

## Supplementary Information

### Target induced duplex-triplex transition for ratiometric detection of adenosine triphosphate

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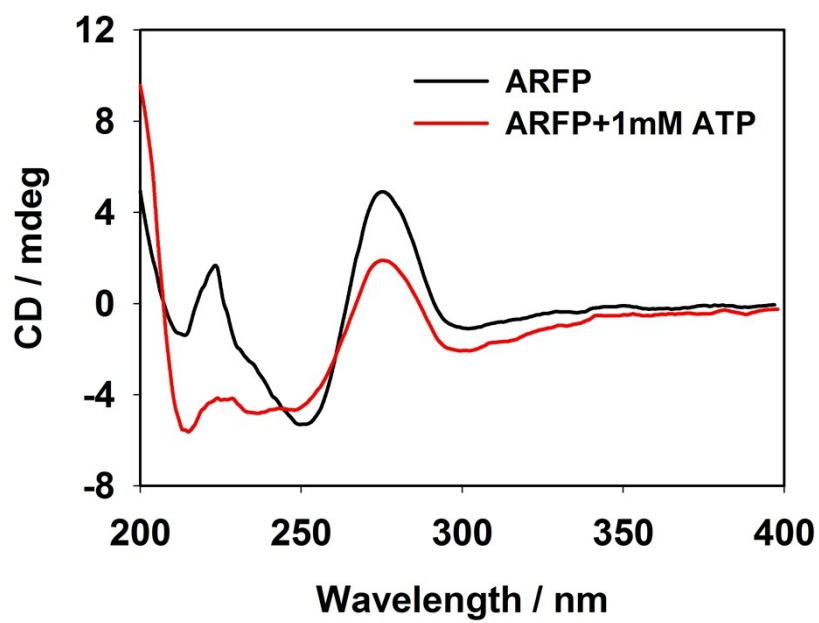
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**Table S1.** Oligonucleotide sequences used in this work

Name	Sequence (from 5 to 3)
AS	<i>FAM-GAG<b>ACCTGGGGGAGTATTGCGGAGGAAGGT</b></i>
MS	<i>CTCTCTCTACCT<u>GGGAGAG</u>-TAMRA</i>
CS	<i>CCA<u>ACTCTCTCT</u>TAAACCCAGG<u>TCTCTCT</u>-BHQ<sub>2</sub></i>

The boldface type is the aptamer sequence; the underlined sequences indicate the bases that form a triplex; the italic represents the fluorophores or quenchers.



**Fig. S1** CD spectra of ARFP (black curve) and in the presence of 1 mM ATP (red curve). The concentration of ARFP was 200 nM.