

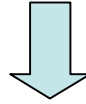
Watson >>**AC<sup>m</sup>GTT**CGCTTGAG****>>

Crick <<**TGC<sup>m</sup>AAG**CGAACTC****<<

**C<sup>m</sup>** methylated

**C** Un-methylated

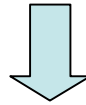
1) Denaturation



Watson >>**AC<sup>m</sup>GTT**CGCTTGAG****>>

Crick <<**TGC<sup>m</sup>AAG**CGAACTC****<<

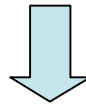
2) Bisulfite Treatment



BSW >>**AC<sup>m</sup>GTT**UGU**TTGAG**>>

BSC <<**TGC<sup>m</sup>AAG**UGAA**UTU**<<

3) PCR Amplification



BSW >>**AC<sup>m</sup>GTT**TGTT**TGAG**>>

BSC <<**TGC<sup>m</sup>AAG**TGA**ATTT**<<

BSWR <<**TG CAA**CA**AACTC**<<

BSCR >>**ACG TTC**ACTTAA****>>