

# Phyre<sup>2</sup>

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Description	RVBD3227_(aroA)_3603374_3604726
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Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2o0za_	Alignment		100.0	100	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> 3-phosphoshikimate 1-carboxyvinyltransferase; <b>PDBTitle:</b> mycobacterium tuberculosis epsp synthase in complex with product (eps)
2	d1g6sa_	Alignment		100.0	32	<b>Fold:</b> I3-like <b>Superfamily:</b> EPT/RTPC-like <b>Family:</b> Enolpyruvate transferase, EPT
3	c5xwbB_	Alignment		100.0	31	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> 3-phosphoshikimate 1-carboxyvinyltransferase; <b>PDBTitle:</b> crystal structure of 5-enolpyruvulshikimate-3-phosphate synthase from a psychrophilic bacterium, colwellia psychrerythraea
4	c5bufA_	Alignment		100.0	26	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> 3-phosphoshikimate 1-carboxyvinyltransferase; <b>PDBTitle:</b> 2.37 angstrom structure of epsp synthase from acinetobacter baumannii
5	d1rf6a_	Alignment		100.0	24	<b>Fold:</b> I3-like <b>Superfamily:</b> EPT/RTPC-like <b>Family:</b> Enolpyruvate transferase, EPT
6	c3roiA_	Alignment		100.0	29	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> 3-phosphoshikimate 1-carboxyvinyltransferase; <b>PDBTitle:</b> 2.20 angstrom resolution structure of 3-phosphoshikimate 1-2 carboxyvinyltransferase (aroa) from coxiella burnetii
7	c3r38A_	Alignment		100.0	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> udp-n-acetylglucosamine 1-carboxyvinyltransferase; <b>PDBTitle:</b> 2.23 angstrom resolution crystal structure of udp-n-acetylglucosamine2 1-carboxyvinyltransferase (mura) from listeria monocytogenes egd-e
8	c2pqdA_	Alignment		100.0	28	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> 3-phosphoshikimate 1-carboxyvinyltransferase; <b>PDBTitle:</b> a100g cp4 epsps liganded with (r)-difluoromethyl tetrahedral reaction2 intermediate analog
9	c5ujsB_	Alignment		100.0	19	<b>PDB header:</b> hydrolase,oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> udp-n-acetylglucosamine 1-carboxyvinyltransferase; <b>PDBTitle:</b> 2.45 angstrom resolution crystal structure of udp-n-acetylglucosamine2 1-carboxyvinyltransferase from campylobacter jejuni.
10	c3rmtB_	Alignment		100.0	27	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> 3-phosphoshikimate 1-carboxyvinyltransferase 1; <b>PDBTitle:</b> crystal structure of putative 5-enolpyruvylshikimate-3-phosphate2 synthase from bacillus halodurans c-125
11	d1ejda_	Alignment		100.0	19	<b>Fold:</b> I3-like <b>Superfamily:</b> EPT/RTPC-like <b>Family:</b> Enolpyruvate transferase, EPT
						<b>PDB header:</b> lipid-binding protein

12	<a href="#">c5u4hB</a>	Alignment		100.0	18	<b>Chain: B: PDB Molecule:</b> udp-n-acetylglucosamine 1-carboxyvinyltransferase; <b>PDBTitle:</b> 1.05 angstrom resolution crystal structure of udp-n-acetylglucosamine2 1-carboxyvinyltransferase from acinetobacter baumannii in covalently3 bound complex with (2r)-2-(phosphonoxy)propanoic acid.
13	<a href="#">d1uaea</a>	Alignment		100.0	18	<b>Fold:</b> IF3-like <b>Superfamily:</b> EPT/RTPC-like <b>Family:</b> Enolpyruvate transferase, EPT
14	<a href="#">c5wi5C</a>	Alignment		100.0	19	<b>PDB header:</b> transferase <b>Chain: C: PDB Molecule:</b> udp-n-acetylglucosamine 1-carboxyvinyltransferase 1; <b>PDBTitle:</b> 2.0 angstrom resolution crystal structure of udp-n-acetylglucosamine2 1-carboxyvinyltransferase from streptococcus pneumoniae in complex3 with uridine-diphosphate-2(n-acetylglucosaminyl) butyric acid, (2r)-4 2-(phosphonoxy)propanoic acid and magnesium.
15	<a href="#">c5bg2C</a>	Alignment		100.0	18	<b>PDB header:</b> transferase <b>Chain: C: PDB Molecule:</b> udp-n-acetylglucosamine 1-carboxyvinyltransferase; <b>PDBTitle:</b> crystal structure of udp-n-acetylglucosamine 1-carboxyvinyltransferase2 (udp-n-acetylglucosamine enolpyruvyl transferase, ept) from3 pseudomonas aeruginosa
16	<a href="#">c3zh3A</a>	Alignment		100.0	17	<b>PDB header:</b> transferase <b>Chain: A: PDB Molecule:</b> udp-n-acetylglucosamine 1-carboxyvinyltransferase; <b>PDBTitle:</b> crystal structure of s. pneumoniae d39 native mural
17	<a href="#">c4fqdA</a>	Alignment		100.0	21	<b>PDB header:</b> transferase <b>Chain: A: PDB Molecule:</b> niko protein; <b>PDBTitle:</b> crystal structure of the enolpyruvyl transferase niko from2 streptomyces tendae
18	<a href="#">c2yvwA</a>	Alignment		100.0	17	<b>PDB header:</b> transferase <b>Chain: A: PDB Molecule:</b> udp-n-acetylglucosamine 1-carboxyvinyltransferase; <b>PDBTitle:</b> crystal structure of udp-n-acetylglucosamine 1-carboxyvinyltransferase2 from aquifex aeolicus vf5
19	<a href="#">d1p88a</a>	Alignment		100.0	31	<b>Fold:</b> IF3-like <b>Superfamily:</b> EPT/RTPC-like <b>Family:</b> Enolpyruvate transferase, EPT
20	<a href="#">d1qmh2</a>	Alignment		96.1	19	<b>Fold:</b> IF3-like <b>Superfamily:</b> EPT/RTPC-like <b>Family:</b> RNA 3'-terminal phosphate cyclase, RPTC
21	<a href="#">c3pqvD</a>	Alignment	not modelled	95.3	16	<b>PDB header:</b> unknown function <b>Chain: D: PDB Molecule:</b> rcl1 protein; <b>PDBTitle:</b> cyclase homolog
22	<a href="#">c1qmiC</a>	Alignment	not modelled	94.5	22	<b>PDB header:</b> ligase <b>Chain: C: PDB Molecule:</b> rna 3'-terminal phosphate cyclase; <b>PDBTitle:</b> crystal structure of rna 3'-terminal phosphate cyclase, an2 ubiquitous enzyme with unusual topology
23	<a href="#">c4o8jB</a>	Alignment	not modelled	71.8	21	<b>PDB header:</b> ligase/rna <b>Chain: B: PDB Molecule:</b> rna 3'-terminal phosphate cyclase; <b>PDBTitle:</b> crystal structure of rtca, the rna 3'-terminal phosphate cyclase from2 pyrococcus horikoshii, in complex with racaaa3'phosphate and adenine.
24	<a href="#">c4muoB</a>	Alignment	not modelled	58.1	17	<b>PDB header:</b> dna binding protein <b>Chain: B: PDB Molecule:</b> uncharacterized protein ybib; <b>PDBTitle:</b> the trpd2 enzyme from e.coli: ybib
25	<a href="#">d1x9za</a>	Alignment	not modelled	55.6	19	<b>Fold:</b> DNA mismatch repair protein MutL <b>Superfamily:</b> DNA mismatch repair protein MutL <b>Family:</b> DNA mismatch repair protein MutL
26	<a href="#">c1khD</a>	Alignment	not modelled	42.7	15	<b>PDB header:</b> transferase <b>Chain: D: PDB Molecule:</b> anthranilate phosphoribosyltransferase; <b>PDBTitle:</b> crystal structure analysis of the anthranilate2 phosphoribosyltransferase from erwinia carotovora at 1.9 resolution3 (current name, pectobacterium carotovorum)
27	<a href="#">c1v8gB</a>	Alignment	not modelled	35.1	21	<b>PDB header:</b> transferase <b>Chain: B: PDB Molecule:</b> anthranilate phosphoribosyltransferase; <b>PDBTitle:</b> crystal structure of anthranilate phosphoribosyltransferase2 (trpd) from thermus thermophilus hb8
28	<a href="#">c2ox1C</a>	Alignment	not modelled	34.0	12	<b>PDB header:</b> lyase <b>Chain: C: PDB Molecule:</b> 3-dehydroquinate dehydratase; <b>PDBTitle:</b> archaeal dehydroquinase
						<b>Fold:</b> Common fold of diphtheria toxin/transcription

29	<a href="#">d1a66a_</a>		not modelled	31.1	33	factors/cytochrome f <b>Superfamily:</b> p53-like transcription factors <b>Family:</b> Rel/Dorsal transcription factors, DNA-binding domain
30	<a href="#">d2fvta1</a>		not modelled	29.9	12	<b>Fold:</b> MTH938-like <b>Superfamily:</b> MTH938-like <b>Family:</b> MTH938-like
31	<a href="#">d1ml4a2</a>		not modelled	29.8	13	<b>Fold:</b> ATC-like <b>Superfamily:</b> Aspartate/ornithine carbamoyltransferase <b>Family:</b> Aspartate/ornithine carbamoyltransferase
32	<a href="#">c4gtnA_</a>		not modelled	29.6	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> anthranilate phosphoribosyltransferase; <b>PDBTitle:</b> structure of anthranilate phosphoribosyl transferase from2 acetinobacter baylyi
33	<a href="#">d1a9xa1</a>		not modelled	27.1	25	<b>Fold:</b> Carbamoyl phosphate synthetase, large subunit connection domain <b>Superfamily:</b> Carbamoyl phosphate synthetase, large subunit connection domain <b>Family:</b> Carbamoyl phosphate synthetase, large subunit connection domain
34	<a href="#">d1ekxa2</a>		not modelled	26.0	13	<b>Fold:</b> ATC-like <b>Superfamily:</b> Aspartate/ornithine carbamoyltransferase <b>Family:</b> Aspartate/ornithine carbamoyltransferase
35	<a href="#">c3ncvB_</a>		not modelled	25.5	19	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> dna mismatch repair protein mutl; <b>PDBTitle:</b> ngol
36	<a href="#">c2zxra_</a>		not modelled	24.6	24	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> single-stranded dna specific exonuclease recj; <b>PDBTitle:</b> crystal structure of recj in complex with mg2+ from thermus2 thermophilus hb8
37	<a href="#">d2atca2</a>		not modelled	24.4	13	<b>Fold:</b> ATC-like <b>Superfamily:</b> Aspartate/ornithine carbamoyltransferase <b>Family:</b> Aspartate/ornithine carbamoyltransferase
38	<a href="#">c2gm2A_</a>		not modelled	24.1	11	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> conserved hypothetical protein; <b>PDBTitle:</b> nmr structure of xanthomonas campestris xcc1710: northeast2 structural genomics consortium target xcr35
39	<a href="#">c3gabC_</a>		not modelled	23.9	14	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> dna mismatch repair protein mutl; <b>PDBTitle:</b> c-terminal domain of bacillus subtilis mutl crystal form i
40	<a href="#">c5f56A_</a>		not modelled	22.3	31	<b>PDB header:</b> dna binding protein/dna <b>Chain:</b> A: <b>PDB Molecule:</b> single-stranded-dna-specific exonuclease; <b>PDBTitle:</b> structure of recj complexed with dna and ssb-ct
41	<a href="#">c2yswB_</a>		not modelled	17.8	15	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> 3-dehydroquinate dehydratase; <b>PDBTitle:</b> crystal structure of the 3-dehydroquinate dehydratase from aquifex2 aeolicus vf5
42	<a href="#">c4kjeA_</a>		not modelled	16.4	14	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> glutaredoxin; <b>PDBTitle:</b> atomic resolution structure of pfgrx1
43	<a href="#">c2ltkA_</a>		not modelled	16.2	26	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> mono-cysteine glutaredoxin; <b>PDBTitle:</b> solution structure of a monomeric truncated mutant of trypanosoma2 brucei 1-c-grx1
44	<a href="#">c1o17A_</a>		not modelled	16.0	26	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> anthranilate phosphoribosyltransferase; <b>PDBTitle:</b> anthranilate phosphoribosyl-transferase (trpd)
45	<a href="#">d2fi9a1</a>		not modelled	15.3	10	<b>Fold:</b> MTH938-like <b>Superfamily:</b> MTH938-like <b>Family:</b> MTH938-like
46	<a href="#">c5yq7L_</a>		not modelled	14.8	15	<b>PDB header:</b> photosynthesis <b>Chain:</b> L: <b>PDB Molecule:</b> precursor for l subunits of photosynthetic reaction center; <b>PDBTitle:</b> cryo-em structure of the rc-lh core complex from roseiflexus2 castenholzii
47	<a href="#">d1jjcb2</a>		not modelled	14.6	28	<b>Fold:</b> Putative DNA-binding domain <b>Superfamily:</b> Putative DNA-binding domain <b>Family:</b> Domains B1 and B5 of PheRS-beta, PheT
48	<a href="#">d1ni9a_</a>		not modelled	14.5	30	<b>Fold:</b> Carbohydrate phosphatase <b>Superfamily:</b> Carbohydrate phosphatase <b>Family:</b> GlpX-like bacterial fructose-1,6-bisphosphatase
49	<a href="#">d1u0bb1</a>		not modelled	14.1	18	<b>Fold:</b> Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases <b>Superfamily:</b> Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases <b>Family:</b> Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases
50	<a href="#">c1vqza_</a>		not modelled	14.0	12	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> lipoate-protein ligase, putative; <b>PDBTitle:</b> crystal structure of a putative lipoate-protein ligase a (sp_11602) from streptococcus pneumoniae tigr4 at 1.99 a resolution
51	<a href="#">c1ml4A_</a>		not modelled	13.2	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> aspartate transcarbamoylase; <b>PDBTitle:</b> the pala-ligated aspartate transcarbamoylase catalytic subunit from2 pyrococcus abyssi
52	<a href="#">d1vpka1</a>		not modelled	12.5	20	<b>Fold:</b> DNA clamp <b>Superfamily:</b> DNA clamp <b>Family:</b> DNA polymerase III, beta subunit
53	<a href="#">c3js3C_</a>		not modelled	12.4	13	<b>PDB header:</b> lyase <b>Chain:</b> C: <b>PDB Molecule:</b> 3-dehydroquinate dehydratase; <b>PDBTitle:</b> crystal structure of type i 3-dehydroquinate dehydratase (arod) from clostridium difficile with covalent reaction intermediate <b>PDB header:</b> transferase

54	<a href="#">c2bpqB</a>	Alignment	not modelled	11.7	19	<b>Chain:</b> B; <b>PDB Molecule:</b> anthranilate phosphoribosyltransferase; <b>PDBTitle:</b> anthranilate phosphoribosyltransferase (trpD) from mycobacterium tuberculosis (apo structure)
55	<a href="#">c5nofB</a>	Alignment	not modelled	11.3	15	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> anthranilate phosphoribosyltransferase; <b>PDBTitle:</b> anthranilate phosphoribosyltransferase from thermococcus kodakaraensis
56	<a href="#">d2dy1a4</a>	Alignment	not modelled	11.2	12	<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="#">c2yr1B</a>	Alignment	not modelled	10.9	15	<b>PDB header:</b> lyase <b>Chain:</b> B; <b>PDB Molecule:</b> 3-dehydroquinate dehydratase; <b>PDBTitle:</b> crystal structure of 3-dehydroquinate dehydratase from geobacillus2 kaustophilus hta426
58	<a href="#">c4yegA</a>	Alignment	not modelled	10.9	12	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> polyphosphate kinase 2; <b>PDBTitle:</b> characterisation of polyphosphate kinase 2 from the intracellular2 pathogen francisella tularensis
59	<a href="#">c3czqA</a>	Alignment	not modelled	10.6	21	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> putative polyphosphate kinase 2; <b>PDBTitle:</b> crystal structure of putative polyphosphate kinase 2 from2 sinorhizobium meliloti
60	<a href="#">c2gjhA</a>	Alignment	not modelled	10.5	29	<b>PDB header:</b> de novo protein <b>Chain:</b> A; <b>PDB Molecule:</b> designed protein; <b>PDBTitle:</b> nmr structure of cfr (c-terminal fragment of2 computationally designed novel-topology protein top7)
61	<a href="#">c3nr6A</a>	Alignment	not modelled	10.3	32	<b>PDB header:</b> hydrolase/inhibitor <b>Chain:</b> A; <b>PDB Molecule:</b> protease p14; <b>PDBTitle:</b> crystal structure of xenotropic murine leukemia virus-related virus2 (xmrV) protease
62	<a href="#">d1sr9a3</a>	Alignment	not modelled	10.1	21	<b>Fold:</b> 2-isopropylmalate synthase LeuA, allosteric (dimerisation) domain <b>Superfamily:</b> 2-isopropylmalate synthase LeuA, allosteric (dimerisation) domain <b>Family:</b> 2-isopropylmalate synthase LeuA, allosteric (dimerisation) domain
63	<a href="#">c5m64M</a>	Alignment	not modelled	10.0	19	<b>PDB header:</b> transcription <b>Chain:</b> M; <b>PDB Molecule:</b> dna-directed rna polymerase i subunit rpa49; <b>PDBTitle:</b> rna polymerase i elongation complex with a49 tandem winged helix2 domain
64	<a href="#">c6ayyB</a>	Alignment	not modelled	9.9	30	<b>PDB header:</b> hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> fructose-1,6-bisphosphatase class 2; <b>PDBTitle:</b> crystal structure of apo fructose-1,6-bisphosphatase from2 mycobacterium tuberculosis
65	<a href="#">c5ld1D</a>	Alignment	not modelled	9.7	7	<b>PDB header:</b> transferase <b>Chain:</b> D; <b>PDB Molecule:</b> polyphosphate:amp phosphotransferase; <b>PDBTitle:</b> crystal structure of polyphosphate kinase from meiothermus ruber bound2 to atp
66	<a href="#">d1nh2a1</a>	Alignment	not modelled	9.4	14	<b>Fold:</b> TBP-like <b>Superfamily:</b> TATA-box binding protein-like <b>Family:</b> TATA-box binding protein (TBP), C-terminal domain
67	<a href="#">c2zc3F</a>	Alignment	not modelled	9.3	11	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> F; <b>PDB Molecule:</b> penicillin-binding protein 2x; <b>PDBTitle:</b> penicillin-binding protein 2x (ppb 2x) acyl-enzyme complex2 (biapenem) from streptococcus pneumoniae
68	<a href="#">c6ageB</a>	Alignment	not modelled	9.3	11	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> molecule a; <b>PDBTitle:</b> crystal structure of ppk2 in complex with mg atp
69	<a href="#">c3rojD</a>	Alignment	not modelled	9.1	35	<b>PDB header:</b> hydrolase <b>Chain:</b> D; <b>PDB Molecule:</b> d-fructose 1,6-bisphosphatase class 2/sedoheptulose 1,7- <b>PDBTitle:</b> d-fructose 1,6-bisphosphatase class 2/sedoheptulose 1,7-bisphosphatase2 of synecchocystis sp. pcc 6803
70	<a href="#">c3rhfB</a>	Alignment	not modelled	8.9	11	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> putative polyphosphate kinase 2 family protein; <b>PDBTitle:</b> crystal structure of polyphosphate kinase 2 from arthrobacter2 aurescens tc1
71	<a href="#">d1k8ba</a>	Alignment	not modelled	8.7	15	<b>Fold:</b> Ribosome binding domain-like <b>Superfamily:</b> Translation initiation factor 2 beta, alF2beta, N-terminal domain <b>Family:</b> Translation initiation factor 2 beta, alF2beta, N-terminal domain
72	<a href="#">c2cxia</a>	Alignment	not modelled	8.7	14	<b>PDB header:</b> ligase <b>Chain:</b> A; <b>PDB Molecule:</b> phenylalanyl-trna synthetase beta chain; <b>PDBTitle:</b> crystal structure of an n-terminal fragment of the phenylalanyl-trna2 synthetase beta-subunit from pyrococcus horikoshii
73	<a href="#">d1r7ma2</a>	Alignment	not modelled	8.6	15	<b>Fold:</b> Homing endonuclease-like <b>Superfamily:</b> Homing endonucleases <b>Family:</b> Group I mobile intron endonuclease
74	<a href="#">c3nfiB</a>	Alignment	not modelled	8.3	19	<b>PDB header:</b> dna binding protein, transcription <b>Chain:</b> B; <b>PDB Molecule:</b> dna-directed rna polymerase i subunit rpa49; <b>PDBTitle:</b> crystal structure of tandem winged helix domain of rna polymerase i2 subunit a49
75	<a href="#">c3oqqA</a>	Alignment	not modelled	8.1	17	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A; <b>PDB Molecule:</b> putative lipoprotein; <b>PDBTitle:</b> crystal structure of a putative lipoprotein (bacova_00967) from2 bacteroides ovatus at 2.08 a resolution
76	<a href="#">c3c6aA</a>	Alignment	not modelled	7.6	22	<b>PDB header:</b> viral protein <b>Chain:</b> A; <b>PDB Molecule:</b> terminase large subunit; <b>PDBTitle:</b> crystal structure of the rb49 gp17 nuclelease domain
77	<a href="#">c4tr1A</a>	Alignment	not modelled	7.5	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> glutaredoxin 3; <b>PDBTitle:</b> crystal structure of gsh-bound cgrx2/c15s

78	<a href="#">d1cdwa1</a>	Alignment	not modelled	7.5	18	<b>Superfamily:</b> TATA-box binding protein-like <b>Family:</b> TATA-box binding protein (TBP), C-terminal domain
79	<a href="#">c2rgwD</a>	Alignment	not modelled	7.0	11	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> aspartate carbamoyltransferase; <b>PDBTitle:</b> catalytic subunit of m. jannaschii aspartate2 transcarbamoylase
80	<a href="#">c5w66M</a>	Alignment	not modelled	7.0	19	<b>PDB header:</b> transcription <b>Chain:</b> M: <b>PDB Molecule:</b> dna-directed rna polymerase i subunit rpa49; <b>PDBTitle:</b> rna polymerase i initial transcribing complex state 3
81	<a href="#">c5mwwA</a>	Alignment	not modelled	7.0	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> rna polymerase sigma factor siga; <b>PDBTitle:</b> sigma1.1 domain of sigmata from bacillus subtilis
82	<a href="#">c2hp0A</a>	Alignment	not modelled	6.9	13	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> ids-epimerase; <b>PDBTitle:</b> crystal structure of iminodisuccinate epimerase
83	<a href="#">c2jugB</a>	Alignment	not modelled	6.9	21	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> B: <b>PDB Molecule:</b> tubc protein; <b>PDBTitle:</b> multienzyme docking in hybrid megasynthetases
84	<a href="#">c3l9cA</a>	Alignment	not modelled	6.9	12	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> 3-dehydroquinate dehydratase; <b>PDBTitle:</b> the crystal structure of smu.777 from streptococcus mutans ua159
85	<a href="#">c3fs2A</a>	Alignment	not modelled	6.8	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> 2-dehydro-3-deoxyphosphooctonate aldolase; <b>PDBTitle:</b> crystal structure of 2-dehydro-3-deoxyphosphooctonate aldolase from brucella melitensis at 1.85a resolution
86	<a href="#">c5ij6A</a>	Alignment	not modelled	6.8	10	<b>PDB header:</b> ligase,transferase <b>Chain:</b> A: <b>PDB Molecule:</b> lipote--protein ligase; <b>PDBTitle:</b> crystal structure of enterococcus faecalis lipote-protein ligase a2 (lpla-1) in complex with lipoic acid
87	<a href="#">d1omha</a>	Alignment	not modelled	6.8	30	<b>Fold:</b> Origin of replication-binding domain, RBD-like <b>Superfamily:</b> Origin of replication-binding domain, RBD-like <b>Family:</b> Relaxase domain
88	<a href="#">c2k2eA</a>	Alignment	not modelled	6.7	20	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein bp2786; <b>PDBTitle:</b> solution nmr structure of bordetella pertussis protein2 bp2786, a mth938-like domain. northeast structural3 genomics consortium target ber31
89	<a href="#">d1sqia1</a>	Alignment	not modelled	6.6	12	<b>Fold:</b> Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase <b>Superfamily:</b> Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase <b>Family:</b> Extradiol dioxygenases
90	<a href="#">c2k6xA</a>	Alignment	not modelled	6.5	27	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> rna polymerase sigma factor rpd; <b>PDBTitle:</b> autoregulation of a group 1 bacterial sigma factor involves2 the formation of a region 1.1- induced compacted structure
91	<a href="#">d1tuga1</a>	Alignment	not modelled	6.4	15	<b>Fold:</b> ATC-like <b>Superfamily:</b> Aspartate/ornithine carbamoyltransferase <b>Family:</b> Aspartate/ornithine carbamoyltransferase
92	<a href="#">d1lqna1</a>	Alignment	not modelled	6.3	22	<b>Fold:</b> TBP-like <b>Superfamily:</b> TATA-box binding protein-like <b>Family:</b> TATA-box binding protein (TBP), C-terminal domain
93	<a href="#">c5zjgD</a>	Alignment	not modelled	6.2	18	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> gamma-glutamyltransferase 1 threonine peptidase. merops <b>PDBTitle:</b> gamma-glutamyltranspeptidase from pseudomonas nitroreducens complexed2 with gly-gly
94	<a href="#">c5jxpA</a>	Alignment	not modelled	6.2	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> asp/glu-specific dipeptidyl-peptidase; <b>PDBTitle:</b> crystal structure of porphyromonas endodontalis dpp11 in alternate2 conformation
95	<a href="#">d1gqna</a>	Alignment	not modelled	6.2	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Aldolase <b>Family:</b> Class I aldolase
96	<a href="#">c4p71B</a>	Alignment	not modelled	6.0	17	<b>PDB header:</b> ligase <b>Chain:</b> B: <b>PDB Molecule:</b> phenylalanine--trna ligase beta subunit; <b>PDBTitle:</b> apo phers from p. aeurginosa
97	<a href="#">c3b8iF</a>	Alignment	not modelled	5.9	20	<b>PDB header:</b> lyase <b>Chain:</b> F: <b>PDB Molecule:</b> pa4872 oxaloacetate decarboxylase; <b>PDBTitle:</b> crystal structure of oxaloacetate decarboxylase from pseudomonas2 aeruginosa (pa4872) in complex with oxalate and mg2+.
98	<a href="#">d1leysl</a>	Alignment	not modelled	5.8	23	<b>Fold:</b> Bacterial photosystem II reaction centre, L and M subunits <b>Superfamily:</b> Bacterial photosystem II reaction centre, L and M subunits <b>Family:</b> Bacterial photosystem II reaction centre, L and M subunits
99	<a href="#">c5tgtA</a>	Alignment	not modelled	5.6	26	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> glutamate--trna ligase; <b>PDBTitle:</b> crystal structure of glycyl-trna synthetase glurs from pseudomonas2 aeruginosa