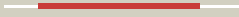






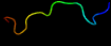





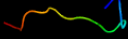








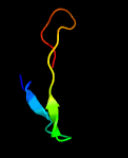
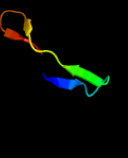
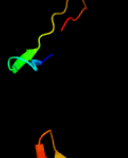

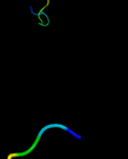


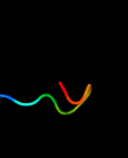
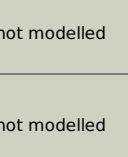


# Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0110 (-) _133018_133767
Date	Tue Jul 23 14:50:15 BST 2019
Unique Job ID	9890cda279563a5c

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">d3b45a1</a>	 Alignment		100.0	20	<b>Fold:</b> Rhomboid-like <b>Superfamily:</b> Rhomboid-like <b>Family:</b> Rhomboid-like
2	<a href="#">d2nr9a1</a>	 Alignment		100.0	16	<b>Fold:</b> Rhomboid-like <b>Superfamily:</b> Rhomboid-like <b>Family:</b> Rhomboid-like
3	<a href="#">d2ct1a1</a>	 Alignment		40.1	22	<b>Fold:</b> beta-beta-alpha zinc fingers <b>Superfamily:</b> beta-beta-alpha zinc fingers <b>Family:</b> Classic zinc finger, C2H2
4	<a href="#">d2aqaal</a>	 Alignment		38.7	12	<b>Fold:</b> Rubredoxin-like <b>Superfamily:</b> Nop10-like SnoRNP <b>Family:</b> Nucleolar RNA-binding protein Nop10-like
5	<a href="#">c2crcA</a>	 Alignment		30.9	40	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> ubiquitin conjugating enzyme 7 interacting <b>PDBTitle:</b> solution structure of the zf-ranbp domain of the protein2 hbv associated factor
6	<a href="#">d2apob1</a>	 Alignment		29.4	13	<b>Fold:</b> Rubredoxin-like <b>Superfamily:</b> Nop10-like SnoRNP <b>Family:</b> Nucleolar RNA-binding protein Nop10-like
7	<a href="#">d2ey4e1</a>	 Alignment		26.7	20	<b>Fold:</b> Rubredoxin-like <b>Superfamily:</b> Nop10-like SnoRNP <b>Family:</b> Nucleolar RNA-binding protein Nop10-like
8	<a href="#">c2odxA</a>	 Alignment		20.4	38	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> cytochrome c oxidase polypeptide iv; <b>PDBTitle:</b> solution structure of zn(ii)cox4
9	<a href="#">c2m0eA</a>	 Alignment		19.7	43	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> zinc finger and btb domain-containing protein 17; <b>PDBTitle:</b> solution structure of miz-1 zinc finger 6
10	<a href="#">c2ysoA</a>	 Alignment		18.7	63	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> zinc finger protein 95 homolog; <b>PDBTitle:</b> solution structure of the c2h2 type zinc finger (region 656-2 688) of human zinc finger protein 95 homolog
11	<a href="#">c4bs9A</a>	 Alignment		17.7	25	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> trud; <b>PDBTitle:</b> structure of the heterocyclase trud

12	<a href="#">d1l1ta3</a>	Alignment		17.2	24	<b>Fold:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Superfamily:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Family:</b> C-terminal, Zn-finger domain of MutM-like DNA repair proteins
13	<a href="#">d1k3xa3</a>	Alignment		16.9	17	<b>Fold:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Superfamily:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Family:</b> C-terminal, Zn-finger domain of MutM-like DNA repair proteins
14	<a href="#">d1ee8a3</a>	Alignment		16.6	30	<b>Fold:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Superfamily:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Family:</b> C-terminal, Zn-finger domain of MutM-like DNA repair proteins
15	<a href="#">d1tdza3</a>	Alignment		16.2	22	<b>Fold:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Superfamily:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Family:</b> C-terminal, Zn-finger domain of MutM-like DNA repair proteins
16	<a href="#">d1r2za3</a>	Alignment		15.4	22	<b>Fold:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Superfamily:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Family:</b> C-terminal, Zn-finger domain of MutM-like DNA repair proteins
17	<a href="#">c4txdA</a>	Alignment		14.1	33	<b>PDB header:</b> rna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> csc2; <b>PDBTitle:</b> crystal structure of thermofilum pendens csc2
18	<a href="#">d1gnfa</a>	Alignment		14.0	20	<b>Fold:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Superfamily:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Family:</b> Erythroid transcription factor GATA-1
19	<a href="#">c2x5cB</a>	Alignment		13.8	40	<b>PDB header:</b> viral protein <b>Chain:</b> B: <b>PDB Molecule:</b> hypothetical protein orf131; <b>PDBTitle:</b> crystal structure of hypothetical protein orf131 from pyrobaculum2 spherical virus
20	<a href="#">c5mg5W</a>	Alignment		13.8	56	<b>PDB header:</b> transferase <b>Chain:</b> W: <b>PDB Molecule:</b> 2,4-diacetylphloroglucinol biosynthesis protein; <b>PDBTitle:</b> a multi-component acyltransferase phlabc from pseudomonas protegens2 soaked with the monoacetylphloroglucinol (magp)
21	<a href="#">d1k82a3</a>	Alignment	not modelled	13.4	24	<b>Fold:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Superfamily:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Family:</b> C-terminal, Zn-finger domain of MutM-like DNA repair proteins
22	<a href="#">c6et9H</a>	Alignment	not modelled	11.0	30	<b>PDB header:</b> transferase <b>Chain:</b> H: <b>PDB Molecule:</b> pfam duf35; <b>PDBTitle:</b> structure of the acetoacetyl-coa-thiolase/hmg-coa-synthase complex2 from methanothermococcus thermolithotrophicus at 2.75 a
23	<a href="#">d2gnra1</a>	Alignment	not modelled	10.8	40	<b>Fold:</b> OB-fold <b>Superfamily:</b> Nucleic acid-binding proteins <b>Family:</b> SSO2064-like
24	<a href="#">c3k1fM</a>	Alignment	not modelled	10.5	33	<b>PDB header:</b> transcription <b>Chain:</b> M: <b>PDB Molecule:</b> transcription initiation factor iib; <b>PDBTitle:</b> crystal structure of rna polymerase ii in complex with tfiib
25	<a href="#">c1yk0E</a>	Alignment	not modelled	10.0	50	<b>PDB header:</b> hormone/growth factor receptor <b>Chain:</b> E: <b>PDB Molecule:</b> atrial natriuretic factor; <b>PDBTitle:</b> structure of natriuretic peptide receptor-c complexed with atrial2 natriuretic peptide
26	<a href="#">d2k4xa1</a>	Alignment	not modelled	9.7	25	<b>Fold:</b> Rubredoxin-like <b>Superfamily:</b> Zn-binding ribosomal proteins <b>Family:</b> Ribosomal protein S27a
27	<a href="#">c6ok1B</a>	Alignment	not modelled	8.8	33	<b>PDB header:</b> transport protein <b>Chain:</b> B: <b>PDB Molecule:</b> chsh2(duf35); <b>PDBTitle:</b> ltp2-chsh2(duf35) aldolase
28	<a href="#">d2dlqa2</a>	Alignment	not modelled	8.0	33	<b>Fold:</b> beta-beta-alpha zinc fingers <b>Superfamily:</b> beta-beta-alpha zinc fingers <b>Family:</b> Classic zinc finger, C2H2 <b>PDB header:</b> transcription

29	<a href="#">c5fz5M_</a>	Alignment	not modelled	7.7	25	<b>Chain:</b> M: <b>PDB Molecule:</b> transcription initiation factor iib; <b>PDBTitle:</b> transcription initiation complex structures elucidate dna opening (cc)
30	<a href="#">c3k7aM_</a>	Alignment	not modelled	6.5	27	<b>PDB header:</b> transcription <b>Chain:</b> M: <b>PDB Molecule:</b> transcription initiation factor iib; <b>PDBTitle:</b> crystal structure of an rna polymerase ii-tfiib complex
31	<a href="#">c1t34H_</a>	Alignment	not modelled	6.3	57	<b>PDB header:</b> signaling protein,membrane protein <b>Chain:</b> H: <b>PDB Molecule:</b> atrial natriuretic peptide factor; <b>PDBTitle:</b> rotation mechanism for transmembrane signaling by the atrial2 natriuretic peptide receptor
32	<a href="#">d1h21a_</a>	Alignment	not modelled	6.2	19	<b>Fold:</b> Multiheme cytochromes <b>Superfamily:</b> Multiheme cytochromes <b>Family:</b> Di-heme elbow motif
33	<a href="#">c2m6oA_</a>	Alignment	not modelled	6.2	18	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> the actinobacterial transcription factor rbpA binds to the principal2 sigma subunit of rna polymerase
34	<a href="#">d1x4la2</a>	Alignment	not modelled	6.0	29	<b>Fold:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Superfamily:</b> Glucocorticoid receptor-like (DNA-binding domain) <b>Family:</b> LIM domain
35	<a href="#">c3vhsA_</a>	Alignment	not modelled	6.0	33	<b>PDB header:</b> metal binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> atpase wrnip1; <b>PDBTitle:</b> crystal structure of ubz of human wrnip1
36	<a href="#">c5k2mF_</a>	Alignment	not modelled	6.0	38	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> F: <b>PDB Molecule:</b> probable lysine biosynthesis protein; <b>PDBTitle:</b> bifunctional lysx/argx from thermococcus kodakarensis with lysw-gamma-2 aaa
37	<a href="#">d1y0ka1</a>	Alignment	not modelled	6.0	22	<b>Fold:</b> Restriction endonuclease-like <b>Superfamily:</b> Restriction endonuclease-like <b>Family:</b> PA4535-like
38	<a href="#">c5gufA_</a>	Alignment	not modelled	5.9	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> cdp-archaeol synthase; <b>PDBTitle:</b> structural insight into an intramembrane enzyme for archaeal membrane2 lipids biosynthesis
39	<a href="#">c2k2dA_</a>	Alignment	not modelled	5.9	16	<b>PDB header:</b> metal binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> ring finger and chy zinc finger domain- <b>PDBTitle:</b> solution nmr structure of c-terminal domain of human pirh2.2 northeast structural genomics consortium (nesg) target ht2c
40	<a href="#">c3uk3D_</a>	Alignment	not modelled	5.8	25	<b>PDB header:</b> dna/metal binding protein <b>Chain:</b> D: <b>PDB Molecule:</b> zinc finger protein 217; <b>PDBTitle:</b> crystal structure of znf217 bound to dna
41	<a href="#">d2dlqa4</a>	Alignment	not modelled	5.8	40	<b>Fold:</b> beta-beta-alpha zinc fingers <b>Superfamily:</b> beta-beta-alpha zinc fingers <b>Family:</b> Classic zinc finger, C2H2
42	<a href="#">d1ubdc2</a>	Alignment	not modelled	5.8	27	<b>Fold:</b> beta-beta-alpha zinc fingers <b>Superfamily:</b> beta-beta-alpha zinc fingers <b>Family:</b> Classic zinc finger, C2H2
43	<a href="#">c3b08H_</a>	Alignment	not modelled	5.8	23	<b>PDB header:</b> signaling protein/metal binding protein <b>Chain:</b> H: <b>PDB Molecule:</b> ranbp-type and c3hc4-type zinc finger-containing protein 1; <b>PDBTitle:</b> crystal structure of the mouse hoil1-l-nzf in complex with linear di-2 ubiquitin
44	<a href="#">d1x6ea2</a>	Alignment	not modelled	5.7	38	<b>Fold:</b> beta-beta-alpha zinc fingers <b>Superfamily:</b> beta-beta-alpha zinc fingers <b>Family:</b> Classic zinc finger, C2H2
45	<a href="#">c4hc7B_</a>	Alignment	not modelled	5.3	22	<b>PDB header:</b> transcription/dna <b>Chain:</b> B: <b>PDB Molecule:</b> trans-acting t-cell-specific transcription factor gata-3; <b>PDBTitle:</b> crystal structure of the full dna binding domain of gata3-complex 2
46	<a href="#">c3vhsB_</a>	Alignment	not modelled	5.3	43	<b>PDB header:</b> metal binding protein <b>Chain:</b> B: <b>PDB Molecule:</b> atpase wrnip1; <b>PDBTitle:</b> crystal structure of ubz of human wrnip1
47	<a href="#">c6c08C_</a>	Alignment	not modelled	5.1	12	<b>PDB header:</b> membrane protein <b>Chain:</b> C: <b>PDB Molecule:</b> sodium-coupled neutral amino acid transporter 9; <b>PDBTitle:</b> zebrafish slc38a9 with arginine bound in the cytosol open state
48	<a href="#">c4bpo9_</a>	Alignment	not modelled	5.1	25	<b>PDB header:</b> ribosome <b>Chain:</b> 9: <b>PDB Molecule:</b> 40s ribosomal protein rps31e; <b>PDBTitle:</b> the crystal structure of the eukaryotic 40s ribosomal subunit in2 complex with eif1 and eif1a - complex 3
49	<a href="#">c3wvnB_</a>	Alignment	not modelled	5.1	50	<b>PDB header:</b> metal binding protein/transferase <b>Chain:</b> B: <b>PDB Molecule:</b> orff; <b>PDBTitle:</b> crystal structure of lysz from thermus thermophilus complex with lysw