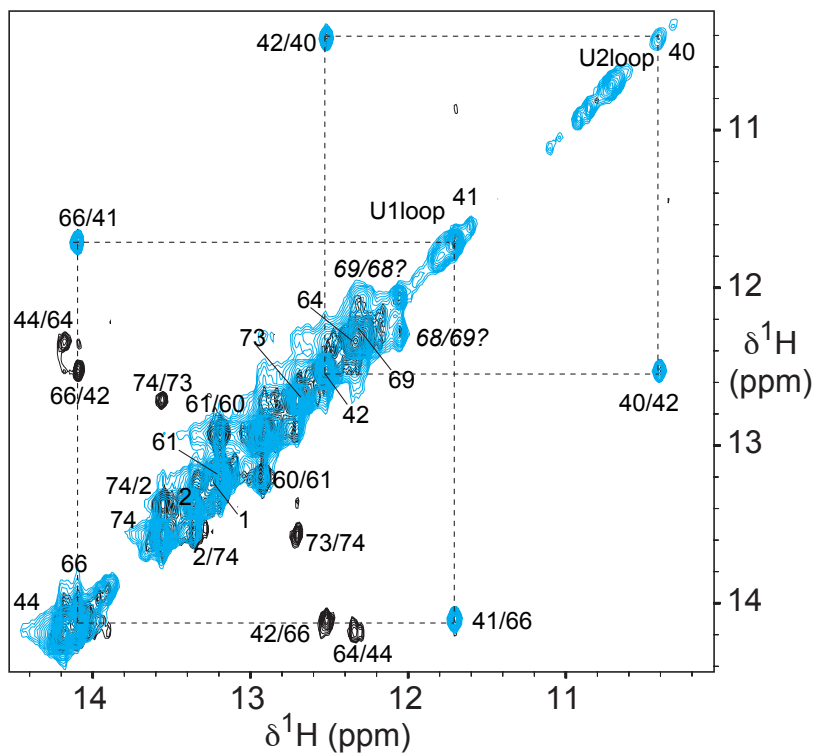
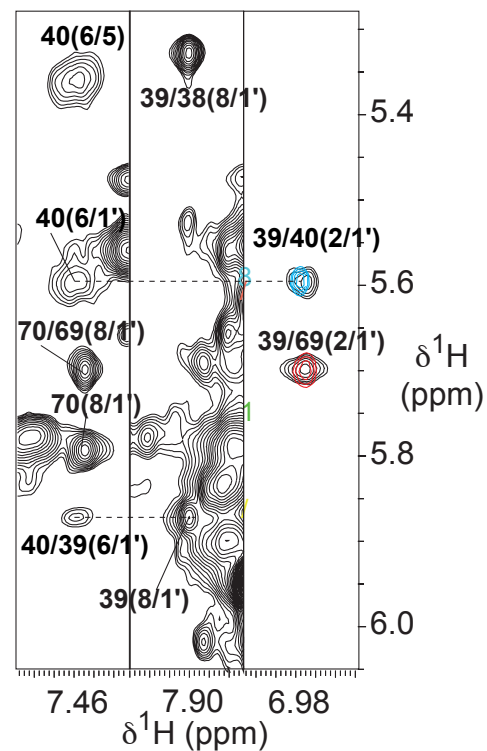
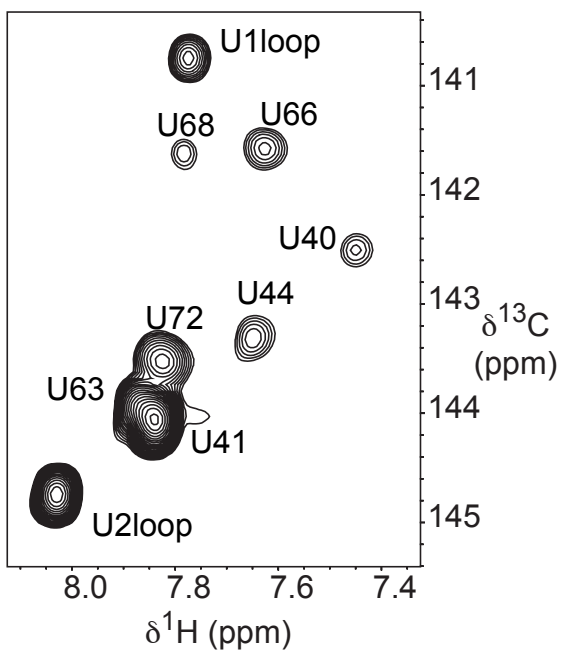
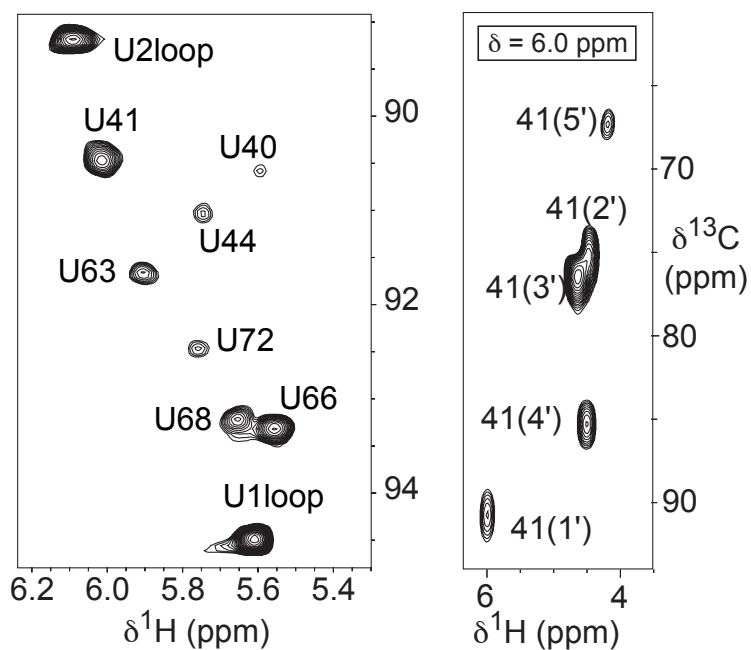


(A)**(B)****(C)****(D)**

Supplemental Figure 5

Supplemental Figure S5: Assignment of U40 and U41 residues in HPI-a construct

(A) Imino/imino protons region recorded at 10°C in 90/10 H₂O/D₂O with mixing times of 50 ms (blue) and 400 ms (black). (B) Zooms of NOESY experiment recorded at 30°C in 99.9% D₂O, with a mixing time of 400 ms. In the lane 3, a zoom of filtered-NOESY experiment recorded on a selectively labeled [¹³C/¹⁵N-U] HPI-a is shown in red. A zoom of filtered-NOESY experiment recorded on a selectively labeled [¹³C/¹⁵N-G] HPI-a is shown in blue. Sequential NOEs involving U40 and A39 are shown. (C) ¹H-¹³C HSQC spectrum showing the aromatic H8-C8 for selectively labeled [¹³C/¹⁵N-U] HPI-a, recorded at 30°C in 99.9% D₂O. (D) On the left: ¹H-¹³C HSQC spectrum showing the sugar H1'-C1' for selectively labeled [¹³C/¹⁵N-U] HPI-a recorded at 30°C in 99.9% D₂O. On the right: plane extracted at δ(41-H1') = 6.0 ppm from a 3D-HCCH-TOCSY recorded at 30°C, in 99.9% D₂O.