The Root Mean Square Deviations (RMSD, Å) are plotted in function of time (ns) for four DNA dodecamers (A: Oligo1; B: Oligo 2; C: Oligo 3; D: Oligo 4) simulated with either Parmbsc0εζcoli (top panels, in blue) or CHARMM36 (bottom panels, in red) force fields. RMSDs were calculated on the heavy atoms of the simulated structures -discarding the first and last base-pairs- and reference canonical B-DNAs generated by AMBER.

From: *Simulations meet experiment to reveal new insights into DNA intrinsic mechanics*
Akli Ben Imeddourene, Ahmad Elbahnsi, Marc Guérout, Christophe Oguey, Nicolas Foloppe, and Brigitte Hartmann