

Supplementary Information

A Graphene Oxide-based Enzyme-Free Signal Amplification Platform for Homogeneous DNA Detection

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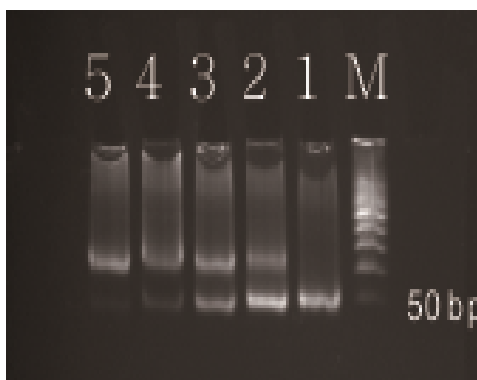


Figure S1 Nondenaturing polyacrylamide gel (20%) analysis of the formation of the H1–H2 complex: (1) H1; (2) H1 + H2; (3) H1 + H2 + 50 nM T; (4) H1 + H2 + 100 nM T; (5) H1 + H2 + 500 nM T.

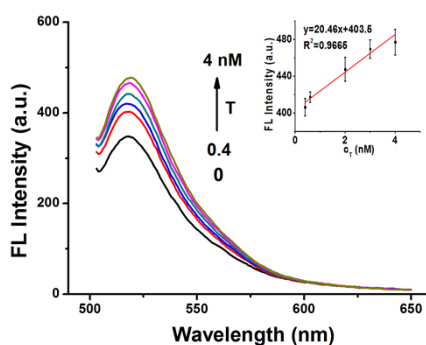


Figure S2 Fluorescence emission spectra in the presence of different amount of the target DNA in 1% serum. Concentration of target DNA: 0, 0.4, 0.6, 2, 3 and 4 nM (from the bottom to the top). Insert: the linear curve of target DNA detection in 1% serum. The data shown in the figures represent the average of three independent experiments ($n=3$).