Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information

Fabrication of Stable and Reversible DNA-RNA Hammerhead Ribozyme on a Solid Surface

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Supplemental Results

1. Effect of Mg^{2+} ions concentration on the cleavage activity of surface-tethered HHRz.

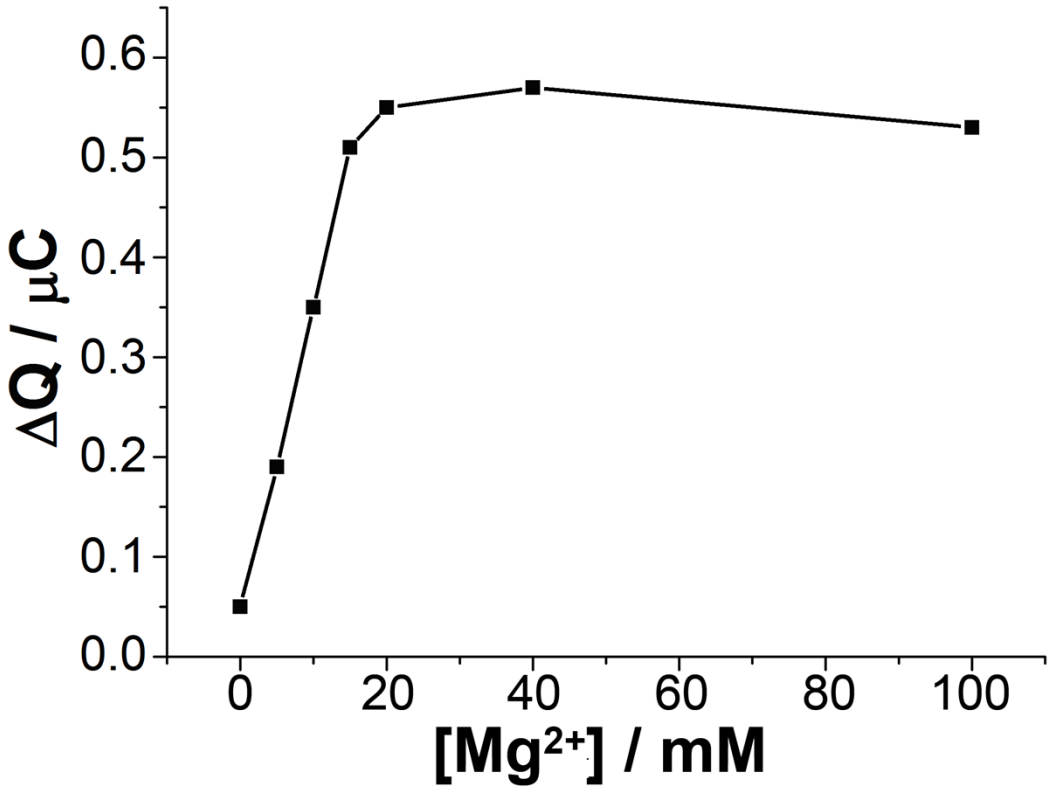

Figure S1 Effect of Mg^{2+} ions concentration on the cleavage activity of surface-tethered HHRz. ΔQ represents the charge changes caused by different concentration of Mg^{2+} ions. So, 20 mM is chosen as the optimal Mg^{2+} ions concentration for the subsequent experiments.

2. Effect of complementary strand concentration on the construction of surface-tethered HHRz.

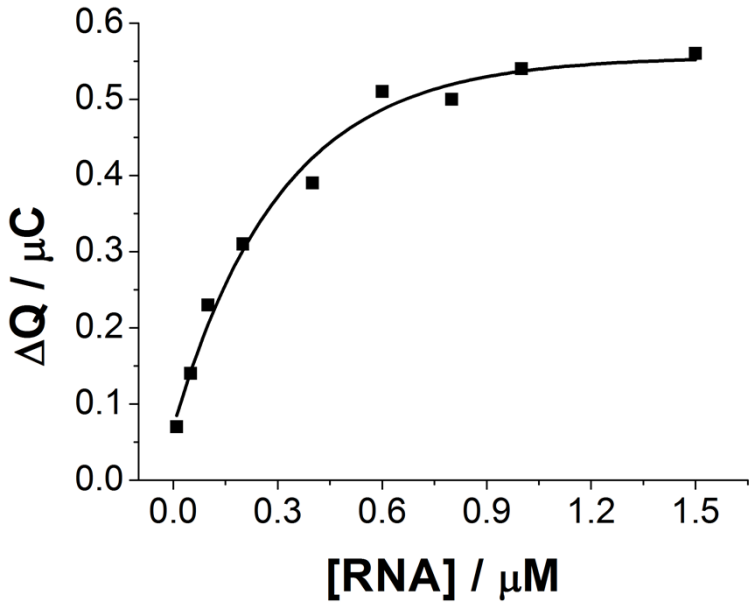

Figure S2 Effect of complementary strand concentration on the construction of surface-tethered HHRz. ΔQ represents the charge changes caused by different concentration of complementary strand. So, 1 μM is chosen as the optimal complementary strand concentration for the subsequent experiments.