

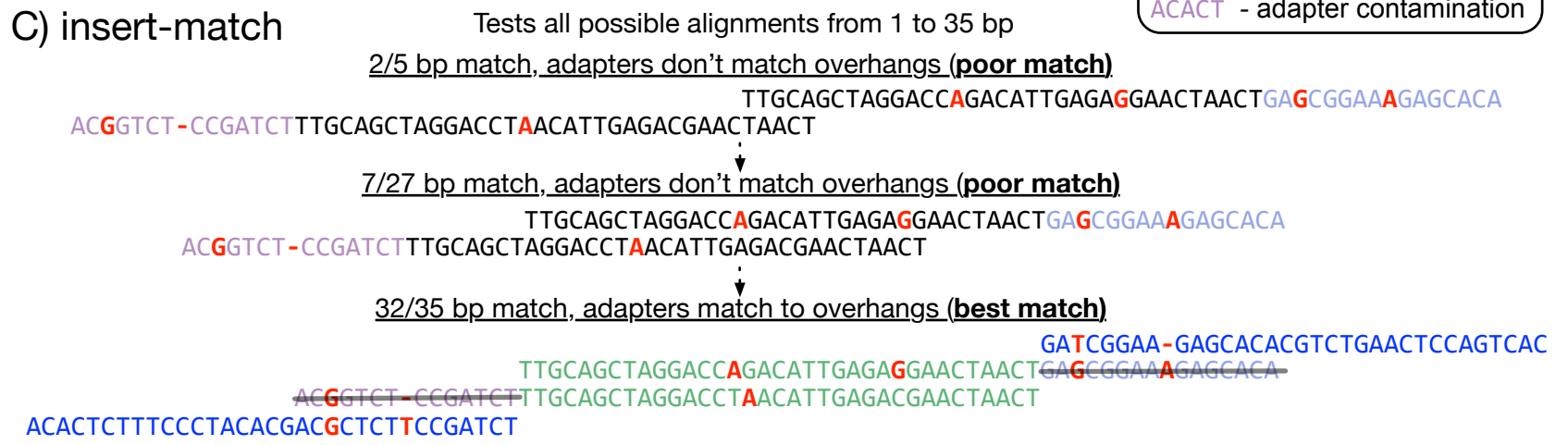
TTGCA - template sequence  
 GAAGC - mismatch/error  
 GA-TC - gap (indel)  
 ACGCT - trimmed sequence  
 read 1:  
 GATCG - adapter sequence  
 GATCG - adapter contamination  
 read 2:  
 ACACT - adapter sequence  
 ACACT - adapter contamination

B) adapter-match

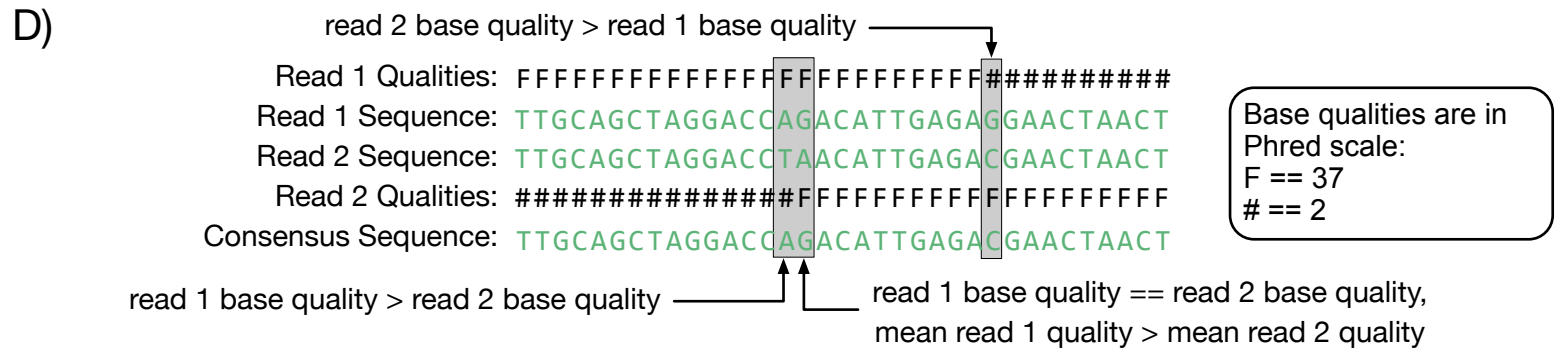
read 1 GATCGGAA-GAGCACACGTCTGAACTCCAGTCAC  
 TTGC...AACTGAGCGGAAAGAGCACA

read 2 AGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT  
 AGTT...GCAAAGATCGG-AGACCGT

C) insert-match



D)



E)

