

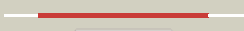





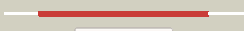








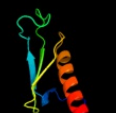




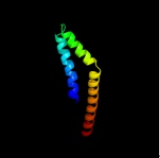
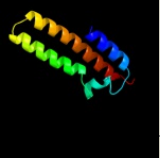
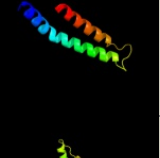

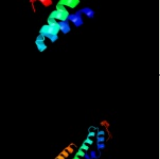
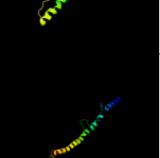
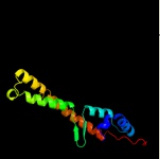
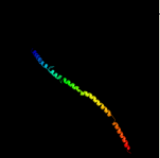
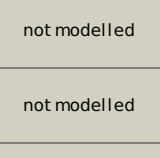


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	dlgqea_	 Alignment		100.0	97	Fold: Release factor Superfamily: Release factor Family: Release factor
2	c2ihr1_	 Alignment		100.0	46	PDB header: translation Chain: 1: PDB Molecule: peptide chain release factor 2; PDBTitle: rf2 of thermus thermophilus
3	c3d5cX_	 Alignment		100.0	34	PDB header: ribosome Chain: X: PDB Molecule: peptide chain release factor 1; PDBTitle: structural basis for translation termination on the 70s ribosome. this2 file contains the 30s subunit, release factor 1 (rf1), two trna, and3 mrna molecules of the second 70s ribosome. the entire crystal4 structure contains two 70s ribosomes as described in remark 400.
4	d1rq0a_	 Alignment		100.0	39	Fold: Release factor Superfamily: Release factor Family: Release factor
5	d2b3tb1	 Alignment		100.0	43	Fold: Release factor Superfamily: Release factor Family: Release factor
6	c1zbtA_	 Alignment		100.0	30	PDB header: translation Chain: A: PDB Molecule: peptide chain release factor 1; PDBTitle: crystal structure of peptide chain release factor 1 (rf-1) (smu.1085)2 from streptococcus mutans at 2.34 a resolution
7	c2jvaA_	 Alignment		99.8	26	PDB header: hydrolase Chain: A: PDB Molecule: peptidyl-trna hydrolase domain protein; PDBTitle: nmr solution structure of peptidyl-trna hydrolase domain protein from2 pseudomonas syringae pv. tomato. northeast structural genomics3 consortium target psr211
8	c2jy9A_	 Alignment		99.8	35	PDB header: hydrolase Chain: A: PDB Molecule: putative trna hydrolase domain; PDBTitle: nmr structure of putative trna hydrolase domain from2 salmonella typhimurium. northeast structural genomics3 consortium target str220
9	d1j26a_	 Alignment		99.8	25	Fold: dsRBD-like Superfamily: Peptidyl-tRNA hydrolase domain-like Family: Peptidyl-tRNA hydrolase domain
10	c3errB_	 Alignment		91.6	11	PDB header: ligase Chain: B: PDB Molecule: fusion protein of microtubule binding domain from PDBTitle: microtubule binding domain from mouse cytoplasmic dynein as2 a fusion with seryl-trna synthetase
11	c1wpaA_	 Alignment		90.3	17	PDB header: cell adhesion Chain: A: PDB Molecule: occludin; PDBTitle: 1.5 angstrom crystal structure of human occludin fragment2 413-522

12	c1xawA_	Alignment		89.7	17	PDB header: cell adhesion Chain: A: PDB Molecule: occludin; PDBTitle: crystal structure of the cytoplasmic distal c-terminal2 domain of occludin
13	d1fpoa2	Alignment		85.8	11	Fold: Open three-helical up-and-down bundle Superfamily: HSC20 (HSCB), C-terminal oligomerisation domain Family: HSC20 (HSCB), C-terminal oligomerisation domain
14	c3layF_	Alignment		60.9	22	PDB header: metal binding protein Chain: F: PDB Molecule: zinc resistance-associated protein; PDBTitle: alpha-helical barrel formed by the decamer of the zinc resistance-2 associated protein (stm4172) from salmonella enterica subsp. enterica3 serovar typhimurium str. lt2
15	c2dq3A_	Alignment		56.2	20	PDB header: ligase Chain: A: PDB Molecule: seryl-tRNA synthetase; PDBTitle: crystal structure of aq_298
16	c3uo2A_	Alignment		49.6	13	PDB header: chaperone Chain: A: PDB Molecule: j-type co-chaperone jac1, mitochondrial; PDBTitle: jac1 co-chaperone from saccharomyces cerevisiae
17	c2dq0A_	Alignment		46.2	13	PDB header: ligase Chain: A: PDB Molecule: seryl-tRNA synthetase; PDBTitle: crystal structure of seryl-tRNA synthetase from pyrococcus2 horikoshii complexed with a seryl-adenylate analog
18	c1deqO_	Alignment		45.6	11	PDB header: PDB COMPND:
19	d1seta1	Alignment		45.2	20	Fold: Long alpha-hairpin Superfamily: tRNA-binding arm Family: Seryl-tRNA synthetase (SerRS)
20	c3dtpA_	Alignment		43.7	14	PDB header: contractile protein Chain: A: PDB Molecule: myosin 2 heavy chain chimera of smooth and PDBTitle: tarantula heavy meromyosin obtained by flexible docking to2 tarantula muscle thick filament cryo-em 3d-map
21	c3ghgK_	Alignment	not modelled	41.7	13	PDB header: blood clotting Chain: K: PDB Molecule: fibrinogen beta chain; PDBTitle: crystal structure of human fibrinogen
22	c2wmoA_	Alignment	not modelled	39.2	14	PDB header: cell cycle Chain: A: PDB Molecule: dedicator of cytokinesis protein 9; PDBTitle: structure of the complex between dock9 and cdc42.
23	c2e1mA_	Alignment	not modelled	38.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: l-glutamate oxidase; PDBTitle: crystal structure of l-glutamate oxidase from streptomyces sp. x-119-6
24	c2jyaA_	Alignment	not modelled	37.0	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein atu1810; PDBTitle: nmr solution structure of protein atu1810 from agrobacterium2 tumefaciens. northeast structural genomics consortium target atr23,3 ontario centre for structural proteomics target atc1776
25	c3lssA_	Alignment	not modelled	34.4	13	PDB header: ligase Chain: A: PDB Molecule: seryl-tRNA synthetase; PDBTitle: trypanosoma brucei seryl-tRNA synthetase in complex with atp
26	c1f8sA_	Alignment	not modelled	33.4	25	PDB header: oxidoreductase Chain: A: PDB Molecule: l-amino acid oxidase; PDBTitle: crystal structure of l-amino acid oxidase from calloselasma2 rhodostoma, complexed with three molecules of o-aminobenzoate.
27	c3s2xB_	Alignment	not modelled	32.2	19	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa synthase subunit alpha; PDBTitle: structure of acetyl-coenzyme a synthase alpha subunit c-terminal2 domain
						PDB header: transport protein

28	c3fhA_	Alignment	not modelled	32.1	19	Chain: A: PDB Molecule: protein transport protein tip20; PDBTitle: structure of tip20p
29	c2yrvA_	Alignment	not modelled	30.3	19	PDB header: transcription Chain: A: PDB Molecule: at-rich interactive domain-containing protein 4a; PDBTitle: solution structure of the rbb1nt domain of human2 rb(retinoblastoma)-binding protein 1
30	c1s1hl_	Alignment	not modelled	30.2	15	PDB header: ribosome Chain: I: PDB Molecule: 40s ribosomal protein s16; PDBTitle: structure of the ribosomal 80s-eef2-sordarin complex from2 yeast obtained by docking atomic models for rna and protein3 components into a 11.7 a cryo-em map. this file, 1s1h,4 contains 40s subunit. the 60s ribosomal subunit is in file5 1s1i.
31	c1wleB_	Alignment	not modelled	29.1	21	PDB header: ligase Chain: B: PDB Molecule: seryl-trna synthetase; PDBTitle: crystal structure of mammalian mitochondrial seryl-trna2 synthetase complexed with seryl-adenylate
32	c3qo8A_	Alignment	not modelled	29.0	7	PDB header: ligase Chain: A: PDB Molecule: seryl-trna synthetase, cytoplasmic; PDBTitle: crystal structure of seryl-trna synthetase from candida albicans
33	d1cuna2	Alignment	not modelled	28.8	11	Fold: Spectrin repeat-like Superfamily: Spectrin repeat Family: Spectrin repeat
34	c2chpC_	Alignment	not modelled	28.1	19	PDB header: dna-binding protein Chain: C: PDB Molecule: metalloregulation dna-binding stress protein; PDBTitle: crystal structure of the dodecameric ferritin mrga from2 b.subtilis 168
35	d1tjoa_	Alignment	not modelled	26.3	18	Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
36	c1sryB_	Alignment	not modelled	25.0	15	PDB header: ligase(synthetase) Chain: B: PDB Molecule: seryl-trna synthetase; PDBTitle: refined crystal structure of the seryl-trna synthetase from2 thermus thermophilus at 2.5 angstroms resolution
37	d2spca_	Alignment	not modelled	24.7	18	Fold: Spectrin repeat-like Superfamily: Spectrin repeat Family: Spectrin repeat
38	d1mqva_	Alignment	not modelled	24.3	8	Fold: Four-helical up-and-down bundle Superfamily: Cytochromes Family: Cytochrome c'-like
39	c1ei3E_	Alignment	not modelled	23.6	15	PDB header: PDB COMPND:
40	c2gl2B_	Alignment	not modelled	23.5	7	PDB header: cell adhesion Chain: B: PDB Molecule: adhesion a; PDBTitle: crystal structure of the tetra mutant (t66g,r67g,f68g,2 y69g) of bacterial adhesin fada
41	d1ivsa1	Alignment	not modelled	23.4	15	Fold: Long alpha-hairpin Superfamily: tRNA-binding arm Family: Valyl-tRNA synthetase (ValRS) C-terminal domain
42	d1nj1a3	Alignment	not modelled	23.1	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
43	d1s05a_	Alignment	not modelled	22.2	12	Fold: Four-helical up-and-down bundle Superfamily: Cytochromes Family: Cytochrome c'-like
44	c3iq1A_	Alignment	not modelled	21.1	15	PDB header: metal transport Chain: A: PDB Molecule: dps family protein; PDBTitle: crystal structure of dps protein from vibrio cholerae o1, a member of2 a broad superfamily of ferritin-like diiron-carboxylate proteins
45	c3gitA_	Alignment	not modelled	19.9	19	PDB header: transferase Chain: A: PDB Molecule: carbon monoxide dehydrogenase/acetyl-coa synthase subunit PDBTitle: crystal structure of a truncated acetyl-coa synthase
46	c2c41K_	Alignment	not modelled	19.8	10	PDB header: iron-binding/oxidation protein Chain: K: PDB Molecule: dps family dna-binding stress response protein; PDBTitle: x-ray structure of dps from thermosynechococcus elongatus
47	c2r6cG_	Alignment	not modelled	19.7	12	PDB header: replication Chain: G: PDB Molecule: dnag primase, helicase binding domain; PDBTitle: crystal form bh2
48	c2cazF_	Alignment	not modelled	19.4	60	PDB header: protein transport Chain: F: PDB Molecule: protein srn2; PDBTitle: escrt-i core
49	c3ojaB_	Alignment	not modelled	18.8	16	PDB header: protein binding Chain: B: PDB Molecule: anopheles plasmodium-responsive leucine-rich repeat protein PDBTitle: crystal structure of lrim1/apl1c complex
50	c1s35A_	Alignment	not modelled	18.5	13	PDB header: structural protein Chain: A: PDB Molecule: spectrin beta chain, erythrocyte; PDBTitle: crystal structure of repeats 8 and 9 of human erythroid2 spectrin
51	c1ei3C_	Alignment	not modelled	18.2	9	PDB header: PDB COMPND:
52	c2c5iT_	Alignment	not modelled	18.2	19	PDB header: protein transport Chain: T: PDB Molecule: t-snare affecting a late golgi compartment PDBTitle: n-terminal domain of tlg1 complexed with n-terminus of2 vps51 in distorted conformation

53	d1gqaa_	Alignment	not modelled	18.0	18	Fold: Four-helical up-and-down bundle Superfamily: Cytochromes Family: Cytochrome c'-like
54	d1s35a1	Alignment	not modelled	17.5	15	Fold: Spectrin repeat-like Superfamily: Spectrin repeat Family: Spectrin repeat
55	c2vv1D_	Alignment	not modelled	17.4	27	PDB header: oxidoreductase Chain: D: PDB Molecule: monoamine oxidase n; PDBTitle: the structure of mao-n-d3, a variant of monoamine oxidase2 from aspergillus niger.
56	c2qbvA_	Alignment	not modelled	16.6	14	PDB header: isomerase Chain: A: PDB Molecule: chorismate mutase; PDBTitle: crystal structure of intracellular chorismate mutase from2 mycobacterium tuberculosis
57	d2gy9i1	Alignment	not modelled	16.6	38	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: Translational machinery components
58	c3kwoA_	Alignment	not modelled	16.4	15	PDB header: oxidoreductase Chain: A: PDB Molecule: putative bacterioferritin; PDBTitle: crystal structure of putative bacterioferritin from2 campylobacter jejuni
59	d2vqe11	Alignment	not modelled	16.2	28	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: Translational machinery components
60	d2pc6a2	Alignment	not modelled	15.9	15	Fold: Ferredoxin-like Superfamily: ACT-like Family: IlvH-like
61	c2d5kC_	Alignment	not modelled	15.8	12	PDB header: metal binding protein Chain: C: PDB Molecule: dps family protein; PDBTitle: crystal structure of dps from staphylococcus aureus
62	c3ci9B_	Alignment	not modelled	15.8	11	PDB header: transcription Chain: B: PDB Molecule: heat shock factor-binding protein 1; PDBTitle: crystal structure of the human hsbp1
63	d1fafa_	Alignment	not modelled	15.7	18	Fold: Long alpha-hairpin Superfamily: Chaperone J-domain Family: Chaperone J-domain
64	d1m0da_	Alignment	not modelled	15.7	33	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like Family: Endonuclease I (Holliday junction resolvase)
65	c3h0gA_	Alignment	not modelled	15.7	17	PDB header: transcription Chain: A: PDB Molecule: dna-directed rna polymerase ii subunit rpb1; PDBTitle: rna polymerase ii from schizosaccharomyces pombe
66	d1ji4a_	Alignment	not modelled	15.3	17	Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
67	d1cpqa_	Alignment	not modelled	15.2	18	Fold: Four-helical up-and-down bundle Superfamily: Cytochromes Family: Cytochrome c'-like
68	c3m3wA_	Alignment	not modelled	15.2	11	PDB header: endocytosis Chain: A: PDB Molecule: protein kinase c and casein kinase ii substrate protein 3; PDBTitle: crystal strcuture of mouse pacsin3 bar domain mutant
69	c3pdgA_	Alignment	not modelled	15.1	18	PDB header: unknown function Chain: A: PDB Molecule: fibronectin(iii)-like module; PDBTitle: structures of clostridium thermocellum cbha fibronectin(iii)-like2 modules
70	c1gk4A_	Alignment	not modelled	15.1	10	PDB header: vimentin Chain: A: PDB Molecule: vimentin; PDBTitle: human vimentin coil 2b fragment (cys2)
71	d1ji5a_	Alignment	not modelled	14.8	16	Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
72	d1u5pa2	Alignment	not modelled	14.7	20	Fold: Spectrin repeat-like Superfamily: Spectrin repeat Family: Spectrin repeat
73	c2pc6C_	Alignment	not modelled	14.7	19	PDB header: lyase Chain: C: PDB Molecule: probable acetolactate synthase isozyme iii (small subunit); PDBTitle: crystal structure of putative acetolactate synthase- small subunit2 from nitrosomonas europaea
74	d1ru3a_	Alignment	not modelled	14.6	19	Fold: Prismane protein-like Superfamily: Prismane protein-like Family: Acetyl-CoA synthase
75	d2fgca2	Alignment	not modelled	14.6	28	Fold: Ferredoxin-like Superfamily: ACT-like Family: IlvH-like
76	d1p7hl1	Alignment	not modelled	14.5	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: NF-kappa-B/REL/DORSAL transcription factors, C-terminal domain
77	c2k6lA_	Alignment	not modelled	14.5	44	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: the solution structure of xacb0070 from xanthomonas2 axonopodis pv citri reveals this new protein is a member of3 the rhh family of transcriptional repressors
78	d1nj8a3	Alignment	not modelled	14.5	18	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
79	c3bhn1	Alignment	not modelled	14.4	19	PDB header: ribosome Chain: I: PDB Molecule: ribosomal protein s9;

79	c3vbnl_	Alignment	not modelled	14.4	19	PDBTitle: homology model for the spinach chloroplast 30s subunit2 fitted to 9.4a cryo-em map of the 70s chlororibosome. PDB header: dna-binding protein Chain: A: PDB Molecule: dna-binding stress response protein, dps family; PDBTitle: fe-soaked crystal structure of the dps92 from deinococcus2 radiodurans PDB header: ribosome Chain: H: PDB Molecule: ribosomal protein l5; PDBTitle: homology model for the spinach chloroplast 50s subunit2 fitted to 9.4a cryo-em map of the 70s chlororibosome PDB header: biosynthetic protein Chain: C: PDB Molecule: cellulose synthase operon protein d; PDBTitle: crystal structure of axcesd protein from acetobacter xylinum
80	c2c6rA_	Alignment	not modelled	14.3	14	Fold: Four-helical up-and-down bundle Superfamily: Cytochromes Family: Cytochrome c'-like
81	c3bboH_	Alignment	not modelled	14.0	26	PDB header: ribosome Chain: I: PDB Molecule: rps16e; PDBTitle: crystal structure of the eukaryotic 40s ribosomal2 subunit in complex with initiation factor 1. this file3 contains the 40s subunit and initiation factor for4 molecule 1
82	c2z9fC_	Alignment	not modelled	13.9	37	Fold: Ferredoxin-like Superfamily: ACT-like Family: IlvH-like
83	d2j8wa1	Alignment	not modelled	13.6	18	Fold: Prismane protein-like Superfamily: Prismane protein-like Family: Acetyl-CoA synthase
84	c2xzmI_	Alignment	not modelled	13.5	23	PDB header: dna binding protein Chain: A: PDB Molecule: dna-binding stress response protein, dps family; PDBTitle: structure of d. radiodurans dps-1 PDB header: ribosomal protein/rna Chain: I: PDB Molecule: PDBTitle: structure of a mammalian ribosomal 40s subunit within an2 80s complex obtained by docking homology models of the rna3 and proteins into an 8.7 a cryo-em map
85	d2f1fa1	Alignment	not modelled	13.1	18	Fold: Long alpha-hairpin Superfamily: Endosomal sorting complex assembly domain Family: VPS37 C-terminal domain-like
86	d1oaoc_	Alignment	not modelled	13.1	19	Fold: Cystatin-like Superfamily: Cystatin/monellin Family: PepSY-like
87	c2f7nA_	Alignment	not modelled	13.0	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein yibI; PDBTitle: solution structure of sf3636, a two-domain unknown function protein2 from shigella flexneri 2a, determined by joint refinement of nmr,3 residual dipolar couplings and small-angle x-ray scatting, nesg4 target sfr339/ocsp target sf3636
88	c2zkqi_	Alignment	not modelled	12.8	29	Fold: BTV NS2-like ssRNA-binding domain Superfamily: BTV NS2-like ssRNA-binding domain Family: BTV NS2-like ssRNA-binding domain
89	d2f66c1	Alignment	not modelled	12.7	47	PDB header: viral protein Chain: A: PDB Molecule: non-structural protein 2; PDBTitle: crystal structure of the rna binding domain of bluetongue2 virus non-structural protein 2(ns2)
90	d2gu3a1	Alignment	not modelled	12.1	21	PDB header: rna binding protein Chain: A: PDB Molecule: poly(rc)-binding protein 2; PDBTitle: pcbp2 kh1-kh2 domains
91	c2lf0A_	Alignment	not modelled	12.0	18	Fold: Spectrin repeat-like Superfamily: Spectrin repeat Family: Spectrin repeat
92	d1utyA_	Alignment	not modelled	11.8	15	PDB header: structural protein Chain: B: PDB Molecule: plectin; PDBTitle: structure of the third and fourth spectrin repeats of the plakin2 domain of plectin
93	c1utyA_	Alignment	not modelled	11.8	15	Fold: 6-phosphogluconate dehydrogenase C-terminal domain-like Superfamily: 6-phosphogluconate dehydrogenase C-terminal domain-like Family: TyrA dimerization domain-like
94	c2jzxA_	Alignment	not modelled	11.4	21	Fold: Four-helical up-and-down bundle Superfamily: Cytochromes Family: Cytochrome c'-like
95	d1u5pa1	Alignment	not modelled	11.4	16	PDB header: lyase Chain: E: PDB Molecule: probable 6-pyruvoyl tetrahydrobiopterin synthase; PDBTitle: pseudomonas aeruginosa 6-pyruvoyl tetrahydrobiopterin synthase
96	c3pdyB_	Alignment	not modelled	11.2	11	
97	d2g5ca1	Alignment	not modelled	11.1	19	
98	d1e85a_	Alignment	not modelled	11.1	7	
99	c2obaE_	Alignment	not modelled	10.9	24	