

Electronic Supplementary Information

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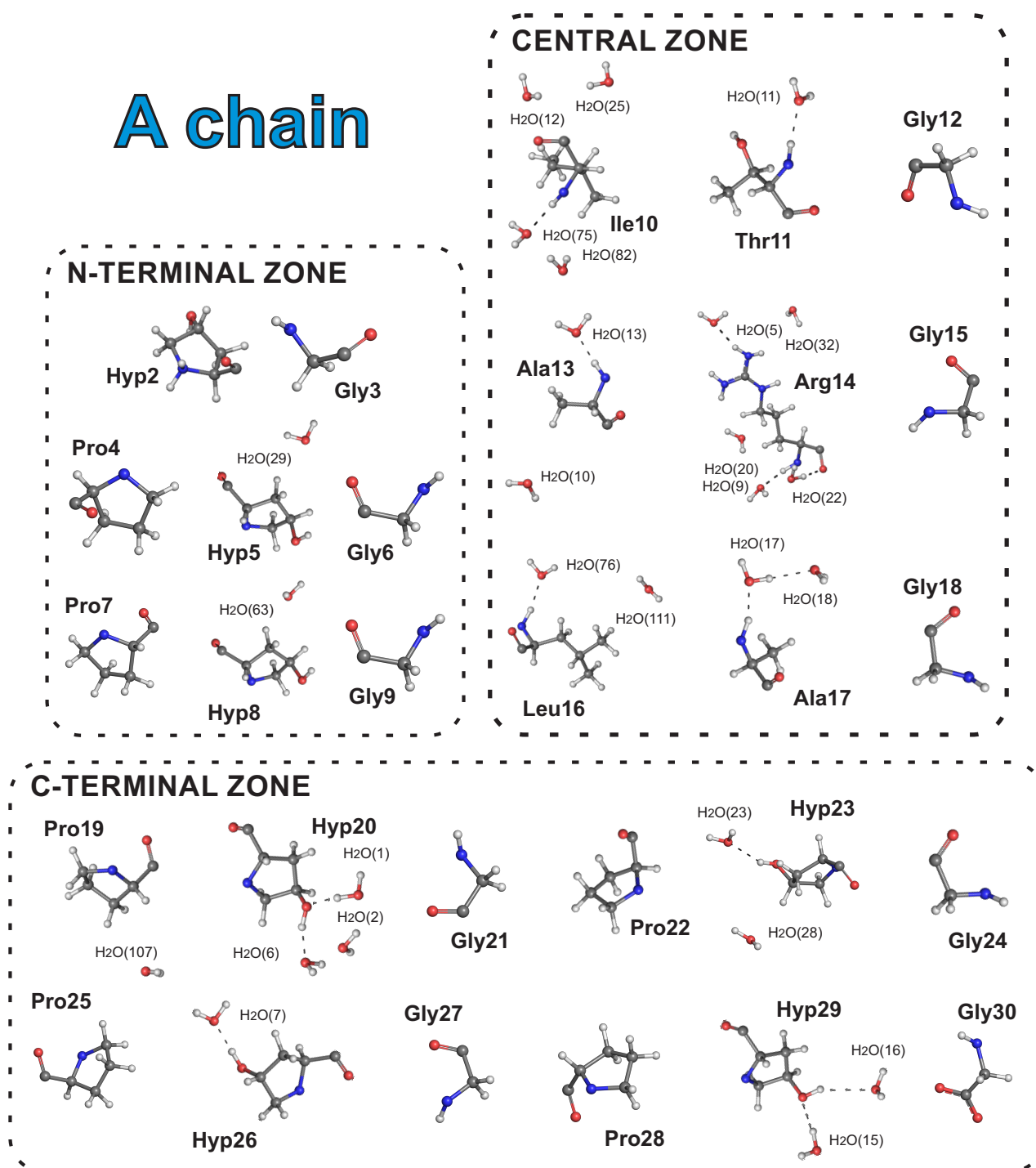


FIG. ES1: (color online) Identification of the amino acids comprising the A-chain of the collagen-like peptide T3-785.

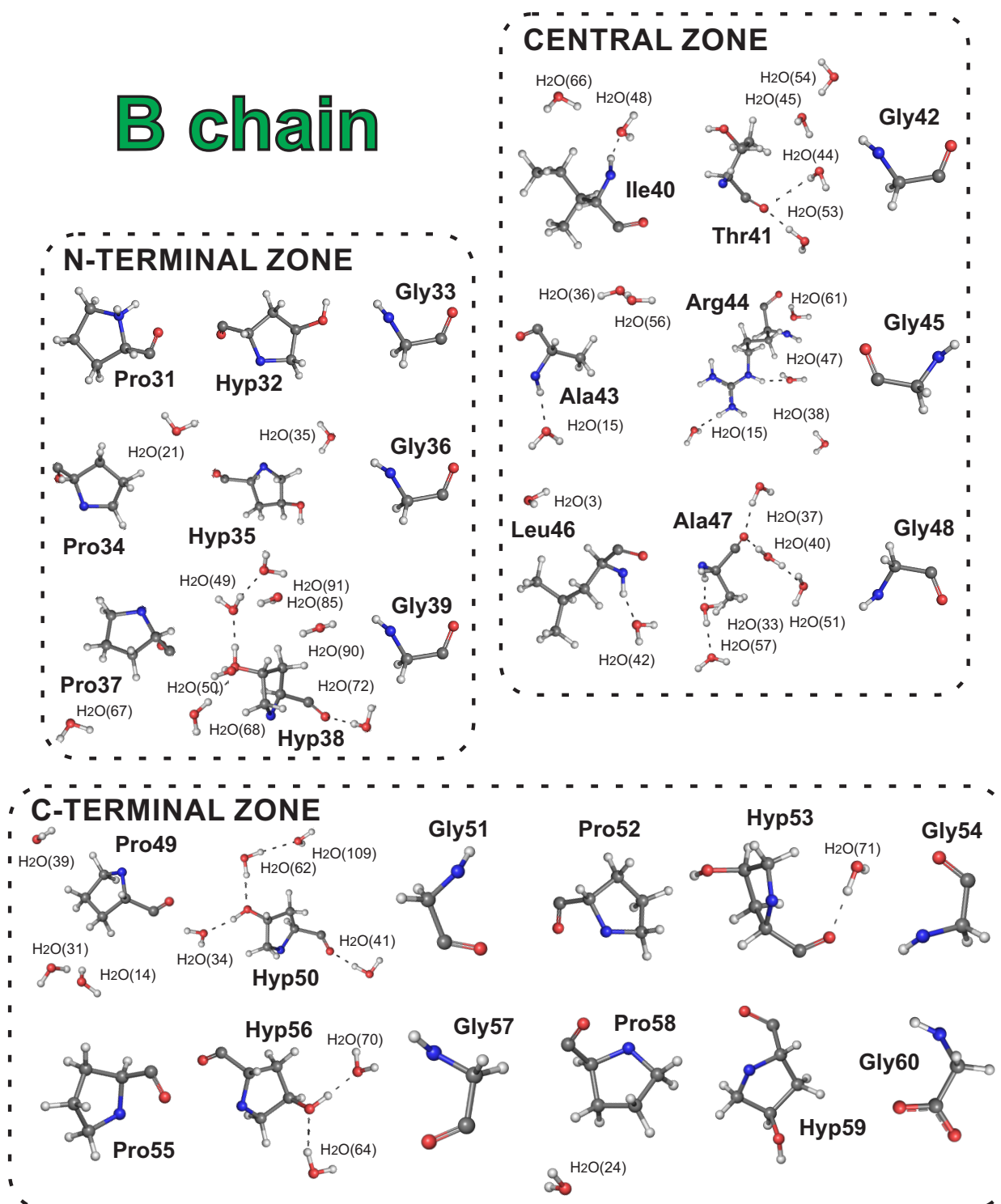


FIG. ES2: (color online) Identification of the amino acids comprising the B-chain of the collagen-like peptide T3-785.

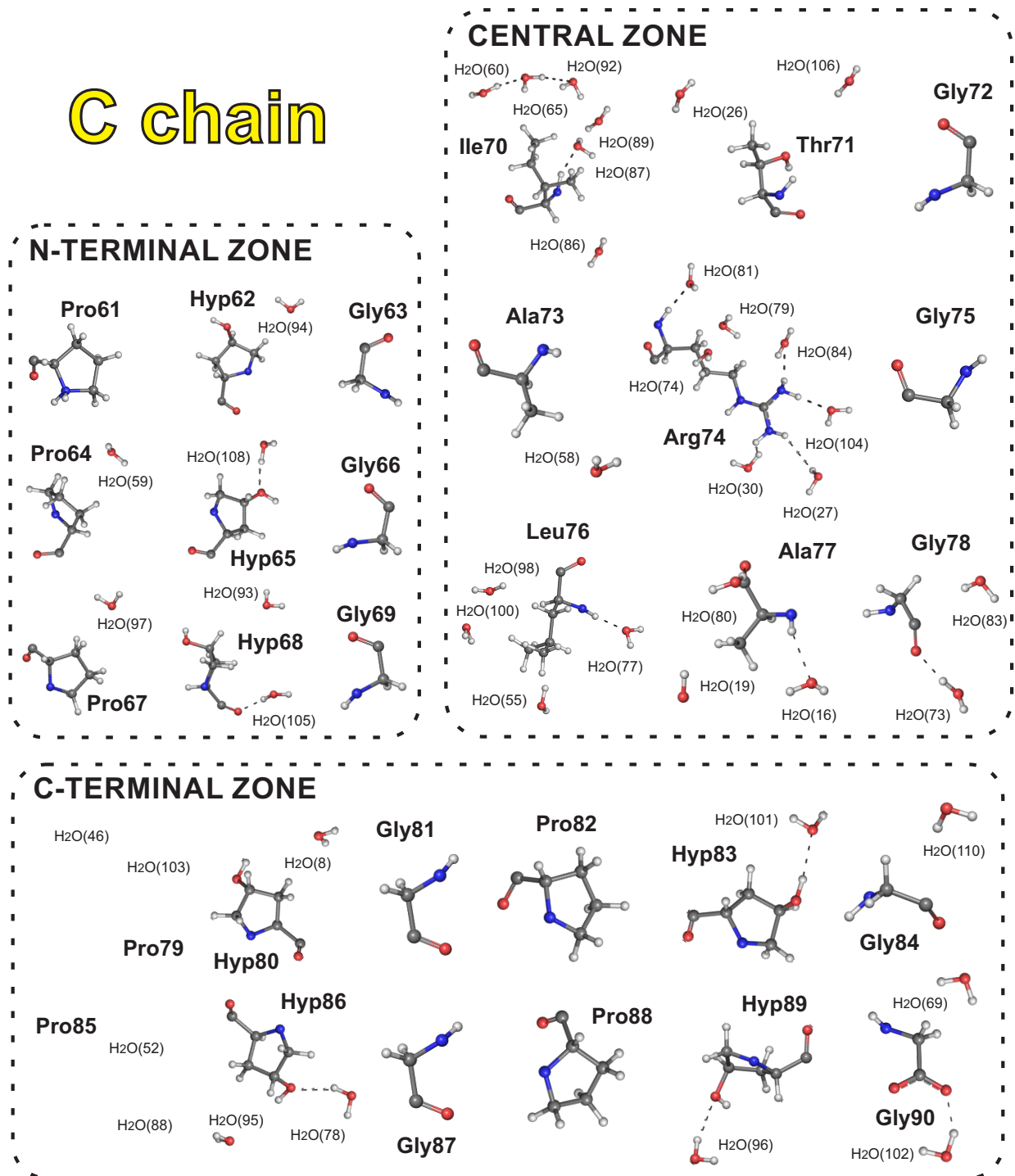
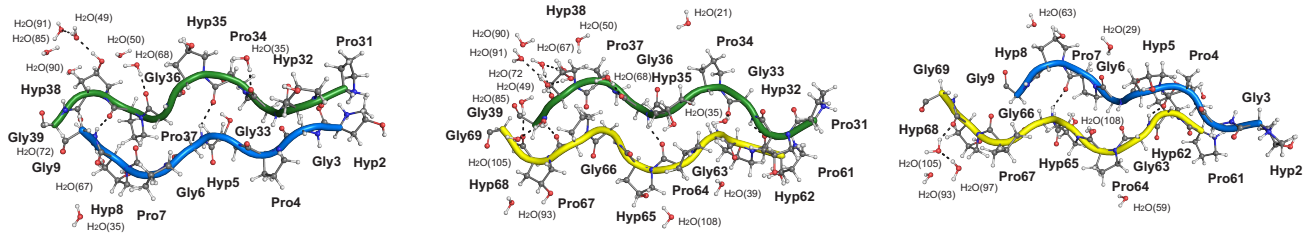
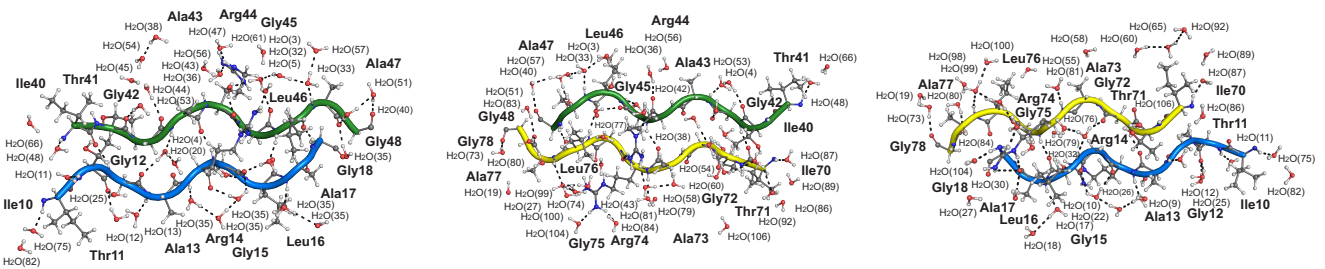


FIG. ES3: (color online) Identification of the amino acids comprising the C-chain of the collagen-like peptide T3-785.

N-TERMINAL ZONE



CENTRAL ZONE



C-TERMINAL ZONE

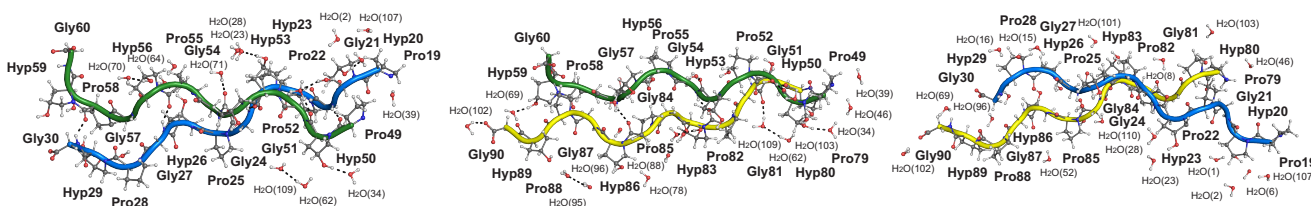
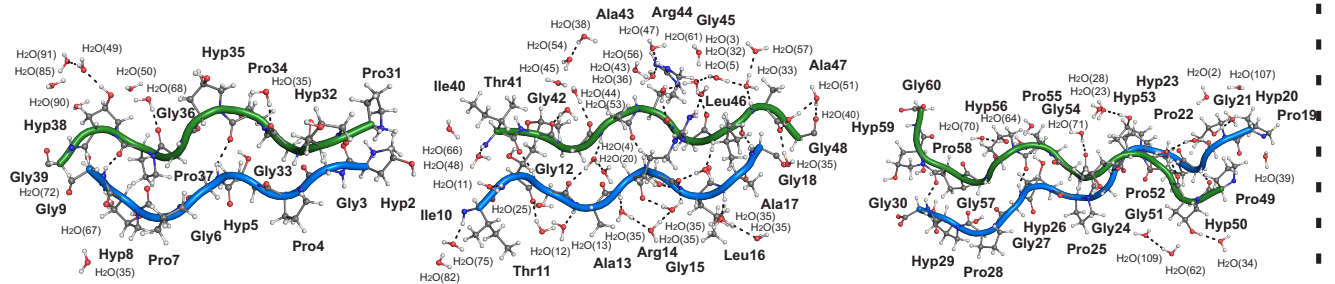
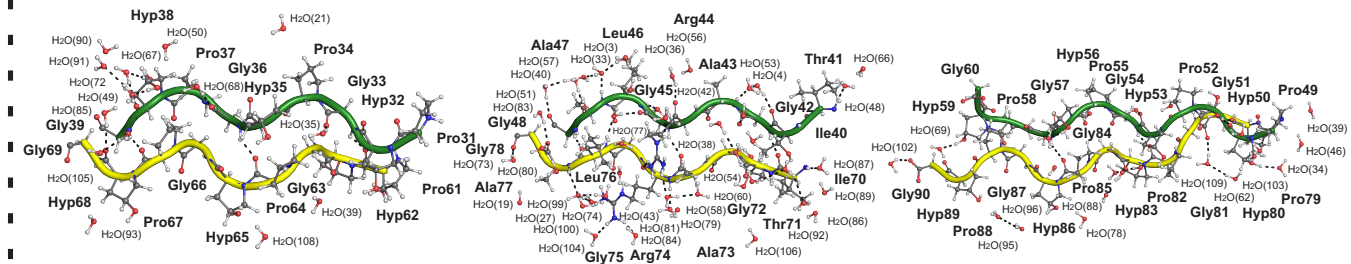


FIG. ES4: (color online) Overview of the collagen-like peptide T3-785 subdivided into three structural zones, namely N-terminal (amino-acid residues comprising three Pro-Hyp-Gly repetitions), Central (sequence Ile-Thr-Gly-Ala-Arg-Gly-Leu-Ala-Gly of human type III collagen) and C-terminal (four Pro-Hyp-Gly triplets).

SUBSYSTEM AB



SUBSYSTEM BC



SUBSYSTEM CA

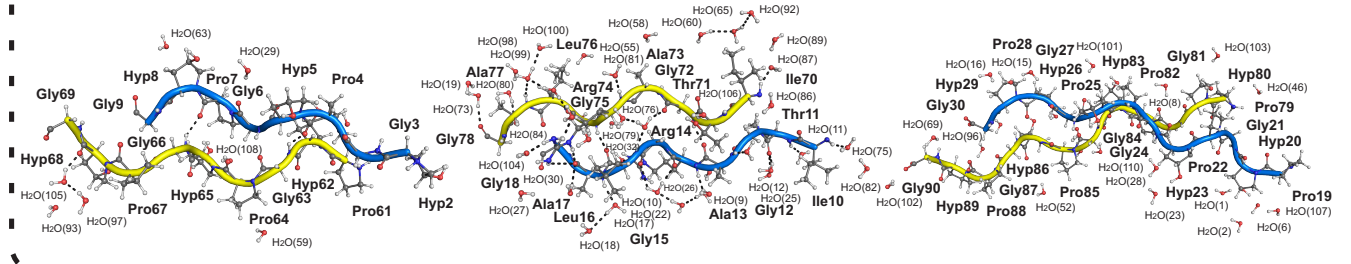


FIG. ES5: (color online) Overview of the collagen-like peptide T3-785 subdivided into three interaction subsystem, namely AB (A chain interacting with the B chain), BC (B chain interacting with the C chain) and CA (C chain interacting with the A chain).