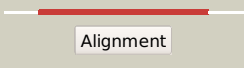

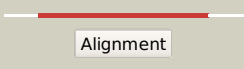

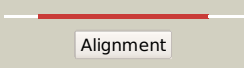

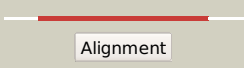

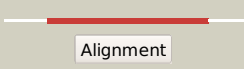

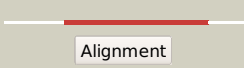

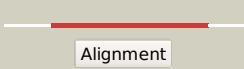

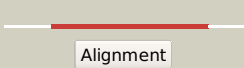

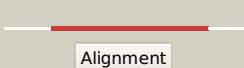

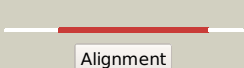

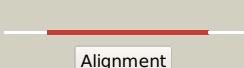












Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0092_(ctpA)_100580_102865
Date	Tue Jul 23 14:50:13 BST 2019
Unique Job ID	31a124a5f83d7a51

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3j09A_			100.0	36	PDB header: hydrolase, metal transport Chain: A: PDB Molecule: copper-exporting p-type atpase a; PDBTitle: high resolution helical reconstruction of the bacterial p-type atpase2 copper transporter copa
2	c3rfuC_			100.0	39	PDB header: hydrolase, membrane protein Chain: C: PDB Molecule: copper efflux atpase; PDBTitle: crystal structure of a copper-transporting pib-type atpase
3	c3j08A_			100.0	38	PDB header: hydrolase, metal transport Chain: A: PDB Molecule: copper-exporting p-type atpase a; PDBTitle: high resolution helical reconstruction of the bacterial p-type atpase2 copper transporter copa
4	c4umwA_			100.0	31	PDB header: hydrolase Chain: A: PDB Molecule: zinc-transporting atpase; PDBTitle: crystal structure of a zinc-transporting pib-type atpase in2 e2.pi state
5	c5mrwF_			100.0	25	PDB header: hydrolase Chain: F: PDB Molecule: potassium-transporting atpase atp-binding subunit; PDBTitle: structure of the kdpfabc complex
6	c1mhsA_			100.0	24	PDB header: membrane protein, proton transport Chain: A: PDB Molecule: plasma membrane atpase; PDBTitle: model of neurospora crassa proton atpase
7	c2zxeA_			100.0	22	PDB header: hydrolase/transport protein Chain: A: PDB Molecule: na, k-atpase alpha subunit; PDBTitle: crystal structure of the sodium - potassium pump in the e2.2k+.pi2 state
8	c3ixzA_			100.0	23	PDB header: hydrolase Chain: A: PDB Molecule: potassium-transporting atpase alpha; PDBTitle: pig gastric h+/k+-atpase complexed with aluminium fluoride
9	c3b9bA_			100.0	22	PDB header: hydrolase Chain: A: PDB Molecule: sarcoplasmic/endoplasmic reticulum calcium PDBTitle: structure of the e2 beryllium fluoride complex of the serca2 ca2+-atpase
10	c3b8eC_			100.0	22	PDB header: hydrolase/transport protein Chain: C: PDB Molecule: sodium/potassium-transporting atpase subunit PDBTitle: crystal structure of the sodium-potassium pump
11	c6a69A_			100.0	24	PDB header: structural protein Chain: A: PDB Molecule: plasma membrane calcium-transporting atpase 1; PDBTitle: cryo-em structure of a p-type atpase

12	c3b8cB_	Alignment		100.0	27	PDB header: hydrolase Chain: B: PDB Molecule: atpase 2, plasma membrane-type; PDBTitle: crystal structure of a plasma membrane proton pump
13	c6roiA_	Alignment		100.0	18	PDB header: lipid transport Chain: A: PDB Molecule: probable phospholipid-transporting atpase drs2; PDBTitle: cryo-em structure of the partially activated drs2p-cdc50p
14	c3skyA_	Alignment		100.0	42	PDB header: hydrolase Chain: A: PDB Molecule: copper-exporting p-type atpase b; PDBTitle: 2.1a crystal structure of the phosphate bound atp binding domain of2 archaeoglobus fulgidus copb
15	c2b8eB_	Alignment		100.0	39	PDB header: membrane protein Chain: B: PDB Molecule: cation-transporting atpase; PDBTitle: copa atp binding domain
16	c2iyeC_	Alignment		100.0	35	PDB header: hydrolase Chain: C: PDB Molecule: copper-transporting atpase; PDBTitle: structure of catalytic cpx-atpase domain copb-b
17	c3p96A_	Alignment		100.0	19	PDB header: hydrolase Chain: A: PDB Molecule: phosphoserine phosphatase serb; PDBTitle: crystal structure of phosphoserine phosphatase serb from mycobacterium2 avium, native form
18	d1wpga2	Alignment		100.0	31	Fold: HAD-like Superfamily: HAD-like Family: Meta-cation ATPase, catalytic domain P
19	d2b8ea1	Alignment		100.0	44	Fold: HAD-like Superfamily: HAD-like Family: Meta-cation ATPase, catalytic domain P
20	c3n28A_	Alignment		99.9	18	PDB header: hydrolase Chain: A: PDB Molecule: phosphoserine phosphatase; PDBTitle: crystal structure of probable phosphoserine phosphatase from vibrio2 cholerae, unliganded form
21	d1y8aa1	Alignment	not modelled	99.9	22	Fold: HAD-like Superfamily: HAD-like Family: AF1437-like
22	c2hc8A_	Alignment	not modelled	99.9	37	PDB header: transport protein Chain: A: PDB Molecule: cation-transporting atpase, p-type; PDBTitle: structure of the a. fulgidus copa a-domain
23	c2kijA_	Alignment	not modelled	99.9	37	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 1; PDBTitle: solution structure of the actuator domain of the copper-2 transporting atpase atp7a
24	d1wpga1	Alignment	not modelled	99.8	22	Fold: Double-stranded beta-helix Superfamily: Calcium ATPase, transduction domain A Family: Calcium ATPase, transduction domain A
25	c2kmvA_	Alignment	not modelled	99.8	23	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 1; PDBTitle: solution structure of the nucleotide binding domain of the2 human menkes protein in the atp-free form
26	c4ezeB_	Alignment	not modelled	99.7	18	PDB header: hydrolase Chain: B: PDB Molecule: haloacid dehalogenase-like hydrolase; PDBTitle: crystal structure of had family hydrolase t0658 from salmonella2 enterica subsp. enterica serovar typhi (target efi-501419)
27	c2koyA_	Alignment	not modelled	99.7	32	PDB header: metal transport Chain: A: PDB Molecule: copper-transporting atpase 2; PDBTitle: structure of the e1064a mutant of the n-domain of wilson disease2 associated protein
28	c2r8zC_	Alignment	not modelled	99.6	24	PDB header: hydrolase Chain: C: PDB Molecule: 3-deoxy-d-manno-octulosonate 8-phosphate phosphatase; PDBTitle: crystal structure of yrbi phosphatase from escherichia coli

						in complex2 with a phosphate and a calcium ion
29	c2arfA_	Alignment	not modelled	99.6	34	PDB header: hydrolase Chain: A: PDB Molecule: wilson disease atpase; PDBTitle: solution structure of the wilson atpase n-domain in the2 presence of atp
30	c3mmzA_	Alignment	not modelled	99.6	27	PDB header: hydrolase Chain: A: PDB Molecule: putative had family hydrolase; PDBTitle: crystal structure of putative had family hydrolase from streptomyces2 avermitilis ma-4680
31	d2a29a1	Alignment	not modelled	99.6	20	Fold: Metal cation-transporting ATPase, ATP-binding domain N Superfamily: Metal cation-transporting ATPase, ATP-binding domain N Family: Metal cation-transporting ATPase, ATP-binding domain N
32	c3l7yA_	Alignment	not modelled	99.5	15	PDB header: hydrolase Chain: A: PDB Molecule: putative uncharacterized protein smu.1108c; PDBTitle: the crystal structure of smu.1108c from streptococcus mutans ua159
33	c3n07B_	Alignment	not modelled	99.5	17	PDB header: hydrolase Chain: B: PDB Molecule: 3-deoxy-d-manno-octulosonate 8-phosphate phosphatase; PDBTitle: structure of putative 3-deoxy-d-manno-octulosonate 8-phosphate2 phosphatase from vibrio cholerae
34	d1k1ea_	Alignment	not modelled	99.5	27	Fold: HAD-like Superfamily: HAD-like Family: Probable phosphatase Yrbl
35	c2p9jH_	Alignment	not modelled	99.5	14	PDB header: structural genomics, unknown function Chain: H: PDB Molecule: hypothetical protein aq2171; PDBTitle: crystal structure of aq2171 from aquifex aeolicus
36	c5lbkA_	Alignment	not modelled	99.5	29	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase paa2, chloroplastic; PDBTitle: crystal structure of the n-domain of hma8, a copper-transporting p-2 type atpase
37	c4umfC_	Alignment	not modelled	99.5	20	PDB header: hydrolase Chain: C: PDB Molecule: 3-deoxy-d-manno-octulosonate 8-phosphate phosphatase kdsc; PDBTitle: crystal structure of 3-deoxy-d-manno-octulosonate 8-2 phosphate phosphatase from moraxella catarrhalis in3 complex with magnesium ion, phosphate ion and kdo molecule
38	c4qjbB_	Alignment	not modelled	99.5	25	PDB header: hydrolase Chain: B: PDB Molecule: haloacid dehalogenase-like hydrolase; PDBTitle: crystal structure of the sugar phosphatase pfhad1 from plasmodium2 falciparum
39	c3mn1B_	Alignment	not modelled	99.5	21	PDB header: hydrolase Chain: B: PDB Molecule: probable yrbi family phosphatase; PDBTitle: crystal structure of probable yrbi family phosphatase from pseudomonas2 syringae pv.phaseolica 1448a
40	c5lbdB_	Alignment	not modelled	99.5	35	PDB header: hydrolase Chain: B: PDB Molecule: copper-transporting atpase paa1, chloroplastic; PDBTitle: crystal structure of the n-domain of hma6, a copper-transporting p-2 type atpase
41	c3n1uA_	Alignment	not modelled	99.5	18	PDB header: hydrolase Chain: A: PDB Molecule: hydrolase, had superfamily, subfamily iii a; PDBTitle: structure of putative had superfamily (subfamily iii a) hydrolase from2 legionella pneumophila
42	c3e8mD_	Alignment	not modelled	99.4	18	PDB header: transferase Chain: D: PDB Molecule: acylneuraminate cytidylyltransferase; PDBTitle: structure-function analysis of 2-keto-3-deoxy-d-glycero-d-galacto-2 nononate-9-phosphate (kdn) phosphatase defines a new clad within the3 type c0 had subfamily
43	c3ewiB_	Alignment	not modelled	99.4	13	PDB header: transferase Chain: B: PDB Molecule: n-acylneuraminate cytidylyltransferase; PDBTitle: structural analysis of the c-terminal domain of murine cmp-sialic acid2 synthetase
44	c4hgnB_	Alignment	not modelled	99.4	16	PDB header: hydrolase Chain: B: PDB Molecule: 2-keto-3-deoxy-d-manno-octulosonate 8-phosphate PDBTitle: crystal structure of 2-keto-3-deoxyoctulosonate 8-phosphate2 phosphohydrolase from bacteroides thetaiotaomicron
45	c4navB_	Alignment	not modelled	99.4	19	PDB header: hydrolase Chain: B: PDB Molecule: hypothetical protein xcc279; PDBTitle: crystal structure of hypothetical protein xcc2798 from xanthomonas2 campestris, target efi-508608
46	c2kkhA_	Alignment	not modelled	99.4	17	PDB header: metal transport Chain: A: PDB Molecule: putative heavy metal transporter; PDBTitle: structure of the zinc binding domain of the atpase hma4
47	d1kvja_	Alignment	not modelled	99.4	24	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
48	d2b8ea2	Alignment	not modelled	99.3	27	Fold: Metal cation-transporting ATPase, ATP-binding domain N Superfamily: Metal cation-transporting ATPase, ATP-binding domain N Family: Metal cation-transporting ATPase, ATP-binding domain N
49	d1q8la_	Alignment	not modelled	99.3	22	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
50	d1s6ua_	Alignment	not modelled	99.3	24	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
51	c2n7yA_	Alignment	not modelled	99.3	25	PDB header: metal binding protein Chain: A: PDB Molecule: copper-transporting atpase 2; PDBTitle: nmr structure of metal-binding domain 1 of atp7b
52	c2ofgX_	Alignment	not modelled	99.3	22	PDB header: hydrolase, membrane protein Chain: X: PDB Molecule: zinc-transporting atpase; PDBTitle: solution structure of the n-terminal domain of the zinc(ii) atpase2 ziaa in its apo form

53	c3dxsX	Alignment	not modelled	99.3	27	PDB header: hydrolase Chain: X: PDB Molecule: copper-transporting atpase ran1; PDBTitle: crystal structure of a copper binding domain from hma7, a p-2 type atpase
54	d1p6ta2	Alignment	not modelled	99.3	34	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
55	d1rkqa	Alignment	not modelled	99.3	26	Fold: HAD-like Superfamily: HAD-like Family: Predicted hydrolases Cof
56	d1wr8a	Alignment	not modelled	99.3	28	Fold: HAD-like Superfamily: HAD-like Family: Predicted hydrolases Cof
57	d1afia	Alignment	not modelled	99.3	31	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
58	c2l3mA	Alignment	not modelled	99.3	22	PDB header: metal binding protein Chain: A: PDB Molecule: copper-ion-binding protein; PDBTitle: solution structure of the putative copper-ion-binding protein from2 bacillus anthracis str. ames
59	d2b30a1	Alignment	not modelled	99.3	14	Fold: HAD-like Superfamily: HAD-like Family: Predicted hydrolases Cof
60	d2ggpb1	Alignment	not modelled	99.3	23	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
61	c2lqbA	Alignment	not modelled	99.2	30	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 2; PDBTitle: metal binding repeat 2 of the wilson disease protein (atp7b)
62	d1osda	Alignment	not modelled	99.2	33	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
63	d1nnla	Alignment	not modelled	99.2	21	Fold: HAD-like Superfamily: HAD-like Family: Phosphoserine phosphatase
64	d1p6ta1	Alignment	not modelled	99.2	34	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
65	d2qifa1	Alignment	not modelled	99.2	26	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
66	c3m1yA	Alignment	not modelled	99.2	18	PDB header: hydrolase Chain: A: PDB Molecule: phosphoserine phosphatase (serb); PDBTitle: crystal structure of a phosphoserine phosphatase (serb) from2 helicobacter pylori
67	d1l6ra	Alignment	not modelled	99.2	22	Fold: HAD-like Superfamily: HAD-like Family: Predicted hydrolases Cof
68	d2aw0a	Alignment	not modelled	99.2	26	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
69	c2ropA	Alignment	not modelled	99.2	23	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 2; PDBTitle: solution structure of domains 3 and 4 of human atp7b
70	c2kt2A	Alignment	not modelled	99.2	36	PDB header: oxidoreductase Chain: A: PDB Molecule: mercuric reductase; PDBTitle: structure of nmera, the n-terminal hma domain of tn501 mercuric2 reductase
71	c1yjrA	Alignment	not modelled	99.2	24	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 1; PDBTitle: solution structure of the apo form of the sixth soluble2 domain a69p mutant of menkes protein
72	d1cpza	Alignment	not modelled	99.2	34	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
73	c2gcfA	Alignment	not modelled	99.2	37	PDB header: hydrolase Chain: A: PDB Molecule: cation-transporting atpase pacs; PDBTitle: solution structure of the n-terminal domain of the copper(i) atpase2 pacs in its apo form
74	c1y3kA	Alignment	not modelled	99.2	18	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 1; PDBTitle: solution structure of the apo form of the fifth domain of2 menkes protein
75	c3daoB	Alignment	not modelled	99.2	24	PDB header: hydrolase Chain: B: PDB Molecule: putative phosphate; PDBTitle: crystal structure of a putative phosphate (eubrec_1417) from2 eubacterium rectale at 1.80 a resolution
76	c2ofhX	Alignment	not modelled	99.2	25	PDB header: hydrolase, membrane protein Chain: X: PDB Molecule: zinc-transporting atpase; PDBTitle: solution structure of the n-terminal domain of the zinc(ii) atpase2 ziaa in its apo form
77	c2ew9A	Alignment	not modelled	99.2	27	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 2; PDBTitle: solution structure of apowln5-6
78	c2ldiA	Alignment	not modelled	99.2	28	PDB header: hydrolase Chain: A: PDB Molecule: zinc-transporting atpase; PDBTitle: nmr solution structure of ziaan sub mutant
79	c6ff2A	Alignment	not modelled	99.2	32	PDB header: chaperone Chain: A: PDB Molecule: copper chaperone copz; PDBTitle: copz metallochaperone

80	d1j97a_	Alignment	not modelled	99.2	21	Fold: HAD-like Superfamily: HAD-like Family: Phosphoserine phosphatase
81	c1yg0A_	Alignment	not modelled	99.2	14	PDB header: metal transport Chain: A: PDB Molecule: cop associated protein; PDBTitle: solution structure of apo-copp from helicobacter pylori
82	c4zexA_	Alignment	not modelled	99.2	24	PDB header: unknown function Chain: A: PDB Molecule: pfhad1; PDBTitle: crystal structure of pfhad1 in complex with glyceraldehyde-3-phosphate
83	d1mwza_	Alignment	not modelled	99.1	32	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
84	c4y2iA_	Alignment	not modelled	99.1	27	PDB header: metal transport Chain: A: PDB Molecule: putative metal-binding transport protein; PDBTitle: gold ion bound to golb
85	c2ga7A_	Alignment	not modelled	99.1	27	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 1; PDBTitle: solution structure of the copper(i) form of the third metal-2 binding domain of atp7a protein (menkes disease protein)
86	c4u9rA_	Alignment	not modelled	99.1	27	PDB header: hydrolase Chain: A: PDB Molecule: czcp cation efflux p1-atpase; PDBTitle: structure of the n-terminal extension from cupriavidus metallidurans2 czcp
87	c2rogA_	Alignment	not modelled	99.1	37	PDB header: metal binding protein Chain: A: PDB Molecule: heavy metal binding protein; PDBTitle: solution structure of thermus thermophilus hb8 ttha17182 protein in living e. coli cells
88	d1nrwa_	Alignment	not modelled	99.1	32	Fold: HAD-like Superfamily: HAD-like Family: Predicted hydrolases Cof
89	d1rlma_	Alignment	not modelled	99.1	20	Fold: HAD-like Superfamily: HAD-like Family: Predicted hydrolases Cof
90	c2k2pA_	Alignment	not modelled	99.1	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein atu1203; PDBTitle: solution nmr structure of protein atu1203 from agrobacterium2 tumefaciens. northeast structural genomics consortium (nesg) target3 att10, ontario center for structural proteomics target atc1183
91	c2kyzA_	Alignment	not modelled	99.0	22	PDB header: metal binding protein Chain: A: PDB Molecule: heavy metal binding protein; PDBTitle: nmr structure of heavy metal binding protein tm0320 from thermotoga2 maritima
92	c2rmlA_	Alignment	not modelled	99.0	33	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting p-type atpase copa; PDBTitle: solution structure of the n-terminal soluble domains of2 bacillus subtilis copa
93	c6fp6X_	Alignment	not modelled	99.0	15	PDB header: metal binding protein Chain: X: PDB Molecule: copper chaperone for superoxide dismutase; PDBTitle: complex of human cu,zn sod1 with the human copper chaperone for sod12 in a compact conformation
94	c2aj1A_	Alignment	not modelled	99.0	25	PDB header: hydrolase Chain: A: PDB Molecule: probable cadmium-transporting atpase; PDBTitle: solution structure of apocada
95	c3r4cA_	Alignment	not modelled	99.0	34	PDB header: hydrolase Chain: A: PDB Molecule: hydrolase, haloacid dehalogenase-like hydrolase; PDBTitle: divergence of structure and function among phosphatases of the2 haloalkanoate (had) enzyme superfamily: analysis of bt1666 from3 bacteroides thetaiotaomicron
96	d1rkua_	Alignment	not modelled	99.0	17	Fold: HAD-like Superfamily: HAD-like Family: Homoserine kinase ThrH
97	c2qyhD_	Alignment	not modelled	99.0	33	PDB header: structural genomics, unknown function Chain: D: PDB Molecule: hypothetical conserved protein, gk1056; PDBTitle: crystal structure of the hypothetical protein (gk1056) from2 geobacillus kaustophilus hta426
98	c3dnpA_	Alignment	not modelled	99.0	26	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: stress response protein yhax; PDBTitle: crystal structure of stress response protein yhax from bacillus2 subtilis
99	c3fzqA_	Alignment	not modelled	99.0	28	PDB header: hydrolase Chain: A: PDB Molecule: putative hydrolase; PDBTitle: crystal structure of putative haloacid dehalogenase-like hydrolase2 (yp_001086940.1) from clostridium difficile 630 at 2.10 a resolution
100	c3pgvB_	Alignment	not modelled	98.9	25	PDB header: hydrolase Chain: B: PDB Molecule: haloacid dehalogenase-like hydrolase; PDBTitle: crystal structure of a haloacid dehalogenase-like hydrolase2 (kpn_04322) from klebsiella pneumoniae subsp. pneumoniae mgh 78578 at3 2.39 a resolution
101	c3fryB_	Alignment	not modelled	98.9	36	PDB header: hydrolase Chain: B: PDB Molecule: probable copper-exporting p-type atpase a; PDBTitle: crystal structure of the copa c-terminal metal binding domain
102	d1qupa2	Alignment	not modelled	98.9	16	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
103	d1sb6a_	Alignment	not modelled	98.9	26	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
						PDB header: chaperone Chain: A: PDB Molecule: superoxide dismutase 1 copper

104	c1qvpA_	Alignment	not modelled	98.9	17	chaperone; PDBTitle: crystal structure of the copper chaperone for superoxide dismutase
105	c3niwA_	Alignment	not modelled	98.9	34	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: haloacid dehalogenase-like hydrolase; PDBTitle: crystal structure of a haloacid dehalogenase-like hydrolase from 2 bacteroides thetaiotaomicron
106	d2feaa1	Alignment	not modelled	98.8	15	Fold: HAD-like Superfamily: HAD-like Family: MtnX-like
107	c1jk9D_	Alignment	not modelled	98.8	18	PDB header: oxidoreductase Chain: D; PDB Molecule: copper chaperone for superoxide dismutase; PDBTitle: heterodimer between h48f-ysoD1 and yccs
108	d1cc8a_	Alignment	not modelled	98.8	22	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
109	c2crlA_	Alignment	not modelled	98.8	17	PDB header: chaperone Chain: A; PDB Molecule: copper chaperone for superoxide dismutase; PDBTitle: the apo form of hma domain of copper chaperone for 2 superoxide dismutase
110	d2rbka1	Alignment	not modelled	98.8	36	Fold: HAD-like Superfamily: HAD-like Family: Predicted hydrolases Cof
111	d1fe0a_	Alignment	not modelled	98.8	24	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
112	d1wpga4	Alignment	not modelled	98.8	16	Fold: Calcium ATPase, transmembrane domain M Superfamily: Calcium ATPase, transmembrane domain M Family: Calcium ATPase, transmembrane domain M
113	d1nf2a_	Alignment	not modelled	98.7	32	Fold: HAD-like Superfamily: HAD-like Family: Predicted hydrolases Cof
114	c3fvvA_	Alignment	not modelled	98.6	20	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: uncharacterized protein; PDBTitle: the crystal structure of the protein with unknown function from 2 bordetella pertussis tohama i
115	c4b6jA_	Alignment	not modelled	98.5	27	PDB header: hydrolase Chain: A; PDB Molecule: phosphoserine phosphatase; PDBTitle: crystal structure of phosphoserine phosphatase from t.2 onnurineus
116	c3kd3A_	Alignment	not modelled	98.5	15	PDB header: unknown function Chain: A; PDB Molecule: phosphoserine phosphohydrolase-like protein; PDBTitle: crystal structure of a phosphoserine phosphohydrolase-like protein 2 from francisella tularensis subsp. tularensis schu s4
117	d1s2oa1	Alignment	not modelled	98.5	24	Fold: HAD-like Superfamily: HAD-like Family: Predicted hydrolases Cof
118	c3gygA_	Alignment	not modelled	98.5	29	PDB header: hydrolase Chain: A; PDB Molecule: ntd biosynthesis operon putative hydrolase ntdb; PDBTitle: crystal structure of yhkj (haloacid dehalogenase-like hydrolase 2 protein) from bacillus subtilis
119	d1wzca1	Alignment	not modelled	98.4	33	Fold: HAD-like Superfamily: HAD-like Family: Predicted hydrolases Cof
120	d1q3ia_	Alignment	not modelled	98.3	13	Fold: Metal cation-transporting ATPase, ATP-binding domain N Superfamily: Metal cation-transporting ATPase, ATP-binding domain N Family: Metal cation-transporting ATPase, ATP-binding domain N