



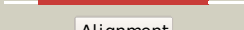

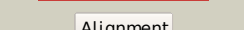

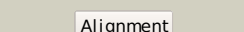







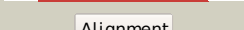

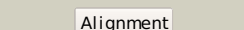

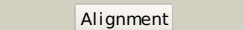






















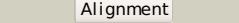
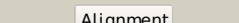





#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c1zmrA_</a>	 Alignment		100.0	100	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoglycerate kinase; <b>PDBTitle:</b> crystal structure of the e. coli phosphoglycerate kinase
2	<a href="#">d1phpa_</a>	 Alignment		100.0	47	<b>Fold:</b> Phosphoglycerate kinase <b>Superfamily:</b> Phosphoglycerate kinase <b>Family:</b> Phosphoglycerate kinase
3	<a href="#">d1vpea_</a>	 Alignment		100.0	46	<b>Fold:</b> Phosphoglycerate kinase <b>Superfamily:</b> Phosphoglycerate kinase <b>Family:</b> Phosphoglycerate kinase
4	<a href="#">c3q3vA_</a>	 Alignment		100.0	45	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoglycerate kinase; <b>PDBTitle:</b> crystal structure of phosphoglycerate kinase from campylobacter2 jejuni.
5	<a href="#">d16pka_</a>	 Alignment		100.0	42	<b>Fold:</b> Phosphoglycerate kinase <b>Superfamily:</b> Phosphoglycerate kinase <b>Family:</b> Phosphoglycerate kinase
6	<a href="#">d1v6sa_</a>	 Alignment		100.0	43	<b>Fold:</b> Phosphoglycerate kinase <b>Superfamily:</b> Phosphoglycerate kinase <b>Family:</b> Phosphoglycerate kinase
7	<a href="#">c2cunA_</a>	 Alignment		100.0	38	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoglycerate kinase; <b>PDBTitle:</b> crystal structure of phosphoglycerate kinase from pyrococcus2 horikoshii ot3
8	<a href="#">d1vjda_</a>	 Alignment		100.0	40	<b>Fold:</b> Phosphoglycerate kinase <b>Superfamily:</b> Phosphoglycerate kinase <b>Family:</b> Phosphoglycerate kinase
9	<a href="#">d1qpqa_</a>	 Alignment		100.0	43	<b>Fold:</b> Phosphoglycerate kinase <b>Superfamily:</b> Phosphoglycerate kinase <b>Family:</b> Phosphoglycerate kinase
10	<a href="#">d1hdia_</a>	 Alignment		100.0	39	<b>Fold:</b> Phosphoglycerate kinase <b>Superfamily:</b> Phosphoglycerate kinase <b>Family:</b> Phosphoglycerate kinase
11	<a href="#">d1ltka_</a>	 Alignment		100.0	39	<b>Fold:</b> Phosphoglycerate kinase <b>Superfamily:</b> Phosphoglycerate kinase <b>Family:</b> Phosphoglycerate kinase

12	<a href="#">d1fw8a_</a>	 Alignment		100.0	40	<b>Fold:</b> Phosphoglycerate kinase <b>Superfamily:</b> Phosphoglycerate kinase <b>Family:</b> Phosphoglycerate kinase
13	<a href="#">c3zvmA_</a>	 Alignment		82.0	21	<b>PDB header:</b> hydrolase/transferase/dna <b>Chain:</b> A: <b>PDB Molecule:</b> bifunctional polynucleotide phosphatase/kinase; <b>PDBTitle:</b> the structural basis for substrate recognition by mammalian2 polynucleotide kinase 3' phosphatase
14	<a href="#">c2pjuD_</a>	 Alignment		80.4	16	<b>PDB header:</b> transcription <b>Chain:</b> D: <b>PDB Molecule:</b> propionate catabolism operon regulatory protein; <b>PDBTitle:</b> crystal structure of propionate catabolism operon2 regulatory protein prpr
15	<a href="#">d1yj5a1</a>	 Alignment		76.9	18	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> phosphatase domain of polynucleotide kinase
16	<a href="#">c1yj5B_</a>	 Alignment		73.6	18	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> 5' polynucleotide kinase-3' phosphatase catalytic domain; <b>PDBTitle:</b> molecular architecture of mammalian polynucleotide kinase, a dna2 repair enzyme
17	<a href="#">c3eoeC_</a>	 Alignment		64.9	13	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> pyruvate kinase; <b>PDBTitle:</b> crystal structure of pyruvate kinase from toxoplasma gondii, 55.m00007
18	<a href="#">d2pjua1</a>	 Alignment		55.4	14	<b>Fold:</b> Chelatase-like <b>Superfamily:</b> PrpR receptor domain-like <b>Family:</b> PrpR receptor domain-like
19	<a href="#">d1c8ba_</a>	 Alignment		53.2	23	<b>Fold:</b> Phosphorylase/hydrolase-like <b>Superfamily:</b> HybD-like <b>Family:</b> Germination protease
20	<a href="#">c1pkIB_</a>	 Alignment		50.2	18	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> protein (pyruvate kinase); <b>PDBTitle:</b> the structure of leishmania pyruvate kinase
21	<a href="#">c2wdfA_</a>	 Alignment	not modelled	49.9	32	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> sulfur oxidation protein soxb; <b>PDBTitle:</b> termus thermophilus sulfate thiohydrolase soxb
22	<a href="#">c1ecjB_</a>	 Alignment	not modelled	47.7	29	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> glutamine phosphoribosylpyrophosphate <b>PDBTitle:</b> escherichia coli glutamine phosphoribosylpyrophosphate2 (prpp) amidotransferase complexed with 2 amp per tetramer
23	<a href="#">d2btya1</a>	 Alignment	not modelled	47.6	19	<b>Fold:</b> Carbamate kinase-like <b>Superfamily:</b> Carbamate kinase-like <b>Family:</b> N-acetyl-L-glutamate kinase
24	<a href="#">c2q5cA_</a>	 Alignment	not modelled	46.7	7	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> ntrc family transcriptional regulator; <b>PDBTitle:</b> crystal structure of ntrc family transcriptional regulator from2 clostridium acetobutylicum
25	<a href="#">d1weka_</a>	 Alignment	not modelled	43.8	20	<b>Fold:</b> MCP/YpsA-like <b>Superfamily:</b> MCP/YpsA-like <b>Family:</b> MoCo carrier protein-like
26	<a href="#">c2qyhD_</a>	 Alignment	not modelled	43.3	16	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> D: <b>PDB Molecule:</b> hypothetical conserved protein, gk1056; <b>PDBTitle:</b> crystal structure of the hypothetical protein (gk1056) from2 geobacillus kaustophilus hta426
27	<a href="#">c3cxtA_</a>	 Alignment	not modelled	42.8	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> dehydrogenase with different specificities; <b>PDBTitle:</b> quaternary complex structure of gluconate 5-dehydrogenase from2 streptococcus suis type 2
28	<a href="#">c2e28A_</a>	 Alignment	not modelled	42.3	14	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> pyruvate kinase; <b>PDBTitle:</b> crystal structure analysis of pyruvate kinase from

						bacillus2 steartotherophilus
29	<a href="#">d1dqua_</a>	Alignment	not modelled	38.6	18	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain <b>Family:</b> Phosphoenolpyruvate mutase/isocitrate lyase-like
30	<a href="#">d1ecfa1</a>	Alignment	not modelled	37.8	27	<b>Fold:</b> PRTase-like <b>Superfamily:</b> PRTase-like <b>Family:</b> Phosphoribosyltransferases (PRTases)
31	<a href="#">d1bj4a_</a>	Alignment	not modelled	36.7	14	<b>Fold:</b> PLP-dependent transferase-like <b>Superfamily:</b> PLP-dependent transferases <b>Family:</b> GABA-aminotransferase-like
32	<a href="#">c1e0tD_</a>	Alignment	not modelled	35.7	16	<b>PDB header:</b> phosphotransferase <b>Chain:</b> D: <b>PDB Molecule:</b> pyruvate kinase; <b>PDBTitle:</b> r292d mutant of e. coli pyruvate kinase
33	<a href="#">c3e0vB_</a>	Alignment	not modelled	35.1	17	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> pyruvate kinase; <b>PDBTitle:</b> crystal structure of pyruvate kinase from leishmania mexicana in2 complex with sulphate ions
34	<a href="#">c2r98A_</a>	Alignment	not modelled	35.0	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative acetylglutamate synthase; <b>PDBTitle:</b> crystal structure of n-acetylglutamate synthase (selenomet2 substituted) from neisseria gonorrhoeae
35	<a href="#">d1t3ta2</a>	Alignment	not modelled	34.9	20	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> Class I glutamine amidotransferase-like <b>Family:</b> Class I glutamine amidotransferases (GAT)
36	<a href="#">c3dnpA_</a>	Alignment	not modelled	33.2	26	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> stress response protein yhax; <b>PDBTitle:</b> crystal structure of stress response protein yhax from bacillus2 subtilis
37	<a href="#">d1uala_</a>	Alignment	not modelled	32.7	27	<b>Fold:</b> alpha/beta knot <b>Superfamily:</b> alpha/beta knot <b>Family:</b> tRNA(m1G37)-methyltransferase TrmD
38	<a href="#">d1u7za_</a>	Alignment	not modelled	32.3	13	<b>Fold:</b> Ribokinase-like <b>Superfamily:</b> CoaB-like <b>Family:</b> CoaB-like
39	<a href="#">c3ibgF_</a>	Alignment	not modelled	30.7	20	<b>PDB header:</b> hydrolase <b>Chain:</b> F: <b>PDB Molecule:</b> atpase, subunit of the get complex; <b>PDBTitle:</b> crystal structure of aspergillus fumigatus get3 with bound2 adp
40	<a href="#">c2wdzD_</a>	Alignment	not modelled	30.0	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> short-chain dehydrogenase/reductase; <b>PDBTitle:</b> crystal structure of the short chain dehydrogenase2 galactitol-dehydrogenase (gatdh) of rhodobacter3 sphaeroides in complex with nad+ and 1,2-pentandiol
41	<a href="#">c2v5hB_</a>	Alignment	not modelled	29.7	17	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> acetylglutamate kinase; <b>PDBTitle:</b> controlling the storage of nitrogen as arginine: the2 complex of pii and acetylglutamate kinase from3 synechococcus elongatus pcc 7942
42	<a href="#">c3dfzB_</a>	Alignment	not modelled	29.5	37	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> precorrin-2 dehydrogenase; <b>PDBTitle:</b> sirc, precorrin-2 dehydrogenase
43	<a href="#">d1p9pa_</a>	Alignment	not modelled	29.0	24	<b>Fold:</b> alpha/beta knot <b>Superfamily:</b> alpha/beta knot <b>Family:</b> tRNA(m1G37)-methyltransferase TrmD
44	<a href="#">d2z1aa2</a>	Alignment	not modelled	28.9	32	<b>Fold:</b> Metallo-dependent phosphatases <b>Superfamily:</b> Metallo-dependent phosphatases <b>Family:</b> 5'-nucleotidase (syn. UDP-sugar hydrolase), N-terminal domain
45	<a href="#">c2j5tF_</a>	Alignment	not modelled	27.3	9	<b>PDB header:</b> transferase <b>Chain:</b> F: <b>PDB Molecule:</b> glutamate 5-kinase; <b>PDBTitle:</b> glutamate 5-kinase from escherichia coli complexed with2 glutamate
46	<a href="#">c3jyfB_</a>	Alignment	not modelled	27.2	16	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> 2',3'-cyclic nucleotide 2'-phosphodiesterase/3'- <b>PDBTitle:</b> the crystal structure of a 2,3-cyclic nucleotide 2-2 phosphodiesterase/3-nucleotidase bifunctional periplasmic precursor3 protein from klebsiella pneumoniae subsp. pneumoniae mgh 78578
47	<a href="#">d2gv8a2</a>	Alignment	not modelled	27.2	26	<b>Fold:</b> FAD/NAD(P)-binding domain <b>Superfamily:</b> FAD/NAD(P)-binding domain <b>Family:</b> FAD/NAD-linked reductases, N-terminal and central domains
48	<a href="#">c3dg8B_</a>	Alignment	not modelled	27.0	21	<b>PDB header:</b> oxidoreductase, transferase <b>Chain:</b> B: <b>PDB Molecule:</b> bifunctional dihydrofolate reductase-thymidylate <b>PDBTitle:</b> quadruple mutant (n51i+c59r+s108n+i164l) plasmodium2 falciparum dihydrofolate reductase-thymidylate synthase3 (pfdhfr-ts) complexed with rjf670, nadph, and dump
49	<a href="#">c2radB_</a>	Alignment	not modelled	26.8	11	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> B: <b>PDB Molecule:</b> succinoglycan biosynthesis protein; <b>PDBTitle:</b> crystal structure of the succinoglycan biosynthesis2 protein. northeast structural genomics consortium target3 bcr135
50	<a href="#">c1kyqC_</a>	Alignment	not modelled	26.7	26	<b>PDB header:</b> oxidoreductase, lyase <b>Chain:</b> C: <b>PDB Molecule:</b> siroheme biosynthesis protein met8; <b>PDBTitle:</b> met8p: a bifunctional nad-dependent dehydrogenase and2 ferrochelatase involved in siroheme synthesis.
51	<a href="#">d3b55a1</a>	Alignment	not modelled	26.6	11	<b>Fold:</b> EreA/ChaN-like <b>Superfamily:</b> EreA/ChaN-like <b>Family:</b> EreA-like
52	<a href="#">c2kxhB_</a>	Alignment	not modelled	24.8	56	<b>PDB header:</b> protein binding <b>Chain:</b> B: <b>PDB Molecule:</b> peptide of far upstream element-binding protein 1; <b>PDBTitle:</b> solution structure of the first two rrm domains of fir in the complex2 with fbp nbx peptide <b>PDB header:</b> oxidoreductase



78	<a href="#">d1wd5a_</a>	Alignment	not modelled	19.4	23	<b>Superfamily:</b> PRTase-like <b>Family:</b> Phosphoribosyltransferases (PRTases)
79	<a href="#">c2gezE_</a>	Alignment	not modelled	19.2	18	<b>PDB header:</b> hydrolase <b>Chain:</b> E: <b>PDB Molecule:</b> l-asparaginase alpha subunit; <b>PDBTitle:</b> crystal structure of potassium-independent plant asparaginase
80	<a href="#">d1sm4a2</a>	Alignment	not modelled	19.0	11	<b>Fold:</b> Ferredoxin reductase-like, C-terminal NADP-linked domain <b>Superfamily:</b> Ferredoxin reductase-like, C-terminal NADP-linked domain <b>Family:</b> Reductases
81	<a href="#">c1l9xA_</a>	Alignment	not modelled	18.9	25	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> gamma-glutamyl hydrolase; <b>PDBTitle:</b> structure of gamma-glutamyl hydrolase
82	<a href="#">d1l9xa_</a>	Alignment	not modelled	18.9	25	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> Class I glutamine amidotransferase-like <b>Family:</b> Class I glutamine amidotransferases (GAT)
83	<a href="#">c2iz6A_</a>	Alignment	not modelled	18.8	17	<b>PDB header:</b> metal transport <b>Chain:</b> A: <b>PDB Molecule:</b> molybdenum cofactor carrier protein; <b>PDBTitle:</b> structure of the chlamydomonas reinhardtii moco carrier2 protein
84	<a href="#">c3t07D_</a>	Alignment	not modelled	18.3	17	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> D: <b>PDB Molecule:</b> pyruvate kinase; <b>PDBTitle:</b> crystal structure of s. aureus pyruvate kinase in complex with a2 naturally occurring bis-indole alkaloid
85	<a href="#">d1wzca1</a>	Alignment	not modelled	18.3	18	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Predicted hydrolases Cof
86	<a href="#">d2ji7a1</a>	Alignment	not modelled	18.2	13	<b>Fold:</b> DHS-like NAD/FAD-binding domain <b>Superfamily:</b> DHS-like NAD/FAD-binding domain <b>Family:</b> Pyruvate oxidase and decarboxylase, middle domain
87	<a href="#">c1ii8B_</a>	Alignment	not modelled	17.9	29	<b>PDB header:</b> replication <b>Chain:</b> B: <b>PDB Molecule:</b> rad50 abc-atape; <b>PDBTitle:</b> crystal structure of the p. furiosus rad50 atpase domain
88	<a href="#">c1f2uD_</a>	Alignment	not modelled	17.9	29	<b>PDB header:</b> replication <b>Chain:</b> D: <b>PDB Molecule:</b> rad50 abc-atape; <b>PDBTitle:</b> crystal structure of rad50 abc-atape
89	<a href="#">d2bmwa2</a>	Alignment	not modelled	17.8	21	<b>Fold:</b> Ferredoxin reductase-like, C-terminal NADP-linked domain <b>Superfamily:</b> Ferredoxin reductase-like, C-terminal NADP-linked domain <b>Family:</b> Reductases
90	<a href="#">d2b30a1</a>	Alignment	not modelled	17.2	26	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Predicted hydrolases Cof
91	<a href="#">c2hcuA_</a>	Alignment	not modelled	17.2	12	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> 3-isopropylmalate dehydratase small subunit; <b>PDBTitle:</b> crystal structure of smu.1381 (or leud) from streptococcus2 mutans
92	<a href="#">c3rihB_</a>	Alignment	not modelled	17.0	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> short chain dehydrogenase or reductase; <b>PDBTitle:</b> crystal structure of a putative short chain dehydrogenase or reductase2 from mycobacterium abscessus
93	<a href="#">c2rd5A_</a>	Alignment	not modelled	17.0	14	<b>PDB header:</b> protein binding <b>Chain:</b> A: <b>PDB Molecule:</b> acetylglutamate kinase-like protein; <b>PDBTitle:</b> structural basis for the regulation of n-acetylglutamate kinase by pii2 in arabidopsis thaliana
94	<a href="#">c3pvjB_</a>	Alignment	not modelled	16.9	13	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> alpha-ketoglutarate-dependent taurine dioxygenase; <b>PDBTitle:</b> crystal structure of the fe(ii)/alpha-ketoglutarate dependent taurine2 dioxygenase from pseudomonas putida kt2440
95	<a href="#">d1ma3a_</a>	Alignment	not modelled	16.8	15	<b>Fold:</b> DHS-like NAD/FAD-binding domain <b>Superfamily:</b> DHS-like NAD/FAD-binding domain <b>Family:</b> Sir2 family of transcriptional regulators
96	<a href="#">d1m2xa_</a>	Alignment	not modelled	16.7	11	<b>Fold:</b> Metallo-hydrolase/oxidoreductase <b>Superfamily:</b> Metallo-hydrolase/oxidoreductase <b>Family:</b> Zn metallo-beta-lactamase
97	<a href="#">d1ybda1</a>	Alignment	not modelled	16.4	18	<b>Fold:</b> Carbamate kinase-like <b>Superfamily:</b> Carbamate kinase-like <b>Family:</b> PyrH-like
98	<a href="#">c2c07A_</a>	Alignment	not modelled	16.1	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> 3-oxoacyl-(acyl-carrier protein) reductase; <b>PDBTitle:</b> oxoacyl-acp reductase of plasmodium falciparum
99	<a href="#">d2c07a1</a>	Alignment	not modelled	16.1	19	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> Tyrosine-dependent oxidoreductases