

Structural perturbations due to mutation (H1047R) in phosphoinositide-3-kinase (PI3K α) and its involvement in oncogenesis: an *in silico* insight

Jatin Sharma^{1,2#}, Vijay Bhardwaj^{1,2#} and Rituraj Purohit^{*1,2,3}

¹Structural Bioinformatics Lab, CSIR-Institute of Himalayan Bioresource Technology (CSIR-IHBT), Palampur, HP, 176061, India

²Biotechnology division, CSIR-IHBT, Palampur, HP, 176061, India

³Academy of Scientific & Innovative Research (AcSIR), CSIR-IHBT Campus, Palampur, HP, 176061, India

Equal contribution

*Author for correspondence (rituraj@ihbt.res.in)

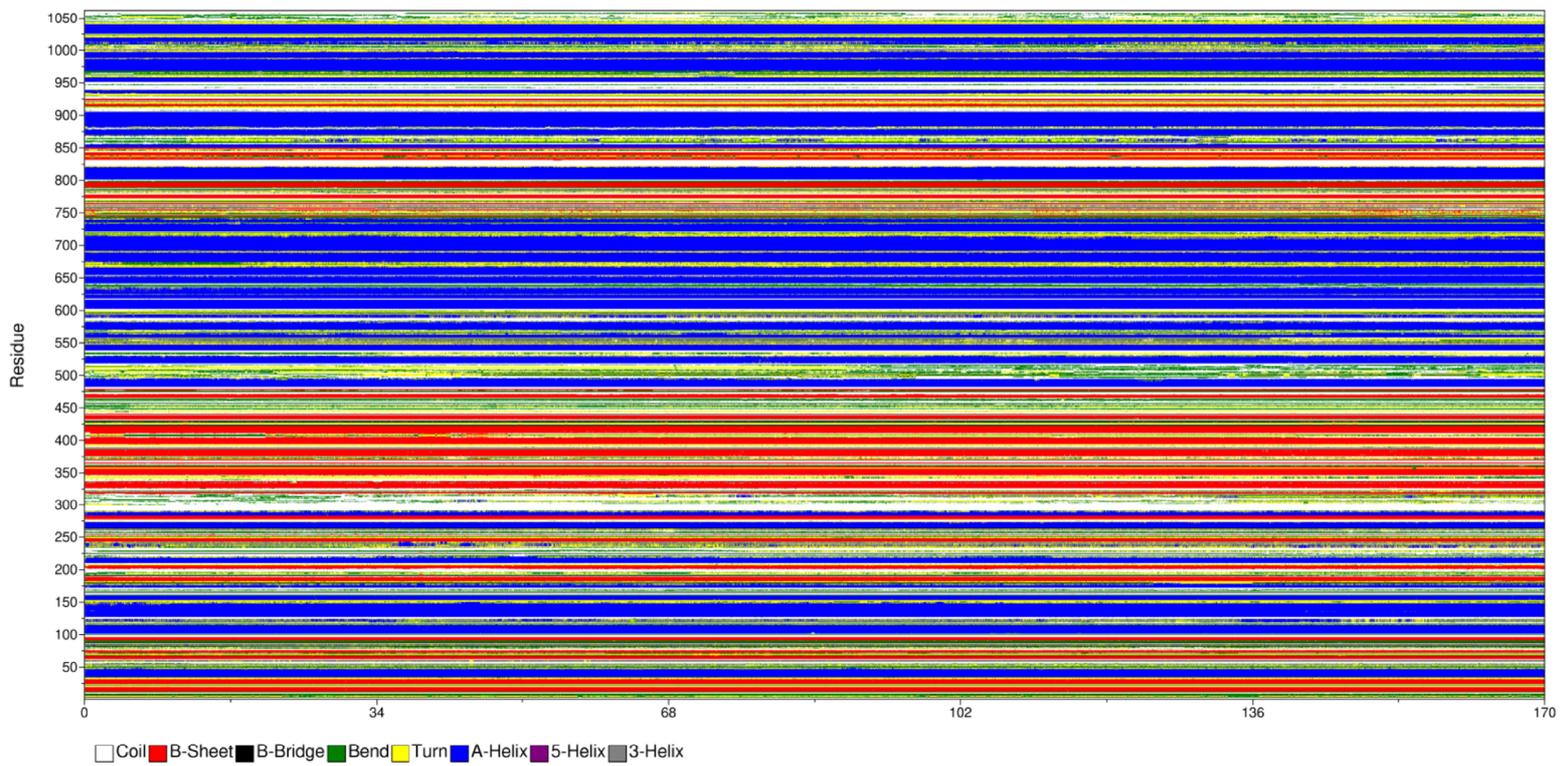


Figure S1. Time evolution of the secondary structural elements of native p110 α protein at 300 k (DSSP classification).

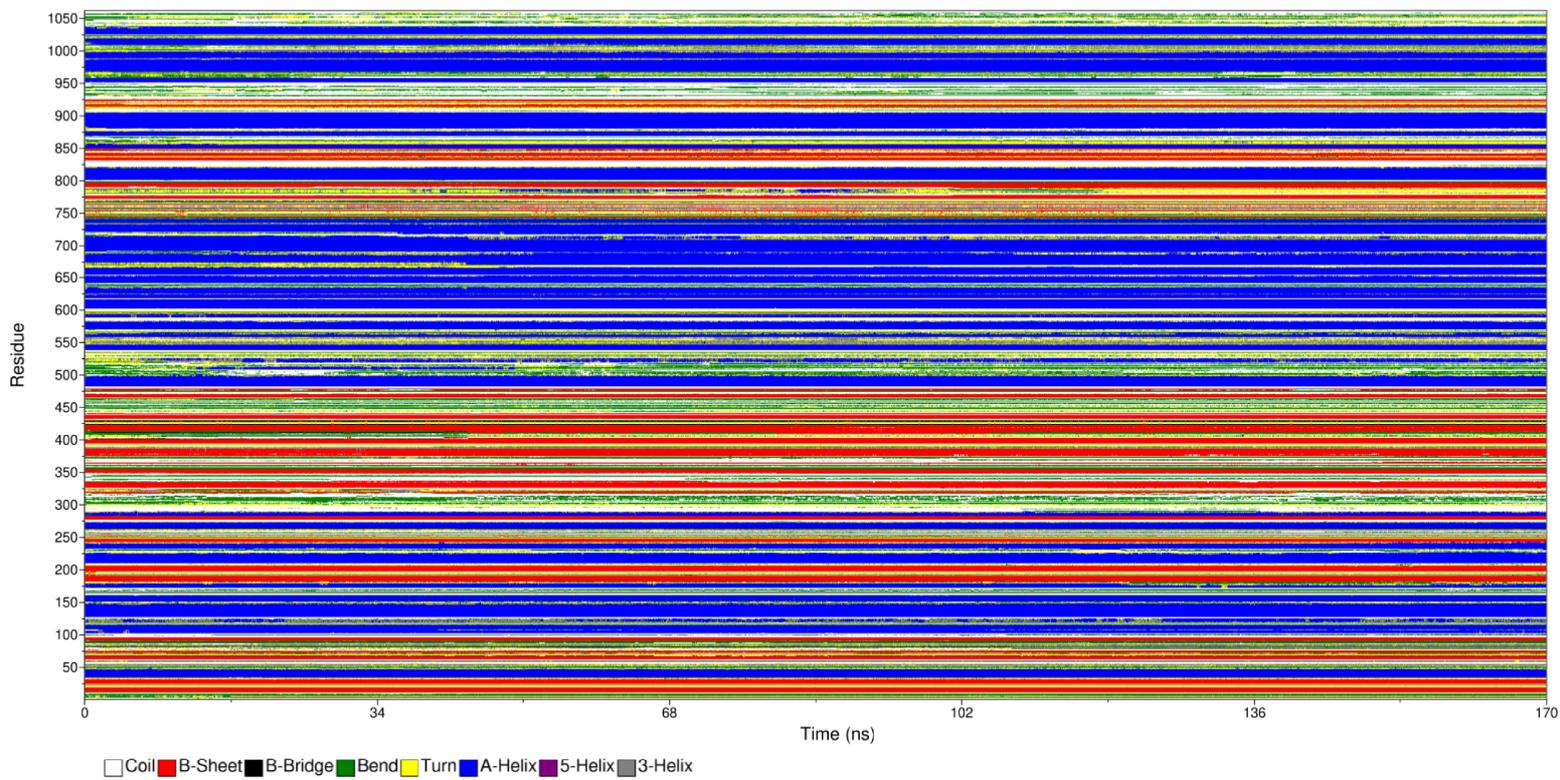


Figure S2. Time evolution of the secondary structural elements of mutant p110 α protein at 300 k (DSSP classification).