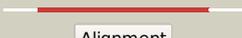
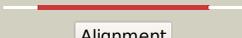
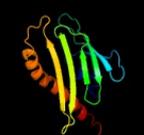
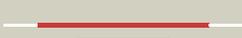
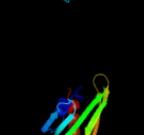
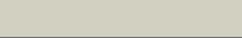
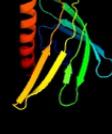
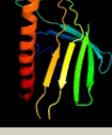


Phyre2

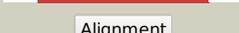
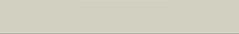
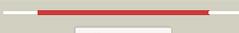
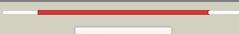
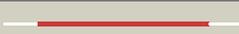
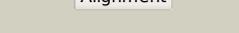
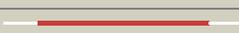
Email	mdejesus@rockefeller.edu
Description	RVBD0856 (-) _952828_953232
Date	Fri Jul 26 01:50:44 BST 2019
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Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5z8oA_	 Alignment		99.8	24	PDB header: unknown function Chain: A: PDB Molecule: cyclase/dehydrase; PDBTitle: structural of start superfamily protein msmeg_0129 from mycobacterium2 smegmatis
2	d1t17a_	 Alignment		99.8	15	Fold: TBP-like Superfamily: Bet v1-like Family: oligoketide cyclase/dehydrase-like
3	d2d4ra1	 Alignment		99.8	16	Fold: TBP-like Superfamily: Bet v1-like Family: oligoketide cyclase/dehydrase-like
4	c2kf2A_	 Alignment		99.8	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative polyketide cyclase; PDBTitle: solution nmr structure of of streptomyces coelicolor2 polyketide cyclase sco5315. northeast structural genomics3 consortium target rr365
5	c4xrwA_	 Alignment		99.8	15	PDB header: lyase Chain: A: PDB Molecule: bex1; PDBTitle: crystal structure of the di-domain aro/cyc bex1 from the be-7585a2 biosynthetic pathway
6	d2rera1	 Alignment		99.7	14	Fold: TBP-like Superfamily: Bet v1-like Family: oligoketide cyclase/dehydrase-like
7	c3tfzB_	 Alignment		99.7	13	PDB header: biosynthetic protein Chain: B: PDB Molecule: cyclase; PDBTitle: crystal structure of zhui aromatase/cyclase from streptomycyces sp.2 r1128
8	c2le1A_	 Alignment		99.7	9	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of tfu_2981 from thermobifida fusca, northeast2 structural genomics consortium target tfr85a
9	c4xrtB_	 Alignment		99.7	12	PDB header: lyase Chain: B: PDB Molecule: stfq aromatase/cyclase; PDBTitle: crystal structure of the di-domain aro/cyc stfq from the steffimycin2 biosynthetic pathway
10	c3p9vA_	 Alignment		99.6	19	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: high resolution crystal structure of protein maqu_3174 from2 marinobacter aquaeolei, northeast structural genomics consortium3 target mqr197
11	d2pcsa1	 Alignment		99.6	13	Fold: TBP-like Superfamily: Bet v1-like Family: CoxG-like

12	c5woxA	Alignment		99.5	17	PDB header: unknown function Chain: A; PDB Molecule: uncharacterized protein; PDBTitle: nmr solution structure of kany protein (ms6282) using two 4d-spectra
13	c4n0gC	Alignment		99.5	11	PDB header: hydrolase/receptor Chain: C; PDB Molecule: abscisic acid receptor pyl13; PDBTitle: crystal structure of pyl13-pp2ca complex
14	d2ns9a1	Alignment		99.5	16	Fold: TBP-like Superfamily: Bet v1-like Family: CoxG-like
15	c3qszB	Alignment		99.5	15	PDB header: unknown function Chain: B; PDB Molecule: star-related lipid transfer protein; PDBTitle: crystal structure of the star-related lipid transfer protein (fragment2 25-204) from xanthomonas axonopodis at the resolution 2.4a, northeast3 structural genomics consortium target xar342
16	d2b79a1	Alignment		99.4	7	Fold: TBP-like Superfamily: Bet v1-like Family: Smu440-like
17	d3cnwa1	Alignment		99.4	16	Fold: TBP-like Superfamily: Bet v1-like Family: Atu1531-like
18	c3p0IC	Alignment		99.4	11	PDB header: transport protein Chain: C; PDB Molecule: steroidogenic acute regulatory protein, mitochondrial; PDBTitle: human steroidogenic acute regulatory protein
19	d1em2a	Alignment		99.3	12	Fold: TBP-like Superfamily: Bet v1-like Family: STAR domain
20	c2r55B	Alignment		99.3	11	PDB header: transport protein Chain: B; PDB Molecule: star-related lipid transfer protein 5; PDBTitle: human star-related lipid transfer protein 5
21	d1jssa	Alignment	not modelled	99.2	13	Fold: TBP-like Superfamily: Bet v1-like Family: STAR domain
22	c1jssB	Alignment	not modelled	99.2	13	PDB header: lipid binding protein Chain: B; PDB Molecule: cholesterol-regulated start protein 4; PDBTitle: crystal structure of the mus musculus cholesterol-regulated2 start protein 4 (stard4).
23	c5vglA	Alignment	not modelled	99.2	11	PDB header: isomerase Chain: A; PDB Molecule: lachrymatory-factor synthase; PDBTitle: crystal structure of lachrymatory factor synthase from allium cepa
24	c2mouA	Alignment	not modelled	99.2	9	PDB header: transport protein Chain: A; PDB Molecule: star-related lipid transfer protein 6; PDBTitle: solution structure of star-related lipid transfer domain protein 62 (stard6)
25	d1ln1a	Alignment	not modelled	99.1	11	Fold: TBP-like Superfamily: Bet v1-like Family: STAR domain
26	c5e4bB	Alignment	not modelled	99.1	13	PDB header: lyase Chain: B; PDB Molecule: hydroxynitrile lyase; PDBTitle: hydroxynitrile lyase from the fern davallia tyermanii in complex with2 (r)-mandelonitrile / benzaldehyde
27	c2m47A	Alignment	not modelled	99.1	11	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: uncharacterized protein cgl2373; PDBTitle: solution nmr structure of the polyketide_cyc-like protein cgl2372 from2 corynebacterium glutamicum, northeast structural genomics consortium3 target cgr160
28	c3oquB	Alignment	not modelled	99.1	13	PDB header: hormone receptor Chain: B; PDB Molecule: abscisic acid receptor pyl9; PDBTitle: crystal structure of native abscisic acid receptor pyl9 with aba

29	c3qtjA	Alignment	not modelled	99.1	11	PDB header: hormone receptor Chain: A: PDB Molecule: abscisic acid receptor pyl10; PDBTitle: crystal strcuture of aba receptor pyl10 (apo)
30	c4oicA	Alignment	not modelled	99.1	11	PDB header: hormone receptor/hydrolase Chain: A: PDB Molecule: bet v i allergen-like; PDBTitle: crystal structrual of a soluble protein
31	c3p51A	Alignment	not modelled	99.0	12	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: three-dimensional structure of protein q2y8n9_nitmu from nitrosospira2 multiformis, northeast structural genomics consortium target nmr118
32	c2kczA	Alignment	not modelled	99.0	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein dr_a0006; PDBTitle: solution nmr structure of the c-terminal domain of protein2 dr_a0006 from deinococcus radiodurans. northeast3 structural genomics consortium target drr147d
33	c3k90C	Alignment	not modelled	99.0	10	PDB header: hormone receptor, hydrolase regulator Chain: C: PDB Molecule: putative uncharacterized protein; PDBTitle: the abscisic acid receptor pyr1 in complex with abscisic acid
34	c2e3rB	Alignment	not modelled	99.0	11	PDB header: lipid transport Chain: B: PDB Molecule: lipid-transfer protein cert; PDBTitle: crystal structure of cert start domain in complex with c18-2 ceramide (p1)
35	c3fo5A	Alignment	not modelled	98.9	10	PDB header: lipid transport Chain: A: PDB Molecule: thioesterase, adipose associated, isoform bfit2; PDBTitle: human start domain of acyl-coenzyme a thioesterase 11 (acot11)
36	c4r7kA	Alignment	not modelled	98.8	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein jhp0584; PDBTitle: 1.88 angstrom resolution crystal structure of hypothetical protein2 jhp0584 from helicobacter pylori.
37	d1ifva	Alignment	not modelled	98.8	7	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
38	d2qpva1	Alignment	not modelled	98.8	16	Fold: TBP-like Superfamily: Bet v1-like Family: Atu1531-like
39	c2vq5B	Alignment	not modelled	98.7	14	PDB header: lyase Chain: B: PDB Molecule: s-norcochlorine synthase; PDBTitle: x-ray structure of norcochlorine synthase from thalictrum2 flavum in complex with dopamine and hydroxybenzaldehyde
40	d1icxa	Alignment	not modelled	98.7	9	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
41	c3kxkB	Alignment	not modelled	98.7	11	PDB header: hormone receptor Chain: B: PDB Molecule: f3n23.20 protein; PDBTitle: crystal structure of native abscisic acid receptor pyl3
42	d2psoa1	Alignment	not modelled	98.5	14	Fold: TBP-like Superfamily: Bet v1-like Family: STAR domain
43	d2bk0a1	Alignment	not modelled	98.4	11	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
44	d1qmra	Alignment	not modelled	98.4	11	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
45	c4igyB	Alignment	not modelled	98.3	13	PDB header: allergen Chain: B: PDB Molecule: kirola; PDBTitle: crystal structure of kirola (act d 11) - triclinic form
46	c3c0vC	Alignment	not modelled	98.3	8	PDB header: plant protein Chain: C: PDB Molecule: cytokinin-specific binding protein; PDBTitle: crystal structure of cytokinin-specific binding protein in complex2 with cytokinin and ta6br12
47	d1fm4a	Alignment	not modelled	98.3	9	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
48	c5ujvA	Alignment	not modelled	98.3	10	PDB header: abscisic acid binding protein Chain: A: PDB Molecule: pyr1; PDBTitle: crystal structure of fepyr1 in complex with abscisic acid
49	c2k7hA	Alignment	not modelled	98.3	9	PDB header: allergen Chain: A: PDB Molecule: stress-induced protein sam22; PDBTitle: nmr solution structure of soybean allergen gly m 4
50	d1e09a	Alignment	not modelled	98.3	9	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
51	c3rwsA	Alignment	not modelled	98.2	10	PDB header: plant protein Chain: A: PDB Molecule: mntn13 protein; PDBTitle: crystal structure of medicago truncatula nodulin 13 (mntn13) in complex2 with trans-zeatin
52	c3kdiA	Alignment	not modelled	98.2	14	PDB header: hormone receptor Chain: A: PDB Molecule: putative uncharacterized protein at2g26040; PDBTitle: structure of (+)-aba bound pyl2
53	d1xdfa1	Alignment	not modelled	98.2	11	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
54	c6gq9A	Alignment	not modelled	98.1	9	PDB header: allergen Chain: A: PDB Molecule: major allergen cor a 1.0401; PDBTitle: solution structure of the hazel allergen cor a 1.0401

55	c2lf2A	 Alignment	not modelled	98.1	11	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of the ahsa1-like protein chu_1110 from2 cytophaga hutchinsonii, northeast structural genomics consortium3 target chr152
56	d1xuva	 Alignment	not modelled	98.1	10	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
57	c4reiA	 Alignment	not modelled	98.1	10	PDB header: protein binding Chain: A: PDB Molecule: major latex-like protein; PDBTitle: crystal structure of ginseng major latex-like protein 151 (glp) from2 panax ginseng. (crystal-3)
58	c3pu2G	 Alignment	not modelled	98.1	11	PDB header: structure genomics, unknown function Chain: G: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the q3j4m4_rhos4 protein from rhodobacter2 sphaeroides. northeast structural genomics consortium target rhr263.
59	c2lghA	 Alignment	not modelled	98.0	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of the ahsa1-like protein aha_2358 from2 aeromonas hydrophila refined with nh rdcs, northeast structural3 genomics consortium target ahr99.
60	c2l9pA	 Alignment	not modelled	98.0	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of q5hl9 from staphylococcus epidermidis,2 northeast structural genomics consortium target ser147
61	d1z94a1	 Alignment	not modelled	98.0	19	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
62	c3rd6A	 Alignment	not modelled	98.0	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: mll3558 protein; PDBTitle: crystal structure of mll3558 protein from rhizobium loti. northeast2 structural genomics consortium target id mlr403
63	d1txca1	 Alignment	not modelled	98.0	8	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
64	c2lcgA	 Alignment	not modelled	98.0	12	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of protein rmet_5065 from ralstonia2 metallidurans, northeast structural genomics consortium target crr115
65	c2l8oA	 Alignment	not modelled	97.9	9	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution structure of chr148 from cytophaga hutchinsonii, northeast2 structural genomics consortium target chr148
66	c3uidA	 Alignment	not modelled	97.9	12	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of protein ms6760 from mycobacterium smegmatis
67	d1xfsa	 Alignment	not modelled	97.8	7	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
68	c3ie5A	 Alignment	not modelled	97.7	11	PDB header: plant protein, biosynthetic protein Chain: A: PDB Molecule: phenolic oxidative coupling protein hyp-1; PDBTitle: crystal structure of hyp-1 protein from hypericum perforatum (st2 john's wort) involved in hypericin biosynthesis
69	c2i9yA	 Alignment	not modelled	97.7	12	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: major latex protein-like protein 28 or mlp-like PDBTitle: solution structure of arabidopsis thaliana protein2 at1g70830, a member of the major latex protein family
70	c2leqA	 Alignment	not modelled	97.7	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: chemical shift assignment and solution structure of chr145 from2 cytophaga hutchinsonii, northeast structural genomics consortium3 target chr145
71	c3otlA	 Alignment	not modelled	97.7	11	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: three-dimensional structure of the putative uncharacterized protein2 from rhizobium leguminosarum at the resolution 1.9a, northeast3 structural genomics consortium target rlr261
72	c2psoc	 Alignment	not modelled	97.7	12	PDB header: structural genomics, unknown function Chain: C: PDB Molecule: star-related lipid transfer protein 13; PDBTitle: human stard13 (dlc2) lipid transfer and protein localization domain
73	c3q64A	 Alignment	not modelled	97.6	12	PDB header: structure genomics, unknown function Chain: A: PDB Molecule: mll3774 protein; PDBTitle: x-ray crystal structure of protein mll3774 from mesorhizobium loti,2 northeast structural genomics consortium target mlr405.
74	c3oh8A	 Alignment	not modelled	97.5	9	PDB header: isomerase Chain: A: PDB Molecule: nucleoside-diphosphate sugar epimerase (sula family); PDBTitle: crystal structure of the nucleoside-diphosphate sugar epimerase from2 corynebacterium glutamicum. northeast structural genomics consortium3 target cgr91
75	c2ldkA	 Alignment	not modelled	97.4	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of protein aaur_3427 from arthrobacter2 aureus, northeast structural genomics consortium target aar96
76	d1xn6a	 Alignment	not modelled	97.1	14	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
77	c3q63F	 Alignment	not modelled	96.5	11	PDB header: structural genomics, unknown function Chain: F: PDB Molecule: mll2253 protein; PDBTitle: x-ray crystal structure of protein mll2253 from mesorhizobium loti,2 northeast structural genomics consortium

						target mlr404.
78	c2m89A_	Alignment	not modelled	95.9	12	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: aha1 domain protein; PDBTitle: solution structure of the aha1 dimer from colwellia psychrerythraea
79	d1xn5a_	Alignment	not modelled	95.6	15	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
80	d2k5ga1	Alignment	not modelled	95.5	15	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
81	c2kewA_	Alignment	not modelled	94.6	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein yndb; PDBTitle: the solution structure of bacillus subtilis sr211 start domain by nmr2 spectroscopy
82	d2il5a1	Alignment	not modelled	94.1	13	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
83	c3q6aH_	Alignment	not modelled	93.6	6	PDB header: structure genomics, unknown function Chain: H: PDB Molecule: uncharacterized protein; PDBTitle: x-ray crystal structure of the protein ssp2350 from staphylococcus2 saprophyticus, northeast structural genomics consortium target syr116
84	d1zxfa1	Alignment	not modelled	93.2	13	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
85	d3elia1	Alignment	not modelled	92.9	12	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
86	c2lakA_	Alignment	not modelled	91.7	14	PDB header: structure genomics, unknown function Chain: A: PDB Molecule: ahsa1-like protein rhe_ch02687; PDBTitle: solution nmr structure of the ahsa1-like protein rhe_ch02687 (1-152)2 from rhizobium etli, northeast structural genomics consortium target3 rer242
87	c2nn5A_	Alignment	not modelled	90.5	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein ef_2215; PDBTitle: structure of conserved protein of unknown function ef2215 from2 enterococcus faecalis
88	c2luzA_	Alignment	not modelled	90.3	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: calu16; PDBTitle: solution nmr structure of calu16 from micromonospora echinospora,2 northeast structural genomics consortium (nesg) target mir12
89	d2nn5a1	Alignment	not modelled	90.1	9	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
90	d1vjha_	Alignment	not modelled	78.8	19	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
91	d2ffsa1	Alignment	not modelled	74.8	12	Fold: TBP-like Superfamily: Bet v1-like Family: PA1206-like
92	c5z4eA_	Alignment	not modelled	66.4	16	PDB header: biosynthetic protein Chain: A: PDB Molecule: txno9; PDBTitle: an anthrahydroquino-gama-pyrone synthase txn09
93	d1x53a1	Alignment	not modelled	62.1	13	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
94	c6gn5A_	Alignment	not modelled	39.4	14	PDB header: lipid transport Chain: A: PDB Molecule: gram domain-containing protein 1c; PDBTitle: crystal structure of human gramd1c start domain
95	c5ys0A_	Alignment	not modelled	32.3	9	PDB header: transport protein Chain: A: PDB Molecule: membrane-anchored lipid-binding protein ysp2; PDBTitle: crystal structure of the second starkin domain of lam2 in complex with2 ergosterol
96	c5yqiB_	Alignment	not modelled	22.8	11	PDB header: transport protein Chain: B: PDB Molecule: membrane-anchored lipid-binding protein lam4; PDBTitle: crystal structure of the first starkin domain of lam4
97	c5yqiA_	Alignment	not modelled	20.9	5	PDB header: transport protein Chain: A: PDB Molecule: membrane-anchored lipid-binding protein ysp2; PDBTitle: crystal structure of the first starkin domain of lam2
98	c6gqfC_	Alignment	not modelled	19.9	12	PDB header: lipid transport Chain: C: PDB Molecule: gram domain-containing protein 1a; PDBTitle: the structure of mouse astera (gramd1a) with 25-hydroxy cholesterol
99	c4je3B_	Alignment	not modelled	11.9	18	PDB header: cell cycle Chain: B: PDB Molecule: central kinetochore subunit chl4; PDBTitle: an iml3-chl4 heterodimer links the core centromere to factors required2 for accurate chromosome segregation