

Table S2. Oligonucleotide and primer sequences used for engineering and cloning of the modified aptamer expression cassettes, RNA FISH, and qRT-PCR.

Name	Sequence
PT7_20ggg	GCATAATACGACTCACTATAGGG
Oligo1 ^{a,b}	GCATAATACGACTCACTATAGGG GCTAGCG GATTAAACAAG
Oligo2a	GCGTTTCGTCGCATCCCAGCGACTCATCAGCTTGTTAATCCGCTAGCCC
Oligo2b	GCGTTTCGTCGCATCCCAGCGACTCATTTCCCTTGTTAATCCGCTAGCCC
Oligo3 ^b	GCTGGGATGCGACGAAACGCCTTCGGGCGTCCTTGATCT GAATTC CCTACGAACCC
Oligo4 ^b	GACAG GGATCC GTTTTCCAGTGTTCCTTTATCTCCTGGGTTTCGTAGGG GAATTC AG
Oligo5 ^b	GGAAAACACTGGAAAAC GGATCC TGTCACGGATTGTGCTTATCCGT
Oligo6a ^b	GGAG GGCGCCGCT GTTTCGTCTCACGGACTCATCAGACGGATAAGCACAATCCGTGAC
Oligo6b ^b	GGAG GGCGCCGCT GTTTCGTCTCACGGACTCATTTACGGATAAGCACAATCCGTGAC
Reverse ^a	TTTTATTAGGAAAGGACAGTGGGAGGCGCCGCTGTTTCGTCTCTC
Cy3-70N	/5Cy3/CCCTTTTCGCTTAGTATGTGTTCT
Cy3-U6	/5Cy3/CACGAATTTGCGTGCATCCTTGCGCAGGGCC
Cy3-7SL	/5Cy3/CCGGGAGGTCACCATATTGATGCCGAACCTAGTGCG
GAPDH-F	AGAAGGCTGGGGCTCATTG
GAPDH-R	AGGGGCCATCCACAGTCTTC
GAPDH-F	GGTGAAGGTCGGAGTCAACG
GAPDH-R	GTTGAGGTCAATGAAGGGGTC
U6-F	CGCTTCGGCAGCACATATAC
U6-R	TTCACGAATTTGCGTGCAT
18S-F	CAGCCACCCGAGATTGAGCA
18S-R	TAGTAGCGACGGGCGGTGTG
HIV Gag-F	TGCTATGTCAGTTCCCCTTGTTCTCT
HIV Gag-R	AGTTGGAGGACATCAAGCAGCCATGCAAAT
70NECO-F ^{a, b}	ATCTAG GAATTC GGGAAAAGCGAATC
70NBAM-R ^{a, b}	CTAGAT GGATCC TATGGAATTAAATA
80NECO-F ^{a, b}	ATCTAG GAATTC GGGCATAAGGTATT
80NBAM-R ^{a, b}	ACAGCG GGATCC CAGGTTGAGCTA
70N-F	GGGAAAAGCGAATCATACACAAGA
70N-R	TATGGAATTAATACTTATGCCC
80N-F	GGGCATAAGGTATTTAATTCCATA
80N-R	CAGGTTGAGCTACCGGAGCATCCG
^a Primers used for amplification of inserts for cloning into aptamer expression cassettes	
^b Restriction enzyme sites are denoted with bolding	