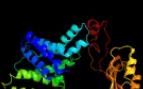
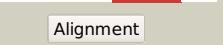
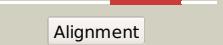
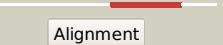
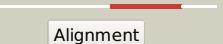
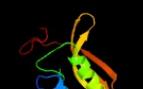


# Phyre<sup>2</sup>

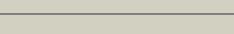
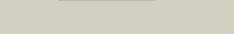
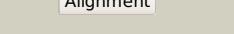
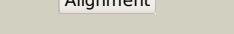
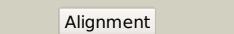
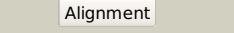
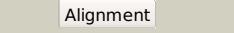
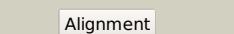
Email	mdejesus@rockefeller.edu
Description	RVBD2262c_(-)_2534480_2535562
Date	Mon Aug 5 13:25:40 BST 2019
Unique Job ID	d004172d13c0d884

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5n6mA_			100.0	24	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> apolipoprotein n-acyltransferase; <b>PDBTitle:</b> structure of the membrane integral lipoprotein n-acyltransferase Int2 from <i>p. aeruginosa</i>
2	c5vrhA_			100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> apolipoprotein n-acyltransferase; <b>PDBTitle:</b> apolipoprotein n-acyltransferase c387s active site mutant
3	c2w1vA_			99.7	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> nitrilase homolog 2; <b>PDBTitle:</b> crystal structure of mouse nitrilase-2 at 1.4a resolution
4	d1uf5a_			99.7	19	<b>Fold:</b> Carbon-nitrogen hydrolase <b>Superfamily:</b> Carbon-nitrogen hydrolase <b>Family:</b> Carbamilate
5	c2e11B_			99.7	22	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> hydrolase; <b>PDBTitle:</b> the crystal structure of xc1258 from <i>xanthomonas campestris</i> : a cn-2 hydrolase superfamily protein with an arsenic adduct in the active3 site
6	c5khaA_			99.7	21	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> glutamine-dependent nad+ synthetase; <b>PDBTitle:</b> structure of glutamine-dependent nad+ synthetase from <i>acinetobacter2 baumannii</i> in complex with adenosine diphosphate (adp)
7	d1lemsa2			99.7	12	<b>Fold:</b> Carbon-nitrogen hydrolase <b>Superfamily:</b> Carbon-nitrogen hydrolase <b>Family:</b> Nitrilase
8	c5h8IM_			99.7	24	<b>PDB header:</b> hydrolase <b>Chain:</b> M: <b>PDB Molecule:</b> n-carbamoylputrescine amidohydrolase; <b>PDBTitle:</b> crystal structure of <i>medicago truncatula</i> n-carbamoylputrescine2 amidohydrolase (mtcpa) c158s mutant in complex with putrescine
9	c1emsB_			99.7	13	<b>PDB header:</b> antitumor protein <b>Chain:</b> B: <b>PDB Molecule:</b> nit-fragile histidine triad fusion protein; <b>PDBTitle:</b> crystal structure of the <i>c. elegans</i> nitfhit protein
10	c3hkxA_			99.7	22	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> amidase; <b>PDBTitle:</b> crystal structure analysis of an amidase from <i>nesterenkonia sp.</i>
11	d1j31a_			99.7	23	<b>Fold:</b> Carbon-nitrogen hydrolase <b>Superfamily:</b> Carbon-nitrogen hydrolase <b>Family:</b> Carbamilate

12	<a href="#">c3wuyA</a>	Alignment		99.7	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> nitrilase; <b>PDBTitle:</b> crystal structure of nit6803
13	<a href="#">c5hyyA</a>	Alignment		99.7	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> ntalp; <b>PDBTitle:</b> crystal structure of n-terminal amidase
14	<a href="#">c3dlaD</a>	Alignment		99.6	24	<b>PDB header:</b> ligase <b>Chain:</b> D: <b>PDB Molecule:</b> glutamine-dependent nad(+) synthetase; <b>PDBTitle:</b> x-ray crystal structure of glutamine-dependent nad+ synthetase from2 mycobacterium tuberculosis bound to naad+ and don
15	<a href="#">c4hg3C</a>	Alignment		99.6	18	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> probable hydrolase nit2; <b>PDBTitle:</b> structural insights into yeast nit2: wild-type yeast nit2 in complex2 with alpha-ketoglutarate
16	<a href="#">c2plqA</a>	Alignment		99.6	23	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> aliphatic amidase; <b>PDBTitle:</b> crystal structure of the amidase from geobacillus pallidus rapc8
17	<a href="#">c2vhfG</a>	Alignment		99.6	19	<b>PDB header:</b> hydrolase <b>Chain:</b> G: <b>PDB Molecule:</b> cg3027-pa; <b>PDBTitle:</b> crystal structure of a pyrimidine degrading enzyme from2 drosophila melanogaster
18	<a href="#">c6ftqA</a>	Alignment		99.6	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> beta-ureidopropionase; <b>PDBTitle:</b> crystal structure of human beta-ureidopropionase (beta-alanine2 synthase) - mutant t299c
19	<a href="#">c4f4hA</a>	Alignment		99.6	24	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> glutamine dependent nad+ synthetase; <b>PDBTitle:</b> crystal structure of a glutamine dependent nad+ synthetase from2 burkholderia thailandensis
20	<a href="#">c3ilvA</a>	Alignment		99.6	12	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> glutamine-dependent nad(+) synthetase; <b>PDBTitle:</b> crystal structure of a glutamine-dependent nad(+) synthetase2 from cytophaga hutchinsonii
21	<a href="#">d1f89a</a>	Alignment	not modelled	99.6	21	<b>Fold:</b> Carbon-nitrogen hydrolase <b>Superfamily:</b> Carbon-nitrogen hydrolase <b>Family:</b> Nitrilase
22	<a href="#">c2vhfA</a>	Alignment	not modelled	99.6	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> cg3027-pa; <b>PDBTitle:</b> crystal structure of a pyrimidine degrading enzyme from2 drosophila melanogaster
23	<a href="#">c3n05B</a>	Alignment	not modelled	99.6	21	<b>PDB header:</b> ligase <b>Chain:</b> B: <b>PDB Molecule:</b> nh(3)-dependent nad(+) synthetase; <b>PDBTitle:</b> crystal structure of nh3-dependent nad+ synthetase from streptomyces2 avermitilis
24	<a href="#">c6i00C</a>	Alignment	not modelled	99.6	25	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> bifunctional nitrilase/nitrile hydratase nit4; <b>PDBTitle:</b> cryo-em informed directed evolution of nitrilase 4 leads to a change2 in quaternary structure.
25	<a href="#">c2e2kC</a>	Alignment	not modelled	99.5	17	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> formamidase; <b>PDBTitle:</b> helicobacter pylori formamidase amif contains a fine-tuned cysteine-2 glutamate-lysine catalytic triad
26	<a href="#">c6mg6D</a>	Alignment	not modelled	99.5	15	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> carbon-nitrogen hydrolase; <b>PDBTitle:</b> crystal structure of carbon-nitrogen hydrolase from helicobacter2 pylori g27
27	<a href="#">c4cyyA</a>	Alignment	not modelled	99.5	20	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> pantetheinase; <b>PDBTitle:</b> the structure of vanin-1: defining the link between metabolic disease,2 oxidative stress and inflammation
28	<a href="#">d1ejia</a>	Alignment	not modelled	63.8	26	<b>Fold:</b> PLP-dependent transferase-like <b>Superfamily:</b> PLP-dependent transferases <b>Family:</b> GABA-aminotransferase-like <b>PDB header:</b> protein transport

29	<a href="#">c6ic4I</a>	Alignment	not modelled	61.5	15	<b>Chain: I: PDB Molecule:</b> abc transporter atp-binding protein; <b>PDBTitle:</b> cryo-em structure of the a. baumannii mla complex at 8.7 a resolution
30	<a href="#">c3n8hA</a>	Alignment	not modelled	59.6	14	<b>PDB header:</b> ligase <b>Chain: A: PDB Molecule:</b> pantothenate synthetase; <b>PDBTitle:</b> crystal structure of pantoate-beta-alanine ligase from francisella2 tularensis
31	<a href="#">c3gfoA</a>	Alignment	not modelled	59.4	11	<b>PDB header:</b> atp binding protein <b>Chain: A: PDB Molecule:</b> cobalt import atp-binding protein cbio 1; <b>PDBTitle:</b> structure of cbio1 from clostridium perfringens: part of the abc2 transporter complex cbiong.
32	<a href="#">d1g2912</a>	Alignment	not modelled	58.7	9	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> ABC transporter ATPase domain-like
33	<a href="#">c5y0tD</a>	Alignment	not modelled	56.8	11	<b>PDB header:</b> ligase <b>Chain: D: PDB Molecule:</b> thermotoga maritima tmcal; <b>PDBTitle:</b> crystal structure of thermotoga maritima tmcal bound with alpha-thio2 atp(form ii)
34	<a href="#">d1v43a3</a>	Alignment	not modelled	53.7	12	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> ABC transporter ATPase domain-like
35	<a href="#">c1vcia</a>	Alignment	not modelled	53.0	12	<b>PDB header:</b> transport protein <b>Chain: A: PDB Molecule:</b> sugar-binding transport atp-binding protein; <b>PDBTitle:</b> crystal structure of the atp-binding cassette of multisugar2 transporter from pyrococcus horikoshii ot3 complexed with3 atp
36	<a href="#">c3uk2B</a>	Alignment	not modelled	50.7	16	<b>PDB header:</b> ligase <b>Chain: B: PDB Molecule:</b> pantothenate synthetase; <b>PDBTitle:</b> the structure of pantothenate synthetase from burkholderia2 thailandensis
37	<a href="#">c5b57D</a>	Alignment	not modelled	50.6	12	<b>PDB header:</b> metal transport <b>Chain: D: PDB Molecule:</b> hemin import atp-binding protein hmuv; <b>PDBTitle:</b> inward-facing conformation of abc heme importer bhuv from2 burkholderia cenocepacia
38	<a href="#">d1v8fa</a>	Alignment	not modelled	47.9	16	<b>Fold:</b> Adenine nucleotide alpha hydrolase-like <b>Superfamily:</b> Nucleotidyl transferase <b>Family:</b> Pantothenate synthetase (Pantoate-beta-alanine ligase, PanC)
39	<a href="#">c4mycC</a>	Alignment	not modelled	47.6	8	<b>PDB header:</b> transport protein <b>Chain: C: PDB Molecule:</b> iron-sulfur clusters transporter atm1, mitochondrial; <b>PDBTitle:</b> structure of the mitochondrial abc transporter, atm1
40	<a href="#">c2ejcA</a>	Alignment	not modelled	46.5	16	<b>PDB header:</b> ligase <b>Chain: A: PDB Molecule:</b> pantoate--beta-alanine ligase; <b>PDBTitle:</b> crystal structure of pantoate--beta-alanine ligase (panc)2 from thermotoga maritima
41	<a href="#">d2awna2</a>	Alignment	not modelled	46.5	11	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> ABC transporter ATPase domain-like
42	<a href="#">c5d95A</a>	Alignment	not modelled	46.1	17	<b>PDB header:</b> transferase <b>Chain: A: PDB Molecule:</b> aminotransferase class-iii; <b>PDBTitle:</b> structure of thermostable omega-transaminase
43	<a href="#">d1yexa1</a>	Alignment	not modelled	45.4	16	<b>Fold:</b> Thioredoxin fold <b>Superfamily:</b> Thioredoxin-like <b>Family:</b> Glutathione peroxidase-like
44	<a href="#">c1q1bD</a>	Alignment	not modelled	45.2	11	<b>PDB header:</b> transport protein <b>Chain: D: PDB Molecule:</b> maltose/maltodextrin transport atp-binding protein malk; <b>PDBTitle:</b> crystal structure of e. coli malk in the nucleotide-free form
45	<a href="#">c4g1uD</a>	Alignment	not modelled	45.1	12	<b>PDB header:</b> transport protein/hydrolase <b>Chain: D: PDB Molecule:</b> hemin import atp-binding protein hmuv; <b>PDBTitle:</b> x-ray structure of the bacterial heme transporter hmuv from yersinia2 pestis
46	<a href="#">c3wmeA</a>	Alignment	not modelled	44.6	14	<b>PDB header:</b> transport protein <b>Chain: A: PDB Molecule:</b> atp-binding cassette, sub-family b, member 1; <b>PDBTitle:</b> crystal structure of an inward-facing eukaryotic abc multidrug2 transporter
47	<a href="#">d3dhwc1</a>	Alignment	not modelled	44.5	14	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> ABC transporter ATPase domain-like
48	<a href="#">c4e77A</a>	Alignment	not modelled	44.5	19	<b>PDB header:</b> isomerase <b>Chain: A: PDB Molecule:</b> glutamate-1-semialdehyde 2,1-aminomutase; <b>PDBTitle:</b> 2.0a crystal structure of a glutamate-1-semialdehyde aminotransferase2 from yersinia pestis co92
49	<a href="#">c3mxtA</a>	Alignment	not modelled	44.1	20	<b>PDB header:</b> ligase <b>Chain: A: PDB Molecule:</b> pantothenate synthetase; <b>PDBTitle:</b> crystal structure of pantoate-beta-alanine ligase from campylobacter2 jejuni
50	<a href="#">d1loxxk2</a>	Alignment	not modelled	43.6	22	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> ABC transporter ATPase domain-like
51	<a href="#">c3l44A</a>	Alignment	not modelled	43.5	14	<b>PDB header:</b> isomerase <b>Chain: A: PDB Molecule:</b> glutamate-1-semialdehyde 2,1-aminomutase 1; <b>PDBTitle:</b> crystal structure of bacillus anthracis heml-1, glutamate semialdehyde2 aminotransferase
52	<a href="#">c2yyzA</a>	Alignment	not modelled	43.3	13	<b>PDB header:</b> transport protein <b>Chain: A: PDB Molecule:</b> sugar abc transporter, atp-binding protein; <b>PDBTitle:</b> crystal structure of sugar abc transporter, atp-binding protein
53	<a href="#">c5y0nB</a>	Alignment	not modelled	42.0	13	<b>PDB header:</b> ligase <b>Chain: B: PDB Molecule:</b> upf0348 protein b4417_3650; <b>PDBTitle:</b> crystal structure of bacillus subtilis tmcal bound with atp (semet2 derivative)

54	<a href="#">c3bs8A_</a>		not modelled	40.3	11	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> glutamate-1-semialdehyde 2,1-aminomutase; <b>PDBTitle:</b> crystal structure of glutamate 1-semialdehyde aminotransferase2 complexed with pyridoxamine-5'-phosphate from bacillus subtilis
55	<a href="#">c3n0IA_</a>		not modelled	39.5	26	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine hydroxymethyltransferase; <b>PDBTitle:</b> crystal structure of serine hydroxymethyltransferase from campylobacter jejuni
56	<a href="#">c2cy8A_</a>		not modelled	38.7	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> d-phenylglycine aminotransferase; <b>PDBTitle:</b> crystal structure of d-phenylglycine aminotransferase (d-phcat) from pseudomonas strutzeri st-201
57	<a href="#">d1ihoa_</a>		not modelled	37.2	24	<b>Fold:</b> Adenine nucleotide alpha hydrolase-like <b>Superfamily:</b> Nucleotidyl transferase <b>Family:</b> Pantothenate synthetase (Pantoate-beta-alanine ligase, PanC)
58	<a href="#">c2zsmA_</a>		not modelled	35.8	24	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> glutamate-1-semialdehyde 2,1-aminomutase; <b>PDBTitle:</b> crystal structure of glutamate-1-semialdehyde 2,1-2 aminomutase from aeropyrum pernix, hexagonal form
59	<a href="#">c4mkiB_</a>		not modelled	35.2	12	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> energy-coupling factor transporter atp-binding protein <b>PDBTitle:</b> cobalt transporter atp-binding subunit
60	<a href="#">d1jj7a_</a>		not modelled	35.1	11	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> ABC transporter ATPase domain-like
61	<a href="#">c4fwIB_</a>		not modelled	34.6	13	<b>PDB header:</b> transport protein <b>Chain:</b> B: <b>PDB Molecule:</b> abc-type dipeptide/oligopeptide/nickel transport system, <b>PDBTitle:</b> crystal structure of the nucleotide-binding domain of a dipeptide abc2 transporter
62	<a href="#">c1oxtB_</a>		not modelled	33.3	21	<b>PDB header:</b> transport protein <b>Chain:</b> B: <b>PDB Molecule:</b> abc transporter, atp binding protein; <b>PDBTitle:</b> crystal structure of glcv, the abc-atpase of the glucose abc2 transporter from solfobulus solfataricus
63	<a href="#">d1l2ta_</a>		not modelled	33.2	13	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> ABC transporter ATPase domain-like
64	<a href="#">c2a7vA_</a>		not modelled	33.1	28	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine hydroxymethyltransferase; <b>PDBTitle:</b> human mitochondrial serine hydroxymethyltransferase 2
65	<a href="#">d2a7va1</a>		not modelled	33.1	28	<b>Fold:</b> PLP-dependent transferase-like <b>Superfamily:</b> PLP-dependent transferases <b>Family:</b> GABA-aminotransferase-like
66	<a href="#">c2it1B_</a>		not modelled	32.8	13	<b>PDB header:</b> transport protein <b>Chain:</b> B: <b>PDB Molecule:</b> 362aa long hypothetical maltose/maltodextrin <b>PDBTitle:</b> structure of ph0203 protein from pyrococcus horikoshii
67	<a href="#">c4hzub_</a>		not modelled	31.7	13	<b>PDB header:</b> hydrolase, transport protein <b>Chain:</b> B: <b>PDB Molecule:</b> energy-coupling factor transporter atp-binding protein ecfa <b>PDBTitle:</b> structure of a bacterial energy-coupling factor transporter
68	<a href="#">c3i4jC_</a>		not modelled	31.6	8	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> aminotransferase, class iii; <b>PDBTitle:</b> crystal structure of aminotransferase, class iii from deinococcus2 radiodurans
69	<a href="#">c1z47B_</a>		not modelled	31.1	8	<b>PDB header:</b> ligand binding protein <b>Chain:</b> B: <b>PDB Molecule:</b> putative abc-transporter atp-binding protein; <b>PDBTitle:</b> structure of the atpase subunit cysa of the putative sulfate atp-2 binding cassette (abc) transporter from alicyclobacillus3 acidocaldarius
70	<a href="#">c3dodA_</a>		not modelled	30.3	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenosylmethionine-8-amino-7-oxononanoate aminotransferase; <b>PDBTitle:</b> crystal structure of plp bound 7,8-diaminopelargonic acid synthase in2 bacillus subtilis
71	<a href="#">d2gsaa_</a>		not modelled	28.8	15	<b>Fold:</b> PLP-dependent transferase-like <b>Superfamily:</b> PLP-dependent transferases <b>Family:</b> GABA-aminotransferase-like
72	<a href="#">c6iz9B_</a>		not modelled	28.2	15	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> beta-transaminase; <b>PDBTitle:</b> crystal structure of the apo form of a beta-transaminase from mesorhizobium sp. strain luk
73	<a href="#">c5ochH_</a>		not modelled	27.9	17	<b>PDB header:</b> hydrolase <b>Chain:</b> H: <b>PDB Molecule:</b> atp-binding cassette sub-family b member 8, mitochondrial; <b>PDBTitle:</b> the crystal structure of human abcb8 in an outward-facing state
74	<a href="#">c4uoxB_</a>		not modelled	27.9	11	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> putrescine aminotransferase; <b>PDBTitle:</b> crystal structure of ygjg in complex with pyridoxal-5'-phosphate2 and putrescine
75	<a href="#">c2ei9A_</a>		not modelled	27.7	22	<b>PDB header:</b> gene regulation <b>Chain:</b> A: <b>PDB Molecule:</b> non-ltr retrotransposon r1bmks orf2 protein; <b>PDBTitle:</b> crystal structure of r1bm endonuclease domain
76	<a href="#">c4hzia_</a>		not modelled	27.6	22	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> abc transporter atp-binding protein; <b>PDBTitle:</b> crystal structure of the leptospira interrogans atpase subunit of an2 orphan abc transporter
77	<a href="#">c5u1dA_</a>		not modelled	27.5	10	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> antigen peptide transporter 1; <b>PDBTitle:</b> cryo-em structure of the human tap atp-binding cassette transporter

78	<a href="#">c3d31B_</a>		Alignment	not modelled	27.3	10	<b>PDB header:</b> transport protein <b>Chain:</b> B: <b>PDB Molecule:</b> sulfate/molybdate abc transporter, atp-binding protein; <b>PDBTitle:</b> modbc from methanoscincina acetivorans
79	<a href="#">c5viuB_</a>		Alignment	not modelled	27.1	17	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> acetylornithine aminotransferase; <b>PDBTitle:</b> crystal structure of acetylornithine aminotransferase from elizabethkingia anophelis
80	<a href="#">c4yerB_</a>		Alignment	not modelled	27.0	8	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> abc transporter atp-binding protein; <b>PDBTitle:</b> crystal structure of an abc transporter atp-binding protein (tm_1403)2 from thermotoga maritima msb8 at 2.35 a resolution
81	<a href="#">c5do7B_</a>		Alignment	not modelled	26.6	14	<b>PDB header:</b> transport protein <b>Chain:</b> B: <b>PDB Molecule:</b> atp-binding cassette sub-family g member 8; <b>PDBTitle:</b> crystal structure of the human sterol transporter abcg5/abcg8
82	<a href="#">c6cd1A_</a>		Alignment	not modelled	26.5	30	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine hydroxymethyltransferase; <b>PDBTitle:</b> crystal structure of medicago truncatula serine2 hydroxymethyltransferase 3 (mtshmt3), complexes with reaction3 intermediates
83	<a href="#">c2d62A_</a>		Alignment	not modelled	25.5	12	<b>PDB header:</b> sugar binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> multiple sugar-binding transport atp-binding <b>PDBTitle:</b> crystal structure of multiple sugar binding transport atp-2 binding protein
84	<a href="#">c2ordA_</a>		Alignment	not modelled	24.7	8	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetylornithine aminotransferase; <b>PDBTitle:</b> crystal structure of acetylornithine aminotransferase (ec 2.6.1.11)2 (acoat) (tm1785) from thermotoga maritima at 1.40 a resolution
85	<a href="#">c3lv2A_</a>		Alignment	not modelled	24.5	24	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenosylmethionine-8-amino-7-oxononanoate aminotransferase; <b>PDBTitle:</b> crystal structure of mycobacterium tuberculosis 7,8-diaminopelargonic2 acid synthase in complex with substrate analog sinefungin
86	<a href="#">d2pmka1</a>		Alignment	not modelled	24.3	9	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> ABC transporter ATPase domain-like
87	<a href="#">c2olkD_</a>		Alignment	not modelled	23.6	13	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> amino acid abc transporter; <b>PDBTitle:</b> abc protein artp in complex with adp-beta-s
88	<a href="#">c3fvqB_</a>		Alignment	not modelled	23.6	8	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> fe(3+) ions import atp-binding protein fbpc; <b>PDBTitle:</b> crystal structure of the nucleotide binding domain fbpc complexed with2 atp
89	<a href="#">c3dhwc_</a>		Alignment	not modelled	23.6	13	<b>PDB header:</b> membrane protein/hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> methionine import atp-binding protein metn; <b>PDBTitle:</b> crystal structure of methionine importer metni
90	<a href="#">c2ykyB_</a>		Alignment	not modelled	23.3	15	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> beta-transaminase; <b>PDBTitle:</b> structural determinants of the beta-selectivity of a bacterial2 aminotransferase
91	<a href="#">d2cfba1</a>		Alignment	not modelled	23.2	17	<b>Fold:</b> PLP-dependent transferase-like <b>Superfamily:</b> PLP-dependent transferases <b>Family:</b> GABA-aminotransferase-like
92	<a href="#">c2nq2C_</a>		Alignment	not modelled	23.1	18	<b>PDB header:</b> metal transport <b>Chain:</b> C: <b>PDB Molecule:</b> hypothetical abc transporter atp-binding protein <b>PDBTitle:</b> an inward-facing conformation of a putative metal-chelate2 type abc transporter.
93	<a href="#">c4tqvO_</a>		Alignment	not modelled	22.8	10	<b>PDB header:</b> transport protein <b>Chain:</b> O: <b>PDB Molecule:</b> algS; <b>PDBTitle:</b> crystal structure of a bacterial abc transporter involved in the2 import of the acidic polysaccharide alginate
94	<a href="#">d3d31a2</a>		Alignment	not modelled	22.4	10	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> ABC transporter ATPase domain-like
95	<a href="#">d1bj4a_</a>		Alignment	not modelled	22.0	24	<b>Fold:</b> PLP-dependent transferase-like <b>Superfamily:</b> PLP-dependent transferases <b>Family:</b> GABA-aminotransferase-like
96	<a href="#">d1rv3a_</a>		Alignment	not modelled	21.9	24	<b>Fold:</b> PLP-dependent transferase-like <b>Superfamily:</b> PLP-dependent transferases <b>Family:</b> GABA-aminotransferase-like
97	<a href="#">c3jcuO_</a>		Alignment	not modelled	21.1	21	<b>PDB header:</b> membrane protein <b>Chain:</b> O: <b>PDB Molecule:</b> oxygen-evolving enhancer protein 1, chloroplastic; <b>PDBTitle:</b> cryo-em structure of spinach psii-lhcii supercomplex at 3.2 angstrom2 resolution
98	<a href="#">c5f15A_</a>		Alignment	not modelled	21.1	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> 4-amino-4-deoxy-l-arabinose (l-ara4n) transferase; <b>PDBTitle:</b> crystal structure of arnt from cupriavidus metallidurans bound to2 undecaprenyl phosphate
99	<a href="#">c5g4iA_</a>		Alignment	not modelled	20.9	11	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphohydrolase; <b>PDBTitle:</b> plp-dependent phosphohydrolase a1rdf1 from arthrobacter aurescens tc1