










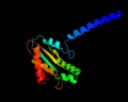












#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c1w25B_</a>	 Alignment		100.0	32	<b>PDB header:</b> signaling protein <b>Chain:</b> B: <b>PDB Molecule:</b> stalked-cell differentiation controlling protein; <b>PDBTitle:</b> response regulator pled in complex with c-digmp
2	<a href="#">c3ezuA_</a>	 Alignment		100.0	24	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> ggdef domain protein; <b>PDBTitle:</b> crystal structure of multidomain protein of unknown function with2 ggdef-domain (np_951600.1) from geobacter sulfurreducens at 1.95 a3 resolution
3	<a href="#">c3breA_</a>	 Alignment		100.0	26	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> probable two-component response regulator; <b>PDBTitle:</b> crystal structure of p.aeruginosa pa3702
4	<a href="#">c3i5aA_</a>	 Alignment		100.0	26	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> response regulator/ggdef domain protein; <b>PDBTitle:</b> crystal structure of full-length wspR from pseudomonas syringae
5	<a href="#">c3qvyB_</a>	 Alignment		100.0	27	<b>PDB header:</b> signaling protein/inhibitor <b>Chain:</b> B: <b>PDB Molecule:</b> response regulator; <b>PDBTitle:</b> a novel interaction mode between a microbial ggdef domain and the bis-2 (3, 5)-cyclic di-gmp
6	<a href="#">c3i5cA_</a>	 Alignment		100.0	30	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> fusion of general control protein gcn4 and wspR response <b>PDBTitle:</b> crystal structure of a fusion protein containing the leucine zipper of2 gcn4 and the ggdef domain of wspR from pseudomonas aeruginosa
7	<a href="#">c3i5bA_</a>	 Alignment		100.0	30	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> wspR response regulator; <b>PDBTitle:</b> crystal structure of the isolated ggdef domain of wspR from2 pseudomonas aeruginosa
8	<a href="#">c3hvaA_</a>	 Alignment		100.0	21	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein fimx; <b>PDBTitle:</b> crystal structure of fimx ggdef domain from pseudomonas2 aeruginosa
9	<a href="#">c3ic1A_</a>	 Alignment		100.0	33	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> eal/ggdef domain protein; <b>PDBTitle:</b> x-ray structure of protein (eal/ggdef domain protein) from2 m.capsulatus, northeast structural genomics consortium3 target mcr174c
10	<a href="#">c3ignA_</a>	 Alignment		100.0	30	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> diguanilate cyclase; <b>PDBTitle:</b> crystal structure of the ggdef domain from marinobacter2 aquaeolei diguanilate cyclase complexed with c-di-gmp -3 northeast structural genomics consortium target mqr89a
11	<a href="#">d1w25a3</a>	 Alignment		100.0	38	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> Nucleotide cyclase <b>Family:</b> GGDEF domain



29	<a href="#">c3uvjC_</a>	Alignment	not modelled	87.8	13	<b>Chain:</b> C: <b>PDB Molecule:</b> guanylate cyclase soluble subunit alpha-3; <b>PDBTitle:</b> crystal structure of the catalytic domain of the heterodimeric human2 soluble guanylate cyclase 1.
30	<a href="#">c3gqcB_</a>	Alignment	not modelled	87.7	19	<b>PDB header:</b> transferase/dna <b>Chain:</b> B: <b>PDB Molecule:</b> dna repair protein rev1; <b>PDBTitle:</b> structure of human rev1-dna-dntp ternary complex
31	<a href="#">c1k1qA_</a>	Alignment	not modelled	84.7	15	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> dbh protein; <b>PDBTitle:</b> crystal structure of a dinb family error prone dna2 polymerase from sulfolobus solfataricus
32	<a href="#">d1k1sa2</a>	Alignment	not modelled	83.9	15	<b>Fold:</b> DNA/RNA polymerases <b>Superfamily:</b> DNA/RNA polymerases <b>Family:</b> Lesion bypass DNA polymerase (Y-family), catalytic domain
33	<a href="#">c2r8kB_</a>	Alignment	not modelled	80.0	24	<b>PDB header:</b> replication, transferase/dna <b>Chain:</b> B: <b>PDB Molecule:</b> dna polymerase eta; <b>PDBTitle:</b> structure of the eukaryotic dna polymerase eta in complex with 1,2-2 d(gpg)-cisplatin containing dna
34	<a href="#">c3onqB_</a>	Alignment	not modelled	79.7	4	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> regulator of polyketide synthase expression; <b>PDBTitle:</b> crystal structure of regulator of polyketide synthase expression2 bad_0249 from bifidobacterium adolescentis
35	<a href="#">d1jx4a2</a>	Alignment	not modelled	78.6	13	<b>Fold:</b> DNA/RNA polymerases <b>Superfamily:</b> DNA/RNA polymerases <b>Family:</b> Lesion bypass DNA polymerase (Y-family), catalytic domain
36	<a href="#">d1im4a_</a>	Alignment	not modelled	76.2	14	<b>Fold:</b> DNA/RNA polymerases <b>Superfamily:</b> DNA/RNA polymerases <b>Family:</b> Lesion bypass DNA polymerase (Y-family), catalytic domain
37	<a href="#">c1jihA_</a>	Alignment	not modelled	74.9	24	<b>PDB header:</b> translation <b>Chain:</b> A: <b>PDB Molecule:</b> dna polymerase eta; <b>PDBTitle:</b> yeast dna polymerase eta
38	<a href="#">c3et6A_</a>	Alignment	not modelled	72.6	12	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> soluble guanylyl cyclase beta; <b>PDBTitle:</b> the crystal structure of the catalytic domain of a eukaryotic2 guanylate cyclase
39	<a href="#">c1yk9A_</a>	Alignment	not modelled	72.3	9	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate cyclase; <b>PDBTitle:</b> crystal structure of a mutant form of the mycobacterial2 adenylate cyclase rv1625c
40	<a href="#">d1jiha2</a>	Alignment	not modelled	65.7	23	<b>Fold:</b> DNA/RNA polymerases <b>Superfamily:</b> DNA/RNA polymerases <b>Family:</b> Lesion bypass DNA polymerase (Y-family), catalytic domain
41	<a href="#">c1t3nB_</a>	Alignment	not modelled	65.3	34	<b>PDB header:</b> replication/dna <b>Chain:</b> B: <b>PDB Molecule:</b> polymerase (dna directed) iota; <b>PDBTitle:</b> structure of the catalytic core of dna polymerase iota in2 complex with dna and dttp
42	<a href="#">c2f1IA_</a>	Alignment	not modelled	63.1	31	<b>PDB header:</b> replication/dna <b>Chain:</b> A: <b>PDB Molecule:</b> dna polymerase iota; <b>PDBTitle:</b> ternary complex of human dna polymerase iota with dna and dttp
43	<a href="#">c1t94B_</a>	Alignment	not modelled	62.2	24	<b>PDB header:</b> replication <b>Chain:</b> B: <b>PDB Molecule:</b> polymerase (dna directed) kappa; <b>PDBTitle:</b> crystal structure of the catalytic core of human dna2 polymerase kappa
44	<a href="#">c2oh2B_</a>	Alignment	not modelled	62.0	21	<b>PDB header:</b> transferase/dna <b>Chain:</b> B: <b>PDB Molecule:</b> dna polymerase kappa; <b>PDBTitle:</b> ternary complex of human dna polymerase
45	<a href="#">c3mr2A_</a>	Alignment	not modelled	60.4	23	<b>PDB header:</b> transferase/dna <b>Chain:</b> A: <b>PDB Molecule:</b> dna polymerase eta; <b>PDBTitle:</b> human dna polymerase eta in complex with normal dna and incoming2 nucleotide (nrm)
46	<a href="#">c1y10C_</a>	Alignment	not modelled	56.1	9	<b>PDB header:</b> lyase <b>Chain:</b> C: <b>PDB Molecule:</b> hypothetical protein rv1264/mt1302; <b>PDBTitle:</b> mycobacterial adenylate cyclase rv1264, holoenzyme, inhibited state
47	<a href="#">c2wz1B_</a>	Alignment	not modelled	44.7	9	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> guanylate cyclase soluble subunit beta-1; <b>PDBTitle:</b> structure of the catalytic domain of human soluble2 guanylate cyclase 1 beta 3.
48	<a href="#">d1t94a2</a>	Alignment	not modelled	30.8	23	<b>Fold:</b> DNA/RNA polymerases <b>Superfamily:</b> DNA/RNA polymerases <b>Family:</b> Lesion bypass DNA polymerase (Y-family), catalytic domain
49	<a href="#">c1vloA_</a>	Alignment	not modelled	29.5	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> aminomethyltransferase; <b>PDBTitle:</b> crystal structure of aminomethyltransferase (t protein;2 tetrahydrofolate-dependent) of glycine cleavage system (np417381)3 from escherichia coli k12 at 1.70 a resolution
50	<a href="#">d1yhta1</a>	Alignment	not modelled	28.5	20	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> beta-N-acetylhexosaminidase catalytic domain
51	<a href="#">c3hf3A_</a>	Alignment	not modelled	27.3	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> chromate reductase; <b>PDBTitle:</b> old yellow enzyme from thermus scotoductus sa-01
52	<a href="#">c3mpbA_</a>	Alignment	not modelled	23.7	23	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> sugar isomerase; <b>PDBTitle:</b> z5688 from e. coli o157:h7 bound to fructose
53	<a href="#">c2h90A_</a>	Alignment	not modelled	21.8	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> xenobiotic reductase a; <b>PDBTitle:</b> xenobiotic reductase a in complex with coumarin
54	<a href="#">d1ps9a1</a>	Alignment	not modelled	19.9	21	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> FMN-linked oxidoreductases <b>Family:</b> FMN-linked oxidoreductases

55	<a href="#">c1rgsA</a>	Alignment	not modelled	19.7	24	<b>PDB header:</b> kinase <b>Chain:</b> A: <b>PDB Molecule:</b> camp dependent protein kinase; <b>PDBTitle:</b> regulatory subunit of camp dependent protein kinase
56	<a href="#">c2byvE</a>	Alignment	not modelled	18.9	15	<b>PDB header:</b> regulation <b>Chain:</b> E: <b>PDB Molecule:</b> rap guanine nucleotide exchange factor 4; <b>PDBTitle:</b> structure of the camp responsive exchange factor epac2 in2 its auto-inhibited state
57	<a href="#">d1mo1a</a>	Alignment	not modelled	18.8	32	<b>Fold:</b> HPr-like <b>Superfamily:</b> HPr-like <b>Family:</b> HPr-like
58	<a href="#">d1ptfa</a>	Alignment	not modelled	17.3	14	<b>Fold:</b> HPr-like <b>Superfamily:</b> HPr-like <b>Family:</b> HPr-like
59	<a href="#">c1n13J</a>	Alignment	not modelled	17.0	17	<b>PDB header:</b> lyase <b>Chain:</b> J: <b>PDB Molecule:</b> pyruvoyl-dependent arginine decarboxylase alpha <b>PDBTitle:</b> the crystal structure of pyruvoyl-dependent arginine2 decarboxylase from methanococcus jannashii
60	<a href="#">c3in6A</a>	Alignment	not modelled	16.8	42	<b>PDB header:</b> flavoprotein <b>Chain:</b> A: <b>PDB Molecule:</b> fmn-binding protein; <b>PDBTitle:</b> crystal structure of a fmn-binding protein (swol_0183) from2 syntrophomonas wolfei subsp. wolfei at 2.12 a resolution
61	<a href="#">d1cm3a</a>	Alignment	not modelled	16.5	12	<b>Fold:</b> HPr-like <b>Superfamily:</b> HPr-like <b>Family:</b> HPr-like
62	<a href="#">d1zeta2</a>	Alignment	not modelled	16.4	41	<b>Fold:</b> DNA/RNA polymerases <b>Superfamily:</b> DNA/RNA polymerases <b>Family:</b> Lesion bypass DNA polymerase (Y-family), catalytic domain
63	<a href="#">d3c9fa2</a>	Alignment	not modelled	15.8	24	<b>Fold:</b> Metallo-dependent phosphatases <b>Superfamily:</b> Metallo-dependent phosphatases <b>Family:</b> 5'-nucleotidase (syn. UDP-sugar hydrolase), N-terminal domain
64	<a href="#">c3ihsB</a>	Alignment	not modelled	15.6	28	<b>PDB header:</b> transport protein <b>Chain:</b> B: <b>PDB Molecule:</b> phosphocarrier protein hpr; <b>PDBTitle:</b> crystal structure of a phosphocarrier protein hpr from2 bacillus anthracis str. ames
65	<a href="#">c1o7fA</a>	Alignment	not modelled	15.1	14	<b>PDB header:</b> regulation <b>Chain:</b> A: <b>PDB Molecule:</b> camp-dependent rap1 guanine-nucleotide exchange <b>PDBTitle:</b> crystal structure of the regulatory domain of epac2
66	<a href="#">d1zvvl1</a>	Alignment	not modelled	13.6	32	<b>Fold:</b> HPr-like <b>Superfamily:</b> HPr-like <b>Family:</b> HPr-like
67	<a href="#">c3le1B</a>	Alignment	not modelled	12.5	20	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> phosphotransferase system, hpr-related proteins; <b>PDBTitle:</b> crystal structure of apohpr monomer from thermoanaerobacter2 tengcongensis
68	<a href="#">c3k30B</a>	Alignment	not modelled	12.0	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> histamine dehydrogenase; <b>PDBTitle:</b> histamine dehydrogenase from nocardiodes simplex
69	<a href="#">d1qr5a</a>	Alignment	not modelled	11.9	7	<b>Fold:</b> HPr-like <b>Superfamily:</b> HPr-like <b>Family:</b> HPr-like
70	<a href="#">c3shrA</a>	Alignment	not modelled	11.8	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> cgm-p-dependent protein kinase 1; <b>PDBTitle:</b> crystal structure of cgm-p-dependent protein kinase reveals novel site2 of interchain communication
71	<a href="#">c2i34B</a>	Alignment	not modelled	11.8	29	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> acid phosphatase; <b>PDBTitle:</b> the crystal structure of class c acid phosphatase from bacillus2 anthracis with tungstate bound
72	<a href="#">c3rbuA</a>	Alignment	not modelled	11.7	19	<b>PDB header:</b> hydrolase/hydrolase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> glutamate carboxypeptidase 2; <b>PDBTitle:</b> n-terminally avitev-tagged human glutamate carboxypeptidase ii in2 complex with 2-pmpa
73	<a href="#">d1k3xa1</a>	Alignment	not modelled	11.4	30	<b>Fold:</b> S13-like H2TH domain <b>Superfamily:</b> S13-like H2TH domain <b>Family:</b> Middle domain of MutM-like DNA repair proteins
74	<a href="#">c2ootA</a>	Alignment	not modelled	10.8	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> glutamate carboxypeptidase 2; <b>PDBTitle:</b> a high resolution structure of ligand-free human glutamate2 carboxypeptidase ii
75	<a href="#">d1ka5a</a>	Alignment	not modelled	10.7	8	<b>Fold:</b> HPr-like <b>Superfamily:</b> HPr-like <b>Family:</b> HPr-like
76	<a href="#">c3c9fB</a>	Alignment	not modelled	10.7	21	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> 5'-nucleotidase; <b>PDBTitle:</b> crystal structure of 5'-nucleotidase from candida albicans sc5314
77	<a href="#">d1wosa2</a>	Alignment	not modelled	10.5	21	<b>Fold:</b> Folate-binding domain <b>Superfamily:</b> Folate-binding domain <b>Family:</b> Aminomethyltransferase folate-binding domain
78	<a href="#">d1nowa1</a>	Alignment	not modelled	10.5	20	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> beta-N-acetylhexosaminidase catalytic domain
79	<a href="#">d1qbaa3</a>	Alignment	not modelled	10.4	29	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> beta-N-acetylhexosaminidase catalytic domain
80	<a href="#">c3of1A</a>	Alignment	not modelled	10.3	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> camp-dependent protein kinase regulatory subunit; <b>PDBTitle:</b> crystal structure of bcy1, the yeast regulatory subunit of

						pka
81	<a href="#">c1cx8F_</a>	Alignment	not modelled	10.2	16	<b>PDB header:</b> metal transport <b>Chain:</b> F: <b>PDB Molecule:</b> transferrin receptor protein; <b>PDBTitle:</b> crytal structure of the ectodomain of human transferrin receptor
82	<a href="#">d1vr6a1</a>	Alignment	not modelled	9.8	17	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Aldolase <b>Family:</b> Class I DAHP synthetase
83	<a href="#">c3fgeA_</a>	Alignment	not modelled	9.7	23	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> putative flavin reductase with split barrel domain; <b>PDBTitle:</b> crystal structure of putative flavin reductase with split barrel2 domain (yp_750721.1) from shewanella frigidimarina ncimb 400 at 1.743 a resolution
84	<a href="#">d2o5aa1</a>	Alignment	not modelled	9.7	18	<b>Fold:</b> Nucleotidyltransferase <b>Superfamily:</b> Nucleotidyltransferase <b>Family:</b> lojap/YbeB-like
85	<a href="#">d1cgme_</a>	Alignment	not modelled	9.6	19	<b>Fold:</b> Four-helical up-and-down bundle <b>Superfamily:</b> TMV-like viral coat proteins <b>Family:</b> TMV-like viral coat proteins
86	<a href="#">d1tdza1</a>	Alignment	not modelled	9.6	40	<b>Fold:</b> S13-like H2TH domain <b>Superfamily:</b> S13-like H2TH domain <b>Family:</b> Middle domain of MutM-like DNA repair proteins
87	<a href="#">c1worA_</a>	Alignment	not modelled	9.5	21	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> aminomethyltransferase; <b>PDBTitle:</b> crystal structure of t-protein of the glycine cleavage2 system
88	<a href="#">d1ei7a_</a>	Alignment	not modelled	9.4	36	<b>Fold:</b> Four-helical up-and-down bundle <b>Superfamily:</b> TMV-like viral coat proteins <b>Family:</b> TMV-like viral coat proteins
89	<a href="#">c3kmlB_</a>	Alignment	not modelled	9.1	36	<b>PDB header:</b> viral protein <b>Chain:</b> B: <b>PDB Molecule:</b> coat protein; <b>PDBTitle:</b> circular permutant of the tobacco mosaic virus
90	<a href="#">c3iyuY_</a>	Alignment	not modelled	9.1	19	<b>PDB header:</b> virus <b>Chain:</b> Y: <b>PDB Molecule:</b> outer capsid protein vp4; <b>PDBTitle:</b> atomic model of an infectious rotavirus particle
91	<a href="#">c1ps9A_</a>	Alignment	not modelled	9.1	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> 2,4-dienoyl-coa reductase; <b>PDBTitle:</b> the crystal structure and reaction mechanism of e. coli 2,4-2 dienoyl coa reductase
92	<a href="#">c1qbaA_</a>	Alignment	not modelled	9.0	33	<b>PDB header:</b> glycosyl hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> chitobiase; <b>PDBTitle:</b> bacterial chitobiase, glycosyl hydrolase family 20
93	<a href="#">d1ee8a1</a>	Alignment	not modelled	8.8	40	<b>Fold:</b> S13-like H2TH domain <b>Superfamily:</b> S13-like H2TH domain <b>Family:</b> Middle domain of MutM-like DNA repair proteins
94	<a href="#">c2jroA_</a>	Alignment	not modelled	8.6	18	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> solution nmr structure of so0334 from shewanella oneidensis. northeast2 structural genomics target sor75
95	<a href="#">d1vh8a_</a>	Alignment	not modelled	8.5	18	<b>Fold:</b> Bacillus chorismate mutase-like <b>Superfamily:</b> lpsF-like <b>Family:</b> lpsF-like
96	<a href="#">c2wk1A_</a>	Alignment	not modelled	8.2	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> novp; <b>PDBTitle:</b> structure of the o-methyltransferase novp
97	<a href="#">d1k82a1</a>	Alignment	not modelled	8.1	30	<b>Fold:</b> S13-like H2TH domain <b>Superfamily:</b> S13-like H2TH domain <b>Family:</b> Middle domain of MutM-like DNA repair proteins
98	<a href="#">c3gveB_</a>	Alignment	not modelled	8.0	11	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> yfkn protein; <b>PDBTitle:</b> crystal structure of calcineurin-like phosphoesterase yfkn from2 bacillus subtilis
99	<a href="#">c2ylaA_</a>	Alignment	not modelled	8.0	23	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> beta-n-acetylhexosaminidase; <b>PDBTitle:</b> inhibition of the pneumococcal virulence factor strh and2 molecular insights into n-glycan recognition and3 hydrolysis