

Electronic Supplementary Information (ESI)

Guanine Chemiluminescent Biosensor capable of rapidly sensing mercury in a sample

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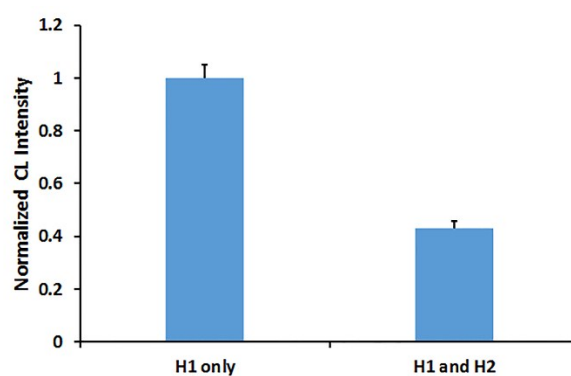


Fig. S1 Comparison of light emitted in the presence of H1 only and the mixture after the hybridization of H1 and H2 for 40 min at room temperature.

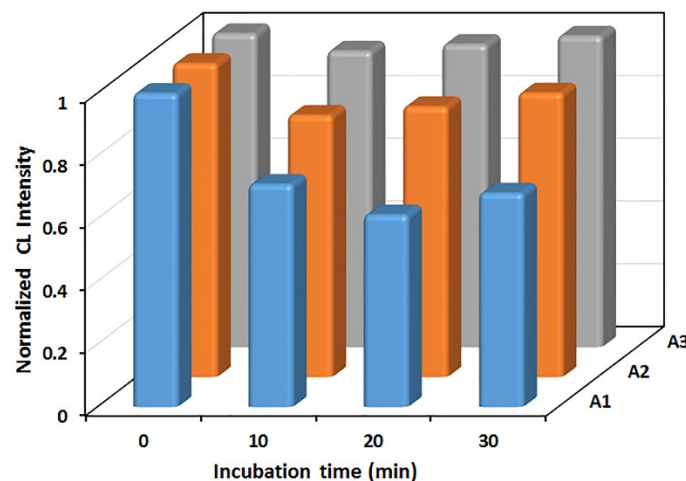


Fig. S2 Interaction between Hg^{2+} and T- Hg^{2+} -T hairpin-DNA (e.g., A1, A2, A3) under the different incubation times.

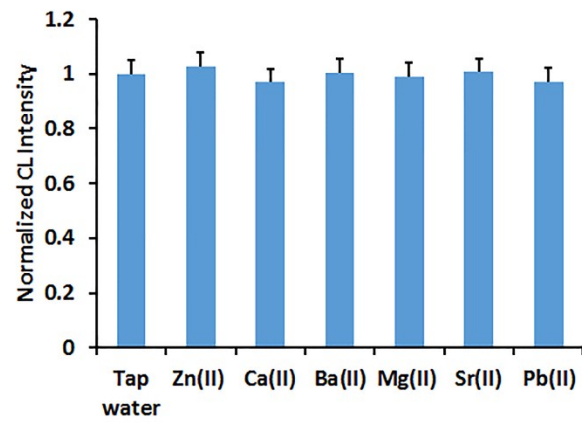


Fig. S3 No interaction between T-Hg²⁺-T hairpin-DNA (e.g., A1) and the metals (3 μ M) spiked in tap water.