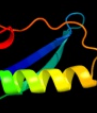
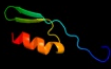
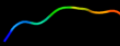


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2owlA_	 Alignment		100.0	96	PDB header: recombination Chain: A: PDB Molecule: recombination-associated protein rdgc; PDBTitle: crystal structure of e. coli rdgc
2	c2owyB_	 Alignment		100.0	49	PDB header: dna binding protein Chain: B: PDB Molecule: recombination-associated protein rdgc; PDBTitle: the recombination-associated protein rdgc adopts a novel toroidal2 architecture for dna binding
3	d2cfua2	 Alignment		89.8	26	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: Alkylsulfatase-like
4	c2cfuA_	 Alignment		86.2	26	PDB header: hydrolase Chain: A: PDB Molecule: sdsal; PDBTitle: crystal structure of sdsal, an alkylsulfatase from2 pseudomonas aeruginosa, in complex with 1-decane-sulfonic-3 acid.
5	c2kmuA_	 Alignment		63.1	11	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent dna helicase q4; PDBTitle: recql4 amino-terminal domain
6	d1vmea2	 Alignment		31.3	11	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: ROO N-terminal domain-like
7	c2l09A_	 Alignment		27.5	16	PDB header: oxidoreductase Chain: A: PDB Molecule: asr4154 protein; PDBTitle: solution nmr structure of protein asr4154 from nostoc sp. pcc71202 northeast structural genomics consortium target id nsr143
8	c2kruA_	 Alignment		27.4	8	PDB header: oxidoreductase Chain: A: PDB Molecule: light-independent protochlorophyllide reductase PDBTitle: solution nmr structure of the pcp_red domain of light-2 independent protochlorophyllide reductase subunit b from3 chlorobium tepidum. northeast structural genomics4 consortium target ctr69a (casp target)
9	c1yd2A_	 Alignment		26.0	9	PDB header: dna binding protein Chain: A: PDB Molecule: uvrabc system protein c; PDBTitle: crystal structure of the giy-yig n-terminal endonuclease domain of2 uvr from thermotoga maritima: point mutant y19f bound to the3 catalytic divalent cation
10	d1asua_	 Alignment		21.7	12	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Retroviral integrase, catalytic domain
11	c3nf9A_	 Alignment		21.1	21	PDB header: hydrolase/hydrolase inhibitor Chain: A: PDB Molecule: integrase; PDBTitle: structural basis for a new mechanism of inhibition of hiv integrase2 identified by fragment screening and structure based design

12	dlztca1	Alignment		19.2	10	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: TM0894-like
13	c2ohiB_	Alignment		17.7	10	PDB header: oxidoreductase Chain: B: PDB Molecule: type a flavoprotein fpri; PDBTitle: crystal structure of coenzyme f420h2 oxidase (fpri), a diiron2 flavoprotein, reduced state
14	dlc6va_	Alignment		17.5	17	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Retroviral integrase, catalytic domain
15	c3hleA_	Alignment		15.2	15	PDB header: transferase Chain: A: PDB Molecule: transesterase; PDBTitle: simvastatin synthase (lovD), from aspergillus terreus, s5 mutant, s76a2 mutant, complex with monacolin j acid
16	clv1cA_	Alignment		14.4	50	PDB header: sh3-domain Chain: A: PDB Molecule: obscurin; PDBTitle: solution structure of the sh3 domain of obscurin
17	c3spuB_	Alignment		13.6	13	PDB header: hydrolase Chain: B: PDB Molecule: beta-lactamase ndm-1; PDBTitle: apo ndm-1 crystal structure
18	d2aioa1	Alignment		13.4	17	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: Zn metallo-beta-lactamase
19	d2gmna1	Alignment		13.3	29	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: Zn metallo-beta-lactamase
20	clvd6A_	Alignment		13.1	15	PDB header: dna binding protein Chain: A: PDB Molecule: uvrC; PDBTitle: crystal structure of the giv-yig n-terminal endonuclease2 domain of uvrC from bacillus caldotenax
21	dlhyva_	Alignment	not modelled	13.1	20	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Retroviral integrase, catalytic domain
22	dlcxqa_	Alignment	not modelled	13.0	13	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Retroviral integrase, catalytic domain
23	c2yz3B_	Alignment	not modelled	11.8	30	PDB header: hydrolase Chain: B: PDB Molecule: metallo-beta-lactamase; PDBTitle: crystallographic investigation of inhibition mode of the2 vim-2 metallo-beta-lactamase from pseudomonas aeruginosa3 with mercaptocarboxylate inhibitor
24	dlvcga2	Alignment	not modelled	11.0	14	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: ROO N-terminal domain-like
25	dle5da2	Alignment	not modelled	10.9	8	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: ROO N-terminal domain-like
26	dlp5zb_	Alignment	not modelled	10.7	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
27	c3au5B_	Alignment	not modelled	10.6	14	PDB header: motor protein Chain: B: PDB Molecule: myosin-x; PDBTitle: structure of the human myosin-x myth4-ferm cassette
28	clvmeB_	Alignment	not modelled	10.5	9	PDB header: electron transport Chain: B: PDB Molecule: flavoprotein; PDBTitle: crystal structure of flavoprotein (tm0755) from thermotoga maritima at2 1.80 a resolution PDB header: oxidoreductase

29	c2q9uB_	Alignment	not modelled	10.5	10	Chain: B: PDB Molecule: a-type flavoprotein; PDBTitle: crystal structure of the flavodiiron protein from giardia2 intestinalis
30	c3lw8G_	Alignment	not modelled	10.1	28	PDB header: signaling protein/rhoa-binding protein Chain: G: PDB Molecule: ipgb2; PDBTitle: shigella ipgb2 in complex with human rhoa, gdp and mg2+ (complex a)
31	d2cowa1	Alignment	not modelled	10.1	10	Fold: SH3-like barrel Superfamily: Cap-Gly domain Family: Cap-Gly domain
32	c3ewgA_	Alignment	not modelled	9.8	13	PDB header: transcription Chain: A: PDB Molecule: putative transcription antitermination protein nusg; PDBTitle: crystal structure of the n-terminal domain of nusg (ngn) from2 methanocaldococcus jannaschii
33	c1c0mA_	Alignment	not modelled	9.8	13	PDB header: transferase Chain: A: PDB Molecule: protein (integrase); PDBTitle: crystal structure of rsv two-domain integrase
34	d1whma_	Alignment	not modelled	9.8	19	Fold: SH3-like barrel Superfamily: Cap-Gly domain Family: Cap-Gly domain
35	d1rw2a_	Alignment	not modelled	9.6	11	Fold: alpha-alpha superhelix Superfamily: C-terminal domain of Ku80 Family: C-terminal domain of Ku80
36	c2d3o1_	Alignment	not modelled	9.4	24	PDB header: ribosome Chain: 1: PDB Molecule: trigger factor; PDBTitle: structure of ribosome binding domain of the trigger factor2 on the 50s ribosomal subunit from d. radiodurans
37	d1lixda_	Alignment	not modelled	9.0	33	Fold: SH3-like barrel Superfamily: Cap-Gly domain Family: Cap-Gly domain
38	c2b7fD_	Alignment	not modelled	8.8	24	PDB header: hydrolase/hydrolase inhibitor Chain: D: PDB Molecule: htlv protease; PDBTitle: crystal structure of human t-cell leukemia virus protease, a novel2 target for anti-cancer design
39	c1ychD_	Alignment	not modelled	8.6	15	PDB header: oxidoreductase Chain: D: PDB Molecule: nitric oxide reductase; PDBTitle: x-ray crystal structures of moorella thermoacetica fpra.2 novel diiron site structure and mechanistic insights into3 a scavenging nitric oxide reductase
40	c3s6eB_	Alignment	not modelled	8.5	18	PDB header: rna binding protein Chain: B: PDB Molecule: rna-binding protein 39; PDBTitle: crystal structure of a rna binding motif protein 39 (rbm39) from mus2 musculus at 0.95 a resolution
41	d1x8ha_	Alignment	not modelled	8.4	17	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: Zn metallo-beta-lactamase
42	d1knwa2	Alignment	not modelled	8.4	10	Fold: TIM beta/alpha-barrel Superfamily: PLP-binding barrel Family: Alanine racemase-like, N-terminal domain
43	c3f9uA_	Alignment	not modelled	8.2	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative exported cytochrome c biogenesis-related protein; PDBTitle: crystal structure of c-terminal domain of putative exported cytochrome2 c biogenesis-related protein from bacteroides fragilis
44	c2ja9A_	Alignment	not modelled	8.1	20	PDB header: rna-binding protein Chain: A: PDB Molecule: exosome complex exonuclease rrp40; PDBTitle: structure of the n-terminal deletion of yeast exosome2 component rrp40
45	c3lvzA_	Alignment	not modelled	8.1	29	PDB header: hydrolase Chain: A: PDB Molecule: blr6230 protein; PDBTitle: new refinement of the crystal structure of bjp-1, a subclass b32 metallo-beta-lactamase of bradyrhizobium japonicum
46	d2eyqa2	Alignment	not modelled	7.8	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
47	d1tova_	Alignment	not modelled	7.8	13	Fold: SH3-like barrel Superfamily: Cap-Gly domain Family: Cap-Gly domain
48	d1ul7a_	Alignment	not modelled	7.8	25	Fold: TBP-like Superfamily: KA1-like Family: Kinase associated domain 1, KA1
49	c1bw8A_	Alignment	not modelled	7.7	23	PDB header: peptide binding protein Chain: A: PDB Molecule: protein (mu2 adaptin subunit); PDBTitle: mu2 adaptin subunit (ap50) of ap2 adaptor (second domain),2 complexed with egfr internalization peptide fyalrm
50	c3sd9B_	Alignment	not modelled	7.5	21	PDB header: hydrolase Chain: B: PDB Molecule: beta-lactamase; PDBTitle: crystal structure of serratia fonticola sfh-i: source of the2 nucleophile in the catalytic mechanism of mono-zinc metallo-beta-3 lactamases
51	d1y88a1	Alignment	not modelled	7.4	44	Fold: SAM domain-like Superfamily: Rad51 N-terminal domain-like Family: Hypothetical protein AF1548, C-terminal domain
52	c2joiA_	Alignment	not modelled	7.2	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein ta0095; PDBTitle: nmr solution structure of hypothetical protein ta0095 from2 thermoplasma acidophilum
53	d2cp2a1	Alignment	not modelled	7.2	11	Fold: SH3-like barrel Superfamily: Cap-Gly domain Family: Cap-Gly domain
54	c1w26B_	Alignment	not modelled	7.1	17	PDB header: chaperone Chain: B: PDB Molecule: trigger factor;

54	c1w20B_	Alignment	not modelled	7.1	17	PDBTitle: trigger factor in complex with the ribosome forms a2 molecular cradle for nascent proteins
55	d1tp6a_	Alignment	not modelled	7.1	19	Fold: Cystatin-like Superfamily: NTF2-like Family: PA1314-like
56	d1exqa_	Alignment	not modelled	7.0	20	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Retroviral integrase, catalytic domain
57	d1mk0a_	Alignment	not modelled	6.7	25	Fold: GIY-YIG endonuclease Superfamily: GIY-YIG endonuclease Family: GIY-YIG endonuclease
58	d1xs8a_	Alignment	not modelled	6.7	18	Fold: YggX-like Superfamily: YggX-like Family: YggX-like
59	c3p8bB_	Alignment	not modelled	6.6	15	PDB header: transferase/transcription Chain: B: PDB Molecule: transcription antitermination protein nusg; PDBTitle: x-ray crystal structure of pyrococcus furiosus transcription2 elongation factor spt4/5
60	c1ex4A_	Alignment	not modelled	6.5	21	PDB header: viral protein Chain: A: PDB Molecule: integrase; PDBTitle: hiv-1 integrase catalytic core and c-terminal domain
61	c1tf2A_	Alignment	not modelled	6.4	20	PDB header: protein transport Chain: A: PDB Molecule: preprotein translocase seca subunit; PDBTitle: crystal structure of seca:adp in an open conformation from2 bacillus subtilis
62	c2qdoC_	Alignment	not modelled	6.4	54	PDB header: photosynthesis Chain: C: PDB Molecule: nbla protein; PDBTitle: nbla protein from t. vulcanus
63	d2cp5a1	Alignment	not modelled	6.3	11	Fold: SH3-like barrel Superfamily: Cap-Gly domain Family: Cap-Gly domain
64	d1whja_	Alignment	not modelled	6.2	19	Fold: SH3-like barrel Superfamily: Cap-Gly domain Family: Cap-Gly domain
65	c2bh8B_	Alignment	not modelled	6.1	20	PDB header: transcription Chain: B: PDB Molecule: 1b11; PDBTitle: combinatorial protein 1b11
66	c1k8wA_	Alignment	not modelled	6.1	12	PDB header: lyase/rna Chain: A: PDB Molecule: trna pseudouridine synthase b; PDBTitle: crystal structure of the e. coli pseudouridine synthase2 trub bound to a t stem-loop rna
67	c3rkjA_	Alignment	not modelled	6.0	13	PDB header: hydrolase Chain: A: PDB Molecule: beta-lactamase ndm-1; PDBTitle: crystal structure of new delhi metallo-beta-lactamase-1 from2 klebsiella pneumoniae
68	d1t1la2	Alignment	not modelled	5.8	28	Fold: Ribosome binding domain-like Superfamily: Trigger factor ribosome-binding domain Family: Trigger factor ribosome-binding domain
69	d1znba_	Alignment	not modelled	5.6	16	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: Zn metallo-beta-lactamase
70	d2q0ia1	Alignment	not modelled	5.5	16	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: PqsE-like
71	c2nn6G_	Alignment	not modelled	5.5	20	PDB header: hydrolase/transferase Chain: G: PDB Molecule: exosome complex exonuclease rrp40; PDBTitle: structure of the human rna exosome composed of rrp41, rrp45,2 rrp46, rrp43, mtr3, rrp42, csl4, rrp4, and rrp40
72	c3camB_	Alignment	not modelled	5.4	25	PDB header: gene regulation Chain: B: PDB Molecule: cold-shock domain family protein; PDBTitle: crystal structure of the cold shock domain protein from neisseria2 meningitidis
73	c1vsqC_	Alignment	not modelled	5.3	23	PDB header: transferase Chain: C: PDB Molecule: mannose-specific phosphotransferase enzyme iib PDBTitle: solution nmr structure of the productive complex between2 iiamannose and iibmannose of the mannose transporter of3 the e. coli phosphotransferase system
74	d2nn6g3	Alignment	not modelled	5.2	21	Fold: Eukaryotic type KH-domain (KH-domain type I) Superfamily: Eukaryotic type KH-domain (KH-domain type I) Family: Eukaryotic type KH-domain (KH-domain type I)
75	c3nadB_	Alignment	not modelled	5.2	36	PDB header: lyase Chain: B: PDB Molecule: ferulate decarboxylase; PDBTitle: crystal structure of phenolic acid decarboxylase from bacillus pumilus2 ui-670
76	c1yf2A_	Alignment	not modelled	5.2	16	PDB header: hydrolase regulator Chain: A: PDB Molecule: type i restriction-modification enzyme, s subunit; PDBTitle: three-dimensional structure of dna sequence specificity (s) subunit of2 a type i restriction-modification enzyme and its functional3 implications