(A)

(B)

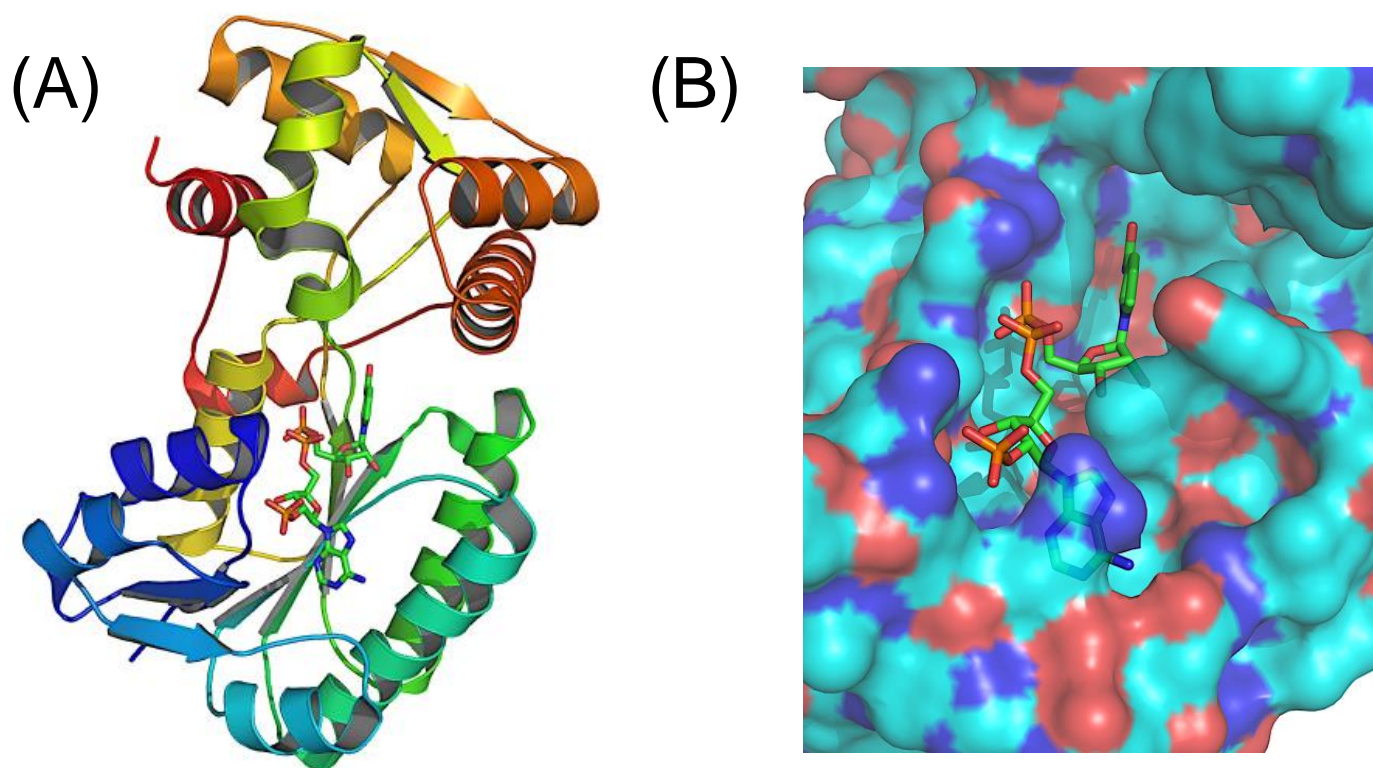**Supplementary Figure 4**: (A) Structural template (PDB code 2JL1) for comparative modeling of ycf39 sequence. (B) NADP (shown as sticks) in the binding pocket of protein (shown as solid surface)