



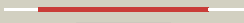












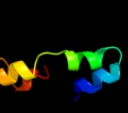









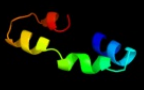
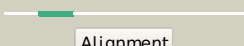

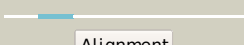

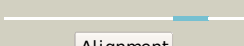

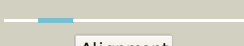








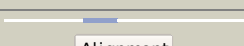
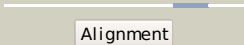
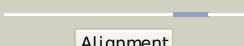




#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1r9da_	 Alignment		100.0	38	Fold: PFL-like glycyl radical enzymes Superfamily: PFL-like glycyl radical enzymes Family: PFL-like
2	c2y8nC_	 Alignment		100.0	28	PDB header: lyase Chain: C: PDB Molecule: 4-hydroxyphenylacetate decarboxylase large subunit; PDBTitle: crystal structure of glycyl radical enzyme
3	c2f3oB_	 Alignment		100.0	32	PDB header: unknown function Chain: B: PDB Molecule: pyruvate formate-lyase 2; PDBTitle: crystal structure of a glycyl radical enzyme from archaeoglobus2 fulgidus
4	d1h16a_	 Alignment		100.0	26	Fold: PFL-like glycyl radical enzymes Superfamily: PFL-like glycyl radical enzymes Family: PFL-like
5	d1qhma_	 Alignment		100.0	22	Fold: PFL-like glycyl radical enzymes Superfamily: PFL-like glycyl radical enzymes Family: PFL-like
6	d1hk8a_	 Alignment		99.4	18	Fold: PFL-like glycyl radical enzymes Superfamily: PFL-like glycyl radical enzymes Family: Class III anaerobic ribonucleotide reductase NRDD subunit
7	c1hk8A_	 Alignment		99.4	18	PDB header: oxidoreductase Chain: A: PDB Molecule: anaerobic ribonucleotide-triphosphate reductase; PDBTitle: structural basis for allosteric substrate specificity2 regulation in class iii ribonucleotide reductases:3 nrdd in complex with dgtp
8	d1qkra_	 Alignment		71.1	24	Fold: Four-helical up-and-down bundle Superfamily: alpha-catenin/vinculin-like Family: alpha-catenin/vinculin
9	d1r0ka1	 Alignment		63.9	28	Fold: Left-handed superhelix Superfamily: 1-deoxy-D-xylulose-5-phosphate reductoisomerase, C-terminal domain Family: 1-deoxy-D-xylulose-5-phosphate reductoisomerase, C-terminal domain
10	c3gr1A_	 Alignment		63.2	18	PDB header: membrane protein Chain: A: PDB Molecule: protein prgh; PDBTitle: periplasmic domain of the t3ss inner membrane protein prgh2 from s.typhimurium (fragment 170-392)
11	d1q0qa1	 Alignment		48.6	21	Fold: Left-handed superhelix Superfamily: 1-deoxy-D-xylulose-5-phosphate reductoisomerase, C-terminal domain Family: 1-deoxy-D-xylulose-5-phosphate reductoisomerase, C-terminal domain

12	c2jcyA	 Alignment		45.1	21	PDB header: oxidoreductase Chain: A: PDB Molecule: 1-deoxy-d-xylulose 5-phosphate reductoisomerase; PDBTitle: x-ray structure of mutant 1-deoxy-d-xylulose 5-phosphate2 reductoisomerase, dxr, rv2870c, from mycobacterium3 tuberculosis
13	c3au9A	 Alignment		44.5	23	PDB header: isomerase/isomerase inhibitor Chain: A: PDB Molecule: 1-deoxy-d-xylulose 5-phosphate reductoisomerase; PDBTitle: crystal structure of the quaternary complex-1 of an isomerase
14	c1r0lD	 Alignment		44.1	28	PDB header: oxidoreductase Chain: D: PDB Molecule: 1-deoxy-d-xylulose 5-phosphate reductoisomerase; PDBTitle: 1-deoxy-d-xylulose 5-phosphate reductoisomerase from2 zymomonas mobilis in complex with nadph
15	c1v9xA	 Alignment		42.2	14	PDB header: transferase Chain: A: PDB Molecule: poly (adp-ribose) polymerase; PDBTitle: solution structure of the first zn-finger domain of2 poly(adp-ribose) polymerase-1
16	c3odeA	 Alignment		38.5	18	PDB header: dna binding protein/dna Chain: A: PDB Molecule: poly [adp-ribose] polymerase 1; PDBTitle: human parp-1 zinc finger 2 (zn2) bound to dna
17	c3gr0D	 Alignment		32.4	18	PDB header: membrane protein Chain: D: PDB Molecule: protein prgh; PDBTitle: periplasmic domain of the t3ss inner membrane protein prgh from2 s.typhimurium (fragment 170-362)
18	c2cs2A	 Alignment		30.4	18	PDB header: transferase Chain: A: PDB Molecule: poly [adp-ribose] polymerase-1; PDBTitle: solution structure of the second zn-finger domain of2 poly(adp-ribose) polymerase-1
19	c2eghA	 Alignment		29.9	21	PDB header: oxidoreductase Chain: A: PDB Molecule: 1-deoxy-d-xylulose 5-phosphate reductoisomerase; PDBTitle: crystal structure of 1-deoxy-d-xylulose 5-phosphate reductoisomerase2 complexed with a magnesium ion, nadph and fosmidomycin
20	c1k5hB	 Alignment		29.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: 1-deoxy-d-xylulose-5-phosphate reductoisomerase; PDBTitle: 1-deoxy-d-xylulose-5-phosphate reductoisomerase
21	c1aq5C	 Alignment	not modelled	26.9	32	PDB header: coiled-coil Chain: C: PDB Molecule: cartilage matrix protein; PDBTitle: high-resolution solution nmr structure of the trimeric coiled-coil2 domain of chicken cartilage matrix protein, 20 structures
22	c2f40A	 Alignment	not modelled	25.9	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein pf1455; PDBTitle: structure of a novel protein from backbone-centered nmr data and nmr-2 assisted structure prediction
23	c2dmjA	 Alignment	not modelled	24.4	14	PDB header: transferase Chain: A: PDB Molecule: poly (adp-ribose) polymerase family, member 1; PDBTitle: solution structure of the first zf-parp domain of human2 poly(adp-ribose)polymerase-1
24	d1vioa2	 Alignment	not modelled	24.3	18	Fold: Alpha-L RNA-binding motif Superfamily: Alpha-L RNA-binding motif Family: Pseudouridine synthase RsuA N-terminal domain
25	d1jvaa3	 Alignment	not modelled	21.2	11	Fold: Homing endonuclease-like Superfamily: Homing endonucleases Family: Intein endonuclease
26	c2z4tA	 Alignment	not modelled	20.2	15	PDB header: transferase Chain: A: PDB Molecule: beta-galactoside alpha-2,6-sialyltransferase; PDBTitle: crystal structure of vibronaceae photobacterium sp. jt- ish-224 2,6-2 sialyltransferase in a ternary complex with donor product cmp and3 acceptor substrate lactose
27	d1u5tb1	 Alignment	not modelled	19.6	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Vacuolar sorting protein domain
						Fold: N domain of copper amine oxidase-like

28	d1v5ra1	Alignment	not modelled	18.9	44	Superfamily: GAS2 domain-like Family: GAS2 domain
29	d1p9ka	Alignment	not modelled	18.2	14	Fold: Alpha-L RNA-binding motif Superfamily: Alpha-L RNA-binding motif Family: YbcJ-like
30	d2i9ia1	Alignment	not modelled	17.7	20	Fold: Anticodon-binding domain-like Superfamily: XCC0632-like Family: NLBH-like
31	c2i9iA	Alignment	not modelled	17.7	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of helicobacter pylori protein hp0492
32	d1nh2a2	Alignment	not modelled	17.3	21	Fold: TBP-like Superfamily: TATA-box binding protein-like Family: TATA-box binding protein (TBP), C-terminal domain
33	c2jobA	Alignment	not modelled	17.1	14	PDB header: lipid binding protein Chain: A: PDB Molecule: antilipopolysaccharide factor; PDBTitle: solution structure of an antilipopolysaccharide factor from2 shrimp and its possible lipid a binding site
34	c1fuiB	Alignment	not modelled	16.9	20	PDB header: isomerase Chain: B: PDB Molecule: l-fucose isomerase; PDBTitle: l-fucose isomerase from escherichia coli
35	d1pgja1	Alignment	not modelled	16.7	27	Fold: 6-phosphogluconate dehydrogenase C-terminal domain-like Superfamily: 6-phosphogluconate dehydrogenase C-terminal domain-like Family: Hydroxyisobutyrate and 6-phosphogluconate dehydrogenase domain
36	d1aisa1	Alignment	not modelled	16.5	9	Fold: TBP-like Superfamily: TATA-box binding protein-like Family: TATA-box binding protein (TBP), C-terminal domain
37	d1nh2a1	Alignment	not modelled	16.5	17	Fold: TBP-like Superfamily: TATA-box binding protein-like Family: TATA-box binding protein (TBP), C-terminal domain
38	d1i36a1	Alignment	not modelled	16.4	18	Fold: 6-phosphogluconate dehydrogenase C-terminal domain-like Superfamily: 6-phosphogluconate dehydrogenase C-terminal domain-like Family: Conserved hypothetical protein MTH1747
39	c2q01A	Alignment	not modelled	16.1	15	PDB header: isomerase Chain: A: PDB Molecule: uronate isomerase; PDBTitle: crystal structure of glucuronate isomerase from caulobacter crescentus
40	d1qnaa2	Alignment	not modelled	16.1	21	Fold: TBP-like Superfamily: TATA-box binding protein-like Family: TATA-box binding protein (TBP), C-terminal domain
41	d1irxa1	Alignment	not modelled	15.8	13	Fold: An anticodon-binding domain of class I aminoacyl-tRNA synthetases Superfamily: An anticodon-binding domain of class I aminoacyl-tRNA synthetases Family: C-terminal domain of class I lysyl-tRNA synthetase
42	d1r0ka3	Alignment	not modelled	15.8	30	Fold: FwdE/GAPDH domain-like Superfamily: Glyceraldehyde-3-phosphate dehydrogenase-like, C-terminal domain Family: Dihydrodipicolinate reductase-like
43	d1mp9a1	Alignment	not modelled	15.8	36	Fold: TBP-like Superfamily: TATA-box binding protein-like Family: TATA-box binding protein (TBP), C-terminal domain
44	d1aisa2	Alignment	not modelled	15.6	33	Fold: TBP-like Superfamily: TATA-box binding protein-like Family: TATA-box binding protein (TBP), C-terminal domain
45	c2knjA	Alignment	not modelled	15.4	17	PDB header: antimicrobial protein Chain: A: PDB Molecule: microplusin preprotein; PDBTitle: nmr structure of microplusin a antimicrobial peptide from2 rhipicephalus (boophilus) microplus
46	d2i15a1	Alignment	not modelled	15.2	40	Fold: MG296-like Superfamily: MG296-like Family: MG296-like
47	c3inpA	Alignment	not modelled	14.9	16	PDB header: isomerase Chain: A: PDB Molecule: d-ribulose-phosphate 3-epimerase; PDBTitle: 2.05 angstrom resolution crystal structure of d-ribulose-phosphate 3-2 epimerase from francisella tularensis.
48	d1uj8a1	Alignment	not modelled	14.7	12	Fold: Another 3-helical bundle Superfamily: IscX-like Family: IscX-like
49	c3eagA	Alignment	not modelled	14.6	22	PDB header: ligase Chain: A: PDB Molecule: udp-n-acetylmuramate:l-alanyl-gamma-d-glutamyl-meso- PDBTitle: the crystal structure of udp-n-acetylmuramate:l-alanyl-gamma-d-2 glutamyl-meso-diaminopimelate ligase (mpl) from neisseria3 meningitides
50	d1qnaa1	Alignment	not modelled	14.4	17	Fold: TBP-like Superfamily: TATA-box binding protein-like Family: TATA-box binding protein (TBP), C-terminal domain
51	d1dq3a4	Alignment	not modelled	14.4	19	Fold: Homing endonuclease-like Superfamily: Homing endonucleases Family: Intein endonuclease
52	d1mp9a2	Alignment	not modelled	14.3	33	Fold: TBP-like Superfamily: TATA-box binding protein-like Family: TATA-box binding protein (TBP), C-terminal domain
53	c2khvA	Alignment	not modelled	14.1	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: phage integrase; PDBTitle: solution nmr structure of protein nmul_a0922 from2 nitrospira multiformis, northeast structural genomics3 consortium target nmr38b.

54	d1rlfa_	Alignment	not modelled	13.8	8	Fold: beta-Grasp (ubiquitin-like) Superfamily: Ubiquitin-like Family: Ras-binding domain, RBD
55	d1q5qh_	Alignment	not modelled	13.4	18	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
56	d1fi3a_	Alignment	not modelled	13.3	8	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
57	d1nj1a3	Alignment	not modelled	13.3	17	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
58	d1cdwa2	Alignment	not modelled	13.3	16	Fold: TBP-like Superfamily: TATA-box binding protein-like Family: TATA-box binding protein (TBP), C-terminal domain
59	c3a14B_	Alignment	not modelled	13.1	16	PDB header: oxidoreductase Chain: B: PDB Molecule: 1-deoxy-d-xylulose 5-phosphate reductoisomerase; PDBTitle: crystal structure of dxr from thermotoga maritima, in complex with2 nadph
60	d1rypi_	Alignment	not modelled	12.9	19	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
61	c1r8jB_	Alignment	not modelled	12.9	26	PDB header: circadian clock protein Chain: B: PDB Molecule: kaia; PDBTitle: crystal structure of circadian clock protein kaia from2 synechococcus elongatus
62	d2bm3a1	Alignment	not modelled	12.9	17	Fold: Common fold of diphtheria toxin/transcription factors/cytochrome f Superfamily: Carbohydrate-binding domain Family: Cellulose-binding domain family III
63	d1cdwa1	Alignment	not modelled	12.8	17	Fold: TBP-like Superfamily: TATA-box binding protein-like Family: TATA-box binding protein (TBP), C-terminal domain
64	d1tyja1	Alignment	not modelled	12.5	22	Fold: Common fold of diphtheria toxin/transcription factors/cytochrome f Superfamily: Carbohydrate-binding domain Family: Cellulose-binding domain family III
65	d1yuua2	Alignment	not modelled	12.5	44	Fold: Rubredoxin-like Superfamily: Zinc beta-ribbon Family: Prokaryotic DNA topoisomerase I, a C-terminal fragment
66	c3ol0C_	Alignment	not modelled	12.3	17	PDB header: de novo protein Chain: C: PDB Molecule: de novo designed monomer trefoil-fold sub-domain which PDBTitle: crystal structure of monofoil-4p homo-trimer: de novo designed monomer2 trefoil-fold sub-domain which forms homo-trimer assembly
67	c2b59A_	Alignment	not modelled	12.3	17	PDB header: hydrolase/structural protein Chain: A: PDB Molecule: cog1196: chromosome segregation atpases; PDBTitle: the type ii cohesin dockerin complex
68	c3d36B_	Alignment	not modelled	12.2	13	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: sporulation kinase b; PDBTitle: how to switch off a histidine kinase: crystal structure of2 geobacillus stearothermophilus kinb with the inhibitor sda
69	d1ciia1	Alignment	not modelled	12.2	28	Fold: Toxins' membrane translocation domains Superfamily: Colicin Family: Colicin
70	c2vpmB_	Alignment	not modelled	12.1	11	PDB header: ligase Chain: B: PDB Molecule: trypanothione synthetase; PDBTitle: trypanothione synthetase
71	c3ghpA_	Alignment	not modelled	12.1	26	PDB header: structural protein Chain: A: PDB Molecule: cellulosomal scaffoldin adaptor protein b; PDBTitle: structure of the second type ii cohesin module from the2 adaptor scaa scaffoldin of acetivibrio cellulolyticus3 (including long c-terminal linker)
72	c3thgA_	Alignment	not modelled	12.0	31	PDB header: protein binding Chain: A: PDB Molecule: ribulose bisphosphate carboxylase/oxygenase activase 1, PDBTitle: crystal structure of the creosote rubisco activase c-domain
73	c2a7oA_	Alignment	not modelled	12.0	18	PDB header: transcription Chain: A: PDB Molecule: huntingtin interacting protein b; PDBTitle: solution structure of the hset2/hypb sri domain
74	c2kwvA_	Alignment	not modelled	11.9	36	PDB header: protein binding/signaling protein Chain: A: PDB Molecule: dna polymerase iota; PDBTitle: solution structure of ubm1 of murine polymerase iota in complex with2 ubiquitin
75	d1w7pd1	Alignment	not modelled	11.9	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Vacuolar sorting protein domain
76	c3fnkA_	Alignment	not modelled	11.6	26	PDB header: structural protein Chain: A: PDB Molecule: cellulosomal scaffoldin adaptor protein b; PDBTitle: crystal structure of the second type ii cohesin module from2 the cellulosomal adaptor scaa scaffoldin of acetivibrio3 cellulolyticus
77	c1u57A_	Alignment	not modelled	11.6	15	PDB header: viral protein Chain: A: PDB Molecule: gag polyprotein; PDBTitle: nmr structure of the (345-392)gag sequence from hiv-1
78	c3hvx6A_	Alignment	not modelled	11.5	38	PDB header: hydrolase Chain: A: PDB Molecule: ribonuclease;

78	c21xvA_	Alignment	not modelled	11.3	38	PDBTitle: solution structure analysis of the phage t42 endoribonuclease regb PDB header: hydrolase/hydrolase inhibitor
79	c3nzwH_	Alignment	not modelled	11.3	19	Chain: H: PDB Molecule: proteasome component pup1; PDBTitle: crystal structure of the yeast 20s proteasome in complex with 2b
80	d1aoya_	Alignment	not modelled	11.1	33	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Arginine repressor (ArgR), N-terminal DNA-binding domain
81	d1zv9a1	Alignment	not modelled	11.1	30	Fold: Common fold of diphtheria toxin/transcription factors/cytochrome f Superfamily: Carbohydrate-binding domain Family: Cellulose-binding domain family III
82	c3vjJA_	Alignment	not modelled	11.1	18	PDB header: viral protein Chain: A: PDB Molecule: p9-1; PDBTitle: crystal structure analysis of the p9-1
83	c3orvA_	Alignment	not modelled	11.1	14	PDB header: hydrolase Chain: A: PDB Molecule: flap endonuclease 1; PDBTitle: crystal structure of flap endonuclease 1 from hyperthermophilic2 archaeon desulfurococcus amylolyticus
84	d1st6a7	Alignment	not modelled	11.0	11	Fold: Four-helical up-and-down bundle Superfamily: alpha-catenin/vinculin-like Family: alpha-catenin/vinculin
85	d1uw0a_	Alignment	not modelled	10.9	9	Fold: Glucocorticoid receptor-like (DNA-binding domain) Superfamily: Glucocorticoid receptor-like (DNA-binding domain) Family: PARP-type zinc finger
86	c2i6lB_	Alignment	not modelled	10.8	17	PDB header: transferase Chain: B: PDB Molecule: mitogen-activated protein kinase 6; PDBTitle: crystal structure of human mitogen activated protein kinase2 6 (mapk6)
87	c2d2rA_	Alignment	not modelled	10.8	14	PDB header: transferase Chain: A: PDB Molecule: undecaprenyl pyrophosphate synthase; PDBTitle: crystal structure of helicobacter pylori undecaprenyl pyrophosphate2 synthase
88	d1hx8a1	Alignment	not modelled	10.7	13	Fold: Spectrin repeat-like Superfamily: GAT-like domain Family: Phosphoinositide-binding clathrin adaptor, domain 2
89	d2gykb1	Alignment	not modelled	10.6	22	Fold: His-Me finger endonucleases Superfamily: His-Me finger endonucleases Family: HNH-motif
90	d2g39a2	Alignment	not modelled	10.6	20	Fold: NagB/RpiA/CoA transferase-like Superfamily: NagB/RpiA/CoA transferase-like Family: CoA transferase alpha subunit-like
91	c3ltiA_	Alignment	not modelled	10.5	10	PDB header: transferase Chain: A: PDB Molecule: dna-directed rna polymerase subunit beta; PDBTitle: crystal structure of the escherichia coli rna polymerase beta subunit2 beta2-beta14 domains
92	c2fhgC_	Alignment	not modelled	10.2	11	PDB header: hydrolase Chain: C: PDB Molecule: proteasome, beta subunit; PDBTitle: crystal structure of mycobacterial tuberculosis proteasome
93	d2jb0b1	Alignment	not modelled	10.0	17	Fold: His-Me finger endonucleases Superfamily: His-Me finger endonucleases Family: HNH-motif
94	d1x9na2	Alignment	not modelled	10.0	11	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: DNA ligase/mRNA capping enzyme postcatalytic domain
95	c3kh0A_	Alignment	not modelled	9.8	17	PDB header: signaling protein Chain: A: PDB Molecule: ral guanine nucleotide dissociation stimulator; PDBTitle: crystal structure of the ras-association (ra) domain of2 ralgds
96	c7ceiB_	Alignment	not modelled	9.8	18	PDB header: immune system Chain: B: PDB Molecule: protein (colicin e7 immunity protein); PDBTitle: the endonuclease domain of colicin e7 in complex with its inhibitor2 im7 protein
97	d1r6oc1	Alignment	not modelled	9.6	26	Fold: ClpS-like Superfamily: ClpS-like Family: Adaptor protein ClpS (YljA)
98	d1sj8a2	Alignment	not modelled	9.5	17	Fold: I/LWEQ domain Superfamily: I/LWEQ domain Family: I/LWEQ domain
99	d1lfda_	Alignment	not modelled	9.4	13	Fold: beta-Grasp (ubiquitin-like) Superfamily: Ubiquitin-like Family: Ras-binding domain, RBD