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PDBsum entry 1547

PDBsum

Go to PDB code: 1547 go

Top pageProteinProt-protClefts

Protein-Protein interface: A}{B PDB id 1547

Protein-protein interface: A}{B

Chain A

Chain B

39res

44res

6

20

274

Chains A and B highlighted (click to view)

Jmol

Interfaces

A}{B (39:44 res)

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

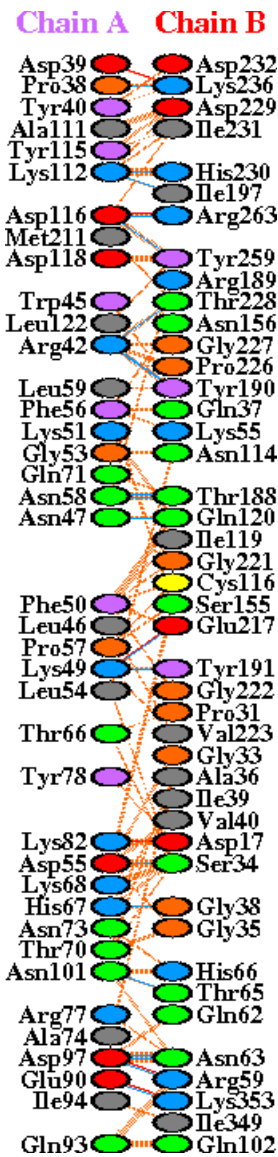
Chain	No. of interface residues	Interface area (Å²)	No. of salt bridges	No. of disulphide bonds	No. of hydrogen bonds	No. of non-bonded contacts
A	39	1961	6	-	20	274
B	44	1989				

Residue interactions across interface

Coloured by residue type

1 of 3

15-01-2018 14:53



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

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.

- List of interactions
- Diagram in PDF format
- Diagram in PostScript format

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EMBL-EBI, Wellcome Genome Campus, Hinxton, Cambridgeshire, CB10 1SD, UK +44 (0)1223 49 44 44

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