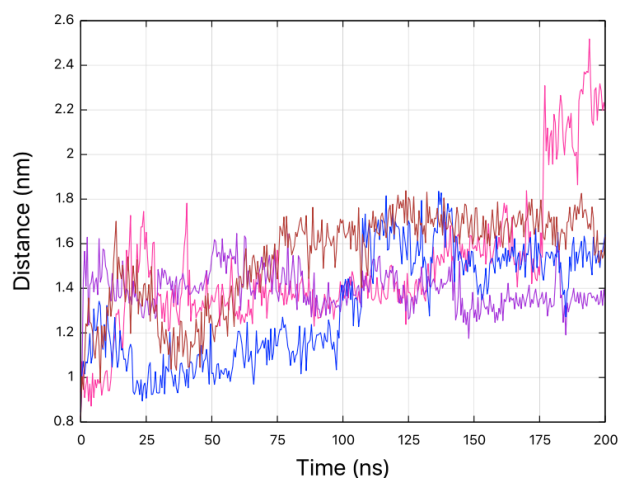


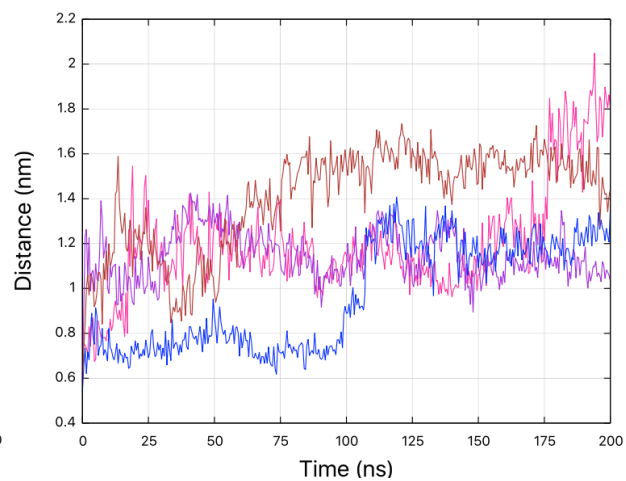
## SUPPLEMENTARY FIGURES

a)

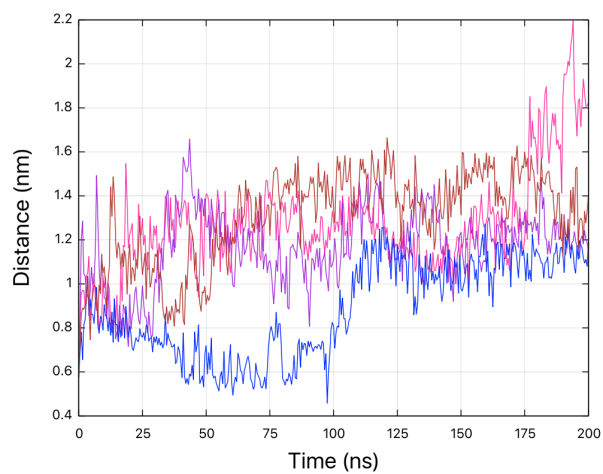
**SER 35**



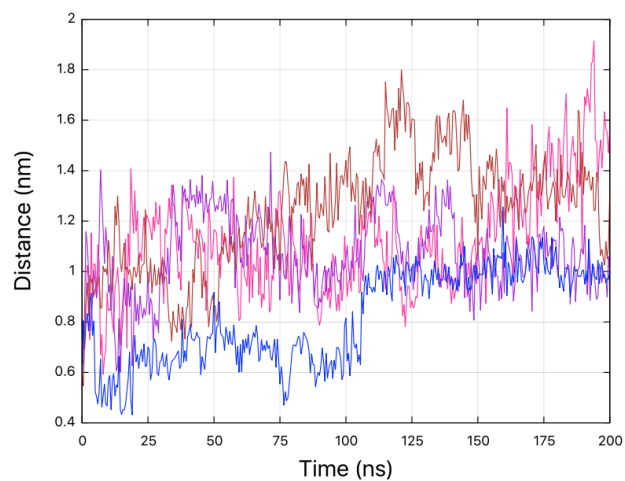
**TYR 75**



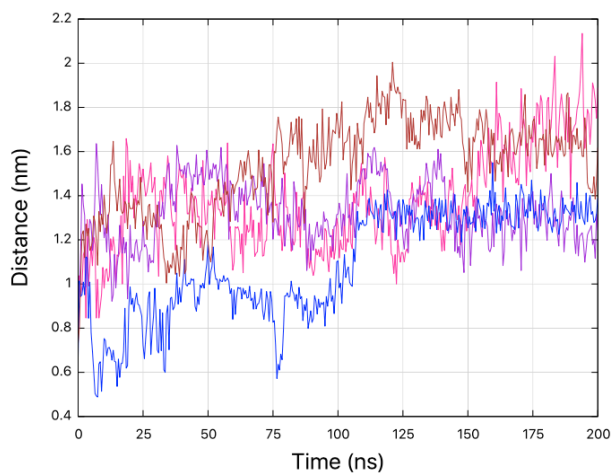
**SER 76**



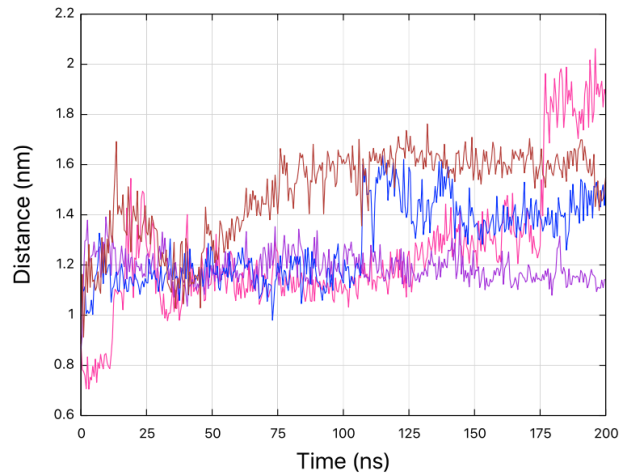
**THR 77**

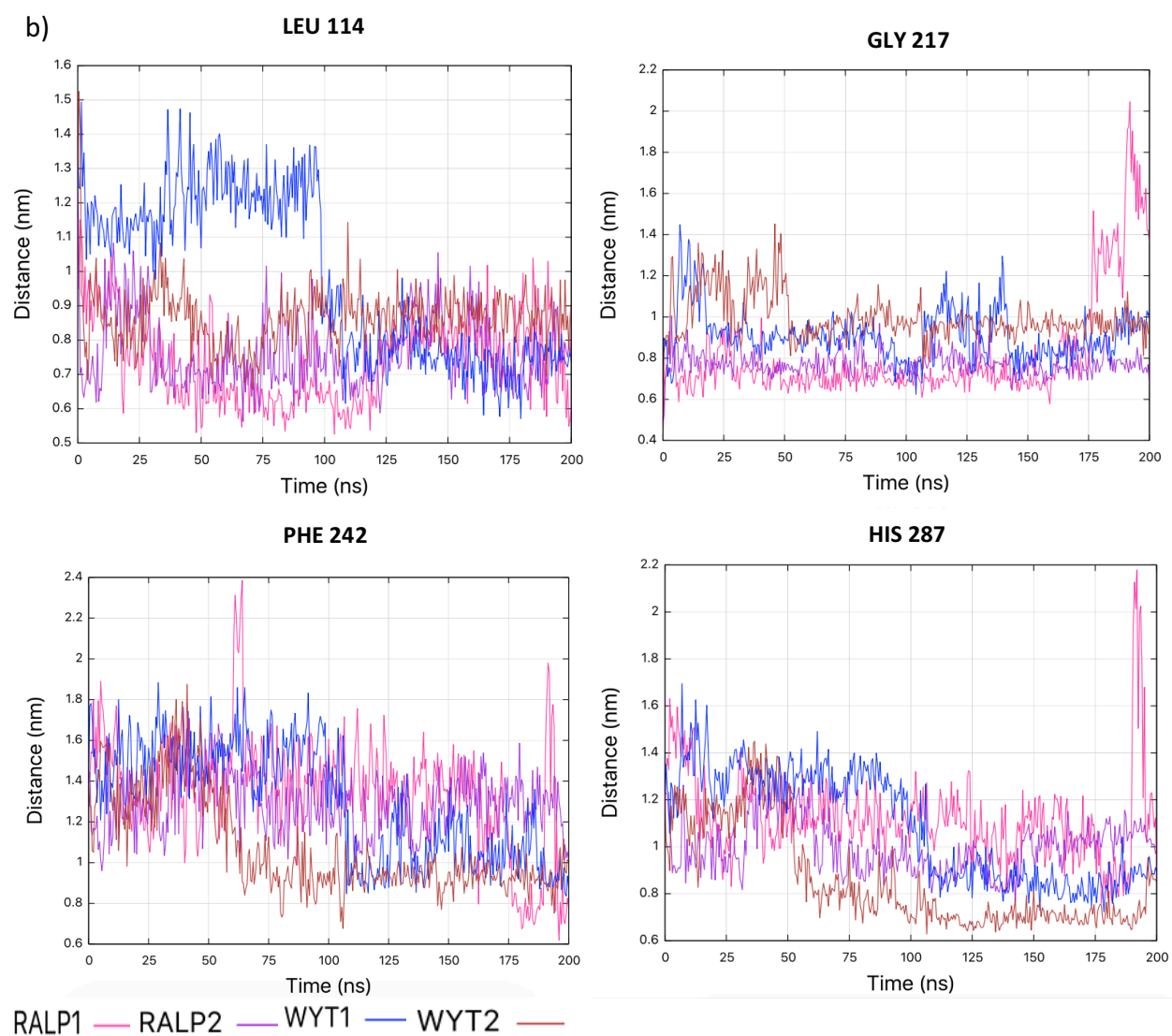


**GLY 78**



**VAL 120**





**Figure.** The average distance of the peptides (RALP<sub>1-2</sub> and WYT<sub>1-2</sub>) a) residues corresponding S1' and S2' binding pockets b) residues corresponding S4 binding pockets of renin observed during the simulation of 200ns.