



Read 1 = Read 2
 Position 3

Consensus: G
 $BQ_{\text{cons}}: BQ_{r1} + BQ_{r2}$

Read 1 \neq Read 2
 Position 6

$BQ_{r1} > BQ_{r2}$
 Consensus: T
 $BQ_{\text{cons}}: BQ_{r1} - (BQ_{r2}/2)$

$BQ_{r1} < BQ_{r2}$
 Consensus: C
 $BQ_{\text{cons}}: BQ_{r2} - (BQ_{r1}/2)$

$BQ_{r1} = BQ_{r2}$
 Consensus: C (ref)
 $BQ_{\text{cons}}: BQ_{r1} - (BQ_{r2}/2)$