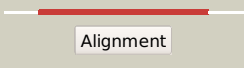

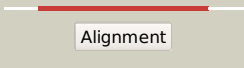

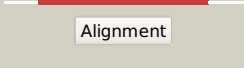

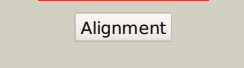

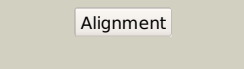

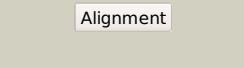
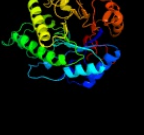
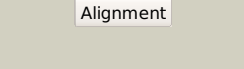

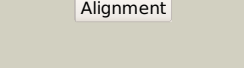

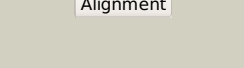

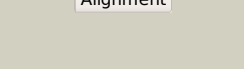

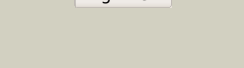



Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3096 (-)_3464544_3465683
Date	Thu Aug 8 16:20:27 BST 2019
Unique Job ID	55af8d7a210056d6

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1uuqa_			100.0	14	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
2	c1uz4A_			100.0	14	PDB header: hydrolase Chain: A: PDB Molecule: man5a; PDBTitle: common inhibition of beta-glucosidase and beta-mannosidase2 by isofagomine lactam reflects different conformational3 itineraries for glucoside and mannoside hydrolysis
3	c6mp2B_			100.0	15	PDB header: hydrolase Chain: B: PDB Molecule: blman5b; PDBTitle: crystal structure of blman5b solved by siras
4	c3obaA_			100.0	11	PDB header: hydrolase Chain: A: PDB Molecule: beta-galactosidase; PDBTitle: structure of the beta-galactosidase from kluyveromyces lactis
5	c3jugA_			100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: beta-mannanase; PDBTitle: crystal structure of endo-beta-1,4-mannanase from the alkaliphilic2 bacillus sp. n16-5
6	c6gvbC_			100.0	14	PDB header: hydrolase Chain: C: PDB Molecule: exo-beta-1,4-mannosidase; PDBTitle: crystal structure of cutibacterium acnes exo-beta-1,4-mannosidase
7	c4tufC_			100.0	18	PDB header: hydrolase Chain: C: PDB Molecule: major extracellular endoglucanase; PDBTitle: catalytic domain of the major endoglucanase from xanthomonas2 campestris pv. campestris
8	d1wkya2			100.0	14	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
9	c1yq2C_			100.0	16	PDB header: hydrolase Chain: C: PDB Molecule: beta-galactosidase; PDBTitle: beta-galactosidase from arthrobacter sp. c2-2 (isozyme c2-2 2-1)
10	c6etzA_			100.0	19	PDB header: hydrolase Chain: A: PDB Molecule: beta-galactosidase; PDBTitle: cold-adapted beta-d-galactosidase from arthrobacter sp. 32cb
11	c1wkya_			100.0	13	PDB header: hydrolase Chain: A: PDB Molecule: endo-beta-1,4-mannanase; PDBTitle: crystal structure of alkaline mannanase from bacillus sp. strain jamb-2 602: catalytic domain and its carbohydrate binding module

12	c1jz6C_	Alignment		100.0	18	PDB header: hydrolase Chain: C: PDB Molecule: beta-galactosidase; PDBTitle: e. coli (lacz) beta-galactosidase in complex with galacto-2 tetrazole
13	c3mv14_	Alignment		100.0	18	PDB header: hydrolase Chain: 4: PDB Molecule: beta-galactosidase; PDBTitle: e.coli (lacz) beta-galactosidase (r599a) in complex with guanidinium
14	c4ee9A_	Alignment		100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: endoglucanase; PDBTitle: crystal structure of the rbc11 endo-1,4-glucanase
15	c2oylB_	Alignment		100.0	16	PDB header: hydrolase Chain: B: PDB Molecule: endoglycoceramidase ii; PDBTitle: endo-glycoceramidase ii from rhodococcus sp.: cellobiose-like2 imidazole complex
16	d1bqca_	Alignment		100.0	13	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
17	c4fk9A_	Alignment		100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: cellulose-binding family ii; PDBTitle: high resolution structure of the catalytic domain of mannanase2 sacte_2347 from streptomyces sp. sirexaa-e
18	c5ccuA_	Alignment		100.0	17	PDB header: hydrolase Chain: A: PDB Molecule: putative secreted endoglycosylceramidase; PDBTitle: crystal structure of endoglycoceramidase i from rhodococ-cus equi
19	c5y6tA_	Alignment		100.0	17	PDB header: carbohydrate Chain: A: PDB Molecule: endo-1,4-beta-mannanase; PDBTitle: crystal structure of endo-1,4-beta-mannanase from eisenia fetida
20	c4oouB_	Alignment		100.0	15	PDB header: hydrolase Chain: B: PDB Molecule: beta-1,4-mannanase; PDBTitle: crystal structure of beta-1,4-d-mannanase from cryptopygus antarcticus
21	c2zunB_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: B: PDB Molecule: 458aa long hypothetical endo-1,4-beta-glucanase; PDBTitle: functional analysis of hyperthermophilic endocellulase from2 the archaeon pyrococcus horikoshii
22	c3vupB_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: B: PDB Molecule: beta-1,4-mannanase; PDBTitle: beta-1,4-mannanase from the common sea hare aplysia kurodai
23	c3wflA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: beta-mannanase; PDBTitle: crstal structure of glycoside hydrolase family 5 beta-mannanase from2 talaromyces trachyspermus
24	c4lx4D_	Alignment	not modelled	100.0	14	PDB header: hydrolase Chain: D: PDB Molecule: endoglucanase(endo-1,4-beta-glucanase)protein; PDBTitle: crystal structure determination of pseudomonas stutzeri endoglucanase2 cel5a using a twinned data set
25	c5fipA_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: gh5 cellulase; PDBTitle: discovery and characterization of a novel thermostable and2 highly halotolerant gh5 cellulase from an icelandic hot3 spring isolate
26	d1ecea_	Alignment	not modelled	100.0	16	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
27	c3wh9A_	Alignment	not modelled	100.0	18	PDB header: hydrolase Chain: A: PDB Molecule: endo-beta-1,4-mannanase; PDBTitle: the ligand-free structure of manbk from aspergillus niger bk01
						Fold: TIM beta/alpha-barrel

28	d2c0ha1	Alignment	not modelled	100.0	18	Superfamily: (Trans)glycosidases Family: beta-glycanases
29	c5e09A	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: A: PDB Molecule: cellulase; PDBTitle: structural insight of a trimodular halophilic cellulase with a family2 46 carbohydrate-binding module
30	c4im4F	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: F: PDB Molecule: endoglucanase e; PDBTitle: multifunctional cellulase, xylanase, mannanase
31	c5uhxA	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: carbohydrate-active enzyme; PDBTitle: structure of cellulase cel5c_1
32	d1egza	Alignment	not modelled	100.0	15	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
33	c4yheB	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: B: PDB Molecule: gh5; PDBTitle: native bacteroidetes-affiliated gh5 cellulase linked with a2 polysaccharide utilization locus
34	c4w7wA	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: A: PDB Molecule: cellulase; PDBTitle: high-resolution structure of xaccel5a in complex with cellopentaose
35	c4htyA	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: A: PDB Molecule: cellulase; PDBTitle: crystal structure of a metagenome-derived cellulase cel5a
36	c4lypA	Alignment	not modelled	100.0	18	PDB header: hydrolase Chain: A: PDB Molecule: exo-beta-1,4-mannosidase; PDBTitle: crystal structure of glycoside hydrolase family 5 mannosidase from2 rhizomucor miehei
37	c3bgaB	Alignment	not modelled	100.0	14	PDB header: hydrolase Chain: B: PDB Molecule: beta-galactosidase; PDBTitle: crystal structure of beta-galactosidase from bacteroides2 thetaiotaomicron vpi-5482
38	c3l55B	Alignment	not modelled	100.0	13	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: b-1,4-endoglucanase/cellulase; PDBTitle: crystal structure of a putative beta-1,4-endoglucanase / cellulase2 from prevotella bryantii
39	d1tvna1	Alignment	not modelled	100.0	15	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
40	c5hosA	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: A: PDB Molecule: cellulase; PDBTitle: crystal structure of the endo-beta-1,4-glucanase xac0029 from2 xanthomonas axonopodis pv. citri
41	c4u5iB	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: B: PDB Molecule: endoglucanase h; PDBTitle: complex structure of mutant ctcel5e (e314a) with xylobiose
42	d1yq2a5	Alignment	not modelled	100.0	13	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
43	c4xzbA	Alignment	not modelled	100.0	13	PDB header: hydrolase Chain: A: PDB Molecule: cela; PDBTitle: endo-glucanase gscela p1
44	c5ihsA	Alignment	not modelled	100.0	13	PDB header: hydrolase Chain: A: PDB Molecule: endoglucanase, glycoside hydrolase family 5 protein; PDBTitle: structure of chu_2103 from cytophaga hutchinsonii
45	c3zizA	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: gh5 endo-beta-1,4-mannanase; PDBTitle: crystal structure of podospora anserina gh5 beta-(1,4)-mannanase
46	c3aysA	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: endoglucanase; PDBTitle: gh5 endoglucanase from a ruminal fungus in complex with cellotriose
47	c4v2xA	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: endo-beta-1,4-glucanase (cellulase b); PDBTitle: high resolution structure of the full length tri-modular2 endo-beta-1,4-glucanase b (cel5b) from bacillus halodurans
48	c5a94B	Alignment	not modelled	100.0	13	PDB header: hydrolase Chain: B: PDB Molecule: putative retaining b-glycosidase; PDBTitle: crystal structure of beta-glucanase sdgluc5_26a from saccharophagus2 degradans in complex with tetrasaccharide a, form 1
49	c6nczB	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: B: PDB Molecule: beta-glucuronidase; PDBTitle: crystal structure of hybrid beta-glucuronidase/beta-galacturonidase2 from fusicatenibacter saccharivorans bound to phenyl-thio-beta-d-3 glucuronide
50	d1edga	Alignment	not modelled	100.0	14	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
51	c3qr3B	Alignment	not modelled	100.0	12	PDB header: hydrolase Chain: B: PDB Molecule: endoglucanase eg-ii; PDBTitle: crystal structure of cel5a (eg2) from hypocreia jecorina (trichoderma2 reesei)
52	c3pzvB	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: B: PDB Molecule: endoglucanase; PDBTitle: c2 crystal form of the endo-1,4-beta-glucanase from bacillus subtilis2 168
53	c4aweA	Alignment	not modelled	100.0	19	PDB header: hydrolase Chain: A: PDB Molecule: endo-beta-d-1,4-mannanase; PDBTitle: the crystal structure of chrysonilia sitophila endo-beta-d-2 1,4-mannanase
						PDB header: hydrolase

54	c4yztA	Alignment	not modelled	100.0	16	Chain: A: PDB Molecule: cellulose hydrolase; PDBTitle: crystal structure of a tri-modular gh5 (subfamily 4) endo-beta-1, 4-2 glucanase from bacillus licheniformis complexed with cellotetraose
55	c3icqD	Alignment	not modelled	100.0	14	PDB header: hydrolase Chain: D: PDB Molecule: endoglucanase d; PDBTitle: crystal structure of the catalytic and carbohydrate binding domain of2 endoglucanase d from clostridium cellulovorans
56	c5i2uB	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: B: PDB Molecule: cellulase; PDBTitle: crystal structure of a novel halo-tolerant cellulase from soil2 metagenome
57	c4nf7A	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: A: PDB Molecule: endo-1,4-beta-glucanase cel5c; PDBTitle: crystal structure of the gh5 family catalytic domain of endo-1,4-beta-2 glucanase cel5c from butyrivibrio proteoclasticus.
58	c3lpgA	Alignment	not modelled	100.0	18	PDB header: hydrolase/hydrolase inhibitor Chain: A: PDB Molecule: beta-glucuronidase; PDBTitle: structure of e. coli beta-glucuronidase bound with a novel, potent2 inhibitor 3-(2-fluorophenyl)-1-(2-hydroxyethyl)-1-((6-methyl-2-oxo-1,3 2-dihydroquinolin-3-yl)methyl)urea
59	c4w8aA	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: exo-xyloglucanase; PDBTitle: crystal structure of xeg5b, a gh5 xyloglucan-specific beta-1,4-2 glucanase from ruminal metagenomic library, in the native form
60	c5c70B	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: B: PDB Molecule: glucuronidase; PDBTitle: the structure of aspergillus oryzae beta-glucuronidase
61	c3zmrA	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: A: PDB Molecule: cellulase (glycosyl hydrolase family 5); PDBTitle: bacteroides ovatus gh5 xyloglucanase in complex with a xxxg2 heptasaccharide
62	d1rh9a1	Alignment	not modelled	100.0	16	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
63	c6d4oA	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: beta-glucuronidase; PDBTitle: eubacterium eligens beta-glucuronidase bound to an amoxapine-2 glucuronide conjugate
64	d1vjza	Alignment	not modelled	100.0	19	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
65	c2cksB	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: B: PDB Molecule: endoglucanase e-5; PDBTitle: x-ray crystal structure of the catalytic domain of thermobifida fusca2 endoglucanase cel5a (e5)
66	c4l3mA	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: A: PDB Molecule: endo-beta-mannanase; PDBTitle: structure of the endo-1,4-beta-mannanase from thermophilic fungus2 rhizomucor miehei
67	d1g01a	Alignment	not modelled	100.0	13	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
68	c2jepB	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: B: PDB Molecule: xyloglucanase; PDBTitle: native family 5 xyloglucanase from paenibacillus pabuli
69	c4x0vH	Alignment	not modelled	100.0	14	PDB header: hydrolase Chain: H: PDB Molecule: beta-1,3-1,4-glucanase; PDBTitle: structure of a gh5 family lichenase from caldicellulosiruptor sp. f32
70	c2w62A	Alignment	not modelled	100.0	12	PDB header: transferase Chain: A: PDB Molecule: glycolipid-anchored surface protein 2; PDBTitle: saccharomyces cerevisiae gas2p in complex with2 laminaripentaose
71	d7a3ha	Alignment	not modelled	100.0	13	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
72	c3pzaA	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: A: PDB Molecule: mannan endo-1,4-beta-mannosidase. glycosyl hydrolase family PDBTitle: structure of the hyperthermostable endo-1,4-beta-d-mannanase from2 thermotoga petrophila rku-1 with maltose and glycerol
73	d1jz8a5	Alignment	not modelled	100.0	17	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
74	d1h1na	Alignment	not modelled	100.0	13	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
75	c3ncoA	Alignment	not modelled	100.0	19	PDB header: hydrolase Chain: A: PDB Molecule: endoglucanase fncel5a; PDBTitle: crystal structure of fncel5a from f. nodosum rt17-b1
76	c6d8kA	Alignment	not modelled	100.0	12	PDB header: hydrolase Chain: A: PDB Molecule: glycosyl hydrolase family 2, sugar binding domain protein; PDBTitle: bacteroides multiple species beta-glucuronidase
77	d1qnra	Alignment	not modelled	100.0	14	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
78	c3ndyA	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: A: PDB Molecule: endoglucanase d; PDBTitle: the structure of the catalytic and carbohydrate binding domain of2 endoglucanase d from clostridium cellulovorans
79	c5oydA	Alianment	not modelled	100.0	18	PDB header: hydrolase Chain: A: PDB Molecule: cellulase, putative, cel5d;

						PDBTitle: gh5 endo-xyloglucanase from cellvibrio japonicus
80	c5z19F_	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: F; PDB Molecule: beta-glucuronidase; PDBTitle: the crystal structure of ruminococcus gnavus beta-glucuronidase in2 complex with uronic isofagomine
81	c6d89B_	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: B; PDB Molecule: beta-galactosidase/beta-glucuronidase; PDBTitle: bacteroides uniformis beta-glucuronidase 1 with n-terminal loop2 deletion
82	c4w86B_	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: B; PDB Molecule: xyloglucan-specific endo-beta-1,4-glucanase; PDBTitle: crystal structure of xeg5a, a gh5 xyloglucan-specific endo-beta-1,4-2 glucanase from ruminal metagenomic library, in complex with glucose3 and tris
83	c6ed1B_	Alignment	not modelled	100.0	19	PDB header: hydrolase Chain: B; PDB Molecule: glycosyl hydrolase family 2, sugar binding domain protein; PDBTitle: bacteroides dorei beta-glucuronidase
84	c6ecaA_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A; PDB Molecule: beta-glucuronidase; PDBTitle: lactobacillus rhamnosus beta-glucuronidase
85	c2w61A_	Alignment	not modelled	100.0	12	PDB header: glycoprotein Chain: A; PDB Molecule: glycolipid-anchored surface protein 2; PDBTitle: saccharomyces cerevisiae gas2p apostructure (e176q mutant)
86	c4jkmB_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: B; PDB Molecule: beta-glucuronidase; PDBTitle: crystal structure of clostridium perfringens beta-glucuronidase
87	d1ceoa_	Alignment	not modelled	100.0	18	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
88	c5z1bC_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: C; PDB Molecule: glycosyl hydrolase family 2, tim barrel domain protein; PDBTitle: structure of bifidobacterium dentium beta-glucuronidase complexed with2 coumarin-3-o-glucuronide
89	c6ed2A_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A; PDB Molecule: glycosyl hydrolase family 2, tim barrel domain protein; PDBTitle: faecalibacterium prausnitzii beta-glucuronidase
90	c1bhgB_	Alignment	not modelled	100.0	20	PDB header: glycosidase Chain: B; PDB Molecule: beta-glucuronidase; PDBTitle: human beta-glucuronidase at 2.6 a resolution
91	c5i6sA_	Alignment	not modelled	100.0	13	PDB header: hydrolase Chain: A; PDB Molecule: endoglucanase; PDBTitle: crystal structure of an endoglucanase from penicillium verruculosum
92	c3w0kA_	Alignment	not modelled	100.0	19	PDB header: hydrolase Chain: A; PDB Molecule: bifunctional endomannanase/endoglucanase; PDBTitle: crystal structure of a glycoside hydrolase
93	c5e9aB_	Alignment	not modelled	100.0	12	PDB header: hydrolase Chain: B; PDB Molecule: beta-galactosidase; PDBTitle: crystal structure analysis of the cold-adamped beta-galactosidase from2 rahnella sp. r3
94	c6gl2A_	Alignment	not modelled	100.0	11	PDB header: hydrolase Chain: A; PDB Molecule: endoglucanase, family gh5; PDBTitle: structure of zgenagah5_4 wild type at 1.2 angstrom resolution
95	c4jkiA_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: A; PDB Molecule: beta-glucuronidase; PDBTitle: crystal structure of streptococcus agalactiae beta-glucuronidase in2 space group p21212
96	d1bhga3	Alignment	not modelled	100.0	21	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
97	c6ncxB_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: B; PDB Molecule: beta-galacturonidase; PDBTitle: crystal structure of gh2 beta-galacturonidase from eisenbergiella tayi2 bound to galacturonate
98	c5uj6A_	Alignment	not modelled	100.0	18	PDB header: hydrolase Chain: A; PDB Molecule: glycosyl hydrolases family 2, sugar binding domain protein; PDBTitle: crystal structure of bacteroides uniformis beta-glucuronidase
99	c4uzsB_	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: B; PDB Molecule: beta-galactosidase; PDBTitle: crystal structure of bifidobacterium bifidum beta-galactosidase
100	c6mvgB_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: B; PDB Molecule: beta-glucuronidase; PDBTitle: crystal structure of fmn-binding beta-glucuronidase from ruminococcus2 gnavus
101	c4uozC_	Alignment	not modelled	100.0	11	PDB header: hydrolase Chain: C; PDB Molecule: beta-galactosidase; PDBTitle: beta-(1,6)-galactosidase from bifidobacterium animalis subsp. lactis2 bl-04 nucleophile mutant e324a in complex with galactose
102	c5jvkB_	Alignment	not modelled	100.0	23	PDB header: hydrolase Chain: B; PDB Molecule: uncharacterized protein; PDBTitle: structural insights into a family 39 glycoside hydrolase from the gut2 symbiont bacteroides cellulosilyticus wh2.
103	c4ojyA_	Alignment	not modelled	100.0	13	PDB header: hydrolase Chain: A; PDB Molecule: beta-galactosidase; PDBTitle: 3d structure of the e323a catalytic mutant of gan42b, a gh42 beta-2 galactosidase from g. stearothermophilus
104	c6mvfA_	Alignment	not modelled	100.0	13	PDB header: hydrolase Chain: A; PDB Molecule: beta-galactosidase/beta-glucuronidase;

104	c0mv1A_	Alignment	not modelled	100.0	15	PDBTitle: crystal structure of fmn-binding beta-glucuronidase from2 facaelibacterium prausnitzii I2-6 PDB header: hydrolase
105	c2y8kA_	Alignment	not modelled	100.0	17	Chain: A; PDB Molecule: carbohydrate binding family 6; PDBTitle: structure of ctgh5-cbm6, an arabinoxylan-specific xylanase.
106	c5bx9A_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A; PDB Molecule: pslg; PDBTitle: structure of pslg from pseudomonas aeruginosa
107	c3mmwB_	Alignment	not modelled	100.0	19	PDB header: hydrolase Chain: B; PDB Molecule: endoglucanase; PDBTitle: crystal structure of endoglucanase cel5a from the hyperthermophilic2 thermotoga maritima
108	c5dmyA_	Alignment	not modelled	100.0	14	PDB header: hydrolase Chain: A; PDB Molecule: beta-galactosidase; PDBTitle: beta-galactosidase - construct 33-930
109	d1kwga2	Alignment	not modelled	100.0	17	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
110	c3cmgA_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: A; PDB Molecule: putative beta-galactosidase; PDBTitle: crystal structure of putative beta-galactosidase from bacteroides2 fragilis
111	c5t98B_	Alignment	not modelled	100.0	19	PDB header: hydrolase Chain: B; PDB Molecule: glycoside hydrolase; PDBTitle: crystal structure of bugh2awt
112	d2pb1a1	Alignment	not modelled	100.0	16	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
113	c4cucA_	Alignment	not modelled	100.0	19	PDB header: hydrolase Chain: A; PDB Molecule: beta-galactosidase; PDBTitle: unravelling the multiple functions of the architecturally intricate2 streptococcus pneumoniae beta-galactosidase, bgaa.
114	c3ttsD_	Alignment	not modelled	100.0	12	PDB header: hydrolase Chain: D; PDB Molecule: beta-galactosidase; PDBTitle: crystal structure of beta-galactosidase from bacillus circulans sp.2 alkalophilus
115	c1kwgA_	Alignment	not modelled	100.0	14	PDB header: hydrolase Chain: A; PDB Molecule: beta-galactosidase; PDBTitle: crystal structure of thermus thermophilus a4 beta- galactosidase
116	c5xb7E_	Alignment	not modelled	100.0	14	PDB header: hydrolase Chain: E; PDB Molecule: beta-galactosidase; PDBTitle: gh42 alpha-l-arabinopyranosidase from bifidobacterium animalis subsp.2 lactis bl-04
117	c4ypjB_	Alignment	not modelled	100.0	18	PDB header: hydrolase Chain: B; PDB Molecule: beta galactosidase; PDBTitle: x-ray structure of the mutant of glycoside hydrolase
118	c3civA_	Alignment	not modelled	100.0	14	PDB header: hydrolase Chain: A; PDB Molecule: endo-beta-1,4-mannanase; PDBTitle: crystal structure of the endo-beta-1,4-mannanase from2 alicyclobacillus acidocaldarius
119	c3fn9B_	Alignment	not modelled	100.0	18	PDB header: hydrolase Chain: B; PDB Molecule: putative beta-galactosidase; PDBTitle: crystal structure of putative beta-galactosidase from bacteroides2 fragilis
120	d1h4pa_	Alignment	not modelled	100.0	18	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases