Figure S5. Related to Figure 7. (A) Full-length MR-2C or wild-type proteins (200 nM) were crosslinked with 2 mM H$_2$O$_2$ and either 0.5 or 5 mM DTT as indicated at 65°C for 5 min. The crosslinked MR was then used at a 40 nM concentration in DNA end tethering assays as in Fig. 5A but with T4 DNA ligase. 5 ng (0.2 nM, 0.5X) circular plasmid was added simultaneously as competitor DNA. (B) Full-length MR-2C or wild-type proteins (3.4 µM) were crosslinked with 2 mM H$_2$O$_2$ and either 0.5 or 5 mM DTT as indicated at 65°C for 5 min in reactions containing γ-[^32]P-ATP radioactive ATP. ATP hydrolysis was started by addition of 5 mM MgCl$_2$ and continued for 1h (set on left) or 3h (set on right) at 65°C. Reactions were separated by TLC plates and analyzed by phosphorimager.