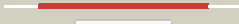



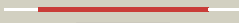




























Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD1077_(cbs)_1201722_1203116
 Date Wed Jul 31 22:05:15 BST 2019
 Unique Job ID a28ca69069d74d88

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4l3vB_	 Alignment		100.0	40	PDB header: lyase Chain: B; PDB Molecule: cystathionine beta-synthase; PDBTitle: crystal structure of delta516-525 human cystathionine beta-synthase
2	c3pc3A_	 Alignment		100.0	36	PDB header: lyase Chain: A; PDB Molecule: cg1753, isoform a; PDBTitle: full length structure of cystathionine beta-synthase from drosophila2 in complex with aminoacylate
3	c5ohxB_	 Alignment		100.0	36	PDB header: lyase Chain: B; PDB Molecule: cystathionine beta-synthase; PDBTitle: structure of active cystathionine b-synthase from apis mellifera
4	c1jbqD_	 Alignment		100.0	47	PDB header: lyase Chain: D; PDB Molecule: cystathionine beta-synthase; PDBTitle: structure of human cystathionine beta-synthase: a unique pyridoxal 5'-2 phosphate dependent hemeprotein
5	d1jbqa_	 Alignment		100.0	47	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
6	c6c2qA_	 Alignment		100.0	41	PDB header: lyase Chain: A; PDB Molecule: cystathionine beta-synthase; PDBTitle: crystal structures of cystathionine beta-synthase from saccharomyces2 cerevisiae: the structure of the plp-l-serine intermediate
7	c5d87A_	 Alignment		100.0	32	PDB header: biosynthetic protein Chain: A; PDB Molecule: probable siderophore biosynthesis protein sbna; PDBTitle: staphyloferrin b precursor biosynthetic enzyme sbna y152f/s185g2 variant
8	c5i7wA_	 Alignment		100.0	35	PDB header: transferase Chain: A; PDB Molecule: cysteine synthase a; PDBTitle: crystal structure of a cysteine synthase from brucella suis
9	d1z7wa1	 Alignment		100.0	42	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
10	c3dwgA_	 Alignment		100.0	40	PDB header: transferase Chain: A; PDB Molecule: cysteine synthase b; PDBTitle: crystal structure of a sulfur carrier protein complex found in the2 cysteine biosynthetic pathway of mycobacterium tuberculosis
11	c2pqmA_	 Alignment		100.0	32	PDB header: lyase Chain: A; PDB Molecule: cysteine synthase; PDBTitle: crystal structure of cysteine synthase (oass) from entamoeba2 histolytica at 1.86 a resolution

12	c4aecB_	Alignment		100.0	40	PDB header: lyase Chain: B; PDB Molecule: cysteine synthase, mitochondrial; PDBTitle: crystal structure of the arabidopsis thaliana o-acetylserine-(thiol)-2 lyase c
13	c3x43F_	Alignment		100.0	41	PDB header: transferase Chain: F; PDB Molecule: o-ureido-l-serine synthase; PDBTitle: crystal structure of o-ureido-l-serine synthase
14	c3vbeA_	Alignment		100.0	39	PDB header: transferase Chain: A; PDB Molecule: beta-cyanoalanine synthase; PDBTitle: crystal structure of beta-cyanoalanine synthase in soybean
15	c4lmaA_	Alignment		100.0	40	PDB header: transferase Chain: A; PDB Molecule: cysteine synthase; PDBTitle: crystal structure analysis of o-acetylserine sulfhydrylase cysk1 from2 microcystis aeruginosa 7806
16	c5b1iC_	Alignment		100.0	38	PDB header: lyase Chain: C; PDB Molecule: cystathionine beta-synthase; PDBTitle: crystal structure of k42a mutant of cystathionine beta-synthase from2 lactobacillus plantarum in a complex with l-methionine
17	c4airB_	Alignment		100.0	36	PDB header: transferase Chain: B; PDB Molecule: cysteine synthase; PDBTitle: leishmania major cysteine synthase
18	c4ilxA_	Alignment		100.0	38	PDB header: transferase Chain: A; PDB Molecule: cysteine synthase; PDBTitle: crystal structure of cysteine synthase from helicobacter pylori 26695
19	c5xa2B_	Alignment		100.0	43	PDB header: transferase Chain: B; PDB Molecule: cysteine synthase; PDBTitle: crystal structure of o-acetylserine sulfhydrylase from planctomyces2 limnophila
20	d1ve1a1	Alignment		100.0	46	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
21	c4ql4A_	Alignment	not modelled	100.0	40	PDB header: lyase Chain: A; PDB Molecule: o-acetylserine lyase; PDBTitle: crystal structure of o-acetylserine sulfhydrylase from bacillus2 anthracis
22	c5xenB_	Alignment	not modelled	100.0	37	PDB header: transferase Chain: B; PDB Molecule: cysteine synthase; PDBTitle: crystal structure of a hydrogen sulfide-producing enzyme (fn1220) from2 fusobacterium nucleatum in complex with l-serine-plp schiff base
23	c2q3bA_	Alignment	not modelled	100.0	46	PDB header: transferase Chain: A; PDB Molecule: cysteine synthase a; PDBTitle: 1.8 a resolution crystal structure of o-acetylserine sulfhydrylase2 (oass) holoenzyme from mycobacterium tuberculosis
24	d2bhsa1	Alignment	not modelled	100.0	39	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
25	d1y7la1	Alignment	not modelled	100.0	38	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
26	d1wkva1	Alignment	not modelled	100.0	26	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
27	d1o58a_	Alignment	not modelled	100.0	44	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent

						enzymes
28	c2eguA_	Alignment	not modelled	100.0	47	PDB header: transferase Chain: A: PDB Molecule: cysteine synthase; PDBTitle: crystal structure of o-acetylserine sulphydrase from geobacillus2 kaustophilus hta426
29	d1fcja_	Alignment	not modelled	100.0	41	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
30	c3l6cA_	Alignment	not modelled	100.0	20	PDB header: isomerase Chain: A: PDB Molecule: serine racemase; PDBTitle: x-ray crystal structure of rat serine racemase in complex with2 malonate a potent inhibitor
31	c1tdja_	Alignment	not modelled	100.0	17	PDB header: allostery Chain: A: PDB Molecule: biosynthetic threonine deaminase; PDBTitle: threonine deaminase (biosynthetic) from e. coli
32	d1pwha_	Alignment	not modelled	100.0	21	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
33	c6hulB_	Alignment	not modelled	100.0	19	PDB header: lyase Chain: B: PDB Molecule: tryptophan synthase beta chain 1; PDBTitle: sulfobolus solfataricus tryptophan synthase ab complex
34	c2d1fA_	Alignment	not modelled	100.0	21	PDB header: lyase Chain: A: PDB Molecule: threonine synthase; PDBTitle: structure of mycobacterium tuberculosis threonine synthase
35	c1p5jA_	Alignment	not modelled	100.0	19	PDB header: lyase Chain: A: PDB Molecule: l-serine dehydratase; PDBTitle: crystal structure analysis of human serine dehydratase
36	d1p5ja_	Alignment	not modelled	100.0	19	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
37	c4negA_	Alignment	not modelled	100.0	19	PDB header: lyase Chain: A: PDB Molecule: tryptophan synthase beta chain; PDBTitle: the crystal structure of tryptophan synthase subunit beta from2 bacillus anthracis str. 'ames ancestor'
38	c5b54D_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: D: PDB Molecule: cysteine synthase; PDBTitle: crystal structure of hydrogen sulfide-producing enzyme (fn1055) from2 fusobacterium nucleatum: lysine-dimethylated form
39	c1x1qA_	Alignment	not modelled	100.0	21	PDB header: lyase Chain: A: PDB Molecule: tryptophan synthase beta chain; PDBTitle: crystal structure of tryptophan synthase beta chain from thermus2 thermophilus hb8
40	c6cggA_	Alignment	not modelled	100.0	20	PDB header: lyase Chain: A: PDB Molecule: threonine synthase; PDBTitle: threonine synthase from bacillus subtilis atcc 6633 with plp and plp-2 ala
41	d1v7ca_	Alignment	not modelled	100.0	23	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
42	c3iaua_	Alignment	not modelled	100.0	20	PDB header: lyase Chain: A: PDB Molecule: threonine deaminase; PDBTitle: the structure of the processed form of threonine deaminase isoform 22 from solanum lycopersicum
43	c5c3uA_	Alignment	not modelled	100.0	20	PDB header: lyase Chain: A: PDB Molecule: l-serine ammonia-lyase; PDBTitle: crystal structure of a fungal l-serine ammonia-lyase from rhizomucor2 miehei
44	c2gn0A_	Alignment	not modelled	100.0	22	PDB header: lyase Chain: A: PDB Molecule: threonine dehydratase catabolic; PDBTitle: crystal structure of dimeric biodegradative threonine deaminase (tdcb)2 from salmonella typhimurium at 1.7 a resolution (triclinic form with3 one complete subunit built in alternate conformation)
45	d1qopb_	Alignment	not modelled	100.0	20	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
46	d1v8za1	Alignment	not modelled	100.0	23	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
47	d1v71a1	Alignment	not modelled	100.0	18	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
48	d1tdja1	Alignment	not modelled	100.0	17	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
49	c2o2jA_	Alignment	not modelled	100.0	23	PDB header: lyase Chain: A: PDB Molecule: tryptophan synthase beta chain; PDBTitle: mycobacterium tuberculosis tryptophan synthase beta chain dimer2 (apofom)
50	c4qysA_	Alignment	not modelled	100.0	17	PDB header: lyase Chain: A: PDB Molecule: tryptophan synthase beta chain 2; PDBTitle: trpb2 enzymes
						PDB header: isomerase

51	c5ybwA	Alignment	not modelled	100.0	22	Chain: A; PDB Molecule: aspartate racemase; PDBTitle: crystal structure of pyridoxal 5'-phosphate-dependent aspartate2 racemase
52	d1ve5a1	Alignment	not modelled	100.0	26	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
53	c5cvcB	Alignment	not modelled	100.0	21	PDB header: isomerase Chain: B; PDB Molecule: serine racemase; PDBTitle: structure of maize serine racemase
54	c3r0zA	Alignment	not modelled	100.0	19	PDB header: lyase Chain: A; PDB Molecule: d-serine dehydratase; PDBTitle: crystal structure of apo d-serine deaminase from salmonella2 typhimurium
55	c2rkbE	Alignment	not modelled	100.0	22	PDB header: lyase Chain: E; PDB Molecule: serine dehydratase-like; PDBTitle: serine dehydratase like-1 from human cancer cells
56	c2zsjB	Alignment	not modelled	100.0	21	PDB header: lyase Chain: B; PDB Molecule: threonine synthase; PDBTitle: crystal structure of threonine synthase from aquifex aeolicus vf5
57	c5kinD	Alignment	not modelled	100.0	20	PDB header: lyase Chain: D; PDB Molecule: tryptophan synthase beta chain; PDBTitle: crystal structure of tryptophan synthase alpha beta complex from2 streptococcus pneumoniae
58	c5tchH	Alignment	not modelled	100.0	22	PDB header: lyase Chain: H; PDB Molecule: tryptophan synthase beta chain; PDBTitle: crystal structure of tryptophan synthase from m. tuberculosis -2 ligand-free form, trpa-g66v mutant
59	c4d9gA	Alignment	not modelled	100.0	19	PDB header: lyase Chain: A; PDB Molecule: putative diaminopropionate ammonia-lyase; PDBTitle: crystal structure of selenomethionine incorporated holo2 diaminopropionate ammonia lyase from escherichia coli
60	c5ygrA	Alignment	not modelled	100.0	18	PDB header: lyase Chain: A; PDB Molecule: diaminopropionate ammonia lyase; PDBTitle: crystal structure of plp bound diaminopropionate ammonia lyase from2 salmonella typhimurium
61	d1e5xa	Alignment	not modelled	100.0	17	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
62	d1j0aa	Alignment	not modelled	100.0	18	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
63	c4d8tC	Alignment	not modelled	100.0	17	PDB header: lyase Chain: C; PDB Molecule: d-cysteine desulfhydrase; PDBTitle: crystal structure of d-cysteine desulfhydrase from salmonella2 typhimurium at 2.2 a resolution
64	d1f2da	Alignment	not modelled	100.0	18	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
65	d1tyza	Alignment	not modelled	100.0	20	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
66	c3v7nA	Alignment	not modelled	100.0	16	PDB header: lyase Chain: A; PDB Molecule: threonine synthase; PDBTitle: crystal structure of threonine synthase (thrc) from burkholderia2 thailandensis
67	c4f4fB	Alignment	not modelled	100.0	16	PDB header: lyase Chain: B; PDB Molecule: threonine synthase; PDBTitle: x-ray crystal structure of plp bound threonine synthase from brucella2 melitensis
68	d1vb3a1	Alignment	not modelled	100.0	17	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
69	d1kl7a	Alignment	not modelled	99.9	14	Fold: Tryptophan synthase beta subunit-like PLP-dependent enzymes Superfamily: Tryptophan synthase beta subunit-like PLP-dependent enzymes Family: Tryptophan synthase beta subunit-like PLP-dependent enzymes
70	c4z87B	Alignment	not modelled	99.8	23	PDB header: oxidoreductase Chain: B; PDB Molecule: inosine-5'-monophosphate dehydrogenase; PDBTitle: structure of the imp dehydrogenase from ashbya gossypii bound to gdp
71	c1zfjA	Alignment	not modelled	99.8	18	PDB header: oxidoreductase Chain: A; PDB Molecule: inosine monophosphate dehydrogenase; PDBTitle: inosine monophosphate dehydrogenase (impdh; ec 1.1.1.205) from2 streptococcus pyogenes
72	c3tsdA	Alignment	not modelled	99.8	23	PDB header: oxidoreductase Chain: A; PDB Molecule: inosine-5'-monophosphate dehydrogenase; PDBTitle: crystal structure of inosine-5'-monophosphate dehydrogenase from2 bacillus anthracis str. ames complexed with xmp
73	d2j9la1	Alignment	not modelled	99.8	22	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
						Fold: CBS-domain pair

74	d2yza1	Alignment	not modelled	99.8	20	Superfamily: CBS-domain pair Family: CBS-domain pair
75	c2qh1B_	Alignment	not modelled	99.8	21	PDB header: unknown function Chain: B: PDB Molecule: hypothetical protein ta0289; PDBTitle: structure of ta289, a cbs-rubredoxin-like protein, in its fe+2-bound2 state
76	c4fryA_	Alignment	not modelled	99.8	24	PDB header: signaling protein Chain: A: PDB Molecule: putative signal-transduction protein with cbs domains; PDBTitle: the structure of a putative signal-transduction protein with cbs2 domains from burkholderia ambifaria mc40-6
77	d3ddja1	Alignment	not modelled	99.8	17	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
78	c5tr1A_	Alignment	not modelled	99.8	14	PDB header: transport protein Chain: A: PDB Molecule: chloride channel protein; PDBTitle: cryo-electron microscopy structure of a bovine clc-k chloride channel,2 alternate (class 2) conformation
79	c2ouxB_	Alignment	not modelled	99.8	20	PDB header: transport protein Chain: B: PDB Molecule: magnesium transporter; PDBTitle: crystal structure of the soluble part of a magnesium transporter
80	c6qvcB_	Alignment	not modelled	99.8	15	PDB header: membrane protein Chain: B: PDB Molecule: chloride channel protein 1; PDBTitle: cryoem structure of the human clc-1 chloride channel, cbs state 1
81	d1yava3	Alignment	not modelled	99.7	15	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
82	c4o9kB_	Alignment	not modelled	99.7	22	PDB header: isomerase Chain: B: PDB Molecule: arabinose 5-phosphate isomerase; PDBTitle: crystal structure of the cbs pair of a putative d-arabinose 5-2 phosphate isomerase from methylococcus capsulatus in complex with3 cmp-kdo
83	c2qlvF_	Alignment	not modelled	99.7	19	PDB header: transferase/protein binding Chain: F: PDB Molecule: nuclear protein snf4; PDBTitle: crystal structure of the heterotrimer core of the s. cerevisiae ampk2 homolog snf1
84	c5x8oA_	Alignment	not modelled	99.7	21	PDB header: oxidoreductase Chain: A: PDB Molecule: inosine-5'-monophosphate dehydrogenase; PDBTitle: crystal structure of gmp reductase from trypanosoma brucei with2 guanosine 5'-triphosphate
85	d1pbja3	Alignment	not modelled	99.7	22	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
86	d2ef7a1	Alignment	not modelled	99.7	17	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
87	c5aweA_	Alignment	not modelled	99.7	25	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative acetoin utilization protein, acetoin PDBTitle: crystal structure of a hypothetical protein, ttha0829 from thermus2 thermophilus hb8, composed of cystathionine-beta-synthase (cbs) and3 aspartate-kinase chorismate-mutase tyra (act) domains
88	c1yavB_	Alignment	not modelled	99.7	16	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: hypothetical protein bsu14130; PDBTitle: crystal structure of cbs domain-containing protein yukl2 from bacillus subtilis
89	c2p9mD_	Alignment	not modelled	99.7	19	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
90	c2emqA_	Alignment	not modelled	99.7	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical conserved protein; PDBTitle: hypothetical conserved protein (gk1048) from geobacillus kaustophilus
91	c6cozB_	Alignment	not modelled	99.7	15	PDB header: transport protein Chain: B: PDB Molecule: chloride channel protein 1; PDBTitle: human clc-1 chloride ion channel, c-terminal cytosolic domain
92	c2qr1E_	Alignment	not modelled	99.7	18	PDB header: transferase Chain: E: PDB Molecule: protein c1556.08c; PDBTitle: crystal structure of the adenylate sensor from amp-activated protein2 kinase in complex with adp
93	d2d4za3	Alignment	not modelled	99.7	13	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
94	c3fwrB_	Alignment	not modelled	99.7	21	PDB header: transcription Chain: B: PDB Molecule: yyqzb protein; PDBTitle: crystal structure of the cbs domains from the bacillus subtilis ccpn2 repressor complexed with adp
95	d1vr9a3	Alignment	not modelled	99.7	23	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
96	c3ctuB_	Alignment	not modelled	99.7	17	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: cbs domain protein; PDBTitle: crystal structure of cbs domain protein from streptococcus2 pneumoniae tigr4
97	d2ouxa2	Alignment	not modelled	99.7	19	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
98	c3sl7B_	Alignment	not modelled	99.7	25	PDB header: membrane protein Chain: B: PDB Molecule: cbs domain-containing protein cbsx2; PDBTitle: crystal structure of cbs-pair protein, cbsx2 from arabidopsis thaliana
						Fold: CBS-domain pair

99	d2rc3a1	Alignment	not modelled	99.7	18	Superfamily: CBS-domain pair Family: CBS-domain pair
100	c3lqnA	Alignment	not modelled	99.7	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: cbs domain protein; PDBTitle: crystal structure of cbs domain-containing protein of2 unknown function from bacillus anthracis str. ames ancestor
101	d1zfa4	Alignment	not modelled	99.7	18	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
102	d1pvma4	Alignment	not modelled	99.7	21	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
103	d2ooxe2	Alignment	not modelled	99.7	19	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
104	c2v8qE	Alignment	not modelled	99.7	21	PDB header: transferase Chain: E: PDB Molecule: 5'-amp-activated protein kinase subunit gamma-1; PDBTitle: crystal structure of the regulatory fragment of mammalian2 ampk in complexes with amp
105	d2v8qe1	Alignment	not modelled	99.7	19	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
106	c4nocA	Alignment	not modelled	99.7	13	PDB header: signaling protein Chain: A: PDB Molecule: putative signal transduction protein with cbs domains; PDBTitle: the crystal structure of a cbs domain-containing protein of unknown2 function from kribbella flavida dsm 17836.
107	c1vr9B	Alignment	not modelled	99.7	23	PDB header: unknown function Chain: B: PDB Molecule: cbs domain protein/act domain protein; PDBTitle: crystal structure of a cbs domain pair/act domain protein (tm0892)2 from thermotoga maritima at 1.70 a resolution
108	d1o50a3	Alignment	not modelled	99.7	17	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
109	c3gbyA	Alignment	not modelled	99.7	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein ct1051; PDBTitle: crystal structure of a protein with unknown function ct10512 from chlorobium tepidum
110	c5nmuC	Alignment	not modelled	99.7	19	PDB header: photosynthesis Chain: C: PDB Molecule: cbs-cp12; PDBTitle: structure of hexameric cbs-cp12 protein from bloom-forming2 cyanobacteria
111	c2yvxD	Alignment	not modelled	99.7	26	PDB header: transport protein Chain: D: PDB Molecule: mg2+ transporter mgte; PDBTitle: crystal structure of magnesium transporter mgte
112	c2d4zB	Alignment	not modelled	99.7	14	PDB header: transport protein Chain: B: PDB Molecule: chloride channel protein; PDBTitle: crystal structure of the cytoplasmic domain of the chloride channel2 clc-0
113	c5ks7A	Alignment	not modelled	99.7	16	PDB header: hydrolase/hydrolase inhibitor Chain: A: PDB Molecule: carnitine transport atp-binding protein opuca; PDBTitle: crystal structure of listeria monocytogenes opuca cbs domain dimer in2 complex with cyclic-di-amp
114	d1y5ha3	Alignment	not modelled	99.7	15	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
115	d2ooxe1	Alignment	not modelled	99.7	22	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
116	c3hf7A	Alignment	not modelled	99.7	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized cbs-domain protein; PDBTitle: the crystal structure of a cbs-domain pair with bound amp from2 klebsiella pneumoniae to 2.75a
117	c3i8nB	Alignment	not modelled	99.7	17	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein vp2912; PDBTitle: a domain of a conserved functionally known protein from2 vibrio parahaemolyticus rimd 2210633.
118	d2v8qe2	Alignment	not modelled	99.7	20	Fold: CBS-domain pair Superfamily: CBS-domain pair Family: CBS-domain pair
119	c3lhhA	Alignment	not modelled	99.7	17	PDB header: membrane protein Chain: A: PDB Molecule: cbs domain protein; PDBTitle: the crystal structure of cbs domain protein from shewanella2 oneidensis mr-1.
120	c3kxrA	Alignment	not modelled	99.7	15	PDB header: transport protein Chain: A: PDB Molecule: magnesium transporter, putative; PDBTitle: structure of the cystathionine beta-synthase pair domain of the2 putative mg2+ transporter so5017 from shewanella oneidensis mr-1.