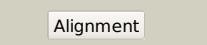
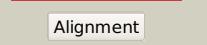
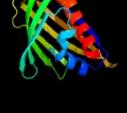
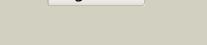
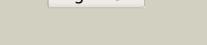
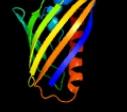


Phyre²

Email	mdejesus@rockefeller.edu
Description	RVBD0857_(-)_953260_953733
Date	Fri Jul 26 01:50:44 BST 2019
Unique Job ID	b5b295eaaa3396400

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5z8oA_			99.9	20	PDB header: unknown function Chain: A: PDB Molecule: cyclase/dehydrase; PDBTitle: structural of start superfamily protein msmeg_0129 from mycobacterium2 smegmatis
2	c3tfzB_			99.9	16	PDB header: biosynthetic protein Chain: B: PDB Molecule: cyclase; PDBTitle: crystal structure of zhui aromatase/cyclase from streptomycetes sp.2 r1128
3	d2rera1			99.9	20	Fold: TBP-like Superfamily: Bet v1-like Family: oligoketide cyclase/dehydrase-like
4	c2kf2A_			99.9	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	d2d4ra1			99.9	20	Fold: TBP-like Superfamily: Bet v1-like Family: oligoketide cyclase/dehydrase-like
6	d2pcsa1			99.9	9	Fold: TBP-like Superfamily: Bet v1-like Family: CoxG-like
7	c2le1A_			99.9	11	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
8	d2ns9a1			99.9	11	Fold: TBP-like Superfamily: Bet v1-like Family: CoxG-like
9	c4xrwA_			99.9	13	PDB header: lyase Chain: A: PDB Molecule: bexl; PDBTitle: crystal structure of the di-domain aro/cyc bexl from the be-7585a2 biosynthetic pathway
10	c3p9vA_			99.9	17	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	d1t17a_			99.9	12	Fold: TBP-like Superfamily: Bet v1-like Family: oligoketide cyclase/dehydrase-like

12	c5woxA			99.8	14	PDB header: unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: nmr solution structure of kany protein (ms6282) using two 4d-spectra
13	d2b79a1			99.8	8	Fold: TBP-like Superfamily: Bet v1-like Family: Smu440-like
14	c4n0gC			99.8	15	PDB header: hydrolase/receptor Chain: C: PDB Molecule: abscisic acid receptor pyl13; PDBTitle: crystal structure of pyl13-pp2ca complex
15	c4xrtB			99.8	9	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
16	d3cnwa1			99.8	10	Fold: TBP-like Superfamily: Bet v1-like Family: Atu1531-like
17	c2m47A			99.8	9	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
18	c5vgIA			99.7	10	PDB header: isomerase Chain: A: PDB Molecule: lachrymatory-factor synthase; PDBTitle: crystal structure of lachrymatory factor synthase from allium cepa
19	c3p51A			99.7	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: three-dimensional structure of protein q2y8n9_nitm from nitrosospira2 multiformis, northeast structural genomics consortium target nmr118
20	c5e4bB			99.7	12	PDB header: lyase Chain: B: PDB Molecule: hydroxynitrile lyase; PDBTitle: hydroxynitrile lyase from the fern davallia tyermanii in complex with2 (r)-mandelonitrile / benzaldehyde
21	c3qtjA		not modelled	99.7	14	PDB header: hormone receptor Chain: A: PDB Molecule: abscisic acid receptor pyl10; PDBTitle: crystal strucuture of aba receptor pyl10 (apo)
22	c4oicA		not modelled	99.7	7	PDB header: hormone receptor/hydrolase Chain: A: PDB Molecule: bet v i allergen-like; PDBTitle: crystal structural of a soluble protein
23	c3oquB		not modelled	99.6	14	PDB header: hormone receptor Chain: B: PDB Molecule: abscisic acid receptor pyl9; PDBTitle: crystal structure of native abscisic acid receptor pyl9 with aba
24	c2kczA		not modelled	99.6	17	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
25	c3qszB		not modelled	99.6	14	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
26	c3k90C		not modelled	99.6	14	PDB header: hormone receptor, hydrolase regulator Chain: C: PDB Molecule: putative uncharacterized protein; PDBTitle: the abscisic acid receptor pyr1 in complex with abscisic acid
27	c2vg5B		not modelled	99.5	10	PDB header: lyase Chain: B: PDB Molecule: s-norcooclaurine synthase; PDBTitle: x-ray structure of norcooclaurine synthase from thalictrum2 flavum in complex with dopamine and hydroxybenzaldehyde
28	c4r7vA		not modelled	99.5	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein jhp0584;

28	c4f1ra	Alignment	not modelled	99.5	15	PDBTitle: 1.88 angstrom resolution crystal structure of hypothetical protein2 jhp0584 from helicobacter pylori.
29	c3klxB	Alignment	not modelled	99.5	9	PDB header: hormone receptor Chain: B: PDB Molecule: f3n23.20 protein; PDBTitle: crystal structure of native abscisic acid receptor pyl3
30	d1ifva	Alignment	not modelled	99.5	12	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
31	c2legA	Alignment	not modelled	99.5	17	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
32	c2r55B	Alignment	not modelled	99.5	13	PDB header: transport protein Chain: B: PDB Molecule: star-related lipid transfer protein 5; PDBTitle: human star-related lipid transfer protein 5
33	c3p0IC	Alignment	not modelled	99.5	18	PDB header: transport protein Chain: C: PDB Molecule: steroidogenic acute regulatory protein, mitochondrial; PDBTitle: human steroidogenic acute regulatory protein
34	d1xuva	Alignment	not modelled	99.5	10	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
35	c5ujvA	Alignment	not modelled	99.4	8	PDB header: abscisic acid binding protein Chain: A: PDB Molecule: pyr1; PDBTitle: crystal structure of fepy1 in complex with abscisic acid
36	c3kdiA	Alignment	not modelled	99.4	13	PDB header: hormone receptor Chain: A: PDB Molecule: putative uncharacterized protein at2g26040; PDBTitle: structure of (+)-aba bound pyl2
37	d2qpva1	Alignment	not modelled	99.4	16	Fold: TBP-like Superfamily: Bet v1-like Family: Atu1531-like
38	c2lghA	Alignment	not modelled	99.4	19	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 rdcns, northeast structural3 genomics consortium target ahr99.
39	c3c0vC	Alignment	not modelled	99.4	9	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
40	c2lf2A	Alignment	not modelled	99.4	10	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
41	d1icxa	Alignment	not modelled	99.4	12	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
42	c2l9pA	Alignment	not modelled	99.4	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
43	c2lcgA	Alignment	not modelled	99.4	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of protein rmrt_5065 from ralstonia2 metallidurans, northeast structural genomics consortium target crr115
44	c4igyb	Alignment	not modelled	99.4	11	PDB header: allergen Chain: B: PDB Molecule: kirola; PDBTitle: crystal structure of kirola (act d 11) - triclinic form
45	d1em2a	Alignment	not modelled	99.4	11	Fold: TBP-like Superfamily: Bet v1-like Family: STAR domain
46	c2mouA	Alignment	not modelled	99.4	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)
47	d1xfsa	Alignment	not modelled	99.4	9	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
48	c2l8oA	Alignment	not modelled	99.4	10	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
49	d2bk0a1	Alignment	not modelled	99.3	11	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
50	d1jssa	Alignment	not modelled	99.3	8	Fold: TBP-like Superfamily: Bet v1-like Family: STAR domain
51	c1jssB	Alignment	not modelled	99.3	8	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).
52	c4rejA	Alignment	not modelled	99.3	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)
53	c3pu2G	Alignment	not modelled	99.3	14	PDB header: structure genomics, unknown function Chain: G: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the q3j4m4_rhos4 protein from rhodobacter2 sphaerooides. northeast structural genomics

						consortium target rhr263.
54	d1ln1a	Alignment	not modelled	99.3	13	Fold: TBP-like Superfamily: Bet v1-like Family: STAR domain
55	c3uidA	Alignment	not modelled	99.3	15	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of protein ms6760 from mycobacterium smegmatis
56	c2ldkA	Alignment	not modelled	99.3	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of protein aaur_3427 from arthrobacter2 aurescens, northeast structural genomics consortium target aar96
57	d1qmra	Alignment	not modelled	99.3	9	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
58	d1e09a	Alignment	not modelled	99.3	14	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
59	c3otIA	Alignment	not modelled	99.3	13	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
60	c3rd6A	Alignment	not modelled	99.2	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
61	c2k7hA	Alignment	not modelled	99.2	14	PDB header: allergen Chain: A: PDB Molecule: stress-induced protein sam22; PDBTitle: nmr solution structure of soybean allergen gly m 4
62	d1fm4a	Alignment	not modelled	99.2	10	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
63	c3q64A	Alignment	not modelled	99.2	17	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.
64	c6gg9A	Alignment	not modelled	99.2	10	PDB header: allergen Chain: A: PDB Molecule: major allergen cor a 1.0401; PDBTitle: solution structure of the hazel allergen cor a 1.0401
65	c2e3rB	Alignment	not modelled	99.2	14	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)
66	d1xdfa1	Alignment	not modelled	99.2	16	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
67	d1z94a1	Alignment	not modelled	99.2	13	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
68	c2m89A	Alignment	not modelled	99.2	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: aha1 domain protein; PDBTitle: solution structure of the aha1 dimer from colwellia psychrerythraea
69	c3rwsA	Alignment	not modelled	99.2	10	PDB header: plant protein Chain: A: PDB Molecule: mtn13 protein; PDBTitle: crystal structure of medicago truncatula nodulin 13 (mtn13) in complex2 with trans-zeatin
70	c2i9yA	Alignment	not modelled	99.2	10	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
71	c3fo5A	Alignment	not modelled	99.1	14	PDB header: lipid transport Chain: A: PDB Molecule: thioesterase, adipose associated, isoform bf1t2; PDBTitle: human start domain of acyl-coenzyme a thioesterase 11 (acot11)
72	c3q6aH	Alignment	not modelled	99.1	10	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
73	c3q63F	Alignment	not modelled	99.1	16	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.
74	d1xn6a	Alignment	not modelled	99.1	15	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
75	c3ie5A	Alignment	not modelled	99.1	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
76	d1txca1	Alignment	not modelled	99.0	10	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
77	d2il5a1	Alignment	not modelled	99.0	13	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
						Fold: TBP-like

78	d1xn5a_	Alignment	not modelled	99.0	15	Superfamily: Bet v1-like Family: AHSA1 domain
79	c2nn5A_	Alignment	not modelled	99.0	14	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
80	c2lakA_	Alignment	not modelled	99.0	16	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
81	d2k5ga1	Alignment	not modelled	98.9	16	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
82	d2nn5a1	Alignment	not modelled	98.9	13	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
83	d3elia1	Alignment	not modelled	98.8	14	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
84	c2kewA_	Alignment	not modelled	98.8	14	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
85	c3oh8A_	Alignment	not modelled	98.8	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
86	d1zxfa1	Alignment	not modelled	98.8	14	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
87	d2psoa1	Alignment	not modelled	98.8	15	Fold: TBP-like Superfamily: Bet v1-like Family: STAR domain
88	c2luzA_	Alignment	not modelled	98.6	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	d1x53a1	Alignment	not modelled	98.5	10	Fold: TBP-like Superfamily: Bet v1-like Family: AHSA1 domain
90	c3ni8A_	Alignment	not modelled	98.4	13	PDB header: unknown function Chain: A: PDB Molecule: pfc0360w protein; PDBTitle: crystal structure of pfc0360w, an hsp90 activator from plasmodium2 falciparum
91	c5z4eA_	Alignment	not modelled	98.3	14	PDB header: biosynthetic protein Chain: A: PDB Molecule: txn09; PDBTitle: an anthrahydroquinone-gama-pyrone synthase txn09
92	c2psoC_	Alignment	not modelled	98.0	14	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
93	d1vjha_	Alignment	not modelled	96.8	13	Fold: TBP-like Superfamily: Bet v1-like Family: Pathogenesis-related protein 10 (PR10)-like
94	c5ys0A_	Alignment	not modelled	94.1	12	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
95	c6ggfC_	Alignment	not modelled	94.0	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
96	c5yqiA_	Alignment	not modelled	93.4	12	PDB header: transport protein Chain: A: PDB Molecule: membrane-anchored lipid-binding protein ysp2; PDBTitle: crystal structure of the first starkin domain of lam2
97	c2ejxA_	Alignment	not modelled	92.4	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: stk_08120; PDBTitle: crystal structure of the hypothetical protein stk_08120 from2 sulfolobus tokodaii
98	c5yqjB_	Alignment	not modelled	88.6	19	PDB header: transport protein Chain: B: PDB Molecule: membrane-anchored lipid-binding protein lam4; PDBTitle: crystal structure of the first starkin domain of lam4
99	d2ffsa1	Alignment	not modelled	87.8	12	Fold: TBP-like Superfamily: Bet v1-like Family: PA1206-like
100	c6bymA_	Alignment	not modelled	82.5	14	PDB header: lipid transport Chain: A: PDB Molecule: sterol-binding protein; PDBTitle: crystal structure of the sterol-bound second start domain of yeast2 lam4
101	c6gn5A_	Alignment	not modelled	60.6	11	PDB header: lipid transport Chain: A: PDB Molecule: gram domain-containing protein 1c; PDBTitle: crystal structure of human grAMD1c start domain
102	c3qrzC_	Alignment	not modelled	39.7	35	PDB header: hormone receptor Chain: C: PDB Molecule: abscisic acid receptor pyl5; PDBTitle: crystal structure of native abscisic acid receptor pyl5 at 2.62 angstrom