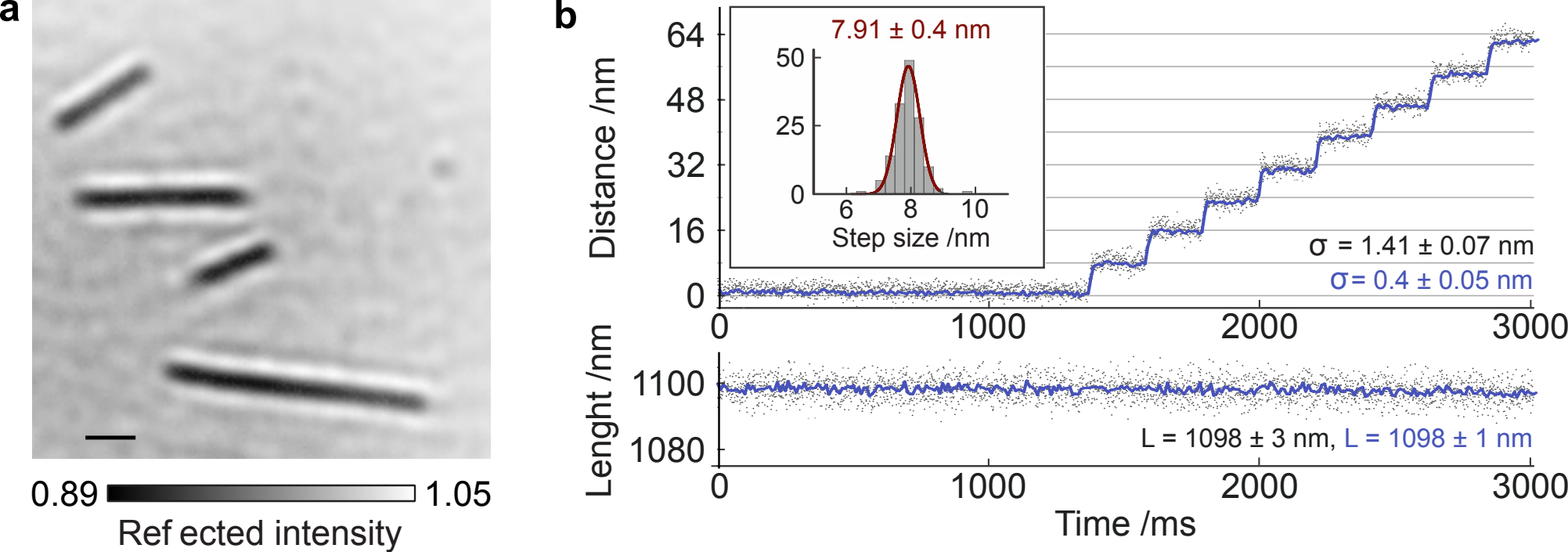

a
0.89
1.05
Ref ected intensity
b
Distance /nm
64
48
32
16
0
7.91 ± 0.4 nm
50
25
0
6
8
10
Step size /nm
σ = 1.41 ± 0.07 nm
σ= 0.4 ± 0.05 nm
0
1000
2000
3000
Lenght /nm
1100
1080
L = 1098 ± 3 nm, L = 1098 ± 1 nm
0
1000
2000
3000
Time /ms