Electronic supplementary information

Simple and convenient G-quadruplex-based fluorescent assay of micrococcal nuclease activity

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Figure S1 Comparison the fluorescence intensity caused by the adding order of MNase and K⁺. (a) d[G₃(T₄G₃)₃] + K⁺ + NMM; (b) d[G₃(T₄G₃)₃] + MNase + K⁺ + NMM; (c) d[G₃(T₄G₃)₃] + K⁺ + MNase + NMM. Concentration: d[G₃(T₄G₃)₃], 2 μM; MNase, 1.2×10⁻³ units/mL; K⁺, 5 mM; NMM, 0.8 μM. Excitation: 399 nm.
Figure S2 Comparison the fluorescence intensity caused by the adding order of MNase and $K^+$ with increasing concentration of $K^+$. 
Figure S3 Fluorescence emission spectra of G-quadruplex-based biosensor in the presence of increasing amount of MNase in 10% culture medium (A) and fluorescence intensity of G-quadruplex-based biosensor in the presence of different concentration of MNase (inset: calibration curve for MNase detection) in 10% culture medium (B). Excitation: 399 nm.