

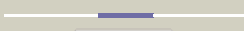

















Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P75786
Date	Wed Jan 25 15:21:02 GMT 2012
Unique Job ID	02fed6107ac5e23d

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3lw5K_	 Alignment		17.1	44	PDB header: photosynthesis Chain: K: PDB Molecule: photosystem i reaction center subunit x psak; PDBTitle: improved model of plant photosystem i
2	d1e8ga1	 Alignment		15.1	36	Fold: Ferredoxin-like Superfamily: FAD-linked oxidases, C-terminal domain Family: Vanillyl-alcohol oxidase-like
3	d2hkva1	 Alignment		11.8	28	Fold: DinB/YfiT-like putative metalloenzymes Superfamily: DinB/YfiT-like putative metalloenzymes Family: DinB-like
4	d2q66a2	 Alignment		11.5	18	Fold: Nucleotidyltransferase Superfamily: Nucleotidyltransferase Family: Poly(A) polymerase, PAP, N-terminal domain
5	c3k13A_	 Alignment		10.9	20	PDB header: transferase Chain: A: PDB Molecule: 5-methyltetrahydrofolate-homocysteine methyltransferase; PDBTitle: structure of the pterin-binding domain metr of 5-2 methyltetrahydrofolate-homocysteine methyltransferase from3 bacteroides thetaiotaomicron
6	c2cmpA_	 Alignment		8.1	29	PDB header: terminase Chain: A: PDB Molecule: terminase small subunit; PDBTitle: crystal structure of the dna binding domain of g1p small2 terminase subunit from bacteriophage sf6
7	c1ahuB_	 Alignment		6.9	36	PDB header: flavoenzyme Chain: B: PDB Molecule: vanillyl-alcohol oxidase; PDBTitle: structure of the octameric flavoenzyme vanillyl-alcohol2 oxidase in complex with p-cresol
8	c3c66B_	 Alignment		6.3	18	PDB header: transferase Chain: B: PDB Molecule: poly(a) polymerase; PDBTitle: yeast poly(a) polymerase in complex with fip1 residues 80-105
9	c2g9lA_	 Alignment		5.7	43	PDB header: antibiotic Chain: A: PDB Molecule: gaegurin-4; PDBTitle: the high-resolution solution conformation of an2 antimicrobial peptide gaegurin 4 and its mode of membrane3 interaction

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[c2wsfG_](#)

Alignment



5.3

44

PDB header:photosynthesis
Chain: G: **PDB Molecule:**photosystem i reaction center subunit v,
PDBTitle: improved model of plant photosystem i