
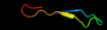
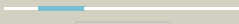
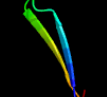



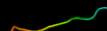




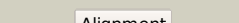




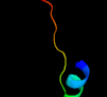

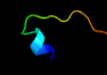
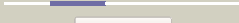



Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0028 (-)_31514_31819
Date	Tue Jul 23 14:50:05 BST 2019
Unique Job ID	ab2bebf15c7025ca

Detailed template
information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2gidP_	 Alignment		35.5	45	PDB header: translation Chain: P: PDB Molecule: mitochondrial rna-binding protein 2; PDBTitle: crystal structures of trypanosoma brucei mrp1/mrp2
2	d2giaa1	 Alignment		32.9	45	Fold: ssDNA-binding transcriptional regulator domain Superfamily: ssDNA-binding transcriptional regulator domain Family: Guide RNA binding protein gBP
3	d1puga_	 Alignment		26.0	12	Fold: YbaB-like Superfamily: YbaB-like Family: YbaB-like
4	d1qnta2	 Alignment		21.1	31	Fold: Ribonuclease H-like motif Superfamily: Methylated DNA-protein cysteine methyltransferase domain Family: Methylated DNA-protein cysteine methyltransferase domain
5	d1j8ba_	 Alignment		18.8	12	Fold: YbaB-like Superfamily: YbaB-like Family: YbaB-like
6	d3boja1	 Alignment		17.1	34	Fold: CdCA1 repeat-like Superfamily: CdCA1 repeat-like Family: CdCA1 repeat-like
7	d3boea1	 Alignment		16.0	31	Fold: CdCA1 repeat-like Superfamily: CdCA1 repeat-like Family: CdCA1 repeat-like
8	d2dnaa1	 Alignment		15.8	50	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
9	c6qb7A_	 Alignment		15.5	26	PDB header: signaling protein Chain: A: PDB Molecule: btb/poz domain-containing protein kctd16; PDBTitle: structure of the h1 domain of human kctd16
10	c6m8sM_	 Alignment		14.9	37	PDB header: signaling protein Chain: M: PDB Molecule: btb/poz domain-containing protein kctd12; PDBTitle: crystal structure of the kctd12 h1 domain in complex with gbeta1gamma22 subunits
11	c3rlca_	 Alignment		13.8	41	PDB header: structural protein Chain: A: PDB Molecule: a1 protein; PDBTitle: crystal structure of the read-through domain from bacteriophage qbeta2 a1 protein, hexagonal crystal form

12	c4b86H_	Alignment		12.1	33	PDB header: gene regulation Chain: H: PDB Molecule: male-specific lethal 2 homolog; PDBTitle: crystal structure of the msl1-msl2 complex (3.5a)
13	c2yrvA_	Alignment		11.9	26	PDB header: transcription Chain: A: PDB Molecule: at-rich interactive domain-containing protein 4a; PDBTitle: solution structure of the rbb1nt domain of human2 rb(retinoblastoma)-binding protein 1
14	d2daha1	Alignment		11.1	46	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
15	c2cwbA_	Alignment		10.3	36	PDB header: protein binding Chain: A: PDB Molecule: chimera of immunoglobulin g binding protein g PDBTitle: solution structure of the ubiquitin-associated domain of2 human bmsc-ubp and its complex with ubiquitin
16	d5csma_	Alignment		10.2	36	Fold: Chorismate mutase II Superfamily: Chorismate mutase II Family: Allosteric chorismate mutase
17	d1gija2	Alignment		10.0	30	Fold: LEM/SAP HeH motif Superfamily: LEM domain Family: LEM domain
18	c1wr1B_	Alignment		9.9	23	PDB header: signaling protein Chain: B: PDB Molecule: ubiquitin-like protein dsk2; PDBTitle: the complex sturcture of dsk2p uba with ubiquitin
19	c2dnaA_	Alignment		9.6	54	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: unnamed protein product; PDBTitle: solution structure of rsgi ruh-056, a uba domain from mouse2 cdna
20	d2bwba1	Alignment		9.5	23	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
21	c2l81A_	Alignment	not modelled	9.5	46	PDB header: cell adhesion Chain: A: PDB Molecule: enhancer of filamentation 1; PDBTitle: solution nmr structure of the serine-rich domain of hef1 (enhancer of2 filamentation 1) from homo sapiens, northeast structural genomics3 consortium target hr5554a
22	d1vg5a_	Alignment	not modelled	9.4	47	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
23	c5w6yB_	Alignment	not modelled	9.3	43	PDB header: biosynthetic protein,isomerase Chain: B: PDB Molecule: chorismate mutase; PDBTitle: physcomitrella patens chorismate mutase
24	c2knpA_	Alignment	not modelled	9.0	75	PDB header: unknown function Chain: A: PDB Molecule: mcocc-1; PDBTitle: isolation and characterization of peptides from momordica2 cochinchinensis seeds.
25	d1veja1	Alignment	not modelled	9.0	54	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
26	c2rrdA_	Alignment	not modelled	8.9	24	PDB header: dna binding protein Chain: A: PDB Molecule: hrdc domain from bloom syndrome protein; PDBTitle: structure of hrdc domain from human bloom syndrome protein, blm
27	c2jy5A_	Alignment	not modelled	8.8	62	PDB header: signaling protein Chain: A: PDB Molecule: ubiquilin-1; PDBTitle: nmr structure of ubiquilin 1 uba domain
28	c2dahA_	Alignment	not modelled	8.8	46	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: ubiquilin-3; PDBTitle: solution structure of the c-terminal uba domain in the2 human ubiquilin 3

29	c4ppuA	Alignment	not modelled	8.6	29	PDB header: isomerase Chain: A: PDB Molecule: chorismate mutase 1, chloroplastic; PDBTitle: crystal structure of atcm1 with tyrosine bound in allosteric site
30	c6nw8A	Alignment	not modelled	8.6	75	PDB header: toxin Chain: A: PDB Molecule: cn29; PDBTitle: solution structure of cn29, a toxin from centruriores noxius scorpiion2 venom
31	c1k87A	Alignment	not modelled	8.0	40	PDB header: oxidoreductase Chain: A: PDB Molecule: proline dehydrogenase; PDBTitle: crystal structure of e.coli puta (residues 1-669)
32	c4yepA	Alignment	not modelled	7.5	33	PDB header: sugar binding protein Chain: A: PDB Molecule: laminin subunit alpha-2; PDBTitle: l4b domain of human laminin alpha-2
33	c2b68A	Alignment	not modelled	7.2	83	PDB header: antimicrobial protein Chain: A: PDB Molecule: defensin; PDBTitle: solution structure of the recombinant crassostrea gigas2 defensin
34	c6eu1Q	Alignment	not modelled	7.2	29	PDB header: transcription Chain: Q: PDB Molecule: dna-directed rna polymerase iii subunit rpc7; PDBTitle: rna polymerase iii - open dna complex (oc-pol3)
35	c3lfcC	Alignment	not modelled	6.9	36	PDB header: unknown function Chain: C: PDB Molecule: marr like protein, tvq0766549; PDBTitle: a reported archaeal mechanosensitive channel is a structural2 homolog of marr-like transcriptional regulators
36	c1ko6A	Alignment	not modelled	6.8	34	PDB header: transferase Chain: A: PDB Molecule: nuclear pore complex protein nup98; PDBTitle: crystal structure of c-terminal autoproteolytic domain of2 nucleoporin nup98
37	c6h3pB	Alignment	not modelled	6.6	36	PDB header: plant protein Chain: B: PDB Molecule: chorismate mutase; PDBTitle: crystal structure of the cytoplasmic chorismate mutase from zea mays
38	d1tj1a2	Alignment	not modelled	6.5	31	Fold: TIM beta/alpha-barrel Superfamily: FAD-linked oxidoreductase Family: Proline dehydrogenase domain of bifunctional PutA protein
39	c4h6rA	Alignment	not modelled	6.3	15	PDB header: oxidoreductase Chain: A: PDB Molecule: proline dehydrogenase; PDBTitle: structure of reduced deinococcus radiodurans proline dehydrogenase
40	c2ekgB	Alignment	not modelled	6.1	26	PDB header: oxidoreductase Chain: B: PDB Molecule: proline dehydrogenase/delta-1-pyrroline-5-carboxylate PDBTitle: structure of thermus thermophilus proline dehydrogenase inactivated by2 n-propargylglycine
41	d2jra1	Alignment	not modelled	5.7	21	Fold: Api92-like Superfamily: Api92-like Family: Api92-like
42	d2cxfA1	Alignment	not modelled	5.6	20	Fold: RUN domain-like Superfamily: RUN domain-like Family: RUN domain
43	d1u58a2	Alignment	not modelled	5.4	33	Fold: MHC antigen-recognition domain Superfamily: MHC antigen-recognition domain Family: MHC antigen-recognition domain
44	c2jvuA	Alignment	not modelled	5.2	54	PDB header: unknown function Chain: A: PDB Molecule: dispersin; PDBTitle: solution structure of dispersin from enteroaggregative escherichia2 coli
45	d1icaa	Alignment	not modelled	5.1	58	Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: Scorpion toxin-like Family: Insect defensins