

Supporting Information

Metal and pH-Dependent Aptamer Binding of Tetracyclines Enabling Highly Sensitive Fluorescence Sensing

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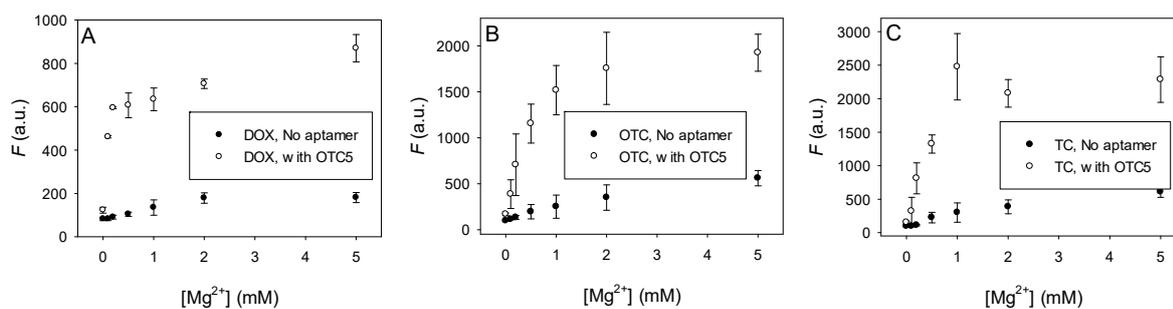


Figure S1. The fluorescence intensity of 100 nM (A) DOX, (B) OTC, and (C) TC alone and with 2 μ M of the OTC5 aptamer with increasing concentration of Mg^{2+} in 10 mM MES, pH 6.0 with 50 mM NaCl.

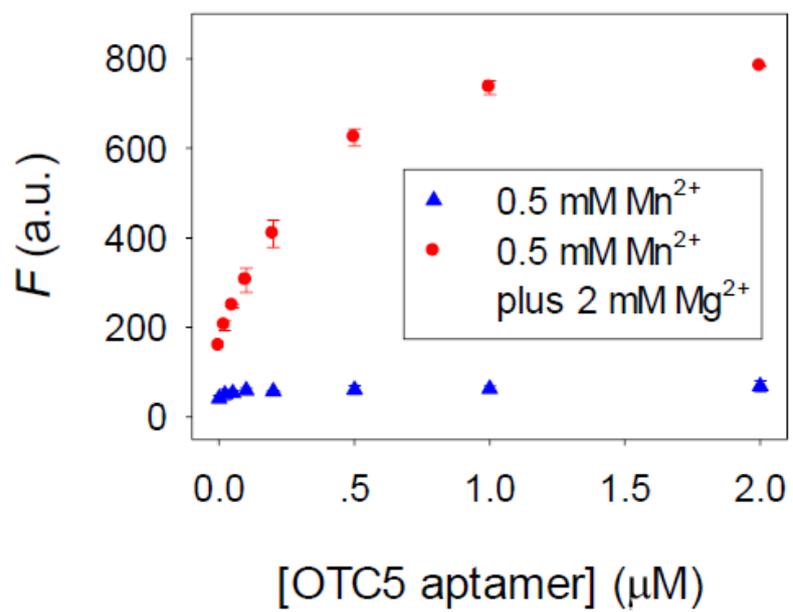


Figure S2. The fluorescence of 100 nM OTC as a function of OTC5 aptamer concentration in 0.5 mM Mn^{2+} alone and with 0.5 mM Mn^{2+} and 2 mM Mg^{2+} mixture. The buffer was 10 mM MES, pH 6.0 with 100 mM NaCl.