
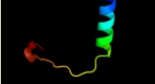
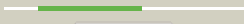






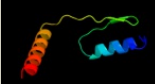





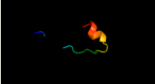

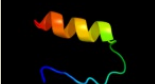

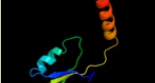

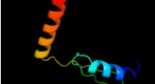


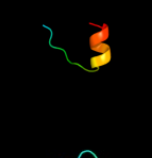

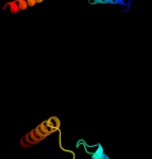
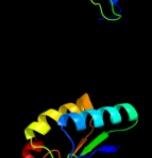


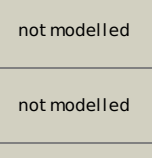


Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3mxnA_	 Alignment		62.6	17	PDB header: replication Chain: A: PDB Molecule: recq-mediated genome instability protein 1; PDBTitle: crystal structure of the rmi core complex
2	c2ke4A_	 Alignment		52.2	26	PDB header: membrane protein Chain: A: PDB Molecule: cdc42-interacting protein 4; PDBTitle: the nmr structure of the tc10 and cdc42 interacting domain2 of cip4
3	d2ca5a1	 Alignment		48.9	14	Fold: Long alpha-hairpin Superfamily: MxiH-like Family: MxiH-like
4	c3dxsX_	 Alignment		44.9	36	PDB header: hydrolase Chain: X: PDB Molecule: copper-transporting atpase ran1; PDBTitle: crystal structure of a copper binding domain from hma7, a p-2 type atpase
5	d1is1a_	 Alignment		43.9	23	Fold: RRF/tRNA synthetase additional domain-like Superfamily: Ribosome recycling factor, RRF Family: Ribosome recycling factor, RRF
6	d1ge9a_	 Alignment		39.4	19	Fold: RRF/tRNA synthetase additional domain-like Superfamily: Ribosome recycling factor, RRF Family: Ribosome recycling factor, RRF
7	d1bcoa1	 Alignment		35.3	29	Fold: mu transposase, C-terminal domain Superfamily: mu transposase, C-terminal domain Family: mu transposase, C-terminal domain
8	c3kwmC_	 Alignment		34.7	30	PDB header: isomerase Chain: C: PDB Molecule: ribose-5-phosphate isomerase a; PDBTitle: crystal structure of ribose-5-isomerase a
9	d1osda_	 Alignment		33.7	20	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
10	d1eh1a_	 Alignment		33.4	22	Fold: RRF/tRNA synthetase additional domain-like Superfamily: Ribosome recycling factor, RRF Family: Ribosome recycling factor, RRF
11	d1dd5a_	 Alignment		32.7	16	Fold: RRF/tRNA synthetase additional domain-like Superfamily: Ribosome recycling factor, RRF Family: Ribosome recycling factor, RRF

12	d1m0sa2	Alignment		32.5	35	Fold: Ferredoxin-like Superfamily: D-ribose-5-phosphate isomerase (RpiA), lid domain Family: D-ribose-5-phosphate isomerase (RpiA), lid domain
13	d2aw0a_	Alignment		32.4	24	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
14	c2pjmA_	Alignment		32.0	35	PDB header: isomerase Chain: A: PDB Molecule: ribose-5-phosphate isomerase a; PDBTitle: structure of ribose 5-phosphate isomerase a from2 methanocaldococcus jannaschii
15	c1yjrA_	Alignment		30.4	16	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 1; PDBTitle: solution structure of the apo form of the sixth soluble2 domain a69p mutant of menkes protein
16	d1ek8a_	Alignment		29.9	25	Fold: RRF/tRNA synthetase additional domain-like Superfamily: Ribosome recycling factor, RRF Family: Ribosome recycling factor, RRF
17	d1wqga1	Alignment		28.8	25	Fold: RRF/tRNA synthetase additional domain-like Superfamily: Ribosome recycling factor, RRF Family: Ribosome recycling factor, RRF
18	c1nu5A_	Alignment		28.8	14	PDB header: isomerase Chain: A: PDB Molecule: chloromuconate cycloisomerase; PDBTitle: crystal structure of pseudomonas sp. p51 chloromuconate lactonizing2 enzyme
19	c1nh1A_	Alignment		28.2	37	PDB header: protein transport Chain: A: PDB Molecule: synaptosomal-associated protein 23; PDBTitle: snap-23n structure
20	c2rogA_	Alignment		27.4	26	PDB header: metal binding protein Chain: A: PDB Molecule: heavy metal binding protein; PDBTitle: solution structure of thermophilus hb8 ttha17182 protein in living e. coli cells
21	d1uj4a2	Alignment	not modelled	26.7	35	Fold: Ferredoxin-like Superfamily: D-ribose-5-phosphate isomerase (RpiA), lid domain Family: D-ribose-5-phosphate isomerase (RpiA), lid domain
22	d1spia_	Alignment	not modelled	26.0	50	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
23	c3l7oB_	Alignment	not modelled	25.2	20	PDB header: isomerase Chain: B: PDB Molecule: ribose-5-phosphate isomerase a; PDBTitle: crystal structure of ribose-5-phosphate isomerase a from streptococcus2 mutans ua159
24	c3cqxD_	Alignment	not modelled	25.1	19	PDB header: chaperone Chain: D: PDB Molecule: bag family molecular chaperone regulator 2; PDBTitle: chaperone complex
25	c3u7jA_	Alignment	not modelled	24.8	45	PDB header: isomerase Chain: A: PDB Molecule: ribose-5-phosphate isomerase a; PDBTitle: crystal structure of ribose-5-phosphate isomerase a from burkholderia2 thailandensis
26	c1lkzB_	Alignment	not modelled	23.9	50	PDB header: isomerase Chain: B: PDB Molecule: ribose 5-phosphate isomerase a; PDBTitle: crystal structure of d-ribose-5-phosphate isomerase (rpiA)2 from escherichia coli.
27	d1o8ba2	Alignment	not modelled	23.6	50	Fold: Ferredoxin-like Superfamily: D-ribose-5-phosphate isomerase (RpiA), lid domain Family: D-ribose-5-phosphate isomerase (RpiA), lid domain
28	c1m0sA_	Alignment	not modelled	23.2	35	PDB header: isomerase Chain: A: PDB Molecule: ribose-5-phosphate isomerase a; PDBTitle: northeast structural genomics consortium (nesg id ir21)
						PDB header: metal binding protein

29	c2l3mA	Alignment	not modelled	22.3	20	Chain: A: PDB Molecule: copper-ion-binding protein; PDBTitle: solution structure of the putative copper-ion-binding protein from2 bacillus anthracis str. ames
30	d1ftaa	Alignment	not modelled	22.3	50	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
31	d1p6ta1	Alignment	not modelled	22.2	17	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
32	d1q8la	Alignment	not modelled	22.1	8	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
33	d1mwza	Alignment	not modelled	22.0	26	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
34	c3tj4B	Alignment	not modelled	21.8	14	PDB header: lyase Chain: B: PDB Molecule: mandelate racemase; PDBTitle: crystal structure of an enolase from agrobacterium tumefaciens (efi2 target efi-502087) no mg
35	c1xtzA	Alignment	not modelled	21.8	30	PDB header: isomerase Chain: A: PDB Molecule: ribose-5-phosphate isomerase; PDBTitle: crystal structure of the s. cerevisiae d-ribose-5-phosphate isomerase:2 comparison with the archeal and bacterial enzymes
36	c2qv5A	Alignment	not modelled	21.7	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein atu2773; PDBTitle: crystal structure of uncharacterized protein atu2773 from2 agrobacterium tumefaciens c58
37	c2ofhX	Alignment	not modelled	21.5	22	PDB header: hydrolase, membrane protein Chain: X: PDB Molecule: zinc-transporting atpase; PDBTitle: solution structure of the n-terminal domain of the zinc(ii) atpase2 ziaa in its apo form
38	d1r6wa1	Alignment	not modelled	21.5	26	Fold: TIM beta/alpha-barrel Superfamily: Enolase C-terminal domain-like Family: D-glucarate dehydratase-like
39	c1uj6A	Alignment	not modelled	21.2	35	PDB header: isomerase Chain: A: PDB Molecule: ribose 5-phosphate isomerase; PDBTitle: crystal structure of thermus thermophilus ribose-5-phosphate isomerase2 complexed with arabinose-5-phosphate
40	c2kt2A	Alignment	not modelled	19.9	12	PDB header: oxidoreductase Chain: A: PDB Molecule: mercuric reductase; PDBTitle: structure of nmera, the n-terminal hma domain of tn501 mercuric2 reductase
41	c3czqA	Alignment	not modelled	19.9	23	PDB header: transferase Chain: A: PDB Molecule: putative polyphosphate kinase 2; PDBTitle: crystal structure of putative polyphosphate kinase 2 from2 sinorhizobium meliloti
42	c1lk5C	Alignment	not modelled	19.5	35	PDB header: isomerase Chain: C: PDB Molecule: d-ribose-5-phosphate isomerase; PDBTitle: structure of the d-ribose-5-phosphate isomerase from2 pyrococcus horikoshii
43	c2kkhA	Alignment	not modelled	19.2	27	PDB header: metal transport Chain: A: PDB Molecule: putative heavy metal transporter; PDBTitle: structure of the zinc binding domain of the atpase hma4
44	c2fhyL	Alignment	not modelled	18.5	50	PDB header: hydrolase Chain: L: PDB Molecule: fructose-1,6-bisphosphatase 1; PDBTitle: structure of human liver fpbase complexed with a novel2 benzoxazole as allosteric inhibitor
45	c1svfC	Alignment	not modelled	18.3	35	PDB header: viral protein Chain: C: PDB Molecule: protein (fusion glycoprotein); PDBTitle: paramyxovirus sv5 fusion protein core
46	d1p6ta2	Alignment	not modelled	18.0	12	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
47	c1y3kA	Alignment	not modelled	18.0	30	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 1; PDBTitle: solution structure of the apo form of the fifth domain of2 menkes protein
48	c2qgyA	Alignment	not modelled	17.8	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: enolase from the environmental genome shotgun PDBTitle: crystal structure of an enolase from the environmental2 genome shotgun sequencing of the sargasso sea
49	c2gq1A	Alignment	not modelled	17.8	38	PDB header: hydrolase Chain: A: PDB Molecule: fructose-1,6-bisphosphatase; PDBTitle: crystal structure of recombinant type i fructose-1,6-bisphosphatase2 from escherichia coli complexed with sulfate ions
50	c2jvrA	Alignment	not modelled	17.7	33	PDB header: rna binding protein Chain: A: PDB Molecule: nucleolar protein 3; PDBTitle: segmental isotope labeling of npl3p
51	d1nuwa	Alignment	not modelled	17.3	50	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
52	d1afia	Alignment	not modelled	17.0	20	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
53	c1bm4A	Alignment	not modelled	17.0	38	PDB header: viral protein Chain: A: PDB Molecule: protein (moloney murine leukemia virus capsid); PDBTitle: momlv capsid protein major homology region peptide analog
54	d1w55a2	Alignment	not modelled	16.9	19	Fold: Bacillus chorismate mutase-like Superfamily: lpsF-like Family: lpsF-like

55	c2v6lI_	Alignment	not modelled	16.8	14	PDB header: protein transport Chain: I: PDB Molecule: mxih; PDBTitle: molecular model of a type iii secretion system needle
56	d2fiqa1	Alignment	not modelled	16.2	17	Fold: TIM beta/alpha-barrel Superfamily: Aldolase Family: GatZ-like
57	c3h2zA_	Alignment	not modelled	16.1	13	PDB header: oxidoreductase Chain: A: PDB Molecule: mannitol-1-phosphate 5-dehydrogenase; PDBTitle: the crystal structure of mannitol-1-phosphate dehydrogenase from2 shigella flexneri
58	c2pmpA_	Alignment	not modelled	16.1	31	PDB header: lyase Chain: A: PDB Molecule: 2-c-methyl-d-erythritol 2,4-cyclodiphosphate synthase; PDBTitle: structure of 2c-methyl-d-erythritol 2,4-cyclodiphosphate synthase from2 the isoprenoid biosynthetic pathway of arabidopsis thaliana
59	c3ugvE_	Alignment	not modelled	15.9	15	PDB header: lyase Chain: E: PDB Molecule: enolase; PDBTitle: crystal structure of an enolase from alpha pretobacterium bal199 (efi2 target efi-501650) with bound mg
60	d1bk4a_	Alignment	not modelled	15.4	50	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
61	d1lk5a2	Alignment	not modelled	15.1	35	Fold: Ferredoxin-like Superfamily: D-ribose-5-phosphate isomerase (RpiA), lid domain Family: D-ribose-5-phosphate isomerase (RpiA), lid domain
62	c2d7dB_	Alignment	not modelled	14.8	23	PDB header: hydrolase/dna Chain: B: PDB Molecule: 40-mer from uvrabc system protein b; PDBTitle: structural insights into the cryptic dna dependent atp-ase2 activity of uvrbc
63	c3ce2A_	Alignment	not modelled	14.6	19	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative peptidase; PDBTitle: crystal structure of putative peptidase from chlamydomophila abortus
64	d2qifa1	Alignment	not modelled	14.2	36	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
65	c2qnFB_	Alignment	not modelled	14.1	12	PDB header: hydrolase/dna Chain: B: PDB Molecule: recombination endonuclease vii; PDBTitle: crystal structure of t4 endonuclease vii h43n mutant in2 complex with heteroduplex dna containing base mismatches
66	c2o012_	Alignment	not modelled	14.0	55	PDB header: photosynthesis Chain: 2: PDB Molecule: type ii chlorophyll a/b binding protein from PDBTitle: the structure of a plant photosystem i supercomplex at 3.42 angstrom resolution
67	c1yg0A_	Alignment	not modelled	13.9	32	PDB header: metal transport Chain: A: PDB Molecule: cop associated protein; PDBTitle: solution structure of apo-copp from helicobacter pylori
68	c2gcfA_	Alignment	not modelled	13.7	23	PDB header: hydrolase Chain: A: PDB Molecule: cation-transporting atpase pacs; PDBTitle: solution structure of the n-terminal domain of the copppe(i) atpase2 pacs in its apo form
69	c3hheA_	Alignment	not modelled	13.6	20	PDB header: isomerase Chain: A: PDB Molecule: ribose-5-phosphate isomerase a; PDBTitle: crystal structure of ribose-5-phosphate isomerase a from bartonella2 henselae
70	c2jowA_	Alignment	not modelled	12.9	27	PDB header: transport protein Chain: A: PDB Molecule: protein prgi; PDBTitle: differences in the electrostatic surfaces of the type iii2 secretion needle proteins
71	d1gx1a_	Alignment	not modelled	12.8	18	Fold: Bacillus chorismate mutase-like Superfamily: lpsF-like Family: lpsF-like
72	c2ldiA_	Alignment	not modelled	12.6	22	PDB header: hydrolase Chain: A: PDB Molecule: zinc-transporting atpase; PDBTitle: nmr solution structure of ziaan sub mutant
73	c2oz8B_	Alignment	not modelled	11.6	16	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: ml17089 protein; PDBTitle: crystal structure of putative mandelate racemase from mesorhizobium2 loti
74	c2kyzA_	Alignment	not modelled	11.6	14	PDB header: metal binding protein Chain: A: PDB Molecule: heavy metal binding protein; PDBTitle: nmr structure of heavy metal binding protein tm0320 from thermotoga2 maritima
75	d1wi6a1	Alignment	not modelled	11.3	22	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
76	c3q45E_	Alignment	not modelled	11.1	19	PDB header: isomerase Chain: E: PDB Molecule: mandelate racemase/muconate lactonizing enzyme family; PDBTitle: crystal structure of dipeptide epimerase from cytophaga hutchinsonii2 complexed with mg and dipeptide d-ala-l-val
77	c3g65A_	Alignment	not modelled	10.9	20	PDB header: cell cycle Chain: A: PDB Molecule: cell cycle checkpoint control protein rad9a; PDBTitle: crystal structure of the human rad9-rad1-hus1 dna damage2 checkpoint complex
78	c3ohwB_	Alignment	not modelled	10.8	44	PDB header: protein binding Chain: B: PDB Molecule: phycobilisome lcm core-membrane linker polypeptide; PDBTitle: x-ray structure of phycobilisome lcm core-membrane linker polypeptide2 (fragment 721-860) from synechocystis sp. pcc 6803, northeast3 structural genomics consortium target sgr209e
79	c3kmlB_	Alignment	not modelled	10.4	22	PDB header: viral protein Chain: B: PDB Molecule: coat protein; PDBTitle: circular permutant of the tobacco mosaic virus

80	d1rwta	Alignment	not modelled	10.4	21	Fold: Chlorophyll a-b binding protein Superfamily: Chlorophyll a-b binding protein Family: Chlorophyll a-b binding protein
81	c2f8mB	Alignment	not modelled	10.1	30	PDB header: isomerase Chain: B: PDB Molecule: ribose 5-phosphate isomerase; PDBTitle: ribose 5-phosphate isomerase from plasmodium falciparum
82	c2ky4A	Alignment	not modelled	9.9	29	PDB header: photosynthesis Chain: A: PDB Molecule: phycobilisome linker polypeptide; PDBTitle: solution nmr structure of the pbs linker domain of phycobilisome2 linker polypeptide from anabaena sp. northeast structural genomics3 consortium target nsr123e
83	d1s6ua	Alignment	not modelled	9.8	12	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
84	d1brwa1	Alignment	not modelled	9.6	17	Fold: Methionine synthase domain-like Superfamily: Nucleoside phosphorylase/phosphoribosyltransferase N-terminal domain Family: Nucleoside phosphorylase/phosphoribosyltransferase N-terminal domain
85	c3l9vE	Alignment	not modelled	9.3	24	PDB header: oxidoreductase Chain: E: PDB Molecule: putative thiol-disulfide isomerase or thioredoxin; PDBTitle: crystal structure of salmonella enterica serovar typhimurium srga
86	d1kvja	Alignment	not modelled	8.8	16	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
87	d1d9qa	Alignment	not modelled	8.8	53	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
88	c2bezC	Alignment	not modelled	8.8	22	PDB header: viral protein Chain: C: PDB Molecule: e2 glycoprotein; PDBTitle: structure of a proteolitically resistant core from the2 severe acute respiratory syndrome coronavirus s2 fusion3 protein
89	c1ybxA	Alignment	not modelled	8.7	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: conserved hypothetical protein; PDBTitle: conserved hypothetical protein cth-383 from clostridium thermocellum
90	c2x5kO	Alignment	not modelled	8.7	16	PDB header: oxidoreductase Chain: O: PDB Molecule: d-erythrose-4-phosphate dehydrogenase; PDBTitle: structure of an active site mutant of the d-erythrose-4-phosphate2 dehydrogenase from e. coli
91	c2osrA	Alignment	not modelled	8.3	35	PDB header: rna binding protein Chain: A: PDB Molecule: nucleolar protein 3; PDBTitle: nmr structure of rrm-2 of yeast npl3 protein
92	d1jjcb6	Alignment	not modelled	8.2	21	Fold: PheT/TiIS domain Superfamily: PheT/TiIS domain Family: B3/B4 domain of PheRS, PheT
93	d2phcb2	Alignment	not modelled	8.1	16	Fold: DCoH-like Superfamily: PH0987 N-terminal domain-like Family: PH0987 N-terminal domain-like
94	c3uksB	Alignment	not modelled	7.9	40	PDB header: hydrolase Chain: B: PDB Molecule: sedoheptulose-1,7 bisphosphatase, putative; PDBTitle: 1.85 angstrom crystal structure of putative sedoheptulose-1,72 bisphosphatase from toxoplasma gondii
95	d1hdgo2	Alignment	not modelled	7.8	26	Fold: FwdE/GAPDH domain-like Superfamily: Glyceraldehyde-3-phosphate dehydrogenase-like, C-terminal domain Family: GAPDH-like
96	c3tr9A	Alignment	not modelled	7.8	37	PDB header: transferase Chain: A: PDB Molecule: dihydropteroate synthase; PDBTitle: structure of a dihydropteroate synthase (folp) in complex with pteroi2 acid from coxiella burnetii
97	d2tpta1	Alignment	not modelled	7.7	7	Fold: Methionine synthase domain-like Superfamily: Nucleoside phosphorylase/phosphoribosyltransferase N-terminal domain Family: Nucleoside phosphorylase/phosphoribosyltransferase N-terminal domain
98	d1e52a	Alignment	not modelled	7.6	20	Fold: Long alpha-hairpin Superfamily: C-terminal UvrC-binding domain of UvrB Family: C-terminal UvrC-binding domain of UvrB
99	d2ggpb1	Alignment	not modelled	7.5	19	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain