Paired-end vs mate pair

Paired-end reads

fragment (< 800 bp)

blunt ending and
5' phosphorylation

3'-dA overhang

adapter
ligation
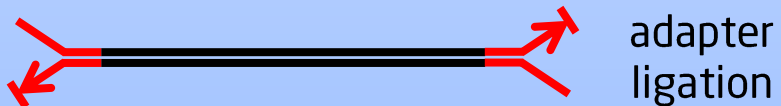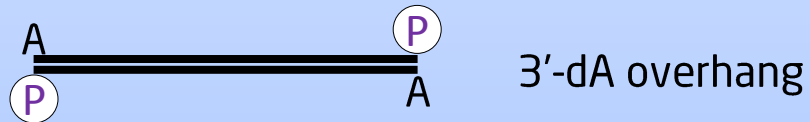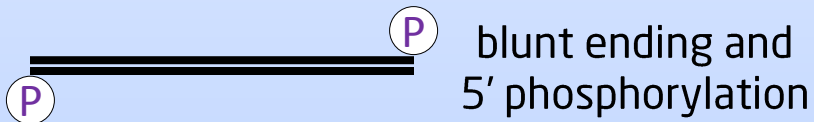
Mate-pair reads

biotin-labeled fragment

circularized
fragment

fragmented
circles

adapter
ligation

streptavidin
purification