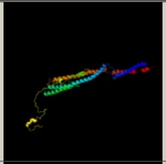
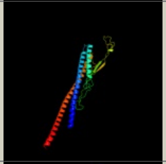
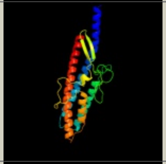
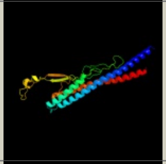
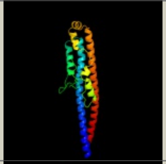
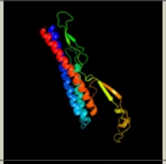
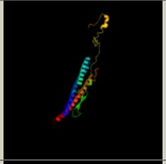
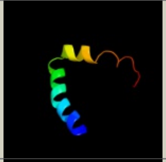
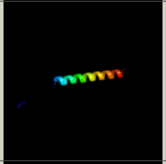
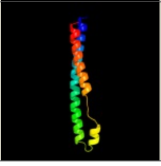
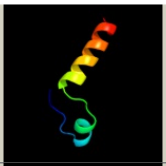
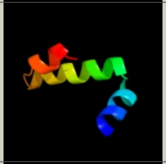
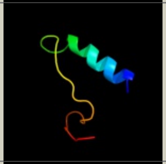
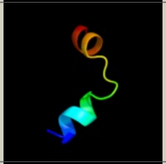
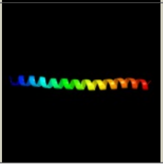
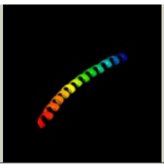
Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P29744
Date	Thu Jan 5 11:45:40 GMT 2012
Unique Job ID	4c3a3a93aa9dada0

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1ucua_	Alignment		100.0	21	**Fold:**Phase 1 flagellin **Superfamily:**Phase 1 flagellin **Family:**Phase 1 flagellin
2	c3k8vB_	Alignment		100.0	19	**PDB header:**structural protein **Chain:** B: **PDB Molecule:**flagellin homolog; **PDBTitle:** crysatl structure of a bacterial cell-surface flagellin n20c20
3	c2d4xA_	Alignment		100.0	81	**PDB header:**structural protein **Chain:** A: **PDB Molecule:**flagellar hook-associated protein 3; **PDBTitle:** crystal structure of a 26k fragment of hap3 (flgl)
4	c3k8wA_	Alignment		100.0	19	**PDB header:**structural protein **Chain:** A: **PDB Molecule:**flagellin homolog; **PDBTitle:** crysatl structure of a bacterial cell-surface flagellin n20c45
5	c3pwxB_	Alignment		100.0	24	**PDB header:**structural protein **Chain:** B: **PDB Molecule:**putative flagellar hook-associated protein; **PDBTitle:** structure of putative flagellar hook-associated protein from vibrio2 parahaemolyticus
6	c2zbiB_	Alignment		100.0	22	**PDB header:**structural protein **Chain:** B: **PDB Molecule:**flagellin homolog; **PDBTitle:** crysatl structure of a bacterial cell-surface flagellin
7	d1io1a_	Alignment		100.0	22	**Fold:**Phase 1 flagellin **Superfamily:**Phase 1 flagellin **Family:**Phase 1 flagellin
8	c1oryB_	Alignment		94.1	18	**PDB header:**chaperone **Chain:** B: **PDB Molecule:**flagellin; **PDBTitle:** flagellar export chaperone in complex with its cognate binding partner
9	c3a69A_	Alignment		45.8	10	**PDB header:**motor protein **Chain:** A: **PDB Molecule:**flagellar hook protein flge; **PDBTitle:** atomic model of the bacterial flagellar hook based on2 docking an x-ray derived structure and terminal two alpha-3 helices into an 7.1 angstrom resolution cryoem map
10	c2kyyA_	Alignment		9.3	13	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**possible atp-dependent dna helicase recg-related protein; **PDBTitle:** solution nmr structure of the n-terminal domain of putative atp-2 dependent dna helicase recg-related protein from nitrosomonas3 europaea, northeast structural genomics consortium target ner70a
11	c2ieqC_	Alignment		8.5	12	**PDB header:**viral protein **Chain:** C: **PDB Molecule:**spike glycoprotein; **PDBTitle:** core structure of s2 from the human coronavirus nl63 spike2 glycoprotein

12	c3pzdB_	Alignment		8.3	19	**PDB header:**motor protein/apoptosis **Chain:** B: **PDB Molecule:**netrin receptor dcc; **PDBTitle:** structure of the myosin x myth4-ferm/dcc complex
13	c2do9A_	Alignment		7.0	19	**PDB header:**signaling protein **Chain:** A: **PDB Molecule:**nacht-, lrr- and pyd-containing protein 10; **PDBTitle:** solution structure of the pyrin/paad-dapin domain in mouse2 nalp10 (nacht, leucine rich repeat and pyd containing 10)
14	d1ffva2	Alignment		7.0	11	**Fold:**beta-Grasp (ubiquitin-like) **Superfamily:**2Fe-2S ferredoxin-like **Family:**2Fe-2S ferredoxin domains from multidomain proteins
15	c3lmmA_	Alignment		6.7	24	**PDB header:**structural genomics, unknown function **Chain:** A: **PDB Molecule:**uncharacterized protein; **PDBTitle:** crystal structure of the dip2311 protein from2 corynebacterium diphtheriae, northeast structural genomics3 consortium target cdr35
16	c3a1yF_	Alignment		6.4	16	**PDB header:**ribosomal protein **Chain:** F: **PDB Molecule:**50s ribosomal protein p1 (l12p); **PDBTitle:** the structure of protein complex
17	c2w6jG_	Alignment		6.2	6	**PDB header:**hydrolase **Chain:** G: **PDB Molecule:**atp synthase subunit gamma, mitochondrial; **PDBTitle:** low resolution structures of bovine mitochondrial f1-atpase2 during controlled dehydration: hydration state 5.

18	c3fksY_	Alignment		6.2	8	**PDB header:**hydrolase **Chain:** Y: **PDB Molecule:**atp synthase subunit gamma, mitochondrial; **PDBTitle:** yeast f1 atpase in the absence of bound nucleotides