
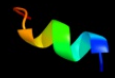

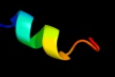







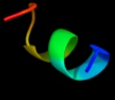








Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P0AE42
Date	Thu Jan 5 11:22:28 GMT 2012
Unique Job ID	9f8b75a36eb4270d

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1qf8a_	 Alignment		24.6	50	Fold: Rubredoxin-like Superfamily: Casein kinase II beta subunit Family: Casein kinase II beta subunit
2	d1jwhc_	 Alignment		23.9	50	Fold: Rubredoxin-like Superfamily: Casein kinase II beta subunit Family: Casein kinase II beta subunit
3	c2y69W_	 Alignment		16.7	20	PDB header: electron transport Chain: W: PDB Molecule: cytochrome c oxidase polypeptide 7a1; PDBTitle: bovine heart cytochrome c oxidase re-refined with molecular2 oxygen
4	d1v54j_	 Alignment		14.0	20	Fold: Single transmembrane helix Superfamily: Mitochondrial cytochrome c oxidase subunit VIIa Family: Mitochondrial cytochrome c oxidase subunit VIIa
5	d1rfya_	 Alignment		12.6	50	Fold: Long alpha-hairpin Superfamily: Transcriptional repressor TraM Family: Transcriptional repressor TraM
6	c2hjdA_	 Alignment		11.4	58	PDB header: signaling protein Chain: A: PDB Molecule: quorum-sensing antiactivator; PDBTitle: crystal structure of a second quorum sensing antiactivator tram2 from2 a. tumefaciens strain a6
7	d1upgb_	 Alignment		10.7	50	Fold: Long alpha-hairpin Superfamily: Transcriptional repressor TraM Family: Transcriptional repressor TraM
8	d1lnsa1	 Alignment		10.4	29	Fold: CH domain-like Superfamily: X-Prolyl dipeptidyl aminopeptidase PepX, N-terminal domain Family: X-Prolyl dipeptidyl aminopeptidase PepX, N-terminal domain
9	c2k1vB_	 Alignment		8.9	33	PDB header: hormone Chain: B: PDB Molecule: relaxin-3; PDBTitle: r3/i5 relaxin chimera

10 [d2iuba2](#)

Alignment



5.2

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Fold:Transmembrane helix hairpin
Superfamily:Magnesium transport protein CorA, transmembrane region
Family:Magnesium transport protein CorA, transmembrane region