

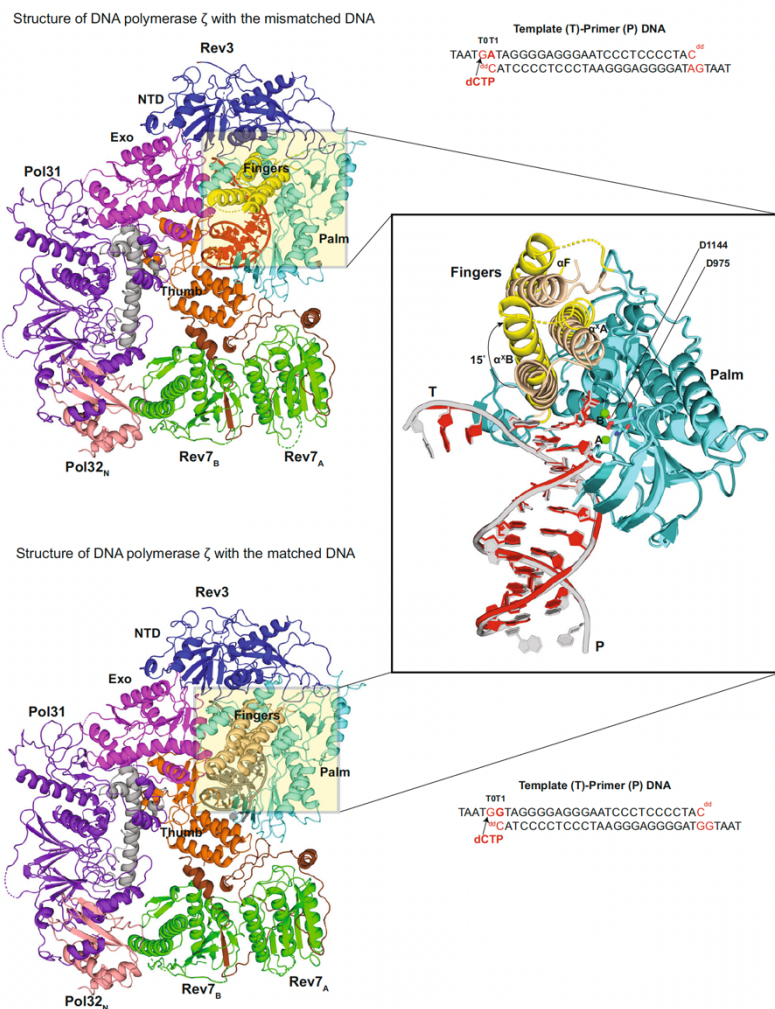
Supplementary Information

Aggarwal Proposal

A. References cited

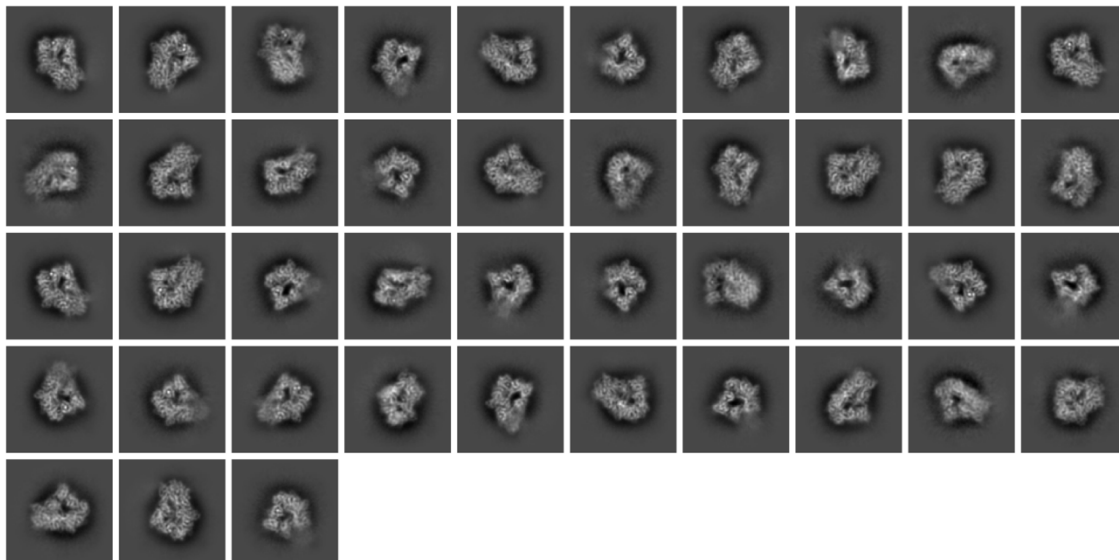
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B. Supplementary Figures – see next page

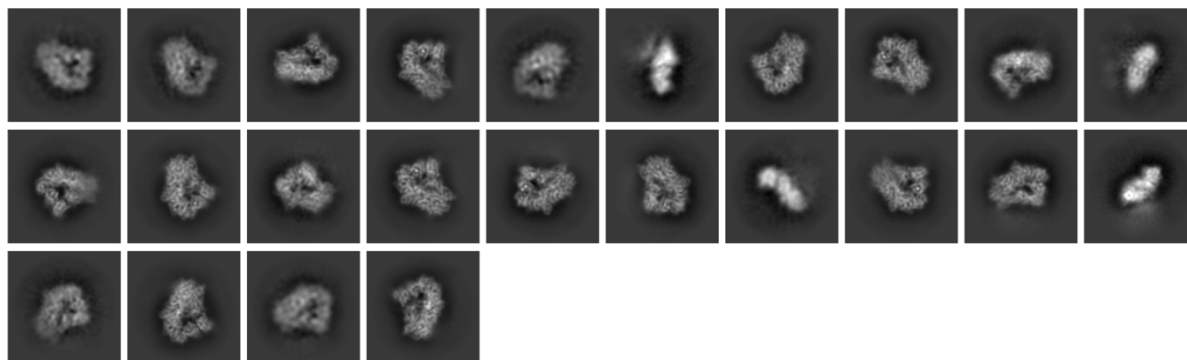


Supplementary Figure 1. Our published cryo-EM structures of Pol ζ holoenzyme with an A:C mismatched (Malik et al. (2022) Nature Comm.) (top) and matched (Malik et al. (2020) Nature Struct. Mol. Biol.) (bottom) DNAs. The figure on the right shows the change in the orientation of the fingers domain in accommodating the A:C mismatch.

Supplementary Figure 2. Some 2-D classes for Pol ζ in complex with a DNA substrate carrying a T:C mismatch. The data were collected on a Krios at SEMC



Supplementary Figure 3. Some 2-D classes for Polζ in complex with a DNA substrate carrying a Abasic lesion. The data were collected on a Krios at NCCAT (under proposal GUP1-AA210623, which has now used up the time allocated).



Supplementary Figure 4. Polζ-Rev1 DNA complex. **Left**, some 2-D classes of the Polζ-Rev1 DNA complex. The data were collected on a Krios at SEMC. **Right**, an ab-initio model of the complex showing extra density that appears to correspond the C-terminal domain of Rev1.

