Enrofloxacin Rapid Detection in Aquatic Foods: based on DNA Aptamer Sensor

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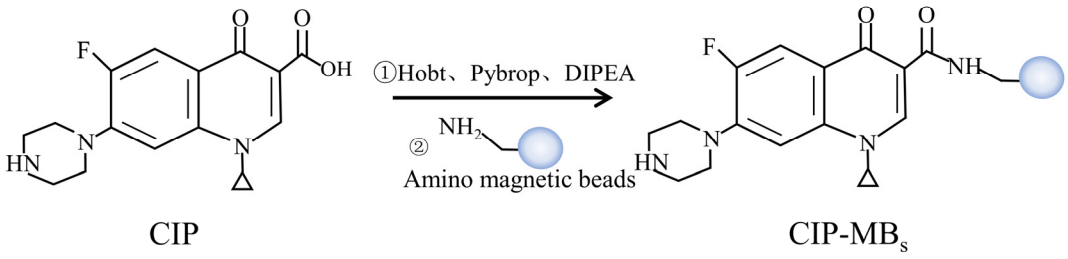

Figure.S1. Schematic diagram of CIP immobilization

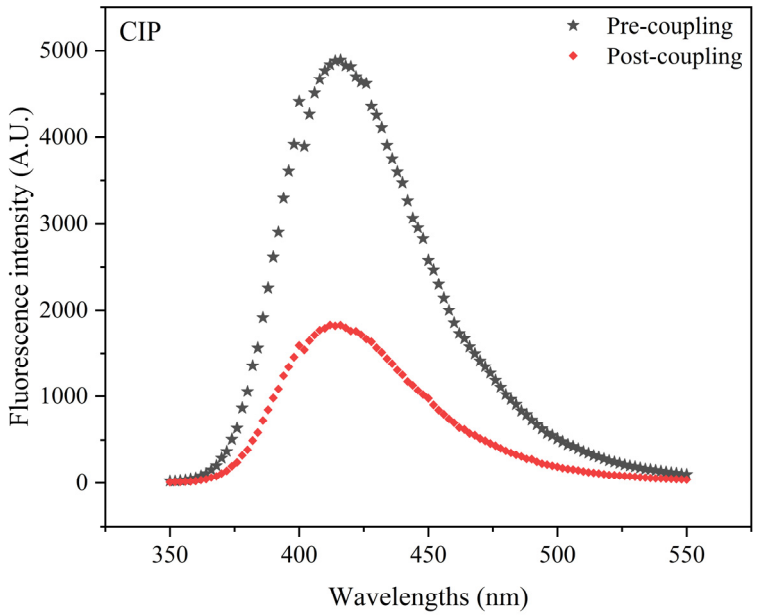

Figure.S2. CIP fluorescence intensity in solution before and after coupling

Table.S1 Candidate aptamer sequences and their characteristics

Name	Sequence（5’-3’）	enrichment ratio （%）	dG （kcal/mol）	GC （%）
ENR-Apt 1	GCGGCTGCTTACGGATAGAACCATGG AGCCAATGGAAACTTTAGTTGTGCATC TCCCATCCGTAAAGCCCAAGTC	21.2	-8.29	56
ENR-Apt 2	GCGGCTGCTTACGGATAGAACGAGGT ACATGGATGTTAAGCTTACCCGCGGTT GCCCATCCGTAAAGCCCAAGTC	8.62	-8.84	60
ENR-Apt 3	GCGGCTGCTTACGGATAGAAGACGGA TCCGTCGGATATGTCGTACGAAGCAGG TGCCATCCGTAAAGCCCAAGTC	2.74	-10.92	60
ENR-Apt 4	GCGGCTGCTTACGGATAGAACCACGT ATGTTAACTTGAGGTTAGGCATCGGTC CCCCATCCGTAAAGCCCAAGTC	2.47	-8.14	60
ENR-Apt 5	GCGGCTGCTTACGGATAGAAGCGGGA TCTAGTCAAAGCGGAACGGGATCAAC GAACCATCCGTAAAGCCCAAGTC	1.44	-10.01	64
ENR-Apt 6	GCGGCTGCTTACGGATAGAAGGCGGA TGGAGAAATGAACCGGGGTGGTCCGT TGTCCATCCGTAAAGCCCAAGTC	0.69	-11.15	64

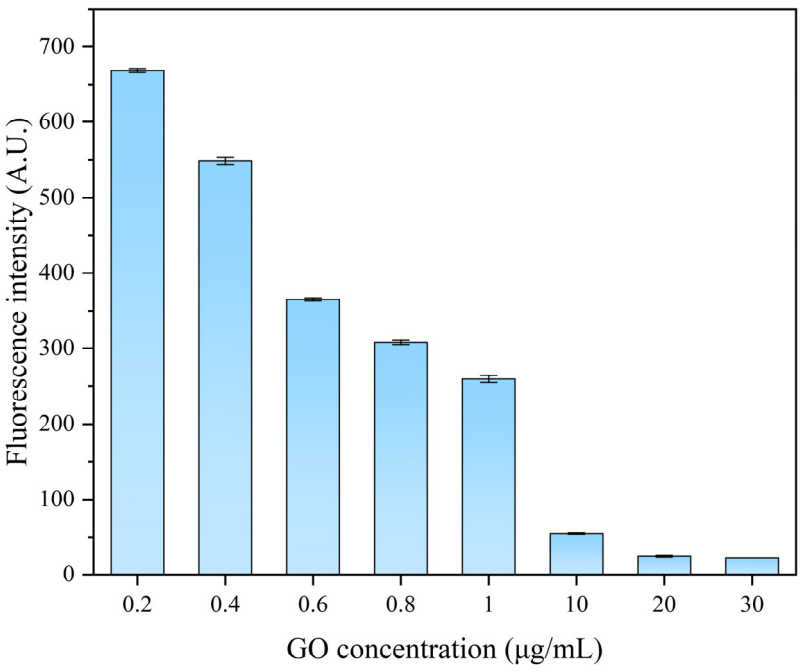

Figure.S3. Effect of fluorescence intensity on GO concentration

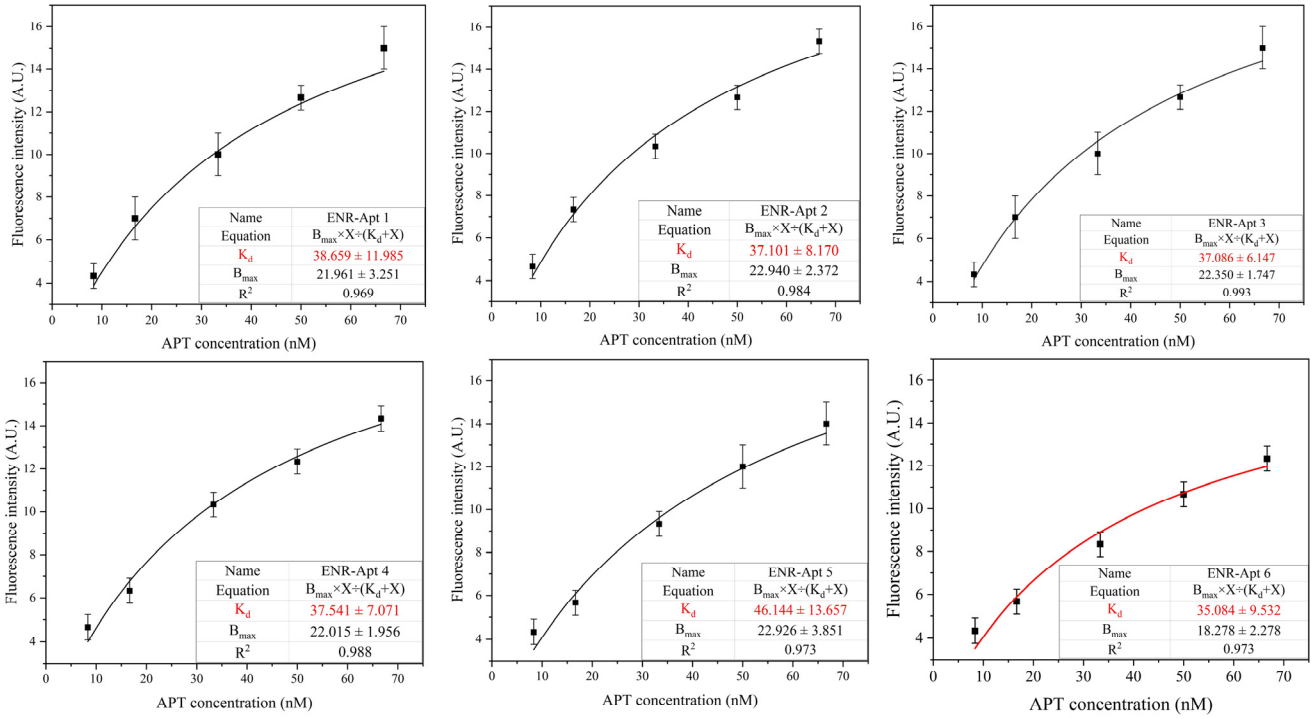

Figure.S4. Six candidate adaptors nonlinear fitting curves