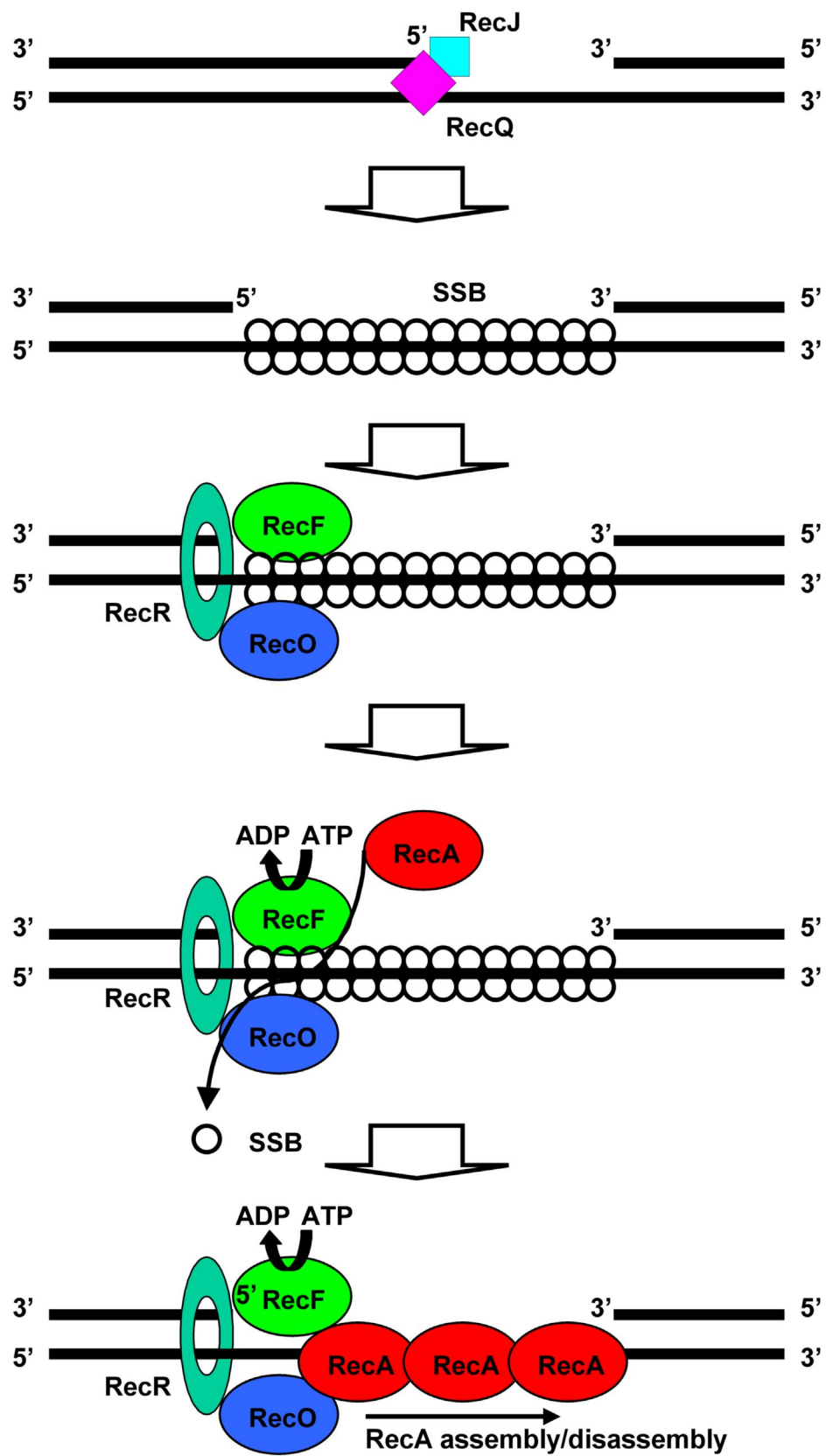


Supplementary Figure 1



Legend to Supplementary Figure

Fig. S1. A simplified working model for the RecA filament formation onto gapped DNA via RecF pathway. For the *E. coli* RecA, both filament extension and disassembly occur in the 5' to 3' direction on ssDNA (Bork *et al.*, 2001). *E. coli* and typical RecA proteins form a filament on ssDNA first, whereas the unusual *D. radiodurans* RecA forms a filament first on dsDNA (Kim and Cox, 2002).

References to Supplementary Figure

Bork JM, Cox MM, Inman RB (2001) RecA protein filaments disassemble in the 5' to 3' direction on single-stranded DNA. *J Biol Chem* **276**: 45740-45743

Kim J-I, Cox MM (2002) The RecA proteins of *Deinococcus radiodurans* and *Escherichia coli* promote DNA strand exchange via inverse pathways. *Proc Natl Acad Sci USA* **99**: 7917-7921