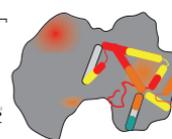
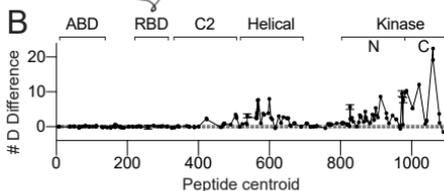
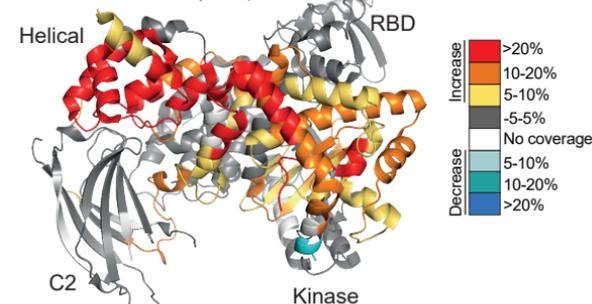
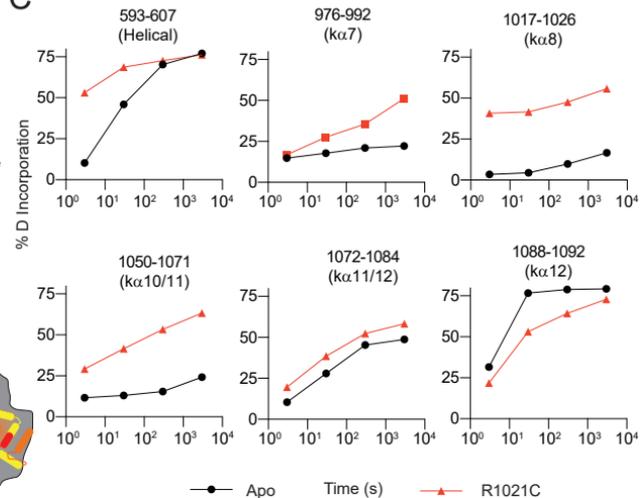


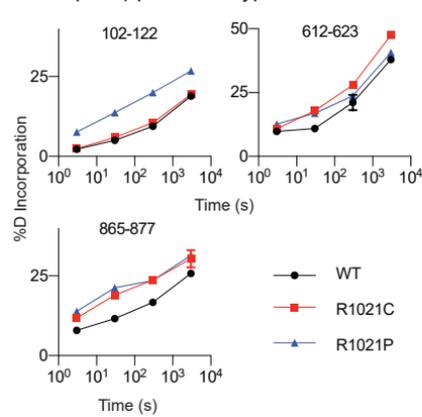
### A Differences between free p110 $\alpha$ and free p110 $\gamma$ R1021C



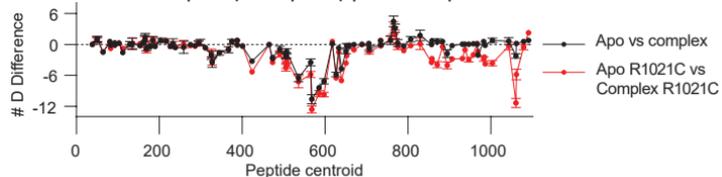
### C



### D Differences in p101 between p110 $\gamma$ /p101 wild-type and mutants



### E Differences between wild-type and mutant free p110 $\gamma$ and p110 $\gamma$ /p101 complex



### F

