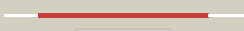


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3mcqA_	 Alignment		100.0	42	PDB header: transferase Chain: A: PDB Molecule: thiamine-monophosphate kinase; PDBTitle: crystal structure of thiamine-monophosphate kinase (mfla_0573) from2 methylobacillus flagellatus kt at 1.91 a resolution
2	c3c9uB_	 Alignment		100.0	34	PDB header: transferase Chain: B: PDB Molecule: thiamine monophosphate kinase; PDBTitle: aathil complexed with adp and tpp
3	c1vqvB_	 Alignment		100.0	34	PDB header: transferase Chain: B: PDB Molecule: thiamine monophosphate kinase; PDBTitle: crystal structure of thiamine monophosphate kinase (thi1)2 from aquifex aeolicus
4	c2yxzA_	 Alignment		100.0	27	PDB header: transferase Chain: A: PDB Molecule: thiamin-monophosphate kinase; PDBTitle: crystal structure of tt0281 from thermus thermophilus hb8
5	c2btuB_	 Alignment		100.0	16	PDB header: synthase Chain: B: PDB Molecule: phosphoribosyl-aminoimidazole synthetase; PDBTitle: crystal structure of phosphoribosylformylglycinamide2 cyclo-ligase from bacillus anthracis at 2.3a resolution.
6	c1cliD_	 Alignment		100.0	17	PDB header: ligase Chain: D: PDB Molecule: protein (phosphoribosyl-aminoimidazole synthetase); PDBTitle: x-ray crystal structure of aminoimidazole ribonucleotide synthetase2 (purm), from the e. coli purine biosynthetic pathway, at 2.5 a3 resolution
7	c2rb9D_	 Alignment		100.0	22	PDB header: structural genomics, unknown function Chain: D: PDB Molecule: hype protein; PDBTitle: crystal structure of e.coli hype
8	c2z1tA_	 Alignment		100.0	21	PDB header: lyase Chain: A: PDB Molecule: hydrogenase expression/formation protein hype; PDBTitle: crystal structure of hydrogenase maturation protein hype
9	c2z01A_	 Alignment		100.0	18	PDB header: ligase Chain: A: PDB Molecule: phosphoribosylformylglycinamide cyclo-ligase; PDBTitle: crystal structure of phosphoribosylaminoimidazole2 synthetase from geobacillus kaustophilus
10	c3m84A_	 Alignment		100.0	16	PDB header: ligase Chain: A: PDB Molecule: phosphoribosylformylglycinamide cyclo-ligase; PDBTitle: crystal structure of phosphoribosylaminoimidazole synthetase from2 francisella tularensis
11	c3fd5B_	 Alignment		100.0	19	PDB header: transferase Chain: B: PDB Molecule: selenide, water dikinase 1; PDBTitle: crystal structure of human selenophosphate synthetase 12 complex with ampcp

12	c2zauB_	Alignment		100.0	21	PDB header: transferase Chain: B: PDB Molecule: selenide, water dikinase; PDBTitle: crystal structure of an n-terminally truncated2 selenophosphate synthetase from aquifex aeolicus
13	c2zodB_	Alignment		100.0	20	PDB header: transferase Chain: B: PDB Molecule: selenide, water dikinase; PDBTitle: crystal structure of selenophosphate synthetase from2 aquifex aeolicus
14	c3ac6A_	Alignment		100.0	20	PDB header: ligase Chain: A: PDB Molecule: phosphoribosylformylglycinamide synthase 2; PDBTitle: crystal structure of purl from thermus thermophilus
15	c2z1eA_	Alignment		100.0	20	PDB header: transferase Chain: A: PDB Molecule: hydrogenase expression/formation protein hype; PDBTitle: crystal structure of hype from thermococcus kodakaraensis (outward2 form)
16	c2v9yA_	Alignment		100.0	15	PDB header: ligase Chain: A: PDB Molecule: phosphoribosylformylglycinamide cyclo-ligase; PDBTitle: human aminoimidazole ribonucleotide synthetase
17	c2hs0A_	Alignment		100.0	16	PDB header: ligase Chain: A: PDB Molecule: phosphoribosylformylglycinamide synthase ii; PDBTitle: t. maritima purl complexed with atp
18	c3d54I_	Alignment		100.0	16	PDB header: ligase Chain: I: PDB Molecule: phosphoribosylformylglycinamide synthase ii; PDBTitle: stucture of purlqs from thermotoga maritima
19	c1t3tA_	Alignment		100.0	16	PDB header: ligase Chain: A: PDB Molecule: phosphoribosylformylglycinamide synthase; PDBTitle: structure of formylglycinamide synthetase
20	c3mdoB_	Alignment		100.0	15	PDB header: ligase Chain: B: PDB Molecule: putative phosphoribosylformylglycinamide cyclo-ligase; PDBTitle: crystal structure of a putative phosphoribosylformylglycinamide2 cyclo-ligase (bdi_2101) from parabacteroides distasonis atcc 8503 at3 1.91 a resolution
21	c3kizA_	Alignment	not modelled	100.0	13	PDB header: ligase Chain: A: PDB Molecule: phosphoribosylformylglycinamide cyclo-ligase; PDBTitle: crystal structure of putative phosphoribosylformylglycinamide cyclo-2 ligase (yp_676759.1) from cytophaga hutchinsonii atcc 33406 at 1.50 a3 resolution
22	d3c9ua1	Alignment	not modelled	100.0	31	Fold: Bacillus chorismate mutase-like Superfamily: PurM N-terminal domain-like Family: PurM N-terminal domain-like
23	d1clib1	Alignment	not modelled	100.0	20	Fold: Bacillus chorismate mutase-like Superfamily: PurM N-terminal domain-like Family: PurM N-terminal domain-like
24	d1clia1	Alignment	not modelled	100.0	20	Fold: Bacillus chorismate mutase-like Superfamily: PurM N-terminal domain-like Family: PurM N-terminal domain-like
25	d3c9ua2	Alignment	not modelled	100.0	36	Fold: PurM C-terminal domain-like Superfamily: PurM C-terminal domain-like Family: PurM C-terminal domain-like
26	d2zaua1	Alignment	not modelled	100.0	22	Fold: Bacillus chorismate mutase-like Superfamily: PurM N-terminal domain-like Family: PurM N-terminal domain-like
27	d1vk3a2	Alignment	not modelled	100.0	17	Fold: Bacillus chorismate mutase-like Superfamily: PurM N-terminal domain-like Family: PurM N-terminal domain-like
28	d2zoda2	Alignment	not modelled	99.9	24	Fold: PurM C-terminal domain-like Superfamily: PurM C-terminal domain-like Family: PurM C-terminal domain-like

29	d2zoda1	Alignment	not modelled	99.9	22	Fold: Bacillus chorismate mutase-like Superfamily: PurM N-terminal domain-like Family: PurM N-terminal domain-like
30	d2z1ea2	Alignment	not modelled	99.9	18	Fold: PurM C-terminal domain-like Superfamily: PurM C-terminal domain-like Family: PurM C-terminal domain-like
31	d1clia2	Alignment	not modelled	99.9	13	Fold: PurM C-terminal domain-like Superfamily: PurM C-terminal domain-like Family: PurM C-terminal domain-like
32	d2z1ea1	Alignment	not modelled	99.9	21	Fold: Bacillus chorismate mutase-like Superfamily: PurM N-terminal domain-like Family: PurM N-terminal domain-like
33	d1vk3a3	Alignment	not modelled	99.9	16	Fold: PurM C-terminal domain-like Superfamily: PurM C-terminal domain-like Family: PurM C-terminal domain-like
34	d1t3ta6	Alignment	not modelled	99.9	13	Fold: PurM C-terminal domain-like Superfamily: PurM C-terminal domain-like Family: PurM C-terminal domain-like
35	d1vk3a1	Alignment	not modelled	99.9	16	Fold: Bacillus chorismate mutase-like Superfamily: PurM N-terminal domain-like Family: PurM N-terminal domain-like
36	d1t3ta7	Alignment	not modelled	99.7	20	Fold: PurM C-terminal domain-like Superfamily: PurM C-terminal domain-like Family: PurM C-terminal domain-like
37	d1t3ta4	Alignment	not modelled	99.7	20	Fold: Bacillus chorismate mutase-like Superfamily: PurM N-terminal domain-like Family: PurM N-terminal domain-like
38	d1t3ta5	Alignment	not modelled	99.4	19	Fold: Bacillus chorismate mutase-like Superfamily: PurM N-terminal domain-like Family: PurM N-terminal domain-like
39	c3qi7A_	Alignment	not modelled	88.4	15	PDB header: transcription Chain: A: PDB Molecule: putative transcriptional regulator; PDBTitle: crystal structure of a putative transcriptional regulator2 (yp_001089212.1) from clostridium difficile 630 at 1.86 a resolution
40	d1to3a_	Alignment	not modelled	86.4	17	Fold: TIM beta/alpha-barrel Superfamily: Aldolase Family: Class I aldolase
41	c3fokH_	Alignment	not modelled	77.1	19	PDB header: structural genomics, unknown function Chain: H: PDB Molecule: uncharacterized protein cgl0159; PDBTitle: crystal structure of cgl0159 from corynebacterium2 glutamicum (brevibacterium flavum). northeast structural3 genomics target cgr115
42	c3o1hB_	Alignment	not modelled	71.5	9	PDB header: signaling protein Chain: B: PDB Molecule: periplasmic protein tort; PDBTitle: crystal structure of the tors sensor domain - tort complex in the2 presence of tmao
43	d3dhxa1	Alignment	not modelled	63.7	12	Fold: Ferredoxin-like Superfamily: ACT-like Family: NIL domain-like
44	c2vk2A_	Alignment	not modelled	61.8	12	PDB header: transport protein Chain: A: PDB Molecule: abc transporter periplasmic-binding protein ytfq; PDBTitle: crystal structure of a galactofuranose binding protein
45	d1jyea_	Alignment	not modelled	59.9	3	Fold: Periplasmic binding protein-like I Superfamily: Periplasmic binding protein-like I Family: L-arabinose binding protein-like
46	c1jyeA_	Alignment	not modelled	59.9	3	PDB header: transcription Chain: A: PDB Molecule: lactose operon repressor; PDBTitle: structure of a dimeric lac repressor with c-terminal deletion and k84I2 substitution
47	c2rjoA_	Alignment	not modelled	57.4	12	PDB header: signaling protein Chain: A: PDB Molecule: twin-arginine translocation pathway signal protein; PDBTitle: crystal structure of twin-arginine translocation pathway signal2 protein from burkholderia phytofirmans
48	c3d8uA_	Alignment	not modelled	54.8	29	PDB header: transcription regulator Chain: A: PDB Molecule: purr transcriptional regulator; PDBTitle: the crystal structure of a purr family transcriptional regulator from2 vibrio parahaemolyticus rimd 2210633
49	c3l49D_	Alignment	not modelled	52.1	15	PDB header: transport protein Chain: D: PDB Molecule: abc sugar (ribose) transporter, periplasmic PDBTitle: crystal structure of abc sugar transporter subunit from2 rhodobacter sphaeroides 2.4.1
50	c3jrkG_	Alignment	not modelled	51.8	8	PDB header: lyase Chain: G: PDB Molecule: tagatose 1,6-diphosphate aldolase 2; PDBTitle: a putative tagatose 1,6-diphosphate aldolase from streptococcus2 pyogenes
51	c3rota_	Alignment	not modelled	51.7	9	PDB header: transport protein Chain: A: PDB Molecule: abc sugar transporter, periplasmic sugar binding protein; PDBTitle: crystal structure of abc sugar transporter (periplasmic sugar binding2 protein) from legionella pneumophila
52	c3ma0A_	Alignment	not modelled	50.1	6	PDB header: sugar binding protein Chain: A: PDB Molecule: d-xylose-binding periplasmic protein; PDBTitle: closed liganded crystal structure of xylose binding protein from2 escherichia coli
53	d8abpa_	Alignment	not modelled	49.8	15	Fold: Periplasmic binding protein-like I Superfamily: Periplasmic binding protein-like I Family: L-arabinose binding protein-like
						PDB header: transcription regulator Chain: A: PDB Molecule: sugar-binding transcriptional regulator,

54	c3cs3A_	Alignment	not modelled	45.9	15	Chain: A: PDB Molecule: crystal structure of sugar-binding transcriptional regulator (laci2 family) from enterococcus faecalis
55	c3jy6B_	Alignment	not modelled	45.6	9	PDB header: transcription regulator Chain: B: PDB Molecule: transcriptional regulator, laci family; PDBTitle: crystal structure of laci transcriptional regulator from lactobacillus2 brevis
56	d2csua1	Alignment	not modelled	45.3	13	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: CoA-binding domain
57	d2dria_	Alignment	not modelled	44.8	18	Fold: Periplasmic binding protein-like I Superfamily: Periplasmic binding protein-like I Family: L-arabinose binding protein-like
58	c3ksmA_	Alignment	not modelled	44.5	16	PDB header: transport protein Chain: A: PDB Molecule: abc-type sugar transport system, periplasmic component; PDBTitle: crystal structure of abc-type sugar transport system, periplasmic2 component from hahella chejuensis
59	c3l6uA_	Alignment	not modelled	44.4	3	PDB header: transport protein Chain: A: PDB Molecule: abc-type sugar transport system periplasmic PDBTitle: crystal structure of abc-type sugar transport system,2 periplasmic component from exigubacterium sibiricum
60	d1guda_	Alignment	not modelled	44.0	9	Fold: Periplasmic binding protein-like I Superfamily: Periplasmic binding protein-like I Family: L-arabinose binding protein-like
61	c3e61A_	Alignment	not modelled	43.2	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative transcriptional repressor of ribose operon; PDBTitle: crystal structure of a putative transcriptional repressor of ribose2 operon from staphylococcus saprophyticus subsp. saprophyticus
62	c2q6tB_	Alignment	not modelled	42.2	14	PDB header: hydrolase Chain: B: PDB Molecule: dnab replication fork helicase; PDBTitle: crystal structure of the thermus aquaticus dnab monomer
63	d2nzug1	Alignment	not modelled	42.0	18	Fold: Periplasmic binding protein-like I Superfamily: Periplasmic binding protein-like I Family: L-arabinose binding protein-like
64	d2qrra1	Alignment	not modelled	41.9	17	Fold: Ferredoxin-like Superfamily: ACT-like Family: NIL domain-like
65	c2ioyB_	Alignment	not modelled	41.3	9	PDB header: sugar binding protein Chain: B: PDB Molecule: periplasmic sugar-binding protein; PDBTitle: crystal structure of thermoanaerobacter tengcongensis2 ribose binding protein
66	c3hs3A_	Alignment	not modelled	41.2	9	PDB header: transcription regulator Chain: A: PDB Molecule: ribose operon repressor; PDBTitle: crystal structure of periplasmic binding ribose operon2 repressor protein from lactobacillus acidophilus
67	c3jvdA_	Alignment	not modelled	41.0	12	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulators; PDBTitle: crystal structure of putative transcription regulation repressor (laci2 family) from corynebacterium glutamicum
68	c3h5oB_	Alignment	not modelled	39.8	12	PDB header: transcription regulator Chain: B: PDB Molecule: transcriptional regulator gntnr; PDBTitle: the crystal structure of transcription regulator gntnr from2 chromobacterium violaceum
69	c3egcF_	Alignment	not modelled	39.5	6	PDB header: structural genomics, unknown function Chain: F: PDB Molecule: putative ribose operon repressor; PDBTitle: crystal structure of a putative ribose operon repressor from2 burkholderia thailandensis
70	c3kkeA_	Alignment	not modelled	38.5	18	PDB header: transcription regulator Chain: A: PDB Molecule: laci family transcriptional regulator; PDBTitle: crystal structure of a laci family transcriptional regulator2 from mycobacterium smegmatis
71	c3o74A_	Alignment	not modelled	37.9	24	PDB header: transcription Chain: A: PDB Molecule: fructose transport system repressor frur; PDBTitle: crystal structure of cra transcriptional dual regulator from2 pseudomonas putida
72	c3e3mA_	Alignment	not modelled	37.6	27	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator, laci family; PDBTitle: crystal structure of a laci family transcriptional2 regulator from silicibacter pomeroyi
73	c3bi1A_	Alignment	not modelled	36.9	9	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: probable laci-family transcriptional regulator; PDBTitle: crystal structure of a probable laci family transcriptional2 regulator from corynebacterium glutamicum
74	c3c3kA_	Alignment	not modelled	35.4	3	PDB header: isomerase Chain: A: PDB Molecule: alanine racemase; PDBTitle: crystal structure of an uncharacterized protein from actinobacillus2 succinogenes
75	c3ctpB_	Alignment	not modelled	35.0	12	PDB header: transcription regulator Chain: B: PDB Molecule: periplasmic binding protein/laci transcriptional regulator; PDBTitle: crystal structure of periplasmic binding protein/laci transcriptional2 regulator from alkaliphilus metalliredigens qymf complexed with d-3 xylulofuranose
76	c3gybB_	Alignment	not modelled	34.6	24	PDB header: transcription regulator Chain: B: PDB Molecule: transcriptional regulators (laci-family) PDBTitle: crystal structure of a laci-family transcriptional2 regulatory protein from corynebacterium glutamicum
77	c3d02A_	Alignment	not modelled	34.1	6	PDB header: sugar binding protein Chain: A: PDB Molecule: putative laci-type transcriptional regulator; PDBTitle: crystal structure of periplasmic sugar-binding protein2 (yp_001338366.1) from klebsiella pneumoniae subsp. pneumoniae mgh3 78578 at 1.30 a resolution
						PDB header: transcription

78	c2h0aA_	Alignment	not modelled	33.6	18	Chain: A: PDB Molecule: transcriptional regulator; PDBTitle: crystal structure of probable transcription regulator from2 thermus thermophilus
79	c2rgyA_	Alignment	not modelled	32.9	9	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator, laci family; PDBTitle: crystal structure of transcriptional regulator of laci family from2 burkholderia phymatum
80	c3brqA_	Alignment	not modelled	32.1	15	PDB header: transcription regulator Chain: A: PDB Molecule: hth-type transcriptional regulator ascg; PDBTitle: crystal structure of the escherichia coli transcriptional repressor2 ascg
81	c2o20H_	Alignment	not modelled	32.1	18	PDB header: transcription Chain: H: PDB Molecule: catabolite control protein a; PDBTitle: crystal structure of transcription regulator ccpa of lactococcus2 lactis
82	c2qvcC_	Alignment	not modelled	31.8	3	PDB header: transport protein Chain: C: PDB Molecule: sugar abc transporter, periplasmic sugar-binding PDBTitle: crystal structure of a periplasmic sugar abc transporter2 from thermotoga maritima
83	d1dbqa_	Alignment	not modelled	31.7	12	Fold: Periplasmic binding protein-like I Superfamily: Periplasmic binding protein-like I Family: L-arabinose binding protein-like
84	d1tfia_	Alignment	not modelled	31.6	0	Fold: Periplasmic binding protein-like I Superfamily: Periplasmic binding protein-like I Family: L-arabinose binding protein-like
85	c2iksA_	Alignment	not modelled	31.3	18	PDB header: transcription Chain: A: PDB Molecule: dna-binding transcriptional dual regulator; PDBTitle: crystal structure of n-terminal truncated dna-binding transcriptional2 dual regulator from escherichia coli k12
86	c3dzvB_	Alignment	not modelled	30.7	17	PDB header: transferase Chain: B: PDB Molecule: 4-methyl-5-(beta-hydroxyethyl)thiazole kinase; PDBTitle: crystal structure of 4-methyl-5-(beta-hydroxyethyl)thiazole2 kinase (np_816404.1) from enterococcus faecalis v583 at3 2.57 a resolution
87	d1tjya_	Alignment	not modelled	30.3	9	Fold: Periplasmic binding protein-like I Superfamily: Periplasmic binding protein-like I Family: L-arabinose binding protein-like
88	c2qjhH_	Alignment	not modelled	28.8	17	PDB header: lyase Chain: H: PDB Molecule: putative aldolase mj0400; PDBTitle: m. jannaschii adh synthase covalently bound to2 dihydroxyacetone phosphate
89	d1byka_	Alignment	not modelled	28.7	9	Fold: Periplasmic binding protein-like I Superfamily: Periplasmic binding protein-like I Family: L-arabinose binding protein-like
90	c2fn9A_	Alignment	not modelled	26.7	6	PDB header: sugar binding protein Chain: A: PDB Molecule: ribose abc transporter, periplasmic ribose-binding protein; PDBTitle: thermotoga maritima ribose binding protein unliganded form
91	d1o6xa_	Alignment	not modelled	24.5	28	Fold: Ferredoxin-like Superfamily: Protease propeptides/inhibitors Family: Pancreatic carboxypeptidase, activation domain
92	c3gndC_	Alignment	not modelled	23.3	11	PDB header: lyase Chain: C: PDB Molecule: aldolase lsrf; PDBTitle: crystal structure of e. coli lsrf in complex with ribulose-5-phosphate
93	d1puca_	Alignment	not modelled	23.1	11	Fold: Cell cycle regulatory proteins Superfamily: Cell cycle regulatory proteins Family: Cell cycle regulatory proteins
94	d1pyta_	Alignment	not modelled	23.0	24	Fold: Ferredoxin-like Superfamily: Protease propeptides/inhibitors Family: Pancreatic carboxypeptidase, activation domain
95	c3bb1A_	Alignment	not modelled	22.6	14	PDB header: regulatory protein Chain: A: PDB Molecule: regulatory protein of laci family; PDBTitle: crystal structure of a regulatory protein of laci family from2 chloroflexus aggregans
96	d1qd1a2	Alignment	not modelled	22.4	11	Fold: Ferredoxin-like Superfamily: Formiminotransferase domain of formiminotransferase-cyclodeaminase. Family: Formiminotransferase domain of formiminotransferase-cyclodeaminase.
97	d1pcaa1	Alignment	not modelled	22.2	28	Fold: Ferredoxin-like Superfamily: Protease propeptides/inhibitors Family: Pancreatic carboxypeptidase, activation domain
98	d2boaa2	Alignment	not modelled	21.8	20	Fold: Ferredoxin-like Superfamily: Protease propeptides/inhibitors Family: Pancreatic carboxypeptidase, activation domain
99	c3hulA_	Alignment	not modelled	21.0	15	PDB header: transferase Chain: A: PDB Molecule: homoserine kinase; PDBTitle: structure of putative homoserine kinase thrb from listeria2 monocytogenes
100	d1ayea2	Alignment	not modelled	20.9	28	Fold: Ferredoxin-like Superfamily: Protease propeptides/inhibitors Family: Pancreatic carboxypeptidase, activation domain
101	d1kwma2	Alignment	not modelled	20.9	12	Fold: Ferredoxin-like Superfamily: Protease propeptides/inhibitors Family: Pancreatic carboxypeptidase, activation domain
102	c2qu7B_	Alignment	not modelled	20.5	9	PDB header: transcription Chain: B: PDB Molecule: putative transcriptional regulator; PDBTitle: crystal structure of a putative transcription regulator2 from staphylococcus saprophyticus subsp. saprophyticus
						Fold: Cell cycle regulatory proteins

103	d1qb3a_	Alignment	not modelled	20.3	22	Superfamily: Cell cycle regulatory proteins Family: Cell cycle regulatory proteins
-----	-------------------------	-----------	--------------	------	----	---