

Hizume Supplementary Fig. S5

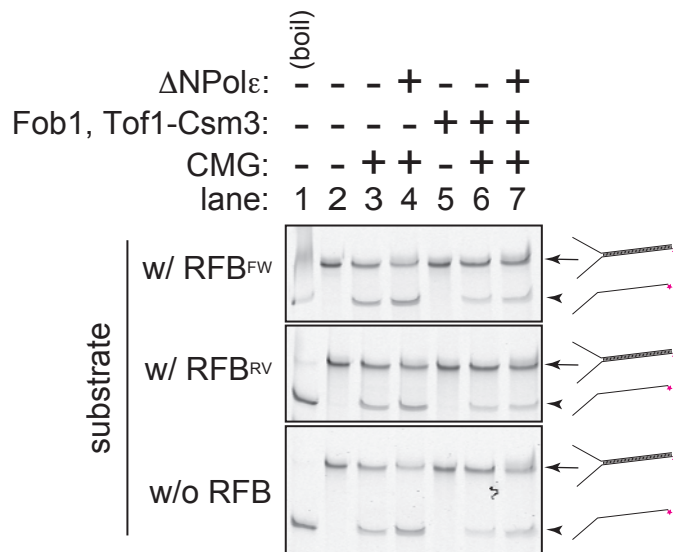


Figure S5. CMG helicase assay using a forked substrate containing the RFB. Using forked DNA substrates with RFB^{FW}, RFB^{RV}, or without the RFB (upper, middle, and lower panels, respectively), the helicase assay was performed in the presence of the Pol ϵ -pol2 Δ N complex (Δ NPoI ϵ), Fob1, and Tof1-Csm3, as indicated above the panels. CMG (100 fmol) was mixed with 1 fmol of the substrates and ATP in the presence of 128 fmol of Fob1, 64 fmol of Tof1-Csm3, and/or 100 fmol of Δ NPoI ϵ complex. Regardless of the presence of the RFB on substrates, Fob1 and Tof1-Csm3 inhibited CMG helicase activity (compare lanes 3-4 with 6-7). Δ NPoI ϵ had little effect on CMG helicase activity