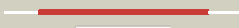
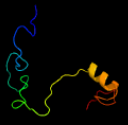

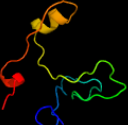
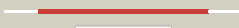
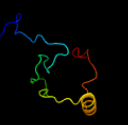





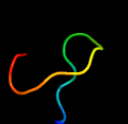





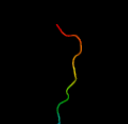




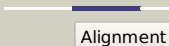

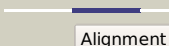





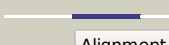









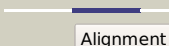



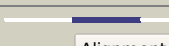

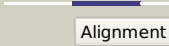
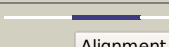


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3745c_(-)_4196064_4196276
Date	Fri Aug 9 18:20:44 BST 2019
Unique Job ID	059bce003f7a93dc

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2lq3A_	 Alignment		100.0	50	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of syc0711_d from synechococcus sp., northeast2 structural genomics consortium (nesg) target snr212
2	c3ushB_	 Alignment		100.0	53	PDB header: structural genomics, unknown function Chain: B; PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the q2s0r5 protein from salinibacter ruber,2 northeast structural genomics consortium target srr207
3	c4iohA_	 Alignment		100.0	54	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: tll1086 protein; PDBTitle: crystal structure of the tll1086 protein from thermosynechococcus2 elongatus, northeast structural genomics consortium target ter258
4	c4qsgA_	 Alignment		13.4	10	PDB header: structural protein Chain: A; PDB Molecule: gas vesicle protein; PDBTitle: crystal structure of gas vesicle protein gvpf from microcystis2 aeruginosa
5	d1u5tb1	 Alignment		13.1	14	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Vacuolar sorting protein domain
6	c2l1qA_	 Alignment		12.4	20	PDB header: antimicrobial protein Chain: A; PDB Molecule: liver-expressed antimicrobial peptide 2; PDBTitle: solution structure of human liver expressed antimicrobial peptide 2
7	c5kvmA_	 Alignment		9.8	32	PDB header: cell adhesion Chain: A; PDB Molecule: adhesion g-protein coupled receptor g1; PDBTitle: extracellular region of mouse gpr56/adgrg1 in complex with fn32 monobody
8	c5znuA_	 Alignment		9.8	43	PDB header: toxin Chain: A; PDB Molecule: omega-conotoxin-like bu8; PDBTitle: structure of omega conotoxin bu8
9	c5lskP_	 Alignment		9.2	27	PDB header: cell cycle Chain: P; PDB Molecule: centromere protein c; PDBTitle: crystal structure of the human kinetochore mis12-cen-p complex
10	c4a54B_	 Alignment		9.1	24	PDB header: rna binding protein/hydrolase Chain: B; PDB Molecule: mrna decapping complex subunit 2; PDBTitle: structural basis of the dcp1:dcp2 mrna decapping complex activation2 by edc3 and scd6
11	c4e86L_	 Alignment		8.7	38	PDB header: antimicrobial protein Chain: L; PDB Molecule: defensin-5; PDBTitle: crystal structure of human alpha-defensin 5, hd5 (leu29aba mutant)

12	c4e86H_	 Alignment		8.7	38	PDB header: antimicrobial protein Chain: H: PDB Molecule: defensin-5; PDBTitle: crystal structure of human alpha-defensin 5, hd5 (leu29aba mutant)
13	c4e86D_	 Alignment		8.7	38	PDB header: antimicrobial protein Chain: D: PDB Molecule: defensin-5; PDBTitle: crystal structure of human alpha-defensin 5, hd5 (leu29aba mutant)
14	c3i5wA_	 Alignment		8.5	38	PDB header: antimicrobial protein Chain: A: PDB Molecule: defensin-5; PDBTitle: crystal structure of human alpha-defensin 5 (mutant r13h)
15	c3i5wB_	 Alignment		8.5	38	PDB header: antimicrobial protein Chain: B: PDB Molecule: defensin-5; PDBTitle: crystal structure of human alpha-defensin 5 (mutant r13h)
16	c5cujC_	 Alignment		8.4	38	PDB header: antimicrobial protein Chain: C: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 y27a mutant crystal form 2.
17	c5cumA_	 Alignment		8.4	38	PDB header: antimicrobial protein Chain: A: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 y27a mutant crystal form 1.
18	c5cujF_	 Alignment		8.4	38	PDB header: antimicrobial protein Chain: F: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 y27a mutant crystal form 2.
19	c5cujE_	 Alignment		8.4	38	PDB header: antimicrobial protein Chain: E: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 y27a mutant crystal form 2.
20	c5cujD_	 Alignment		8.4	38	PDB header: antimicrobial protein Chain: D: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 y27a mutant crystal form 2.
21	c5cumC_	 Alignment	not modelled	8.4	38	PDB header: antimicrobial protein Chain: C: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 y27a mutant crystal form 1.
22	c5cujB_	 Alignment	not modelled	8.4	38	PDB header: antimicrobial protein Chain: B: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 y27a mutant crystal form 2.
23	c5cumB_	 Alignment	not modelled	8.4	38	PDB header: antimicrobial protein Chain: B: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 y27a mutant crystal form 1.
24	c5cujA_	 Alignment	not modelled	8.4	38	PDB header: antimicrobial protein Chain: A: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 y27a mutant crystal form 2.
25	c4e86F_	 Alignment	not modelled	8.4	38	PDB header: antimicrobial protein Chain: F: PDB Molecule: defensin-5; PDBTitle: crystal structure of human alpha-defensin 5, hd5 (leu29aba mutant)
26	c4e86G_	 Alignment	not modelled	8.4	38	PDB header: antimicrobial protein Chain: G: PDB Molecule: defensin-5; PDBTitle: crystal structure of human alpha-defensin 5, hd5 (leu29aba mutant)
27	c4e83A_	 Alignment	not modelled	8.4	38	PDB header: antimicrobial protein Chain: A: PDB Molecule: defensin-5; PDBTitle: crystal structure of human alpha-defensin 5, hd5 (leu29nle mutant)
28	c4e86A_	 Alignment	not modelled	8.4	38	PDB header: antimicrobial protein Chain: A: PDB Molecule: defensin-5; PDBTitle: crystal structure of human alpha-defensin 5, hd5 (leu29aba mutant)

29	c4e86C	Alignment	not modelled	8.4	38	PDB header: antimicrobial protein Chain: C: PDB Molecule: defensin-5; PDBTitle: crystal structure of human alpha-defensin 5, hd5 (leu29aba mutant)
30	c4e83B	Alignment	not modelled	8.4	38	PDB header: antimicrobial protein Chain: B: PDB Molecule: defensin-5; PDBTitle: crystal structure of human alpha-defensin 5, hd5 (leu29nle mutant)
31	c4e86B	Alignment	not modelled	8.4	38	PDB header: antimicrobial protein Chain: B: PDB Molecule: defensin-5; PDBTitle: crystal structure of human alpha-defensin 5, hd5 (leu29aba mutant)
32	c2mitA	Alignment	not modelled	8.4	38	PDB header: antimicrobial protein Chain: A: PDB Molecule: defensin-5; PDBTitle: solution structure of oxidized dimeric form of human defensin 5
33	c2mitB	Alignment	not modelled	8.4	38	PDB header: antimicrobial protein Chain: B: PDB Molecule: defensin-5; PDBTitle: solution structure of oxidized dimeric form of human defensin 5
34	c5cuiE	Alignment	not modelled	8.3	38	PDB header: antimicrobial protein Chain: E: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 r28a mutant.
35	c5cuiD	Alignment	not modelled	8.3	38	PDB header: antimicrobial protein Chain: D: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 r28a mutant.
36	c5cuiC	Alignment	not modelled	8.3	38	PDB header: antimicrobial protein Chain: C: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 r28a mutant.
37	c5cuiA	Alignment	not modelled	8.3	38	PDB header: antimicrobial protein Chain: A: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 r28a mutant.
38	c5cuiF	Alignment	not modelled	8.3	38	PDB header: antimicrobial protein Chain: F: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 r28a mutant.
39	c5cuiB	Alignment	not modelled	8.3	38	PDB header: antimicrobial protein Chain: B: PDB Molecule: defensin-5; PDBTitle: crystal structure of human defensin-5 r28a mutant.
40	c4e86E	Alignment	not modelled	8.2	38	PDB header: antimicrobial protein Chain: E: PDB Molecule: defensin-5; PDBTitle: crystal structure of human alpha-defensin 5, hd5 (leu29aba mutant)
41	c1zmpB	Alignment	not modelled	8.2	38	PDB header: antimicrobial protein Chain: B: PDB Molecule: defensin 5; PDBTitle: crystal structure of human defensin-5
42	c2lxzA	Alignment	not modelled	8.2	38	PDB header: antimicrobial protein Chain: A: PDB Molecule: defensin-5; PDBTitle: solution structure of the antimicrobial peptide human defensin 5
43	c1zmpA	Alignment	not modelled	8.2	38	PDB header: antimicrobial protein Chain: A: PDB Molecule: defensin 5; PDBTitle: crystal structure of human defensin-5
44	c1zmpC	Alignment	not modelled	8.2	38	PDB header: antimicrobial protein Chain: C: PDB Molecule: defensin 5; PDBTitle: crystal structure of human defensin-5
45	c1fygA	Alignment	not modelled	8.0	28	PDB header: toxin Chain: A: PDB Molecule: omega conotoxin so3; PDBTitle: solution structure of omega conotoxin so3 determined by 1h-2 nmr
46	c1apfA	Alignment	not modelled	7.8	67	PDB header: cardiac stimulant Chain: A: PDB Molecule: anthopleurin-b; PDBTitle: anthopleurin-b, nmr, 20 structures
47	d1lrva	Alignment	not modelled	7.2	10	Fold: alpha-alpha superhelix Superfamily: ARM repeat Family: Leucine-rich repeat variant
48	c6g7gA	Alignment	not modelled	7.0	21	PDB header: plant protein Chain: A: PDB Molecule: s-protein homolog 15; PDBTitle: structure of sph (self-incompatibility protein homologue) proteins, a2 widespread family of small, highly stable, secreted proteins from 3 plants
49	c1z6fA	Alignment	not modelled	6.6	16	PDB header: hydrolase Chain: A: PDB Molecule: penicillin-binding protein 5; PDBTitle: crystal structure of penicillin-binding protein 5 from e. coli in 2 complex with a boronic acid inhibitor
50	c5fsrB	Alignment	not modelled	6.5	24	PDB header: hydrolase Chain: B: PDB Molecule: d-alanyl-d-alanine carboxypeptidase dacd; PDBTitle: crystal structure of penicillin binding protein 6b from 2 escherichia coli
51	c4gvbB	Alignment	not modelled	6.0	38	PDB header: toxin Chain: B: PDB Molecule: kp6 killer toxin subunit beta; PDBTitle: crystal structure of the virally encoded antifungal protein, kp6,2 heterodimer
52	c2dj9A	Alignment	not modelled	6.0	73	PDB header: cytokine Chain: A: PDB Molecule: growth-blocking peptide; PDBTitle: solution structure of growth-blocking peptide of the 2 cabbage armyworm, mamestra brassicae
53	c2djcA	Alignment	not modelled	5.8	55	PDB header: cytokine Chain: A: PDB Molecule: growth-blocking peptide; PDBTitle: solution structure of growth-blocking peptide of the 2 tobacco cutworm, spodoptera litura
54	c4j37A	Alignment	not modelled	5.7	20	PDB header: rna binding protein Chain: A: PDB Molecule: trna pseudouridine synthase a, mitochondrial; PDBTitle: crystal structure of the catalytic domain of human pus1 PDB header: nuclear protein

55	c2v1nA_	Alignment	not modelled	5.4	23	Chain: A: PDB Molecule: protein kin homolog; PDBTitle: solution structure of the region 51-160 of human kin172 reveals a winged helix fold
56	c2n5qA_	Alignment	not modelled	5.3	71	PDB header: unknown function Chain: A: PDB Molecule: cysteine-rich peptide js1; PDBTitle: solution structure of cystein-rich peptide js1 from jasminum sambac
57	c2djyB_	Alignment	not modelled	5.2	38	PDB header: ligase/signaling protein Chain: B: PDB Molecule: mothers against decapentaplegic homolog 7; PDBTitle: solution structure of smurf2 ww3 domain-smad7 py peptide2 complex
58	c2kxqB_	Alignment	not modelled	5.2	38	PDB header: protein binding Chain: B: PDB Molecule: smad7 py motif containing peptide; PDBTitle: solution structure of smurf2 ww2 and ww3 bound to smad7 py motif2 containing peptide