










Phyre2

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Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1oa4a_	Alignment		100.0	52	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
2	d2nlra_	Alignment		100.0	51	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
3	d1oa2a_	Alignment		100.0	27	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
4	d1oa3a_	Alignment		100.0	27	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
5	d2bw8a1	Alignment		100.0	30	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
6	c1h0bA_	Alignment		100.0	30	PDB header: hydrolase Chain: A: PDB Molecule: cellulase; PDBTitle: endoglucanase cel12a from rhodothermus marinus
7	c5m2dB_	Alignment		100.0	29	PDB header: hydrolase Chain: B: PDB Molecule: endoglucanase-like protein; PDBTitle: crystal structure 4ac endoglucanase-like protein from acremonium2 chrysogenum
8	c2jemB_	Alignment		100.0	24	PDB header: hydrolase Chain: B: PDB Molecule: endo-beta-1,4-glucanase; PDBTitle: native family 12 xyloglucanase from bacillus licheniformis
9	c5gm5G_	Alignment		100.0	31	PDB header: hydrolase/inhibitor Chain: G: PDB Molecule: endoglucanase-1; PDBTitle: crystal structure of fi-cmcase from aspergillus aculeatus f-50 in2 complex with cellobiose
10	d1ks5a_	Alignment		100.0	29	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
11	d1olra_	Alignment		100.0	21	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12

12	c4nprA_	Alignment		100.0	28	PDB header: hydrolase Chain: A: PDB Molecule: xyloglucan-specific endo-beta-1,4-glucanase gh12; PDBTitle: crystal structure of the family 12 xyloglucanase from aspergillus2 niveus
13	c3vlbB_	Alignment		100.0	33	PDB header: plant protein/hydrolase Chain: B: PDB Molecule: xyloglucan-specific endo-beta-1,4-glucanase a; PDBTitle: crystal structure of xeg-edgp
14	c3o7oB_	Alignment		100.0	22	PDB header: hydrolase Chain: B: PDB Molecule: endoglucanase; PDBTitle: use of synthetic symmetrization in the crystallization and structure2 determination of cela from thermotoga maritima
15	c3vgiA_	Alignment		100.0	24	PDB header: hydrolase Chain: A: PDB Molecule: endoglucanase a; PDBTitle: the crystal structure of hyperthermophilic family 12 endocellulase2 from pyrococcus furiosus
16	d1h4ga_	Alignment		96.9	15	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
17	d1igoa_	Alignment		96.9	15	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
18	d1xyna_	Alignment		96.4	18	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
19	c2dcjA_	Alignment		95.6	16	PDB header: hydrolase Chain: A: PDB Molecule: xylanase j; PDBTitle: a two-domain structure of alkaliphilic xynj from bacillus sp. 41m-1
20	d1f5ja_	Alignment		95.3	13	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
21	d1m4wa_	Alignment	not modelled	93.8	15	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
22	c5gyiA_	Alignment	not modelled	92.0	10	PDB header: hydrolase Chain: A: PDB Molecule: endo-1,4-beta-xylanase; PDBTitle: crystal structure of enzbleach xylanase v176c+e220c mutant
23	d2dcya1	Alignment	not modelled	90.9	13	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
24	c3wp6A_	Alignment	not modelled	89.5	14	PDB header: hydrolase Chain: A: PDB Molecule: cdbfv; PDBTitle: the complex structure of cdbfv e109a with xylotriose
25	d1ynaa_	Alignment	not modelled	88.7	15	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
26	c2c1fA_	Alignment	not modelled	85.5	14	PDB header: hydrolase Chain: A: PDB Molecule: bifunctional endo-1,4-beta-xylanase a; PDBTitle: the structure of the family 11 xylanase from neocallimastix2 patriciarum
27	d1hixa_	Alignment	not modelled	84.8	19	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
28	d2dfba1	Alignment	not modelled	84.3	16	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
29	d1te1b_	Alignment	not modelled	84.1	14	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12

30	c1axkB_	Alignment	not modelled	83.4	14	PDB header: fusion protein Chain: B: PDB Molecule: gluxyn-1; PDBTitle: engineered bacillus bifunctional enzyme gluxyn-1
31	d1xnka1	Alignment	not modelled	83.3	14	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
32	c2vuUA_	Alignment	not modelled	80.1	16	PDB header: hydrolase Chain: A: PDB Molecule: gh11 xylanase; PDBTitle: thermostable mutant of environmentally isolated gh112 xylanase
33	d1xnda_	Alignment	not modelled	79.9	17	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
34	d1pvxA_	Alignment	not modelled	79.5	15	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
35	d1t6gc_	Alignment	not modelled	75.8	15	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12
36	c5vqjA_	Alignment	not modelled	31.5	10	PDB header: hydrolase Chain: A: PDB Molecule: exo-beta-1,4-xylanase; PDBTitle: discovery of a first gh11 exo-1,4-beta-xylanase from a diverse2 microbial sugar cane bagasse composting community
37	d1edqa1	Alignment	not modelled	30.1	19	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: E-set domains of sugar-utilizing enzymes
38	d1whqa_	Alignment	not modelled	13.5	12	Fold: dsRBD-like Superfamily: dsRNA-binding domain-like Family: Double-stranded RNA-binding domain (dsRBD)
39	c3lb9C_	Alignment	not modelled	12.9	13	PDB header: hydrolase Chain: C: PDB Molecule: endo-1,4-beta-xylanase; PDBTitle: crystal structure of the b. circulans cpa123 circular permutant
40	c4rhzB_	Alignment	not modelled	8.0	25	PDB header: toxin Chain: B: PDB Molecule: cry37aa1; PDBTitle: crystal structure of cry23aa1 and cry37aa1 binary protein complex
41	c2qtXL_	Alignment	not modelled	7.8	60	PDB header: rna binding protein Chain: L: PDB Molecule: uncharacterized protein mj1435; PDBTitle: crystal structure of an hfq-like protein from methanococcus jannaschii
42	c4hjiA_	Alignment	not modelled	6.4	23	PDB header: cell adhesion Chain: A: PDB Molecule: cs1 fimbrial subunit a; PDBTitle: structure of the coo pilin subunit from enterotoxigenic escherichia2 coli
43	c3nrwA_	Alignment	not modelled	6.3	6	PDB header: recombination Chain: A: PDB Molecule: phage integrase/site-specific recombinase; PDBTitle: crystal structure of the n-terminal domain of phage integrase/site-2 specific recombinase (tnp) from haloarcula marismortui, northeast3 structural genomics consortium target hmr208a
44	d1ig0a1	Alignment	not modelled	5.1	16	Fold: Double-stranded beta-helix Superfamily: Thiamin pyrophosphokinase, substrate-binding domain Family: Thiamin pyrophosphokinase, substrate-binding domain