

RecA maintains the integrity of chloroplast DNA molecules in Arabidopsis

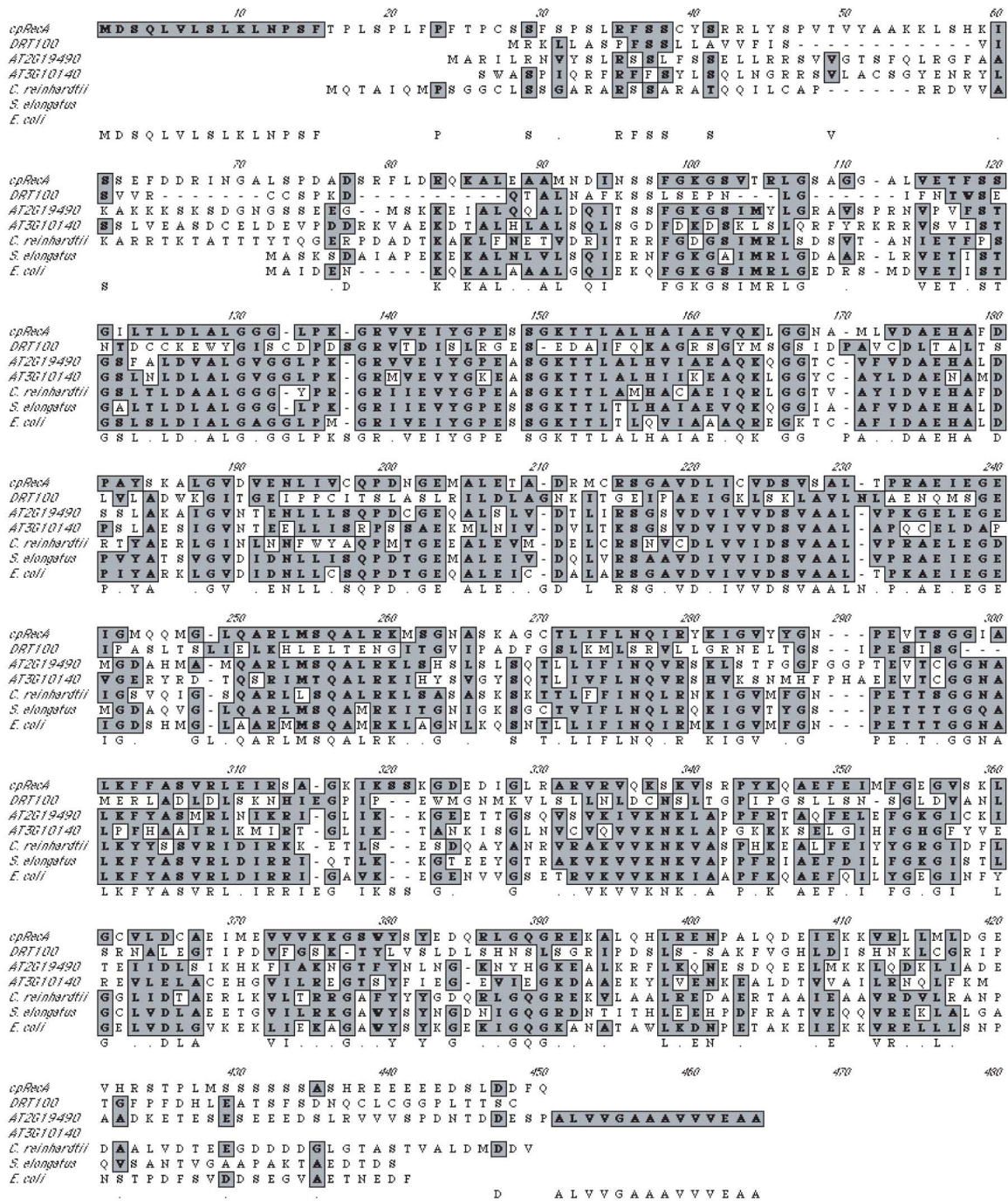
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Supplementary Material

Figure S1. Protein alignment and phylogeny of coding regions of putative RecA homologues. (A) Protein alignment for cpRecA and three other RecA homologues (DRT100, AT2G19490, AT3G10140) encoded in the Arabidopsis nuclear genome, *Chlamydomonas reinhardtii* (*C. reinhardtii*, nuclear-encoded, chloroplast-targeted homologue), *Synechococcus elongatus*, (*S. elongatus*, cyanobacterial homologue), and *E. coli* RecA. The last line shows the consensus sequence. (B) Neighbor-joining tree of coding sequences (excluding the region coding for the signal peptide). Values at nodes are bootstrap values from 20,000 replicates.

Figure S1

A



B

