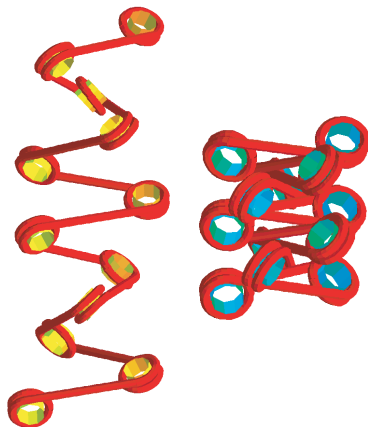


a



b

NS state	Open	Positive
α	-30°	30°
β	90°	115°
Δl (nm)	8.3	2.8
ΔL_{kt} (turn)	- 0.5	- 0.4
ΔL_{km} (turn)	- 0.7	- 0.4

Supplementary figure 3. "Open-state" and "positive-state" ideal fibers. **(a)** Chromatin fibers with "open" nucleosomes (yellow cores) and "positive" nucleosomes (light blue cores), as computed from the model. **(b)** Corresponding fibers structural parameters (see legend of **Supplementary Fig. 2c** for details).