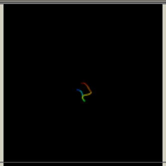
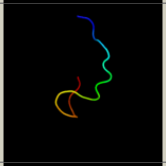
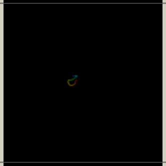
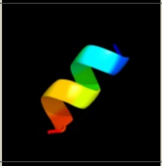
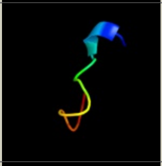
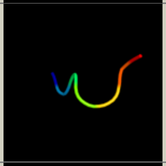
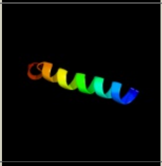
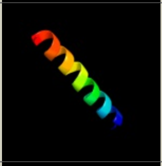
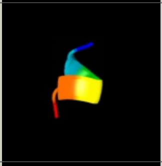
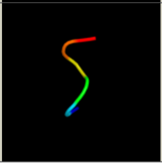
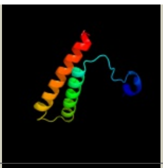
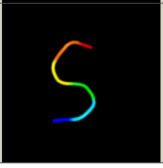
Phyre^2

Email	l.a.kelley@imperial.ac.uk
Description	P64592
Date	Thu Jan 5 12:09:46 GMT 2012
Unique Job ID	d9a5d550fcf3705b

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4a1oB_	Alignment		20.7	40	**PDB header:**transferase-hydrolase **Chain:** B: **PDB Molecule:**bifunctional purine biosynthesis protein purh; **PDBTitle:** crystal structure of mycobacterium tuberculosis purh complexed with2 aicar and a novel nucleotide cfair, at 2.48 a resolution.
2	c1zczA_	Alignment		18.9	22	**PDB header:**transferase/hydrolase **Chain:** A: **PDB Molecule:**bifunctional purine biosynthesis protein purh; **PDBTitle:** crystal structure of phosphoribosylaminoimidazolecarboxamide2 formyltransferase / imp cyclohydrolase (tm1249) from thermotoga3 maritima at 1.88 a resolution
3	c1thzA_	Alignment		18.5	40	**PDB header:**transferase, hydrolase **Chain:** A: **PDB Molecule:**bifunctional purine biosynthesis protein purh; **PDBTitle:** crystal structure of avian aicar transformylase in complex2 with a novel inhibitor identified by virtual ligand3 screening
4	c2dyoB_	Alignment		11.0	60	**PDB header:**protein turnover/protein turnover **Chain:** B: **PDB Molecule:**autophagy protein 16; **PDBTitle:** the crystal structure of saccharomyces cerevisiae atg5-2 atg16(1-57) complex
5	c3rf1B_	Alignment		9.1	31	**PDB header:**ligase **Chain:** B: **PDB Molecule:**glycyl-trna synthetase alpha subunit; **PDBTitle:** the crystal structure of glycyl-trna synthetase subunit alpha from2 campylobacter jejuni subsp. jejuni nctc 11168
6	d1lira_	Alignment		8.1	50	**Fold:**Knottins (small inhibitors, toxins, lectins) **Superfamily:**Scorpion toxin-like **Family:**Short-chain scorpion toxins
7	c1bzgA_	Alignment		8.0	57	**PDB header:**hormone **Chain:** A: **PDB Molecule:**parathyroid hormone-related protein; **PDBTitle:** the solution structure of human parathyroid hormone-related2 protein (1-34) in near-physiological solution, nmr, 303 structures
8	d2axti1	Alignment		7.9	19	**Fold:**Single transmembrane helix **Superfamily:**Photosystem II reaction center protein I, PsbI **Family:**PsbI-like
9	c2l2tA_	Alignment		7.5	21	**PDB header:**membrane protein **Chain:** A: **PDB Molecule:**receptor tyrosine-protein kinase erbb-4; **PDBTitle:** solution nmr structure of the erbb4 dimeric membrane domain
10	c1gngX_	Alignment		7.0	83	**PDB header:**transferase **Chain:** X: **PDB Molecule:**frattide; **PDBTitle:** glycogen synthase kinase-3 beta (gsk3) complex with frattide2 peptide
11	c3skdA_	Alignment		6.5	50	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**putative uncharacterized protein ttHb187; **PDBTitle:** crystal structure of the thermus thermophilus cas3 hd domain in the2 presence of ni2+

12	d1y5ic1	Alignment		5.7	14	**Fold:**Heme-binding four-helical bundle **Superfamily:**Respiratory nitrate reductase 1 gamma chain **Family:**Respiratory nitrate reductase 1 gamma chain
13	c2ogiA_	Alignment		5.2	50	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**hypothetical protein sag1661; **PDBTitle:** crystal structure of a putative metal dependent phosphohydrolase2 (sag1661) from streptococcus agalactiae serogroup v at 1.85 a3 resolution

14	c2rddB_	Alignment		5.1	4	**PDB header:**membrane protein/transport protein **Chain:** B: **PDB Molecule:**upf0092 membrane protein yajc; **PDBTitle:** x-ray crystal structure of acrb in complex with a novel 2 transmembrane helix.