

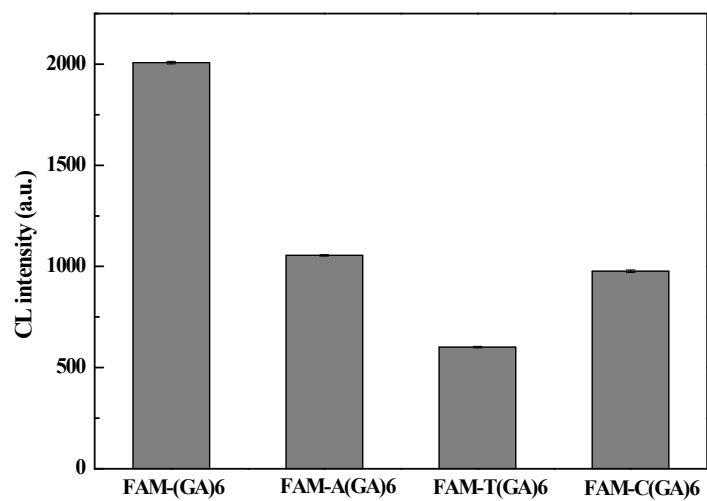
Supporting Information

**Guanine–based chemiluminescence resonance energy transfer biosensing platform for detection of uracil-DNA glycosylase activity**

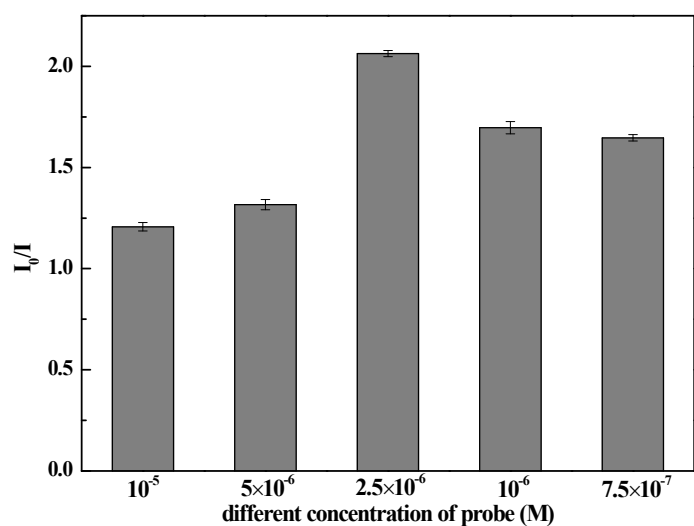
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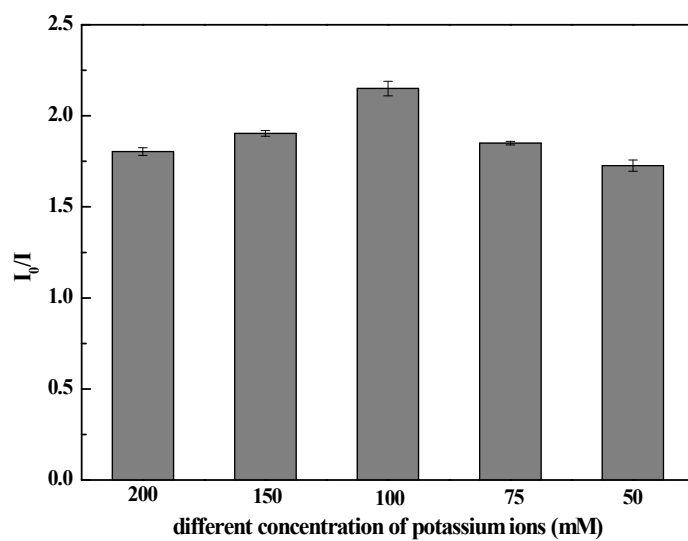
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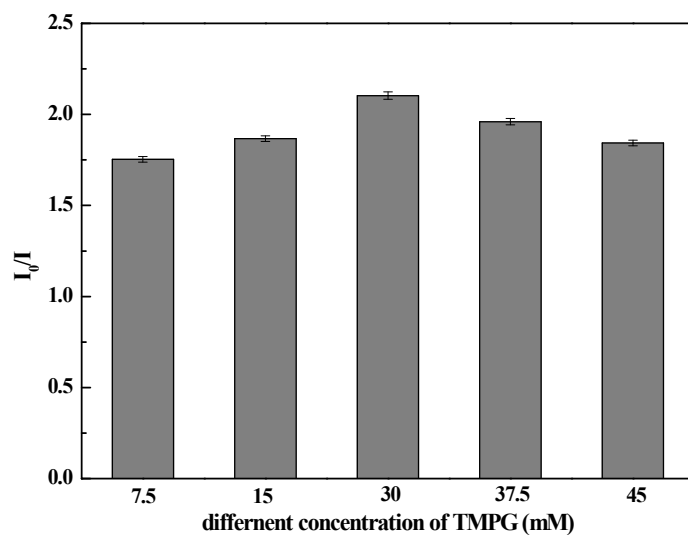
**Figure S1.** Effect of different labeling base for guanine CL sensing system.



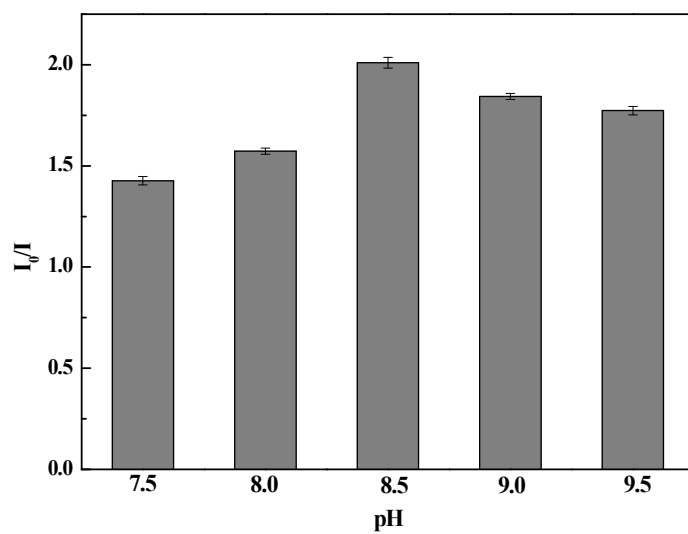
**Figure S2.** Effect of probe concentration on the CL response to UDG.



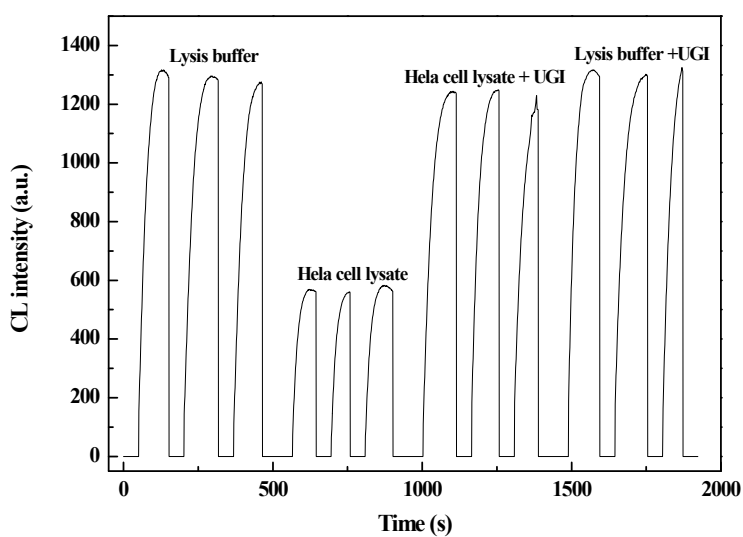
**Figure S3.** Effect of  $K^+$  concentration on the CL response to UDG.



**Figure S4.** Effect of TMPG concentration on the CL response to UDG.



**Figure S5.** Effect of media pH on the CL response to UDG.



**Figure S6.** Qualitative detection of UDG in HeLa cells with this CL method.