A novel electrochemical biosensor for DNA detection based on exonuclease III assisted target recycling and rolling circle amplification

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Scheme S1 Schematic representation of fluorescent detection of DNA based on Exo III assisted DNA recycling and RCA for dual signal amplification.
**Fig. S1** Fluorescence spectra of (a) no target, MB, Exo III, RCA template, dNTPs and polymerase and fluorescence probe. (b) target, MB, Exo III, RCA template, dNTPs and polymerase and fluorescence probe.

**Fig. S2** (A) Differential pulse voltammetry (DPV) responses of the gold electrode (a) and GE modified with MB (b) after adsorption of RuHex. (B) AFM height image of MB modified glass slides.