

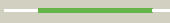
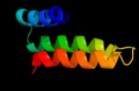











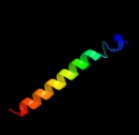

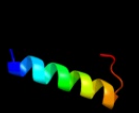

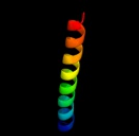


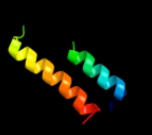


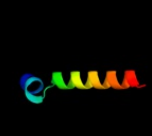
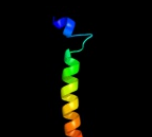


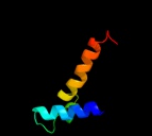


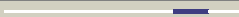





#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1ciiA_	 Alignment		66.2	14	PDB header: transmembrane protein Chain: A: PDB Molecule: colicin ia; PDBTitle: colicin ia
2	c3fewX_	 Alignment		59.7	17	PDB header: immune system Chain: X: PDB Molecule: colicin s4; PDBTitle: structure and function of colicin s4, a colicin with a2 duplicated receptor binding domain
3	dlyqga1	 Alignment		51.0	12	Fold: 6-phosphogluconate dehydrogenase C-terminal domain-like Superfamily: 6-phosphogluconate dehydrogenase C-terminal domain-like Family: ProC C-terminal domain-like
4	d1cola_	 Alignment		45.0	17	Fold: Toxins' membrane translocation domains Superfamily: Colicin Family: Colicin
5	d1rh1a2	 Alignment		44.9	10	Fold: Toxins' membrane translocation domains Superfamily: Colicin Family: Colicin
6	c1rh1A_	 Alignment		28.1	10	PDB header: antibiotic Chain: A: PDB Molecule: colicin b; PDBTitle: crystal structure of the cytotoxic bacterial protein2 colicin b at 2.5 a resolution
7	d1uxca_	 Alignment		27.5	18	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: GalR/LacI-like bacterial regulator
8	c2ag8A_	 Alignment		21.6	12	PDB header: oxidoreductase Chain: A: PDB Molecule: pyrroline-5-carboxylate reductase; PDBTitle: nadp complex of pyrroline-5-carboxylate reductase from neisseria2 meningitidis
9	c3mb2J_	 Alignment		20.4	26	PDB header: isomerase Chain: J: PDB Molecule: 4-oxalocrotonate tautomerase family enzyme - beta subunit; PDBTitle: kinetic and structural characterization of a heterohexameric 4-2 oxalocrotonate tautomerase from chloroflexus aurantiacus j-10-fl:3 implications for functional and structural diversity in the 4 tautomerase superfamily
10	c3qwmA_	 Alignment		17.5	20	PDB header: signaling protein Chain: A: PDB Molecule: iq motif and sec7 domain-containing protein 1; PDBTitle: crystal structure of gep100, the plextrin homology domain of iq motif2 and sec7 domain-containing protein 1 isoform a
11	c3m8iA_	 Alignment		16.2	33	PDB header: transcription Chain: A: PDB Molecule: focb protein; PDBTitle: crystal structure of e.coli focb at 1.4 a resolution

12	c1a87A_	Alignment		15.8	25	PDB header: bacteriocin Chain: A: PDB Molecule: colicin n; PDBTitle: colicin n
13	d1a87a_	Alignment		15.8	25	Fold: Toxins' membrane translocation domains Superfamily: Colicin Family: Colicin
14	c3h0dB_	Alignment		14.2	22	PDB header: transcription/dna Chain: B: PDB Molecule: ctr; PDBTitle: crystal structure of ctr in complex with a 26bp dna duplex
15	d2ahra1	Alignment		13.5	21	Fold: 6-phosphogluconate dehydrogenase C-terminal domain-like Superfamily: 6-phosphogluconate dehydrogenase C-terminal domain-like Family: ProC C-terminal domain-like
16	c2izzE_	Alignment		9.7	19	PDB header: oxidoreductase Chain: E: PDB Molecule: pyrroline-5-carboxylate reductase 1; PDBTitle: crystal structure of human pyrroline-5-carboxylate2 reductase
17	c1s7cA_	Alignment		9.4	22	PDB header: structural genomics, oxidoreductase Chain: A: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase a; PDBTitle: crystal structure of mes buffer bound form of glyceraldehyde 3-2 phosphate dehydrogenase from escherichia coli
18	c2i5pO_	Alignment		8.9	11	PDB header: oxidoreductase Chain: O: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase 1; PDBTitle: crystal structure of glyceraldehyde-3-phosphate2 dehydrogenase isoform 1 from k. marxianus
19	c3gtyS_	Alignment		8.9	10	PDB header: chaperone/ribosomal protein Chain: S: PDB Molecule: 30s ribosomal protein s7; PDBTitle: promiscuous substrate recognition in folding and assembly activities2 of the trigger factor chaperone
20	c3h9eA_	Alignment		8.4	17	PDB header: oxidoreductase Chain: A: PDB Molecule: PDBTitle: crystal structure of human sperm-specific glyceraldehyde-3-phosphate2 dehydrogenase (gapds) complex with nad and phosphate
21	c1hdgO_	Alignment	not modelled	8.3	11	PDB header: oxidoreductase (aldehy(d)-nad(a)) Chain: O: PDB Molecule: holo-d-glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: the crystal structure of holo-glyceraldehyde-3-phosphate dehydrogenase2 from the hyperthermophilic bacterium thermotoga maritima at 2.53 angstroms resolution
22	c3ci9B_	Alignment	not modelled	8.3	21	PDB header: transcription Chain: B: PDB Molecule: heat shock factor-binding protein 1; PDBTitle: crystal structure of the human hsbp1
23	c3b20R_	Alignment	not modelled	8.2	9	PDB header: oxidoreductase Chain: R: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase (nadp+); PDBTitle: crystal structure analysis of dehydrogenase complexed with nad
24	c3hq4R_	Alignment	not modelled	8.1	11	PDB header: oxidoreductase Chain: R: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase 1; PDBTitle: crystal structure of c151s mutant of glyceraldehyde-3-phosphate2 dehydrogenase 1 (gapdh1) complexed with nad from staphylococcus3 aureus mrsa252 at 2.2 angstrom resolution
25	c3hjaB_	Alignment	not modelled	8.0	11	PDB header: oxidoreductase Chain: B: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: crystal structure of glyceraldehyde-3-phosphate2 dehydrogenase from borrelia burgdorferi
26	c1ihxD_	Alignment	not modelled	7.9	17	PDB header: oxidoreductase Chain: D: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase; PDBTitle: crystal structure of two d-glyceraldehyde-3-phosphate2 dehydrogenase complexes: a case of asymmetry
						PDB header: oxidoreductase Chain: O: PDB Molecule: glyceraldehyde 3-phosphate

27	c2d2iO_	Alignment	not modelled	7.9	11	dehydrogenase; PDBTitle: crystal structure of nadp-dependent glyceraldehyde-3-2 phosphate dehydrogenase from synechococcus sp. complexed3 with nadp+
28	d1k6ka_	Alignment	not modelled	7.6	16	Fold: Double Clp-N motif Superfamily: Double Clp-N motif Family: Double Clp-N motif
29	c2x5kO_	Alignment	not modelled	7.4	6	PDB header: oxidoreductase Chain: O: PDB Molecule: d-erythrose-4-phosphate dehydrogenase; PDBTitle: structure of an active site mutant of the d-erythrose-4-phosphate2 dehydrogenase from e. coli
30	c1qvrB_	Alignment	not modelled	7.4	18	PDB header: chaperone Chain: B: PDB Molecule: clpb protein; PDBTitle: crystal structure analysis of clpb
31	c2ep7B_	Alignment	not modelled	7.2	17	PDB header: oxidoreductase Chain: B: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: structural study of project id aq_1065 from aquifex aeolicus vf5
32	d1u94a2	Alignment	not modelled	7.2	19	Fold: Anti-LPS factor/recA domain Superfamily: RecA protein, C-terminal domain Family: RecA protein, C-terminal domain
33	d2bida_	Alignment	not modelled	7.1	9	Fold: Toxins' membrane translocation domains Superfamily: Bcl-2 inhibitors of programmed cell death Family: Bcl-2 inhibitors of programmed cell death
34	c2pkrl_	Alignment	not modelled	7.1	11	PDB header: oxidoreductase Chain: I: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase aor; PDBTitle: crystal structure of (a+cte)4 chimeric form of2 photosynthetic glyceraldehyde-3-phosphate dehydrogenase,3 complexed with nadp
35	c3docD_	Alignment	not modelled	7.0	11	PDB header: oxidoreductase Chain: D: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase; PDBTitle: crystal structure of trka glyceraldehyde-3-phosphate2 dehydrogenase from brucella melitensis
36	c1rm4O_	Alignment	not modelled	6.9	11	PDB header: oxidoreductase Chain: O: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase a; PDBTitle: crystal structure of recombinant photosynthetic glyceraldehyde-3-2 phosphate dehydrogenase a4 isoform, complexed with nadp
37	c2fs1A_	Alignment	not modelled	6.9	15	PDB header: protein binding Chain: A: PDB Molecule: psd-1; PDBTitle: solution structure of psd-1
38	d1xp8a2	Alignment	not modelled	6.9	20	Fold: Anti-LPS factor/recA domain Superfamily: RecA protein, C-terminal domain Family: RecA protein, C-terminal domain
39	c2b4rQ_	Alignment	not modelled	6.8	11	PDB header: oxidoreductase Chain: Q: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: crystal structure of glyceraldehyde-3-phosphate dehydrogenase from2 plasmodium falciparum at 2.25 angstrom resolution reveals intriguing3 extra electron density in the active site
40	c1i32D_	Alignment	not modelled	6.8	13	PDB header: oxidoreductase Chain: D: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase; PDBTitle: leishmania mexicana glyceraldehyde-3-phosphate2 dehydrogenase in complex with inhibitors
41	c1cerC_	Alignment	not modelled	6.6	6	PDB header: oxidoreductase (aldehyde(d)-nad(a)) Chain: C: PDB Molecule: holo-d-glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: determinants of enzyme thermostability observed in the2 molecular structure of thermus aquaticus d-glyceraldehyde-3 3-phosphate dehydrogenase at 2.5 angstroms resolution
42	d1mo6a2	Alignment	not modelled	6.5	16	Fold: Anti-LPS factor/recA domain Superfamily: RecA protein, C-terminal domain Family: RecA protein, C-terminal domain
43	d1ubea2	Alignment	not modelled	6.4	16	Fold: Anti-LPS factor/recA domain Superfamily: RecA protein, C-terminal domain Family: RecA protein, C-terminal domain
44	c3cieC_	Alignment	not modelled	6.3	17	PDB header: oxidoreductase Chain: C: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: crystal structure of glyceraldehyde 3-phosphate2 dehydrogenase from cryptosporidium parvum
45	c1obfO_	Alignment	not modelled	6.2	11	PDB header: glycolytic pathway Chain: O: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase; PDBTitle: the crystal structure of glyceraldehyde 3-phosphate2 dehydrogenase from alcaligenes xylooxidans at 1.73 resolution.
46	d2c42a4	Alignment	not modelled	6.1	18	Fold: Pyruvate-ferredoxin oxidoreductase, PFOR, domain III Superfamily: Pyruvate-ferredoxin oxidoreductase, PFOR, domain III Family: Pyruvate-ferredoxin oxidoreductase, PFOR, domain III
47	d1gjsa_	Alignment	not modelled	6.1	23	Fold: immunoglobulin/albumin-binding domain-like Superfamily: Bacterial immunoglobulin/albumin-binding domains Family: GA module, an albumin-binding domain
48	c2i88A_	Alignment	not modelled	6.1	15	PDB header: membrane protein Chain: A: PDB Molecule: colicin-e1; PDBTitle: crystal structure of the channel-forming domain of colicin2 e1
49	d1v9va1	Alignment	not modelled	6.1	17	Fold: Bromodomain-like Superfamily: MAST3 pre-PK domain-like Family: MAST3 pre-PK domain-like

50	c3sthA_	 Alignment	not modelled	5.6	17	PDB header: oxidoreductase Chain: A: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: crystal structure of glyceraldehyde-3-phosphate dehydrogenase from2 toxoplasma gondii
51	c2y69Z_	 Alignment	not modelled	5.5	17	PDB header: electron transport Chain: Z: PDB Molecule: cytochrome c oxidase polypeptide 8h; PDBTitle: bovine heart cytochrome c oxidase re-refined with molecular2 oxygen
52	c1g92A_	 Alignment	not modelled	5.4	67	PDB header: toxin Chain: A: PDB Molecule: poneratoxin; PDBTitle: solution structure of poneratoxin
53	c2po3B_	 Alignment	not modelled	5.3	22	PDB header: transferase Chain: B: PDB Molecule: 4-dehydrase; PDBTitle: crystal structure analysis of desi in the presence of its2 tdp-sugar product
54	c2gd1P_	 Alignment	not modelled	5.1	11	PDB header: oxidoreductase(aldehyde(d)-nad(a)) Chain: P: PDB Molecule: apo-d-glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: coenzyme-induced conformational changes in glyceraldehyde-3-2 phosphate dehydrogenase from bacillus stearothermophilus
55	dlhula_	 Alignment	not modelled	5.1	17	Fold: 4-helical cytokines Superfamily: 4-helical cytokines Family: Short-chain cytokines