Supporting information for

**Chemiluminescence DNA Biosensor Based on Dual-Amplification of Thrombin and Thiocyanuric Acid-Gold Nanoparticle Network**

Xuemei Li, Wei Li and Shusheng Zhang*

*Key Laboratory of Eco-chemical Engineering, Ministry of Education, College of Chemistry and Molecular Engineering, Qingdao University of Science and Technology, Qingdao 266042, China*
**Figure S1** Kinetics of CL emission obtained with different sample injection sequences. Experimental conditions: 1.0×10^{-4} M luminol in 0.1 M NaOH/NaHCO_{3} and 1.0×10^{-4} g mL^{-1} of Au^{3+}. (a) Luminol was injected and (b) Au^{3+} was injected.

**Figure S2** CL intensity versus the concentration of TCA. The concentrations for target DNA: (a) 3.0×10^{-10} M, and (b) 3.0×10^{-14} M
Figure S3 Kinetics of CL emission obtained with different sizes of AuNPs. The concentration of target DNA was $3.35 \times 10^{-14}$ M. The diameters of AuNPs were: (a) 17 nm, (b) 10 nm, (c) 40 nm.
**Figure S4** Anodic stripping voltammetry analysis of (a) standard Pb$^{2+}$ solution and (b) the CL detection solution

**Figure S5** The calibration curve for the determination of target DNA without TCA amplification