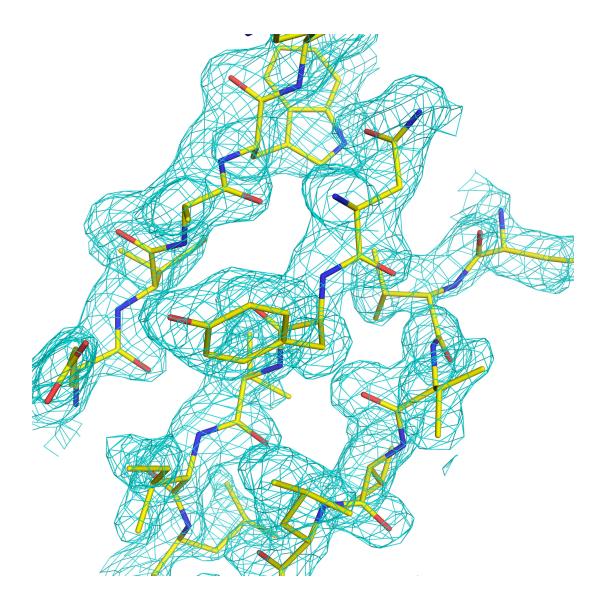
## SUPORTING INFORMATION



**Figure S1.** 2Fo-Fc electron density map calculated from experimental phases (contour level  $1.2\sigma$ ). The PaNip7 refined model is superposed to the experimental map, showing a region of the  $\beta$ 9,  $\beta$ 8 and  $\beta$ 10 strands of the PUA (from left to right). Tyrosine 97 is shown in the center.