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Reverse Transcription Strand Invasion Based Amplification (RT-SIBA): A Method for Rapid Detection of Influenza A and B

Supplementary data

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Table S1 – Invasion oligonucleotides (IO) used for optimisation of SIBA influenza A assay

SIBA Influenza A IO	Sequence
0	CCGAATTCTTTTGGTCGCTGTCTGGCTGTCAmGmUmAmAmGmUmAmUmGmC
poly 2C	CC CCGAATTCTTTTGGTCGCTGTCTGGCTGTCAmGmUmAmAmGmUmAmUmGmC
poly 6C	CCCCCC CCGAATTCTTTTGGTCGCTGTCTGGCTGTCAmGmUmAmAmGmUmAmUmGmC
poly 10C*	CCCCCCCCCC CCGAATTCTTTTGGTCGCTGTCTGGCTGTCAmGmUmAmAmGmUmAmUmGmC
poly 14C	CCCCCCCCCCCCCC CCGAATTCTTTTGGTCGCTGTCTGGCTGTCAmGmUmAmAmGmUmAmUmGmC
poly 17C	CCCCCCCCCCCCCC CCGAATTCTTTTGGTCGCTGTCTGGCTGTCAmGmUmAmAmGmUmA
polyT	TTTTTTTTTTT CCGAATTCTTTTGGTCGCTGTCTGGCTGTCAmGmUmAmAmGmUmAmUmGmC
polyA	AAAAAAAAA CCGAATTCTTTTGGTCGCTGTCTGGCTGTCAmGmUmAmAmGmUmAmUmGmC
polyG	GGGGGGGGG CCGAATTCTTTTGGTCGCTGTCTGGCTGTCAmGmUmAmAmGmUmAmUmGmC
pyrimidine	TCTCTCTC CCGAATTCTTTTGGTCGCTGTCTGGCTGTCAmGmUmAmAmGmUmAmUmGmC
purine	AGAGAGAGAG CCGAATTCTTTTGGTCGCTGTCTGGCTGTCAmGmUmAmAmGmUmAmUmGmC
mixed	CTAGATCTGA CCGAATTCTTTTGGTCGCTGTCTGGCTGTCAmGmUmAmAmGmUmAmUmGmC

In invasion oligonucleotides bold sequences denote non-homologous seeding area sequence. *mA*, *mC*, *mG* and *mU* denote 2'-O-methyl RNA nucleotides. *poly 10C was used for subsequent SIBA influenza A experiments