Electronic Supplementary Information

Effects of I-Motif DNA Loop on the Fluorescence of Silver Nanoclusters

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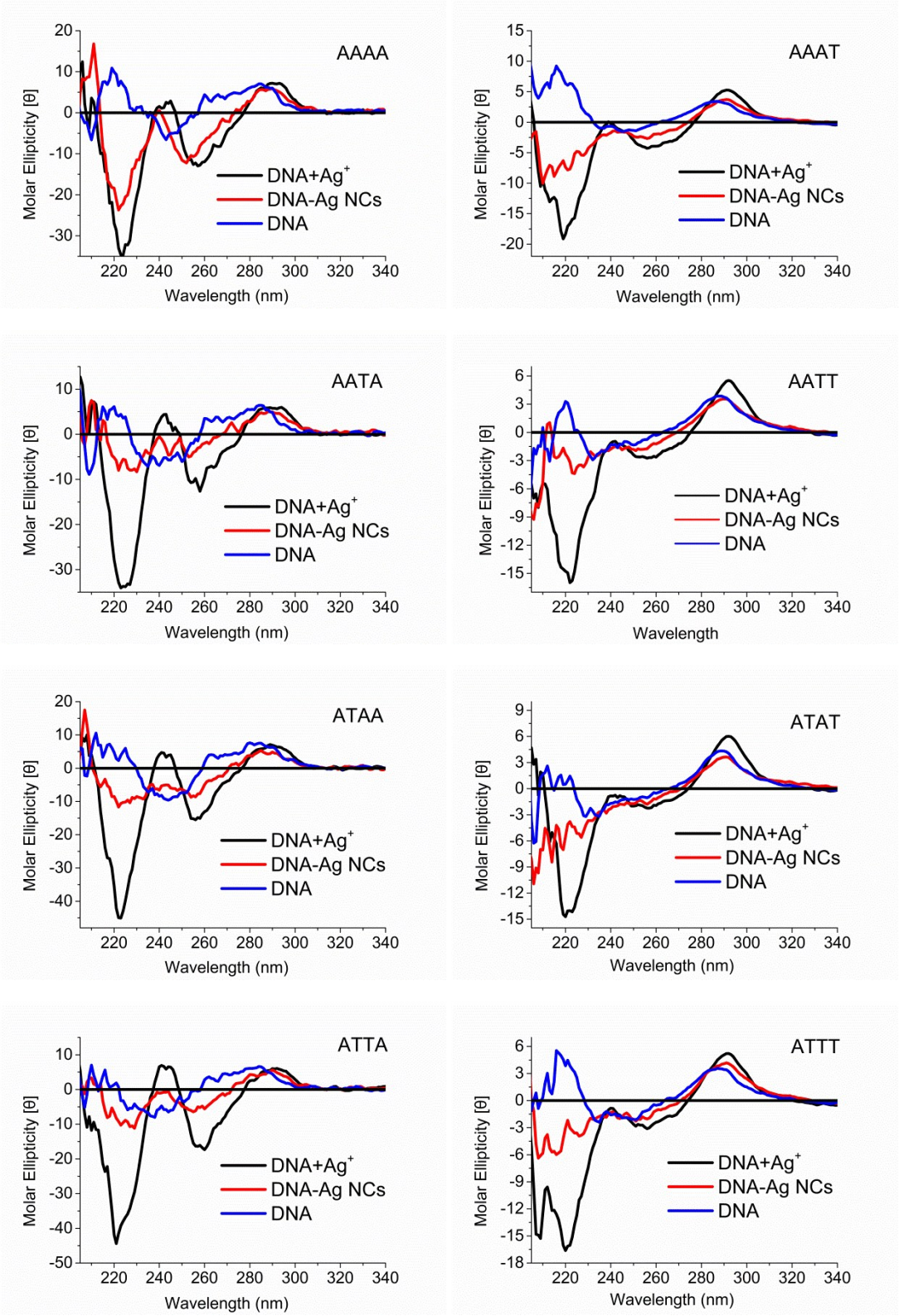
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AAAT
AATA
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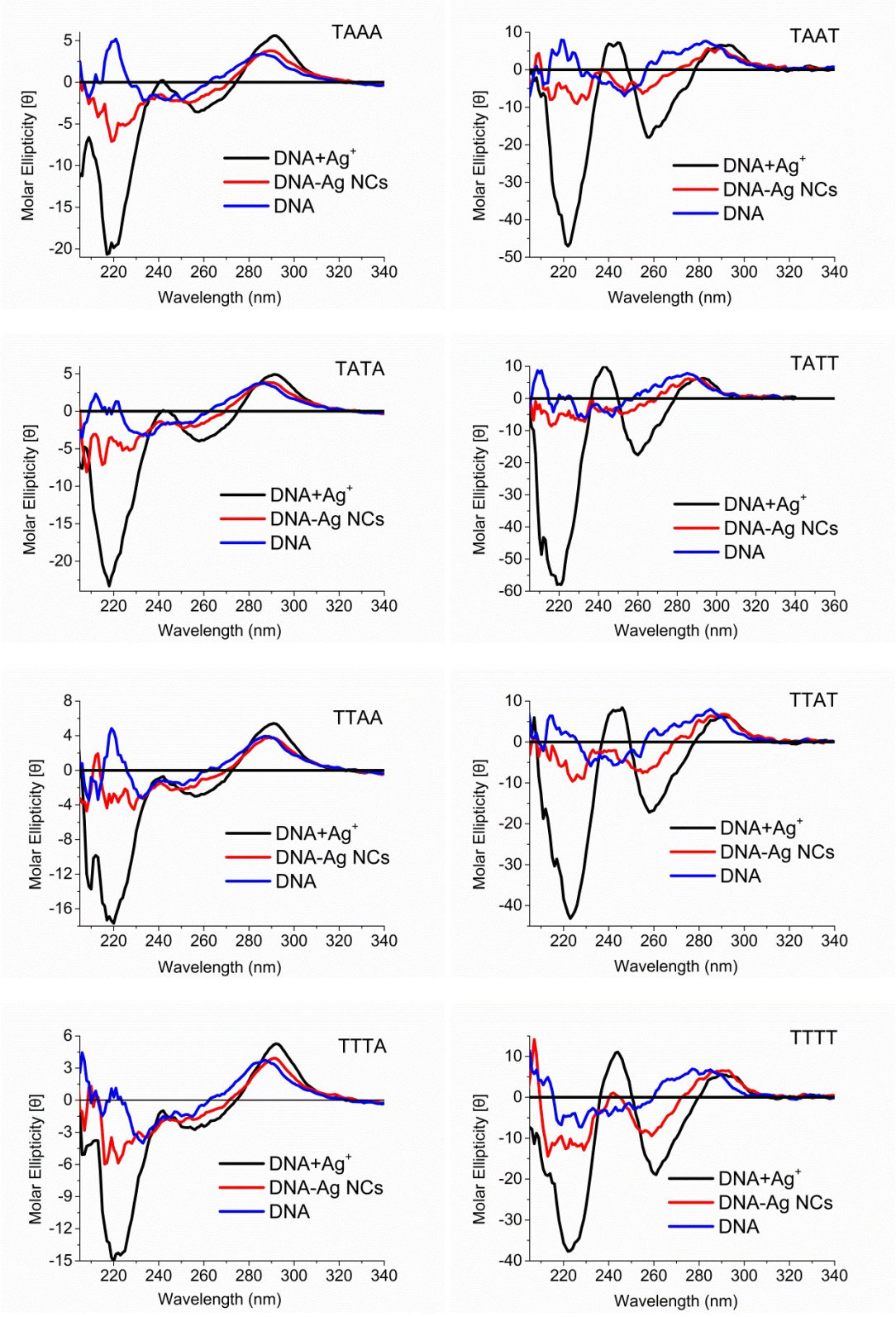
ATAA
ATAT
ATTA
ATTT
DNA+Ag+
DNA-Ag NCs
DNA
Molar Ellipticity [θ]
Wavelength (nm)
Wavelength


TAAA
TAAT
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Wavelength (nm)
DNA+Ag+
DNA-Ag NCs
DNA

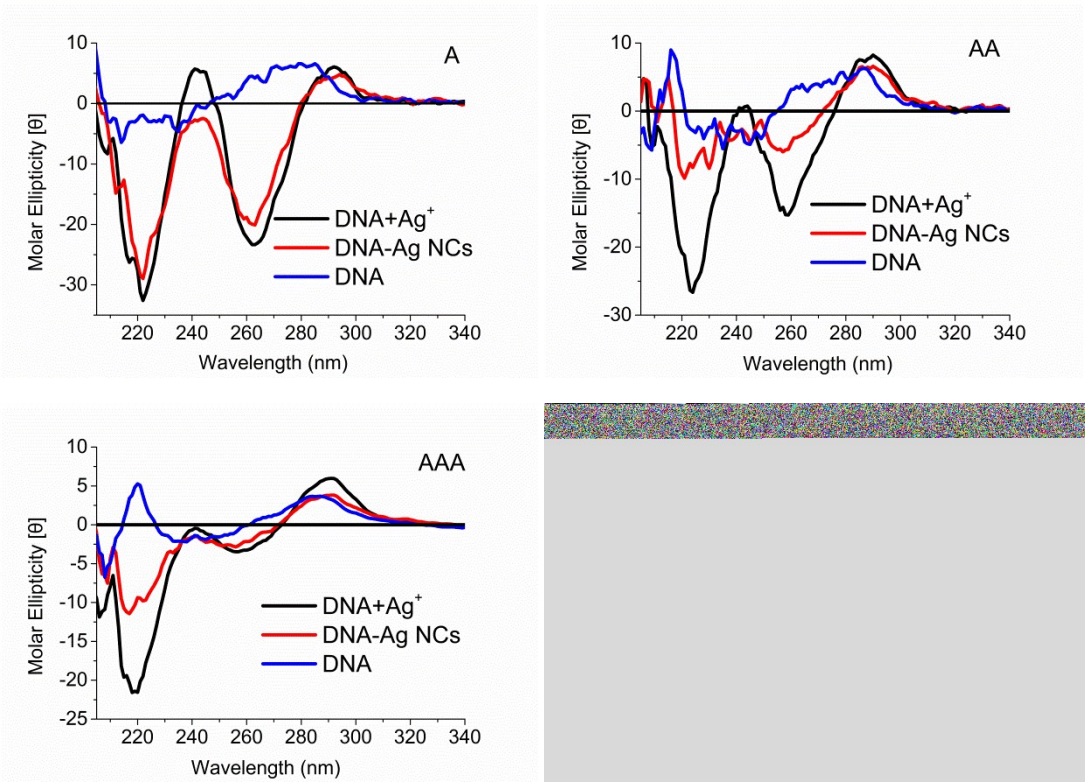

Fig. S1. The circular dichroism spectra of DNA+Ag^+ complex (black), DNA-Ag NCs (red) and pure DNA (blue) solution. All samples were dispersed in 20 mM PB buffer at pH 6.6.

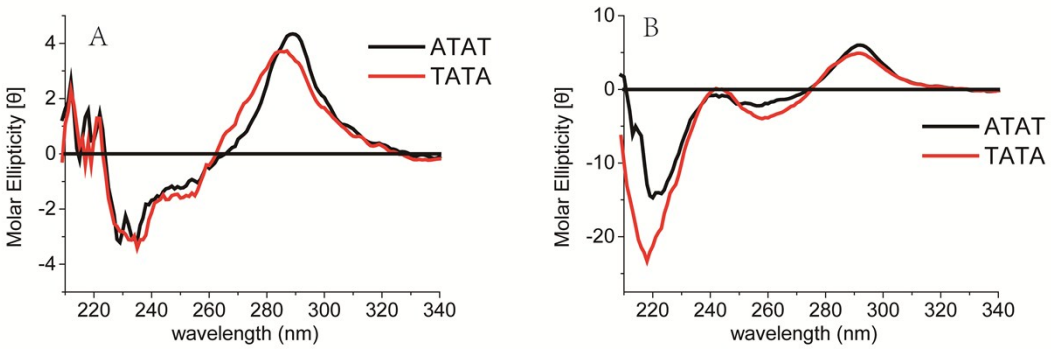

Fig. S2. The CD spectra of the DNA sequence C_4-ATAT-C_4 (black) and C_4-TATA-C_4 (red) (A) before and (B) after adding the Ag^+ ions.

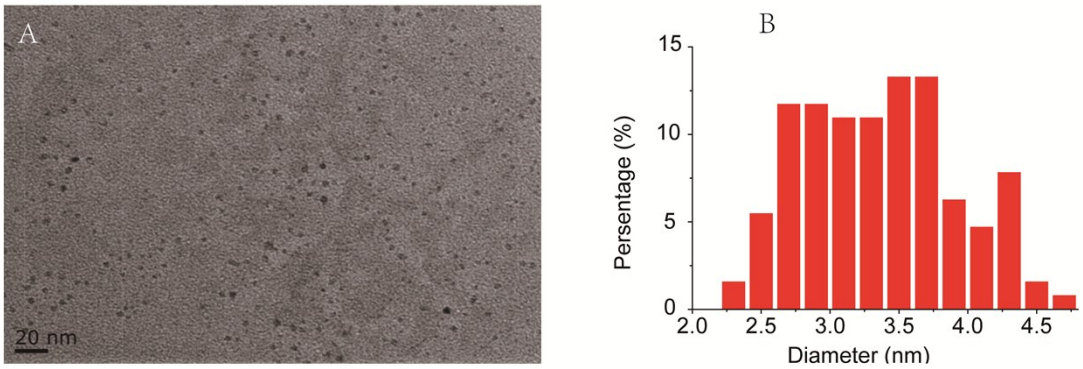

Fig. S3. The TEM image and size distribution histogram (B) of the Ag NCs stabilized by the DNA sequence C_4-***TATA***-C_4.

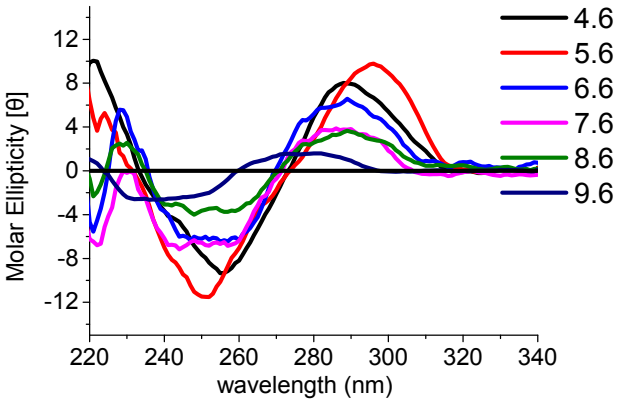

Fig. S4. The CD spectra of the sequence C_4-***ATAT***-C_4 under a wide pH values ranged from 4.6 to 9.6.

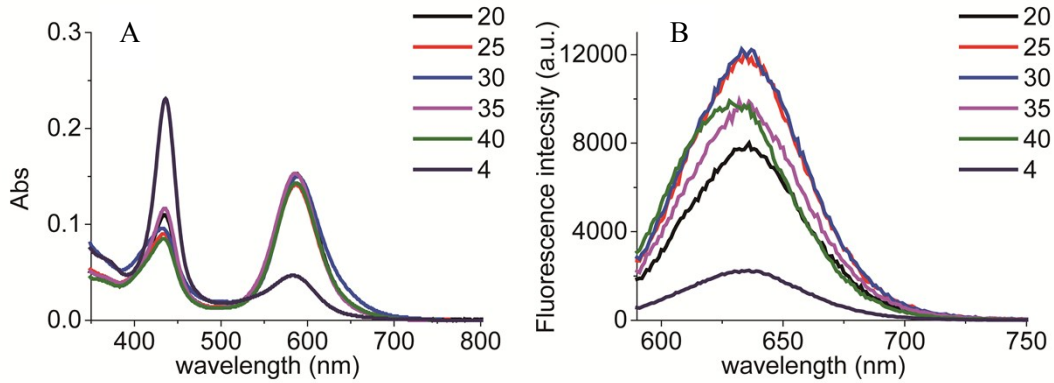

Fig. S5. (A)The UV adsorption spectrum and (B) fluorescence intensity of C_4-***ATAT***-C_4 stabilized Ag NCs as the temperature.