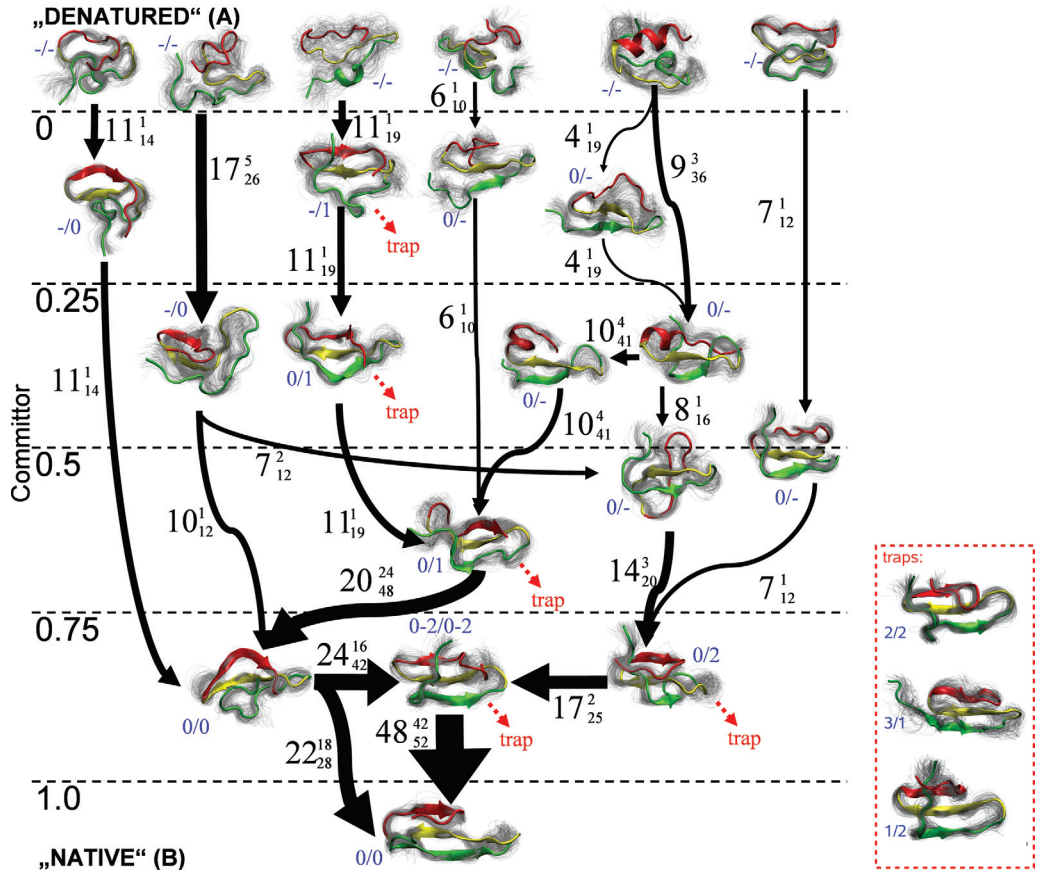

Fig. 3. PinWW folding flux. (*Left*) The network of the 70% most relevant folding pathways for PinWW. The numbers on the left indicate the committor probabilities, the thickness of the arrow indicates the flux of folding trajectories between each pair of conformations. For each conformation, a representative mean structure is shown in color along with an overlay of equilibrium-distributed structures from that conformation indicating the structural flexibility (gray cloud). The numbers next to the arrows give the normalized net flux (large number) and the 80% confidence-interval limits (small numbers) in percentages. The blue numbers next to the structures indicate whether the first/second hairpin has the native register (0), is register-shifted by one or two residues (1,2) or is not formed at all (-). (*Lower Right*) Register-shifted trap states that do not carry significant folding flux but reduce the folding speed by nearly a factor of 2.