

## **Supporting Information**

### Development of a Fraction collection Approach in Capillary Electrophoresis SELEX for Apatmer Selection

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Table S1. Sequences and Affinities of DNA used in this study

Name	Sequence
Library	AGCAGCACAGAGGTCAGATG(N40) CCTATGCGTGCTACCGTGAA
Forward primer	AGCAGCACAGAGGTCAGATG
Reverse primer	TTCACGGTAGCACGCATAGG
*FAM-FP	FAM-AGCAGCACAGAGGTCAGATG
RP-polyA <sup>#</sup>	A <sub>20</sub> -linker-TTCACGGTAGCACGCATAGG

\*FAM: 6-carboxyfluorescein

# Linker is hexaethylene glycol; A<sub>20</sub> is 20-nucleotides length of a string of adenosine.

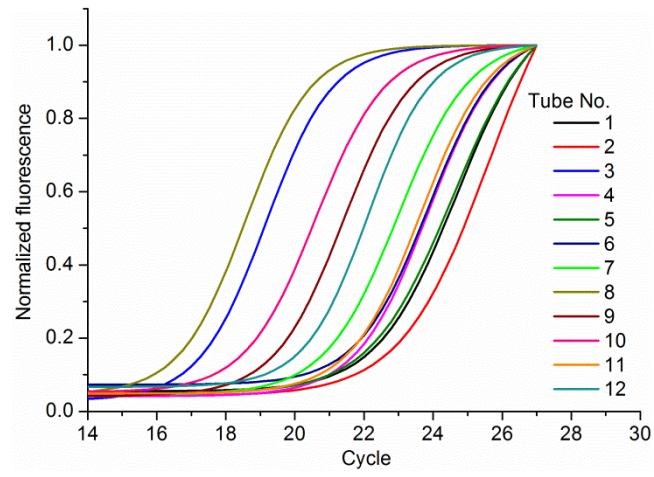
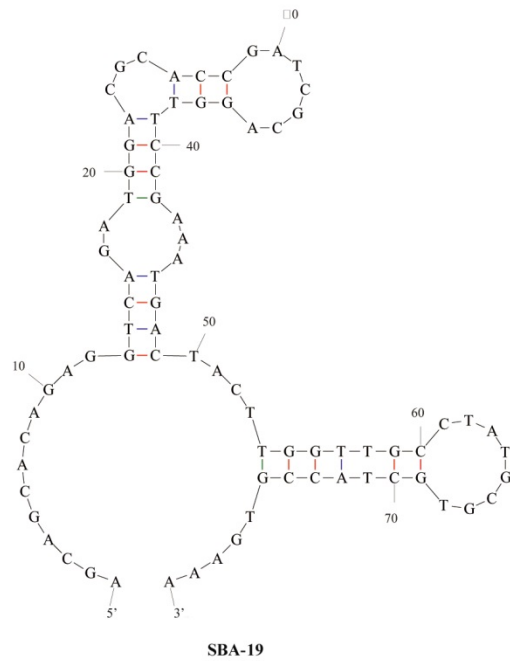
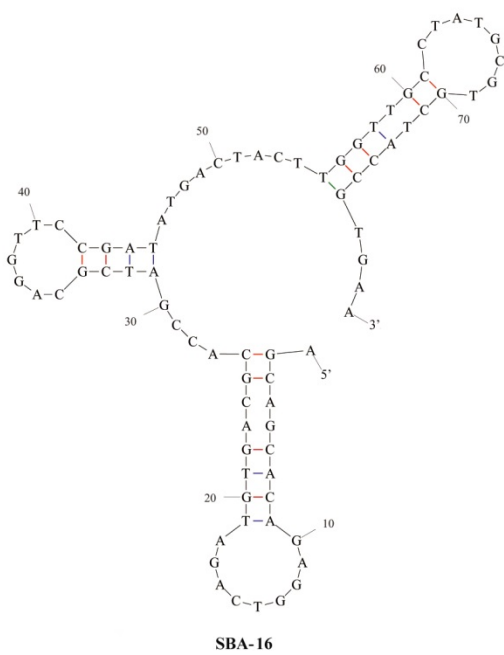
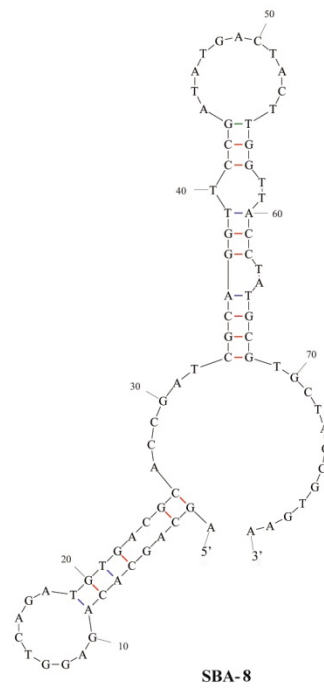
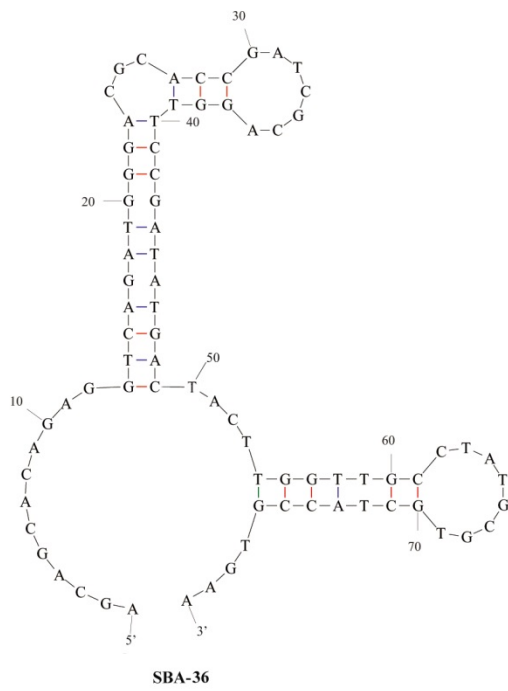


Fig.S1. Amplification curves of real-time PCR for every fraction collection apatmer.



**Figure S2.** The predicted secondary structures of SA aptamers