



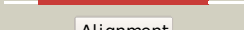

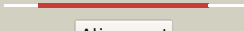






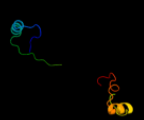


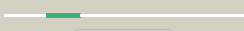






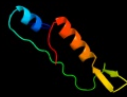
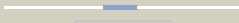
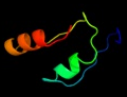







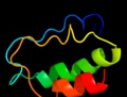










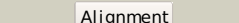





Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1acoa2	 Alignment		100.0	25	Fold: Aconitase iron-sulfur domain Superfamily: Aconitase iron-sulfur domain Family: Aconitase iron-sulfur domain
2	d1l5ja3	 Alignment		100.0	25	Fold: Aconitase iron-sulfur domain Superfamily: Aconitase iron-sulfur domain Family: Aconitase iron-sulfur domain
3	d2b3ya2	 Alignment		100.0	25	Fold: Aconitase iron-sulfur domain Superfamily: Aconitase iron-sulfur domain Family: Aconitase iron-sulfur domain
4	c2b3yB_	 Alignment		100.0	25	PDB header: lyase Chain: B: PDB Molecule: iron-responsive element binding protein 1; PDBTitle: structure of a monoclinic crystal form of human cytosolic aconitase2 (irp1)
5	c5acnA_	 Alignment		100.0	25	PDB header: lyase(carbon-oxygen) Chain: A: PDB Molecule: aconitase; PDBTitle: structure of activated aconitase. formation of the (4fe-4s)2 cluster in the crystal
6	c1l5jB_	 Alignment		100.0	25	PDB header: lyase Chain: B: PDB Molecule: aconitate hydratase 2; PDBTitle: crystal structure of e. coli aconitase b.
7	c3bolB_	 Alignment		69.9	23	PDB header: transferase Chain: B: PDB Molecule: 5-methyltetrahydrofolate s-homocysteine PDBTitle: cobalamin-dependent methionine synthase (1-566) from2 thermotoga maritima complexed with zn2+
8	d3bofa2	 Alignment		61.6	19	Fold: TIM beta/alpha-barrel Superfamily: Homocysteine S-methyltransferase Family: Homocysteine S-methyltransferase
9	c3iz5Q_	 Alignment		40.4	12	PDB header: ribosome Chain: Q: PDB Molecule: 60s ribosomal protein l5 (l18p); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
10	d1lt7a_	 Alignment		31.1	29	Fold: TIM beta/alpha-barrel Superfamily: Homocysteine S-methyltransferase Family: Homocysteine S-methyltransferase
11	d1umya_	 Alignment		28.3	26	Fold: TIM beta/alpha-barrel Superfamily: Homocysteine S-methyltransferase Family: Homocysteine S-methyltransferase

12	c1ni5A_		Alignment		26.9	17	PDB header: cell cycle Chain: A: PDB Molecule: putative cell cycle protein mesj; PDBTitle: structure of the mesj pp-atpase from escherichia coli
13	c2o2qA_		Alignment		21.8	26	PDB header: oxidoreductase Chain: A: PDB Molecule: formyltetrahydrofolate dehydrogenase; PDBTitle: crystal structure of the c-terminal domain of rat2 10'formyltetrahydrofolate dehydrogenase in complex with nadp
14	c2e21A_		Alignment		20.4	15	PDB header: ligase Chain: A: PDB Molecule: trna(ile)-lysine synthase; PDBTitle: crystal structure of tils in a complex with amppnp from aquifex2 aeolicus.
15	c3io1B_		Alignment		19.9	13	PDB header: hydrolase Chain: B: PDB Molecule: aminobenzoyl-glutamate utilization protein; PDBTitle: crystal structure of aminobenzoyl-glutamate utilization2 protein from klebsiella pneumoniae
16	c1pt1B_		Alignment		19.9	19	PDB header: lyase Chain: B: PDB Molecule: aspartate 1-decarboxylase; PDBTitle: unprocessed pyruvoyl dependent aspartate decarboxylase with histidine2 11 mutated to alanine
17	d1ml4a2		Alignment		19.4	16	Fold: ATC-like Superfamily: Aspartate/ornithine carbamoyltransferase Family: Aspartate/ornithine carbamoyltransferase
18	d1ppya_		Alignment		19.4	19	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Pyruvoyl dependent aspartate decarboxylase, ADC
19	d1o60a_		Alignment		19.3	17	Fold: TIM beta/alpha-barrel Superfamily: Aldolase Family: Class I DAHP synthetase
20	c2ox1A_		Alignment		18.6	24	PDB header: gene regulation Chain: A: PDB Molecule: hypothetical protein ymgb; PDBTitle: structure and function of the e. coli protein ymgb: a protein critical2 for biofilm formation and acid resistance
21	c3fseB_		Alignment	not modelled	17.7	10	PDB header: hydrolase Chain: B: PDB Molecule: two-domain protein containing dj-1/thij/pfpi-like and PDBTitle: crystal structure of a two-domain protein containing dj-1/thij/pfpi-2 like and ferritin-like domains (ava_4496) from anabaena variabilis3 atcc 29413 at 1.90 a resolution
22	c2zkrn_		Alignment	not modelled	17.6	18	PDB header: ribosomal protein/rna Chain: N: PDB Molecule: rna expansion segment es27; PDBTitle: structure of a mammalian ribosomal 60s subunit within an2 80s complex obtained by docking homology models of the rna3 and proteins into an 8.7 a cryo-em map
23	c2xivA_		Alignment	not modelled	17.6	15	PDB header: structural protein Chain: A: PDB Molecule: hypothetical invasion protein; PDBTitle: structure of rv1477, hypothetical invasion protein of2 mycobacterium tuberculosis
24	c2c45F_		Alignment	not modelled	15.8	28	PDB header: lyase Chain: F: PDB Molecule: aspartate 1-decarboxylase precursor; PDBTitle: native precursor of pyruvoyl dependent aspartate2 decarboxylase
25	c2gp4A_		Alignment	not modelled	15.6	19	PDB header: lyase Chain: A: PDB Molecule: 6-phosphogluconate dehydratase; PDBTitle: structure of [fes]cluster-free apo form of 6-phosphogluconate2 dehydratase from shewanella oneidensis
26	d1ejba_		Alignment	not modelled	14.9	21	Fold: Lumazine synthase Superfamily: Lumazine synthase Family: Lumazine synthase
27	c2duwA_		Alignment	not modelled	14.0	26	PDB header: ligand binding protein Chain: A: PDB Molecule: putative coa-binding protein; PDBTitle: solution structure of putative coa-binding protein of2 klebsiella pneumoniae
							PDB header: dna replication

28	c2w9mB_	Alignment	not modelled	13.6	20	Chain: B: PDB Molecule: polymerase x; PDBTitle: structure of family x dna polymerase from deinococcus2 radiodurans
29	c4a1aM_	Alignment	not modelled	13.5	20	PDB header: ribosome Chain: M: PDB Molecule: 60s ribosomal protein l5; PDBTitle: t.thermophila 60s ribosomal subunit in complex with2 initiation factor 6. this file contains 5s rrna,3 5.8s rrna and proteins of molecule 3.
30	c1hrP_	Alignment	not modelled	13.3	19	PDB header: aspartyl protease Chain: P: PDB Molecule: progastricsin (pro segment); PDBTitle: crystal and molecular structures of human progastricsin at 1.622 angstroms resolution
31	c3izcQ_	Alignment	not modelled	13.0	18	PDB header: ribosome Chain: Q: PDB Molecule: 60s ribosomal protein rpL5 (l18p); PDBTitle: localization of the large subunit ribosomal proteins into a 6.1 a2 cryo-em map of saccharomyces cerevisiae translating 80s ribosome
32	d1oi4a1	Alignment	not modelled	12.0	30	Fold: Flavodoxin-like Superfamily: Class I glutamine amidotransferase-like Family: DJ-1/Pfpl
33	c2jz2A_	Alignment	not modelled	11.5	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
34	d1rvv1_	Alignment	not modelled	11.4	15	Fold: Lumazine synthase Superfamily: Lumazine synthase Family: Lumazine synthase
35	c3uk7B_	Alignment	not modelled	11.3	26	PDB header: transferase Chain: B: PDB Molecule: class i glutamine amidotransferase-like domain-containing PDBTitle: crystal structure of arabidopsis thaliana dj-1d
36	d1c0aa2	Alignment	not modelled	10.9	27	Fold: DcoH-like Superfamily: GAD domain-like Family: GAD domain
37	c2ebbA_	Alignment	not modelled	10.6	18	PDB header: lyase Chain: A: PDB Molecule: pterin-4-alpha-carbinolamine dehydratase; PDBTitle: crystal structure of pterin-4-alpha-carbinolamine2 dehydratase (pterin carbinolamine dehydratase) from3 geobacillus kaustophilus hta426
38	c3hazA_	Alignment	not modelled	10.5	13	PDB header: oxidoreductase Chain: A: PDB Molecule: proline dehydrogenase; PDBTitle: crystal structure of bifunctional proline utilization a2 (puta) protein
39	c2jzfA_	Alignment	not modelled	10.3	39	PDB header: viral protein Chain: A: PDB Molecule: replicase polyprotein 1ab; PDBTitle: nmr conformer closest to the mean coordinates of the domain 513-651 of2 the sars-cov nonstructural protein nsp3
40	d2ga5a1	Alignment	not modelled	9.7	29	Fold: N domain of copper amine oxidase-like Superfamily: Frataxin/Nqo15-like Family: Frataxin-like
41	c3zquA_	Alignment	not modelled	9.6	19	PDB header: lyase Chain: A: PDB Molecule: probable aromatic acid decarboxylase; PDBTitle: structure of a probable aromatic acid decarboxylase
42	d1obra_	Alignment	not modelled	9.5	33	Fold: Phosphorylase/hydrolase-like Superfamily: Zn-dependent exopeptidases Family: Carboxypeptidase T
43	c2fgxA_	Alignment	not modelled	9.5	30	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative thioredoxin; PDBTitle: solution nmr structure of protein ne2328 from nitrosomonas2 europaea. northeast structural genomics consortium target3 net3.
44	c2x24B_	Alignment	not modelled	9.5	8	PDB header: ligase Chain: B: PDB Molecule: acetyl-coa carboxylase; PDBTitle: bovine acc2 ct domain in complex with inhibitor
45	c1xovA_	Alignment	not modelled	9.5	8	PDB header: hydrolase Chain: A: PDB Molecule: ply protein; PDBTitle: the crystal structure of the listeria monocytogenes bacteriophage psa2 endolysin plypsa
46	d1skye2	Alignment	not modelled	9.3	8	Fold: Domain of alpha and beta subunits of F1 ATP synthase-like Superfamily: N-terminal domain of alpha and beta subunits of F1 ATP synthase Family: N-terminal domain of alpha and beta subunits of F1 ATP synthase
47	d1d3va_	Alignment	not modelled	8.9	28	Fold: Arginase/deacetylase Superfamily: Arginase/deacetylase Family: Arginase-like amidino hydrolases
48	c3m1rF_	Alignment	not modelled	8.9	28	PDB header: hydrolase Chain: F: PDB Molecule: formimidoylglutamase; PDBTitle: the crystal structure of formimidoylglutamase from bacillus2 subtilis subsp. subtilis str. 168
49	d1woha_	Alignment	not modelled	8.8	28	Fold: Arginase/deacetylase Superfamily: Arginase/deacetylase Family: Arginase-like amidino hydrolases
50	c3h8aF_	Alignment	not modelled	8.7	17	PDB header: lyase/protein binding Chain: F: PDB Molecule: rnase e; PDBTitle: crystal structure of e. coli enolase bound to its cognate rnase e2 recognition domain
51	c2yb1A_	Alignment	not modelled	8.6	20	PDB header: hydrolase Chain: A: PDB Molecule: amidohydrolase; PDBTitle: structure of an amidohydrolase from chromobacterium violaceum (efi2 target efi-500202) with bound mn, amp and phosphate.
52	d1v8ba2	Alignment	not modelled	8.6	21	Fold: Flavodoxin-like Superfamily: Formate/glycerate dehydrogenase catalytic domain-like

						Family: S-adenosylhomocystein hydrolase Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
53	d1sqda2	Alignment	not modelled	8.5	25	
54	d2gp4a2	Alignment	not modelled	8.5	19	Fold: IlvD/EDD N-terminal domain-like Superfamily: IlvD/EDD N-terminal domain-like Family: IlvD/EDD N-terminal domain-like
55	c3h8aE_	Alignment	not modelled	8.2	18	PDB header: lyase/protein binding Chain: E: PDB Molecule: rnase e; PDBTitle: crystal structure of e. coli enolase bound to its cognate rnase e2 recognition domain
56	c3qpbB_	Alignment	not modelled	8.2	18	PDB header: transferase Chain: B: PDB Molecule: uridine phosphorylase; PDBTitle: crystal structure of streptococcus pyogenes uridine phosphorylase2 reveals a subclass of the np-i superfamily
57	d1c41a_	Alignment	not modelled	8.0	17	Fold: Lumazine synthase Superfamily: Lumazine synthase Family: Lumazine synthase
58	d1tska_	Alignment	not modelled	8.0	71	Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: Scorpion toxin-like Family: Short-chain scorpion toxins
59	c2ejbA_	Alignment	not modelled	7.9	14	PDB header: lyase Chain: A: PDB Molecule: probable aromatic acid decarboxylase; PDBTitle: crystal structure of phenylacrylic acid decarboxylase from2 aquifex aeolicus
60	d1ru0a_	Alignment	not modelled	7.8	15	Fold: DCoH-like Superfamily: PCD-like Family: PCD-like
61	c2k89A_	Alignment	not modelled	7.8	29	PDB header: protein binding Chain: A: PDB Molecule: phospholipase a-2-activating protein; PDBTitle: solution structure of a novel ubiquitin-binding domain from2 human plaa (pfuc, gly76-pro77 cis isomer)
62	d2z06a1	Alignment	not modelled	7.7	15	Fold: Metallo-dependent phosphatases Superfamily: Metallo-dependent phosphatases Family: TTHA0625-like
63	d1iuka_	Alignment	not modelled	7.6	21	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: CoA-binding domain
64	c3pbiA_	Alignment	not modelled	7.5	14	PDB header: hydrolase Chain: A: PDB Molecule: invasion protein; PDBTitle: structure of the peptidoglycan hydrolase ripb (rv1478) from2 mycobacterium tuberculosis at 1.6 resolution
65	c2wwaj_	Alignment	not modelled	7.5	21	PDB header: ribosome Chain: J: PDB Molecule: 60s ribosomal protein l19; PDBTitle: cryo-em structure of idle yeast ssh1 complex bound to the2 yeast 80s ribosome
66	d2evra2	Alignment	not modelled	7.3	17	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: NlpC/P60
67	d1w44a_	Alignment	not modelled	7.1	23	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
68	c3cdxB_	Alignment	not modelled	7.1	57	PDB header: hydrolase Chain: B: PDB Molecule: succinylglutamatedesuccinylase/aspartoacylase; PDBTitle: crystal structure of2 succinylglutamatedesuccinylase/aspartoacylase from3 rhodobacter sphaeroides
69	c3cmwA_	Alignment	not modelled	7.1	18	PDB header: recombination/dna Chain: A: PDB Molecule: protein reca; PDBTitle: mechanism of homologous recombination from the reca-2 ssdna/dsdna structures
70	d2fq1a1	Alignment	not modelled	7.1	29	Fold: N domain of copper amine oxidase-like Superfamily: Frataxin/Nqo15-like Family: Frataxin-like
71	d1li4a2	Alignment	not modelled	7.0	21	Fold: Flavodoxin-like Superfamily: Formate/glycerate dehydrogenase catalytic domain-like Family: S-adenosylhomocystein hydrolase
72	d2hs5a1	Alignment	not modelled	7.0	15	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: GntR-like transcriptional regulators
73	d1ew4a_	Alignment	not modelled	7.0	21	Fold: N domain of copper amine oxidase-like Superfamily: Frataxin/Nqo15-like Family: Frataxin-like
74	d1awda_	Alignment	not modelled	7.0	30	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
75	c1od4C_	Alignment	not modelled	6.9	8	PDB header: ligase Chain: C: PDB Molecule: acetyl-coenzyme a carboxylase; PDBTitle: acetyl-coa carboxylase carboxyltransferase domain
76	c1x0uB_	Alignment	not modelled	6.9	10	PDB header: lyase Chain: B: PDB Molecule: hypothetical methylmalonyl-coa decarboxylase alpha subunit; PDBTitle: crystal structure of the carboxyl transferase subunit of putative pcc2 of sulfolobus tokodaii
77	c3f3bA_	Alignment	not modelled	6.8	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: phage-like element pbsx protein xkdh; PDBTitle: structure of the phage-like element pbsx protein xkdh from2 bacillus subtilus. northeast structural genomics3 consortium target sr352.

78	c3jtoE_	Alignment	not modelled	6.8	21	PDB header: protein binding Chain: E: PDB Molecule: adapter protein meca 2; PDBTitle: crystal structure of the c-terminal domain of ypbh
79	c3mk3L_	Alignment	not modelled	6.8	15	PDB header: transferase Chain: L: PDB Molecule: 6,7-dimethyl-8-ribityllumazine synthase; PDBTitle: crystal structure of lumazine synthase from salmonella typhimurium lt2
80	d2ac7a1	Alignment	not modelled	6.7	12	Fold: Phosphorylase/hydrolase-like Superfamily: Purine and uridine phosphorylases Family: Purine and uridine phosphorylases
81	c3a2kB_	Alignment	not modelled	6.7	18	PDB header: ligase/rna Chain: B: PDB Molecule: trna(ile)-lysine synthase; PDBTitle: crystal structure of tils complexed with trna
82	d1sp8a2	Alignment	not modelled	6.7	15	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
83	d1sbza_	Alignment	not modelled	6.7	18	Fold: Homo-oligomeric flavin-containing Cys decarboxylases, HFCD Superfamily: Homo-oligomeric flavin-containing Cys decarboxylases, HFCD Family: Homo-oligomeric flavin-containing Cys decarboxylases, HFCD
84	d2aeba1	Alignment	not modelled	6.5	28	Fold: Arginase/deacetylase Superfamily: Arginase/deacetylase Family: Arginase-like amidino hydrolases
85	c2v6uB_	Alignment	not modelled	6.5	23	PDB header: lyase Chain: B: PDB Molecule: pterin-4a-carbinolamine dehydratase; PDBTitle: high resolution crystal structure of pterin-4a-2 carbinolamine dehydratase from toxoplasma gondii
86	c3gt2A_	Alignment	not modelled	6.5	16	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of the p60 domain from m. avium2 paratuberculosis antigen map1272c
87	d1ni5a1	Alignment	not modelled	6.4	17	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Adenine nucleotide alpha hydrolases-like Family: PP-loop ATPase
88	d1ws6a1	Alignment	not modelled	6.3	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
89	c2crcA_	Alignment	not modelled	6.1	83	PDB header: ligase Chain: A: PDB Molecule: ubiquitin conjugating enzyme 7 interacting PDBTitle: solution structure of the zf-ranbp domain of the protein2 hbv associated factor
90	d1usma_	Alignment	not modelled	6.0	18	Fold: DCoH-like Superfamily: PCD-like Family: PCD-like
91	c2vs1A_	Alignment	not modelled	5.9	24	PDB header: transferase Chain: A: PDB Molecule: uncharacterized rna methyltransferase pyrab10780; PDBTitle: the crystal structure of pyrococcus abyssi trna (uracil-54,2 c5)-methyltransferase in complex with s-adenosyl-l-3 homocysteine
92	c2kmfA_	Alignment	not modelled	5.9	31	PDB header: photosynthesis Chain: A: PDB Molecule: photosystem ii 11 kda protein; PDBTitle: solution structure of psb27 from cyanobacterial photosystem2 ii
93	d1wdva_	Alignment	not modelled	5.9	10	Fold: YbaK/ProRS associated domain Superfamily: YbaK/ProRS associated domain Family: YbaK/ProRS associated domain
94	d2ceva_	Alignment	not modelled	5.9	28	Fold: Arginase/deacetylase Superfamily: Arginase/deacetylase Family: Arginase-like amidino hydrolases
95	c2nvgA_	Alignment	not modelled	5.8	10	PDB header: oxidoreductase Chain: A: PDB Molecule: ubiquinol-cytochrome c reductase iron-sulfur subunit; PDBTitle: soluble domain of rieske iron sulfur protein.
96	c2vroB_	Alignment	not modelled	5.8	14	PDB header: oxidoreductase Chain: B: PDB Molecule: aldehyde dehydrogenase; PDBTitle: crystal structure of aldehyde dehydrogenase from2 burkholderia xenovorans lb400
97	c1hvwA_	Alignment	not modelled	5.7	67	PDB header: toxin Chain: A: PDB Molecule: omega-atracotoxin-hv1a; PDBTitle: hairpinless mutant of omega-atracotoxin-hv1a
98	d1hvwA_	Alignment	not modelled	5.7	67	Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: omega toxin-like Family: Spider toxins
99	d2a7sa1	Alignment	not modelled	5.7	8	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain