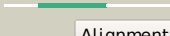
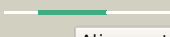
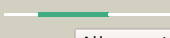
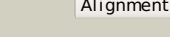
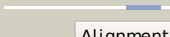
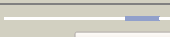


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	dlnxua_	 Alignment		100.0	95	Fold: L-sulfolactate dehydrogenase-like Superfamily: L-sulfolactate dehydrogenase-like Family: L-sulfolactate dehydrogenase-like
2	clvbiA_	 Alignment		100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: type 2 malate/lactate dehydrogenase; PDBTitle: crystal structure of type 2 malate/lactate dehydrogenase from thermus2 thermophilus hb8
3	dlxrha_	 Alignment		100.0	22	Fold: L-sulfolactate dehydrogenase-like Superfamily: L-sulfolactate dehydrogenase-like Family: L-sulfolactate dehydrogenase-like
4	c3i0pA_	 Alignment		100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of malate dehydrogenase from entamoeba histolytica
5	c1z2iA_	 Alignment		100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of agrobacterium tumefaciens malate2 dehydrogenase, new york structural genomics consortium
6	dlrfma_	 Alignment		100.0	27	Fold: L-sulfolactate dehydrogenase-like Superfamily: L-sulfolactate dehydrogenase-like Family: L-sulfolactate dehydrogenase-like
7	c1wtjB_	 Alignment		100.0	26	PDB header: oxidoreductase Chain: B: PDB Molecule: ureidoglycolate dehydrogenase; PDBTitle: crystal structure of delta1-piperidine-2-carboxylate2 reductase from pseudomonas syringae pvar.tomato
8	c2g8yB_	 Alignment		100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: malate/l-lactate dehydrogenases; PDBTitle: the structure of a putative malate/lactate dehydrogenase from e. coli.
9	c1v9nA_	 Alignment		100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: malate dehydrogenase; PDBTitle: structure of malate dehydrogenase from pyrococcus horikoshii ot3
10	c3uoeB_	 Alignment		100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: dehydrogenase; PDBTitle: the crystal structure of dehydrogenase from sinorhizobium meliloti
11	c3eefA_	 Alignment		49.9	16	PDB header: hydrolase Chain: A: PDB Molecule: n-carbamoylsarcosine amidase related protein; PDBTitle: crystal structure of n-carbamoylsarcosine amidase from thermoplasma2 acidophilum

12	c2qiwa_	 Alignment		48.9	13	PDB header: transferase Chain: A: PDB Molecule: pep phosphonmutase; PDBTitle: crystal structure of a putative phosphoenolpyruvate phosphonmutase2 (ncgl1015, cgl1060) from corynebacterium glutamicum atcc 13032 at 3.1.80 a resolution
13	c3irva_	 Alignment		46.7	13	PDB header: hydrolase Chain: A: PDB Molecule: cysteine hydrolase; PDBTitle: crystal structure of cysteine hydrolase pspph_2384 from pseudomonas2 syringae pv. phaseolicola 1448a
14	c3kl2K_	 Alignment		46.2	11	PDB header: structural genomics, unknown function Chain: K: PDB Molecule: putative isochorismatase; PDBTitle: crystal structure of a putative isochorismatase from streptomyces2 avermitilis
15	c2ze3A_	 Alignment		42.9	21	PDB header: isomerase Chain: A: PDB Molecule: dfa0005; PDBTitle: crystal structure of dfa0005 complexed with alpha-ketoglutarate: a2 novel member of the icl/pepm superfamily from alkali-tolerant3 deinococcus ficus
16	d1muma_	 Alignment		41.7	11	Fold: TIM beta/alpha-barrel Superfamily: Phosphoenolpyruvate/pyruvate domain Family: Phosphoenolpyruvate mutase/isocitrate lyase-like
17	c2hjpA_	 Alignment		38.3	8	PDB header: hydrolase Chain: A: PDB Molecule: phosphonopyruvate hydrolase; PDBTitle: crystal structure of phosphonopyruvate hydrolase complex with2 phosphonopyruvate and mg++
18	d1nbaa_	 Alignment		37.7	20	Fold: Isochorismatase-like hydrolases Superfamily: Isochorismatase-like hydrolases Family: Isochorismatase-like hydrolases
19	d2ebfx2	 Alignment		37.3	25	Fold: EreA/ChaN-like Superfamily: EreA/ChaN-like Family: PMT domain-like
20	c3b8iF_	 Alignment		37.3	14	PDB header: lyase Chain: F: PDB Molecule: pa4872 oxaloacetate decarboxylase; PDBTitle: crystal structure of oxaloacetate decarboxylase from pseudomonas2 aeruginosa (pa4872) in complex with oxalate and mg2+.
21	c2b34C_	 Alignment	not modelled	37.3	17	PDB header: hydrolase Chain: C: PDB Molecule: mar1 ribonuclease; PDBTitle: structure of mar1 ribonuclease from caenorhabditis elegans
22	d1nf9a_	 Alignment	not modelled	37.2	11	Fold: Isochorismatase-like hydrolases Superfamily: Isochorismatase-like hydrolases Family: Isochorismatase-like hydrolases
23	c3ih1A_	 Alignment	not modelled	36.2	13	PDB header: lyase Chain: A: PDB Molecule: methylisocitrate lyase; PDBTitle: crystal structure of carboxyvinyl-carboxyphosphonate phosphorylmutase2 from bacillus anthracis
24	c3ot4F_	 Alignment	not modelled	35.7	11	PDB header: hydrolase Chain: F: PDB Molecule: putative isochorismatase; PDBTitle: structure and catalytic mechanism of bordetella bronchiseptica nicf
25	c3eool_	 Alignment	not modelled	31.8	13	PDB header: lyase Chain: L: PDB Molecule: methylisocitrate lyase; PDBTitle: 2.9a crystal structure of methyl-isocitrate lyase from2 burkholderia pseudomallei
26	c1e0mA_	 Alignment	not modelled	28.8	21	PDB header: de novo protein Chain: A: PDB Molecule: wwprototype; PDBTitle: prototype ww domain
27	c1yiuA_	 Alignment	not modelled	27.4	29	PDB header: ligase Chain: A: PDB Molecule: itchy e3 ubiquitin protein ligase; PDBTitle: itch e3 ubiquitin ligase ww3 domain
28	c2ysbA_	 Alignment	not modelled	25.9	18	PDB header: protein binding Chain: A: PDB Molecule: salvador homolog 1 protein; PDBTitle: solution structure of the first ww domain from the mouse2 salvador homolog 1 protein (sav1)
29	d1wdjb_	 Alignment	not modelled	25.4	10	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like

						Family: Hypothetical protein TT1808 (TTHA1514)
30	c3mcwA	Alignment	not modelled	25.3	14	PDB header: hydrolase Chain: A: PDB Molecule: putative hydrolase; PDBTitle: crystal structure of an a putative hydrolase of the isochorismatase2 family (cv_1320) from chromobacterium violaceum atcc 12472 at 1.06 a3 resolution
31	c3l4hA	Alignment	not modelled	25.2	17	PDB header: protein binding Chain: A: PDB Molecule: e3 ubiquitin-protein ligase hecw1; PDBTitle: helical box domain and second ww domain of the human e3 ubiquitin-2 protein ligase hecw1
32	c3hb7G	Alignment	not modelled	24.6	16	PDB header: hydrolase Chain: G: PDB Molecule: isochorismatase hydrolase; PDBTitle: the crystal structure of an isochorismatase-like hydrolase from2 alkaliphilus metalliredigens to 2.3a
33	d1wdja	Alignment	not modelled	23.9	10	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like Family: Hypothetical protein TT1808 (TTHA1514)
34	c2px0D	Alignment	not modelled	23.0	10	PDB header: biosynthetic protein Chain: D: PDB Molecule: flagellar biosynthesis protein flhf; PDBTitle: crystal structure of flhf complexed with gmpnp/mg(2+)
35	c2ysdA	Alignment	not modelled	22.9	20	PDB header: protein binding Chain: A: PDB Molecule: membrane-associated guanylate kinase, ww and pdz PDBTitle: solution structure of the first ww domain from the human2 membrane-associated guanylate kinase, ww and pdz domain-3 containing protein 1. magi-1
36	d1f8ab1	Alignment	not modelled	22.8	20	Fold: WW domain-like Superfamily: WW domain Family: WW domain
37	d1yaca	Alignment	not modelled	22.4	15	Fold: Isochorismatase-like hydrolases Superfamily: Isochorismatase-like hydrolases Family: Isochorismatase-like hydrolases
38	c1wr7A	Alignment	not modelled	22.2	20	PDB header: ligase Chain: A: PDB Molecule: nedd4-2; PDBTitle: solution structure of the third ww domain of nedd4-2
39	c2fq1A	Alignment	not modelled	21.6	9	PDB header: hydrolase Chain: A: PDB Molecule: isochorismatase; PDBTitle: crystal structure of the two-domain non-ribosomal peptide synthetase2 entb containing isochorismate lyase and aryl-carrier protein domains
40	d1sgma2	Alignment	not modelled	21.4	25	Fold: Tetracyclin repressor-like, C-terminal domain Superfamily: Tetracyclin repressor-like, C-terminal domain Family: Tetracyclin repressor-like, C-terminal domain
41	c2djyA	Alignment	not modelled	21.4	21	PDB header: ligase/signaling protein Chain: A: PDB Molecule: smad ubiquitination regulatory factor 2; PDBTitle: solution structure of smurf2 ww3 domain-smad7 py peptide2 complex
42	c3ot2A	Alignment	not modelled	21.2	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a putative nuclease belonging to duf8202 (ava_3926) from anabaena variabilis atcc 29413 at 1.96 a resolution
43	c3ot2B	Alignment	not modelled	21.2	10	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a putative nuclease belonging to duf8202 (ava_3926) from anabaena variabilis atcc 29413 at 1.96 a resolution
44	d1t57a	Alignment	not modelled	20.9	16	Fold: Pyruvate kinase C-terminal domain-like Superfamily: PK C-terminal domain-like Family: MTH1675-like
45	c1wr4A	Alignment	not modelled	20.7	29	PDB header: ligase Chain: A: PDB Molecule: ubiquitin-protein ligase nedd4-2; PDBTitle: solution structure of the second ww domain of nedd4-2
46	d1bdga1	Alignment	not modelled	20.5	16	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Hexokinase
47	c2lawA	Alignment	not modelled	20.4	21	PDB header: signaling protein/transcription Chain: A: PDB Molecule: yorkie homolog; PDBTitle: structure of the second ww domain from human yap in complex with a2 human smad1 derived peptide
48	c3oqpA	Alignment	not modelled	20.3	24	PDB header: hydrolase Chain: A: PDB Molecule: putative isochorismatase; PDBTitle: crystal structure of a putative isochorismatase (bx_e_a0706) from2 burkholderia xenovorans lb400 at 1.22 a resolution
49	c1wmvA	Alignment	not modelled	20.3	29	PDB header: oxidoreductase, apoptosis Chain: A: PDB Molecule: ww domain containing oxidoreductase; PDBTitle: solution structure of the second ww domain of wwox
50	c2uygF	Alignment	not modelled	20.0	20	PDB header: lyase Chain: F: PDB Molecule: 3-dehydroquinate dehydratase; PDBTitle: crystallographic structure of the typeii 3-dehydroquinase2 from thermus thermophilus
51	d1k9ra	Alignment	not modelled	19.8	18	Fold: WW domain-like Superfamily: WW domain Family: WW domain
52	c2h0rD	Alignment	not modelled	19.5	14	PDB header: hydrolase Chain: D: PDB Molecule: nicotinamidase; PDBTitle: structure of the yeast nicotinamidase pnc1p
53	d2cfua2	Alignment	not modelled	19.5	14	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: Alkylsulfatase-like
54	d3bzra1	Alignment	not modelled	19.4	13	Fold: EscU C-terminal domain-like Superfamily: EscU C-terminal domain-like

						Family: EscU C-terminal domain-like
55	c3bzaA	Alignment	not modelled	19.4	13	PDB header: membrane protein, protein transport Chain: A: PDB Molecule: escu; PDBTitle: crystal structure of escu c-terminal domain with n262d mutation, space2 group p 41 21 2
56	c3t7yB	Alignment	not modelled	19.0	16	PDB header: protein transport Chain: B: PDB Molecule: yop proteins translocation protein u; PDBTitle: structure of an autocleavage-inactive mutant of the cytoplasmic domain2 of ct091, the yscu homologue of chlamydia trachomatis
57	d3ci0k2	Alignment	not modelled	18.6	15	Fold: SAM domain-like Superfamily: GspK insert domain-like Family: GspK insert domain-like
58	d1tk7a1	Alignment	not modelled	18.3	14	Fold: WW domain-like Superfamily: WW domain Family: WW domain
59	c1ymzA	Alignment	not modelled	18.1	36	PDB header: unknown function Chain: A: PDB Molecule: cc45; PDBTitle: cc45, an artificial ww domain designed using statistical2 coupling analysis
60	d1j2ra	Alignment	not modelled	17.0	14	Fold: Isochorismatase-like hydrolases Superfamily: Isochorismatase-like hydrolases Family: Isochorismatase-like hydrolases
61	c2k29A	Alignment	not modelled	16.5	33	PDB header: transcription Chain: A: PDB Molecule: antitoxin relb; PDBTitle: structure of the dbd domain of e. coli antitoxin relb
62	d1i5hw	Alignment	not modelled	16.5	20	Fold: WW domain-like Superfamily: WW domain Family: WW domain
63	d1f61a	Alignment	not modelled	16.0	17	Fold: TIM beta/alpha-barrel Superfamily: Phosphoenolpyruvate/pyruvate domain Family: Phosphoenolpyruvate mutase/Isocitrate lyase-like
64	d3djba1	Alignment	not modelled	15.6	14	Fold: HD-domain/PDEase-like Superfamily: HD-domain/PDEase-like Family: HD domain
65	c3lqvA	Alignment	not modelled	15.3	18	PDB header: hydrolase Chain: A: PDB Molecule: putative isochorismatase hydrolase; PDBTitle: crystal structure of putative isochorismatase hydrolase from2 oleispira antarctica
66	c2kxqA	Alignment	not modelled	14.2	20	PDB header: protein binding Chain: A: PDB Molecule: e3 ubiquitin-protein ligase smurf2; PDBTitle: solution structure of smurf2 ww2 and ww3 bound to smad7 py motif2 containing peptide
67	d1mnta	Alignment	not modelled	14.0	19	Fold: Ribbon-helix-helix Superfamily: Ribbon-helix-helix Family: Arc/Mnt-like phage repressors
68	d1a4sa	Alignment	not modelled	13.9	18	Fold: ALDH-like Superfamily: ALDH-like Family: ALDH-like
69	c2j1hA	Alignment	not modelled	13.7	16	PDB header: protein transport Chain: A: PDB Molecule: yop proteins translocation protein u; PDBTitle: crystal structure of the cytoplasmic domain of yersinia2 pestis yscu n263a mutant
70	c3o93A	Alignment	not modelled	13.0	14	PDB header: hydrolase Chain: A: PDB Molecule: nicotinamidase; PDBTitle: high resolution crystal structures of streptococcus pneumoniae2 nicotinamidase with trapped intermediates provide insights into3 catalytic mechanism and inhibition by aldehydes
71	c3hu5B	Alignment	not modelled	13.0	15	PDB header: hydrolase Chain: B: PDB Molecule: isochorismatase family protein; PDBTitle: crystal structure of isochorismatase family protein from desulfovibrio2 vulgaris subsp. vulgaris str. hildenborough
72	c3oqpB	Alignment	not modelled	12.9	24	PDB header: hydrolase Chain: B: PDB Molecule: putative isochorismatase; PDBTitle: crystal structure of a putative isochorismatase (bx_e_a0706) from2 burkholderia xenovorans lb400 at 1.22 a resolution
73	c3iv1A	Alignment	not modelled	12.8	12	PDB header: hydrolase Chain: A: PDB Molecule: putative zinc protease; PDBTitle: the crystal structure of the inactive peptidase domain of a putative2 zinc protease from bordetella parapertussis to 2.2a
74	c2hg2A	Alignment	not modelled	12.7	18	PDB header: oxidoreductase Chain: A: PDB Molecule: aldehyde dehydrogenase a; PDBTitle: structure of lactaldehyde dehydrogenase
75	c3fpvC	Alignment	not modelled	12.6	21	PDB header: heme binding protein Chain: C: PDB Molecule: extracellular haem-binding protein; PDBTitle: crystal structure of hbps
76	d1lvaa3	Alignment	not modelled	12.5	11	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: C-terminal fragment of elongation factor SelB
77	d1zk8a2	Alignment	not modelled	12.5	21	Fold: Tetracyclin repressor-like, C-terminal domain Superfamily: Tetracyclin repressor-like, C-terminal domain Family: Tetracyclin repressor-like, C-terminal domain
78	c3le4A	Alignment	not modelled	12.1	22	PDB header: nuclear protein Chain: A: PDB Molecule: microprocessor complex subunit dgcr8; PDBTitle: crystal structure of the dgcr8 dimerization domain
79	c2dmvA	Alignment	not modelled	11.9	27	PDB header: ligase Chain: A: PDB Molecule: itchy homolog e3 ubiquitin protein ligase; PDBTitle: solution structure of the second ww domain of itchy homolog2 e3 ubiquitin protein ligase (itch)
80	c2h6rG	Alignment	not modelled	11.8	18	PDB header: isomerase Chain: G: PDB Molecule: triosephosphate isomerase;

80	c2h6G	Alignment	not modelled	11.8	10	PDBTitle: crystal structure of triosephosphate isomerase (tim) from2 methanocaldococcus jannaschii PDB header: structural genomics, unknown function Chain: B: PDB Molecule: hypothetical upf0166 protein ph1503; PDBTitle: structure of ph1503 protein from pyrococcus horikoshii ot3
81	c2dclB	Alignment	not modelled	11.8	14	PDB header: oxidoreductase Chain: B: PDB Molecule: succinylglutamic semialdehyde dehydrogenase; PDBTitle: crystal structure of succinylglutamic semialdehyde dehydrogenase from2 pseudomonas aeruginosa.
82	c3ju8B	Alignment	not modelled	11.6	33	PDB header: structural genomics, unknown function Chain: C: PDB Molecule: isochorismatase family protein; PDBTitle: crystal structure of isochorismatase family protein
83	c2a67C	Alignment	not modelled	11.4	14	PDB header: hydrolase Chain: A: PDB Molecule: sdsal1; PDBTitle: crystal structure of sdsal1, an alkylsulfatase from2 pseudomonas aeruginosa, in complex with 1-decane-sulfonic-3 acid.
84	c2cfuA	Alignment	not modelled	11.4	14	PDB header: oxidoreductase Chain: D: PDB Molecule: betaine-aldehyde dehydrogenase; PDBTitle: crystal structure of betaine-aldehyde dehydrogenase from2 pseudoalteromonas atlantica t6c
85	c3k2wD	Alignment	not modelled	11.3	20	Fold: WW domain-like Superfamily: WW domain Family: WW domain
86	d2jmfa1	Alignment	not modelled	11.3	21	Fold: Ferredoxin-like Superfamily: GlnB-like Family: DUF190/COG1993
87	d1o51a	Alignment	not modelled	10.6	14	PDB header: transport protein Chain: B: PDB Molecule: f1 capsule-anchoring protein; PDBTitle: conserved hydrophobic clusters on the surface of the caf1a usher2 c-terminal domain are important for f1 antigen assembly
88	c2xetB	Alignment	not modelled	10.5	5	PDB header: transferase Chain: A: PDB Molecule: amino-acid acetyltransferase; PDBTitle: crystal structure of c-terminal domain of n-acetylglutamate synthase2 from vibrio parahaemolyticus
89	c3e0kA	Alignment	not modelled	10.5	8	Fold: Thiamin diphosphate-binding fold (THDP-binding) Superfamily: Thiamin diphosphate-binding fold (THDP-binding) Family: Branched-chain alpha-keto acid dehydrogenase PP module
90	d2bfdal1	Alignment	not modelled	10.5	11	PDB header: metal-binding protein Chain: A: PDB Molecule: surface-associated protein; PDBTitle: an oxidized tryptophan facilitates copper-binding in2 methylococcus capsulatus secreted protein mope. the3 stucture of wild-type mope to 1.35aa
91	c2vovA	Alignment	not modelled	10.4	38	PDB header: oxidoreductase Chain: C: PDB Molecule: succinate-semialdehyde dehydrogenase [nadp+]; PDBTitle: crystal structure of e. coli nadp dependent enzyme
92	c3jz4C	Alignment	not modelled	10.3	26	PDB header: oxidoreductase Chain: B: PDB Molecule: aminoaldehyde dehydrogenase; PDBTitle: crystal structure of aminoaldehyde dehydrogenase 1 from2 pisum sativum (psamadh1)
93	c3iwkB	Alignment	not modelled	10.3	25	Fold: Pyruvate kinase C-terminal domain-like Superfamily: PK C-terminal domain-like Family: MTH1675-like
94	d1vp8a	Alignment	not modelled	10.3	19	PDB header: isomerase Chain: A: PDB Molecule: dna topoisomerase ii; PDBTitle: crystal structure of the atpase region of saccharomyces cerevisiae2 topoisomerase ii bound to icrf-187 (dexrazoxane)
95	c1qzrA	Alignment	not modelled	10.3	10	PDB header: oxidoreductase Chain: A: PDB Molecule: proline dehydrogenase; PDBTitle: crystal structure of bifunctional proline utilization a2 (puta) protein
96	c3hazA	Alignment	not modelled	10.1	21	Fold: Glutaminase/Asparaginase Superfamily: Glutaminase/Asparaginase Family: Glutaminase/Asparaginase
97	d1nnsa	Alignment	not modelled	10.0	14	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: FdhD/NarQ
98	d2pw9a1	Alignment	not modelled	10.0	26	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Hexokinase
99	d1ig8a1	Alignment	not modelled	10.0	22	