

Additional file 6, Fig. S5

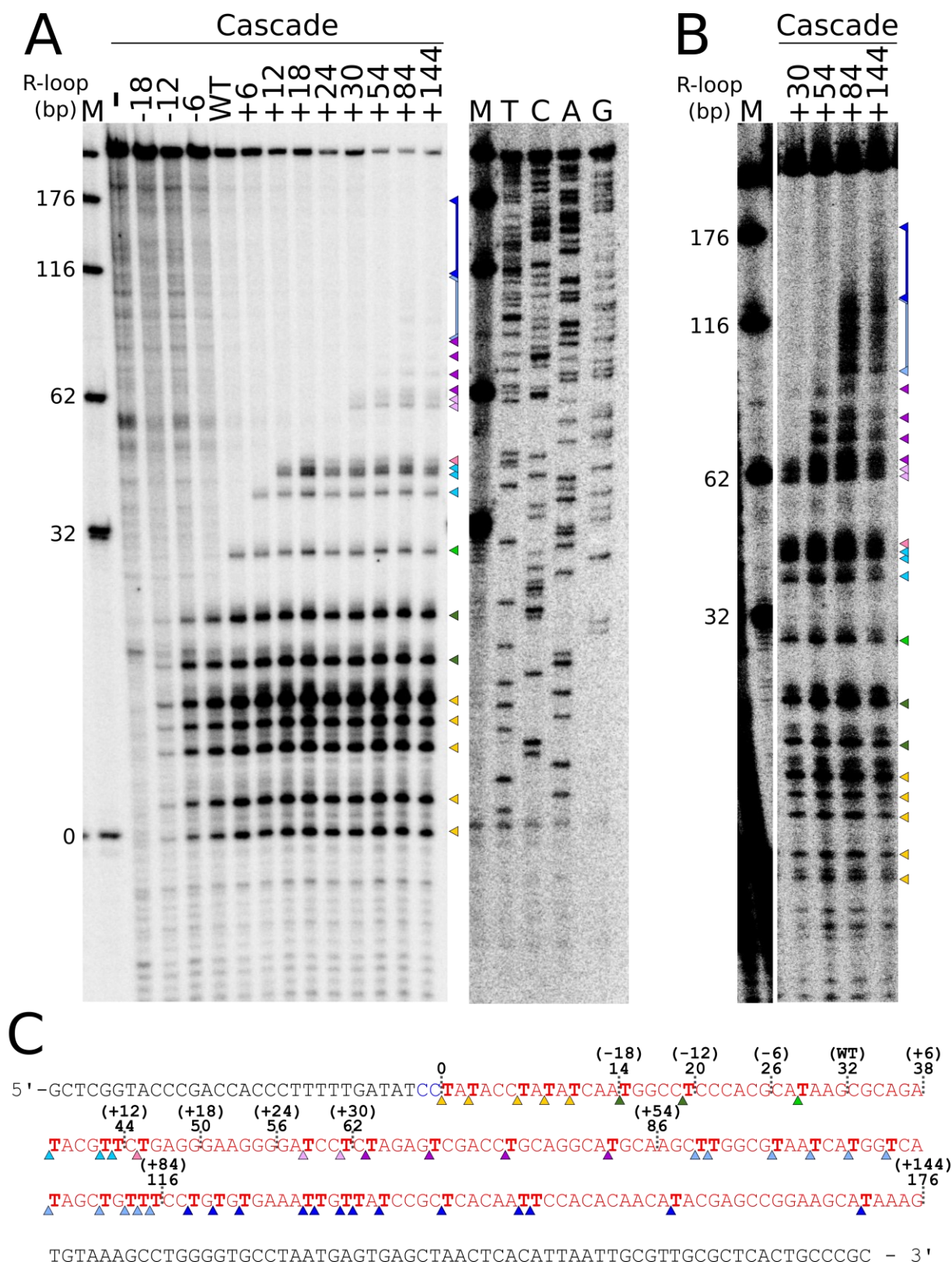


Fig. S5. R-loops formed by Cascade complexes containing truncated or extended spacers. (A and B) Denaturing polyacrylamide gels of DNA duplex footprints. DNA duplex SP-CC-3 was ³²P-labelled on the non-target DNA strand then DNA target was pre-incubated with a respective Cascade complex and treated with KMnO₄ for a 60 s (A) or 20 s (B). T, C, A, G lanes in the (A) represent sequencing

reactions for the non-targeting strand of the DNA target using TS911 ³²P-5'-labelled-oligonucleotide. The boundaries for the expected 32, 62, 116, and 176 bp length R-loops are indicated in the M lanes. **(C)** *The sequence of the non-target strand.* The protospacer region and PAM are coloured in red and blue, respectively. Triangles of different colours on the right of the gels (**A** and **B**) and within the non-target strand sequence (**C**) indicate cleavage positions near accessible thymidines (bold). Expected lengths of the R-loops formed by extended or truncated Cascade complexes (specified in parentheses) are indicated above the sequence.