

TABLE S-I List of the 10 inter-atomic distances for the atoms belonging to the central alanine residue.

distance-name	interacting-atoms
d1	N : C_β
d2	N : C
d3	N : O
d4	H : C_α
d5	H : C_β
d6	H : C
d7	H : O
d8	C_α : O
d9	C_β : C
d10	C_β : O