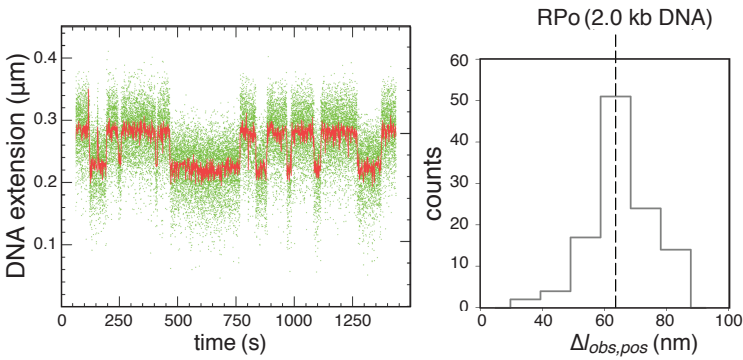


Figure 4-figure supplement 1

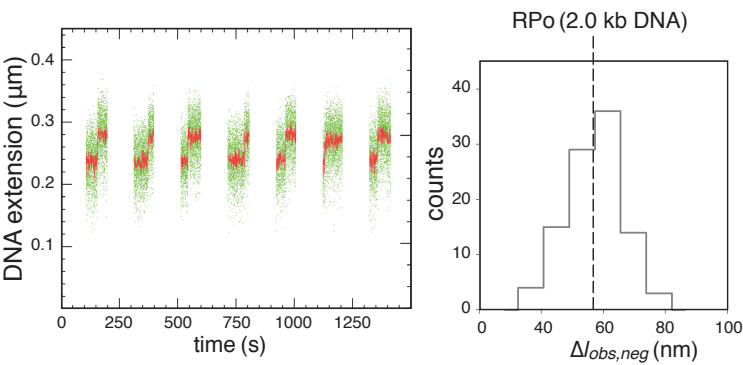
A

positively supercoiled DNA

2.0 kb DNA segment

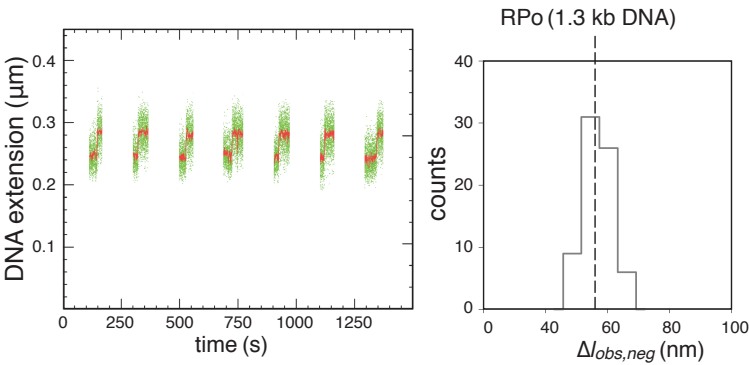
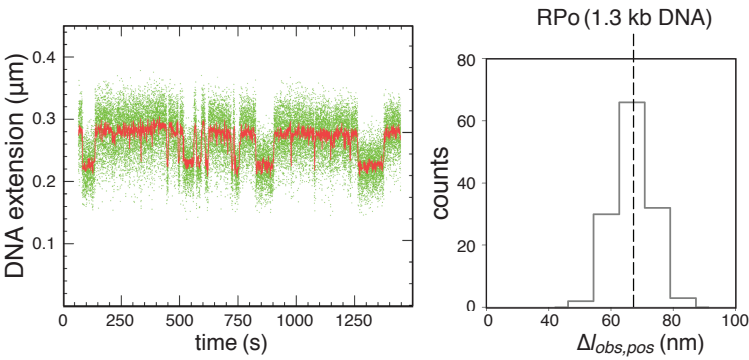


negatively supercoiled DNA



B

1.3 kb DNA segment



C

	$\Delta \bar{l}_{obs,pos}$ (nm)	$\Delta \bar{l}_{obs,neg}$ (nm)	unwinding (bp)
2.0 kb DNA segment	63±5	57±5	11±1
1.3 kb DNA segment	67±3	56±3	11±0.5