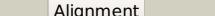
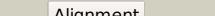
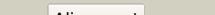
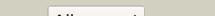
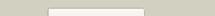
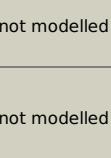


# Phyre<sup>2</sup>

Email	mdejesus@rockefeller.edu
Description	RVBD3310 (-) _3697369_3698268
Date	Thu Aug 8 16:20:52 BST 2019
Unique Job ID	56c20990ddd4ba0

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c4uplC_</a>			100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> sulfatase family protein; <b>PDBTitle:</b> dimeric sulfatase spas2 from silicibacter pomeroyi
2	<a href="#">c4upiA_</a>			100.0	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> sulfatase family protein; <b>PDBTitle:</b> dimeric sulfatase spas1 from silicibacter pomeroyi
3	<a href="#">c4ug4H_</a>			100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> H: <b>PDB Molecule:</b> choline sulfatase; <b>PDBTitle:</b> crystal structure of a choline sulfatase from sinorhizobium2 melliloti
4	<a href="#">d1auka_</a>			100.0	15	<b>Fold:</b> Alkaline phosphatase-like <b>Superfamily:</b> Alkaline phosphatase-like <b>Family:</b> Arylsulfatase
5	<a href="#">c4fdiA_</a>			100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> n-acetylgalactosamine-6-sulfatase; <b>PDBTitle:</b> the molecular basis of mucopolysaccharidosis iv a
6	<a href="#">c2qzuA_</a>			100.0	21	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative sulfatase yidj; <b>PDBTitle:</b> crystal structure of the putative sulfatase yidj from bacteroides2 fragilis. northeast structural genomics consortium target bfr123
7	<a href="#">d1p49a_</a>			100.0	18	<b>Fold:</b> Alkaline phosphatase-like <b>Superfamily:</b> Alkaline phosphatase-like <b>Family:</b> Arylsulfatase
8	<a href="#">c4upkC_</a>			100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> phosphonate monoester hydrolase; <b>PDBTitle:</b> phosphonate monoester hydrolase sppmh from silicibacter pomeroyi
9	<a href="#">c4mivB_</a>			100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> n-sulphoglucosamine sulphohydrolase; <b>PDBTitle:</b> crystal structure of sulfamidase, crystal form I
10	<a href="#">c5fqIA_</a>			100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> iduronate-2-sulfatase; <b>PDBTitle:</b> insights into hunter syndrome from the structure of iduronate-2-2 sulfatase
11	<a href="#">c6b1vB_</a>			100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> iota-carrageenan sulfatase; <b>PDBTitle:</b> crystal structure of ps i-cgsb c78s in complex with i-neocarratetraose

12	<a href="#">d1hdha</a>	Alignment		100.0	18	<b>Fold:</b> Alkaline phosphatase-like <b>Superfamily:</b> Alkaline phosphatase-like <b>Family:</b> Arylsulfatase
13	<a href="#">c4uphA</a>	Alignment		100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> sulfatase (sulfuric ester hydrolase) protein; <b>PDBTitle:</b> crystal structure of phosphonate monoester hydrolase of agrobacterium2 radiobacter
14	<a href="#">c3ed4A</a>	Alignment		100.0	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> arylsulfatase; <b>PDBTitle:</b> crystal structure of putative arylsulfatase from escherichia coli
15	<a href="#">c6j66B</a>	Alignment		100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> chondroitin sulfate/dermatan sulfate 4-o-endosulfatase <b>PDBTitle:</b> chondroitin sulfate/dermatan sulfate endolytic 4-o-sulfatase
16	<a href="#">c3b5qB</a>	Alignment		100.0	17	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> putative sulfatase yidj; <b>PDBTitle:</b> crystal structure of a putative sulfatase (np_810509.1) from2 bacteroides thetaiotaomicron vpi-5482 at 2.40 a resolution
17	<a href="#">c6hhmA</a>	Alignment		100.0	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> arylsulfatase; <b>PDBTitle:</b> crystal structure of the family s1_7 ulvan-specific sulfatase fa220702 from formosa agariphila
18	<a href="#">d1fsua</a>	Alignment		100.0	16	<b>Fold:</b> Alkaline phosphatase-like <b>Superfamily:</b> Alkaline phosphatase-like <b>Family:</b> Arylsulfatase
19	<a href="#">c2vqrA</a>	Alignment		100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative sulfatase; <b>PDBTitle:</b> crystal structure of a phosphonate monoester hydrolase from rhizobium2 leguminosarum: a new member of the alkaline phosphatase superfamily
20	<a href="#">c3lxqB</a>	Alignment		100.0	14	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein vp1736; <b>PDBTitle:</b> the crystal structure of a protein in the alkaline phosphatase2 superfamily from vibrio parahaemolyticus to 1.95a
21	<a href="#">c5g2vA</a>	Alignment	not modelled	100.0	12	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> n-acetylglucosamine-6-sulfatase; <b>PDBTitle:</b> structure of bt4656 in complex with its substrate d-glucosamine-2-n,2 6-o-disulfate.
22	<a href="#">c2w8dB</a>	Alignment	not modelled	100.0	16	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> processed glycerol phosphate lipoteichoic acid synthase 2; <b>PDBTitle:</b> distinct and essential morphogenic functions for wall- and lipo-teichoic acids in bacillus subtilis
23	<a href="#">c6hr5A</a>	Alignment	not modelled	100.0	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alpha-l-rhamnosidase/sulfatase (gh78); <b>PDBTitle:</b> structure of the s1_25 family sulfatase module of the rhamnosidase2 fa22250 from formosa agariphila
24	<a href="#">c4uorK</a>	Alignment	not modelled	100.0	15	<b>PDB header:</b> transferase <b>Chain:</b> K: <b>PDB Molecule:</b> lipoteichoic acid synthase; <b>PDBTitle:</b> structure of lipoteichoic acid synthase Itas from listeria2 monocytogenes in complex with glycerol phosphate
25	<a href="#">c4uopB</a>	Alignment	not modelled	100.0	12	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> lipoteichoic acid primase; <b>PDBTitle:</b> crystal structure of the lipoteichoic acid synthase Itap from listeria2 monocytogenes
26	<a href="#">c2w5tA</a>	Alignment	not modelled	100.0	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> processed glycerol phosphate lipoteichoic acid <b>PDBTitle:</b> structure-based mechanism of lipoteichoic acid synthesis by2 staphylococcus aureus Itas.
27	<a href="#">c5i5fA</a>	Alignment	not modelled	100.0	16	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> inner membrane protein yejm; <b>PDBTitle:</b> salmonella global domain 191
28	<a href="#">c2d1gB</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> acid phosphatase; <b>PDBTitle:</b> structure of francisella tularensis acid phosphatase a

						(acpa) bound to2 orthovanadate
29	<a href="#">c4kayA</a>	Alignment	not modelled	100.0	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> yhbxy/hjw/yijp/yjdb family protein; <b>PDBTitle:</b> structure of the soluble domain of lipooligosaccharide2 phosphoethanolamine transferase a from neisseria meningitidis -3 complex with zn
30	<a href="#">c6bneA</a>	Alignment	not modelled	100.0	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoethanolamine transferase; <b>PDBTitle:</b> crystal structure of the intrinsic colistin resistance enzyme icr(mc)2 from moraxella catarrhalis, catalytic domain, phosphate-bound complex
31	<a href="#">c6a82A</a>	Alignment	not modelled	100.0	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoethanolamine transferase eptc; <b>PDBTitle:</b> crystal structure of the c-terminal periplasmic domain of eptc from2 escherichia coli
32	<a href="#">c5k4pA</a>	Alignment	not modelled	100.0	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> probable phosphatidylethanolamine transferase mcr-1; <b>PDBTitle:</b> catalytic domain of mcr-1 phosphoethanolamine transferase
33	<a href="#">c2zktB</a>	Alignment	not modelled	100.0	13	<b>PDB header:</b> isomerase <b>Chain:</b> B: <b>PDB Molecule:</b> 2,3-bisphosphoglycerate-independent phosphoglycerate <b>PDBTitle:</b> structure of ph0037 protein from pyrococcus horikoshii
34	<a href="#">c3g3qA</a>	Alignment	not modelled	100.0	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alkaline phosphatase; <b>PDBTitle:</b> crystal structure of spap: an novel alkaline phosphatase from2 bacterium sphingomonas sp. strain bsar-1
35	<a href="#">c4lqyA</a>	Alignment	not modelled	100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> bis(5'-adenosyl)-triphosphatase enpp4; <b>PDBTitle:</b> crystal structure of human enpp4 with amp
36	<a href="#">c5vemA</a>	Alignment	not modelled	100.0	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> ectonucleotide pyrophosphatase/phosphodiesterase family <b>PDBTitle:</b> human ectonucleotide pyrophosphatase / phosphodiesterase 5 (enpp5,2 npp5)
37	<a href="#">c4tn0C</a>	Alignment	not modelled	100.0	14	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> upf0141 protein yjdb; <b>PDBTitle:</b> crystal structure of the c-terminal periplasmic domain of2 phosphoethanolamine transferase eptc from campylobacter jejuni
38	<a href="#">c5tj3A</a>	Alignment	not modelled	100.0	20	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alkaline phosphatase pafa; <b>PDBTitle:</b> crystal structure of wild type alkaline phosphatase pafa to 1.7a2 resolution
39	<a href="#">c5udyA</a>	Alignment	not modelled	100.0	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> ectonucleotide pyrophosphatase/phosphodiesterase family <b>PDBTitle:</b> human alkaline sphingomyelinase (alk-smase, enpp7, npp7)
40	<a href="#">c3m8yC</a>	Alignment	not modelled	100.0	18	<b>PDB header:</b> isomerase <b>Chain:</b> C: <b>PDB Molecule:</b> phosphopentomutase; <b>PDBTitle:</b> phosphopentomutase from bacillus cereus after glucose-1,6-bisphosphate2 activation
41	<a href="#">d1o98a2</a>	Alignment	not modelled	100.0	9	<b>Fold:</b> Alkaline phosphatase-like <b>Superfamily:</b> Alkaline phosphatase-like <b>Family:</b> 2,3-Bisphosphoglycerate-independent phosphoglycerate mutase, catalytic domain
42	<a href="#">c2gsoB</a>	Alignment	not modelled	100.0	14	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> phosphodiesterase-nucleotide pyrophosphatase; <b>PDBTitle:</b> structure of xac nucleotide pyrophosphatase/phosphodiesterase in2 complex with vanadate
43	<a href="#">c5fgnA</a>	Alignment	not modelled	100.0	16	<b>PDB header:</b> transferase,hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> lipooligosaccharide phosphoethanolamine transferase a; <b>PDBTitle:</b> integral membrane protein lipooligosaccharide phosphoethanolamine2 transferase a (epeta) from neisseria meningitidis
44	<a href="#">c5egeD</a>	Alignment	not modelled	100.0	12	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> ectonucleotide pyrophosphatase/phosphodiesterase family <b>PDBTitle:</b> structure of enpp6, a choline-specific glycerophosphodiester-2 phosphodiesterase
45	<a href="#">c5u9zB</a>	Alignment	not modelled	100.0	10	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> phosphoglycerol transferase; <b>PDBTitle:</b> phosphoglycerol transferase gach from streptococcus pyogenes
46	<a href="#">c5gz5A</a>	Alignment	not modelled	100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> snake venom phosphodiesterase (pde); <b>PDBTitle:</b> crystal structure of snake venom phosphodiesterase (pde) from taiwan2 cobra (naja atra atra) in complex with amp
47	<a href="#">c5gz4A</a>	Alignment	not modelled	100.0	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> snake venom phosphodiesterase (pde); <b>PDBTitle:</b> crystal structure of snake venom phosphodiesterase (pde) from taiwan2 cobra (naja atra atra)
48	<a href="#">c6c02B</a>	Alignment	not modelled	100.0	14	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> ectonucleotide pyrophosphatase/phosphodiesterase family <b>PDBTitle:</b> human ectonucleotide pyrophosphatase / phosphodiesterase 3 (enpp3,2 npp3, cd203c), inactive (t205a), n594s, with alpha,beta-methylene-atp3 (ampcpp)
49	<a href="#">c2xrgA</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> ectonucleotide pyrophosphatase/phosphodiesterase family <b>PDBTitle:</b> crystal structure of autotaxin (enpp2) in complex with the2 ha155 boronic acid inhibitor
50	<a href="#">c4b56A</a>	Alignment	not modelled	100.0	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> ectonucleotide pyrophosphatase/phosphodiesterase family <b>PDBTitle:</b> structure of ectonucleotide pyrophosphatase-phosphodiesterase-12 (npp1)

**Fold:**Alkaline phosphatase-like

51	d2i09a1	Alignment	not modelled	100.0	14	<b>Superfamily:</b> Alkaline phosphatase-like <b>Family:</b> DeoB catalytic domain-like
52	c2xr9A_	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> ectonucleotide pyrophosphatase/phosphodiesterase family <b>PDBTitle:</b> crystal structure of autotaxin (enpp2)
53	c3szzA_	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphonoacetate hydrolase; <b>PDBTitle:</b> crystal structure of phosphonoacetate hydrolase from sinorhizobium2 meliloti 1021 in complex with acetate
54	c2i09A_	Alignment	not modelled	100.0	13	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphopentomutase; <b>PDBTitle:</b> crystal structure of putative phosphopentomutase from streptococcus2 mutans
55	d1ei6a_	Alignment	not modelled	100.0	18	<b>Fold:</b> Alkaline phosphatase-like <b>Superfamily:</b> Alkaline phosphatase-like <b>Family:</b> Phosphonoacetate hydrolase
56	c1o98A_	Alignment	not modelled	99.8	14	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> 2,3-bisphosphoglycerate-independent <b>PDBTitle:</b> 1.4a crystal structure of phosphoglycerate mutase from2 bacillus stearothermophilus complexed with3 2-phosphoglycerate
57	c5kgmA_	Alignment	not modelled	99.7	16	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> 2,3-bisphosphoglycerate-independent phosphoglycerate <b>PDBTitle:</b> 2.95a resolution structure of apo independent phosphoglycerate mutase2 from c. elegans (monoclinic form)
58	c4my4A_	Alignment	not modelled	99.7	13	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> 2,3-bisphosphoglycerate-independent phosphoglycerate <b>PDBTitle:</b> crystal structure of phosphoglycerate mutase from staphylococcus2 aureus.
59	c3igzB_	Alignment	not modelled	99.7	18	<b>PDB header:</b> isomerase <b>Chain:</b> B: <b>PDB Molecule:</b> cofactor-independent phosphoglycerate mutase; <b>PDBTitle:</b> crystal structures of leishmania mexicana phosphoglycerate2 mutase at low cobalt concentration
60	c5vpuA_	Alignment	not modelled	99.6	18	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> 2,3-bisphosphoglycerate-independent phosphoglycerate <b>PDBTitle:</b> crystal structure of 2,3-bisphosphoglycerate-independent2 phosphoglycerate mutase bound to 3-phosphoglycerate, from3 acinetobacter baumannii
61	c2iucB_	Alignment	not modelled	99.5	15	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> alkaline phosphatase; <b>PDBTitle:</b> structure of alkaline phosphatase from the antarctic bacterium tab5
62	d1y6va1	Alignment	not modelled	99.4	19	<b>Fold:</b> Alkaline phosphatase-like <b>Superfamily:</b> Alkaline phosphatase-like <b>Family:</b> Alkaline phosphatase
63	c1ew2A_	Alignment	not modelled	99.3	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphatase; <b>PDBTitle:</b> crystal structure of a human phosphatase
64	d1zedaa1	Alignment	not modelled	99.3	16	<b>Fold:</b> Alkaline phosphatase-like <b>Superfamily:</b> Alkaline phosphatase-like <b>Family:</b> Alkaline phosphatase
65	c3a52A_	Alignment	not modelled	99.2	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> cold-active alkaline phosphatase; <b>PDBTitle:</b> crystal structure of cold-active alkaline phosphatase from2 psychrophile shewanella sp.
66	c2w0yB_	Alignment	not modelled	99.1	21	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> alkaline phosphatase; <b>PDBTitle:</b> h.salinarum alkaline phosphatase
67	c2x98A_	Alignment	not modelled	99.1	21	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alkaline phosphatase; <b>PDBTitle:</b> h.salinarum alkaline phosphatase
68	d1k7ha_	Alignment	not modelled	99.0	13	<b>Fold:</b> Alkaline phosphatase-like <b>Superfamily:</b> Alkaline phosphatase-like <b>Family:</b> Alkaline phosphatase
69	c3e2dB_	Alignment	not modelled	98.9	16	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> alkaline phosphatase; <b>PDBTitle:</b> the 1.4 a crystal structure of the large and cold-active vibrio sp.2 alkaline phosphatase
70	c3whbB_	Alignment	not modelled	98.8	15	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> alkaline phosphatase; <b>PDBTitle:</b> structural characteristics of alkaline phosphatase from a moderately2 halophilic bacteria halomonas sp.593
71	c3iddA_	Alignment	not modelled	98.3	20	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> 2,3-bisphosphoglycerate-independent <b>PDBTitle:</b> cofactor-independent phosphoglycerate mutase from2 thermoplasma acidophilum dsm 1728
72	c5oltA_	Alignment	not modelled	97.5	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> cellulose biosynthesis protein bcsq; <b>PDBTitle:</b> crystal structure of the extramembrane domain of the cellulose2 biosynthetic protein bcsq from salmonella typhimurium
73	c4f9dA_	Alignment	not modelled	72.0	11	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> poly-beta-1,6-n-acetyl-d-glucosamine n-deacetylase; <b>PDBTitle:</b> structure of escherichia coli pgab 42-655 in complex with nickel
74	d1b4ub_	Alignment	not modelled	64.7	14	<b>Fold:</b> Phosphorylase/hydrolase-like <b>Superfamily:</b> LigB-like <b>Family:</b> LigB-like
75	d1xo1a2	Alignment	not modelled	36.0	8	<b>Fold:</b> PIN domain-like <b>Superfamily:</b> PIN domain-like <b>Family:</b> 5' to 3' exonuclease catalytic domain
						<b>PDB header:</b> hydrolase

76	<a href="#">c2c61A</a>	Alignment	not modelled	35.0	13	<b>Chain:</b> A: <b>PDB Molecule:</b> a-type atp synthase non-catalytic subunit b; <b>PDBTitle:</b> crystal structure of the non-catalytic b subunit of a-type2 atpase from m. mazei go1
77	<a href="#">c5mq9A</a>	Alignment	not modelled	32.3	23	<b>PDB header:</b> translation <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein yacp; <b>PDBTitle:</b> crystal structure of rae1 (yacp) from bacillus subtilis (w164l mutant)
78	<a href="#">c5ujdB</a>	Alignment	not modelled	27.0	17	<b>PDB header:</b> gene regulation <b>Chain:</b> B: <b>PDB Molecule:</b> siderophore biosynthesis protein sbni; <b>PDBTitle:</b> sbni from staphylococcus pseudintermedius
79	<a href="#">d1tfra2</a>	Alignment	not modelled	23.0	12	<b>Fold:</b> PIN domain-like <b>Superfamily:</b> PIN domain-like <b>Family:</b> 5' to 3' exonuclease catalytic domain
80	<a href="#">c2ihmA</a>	Alignment	not modelled	19.4	8	<b>PDB header:</b> hydrolase/dna <b>Chain:</b> A: <b>PDB Molecule:</b> ribonuclease h; <b>PDBTitle:</b> co-crystal of bacteriophage t4 rnase h with a fork dna2 substrate
81	<a href="#">d1okga1</a>	Alignment	not modelled	19.3	6	<b>Fold:</b> Rhodanese/Cell cycle control phosphatase <b>Superfamily:</b> Rhodanese/Cell cycle control phosphatase <b>Family:</b> Multidomain sulfurtransferase (rhodanese)
82	<a href="#">c3wrB</a>	Alignment	not modelled	17.6	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> gallate dioxygenase; <b>PDBTitle:</b> crystal structure of the anaerobic h124f desb-gallate complex
83	<a href="#">c4awaA</a>	Alignment	not modelled	17.0	14	<b>PDB header:</b> hydrolase/hydrolase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> legumain; <b>PDBTitle:</b> crystal structure of active legumain in complex with yvad-cmk2 at ph 5.0
84	<a href="#">d1skyb3</a>	Alignment	not modelled	16.1	8	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> RecA protein-like (ATPase-domain)
85	<a href="#">d1fx0a3</a>	Alignment	not modelled	16.0	5	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> RecA protein-like (ATPase-domain)
86	<a href="#">c30aaO</a>	Alignment	not modelled	15.7	11	<b>PDB header:</b> hydrolase/transport protein <b>Chain:</b> O: <b>PDB Molecule:</b> atp synthase gamma chain; <b>PDBTitle:</b> structure of the e.coli f1-atp synthase inhibited by subunit epsilon
87	<a href="#">c5ujeA</a>	Alignment	not modelled	15.0	12	<b>PDB header:</b> gene regulation <b>Chain:</b> A: <b>PDB Molecule:</b> sbni protein; <b>PDBTitle:</b> sbni with c-terminal truncation from staphylococcus aureus
88	<a href="#">c1okgA</a>	Alignment	not modelled	15.0	6	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> possible 3-mercaptopropionate sulfurtransferase; <b>PDBTitle:</b> 3-mercaptopropionate sulfurtransferase from leishmania major
89	<a href="#">c4f6oA</a>	Alignment	not modelled	14.1	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> metacaspase-1; <b>PDBTitle:</b> crystal structure of the yeast metacaspase yca1
90	<a href="#">c5bo5B</a>	Alignment	not modelled	14.1	10	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> neq263; <b>PDBTitle:</b> structure of a unique atp synthase subunit neqb from nanoarchaeum equitans
91	<a href="#">c3k1tA</a>	Alignment	not modelled	13.8	12	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> glutamate--cysteine ligase gsha; <b>PDBTitle:</b> crystal structure of putative gamma-glutamylcysteine synthetase2 (yp_546622.1) from methylobacter flagellatus kt at 1.90 a3 resolution
92	<a href="#">c6re1S</a>	Alignment	not modelled	13.0	17	<b>PDB header:</b> proton transport <b>Chain:</b> S: <b>PDB Molecule:</b> atp synthase gamma chain, mitochondrial; <b>PDBTitle:</b> cryo-em structure of polyomella f-atp synthase, rotary substate 2a,2 focussed refinement of f1 head and rotor
93	<a href="#">d2ffea1</a>	Alignment	not modelled	11.5	14	<b>Fold:</b> CofD-like <b>Superfamily:</b> CofD-like <b>Family:</b> CofD-like
94	<a href="#">c2v6zM</a>	Alignment	not modelled	11.0	14	<b>PDB header:</b> transferase <b>Chain:</b> M: <b>PDB Molecule:</b> dna polymerase epsilon subunit 2; <b>PDBTitle:</b> solution structure of amino-terminal domain of human dna polymerase2 epsilon subunit b
95	<a href="#">d1iowa1</a>	Alignment	not modelled	10.8	35	<b>Fold:</b> PreATP-grasp domain <b>Superfamily:</b> PreATP-grasp domain <b>Family:</b> D-Alanine ligase N-terminal domain
96	<a href="#">c6q45C</a>	Alignment	not modelled	10.5	7	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> atp synthase subunit alpha; <b>PDBTitle:</b> f1-atpase from fusobacterium nucleatum
97	<a href="#">d2cz4a1</a>	Alignment	not modelled	10.4	7	<b>Fold:</b> Ferrodoxin-like <b>Superfamily:</b> GlnB-like <b>Family:</b> Prokaryotic signal transducing protein
98	<a href="#">c2r9vA</a>	Alignment	not modelled	9.9	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> atp synthase subunit alpha; <b>PDBTitle:</b> crystal structure of atp synthase subunit alpha (tm1612) from2 thermotoga maritima at 2.10 a resolution
99	<a href="#">c4ng4B</a>	Alignment	not modelled	9.5	15	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> phosphoglycerate kinase; <b>PDBTitle:</b> structure of phosphoglycerate kinase (cbu_1782) from coxiella burnetii