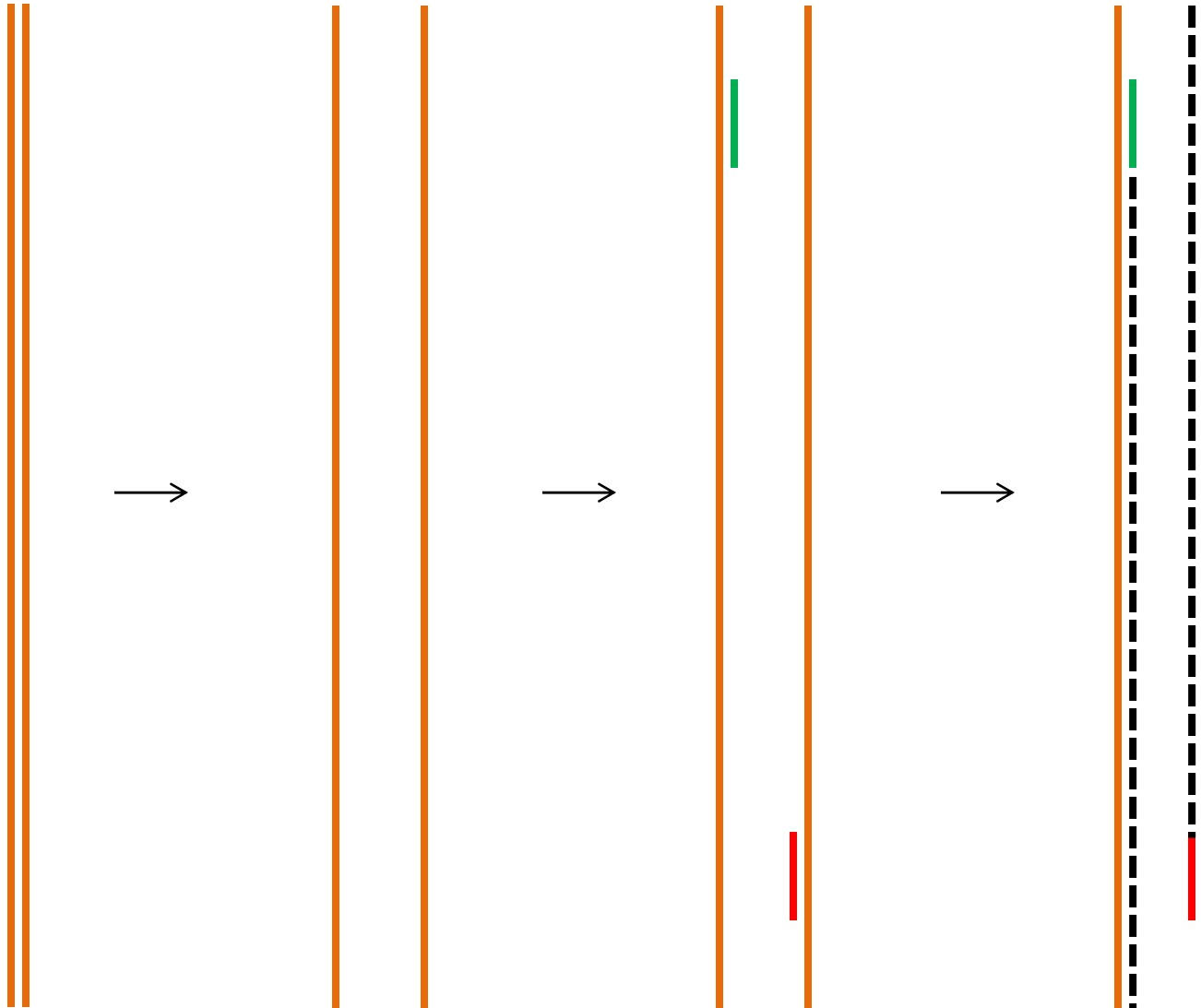
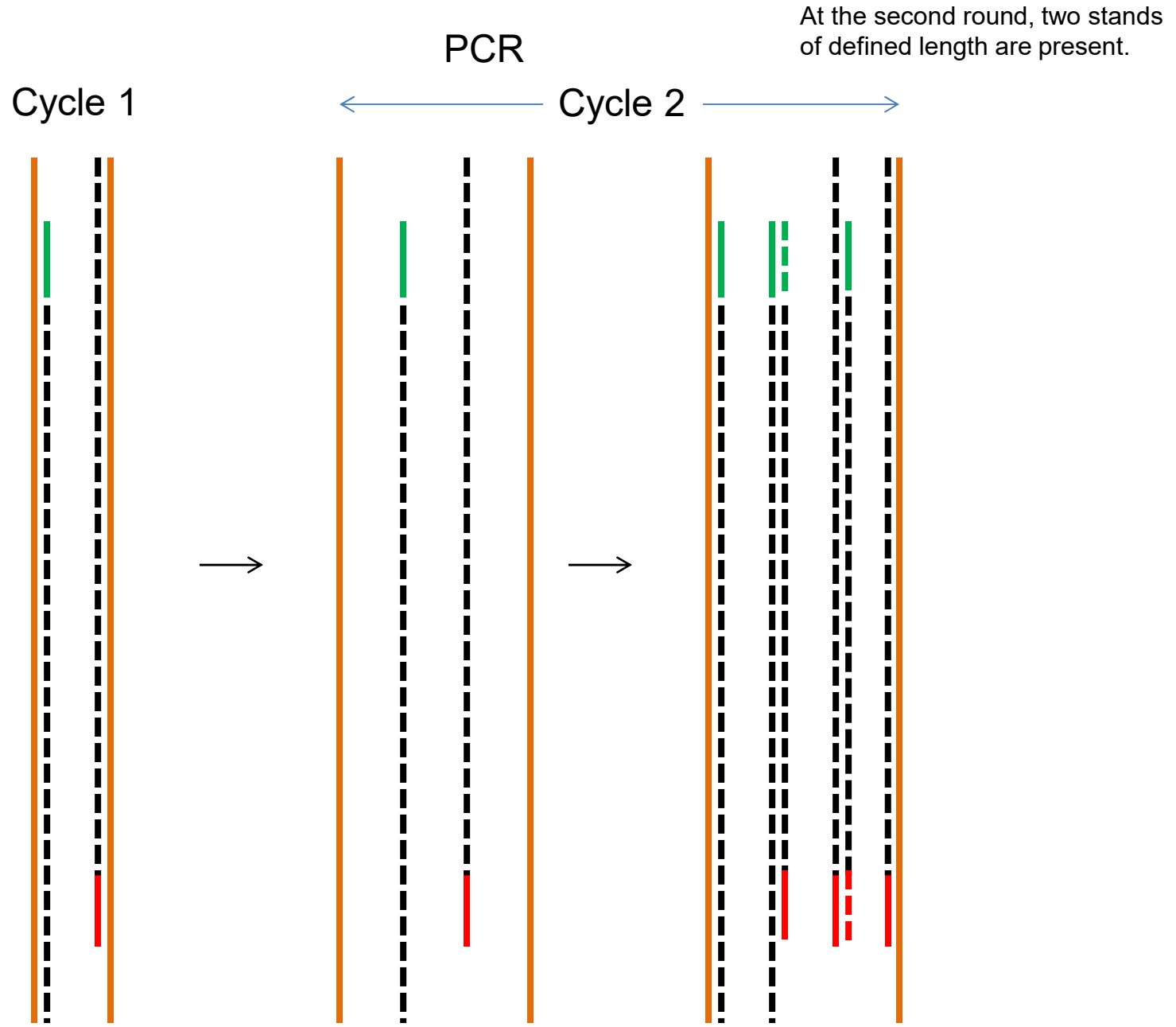


# PCR Cycle 1

At the very first round, only the original template is replicated, with one indeterminate end.

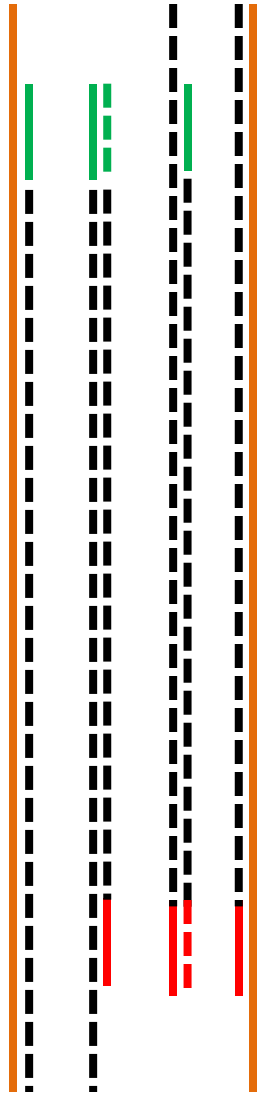




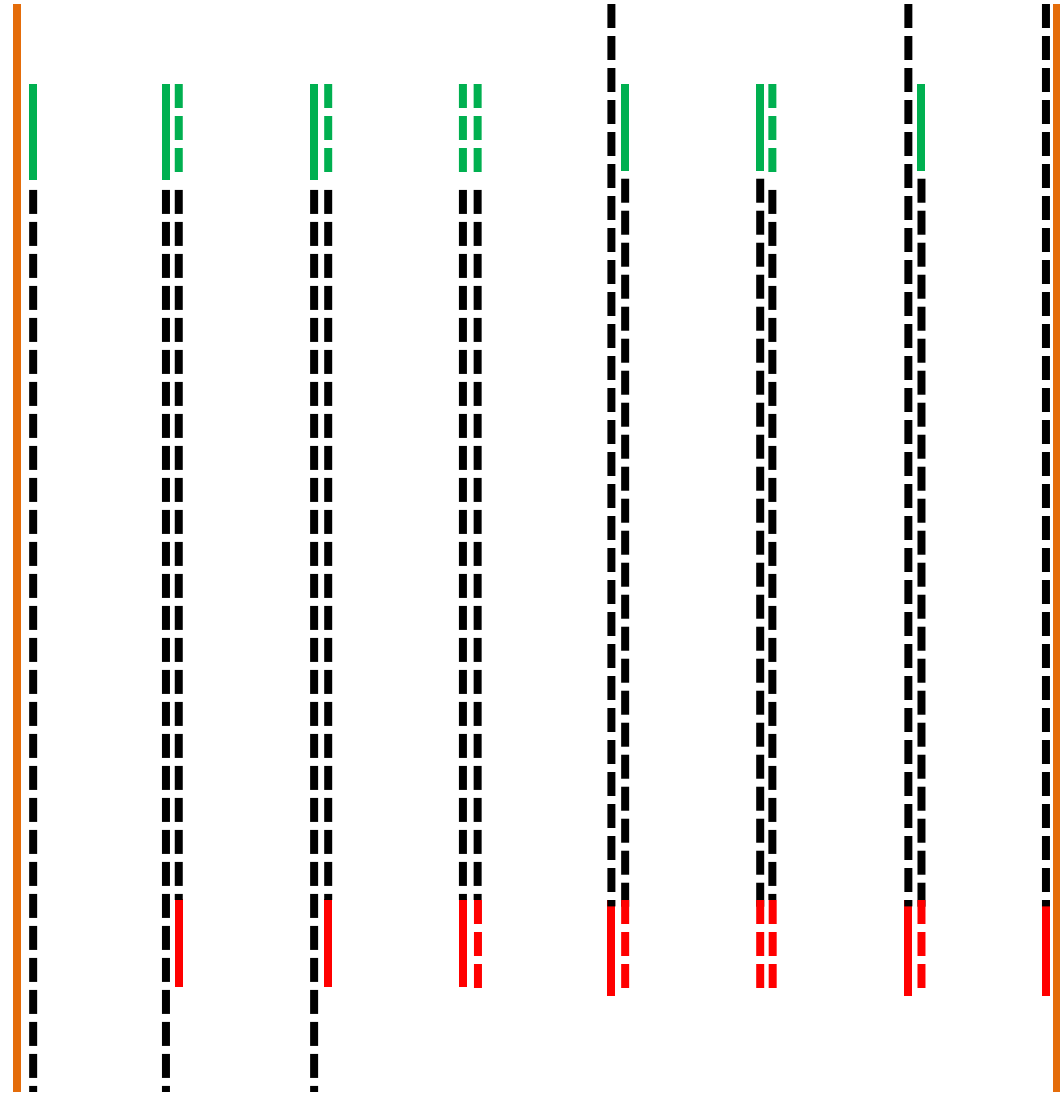
# PCR

At the third round, eight stands of defined length are present.

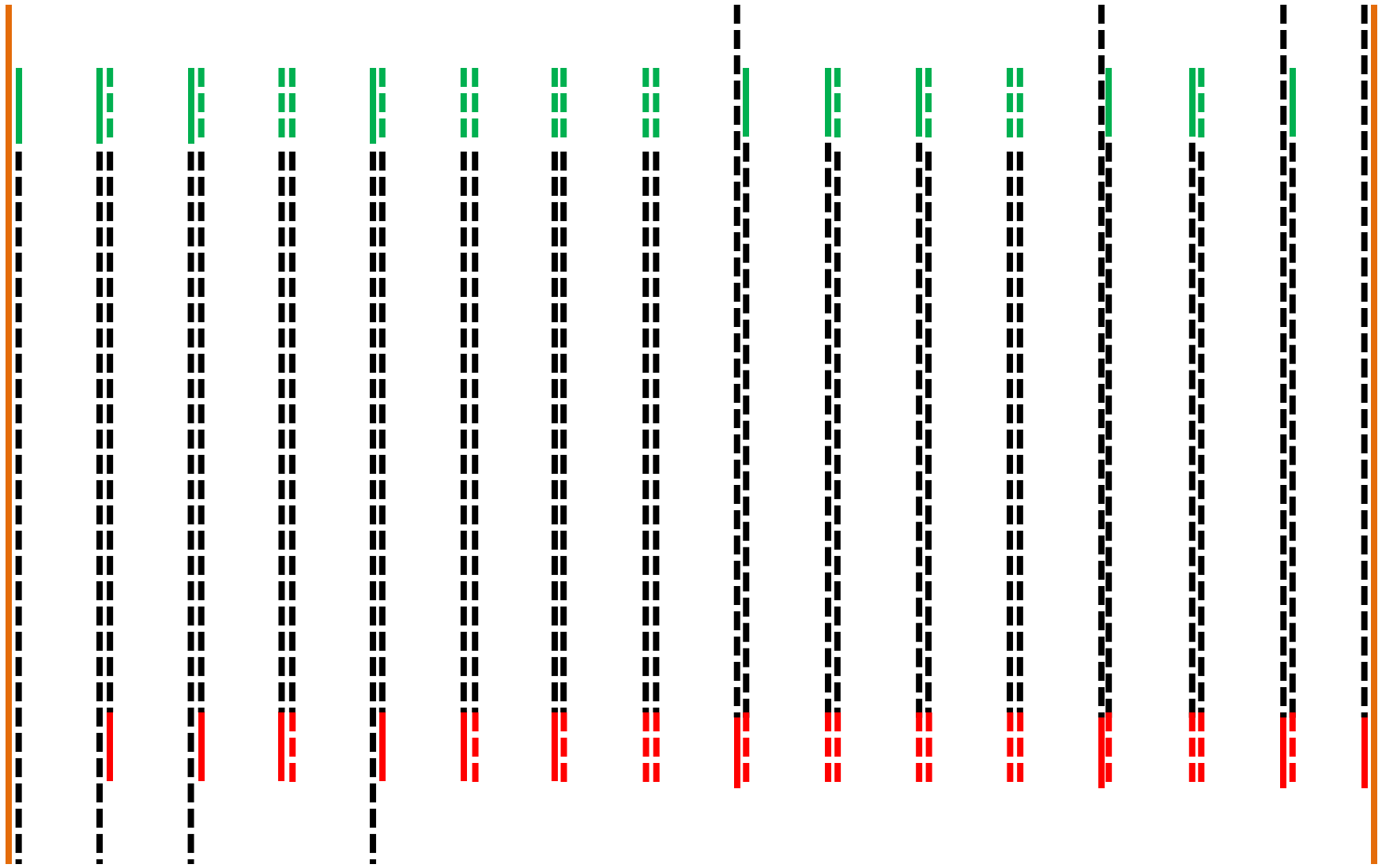
## Cycle 2



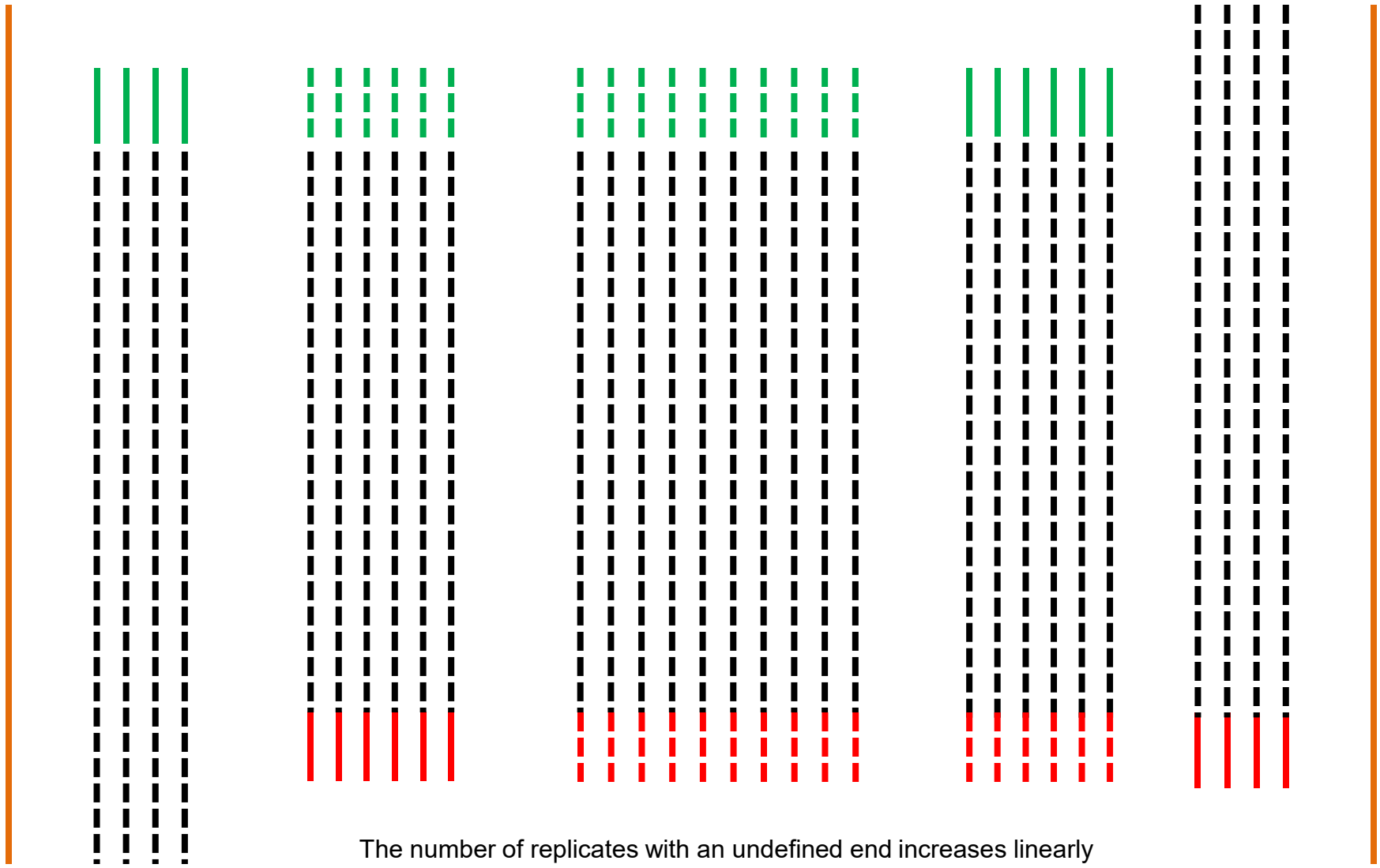
## Cycle 3



# PCR cycle 4

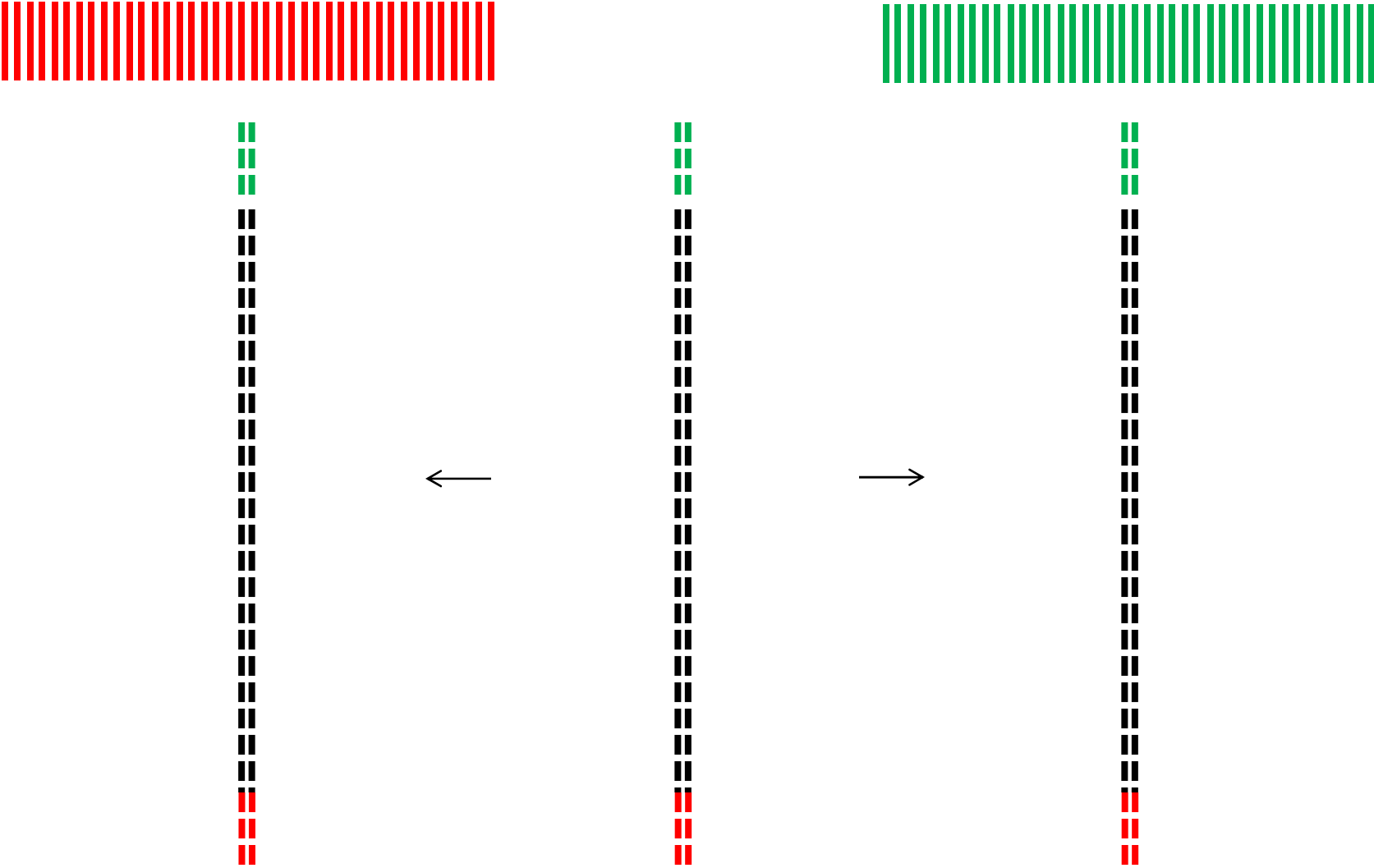


# PCR cycle 4



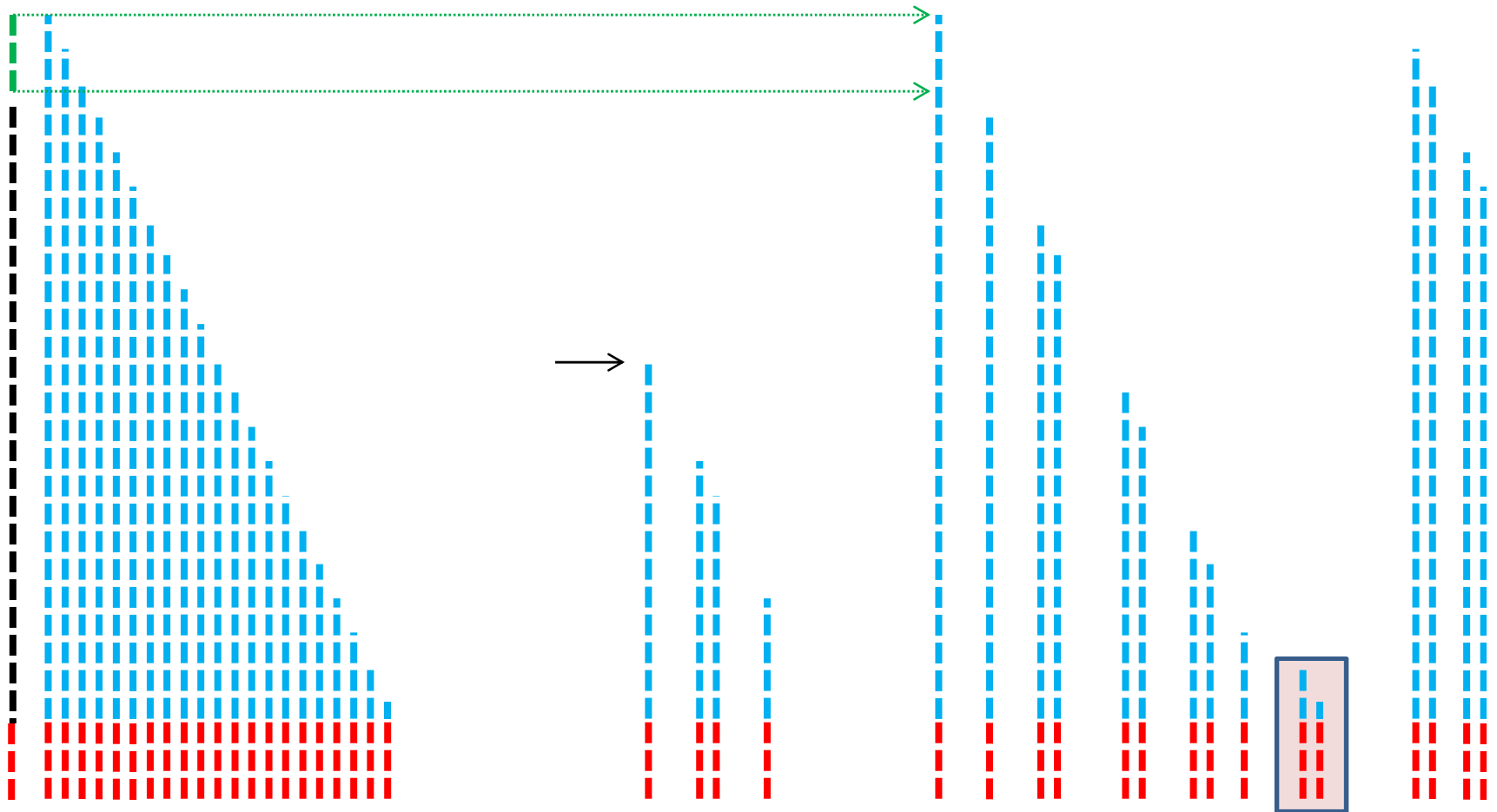
The number of replicates with an undefined end increases linearly whereas the number of fixed-length duplicates increases exponentially.

# Sequencing



The PCR product is stripped of unused nucleotides and primers, divided in half, and each half is sequenced using a single primer.

# Sequencing



Only one strand is replicated to various lengths.  
Unused nucleotides and primers are removed by gel filtration, taking along the shorter sequences.