

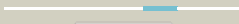




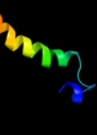





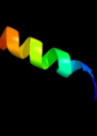







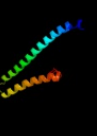
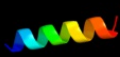
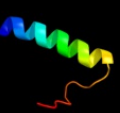



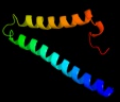
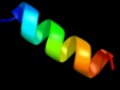



Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P0AAA1
Date	Thu Jan 5 11:12:19 GMT 2012
Unique Job ID	870869349b9b5a26

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d2oara1	 Alignment		41.3	15	Fold: Gated mechanosensitive channel Superfamily: Gated mechanosensitive channel Family: Gated mechanosensitive channel
2	d2in1a1	 Alignment		35.8	23	Fold: UBC-like Superfamily: UBC-like Family: UFC1-like
3	c2ht2B_	 Alignment		26.3	13	PDB header: membrane protein Chain: B: PDB Molecule: h(+)/cl(-) exchange transporter clca; PDBTitle: structure of the escherichia coli clc chloride channel2 y445h mutant and fab complex
4	c3kpaB_	 Alignment		26.1	18	PDB header: ligase Chain: B: PDB Molecule: probable ubiquitin fold modifier conjugating enzyme; PDBTitle: ubiquitin fold modifier conjugating enzyme from leishmania major2 (probable)
5	c3nkeA_	 Alignment		23.3	21	PDB header: immune system Chain: A: PDB Molecule: protein ygbt; PDBTitle: high resolution structure of the c-terminal domain crisp-associated2 protein cas1 from escherichia coli str. k-12
6	c1xooA_	 Alignment		19.5	27	PDB header: viral protein Chain: A: PDB Molecule: hemagglutinin; PDBTitle: nmr structure of g1s mutant of influenza hemagglutinin2 fusion peptide in dpc micelles at ph 5
7	c1xopA_	 Alignment		18.7	22	PDB header: viral protein Chain: A: PDB Molecule: hemagglutinin; PDBTitle: nmr structure of g1v mutant of influenza hemagglutinin2 fusion peptide in dpc micelles at ph 5
8	c1iboA_	 Alignment		18.1	27	PDB header: viral protein Chain: A: PDB Molecule: hemagglutinin ha2 chain peptide; PDBTitle: nmr structure of hemagglutinin fusion peptide in dpc2 micelles at ph 7.4
9	c1ibnA_	 Alignment		18.1	27	PDB header: viral protein Chain: A: PDB Molecule: hemagglutinin ha2 chain peptide; PDBTitle: nmr structure of hemagglutinin fusion peptide in dpc2 micelles at ph 5
10	c2oarA_	 Alignment		14.3	16	PDB header: membrane protein Chain: A: PDB Molecule: large-conductance mechanosensitive channel; PDBTitle: mechanosensitive channel of large conductance (mscl)
11	d1otsa_	 Alignment		12.7	13	Fold: Clc chloride channel Superfamily: Clc chloride channel Family: Clc chloride channel

12	c3b9yA_	Alignment		11.0	33	PDB header: transport protein Chain: A: PDB Molecule: ammonium transporter family rh-like protein; PDBTitle: crystal structure of the nitrosomonas europaea rh protein
13	c3godA_	Alignment		10.1	11	PDB header: immune system Chain: A: PDB Molecule: cas1; PDBTitle: structural basis for dnase activity of a conserved protein2 implicated in crispr-mediated antiviral defense
14	c2jrdA_	Alignment		10.0	20	PDB header: viral protein Chain: A: PDB Molecule: hemagglutinin; PDBTitle: influenza hemagglutinin fusion domain mutant f9a
15	c2kpeB_	Alignment		9.9	28	PDB header: membrane protein Chain: B: PDB Molecule: glycophorin-a; PDBTitle: refined structure of glycophorin a transmembrane segment dimer in dpc2 micelles
16	c2kpeA_	Alignment		9.9	28	PDB header: membrane protein Chain: A: PDB Molecule: glycophorin-a; PDBTitle: refined structure of glycophorin a transmembrane segment dimer in dpc2 micelles
17	d1kpla_	Alignment		8.7	15	Fold: Clc chloride channel Superfamily: Clc chloride channel Family: Clc chloride channel
18	c2zt9E_	Alignment		7.2	40	PDB header: photosynthesis Chain: E: PDB Molecule: cytochrome b6-f complex subunit 6; PDBTitle: crystal structure of the cytochrome b6f complex from nostoc sp. pcc2 7120
19	c3nkdB_	Alignment		6.3	16	PDB header: immune system Chain: B: PDB Molecule: crispr-associated protein cas1; PDBTitle: structure of crisp-associated protein cas1 from escherichia coli str.2 k-12

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[cljegB_](#)

Alignment



5.8

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PDB header:transferase/hydrolase
Chain: B: **PDB Molecule:**hematopoietic cell protein-tyrosine phosphatase
PDBTitle: solution structure of the sh3 domain from c-terminal src2 kinase complexed with a peptide from the tyrosine3 phosphatase pep