
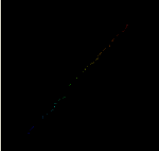



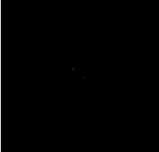

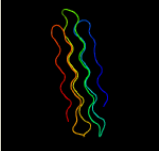

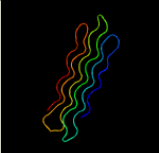

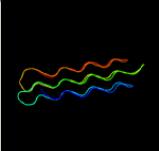

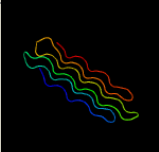

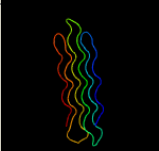

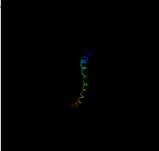

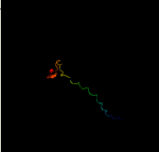


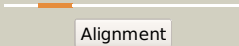

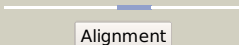
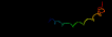
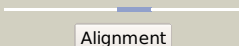
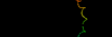
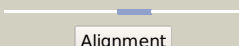
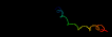
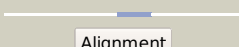

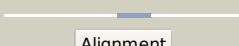

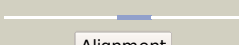







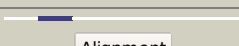


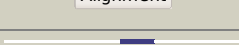
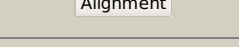


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0954_(-)_1065131_1066042
Date	Fri Jul 26 01:50:55 BST 2019
Unique Job ID	a8cfb3ae21bb4299

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3hqvB_	 Alignment		98.9	12	PDB header: structural protein, contractile protein Chain: B: PDB Molecule: collagen alpha-2(i) chain; PDBTitle: low resolution, molecular envelope structure of type i2 collagen in situ determined by fiber diffraction. single3 type i collagen molecule, rigid body refinement
2	c1ygvA_	 Alignment		98.6	11	PDB header: structural protein/contractile protein Chain: A: PDB Molecule: collagen i alpha 1; PDBTitle: the structure of collagen type i. single type i collagen2 molecule: rigid refinement
3	c1y0fB_	 Alignment		96.8	14	PDB header: structural protein/contractile protein Chain: B: PDB Molecule: collagen i alpha 2; PDBTitle: the structure of collagen type i. single type i collagen2 molecule
4	c3bogA_	 Alignment		95.3	17	PDB header: antifreeze protein Chain: A: PDB Molecule: 6.5 kda glycine-rich antifreeze protein; PDBTitle: snow flea antifreeze protein quasi-racemate
5	c3bogB_	 Alignment		95.3	17	PDB header: antifreeze protein Chain: B: PDB Molecule: 6.5 kda glycine-rich antifreeze protein; PDBTitle: snow flea antifreeze protein quasi-racemate
6	c2pneA_	 Alignment		93.9	14	PDB header: antifreeze protein Chain: A: PDB Molecule: 6.5 kda glycine-rich antifreeze protein; PDBTitle: crystal structure of the snow flea antifreeze protein
7	c3boiA_	 Alignment		93.9	14	PDB header: antifreeze protein Chain: A: PDB Molecule: 6.5 kda glycine-rich antifreeze protein; PDBTitle: snow flea antifreeze protein racemate
8	c3boiB_	 Alignment		93.9	14	PDB header: antifreeze protein Chain: B: PDB Molecule: 6.5 kda glycine-rich antifreeze protein; PDBTitle: snow flea antifreeze protein racemate
9	c5ctiC_	 Alignment		89.5	21	PDB header: structural protein Chain: C: PDB Molecule: collagen alpha-1(i) chain, collagen alpha-3(ix) chain; PDBTitle: crystal structure of the type ix collagen nc2 heterotrimerization2 domain with a guest fragment a2a1a1 of type i collagen (native form)
10	c1nayC_	 Alignment		88.2	10	PDB header: structural protein Chain: C: PDB Molecule: collagen-like peptide; PDBTitle: gpp-foldon:x-ray structure
11	c5ctdA_	 Alignment		81.9	16	PDB header: structural protein Chain: A: PDB Molecule: collagen alpha-1(i) chain, collagen alpha-1(ix) chain; PDBTitle: crystal structure of the type ix collagen nc2 heterotrimerization2 domain with a guest fragment a2a1a1 of type i collagen

12	c5ctdB_	 Alignment		80.3	18	PDB header: structural protein Chain: B; PDB Molecule: collagen alpha-2(i) chain, collagen alpha-2(ix) chain; PDBTitle: crystal structure of the type ix collagen nc2 heterotrimerization2 domain with a guest fragment a2a1a1 of type i collagen
13	c2klwA_	 Alignment		29.0	24	PDB header: de novo protein Chain: A; PDB Molecule: (pkg)10; PDBTitle: solution structure of an abc collagen heterotrimer reveals a2 single-register helix stabilized by electrostatic3 interactions
14	c1k6fE_	 Alignment		27.9	25	PDB header: structural protein Chain: E; PDB Molecule: collagen triple helix; PDBTitle: crystal structure of the collagen triple helix model [(pro-pro-gly)2 10]3
15	c1k6fC_	 Alignment		27.9	25	PDB header: structural protein Chain: C; PDB Molecule: collagen triple helix; PDBTitle: crystal structure of the collagen triple helix model [(pro-pro-gly)2 10]3
16	c1k6fD_	 Alignment		27.9	25	PDB header: structural protein Chain: D; PDB Molecule: collagen triple helix; PDBTitle: crystal structure of the collagen triple helix model [(pro-pro-gly)2 10]3
17	c1k6fA_	 Alignment		27.9	25	PDB header: structural protein Chain: A; PDB Molecule: collagen triple helix; PDBTitle: crystal structure of the collagen triple helix model [(pro-pro-gly)2 10]3
18	c1k6fF_	 Alignment		27.9	25	PDB header: structural protein Chain: F; PDB Molecule: collagen triple helix; PDBTitle: crystal structure of the collagen triple helix model [(pro-pro-gly)2 10]3
19	c1k6fB_	 Alignment		27.9	25	PDB header: structural protein Chain: B; PDB Molecule: collagen triple helix; PDBTitle: crystal structure of the collagen triple helix model [(pro-pro-gly)2 10]3
20	c3ah9D_	 Alignment		9.3	32	PDB header: structural protein Chain: D; PDB Molecule: collagen-like peptide; PDBTitle: crystal structure of (pro-pro-gly)9 at 1.1 a resolution
21	c3ah9A_	 Alignment	not modelled	8.6	29	PDB header: structural protein Chain: A; PDB Molecule: collagen-like peptide; PDBTitle: crystal structure of (pro-pro-gly)9 at 1.1 a resolution
22	c2cuoF_	 Alignment	not modelled	8.4	22	PDB header: structural protein Chain: F; PDB Molecule: collagen model peptide (pro-pro-gly)9; PDBTitle: collagen model peptide (pro-pro-gly)9
23	c2cuoC_	 Alignment	not modelled	8.4	22	PDB header: structural protein Chain: C; PDB Molecule: collagen model peptide (pro-pro-gly)9; PDBTitle: collagen model peptide (pro-pro-gly)9
24	c3ah9E_	 Alignment	not modelled	7.1	28	PDB header: structural protein Chain: E; PDB Molecule: collagen-like peptide; PDBTitle: crystal structure of (pro-pro-gly)9 at 1.1 a resolution
25	c3ah9C_	 Alignment	not modelled	7.1	28	PDB header: structural protein Chain: C; PDB Molecule: collagen-like peptide; PDBTitle: crystal structure of (pro-pro-gly)9 at 1.1 a resolution
26	c3ah9B_	 Alignment	not modelled	7.1	28	PDB header: structural protein Chain: B; PDB Molecule: collagen-like peptide; PDBTitle: crystal structure of (pro-pro-gly)9 at 1.1 a resolution
27	c3ah9F_	 Alignment	not modelled	6.6	29	PDB header: structural protein Chain: F; PDB Molecule: collagen-like peptide; PDBTitle: crystal structure of (pro-pro-gly)9 at 1.1 a resolution