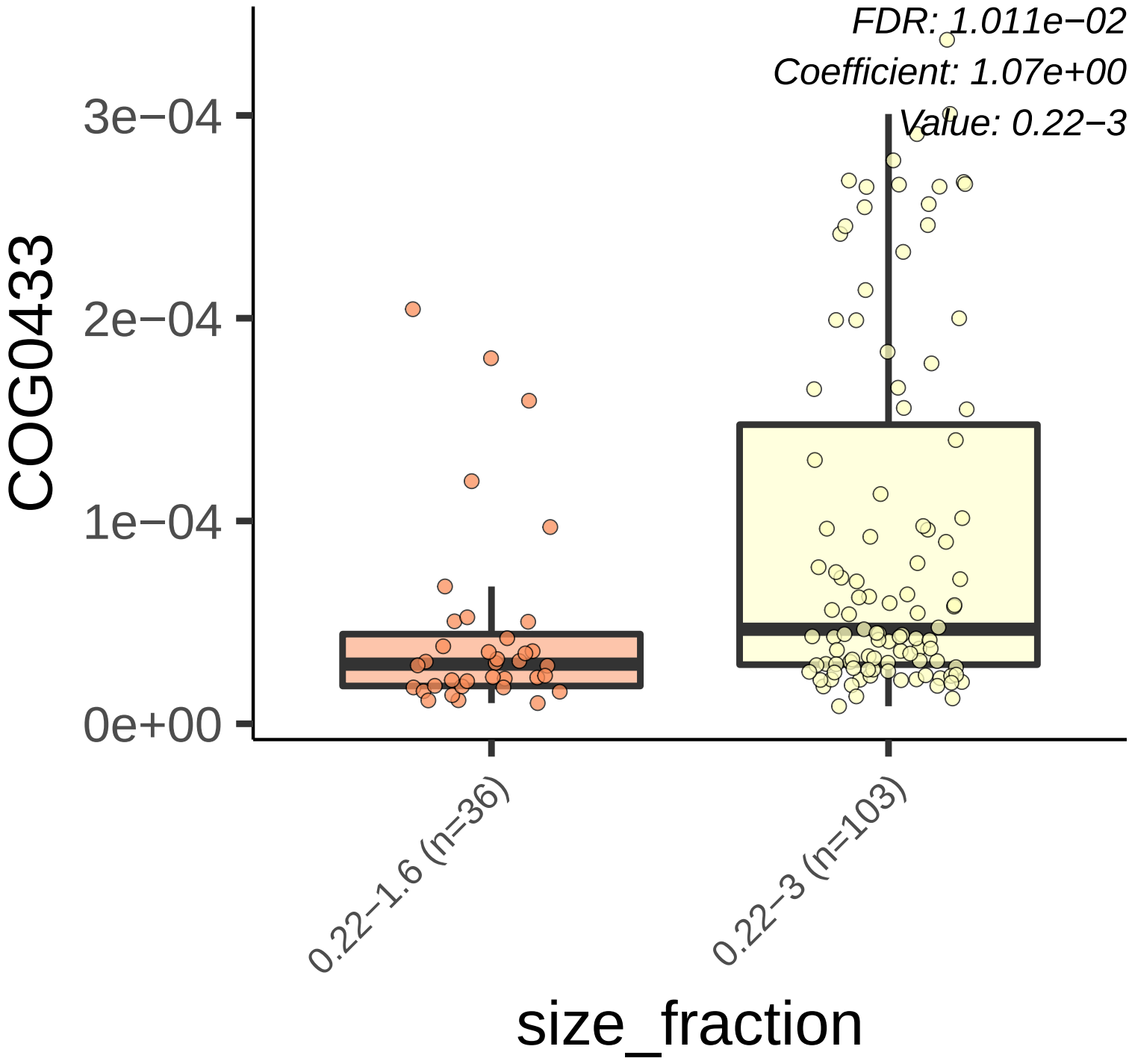

FDR: 9.781e−03
Coefficient: 1.00e+00
Value: 0.22−3
COG1695
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

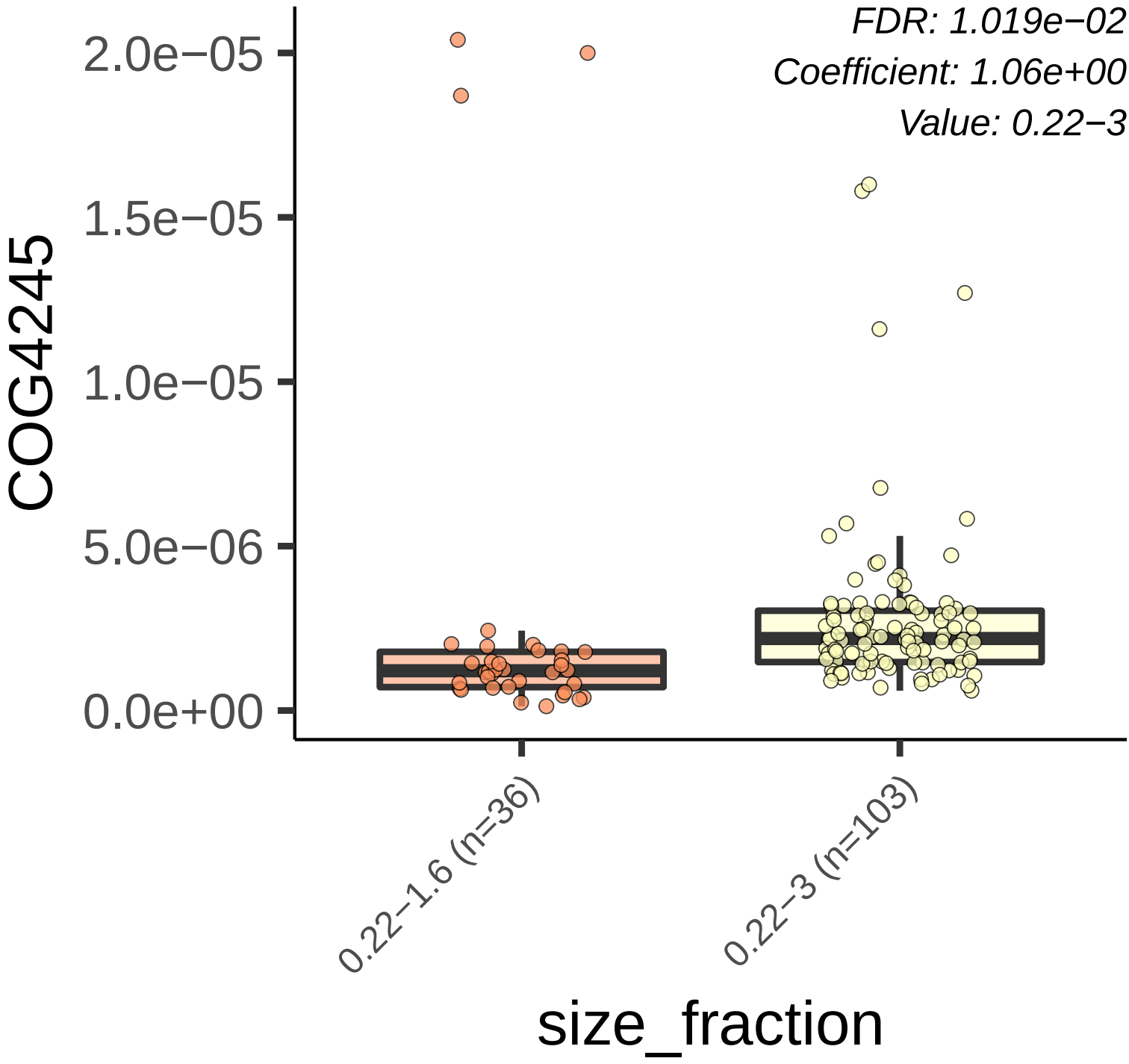

FDR: 9.864e−03
Coefficient: 5.09e−01
Value: 0.22−3
COG1765
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

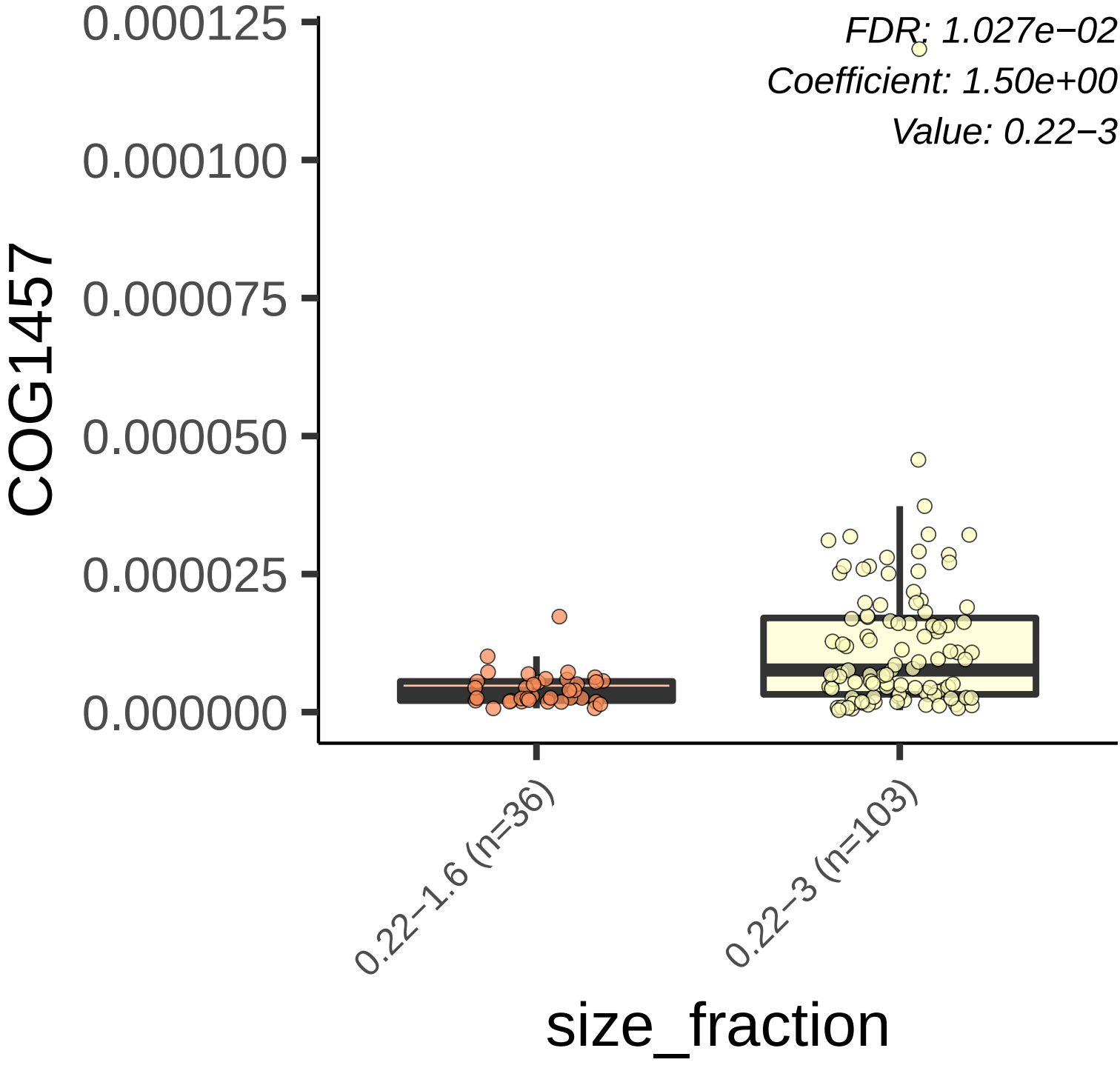

FDR: 1.003e−02
Coefficient: 6.18e−01
Value: 0.22−3
COG1668
0.00012
0.00008
0.00004
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

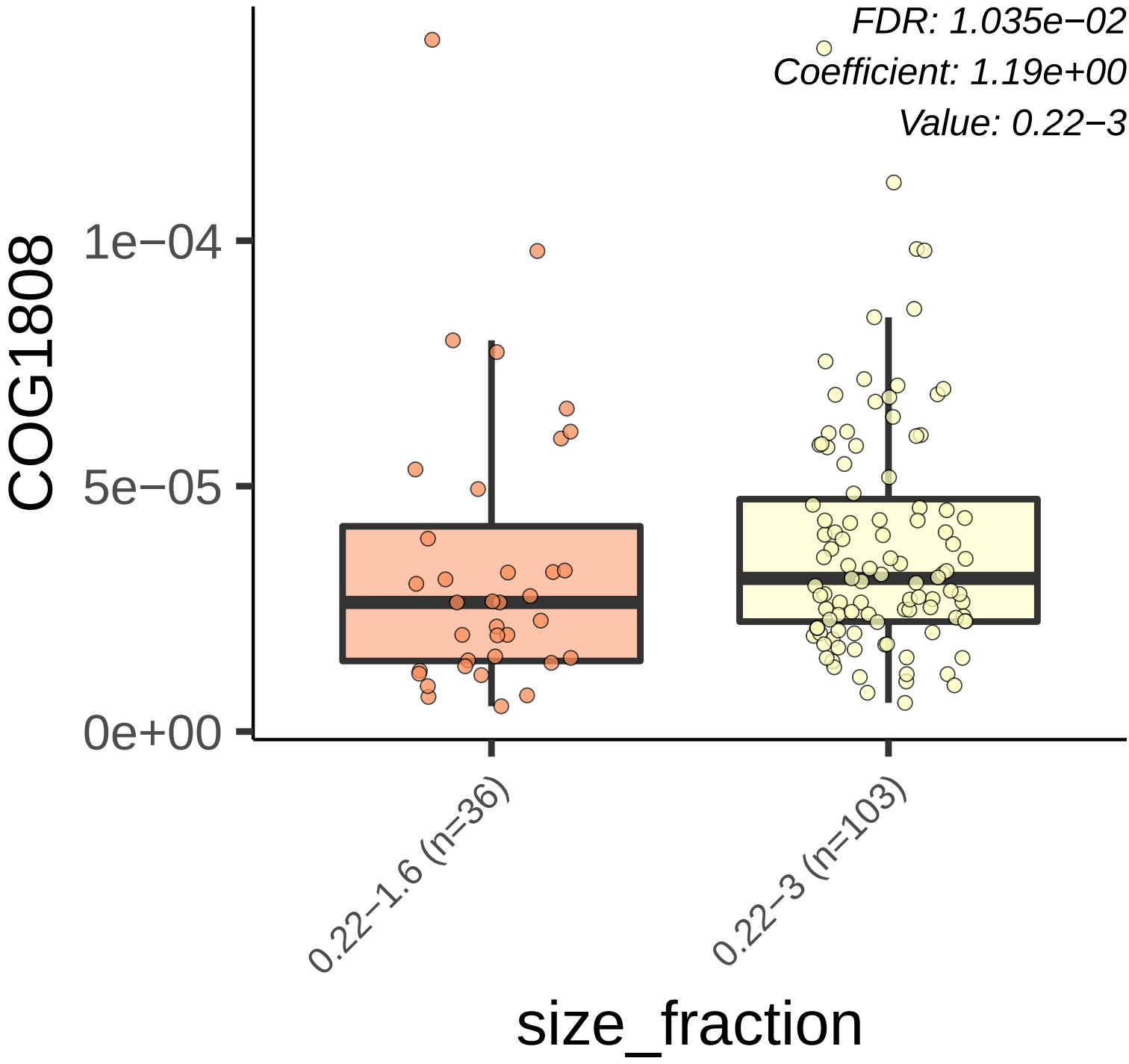

FDR: 1.005e−02
Coefficient: 1.70e+00
Value: 0.22−3
COG2968
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

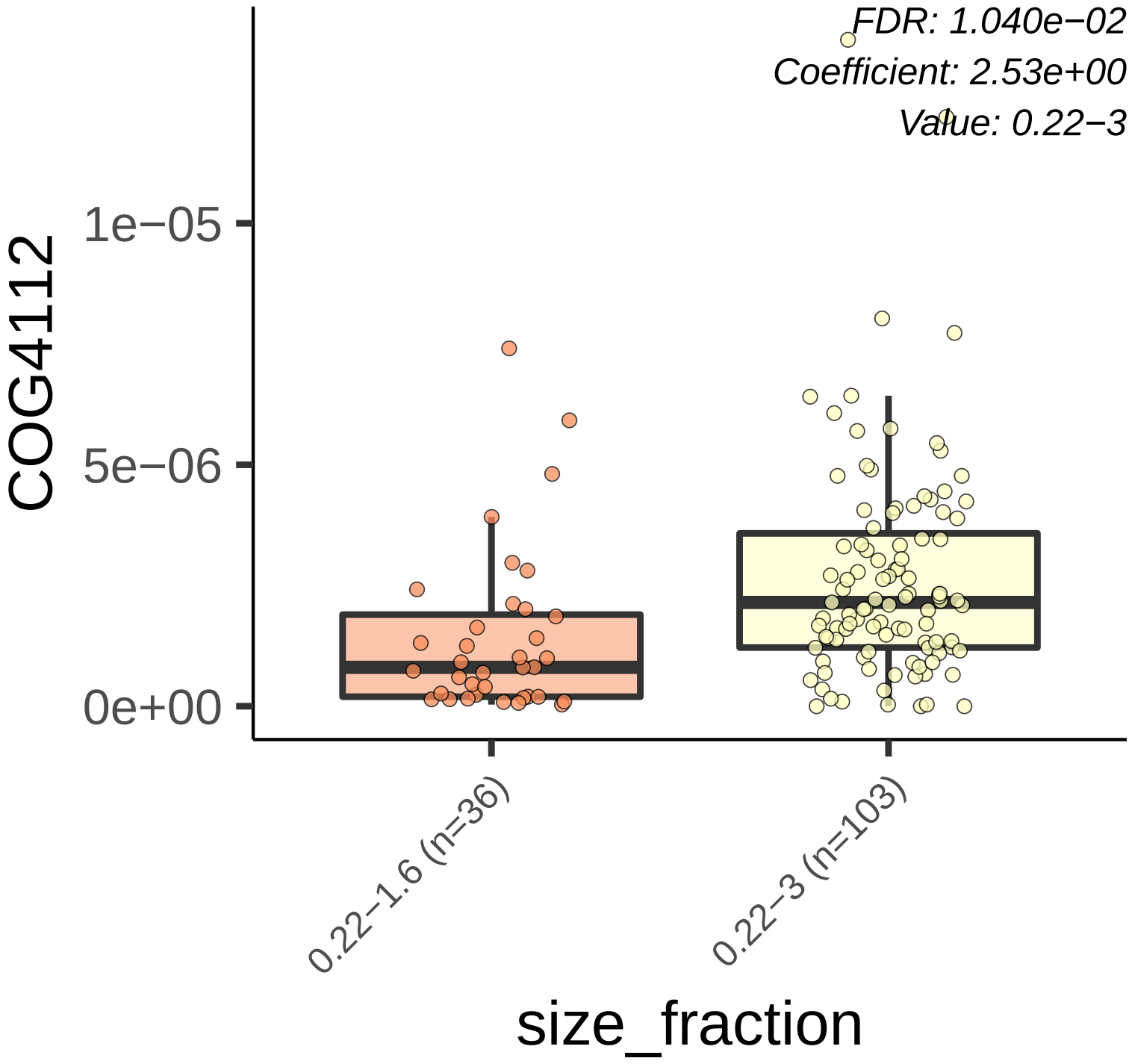

FDR: 1.005e−02
Coefficient: 1.27e+00
Value: 0.22−3
COG3182
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

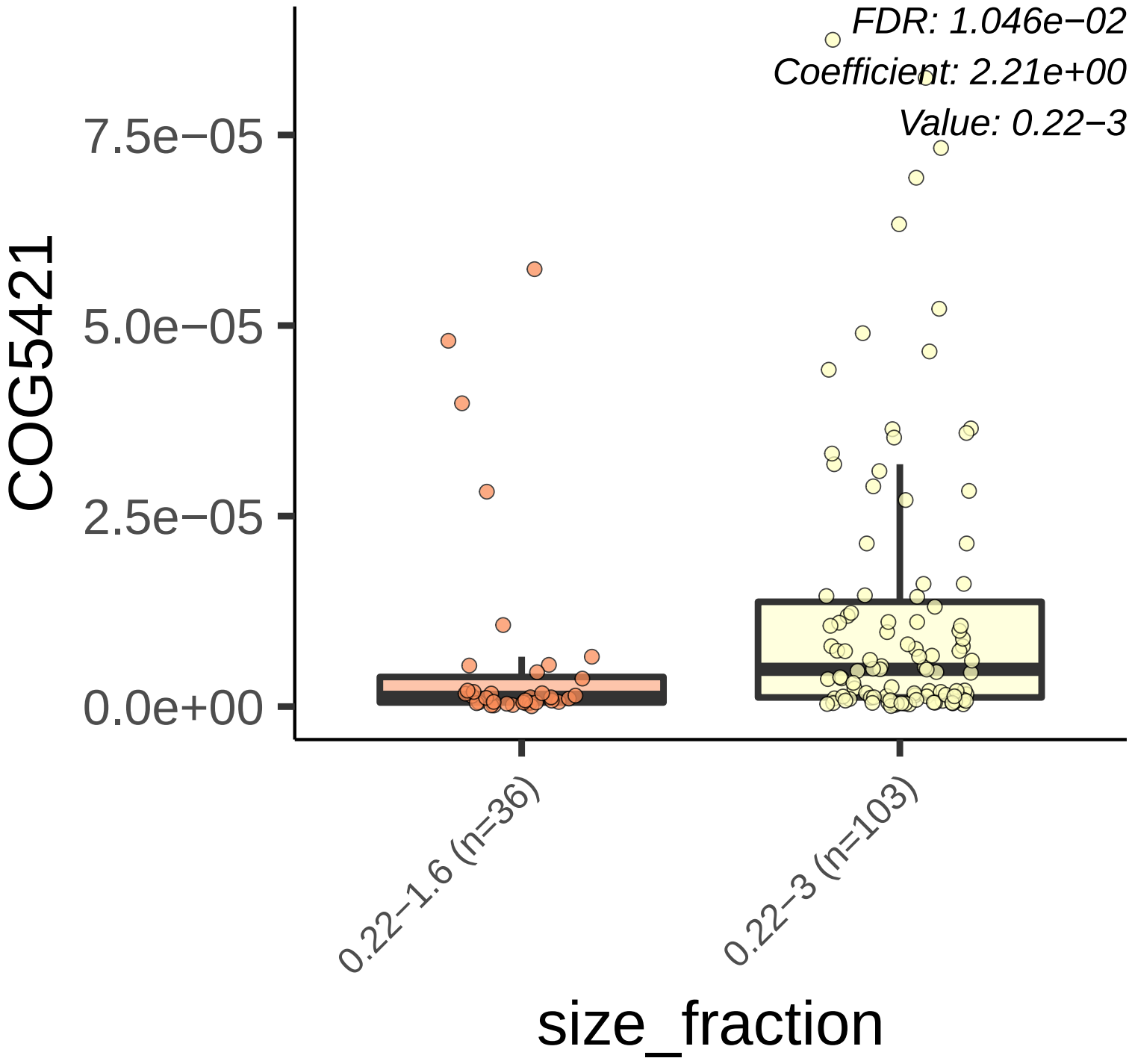

FDR: 1.011e−02
Coefficient: 1.07e+00
Value: 0.22−3
COG0433
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

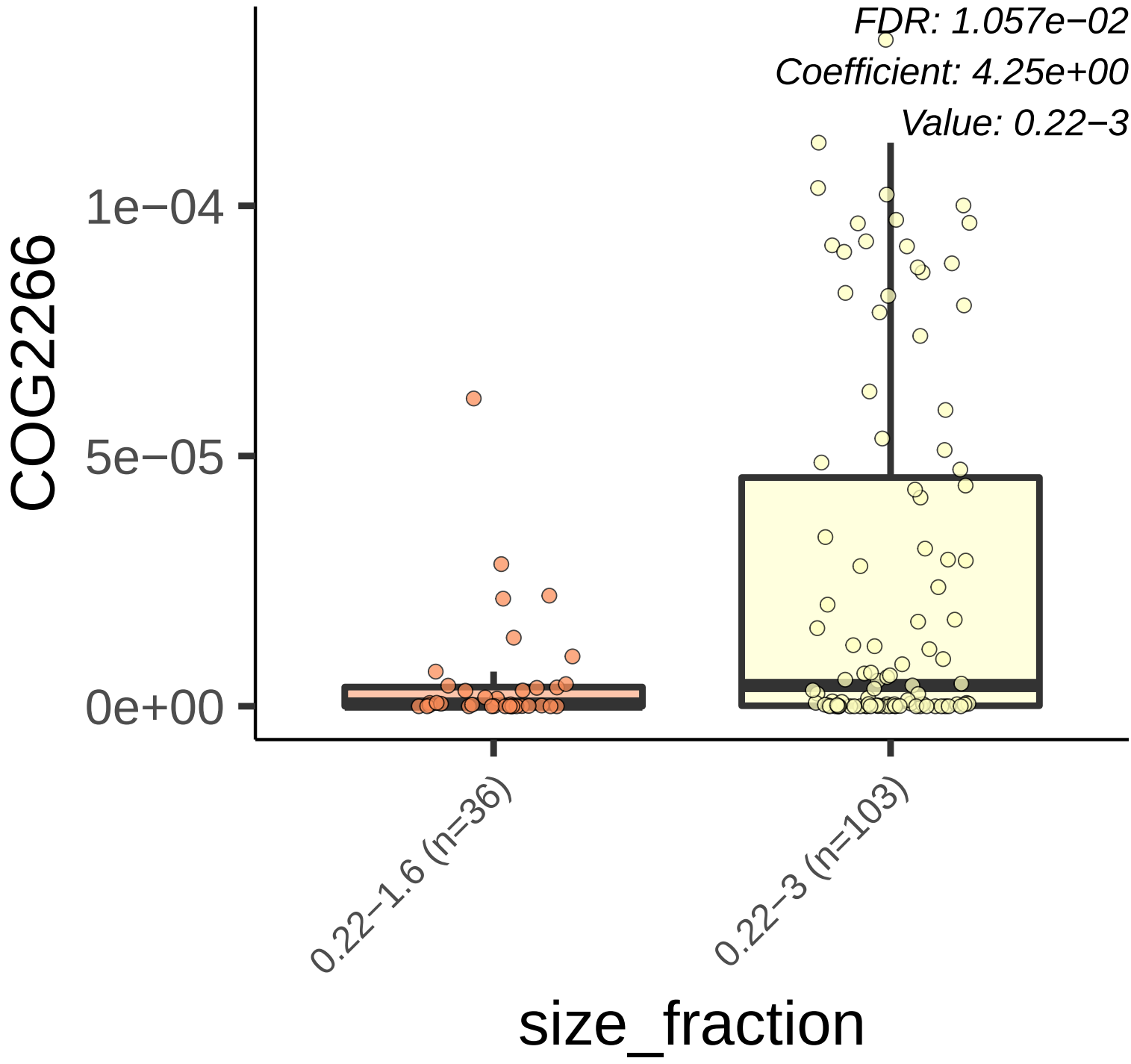

FDR: 1.019e−02
Coefficient: 1.06e+00
Value: 0.22−3
COG4245
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

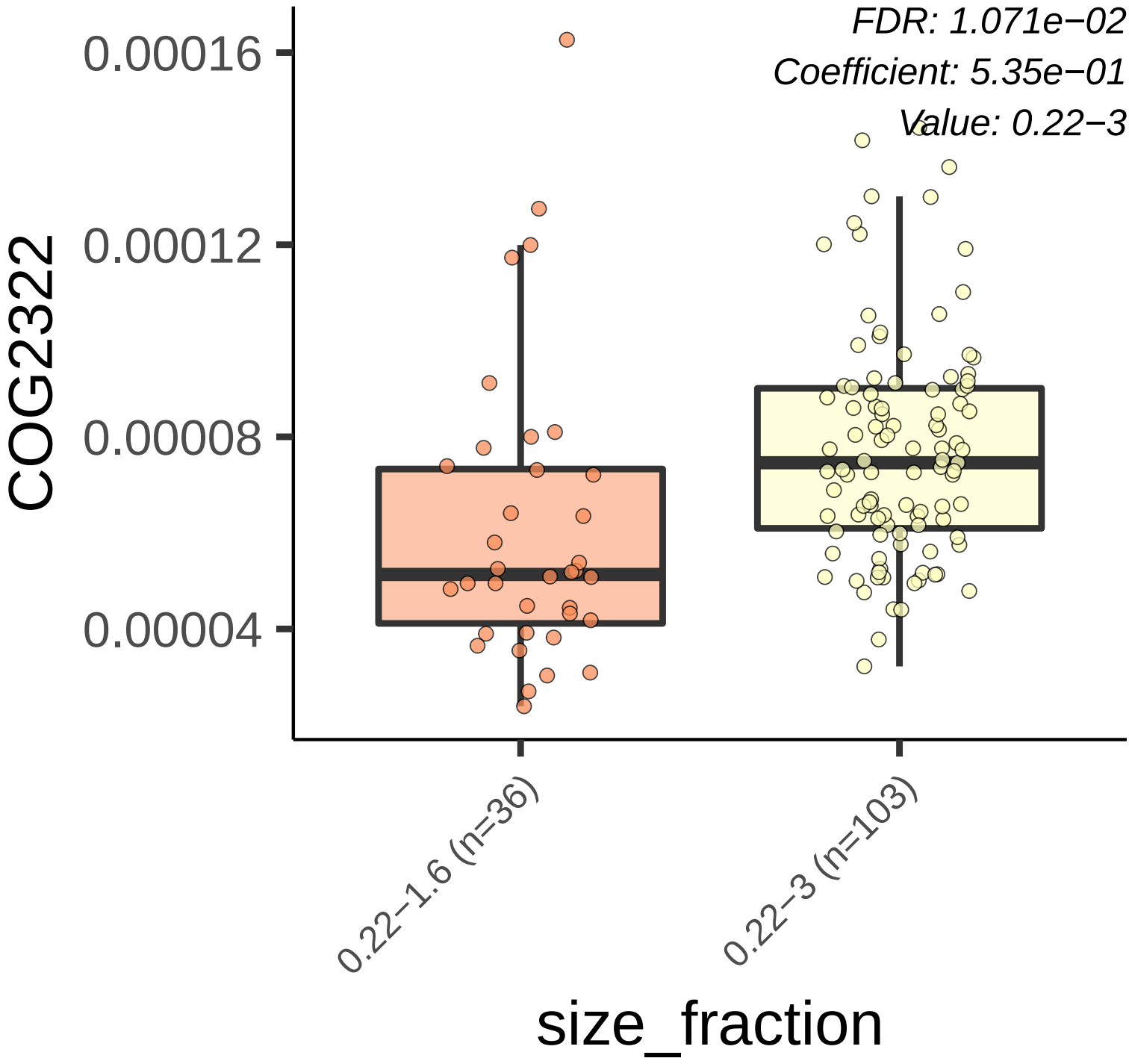

FDR: 1.027e−02
Coefficient: 1.50e+00
Value: 0.22−3
COG1457
0.000125
0.000100
0.000075
0.000050
0.000025
0.000000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

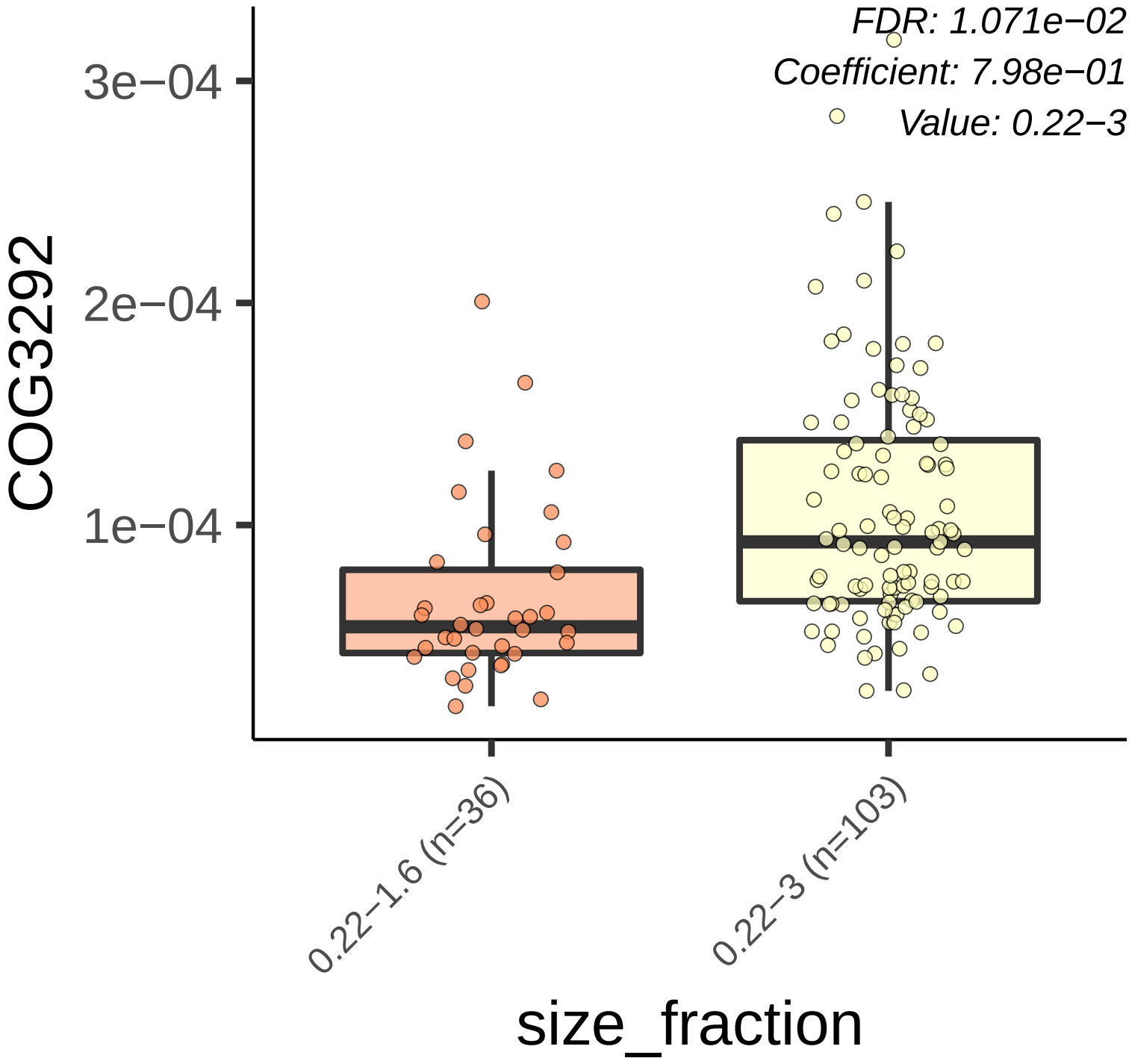

FDR: 1.035e−02
Coefficient: 1.19e+00
Value: 0.22−3
COG1808
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

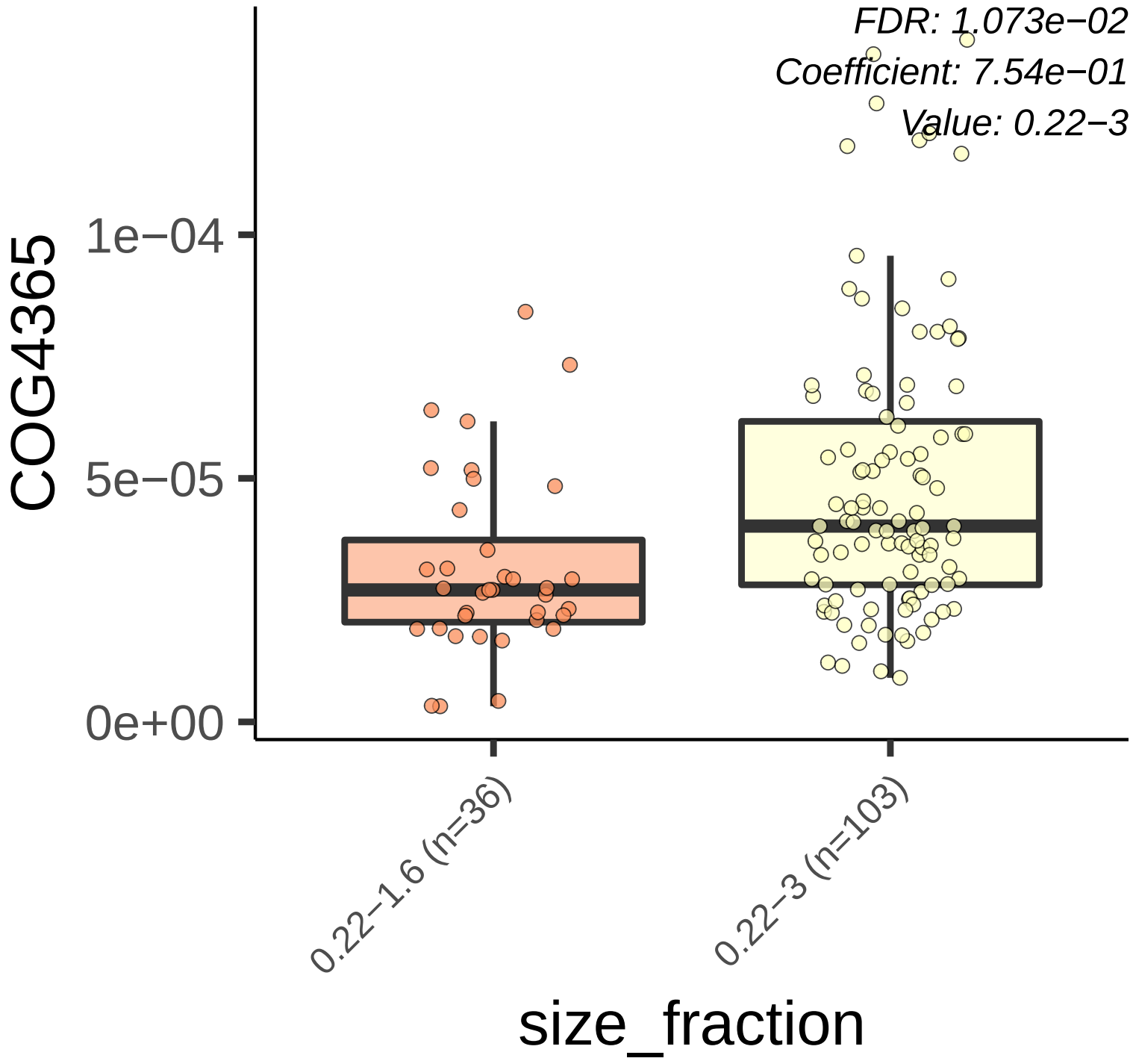

FDR: 1.040e−02
Coefficient: 2.53e+00
Value: 0.22−3
COG4112
1e−05
5e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.046e−02
Coefficient: 2.21e+00
Value: 0.22−3
COG5421
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.057e−02
Coefficient: 4.25e+00
Value: 0.22−3
COG2266
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.071e−02
Coefficient: 5.35e−01
Value: 0.22−3
COG2322
0.00016
0.00012
0.00008
0.00004
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 1.071e−02
Coefficient: 7.98e−01
Value: 0.22−3
COG3292
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction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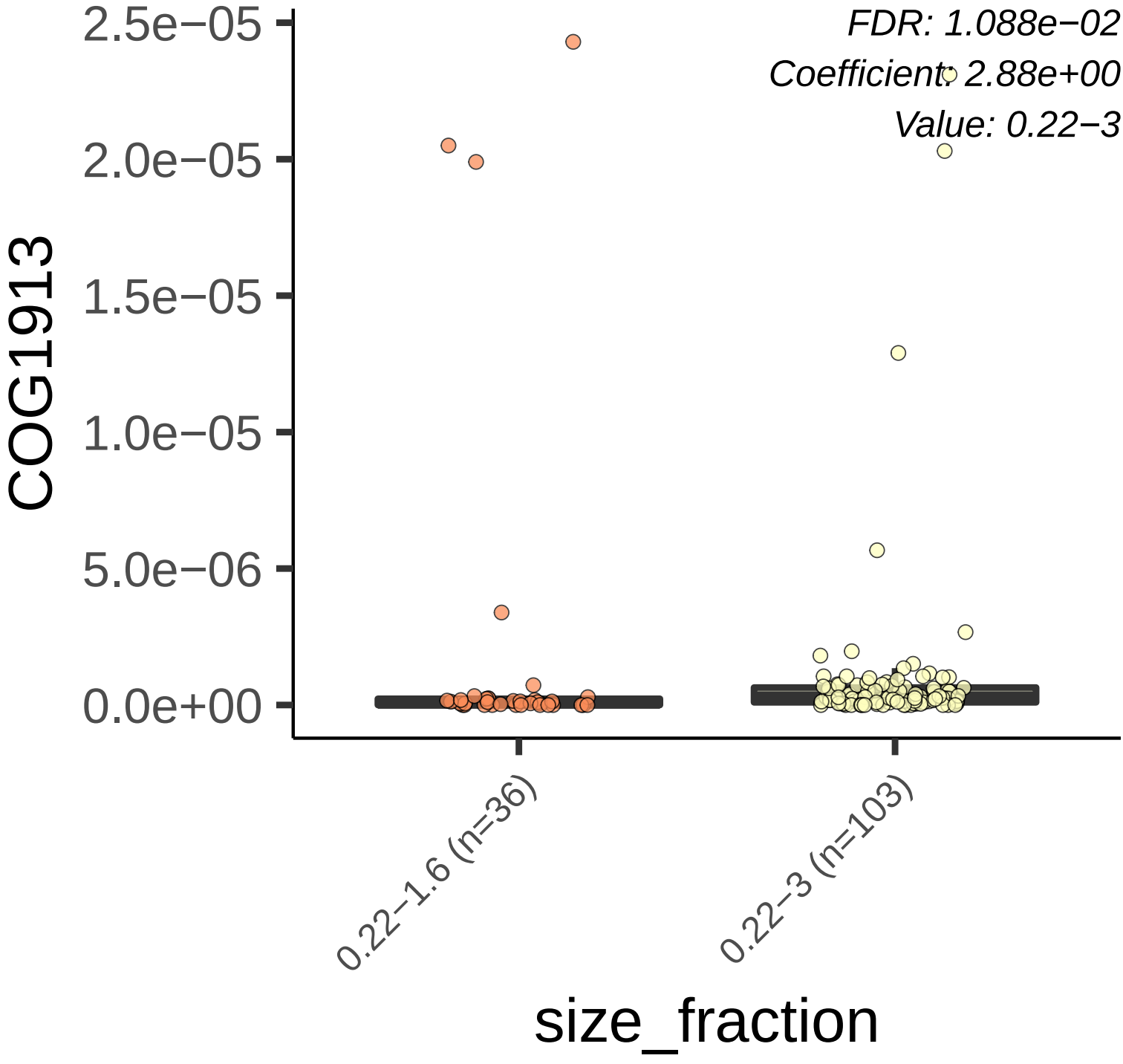
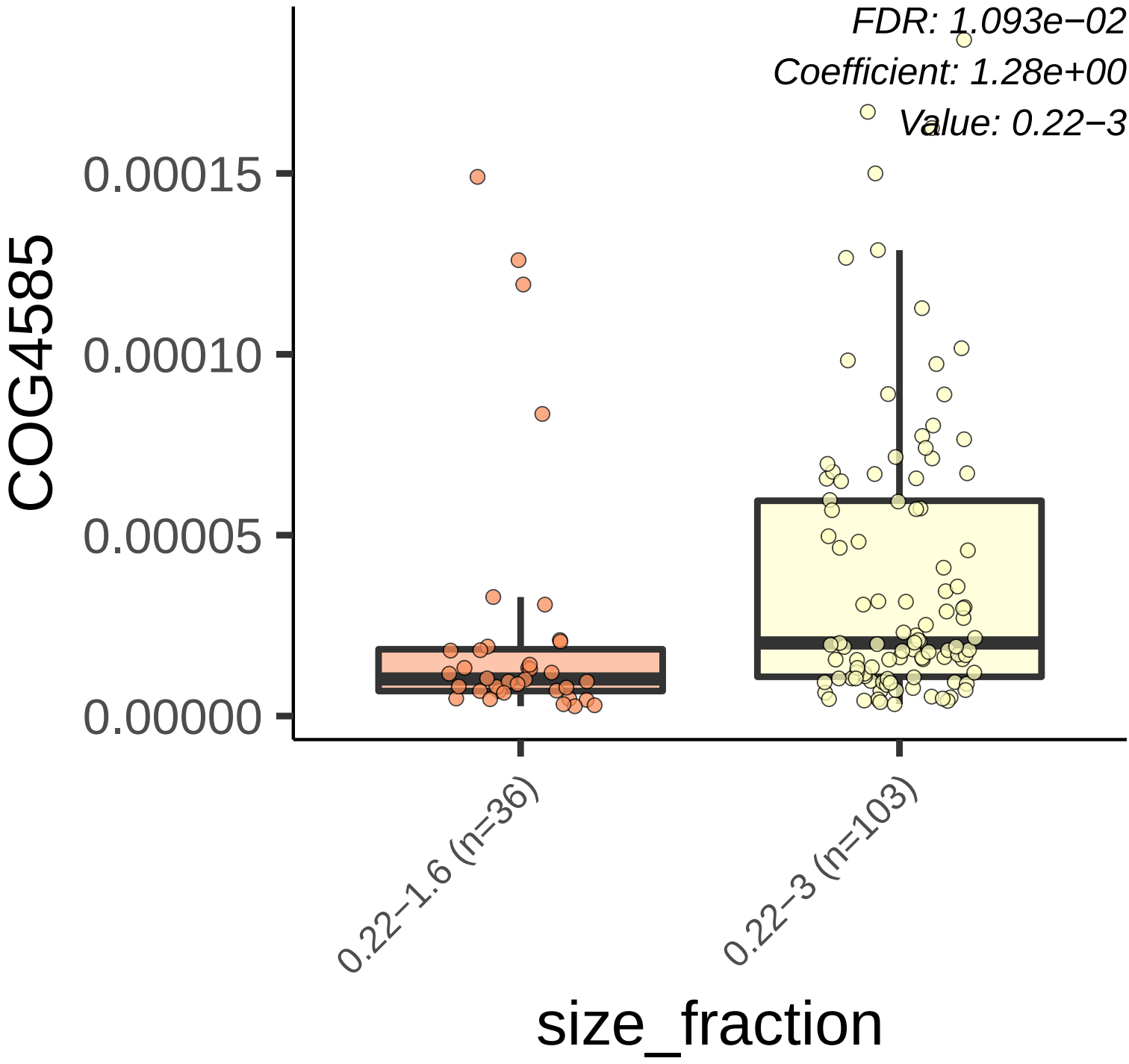
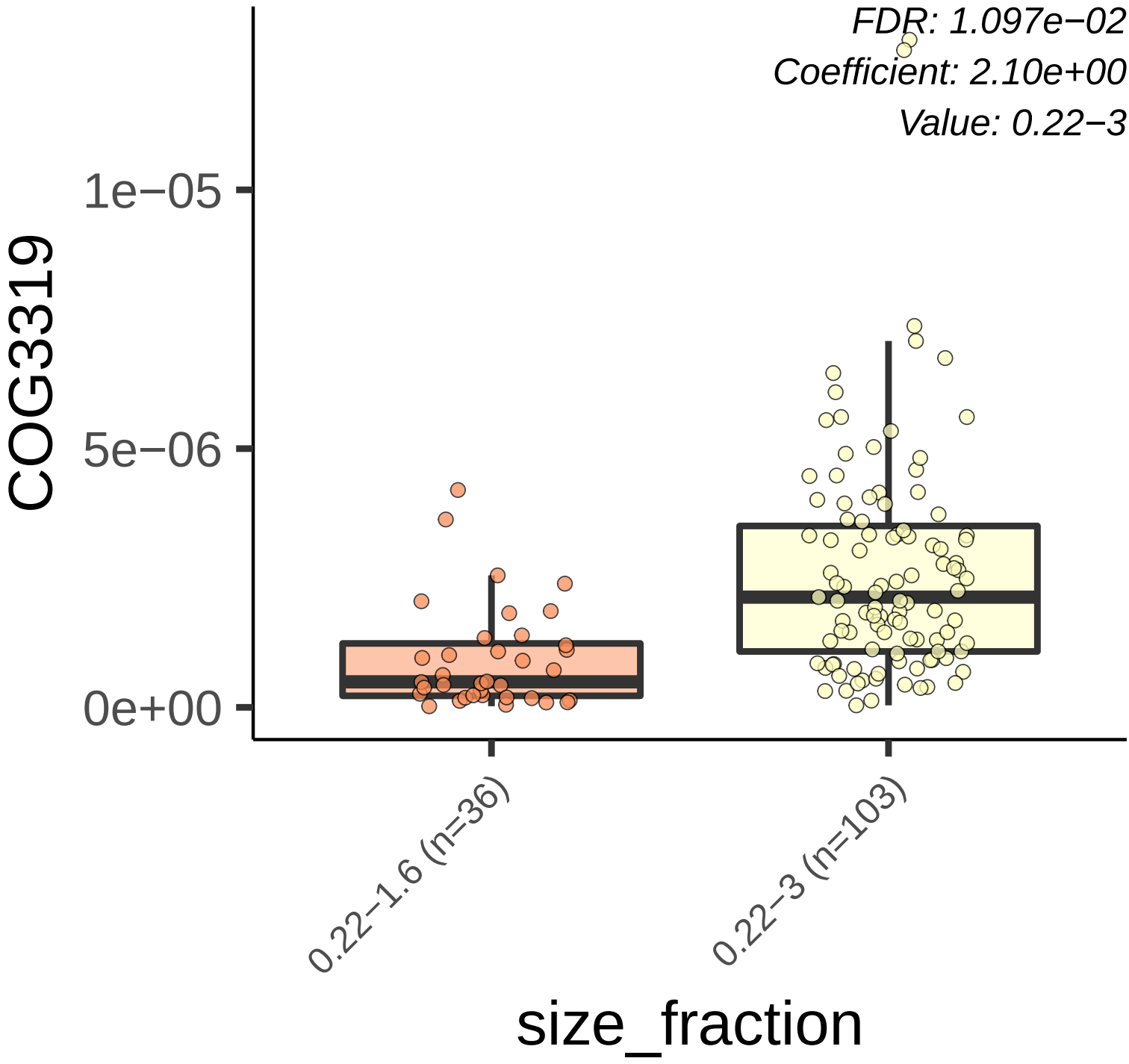
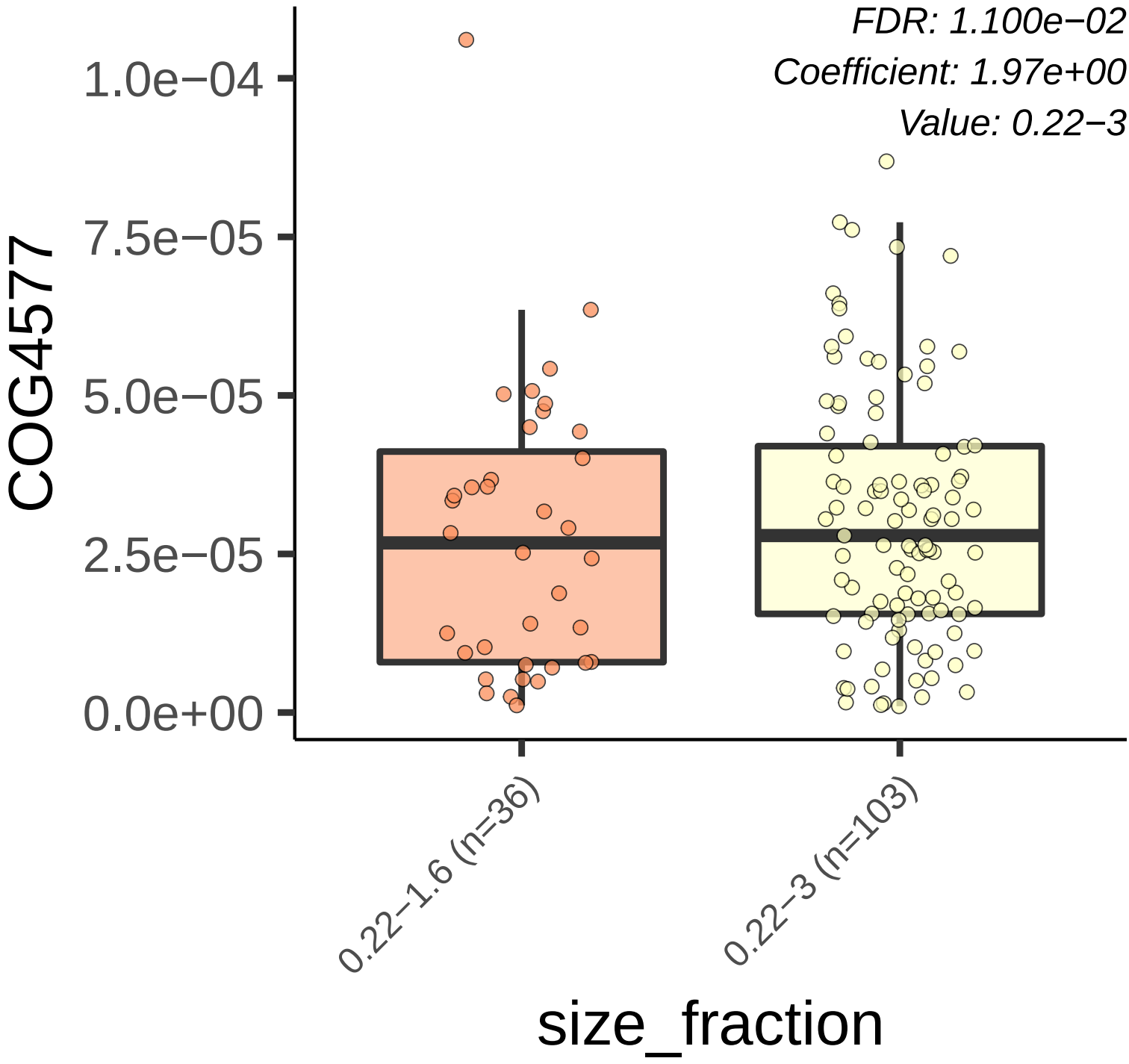
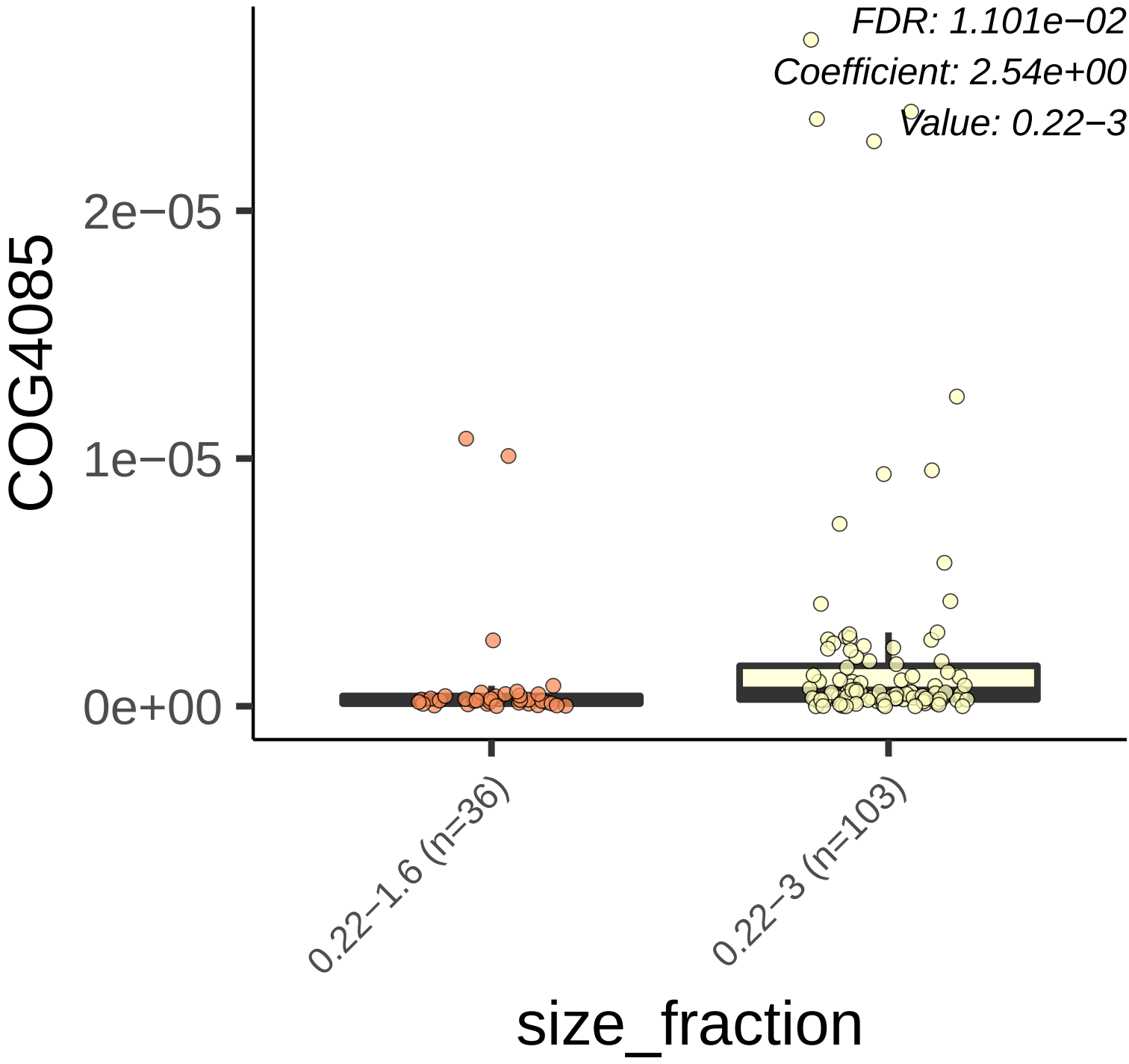
Coefficient: 7.54e−01
Value: 0.22−3
COG4365
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

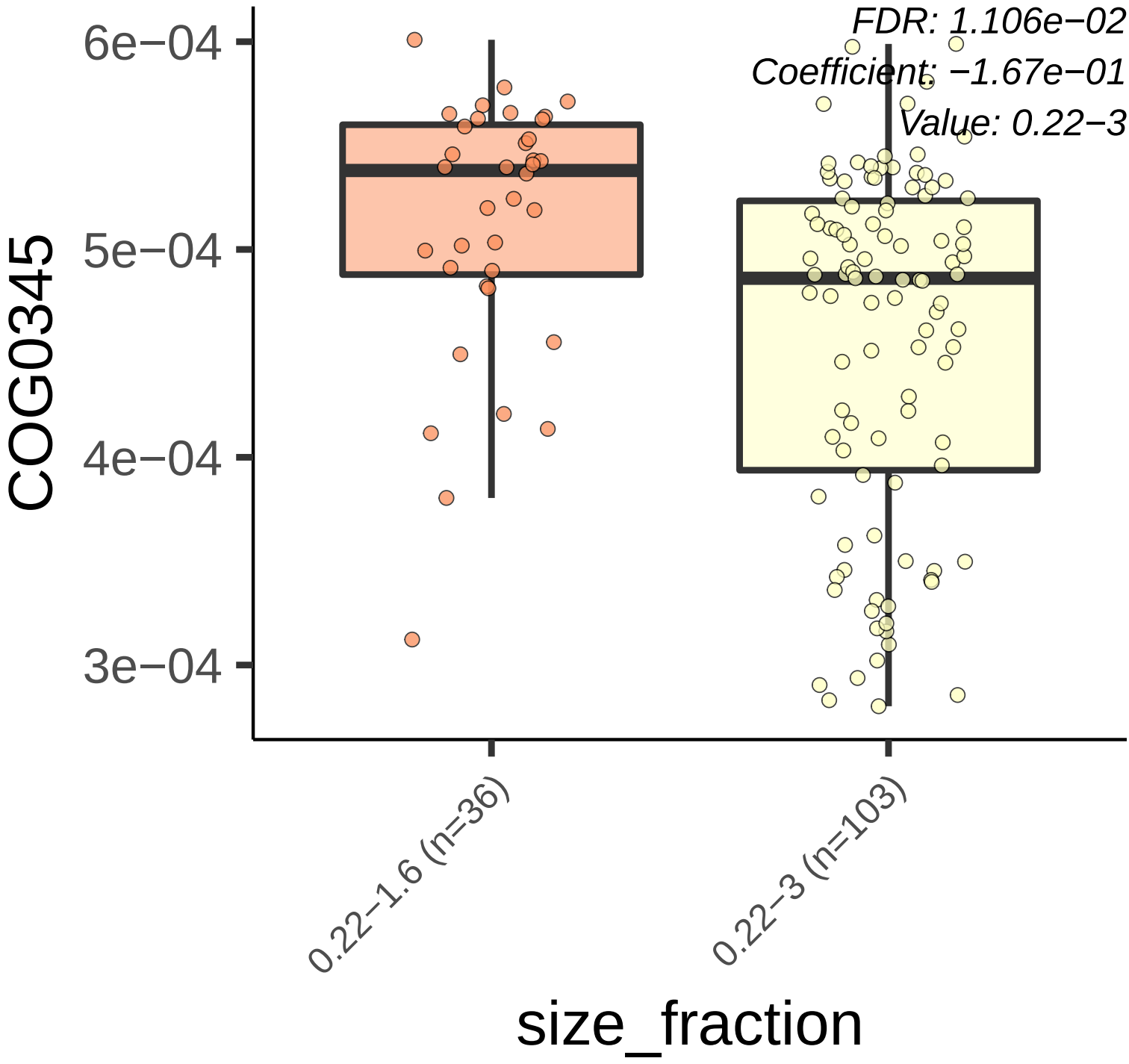

FDR: 1.088e−02
Coefficient: 2.88e+00
Value: 0.22−3
COG1913
2.5e−05
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

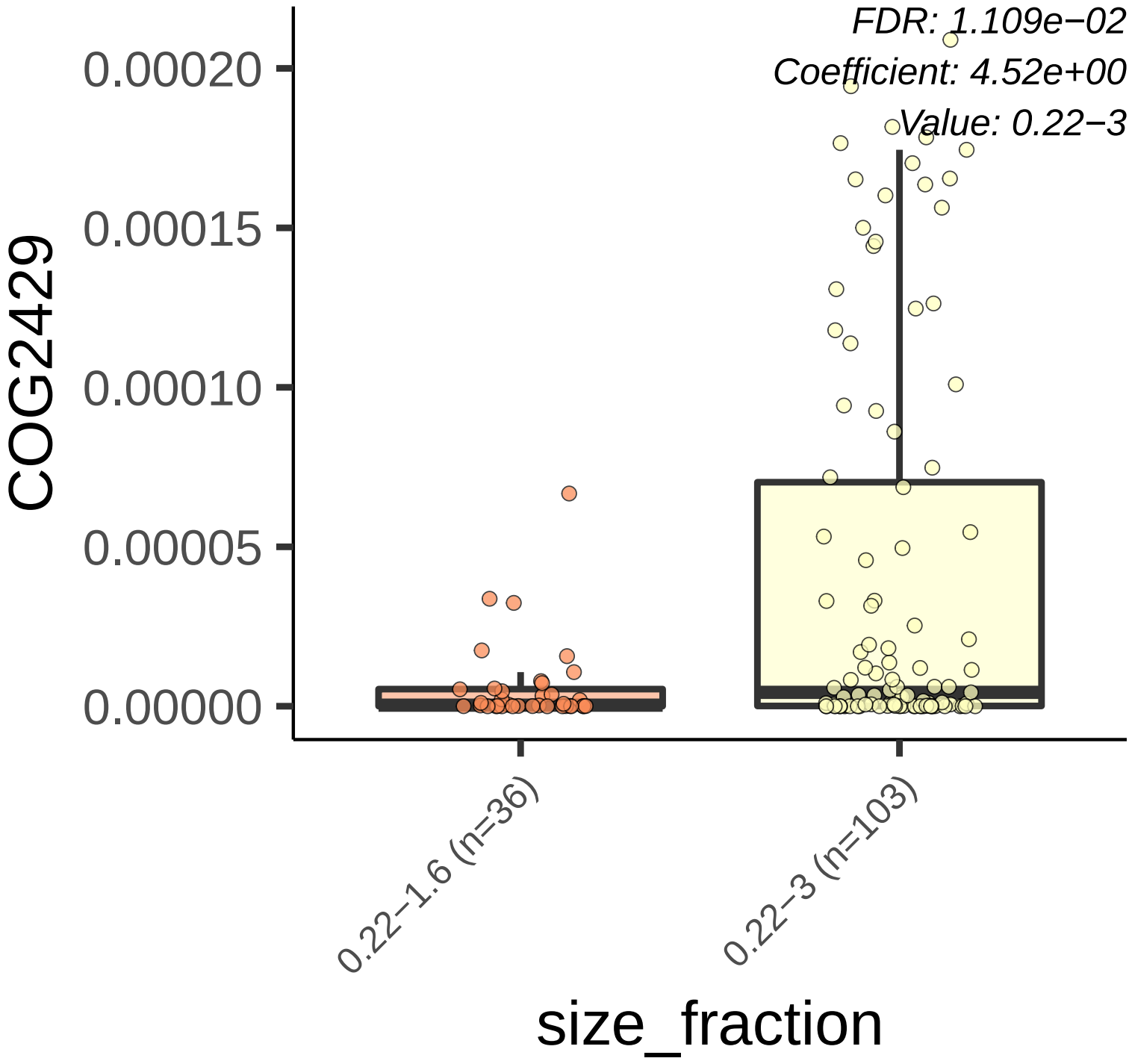

FDR: 1.093e−02
Coefficient: 1.28e+00
Value: 0.22−3
COG4585
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

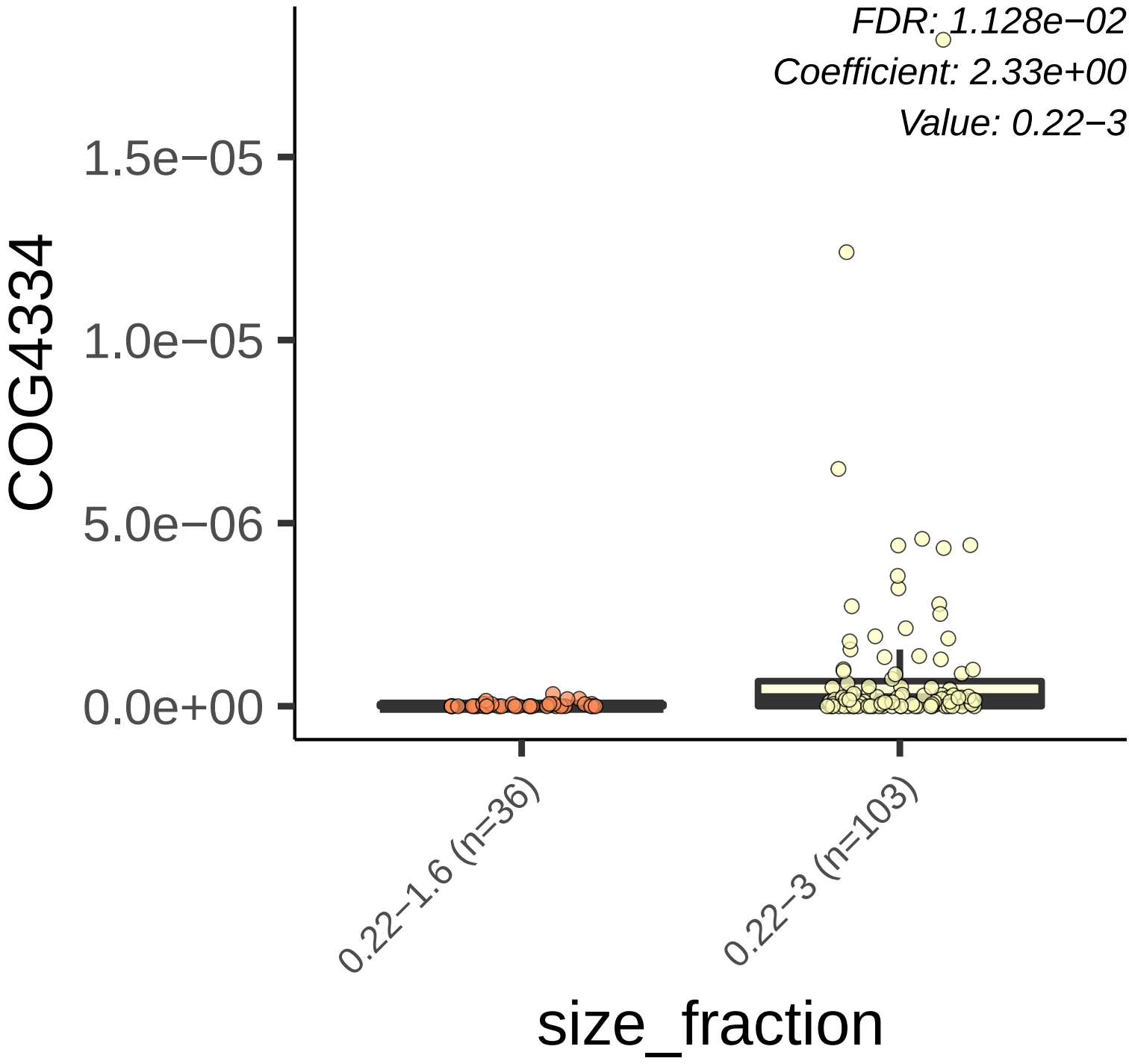

FDR: 1.097e−02
Coefficient: 2.10e+00
Value: 0.22−3
COG3319
1e−05
5e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

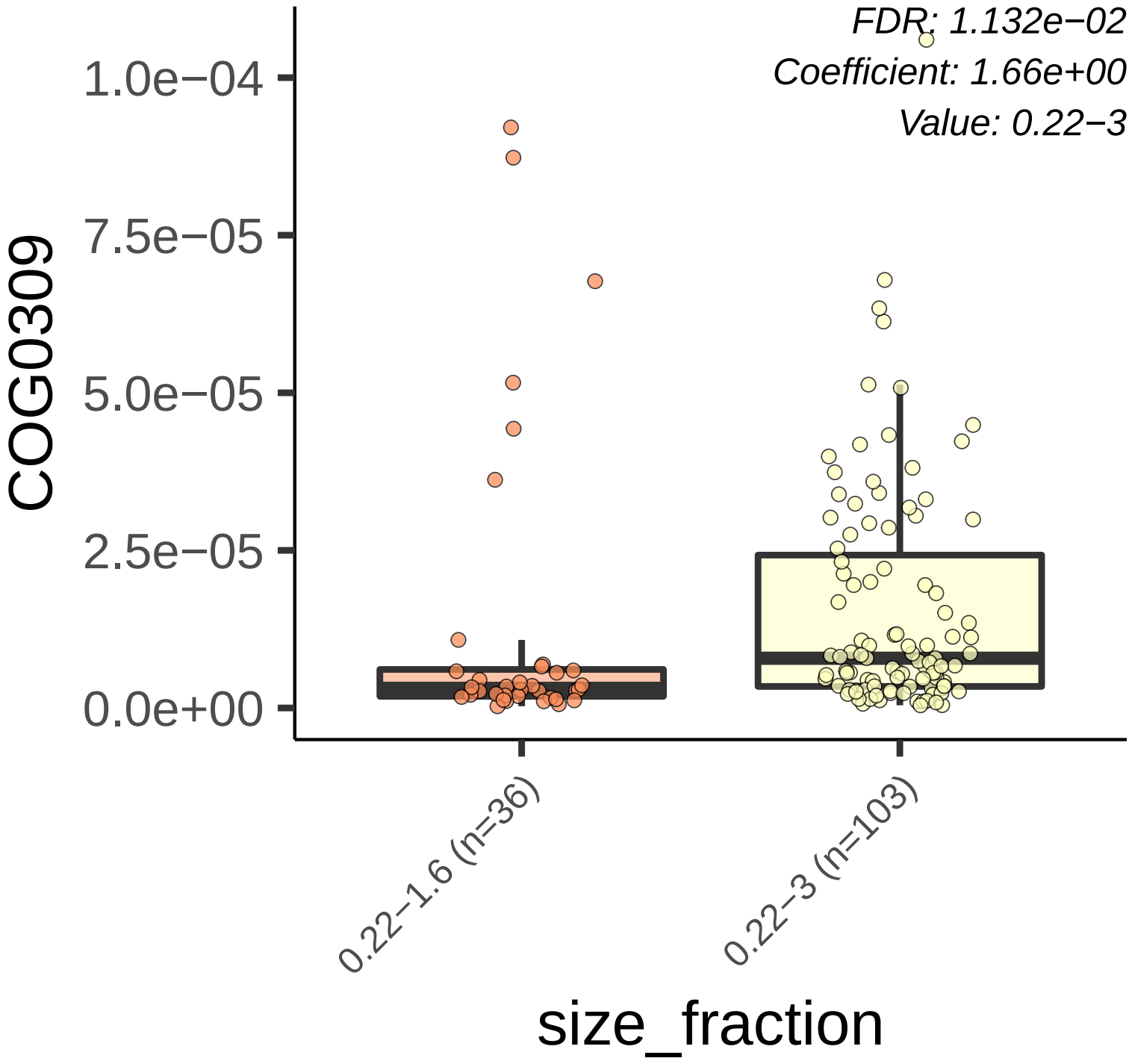

FDR: 1.100e−02
Coefficient: 1.97e+00
Value: 0.22−3
COG4577
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

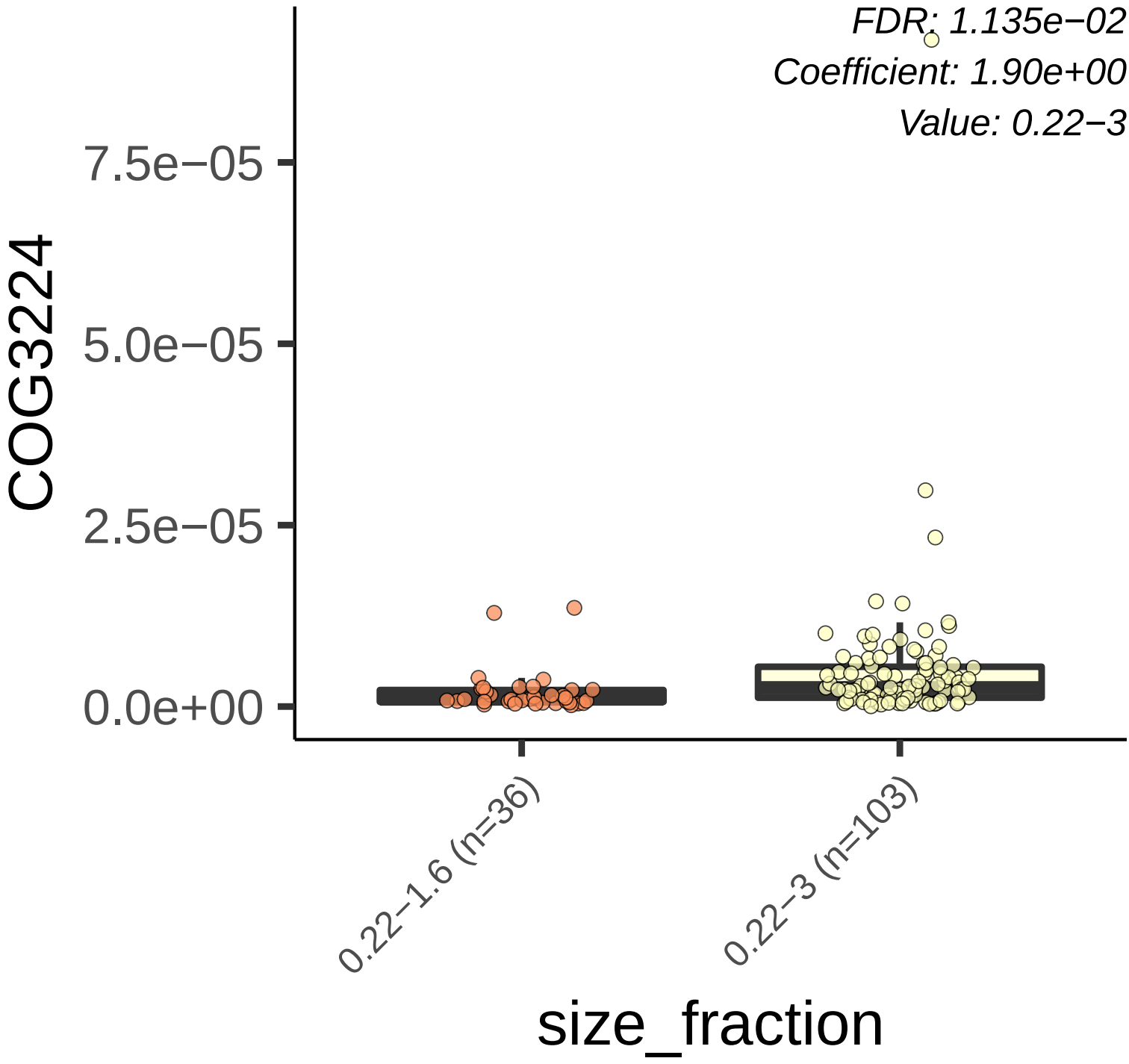

FDR: 1.101e−02
Coefficient: 2.54e+00
Value: 0.22−3
COG4085
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

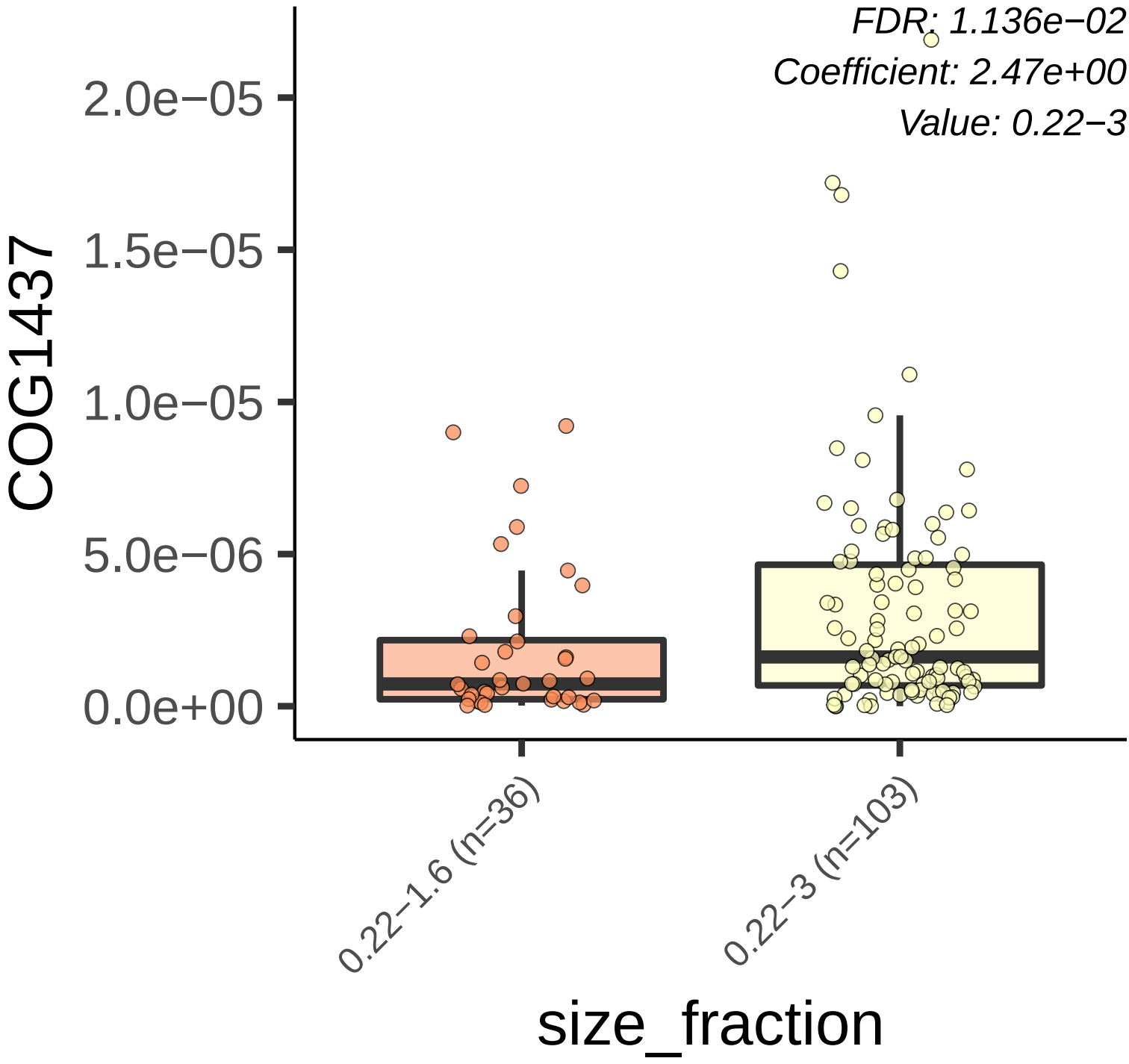

FDR: 1.106e−02
Coefficient: −1.67e−01
Value: 0.22−3
6e−04
5e−04
4e−04
3e−04
COG0345
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

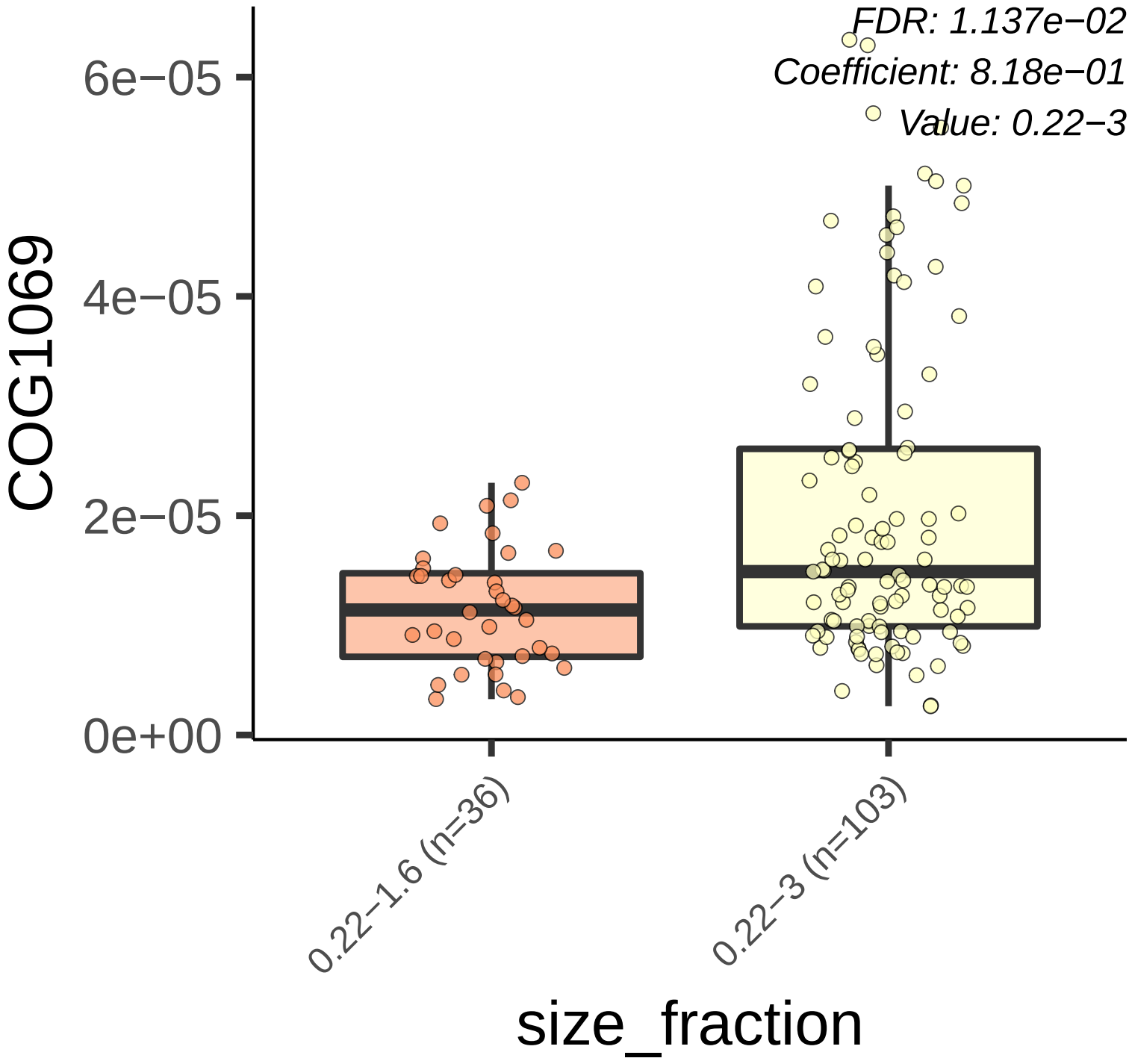

FDR: 1.109e−02
Coefficient: 4.52e+00
Value: 0.22−3
COG2429
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

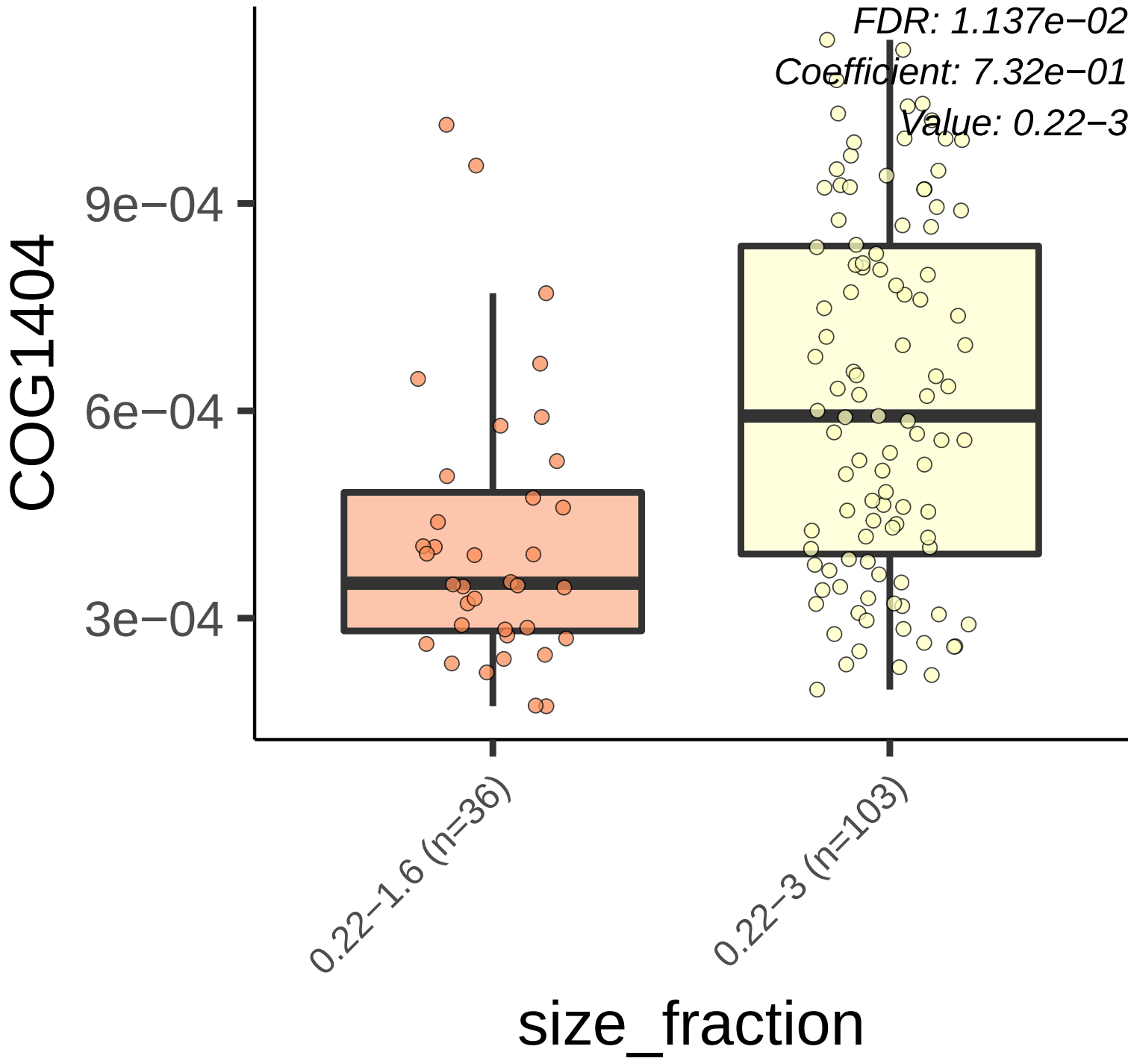

FDR: 1.128e−02
Coefficient: 2.33e+00
Value: 0.22−3
COG4334
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

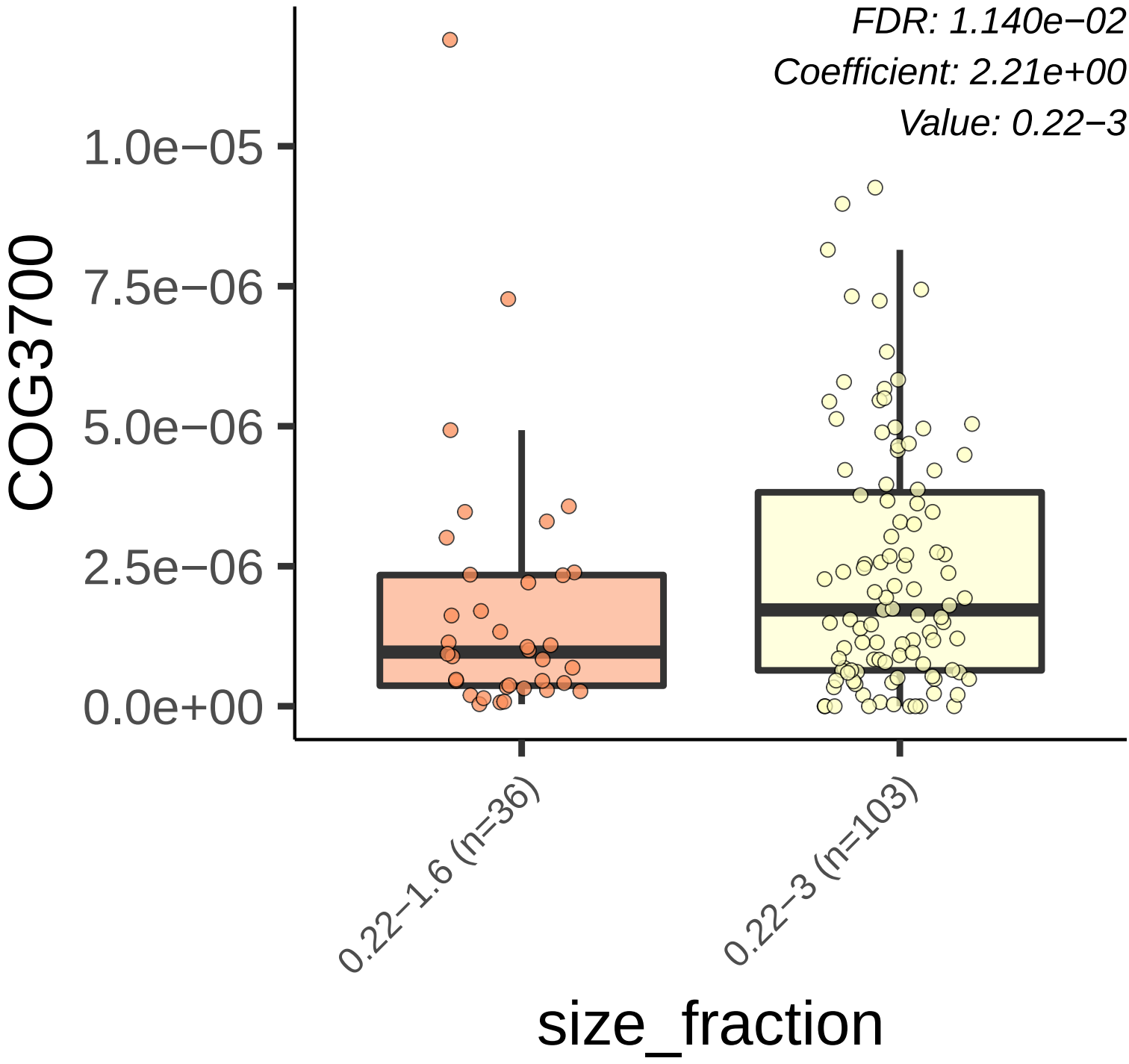

FDR: 1.132e−02
Coefficient: 1.66e+00
Value: 0.22−3
COG0309
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

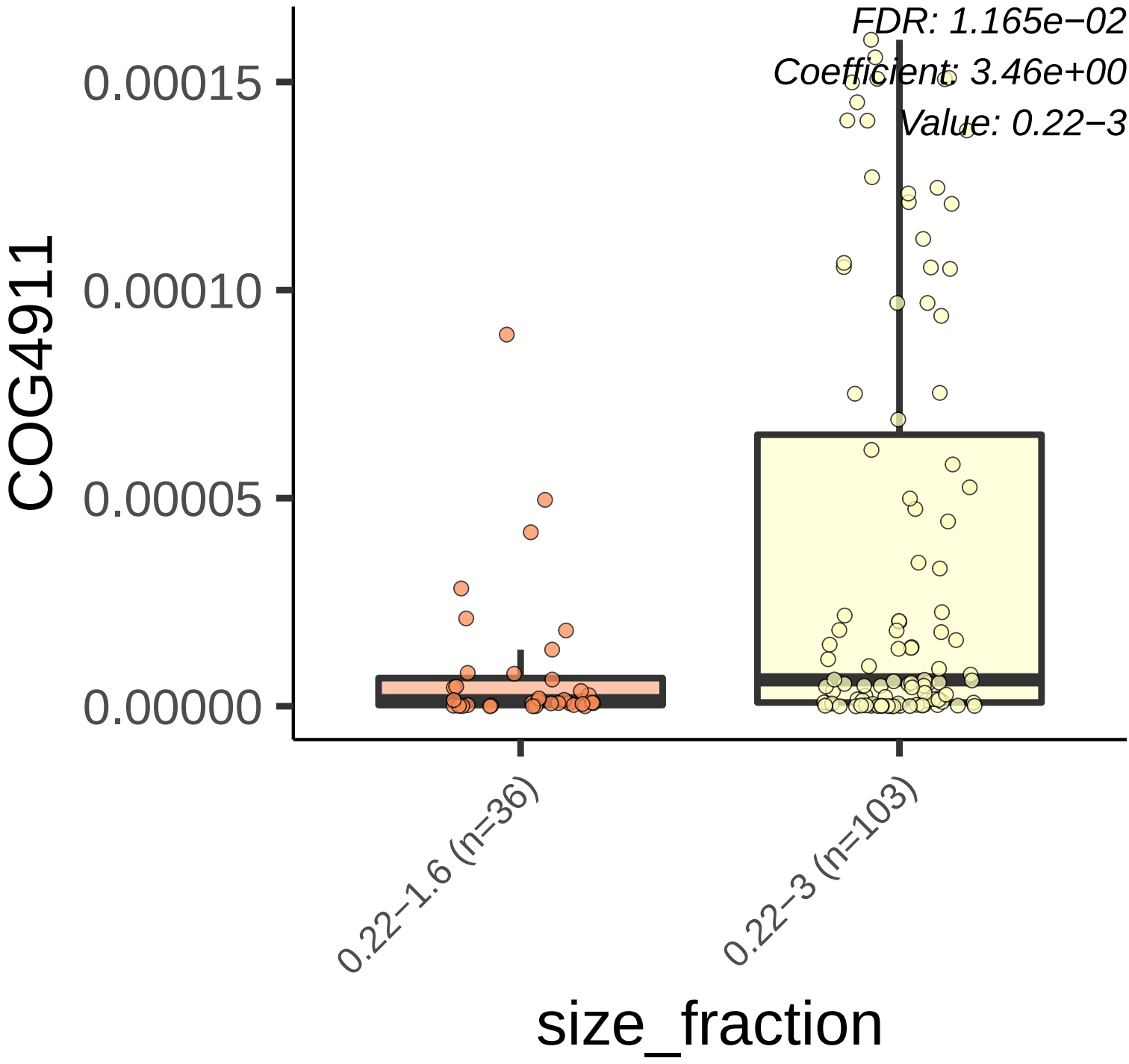

FDR: 1.135e−02
Coefficient: 1.90e+00
Value: 0.22−3
COG3224
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

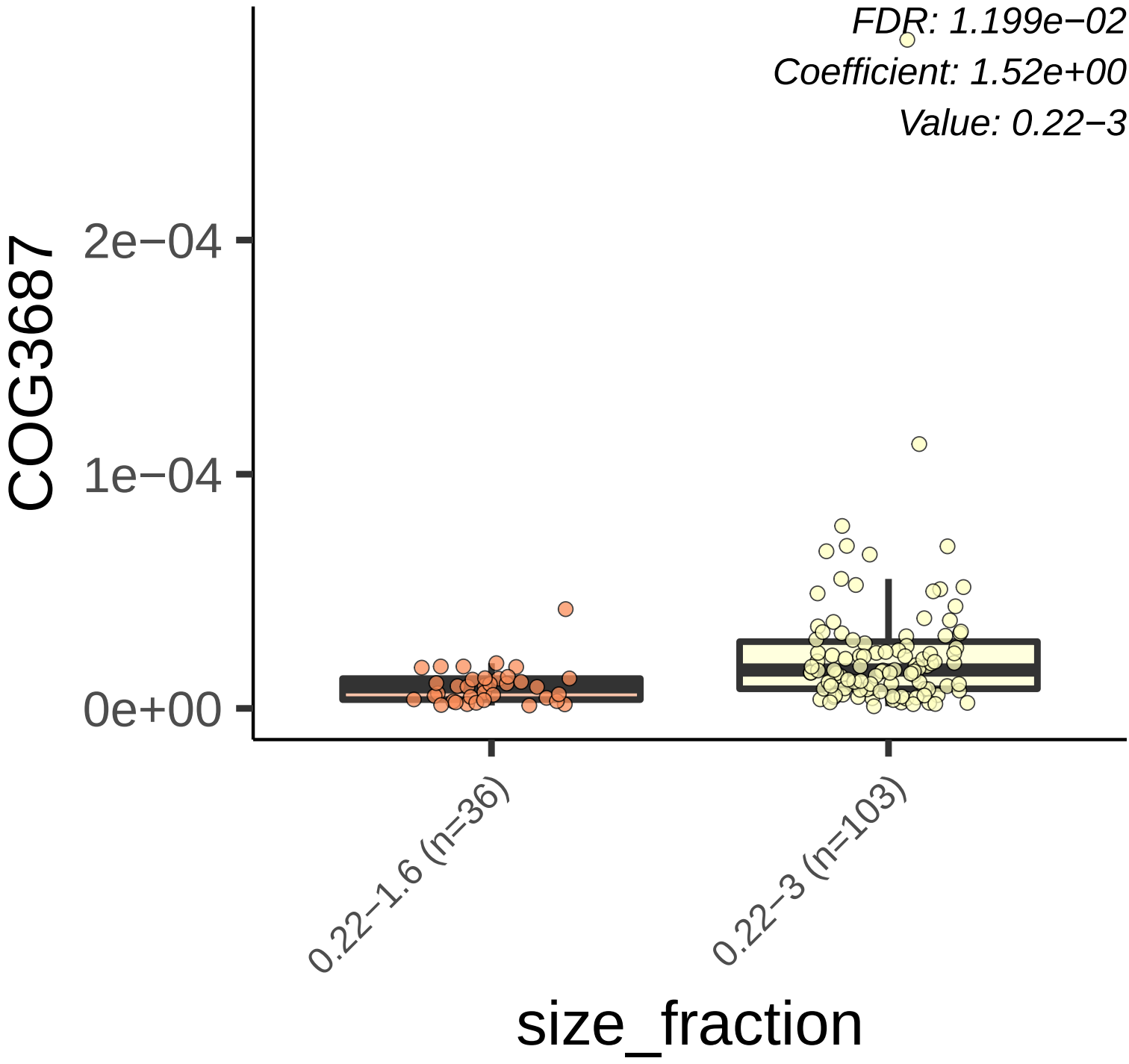

FDR: 1.136e−02
Coefficient: 2.47e+00
Value: 0.22−3
COG1437
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

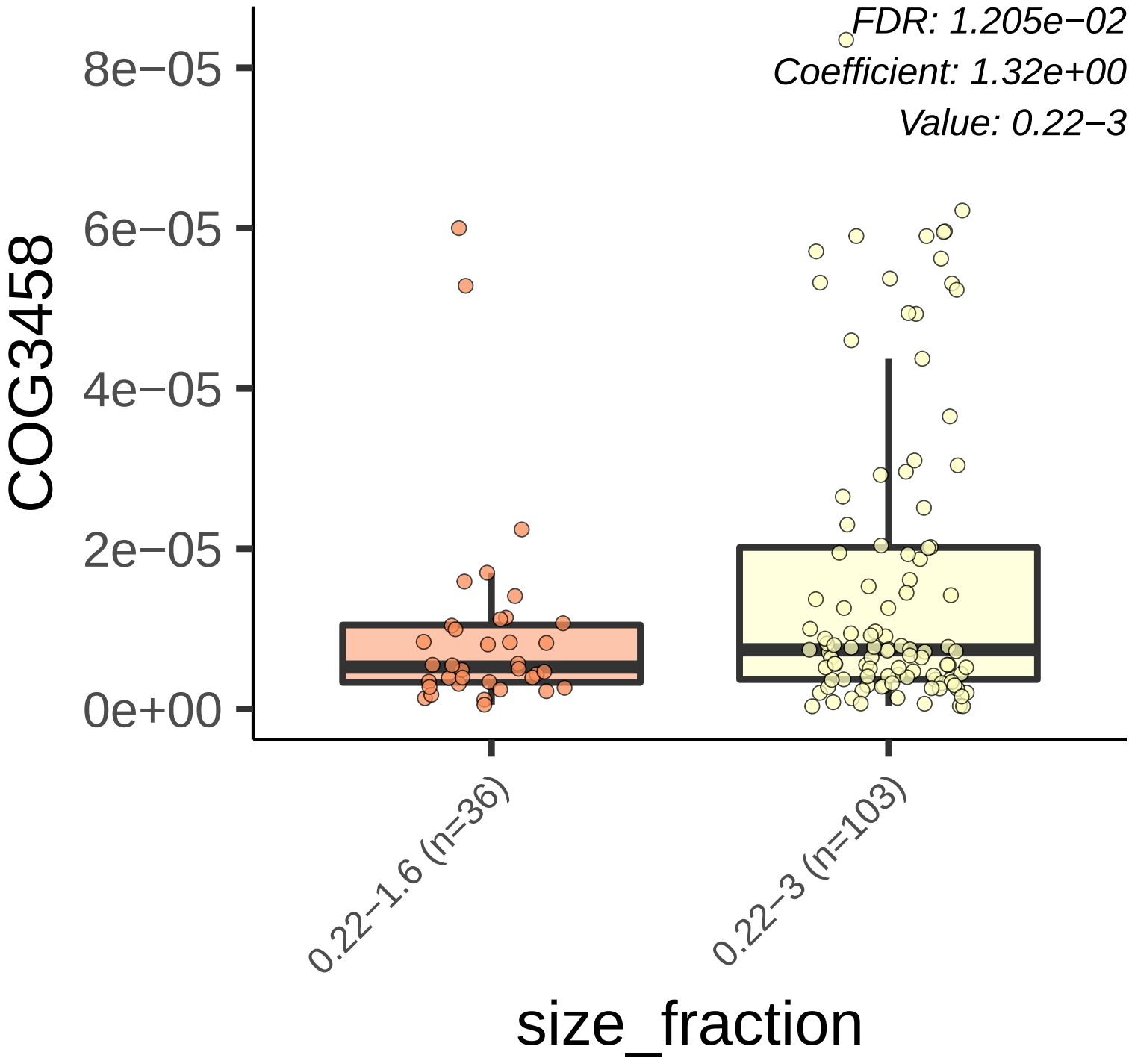

FDR: 1.137e−02
Coefficient: 8.18e−01
Value: 0.22−3
COG1069
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

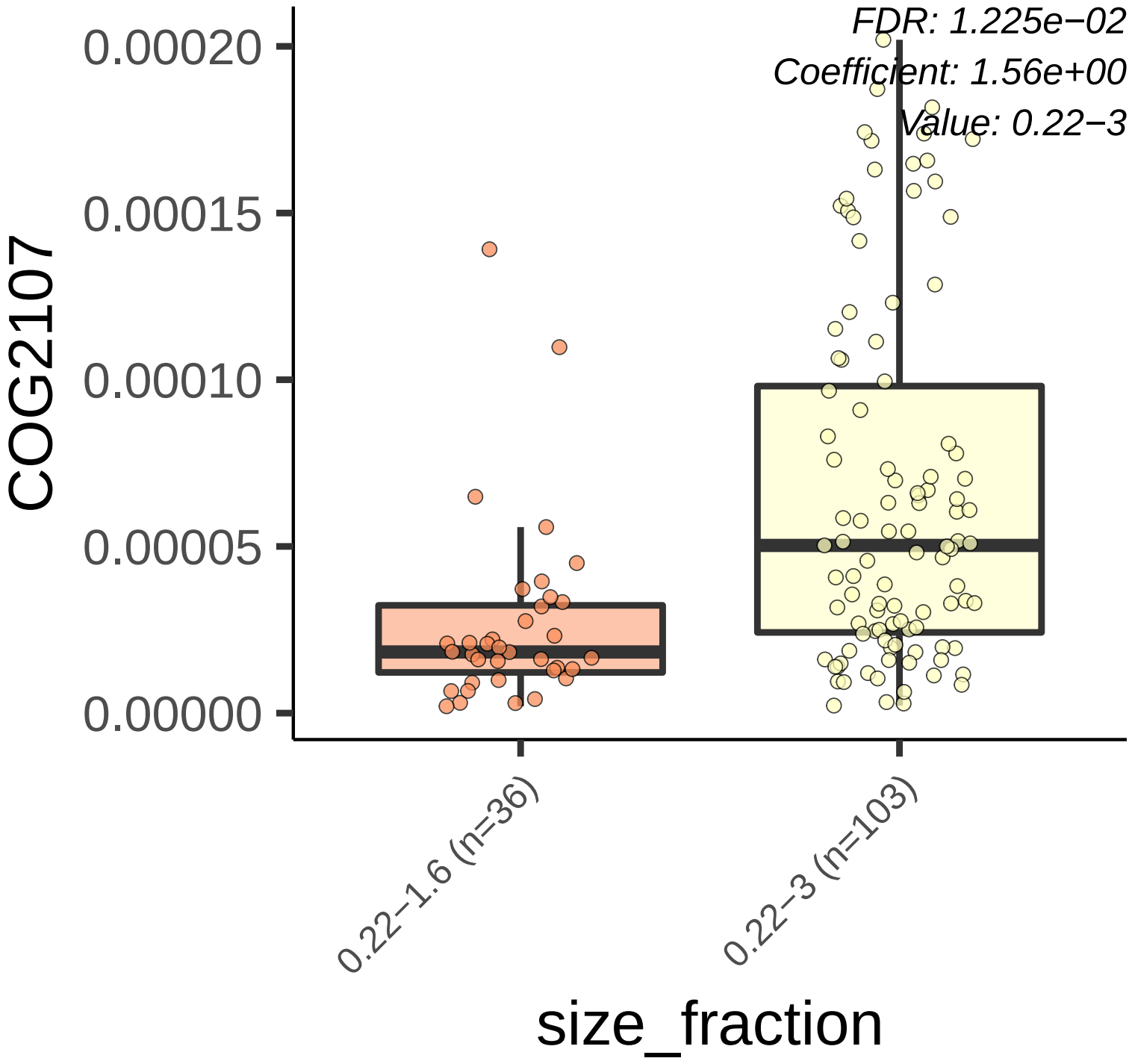

FDR: 1.137e−02
Coefficient: 7.32e−01
Value: 0.22−3
COG1404
9e−04
6e−04
3e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

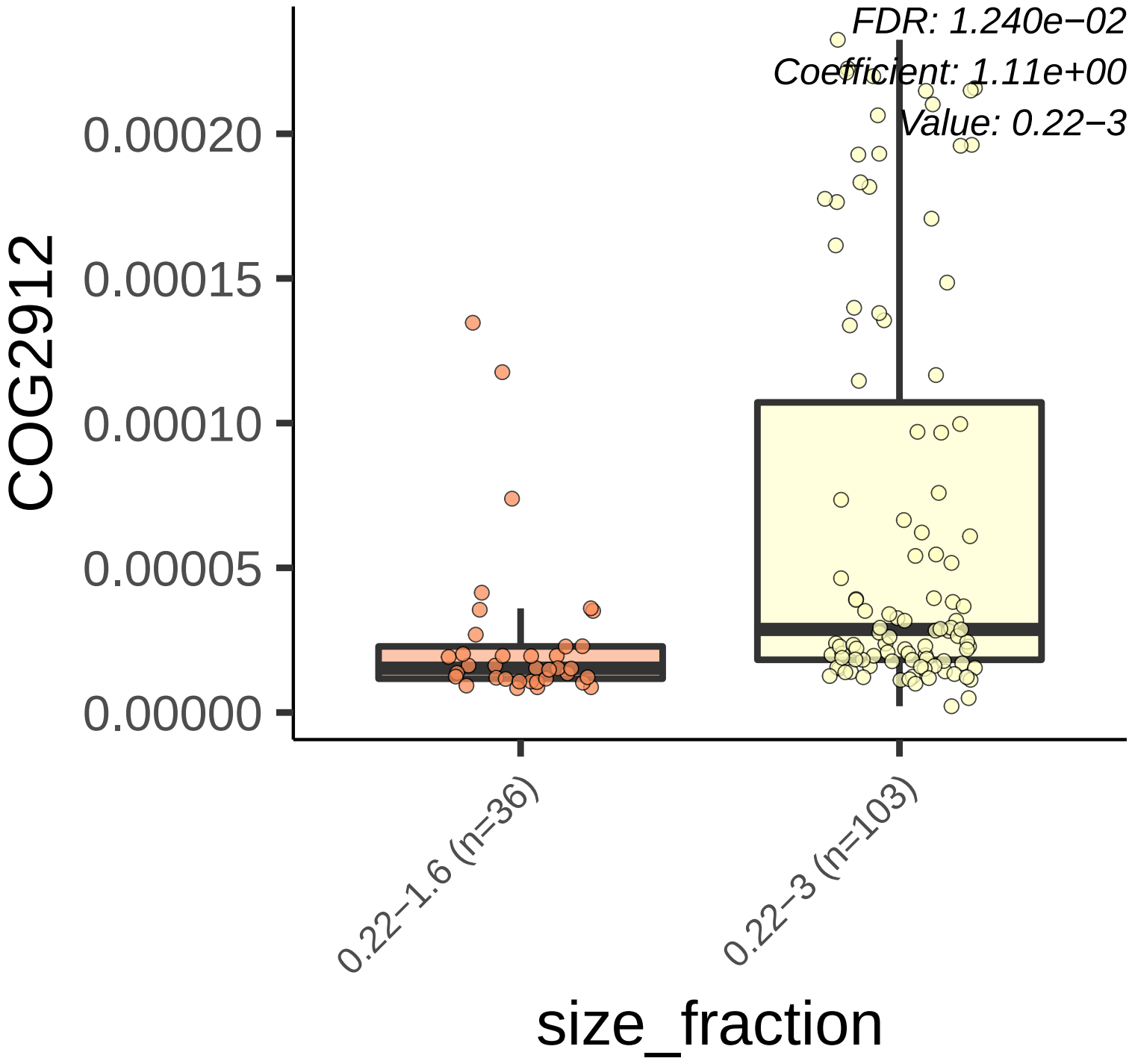

FDR: 1.140e−02
Coefficient: 2.21e+00
Value: 0.22−3
COG3700
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

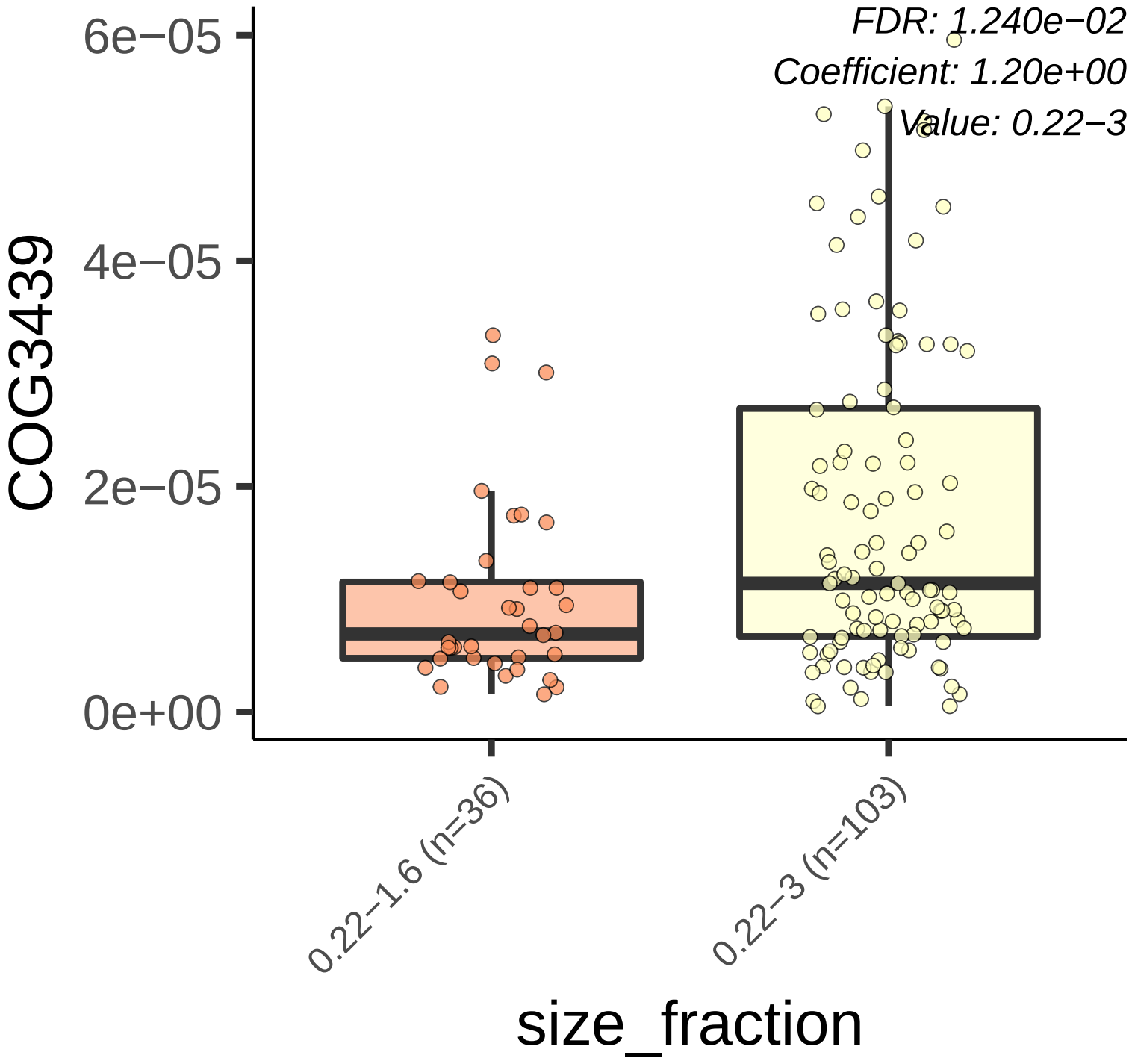

FDR: 1.165e−02
Coefficient: 3.46e+00
Value: 0.22−3
COG4911
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

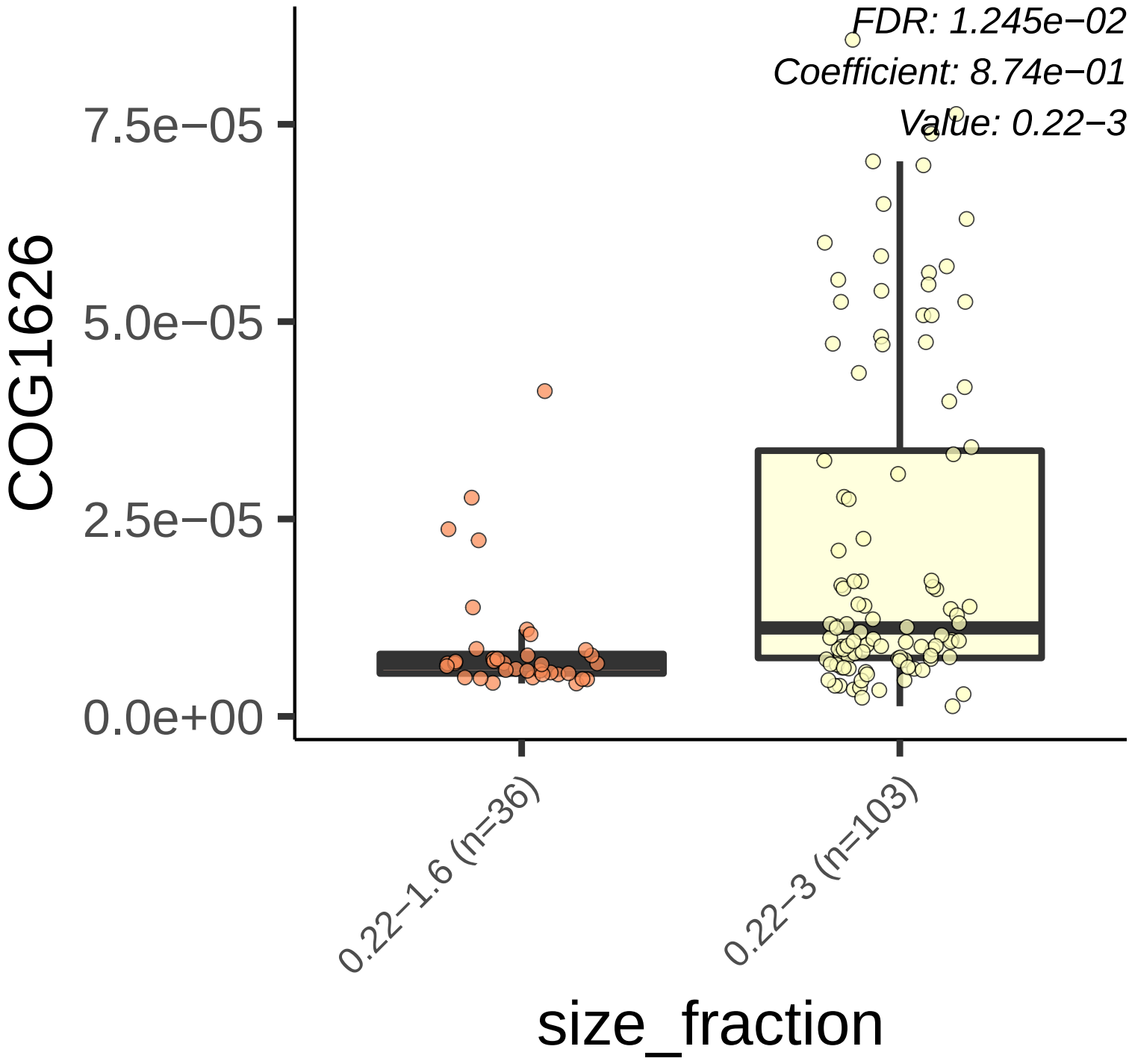

FDR: 1.199e−02
Coefficient: 1.52e+00
Value: 0.22−3
COG3687
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

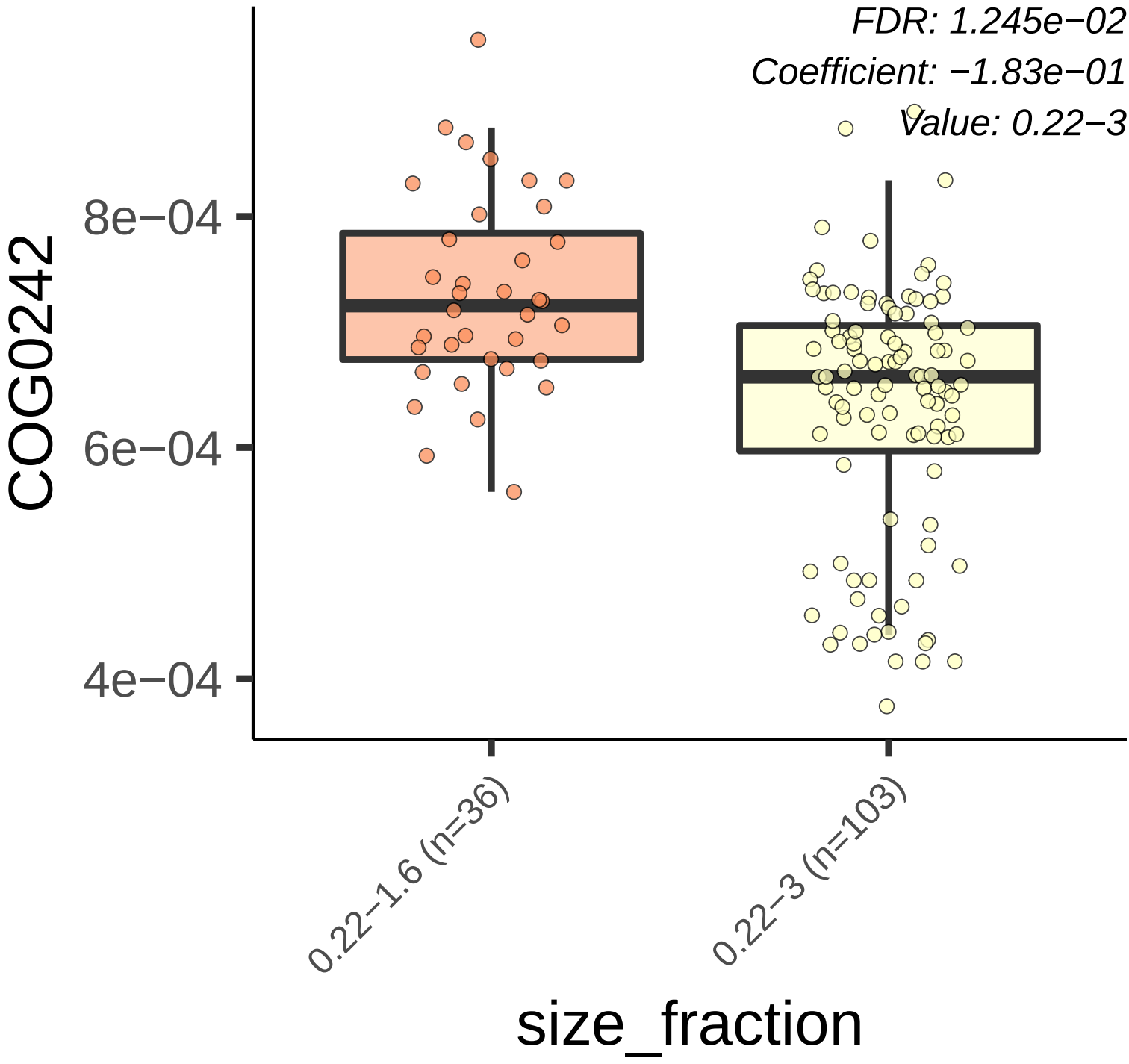

FDR: 1.205e−02
Coefficient: 1.32e+00
Value: 0.22−3
COG3458
8e−05
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

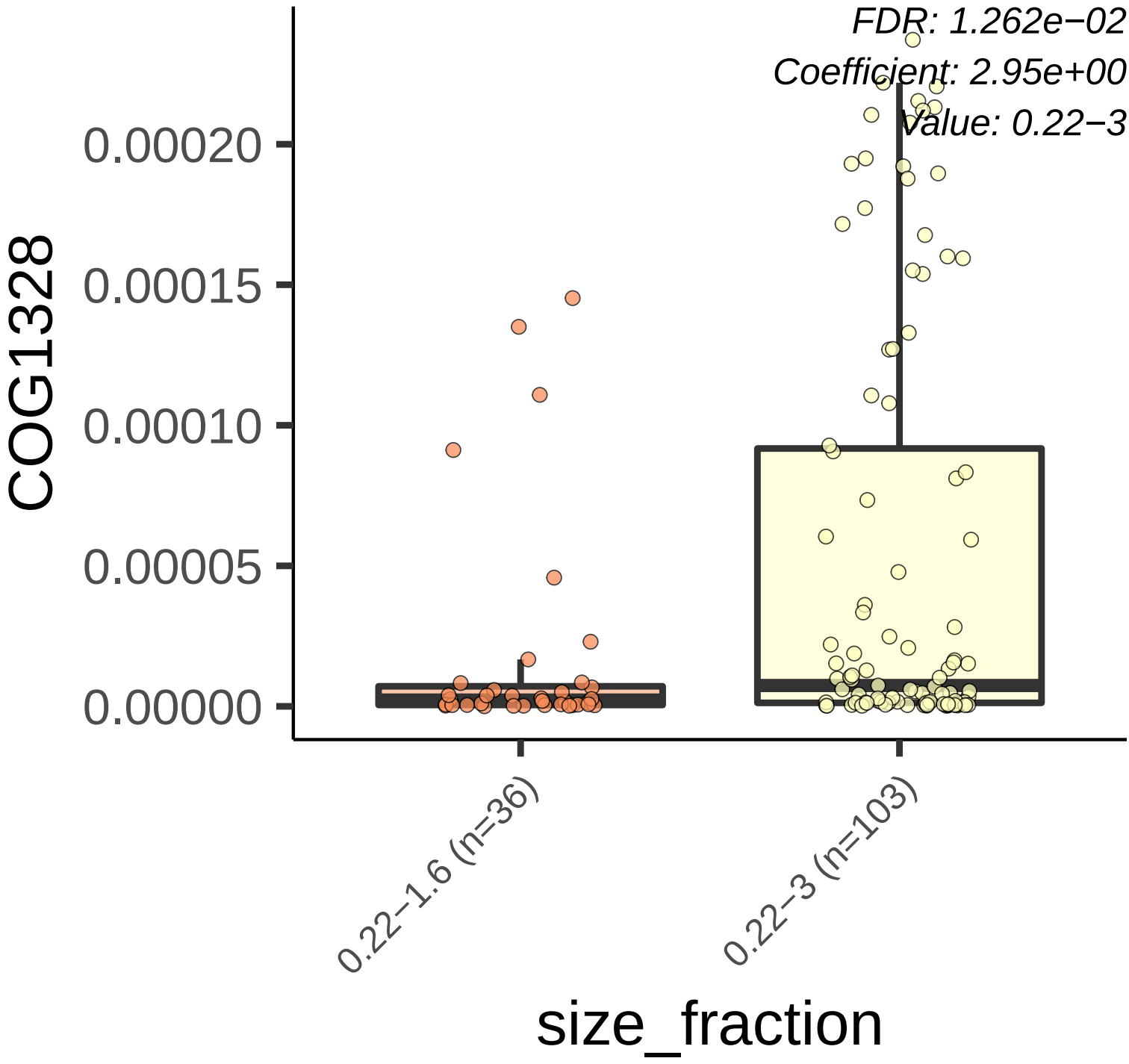

FDR: 1.225e−02
Coefficient: 1.56e+00
Value: 0.22−3
COG2107
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

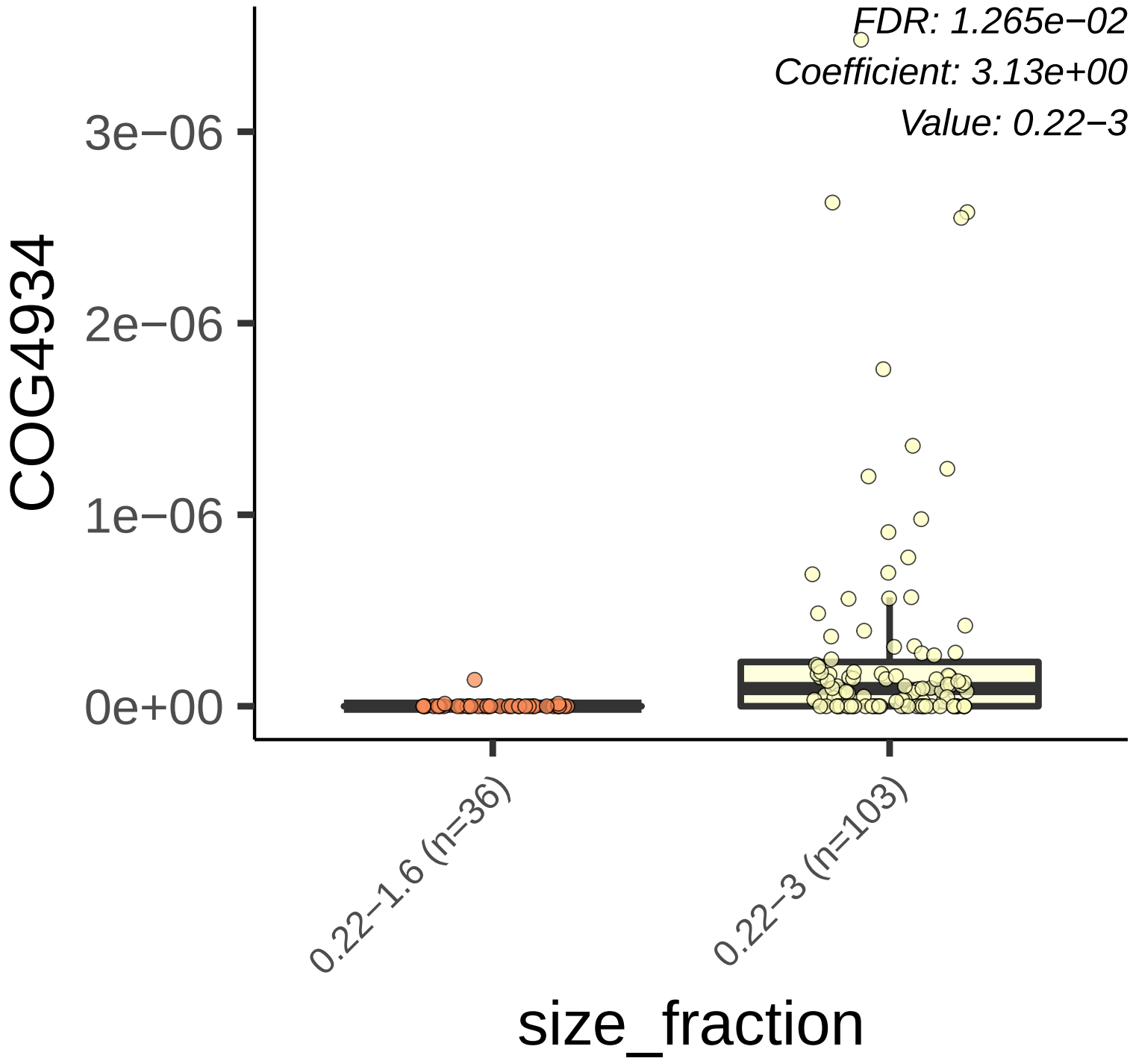

FDR: 1.240e−02
Coefficient: 1.11e+00
Value: 0.22−3
COG2912
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

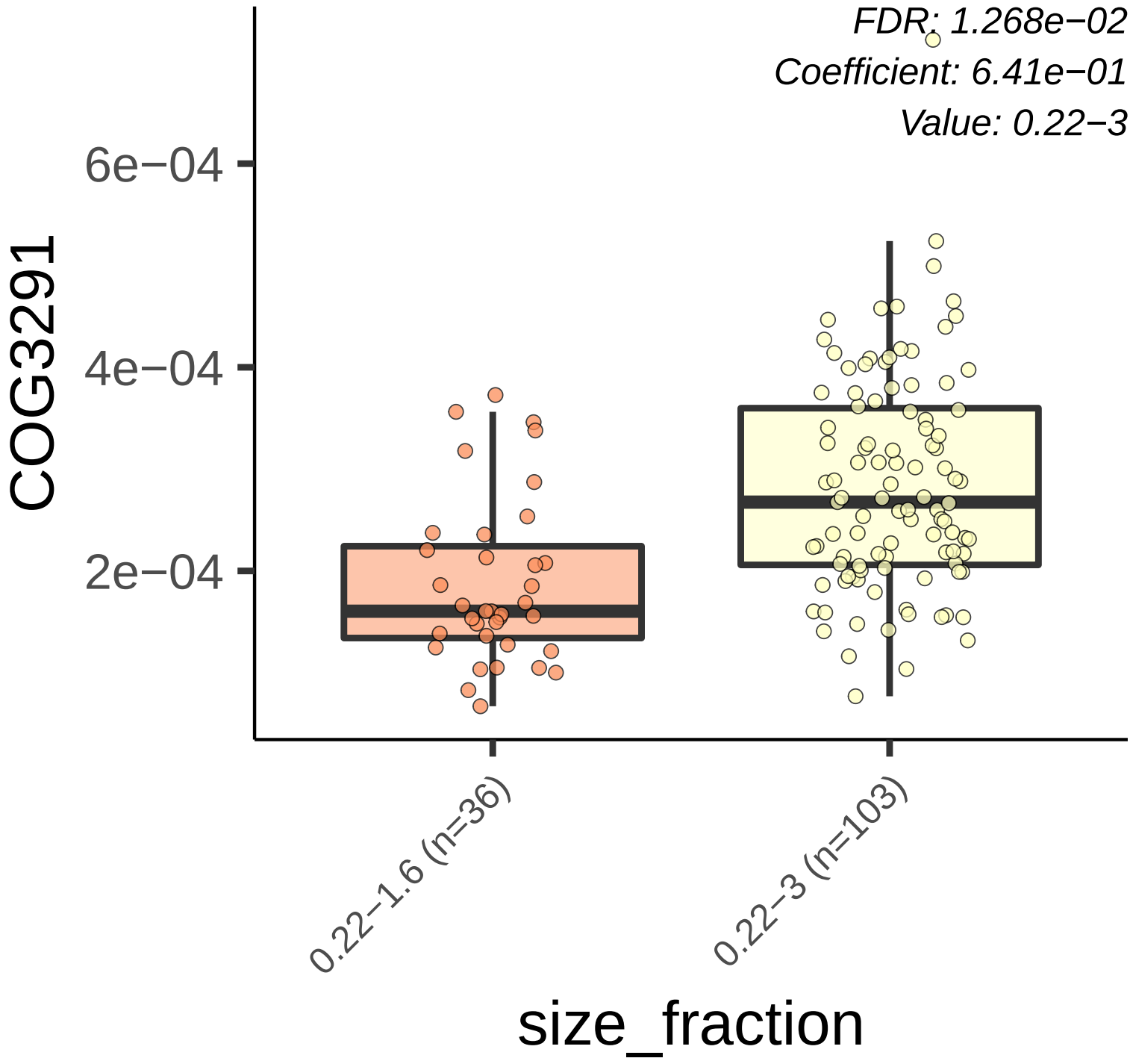

FDR: 1.240e−02
Coefficient: 1.20e+00
Value: 0.22−3
COG3439
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

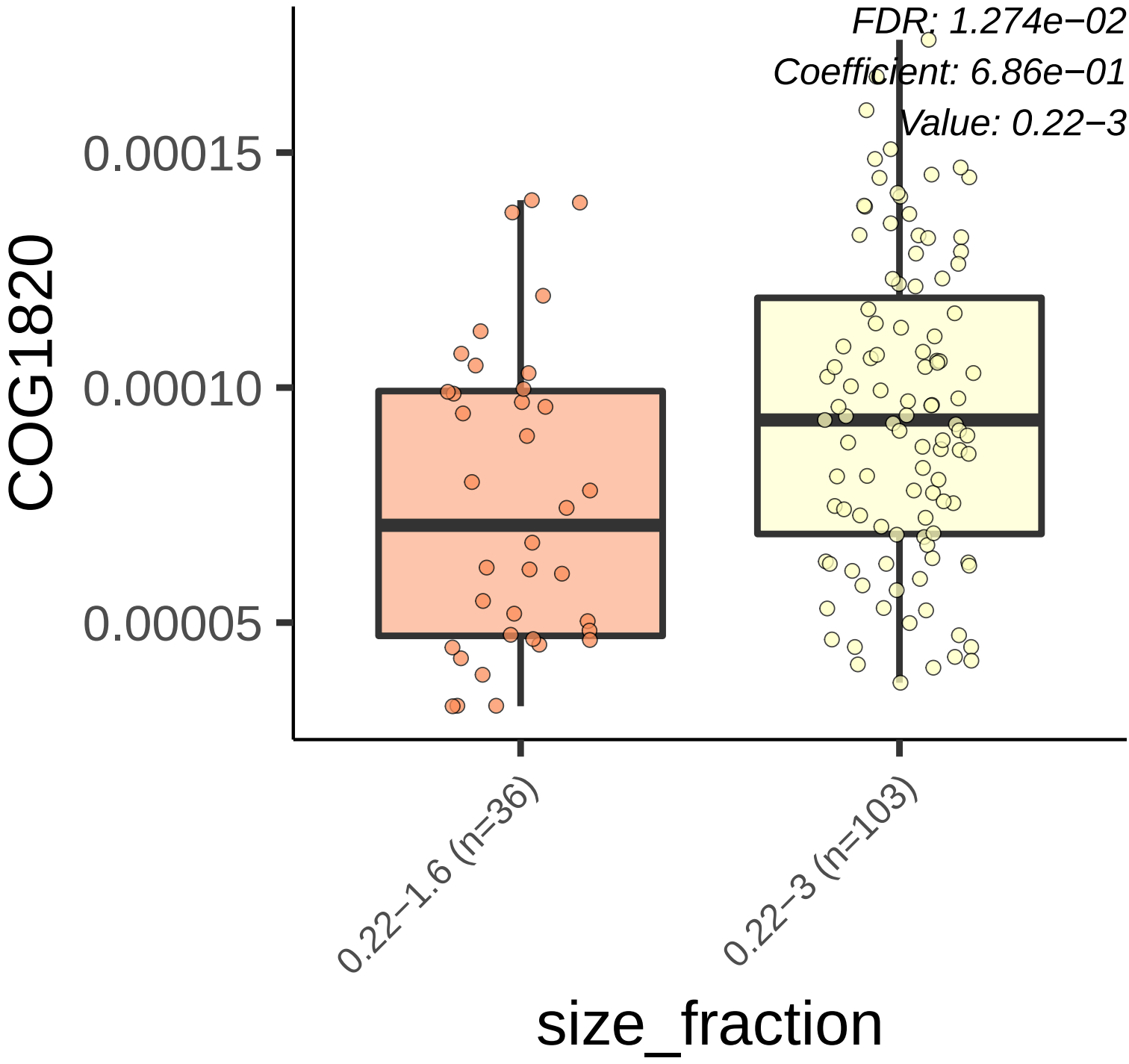

FDR: 1.245e−02
Coefficient: 8.74e−01
Value: 0.22−3
COG1626
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

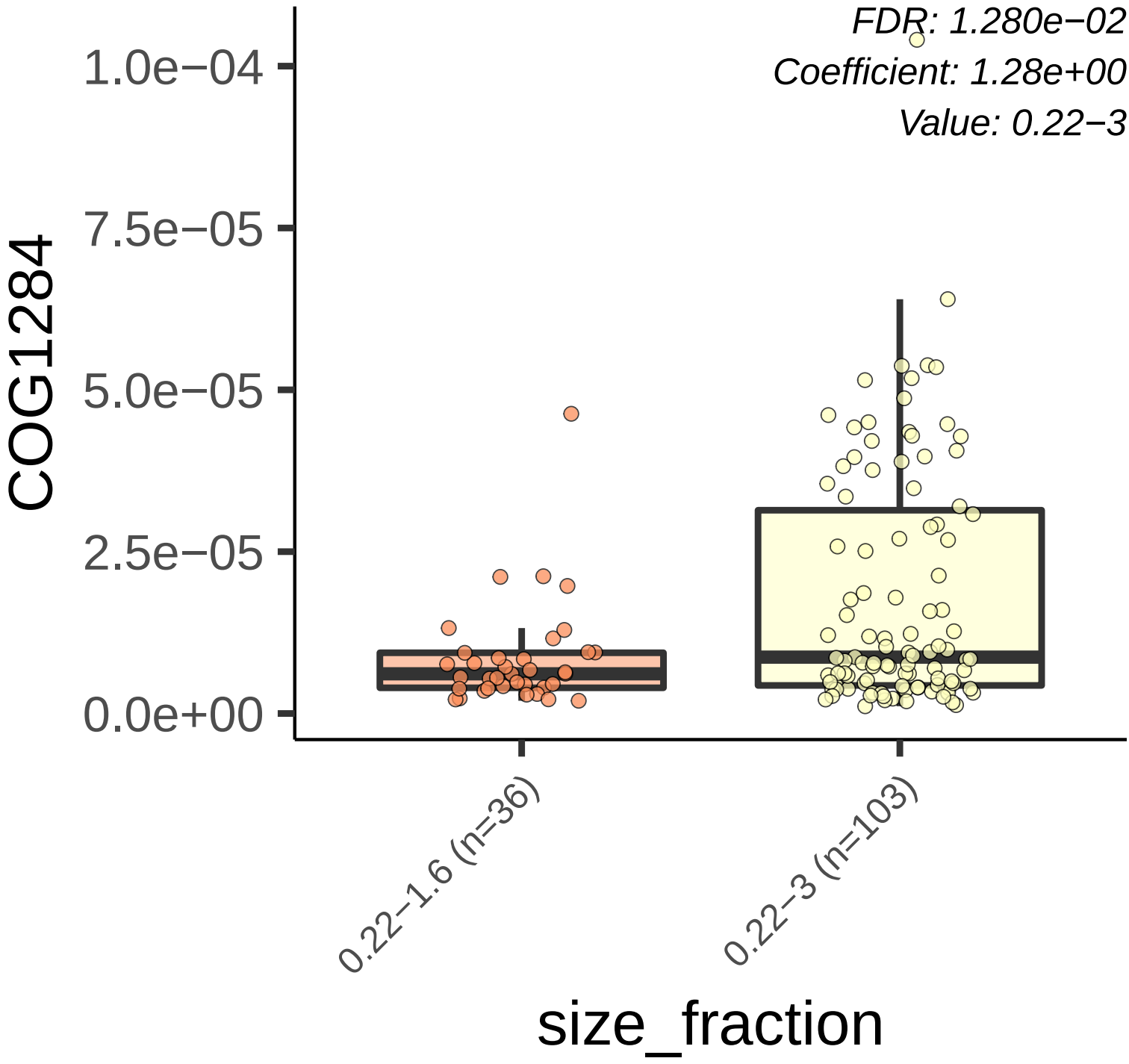

FDR: 1.245e−02
Coefficient: −1.83e−01
Value: 0.22−3
COG0242
8e−04
6e−04
4e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

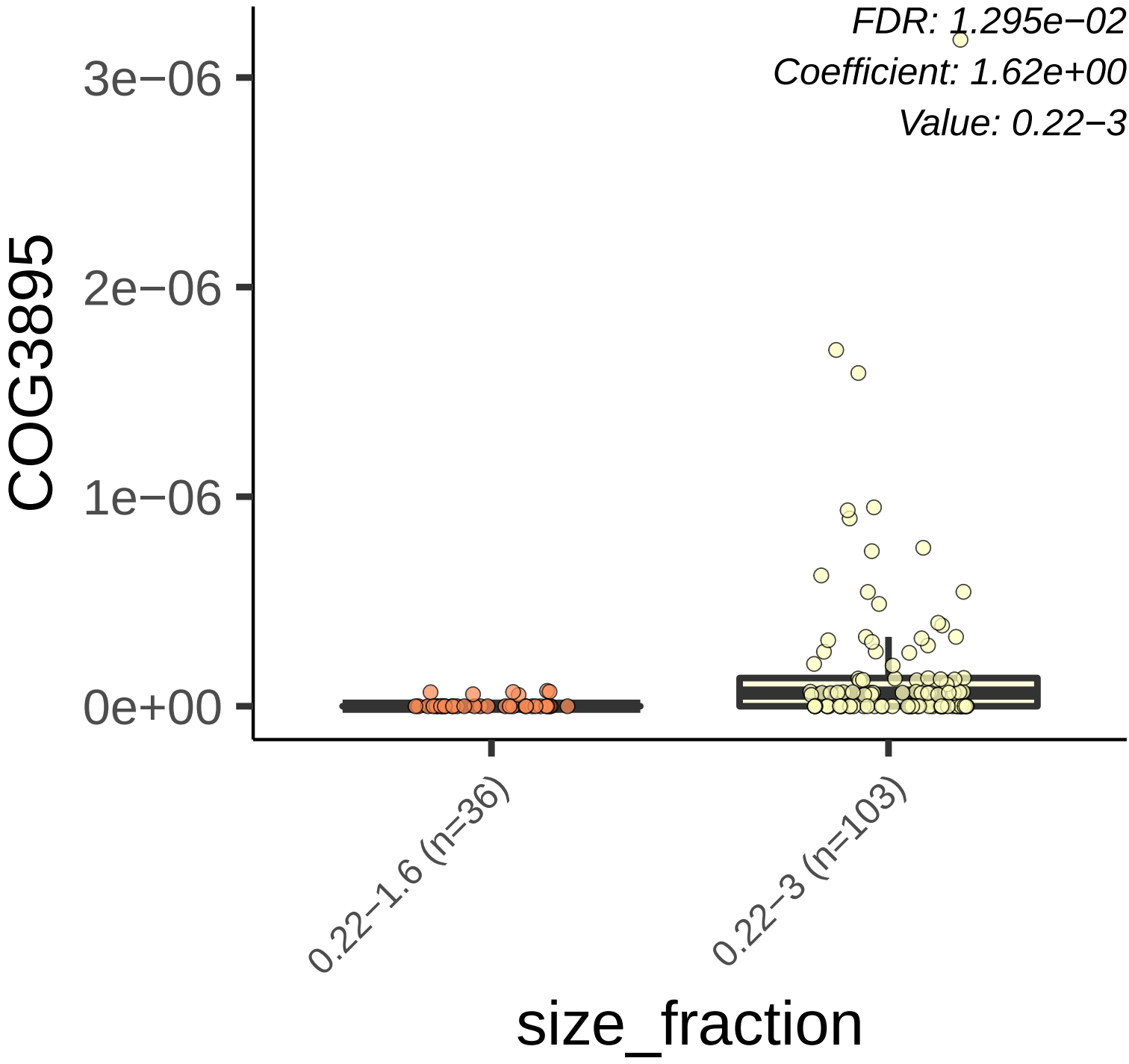

FDR: 1.262e−02
Coefficient: 2.95e+00
Value: 0.22−3
COG1328
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

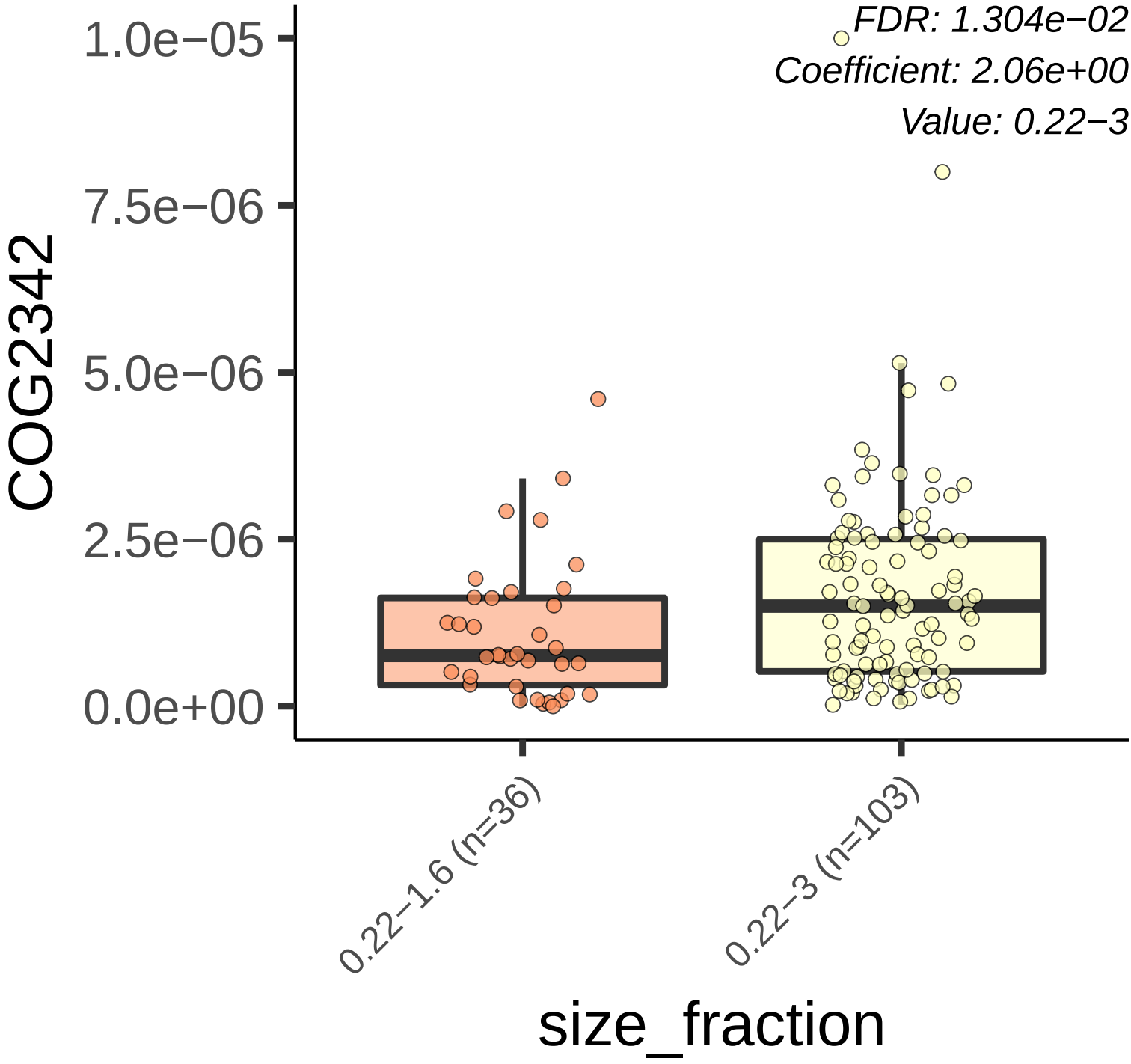

FDR: 1.265e−02
Coefficient: 3.13e+00
Value: 0.22−3
COG4934
3e−06
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

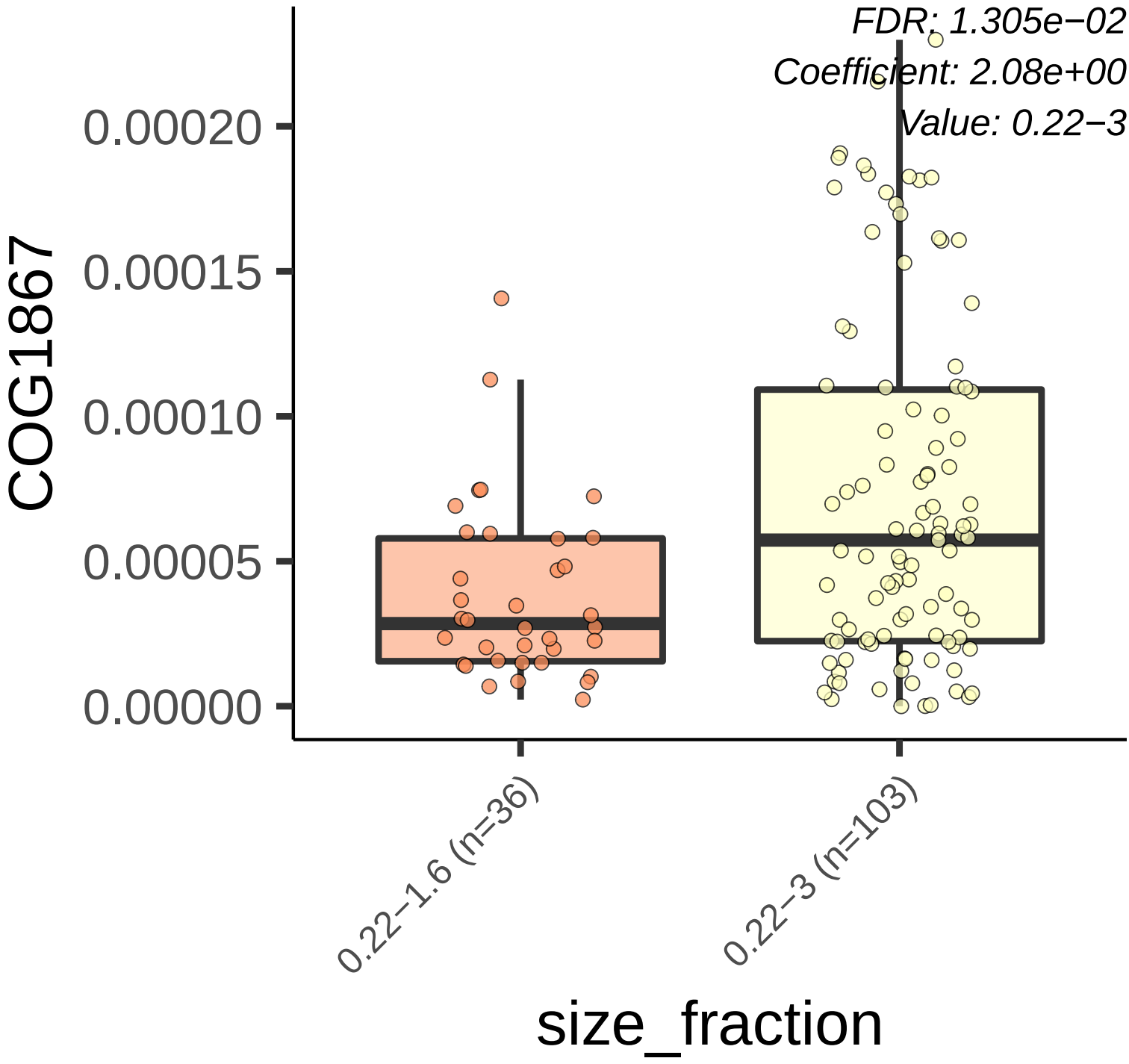

FDR: 1.268e−02
Coefficient: 6.41e−01
Value: 0.22−3
COG3291
6e−04
4e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

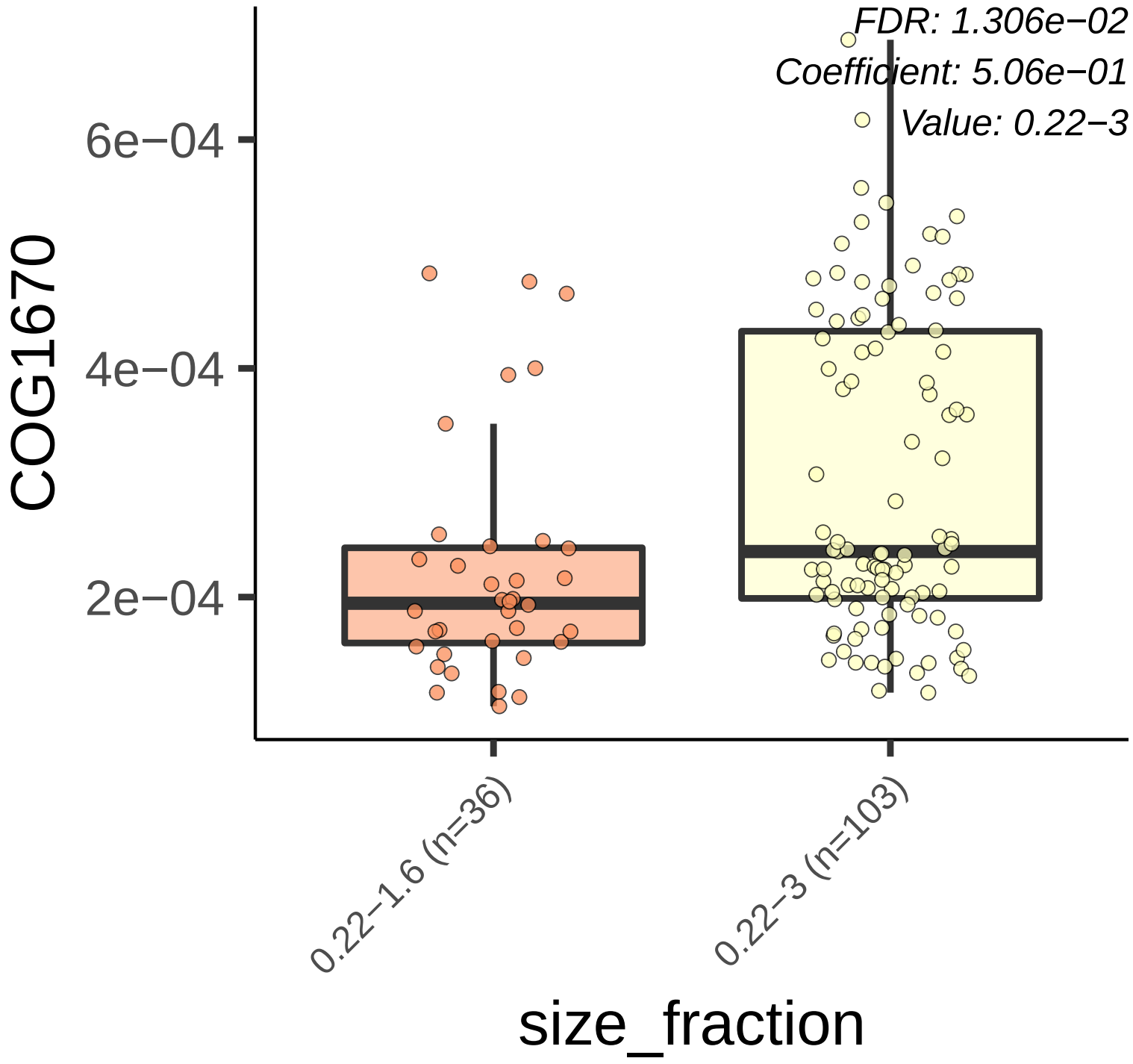

FDR: 1.274e−02
Coefficient: 6.86e−01
Value: 0.22−3
COG1820
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

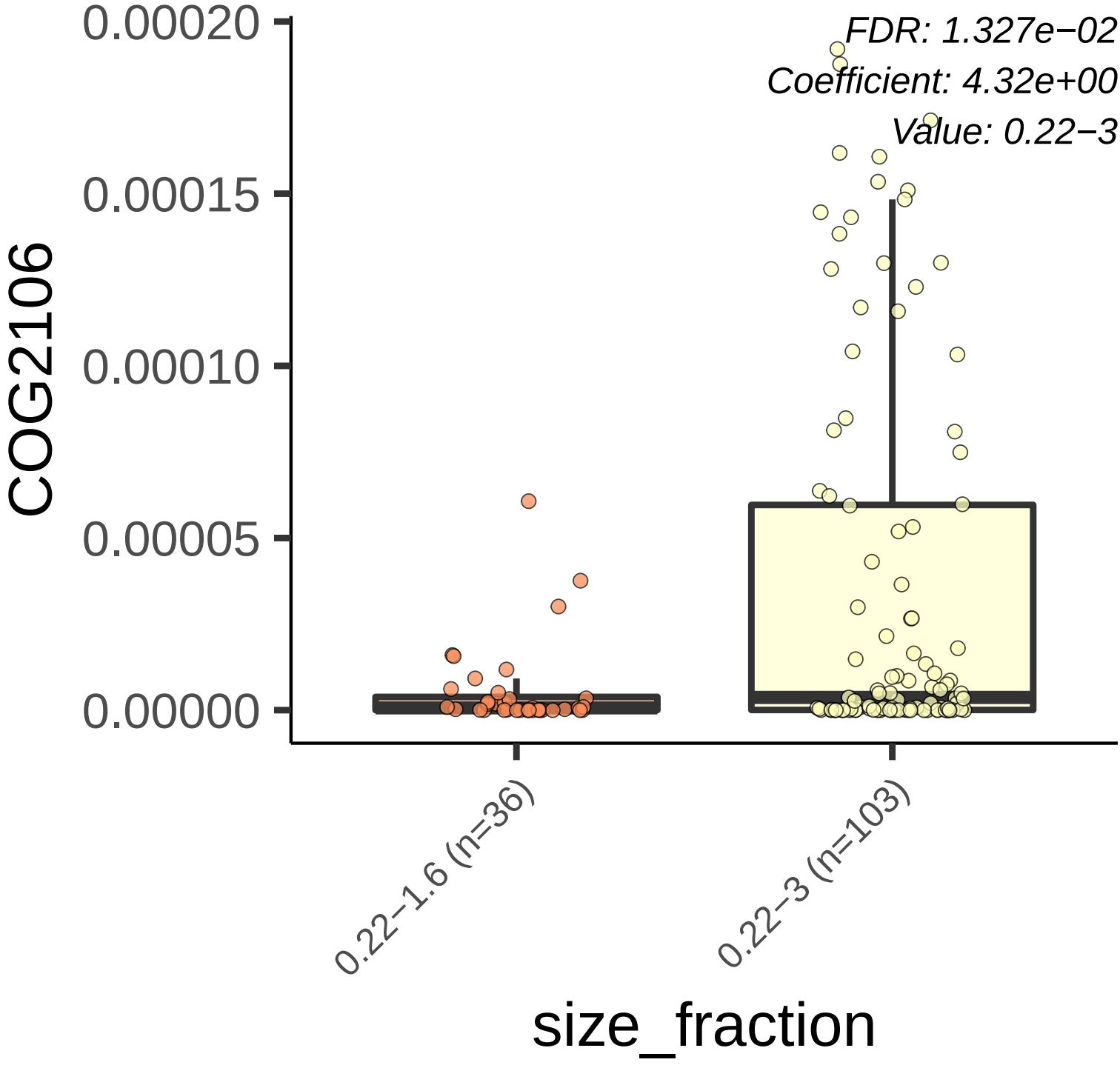

FDR: 1.280e−02
Coefficient: 1.28e+00
Value: 0.22−3
COG1284
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

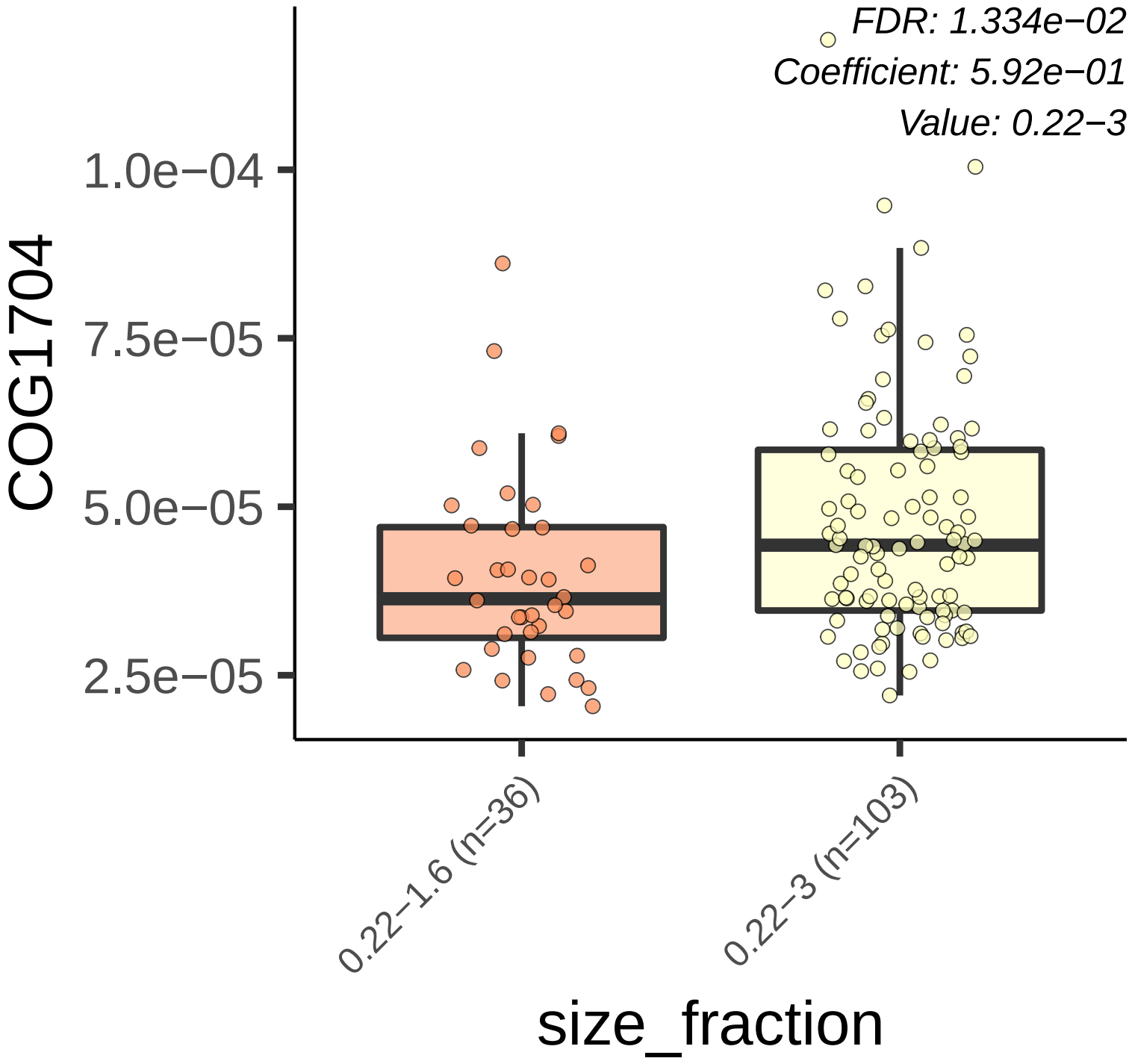

FDR: 1.295e−02
Coefficient: 1.62e+00
Value: 0.22−3
COG3895
3e−06
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

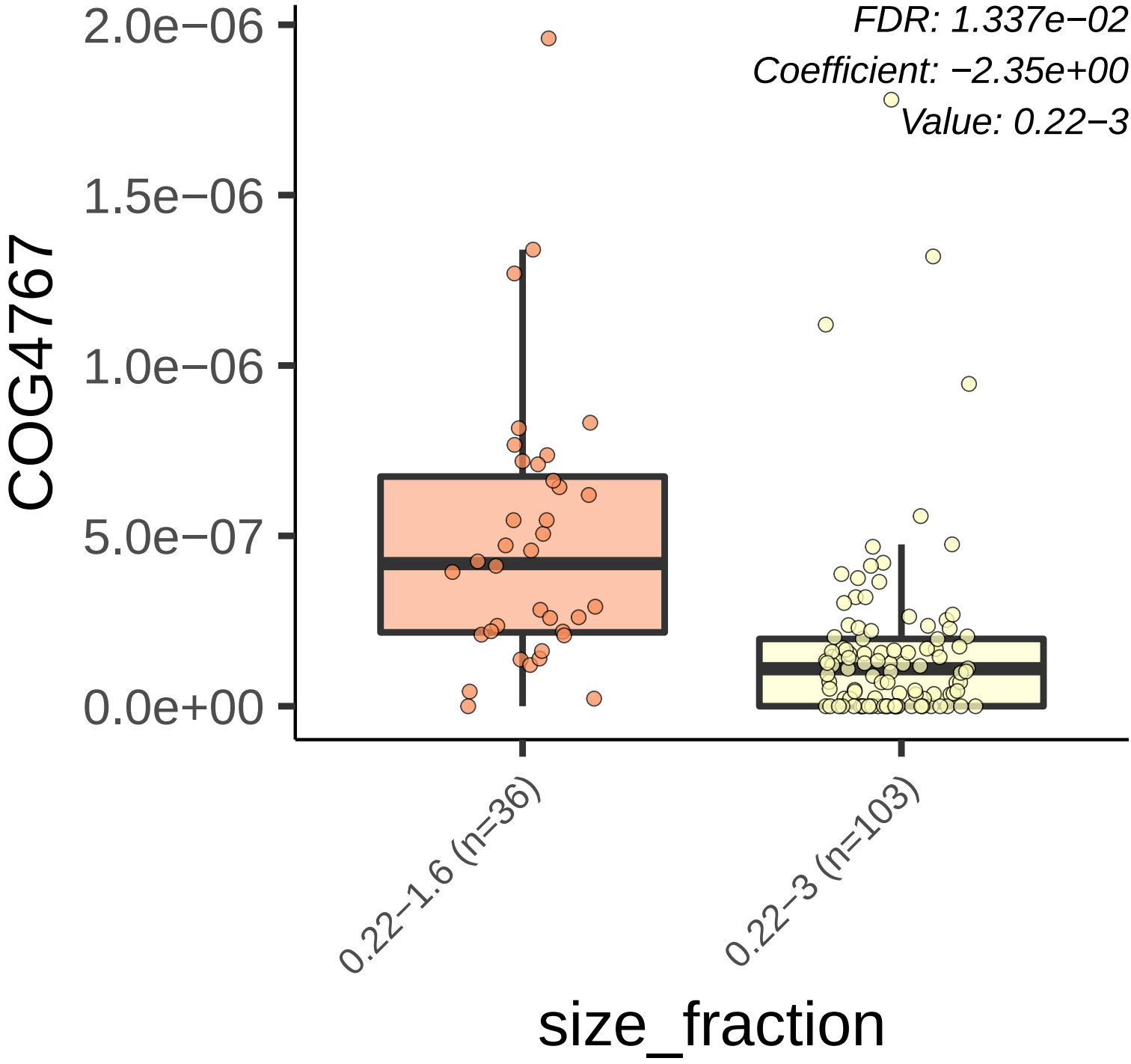

FDR: 1.304e−02
Coefficient: 2.06e+00
Value: 0.22−3
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
COG2342
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

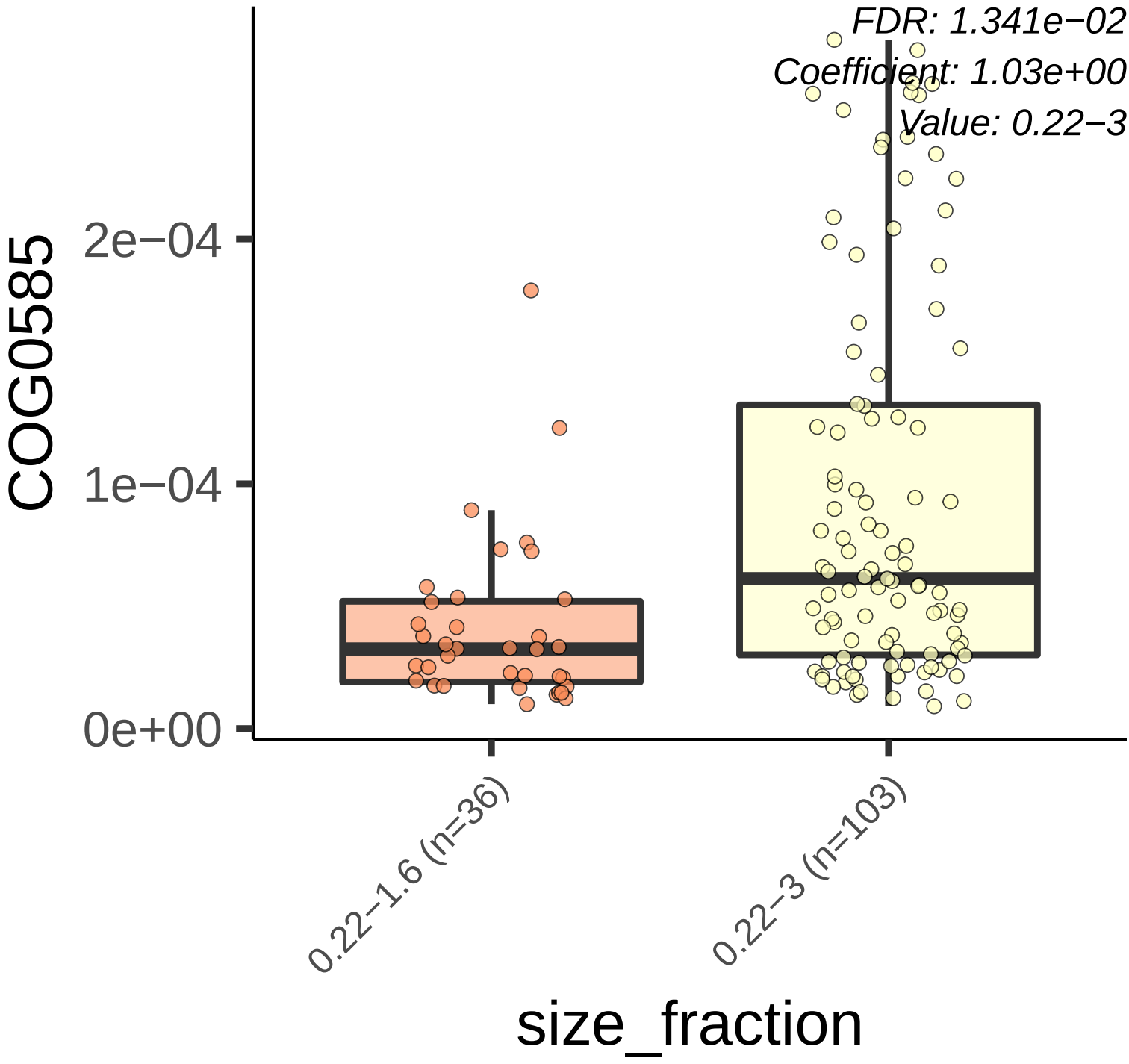

FDR: 1.305e−02
Coefficient: 2.08e+00
Value: 0.22−3
COG1867
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

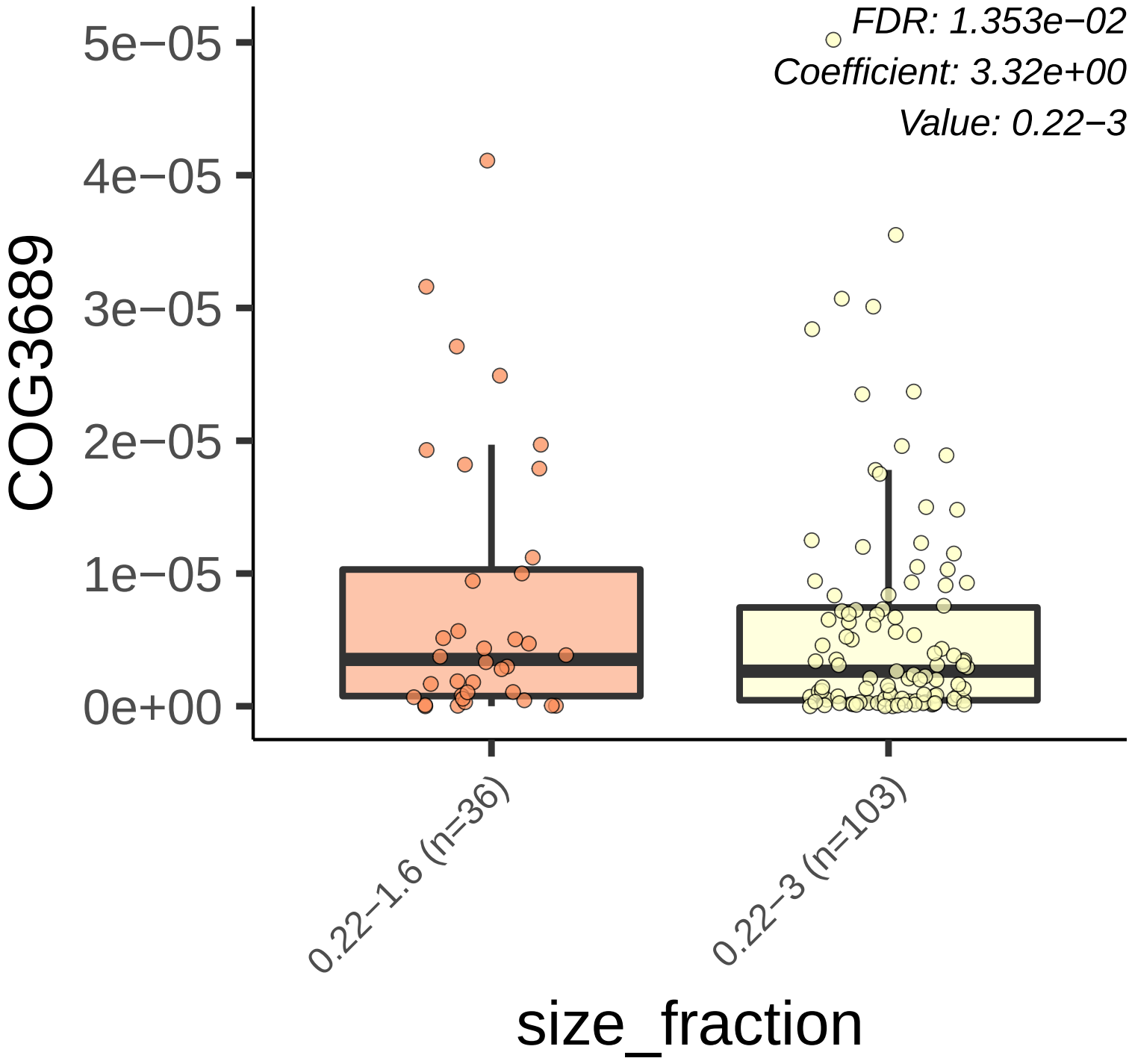

FDR: 1.306e−02
Coefficient: 5.06e−01
Value: 0.22−3
COG1670
6e−04
4e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

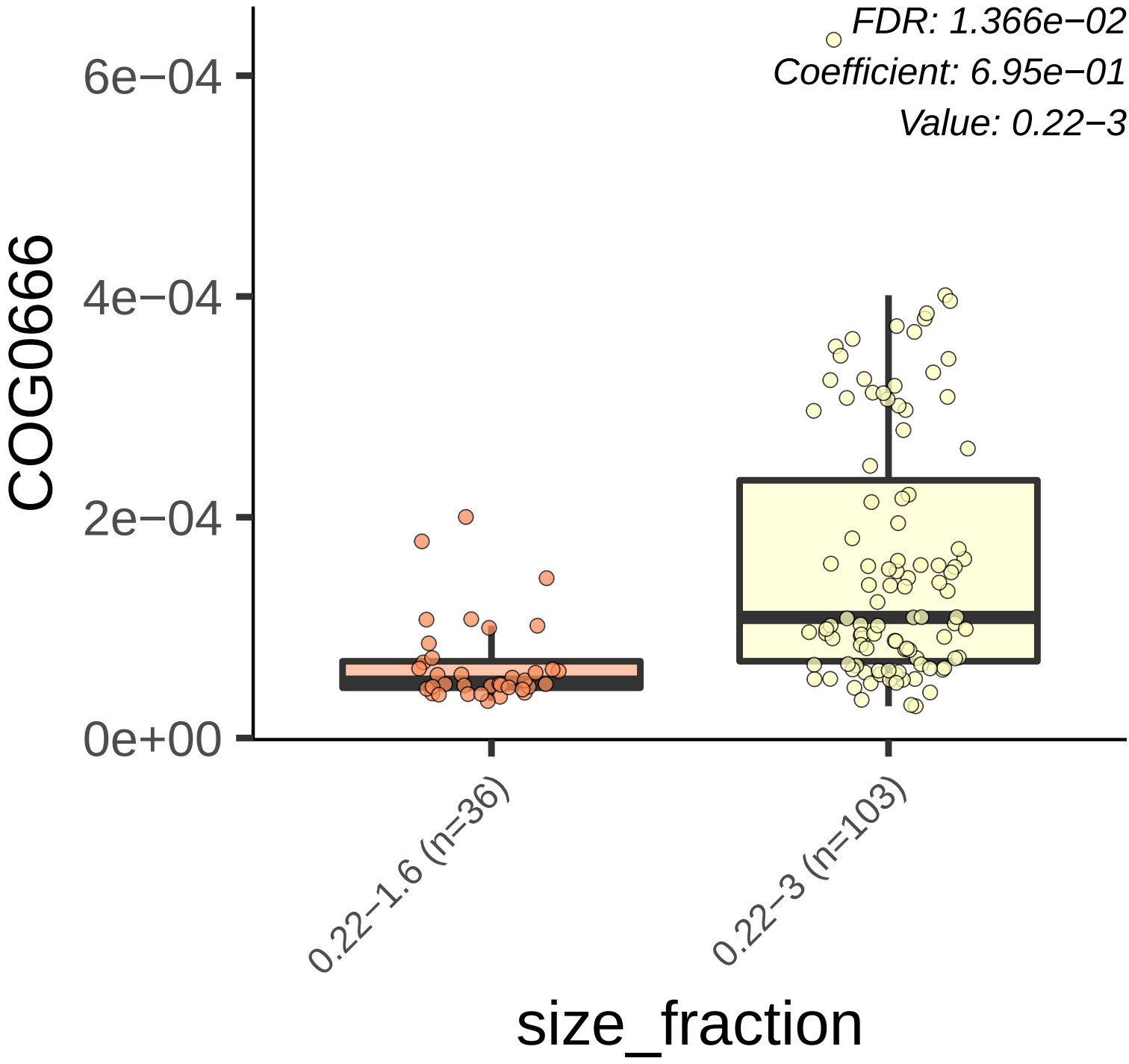

FDR: 1.327e−02
Coefficient: 4.32e+00
Value: 0.22−3
COG2106
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

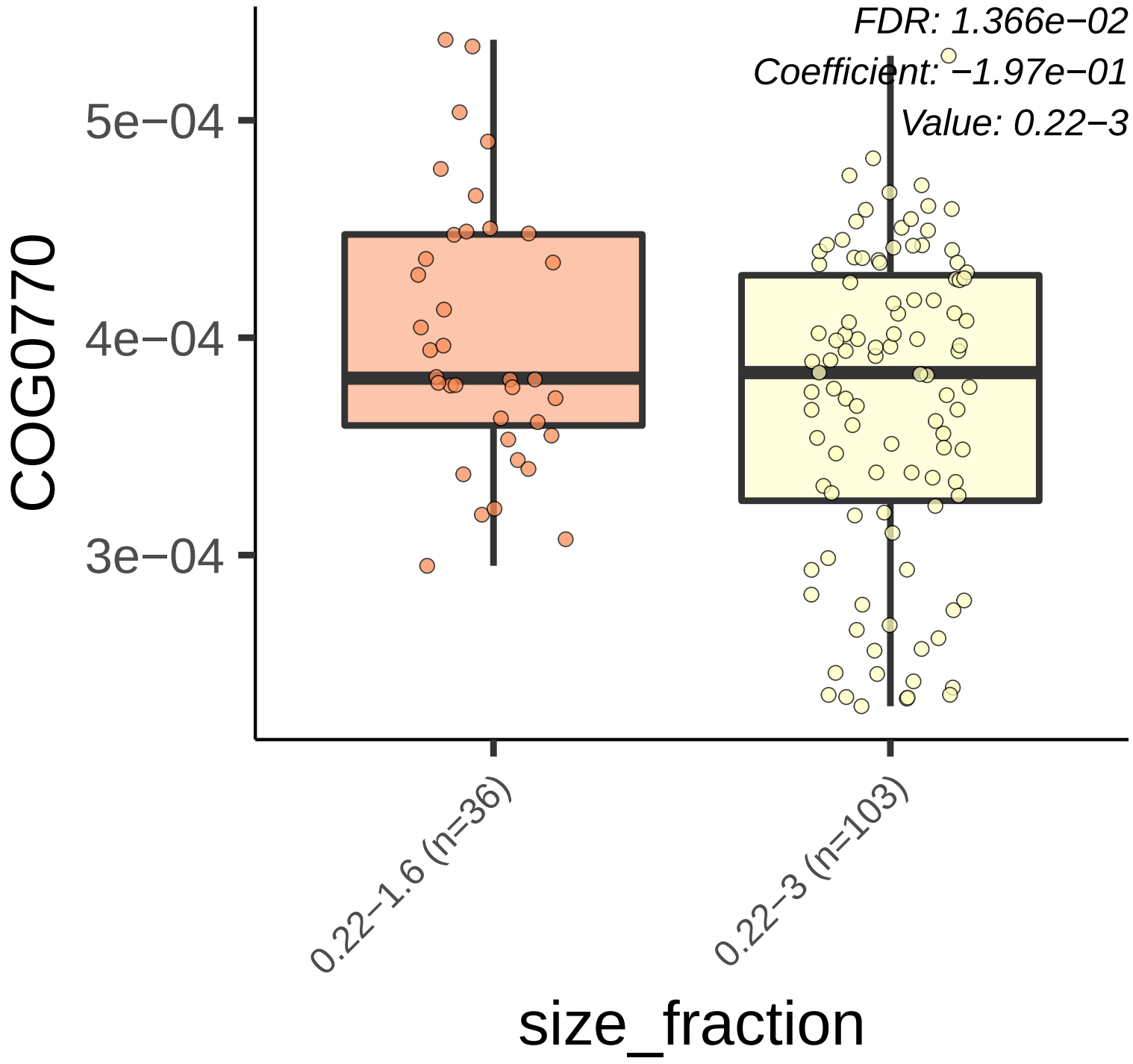

FDR: 1.334e−02
Coefficient: 5.92e−01
Value: 0.22−3
COG1704
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

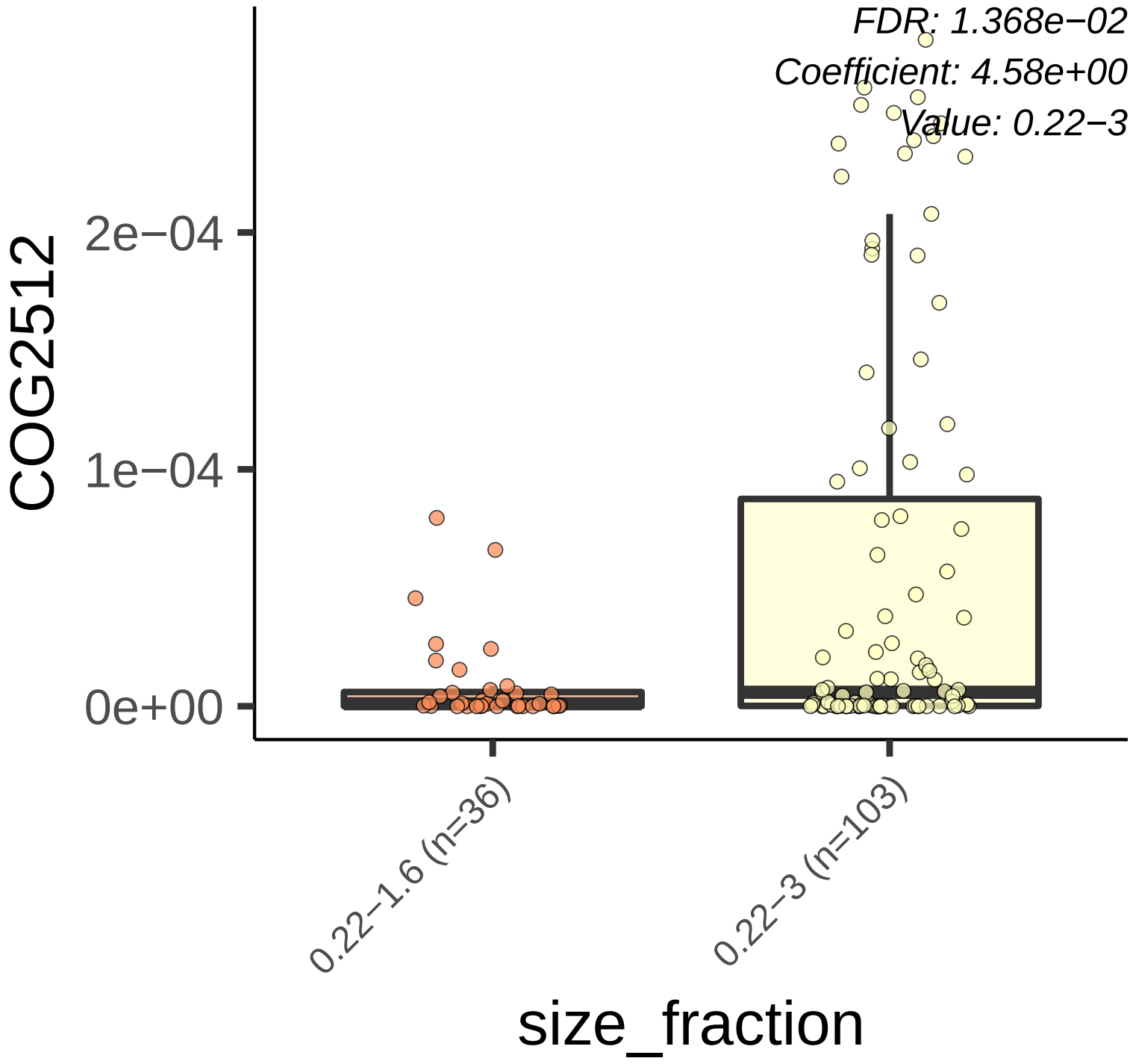

FDR: 1.337e−02
Coefficient: −2.35e+00
Value: 0.22−3
COG4767
2.0e−06
1.5e−06
1.0e−06
5.0e−07
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

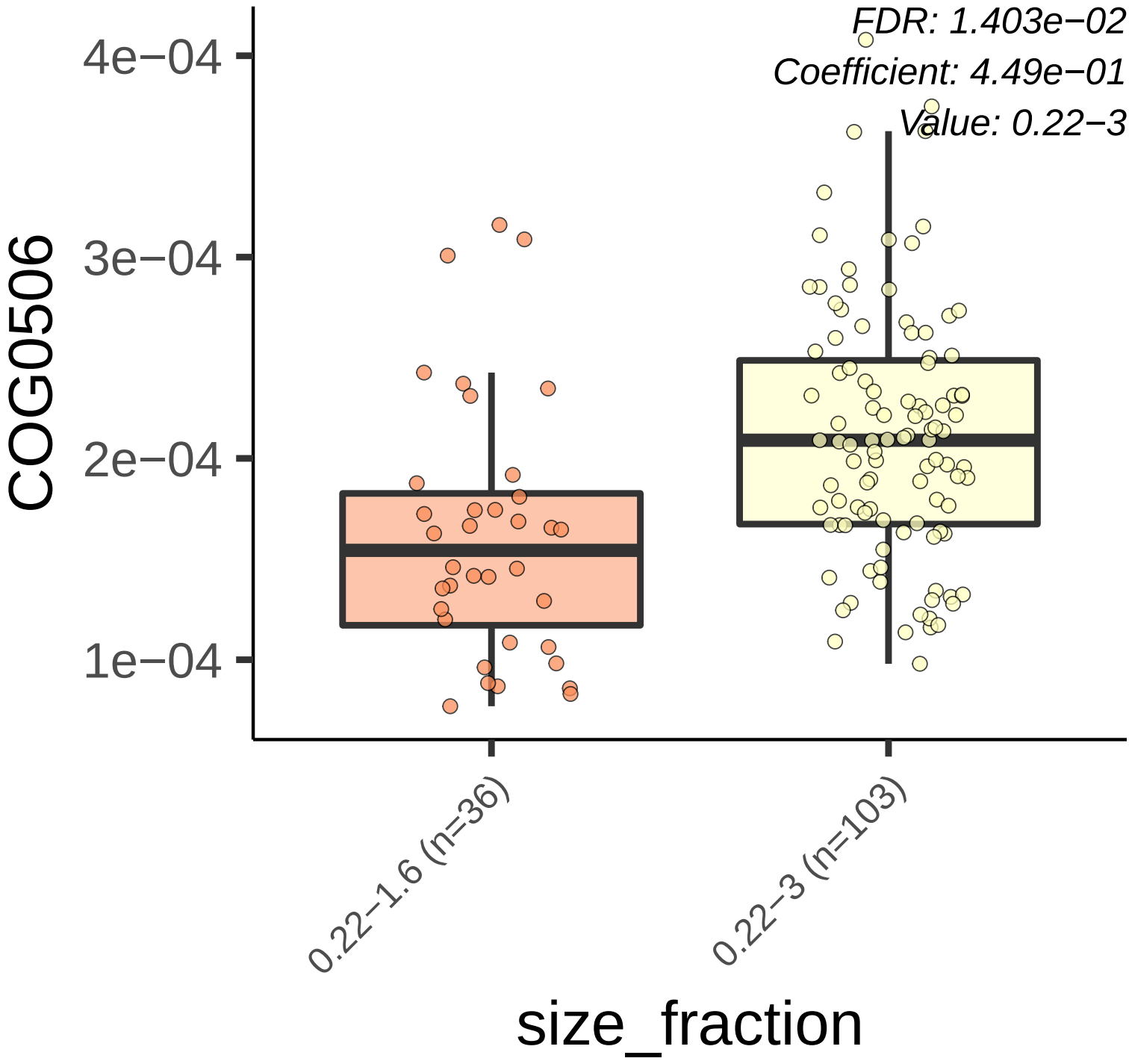

FDR: 1.341e−02
Coefficient: 1.03e+00
Value: 0.22−3
COG0585
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

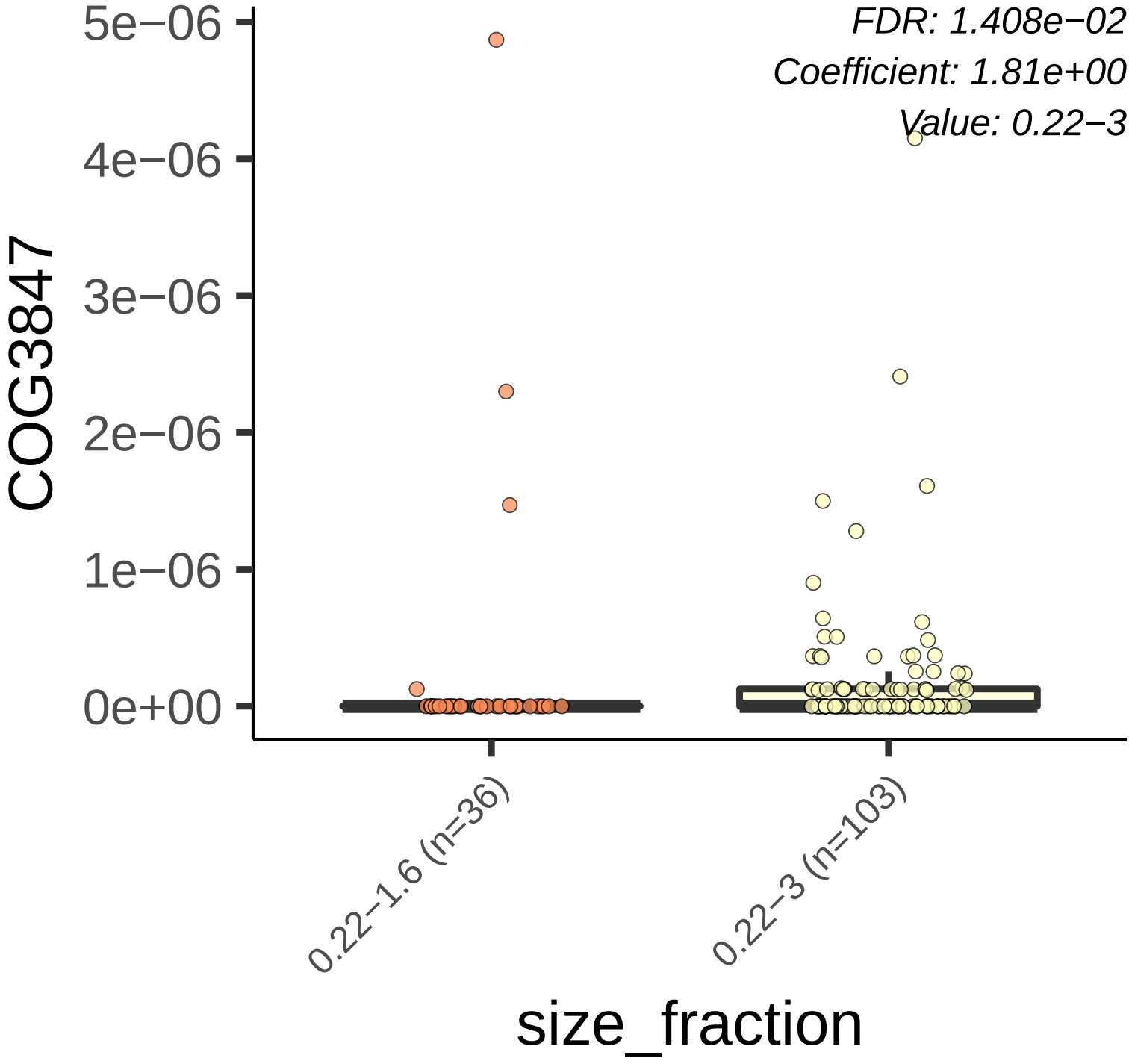

FDR: 1.353e−02
Coefficient: 3.32e+00
Value: 0.22−3
COG3689
5e−05
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

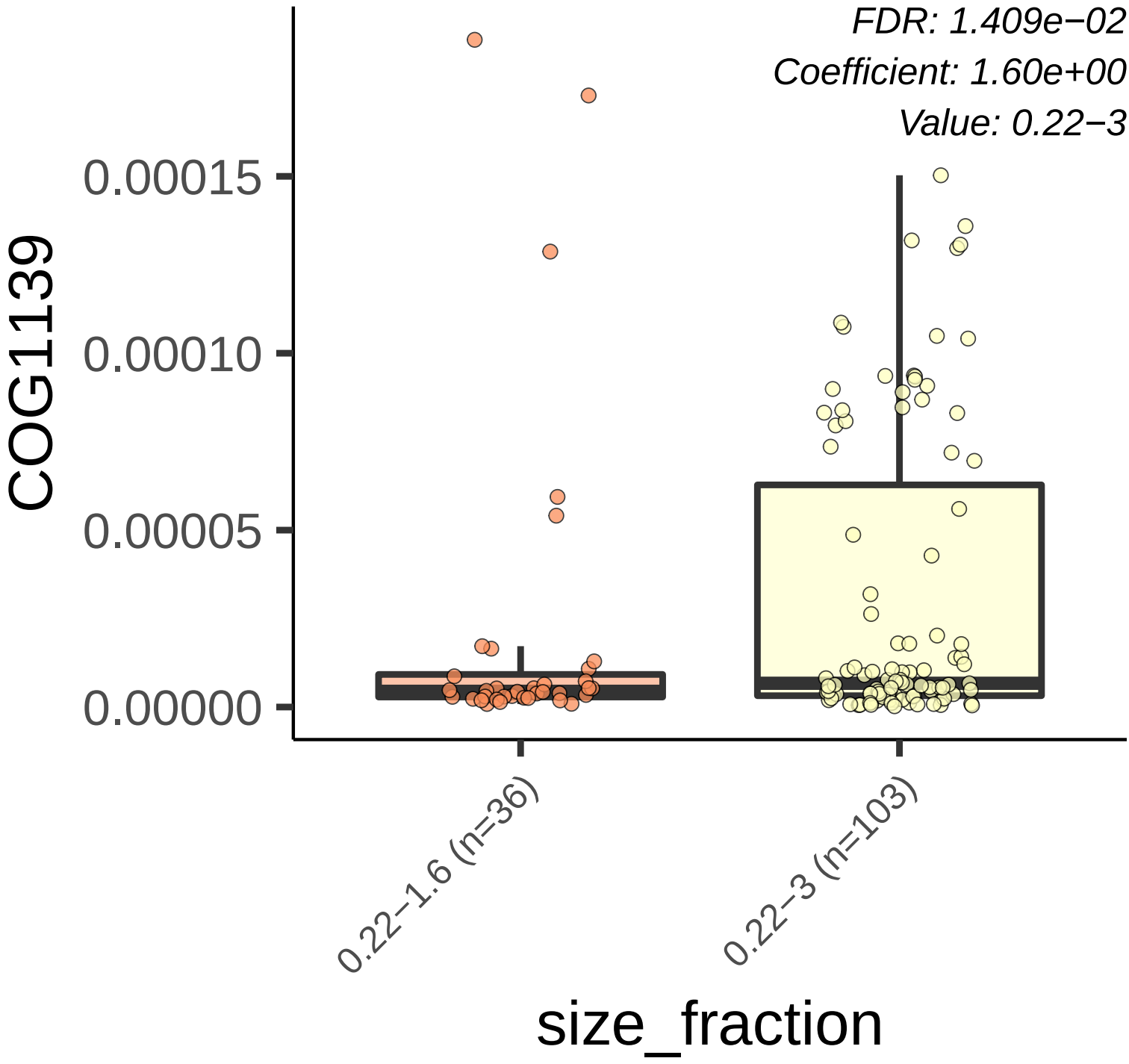

FDR: 1.366e−02
Coefficient: 6.95e−01
Value: 0.22−3
COG0666
6e−04
4e−04
2e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

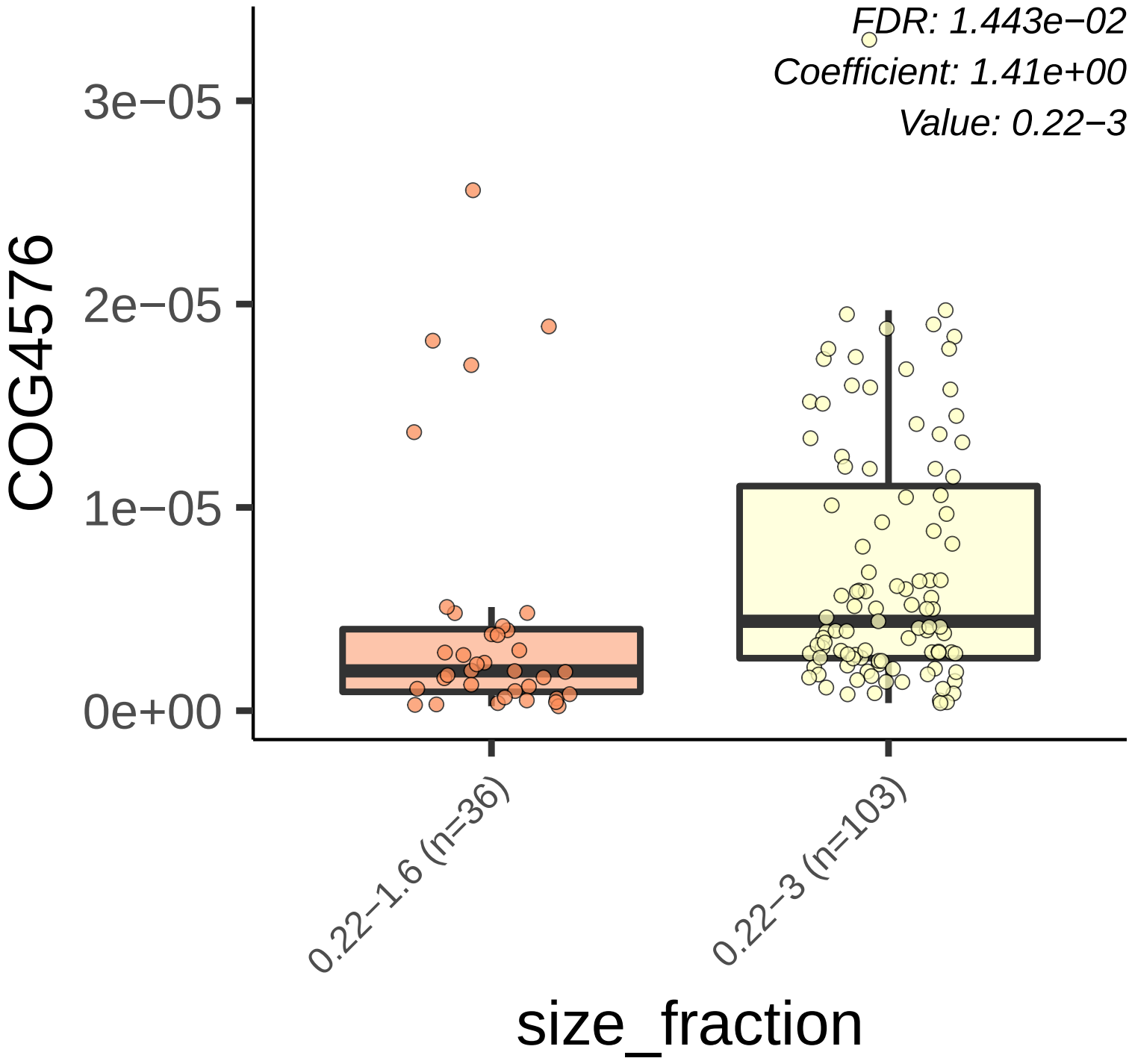

FDR: 1.366e−02
Coefficient: −1.97e−01
Value: 0.22−3
COG0770
5e−04
4e−04
3e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

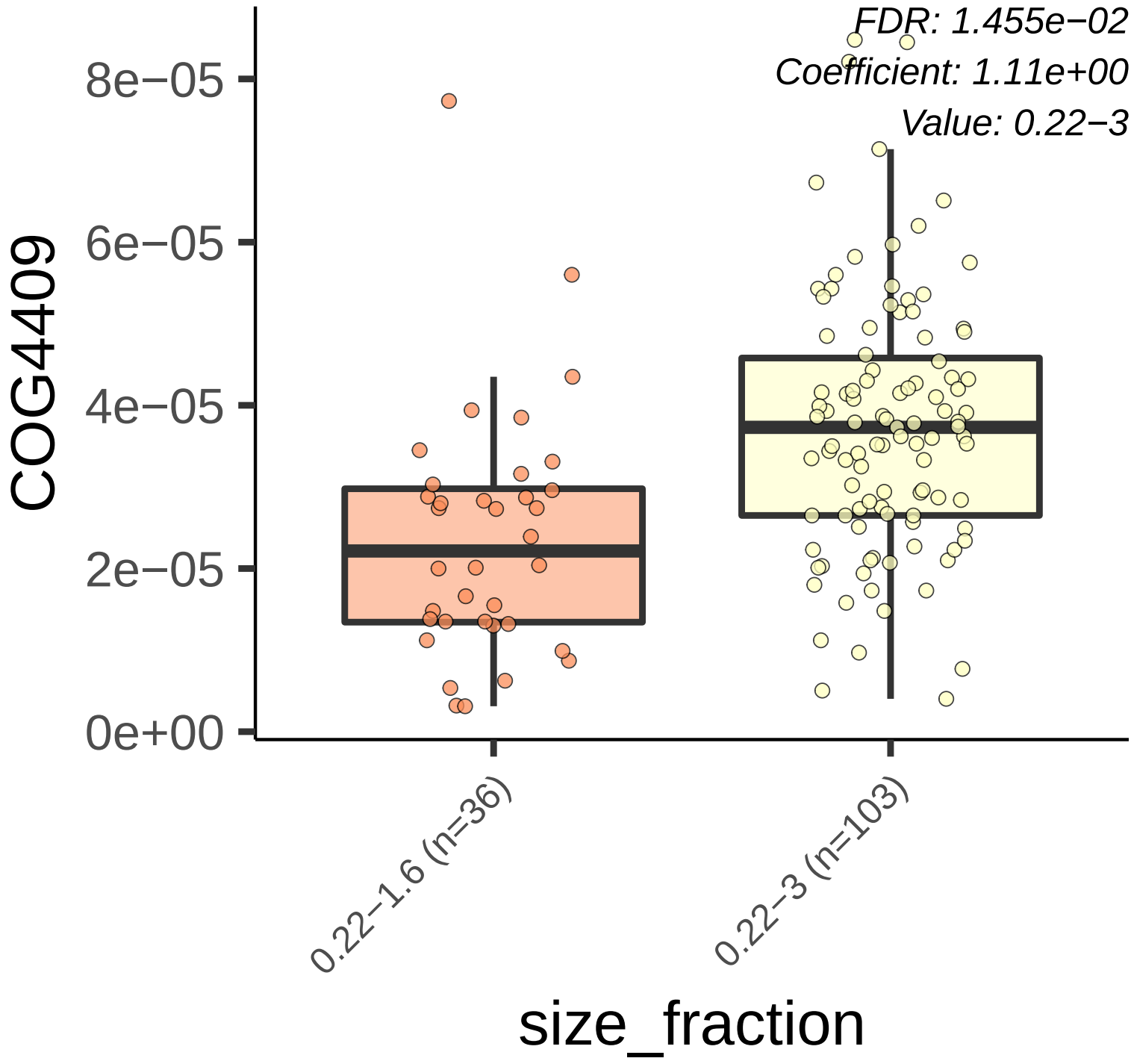

FDR: 1.368e−02
Coefficient: 4.58e+00
Value: 0.22−3
COG2512
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

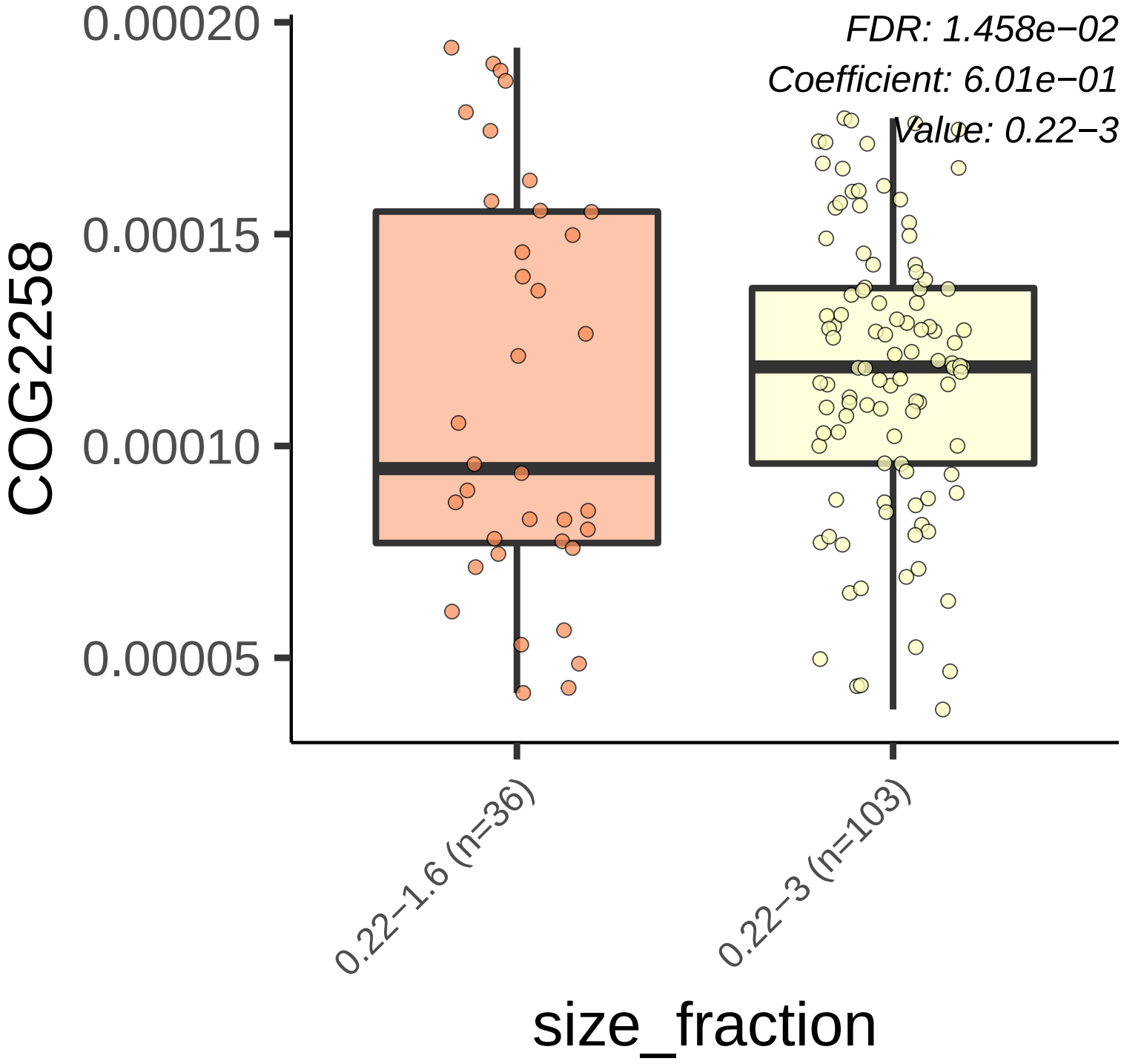

FDR: 1.403e−02
Coefficient: 4.49e−01
Value: 0.22−3
COG0506
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

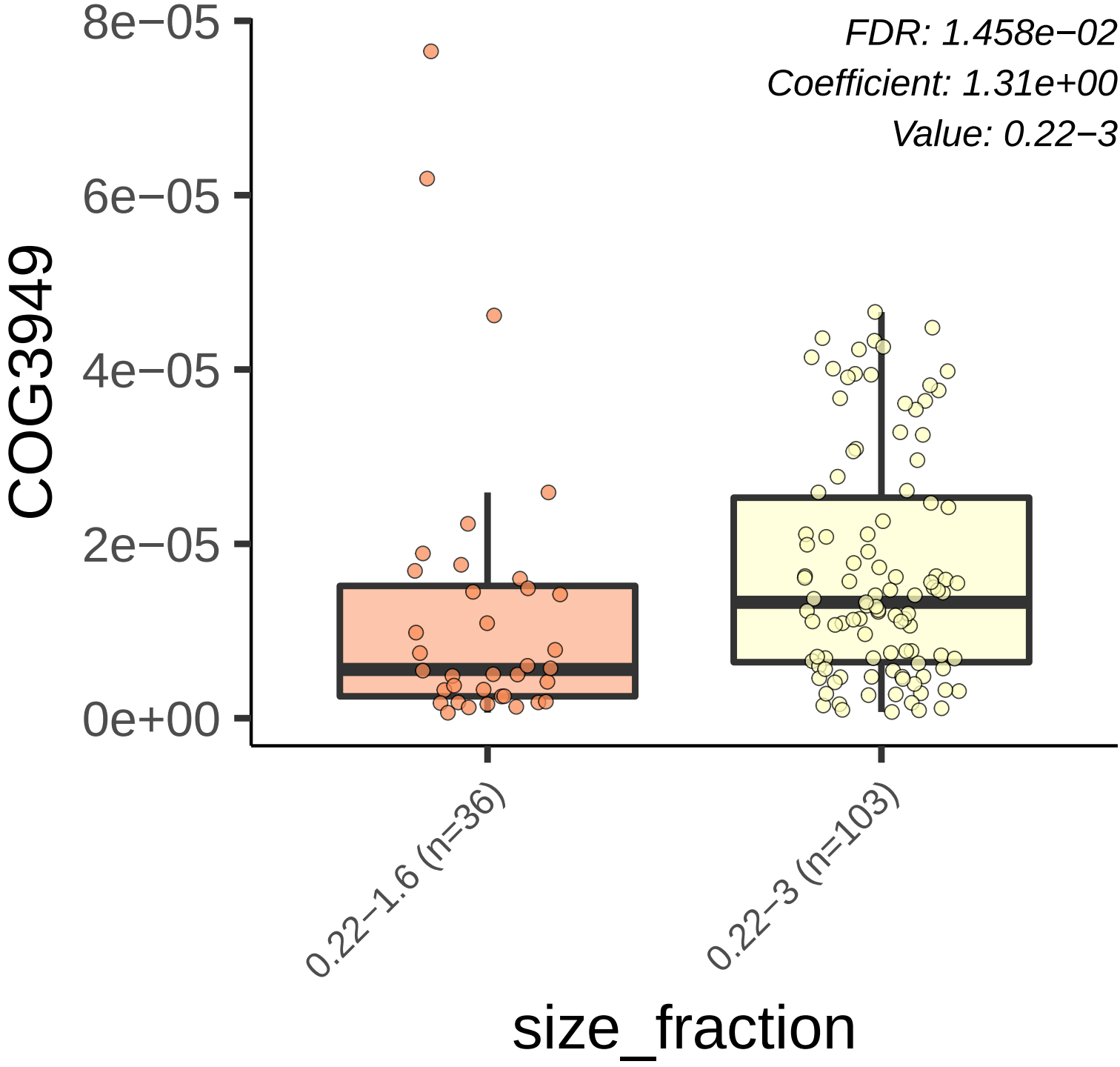

FDR: 1.408e−02
Coefficient: 1.81e+00
Value: 0.22−3
COG3847
5e−06
4e−06
3e−06
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

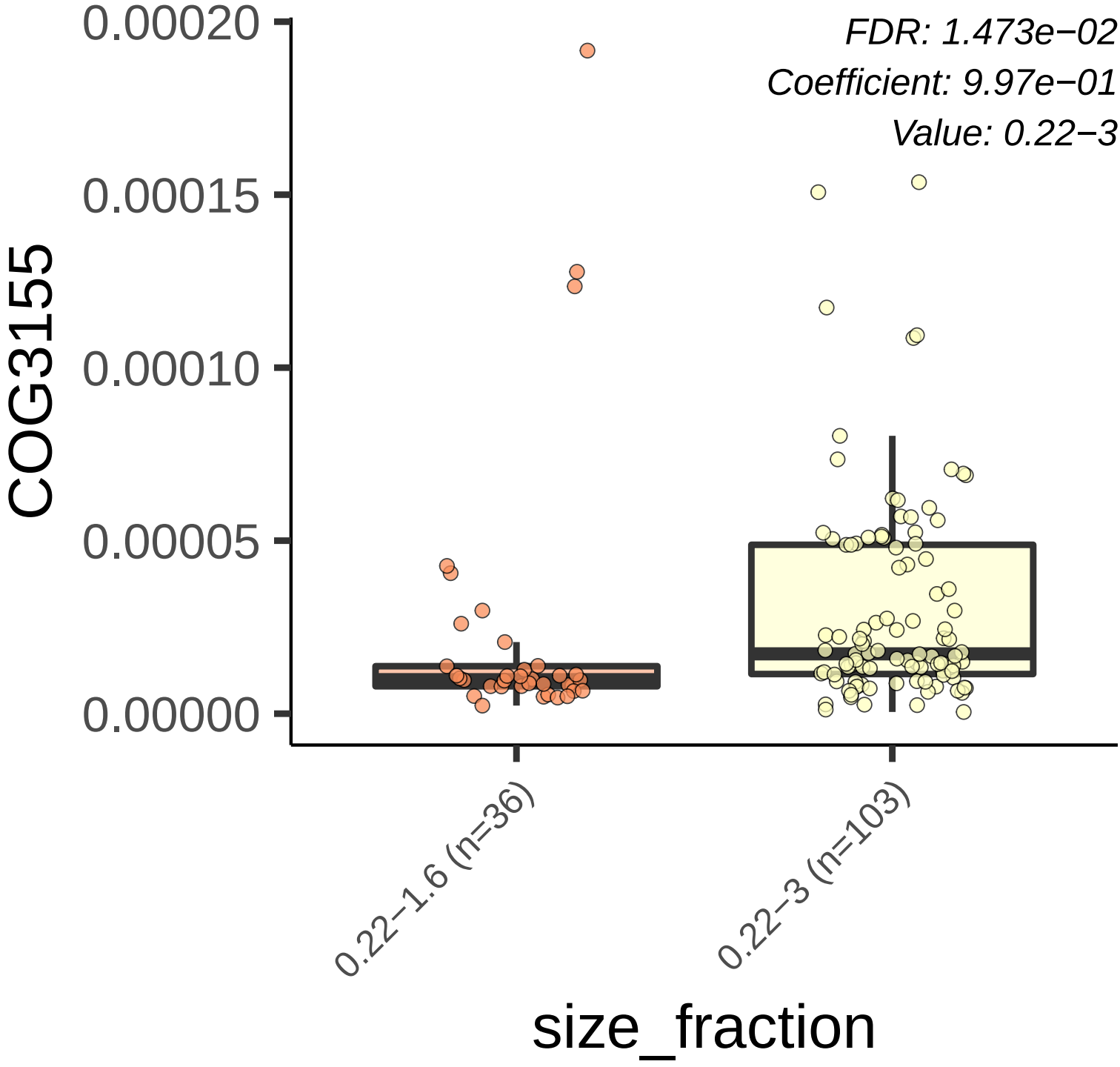

FDR: 1.409e−02
Coefficient: 1.60e+00
Value: 0.22−3
COG1139
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

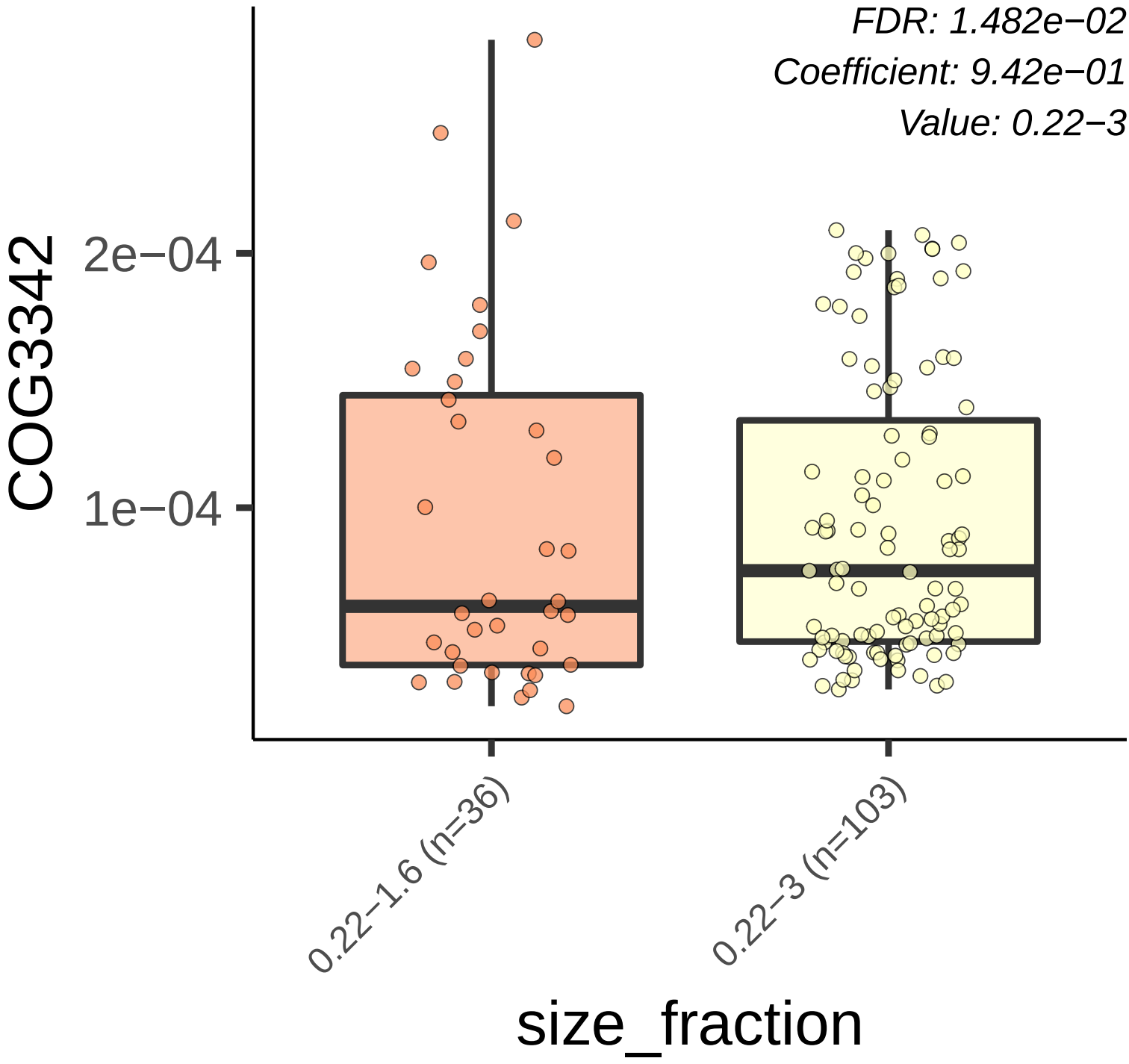

FDR: 1.443e−02
Coefficient: 1.41e+00
Value: 0.22−3
COG4576
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

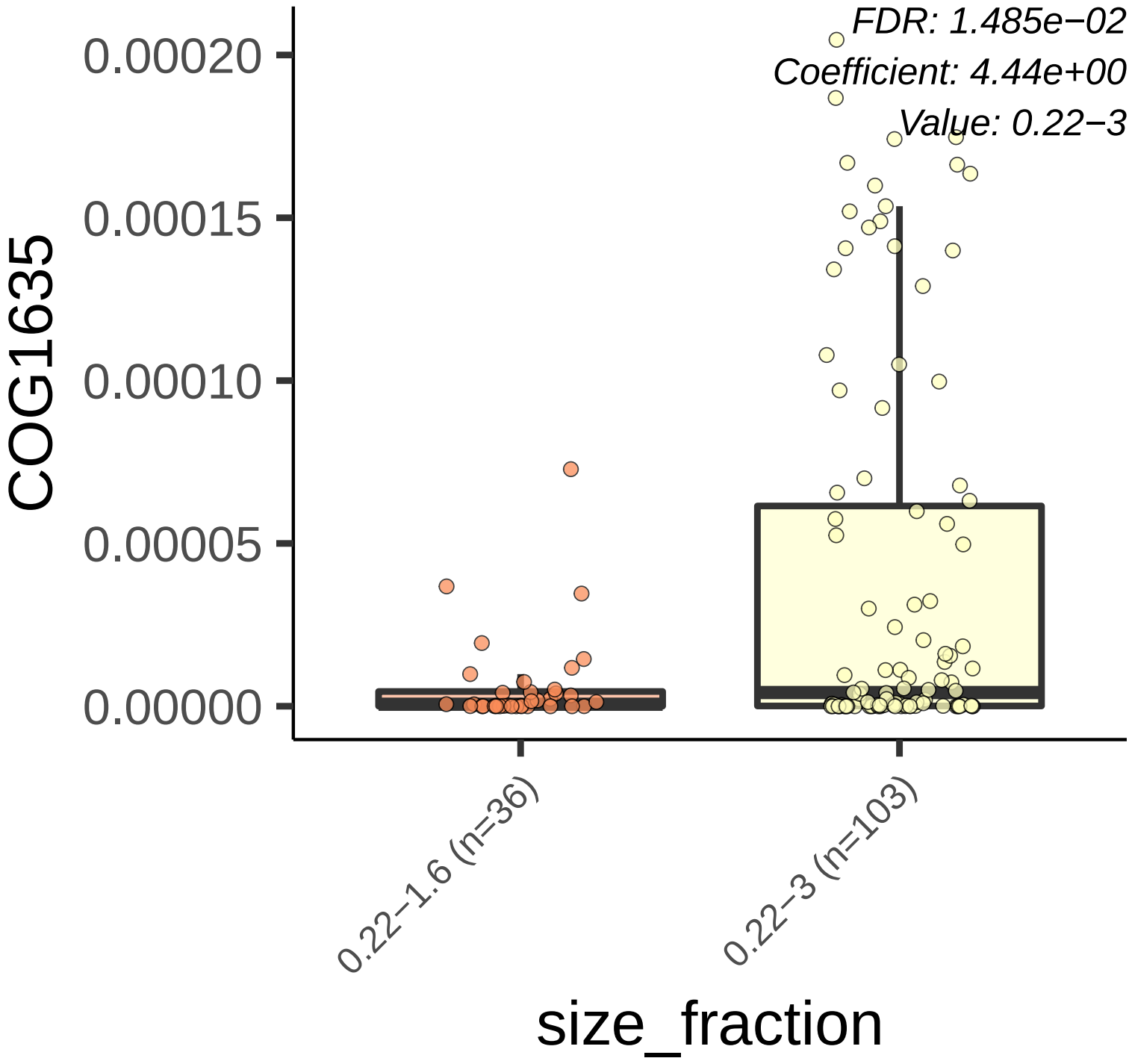

FDR: 1.455e−02
Coefficient: 1.11e+00
Value: 0.22−3
COG4409
8e−05
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

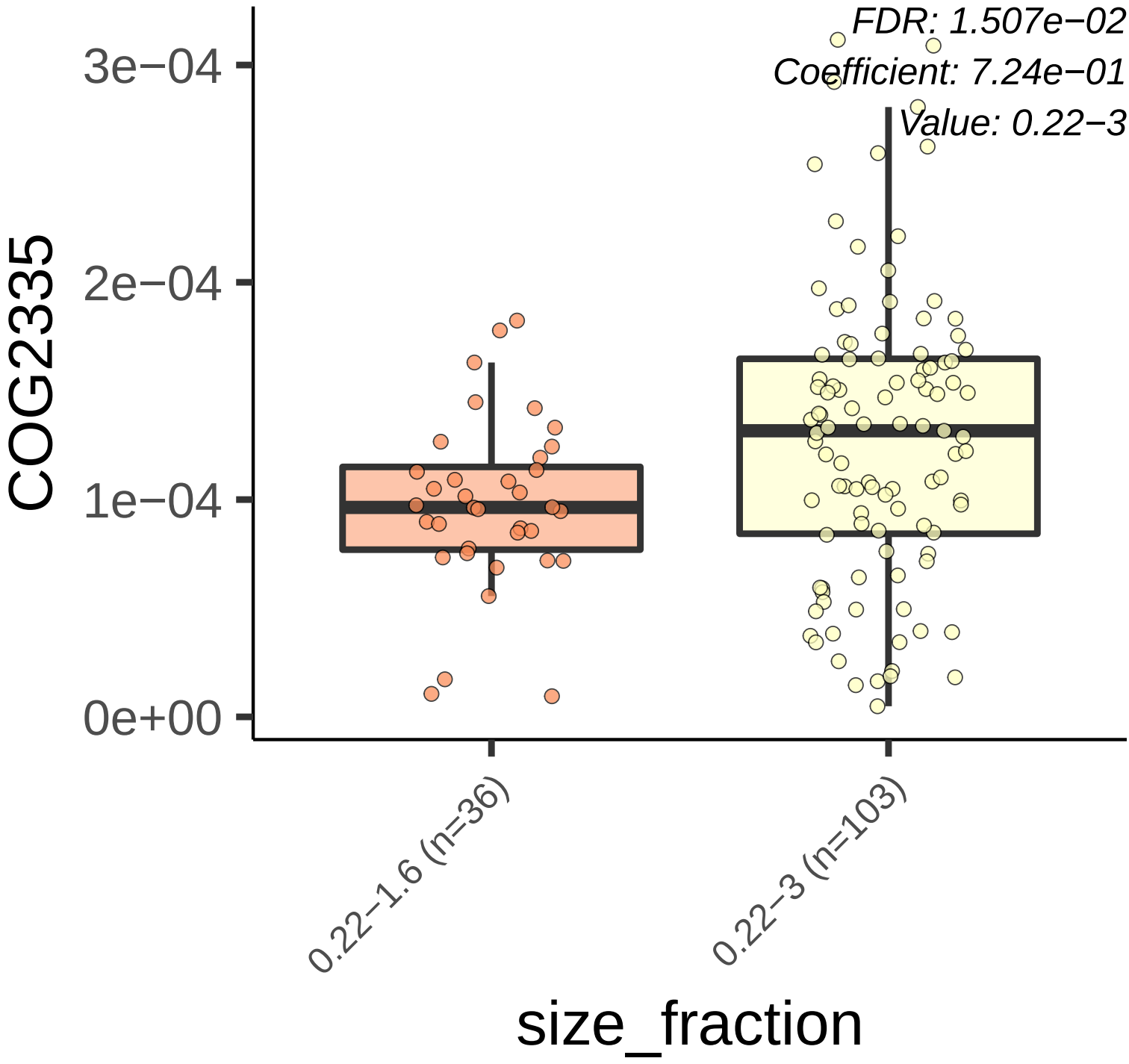

FDR: 1.458e−02
Coefficient: 6.01e−01
Value: 0.22−3
0.00020
0.00015
0.00010
0.00005
COG2258
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

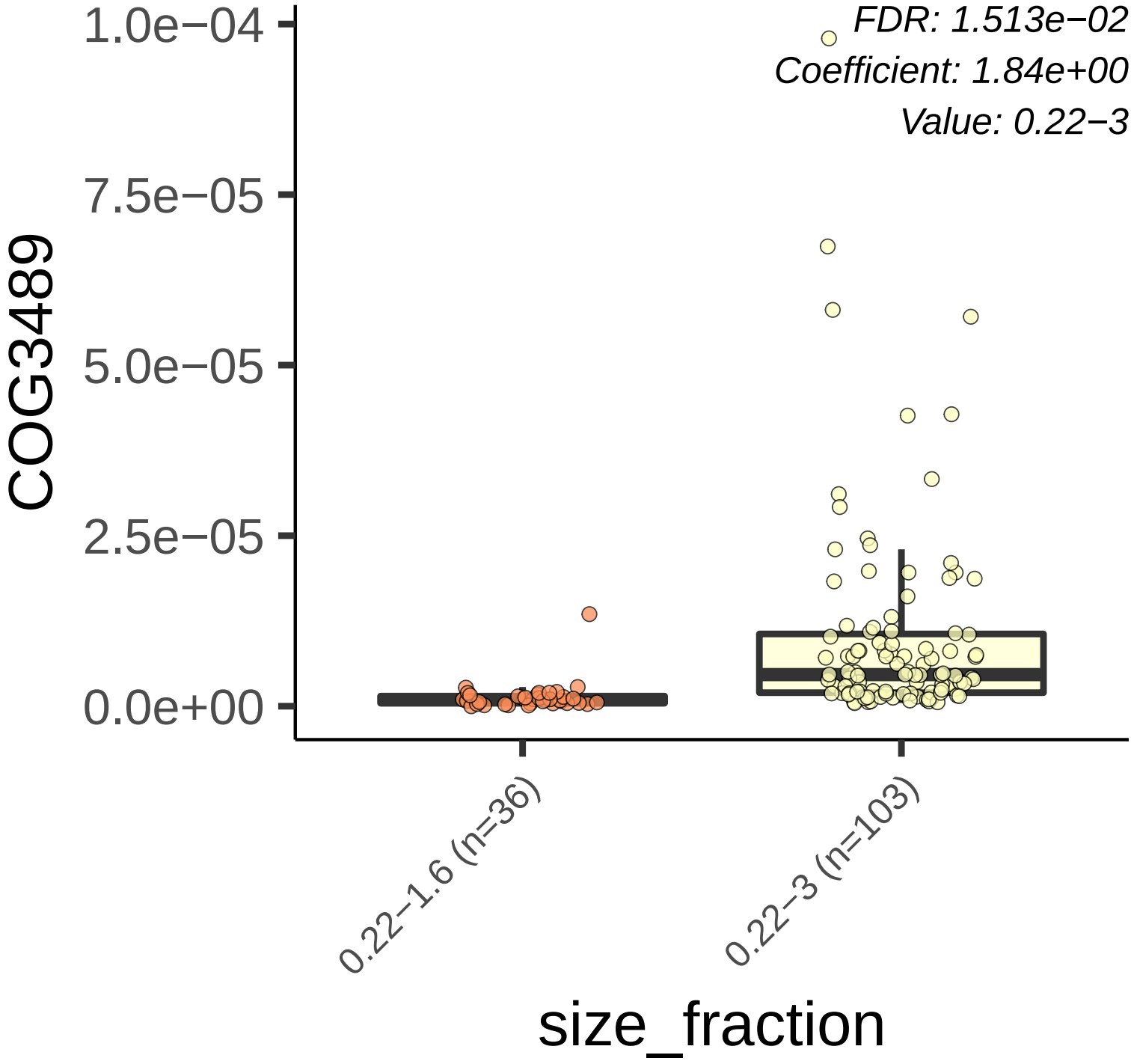

FDR: 1.458e−02
Coefficient: 1.31e+00
Value: 0.22−3
COG3949
8e−05
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

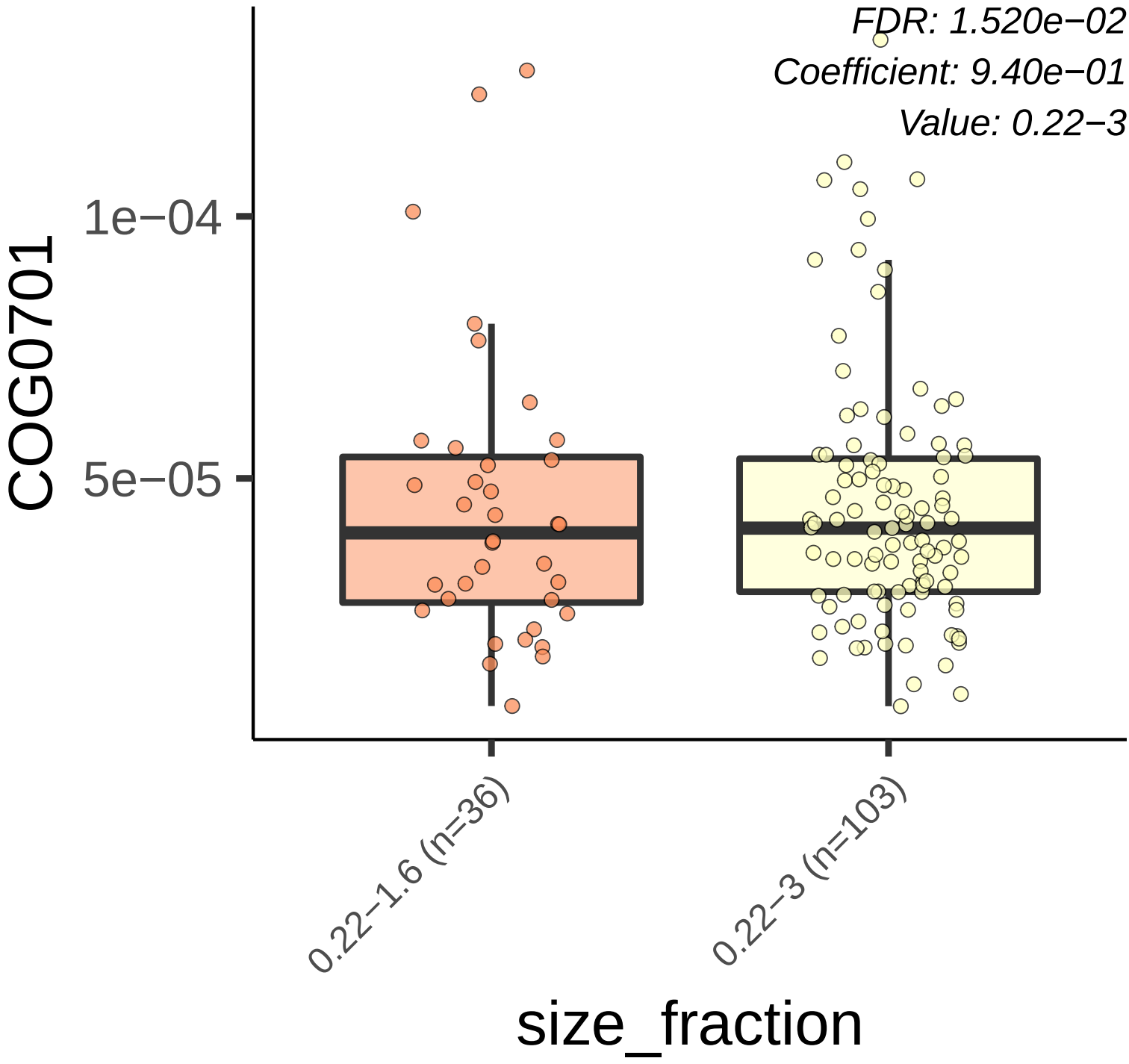

FDR: 1.473e−02
Coefficient: 9.97e−01
Value: 0.22−3
COG3155
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

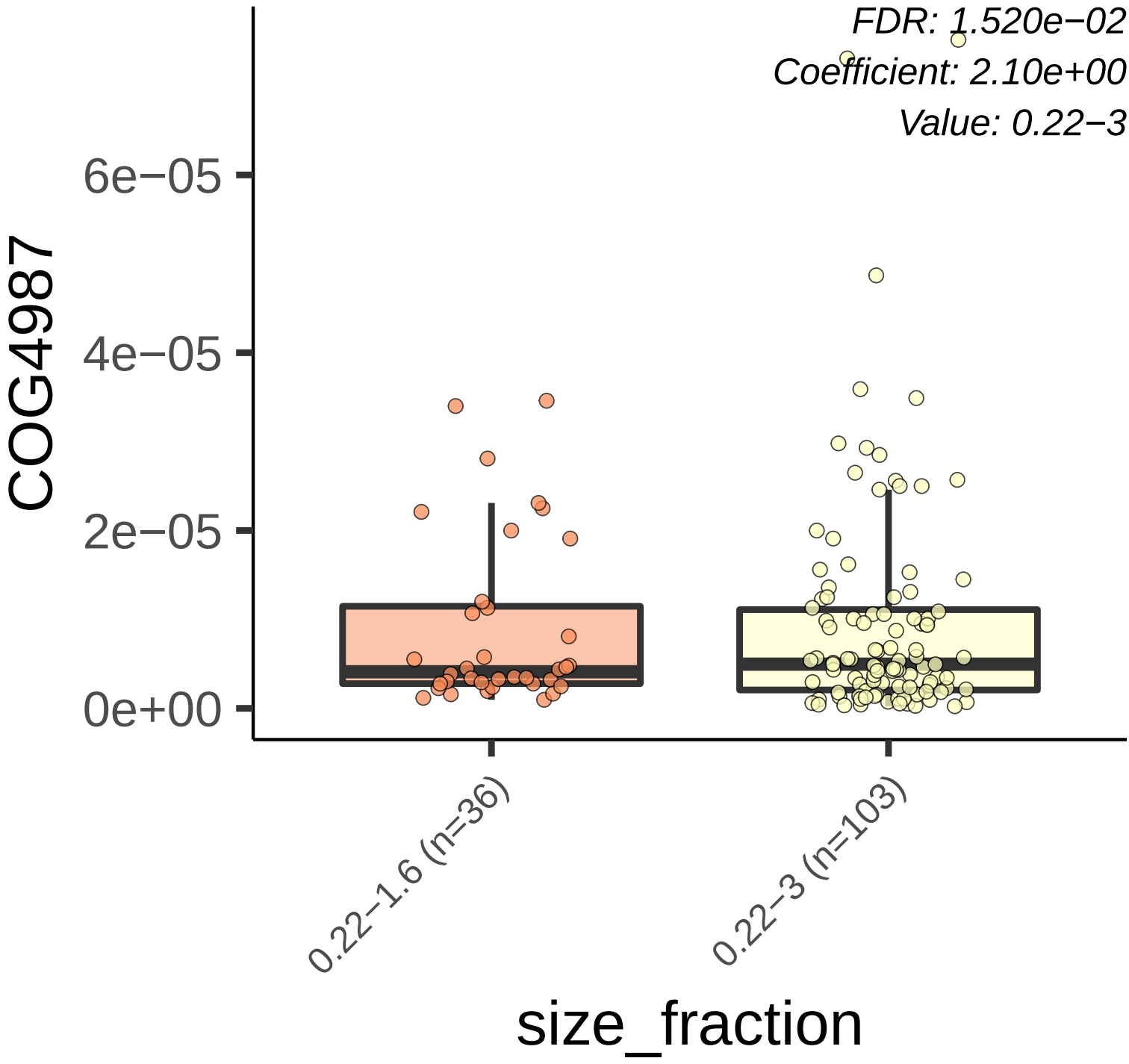

FDR: 1.482e−02
Coefficient: 9.42e−01
Value: 0.22−3
COG3342
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

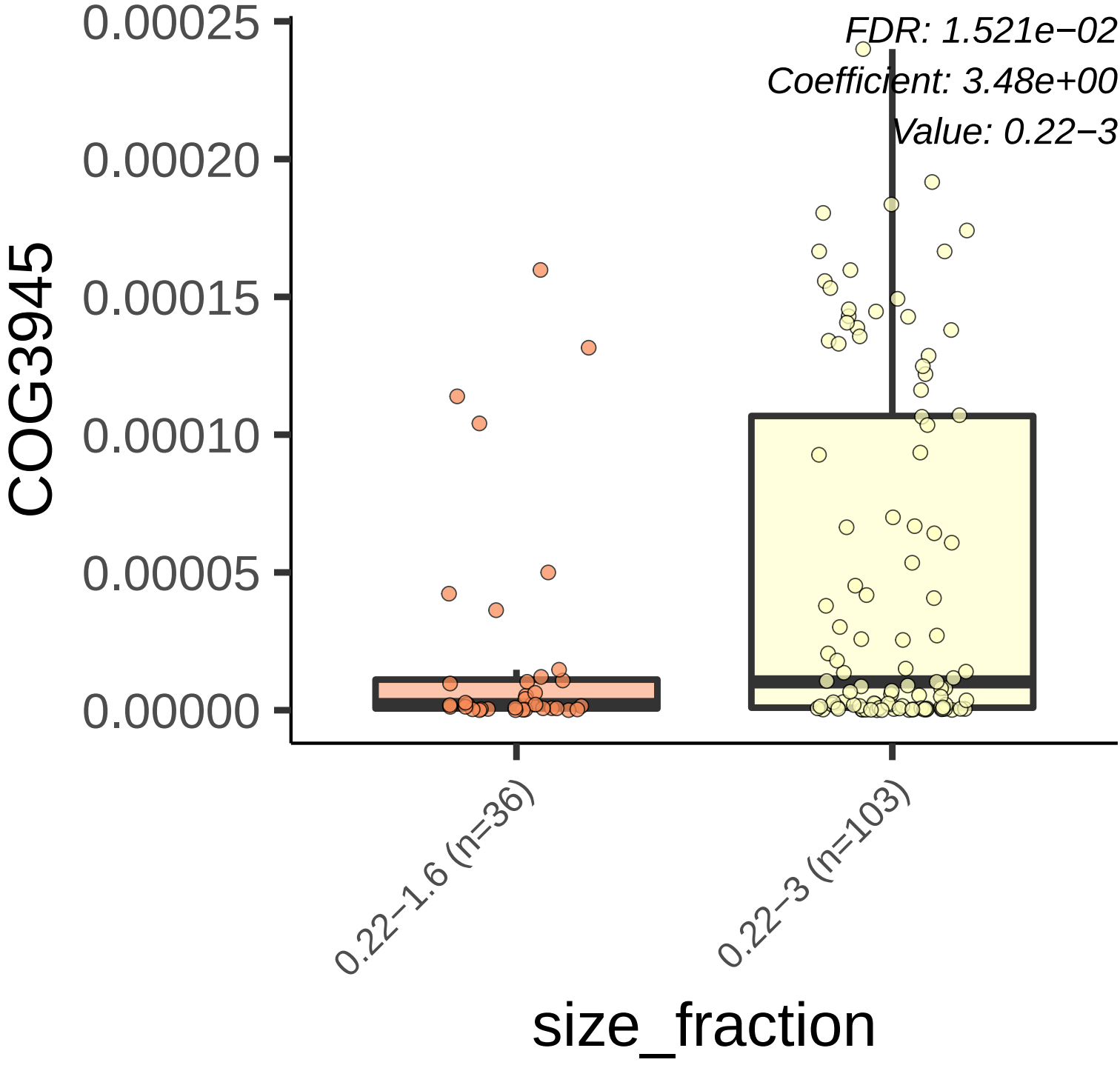

FDR: 1.485e−02
Coefficient: 4.44e+00
Value: 0.22−3
COG1635
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

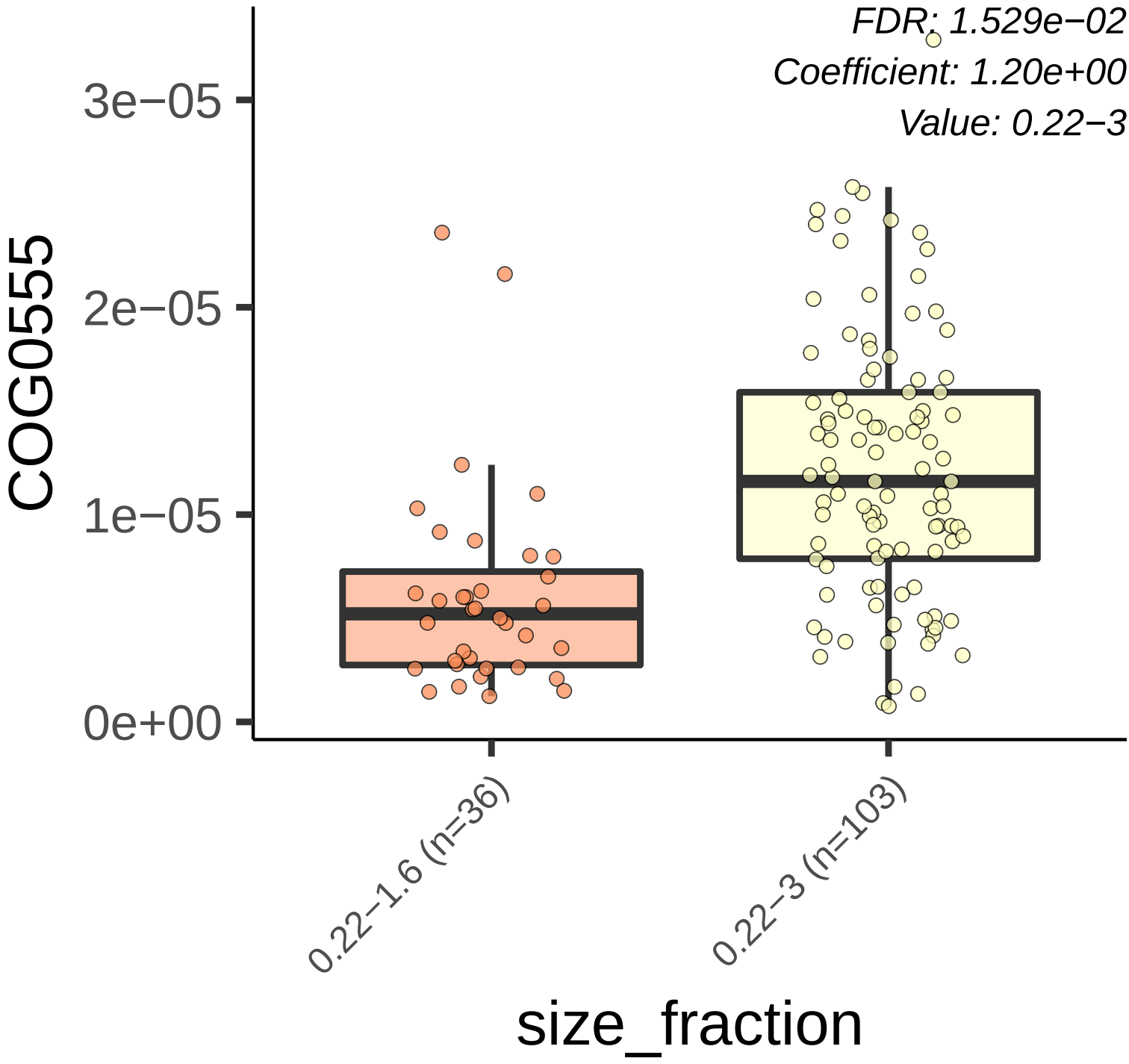

FDR: 1.507e−02
Coefficient: 7.24e−01
Value: 0.22−3
COG2335
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

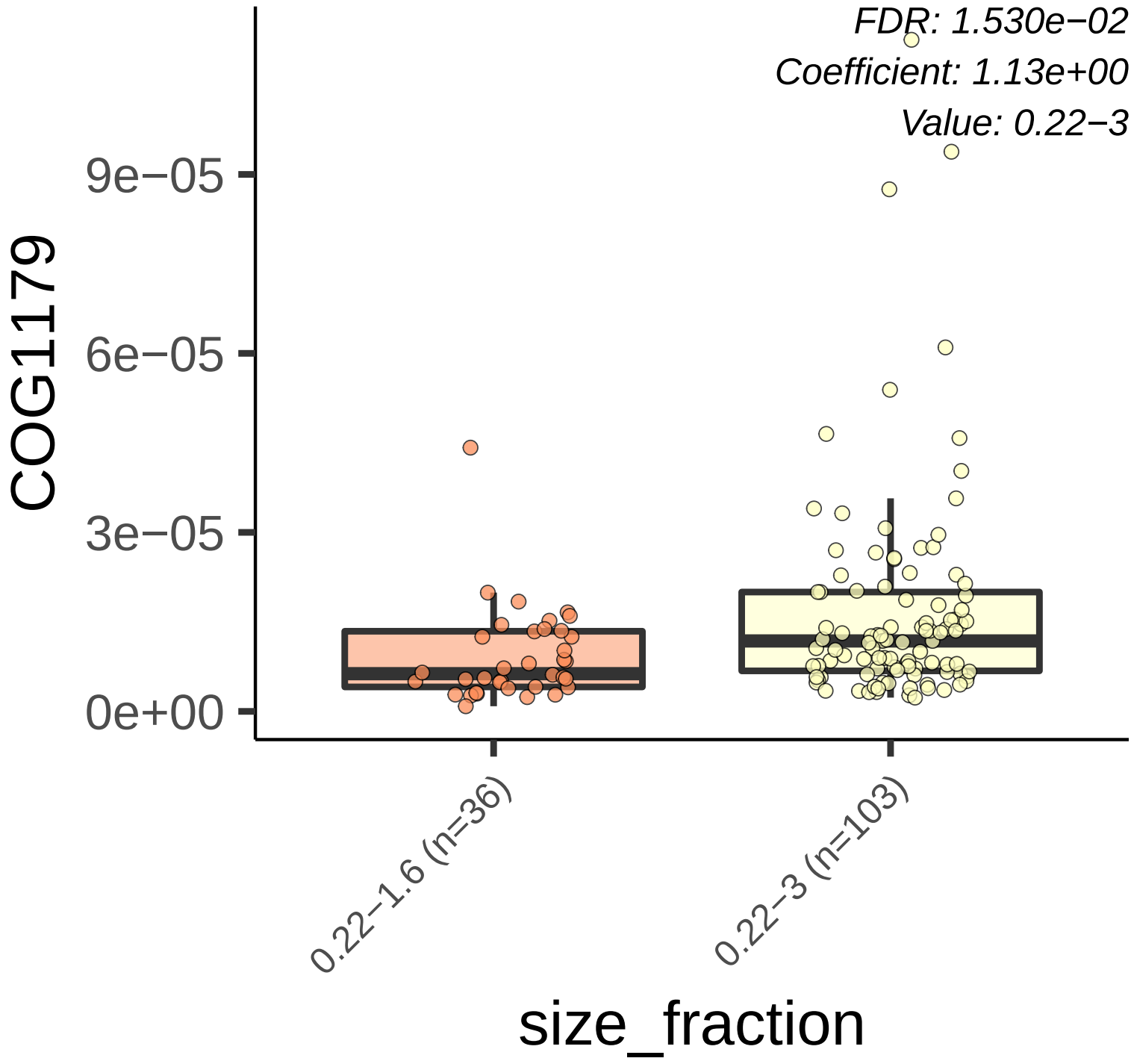

FDR: 1.513e−02
Coefficient: 1.84e+00
Value: 0.22−3
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG3489
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

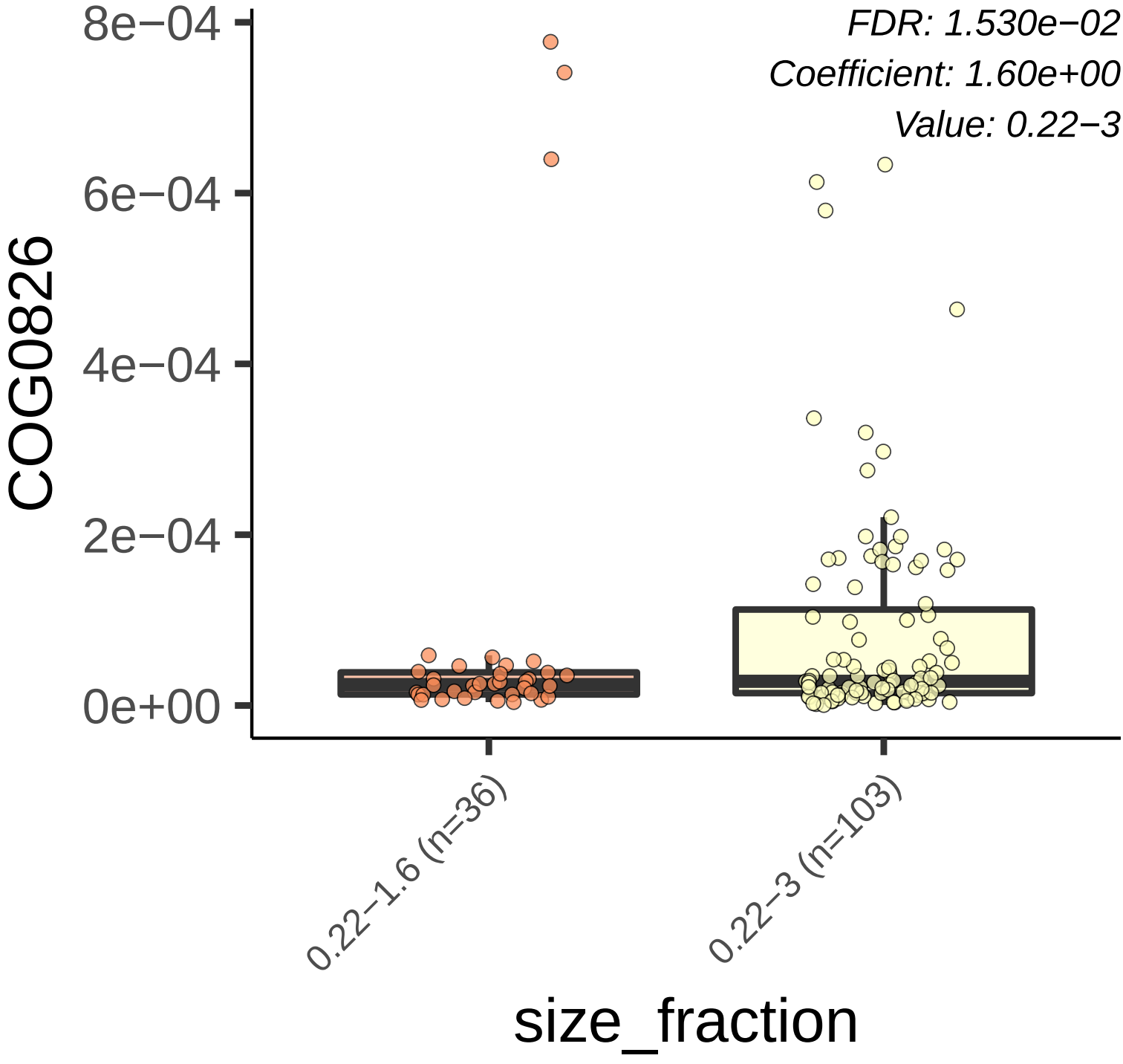

FDR: 1.520e−02
Coefficient: 9.40e−01
Value: 0.22−3
COG0701
1e−04
5e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

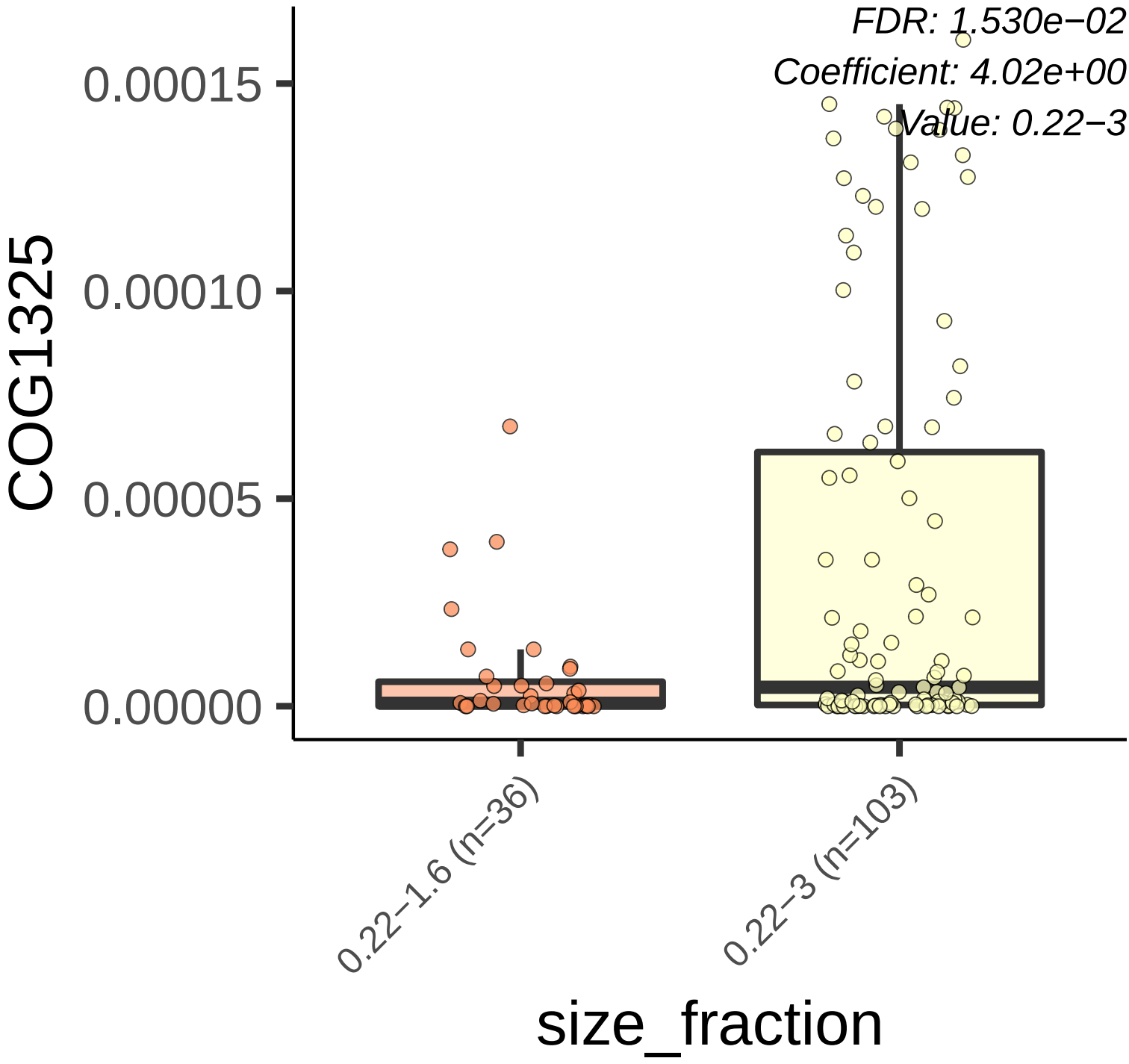

FDR: 1.520e−02
Coefficient: 2.10e+00
Value: 0.22−3
COG4987
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

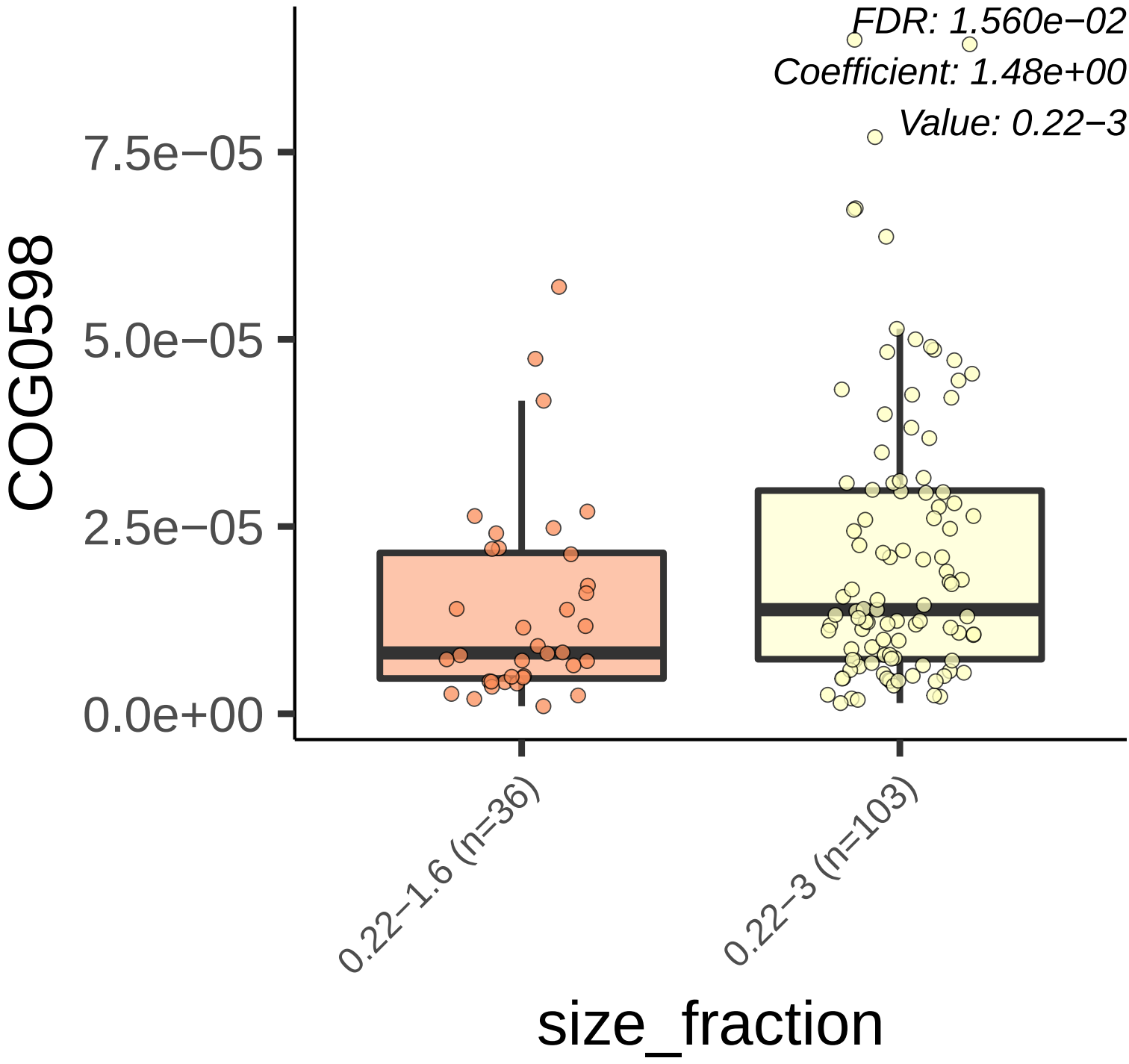

FDR: 1.521e−02
Coefficient: 3.48e+00
Value: 0.22−3
COG3945
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

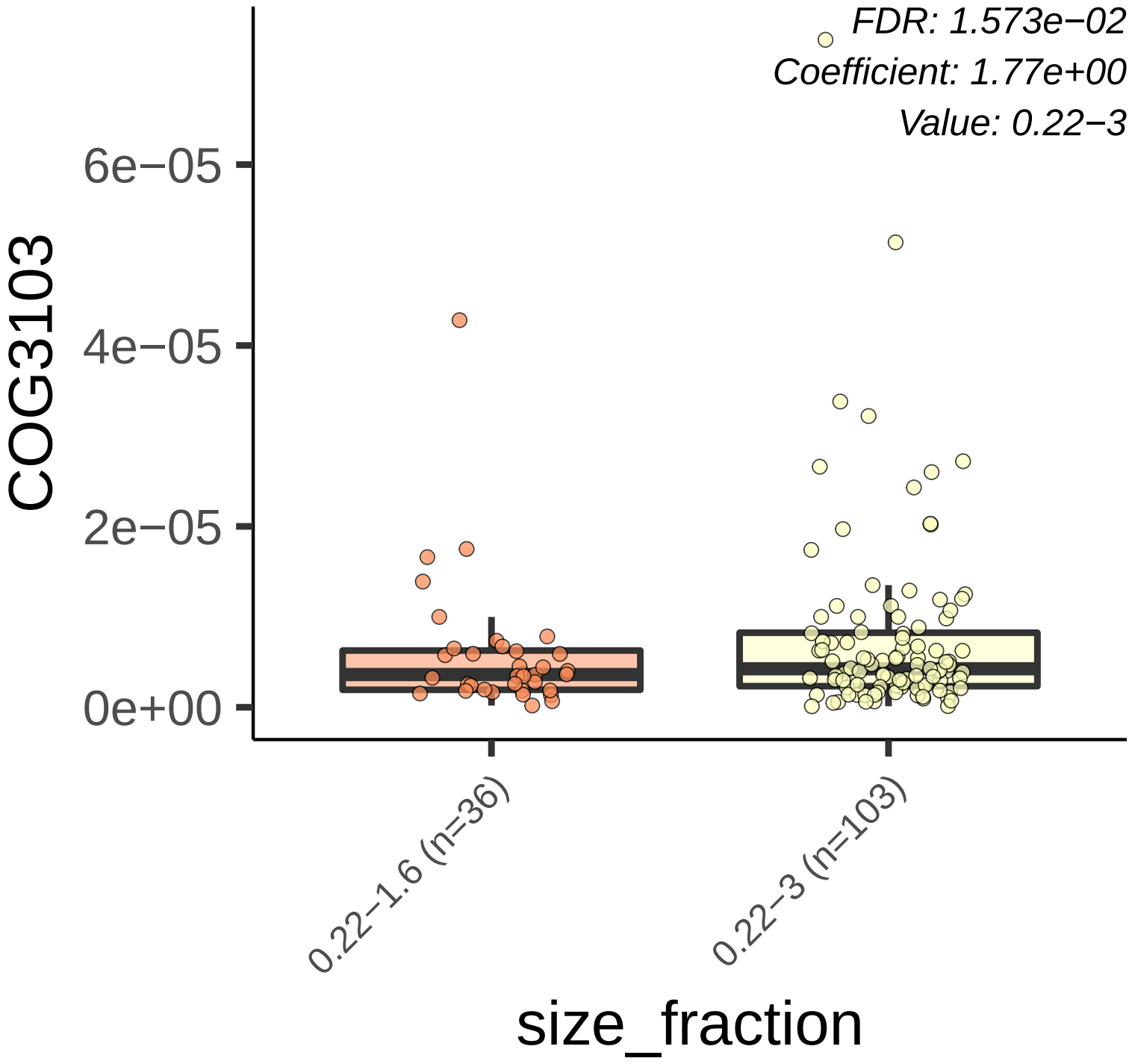

FDR: 1.529e−02
Coefficient: 1.20e+00
Value: 0.22−3
COG0555
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

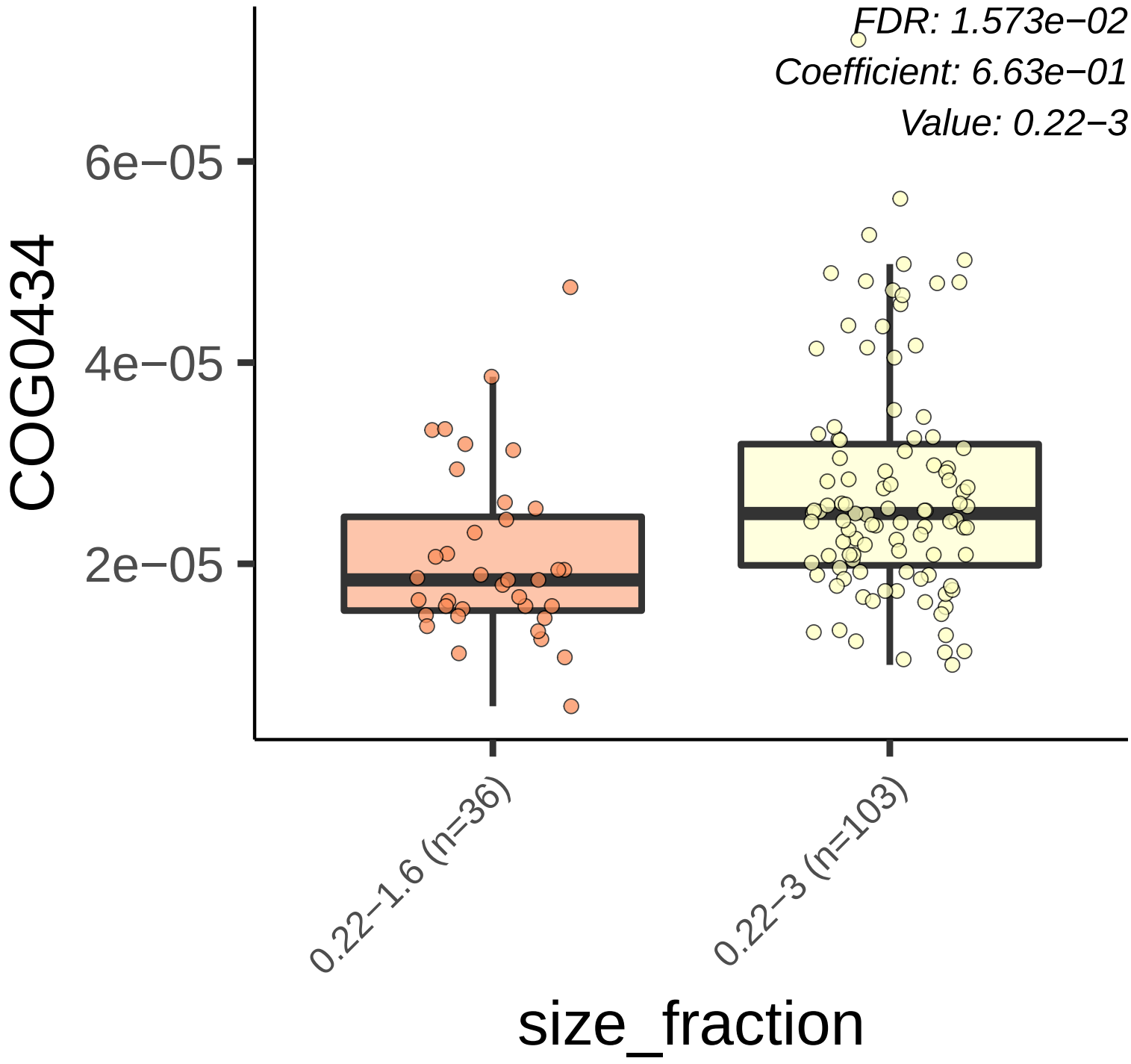

FDR: 1.530e−02
Coefficient: 1.13e+00
Value: 0.22−3
COG1179
9e−05
6e−05
3e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

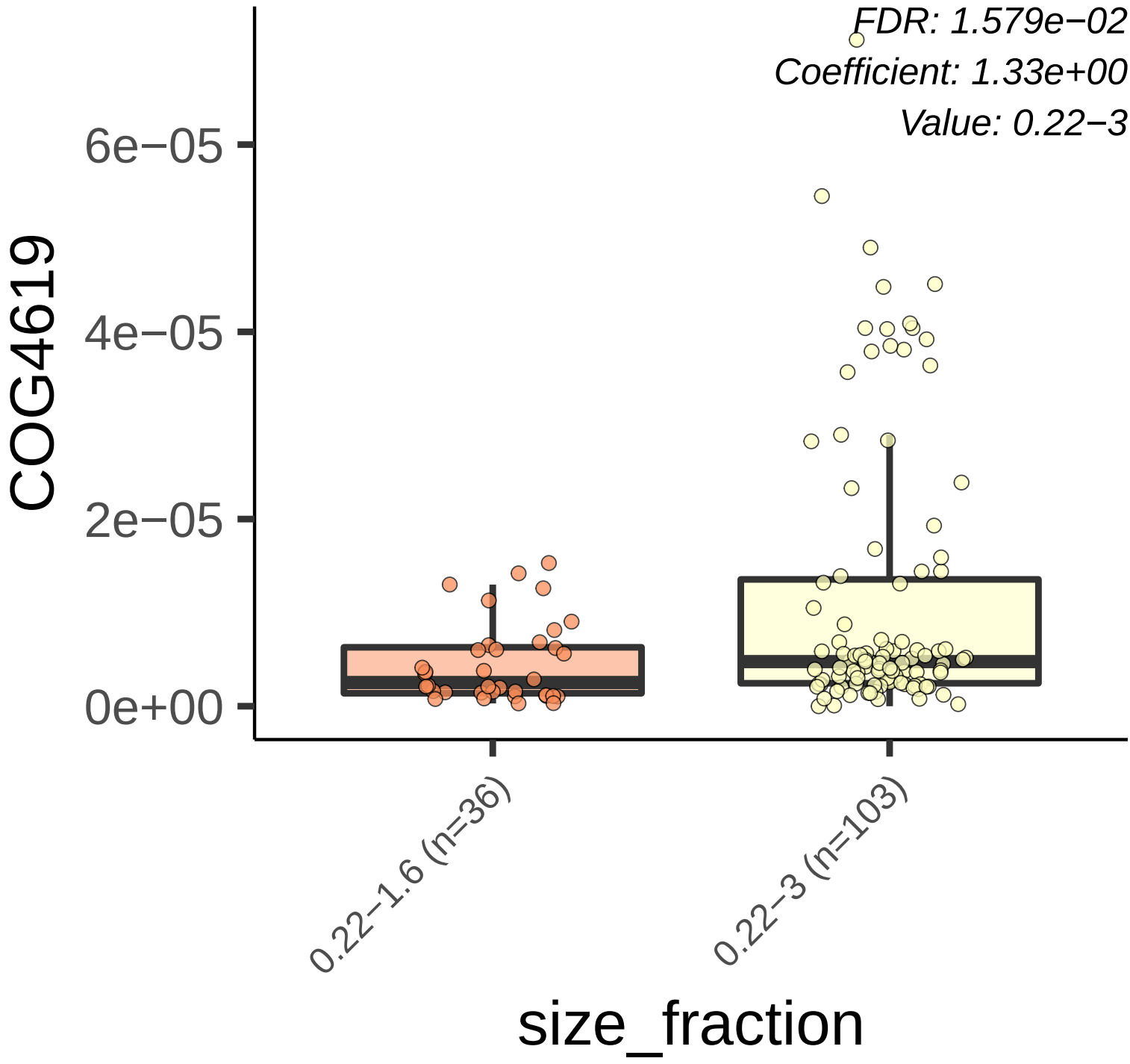

FDR: 1.530e−02
Coefficient: 1.60e+00
Value: 0.22−3
COG0826
8e−04
6e−04
4e−04
2e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

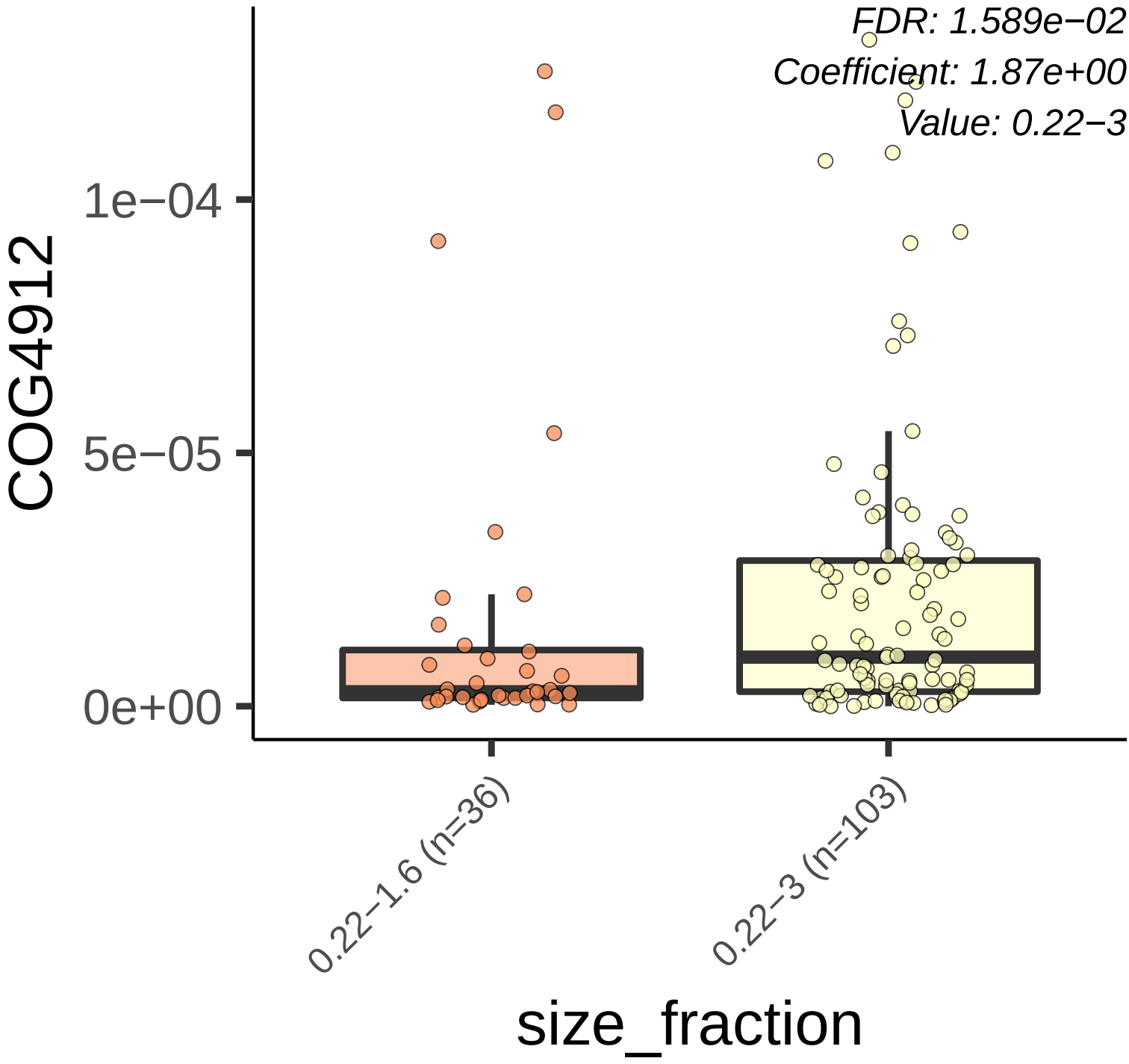

FDR: 1.530e−02
Coefficient: 4.02e+00
Value: 0.22−3
COG1325
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

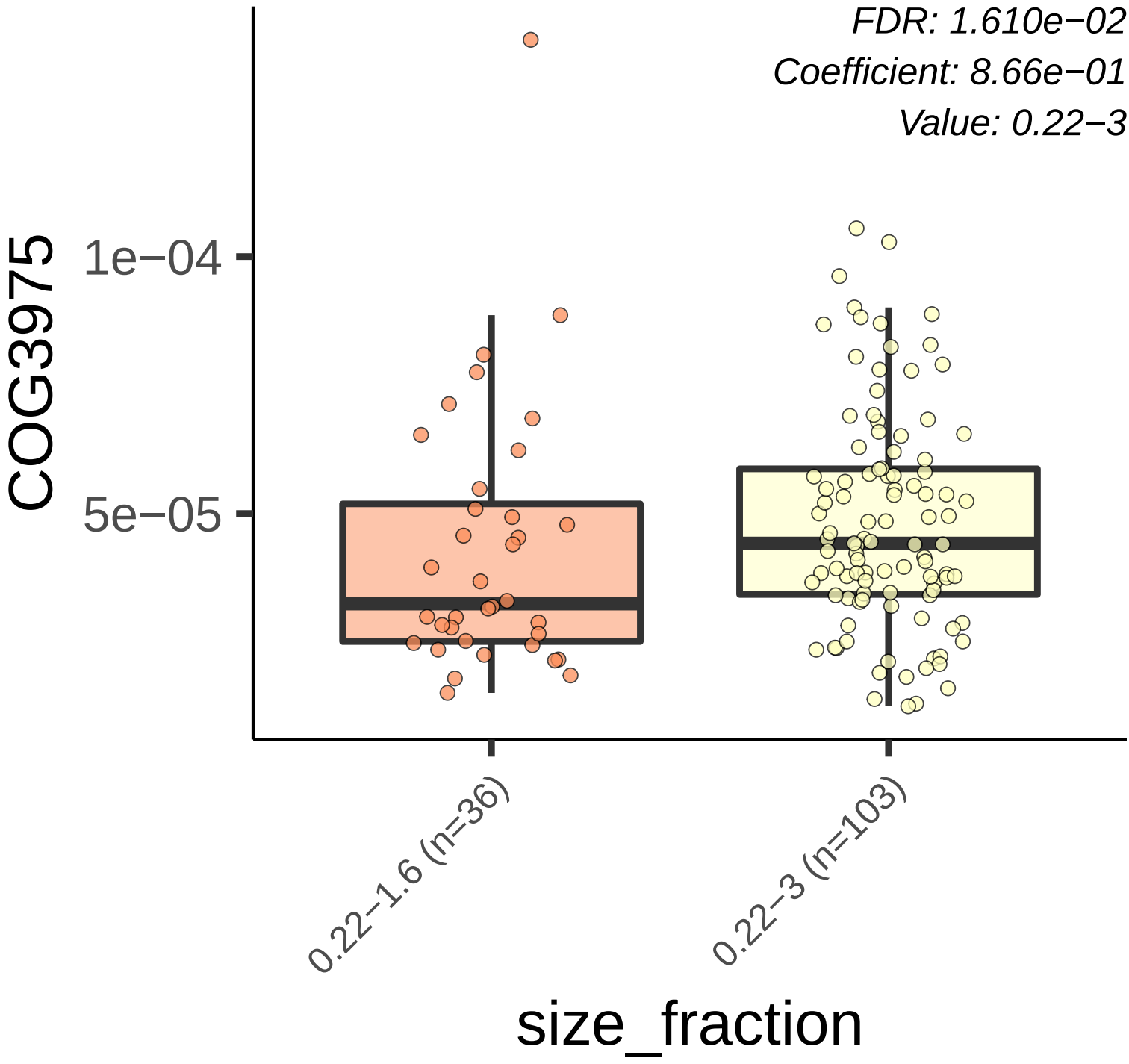

FDR: 1.560e−02
Coefficient: 1.48e+00
Value: 0.22−3
COG0598
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

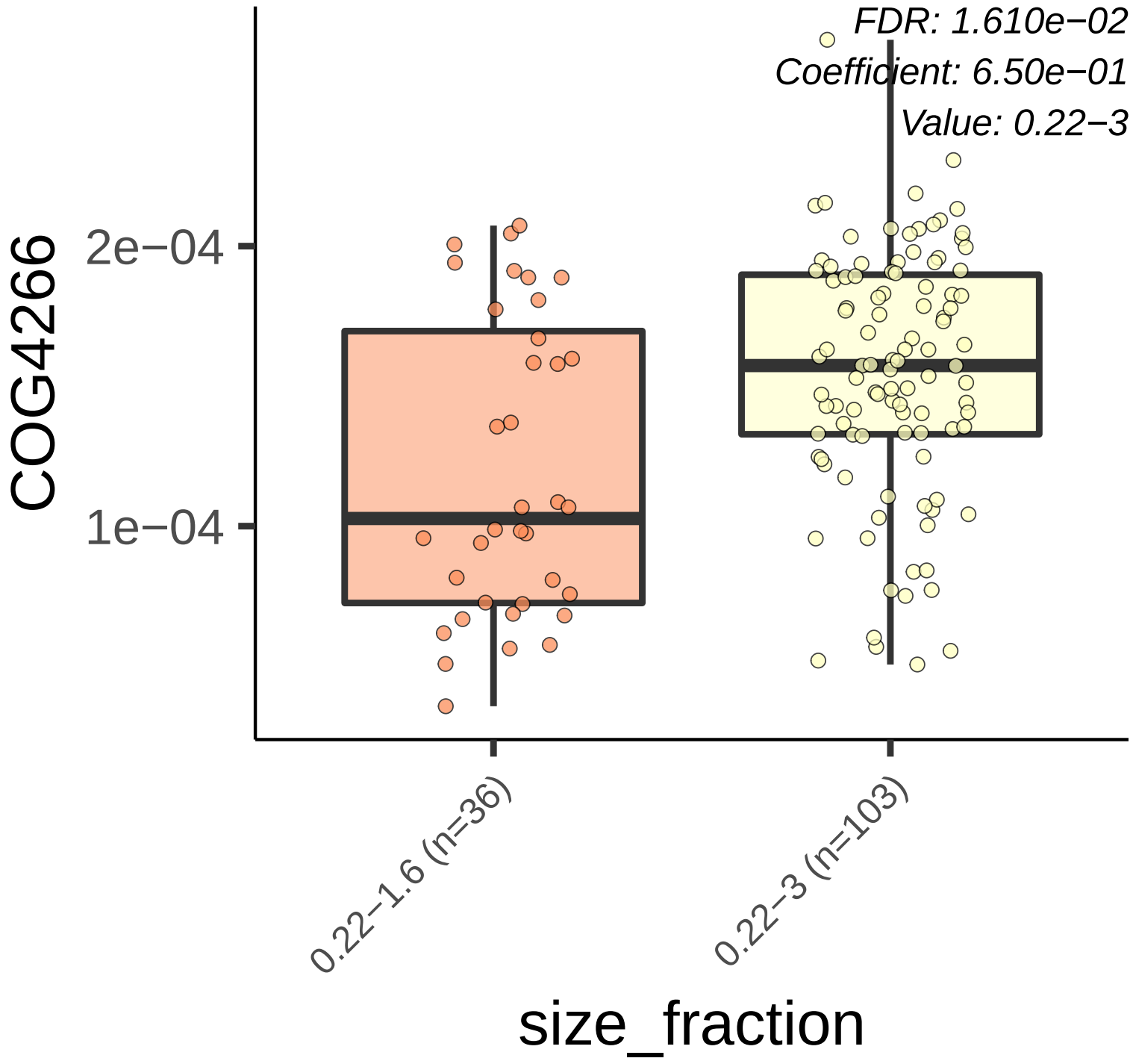

FDR: 1.573e−02
Coefficient: 1.77e+00
Value: 0.22−3
COG3103
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

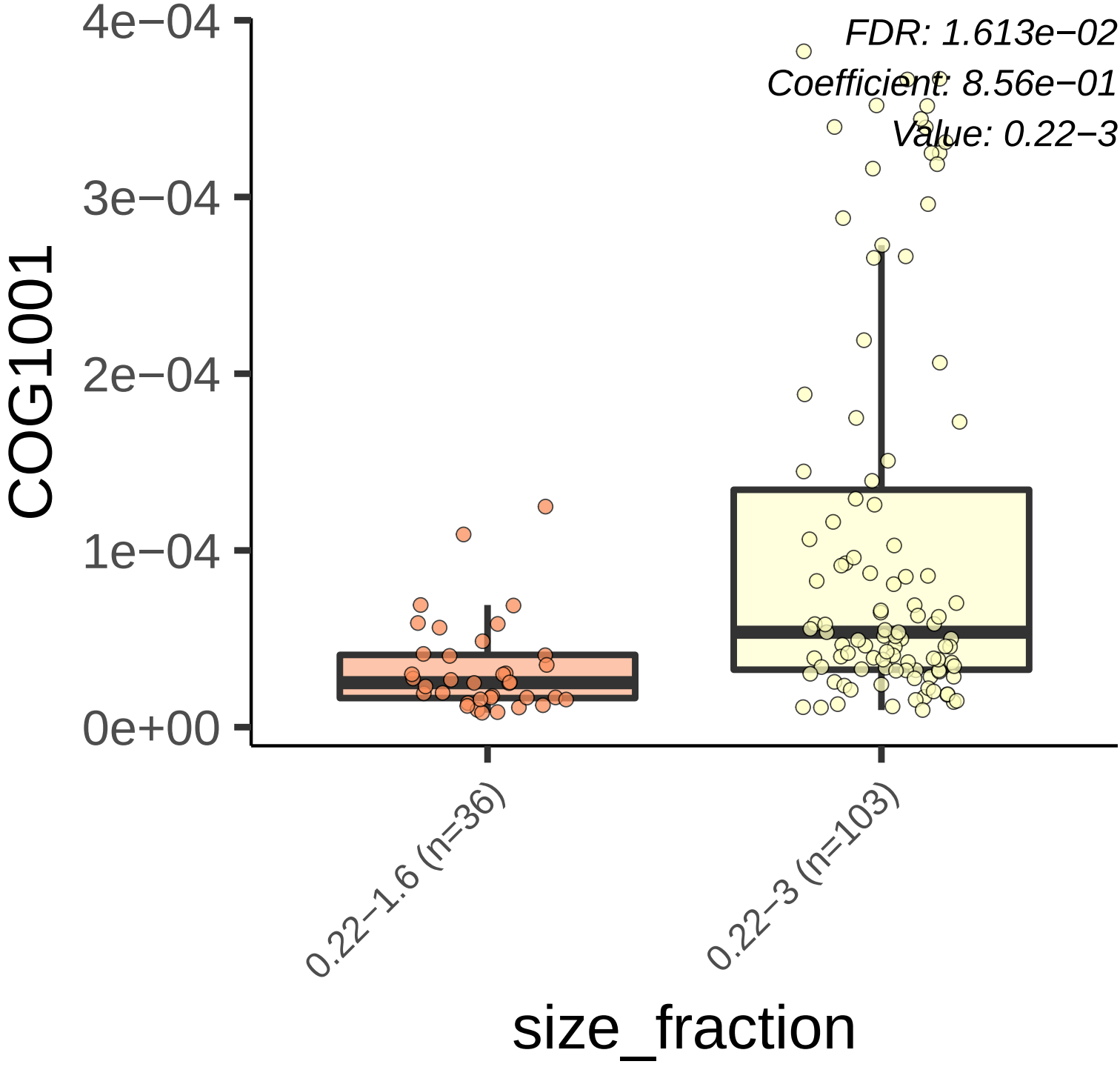

FDR: 1.573e−02
Coefficient: 6.63e−01
Value: 0.22−3
COG0434
6e−05
4e−05
2e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

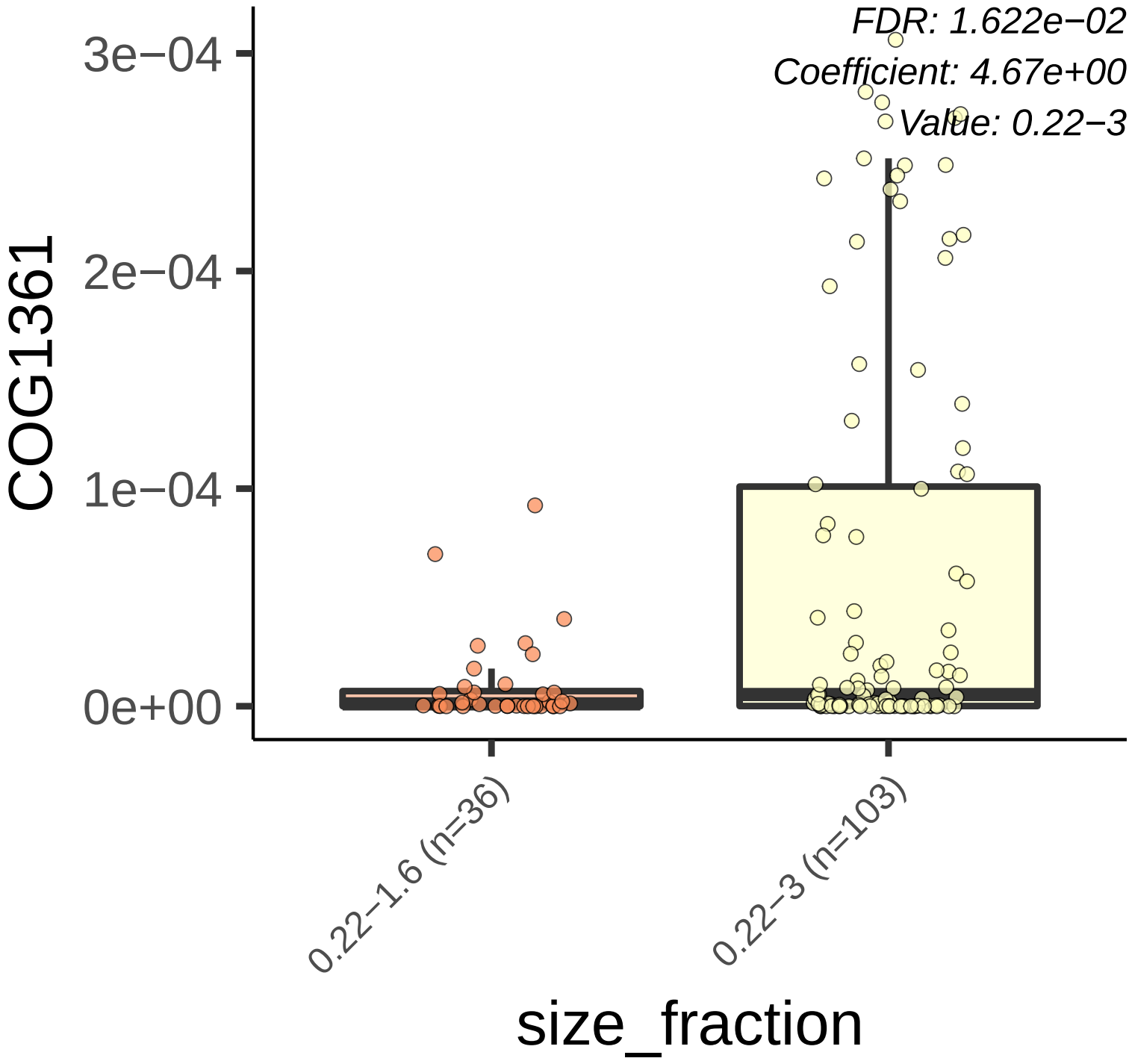

FDR: 1.579e−02
Coefficient: 1.33e+00
Value: 0.22−3
COG4619
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

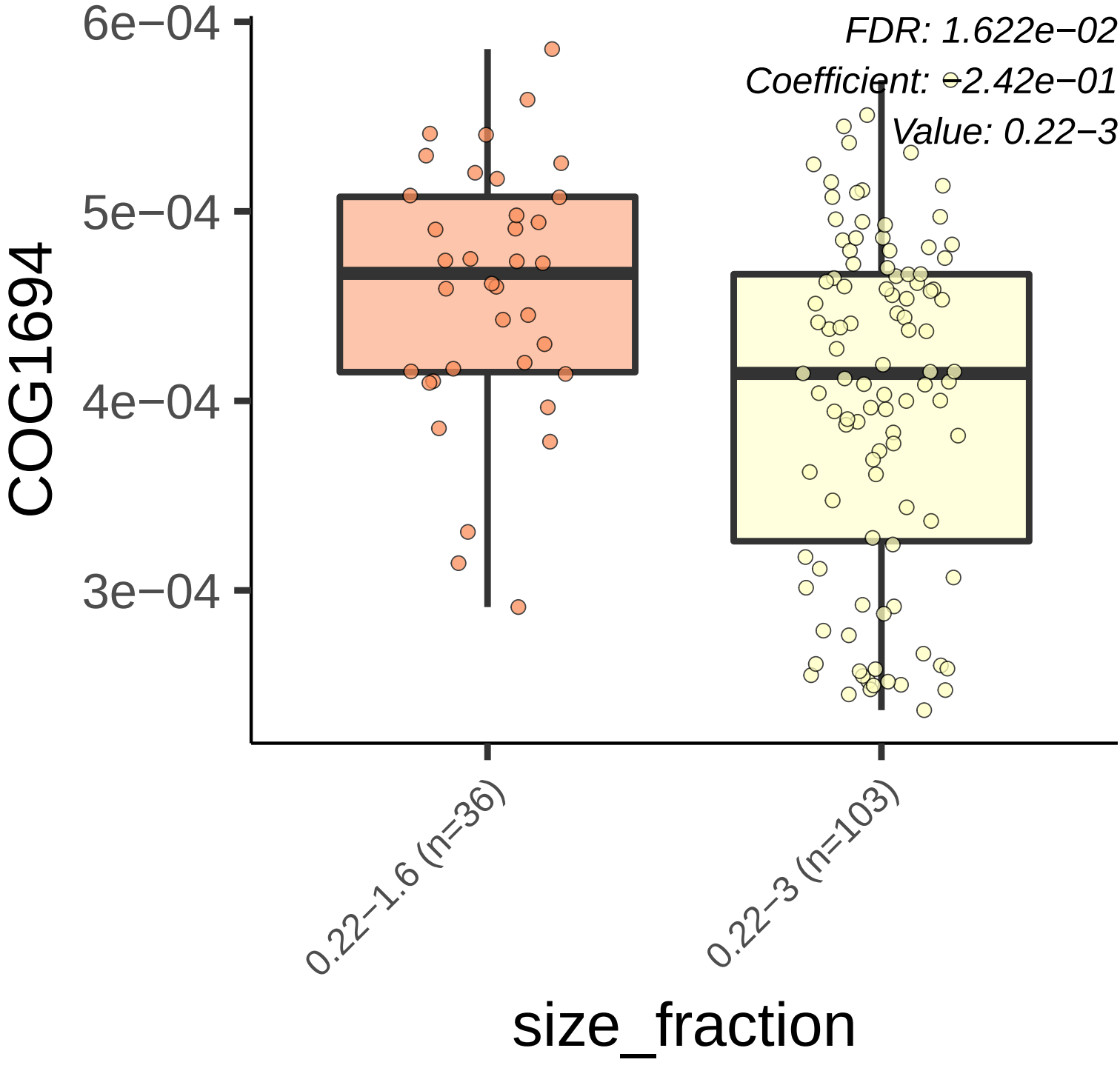

FDR: 1.589e−02
Coefficient: 1.87e+00
Value: 0.22−3
COG4912
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

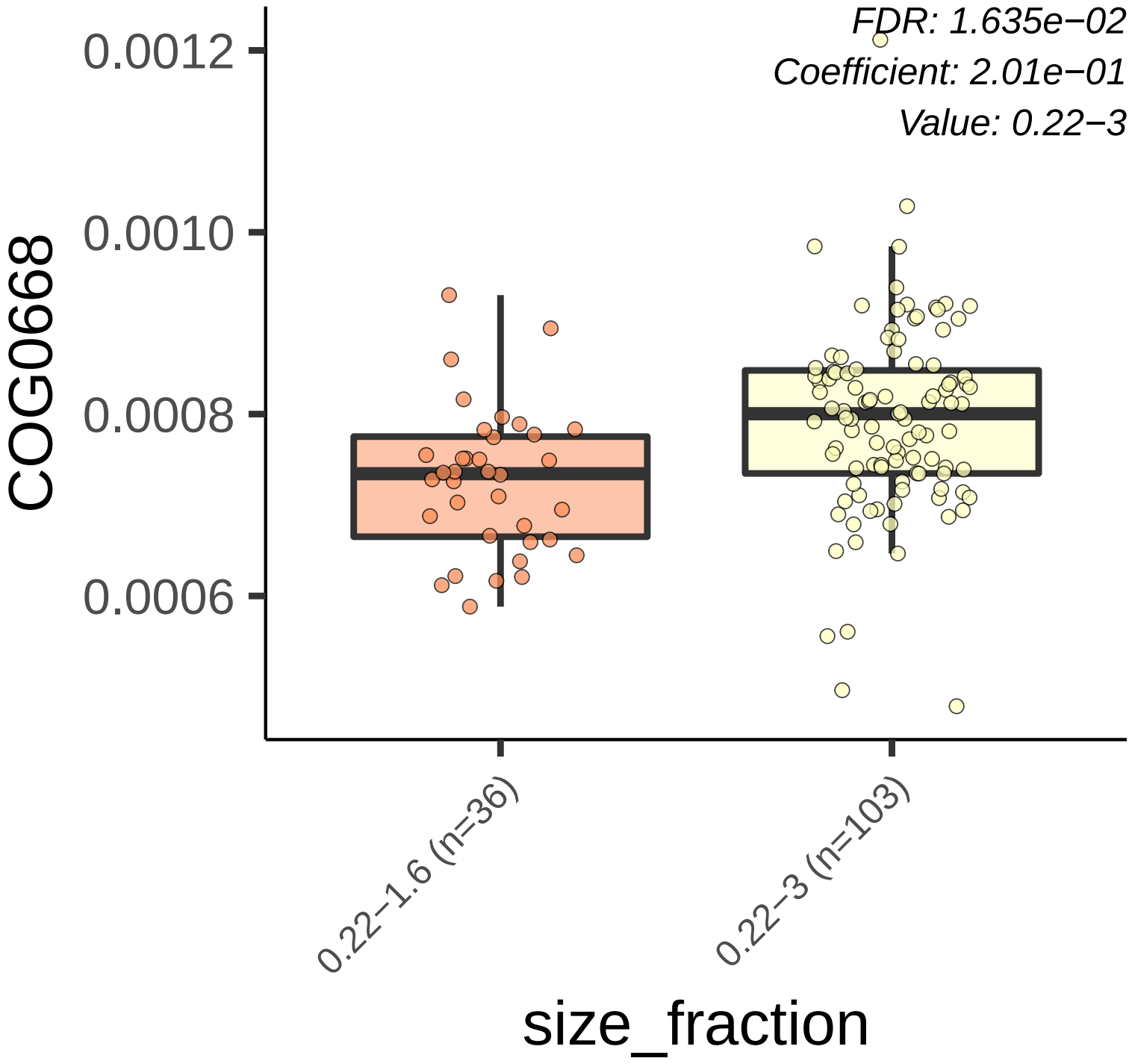

FDR: 1.610e−02
Coefficient: 8.66e−01
Value: 0.22−3
COG3975
1e−04
5e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

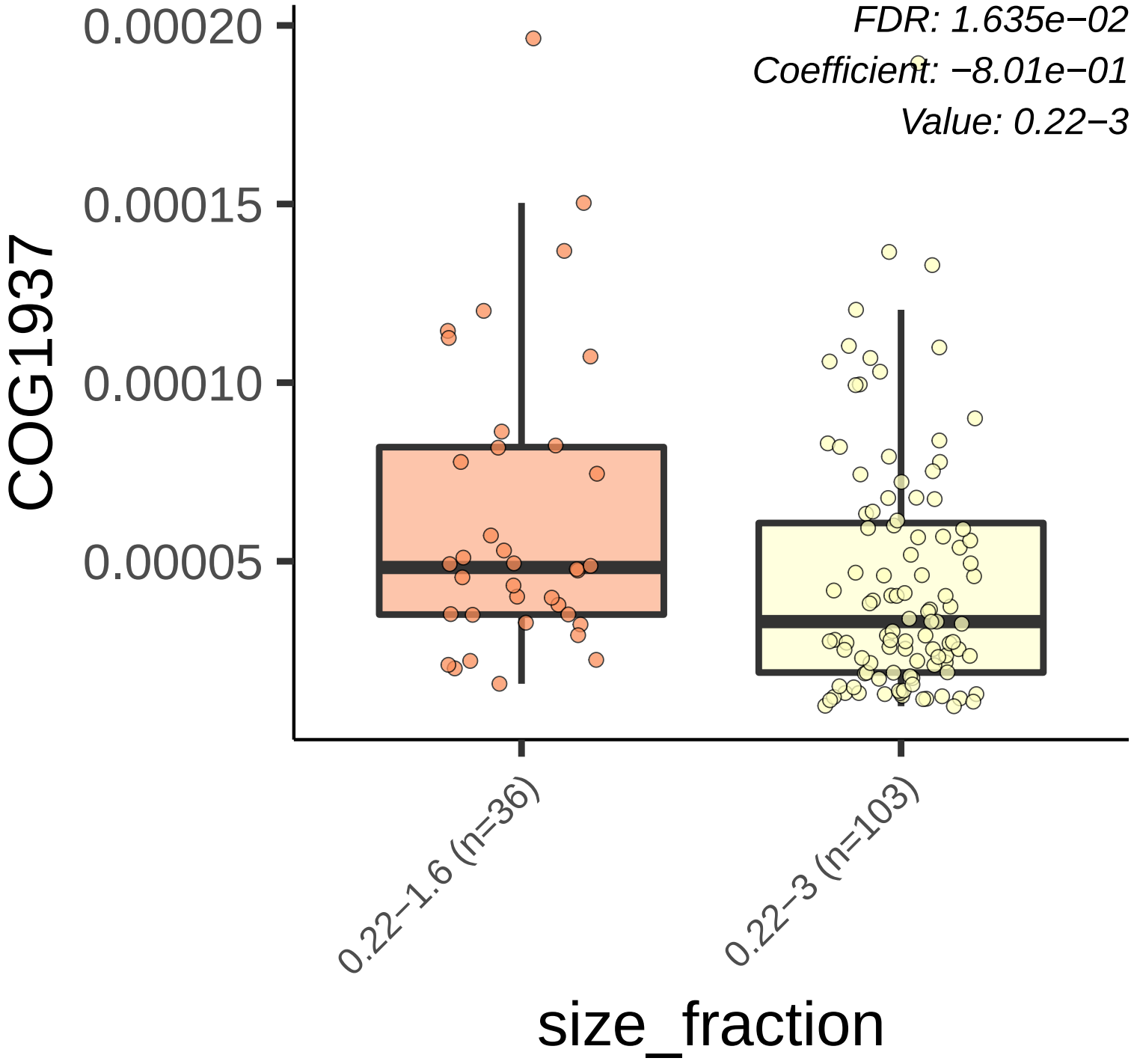

FDR: 1.610e−02
Coefficient: 6.50e−01
Value: 0.22−3
COG4266
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

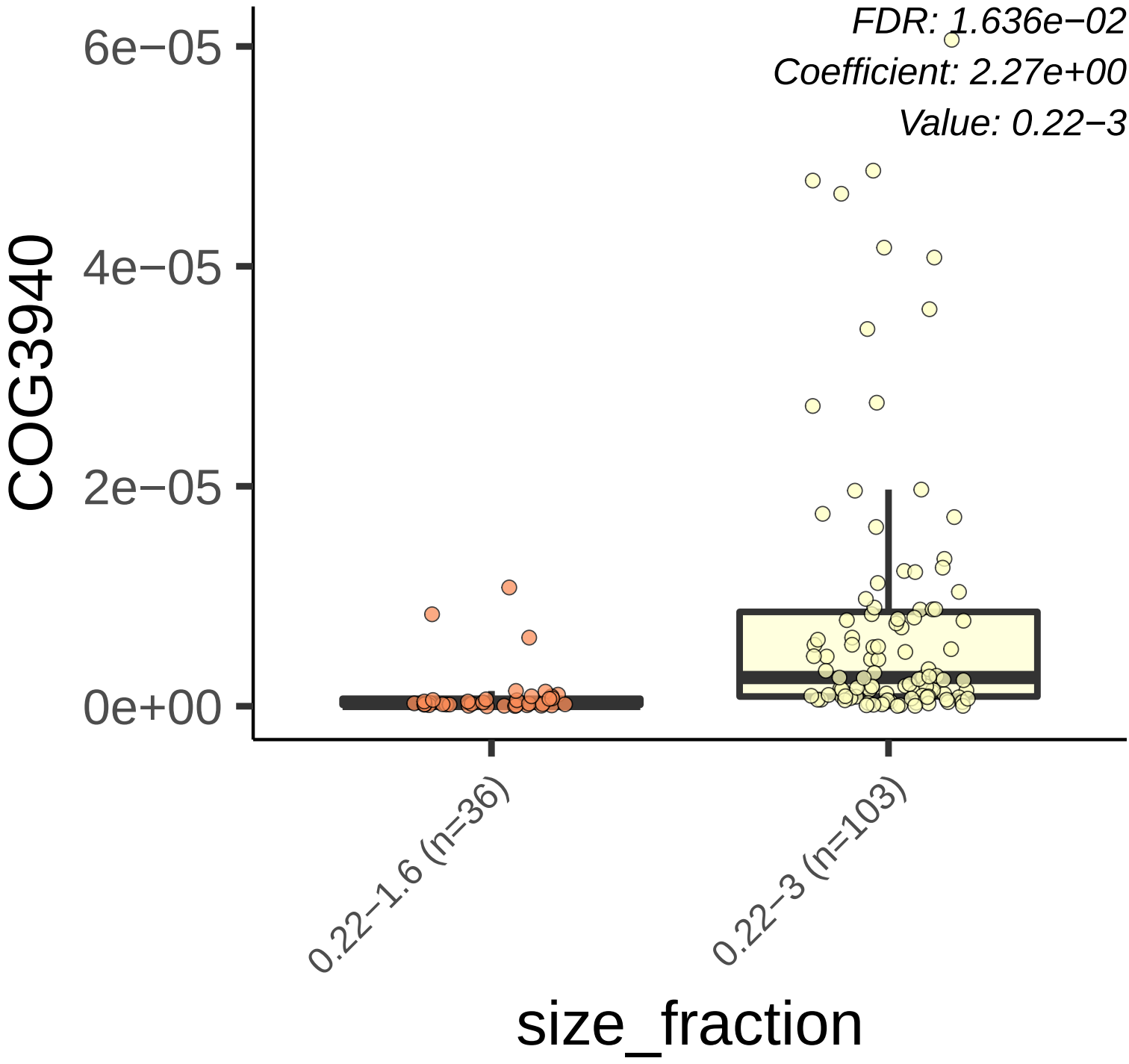

FDR: 1.613e−02
Coefficient: 8.56e−01
Value: 0.22−3
COG1001
4e−04
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

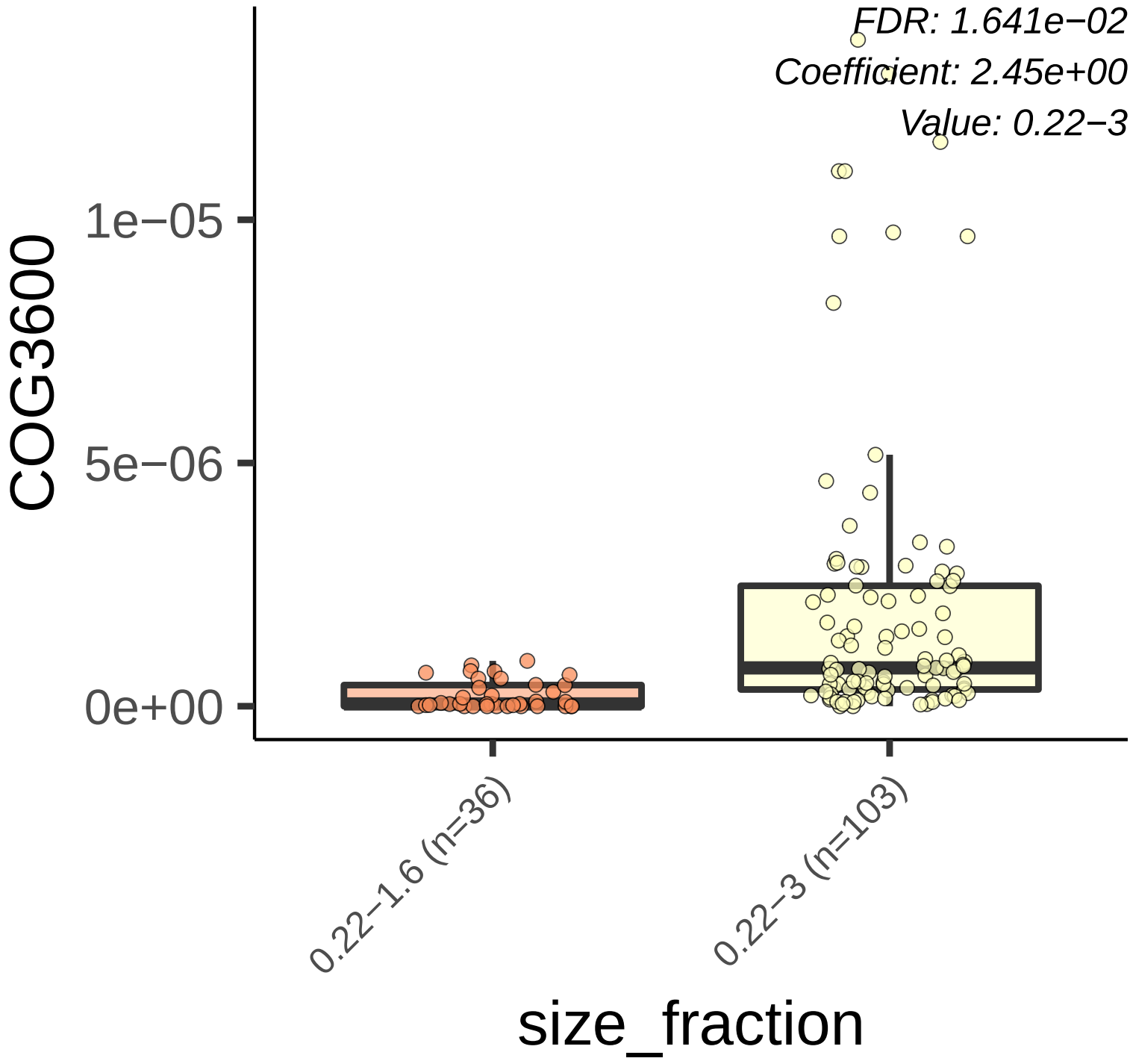

FDR: 1.622e−02
Coefficient: 4.67e+00
Value: 0.22−3
COG1361
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

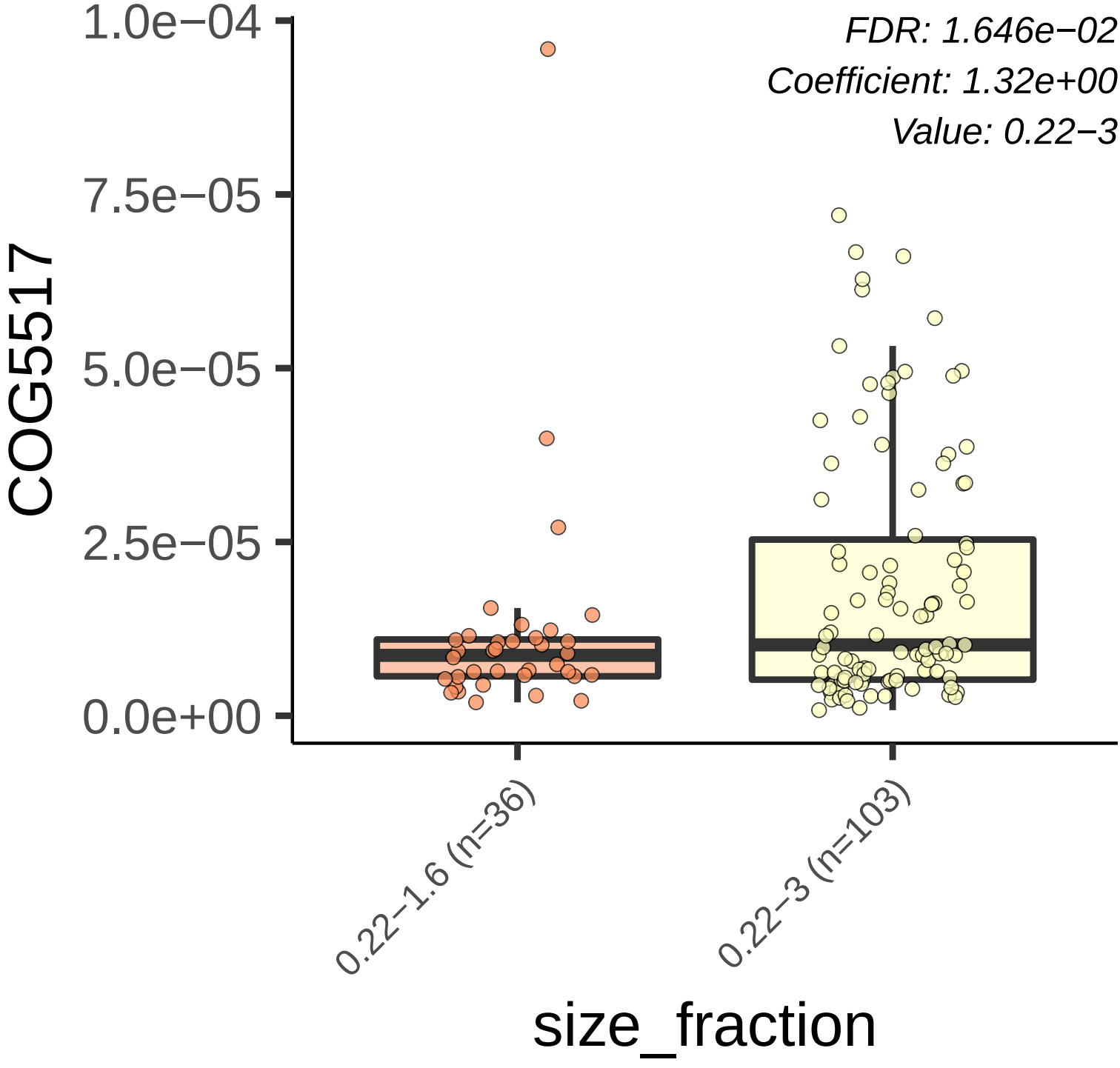

FDR: 1.622e−02
Coefficient: −2.42e−01
Value: 0.22−3
6e−04
5e−04
4e−04
3e−04
COG1694
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

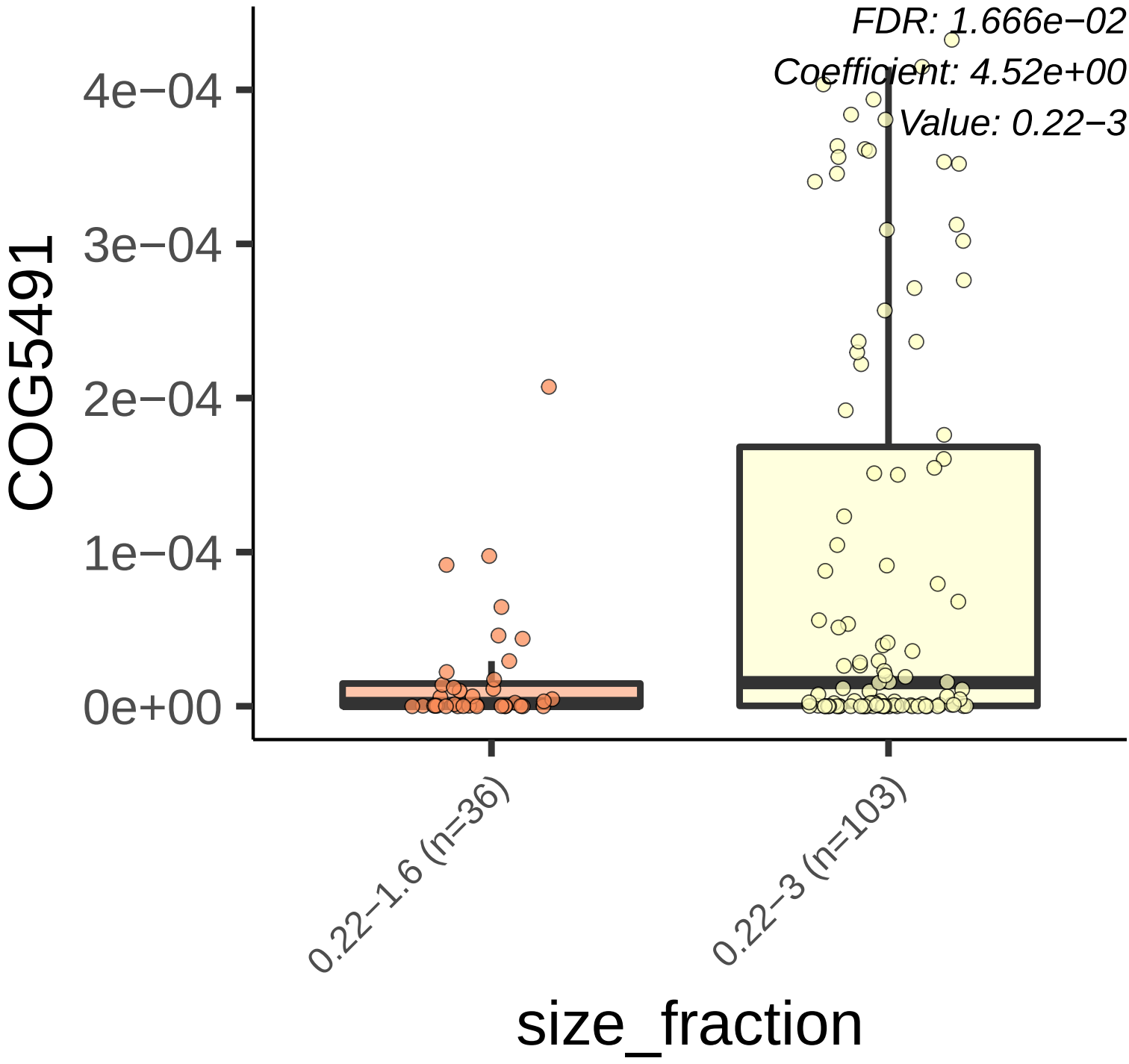

FDR: 1.635e−02
Coefficient: 2.01e−01
Value: 0.22−3
COG0668
0.0012
0.0010
0.0008
0.0006
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

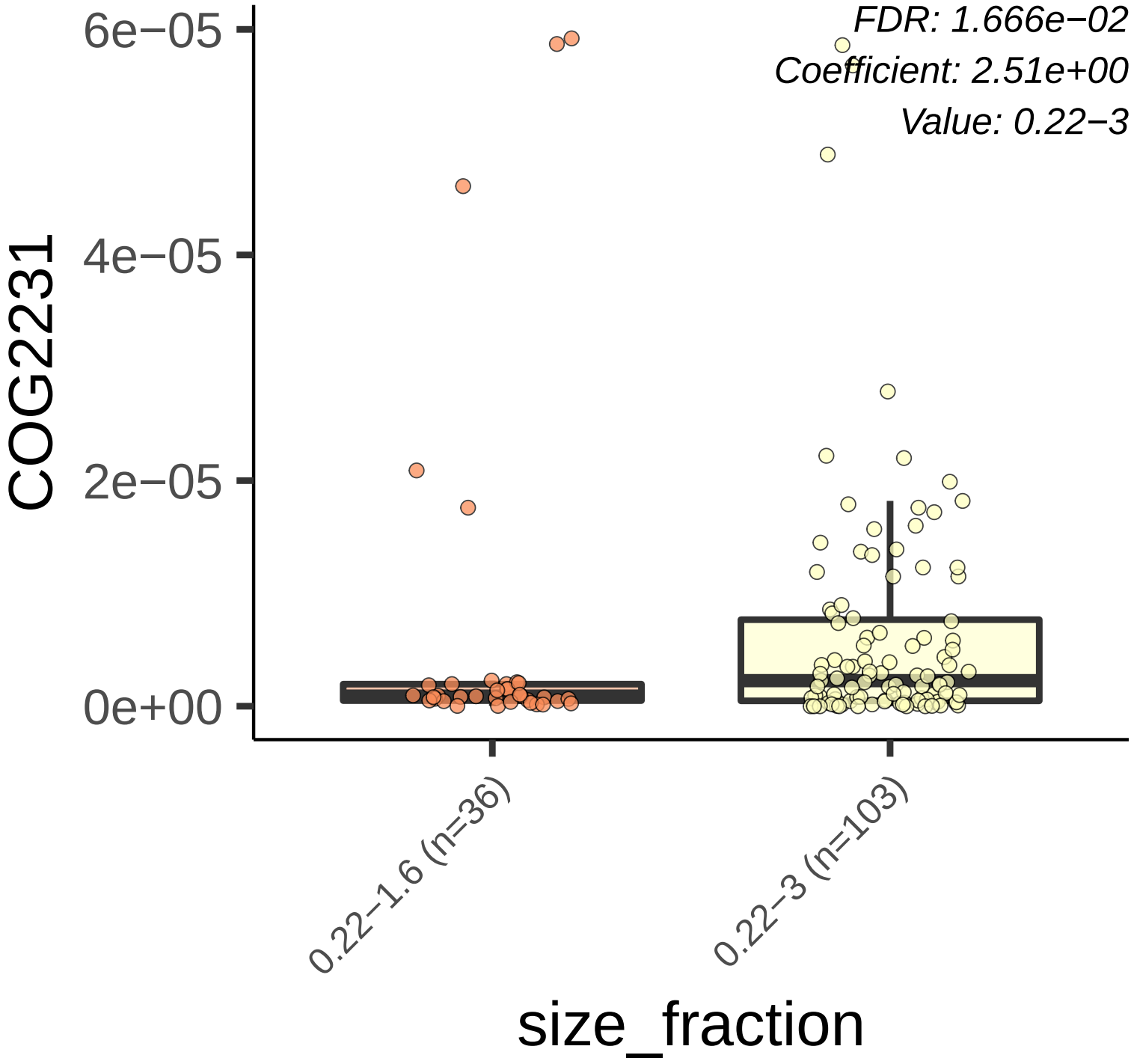

FDR: 1.635e−02
Coefficient: −8.01e−01
Value: 0.22−3
COG1937
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

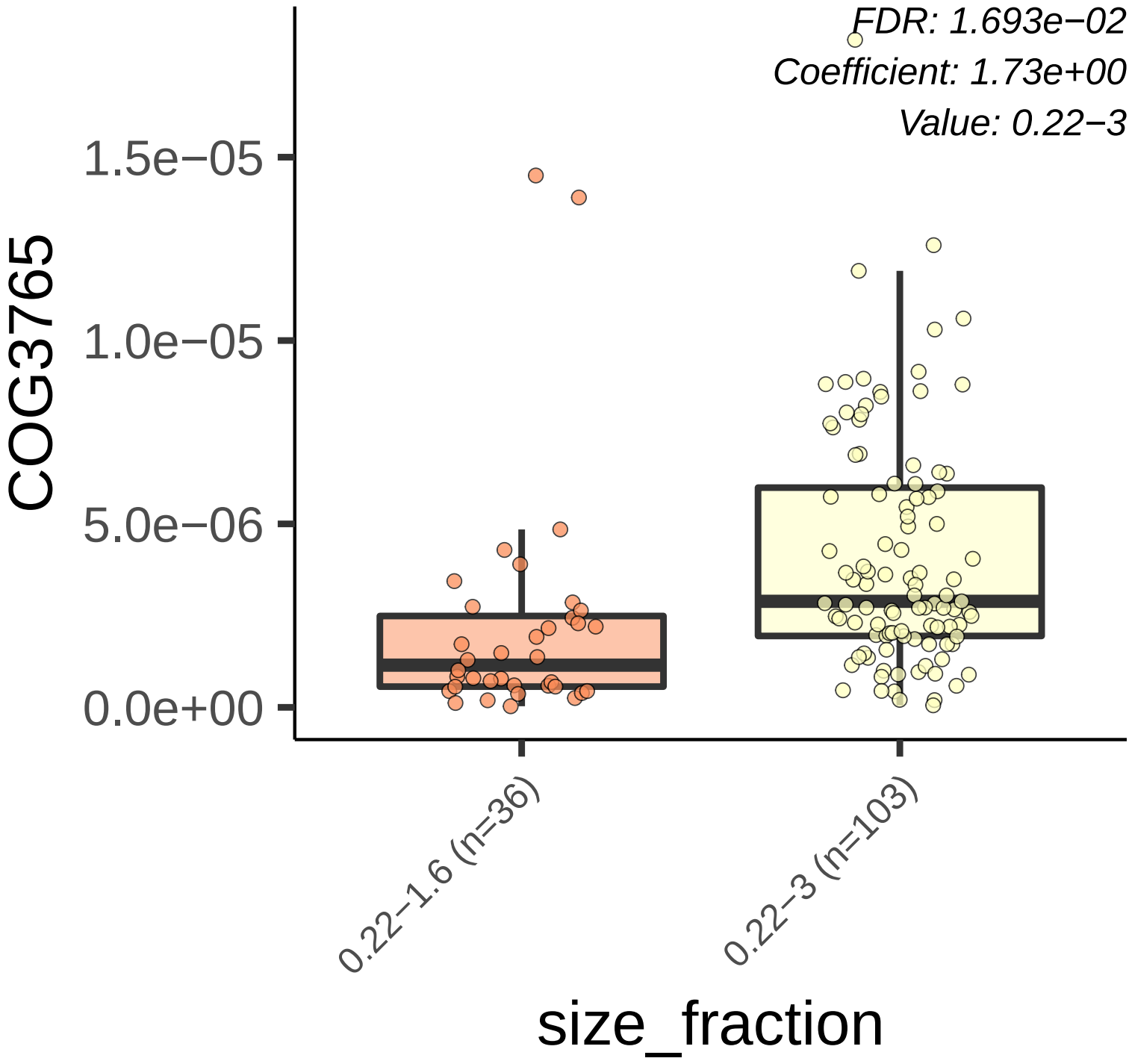

FDR: 1.636e−02
Coefficient: 2.27e+00
Value: 0.22−3
COG3940
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

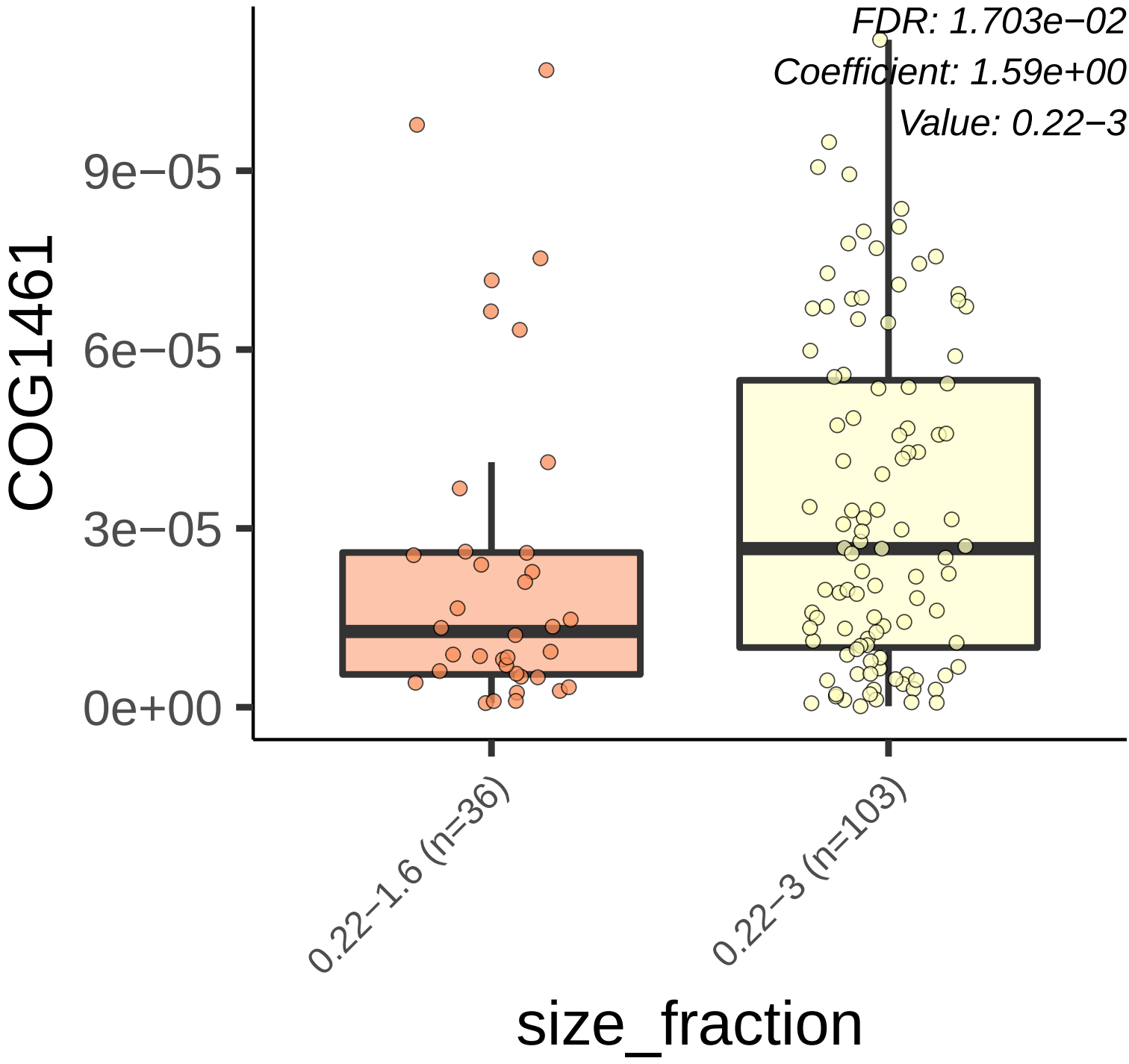

FDR: 1.641e−02
Coefficient: 2.45e+00
Value: 0.22−3
COG3600
1e−05
5e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

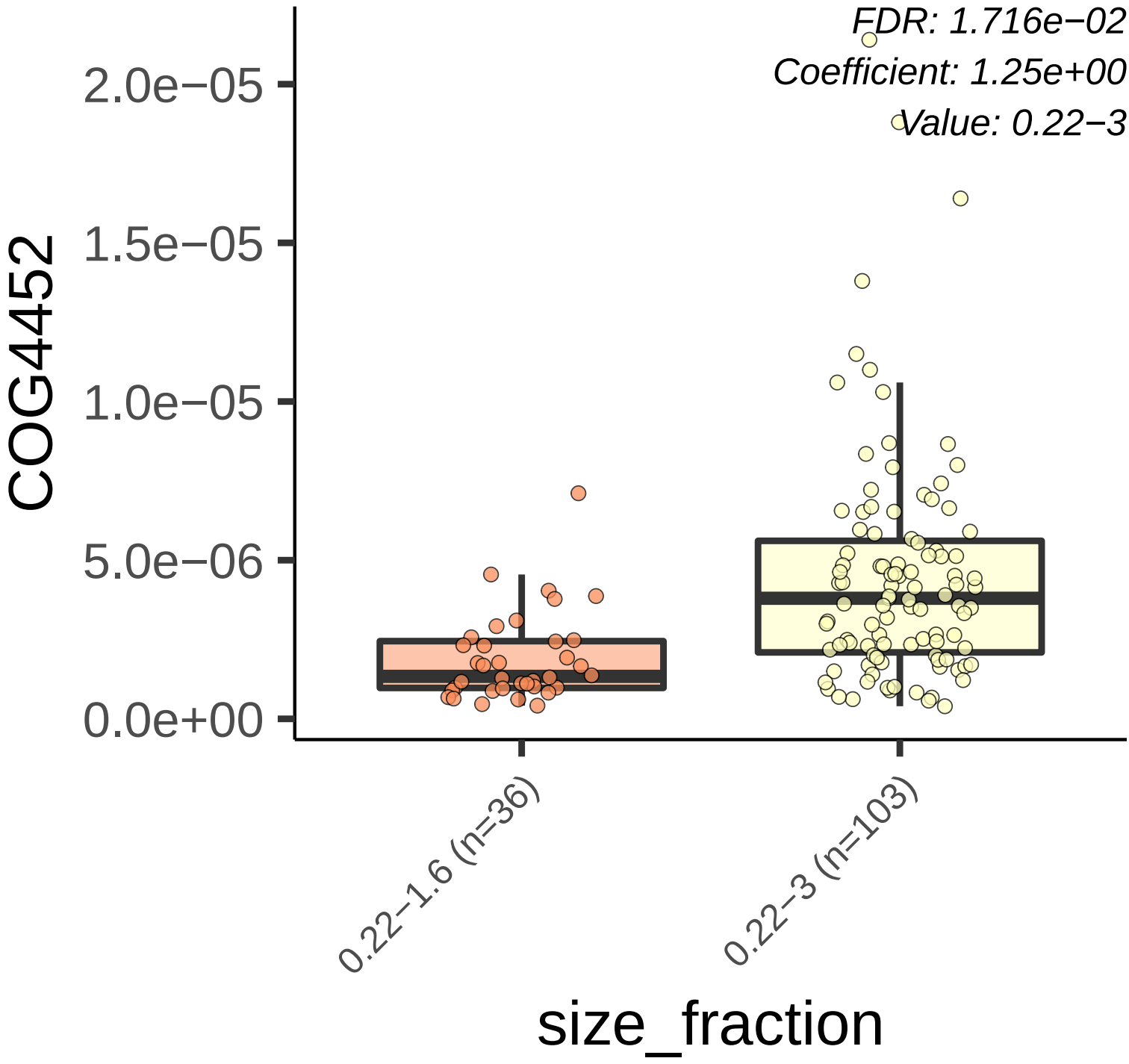

FDR: 1.646e−02
Coefficient: 1.32e+00
Value: 0.22−3
COG5517
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

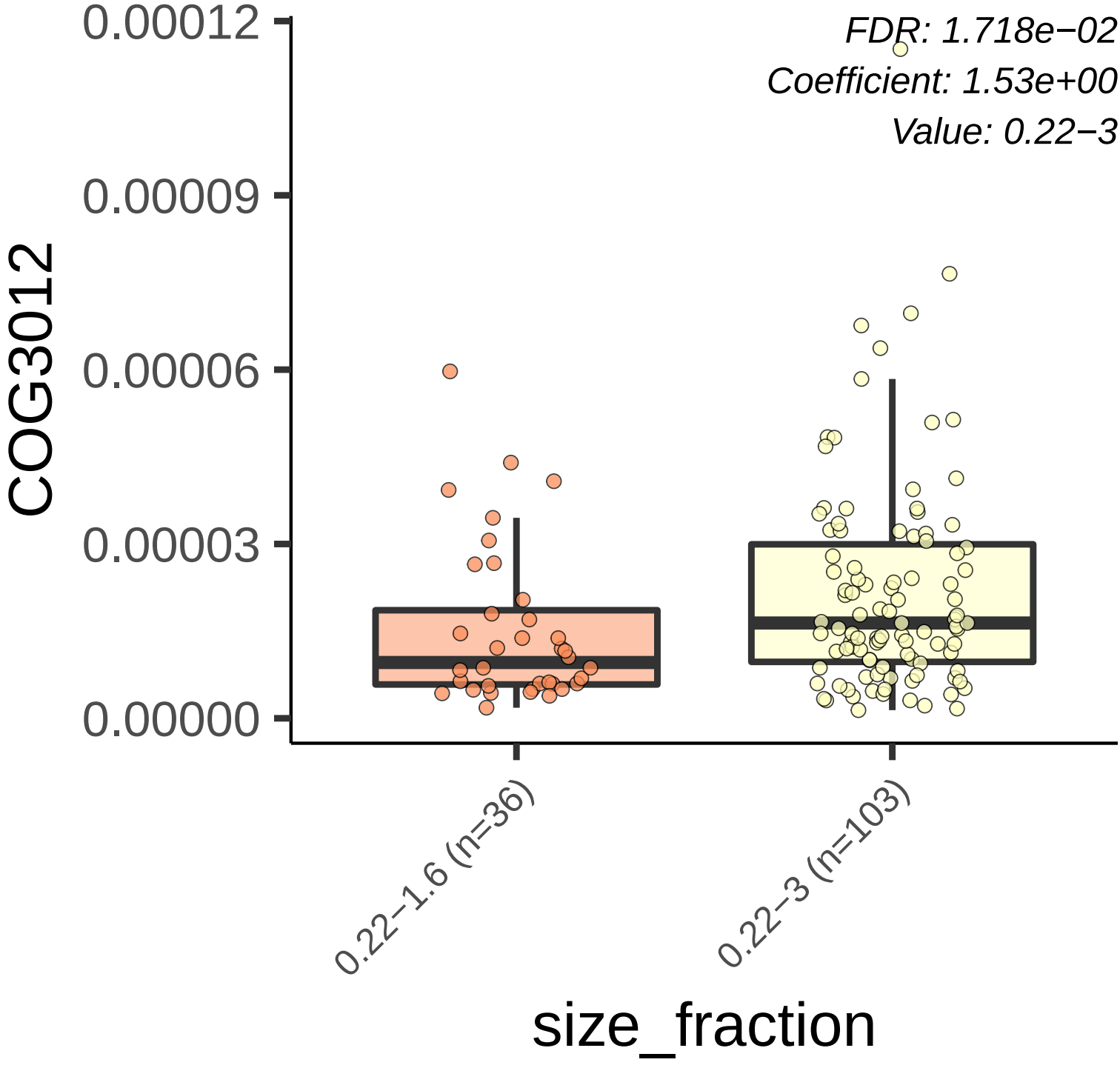

FDR: 1.666e−02
Coefficient: 4.52e+00
Value: 0.22−3
COG5491
4e−04
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

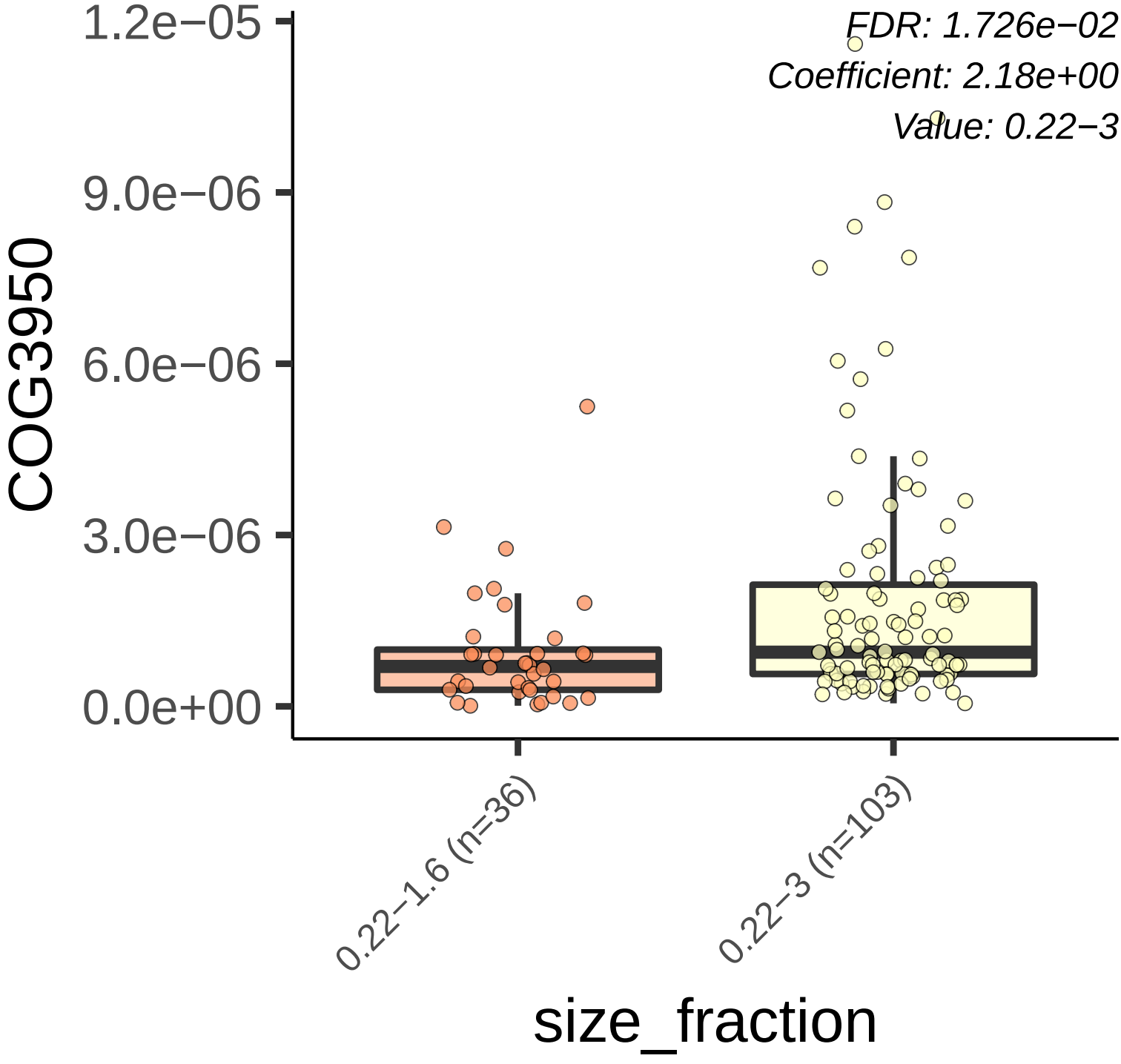

FDR: 1.666e−02
Coefficient: 2.51e+00
Value: 0.22−3
COG2231
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

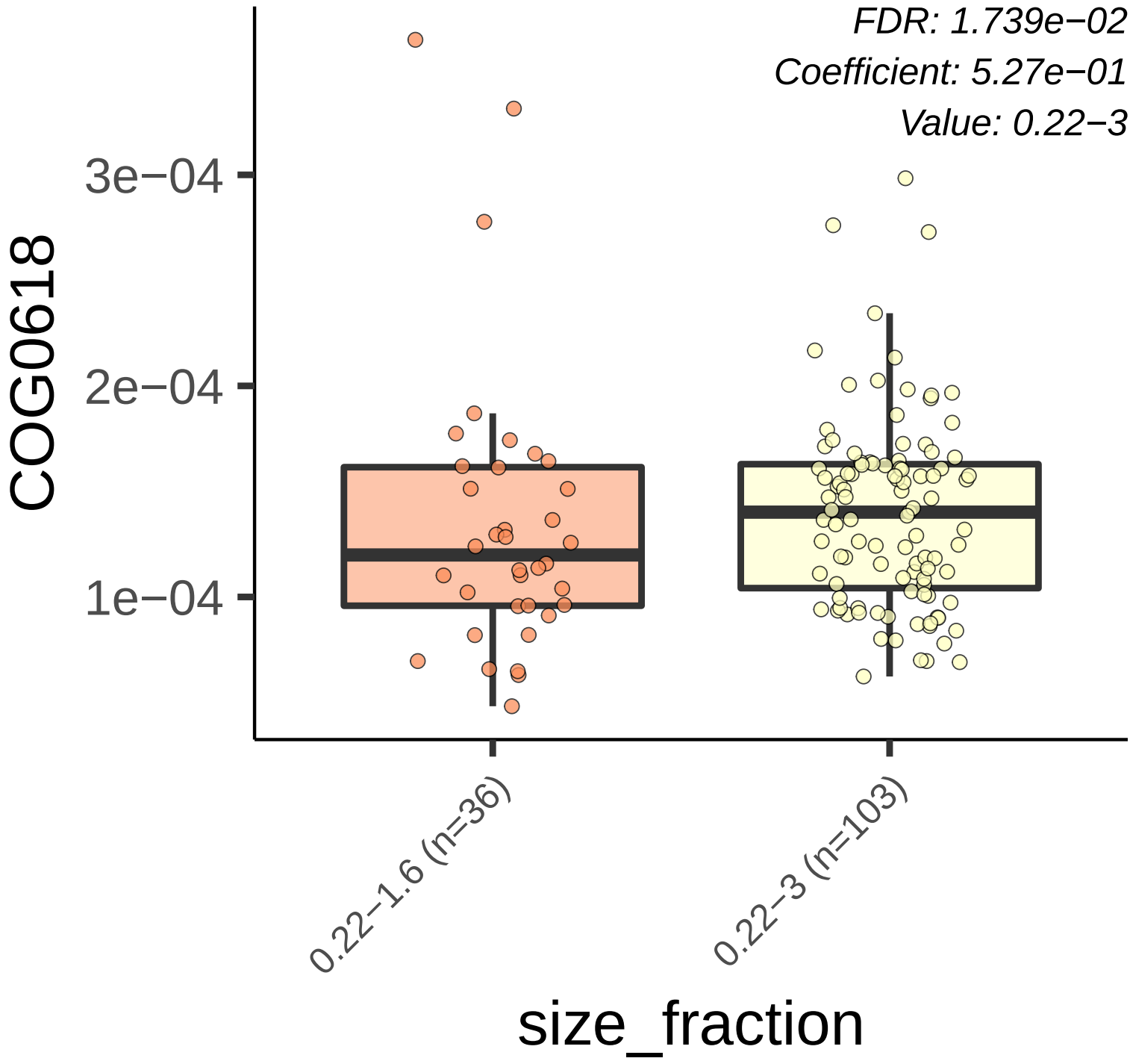

FDR: 1.693e−02
Coefficient: 1.73e+00
Value: 0.22−3
COG3765
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

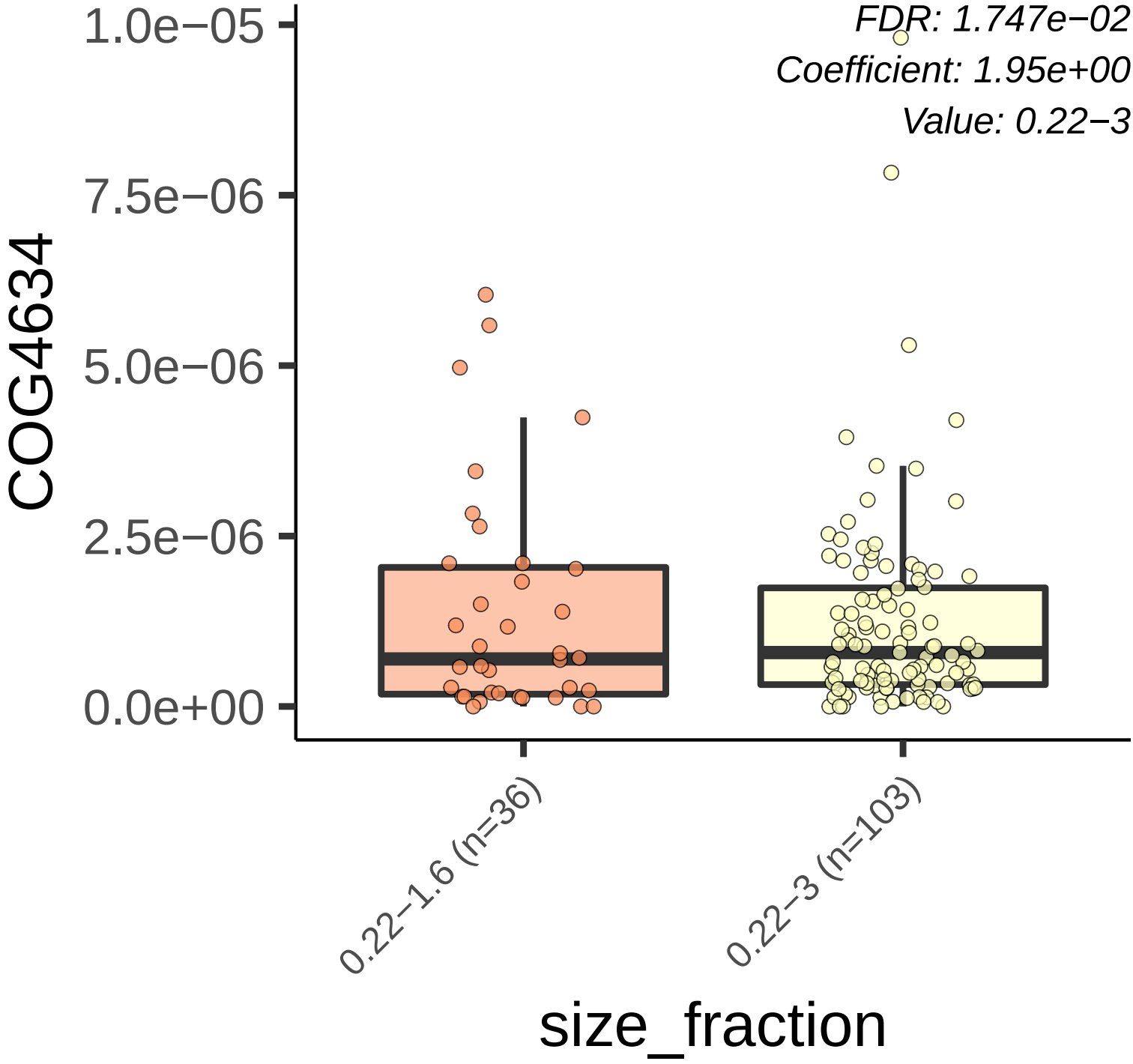

FDR: 1.703e−02
Coefficient: 1.59e+00
Value: 0.22−3
COG1461
9e−05
6e−05
3e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

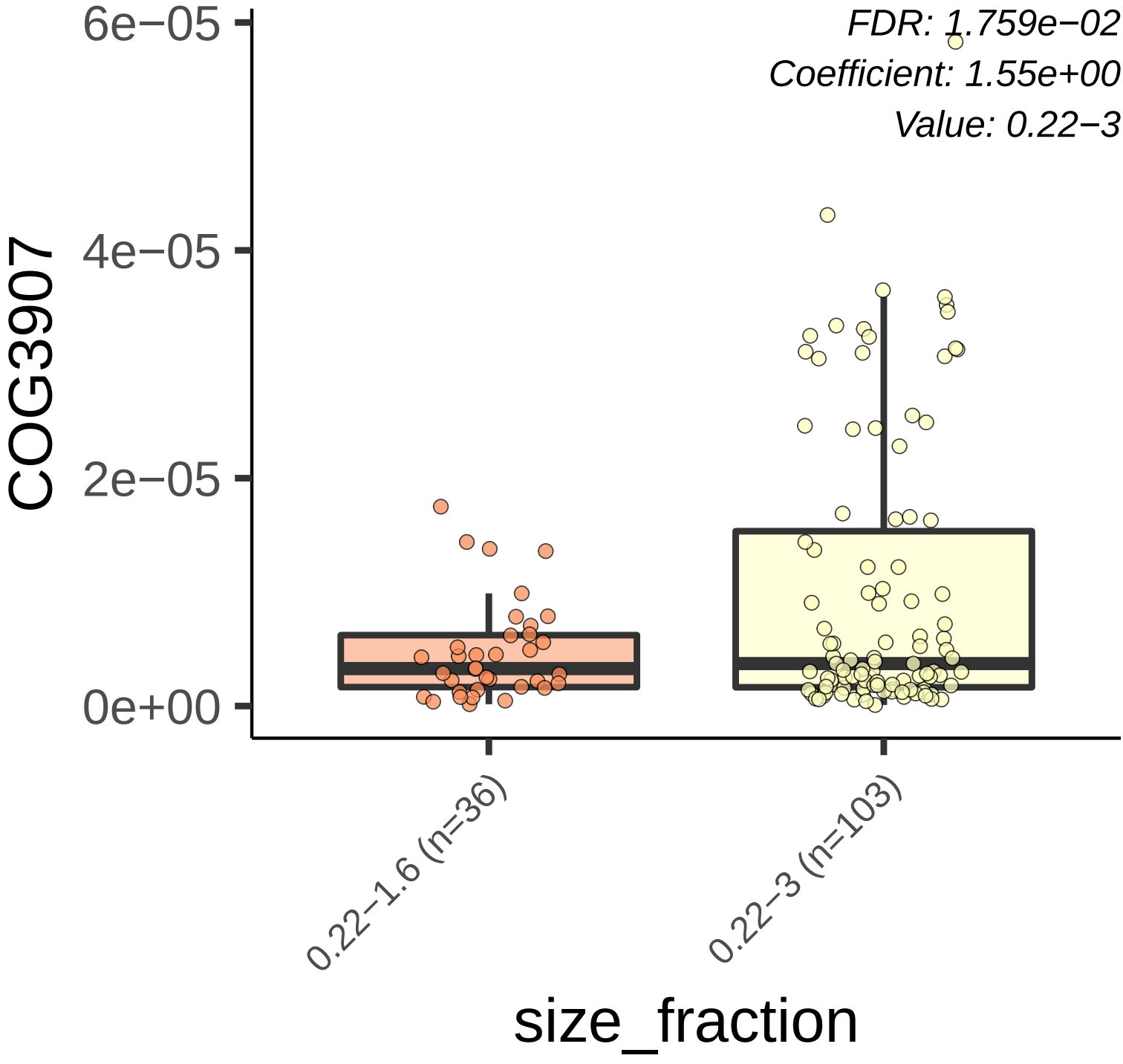

FDR: 1.716e−02
Coefficient: 1.25e+00
Value: 0.22−3
COG4452
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

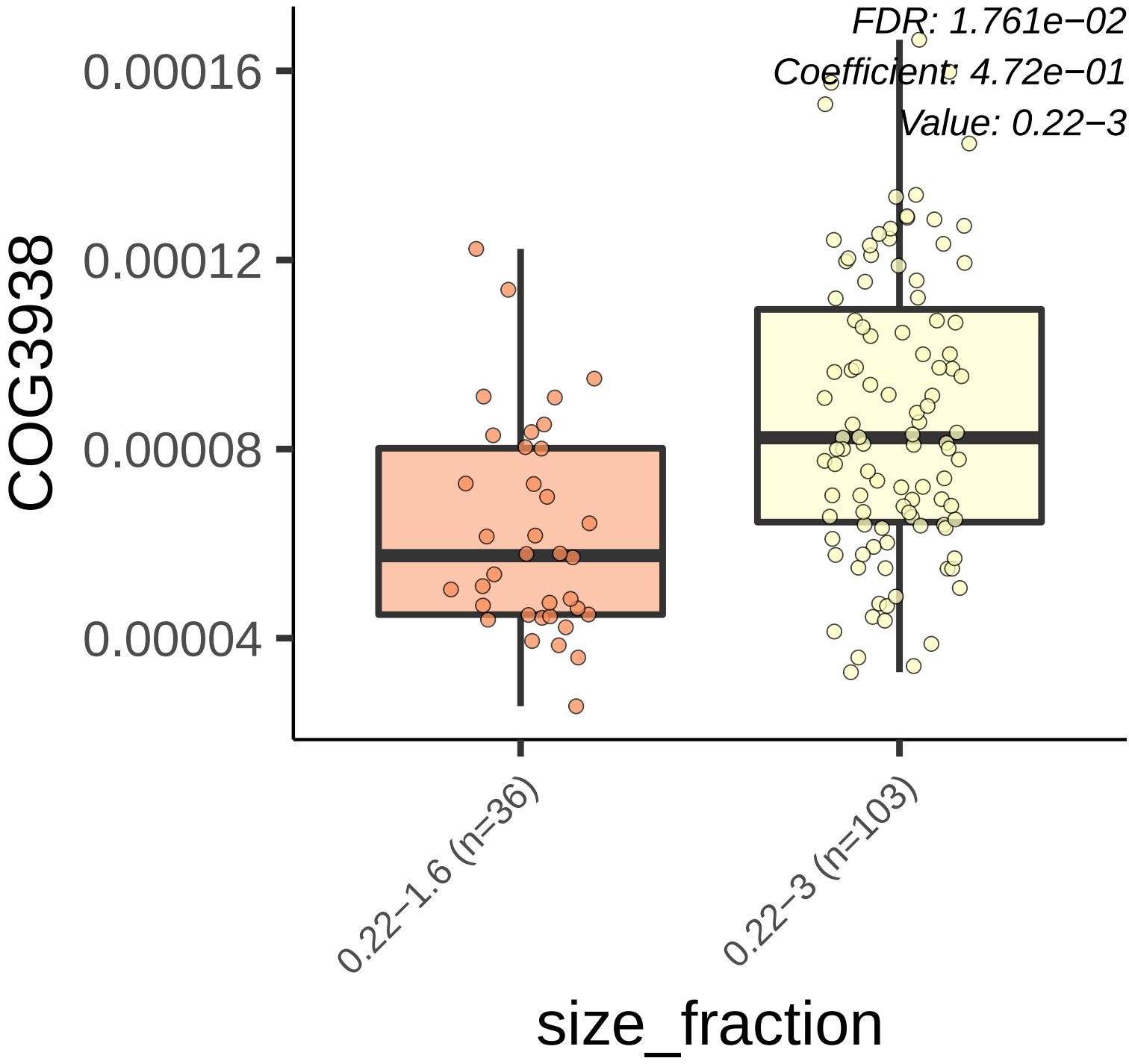

FDR: 1.718e−02
Coefficient: 1.53e+00
Value: 0.22−3
COG3012
0.00012
0.00009
0.00006
0.00003
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

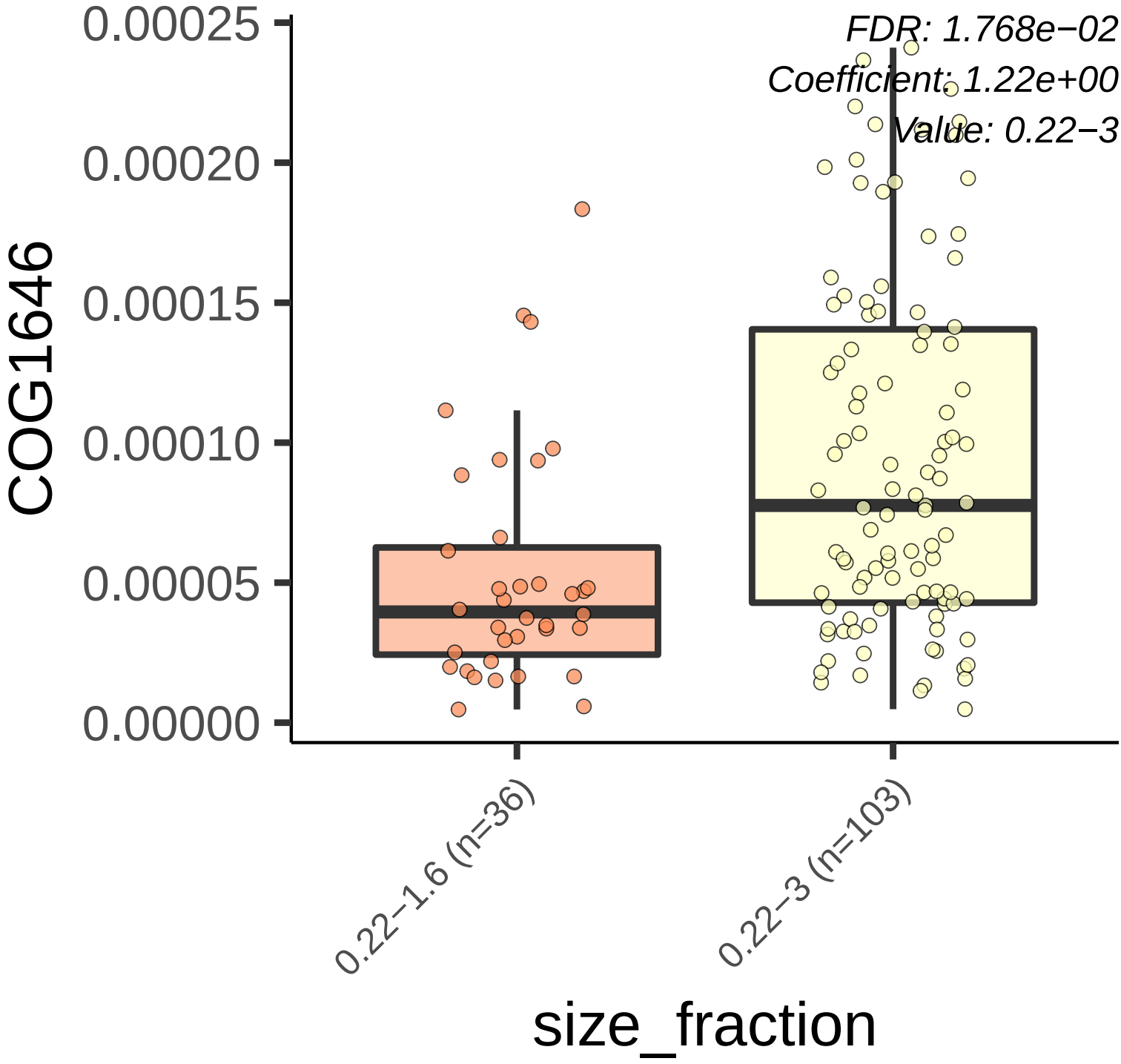

FDR: 1.726e−02
Coefficient: 2.18e+00
Value: 0.22−3
COG3950
1.2e−05
9.0e−06
6.0e−06
3.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

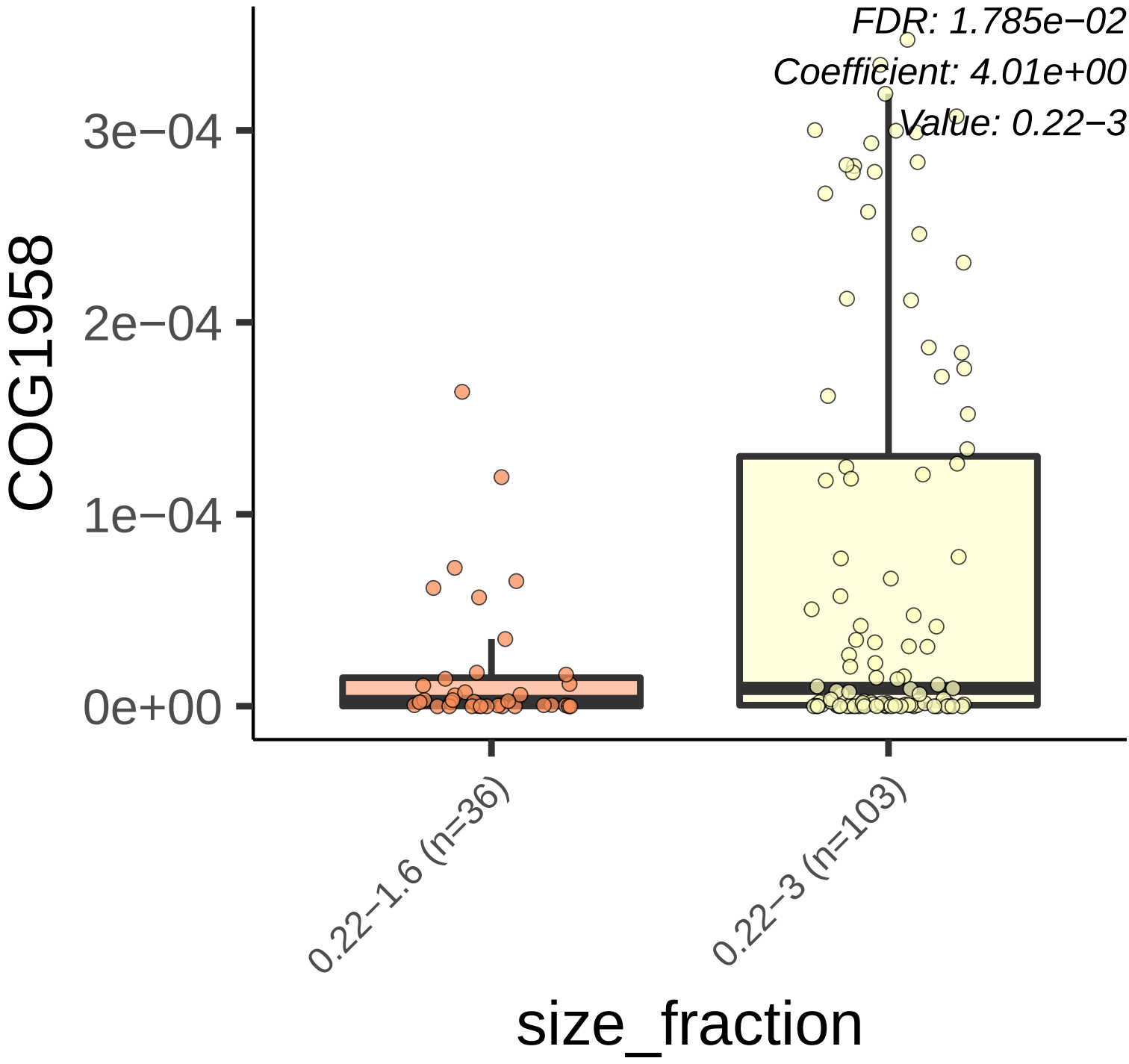

FDR: 1.739e−02
Coefficient: 5.27e−01
Value: 0.22−3
COG0618
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

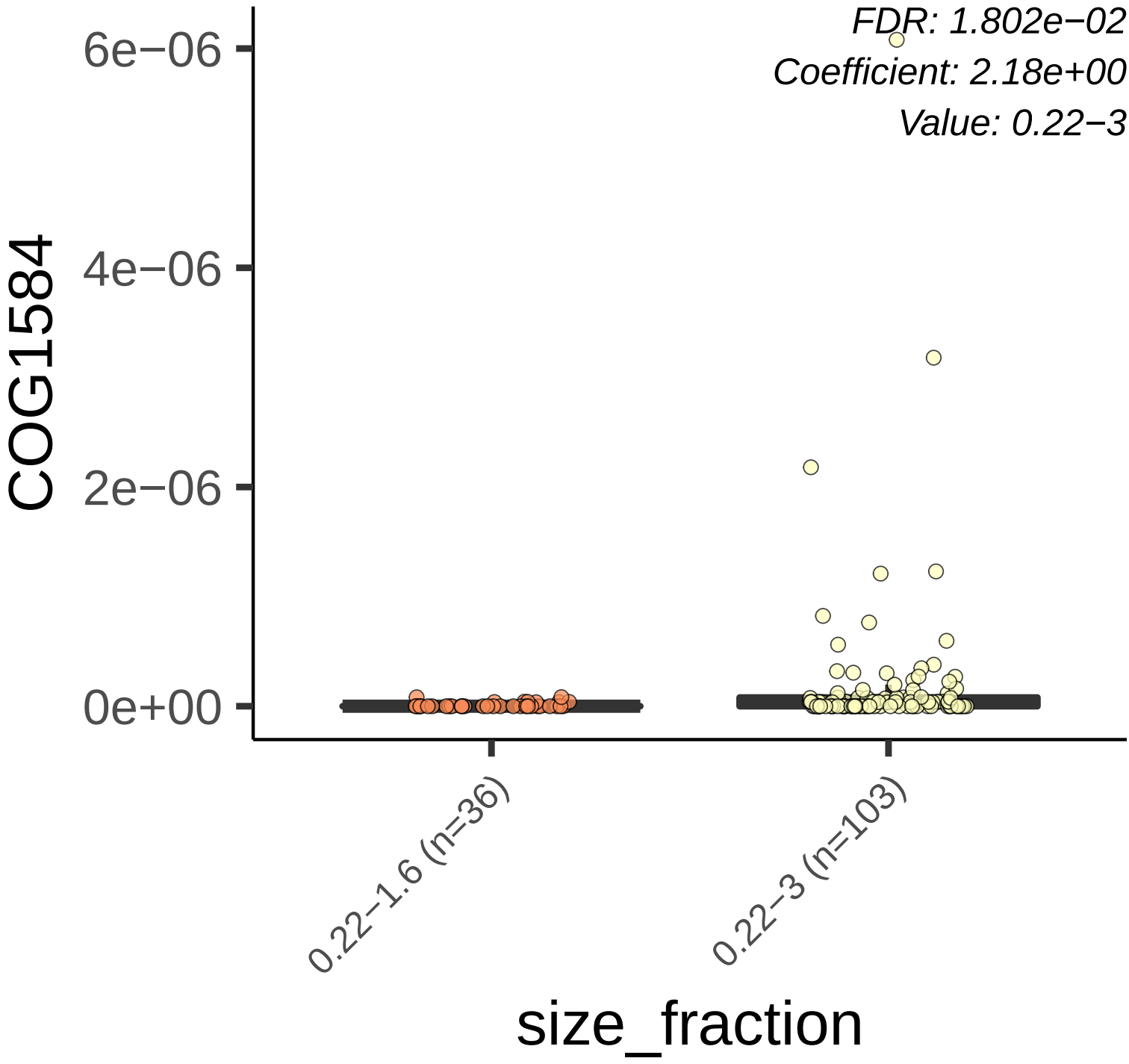

FDR: 1.747e−02
Coefficient: 1.95e+00
Value: 0.22−3
COG4634
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

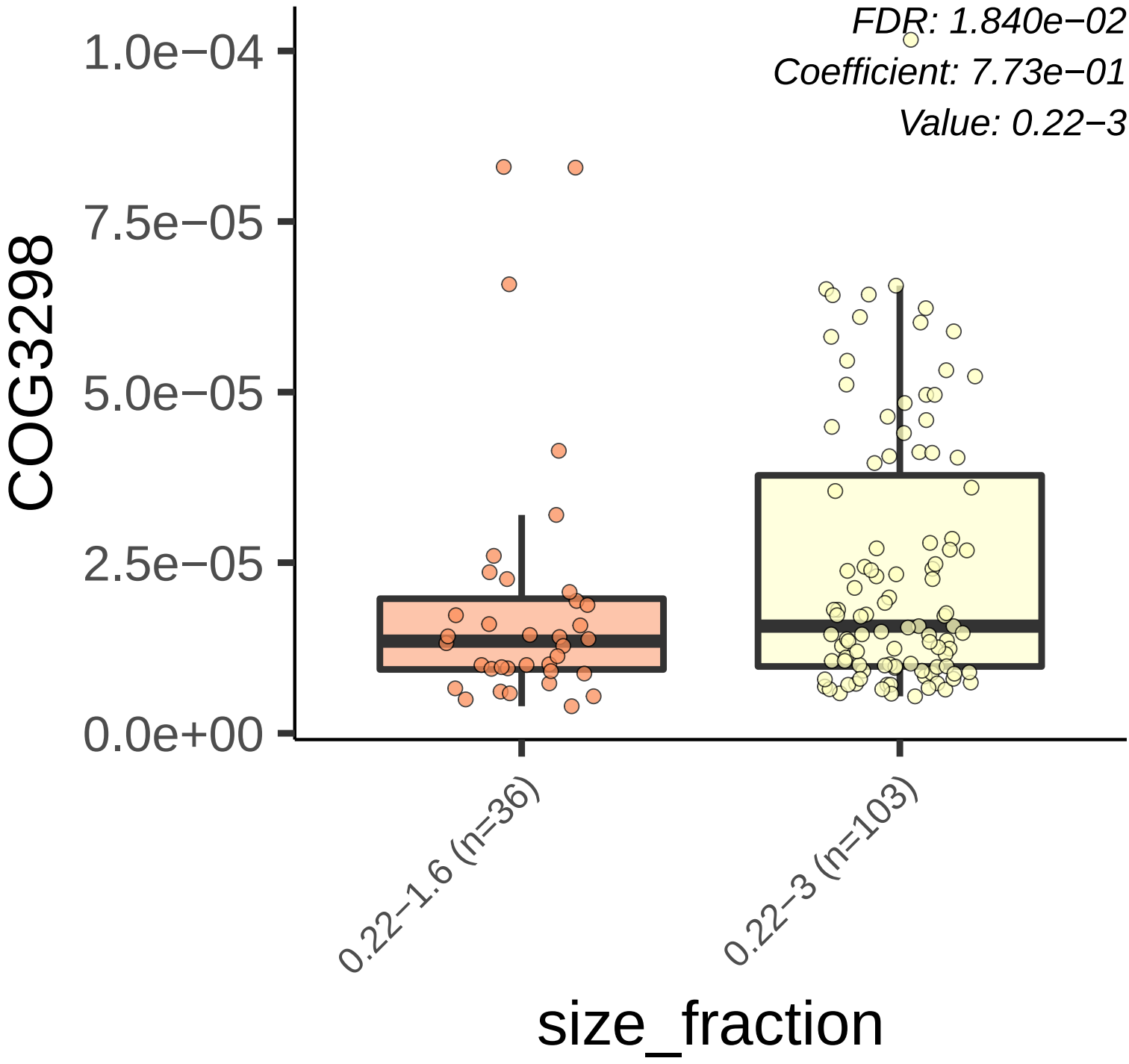

FDR: 1.759e−02
Coefficient: 1.55e+00
Value: 0.22−3
COG3907
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

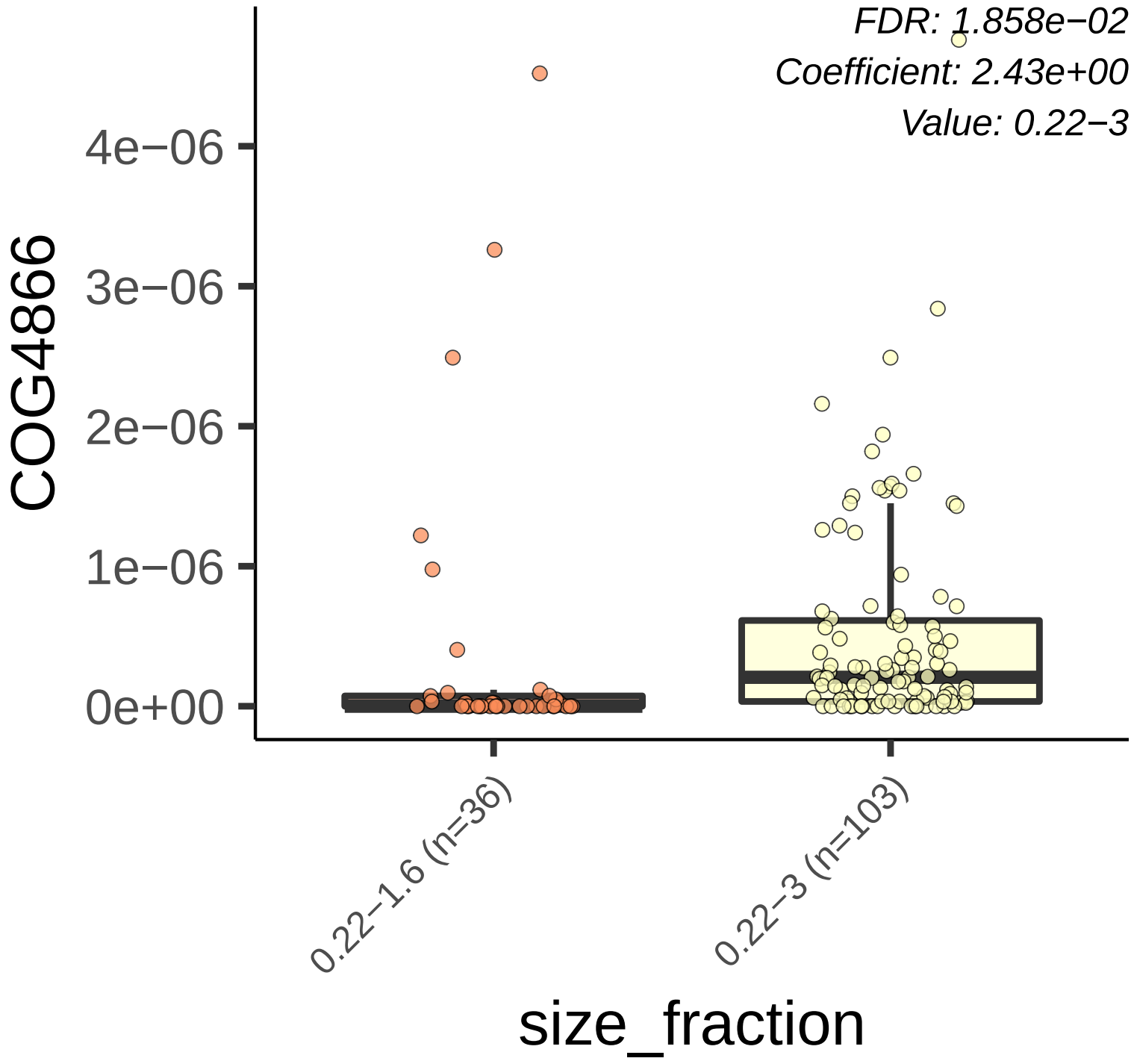

FDR: 1.761e−02
Coefficient: 4.72e−01
Value: 0.22−3
COG3938
0.00016
0.00012
0.00008
0.00004
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

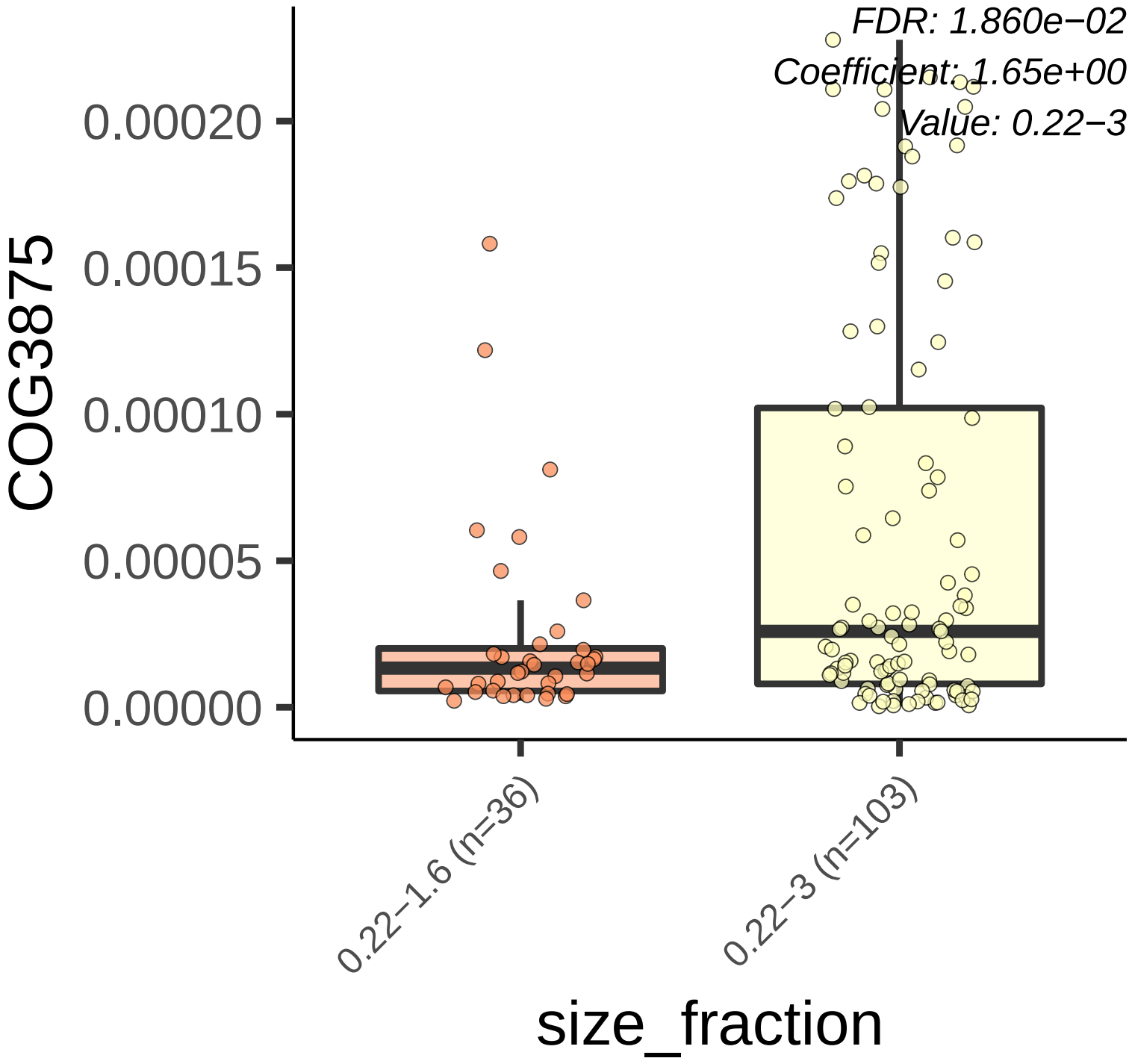

FDR: 1.768e−02
Coefficient: 1.22e+00
Value: 0.22−3
COG1646
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

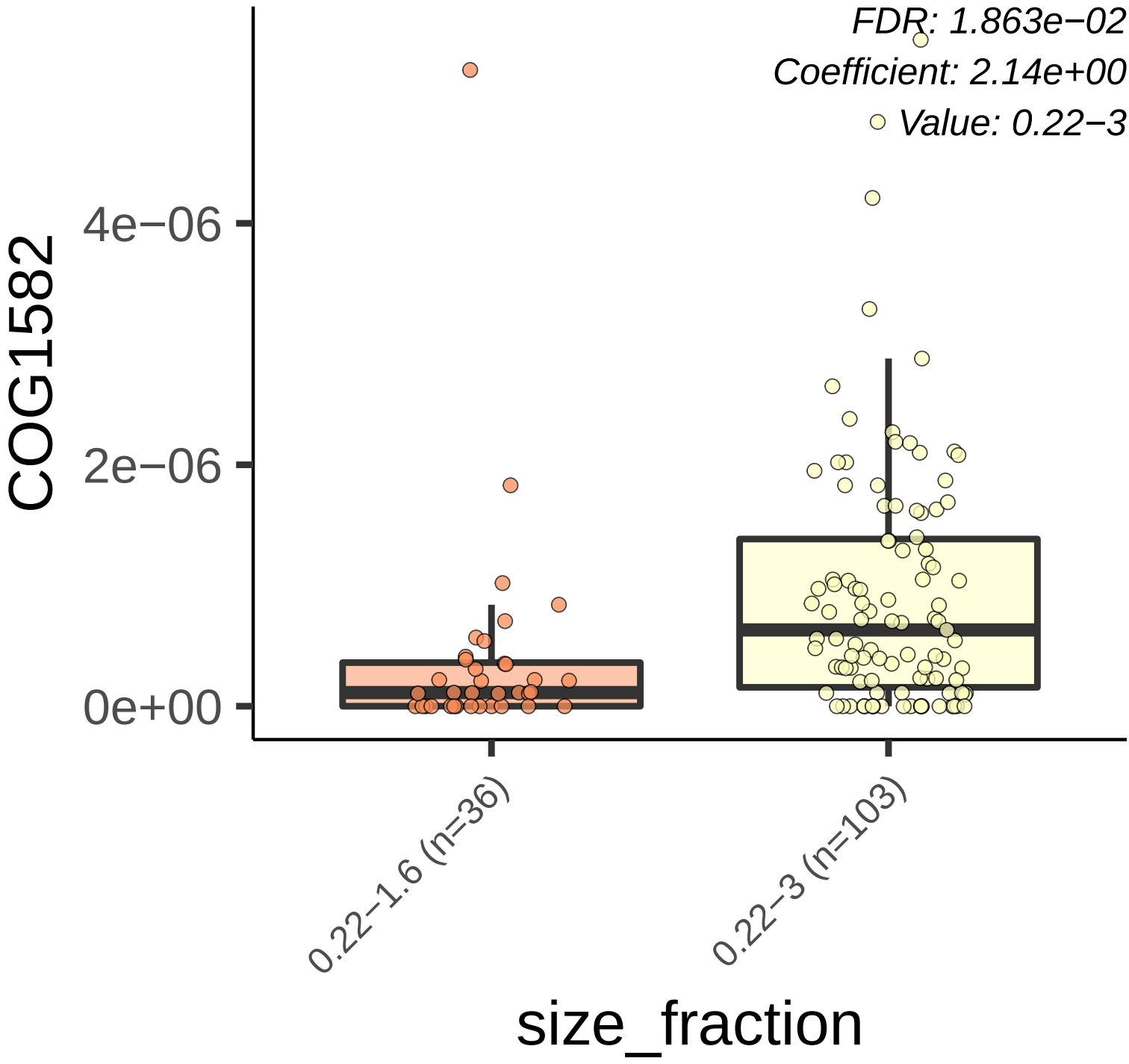

FDR: 1.785e−02
Coefficient: 4.01e+00
Value: 0.22−3
COG1958
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

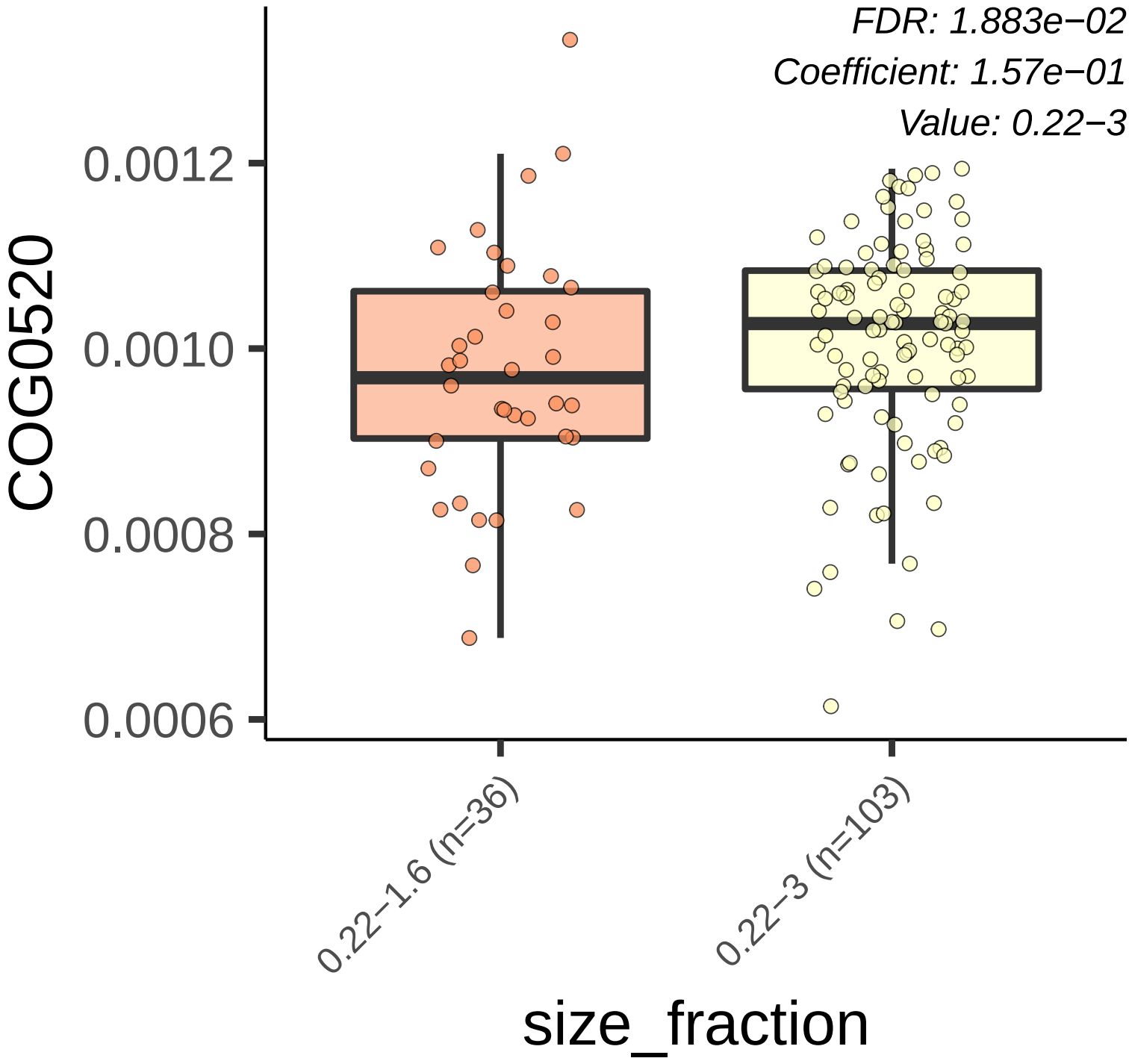

FDR: 1.802e−02
Coefficient: 2.18e+00
Value: 0.22−3
COG1584
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

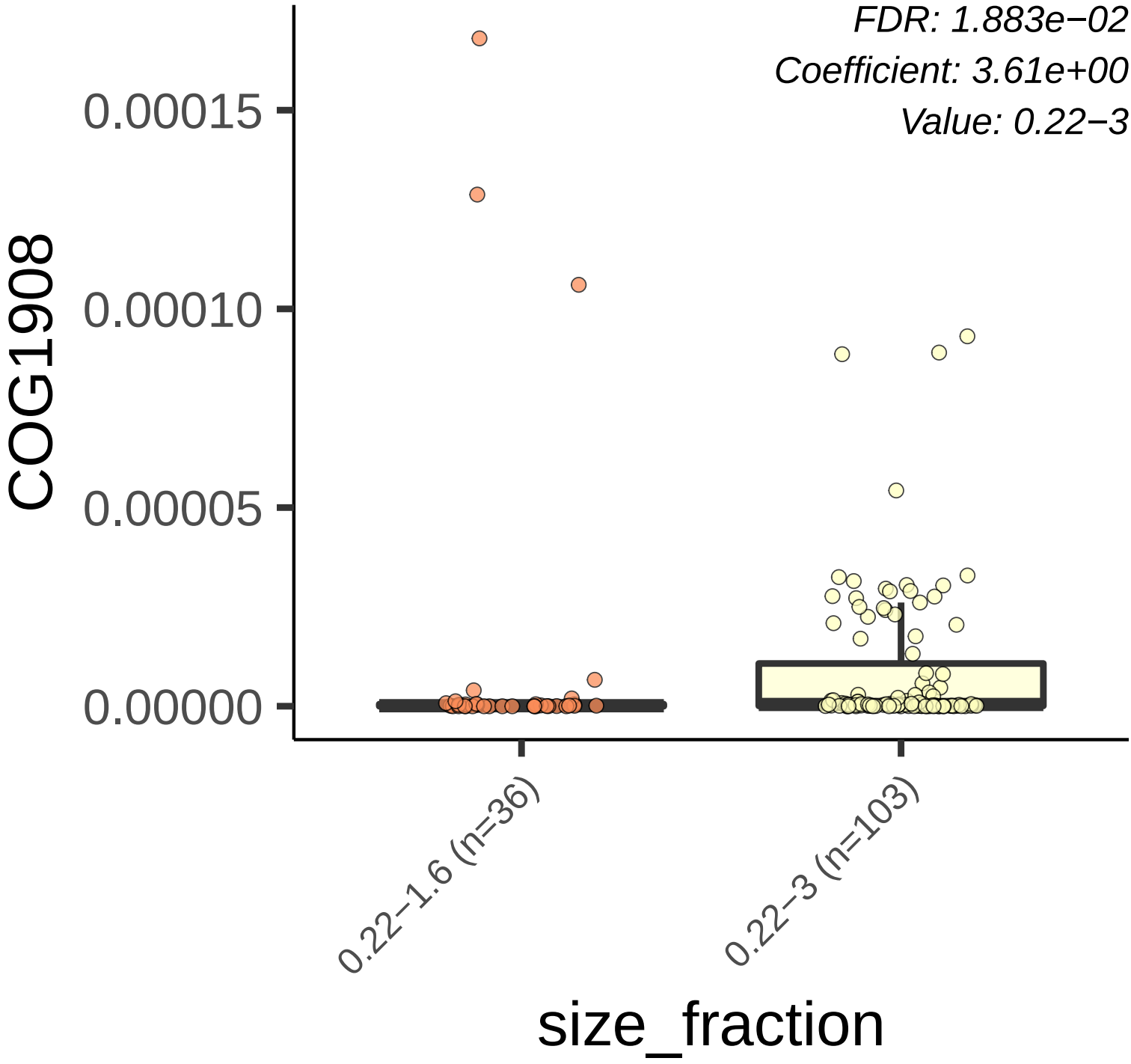

FDR: 1.840e−02
Coefficient: 7.73e−01
Value: 0.22−3
COG3298
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

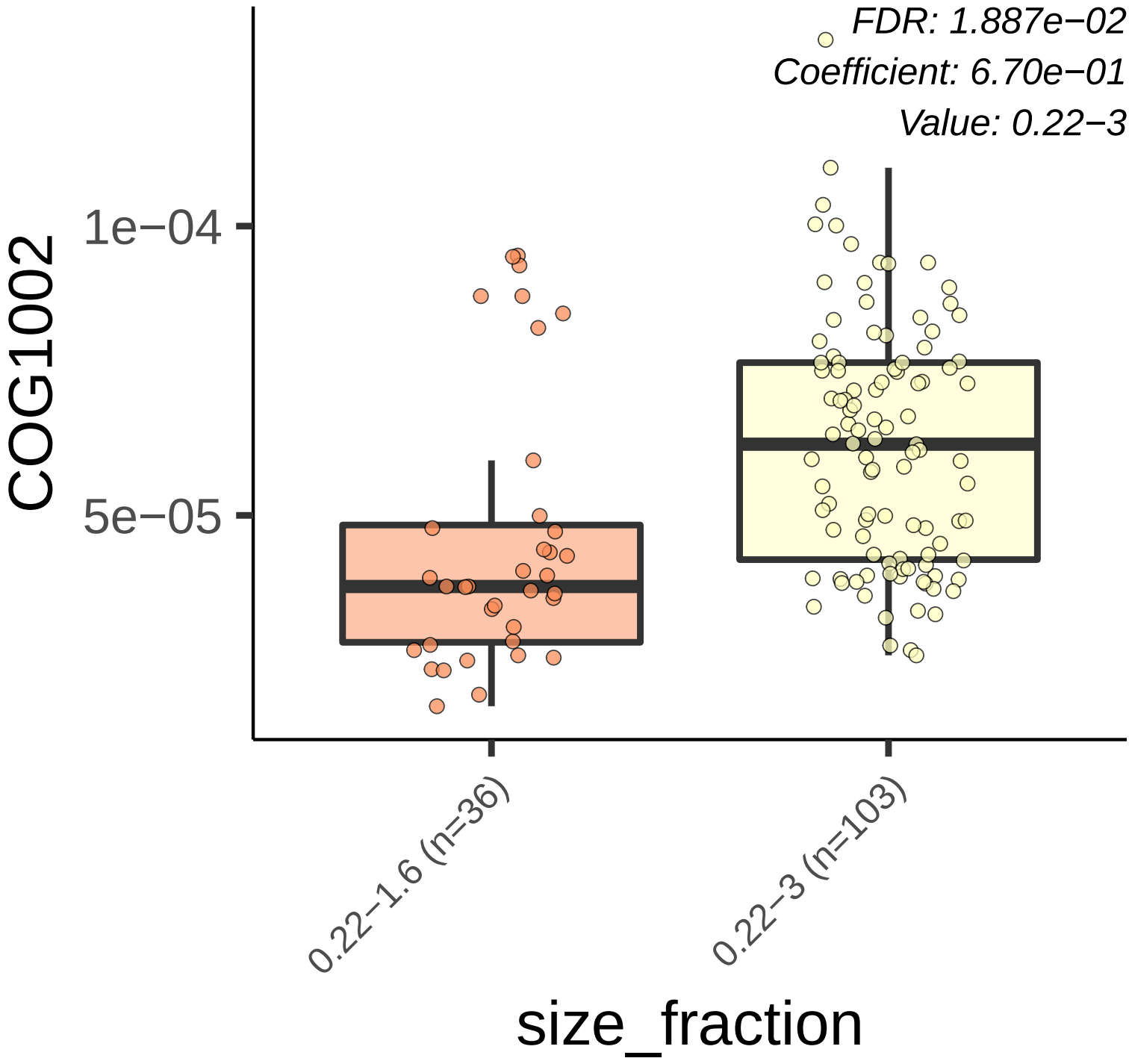

FDR: 1.858e−02
Coefficient: 2.43e+00
Value: 0.22−3
COG4866
4e−06
3e−06
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

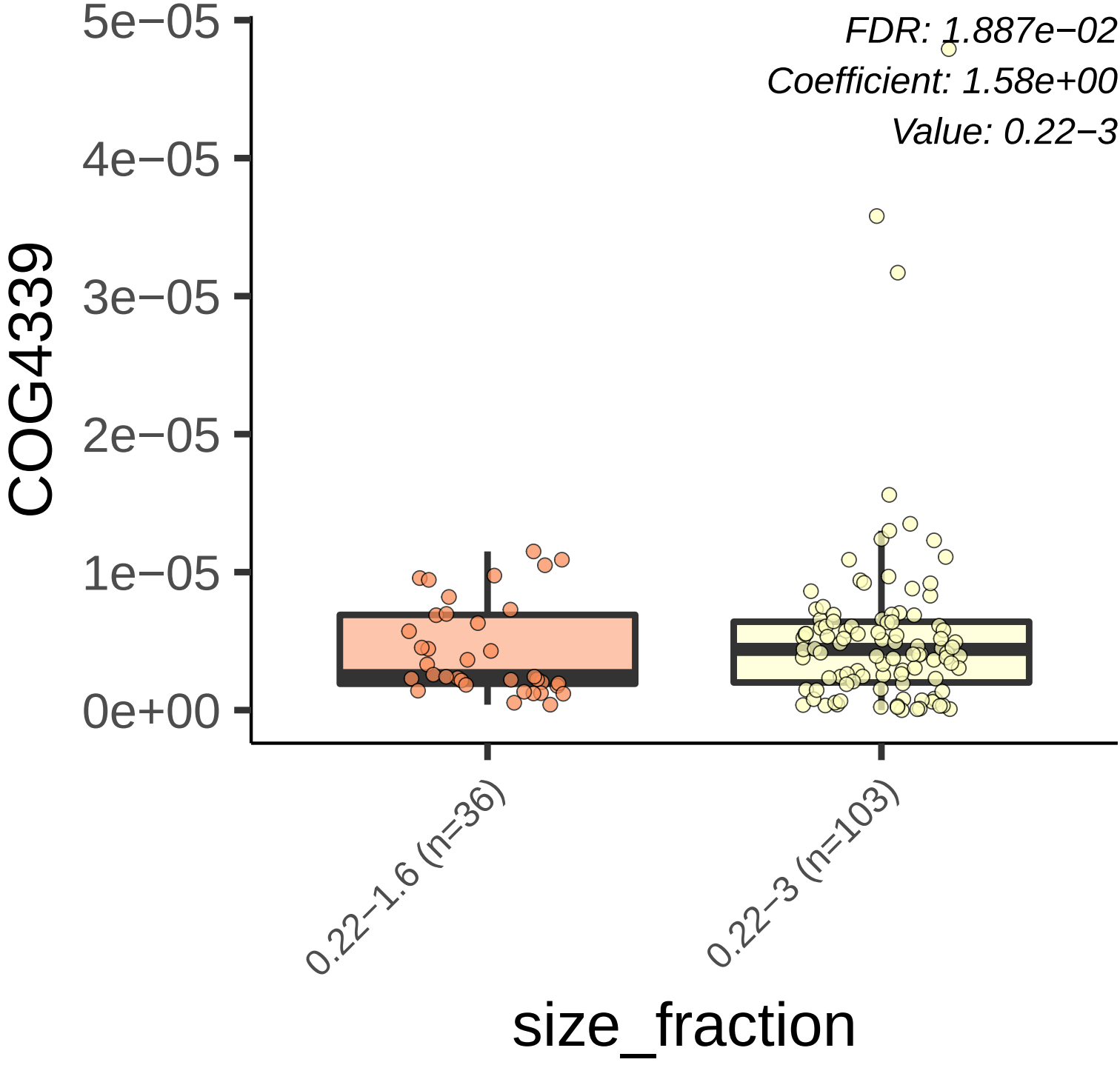

FDR: 1.860e−02
Coefficient: 1.65e+00
Value: 0.22−3
COG3875
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

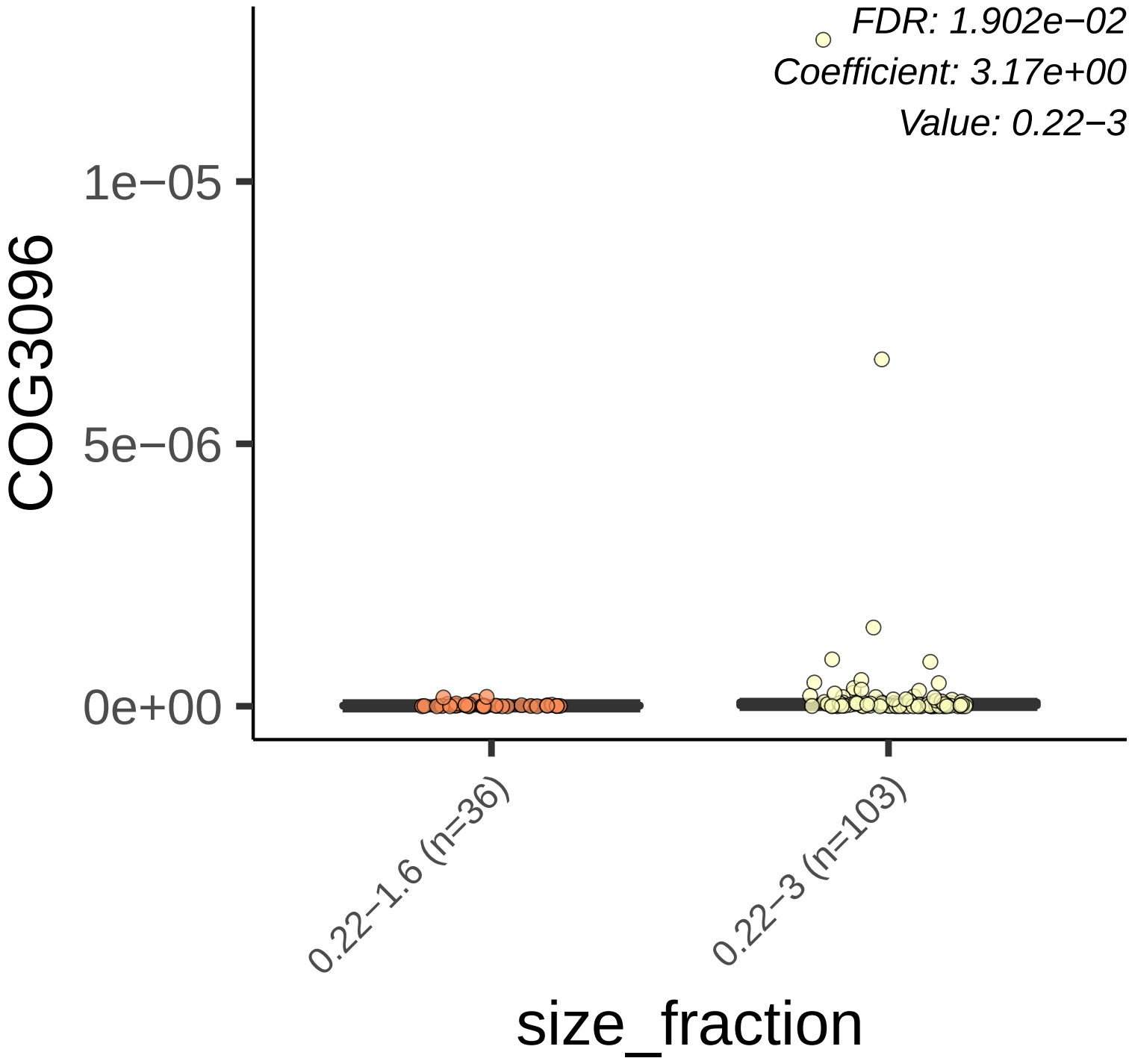

FDR: 1.863e−02
Coefficient: 2.14e+00
Value: 0.22−3
COG1582
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

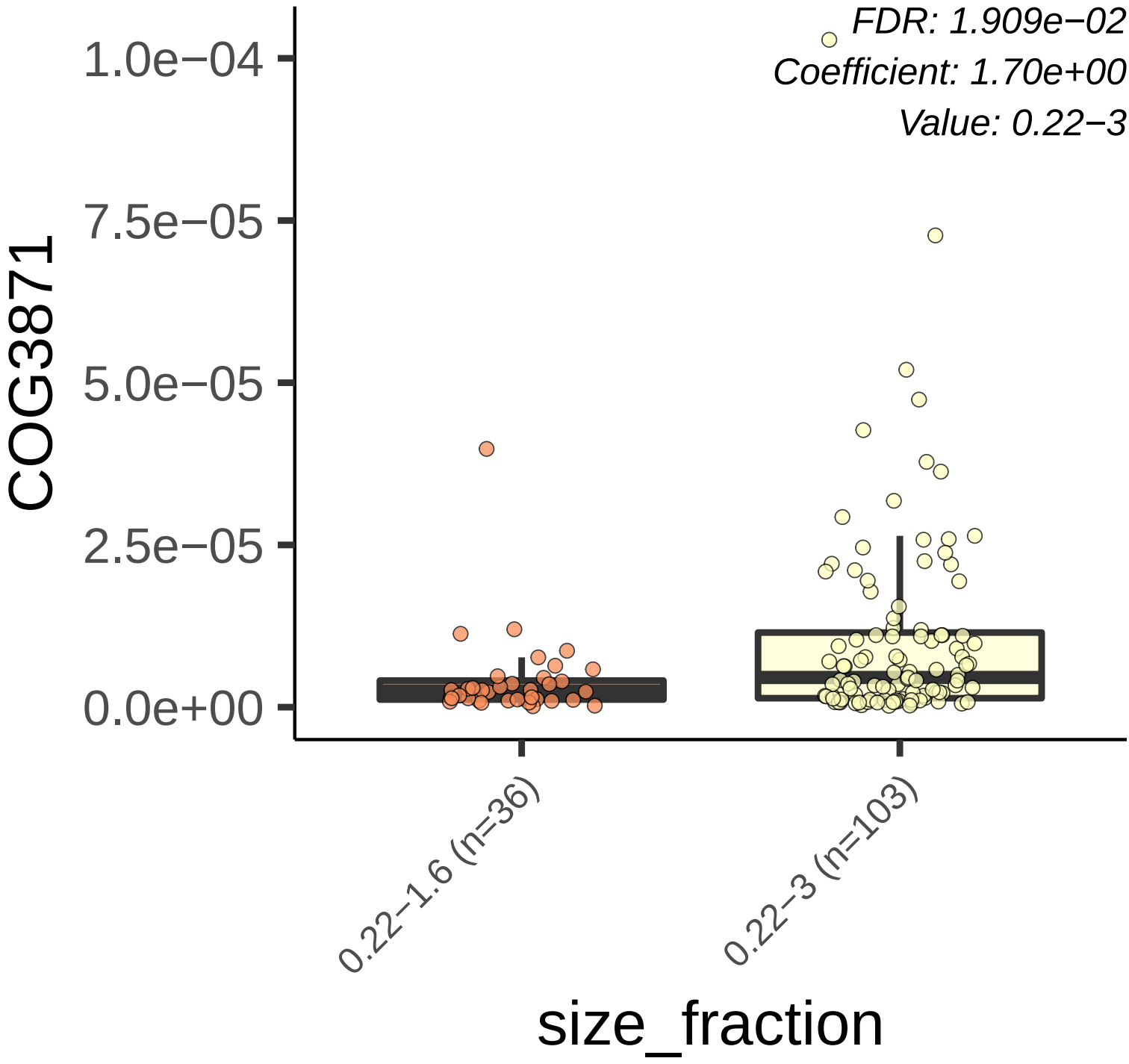

FDR: 1.883e−02
Coefficient: 1.57e−01
Value: 0.22−3
COG0520
0.0012
0.0010
0.0008
0.0006
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

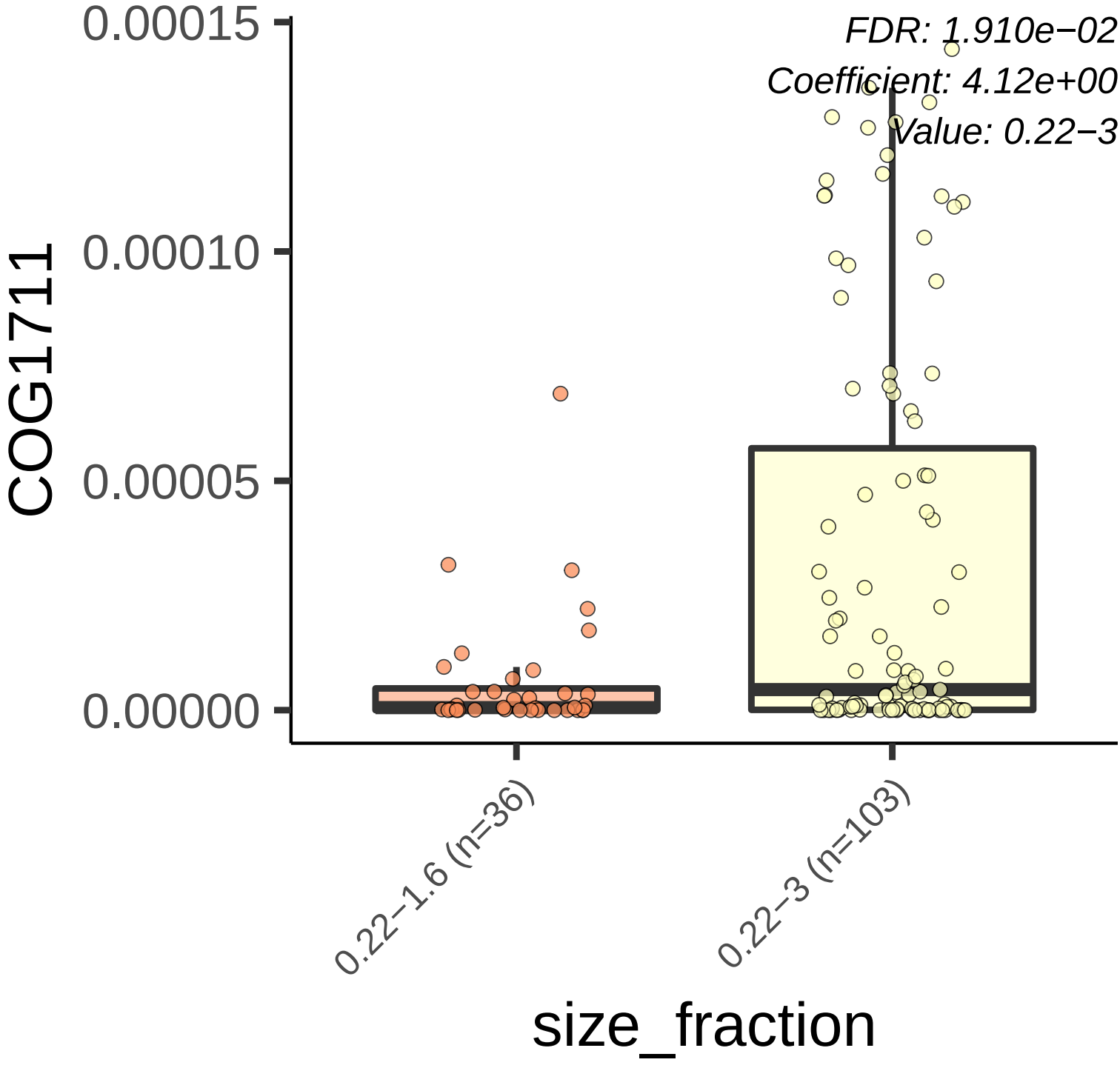

FDR: 1.883e−02
Coefficient: 3.61e+00
Value: 0.22−3
COG1908
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

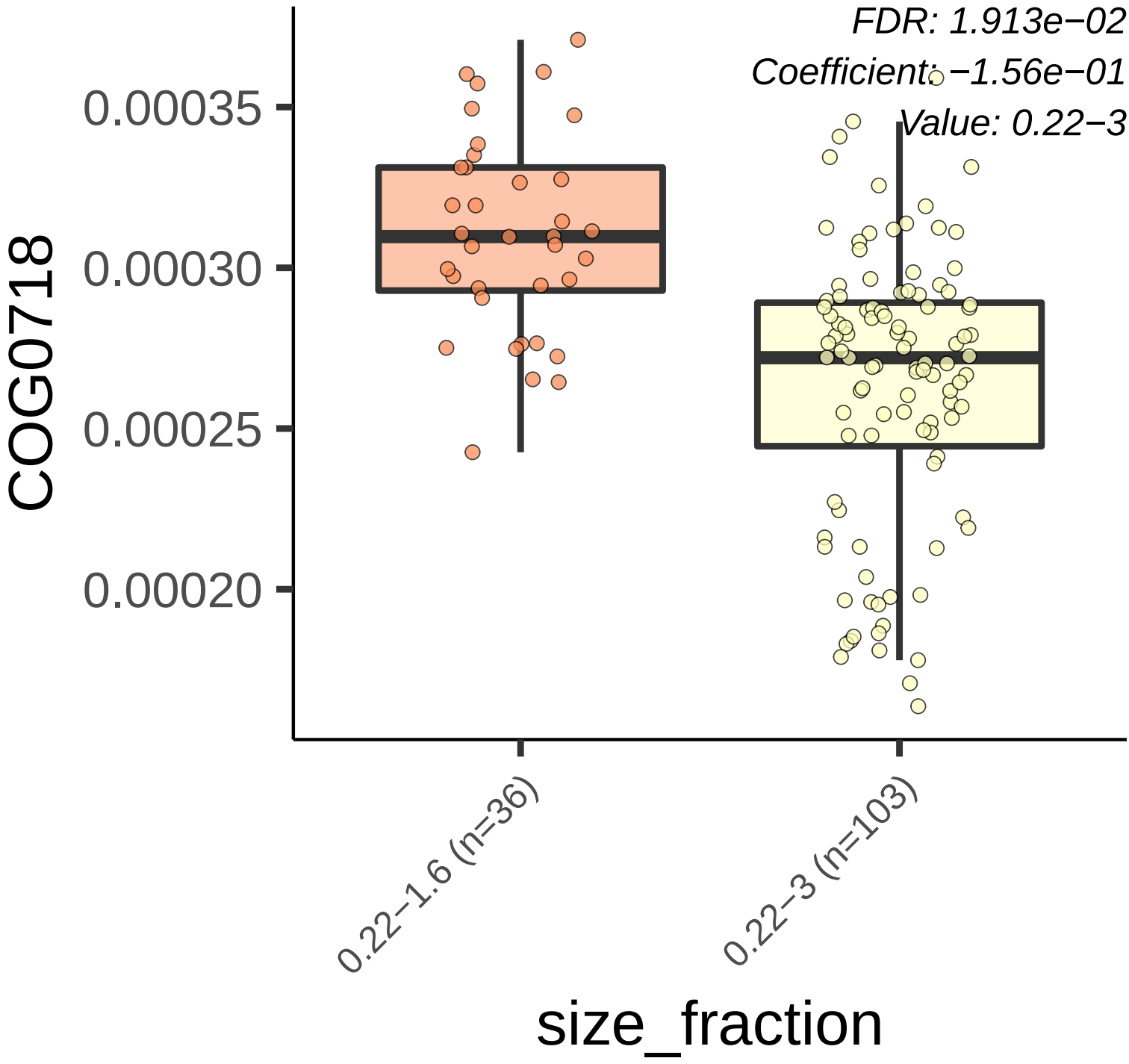

FDR: 1.887e−02
Coefficient: 6.70e−01
Value: 0.22−3
COG1002
1e−04
5e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

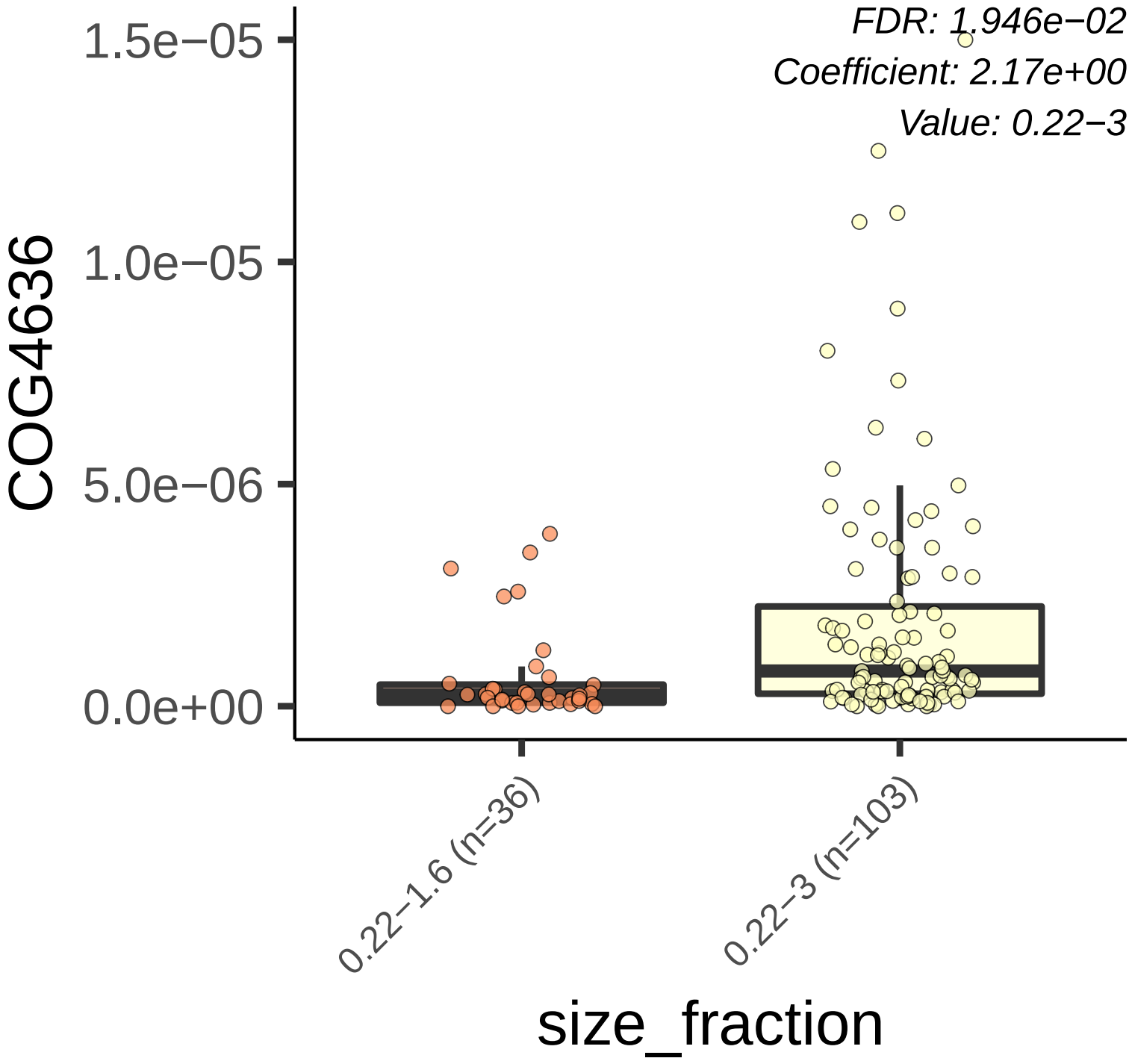

FDR: 1.887e−02
Coefficient: 1.58e+00
Value: 0.22−3
COG4339
5e−05
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

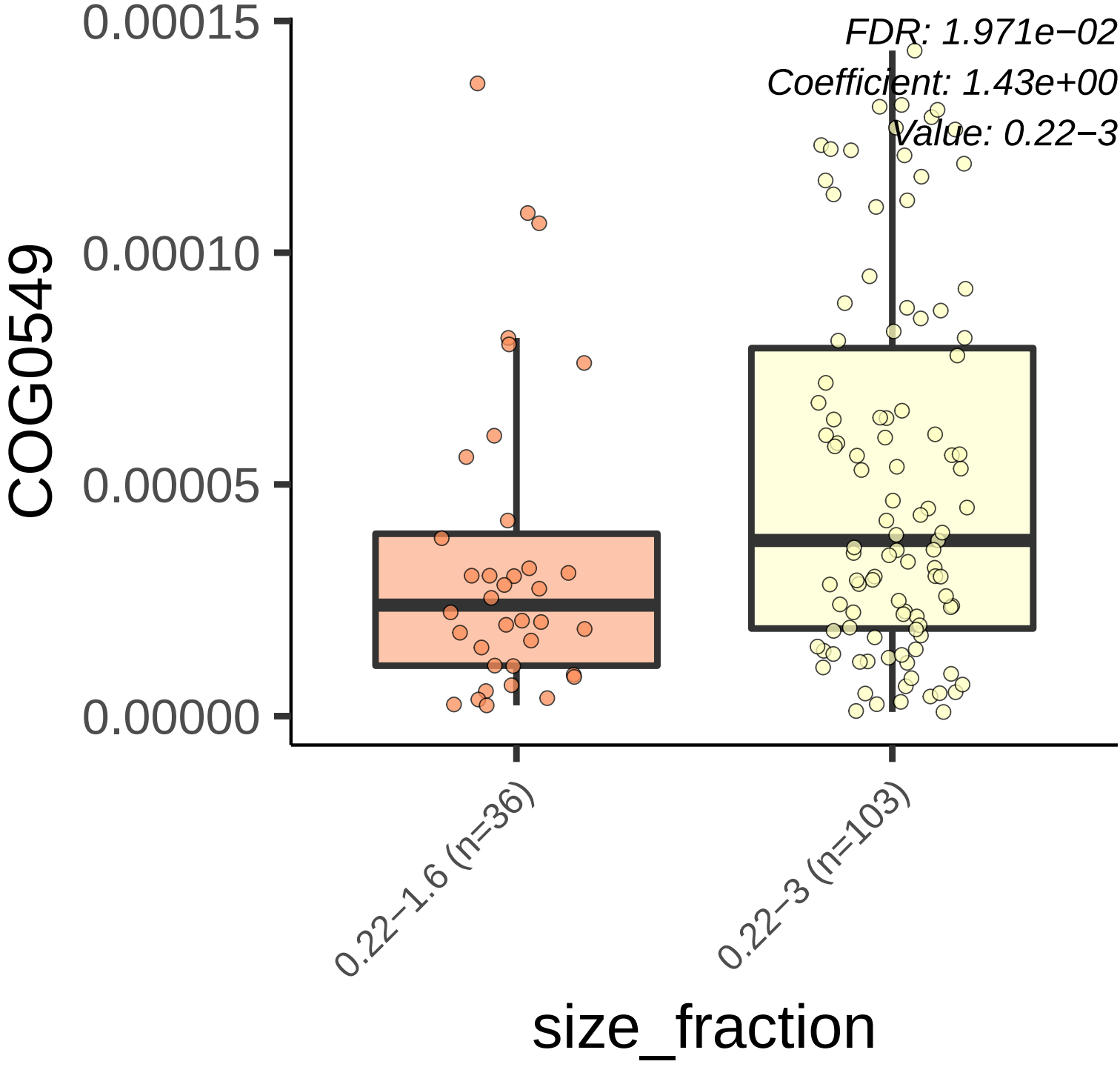

FDR: 1.902e−02
Coefficient: 3.17e+00
Value: 0.22−3
COG3096
1e−05
5e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

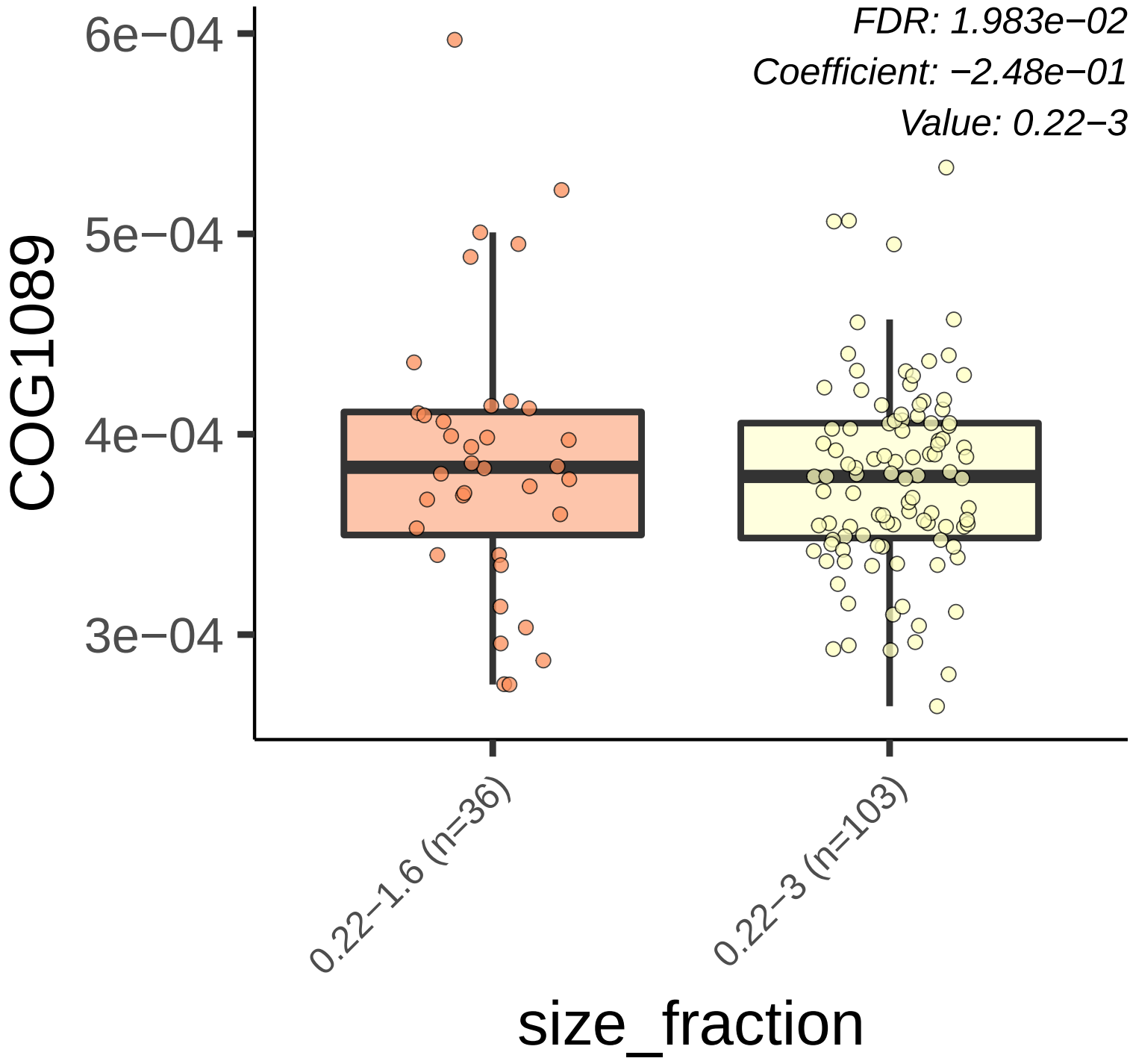

FDR: 1.909e−02
Coefficient: 1.70e+00
Value: 0.22−3
COG3871
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

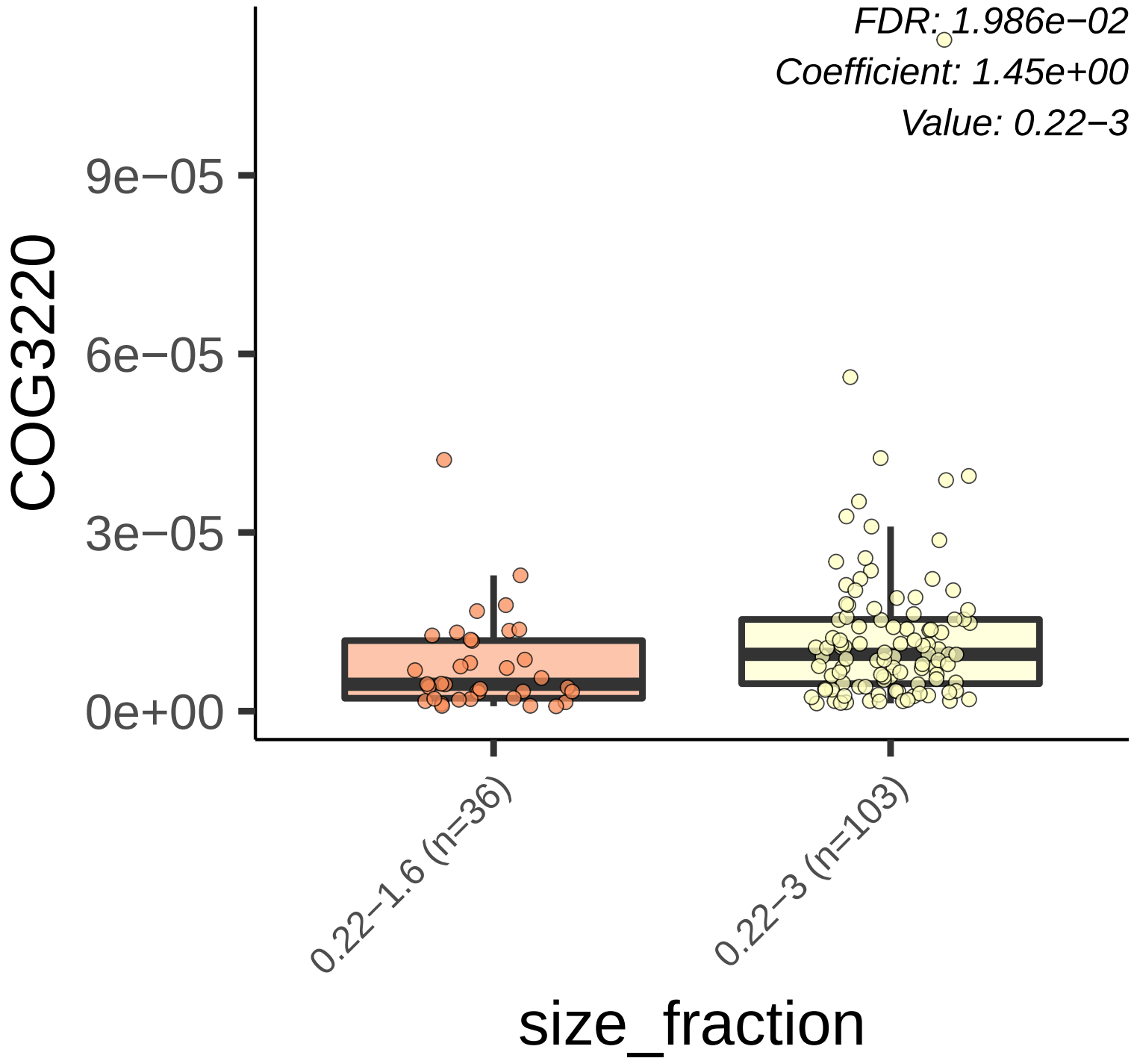

FDR: 1.910e−02
Coefficient: 4.12e+00
Value: 0.22−3
COG1711
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

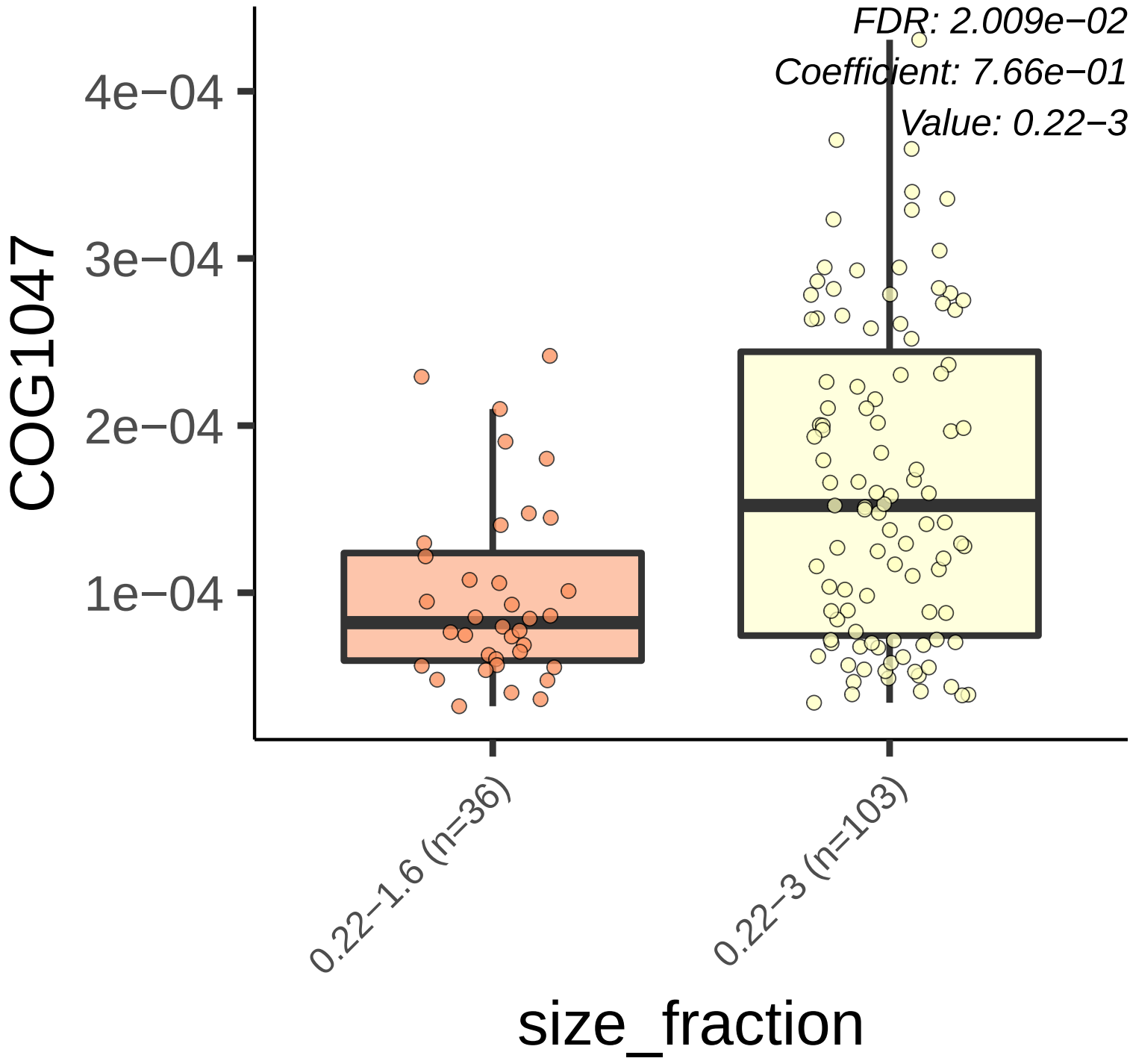

FDR: 1.913e−02
Coefficient: −1.56e−01
Value: 0.22−3
COG0718
0.00035
0.00030
0.00025
0.00020
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

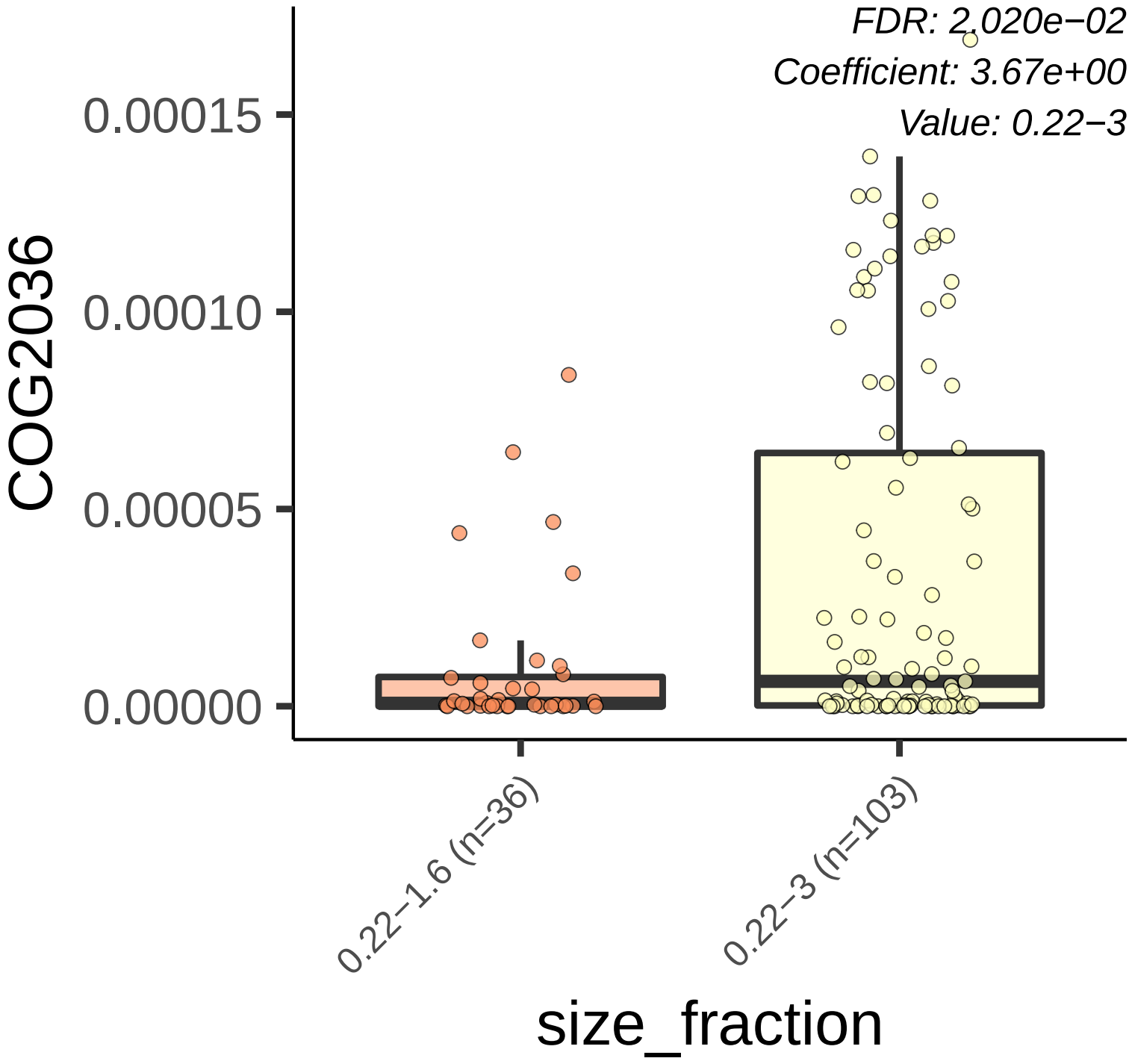

FDR: 1.946e−02
Coefficient: 2.17e+00
Value: 0.22−3
COG4636
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

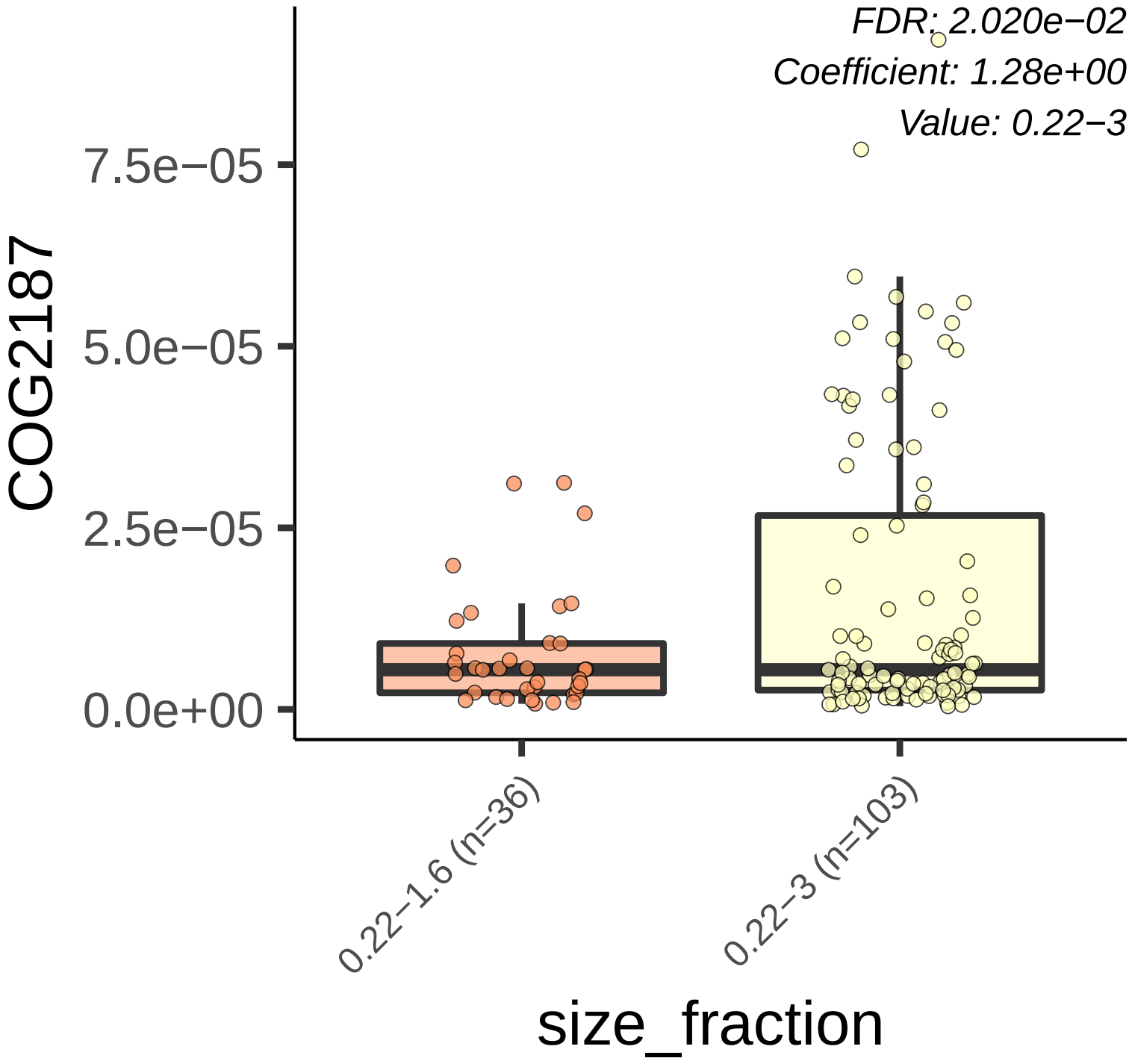

FDR: 1.971e−02
Coefficient: 1.43e+00
Value: 0.22−3
COG0549
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

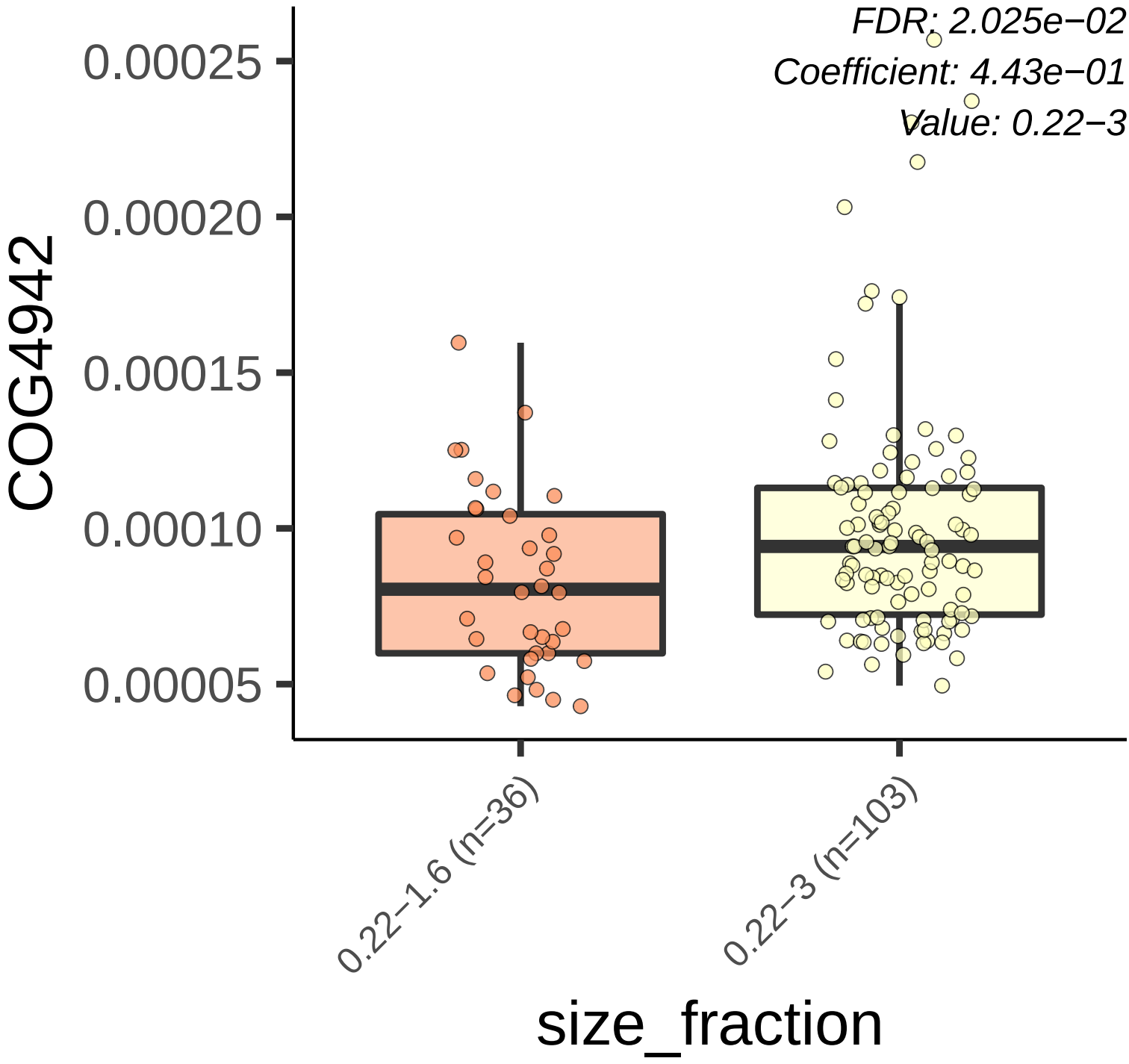

FDR: 1.983e−02
Coefficient: −2.48e−01
Value: 0.22−3
6e−04
5e−04
4e−04
3e−04
COG1089
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

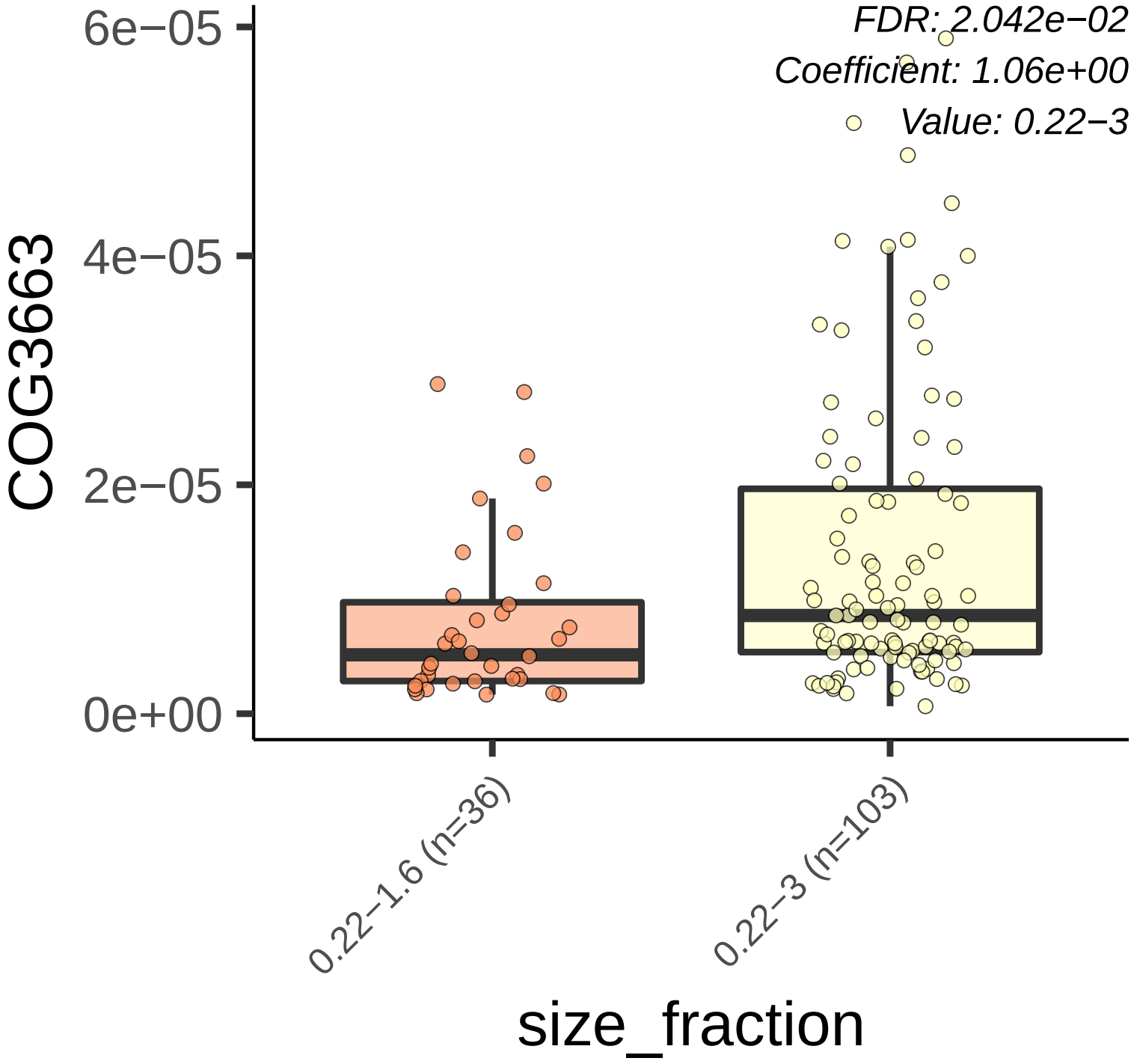

FDR: 1.986e−02
Coefficient: 1.45e+00
Value: 0.22−3
COG3220
9e−05
6e−05
3e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

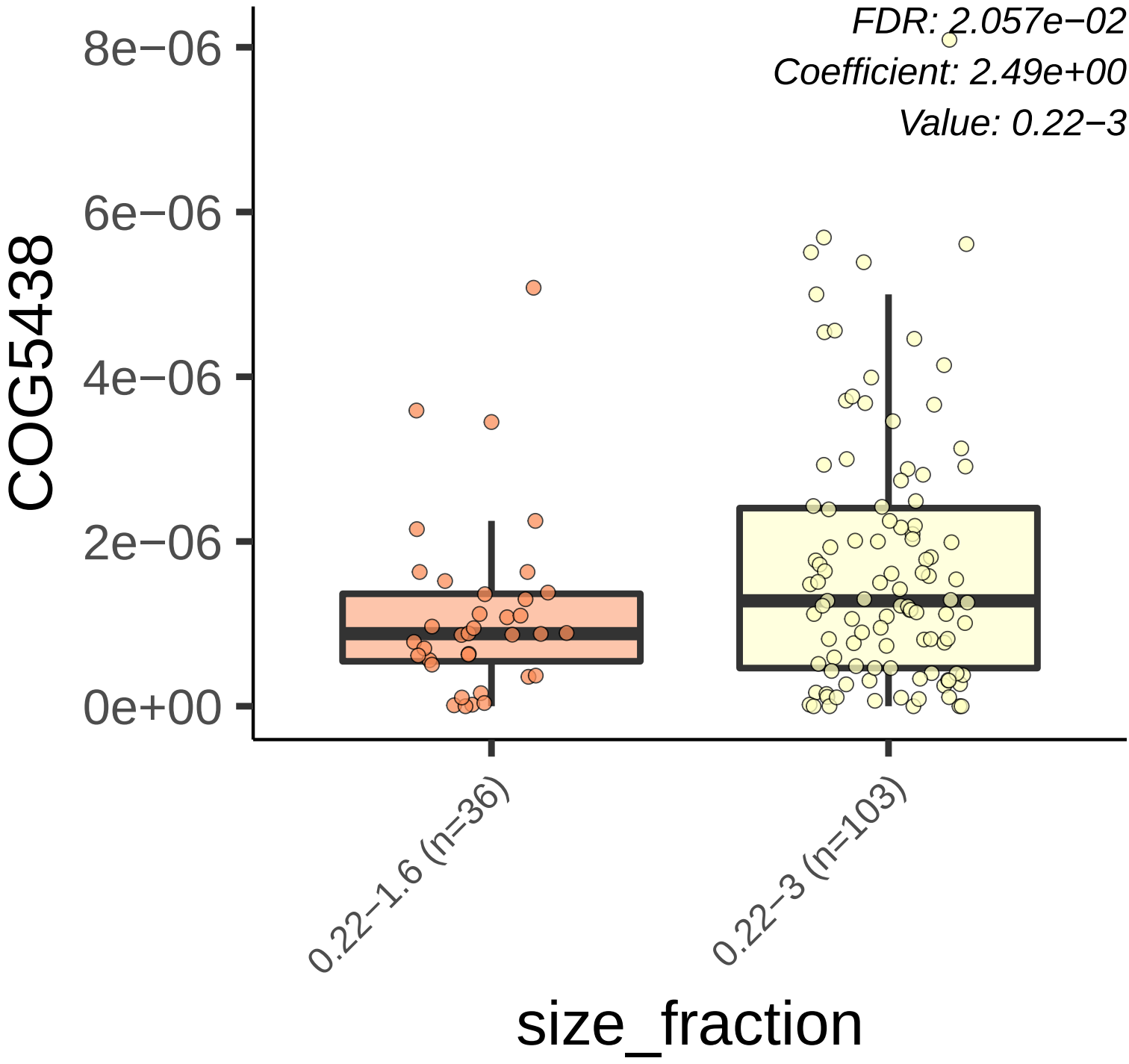

FDR: 2.009e−02
Coefficient: 7.66e−01
Value: 0.22−3
COG1047
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

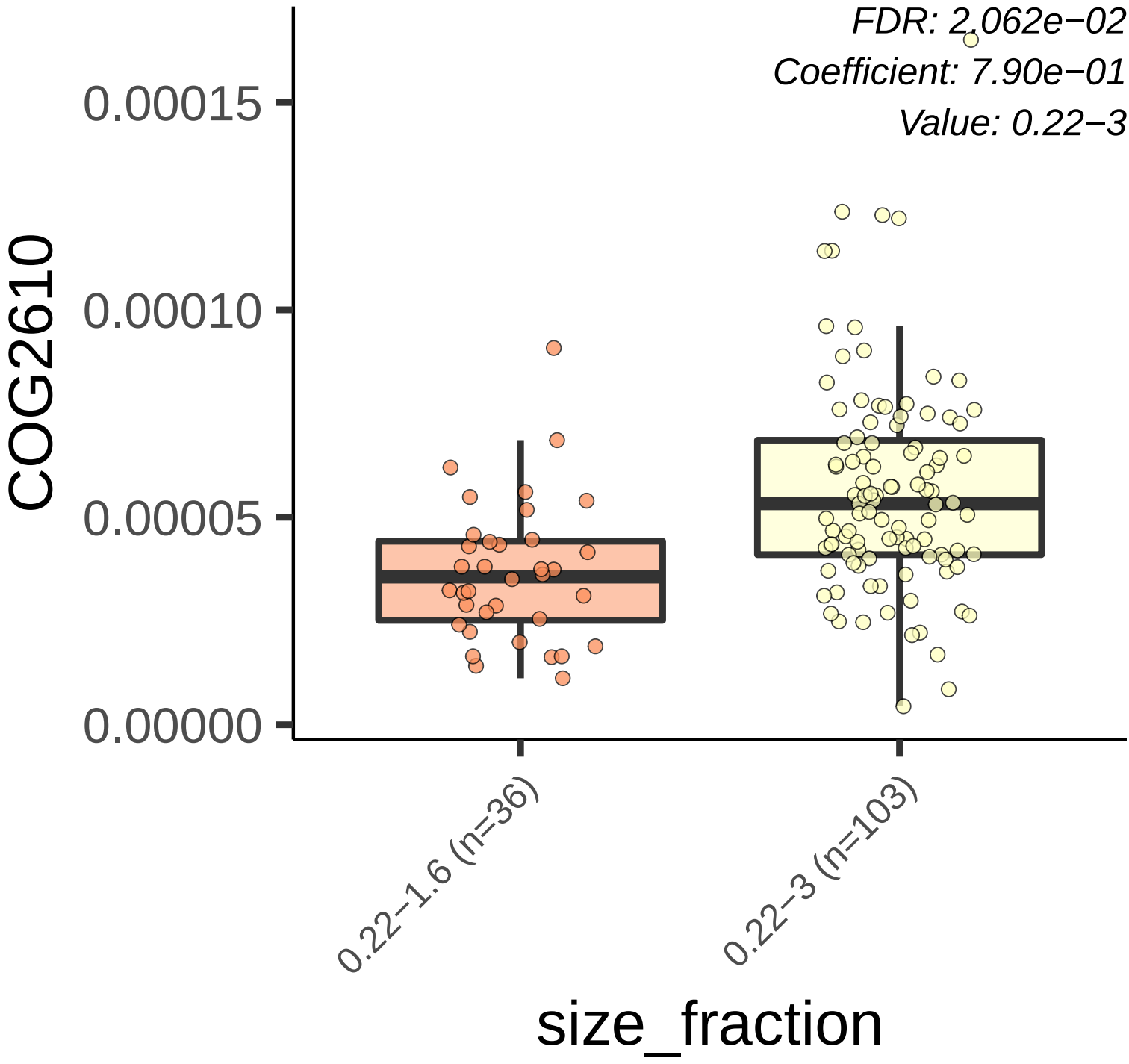

FDR: 2.020e−02
Coefficient: 3.67e+00
Value: 0.22−3
COG2036
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

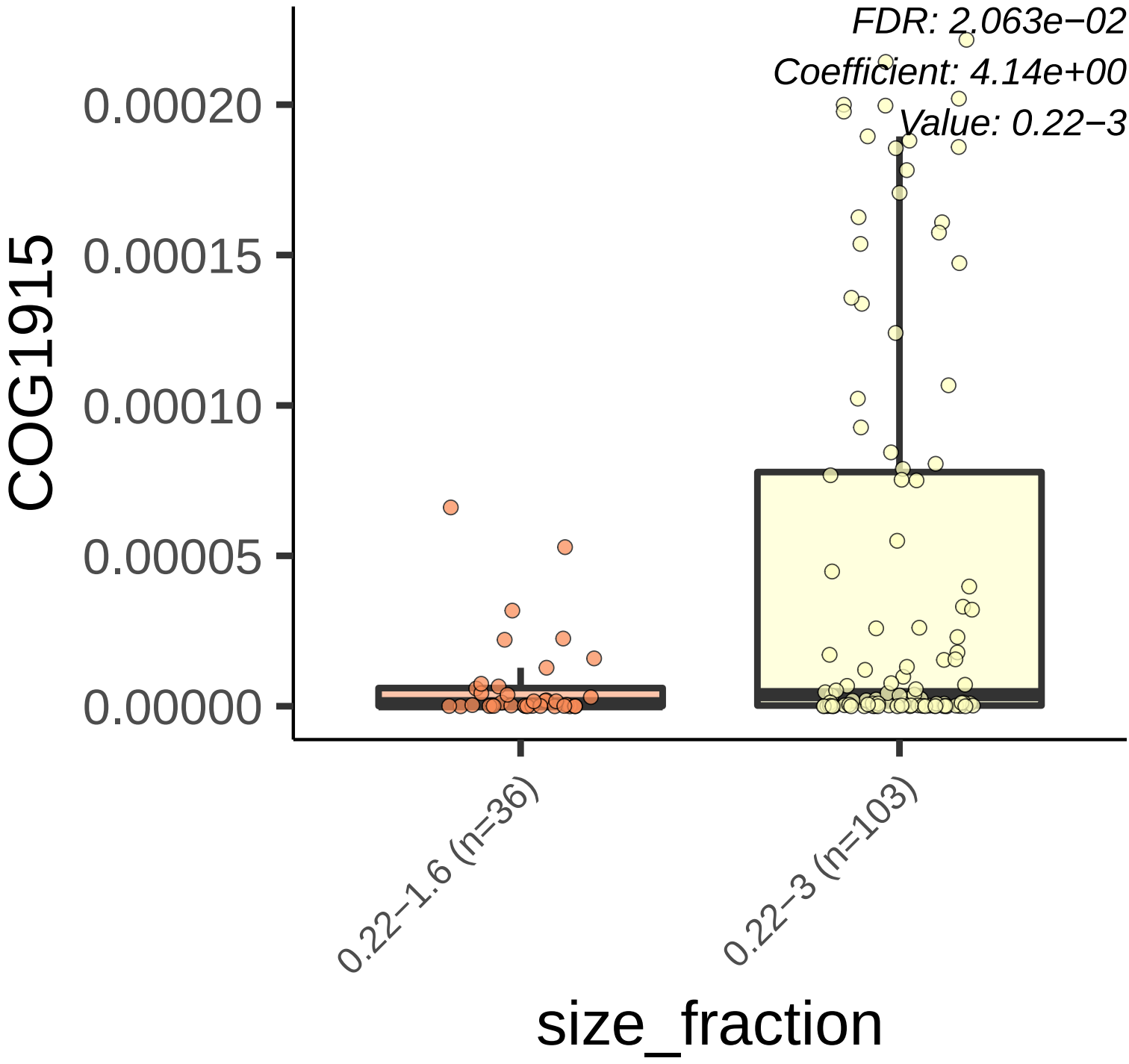

FDR: 2.020e−02
Coefficient: 1.28e+00
Value: 0.22−3
COG2187
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

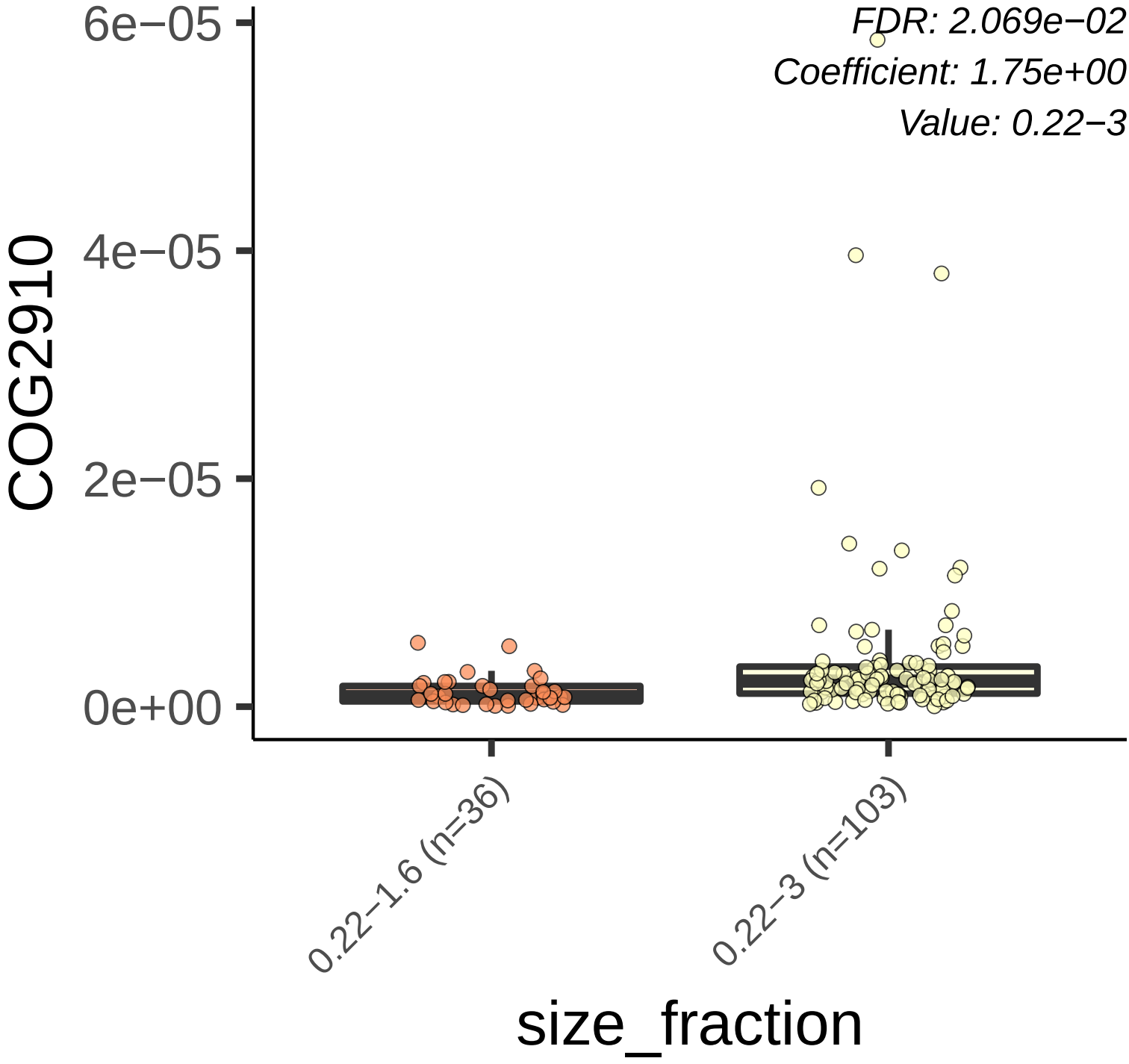

FDR: 2.025e−02
Coefficient: 4.43e−01
Value: 0.22−3
COG4942
0.00025
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

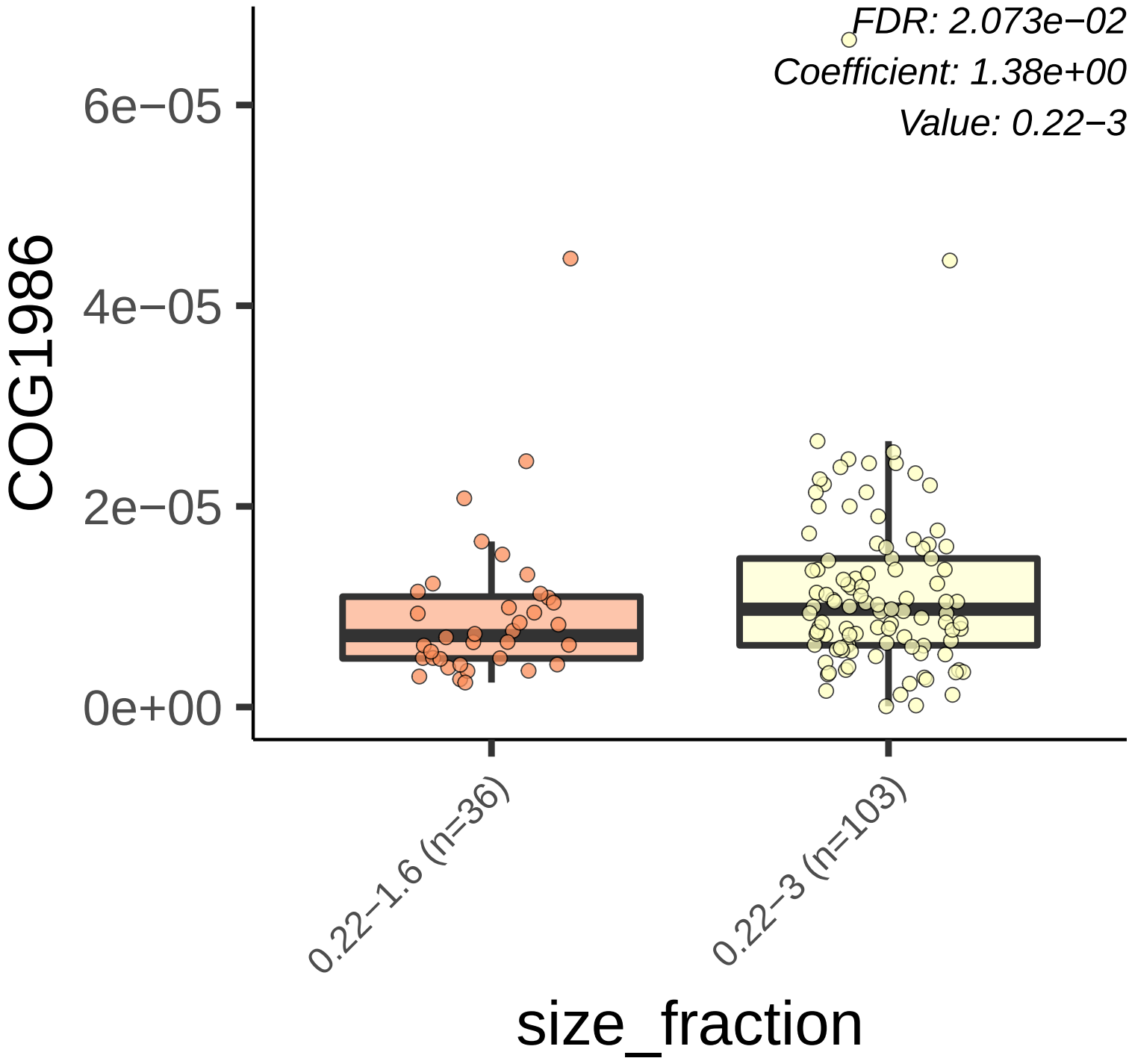

FDR: 2.042e−02
Coefficient: 1.06e+00
Value: 0.22−3
COG3663
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

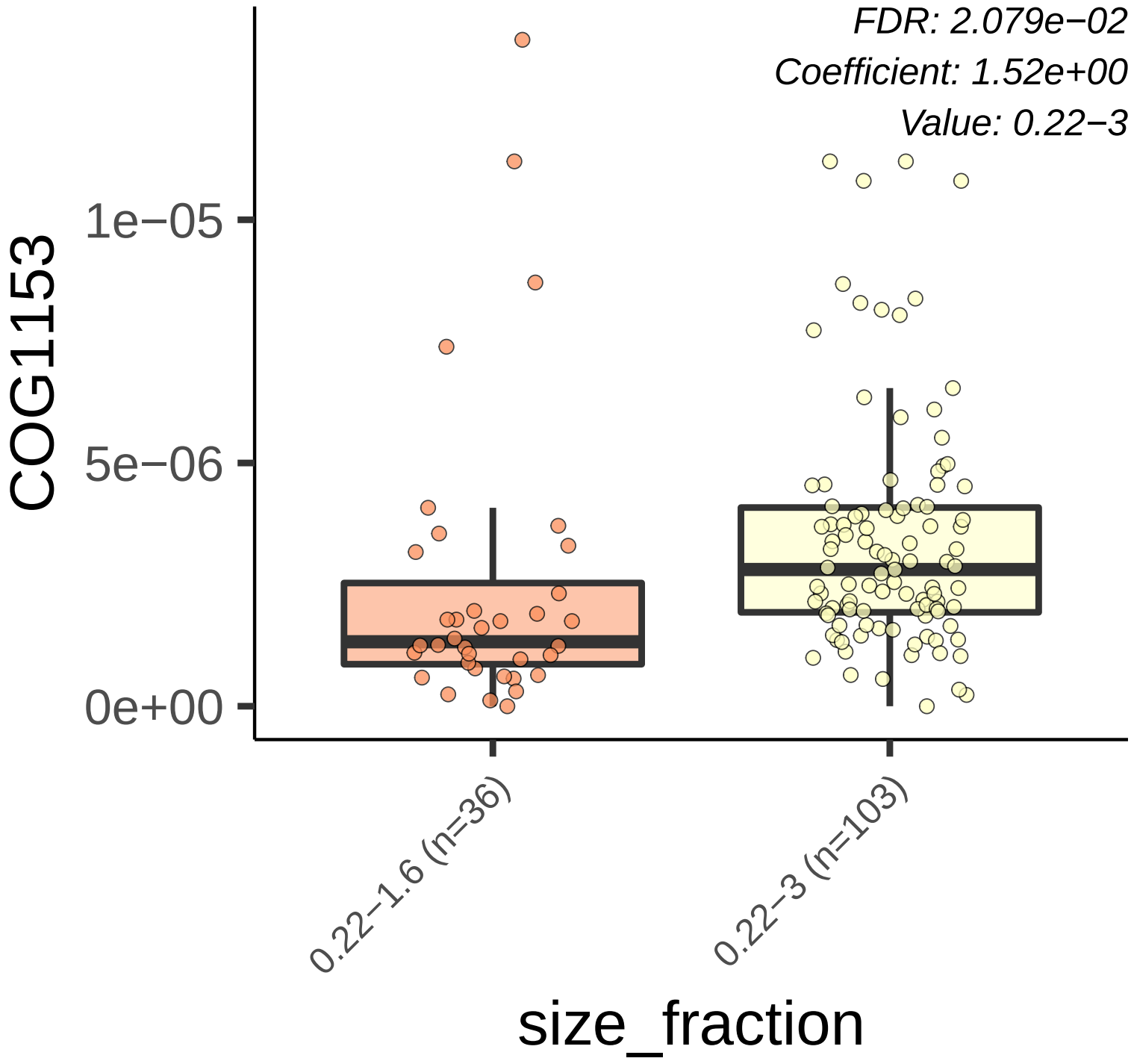

FDR: 2.057e−02
Coefficient: 2.49e+00
Value: 0.22−3
COG5438
8e−06
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

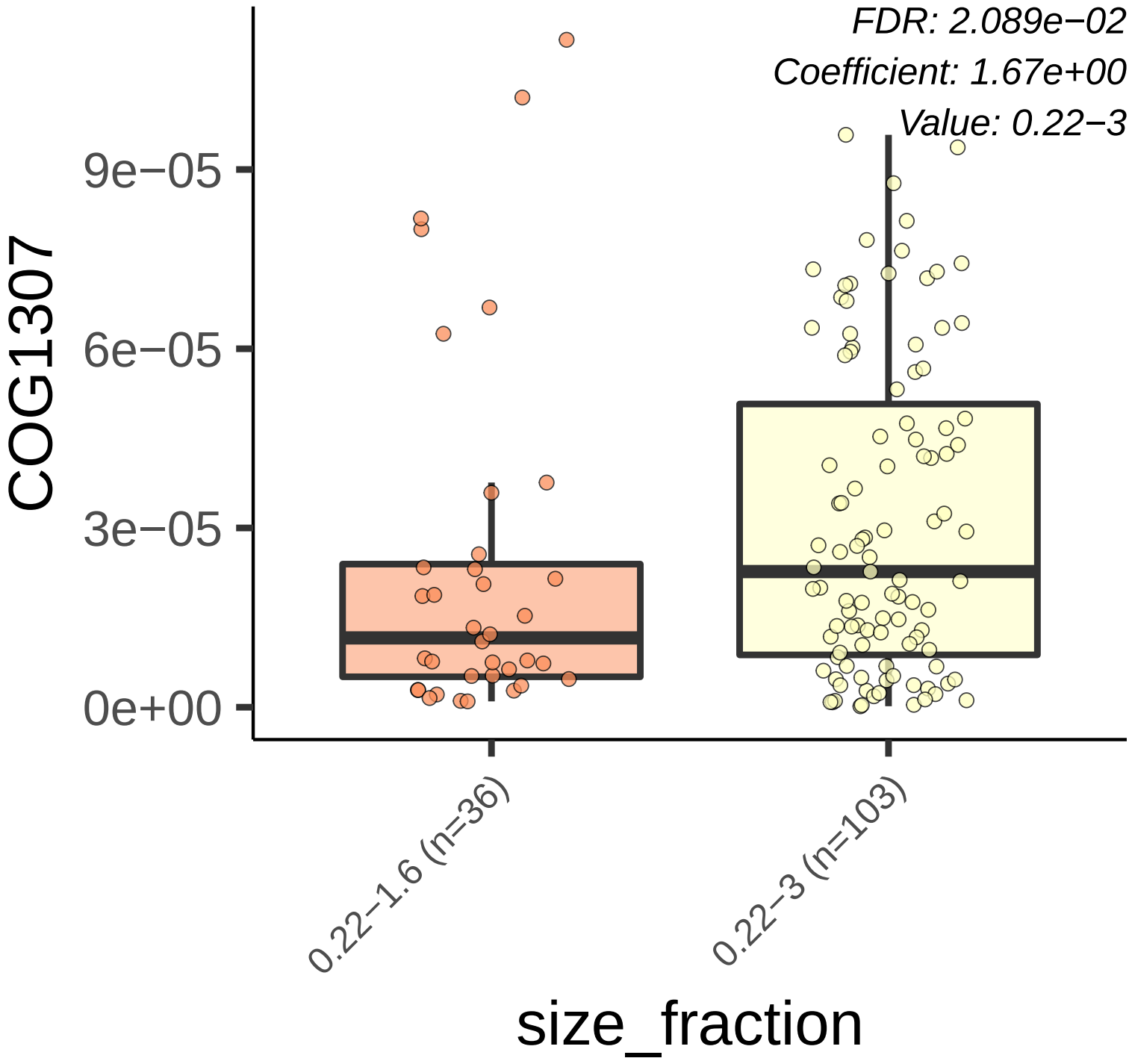

FDR: 2.062e−02
Coefficient: 7.90e−01
Value: 0.22−3
COG2610
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

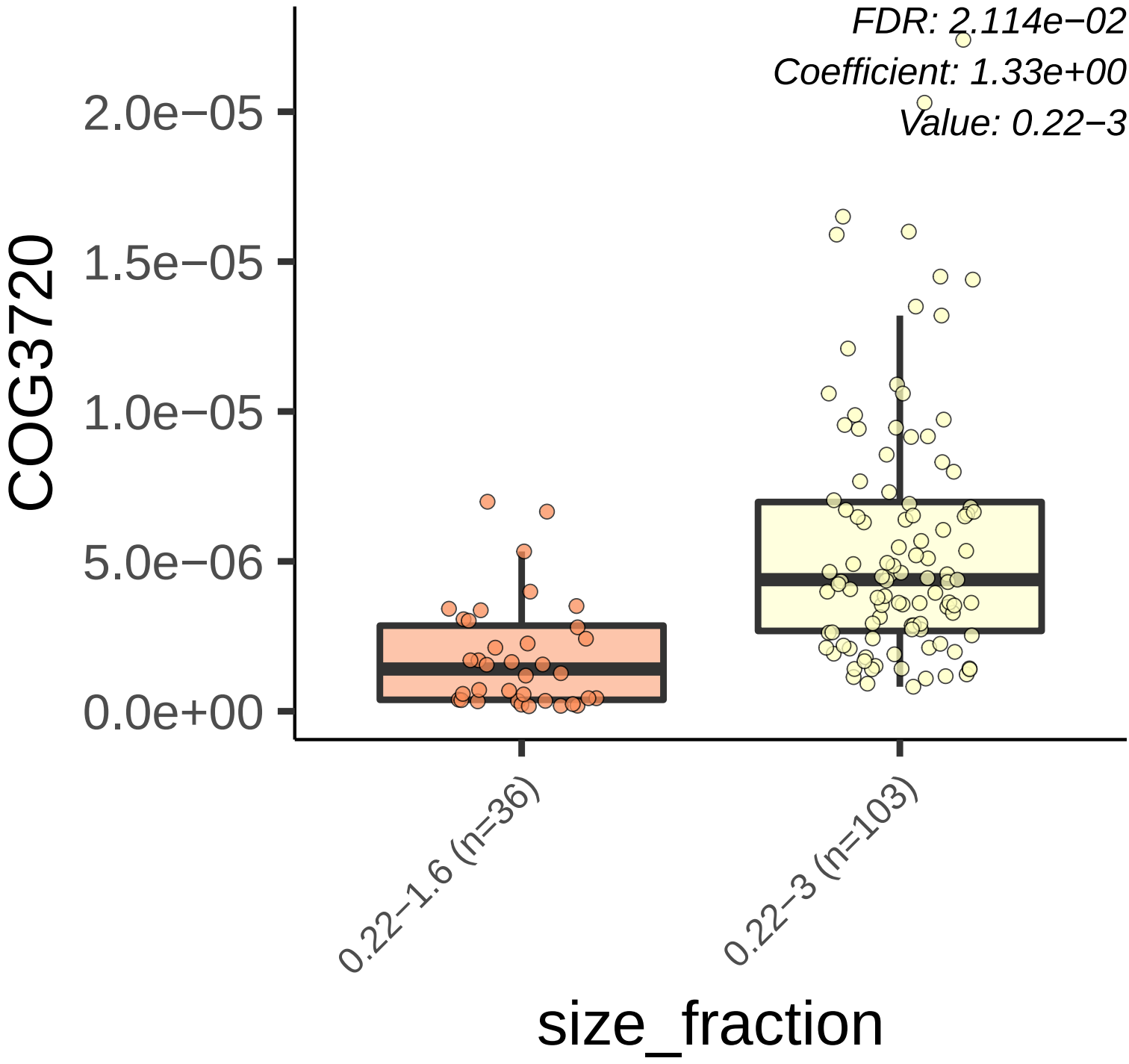

FDR: 2.063e−02
Coefficient: 4.14e+00
Value: 0.22−3
COG1915
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

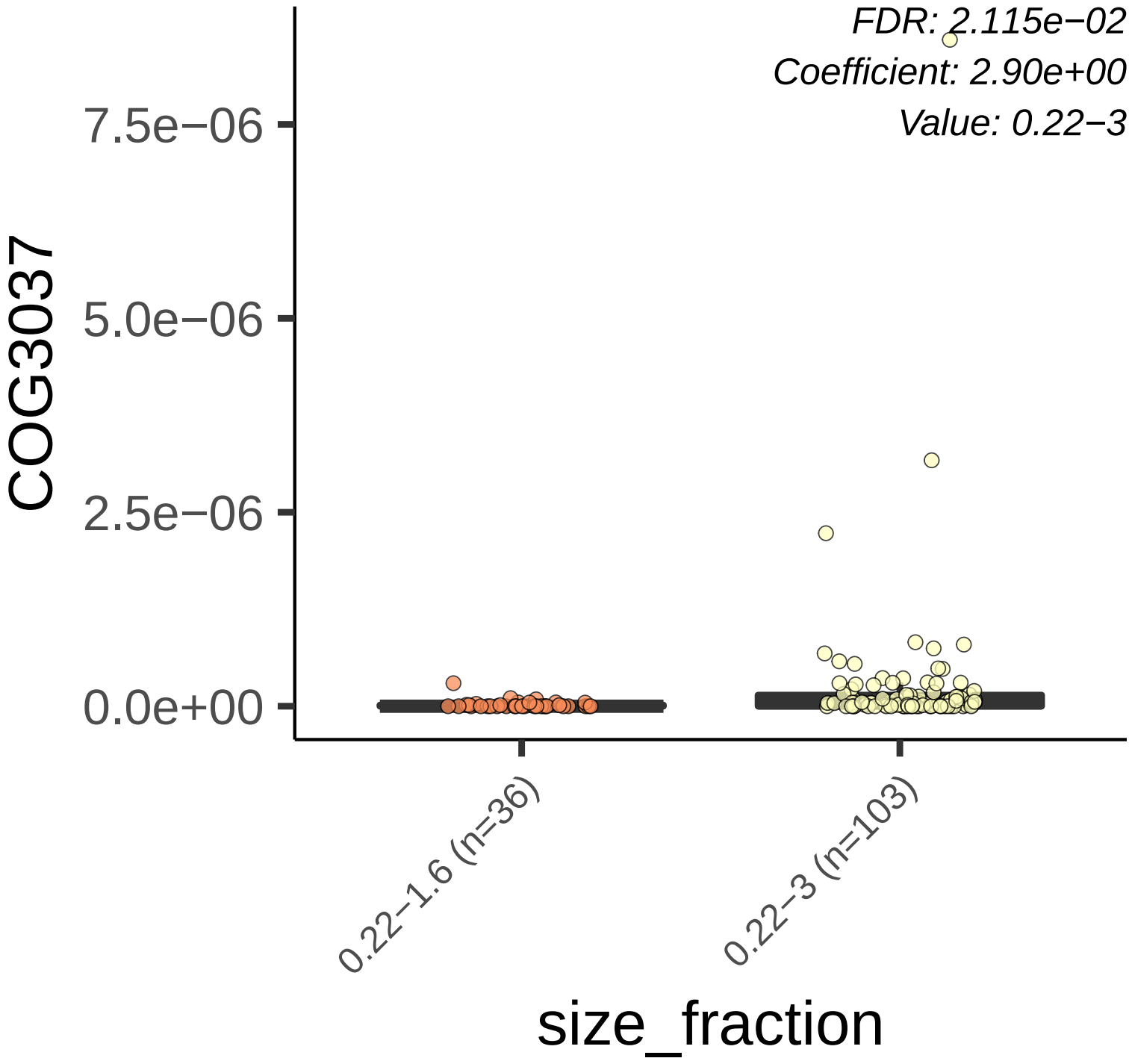

FDR: 2.069e−02
Coefficient: 1.75e+00
Value: 0.22−3
COG2910
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

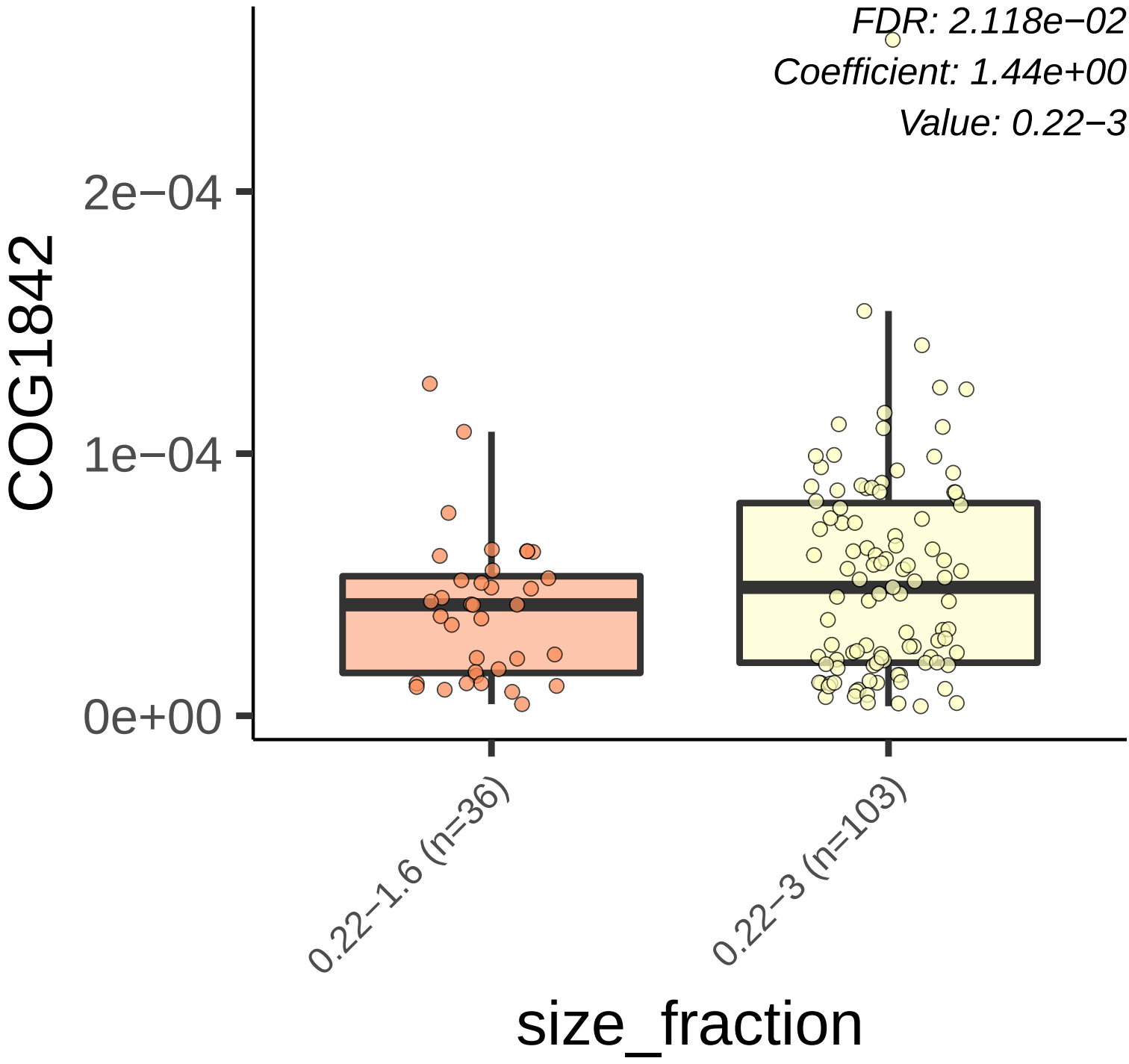

FDR: 2.073e−02
Coefficient: 1.38e+00
Value: 0.22−3
COG1986
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

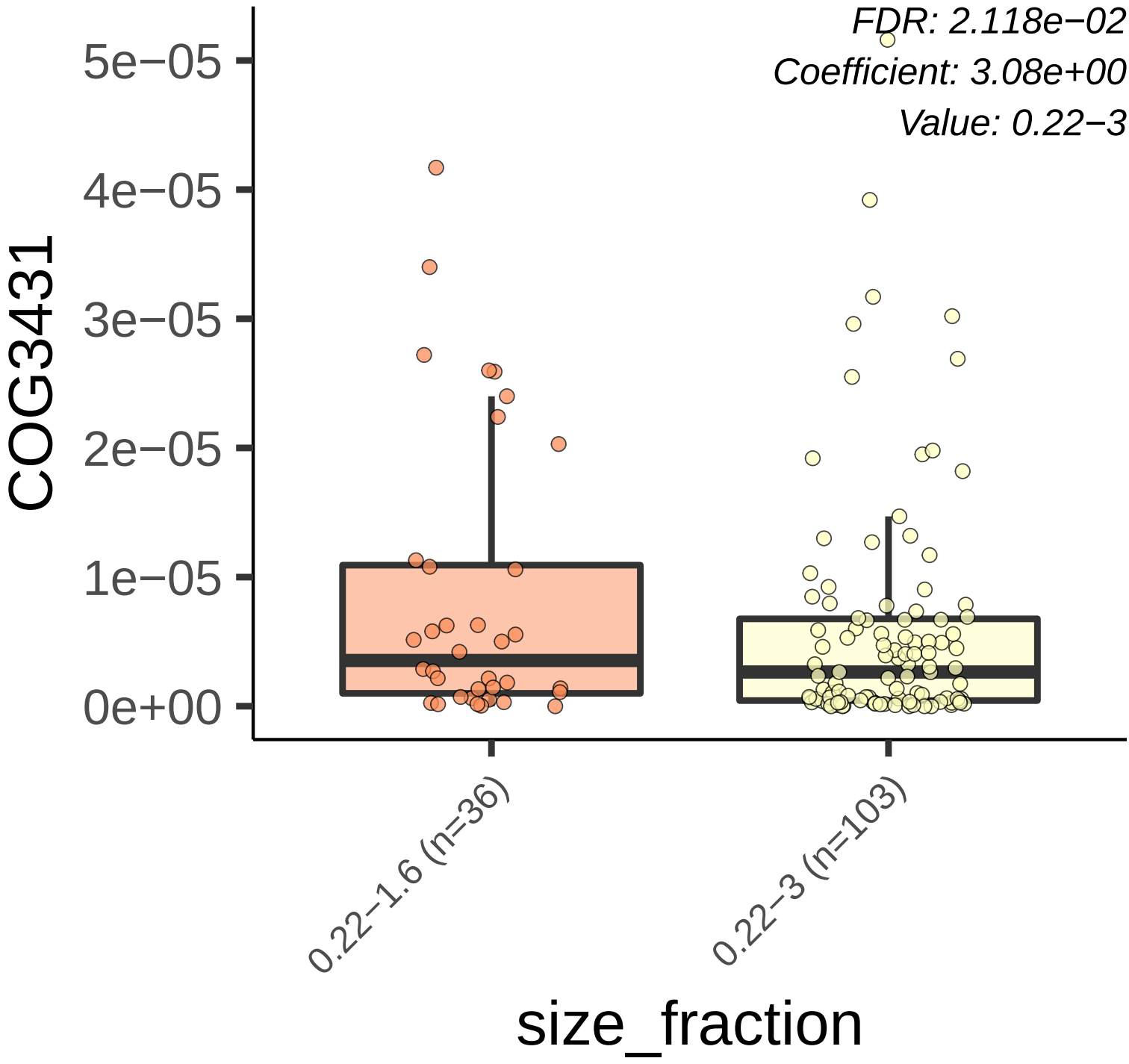

FDR: 2.079e−02
Coefficient: 1.52e+00
Value: 0.22−3
COG1153
1e−05
5e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

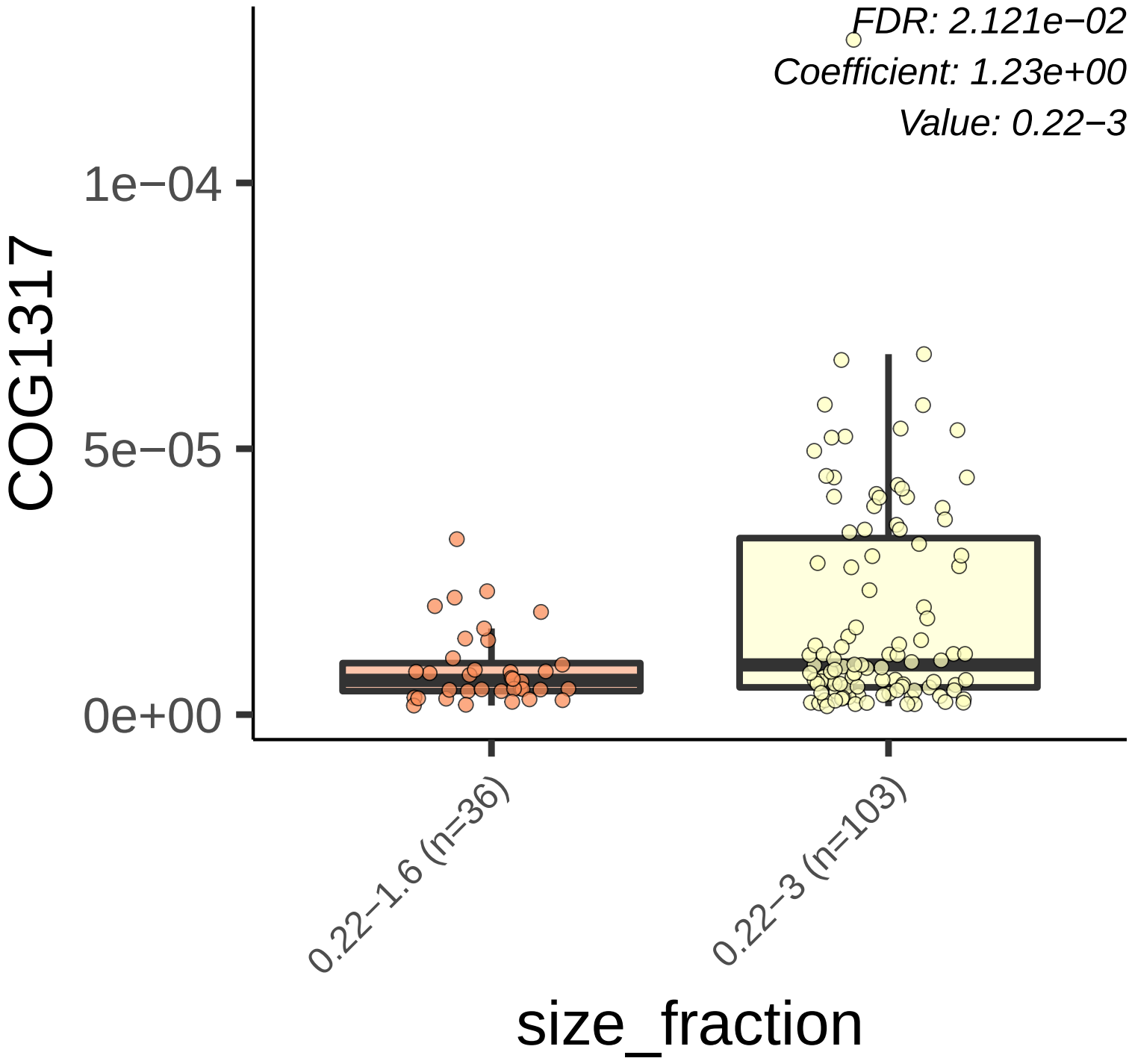

FDR: 2.089e−02
Coefficient: 1.67e+00
Value: 0.22−3
COG1307
9e−05
6e−05
3e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

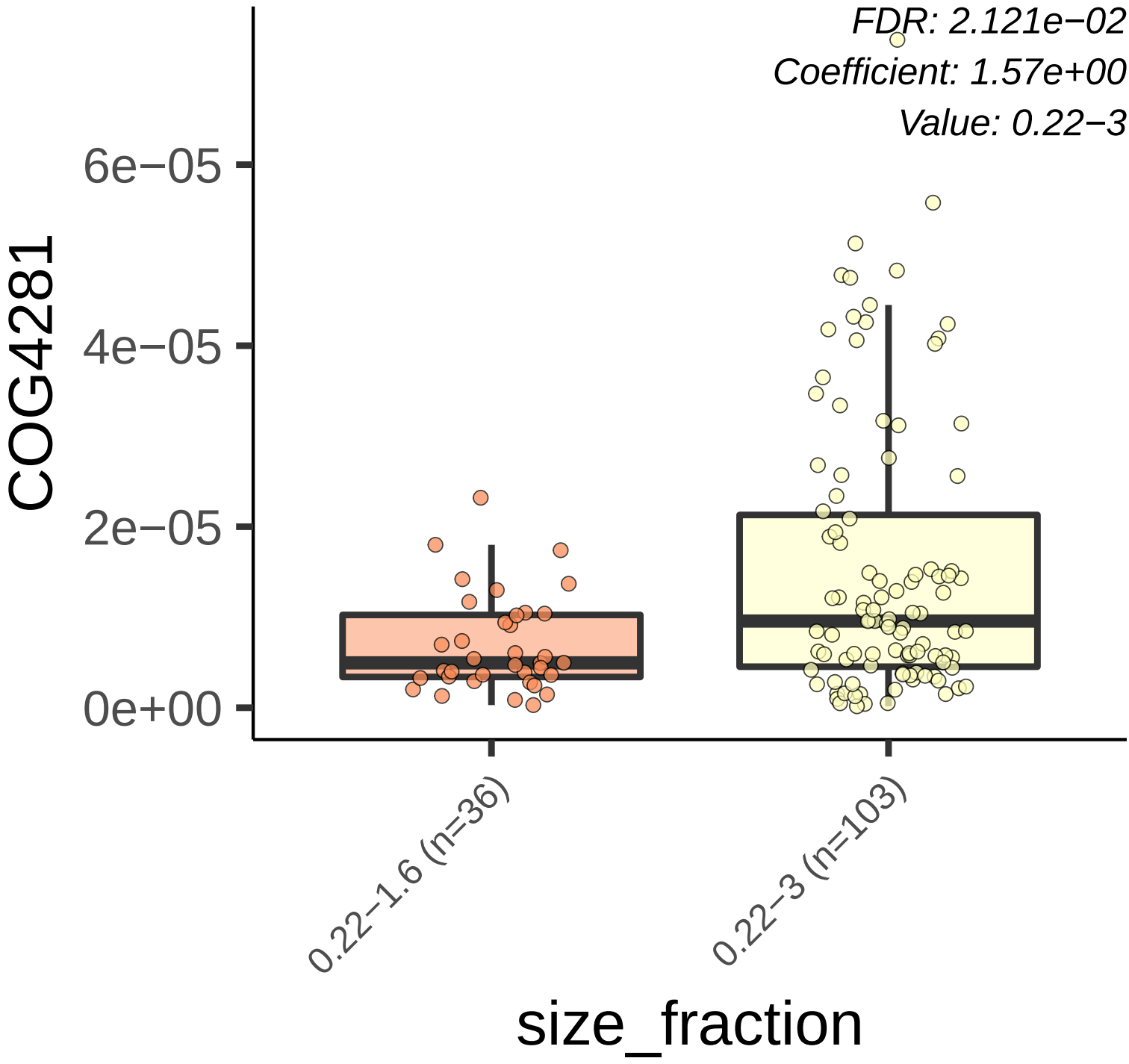

FDR: 2.114e−02
Coefficient: 1.33e+00
Value: 0.22−3
COG3720
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

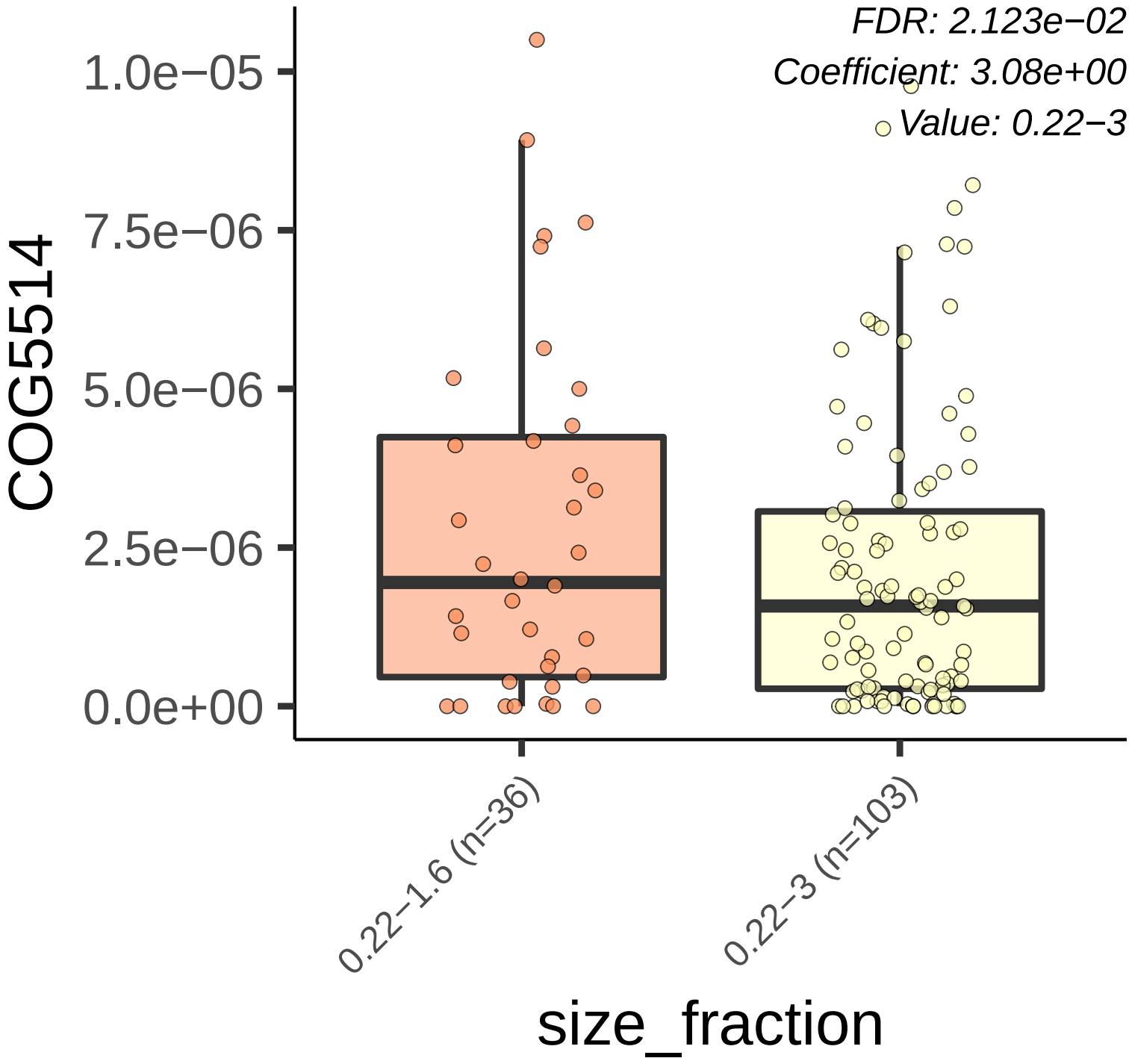

FDR: 2.115e−02
Coefficient: 2.90e+00
Value: 0.22−3
COG3037
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

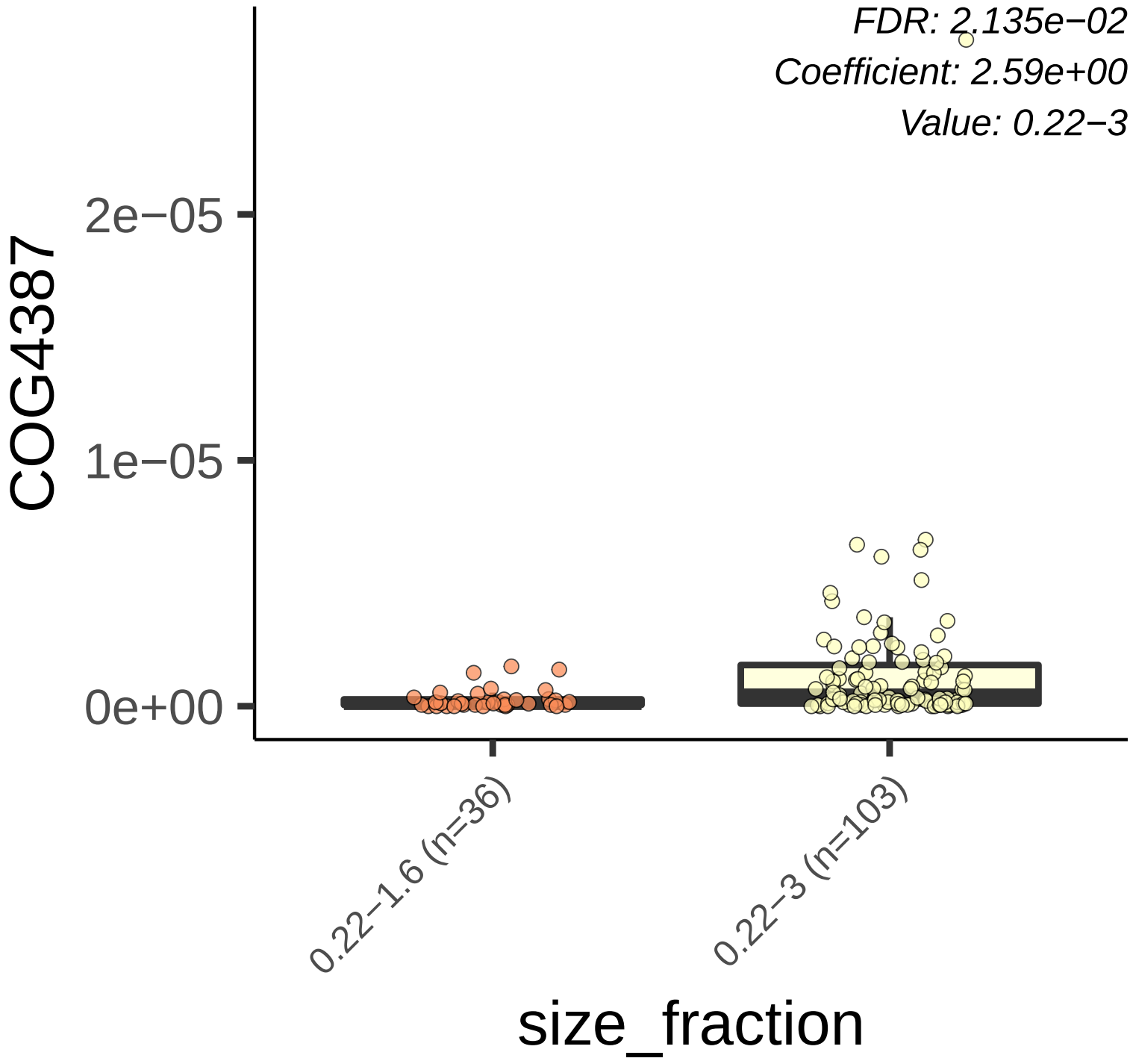

FDR: 2.118e−02
Coefficient: 1.44e+00
Value: 0.22−3
COG1842
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

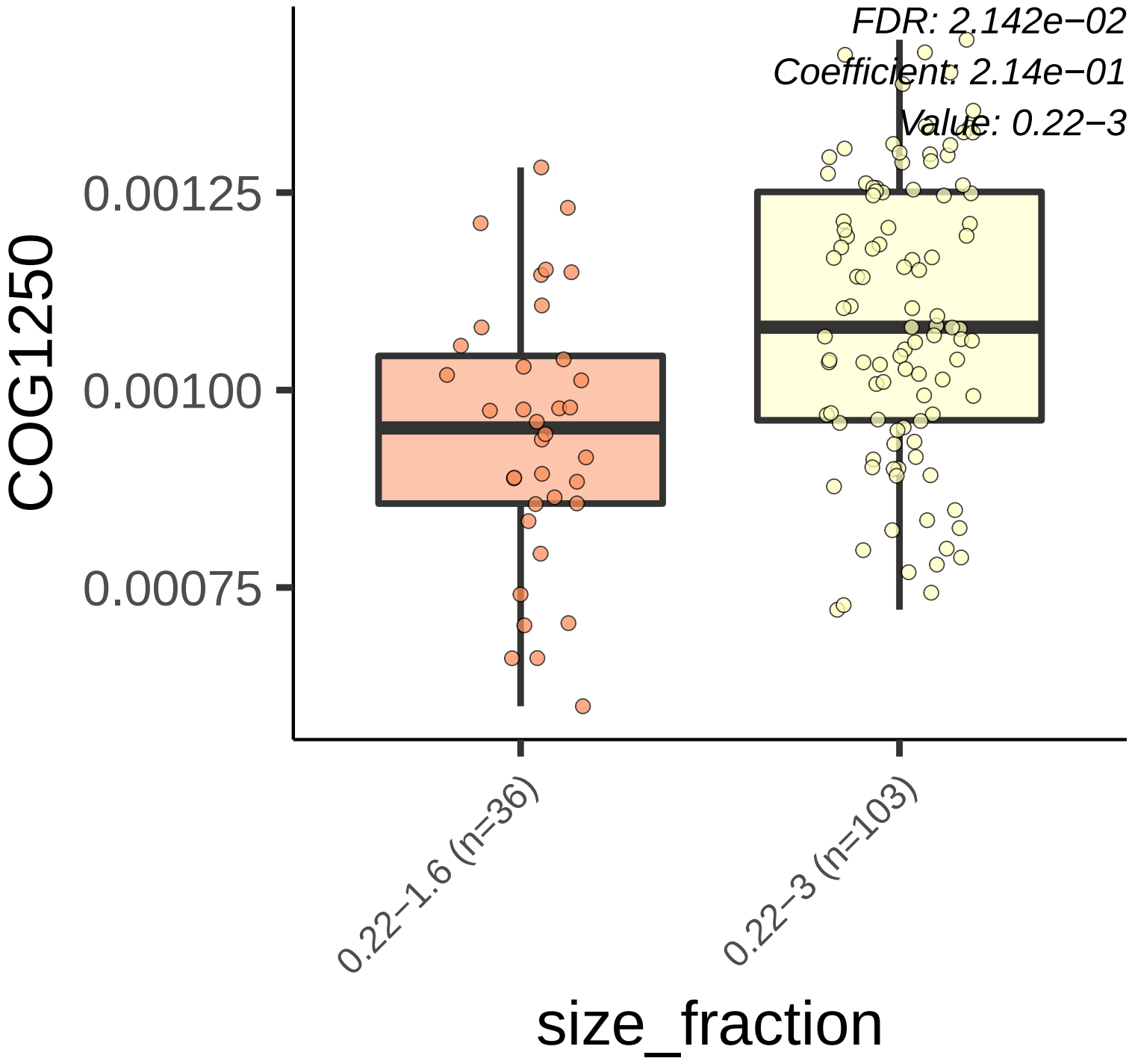

FDR: 2.118e−02
Coefficient: 3.08e+00
Value: 0.22−3
COG3431
5e−05
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

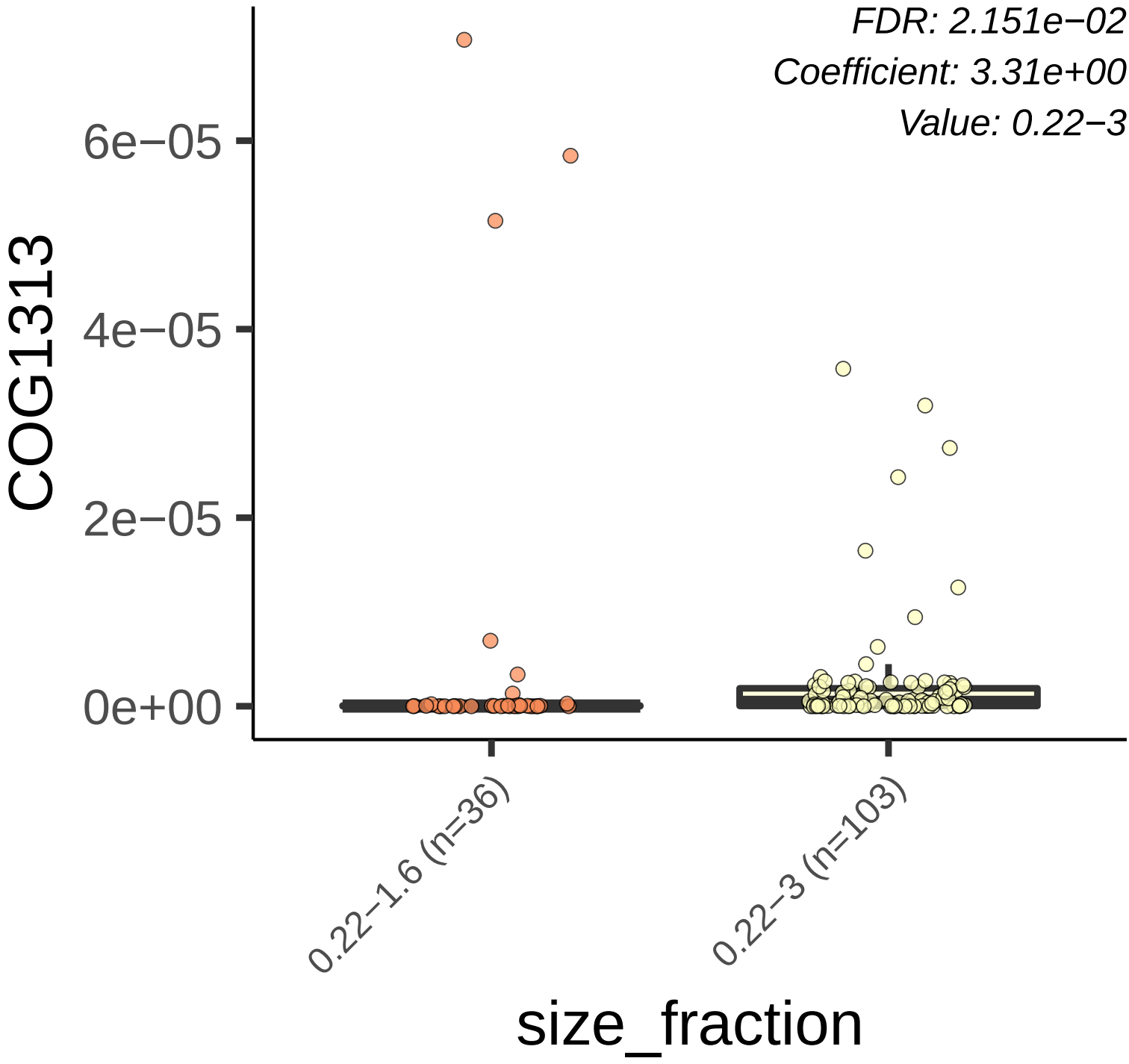

FDR: 2.121e−02
Coefficient: 1.23e+00
Value: 0.22−3
COG1317
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

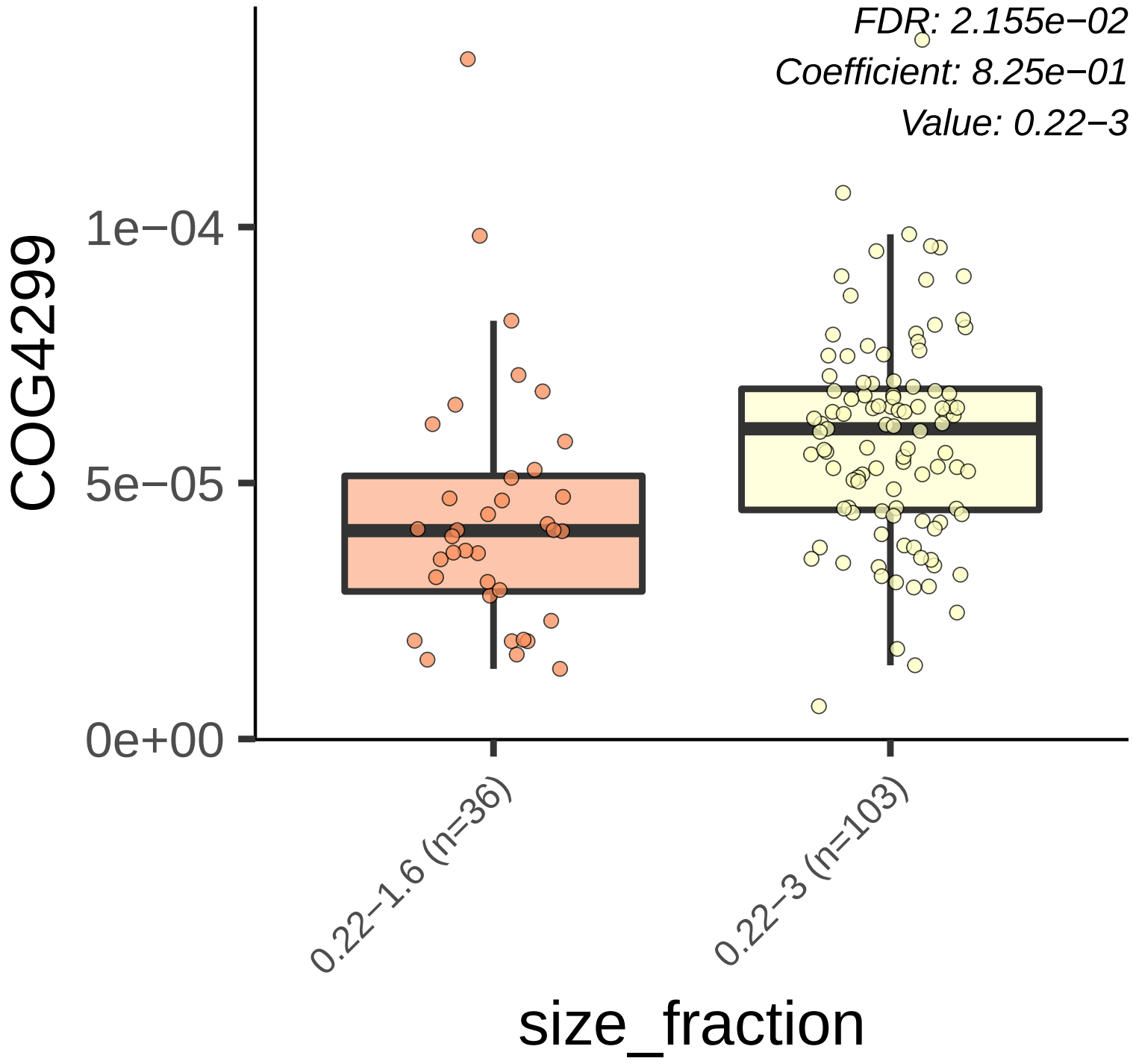

FDR: 2.121e−02
Coefficient: 1.57e+00
Value: 0.22−3
COG4281
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

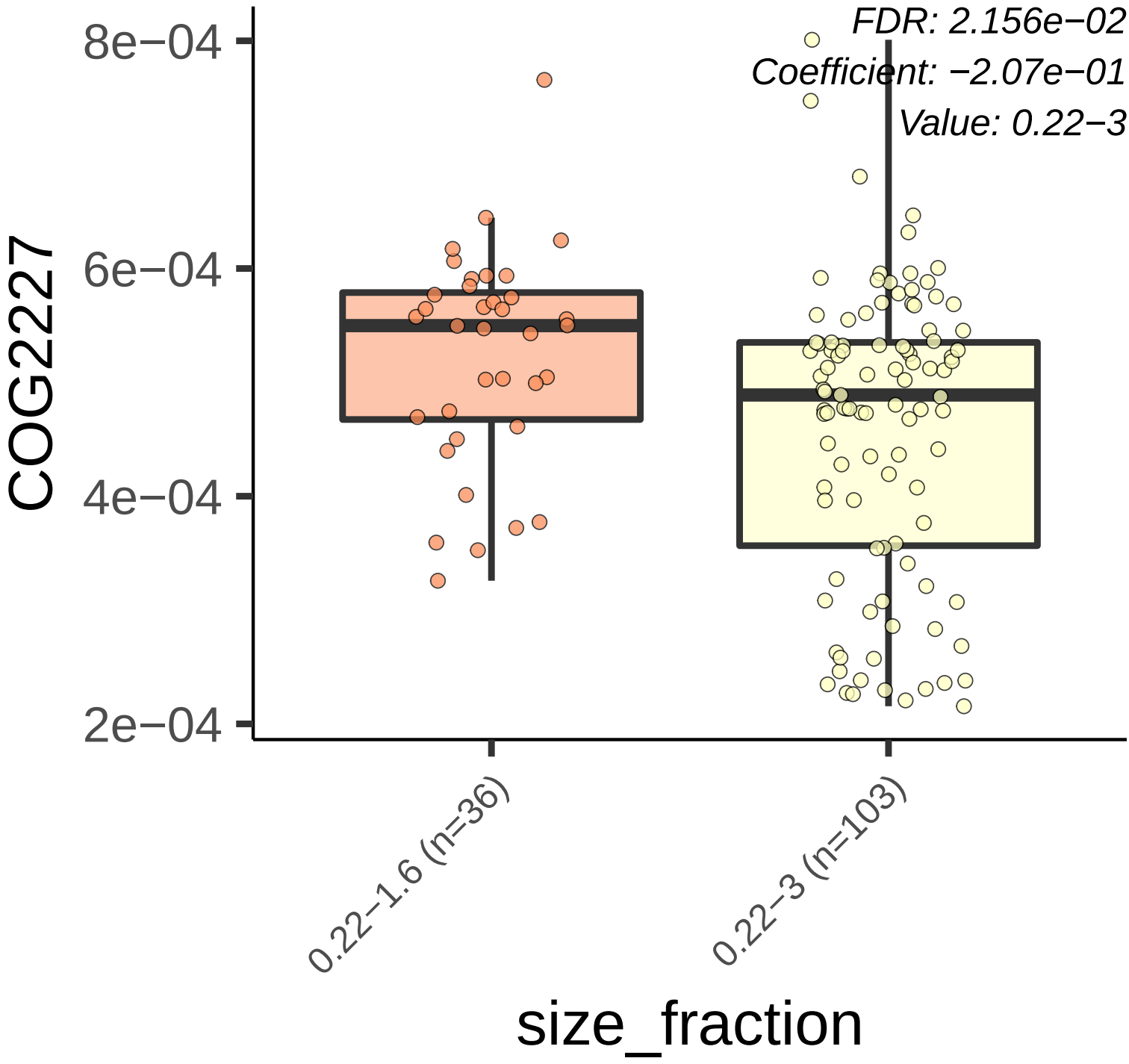

FDR: 2.123e−02
Coefficient: 3.08e+00
Value: 0.22−3
COG5514
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

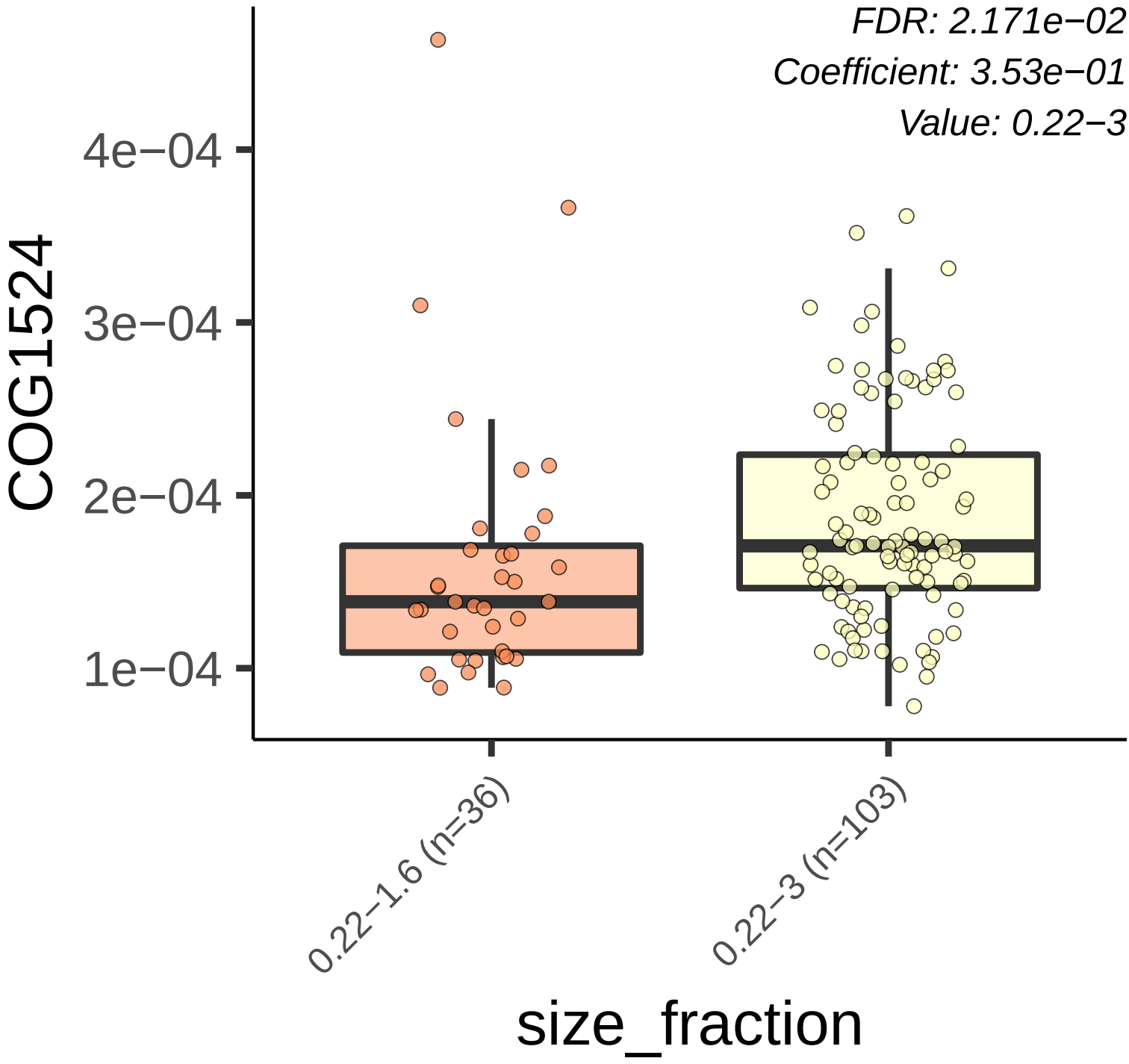

FDR: 2.135e−02
Coefficient: 2.59e+00
Value: 0.22−3
COG4387
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

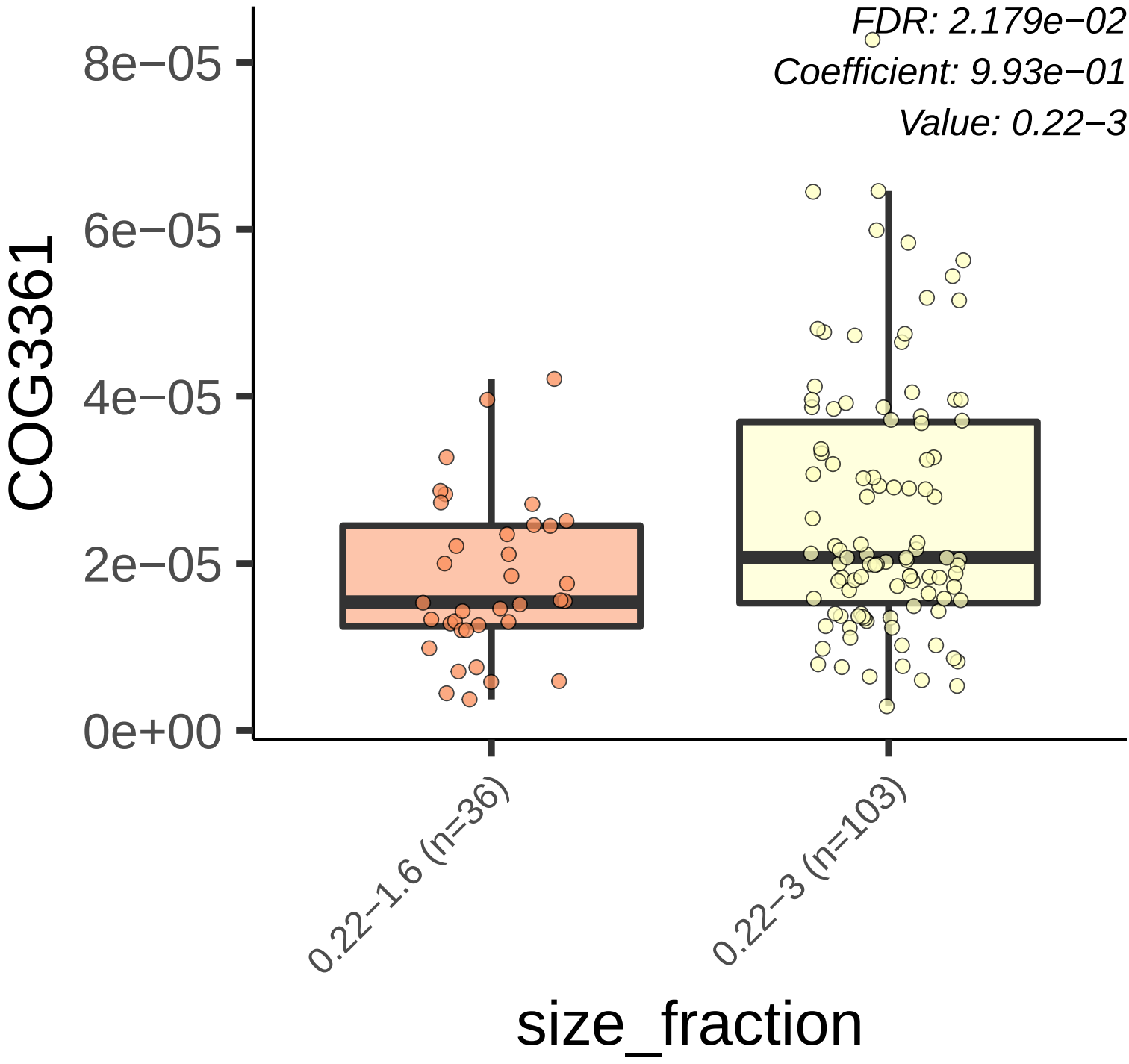

FDR: 2.142e−02
Coefficient: 2.14e−01
Value: 0.22−3
COG1250
0.00125
0.00100
0.00075
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

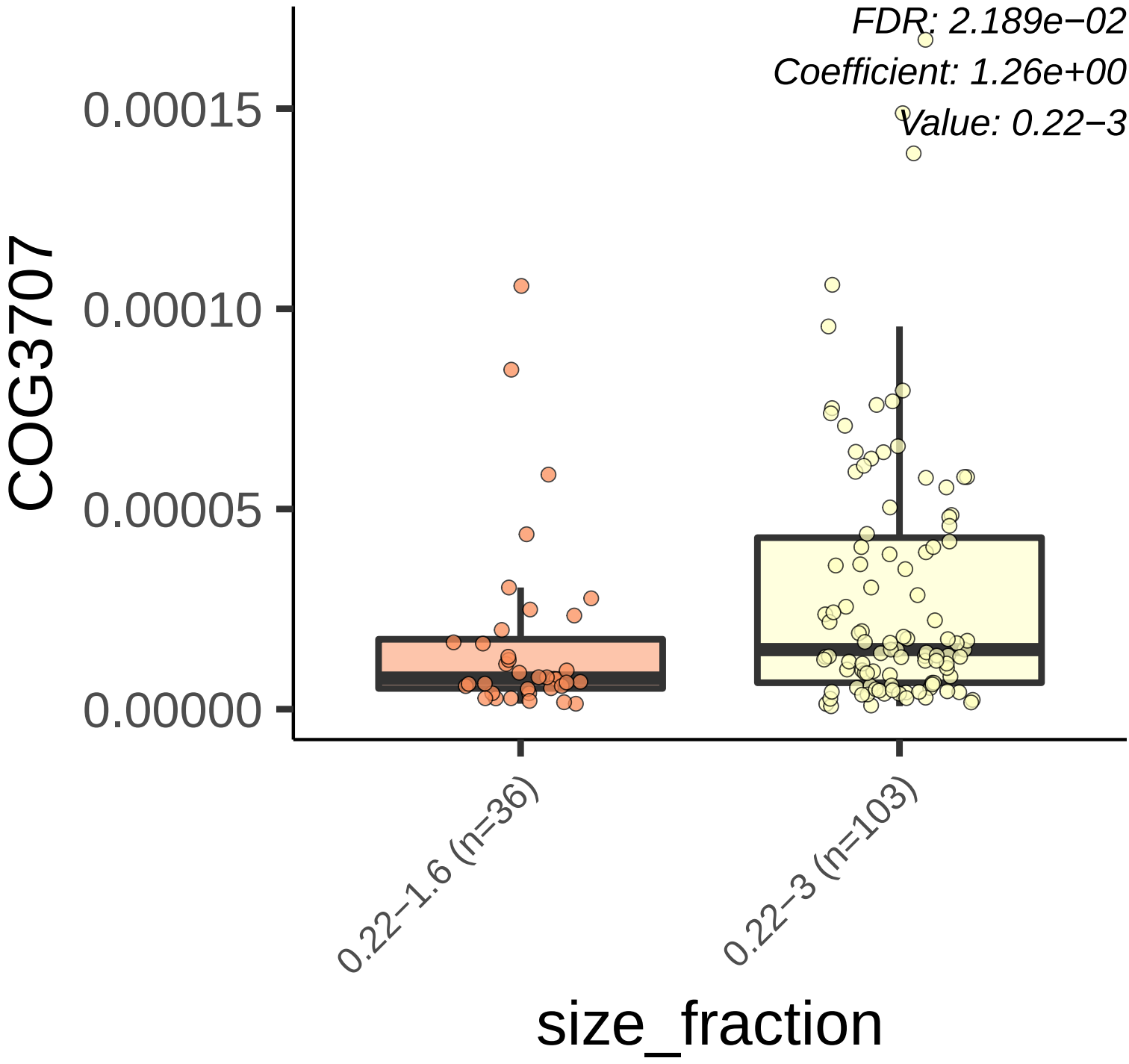

FDR: 2.151e−02
Coefficient: 3.31e+00
Value: 0.22−3
COG1313
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

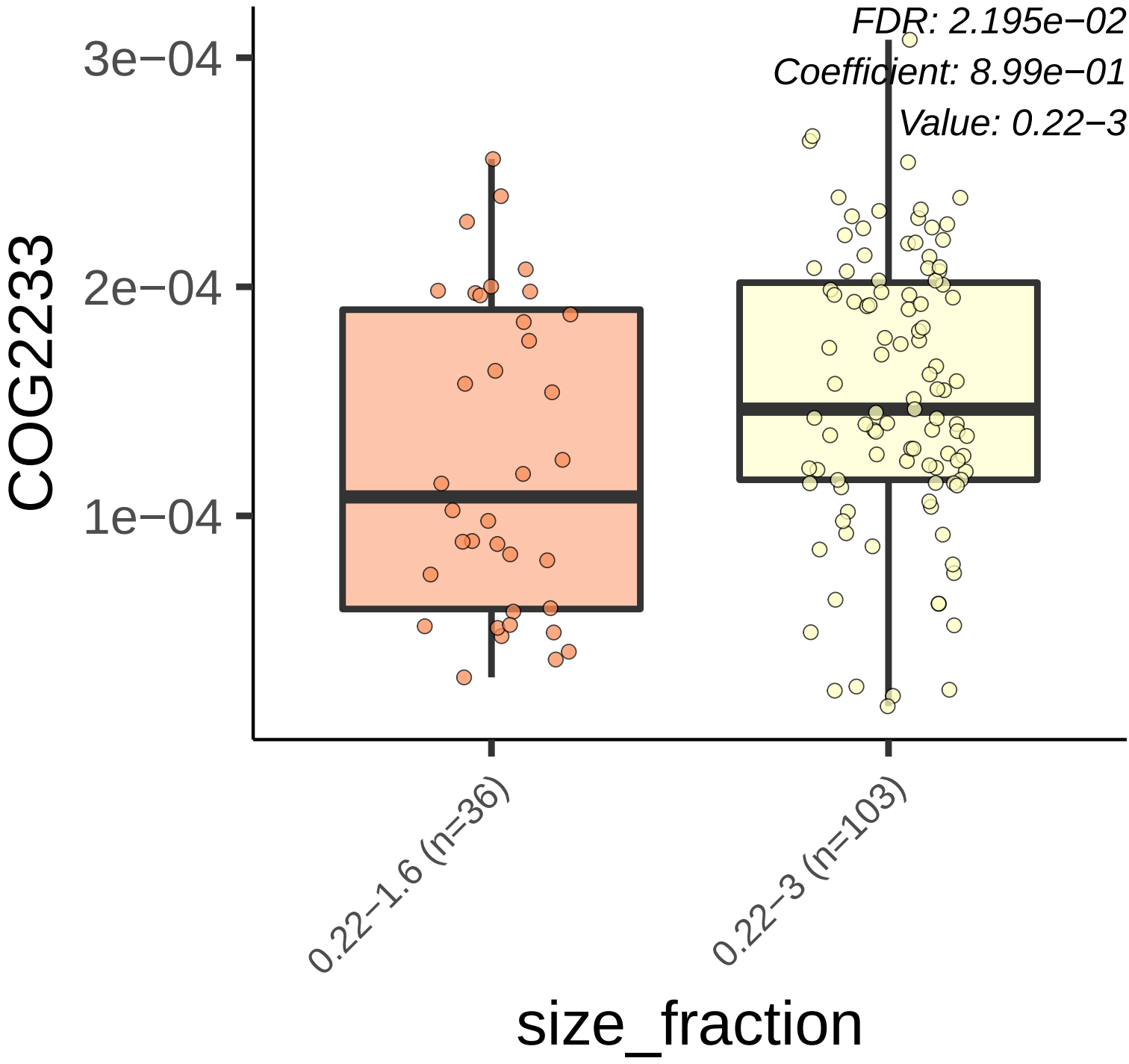

FDR: 2.155e−02
Coefficient: 8.25e−01
Value: 0.22−3
COG4299
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

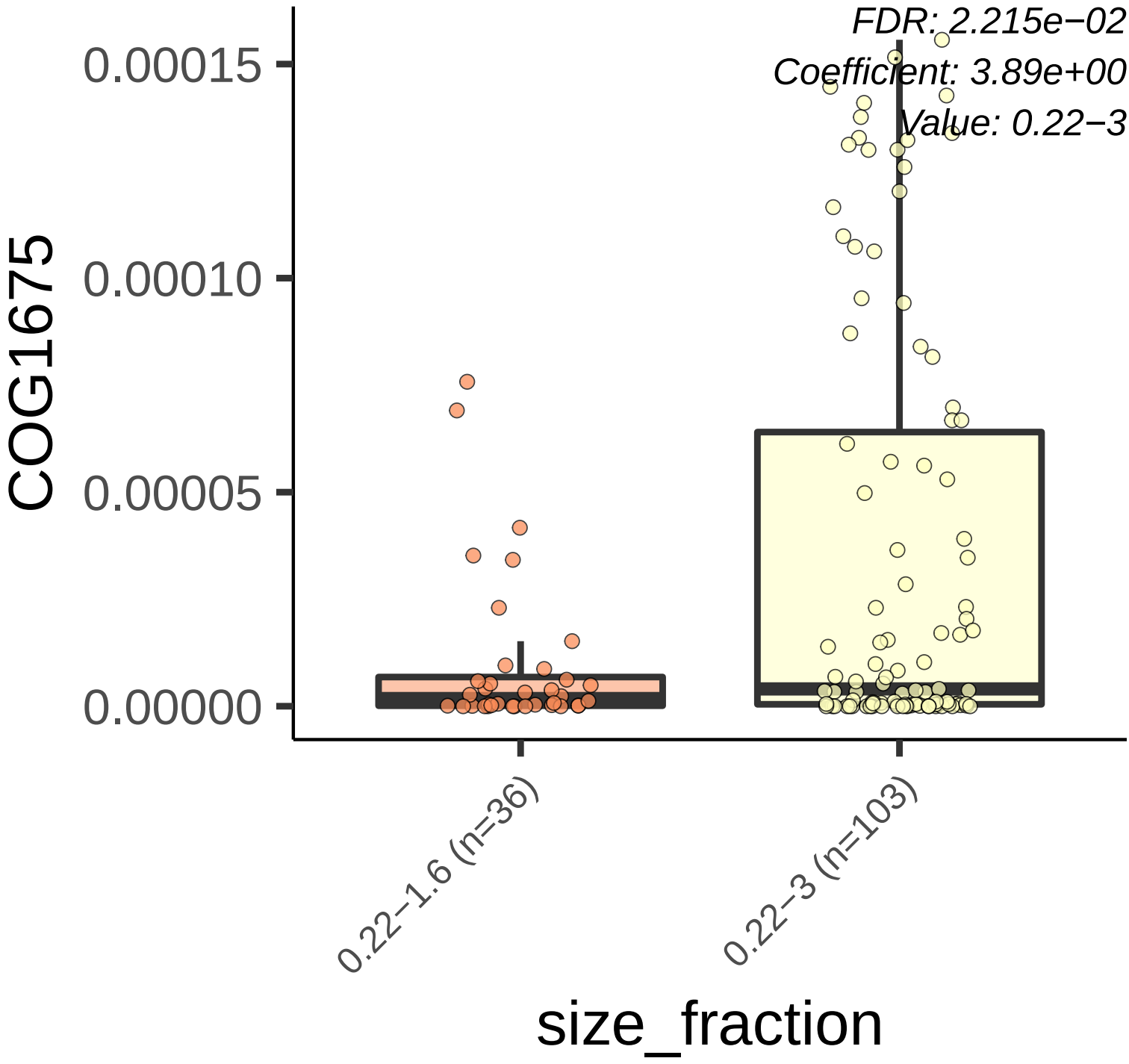

FDR: 2.156e−02
Coefficient: −2.07e−01
Value: 0.22−3
8e−04
6e−04
4e−04
2e−04
COG2227
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

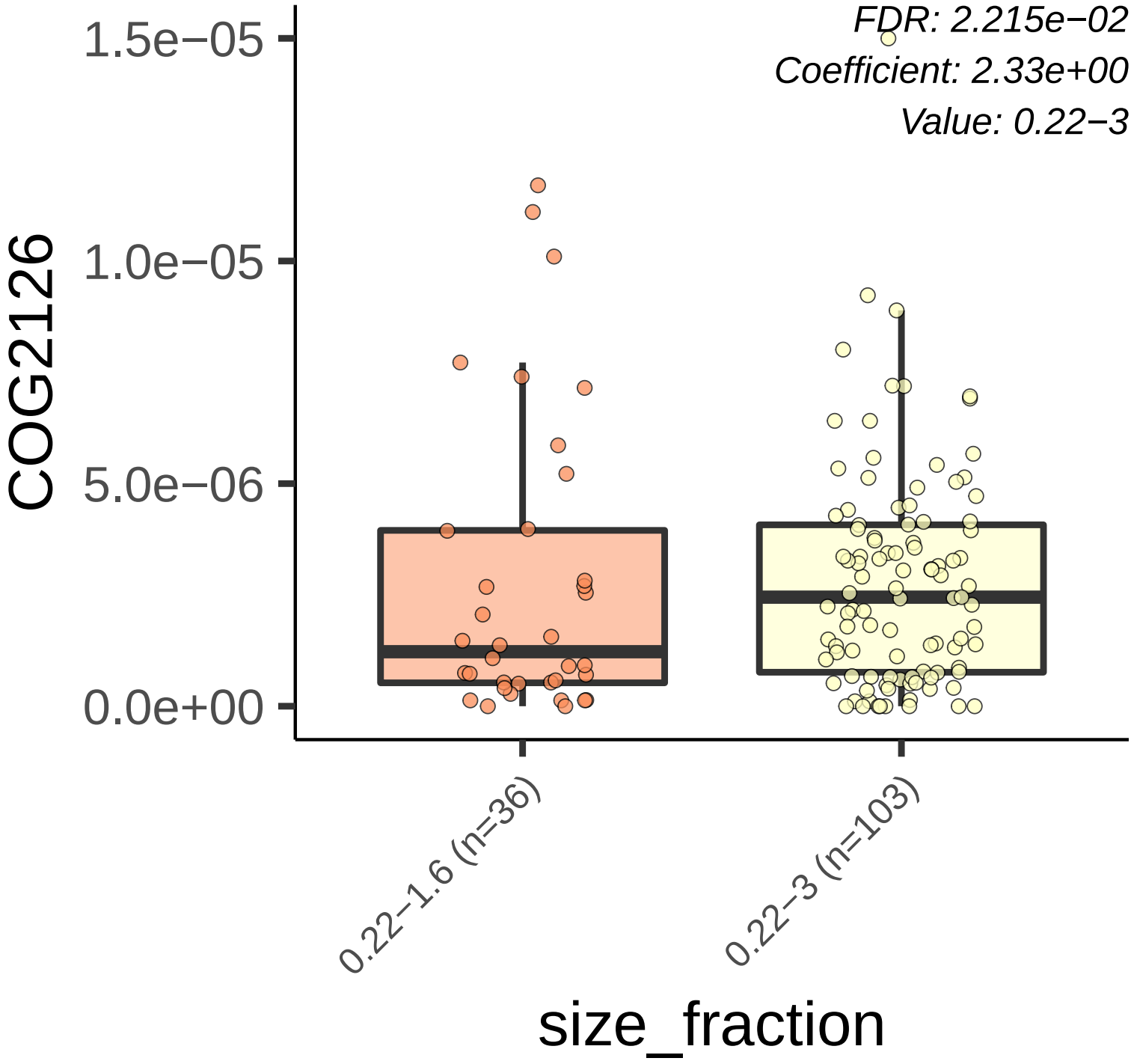

FDR: 2.171e−02
Coefficient: 3.53e−01
Value: 0.22−3
COG1524
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

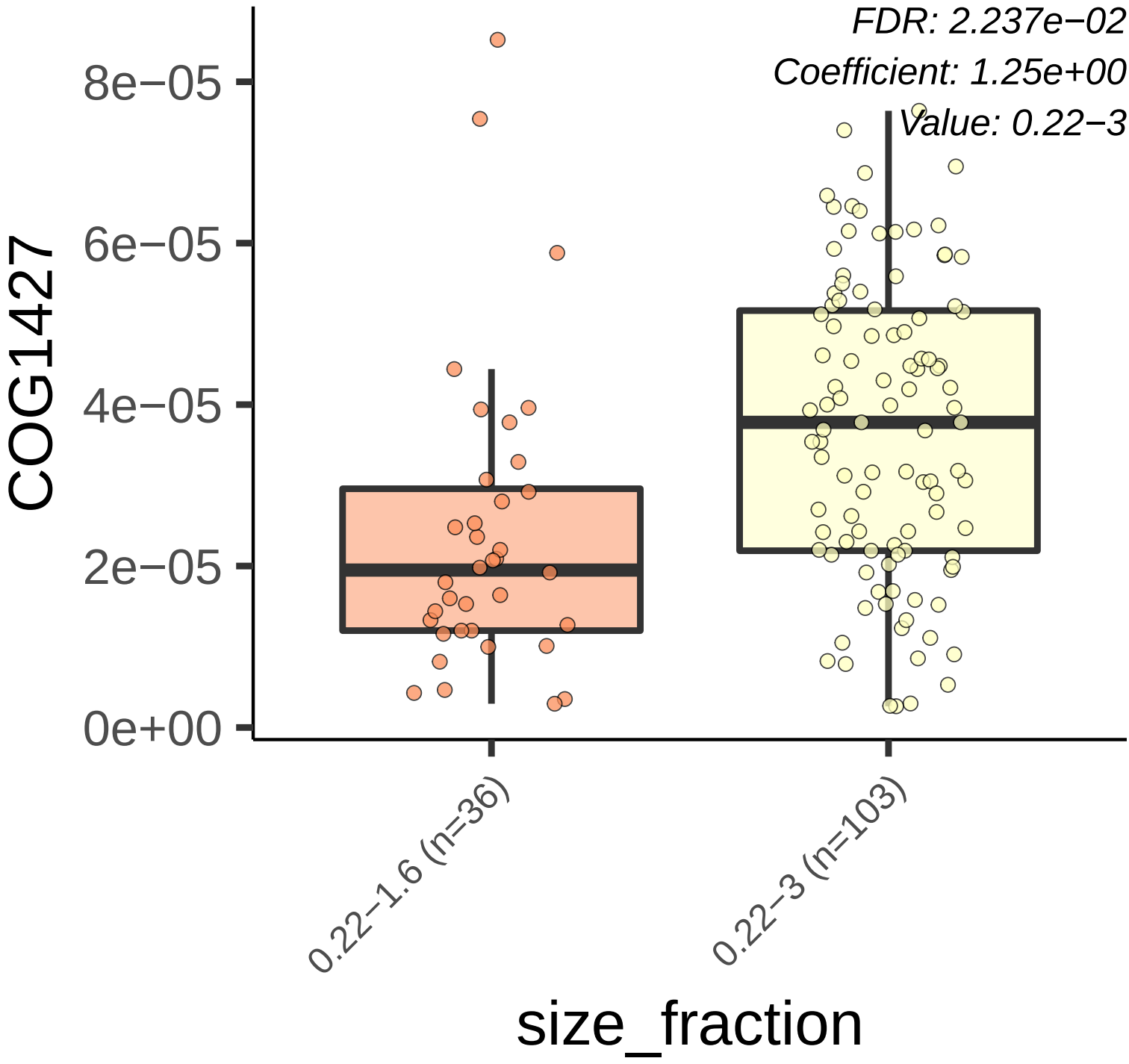

FDR: 2.179e−02
Coefficient: 9.93e−01
Value: 0.22−3
COG3361
8e−05
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

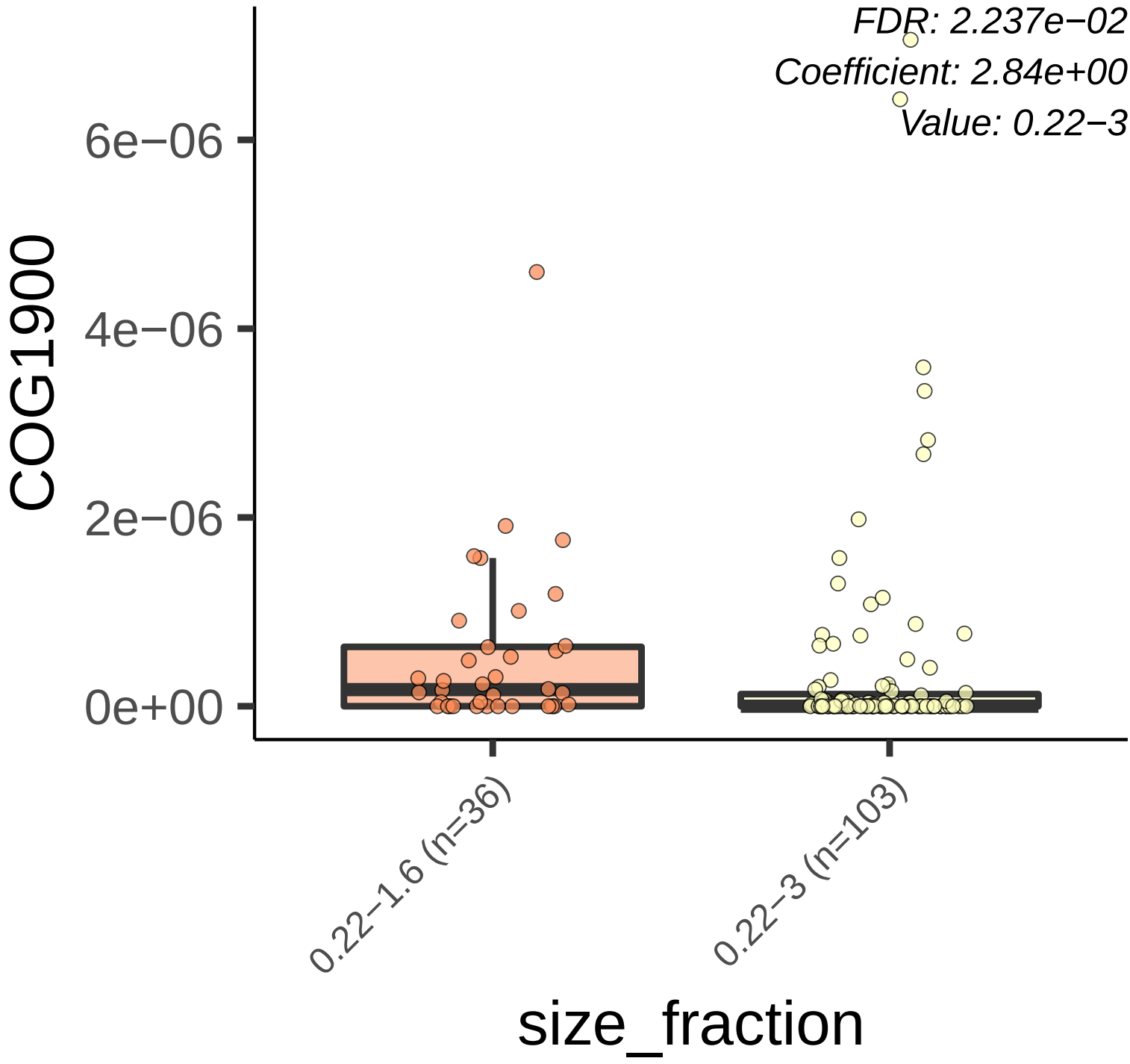

FDR: 2.189e−02
Coefficient: 1.26e+00
Value: 0.22−3
COG3707
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

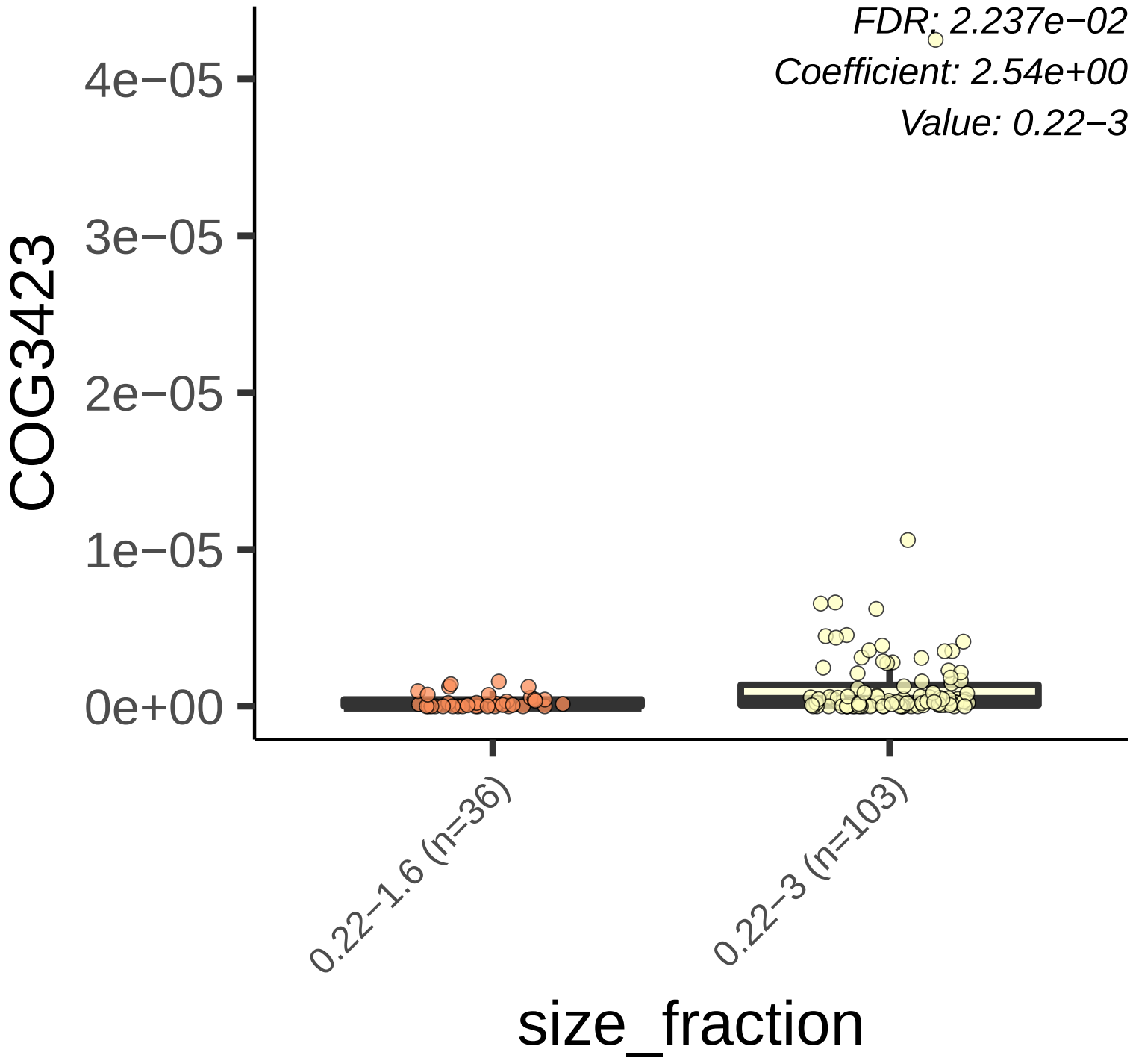

FDR: 2.195e−02
Coefficient: 8.99e−01
Value: 0.22−3
3e−04
2e−04
1e−04
COG2233
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

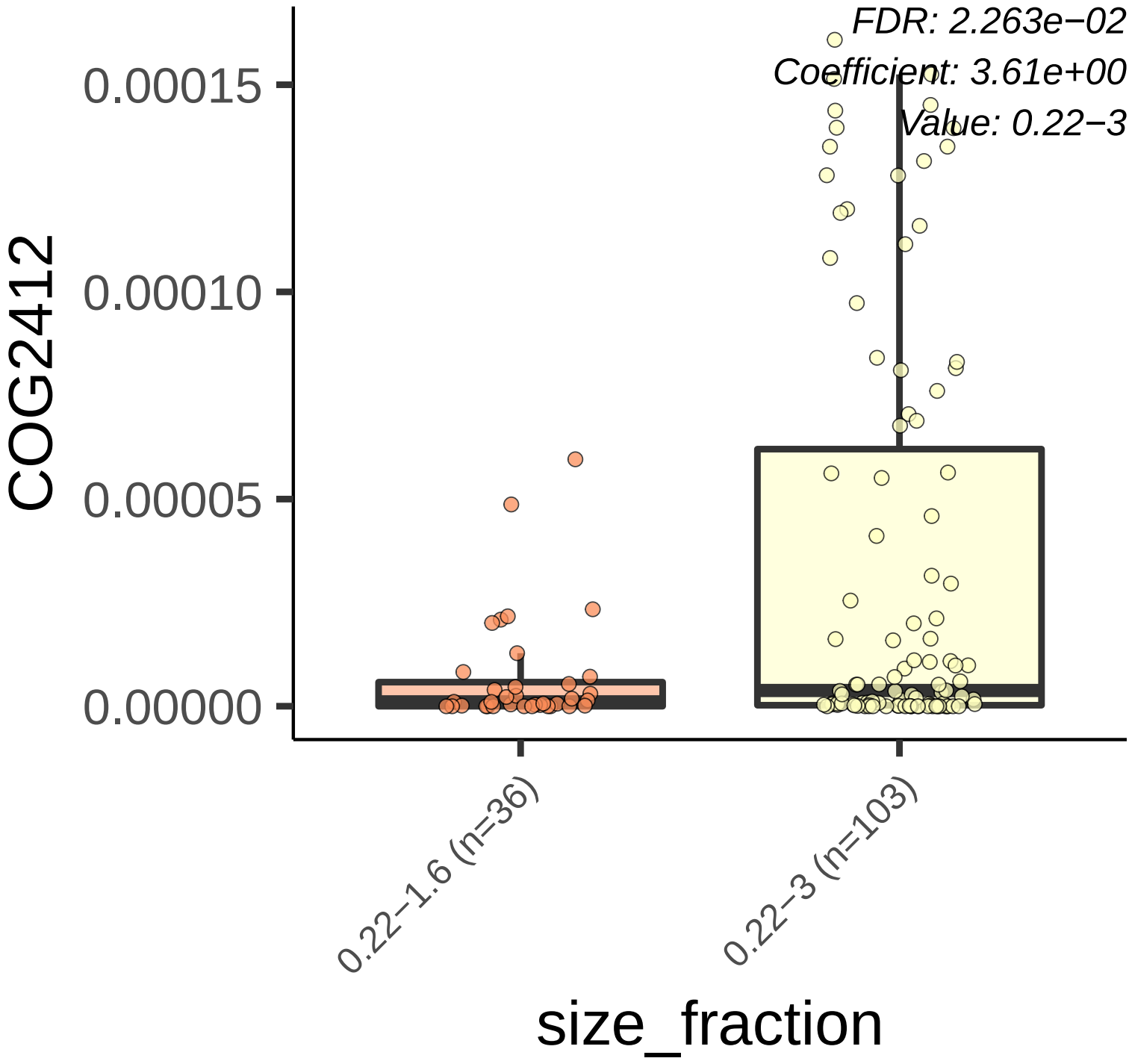

FDR: 2.215e−02
Coefficient: 3.89e+00
Value: 0.22−3
COG1675
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.215e−02
Coefficient: 2.33e+00
Value: 0.22−3
COG2126
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.237e−02
Coefficient: 1.25e+00
Value: 0.22−3
COG1427
8e−05
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.237e−02
Coefficient: 2.84e+00
Value: 0.22−3
COG1900
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.237e−02
Coefficient: 2.54e+00
Value: 0.22−3
COG3423
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.263e−02
Coefficient: 3.61e+00
Value: 0.22−3
COG2412
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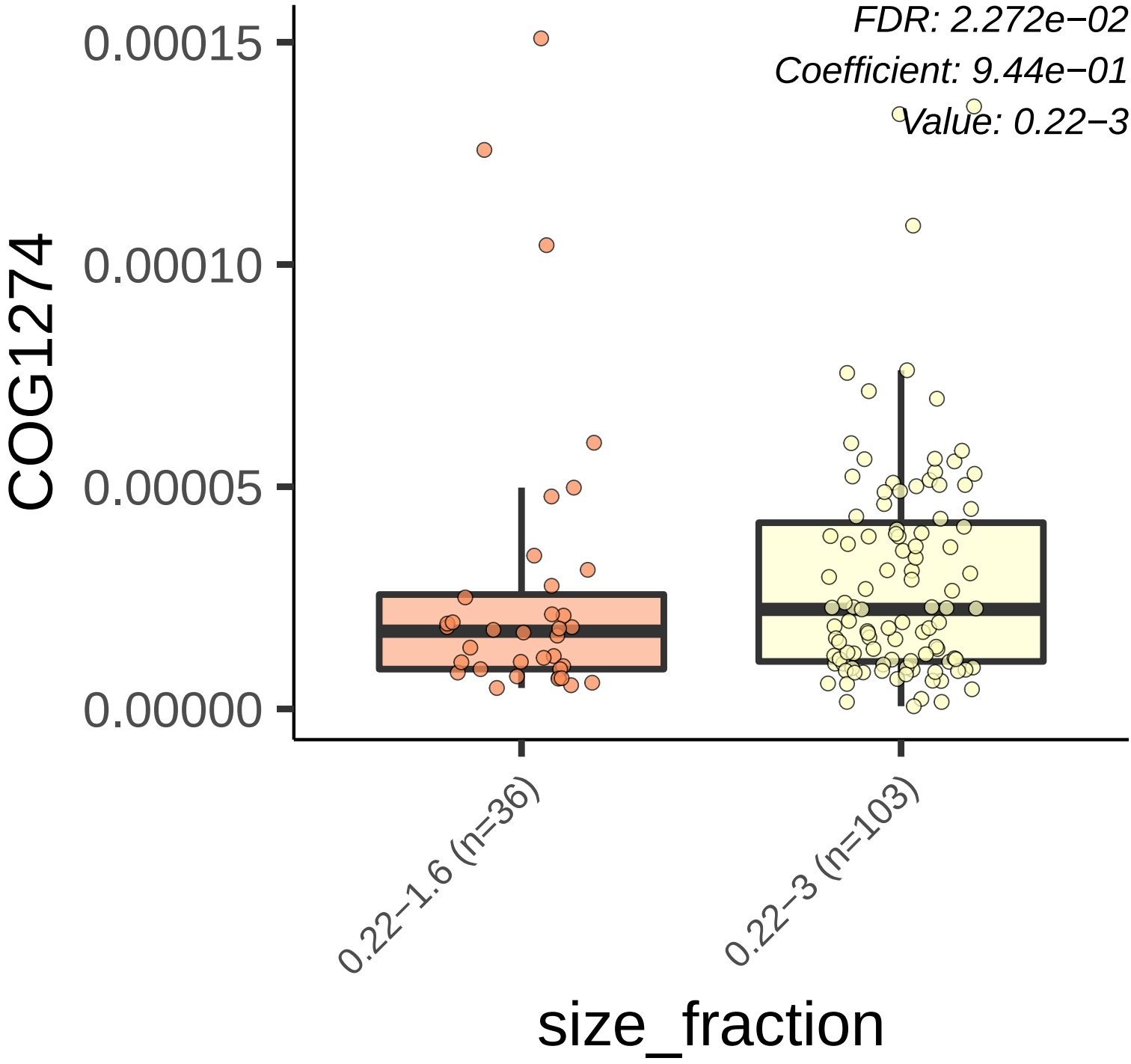
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.272e−02
Coefficient: 9.44e−01
Value: 0.22−3
COG1274
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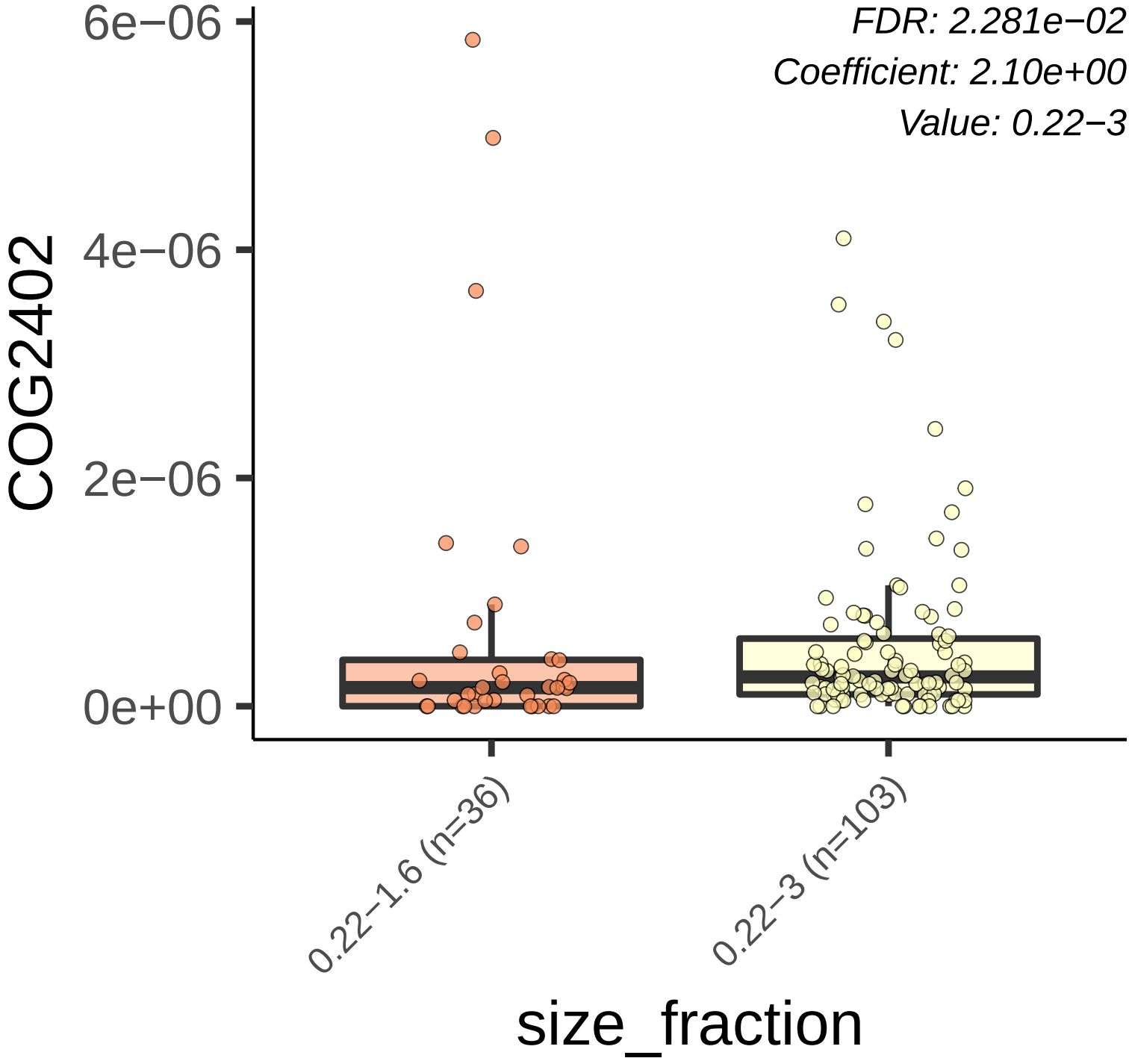
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.281e−02
Coefficient: 2.10e+00
Value: 0.22−3
COG2402
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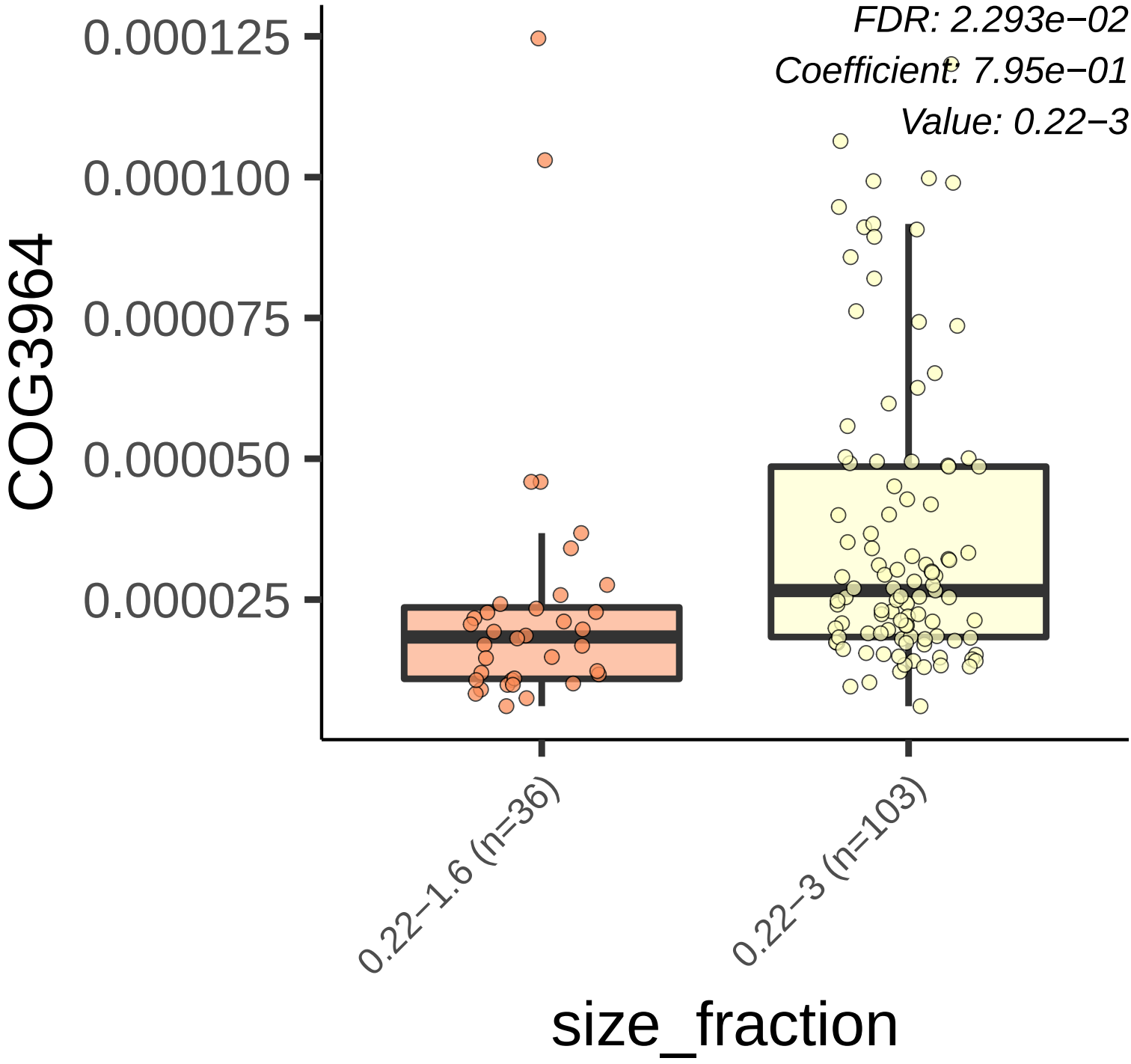
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.293e−02
Coefficient: 7.95e−01
Value: 0.22−3
COG3964
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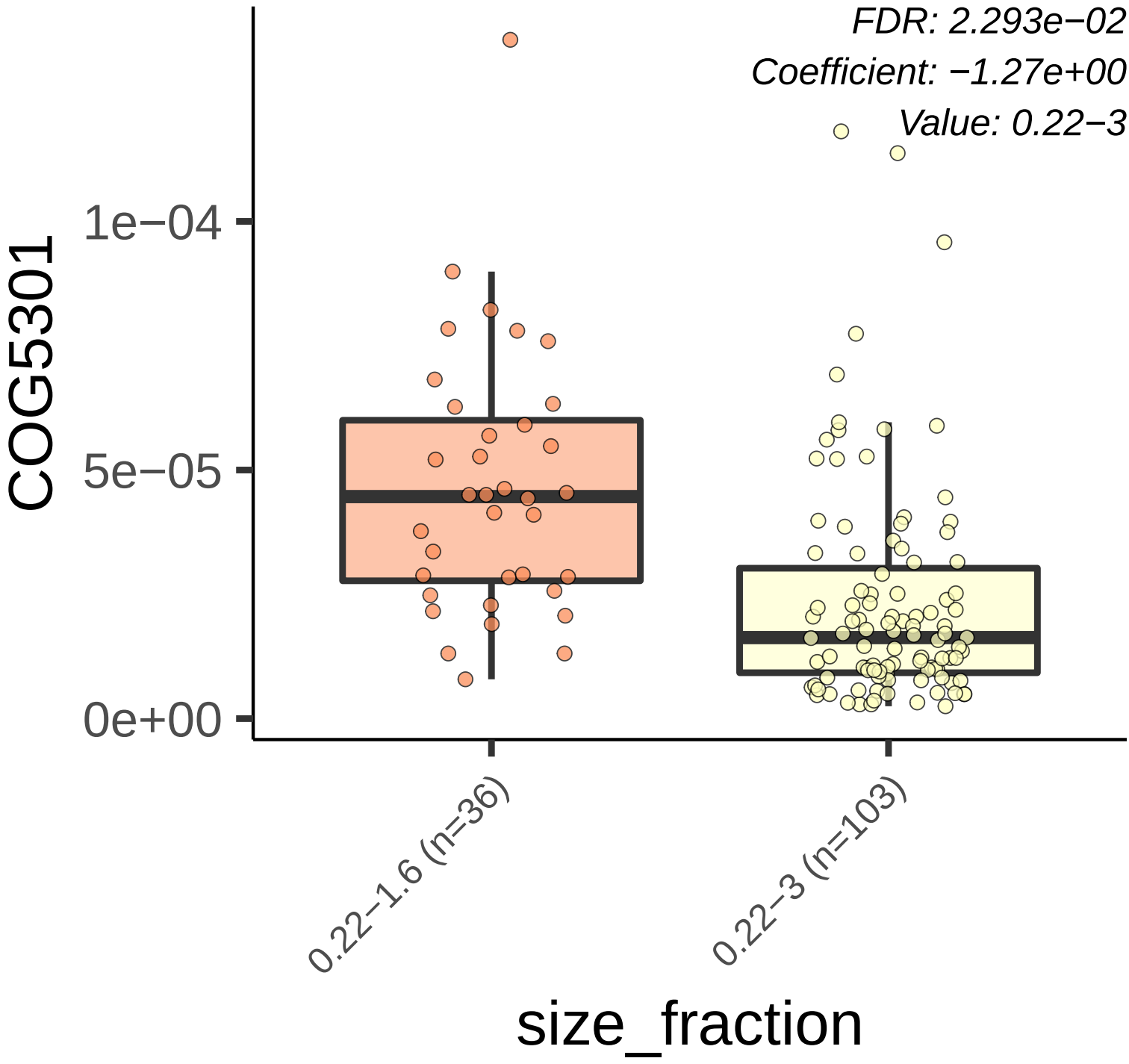
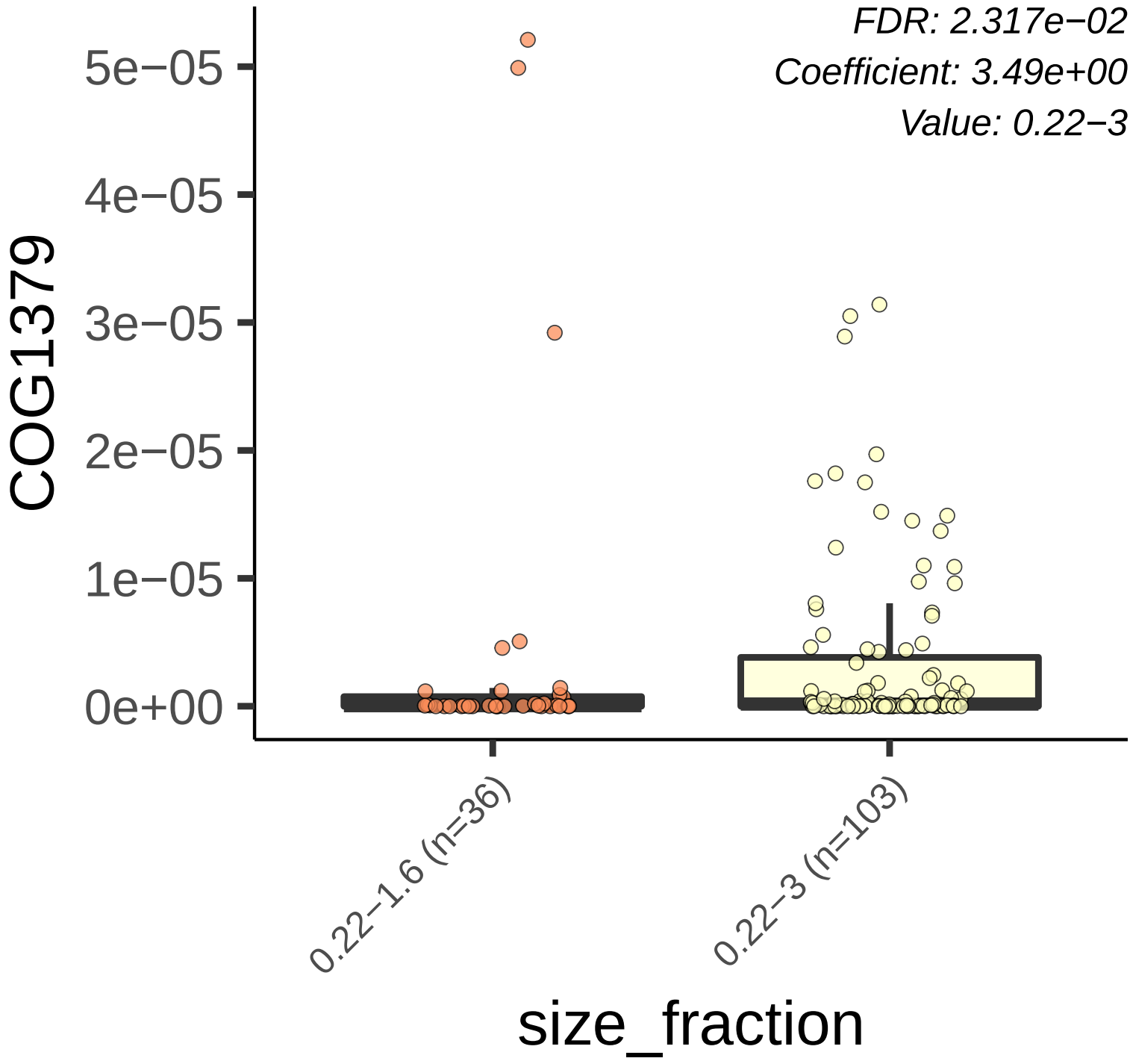
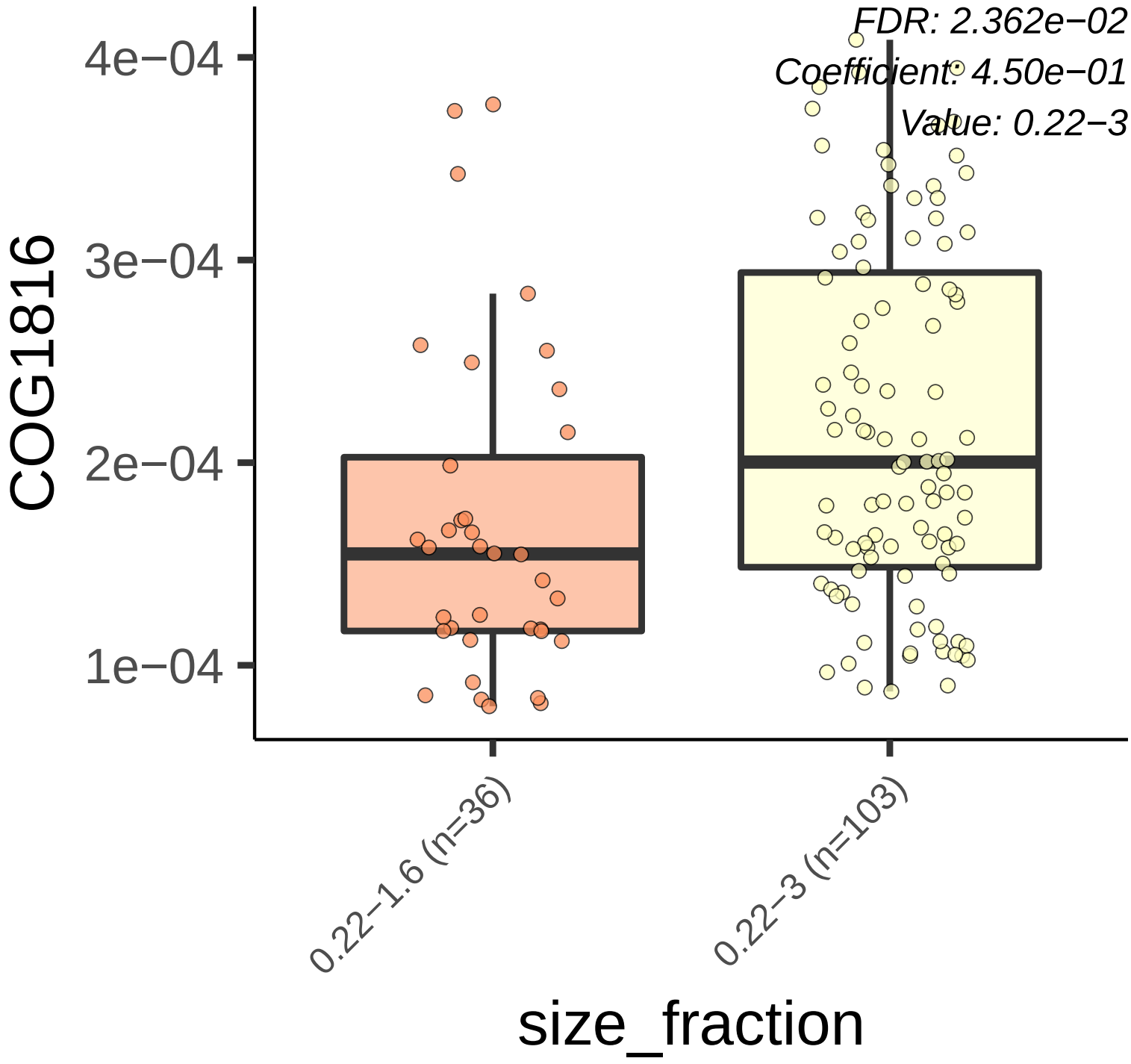
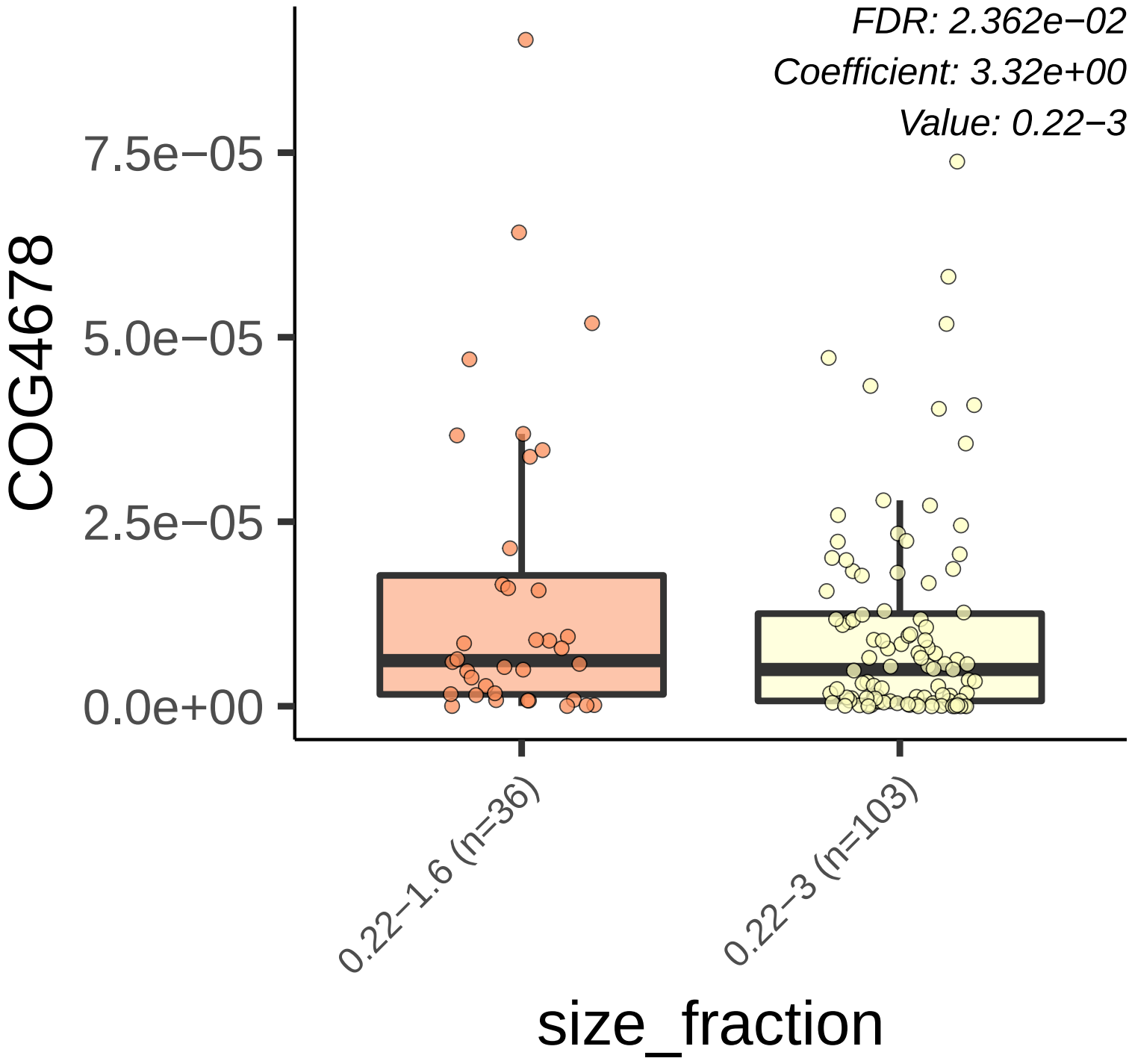
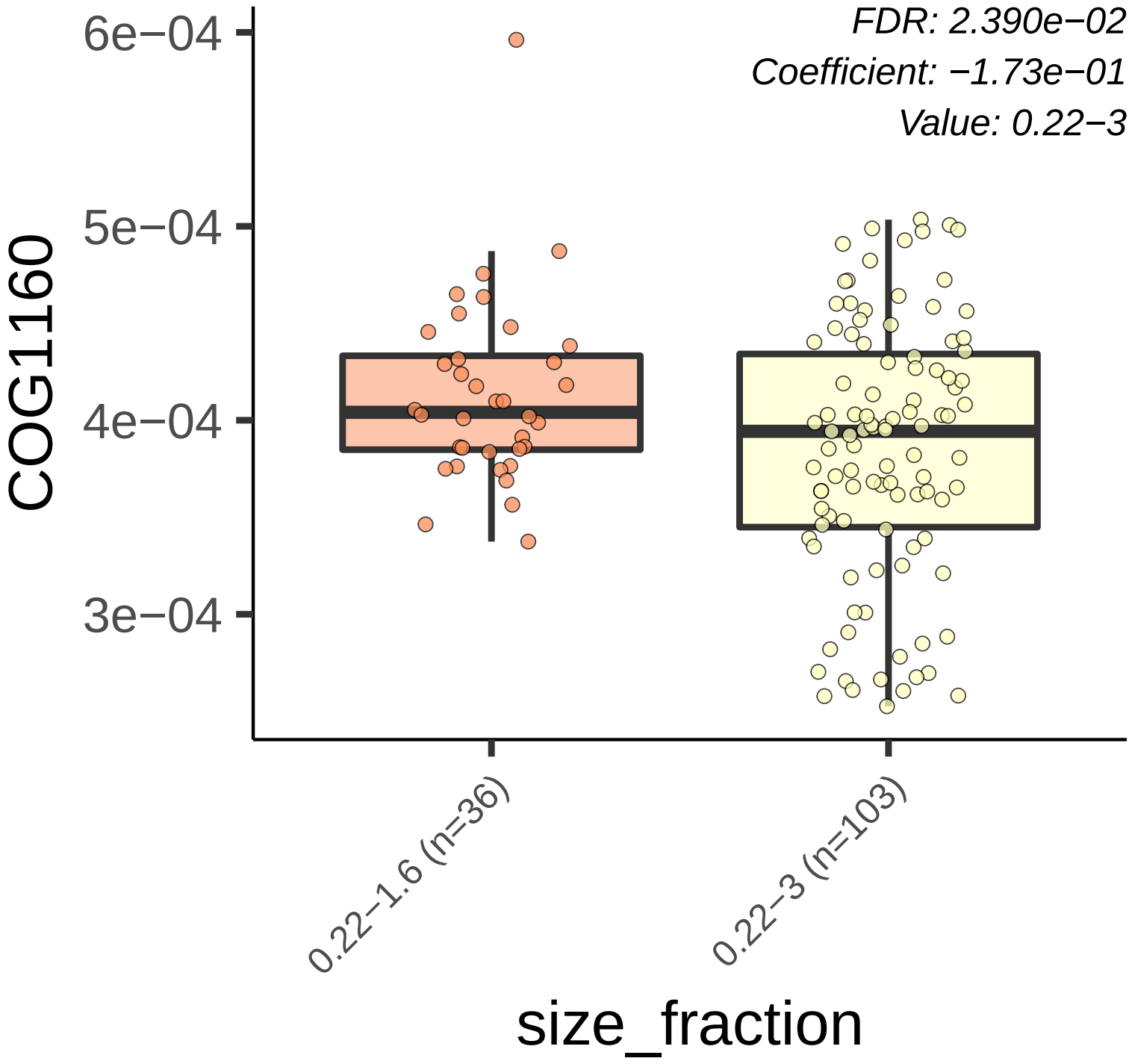
0.000075
0.000050
0.000025
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

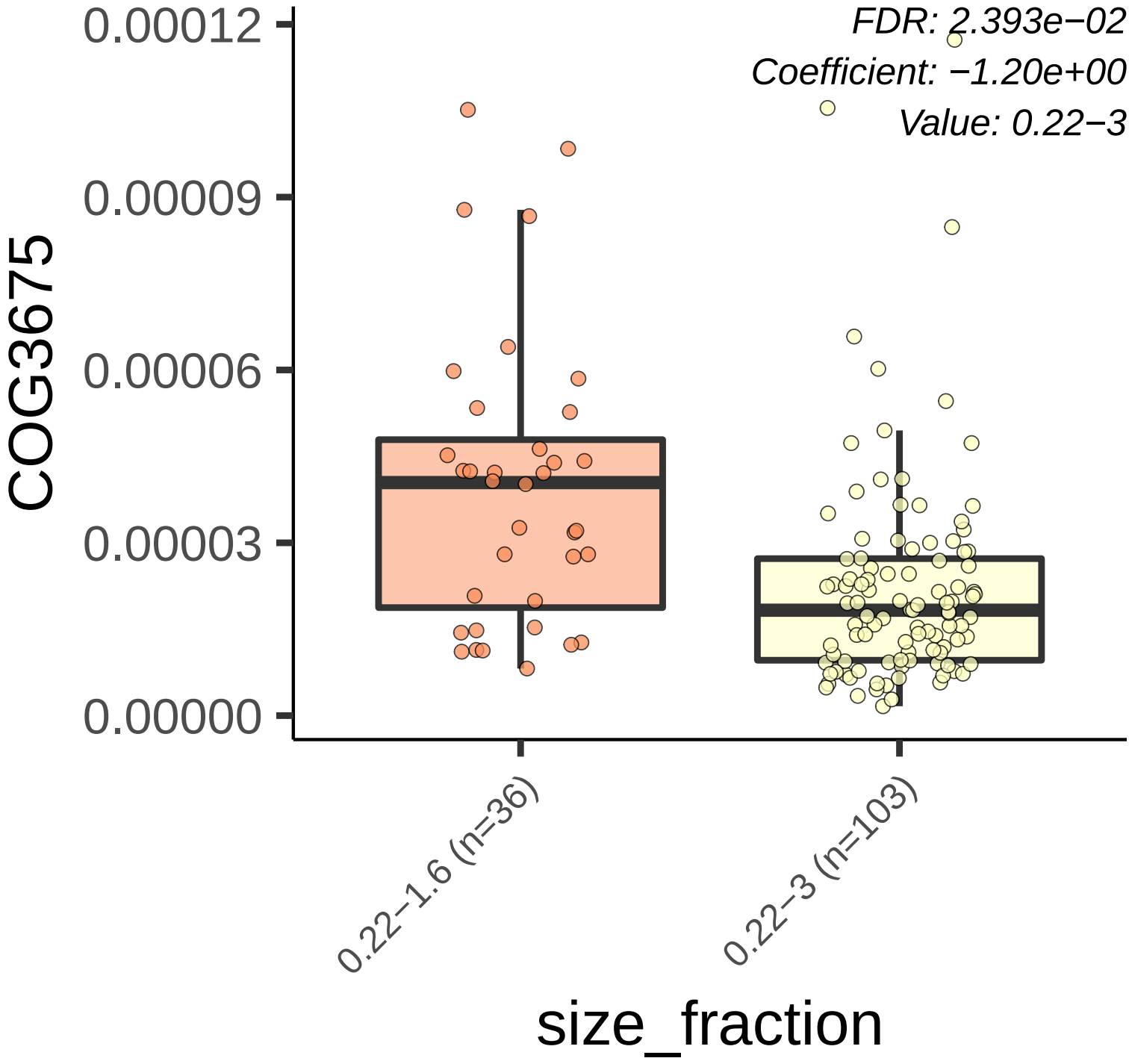

FDR: 2.293e−02
Coefficient: −1.27e+00
Value: 0.22−3
COG5301
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.317e−02
Coefficient: 3.49e+00
Value: 0.22−3
COG1379
5e−05
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.362e−02
Coefficient: 4.50e−01
Value: 0.22−3
COG1816
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.362e−02
Coefficient: 3.32e+00
Value: 0.22−3
COG4678
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.390e−02
Coefficient: −1.73e−01
Value: 0.22−3
6e−04
5e−04
4e−04
3e−04
COG1160
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.393e−02
Coefficient: −1.20e+00
Value: 0.22−3
COG3675
0.00012
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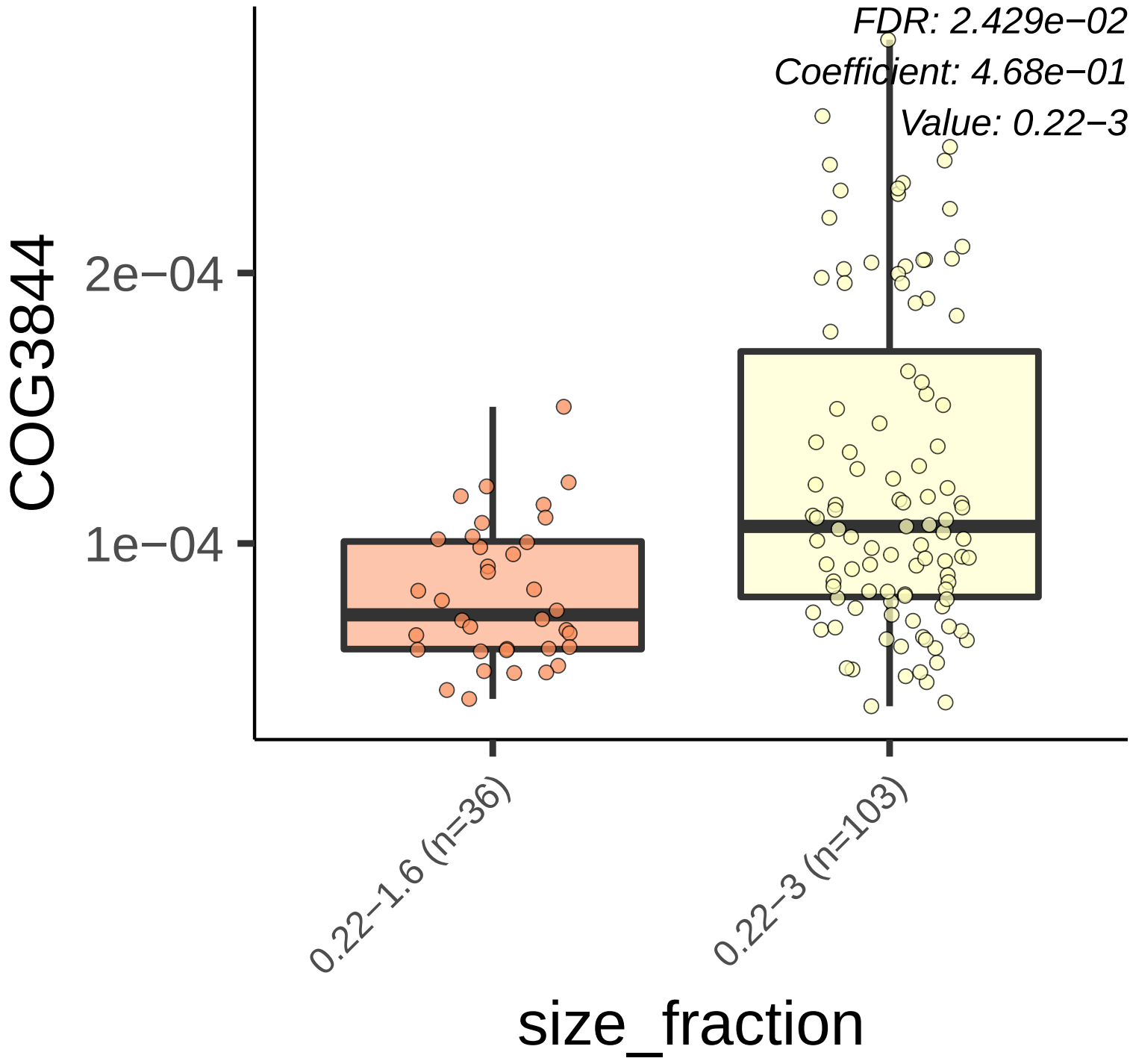
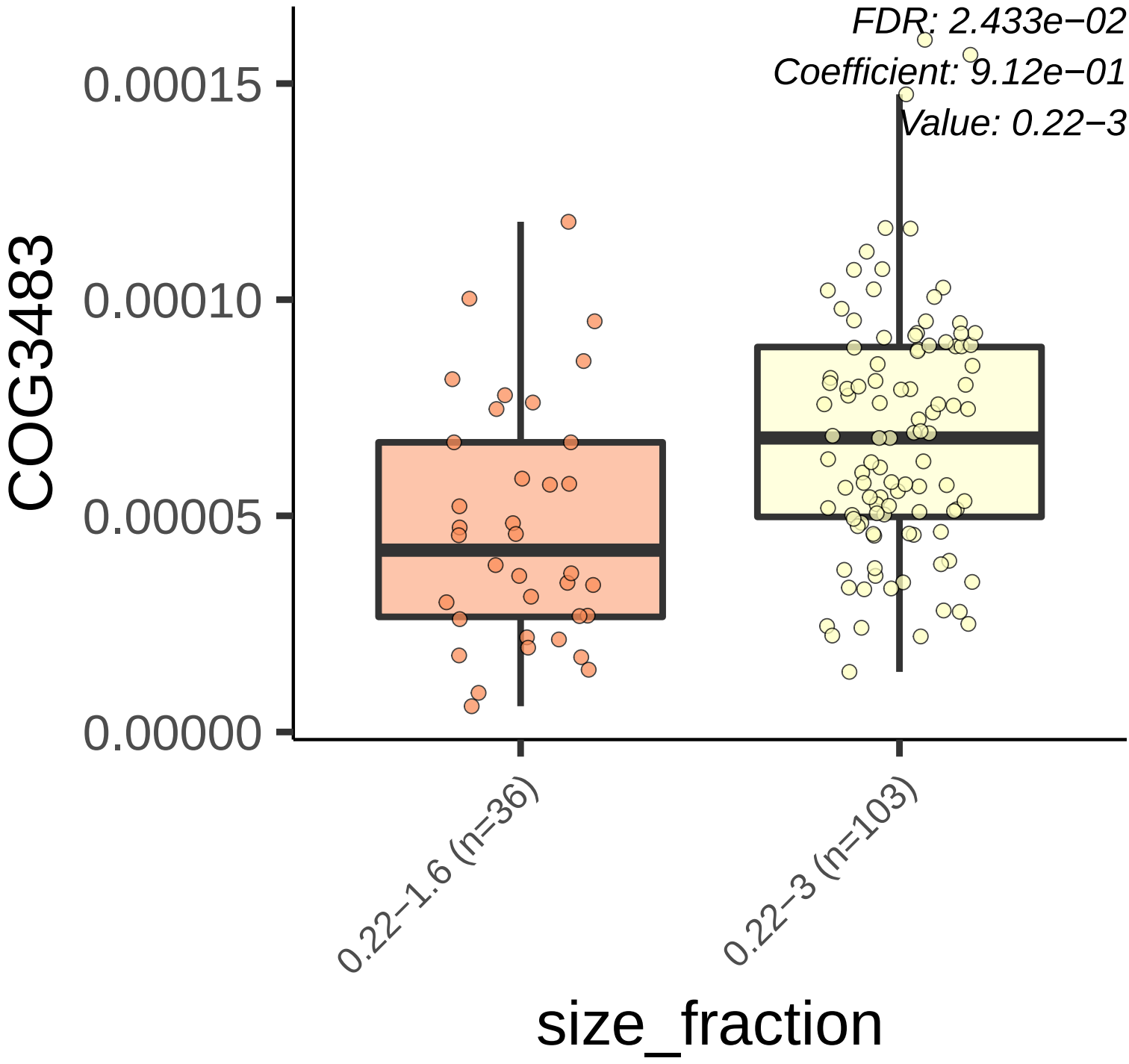
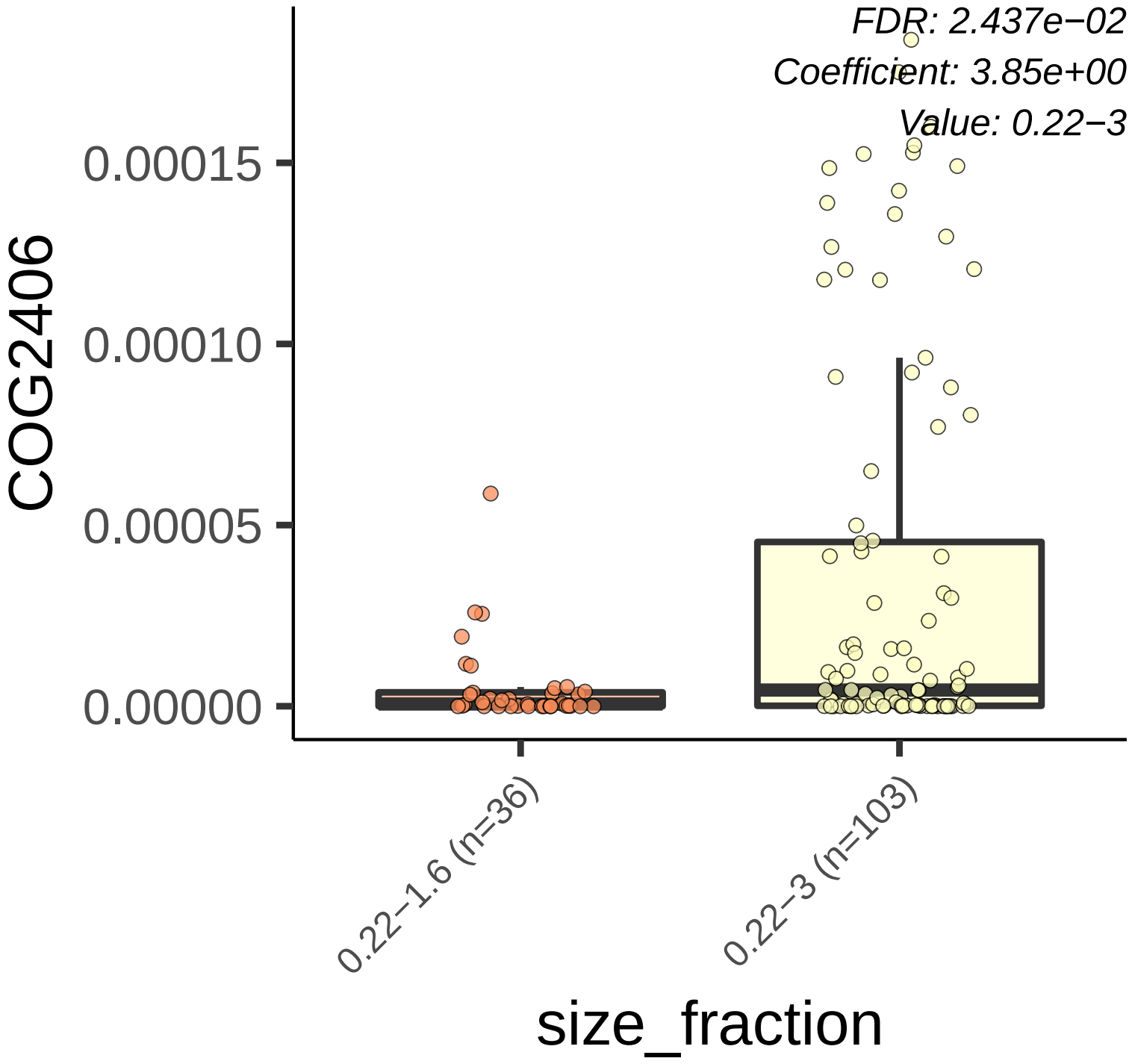
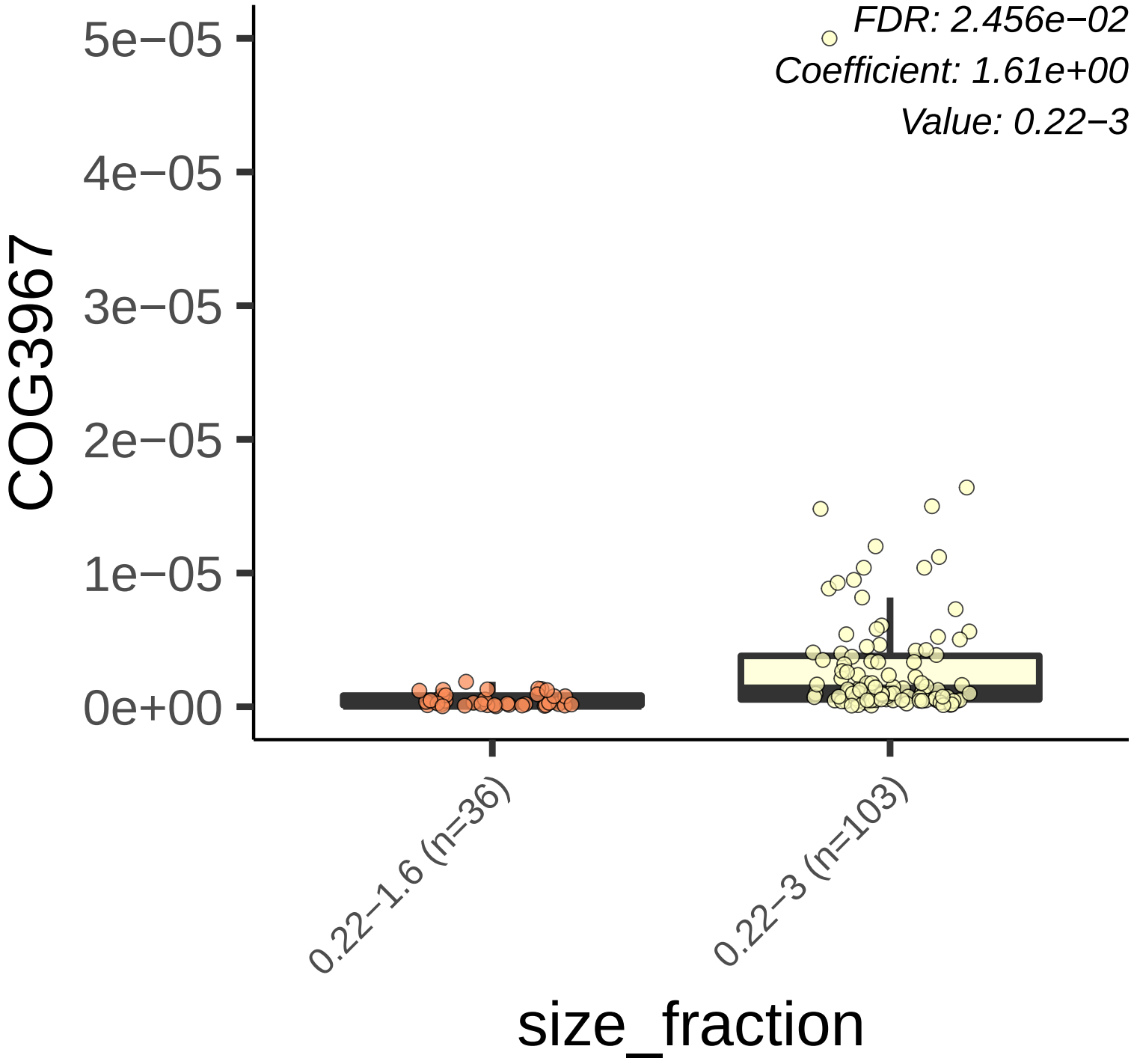
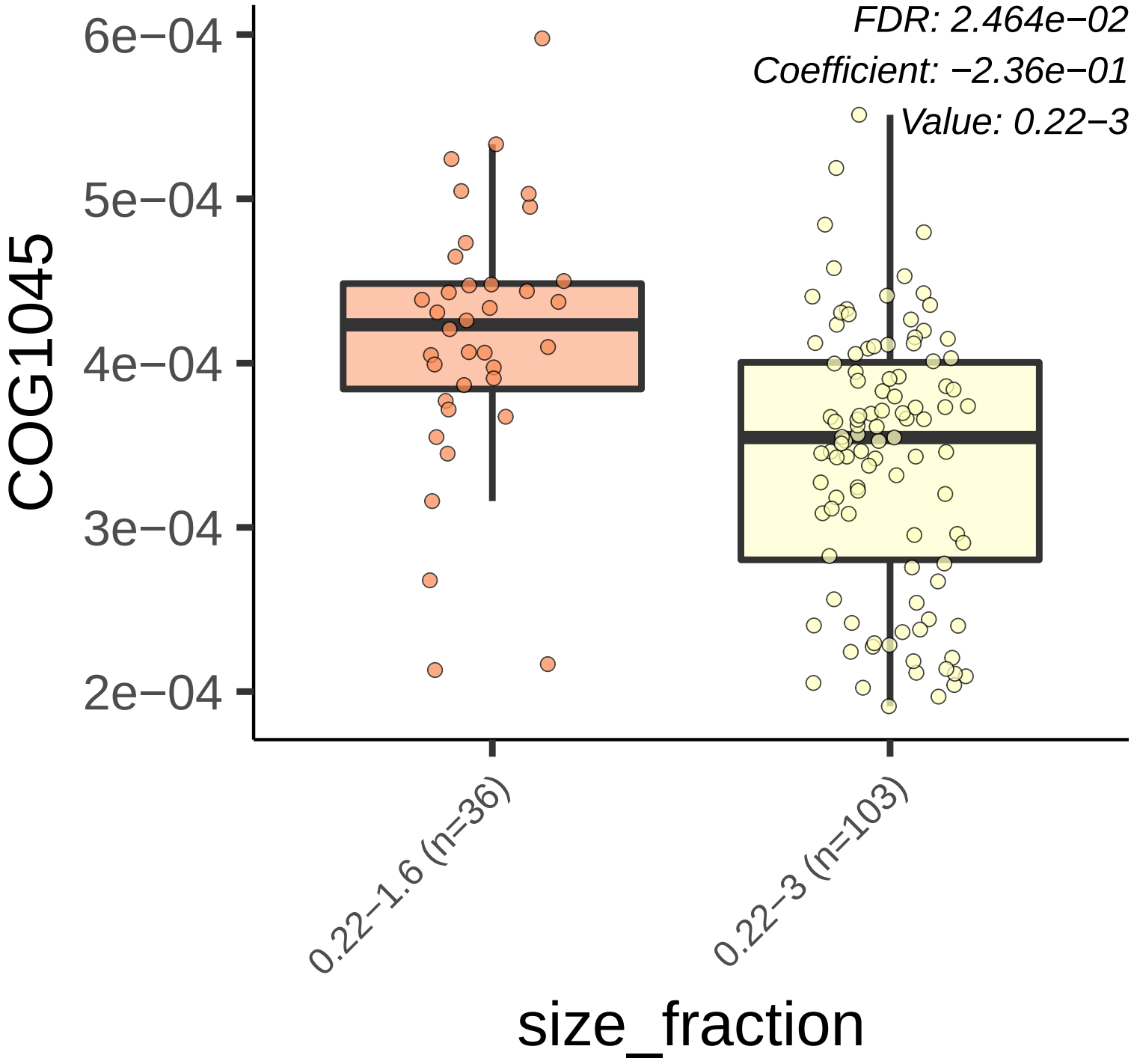
0.00006
0.00003
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

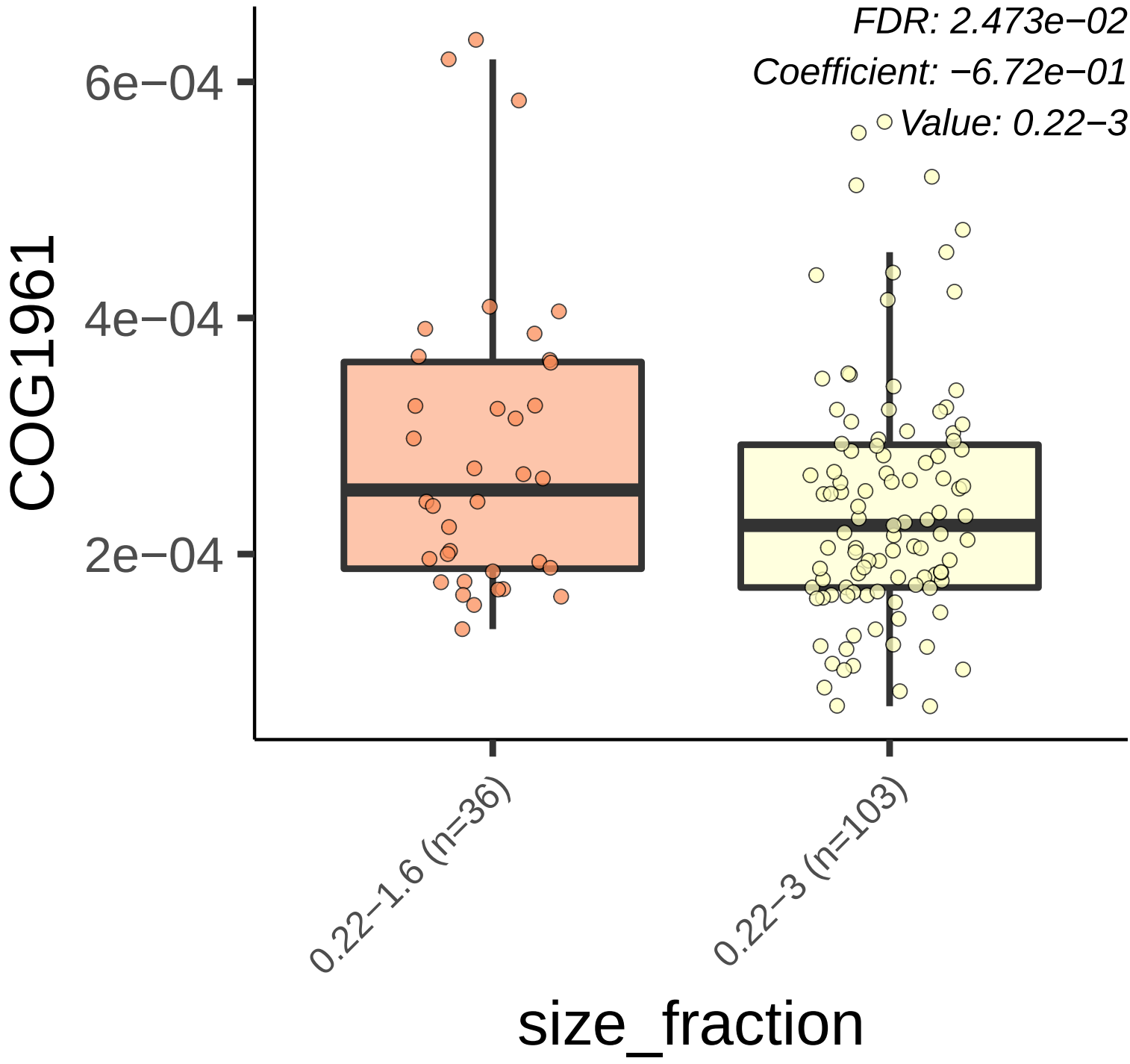

FDR: 2.429e−02
Coefficient: 4.68e−01
Value: 0.22−3
COG3844
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

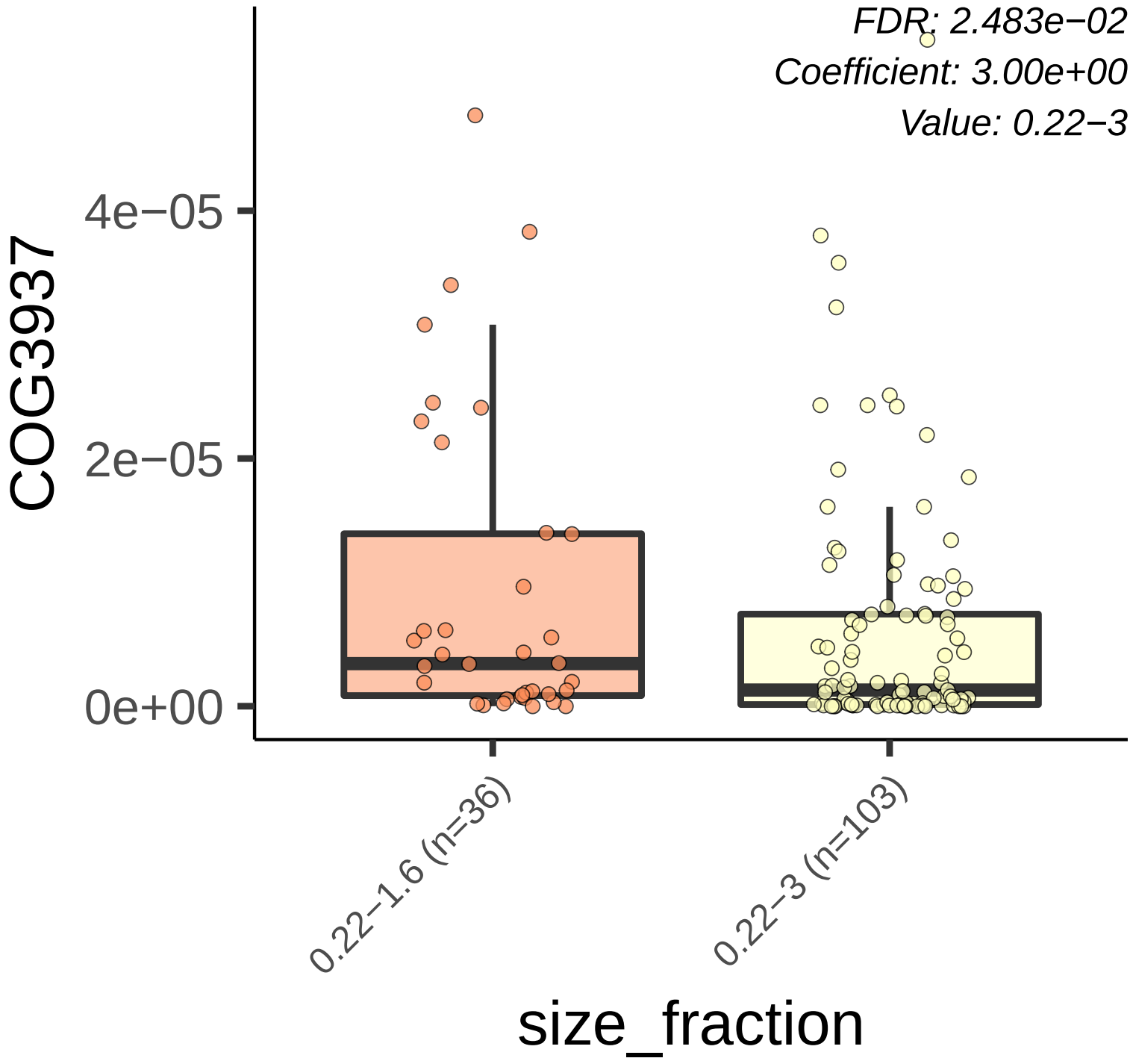

FDR: 2.433e−02
Coefficient: 9.12e−01
Value: 0.22−3
COG3483
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

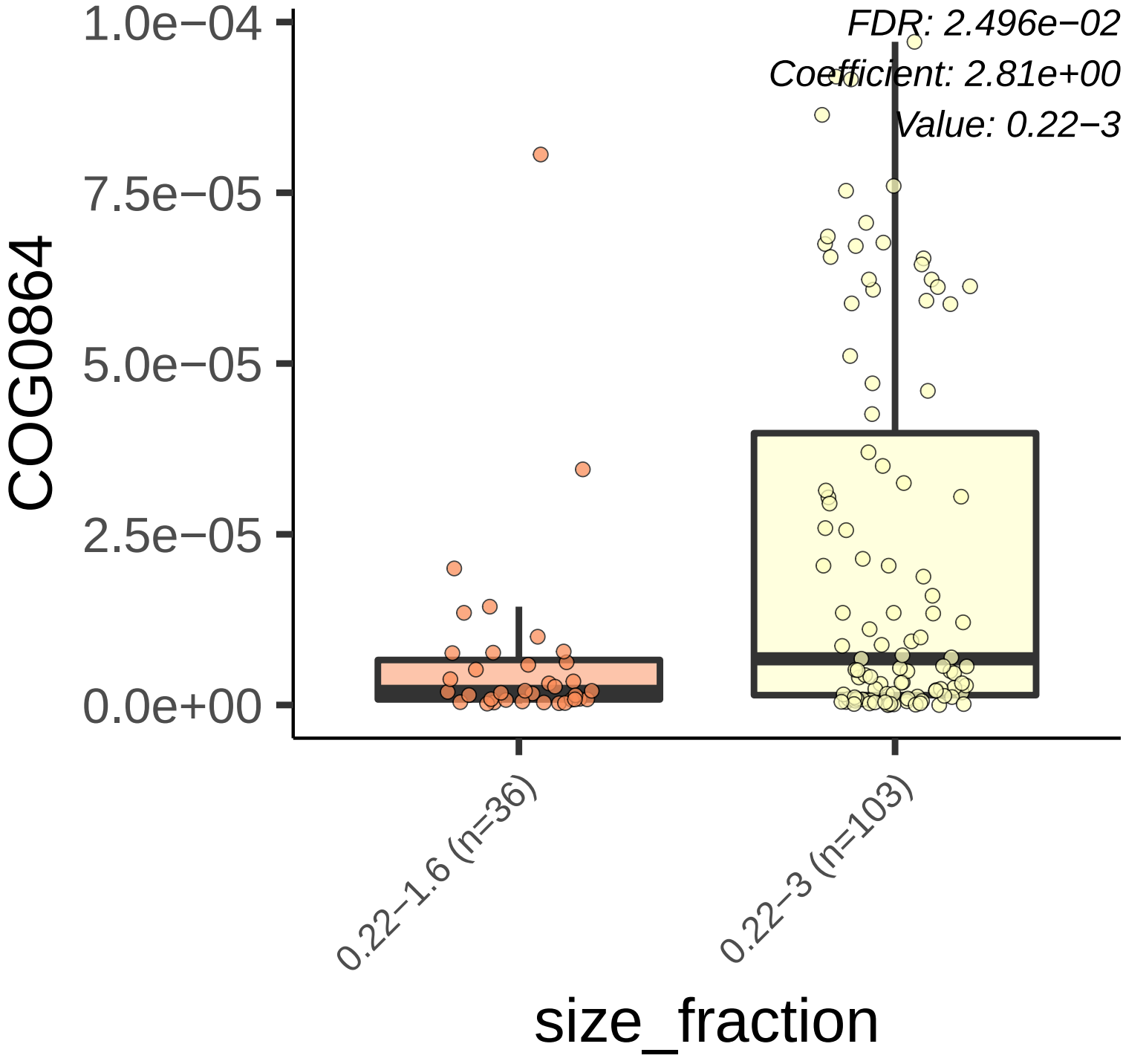

FDR: 2.437e−02
Coefficient: 3.85e+00
Value: 0.22−3
COG2406
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

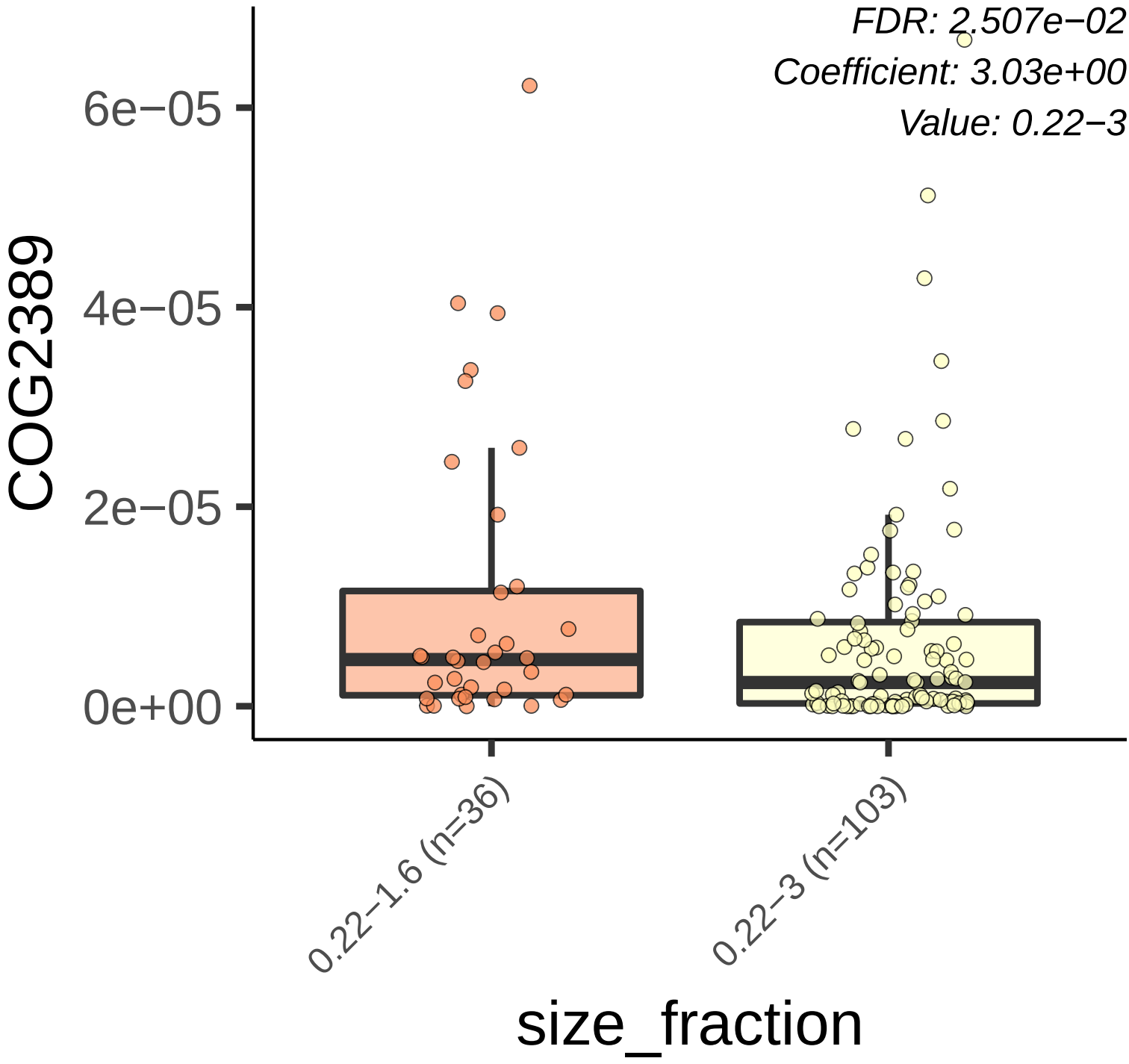

FDR: 2.456e−02
Coefficient: 1.61e+00
Value: 0.22−3
COG3967
5e−05
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

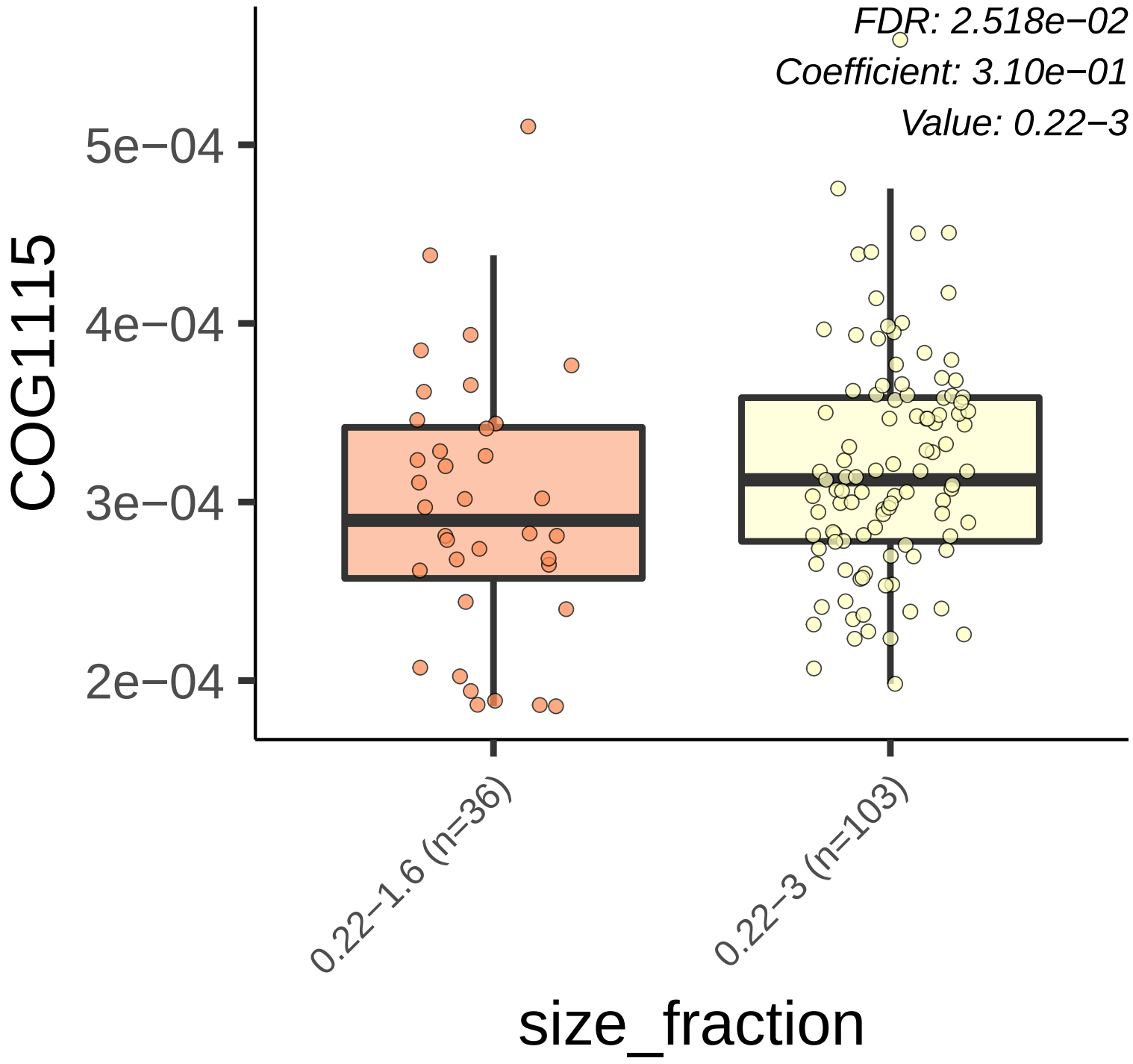

FDR: 2.464e−02
Coefficient: −2.36e−01
Value: 0.22−3
6e−04
5e−04
4e−04
3e−04
2e−04
COG1045
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

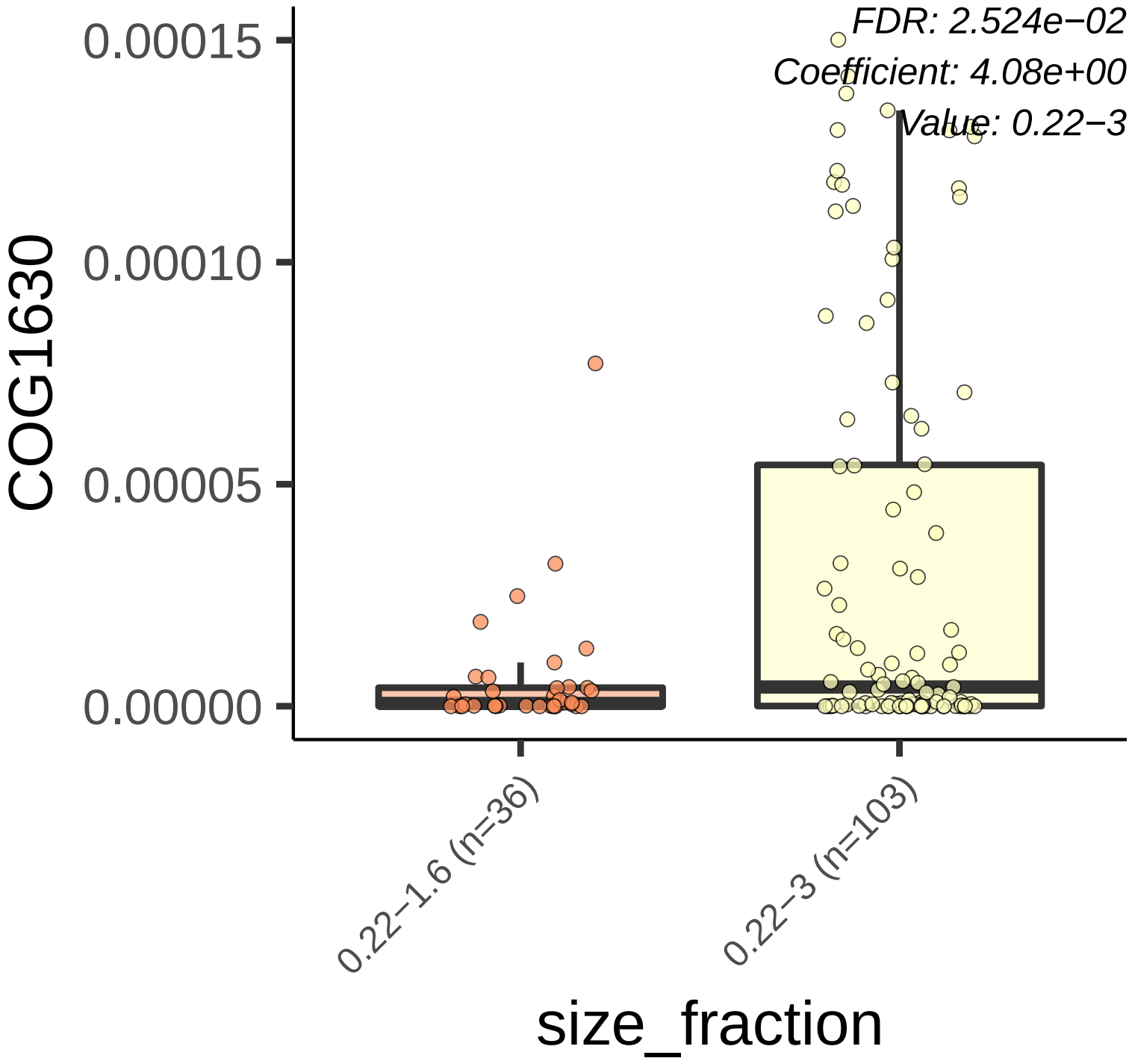

FDR: 2.473e−02
Coefficient: −6.72e−01
Value: 0.22−3
COG1961
6e−04
4e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

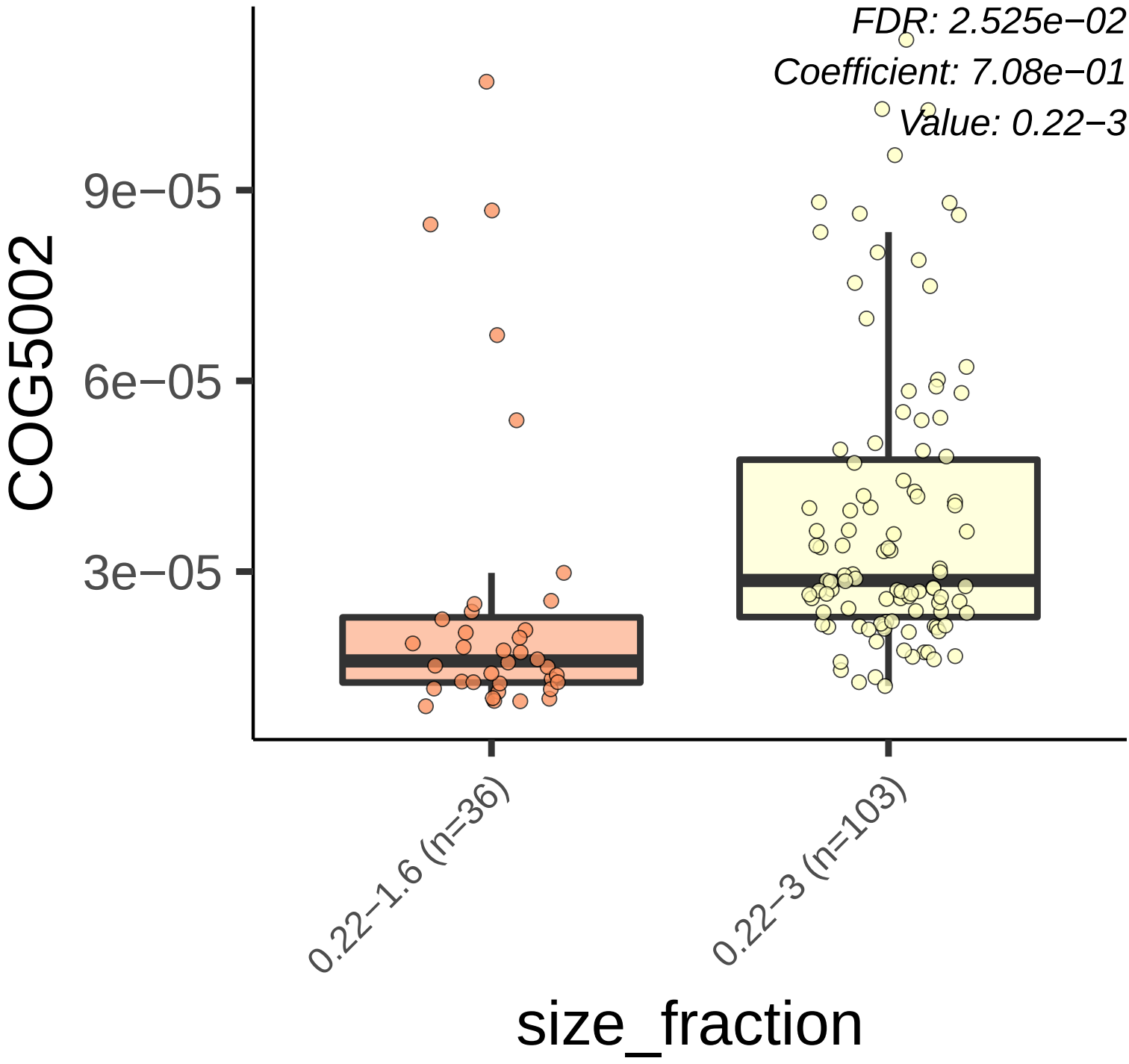

FDR: 2.483e−02
Coefficient: 3.00e+00
Value: 0.22−3
COG3937
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

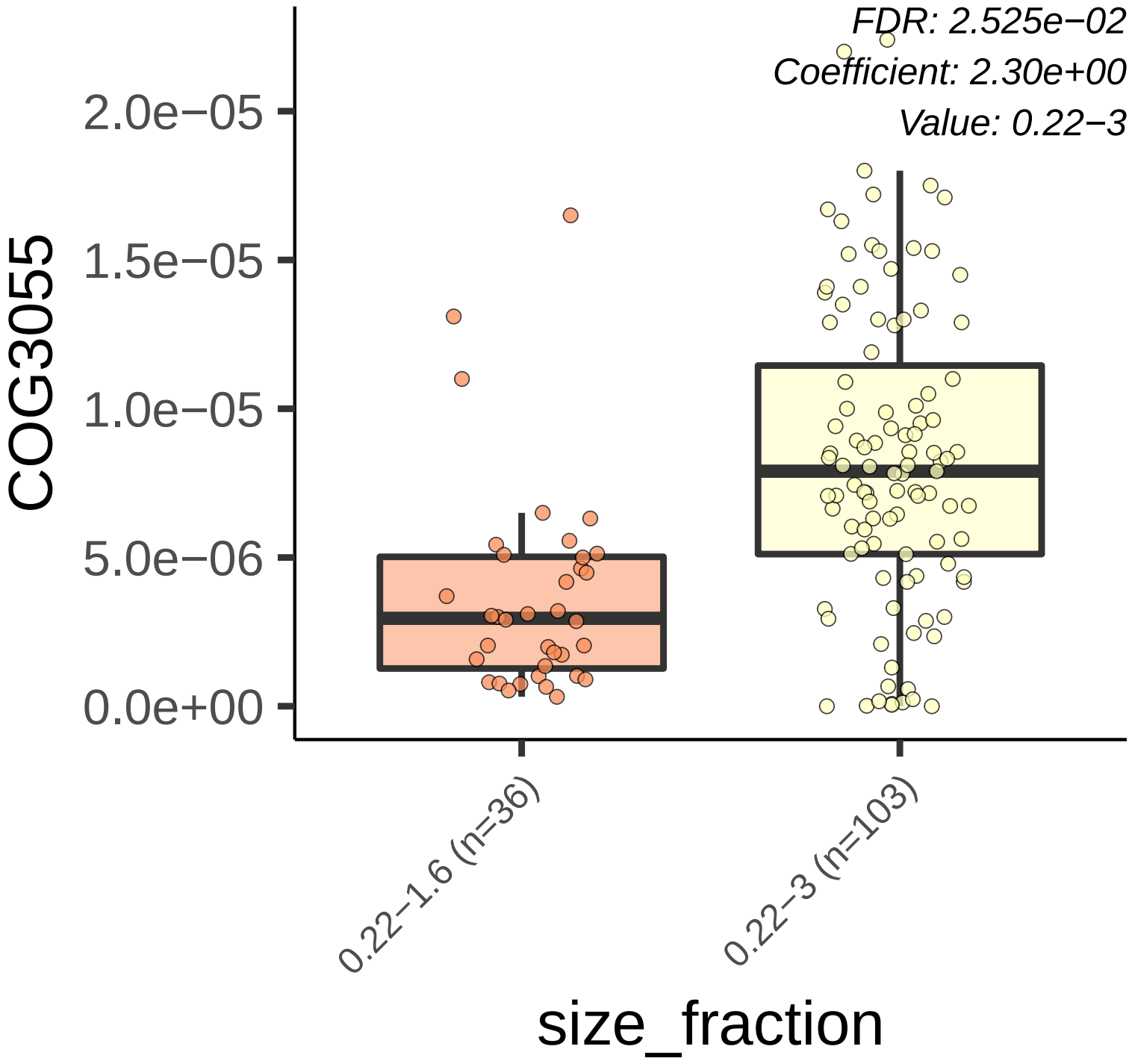

FDR: 2.496e−02
Coefficient: 2.81e+00
Value: 0.22−3
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG0864
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

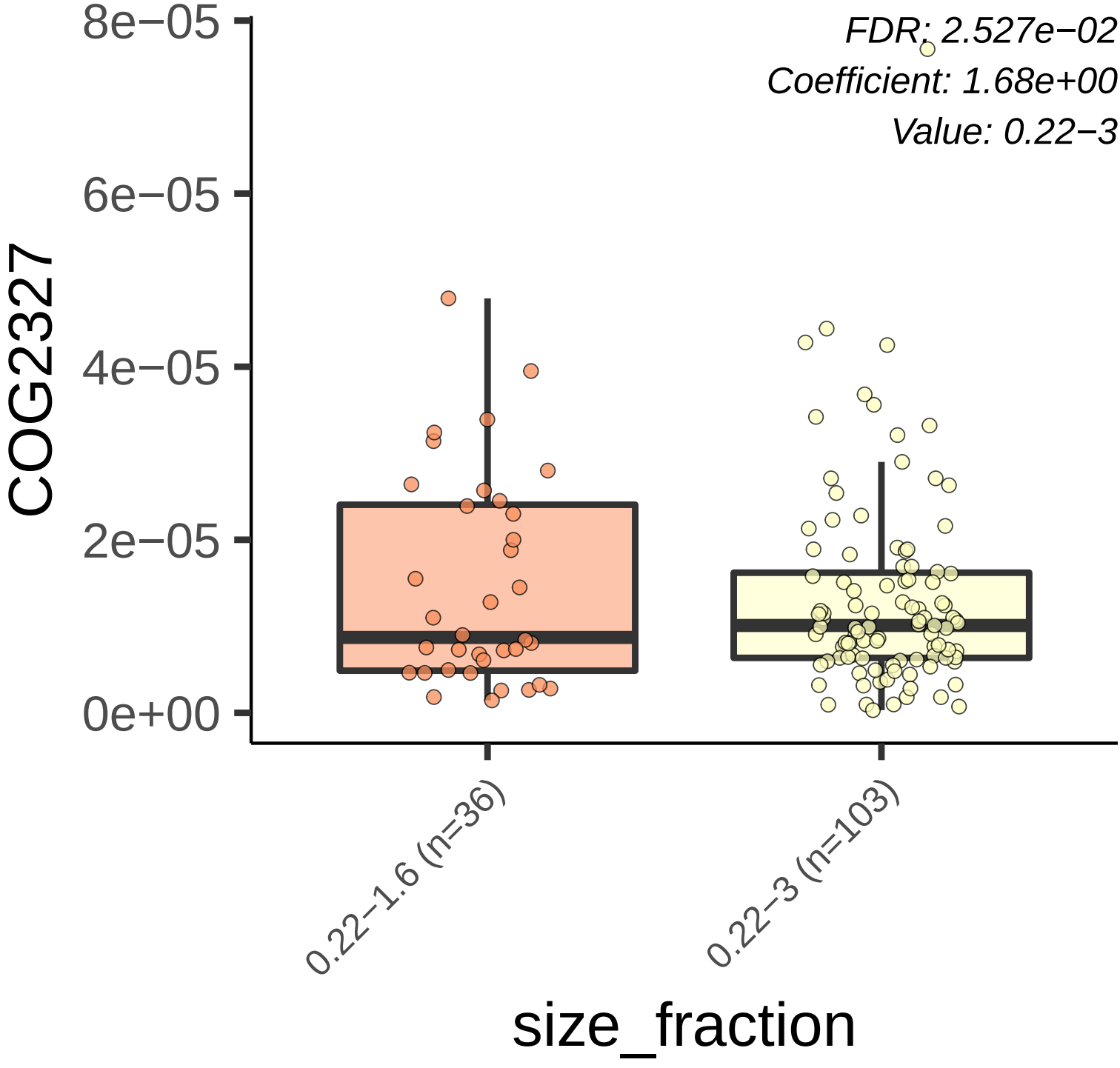

FDR: 2.507e−02
Coefficient: 3.03e+00
Value: 0.22−3
COG2389
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

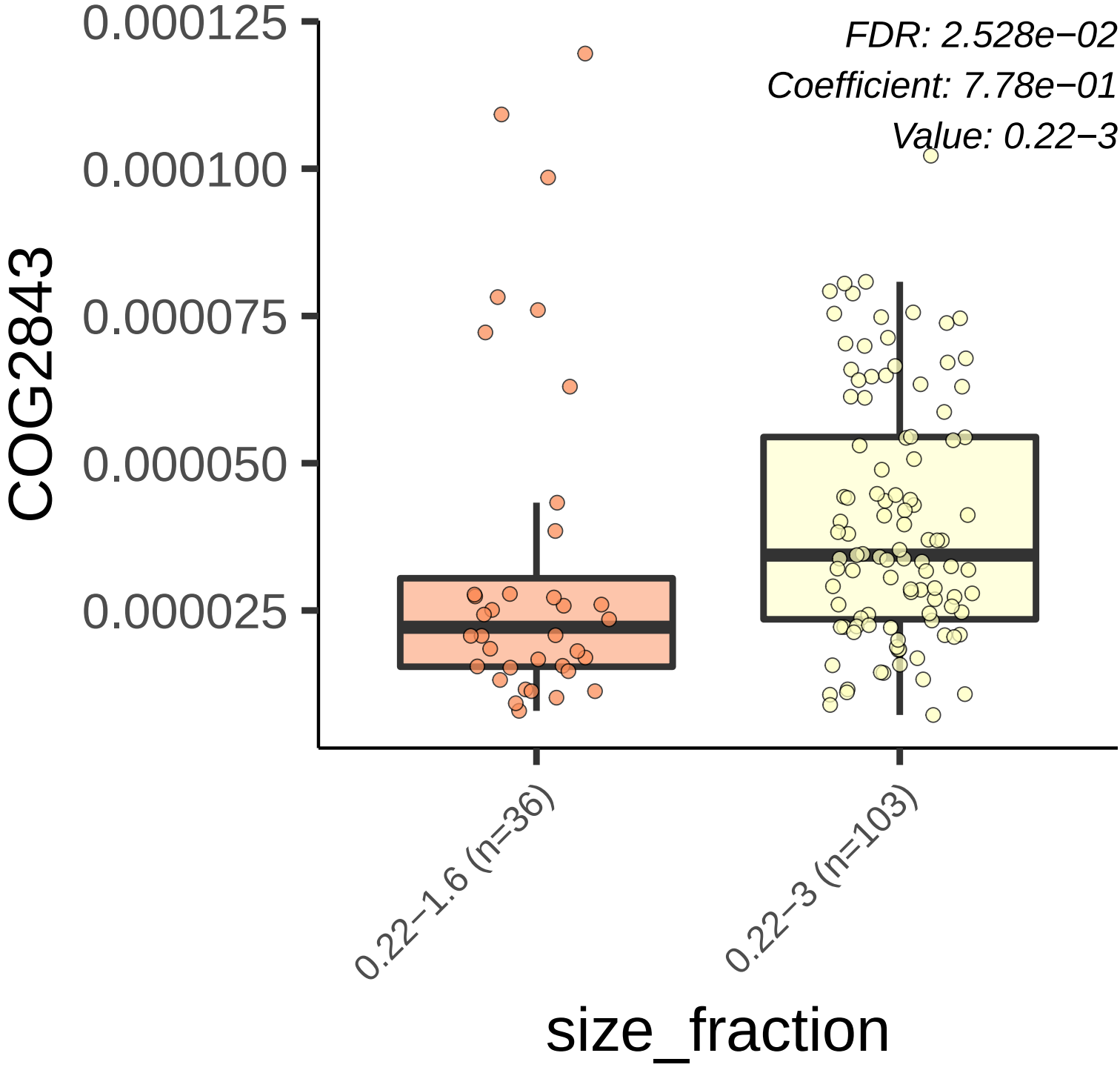

FDR: 2.518e−02
Coefficient: 3.10e−01
Value: 0.22−3
COG1115
5e−04
4e−04
3e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

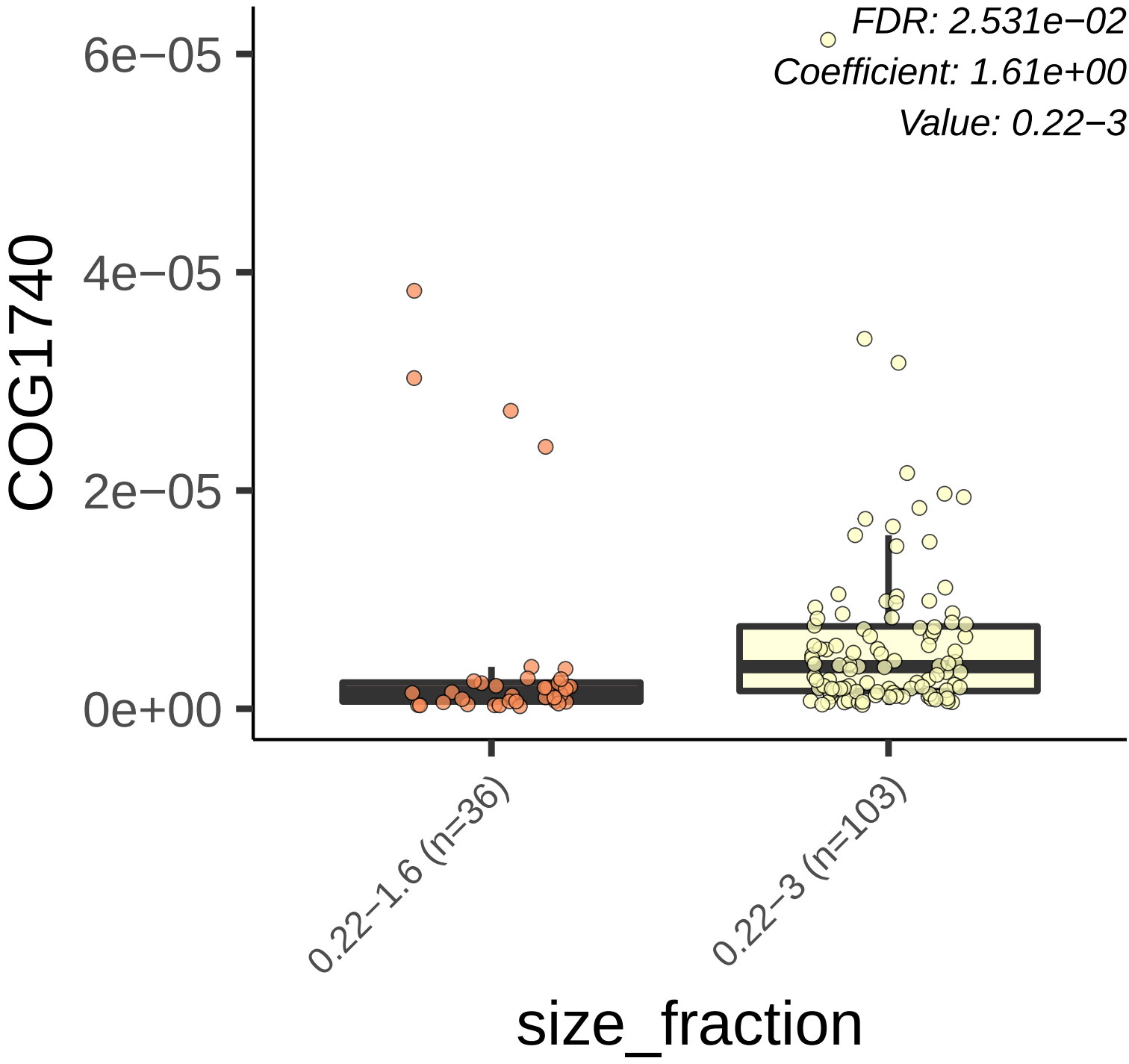

FDR: 2.524e−02
Coefficient: 4.08e+00
Value: 0.22−3
COG1630
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

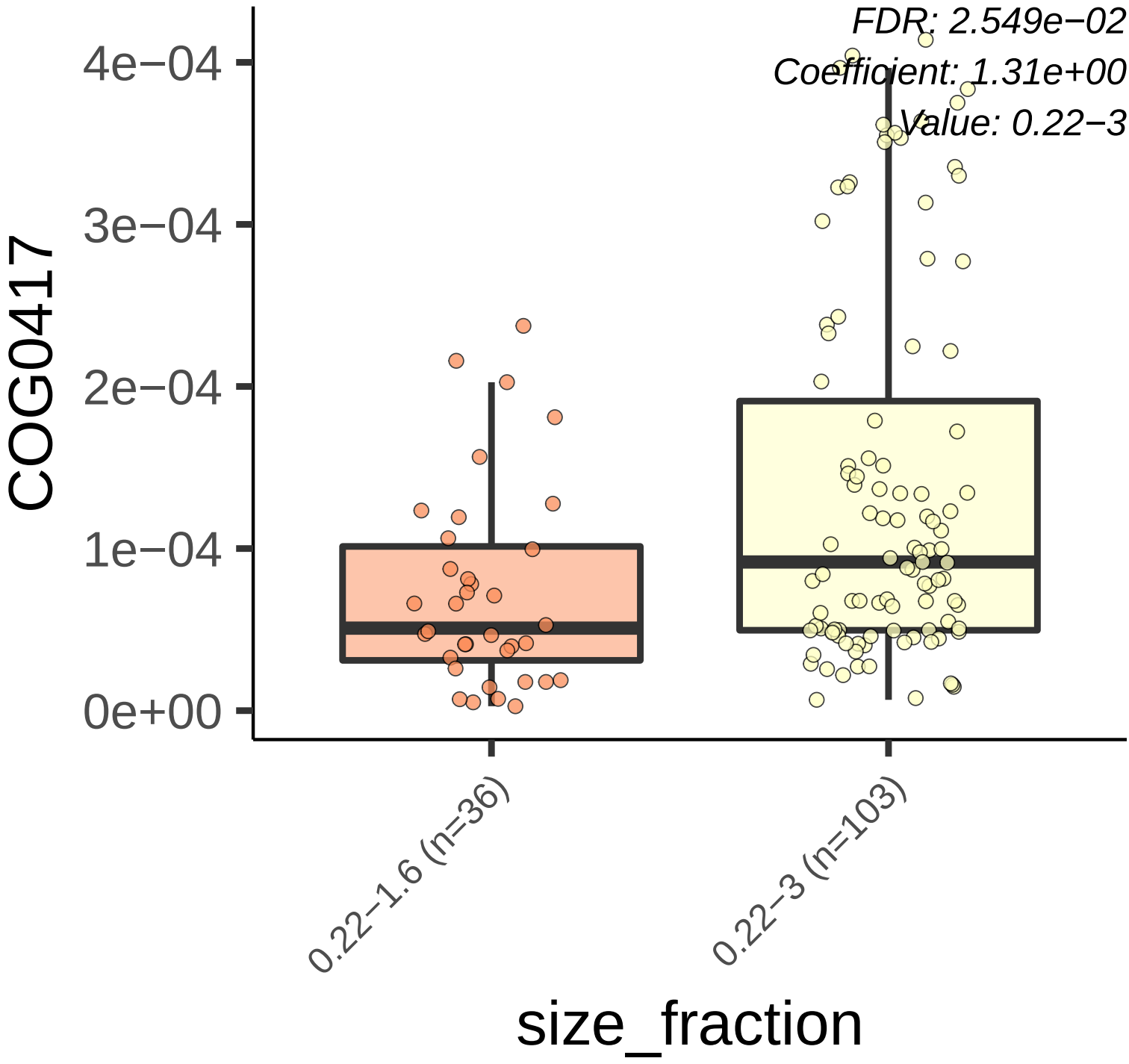

FDR: 2.525e−02
Coefficient: 7.08e−01
Value: 0.22−3
COG5002
9e−05
6e−05
3e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

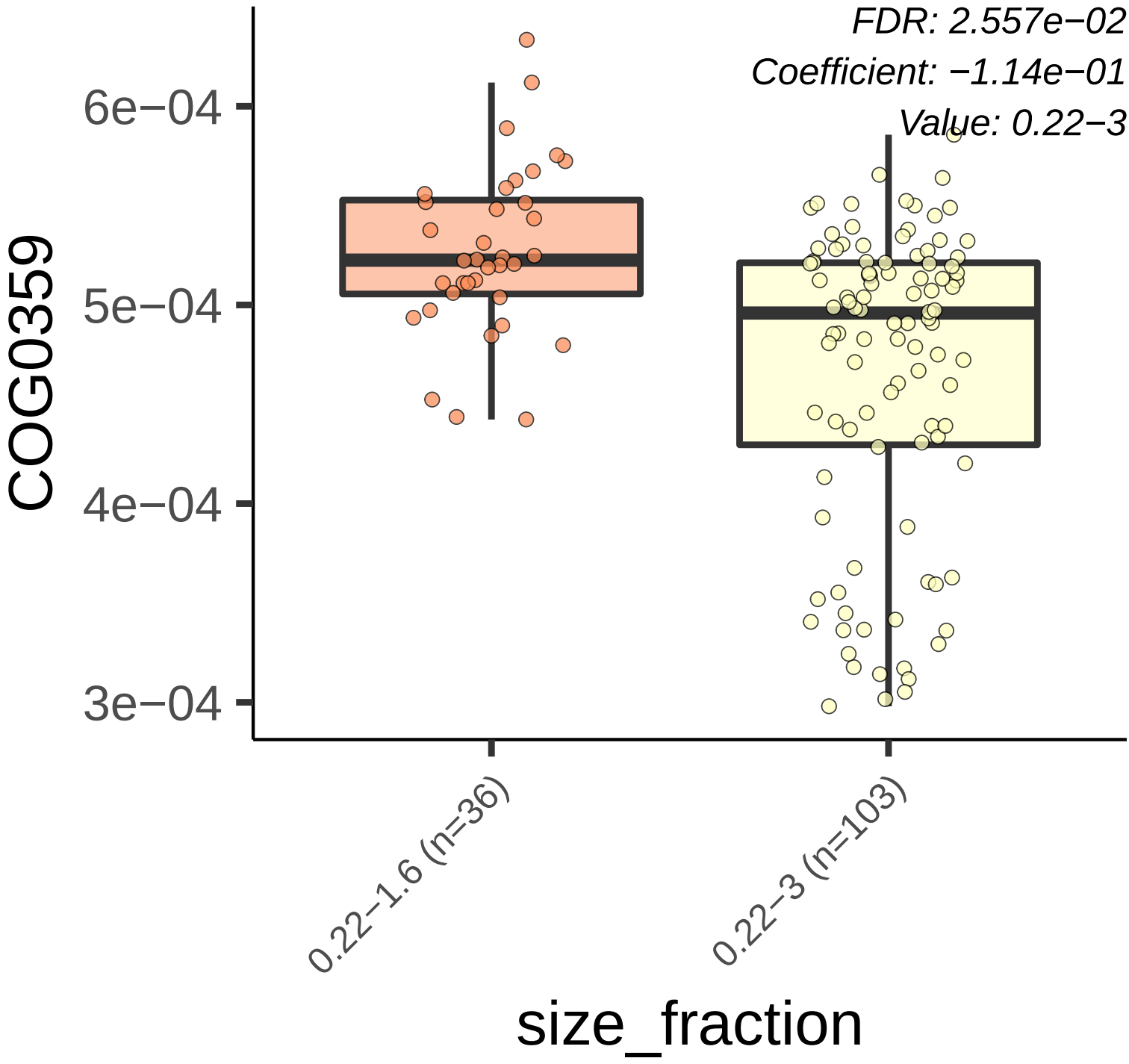

FDR: 2.525e−02
Coefficient: 2.30e+00
Value: 0.22−3
COG3055
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

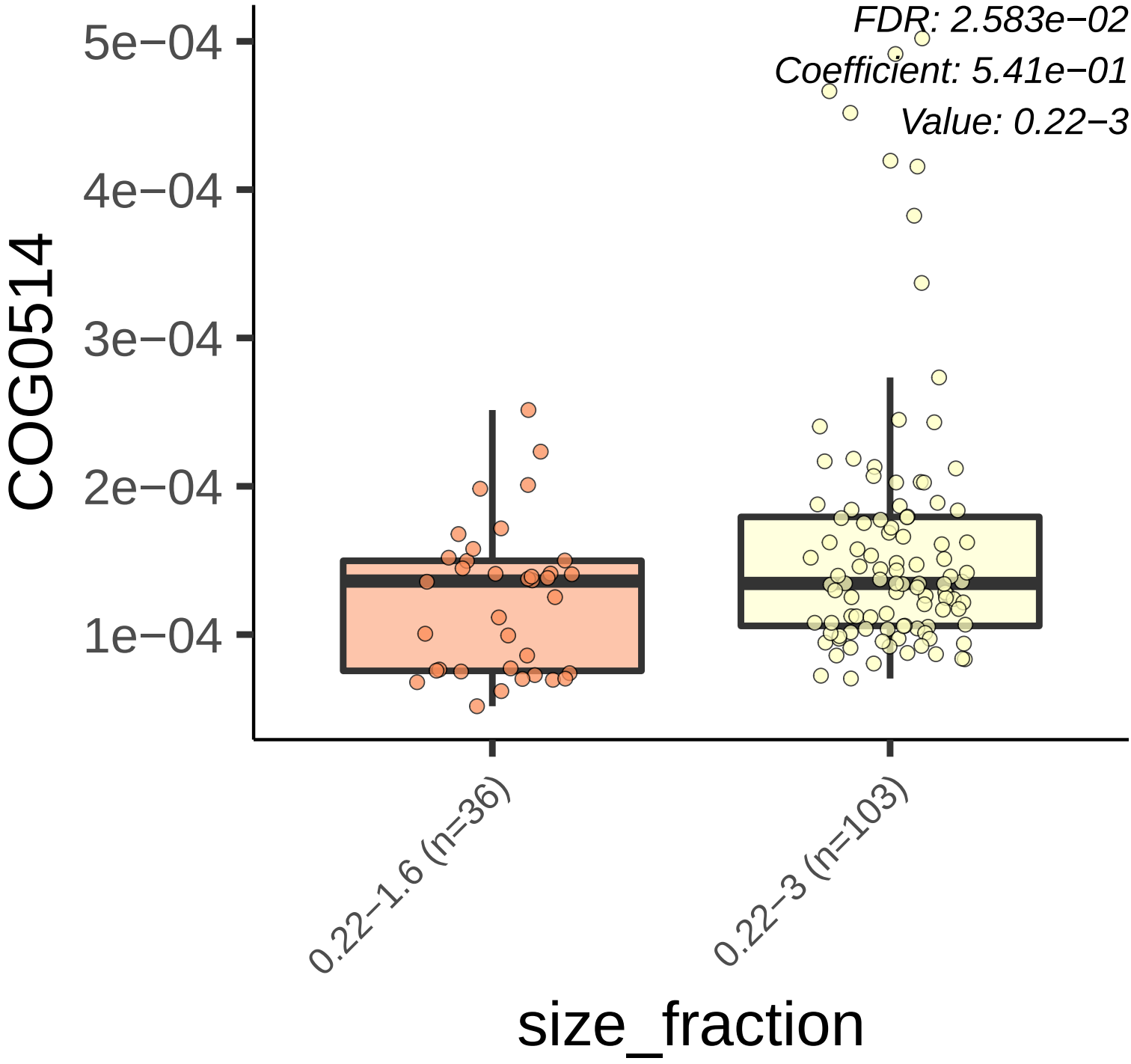

FDR: 2.527e−02
Coefficient: 1.68e+00
Value: 0.22−3
COG2327
8e−05
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

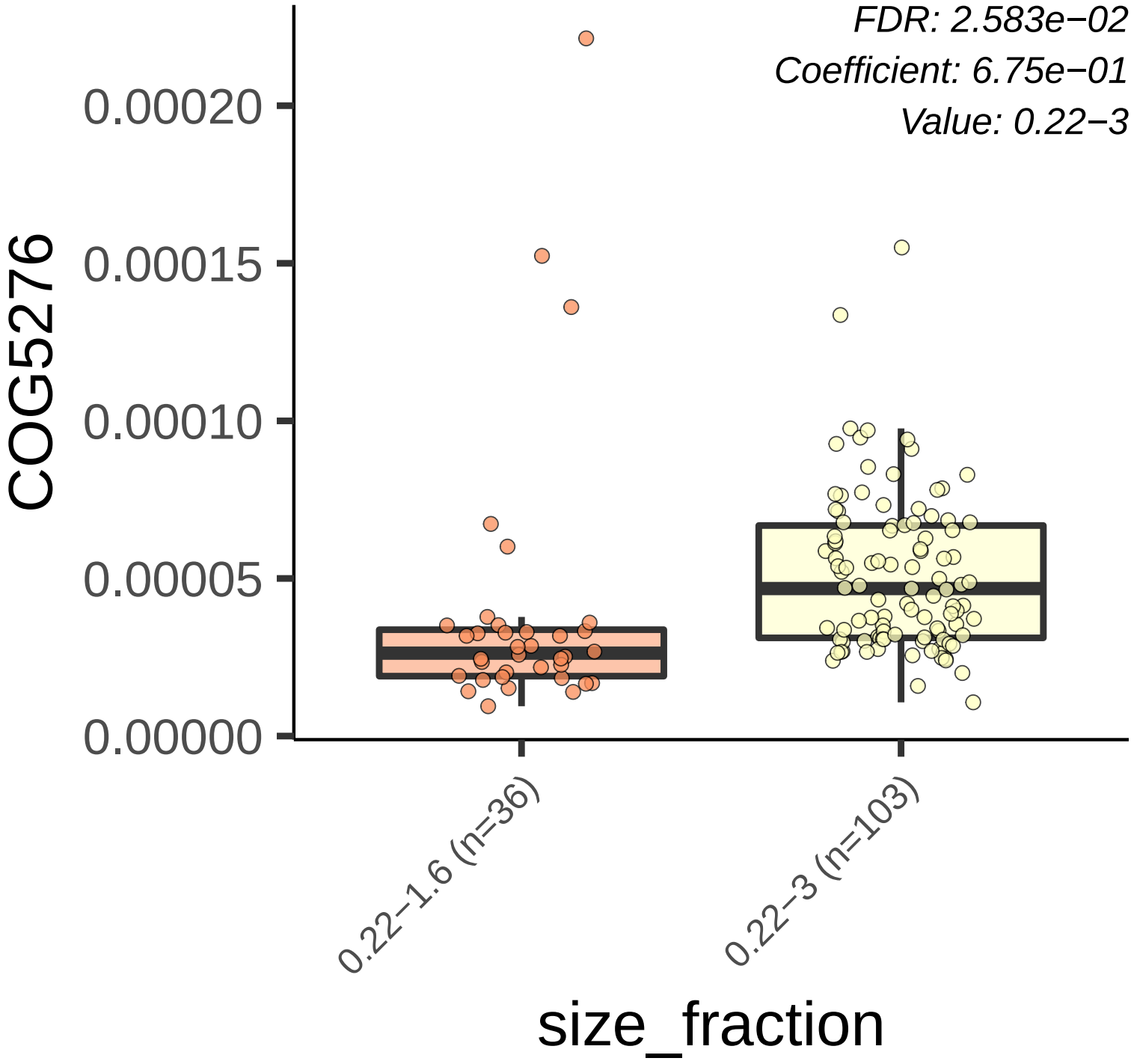

FDR: 2.528e−02
Coefficient: 7.78e−01
Value: 0.22−3
COG2843
0.000125
0.000100
0.000075
0.000050
0.000025
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.531e−02
Coefficient: 1.61e+00
Value: 0.22−3
COG1740
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.549e−02
Coefficient: 1.31e+00
Value: 0.22−3
COG0417
4e−04
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.557e−02
Coefficient: −1.14e−01
Value: 0.22−3
COG0359
6e−04
5e−04
4e−04
3e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.583e−02
Coefficient: 5.41e−01
Value: 0.22−3
COG0514
5e−04
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.583e−02
Coefficient: 6.75e−01
Value: 0.22−3
COG5276
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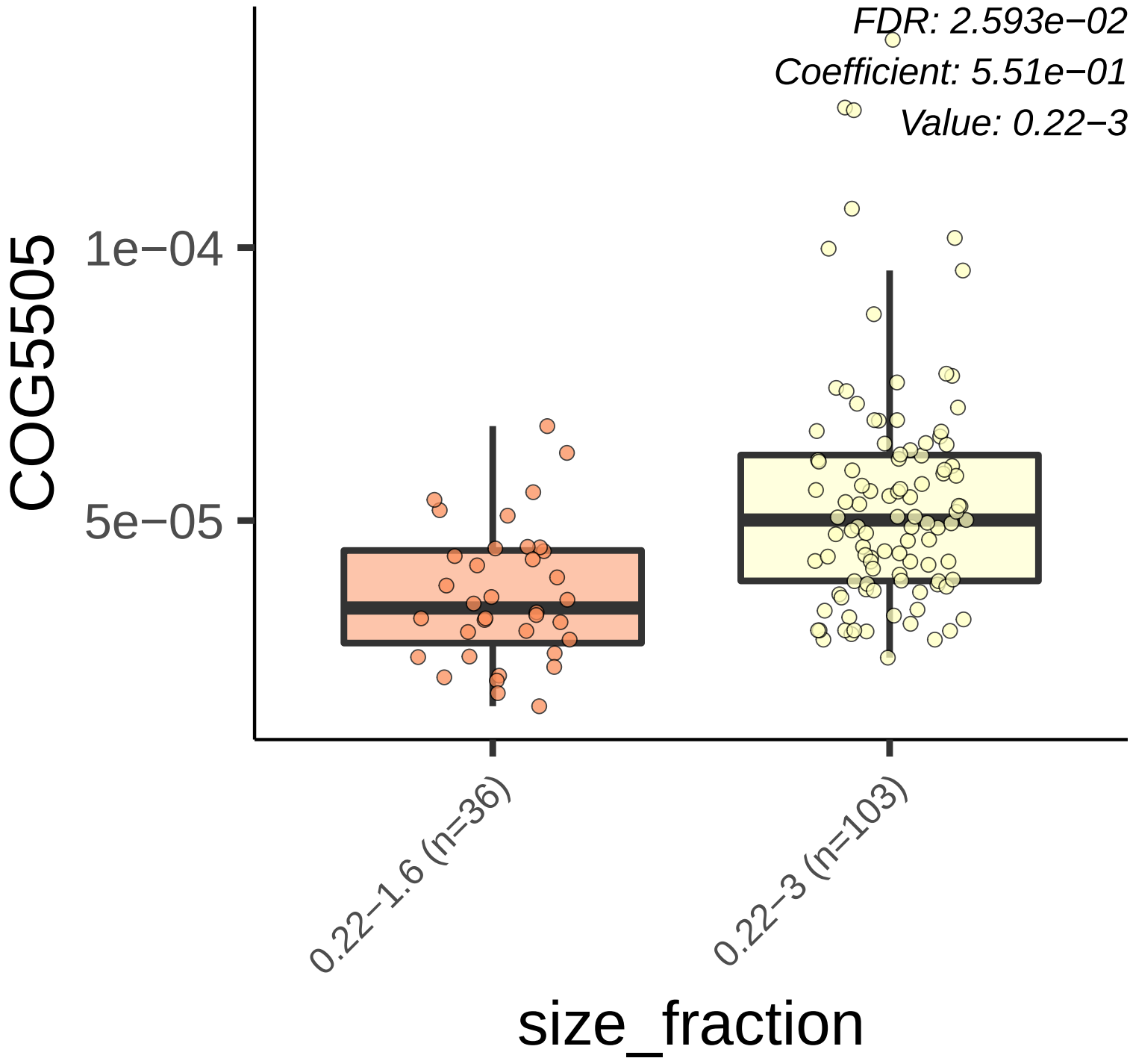
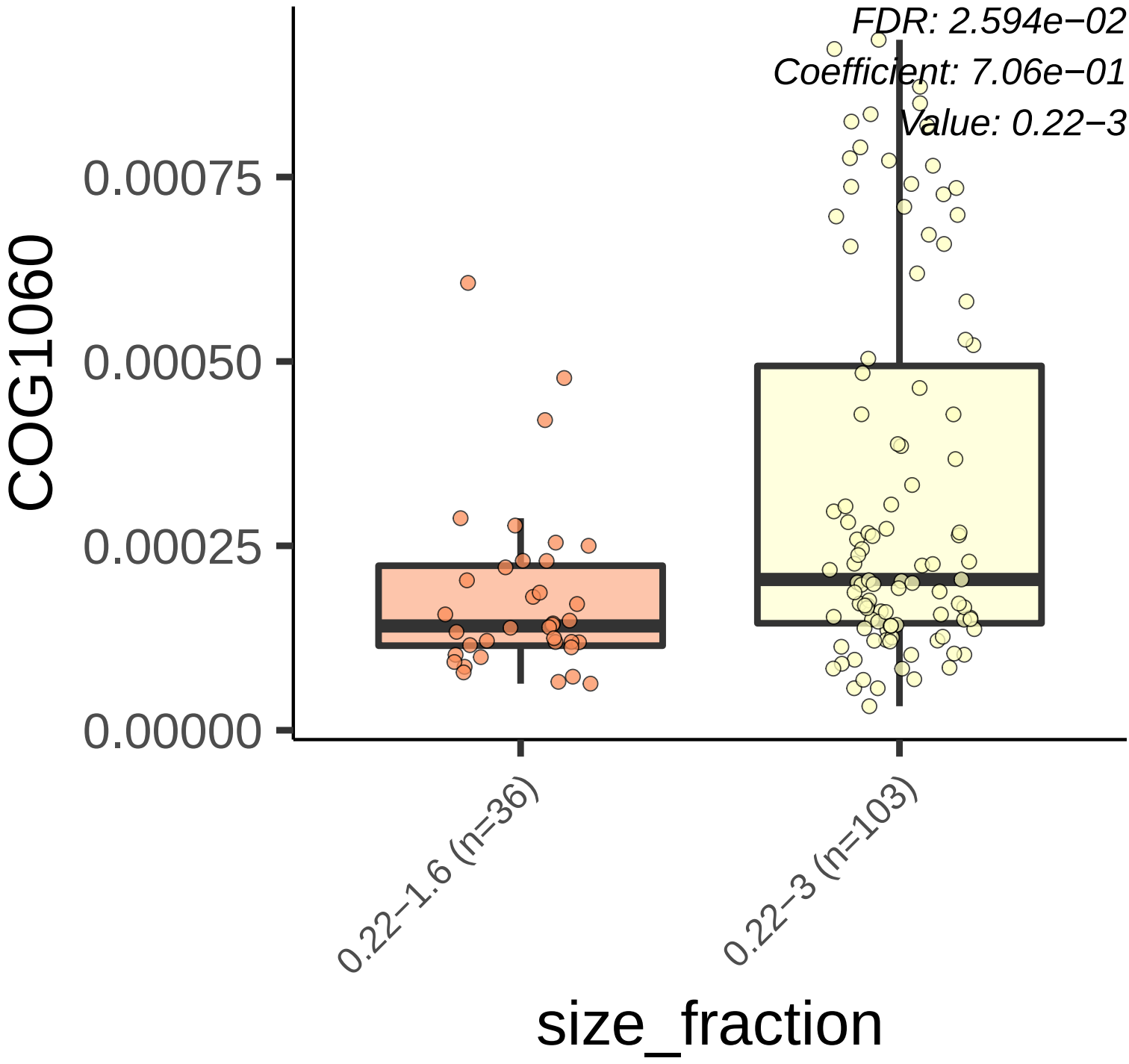
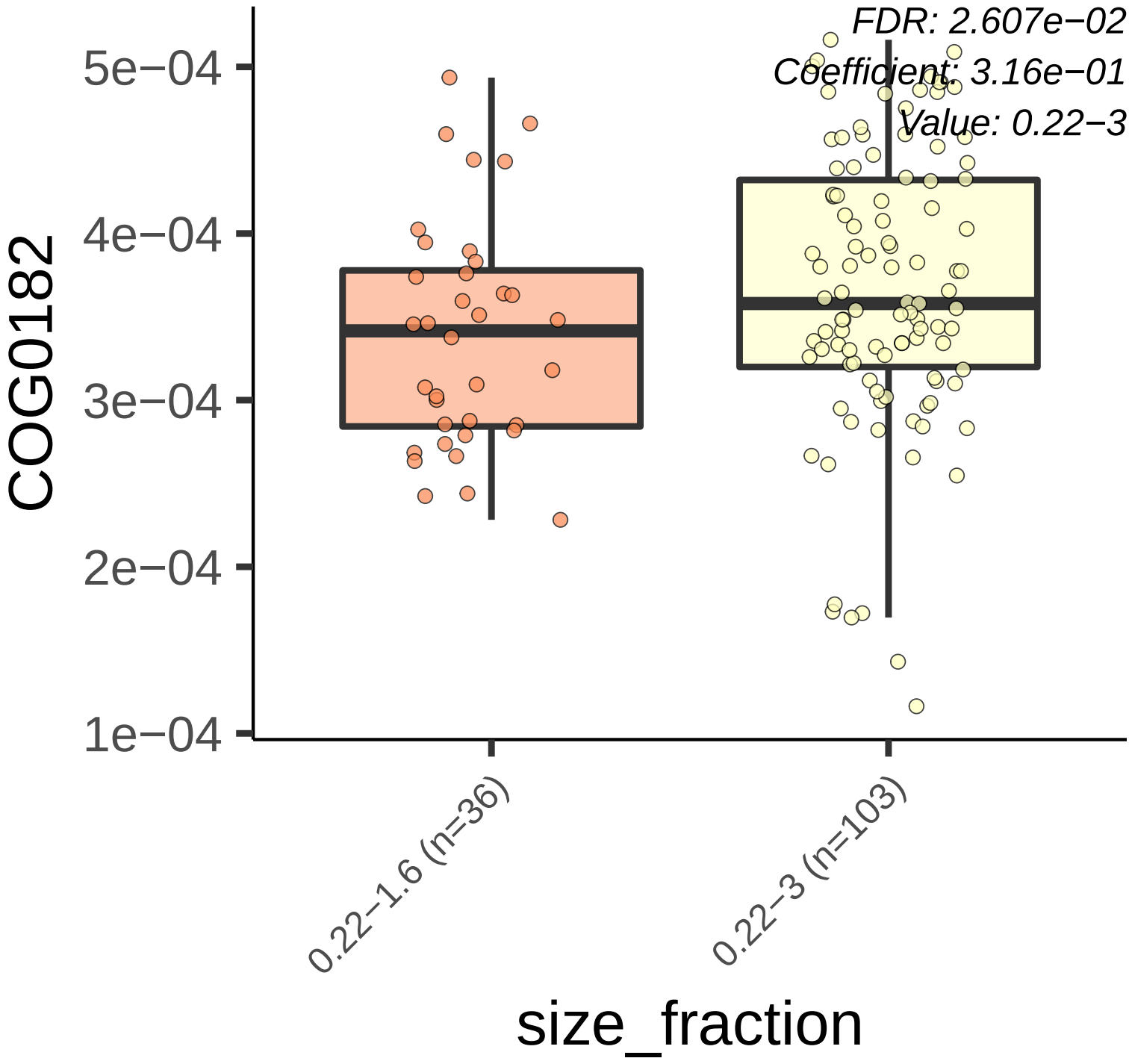
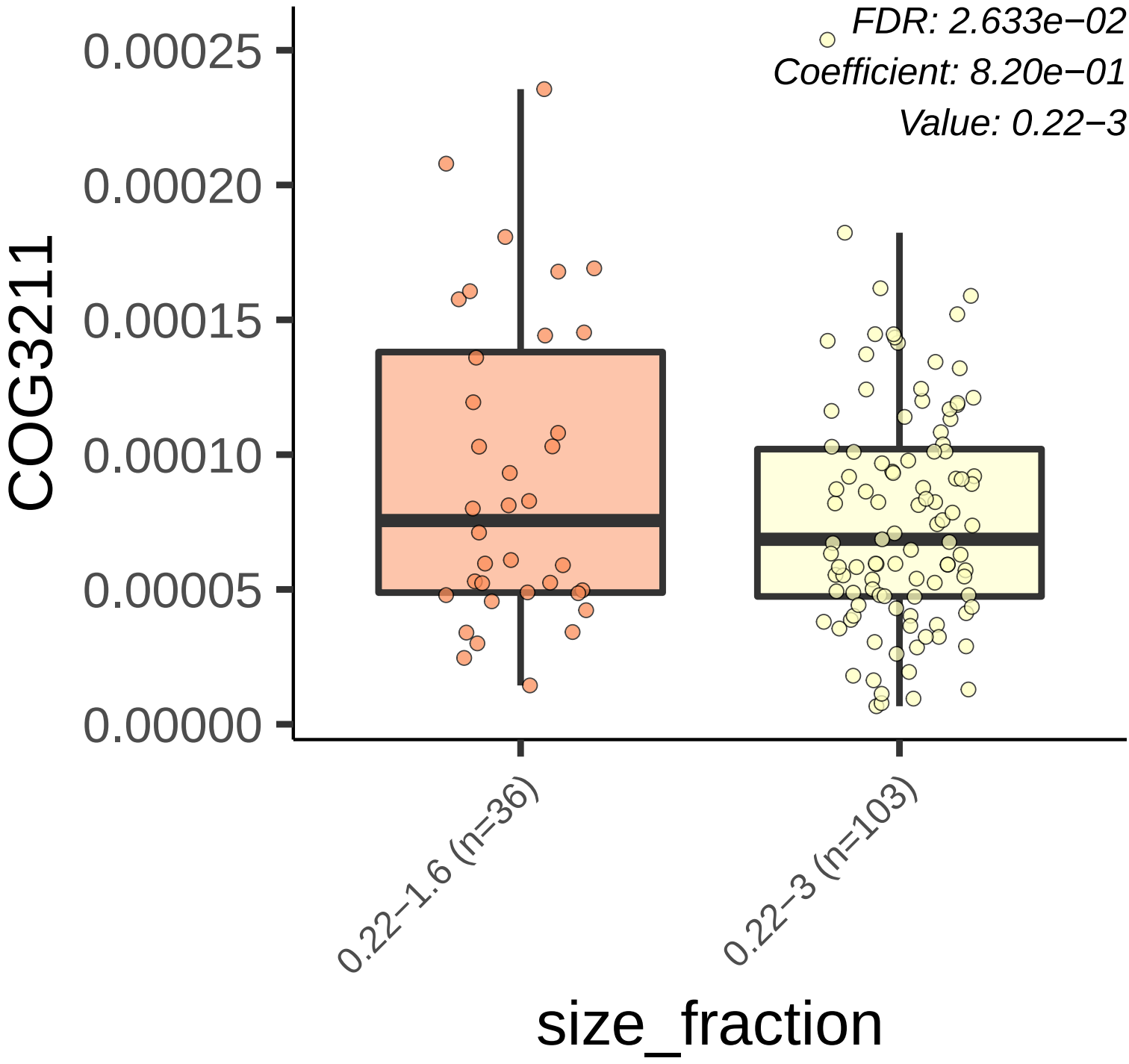
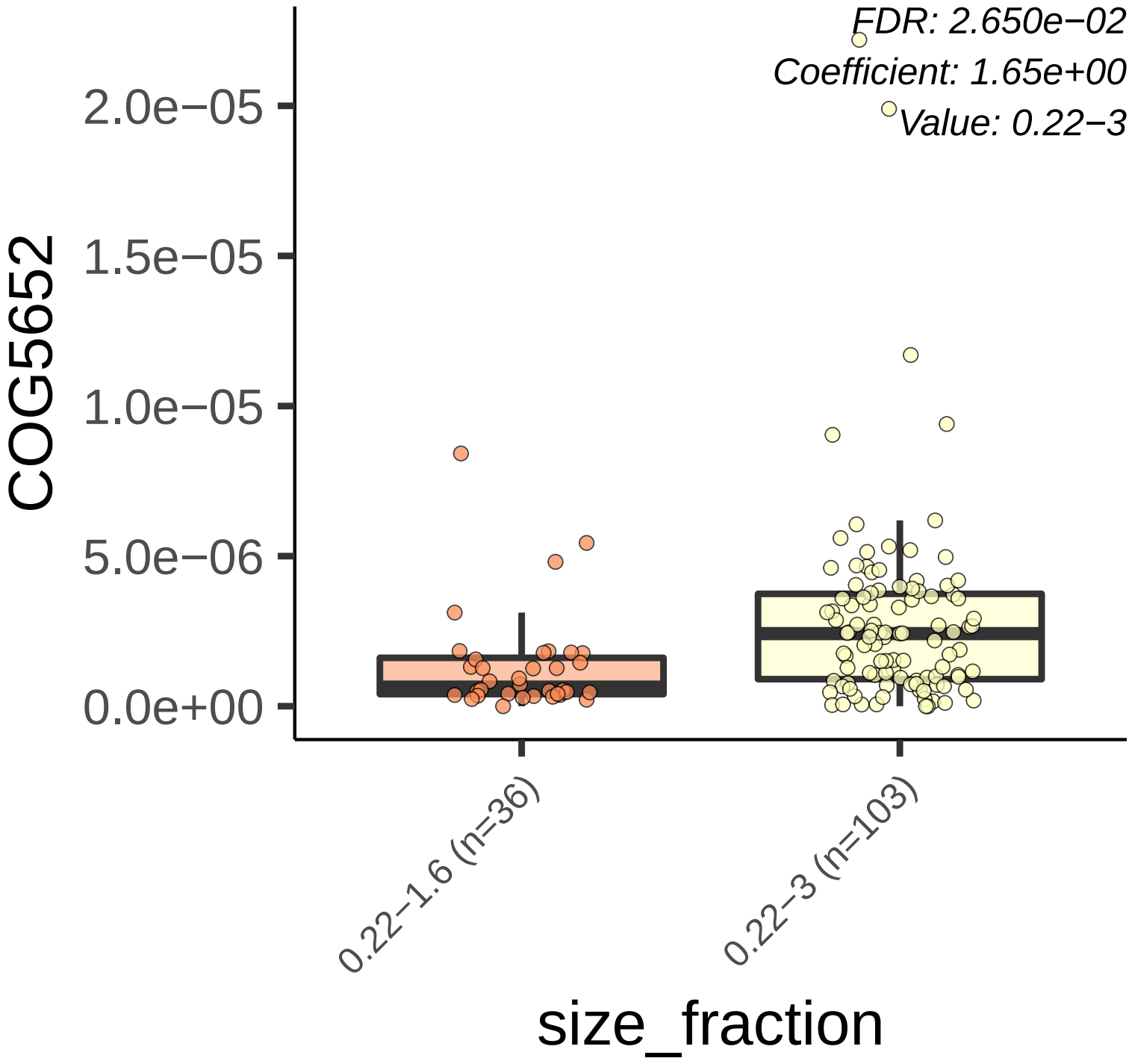
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.593e−02
Coefficient: 5.51e−01
Value: 0.22−3
COG5505
1e−04
5e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.594e−02
Coefficient: 7.06e−01
Value: 0.22−3
COG1060
0.00075
0.00050
0.00025
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.607e−02
Coefficient: 3.16e−01
Value: 0.22−3
COG0182
5e−04
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.633e−02
Coefficient: 8.20e−01
Value: 0.22−3
COG3211
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 2.650e−02
Coefficient: 1.65e+00
Value: 0.22−3
COG5652
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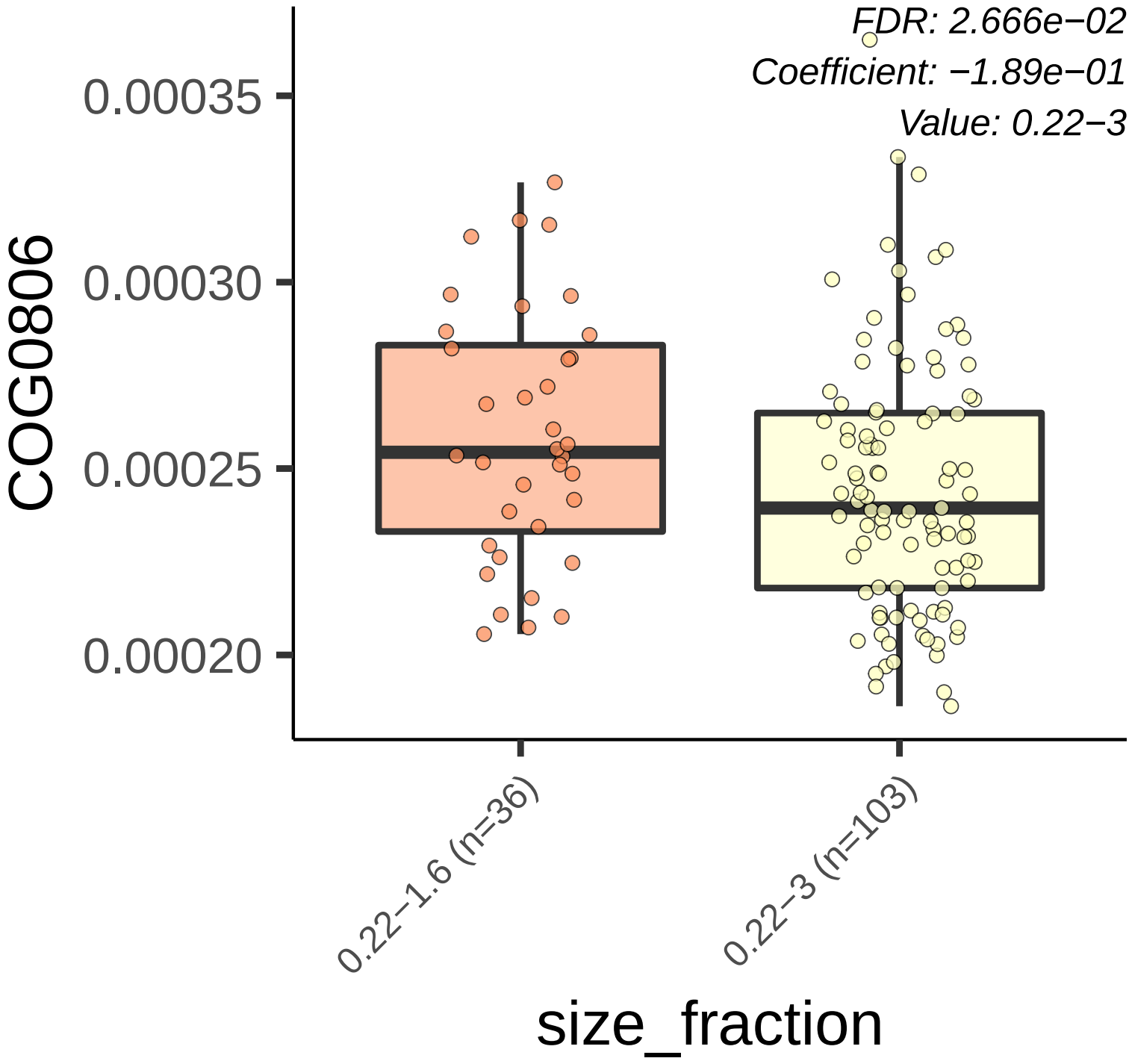
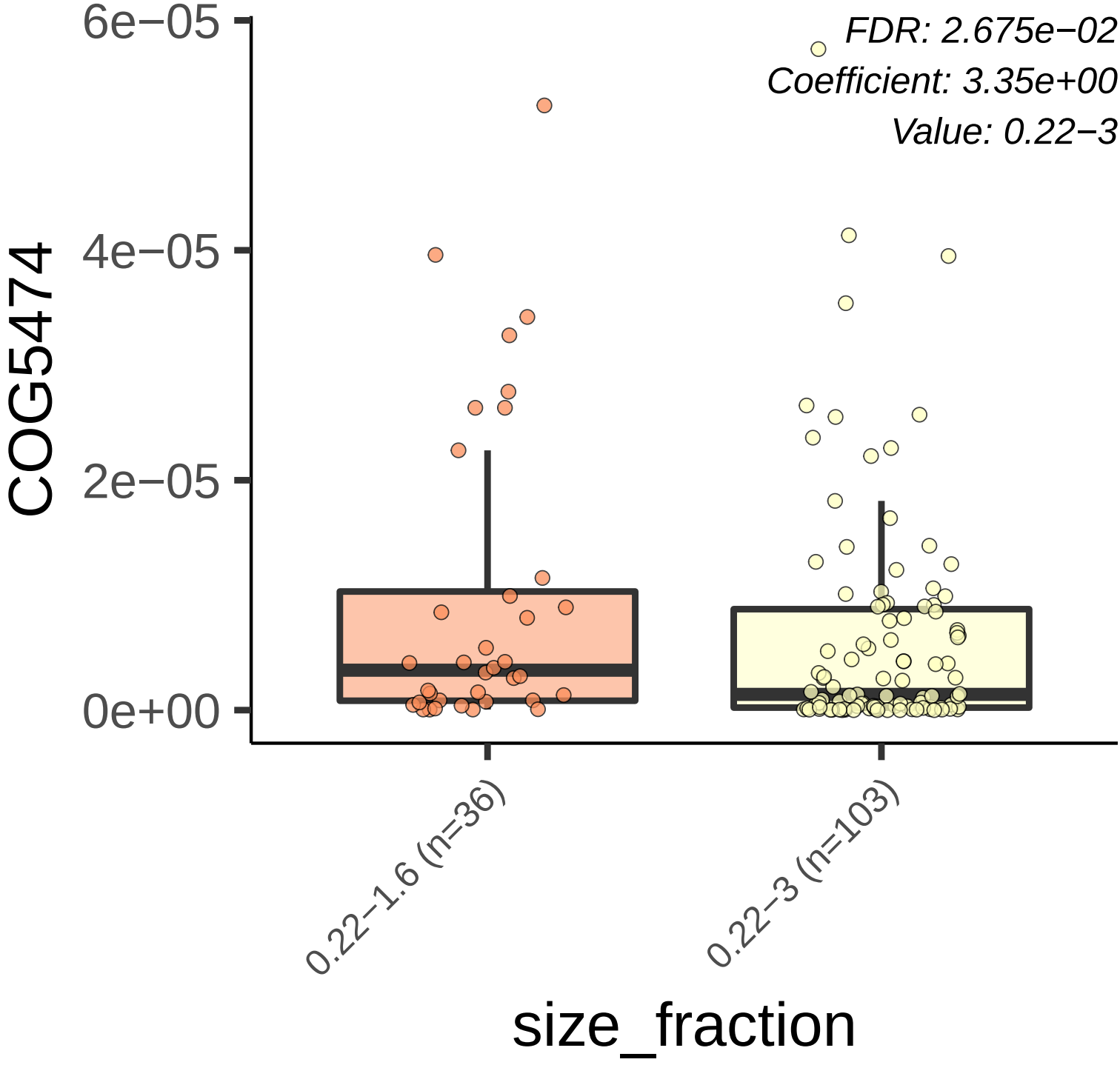
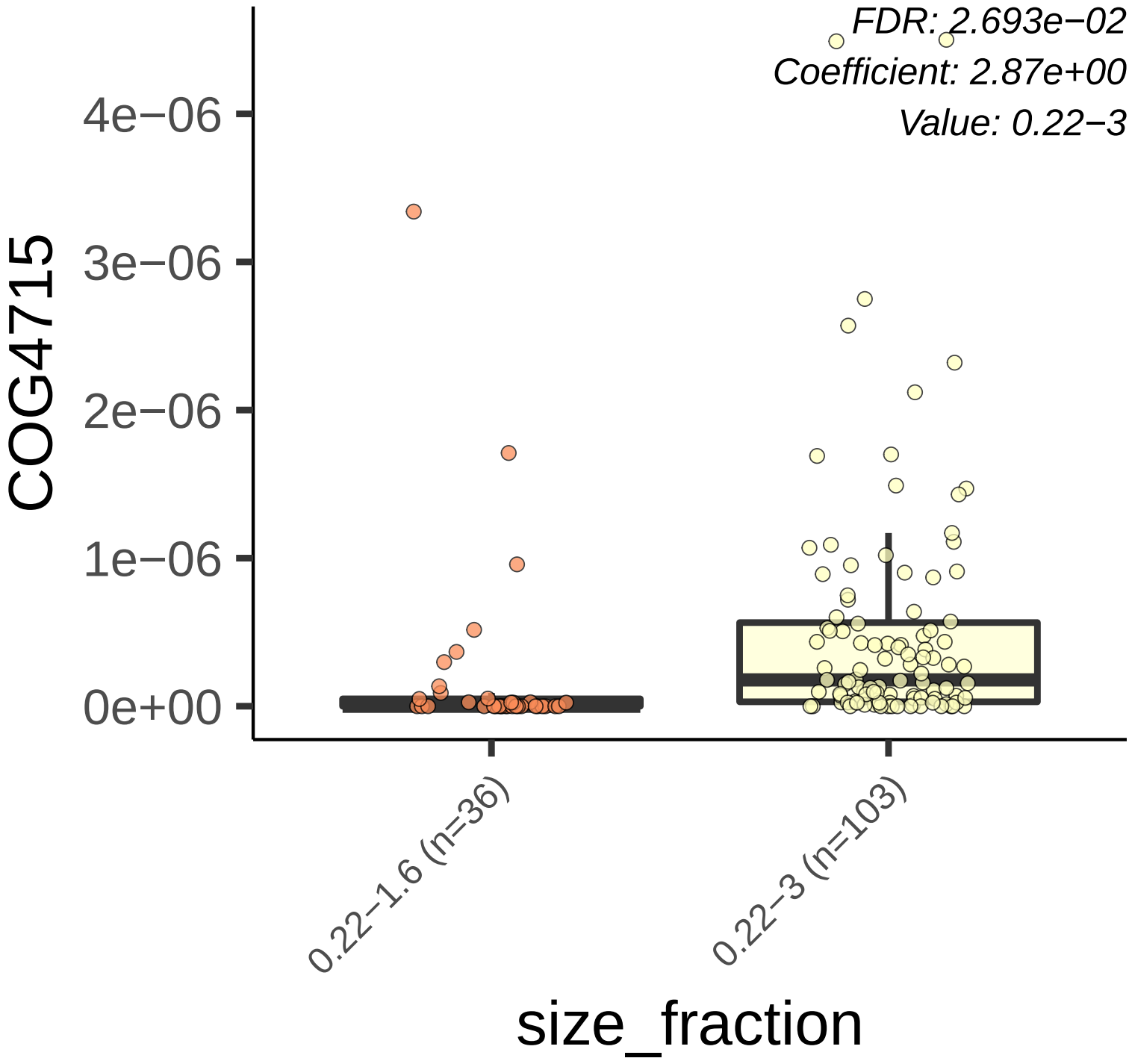
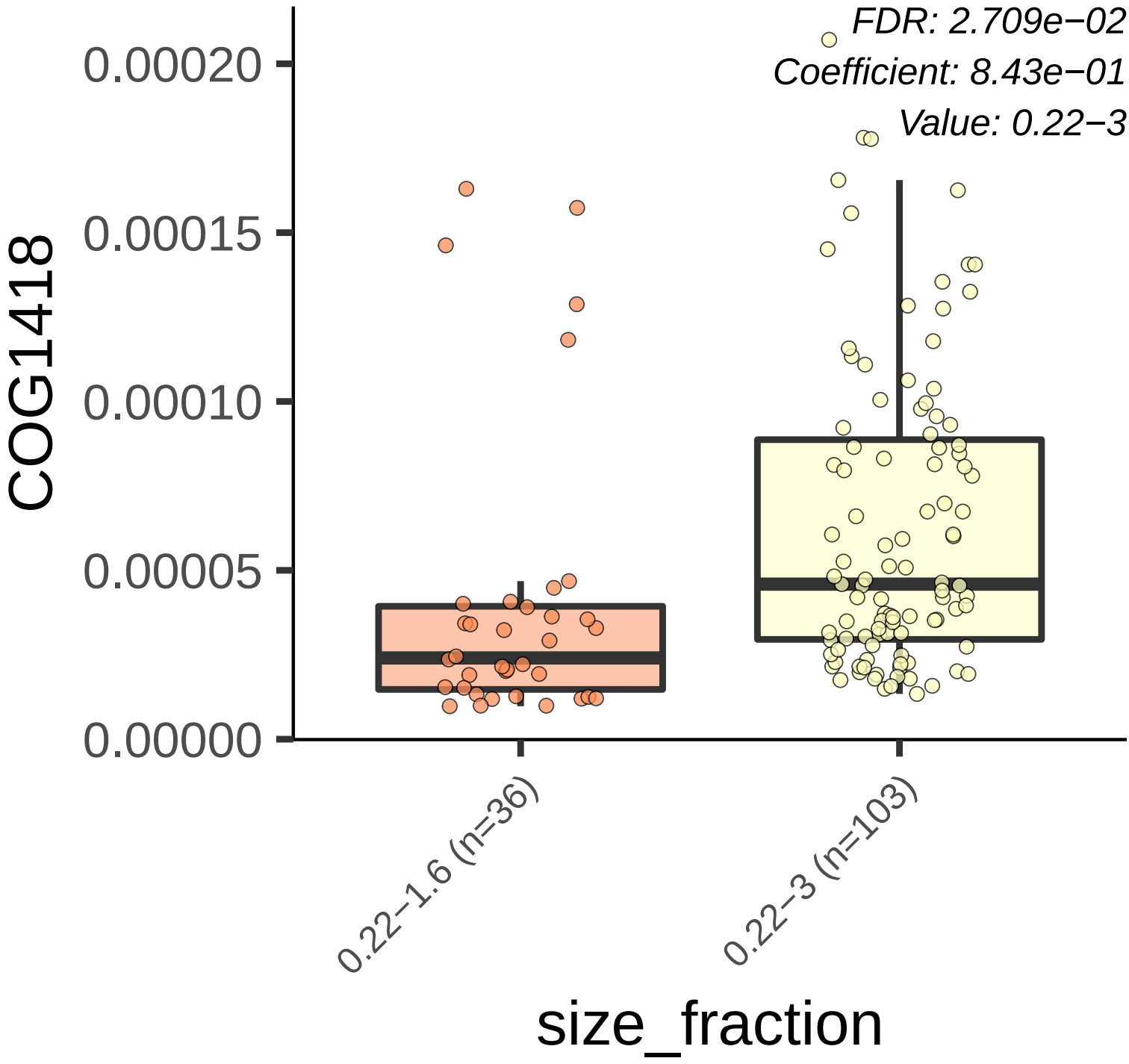
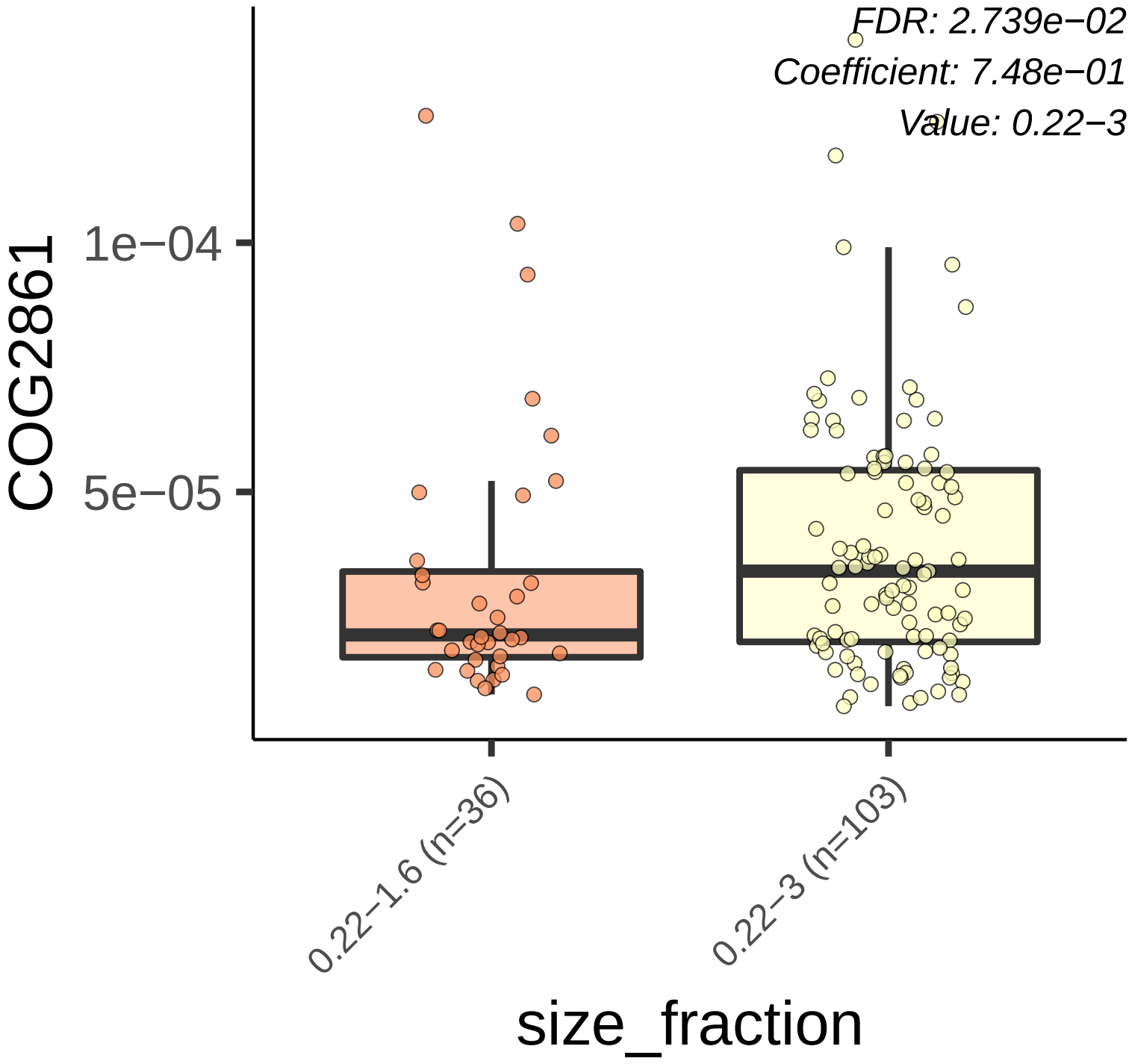
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

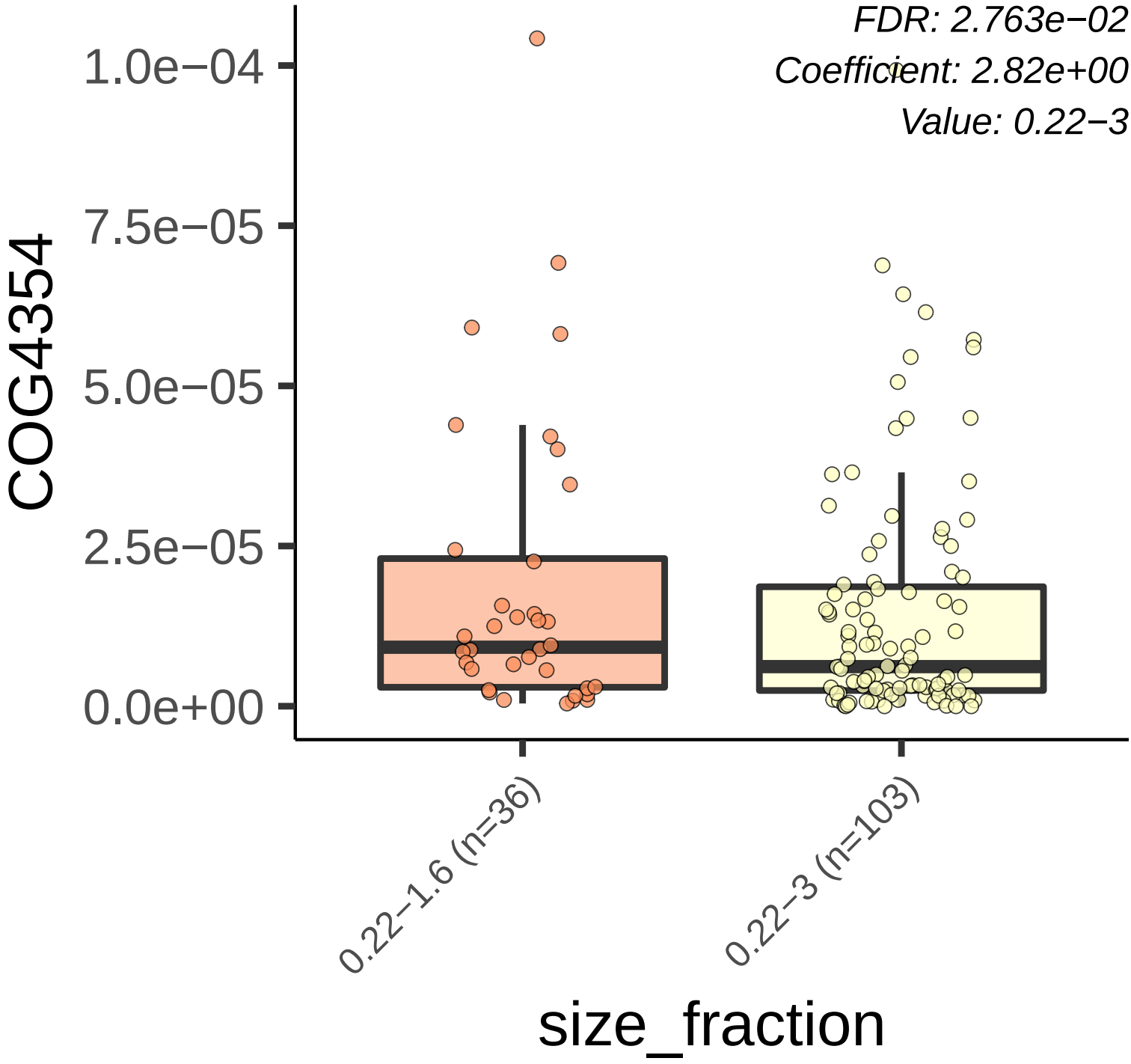

FDR: 2.666e−02
Coefficient: −1.89e−01
Value: 0.22−3
COG0806
0.00035
0.00030
0.00025
0.00020
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

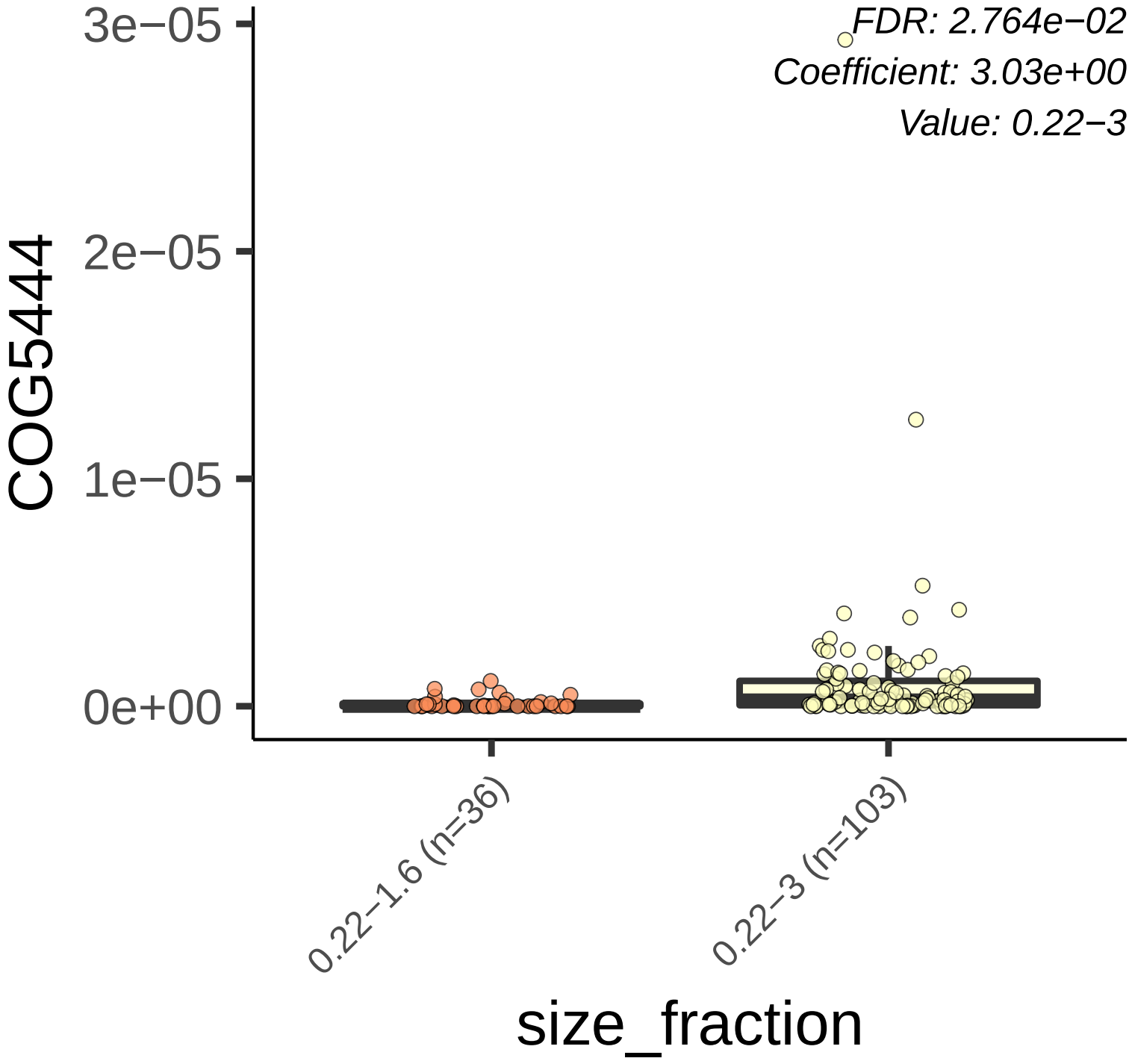

FDR: 2.675e−02
Coefficient: 3.35e+00
Value: 0.22−3
COG5474
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

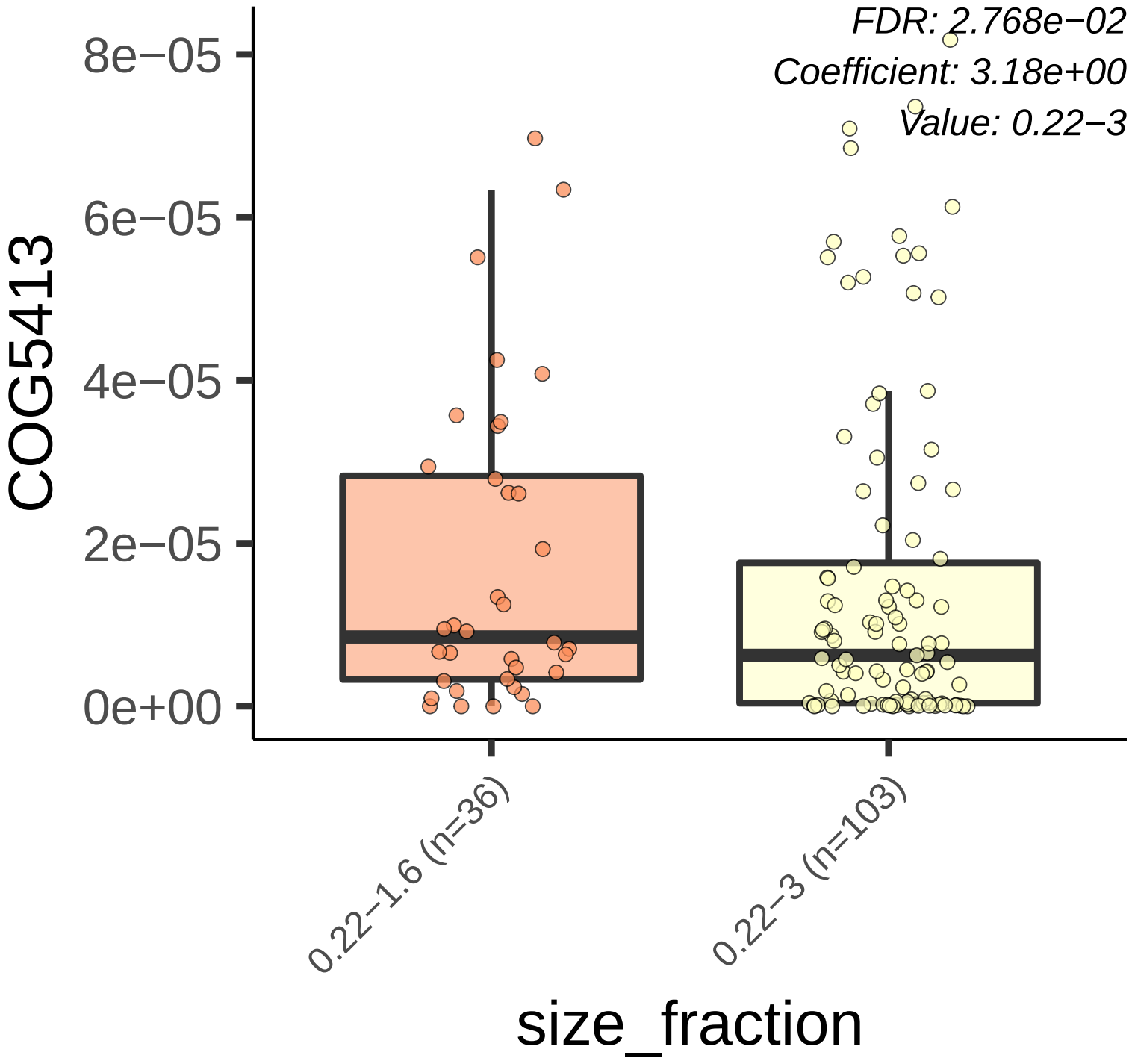

FDR: 2.693e−02
Coefficient: 2.87e+00
Value: 0.22−3
COG4715
4e−06
3e−06
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

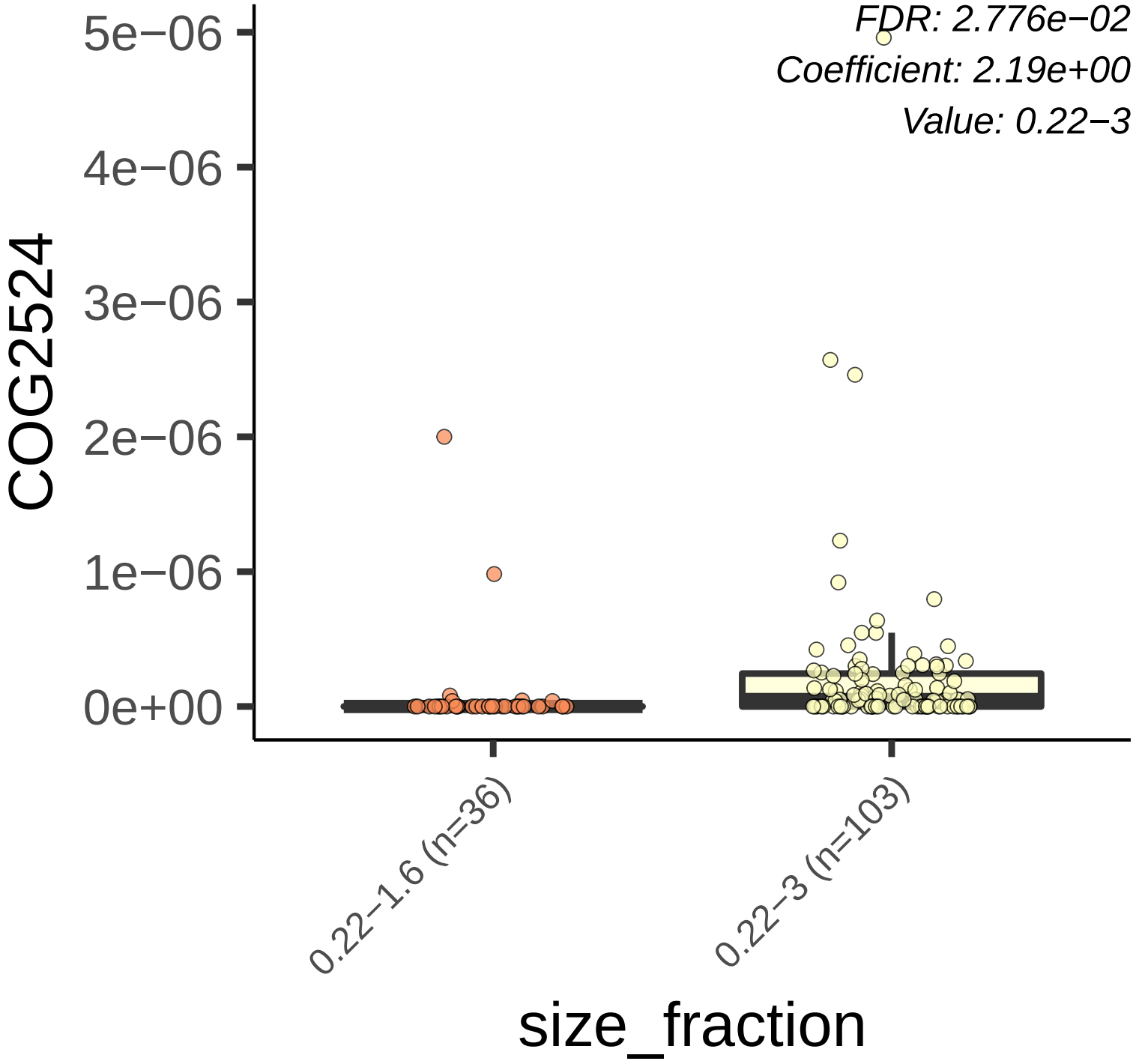

FDR: 2.709e−02
Coefficient: 8.43e−01
Value: 0.22−3
COG1418
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

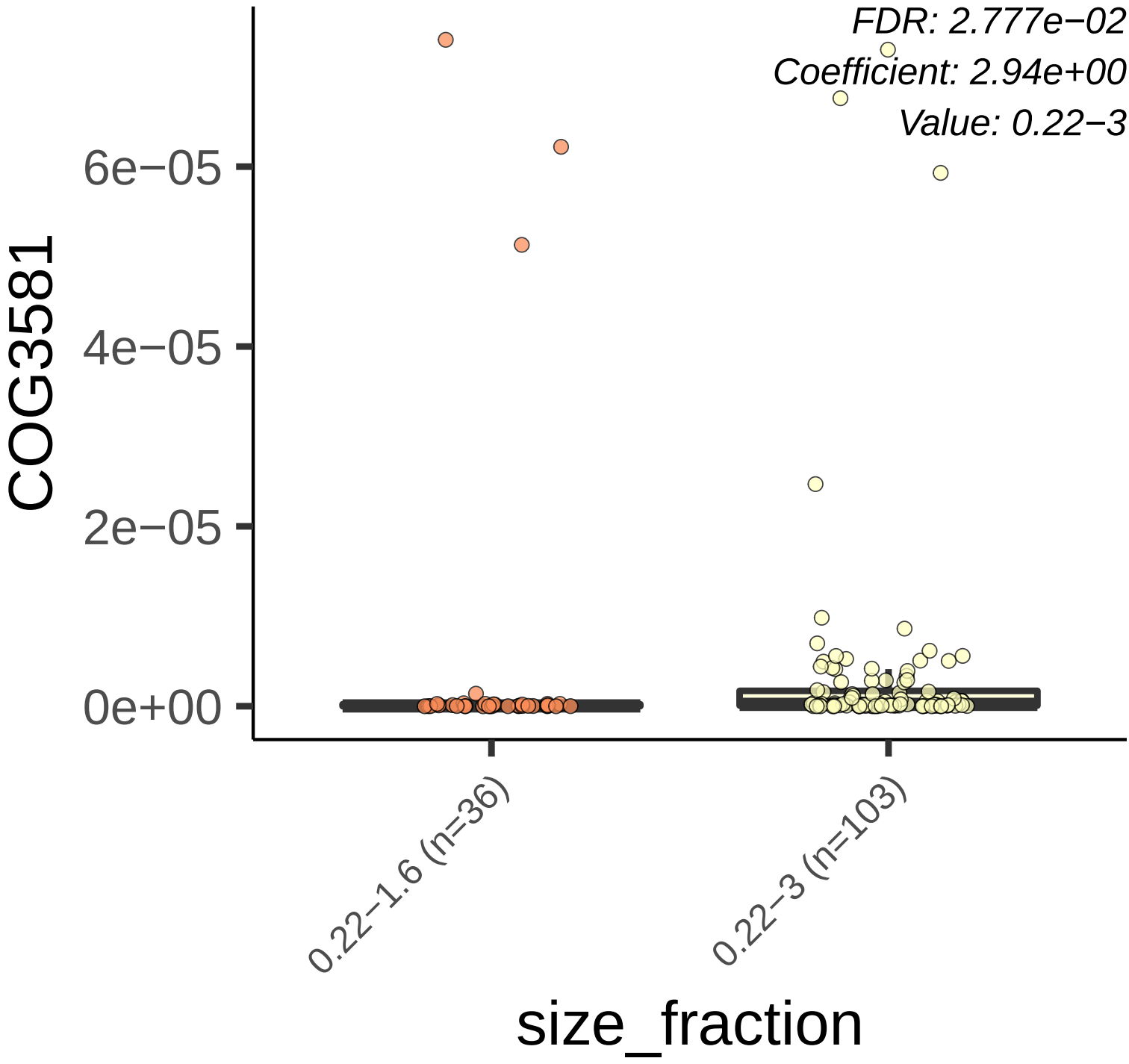

FDR: 2.739e−02
Coefficient: 7.48e−01
Value: 0.22−3
COG2861
1e−04
5e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

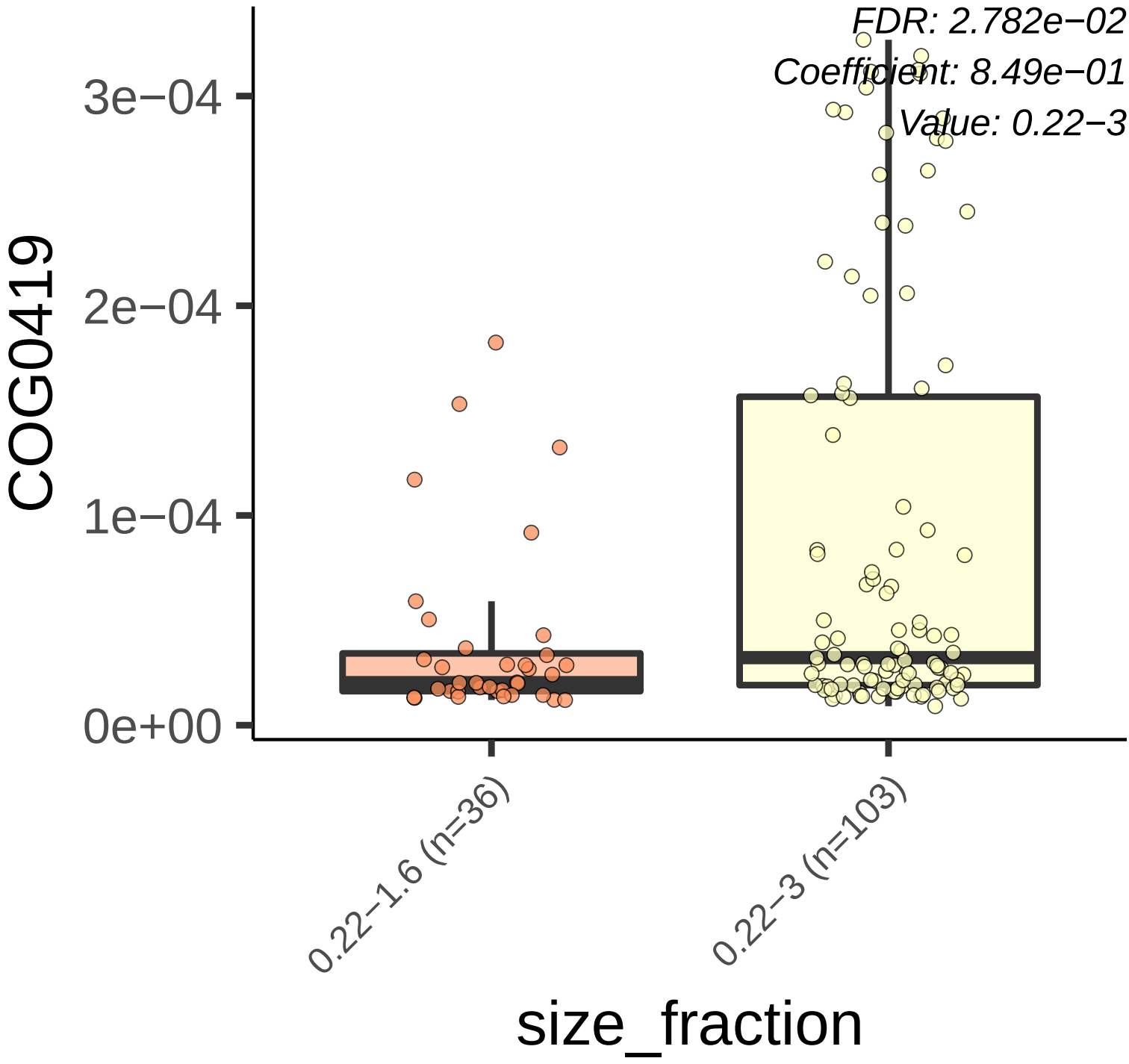

FDR: 2.763e−02
Coefficient: 2.82e+00
Value: 0.22−3
COG4354
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

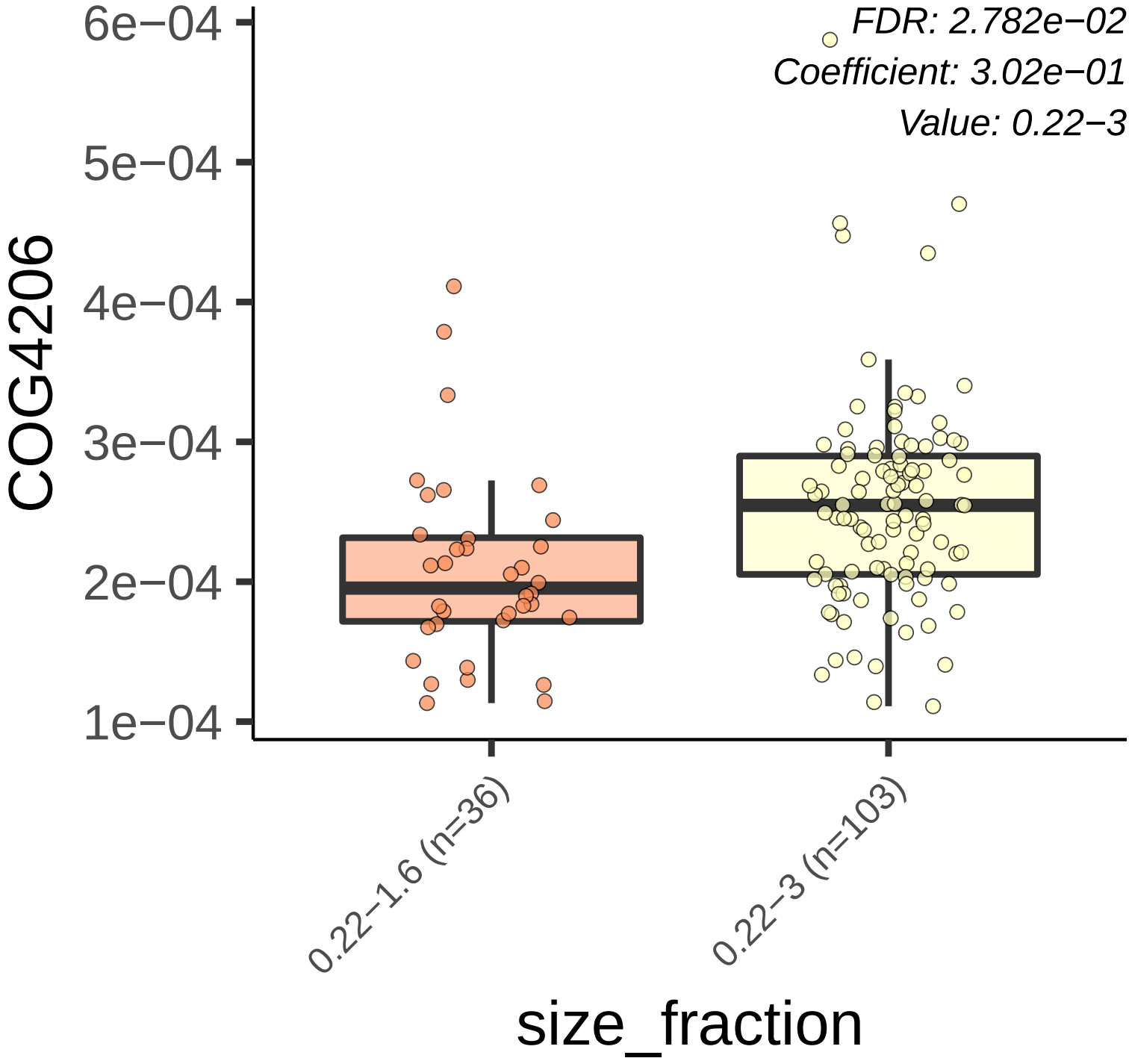

FDR: 2.764e−02
Coefficient: 3.03e+00
Value: 0.22−3
COG5444
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

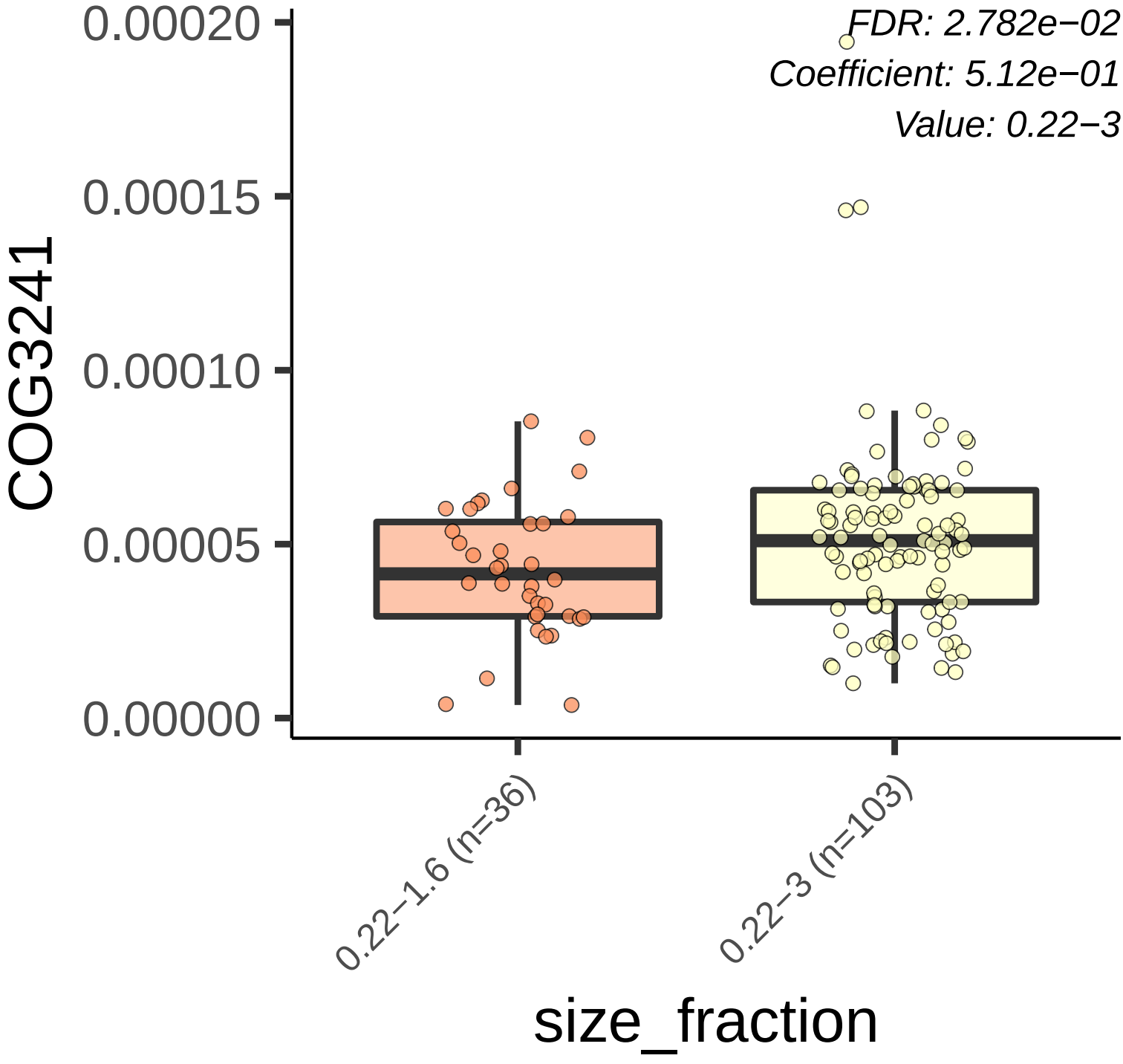

FDR: 2.768e−02
Coefficient: 3.18e+00
Value: 0.22−3
COG5413
8e−05
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

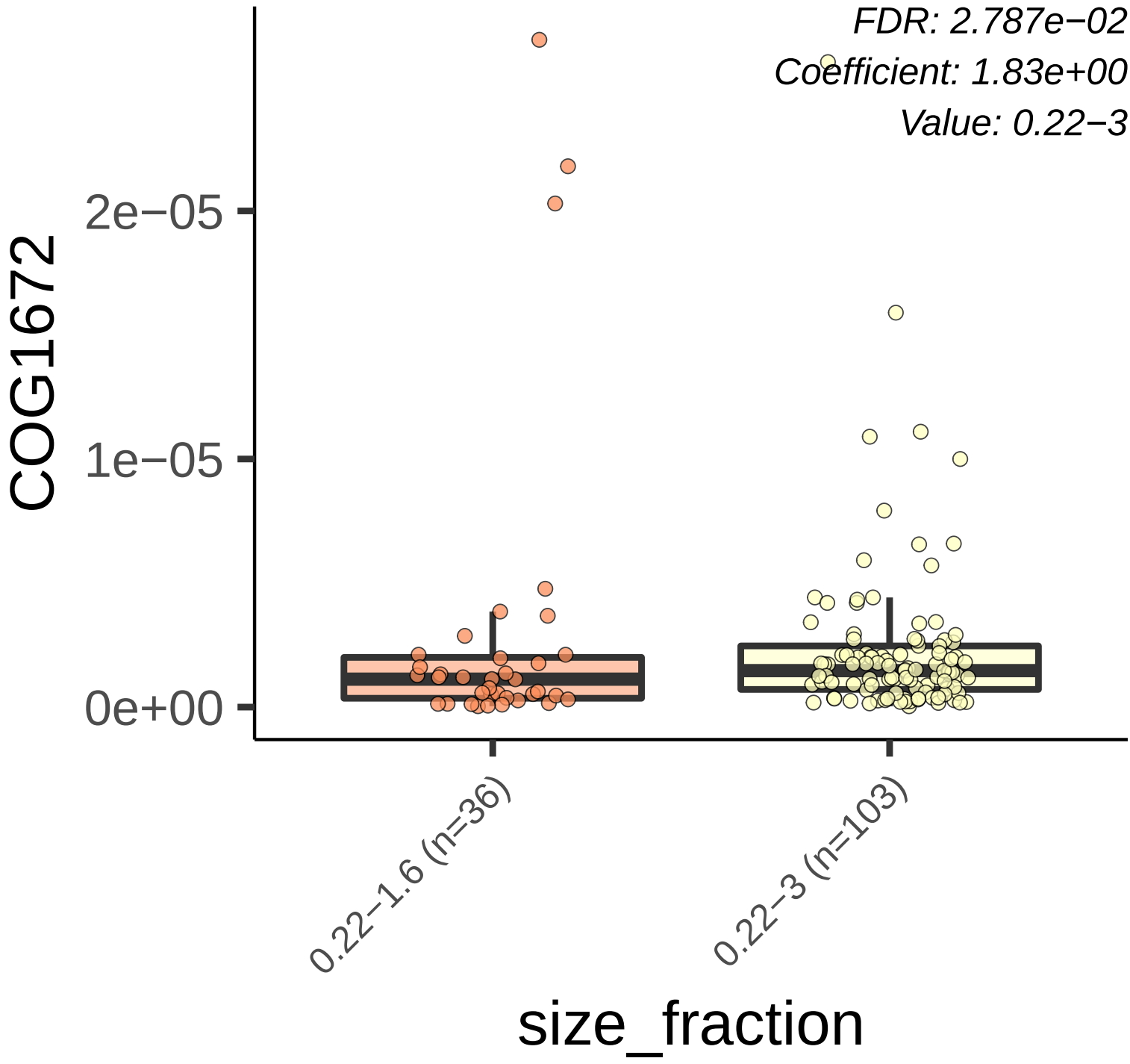

FDR: 2.776e−02
Coefficient: 2.19e+00
Value: 0.22−3
COG2524
5e−06
4e−06
3e−06
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

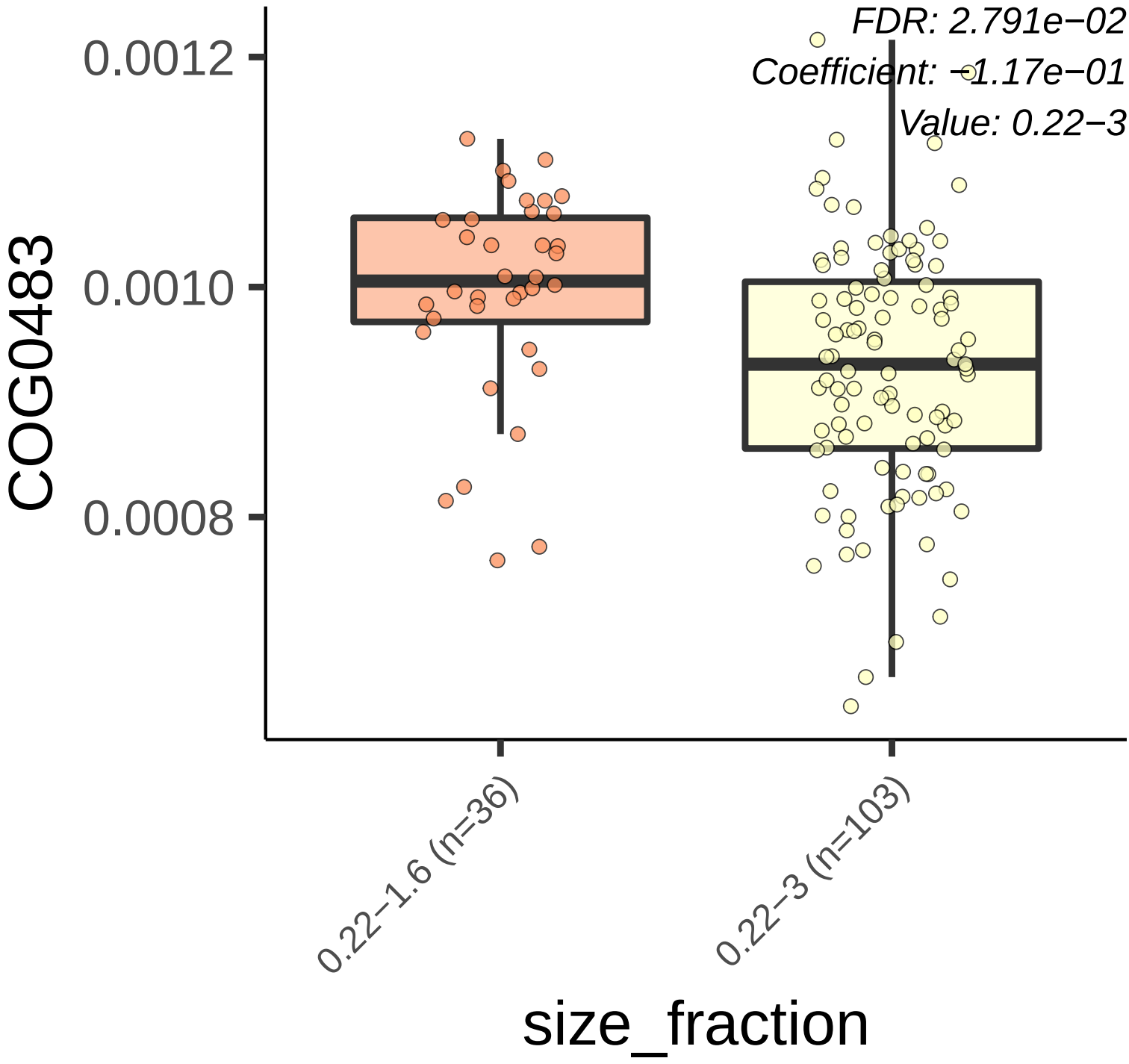

FDR: 2.777e−02
Coefficient: 2.94e+00
Value: 0.22−3
COG3581
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

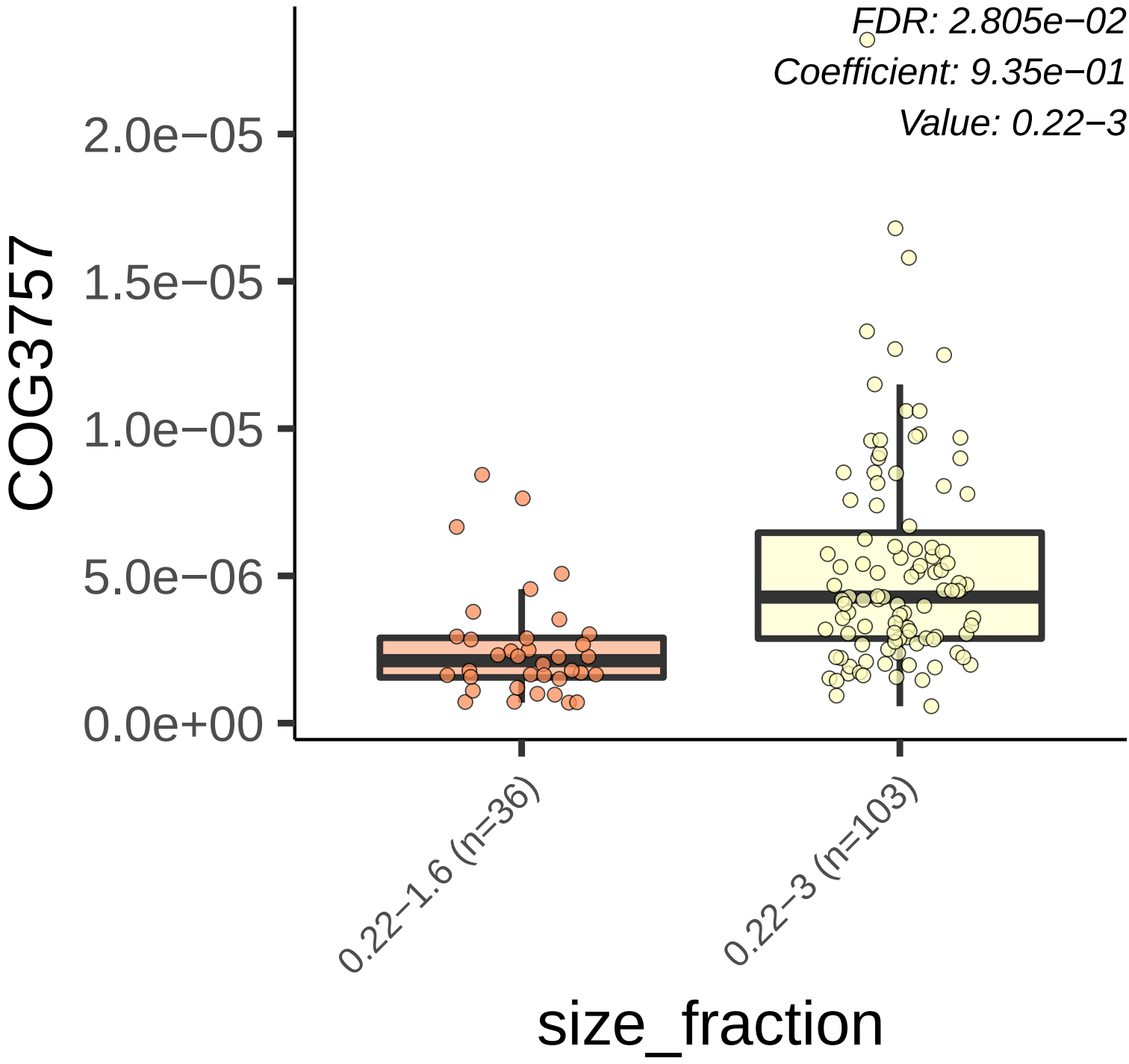

FDR: 2.782e−02
Coefficient: 8.49e−01
Value: 0.22−3
COG0419
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

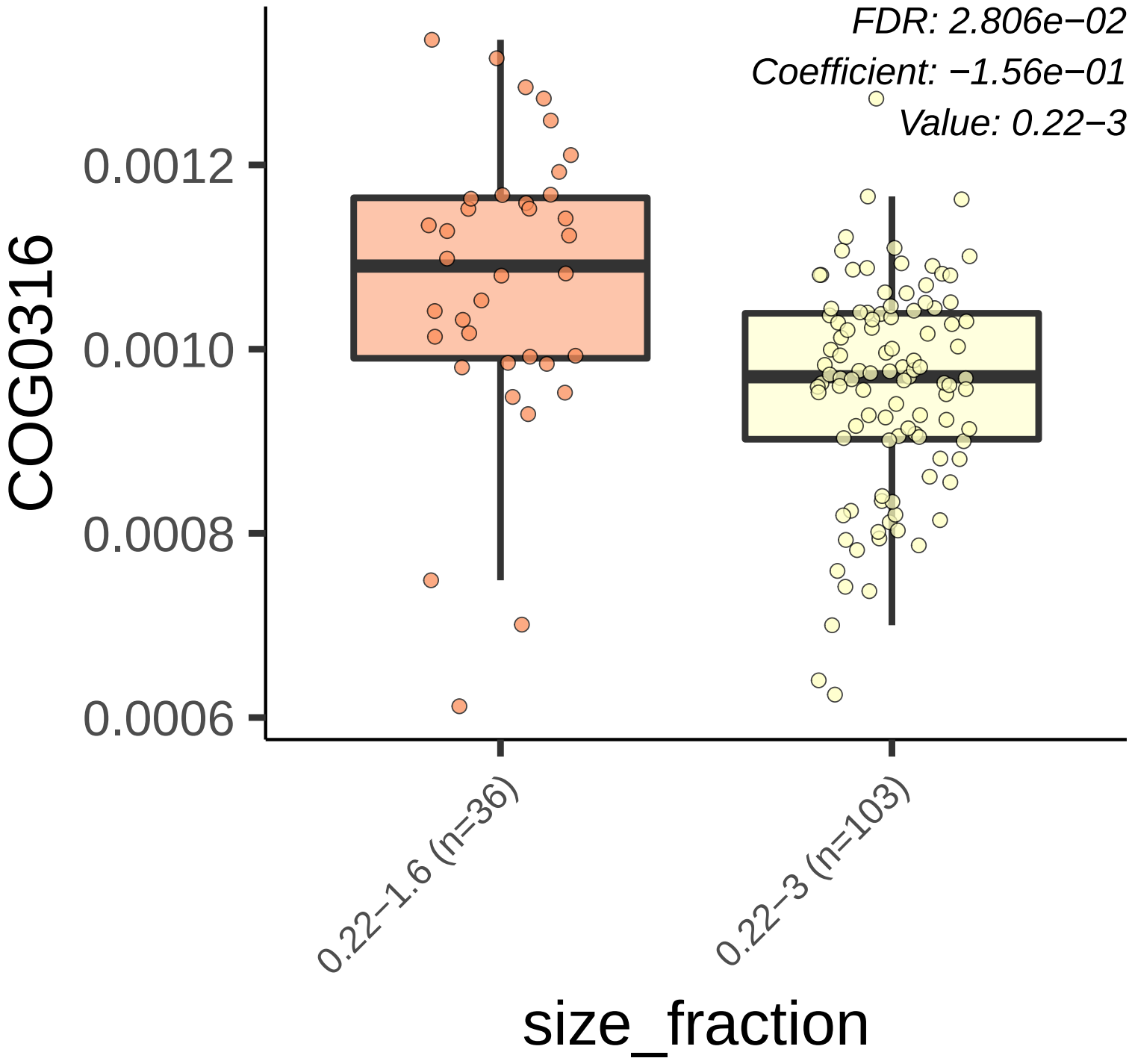

FDR: 2.782e−02
Coefficient: 3.02e−01
Value: 0.22−3
COG4206
6e−04
5e−04
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

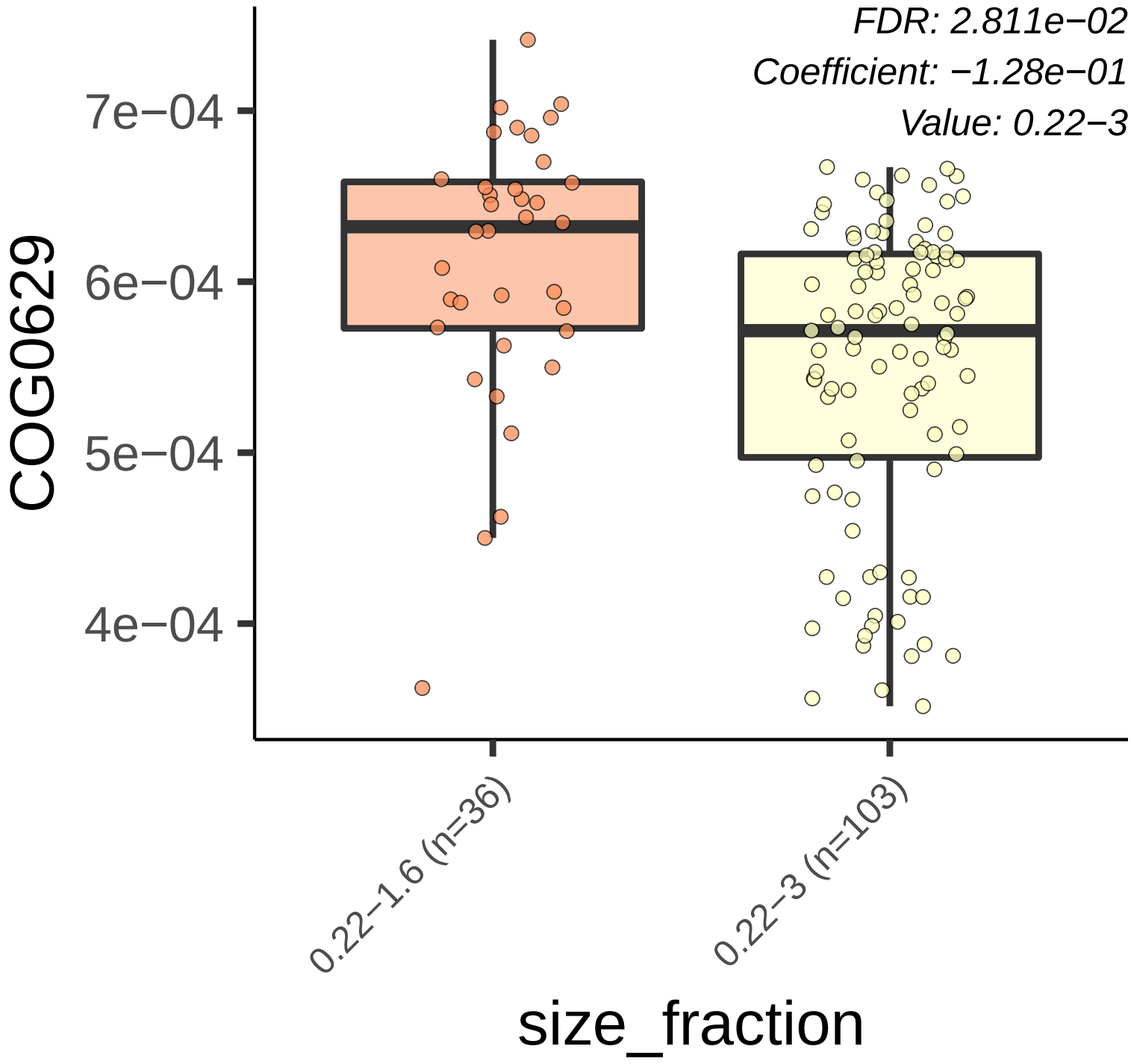

FDR: 2.782e−02
Coefficient: 5.12e−01
Value: 0.22−3
COG3241
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

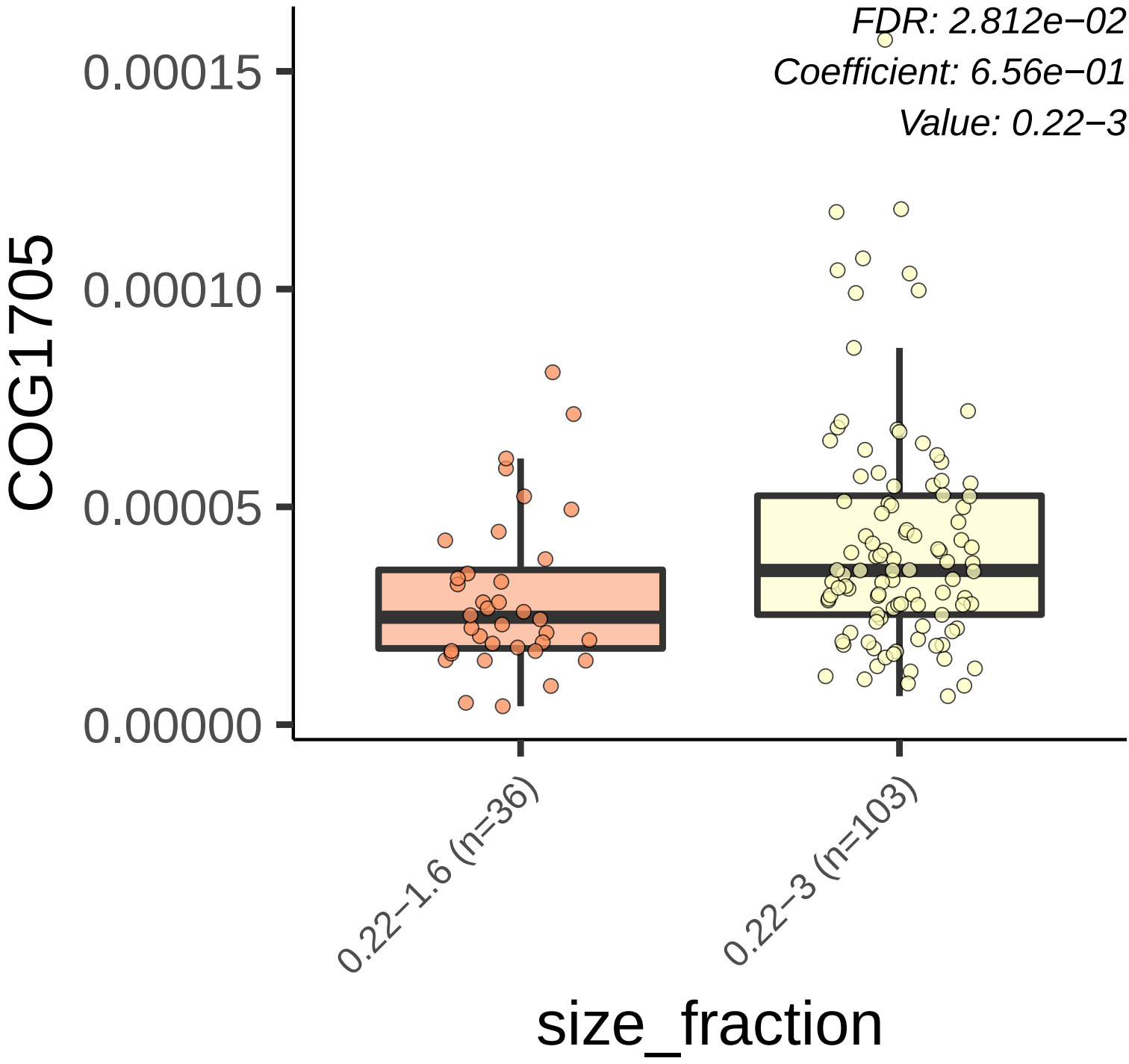

FDR: 2.787e−02
Coefficient: 1.83e+00
Value: 0.22−3
COG1672
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

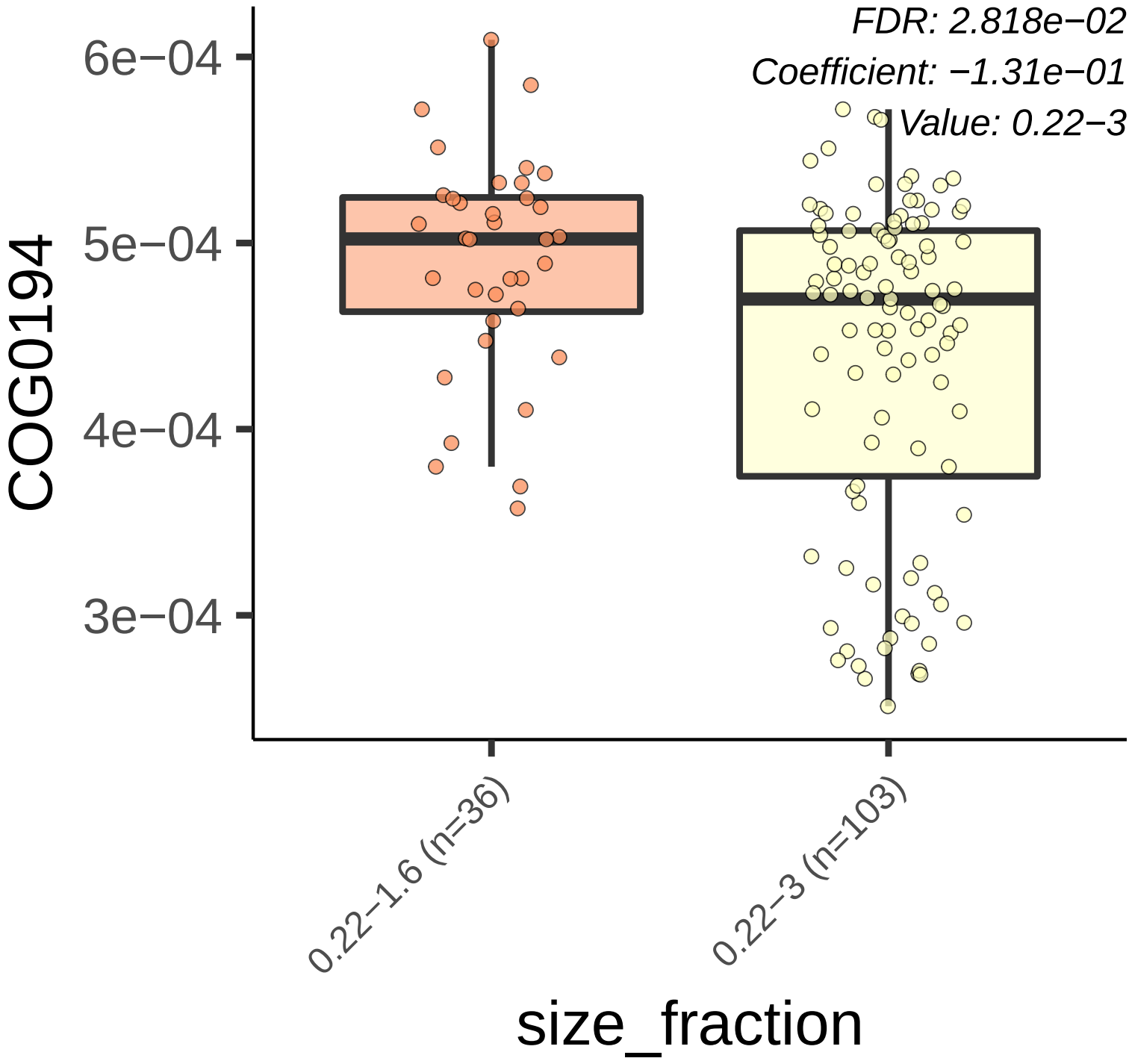

FDR: 2.791e−02
Coefficient: −1.17e−01
Value: 0.22−3
0.0012
0.0010
0.0008
COG0483
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

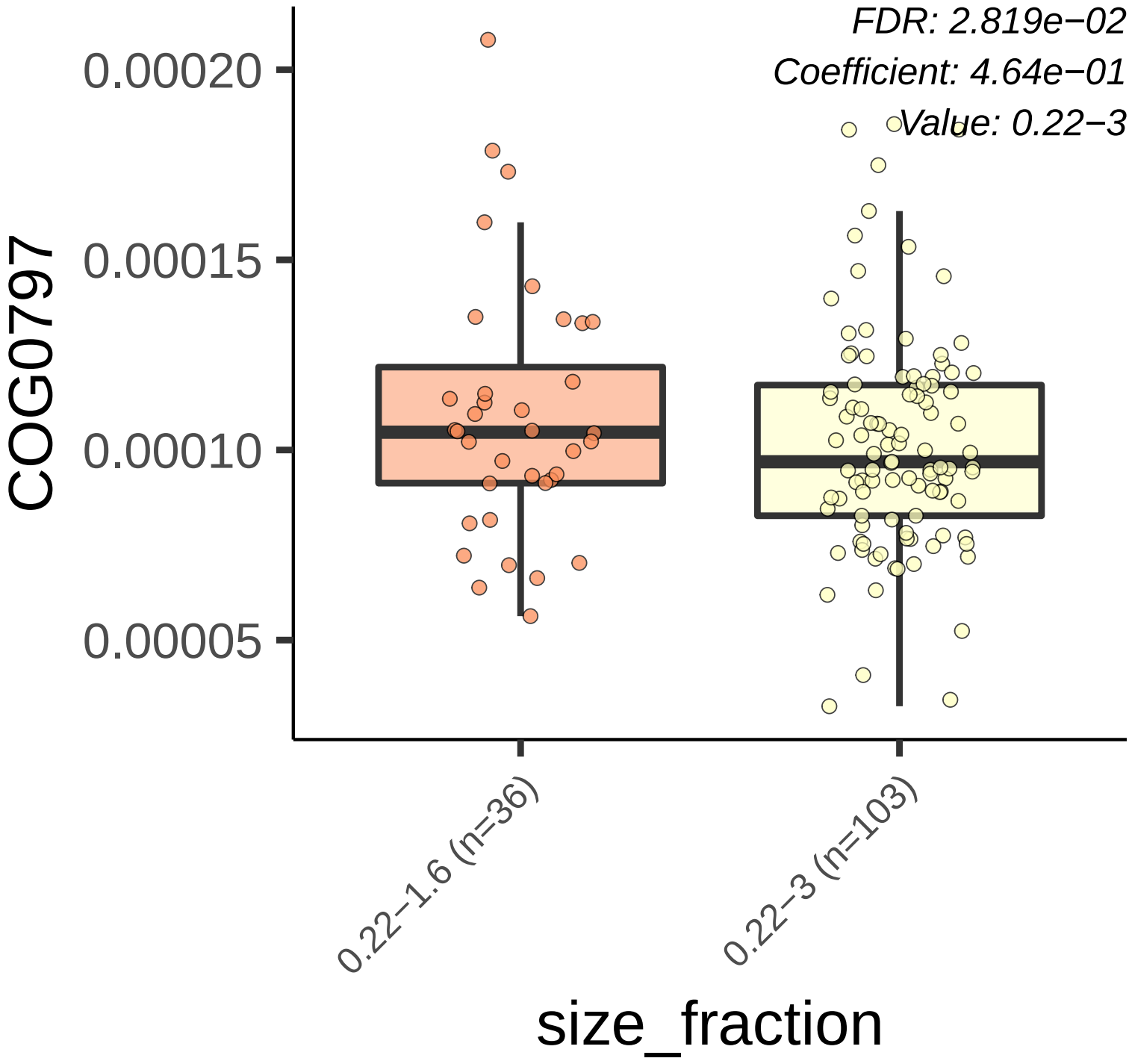

FDR: 2.805e−02
Coefficient: 9.35e−01
Value: 0.22−3
COG3757
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

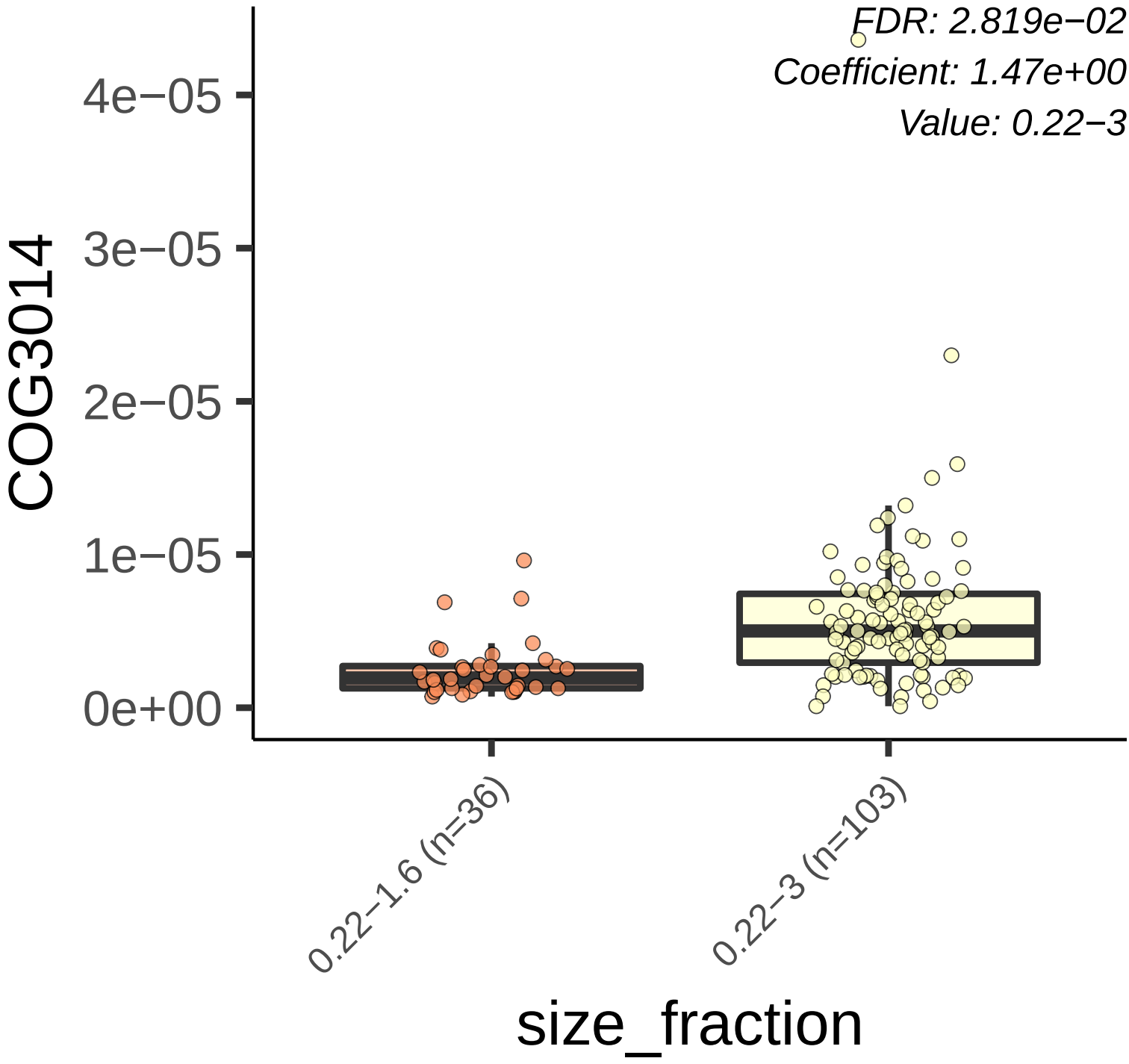

FDR: 2.806e−02
Coefficient: −1.56e−01
Value: 0.22−3
COG0316
0.0012
0.0010
0.0008
0.0006
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

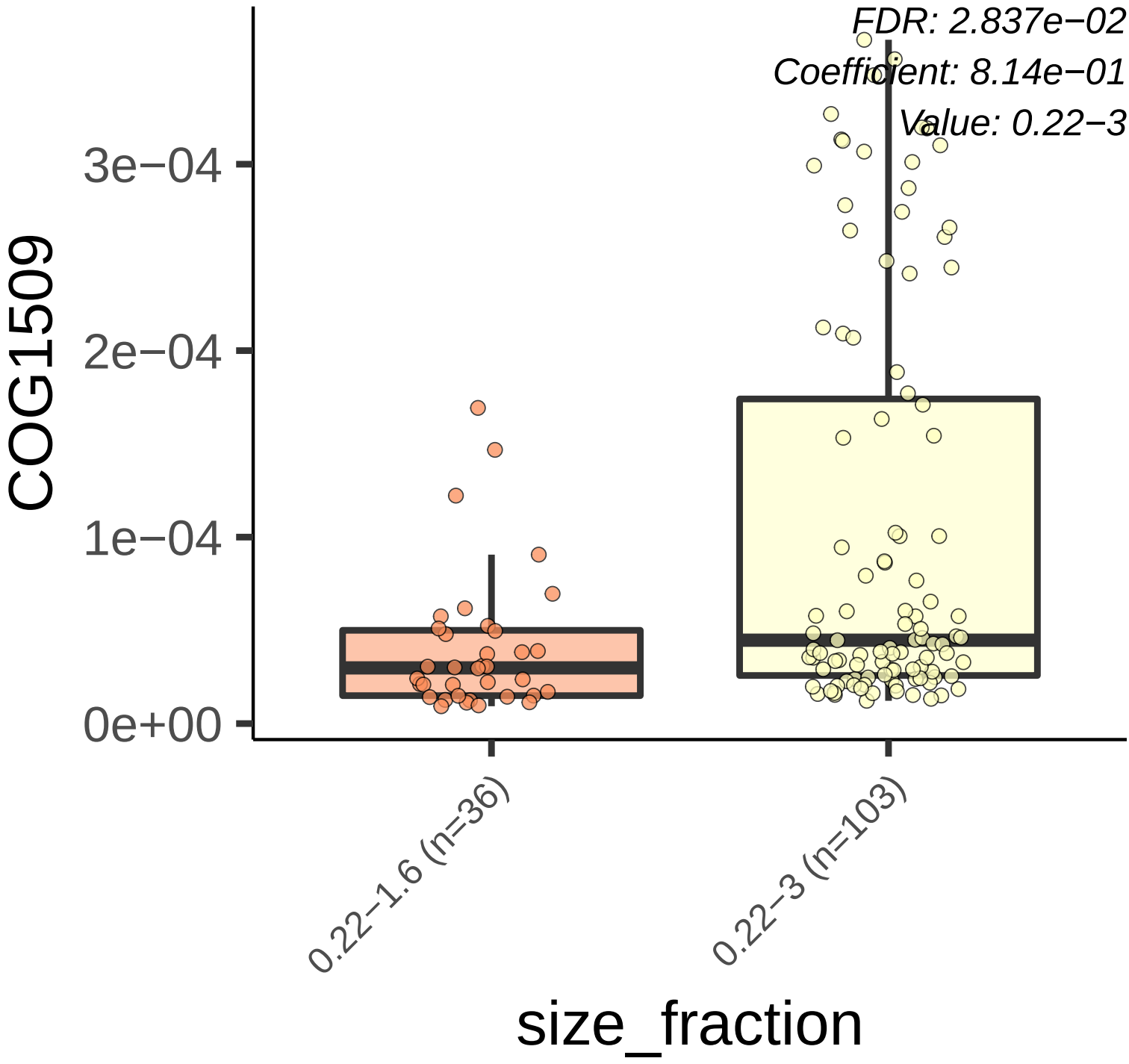

FDR: 2.811e−02
Coefficient: −1.28e−01
Value: 0.22−3
COG0629
7e−04
6e−04
5e−04
4e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

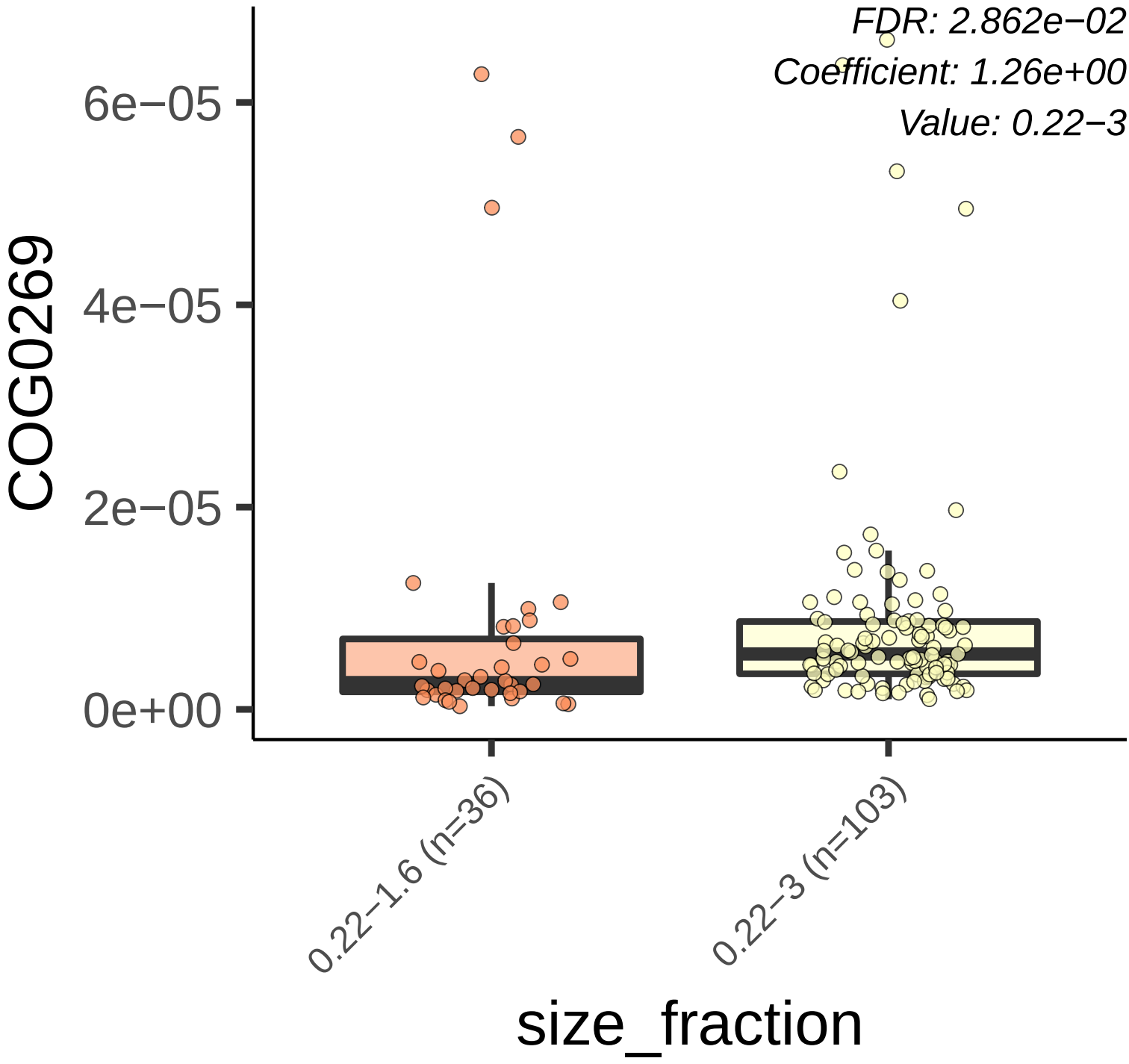

FDR: 2.812e−02
Coefficient: 6.56e−01
Value: 0.22−3
COG1705
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

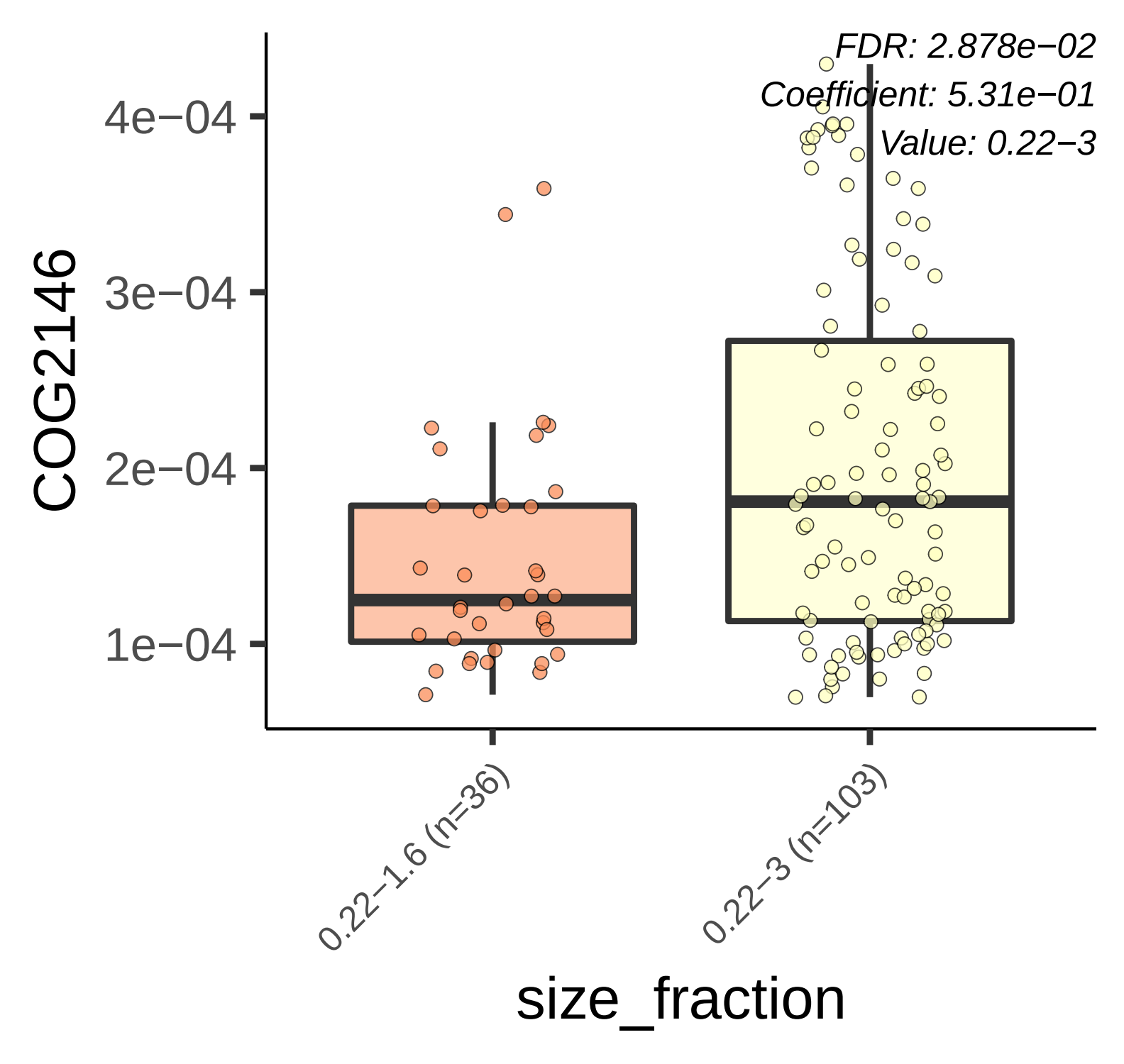

FDR: 2.818e−02
Coefficient: −1.31e−01
Value: 0.22−3
6e−04
5e−04
4e−04
3e−04
COG0194
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

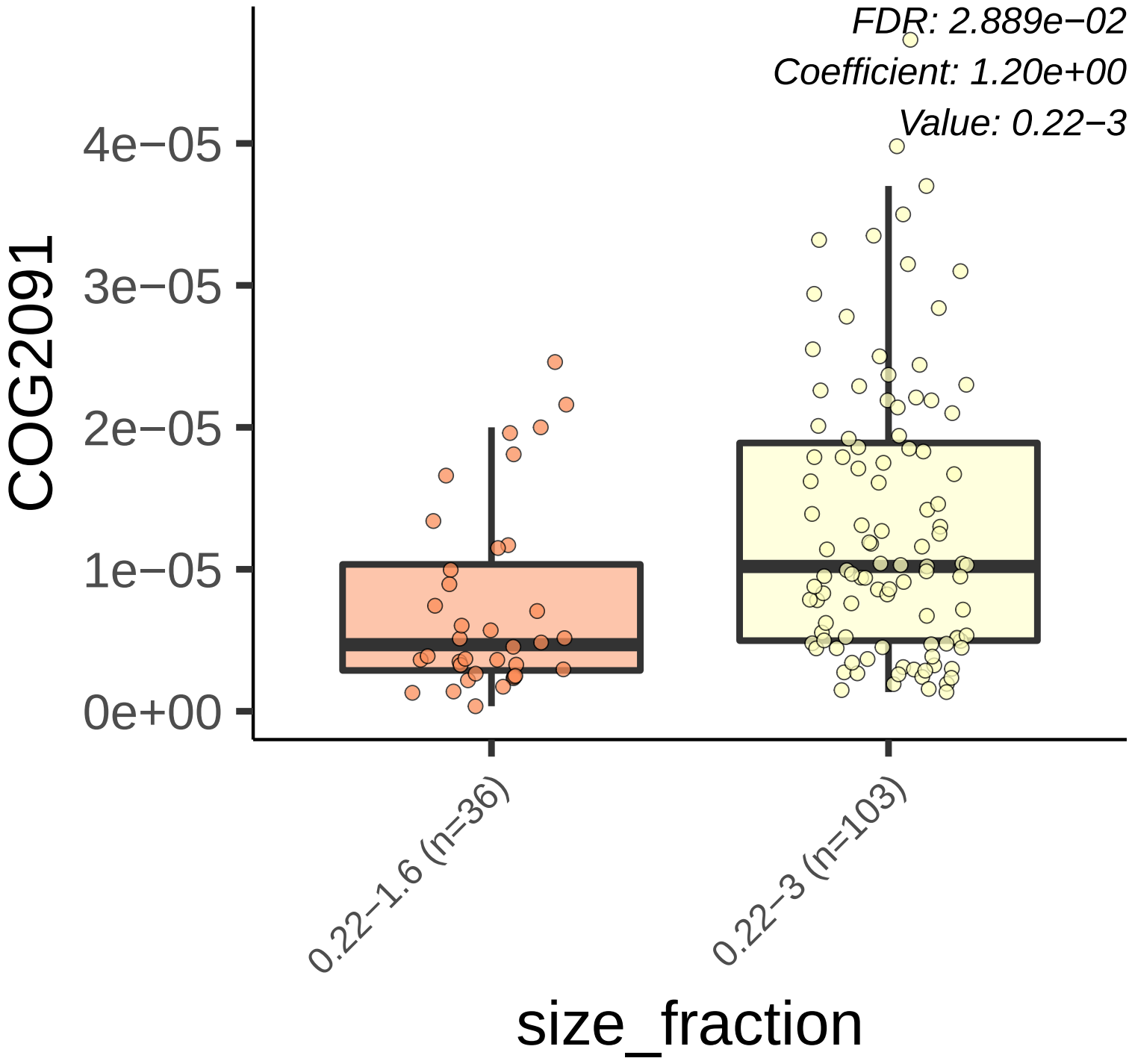

FDR: 2.819e−02
Coefficient: 4.64e−01
Value: 0.22−3
COG0797
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

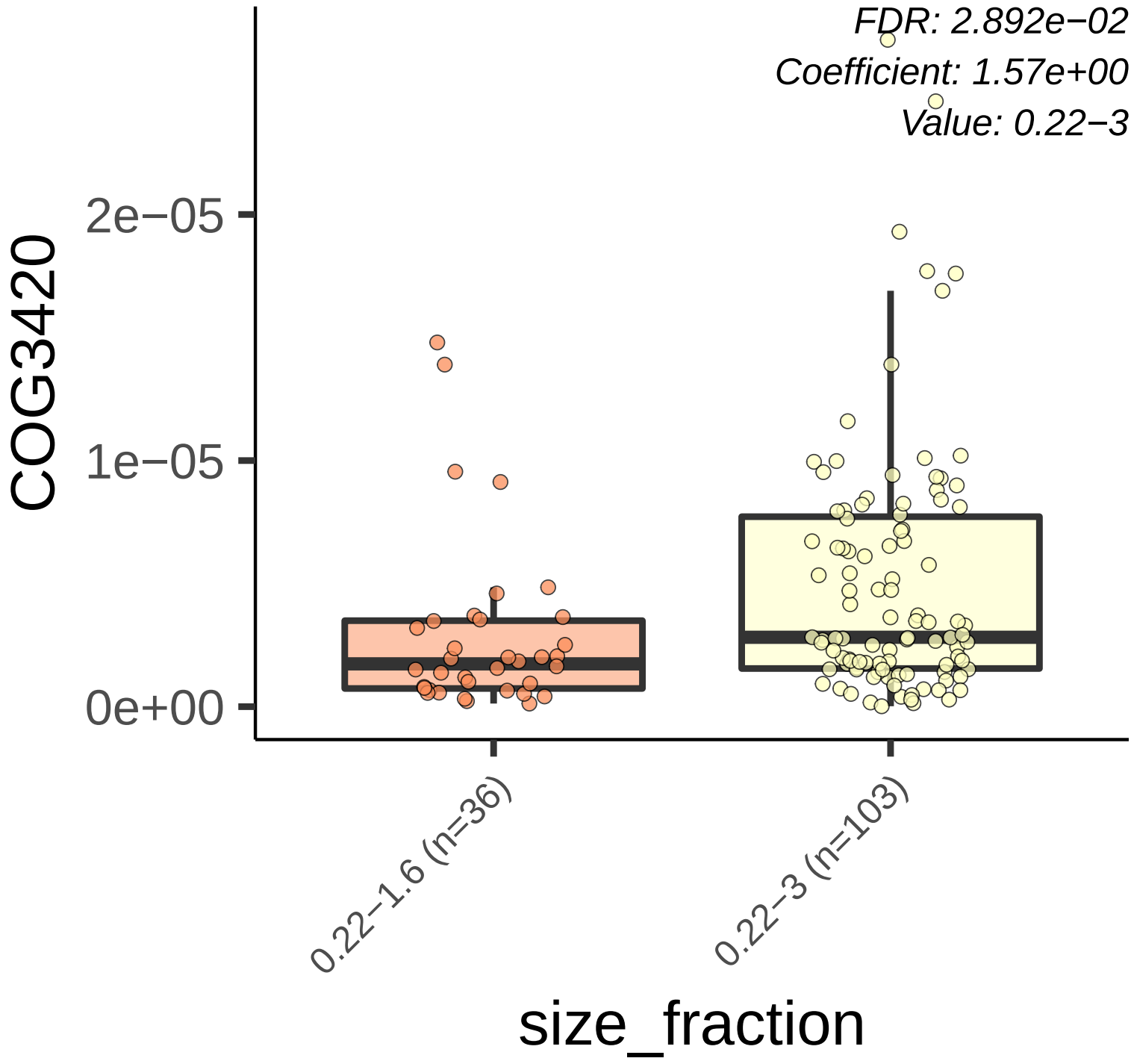

FDR: 2.819e−02
Coefficient: 1.47e+00
Value: 0.22−3
COG3014
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

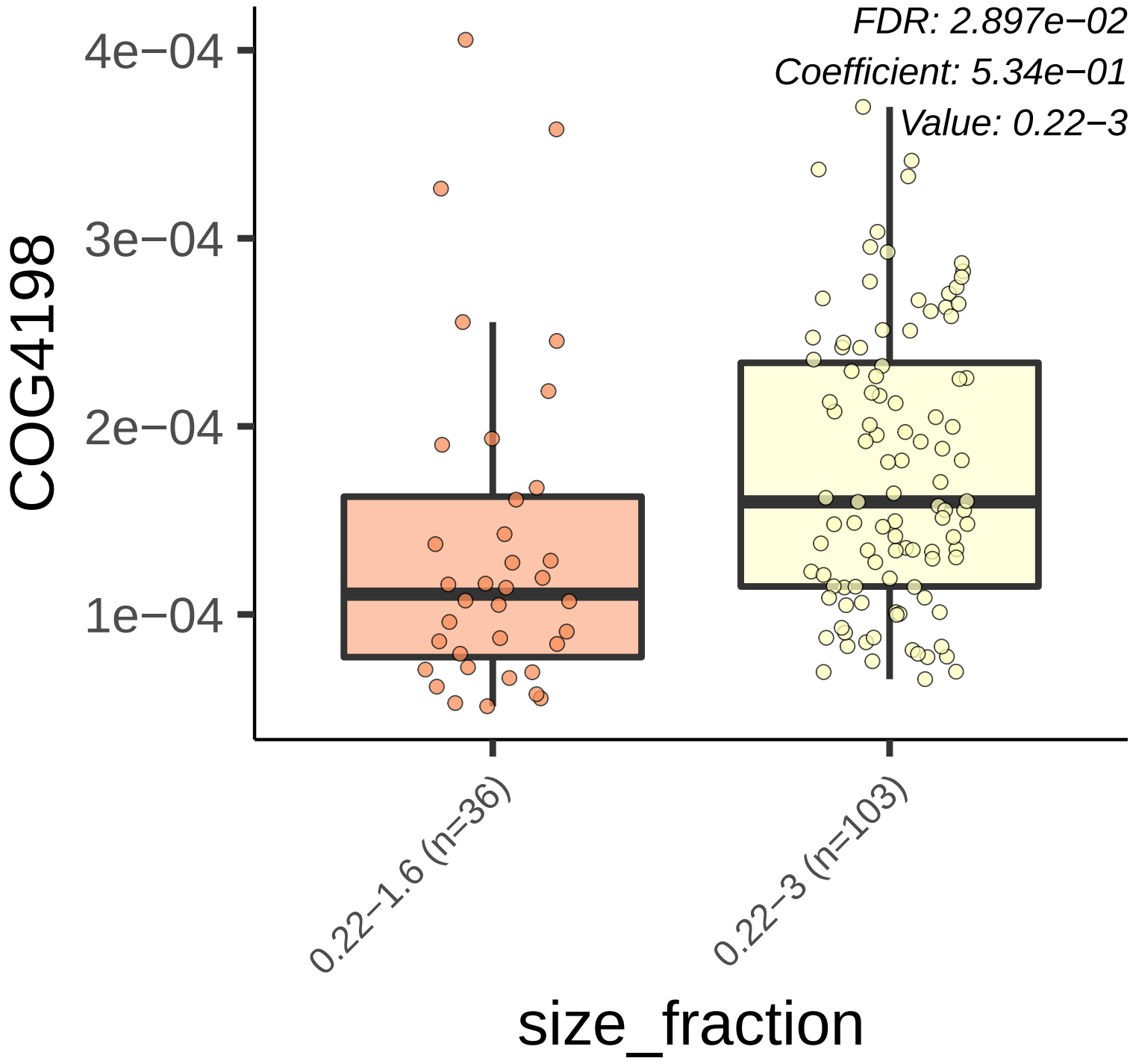

FDR: 2.837e−02
Coefficient: 8.14e−01
Value: 0.22−3
COG1509
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

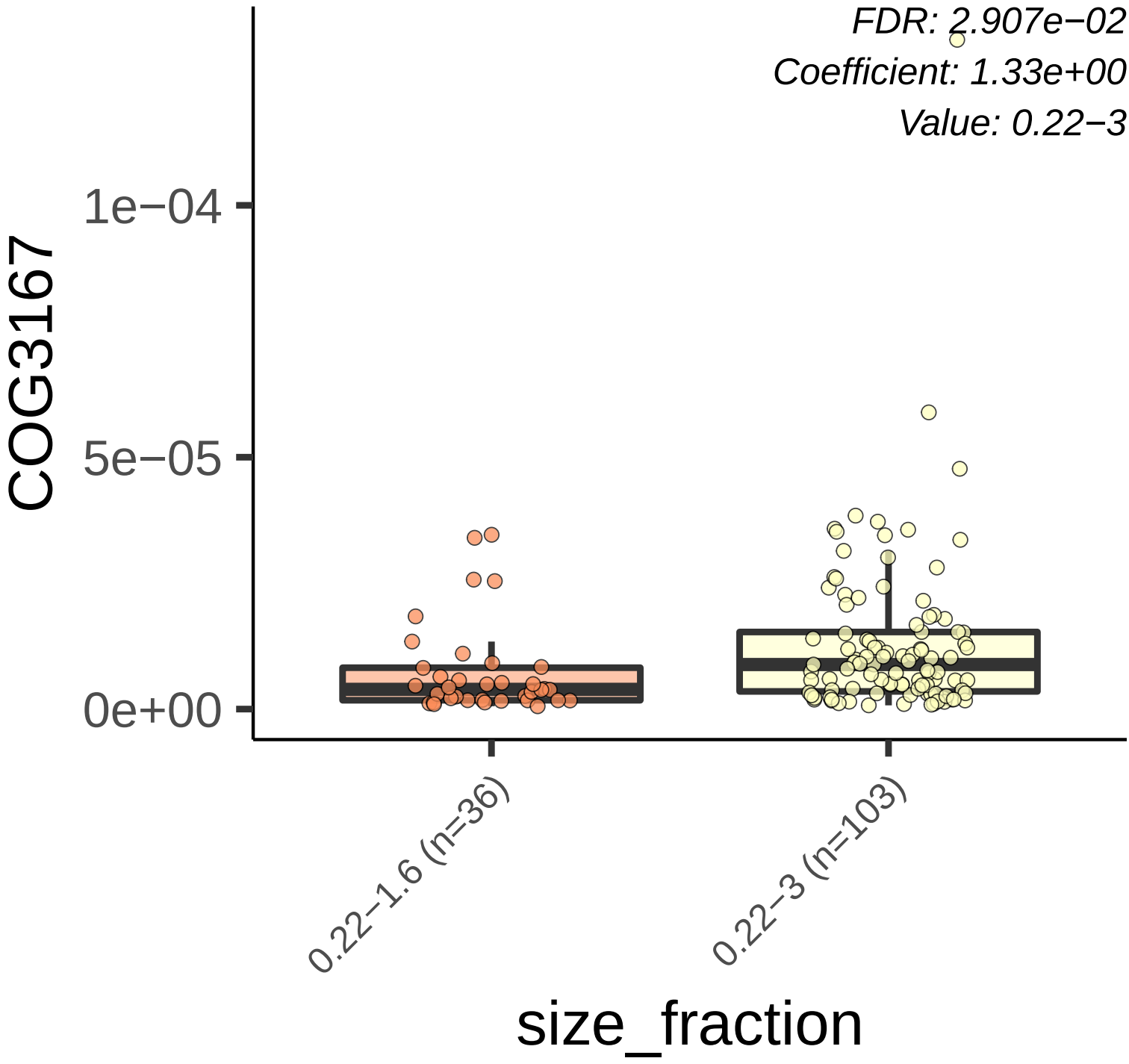

FDR: 2.862e−02
Coefficient: 1.26e+00
Value: 0.22−3
COG0269
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

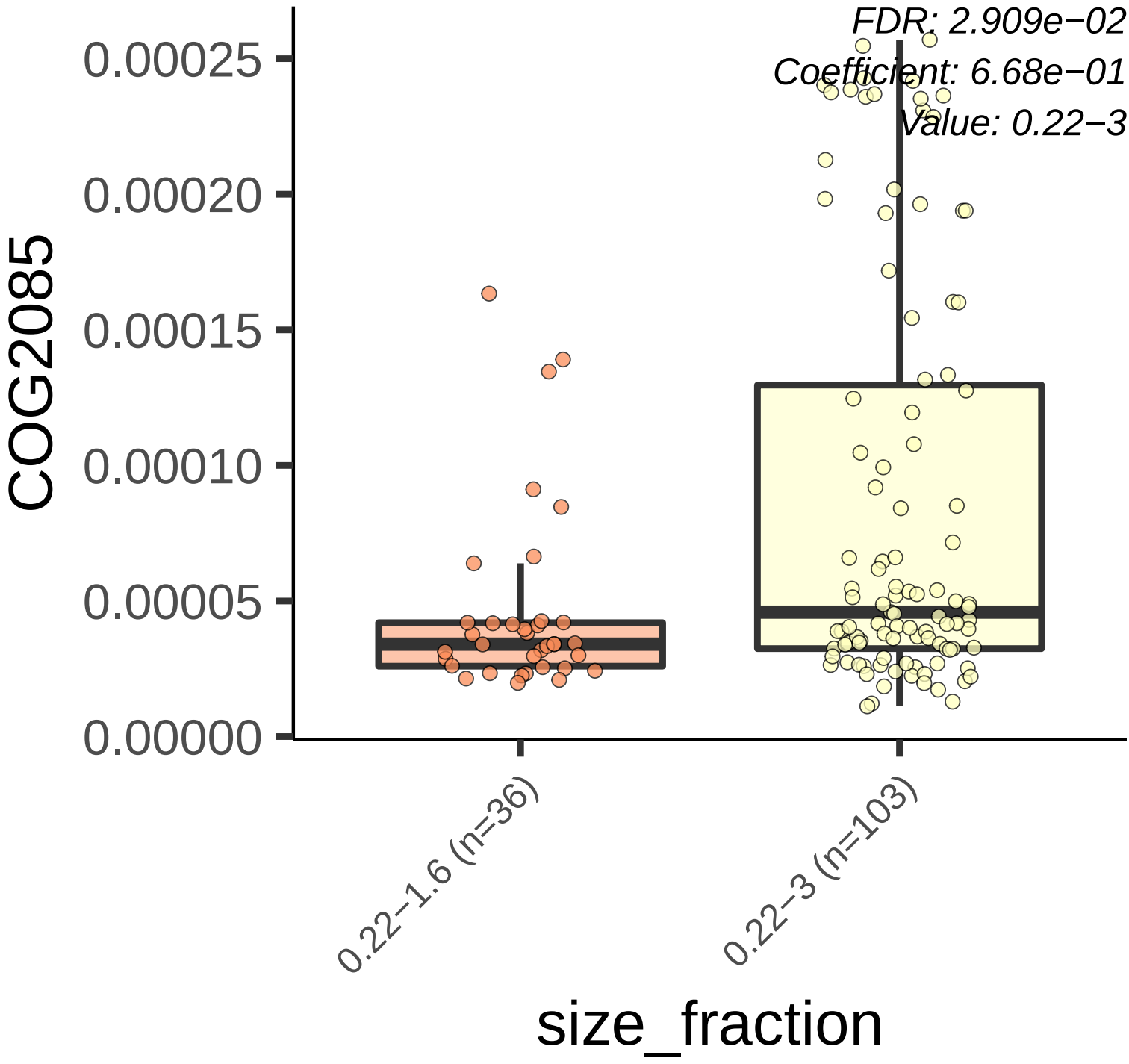

FDR: 2.878e−02
Coefficient: 5.31e−01
Value: 0.22−3
COG2146
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

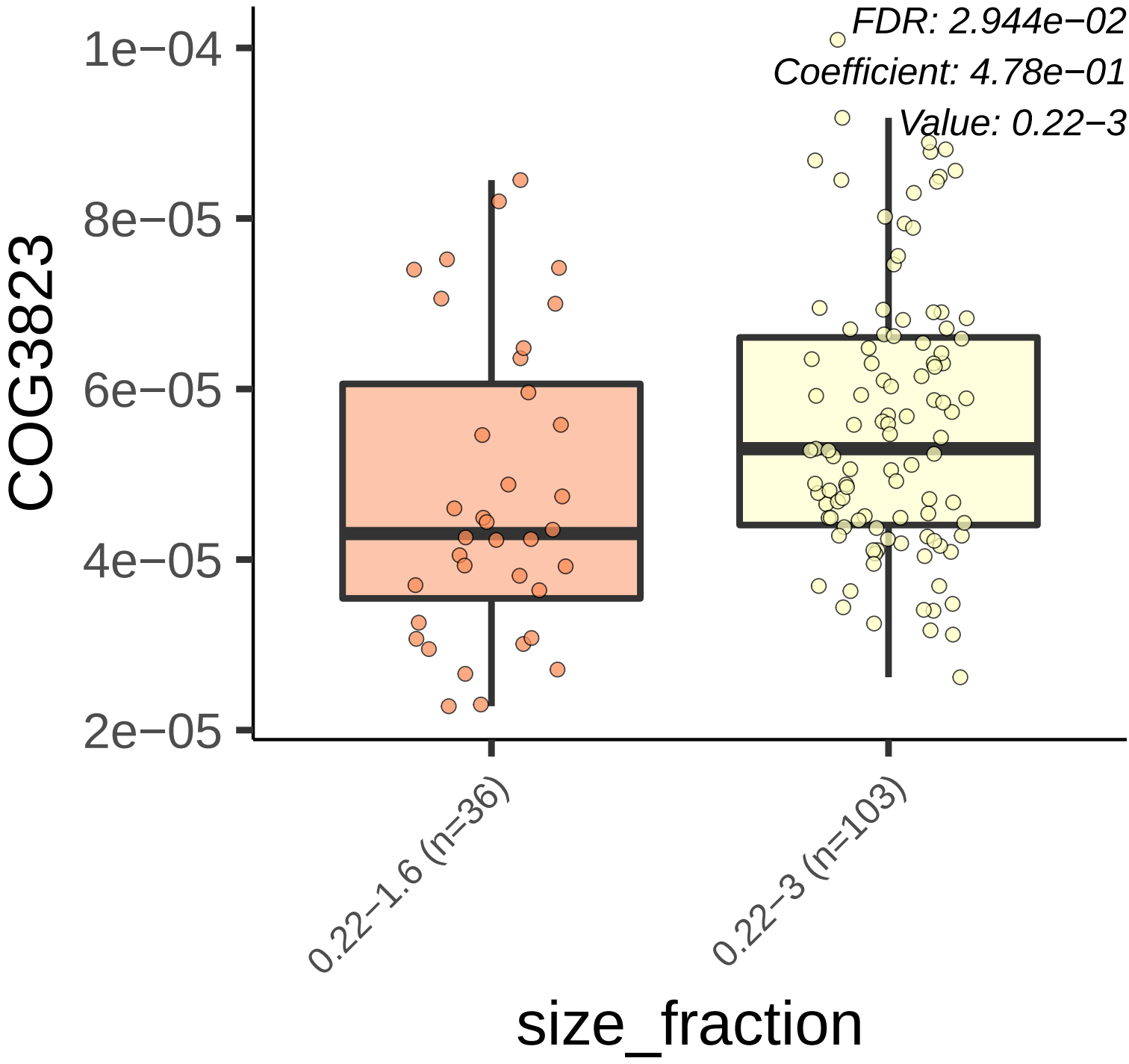

FDR: 2.889e−02
Coefficient: 1.20e+00
Value: 0.22−3
COG2091
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

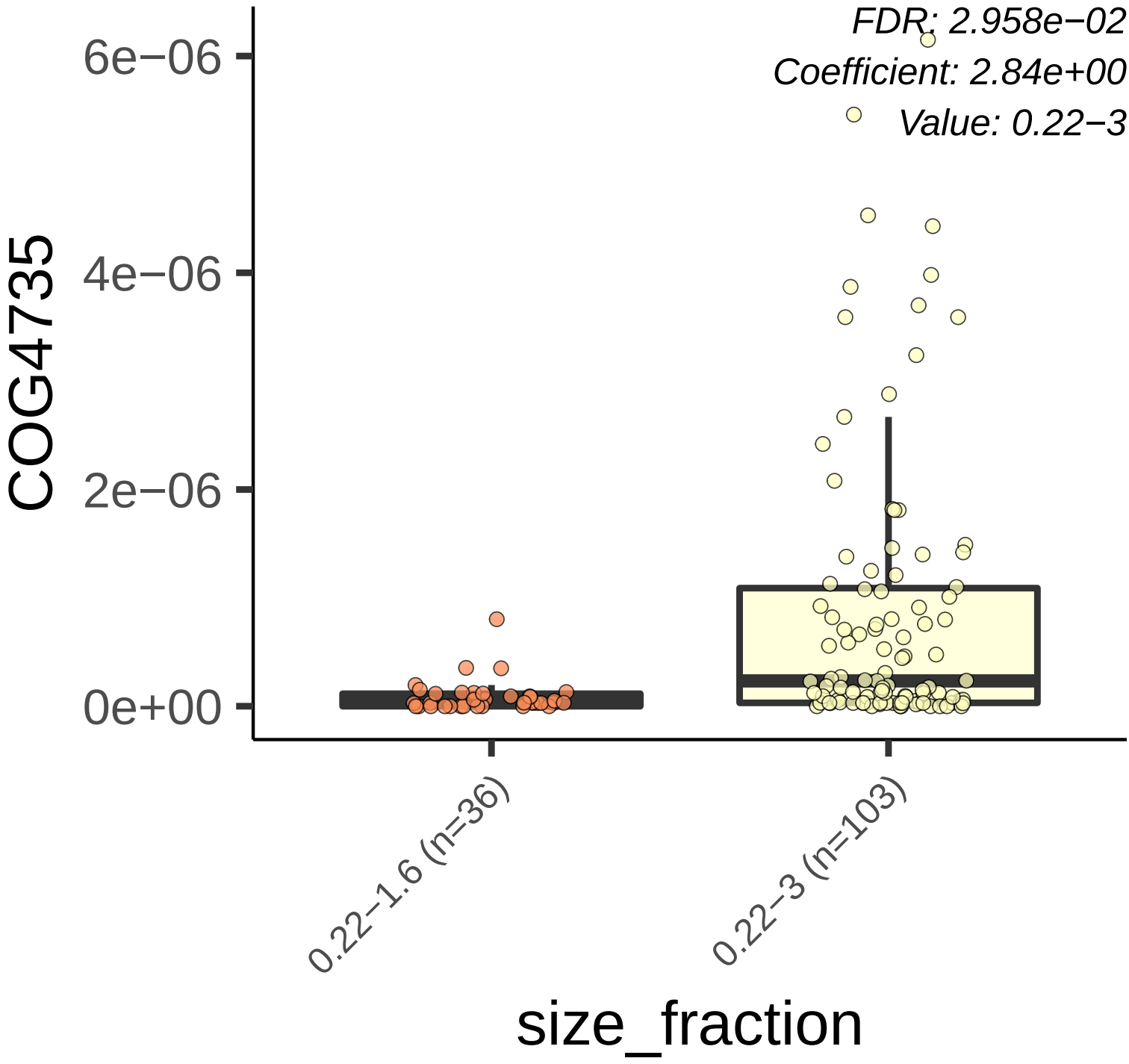

FDR: 2.892e−02
Coefficient: 1.57e+00
Value: 0.22−3
COG3420
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

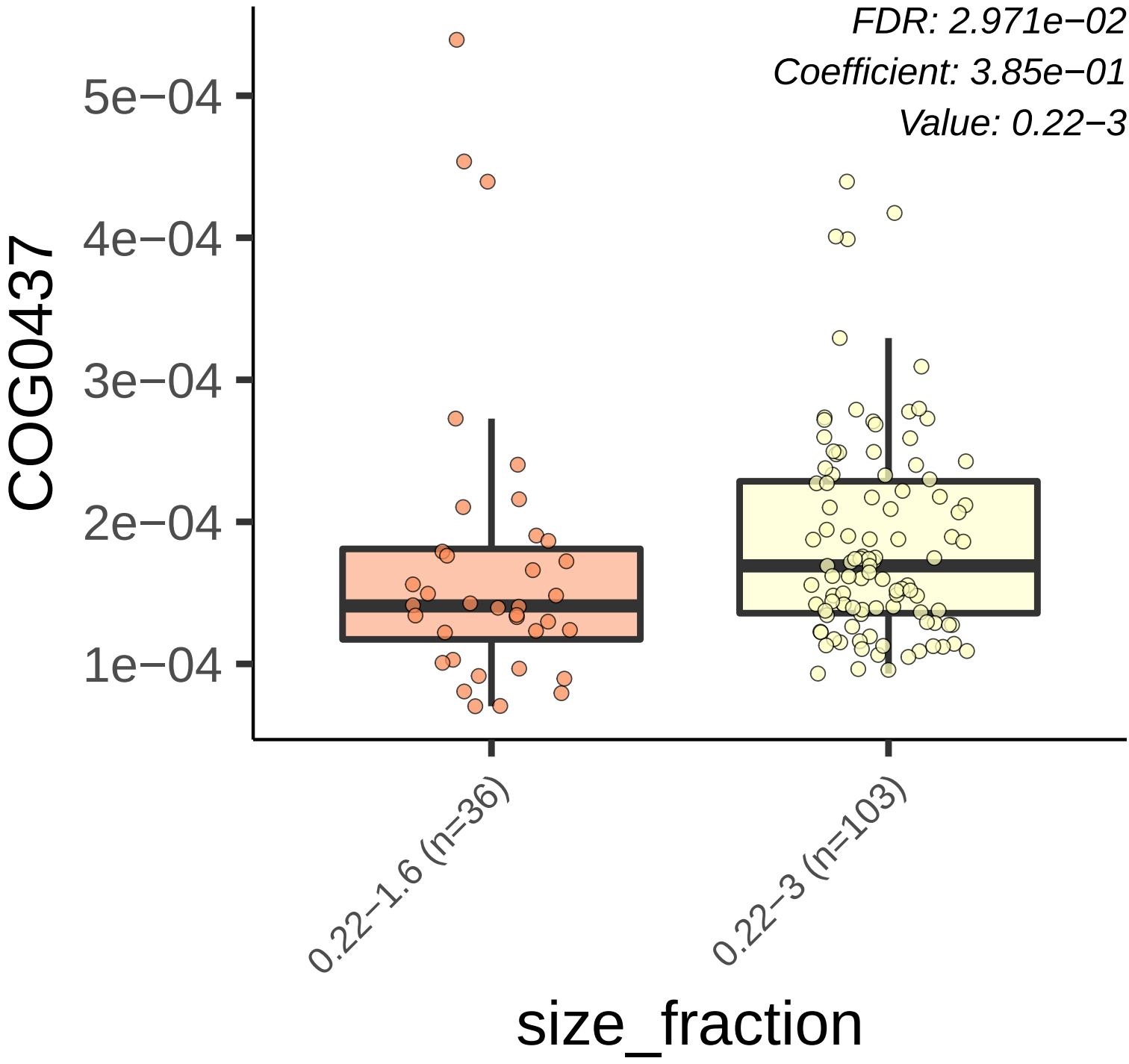

FDR: 2.897e−02
Coefficient: 5.34e−01
Value: 0.22−3
COG4198
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

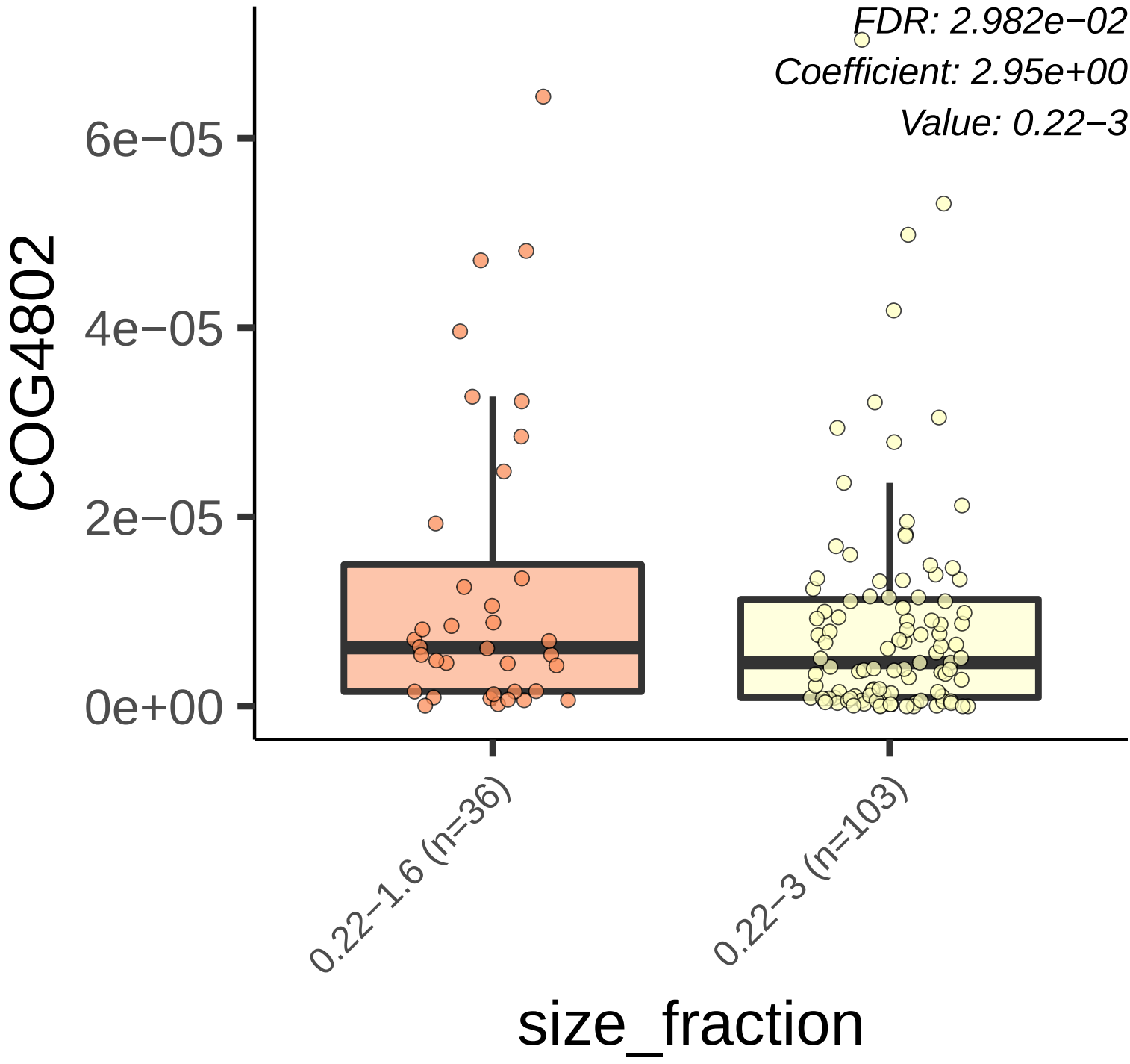

FDR: 2.907e−02
Coefficient: 1.33e+00
Value: 0.22−3
COG3167
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

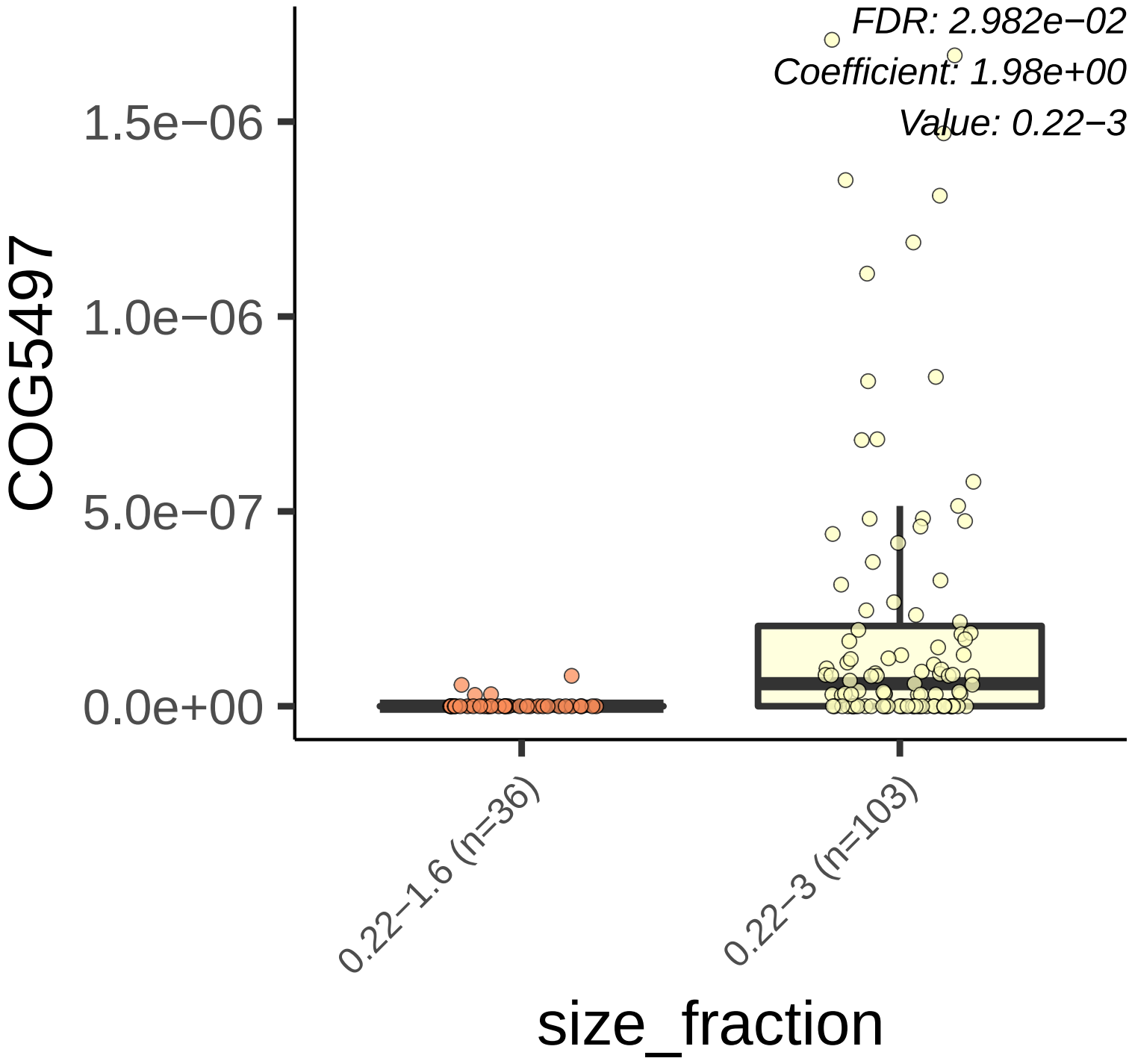

FDR: 2.909e−02
Coefficient: 6.68e−01
Value: 0.22−3
COG2085
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

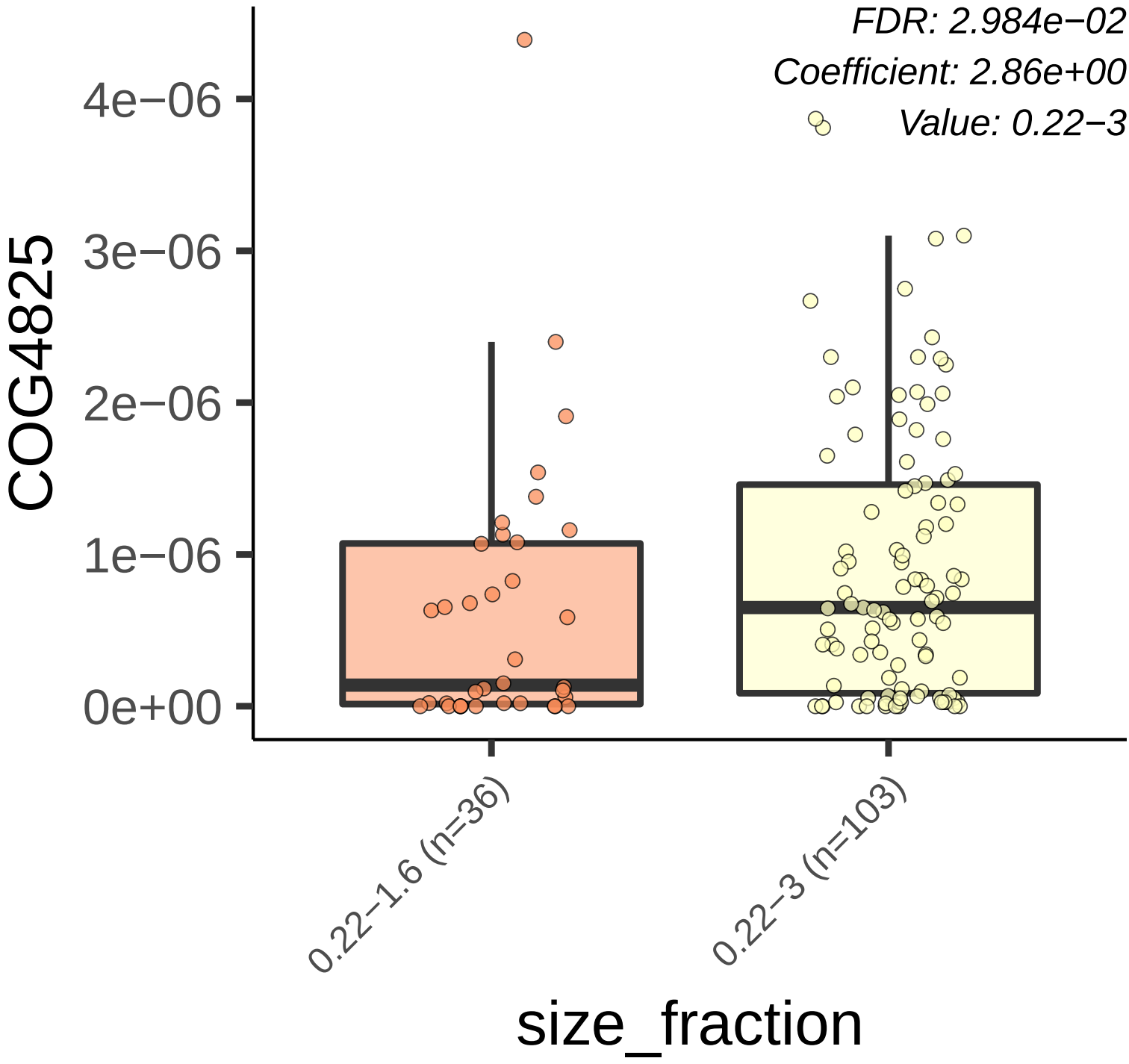

FDR: 2.944e−02
Coefficient: 4.78e−01
Value: 0.22−3
COG3823
1e−04
8e−05
6e−05
4e−05
2e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

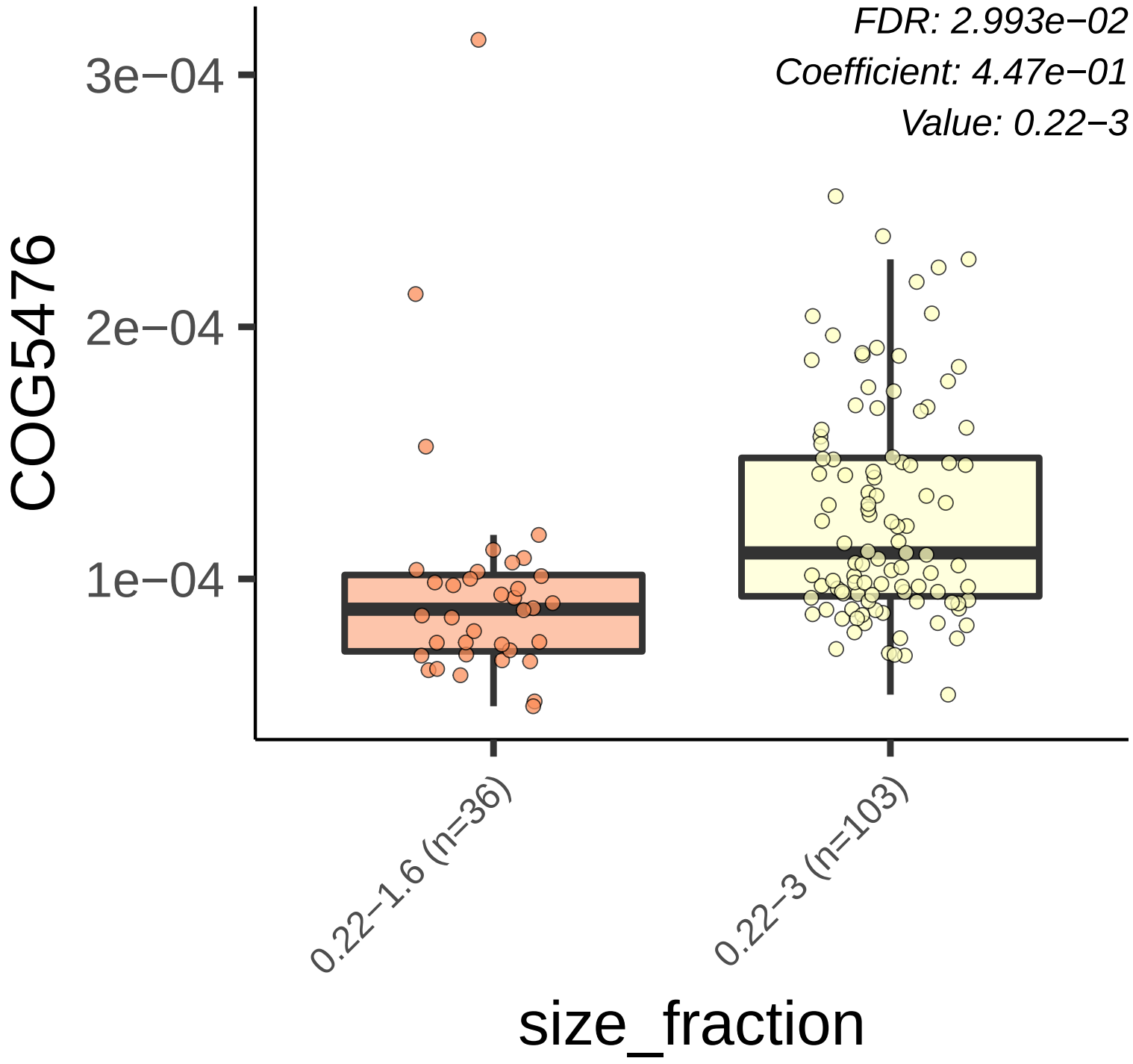

FDR: 2.958e−02
Coefficient: 2.84e+00
Value: 0.22−3
COG4735
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

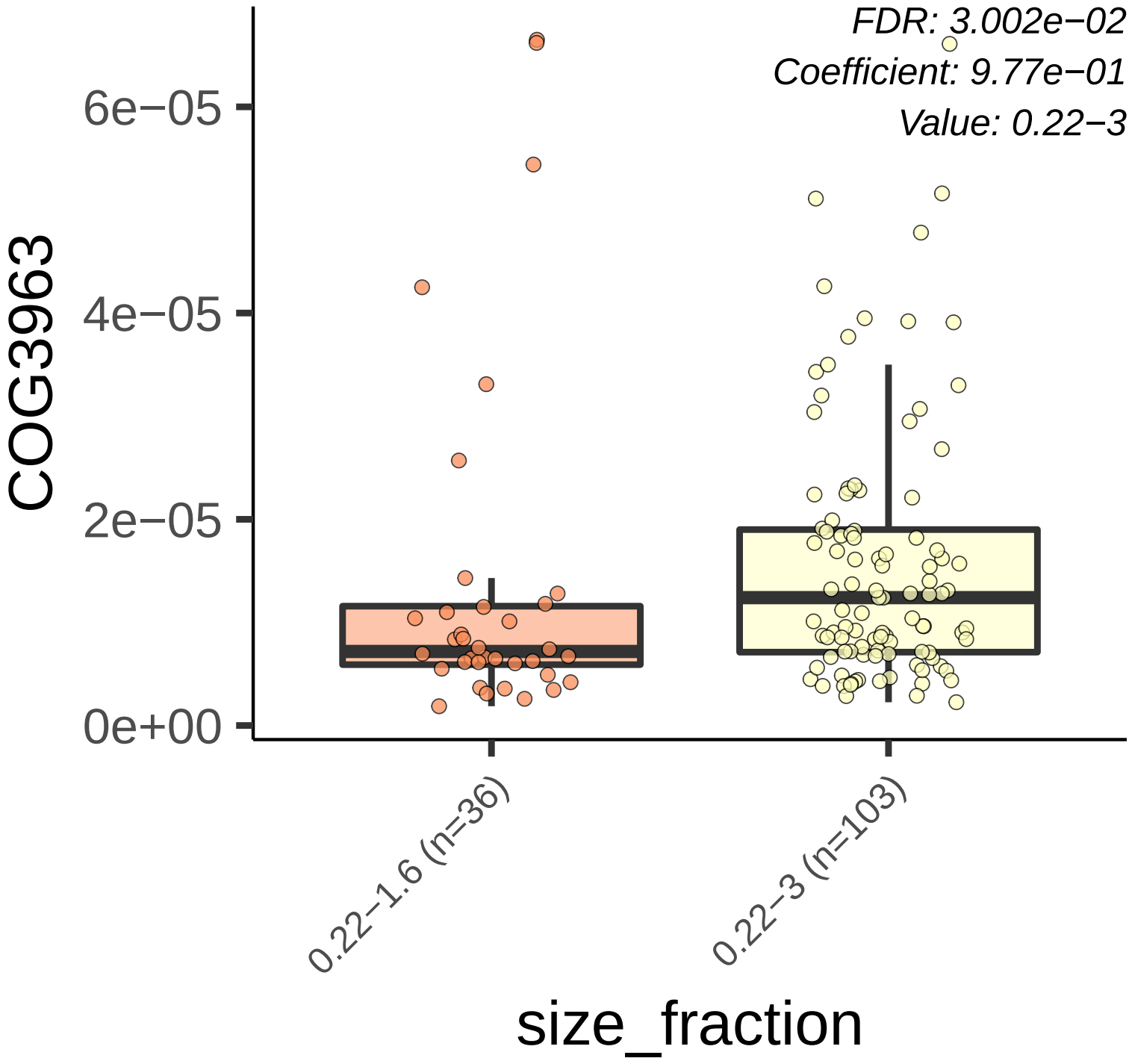

FDR: 2.971e−02
Coefficient: 3.85e−01
Value: 0.22−3
COG0437
5e−04
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

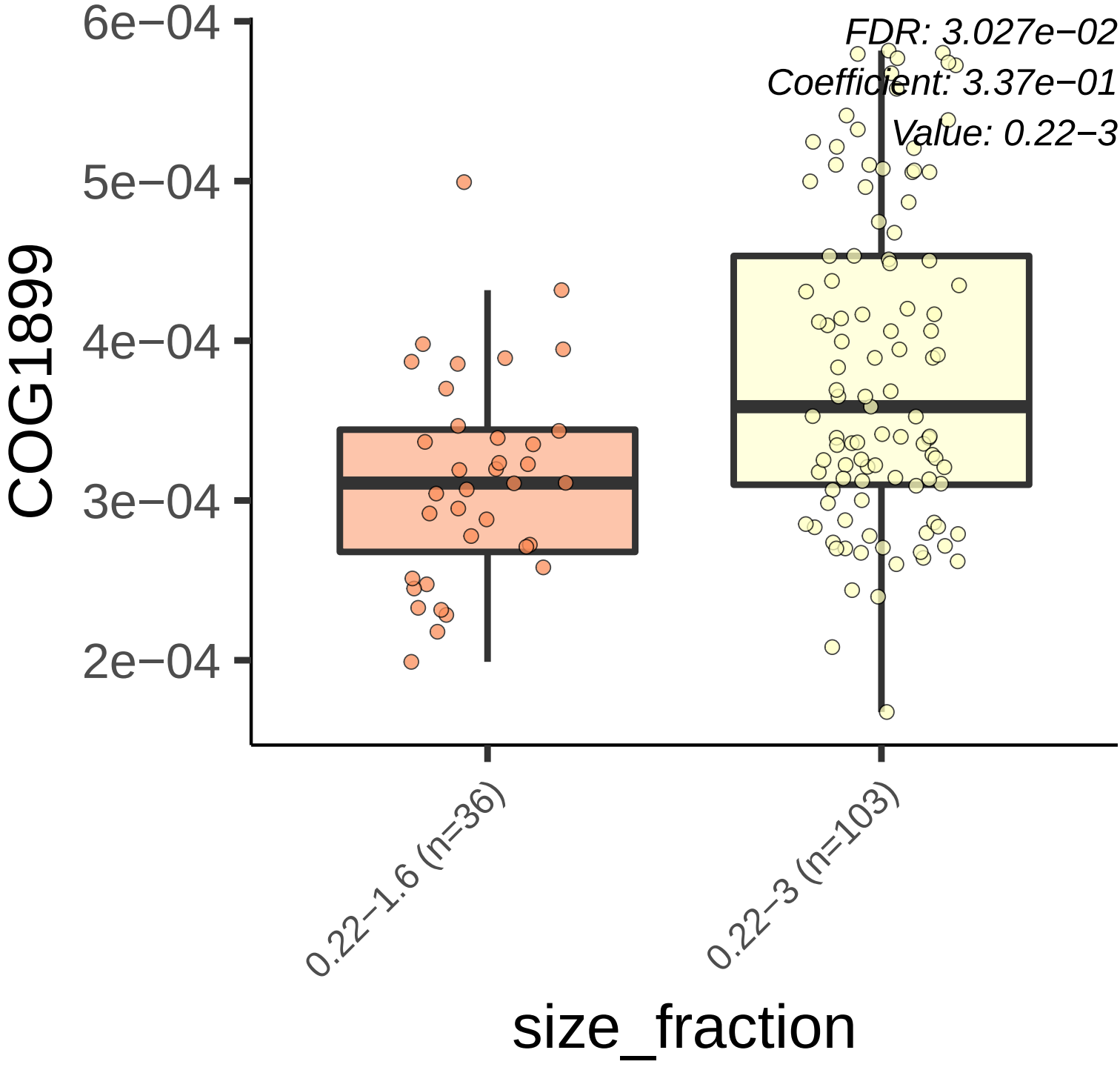

FDR: 2.982e−02
Coefficient: 2.95e+00
Value: 0.22−3
COG4802
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

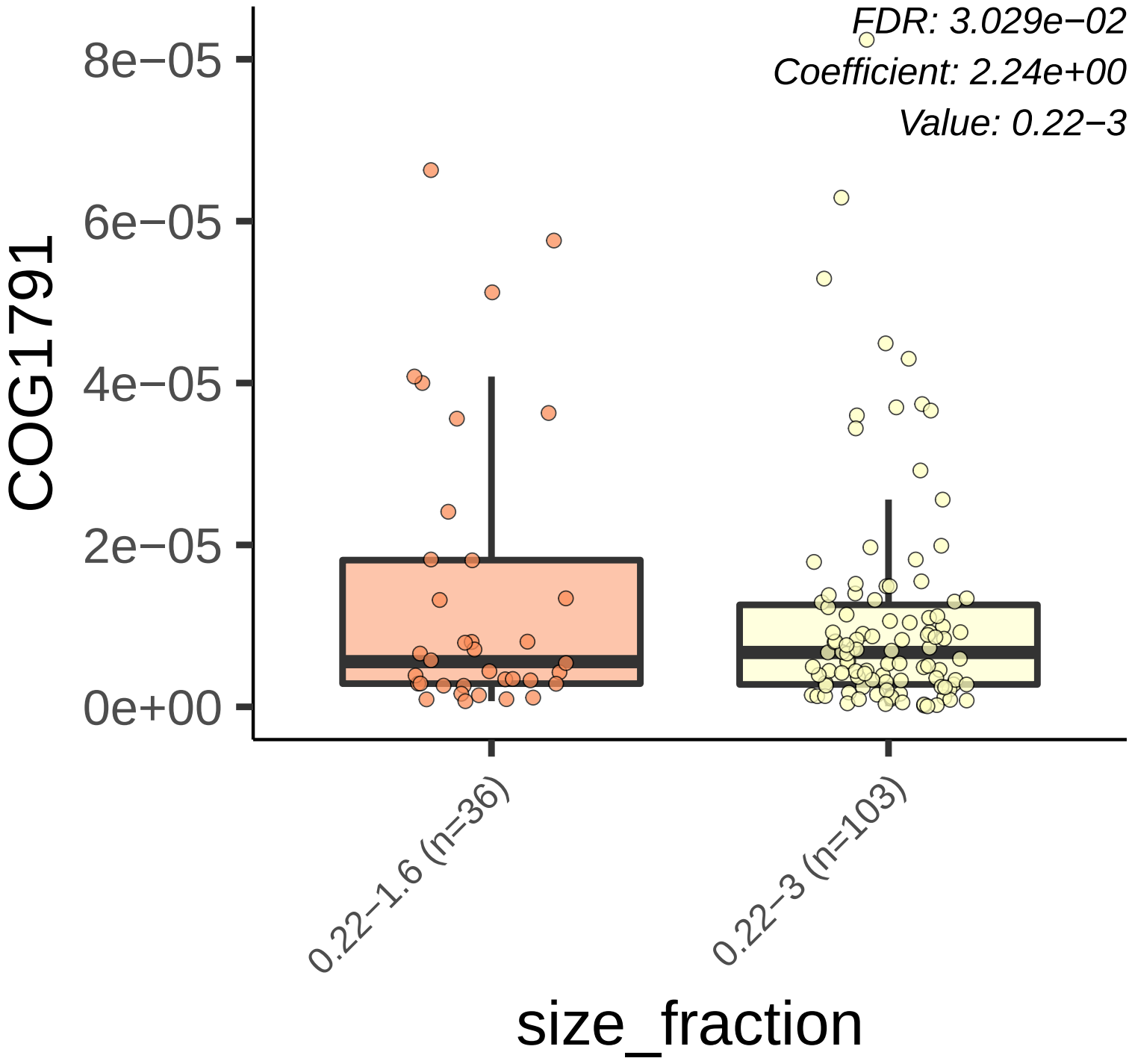

FDR: 2.982e−02
Coefficient: 1.98e+00
Value: 0.22−3
COG5497
1.5e−06
1.0e−06
5.0e−07
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

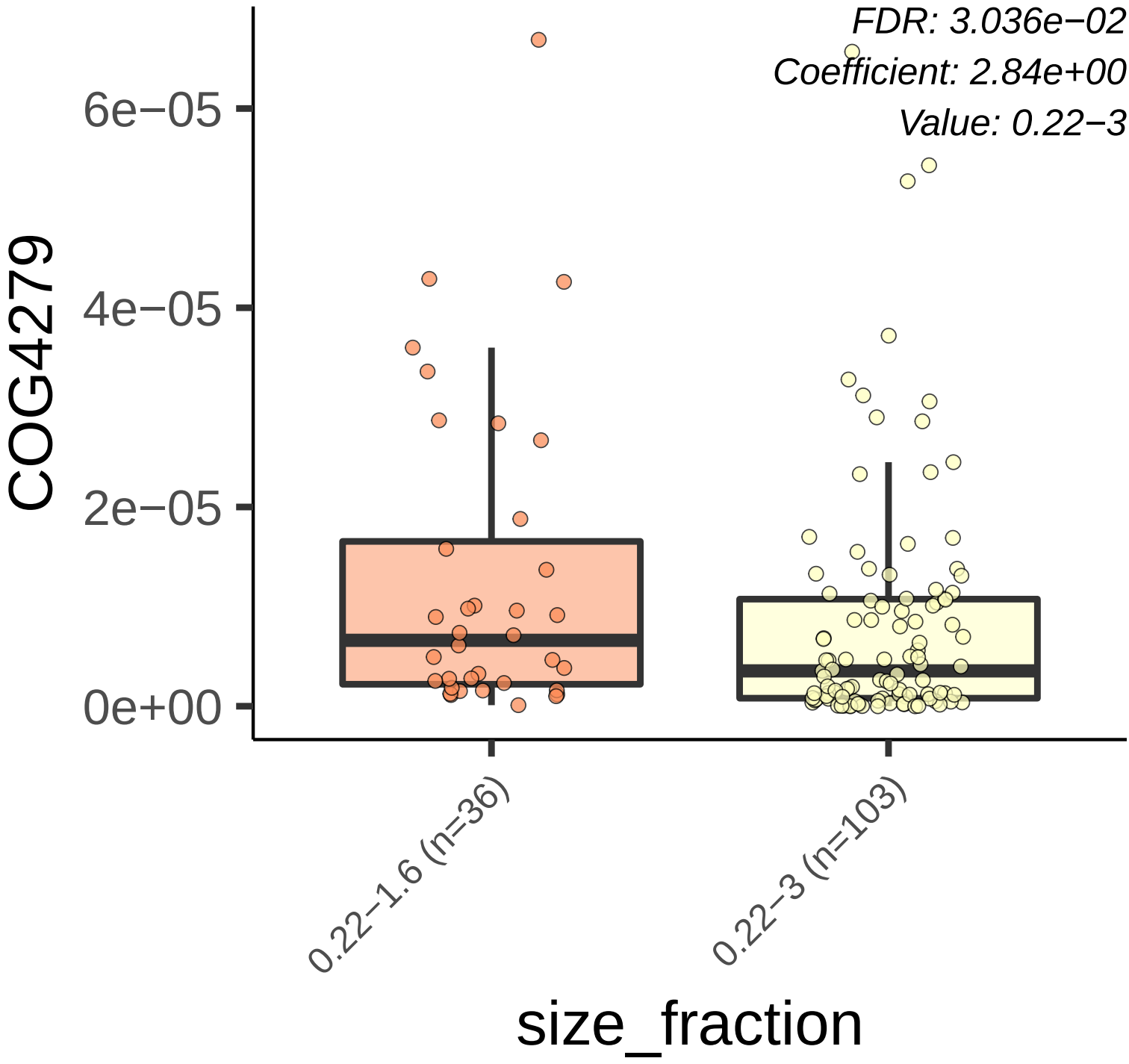

FDR: 2.984e−02
Coefficient: 2.86e+00
Value: 0.22−3
COG4825
4e−06
3e−06
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

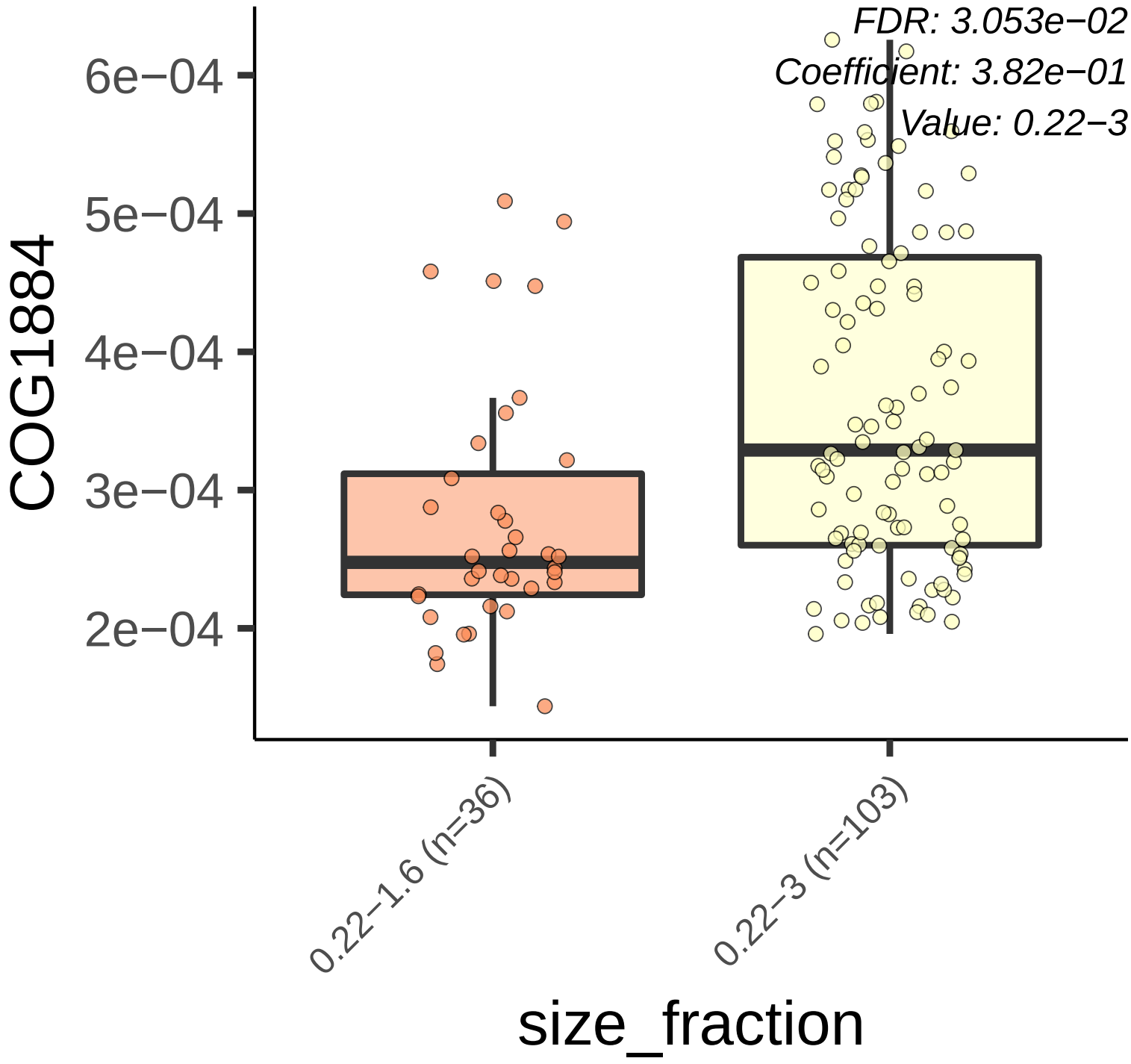

FDR: 2.993e−02
Coefficient: 4.47e−01
Value: 0.22−3
COG5476
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

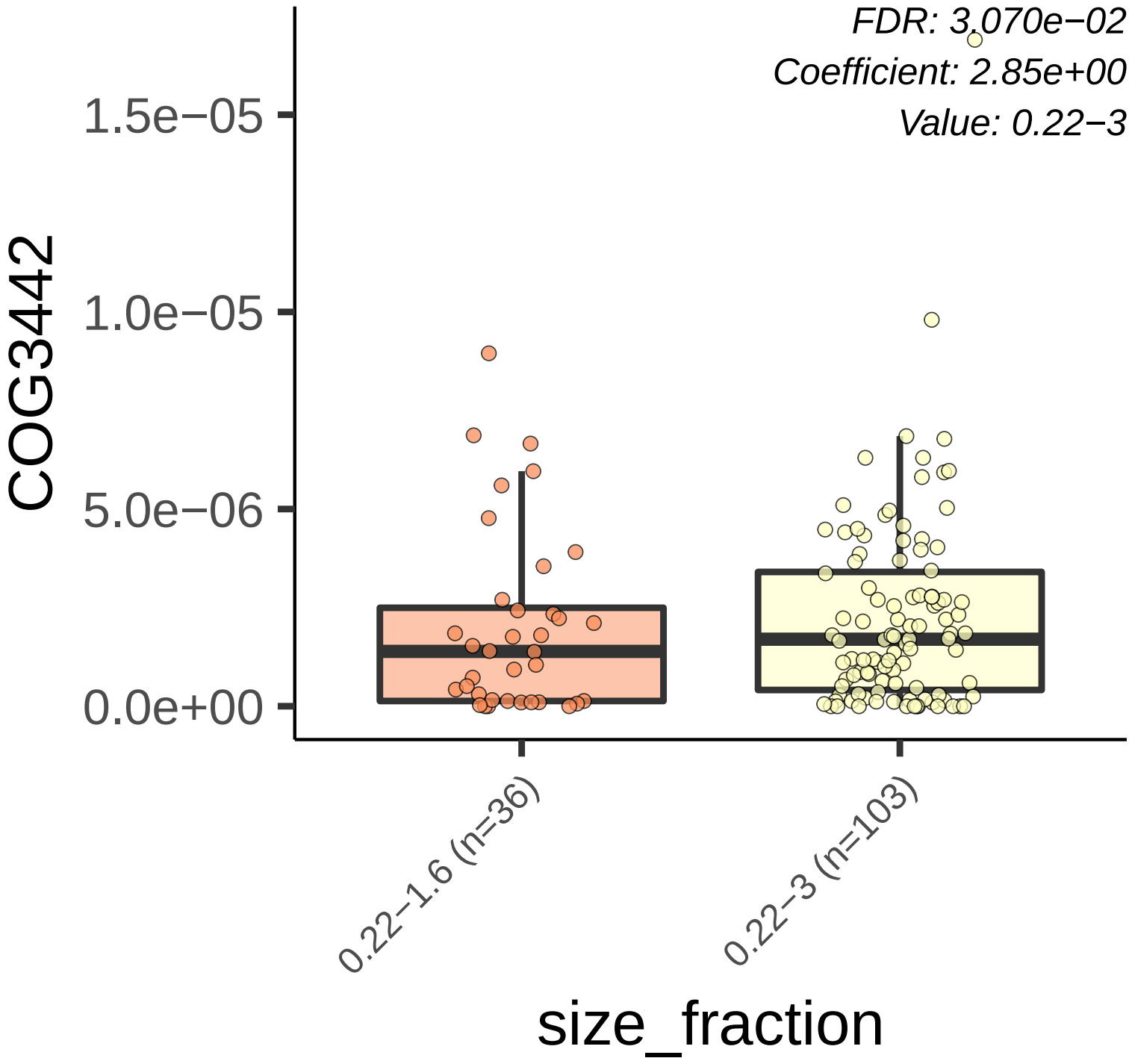

FDR: 3.002e−02
Coefficient: 9.77e−01
Value: 0.22−3
COG3963
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

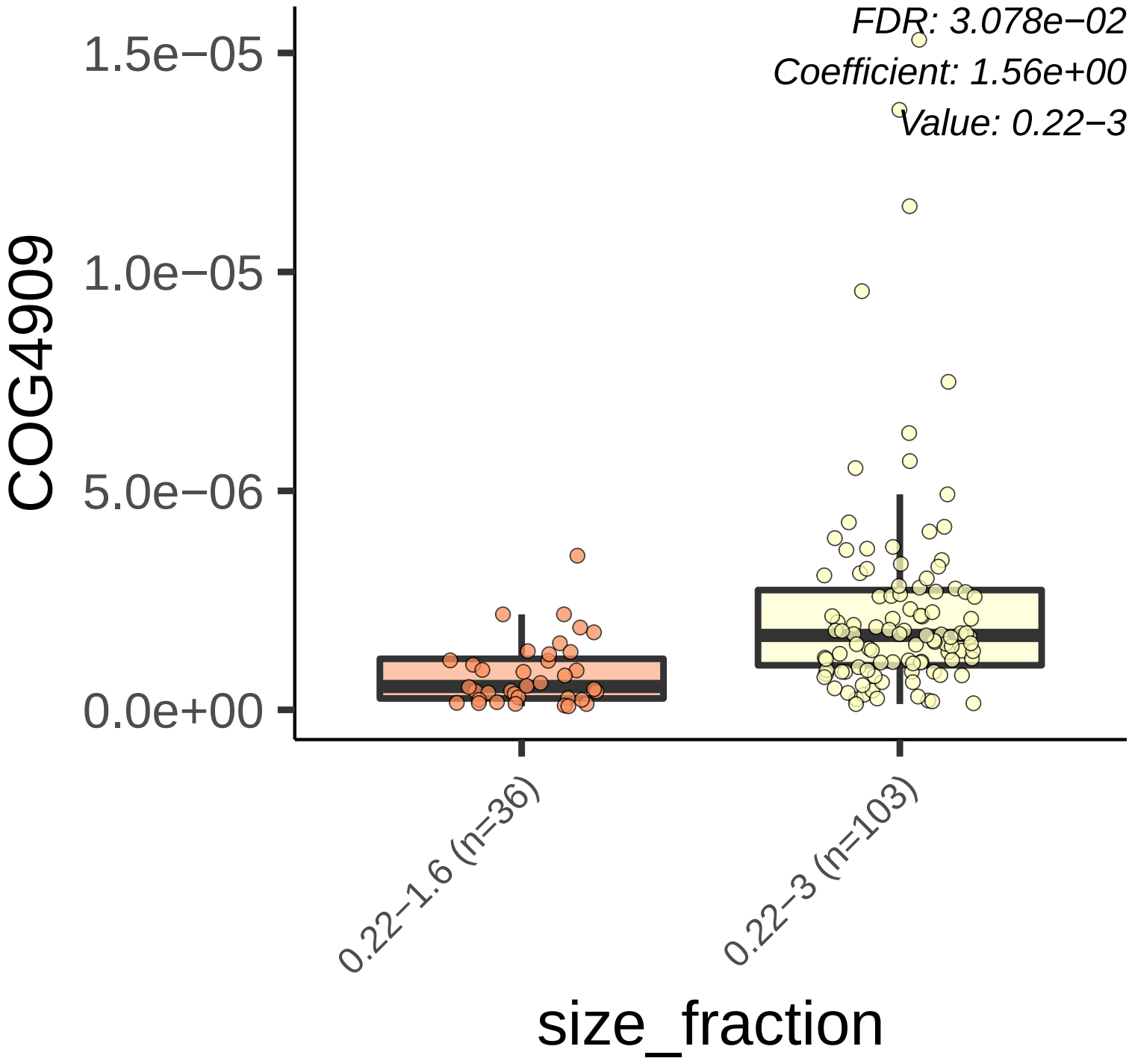

FDR: 3.027e−02
Coefficient: 3.37e−01
Value: 0.22−3
COG1899
6e−04
5e−04
4e−04
3e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

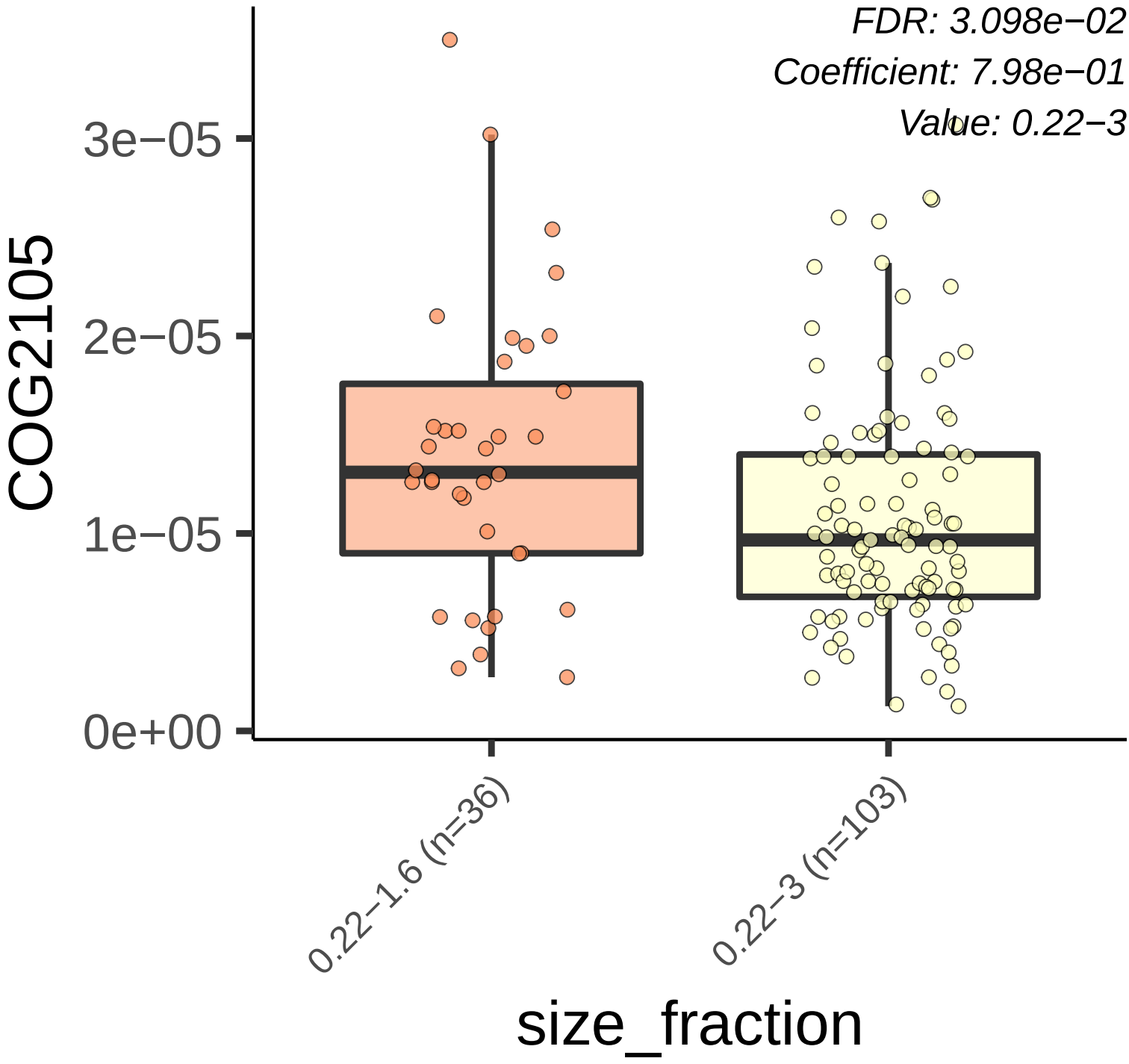

FDR: 3.029e−02
Coefficient: 2.24e+00
Value: 0.22−3
COG1791
8e−05
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

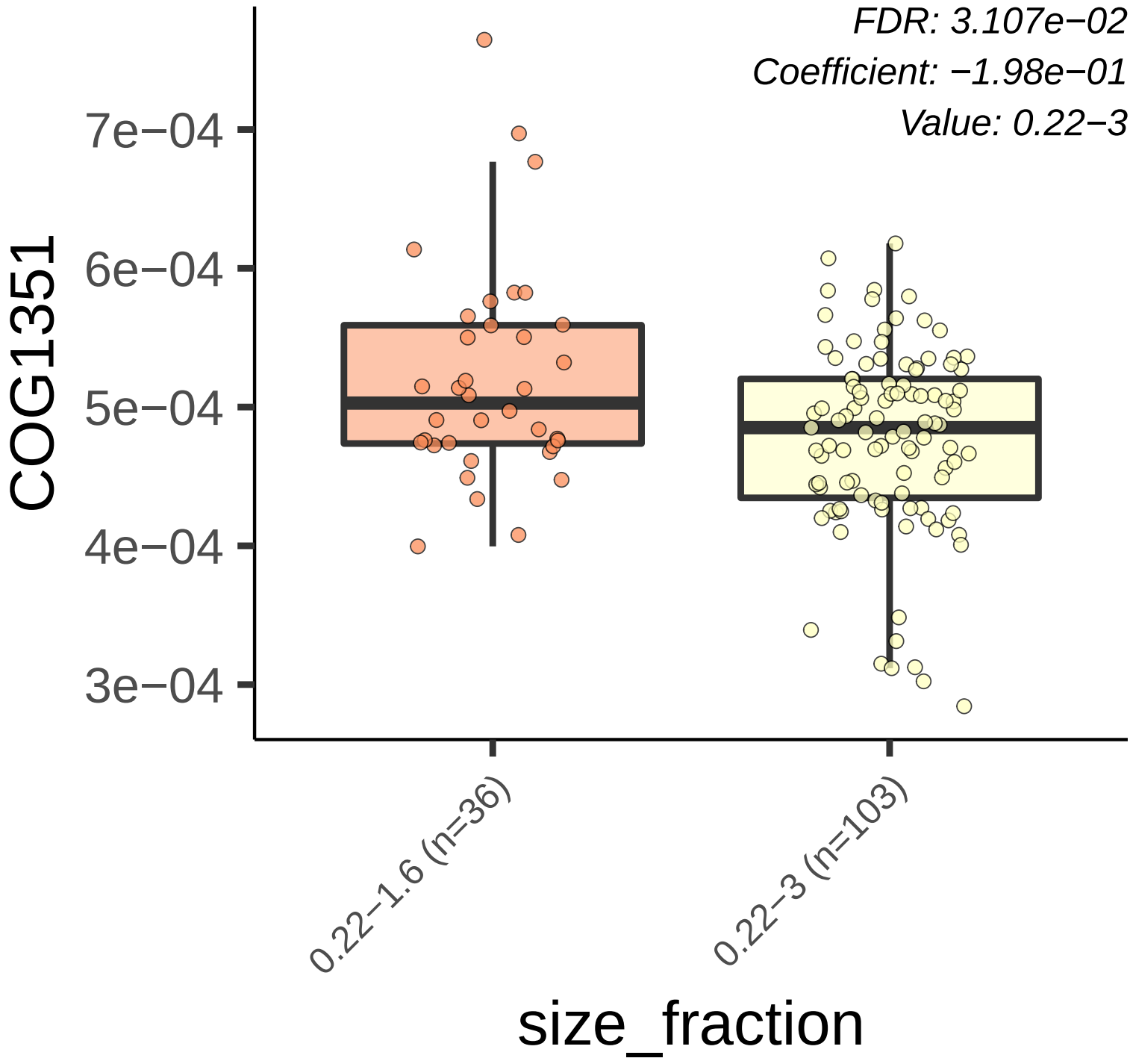

FDR: 3.036e−02
Coefficient: 2.84e+00
Value: 0.22−3
COG4279
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

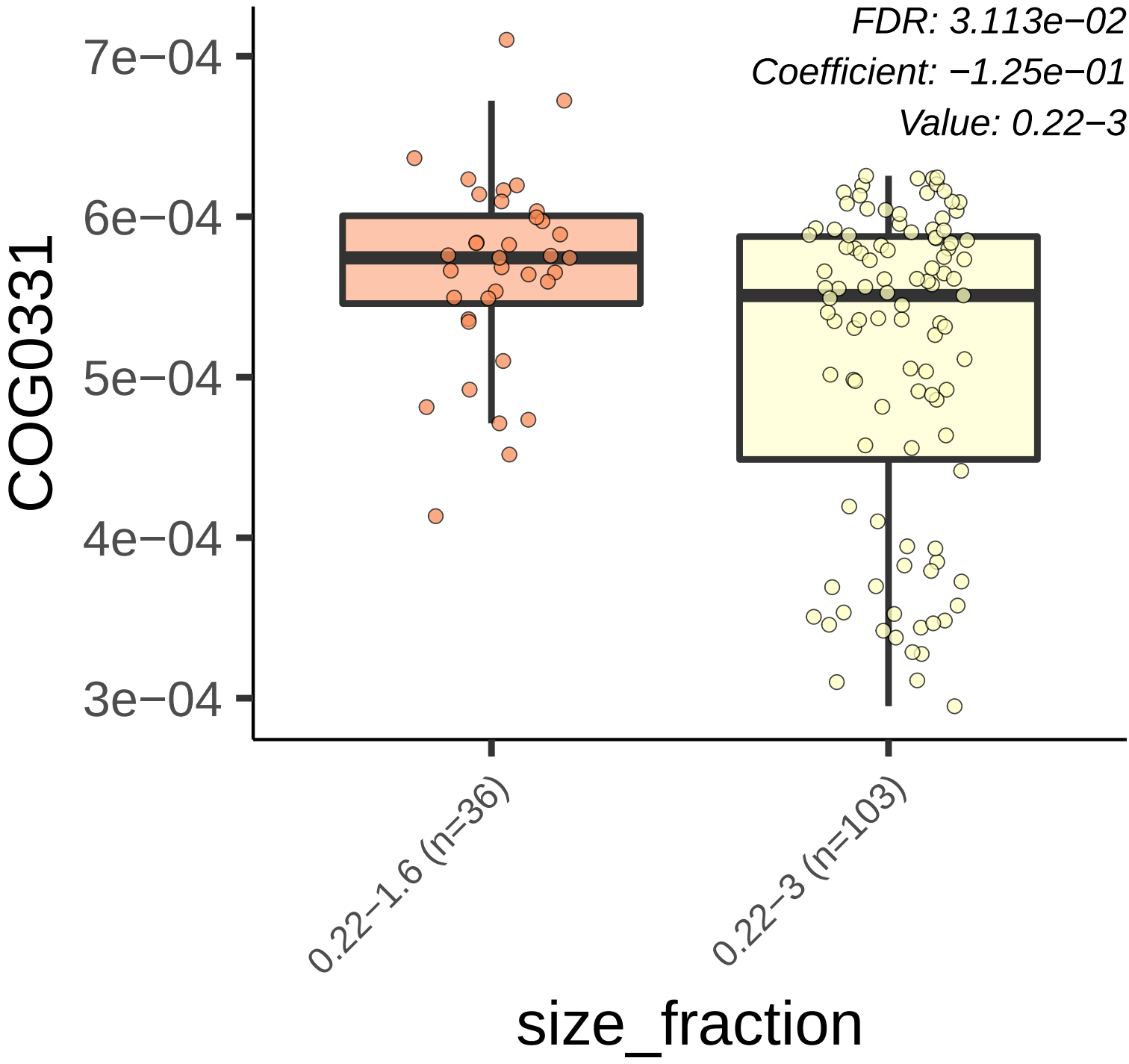

FDR: 3.053e−02
Coefficient: 3.82e−01
Value: 0.22−3
COG1884
6e−04
5e−04
4e−04
3e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

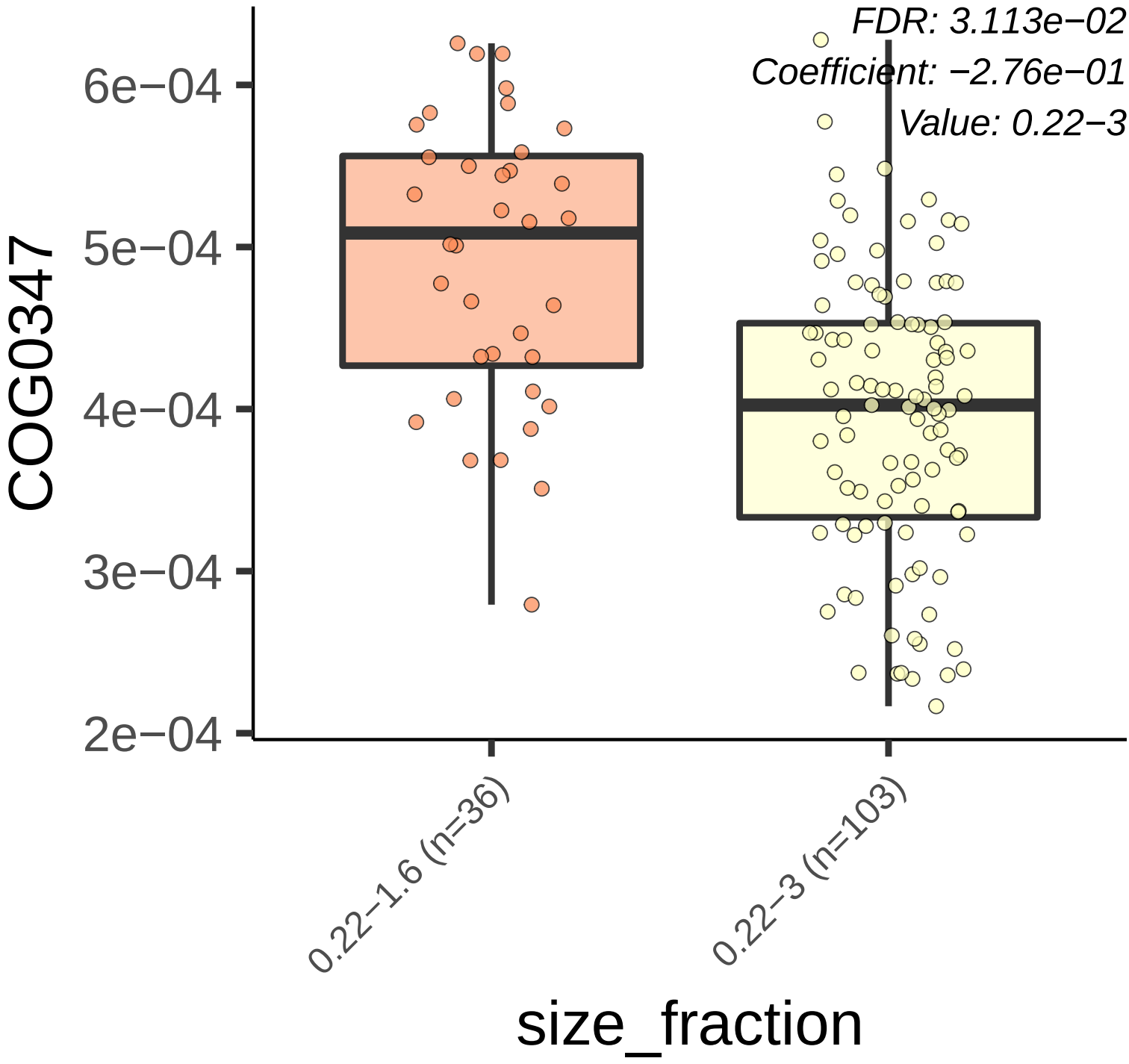

FDR: 3.070e−02
Coefficient: 2.85e+00
Value: 0.22−3
COG3442
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

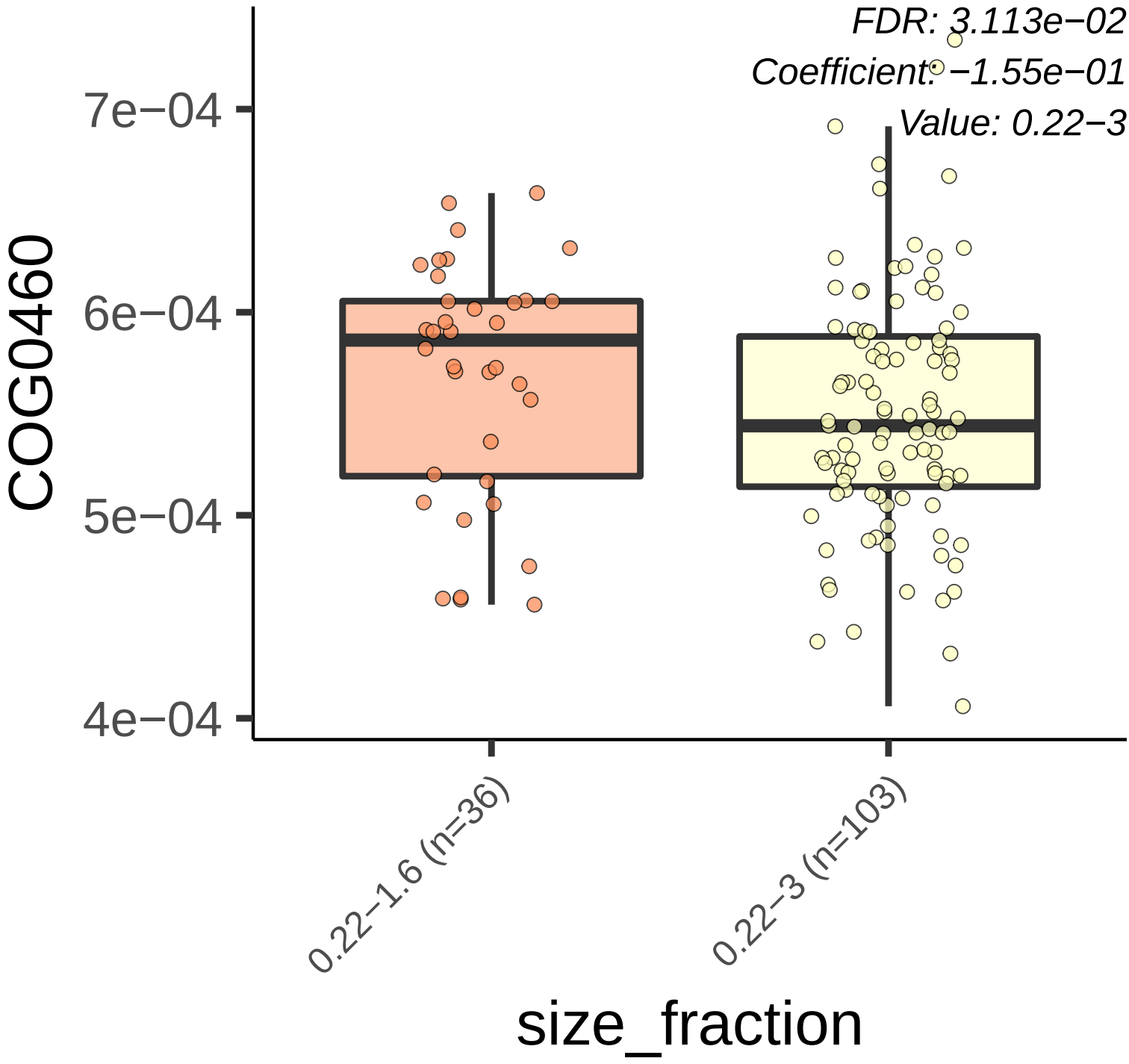

FDR: 3.078e−02
Coefficient: 1.56e+00
Value: 0.22−3
COG4909
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

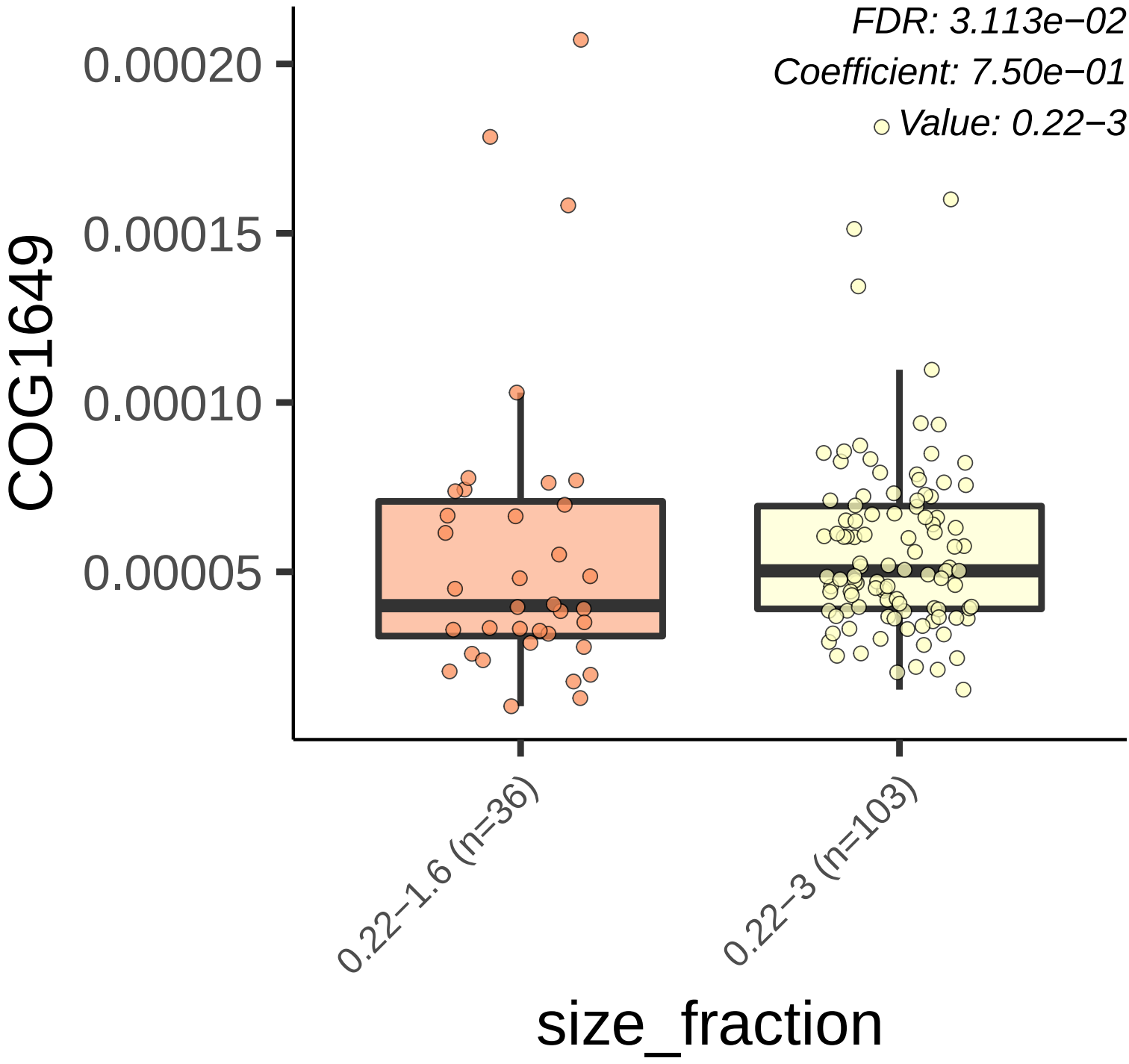

FDR: 3.098e−02
Coefficient: 7.98e−01
Value: 0.22−3
COG2105
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

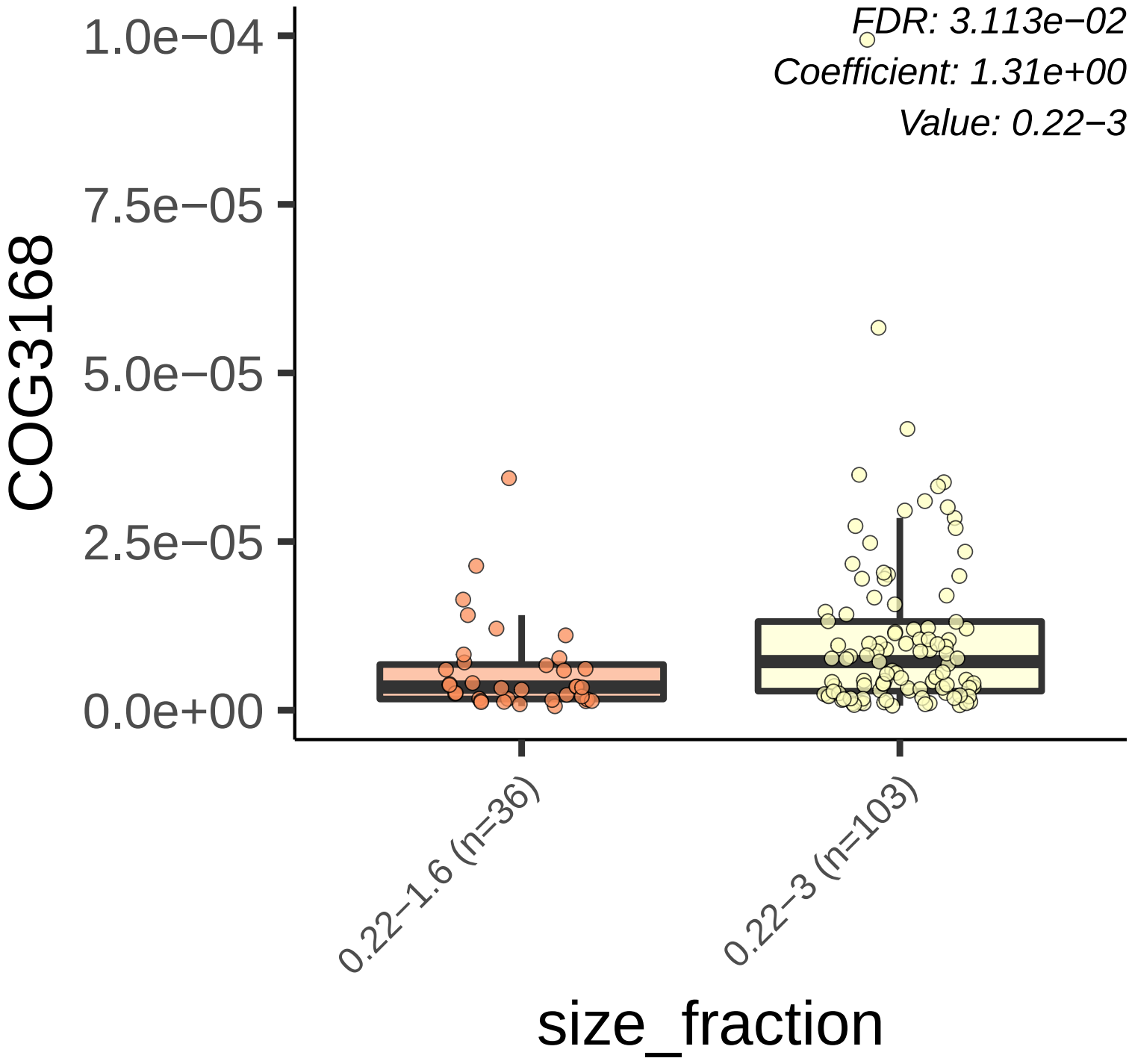

FDR: 3.107e−02
Coefficient: −1.98e−01
Value: 0.22−3
COG1351
7e−04
6e−04
5e−04
4e−04
3e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

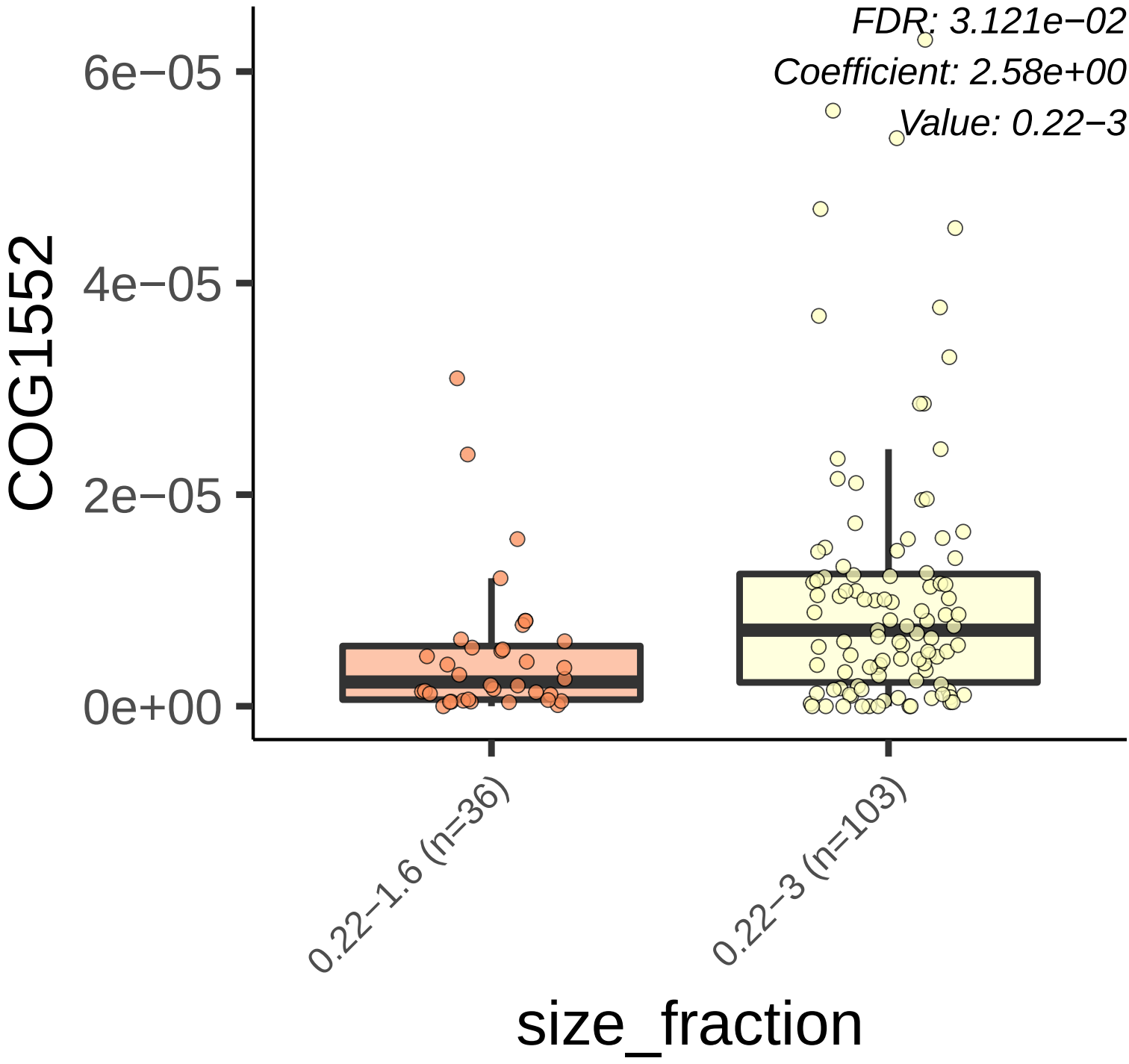

FDR: 3.113e−02
Coefficient: −1.25e−01
Value: 0.22−3
7e−04
6e−04
5e−04
4e−04
3e−04
COG0331
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

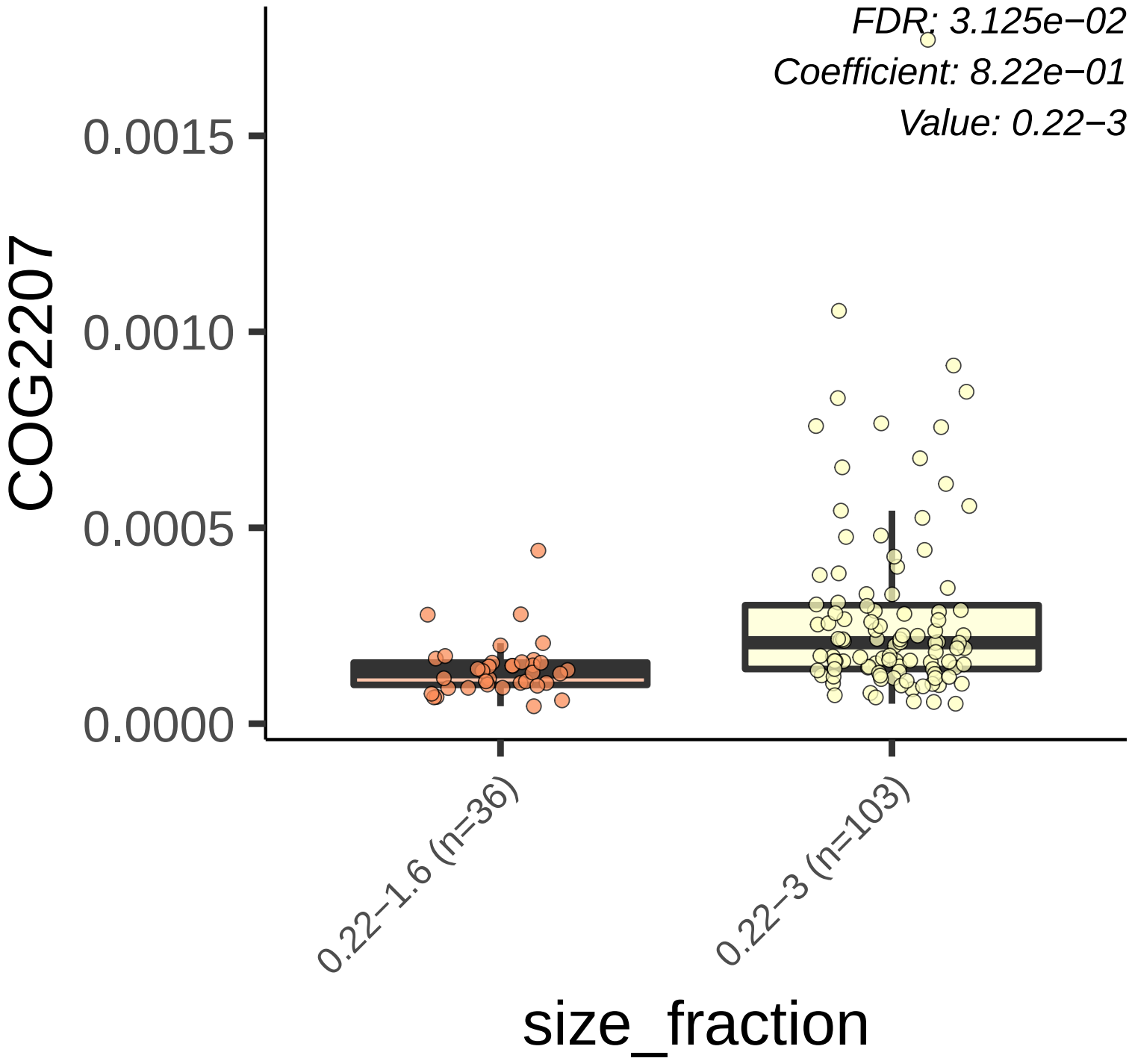

FDR: 3.113e−02
Coefficient: −2.76e−01
Value: 0.22−3
COG0347
6e−04
5e−04
4e−04
3e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

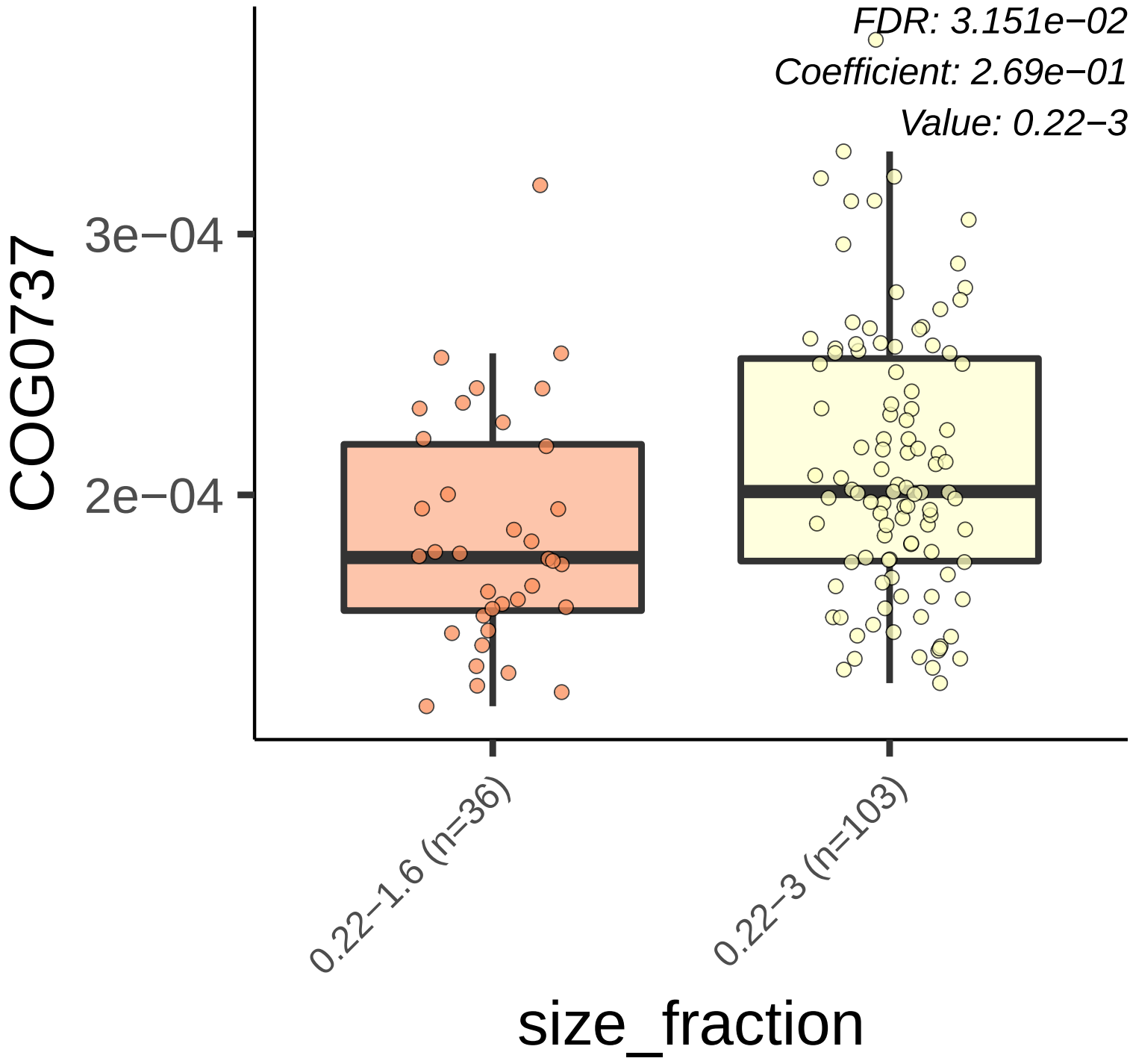

FDR: 3.113e−02
Coefficient: −1.55e−01
Value: 0.22−3
7e−04
6e−04
5e−04
4e−04
COG0460
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

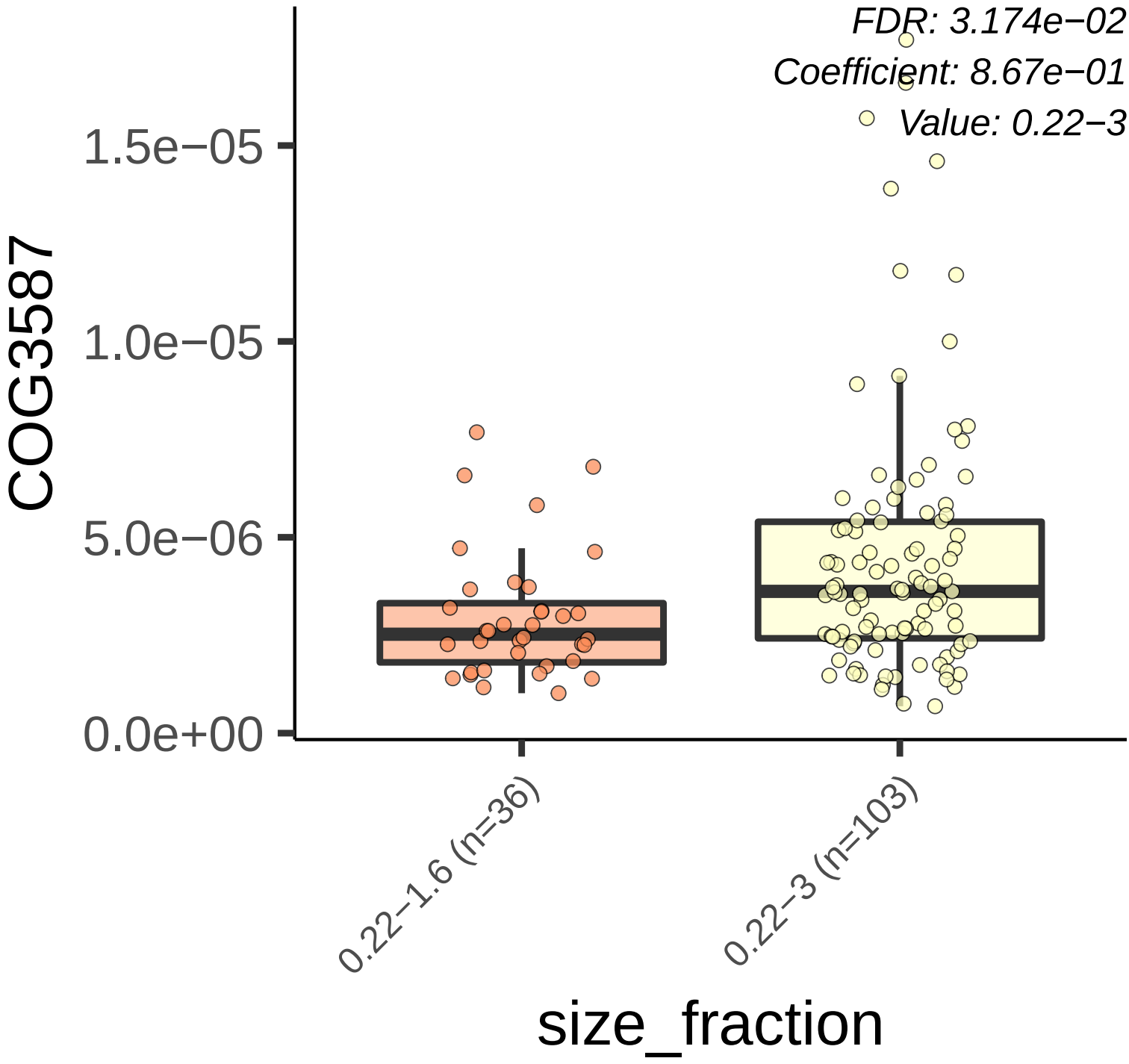

FDR: 3.113e−02
Coefficient: 7.50e−01
Value: 0.22−3
COG1649
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

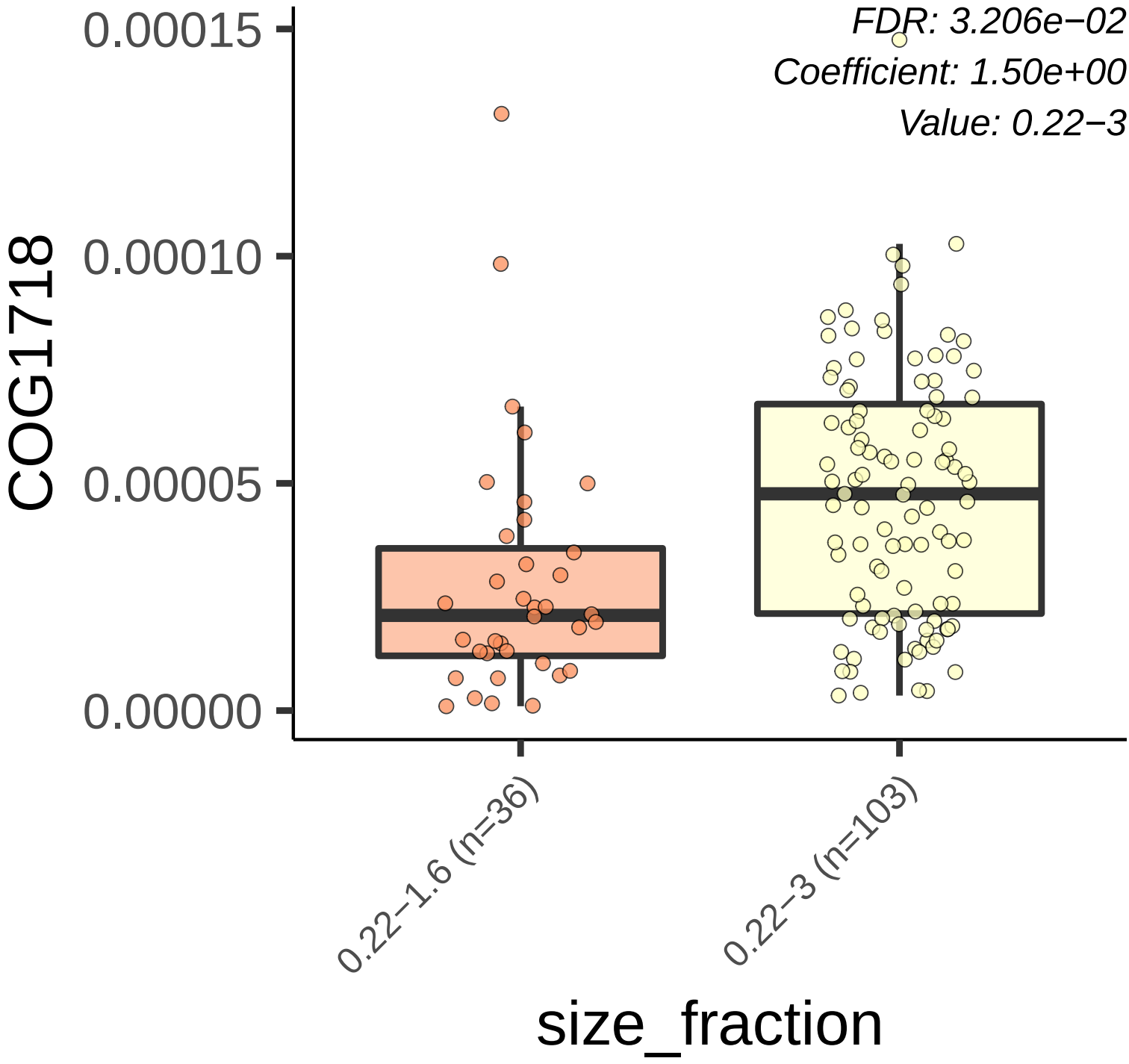

FDR: 3.113e−02
Coefficient: 1.31e+00
Value: 0.22−3
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG3168
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

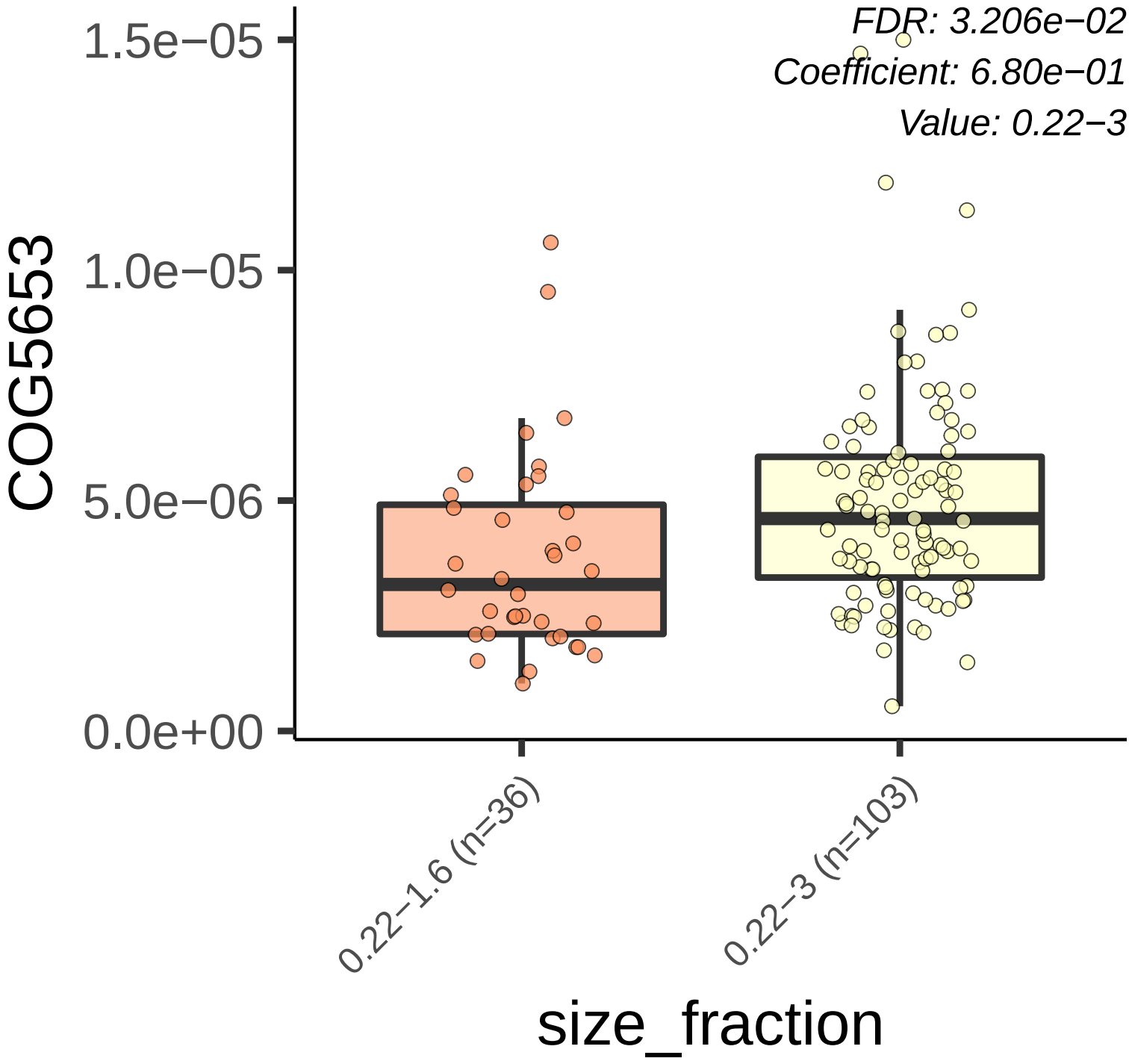

FDR: 3.121e−02
Coefficient: 2.58e+00
Value: 0.22−3
COG1552
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

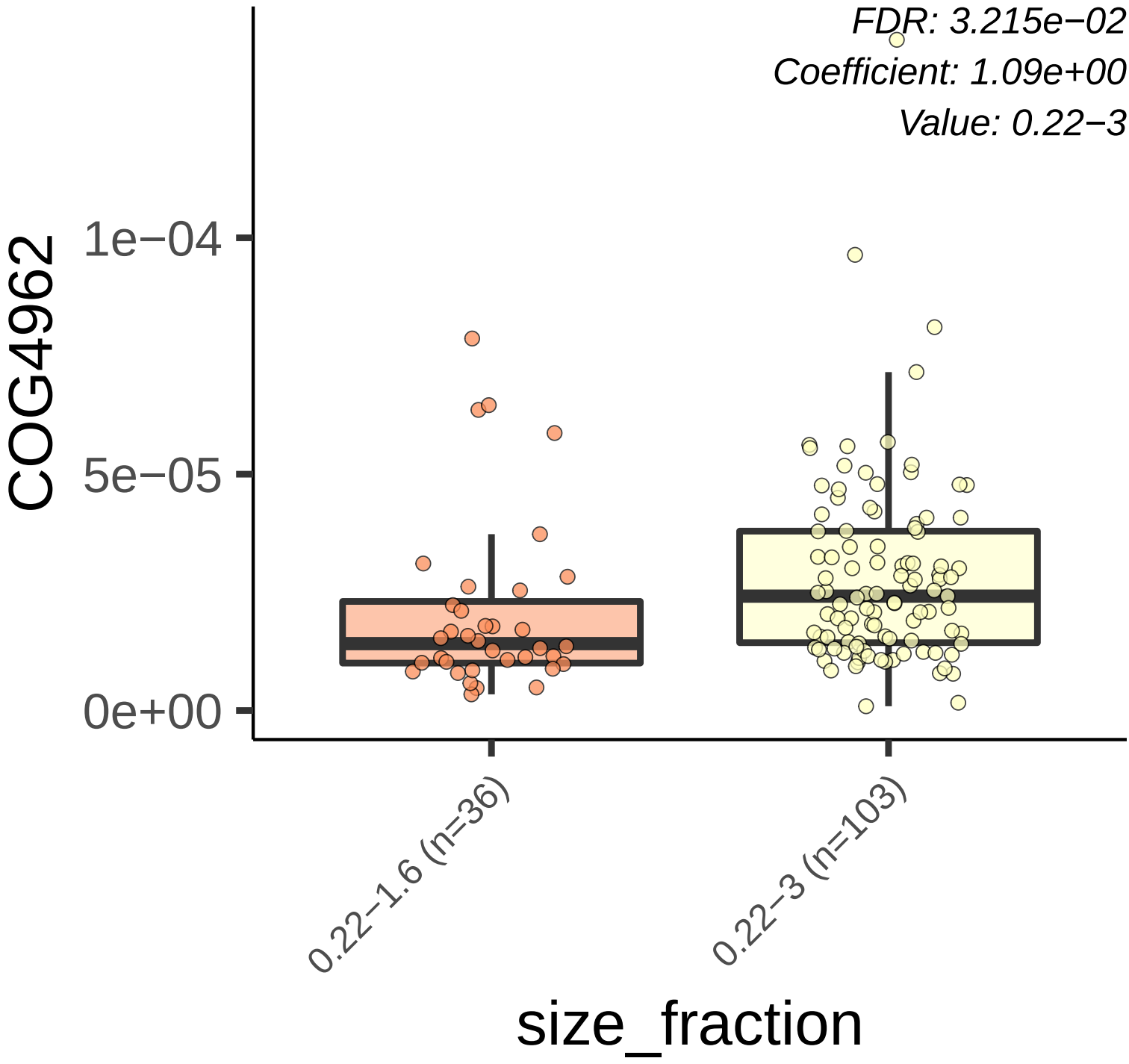

FDR: 3.125e−02
Coefficient: 8.22e−01
Value: 0.22−3
COG2207
0.0015
0.0010
0.0005
0.0000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

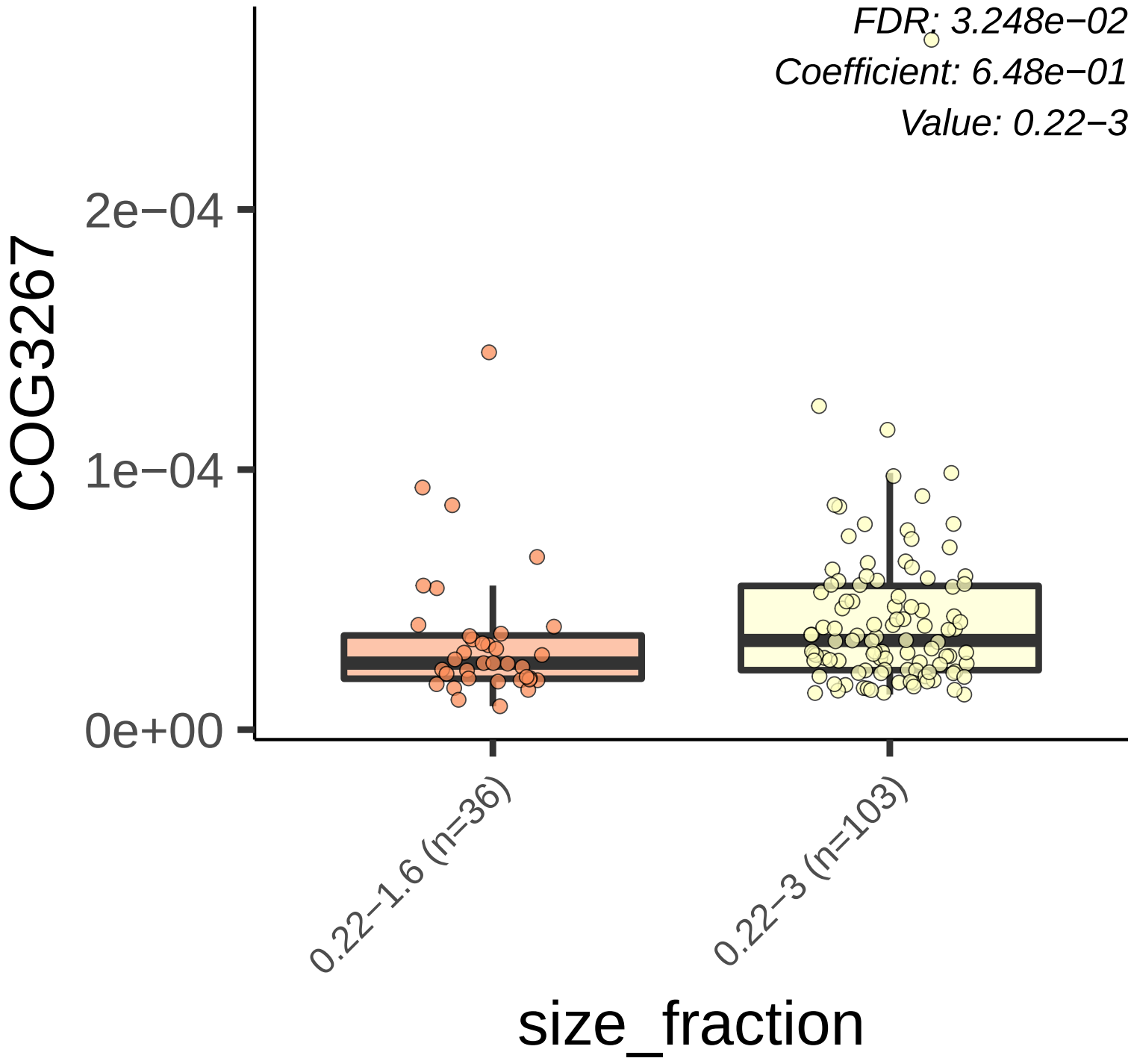

FDR: 3.151e−02
Coefficient: 2.69e−01
Value: 0.22−3
COG0737
3e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

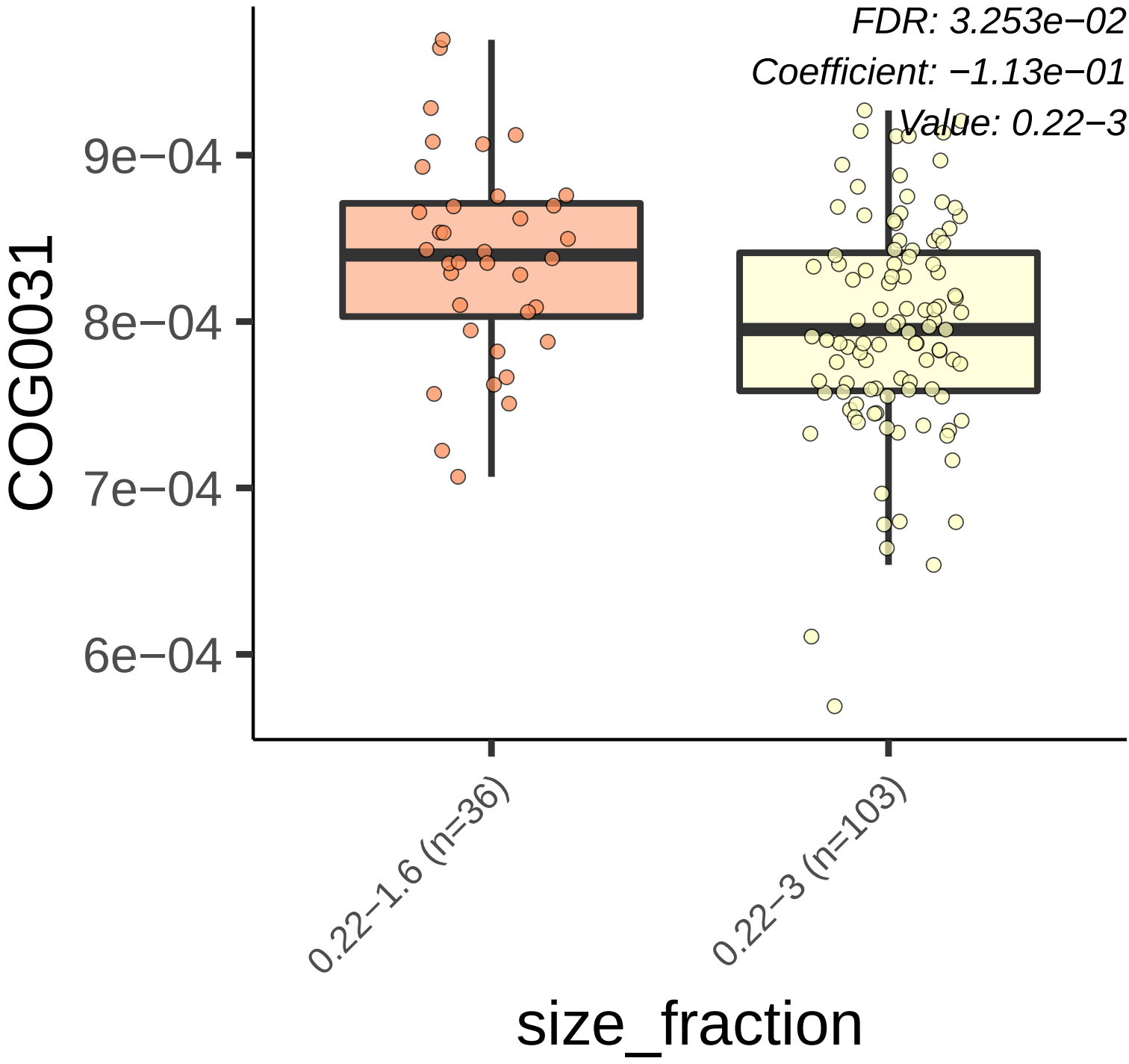

FDR: 3.174e−02
Coefficient: 8.67e−01
Value: 0.22−3
COG3587
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

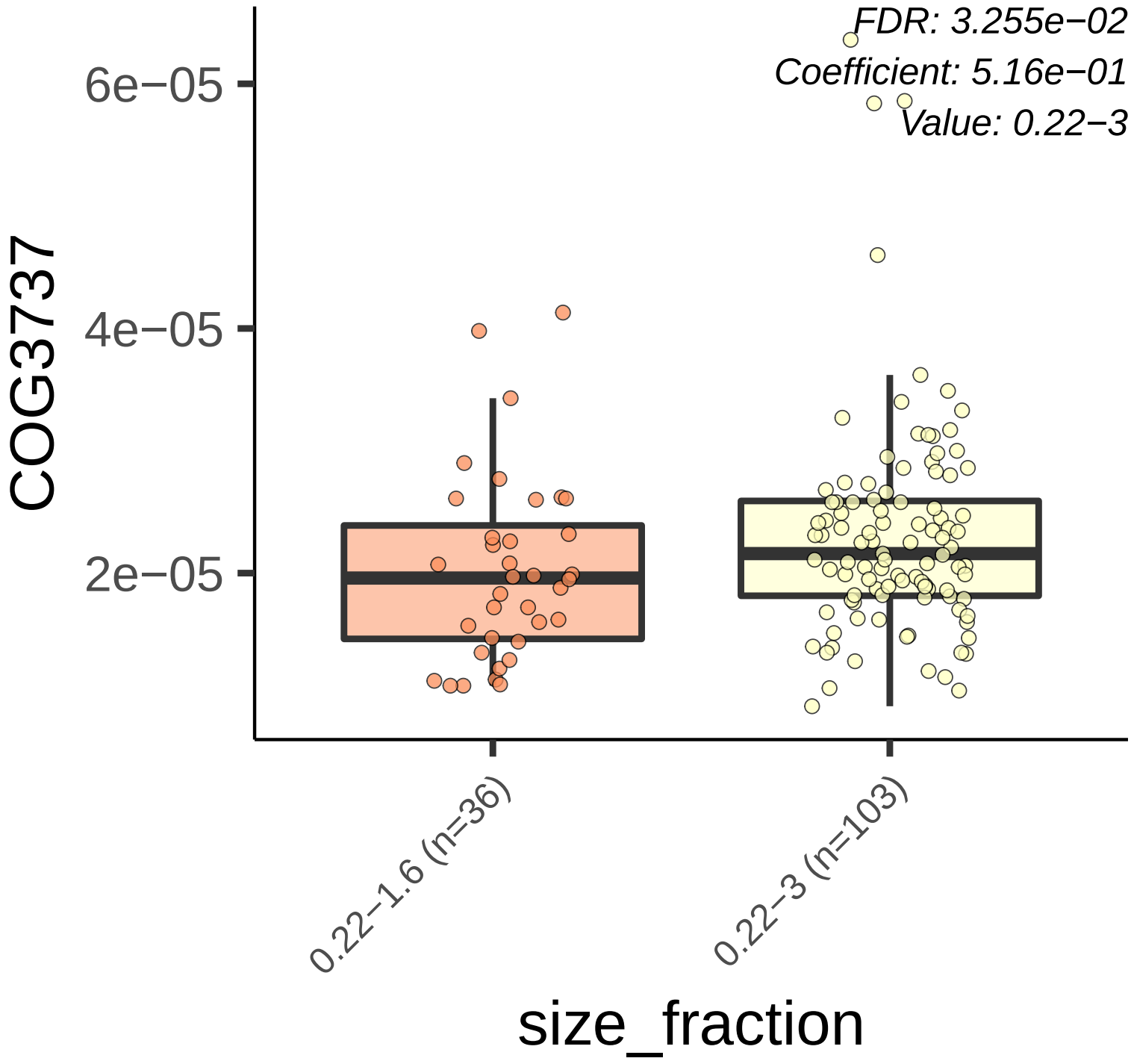

FDR: 3.206e−02
Coefficient: 1.50e+00
Value: 0.22−3
COG1718
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

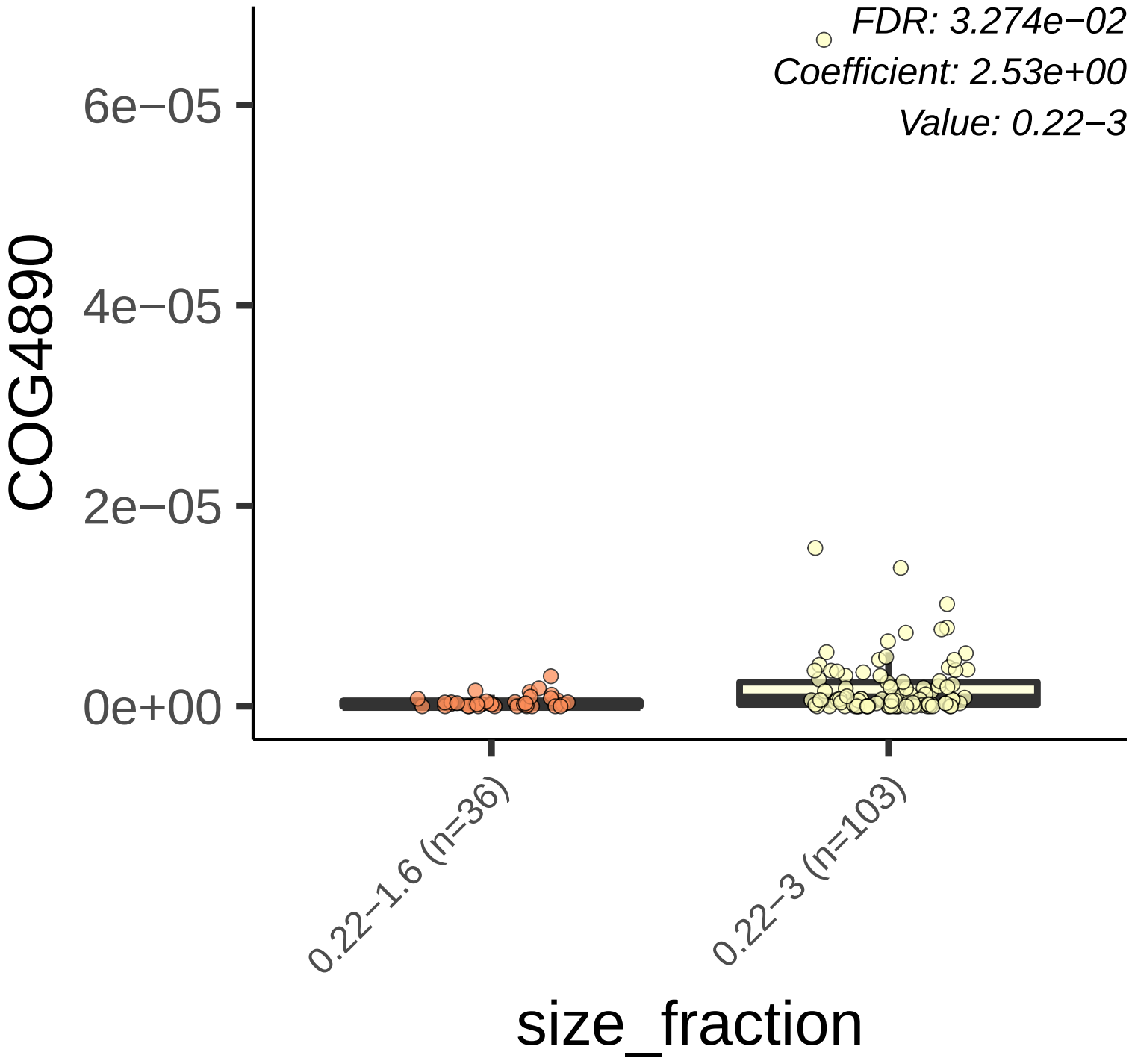

FDR: 3.206e−02
Coefficient: 6.80e−01
Value: 0.22−3
COG5653
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

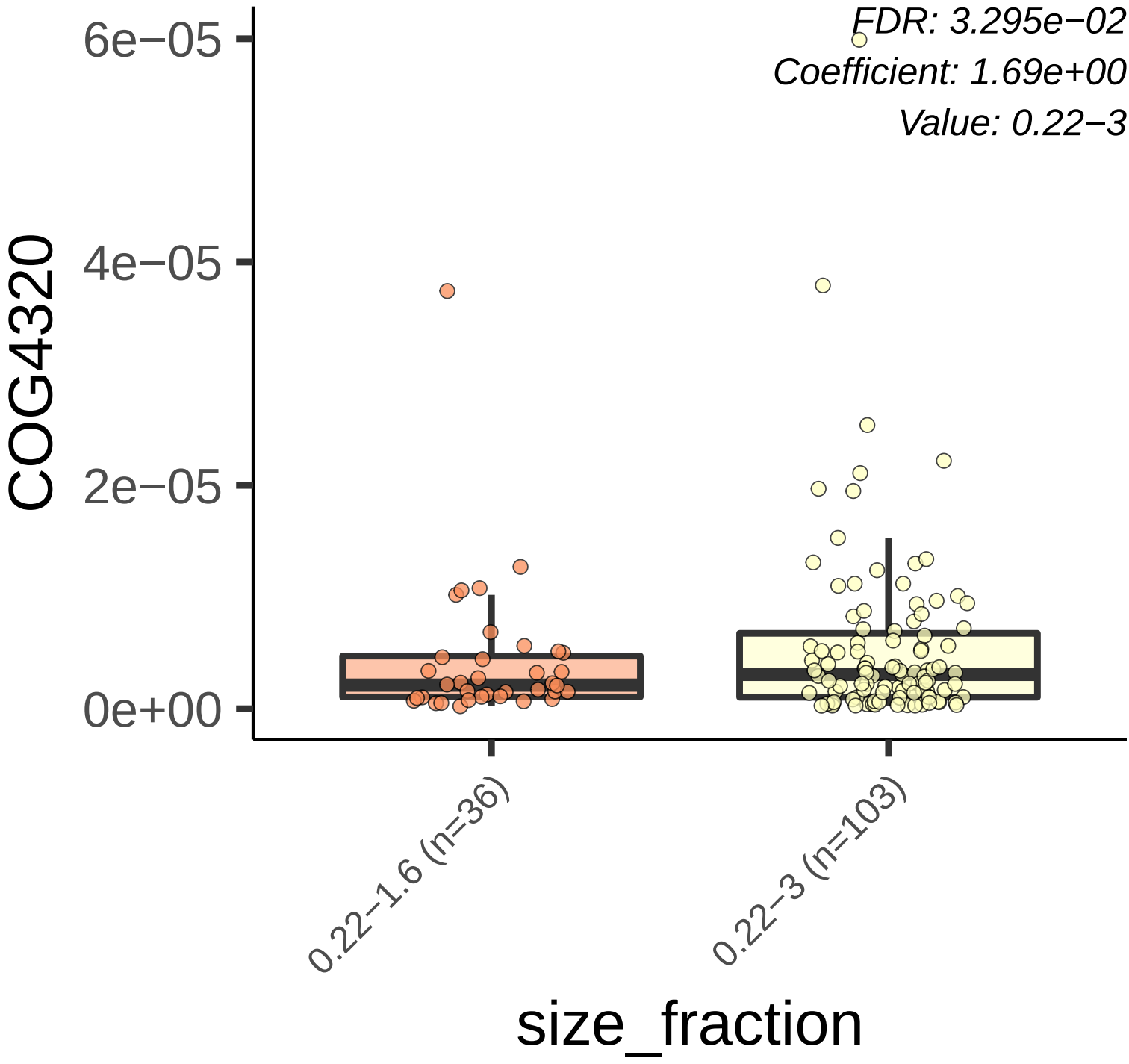

FDR: 3.215e−02
Coefficient: 1.09e+00
Value: 0.22−3
COG4962
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

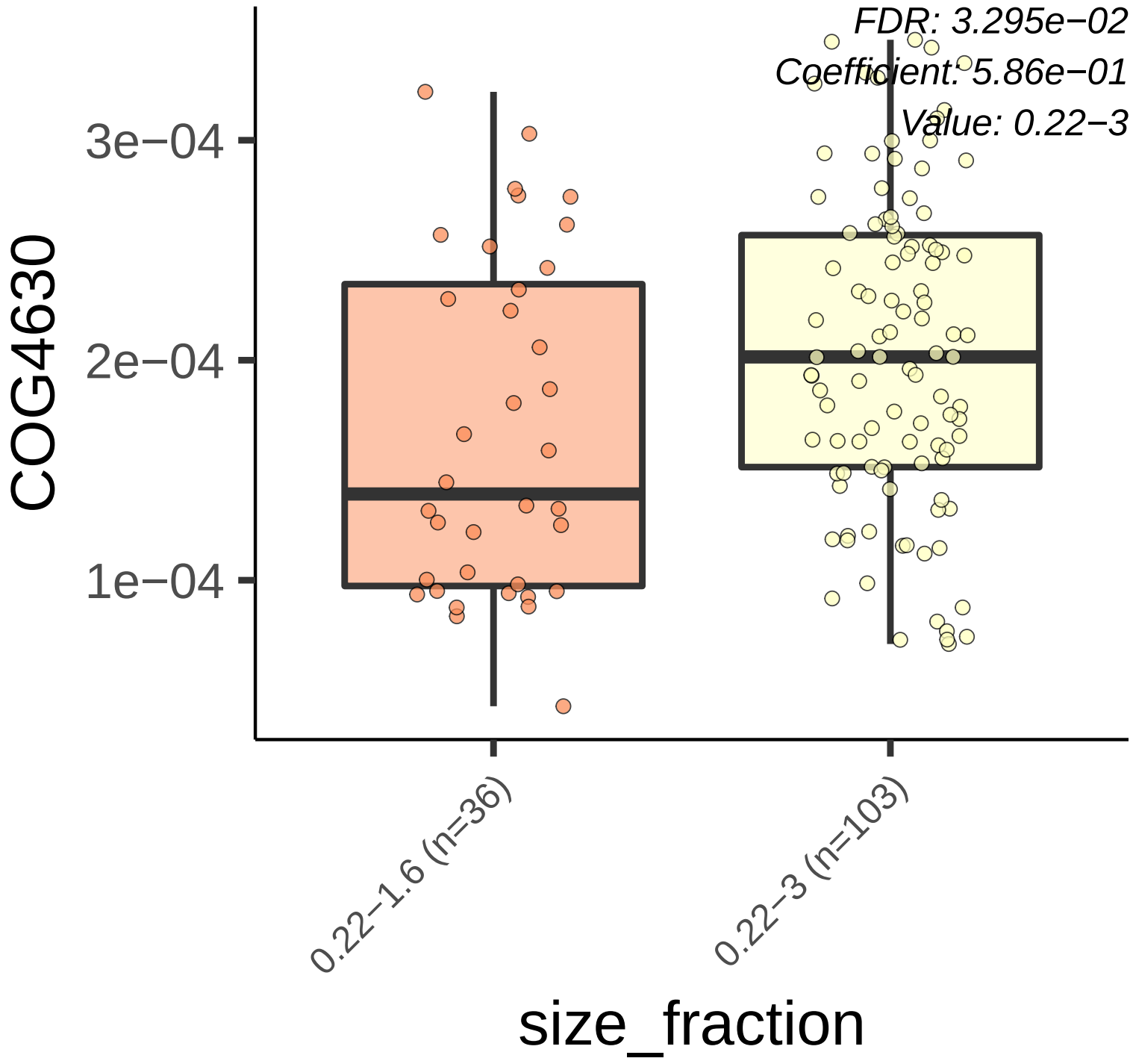

FDR: 3.248e−02
Coefficient: 6.48e−01
Value: 0.22−3
COG3267
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

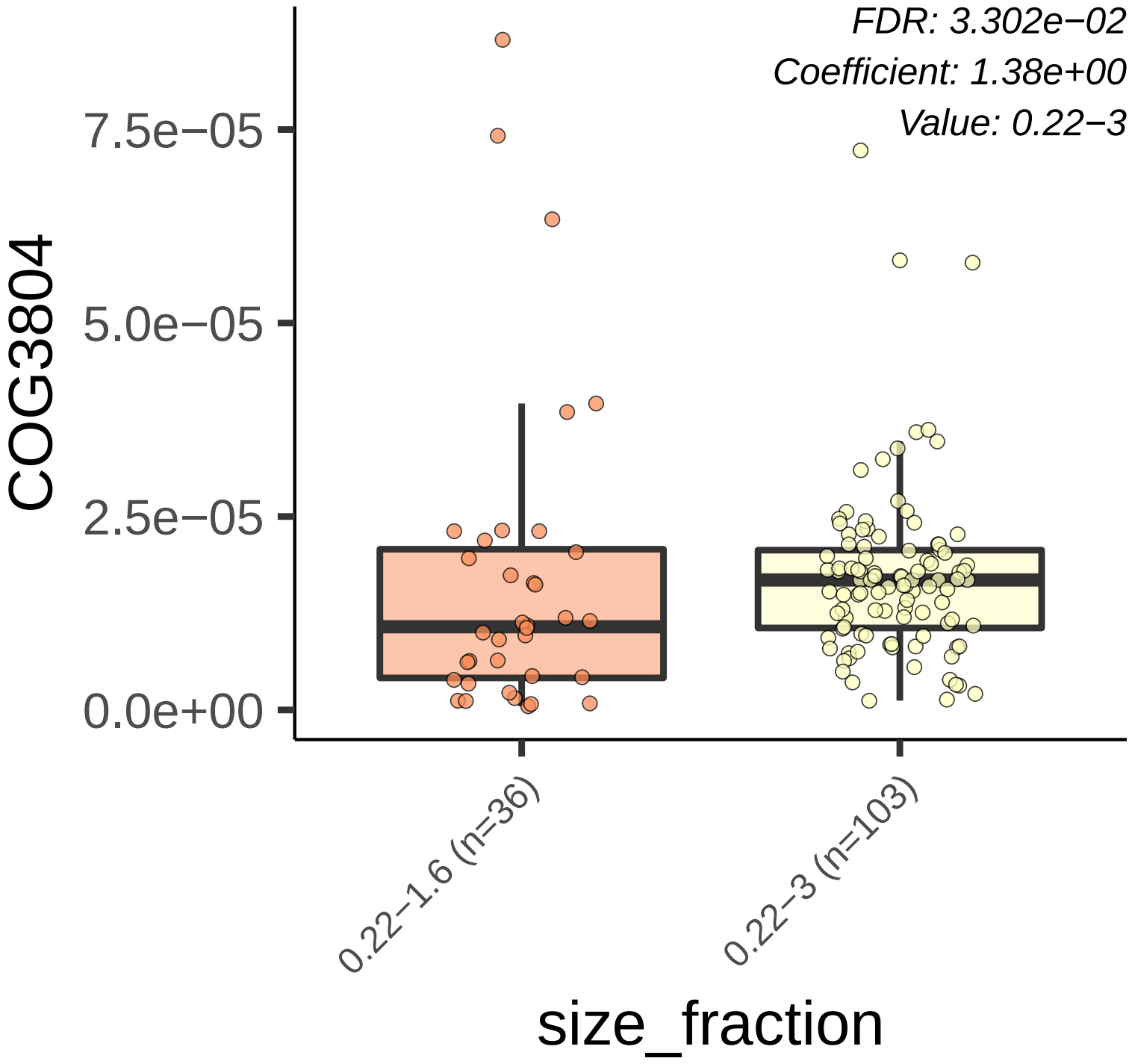

FDR: 3.253e−02
Coefficient: −1.13e−01
Value: 0.22−3
COG0031
9e−04
8e−04
7e−04
6e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

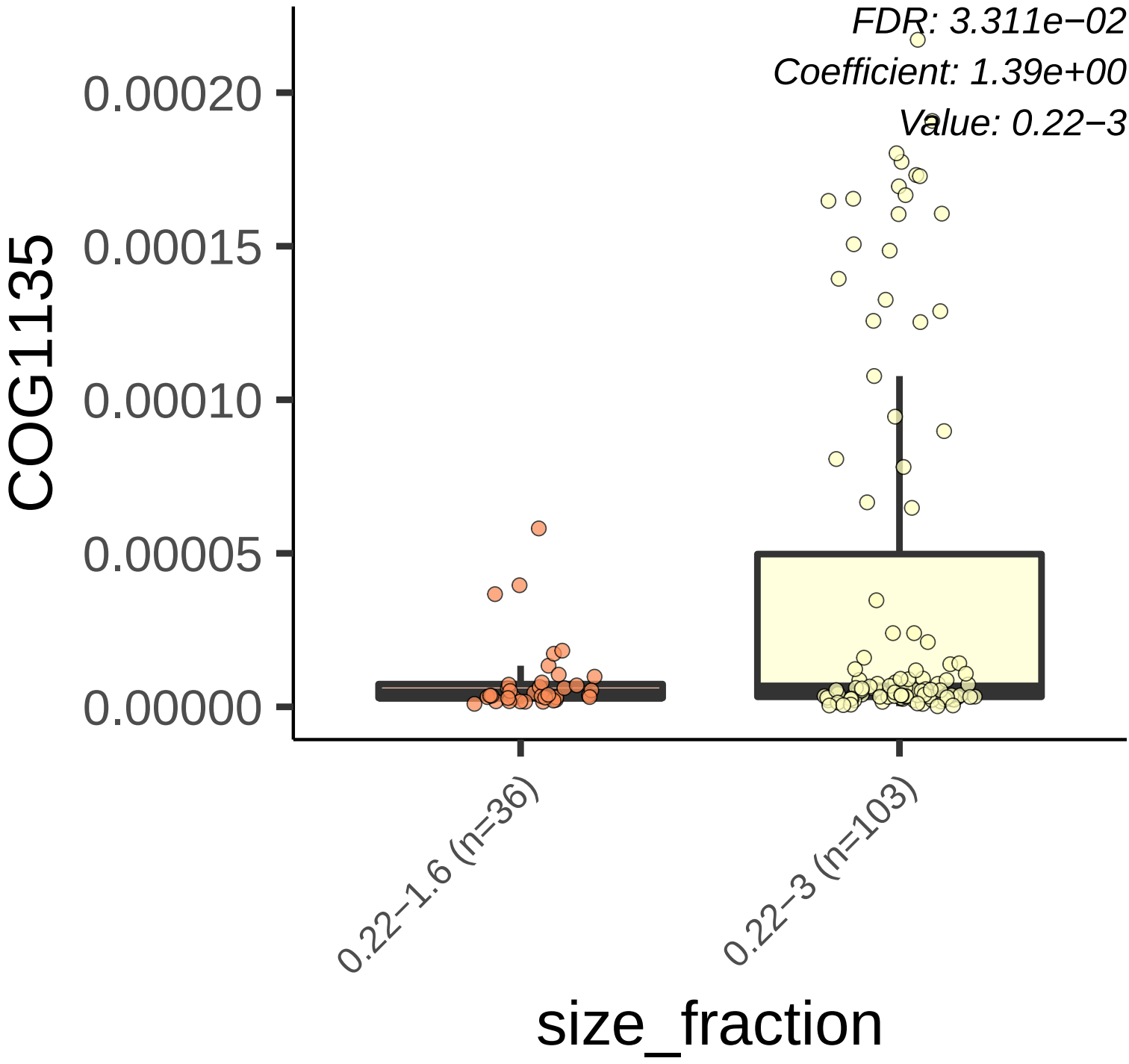

FDR: 3.255e−02
Coefficient: 5.16e−01
Value: 0.22−3
COG3737
6e−05
4e−05
2e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

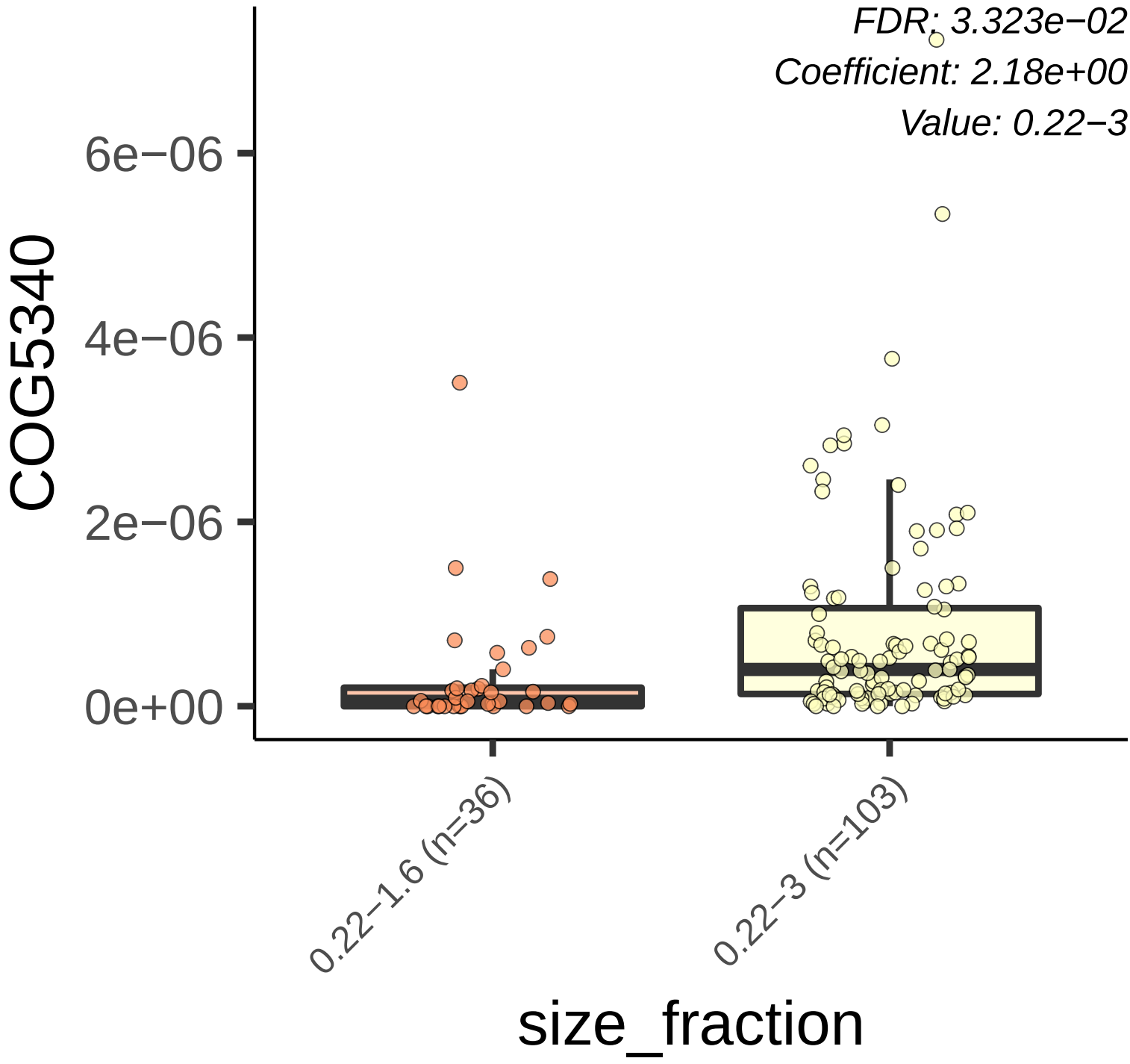

FDR: 3.274e−02
Coefficient: 2.53e+00
Value: 0.22−3
COG4890
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

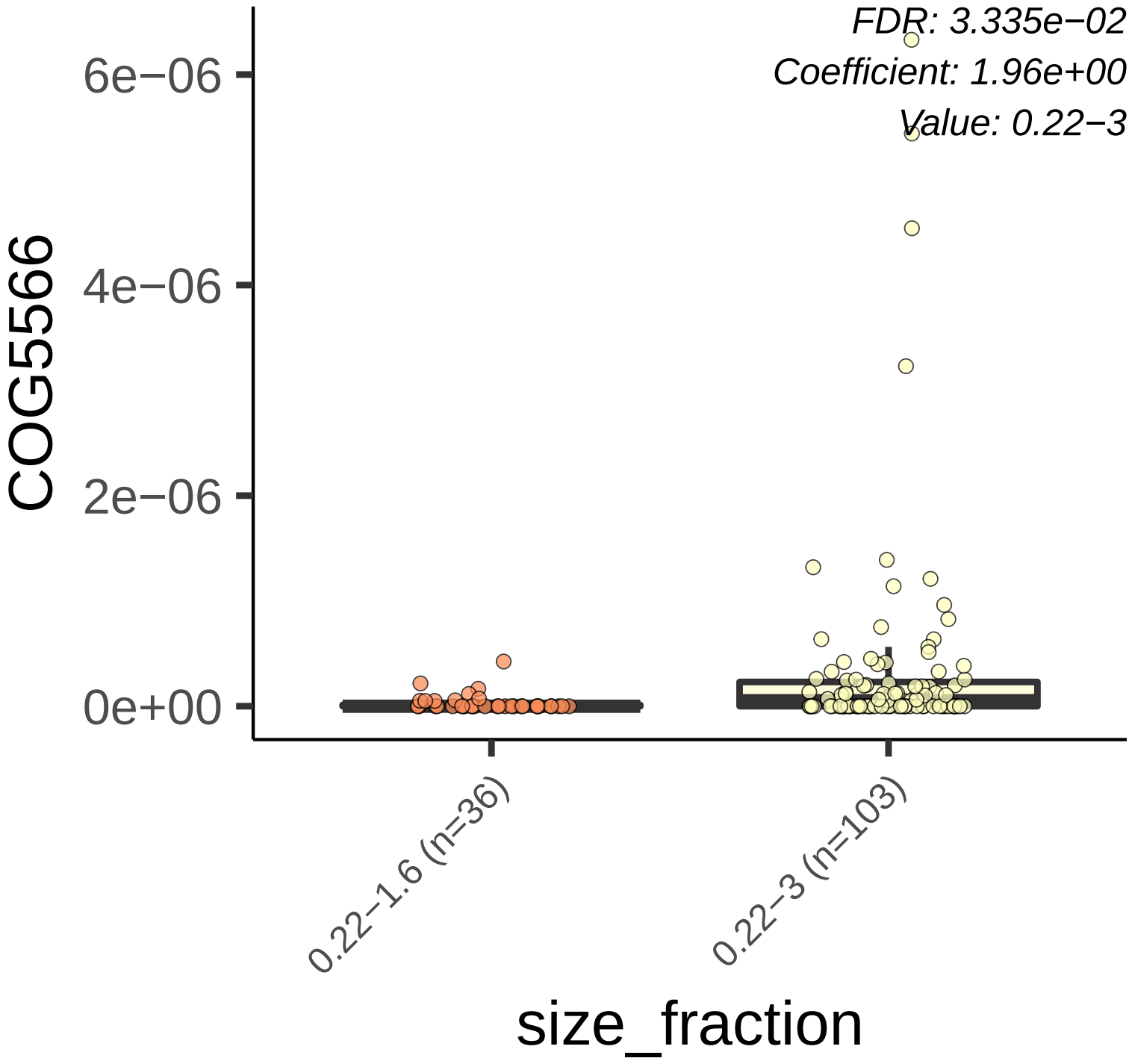

FDR: 3.295e−02
Coefficient: 1.69e+00
Value: 0.22−3
COG4320
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

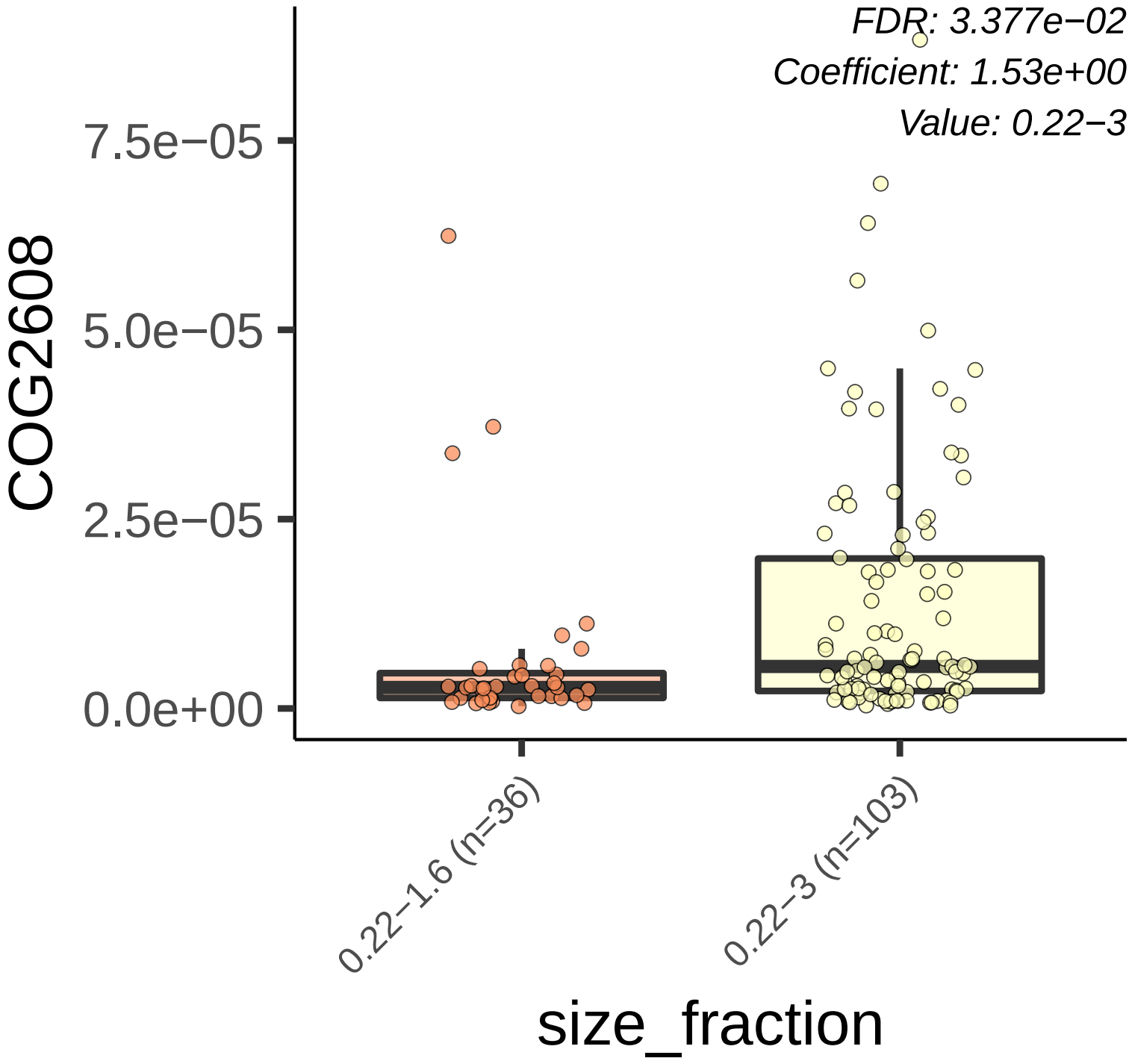

FDR: 3.295e−02
Coefficient: 5.86e−01
Value: 0.22−3
COG4630
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

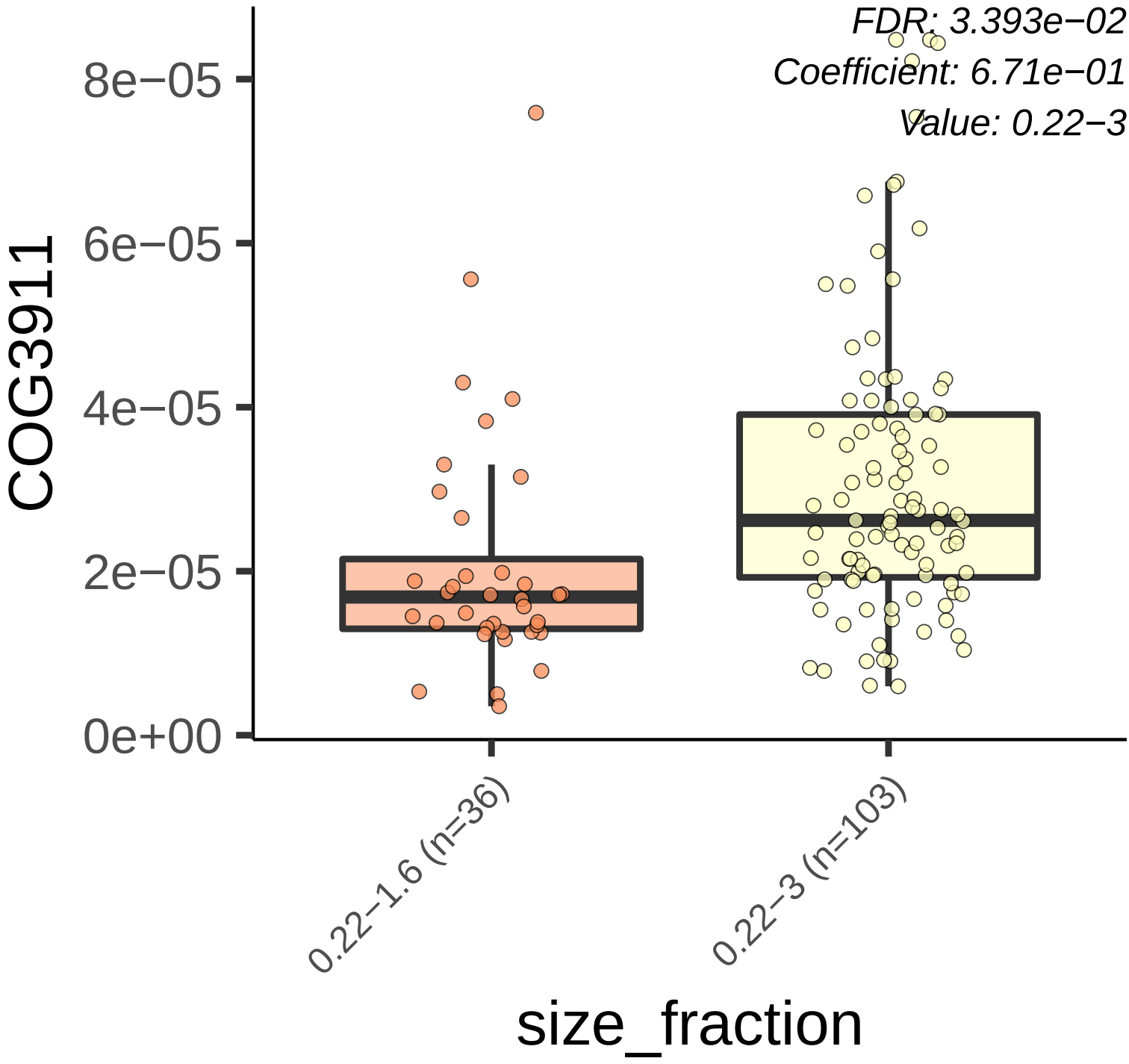

FDR: 3.302e−02
Coefficient: 1.38e+00
Value: 0.22−3
COG3804
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

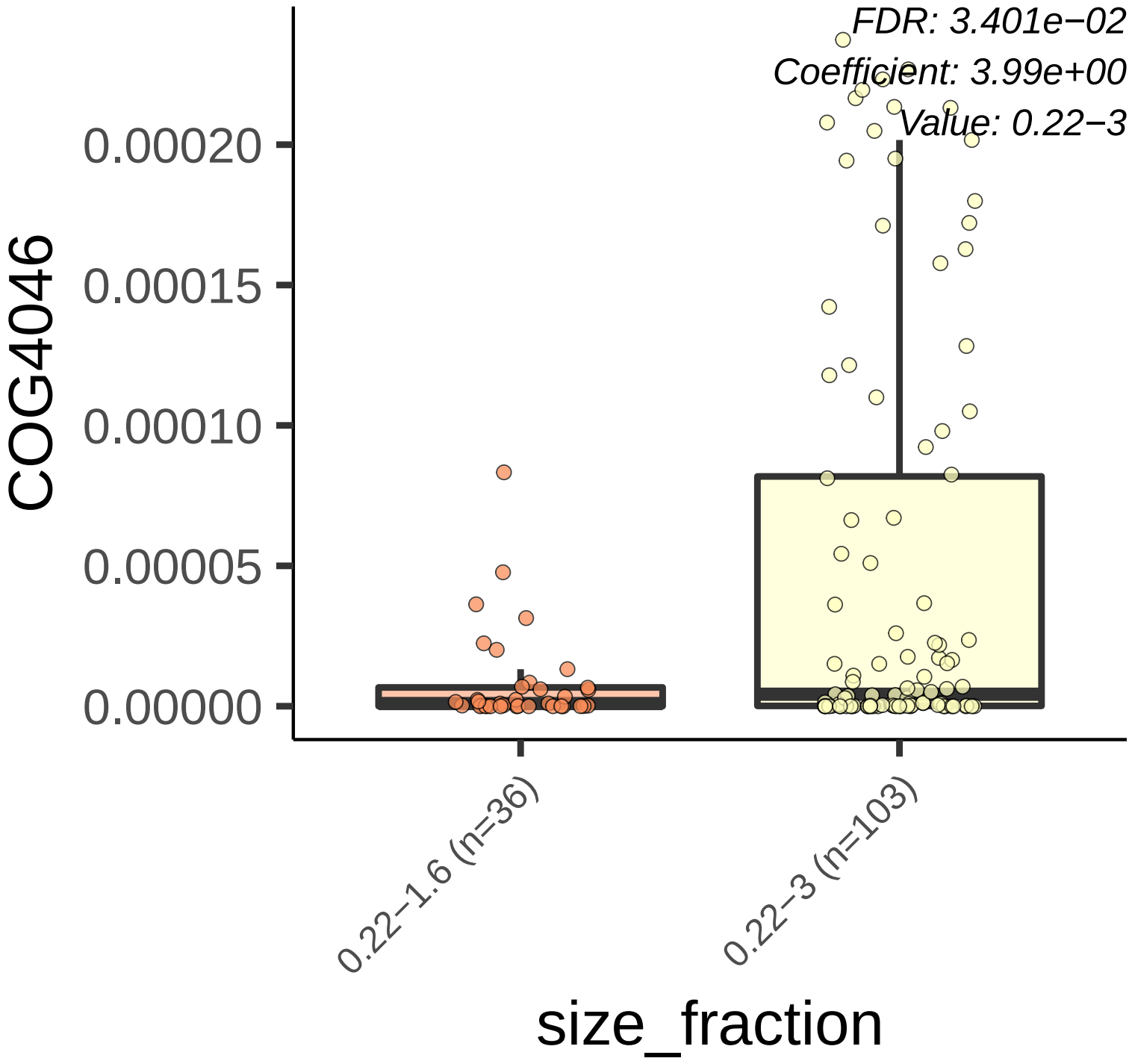

FDR: 3.311e−02
Coefficient: 1.39e+00
Value: 0.22−3
COG1135
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.323e−02
Coefficient: 2.18e+00
Value: 0.22−3
COG5340
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.335e−02
Coefficient: 1.96e+00
Value: 0.22−3
COG5566
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.377e−02
Coefficient: 1.53e+00
Value: 0.22−3
COG2608
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.393e−02
Coefficient: 6.71e−01
Value: 0.22−3
COG3911
8e−05
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 3.401e−02
Coefficient: 3.99e+00
Value: 0.22−3
COG4046
0.00020
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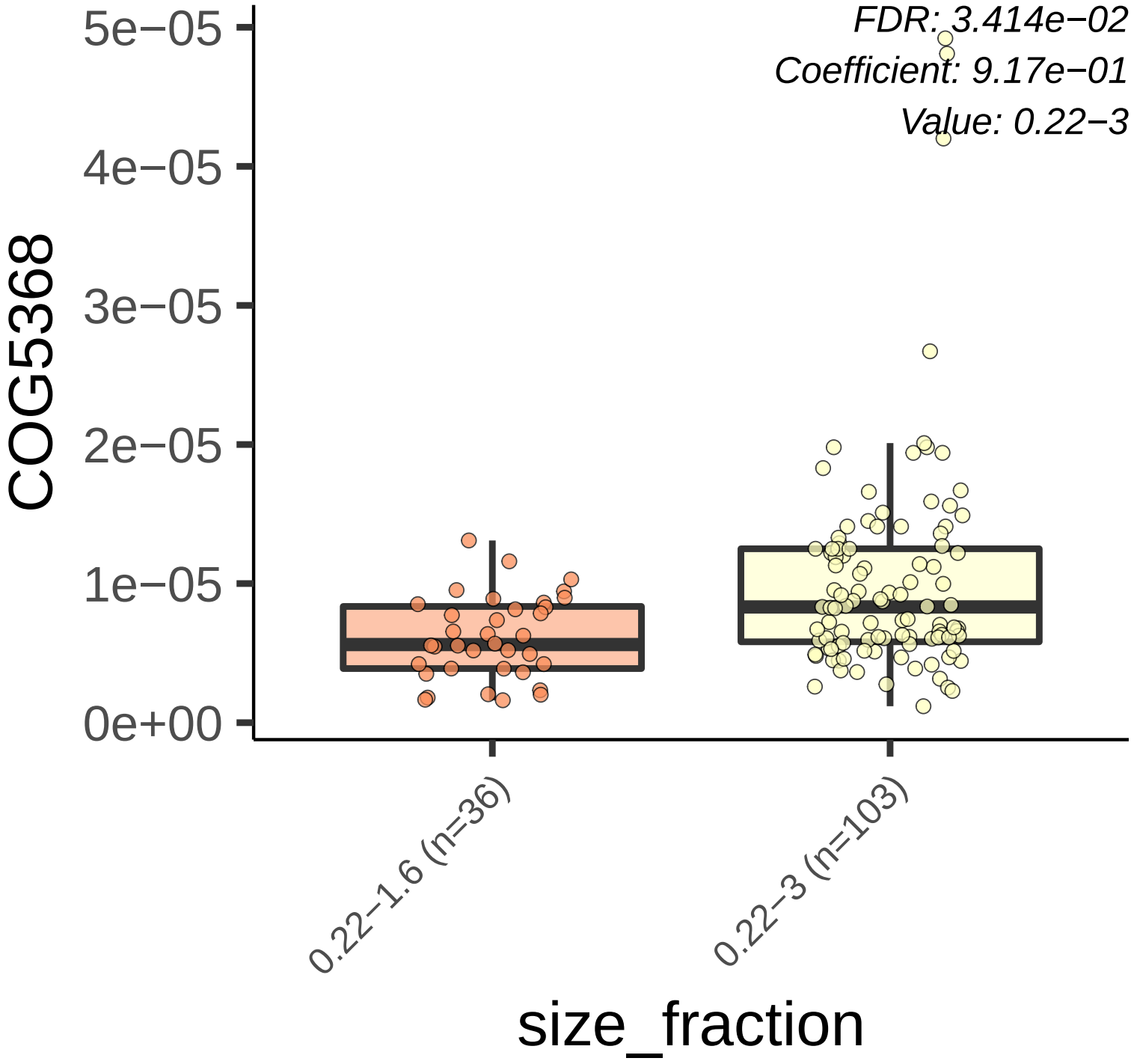
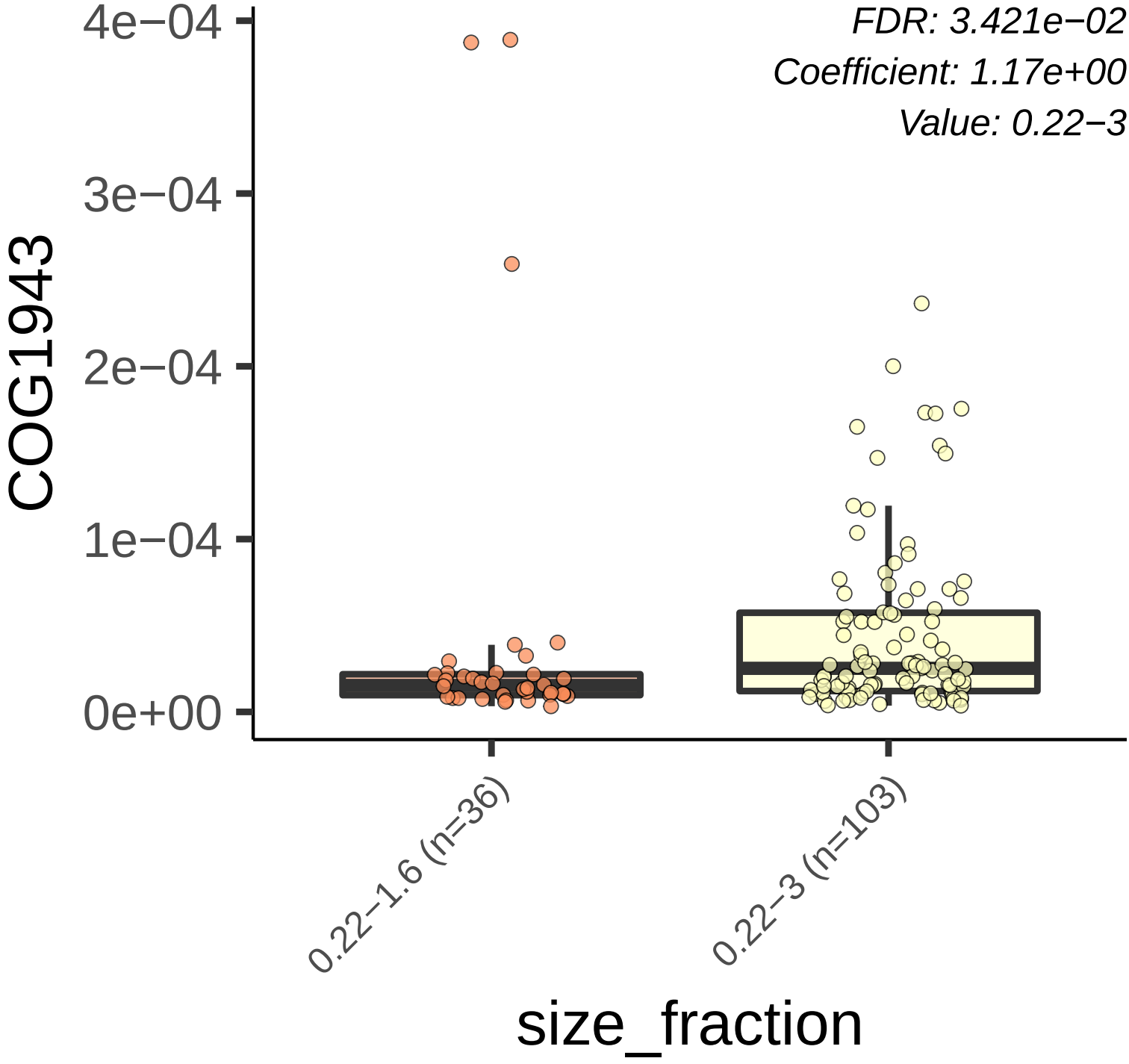
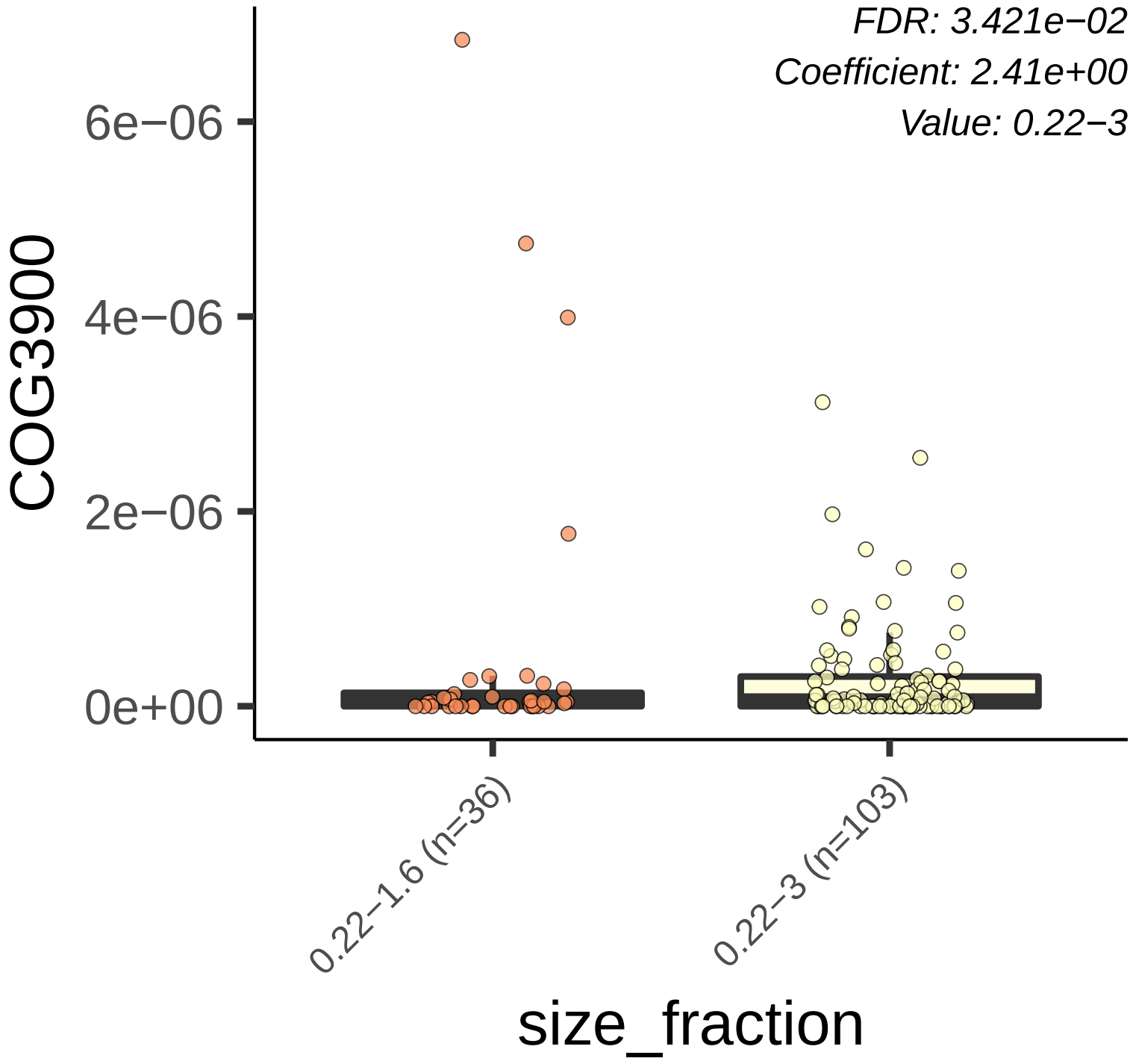
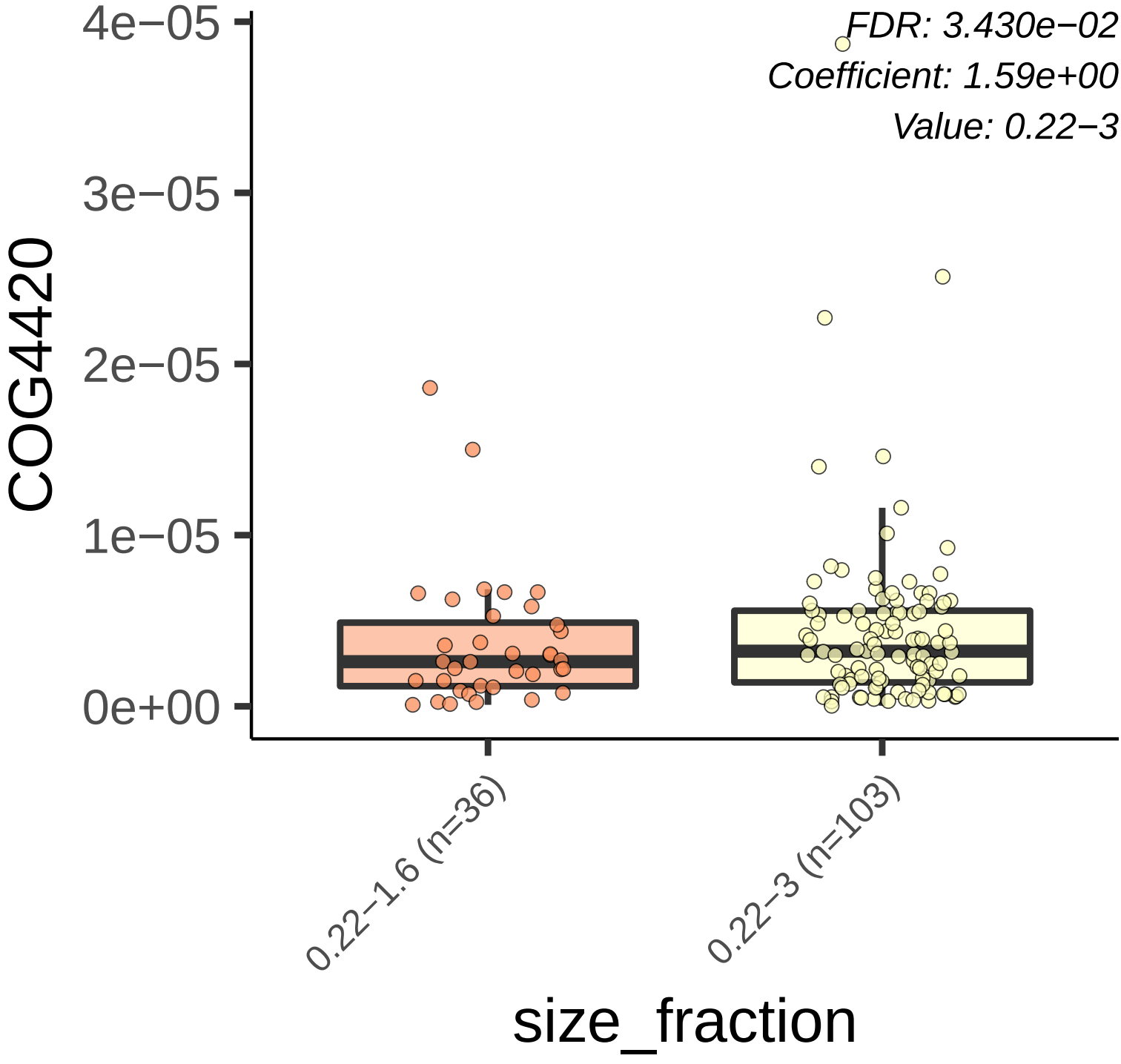
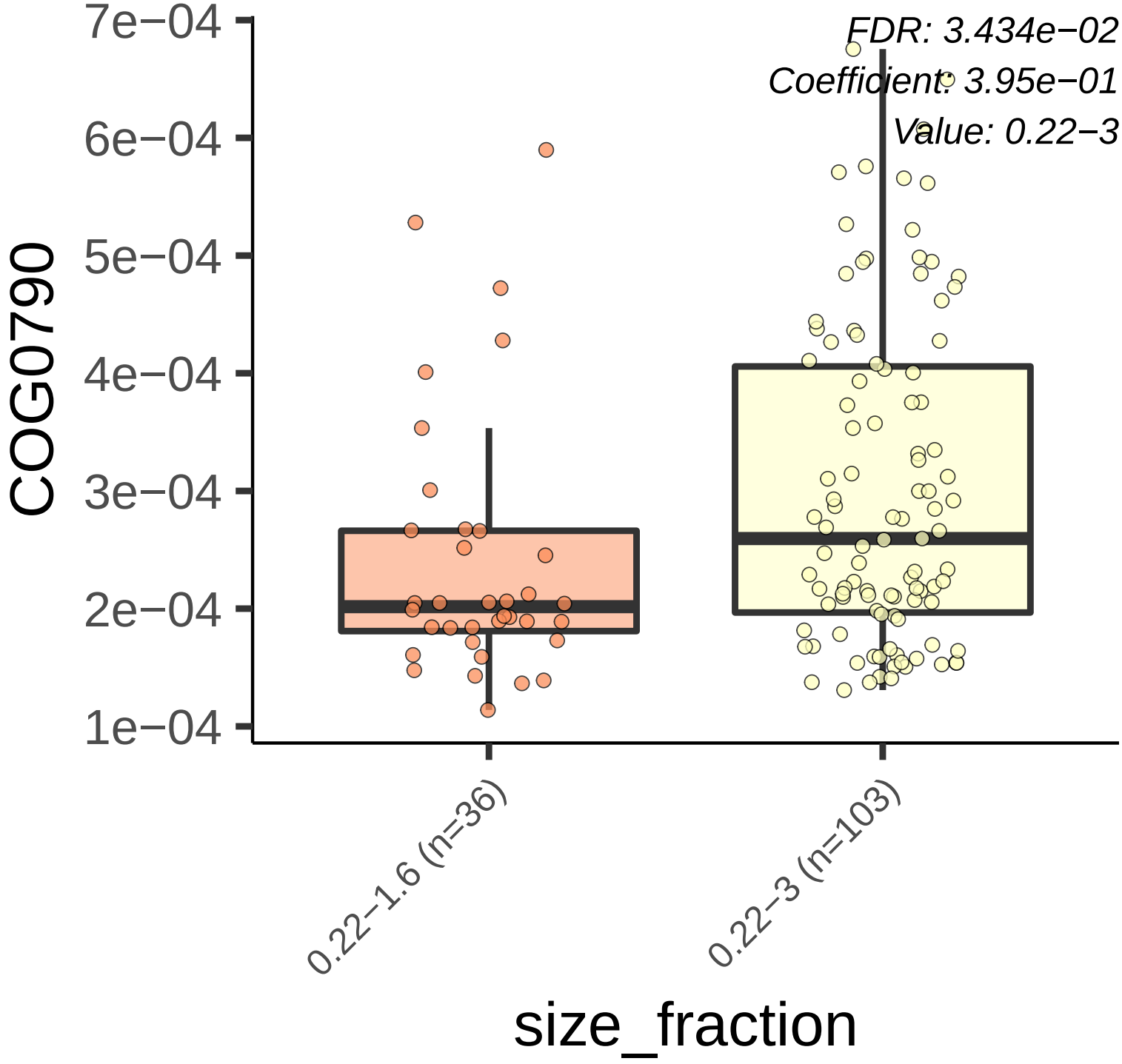
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

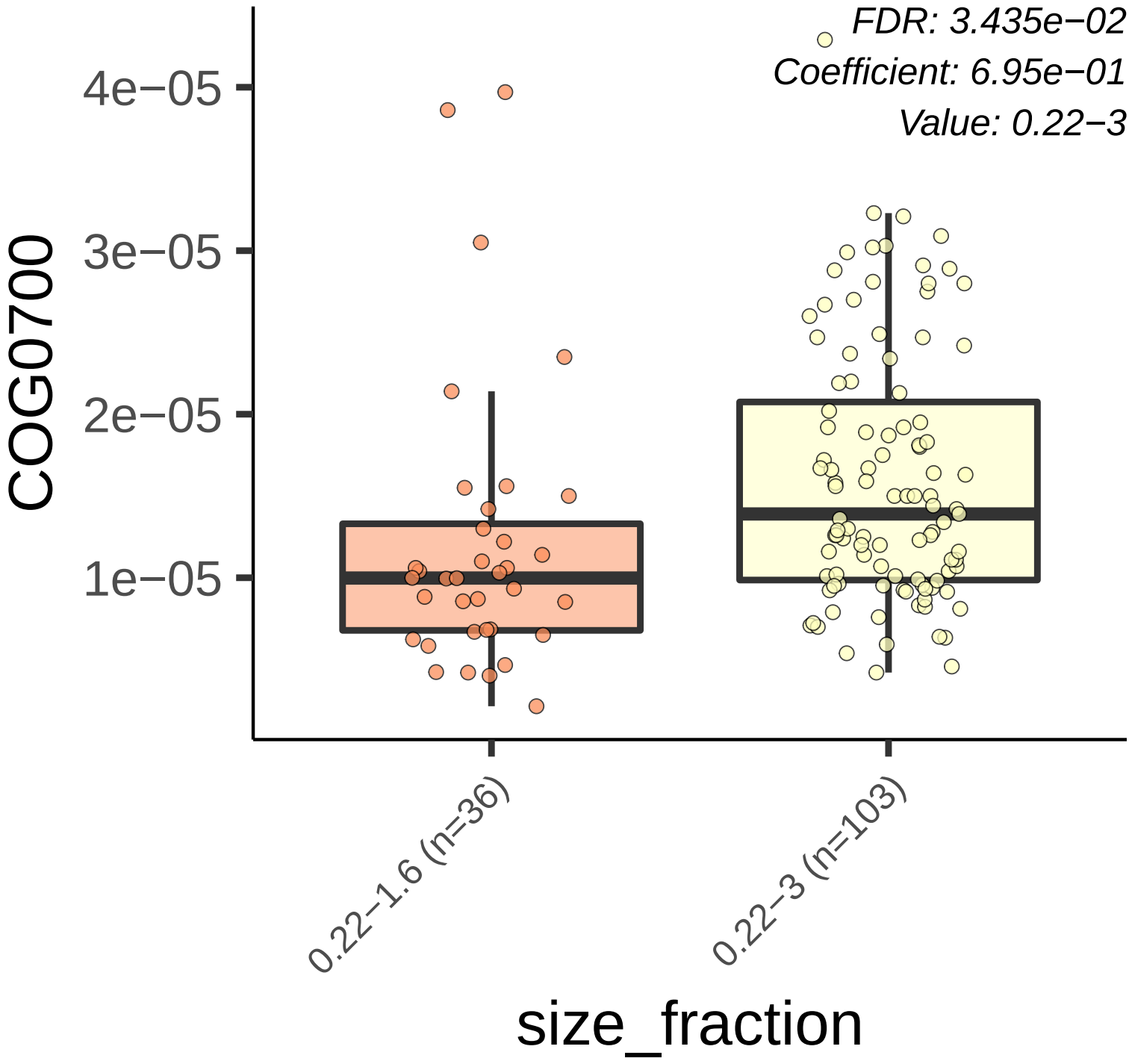

FDR: 3.414e−02
Coefficient: 9.17e−01
Value: 0.22−3
COG5368
5e−05
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

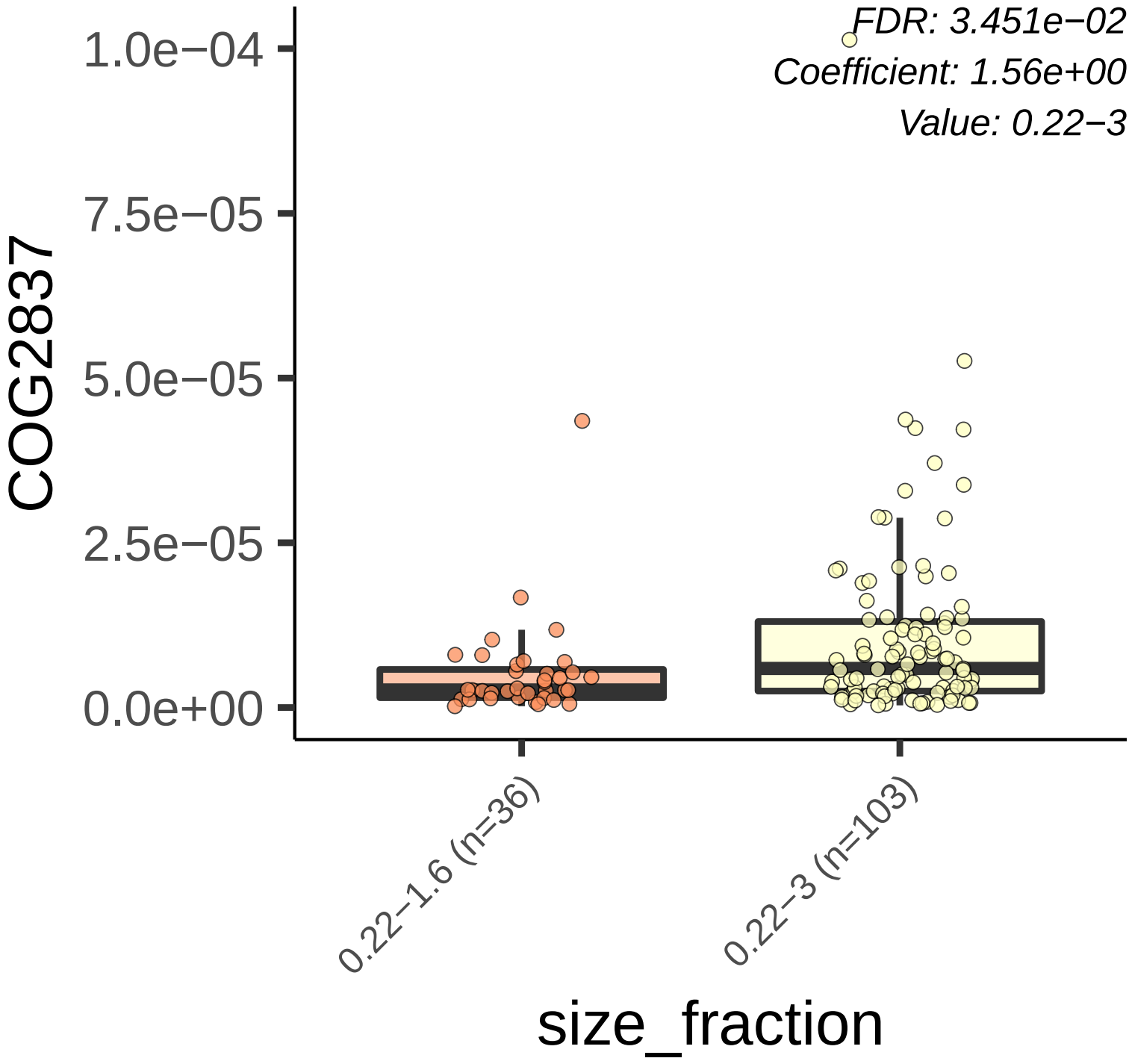

FDR: 3.421e−02
Coefficient: 1.17e+00
Value: 0.22−3
COG1943
4e−04
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

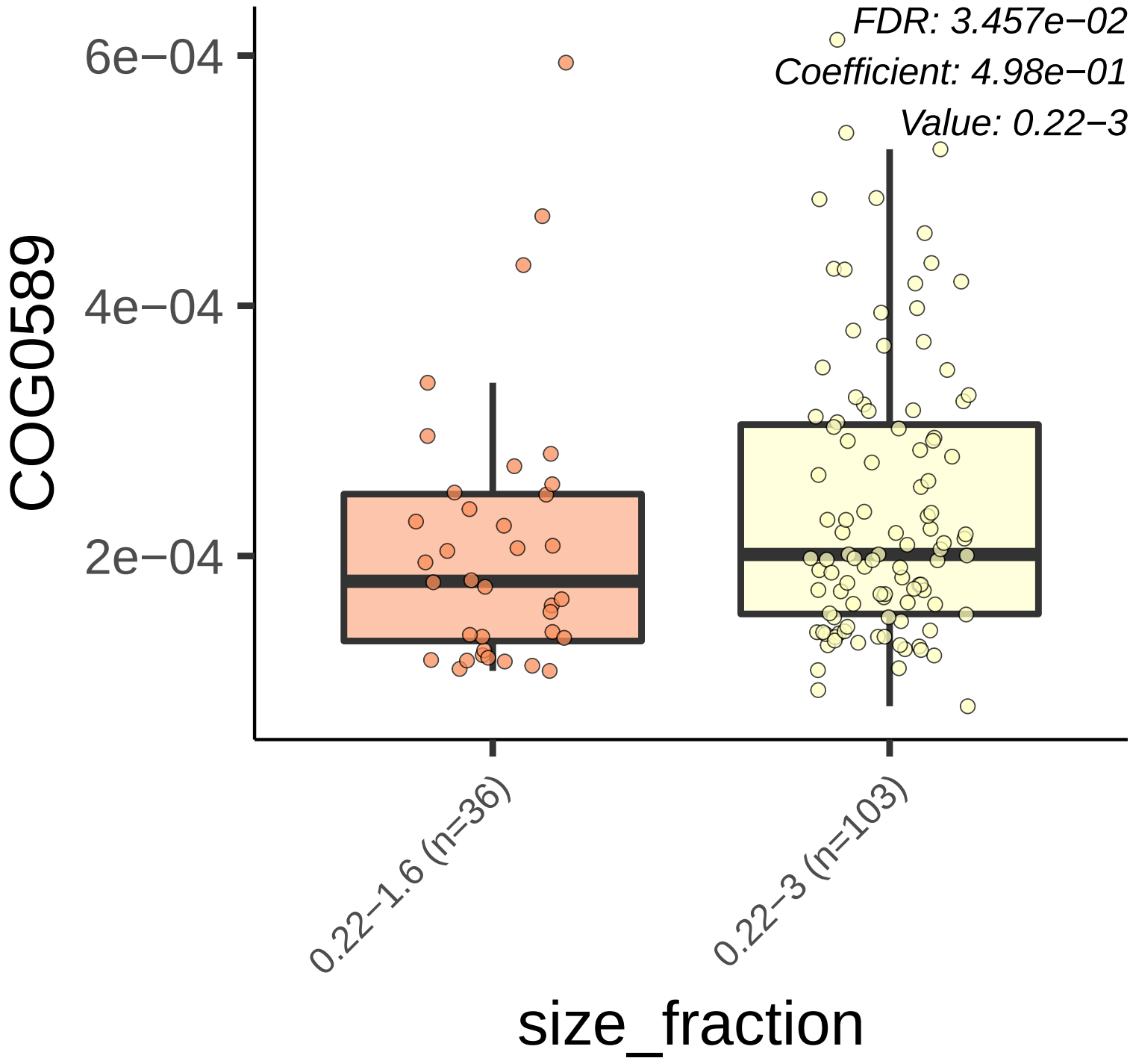

FDR: 3.421e−02
Coefficient: 2.41e+00
Value: 0.22−3
COG3900
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

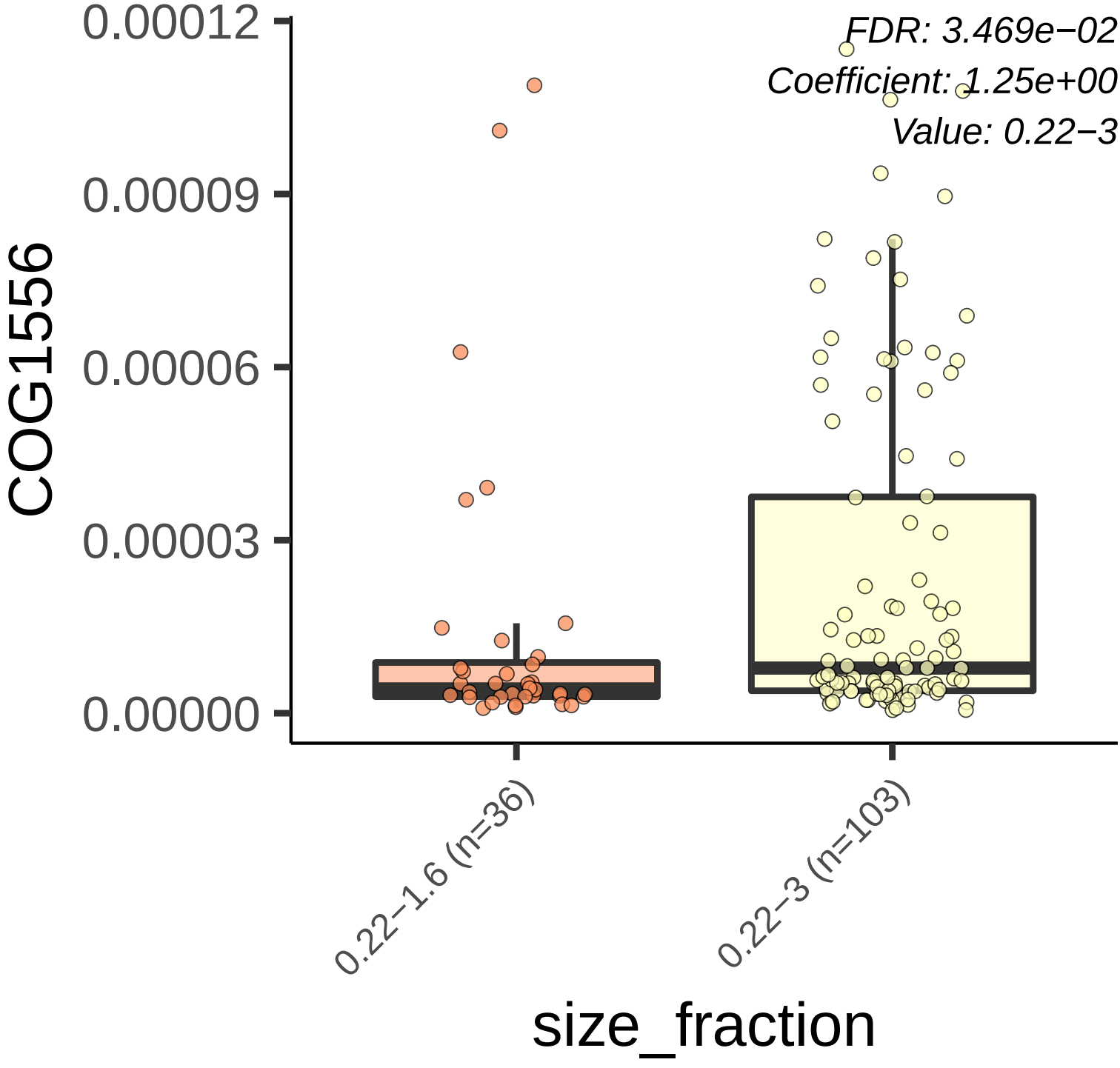

FDR: 3.430e−02
Coefficient: 1.59e+00
Value: 0.22−3
COG4420
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

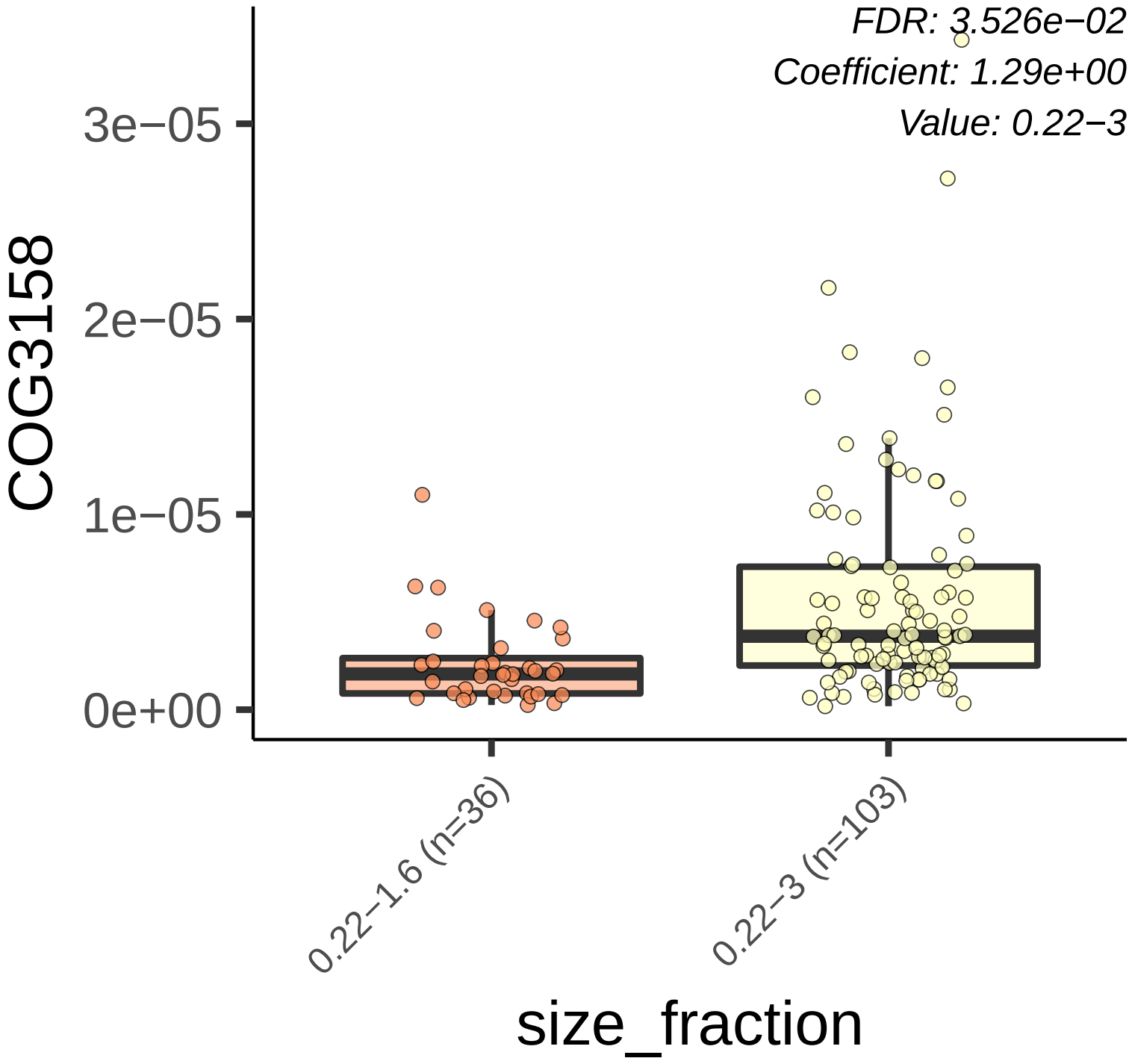

FDR: 3.434e−02
Coefficient: 3.95e−01
Value: 0.22−3
COG0790
7e−04
6e−04
5e−04
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

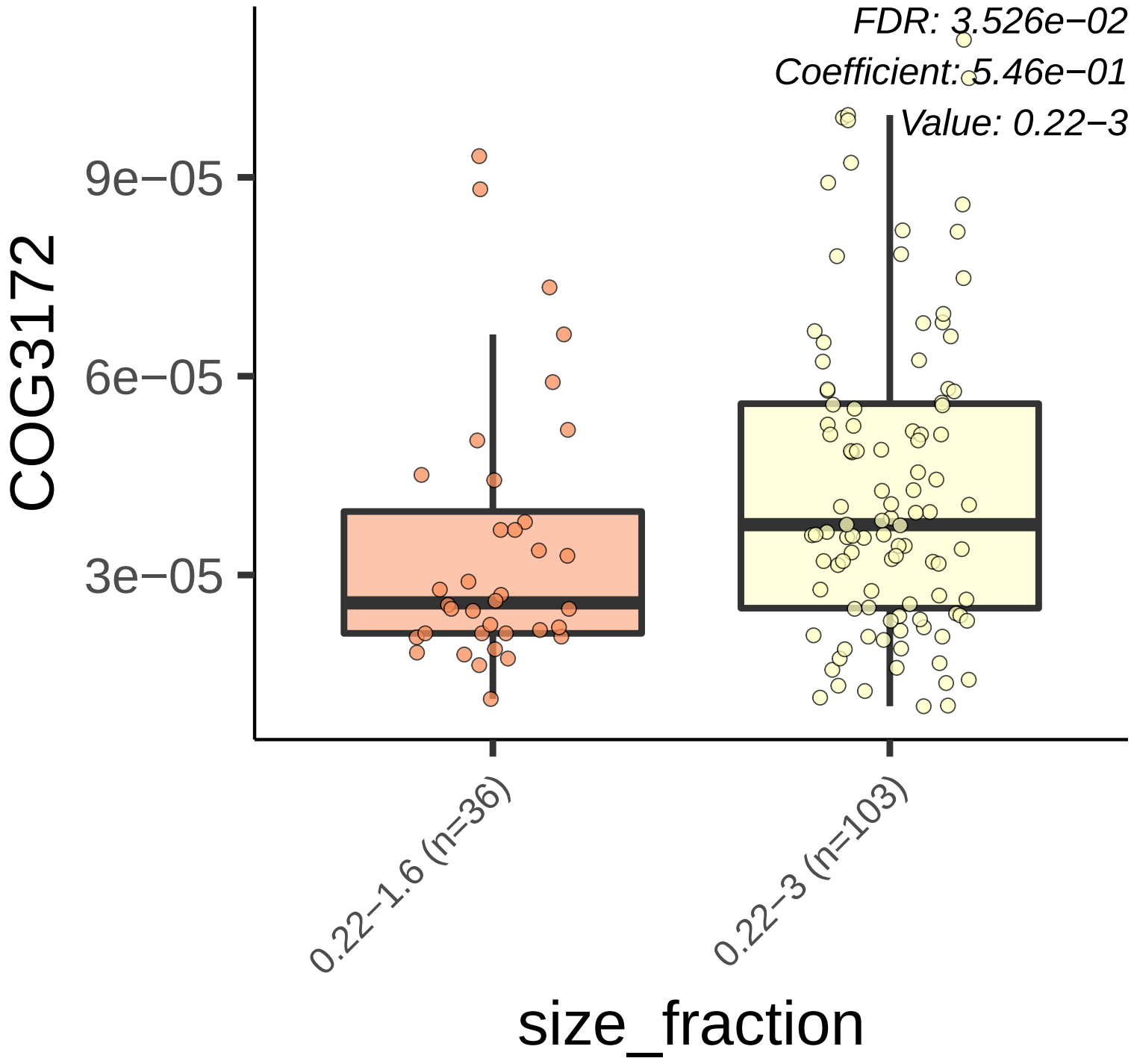

FDR: 3.435e−02
Coefficient: 6.95e−01
Value: 0.22−3
COG0700
4e−05
3e−05
2e−05
1e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

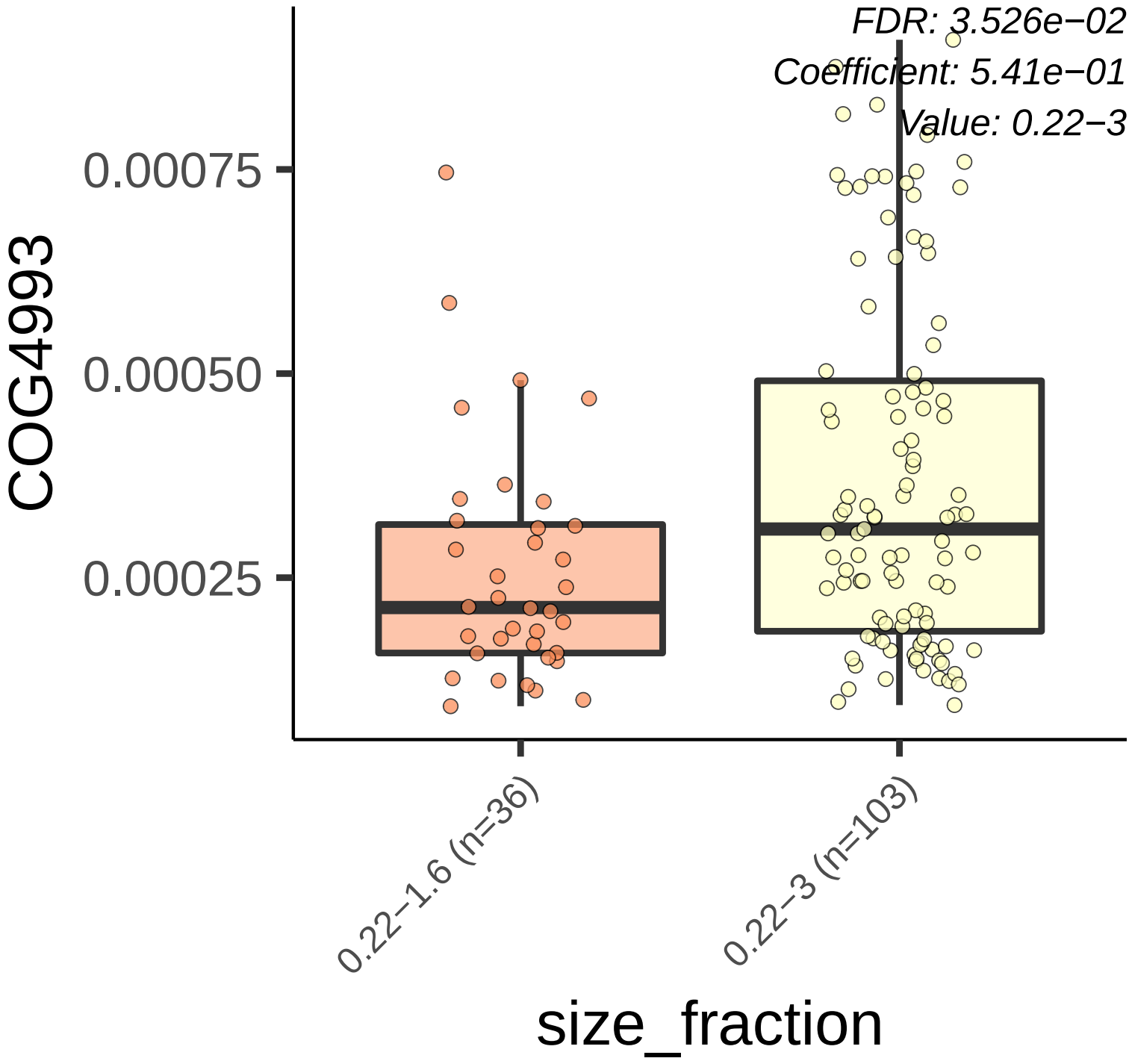

FDR: 3.451e−02
Coefficient: 1.56e+00
Value: 0.22−3
COG2837
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

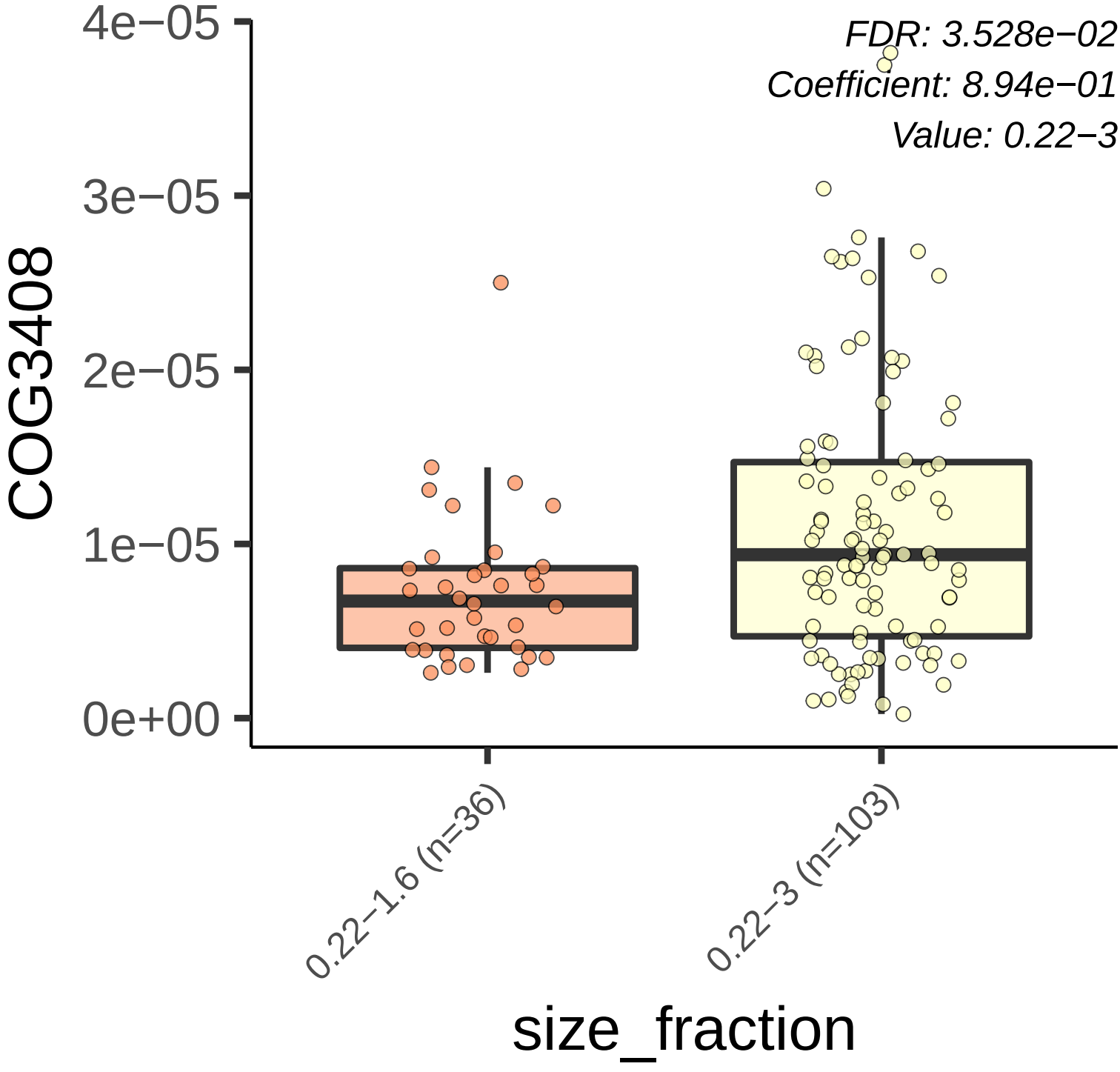

FDR: 3.457e−02
Coefficient: 4.98e−01
Value: 0.22−3
6e−04
4e−04
2e−04
COG0589
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

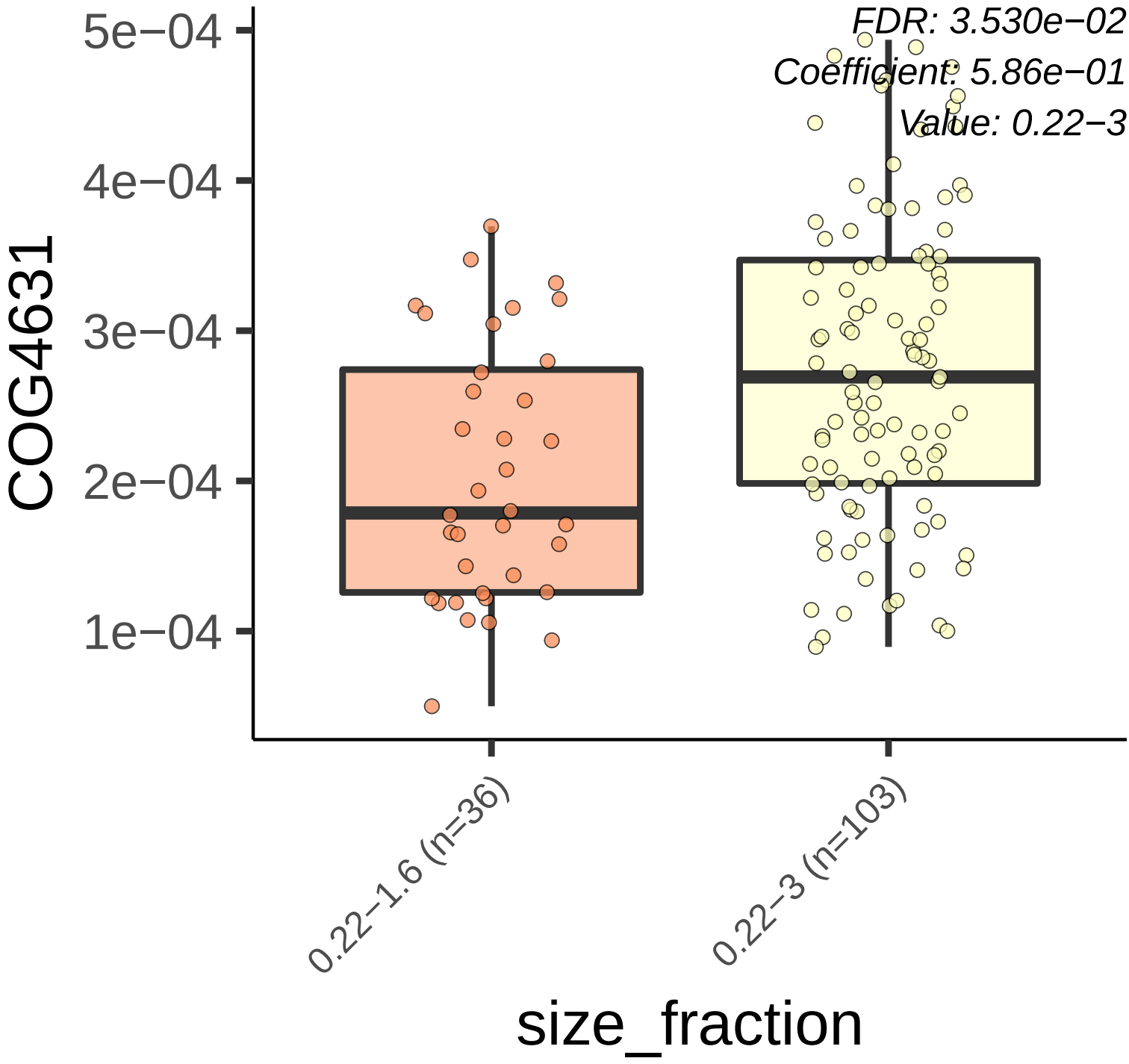

FDR: 3.469e−02
Coefficient: 1.25e+00
Value: 0.22−3
COG1556
0.00012
0.00009
0.00006
0.00003
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

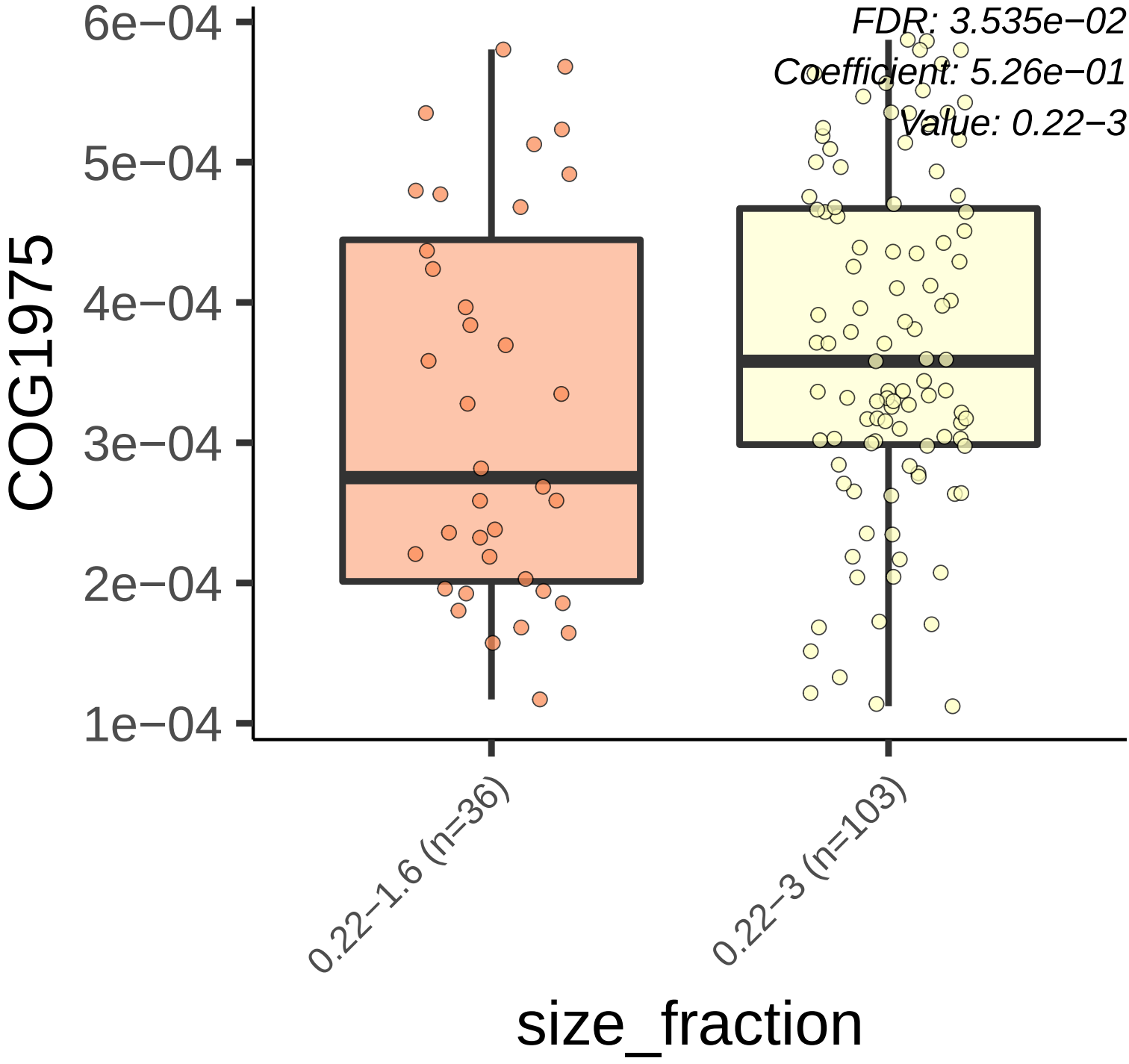

FDR: 3.526e−02
Coefficient: 1.29e+00
Value: 0.22−3
COG3158
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

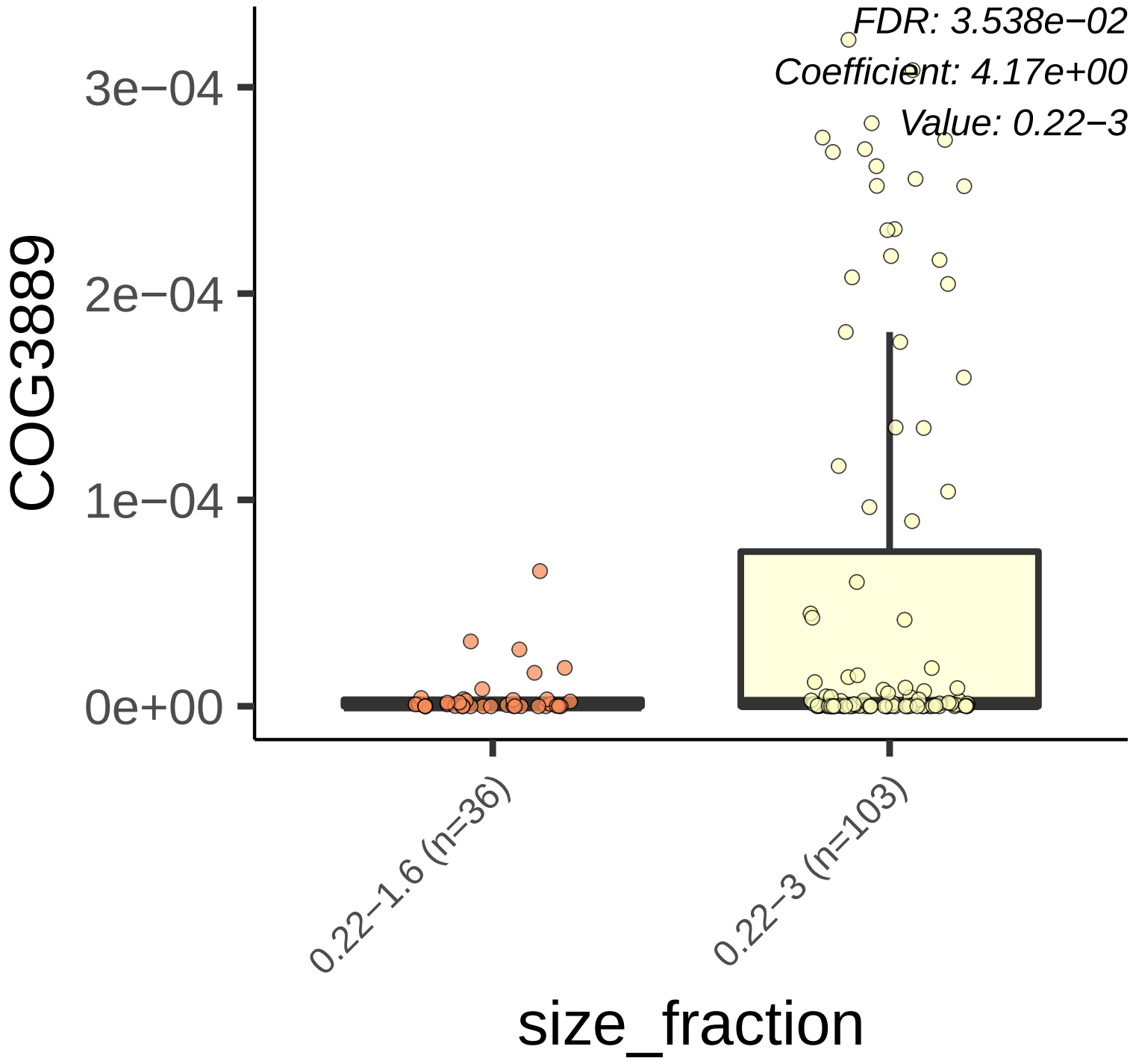

FDR: 3.526e−02
Coefficient: 5.46e−01
Value: 0.22−3
COG3172
9e−05
6e−05
3e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

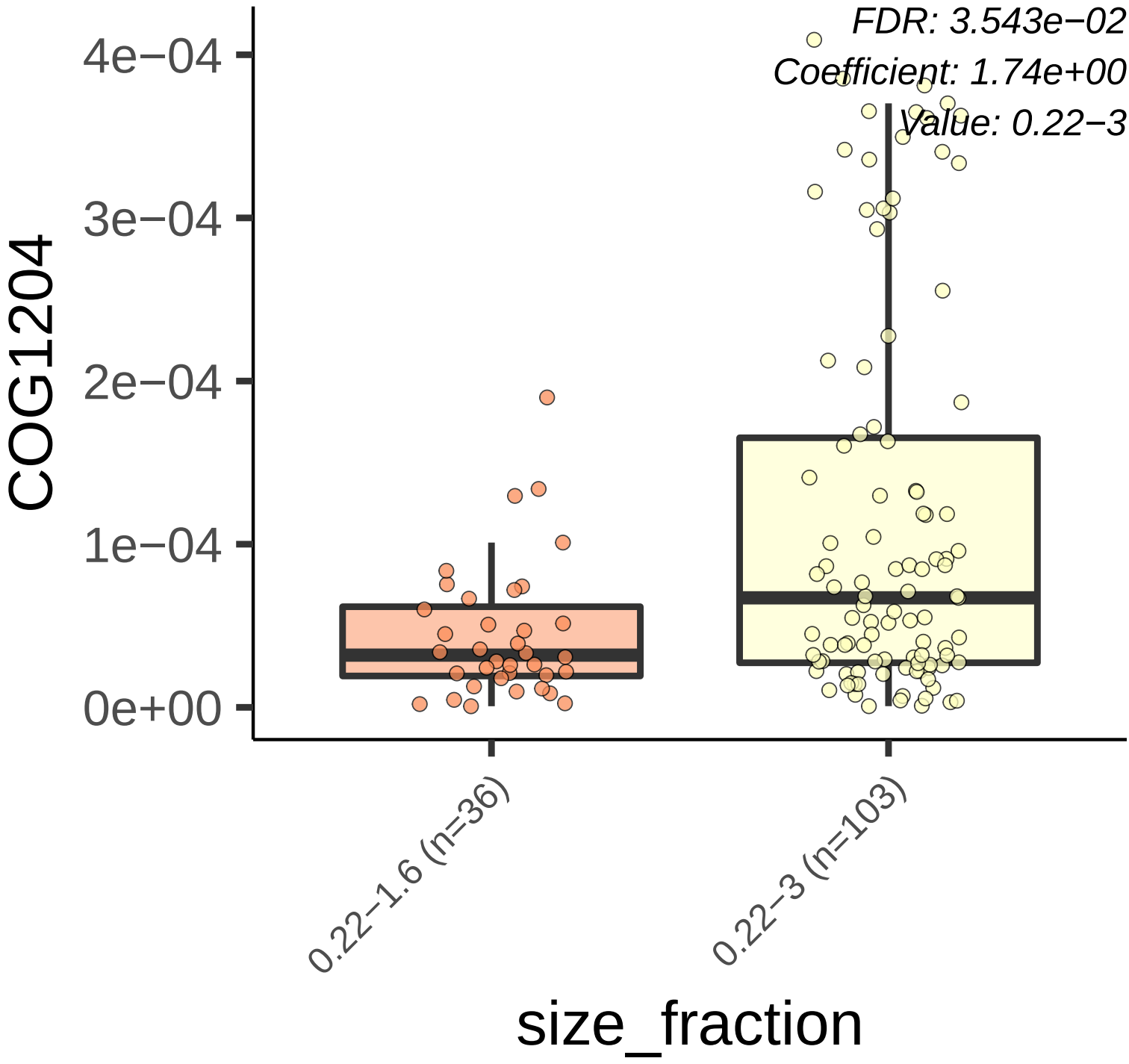

FDR: 3.526e−02
Coefficient: 5.41e−01
Value: 0.22−3
COG4993
0.00075
0.00050
0.00025
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

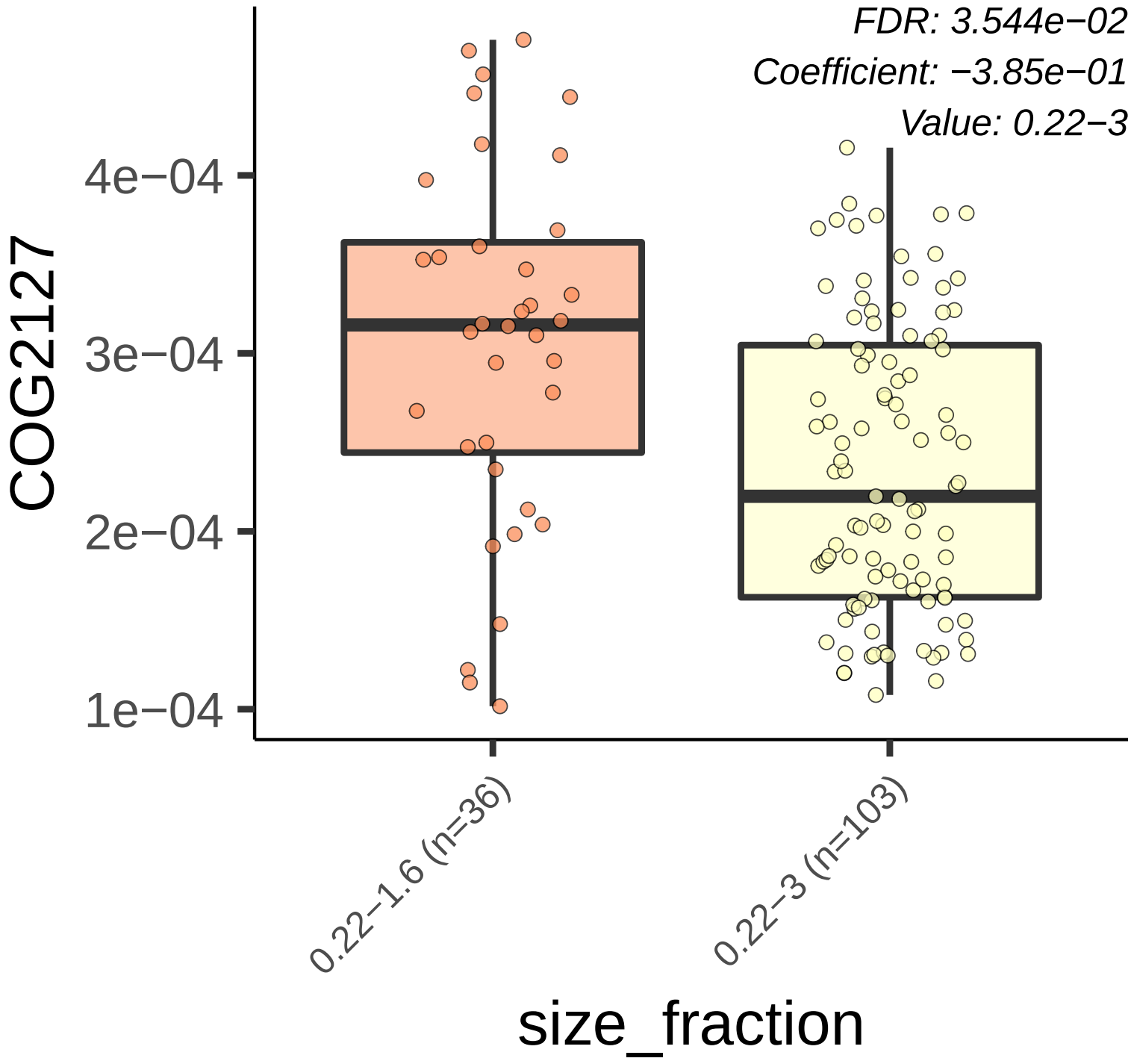

FDR: 3.528e−02
Coefficient: 8.94e−01
Value: 0.22−3
COG3408
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

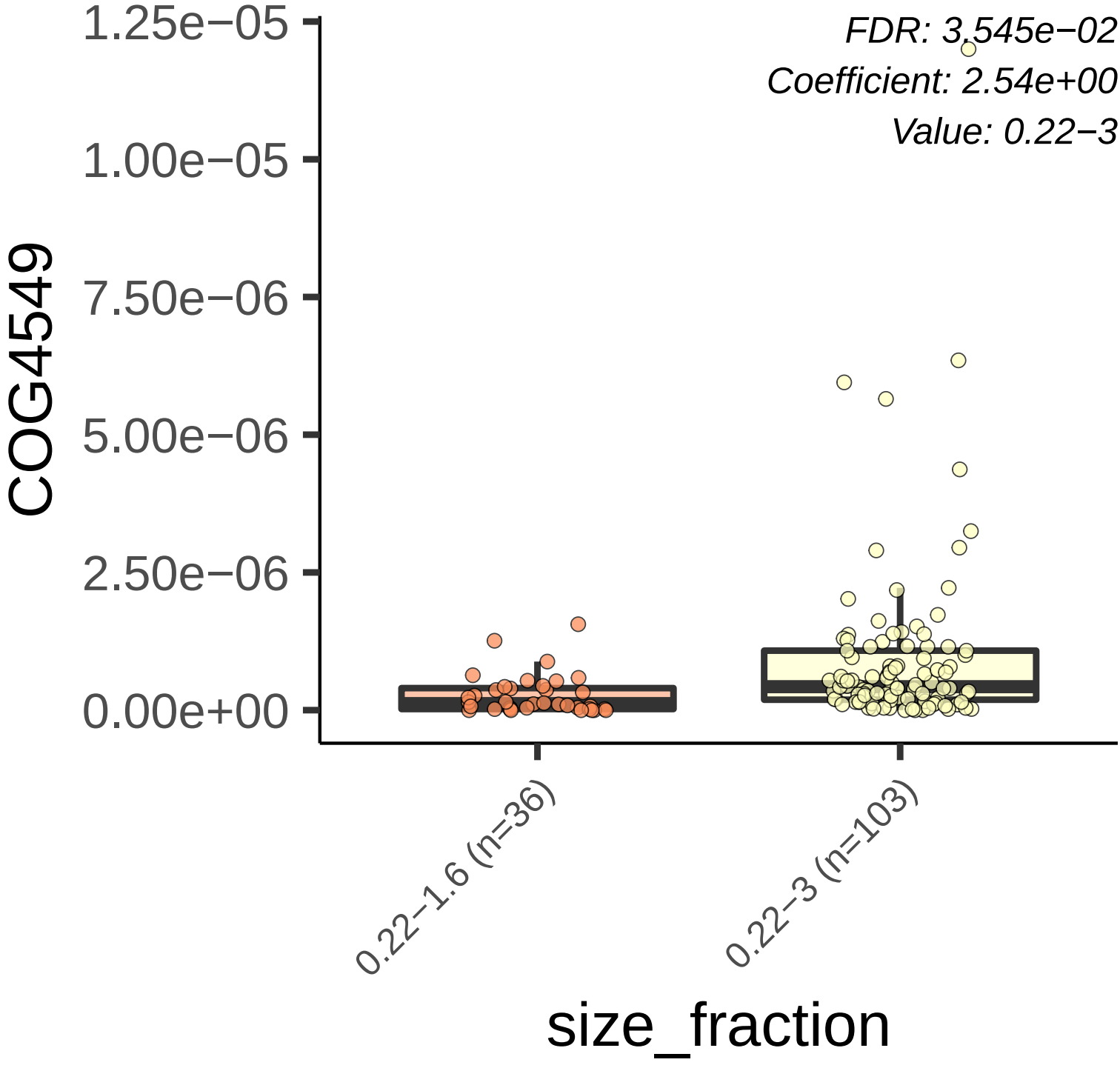

FDR: 3.530e−02
Coefficient: 5.86e−01
Value: 0.22−3
5e−04
4e−04
3e−04
2e−04
1e−04
COG4631
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

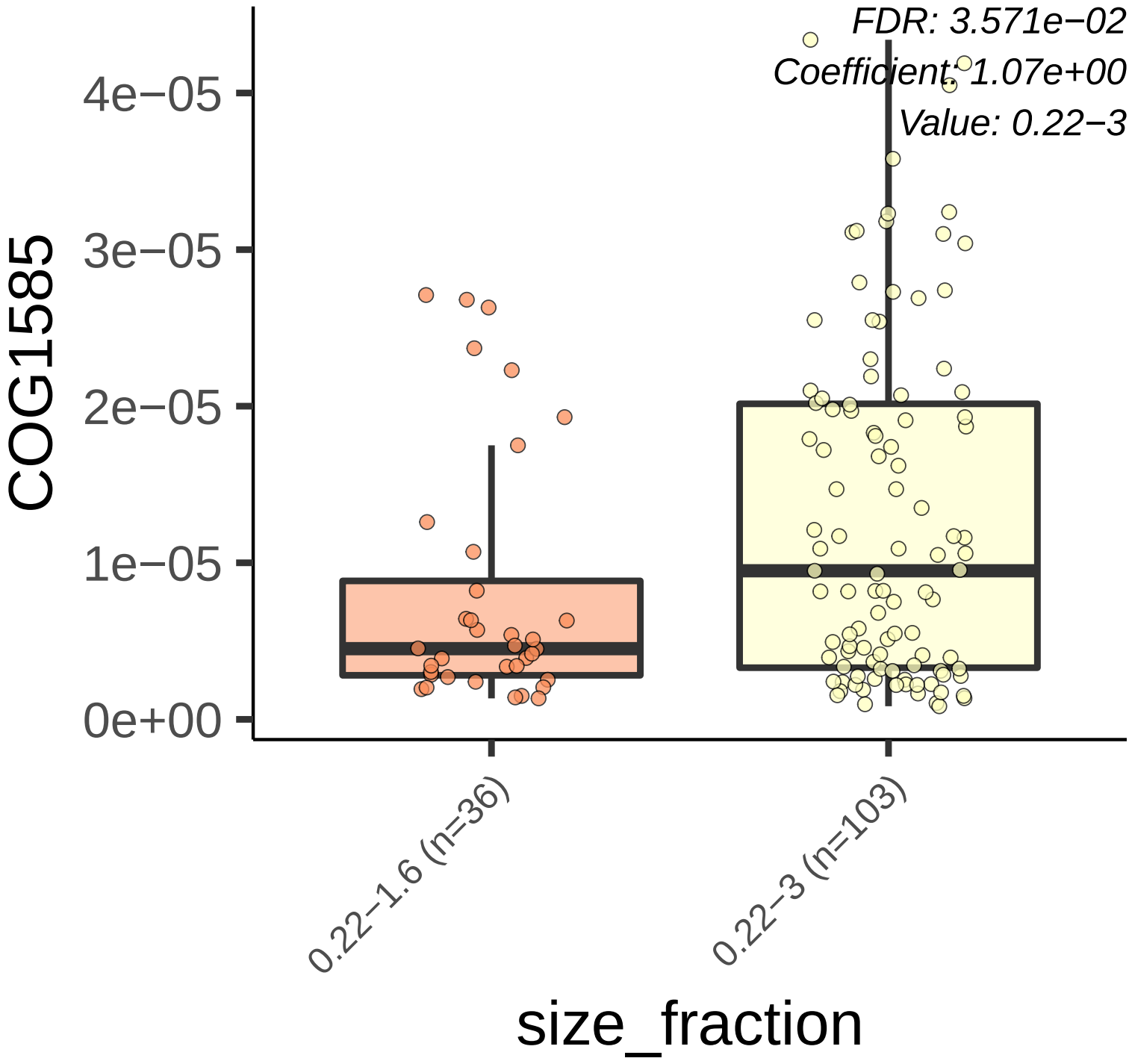

FDR: 3.535e−02
Coefficient: 5.26e−01
Value: 0.22−3
COG1975
6e−04
5e−04
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

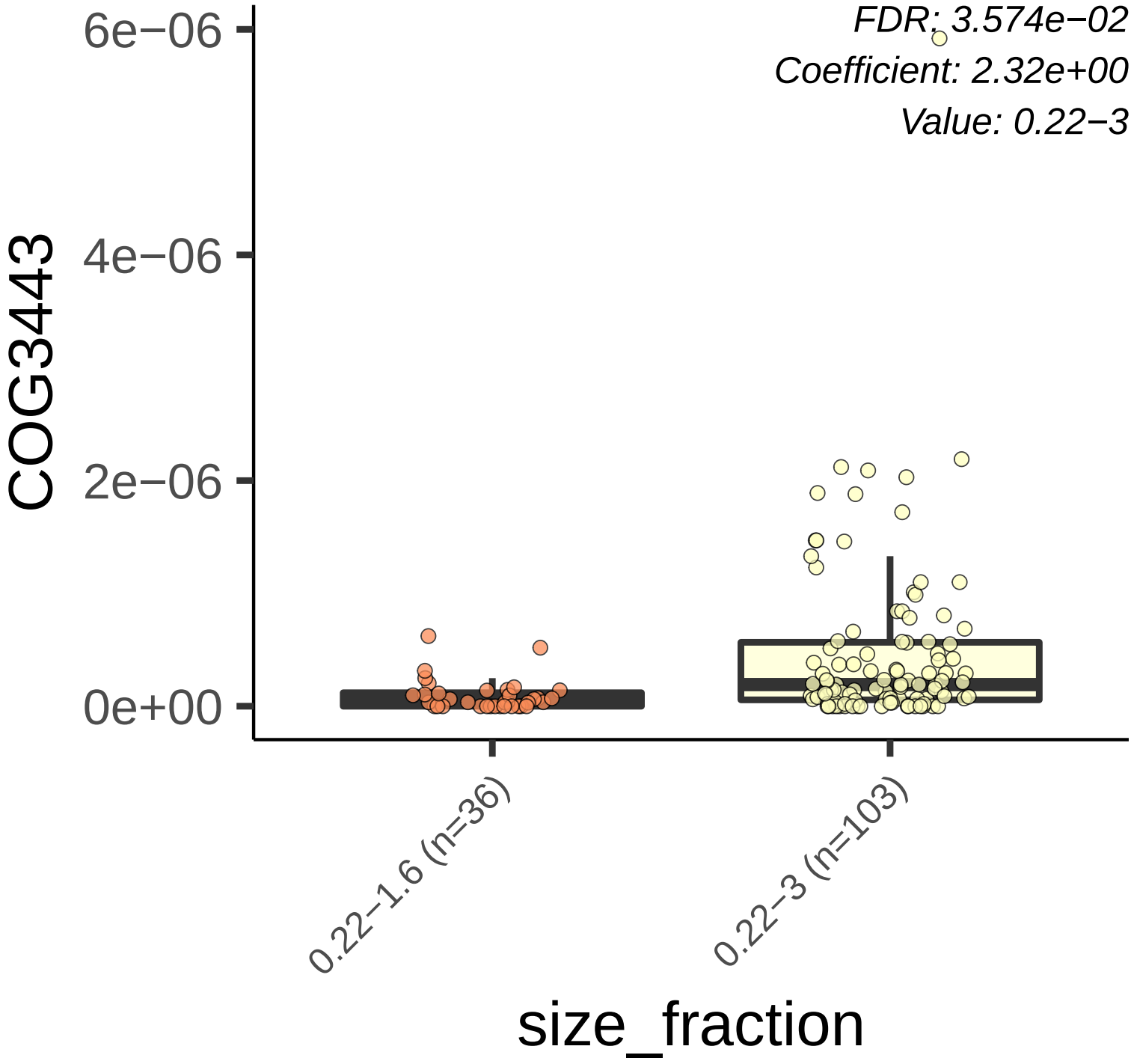

FDR: 3.538e−02
Coefficient: 4.17e+00
Value: 0.22−3
COG3889
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

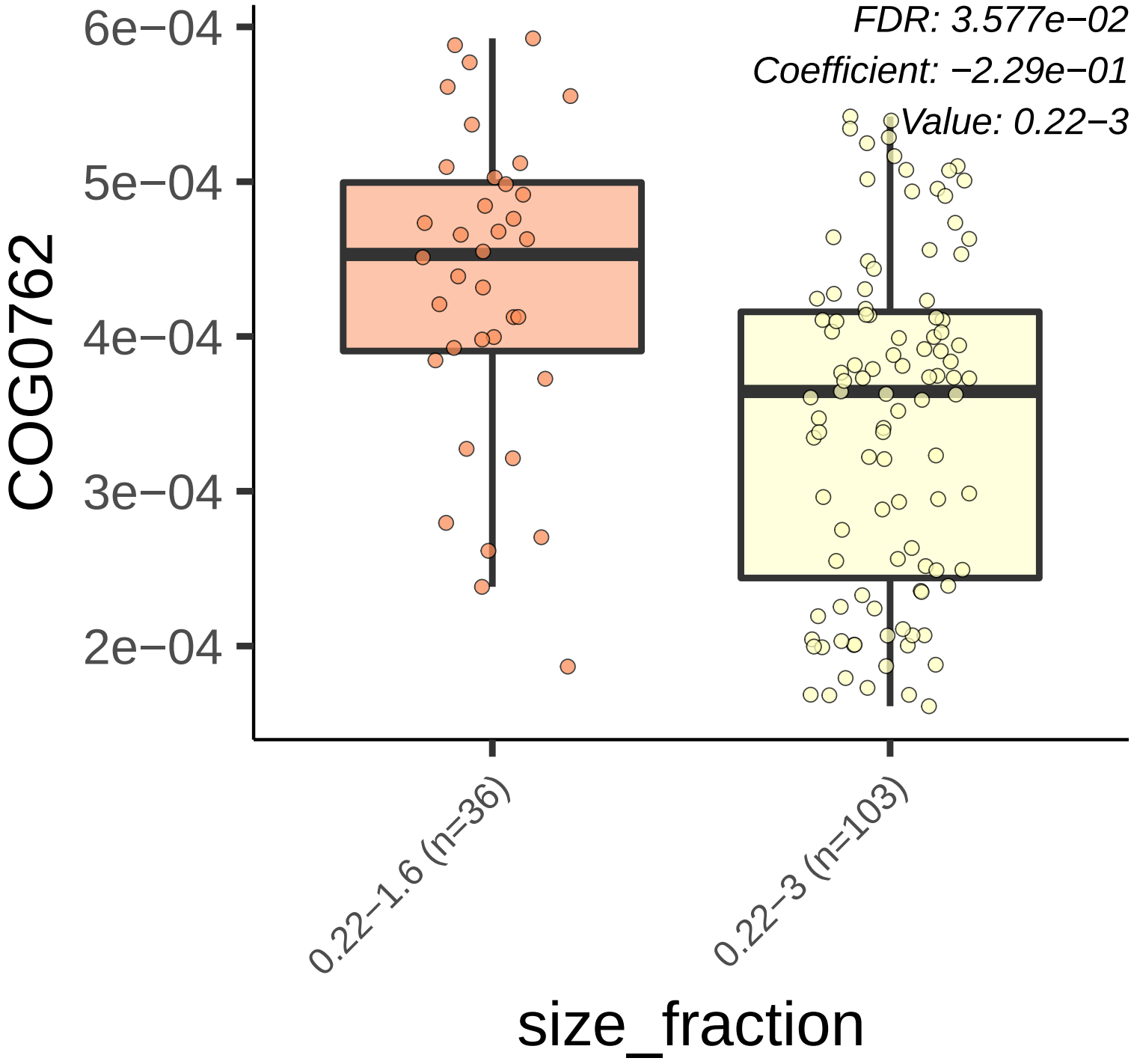

FDR: 3.543e−02
Coefficient: 1.74e+00
Value: 0.22−3
COG1204
4e−04
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

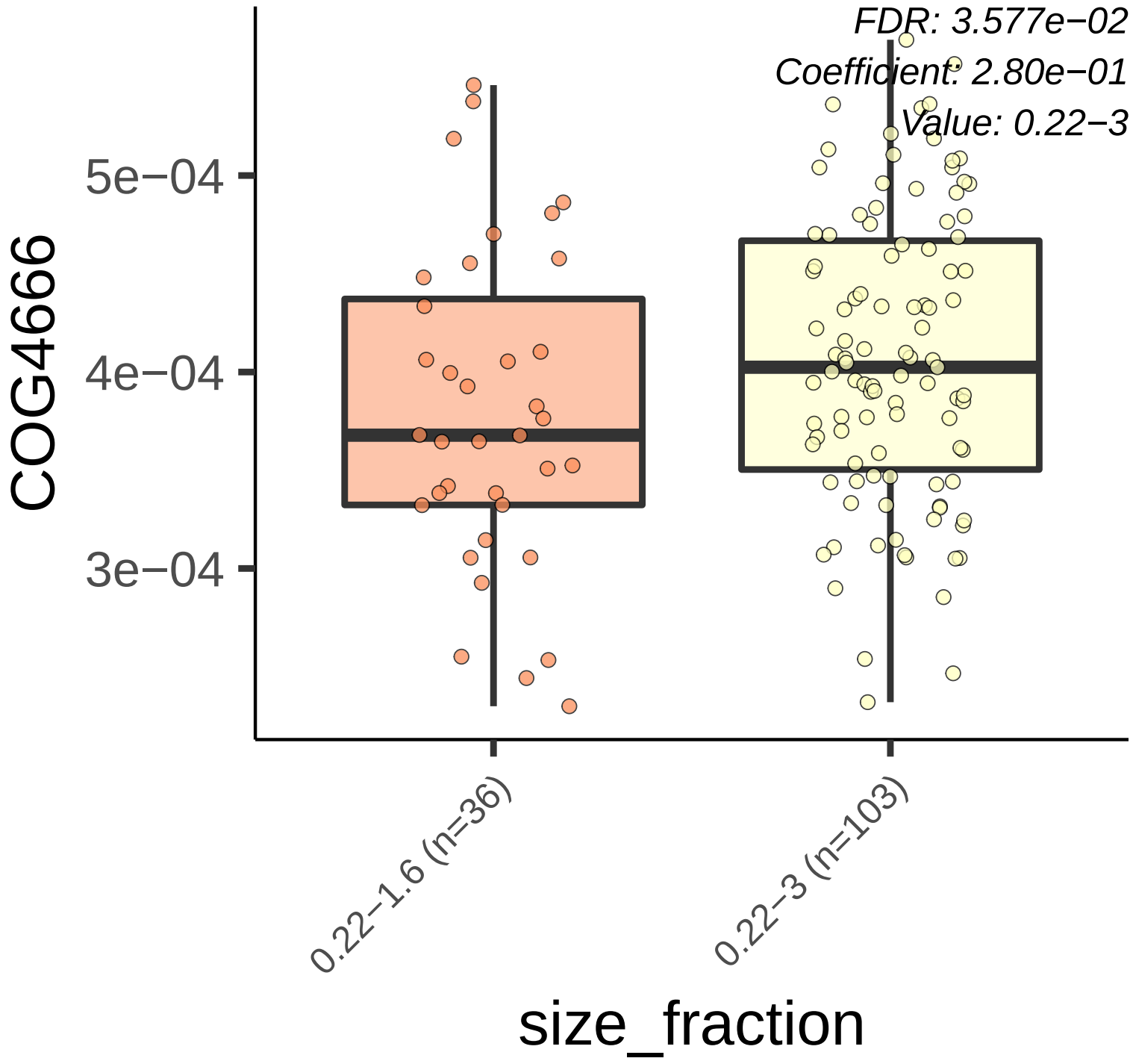

FDR: 3.544e−02
Coefficient: −3.85e−01
Value: 0.22−3
COG2127
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

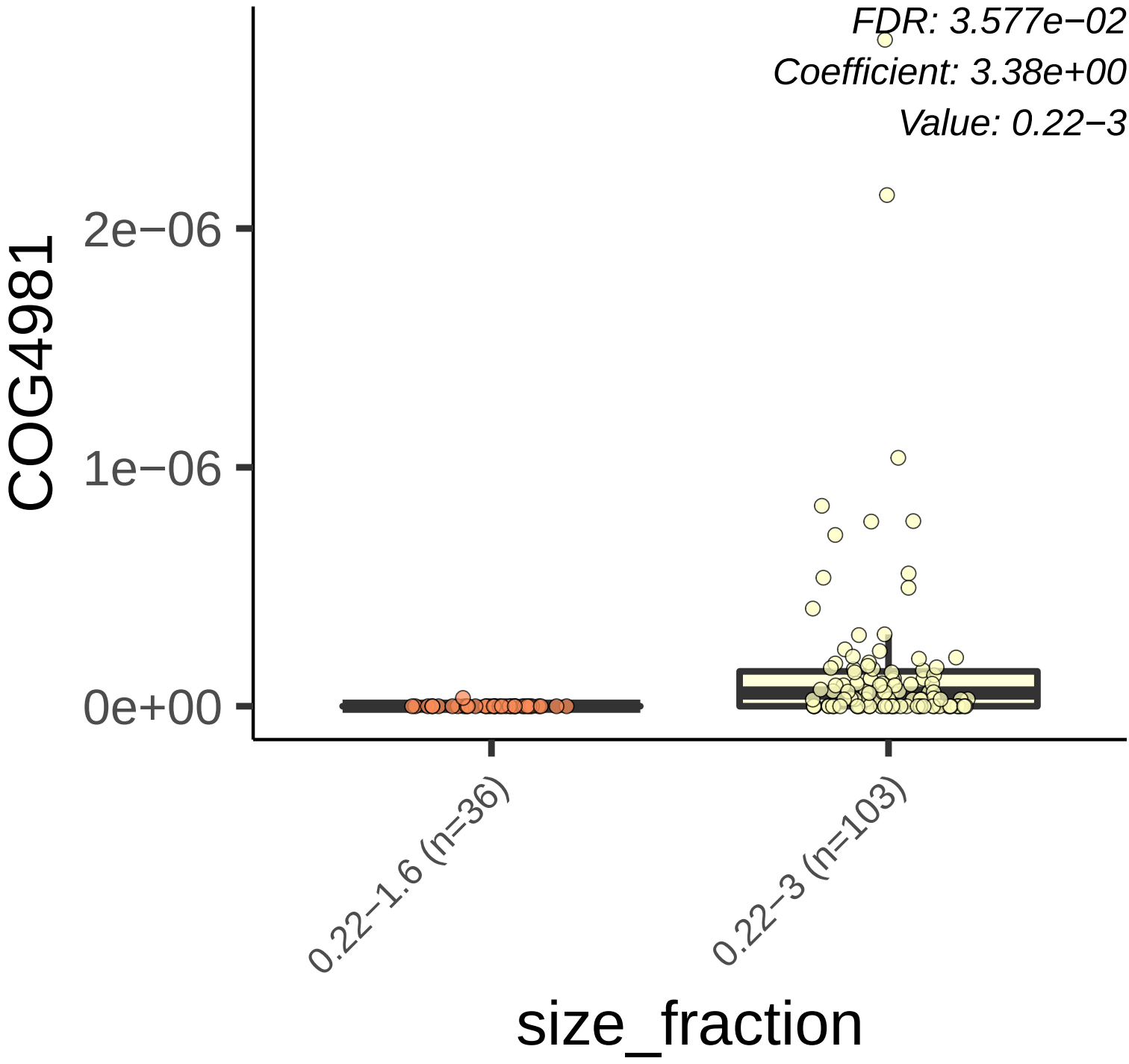

FDR: 3.545e−02
Coefficient: 2.54e+00
Value: 0.22−3
COG4549
1.25e−05
1.00e−05
7.50e−06
5.00e−06
2.50e−06
0.00e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

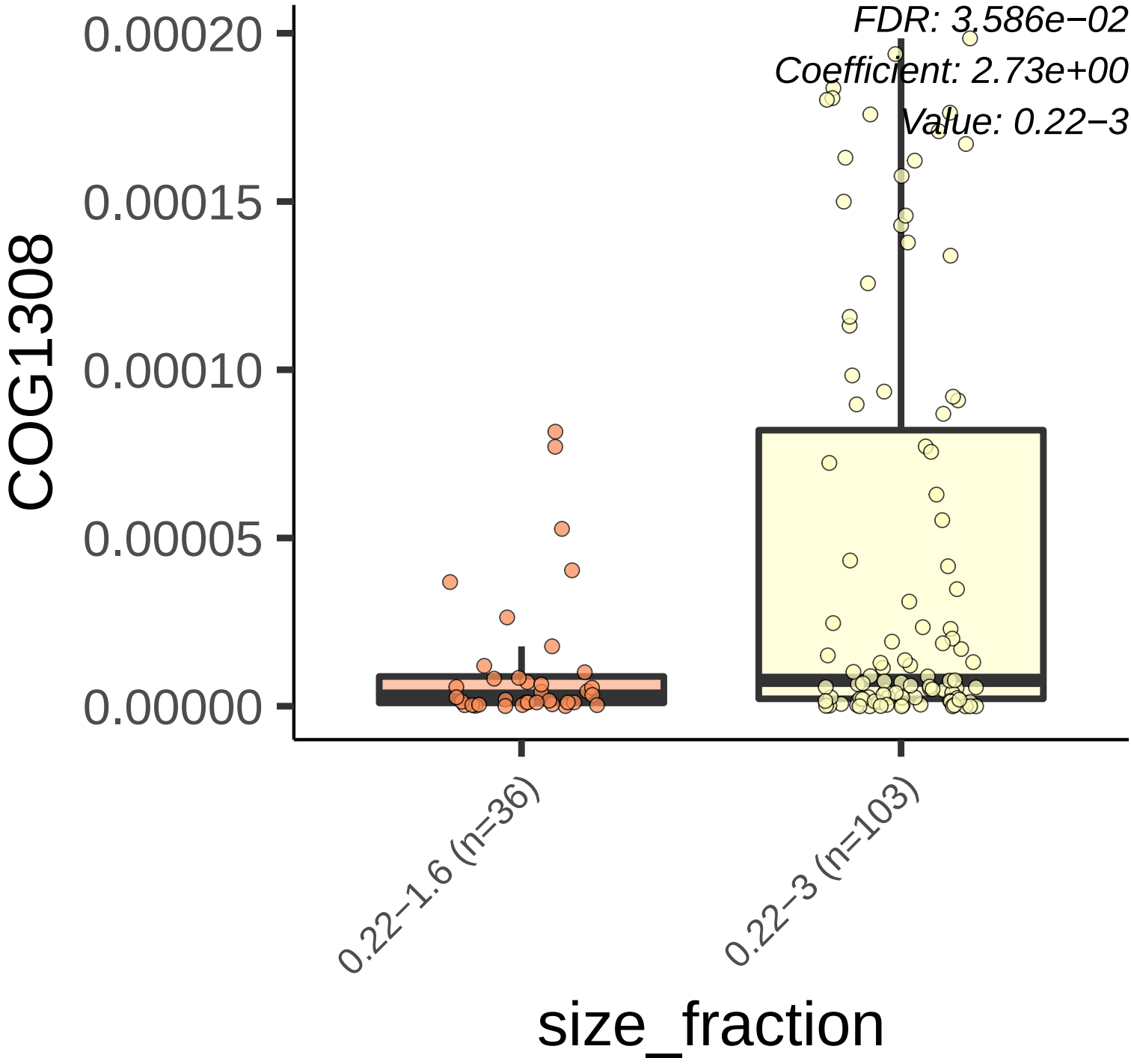

FDR: 3.571e−02
Coefficient: 1.07e+00
Value: 0.22−3
COG1585
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

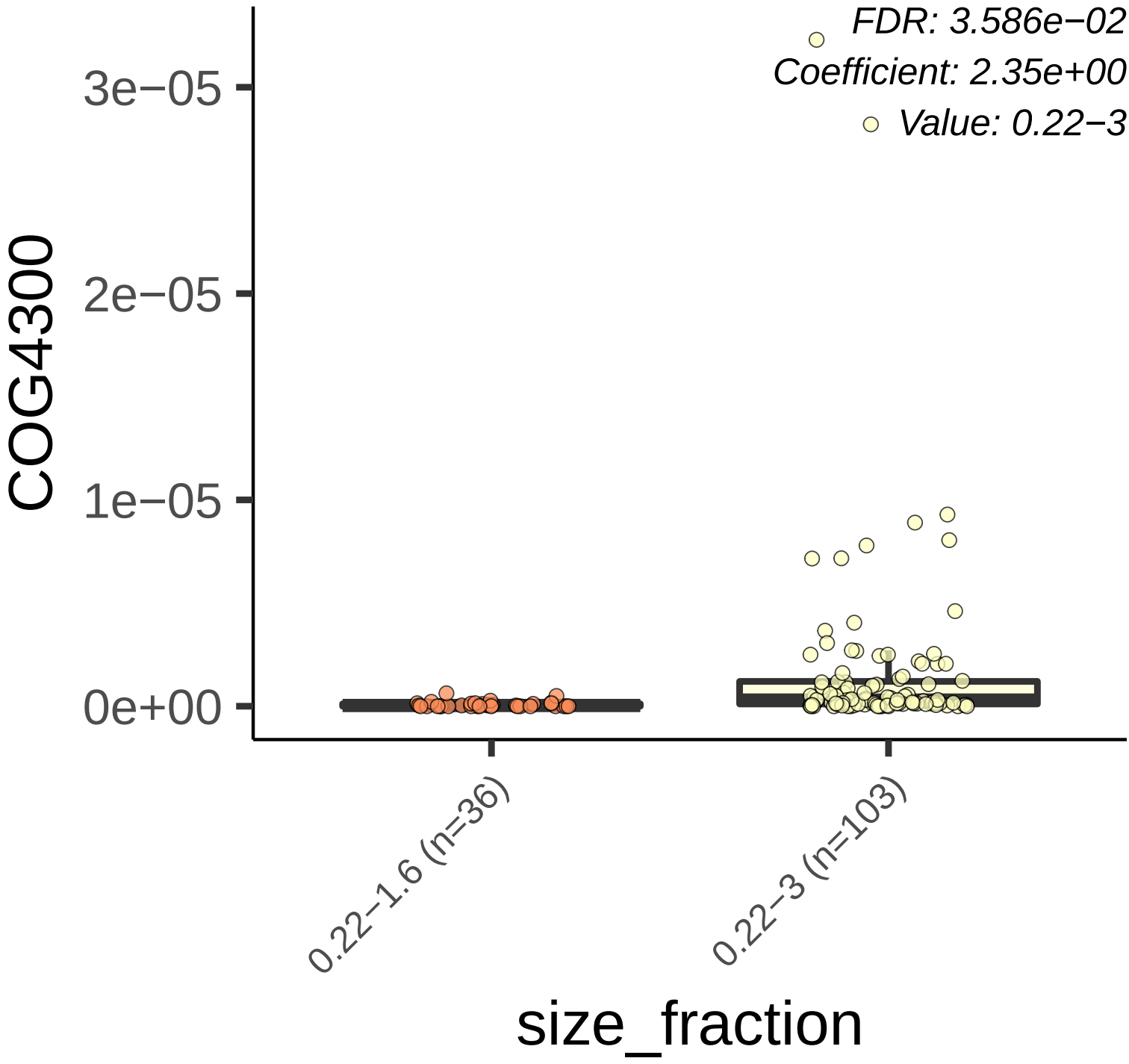

FDR: 3.574e−02
Coefficient: 2.32e+00
Value: 0.22−3
COG3443
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

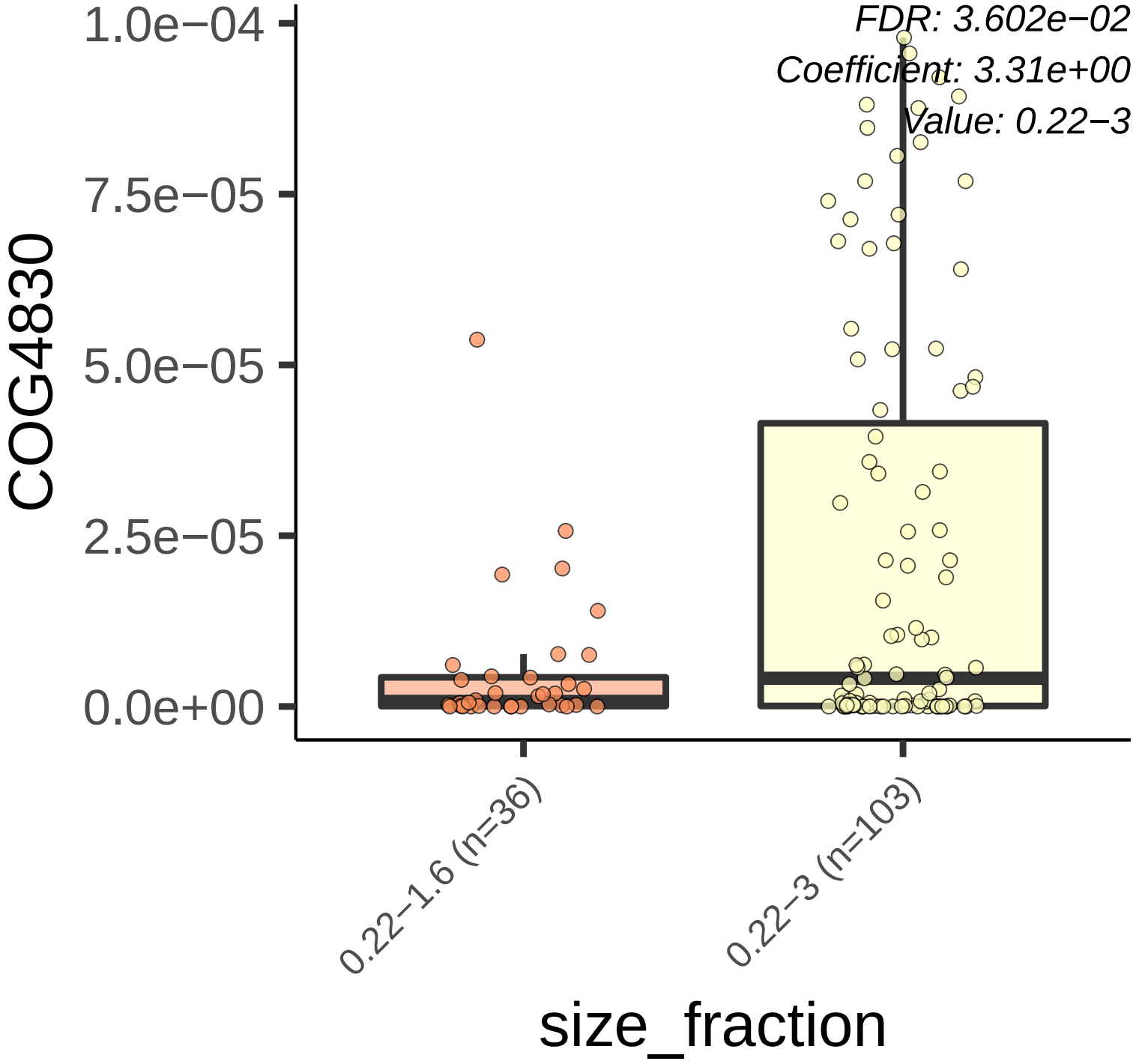

FDR: 3.577e−02
Coefficient: −2.29e−01
Value: 0.22−3
COG0762
6e−04
5e−04
4e−04
3e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

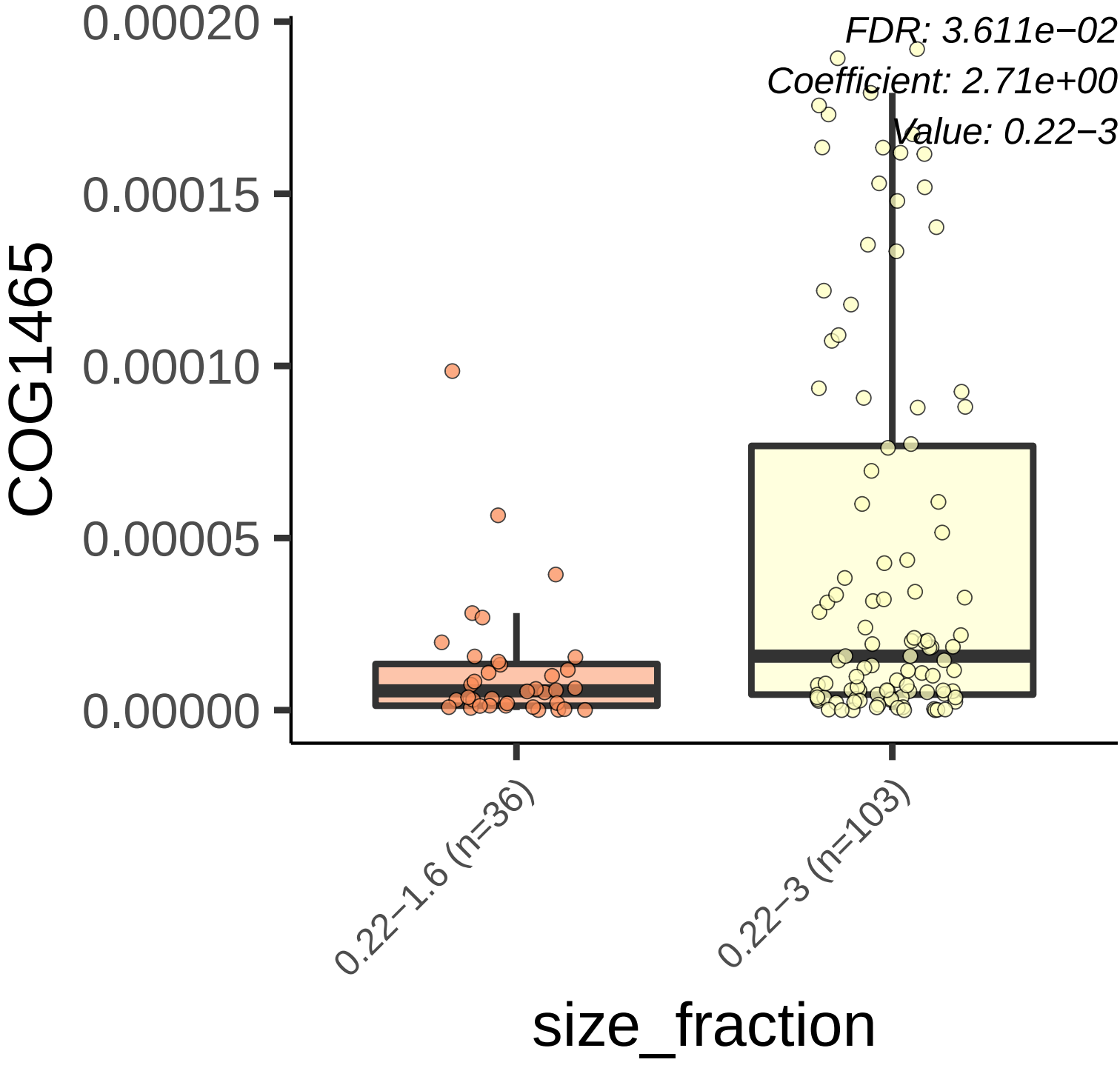

FDR: 3.577e−02
Coefficient: 2.80e−01
Value: 0.22−3
COG4666
5e−04
4e−04
3e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

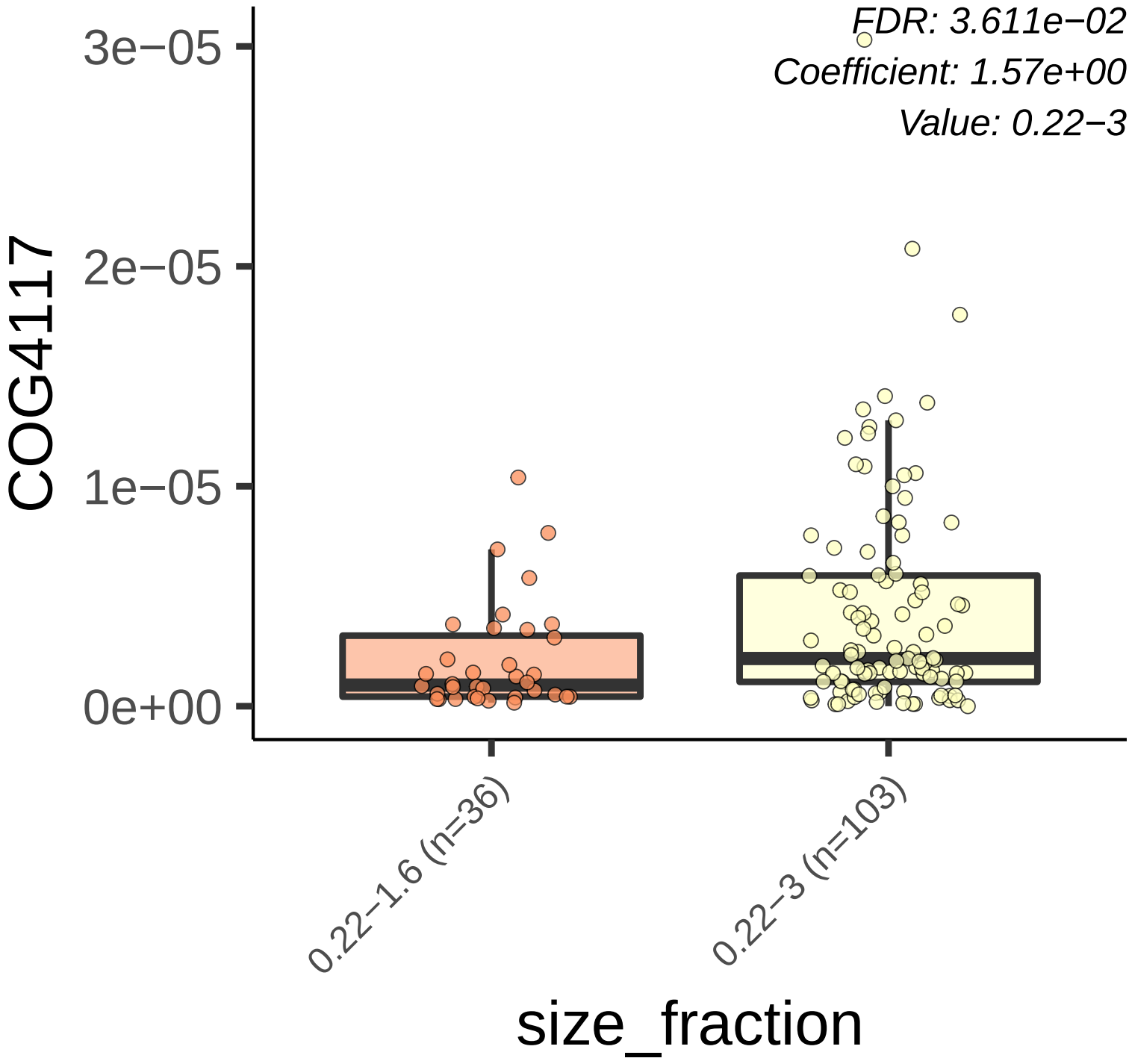

FDR: 3.577e−02
Coefficient: 3.38e+00
Value: 0.22−3
COG4981
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

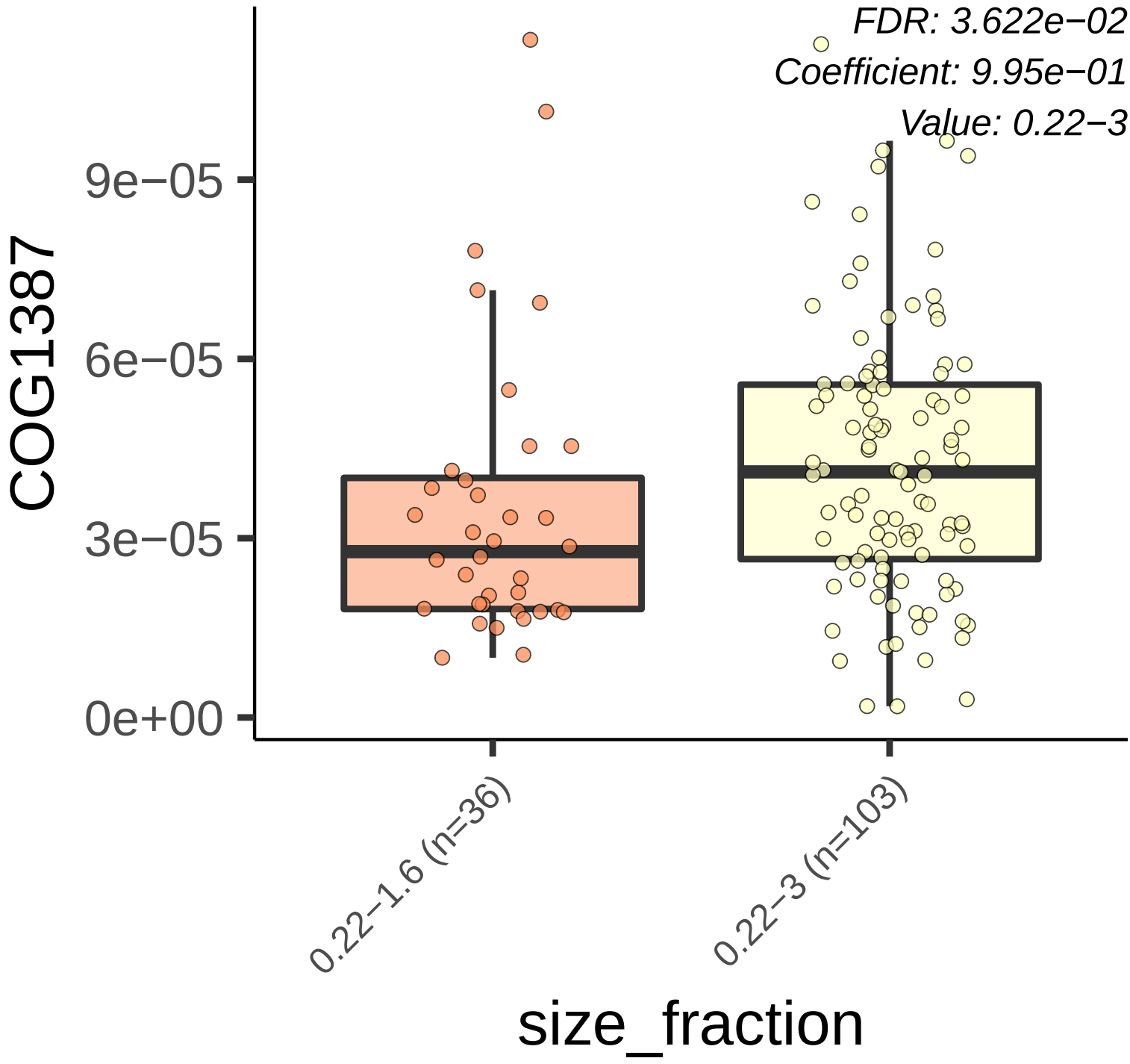

FDR: 3.586e−02
Coefficient: 2.73e+00
Value: 0.22−3
COG1308
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

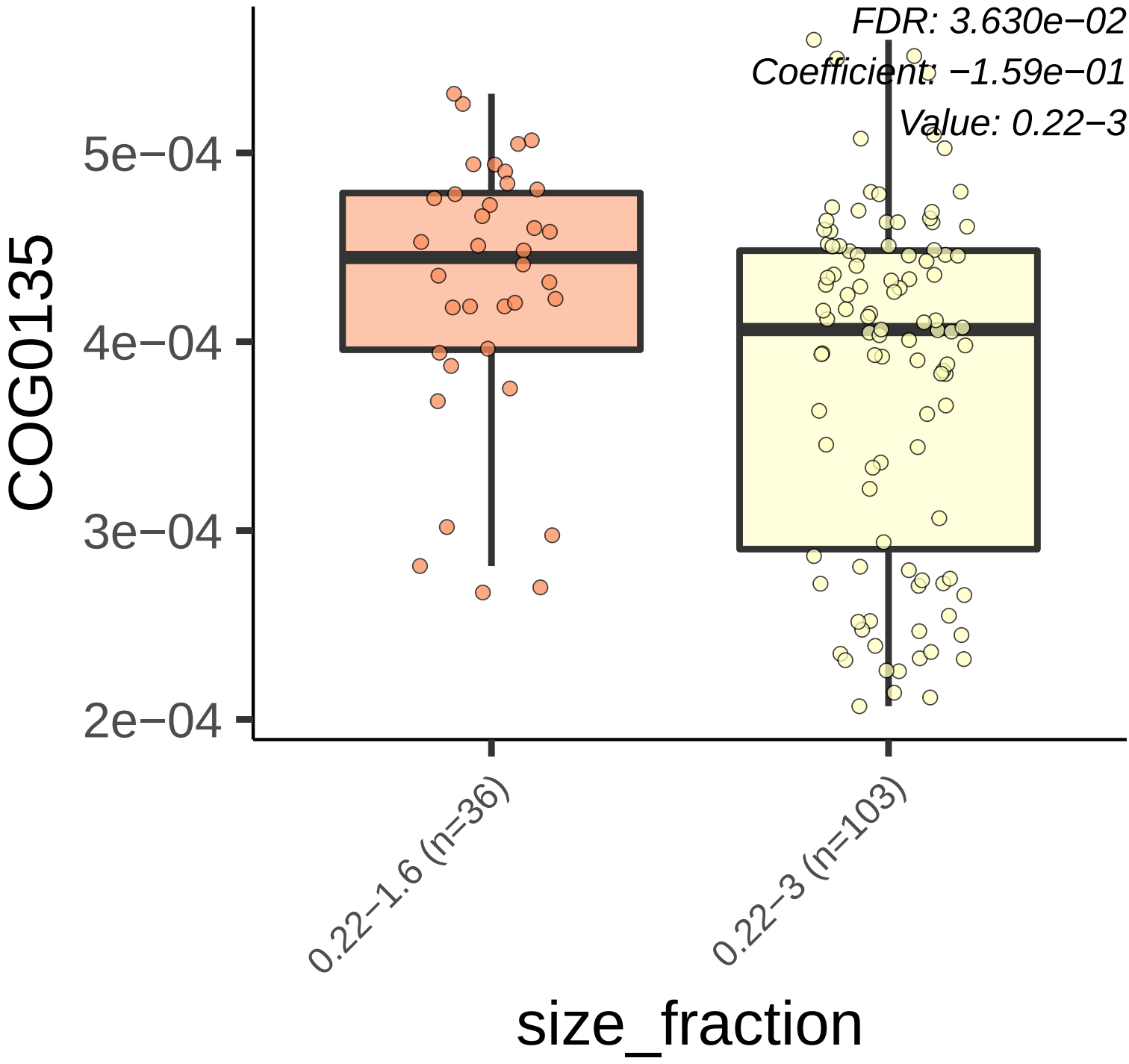

FDR: 3.586e−02
Coefficient: 2.35e+00
Value: 0.22−3
COG4300
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

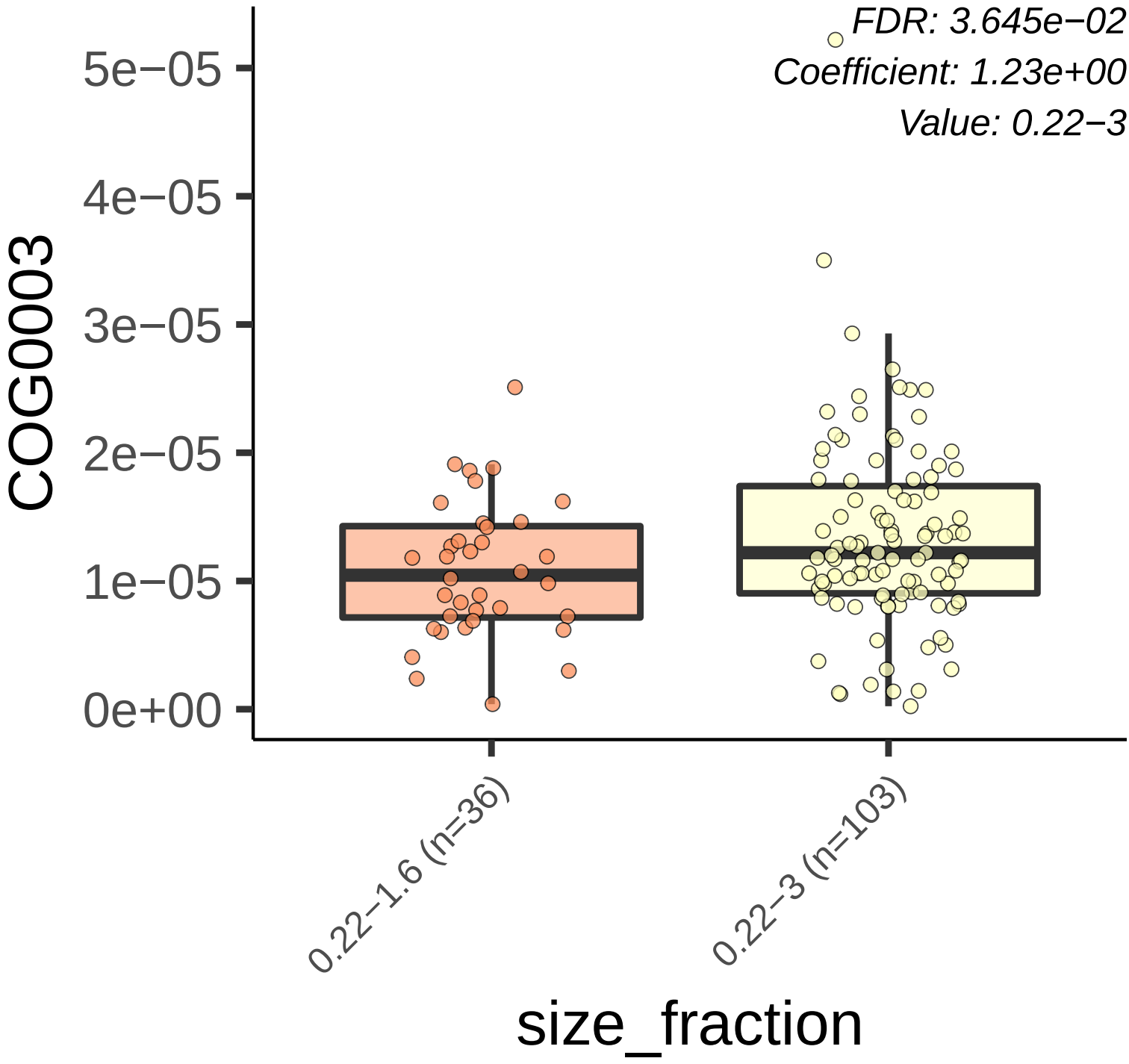

FDR: 3.602e−02
Coefficient: 3.31e+00
Value: 0.22−3
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
COG4830
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

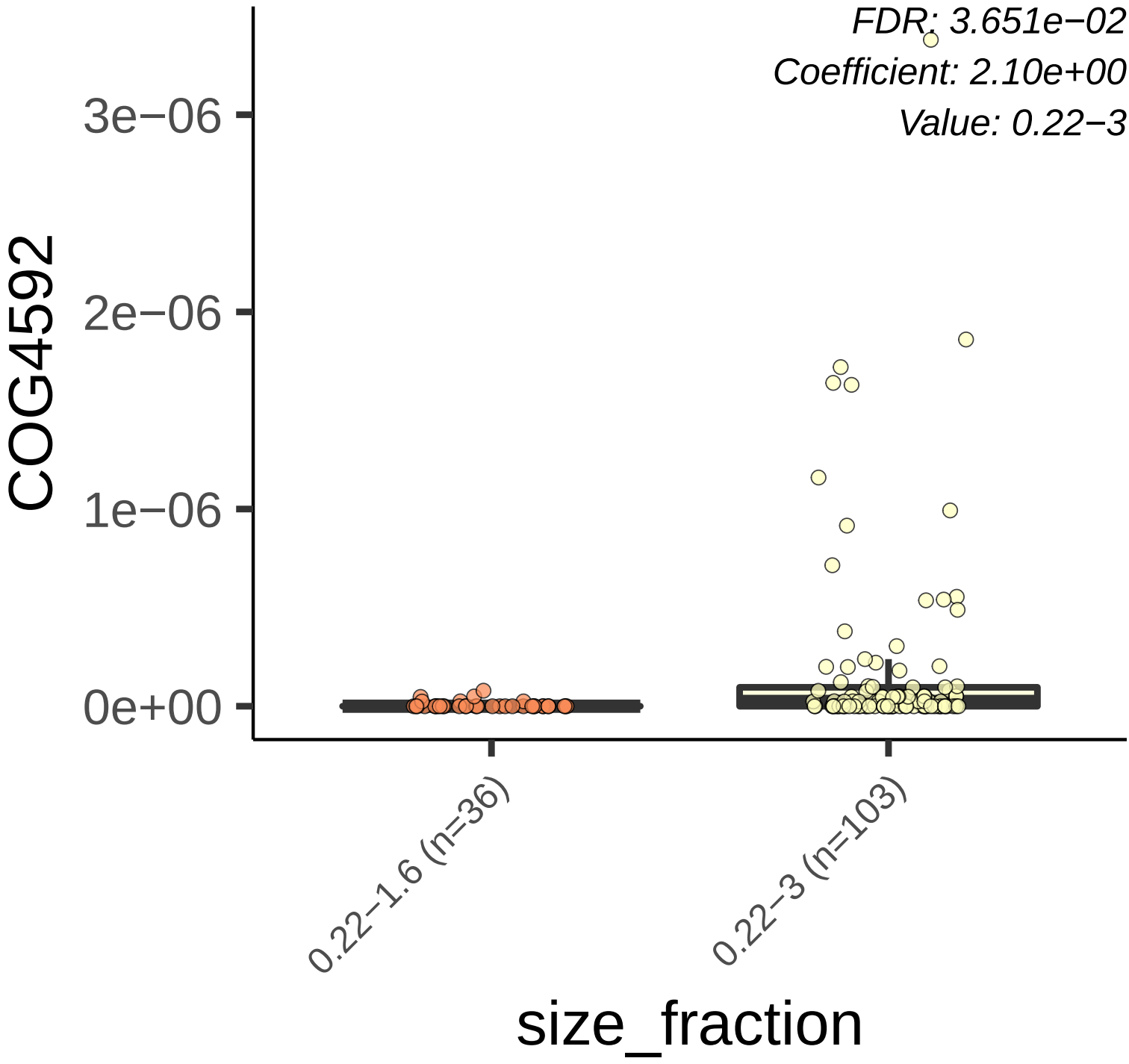

FDR: 3.611e−02
Coefficient: 2.71e+00
Value: 0.22−3
COG1465
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

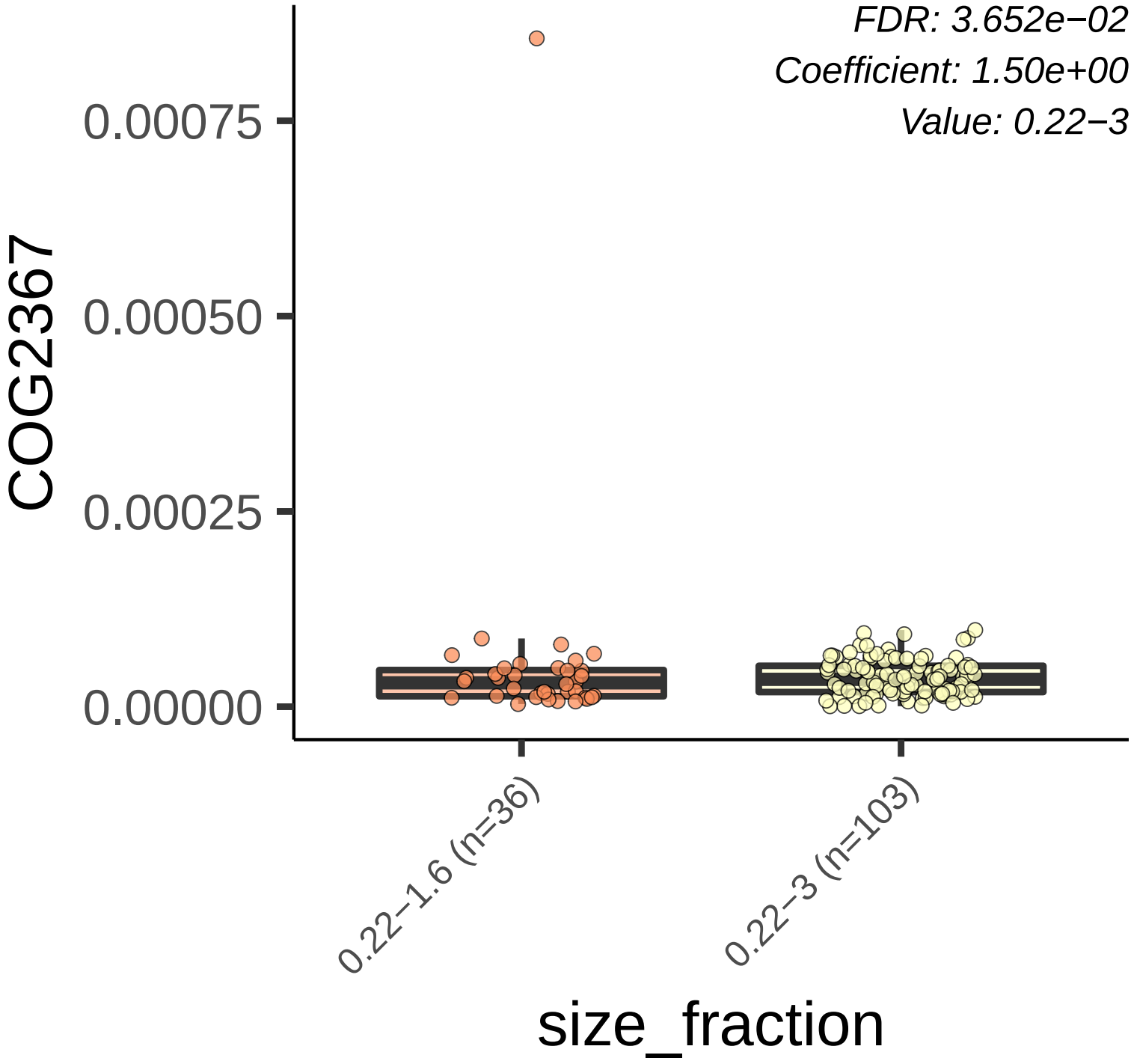

FDR: 3.611e−02
Coefficient: 1.57e+00
Value: 0.22−3
COG4117
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

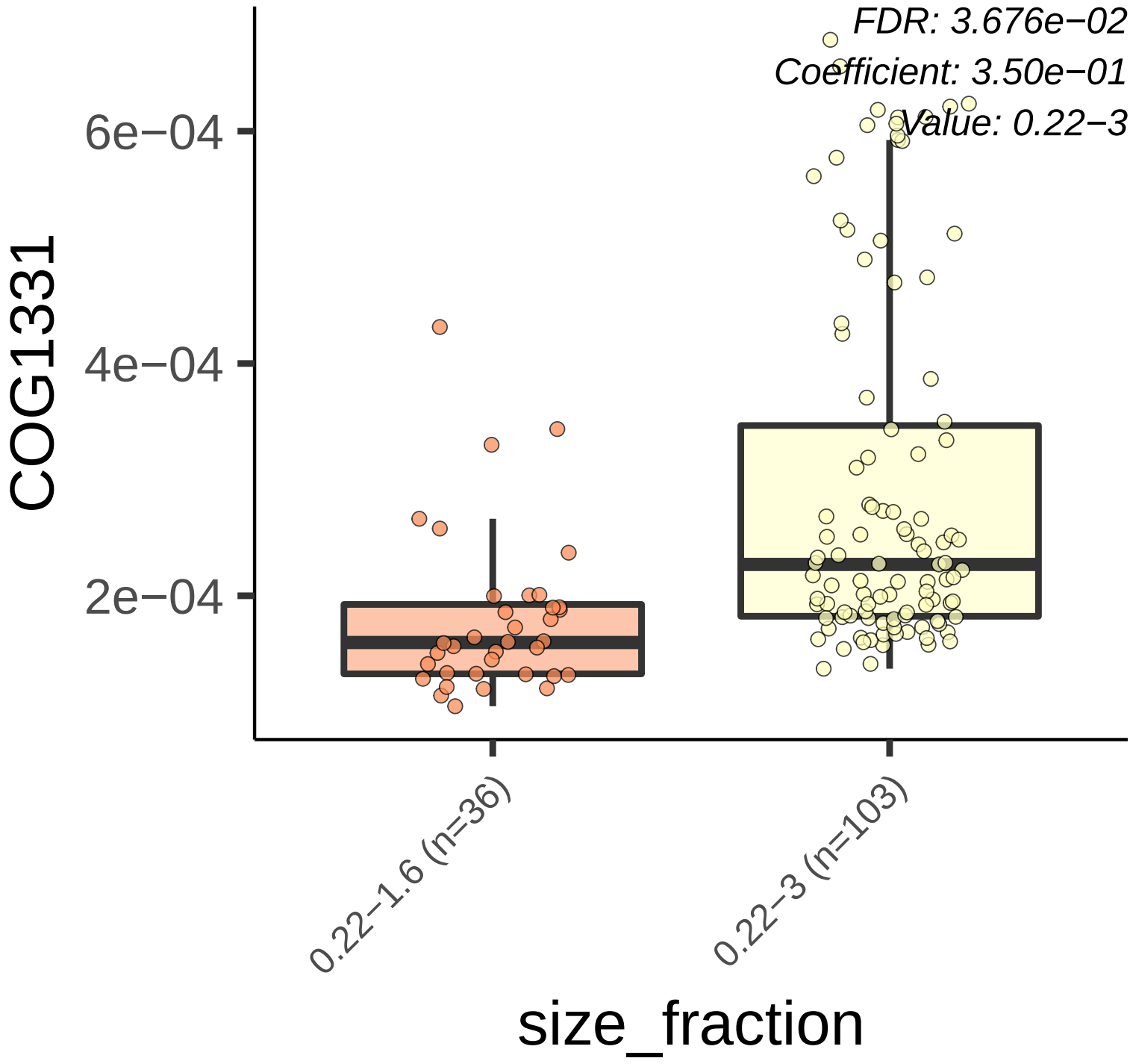

FDR: 3.622e−02
Coefficient: 9.95e−01
Value: 0.22−3
COG1387
9e−05
6e−05
3e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

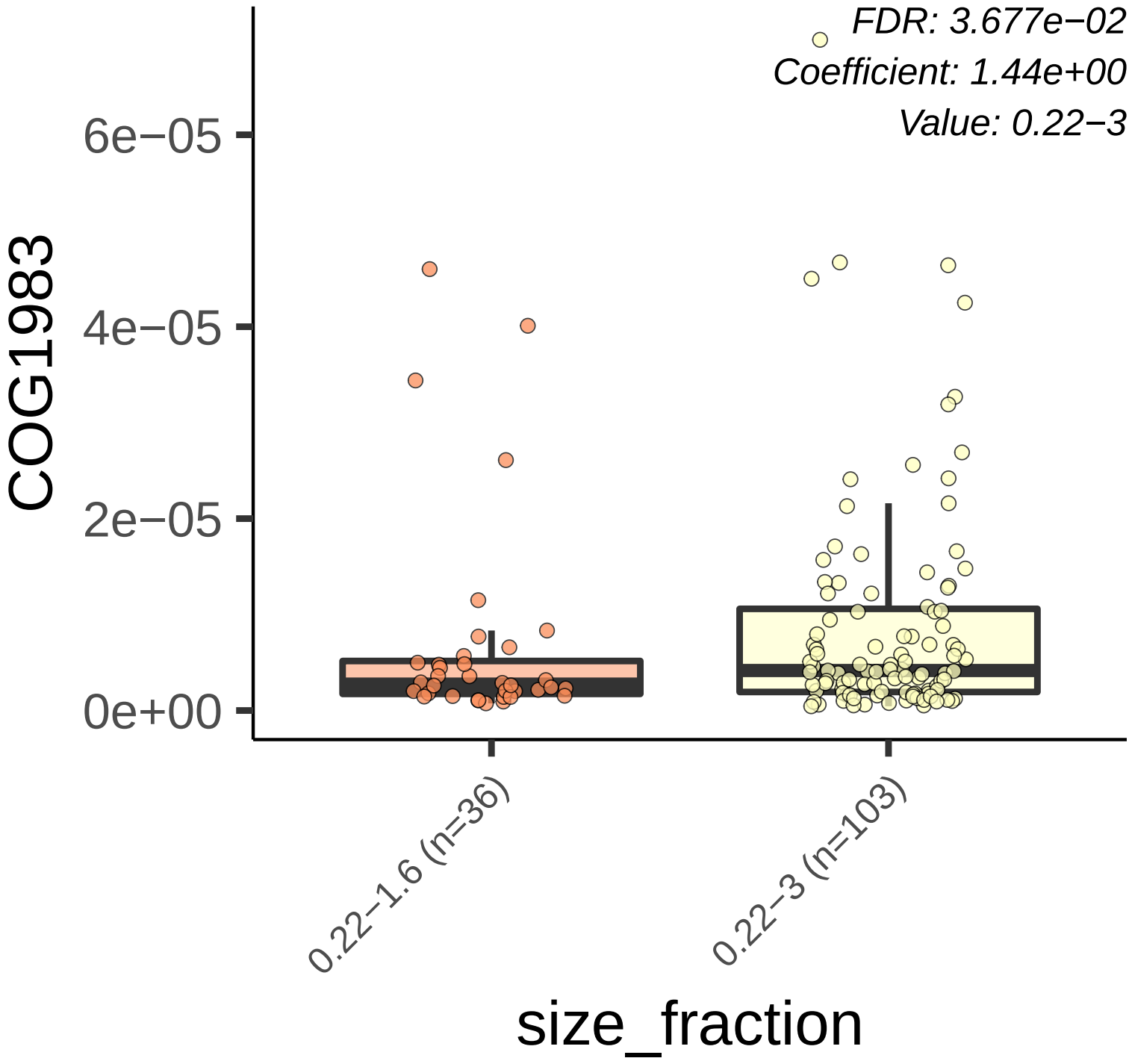

FDR: 3.630e−02
Coefficient: −1.59e−01
Value: 0.22−3
COG0135
5e−04
4e−04
3e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

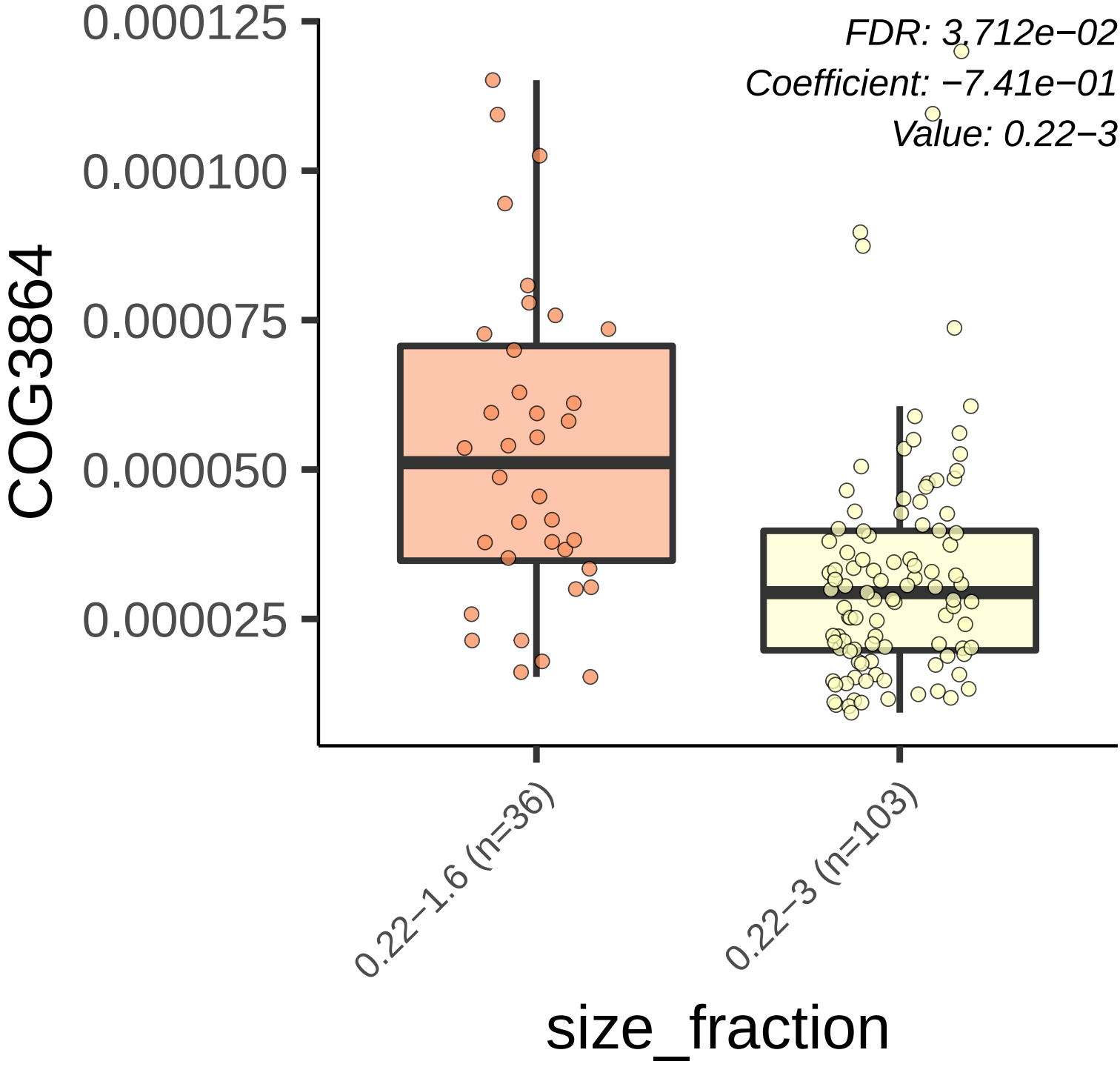

FDR: 3.645e−02
Coefficient: 1.23e+00
Value: 0.22−3
COG0003
5e−05
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

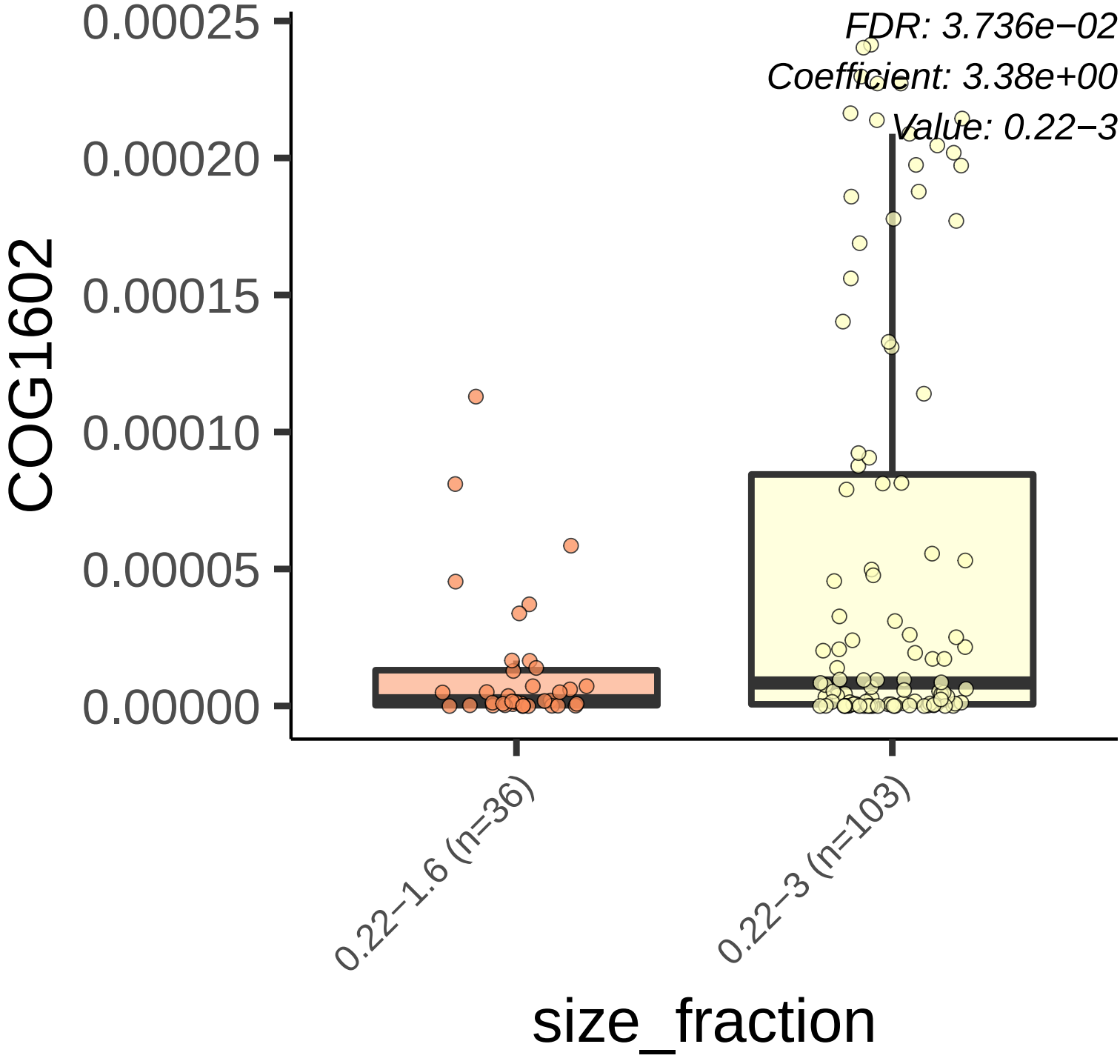

FDR: 3.651e−02
Coefficient: 2.10e+00
Value: 0.22−3
COG4592
3e−06
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

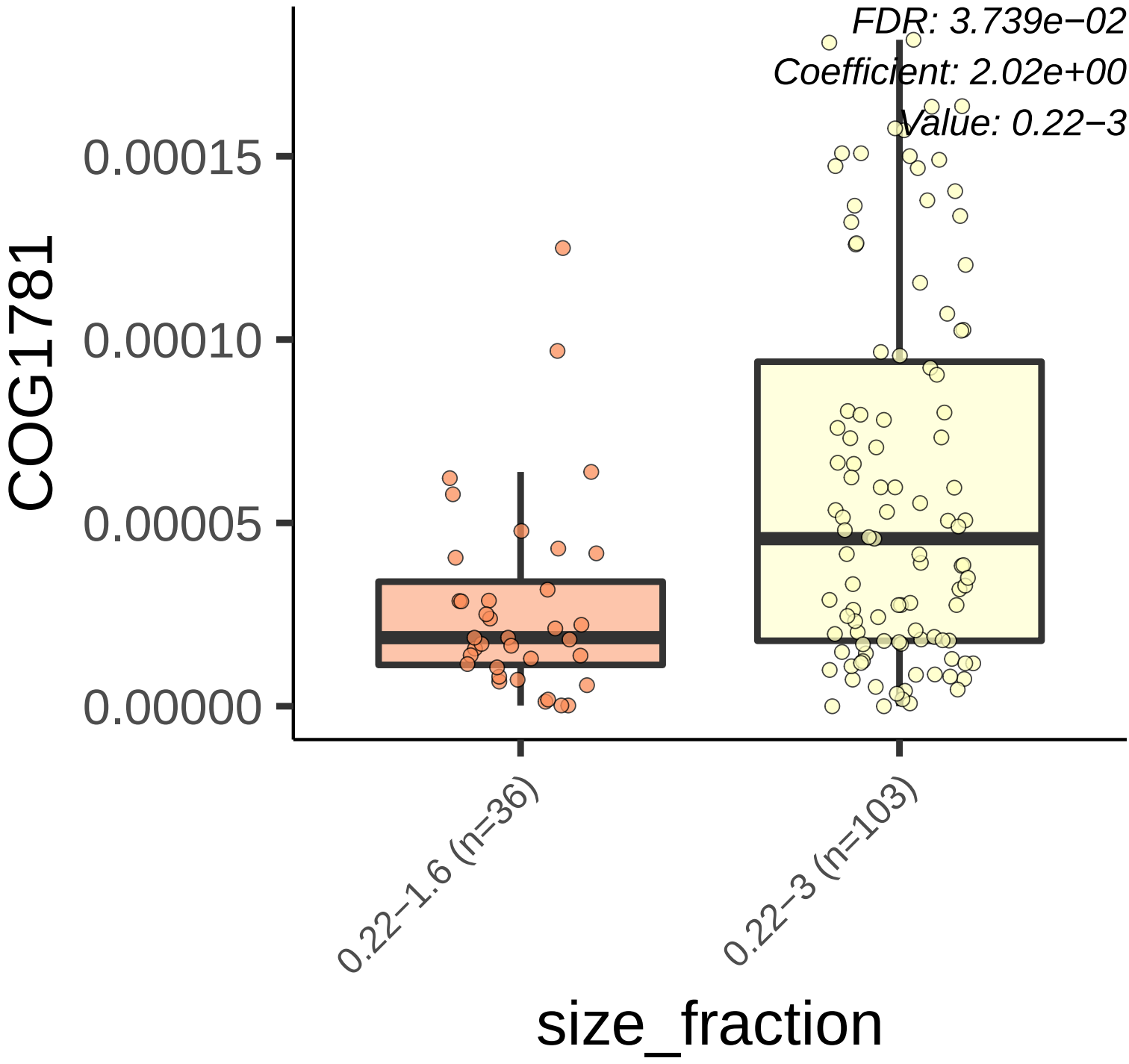

FDR: 3.652e−02
Coefficient: 1.50e+00
Value: 0.22−3
COG2367
0.00075
0.00050
0.00025
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

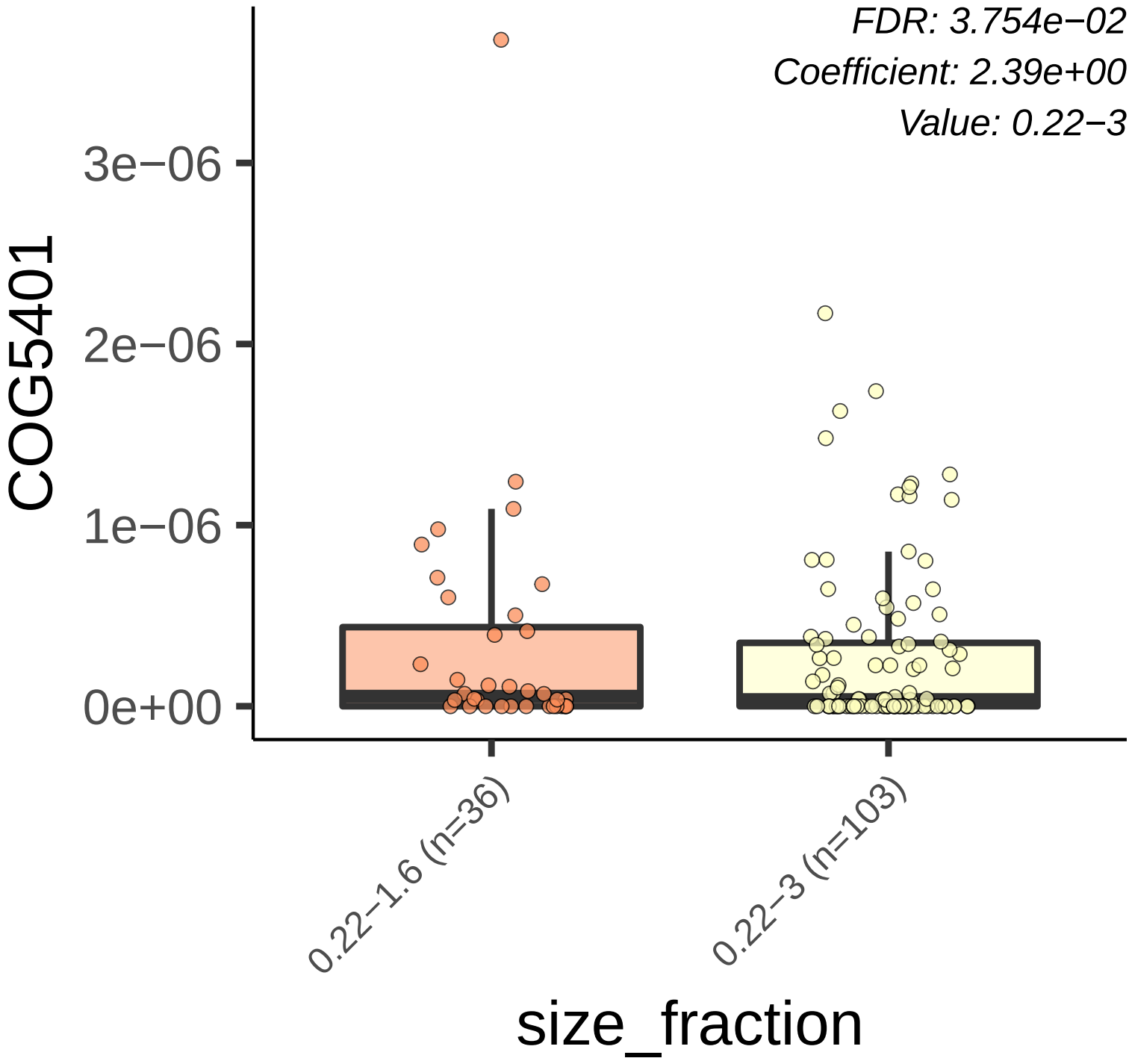

FDR: 3.676e−02
Coefficient: 3.50e−01
Value: 0.22−3
COG1331
6e−04
4e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

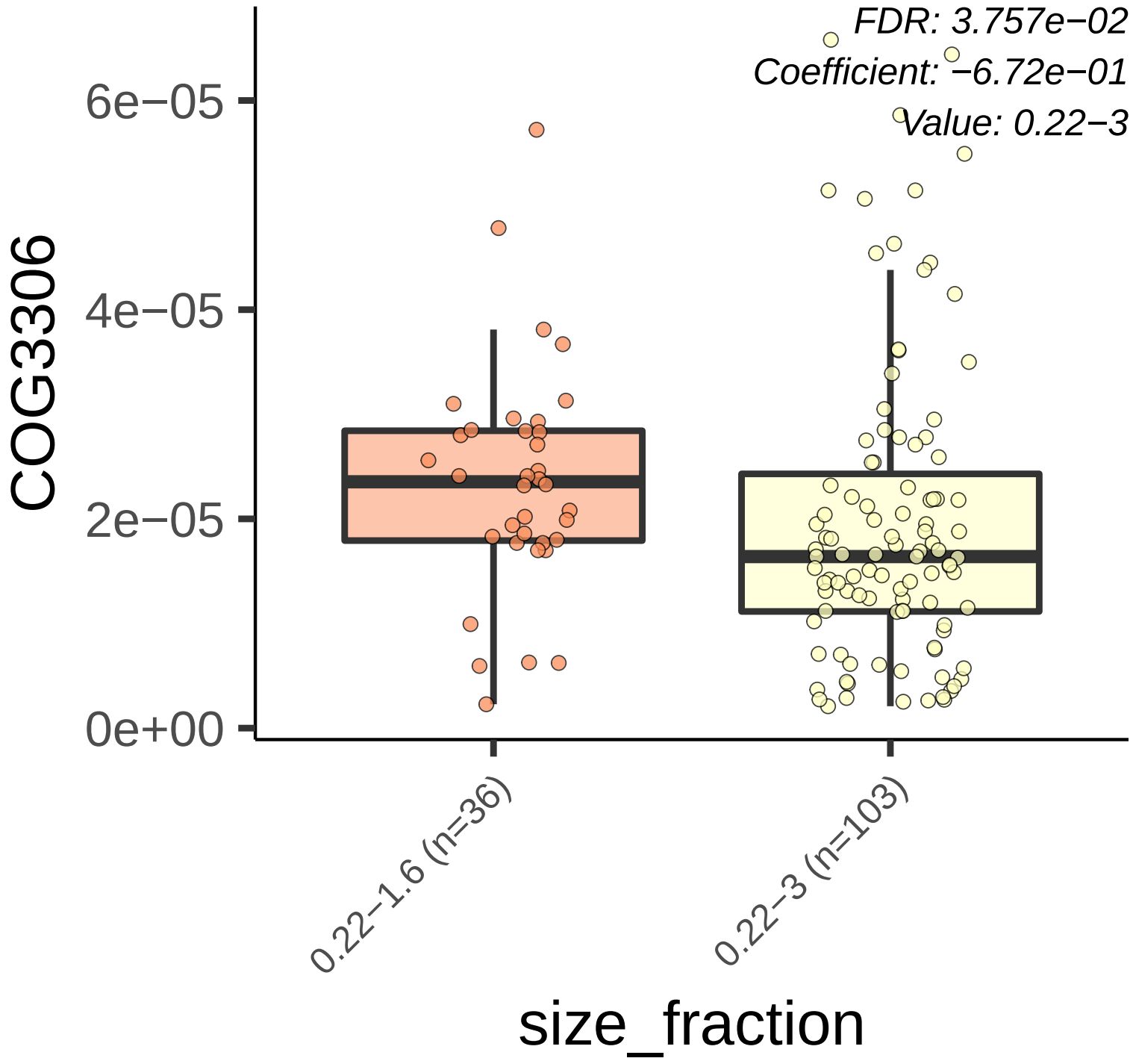

FDR: 3.677e−02
Coefficient: 1.44e+00
Value: 0.22−3
COG1983
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

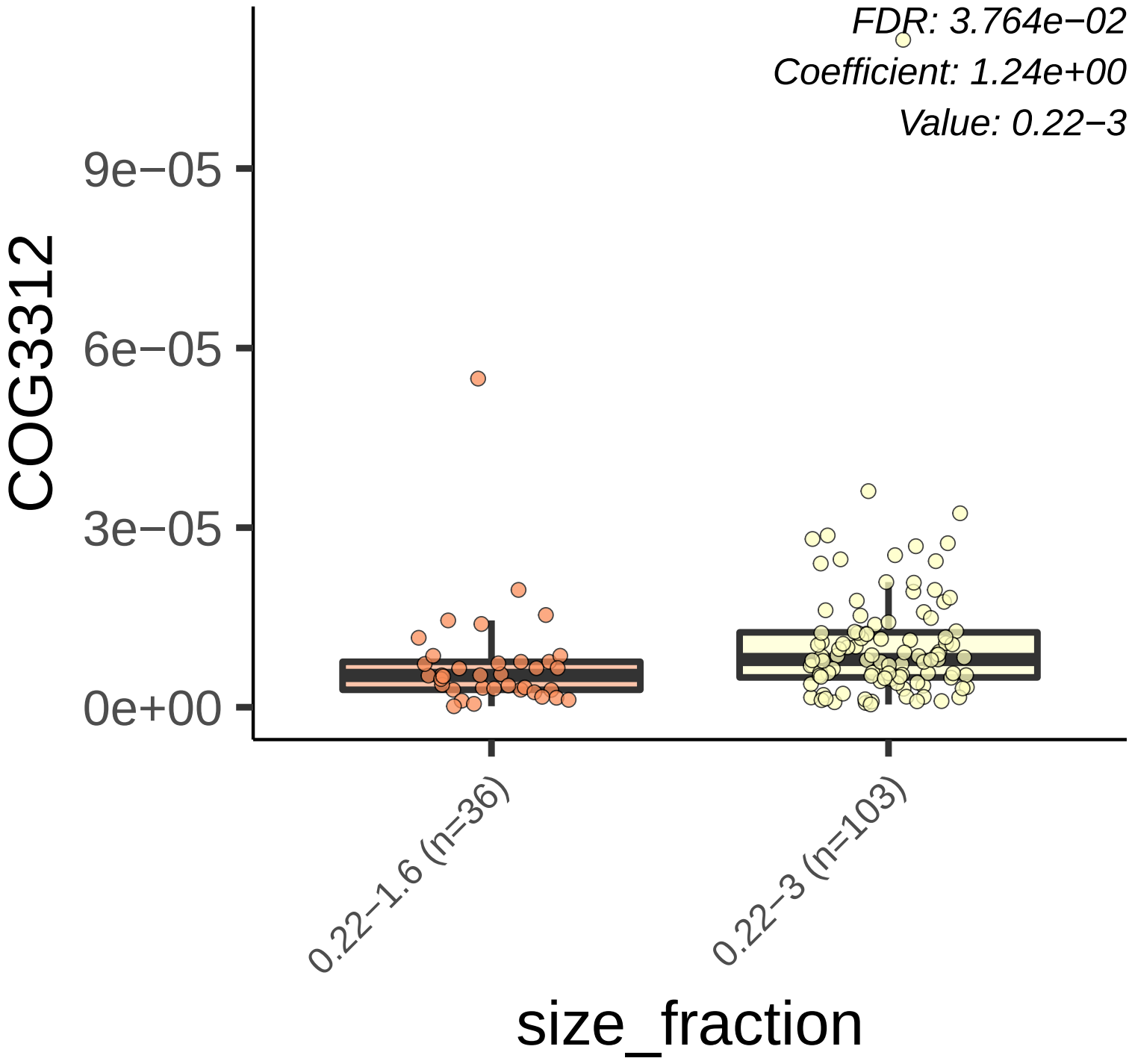

FDR: 3.712e−02
Coefficient: −7.41e−01
Value: 0.22−3
COG3864
0.000125
0.000100
0.000075
0.000050
0.000025
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

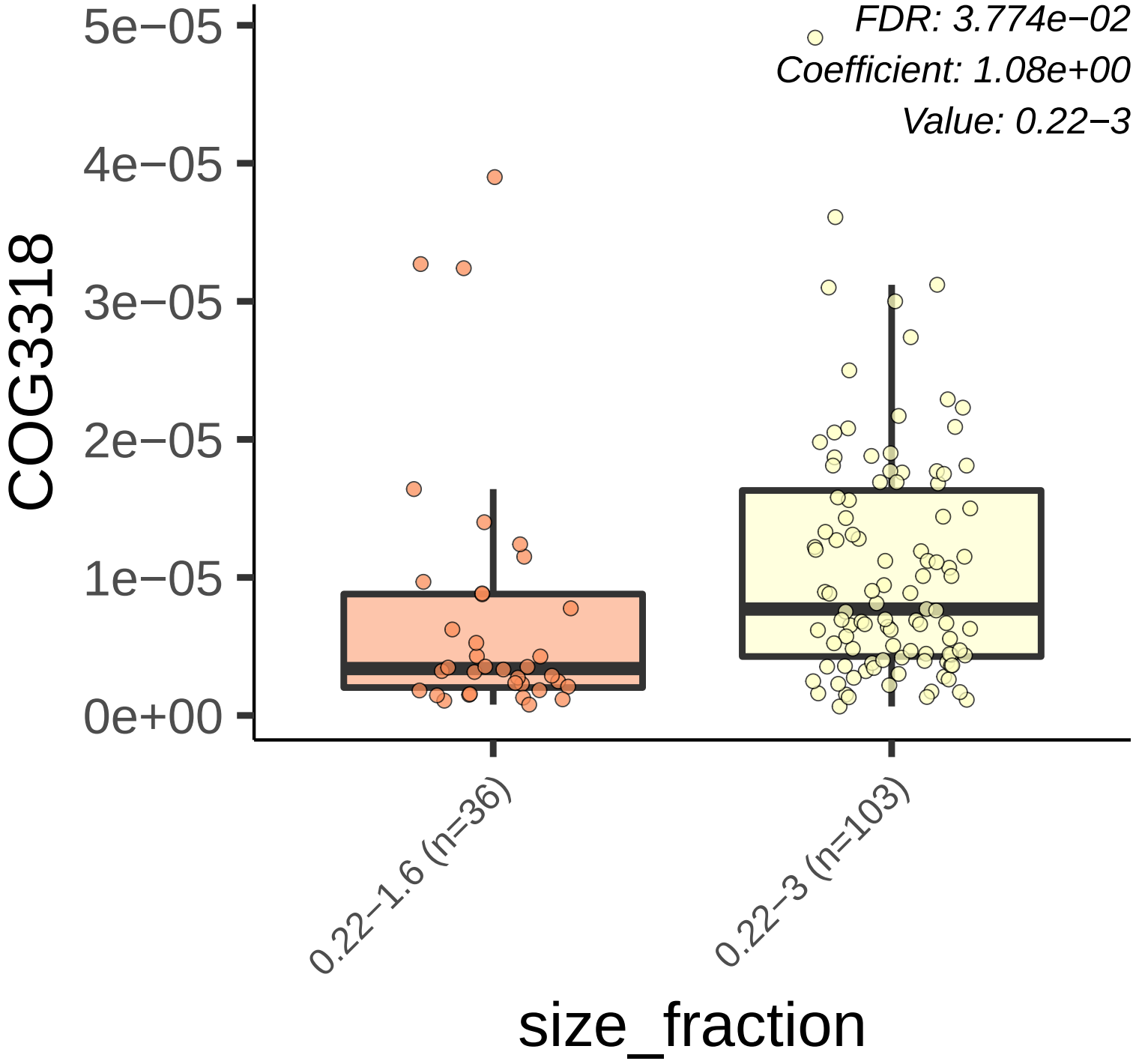

FDR: 3.736e−02
Coefficient: 3.38e+00
Value: 0.22−3
COG1602
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

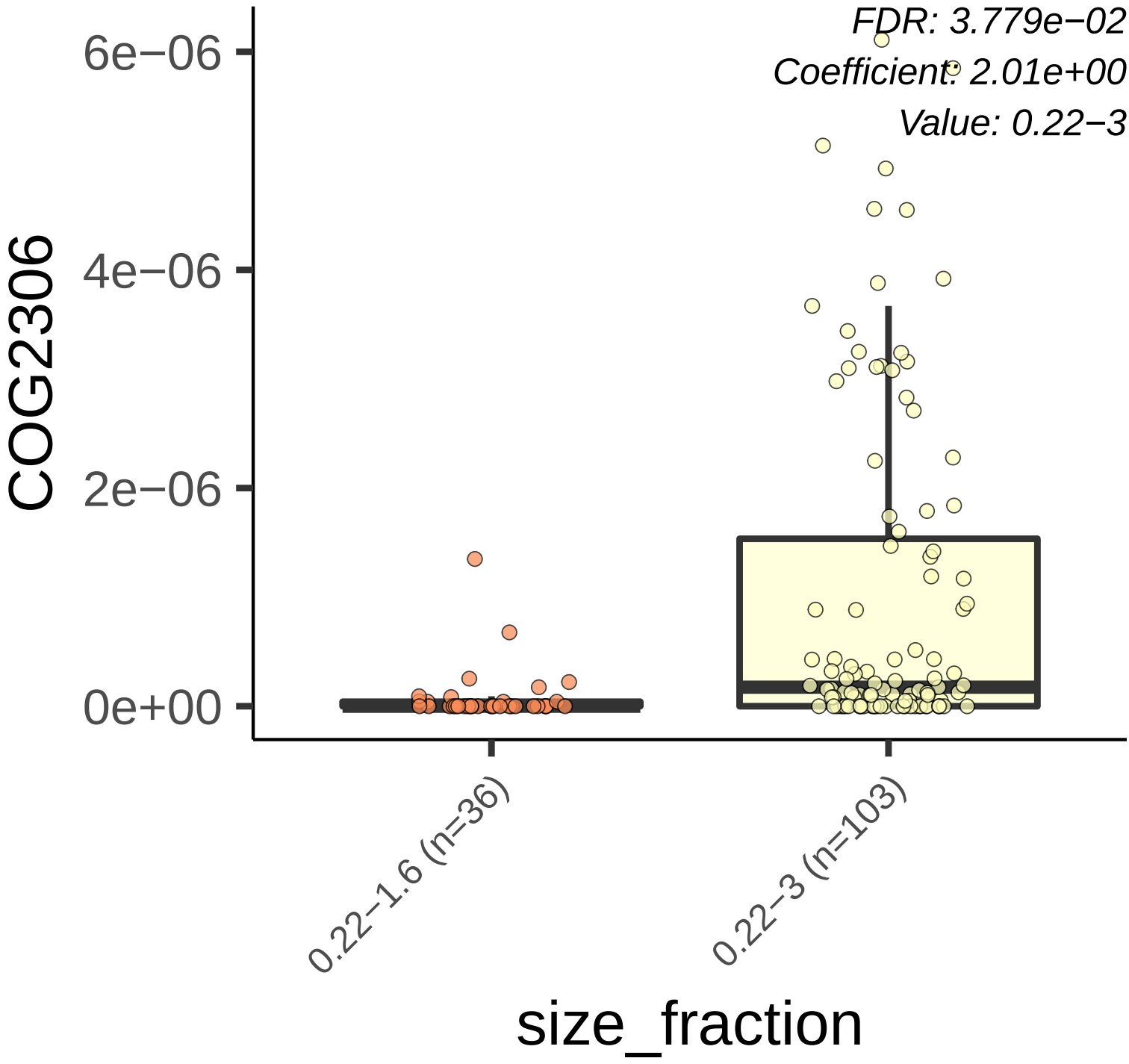

FDR: 3.739e−02
Coefficient: 2.02e+00
Value: 0.22−3
COG1781
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

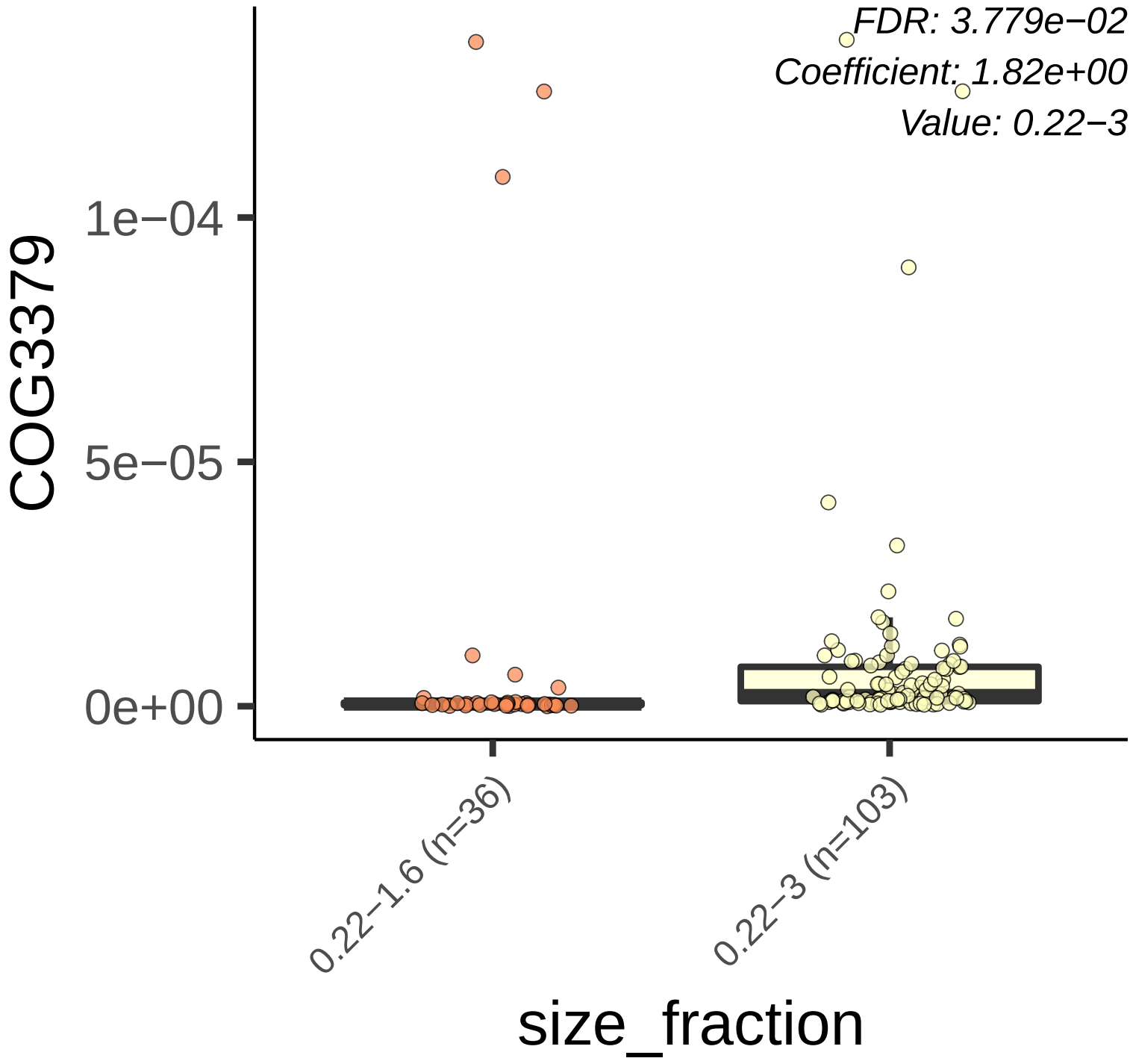

FDR: 3.754e−02
Coefficient: 2.39e+00
Value: 0.22−3
COG5401
3e−06
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

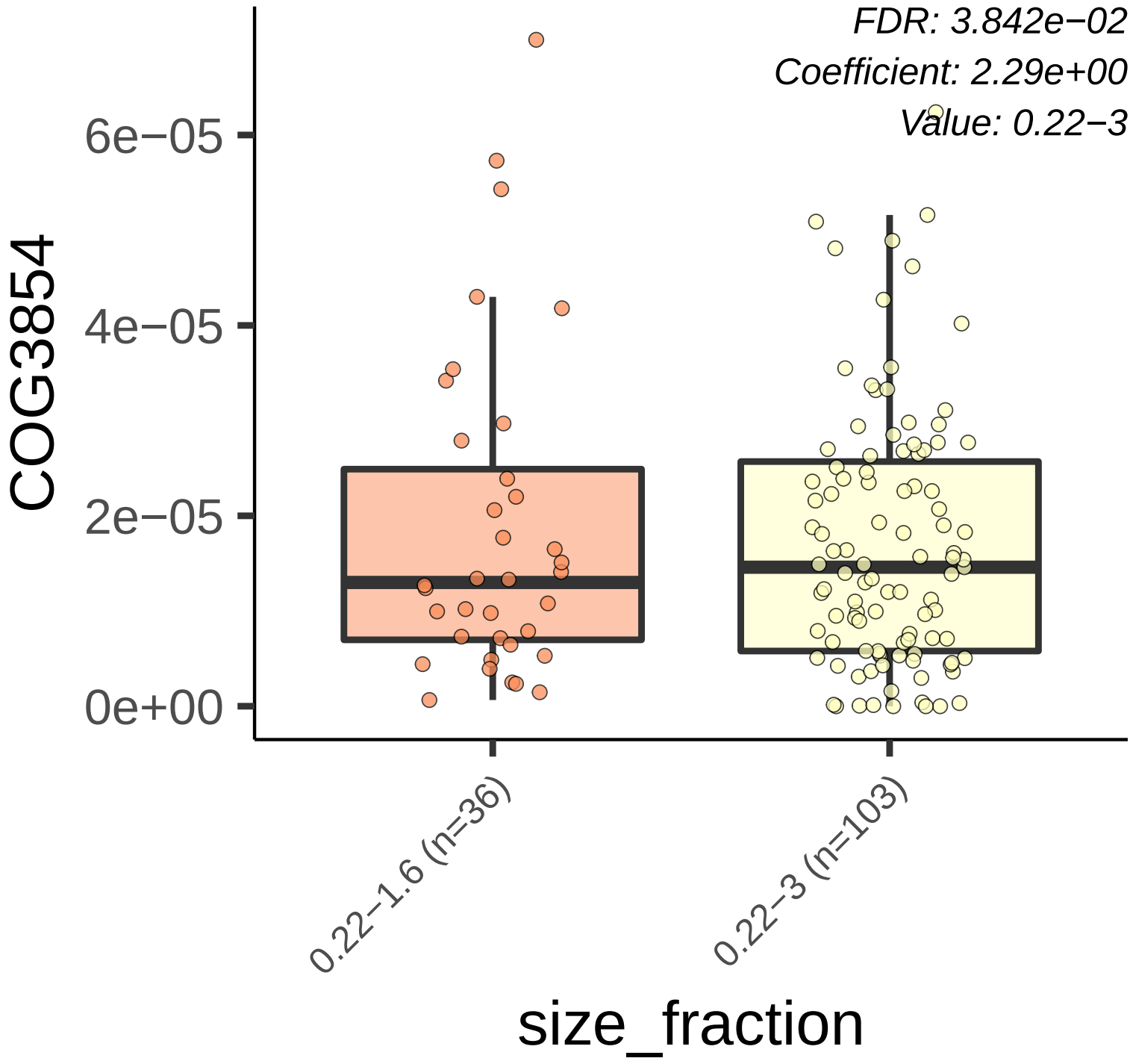

FDR: 3.757e−02
Coefficient: −6.72e−01
Value: 0.22−3
COG3306
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

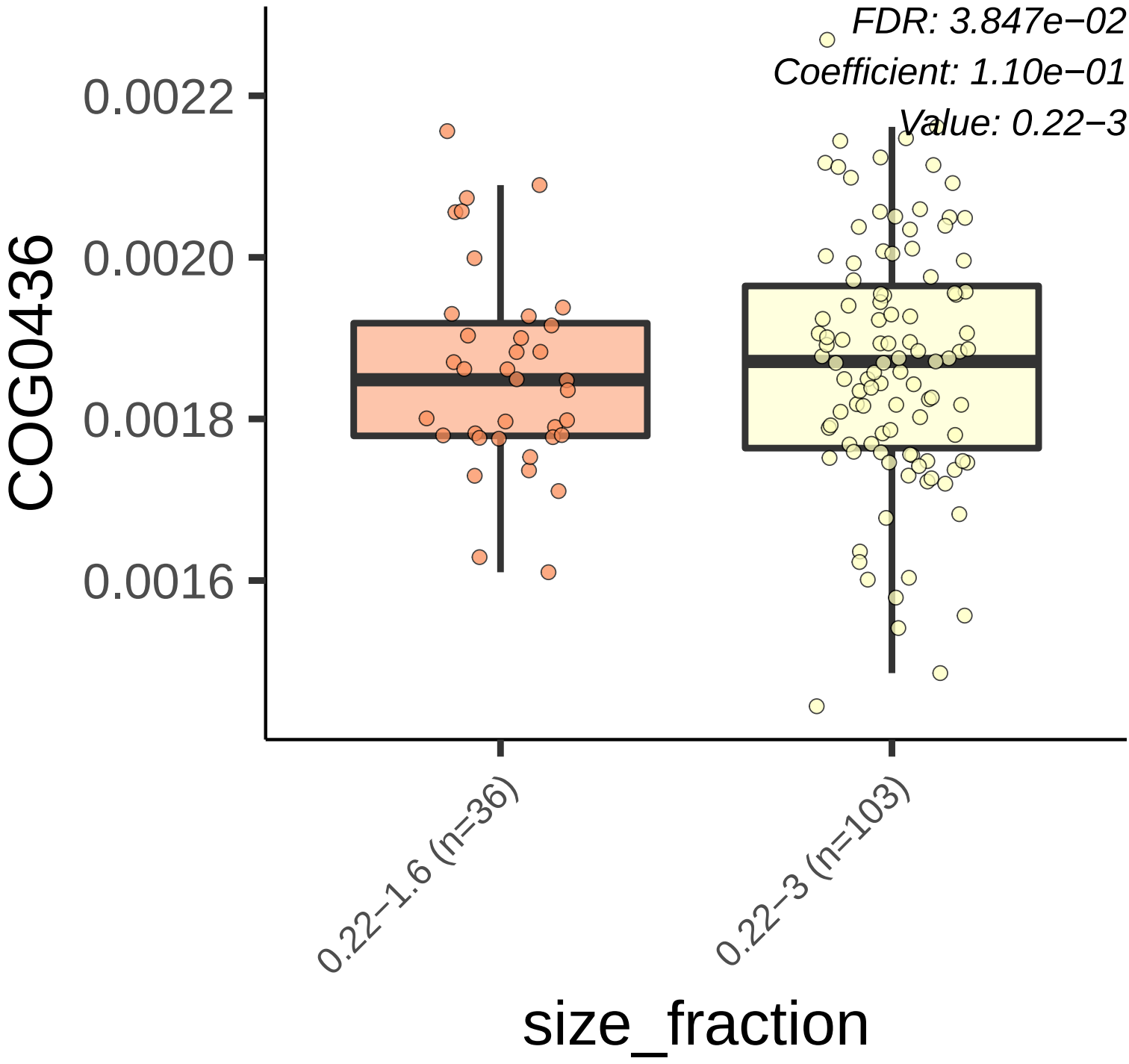

FDR: 3.764e−02
Coefficient: 1.24e+00
Value: 0.22−3
COG3312
9e−05
6e−05
3e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

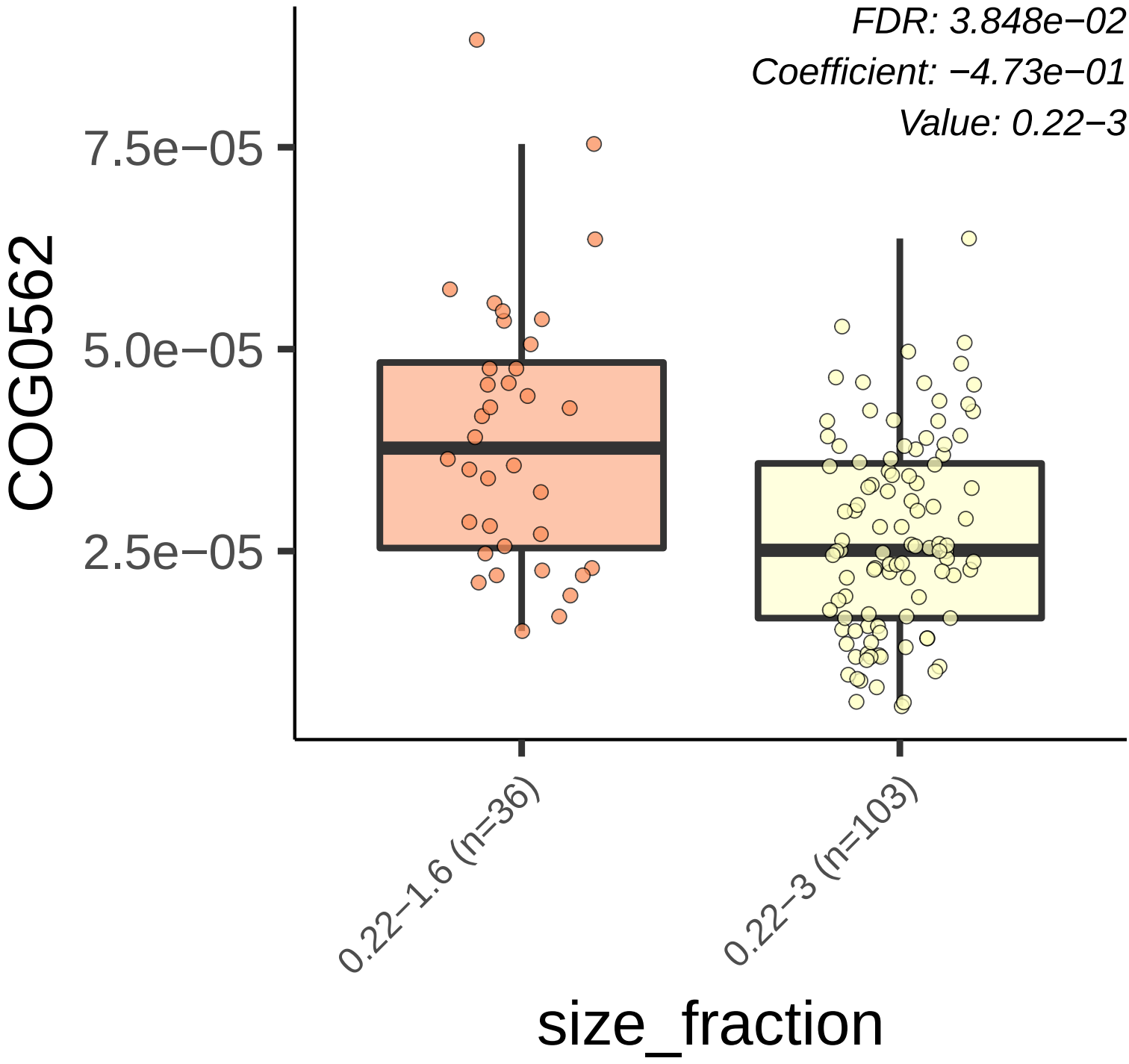

FDR: 3.774e−02
Coefficient: 1.08e+00
Value: 0.22−3
COG3318
5e−05
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

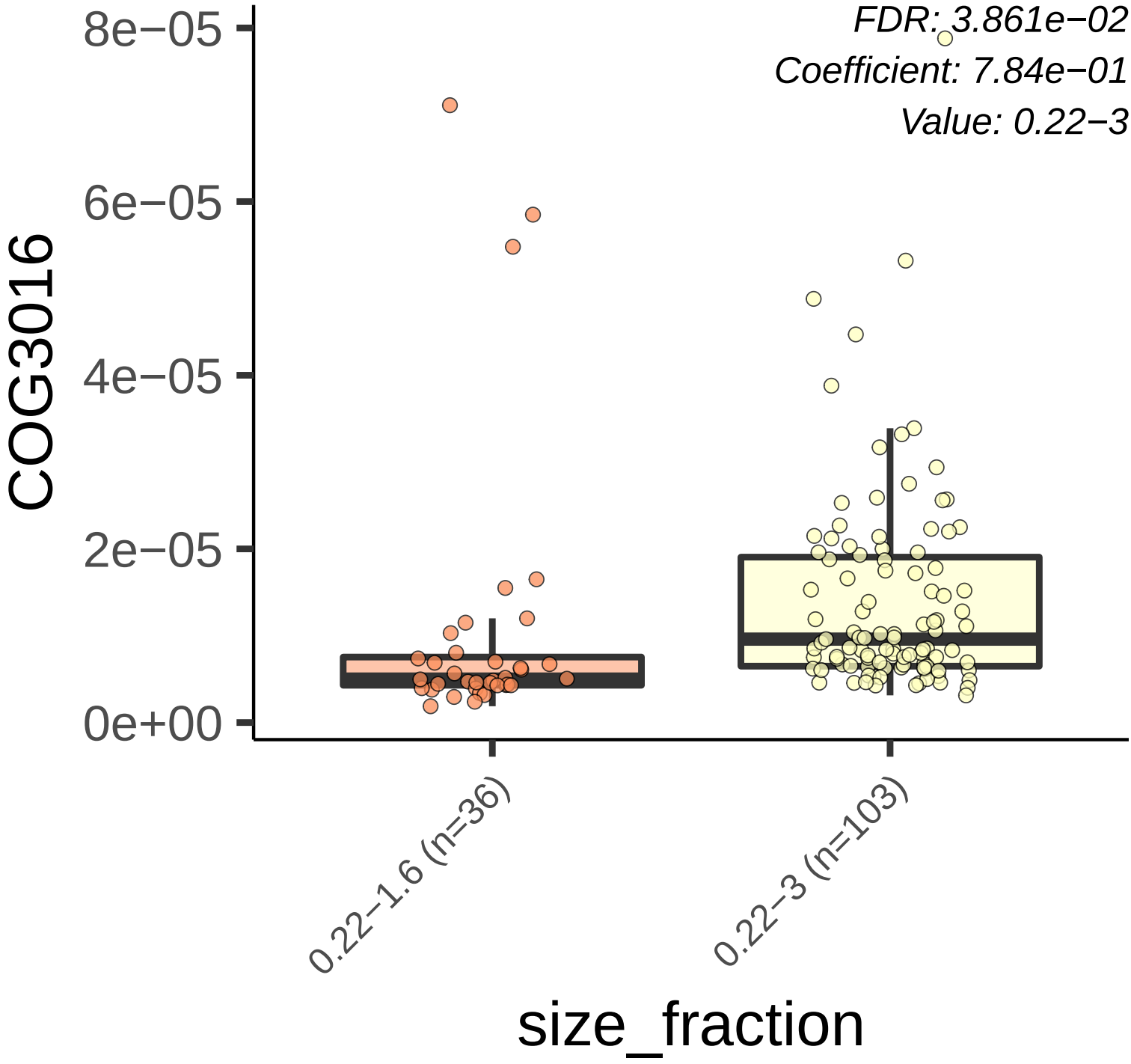

FDR: 3.779e−02
Coefficient: 2.01e+00
Value: 0.22−3
COG2306
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

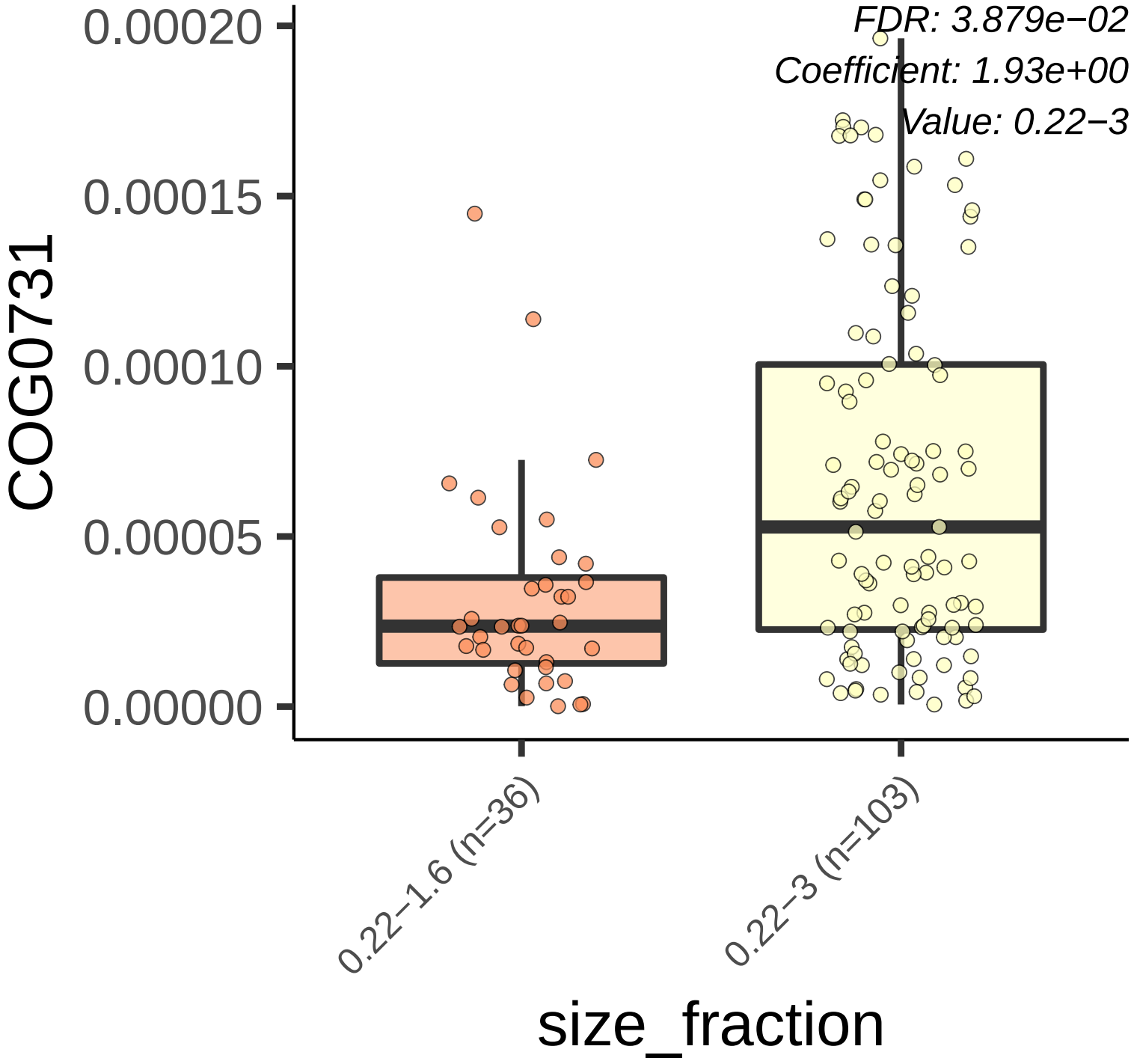

FDR: 3.779e−02
Coefficient: 1.82e+00
Value: 0.22−3
COG3379
1e−04
5e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

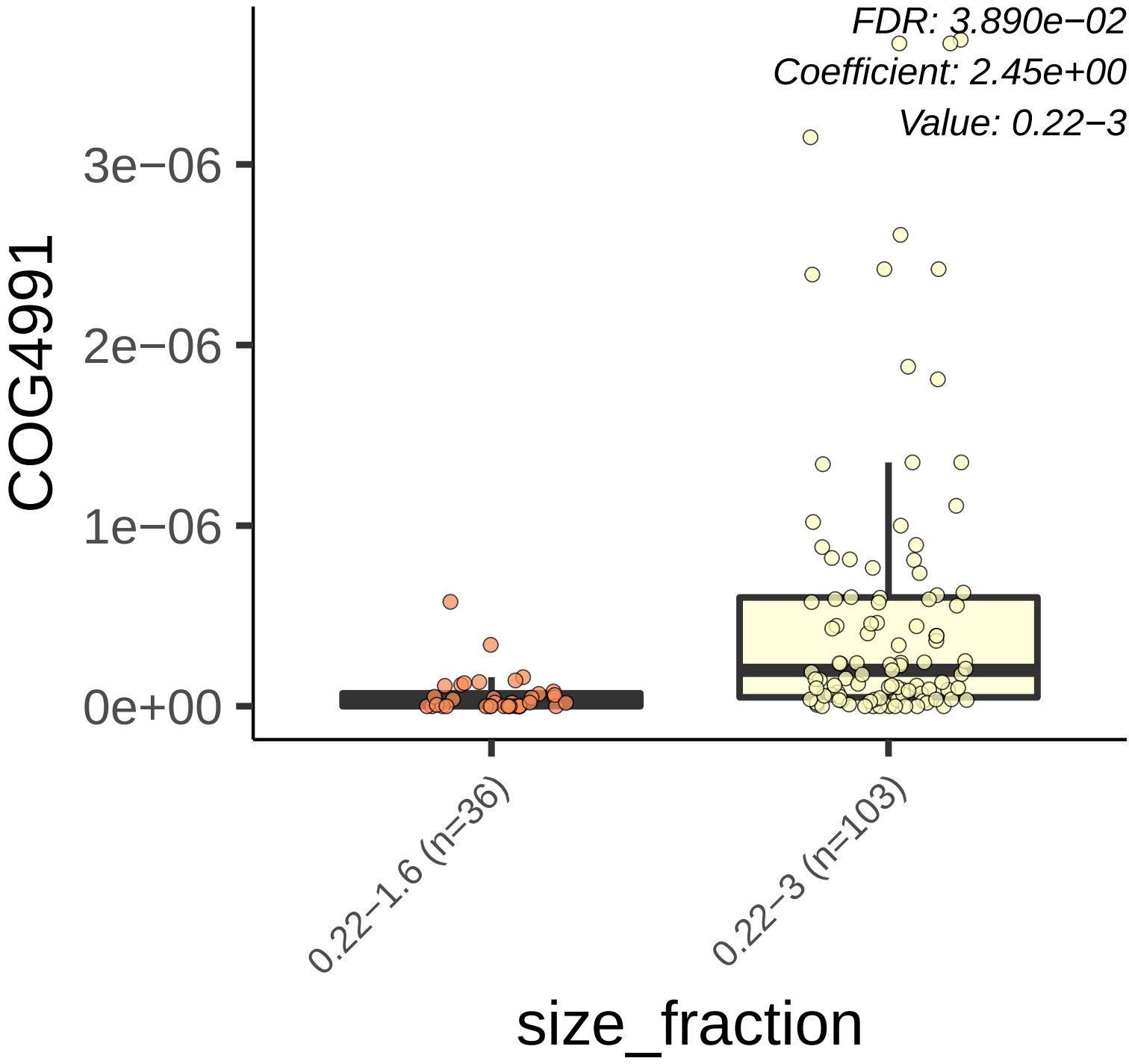

FDR: 3.842e−02
Coefficient: 2.29e+00
Value: 0.22−3
COG3854
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

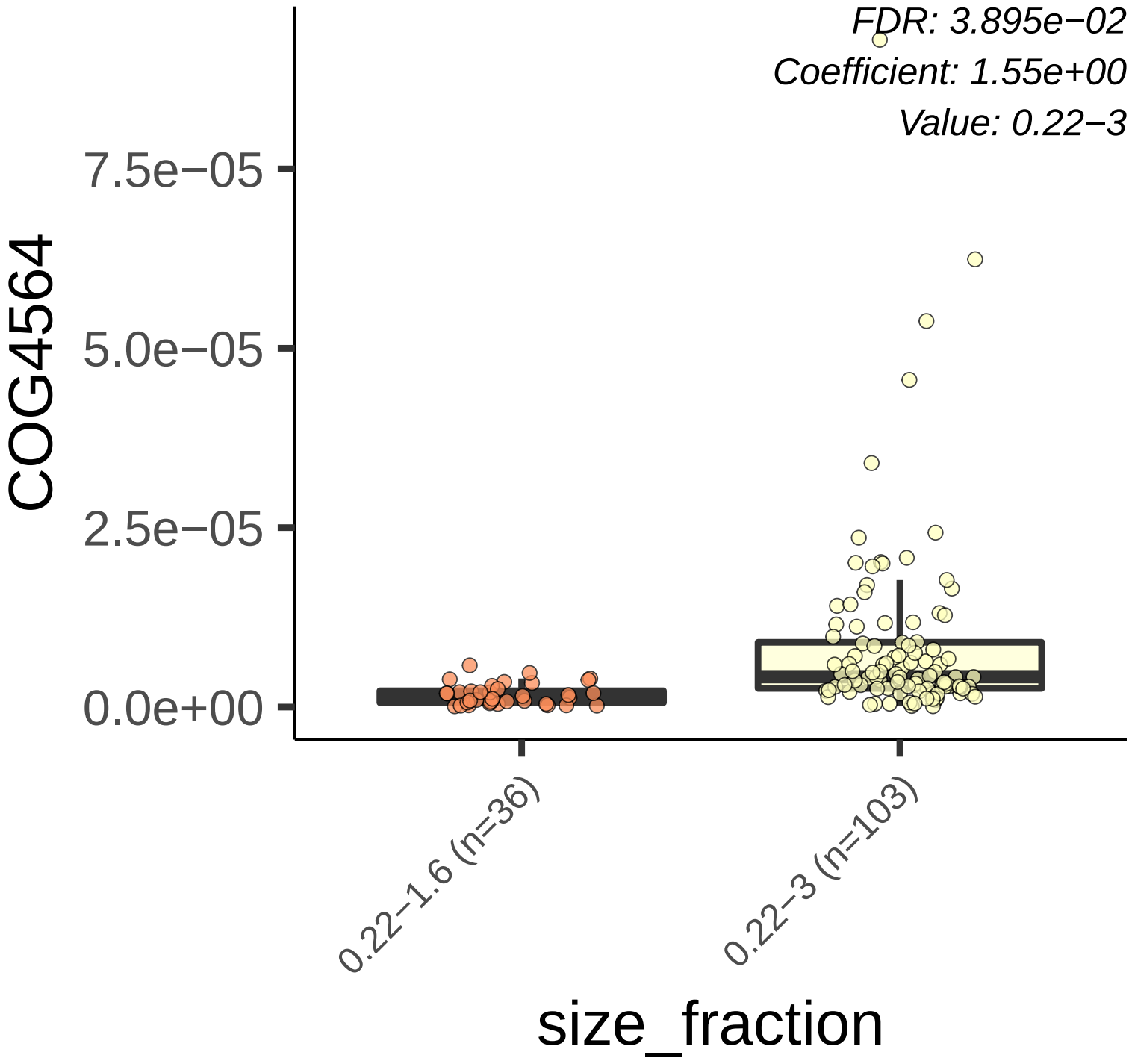

FDR: 3.847e−02
Coefficient: 1.10e−01
Value: 0.22−3
COG0436
0.0022
0.0020
0.0018
0.0016
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

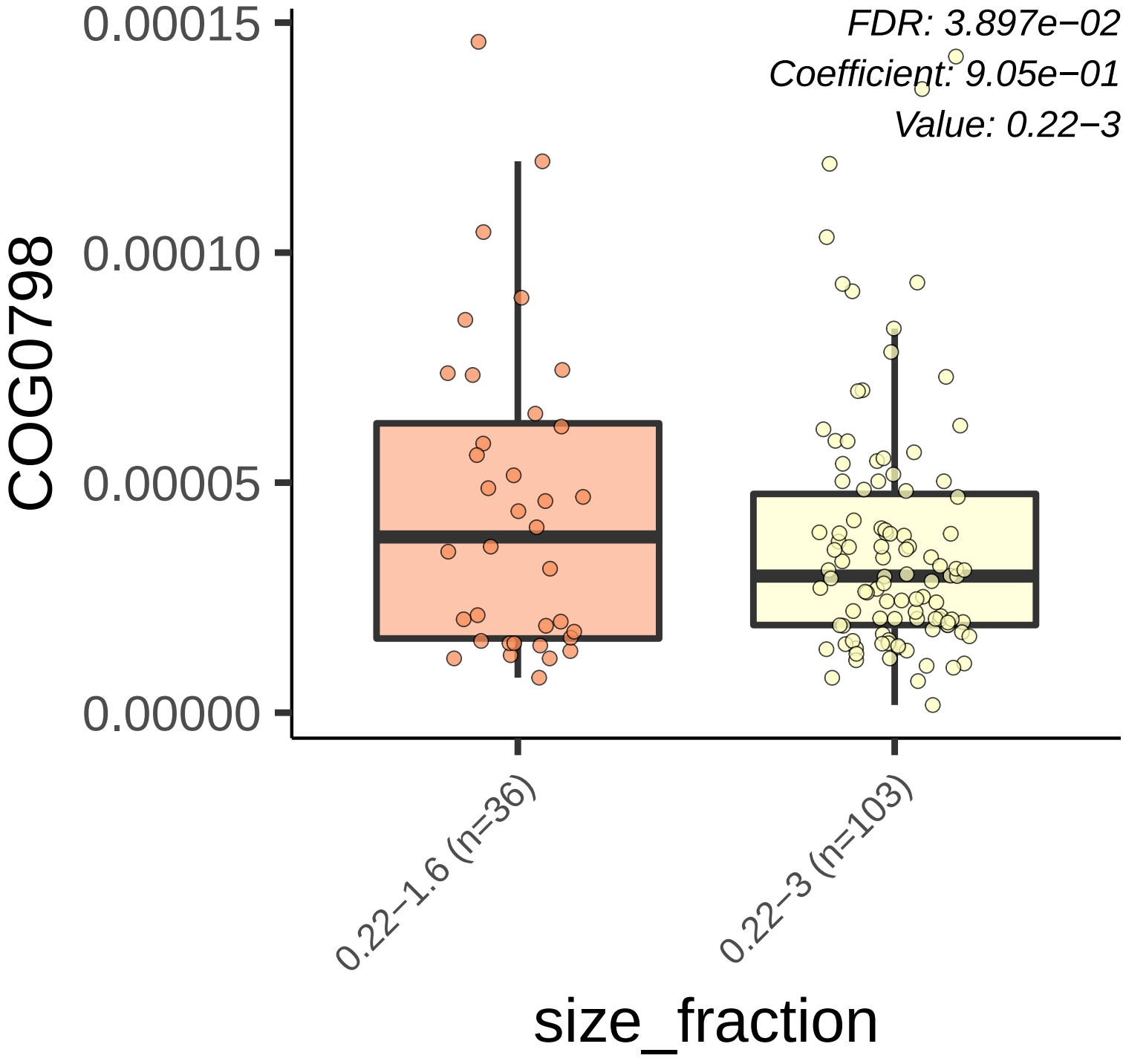

FDR: 3.848e−02
Coefficient: −4.73e−01
Value: 0.22−3
COG0562
7.5e−05
5.0e−05
2.5e−05
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

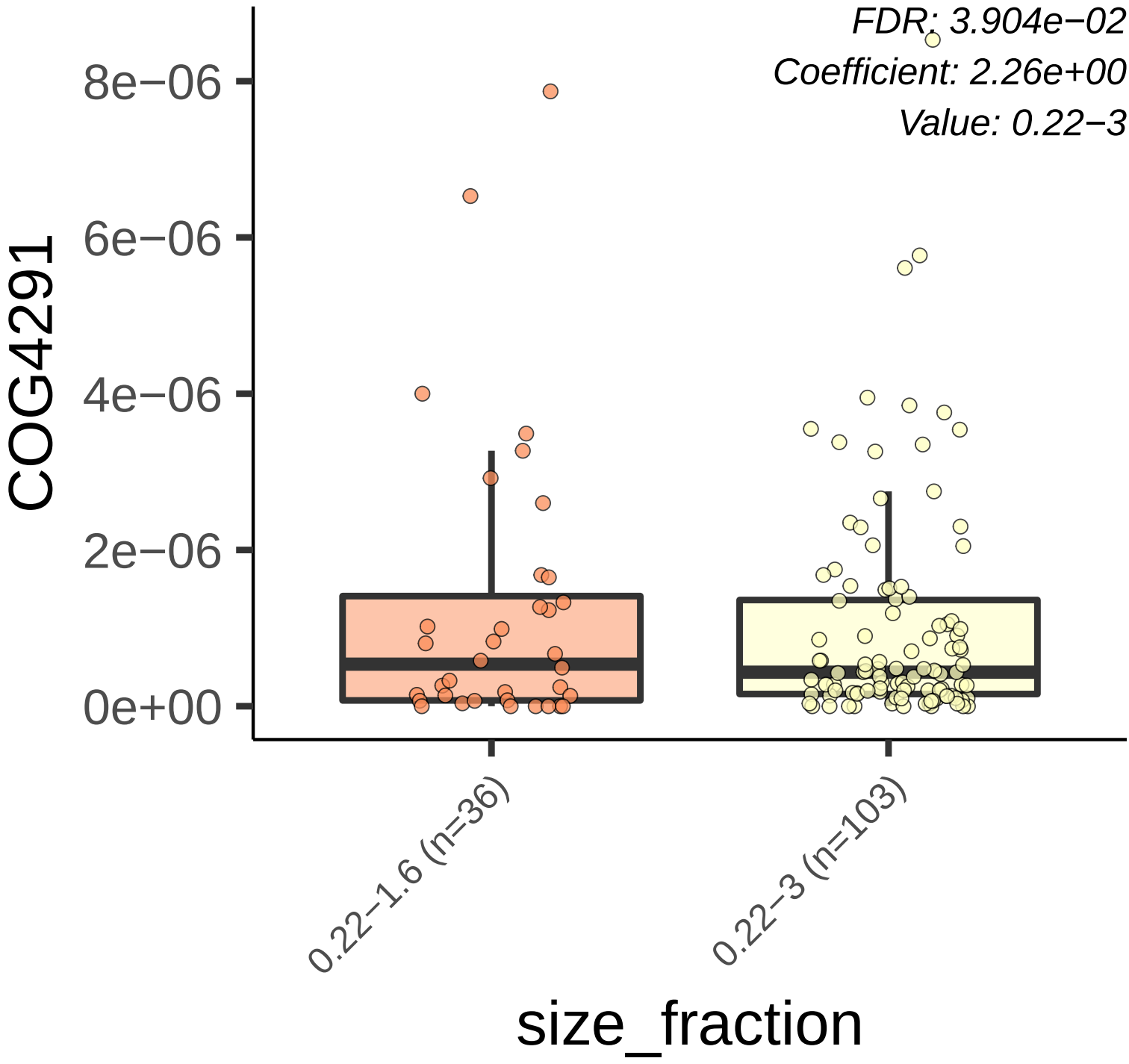

FDR: 3.861e−02
Coefficient: 7.84e−01
Value: 0.22−3
COG3016
8e−05
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

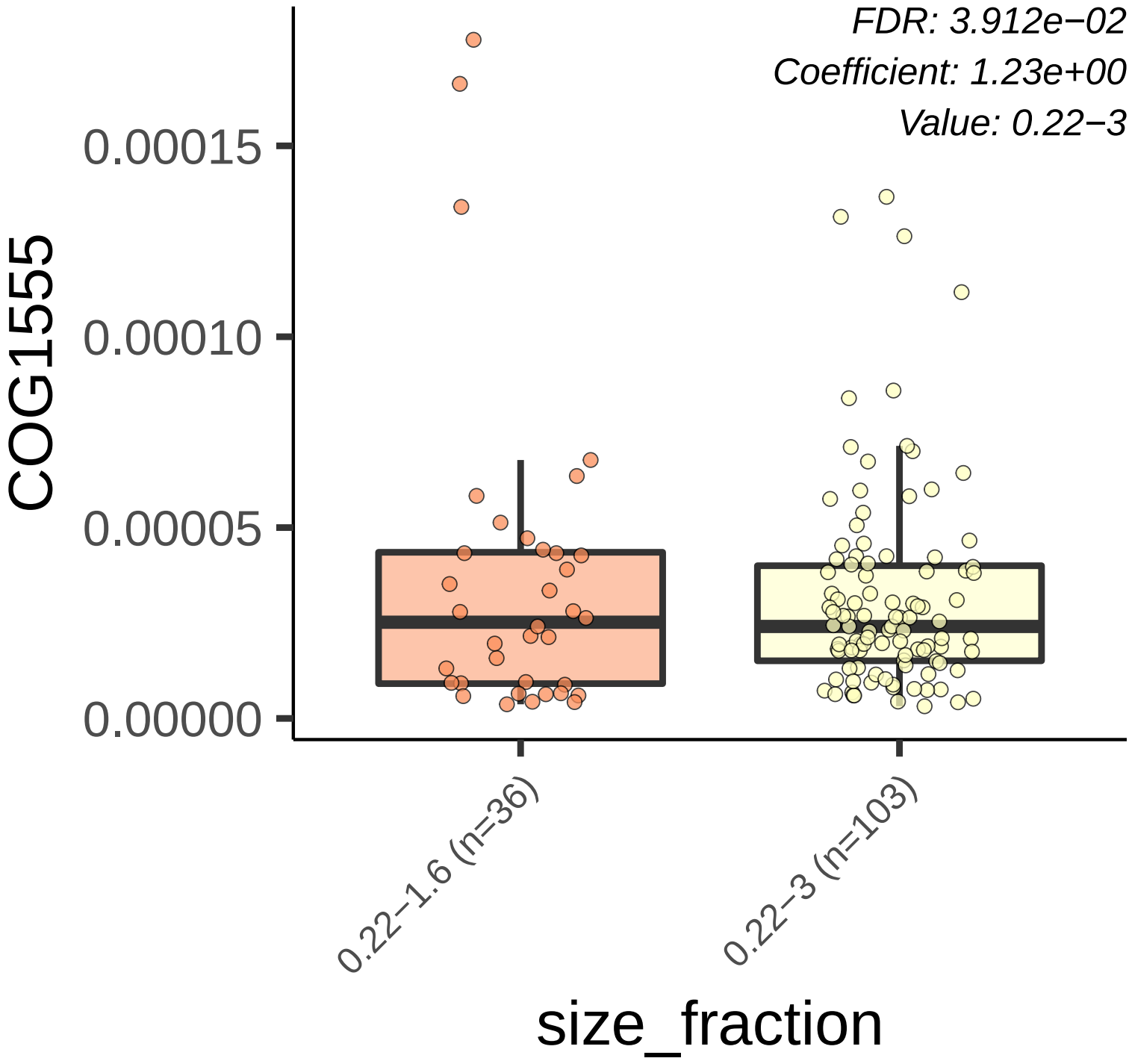

FDR: 3.879e−02
Coefficient: 1.93e+00
Value: 0.22−3
COG0731
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

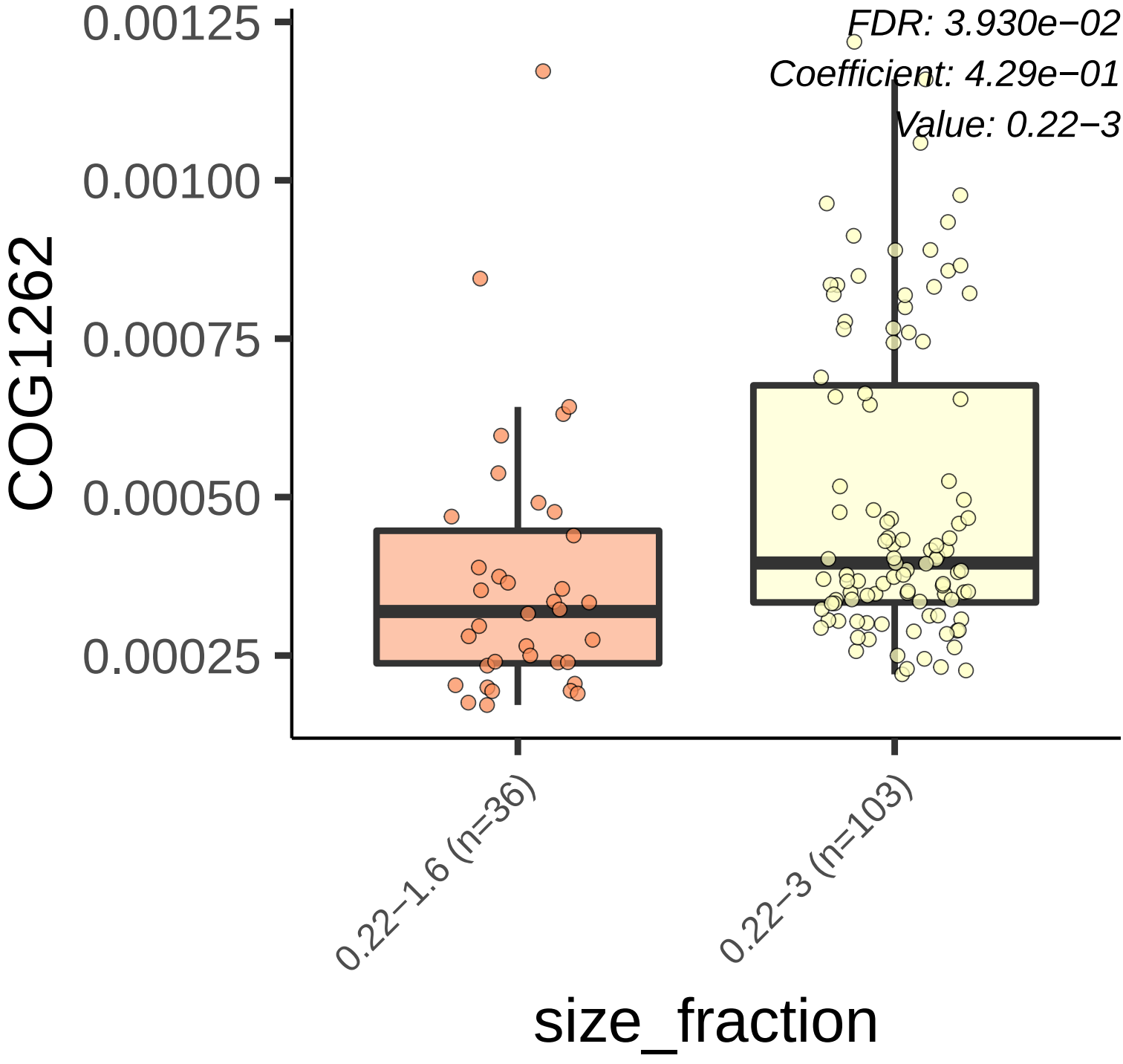

FDR: 3.890e−02
Coefficient: 2.45e+00
Value: 0.22−3
COG4991
3e−06
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

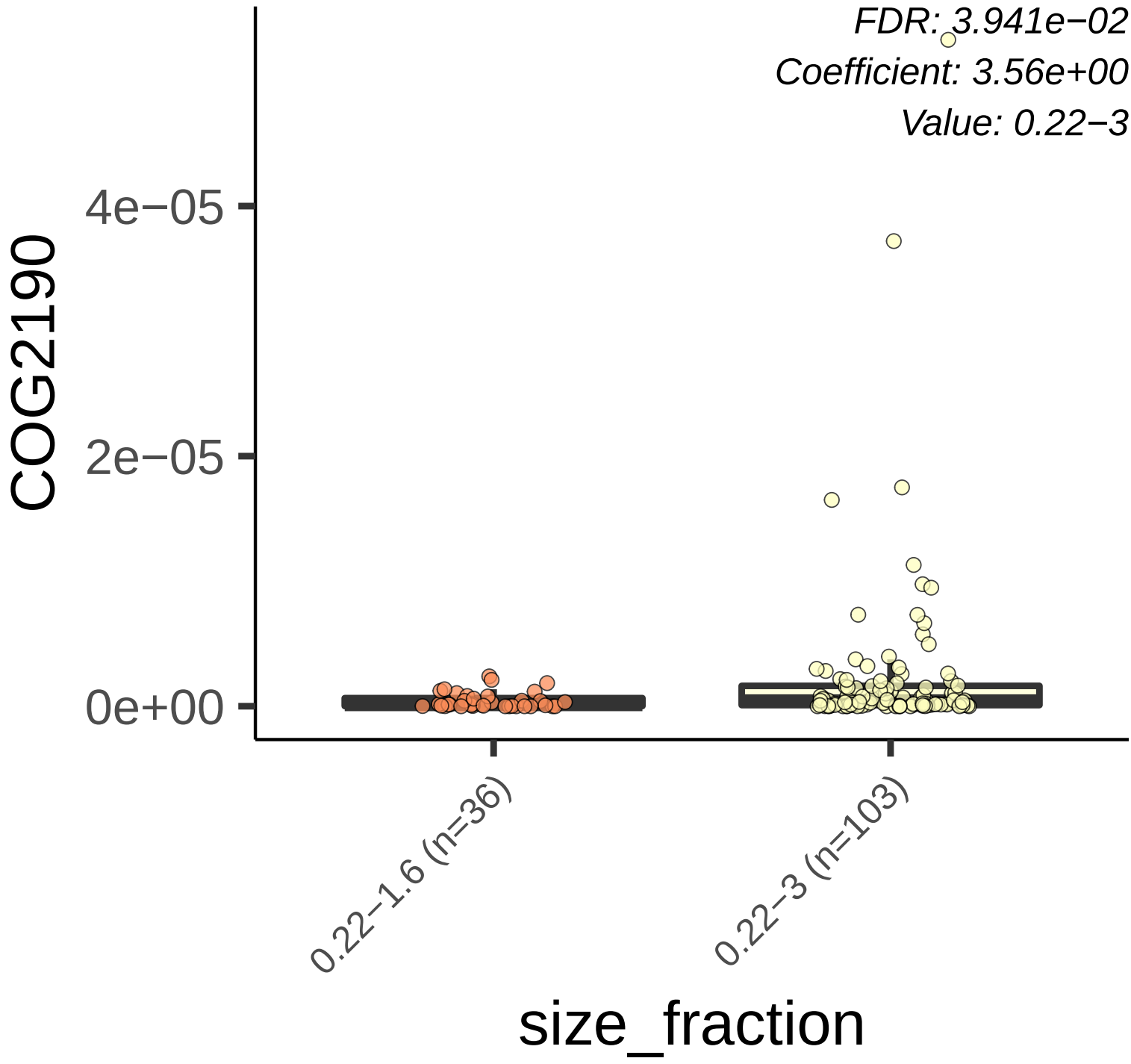

FDR: 3.895e−02
Coefficient: 1.55e+00
Value: 0.22−3
COG4564
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

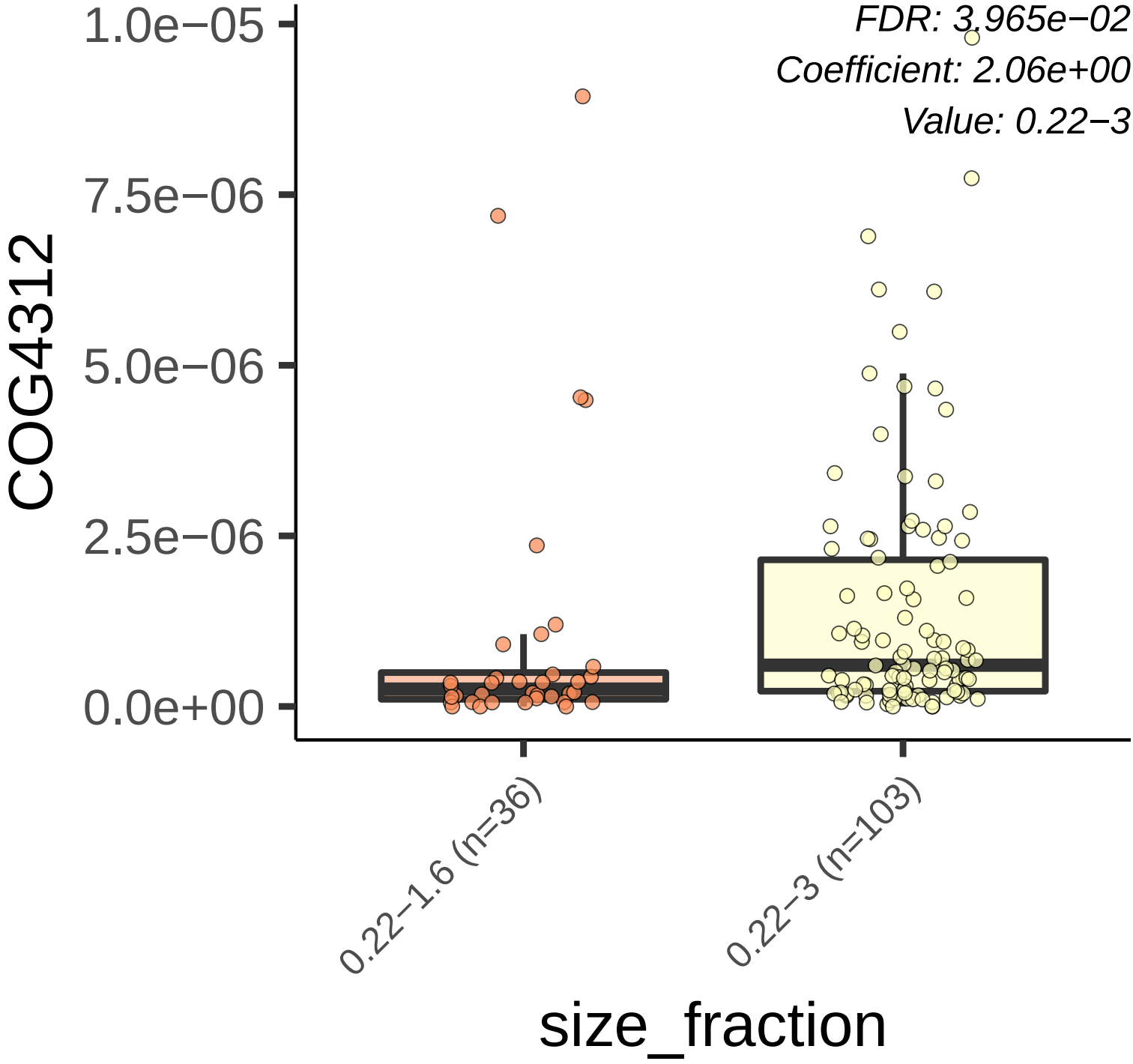

FDR: 3.897e−02
Coefficient: 9.05e−01
Value: 0.22−3
COG0798
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

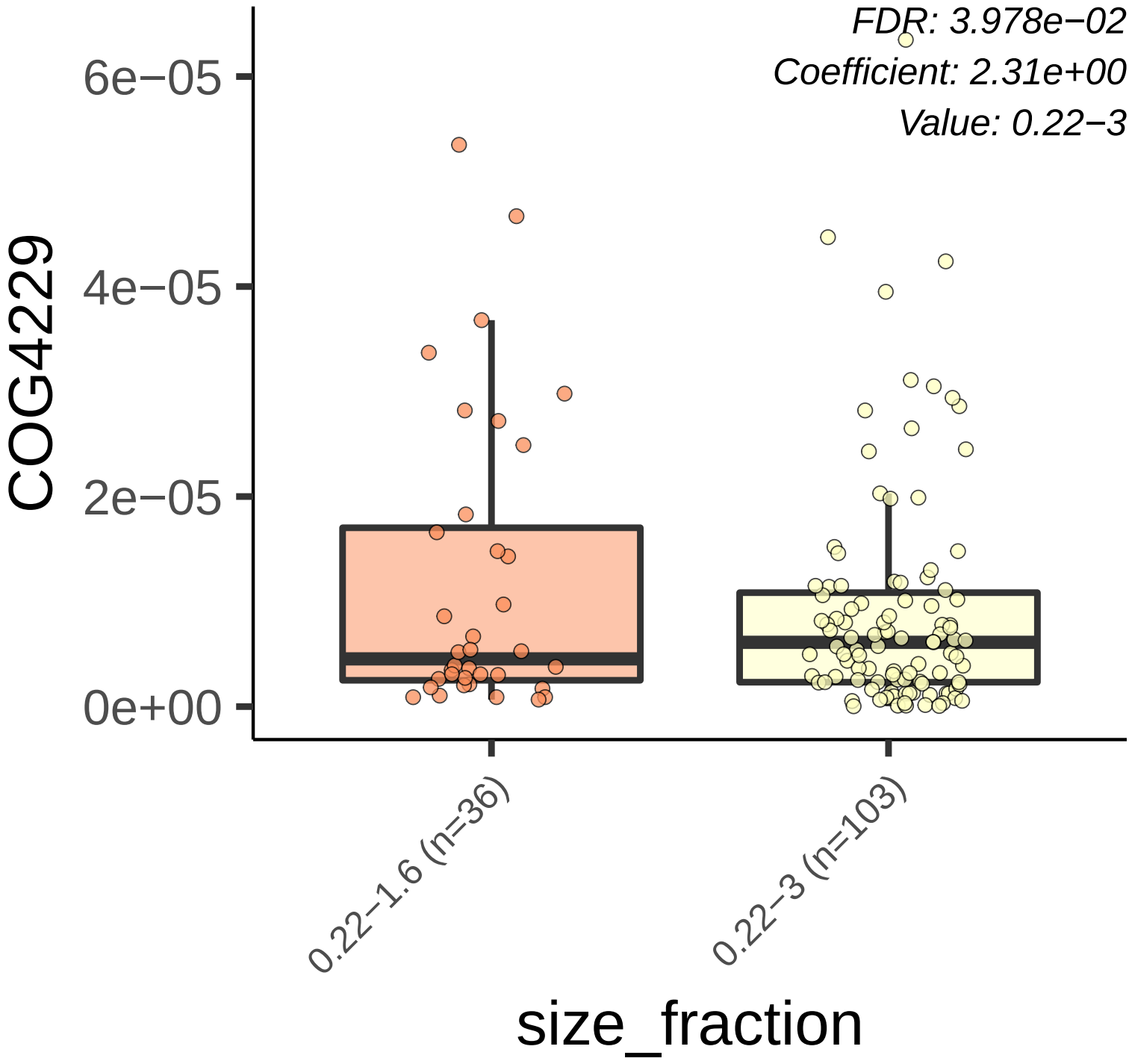

FDR: 3.904e−02
Coefficient: 2.26e+00
Value: 0.22−3
COG4291
8e−06
6e−06
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

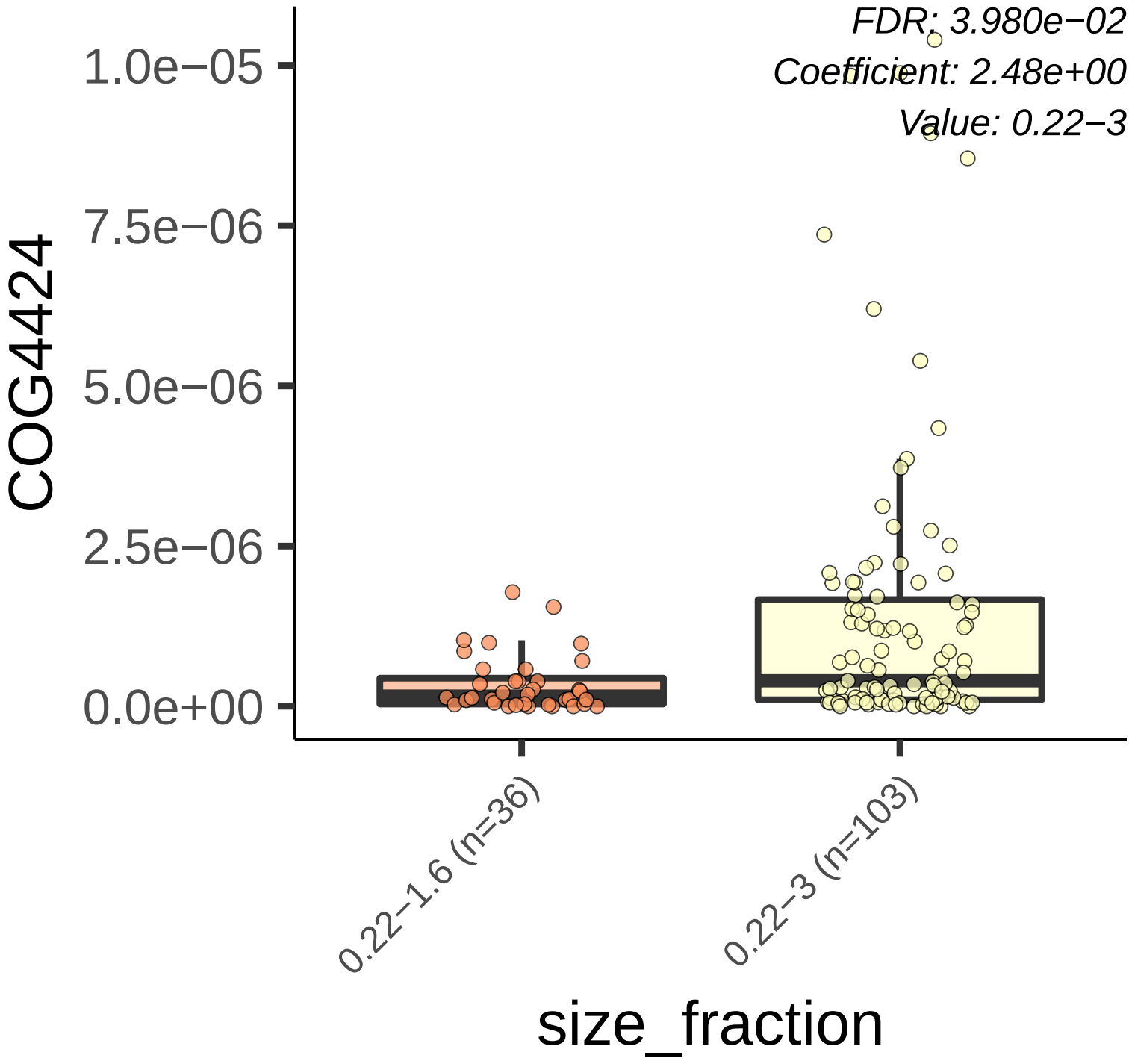

FDR: 3.912e−02
Coefficient: 1.23e+00
Value: 0.22−3
COG1555
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

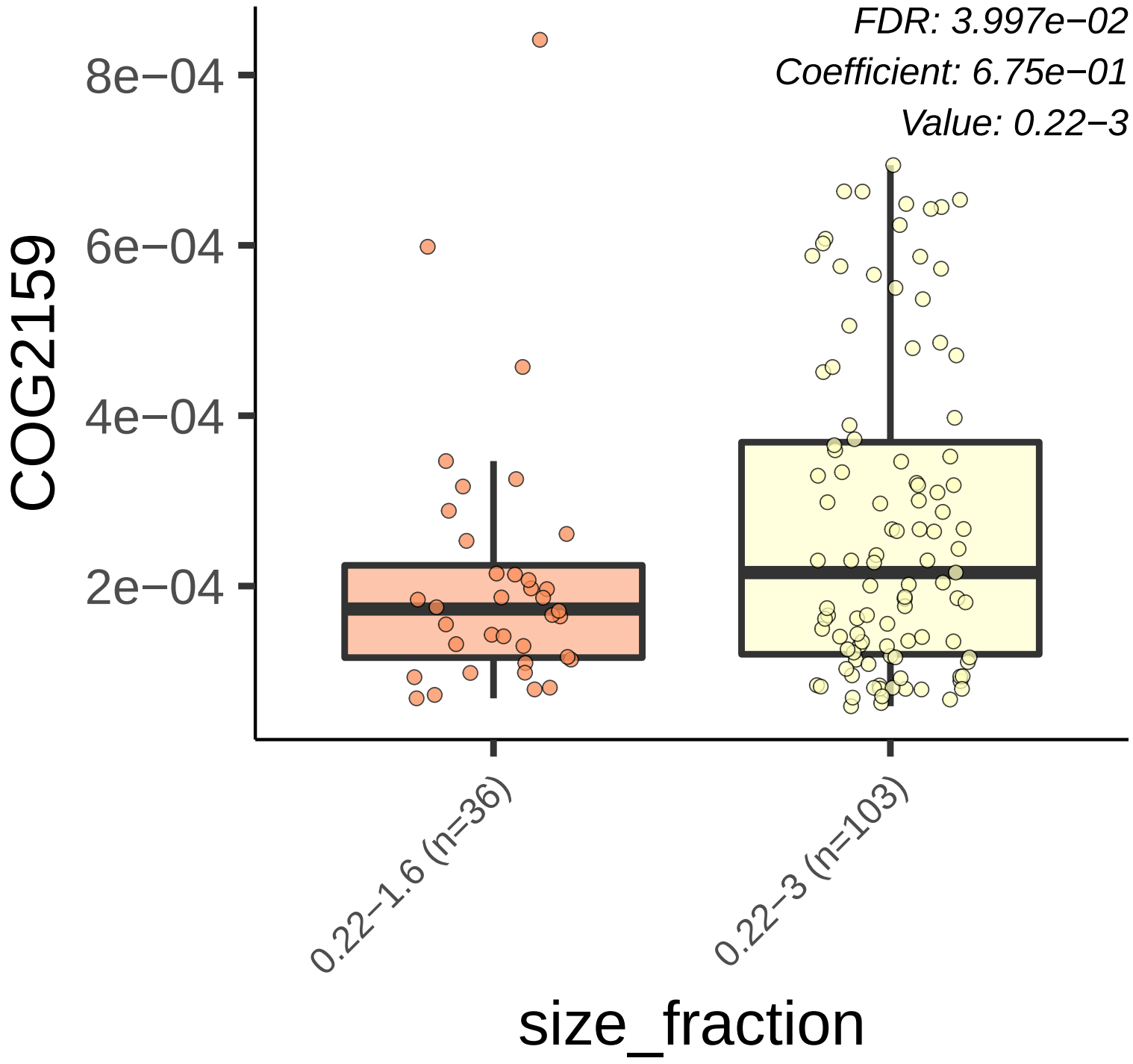

FDR: 3.930e−02
Coefficient: 4.29e−01
Value: 0.22−3
0.00125
0.00100
0.00075
0.00050
0.00025
COG1262
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

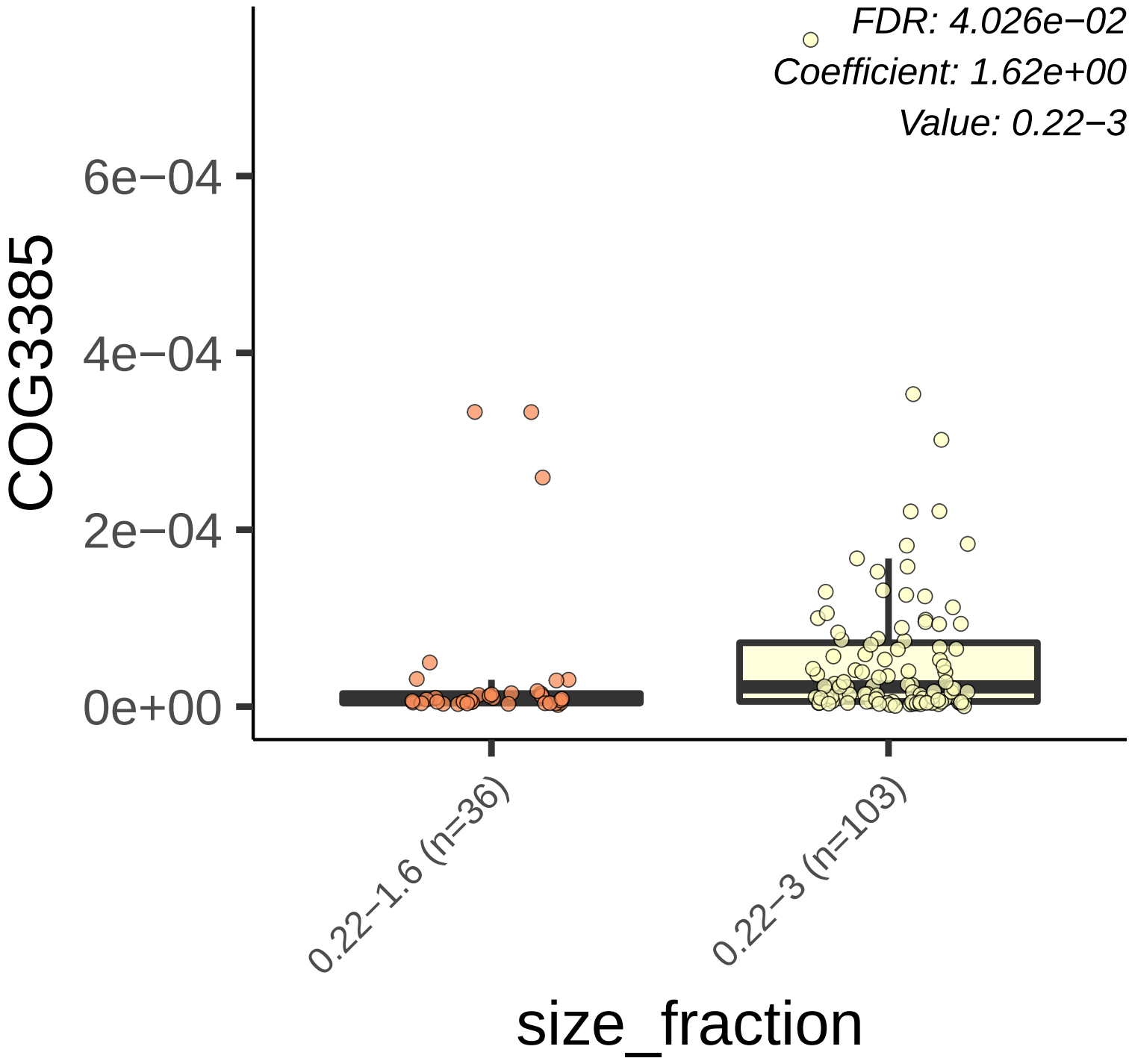

FDR: 3.941e−02
Coefficient: 3.56e+00
Value: 0.22−3
COG2190
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

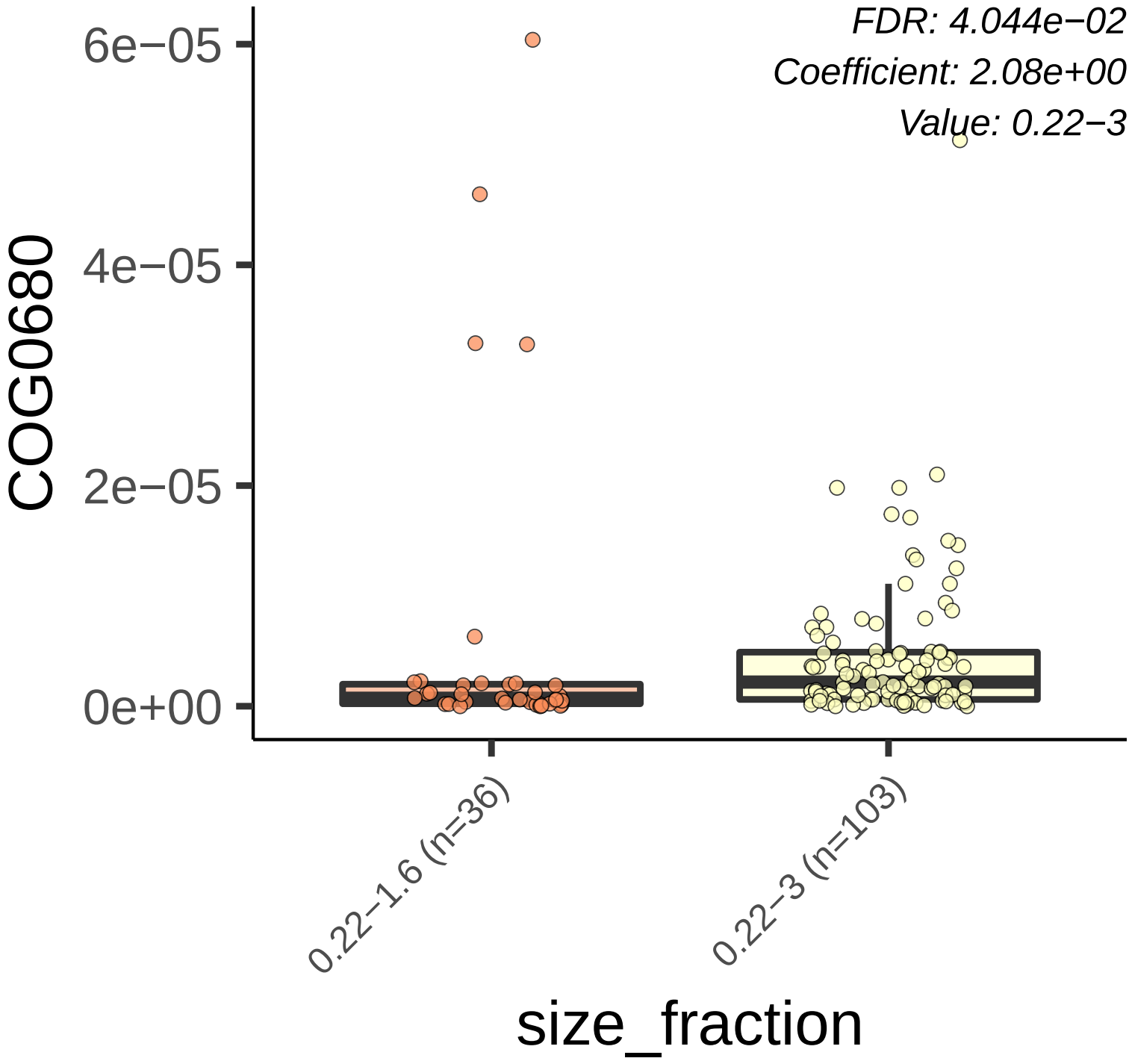

FDR: 3.965e−02
Coefficient: 2.06e+00
Value: 0.22−3
COG4312
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

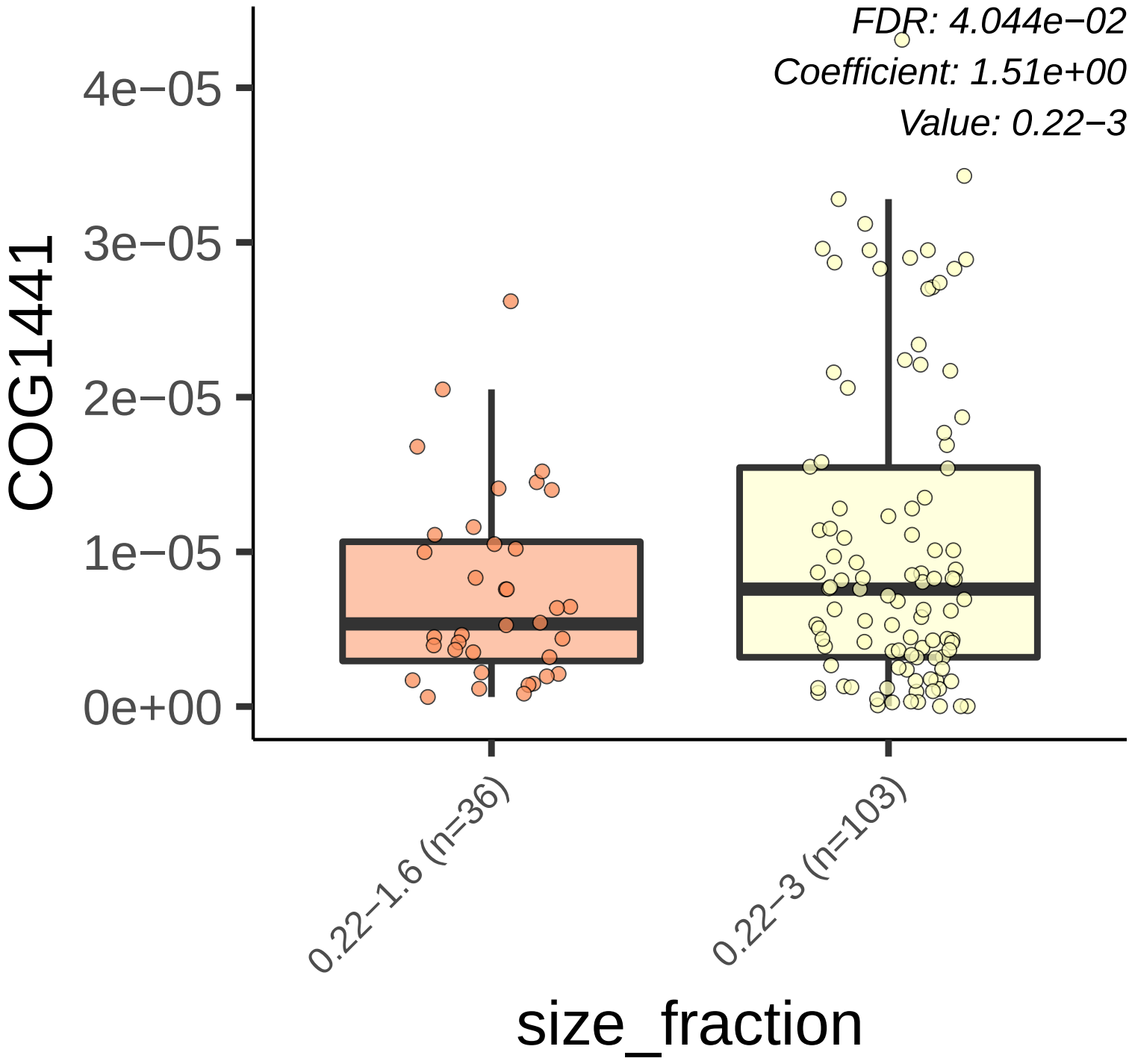

FDR: 3.978e−02
Coefficient: 2.31e+00
Value: 0.22−3
COG4229
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

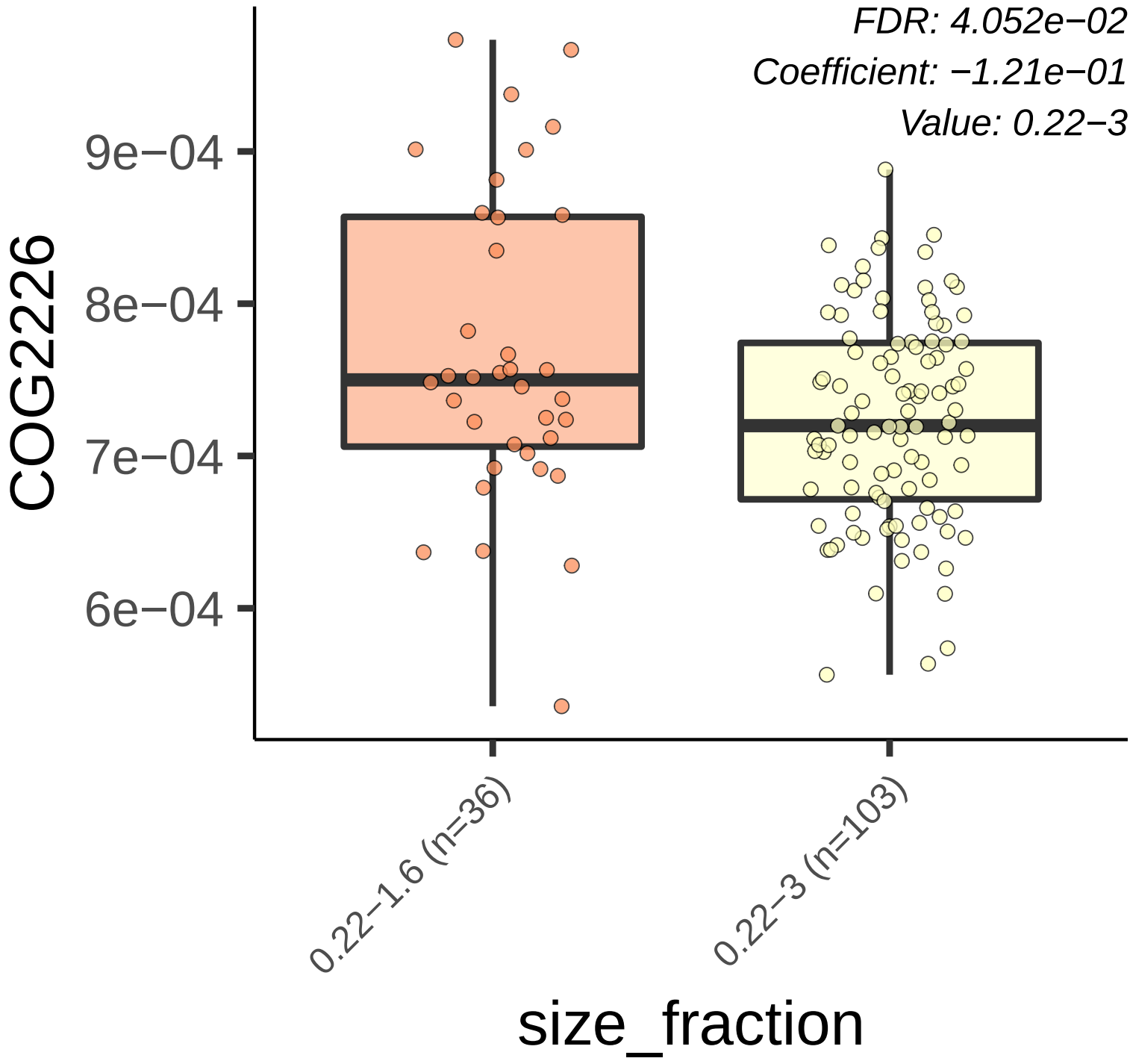

FDR: 3.980e−02
Coefficient: 2.48e+00
Value: 0.22−3
COG4424
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

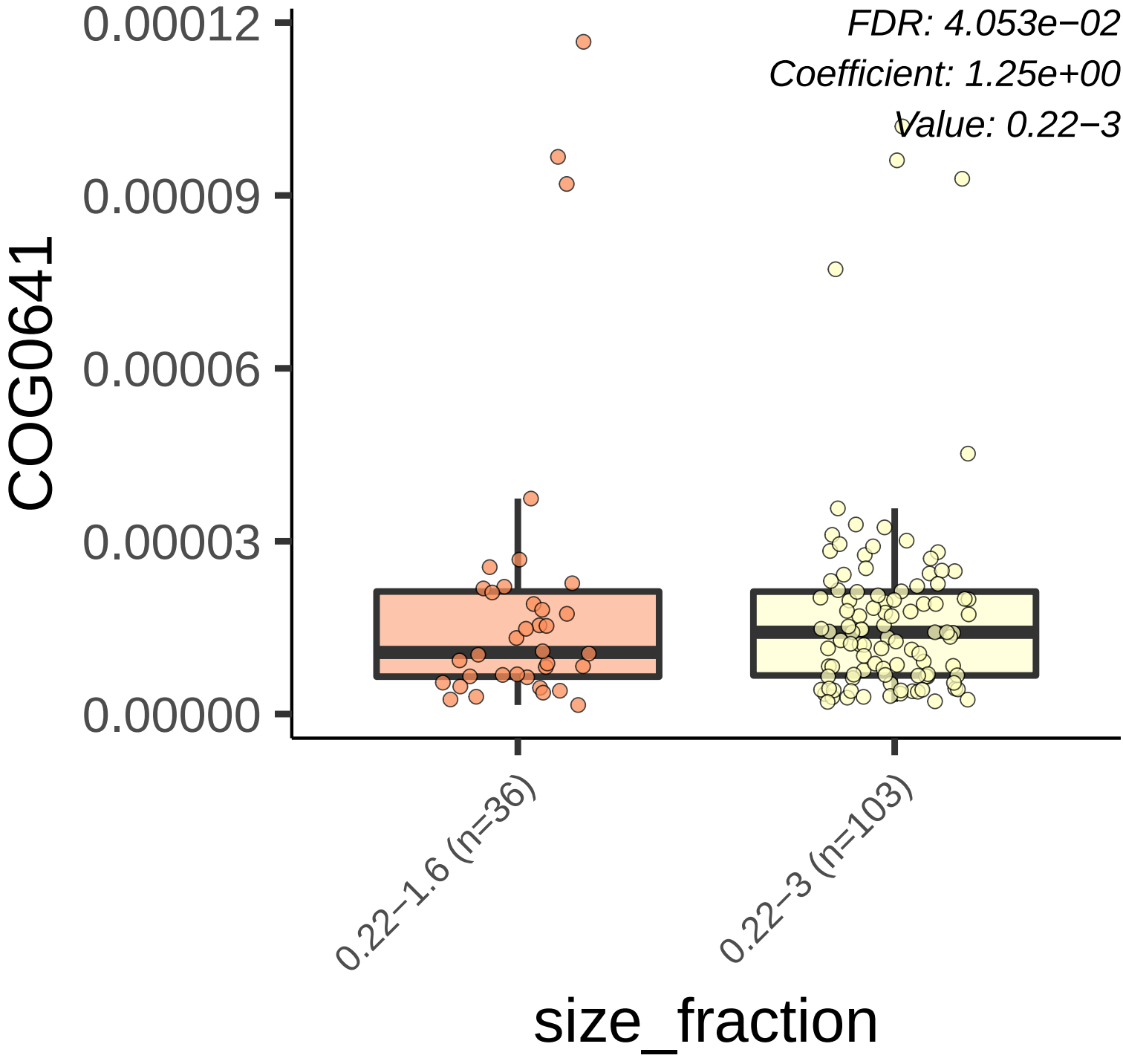

FDR: 3.997e−02
Coefficient: 6.75e−01
Value: 0.22−3
COG2159
8e−04
6e−04
4e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

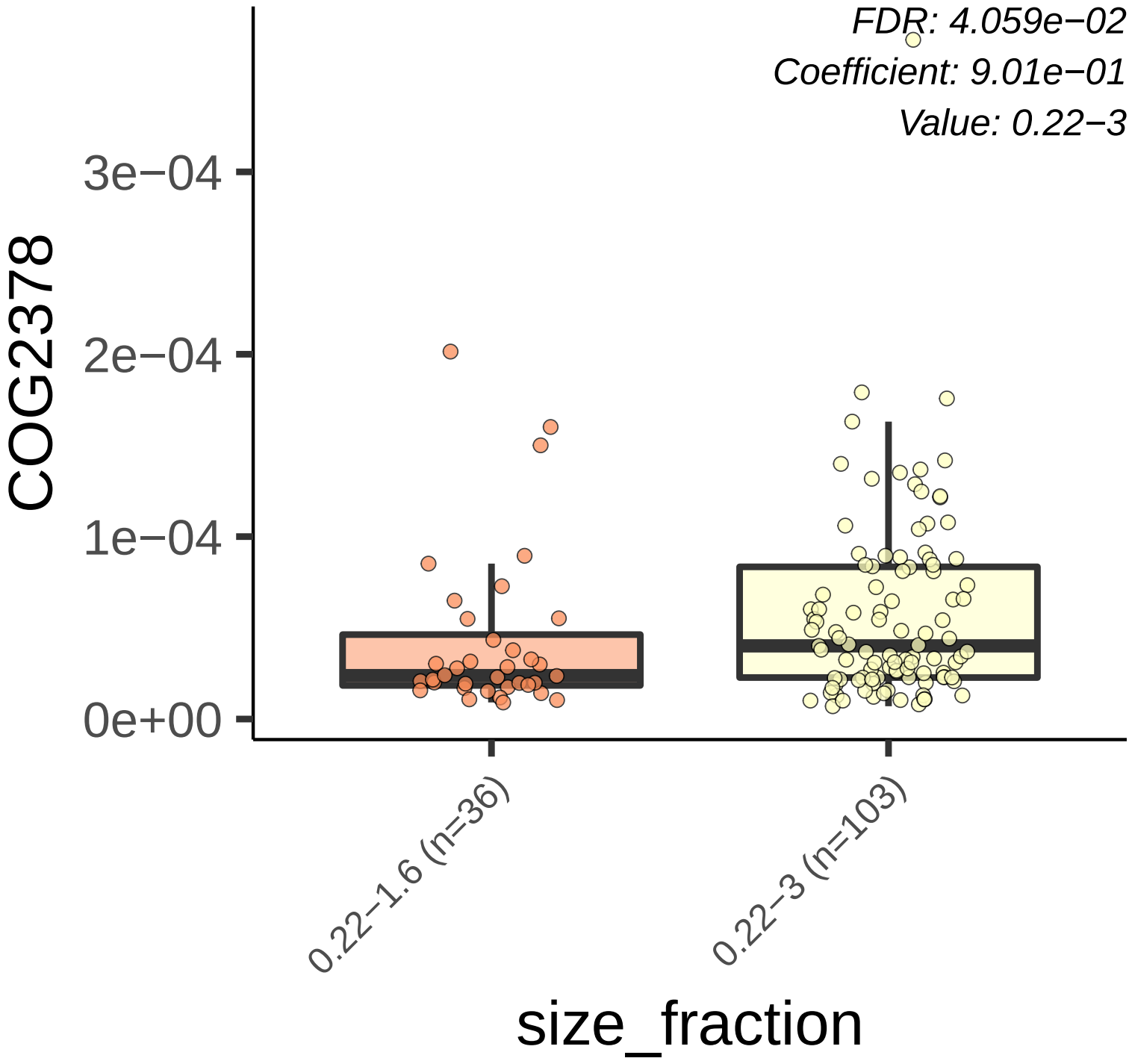

FDR: 4.026e−02
Coefficient: 1.62e+00
Value: 0.22−3
COG3385
6e−04
4e−04
2e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

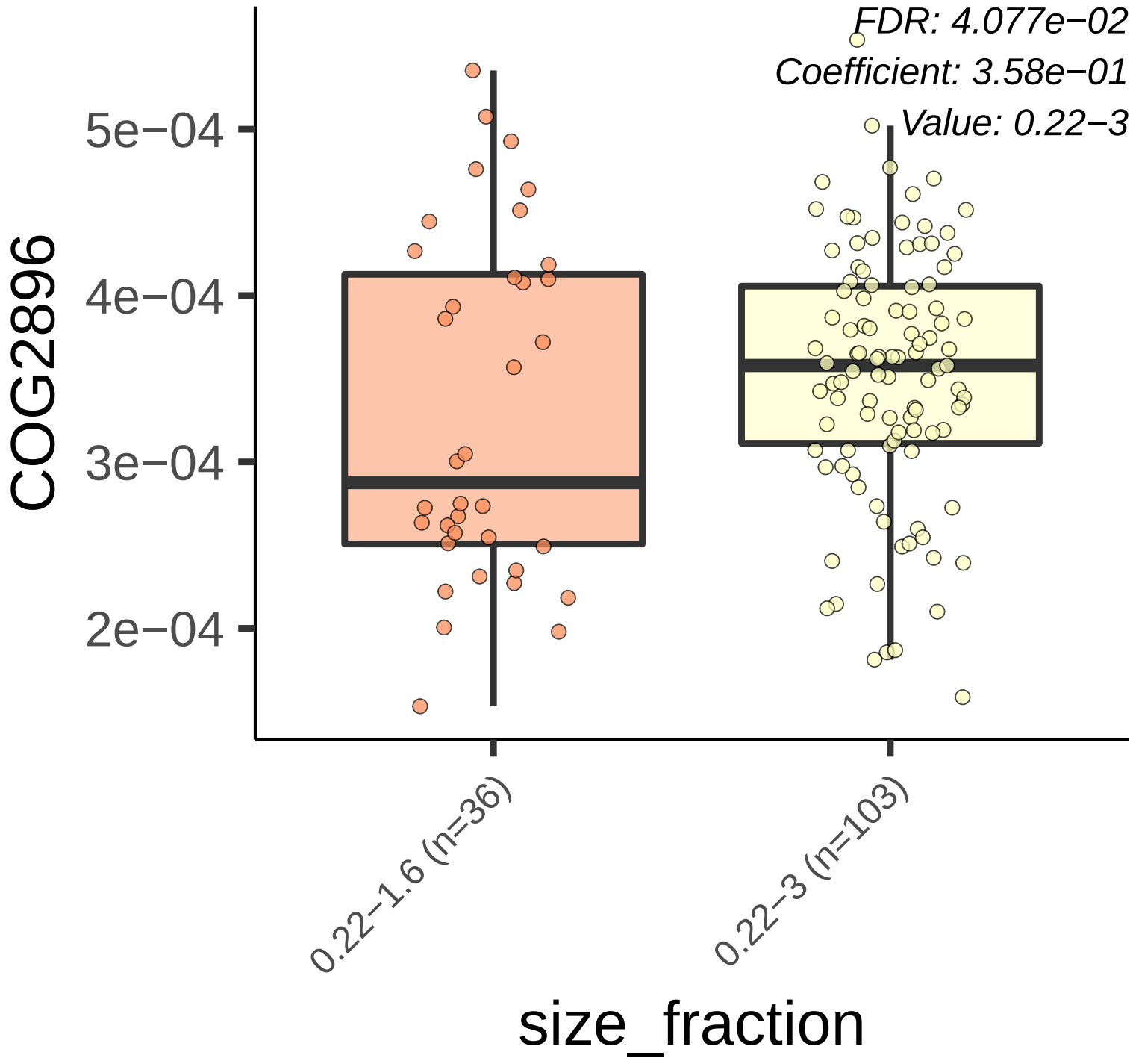

FDR: 4.044e−02
Coefficient: 2.08e+00
Value: 0.22−3
COG0680
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

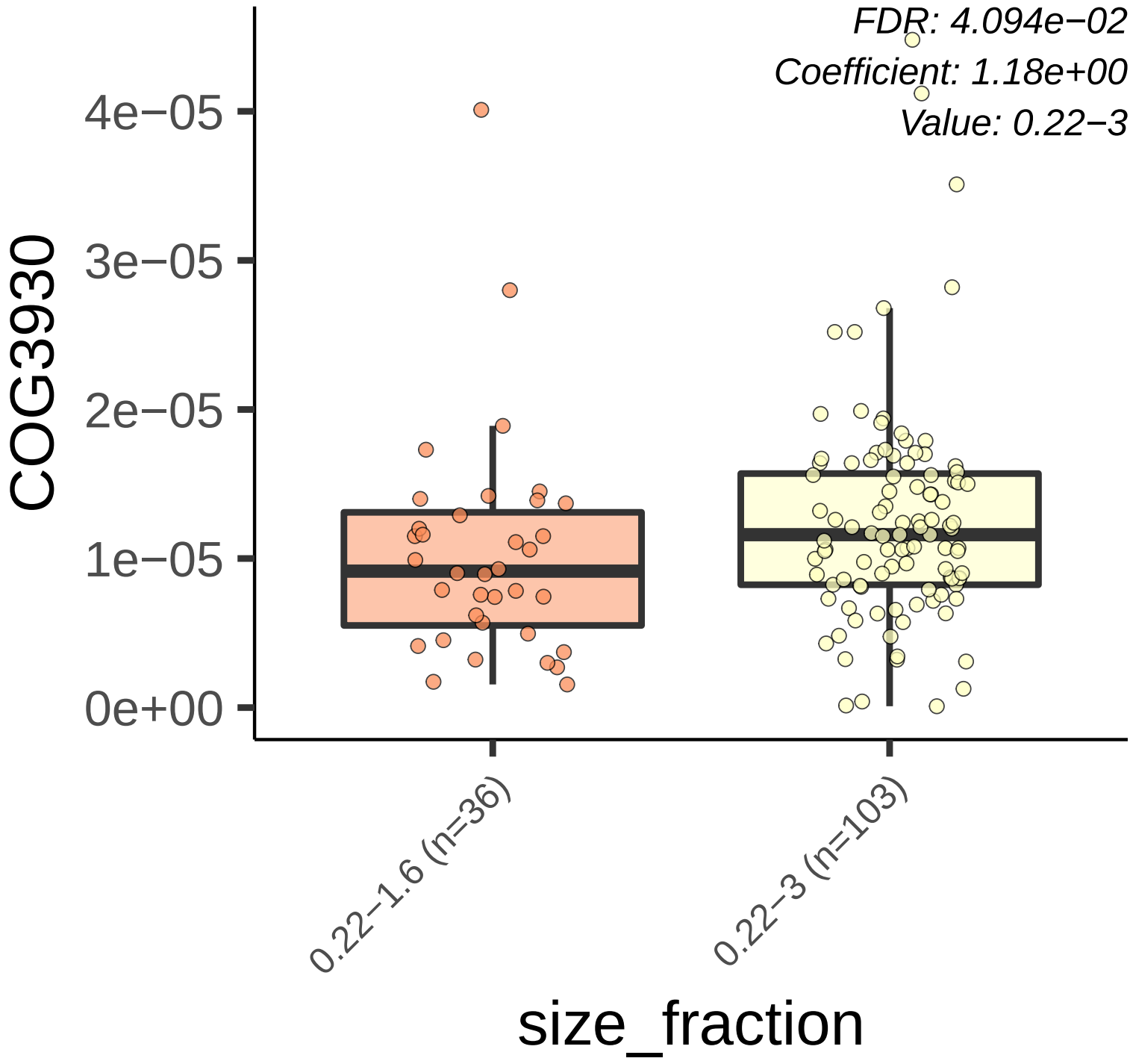

FDR: 4.044e−02
Coefficient: 1.51e+00
Value: 0.22−3
COG1441
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

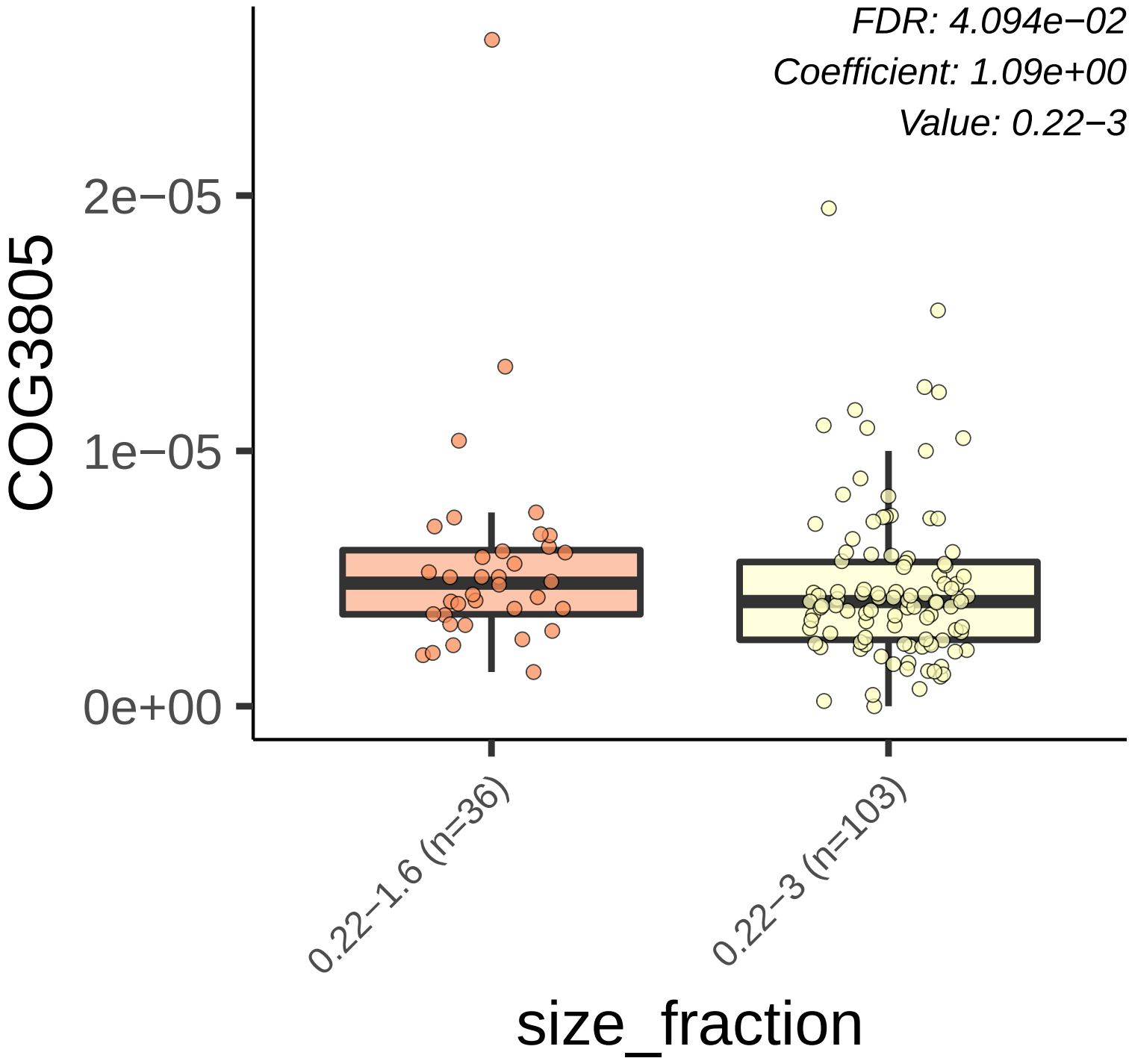

FDR: 4.052e−02
Coefficient: −1.21e−01
Value: 0.22−3
COG2226
9e−04
8e−04
7e−04
6e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

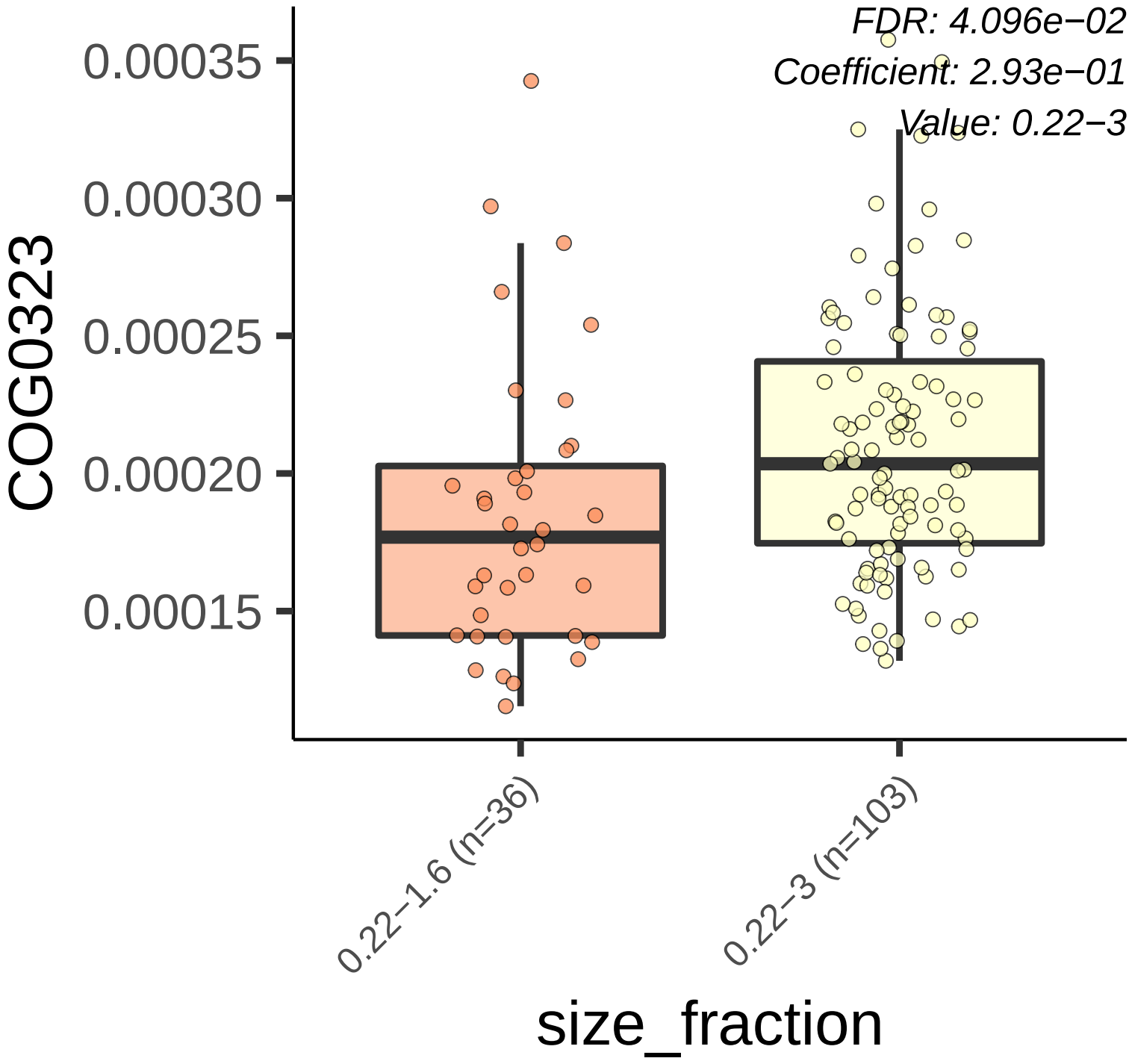

FDR: 4.053e−02
Coefficient: 1.25e+00
Value: 0.22−3
COG0641
0.00012
0.00009
0.00006
0.00003
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

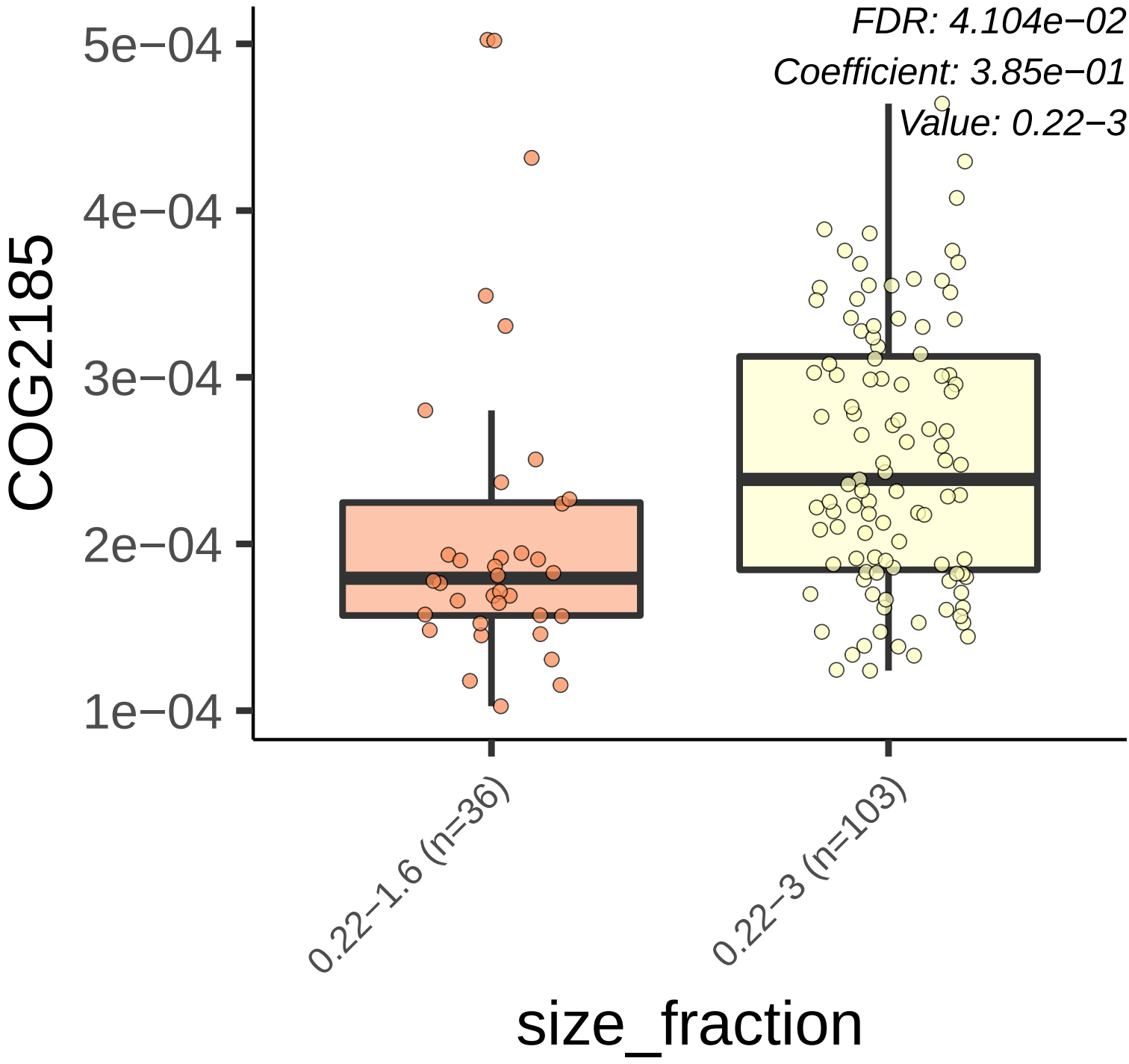

FDR: 4.059e−02
Coefficient: 9.01e−01
Value: 0.22−3
COG2378
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

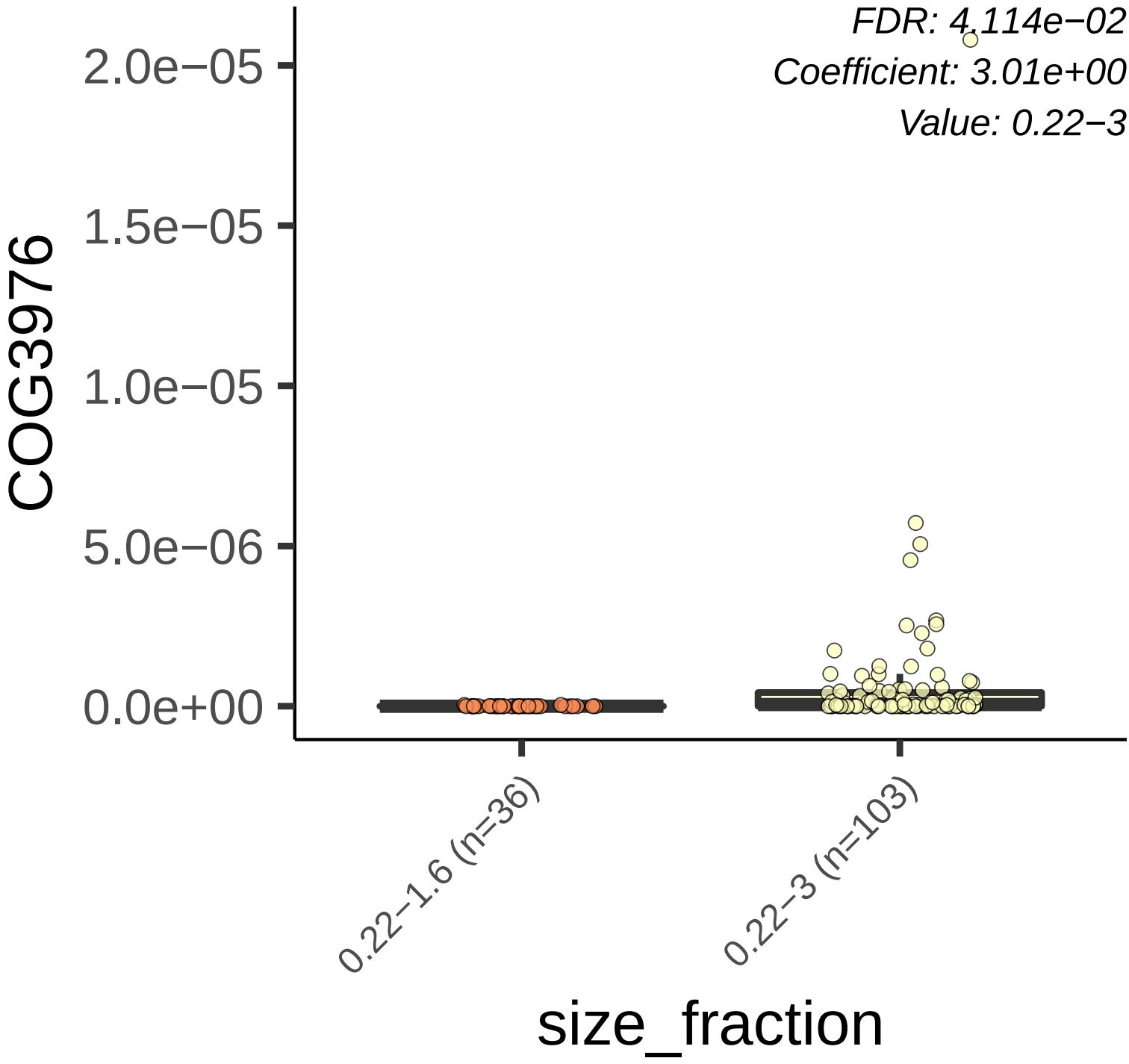

FDR: 4.077e−02
Coefficient: 3.58e−01
Value: 0.22−3
COG2896
5e−04
4e−04
3e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

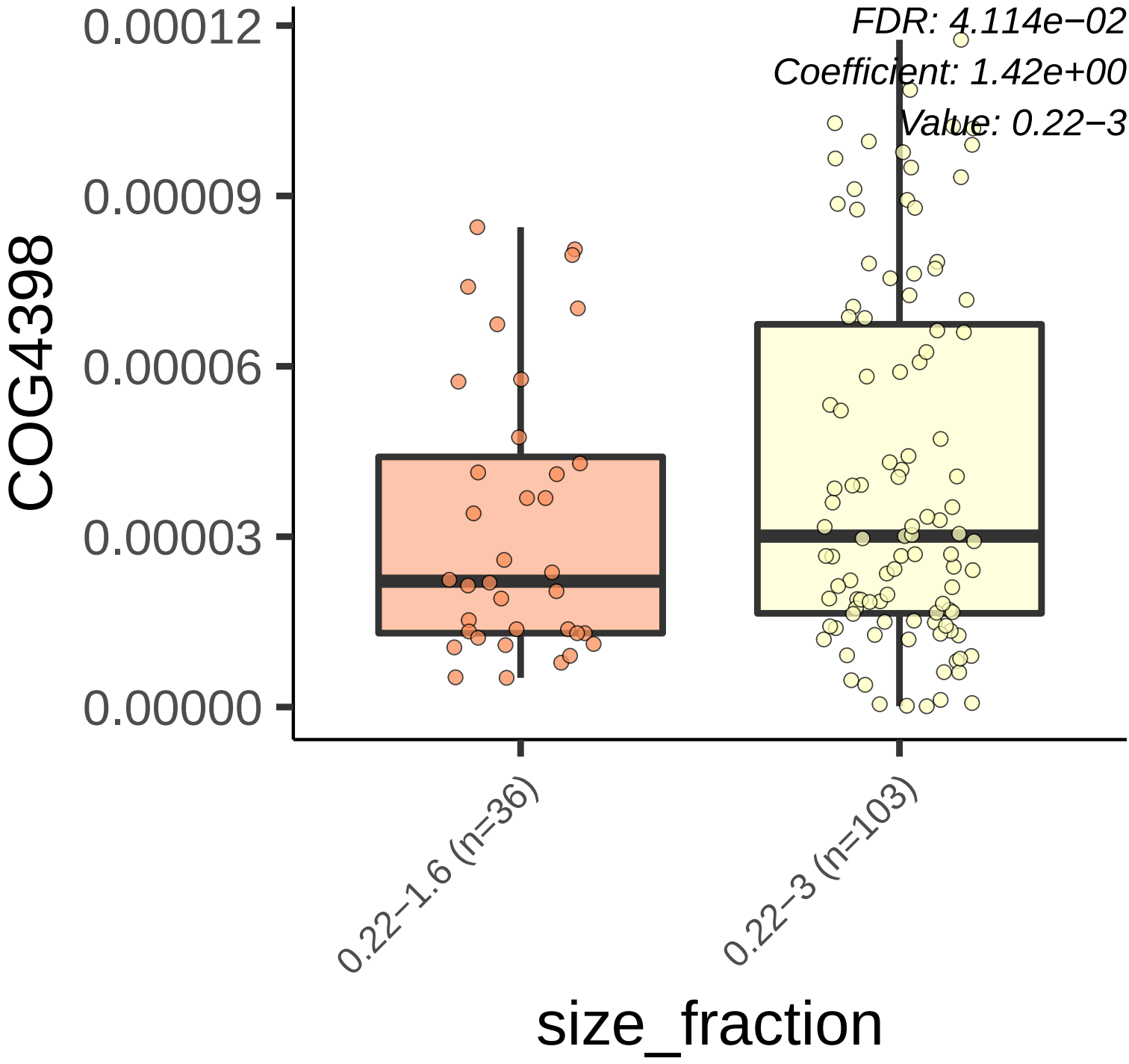

FDR: 4.094e−02
Coefficient: 1.18e+00
Value: 0.22−3
COG3930
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

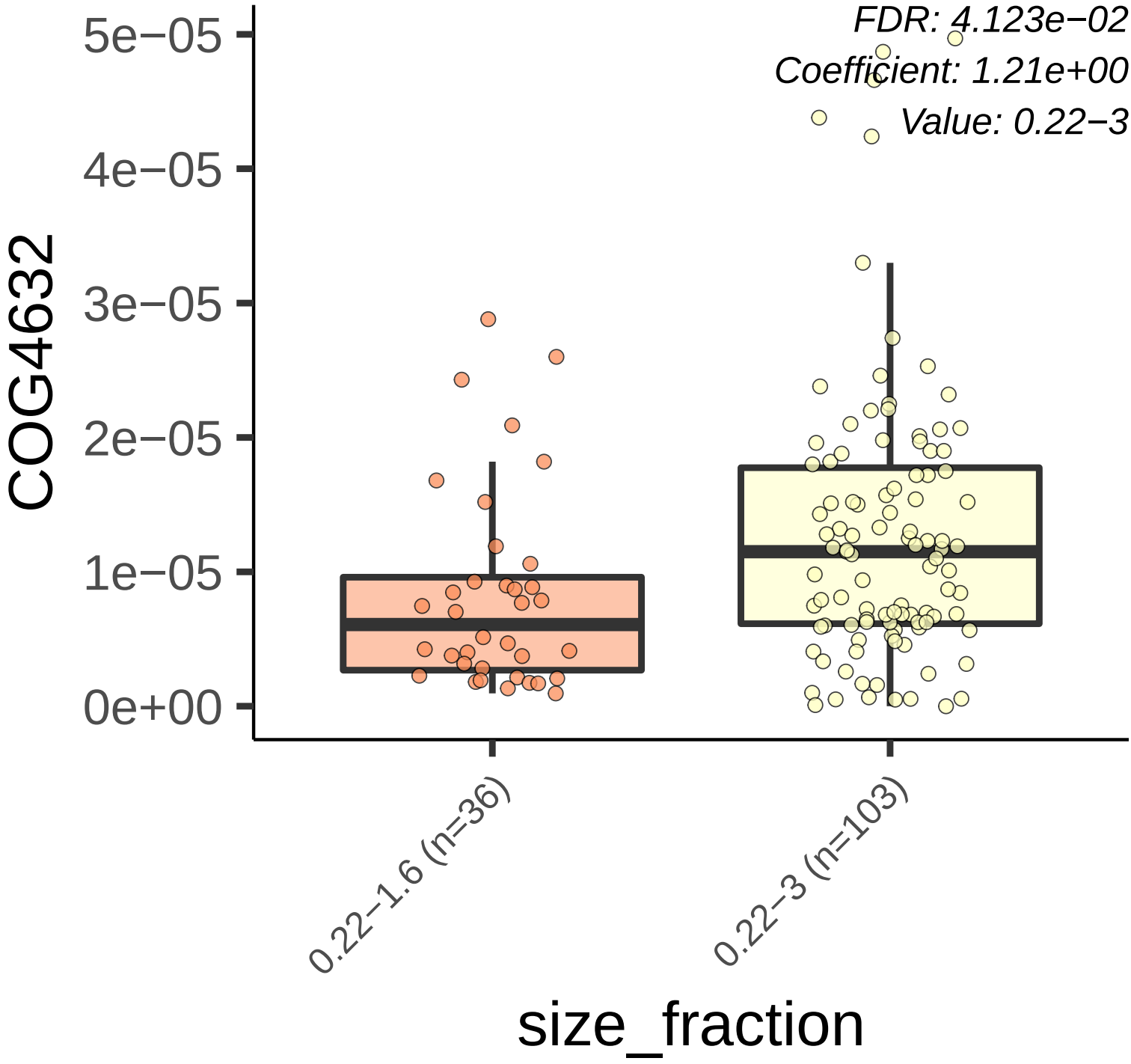

FDR: 4.094e−02
Coefficient: 1.09e+00
Value: 0.22−3
COG3805
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

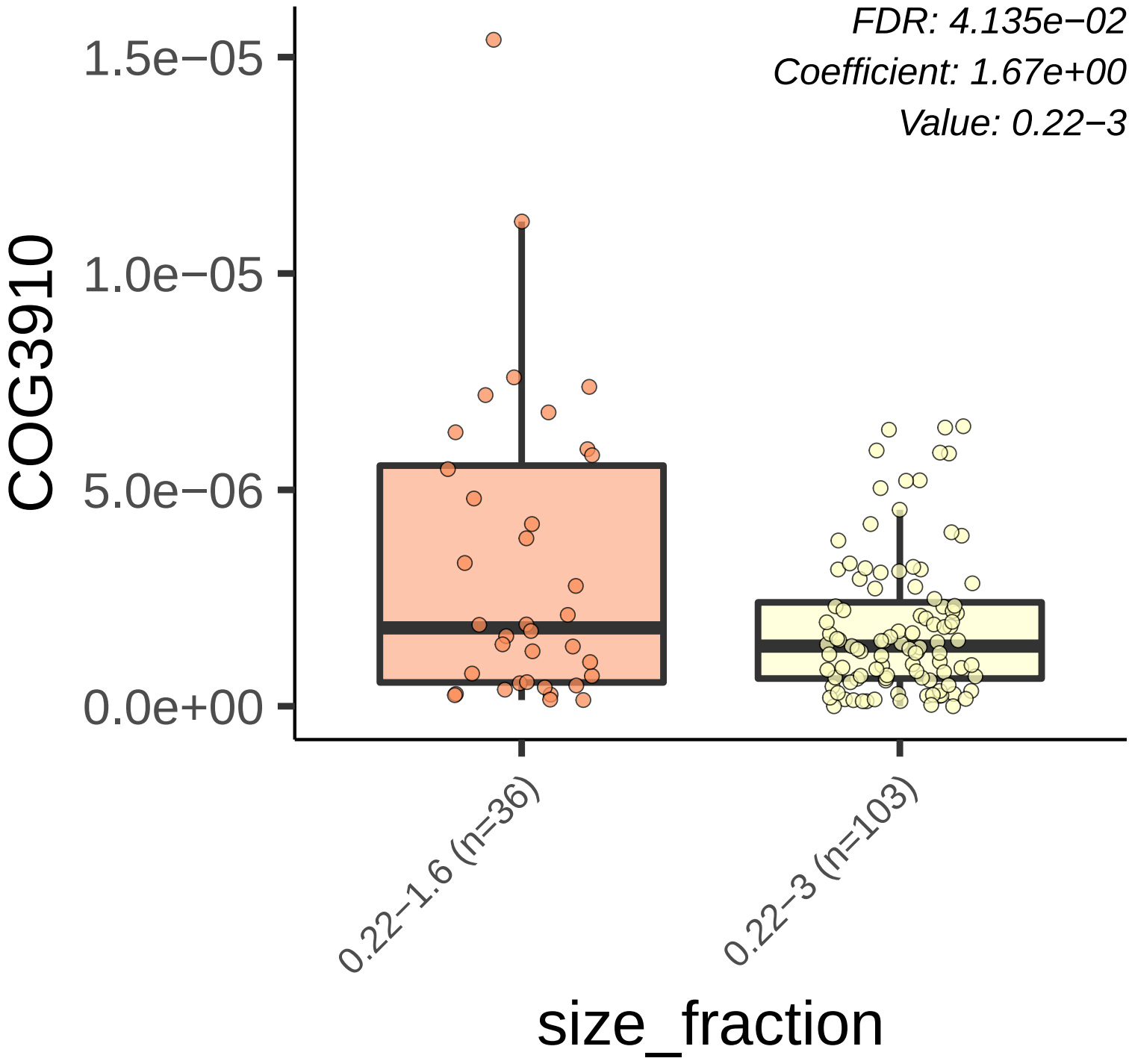

FDR: 4.096e−02
Coefficient: 2.93e−01
Value: 0.22−3
COG0323
0.00035
0.00030
0.00025
0.00020
0.00015
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

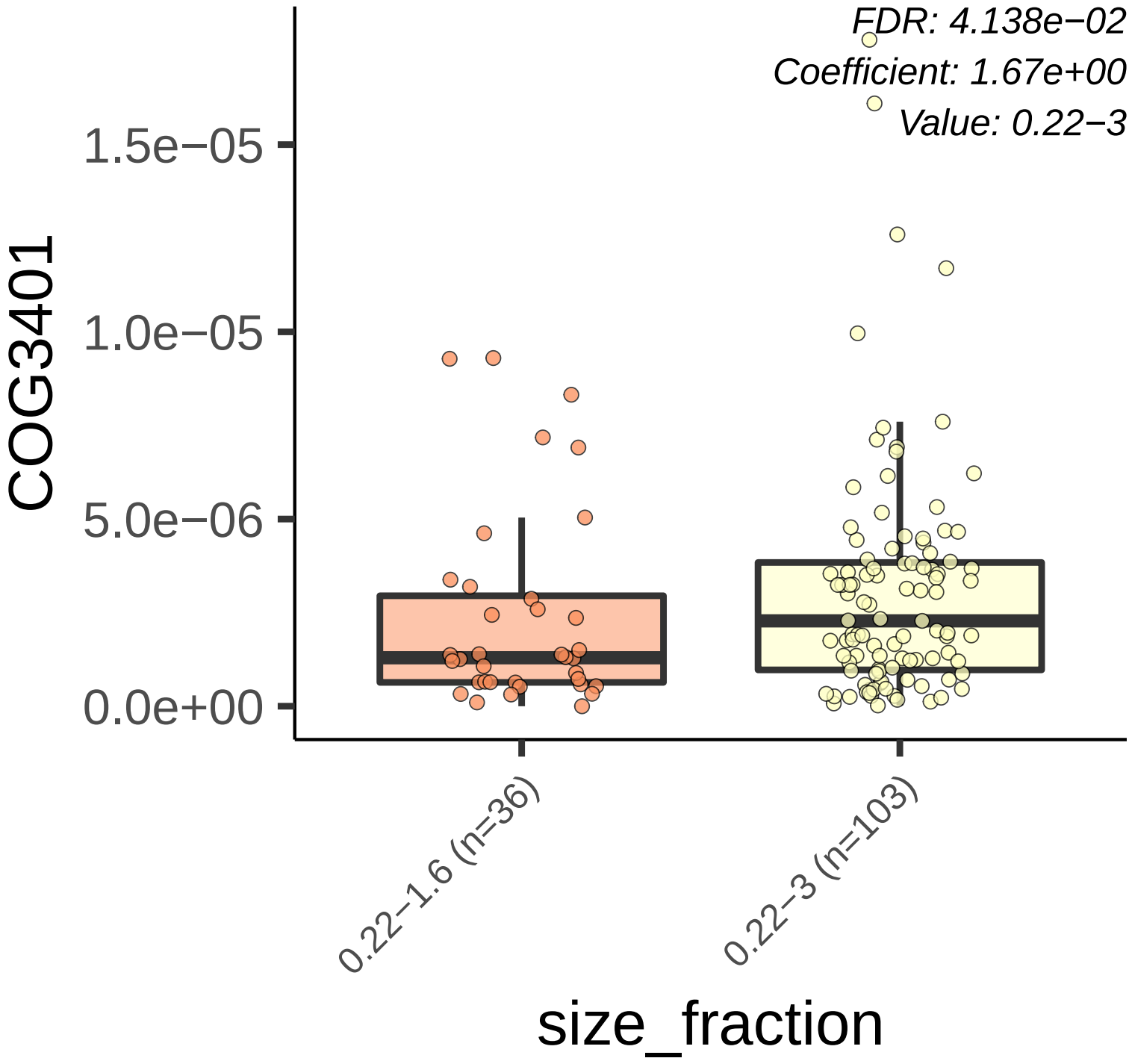

FDR: 4.104e−02
Coefficient: 3.85e−01
Value: 0.22−3
COG2185
5e−04
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

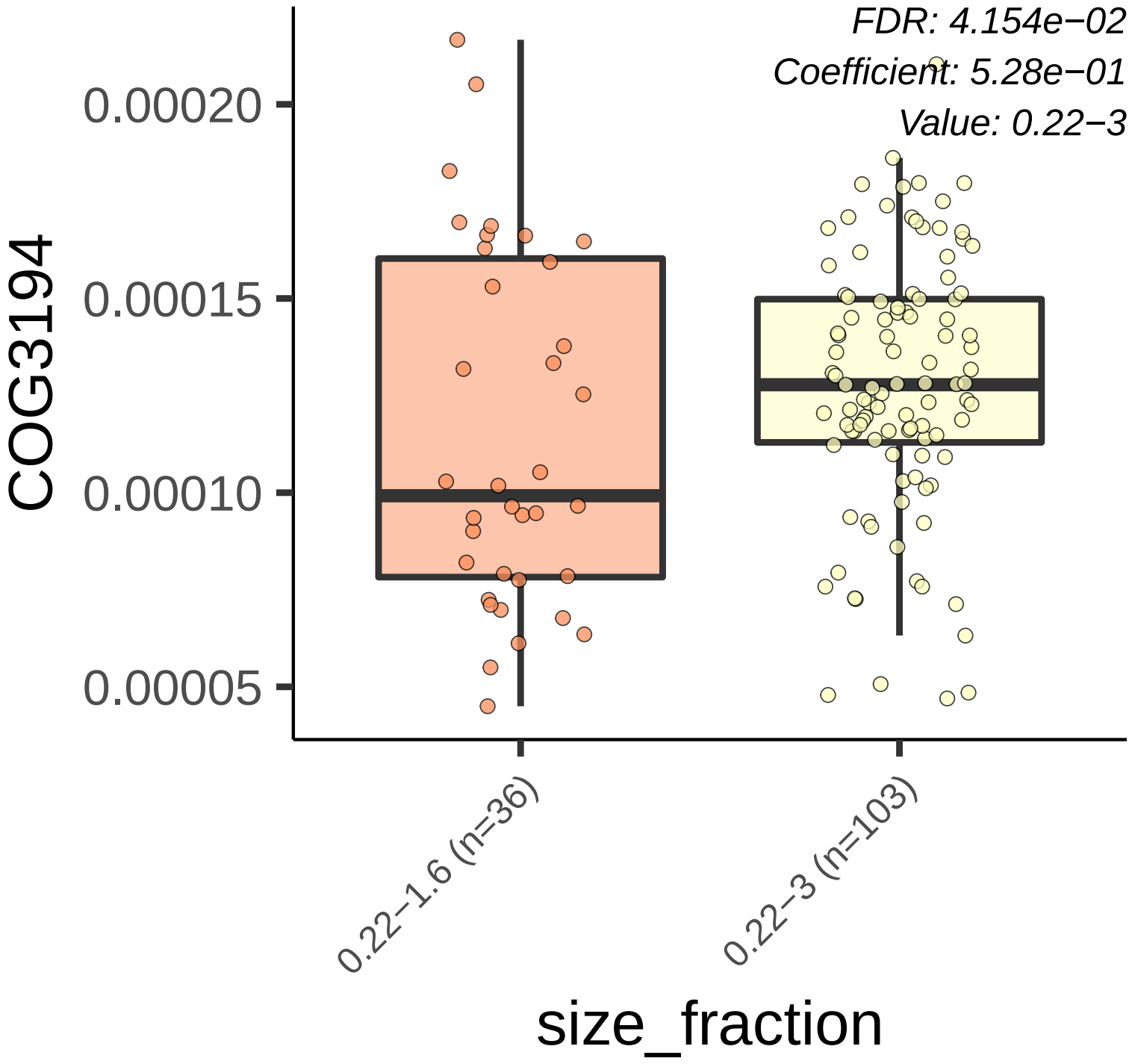

FDR: 4.114e−02
Coefficient: 3.01e+00
Value: 0.22−3
COG3976
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

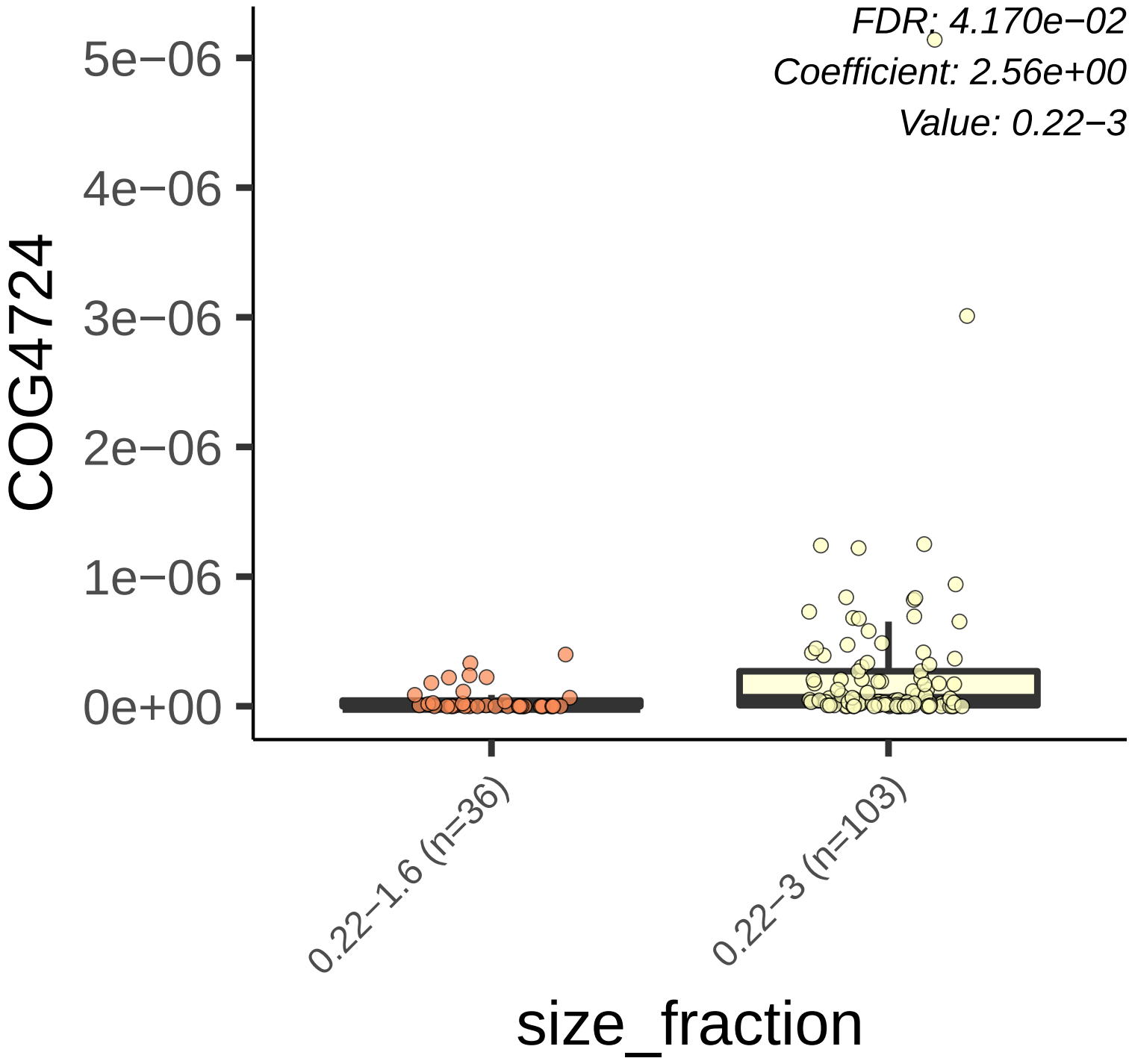

FDR: 4.114e−02
Coefficient: 1.42e+00
Value: 0.22−3
COG4398
0.00012
0.00009
0.00006
0.00003
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

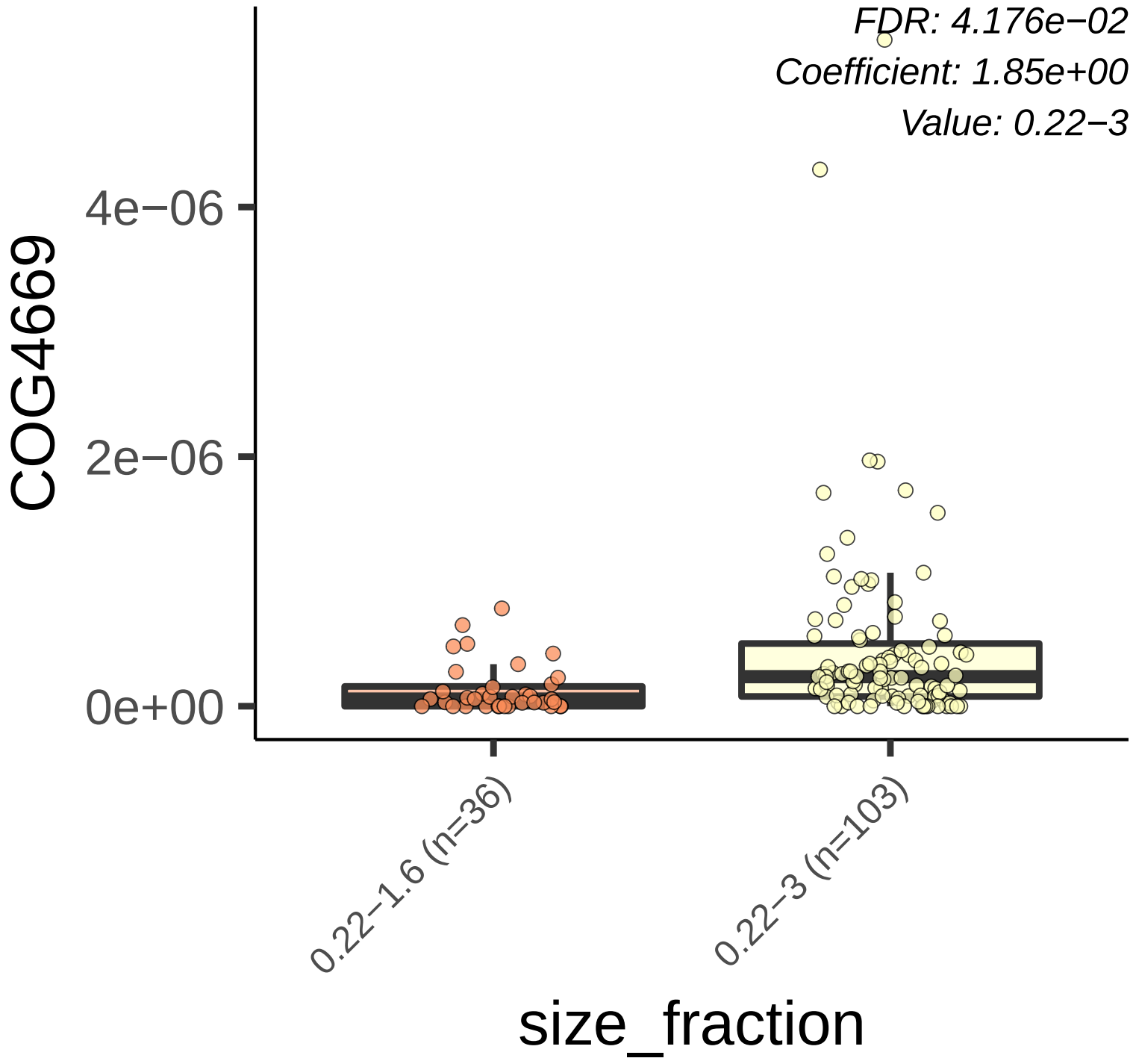

FDR: 4.123e−02
Coefficient: 1.21e+00
Value: 0.22−3
COG4632
5e−05
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

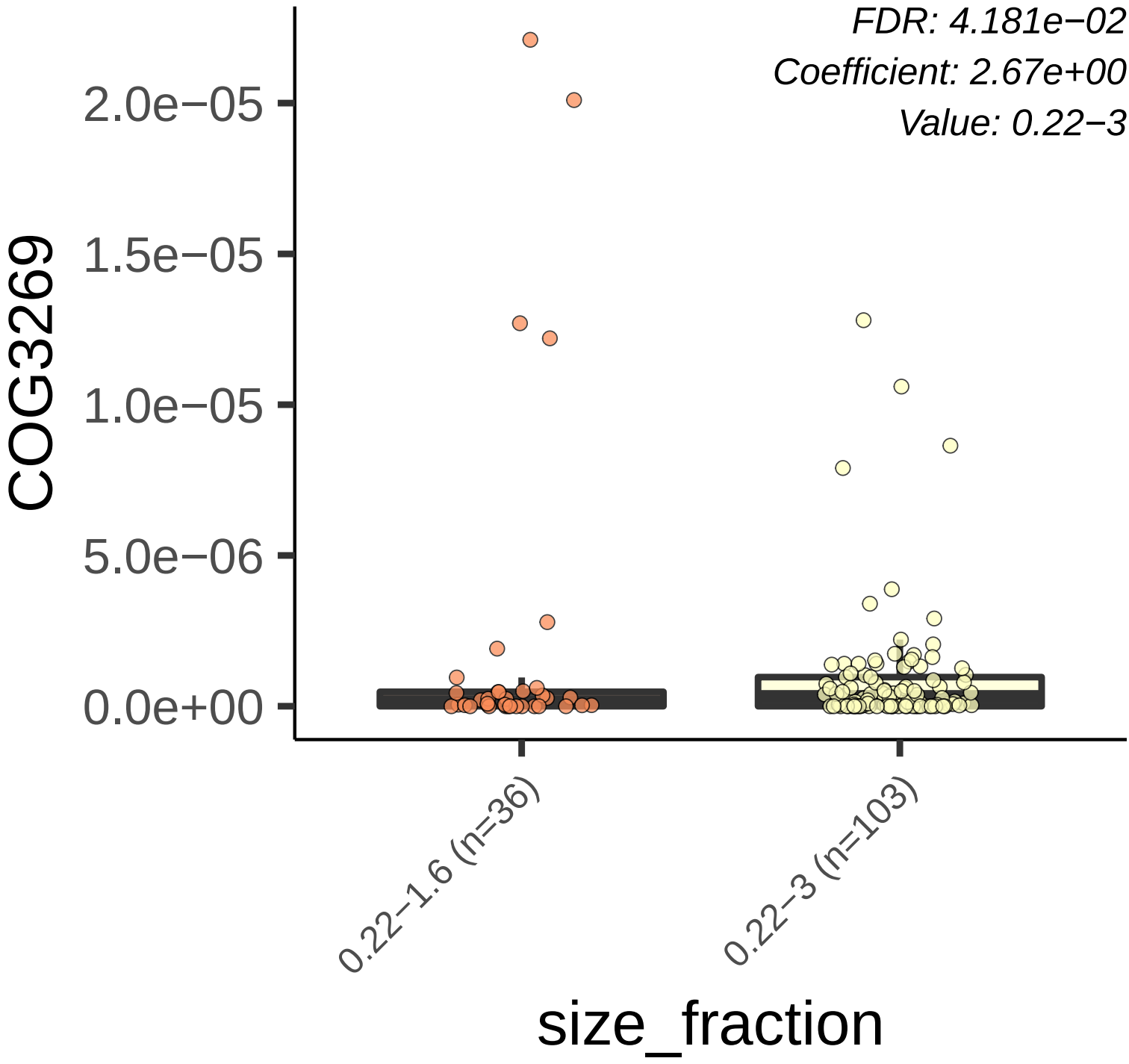

FDR: 4.135e−02
Coefficient: 1.67e+00
Value: 0.22−3
COG3910
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

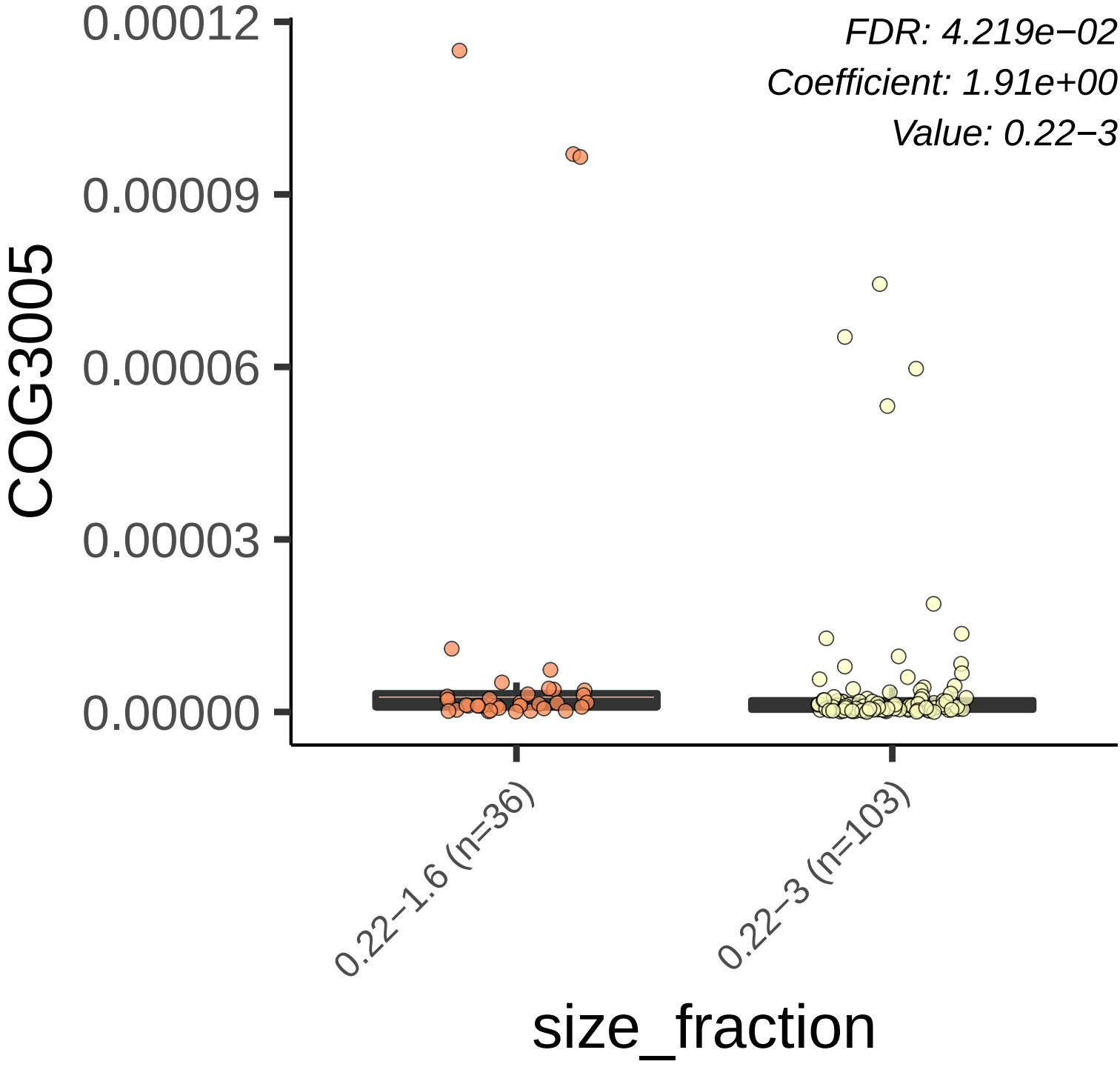

FDR: 4.138e−02
Coefficient: 1.67e+00
Value: 0.22−3
COG3401
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

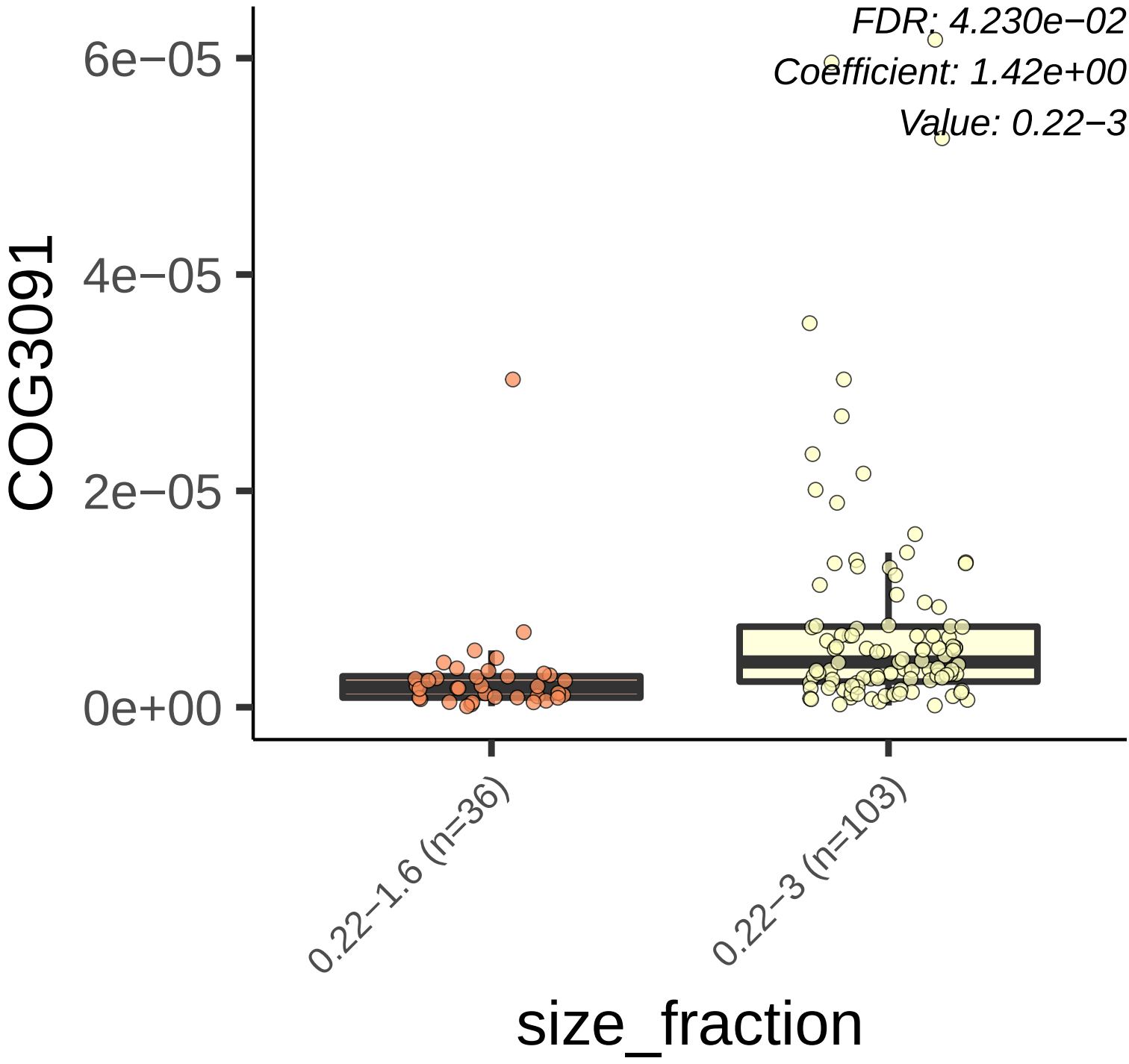

FDR: 4.154e−02
Coefficient: 5.28e−01
Value: 0.22−3
COG3194
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

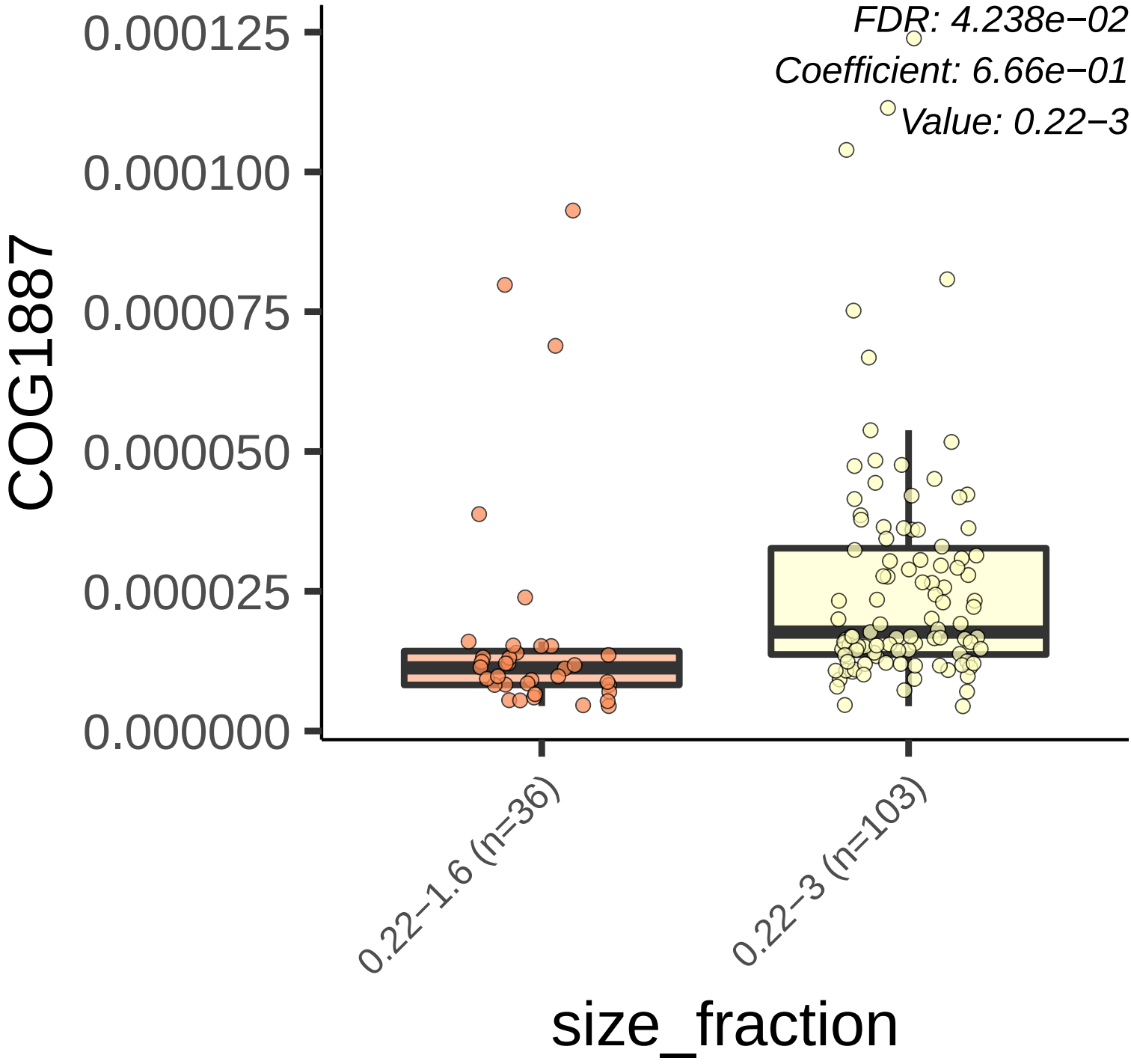

FDR: 4.170e−02
Coefficient: 2.56e+00
Value: 0.22−3
COG4724
5e−06
4e−06
3e−06
2e−06
1e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

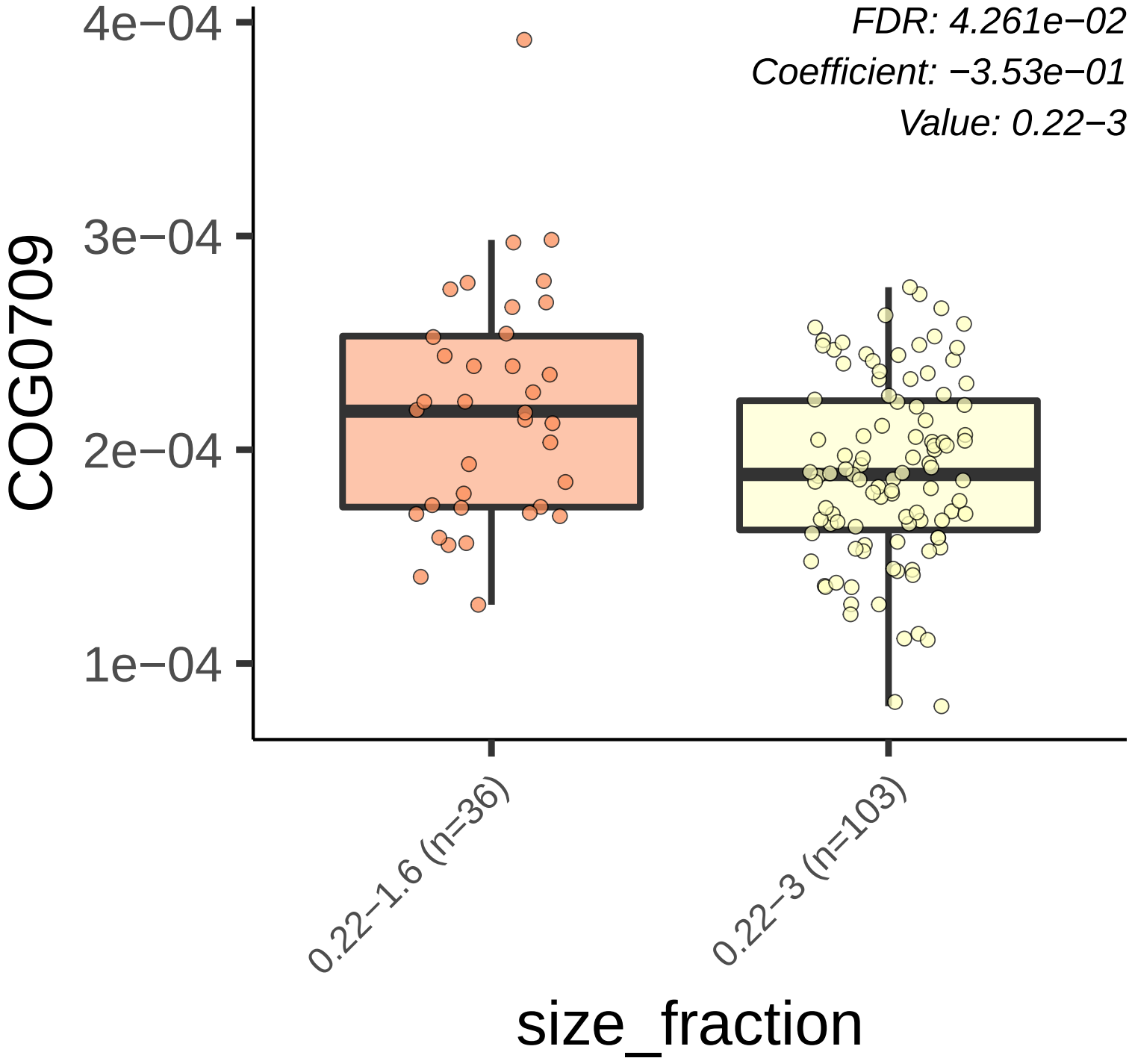

FDR: 4.176e−02
Coefficient: 1.85e+00
Value: 0.22−3
COG4669
4e−06
2e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

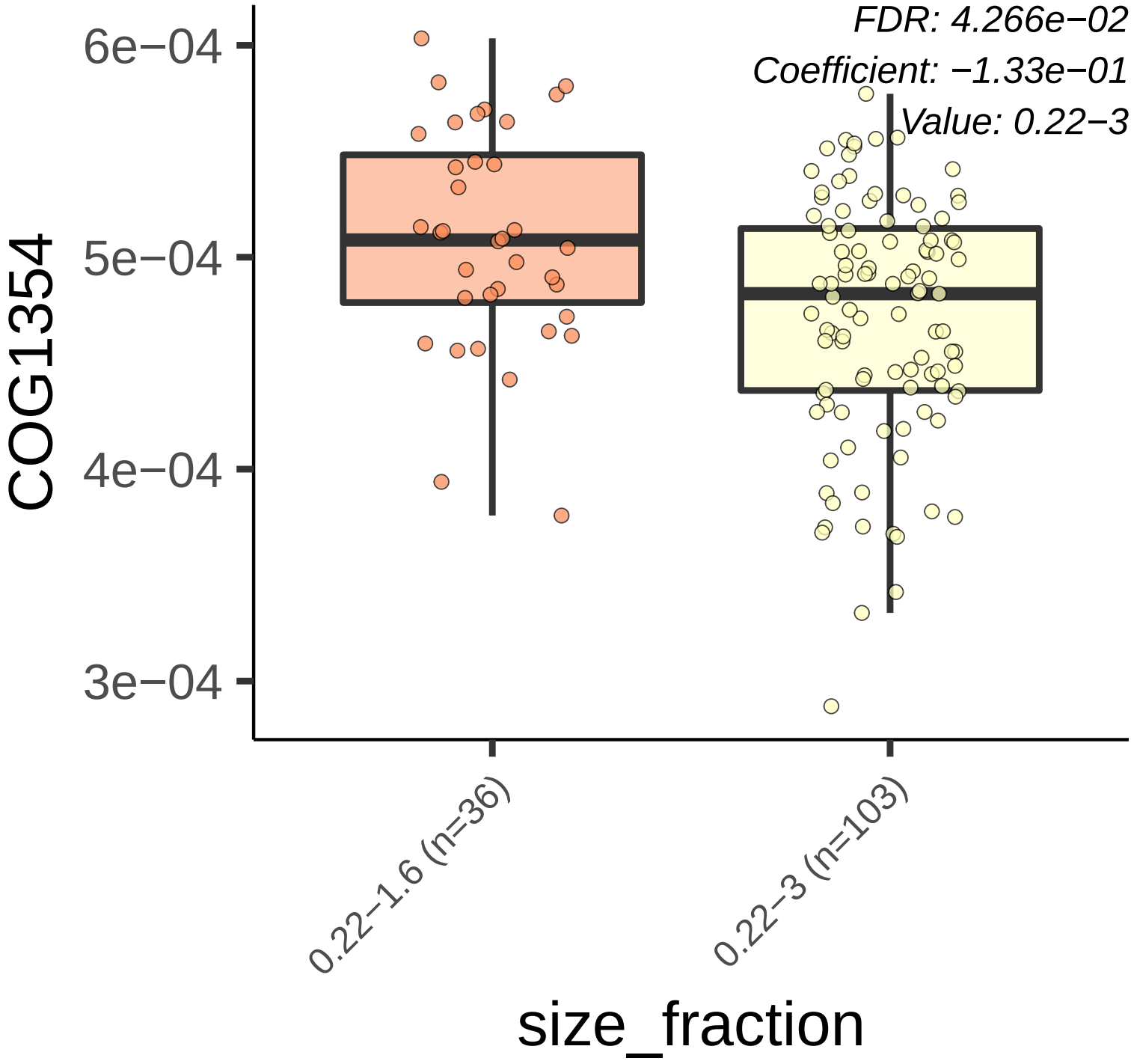

FDR: 4.181e−02
Coefficient: 2.67e+00
Value: 0.22−3
COG3269
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

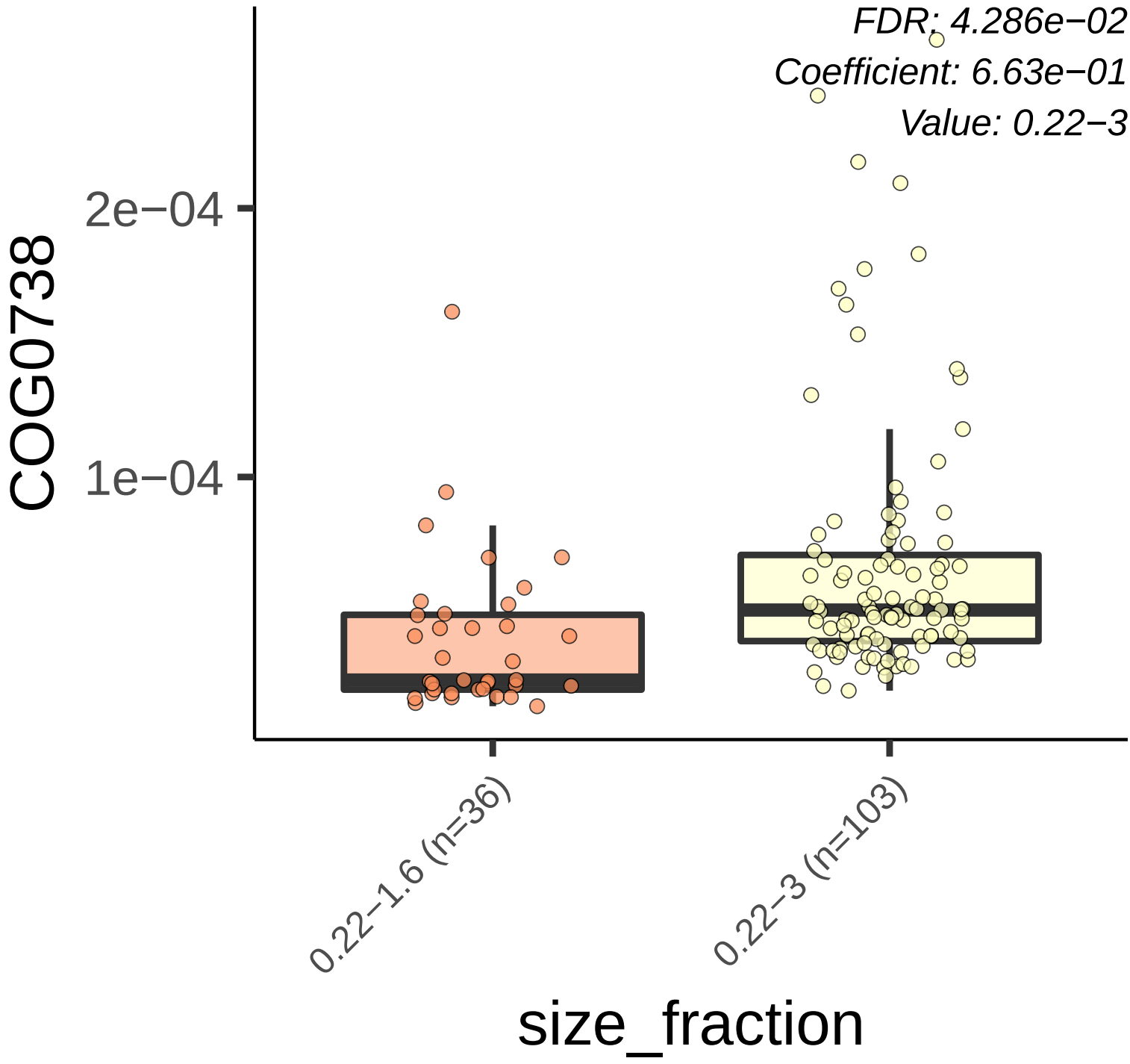

FDR: 4.219e−02
Coefficient: 1.91e+00
Value: 0.22−3
COG3005
0.00012
0.00009
0.00006
0.00003
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

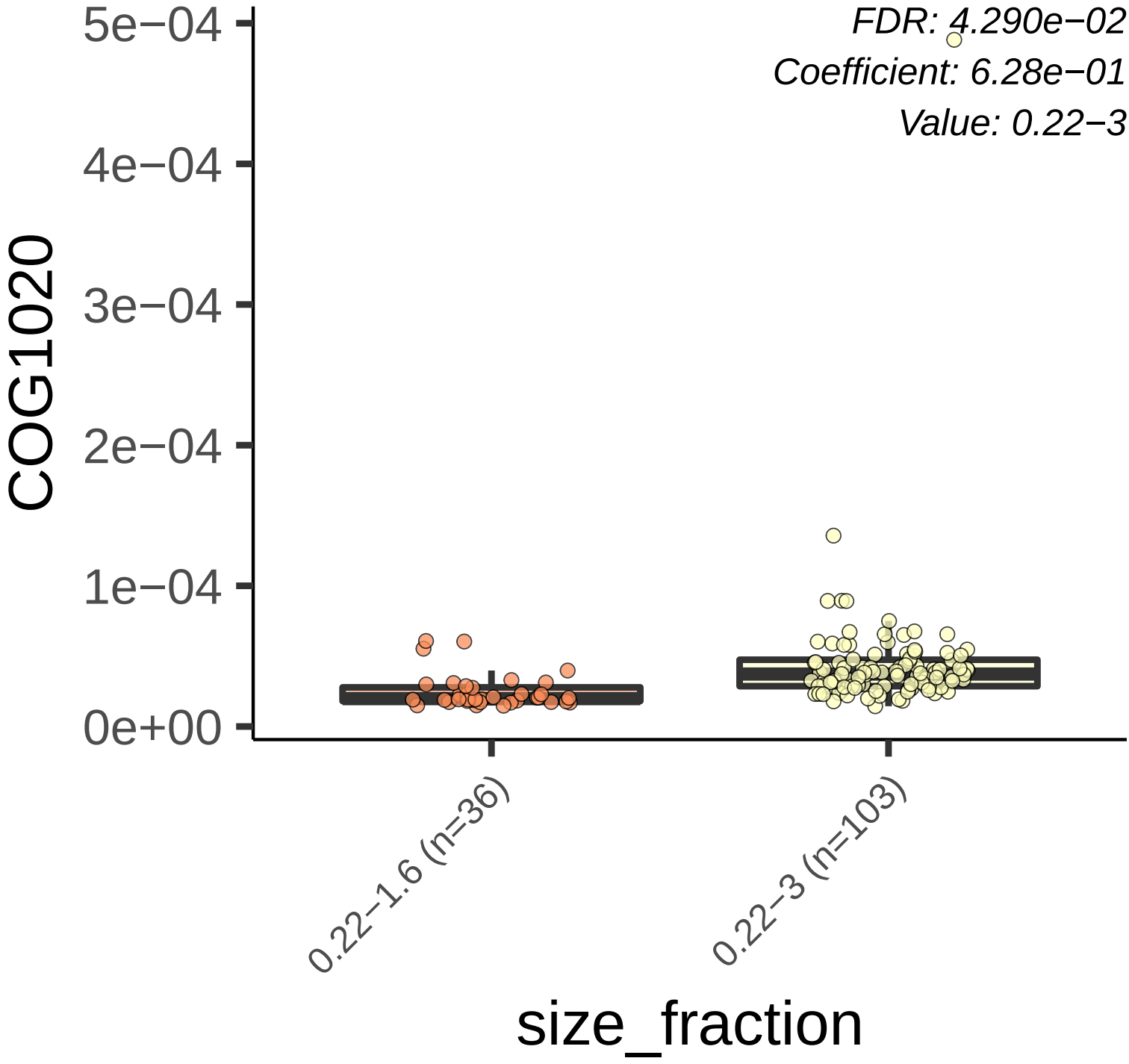

FDR: 4.230e−02
Coefficient: 1.42e+00
Value: 0.22−3
COG3091
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

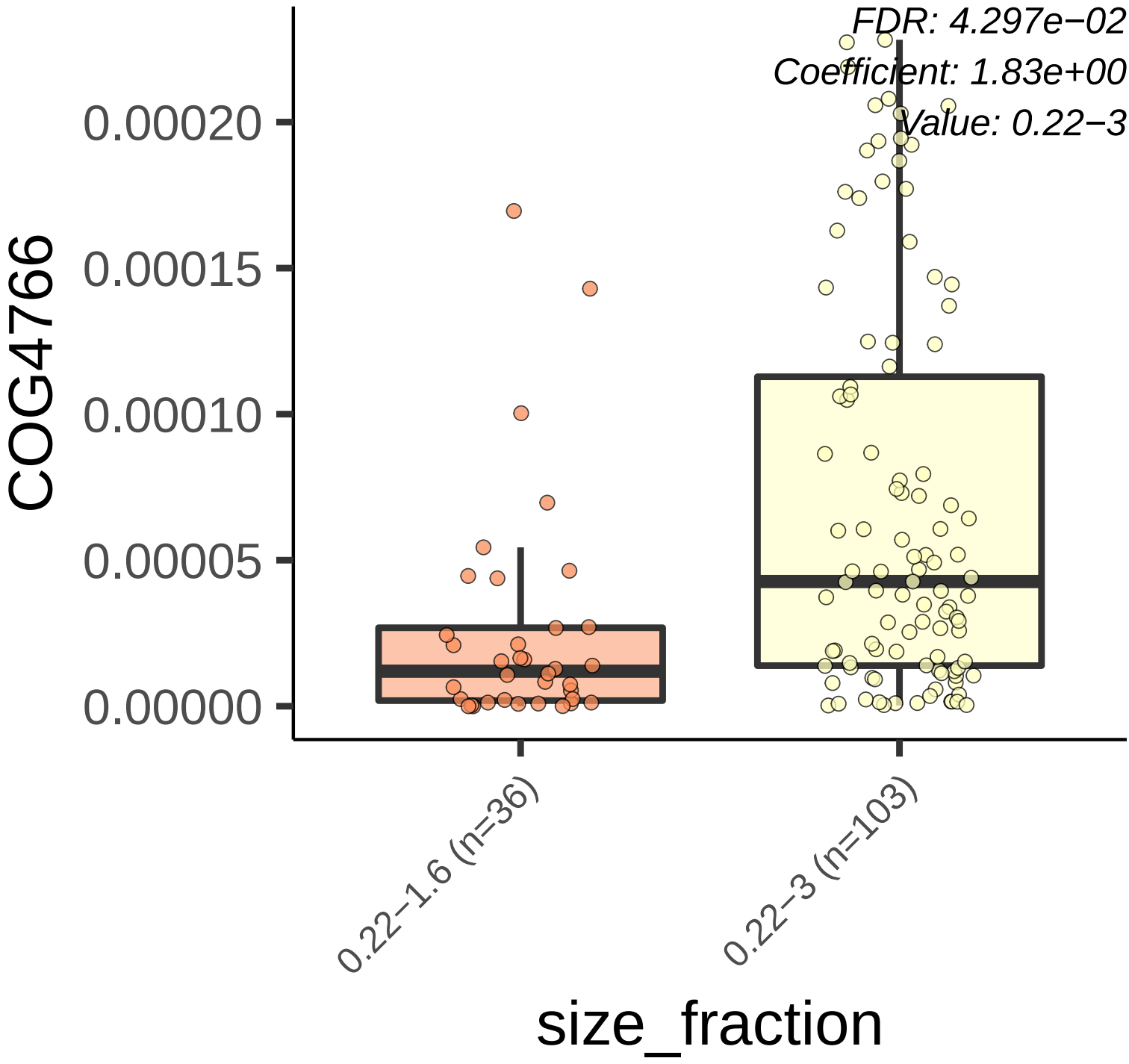

FDR: 4.238e−02
Coefficient: 6.66e−01
Value: 0.22−3
COG1887
0.000125
0.000100
0.000075
0.000050
0.000025
0.000000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

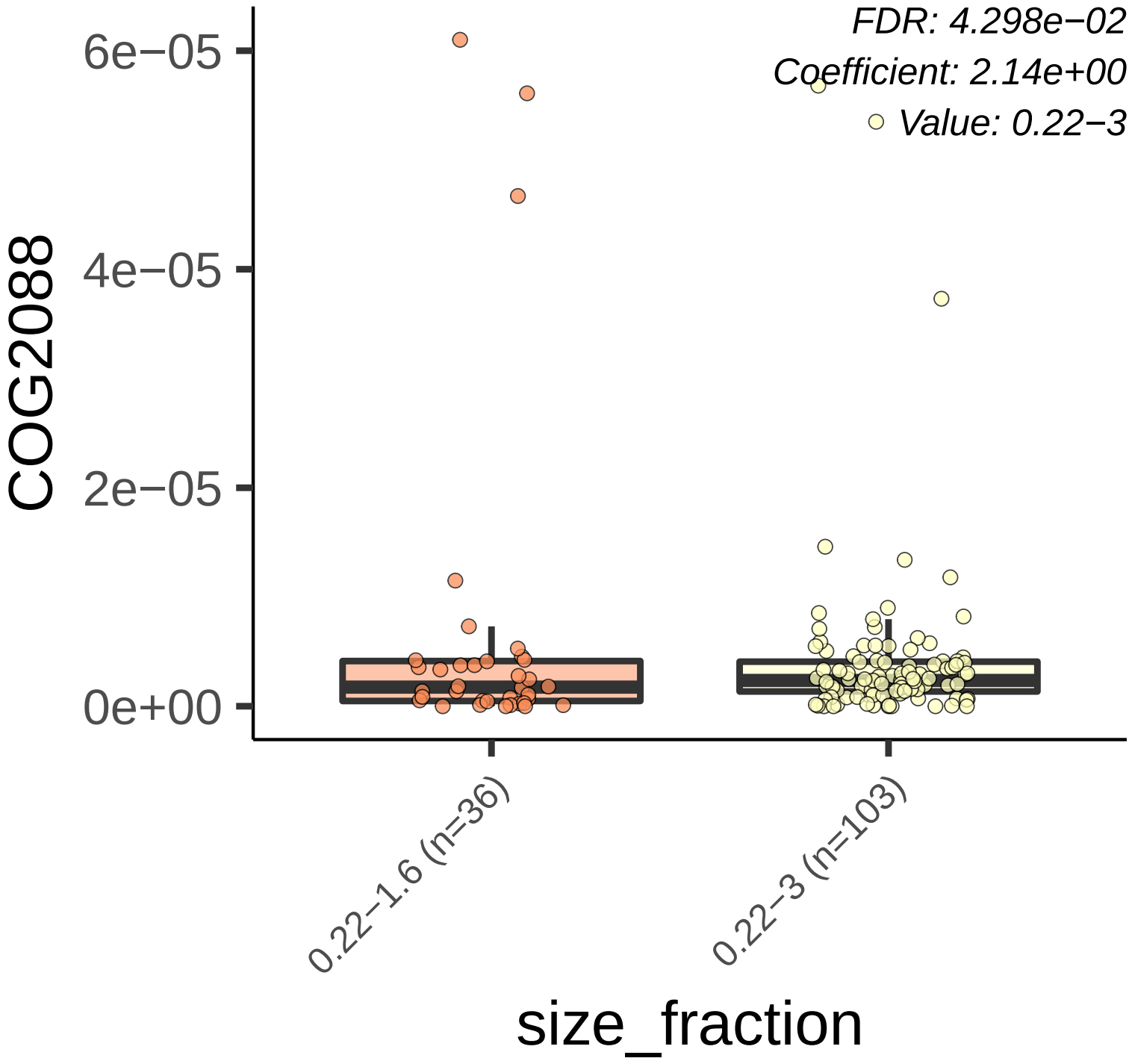

FDR: 4.261e−02
Coefficient: −3.53e−01
Value: 0.22−3
4e−04
3e−04
2e−04
1e−04
COG0709
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

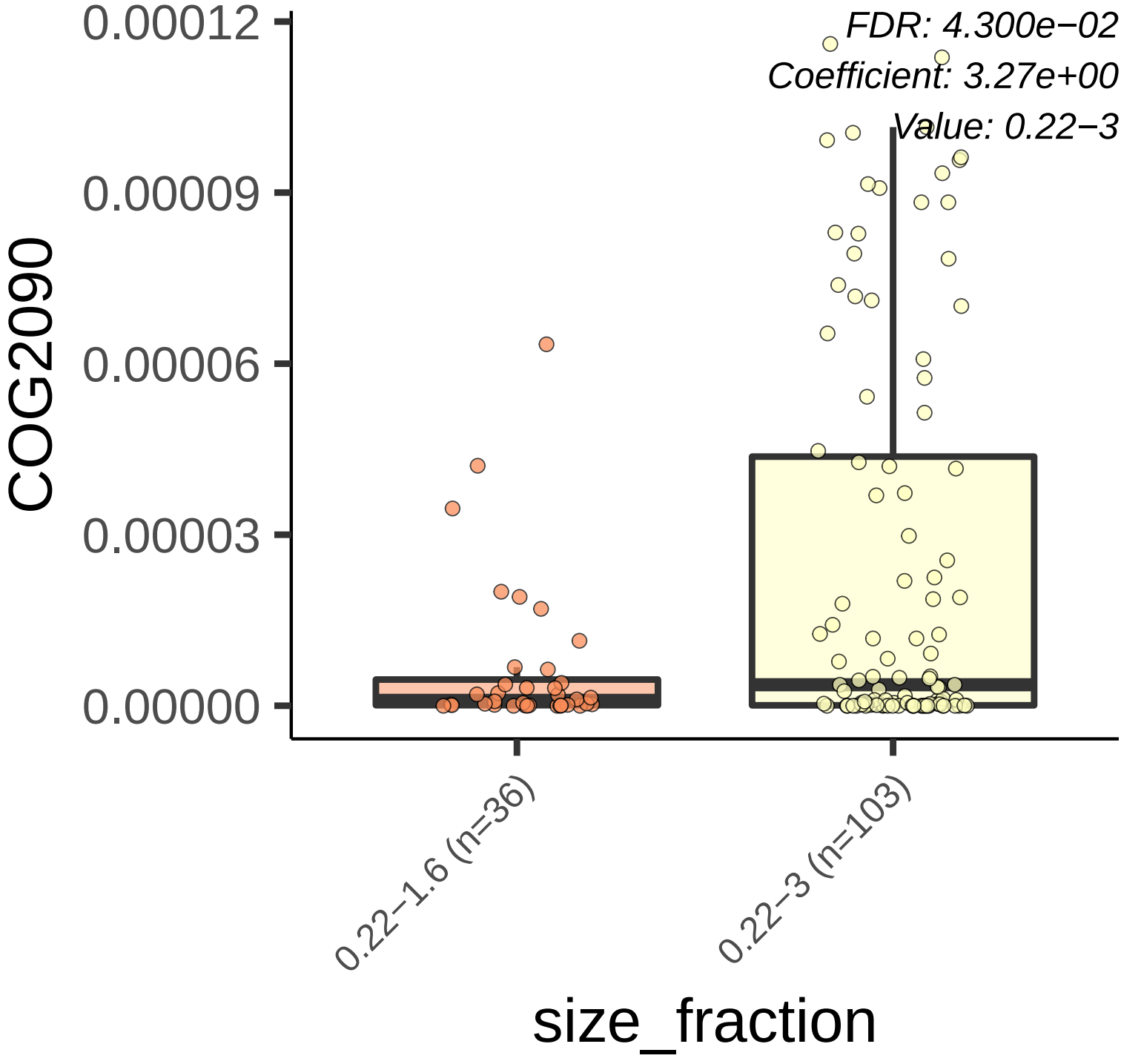

FDR: 4.266e−02
Coefficient: −1.33e−01
Value: 0.22−3
COG1354
6e−04
5e−04
4e−04
3e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

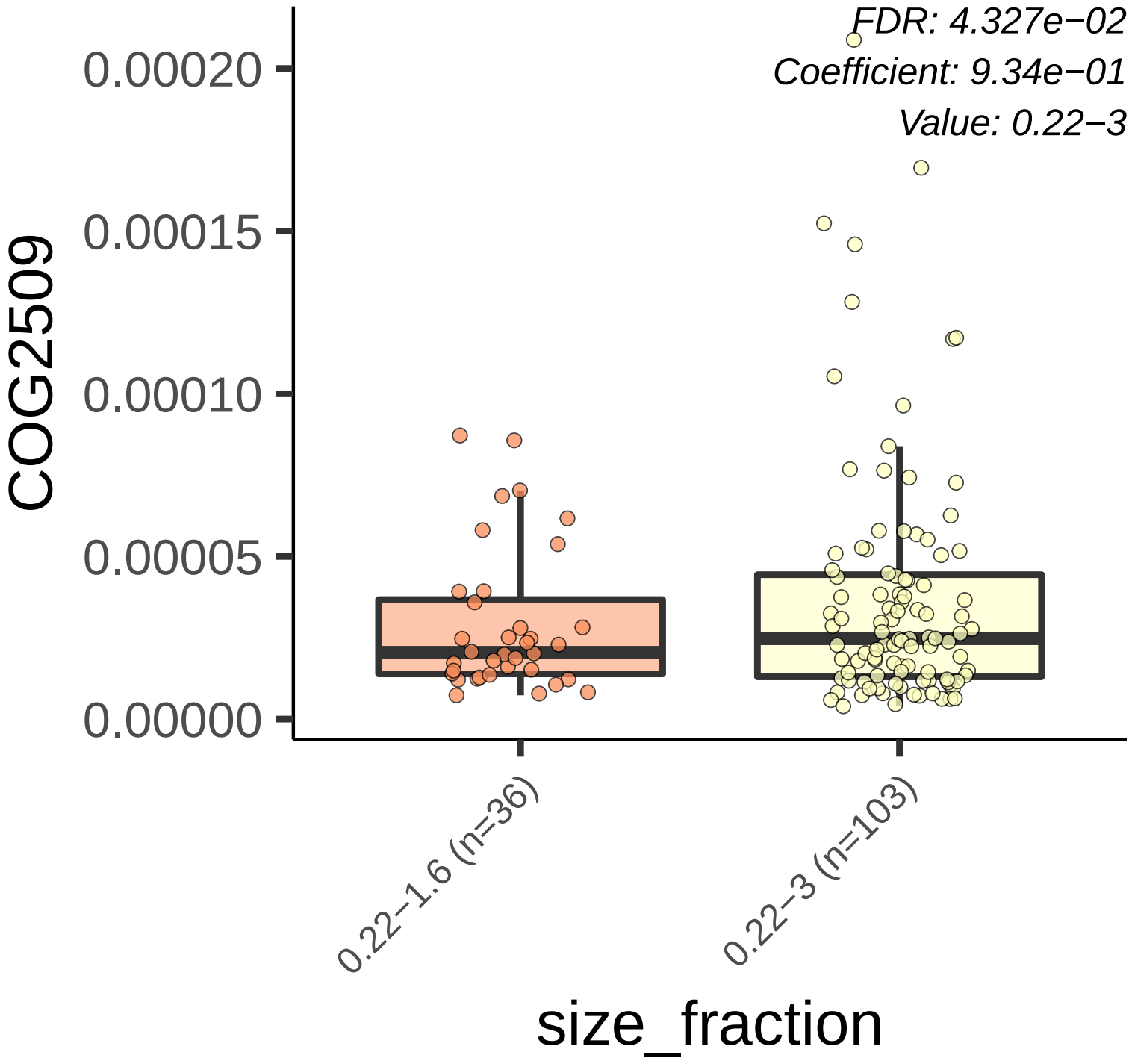

FDR: 4.286e−02
Coefficient: 6.63e−01
Value: 0.22−3
COG0738
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

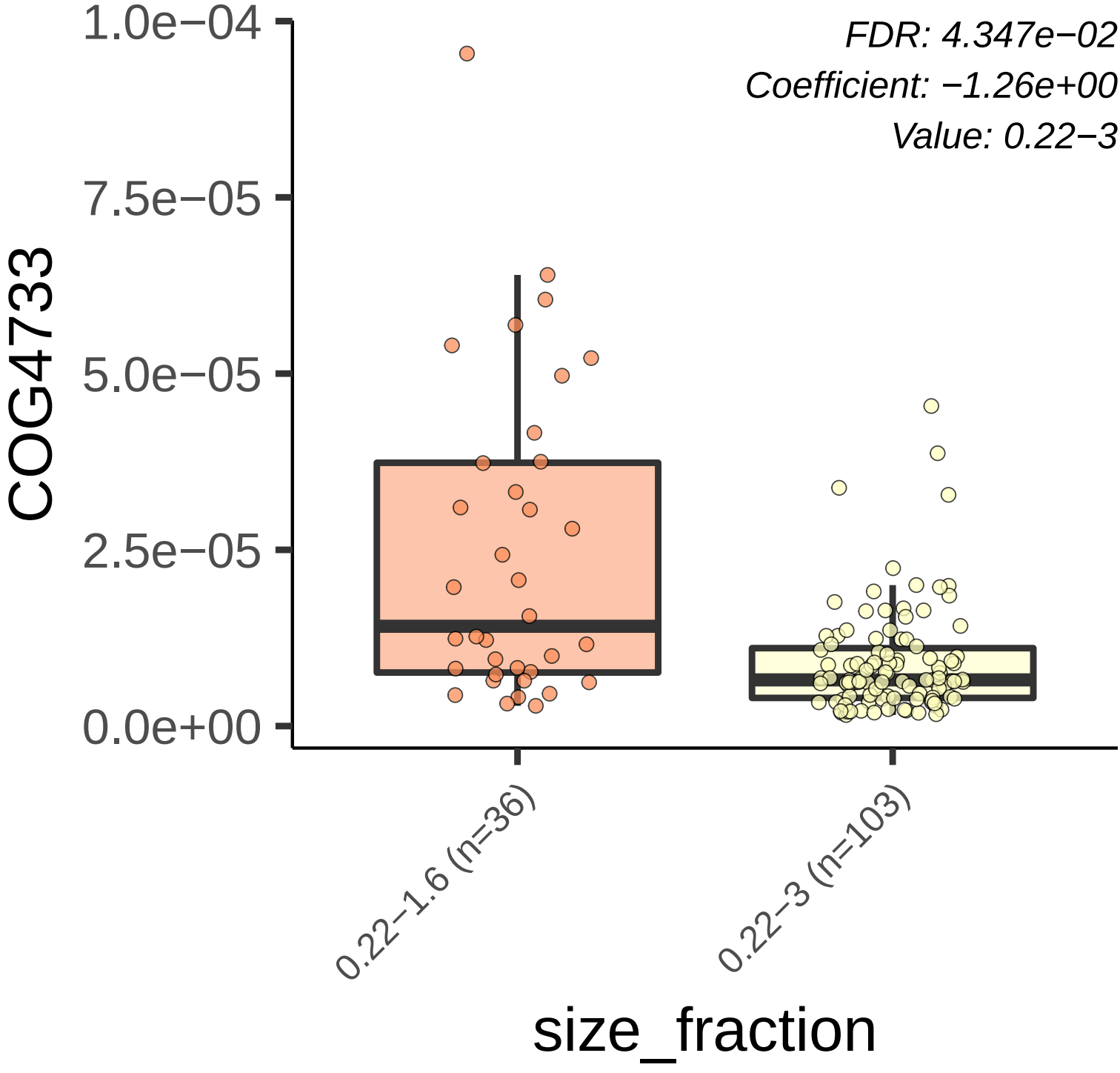

FDR: 4.290e−02
Coefficient: 6.28e−01
Value: 0.22−3
COG1020
5e−04
4e−04
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

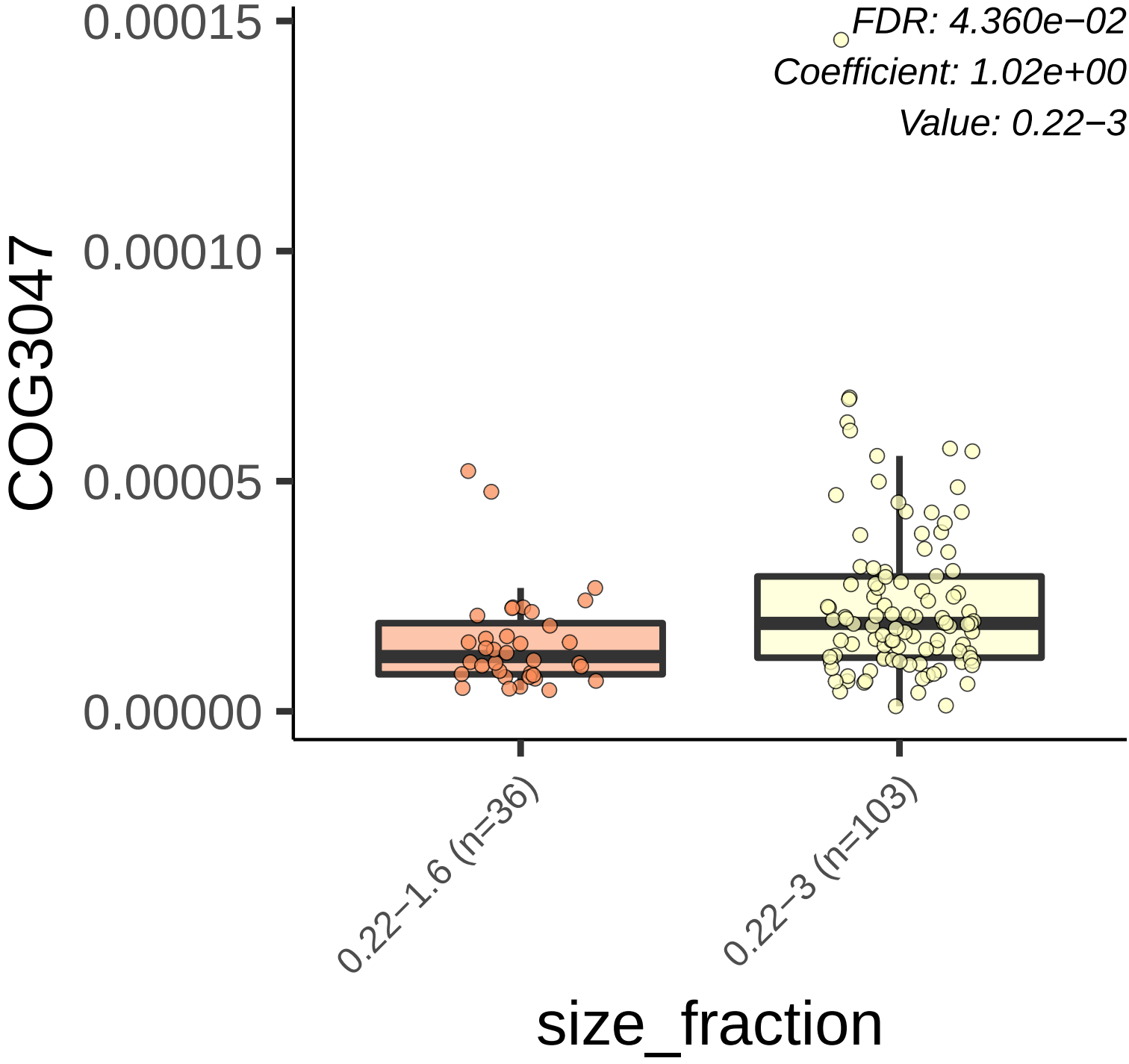

FDR: 4.297e−02
Coefficient: 1.83e+00
Value: 0.22−3
COG4766
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

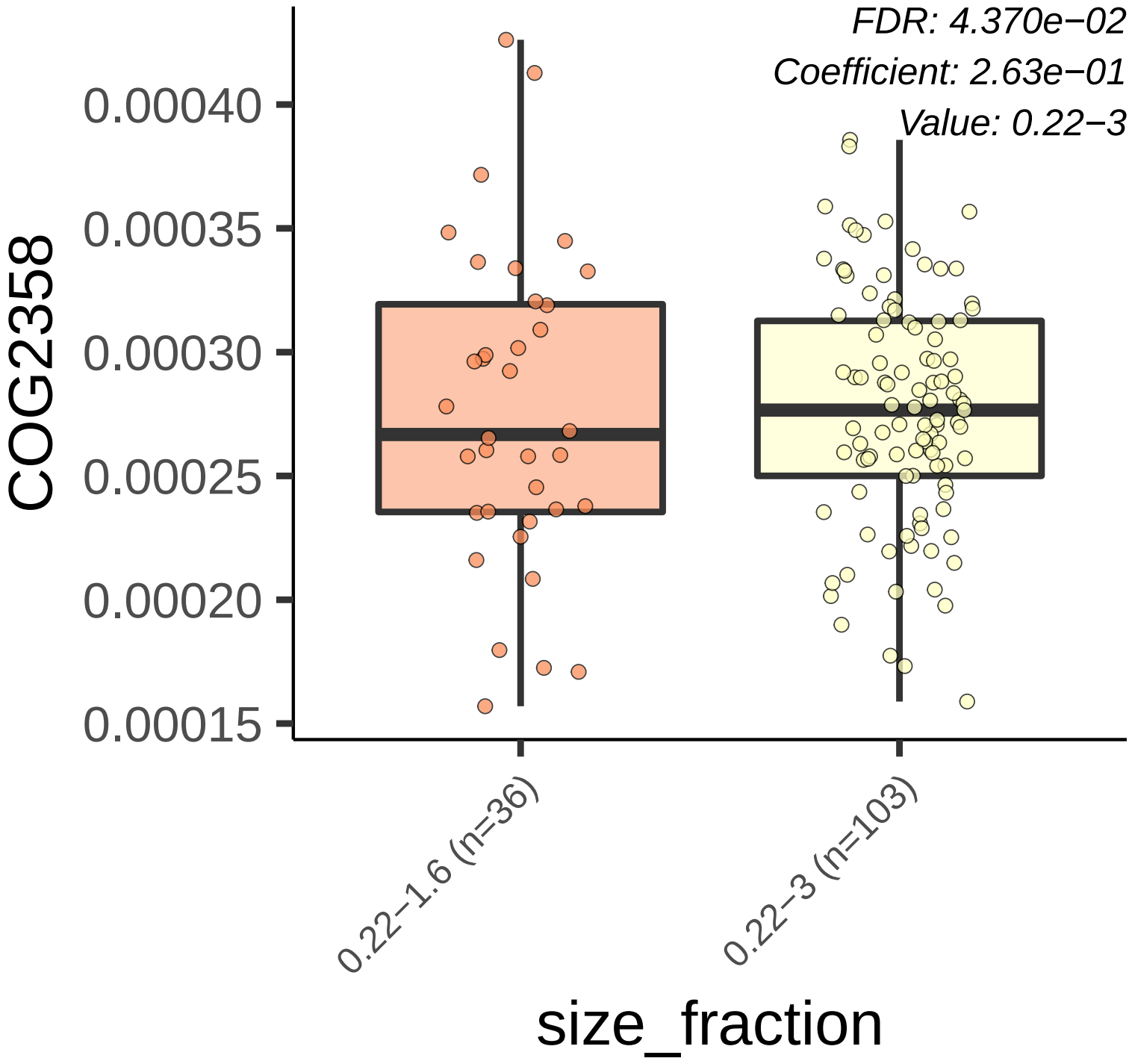

FDR: 4.298e−02
Coefficient: 2.14e+00
Value: 0.22−3
COG2088
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

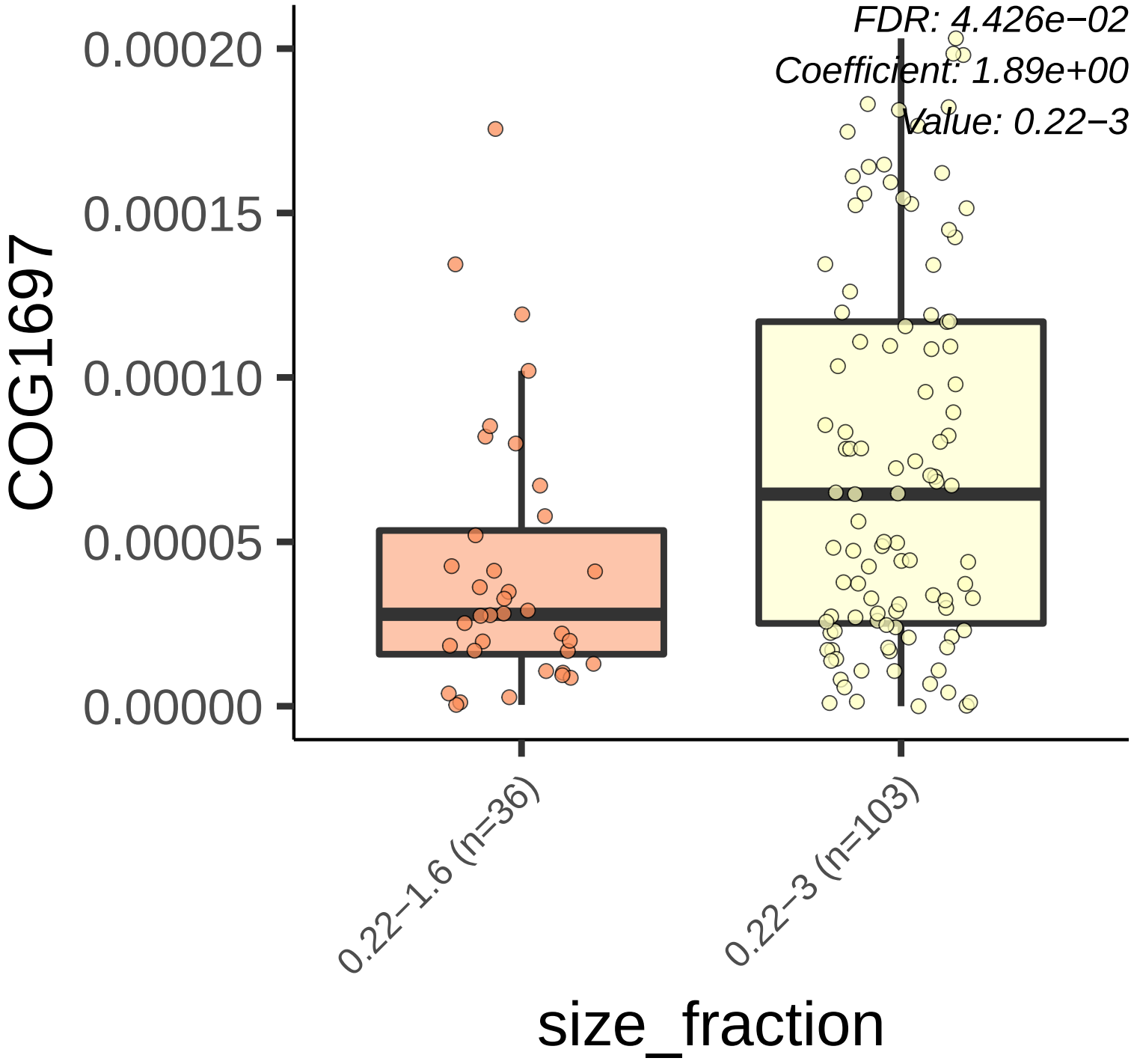

FDR: 4.300e−02
Coefficient: 3.27e+00
Value: 0.22−3
COG2090
0.00012
0.00009
0.00006
0.00003
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

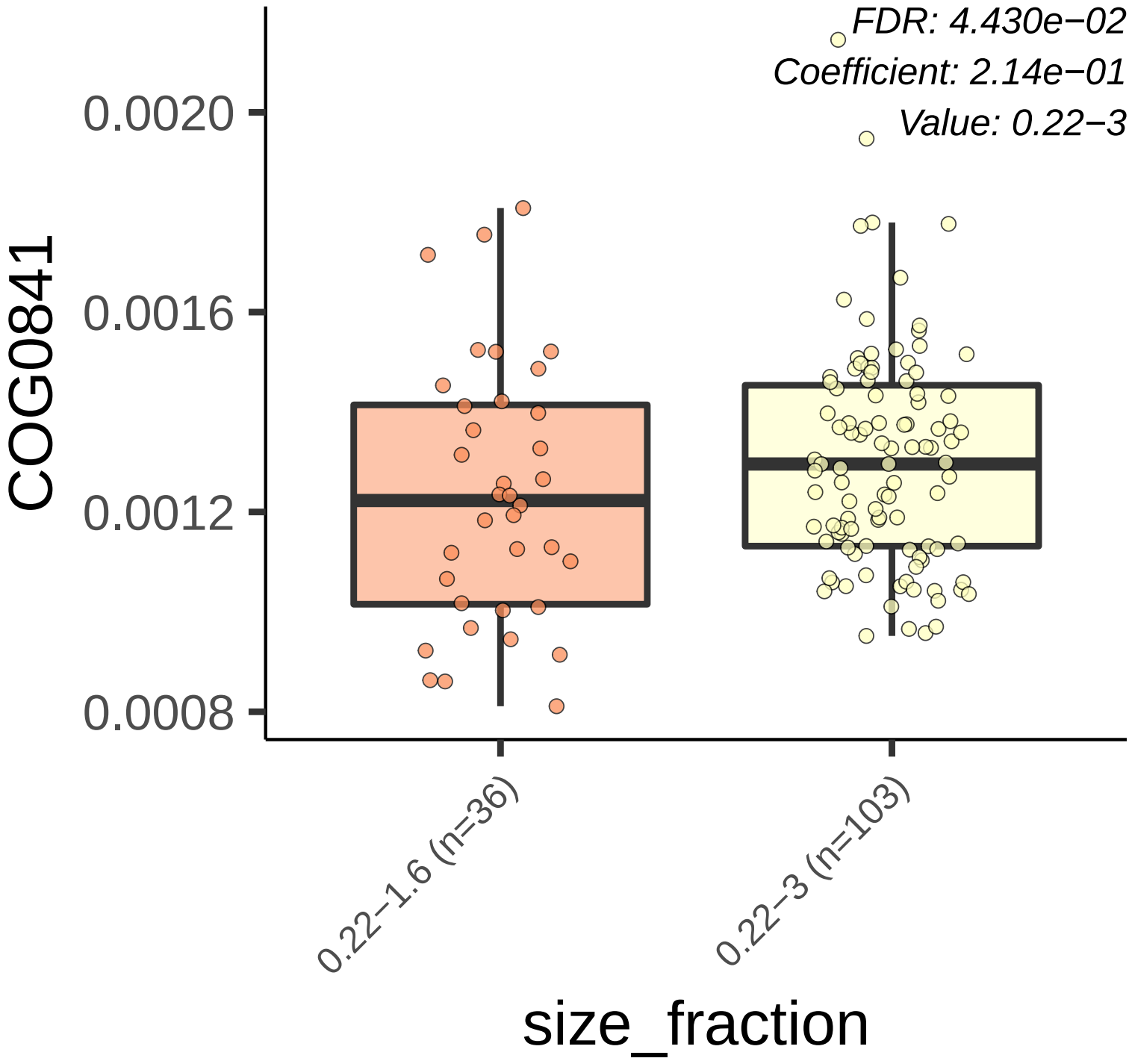

FDR: 4.327e−02
Coefficient: 9.34e−01
Value: 0.22−3
COG2509
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

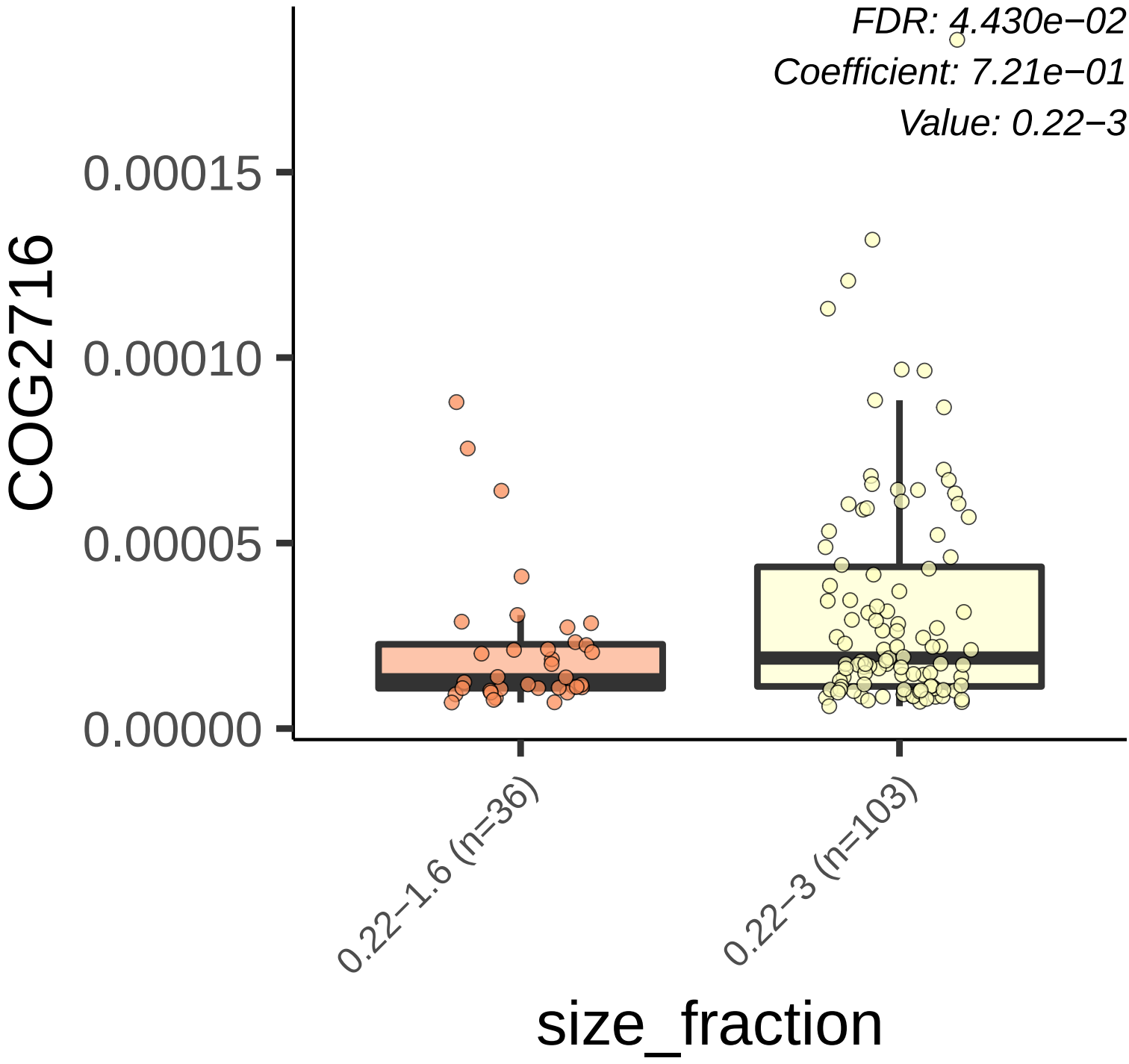

FDR: 4.347e−02
Coefficient: −1.26e+00
Value: 0.22−3
COG4733
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

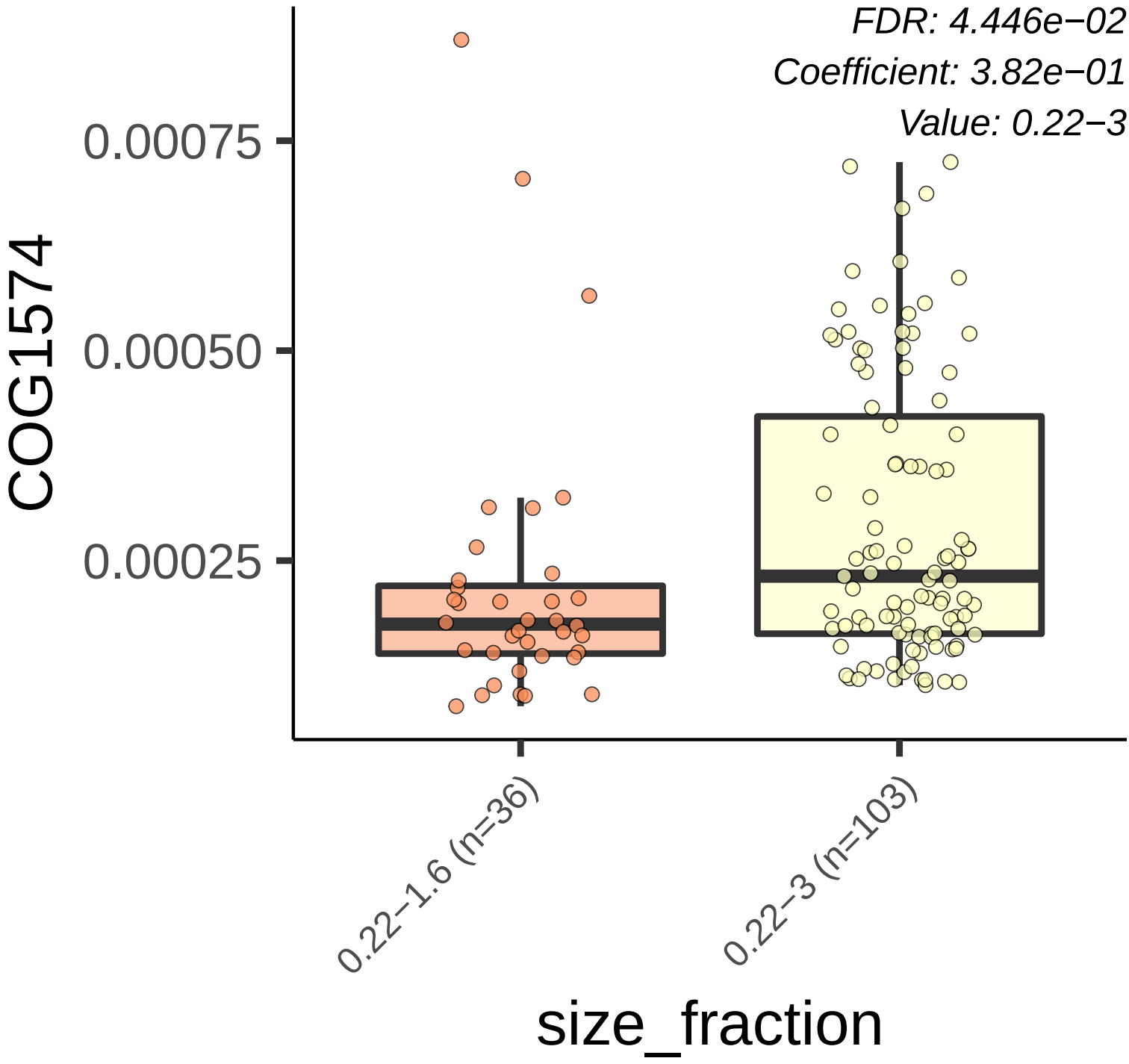

FDR: 4.360e−02
Coefficient: 1.02e+00
Value: 0.22−3
COG3047
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

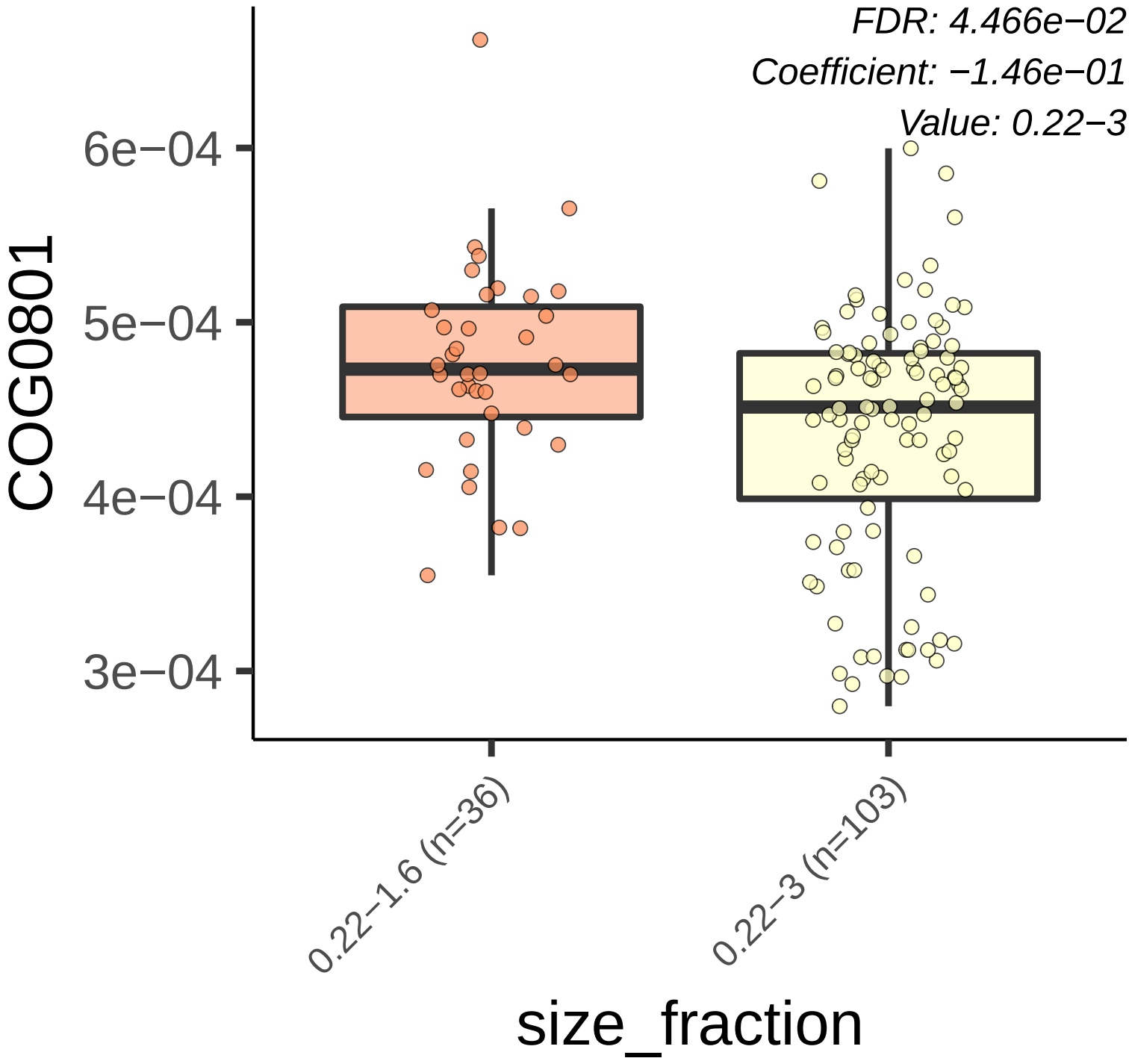

FDR: 4.370e−02
Coefficient: 2.63e−01
Value: 0.22−3
COG2358
0.00040
0.00035
0.00030
0.00025
0.00020
0.00015
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

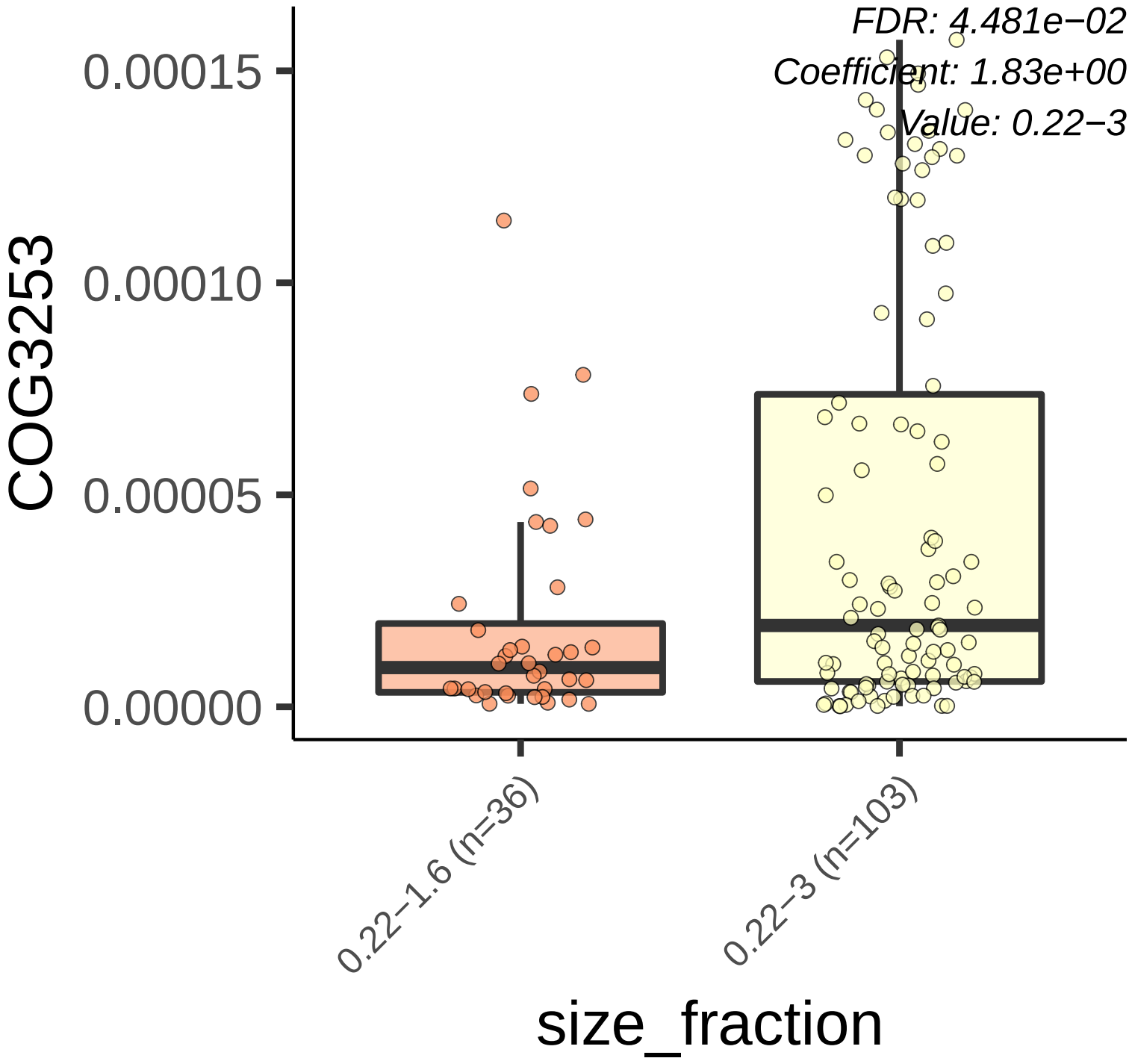

FDR: 4.426e−02
Coefficient: 1.89e+00
Value: 0.22−3
COG1697
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

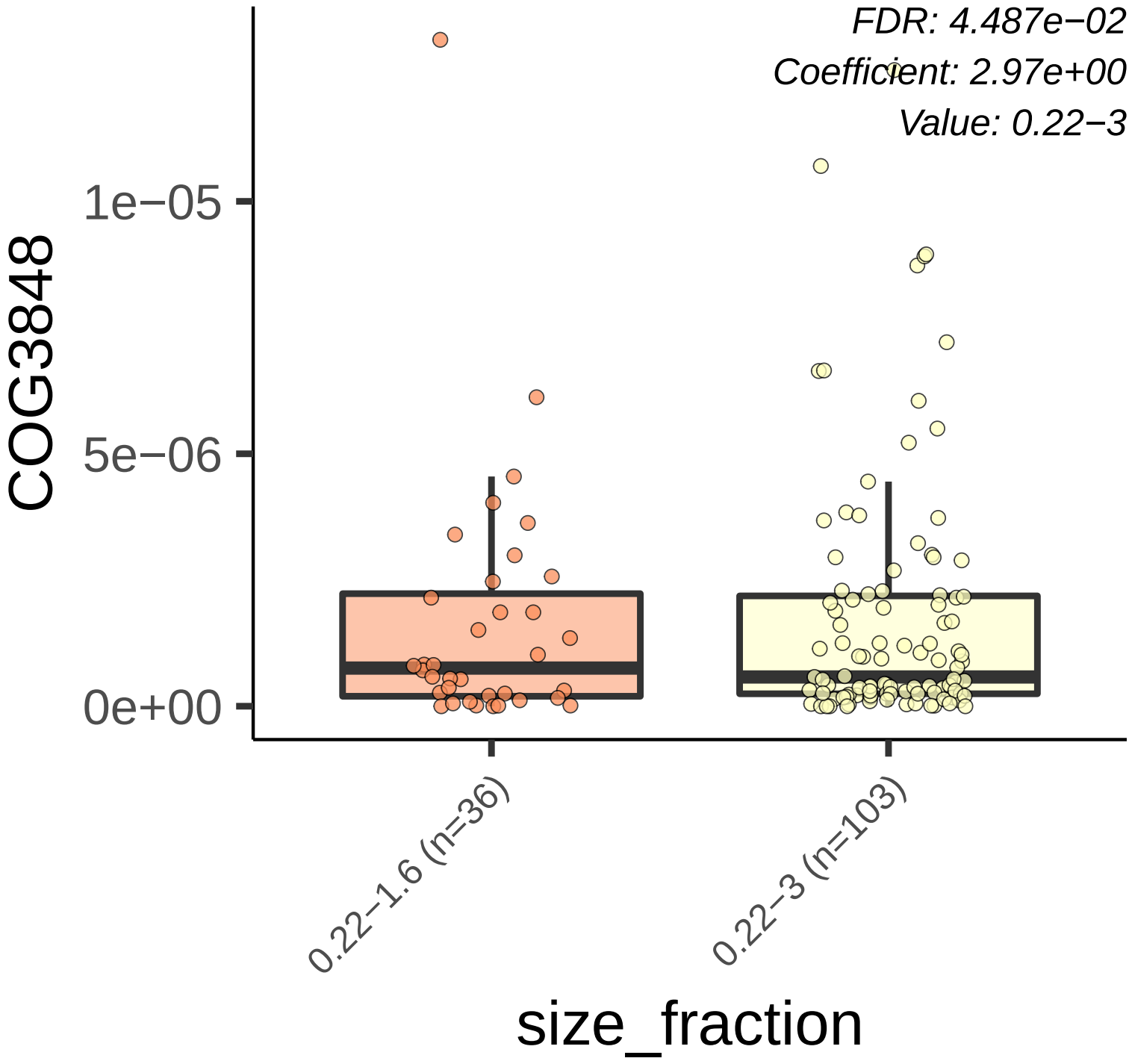

FDR: 4.430e−02
Coefficient: 2.14e−01
Value: 0.22−3
COG0841
0.0020
0.0016
0.0012
0.0008
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

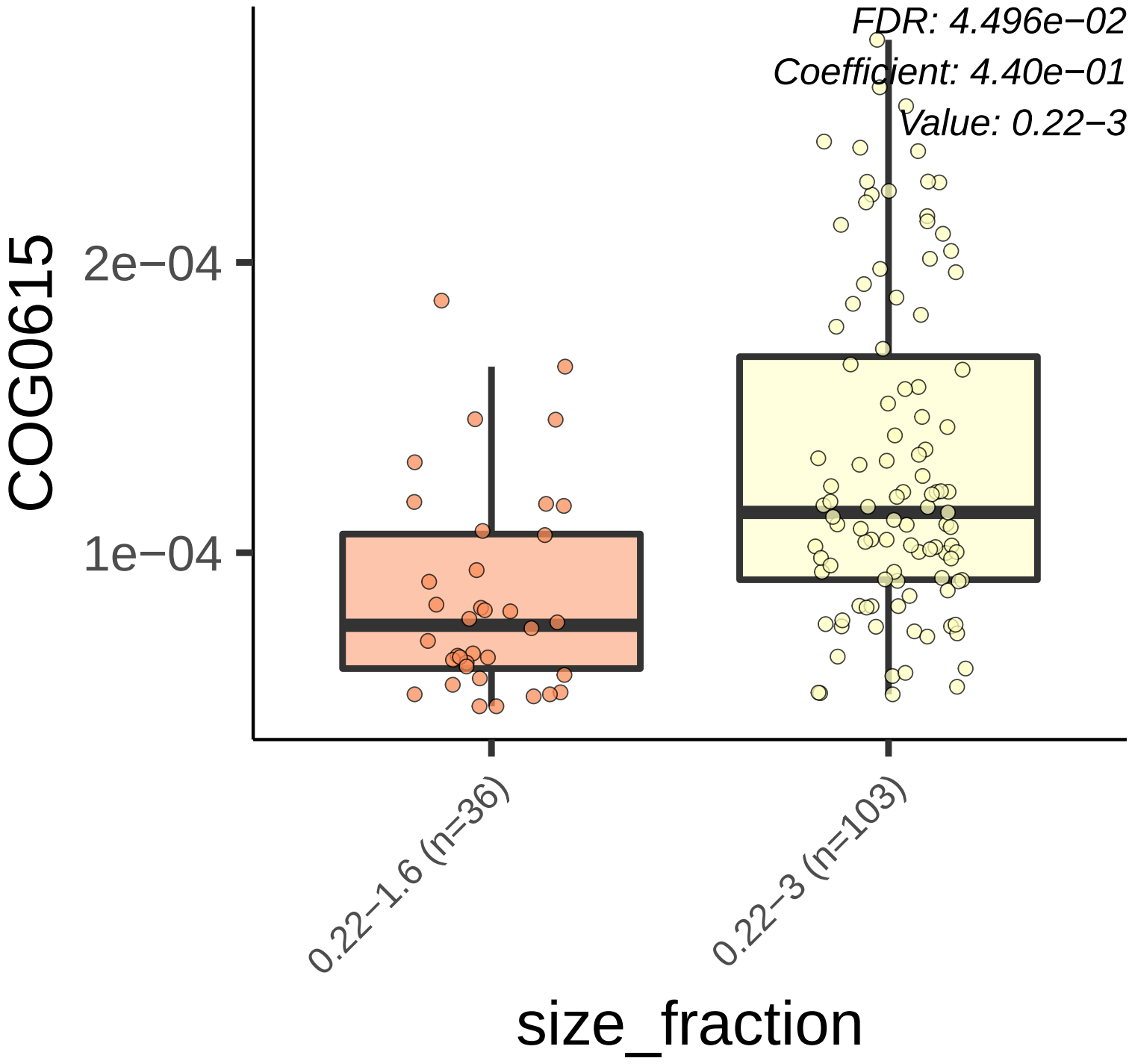

FDR: 4.430e−02
Coefficient: 7.21e−01
Value: 0.22−3
COG2716
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

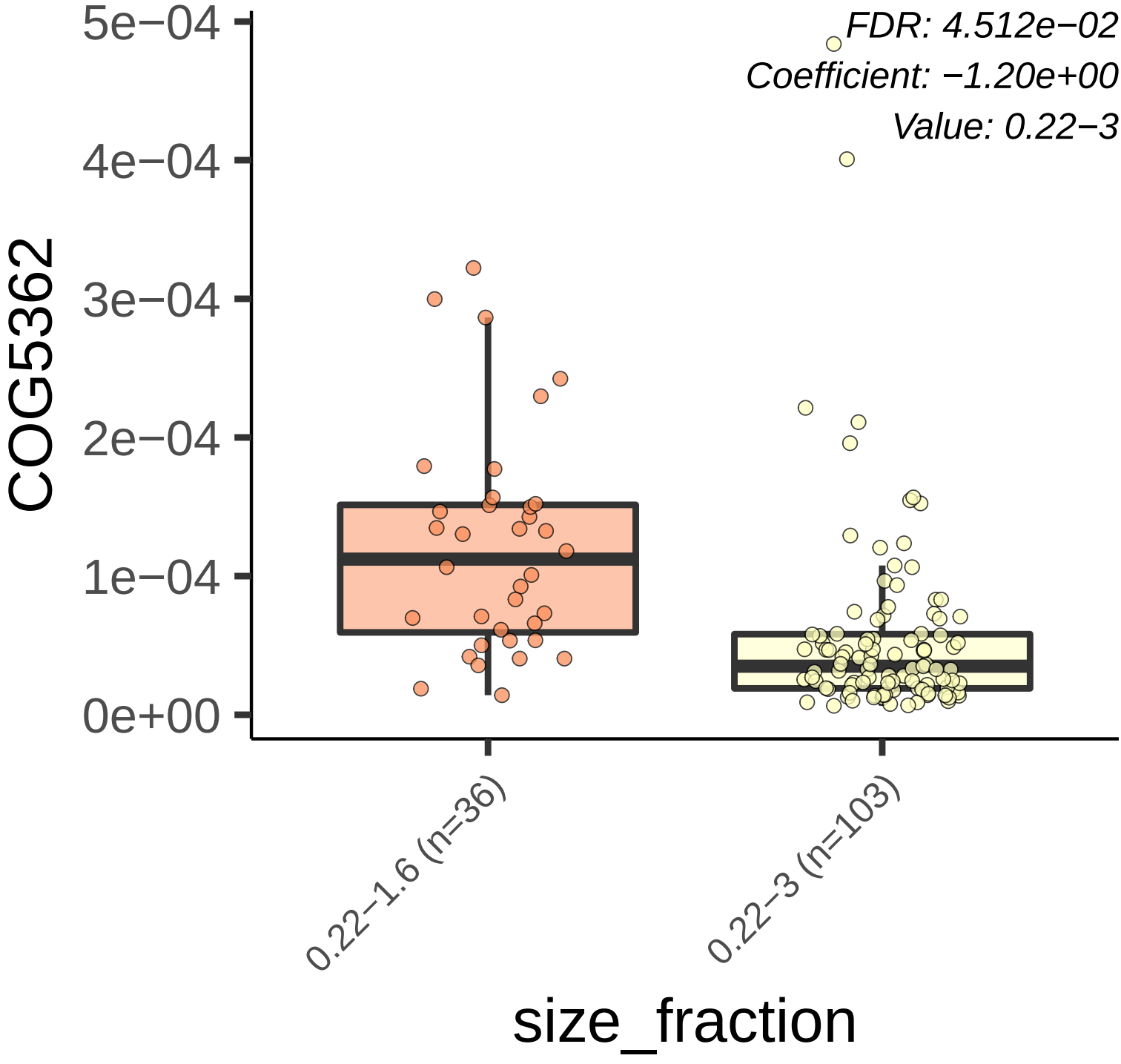

FDR: 4.446e−02
Coefficient: 3.82e−01
Value: 0.22−3
COG1574
0.00075
0.00050
0.00025
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

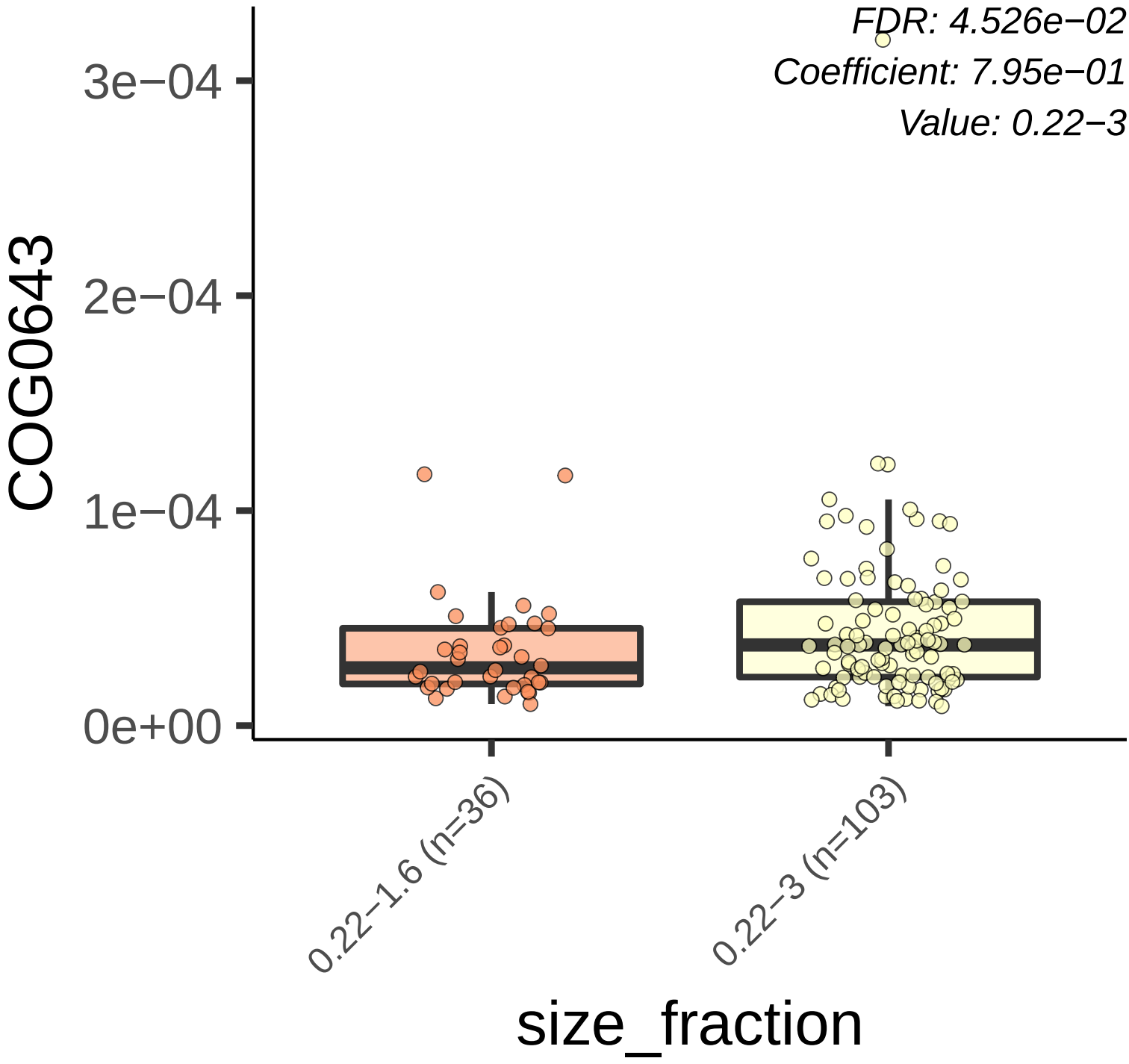

FDR: 4.466e−02
Coefficient: −1.46e−01
Value: 0.22−3
COG0801
6e−04
5e−04
4e−04
3e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

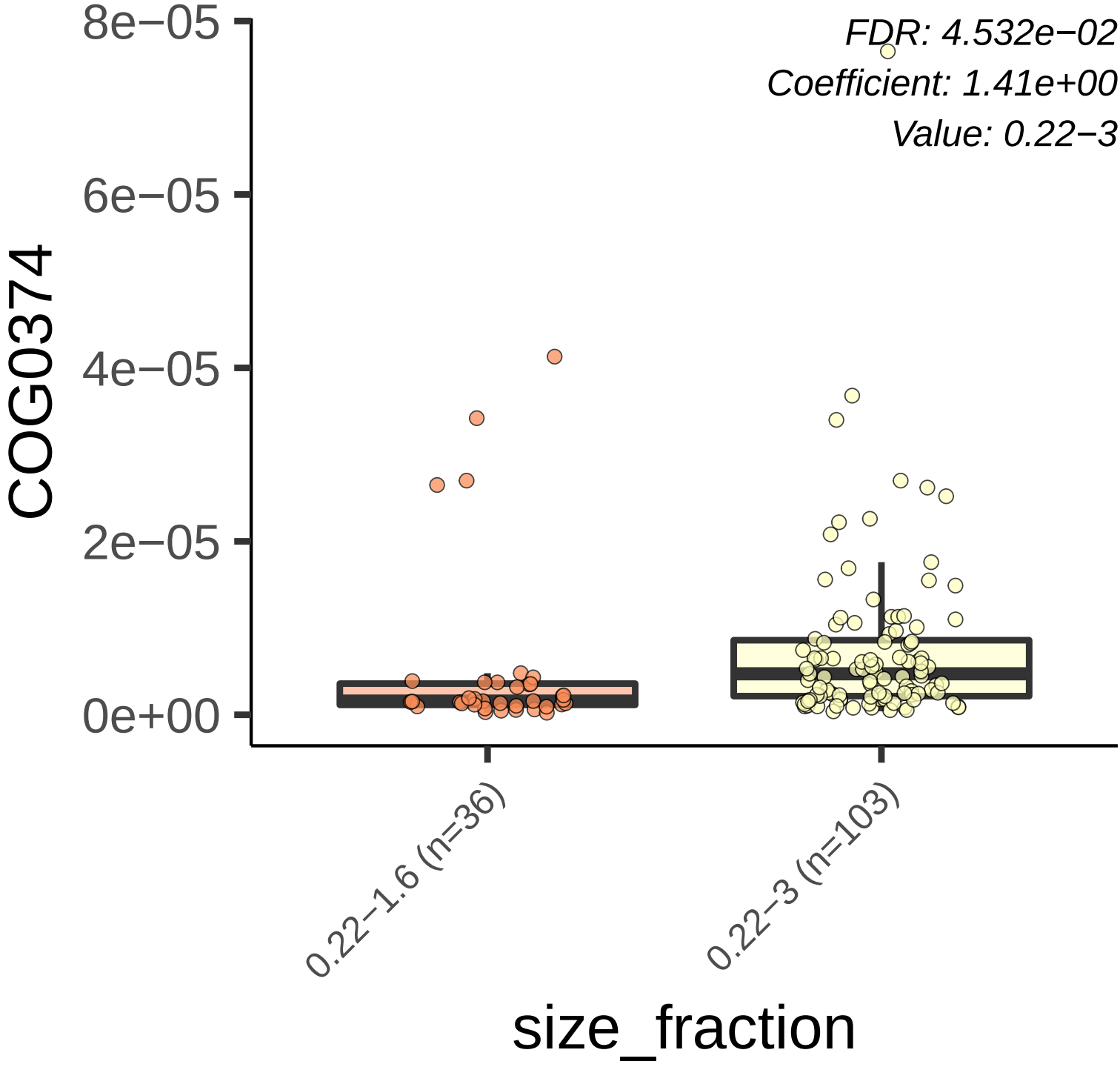

FDR: 4.481e−02
Coefficient: 1.83e+00
Value: 0.22−3
COG3253
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

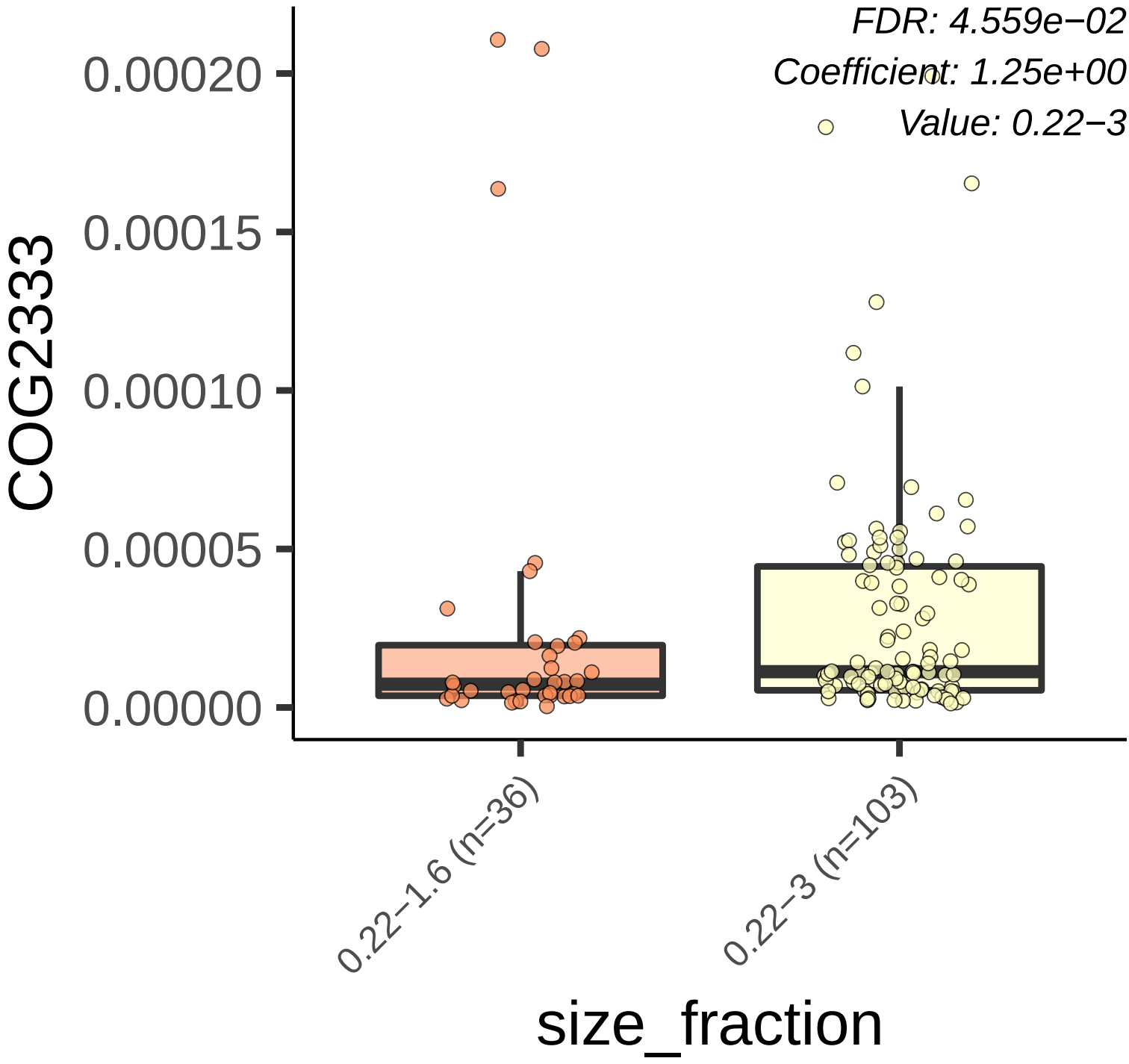

FDR: 4.487e−02
Coefficient: 2.97e+00
Value: 0.22−3
COG3848
1e−05
5e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

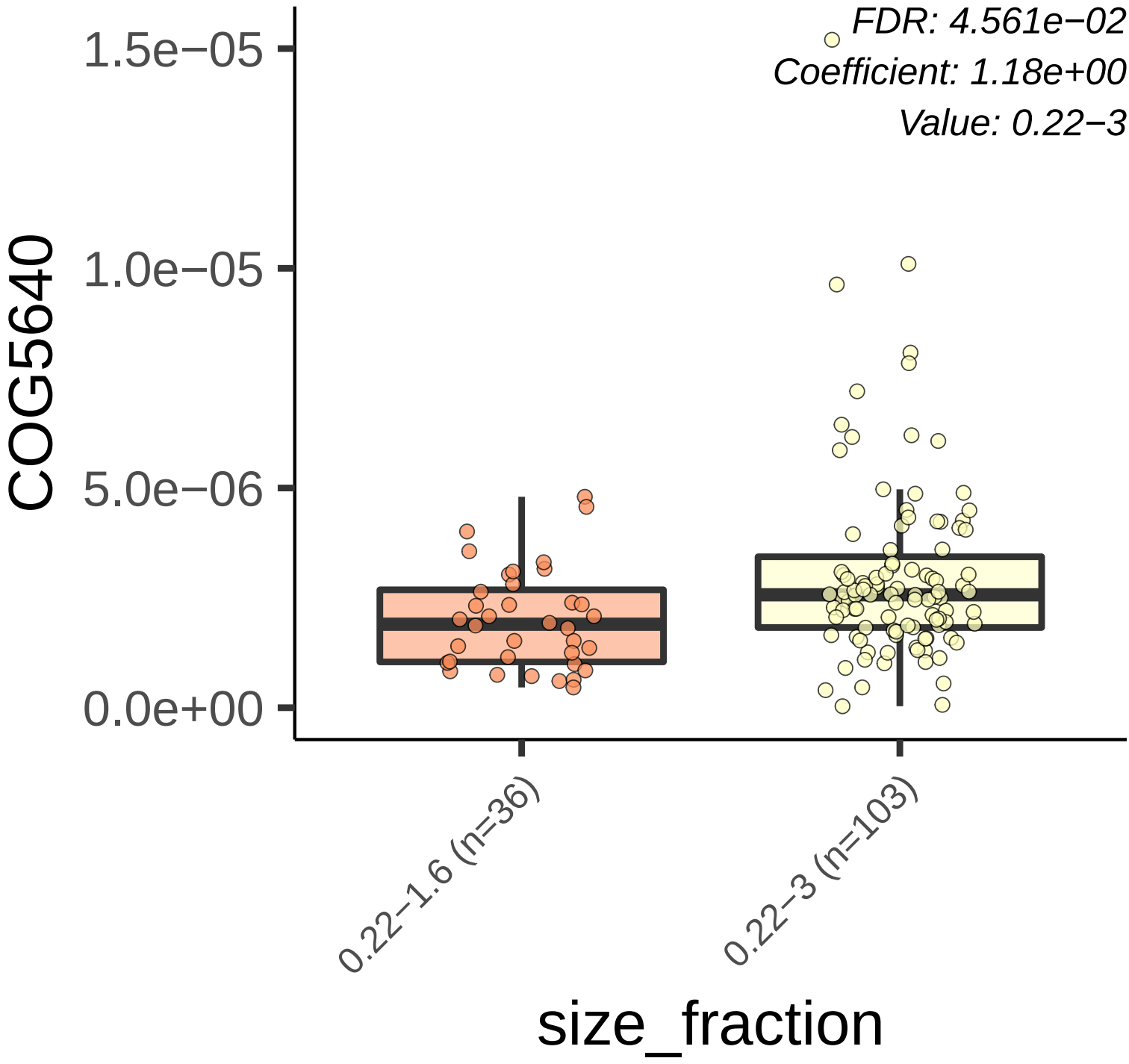

FDR: 4.496e−02
Coefficient: 4.40e−01
Value: 0.22−3
COG0615
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

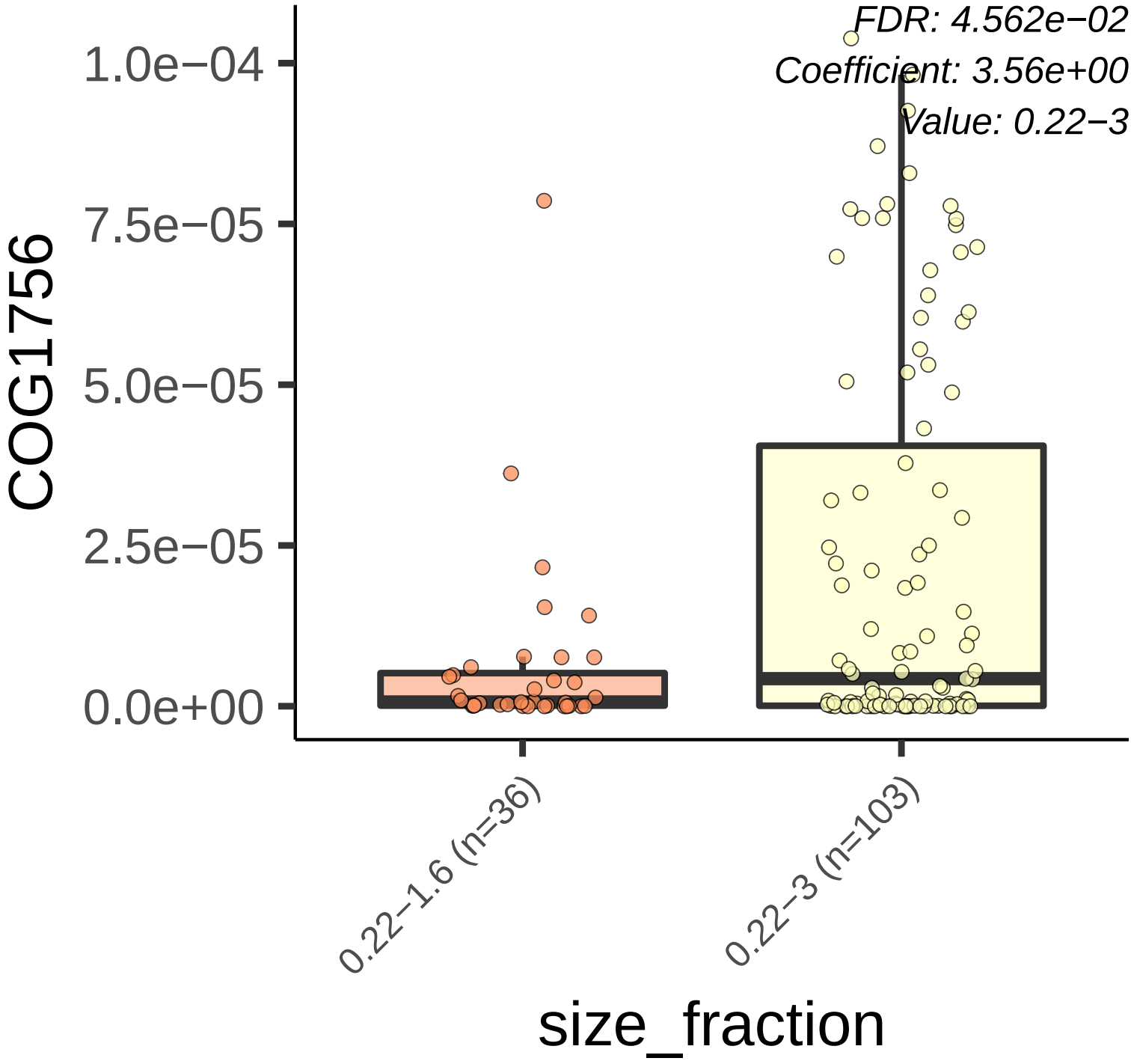

FDR: 4.512e−02
Coefficient: −1.20e+00
Value: 0.22−3
COG5362
5e−04
4e−04
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

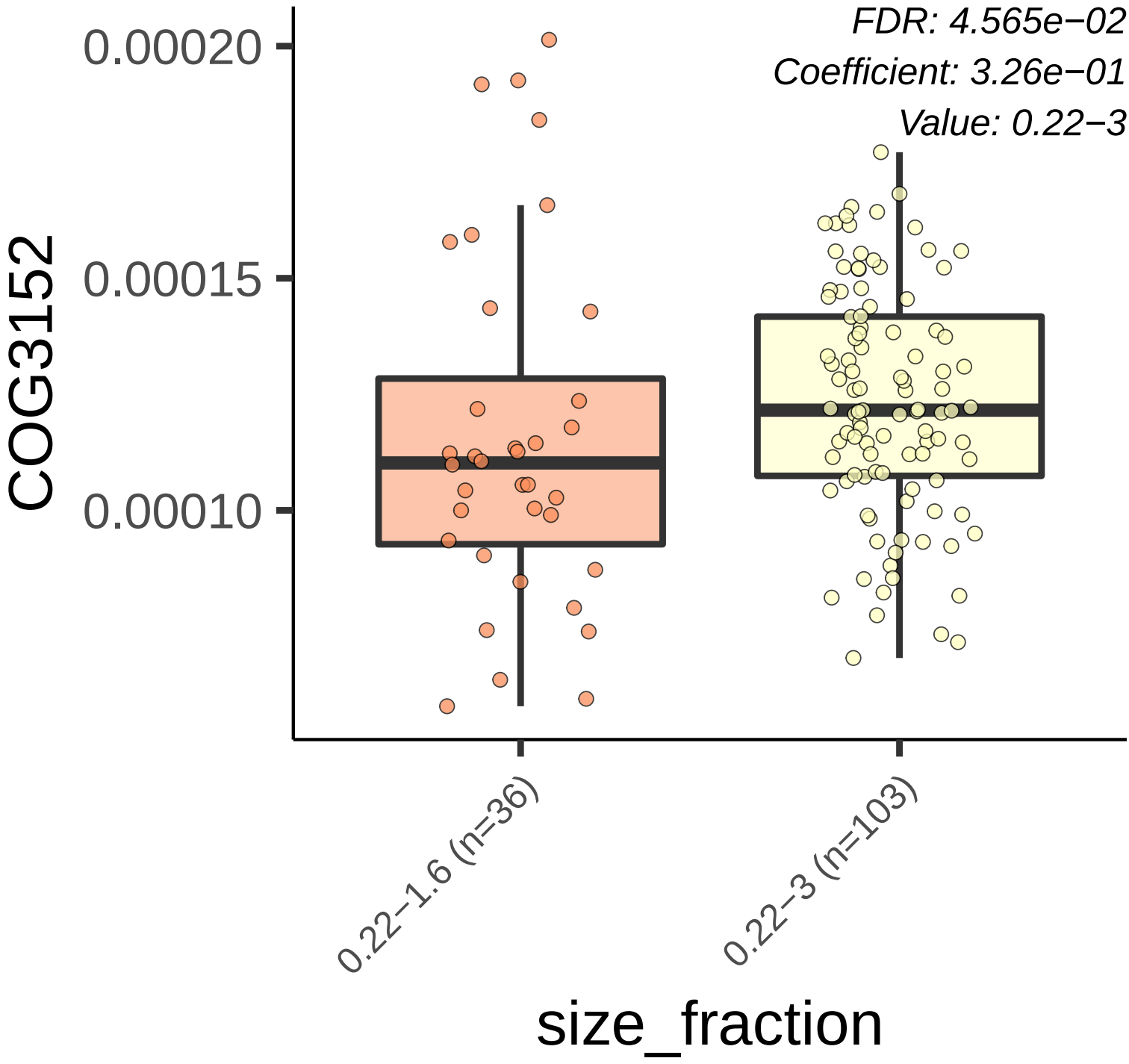

FDR: 4.526e−02
Coefficient: 7.95e−01
Value: 0.22−3
COG0643
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

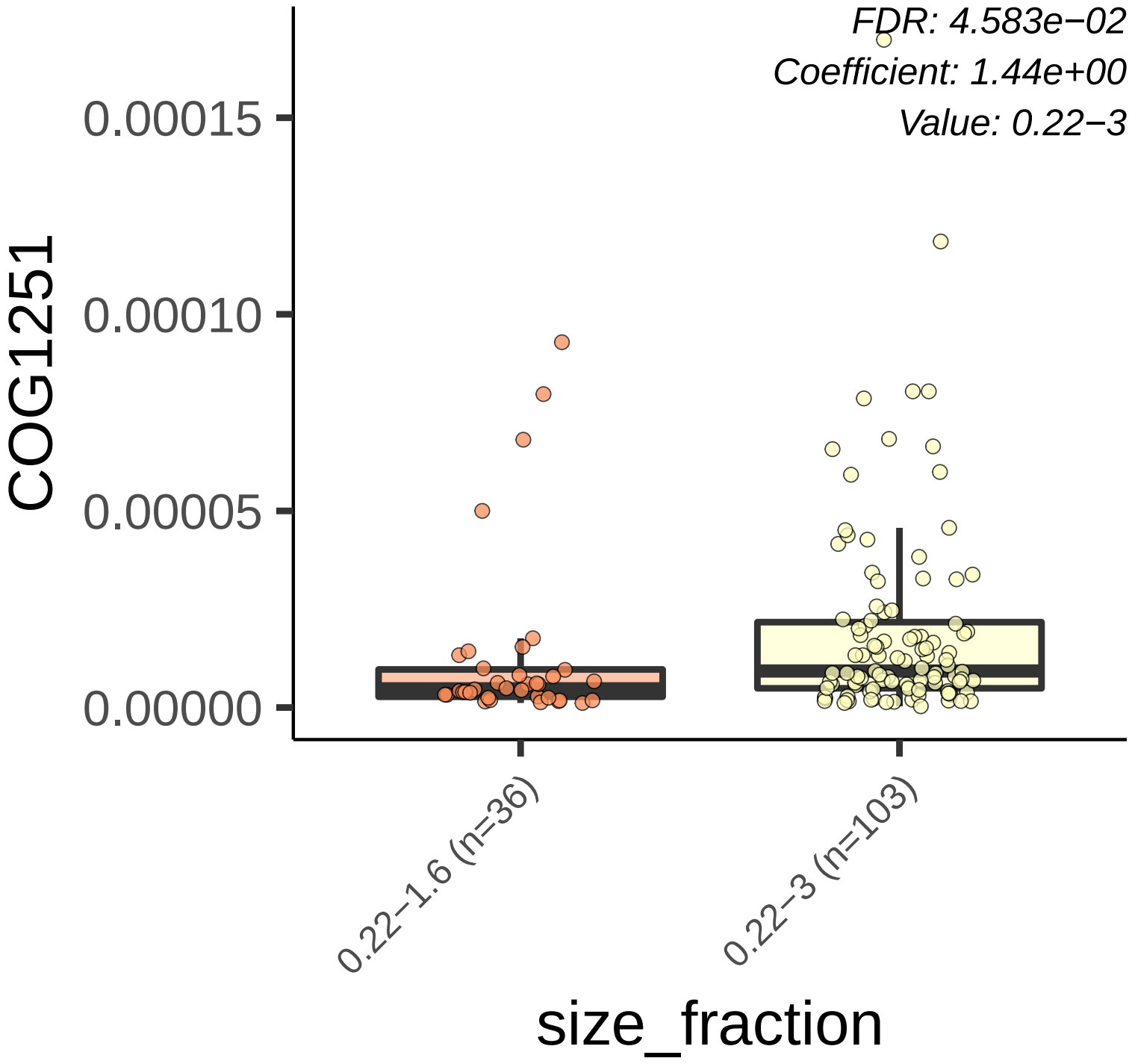

FDR: 4.532e−02
Coefficient: 1.41e+00
Value: 0.22−3
COG0374
8e−05
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

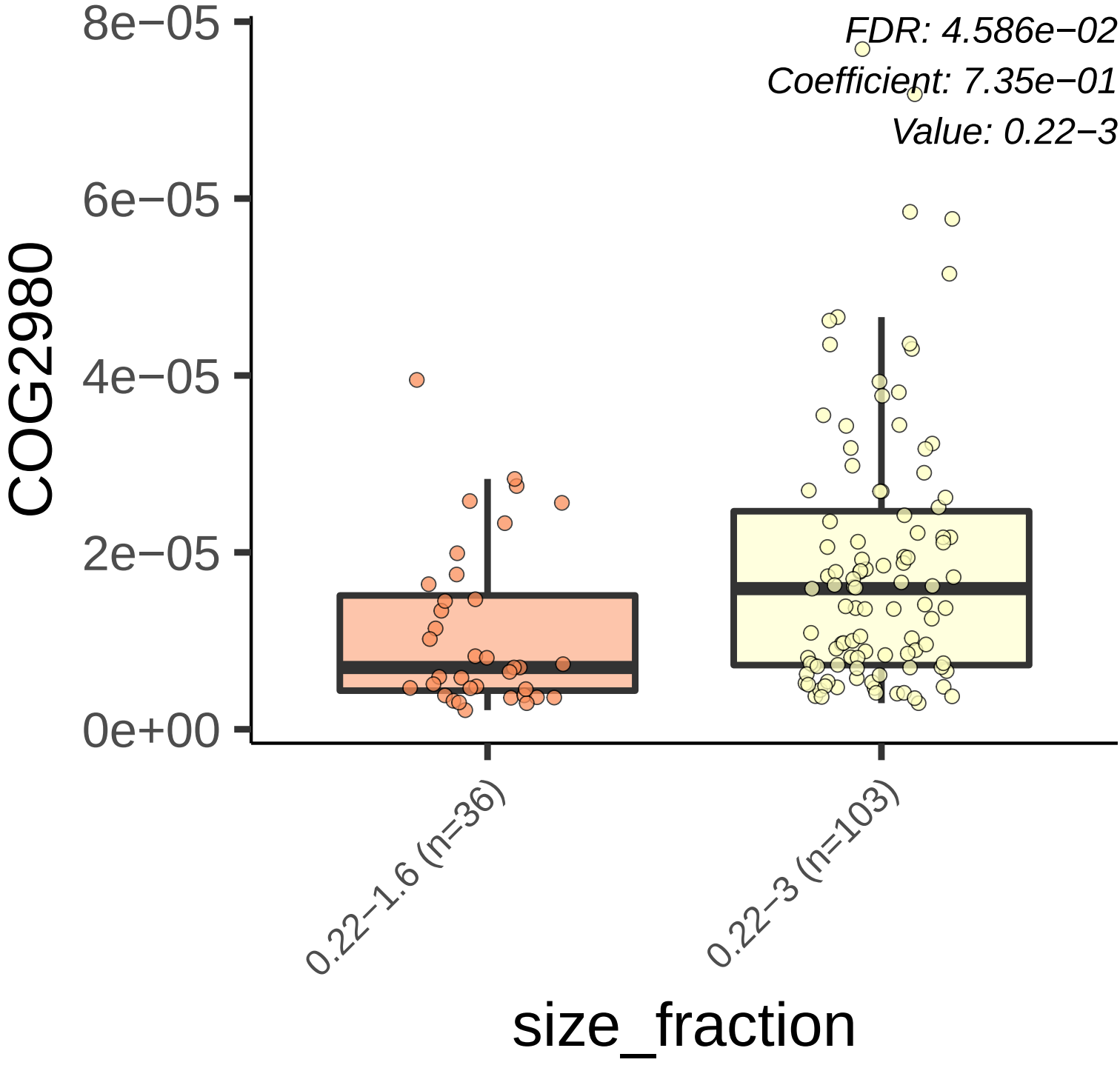

FDR: 4.559e−02
Coefficient: 1.25e+00
Value: 0.22−3
COG2333
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

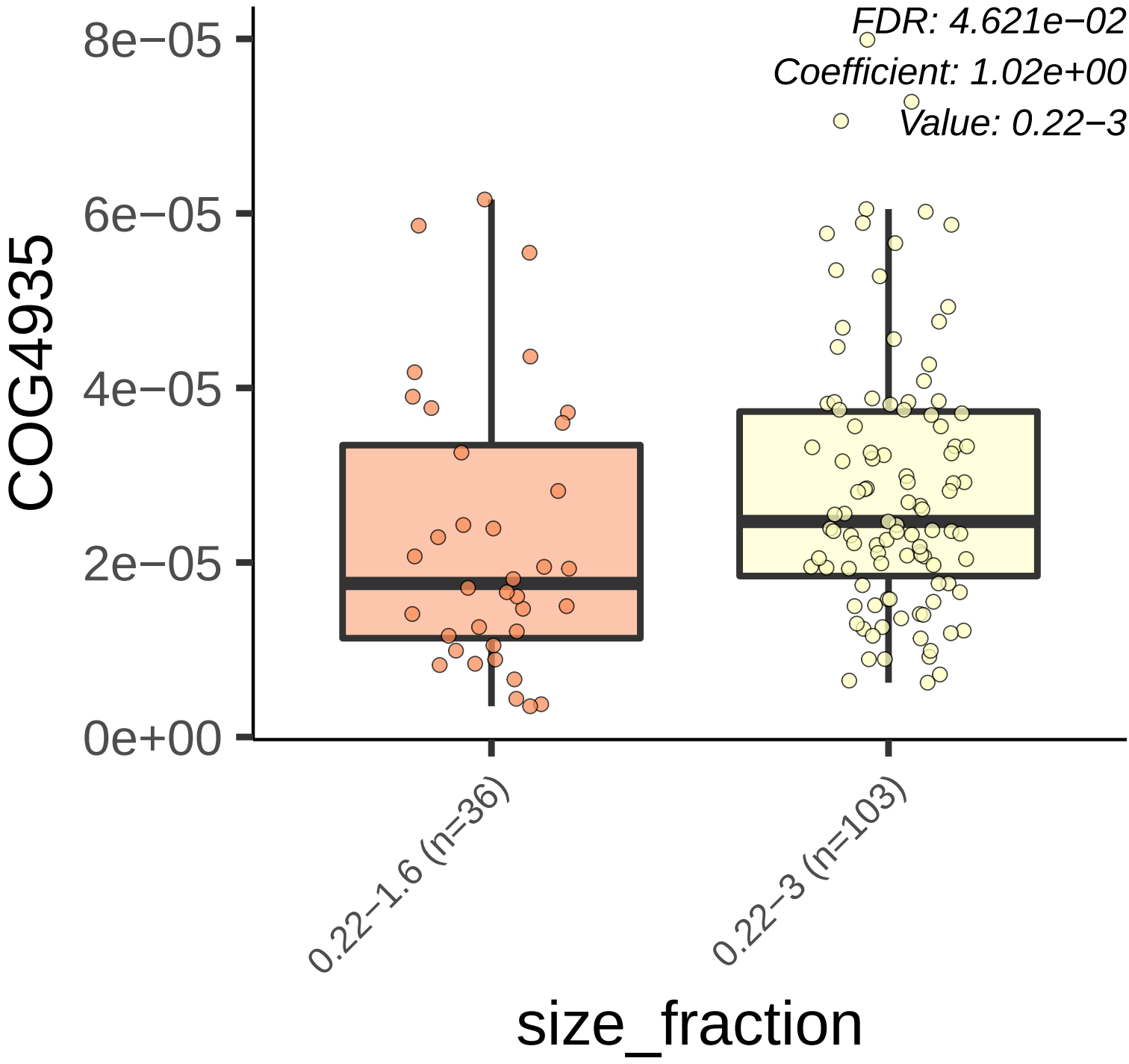

FDR: 4.561e−02
Coefficient: 1.18e+00
Value: 0.22−3
COG5640
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

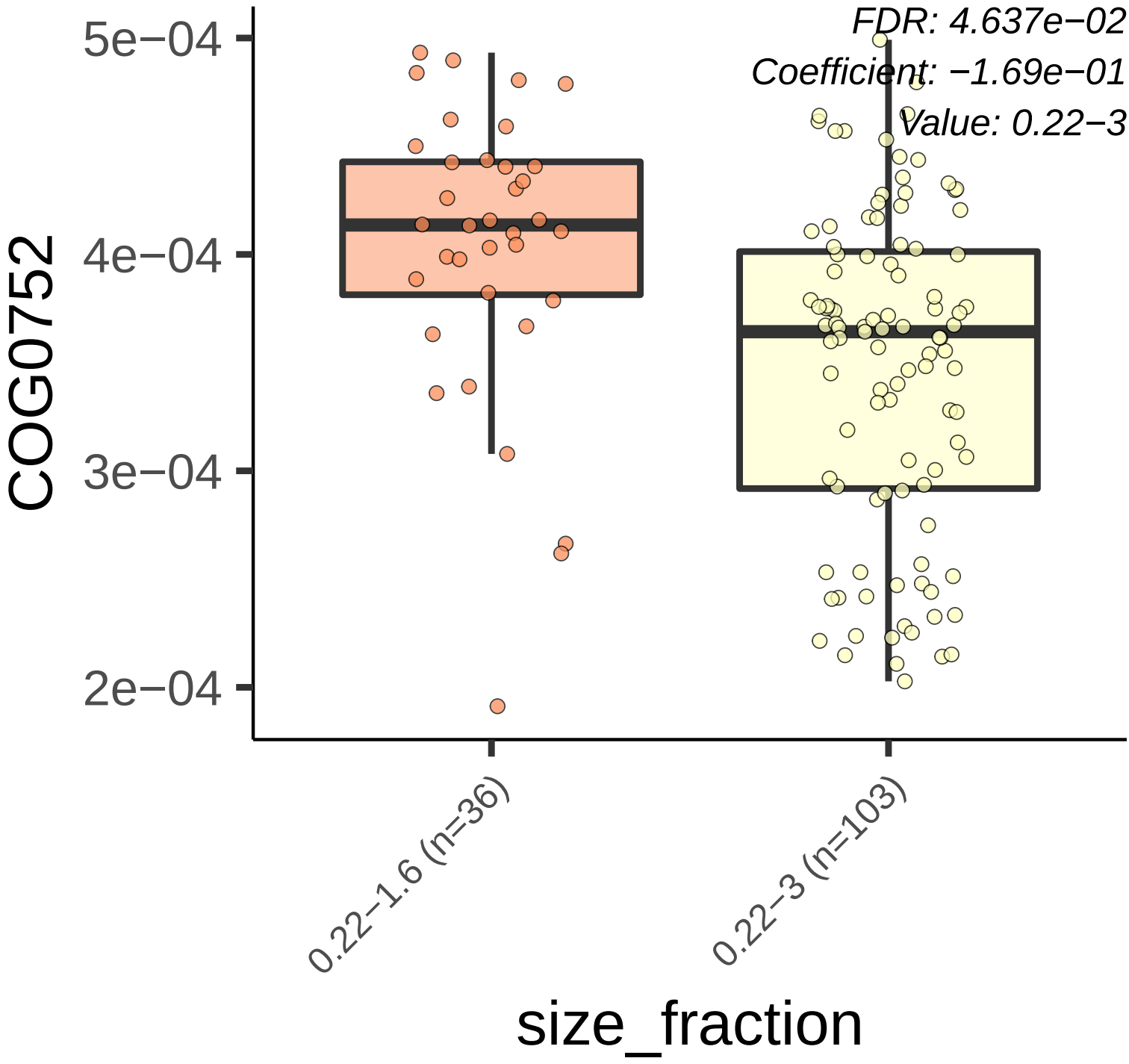

FDR: 4.562e−02
Coefficient: 3.56e+00
Value: 0.22−3
COG1756
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

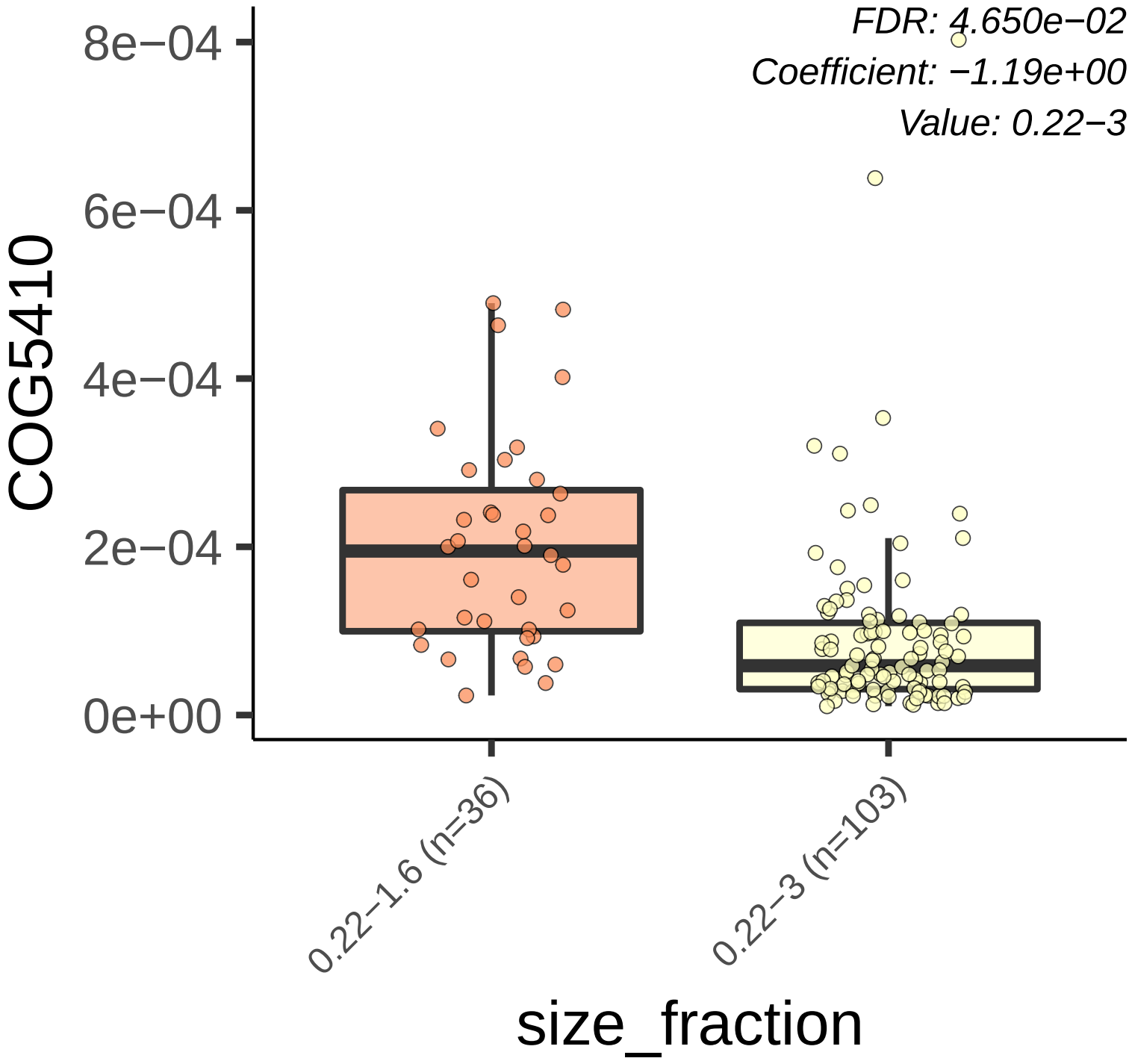

FDR: 4.565e−02
Coefficient: 3.26e−01
Value: 0.22−3
COG3152
0.00020
0.00015
0.00010
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

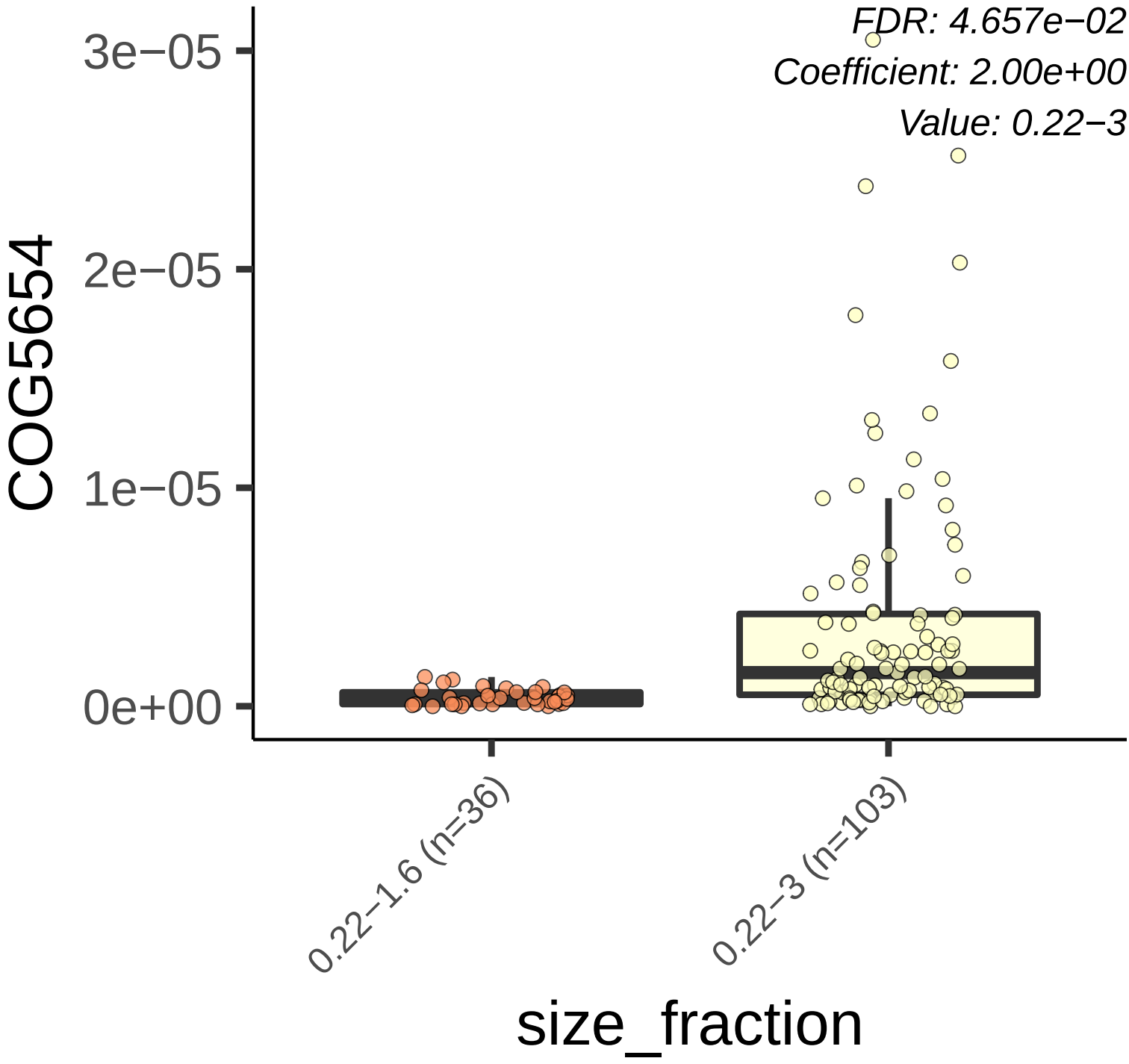

FDR: 4.583e−02
Coefficient: 1.44e+00
Value: 0.22−3
COG1251
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

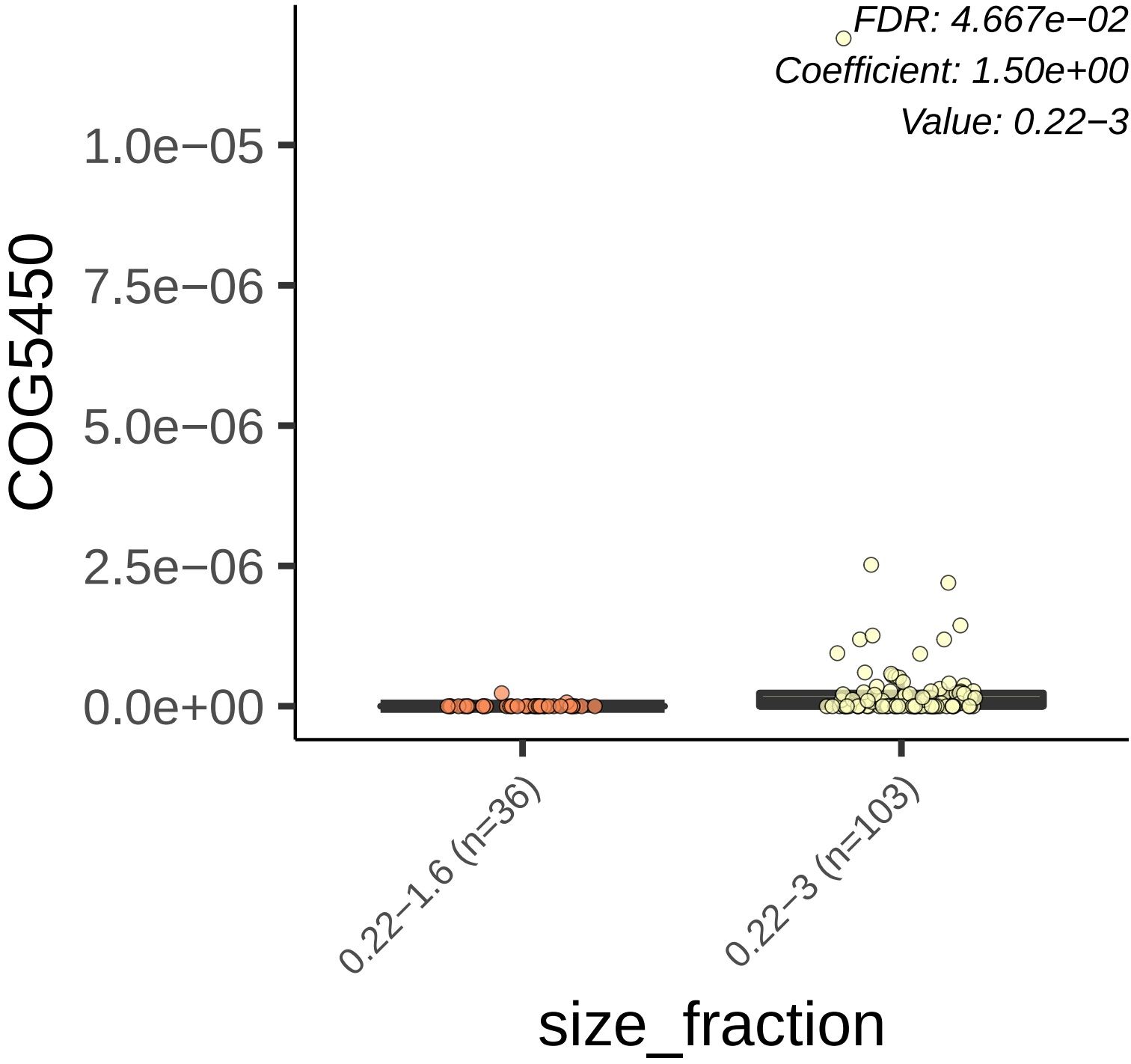

FDR: 4.586e−02
Coefficient: 7.35e−01
Value: 0.22−3
COG2980
8e−05
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

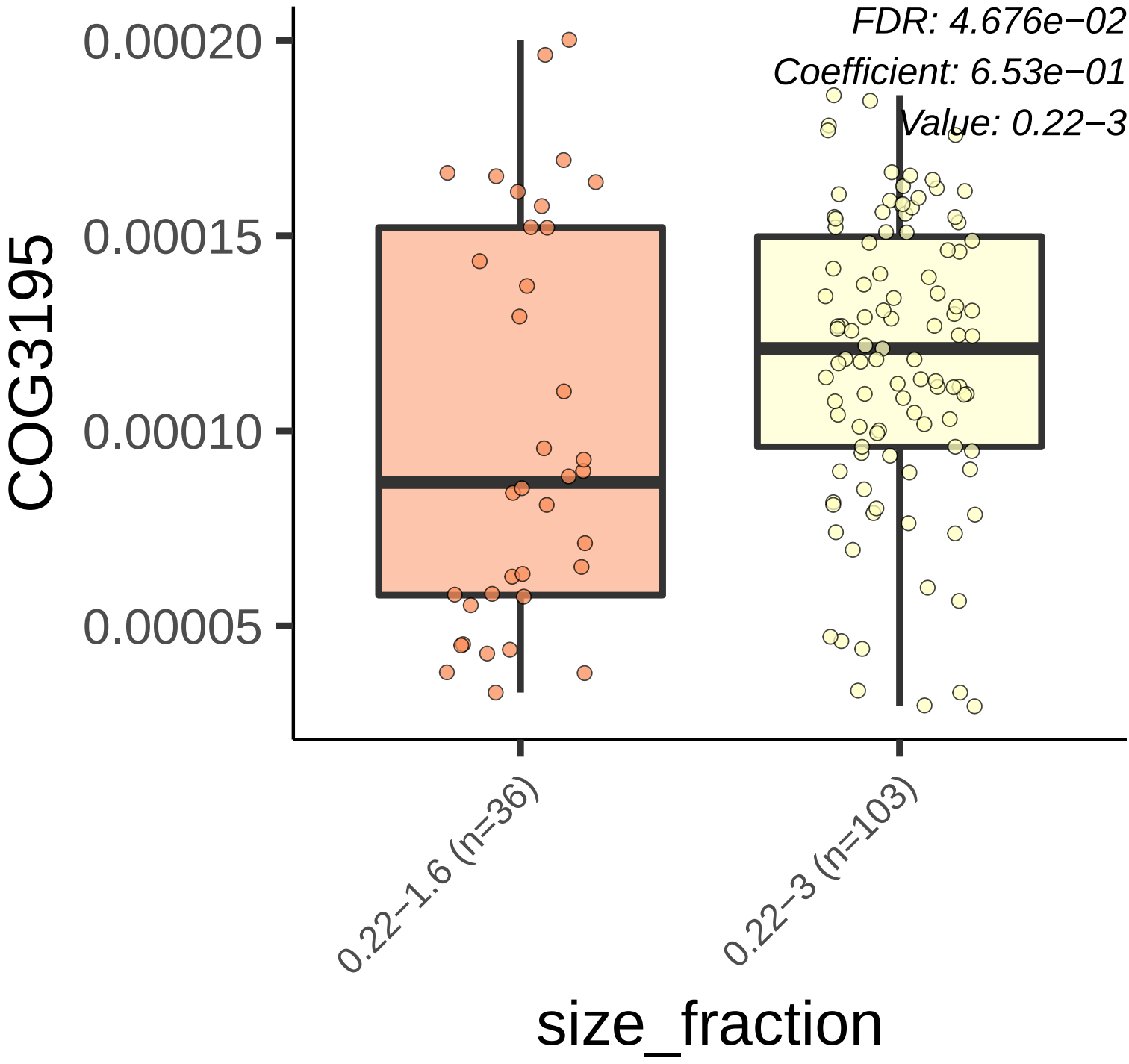

FDR: 4.621e−02
Coefficient: 1.02e+00
Value: 0.22−3
8e−05
6e−05
4e−05
2e−05
0e+00
COG4935
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

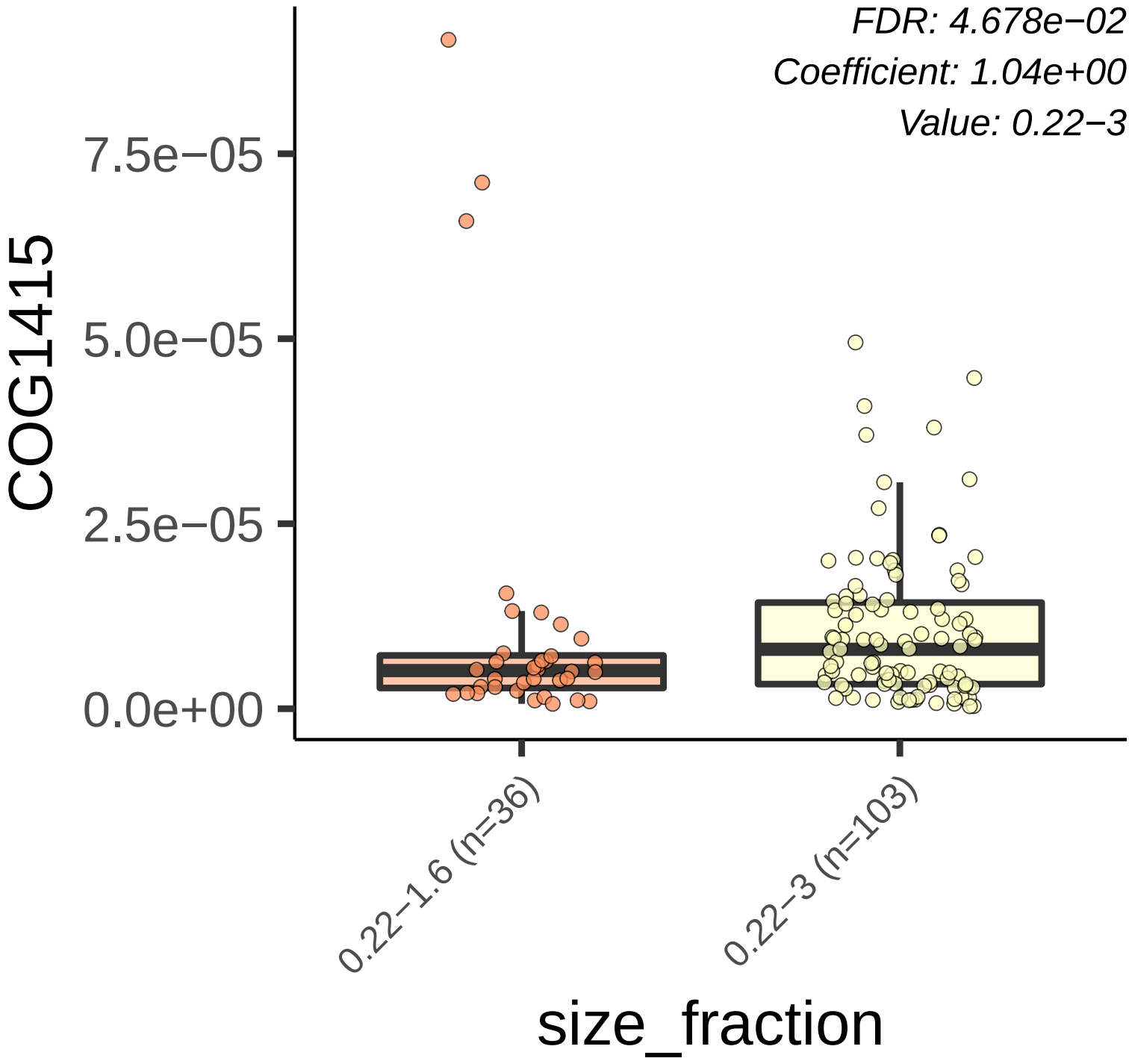

FDR: 4.637e−02
Coefficient: −1.69e−01
Value: 0.22−3
5e−04
4e−04
3e−04
2e−04
COG0752
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

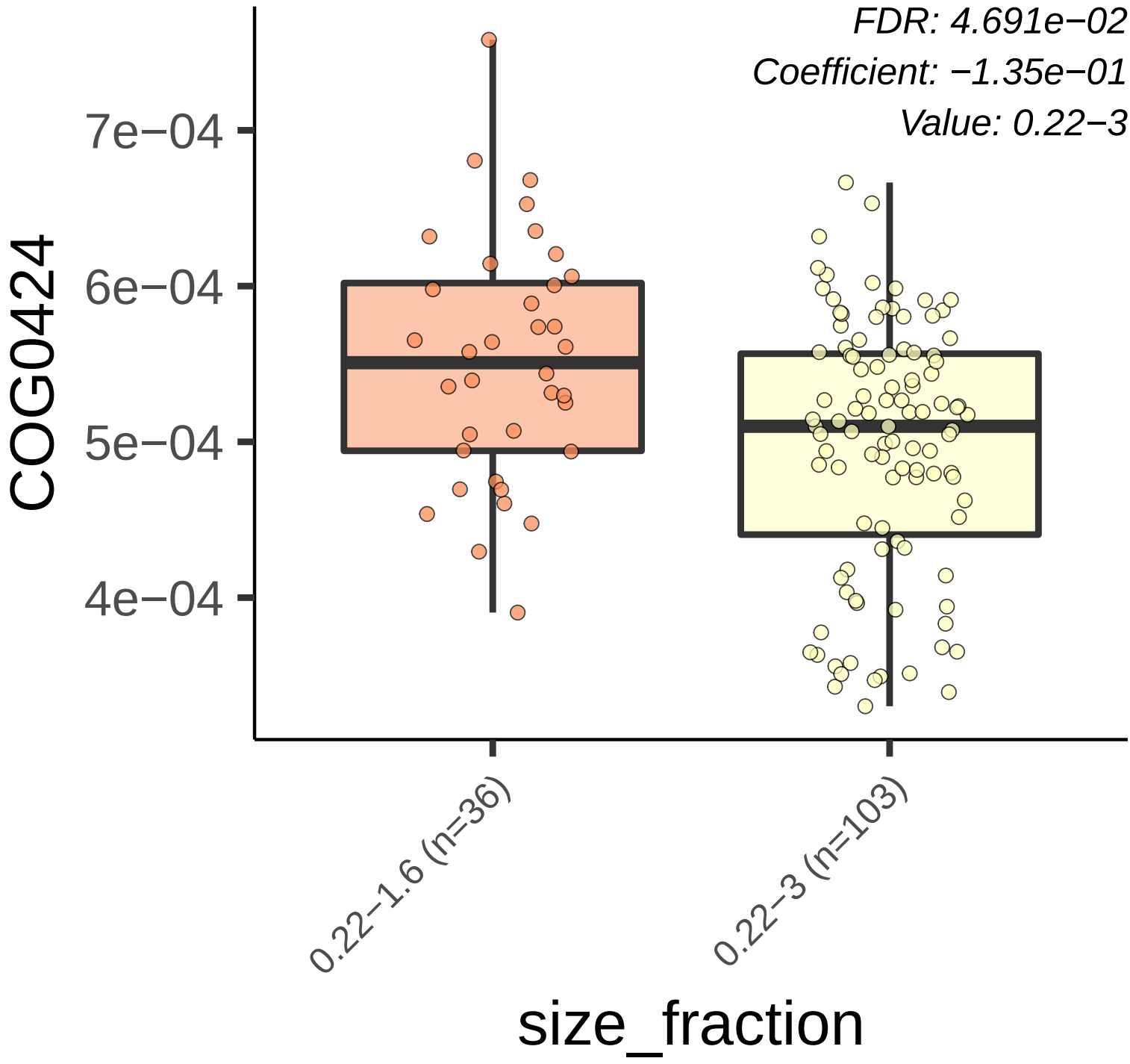

FDR: 4.650e−02
Coefficient: −1.19e+00
Value: 0.22−3
COG5410
8e−04
6e−04
4e−04
2e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

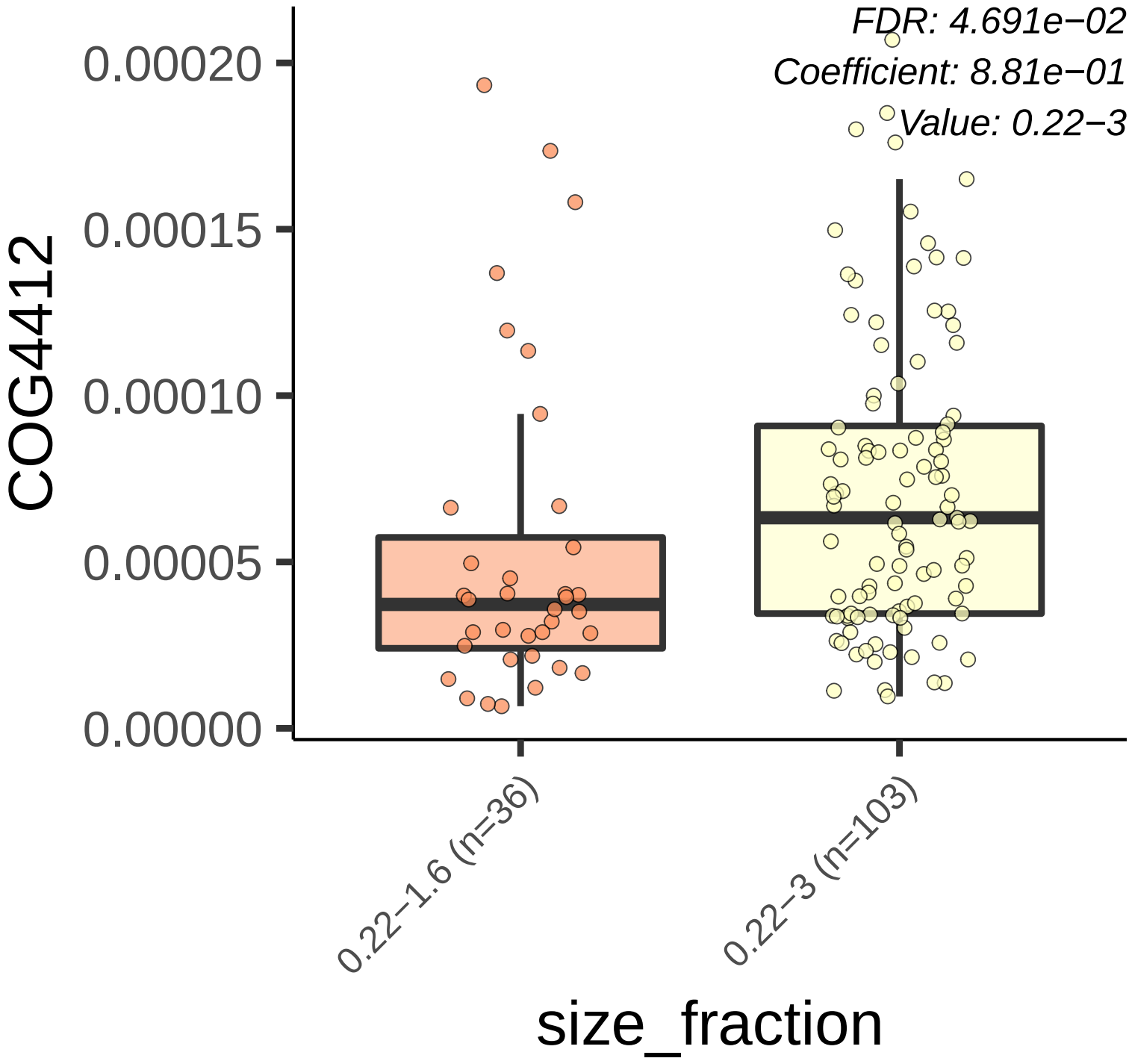

FDR: 4.657e−02
Coefficient: 2.00e+00
Value: 0.22−3
COG5654
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

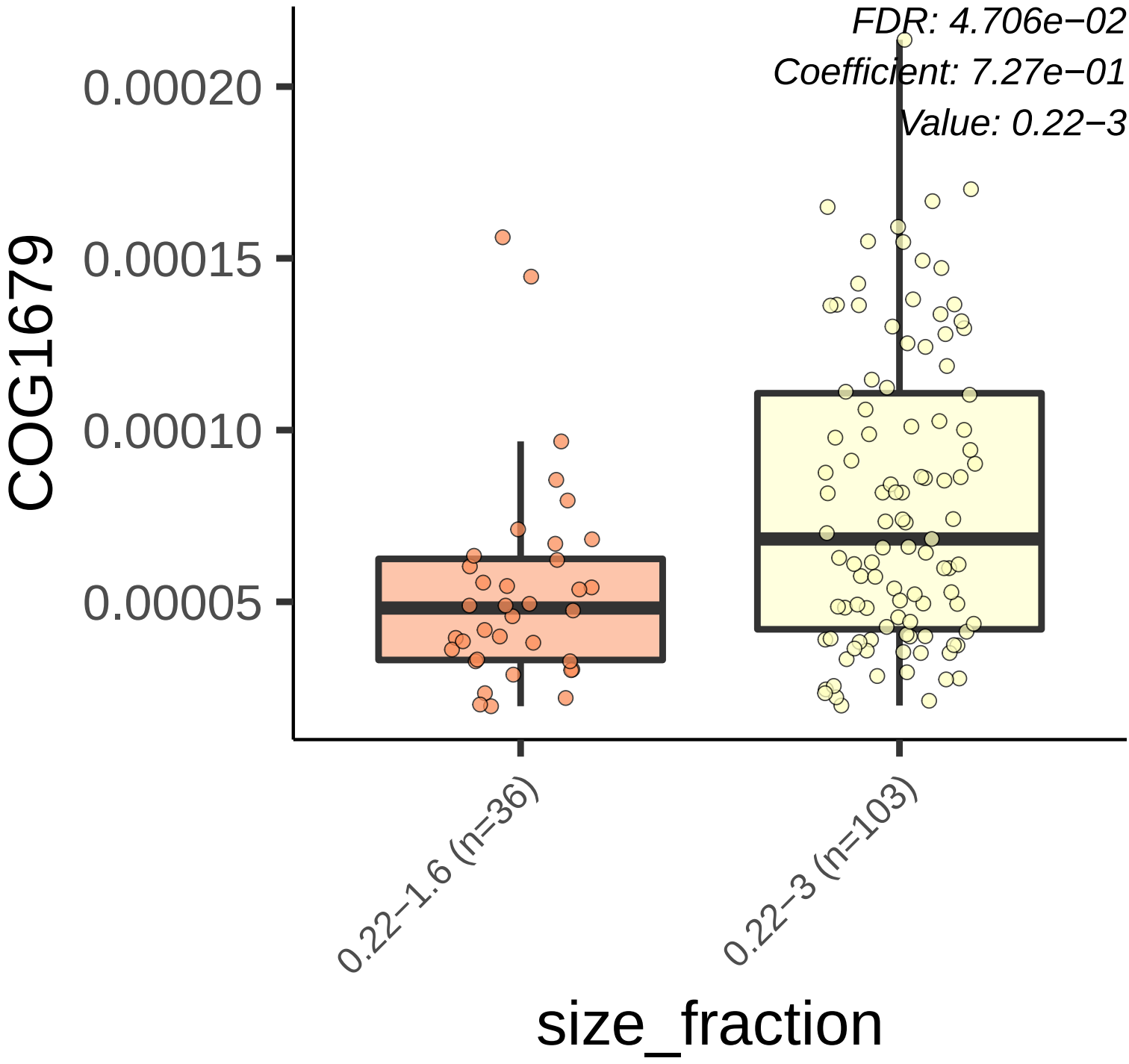

FDR: 4.667e−02
Coefficient: 1.50e+00
Value: 0.22−3
COG5450
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

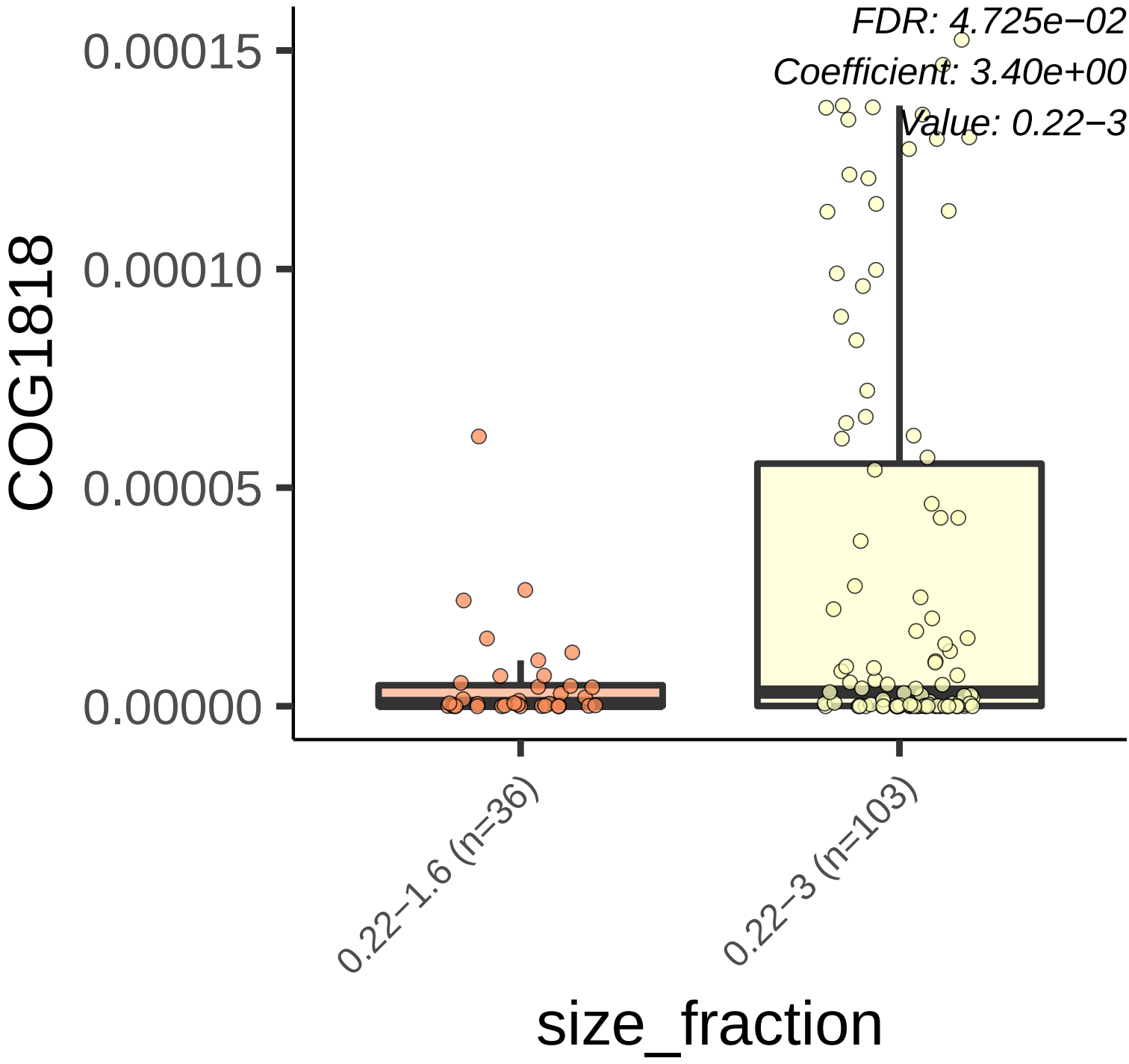

FDR: 4.676e−02
Coefficient: 6.53e−01
Value: 0.22−3
0.00020
0.00015
0.00010
0.00005
COG3195
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

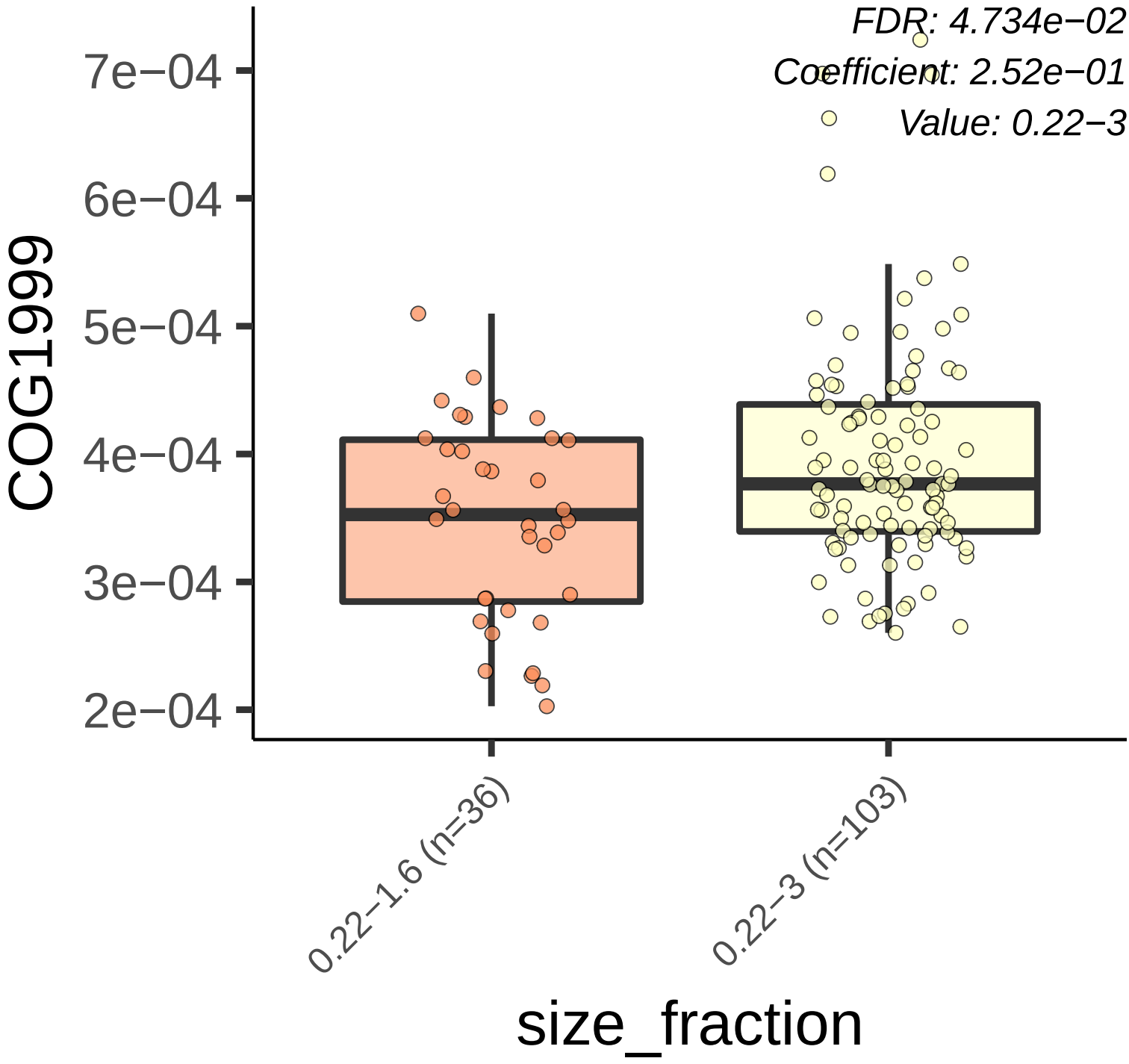

FDR: 4.678e−02
Coefficient: 1.04e+00
Value: 0.22−3
COG1415
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

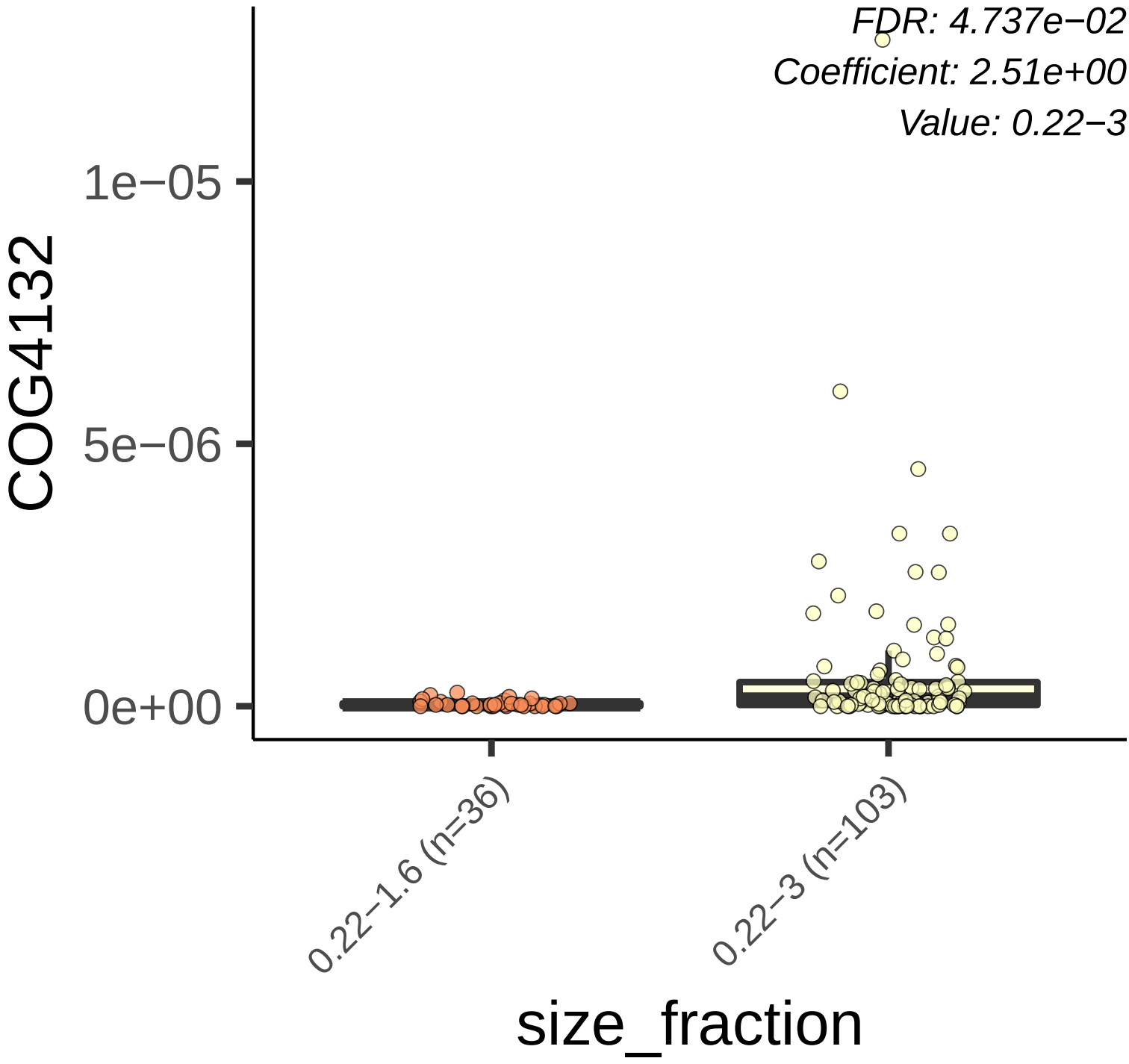

FDR: 4.691e−02
Coefficient: −1.35e−01
Value: 0.22−3
COG0424
7e−04
6e−04
5e−04
4e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

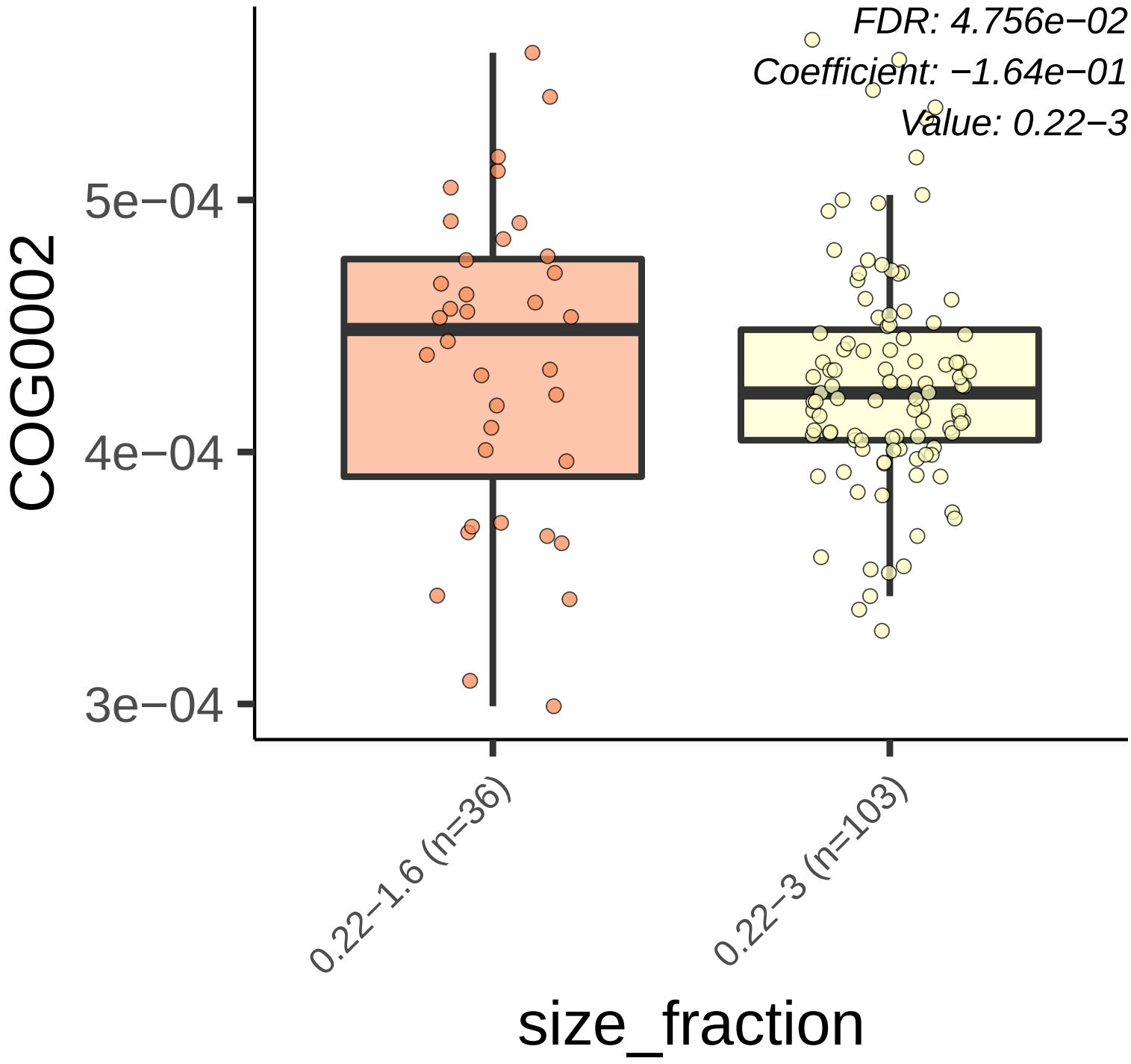

FDR: 4.691e−02
Coefficient: 8.81e−01
Value: 0.22−3
COG4412
0.00020
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

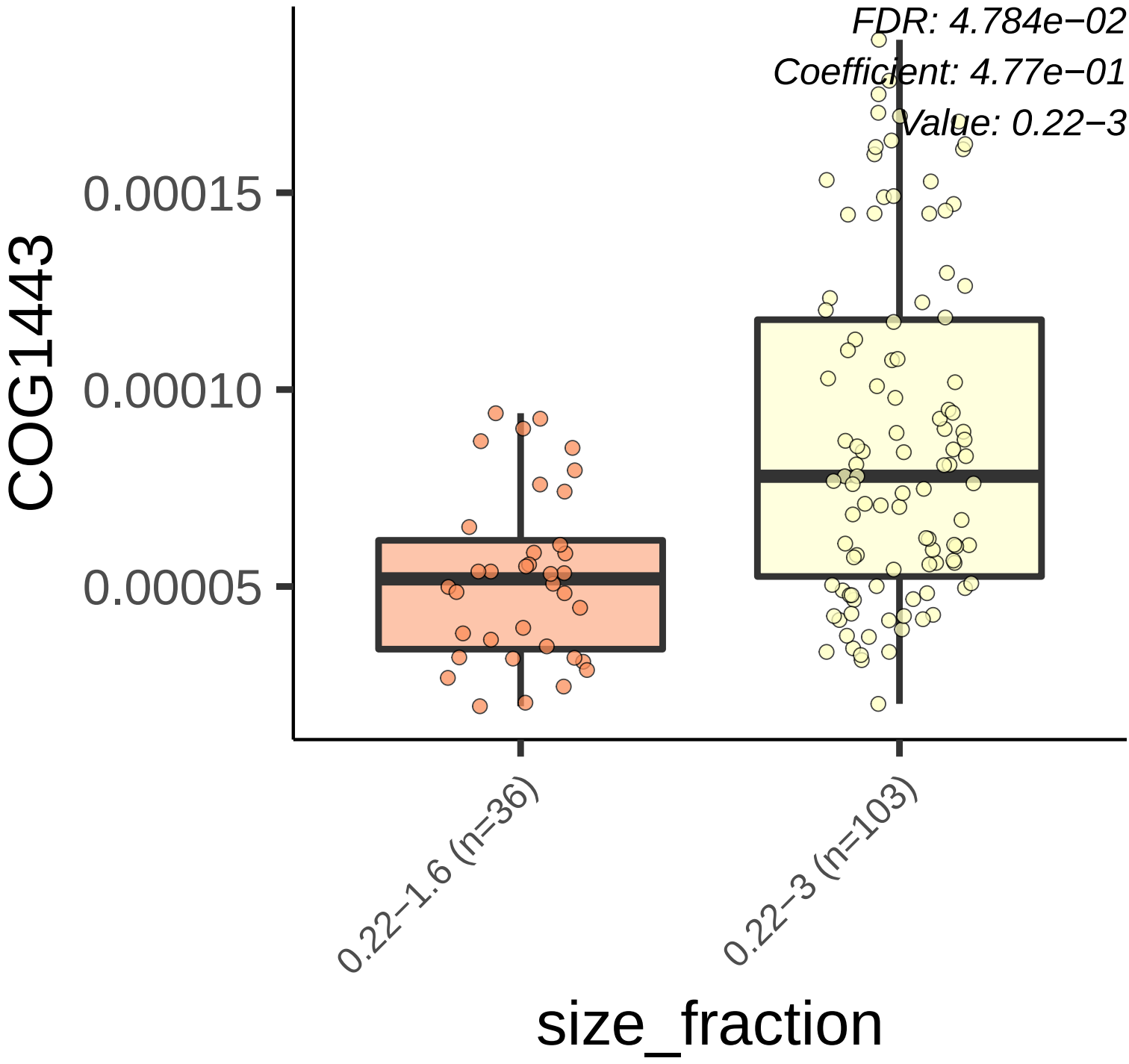

FDR: 4.706e−02
Coefficient: 7.27e−01
Value: 0.22−3
COG1679
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

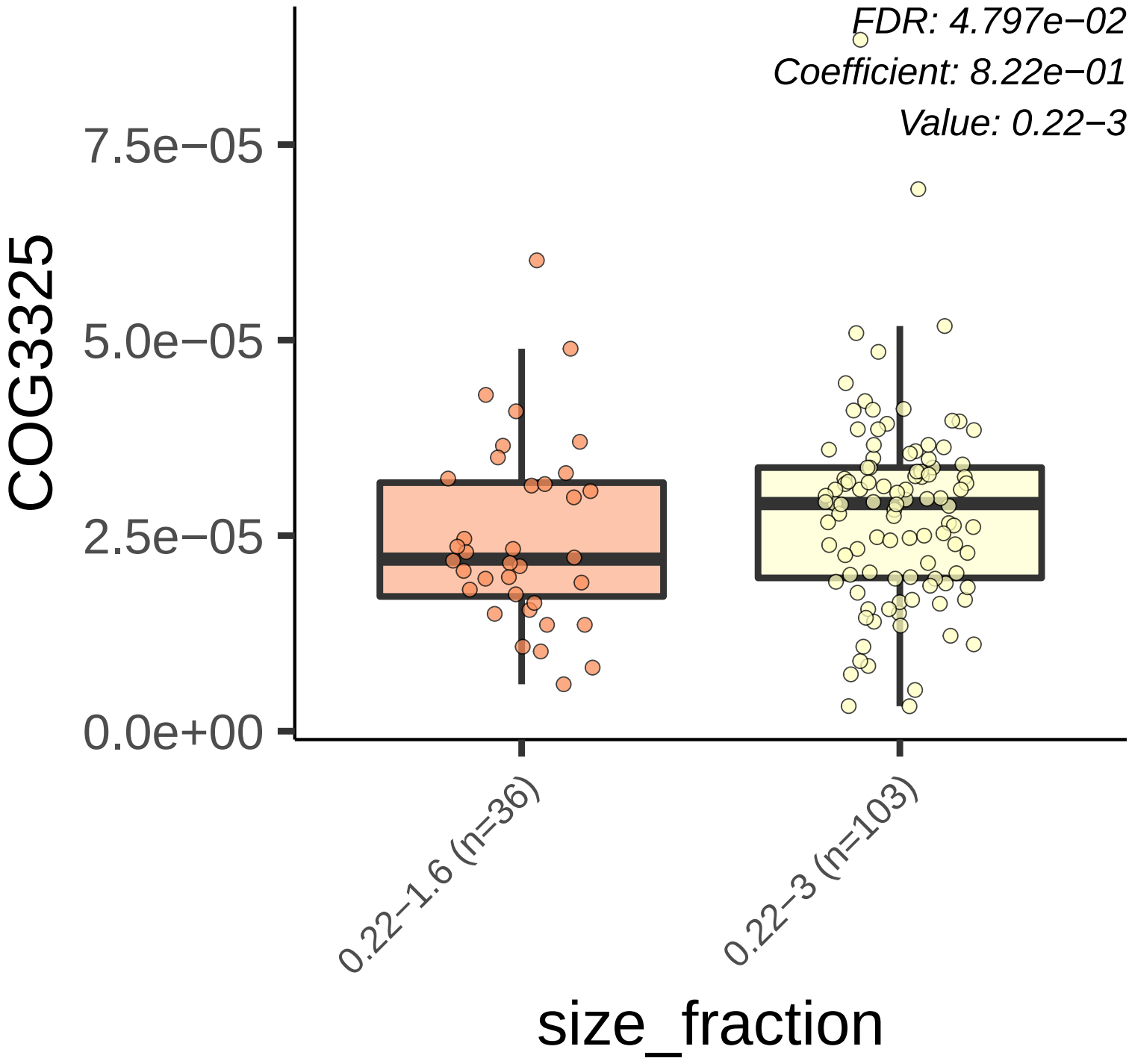

FDR: 4.725e−02
Coefficient: 3.40e+00
Value: 0.22−3
COG1818
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

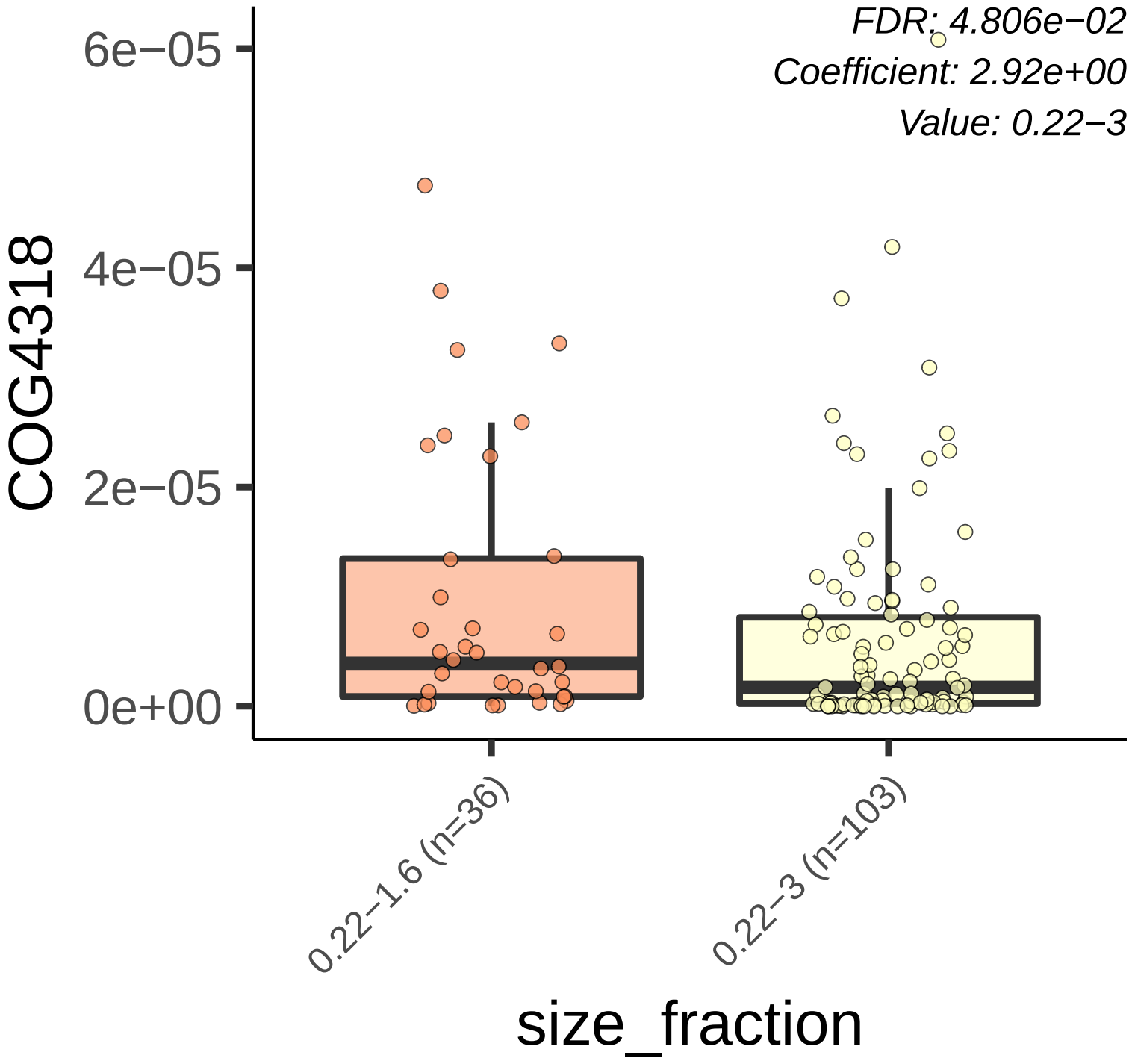

FDR: 4.734e−02
Coefficient: 2.52e−01
Value: 0.22−3
COG1999
7e−04
6e−04
5e−04
4e−04
3e−04
2e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

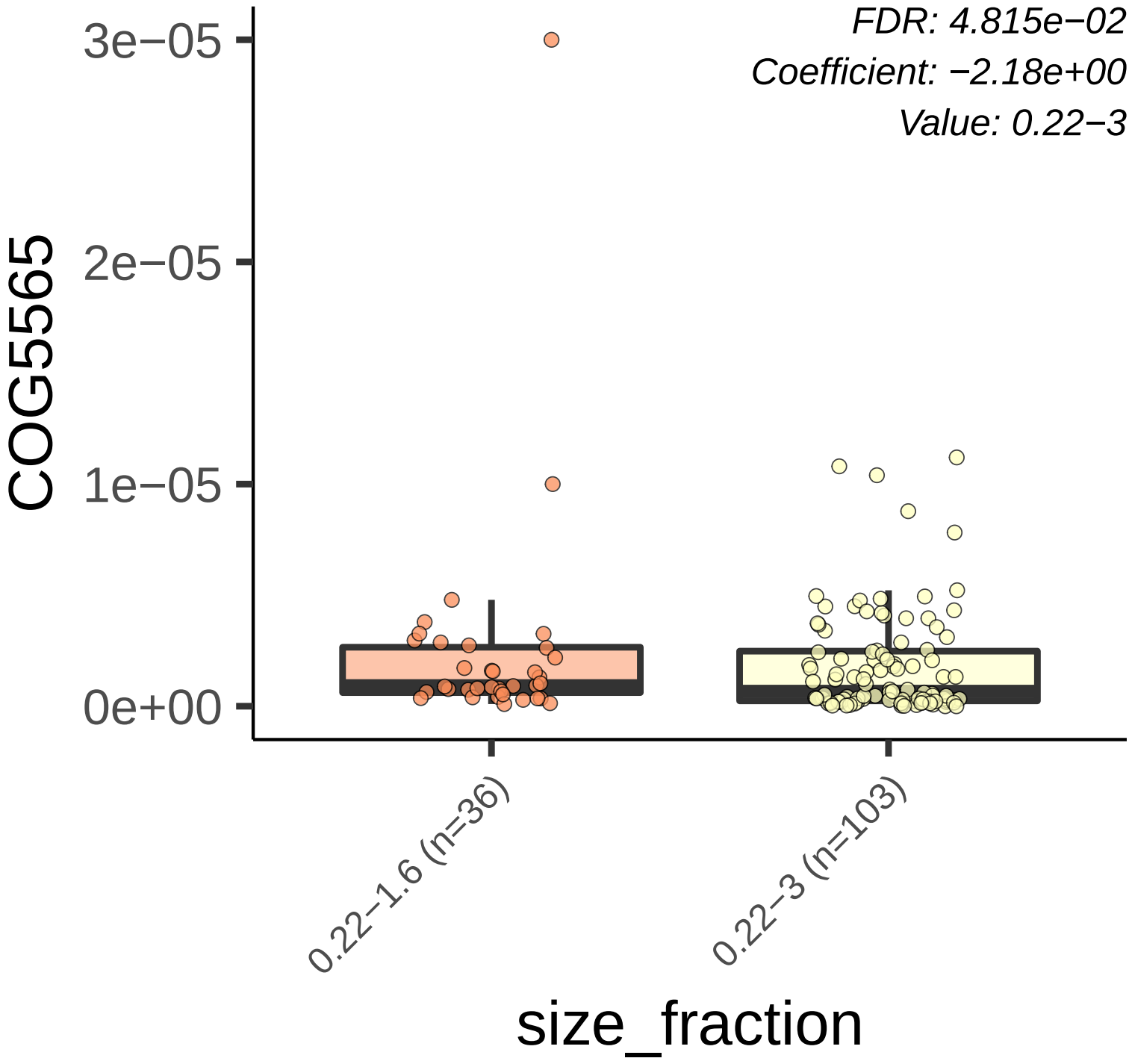

FDR: 4.737e−02
Coefficient: 2.51e+00
Value: 0.22−3
COG4132
1e−05
5e−06
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

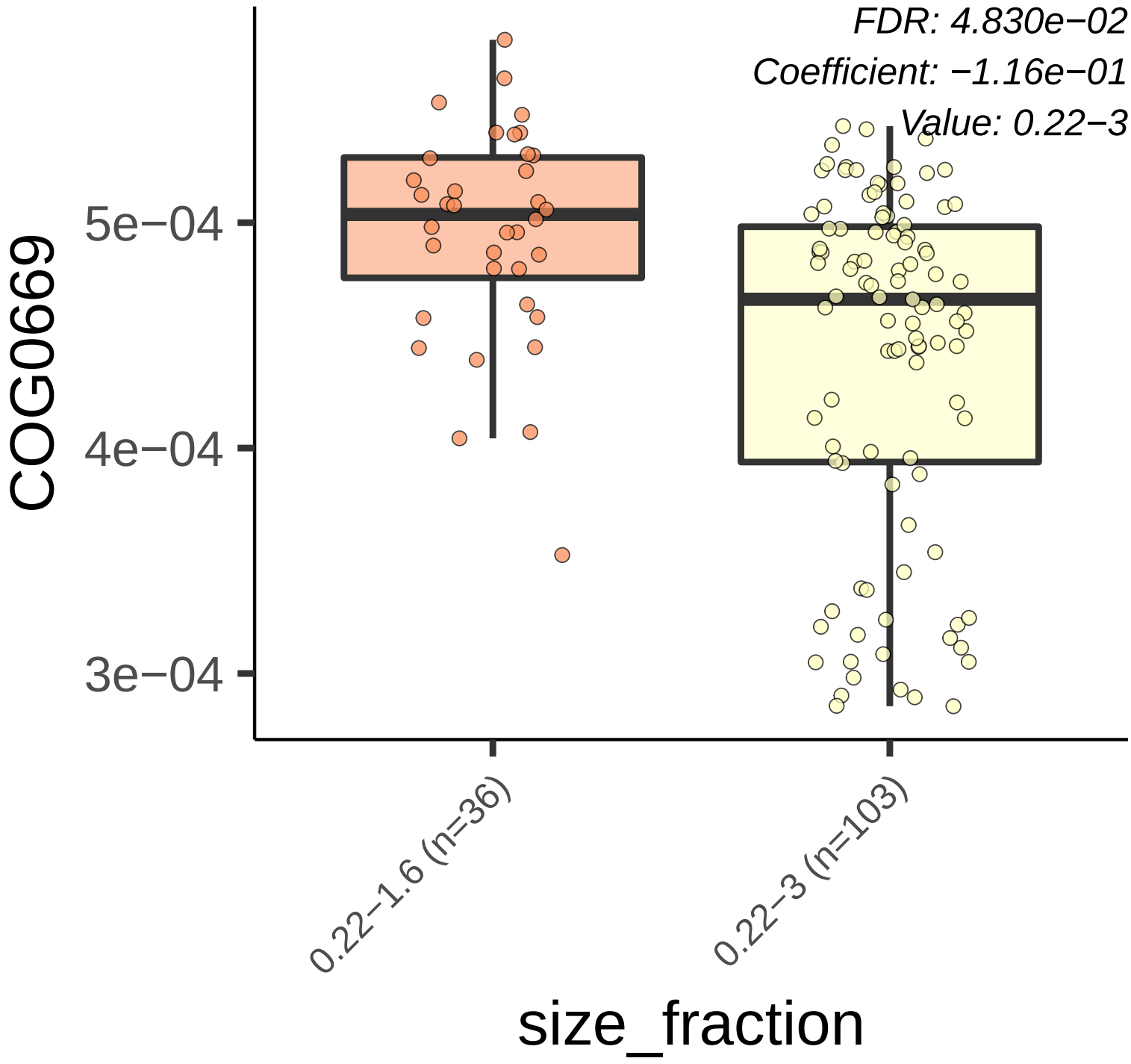

FDR: 4.756e−02
Coefficient: −1.64e−01
Value: 0.22−3
COG0002
5e−04
4e−04
3e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

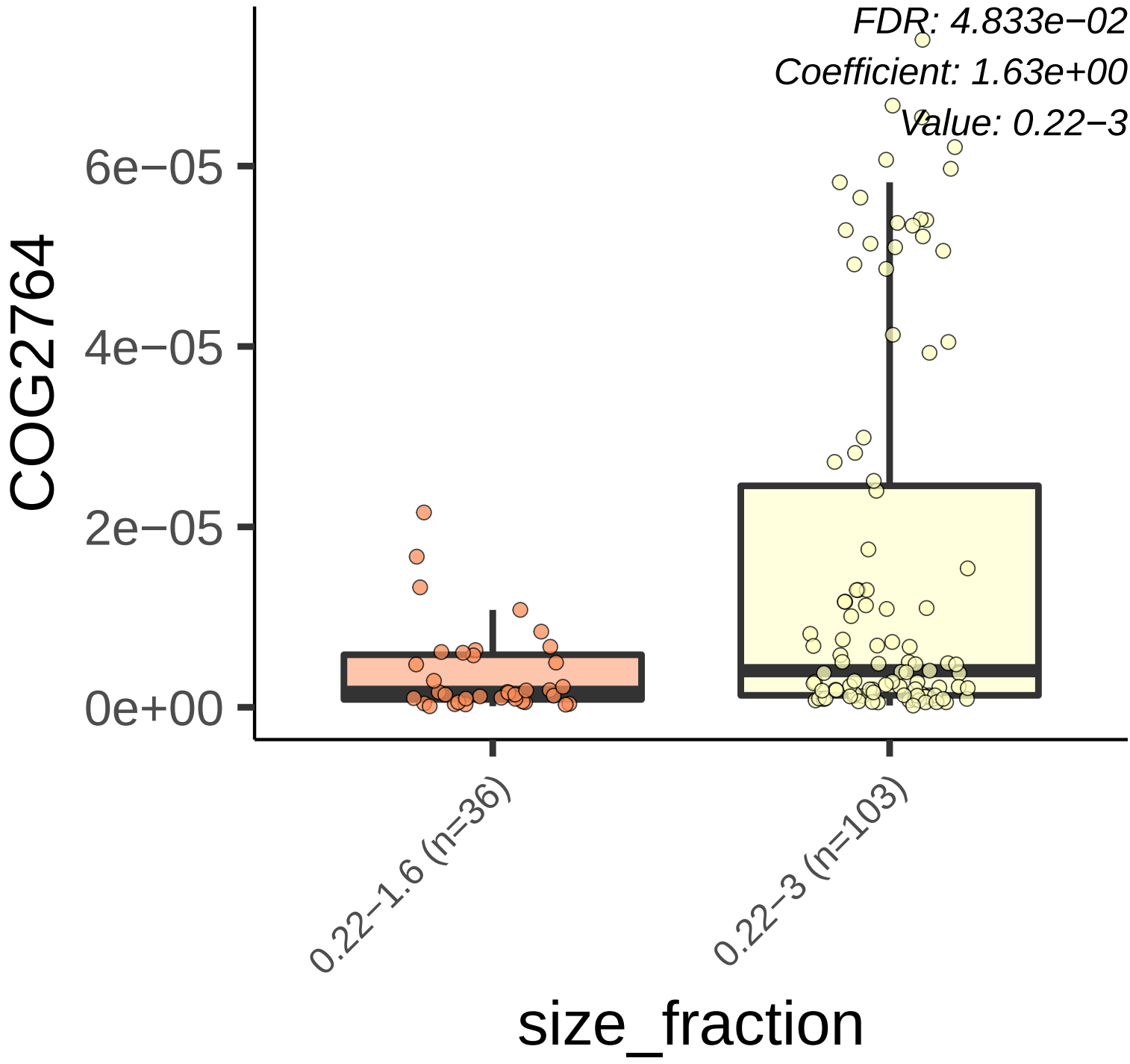

FDR: 4.784e−02
Coefficient: 4.77e−01
Value: 0.22−3
COG1443
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

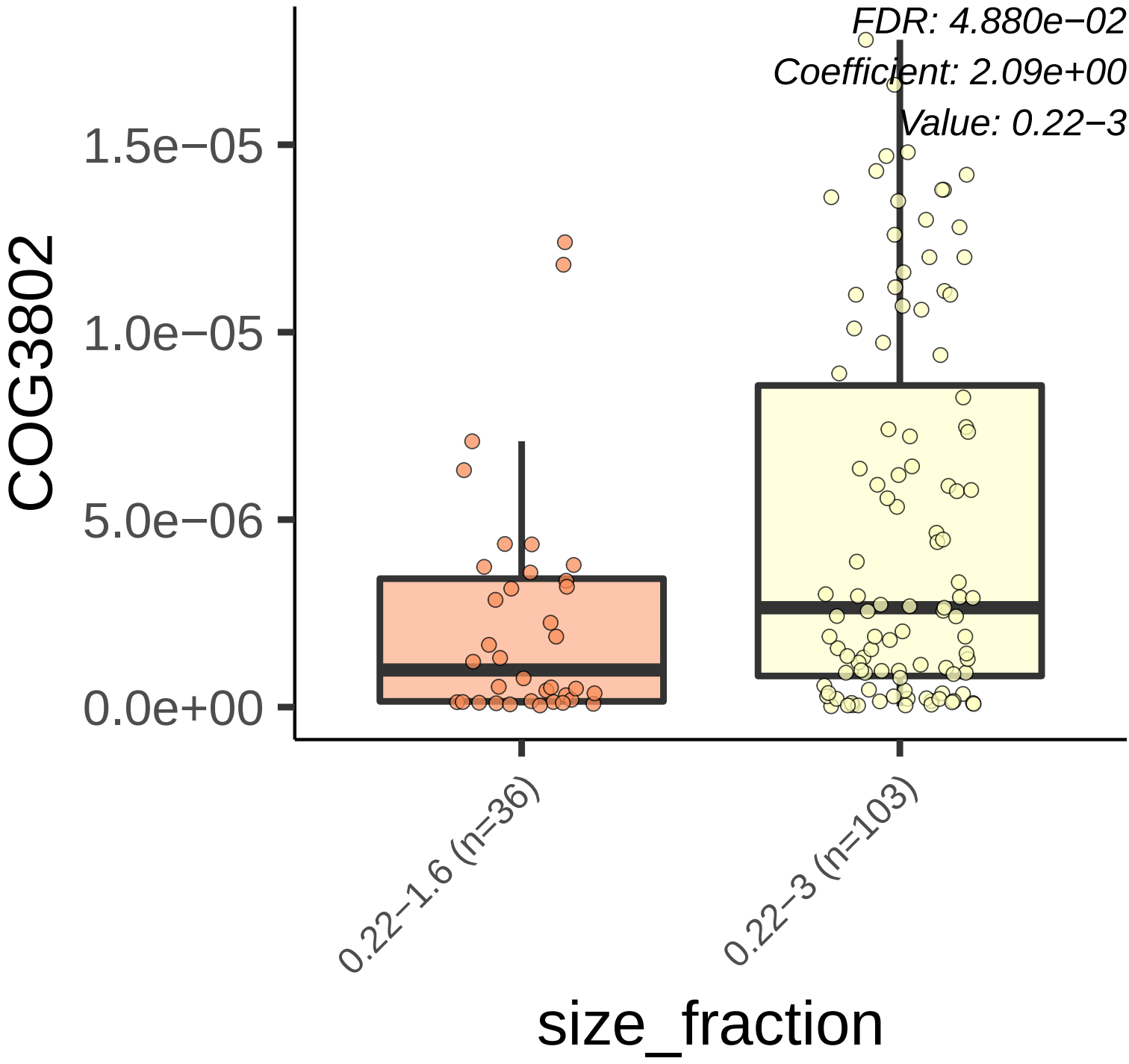

FDR: 4.797e−02
Coefficient: 8.22e−01
Value: 0.22−3
COG3325
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

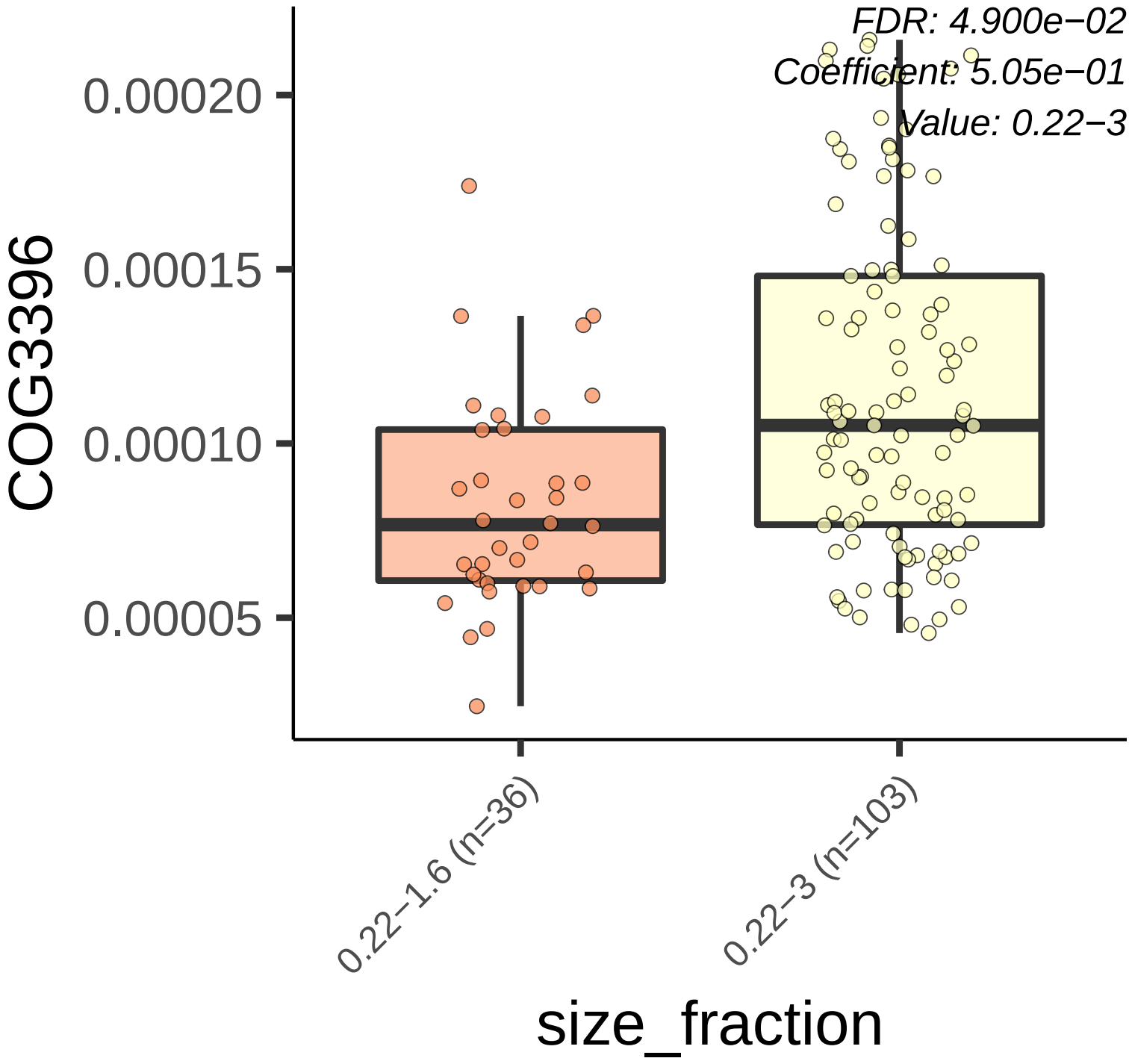

FDR: 4.806e−02
Coefficient: 2.92e+00
Value: 0.22−3
COG4318
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

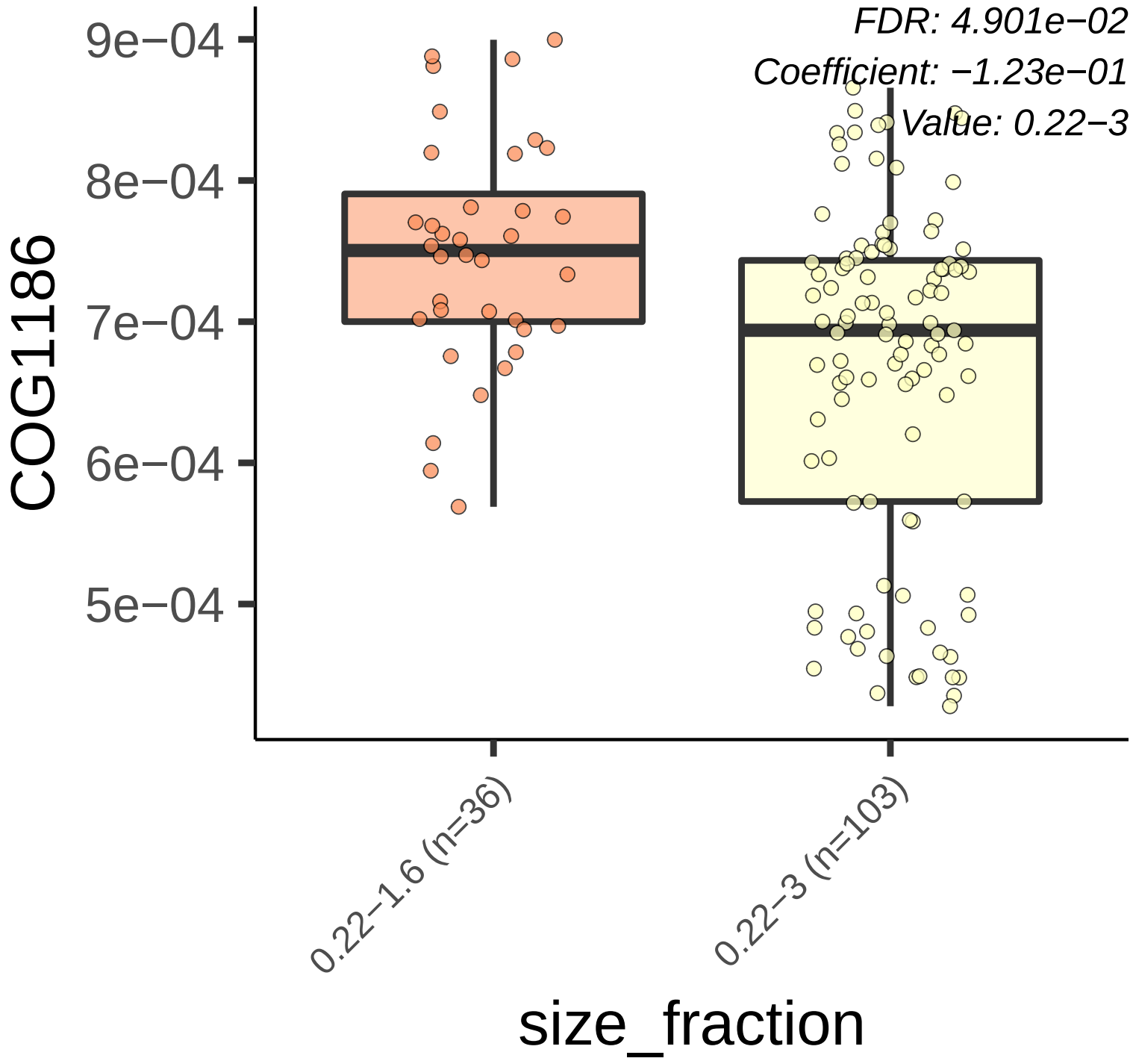

FDR: 4.815e−02
Coefficient: −2.18e+00
Value: 0.22−3
COG5565
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

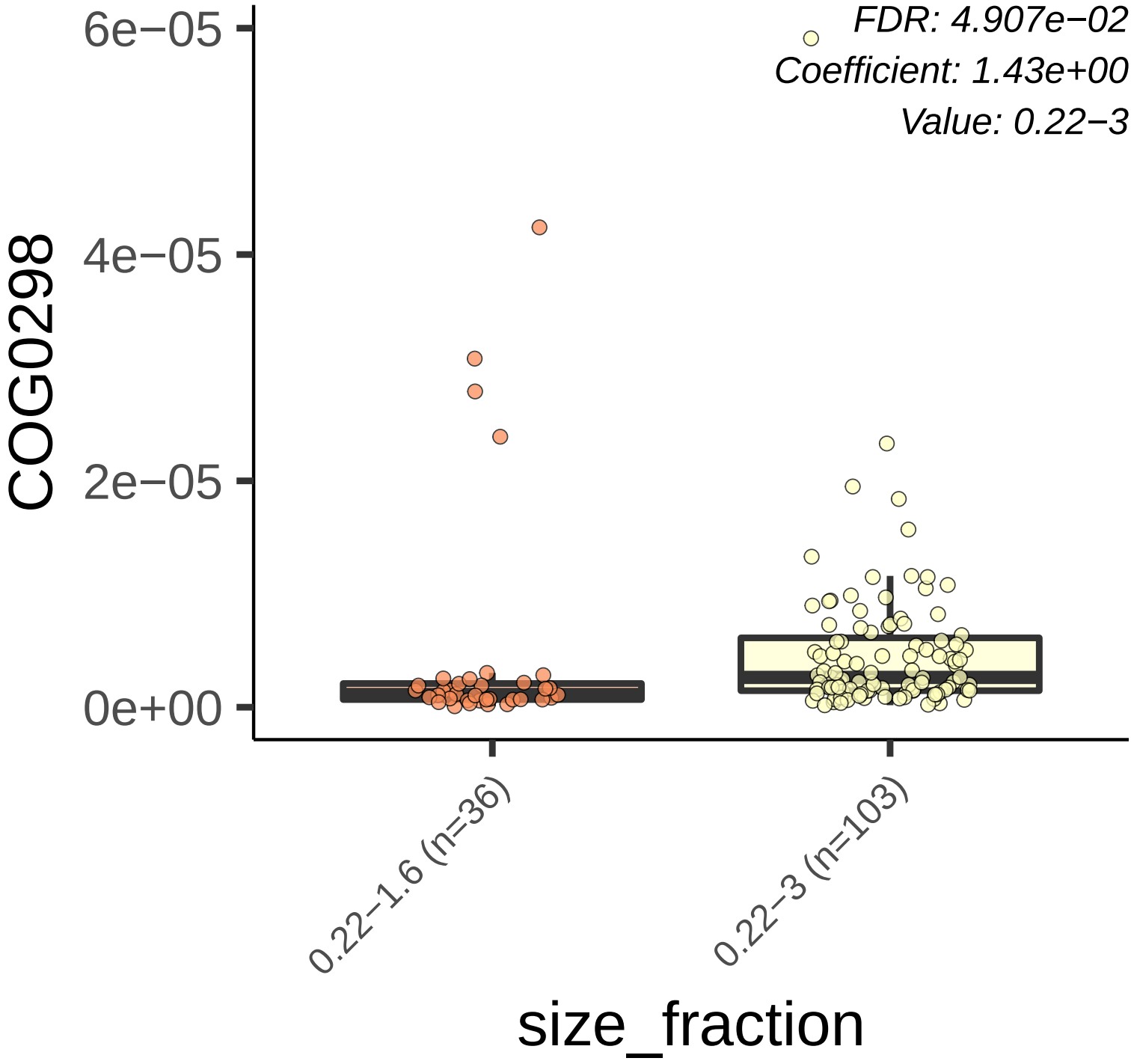

FDR: 4.830e−02
Coefficient: −1.16e−01
Value: 0.22−3
COG0669
5e−04
4e−04
3e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

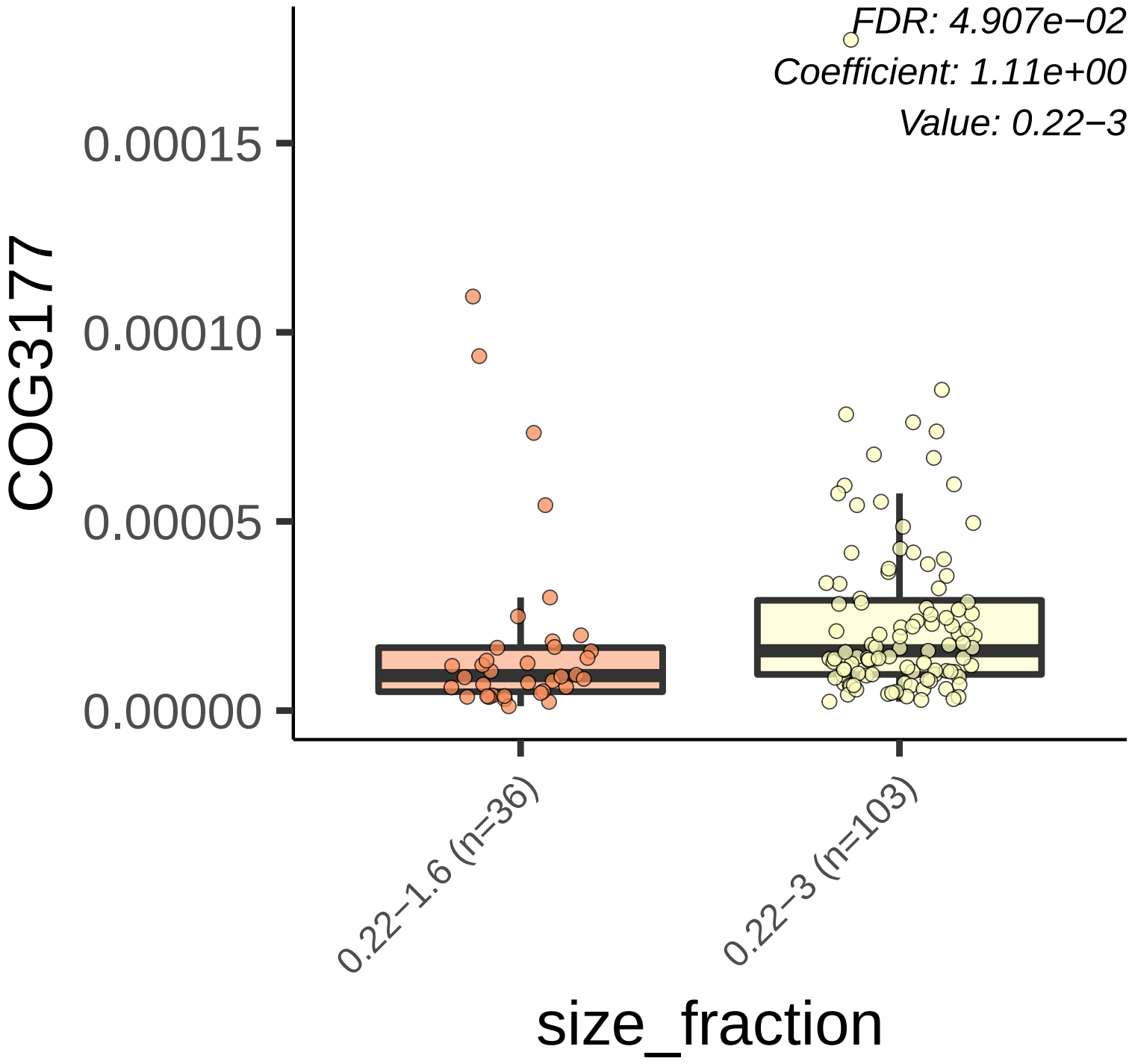

FDR: 4.833e−02
Coefficient: 1.63e+00
Value: 0.22−3
COG2764
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

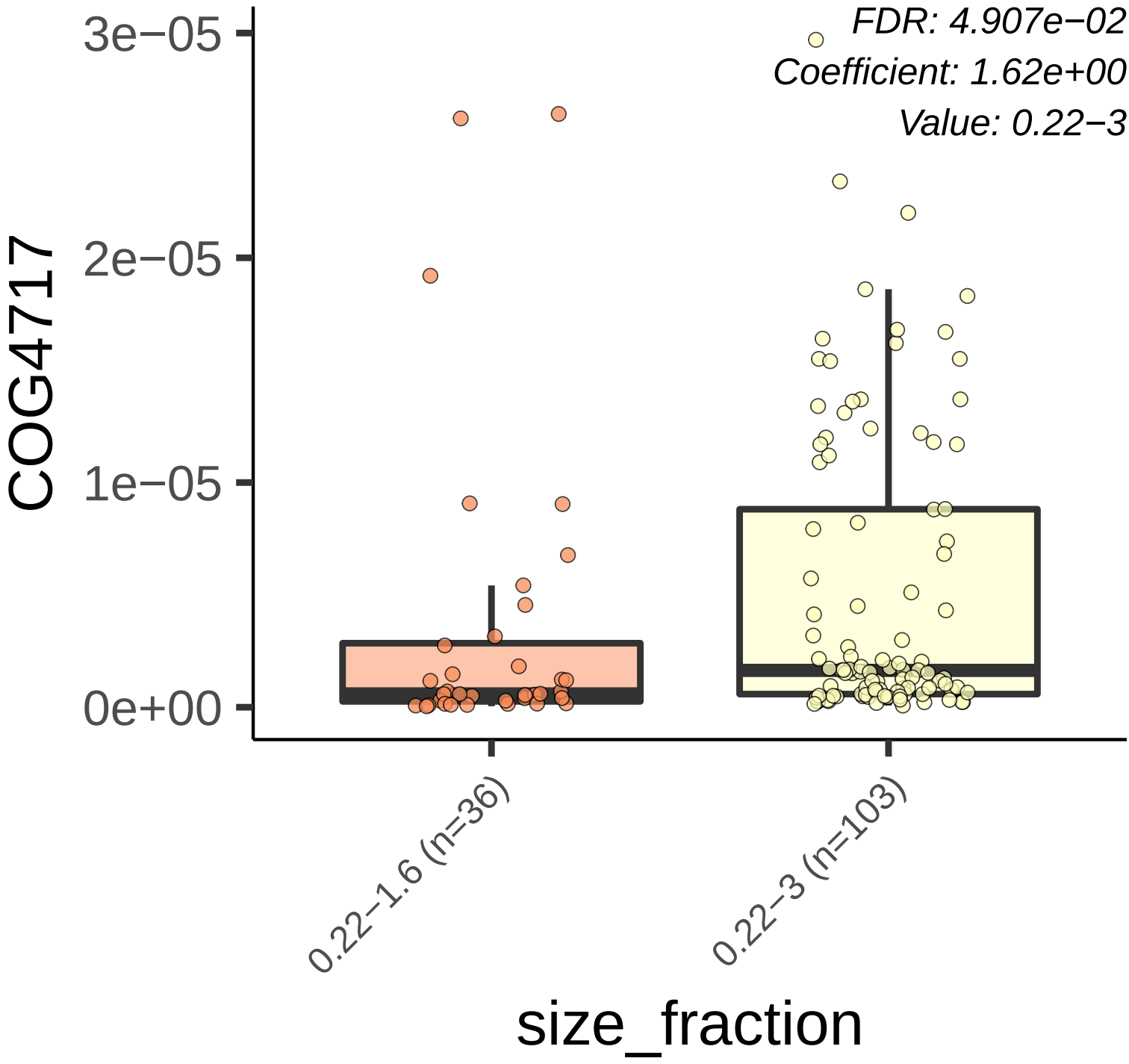

FDR: 4.880e−02
Coefficient: 2.09e+00
Value: 0.22−3
COG3802
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

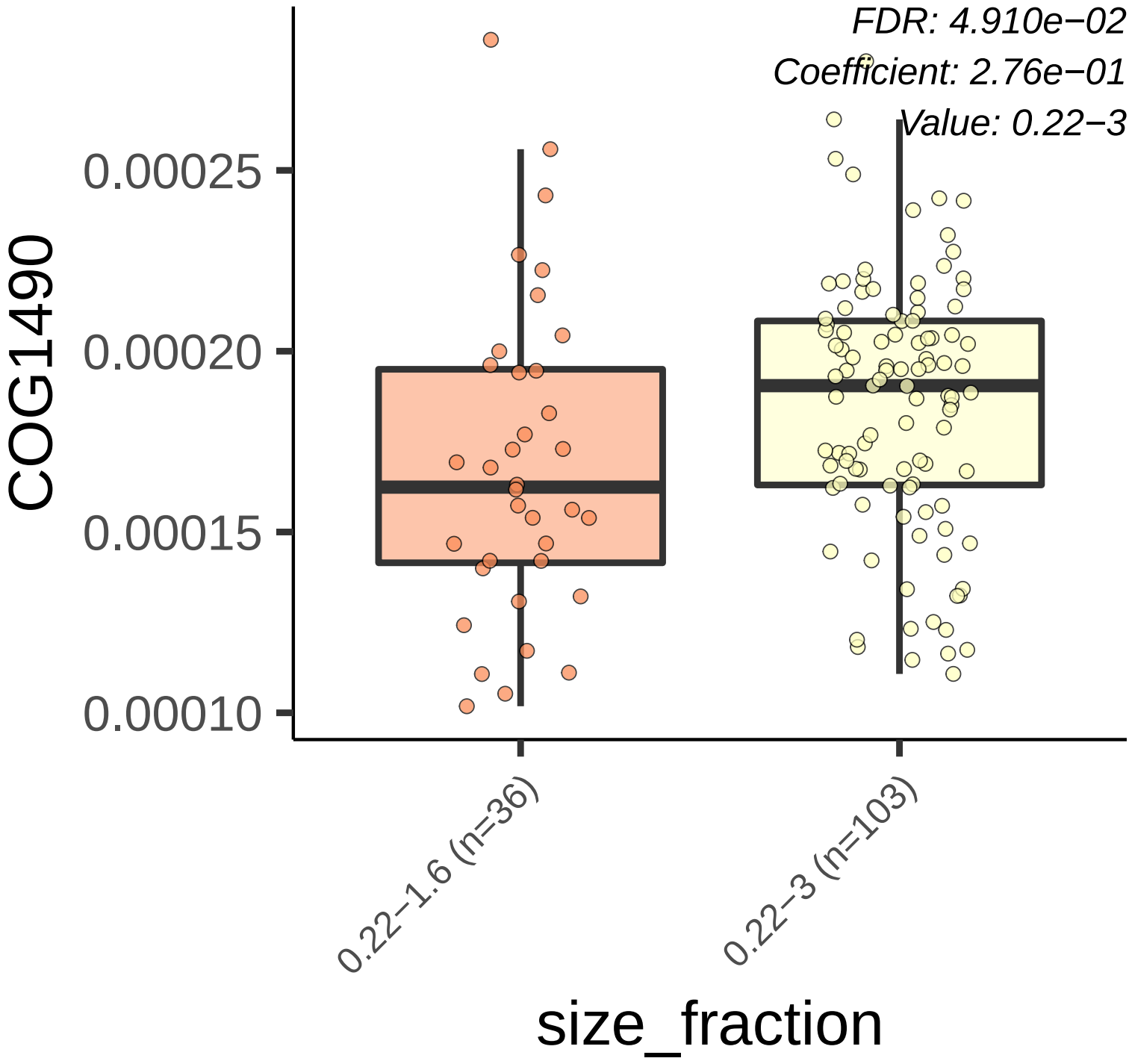

FDR: 4.900e−02
Coefficient: 5.05e−01
Value: 0.22−3
COG3396
0.00020
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

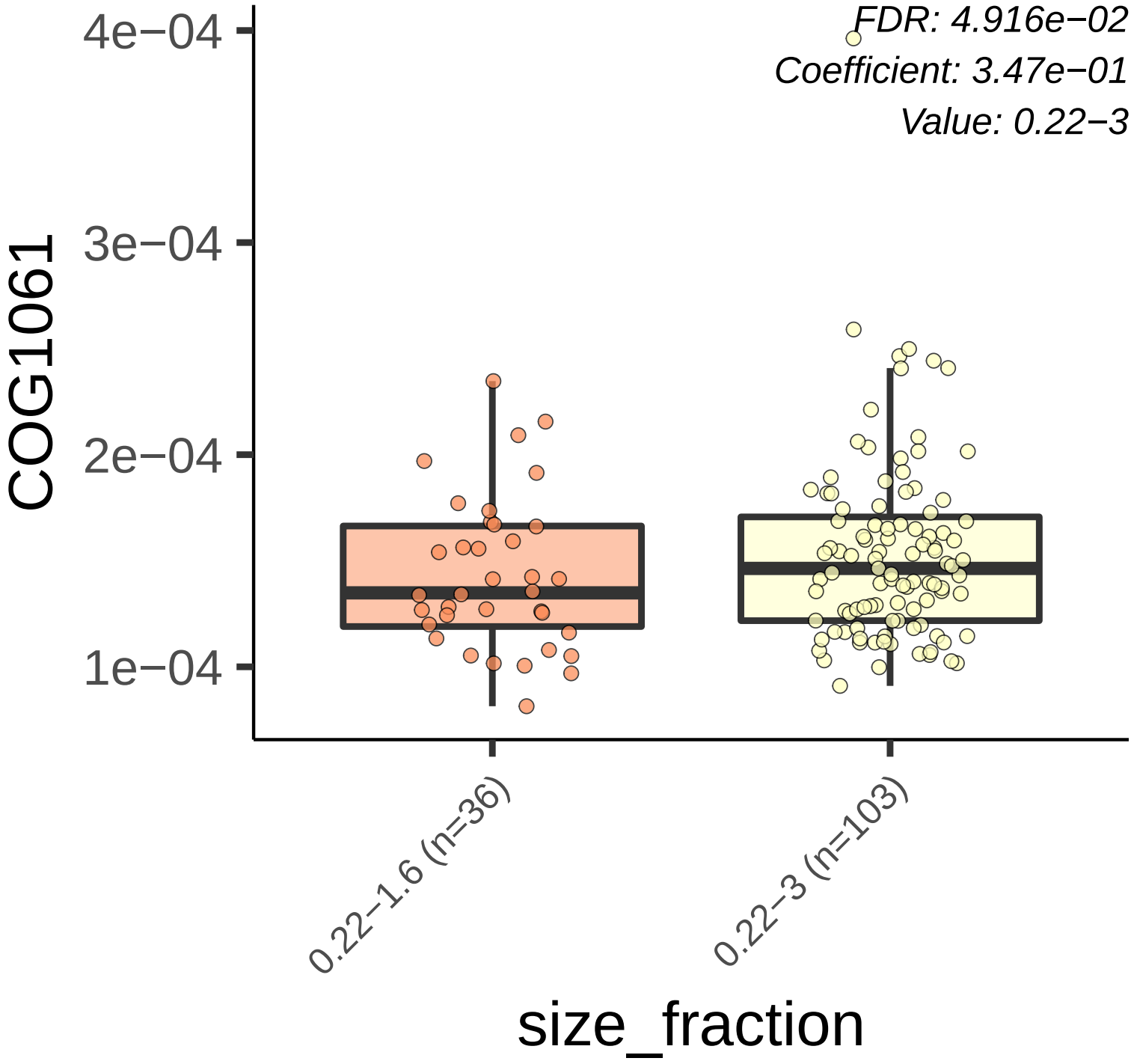

FDR: 4.901e−02
Coefficient: −1.23e−01
Value: 0.22−3
COG1186
9e−04
8e−04
7e−04
6e−04
5e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

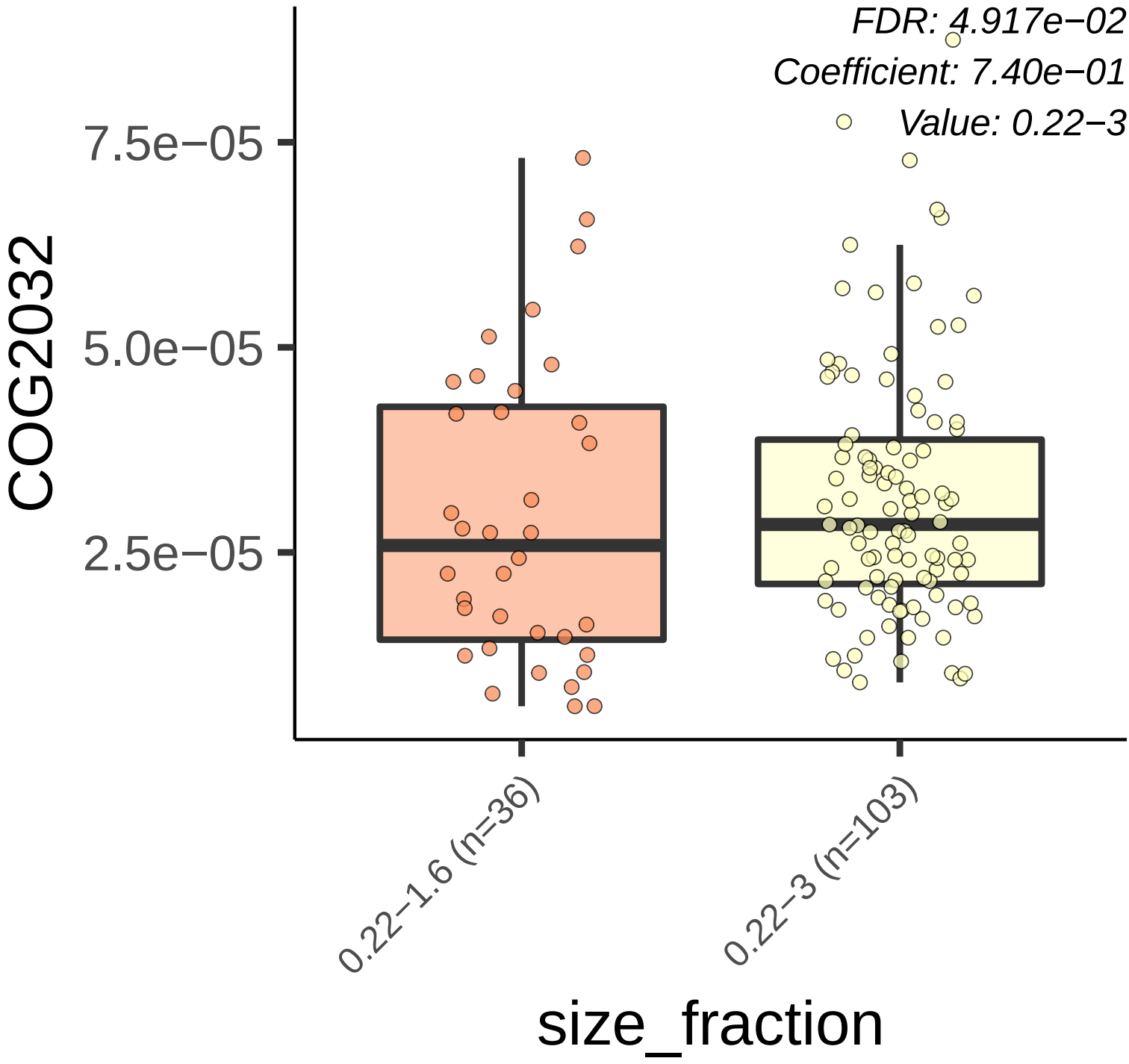

FDR: 4.907e−02
Coefficient: 1.43e+00
Value: 0.22−3
COG0298
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

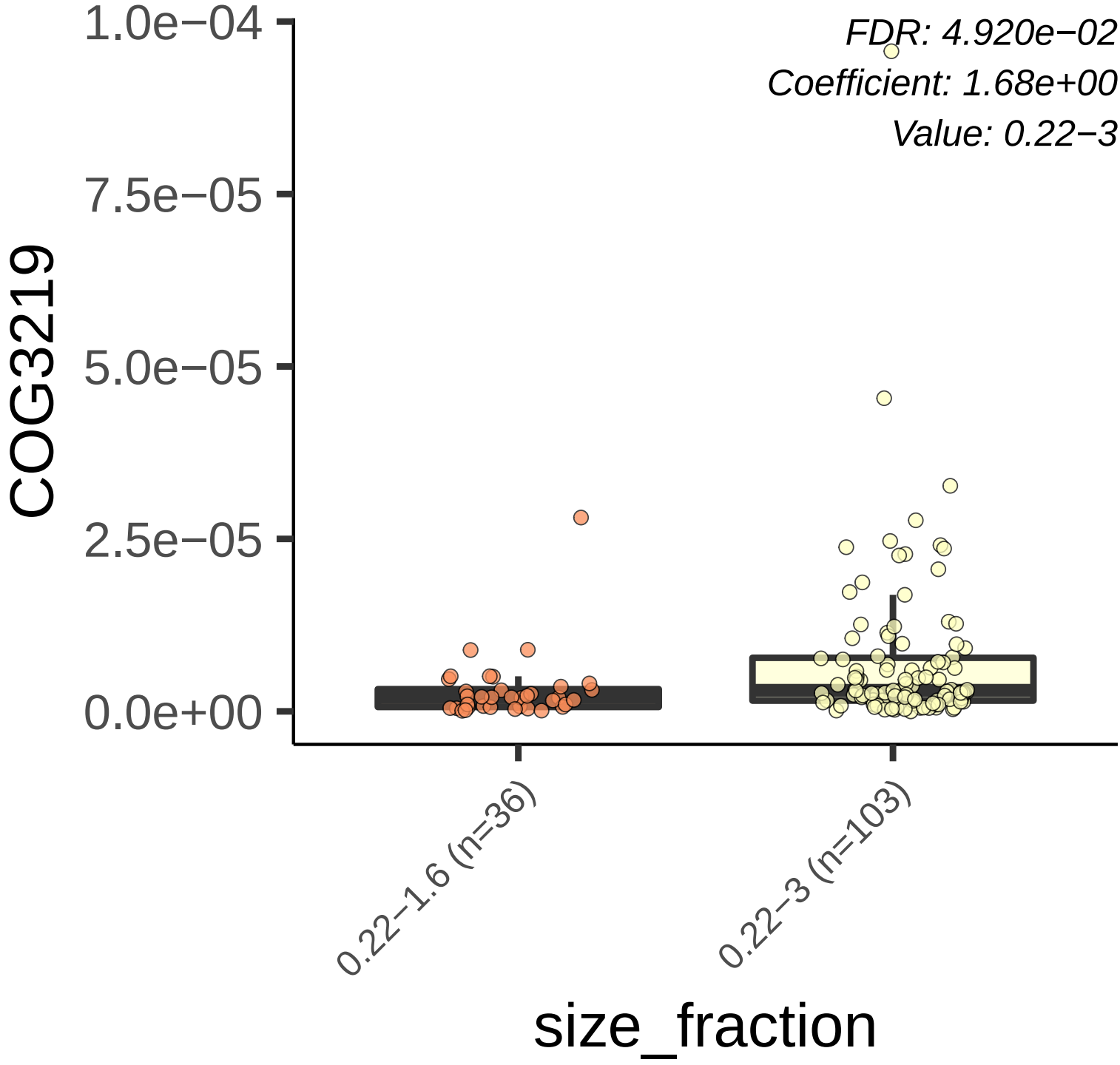

FDR: 4.907e−02
Coefficient: 1.11e+00
Value: 0.22−3
COG3177
0.00015
0.00010
0.00005
0.00000
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

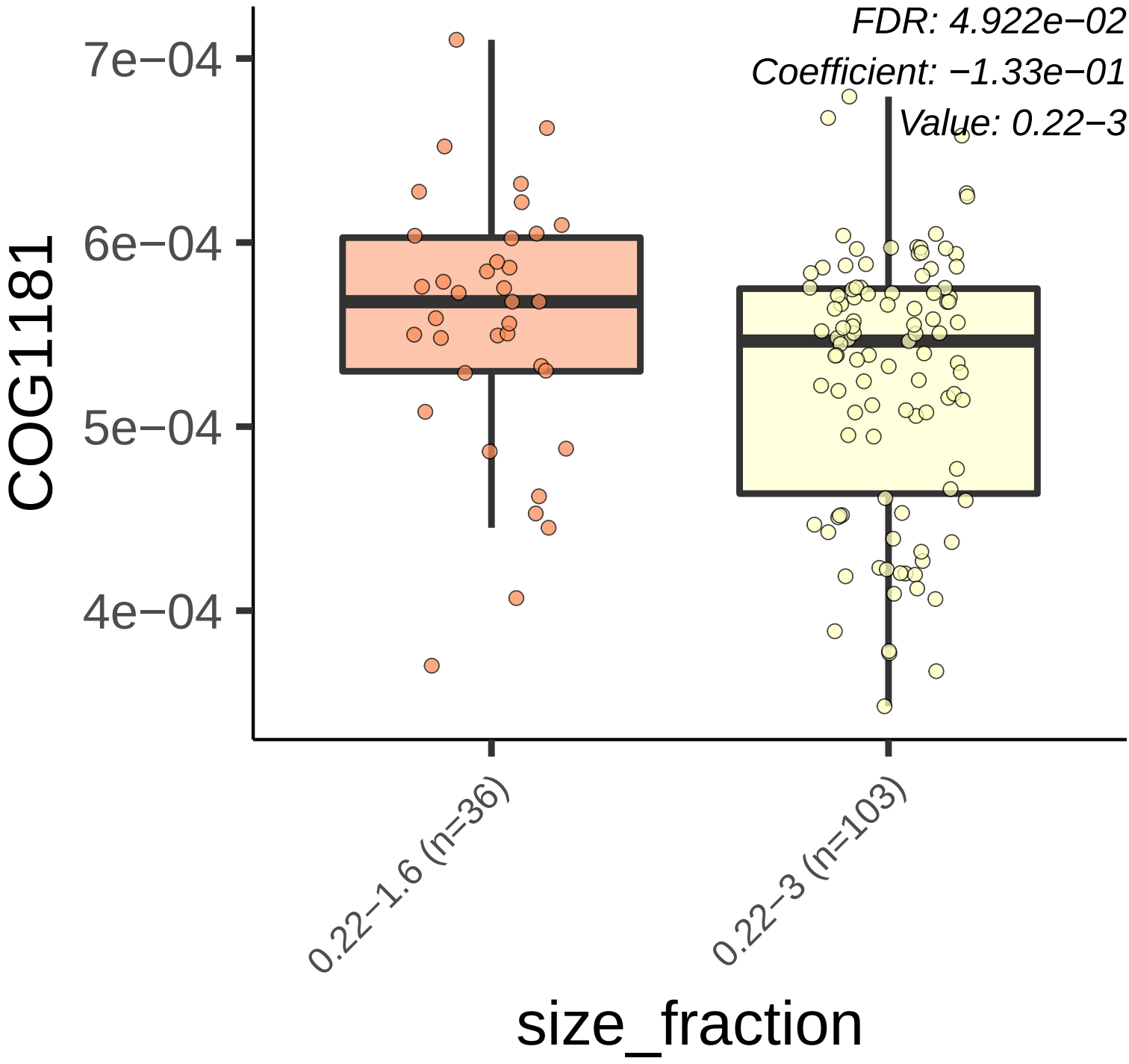

FDR: 4.907e−02
Coefficient: 1.62e+00
Value: 0.22−3
COG4717
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

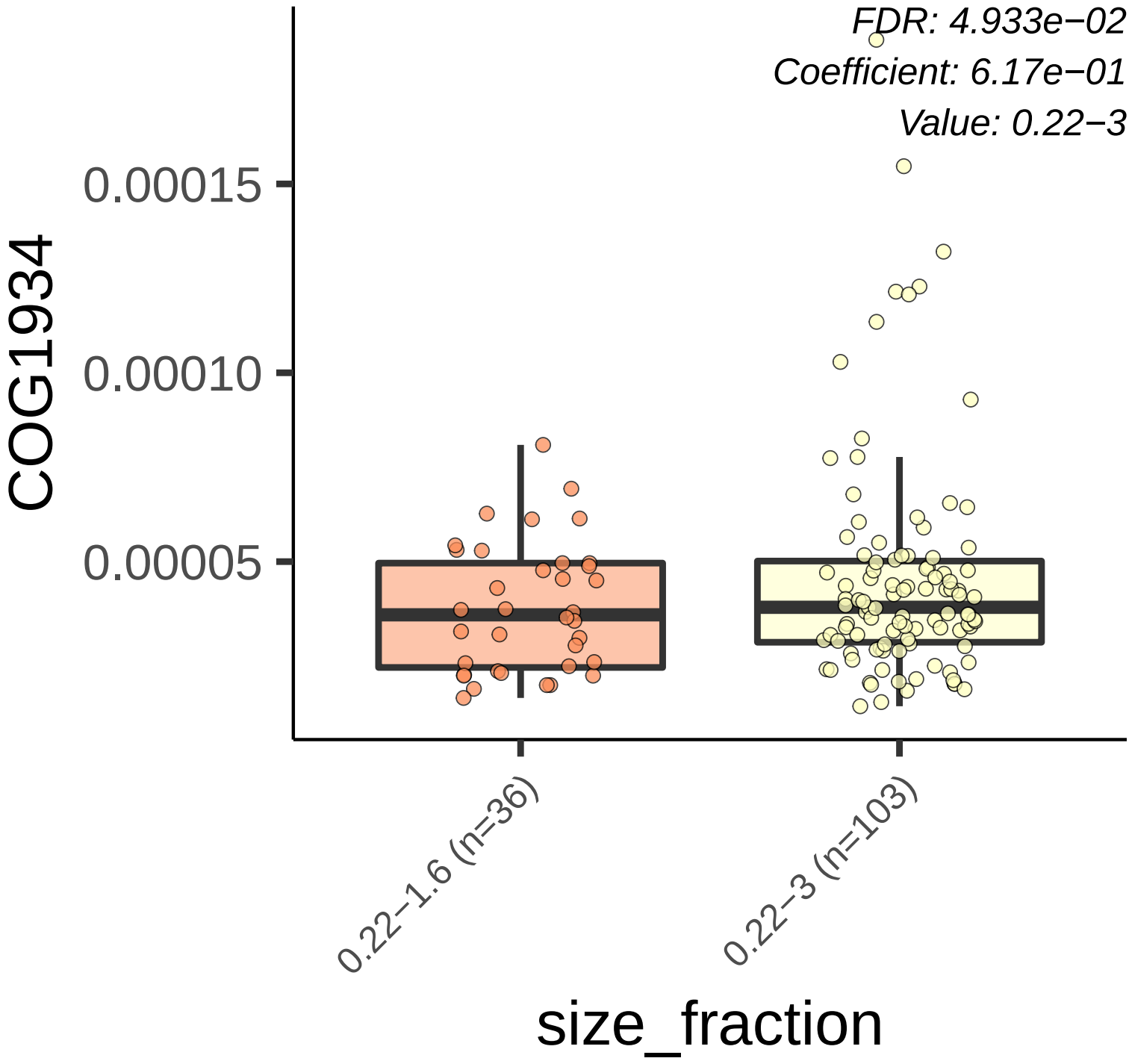

FDR: 4.910e−02
Coefficient: 2.76e−01
Value: 0.22−3
COG1490
0.00025
0.00020
0.00015
0.00010
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

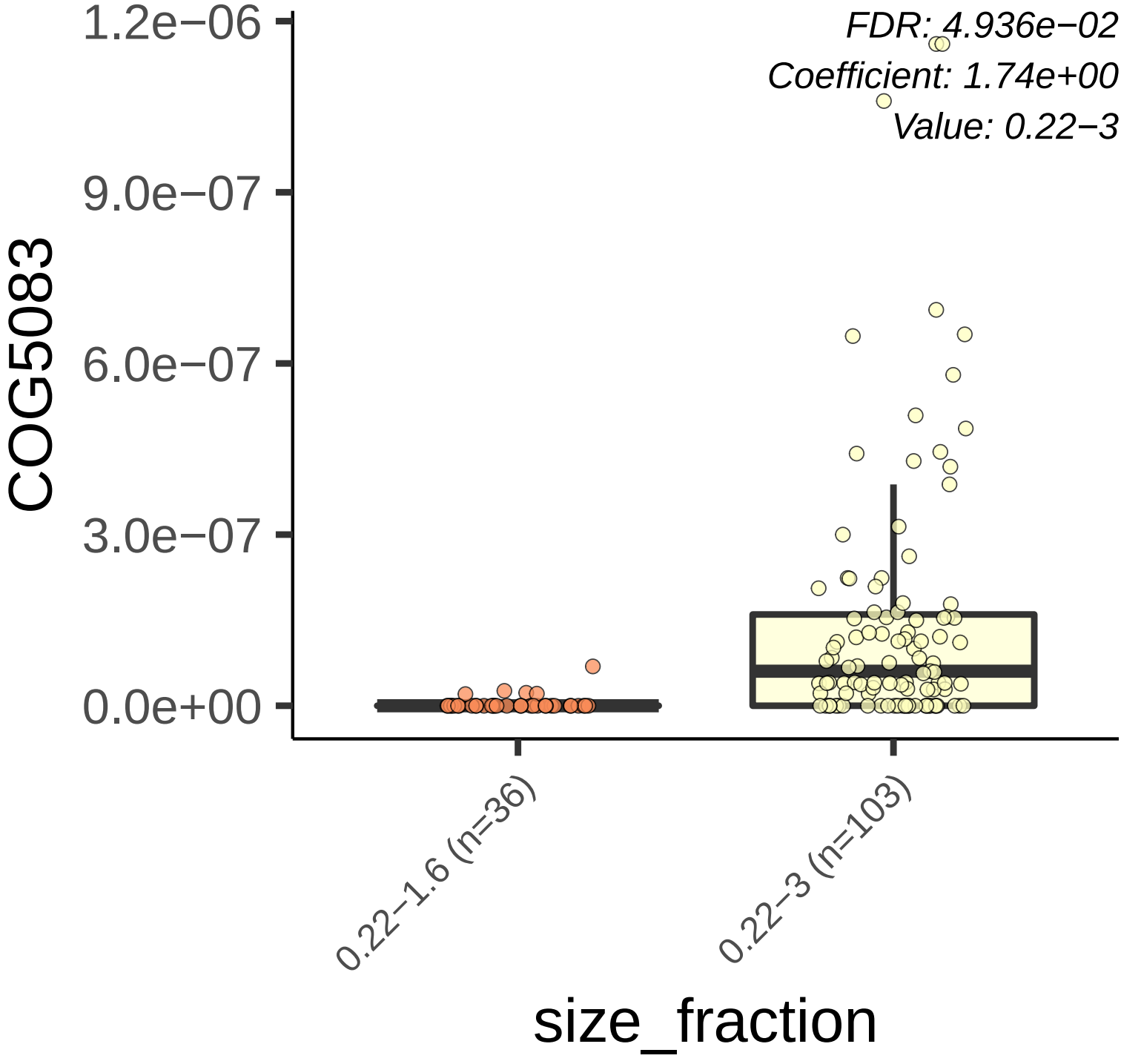

FDR: 4.916e−02
Coefficient: 3.47e−01
Value: 0.22−3
COG1061
4e−04
3e−04
2e−04
1e−04
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

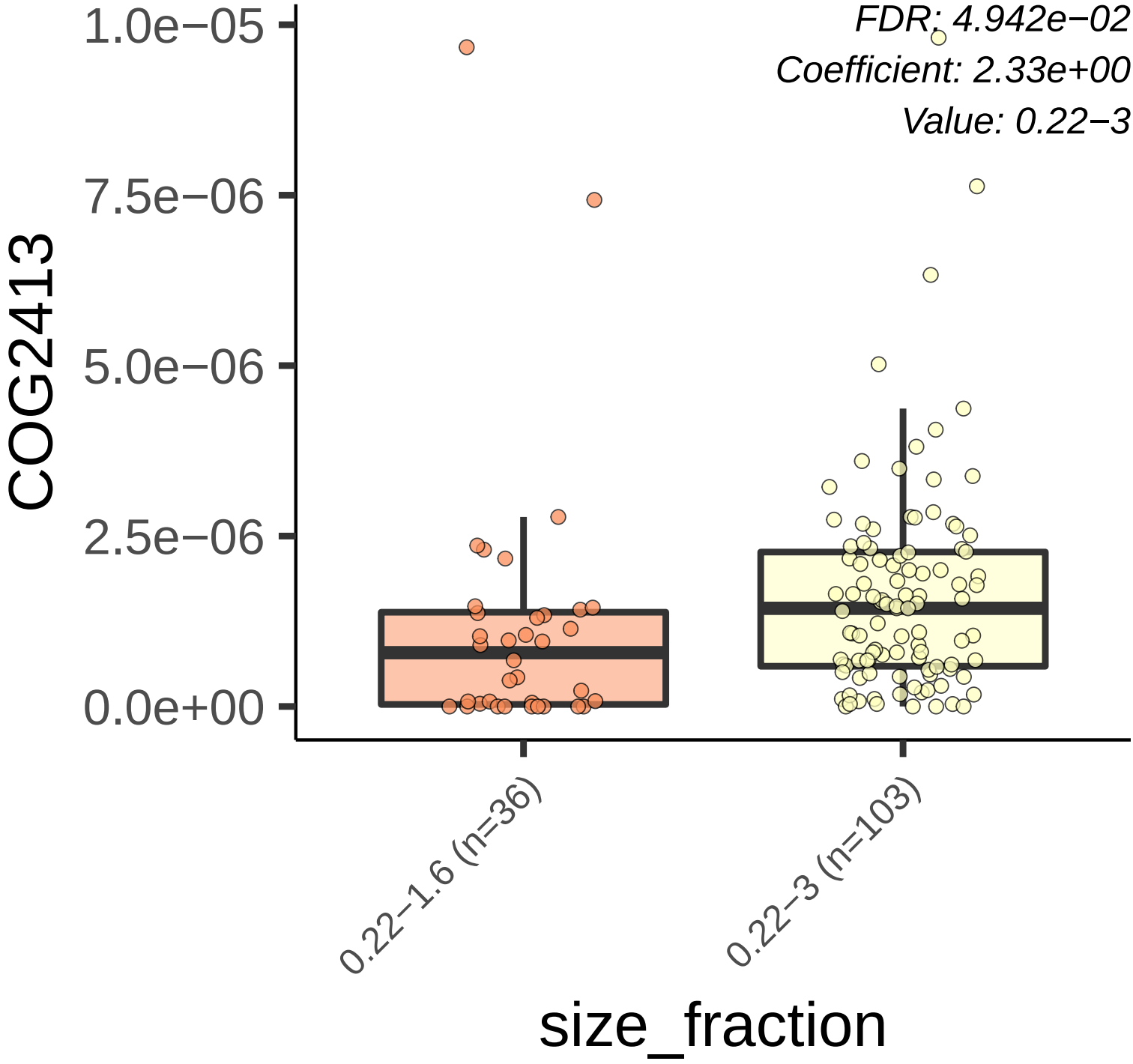

FDR: 4.917e−02
Coefficient: 7.40e−01
Value: 0.22−3
7.5e−05
5.0e−05
2.5e−05
COG2032
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

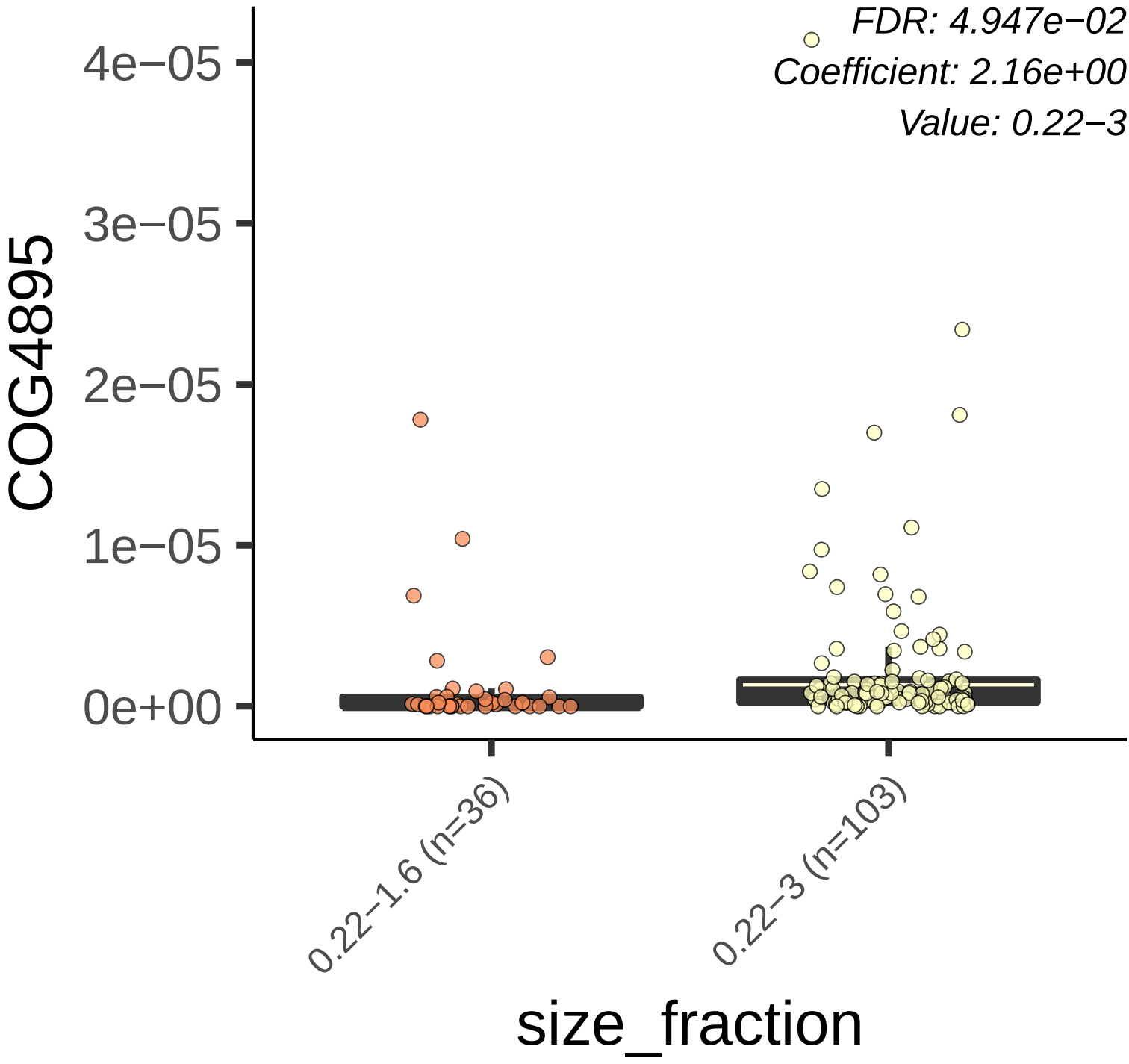

FDR: 4.920e−02
Coefficient: 1.68e+00
Value: 0.22−3
COG3219
1.0e−04
7.5e−05
5.0e−05
2.5e−05
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

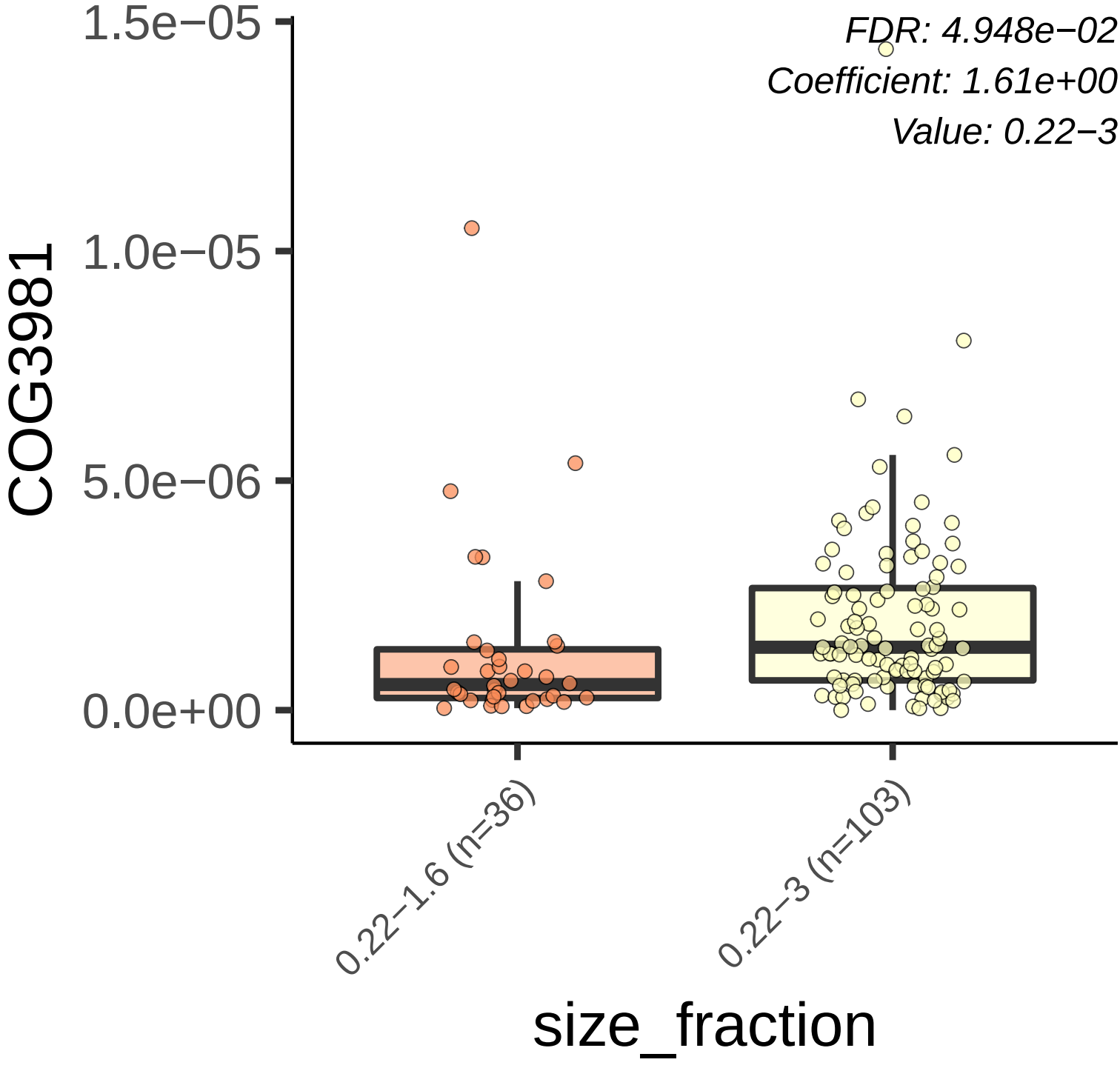

FDR: 4.922e−02
Coefficient: −1.33e−01
Value: 0.22−3
7e−04
6e−04
5e−04
4e−04
COG1181
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

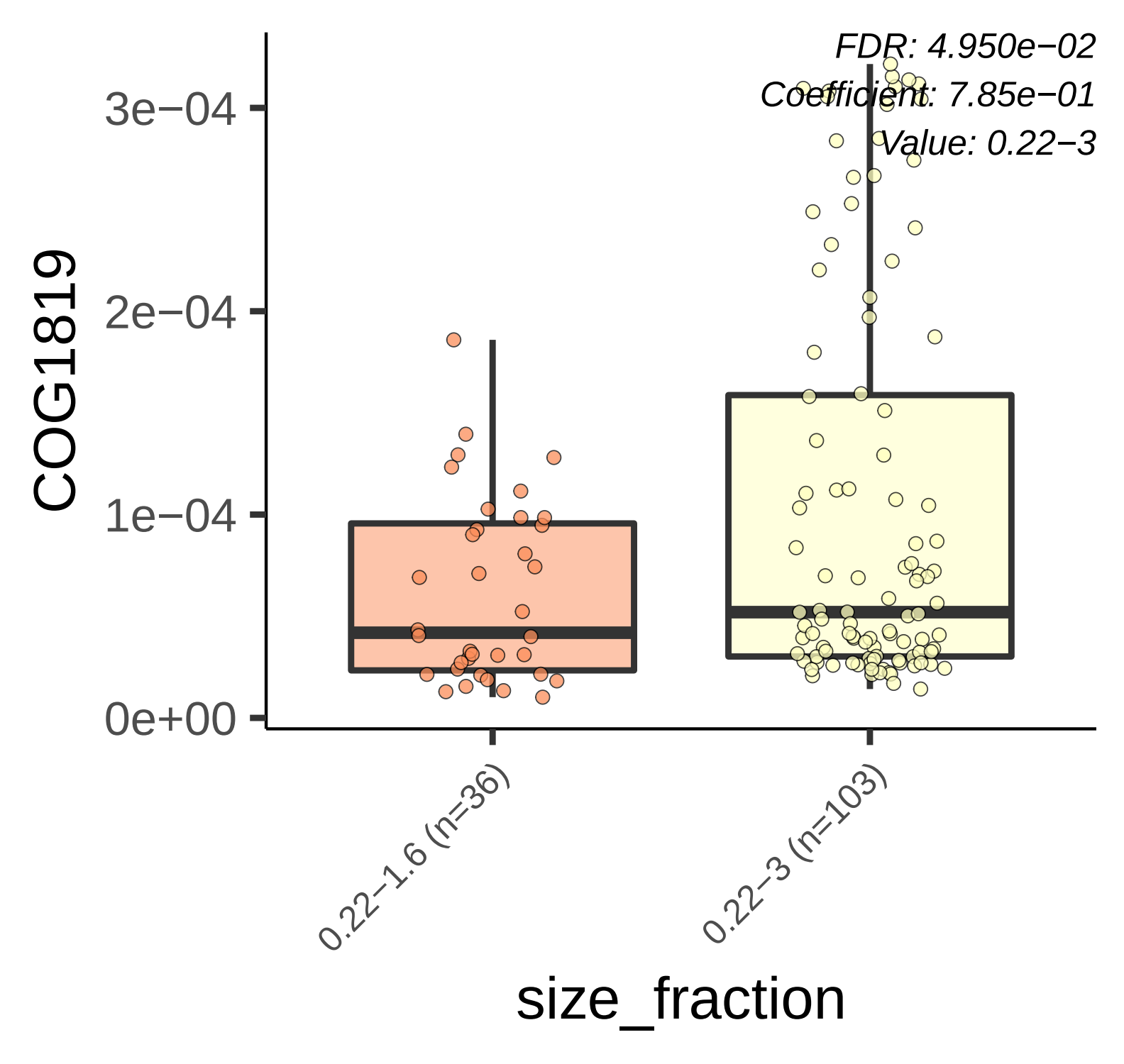

FDR: 4.933e−02
Coefficient: 6.17e−01
Value: 0.22−3
COG1934
0.00015
0.00010
0.00005
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

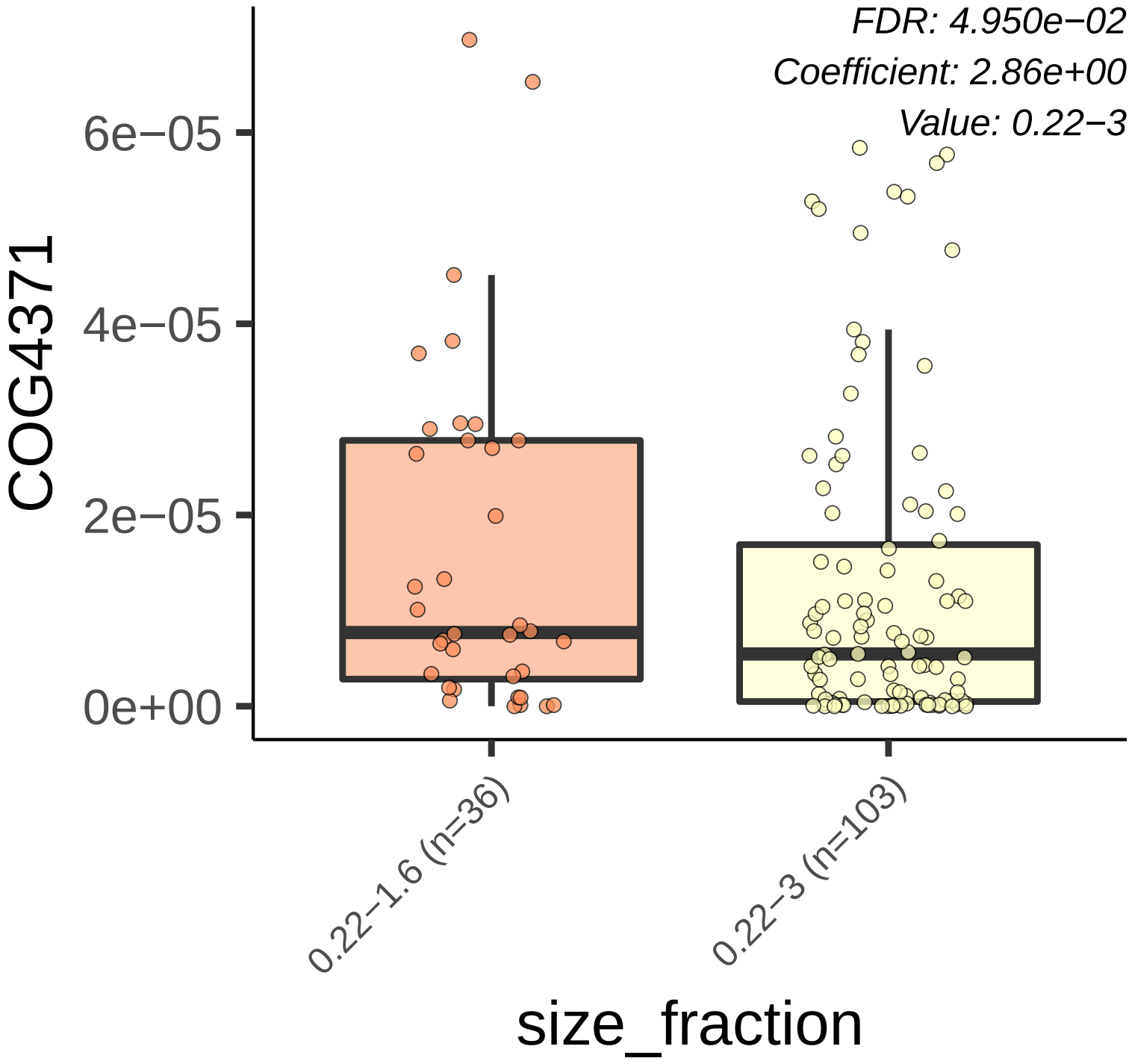

FDR: 4.936e−02
Coefficient: 1.74e+00
Value: 0.22−3
1.2e−06
9.0e−07
6.0e−07
3.0e−07
0.0e+00
COG5083
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

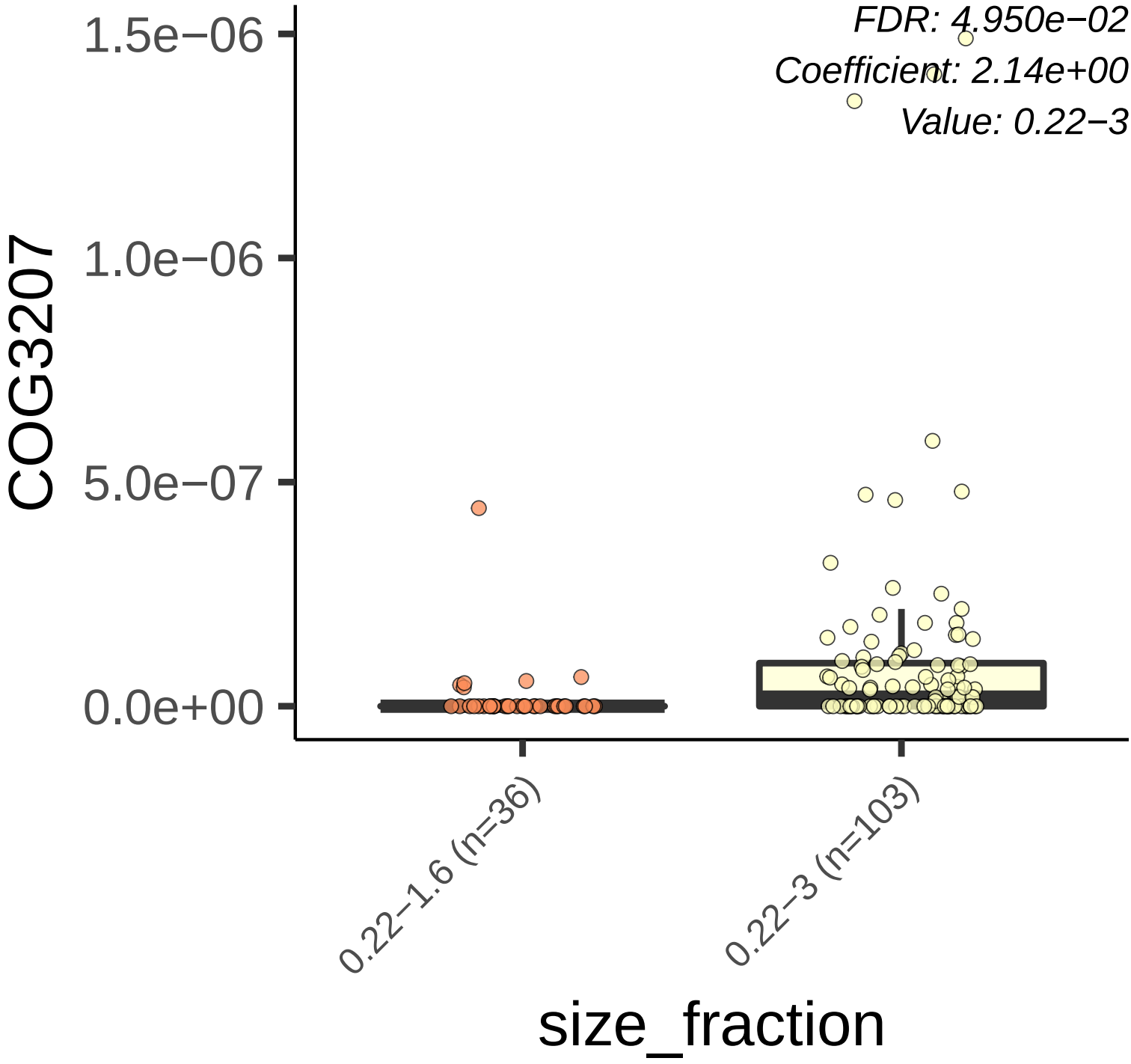

FDR: 4.942e−02
Coefficient: 2.33e+00
Value: 0.22−3
COG2413
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction

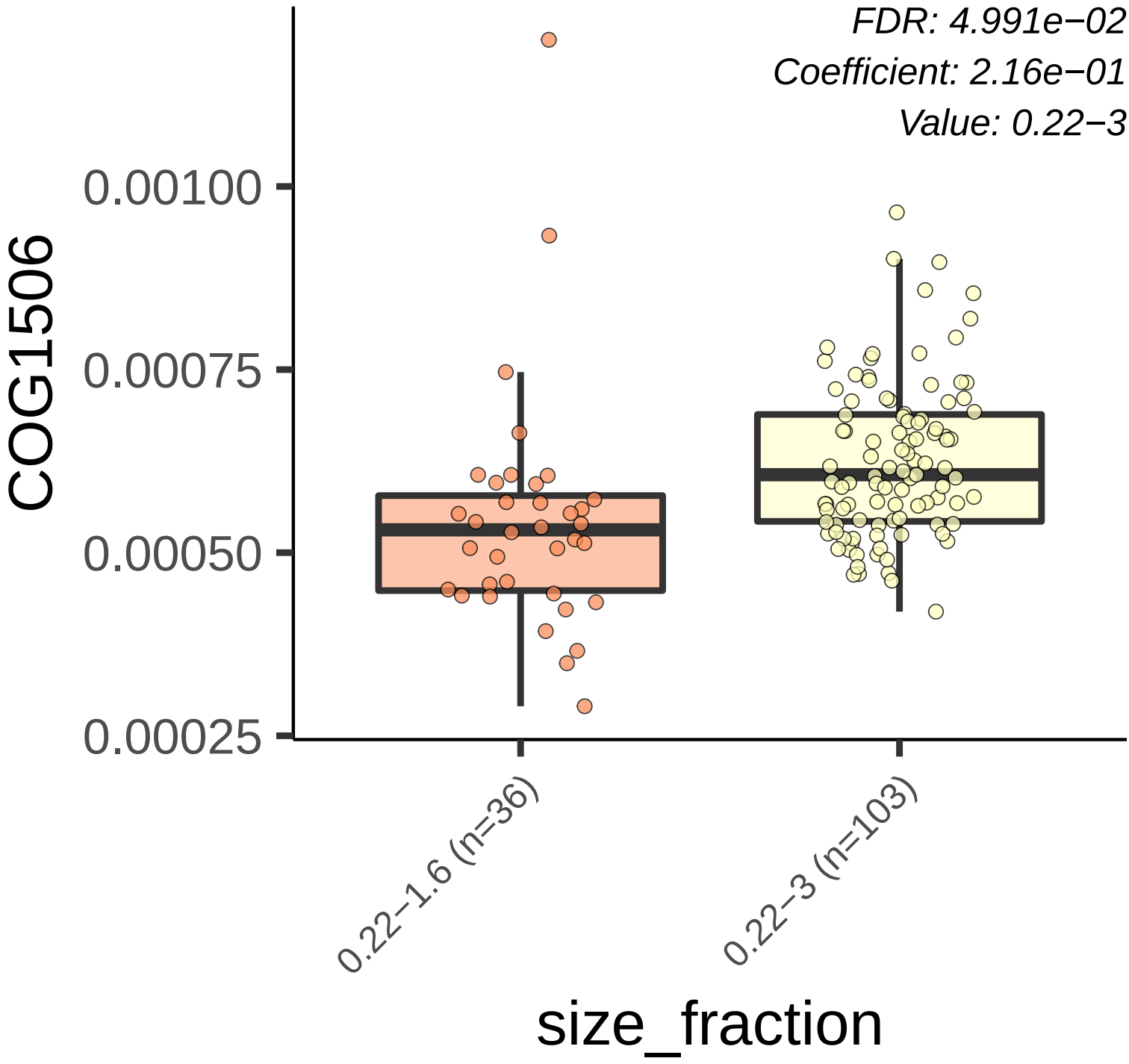

FDR: 4.947e−02
Coefficient: 2.16e+00
Value: 0.22−3
COG4895
4e−05
3e−05
2e−05
1e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.948e−02
Coefficient: 1.61e+00
Value: 0.22−3
COG3981
1.5e−05
1.0e−05
5.0e−06
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.950e−02
Coefficient: 7.85e−01
Value: 0.22−3
COG1819
3e−04
2e−04
1e−04
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.950e−02
Coefficient: 2.86e+00
Value: 0.22−3
COG4371
6e−05
4e−05
2e−05
0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.950e−02
Coefficient: 2.14e+00
Value: 0.22−3
COG3207
1.5e−06
1.0e−06
5.0e−07
0.0e+00
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction


FDR: 4.991e−02
Coefficient: 2.16e−01
Value: 0.22−3
COG1506
0.00100
0.00075
0.00050
0.00025
0.22−1.6 (n=36)
0.22−3 (n=103)
size_fraction