## Twist-Induced Defects of the P-SSP7 Genome Revealed by Modeling Cryo-EM Density

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DNA sequences (from 3' to 5'). The base pairs corresponding to the hole in the density map are colored in red.

Sequence A:

Sequence B:

CAAGAGCGACCTAATGTATAGATCGCGCCCCG**TTTA**GGCTGGGGGGGATGCCCCCAA AAACGCAGGACACATGTAGCATAT Figure S1. Density map produced from simulations of a twisted DNA (Sequence B) without cryo-EM fitting.  $\sigma$  = -0.33. T = 310K.



Figure S2. Density map produced from simulations of a twisted DNA (sequence A) without cryo-EM fitting and without position constraint.  $\sigma = -0.33$ . T = 310K.

