

Table S1. Synthetic aptamer of cTnI and DNA sequences used in this study.

Name	Sequences(5'-3')
DNA1	AAAC <u>CGTGCAGTACGCCAACCTTTCTCATGCGCTGCCCCTCTTA</u>
DNA2	<u>GTACTGCACG</u>
H1	<u>CGTGCAGTACCCTCAGCGTACTAACAA</u>
H2	SH- AAAAAAAAACCTCAAGTAC <b>GCTGAGG</b> AAAAAAAAAAAAAAAAAAAA
H2	Bio- AAAAAAAAACCTCAAGTAC <b>GCTGAGG</b> AAAAAAAAAAAAAAAAAAAA

Explanation: The curved segment represents the complementary base sequence, while the bold italicized text denotes the cTnI adapter sequence. The bold text signifies the complementary portions of H1 and H2. Two distinct variants of modified H2 with diverse functional groups have been devised, both designated as H2 due to their identical sequences. These will be employed for subsequent modifications of two enzymes.