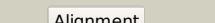
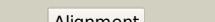
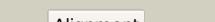
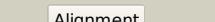
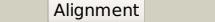
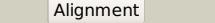
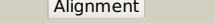
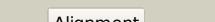
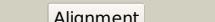
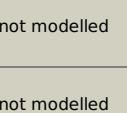


Phyre²

Email	mdejesus@rockefeller.edu
Description	RVBD1611_(trpC)_1810247_1811065
Date	Fri Aug 2 13:30:20 BST 2019
Unique Job ID	3412228383bdfa4f

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1piiA			100.0	35	PDB header: bifunctional(isomerase and synthase) Chain: A: PDB Molecule: n-(5'phosphoribosyl)anthranilate isomerase; PDBTitle: three-dimensional structure of the bifunctional enzyme2 phosphoribosylanthranilate isomerase: indoleglycerolphosphate3 synthase from escherichia coli refined at 2.0 angstroms resolution
2	d1piiA2			100.0	35	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Tryptophan biosynthesis enzymes
3	c3qjaA			100.0	97	PDB header: lyase Chain: A: PDB Molecule: indole-3-glycerol phosphate synthase; PDBTitle: crystal structure of the mycobacterium tuberculosis indole-3-glycerol2 phosphate synthase (trpc) in apo form
4	c6bmaA			100.0	37	PDB header: lyase Chain: A: PDB Molecule: indole-3-glycerol phosphate synthase; PDBTitle: the crystal structure of indole-3-glycerol phosphate synthase from2 campylobacter jejuni subsp. jejuni nctc 11168
5	c3tsmB			100.0	39	PDB header: lyase Chain: B: PDB Molecule: indole-3-glycerol phosphate synthase; PDBTitle: crystal structure of indole-3-glycerol phosphate synthase from2 brucella melitensis
6	d1vc4a			100.0	44	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Tryptophan biosynthesis enzymes
7	d1i4na			100.0	29	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Tryptophan biosynthesis enzymes
8	d1a53a			100.0	33	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Tryptophan biosynthesis enzymes
9	d1j5ta			100.0	30	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Tryptophan biosynthesis enzymes
10	c2c3zA			100.0	35	PDB header: lyase Chain: A: PDB Molecule: indole-3-glycerol phosphate synthase; PDBTitle: crystal structure of a truncated variant of indole-3-2 glycerol phosphate synthase from sulfolobus solfataricus
11	d1znna1			100.0	23	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: PdxS-like

12	c1znnF	Alignment		100.0	23	PDB header: biosynthetic protein Chain: F: PDB Molecule: plp synthase; PDBTitle: structure of the synthase subunit of plp synthase
13	d1qopa	Alignment		100.0	14	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Tryptophan biosynthesis enzymes
14	c5tchG	Alignment		100.0	21	PDB header: lyase Chain: G: PDB Molecule: tryptophan synthase alpha chain; PDBTitle: crystal structure of tryptophan synthase from m. tuberculosis -2 ligand-free form, trpa-g66v mutant
15	c3igsB	Alignment		100.0	19	PDB header: isomerase Chain: B: PDB Molecule: n-acetylmannosamine-6-phosphate 2-epimerase 2; PDBTitle: structure of the salmonella enterica n-acetylmannosamine-6-phosphate 2-epimerase
16	c3q58A	Alignment		100.0	20	PDB header: isomerase Chain: A: PDB Molecule: n-acetylmannosamine-6-phosphate 2-epimerase; PDBTitle: structure of n-acetylmannosamine-6-phosphate epimerase from salmonella2 enterica
17	c5k9xA	Alignment		100.0	15	PDB header: lyase Chain: A: PDB Molecule: tryptophan synthase alpha chain; PDBTitle: crystal structure of tryptophan synthase alpha chain from legionella2 pneumophila subsp. pneumophila
18	c3vndD	Alignment		100.0	15	PDB header: lyase Chain: D: PDB Molecule: tryptophan synthase alpha chain; PDBTitle: crystal structure of tryptophan synthase alpha-subunit from the2 psychrophile shewanella frigidimarina k14-2
19	c5kzmA	Alignment		100.0	14	PDB header: lyase Chain: A: PDB Molecule: tryptophan synthase alpha chain; PDBTitle: crystal structure of tryptophan synthase alpha-beta chain complex from2 francisella tularensis
20	c3navB	Alignment		100.0	13	PDB header: lyase Chain: B: PDB Molecule: tryptophan synthase alpha chain; PDBTitle: crystal structure of an alpha subunit of tryptophan synthase from2 vibrio cholerae o1 biovar el tor str. n16961
21	c2ekcA	Alignment	not modelled	100.0	15	PDB header: lyase Chain: A: PDB Molecule: tryptophan synthase alpha chain; PDBTitle: structural study of project id aq_1548 from aquifex aeolicus vf5
22	d1ujpa	Alignment	not modelled	100.0	15	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Tryptophan biosynthesis enzymes
23	c5ey5A	Alignment	not modelled	100.0	18	PDB header: lyase Chain: A: PDB Molecule: lbcats-a; PDBTitle: lbcats
24	c5kinC	Alignment	not modelled	100.0	15	PDB header: lyase Chain: C: PDB Molecule: tryptophan synthase alpha chain; PDBTitle: crystal structure of tryptophan synthase alpha beta complex from2 streptococcus pneumoniae
25	c4x2rA	Alignment	not modelled	100.0	23	PDB header: isomerase Chain: A: PDB Molecule: 1-(5-phosphoribosyl)-5-[(5-phosphoribosylamino) PDBTitle: crystal structure of pria from actinomyces urogenitalis
26	c2h6rG	Alignment	not modelled	100.0	15	PDB header: isomerase Chain: G: PDB Molecule: triosephosphate isomerase; PDBTitle: crystal structure of triosephosphate isomerase (tim) from2 methanocaldococcus jannaschii
27	d1yxya1	Alignment	not modelled	100.0	18	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: NanE-like
28	c5zjnB	Alignment	not modelled	100.0	17	PDB header: isomerase Chain: B: PDB Molecule: putative n-acetylmannosamine-6-phosphate 2-epimerase; PDBTitle: structure of n-acetylmannosamine-6-phosphate-2-epimerase from vibrio2 cholerae with n-acetylmannosamine-6-

						phosphate
29	d1w0ma	Alignment	not modelled	100.0	22	Fold: TIM beta/alpha-barrel Superfamily: Triosephosphate isomerase (TIM) Family: Triosephosphate isomerase (TIM)
30	c5cssA	Alignment	not modelled	100.0	22	PDB header: isomerase Chain: A: PDB Molecule: triosephosphate isomerase; PDBTitle: crystal structure of triosephosphate isomerase from thermoplasma2 acidophilum with glycerol 3-phosphate
31	d1rd5a	Alignment	not modelled	100.0	16	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Tryptophan biosynthesis enzymes
32	c5zknA	Alignment	not modelled	100.0	18	PDB header: isomerase Chain: A: PDB Molecule: putative n-acetylmannosamine-6-phosphate 2-epimerase; PDBTitle: structure of n-acetylmannosamine-6-phosphate 2-epimerase from2 fusobacterium nucleatum
33	c4utwB	Alignment	not modelled	100.0	16	PDB header: isomerase Chain: B: PDB Molecule: putative n-acetylmannosamine-6-phosphate 2-epimerase; PDBTitle: structural characterisation of nane, mannac6p c2 epimerase,2 from clostridium perfringens
34	c4axkB	Alignment	not modelled	100.0	21	PDB header: isomerase Chain: B: PDB Molecule: 1-(5-phosphoribosyl)-5-(5'-phosphoribosylamino) PDBTitle: crystal structure of subhisa from the thermophile corynebacterium2 efficiens
35	d1rpxa	Alignment	not modelled	99.9	18	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: D-ribulose-5-phosphate 3-epimerase
36	d1h5ya	Alignment	not modelled	99.9	26	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Histidine biosynthesis enzymes
37	d1geqa	Alignment	not modelled	99.9	16	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Tryptophan biosynthesis enzymes
38	d1y0ea	Alignment	not modelled	99.9	19	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: NanE-like
39	c4gj1A	Alignment	not modelled	99.9	18	PDB header: isomerase Chain: A: PDB Molecule: 1-(5-phosphoribosyl)-5-[5-phosphoribosylamino) PDBTitle: crystal structure of 1-(5-phosphoribosyl)-5-[5-phosphoribosylamino]2 methyldeneamino] imidazole-4-carboxamide isomerase (hisA).
40	c5aheA	Alignment	not modelled	99.9	20	PDB header: isomerase Chain: A: PDB Molecule: PDBTitle: crystal structure of salmonella enterica hisA
41	d1ka9f	Alignment	not modelled	99.9	25	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Histidine biosynthesis enzymes
42	c4wd0A	Alignment	not modelled	99.9	18	PDB header: isomerase Chain: A: PDB Molecule: 1-(5-phosphoribosyl)-5-[5-phosphoribosylamino) PDBTitle: crystal structure of hisap form arthrobacter aurescens
43	d1tqja	Alignment	not modelled	99.9	17	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: D-ribulose-5-phosphate 3-epimerase
44	d1thfd	Alignment	not modelled	99.9	21	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Histidine biosynthesis enzymes
45	d1hg3a	Alignment	not modelled	99.9	19	Fold: TIM beta/alpha-barrel Superfamily: Triosephosphate isomerase (TIM) Family: Triosephosphate isomerase (TIM)
46	c2v85D	Alignment	not modelled	99.9	22	PDB header: isomerase Chain: D: PDB Molecule: phosphoribosyl isomerase a; PDBTitle: crystal structure of mycobacterium tuberculosis phosphoribosyl2 isomerase with bound rcdp
47	c3thaB	Alignment	not modelled	99.9	16	PDB header: lyase Chain: B: PDB Molecule: tryptophan synthase alpha chain; PDBTitle: tryptophan synthase subunit alpha from campylobacter jejuni.
48	c3tdnB	Alignment	not modelled	99.9	20	PDB header: de novo protein Chain: B: PDB Molecule: fir symmetric alpha-beta tim barrel; PDBTitle: computationally designed two-fold symmetric tim-barrel protein, fir
49	c2v82A	Alignment	not modelled	99.9	20	PDB header: lyase Chain: A: PDB Molecule: 2-dehydro-3-deoxy-6-phosphogalactonate aldolase; PDBTitle: kdpGal complexed to kdpGal
50	d2flia1	Alignment	not modelled	99.9	21	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: D-ribulose-5-phosphate 3-epimerase
51	c5umfB	Alignment	not modelled	99.9	16	PDB header: isomerase Chain: B: PDB Molecule: ribulose-phosphate 3-epimerase; PDBTitle: crystal structure of a ribulose-phosphate 3-epimerase from neisseria2 gonorrhoeae with bound phosphate
52	d1vzw1	Alignment	not modelled	99.9	21	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phoshate binding barrel Family: Histidine biosynthesis enzymes
53	c4e38A	Alignment	not modelled	99.9	12	PDB header: lyase Chain: A: PDB Molecule: keto-hydroxyglutarate-aldolase/keto-deoxy-phosphogluconate PDBTitle: crystal structure of probable keto-hydroxyglutarate-aldolase from2 vibrionales bacterium swat-3 (target efi-502156)

54	d1h1ya	Alignment	not modelled	99.9	16	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phosphate binding barrel Family: D-ribulose-5-phosphate 3-epimerase
55	c6oviA	Alignment	not modelled	99.9	18	PDB header: lyase Chain: A: PDB Molecule: keto-deoxy-phosphogluconate aldolase; PDBTitle: crystal structure of kdpg aldolase from legionella pneumophila with2 pyruvate captured at low ph as a covalent carbinolamine intermediate
56	c1jvnB	Alignment	not modelled	99.9	21	PDB header: transferase Chain: B: PDB Molecule: bifunctional histidine biosynthesis protein hishf; PDBTitle: crystal structure of imidazole glycerol phosphate synthase: a tunnel2 through a (beta/alpha)8 barrel joins two active sites
57	c3inpA	Alignment	not modelled	99.9	14	PDB header: isomerase Chain: A: PDB Molecule: d-ribulose-phosphate 3-epimerase; PDBTitle: 2.05 angstrom resolution crystal structure of d-ribulose-phosphate 3-2 epimerase from francisella tularensis.
58	d1jvna1	Alignment	not modelled	99.9	22	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phosphate binding barrel Family: Histidine biosynthesis enzymes
59	c3qc3B	Alignment	not modelled	99.9	15	PDB header: isomerase Chain: B: PDB Molecule: d-ribulose-5-phosphate-3-epimerase; PDBTitle: crystal structure of a d-ribulose-5-phosphate-3-epimerase (np_954699)2 from homo sapiens at 2.20 a resolution
60	c5n2pA	Alignment	not modelled	99.9	13	PDB header: lyase Chain: A: PDB Molecule: tryptophan synthase alpha chain; PDBTitle: sulfolobus solfataricus tryptophan synthase a
61	d1tqxa	Alignment	not modelled	99.9	11	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phosphate binding barrel Family: D-ribulose-5-phosphate 3-epimerase
62	d1vhca	Alignment	not modelled	99.9	15	Fold: TIM beta/alpha-barrel Superfamily: Aldolase Family: Class I aldolase
63	d1wbha1	Alignment	not modelled	99.9	20	Fold: TIM beta/alpha-barrel Superfamily: Aldolase Family: Class I aldolase
64	c2w6rA	Alignment	not modelled	99.9	19	PDB header: lyase Chain: A: PDB Molecule: imidazole glycerol phosphate synthase subunit PDBTitle: crystal structure of an artificial (ba)8-barrel protein2 designed from identical half barrels
65	c4nu7C	Alignment	not modelled	99.9	16	PDB header: isomerase Chain: C: PDB Molecule: ribulose-phosphate 3-epimerase; PDBTitle: 2.05 angstrom crystal structure of ribulose-phosphate 3-epimerase from2 toxoplasma gondii.
66	d2tpsa	Alignment	not modelled	99.9	21	Fold: TIM beta/alpha-barrel Superfamily: Thiamin phosphate synthase Family: Thiamin phosphate synthase
67	d1xcfA	Alignment	not modelled	99.9	14	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phosphate binding barrel Family: Tryptophan biosynthesis enzymes
68	d1wa3a1	Alignment	not modelled	99.9	18	Fold: TIM beta/alpha-barrel Superfamily: Aldolase Family: Class I aldolase
69	c4qccA	Alignment	not modelled	99.8	21	PDB header: structural protein, lyase Chain: A: PDB Molecule: 2-dehydro-3-deoxy-6-phosphogalactonate aldolase, peptidyl- PDBTitle: structure of a cube-shaped, highly porous protein cage designed by fusing symmetric oligomeric domains
70	d1qo2a	Alignment	not modelled	99.8	18	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phosphate binding barrel Family: Histidine biosynthesis enzymes
71	c4bk9B	Alignment	not modelled	99.8	17	PDB header: lyase Chain: B: PDB Molecule: 2-dehydro-3-deoxyphosphogluconate aldolase/4-hydroxy-2-oxo PDBTitle: crystal structure of 2-keto-3-deoxy-6-phospho-gluconate aldolase from zymomonas mobilis atcc 29191
72	c5b69A	Alignment	not modelled	99.8	16	PDB header: transferase Chain: A: PDB Molecule: geranylgeranylglyceryl phosphate synthase; PDBTitle: crystal structure of geranylgeranylglyceryl phosphate synthase2 complexed with an g-1-p from thermoplasma acidophilum
73	d1xi3a	Alignment	not modelled	99.8	17	Fold: TIM beta/alpha-barrel Superfamily: Thiamin phosphate synthase Family: Thiamin phosphate synthase
74	c4ml9A	Alignment	not modelled	99.8	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of uncharacterized tim barrel protein with the2 conserved phosphate binding site fromsebaldella termitidis
75	d1mxsa	Alignment	not modelled	99.8	17	Fold: TIM beta/alpha-barrel Superfamily: Aldolase Family: Class I aldolase
76	c6nkeA	Alignment	not modelled	99.8	18	PDB header: transferase Chain: A: PDB Molecule: geranylgeranylglyceryl phosphate synthase; PDBTitle: wild-type ggps from thermoplasma volcanium
77	c4jejA	Alignment	not modelled	99.8	11	PDB header: transferase Chain: A: PDB Molecule: geranylgeranylglyceryl phosphate synthase; PDBTitle: ggps from flavobacterium johnsoniae
78	c3o63B	Alignment	not modelled	99.8	23	PDB header: transferase Chain: B: PDB Molecule: probable thiamine-phosphate pyrophorylase; PDBTitle: crystal structure of thiamin phosphate synthase from

						mycobacterium2 tuberculosis
79	c4n6eA	Alignment	not modelled	99.8	17	PDB header: lyase/biosynthetic protein Chain: A: PDB Molecule: putative thiosugar synthase; PDBTitle: crystal structure of amycolatopsis orientalis bexx/cysc complex
80	c3ct7E	Alignment	not modelled	99.8	16	PDB header: isomerase Chain: E: PDB Molecule: d-allulose-6-phosphate 3-epimerase; PDBTitle: crystal structure of d-allulose 6-phosphate 3-epimerase2 from escherichia coli k-12
81	c1yadD	Alignment	not modelled	99.7	16	PDB header: transcription Chain: D: PDB Molecule: regulatory protein teni; PDBTitle: structure of teni from bacillus subtilis
82	c2agkA	Alignment	not modelled	99.7	13	PDB header: isomerase Chain: A: PDB Molecule: 1-(5-phosphoribosyl)-5-[(5-phosphoribosylamino) PDBTitle: structure of s. cerevisiae his6 protein
83	c3vkbA	Alignment	not modelled	99.7	23	PDB header: transferase Chain: A: PDB Molecule: moeo5; PDBTitle: crystal structure of moeo5 soaked with fspp overnight
84	c4adsF	Alignment	not modelled	99.7	23	PDB header: transferase/transferase Chain: F: PDB Molecule: pyridoxine biosynthetic enzyme pdx1 homologue, putative; PDBTitle: crystal structure of plasmodial plp synthase complex
85	c2zbtB	Alignment	not modelled	99.7	23	PDB header: lyase Chain: B: PDB Molecule: pyridoxal biosynthesis lyase pdxs; PDBTitle: crystal structure of pyridoxine biosynthesis protein from thermus2 thermophilus hb8
86	c5z9yB	Alignment	not modelled	99.7	19	PDB header: transferase Chain: B: PDB Molecule: thiazole synthase; PDBTitle: crystal structure of mycobacterium tuberculosis thiazole synthase2 (thig) complexed with dxp
87	d1viza	Alignment	not modelled	99.7	11	Fold: TIM beta/alpha-barrel Superfamily: FMN-linked oxidoreductases Family: FMN-linked oxidoreductases
88	c3labA	Alignment	not modelled	99.7	16	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative kdpg (2-keto-3-deoxy-6-phosphogluconate) aldolase; PDBTitle: crystal structure of a putative kdpg (2-keto-3-deoxy-6-2 phosphogluconate) aldolase from oleispira antarctica
89	c3femB	Alignment	not modelled	99.7	23	PDB header: biosynthetic protein, transferase Chain: B: PDB Molecule: pyridoxine biosynthesis protein snz1; PDBTitle: structure of the synthase subunit pdx1.1 (snz1) of plp synthase from2 saccharomyces cerevisiae
90	c3f4wA	Alignment	not modelled	99.7	14	PDB header: synthase, lyase Chain: A: PDB Molecule: putative hexulose 6 phosphate synthase; PDBTitle: the 1.65a crystal structure of 3-hexulose-6-phosphate2 synthase from salmonella typhimurium
91	c2nv2U	Alignment	not modelled	99.7	24	PDB header: lyase/transferase Chain: U: PDB Molecule: pyridoxal biosynthesis lyase pdxs; PDBTitle: structure of the plp synthase complex pdx1/2 (yaad/e) from bacillus2 subtilis
92	c2yzrB	Alignment	not modelled	99.7	23	PDB header: lyase Chain: B: PDB Molecule: pyridoxal biosynthesis lyase pdxs; PDBTitle: crystal structure of pyridoxine biosynthesis protein from2 methanocaldococcus jannaschii
93	c4firB	Alignment	not modelled	99.7	23	PDB header: lyase Chain: B: PDB Molecule: pyridoxal biosynthesis lyase pdxs; PDBTitle: crystal structure of pyridoxal biosynthesis lyase pdxs from pyrococcus
94	c2htmb	Alignment	not modelled	99.7	18	PDB header: biosynthetic protein Chain: B: PDB Molecule: thiazole biosynthesis protein thig; PDBTitle: crystal structure of ttha0676 from thermus thermophilus hb8
95	c3nm3D	Alignment	not modelled	99.7	13	PDB header: transferase Chain: D: PDB Molecule: thiamine biosynthetic bifunctional enzyme; PDBTitle: the crystal structure of candida glabrata thi6, a bifunctional enzyme2 involved in thiamin biosynthesis of eukaryotes
96	d1q6oa	Alignment	not modelled	99.7	12	Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phosphate binding barrel Family: Decarboxylase
97	c6hyeF	Alignment	not modelled	99.6	25	PDB header: plant protein Chain: F: PDB Molecule: pyridoxal 5'-phosphate synthase subunit pdx1.3; PDBTitle: pdx1.2/pdx1.3 complex (pdx1.3:k97a)
98	c3ajxA	Alignment	not modelled	99.6	20	PDB header: lyase Chain: A: PDB Molecule: 3-hexulose-6-phosphate synthase; PDBTitle: crystal structure of 3-hexulose-6-phosphate synthase
99	c6hxgE	Alignment	not modelled	99.6	25	PDB header: plant protein Chain: E: PDB Molecule: pyridoxal 5'-phosphate synthase-like subunit pdx1.2; PDBTitle: pdx1.2/pdx1.3 complex (intermediate)
100	c4naeA	Alignment	not modelled	99.6	13	PDB header: transferase Chain: A: PDB Molecule: heptaprenylglycerol phosphate synthase; PDBTitle: pcrb from geobacillus kaustophilus, with bound glp
101	c1zfjA	Alignment	not modelled	99.6	19	PDB header: oxidoreductase Chain: A: PDB Molecule: inosine monophosphate dehydrogenase; PDBTitle: inosine monophosphate dehydrogenase (impdh; ec 1.1.1.205) from2 streptococcus pyogenes
102	c2yw3E	Alignment	not modelled	99.6	22	PDB header: lyase Chain: E: PDB Molecule: 4-hydroxy-2-oxoglutarate aldolase/2-deydro-3- PDBTitle: crystal structure analysis of the 4-hydroxy-2-oxoglutarate aldolase/2-2 deydro-3-deoxyphosphogluconate aldolase from tthb1
103	d1xm3a	Alignment	not modelled	99.6	17	Fold: TIM beta/alpha-barrel Superfamily: ThiG-like Family: ThiG-like
						PDB header: oxidoreductase Chain: B: PDB Molecule: inosine-5'-monophosphate

104	c4z87B_	Alignment	not modelled	99.6	14	dehydrogenase; PDBTitle: structure of the imp dehydrogenase from ashbya gossypii bound to gdp
105	c4dqwB_	Alignment	not modelled	99.6	19	PDB header: oxidoreductase Chain: B: PDB Molecule: inosine-5'-monophosphate dehydrogenase; PDBTitle: crystal structure analysis of pa3770
106	d1wv2a_	Alignment	not modelled	99.6	15	Fold: TIM beta/alpha-barrel Superfamily: ThiG-like Family: ThiG-like
107	c2z6jB_	Alignment	not modelled	99.6	17	PDB header: oxidoreductase Chain: B: PDB Molecule: trans-2-enoyl-acp reductase ii; PDBTitle: crystal structure of s. pneumoniae enoyl-acyl carrier2 protein reductase (fabk) in complex with an inhibitor
108	c3khjE_	Alignment	not modelled	99.5	20	PDB header: oxidoreductase Chain: E: PDB Molecule: inosine-5-monophosphate dehydrogenase; PDBTitle: c. parvum inosine monophosphate dehydrogenase bound by inhibitor c64
109	c3tsdA_	Alignment	not modelled	99.5	19	PDB header: oxidoreductase Chain: A: PDB Molecule: inosine-5'-monophosphate dehydrogenase; PDBTitle: crystal structure of inosine-5'-monophosphate dehydrogenase from2 bacillus anthracis str. ames complexed with xmp
110	c3ffsC_	Alignment	not modelled	99.5	22	PDB header: oxidoreductase Chain: C: PDB Molecule: inosine-5-monophosphate dehydrogenase; PDBTitle: the crystal structure of cryptosporidium parvum inosine-5'-2 monophosphate dehydrogenase
111	c4iqIB_	Alignment	not modelled	99.5	15	PDB header: oxidoreductase Chain: B: PDB Molecule: enoyl-(acyl-carrier-protein) reductase ii; PDBTitle: crystal structure of porphyromonas gingivalis enoyl-acp reductase ii2 (fabk) with cofactors nadph and fmn
112	c4fxsa_	Alignment	not modelled	99.5	15	PDB header: oxidoreductase Chain: A: PDB Molecule: inosine-5'-monophosphate dehydrogenase; PDBTitle: inosine 5'-monophosphate dehydrogenase from vibrio cholerae complexed2 with imp and mycophenolic acid
113	c5x8oA_	Alignment	not modelled	99.5	20	PDB header: oxidoreductase Chain: A: PDB Molecule: inosine-5'-monophosphate dehydrogenase; PDBTitle: crystal structure of gmp reductase from trypanosoma brucei with2 guanosine 5'-triphosphate
114	d1ojxa_	Alignment	not modelled	99.5	19	Fold: TIM beta/alpha-barrel Superfamily: Aldolase Family: Class I aldolase
115	c3w01A_	Alignment	not modelled	99.5	11	PDB header: transferase Chain: A: PDB Molecule: heptaprenylglyceryl phosphate synthase; PDBTitle: crystal structure of pcrb complexed with peg from staphylococcus2 aureus subsp. aureus mu3
116	c3bo9B_	Alignment	not modelled	99.5	15	PDB header: oxidoreductase Chain: B: PDB Molecule: putative nitroalkan dioxygenase; PDBTitle: crystal structure of putative nitroalkan dioxygenase (tm0800) from2 thermotoga maritima at 2.71 a resolution
117	d2f6ua1	Alignment	not modelled	99.5	9	Fold: TIM beta/alpha-barrel Superfamily: FMN-linked oxidoreductases Family: FMN-linked oxidoreductases
118	c2gjlA_	Alignment	not modelled	99.5	16	PDB header: oxidoreductase Chain: A: PDB Molecule: hypothetical protein pa1024; PDBTitle: crystal structure of 2-nitropropane dioxygenase
119	c3exsB_	Alignment	not modelled	99.5	13	PDB header: lyase Chain: B: PDB Molecule: rmpd (hexulose-6-phosphate synthase); PDBTitle: crystal structure of kgpdc from streptococcus mutans in2 complex with d-r5p
120	c2qjhH_	Alignment	not modelled	99.4	19	PDB header: lyase Chain: H: PDB Molecule: putative aldolase mj0400; PDBTitle: m. jannaschii adh synthase covalently bound to2 dihydroxyacetone phosphate