

SUPPLEMENTARY INFORMATION

Photochemical analysis of structural transitions in DNA liquid crystals reveals differences in spatial structure of DNA molecules organized in liquid crystalline form

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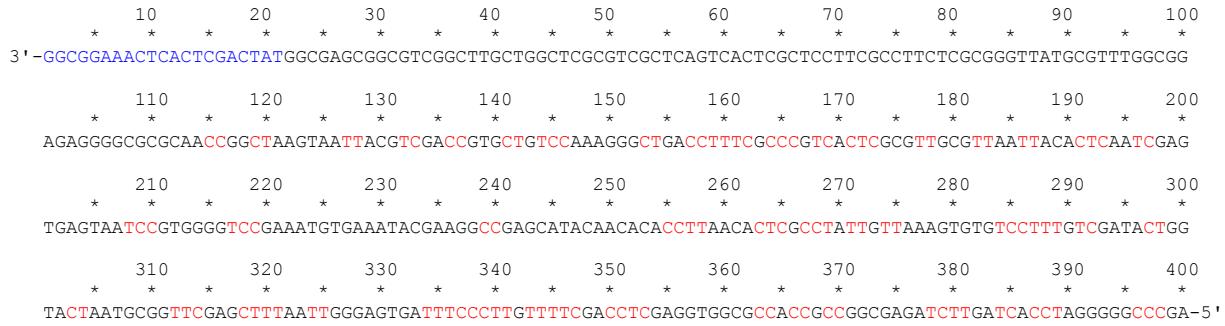
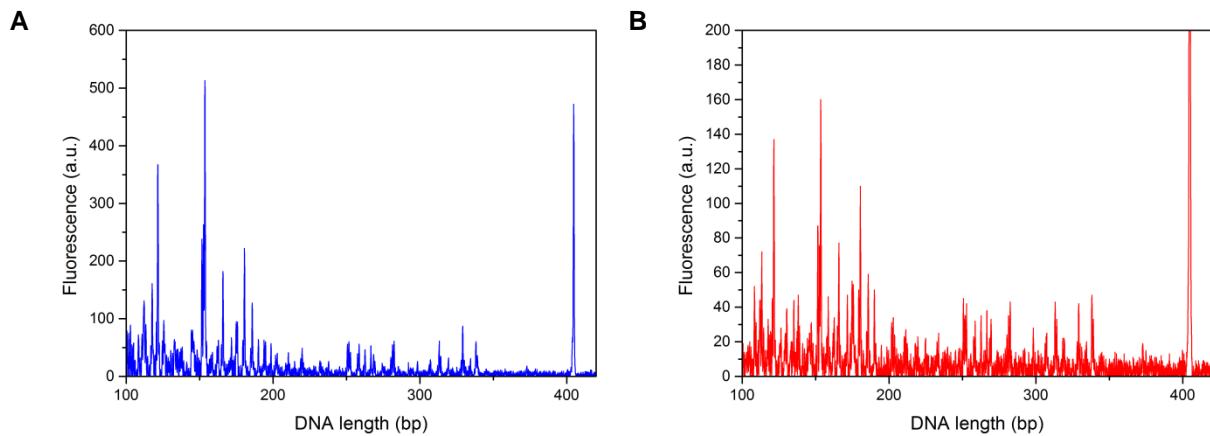


Figure S1. Part of pBSK sequence analyzed during our experiments. The complementary sequence for R1090 reverse primer is in blue. Y-Y steps in the region analyzed (bases between 110-400) are shown in red.



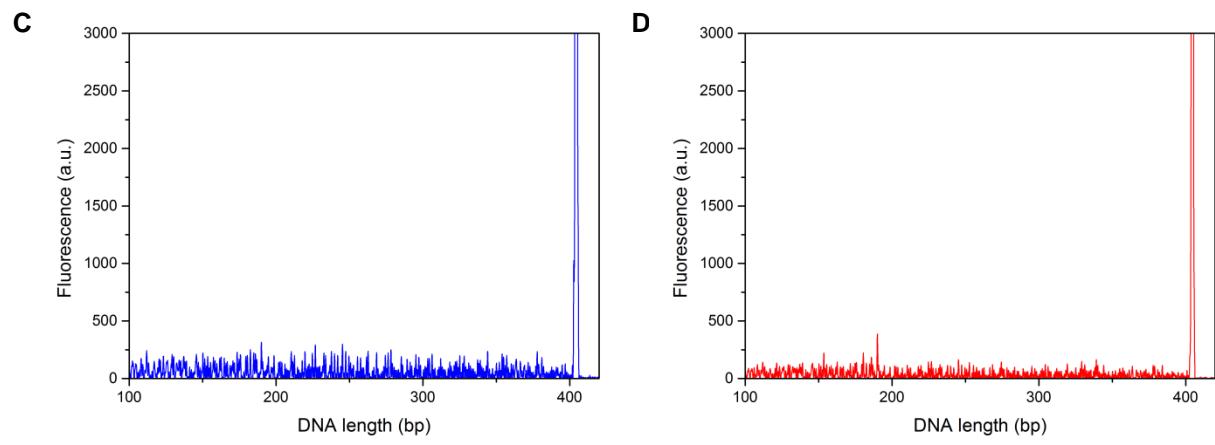


Figure S2. Differences between capillary electrophoretograms obtained after primer extension with R1090 primer for (A) irradiated DNA solution S1; (B) irradiated DNA LC1; (C) non-irradiated DNA solution S1 and (D) non-irradiated DNA LC1.