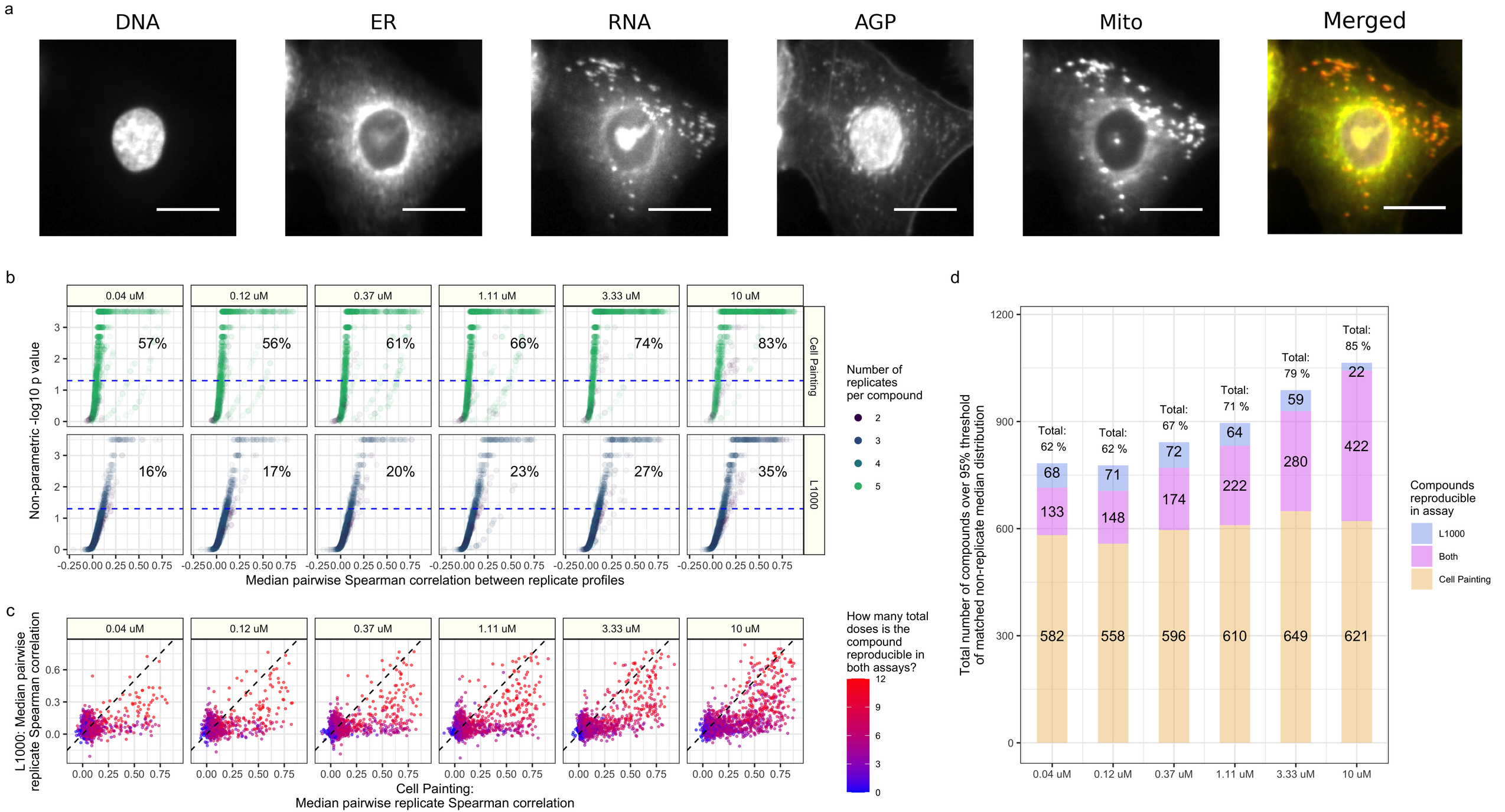
a
DNA
ER
RNA
AGP
Mito
Merged
b
0.04 uM
0.12 uM
0.37 uM
1.11 uM
3.33 uM
10 uM
Cell Painting
L1000
57%
56%
61%
66%
74%
83%
16%
17%
20%
23%
27%
35%
Non-parametric -log10 p value
Median pairwise Spearman correlation between replicate profiles
Number of replicates per compound
2
3
4
5
c
L1000: Median pairwise replicate Spearman correlation
Cell Painting: Median pairwise replicate Spearman correlation
How many total doses is the compound reproducible in both assays?
d
Total number of compounds over 95% threshold of matched non-replicate median distribution
Total: 62 %
Total: 62 %
Total: 67 %
Total: 71 %
Total: 79 %
Total: 85 %
68
133
582
71
148
558
72
174
596
64
222
610
59
280
649
22
422
621
Compounds reproducible in assay
L1000
Both
Cell Painting