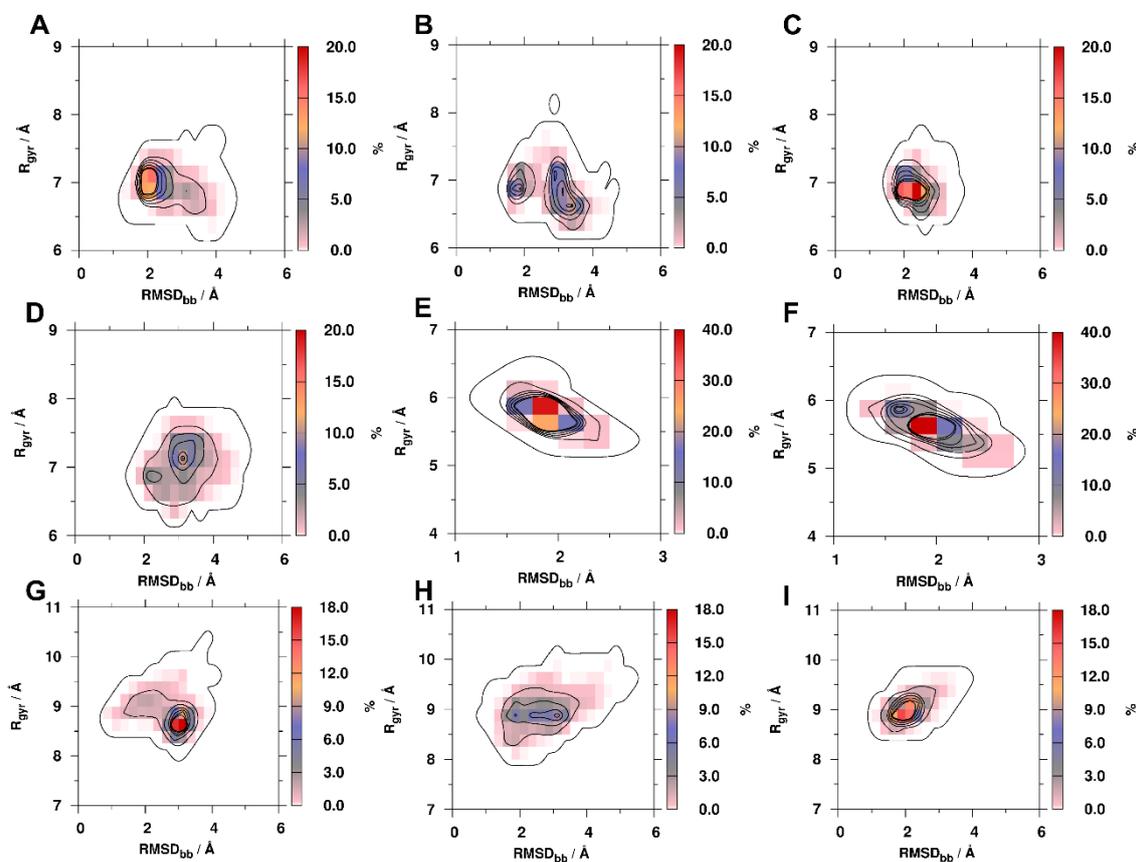
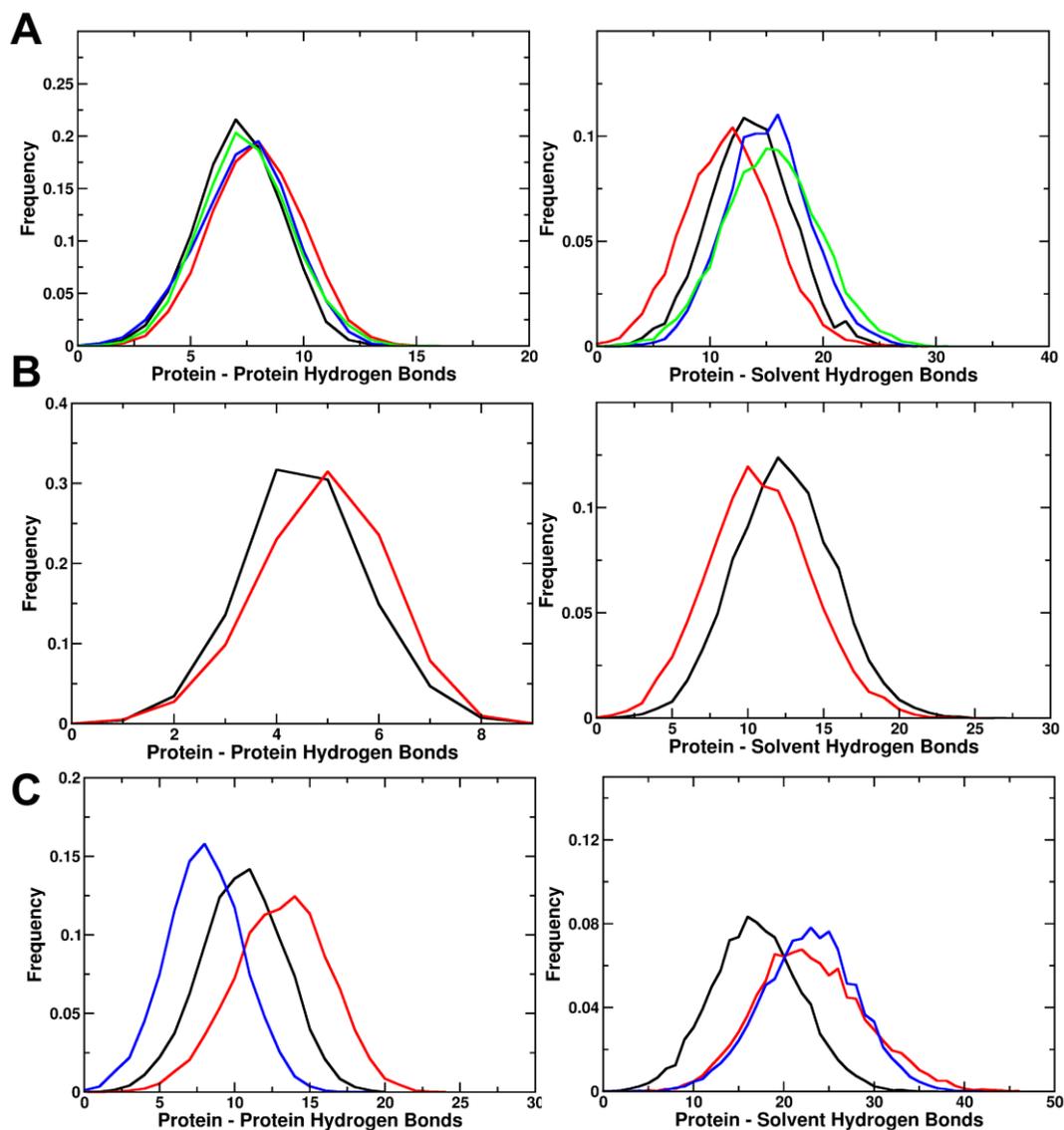


# Supplementary Materials: Protein Stability and Unfolding Following Glycine Radical Formation

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**Figure S1.** The Rgyr-RMSD density plots of the Trp cage (A), Trp cage  $C_{\alpha}$ -centered Gly radical in place of Gly10 (GLR10) (B), Trp cage(GLR11) (C), Trp cage(GLR15) (D), Trp zipper (E), Trp zipper(GLR6) (F), the villin headpiece (G), villin(GLR11) (H) and villin(GLR33) (I).



**Figure S2.** The number of protein-protein hydrogen bonds (left panel) and protein-solvent hydrogen bonds (right panel). Row **A** contains the data for the Trp cage (in black), Trp cage(GLR10) (in red), Trp cage(GLR11) (in red), Trp cage(GLR15) (in blue). Row **B** contains data for the Trp zipper (in black), Trp zipper(GLR6) (in red). Row **C** contains data for the villin headpiece (in black), villin(GLR11) (in red) and villin(GLR33) (in blue).