

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	clyueA_	Alignment		100.0	70	PDB header:viral protein Chain: A: PDB Molecule:head vertex protein gp24; PDBTitle: bacteriophage t4 capsid vertex protein gp24
2	d2ft1a1	Alignment		96.3	17	Fold:Major capsid protein gp5 Superfamily:Major capsid protein gp5 Family:Major capsid protein gp5
3	c1if0A_	Alignment	Lunu	94.8	17	PDB header:virus Chain: A: PDB Molecule:protein (major capsid protein gp5); PDBTitle: pseudo-atomic model of bacteriophage hk97 procapsid2 (prohead ii)
4	<u>c3j7wF</u> _	Alignment	Canimo	63.5	10	PDB header:virus Chain: F: PDB Molecule:major capsid protein 10a; PDBTitle: capsid expansion mechanism of bacteriophage t7 revealed by multi-state2 atomic models derived from cryo-em reconstructions
5	<u>d2j9ga1</u>	Alignment		45.4	19	Fold:Barrel-sandwich hybrid Superfamily:Rudiment single hybrid motif Family:BC C-terminal domain-like
6	<u>c4bmlA</u> _	Alignment	(2 mmm	43.0	12	PDB header:virus Chain: A: PDB Molecule:major capsid protein; PDBTitle: c-alpha backbone trace of major capsid protein gp39 found2 in marine virus syn5.
7	<u>c3p8qF</u> _	Alignment	Received to the second	41.5	16	PDB header:virus Chain: F: PDB Molecule:gp5, head protein; PDBTitle: hk97 prohead i encapsidating inactive virally encoded protease
8	c2xd8F_	Alignment	E MANUE J	38.7	10	PDB header:virus Chain: F: PDB Molecule:t7-like capsid protein; PDBTitle: capsid structure of the infectious prochlorococcus2 cyanophage p-ssp7
9	c1abzA_	Alignment	E Lee	36.6	39	PDB header:de novo design Chain: A: PDB Molecule:alpha-t-alpha; PDBTitle: alpha-t-alpha, a de novo designed peptide, nmr, 232 structures
10	c4jvsA_	Alignment		27.4	31	PDB header:hydrolase activator/protein transport Chain: A: PDB Molecule:putative uncharacterized protein; PDBTitle: crystal structure of lepb gap domain from legionella drancourtii in2 complex with rab1-gdp and alf3
11	d1dqta_	Alignment		25.0	21	Fold:Immunoglobulin-like beta-sandwich Superfamily:Immunoglobulin Family:V set domains (antibody variable domain-like)

12	<u>c3jzfA</u>	Alignment	The state of the s	21.4	18	PDB header:ligase Chain: A: PDB Molecule:biotin carboxylase; PDBTitle: crystal structure of biotin carboxylase from e. coli in2 complex with benzimidazoles series
13	<u>d1gd6a</u> _	Alignment		19.8	15	Fold:Lysozyme-like Superfamily:Lysozyme-like Family:C-type lysozyme
14	c3feuA_	Alignment		18.4	12	PDB header:oxidoreductase Chain: A: PDB Molecule:putative lipoprotein; PDBTitle: crystal structure of dsba-like thioredoxin domain vf_a0457 from vibrio2 fischeri
15	clym5A_	Alignment		17.6	18	PDB header:oxidoreductase Chain: A: PDB Molecule:hypothetical 32.6 kda protein in dap2-slt2 PDBTitle: crystal structure of yhi9, the yeast member of the2 phenazine biosynthesis phzf enzyme superfamily.
16	dlqy9al	Alignment		16.0	19	Fold:Diaminopimelate epimerase-like Superfamily:Diaminopimelate epimerase-like Family:PhzC/PhzF-like
17	c4di7A_	Alignment	The state of the s	15.9	12	PDB header:oxidoreductase Chain: A: PDB Molecule:amphi; PDBTitle: structure of a2-type ketoreductase of modular polyketide synthases
18	d1un2a_	Alignment	A COL	15.9	12	Fold:Thioredoxin fold Superfamily:Thioredoxin-like Family:DsbA-like
19	dlp3qq_	Alignment		15.9	16	Fold:RuvA C-terminal domain-like Superfamily:UBA-like Family:CUE domain
20	c2rtsA_	Alignment		14.8	17	PDB header:hydrolase Chain: A: PDB Molecule:chitinase; PDBTitle: chitin binding domain1
21	c2m0nA_	Alignment	not modelled	13.9	58	PDB header:unknown function Chain: A: PDB Molecule:putative uncharacterized protein; PDBTitle: solution structure of a duf3349 annotated protein from mycobacterium2 abscessus, mab_3403c. seattle structural genomics center for3 infectious disease target myaba.17112.a.a2
22	c4dunA_	Alignment	not modelled	13.7	15	PDB header:biosynthetic protein Chain: A: PDB Molecule:putative phenazine biosynthesis phzc/phzf protein; PDBTitle: 1.76a x-ray crystal structure of a putative phenazine biosynthesis2 phzc/phzf protein from clostridium difficile (strain 630)
23	c3bqwA_	Alignment	not modelled	13.7	12	PDB header:structural genomics, unknown function Chain: A: PDB Molecule:putative capsid protein of prophage; PDBTitle: crystal structure of the putative capsid protein of prophage (e.coli2 cft073) PDB header:hydrolase
24	c2fbdB_	Alignment	not modelled	13.0	32	Chain: B: PDB Molecule:lysozyme 1; PDBTitle: the crystallographic structure of the digestive lysozyme 1 from musca2 domestica at 1.90 ang.
25	<u>c4an5F</u>	Alignment	not modelled	13.0	18	PDB header:virus Chain: F: PDB Molecule:coat protein; PDBTitle: capsid structure and its stability at the late stages of2 bacteriophage spp1 assembly
26	d1dvoa_	Alignment	not modelled	12.2	17	Fold:FinO-like Superfamily:FinO-like Family:FinO-like
27	<u>c2e76G</u>	Alignment	not modelled	12.2	39	PDB header:photosynthesis Chain: G: PDB Molecule:cytochrome b6-f complex subunit 5; PDBTitle: crystal structure of the cytochrome b6f complex with tridecyl-2 stigmatellin (tds) from m.laminosus
28	c1u0kA_	Alignment	not modelled	12.2	16	PDB header:structural genomics, unknown function Chain: A: PDB Molecule:gene product pa4716; PDBTitle: the structure of a predicted epimerase pa4716 from

						pseudomonas2 aeruginosa
29	d1iiza_	Alignment	not modelled	11.7	21	Fold:Lysozyme-like Superfamily:Lysozyme-like Family:C-type lysozyme
30	d2e2dc1	Alignment	not modelled	11.0	27	Fold:OB-fold Superfamily:TIMP-like Family:Tissue inhibitor of metalloproteinases, TIMP
31	c1vf5G_	Alignment	not modelled	10.8	56	PDB header:photosynthesis Chain: G: PDB Molecule:protein pet g; PDBTitle: crystal structure of cytochrome b6f complex from m.laminosus
32	d1vf5g_	Alignment	not modelled	10.8	56	Fold:Single transmembrane helix Superfamily:PetG subunit of the cytochrome b6f complex Family:PetG subunit of the cytochrome b6f complex
33	<u>c4l4xA_</u>	Alignment	not modelled	10.5	12	PDB header:oxidoreductase Chain: A: PDB Molecule:amphi; PDBTitle: an a2-type ketoreductase from a modular polyketide synthase
34	<u>d2e74g1</u>	Alignment	not modelled	10.4	56	Fold:Single transmembrane helix Superfamily:PetG subunit of the cytochrome b6f complex Family:PetG subunit of the cytochrome b6f complex
35	<u>d1s7ja_</u>	Alignment	not modelled	10.3	20	Fold:Diaminopimelate epimerase-like Superfamily:Diaminopimelate epimerase-like Family:PhzC/PhzF-like
36	c4v0bA_	Alignment	not modelled	10.2	6	PDB header:hydrolase Chain: A: PDB Molecule:atp-dependent zinc metalloprotease ftsh; PDBTitle: escherichia coli ftsh hexameric n-domain
37	d1ck1a1	Alignment	not modelled	10.0	30	Fold:OB-fold Superfamily:Bacterial enterotoxins Family:Superantigen toxins, N-terminal domain
38	d1ulza1	Alignment	not modelled	10.0	19	Fold:Barrel-sandwich hybrid Superfamily:Rudiment single hybrid motif Family:BC C-terminal domain-like PDB header:hydrolase regulator
39	c2qb0D_	Alignment	not modelled	9.9	21	Chain: D: PDB Molecule:telsam domain - lysozyme chimera; PDBTitle: structure of the 2tel crystallization module fused to t4 lysozyme with2 an ala-gly-pro linker.
40	d1br9a_	Alignment	not modelled	9.7	29	Fold:OB-fold Superfamily:TIMP-like Family:Tissen inhibitor of metalloproteinases, TIMP
41	<u>c2f40A_</u>	Alignment	not modelled	9.7	20	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
42	c4bduC_	Alignment	not modelled	9.7	22	PDB header:apoptosis Chain: C: PDB Molecule:green fluorescent protein, apoptosis regulator bax; PDBTitle: bax bh3-in-groove dimer (gfp)
43	c3bjqA_	Alignment	not modelled	9.6	13	PDB header:viral protein Chain: A: PDB Molecule:phage-related protein; PDBTitle: crystal structure of a phage-related protein (bb3626) from bordetella2 bronchiseptica rb50 at 2.05 a resolution
44	c2lkyA_	Alignment	not modelled	9.5	42	PDB header:structural genomics, unknown function Chain: A: PDB Molecule:uncharacterized protein; PDBTitle: solution structure of msmeg_1053, the second duf3349 annotated protein2 in the genome of mycobacterium smegmatis, seattle structural genomics3 center for infectious disease target mysma.17112.b
45	<u>c1qy9B_</u>	Alignment	not modelled	9.3	19	PDB header:unknown function Chain: B: PDB Molecule:hypothetical protein ydde; PDBTitle: crystal structure of e. coli se-met protein ydde
46	d1p5ca_	Alignment	not modelled	9.3	21	Fold:Lysozyme-like Superfamily:Lysozyme-like Family:Phage lysozyme
47	d1lrza2	Alignment	not modelled	8.6	11	Fold:Acyl-CoA N-acyltransferases (Nat) Superfamily:Acyl-CoA N-acyltransferases (Nat) Family:Fendingsomal peptidyltransferases
48	c3lvyB_	Alignment	not modelled	8.5	24	PDB header:lyase Chain: B: PDB Molecule:carboxymuconolactone decarboxylase family; PDBTitle: crystal structure of carboxymuconolactone decarboxylase2 family protein smu.961 from streptococcus mutans
49	c3kv1A_	Alignment	not modelled	8.5	9	PDB header:transcription Chain: A: PDB Molecule:transcriptional repressor; PDBTitle: crystal structure of putative sugar-binding domain of transcriptional2 repressor from vibrio fischeri
50	c2imeA_	Alignment	not modelled	8.3	15	PDB header:transferase Chain: A: PDB Molecule:2-hydroxychromene-2-carboxylate isomerase; PDBTitle: 2-hydroxychromene-2-carboxylate isomerase: a kappa class glutathione-2 s-transferase from pseudomonas putida
51	<u>c4je3B_</u>	Alignment	not modelled	8.3	23	PDB header:cell cycle Chain: B: PDB Molecule:central kinetochore subunit chl4; PDBTitle: an imi3-chl4 heterodimer links the core centromere to factors required? for accurate chromosome segregation
52	c1yzxB_	Alignment	not modelled	8.3	10	PDB header:transferase Chain: B: PDB Molecule:glutathione s-transferase kappa 1; PDBTitle: crystal structure of human kappa class glutathione2 transferase
53	c2mhhA_	Alignment	not modelled	8.3	29	PDB header:metal binding protein Chain: A: PDB Molecule:polycystic kidney disease protein 2; PDBTitle: solution structure of a ef-hand domain from sea urchin polycystin-2
						Fold:Thioredoxin fold

54	dlr4wa_	Alignment	not modelled	8.3	7	Superfamily:Thioredoxin-like Family:DsbA-like
55	dlgvpa_	Alignment	not modelled	8.1	33	Fold:OB-fold Superfamily:Nucleic acid-binding proteins Family:Phage ssDNA-binding proteins
56	<u>c5d50E_</u>	Alignment	not modelled	8.1	29	PDB header:dna binding protein Chain: E: PDB Molecule:anti-repressor protein; PDBTitle: crystal structure of rep-ant complex from salmonella-temperate phage
57	dlgoial	Alignment	not modelled	8.1	29	Fold:WW domain-like Superfamily:Carbohydrate binding domain Family:Carbohydrate binding domain
58	c3ckiB_	Alignment	not modelled	8.1	25	PDB header:hydrolase, hydrolase inhibitor Chain: B: PDB Molecule:metalloproteinase inhibitor 3; PDBTitle: crystal structure of the tace-n-timp-3 complex
59	c1hr9D_	Alignment	not modelled	7.9	27	PDB header:hydrolase Chain: D: PDB Molecule:mitochondrial processing peptidase beta subunit; PDBTitle: yeast mitochondrial processing peptidase beta-e73q mutant2 complexed with malate dehydrogenase signal peptide
60	<u>c2o4wA_</u>	Alignment	not modelled	7.8	21	PDB header:hydrolase Chain: A: PDB Molecule:lysozyme; PDBTitle: t4 lysozyme circular permutant
61	c4zonB_	Alignment	not modelled	7.5	20	PDB header:oxidoreductase/oxidoreductase inhibitor Chain: B: PDB Molecule:verruculogen synthase; PDBTitle: structure of ftmox1 with fumitremorgen b complex
62	d1hr6b1	Alignment	not modelled	7.4	29	Fold:LuxS/MPP-like metallohydrolase Superfamily:LuxS/MPP-like metallohydrolase Family:MPP-like
63	dlevsa_	Alignment	not modelled	7.3	36	Fold:4-helical cytokines Superfamily:4-helical cytokines Family:Long-chain cytokines
64	c1y4eA_	Alignment	not modelled	7.2	63	PDB header:membrane protein Chain: A: PDB Molecule:sodium/hydrogen exchanger 1; PDBTitle: nmr structure of transmembrane segment iv of the nhe12 isoform of the na+/h+ exchanger
65	<u>d1ztxe1</u>	Alignment	not modelled	7.1	17	Fold:Immunoglobulin-like beta-sandwich Superfamily:E set domains Family:Class II viral fusion proteins C-terminal domain
66	d2v9va1	Alignment	not modelled	7.0	28	Fold:DNA/RNA-binding 3-helical bundle Superfamily:"Winged helix" DNA-binding domain Family:C-terminal fragment of elongation factor SelB
67	<u>c3ol4B_</u>	Alignment	not modelled	7.0	55	PDB header:unknown function Chain: B: PDB Molecule:putative uncharacterized protein; PDBTitle: crystal structure of a putative uncharacterized protein from2 mycobacterium smegmatis, an ortholog of rv0543c
68	c5aj3h_	Alignment	not modelled	6.9	56	PDB header:ribosome Chain: H: PDB Molecule: PDBTitle: structure of the small subunit of the mammalian mitoribosome
69	c2dp3A_	Alignment	not modelled	6.9	23	PDB header:isomerase Chain: A: PDB Molecule:triosephosphate isomerase; PDBTitle: crystal structure of a double mutant (c202a/a198v) of triosephosphate2 isomerase from giardia lamblia
70	<u>c2jz2A_</u>	Alignment	not modelled	6.8	28	PDB header:structural genomics, unknown function Chain: A: PDB Molecule:ssl0352 protein; PDBTitle: solution nmr structure of ssl0352 protein from synechocystis sp. pcc2 6803. northeast structural genomics consortium target sgr42
71	d1ttja_	Alignment	not modelled	6.7	27	Fold:TIM beta/alpha-barrel Superfamily:Triosephosphate isomerase (TIM) Family:Triosephosphate isomerase (TIM)
72	<u>c4x22A_</u>	Alignment	not modelled	6.7	20	PDB header:isomerase Chain: A: PDB Molecule:triosephosphate isomerase; PDBTitle: crystal structure of leptospira interrogans triosephosphate isomerase2 (litim)
73	<u>c3h93A</u>	Alignment	not modelled	6.6	23	PDB header:transcription regulator Chain: A: PDB Molecule:thiol:disulfide interchange protein dsba; PDBTitle: crystal structure of pseudomonas aeruginosa dsba
74	c3zljC_	Alignment	not modelled	6.5	44	PDB header:dna binding protein/dna Chain: C: PDB Molecule:dna mismatch repair protein muts; PDBTitle: crystal structure of full-length e.coli dna mismatch repair2 protein muts d835r mutant in complex with gt mismatched dna
75	d1w96a1	Alignment	not modelled	6.5	19	Fold:Barrel-sandwich hybrid Superfamily:Rudiment single hybrid motif Family:BC C-terminal domain-like
76	c5d2eA_	Alignment	not modelled	6.4	13	PDB header:oxidoreductase Chain: A: PDB Molecule:mlne; PDBTitle: crystal structure of an n-terminal ketoreductase from macrolactin2 assembly line
77	d3cx5a1	Alignment	not modelled	6.3	31	Fold:LuxS/MPP-like metallohydrolase Superfamily:LuxS/MPP-like metallohydrolase Family:MPP-like
78	c4naoA_	Alignment	not modelled	6.2	16	PDB header:oxidoreductase Chain: A: PDB Molecule:putative oxygenase; PDBTitle: crystal structure of eash
79	c2kz3A_	Alignment	not modelled	6.2	25	PDB header:unknown function Chain: A: PDB Molecule:putative uncharacterized protein rad51l3; PDBTitle: backbone 1h, 13c, and 15n chemical shift assignments for human rad51d2 from 1 to 83
80	<u>c5daqA</u>	Alignment	not modelled	6.1	23	PDB header:oxidoreductase Chain: A: PDB Molecule:phytanoyl-coa dioxygenase family protein (afu_orthologue

		-				PDBTitle: fe(ii)/(alpha)ketoglutarate-dependent dioxygenase asqj in complex with2 4-methoxycyclopeptin
81	c4jw1B_	Alignment	not modelled	6.0	24	PDB header:hydrolase activator Chain: B: PDB Molecule:effector protein b; PDBTitle: crystal structure of n-terminal 618-residue fragment of lepb from2 legionella pneumophila
82	<u>c3idwA_</u>	Alignment	not modelled	5.9	28	PDB header:endocytosis Chain: A: PDB Molecule:actin cytoskeleton-regulatory complex protein sla1; PDBTitle: crystal structure of sla1 homology domain 2
83	<u>c3zljD</u>	Alignment	not modelled	5.8	44	PDB header:dna binding protein/dna Chain: D: PDB Molecule:dna mismatch repair protein muts; PDBTitle: crystal structure of full-length e.coli dna mismatch repair2 protein muts d835r mutant in complex with gt mismatched dna
84	d1mska_	Alignment	not modelled	5.7	26	Fold:Methionine synthase activation domain-like Superfamily:Methionine synthase activation domain-like Family:Methionine synthase SAM-binding domain
85	d1kv5a_	Alignment	not modelled	5.7	27	Fold:TIM beta/alpha-barrel Superfamily:Triosephosphate isomerase (TIM) Family:Triosephosphate isomerase (TIM)
86	<u>d2b5id1</u>	Alignment	not modelled	5.7	13	Fold:Complement control module/SCR domain Superfamily:Complement control module/SCR domain Family:Complement control module/SCR domain
87	c5ha4A_	Alignment	not modelled	5.7	11	PDB header:isomerase Chain: A: PDB Molecule:diaminopimelate epimerase; PDBTitle: structure of a diaminopimelate epimerase from acinetobacter baumannii
88	<u>c5fu7H_</u>	Alignment	not modelled	5.6	19	PDB header:gene regulation Chain: H: PDB Molecule:nanos, isoform b; PDBTitle: drosophila nanos nbr peptide bound to the not module2 of the human ccr4-not complex
89	d1r2ra_	Alignment	not modelled	5.6	20	Fold:TIM beta/alpha-barrel Superfamily:Triosephosphate isomerase (TIM) Family:Triosephosphate isomerase (TIM)
90	c3m9yB_	Alignment	not modelled	5.6	23	PDB header:isomerase Chain: B: PDB Molecule:triosephosphate isomerase; PDBTitle: crystal structure of triosephosphate isomerase from methicillin2 resistant staphylococcus aureus at 1.9 angstrom resolution
91	dlueab_	Alignment	not modelled	5.6	21	Fold: OB-fold Superfamily: TIMP-like Family: Tissue inhibitor of metalloproteinases, TIMP
92	<u>c2d49A_</u>	Alignment	not modelled	5.5	24	PDB header:hydrolase Chain: A: PDB Molecule:chitinase c; PDBTitle: solution structure of the chitin-binding domain of2 streptomyces griseus chitinase c
93	d1olta_	Alignment	not modelled	5.5	10	Fold:TIM beta/alpha-barrel Superfamily:Radical SAM enzymes Family:Oxygen-independent coproporphyrinogen III oxidase HemN
94	c3emrA_	Alignment	not modelled	5.3	9	PDB header:oxidoreductase Chain: A: PDB Molecule:ectd; PDBTitle: crystal structure analysis of the ectoine hydroxylase ectd from2 salibacillus salexigens
95	c3n4qA_	Alignment	not modelled	5.3	30	PDB header:dna binding protein Chain: A: PDB Molecule:terminase subunit ul89 protein; PDBTitle: human cytomegalovirus terminase nuclease domain, mn soaked
96	c4dowA_	Alignment	not modelled	5.3	13	PDB header:replication Chain: A: PDB Molecule:origin recognition complex subunit 1; PDBTitle: structure of mouse orc1 bah domain bound to h4k20me2
97	<u>d1ed7a_</u>	Alignment	not modelled	5.2	25	Fold:WW domain-like Superfamily:Carbohydrate binding domain Family:Carbohydrate binding domain
98	c2muyA_	Alignment	not modelled	5.2	6	PDB header:nucleotide binding protein Chain: A: PDB Molecule:atp-dependent zinc metalloprotease ftsh; PDBTitle: the solution structure of the ftsh periplasmic n-domain
99	c3kdvB_	Alignment	not modelled	5.2	31	PDB header:dna binding protein Chain: B: PDB Molecule:dna damage response b protein; PDBTitle: crystal structure of dna damage response b (ddrb) from deinococcus2 geothermalis