

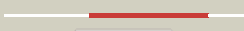





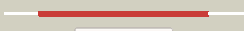
























#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3c67B_	 Alignment		100.0	100	PDB header: hydrolase Chain: B: PDB Molecule: uncharacterized protein ygjk; PDBTitle: escherichia coli k12 ygjk in a complexed with glucose
2	d2jg0a1	 Alignment		100.0	16	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Trehalase-like
3	c2jg0A_	 Alignment		100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: periplasmic trehalase; PDBTitle: family 37 trehalase from escherichia coli in complex with 1-2 thiatrehazolin
4	c2z07A_	 Alignment		100.0	24	PDB header: hydrolase Chain: A: PDB Molecule: putative uncharacterized protein ttha0978; PDBTitle: crystal structure of uncharacterized conserved protein from2 thermus thermophilus hb8
5	c1v7wA_	 Alignment		100.0	14	PDB header: transferase Chain: A: PDB Molecule: chitobiose phosphorylase; PDBTitle: crystal structure of vibrio proteolyticus chitobiose phosphorylase in2 complex with glcnac
6	c2cqtA_	 Alignment		100.0	17	PDB header: transferase Chain: A: PDB Molecule: cellobiose phosphorylase; PDBTitle: crystal structure of cellvibrio gilvus cellobiose phosphorylase2 crystallized from sodium/potassium phosphate
7	d1v7wa1	 Alignment		100.0	16	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Glycosyltransferase family 36 C-terminal domain
8	d1lf6a1	 Alignment		100.0	16	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Bacterial glucoamylase C-terminal domain-like
9	c2okxB_	 Alignment		99.9	18	PDB header: hydrolase Chain: B: PDB Molecule: rhamnosidase b; PDBTitle: crystal structure of gh78 family rhamnosidase of bacillus sp. gl1 at2 1.9 a
10	c1lf6A_	 Alignment		99.9	17	PDB header: hydrolase Chain: A: PDB Molecule: glucoamylase; PDBTitle: crystal structure of bacterial glucoamylase
11	c3cihA_	 Alignment		99.9	18	PDB header: hydrolase Chain: A: PDB Molecule: putative alpha-rhamnosidase; PDBTitle: crystal structure of a putative alpha-rhamnosidase from2 bacteroides thetaiotaomicron

12	d1ulva1	Alignment		99.8	16	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Bacterial glucoamylase C-terminal domain-like
13	d1gaia_	Alignment		99.7	18	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Glucoamylase
14	c1ug9A_	Alignment		99.7	19	PDB header: hydrolase Chain: A: PDB Molecule: glucodextranase; PDBTitle: crystal structure of glucodextranase from arthrobacter globiformis i42
15	d2fbaa1	Alignment		99.7	17	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Glucoamylase
16	c2vn4A_	Alignment		99.6	18	PDB header: hydrolase Chain: A: PDB Molecule: glucoamylase; PDBTitle: glycoside hydrolase family 15 glucoamylase from hypocrea2 jecorina
17	c3qspB_	Alignment		98.9	13	PDB header: hydrolase Chain: B: PDB Molecule: putative uncharacterized protein; PDBTitle: analysis of a new family of widely distributed metal-independent alpha2 mannosidases provides unique insight into the processing of n-linked3 glycans, streptococcus pneumoniae sp_2144 non-productive substrate4 complex with alpha-1,6-mannobiose
18	c2eacB_	Alignment		98.9	17	PDB header: hydrolase Chain: B: PDB Molecule: alpha-fucosidase; PDBTitle: crystal structure of 1,2-a-l-fucosidase from2 bifidobacterium bifidum in complex with3 deoxyfuconojirimycin
19	c2ww1B_	Alignment		98.7	17	PDB header: hydrolase Chain: B: PDB Molecule: putative alpha-1,2-mannosidase; PDBTitle: structure of the family gh92 inverting mannosidase bt39902 from bacteroides thetaiotaomicron vpi-5482 in complex with3 thiomannobioside
20	d2nvpA1	Alignment		98.7	15	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: CPF0428-like
21	d1h54a1	Alignment	not modelled	98.7	13	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Glycosyltransferase family 36 C-terminal domain
22	c2wvyA_	Alignment	not modelled	98.6	16	PDB header: hydrolase Chain: A: PDB Molecule: alpha-1,2-mannosidase; PDBTitle: structure of the family gh92 inverting mannosidase bt21992 from bacteroides thetaiotaomicron vpi-5482
23	c2p0vA_	Alignment	not modelled	98.6	19	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein bt3781; PDBTitle: crystal structure of bt3781 protein from bacteroides2 thetaiotaomicron, northeast structural genomics target3 btr58
24	d2p0va1	Alignment	not modelled	98.6	19	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: CPF0428-like
25	c1h54B_	Alignment	not modelled	98.2	15	PDB header: hydrolase Chain: B: PDB Molecule: maltose phosphorylase; PDBTitle: maltose phosphorylase from lactobacillus brevis
26	c2rdyB_	Alignment	not modelled	98.2	13	PDB header: hydrolase Chain: B: PDB Molecule: bh0842 protein; PDBTitle: crystal structure of a putative glycoside hydrolase family2 protein from bacillus halodurans
27	c3gt5A_	Alignment	not modelled	96.3	12	PDB header: isomerase Chain: A: PDB Molecule: n-acetylglucosamine 2-epimerase; PDBTitle: crystal structure of an n-acetylglucosamine 2-epimerase family protein2 from xylella fastidiosa
28	d2afaa1	Alignment	not modelled	95.1	15	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: N-acylglucosamine (NAG) epimerase
						Fold: alpha/alpha toroid

29	d1fp3a_	Alignment	not modelled	94.1	16	Superfamily: Six-hairpin glycosidases Family: N-acetylglucosamine (NAG) epimerase
30	d2d5ja1	Alignment	not modelled	91.1	16	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Glycosyl Hydrolase Family 88
31	c2zzrA_	Alignment	not modelled	87.7	15	PDB header: hydrolase Chain: A: PDB Molecule: unsaturated glucuronyl hydrolase; PDBTitle: crystal structure of unsaturated glucuronyl hydrolase from2 streptococcus agalactiae
32	c1ut9A_	Alignment	not modelled	70.3	14	PDB header: hydrolase Chain: A: PDB Molecule: cellulose 1,4-beta-cellobiosidase; PDBTitle: structural basis for the exocellulase activity of the2 cellobiohydrolase cbha from c. thermocellum
33	c3k11A_	Alignment	not modelled	70.1	11	PDB header: hydrolase Chain: A: PDB Molecule: putative glycosyl hydrolase; PDBTitle: crystal structure of putative glycosyl hydrolase (np_813087.1) from2 bacteroides thetaiotaomicron vpi-5482 at 1.80 a resolution
34	d1ut9a1	Alignment	not modelled	65.6	14	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Cellulases catalytic domain
35	d1nc5a_	Alignment	not modelled	62.2	11	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Hypothetical protein YteR
36	c1ga2A_	Alignment	not modelled	61.2	19	PDB header: hydrolase Chain: A: PDB Molecule: endoglucanase 9g; PDBTitle: the crystal structure of endoglucanase 9g from clostridium2 cellulolyticum complexed with cellobiose
37	d1ia6a_	Alignment	not modelled	60.6	14	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Cellulases catalytic domain
38	c1clcA_	Alignment	not modelled	55.5	15	PDB header: glycosyl hydrolase Chain: A: PDB Molecule: endoglucanase celd; ec: 3.2.1.4; PDBTitle: three-dimensional structure of endoglucanase d at 1.92 angstroms resolution
39	c3pmmA_	Alignment	not modelled	54.7	11	PDB header: hydrolase Chain: A: PDB Molecule: putative cytoplasmic protein; PDBTitle: the crystal structure of a possible member of gh105 family from2 klebsiella pneumoniae subsp. pneumoniae mgh 78578
40	d1clca1	Alignment	not modelled	52.7	12	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Cellulases catalytic domain
41	d1g87a1	Alignment	not modelled	50.1	19	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Cellulases catalytic domain
42	c2xfgA_	Alignment	not modelled	43.6	14	PDB header: hydrolase/sugar binding protein Chain: A: PDB Molecule: endoglucanase 1; PDBTitle: reassembly and co-crystallization of a family 9 processive2 endoglucanase from separately expressed gh9 and cbm3c3 modules
43	c3gzkA_	Alignment	not modelled	40.5	17	PDB header: hydrolase Chain: A: PDB Molecule: cellulase; PDBTitle: structure of a. acidocaldarius cellulase cela
44	c3nrdB_	Alignment	not modelled	30.5	22	PDB header: nucleotide binding protein Chain: B: PDB Molecule: histidine triad (hit) protein; PDBTitle: crystal structure of a histidine triad (hit) protein (smc02904) from2 sinorhizobium meliloti 1021 at 2.06 a resolution
45	d1tf4a1	Alignment	not modelled	29.2	12	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Cellulases catalytic domain
46	d1ks8a_	Alignment	not modelled	27.4	10	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Cellulases catalytic domain
47	c1x9dA_	Alignment	not modelled	25.3	17	PDB header: hydrolase Chain: A: PDB Molecule: endoplasmic reticulum mannosyl-oligosaccharide 1, PDBTitle: crystal structure of human class i alpha-1,2-mannosidase in2 complex with thio-disaccharide substrate analogue
48	d1x9da1	Alignment	not modelled	25.3	17	Fold: alpha/alpha toroid Superfamily: Seven-hairpin glycosidases Family: Class I alpha-1;2-mannosidase, catalytic domain
49	d1of5b_	Alignment	not modelled	22.0	19	Fold: Cystatin-like Superfamily: NTF2-like Family: NTF2-like
50	d2h8pc1	Alignment	not modelled	17.6	7	Fold: Voltage-gated potassium channels Superfamily: Voltage-gated potassium channels Family: Voltage-gated potassium channels
51	d2pifa1	Alignment	not modelled	16.3	15	Fold: PSTPO5379-like Superfamily: PSTPO5379-like Family: PSTPO5379-like
52	c3oheA_	Alignment	not modelled	16.0	20	PDB header: hydrolase Chain: A: PDB Molecule: histidine triad (hit) protein; PDBTitle: crystal structure of a histidine triad protein (maqu_1709) from2 marinobacter aquaeolei vt8 at 1.20 a resolution
53	c3k7xA_	Alignment	not modelled	15.4	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: lin0763 protein; PDBTitle: crystal structure of the lin0763 protein from listeria2 innocua. northeast structural genomics consortium target3 lkr23.
54	c2lbbA_	Alignment	not modelled	12.7	27	PDB header: protein binding Chain: A: PDB Molecule: acyl coa binding protein; PDBTitle: solution structure of acyl coa binding protein from babesia bovis t2bo

55	c1xc0A_	Alignment	not modelled	12.4	41	PDB header: signaling protein Chain: A: PDB Molecule: pardaxin p-4; PDBTitle: twenty lowest energy structures of pa4 by solution nmr
56	d1nzpa_	Alignment	not modelled	12.3	15	Fold: SAM domain-like Superfamily: DNA polymerase beta, N-terminal domain-like Family: DNA polymerase beta, N-terminal domain-like
57	c3sohB_	Alignment	not modelled	11.2	20	PDB header: motor protein Chain: B: PDB Molecule: flagellar motor switch protein flig; PDBTitle: architecture of the flagellar rotor
58	d1i39a_	Alignment	not modelled	11.1	13	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Ribonuclease H
59	c1i3aA_	Alignment	not modelled	11.1	13	PDB header: hydrolase Chain: A: PDB Molecule: ribonuclease hii; PDBTitle: rnase hii from archaeoglobus fulgidus with cobalt hexammine2 chloride
60	d1gwya_	Alignment	not modelled	10.9	11	Fold: Cytolysin/lectin Superfamily: Cytolysin/lectin Family: Anemone pore-forming cytolysin
61	c2xtdB_	Alignment	not modelled	10.6	8	PDB header: transcription Chain: B: PDB Molecule: tbl1 f-box-like/wd repeat-containing protein tbl1x; PDBTitle: structure of the tbl1 tetramerisation domain
62	c3db3A_	Alignment	not modelled	10.2	43	PDB header: ligase Chain: A: PDB Molecule: e3 ubiquitin-protein ligase uhrf1; PDBTitle: crystal structure of the tandem tudor domains of the e3 ubiquitin-2 protein ligase uhrf1 in complex with trimethylated histone h3-k93 peptide
63	c2xteH_	Alignment	not modelled	9.8	8	PDB header: transcription Chain: H: PDB Molecule: f-box-like/wd repeat-containing protein tbl1x; PDBTitle: structure of the tbl1 tetramerisation domain
64	c2r7aC_	Alignment	not modelled	9.5	13	PDB header: transport protein Chain: C: PDB Molecule: bacterial heme binding protein; PDBTitle: crystal structure of a periplasmic heme binding protein2 from shigella dysenteriae
65	c3kioA_	Alignment	not modelled	9.4	13	PDB header: hydrolase Chain: A: PDB Molecule: ribonuclease h2 subunit a; PDBTitle: mouse rnase h2 complex
66	c2axtc_	Alignment	not modelled	9.0	16	PDB header: electron transport Chain: C: PDB Molecule: photosystem ii cp43 protein; PDBTitle: crystal structure of photosystem ii from thermosynechococcus elongatus
67	d2axtc1	Alignment	not modelled	9.0	16	Fold: Photosystem II antenna protein-like Superfamily: Photosystem II antenna protein-like Family: Photosystem II antenna protein-like
68	d1iwpa_	Alignment	not modelled	8.9	16	Fold: TIM beta/alpha-barrel Superfamily: Cobalamin (vitamin B12)-dependent enzymes Family: Diol dehydratase, alpha subunit
69	d1jmsa1	Alignment	not modelled	8.9	10	Fold: SAM domain-like Superfamily: DNA polymerase beta, N-terminal domain-like Family: DNA polymerase beta, N-terminal domain-like
70	c2jw1A_	Alignment	not modelled	8.8	21	PDB header: membrane protein Chain: A: PDB Molecule: lipoprotein mxim; PDBTitle: structural characterization of the type iii pilotin-2 secretin interaction in shigella flexneri by nmr3 spectroscopy
71	c3i4sB_	Alignment	not modelled	8.8	14	PDB header: hydrolase Chain: B: PDB Molecule: histidine triad protein; PDBTitle: crystal structure of histidine triad protein blr1222 from2 bradyrhizobium japonicum
72	d3boja1	Alignment	not modelled	8.6	20	Fold: CdCA1 repeat-like Superfamily: CdCA1 repeat-like Family: CdCA1 repeat-like
73	d1ekea_	Alignment	not modelled	8.5	13	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Ribonuclease H
74	c2qx5B_	Alignment	not modelled	8.4	21	PDB header: transport protein Chain: B: PDB Molecule: nucleoporin nic96; PDBTitle: structure of nucleoporin nic96
75	d1uaxa_	Alignment	not modelled	8.4	13	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Ribonuclease H
76	c2vixB_	Alignment	not modelled	8.3	14	PDB header: transport protein Chain: B: PDB Molecule: protein mxic; PDBTitle: methylated shigella flexneri mxic
77	c2d0bA_	Alignment	not modelled	8.2	13	PDB header: hydrolase Chain: A: PDB Molecule: ribonuclease hiii; PDBTitle: crystal structure of bst-rnase hiii in complex with mg2+
78	d3boea1	Alignment	not modelled	8.2	23	Fold: CdCA1 repeat-like Superfamily: CdCA1 repeat-like Family: CdCA1 repeat-like
79	c3i24B_	Alignment	not modelled	8.1	43	PDB header: hydrolase Chain: B: PDB Molecule: hit family hydrolase; PDBTitle: crystal structure of a hit family hydrolase protein from2 vibrio fischeri. northeast structural genomics consortium3 target id vfr176
80	d1w8ia_	Alignment	not modelled	8.0	16	Fold: PIN domain-like Superfamily: PIN domain-like Family: PIN domain
81	d2pbea2	Alignment	not modelled	7.9	26	Fold: Nucleotidyltransferase Superfamily: Nucleotidyltransferase

						Family: AadK N-terminal domain-like
82	c2r2vB_	Alignment	not modelled	7.6	36	PDB header: de novo protein Chain: B: PDB Molecule: gcn4 leucine zipper; PDBTitle: sequence determinants of the topology of the lac repressor2 tetrameric coiled coil
83	d1io2a_	Alignment	not modelled	7.6	13	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Ribonuclease H
84	c1ichA_	Alignment	not modelled	7.3	0	PDB header: apoptosis Chain: A: PDB Molecule: tumor necrosis factor receptor-1; PDBTitle: solution structure of the tumor necrosis factor receptor-12 death domain
85	d1icha_	Alignment	not modelled	7.3	0	Fold: DEATH domain Superfamily: DEATH domain Family: DEATH domain, DD
86	d1h2vc2	Alignment	not modelled	7.2	14	Fold: alpha-alpha superhelix Superfamily: ARM repeat Family: MIF4G domain-like
87	c3igmA_	Alignment	not modelled	7.0	16	PDB header: transcription/dna Chain: A: PDB Molecule: pf14_0633 protein; PDBTitle: a 2.2a crystal structure of the ap2 domain of pf14_0633 from p.2 falciparum, bound as a domain-swapped dimer to its cognate dna
88	d2bcqa1	Alignment	not modelled	7.0	17	Fold: SAM domain-like Superfamily: DNA polymerase beta, N-terminal domain-like Family: DNA polymerase beta, N-terminal domain-like
89	c3fgrB_	Alignment	not modelled	6.8	32	PDB header: hydrolase Chain: B: PDB Molecule: putative phospholipase b-like 2 40 kda form; PDBTitle: two chain form of the 66.3 kda protein at 1.8 angstroem
90	c2fqzC_	Alignment	not modelled	6.7	13	PDB header: hydrolase/dna Chain: C: PDB Molecule: r.ec18ki; PDBTitle: metal-depleted ec18ki in complex with uncleaved dna
91	c3hwiA_	Alignment	not modelled	6.7	18	PDB header: ligase Chain: A: PDB Molecule: e3 ubiquitin-protein ligase mycbp2; PDBTitle: crystal structure of the second phr domain of mouse myc-2 binding protein 2 (mycbp-2)
92	d2d5ua1	Alignment	not modelled	6.6	10	Fold: PUG domain-like Superfamily: PUG domain-like Family: PUG domain
93	c2bldD_	Alignment	not modelled	6.5	17	PDB header: virus Chain: D: PDB Molecule: penton protein; PDBTitle: the quasi-atomic model of human adenovirus type 52 capsid (part 1)
94	c3renB_	Alignment	not modelled	6.5	18	PDB header: hydrolase Chain: B: PDB Molecule: glycosyl hydrolase, family 8; PDBTitle: cpf_2247, a novel alpha-amylase from clostridium perfringens
95	d1su3a1	Alignment	not modelled	6.4	17	Fold: PGBD-like Superfamily: PGBD-like Family: MMP N-terminal domain
96	d2etja1	Alignment	not modelled	6.4	13	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Ribonuclease H
97	c2etjA_	Alignment	not modelled	6.4	13	PDB header: hydrolase Chain: A: PDB Molecule: ribonuclease hii; PDBTitle: crystal structure of ribonuclease hii (ec 3.1.26.4) (rnase hii)2 (tm0915) from thermotoga maritima at 1.74 a resolution
98	d3pmga4	Alignment	not modelled	6.3	20	Fold: TBP-like Superfamily: Phosphoglucumutase, C-terminal domain Family: Phosphoglucumutase, C-terminal domain
99	c3no8A_	Alignment	not modelled	6.3	25	PDB header: isomerase regulator Chain: A: PDB Molecule: bttb/poz domain-containing protein 2; PDBTitle: crystal structure of the phr domain from human btbd2 protein