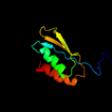
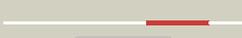
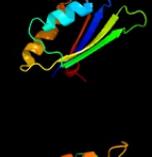
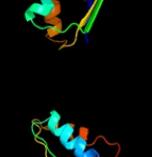


# Phyre2

Email [mdejesus@rockefeller.edu](mailto:mdejesus@rockefeller.edu)  
 Description RVBD1811\_(mgtC)\_2053450\_2054154  
 Date Fri Aug 2 13:30:42 BST 2019  
 Unique Job ID c7ef0b31138e3b35

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c2lqjA_</a>	 Alignment		99.5	100	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> mg2+ transport protein; <b>PDBTitle:</b> solution structure of the c-terminal domain of the mgtc protein from2 mycobacterium tuberculosis
2	<a href="#">c3ibwA_</a>	 Alignment		97.2	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> gtp pyrophosphokinase; <b>PDBTitle:</b> crystal structure of the act domain from gtp pyrophosphokinase of2 chlorobium tepidum. northeast structural genomics consortium target3 ctr148a
3	<a href="#">d1u8sa2</a>	 Alignment		96.2	13	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> Glycine cleavage system transcriptional repressor
4	<a href="#">c2lvwA_</a>	 Alignment		95.4	14	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetolactate synthase isozyme 1 small subunit; <b>PDBTitle:</b> solution nmr studies of the dimeric regulatory subunit ilvN of the2 e.coli acetohydroxyacid synthase i (ahas i)
5	<a href="#">d1sc6a3</a>	 Alignment		93.1	7	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> Phosphoglycerate dehydrogenase, regulatory (C-terminal) domain
6	<a href="#">d1ygya3</a>	 Alignment		93.1	6	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> Phosphoglycerate dehydrogenase, regulatory (C-terminal) domain
7	<a href="#">c1y7pB_</a>	 Alignment		92.9	5	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> hypothetical protein af1403; <b>PDBTitle:</b> 1.9 a crystal structure of a protein of unknown function2 af1403 from archaeoglobus fulgidus, probable metabolic3 regulator
8	<a href="#">d1phza1</a>	 Alignment		92.7	20	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> Phenylalanine metabolism regulatory domain
9	<a href="#">d2qmwa2</a>	 Alignment		92.6	12	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> Phenylalanine metabolism regulatory domain
10	<a href="#">c4lubA_</a>	 Alignment		91.7	10	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> putative prephenate dehydratase; <b>PDBTitle:</b> x-ray structure of prephenate dehydratase from streptococcus mutans
11	<a href="#">d2f1fa1</a>	 Alignment		89.1	14	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> ilvH-like

12	<a href="#">c2fgcA_</a>	Alignment		88.7	10	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetolactate synthase, small subunit; <b>PDBTitle:</b> crystal structure of acetolactate synthase- small subunit from2 thermotoga maritima
13	<a href="#">c2pnmA_</a>	Alignment		88.0	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> protein (phenylalanine-4-hydroxylase); <b>PDBTitle:</b> structure of phenylalanine hydroxylase dephosphorylated
14	<a href="#">c2f1fA_</a>	Alignment		87.0	14	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetolactate synthase isozyme iii small subunit; <b>PDBTitle:</b> crystal structure of the regulatory subunit of acetoxyacid2 synthase isozyme iii from e. coli
15	<a href="#">d2fgca2</a>	Alignment		86.6	11	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> IlvH-like
16	<a href="#">d2pc6a2</a>	Alignment		86.4	12	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> IlvH-like
17	<a href="#">d1rwua_</a>	Alignment		85.4	14	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> YbeD/HP0495-like <b>Family:</b> YbeD-like
18	<a href="#">c1rwuA_</a>	Alignment		85.4	14	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical upf0250 protein ybed; <b>PDBTitle:</b> solution structure of conserved protein ybed from e. coli
19	<a href="#">d1zpv1</a>	Alignment		84.8	10	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> SP0238-like
20	<a href="#">c3mwbA_</a>	Alignment		84.7	20	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> prephenate dehydratase; <b>PDBTitle:</b> the crystal structure of prephenate dehydratase in complex with l-phe2 from arthrobacter aurescens to 2.0a
21	<a href="#">c2qmwA_</a>	Alignment	not modelled	83.2	12	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> prephenate dehydratase; <b>PDBTitle:</b> the crystal structure of the prephenate dehydratase (pdt) from2 staphylococcus aureus subsp. aureus mu50
22	<a href="#">c2pc6C_</a>	Alignment	not modelled	82.6	13	<b>PDB header:</b> lyase <b>Chain:</b> C: <b>PDB Molecule:</b> probable acetolactate synthase isozyme iii (small subunit); <b>PDBTitle:</b> crystal structure of putative acetolactate synthase- small subunit2 from nitrosomonas europaea
23	<a href="#">c5denA_</a>	Alignment	not modelled	81.2	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> phenylalanine-4-hydroxylase; <b>PDBTitle:</b> the first structure of a full-length mammalian phenylalanine2 hydroxylase reveals the architecture of an auto-inhibited tetramer
24	<a href="#">c6mk7A_</a>	Alignment	not modelled	80.2	13	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> cell division protein ftsx; <b>PDBTitle:</b> solution structure of the large extracellular loop of ftsx in2 streptococcus pneumoniae
25	<a href="#">c5jk5A_</a>	Alignment	not modelled	73.3	13	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> phenylalanine-4-hydroxylase; <b>PDBTitle:</b> phenylalanine hydroxylase from dictyostelium - bh2 complex
26	<a href="#">c1ygyA_</a>	Alignment	not modelled	72.7	9	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> d-3-phosphoglycerate dehydrogenase; <b>PDBTitle:</b> crystal structure of d-3-phosphoglycerate dehydrogenase from2 mycobacterium tuberculosis
27	<a href="#">c2mdaB_</a>	Alignment	not modelled	70.0	11	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> tyrosine 3-monooxygenase; <b>PDBTitle:</b> the solution structure of the regulatory domain of tyrosine2 hydroxylase
28	<a href="#">c2qmvB_</a>	Alignment	not modelled	64.9	12	<b>PDB header:</b> ligase <b>Chain:</b> B: <b>PDB Molecule:</b> prephenate dehydratase;

28	<a href="#">c2qmxu</a>	Alignment	not modelled	64.3	12	<b>PDBTitle:</b> the crystal structure of l-phe inhibited prephenate dehydratase from <i>2 chlorobium tepidum</i> t1s <b>PDB header:</b> membrane protein
29	<a href="#">c4n8oA</a>	Alignment	not modelled	64.3	21	<b>Chain:</b> A; <b>PDB Molecule:</b> cell division protein ftsx; <b>PDBTitle:</b> crystal structure of mycobacterial ftsx extracellular domain, bromide2 derivative
30	<a href="#">c4qo6A</a>	Alignment	not modelled	50.8	17	<b>PDB header:</b> structural protein <b>Chain:</b> A; <b>PDB Molecule:</b> adenylate cyclase-like protein; <b>PDBTitle:</b> structural studies of cdsd, a structural protein of the type iii2 secretion system (tts) of <i>chlamydia trachomatis</i>
31	<a href="#">c3n0vD</a>	Alignment	not modelled	47.0	2	<b>PDB header:</b> hydrolase <b>Chain:</b> D; <b>PDB Molecule:</b> formyltetrahydrofolate deformylase; <b>PDBTitle:</b> crystal structure of a formyltetrahydrofolate deformylase (pp_0327)2 from <i>pseudomonas putida</i> kt2440 at 2.25 a resolution
32	<a href="#">c2yy3B</a>	Alignment	not modelled	46.7	8	<b>PDB header:</b> translation <b>Chain:</b> B; <b>PDB Molecule:</b> elongation factor 1-beta; <b>PDBTitle:</b> crystal structure of translation elongation factor ef-1 beta from <i>2 pyrococcus horikoshii</i>
33	<a href="#">d2cg4a2</a>	Alignment	not modelled	44.5	10	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> Dimeric alpha+beta barrel <b>Family:</b> Lrp/AsnC-like transcriptional regulator C-terminal domain
34	<a href="#">c3luyA</a>	Alignment	not modelled	44.4	8	<b>PDB header:</b> isomerase <b>Chain:</b> A; <b>PDB Molecule:</b> probable chorismate mutase; <b>PDBTitle:</b> putative chorismate mutase from <i>bifidobacterium adolescentis</i>
35	<a href="#">c1u8sB</a>	Alignment	not modelled	40.8	12	<b>PDB header:</b> transcription <b>Chain:</b> B; <b>PDB Molecule:</b> glycine cleavage system transcriptional <b>PDBTitle:</b> crystal structure of putative glycine cleavage system2 transcriptional repressor
36	<a href="#">d2cyya2</a>	Alignment	not modelled	37.4	14	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> Dimeric alpha+beta barrel <b>Family:</b> Lrp/AsnC-like transcriptional regulator C-terminal domain
37	<a href="#">c4f3qA</a>	Alignment	not modelled	34.7	16	<b>PDB header:</b> transcription <b>Chain:</b> A; <b>PDB Molecule:</b> transcriptional regulatory protein cbu_1566; <b>PDBTitle:</b> structure of a yebc family protein (cbu_1566) from <i>coxiella burnetii</i>
38	<a href="#">d2joqa1</a>	Alignment	not modelled	33.4	8	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> YbeD/HP0495-like <b>Family:</b> HP0495-like
39	<a href="#">c3k5pA</a>	Alignment	not modelled	28.0	10	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> d-3-phosphoglycerate dehydrogenase; <b>PDBTitle:</b> crystal structure of amino acid-binding act: d-isomer specific 2-2 hydroxyacid dehydrogenase catalytic domain from <i>brucella melitensis</i>
40	<a href="#">d1u8sa1</a>	Alignment	not modelled	27.5	13	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> Glycine cleavage system transcriptional repressor
41	<a href="#">c2bj3D</a>	Alignment	not modelled	24.4	9	<b>PDB header:</b> transcription <b>Chain:</b> D; <b>PDB Molecule:</b> nickel responsive regulator; <b>PDBTitle:</b> nikr-apo
42	<a href="#">c2ew9A</a>	Alignment	not modelled	24.1	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> copper-transporting atpase 2; <b>PDBTitle:</b> solution structure of apowln5-6
43	<a href="#">d1kona</a>	Alignment	not modelled	23.9	12	<b>Fold:</b> YebC-like <b>Superfamily:</b> YebC-like <b>Family:</b> YebC-like
44	<a href="#">c2jxsA</a>	Alignment	not modelled	23.7	11	<b>PDB header:</b> chaperone <b>Chain:</b> A; <b>PDB Molecule:</b> protein napd; <b>PDBTitle:</b> solution structure of the e. coli tat proofreading2 chaperone protein napd
45	<a href="#">c4g1uB</a>	Alignment	not modelled	22.8	25	<b>PDB header:</b> transport protein/hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> hemin transport system permease protein hmuu; <b>PDBTitle:</b> x-ray structure of the bacterial heme transporter hmuuv from <i>yersinia2 pestis</i>
46	<a href="#">d1q5ya</a>	Alignment	not modelled	21.1	11	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> Nickel responsive regulator NikR, C-terminal domain
47	<a href="#">c2nuuF</a>	Alignment	not modelled	20.8	20	<b>PDB header:</b> transport protein/signaling protein <b>Chain:</b> F; <b>PDB Molecule:</b> ammonia channel; <b>PDBTitle:</b> regulating the escherichia coli ammonia channel: the crystal structure2 of the amtb-glnk complex
48	<a href="#">c1q5vB</a>	Alignment	not modelled	19.5	10	<b>PDB header:</b> transcription <b>Chain:</b> B; <b>PDB Molecule:</b> nickel responsive regulator; <b>PDBTitle:</b> apo-nikr
49	<a href="#">d1lfpA</a>	Alignment	not modelled	18.3	9	<b>Fold:</b> YebC-like <b>Superfamily:</b> YebC-like <b>Family:</b> YebC-like
50	<a href="#">c5a40C</a>	Alignment	not modelled	18.1	15	<b>PDB header:</b> transport protein <b>Chain:</b> C; <b>PDB Molecule:</b> putative fluoride ion transporter crcb; <b>PDBTitle:</b> crystal structure of a dual topology fluoride ion channel.
51	<a href="#">d2nzca1</a>	Alignment	not modelled	16.9	11	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> TM1266-like
52	<a href="#">c2ltmA</a>	Alignment	not modelled	16.4	18	<b>PDB header:</b> electron transport <b>Chain:</b> A; <b>PDB Molecule:</b> nfu1 iron-sulfur cluster scaffold homolog, mitochondrial; <b>PDBTitle:</b> solution nmr structure of nfu1 iron-sulfur cluster scaffold homolog2 from homo sapiens, northeast structural genomics consortium (nesg)3 target hr2876b
53	<a href="#">c4czdD</a>	Alignment	not modelled	16.2	6	<b>PDB header:</b> lyase <b>Chain:</b> D; <b>PDB Molecule:</b> putative transcriptional regulator, asnc family; <b>PDBTitle:</b> sirohaem decarboxylase ahba/b - an enzyme with

						structural homology2 to the lrp/asnc transcription factor family that is part of the3 alternative haem biosynthesis pathway.
54	<a href="#">c6hwhB_</a>	Alignment	not modelled	15.1	11	<b>PDB header:</b> electron transport <b>Chain:</b> B: <b>PDB Molecule:</b> ubiquinol-cytochrome c reductase iron-sulfur subunit; <b>PDBTitle:</b> structure of a functional obligate respiratory supercomplex from2 mycobacterium smegmatis
55	<a href="#">c6p2rB_</a>	Alignment	not modelled	14.7	10	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> dolichyl-phosphate-mannose--protein mannosyltransferase 2; <b>PDBTitle:</b> structure of s. cerevisiae protein o-mannosyltransferase pmt1-pmt22 complex bound to the sugar donor
56	<a href="#">c2e1cA_</a>	Alignment	not modelled	14.3	14	<b>PDB header:</b> transcription/dna <b>Chain:</b> A: <b>PDB Molecule:</b> putative hth-type transcriptional regulator ph1519; <b>PDBTitle:</b> structure of putative hth-type transcriptional regulator ph1519/dna2 complex
57	<a href="#">d1gh8a_</a>	Alignment	not modelled	13.8	16	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> eEF-1beta-like <b>Family:</b> eEF-1beta-like
58	<a href="#">c2k1hA_</a>	Alignment	not modelled	13.5	15	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein ser13; <b>PDBTitle:</b> solution nmr structure of ser13 from staphylococcus epidermidis.2 northeast structural genomics consortium target ser13
59	<a href="#">c2mi2A_</a>	Alignment	not modelled	13.3	16	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> sec-independent protein translocase protein tatb; <b>PDBTitle:</b> solution structure of the e. coli tatb protein in dpc micelles
60	<a href="#">c2vbzA_</a>	Alignment	not modelled	13.0	18	<b>PDB header:</b> dna-binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulatory protein; <b>PDBTitle:</b> feast or famine regulatory protein (rv3291c)from m.2 tuberculosis complexed with l-tryptophan
61	<a href="#">c2dtjA_</a>	Alignment	not modelled	13.0	7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> aspartokinase; <b>PDBTitle:</b> crystal structure of regulatory subunit of aspartate kinase2 from corynebacterium glutamicum
62	<a href="#">c4alzA_</a>	Alignment	not modelled	12.8	11	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> yop proteins translocation protein d; <b>PDBTitle:</b> the yersinia t3ss basal body component yscd reveals a different2 structural periplasmic domain organization to known homologue prgh
63	<a href="#">d2ffma1</a>	Alignment	not modelled	12.5	11	<b>Fold:</b> Hypothetical protein SAV1430 <b>Superfamily:</b> Hypothetical protein SAV1430 <b>Family:</b> Hypothetical protein SAV1430
64	<a href="#">c2cg4B_</a>	Alignment	not modelled	12.2	11	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> regulatory protein asnc; <b>PDBTitle:</b> structure of e.coli asnc
65	<a href="#">d1ilga2</a>	Alignment	not modelled	12.2	10	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> Dimeric alpha+beta barrel <b>Family:</b> Lrp/AsnC-like transcriptional regulator C-terminal domain
66	<a href="#">c6exxA_</a>	Alignment	not modelled	12.2	9	<b>PDB header:</b> rna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> protein pes4; <b>PDBTitle:</b> crystal structure of pes4 rrm4
67	<a href="#">c3o1lB_</a>	Alignment	not modelled	11.9	9	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> formyltetrahydrofolate deformylase; <b>PDBTitle:</b> crystal structure of a formyltetrahydrofolate deformylase (pspto_4314)2 from pseudomonas syringae pv. tomato str. dc3000 at 2.20 a resolution
68	<a href="#">c5nwwA_</a>	Alignment	not modelled	11.8	31	<b>PDB header:</b> viral protein <b>Chain:</b> A: <b>PDB Molecule:</b> scrfp-tag, gp41; <b>PDBTitle:</b> nmr assignment and structure of a peptide derived from the fusion2 peptide of hiv-1 gp41 in the presence of dodecylphosphocholine3 micelles
69	<a href="#">c6fu9A_</a>	Alignment	not modelled	11.4	8	<b>PDB header:</b> antifungal protein <b>Chain:</b> A: <b>PDB Molecule:</b> nbs-lrr class disease resistance protein; <b>PDBTitle:</b> complex of rice blast (magnaporthe oryzae) effector protein avr-pikd2 with the hma domain of pikm-1 from rice (oryza sativa)
70	<a href="#">c5zneA_</a>	Alignment	not modelled	10.6	11	<b>PDB header:</b> plant protein <b>Chain:</b> A: <b>PDB Molecule:</b> nbs-lrr type protein; <b>PDBTitle:</b> the crystal structure of immune receptor rga5a_s of resistance protein2 pia from rice (oryza sativa)
71	<a href="#">c3louB_</a>	Alignment	not modelled	10.5	11	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> formyltetrahydrofolate deformylase; <b>PDBTitle:</b> crystal structure of formyltetrahydrofolate deformylase (yp_105254.1)2 from burkholderia mallei atcc 23344 at 1.90 a resolution
72	<a href="#">d2guka1</a>	Alignment	not modelled	10.2	23	<b>Fold:</b> PG1857-like <b>Superfamily:</b> PG1857-like <b>Family:</b> PG1857-like
73	<a href="#">d1lk5a2</a>	Alignment	not modelled	9.6	20	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> D-ribose-5-phosphate isomerase (RpiA), lid domain <b>Family:</b> D-ribose-5-phosphate isomerase (RpiA), lid domain
74	<a href="#">c5svtA_</a>	Alignment	not modelled	9.5	18	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> p2x purinoceptor 3; <b>PDBTitle:</b> anomalous cs+ signal reveals the site of na+ ion entry to the channel2 pore of the human p2x3 ion channel through the extracellular3 fenestrations
75	<a href="#">d2qifa1</a>	Alignment	not modelled	9.5	25	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> HMA, heavy metal-associated domain <b>Family:</b> HMA, heavy metal-associated domain
76	<a href="#">c2e7xA_</a>	Alignment	not modelled	9.3	15	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> 150aa long hypothetical transcriptional regulator; <b>PDBTitle:</b> structure of the lrp/asnc like transcriptional regulator from2 sulfolobus tokodaii 7 complexed with its cognate ligand
						<b>PDB header:</b> transport protein

77	<a href="#">c5a43B_</a>	Alignment	not modelled	9.2	11	<b>Chain:</b> B: <b>PDB Molecule:</b> putative fluoride ion transporter crcb; <b>PDBTitle:</b> crystal structure of a dual topology fluoride ion channel.
78	<a href="#">d1o8ba2</a>	Alignment	not modelled	8.6	15	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> D-ribose-5-phosphate isomerase (RpiA), lid domain <b>Family:</b> D-ribose-5-phosphate isomerase (RpiA), lid domain
79	<a href="#">c2ls4A_</a>	Alignment	not modelled	8.4	28	<b>PDB header:</b> metal transport <b>Chain:</b> A: <b>PDB Molecule:</b> high affinity copper uptake protein 1; <b>PDBTitle:</b> 1h chemical shift assignments for the third transmembrane domain from2 the human copper transport 1
80	<a href="#">c6iu3A_</a>	Alignment	not modelled	8.2	17	<b>PDB header:</b> metal transport <b>Chain:</b> A: <b>PDB Molecule:</b> vit1; <b>PDBTitle:</b> crystal structure of iron transporter vit1 with zinc ions
81	<a href="#">c2e1aD_</a>	Alignment	not modelled	8.2	10	<b>PDB header:</b> transcription <b>Chain:</b> D: <b>PDB Molecule:</b> 75aa long hypothetical regulatory protein asnc; <b>PDBTitle:</b> crystal structure of ffrp-dm1
82	<a href="#">c3s1tB_</a>	Alignment	not modelled	7.9	6	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> aspartokinase; <b>PDBTitle:</b> structure of the regulatory domain of aspartokinase (rv3709c; ak-beta)2 in complex with threonine from mycobacterium tuberculosis
83	<a href="#">d2bj7a2</a>	Alignment	not modelled	7.9	10	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> Nickel responsive regulator NikR, C-terminal domain
84	<a href="#">c5a6wA_</a>	Alignment	not modelled	7.8	11	<b>PDB header:</b> antiviral protein <b>Chain:</b> A: <b>PDB Molecule:</b> resistance protein pikp-1; <b>PDBTitle:</b> complex of rice blast (magnaporthe oryzae) effector protein avr-pikd2 with the hma domain of pikp1 from rice (oryza sativa)
85	<a href="#">c2djwF_</a>	Alignment	not modelled	7.8	10	<b>PDB header:</b> unknown function <b>Chain:</b> F: <b>PDB Molecule:</b> probable transcriptional regulator, asnc family; <b>PDBTitle:</b> crystal structure of ttha0845 from thermus thermophilus hb8
86	<a href="#">d1p6ta2</a>	Alignment	not modelled	7.7	16	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> HMA, heavy metal-associated domain <b>Family:</b> HMA, heavy metal-associated domain
87	<a href="#">c2ga7A_</a>	Alignment	not modelled	7.6	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> copper-transporting atpase 1; <b>PDBTitle:</b> solution structure of the copper(i) form of the third metal-2 binding domain of atp7a protein (menkes disease protein)
88	<a href="#">c2y3yC_</a>	Alignment	not modelled	7.6	11	<b>PDB header:</b> transcription <b>Chain:</b> C: <b>PDB Molecule:</b> putative nickel-responsive regulator; <b>PDBTitle:</b> holo-ni(ii) hpnikr is a symmetric tetramer containing four canonic2 square-planar ni(ii) ions at physiological ph
89	<a href="#">c4k0eA_</a>	Alignment	not modelled	7.6	12	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> heavy metal cation tricomponent efflux pump znea(czca- <b>PDBTitle:</b> x-ray crystal structure of a heavy metal efflux pump, crystal form ii
90	<a href="#">c2pjmA_</a>	Alignment	not modelled	7.5	19	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> ribose-5-phosphate isomerase a; <b>PDBTitle:</b> structure of ribose 5-phosphate isomerase a from2 methanocaldococcus jannaschii
91	<a href="#">c5f1cA_</a>	Alignment	not modelled	7.5	32	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> putative uncharacterized protein; <b>PDBTitle:</b> crystal structure of an invertebrate p2x receptor from the gulf coast2 tick in the presence of atp and zn2+ ion at 2.9 angstroms
92	<a href="#">c1lk5C_</a>	Alignment	not modelled	7.3	15	<b>PDB header:</b> isomerase <b>Chain:</b> C: <b>PDB Molecule:</b> d-ribose-5-phosphate isomerase; <b>PDBTitle:</b> structure of the d-ribose-5-phosphate isomerase from2 pyrococcus horikoshii
93	<a href="#">c6cfwB_</a>	Alignment	not modelled	7.2	14	<b>PDB header:</b> membrane protein <b>Chain:</b> B: <b>PDB Molecule:</b> monovalent cation/h+ antiporter subunit f; <b>PDBTitle:</b> cryoem structure of a respiratory membrane-bound hydrogenase
94	<a href="#">c2zbcH_</a>	Alignment	not modelled	7.1	15	<b>PDB header:</b> transcription <b>Chain:</b> H: <b>PDB Molecule:</b> 83aa long hypothetical transcriptional regulator asnc; <b>PDBTitle:</b> crystal structure of sts042, a stand-alone ram module protein, from2 hyperthermophilic archaeon sulfobolus tokodaii strain7.
95	<a href="#">c3nrbdD_</a>	Alignment	not modelled	7.1	7	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> formyltetrahydrofolate deformylase; <b>PDBTitle:</b> crystal structure of a formyltetrahydrofolate deformylase (puru,2 pp_1943) from pseudomonas putida kt2440 at 2.05 a resolution
96	<a href="#">c2lj3mA_</a>	Alignment	not modelled	7.0	16	<b>PDB header:</b> metal binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> copper-ion-binding protein; <b>PDBTitle:</b> solution structure of the putative copper-ion-binding protein from2 bacillus anthracis str. ames
97	<a href="#">c5o7jA_</a>	Alignment	not modelled	6.8	30	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> histidine kinase; <b>PDBTitle:</b> structural insights into the periplasmic sensor domain of the gacs2 histidine kinase controlling biofilm formation in pseudomonas3 aeruginosa
98	<a href="#">c2crlA_</a>	Alignment	not modelled	6.7	13	<b>PDB header:</b> chaperone <b>Chain:</b> A: <b>PDB Molecule:</b> copper chaperone for superoxide dismutase; <b>PDBTitle:</b> the apo form of hma domain of copper chaperone for2 superoxide dismutase
99	<a href="#">c2kncA_</a>	Alignment	not modelled	6.6	11	<b>PDB header:</b> cell adhesion <b>Chain:</b> A: <b>PDB Molecule:</b> integrin alpha-iiib; <b>PDBTitle:</b> platelet integrin alpha-iiib-beta3 transmembrane-cytoplasmic2 heterocomplex