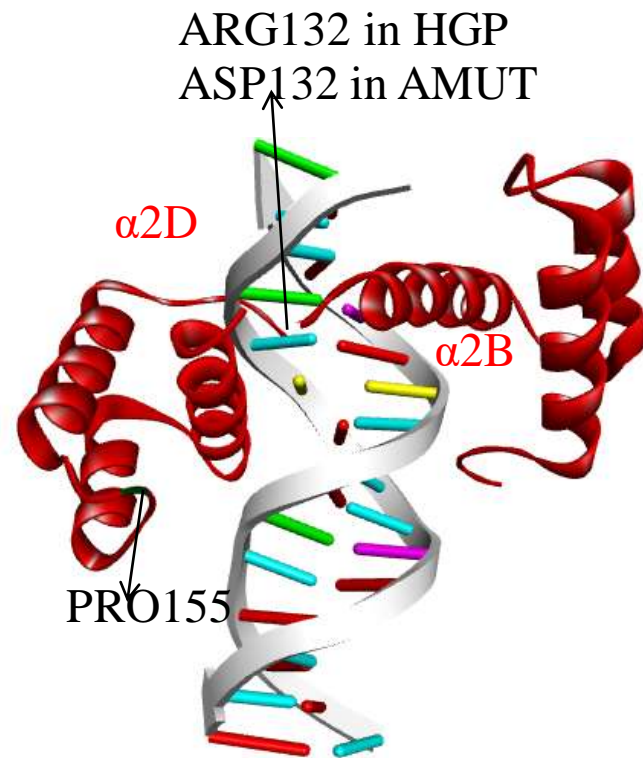
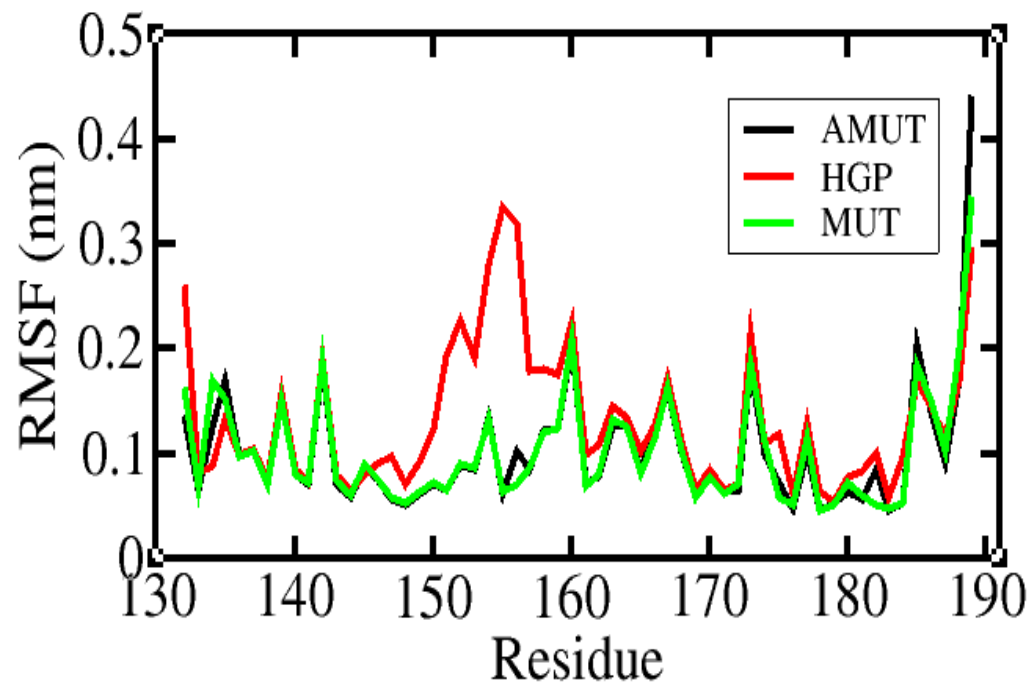
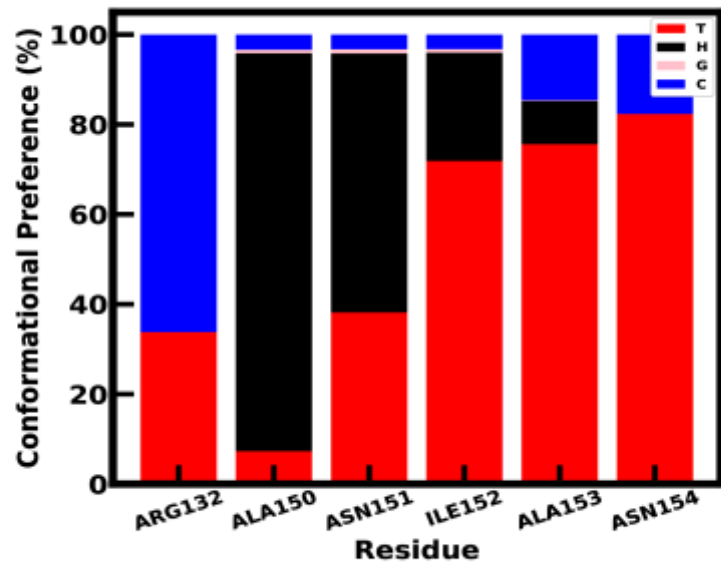


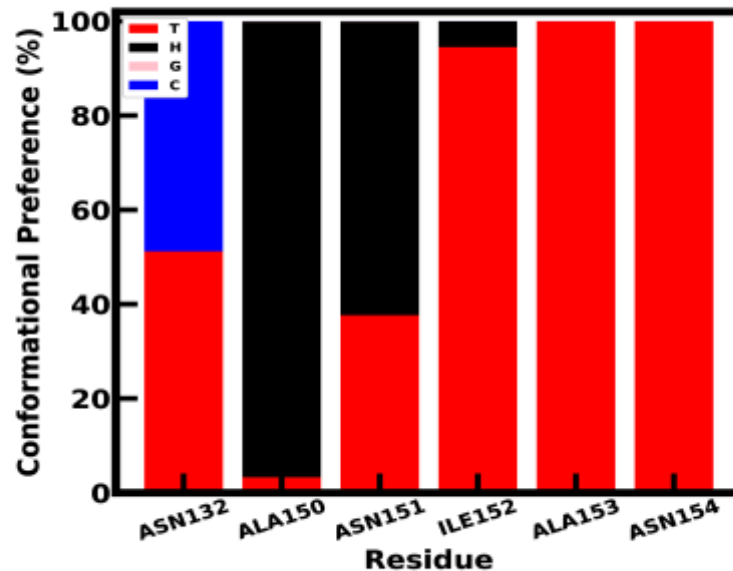
# RMSF of $\alpha 2D$ in HGP, MUT-HGP, AMUT-HGP systems



## Secondary structure preference



T-turn  
H-helix  
G-G-helix  
C-coil



Initially

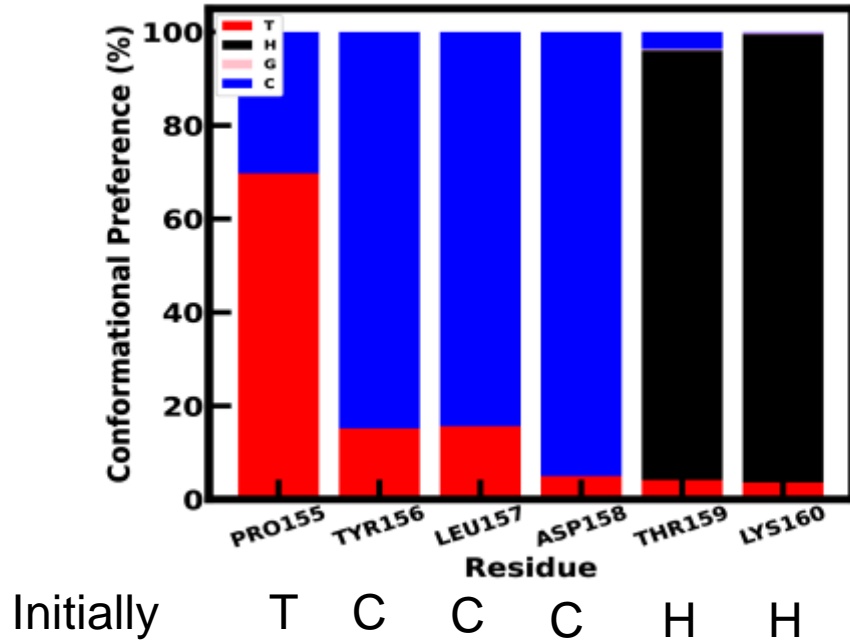
T H H H T T

HGP

T H H T T T

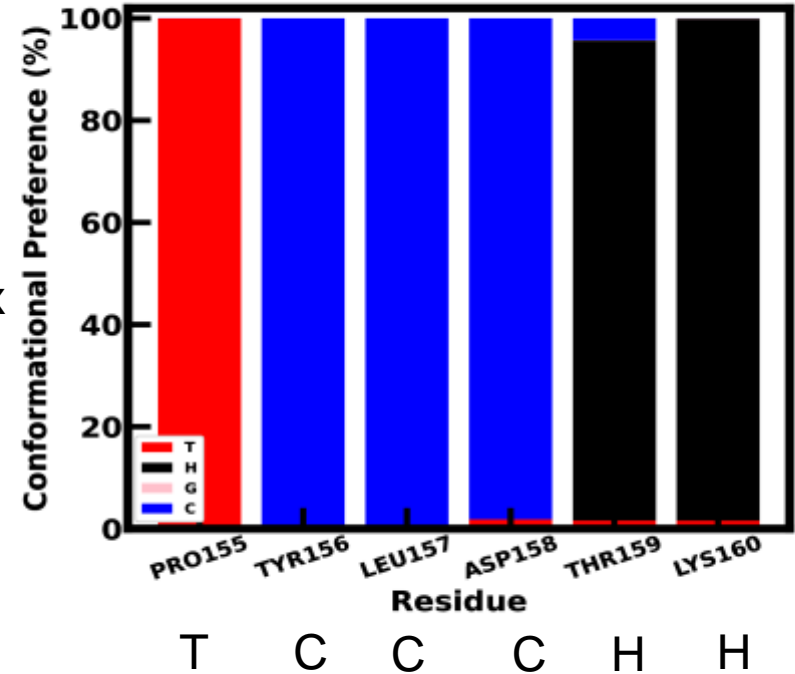
AMUT

## Secondary structure preference continue



HGP

T-turn  
H-helix  
G-G-helix  
C-coil



AMUT

Conclusion: The conformational fluctuations are minimum for 154-156 residues in AMUT system.