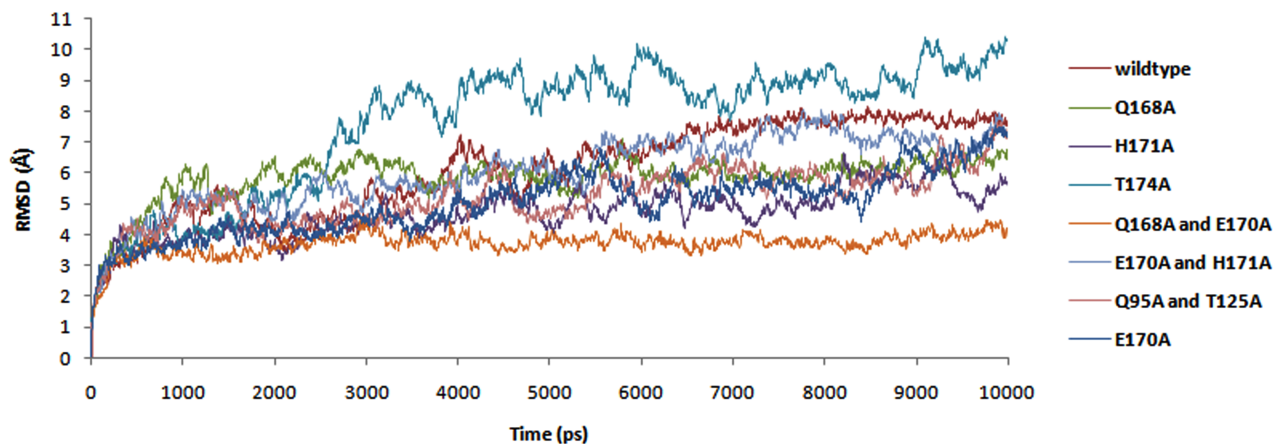


**Figure S1.** RMSD of side chains of wild type and mutant forms during the simulation. (A) RMSD of wild type and mutant forms of IN-LEDGF/p75 complexes. (B) RMSD of only LEDGF/p75 in wild type and mutant forms of IN-LEDGF/p75 complexes through 10 ns MD simulations.



**Table S1.** Summary of model systems for MD simulations.

IN-LEDGF/p75 complex models	No. of Atoms	Time
Wild type	70,729	10 ns
Single mutant form (Q168A)	70,797	10 ns
Single mutant form (E170A)	70,339	10 ns
Single mutant form (H171A)	70,764	10 ns
Single mutant form (T174A)	70,348	10 ns
Double mutant form (Q168A and E170A)	70,785	10 ns
Double mutant form (E170A and H171A)	70,775	10 ns
Double mutant form (Q95A and T125A)	70,724	10 ns