Supporting Information

A G-quadruplex DNAzyme chemiluminescence aptasensor based on the target triggered DNA recycling for sensitive detection of adenosine

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Figure S1. Optimization of the concentration of H2. The concentrations of DNA1, DNA2, H1, hemin, luminol, H₂O₂ and adenosine were 0.1μM, 0.1μM, 0.2 μM, 0.2 μM, 1.0 mM, 35 mM and 100 μM, respectively.



Figure S2. Effect of the reaction pH on CL intensity. The concentrations of DNA1, DNA2, H1, H2, hemin, luminol, H₂O₂ and adenosine were 0.1μM, 0.1μM, 0.2 μM, 0.25μM, 0.2 μM, 1.0 mM, 35 mM and 100 μM, respectively.



Figure S3. Effect of the concentration of luminol on CL intensity. The concentrations of DNA1, DNA2, H1, H2, hemin, H₂O₂ and adenosine were 0.1μM, 0.1μM, 0.2 μM, 0.25μM, 0.2 μM, 35 mM and 100 μM, respectively.



Figure S4. Effect of the concentration of H₂O₂ on CL intensity. The concentrations of DNA1, DNA2, H1, H2, hemin, luminol and adenosine were 0.1μM, 0.1μM, 0.2 μM, 0.25μM, 0.2 μM, 1.0 mM and 100 μM, respectively.