Phyre2

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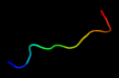
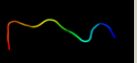
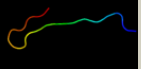
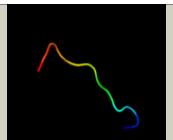
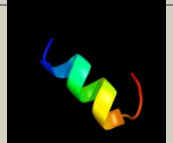
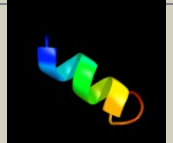
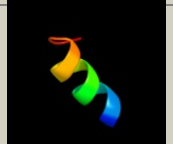
Description	P75676
Date	Thu Jan 5 12:12:53 GMT 2012
Unique Job ID	a24644efb57c0429

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2kmgA_	Alignment		100.0	42	**PDB header:**gene regulation **Chain:** A: **PDB Molecule:**klca; **PDBTitle:** the structure of the klca and ardb proteins show a novel2 fold and antirestriction activity against type i dna3 restriction systems in vivo but not in vitro
2	c2wj9A_	Alignment		100.0	70	**PDB header:**hydrolase inhibitor **Chain:** A: **PDB Molecule:**intergenic-region protein; **PDBTitle:** ardb
3	d2v6ai1	Alignment		41.7	25	**Fold:**RuBisCO, small subunit **Superfamily:**RuBisCO, small subunit **Family:**RuBisCO, small subunit
4	d1gk8i_	Alignment		37.0	25	**Fold:**RuBisCO, small subunit **Superfamily:**RuBisCO, small subunit **Family:**RuBisCO, small subunit
5	d8ruci_	Alignment		32.4	33	**Fold:**RuBisCO, small subunit **Superfamily:**RuBisCO, small subunit **Family:**RuBisCO, small subunit
6	c2qsgX_	Alignment		30.9	40	**PDB header:**dna binding protein/dna **Chain:** X: **PDB Molecule:**uv excision repair protein rad23; **PDBTitle:** crystal structure of rad4-rad23 bound to a uv-damaged dna
7	d1uzdc1	Alignment		30.7	33	**Fold:**RuBisCO, small subunit **Superfamily:**RuBisCO, small subunit **Family:**RuBisCO, small subunit
8	d1x3zb1	Alignment		30.5	40	**Fold:**XPC-binding domain **Superfamily:**XPC-binding domain **Family:**XPC-binding domain
9	d1wdds_	Alignment		30.4	33	**Fold:**RuBisCO, small subunit **Superfamily:**RuBisCO, small subunit **Family:**RuBisCO, small subunit
10	d1ej7s_	Alignment		29.3	33	**Fold:**RuBisCO, small subunit **Superfamily:**RuBisCO, small subunit **Family:**RuBisCO, small subunit
11	d2tssa2	Alignment		28.4	29	**Fold:**beta-Grasp (ubiquitin-like) **Superfamily:**Superantigen toxins, C-terminal domain **Family:**Superantigen toxins, C-terminal domain

12	d1uzhc1	Alignment		22.1	17	**Fold:**RuBisCO, small subunit **Superfamily:**RuBisCO, small subunit **Family:**RuBisCO, small subunit
13	d1m15a1	Alignment		20.7	29	**Fold:**Guanido kinase N-terminal domain **Superfamily:**Guanido kinase N-terminal domain **Family:**Guanido kinase N-terminal domain
14	d1qh4a1	Alignment		18.5	29	**Fold:**Guanido kinase N-terminal domain **Superfamily:**Guanido kinase N-terminal domain **Family:**Guanido kinase N-terminal domain
15	d1ir1s_	Alignment		17.3	33	**Fold:**RuBisCO, small subunit **Superfamily:**RuBisCO, small subunit **Family:**RuBisCO, small subunit
16	d1vrpa1	Alignment		17.3	29	**Fold:**Guanido kinase N-terminal domain **Superfamily:**Guanido kinase N-terminal domain **Family:**Guanido kinase N-terminal domain
17	d1u6ra1	Alignment		17.2	21	**Fold:**Guanido kinase N-terminal domain **Superfamily:**Guanido kinase N-terminal domain **Family:**Guanido kinase N-terminal domain
18	d1i0ea1	Alignment		16.5	21	**Fold:**Guanido kinase N-terminal domain **Superfamily:**Guanido kinase N-terminal domain **Family:**Guanido kinase N-terminal domain
19	d1g0wa1	Alignment		16.4	29	**Fold:**Guanido kinase N-terminal domain **Superfamily:**Guanido kinase N-terminal domain **Family:**Guanido kinase N-terminal domain
20	d1crka1	Alignment		16.3	14	**Fold:**Guanido kinase N-terminal domain **Superfamily:**Guanido kinase N-terminal domain **Family:**Guanido kinase N-terminal domain
21	d1qk1a1	Alignment	not modelled	15.9	14	**Fold:**Guanido kinase N-terminal domain **Superfamily:**Guanido kinase N-terminal domain **Family:**Guanido kinase N-terminal domain
22	d1rbli_	Alignment	not modelled	15.6	17	**Fold:**RuBisCO, small subunit **Superfamily:**RuBisCO, small subunit **Family:**RuBisCO, small subunit
23	d1bxni_	Alignment	not modelled	14.7	17	**Fold:**RuBisCO, small subunit **Superfamily:**RuBisCO, small subunit **Family:**RuBisCO, small subunit
24	d1bwvs_	Alignment	not modelled	14.3	17	**Fold:**RuBisCO, small subunit **Superfamily:**RuBisCO, small subunit **Family:**RuBisCO, small subunit
25	d1svdm1	Alignment	not modelled	14.1	14	**Fold:**RuBisCO, small subunit **Superfamily:**RuBisCO, small subunit **Family:**RuBisCO, small subunit
26	d1enfa2	Alignment	not modelled	13.5	18	**Fold:**beta-Grasp (ubiquitin-like) **Superfamily:**Superantigen toxins, C-terminal domain **Family:**Superantigen toxins, C-terminal domain
27	c3lo4B_	Alignment	not modelled	12.2	44	**PDB header:**antimicrobial protein **Chain:** B: **PDB Molecule:**neutrophil defensin 1; **PDBTitle:** crystal structure of human alpha-defensin 1 (r24a mutant)
28	c3lo4A_	Alignment	not modelled	12.2	44	**PDB header:**antimicrobial protein **Chain:** A: **PDB Molecule:**neutrophil defensin 1; **PDBTitle:** crystal structure of human alpha-defensin 1 (r24a mutant)
29	d1y0ua_	Alignment	not modelled	10.6	32	**Fold:**DNA/RNA-binding 3-helical bundle **Superfamily:**"Winged helix" DNA-binding domain

						Family: ArsR-like transcriptional regulators
30	c1ck1A_	Alignment	not modelled	10.3	41	**PDB header:**toxin **Chain:** A: **PDB Molecule:**protein (enterotoxin type c-3); **PDBTitle:** structure of staphylococcal enterotoxin c3
31	c1xxgA_	Alignment	not modelled	10.2	26	**PDB header:**immune system **Chain:** A: **PDB Molecule:**enterotoxin; **PDBTitle:** crystal structure of staphylococcal enterotoxin g
32	d1ks8a_	Alignment	not modelled	10.1	9	**Fold:**alpha/alpha toroid **Superfamily:**Six-hairpin glycosidases **Family:**Cellulases catalytic domain
33	c3cinA_	Alignment	not modelled	9.2	23	**PDB header:**isomerase **Chain:** A: **PDB Molecule:**myo-inositol-1-phosphate synthase-related protein; **PDBTitle:** crystal structure of a myo-inositol-1-phosphate synthase-related2 protein (tm_1419) from thermotoga maritima msb8 at 1.70 a resolution
34	c1et9A_	Alignment	not modelled	8.8	29	**PDB header:**immune system **Chain:** A: **PDB Molecule:**superantigen spe-h; **PDBTitle:** crystal structure of the superantigen spe-h from2 streptococcus pyogenes
35	d2dawa1	Alignment	not modelled	8.5	11	**Fold:**UBC-like **Superfamily:**UBC-like **Family:**RWD domain
36	d2z8la2	Alignment	not modelled	8.3	12	**Fold:**beta-Grasp (ubiquitin-like) **Superfamily:**Superantigen toxins, C-terminal domain **Family:**Superantigen toxins, C-terminal domain
37	c1d6eC_	Alignment	not modelled	8.2	31	**PDB header:**immune system/peptide inhibitor **Chain:** C: **PDB Molecule:**enterotoxin type b; **PDBTitle:** crystal structure of hla-dr4 complex with peptidomimetic and seb
38	d2daxa1	Alignment	not modelled	8.1	13	**Fold:**UBC-like **Superfamily:**UBC-like **Family:**RWD domain
39	c1bxtA_	Alignment	not modelled	7.8	35	**PDB header:**immune system **Chain:** A: **PDB Molecule:**protein (streptococcal superantigen); **PDBTitle:** streptococcal superantigen (ssa) from streptococcus pyogenes
40	c2j4xA_	Alignment	not modelled	7.1	12	**PDB header:**signaling protein **Chain:** A: **PDB Molecule:**mitogen; **PDBTitle:** streptococcus dysgalactiae-derived mitogen (sdm)
41	c1u1iC_	Alignment	not modelled	6.4	18	**PDB header:**isomerase **Chain:** C: **PDB Molecule:**myo-inositol-1-phosphate synthase; **PDBTitle:** myo-inositol phosphate synthase mips from a. fulgidus
42	c2hg7A_	Alignment	not modelled	6.2	25	**PDB header:**structural genomics, unknown function **Chain:** A: **PDB Molecule:**phage-like element pbsx protein xkdw; **PDBTitle:** solution nmr structure of phage-like element pbsx protein2 xkdw, northeast structural genomics consortium target sr355
43	d2hg7a1	Alignment	not modelled	6.2	25	**Fold:**gpW/XkdW-like **Superfamily:**XkdW-like **Family:**XkdW-like
44	c1uupA_	Alignment	not modelled	6.1	29	**PDB header:**toxin **Chain:** A: **PDB Molecule:**exotoxin type a; **PDBTitle:** crystal structure of a dimeric form of streptococcal2 pyrogenic exotoxin a (spea1).
45	c3bmaC_	Alignment	not modelled	6.0	15	**PDB header:**ligase **Chain:** C: **PDB Molecule:**d-alanyl-lipoteichoic acid synthetase; **PDBTitle:** crystal structure of d-alanyl-lipoteichoic acid synthetase from2 streptococcus pneumoniae r6
46	c2ij0A_	Alignment	not modelled	5.4	29	**PDB header:**protein binding **Chain:** A: **PDB Molecule:**toxic shock syndrome toxin-1; **PDBTitle:** structural basis of t cell specificity and activation by2 the bacterial superantigen toxic shock syndrome toxin-1
47	c3cxbA_	Alignment	not modelled	5.4	20	**PDB header:**signaling protein **Chain:** A: **PDB Molecule:**protein sifa; **PDBTitle:** crystal structure of sifa and skip
48	c1ktkB_	Alignment	not modelled	5.3	18	**PDB header:**immune system **Chain:** B: **PDB Molecule:**exotoxin type c; **PDBTitle:** complex of streptococcal pyrogenic enterotoxin c (spec)2 with a human t cell receptor beta chain (vbeta2.1)
49	d1x4ka2	Alignment	not modelled	5.3	38	**Fold:**Glucocorticoid receptor-like (DNA-binding domain) **Superfamily:**Glucocorticoid receptor-like (DNA-binding domain) **Family:**LIM domain
50	c1zfuA_	Alignment	not modelled	5.2	50	**PDB header:**antimicrobial protein **Chain:** A: **PDB Molecule:**plectasin; **PDBTitle:** plectasin:a peptide antibiotic with therapeutic potential2 from a saprophytic fungus
51	c2vg2C_	Alignment	not modelled	5.0	18	**PDB header:**transferase **Chain:** C: **PDB Molecule:**undecaprenyl pyrophosphate synthetase; **PDBTitle:** rv2361 with ipp