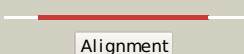
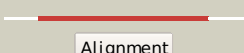
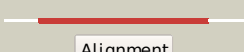
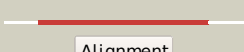
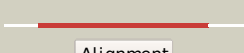
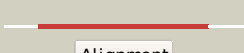


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3nreB_	 Alignment		100.0	20	PDB header: isomerase Chain: B: PDB Molecule: aldose 1-epimerase; PDBTitle: crystal structure of a putative aldose 1-epimerase (b2544) from <i>Escherichia coli</i> K12 at 1.59 Å resolution
2	dlz45a1	 Alignment		100.0	23	Fold: Supersandwich Superfamily: Galactose mutarotase-like Family: Aldose 1-epimerase (mutarotase)
3	dlso0a_	 Alignment		100.0	23	Fold: Supersandwich Superfamily: Galactose mutarotase-like Family: Aldose 1-epimerase (mutarotase)
4	c3imhB_	 Alignment		100.0	19	PDB header: isomerase Chain: B: PDB Molecule: galactose-1-epimerase; PDBTitle: crystal structure of galactose 1-epimerase from <i>Lactobacillus acidophilus</i> NCfM
5	clygaA_	 Alignment		100.0	22	PDB header: isomerase Chain: A: PDB Molecule: hypothetical 37.9 kDa protein in bio3-hxt17 PDBTitle: crystal structure of <i>Saccharomyces cerevisiae</i> Yn9a protein, 2 New York Structural Genomics Consortium
6	clz45A_	 Alignment		100.0	22	PDB header: isomerase Chain: A: PDB Molecule: gal10 bifunctional protein; PDBTitle: crystal structure of the gal10 fusion protein galactose 2 mutarotase/UDP-galactose 4-epimerase from <i>Saccharomyces cerevisiae</i> complexed with NAD, UDP-glucose, and galactose
7	dl1lra_	 Alignment		100.0	22	Fold: Supersandwich Superfamily: Galactose mutarotase-like Family: Aldose 1-epimerase (mutarotase)
8	dlnsza_	 Alignment		100.0	20	Fold: Supersandwich Superfamily: Galactose mutarotase-like Family: Aldose 1-epimerase (mutarotase)
9	c3os7B_	 Alignment		100.0	19	PDB header: isomerase Chain: B: PDB Molecule: galactose mutarotase-like protein; PDBTitle: crystal structure of a galactose mutarotase-like protein (ca_c0697)2 from <i>Clostridium acetobutylicum</i> at 1.80 Å resolution
10	c3os7D_	 Alignment		100.0	19	PDB header: isomerase Chain: D: PDB Molecule: galactose mutarotase-like protein; PDBTitle: crystal structure of a galactose mutarotase-like protein (ca_c0697)2 from <i>Clostridium acetobutylicum</i> at 1.80 Å resolution
11	c3dcdA_	 Alignment		100.0	16	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: galactose mutarotase related enzyme; PDBTitle: x-ray structure of the galactose mutarotase related enzyme q5fkd7 from <i>Lactobacillus acidophilus</i> at the resolution 1.9 Å. Northeast Structural Genomics Consortium target Iar33.

12	c3q1nA_	Alignment		100.0	20	PDB header: isomerase Chain: A: PDB Molecule: galactose mutarotase related enzyme; PDBTitle: crystal structure of a galactose mutarotase-like protein (lse1_2598)2 from lactobacillus casei atcc 334 at 1.61 a resolution
13	c3mwxA_	Alignment		100.0	22	PDB header: isomerase Chain: A: PDB Molecule: aldose 1-epimerase; PDBTitle: crystal structure of a putative galactose mutarotase (bsu18360) from2 bacillus subtilis at 1.45 a resolution
14	c3k25B_	Alignment		100.0	20	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: slr1438 protein; PDBTitle: crystal structure of slr1438 protein from synechocystis sp. pcc 6803,2 northeast structural genomics consortium target sgr112
15	c2cisA_	Alignment		100.0	13	PDB header: isomerase Chain: A: PDB Molecule: hexose-6-phosphate mutarotase; PDBTitle: structure-based functional annotation: yeast ymr099c codes2 for a d-hexose-6-phosphate mutarotase. complex with3 tagatose-6-phosphate
16	c2htbB_	Alignment		100.0	15	PDB header: isomerase Chain: B: PDB Molecule: putative enzyme related to aldose 1-epimerase; PDBTitle: crystal structure of a putative mutarotase (yead) from2 salmonella typhimurium in monoclinic form
17	dljova_	Alignment		100.0	18	Fold: Supersandwich Superfamily: Galactose mutarotase-like Family: Hypothetical protein HI1317
18	c3ty1B_	Alignment		100.0	11	PDB header: isomerase Chain: B: PDB Molecule: hypothetical aldose 1-epimerase; PDBTitle: crystal structure of a hypothetical aldose 1-epimerase (kpn_04629)2 from klebsiella pneumoniae subsp. pneumoniae mgh 78578 at 1.90 a3 resolution
19	c3blcB_	Alignment		98.1	12	PDB header: chaperone,protein transport Chain: B: PDB Molecule: inner membrane protein oxaa; PDBTitle: crystal structure of the periplasmic domain of the escherichia coli2 yidc
20	c3bs6B_	Alignment		98.1	10	PDB header: membrane protein, protein transport Chain: B: PDB Molecule: inner membrane protein oxaa; PDBTitle: 1.8 angstrom crystal structure of the periplasmic domain of2 the membrane insertase yidc
21	dljz8a4	Alignment	not modelled	93.2	12	Fold: Supersandwich Superfamily: Galactose mutarotase-like Family: beta-Galactosidase, domain 5
22	c2yfnA_	Alignment	not modelled	89.8	13	PDB header: hydrolase Chain: A: PDB Molecule: alpha-galactosidase-sucrose kinase agask; PDBTitle: galactosidase domain of alpha-galactosidase-sucrose kinase,2 agask
23	c2xn1B_	Alignment	not modelled	89.0	10	PDB header: hydrolase Chain: B: PDB Molecule: alpha-galactosidase; PDBTitle: structure of alpha-galactosidase from lactobacillus acidophilus ncfm2 with tris
24	c3rgbA_	Alignment	not modelled	86.3	14	PDB header: oxidoreductase Chain: A: PDB Molecule: methane monooxygenase subunit b2; PDBTitle: crystal structure of particulate methane monooxygenase from2 methylococcus capsulatus (bath)
25	clyewl_	Alignment	not modelled	86.3	14	PDB header: oxidoreductase, membrane protein Chain: I: PDB Molecule: particulate methane monooxygenase, b subunit; PDBTitle: crystal structure of particulate methane monooxygenase
26	c3mi6A_	Alignment	not modelled	83.2	11	PDB header: hydrolase Chain: A: PDB Molecule: alpha-galactosidase; PDBTitle: crystal structure of the alpha-galactosidase from lactobacillus2 brevis, northeast structural genomics consortium target lbr11.
27	c3rfri_	Alignment	not modelled	82.2	17	PDB header: oxidoreductase Chain: I: PDB Molecule: pmob; PDBTitle: crystal structure of particulate methane monooxygenase (pmmo) from2 methylocystis sp. strain m
28	c3bgaB_	Alignment	not modelled	75.3	17	PDB header: hydrolase Chain: B: PDB Molecule: beta-galactosidase; PDBTitle: crystal structure of beta-galactosidase from

					bacteroides2 thetaiotaomicron vpi-5482
29	c1jz6C_	Alignment	not modelled	74.5	14 PDB header: hydrolase Chain: C: PDB Molecule: beta-galactosidase; PDBTitle: e. coli (lacZ) beta-galactosidase in complex with galacto-2 tetrazole
30	c3mv14_	Alignment	not modelled	71.1	14 PDB header: hydrolase Chain: 4: PDB Molecule: beta-galactosidase; PDBTitle: e.coli (lacZ) beta-galactosidase (r599a) in complex with guanidinium
31	c1so9A_	Alignment	not modelled	65.5	10 PDB header: metal transport Chain: A: PDB Molecule: cytochrome c oxidase assembly protein ctg; PDBTitle: solution structure of apocox11, 30 structures
32	d1so9a_	Alignment	not modelled	65.5	10 Fold: Ctag/Cox11 Superfamily: Ctag/Cox11 Family: Ctag/Cox11
33	d1ejxb_	Alignment	not modelled	63.0	17 Fold: beta-clip Superfamily: Urease, beta-subunit Family: Urease, beta-subunit
34	d4ubpb_	Alignment	not modelled	62.3	26 Fold: beta-clip Superfamily: Urease, beta-subunit Family: Urease, beta-subunit
35	d1e9ya1	Alignment	not modelled	52.4	22 Fold: beta-clip Superfamily: Urease, beta-subunit Family: Urease, beta-subunit
36	c3qgaD_	Alignment	not modelled	50.7	22 PDB header: hydrolase Chain: D: PDB Molecule: fusion of urease beta and gamma subunits; PDBTitle: 3.0 a model of iron containing urease urea2b2 from helicobacter2 mustelae
37	d1ji1a2	Alignment	not modelled	49.2	8 Fold: Glycosyl hydrolase domain Superfamily: Glycosyl hydrolase domain Family: alpha-Amylases, C-terminal beta-sheet domain
38	c3qbtH_	Alignment	not modelled	47.2	26 PDB header: protein transport/hydrolase Chain: H: PDB Molecule: inositol polyphosphate 5-phosphatase ocr1-1; PDBTitle: crystal structure of ocr1 540-678 in complex with rab8a:gppnhp
39	c1e9zA_	Alignment	not modelled	44.9	22 PDB header: hydrolase Chain: A: PDB Molecule: urease subunit alpha; PDBTitle: crystal structure of helicobacter pylori urease
40	c3obaA_	Alignment	not modelled	39.7	9 PDB header: hydrolase Chain: A: PDB Molecule: beta-galactosidase; PDBTitle: structure of the beta-galactosidase from kluyveromyces lactis
41	d1nkga3	Alignment	not modelled	38.0	11 Fold: Supersandwich Superfamily: Galactose mutarotase-like Family: Rhamnogalacturonase B, RhgB, N-terminal domain
42	c1nkga_	Alignment	not modelled	32.3	11 PDB header: lyase Chain: A: PDB Molecule: rhamnogalacturonase b; PDBTitle: rhamnogalacturonan lyase from aspergillus aculeatus
43	d1wz1a2	Alignment	not modelled	25.0	17 Fold: Glycosyl hydrolase domain Superfamily: Glycosyl hydrolase domain Family: alpha-Amylases, C-terminal beta-sheet domain
44	c3isyA_	Alignment	not modelled	24.4	6 PDB header: protein binding Chain: A: PDB Molecule: intracellular proteinase inhibitor; PDBTitle: crystal structure of an intracellular proteinase inhibitor (ipi,2 bsu11130) from bacillus subtilis at 2.61 a resolution
45	c2r39A_	Alignment	not modelled	19.8	14 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: fixg-related protein; PDBTitle: crystal structure of fixg-related protein from vibrio parahaemolyticus
46	c2x3bB_	Alignment	not modelled	19.6	13 PDB header: hydrolase Chain: B: PDB Molecule: toxic extracellular endopeptidase; PDBTitle: asap1 inactive mutant e294a, an extracellular toxic zinc2 metalloendopeptidase
47	c3ac0B_	Alignment	not modelled	16.7	20 PDB header: hydrolase Chain: B: PDB Molecule: beta-glucosidase i; PDBTitle: crystal structure of beta-glucosidase from kluyveromyces marxianus in2 complex with glucose
48	c2cqtA_	Alignment	not modelled	16.2	9 PDB header: transferase Chain: A: PDB Molecule: cellobiose phosphorylase; PDBTitle: crystal structure of cel/vibrio gilvus cellobiose phosphorylase2 crystallized from sodium/potassium phosphate
49	d2je8a2	Alignment	not modelled	15.1	12 Fold: Immunoglobulin-like beta-sandwich Superfamily: beta-Galactosidase/glucuronidase domain Family: beta-Galactosidase/glucuronidase domain
50	c2zf9D_	Alignment	not modelled	12.6	15 PDB header: structural protein Chain: D: PDB Molecule: scae cell-surface anchored scaffoldin protein; PDBTitle: crystal structure of a type iii cohesin module from the cellulosomal2 scae cell-surface anchoring scaffoldin of ruminococcus flavefaciens
51	c2kl8A_	Alignment	not modelled	11.5	31 PDB header: de novo protein Chain: A: PDB Molecule: or15; PDBTitle: solution nmr structure of de novo designed ferredoxin-like2 fold protein, northeast structural genomics consortium3 target or15
52	d1cc3a_	Alignment	not modelled	10.7	20 Fold: Cupredoxin-like Superfamily: Cupredoxins Family: Plastocyanin/azurin-like
53	d1g94a1	Alignment	not modelled	10.4	21 Fold: Glycosyl hydrolase domain Superfamily: Glycosyl hydrolase domain Family: alpha-Amylases, C-terminal beta-sheet domain

54	dlcx1a_	Alignment	not modelled	9.8	18	Fold: Galactose-binding domain-like Superfamily: Galactose-binding domain-like Family: CBM4/9
55	dlnbca_	Alignment	not modelled	9.0	15	Fold: Common fold of diphtheria toxin/transcription factors/cytochrome f Superfamily: Carbohydrate-binding domain Family: Cellulose-binding domain family III
56	c3cfuA_	Alignment	not modelled	8.7	33	PDB header: lipoprotein Chain: A: PDB Molecule: uncharacterized lipoprotein yjha; PDBTitle: crystal structure of the yjha protein from bacillus2 subtilis. northeast structural genomics consortium target3 sr562
57	c1v7wA_	Alignment	not modelled	8.6	11	PDB header: transferase Chain: A: PDB Molecule: chitobiose phosphorylase; PDBTitle: crystal structure of vibrio proteolyticus chitobiose phosphorylase in2 complex with glcnac
58	d1gu3a_	Alignment	not modelled	8.1	18	Fold: Galactose-binding domain-like Superfamily: Galactose-binding domain-like Family: CBM4/9
59	d1v7wa2	Alignment	not modelled	8.1	12	Fold: Supersandwich Superfamily: Galactose mutarotase-like Family: Glycosyltransferase family 36 N-terminal domain
60	d1ktba1	Alignment	not modelled	8.0	14	Fold: Glycosyl hydrolase domain Superfamily: Glycosyl hydrolase domain Family: alpha-Amylases, C-terminal beta-sheet domain
61	d1g43a_	Alignment	not modelled	7.9	5	Fold: Common fold of diphtheria toxin/transcription factors/cytochrome f Superfamily: Carbohydrate-binding domain Family: Cellulose-binding domain family III
62	c3zqwA_	Alignment	not modelled	7.7	15	PDB header: carbohydrate-binding protein Chain: A: PDB Molecule: cellulosomal scaffoldin; PDBTitle: structure of cbm3b of major scaffoldin subunit scaa from2 acetivibrio cellulolyticus
63	c2l8aA_	Alignment	not modelled	7.6	9	PDB header: hydrolase Chain: A: PDB Molecule: endoglucanase; PDBTitle: structure of a novel cbm3 lacking the calcium-binding site
64	d1dkza2	Alignment	not modelled	7.4	23	Fold: Heat shock protein 70kD (HSP70), peptide-binding domain Superfamily: Heat shock protein 70kD (HSP70), peptide-binding domain Family: Heat shock protein 70kD (HSP70), peptide-binding domain
65	d2ccwa1	Alignment	not modelled	7.3	17	Fold: Cupredoxin-like Superfamily: Cupredoxins Family: Plastocyanin/azurin-like
66	c3dqqC_	Alignment	not modelled	7.0	13	PDB header: chaperone Chain: C: PDB Molecule: heat shock 70 kda protein f; PDBTitle: peptide-binding domain of heat shock 70 kda protein f, mitochondrial2 precursor, from caenorhabditis elegans.
67	d1u00a2	Alignment	not modelled	6.7	20	Fold: Heat shock protein 70kD (HSP70), peptide-binding domain Superfamily: Heat shock protein 70kD (HSP70), peptide-binding domain Family: Heat shock protein 70kD (HSP70), peptide-binding domain
68	c3qfgA_	Alignment	not modelled	6.6	7	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: structure of a putative lipoprotein from staphylococcus aureus subsp.2 aureus nctc 8325
69	d1cuoa_	Alignment	not modelled	6.4	17	Fold: Cupredoxin-like Superfamily: Cupredoxins Family: Plastocyanin/azurin-like
70	d3dhpA1	Alignment	not modelled	6.4	19	Fold: Glycosyl hydrolase domain Superfamily: Glycosyl hydrolase domain Family: alpha-Amylases, C-terminal beta-sheet domain
71	d1mspa_	Alignment	not modelled	6.4	22	Fold: Immunoglobulin-like beta-sandwich Superfamily: PapD-like Family: MSP-like
72	c2wo4A_	Alignment	not modelled	6.3	19	PDB header: hydrolase Chain: A: PDB Molecule: glycoside hydrolase, family 9; PDBTitle: 3b' carbohydrate-binding module from the cel9v glycoside2 hydrolase from clostridium thermocellum, in-house data
73	d2vzsa2	Alignment	not modelled	6.2	16	Fold: Immunoglobulin-like beta-sandwich Superfamily: beta-Galactosidase/glucuronidase domain Family: beta-Galactosidase/glucuronidase domain
74	d3es6b1	Alignment	not modelled	6.0	8	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: SVA-like
75	d2j5wa3	Alignment	not modelled	5.9	0	Fold: Cupredoxin-like Superfamily: Cupredoxins Family: Multidomain cupredoxins
76	d1hfua2	Alignment	not modelled	5.8	13	Fold: Cupredoxin-like Superfamily: Cupredoxins Family: Multidomain cupredoxins
77	d2f2ha2	Alignment	not modelled	5.8	8	Fold: Supersandwich Superfamily: Galactose mutarotase-like Family: YicI N-terminal domain-like
78	d1azca_	Alignment	not modelled	5.6	17	Fold: Cupredoxin-like Superfamily: Cupredoxins Family: Plastocyanin/azurin-like
79	c3tdqB_	Alignment	not modelled	5.6	19	PDB header: cell adhesion Chain: B: PDB Molecule: pily2 protein; PDBTitle: crystal structure of a fimbrial biogenesis protein pily22 (pily2_pa4555) from pseudomonas aeruginosa pao1 at 2.10 a resolution
80	d1jaea1	Alignment	not modelled	5.2	16	Fold: Glycosyl hydrolase domain Superfamily: Glycosyl hydrolase domain

				Family:alpha-Amylases, C-terminal beta-sheet domain	
81	c2aenH_	Alignment	not modelled	5.2	12
				PDB header:viral protein Chain: H: PDB Molecule:outer capsid protein vp4, vp8* core; PDBTitle: crystal structure of the rotavirus strain ds-1 vp8* core	