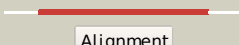
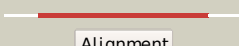
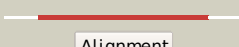
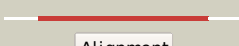
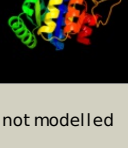
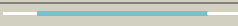
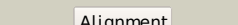
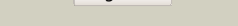


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1e19a_	 Alignment		100.0	48	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: Carbamate kinase
2	c2e9yA_	 Alignment		100.0	42	PDB header: transferase Chain: A: PDB Molecule: carbamate kinase; PDBTitle: crystal structure of project ape1968 from aeropyrum pernix k1
3	d1b7ba_	 Alignment		100.0	51	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: Carbamate kinase
4	c3kzfC_	 Alignment		100.0	44	PDB header: transferase Chain: C: PDB Molecule: carbamate kinase; PDBTitle: structure of giardia carbamate kinase
5	c2rd5A_	 Alignment		100.0	20	PDB header: protein binding Chain: A: PDB Molecule: acetylglutamate kinase-like protein; PDBTitle: structural basis for the regulation of n-acetylglutamate kinase by pii2 in arabidopsis thaliana
6	d2ap9a1	 Alignment		100.0	19	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: N-acetyl-l-glutamate kinase
7	d2bufa1	 Alignment		100.0	22	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: N-acetyl-l-glutamate kinase
8	d1gs5a_	 Alignment		100.0	22	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: N-acetyl-l-glutamate kinase
9	c2r98A_	 Alignment		100.0	17	PDB header: transferase Chain: A: PDB Molecule: putative acetylglutamate synthase; PDBTitle: crystal structure of n-acetylglutamate synthase (selenomet2 substituted) from neisseria gonorrhoeae
10	c2v5hB_	 Alignment		100.0	18	PDB header: transcription Chain: B: PDB Molecule: acetylglutamate kinase; PDBTitle: controlling the storage of nitrogen as arginine: the2 complex of pii and acetylglutamate kinase from3 synechococcus elongatus pcc 7942
11	d2btva1	 Alignment		100.0	26	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: N-acetyl-l-glutamate kinase

12	c3l86A_	Alignment		100.0	21	PDB header: transferase Chain: A: PDB Molecule: acetylglutamate kinase; PDBTitle: the crystal structure of smu.665 from streptococcus mutans ua159
13	c2j5tF_	Alignment		100.0	19	PDB header: transferase Chain: F: PDB Molecule: glutamate 5-kinase; PDBTitle: glutamate 5-kinase from escherichia coli complexed with2 glutamate
14	c2w21A_	Alignment		100.0	19	PDB header: transferase Chain: A: PDB Molecule: glutamate 5-kinase; PDBTitle: crystal structure of the aminoacid kinase domain of the2 glutamate 5 kinase of escherichia coli.
15	d2hmfal	Alignment		100.0	14	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: PyrH-like
16	c2eqxA_	Alignment		100.0	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative acetylglutamate kinase; PDBTitle: crystal structure of the putative acetylglutamate kinase from thermus2 thermophilus
17	d2bnea1	Alignment		100.0	22	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: PyrH-like
18	dlybda1	Alignment		100.0	18	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: PyrH-like
19	c3c1nA_	Alignment		100.0	14	PDB header: transferase Chain: A: PDB Molecule: probable aspartokinase; PDBTitle: crystal structure of allosteric inhibition threonine-sensitive2 aspartokinase from methanococcus jannaschii with l-threonine
20	d2akoal	Alignment		100.0	18	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: PyrH-like
21	d2cdqa1	Alignment	not modelled	100.0	10	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: PyrH-like
22	c3l76B_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: B: PDB Molecule: aspartokinase; PDBTitle: crystal structure of aspartate kinase from synechocystis
23	d1z9da1	Alignment	not modelled	100.0	18	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: PyrH-like
24	c3ek5A_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: uridylyate kinase; PDBTitle: unique gtp-binding pocket and allostery of ump kinase from a gram-2 negative phytopathogen bacterium
25	c2jixC_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: C: PDB Molecule: uridylyate kinase; PDBTitle: the crystal structure of ump kinase from bacillus anthracis2 (ba1797)
26	c3l15C_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: C: PDB Molecule: gamma-glutamyl kinase related protein; PDBTitle: crystal structure of t. acidophilum isopentenyl phosphate kinase2 product complex
27	c3l19A_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: isopentenyl phosphate kinase; PDBTitle: x-ray structures of isopentenyl phosphate kinase
28	d2a1fa1	Alignment	not modelled	100.0	22	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: PyrH-like
						Fold: Carbamate kinase-like

29	d2j0wa1	Alignment	not modelled	100.0	15	Superfamily: Carbamate kinase-like Family: PyrH-like
30	c3nwyB	Alignment	not modelled	100.0	18	PDB header: transferase Chain: B: PDB Molecule: uridylate kinase; PDBTitle: structure and allosteric regulation of the uridine monophosphate2 kinase from mycobacterium tuberculosis
31	d2ij9a1	Alignment	not modelled	100.0	27	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: PyrH-like
32	c3k4yB	Alignment	not modelled	100.0	18	PDB header: transferase Chain: B: PDB Molecule: isopentenyl phosphate kinase; PDBTitle: crystal structure of isopentenyl phosphate kinase from m. jannaschii2 in complex with ipp
33	c2cdqB	Alignment	not modelled	100.0	11	PDB header: transferase Chain: B: PDB Molecule: aspartokinase; PDBTitle: crystal structure of arabidopsis thaliana aspartate kinase2 complexed with lysine and s-adenosylmethionine
34	d2brxa1	Alignment	not modelled	100.0	23	Fold: Carbamate kinase-like Superfamily: Carbamate kinase-like Family: PyrH-like
35	c3ab4K	Alignment	not modelled	100.0	21	PDB header: transferase Chain: K: PDB Molecule: aspartokinase; PDBTitle: crystal structure of feedback inhibition resistant mutant of aspartate2 kinase from corynebacterium glutamicum in complex with lysine and3 threonine
36	c3d40A	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: foma protein; PDBTitle: crystal structure of fosfomycin resistance kinase foma from2 streptomyces wedmorensis complexed with diphosphate
37	c2j0wA	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: lysine-sensitive aspartokinase 3; PDBTitle: crystal structure of e. coli aspartokinase iii in complex2 with aspartate and adp (r-state)
38	c2ogxB	Alignment	not modelled	100.0	20	PDB header: metal binding protein Chain: B: PDB Molecule: molybdenum storage protein subunit beta; PDBTitle: the crystal structure of the molybdenum storage protein from2 azotobacter vinelandii loaded with polyoxotungstates (wsto)
39	c2va1A	Alignment	not modelled	100.0	15	PDB header: transferase Chain: A: PDB Molecule: uridylate kinase; PDBTitle: crystal structure of ump kinase from ureaplasma parvum
40	c2ogxA	Alignment	not modelled	100.0	17	PDB header: metal binding protein Chain: A: PDB Molecule: molybdenum storage protein subunit alpha; PDBTitle: the crystal structure of the molybdenum storage protein from2 azotobacter vinelandii loaded with polyoxotungstates (wsto)
41	c2j4kC	Alignment	not modelled	100.0	22	PDB header: transferase Chain: C: PDB Molecule: uridylate kinase; PDBTitle: crystal structure of uridylate kinase from sulfolobus2 solfataricus in complex with ump to 2.2 angstrom3 resolution
42	d2zdra2	Alignment	not modelled	85.2	14	Fold: TIM beta/alpha-barrel Superfamily: Aldolase Family: NeuB-like
43	c1xuzA	Alignment	not modelled	63.0	17	PDB header: biosynthetic protein Chain: A: PDB Molecule: polysialic acid capsule biosynthesis protein siac; PDBTitle: crystal structure analysis of sialic acid synthase (neub)from2 neisseria meningitidis, bound to mn2+, phosphoenolpyruvate, and n-3 acetyl mannosaminitol
44	d2obba1	Alignment	not modelled	61.7	10	Fold: HAD-like Superfamily: HAD-like Family: BT0820-like
45	c3bq9A	Alignment	not modelled	59.8	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: predicted rossmann fold nucleotide-binding domain- PDBTitle: crystal structure of predicted nucleotide-binding protein from2 idiomarina baltica os145
46	d1iowa1	Alignment	not modelled	49.9	20	Fold: PreATP-grasp domain Superfamily: PreATP-grasp domain Family: D-Alanine ligase N-terminal domain
47	c2q4dB	Alignment	not modelled	45.3	14	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: lysine decarboxylase-like protein at5g11950; PDBTitle: ensemble refinement of the crystal structure of a lysine2 decarboxylase-like protein from arabidopsis thaliana gene at5g11950
48	c3mn1B	Alignment	not modelled	43.0	21	PDB header: hydrolase Chain: B: PDB Molecule: probable yrbi family phosphatase; PDBTitle: crystal structure of probable yrbi family phosphatase from pseudomonas2 syringae pv.phaseolica 1448a
49	c4a1a1	Alignment	not modelled	41.1	24	PDB header: ribosome Chain: I: PDB Molecule: 60s ribosomal protein l13a; 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.
50	d1weka	Alignment	not modelled	40.9	19	Fold: MCP/YpsA-like Superfamily: MCP/YpsA-like Family: MoCo carrier protein-like
51	d1ydha	Alignment	not modelled	38.4	14	Fold: MCP/YpsA-like Superfamily: MCP/YpsA-like Family: MoCo carrier protein-like
52	c2dlNa	Alignment	not modelled	36.9	20	PDB header: ligase(peptidoglycan synthesis) Chain: A: PDB Molecule: d-alanine--d-alanine ligase; PDBTitle: vancomycin resistance: structure of d-alanine:d-alanine2 ligase at 2.3 angstroms resolution
53	d2q4oa1	Alignment	not modelled	36.4	10	Fold: MCP/YpsA-like Superfamily: MCP/YpsA-like

							Family:MoCo carrier protein-like
54	c2q4oA_		Alignment	not modelled	36.4	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein at2g37210/t2n18.3; PDBTitle: ensemble refinement of the crystal structure of a lysine2 decarboxylase-like protein from arabidopsis thaliana gene at2g37210
55	d1xpja_		Alignment	not modelled	33.2	13	Fold: HAD-like Superfamily: HAD-like Family: Hypothetical protein VC0232
56	d1vlia2		Alignment	not modelled	30.9	19	Fold: TIM beta/alpha-barrel Superfamily: Aldolase Family: NeuB-like
57	d2nx2a1		Alignment	not modelled	29.0	25	Fold: MCP/YpsA-like Superfamily: MCP/YpsA-like Family: YpsA-like
58	d1t35a_		Alignment	not modelled	23.7	17	Fold: MCP/YpsA-like Superfamily: MCP/YpsA-like Family: MoCo carrier protein-like
59	d1weha_		Alignment	not modelled	21.9	6	Fold: MCP/YpsA-like Superfamily: MCP/YpsA-like Family: MoCo carrier protein-like
60	d1z6za1		Alignment	not modelled	20.7	10	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
61	c1vliA_		Alignment	not modelled	19.4	19	PDB header: biosynthetic protein Chain: A: PDB Molecule: spore coat polysaccharide biosynthesis protein spse; PDBTitle: crystal structure of spore coat polysaccharide biosynthesis protein2 spse (bsu37870) from bacillus subtilis at 2.38 a resolution
62	c3fzqA_		Alignment	not modelled	19.0	19	PDB header: hydrolase Chain: A: PDB Molecule: putative hydrolase; PDBTitle: crystal structure of putative haloacid dehalogenase-like hydrolase2 (yp_001086940.1) from clostridium difficile 630 at 2.10 a resolution
63	c3gk0H_		Alignment	not modelled	18.3	33	PDB header: transferase Chain: H: PDB Molecule: pyridoxine 5'-phosphate synthase; PDBTitle: crystal structure of pyridoxal phosphate biosynthetic2 protein from burkholderia pseudomallei
64	c3g8rA_		Alignment	not modelled	18.2	21	PDB header: biosynthetic protein Chain: A: PDB Molecule: probable spore coat polysaccharide biosynthesis protein e; PDBTitle: crystal structure of putative spore coat polysaccharide biosynthesis2 protein e from chromobacterium violaceum atcc 12472
65	d2b0ja2		Alignment	not modelled	16.9	16	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: 6-phosphogluconate dehydrogenase-like, N-terminal domain
66	c3izcK_		Alignment	not modelled	16.8	18	PDB header: ribosome Chain: K: PDB Molecule: 60s ribosomal protein rpl16 (l13p); PDBTitle: localization of the large subunit ribosomal proteins into a 6.1 a2 cryo-em map of saccharomyces cerevisiae translating 80s ribosome
67	c1x3lA_		Alignment	not modelled	16.3	11	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein ph0495; PDBTitle: crystal structure of the ph0495 protein from pyrococcus horikoshii2 ot3
68	c3ewiB_		Alignment	not modelled	15.8	8	PDB header: transferase Chain: B: PDB Molecule: n-acylneuraminate cytidyltransferase; PDBTitle: structural analysis of the c-terminal domain of murine cmp-2 sialic acid synthetase
69	c3e8mD_		Alignment	not modelled	15.0	22	PDB header: transferase Chain: D: PDB Molecule: acylneuraminate cytidyltransferase; PDBTitle: structure-function analysis of 2-keto-3-deoxy-d-glycero-d-galacto-2 nononate-9-phosphate (kdn) phosphatase defines a new clad within the3 type c0 had subfamily
70	c3r4cA_		Alignment	not modelled	14.8	20	PDB header: hydrolase Chain: A: PDB Molecule: hydrolase, haloacid dehalogenase-like hydrolase; PDBTitle: divergence of structure and function among phosphatases of the2 haloalkanoate (had) enzyme superfamily: analysis of bt1666 from3 bacteroides thetaiotaomicron
71	d1m5wa_		Alignment	not modelled	14.4	30	Fold: TIM beta/alpha-barrel Superfamily: Pyridoxine 5'-phosphate synthase Family: Pyridoxine 5'-phosphate synthase
72	c3o6cA_		Alignment	not modelled	14.3	15	PDB header: transferase Chain: A: PDB Molecule: pyridoxine 5'-phosphate synthase; PDBTitle: pyridoxal phosphate biosynthetic protein pdxj from campylobacter2 jejuni
73	d2bdua1		Alignment	not modelled	14.2	11	Fold: HAD-like Superfamily: HAD-like Family: Pyrimidine 5'-nucleotidase (UMPH-1)
74	c3lqkA_		Alignment	not modelled	13.6	17	PDB header: oxidoreductase Chain: A: PDB Molecule: dipicolinate synthase subunit b; PDBTitle: crystal structure of dipicolinate synthase subunit b from bacillus2 halodurans c
75	c3nbuC_		Alignment	not modelled	13.4	11	PDB header: isomerase Chain: C: PDB Molecule: glucose-6-phosphate isomerase; PDBTitle: crystal structure of pgi glucosephosphate isomerase
76	c1xrsB_		Alignment	not modelled	13.3	15	PDB header: isomerase Chain: B: PDB Molecule: d-lysine 5,6-aminomutase beta subunit; PDBTitle: crystal structure of lysine 5,6-aminomutase in complex with plp,2 cobalamin, and 5'-deoxyadenosine
							Fold: SIS domain

77	d1gzda_	Alignment	not modelled	13.2	11	Superfamily: SIS domain Family: Phosphoglucose isomerase, PGI
78	c2pr7A_	Alignment	not modelled	12.9	8	PDB header: hydrolase Chain: A: PDB Molecule: haloacid dehalogenase/epoxide hydrolase family; PDBTitle: crystal structure of uncharacterized protein (np_599989.1) from2 corynebacterium glutamicum atcc 13032 kitasato at 1.44 a resolution
79	c3f46A_	Alignment	not modelled	12.9	16	PDB header: oxidoreductase Chain: A: PDB Molecule: 5,10-methenyltetrahydromethanopterin hydrogenase; PDBTitle: the crystal structure of c176a mutated [fe]-hydrogenase (hmd)2 holoenzyme from methanocaldococcus jannaschii
80	c3mmzA_	Alignment	not modelled	12.9	11	PDB header: hydrolase Chain: A: PDB Molecule: putative had family hydrolase; PDBTitle: crystal structure of putative had family hydrolase from streptomyces2 avermitilis ma-4680
81	d1k1ea_	Alignment	not modelled	12.8	14	Fold: HAD-like Superfamily: HAD-like Family: Probable phosphatase Yrbl
82	c3mcfF_	Alignment	not modelled	12.4	24	PDB header: oxidoreductase Chain: F: PDB Molecule: dipicolinate synthase, b chain; PDBTitle: crystal structure of the dipicolinate synthase chain b from2 bacillus cereus. northeast structural genomics consortium3 target bcr215.
83	d1rkqa_	Alignment	not modelled	12.4	28	Fold: HAD-like Superfamily: HAD-like Family: Predicted hydrolases Cof
84	d1g5qa_	Alignment	not modelled	12.3	19	Fold: Homo-oligomeric flavin-containing Cys decarboxylases, HFCD Superfamily: Homo-oligomeric flavin-containing Cys decarboxylases, HFCD Family: Homo-oligomeric flavin-containing Cys decarboxylases, HFCD
85	c3ujhB_	Alignment	not modelled	12.0	16	PDB header: isomerase Chain: B: PDB Molecule: glucose-6-phosphate isomerase; PDBTitle: crystal structure of substrate-bound glucose-6-phosphate isomerase2 from toxoplasma gondii
86	c3dnpA_	Alignment	not modelled	11.9	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: stress response protein yhax; PDBTitle: crystal structure of stress response protein yhax from bacillus2 subtilis
87	d1xrsb1	Alignment	not modelled	11.6	15	Fold: Flavodoxin-like Superfamily: Cobalamin (vitamin B12)-binding domain Family: Cobalamin (vitamin B12)-binding domain
88	c1xviA_	Alignment	not modelled	11.4	11	PDB header: hydrolase Chain: A: PDB Molecule: putative mannosyl-3-phosphoglycerate phosphatase; PDBTitle: crystal structure of yedp, phosphatase-like domain protein2 from escherichia coli k12
89	d1xvia_	Alignment	not modelled	11.4	11	Fold: HAD-like Superfamily: HAD-like Family: Predicted hydrolases Cof
90	d1iata_	Alignment	not modelled	11.2	11	Fold: SIS domain Superfamily: SIS domain Family: Phosphoglucose isomerase, PGI
91	c3pr3B_	Alignment	not modelled	11.1	22	PDB header: isomerase Chain: B: PDB Molecule: glucose-6-phosphate isomerase; PDBTitle: crystal structure of plasmodium falciparum glucose-6-phosphate2 isomerase (pf14_0341) in complex with fructose-6-phosphate
92	c3bsuF_	Alignment	not modelled	10.9	10	PDB header: hydrolase/rna/dna Chain: F: PDB Molecule: ribonuclease h1; PDBTitle: hybrid-binding domain of human rnase h1 in complex with 12-2 mer rna/dna
93	c2wu8A_	Alignment	not modelled	10.9	9	PDB header: isomerase Chain: A: PDB Molecule: glucose-6-phosphate isomerase; PDBTitle: structural studies of phosphoglucose isomerase from2 mycobacterium tuberculosis h37rv
94	d1xkla_	Alignment	not modelled	10.8	25	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Hydroxynitrile lyase-like
95	c3iz5K_	Alignment	not modelled	10.5	24	PDB header: ribosome Chain: K: PDB Molecule: 60s ribosomal protein l13a (l13p); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of tritum aestivum translating 80s ribosome
96	d1u0fa_	Alignment	not modelled	10.0	13	Fold: SIS domain Superfamily: SIS domain Family: Phosphoglucose isomerase, PGI
97	c3ljka_	Alignment	not modelled	9.5	9	PDB header: isomerase Chain: A: PDB Molecule: glucose-6-phosphate isomerase; PDBTitle: glucose-6-phosphate isomerase from francisella tularensis.
98	c2o2cB_	Alignment	not modelled	9.4	13	PDB header: isomerase Chain: B: PDB Molecule: glucose-6-phosphate isomerase, glycosomal; PDBTitle: crystal structure of phosphoglucose isomerase from t. brucei2 containing glucose-6-phosphate in the active site
99	c3iabB_	Alignment	not modelled	9.4	18	PDB header: hydrolase/rna Chain: B: PDB Molecule: ribonucleases p/mrp protein subunit pop7; PDBTitle: crystal structure of rnase p /rnase mrp proteins pop6, pop72 in a complex with the p3 domain of rnase mrp rna