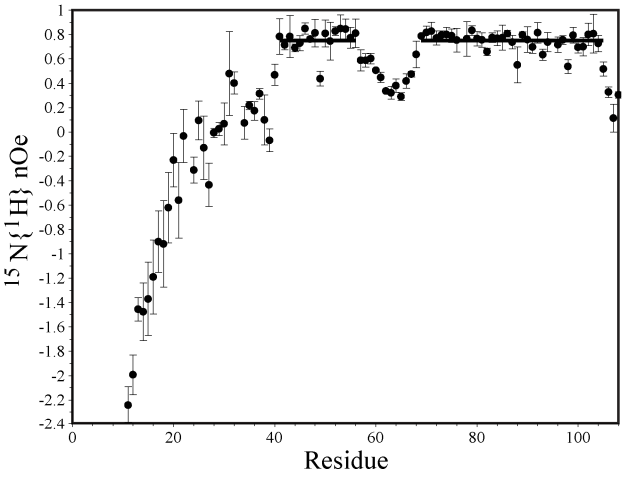
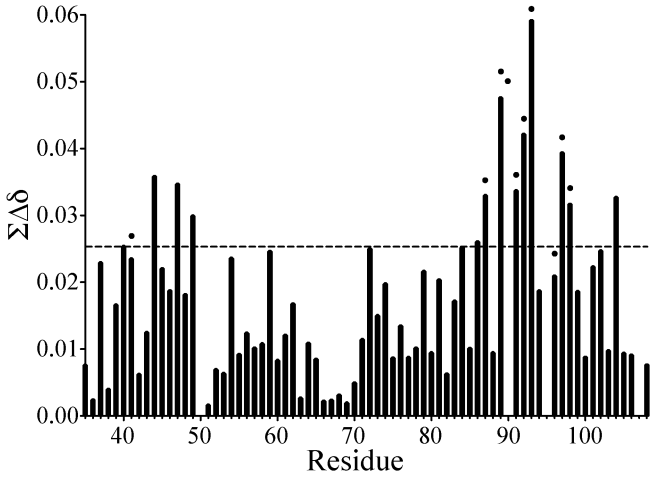
Supplementary Figure 1



Supplementary Figure 1. ^{15}N{^{1}H} heteronuclear NOE values for sRbx1$^{12\text{-}108}$. The average ^{15}N{^{1}H} NOE determined from triplicate measurements at 600 MHz are shown as filled circles with error bars (± standard deviation). The solid lines represent the average NOE (0.75) determined for the folded regions of Rbx1/ROC1 (N40-C56, T69-K105). Residues G18-V39 show near zero or negative NOE values showing that the *N*-terminus of Rbx1/ROC1 is flexible and disordered.

Supplementary Figure 2



Supplementary Figure 2. Histogram of amide chemical shift perturbations for ^{15}N-labeled sRbx1$^{12-108}$ associated to CDC34–Ub^{Cys} complex. The amide chemical shift changes for each residue in sRbx1$^{12-108}$ were determined using the spectra shown in Figure 3B and the equation $\Sigma\Delta\delta = |(\Delta\delta 1H)| + |(0.2)*(\Delta\delta 15N)|$. The dotted line indicates the threshold used to determine residues that experience significant chemical shift changes (0.026 ppm). Residues that also demonstrated intensity changes or line broadening are highlighted (•).