

Supplementary Information

An Electricity-Fluorescence Double-Checking Biosensor Based on Graphene for Detection of Binding Kinetics of DNA Hybridization

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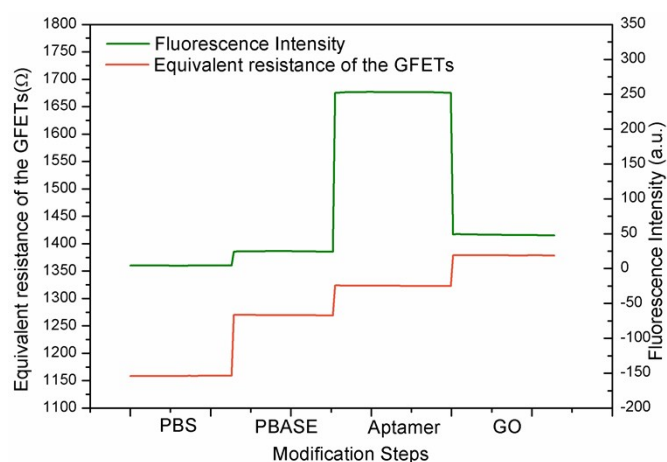


Fig. S1. The change of fluorescence and equivalent resistance of graphene FETs with modification by PBASE, probe Aptamer and GO.

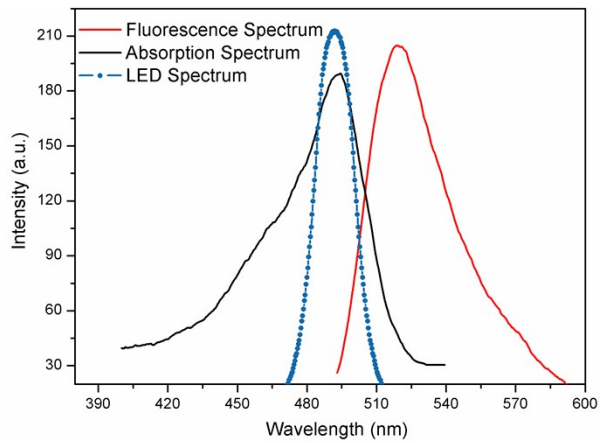


Fig. S2. Absorption and emission spectra of the FAM and emission spectra of a LED.

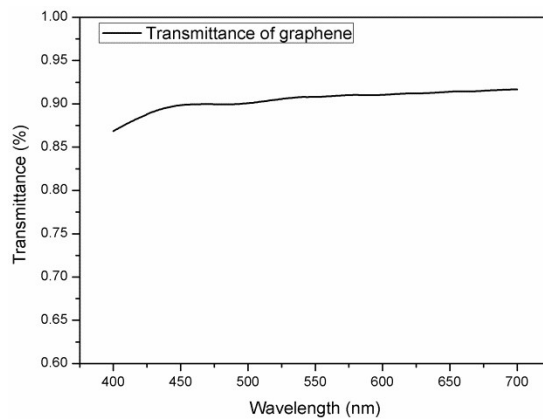


Fig. S3. Relationship between wavelength and transmittance of graphene film.

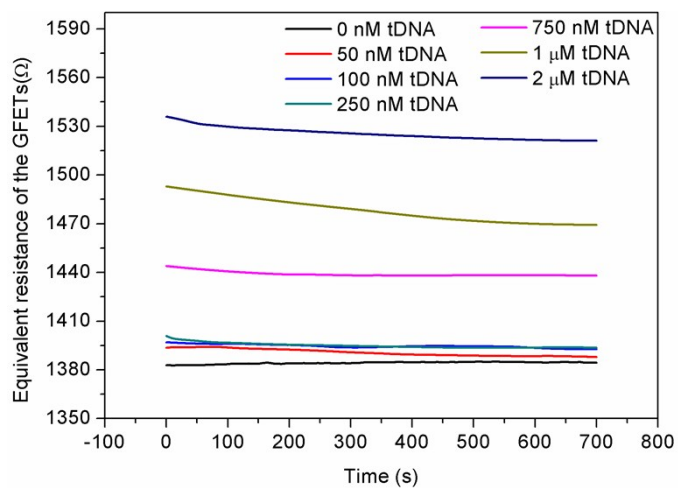


Fig. S4. Real-time resistance of the GFETs with different concentrations of tDNA.