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PDBsum entry 1780

PDBsum

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Top page Protein Prot-prot Clefts

Protein-Protein interface: A}{B PDB id 1780



Chains A and B highlighted
(click to view)

Jmol Interfaces

A}{B (37:41 res)

Chain A Chain B



37res 8 26 41res 266

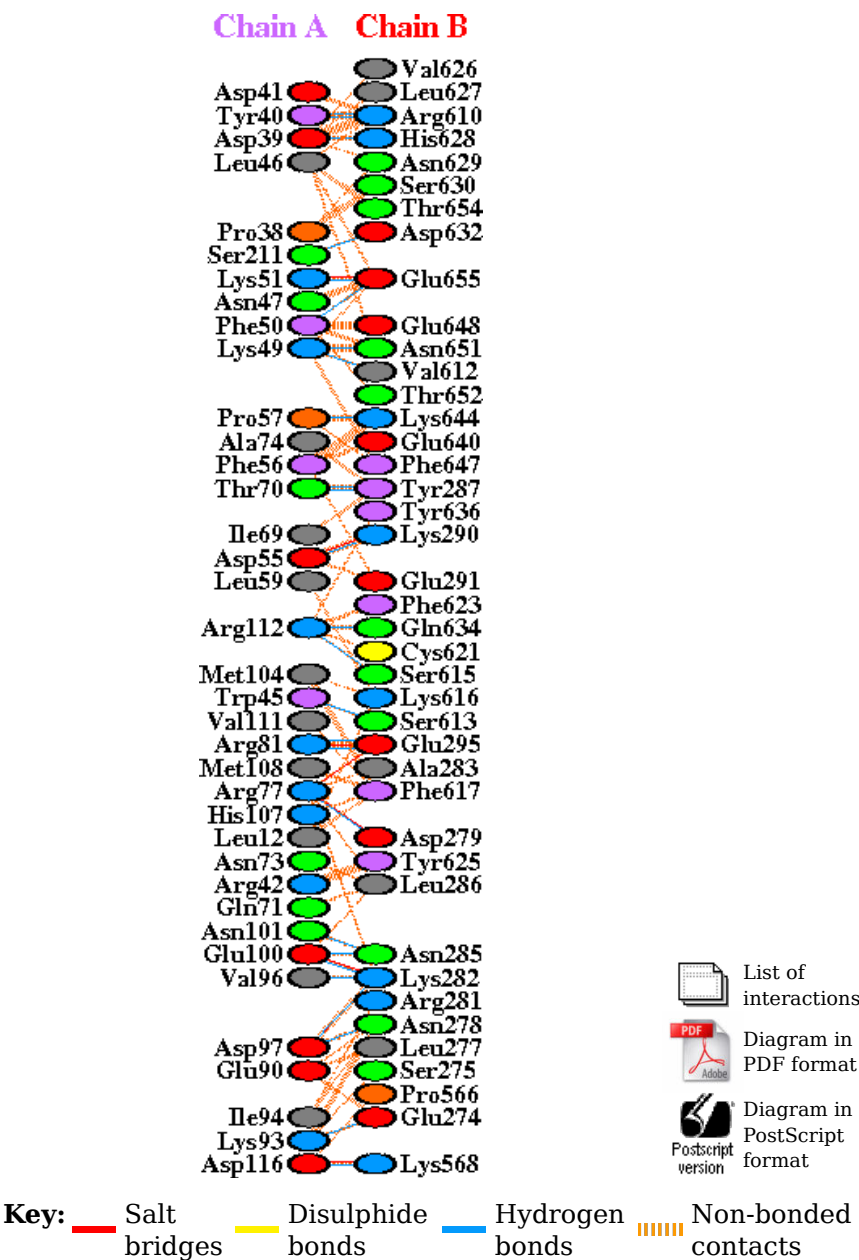
Key: Salt bridges Disulphide bonds Hydrogen bonds Non-bonded contacts

Schematic diagram of interactions between protein chains.

Interacting chains are joined by coloured lines, each representing a different type of interaction, as per the key above. The area of each circle is proportional to the surface area of the corresponding protein chain. The extent of the interface region on each chain is represented by the black wedge whose size signifies the interface surface area. Statistics for this interface are given below.

Interface statistics

Chain	No. of interface residues	Interface area (Å²)	No. of salt bridges	No. of disulphide bonds	No. of hydrogen bonds	No. of non-bonded contacts
A	37	1984	8	-	26	266
B	41	1982				



List of interactions

Diagram in PDF format

Diagram in PostScript format

The number of H-bond lines between any two residues indicates the number of potential hydrogen bonds between them. For non-bonded contacts, which can be plentiful, the width of the striped line is proportional to the number of atomic contacts.

Residue colours: Positive (H,K,R); negative (D,E); S,T,N,Q = neutral; A,V,L,I,M = aliphatic; F,Y,W = aromatic; P,G = Pro&Gly; C = cysteine.