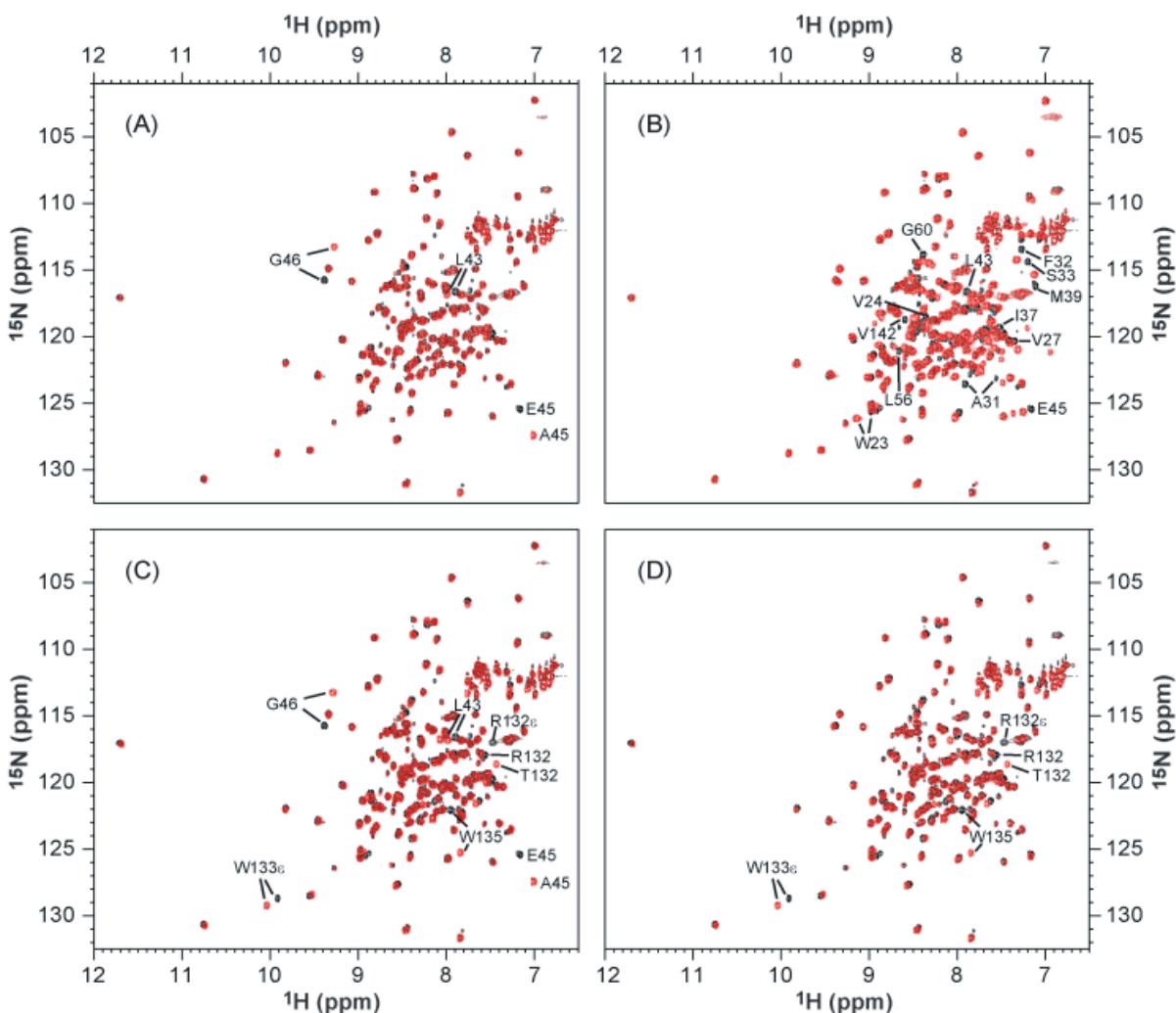




Information for Additional File 1: Figure showing monitoring of structural perturbations of CA-NTD caused by mutations with ^1H - ^{15}N HSQC NMR. Superimposed ^1H - ^{15}N HSQC spectra of ^{15}N -labeled wild-type (black) and mutants (red), E45A (A), P38A (B), E45A/R132T (C) and R132T (D). The peaks showing substantial perturbation due to the mutation are labeled with assignments.