Supplementary Data

Binding and Cleavage Specificities Define the Ordered Processing of Human Okazaki Fragments by Dna2 and FEN1

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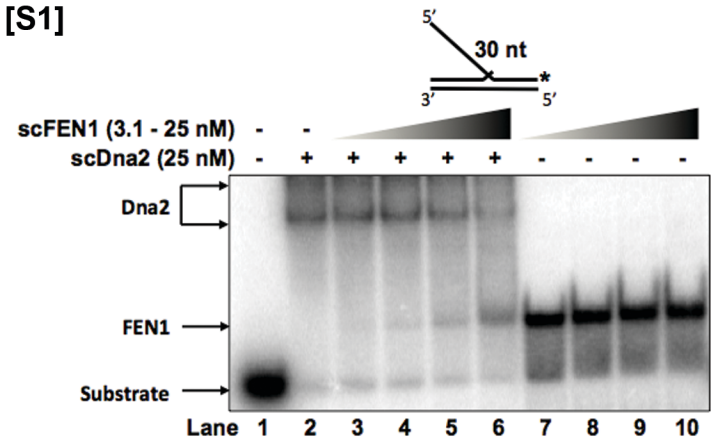

Supplementary Figure S1. Yeast FEN1 (scFEN1) displaces Dna2 (scDna2) from long double flap structures. scDna2 (25 nM) was pre-incubated with the experimental 30 nt double flap substrate (U2:T3:D2.30) prior to the addition of increasing concentrations of scFEN1 (3.1, 6.25, 12.5, or 25 nM in lanes 3-6). Lane 1 shows the substrate alone, lane 2 shows scDna2 bound without scFEN1 and lanes 7-10 show scFEN1 alone bound to the substrate at the same concentrations as in 3-6. The position of the substrate alone, scDna2-substrate complex, and scFEN1-substrate complex are indicated to the left of the figure.