

Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2641_(cadl)_2965949_2966407
Date	Wed Aug 7 12:50:28 BST 2019
Unique Job ID	e7226357302cde50

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5cb9A_	Alignment		99.9	66	PDB header: lyase Chain: A: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of c-as lyase with mercaptoethonal
2	d1mpya1	Alignment		99.9	16	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
3	d1lgtaz	Alignment		99.9	17	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
4	d1q0aa2	Alignment		99.9	10	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
5	c3ecjC_	Alignment		99.9	17	PDB header: oxidoreductase Chain: C: PDB Molecule: protein (homoprotocatechuate 2,3-dioxygenase); PDBTitle: structure of e323l mutant of homoprotocatechuate 2,3-dioxygenase from2 brevibacterium fuscum at 1.65a resolution
6	d1kw3b2	Alignment		99.9	15	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
7	d1mpya2	Alignment		99.9	14	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
8	c1zswA_	Alignment		99.9	16	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: glyoxalase family protein; PDBTitle: crystal structure of bacillus cereus metallo protein from glyoxalase2 family
9	d1flxa1	Alignment		99.9	17	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
10	d1kw3b1	Alignment		99.9	17	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
11	c1fluB_	Alignment		99.9	17	PDB header: oxidoreductase Chain: B: PDB Molecule: homoprotocatechuate 2,3-dioxygenase; PDBTitle: crystal structure of homoprotocatechuate 2,3-dioxygenase from2 arthrobacter globiformis (native, low temperature)

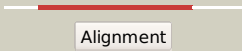
12	c5znhA_	Alignment		99.9	18	PDB header: oxidoreductase Chain: A: PDB Molecule: catechol 2,3-dioxygenase, extradiol protein; PDBTitle: catechol 2,3-dioxygenase with 4-methyl catechol from diaphorobacter sp2 ds2
13	dlzswa2	Alignment		99.9	14	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: BC1024-like
14	dl1gta1	Alignment		99.9	17	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
15	dlflua1	Alignment		99.9	17	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
16	c3b59A_	Alignment		99.9	17	PDB header: lyase Chain: A: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of the mn(ii)-bound glyoxalase from novosphingobium2 aromaticivorans
17	c3oajA_	Alignment		99.9	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative ring-cleaving dioxygenase mhqo; PDBTitle: crystal structure of putative dioxygenase from bacillus subtilis2 subsp. subtilis str. 168
18	c2zi8A_	Alignment		99.9	17	PDB header: oxidoreductase Chain: A: PDB Molecule: probable biphenyl-2,3-diol 1,2-dioxygenase bphc; PDBTitle: crystal structure of the hsc extradiol dioxygenase from m.2 tuberculosis in complex with 3,4-dihydroxy-9,10-3 seconandrost-1,3,5(10)-triene-9,17-dione (dhsa)
19	c3vb0D_	Alignment		99.9	19	PDB header: oxidoreductase Chain: D: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of 2,2',3-trihydroxybiphenyl 1,2-dioxygenase from2 dibenzofuran-degrading sphingomonas wittichii strain rw1
20	c1mpyD_	Alignment		99.9	16	PDB header: oxidoreductase Chain: D: PDB Molecule: catechol 2,3-dioxygenase; PDBTitle: structure of catechol 2,3-dioxygenase (metapyrocatechase)2 from pseudomonas putida mt-2
21	c3lm4C_	Alignment	not modelled	99.9	10	PDB header: oxidoreductase Chain: C: PDB Molecule: catechol 2,3-dioxygenase; PDBTitle: crystal structure of 2,3-dihydroxy biphenyl dioxygenase from2 rhodococcus sp. (strain rha1)
22	c3hpyD_	Alignment	not modelled	99.9	11	PDB header: oxidoreductase Chain: D: PDB Molecule: catechol 2,3-dioxygenase; PDBTitle: crystal structure analysis of the 2,3-dioxygenase lapb from2 pseudomonas in the complex with 4-methylcatechol
23	c2ei2A_	Alignment	not modelled	99.9	13	PDB header: oxidoreductase Chain: A: PDB Molecule: 1,2-dihydroxynaphthalene dioxygenase; PDBTitle: crystal structure analysis of the 1,2-dihydroxynaphthalene dioxygenase2 from pseudomonas sp. stain c18
24	c2wi9A_	Alignment	not modelled	99.9	14	PDB header: oxidoreductase Chain: A: PDB Molecule: catechol 2,3-dioxygenase; PDBTitle: crystal structure of catechol 2,3-dioxygenase
25	c4huzA_	Alignment	not modelled	99.8	15	PDB header: oxidoreductase Chain: A: PDB Molecule: 2,6-dichloro-p-hydroquinone 1,2-dioxygenase; PDBTitle: 2,6-dichloro-p-hydroquinone 1,2-dioxygenase
26	c4gymB_	Alignment	not modelled	99.8	16	PDB header: oxidoreductase Chain: B: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of glyoxalase/bleomycin resistance2 protein/dioxygenase from conexibacter woesei dsm 14684
27	c6on3C_	Alignment	not modelled	99.8	16	PDB header: oxidoreductase Chain: C: PDB Molecule: l-dopa extradiol dioxygenase; PDBTitle: a substrate bound structure of l-dopa dioxygenase from streptomycetes2 sclerotialus
28	c1kw3B_	Alignment	not modelled	99.8	16	PDB header: oxidoreductase Chain: B: PDB Molecule: 2,3-dihydroxybiphenyl dioxygenase; PDBTitle: crystal structure of 2,3-dihydroxybiphenyl dioxygenase (bphc) at 1.452 a resolution PDB header: metal binding protein

29	c3rriB_	Alignment	not modelled	99.8	14	Chain: B: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of glyoxalase/bleomycin resistance2 protein/dioxygenase from alicyclobacillus acidocaldarius
30	c1knfA_	Alignment	not modelled	99.8	15	PDB header: oxidoreductase Chain: A: PDB Molecule: 2,3-dihydroxybiphenyl 1,2-dioxygenase; PDBTitle: crystal structure of 2,3-dihydroxybiphenyl 1,2-dioxygenase complexed2 with 3-methyl catechol under anaerobic condition
31	d1flua2	Alignment	not modelled	99.8	10	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
32	d1zswa1	Alignment	not modelled	99.8	13	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: BC1024-like
33	d1xqaa_	Alignment	not modelled	99.8	22	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
34	d1flxa2	Alignment	not modelled	99.8	10	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
35	c3pkwA_	Alignment	not modelled	99.8	16	PDB header: lyase Chain: A: PDB Molecule: toxoflavin lyase (tfla); PDBTitle: crystal structure of toxoflavin lyase (tfla) bound to mn(ii)
36	c6a4zA_	Alignment	not modelled	99.8	17	PDB header: biosynthetic protein Chain: A: PDB Molecule: chap protein; PDBTitle: oxidase chap
37	c3e0rC_	Alignment	not modelled	99.8	15	PDB header: hydrolase Chain: C: PDB Molecule: c3-degrading proteinase (cppa protein); PDBTitle: crystal structure of cppa protein from streptococcus pneumoniae tigr4
38	c3rheA_	Alignment	not modelled	99.8	15	PDB header: oxidoreductase Chain: A: PDB Molecule: nad-dependent benzaldehyde dehydrogenase; PDBTitle: the crystal structure of nad-dependent benzaldehyde dehydrogenase from2 legionella pneumophila
39	c4mymA_	Alignment	not modelled	99.8	26	PDB header: oxidoreductase Chain: A: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of a glyoxalase/ bleomycin resistance protein/2 dioxygenase from nocardioides
40	d1twua_	Alignment	not modelled	99.8	18	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Hypothetical protein YycE
41	c2kjaA_	Alignment	not modelled	99.8	20	PDB header: unknown function Chain: A: PDB Molecule: atc0852; PDBTitle: solution nmr structure of protein atc0852 from agrobacterium2 tumefaciens. northeast structural genomics consortium (nesg) target3 att2.
42	d1nkia_	Alignment	not modelled	99.8	22	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
43	c3bqaA_	Alignment	not modelled	99.8	23	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: glyoxalase-related enzyme; PDBTitle: high resolution crystal structure of a glyoxalase-related enzyme from2 fulvimarina pelagi
44	c2rk0B_	Alignment	not modelled	99.8	21	PDB header: oxidoreductase Chain: B: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase domain; PDBTitle: crystal structure of glyoxalase/bleomycin resistance2 protein/dioxygenase domain from frankia sp. ean1pec
45	c4pavA_	Alignment	not modelled	99.8	16	PDB header: unknown function Chain: A: PDB Molecule: glyoxalase family protein; PDBTitle: structure of hypothetical protein sa1046 from s. aureus.
46	d1klla_	Alignment	not modelled	99.8	20	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
47	c3g12A_	Alignment	not modelled	99.8	13	PDB header: lyase Chain: A: PDB Molecule: putative lactoylglutathione lyase; PDBTitle: crystal structure of a putative lactoylglutathione lyase from2 bdellovibrio bacteriovorus
48	c3r4qB_	Alignment	not modelled	99.8	21	PDB header: lyase Chain: B: PDB Molecule: lactoylglutathione lyase; PDBTitle: crystal structure of lactoylglutathione lyase from agrobacterium2 tumefaciens
49	d1qipa_	Alignment	not modelled	99.8	19	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Glyoxalase I (lactoylglutathione lyase)
50	c3ey7B_	Alignment	not modelled	99.8	15	PDB header: oxidoreductase Chain: B: PDB Molecule: biphenyl-2,3-diol 1,2-dioxygenase iii-related PDBTitle: structure from the mobile metagenome of v. cholerae.2 integron cassette protein vch_cass1
51	c4nh2B_	Alignment	not modelled	99.8	18	PDB header: transferase Chain: B: PDB Molecule: metallothiol transferase fosb;

51	c5hbzB	Alignment	not modelled	99.8	18	PDBTitle: crystal structure of fosb from staphylococcus aureus at 1.89 angstrom2 resolution - apo structure
52	d1f9za	Alignment	not modelled	99.8	20	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Glyoxalase I (lactoylglutathione lyase)
53	c3ghjA	Alignment	not modelled	99.8	11	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative integron gene cassette protein; PDBTitle: crystal structure from the mobile metagenome of halifax harbour sewage2 outfall: integron cassette protein hfx_cass4
54	c4jh1B	Alignment	not modelled	99.8	20	PDB header: transferase Chain: B: PDB Molecule: metallothiol transferase fosb; PDBTitle: crystal structure of fosb from bacillus cereus with zinc and sulfate2 at 1.55 a resolution -sad phasing
55	c4mtsA	Alignment	not modelled	99.8	26	PDB header: lyase Chain: A: PDB Molecule: lactoylglutathione lyase; PDBTitle: ni- and zn-bound gloa2 at high resolution
56	c4z04A	Alignment	not modelled	99.8	15	PDB header: lyase Chain: A: PDB Molecule: glyoxalase/bleomycin resistance /dioxygenase superfamily PDBTitle: crystal structure of a probable lactoylglutathione lyase from brucella2 melitensis in complex with glutathione
57	c3ct8A	Alignment	not modelled	99.8	20	PDB header: lyase Chain: A: PDB Molecule: putative glyoxalase; PDBTitle: crystal structure of a putative glyoxalase (np_243026.1) from bacillus2 halodurans at 2.10 a resolution
58	c2rbbB	Alignment	not modelled	99.8	17	PDB header: oxidoreductase Chain: B: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of a glyoxalase/bleomycin resistance2 protein/dioxygenase family enzyme from burkholderia phytofirmans psjn
59	d2i7ra1	Alignment	not modelled	99.8	19	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
60	c2qqzB	Alignment	not modelled	99.8	15	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: glyoxalase family protein, putative; PDBTitle: crystal structure of putative glyoxalase family protein from bacillus2 anthracis
61	c4rt5A	Alignment	not modelled	99.8	14	PDB header: oxidoreductase Chain: A: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: the crystal structure of a glyoxalase/bleomycin resistance2 protein/dioxygenase protein from planctomyces limnophilus dsm 3776
62	c3e5dA	Alignment	not modelled	99.8	22	PDB header: lyase Chain: A: PDB Molecule: putative glyoxalase i; PDBTitle: crystal structure of a putative glyoxalase i (lmof2365_0426) from2 listeria monocytogenes str. 4b f2365 at 2.70 a resolution
63	c3uh9B	Alignment	not modelled	99.8	14	PDB header: transferase Chain: B: PDB Molecule: metallothiol transferase fosb 2; PDBTitle: crystal structure of metallothiol transferase fosb 2 from bacillus2 anthracis str. ames
64	d1npba	Alignment	not modelled	99.8	20	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
65	c4g6xA	Alignment	not modelled	99.8	17	PDB header: oxidoreductase Chain: A: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of glyoxalase/bleomycin resistance protein from2 catenulispora acidiphila.
66	c3oa4A	Alignment	not modelled	99.7	14	PDB header: lyase Chain: A: PDB Molecule: glyoxalase; PDBTitle: crystal structure of hypothetical protein bh1468 from bacillus2 halodurans c-125
67	c2r6uB	Alignment	not modelled	99.7	16	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of gene product rha04853 from rhodococcus sp. rha1
68	c5vb0E	Alignment	not modelled	99.7	24	PDB header: transferase Chain: E: PDB Molecule: fosfomycin resistance protein fosa3; PDBTitle: crystal structure of fosfomycin resistance protein fosa3
69	c5umwA	Alignment	not modelled	99.7	17	PDB header: tiancymycin-binding protein Chain: A: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of tnms2, an antibiotic binding protein from2 streptomyces sp. cb03234
70	c3huhA	Alignment	not modelled	99.7	15	PDB header: viral protein Chain: A: PDB Molecule: virulence protein stm3117; PDBTitle: the structure of biphenyl-2,3-diol 1,2-dioxygenase iii-related protein2 from salmonella typhimurium
71	c2p7pB	Alignment	not modelled	99.7	16	PDB header: metal binding protein, hydrolase Chain: B: PDB Molecule: glyoxalase family protein; PDBTitle: crystal structure of genomically encoded fosfomycin resistance2 protein, fosx, from listeria monocytogenes complexed with mn(ii) and3 sulfate ion
72	c3zw5A	Alignment	not modelled	99.7	15	PDB header: lyase Chain: A: PDB Molecule: glyoxalase domain-containing protein 5; PDBTitle: crystal structure of the human glyoxalase domain-containing protein 5
73	c3k0lA	Alignment	not modelled	99.7	18	PDB header: metal binding protein Chain: A: PDB Molecule: glyoxalase/bleomycin resistance PDBTitle: crystal structure of a glyoxalase/dioxygenase from nostoc2 punctiforme
						PDB header: unknown function Chain: B: PDB Molecule: putative enzyme. glyoxalase family;

74	c4nvsB_	Alignment	not modelled	99.7	12	PDBTitle: crystal structure of the q18cp6_clod6 protein from glyoxalase family.2 northeast structural genomics consortium target cfr3
75	c6iptB_	Alignment	not modelled	99.7	16	PDB header: transferase Chain: B: PDB Molecule: all3014 protein; PDBTitle: crystal structure of a fosfomycin and bleomycin resistant protein from2 anabaena/nostoc cyanobacterium at 1.70 a resolution
76	c6bu2A_	Alignment	not modelled	99.7	17	PDB header: isomerase Chain: A: PDB Molecule: glyoxalase; PDBTitle: crystal structure of methylmalonyl-coa epimerase from mycobacterium2 tuberculosis
77	c4ro6A_	Alignment	not modelled	99.7	18	PDB header: lyase Chain: A: PDB Molecule: lactoylglutathione lyase; PDBTitle: crystal structure of glyoxalase i from zea mays
78	c4qb5A_	Alignment	not modelled	99.7	20	PDB header: oxidoreductase Chain: A: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of a glyoxalase/bleomycin resistance protein from2 albidiferax ferrireducens t118
79	d1r9ca_	Alignment	not modelled	99.7	10	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
80	c2rk9B_	Alignment	not modelled	99.7	16	PDB header: oxidoreductase Chain: B: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: the crystal structure of a glyoxalase/bleomycin resistance2 protein/dioxygenase superfamily member from vibrio splendidus 12b01
81	c3bt3B_	Alignment	not modelled	99.7	11	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: glyoxalase-related enzyme, arac type; PDBTitle: crystal structure of a glyoxalase-related enzyme from clostridium2 phytofermentans
82	c3zi1A_	Alignment	not modelled	99.7	12	PDB header: isomerase Chain: A: PDB Molecule: glyoxalase domain-containing protein 4; PDBTitle: crystal structure of human glyoxalase domain-containing protein 42 (glod4)
83	c3sk1C_	Alignment	not modelled	99.7	16	PDB header: griseoluteate-binding protein Chain: C: PDB Molecule: ehpr; PDBTitle: crystal structure of phenazine resistance protein ehpr from2 enterobacter agglomerans (erwinia herbicola, pantoaea agglomerans)3 eh1087, apo form
84	c3rmuD_	Alignment	not modelled	99.7	21	PDB header: isomerase Chain: D: PDB Molecule: methylmalonyl-coa epimerase, mitochondrial; PDBTitle: crystal structure of human methylmalonyl-coa epimerase, mcee
85	c3l7tB_	Alignment	not modelled	99.7	20	PDB header: metal binding protein Chain: B: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of smu.1112c
86	d2c21a1	Alignment	not modelled	99.7	18	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Glyoxalase I (lactoylglutathione lyase)
87	c5uhjA_	Alignment	not modelled	99.7	15	PDB header: oxidoreductase Chain: A: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: the crystal structure of a natural product biosynthetic enzyme from2 streptomyces sp. cb03234
88	c2qh0A_	Alignment	not modelled	99.7	16	PDB header: lyase Chain: A: PDB Molecule: lactoylglutathione lyase; PDBTitle: crystal structure of a glyoxalase from clostridium acetobutylicum
89	d2pjsa1	Alignment	not modelled	99.7	20	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
90	c6a4xA_	Alignment	not modelled	99.7	17	PDB header: biosynthetic protein Chain: A: PDB Molecule: bleomycin resistance protein; PDBTitle: oxidase chap-h2
91	c6a52A_	Alignment	not modelled	99.7	14	PDB header: biosynthetic protein Chain: A: PDB Molecule: dioxidase chap-h1; PDBTitle: oxidase chap-h1
92	c4hc5A_	Alignment	not modelled	99.7	18	PDB header: oxidoreductase Chain: A: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of member of glyoxalase/bleomycin resistance2 protein/dioxygenase superfamily from sphaerobacter thermophilus dsm3 20745
93	c5ujpB_	Alignment	not modelled	99.7	23	PDB header: lyase Chain: B: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: the crystal structure of a glyoxalase/bleomycin resistance protein2 from streptomyces sp. cb03234
94	d1jc4a_	Alignment	not modelled	99.7	16	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Methylmalonyl-CoA epimerase
95	c3m2oB_	Alignment	not modelled	99.7	22	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: glyoxalase/bleomycin resistance protein; PDBTitle: crystal structure of a putative glyoxalase/bleomycin resistance2 protein from rhodopseudomonas palustris cga009
96	c4n04B_	Alignment	not modelled	99.7	20	PDB header: oxidoreductase Chain: B: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: the crystal structure of glyoxalase / bleomycin resistance

						protein2 from catenulispora acidiphila dsm 44928
97	c3r6aB_	Alignment	not modelled	99.7	20	PDB header: isomerase, lyase Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of an uncharacterized protein (hypothetical protein2 mm_3218) from methanosarcina mazei.
98	d1ss4a_	Alignment	not modelled	99.6	16	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Hypothetical protein BC1747
99	c2p25A_	Alignment	not modelled	99.6	18	PDB header: oxidoreductase Chain: A: PDB Molecule: glyoxalase family protein; PDBTitle: the crystal structure of the glyoxalase family protein from2 enterococcus faecalis
100	c3fcdB_	Alignment	not modelled	99.6	17	PDB header: lyase Chain: B: PDB Molecule: lyase; PDBTitle: crystal structure of a putative glyoxalase from an2 environmental bacteria
101	c3gm5A_	Alignment	not modelled	99.6	19	PDB header: isomerase Chain: A: PDB Molecule: lactoylglutathione lyase and related lyases; PDBTitle: crystal structure of a putative methylmalonyl-coenzyme a epimerase2 from thermoanaerobacter tengcongensis at 2.0 a resolution
102	d1ecsa_	Alignment	not modelled	99.6	10	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
103	c2qntA_	Alignment	not modelled	99.6	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein atu1872; PDBTitle: crystal structure of protein of unknown function from agrobacterium2 tumefaciens str. c58
104	c3itwA_	Alignment	not modelled	99.6	21	PDB header: peptide binding protein Chain: A: PDB Molecule: protein tiox; PDBTitle: crystal structure of tiox from micromonospora sp. ml1
105	d1jifa_	Alignment	not modelled	99.5	13	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
106	c4lqbA_	Alignment	not modelled	99.5	20	PDB header: unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of uncharacterized protein kfla3161
107	d1t47a1	Alignment	not modelled	99.5	17	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
108	c1sp8A_	Alignment	not modelled	99.5	13	PDB header: oxidoreductase Chain: A: PDB Molecule: 4-hydroxyphenylpyruvate dioxygenase; PDBTitle: 4-hydroxyphenylpyruvate dioxygenase
109	d1sqia1	Alignment	not modelled	99.5	17	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
110	d1xrka_	Alignment	not modelled	99.5	13	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
111	c1t47A_	Alignment	not modelled	99.5	15	PDB header: oxidoreductase Chain: A: PDB Molecule: 4-hydroxyphenylpyruvate dioxygenase; PDBTitle: structure of fe2-hppd bound to ntbc
112	c1cjcC_	Alignment	not modelled	99.4	10	PDB header: oxidoreductase Chain: C: PDB Molecule: 4-hydroxyphenylpyruvate dioxygenase; PDBTitle: crystal structure of pseudomonas fluorescens hppd
113	d1sp8a1	Alignment	not modelled	99.4	14	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
114	c1sqiA_	Alignment	not modelled	99.4	16	PDB header: biosynthetic protein Chain: A: PDB Molecule: 4-hydroxyphenylpyruvic acid dioxygenase; PDBTitle: structural basis for inhibitor selectivity revealed by2 crystal structures of plant and mammalian 4-3 hydroxyphenylpyruvate dioxygenases
115	c4iagA_	Alignment	not modelled	99.4	10	PDB header: zorbamycin binding protein Chain: A: PDB Molecule: zbm binding protein; PDBTitle: crystal structure of zbma, the zorbamycin binding protein from2 streptomyces flavoviridis
116	c2zw7A_	Alignment	not modelled	99.4	22	PDB header: transferase Chain: A: PDB Molecule: bleomycin acetyltransferase; PDBTitle: crystal structure of bleomycin n-acetyltransferase complexed2 with bleomycin a2 and coenzyme a
117	d1sqda1	Alignment	not modelled	99.3	12	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
118	d1xy7a_	Alignment	not modelled	99.3	20	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Hypothetical protein At5g48480
119	c2q48A_	Alignment	not modelled	99.3	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: protein at5g48480; PDBTitle: ensemble refinement of the protein crystal structure of gene product2 from arabidopsis thaliana at5g48480

120	d1sp9a_		Alignment	not modelled	99.3	11	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
-----	-------------------------	----------------------------------------------------------------------------------	-----------	--------------	------	----	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------