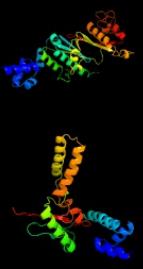
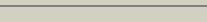
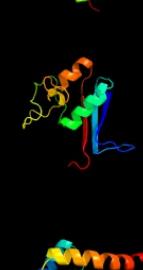


Phyre²

Email	mdejesus@rockefeller.edu
Description	RVBD2889c_(tsf)_3198302_3199117
Date	Thu Aug 8 16:20:04 BST 2019
Unique Job ID	89a9399bdde394b7

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1efuB_			100.0	41	PDB header: complex (two elongation factors) Chain: B; PDB Molecule: elongation factor ts; PDBTitle: elongation factor complex ef-tu/ef-ts from escherichia coli
2	c3mmpC_			100.0	41	PDB header: transferase Chain: C; PDB Molecule: elongation factor tu 2, elongation factor ts; PDBTitle: structure of the qb replicase, an rna-dependent rna polymerase2 consisting of viral and host proteins
3	c3aggA_			100.0	42	PDB header: translation,transferase Chain: A; PDB Molecule: elongation factor ts, elongation factor tu 1, linker, q PDBTitle: structure of viral polymerase form ii
4	c1xb2B_			100.0	28	PDB header: translation Chain: B; PDB Molecule: elongation factor ts, mitochondrial; PDBTitle: crystal structure of bos taurus mitochondrial elongation2 factor tu/ts complex
5	c1aiG_			100.0	56	PDB header: complex of two elongation factors Chain: G; PDB Molecule: elongation factor ts; PDBTitle: ef-tu ef-ts complex from thermus thermophilus
6	d1efub2			100.0	34	Fold: EF-Ts domain-like Superfamily: Elongation factor Ts (EF-Ts), dimerisation domain Family: Elongation factor Ts (EF-Ts), dimerisation domain
7	d1tfea_			100.0	41	Fold: EF-Ts domain-like Superfamily: Elongation factor Ts (EF-Ts), dimerisation domain Family: Elongation factor Ts (EF-Ts), dimerisation domain
8	d1xb2b2			99.9	31	Fold: EF-Ts domain-like Superfamily: Elongation factor Ts (EF-Ts), dimerisation domain Family: Elongation factor Ts (EF-Ts), dimerisation domain
9	d1efub4			99.9	46	Fold: EF-Ts domain-like Superfamily: Elongation factor Ts (EF-Ts), dimerisation domain Family: Elongation factor Ts (EF-Ts), dimerisation domain
10	d1xb2b3			99.9	26	Fold: EF-Ts domain-like Superfamily: Elongation factor Ts (EF-Ts), dimerisation domain Family: Elongation factor Ts (EF-Ts), dimerisation domain
11	d1efub3			99.8	50	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: TS-N domain

12	d1aipc1			99.8	45	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: TS-N domain
13	d1xb2b1			99.8	27	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: TS-N domain
14	d2cp9a1			99.7	28	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: TS-N domain
15	c2mroB_			97.0	33	PDB header: transport protein/signaling protein Chain: B: PDB Molecule: dna damage-inducible protein 1; PDBTitle: structure of the complex of ubiquitin and the uba domain from dna-2 damage-inducible 1 protein (ddi1)
16	d1ifya_			96.8	21	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
17	c1tr8A_			96.7	31	PDB header: chaperone Chain: A: PDB Molecule: conserved protein (mth177); PDBTitle: crystal structure of archaeal nascent polypeptide-associated complex2 (aenac)
18	d1wiva_			96.5	23	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
19	d1vega_			96.4	21	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
20	c2lvaA_			96.1	35	PDB header: hydrolase Chain: A: PDB Molecule: ubiquitin carboxyl-terminal hydrolase 28; PDBTitle: nmr solution structure of the n-terminal domain of human usp28,2 northeast structural genomics consortium target ht8470a
21	c2lbcA_		not modelled	96.0	16	PDB header: hydrolase Chain: A: PDB Molecule: ubiquitin carboxyl-terminal hydrolase 13; PDBTitle: solution structure of tandem uba of usp13
22	c2daiA_		not modelled	96.0	23	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: ubiquitin associated domain containing 1; PDBTitle: solution structure of the first uba domain in the human2 ubiquitin associated domain containing 1 (ubadc1)
23	c2muxA_		not modelled	96.0	32	PDB header: hydrolase Chain: A: PDB Molecule: ubiquitin carboxyl-terminal hydrolase 25; PDBTitle: sumo2 non-covalently interacts with usp25 and downregulates its2 activity
24	c2dakA_		not modelled	95.9	18	PDB header: hydrolase Chain: A: PDB Molecule: ubiquitin carboxyl-terminal hydrolase 5; PDBTitle: solution structure of the second uba domain in the human2 ubiquitin specific protease 5 (isopeptidase 5)
25	c2dagA_		not modelled	95.2	19	PDB header: hydrolase Chain: A: PDB Molecule: ubiquitin carboxyl-terminal hydrolase 5; PDBTitle: solution structure of the first uba domain in the human2 ubiquitin specific protease 5 (isopeptidase 5)
26	c1wr1B_		not modelled	94.9	17	PDB header: signaling protein Chain: B: PDB Molecule: ubiquitin-like protein dsk2; PDBTitle: the complex sturcture of dsk2p uba with ubiquitin
27	d1whca_		not modelled	94.7	21	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
28	d1veja1		not modelled	94.7	37	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
						PDB header: signaling protein

29	c2jy5A	Alignment	not modelled	94.7	28	Chain: A; PDB Molecule: ubiquilin-1; PDB Title: nmr structure of ubiquilin 1 uba domain
30	c2dahA	Alignment	not modelled	94.6	35	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: ubiquilin-3; PDB Title: solution structure of the c-terminal uba domain in the2 human ubiquilin 3
31	c2cpwA	Alignment	not modelled	94.6	32	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: cbl-interacting protein sts-1 variant; PDB Title: solution structure of rsgj ruh-031, a uba domain from human2 cdna
32	d1qy1a	Alignment	not modelled	94.6	28	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
33	d1wj7a1	Alignment	not modelled	94.6	34	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
34	c2cwbA	Alignment	not modelled	94.3	25	PDB header: protein binding Chain: A; PDB Molecule: chimera of immunoglobulin g binding protein g PDB Title: solution structure of the ubiquitin-associated domain of2 human bmsc-ubp and its complex with ubiquitin
35	d2dnna1	Alignment	not modelled	94.2	26	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
36	d1veka	Alignment	not modelled	94.1	22	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
37	c2dnna	Alignment	not modelled	94.1	26	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: unnamed protein product; PDB Title: solution structure of rsgj ruh-056, a uba domain from mouse2 cdna
38	d2bwba1	Alignment	not modelled	94.0	17	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
39	d2daha1	Alignment	not modelled	93.6	36	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
40	d2cpwa1	Alignment	not modelled	93.5	32	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
41	d2crna1	Alignment	not modelled	93.1	25	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
42	c2crna	Alignment	not modelled	92.6	19	PDB header: immune system Chain: A; PDB Molecule: ubash3a protein; PDB Title: solution structure of the uba domain of human ubash3a2 protein
43	c2qsfX	Alignment	not modelled	91.2	24	PDB header: dna binding protein Chain: X; PDB Molecule: uv excision repair protein rad23; PDB Title: crystal structure of the rad4-rad23 complex
44	d1vdla	Alignment	not modelled	91.1	32	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
45	d1v92a	Alignment	not modelled	91.0	20	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: TAP-C domain-like
46	d2g3qa1	Alignment	not modelled	90.7	28	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
47	d1oiai	Alignment	not modelled	89.4	9	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: TAP-C domain-like
48	c6exzA	Alignment	not modelled	88.9	9	PDB header: transport protein Chain: A; PDB Molecule: mrna export factor mex67; PDB Title: crystal structure of mex67 c-term
49	c2damA	Alignment	not modelled	87.8	24	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: etea protein; PDB Title: solution structure of the novel identified uba-like domain2 in the n-terminal of human etea protein
50	c2jp7A	Alignment	not modelled	87.4	9	PDB header: translation Chain: A; PDB Molecule: mrna export factor mex67; PDB Title: nmr structure of the mex67 uba domain
51	c2dalA	Alignment	not modelled	86.6	22	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: protein kiaa0794; PDB Title: solution structure of the novel identified uba-like domain2 in the n-terminal of human fas associated factor 1 protein
52	c6opfA	Alignment	not modelled	86.3	23	PDB header: rna binding protein Chain: A; PDB Molecule: nuclear rna export factor 2, panoramix fusion; PDB Title: crystal structure of dmnxf2 uba domain fused with panoramix helix
53	d1go5a	Alignment	not modelled	86.3	11	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: TAP-C domain-like
54	c2do6A	Alignment	not modelled	86.1	26	PDB header: ligase Chain: A; PDB Molecule: e3 ubiquitin-protein ligase cbl-b; PDB Title: solution structure of rsgj ruh-065, a uba domain from human2 cdna
55	c2d9sA	Alignment	not modelled	85.6	22	PDB header: ligase Chain: A; PDB Molecule: cbl e3 ubiquitin protein ligase; PDB Title: solution structure of rsgj ruh-049, a uba domain from

						mouse2 cdna
56	c4dbgB	Alignment	not modelled	84.5	22	PDB header: ligase Chain: B: PDB Molecule: ring finger protein 31; PDBTitle: crystal structure of hoil-1l-ubl complexed with a hoip-uba derivative
57	d1oqya2	Alignment	not modelled	84.1	18	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
58	c4wp2D	Alignment	not modelled	84.1	9	PDB header: transport protein Chain: D: PDB Molecule: putative mrna export protein; PDBTitle: chaetomium mex67 uba domain
59	c3bq3A	Alignment	not modelled	82.3	12	PDB header: cell cycle, ligase Chain: A: PDB Molecule: defective in cullin neddylation protein 1; PDBTitle: crystal structure of s. cerevisiae dcn1
60	c2jnhA	Alignment	not modelled	79.9	26	PDB header: ligase Chain: A: PDB Molecule: e3 ubiquitin-protein ligase cbl-b; PDBTitle: solution structure of the uba domain from cbl-b
61	d1dd3a2	Alignment	not modelled	77.1	28	Fold: ClpS-like Superfamily: ClpS-like Family: Ribosomal protein L7/12, C-terminal domain
62	d1ctfa	Alignment	not modelled	68.8	28	Fold: ClpS-like Superfamily: ClpS-like Family: Ribosomal protein L7/12, C-terminal domain
63	c4ae4B	Alignment	not modelled	65.9	26	PDB header: protein transport Chain: B: PDB Molecule: ubiquitin-associated protein 1; PDBTitle: the ubap1 subunit of escrt-i interacts with ubiquitin via a novel sobua domain
64	d2zjq51	Alignment	not modelled	64.1	26	Fold: ClpS-like Superfamily: ClpS-like Family: Ribosomal protein L7/12, C-terminal domain
65	c2zjq5	Alignment	not modelled	64.1	26	PDB header: ribosome Chain: 5: PDB Molecule: 50s ribosomal protein l7/l12; PDBTitle: interaction of l7 with l11 induced by micrococin binding to the2 deinococcus radiodurans 50s subunit
66	c1giyl	Alignment	not modelled	62.0	28	PDB header: ribosome Chain: J: PDB Molecule: 50s ribosomal protein l7/l12; PDBTitle: crystal structure of the ribosome at 5.5 a resolution. this2 file, 1giy, contains the 50s ribosome subunit. the 30s3 ribosome subunit, three trna, and mrna molecules are in the4 file 1gix
67	d1z96a1	Alignment	not modelled	60.5	36	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
68	d1dy0a	Alignment	not modelled	56.1	16	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
69	d1wjia	Alignment	not modelled	52.6	28	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
70	c6deeA	Alignment	not modelled	49.4	22	PDB header: endocytosis Chain: A: PDB Molecule: nck-interacting protein with sh3 domain; PDBTitle: crystal structure of the c-terminus of homo sapiens spin9 (sh3-2 protein interacting with nck), residues 306-722
71	c3k6gA	Alignment	not modelled	47.9	14	PDB header: protein binding Chain: A: PDB Molecule: telomeric repeat-binding factor 2-interacting protein 1; PDBTitle: crystal structure of rap1 and trf2 complex
72	c2ftcF	Alignment	not modelled	37.8	14	PDB header: ribosome Chain: F: PDB Molecule: 39s ribosomal protein l12, mitochondrial; PDBTitle: structural model for the large subunit of the mammalian mitochondrial2 ribosome
73	d1wgla	Alignment	not modelled	35.1	19	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: CUE domain
74	c5nnpG	Alignment	not modelled	34.1	32	PDB header: transferase Chain: G: PDB Molecule: putative uncharacterized protein; PDBTitle: structure of naa15/naa10 bound to hypk-thb
75	c5uoia	Alignment	not modelled	32.0	18	PDB header: de novo protein Chain: A: PDB Molecule: hhh_rd1_0142; PDBTitle: solution structure of the de novo mini protein hhh_rd1_0142
76	c2l4fa	Alignment	not modelled	30.0	12	PDB header: protein binding Chain: A: PDB Molecule: defective in cullin neddylation protein 1; PDBTitle: nmr structure of the uba domain of s. cerevisiae dcn1 bound to2 ubiquitin
77	d2qswa1	Alignment	not modelled	29.0	31	Fold: Ferredoxin-like Superfamily: ACT-like Family: NIL domain-like
78	d1fipa	Alignment	not modelled	27.1	17	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: FIS-like
79	c2dhyA	Alignment	not modelled	26.6	11	PDB header: immune system Chain: A: PDB Molecule: cue domain-containing protein 1; PDBTitle: solution structure of the cue domain in the human cue2 domain containing protein 1 (cuedc1)
80	d3dhxa1	Alignment	not modelled	23.8	23	Fold: Ferredoxin-like Superfamily: ACT-like Family: NIL domain-like
81	c2gya3	Alignment	not modelled	23.2	24	PDB header: ribosome Chain: 3: PDB Molecule: 50s ribosomal protein l7/l12; PDBTitle: structure of the 50s subunit of a pre-translocational e. coli ribosome2 obtained by fitting atomic models for rna and protein components into3 cryo-em map emd-1056

82	c2ndpA	Alignment	not modelled	22.1	15	PDB header: dna binding protein Chain: A: PDB Molecule: histone-like dna-binding superfamily protein; PDBTitle: structure of dna-binding hu protein from micoplasma mycoplasma2 gallisepticum
83	c3cz6A	Alignment	not modelled	21.2	20	PDB header: protein binding Chain: A: PDB Molecule: dna-binding protein rap1; PDBTitle: crystal structure of the rap1 c-terminus
84	c4xhtD	Alignment	not modelled	20.8	24	PDB header: replication Chain: D: PDB Molecule: protein timeless homolog; PDBTitle: crystal structure of timeless_pab domain native form
85	c2m8gX	Alignment	not modelled	20.5	28	PDB header: transcription Chain: X: PDB Molecule: transcriptional regulator; PDBTitle: structure, function, and tethering of dna-binding domains in 542 transcriptional activators
86	c3fmyA	Alignment	not modelled	19.5	4	PDB header: dna binding protein Chain: A: PDB Molecule: hth-type transcriptional regulator mqsa PDBTitle: structure of the c-terminal domain of the e. coli protein2 mqsa (yglt/b3021)
87	c5vnyA	Alignment	not modelled	18.8	21	PDB header: endocytosis, protein binding Chain: A: PDB Molecule: lethal (2) giant discs 1, isoform b; PDBTitle: crystal structure of dm14-3 domain of lgd
88	c4kdhe	Alignment	not modelled	16.8	35	PDB header: ribosome Chain: E: PDB Molecule: 50s ribosomal protein I3; PDBTitle: 70s ribosome translocation intermediate fa-4.2a containing elongation2 factor efg/fusidic acid/gdp, mrna, and trna bound in the pe*/e state.3 this entry contains the 50s ribosomal subunit a. the 30s subunit a4 can be found in 4kdg. molecule b in the same asymmetric unit is5 deposited as 4kjd (30s) and 4dkb (50s).
89	c2kjgA	Alignment	not modelled	16.4	28	PDB header: metal binding protein Chain: A: PDB Molecule: archaeal protein sso6904; PDBTitle: solution structure of an archaeal protein sso6904 from2 hyperthermophilic sulfolobus solfataricus
90	d2cosa1	Alignment	not modelled	16.2	26	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
91	c4q2jA	Alignment	not modelled	15.8	18	PDB header: dna binding protein Chain: A: PDB Molecule: dna-binding protein satb1; PDBTitle: a novel structure-based mechanism for dna-binding of satb1
92	c3c4mC	Alignment	not modelled	15.7	71	PDB header: membrane protein Chain: C: PDB Molecule: parathyroid hormone; PDBTitle: structure of human parathyroid hormone in complex with the2 extracellular domain of its g-protein-coupled receptor (pth1r)
93	c3c4mD	Alignment	not modelled	15.7	71	PDB header: membrane protein Chain: D: PDB Molecule: parathyroid hormone; PDBTitle: structure of human parathyroid hormone in complex with the2 extracellular domain of its g-protein-coupled receptor (pth1r)
94	d1zhva2	Alignment	not modelled	15.4	27	Fold: Ferrodoxin-like Superfamily: ACT-like Family: Atu0741-like
95	d1etob	Alignment	not modelled	15.2	17	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: FIS-like
96	c3k1sE	Alignment	not modelled	15.1	26	PDB header: transferase Chain: E: PDB Molecule: pts system, cellobiose-specific iia component; PDBTitle: crystal structure of the pts cellobiose specific enzyme iia from2 bacillus anthracis
97	d2qrta1	Alignment	not modelled	14.9	38	Fold: Ferrodoxin-like Superfamily: ACT-like Family: NIL domain-like
98	d1hsta	Alignment	not modelled	14.9	7	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Linker histone H1/H5
99	c4kbue	Alignment	not modelled	14.6	35	PDB header: ribosome/antibiotic Chain: E: PDB Molecule: 50s ribosomal protein I3; PDBTitle: 70s ribosome translocation intermediate gdppn-p-ii containing elongation2 factor efg/gdppn, mrna, and trna bound in the pe*/e state. this entry3 contains 50s ribosomal subunit a. the full asymmetric unit also4 contains pdb entries 4kbt (30s subunit a), 4kbv (30s subunit b), and5 4kbw (50s subunit b).