

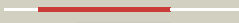
















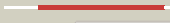
















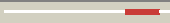








#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1zvvaA_	 Alignment		100.0	99	PDB header: isomerase Chain: A: PDB Molecule: topoisomerase iv subunit a; PDBTitle: structure of the full-length e. coli parc subunit
2	c2xcsD_	 Alignment		100.0	45	PDB header: isomerase Chain: D: PDB Molecule: dna gyrase subunit b, dna gyrase subunit a; PDBTitle: the 2.1a crystal structure of s. aureus gyrase complex with gsk2994232 and dna
3	c2xkjE_	 Alignment		100.0	67	PDB header: isomerase Chain: E: PDB Molecule: topoisomerase iv; PDBTitle: crystal structure of catalytic core of a. baumannii topo iv2 (pare-parc fusion truncate)
4	c2wl2B_	 Alignment		100.0	46	PDB header: isomerase Chain: B: PDB Molecule: dna gyrase subunit a; PDBTitle: crystal structure of n-terminal domain of gyra with the2 antibiotic simocyclinone d8
5	c3ifzA_	 Alignment		100.0	41	PDB header: isomerase Chain: A: PDB Molecule: dna gyrase subunit a; PDBTitle: crystal structure of the first part of the mycobacterium tuberculosis2 dna gyrase reaction core: the breakage and reunion domain at 2.7 a3 resolution
6	d1ab4a_	 Alignment		100.0	47	Fold: Type II DNA topoisomerase Superfamily: Type II DNA topoisomerase Family: Type II DNA topoisomerase
7	c2xcqA_	 Alignment		100.0	47	PDB header: isomerase Chain: A: PDB Molecule: dna gyrase subunit b, dna gyrase subunit a; PDBTitle: the 2.98a crystal structure of the catalytic core (b'a'2 region) of staphylococcus aureus dna gyrase
8	c3ilwA_	 Alignment		100.0	41	PDB header: isomerase Chain: A: PDB Molecule: dna gyrase subunit a; PDBTitle: structure of dna gyrase subunit a n-terminal domain
9	c2inrA_	 Alignment		100.0	42	PDB header: isomerase Chain: A: PDB Molecule: dna topoisomerase 4 subunit a; PDBTitle: crystal structure of a 59 kda fragment of topoisomerase iv subunit a2 (gr1a) from staphylococcus aureus
10	c2novD_	 Alignment		100.0	42	PDB header: isomerase Chain: D: PDB Molecule: dna topoisomerase 4 subunit a; PDBTitle: breakage-reunion domain of s.pneumoniae topo iv: crystal2 structure of a gram-positive quinolone target
11	c3qx3B_	 Alignment		100.0	22	PDB header: isomerase/dna/isomerase inhibitor Chain: B: PDB Molecule: dna topoisomerase 2-beta; PDBTitle: human topoisomerase iibeta in complex with dna and etoposide

12	c1bjtA_		Alignment		100.0	23	PDB header: topoisomerase Chain: A: PDB Molecule: topoisomerase ii; PDBTitle: topoisomerase ii residues 409-1201
13	d1bjta_		Alignment		100.0	23	Fold: Type II DNA topoisomerase Superfamily: Type II DNA topoisomerase Family: Type II DNA topoisomerase
14	c3l6vA_		Alignment		100.0	20	PDB header: isomerase Chain: A: PDB Molecule: dna gyrase subunit a; PDBTitle: crystal structure of the xanthomonas campestris gyrase a c-2 terminal domain
15	d1wp5a_		Alignment		100.0	15	Fold: 6-bladed beta-propeller Superfamily: GyrA/ParC C-terminal domain-like Family: GyrA/ParC C-terminal domain-like
16	c1zvtA_		Alignment		100.0	100	PDB header: isomerase Chain: A: PDB Molecule: topoisomerase iv subunit a; PDBTitle: structure of the e. coli parC c-terminal domain
17	c1zi0A_		Alignment		100.0	18	PDB header: isomerase, dna bindng protein Chain: A: PDB Molecule: dna gyrase subunit a; PDBTitle: a superhelical spiral in escherichia coli dna gyrase a c-2 terminal domain imparts unidirectional supercoiling bias
18	d1suua_		Alignment		100.0	16	Fold: 6-bladed beta-propeller Superfamily: GyrA/ParC C-terminal domain-like Family: GyrA/ParC C-terminal domain-like
19	c3no0B_		Alignment		100.0	18	PDB header: isomerase Chain: B: PDB Molecule: dna gyrase subunit a; PDBTitle: aquifex aeolicus type iia topoisomerase c-terminal domain
20	d1x75a1		Alignment		99.9	48	Fold: Type II DNA topoisomerase Superfamily: Type II DNA topoisomerase Family: Type II DNA topoisomerase
21	c3ku8A_		Alignment	not modelled	99.9	48	PDB header: toxin/isomerase Chain: A: PDB Molecule: dna gyrase subunit a; PDBTitle: ccdvfi:gyra14ec
22	c1t3jA_		Alignment	not modelled	91.6	23	PDB header: membrane protein Chain: A: PDB Molecule: mitofusin 1; PDBTitle: mitofusin domain hr2 v686m/i 708m mutant
23	c3fokH_		Alignment	not modelled	63.4	23	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
24	c2qjhH_		Alignment	not modelled	47.9	11	PDB header: lyase Chain: H: PDB Molecule: putative aldolase mj0400; PDBTitle: m. jannaschii adh synthase covalently bound to2 dihydroxyacetone phosphate
25	c1c9lA_		Alignment	not modelled	44.7	10	PDB header: endocytosis/exocytosis Chain: A: PDB Molecule: clathrin; PDBTitle: peptide-in-groove interactions link target proteins to the2 b-propeller of clathrin
26	c3a7pB_		Alignment	not modelled	44.7	17	PDB header: protein transport Chain: B: PDB Molecule: autophagy protein 16; PDBTitle: the crystal structure of saccharomyces cerevisiae atg16
27	d2v8qb1		Alignment	not modelled	43.3	28	Fold: AMPKBI-like Superfamily: AMPKBI-like Family: AMPKBI-like
28	c1xi4D_		Alignment	not modelled	41.4	10	PDB header: endocytosis/exocytosis Chain: D: PDB Molecule: clathrin heavy chain; PDBTitle: clathrin d6 coat

29	c2oajA_	Alignment	not modelled	40.4	11	PDB header: endocytosis/exocytosis Chain: A: PDB Molecule: protein sni1; PDBTitle: crystal structure of sro7 from s. cerevisiae
30	dlq1ha_	Alignment	not modelled	38.6	22	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Transcription factor E/Ile-alpha, N-terminal domain
31	clq1hA_	Alignment	not modelled	38.6	22	PDB header: transcription Chain: A: PDB Molecule: transcription factor e; PDBTitle: an extended winged helix domain in general transcription2 factor e/ile alpha
32	dliwpa_	Alignment	not modelled	37.4	20	Fold: TIM beta/alpha-barrel Superfamily: Cobalamin (vitamin B12)-dependent enzymes Family: Diol dehydratase, alpha subunit
33	dlivsa1	Alignment	not modelled	34.4	23	Fold: Long alpha-hairpin Superfamily: tRNA-binding arm Family: Valyl-tRNA synthetase (ValRS) C-terminal domain
34	clbpoA_	Alignment	not modelled	33.6	10	PDB header: membrane protein Chain: A: PDB Molecule: protein (clathrin); PDBTitle: clathrin heavy-chain terminal domain and linker
35	c3gndC_	Alignment	not modelled	33.0	15	PDB header: lyase Chain: C: PDB Molecule: aldolase lsrf; PDBTitle: crystal structure of e. coli lsrf in complex with ribulose-5-phosphate
36	clu0iA_	Alignment	not modelled	33.0	33	PDB header: de novo protein Chain: A: PDB Molecule: iaal-e3; PDBTitle: iaal-e3/k3 heterodimer
37	c2q6tB_	Alignment	not modelled	32.5	20	PDB header: hydrolase Chain: B: PDB Molecule: dnab replication fork helicase; PDBTitle: crystal structure of the thermus aquaticus dnab monomer
38	d2qrdb1	Alignment	not modelled	32.4	27	Fold: AMPKBI-like Superfamily: AMPKBI-like Family: AMPKBI-like
39	c2vyeA_	Alignment	not modelled	31.9	21	PDB header: hydrolase Chain: A: PDB Molecule: replicative dna helicase; PDBTitle: crystal structure of the dna-ssdna complex
40	d2c6ya1	Alignment	not modelled	28.8	23	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
41	clik9B_	Alignment	not modelled	28.6	12	PDB header: gene regulation/ligase Chain: B: PDB Molecule: dna repair protein xrcc4; PDBTitle: crystal structure of a xrcc4-dna ligase iv complex
42	c2pqaB_	Alignment	not modelled	28.4	33	PDB header: replication Chain: B: PDB Molecule: replication protein a 14 kda subunit; PDBTitle: crystal structure of full-length human rpa 14/32 heterodimer
43	c3ushB_	Alignment	not modelled	25.9	30	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the q2s0r5 protein from salinibacter ruber,2 northeast structural genomics consortium target srr207
44	dlji6a1	Alignment	not modelled	25.7	21	Fold: Galactose-binding domain-like Superfamily: Galactose-binding domain-like Family: delta-Endotoxin, C-terminal domain
45	dlb4ua_	Alignment	not modelled	25.6	18	Fold: LigA subunit of an aromatic-ring-opening dioxygenase LigAB Superfamily: LigA subunit of an aromatic-ring-opening dioxygenase LigAB Family: LigA subunit of an aromatic-ring-opening dioxygenase LigAB
46	d2ajfa1	Alignment	not modelled	25.6	18	Fold: Zincin-like Superfamily: Metalloproteases ("zincins"), catalytic domain Family: Neurolysin-like
47	dlA6qa1	Alignment	not modelled	25.2	21	Fold: Another 3-helical bundle Superfamily: Protein serine/threonine phosphatase 2C, C-terminal domain Family: Protein serine/threonine phosphatase 2C, C-terminal domain
48	c2zezC_	Alignment	not modelled	25.1	35	PDB header: hydrolase Chain: C: PDB Molecule: s-layer associated multidomain endoglucanase; PDBTitle: family 16 carbohydrate binding module-2
49	d2pi2e1	Alignment	not modelled	25.0	33	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
50	cldeqF_	Alignment	not modelled	24.1	16	PDB header: PDB COMPND:
51	dlutca2	Alignment	not modelled	23.5	10	Fold: 7-bladed beta-propeller Superfamily: Clathrin heavy-chain terminal domain Family: Clathrin heavy-chain terminal domain
52	dlwi9a_	Alignment	not modelled	23.1	15	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: PCI domain (PINT motif)
53	cln73C_	Alignment	not modelled	22.9	10	PDB header: blood clotting Chain: C: PDB Molecule: fibrin gamma chain; PDBTitle: fibrin d-dimer, lamprey complexed with the peptide ligand: gly-his-2 arg-pro-amide
54	c3dm0A_	Alignment	not modelled	22.1	13	PDB header: sugar binding protein,signaling protein Chain: A: PDB Molecule: maltose-binding periplasmic protein fused with PDBTitle: maltose binding protein fusion with rack1 from a. thaliana
						PDB header: signaling protein

55	c3afcB	Alignment	not modelled	21.9	13	Chain: B: PDB Molecule: semaphorin-6a; PDBTitle: mouse semaphorin 6a extracellular domain
56	c3lssA	Alignment	not modelled	21.9	13	PDB header: ligase Chain: A: PDB Molecule: seryl-trna synthetase; PDBTitle: trypanosoma brucei seryl-trna synthetase in complex with atp
57	c3icgD	Alignment	not modelled	21.3	17	PDB header: hydrolase Chain: D: PDB Molecule: endoglucanase d; PDBTitle: crystal structure of the catalytic and carbohydrate binding domain of2 endoglucanase d from clostridium cellulovorans
58	d1a06a	Alignment	not modelled	21.2	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
59	c3a7mA	Alignment	not modelled	20.6	20	PDB header: gene regulation, chaperone Chain: A: PDB Molecule: flagellar protein flit; PDBTitle: structure of flit, the flagellar type iii chaperone for flid
60	c2hpcF	Alignment	not modelled	20.2	19	PDB header: blood clotting Chain: F: PDB Molecule: fibrinogen, gamma polypeptide; PDBTitle: crystal structure of fragment d from human fibrinogen complexed with2 gly-pro-arg-pro-amide.
61	c2r60A	Alignment	not modelled	20.1	20	PDB header: transferase Chain: A: PDB Molecule: glycosyl transferase, group 1; PDBTitle: structure of apo sucrose phosphate synthase (sps) of2 halothermothrix orenii
62	c2xzfA	Alignment	not modelled	20.1	10	PDB header: cell adhesion Chain: A: PDB Molecule: immunoglobulin-binding protein eibd; PDBTitle: escherichia coli immunoglobulin-binding protein eibd 391-438 fused2 to gcn4 adaptors
63	c2jimH	Alignment	not modelled	19.9	26	PDB header: transferase Chain: H: PDB Molecule: glycosyl transferase, group 1 family protein; PDBTitle: crystal structure of a family gt4 glycosyltransferase from2 bacillus anthracis orf ba1558.
64	d1k32a3	Alignment	not modelled	19.8	9	Fold: 7-bladed beta-propeller Superfamily: Tricorn protease domain 2 Family: Tricorn protease domain 2
65	c2dfdD	Alignment	not modelled	19.6	18	PDB header: oxidoreductase Chain: D: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of human malate dehydrogenase type 2
66	d1n0ua3	Alignment	not modelled	19.4	26	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: Translational machinery components
67	c3al8B	Alignment	not modelled	19.3	14	PDB header: signaling protein Chain: B: PDB Molecule: plexin-a2; PDBTitle: plexin a2 / semaphorin 6a complex
68	d2a84a1	Alignment	not modelled	19.3	24	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Pantothenate synthetase (Pantoate-beta-alanine ligase, PanC)
69	c1xp4C	Alignment	not modelled	19.0	12	PDB header: hydrolase Chain: C: PDB Molecule: d-alanyl-d-alanine carboxypeptidase; PDBTitle: crystal structure of a peptidoglycan synthesis regulatory2 factor (pbp3) from streptococcus pneumoniae
70	c2jesG	Alignment	not modelled	18.9	10	PDB header: viral protein Chain: G: PDB Molecule: portal protein; PDBTitle: portal protein from bacteriophage spp1
71	c2pwzG	Alignment	not modelled	18.6	15	PDB header: oxidoreductase Chain: G: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of the apo form of e.coli malate dehydrogenase
72	c1tvfA	Alignment	not modelled	18.2	14	PDB header: penicillin binding Chain: A: PDB Molecule: penicillin binding protein 4; PDBTitle: crystal structure of penicillin-binding protein 4 (pbp4)2 from staphylococcus aureus
73	d1mld2	Alignment	not modelled	17.9	18	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
74	c3dzcA	Alignment	not modelled	17.8	18	PDB header: isomerase Chain: A: PDB Molecule: udp-n-acetylglucosamine 2-epimerase; PDBTitle: 2.35 angstrom resolution structure of wecb (vc0917), a udp-n-2 acetylglucosamine 2-epimerase from vibrio cholerae.
75	d2dloa1	Alignment	not modelled	17.7	71	Fold: Glucocorticoid receptor-like (DNA-binding domain) Superfamily: Glucocorticoid receptor-like (DNA-binding domain) Family: LIM domain
76	d1xata	Alignment	not modelled	16.7	9	Fold: Single-stranded left-handed beta-helix Superfamily: Trimeric LpxA-like enzymes Family: Galactoside acetyltransferase-like
77	d1egwa	Alignment	not modelled	16.4	8	Fold: SRF-like Superfamily: SRF-like Family: SRF-like
78	d1qpoa1	Alignment	not modelled	16.2	20	Fold: TIM beta/alpha-barrel Superfamily: Nicotinate/Quinolinate PRTase C-terminal domain-like Family: NadC C-terminal domain-like
79	c2paxA	Alignment	not modelled	16.1	21	PDB header: transferase Chain: A: PDB Molecule: poly(adp-ribose) polymerase; PDBTitle: the catalytic fragment of poly(adp-ribose) polymerase2 complexed with 4-amino-1,8-naphthalimide
80	d1flca2	Alignment	not modelled	16.1	28	Fold: Flavodoxin-like Superfamily: SGNH hydrolase Family: Esterase domain of haemagglutinin-esterase-fusion glycoprotein HEF1
						PDB header: hydrolase Chain: B: PDB Molecule: probable manganase-dependent

81	c3l31B_	Alignment	not modelled	16.1	17	inorganic PDBTitle: crystal structure of the cbs and drtg domains of the2 regulatory region of clostridium perfringens3 pyrophosphatase complexed with the inhibitor, amp
82	c1mlaA_	Alignment	not modelled	16.0	18	PDB header: oxidoreductase(nad(a)-choh(d)) Chain: A: PDB Molecule: malate dehydrogenase; PDBTitle: refined structure of mitochondrial malate dehydrogenase2 from porcine heart and the consensus structure for3 dicarboxylic acid oxidoreductases
83	d2g0da1	Alignment	not modelled	15.9	14	Fold: alpha/alpha toroid Superfamily: LanC-like Family: LanC-like
84	d1j36a_	Alignment	not modelled	15.9	14	Fold: Zincin-like Superfamily: Metalloproteases ("zincins"), catalytic domain Family: Neurolysin-like
85	c3a19B_	Alignment	not modelled	15.7	12	PDB header: signaling protein Chain: B: PDB Molecule: plexin-a2; PDBTitle: mouse plexin a2 extracellular domain
86	c3idwA_	Alignment	not modelled	15.6	13	PDB header: endocytosis Chain: A: PDB Molecule: actin cytoskeleton-regulatory complex protein sla1; PDBTitle: crystal structure of sla1 homology domain 2
87	c1dpuA_	Alignment	not modelled	15.1	12	PDB header: dna binding protein Chain: A: PDB Molecule: replication protein a (rpa32) c-terminal domain; PDBTitle: solution structure of the c-terminal domain of human rpa322 complexed with ung2(73-88)
88	d1dpua_	Alignment	not modelled	15.1	12	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: C-terminal domain of RPA32
89	c3oktA_	Alignment	not modelled	15.0	12	PDB header: signaling protein Chain: A: PDB Molecule: plexin-a2; PDBTitle: mouse plexin a2, extracellular domains 1-4
90	d1rp3a2	Alignment	not modelled	14.5	9	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
91	d1y0ua_	Alignment	not modelled	14.4	11	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: ArsR-like transcriptional regulators
92	c3okyA_	Alignment	not modelled	14.4	12	PDB header: signaling protein Chain: A: PDB Molecule: plexin-a2; PDBTitle: plexin a2 in complex with semaphorin 6a
93	c1flcA_	Alignment	not modelled	14.3	28	PDB header: hydrolase Chain: A: PDB Molecule: haemagglutinin-esterase-fusion glycoprotein; PDBTitle: x-ray structure of the haemagglutinin-esterase-fusion glycoprotein of2 influenza c virus
94	c2gejA_	Alignment	not modelled	14.3	24	PDB header: transferase Chain: A: PDB Molecule: phosphatidylinositol mannosyltransferase (pima); PDBTitle: crystal structure of phosphatidylinositol mannosyltransferase (pima)2 from mycobacterium smegmatis in complex with gdp-man
95	d1ku7a_	Alignment	not modelled	14.2	11	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
96	c3c4vB_	Alignment	not modelled	14.0	32	PDB header: transferase Chain: B: PDB Molecule: predicted glycosyltransferases; PDBTitle: structure of the retaining glycosyltransferase msha:the2 first step in mycothiol biosynthesis. organism:3 corynebacterium glutamicum : complex with udp and 1l-ins-1-4 p.
97	c2p9mD_	Alignment	not modelled	14.0	13	PDB header: structural genomics, unknown function Chain: D: PDB Molecule: hypothetical protein mj0922; PDBTitle: crystal structure of conserved hypothetical protein mj0922 from2 methanocaldococcus jannaschii dsm 2661
98	d1mi8a_	Alignment	not modelled	13.8	18	Fold: Hedgehog/intein (Hint) domain Superfamily: Hedgehog/intein (Hint) domain Family: Intein (protein splicing domain)
99	d1dlca1	Alignment	not modelled	13.7	21	Fold: Galactose-binding domain-like Superfamily: Galactose-binding domain-like Family: delta-Endotoxin, C-terminal domain