

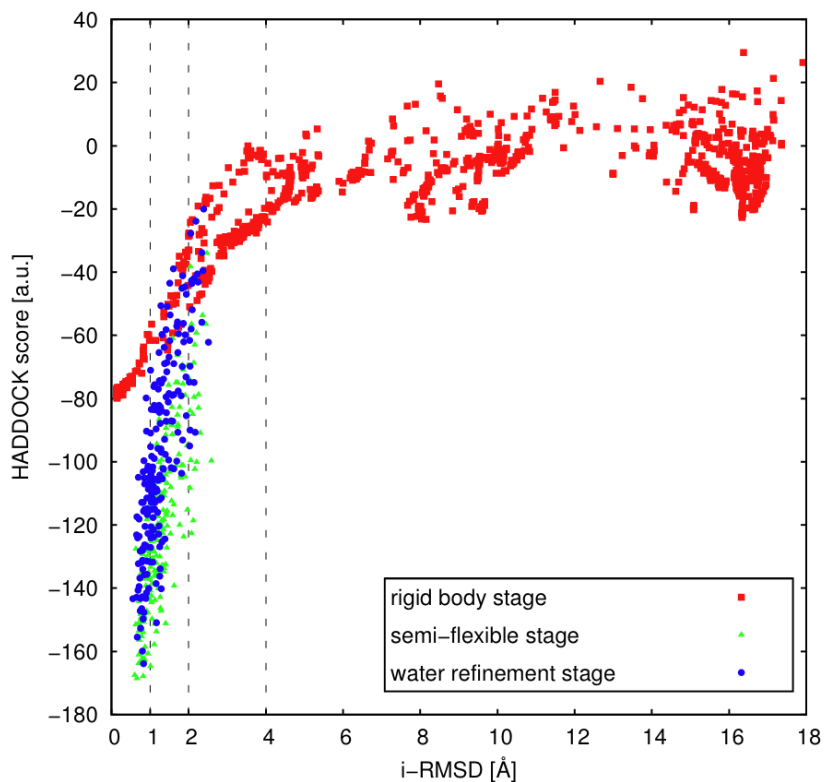
SUPPORTING INFORMATION

Protein-Protein HADDOCK using exclusively Pseudocontact Shifts

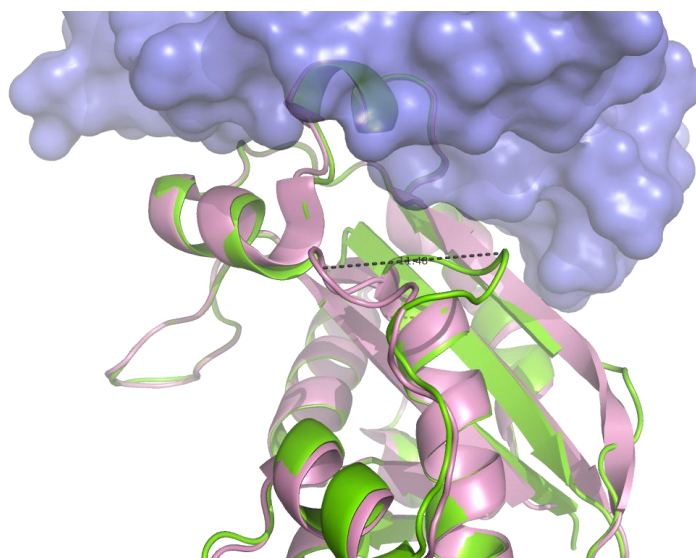
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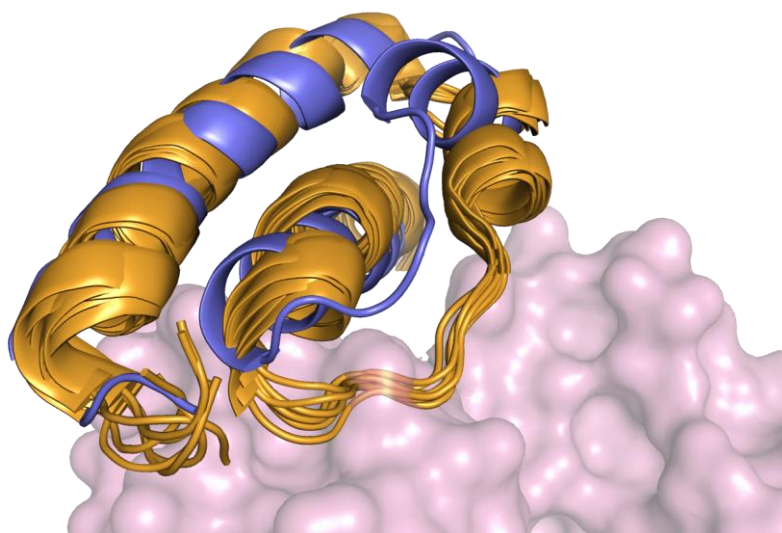
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SI Fig. 1 ϵ 186/HOT interface RMSD (i-RMSD) for the intermediate and final results of the bound-bound HADDOCK calculation. The level of noise used for the synthetic data was ± 0.45 ppm. In Figure 1 the level of noise used was ± 0.15 ppm.



SI Fig. 2 Conformational changes of $\epsilon 186$ localized at the loop 157K-162G. In pink the structure of bound $\epsilon 186$ (2IDO chain C). In green the superimposed crystal structure of free $\epsilon 186$ (1J53). In blue the surface of HOT (2IDO chain D). The loop 157K-162G undergoes a large conformational change of up to 11.5 Å.



SI Fig. 3 Conformational changes of HOT. In blue, ribbon representation of bound HOT (2IDO, chain D). In orange, ribbon representation of free HOT (2AXD). In pink, the surface of bound $\epsilon 186$ (2IDO chain C).

SI Table 1 Axial and Rhombic component values used during the docking^a

	Synthetic PCS ^b			Experimental PCS ^c		
	Dy ³⁺	Er ³⁺	Tb ³⁺	Dy ³⁺	Er ³⁺	Tb ³⁺
$\Delta\chi_{ax}^d$	10670.0	-2705.4	7282.4	10622.0	-2700.9	7275.0
$\Delta\chi_{rh}^d$	1252.8	-1130.8	1491.0	1254.9	-1184.9	1554.7

^a Obtained by fitting the PCS values against $\epsilon 186$ with the software Numbat

^b The synthetic PCS generated with a level of noise of ± 0.15 ppm are fitted against the bound form of $\epsilon 186$

^c The experimental PCS are fitted against the unbound form of $\epsilon 186$

^d In units of $10^{-28}/12/\pi \text{ m}^3$