Supporting Information
Interaction of Thionine with Triple, Double and Single stranded RNAs

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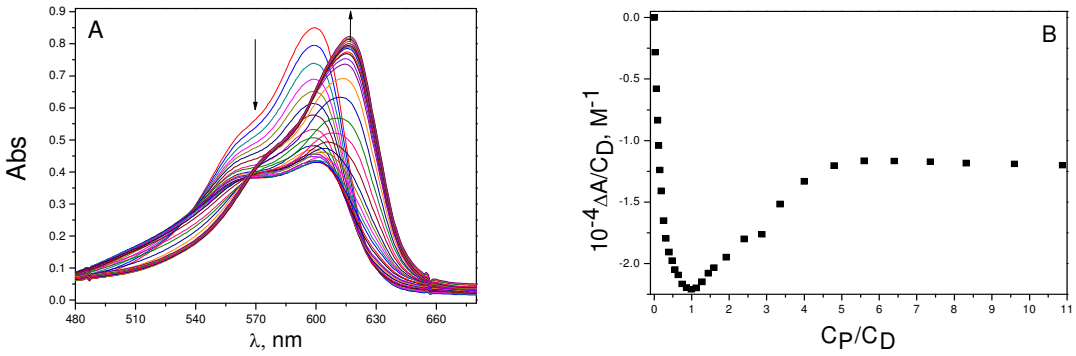

Figure 1SI. A) Spectra and B) Binding isotherm for the titration of thionine with poly(rA)·poly(rU) (duplex), C_P=6.00·10^{-4}M. λ=600 nm, I=0.01M (NaCl), pH=7.0 and *T*=25ºC.

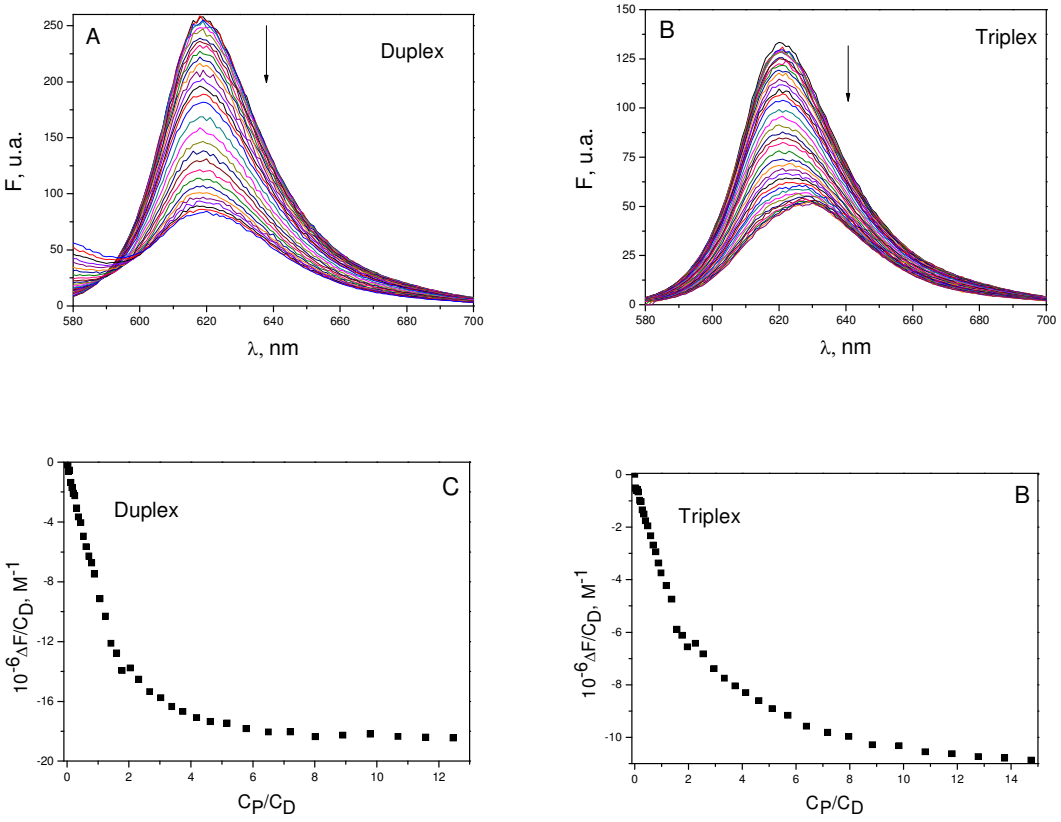

Figure 2SI. Spectrograms of A) thionine-duplex obtained from fluorescence measurements C_P =1.63·10^{-4}M B) thionine-triplex, C_P=1.50·10^{-4}M and Fluorescence binding isotherms of C) thionine-duplex and D) thionine-triplex. λ_{exc}= 565nm, I=0.1 M (NaCl), pH=7.0 and *T*=25ºC.

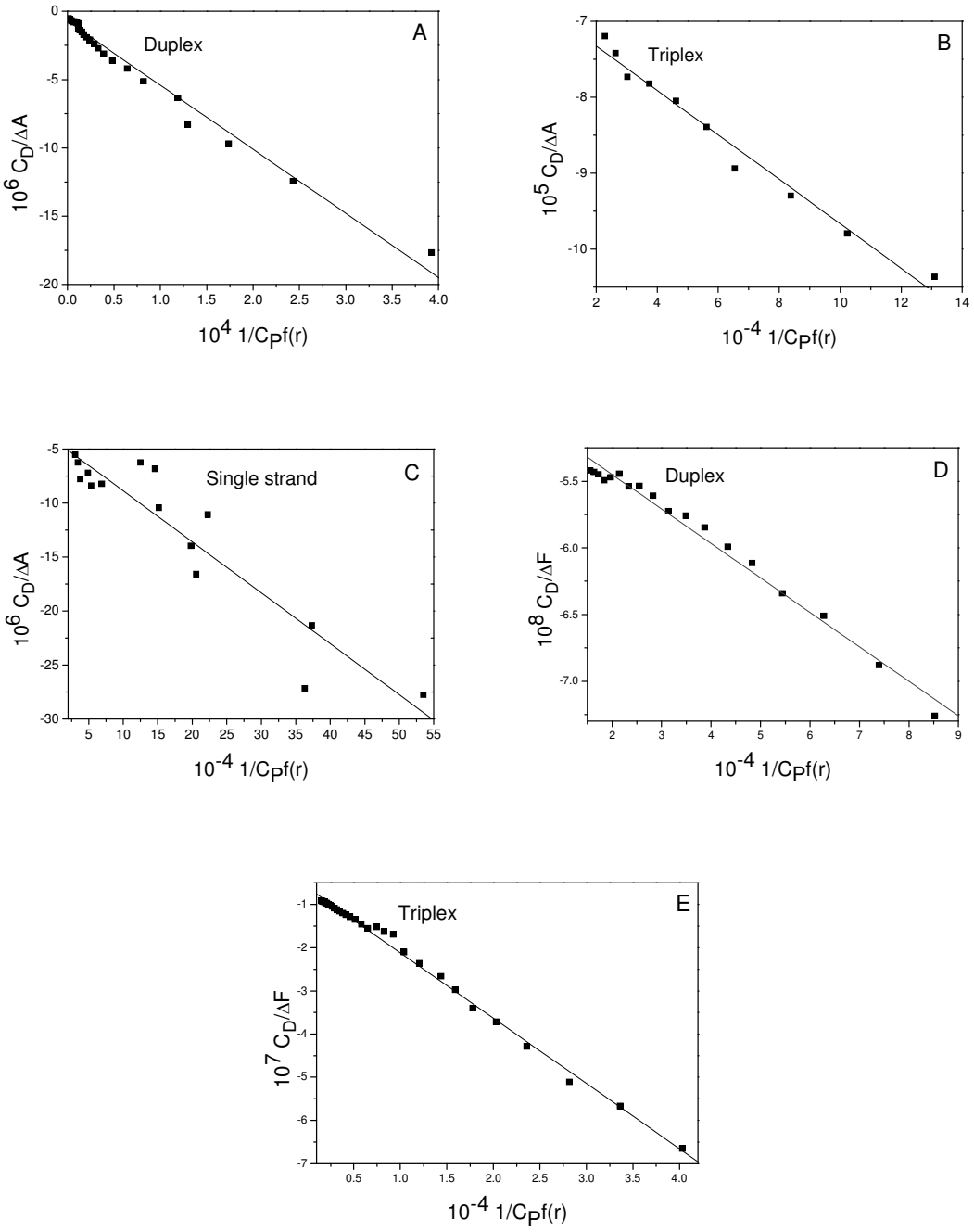

Figure 3SI. Absorbance (A,B,C) and fluorescence (D,E) titration analyses carried out with eq 2: (A,D) thionine-duplex (B,E) thionine-triplex and (C) thionine-ss. I=0.1M (NaCl), pH=7.0 and *T*=25ºC

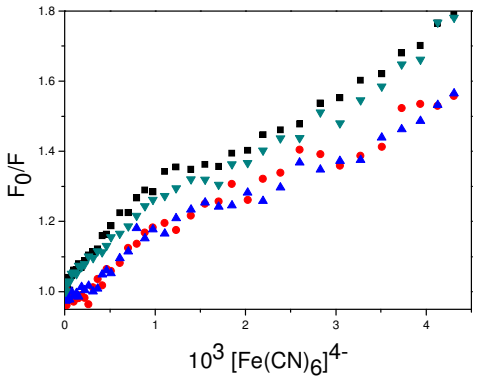

Figure 4SI. Stern-Volmer plot for free thionine (■), thionine-ss (▼), thionine-duplex (●) and thionine-triplex. (▲).C_D/C_P=0.1, C_D= 9 μM, λ_{exc}=565nm, λ_{exc}=625 nm, I =0.1 M (NaCl), pH=7.0 and *T*=25ºC.

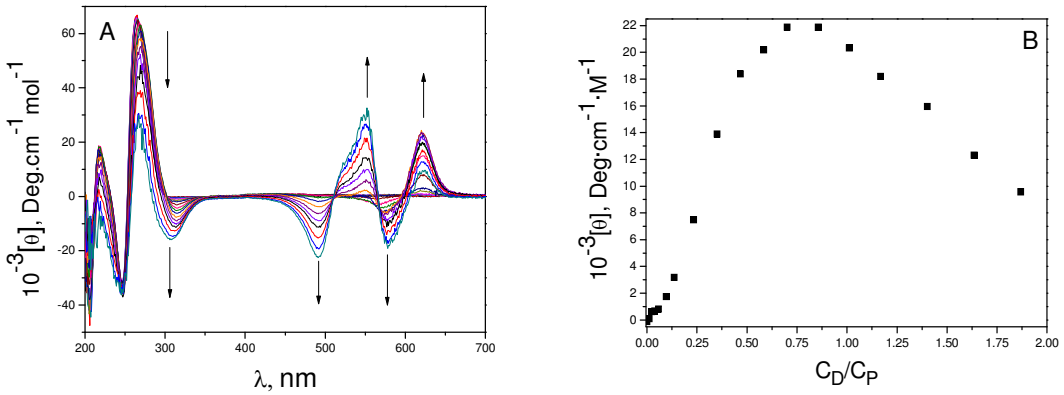

Figure 5SI. Circular dichroism spectrogram and [θ] vs C_D/C_P plot for thionine-duplex at C_P^0=1.21·10^{-4}M, C_D =9.00·10^{-4}, λ= 625nm I=0.01M (NaCl), pH=7.0 and *T*=25ºC.