

**S3. Supplemental Figure 2:** ZDOCK-based simulation of Rad5. (A)  $R_g$  is plotted as a function of time for a 5  $\mu$ s simulation. (B)  $D_{max}$  is plotted as a function of time for a 5  $\mu$ s simulation. (C) Individual structures from the resulting ensemble arranged in order of increasing  $R_g$  values.