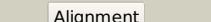
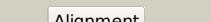
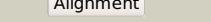
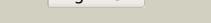
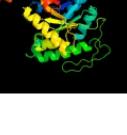


Phyre²

Email	mdejesus@rockefeller.edu
Description	RVBD2951c_(-)_3303113_3304258
Date	Thu Aug 8 16:20:11 BST 2019
Unique Job ID	050f854aaefdfcb9

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5tlcA			100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: dibenzothiophene desulfurization enzyme a; PDBTitle: crystal structure of bdsd from bacillus subtilis wu-s2b
2	d1ezwa			100.0	24	Fold: TIM beta/alpha-barrel Superfamily: Bacterial luciferase-like Family: F420 dependent oxidoreductases
3	c1z69D			100.0	24	PDB header: oxidoreductase Chain: D: PDB Molecule: coenzyme f420-dependent n(5),n(10)- PDBTitle: crystal structure of methylenetetrahydromethanopterin2 reductase (mer) in complex with coenzyme f420
4	d1luca			100.0	16	Fold: TIM beta/alpha-barrel Superfamily: Bacterial luciferase-like Family: Bacterial luciferase (alkanal monooxygenase)
5	c5w4zA			100.0	18	PDB header: flavoprotein Chain: A: PDB Molecule: riboflavin lyase; PDBTitle: crystal structure of riboflavin lyase (rcae) with modified fmn and2 substrate riboflavin
6	c3raoB			100.0	20	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: putative luciferase-like monooxygenase; PDBTitle: crystal structure of the luciferase-like monooxygenase from bacillus2 cereus atcc 10987.
7	c3sdoB			100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: nitrilotriacetate monooxygenase; PDBTitle: structure of a nitrilotriacetate monooxygenase from burkholderia2 pseudomallei
8	d1f07a			100.0	27	Fold: TIM beta/alpha-barrel Superfamily: Bacterial luciferase-like Family: F420 dependent oxidoreductases
9	d1rhca			100.0	21	Fold: TIM beta/alpha-barrel Superfamily: Bacterial luciferase-like Family: F420 dependent oxidoreductases
10	d1tvla			100.0	20	Fold: TIM beta/alpha-barrel Superfamily: Bacterial luciferase-like Family: Ssd-like monooxygenases
11	c1tvIA			100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: protein ytnj; PDBTitle: structure of ytnj from bacillus subtilis

12	c5dqpA			100.0	19	PDB header: oxidoreductase Chain: A; PDB Molecule: edta monooxygenase; PDBTitle: edta monooxygenase (emoa) from chelativorans sp. bnc1
13	c2wgkA			100.0	17	PDB header: oxidoreductase Chain: A; PDB Molecule: 3,6-diketocamphane 1,6 monooxygenase; PDBTitle: type ii baeyer-villiger monooxygenase oxygenating2 constituent of 3,6-diketocamphane 1,6 monooxygenase from3 pseudomonas putida
14	d1lucb			100.0	13	Fold: TIM beta/alpha-barrel Superfamily: Bacterial luciferase-like Family: Bacterial luciferase (alkanal monooxygenase)
15	c3b9nB			100.0	16	PDB header: oxidoreductase Chain: B; PDB Molecule: alkane monooxygenase; PDBTitle: crystal structure of long-chain alkane monooxygenase (lada)
16	c6ak1B			100.0	17	PDB header: oxidoreductase Chain: B; PDB Molecule: dimethyl-sulfide monooxygenase; PDBTitle: crystal structure of dmoa from hyphomicrobium sulfonivorans
17	c2i7gA			100.0	18	PDB header: oxidoreductase Chain: A; PDB Molecule: monooxygenase; PDBTitle: crystal structure of monooxygenase from agrobacterium tumefaciens
18	d1nqka			100.0	17	Fold: TIM beta/alpha-barrel Superfamily: Bacterial luciferase-like Family: Ssd-like monooxygenases
19	c3c8nB			100.0	23	PDB header: oxidoreductase Chain: B; PDB Molecule: probable f420-dependent glucose-6-phosphate dehydrogenase PDBTitle: crystal structure of apo-fgd1 from mycobacterium tuberculosis
20	c6friD			100.0	14	PDB header: oxidoreductase Chain: D; PDB Molecule: alkanal monooxygenase beta chain; PDBTitle: structure of luxb from photobacterium leiognathi
21	c5wanA		not modelled	100.0	18	PDB header: oxidoreductase Chain: A; PDB Molecule: pyrimidine monooxygenase ruta; PDBTitle: crystal structure of a flavoenzyme ruta in the pyrimidine catabolic2 pathway
22	c2b81D		not modelled	100.0	19	PDB header: oxidoreductase Chain: D; PDB Molecule: luciferase-like monooxygenase; PDBTitle: crystal structure of the luciferase-like monooxygenase from bacillus2 cereus
23	d1nfpa		not modelled	100.0	16	Fold: TIM beta/alpha-barrel Superfamily: Bacterial luciferase-like Family: Non-fluorescent flavoprotein (luxF, FP390)
24	d1fvpa		not modelled	99.3	14	Fold: TIM beta/alpha-barrel Superfamily: Bacterial luciferase-like Family: Non-fluorescent flavoprotein (luxF, FP390)
25	d1r3sa		not modelled	83.4	20	Fold: TIM beta/alpha-barrel Superfamily: UROD/MetE-like Family: Uroporphyrinogen decarboxylase, UROD
26	c1jpkA		not modelled	83.3	20	PDB header: lyase Chain: A; PDB Molecule: uroporphyrinogen decarboxylase; PDBTitle: gly156asp mutant of human urod, human uroporphyrinogen iii2 decarboxylase
27	c4exqA		not modelled	82.2	15	PDB header: biosynthetic protein Chain: A; PDB Molecule: uroporphyrinogen decarboxylase; PDBTitle: crystal structure of uroporphyrinogen decarboxylase (upd) from2 burkholderia thailandensis e264
28	c2ze3A		not modelled	81.5	17	PDB header: isomerase Chain: A; PDB Molecule: dfa0005; PDBTitle: crystal structure of dfa0005 complexed with alpha-ketoglutarate: a2 novel member of the icl/pepm superfamily from alkali-tolerant3 deinococcus ficus

29	c3fa4D	Alignment	not modelled	79.8	19	PDB header: lyase Chain: D: PDB Molecule: 2,3-dimethylmalate lyase; PDBTitle: crystal structure of 2,3-dimethylmalate lyase, a pep mutase/isocitrate2 lyase superfamily member, triclinic crystal form
30	c3lyeA	Alignment	not modelled	79.3	26	PDB header: hydrolase Chain: A: PDB Molecule: oxaloacetate acetyl hydrolase; PDBTitle: crystal structure of oxaloacetate acetylhydrolase
31	c1zlpA	Alignment	not modelled	75.8	11	PDB header: lyase Chain: A: PDB Molecule: petal death protein; PDBTitle: petal death protein psr132 with cysteine-linked glutaraldehyde forming2 a thiohemiacetal adduct
32	c3qy6A	Alignment	not modelled	75.4	17	PDB header: hydrolase Chain: A: PDB Molecule: tyrosine-protein phosphatase ywqe; PDBTitle: crystal structures of ywqe from bacillus subtilis and cpsb from2 streptococcus pneumoniae, unique metal-dependent tyrosine3 phosphatases
33	d1s2wa	Alignment	not modelled	74.2	14	Fold: TIM beta/alpha-barrel Superfamily: Phosphoenolpyruvate/pyruvate domain Family: Phosphoenolpyruvate mutase/isocitrate lyase-like
34	c1bf2A	Alignment	not modelled	73.3	15	PDB header: hydrolase Chain: A: PDB Molecule: isoamylase; PDBTitle: structure of pseudomonas isoamylase
35	c3b8iF	Alignment	not modelled	73.2	19	PDB header: lyase Chain: F: PDB Molecule: pa4872 oxaloacetate decarboxylase; PDBTitle: crystal structure of oxaloacetate decarboxylase from pseudomonas2 aeruginosa (pa4872) in complex with oxalate and mg2+.
36	c2hjpA	Alignment	not modelled	69.9	8	PDB header: hydrolase Chain: A: PDB Molecule: phosphonopyruvate hydrolase; PDBTitle: crystal structure of phosphonopyruvate hydrolase complex with2 phosphonopyruvate and mg++
37	c3eo0L	Alignment	not modelled	69.6	17	PDB header: lyase Chain: L: PDB Molecule: methylisocitrate lyase; PDBTitle: 2.9a crystal structure of methyl-isocitrate lyase from2 burkholderia pseudomallei
38	c4zr8B	Alignment	not modelled	68.5	16	PDB header: lyase Chain: B: PDB Molecule: uroporphyrinogen decarboxylase; PDBTitle: structure of uroporphyrinogen decarboxylase from acinetobacter2 baumannii
39	d1m53a2	Alignment	not modelled	67.6	11	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
40	c5gquA	Alignment	not modelled	67.6	15	PDB header: transferase Chain: A: PDB Molecule: 1,4-alpha-glucan branching enzyme glgb; PDBTitle: crystal structure of branching enzyme from cyanothece sp. atcc 51142
41	c1ehaA	Alignment	not modelled	67.4	23	PDB header: hydrolase Chain: A: PDB Molecule: glycosyltrehalose trehalohydrolase; PDBTitle: crystal structure of glycosyltrehalose trehalohydrolase from2 sulfolobus solfataricus
42	d1ua7a2	Alignment	not modelled	67.2	8	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
43	c3faxA	Alignment	not modelled	67.1	15	PDB header: hydrolase Chain: A: PDB Molecule: reticulocyte binding protein; PDBTitle: the crystal structure of gbs pullulanase sap in complex with2 maltotetraose
44	d1ujqa	Alignment	not modelled	66.3	11	Fold: TIM beta/alpha-barrel Superfamily: Phosphoenolpyruvate/pyruvate domain Family: Phosphoenolpyruvate mutase/isocitrate lyase-like
45	c2by0A	Alignment	not modelled	66.1	12	PDB header: hydrolase Chain: A: PDB Molecule: maltooligosyltrehalose trehalohydrolase; PDBTitle: is radiation damage dependent on the dose-rate used during2 macromolecular crystallography data collection
46	c6aaV	Alignment	not modelled	65.4	12	PDB header: hydrolase Chain: A: PDB Molecule: alpha-glucosyltransferase; PDBTitle: crystal structure of alpha-glucosyl transfer enzyme, xgta at 1.722 angstrom resolution
47	d1uoka2	Alignment	not modelled	65.4	15	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
48	c2wjE	Alignment	not modelled	65.3	19	PDB header: hydrolase Chain: A: PDB Molecule: tyrosine-protein phosphatase cpsb; PDBTitle: crystal structure of the tyrosine phosphatase cps4b from2 staphylococcus pneumoniae tigr4.
49	c2qiwA	Alignment	not modelled	65.3	25	PDB header: transferase Chain: A: PDB Molecule: pep phosphonomutase; PDBTitle: crystal structure of a putative phosphoenolpyruvate phosphonomutase2 (ncgl1015, cgl1060) from corynebacterium glutamicum atcc 13032 at 1.80 a resolution
50	d1lwha2	Alignment	not modelled	64.8	19	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
51	d1muma	Alignment	not modelled	64.6	17	Fold: TIM beta/alpha-barrel Superfamily: Phosphoenolpyruvate/pyruvate domain Family: Phosphoenolpyruvate mutase/isocitrate lyase-like
52	c3k1dA	Alignment	not modelled	64.6	15	PDB header: transferase Chain: A: PDB Molecule: 1,4-alpha-glucan-branching enzyme; PDBTitle: crystal structure of glycogen branching enzyme synonym: 1,4-alpha-d-2 glucan:1,4-alpha-d-glucan 6-glucosyl-transferase from mycobacterium3 tuberculosis h37rv
53	c3m07A	Alignment	not modelled	64.1	15	PDB header: unknown function Chain: A: PDB Molecule: putative alpha amylase; PDBTitle: 1.4 angstrom resolution crystal structure of putative alpha amylase2 from salmonella typhimurium.
54	c2y30A	Alignment	not modelled	63.4	23	PDB header: hydrolase Chain: A: PDB Molecule: putative alkaline amylopullulanase;

54	c2yqA	Alignment	not modelled	65.4	23	PDBTitle: catalytic module of the multi-modular glycogen-degrading pneumococcal2 virulence factor spua PDB header: hydrolase Chain: A: PDB Molecule: alpha-glucosidase; PDBTitle: crystal structure of alpha-glucosidase mutant d202n in complex with2 glucose and glycerol
55	c3wy3A	Alignment	not modelled	62.7	8	PDB header: hydrolase Chain: A: PDB Molecule: alpha-glucosidase; PDBTitle: crystal structure of alpha-glucosidase mutant d202n in complex with2 glucose and glycerol
56	c2ze0A	Alignment	not modelled	62.5	15	PDB header: hydrolase Chain: A: PDB Molecule: alpha-glucosidase; PDBTitle: alpha-glucosidase gsj
57	d1jpdx1	Alignment	not modelled	61.9	14	Fold: TIM beta/alpha-barrel Superfamily: Enolase C-terminal domain-like Family: D-glucarate dehydratase-like
58	c5m99A	Alignment	not modelled	61.9	22	PDB header: hydrolase Chain: A: PDB Molecule: alpha-amylase; PDBTitle: functional characterization and crystal structure of thermostable2 amylase from thermotoga petrophila, reveals high thermostability and3 an archaic form of dimerization
59	c3ih1A	Alignment	not modelled	61.9	17	PDB header: lyase Chain: A: PDB Molecule: methylisocitrate lyase; PDBTitle: crystal structure of carboxyvinyl-carboxyphosphonate phosphorylmutase2 from bacillus anthracis
60	c4r33A	Alignment	not modelled	61.6	13	PDB header: lyase Chain: A: PDB Molecule: nosl; PDBTitle: x-ray structure of the tryptophan lyase nosl with tryptophan and s-2 adenosyl-l-homocysteine bound
61	d1g5aa2	Alignment	not modelled	61.5	23	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
62	c4lsbA	Alignment	not modelled	60.4	22	PDB header: lyase Chain: A: PDB Molecule: lyase/mutase; PDBTitle: crystal structure of a putative lyase/mutase from burkholderia2 cenocepacia j2315
63	c1jqiA	Alignment	not modelled	59.9	23	PDB header: transferase Chain: A: PDB Molecule: amylosucrase; PDBTitle: crystal structure of the active site mutant glu328gln of amylosucrase2 from neisseria polysaccharea in complex with the natural substrate3 sucrose
64	c4wxcC	Alignment	not modelled	59.9	17	PDB header: lyase Chain: C: PDB Molecule: biotin and thiamin synthesis associated; PDBTitle: crystal structure of hydg: a maturase of the [fefe]-hydrogenase
65	c1m7xC	Alignment	not modelled	58.8	23	PDB header: transferase Chain: C: PDB Molecule: 1,4-alpha-glucan branching enzyme; PDBTitle: the x-ray crystallographic structure of branching enzyme
66	c5brqA	Alignment	not modelled	58.8	11	PDB header: hydrolase Chain: A: PDB Molecule: glycoside hydrolase family 13; PDBTitle: crystal structure of bacillus licheniformis trehalose-6-phosphate2 hydrolase (treA)
67	c4j7rA	Alignment	not modelled	58.6	15	PDB header: hydrolase Chain: A: PDB Molecule: isoamylase; PDBTitle: crystal structure of chlamydomonas reinhardtii isoamylase 1 (isa1)
68	c3amIA	Alignment	not modelled	58.4	22	PDB header: transferase Chain: A: PDB Molecule: os06g0726400 protein; PDBTitle: structure of the starch branching enzyme i (bei) from oryza sativa l
69	c1lwhA	Alignment	not modelled	58.4	19	PDB header: transferase Chain: A: PDB Molecule: 4-alpha-glucanotransferase; PDBTitle: crystal structure of t. maritima 4-alpha-glucanotransferase
70	d1wzla3	Alignment	not modelled	58.3	20	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
71	d2guya2	Alignment	not modelled	58.3	19	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
72	c2aaaA	Alignment	not modelled	58.0	15	PDB header: glycosidase Chain: A: PDB Molecule: alpha-amylase; PDBTitle: calcium binding in alpha-amylases: an x-ray diffraction study at 2.12 angstroms resolution of two enzymes from aspergillus
73	d1ea9c3	Alignment	not modelled	58.0	23	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
74	c4mb1A	Alignment	not modelled	57.8	19	PDB header: hydrolase Chain: A: PDB Molecule: oligo-1,6-glucosidase 1; PDBTitle: the structure of mall mutant enzyme g202p from bacillus subtilus
75	d1ht6a2	Alignment	not modelled	57.2	20	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
76	d1r30a	Alignment	not modelled	57.1	6	Fold: TIM beta/alpha-barrel Superfamily: Radical SAM enzymes Family: Biotin synthase
77	c1r30A	Alignment	not modelled	57.1	6	PDB header: transferase Chain: A: PDB Molecule: biotin synthase; PDBTitle: the crystal structure of biotin synthase, an s-adenosylmethionine-2 dependent radical enzyme
78	c3zoaB	Alignment	not modelled	57.1	12	PDB header: hydrolase Chain: B: PDB Molecule: trehalose synthase/amylase tres; PDBTitle: the structure of trehalose synthase (tres) of mycobacterium2 smegmatis in complex with acarbose
79	c5x7uA	Alignment	not modelled	57.0	12	PDB header: hydrolase Chain: A: PDB Molecule: trehalose synthase; PDBTitle: trehalose synthase from thermobaculum terrenum
						PDB header: hydrolase Chain: A: PDB Molecule: neopullulanase;

80	c1jibA	Alignment	not modelled	56.8	19	PDB Title: complex of alpha-amylase ii (tva ii) from thermoactinomyces2 vulgaris r-47 with maltotetraose based on a crystal soaked3 with maltohexaose. PDB header: unknown function Chain: G: PDB Molecule: phosphonomutase; PDB Title: crystal structure of a putative phosphonomutase from burkholderia2 cenocepacia j2315
81	c4mg4G	Alignment	not modelled	56.4	14	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
82	d1gvia3	Alignment	not modelled	56.3	23	PDB header: hydrolyase Chain: B: PDB Molecule: cyclic maltosyl-maltose hydrolase; PDB Title: cyclic alpha-maltosyl-(1-->6)-maltose hydrolase from arthrobacter2 globiformis, ligand-free form
83	c5zxgB	Alignment	not modelled	56.1	20	PDB header: hydrolyase Chain: A: PDB Molecule: alpha amylase, catalytic region; PDB Title: crystal structure of debranching enzyme from nostoc2 punctiforme (npde)
84	c2wcsA	Alignment	not modelled	55.7	8	PDB header: glucosidase Chain: A: PDB Molecule: oligo-1,6-glucosidase; PDB Title: crystal structure of b. cereus oligo-1,6-glucosidase
85	c1uokA	Alignment	not modelled	55.6	15	PDB header: hydrolyase Chain: A: PDB Molecule: sucrose hydrolase; PDB Title: crystal structure analysis of sucrose hydrolase(suh) e322q-sucrose2 complex
86	c3czkA	Alignment	not modelled	55.5	31	PDB header: lyase Chain: B: PDB Molecule: uroporphyrinogen decarboxylase; PDB Title: crystal structure of uroporphyrinogen decarboxylase from2 aquifex aeolicus
87	c2ejab	Alignment	not modelled	55.5	11	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
88	d2aaaa2	Alignment	not modelled	55.3	15	PDB header: hydrolyase Chain: A: PDB Molecule: putative alkaline amylopullulanase; PDB Title: product complex of a multi-modular glycogen-degrading pneumococcal2 virulence factor spua
89	d2gjpa2	Alignment	not modelled	55.2	12	PDB header: hydrolyase Chain: B: PDB Molecule: neopullulanase (alpha-amylase ii); PDB Title: the crystal structure of thermostable amylase from the pyrococcus
90	c2ya1A	Alignment	not modelled	55.1	23	PDB header: isomerase Chain: A: PDB Molecule: trehalose synthase; PDB Title: crystal structure of trehalose synthase from deinococcus radiodurans2 reveals a closed conformation for catalysis of the intramolecular3 isomerization
91	c4aefB	Alignment	not modelled	54.6	12	PDB header: hydrolyase Chain: A: PDB Molecule: a-amylase; PDB Title: amylase in complex with branched ligand
92	c4tvuA	Alignment	not modelled	54.3	12	PDB header: hydrolyase Chain: A: PDB Molecule: alpha-amylase; PDB Title: crystal structure of a noncanonic maltogenic alpha-amylase amyb from2 thermotoga neapolitana
93	c6gyaA	Alignment	not modelled	54.2	8	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
94	c4gkIA	Alignment	not modelled	53.9	12	PDB header: hydrolyase Chain: B: PDB Molecule: uroporphyrinogen decarboxylase; PDB Title: crystal structure of uroporphyrinogen decarboxylase from bacillus2 subtilis
95	d1qhoa4	Alignment	not modelled	53.5	15	PDB header: isomerase Chain: A: PDB Molecule: isomaltulose synthase; PDB Title: crystal structure of isomaltulose synthase (pali) from2 klebsiella sp. lx3
96	c5ykbB	Alignment	not modelled	53.4	12	PDB header: lyase Chain: B: PDB Molecule: alpha-1,4-glucan-4-glucanohydrolase; PDB Title: alpha-amylase from bacillus subtilis complexed with2 maltopentaoose
97	c2infB	Alignment	not modelled	53.0	15	PDB header: hydrolyase Chain: A: PDB Molecule: putative alkaline amylopullulanase; PDB Title: product complex of a multi-modular glycogen-degrading pneumococcal2 virulence factor spua
98	d1avaa2	Alignment	not modelled	52.8	20	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
99	c2z1kA	Alignment	not modelled	52.6	24	PDB header: hydrolyase Chain: A: PDB Molecule: (neo)pullulanase; PDB Title: crystal structure of ttha1563 from thermus thermophilus hb8
100	c1m53A	Alignment	not modelled	52.3	11	PDB header: isomerase Chain: A: PDB Molecule: isomaltulose synthase; PDB Title: crystal structure of isomaltulose synthase (pali) from2 klebsiella sp. lx3
101	c4iaeA	Alignment	not modelled	50.8	15	PDB header: hydrolyase Chain: A: PDB Molecule: glucan 1,6-alpha-glucosidase; PDB Title: structure of glucan-1,6-alpha-glucosidase from lactobacillus2 acidophilus ncfm
102	c1bagA	Alignment	not modelled	50.5	8	PDB header: alpha-amylase Chain: A: PDB Molecule: alpha-1,4-glucan-4-glucanohydrolase; PDB Title: alpha-amylase from bacillus subtilis complexed with2 maltopentaoose
103	d1bf2a3	Alignment	not modelled	50.2	15	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
104	c4e2oA	Alignment	not modelled	50.1	15	PDB header: hydrolyase/hydrolase inhibitor Chain: A: PDB Molecule: alpha-amylase; PDB Title: crystal structure of alpha-amylase from geobacillus thermoleovorans,2 gta, complexed with acarbose
105	d1j0ha3	Alignment	not modelled	49.9	24	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain

106	d2bhua3	Alignment	not modelled	49.8	12	Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
107	d2d69a1	Alignment	not modelled	49.8	10	Fold: TIM beta/alpha-barrel Superfamily: RuBisCo, C-terminal domain Family: RuBisCo, large subunit, C-terminal domain
108	d1j93a_	Alignment	not modelled	49.5	11	Fold: TIM beta/alpha-barrel Superfamily: UROD/MetE-like Family: Uroporphyrinogen decarboxylase, UROD
109	c1qhoA_	Alignment	not modelled	49.4	15	PDB header: hydrolase Chain: A: PDB Molecule: alpha-amylase; PDBTitle: five-domain alpha-amylase from bacillus stearothermophilus,2 maltose/acarbose complex
110	c2yb1A_	Alignment	not modelled	49.0	20	PDB header: hydrolase Chain: A: PDB Molecule: amidohydrolase; PDBTitle: structure of an amidohydrolase from chromobacterium violaceum (efi2 target efi-500202) with bound mn, amp and phosphate.
111	c4rtbA_	Alignment	not modelled	48.4	13	PDB header: lyase Chain: A: PDB Molecule: hydg protein; PDBTitle: x-ray structure of the fefe-hydrogenase maturase hydg from2 carboxydotermus hydrogenoformans
112	c3zt5D_	Alignment	not modelled	48.2	19	PDB header: hydrolase Chain: D: PDB Molecule: putative glucanohydrolase pep1a; PDBTitle: glge isoform 1 from streptomyces coelicolor with maltose2 bound
113	d1ob0a2	Alignment	not modelled	47.7	16	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
114	c5do8A_	Alignment	not modelled	47.4	15	PDB header: hydrolase Chain: A: PDB Molecule: lmo0184 protein; PDBTitle: 1.8 angstrom crystal structure of listeria monocytogenes lmo01842 alpha-1,6-glucosidase
115	c2vncB_	Alignment	not modelled	47.2	23	PDB header: hydrolase Chain: B: PDB Molecule: glycogen operon protein glgx; PDBTitle: crystal structure of glycogen debranching enzyme trex from2 sulfolobus solfataricus
116	c2zidA_	Alignment	not modelled	47.1	12	PDB header: hydrolase Chain: A: PDB Molecule: dextran glucosidase; PDBTitle: crystal structure of dextran glucosidase e236q complex with2 isomaltotriose
117	d1eh9a3	Alignment	not modelled	47.0	23	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
118	c2dh3A_	Alignment	not modelled	46.9	12	PDB header: transport protein, signaling protein Chain: A: PDB Molecule: 4f2 cell-surface antigen heavy chain; PDBTitle: crystal structure of human ed-4f2hc
119	c3a47A_	Alignment	not modelled	46.6	8	PDB header: hydrolase Chain: A: PDB Molecule: oligo-1,6-glucosidase; PDBTitle: crystal structure of isomaltase from saccharomyces cerevisiae
120	c4u33F_	Alignment	not modelled	46.0	19	PDB header: transferase Chain: F: PDB Molecule: alpha-1,4-glucan:maltose-1-phosphate maltosyltransferase; PDBTitle: structure of mtb glge bound to maltose