

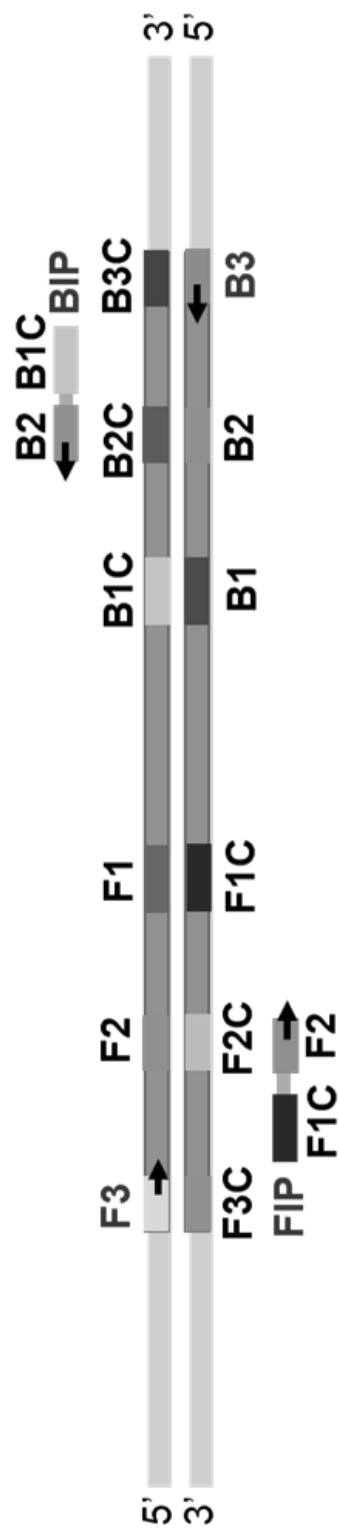


FIG. 1

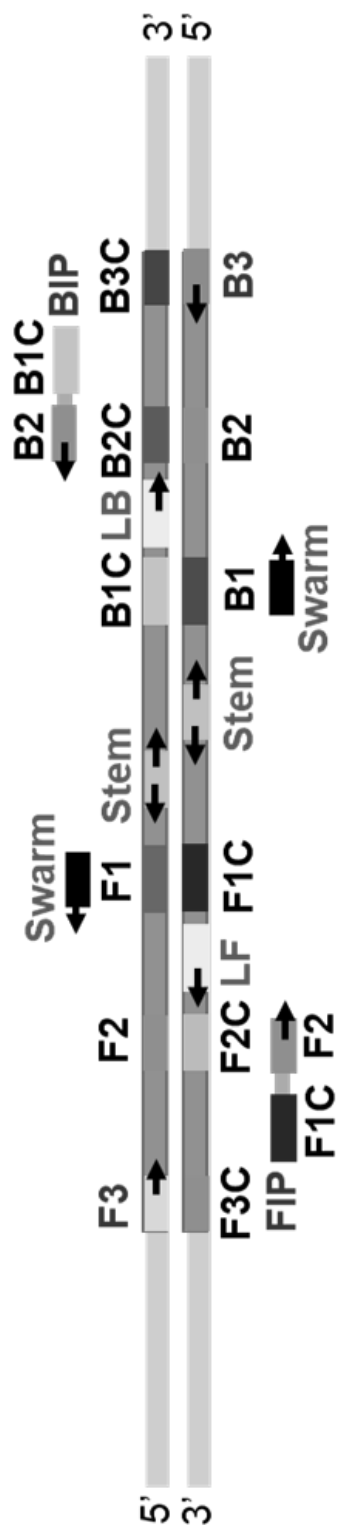


FIG. 2

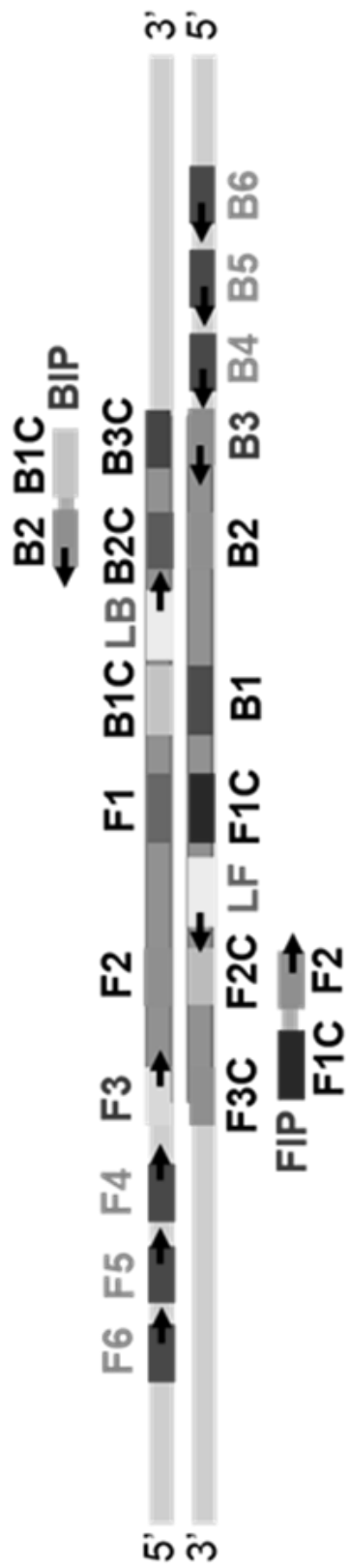


FIG. 3

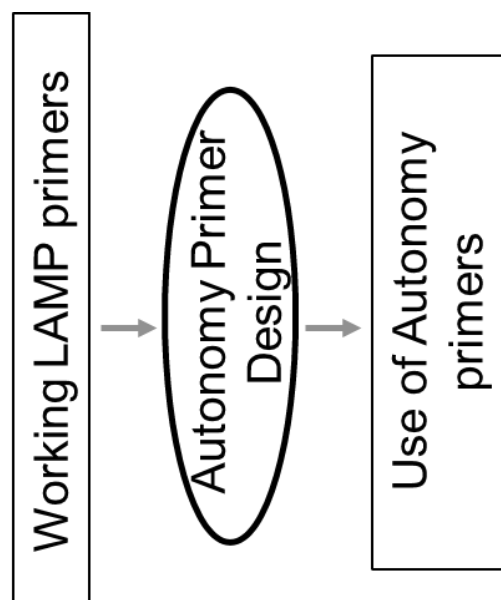


FIG. 4

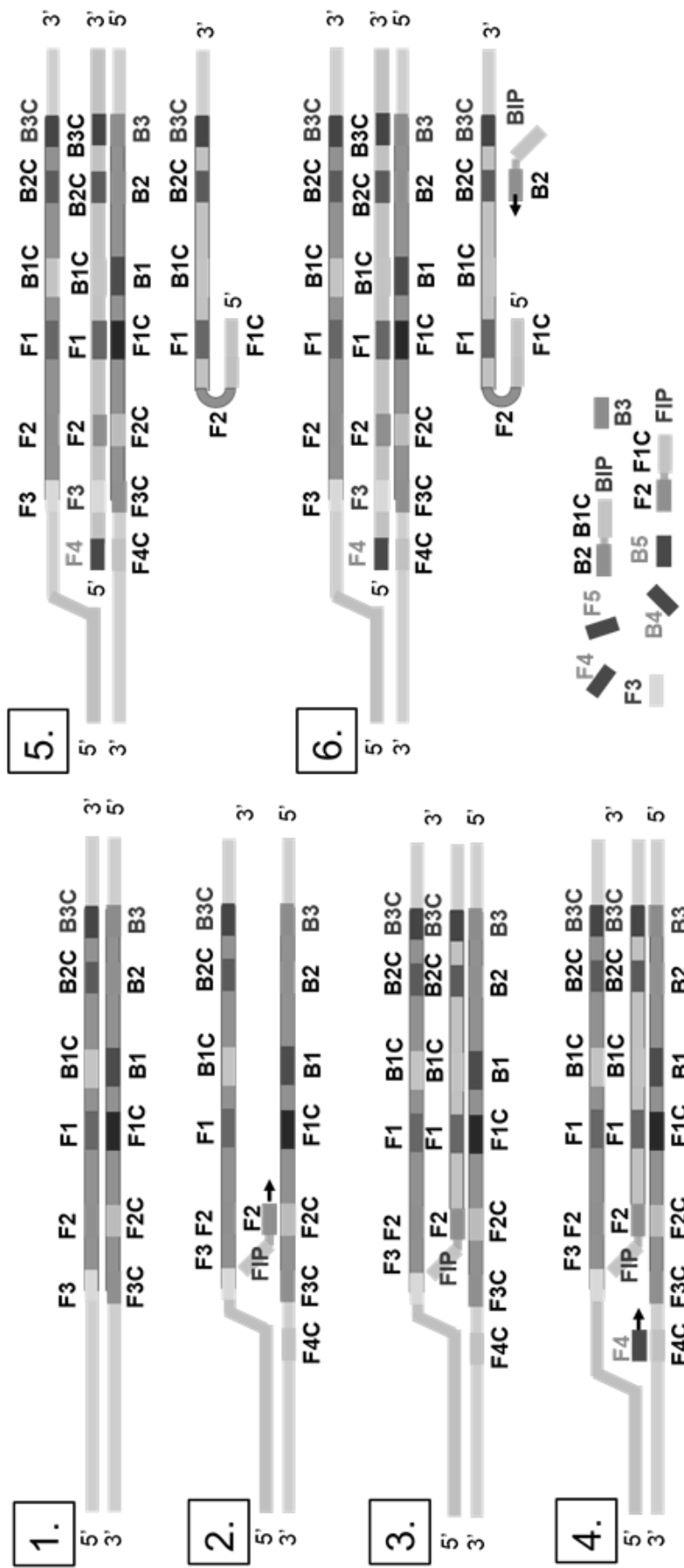


FIG. 5A

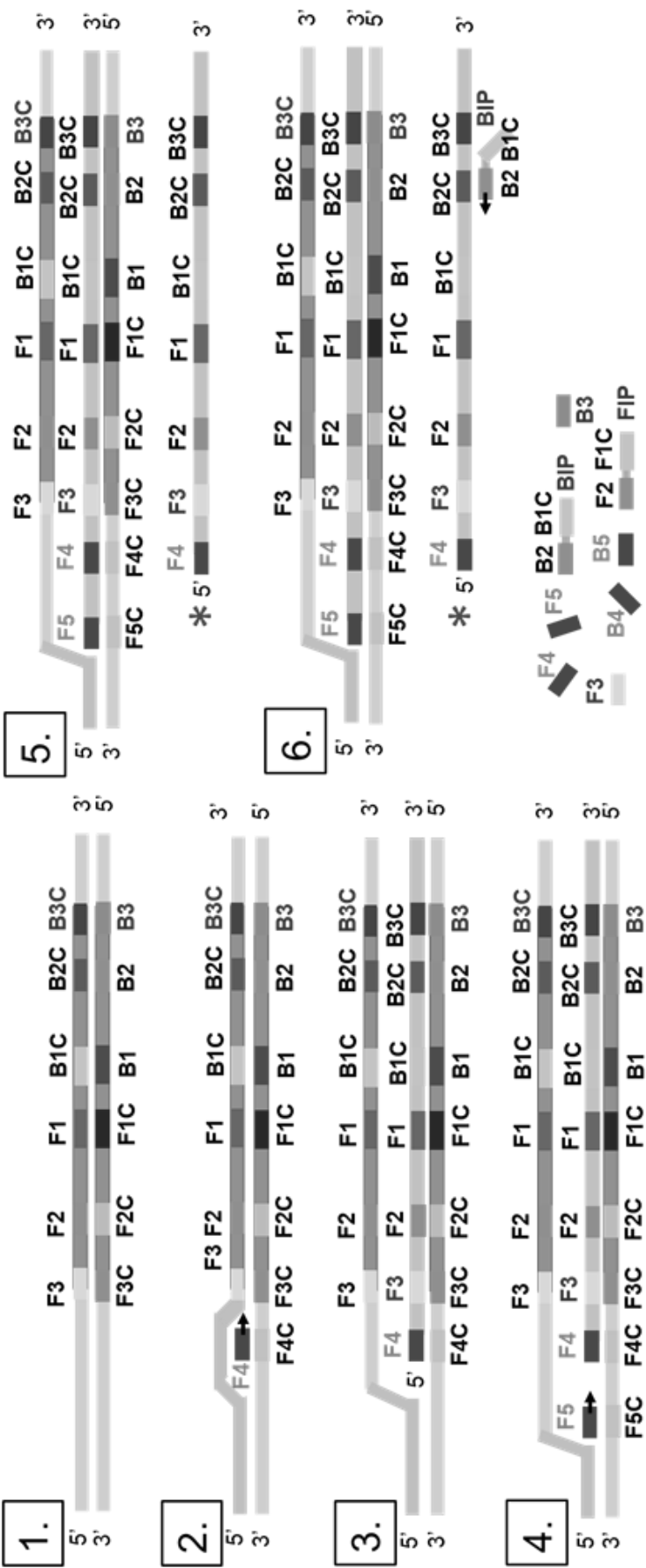


FIG. 5B

```

321 TTCCTCAGAA AGCAACTGTC CGAATACAG TTGGATTGAT TACCCTTCAA CCCAGGGAG GTGCCTTGAT GACATAGAAG 400
*****
401 AAGAACCAGA TGATGTTGAT GGCCCAACTG AAATAGTATT AAGACACATG AACAAACAGAG ATGCAAGGCA AAAGATAAAG 480
*****
481 GAGGAAGTAA AACTCAGAA AGAAGGGAAG TTCCGTTTGA CAATAAGAAG GGATATGCGT AATGTATTGT CCCTGAGAGT 560
*****
561 GTTAGTAAC GGAACATTCC TCAAACACCC CAATGGATAC AAGTCCTTAT CAACTCTACA TAGATTGAAT GCATATGACC 640
*****
641 AGAGTGAAG GCTTGTGCT AACTTGTG CTACTGATGA TCTTACAGTG GAGGATGAAG AAGATGGCCA TCGGATCCTC 720
*****
721 AATTCACTCT TCGAGCGTCT TAATGAAGGA CATTCAAAGC CAATTGAGC ABCTGAAACT GCGGTGGGAG TCTTATCCCA 800
*****
801 ATTTGGTCAA GAGCACCGAC TATCACCAGA AGAGGGAGAC AATTAGACTG GTCACGGAAG AACTTTATCT TTTAAGTAAA 880
*****
881 AGAATTGATG ATACATATT GTTCCACAAA ACAGTGATAG CTAACAGCTC CATAATAGCT GACATGGTTG TATCATTATC 960
*****
961 ATTATTAGAA ACATTGTATG AAATGAAGGA TGTGGTTGAA GTGTACAGCA GGCAGTGCTT GTGA 1024
*****

```

F5

F4

B4

B5

FIG. 6A

Label	5'pos	3'pos	Length	Tm	GC%	Sequence
F5	446	464	19	57.31	0.42	ACATGAACAACAGAGATGC
F4	480	499	20	57.98	0.45	GGAGGAAGTAAACACTCAGA
F3	511	531	21	57.89	0.38	TTCCGTTTGACAATAAGAAGG
B3	707	724	18	58.67	0.5	AATTGAGGATCCGATGGC
B4	727	746	20	58.90	0.45	TCATTAAGACGCTCGAAGAG
B5	754	771	19	59.08	0.44	TGCTCGAATTGGCTTTGA

FIG. 6B

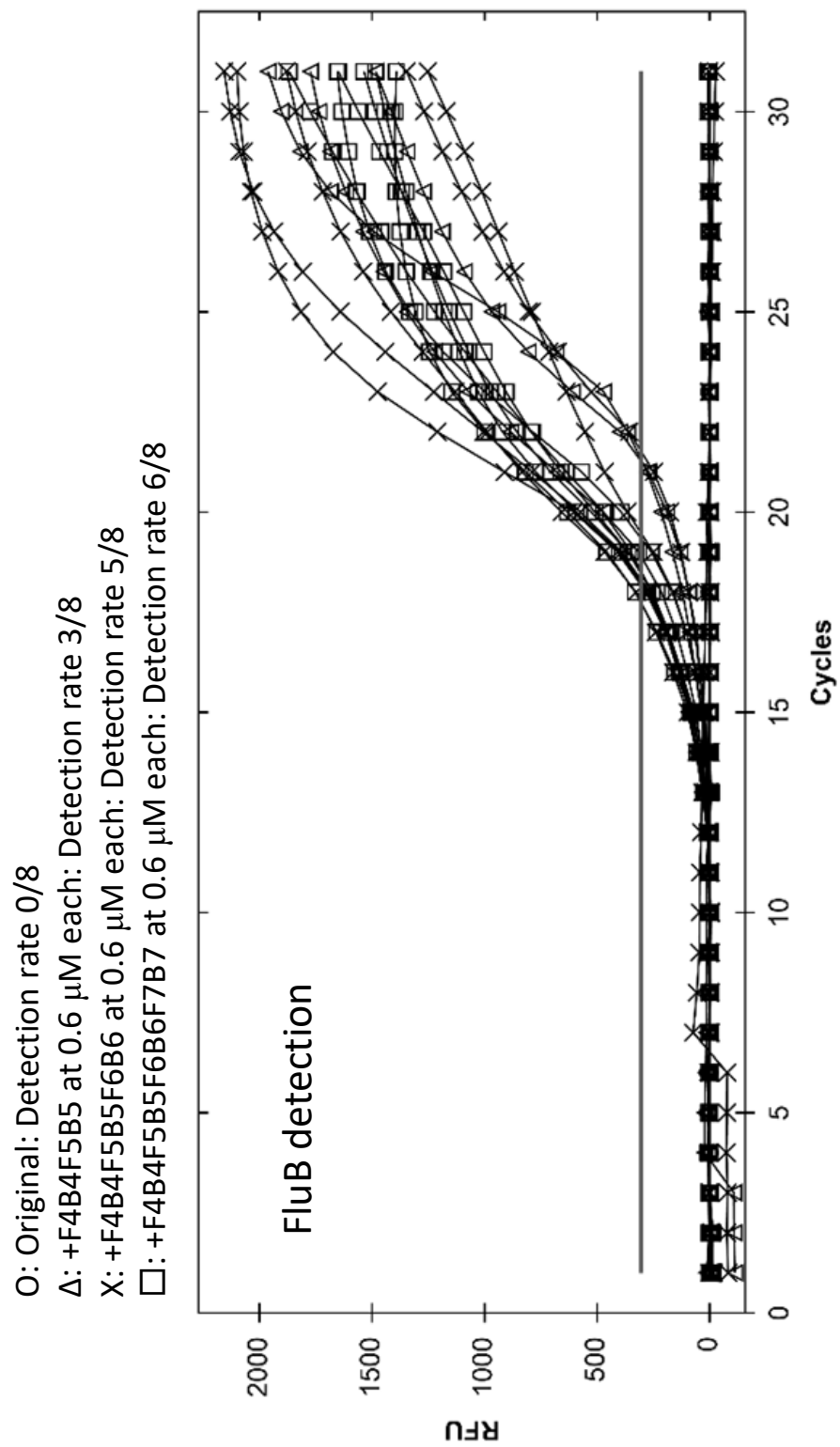


FIG. 7A

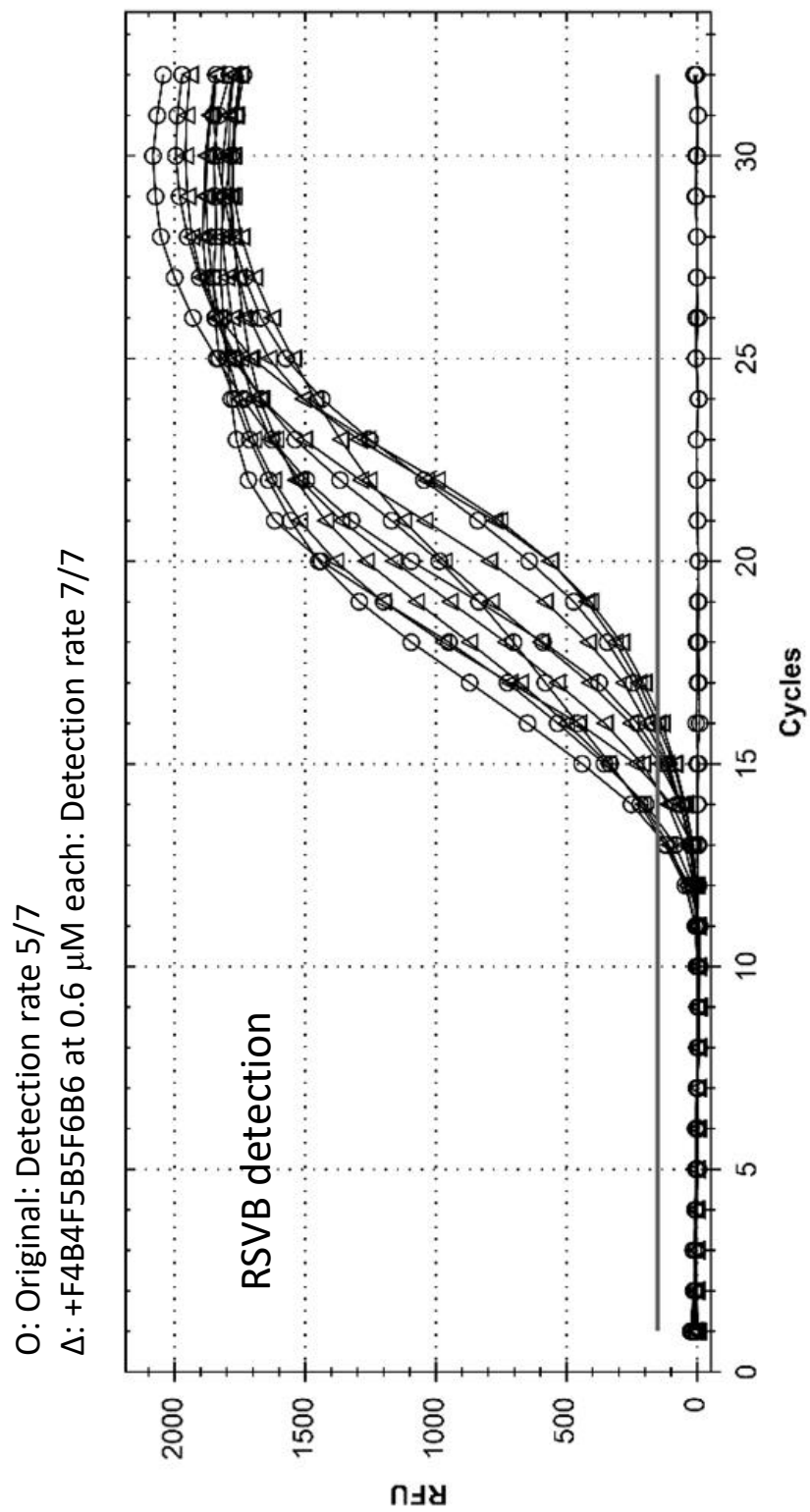


FIG. 7B

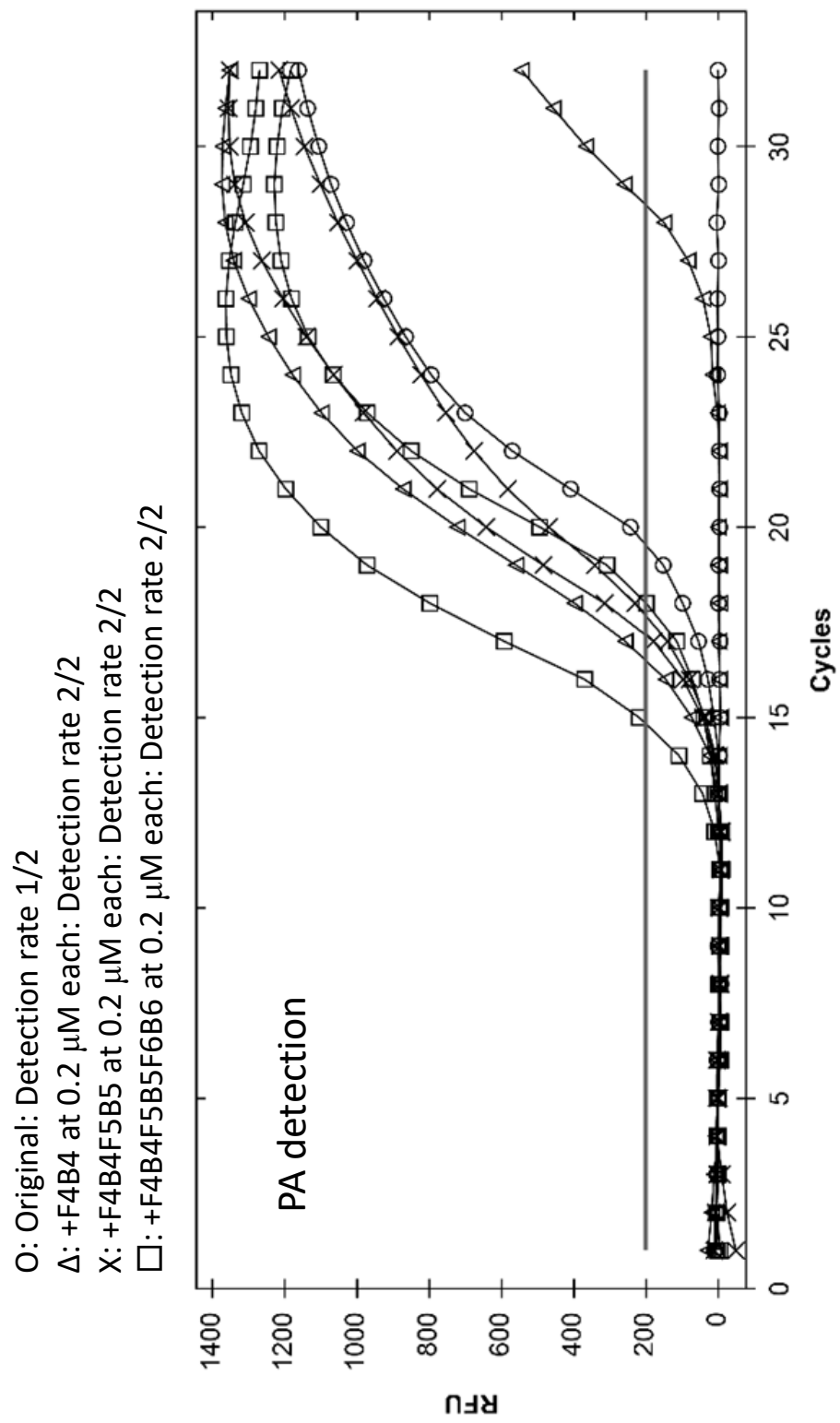


FIG. 7C

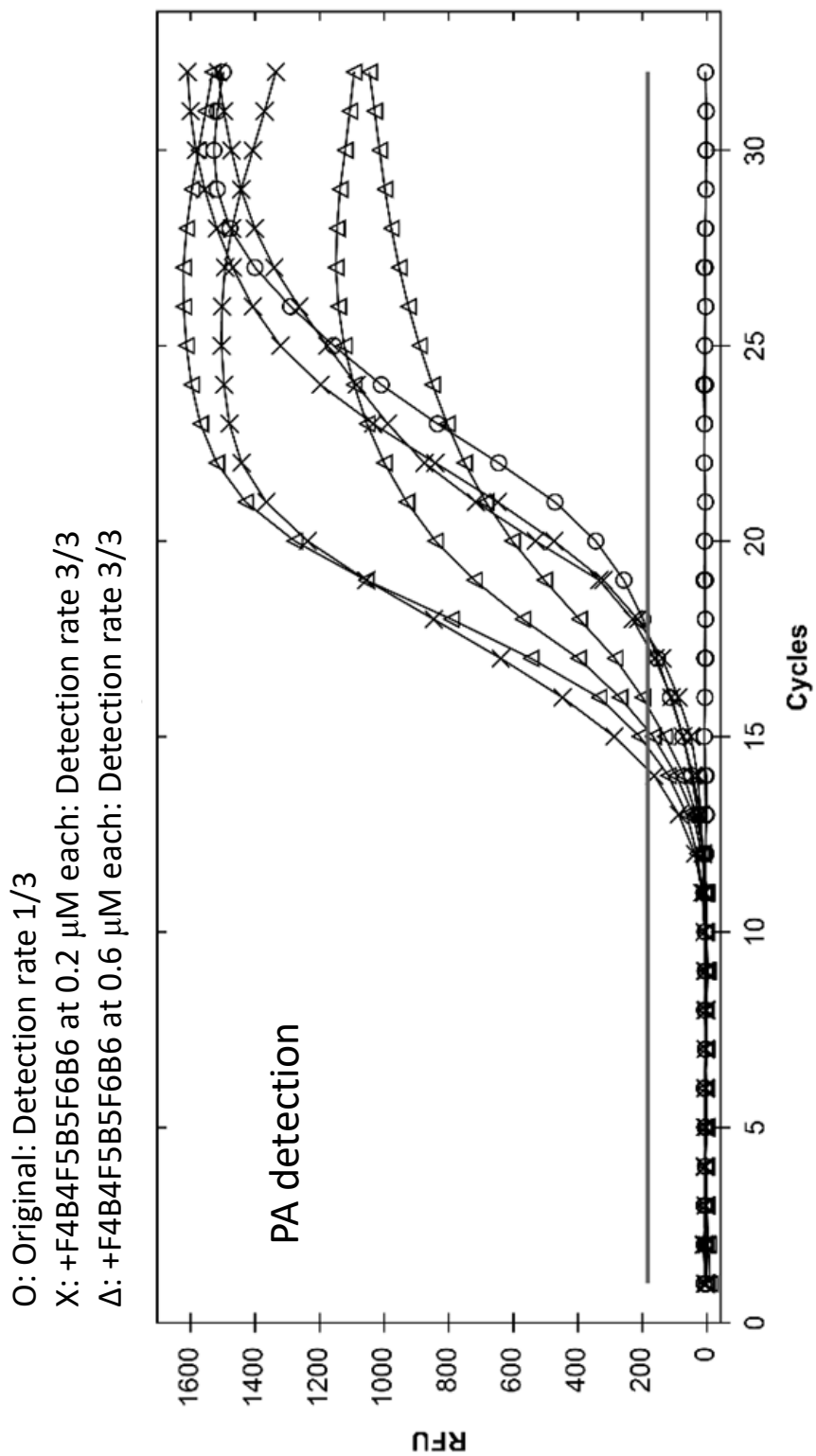


FIG. 7D

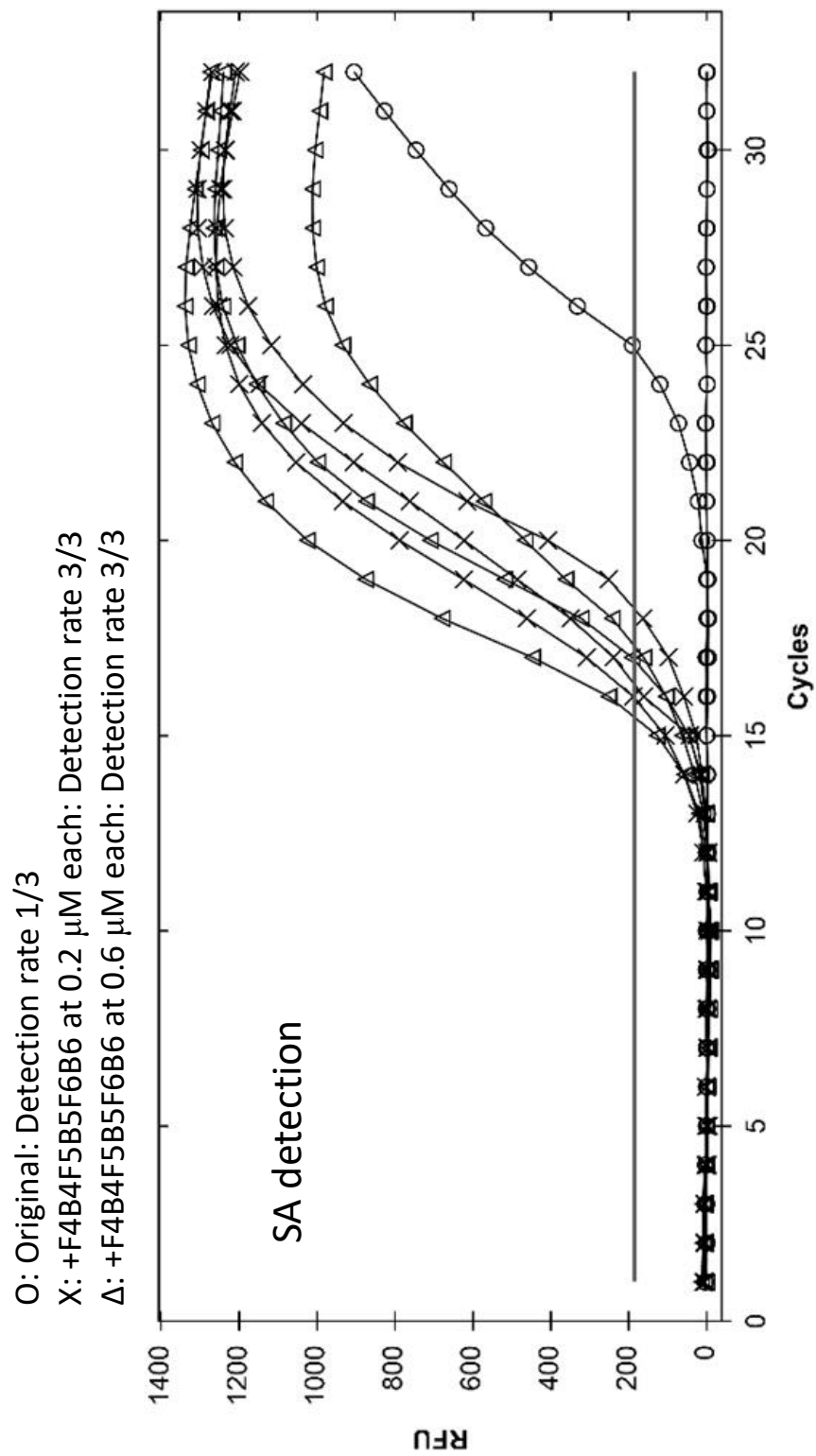


FIG. 7E

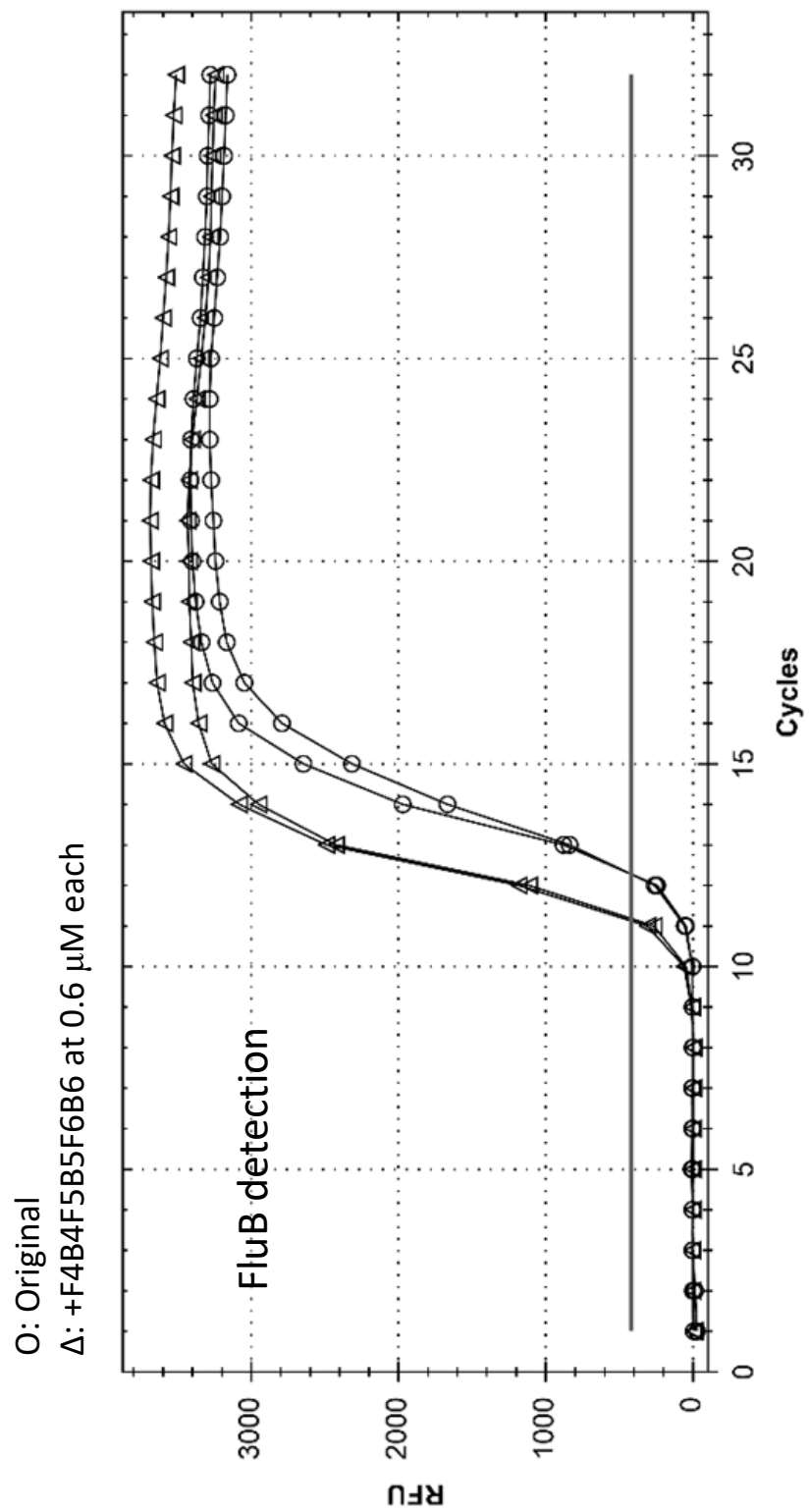


FIG. 8A

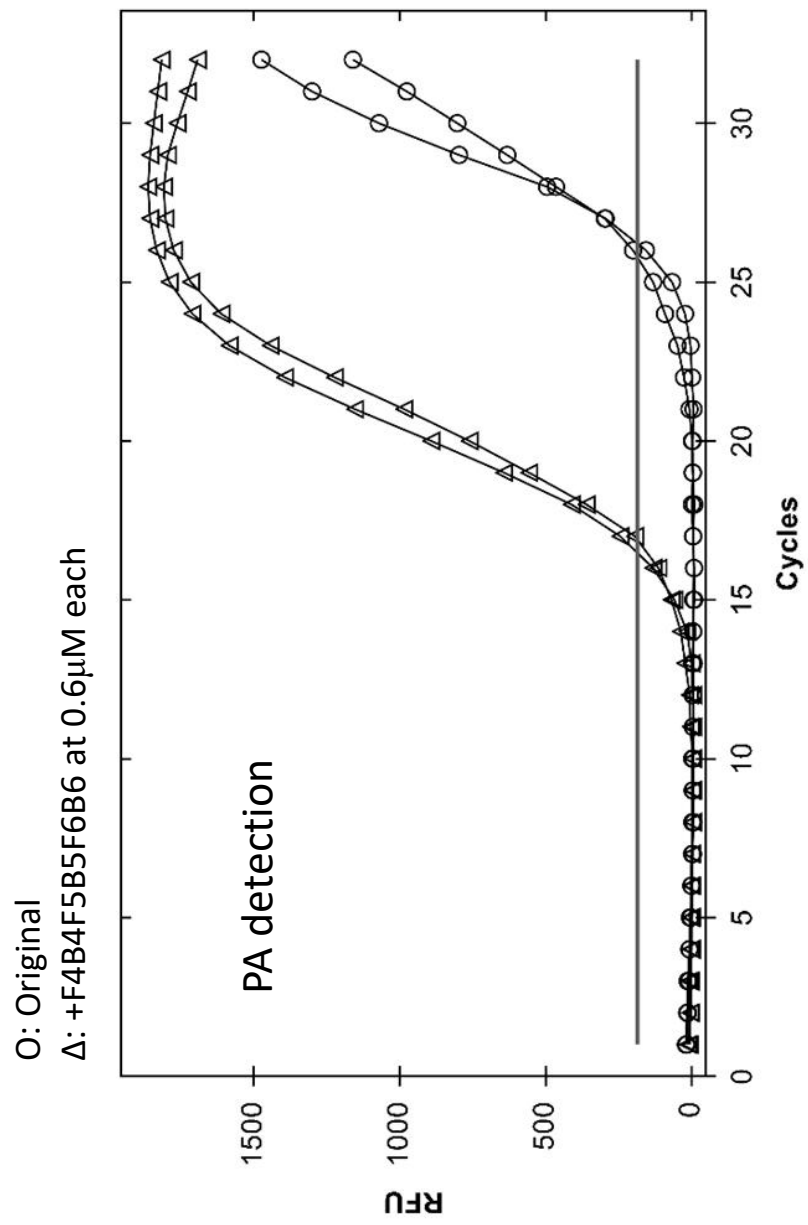


FIG. 8B

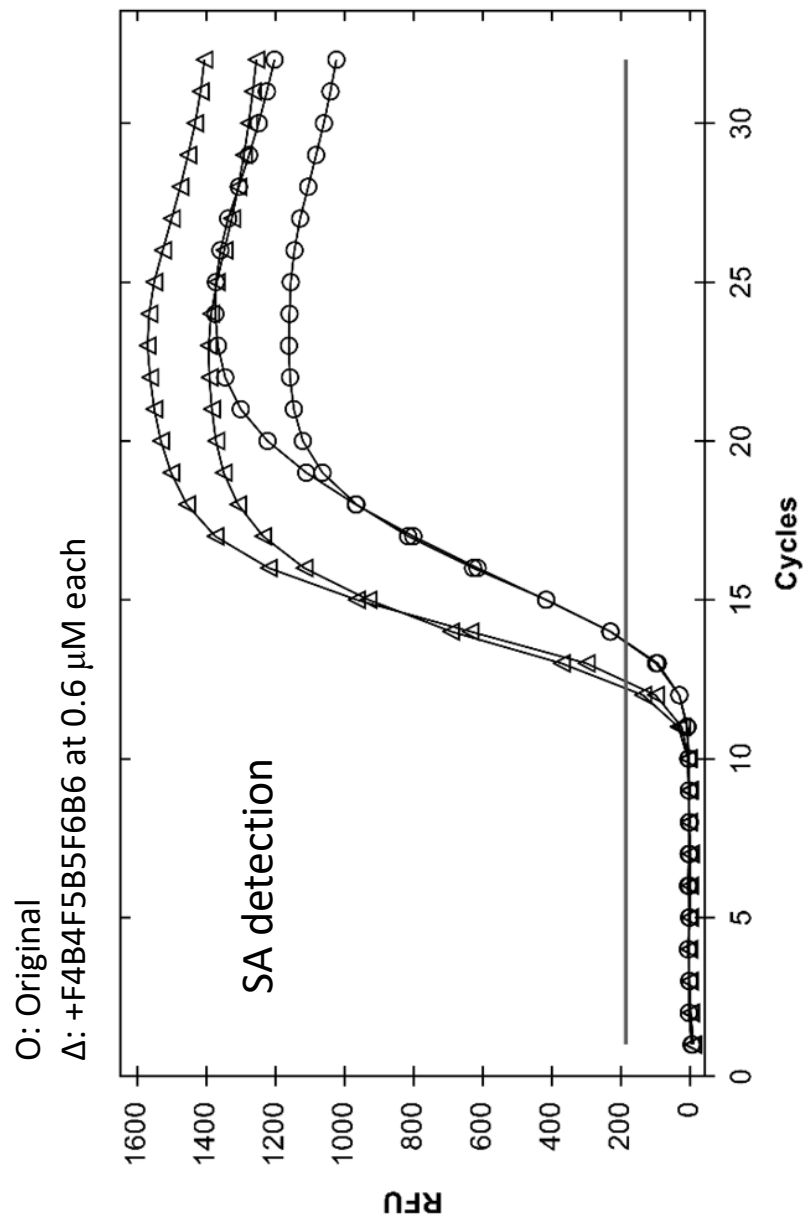


FIG. 8C

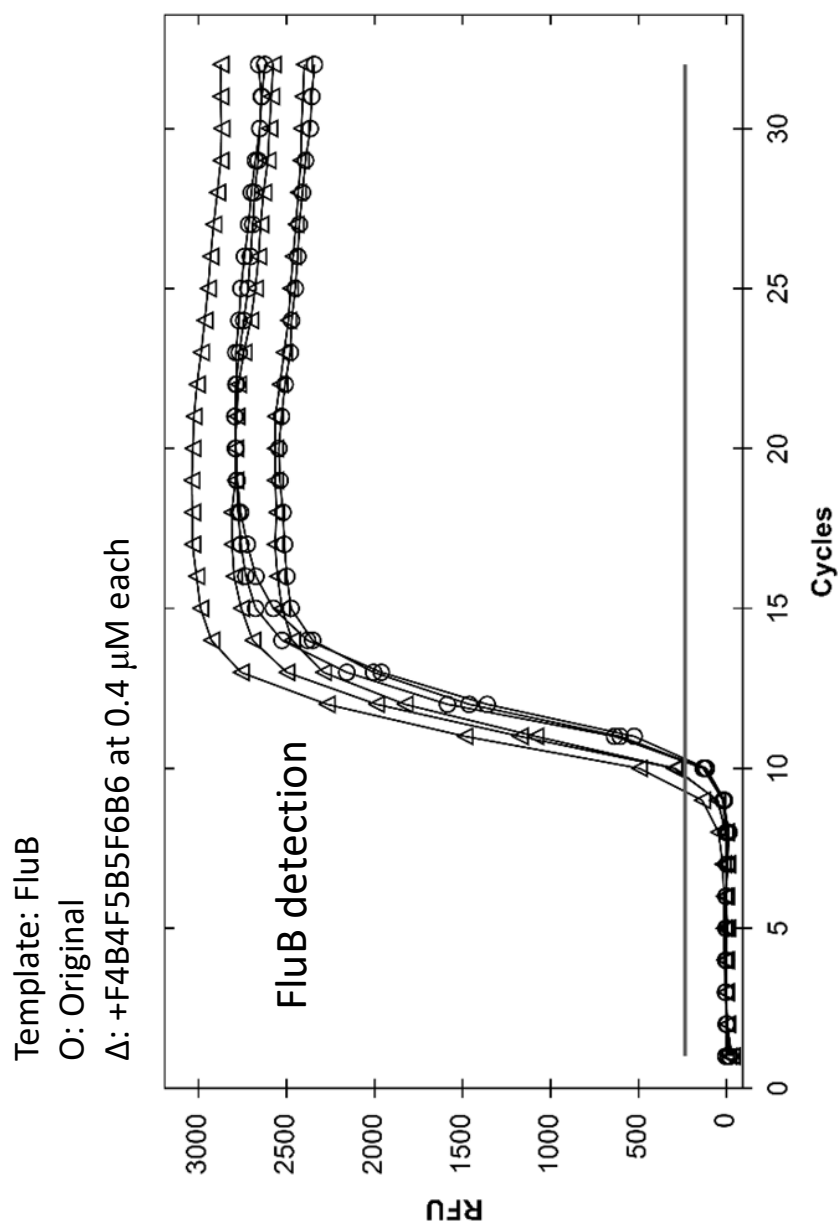


FIG. 9A

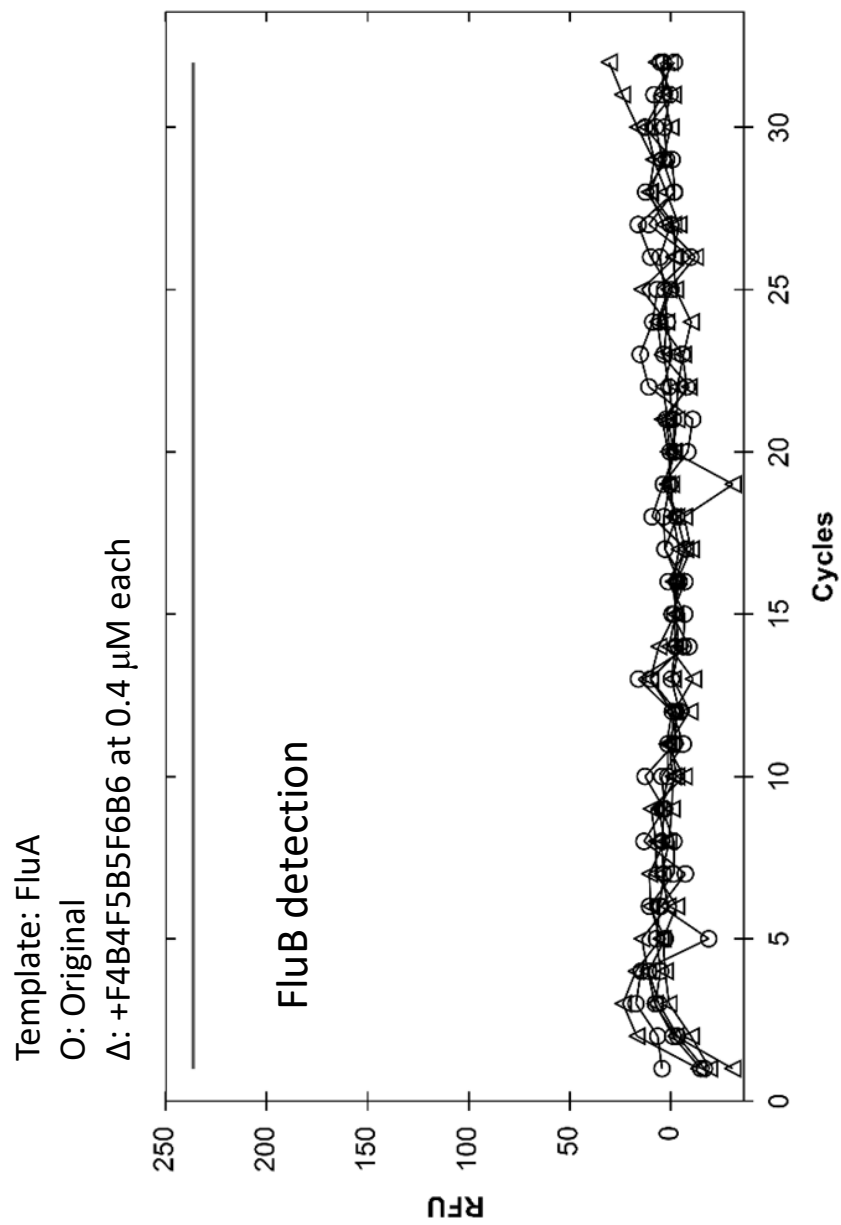


FIG. 9B

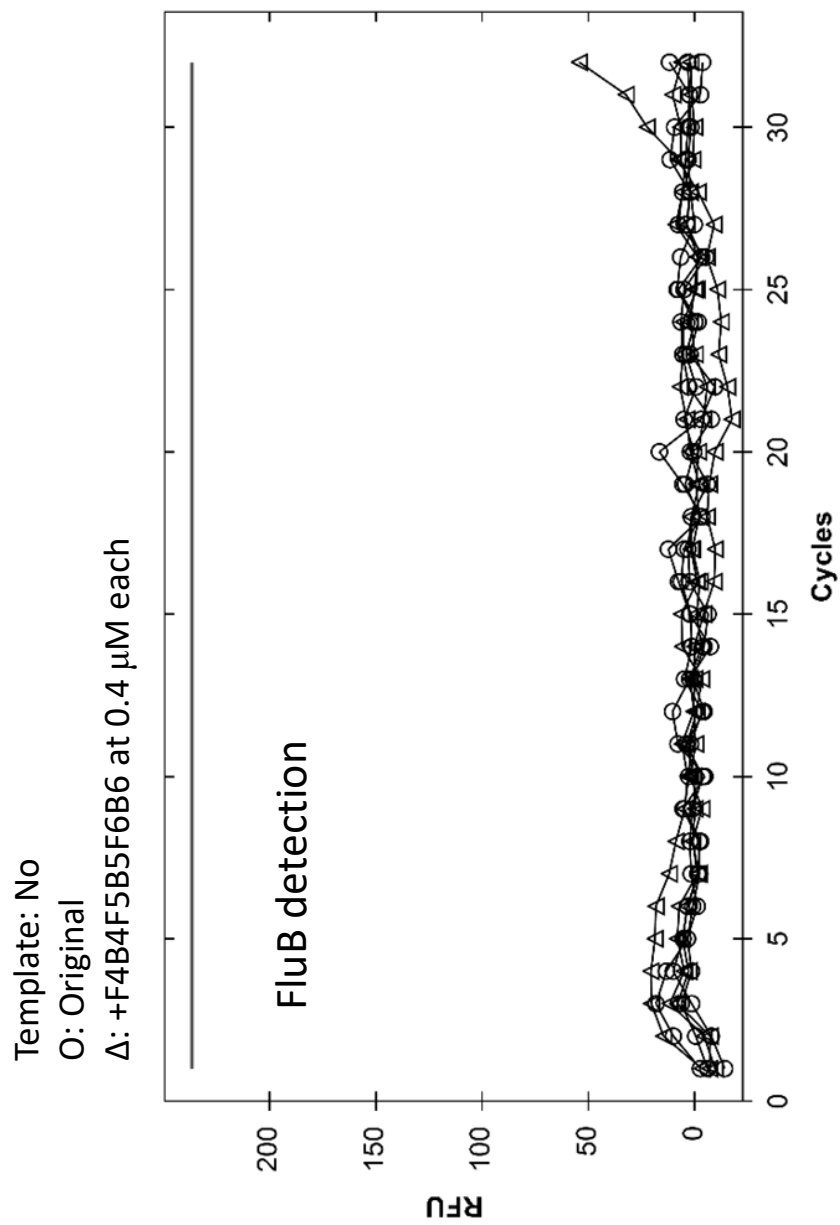


FIG. 9C

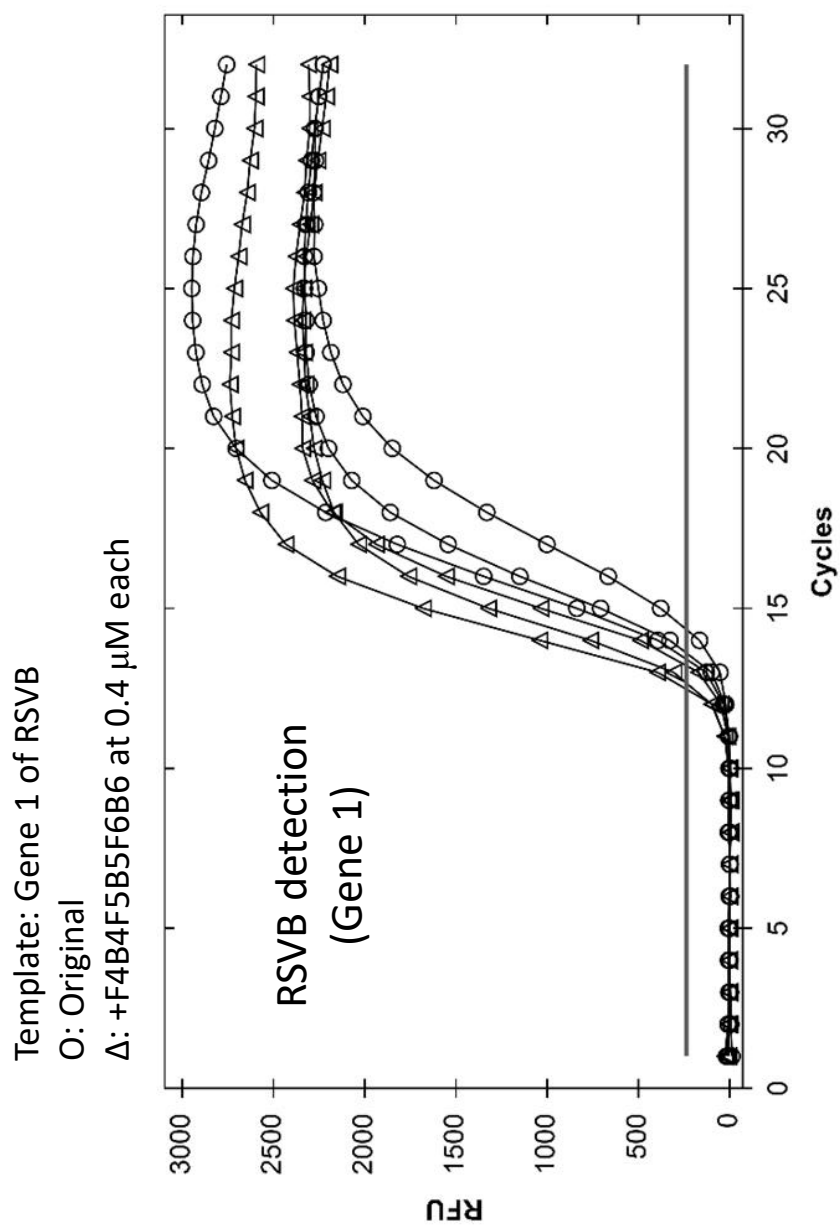


FIG. 10A

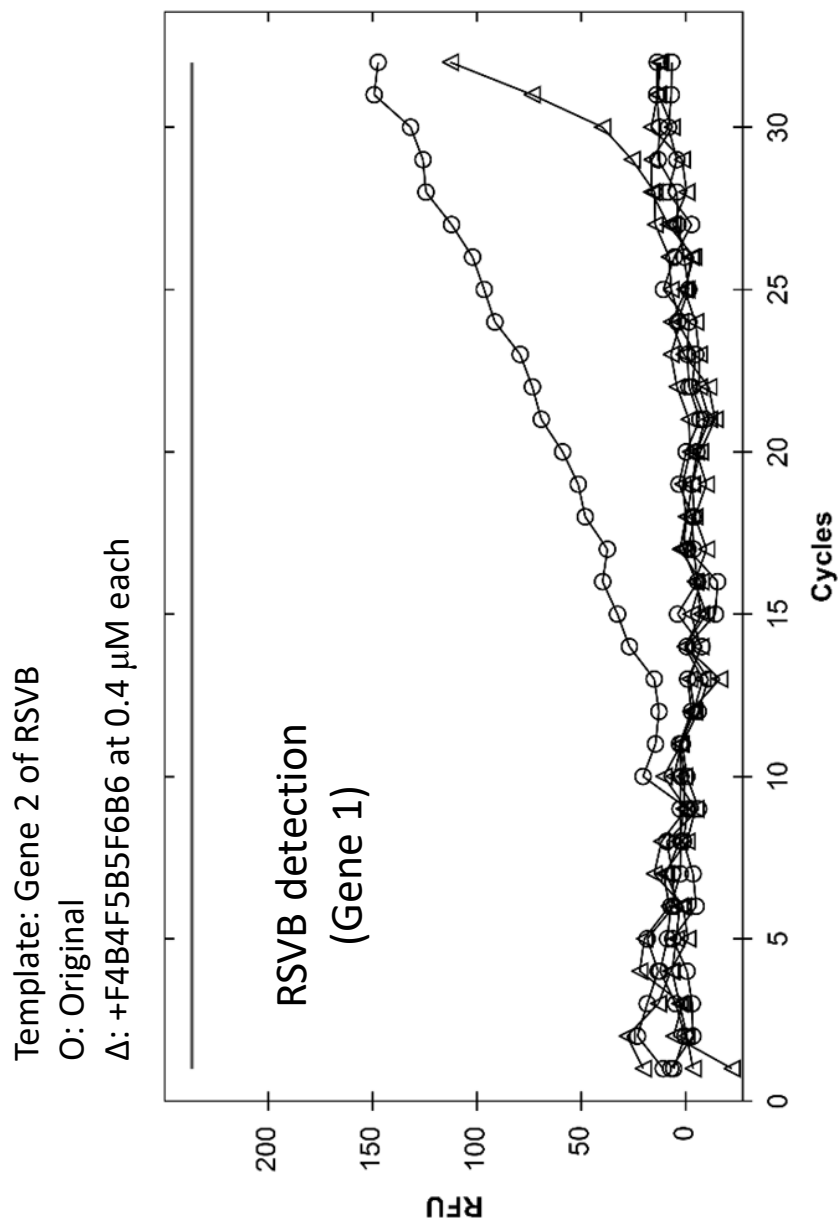


FIG. 10B

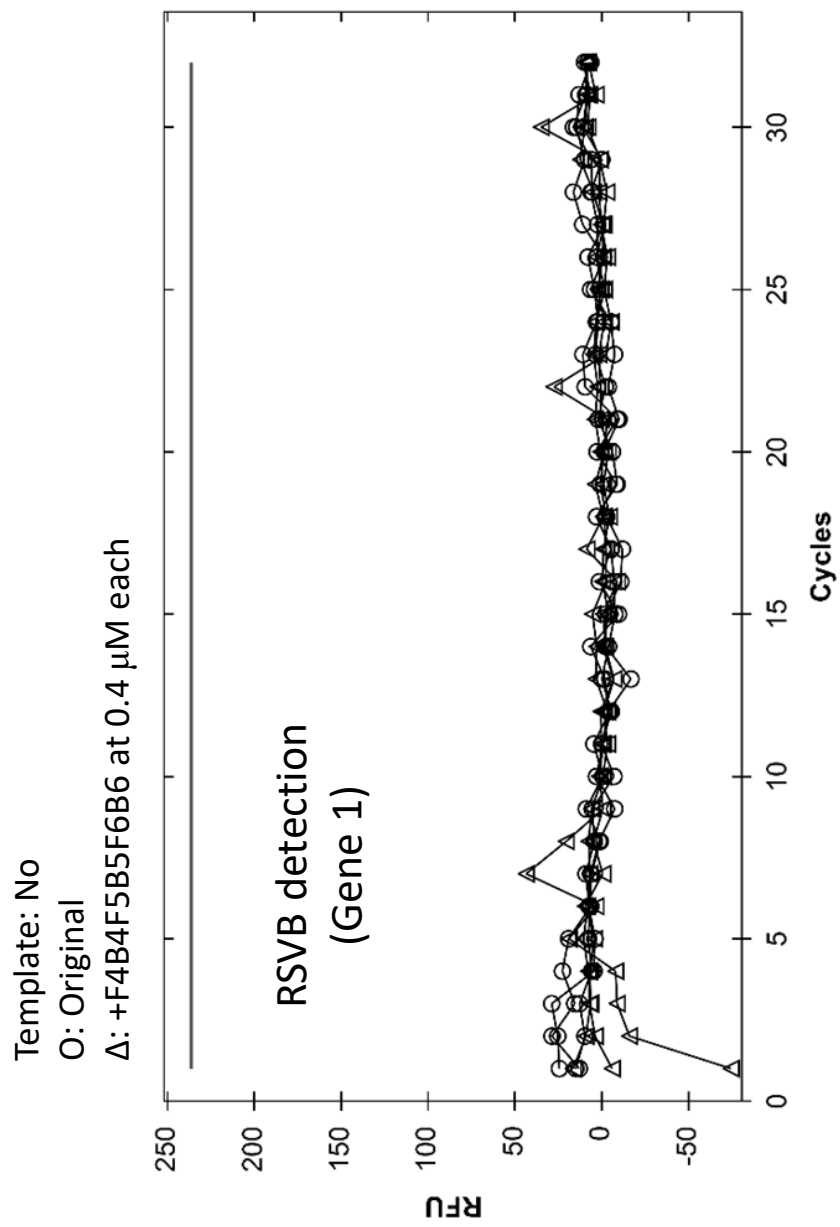


FIG. 10C

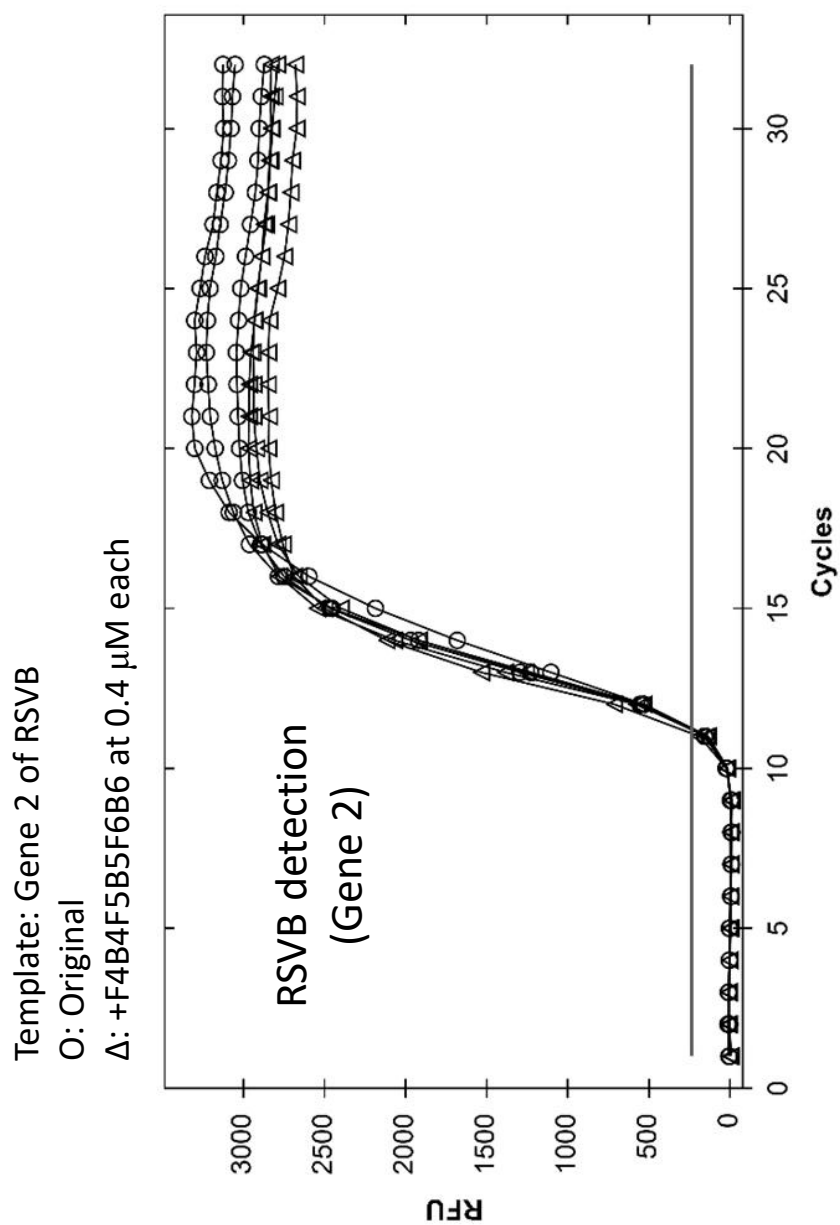


FIG. 11A

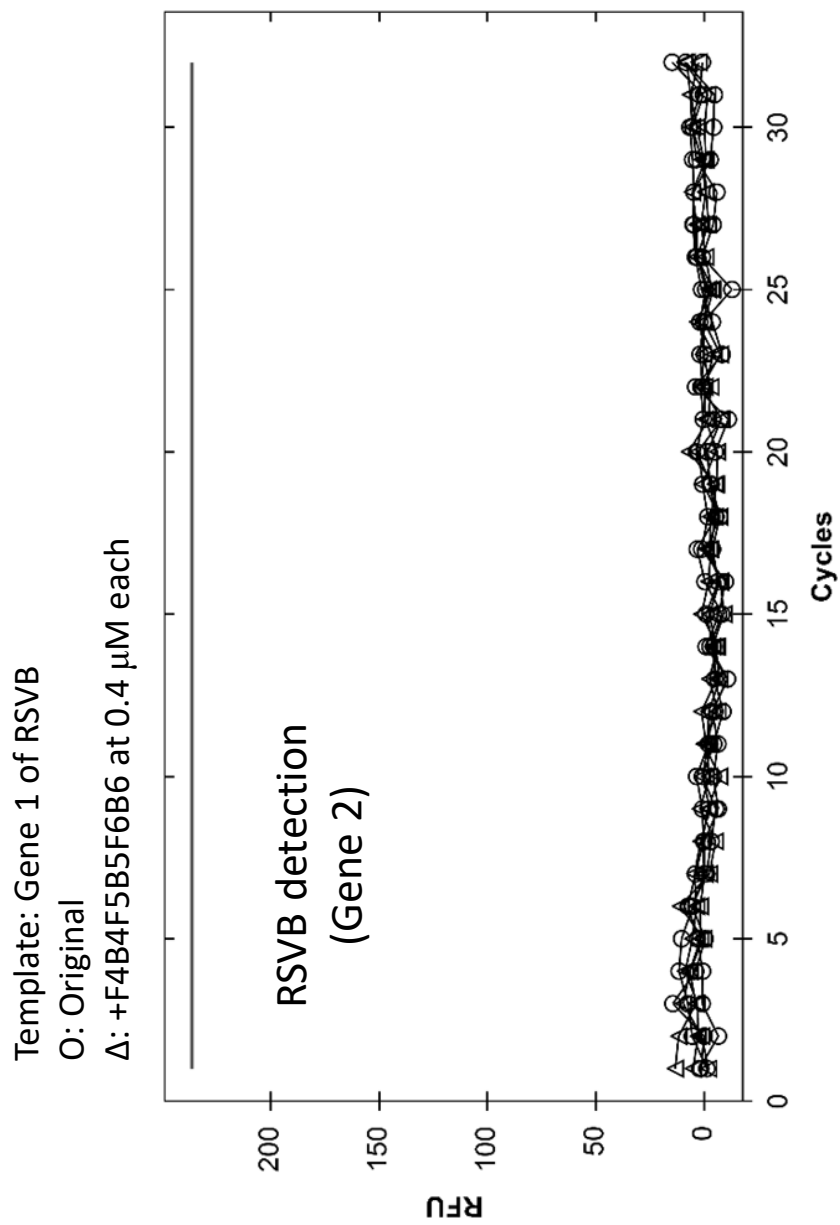


FIG. 11B

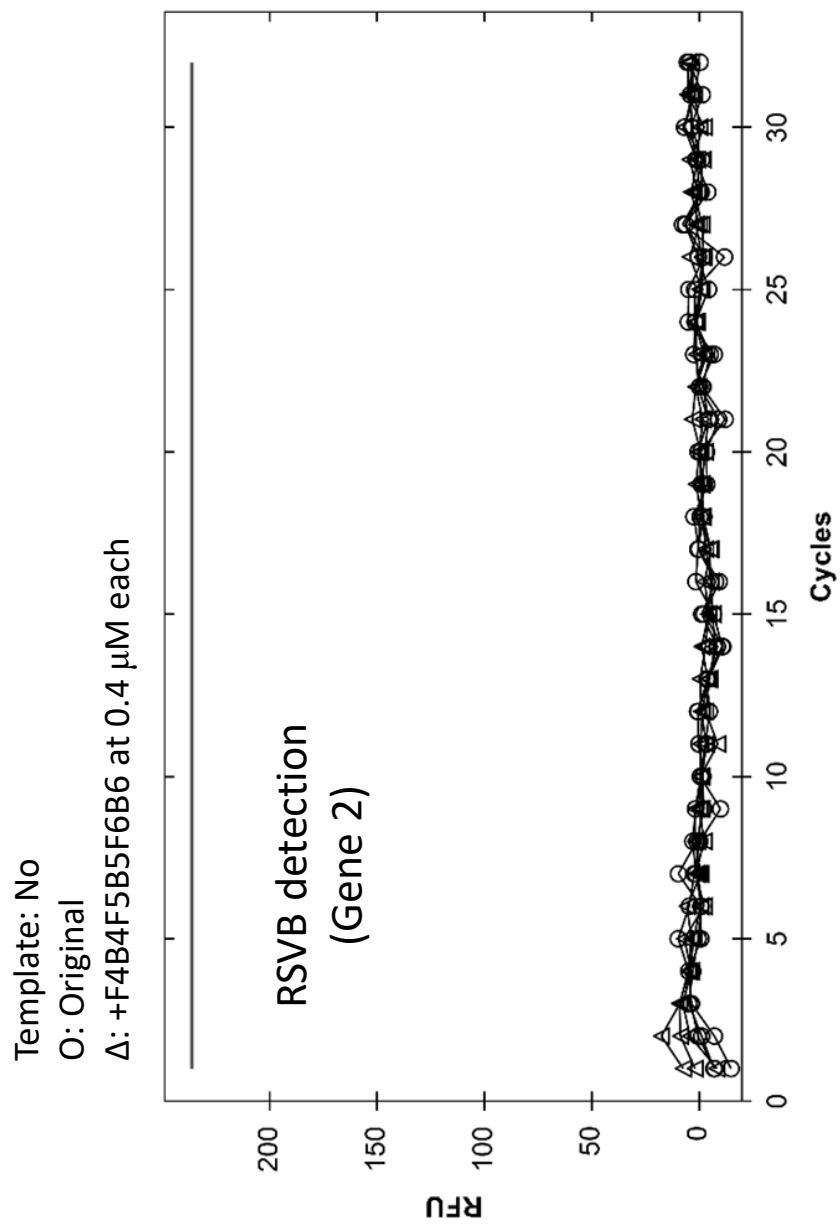


FIG. 11C

O: Original: Detection rate 0/7
 Δ: +F4B4F5B5F6B6 at 0.6 μM each: Detection rate 6/7

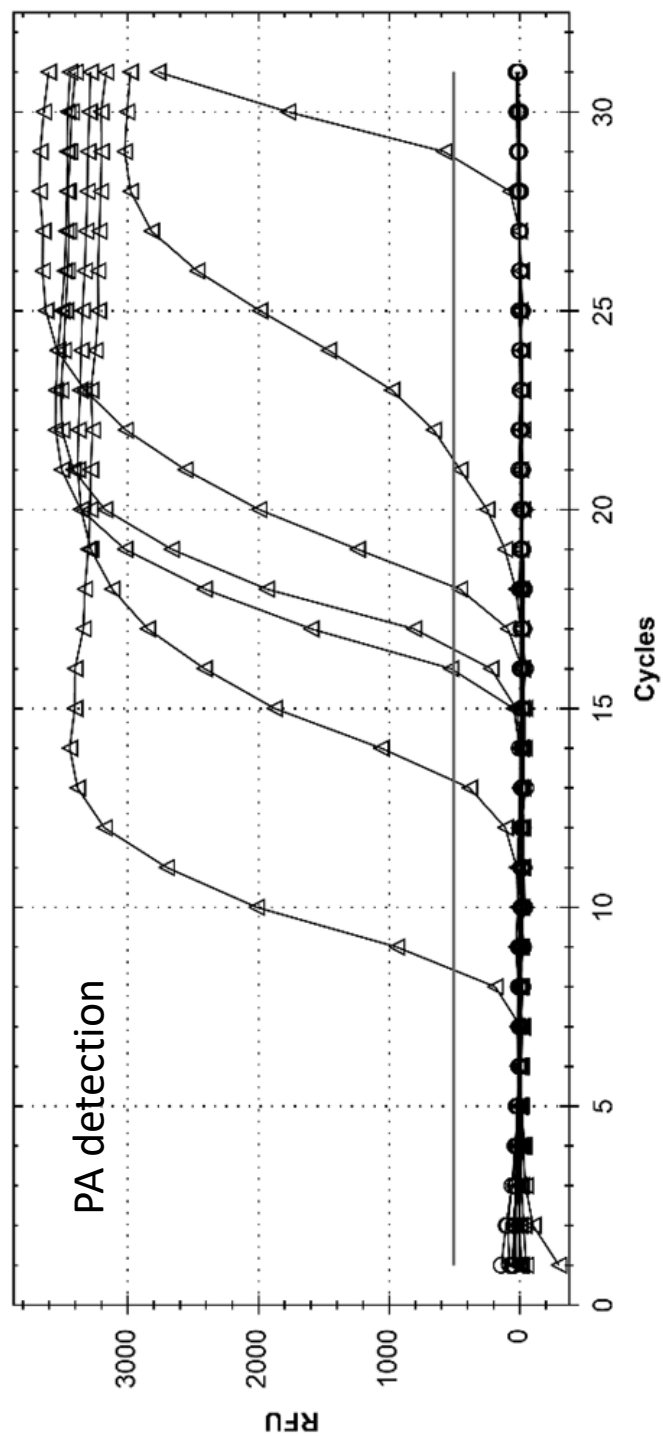


FIG. 12

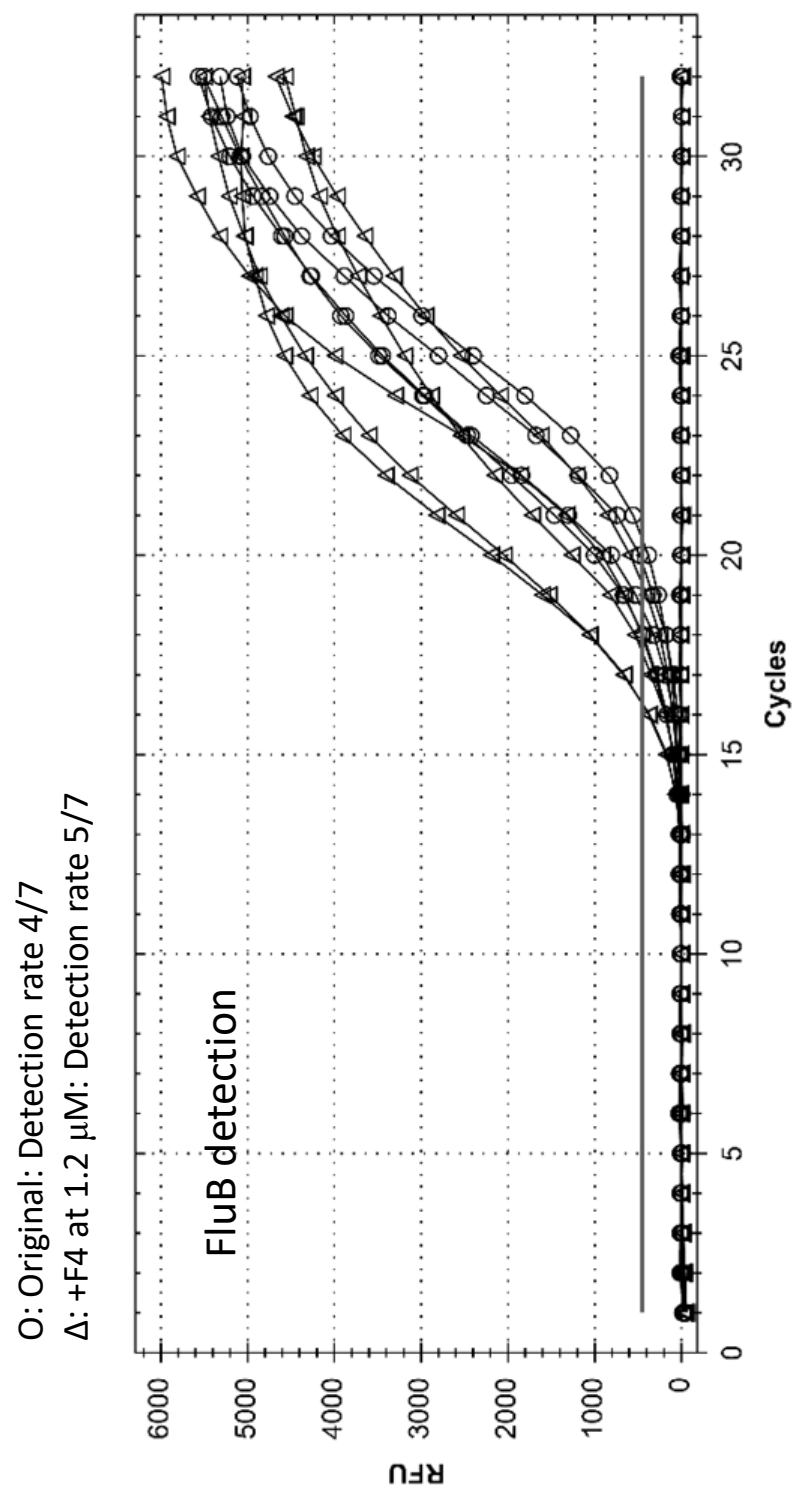


FIG. 13A

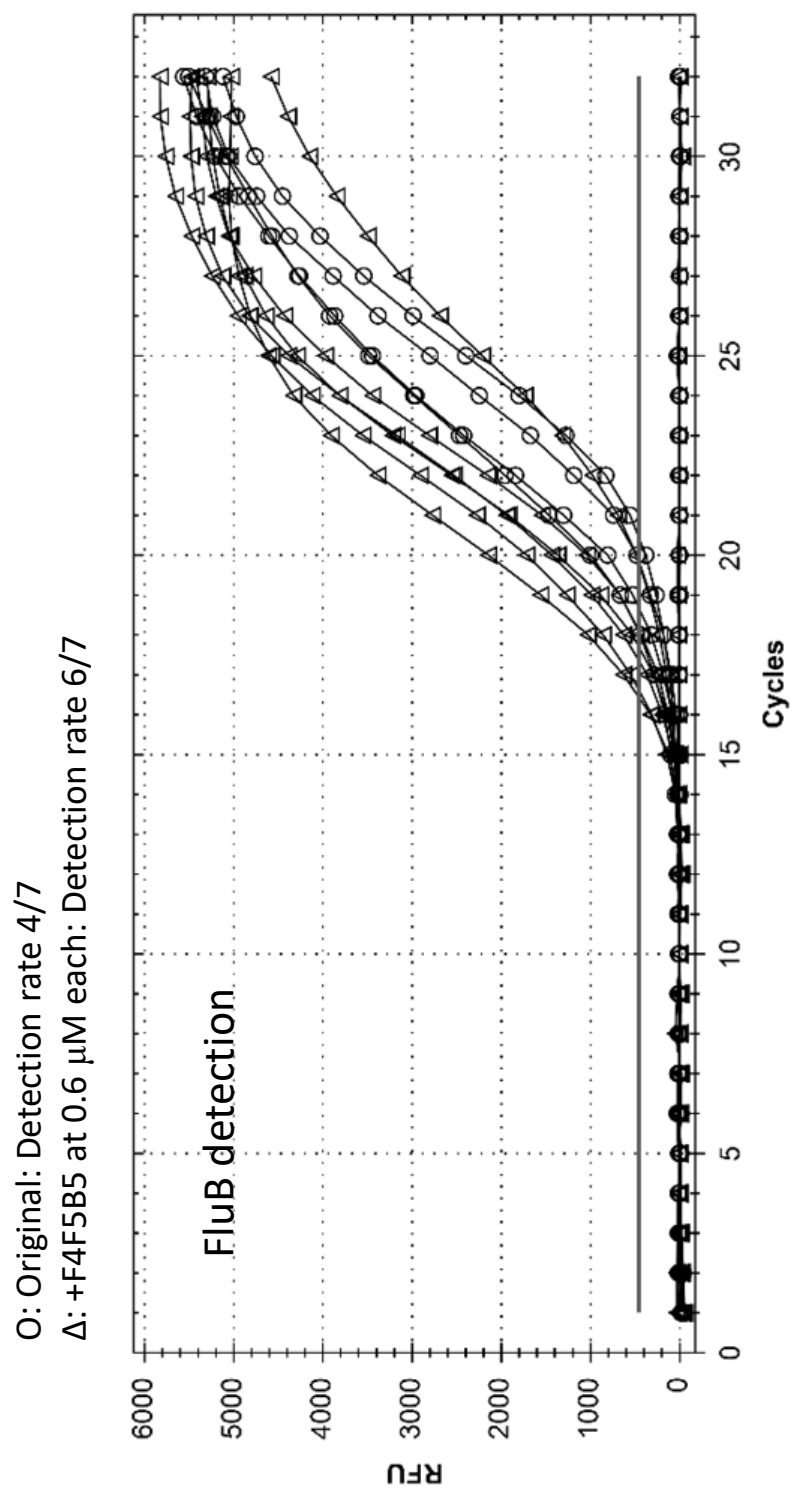


FIG. 13B