







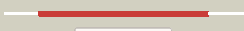














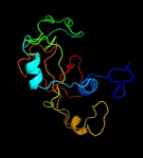

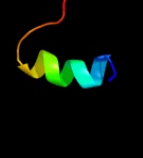
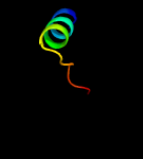

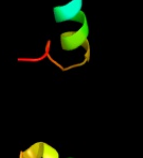
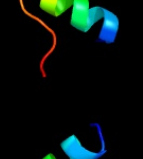
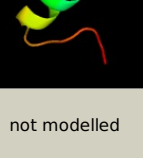


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0712_(-)_808749_809648
Date	Fri Jul 26 01:50:28 BST 2019
Unique Job ID	984ef767bf81e37f

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5nyyA_	 Alignment		100.0	46	PDB header: transferase Chain: A: PDB Molecule: non-specific serine/threonine protein kinase; PDBTitle: formylglycine generating enzyme from t. curvata in complex with cd(ii)
2	c2q17C_	 Alignment		100.0	46	PDB header: unknown function Chain: C: PDB Molecule: formylglycine generating enzyme; PDBTitle: formylglycine generating enzyme from streptomyces coelicolor
3	d1z70x1	 Alignment		100.0	43	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: Sulfatase-modifying factor-like
4	c1y1fx_	 Alignment		100.0	45	PDB header: oxidoreductase Chain: X: PDB Molecule: c-alpha-formylglycine-generating enzyme; PDBTitle: human formylglycine generating enzyme with cysteine sulfenic acid
5	c4x8bA_	 Alignment		100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: sulfoxide synthase egtb; PDBTitle: ergothioneine-biosynthetic sulfoxide synthase egtb, apo form
6	d1y4ja1	 Alignment		100.0	39	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: Sulfatase-modifying factor-like
7	c5hhaB_	 Alignment		100.0	30	PDB header: hydrolase Chain: B: PDB Molecule: pvdo; PDBTitle: structure of pvdo from pseudomonas aeruginosa
8	c6qkja_	 Alignment		100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: egtb from chloracidobacterium thermophilum, a type ii sulfoxide2 synthase in complex with n,n,n-trimethyl-histidine
9	c2y3cA_	 Alignment		100.0	22	PDB header: unknown function Chain: A: PDB Molecule: treponema denticola variable protein 1; PDBTitle: treponema denticola variable protein 1
10	c5aohA_	 Alignment		100.0	27	PDB header: unknown function Chain: A: PDB Molecule: carf; PDBTitle: crystal structure of carf
11	d1yu0a2	 Alignment		100.0	20	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: Mtd variable domain

12	d1yu3a2	Alignment		100.0	20	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: Mtd variable domain
13	c2iouC	Alignment		100.0	19	PDB header: viral protein/membrane protein Chain: C: PDB Molecule: major tropism determinant p1; PDBTitle: major tropism determinant p1 (mtd-p1) variant complexed with2 bordetella brochiseptica virulence factor pertactin extracellular3 domain (prn-e).
14	c5vf4A	Alignment		100.0	27	PDB header: unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: thermus aquaticus variable protein (taqvp) from diversity-generating2 retroelements (dgr)
15	c1e5ul	Alignment		85.7	42	PDB header: intimin Chain: I: PDB Molecule: intimin; PDBTitle: nmr representative structure of intimin-190 (int190) from2 enteropathogenic e. coli
16	c3k7bA	Alignment		67.3	25	PDB header: viral protein Chain: A: PDB Molecule: protein a33; PDBTitle: the structure of the poxvirus a33 protein reveals a dimer of unique c-2 type lectin-like domains.
17	d1g1ta1	Alignment		57.1	26	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
18	d1byfa	Alignment		56.9	32	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
19	d2msba	Alignment		56.7	5	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
20	c1fm5A	Alignment		55.1	16	PDB header: immune system Chain: A: PDB Molecule: early activation antigen cd69; PDBTitle: crystal structure of human cd69
21	d1f00i3	Alignment	not modelled	54.3	40	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: Invasin/intimin cell-adhesion fragment, C-terminal domain
22	c1es1A	Alignment	not modelled	53.3	26	PDB header: cell adhesion protein Chain: A: PDB Molecule: human e-selectin; PDBTitle: insight into e-selectin(/slash)ligand interaction from the crystal2 structure and mutagenesis of the lec(/slash)egf domains
23	d1wk1a	Alignment	not modelled	51.9	29	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
24	d1rjha	Alignment	not modelled	50.1	21	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
25	d1rd1l	Alignment	not modelled	49.7	16	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
26	d1g1sa1	Alignment	not modelled	49.4	11	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
27	d1fifa1	Alignment	not modelled	48.3	5	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
28	d1ja3a	Alignment	not modelled	47.8	5	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
29	d1hupa1	Alignment	not modelled	47.5	11	Fold: C-type lectin-like Superfamily: C-type lectin-like

						Family: C-type lectin domain
30	c6jliA_	Alignment	not modelled	47.3	11	PDB header: immune system Chain: A: PDB Molecule: secretory phospholipase a2 receptor; PDBTitle: crystal structure of ctld7 domain of human pla2r
31	c2vuvA_	Alignment	not modelled	47.1	16	PDB header: sugar-binding protein Chain: A: PDB Molecule: codakine; PDBTitle: crystal structure of codakine at 1.3a resolution
32	d2pf5a1	Alignment	not modelled	43.4	27	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: Link domain
33	c5xtwH_	Alignment	not modelled	42.6	11	PDB header: sugar binding protein Chain: H: PDB Molecule: macrophage mannose receptor 1; PDBTitle: crystal structure of the cysr-ctld2 fragment of human mr at acidic ph
34	d3c8ja1	Alignment	not modelled	42.3	11	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
35	c4qkB_	Alignment	not modelled	42.0	5	PDB header: immune system Chain: B: PDB Molecule: c-type lectin domain family 2 member d; PDBTitle: dimeric form of human llt1, a ligand for nkr-p1
36	c5b1rA_	Alignment	not modelled	40.5	11	PDB header: immune system Chain: A: PDB Molecule: b-cell differentiation antigen cd72; PDBTitle: crystal structure of mouse cd72a ctld
37	c1kwwC_	Alignment	not modelled	40.4	5	PDB header: immune system, sugar binding protein Chain: C: PDB Molecule: mannose-binding protein a; PDBTitle: rat mannose protein a complexed with a-me-fuc.
38	c3rs1A_	Alignment	not modelled	40.2	16	PDB header: immune system Chain: A: PDB Molecule: c-type lectin domain family 2 member i; PDBTitle: mouse c-type lectin-related protein clrg
39	c5ao6A_	Alignment	not modelled	39.6	21	PDB header: endocytosis Chain: A: PDB Molecule: c-type mannose receptor 2; PDBTitle: endo180 d1-4, trigonal form
40	c4c16B_	Alignment	not modelled	39.4	26	PDB header: cell adhesion Chain: B: PDB Molecule: e-selectin; PDBTitle: e-selectin lectin, egf-like and two scr domains complexed2 with glycomimetic antagonist
41	c3bdwD_	Alignment	not modelled	38.8	5	PDB header: immune system receptor Chain: D: PDB Molecule: nkg2-a/nkg2-b type ii integral membrane protein; PDBTitle: human cd94/nkg2a
42	c1hupA_	Alignment	not modelled	38.7	11	PDB header: c-type lectin Chain: A: PDB Molecule: mannose-binding protein; PDBTitle: human mannose binding protein carbohydrate recognition domain2 trimerizes through a triple alpha-helical coiled-coil
43	d1e87a_	Alignment	not modelled	38.6	16	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
44	c1g1qD_	Alignment	not modelled	38.6	11	PDB header: immune system, membrane protein Chain: D: PDB Molecule: p-selectin; PDBTitle: crystal structure of p-selectin lectin/egf domains
45	c1f00I_	Alignment	not modelled	37.0	42	PDB header: cell adhesion Chain: I: PDB Molecule: intimin; PDBTitle: crystal structure of c-terminal 282-residue fragment of2 enteropathogenic e. coli intimin
46	c2b6bD_	Alignment	not modelled	36.4	16	PDB header: virus/receptor Chain: D: PDB Molecule: cd209 antigen; PDBTitle: cryo em structure of dengue complexed with crd of dc-sign
47	d1egga_	Alignment	not modelled	36.2	16	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
48	c3dbzB_	Alignment	not modelled	36.1	21	PDB header: sugar binding protein Chain: B: PDB Molecule: pulmonary surfactant-associated protein d; PDBTitle: human surfactant protein d
49	d1r13a1	Alignment	not modelled	36.0	16	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
50	c3ff7C_	Alignment	not modelled	35.8	5	PDB header: cell adhesion/immune system Chain: C: PDB Molecule: killer cell lectin-like receptor subfamily g member 1; PDBTitle: structure of nk cell receptor klrp1 bound to e-cadherin
51	d1mpua_	Alignment	not modelled	35.5	11	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
52	c1cwwA_	Alignment	not modelled	33.2	14	PDB header: structural protein Chain: A: PDB Molecule: invasin; PDBTitle: crystal structure of invasin: a bacterial integrin-binding protein
53	c5mgsF_	Alignment	not modelled	33.0	11	PDB header: immune system Chain: F: PDB Molecule: killer cell lectin-like receptor subfamily b member 1; PDBTitle: human receptor nkr-p1 in deglycosylated form, extracellular domain
54	c3cfwA_	Alignment	not modelled	32.4	16	PDB header: cell adhesion Chain: A: PDB Molecule: l-selectin; PDBTitle: l-selectin lectin and egf domains
55	d1t8da1	Alignment	not modelled	32.1	11	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain

56	c5e4lB_	Alignment	not modelled	32.0	21	PDB header: sugar binding protein Chain: B: PDB Molecule: c-type mannose receptor 2; PDBTitle: structure of ligand binding region of uparap at ph 5.3
57	d1jwia_	Alignment	not modelled	31.9	16	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
58	d1uuha_	Alignment	not modelled	31.1	24	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: Link domain
59	d1qo3c_	Alignment	not modelled	30.9	5	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
60	d1hq8a_	Alignment	not modelled	30.5	11	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
61	c1r13A_	Alignment	not modelled	29.9	16	PDB header: sugar binding protein Chain: A: PDB Molecule: pulmonary surfactant-associated protein a; PDBTitle: carbohydrate recognition and neck domains of surfactant protein a (sp-2 a)
62	c3ff8D_	Alignment	not modelled	29.8	16	PDB header: cell adhesion/immune system Chain: D: PDB Molecule: killer cell lectin-like receptor subfamily g member 1; PDBTitle: structure of nk cell receptor klrp1 bound to e-cadherin
63	c3j82A_	Alignment	not modelled	29.3	11	PDB header: membrane protein/adp-binding protein Chain: A: PDB Molecule: c-type lectin domain family 9 member a; PDBTitle: electron cryo-microscopy of dngr-1 in complex with f-actin
64	c3c8jB_	Alignment	not modelled	29.2	11	PDB header: immune system Chain: B: PDB Molecule: natural killer cell receptor ly49c; PDBTitle: the crystal structure of natural killer cell receptor ly49c
65	c4iopA_	Alignment	not modelled	28.8	5	PDB header: immune system Chain: A: PDB Molecule: c-type lectin domain family 2 member a; PDBTitle: crystal structure of nkp65 bound to its ligand kacl
66	c1yewF_	Alignment	not modelled	28.7	41	PDB header: oxidoreductase, membrane protein Chain: F: PDB Molecule: particulate methane monooxygenase, a subunit; PDBTitle: crystal structure of particulate methane monooxygenase
67	c3m9zA_	Alignment	not modelled	28.2	11	PDB header: signaling protein Chain: A: PDB Molecule: killer cell lectin-like receptor subfamily b member 1a; PDBTitle: crystal structure of extracellular domain of mouse nkr-p1a
68	d1ypqa1	Alignment	not modelled	27.7	5	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
69	c3fd4B_	Alignment	not modelled	26.9	15	PDB header: viral protein Chain: B: PDB Molecule: glycoprotein gp42; PDBTitle: crystal structure of epstein-barr virus gp42 protein
70	d1qo3d_	Alignment	not modelled	26.1	5	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
71	c6a7tA_	Alignment	not modelled	25.6	16	PDB header: sugar binding protein Chain: A: PDB Molecule: n-acetylglucosamine-specific lectin; PDBTitle: ca2+-independent c-type lectin spl-1 from saxidomus purpuratus
72	c5j2sA_	Alignment	not modelled	25.6	16	PDB header: immune system Chain: A: PDB Molecule: killer cell lectin-like receptor subfamily b member 1b PDBTitle: nkr-p1b from rattus norvegicus
73	c2nanA_	Alignment	not modelled	25.5	8	PDB header: immune system Chain: A: PDB Molecule: cd302 antigen; PDBTitle: nmr structure of human dcl-1 (cd302) extracellular domain
74	c4kzvB_	Alignment	not modelled	24.1	11	PDB header: carbohydrate-binding protein Chain: B: PDB Molecule: c-type lectin mincle; PDBTitle: structure of the carbohydrate-recognition domain of the c-type lectin2 mincle bound to trehalose
75	c3g8lD_	Alignment	not modelled	24.0	5	PDB header: immune system Chain: D: PDB Molecule: lectin-related nk cell receptor ly49l1; PDBTitle: crystal structure of murine natural killer cell receptor,2 ly49l4
76	d3bdwa1	Alignment	not modelled	23.4	5	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
77	c4iopB_	Alignment	not modelled	23.2	5	PDB header: immune system Chain: B: PDB Molecule: killer cell lectin-like receptor subfamily f member 2; PDBTitle: crystal structure of nkp65 bound to its ligand kacl
78	c3chxF_	Alignment	not modelled	22.7	27	PDB header: membrane protein Chain: F: PDB Molecule: pmoa; PDBTitle: crystal structure of methylosinus trichosporium ob3b particulate2 methane monooxygenase (pmmo)
79	c4yliA_	Alignment	not modelled	21.4	26	PDB header: sugar binding protein Chain: A: PDB Molecule: collectin-11; PDBTitle: cl-k1 trimer
80	c2bpdB_	Alignment	not modelled	20.7	11	PDB header: receptor Chain: B: PDB Molecule: dectin-1; PDBTitle: structure of murine dectin-1
81	d1pwba1	Alignment	not modelled	20.7	21	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
						Fold: C-type lectin-like

82	d1xpha1	Alignment	not modelled	20.1	14	Superfamily: C-type lectin-like Family: C-type lectin domain
83	c3c22B	Alignment	not modelled	19.9	11	PDB header: immune system, sugar binding protein Chain: B: PDB Molecule: c-type lectin domain family 4 member k; PDBTitle: crystal structure of the carbohydrate recognition domain of2 human langerin
84	c3aluA	Alignment	not modelled	19.8	16	PDB header: sugar binding protein Chain: A: PDB Molecule: lectin cel-iv, c-type; PDBTitle: crystal structure of cel-iv complexed with raffinose
85	c1htnA	Alignment	not modelled	19.5	21	PDB header: lectin Chain: A: PDB Molecule: tetranectin; PDBTitle: human tetranectin, a trimeric plasminogen binding protein2 with an alpha-helical coiled coil
86	c2ls8A	Alignment	not modelled	19.1	16	PDB header: immune system Chain: A: PDB Molecule: c-type lectin domain family 4 member d; PDBTitle: solution structure of human c-type lectin domain family 4 member d
87	c3vyjA	Alignment	not modelled	18.7	11	PDB header: carbohydrate binding protein Chain: A: PDB Molecule: c-type lectin domain family 4, member a4; PDBTitle: crystal structure of c-type lectin domain of murine dendritic cell2 inhibitory receptor 2 (apo form)
88	d1dv8a	Alignment	not modelled	18.6	32	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
89	d1tn3a	Alignment	not modelled	18.1	18	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
90	c2e3xB	Alignment	not modelled	17.9	5	PDB header: hydrolase, blood clotting, toxin Chain: B: PDB Molecule: coagulation factor x-activating enzyme light chain 2; PDBTitle: crystal structure of russell's viper venom metalloproteinase
91	d1xara	Alignment	not modelled	17.8	16	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
92	c3vppA	Alignment	not modelled	17.5	11	PDB header: immune system Chain: A: PDB Molecule: c-type lectin domain family 9 member a; PDBTitle: crystal structure of the human clec9a c-type lectin-like domain
93	d2afpa	Alignment	not modelled	15.4	16	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
94	c2h2rB	Alignment	not modelled	15.3	11	PDB header: immune system Chain: B: PDB Molecule: low affinity immunoglobulin epsilon fc receptor (lymphocyte PDBTitle: crystal structure of the human cd23 lectin domain, apo form
95	c3bc6D	Alignment	not modelled	15.1	11	PDB header: immune system Chain: D: PDB Molecule: c-type lectin domain family 4 member k; PDBTitle: the carbohydrate recognition domain of langerin reveals high2 structural similarity with the one of dc-sign but an additional,3 calcium-independent sugar-binding site
96	d1tdqb	Alignment	not modelled	15.0	21	Fold: C-type lectin-like Superfamily: C-type lectin-like Family: C-type lectin domain
97	c4ru5C	Alignment	not modelled	13.6	38	PDB header: lyase Chain: C: PDB Molecule: tailspike gp27; PDBTitle: crystal structure of the pseudomonas phage phi297 tailspike gp61
98	c2ox8A	Alignment	not modelled	13.5	13	PDB header: sugar binding protein Chain: A: PDB Molecule: scavenger receptor with c-type lectin type i; PDBTitle: human scavenger receptor c-type lectin carbohydrate-2 recognition domain.
99	d1px5a2	Alignment	not modelled	13.1	31	Fold: Nucleotidyltransferase Superfamily: Nucleotidyltransferase Family: 2'-5'-oligoadenylate synthetase 1, OAS1, N-terminal domain