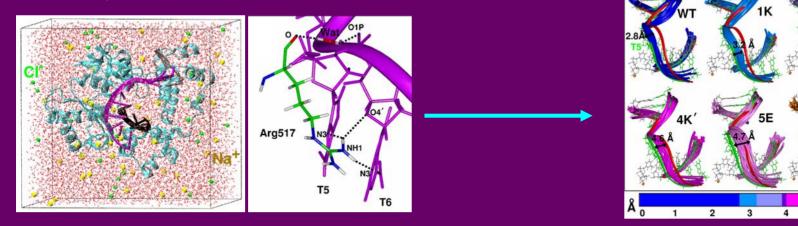
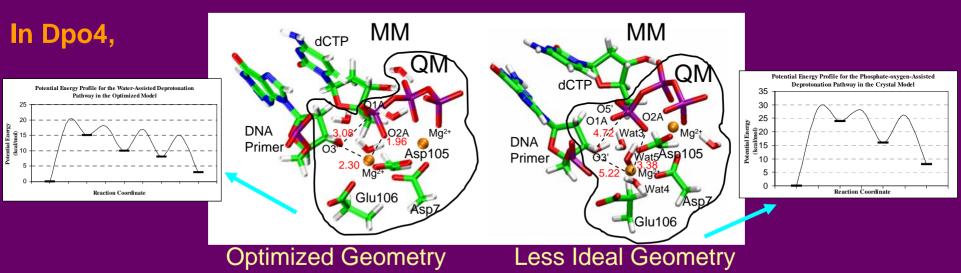
DNA Polymerase Function and Fidelity Depend on Specific Active-site Interactions and Geometry

In Pol λ,



Mutating Arg517 leads to increased DNA motion and higher deletion error rates



Active site organization affects chemical reaction pathways and associated energy barriers