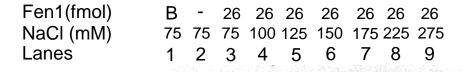
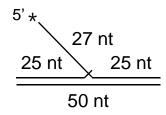


Figure S1. Specificity of *S. cereviseae* Mph1 in stimulation of Fen1 and Dna2 A, Fen1 endonuclease assay was performed in standard reaction condition at 30 °C for 15 min. Fen1(8 fmol) was added (+) or omitted (-). Mph1, as a stimulating factor, and two non-specific helicases, *S. pombe* Pfh1 and SV40 T-antigen were included (+: 10 fmol, ++: 32 fmol) or omitted (-) in reactions. B, Dna2 endonuclease assay was performed as in panel A. Dna2 (2 fmol) was added (+) or omitted (-). Mph1 and two non-specific helicases, *S. pombe* Pfh1 and SV40 T-antigen were included (+: 10 fmol,++: 32 fmol) or omitted (-) in reactions. B : boiled substrate. The substrate used are illustrated below the panel.

Α





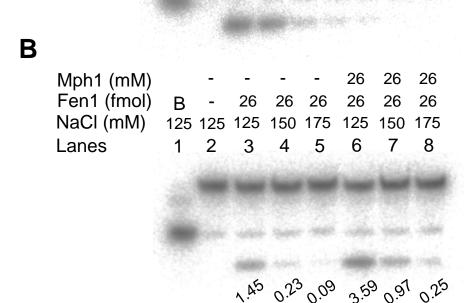


Figure S2. Stimulation of higher amount of Fen1 in increased salt concentration by Mph1 A, Fen1 endonuclease assay was performed in various NaCl concentrations. Substrate used is illustrated on right side of the panel. **B,** Endonuclease assay was performed with Fen1 in higher concentration of NaCl (125~175 mM) in the presence or absence of Mph1. The amount of proteins used are indicated in the figure. B: boiled substrate.

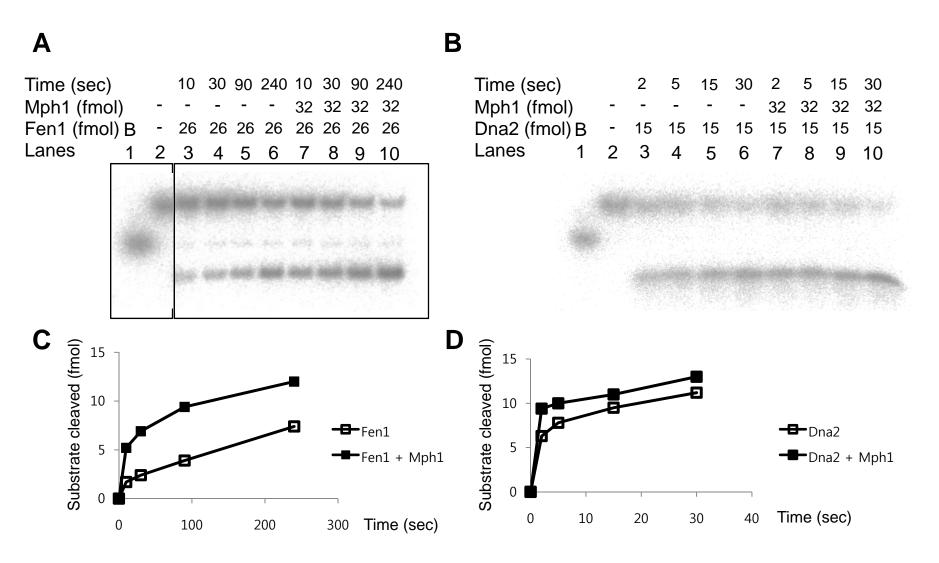


Figure S3. Stimulation of higher amount of Fen1 and Dna2 by Mph1 A, Fen1 endonuclease assay was performed with time-course (10~240 sec) in the presence or absence of Mph1. All additions are indicated in the figure and substrate used is illustrated in figure S1. A. **B,** Dna2 endonuclease assay was performed with time-course (2~30 sec) in the presence or absence of Mph1. All additions are indicated in the figure and substrate used is illustrated in figure S1. B. **C,** The amount of endonucleolytic product in panel A was plotted against time. **D,** The amount of endonucleolytic product in panel B was plotted against time.