

### pA 5' Element

5' PO<sub>4</sub> TATGTATCATAACACATACGATTAGGTTTTTTTTTTCCCTT 3'  
3' ATACATAGTATGTATGCTAAATCCAAAAAAAAGGGAAAGCCTG 5'

pA Primer binding site



### pA 3' Element

5' GACTCAAAGGGAAAAAAAAACCTAAATCGTATGTATGATACTA 3'  
3' TTCCCTTTTTTTTTTTTTGGATTTAGCATACACATACTATGTAT PO<sub>4</sub> 5'

TOPO



pA Primer binding site