

Figure S1

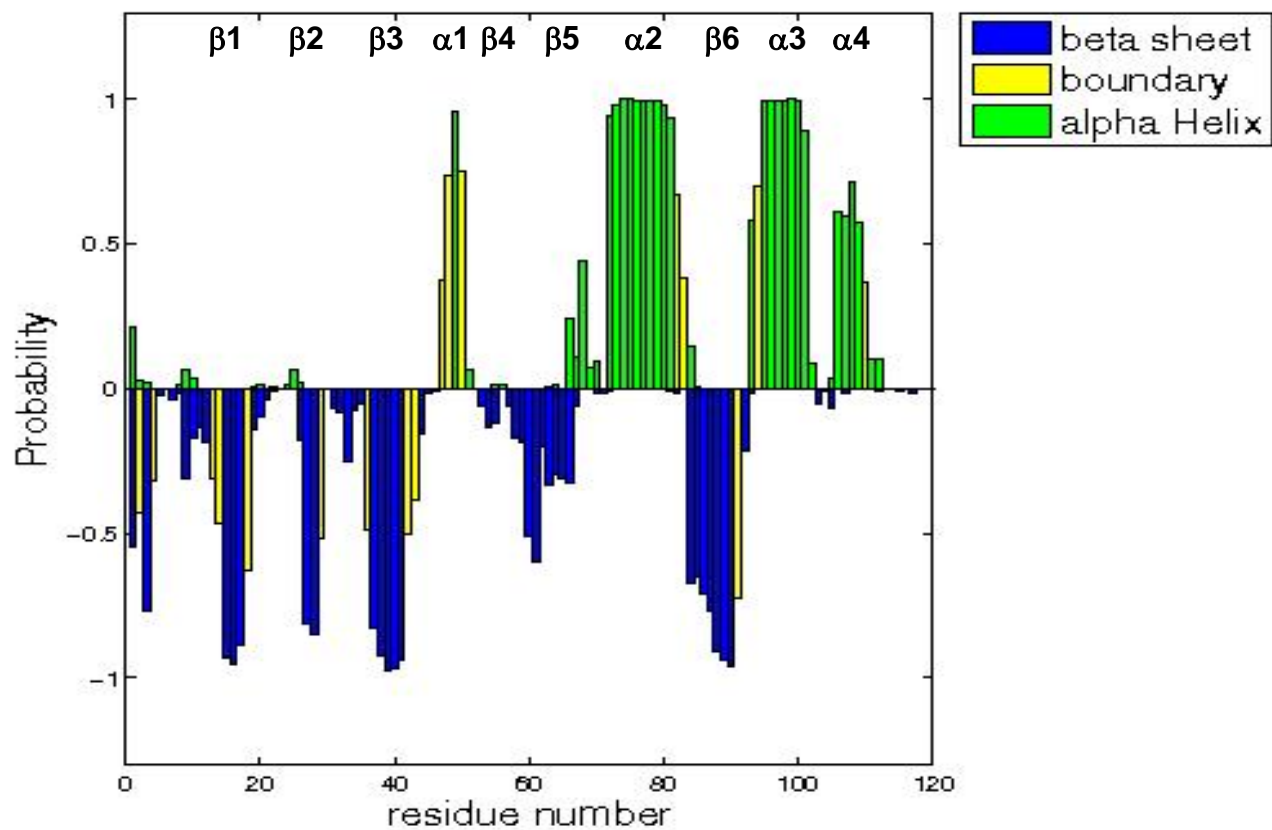


Figure S1: (A) Chemical Shift Index of mutant PDZ1¹²⁰ (Glu61->Gly61) obtained from PECAN analysis.

Figure S2

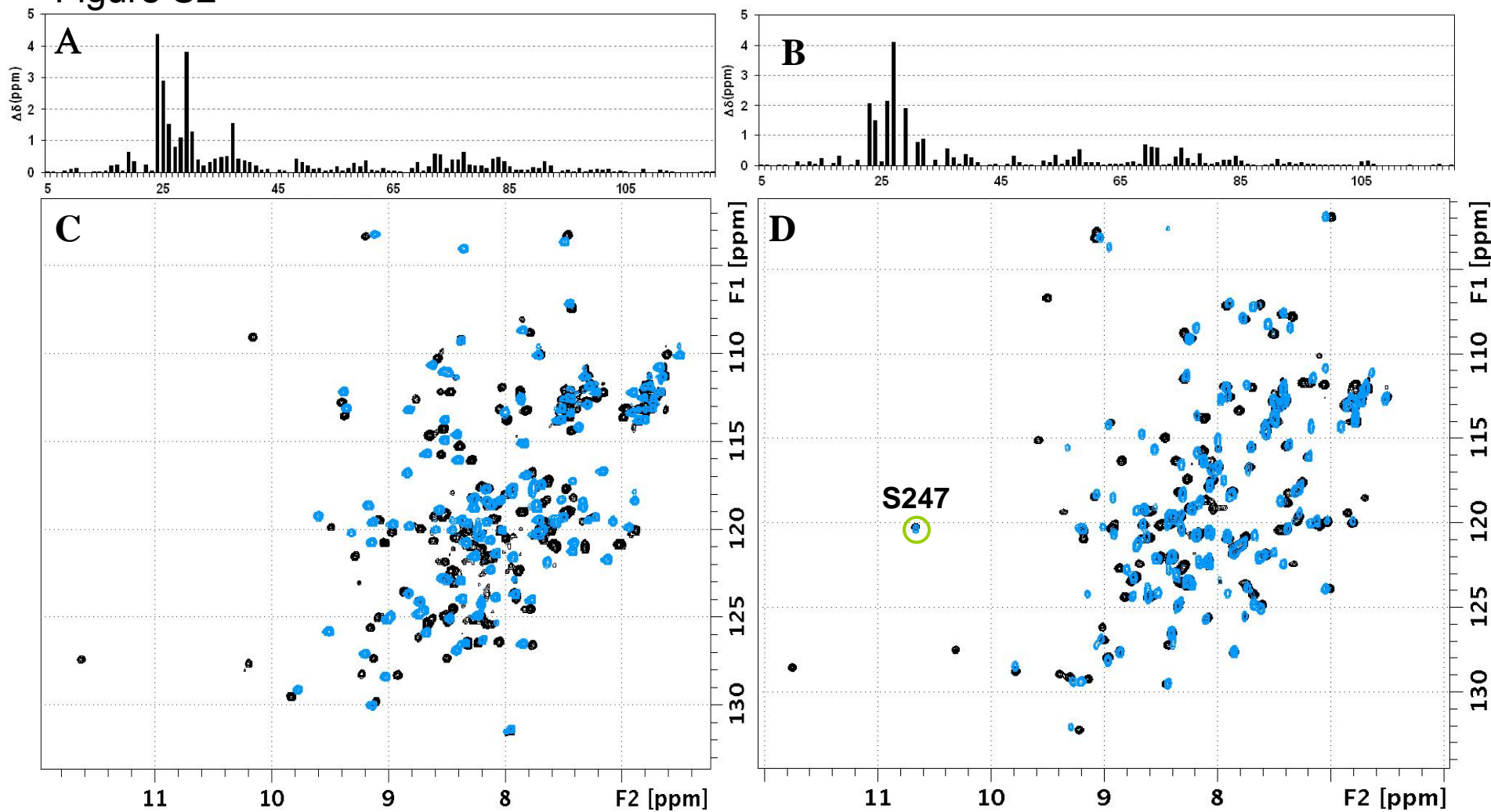


Figure S2: Chemical shift difference plot between the free and CFTR-C peptide bound (A) PDZ1¹²⁰ and (B) PDZ2²⁷⁰ domains. The weighted difference was calculated using the relation $\Delta = \sqrt{(\delta\text{HN})^2 + (\delta\text{N}/5)^2}$. Corresponding overlay of ^{15}N -HSQC spectra: (C) PDZ1¹²⁰ and (D) PDZ2²⁷⁰ domain in the presence (black) and absence of CFTR-C peptide (blue) at 288 K. Typical protein concentrations are 400 μM complexed with 1-2 fold excess peptides in buffer at pH 7.5.

Figure S3

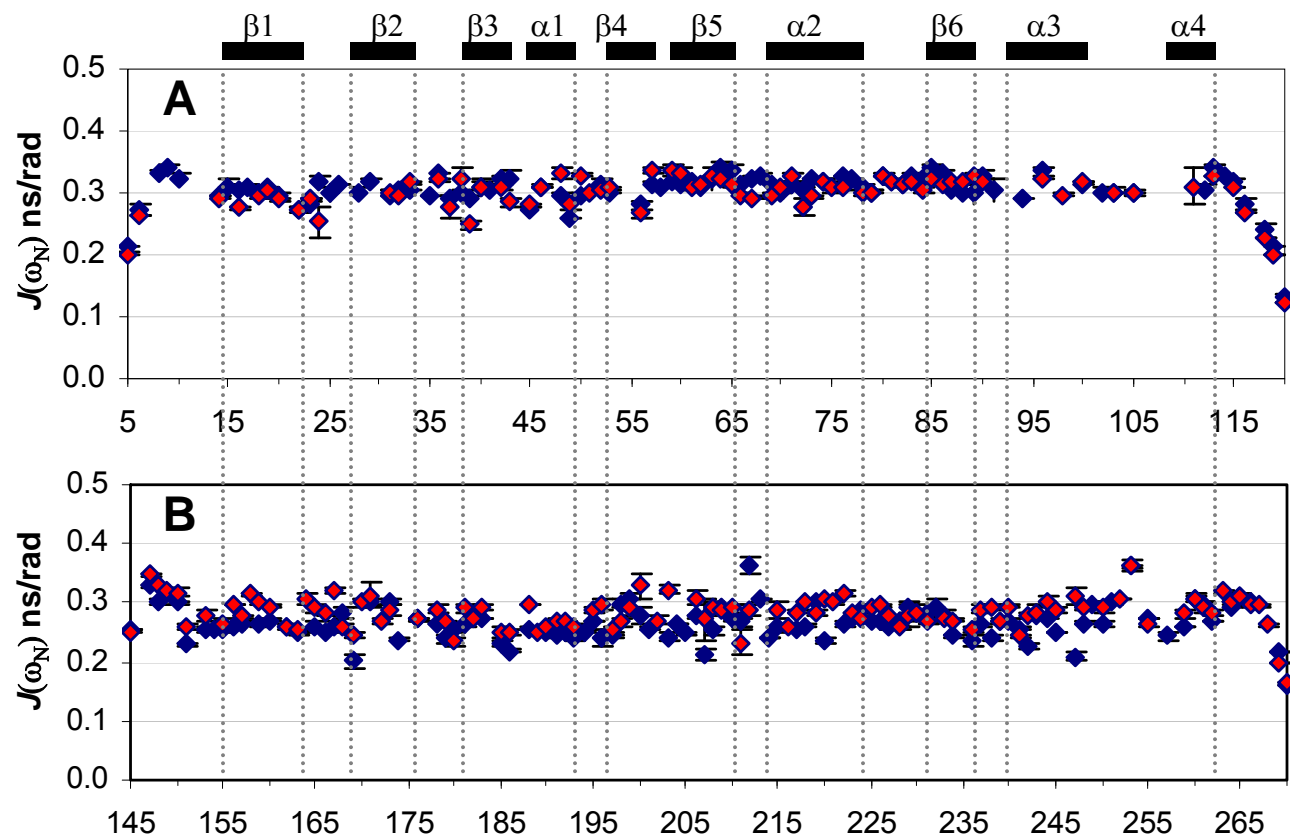


Figure S3: Spectral density function of apo (A) PDZ1¹²⁰ and (B) PDZ2²⁷⁰ domain at nitrogen frequency, $J(\omega_N)$, calculated from relaxation measurements at 500 MHz in the presence (red) and absence of CFTR-C peptide (blue).

Figure S4

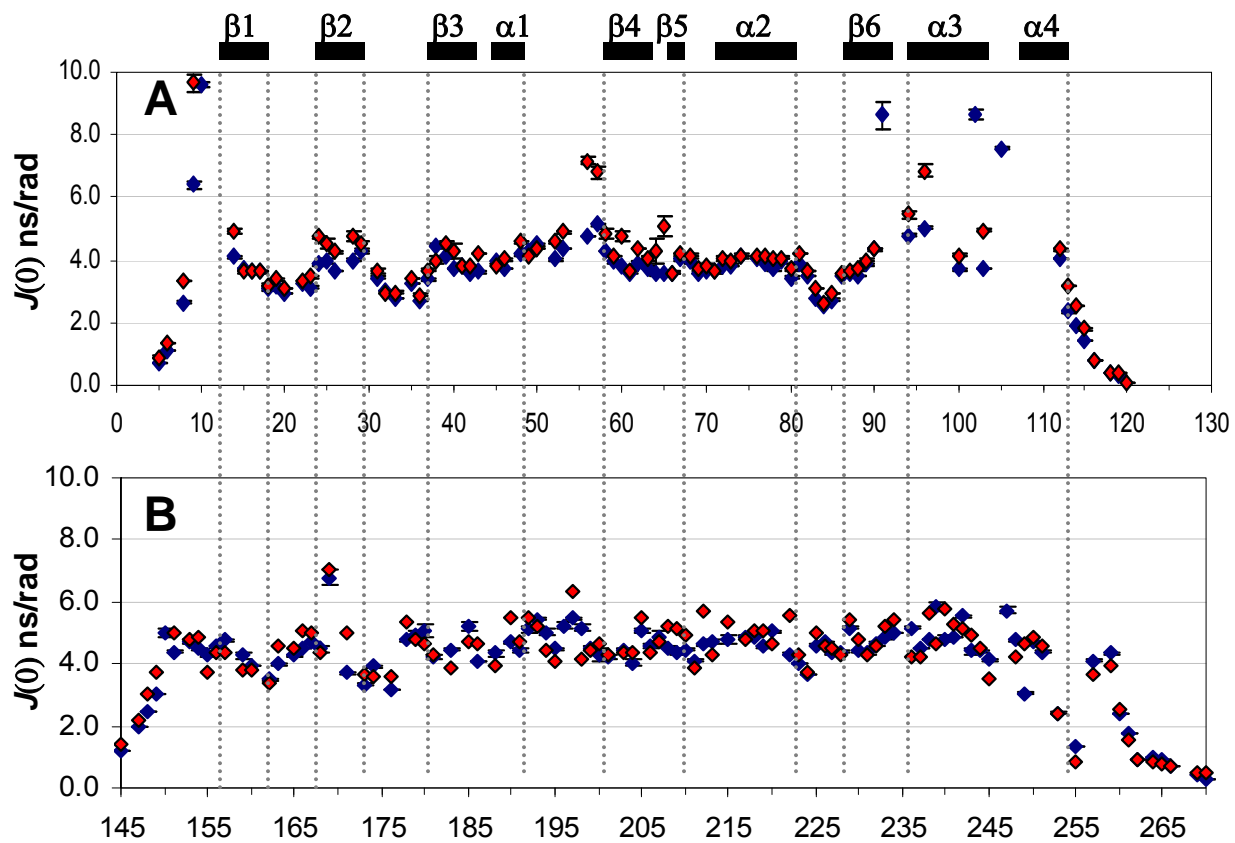


Figure S4: Spectral density function of apo (A) PDZ1¹²⁰ and (B) PDZ2²⁷⁰ domain at zero frequency, $J(0)$, calculated from relaxation measurements at 500 MHz (blue) and 900 MHz (red).

- Position weight matrices calculated from protein sequence at website (<http://sbi.postech.ac.kr/pdz/>) authored by Sanguk Kim.

