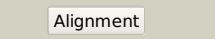
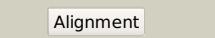
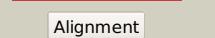
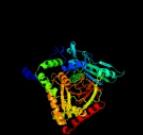
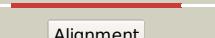
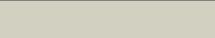
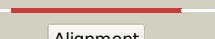
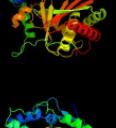


# Phyre<sup>2</sup>

Email	mdejesus@rockefeller.edu
Description	RVBD3820c_(papA2)_4284597_4286003
Date	Fri Aug 9 18:20:53 BST 2019
Unique Job ID	057b3af3ac4dd240

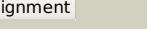
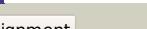
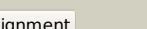
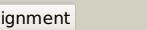
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c6aefB_</a>			100.0	100	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> polyketide synthase associated protein papA2; <b>PDBTitle:</b> papa2 acyl transferase
2	<a href="#">c6n8eA_</a>			100.0	10	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> holo-obif1; <b>PDBTitle:</b> crystal structure of holo-obif1, a five domain nonribosomal peptide2 synthetase from burkholderia diffusa
3	<a href="#">c4zxiA_</a>			100.0	11	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> A; <b>PDB Molecule:</b> tyrocidine synthetase 3; <b>PDBTitle:</b> crystal structure of holo-ab3403 a four domain nonribosomal peptide2 synthetase bound to amp and glycine
4	<a href="#">c5u89A_</a>			100.0	12	<b>PDB header:</b> hydrolase/inhibitor <b>Chain:</b> A; <b>PDB Molecule:</b> amino acid adenylation domain protein; <b>PDBTitle:</b> crystal structure of a cross-module fragment from the dimodular nrps2 dhbf
5	<a href="#">c2vsqA_</a>			100.0	13	<b>PDB header:</b> ligase <b>Chain:</b> A; <b>PDB Molecule:</b> surfactin synthetase subunit 3; <b>PDBTitle:</b> structure of surfactin a synthetase c (srfa-c), a nonribosomal peptide2 synthetase termination module
6	<a href="#">c6p1jA_</a>			100.0	13	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> A; <b>PDB Molecule:</b> txo2; <b>PDBTitle:</b> the structure of condensation and adenylation domains of teixobactin-2 producing nonribosomal peptide synthetase txo2 serine module
7	<a href="#">c2jgpA_</a>			100.0	13	<b>PDB header:</b> ligase <b>Chain:</b> A; <b>PDB Molecule:</b> tyrocidine synthetase 3; <b>PDBTitle:</b> structure of the tycc5-6 pcp-c bidomain of the tyrocidine synthetase2 tycc
8	<a href="#">c5t81A_</a>			100.0	12	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> A; <b>PDB Molecule:</b> epob; <b>PDBTitle:</b> rhombohedral crystal form of the epob nrps cyclization-docking2 bidomain from sorangium celluloseum
9	<a href="#">c4zxjA_</a>			100.0	13	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> A; <b>PDB Molecule:</b> enterobactin synthase component f; <b>PDBTitle:</b> crystal structure of holo-entf a nonribosomal peptide synthetase in2 the thioester-forming conformation
10	<a href="#">c4tx3B_</a>			100.0	14	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B; <b>PDB Molecule:</b> peptide synthetase, module 7; <b>PDBTitle:</b> complex of the x-domain and oxyb from teicoplanin biosynthesis
11	<a href="#">c6m7IB_</a>			100.0	13	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> B; <b>PDB Molecule:</b> putative non-ribosomal peptide synthetase; <b>PDBTitle:</b> complex of oxya with the x-domain from gpa biosynthesis

12	<a href="#">c5ja2A</a>	Alignment		100.0	14	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> enterobactin synthase component f; <b>PDBTitle:</b> entf, a terminal nonribosomal peptide synthetase module bound to the2 non-native mbtb-like protein pa2412
13	<a href="#">c2xhgA</a>	Alignment		100.0	12	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> tyrocidine synthetase a; <b>PDBTitle:</b> crystal structure of the epimerization domain from the initiation2 module of tyrocidine biosynthesis
14	<a href="#">c5m6pB</a>	Alignment		100.0	10	<b>PDB header:</b> isomerase <b>Chain:</b> B: <b>PDB Molecule:</b> tyrocidine synthase 2; <b>PDBTitle:</b> crystal structure of the epimerization domain from module 3 of2 tyrocidine synthetase b, tycb3(e)
15	<a href="#">c4znmB</a>	Alignment		100.0	13	<b>PDB header:</b> ligase <b>Chain:</b> B: <b>PDB Molecule:</b> c-domain type ii peptide synthetase; <b>PDBTitle:</b> crystal structure of sgcc5 protein from streptomyces globisporus (apo2 form)
16	<a href="#">c6ozvA</a>	Alignment		100.0	14	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> A: <b>PDB Molecule:</b> txo1; <b>PDBTitle:</b> the structure of condensation and adenylation domains of teixobactin-2 producing nonribosomal peptide synthetase txo1 serine module in3 complex with amp
17	<a href="#">c6cgob</a>	Alignment		100.0	17	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> B: <b>PDB Molecule:</b> condensation domain protein; <b>PDBTitle:</b> molecular basis for condensation domain-mediated chain release from2 the enacyloxin polyketide synthase
18	<a href="#">c6ad3A</a>	Alignment		100.0	14	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> A: <b>PDB Molecule:</b> lovastatin nonaketide synthase moka; <b>PDBTitle:</b> structural characterization of the condensation domain from monacolin2 k polyketide synthase moka
19	<a href="#">c5t3eA</a>	Alignment		100.0	11	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> bacillamide synthetase heterocyclization domain; <b>PDBTitle:</b> crystal structure of a nonribosomal peptide synthetase2 heterocyclization domain.
20	<a href="#">c4jn3B</a>	Alignment		100.0	12	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> B: <b>PDB Molecule:</b> cda peptide synthetase i; <b>PDBTitle:</b> crystal structures of the first condensation domain of the cda2 synthetase
21	<a href="#">c5dijA</a>	Alignment	not modelled	100.0	12	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> tqaa; <b>PDBTitle:</b> the crystal structure of ct
22	<a href="#">c1l5aA</a>	Alignment	not modelled	100.0	9	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> A: <b>PDB Molecule:</b> amide synthase; <b>PDBTitle:</b> crystal structure of vibh, an nrps condensation enzyme
23	<a href="#">c4hvmC</a>	Alignment	not modelled	100.0	12	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> C: <b>PDB Molecule:</b> tlmii; <b>PDBTitle:</b> crystal structure of tallysomycin biosynthesis protein tlmii
24	<a href="#">c3fotA</a>	Alignment	not modelled	100.0	10	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> 15-o-acetyltransferase; <b>PDBTitle:</b> structural and functional characterization of tri3 trichothecene 15-o-2 acetyltransferase from fusarium sporotrichioides
25	<a href="#">c1q9jA</a>	Alignment	not modelled	100.0	13	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> polyketide synthase associated protein 5; <b>PDBTitle:</b> structure of polyketide synthase associated protein 5 from2 mycobacterium tuberculosis
26	<a href="#">c6chjb</a>	Alignment	not modelled	100.0	9	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> diacylglycerol o-acyltransferase; <b>PDBTitle:</b> wax ester synthase/diacylglycerol acyltransferase from marinobacter2 aquaeolei vt8
27	<a href="#">d1l5aa2</a>	Alignment	not modelled	100.0	8	<b>Fold:</b> CoA-dependent acyltransferases <b>Superfamily:</b> CoA-dependent acyltransferases <b>Family:</b> NRPS condensation domain (amide synthase)
28	<a href="#">d1l5aa1</a>	Alignment	not modelled	100.0	12	<b>Fold:</b> CoA-dependent acyltransferases <b>Superfamily:</b> CoA-dependent acyltransferases <b>Family:</b> NRPS condensation domain (amide synthase)

29	<a href="#">c6dd2A</a>		Alignment	not modelled	100.0	11	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> probable hydroxycinnamoyl transferase; <b>PDBTitle:</b> crystal structure of selaginella moellendorffii hct
30	<a href="#">c4g0bA</a>		Alignment	not modelled	99.9	10	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> hydroxycinnamoyl-coa shikimate/quinate <b>PDBTitle:</b> structure of native hct from coffeea canephora
31	<a href="#">d1q9ja1</a>		Alignment	not modelled	99.9	17	<b>Fold:</b> CoA-dependent acyltransferases <b>Superfamily:</b> CoA-dependent acyltransferases <b>Family:</b> NRPS condensation domain (amide synthase)
32	<a href="#">d1q9ja2</a>		Alignment	not modelled	99.9	10	<b>Fold:</b> CoA-dependent acyltransferases <b>Superfamily:</b> CoA-dependent acyltransferases <b>Family:</b> NRPS condensation domain (amide synthase)
33	<a href="#">c2e1uA</a>		Alignment	not modelled	99.9	10	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acyl transferase; <b>PDBTitle:</b> crystal structure of dendranthema morifolium dmat
34	<a href="#">c2bghA</a>		Alignment	not modelled	99.8	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> vinorine synthase; <b>PDBTitle:</b> crystal structure of vinorine synthase
35	<a href="#">c6eqoB</a>		Alignment	not modelled	99.7	9	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> acetyl-coenzyme a synthetase; <b>PDBTitle:</b> tri-functional propionyl-coa synthase of erythrobacter sp. nap1 with2 bound nadp+ and phosphomethylphosphonic acid adenylate ester
36	<a href="#">c2xr7A</a>		Alignment	not modelled	99.6	8	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> malonyltransferase; <b>PDBTitle:</b> crystal structure of nicotiana tabacum malonyltransferase (ntmat1)2 complexed with malonyl-coa
37	<a href="#">c5es8A</a>		Alignment	not modelled	99.5	6	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> linear gramicidin synthetase subunit a; <b>PDBTitle:</b> crystal structure of the initiation module of lgra in the thiolation2 state
38	<a href="#">c3b2sA</a>		Alignment	not modelled	99.3	9	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> trichothecene 3-o-acetyltransferase; <b>PDBTitle:</b> crystal structure of f. graminearum tri101 complexed with coenzyme a2 and deoxynivalenol
39	<a href="#">c4ke4A</a>		Alignment	not modelled	99.3	10	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> hydroxycinnamoyl-coa:shikimate hydroxycinnamoyl <b>PDBTitle:</b> elucidation of the structure and reaction mechanism of sorghum bicolor2 hydroxycinnamoyltransferase and its structural relationship to other3 coa-dependent transferases and synthases
40	<a href="#">c2zbaD</a>		Alignment	not modelled	99.0	7	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> trichothecene 3-o-acetyltransferase; <b>PDBTitle:</b> crystal structure of f. sporotrichoides tri101 complexed with2 coenzyme a and t-2
41	<a href="#">c2i9dC</a>		Alignment	not modelled	90.5	9	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> chloramphenicol acetyltransferase; <b>PDBTitle:</b> chloramphenicol acetyltransferase
42	<a href="#">d1b5sa</a>		Alignment	not modelled	78.7	14	<b>Fold:</b> CoA-dependent acyltransferases <b>Superfamily:</b> CoA-dependent acyltransferases <b>Family:</b> CAT-like
43	<a href="#">d1nija2</a>		Alignment	not modelled	59.0	10	<b>Fold:</b> Hypothetical protein YjiA, C-terminal domain <b>Superfamily:</b> Hypothetical protein YjiA, C-terminal domain <b>Family:</b> Hypothetical protein YjiA, C-terminal domain
44	<a href="#">d1scza</a>		Alignment	not modelled	56.5	15	<b>Fold:</b> CoA-dependent acyltransferases <b>Superfamily:</b> CoA-dependent acyltransferases <b>Family:</b> CAT-like
45	<a href="#">d1q23a</a>		Alignment	not modelled	49.5	8	<b>Fold:</b> CoA-dependent acyltransferases <b>Superfamily:</b> CoA-dependent acyltransferases <b>Family:</b> CAT-like
46	<a href="#">d3claa</a>		Alignment	not modelled	39.5	8	<b>Fold:</b> CoA-dependent acyltransferases <b>Superfamily:</b> CoA-dependent acyltransferases <b>Family:</b> CAT-like
47	<a href="#">c6h60A</a>		Alignment	not modelled	36.9	15	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> pyruvate dehydrogenase protein x component, mitochondrial; <b>PDBTitle:</b> pseudo-atomic structural model of the e3bp component of the human2 pyruvate dehydrogenase multienzyme complex
48	<a href="#">c5wmmmA</a>		Alignment	not modelled	33.5	12	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> A: <b>PDB Molecule:</b> nmps; <b>PDBTitle:</b> crystal structure of an adenylation domain interrupted by a2 methylation domain (ama4) from nonribosomal peptide synthetase tios
49	<a href="#">c1vs3B</a>		Alignment	not modelled	24.0	25	<b>PDB header:</b> isomerase <b>Chain:</b> B: <b>PDB Molecule:</b> tRNA pseudouridine synthase a; <b>PDBTitle:</b> crystal structure of the tRNA pseudouridine synthase trua from thermus2 thermophilus hb8
50	<a href="#">c3kk4B</a>		Alignment	not modelled	20.9	10	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein bp1543; <b>PDBTitle:</b> uncharacterized protein bp1543 from bordetella pertussis tohama i
51	<a href="#">d1dj0a</a>		Alignment	not modelled	14.8	17	<b>Fold:</b> Pseudouridine synthase <b>Superfamily:</b> Pseudouridine synthase <b>Family:</b> Pseudouridine synthase I TruA
52	<a href="#">c5msvB</a>		Alignment	not modelled	14.8	11	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> thioester reductase domain-containing protein; <b>PDBTitle:</b> structure of the phosphopantetheine modified pcp-r didomain of2 carboxylic acid reductase (car) in complex with nadp
53	<a href="#">c5ifiA</a>		Alignment	not modelled	12.8	13	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyl-coenzyme a synthetase; <b>PDBTitle:</b> crystal structure of acetyl-coa synthetase in complex with adenosine-2 5'-propylphosphate from cryptococcus neoformans h99 <b>PDB header:</b> immune system

54	<a href="#">c5hypB</a>		Alignment	not modelled	12.3	22	<b>Chain:</b> B: <b>PDB Molecule:</b> m28 protein; <b>PDBTitle:</b> structure of human c4b-binding protein alpha cain ccp domains 1 and 22 in complex with the hypervariable region of group a streptococcus m283 protein
55	<a href="#">d1dpba</a>		Alignment	not modelled	10.9	7	<b>Fold:</b> CoA-dependent acyltransferases <b>Superfamily:</b> CoA-dependent acyltransferases <b>Family:</b> CAT-like
56	<a href="#">d2bm0a4</a>		Alignment	not modelled	9.6	7	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> EF-G C-terminal domain-like <b>Family:</b> EF-G/eEF-2 domains III and V
57	<a href="#">c3l60A</a>		Alignment	not modelled	9.3	13	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> branched-chain alpha-keto acid dehydrogenase; <b>PDBTitle:</b> crystal structure of branched-chain alpha-keto acid dehydrogenase2 subunit e2 from mycobacterium tuberculosis
58	<a href="#">c1nijA</a>		Alignment	not modelled	9.2	7	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein yjia; <b>PDBTitle:</b> yjia protein
59	<a href="#">d2dy1a4</a>		Alignment	not modelled	8.6	11	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> EF-G C-terminal domain-like <b>Family:</b> EF-G/eEF-2 domains III and V
60	<a href="#">c6h6pA</a>		Alignment	not modelled	8.5	12	<b>PDB header:</b> lipid binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> ubiquinone biosynthesis protein ubij; <b>PDBTitle:</b> ubij-scp2 ubiquinone synthesis protein
61	<a href="#">d1u8sa2</a>		Alignment	not modelled	8.5	13	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> ACT-like <b>Family:</b> Glycine cleavage system transcriptional repressor
62	<a href="#">c4q6rB</a>		Alignment	not modelled	8.1	2	<b>PDB header:</b> lyase/lyase inhibitor <b>Chain:</b> B: <b>PDB Molecule:</b> sphingosine-1-phosphate lyase 1; <b>PDBTitle:</b> crystal structure of human sphingosine-1-phosphate lyase in complex2 with inhibitor 6-[(2r)-4-(4-benzyl-7-chlorophthalazin-1-yl)-2-3 methylpiperazin-1-yl]pyridine-3-carbonitrile
63	<a href="#">c1o7dC</a>		Alignment	not modelled	7.7	33	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> lysosomal alpha-mannosidase; <b>PDBTitle:</b> the structure of the bovine lysosomal a-mannosidase suggests a novel2 mechanism for low ph activation
64	<a href="#">d1qnna2</a>		Alignment	not modelled	7.6	8	<b>Fold:</b> TBP-like <b>Superfamily:</b> TATA-box binding protein-like <b>Family:</b> TATA-box binding protein (TBP), C-terminal domain
65	<a href="#">d2h1ta1</a>		Alignment	not modelled	7.5	44	<b>Fold:</b> Spiral beta-roll <b>Superfamily:</b> PA1994-like <b>Family:</b> PA1994-like
66	<a href="#">c5ti8A</a>		Alignment	not modelled	7.5	10	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> aminotransferase; <b>PDBTitle:</b> crystal structure of an aspartate aminotransferase from pseudomonas
67	<a href="#">d1k3ea</a>		Alignment	not modelled	7.5	10	<b>Fold:</b> Secretion chaperone-like <b>Superfamily:</b> Type III secretory system chaperone-like <b>Family:</b> Type III secretory system chaperone
68	<a href="#">c6io1B</a>		Alignment	not modelled	7.3	10	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> aminotransferase, class iii; <b>PDBTitle:</b> crystal structure of a novel thermostable (s)-enantioselective omega-2 transaminase from thermomicrobium roseum
69	<a href="#">c2p0yA</a>		Alignment	not modelled	7.3	5	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein lp_0780; <b>PDBTitle:</b> crystal structure of q88y3_lacpl from lactobacillus plantarum.2 northeast structural genomics consortium target lpr6
70	<a href="#">c6noyB</a>		Alignment	not modelled	7.0	7	<b>PDB header:</b> structural protein <b>Chain:</b> B: <b>PDB Molecule:</b> maintenance of carboxysome positioning b protein, mcsb; <b>PDBTitle:</b> structure of cyanothece mcdb
71	<a href="#">c4fxeB</a>		Alignment	not modelled	6.7	15	<b>PDB header:</b> toxin/toxin inhibitor <b>Chain:</b> B: <b>PDB Molecule:</b> antitoxin relb; <b>PDBTitle:</b> crystal structure of the intact e. coli relbe toxin-antitoxin complex
72	<a href="#">d1zh2a1</a>		Alignment	not modelled	6.7	29	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> CheY-like <b>Family:</b> CheY-related
73	<a href="#">c2k5jB</a>		Alignment	not modelled	6.4	3	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein yiif; <b>PDBTitle:</b> solution structure of protein yiif from shigella flexneri2 serotype 5b (strain 8401) . northeast structural genomics3 consortium target sft1
74	<a href="#">c2k29A</a>		Alignment	not modelled	6.3	15	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> antitoxin relb; <b>PDBTitle:</b> structure of the dbd domain of e. coli antitoxin relb
75	<a href="#">c1u8sB</a>		Alignment	not modelled	6.3	13	<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
76	<a href="#">d1p94a</a>		Alignment	not modelled	6.2	21	<b>Fold:</b> Ribbon-helix-helix <b>Superfamily:</b> Ribbon-helix-helix <b>Family:</b> CopG-like
77	<a href="#">c3b8kA</a>		Alignment	not modelled	6.1	11	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> dihydrolipoyllysine-residue acetyltransferase; <b>PDBTitle:</b> structure of the truncated human dihydrolipoyl acetyltransferase (e2)
78	<a href="#">c3n0vD</a>		Alignment	not modelled	5.9	3	<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_03272 from pseudomonas putida kt2440 at 2.25 a resolution

79	<a href="#">c2k9iB_</a>		not modelled	5.6	4	<b>Chain: B: PDB Molecule:</b> uncharacterized protein orf56; <b>PDBTitle:</b> nmr structure of plasmid copy control protein orf56 from sulfolobus2 islandicus
80	<a href="#">c3g98B_</a>		not modelled	5.5	14	<b>PDB header:</b> ligase <b>Chain: B: PDB Molecule:</b> alanyl-tRNA synthetase; <b>PDBTitle:</b> crystal structure of the C-ala domain from <i>aquifex aeolicus</i> 2 alanyl-tRNA synthetase
81	<a href="#">c2ji4C_</a>		not modelled	5.3	16	<b>PDB header:</b> transferase <b>Chain: C: PDB Molecule:</b> lipoamide acyltransferase component of branched-chain <b>PDBTitle:</b> crystal structure of a cubic core of the dihydrolipoamide2 acyltransferase (e2b) component in the branched-chain alpha-ketoacid3 dehydrogenase complex (bckdc), coenzyme A-bound form
82	<a href="#">d2cpga_</a>		not modelled	5.3	15	<b>Fold:</b> Ribbon-helix-helix <b>Superfamily:</b> Ribbon-helix-helix <b>Family:</b> CopG-like
83	<a href="#">c1ea4K_</a>		not modelled	5.3	15	<b>PDB header:</b> gene regulation/dna <b>Chain: K: PDB Molecule:</b> transcriptional repressor copg; <b>PDBTitle:</b> transcriptional repressor copg/22bp dsDNA complex
84	<a href="#">d1m6sa_</a>		not modelled	5.2	0	<b>Fold:</b> PLP-dependent transferase-like <b>Superfamily:</b> PLP-dependent transferases <b>Family:</b> AAT-like