





Primer: 5'-T-C-A-G-G-A-C-G-T-OH

Template: 3'-A-G-T-C-C-T-G-C-A-A-T-G-C-C-G---5'



Primer extension
(DNA polymerase)

-dTTP-OR -dGTP-OR
-dCTP-OR -dATP-OR
3'-O-reversible terminator

Primer: 5'-T-C-A-G-G-A-C-G-T-T-OR Termination

Template: 3'-A-G-T-C-C-T-G-C-A-A-T-G-C-C-G---5'

Read color
Remove color and 3'-blocking group

Primer: 5'-T-C-A-G-G-A-C-G-T-T-OH  

Template: 3'-A-G-T-C-C-T-G-C-A-A-T-G-C-C-G---5'

Wash

Primer: 5'-T-C-A-G-G-A-C-G-T-T-OH 

Template: 3'-A-G-T-C-C-T-G-C-A-A-T-G-C-C-G---5'

Repeat cycle