Supplementary Information (ESI) for:

Ultrasensitive electrochemical detection of DNA hybridization using Au/Fe₃O₄ magnetic composites combined with silver enhancement

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Figure S-1. The distribution of diameter of Fe₃O₄/PSS/PDDA/Au composites using DLS method. Liquid: water.

Figure S-2. (A) LSV of different concentrations of Ag⁺ ions after preconcentration at a GC electrode; (B) the calibration plots of the determination of Ag⁺ ions. Error bars represent S. D., n=3.

Figure S-3. Effect of the dilution ratio of Fe₃O₄/PSS/PDDA/Au-probe 2 conjugate upon the anodic stripping peak current. Other parameters of the assay: 1μM probe 1, 5 fM target DNA. Error bars represent S. D., n=3.