






























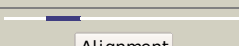
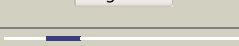


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1r8ga_	 Alignment		100.0	97	Fold: Glutamine synthetase/guanido kinase Superfamily: Glutamine synthetase/guanido kinase Family: Glutamate-cysteine ligase family 2 (GCS2)
2	d1tt4a_	 Alignment		100.0	84	Fold: Glutamine synthetase/guanido kinase Superfamily: Glutamine synthetase/guanido kinase Family: Glutamate-cysteine ligase family 2 (GCS2)
3	c1tt4B_	 Alignment		100.0	84	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: putative cytoplasmic protein; PDBTitle: structure of np459575, a predicted glutathione synthase from <i>Salmonella typhimurium</i>
4	c2gwcE_	 Alignment		100.0	15	PDB header: ligase Chain: E: PDB Molecule: glutamate cysteine ligase; PDBTitle: crystal structure of plant glutamate cysteine ligase in complex with a2 transition state analogue
5	c3nztA_	 Alignment		100.0	18	PDB header: ligase Chain: A: PDB Molecule: glutamate--cysteine ligase; PDBTitle: 2.0 angstrom crystal structure of glutamate--cysteine ligase (gsha)2 from <i>Francisella tularensis</i> in complex with amp
6	d2d32a1	 Alignment		100.0	17	Fold: Glutamine synthetase/guanido kinase Superfamily: Glutamine synthetase/guanido kinase Family: Glutamate-cysteine ligase
7	c3ln7A_	 Alignment		100.0	17	PDB header: ligase Chain: A: PDB Molecule: glutathione biosynthesis bifunctional protein gshab; PDBTitle: crystal structure of a bifunctional glutathione synthetase from <i>Pasteurella multocida</i>
8	c3ln6A_	 Alignment		100.0	16	PDB header: ligase Chain: A: PDB Molecule: glutathione biosynthesis bifunctional protein gshab; PDBTitle: crystal structure of a bifunctional glutathione synthetase from <i>Streptococcus agalactiae</i>
9	c3lvwA_	 Alignment		99.8	21	PDB header: ligase Chain: A: PDB Molecule: glutamate--cysteine ligase; PDBTitle: glutathione-inhibited scgcl
10	d1f52a2	 Alignment		99.2	18	Fold: Glutamine synthetase/guanido kinase Superfamily: Glutamine synthetase/guanido kinase Family: Glutamine synthetase catalytic domain
11	d2bvca2	 Alignment		99.1	18	Fold: Glutamine synthetase/guanido kinase Superfamily: Glutamine synthetase/guanido kinase Family: Glutamine synthetase catalytic domain

12	c1fpyE_	Alignment		99.1	19	PDB header: ligase Chain: E: PDB Molecule: glutamine synthetase; PDBTitle: crystal structure of glutamine synthetase from salmonella2 typhimurium with inhibitor phosphinothricin
13	c3ng0A_	Alignment		99.1	18	PDB header: ligase Chain: A: PDB Molecule: glutamine synthetase; PDBTitle: crystal structure of glutamine synthetase from synechocystis sp. pcc2 6803
14	c1htoB_	Alignment		99.0	19	PDB header: ligase Chain: B: PDB Molecule: glutamine synthetase; PDBTitle: crystallographic structure of a relaxed glutamine synthetase from2 mycobacterium tuberculosis
15	c2qc8J_	Alignment		98.8	14	PDB header: ligase Chain: J: PDB Molecule: glutamine synthetase; PDBTitle: crystal structure of human glutamine synthetase in complex with adp2 and methionine sulfoximine phosphate
16	c3o6xC_	Alignment		98.7	20	PDB header: ligase Chain: C: PDB Molecule: glutamine synthetase; PDBTitle: crystal structure of the type iii glutamine synthetase from2 bacteroides fragilis
17	c2d3aJ_	Alignment		98.6	15	PDB header: ligase Chain: J: PDB Molecule: glutamine synthetase; PDBTitle: crystal structure of the maize glutamine synthetase2 complexed with adp and methionine sulfoximine phosphate
18	c3fkyD_	Alignment		98.5	21	PDB header: ligase Chain: D: PDB Molecule: glutamine synthetase; PDBTitle: crystal structure of the glutamine synthetase gln1deltan182 from the yeast saccharomyces cerevisiae
19	c2j9iL_	Alignment		98.4	13	PDB header: ligase Chain: L: PDB Molecule: glutamate-ammonia ligase domain-containing PDBTitle: lengsin is a survivor of an ancient family of class i2 glutamine synthetases in eukaryotes that has undergone3 evolutionary re-engineering for a tissue-specific role4 in the vertebrate eye lens.
20	c3oqhB_	Alignment		44.1	14	PDB header: ligase Chain: B: PDB Molecule: putative uncharacterized protein yvmc; PDBTitle: crystal structure of b. licheniformis cdps yvmc-blic
21	d2qkwa1	Alignment	not modelled	13.1	11	Fold: immunoglobulin/albumin-binding domain-like Superfamily: Avirulence protein AvrPto Family: Avirulence protein AvrPto
22	c2qkWA_	Alignment	not modelled	13.1	11	PDB header: transferase Chain: A: PDB Molecule: avirulence protein; PDBTitle: structural basis for activation of plant immunity by2 bacterial effector protein avrpto
23	d1dpsa_	Alignment	not modelled	12.1	5	Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
24	c2chpC_	Alignment	not modelled	11.1	7	PDB header: dna-binding protein Chain: C: PDB Molecule: metalloregulation dna-binding stress protein; PDBTitle: crystal structure of the dodecameric ferritin mrga from2 b.subtilis 168
25	c3oqvA_	Alignment	not modelled	10.9	13	PDB header: protein binding Chain: A: PDB Molecule: albc; PDBTitle: albc, a cyclodipeptide synthase from streptomyces noursei
26	d1p94a_	Alignment	not modelled	10.8	19	Fold: Ribbon-helix-helix Superfamily: Ribbon-helix-helix Family: CopG-like
27	c2xgwA_	Alignment	not modelled	10.5	5	PDB header: metal binding protein Chain: A: PDB Molecule: peroxide resistance protein; PDBTitle: zinc-bound crystal structure of streptococcus pyogenes dpr
28	d2eg6a1	Alignment	not modelled	10.4	21	Fold: TIM beta/alpha-barrel Superfamily: Metallo-dependent hydrolases Family: Dihydroorotase

29	c2c6rA		Alignment	not modelled	10.2	7	PDB header: dna-binding protein Chain: A: PDB Molecule: dna-binding stress response protein, dps family; PDBTitle: fe-soaked crystal structure of the dps92 from deinococcus2 radiodurans
30	c2vxxB		Alignment	not modelled	9.0	15	PDB header: dna-binding protein Chain: B: PDB Molecule: starvation induced dna binding protein; PDBTitle: x-ray structure of dpsa from thermosynechococcus elongatus
31	c1g5jB		Alignment	not modelled	9.0	55	PDB header: apoptosis Chain: B: PDB Molecule: bad protein; PDBTitle: complex of bcl-xl with peptide from bad
32	c3iq1A		Alignment	not modelled	8.4	7	PDB header: metal transport Chain: A: PDB Molecule: dps family protein; PDBTitle: crystal structure of dps protein from vibrio cholerae o1, a member of2 a broad superfamily of ferritin-like diiron-carboxylate proteins
33	d1tjoa		Alignment	not modelled	8.2	7	Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
34	d1ji4a		Alignment	not modelled	8.2	15	Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
35	d2d6fc3		Alignment	not modelled	7.5	19	Fold: Glutamine synthetase/guanido kinase Superfamily: Glutamine synthetase/guanido kinase Family: GatB/GatE catalytic domain-like
36	c2yjkF		Alignment	not modelled	7.4	7	PDB header: metal-binding protein Chain: F: PDB Molecule: afp; PDBTitle: structure of dps from microbacterium arborescens in the2 high iron form
37	c2krkA		Alignment	not modelled	7.2	16	PDB header: protein binding Chain: A: PDB Molecule: 26s protease regulatory subunit 8; PDBTitle: solution nmr structure of 26s protease regulatory subunit 82 from h.sapiens, northeast structural genomics consortium3 target target hr3102a
38	c2wlaA		Alignment	not modelled	6.9	5	PDB header: oxidoreductase Chain: A: PDB Molecule: dps-like peroxide resistance protein; PDBTitle: streptococcus pyogenes dpr
39	c2f7nA		Alignment	not modelled	6.9	7	PDB header: dna binding protein Chain: A: PDB Molecule: dna-binding stress response protein, dps family; PDBTitle: structure of d. radiodurans dps-1
40	d2yw6a1		Alignment	not modelled	6.6	12	Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
41	c2c41K		Alignment	not modelled	6.5	7	PDB header: iron-binding/oxidation protein Chain: K: PDB Molecule: dps family dna-binding stress response protein; PDBTitle: x-ray structure of dps from thermosynechococcus elongatus
42	c3rj1G		Alignment	not modelled	6.5	38	PDB header: transcription Chain: G: PDB Molecule: mediator of rna polymerase ii transcription subunit 6; PDBTitle: architecture of the mediator head module
43	d1n1qa		Alignment	not modelled	6.3	7	Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
44	c2d5kC		Alignment	not modelled	6.3	12	PDB header: metal binding protein Chain: C: PDB Molecule: dps family protein; PDBTitle: crystal structure of dps from staphylococcus aureus
45	d1o9ra		Alignment	not modelled	6.2	5	Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
46	c2bwzB		Alignment	not modelled	6.0	56	PDB header: transcription Chain: B: PDB Molecule: bcl2-antagonist of cell death; PDBTitle: the crystal structure of bcl-xl in complex with full-length2 bad
47	c2z90D		Alignment	not modelled	5.9	5	PDB header: dna binding protein Chain: D: PDB Molecule: starvation-inducible dna-binding protein or fine PDBTitle: crystal structure of the second dps from mycobacterium2 smegmatis
48	d1umna		Alignment	not modelled	5.9	10	Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
49	d1jiga		Alignment	not modelled	5.9	7	Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
50	d2fjca1		Alignment	not modelled	5.9	10	Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
51	c3hfhB		Alignment	not modelled	5.9	23	PDB header: transcription regulator Chain: B: PDB Molecule: transcription elongation regulator 1; PDBTitle: crystal structure of tandem ff domains
52	d1ji5a		Alignment	not modelled	5.8	10	Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
53	c2q25C		Alignment	not modelled	5.7	12	PDB header: virus,hydrolase/rna Chain: C: PDB Molecule: protein alpha; PDBTitle: flock house virus coat protein d75n mutant
54	d2bk6a1		Alignment	not modelled	5.7	7	Fold: Ferritin-like Superfamily: Ferritin-like

					Family: Ferritin
55	c3kwoA	Alignment	not modelled	5.7	2 PDB header: oxidoreductase Chain: A: PDB Molecule: putative bacterioferritin; PDBTitle: crystal structure of putative bacterioferritin from2 campylobacter jejuni
56	d1vela	Alignment	not modelled	5.5	12 Fold: Ferritin-like Superfamily: Ferritin-like Family: Ferritin
57	d1j5ya2	Alignment	not modelled	5.3	12 Fold: HPr-like Superfamily: Putative transcriptional regulator TM1602, C-terminal domain Family: Putative transcriptional regulator TM1602, C-terminal domain
58	d2eiaa1	Alignment	not modelled	5.1	17 Fold: Acyl carrier protein-like Superfamily: Retrovirus capsid dimerization domain-like Family: Retrovirus capsid protein C-terminal domain
59	c3jzeC	Alignment	not modelled	5.0	21 PDB header: hydrolase Chain: C: PDB Molecule: dihydroorotase; PDBTitle: 1.8 angstrom resolution crystal structure of dihydroorotase (pyrc)2 from salmonella enterica subsp. enterica serovar typhimurium str. lt2