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PDBsum entry l870

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Protein

Prot-prot

Clefts

Protein-Protein interface: A}{B

PDB id 1870

Chains A and B highlighted (click to view)

Jmol

Interfaces

A}{B (39:34 res)

Chain A

Chain B

Key:

Salt bridges

Disulphide bonds

Hydrogen bonds

Non-bonded contacts

PDF

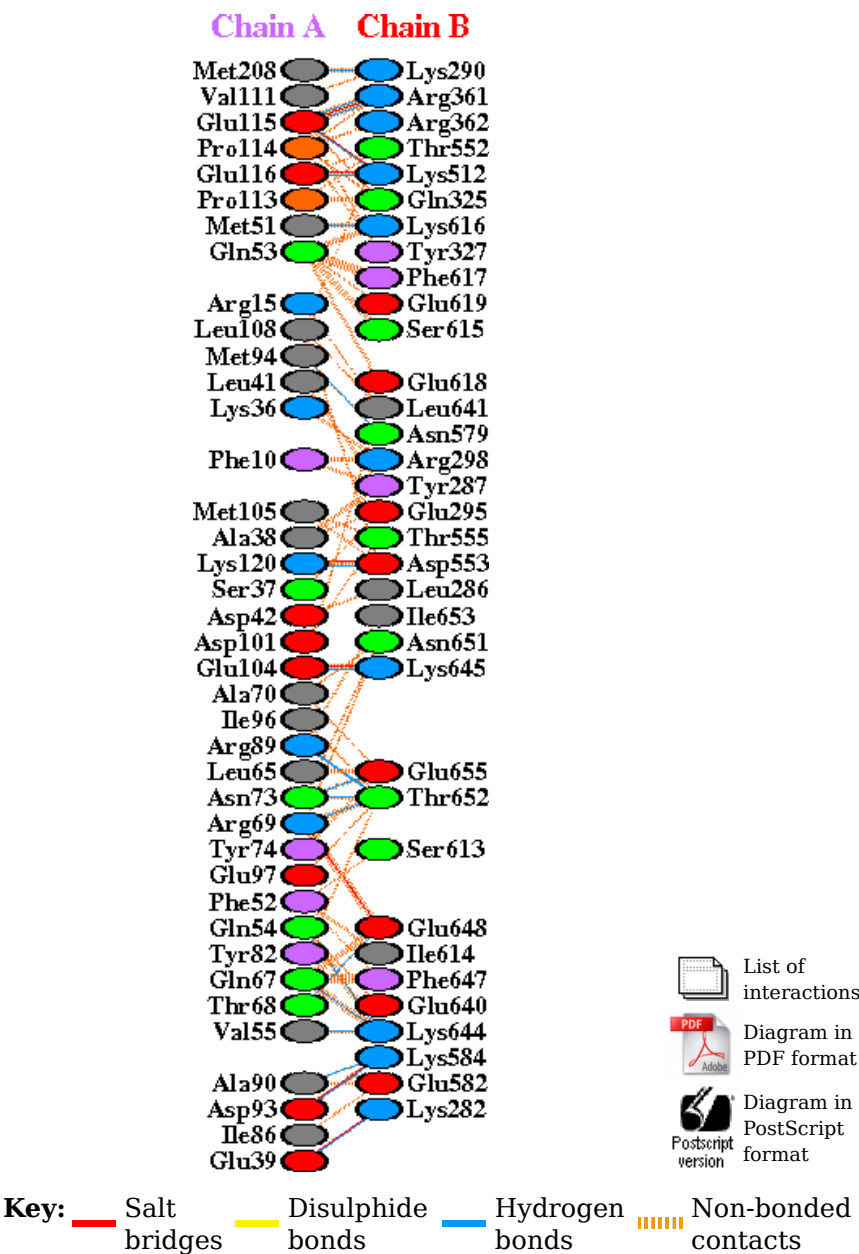
Postscript version

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	39	2019	8	-	21	267
B	34	1985				



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.