

A

Antiparallel
duplex

5' GAGAA 3'
3' CTCTT 5'

Parallel triplex /
Hoogsteen

5' CTCTT 3' or 5' GTGTT 3'
5' GAGAA 3' 5' GAGAA 3'
3' CTCTT 5' 3' CTCTT 5'

Antiparallel triplex /
reverse Hoogsteen

3' GAGAA 5' or 3' GTGTT 5'
5' GAGAA 3' 5' GAGAA 3'
3' CTCTT 5' 3' CTCTT 5'

B

5' **D/E**-AGGGGGAGGAAGGGAGGGATAAC 3'
3' **A/B**-TCCCCCTCCTTCCCTCCCTATTG 5'

5' **D/E/F**-TCCCCCTCCTTCCCTCCCT 3'
5' **A/B**-AGGGGGAGGAAGGGAGGGATAAC 3'
3' TCCCCCTCCTTCCCTCCCTATTG 5'

A = FAM (494/520); **B** = ATTO495 (495/527);
D = Cy5 (646/662); **E** = ATTO647N (644/669);
F = BHQ1

C