**Table S1.** Nucleotide sequences of the prepared ATP, EST and OTC aptamers

|  |  |  |
| --- | --- | --- |
| Name | Sequence (5ʹ to 3ʹ) | Reference |
| ATP aptamer | ACCTGGGGGAGTATTGCGGAGGAAGGT | ([Huo et al., 2016](#_ENREF_2)) |
| EST aptamer | GCTTCCAGCTTATTGAATTACACGCAGAGGGTAGCGGCTCTGCGCATTCAATTGCTGCGCGCTGAAGCGCGGAAGC | ([Dong Huy et al., 2011](#_ENREF_1)) |
| OTC aptamer | CGTACGGAATTCGCTAGCGGGCGGGGGTGCTGGGGGAATGGAGTGCTGCGTGCTGCGGGGATCCGAGCTCCACGTG | ([Niazi et al., 2008](#_ENREF_3)) |

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