

Supplemental Figure S6: Residual Dipolar Coupling

(A) Graph showing experimental one-bond RDCs values plotted against the residue numbers. RDCs were measured at 30°C, in the absence of magnesium. (B) Graph showing experimental one-bond RDCs values plotted against the residues numbers. RDCs were measured at 30°C, in the presence of 3 mM magnesium. (C) Graph showing the difference between experimental one-bond RDCs measured at 30°C, in the absence and with 3 mM magnesium. Error bars were calculated from the accuracy of the measured coupling constants estimated at \pm 6.8 Hz, \pm 2.8 Hz and \pm 3.8 Hz for ${}^{1}D_{C-H}$ (aromatic), ${}^{1}D_{C-H}$ (ribose) and ${}^{1}D_{N-H}$, respectively.