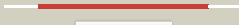
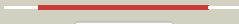
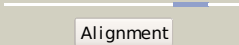
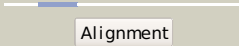
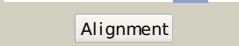
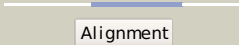
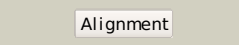
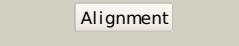
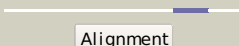
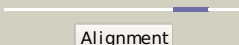
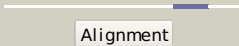
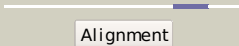
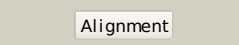
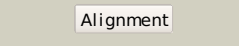
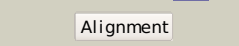
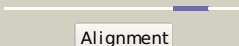
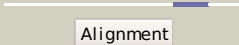
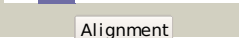


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1jr7a_	 Alignment		100.0	99	Fold: Double-stranded beta-helix Superfamily: Clavamate synthase-like Family: Gab protein (hypothetical protein YgaT)
2	c3ms5A_	 Alignment		100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: gamma-butyrobetaine dioxygenase; PDBTitle: crystal structure of human gamma-butyrobetaine,2-oxoglutarate2 dioxygenase 1 (bbox1)
3	c2og5A_	 Alignment		100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: putative oxygenase; PDBTitle: crystal structure of asparagine oxygenase (asno)
4	d1ds1a_	 Alignment		100.0	17	Fold: Double-stranded beta-helix Superfamily: Clavamate synthase-like Family: Clavamate synthase
5	c2wbqA_	 Alignment		100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: l-arginine beta-hydroxylase; PDBTitle: crystal structure of vioc in complex with (2s,3s)-2-hydroxyarginine
6	d1oiha_	 Alignment		100.0	17	Fold: Double-stranded beta-helix Superfamily: Clavamate synthase-like Family: TauD/TfdA-like
7	d1otja_	 Alignment		100.0	17	Fold: Double-stranded beta-helix Superfamily: Clavamate synthase-like Family: TauD/TfdA-like
8	c3eatX_	 Alignment		100.0	18	PDB header: oxidoreductase Chain: X: PDB Molecule: pyoverdine biosynthesis protein pvcb; PDBTitle: crystal structure of the pvcb (pa2255) protein from2 pseudomonas aeruginosa
9	c3pviB_	 Alignment		100.0	13	PDB header: oxidoreductase Chain: B: PDB Molecule: alpha-ketoglutarate-dependent taurine dioxygenase; PDBTitle: crystal structure of the fe(ii)/alpha-ketoglutarate dependent taurine2 dioxygenase from pseudomonas putida kt2440
10	c3r1jB_	 Alignment		100.0	16	PDB header: oxidoreductase Chain: B: PDB Molecule: alpha-ketoglutarate-dependent taurine dioxygenase; PDBTitle: crystal structure of alpha-ketoglutarate-dependent taurine dioxygenase2 from mycobacterium avium, native form
11	d1nx4a_	 Alignment		100.0	18	Fold: Double-stranded beta-helix Superfamily: Clavamate synthase-like Family: gamma-Butyrobetaine hydroxylase

12	dly0za_		Alignment		99.9	21	Fold: Double-stranded beta-helix Superfamily: Clavamate synthase-like Family: gamma-Butyrobetaine hydroxylase
13	c3pl0B_		Alignment		94.1	36	PDB header: biosynthetic protein Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a bsma homolog (mpe_a2762) from methylolium2 petroleophilum pm1 at 1.91 a resolution
14	d1wdia_		Alignment		92.5	17	Fold: QueA-like Superfamily: QueA-like Family: QueA-like
15	c1yy3A_		Alignment		92.1	33	PDB header: isomerase Chain: A: PDB Molecule: s-adenosylmethionine:trna ribosyltransferase- PDBTitle: structure of s-adenosylmethionine:trna ribosyltransferase-2 isomerase (quea)
16	d1vkya_		Alignment		91.0	22	Fold: QueA-like Superfamily: QueA-like Family: QueA-like
17	d2fcta1		Alignment		84.5	12	Fold: Double-stranded beta-helix Superfamily: Clavamate synthase-like Family: PhyH-like
18	c2opwA_		Alignment		79.5	19	PDB header: oxidoreductase Chain: A: PDB Molecule: phyhd1 protein; PDBTitle: crystal structure of human phytanoyl-coa dioxygenase phyhd1 (apo)
19	d2a1xa1		Alignment		73.1	14	Fold: Double-stranded beta-helix Superfamily: Clavamate synthase-like Family: PhyH-like
20	c2rdsA_		Alignment		69.4	19	PDB header: oxidoreductase Chain: A: PDB Molecule: 1-deoxypentalenic acid 11-beta hydroxylase; fe(ii)/alpha- PDBTitle: crystal structure of pth with fe/oxalylglycine and ent-1-2 deoxypentalenic acid bound
21	c3emrA_		Alignment	not modelled	68.5	16	PDB header: oxidoreductase Chain: A: PDB Molecule: ectd; PDBTitle: crystal structure analysis of the ectoine hydroxylase ectd from2 salibacillus salexigens
22	c3gjbA_		Alignment	not modelled	67.9	13	PDB header: biosynthetic protein Chain: A: PDB Molecule: cytc3; PDBTitle: cytc3 with fe(ii) and alpha-ketoglutarate
23	c3nnlB_		Alignment	not modelled	54.2	16	PDB header: biosynthetic protein Chain: B: PDB Molecule: cura; PDBTitle: halogenase domain from cura module (crystal form iii)
24	c2fg0B_		Alignment	not modelled	50.5	10	PDB header: hydrolase Chain: B: PDB Molecule: cog0791: cell wall-associated hydrolases (invasion- PDBTitle: crystal structure of a putative gamma-d-glutamyl-l-diamino acid2 endopeptidase (npun_r0659) from nostoc punctiforme pcc 73102 at 1.793 a resolution
25	d1v9la2		Alignment	not modelled	43.8	19	Fold: Aminoacid dehydrogenase-like, N-terminal domain Superfamily: Aminoacid dehydrogenase-like, N-terminal domain Family: Aminoacid dehydrogenases
26	d2evra2		Alignment	not modelled	37.5	9	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: NlpC/P60
27	c3npfB_		Alignment	not modelled	32.6	19	PDB header: hydrolase Chain: B: PDB Molecule: putative dipeptidyl-peptidase vi; PDBTitle: crystal structure of a putative dipeptidyl-peptidase vi (bacova_00612)2 from bacteroides ovatus at 1.72 a resolution
28	d1dqua_		Alignment	not modelled	29.8	25	Fold: TIM beta/alpha-barrel Superfamily: Phosphoenolpyruvate/pyruvate domain Family: Phosphoenolpyruvate mutase/isocitrate lyase-like

29	c2xivA	 Alignment	not modelled	28.6	13	PDB header: structural protein Chain: A: PDB Molecule: hypothetical invasion protein; PDBTitle: structure of rv1477, hypothetical invasion protein of2 mycobacterium tuberculosis
30	dlf61a	 Alignment	not modelled	27.7	27	Fold: TIM beta/alpha-barrel Superfamily: Phosphoenolpyruvate/pyruvate domain Family: Phosphoenolpyruvate mutase/isocitrate lyase-like
31	dlywka1	 Alignment	not modelled	25.5	13	Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Kdul-like
32	c3gt2A	 Alignment	not modelled	25.5	6	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of the p60 domain from m. avium2 paratuberculosis antigen map1272c
33	c2dbiA	 Alignment	not modelled	23.9	11	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein ybiu; PDBTitle: crystal structure of a hypothetical protein jw0805 from2 escherichia coli
34	c1yo8A	 Alignment	not modelled	23.5	13	PDB header: cell adhesion Chain: A: PDB Molecule: thrombospondin-2; PDBTitle: structure of the c-terminal domain of human thrombospondin-2
35	dlxnea	 Alignment	not modelled	19.6	17	Fold: PUA domain-like Superfamily: PUA domain-like Family: ProFAR isomerase associated domain
36	c3rcqA	 Alignment	not modelled	19.1	25	PDB header: oxidoreductase Chain: A: PDB Molecule: aspartyl/asparaginyl beta-hydroxylase; PDBTitle: crystal structure of human aspartate beta-hydroxylase isoform a
37	d2axte1	 Alignment	not modelled	18.7	36	Fold: Single transmembrane helix Superfamily: Cytochrome b559 subunits Family: Cytochrome b559 subunits
38	dlfw8a	 Alignment	not modelled	18.4	29	Fold: Phosphoglycerate kinase Superfamily: Phosphoglycerate kinase Family: Phosphoglycerate kinase
39	dls04a	 Alignment	not modelled	18.1	6	Fold: PUA domain-like Superfamily: PUA domain-like Family: ProFAR isomerase associated domain
40	dl6pka	 Alignment	not modelled	18.0	21	Fold: Phosphoglycerate kinase Superfamily: Phosphoglycerate kinase Family: Phosphoglycerate kinase
41	c3ndhA	 Alignment	not modelled	17.8	23	PDB header: hydrolase/dna Chain: A: PDB Molecule: restriction endonuclease thai; PDBTitle: restriction endonuclease in complex with substrate dna
42	c2k1gA	 Alignment	not modelled	17.4	20	PDB header: lipoprotein Chain: A: PDB Molecule: lipoprotein spr; PDBTitle: solution nmr structure of lipoprotein spr from escherichia coli k12.2 northeast structural genomics target er541-37-162
43	c3pbiA	 Alignment	not modelled	16.8	13	PDB header: hydrolase Chain: A: PDB Molecule: invasion protein; PDBTitle: structure of the peptidoglycan hydrolase ripb (rv1478) from2 mycobacterium tuberculosis at 1.6 resolution
44	c1zmrA	 Alignment	not modelled	16.7	21	PDB header: transferase Chain: A: PDB Molecule: phosphoglycerate kinase; PDBTitle: crystal structure of the e. coli phosphoglycerate kinase
45	dlb26a2	 Alignment	not modelled	16.7	19	Fold: Aminoacid dehydrogenase-like, N-terminal domain Superfamily: Aminoacid dehydrogenase-like, N-terminal domain Family: Aminoacid dehydrogenases
46	dlte5a	 Alignment	not modelled	16.6	17	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Class II glutamine amidotransferases
47	dl11fa2	 Alignment	not modelled	16.2	21	Fold: Aminoacid dehydrogenase-like, N-terminal domain Superfamily: Aminoacid dehydrogenase-like, N-terminal domain Family: Aminoacid dehydrogenases
48	dlvpea	 Alignment	not modelled	16.1	29	Fold: Phosphoglycerate kinase Superfamily: Phosphoglycerate kinase Family: Phosphoglycerate kinase
49	dle5ra	 Alignment	not modelled	15.5	6	Fold: Double-stranded beta-helix Superfamily: Clavamate synthase-like Family: Type II Proline 3-hydroxylase (proline oxidase)
50	dlphpa	 Alignment	not modelled	14.9	29	Fold: Phosphoglycerate kinase Superfamily: Phosphoglycerate kinase Family: Phosphoglycerate kinase
51	dlhdia	 Alignment	not modelled	14.9	29	Fold: Phosphoglycerate kinase Superfamily: Phosphoglycerate kinase Family: Phosphoglycerate kinase
52	c1ywke	 Alignment	not modelled	14.7	14	PDB header: isomerase Chain: E: PDB Molecule: 4-deoxy-l-threo-5-hexosulose-uronate ketol- PDBTitle: crystal structure of 4-deoxy-1-threo-5-hexosulose-uronate2 ketol-isomerase from enterococcus faecalis
53	dlv6sa	 Alignment	not modelled	14.6	29	Fold: Phosphoglycerate kinase Superfamily: Phosphoglycerate kinase Family: Phosphoglycerate kinase
54	dlqpga	 Alignment	not modelled	14.3	29	Fold: Phosphoglycerate kinase Superfamily: Phosphoglycerate kinase Family: Phosphoglycerate kinase
55	c3lvwA	 Alignment	not modelled	14.2	7	PDB header: ligase Chain: A: PDB Molecule: glutamate--cysteine ligase;

						PDBTitle: glutathione-inhibited scgcl
56	c3f1zF_	Alignment	not modelled	13.6	24	PDB header: dna binding protein Chain: F: PDB Molecule: putative nucleic acid-binding lipoprotein; PDBTitle: crystal structure of putative nucleic acid-binding lipoprotein2 (yp_001337197.1) from klebsiella pneumoniae subsp. pneumoniae mgh3 78578 at 2.46 a resolution
57	d1ltk_a	Alignment	not modelled	13.6	21	Fold: Phosphoglycerate kinase Superfamily: Phosphoglycerate kinase Family: Phosphoglycerate kinase
58	c3uyjA_	Alignment	not modelled	13.6	38	PDB header: oxidoreductase Chain: A: PDB Molecule: lysine-specific demethylase 8; PDBTitle: crystal structure of jmj d5 catalytic core domain in complex with2 nickle and alpha-kg
59	c1ux6A_	Alignment	not modelled	13.4	11	PDB header: cell adhesion Chain: A: PDB Molecule: thrombospondin-1; PDBTitle: structure of a thrombospondin c-terminal fragment reveals a2 novel calcium core in the type 3 repeats
60	c2ijjA_	Alignment	not modelled	13.3	24	PDB header: hydrolase Chain: A: PDB Molecule: prolyl-4 hydroxylase; PDBTitle: crystal structure of the apo form of chlamydomonas2 reinhardtii prolyl-4 hydroxylase type i
61	c3i86A_	Alignment	not modelled	12.8	15	PDB header: hydrolase Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of the p60 domain from m. avium subspecies2 paratuberculosis antigen map1204
62	d1vjda_	Alignment	not modelled	12.8	29	Fold: Phosphoglycerate kinase Superfamily: Phosphoglycerate kinase Family: Phosphoglycerate kinase
63	c3itqB_	Alignment	not modelled	12.6	36	PDB header: oxidoreductase Chain: B: PDB Molecule: prolyl 4-hydroxylase, alpha subunit domain protein; PDBTitle: crystal structure of a prolyl 4-hydroxylase from bacillus anthracis
64	c3aicC_	Alignment	not modelled	11.8	23	PDB header: transferase Chain: C: PDB Molecule: glucosyltransferase-si; PDBTitle: crystal structure of glucansucrase from streptococcus mutans
65	c3al6A_	Alignment	not modelled	11.7	23	PDB header: unknown function Chain: A: PDB Molecule: jmyc domain-containing protein c2orf60; PDBTitle: crystal structure of human tyw5
66	d2tda1	Alignment	not modelled	11.7	33	Fold: Domain of alpha and beta subunits of F1 ATP synthase-like Superfamily: Alanine racemase C-terminal domain-like Family: Eukaryotic ODC-like
67	c1wtaA_	Alignment	not modelled	11.6	11	PDB header: transferase Chain: A: PDB Molecule: 5'-methylthioadenosine phosphorylase; PDBTitle: crystal structure of 5'-deoxy-5'-methylthioadenosine from aeropyrum2 pernix (r32 form)
68	c3q3vA_	Alignment	not modelled	11.5	36	PDB header: transferase Chain: A: PDB Molecule: phosphoglycerate kinase; PDBTitle: crystal structure of phosphoglycerate kinase from campylobacter2 jejuni.
69	c2w8iG_	Alignment	not modelled	11.4	0	PDB header: membrane protein Chain: G: PDB Molecule: putative outer membrane lipoprotein wza; PDBTitle: crystal structure of wza24-345.
70	c3h41A_	Alignment	not modelled	11.0	13	PDB header: hydrolase Chain: A: PDB Molecule: nlp/p60 family protein; PDBTitle: crystal structure of a nlp/p60 family protein (bce_2878) from2 bacillus cereus atcc 10987 at 1.79 a resolution
71	d1bvua2	Alignment	not modelled	11.0	14	Fold: Aminoacid dehydrogenase-like, N-terminal domain Superfamily: Aminoacid dehydrogenase-like, N-terminal domain Family: Aminoacid dehydrogenases
72	d1vrba1	Alignment	not modelled	10.9	23	Fold: Double-stranded beta-helix Superfamily: Clavamate synthase-like Family: Asparaginyl hydroxylase-like
73	d1njbl1	Alignment	not modelled	10.7	36	Fold: Domain of alpha and beta subunits of F1 ATP synthase-like Superfamily: Alanine racemase C-terminal domain-like Family: Eukaryotic ODC-like
74	d1cb0a_	Alignment	not modelled	10.5	7	Fold: Phosphorylase/hydrolase-like Superfamily: Purine and uridine phosphorylases Family: Purine and uridine phosphorylases
75	d1gtma2	Alignment	not modelled	10.4	17	Fold: Aminoacid dehydrogenase-like, N-terminal domain Superfamily: Aminoacid dehydrogenase-like, N-terminal domain Family: Aminoacid dehydrogenases
76	c3cvoA_	Alignment	not modelled	10.3	15	PDB header: transferase Chain: A: PDB Molecule: methyltransferase-like protein of unknown function; PDBTitle: crystal structure of a methyltransferase-like protein (spo2022) from2 silicibacter pomeroyi dss-3 at 1.80 a resolution
77	d1h2ka_	Alignment	not modelled	10.3	31	Fold: Double-stranded beta-helix Superfamily: Clavamate synthase-like Family: Hypoxia-inducible factor HIF inhibitor (FIH1)
78	c2cunA_	Alignment	not modelled	10.1	21	PDB header: transferase Chain: A: PDB Molecule: phosphoglycerate kinase; PDBTitle: crystal structure of phosphoglycerate kinase from pyrococcus2 horikoshii o3
79	c3k2oB_	Alignment	not modelled	9.9	15	PDB header: oxidoreductase Chain: B: PDB Molecule: bifunctional arginine demethylase and lysyl-hydroxylase PDBTitle: structure of an oxygenase
80	c2zpmA_	Alignment	not modelled	9.8	7	PDB header: hydrolase Chain: A: PDB Molecule: regulator of sigma e protease; PDBTitle: crystal structure analysis of pdz domain b
						Fold: Thioredoxin fold

81	d1n8ja_	Alignment	not modelled	9.4	15	Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
82	c2x4iA_	Alignment	not modelled	9.2	12	PDB header: unknown function Chain: A: PDB Molecule: uncharacterized protein 114; PDBTitle: orf 114a from sulfolobus islandicus rudivirus 1
83	c2bnoA_	Alignment	not modelled	9.1	10	PDB header: oxidoreductase Chain: A: PDB Molecule: epoxidase; PDBTitle: the structure of hydroxypropylphosphonic acid epoxidase2 from s. wedmorenis.
84	d1euza2	Alignment	not modelled	9.0	15	Fold: Aminoacid dehydrogenase-like, N-terminal domain Superfamily: Aminoacid dehydrogenase-like, N-terminal domain Family: Aminoacid dehydrogenases
85	d7odca1	Alignment	not modelled	8.9	33	Fold: Domain of alpha and beta subunits of F1 ATP synthase-like Superfamily: Alanine racemase C-terminal domain-like Family: Eukaryotic ODC-like
86	d1gph12	Alignment	not modelled	8.9	29	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Class II glutamine amidotransferases
87	d1v4na_	Alignment	not modelled	8.3	10	Fold: Phosphorylase/hydrolase-like Superfamily: Purine and uridine phosphorylases Family: Purine and uridine phosphorylases
88	c2bf9A_	Alignment	not modelled	8.2	10	PDB header: hormone Chain: A: PDB Molecule: pancreatic hormone; PDBTitle: anisotropic refinement of avian (turkey) pancreatic2 polypeptide at 0.99 angstroms resolution.
89	c2p1gA_	Alignment	not modelled	8.0	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative xylanase; PDBTitle: crystal structure of a putative xylanase from bacteroides fragilis
90	d1bgva2	Alignment	not modelled	8.0	9	Fold: Aminoacid dehydrogenase-like, N-terminal domain Superfamily: Aminoacid dehydrogenase-like, N-terminal domain Family: Aminoacid dehydrogenases
91	c3e5bB_	Alignment	not modelled	7.8	25	PDB header: lyase Chain: B: PDB Molecule: isocitrate lyase; PDBTitle: 2.4 a crystal structure of isocitrate lyase from brucella2 melitensis
92	c3bvcA_	Alignment	not modelled	7.7	24	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein ism_01780; PDBTitle: crystal structure of uncharacterized protein ism_01780 from2 roseovarius nubinhbens ism
93	d1f3ta1	Alignment	not modelled	7.6	33	Fold: Domain of alpha and beta subunits of F1 ATP synthase-like Superfamily: Alanine racemase C-terminal domain-like Family: Eukaryotic ODC-like
94	c3khsB_	Alignment	not modelled	7.6	16	PDB header: hydrolase Chain: B: PDB Molecule: purine nucleoside phosphorylase; PDBTitle: crystal structure of grouper iridovirus purine nucleoside2 phosphorylase
95	c1xjvA_	Alignment	not modelled	7.4	43	PDB header: transcription/dna Chain: A: PDB Molecule: protection of telomeres 1; PDBTitle: crystal structure of human pot1 bound to telomeric single-2 stranded dna (ttagggttag)
96	c3kw0D_	Alignment	not modelled	7.4	20	PDB header: hydrolase Chain: D: PDB Molecule: cysteine peptidase; PDBTitle: crystal structure of cysteine peptidase (np_982244.1) from bacillus2 cereus atcc 10987 at 2.50 a resolution
97	c3dkqB_	Alignment	not modelled	7.2	19	PDB header: oxidoreductase Chain: B: PDB Molecule: pkhd-type hydroxylase sbal_3634; PDBTitle: crystal structure of putative oxygenase (yp_001051978.1) from2 shewanella baltica os155 at 2.26 a resolution
98	c1ronA_	Alignment	not modelled	7.2	29	PDB header: neuropeptide Chain: A: PDB Molecule: neuropeptide y; PDBTitle: nmr solution structure of human neuropeptide y
99	c1z7hA_	Alignment	not modelled	7.0	18	PDB header: hydrolase Chain: A: PDB Molecule: tetanus toxin light chain; PDBTitle: 2.3 angstrom crystal structure of tetanus neurotoxin light2 chain