

This Part ...AGTTTG-3'
...TCAAAC

5'-CCTACC... Subsequent
GGATGG... Part

Resulting
subsequent
assembly
junction

-2
5'-TTTGCCTACC...
GGATGG...
...AG
...TCAAAC-5'

vs.

Relative
overhang/
overlap
(bps)

0
5'-TGCCCTACC...
ATGG...
...AGTT
...TCAAACGG-5'

+2
5'-CCTACC...
GG...
...AGTTTG
...TCAAACGGAT-5'

Assembled
Sequence ...AGTTTGCCTACC...
...TCAAACGGATGG...