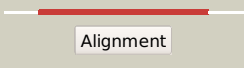

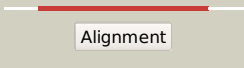

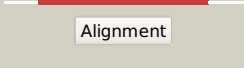
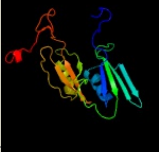
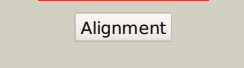

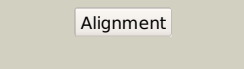
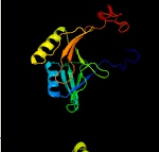
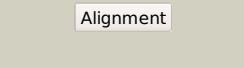

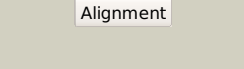
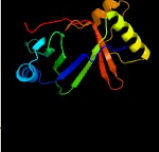
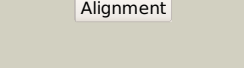
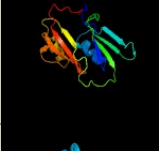
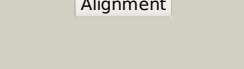

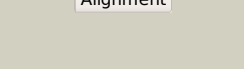
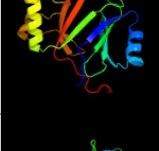
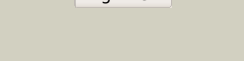



Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0274 (-) _330422_331003
Date	Tue Jul 23 14:50:33 BST 2019
Unique Job ID	117395e2f45ee89f

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1zswA_			100.0	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: glyoxalase family protein; PDBTitle: crystal structure of bacillus cereus metallo protein from glyoxalase2 family
2	c3oajA_			99.9	18	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
3	d1zswa2			99.9	19	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: BC1024-like
4	d1lqta2			99.9	18	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradial dioxygenases
5	c4huzA_			99.9	19	PDB header: oxidoreductase Chain: A: PDB Molecule: 2,6-dichloro-p-hydroquinone 1,2-dioxygenase; PDBTitle: 2,6-dichloro-p-hydroquinone 1,2-dioxygenase
6	d1q0oa2			99.9	15	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradial dioxygenases
7	d1mpya2			99.9	17	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradial dioxygenases
8	d1zswa1			99.9	19	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: BC1024-like
9	d1kw3b2			99.9	21	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradial dioxygenases
10	c3vb0D_			99.9	20	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
11	c1mpyD_			99.9	17	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

12	c2zi8A_	Alignment		99.9	22	PDB header: oxidoreductase Chain: A: PDB Molecule: probable biphenyl-2,3-diol 1,2-dioxygenase bphc; PDBTitle: crystal structure of the hsac 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)
13	c3kolA_	Alignment		99.9	21	PDB header: metal binding protein Chain: A: PDB Molecule: glyoxalase/bleomycin resistance PDBTitle: crystal structure of a glyoxalase/dioxygenase from nostoc punctiforme
14	c3lm4C_	Alignment		99.9	16	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)
15	c3ecjC_	Alignment		99.9	15	PDB header: oxidoreductase Chain: C: PDB Molecule: protein (homoprotocatechuate 2,3-dioxygenase); PDBTitle: structure of e323I mutant of homoprotocatechuate 2,3-dioxygenase from2 brevibacterium fuscum at 1.65a resolution
16	d1qjpa_	Alignment		99.9	18	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Glyoxalase I (lactoylglutathione lyase)
17	d1flua2	Alignment		99.9	16	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
18	c6on3C_	Alignment		99.9	19	PDB header: oxidoreductase Chain: C: PDB Molecule: l-dopa extradiol dioxygenase; PDBTitle: a substrate bound structure of l-dopa dioxygenase from streptomyces2 sclerotialis
19	c3hpyD_	Alignment		99.9	17	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
20	c3l7tB_	Alignment		99.9	32	PDB header: metal binding protein Chain: B: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of smu.1112c
21	d1lqta1	Alignment	not modelled	99.9	19	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
22	c2ei2A_	Alignment	not modelled	99.9	18	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
23	d1flxa2	Alignment	not modelled	99.9	16	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
24	c3rmuD_	Alignment	not modelled	99.9	24	PDB header: isomerase Chain: D: PDB Molecule: methylmalonyl-coa epimerase, mitochondrial; PDBTitle: crystal structure of human methylmalonyl-coa epimerase, mcee
25	c1knfA_	Alignment	not modelled	99.9	16	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
26	c2rk0B_	Alignment	not modelled	99.9	22	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
27	c3b59A_	Alignment	not modelled	99.9	22	PDB header: lyase Chain: A: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase;

						PDBTitle: crystal structure of the mn(ii)-bound glyoxalase from novosphingobium2 aromaticivorans
28	c6bu2A_	Alignment	not modelled	99.9	18	PDB header: isomerase Chain: A: PDB Molecule: glyoxalase; PDBTitle: crystal structure of methylmalonyl-coa epimerase from mycobacterium2 tuberculosis
29	c3gm5A_	Alignment	not modelled	99.9	13	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
30	c5znhA_	Alignment	not modelled	99.9	23	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
31	d1mpya1	Alignment	not modelled	99.9	22	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
32	d1kw3b1	Alignment	not modelled	99.9	19	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
33	c2wl9A_	Alignment	not modelled	99.9	17	PDB header: oxidoreductase Chain: A: PDB Molecule: catechol 2,3-dioxygenase; PDBTitle: crystal structure of catechol 2,3-dioxygenase
34	c2p7pB_	Alignment	not modelled	99.9	30	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
35	c4hc5A_	Alignment	not modelled	99.9	20	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
36	c1kw3B_	Alignment	not modelled	99.9	20	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
37	c1flub_	Alignment	not modelled	99.9	16	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)
38	c3pkwA_	Alignment	not modelled	99.9	21	PDB header: lyase Chain: A: PDB Molecule: toxoflavin lyase (tfla); PDBTitle: crystal structure of toxoflavin lyase (tfla) bound to mn(ii)
39	c3zw5A_	Alignment	not modelled	99.9	17	PDB header: lyase Chain: A: PDB Molecule: glyoxalase domain-containing protein 5; PDBTitle: crystal structure of the human glyoxalase domain-containing protein 5
40	d1ss4a_	Alignment	not modelled	99.9	18	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Hypothetical protein BC1747
41	d1flxa1	Alignment	not modelled	99.9	19	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
42	c3ey7B_	Alignment	not modelled	99.9	18	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
43	c2qqzB_	Alignment	not modelled	99.9	26	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
44	c4jh1B_	Alignment	not modelled	99.9	27	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
45	c5vb0E_	Alignment	not modelled	99.9	34	PDB header: transferase Chain: E: PDB Molecule: fosfomycin resistance protein fosa3; PDBTitle: crystal structure of fosfomycin resistance protein fosa3
46	d1r9ca_	Alignment	not modelled	99.9	25	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
47	c5umwA_	Alignment	not modelled	99.9	17	PDB header: tiancimycin-binding protein Chain: A: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of tnms2, an antibiotic binding protein from2 streptomyces sp. cb03234
48	c3ghjA_	Alignment	not modelled	99.9	23	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
49	c3oa4A_	Alignment	not modelled	99.9	16	PDB header: lyase Chain: A: PDB Molecule: glyoxalase; PDBTitle: crystal structure of hypothetical protein bh1468 from bacillus2 halodurans c-125

50	c3e5dA	Alignment	not modelled	99.9	21	PDB header: lyase Chain: A: PDB Molecule: putative glyoxalase i; PDBTitle: crystal structure of a putative glyoxalase i (Imof2365_0426) from2 listeria monocytogenes str. 4b f2365 at 2.70 a resolution
51	c4nb2B	Alignment	not modelled	99.9	28	PDB header: transferase Chain: B: PDB Molecule: metallothiol transferase fosb; PDBTitle: crystal structure of fosb from staphylococcus aureus at 1.89 angstrom2 resolution - apo structure
52	d1npba	Alignment	not modelled	99.9	32	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
53	c3huhA	Alignment	not modelled	99.9	16	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
54	c4mtsA	Alignment	not modelled	99.9	26	PDB header: lyase Chain: A: PDB Molecule: lactoylglutathione lyase; PDBTitle: ni- and zn-bound gloa2 at high resolution
55	c4g6xA	Alignment	not modelled	99.9	18	PDB header: oxidoreductase Chain: A: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of glyoxalase/bleomycin resistance protein from2 catenulispora acidiphila.
56	c3r4qB	Alignment	not modelled	99.9	24	PDB header: lyase Chain: B: PDB Molecule: lactoylglutathione lyase; PDBTitle: crystal structure of lactoylglutathione lyase from agrobacterium2 tumefaciens
57	d1flua1	Alignment	not modelled	99.9	18	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
58	d1jc4a	Alignment	not modelled	99.9	19	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Methylmalonyl-CoA epimerase
59	d1nkia	Alignment	not modelled	99.8	31	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
60	d1twua	Alignment	not modelled	99.8	22	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Hypothetical protein YycE
61	d1f9za	Alignment	not modelled	99.8	23	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Glyoxalase I (lactoylglutathione lyase)
62	c3rriB	Alignment	not modelled	99.8	19	PDB header: metal binding protein Chain: B: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of glyoxalase/bleomycin resistance2 protein/dioxygenase from alicyclobacillus acidocaldarius
63	d1xqaa	Alignment	not modelled	99.8	28	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
64	d2c21a1	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)
65	c5uhjA	Alignment	not modelled	99.8	18	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
66	c3bqxA	Alignment	not modelled	99.8	19	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
67	c6a4zA	Alignment	not modelled	99.8	24	PDB header: biosynthetic protein Chain: A: PDB Molecule: chap protein; PDBTitle: oxidase chap
68	d1sqda1	Alignment	not modelled	99.8	20	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
69	c2p25A	Alignment	not modelled	99.8	24	PDB header: oxidoreductase Chain: A: PDB Molecule: glyoxalase family protein; PDBTitle: the crystal structure of the glyoxalase family protein from2 enterococcus faecalis
70	c4ro6A	Alignment	not modelled	99.8	20	PDB header: lyase Chain: A: PDB Molecule: lactoylglutathione lyase; PDBTitle: crystal structure of glyoxalase i from zea mays
71	c4rt5A	Alignment	not modelled	99.8	25	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 PDB header: transferase

72	c3uh9B_	Alignment	not modelled	99.8	28	Chain: B: PDB Molecule: metallothiol transferase fob2; PDBTitle: crystal structure of metallothiol transferase fob2 from bacillus2 anthracis str. ames
73	c3ct8A_	Alignment	not modelled	99.8	21	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
74	d1t47a1	Alignment	not modelled	99.8	15	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
75	c5cb9A_	Alignment	not modelled	99.8	20	PDB header: lyase Chain: A: PDB Molecule: glyoxalase/bleomycin resistance protein/dioxygenase; PDBTitle: crystal structure of c-as lyase with mercaptoethonal
76	c6iptB_	Alignment	not modelled	99.8	27	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
77	c4mymA_	Alignment	not modelled	99.8	19	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
78	c6a4xA_	Alignment	not modelled	99.8	27	PDB header: biosynthetic protein Chain: A: PDB Molecule: bleomycin resistance protein; PDBTitle: oxidase chap-h2
79	c4gymB_	Alignment	not modelled	99.8	13	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
80	c4nvsB_	Alignment	not modelled	99.8	22	PDB header: unknown function Chain: B: PDB Molecule: putative enzyme, glyoxalase family; PDBTitle: crystal structure of the q18cp6_clod6 protein from glyoxalase family.2 northeast structural genomics consortium target cfr3
81	d1sp8a1	Alignment	not modelled	99.8	19	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
82	c2qh0A_	Alignment	not modelled	99.8	10	PDB header: lyase Chain: A: PDB Molecule: lactoylglutathione lyase; PDBTitle: crystal structure of a glyoxalase from clostridium acetobutylicum
83	c3rheA_	Alignment	not modelled	99.8	25	PDB header: oxidoreductase Chain: A: PDB Molecule: nad-dependent benzaldehyde dehydrogenase; PDBTitle: the crystal structure of nad-dependent benzaldehyde dehydrogenase from2 legionella pneumophila
84	c4z04A_	Alignment	not modelled	99.8	19	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
85	d2i7ra1	Alignment	not modelled	99.8	22	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
86	c3zi1A_	Alignment	not modelled	99.8	20	PDB header: isomerase Chain: A: PDB Molecule: glyoxalase domain-containing protein 4; PDBTitle: crystal structure of human glyoxalase domain-containing protein 42 (glod4)
87	d1sp9a_	Alignment	not modelled	99.8	17	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
88	c6a52A_	Alignment	not modelled	99.8	27	PDB header: biosynthetic protein Chain: A: PDB Molecule: dioxidase chap-h1; PDBTitle: oxidase chap-h1
89	c2kjaA_	Alignment	not modelled	99.8	23	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.
90	c3bt3B_	Alignment	not modelled	99.8	20	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
91	d1sqia1	Alignment	not modelled	99.8	16	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
92	c3g12A_	Alignment	not modelled	99.8	21	PDB header: lyase Chain: A: PDB Molecule: putative lactoylglutathione lyase; PDBTitle: crystal structure of a putative lactoylglutathione lyase from2 bdellovibrio bacteriovorus
93	c2r6uB_	Alignment	not modelled	99.8	20	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of gene product rha04853 from rhodococcus sp. rha1
94	c2rbbB_	Alignment	not modelled	99.8	13	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

95	d1klla	Alignment	not modelled	99.8	18	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
96	c3r6aB	Alignment	not modelled	99.8	17	PDB header: isomerase, lyase Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of an uncharacterized protein (hypothetical protein2 mm_3218) from methanosarcina mazei.
97	c5ujpB	Alignment	not modelled	99.7	25	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
98	c1t47A	Alignment	not modelled	99.7	14	PDB header: oxidoreductase Chain: A: PDB Molecule: 4-hydroxyphenylpyruvate dioxygenase; PDBTitle: structure of fe2-hppd bound to ntbc
99	c1sp8A	Alignment	not modelled	99.7	17	PDB header: oxidoreductase Chain: A: PDB Molecule: 4-hydroxyphenylpyruvate dioxygenase; PDBTitle: 4-hydroxyphenylpyruvate dioxygenase
100	c1tfzA	Alignment	not modelled	99.7	20	PDB header: oxidoreductase Chain: A: PDB Molecule: 4-hydroxyphenylpyruvate dioxygenase; PDBTitle: structural basis for herbicidal inhibitor selectivity revealed by2 comparison of crystal structures of plant and mammalian 4-3 hydroxyphenylpyruvate dioxygenases
101	c4qb5A	Alignment	not modelled	99.7	19	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
102	c3m2oB	Alignment	not modelled	99.7	23	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
103	c3itwA	Alignment	not modelled	99.7	19	PDB header: peptide binding protein Chain: A: PDB Molecule: protein tiox; PDBTitle: crystal structure of tiox from micromonospora sp. m11
104	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
105	c4pavA	Alignment	not modelled	99.7	17	PDB header: unknown function Chain: A: PDB Molecule: glyoxalase family protein; PDBTitle: structure of hypothetical protein sa1046 from s. aureus.
106	c3sk1C	Alignment	not modelled	99.7	18	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
107	c3e0rC	Alignment	not modelled	99.7	10	PDB header: hydrolase Chain: C: PDB Molecule: c3-degrading proteinase (cpa protein); PDBTitle: crystal structure of cpa protein from streptococcus pneumoniae tigr4
108	c1sqiA	Alignment	not modelled	99.7	15	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
109	c1cjcC	Alignment	not modelled	99.6	13	PDB header: oxidoreductase Chain: C: PDB Molecule: 4-hydroxyphenylpyruvate dioxygenase; PDBTitle: crystal structure of pseudomonas fluorescens hppd
110	d1jifa	Alignment	not modelled	99.6	18	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
111	c4n04B	Alignment	not modelled	99.6	22	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
112	c2qntA	Alignment	not modelled	99.6	27	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
113	d2pjsa1	Alignment	not modelled	99.6	22	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
114	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
115	d1ecsa	Alignment	not modelled	99.6	17	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Antibiotic resistance proteins
116	d1sp8a2	Alignment	not modelled	99.6	8	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradial dioxygenases
117	d1cxa2	Alignment	not modelled	99.6	17	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase

						Family: Extradiol dioxygenases
118	d1t47a2	Alignment	not modelled	99.5	12	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases
119	c4lqbA	Alignment	not modelled	99.5	20	PDB header: unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of uncharacterized protein kfla3161
120	d1sqia2	Alignment	not modelled	99.5	13	Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases