



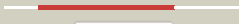







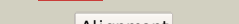

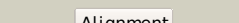

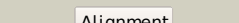



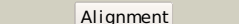


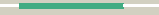






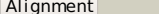
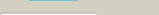



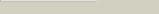


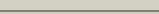
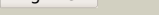
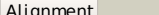
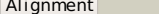

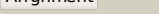
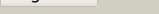
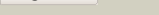
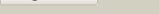


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1ni9a_	 Alignment		100.0	100	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Glpx-like bacterial fructose-1,6-bisphosphatase
2	c3luzA_	 Alignment		97.5	15	PDB header: hydrolase Chain: A: PDB Molecule: extragenic suppressor protein suhb; PDBTitle: crystal structure of extragenic suppressor protein suhb from <i>Bartonella henselae</i> , via combined iodide sad molecular replacement
3	c2p3nB_	 Alignment		96.9	18	PDB header: hydrolase Chain: B: PDB Molecule: inositol-1-monophosphatase; PDBTitle: thermotoga maritima impase tm1415
4	c2qflA_	 Alignment		96.8	20	PDB header: hydrolase Chain: A: PDB Molecule: inositol-1-monophosphatase; PDBTitle: structure of suhb: inositol monophosphatase and extragenic2 suppressor from <i>E. coli</i>
5	d1lbva_	 Alignment		96.7	23	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
6	c2czhB_	 Alignment		96.6	16	PDB header: hydrolase Chain: B: PDB Molecule: inositol monophosphatase 2; PDBTitle: crystal structure of human myo-inositol monophosphatase 22 (impa2) with phosphate ion (orthorhombic form)
7	c2fvzB_	 Alignment		96.6	16	PDB header: hydrolase Chain: B: PDB Molecule: inositol monophosphatase 2; PDBTitle: human inositol monophosphatase 2
8	d1xi6a_	 Alignment		96.5	22	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
9	d1g0ha_	 Alignment		96.4	20	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
10	c2pcrA_	 Alignment		96.3	27	PDB header: hydrolase Chain: A: PDB Molecule: inositol-1-monophosphatase; PDBTitle: crystal structure of myo-inositol-1(or 4)-monophosphatase (aq_1983)2 from <i>Aquifex aeolicus</i> vf5
11	c2q74B_	 Alignment		96.2	18	PDB header: hydrolase Chain: B: PDB Molecule: inositol-1-monophosphatase; PDBTitle: mycobacterium tuberculosis suhb

12	c3b8bA_		Alignment		95.9	16	PDB header: hydrolase Chain: A: PDB Molecule: cysq, sulfite synthesis pathway protein; PDBTitle: crystal structure of cysq from bacteroides thetaiotaomicron, a2 bacterial member of the inositol monophosphatase family
13	d2hhma_		Alignment		95.4	16	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
14	d1vdwa_		Alignment		95.0	20	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
15	d1jp4a_		Alignment		91.8	19	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
16	d1lnpa_		Alignment		90.4	23	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
17	d1d9qa_		Alignment		87.5	14	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
18	d1ka1a_		Alignment		86.2	31	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
19	c3uksB_		Alignment		83.6	17	PDB header: hydrolase Chain: B: PDB Molecule: sedoheptulose-1,7 bisphosphatase, putative; PDBTitle: 1.85 angstrom crystal structure of putative sedoheptulose-1,72 bisphosphatase from toxoplasma gondii
20	d1j5ta_		Alignment		75.6	15	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phosphate binding barrel Family: Tryptophan biosynthesis enzymes
21	c2yvka_		Alignment	not modelled	74.4	20	PDB header: isomerase Chain: A: PDB Molecule: methylthioribose-1-phosphate isomerase; PDBTitle: crystal structure of 5-methylthioribose 1-phosphate2 isomerase product complex from bacillus subtilis
22	d1t5oa_		Alignment	not modelled	68.8	23	Fold: NagB/RpiA/CoA transferase-like Superfamily: NagB/RpiA/CoA transferase-like Family: IF2B-like
23	d1g6sa_		Alignment	not modelled	64.4	19	Fold: IF3-like Superfamily: EPT/RTPC-like Family: Enolpyruvate transferase, EPT
24	d2a0ua1		Alignment	not modelled	63.4	18	Fold: NagB/RpiA/CoA transferase-like Superfamily: NagB/RpiA/CoA transferase-like Family: IF2B-like
25	c3j08A_		Alignment	not modelled	62.8	17	PDB header: hydrolase, metal transport Chain: A: PDB Molecule: copper-exporting p-type atpase a; PDBTitle: high resolution helical reconstruction of the bacterial p-type atpase2 copper transporter copa
26	c3j09A_		Alignment	not modelled	59.4	17	PDB header: hydrolase, metal transport Chain: A: PDB Molecule: copper-exporting p-type atpase a; PDBTitle: high resolution helical reconstruction of the bacterial p-type atpase2 copper transporter copa
27	c3a11D_		Alignment	not modelled	57.9	16	PDB header: isomerase Chain: D: PDB Molecule: translation initiation factor eif-2b, delta PDBTitle: crystal structure of ribose-1,5-bisphosphate isomerase from2 thermococcus kodakaraensis kod1
28	d2aeaa1		Alignment	not modelled	56.4	18	Fold: PRTase-like Superfamily: PRTase-like Family: Phosphoribosyltransferases (PRTases)
29	c2b8eB_		Alignment	not modelled	56.3	18	PDB header: membrane protein Chain: B: PDB Molecule: cation-transporting atpase; PDBTitle: copa atp binding domain

30	c3ecsD_	 Alignment	not modelled	50.7	19	PDB header: translation Chain: D: PDB Molecule: translation initiation factor eif-2b subunit PDBTitle: crystal structure of human eif2b alpha
31	c3dezA_	 Alignment	not modelled	47.5	14	PDB header: transferase Chain: A: PDB Molecule: orotate phosphoribosyltransferase; PDBTitle: crystal structure of orotate phosphoribosyltransferase from <i>Streptococcus mutans</i>
32	d1t9ka_	 Alignment	not modelled	46.9	20	Fold: NagB/RpiA/CoA transferase-like Superfamily: NagB/RpiA/CoA transferase-like Family: IF2B-like
33	d1cjca2	 Alignment	not modelled	45.3	11	Fold: Nucleotide-binding domain Superfamily: Nucleotide-binding domain Family: N-terminal domain of adrenodoxin reductase-like
34	c3n91A_	 Alignment	not modelled	44.0	34	PDB header: unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a structural genomics, unknown function2 (bacova_03430) from <i>Bacteroides ovatus</i> at 2.40 Å resolution
35	c3rfuC_	 Alignment	not modelled	42.2	17	PDB header: hydrolase, membrane protein Chain: C: PDB Molecule: copper efflux atpase; PDBTitle: crystal structure of a copper-transporting pib-type atpase
36	c3pajA_	 Alignment	not modelled	41.9	14	PDB header: transferase Chain: A: PDB Molecule: nicotinate-nucleotide pyrophosphorylase, carboxylating; PDBTitle: 2.00 Å resolution crystal structure of a quinolinate2 phosphoribosyltransferase from <i>Vibrio cholerae</i> O1 biovar eltor str.3 n16961
37	c2kg4A_	 Alignment	not modelled	39.2	17	PDB header: cell cycle Chain: A: PDB Molecule: growth arrest and dna-damage-inducible protein PDBTitle: three-dimensional structure of human gadd45alpha in2 solution by nmr
38	c3rf7A_	 Alignment	not modelled	37.0	11	PDB header: oxidoreductase Chain: A: PDB Molecule: iron-containing alcohol dehydrogenase; PDBTitle: crystal structure of an iron-containing alcohol dehydrogenase2 (sden_2133) from <i>Shewanella denitrificans</i> OS-217 at 2.12 Å resolution
39	d1vb5a_	 Alignment	not modelled	35.0	13	Fold: NagB/RpiA/CoA transferase-like Superfamily: NagB/RpiA/CoA transferase-like Family: IF2B-like
40	c3gwpA_	 Alignment	not modelled	33.0	25	PDB header: lyase Chain: A: PDB Molecule: carbon-sulfur lyase involved in aluminum resistance; PDBTitle: crystal structure of carbon-sulfur lyase involved in aluminum2 resistance (yp_878183.1) from <i>Clostridium novyi</i> nt at 2.90 Å resolution
41	d1lmb3_	 Alignment	not modelled	31.4	26	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: Phage repressors
42	c2k2wA_	 Alignment	not modelled	30.1	12	PDB header: cell cycle Chain: A: PDB Molecule: recombination and dna repair protein; PDBTitle: second brct domain of nbs1
43	c2ejaB_	 Alignment	not modelled	29.3	18	PDB header: lyase Chain: B: PDB Molecule: uroporphyrinogen decarboxylase; PDBTitle: crystal structure of uroporphyrinogen decarboxylase from <i>Mycobacterium avium</i> H37Rv
44	d1spia_	 Alignment	not modelled	28.8	20	Fold: Carbohydrate phosphatase Superfamily: Carbohydrate phosphatase Family: Inositol monophosphatase/fructose-1,6-bisphosphatase-like
45	c3roiA_	 Alignment	not modelled	27.7	18	PDB header: transferase Chain: A: PDB Molecule: 3-phosphoshikimate 1-carboxyvinyltransferase; PDBTitle: 2.20 Å resolution structure of 3-phosphoshikimate 1-2 carboxyvinyltransferase (aroA) from <i>Coxiella burnetii</i>
46	d7reqa2	 Alignment	not modelled	27.5	15	Fold: Flavodoxin-like Superfamily: Cobalamin (vitamin B12)-binding domain Family: Cobalamin (vitamin B12)-binding domain
47	d1vlja_	 Alignment	not modelled	27.4	16	Fold: Dehydroquinase synthase-like Superfamily: Dehydroquinase synthase-like Family: Iron-containing alcohol dehydrogenase
48	c2ewtA_	 Alignment	not modelled	26.7	27	PDB header: dna binding protein Chain: A: PDB Molecule: putative dna-binding protein; PDBTitle: crystal structure of the dna-binding domain of bldd
49	c2decA_	 Alignment	not modelled	25.9	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: 325aa long hypothetical protein; PDBTitle: crystal structure of the ph0510 protein from <i>Pyrococcus horikoshii</i> OT3
50	d1u7pa_	 Alignment	not modelled	25.4	23	Fold: HAD-like Superfamily: HAD-like Family: Magnesium-dependent phosphatase-1, Mdp1
51	c3pdiB_	 Alignment	not modelled	25.1	12	PDB header: protein binding Chain: B: PDB Molecule: nitrogenase mofe cofactor biosynthesis protein nifn; PDBTitle: precursor bound nifen
52	c1shyB_	 Alignment	not modelled	25.1	10	PDB header: growth factor/growth factor receptor Chain: B: PDB Molecule: hepatocyte growth factor receptor; PDBTitle: the crystal structure of hgf beta-chain in complex with the sema2 domain of the met receptor.
53	c3bfjK_	 Alignment	not modelled	24.1	15	PDB header: oxidoreductase Chain: K: PDB Molecule: 1,3-propanediol oxidoreductase; PDBTitle: crystal structure analysis of 1,3-propanediol oxidoreductase
		 Alignment				PDB header: transcription regulator

54	c3t76A_	Alignment	not modelled	23.8	8	Chain: A: PDB Molecule: transcriptional regulator vanug; PDBTitle: crystal structure of transcriptional regulator vanug, form ii
55	c3knzA_	Alignment	not modelled	23.6	12	PDB header: sugar binding protein Chain: A: PDB Molecule: putative sugar binding protein; PDBTitle: crystal structure of putative sugar binding protein (np_459565.1) from2 salmonella typhimurium lt2 at 2.50 a resolution
56	c1w2wJ_	Alignment	not modelled	23.2	19	PDB header: isomerase Chain: J: PDB Molecule: 5-methylthioribose-1-phosphate isomerase; PDBTitle: crystal structure of yeast ypr118w, a methylthioribose-1-2 phosphate isomerase related to regulatory eif2b subunits
57	d1m1nb_	Alignment	not modelled	22.3	14	Fold: Chelatase-like Superfamily: "Helical backbone" metal receptor Family: Nitrogenase iron-molybdenum protein
58	d1wpga2_	Alignment	not modelled	22.0	21	Fold: HAD-like Superfamily: HAD-like Family: Meta-cation ATPase, catalytic domain P
59	c3e59A_	Alignment	not modelled	21.9	19	PDB header: transferase Chain: A: PDB Molecule: pyoverdine biosynthesis protein pvca; PDBTitle: crystal structure of the pvca (pa2254) protein from pseudomonas2 aeruginosa
60	c2infB_	Alignment	not modelled	21.7	21	PDB header: lyase Chain: B: PDB Molecule: uroporphyrinogen decarboxylase; PDBTitle: crystal structure of uroporphyrinogen decarboxylase from2 bacillus subtilis
61	c3ox4D_	Alignment	not modelled	21.4	13	PDB header: oxidoreductase Chain: D: PDB Molecule: alcohol dehydrogenase 2; PDBTitle: structures of iron-dependent alcohol dehydrogenase 2 from zymomonas2 mobilis zm4 complexed with nad cofactor
62	c1ri9A_	Alignment	not modelled	21.1	18	PDB header: signaling protein Chain: A: PDB Molecule: fyn-binding protein; PDBTitle: structure of a helically extended sh3 domain of the t cell2 adapter protein adap
63	d1ri9a_	Alignment	not modelled	21.1	18	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
64	d1uc8a1_	Alignment	not modelled	20.4	13	Fold: PreATP-grasp domain Superfamily: PreATP-grasp domain Family: Lysine biosynthesis enzyme LysX, N-terminal domain
65	d1i4na_	Alignment	not modelled	19.6	14	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Tryptophan biosynthesis enzymes
66	c2qq1A_	Alignment	not modelled	19.4	17	PDB header: hydrolase Chain: A: PDB Molecule: fructose-1,6-bisphosphatase; PDBTitle: crystal structure of recombinant type i fructose-1,6-bisphosphatase2 from escherichia coli complexed with sulfate ions
67	d1m1na_	Alignment	not modelled	19.0	22	Fold: Chelatase-like Superfamily: "Helical backbone" metal receptor Family: Nitrogenase iron-molybdenum protein
68	c3r38A_	Alignment	not modelled	18.8	27	PDB header: transferase Chain: A: PDB Molecule: udp-n-acetylglucosamine 1-carboxyvinyltransferase 1; PDBTitle: 2.23 angstrom resolution crystal structure of udp-n-acetylglucosamine2 1-carboxyvinyltransferase (mura) from listeria monocytogenes egd-e
69	d1v8ba2_	Alignment	not modelled	18.6	19	Fold: Flavodoxin-like Superfamily: Formate/glycerate dehydrogenase catalytic domain-like Family: S-adenosylhomocystein hydrolase
70	c3h1qB_	Alignment	not modelled	18.4	22	PDB header: structural protein Chain: B: PDB Molecule: ethanolamine utilization protein eutj; PDBTitle: crystal structure of ethanolamine utilization protein eutj from2 carboxydotherrmus hydrogenoformans
71	c1x1oC_	Alignment	not modelled	18.4	18	PDB header: transferase Chain: C: PDB Molecule: nicotinate-nucleotide pyrophosphorylase; PDBTitle: crystal structure of project id tt0268 from thermus thermophilus hb8
72	c3ht4B_	Alignment	not modelled	18.1	18	PDB header: lyase Chain: B: PDB Molecule: aluminum resistance protein; PDBTitle: crystal structure of the q81a77_baccr protein from bacillus2 cereus. northeast structural genomics consortium target3 bcr213
73	d1miob_	Alignment	not modelled	18.0	17	Fold: Chelatase-like Superfamily: "Helical backbone" metal receptor Family: Nitrogenase iron-molybdenum protein
74	c2z01A_	Alignment	not modelled	17.6	13	PDB header: ligase Chain: A: PDB Molecule: phosphoribosylformylglycinamide cyclo-ligase; PDBTitle: crystal structure of phosphoribosylaminoimidazole2 synthetase from geobacillus kaustophilus
75	c3dnfB_	Alignment	not modelled	16.6	28	PDB header: oxidoreductase Chain: B: PDB Molecule: 4-hydroxy-3-methylbut-2-enyl diphosphate reductase; PDBTitle: structure of (e)-4-hydroxy-3-methyl-but-2-enyl diphosphate reductase,2 the terminal enzyme of the non-mevalonate pathway
76	d1llib_	Alignment	not modelled	16.6	28	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: Phage repressors
77	c2duwA_	Alignment	not modelled	16.1	10	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: oxidoreductase

78	c2xdqA_	Alignment	not modelled	16.1	15	Chain: A: PDB Molecule: light-independent protochlorophyllide reductase subunit n; PDBTitle: dark operative protochlorophyllide oxidoreductase (chlN-2 chlB)2 complex
79	d2ofya1	Alignment	not modelled	15.7	25	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: SinR domain-like
80	d1a8pa2	Alignment	not modelled	15.6	13	Fold: Ferredoxin reductase-like, C-terminal NADP-linked domain Superfamily: Ferredoxin reductase-like, C-terminal NADP-linked domain Family: Reductases
81	d1utxa_	Alignment	not modelled	15.4	25	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: SinR domain-like
82	c3bs3A_	Alignment	not modelled	15.3	32	PDB header: dna binding protein Chain: A: PDB Molecule: putative dna-binding protein; PDBTitle: crystal structure of a putative dna-binding protein from bacteroides2 fragilis
83	c3ej6D_	Alignment	not modelled	15.2	25	PDB header: oxidoreductase Chain: D: PDB Molecule: catalase-3; PDBTitle: neurospora crassa catalase-3 crystal structure
84	c3b7hA_	Alignment	not modelled	15.2	25	PDB header: structural protein Chain: A: PDB Molecule: prophage lp1 protein 11; PDBTitle: crystal structure of the prophage lp1 protein 11
85	d1d7ya2	Alignment	not modelled	15.1	20	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: FAD/NAD-linked reductases, N-terminal and central domains
86	c2jtvA_	Alignment	not modelled	15.1	17	PDB header: structural genomics Chain: A: PDB Molecule: protein of unknown function; PDBTitle: solution structure of protein rpa3401, northeast structural genomics2 consortium target rpt7, ontario center for structural proteomics3 target rp3384
87	c3al8B_	Alignment	not modelled	15.0	15	PDB header: signaling protein Chain: B: PDB Molecule: plexin-a2; PDBTitle: plexin a2 / semaphorin 6a complex
88	c3al9B_	Alignment	not modelled	14.9	15	PDB header: signaling protein Chain: B: PDB Molecule: plexin-a2; PDBTitle: mouse plexin a2 extracellular domain
89	c3fkjA_	Alignment	not modelled	14.5	15	PDB header: isomerase Chain: A: PDB Molecule: putative phosphosugar isomerases; PDBTitle: crystal structure of a putative phosphosugar isomerase (stm 0572) from2 salmonella typhimurium lt2 at 2.12 a resolution
90	d1ejda_	Alignment	not modelled	14.1	21	Fold: IF3-like Superfamily: EPT/RTPC-like Family: Enolpyruvate transferase, EPT
91	c3aerC_	Alignment	not modelled	13.9	21	PDB header: oxidoreductase Chain: C: PDB Molecule: light-independent protochlorophyllide reductase subunit n; PDBTitle: structure of the light-independent protochlorophyllide reductase2 catalyzing a key reduction for greening in the dark
92	c3lisB_	Alignment	not modelled	13.8	27	PDB header: transcription Chain: B: PDB Molecule: csp231i c protein; PDBTitle: crystal structure of the restriction-modification controller protein2 c.csp231i (monoclinic form)
93	d1twia2	Alignment	not modelled	13.7	14	Fold: TIM beta/alpha-barrel Superfamily: PLP-binding barrel Family: Alanine racemase-like, N-terminal domain
94	d1ccwa_	Alignment	not modelled	13.2	17	Fold: Flavodoxin-like Superfamily: Cobalamin (vitamin B12)-binding domain Family: Cobalamin (vitamin B12)-binding domain
95	c3clhA_	Alignment	not modelled	13.1	19	PDB header: lyase Chain: A: PDB Molecule: 3-dehydroquinate synthase; PDBTitle: crystal structure of 3-dehydroquinate synthase (dhqs)from2 helicobacter pylori
96	d1mioa_	Alignment	not modelled	12.9	16	Fold: Chelatase-like Superfamily: "Helical backbone" metal receptor Family: Nitrogenase iron-molybdenum protein
97	c3fj1A_	Alignment	not modelled	12.6	16	PDB header: isomerase Chain: A: PDB Molecule: putative phosphosugar isomerase; PDBTitle: crystal structure of putative phosphosugar isomerase (yp_167080.1)2 from silicibacter pomeroyi dss-3 at 1.75 a resolution
98	c3mwdB_	Alignment	not modelled	12.4	14	PDB header: transferase Chain: B: PDB Molecule: atp-citrate synthase; PDBTitle: truncated human atp-citrate lyase with citrate bound
99	d1jzta_	Alignment	not modelled	12.4	15	Fold: YjeF N-terminal domain-like Superfamily: YjeF N-terminal domain-like Family: YjeF N-terminal domain-like