Electronic Supplementary Information

Graphene oxide as a nano-platform for ATP detection based on aptamer chemistry

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Fig. S1 Effect of different concentrations of aptamer on the fluorescence intensity of FAM-DNA in the presence of GO. Inset: fluorescence intensity versus concentration of aptamer. Concentrations: FAM-DNA, 10 nM; NaCl, 30 mM; GO, 8.2 μg mL⁻¹; Tris-HCl (pH 7.4).
Fig. S2 Fluorescence emission spectra of FAM-DNA in the presence of different concentrations of ATP. Concentrations: FAM-DNA, 10 nM; NaCl, 30 mM; Tris-HCl (pH 7.4).

Fig. S3 Fluorescence quenching of FAM-DNA by GO as a function of time. Concentrations: FAM-DNA, 10 nM; NaCl, 30 mM; GO, 8.2 μg mL⁻¹. Tris-HCl (pH 7.4).