
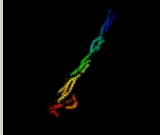




















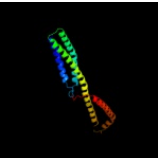
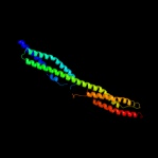
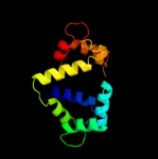


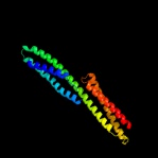

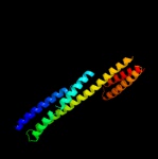
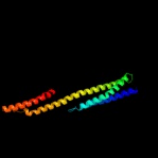


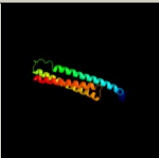
Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	Q21408
Date	Sat Apr 13 12:50:02 BST 2013
Unique Job ID	57539a1906360a68

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1sjjB_	 Alignment		100.0	30	PDB header: contractile protein Chain: B: PDB Molecule: actinin; PDBTitle: cryo-em structure of chicken gizzard smooth muscle alpha-2 actinin
2	c1hciB_	 Alignment		99.9	25	PDB header: triple-helix coiled coil Chain: B: PDB Molecule: alpha-actinin 2; PDBTitle: crystal structure of the rod domain of alpha-actinin
3	c3edvB_	 Alignment		99.9	19	PDB header: structural protein Chain: B: PDB Molecule: spectrin beta chain, brain 1; PDBTitle: crystal structure of repeats 14-16 of beta2-spectrin
4	c1u4qB_	 Alignment		99.9	26	PDB header: structural protein Chain: B: PDB Molecule: spectrin alpha chain, brain; PDBTitle: crystal structure of repeats 15, 16 and 17 of chicken brain2 alpha spectrin
5	c3kbtA_	 Alignment		99.8	29	PDB header: structural protein Chain: A: PDB Molecule: spectrin beta chain, erythrocyte; PDBTitle: crystal structure of the ankyrin binding domain of human erythroid2 beta spectrin (repeats 13-15) in complex with the spectrin binding3 domain of human erythroid ankyrin (zu5-ank)
6	d1h8ba_	 Alignment		99.7	40	Fold: EF Hand-like Superfamily: EF-hand Family: EF-hand modules in multidomain proteins
7	c1cunC_	 Alignment		99.6	28	PDB header: structural protein Chain: C: PDB Molecule: protein (alpha spectrin); PDBTitle: crystal structure of repeats 16 and 17 of chicken brain2 alpha spectrin
8	c1u5pA_	 Alignment		99.6	33	PDB header: structural protein Chain: A: PDB Molecule: spectrin alpha chain, brain; PDBTitle: crystal structure of repeats 15 and 16 of chicken brain2 alpha spectrin
9	c1s35A_	 Alignment		99.6	20	PDB header: structural protein Chain: A: PDB Molecule: spectrin beta chain, erythrocyte; PDBTitle: crystal structure of repeats 8 and 9 of human erythroid2 spectrin
10	c3evrA_	 Alignment		99.5	32	PDB header: signaling protein Chain: A: PDB Molecule: myosin light chain kinase, green fluorescent PDBTitle: crystal structure of calcium bound monomeric gcamp2
11	c3fb2B_	 Alignment		99.5	21	PDB header: structural protein Chain: B: PDB Molecule: spectrin alpha chain, brain spectrin; PDBTitle: crystal structure of the human brain alpha spectrin repeats2 15 and 16. northeast structural genomics consortium target3 hr5563a.

12	c3pe0B_	Alignment		99.5	19	PDB header: structural protein Chain: B: PDB Molecule: plectin; PDBTitle: structure of the central region of the plakin domain of plectin
13	c1quuA_	Alignment		99.5	30	PDB header: contractile protein Chain: A: PDB Molecule: human skeletal muscle alpha-actinin 2; PDBTitle: crystal structure of two central spectrin-like repeats from2 alpha-actinin
14	c3ek7A_	Alignment		99.4	32	PDB header: fluorescent protein Chain: A: PDB Molecule: myosin light chain kinase, green fluorescent protein, PDBTitle: calcium-saturated gcamp2 dimer
15	c3u0kA_	Alignment		99.4	33	PDB header: fluorescent protein Chain: A: PDB Molecule: rcamp; PDBTitle: crystal structure of the genetically encoded calcium indicator rcamp
16	d1ij5a_	Alignment		99.4	15	Fold: EF Hand-like Superfamily: EF-hand Family: Cbp40 (plasmodial specific CalI-binding protein LAV1-2)
17	c3pdyB_	Alignment		99.4	18	PDB header: structural protein Chain: B: PDB Molecule: plectin; PDBTitle: structure of the third and fourth spectrin repeats of the plakin2 domain of plectin
18	c3sibA_	Alignment		99.4	16	PDB header: dna binding protein Chain: A: PDB Molecule: ure3-bp sequence specific dna binding protein; PDBTitle: crystal structure of ure3-binding protein, wild-type
19	c3f57B_	Alignment		99.4	33	PDB header: structural protein Chain: B: PDB Molecule: spectrin beta chain, erythrocyte; PDBTitle: crystal structure of the erythrocyte beta spectrin repeats 14 and 152 (ankyrin binding domain)
20	c3lxbB_	Alignment		99.3	21	PDB header: structural protein Chain: B: PDB Molecule: spectrin beta chain, erythrocyte; PDBTitle: crystal structure of the erythrocyte spectrin tetramerization domain2 complex
21	d2mysb_	Alignment	not modelled	99.3	18	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
22	d1wdcc_	Alignment	not modelled	99.3	19	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
23	c2odvA_	Alignment	not modelled	99.3	14	PDB header: structural protein Chain: A: PDB Molecule: plectin 1; PDBTitle: crystal structure of a fragment of the plakin domain of plectin, cys2 to ala mutant.
24	d1kfus_	Alignment	not modelled	99.2	18	Fold: EF Hand-like Superfamily: EF-hand Family: Penta-EF-hand proteins
25	d1wdcb_	Alignment	not modelled	99.2	18	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
26	c2iakA_	Alignment	not modelled	99.2	14	PDB header: cell adhesion Chain: A: PDB Molecule: bullous pemphigoid antigen 1, isoform 5; PDBTitle: crystal structure of a protease resistant fragment of the plakin2 domain of bullous pemphigoid antigen1 (bpag1)
27	c2ekwC_	Alignment	not modelled	99.2	18	PDB header: contractile protein Chain: C: PDB Molecule: myosin catalytic light chain lc-1, mantle muscle; PDBTitle: the crystal structure of squid myosin s1 in the presence of2 so4 2-
28	d2zfa1	Alignment	not modelled	99.1	16	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
						PDB header: signaling protein/transferase

29	c2zfdA_	Alignment	not modelled	99.1	16	Chain: A; PDB Molecule: calcineurin b-like protein 2; PDBTitle: the crystal structure of plant specific calcium binding protein atcb122 in complex with the regulatory domain of atc1pk14
30	c2becA_	Alignment	not modelled	99.1	21	PDB header: metal binding protein/transport protein Chain: A; PDB Molecule: calcineurin b homologous protein 2; PDBTitle: crystal structure of chp2 in complex with its binding2 region in nhe1 and insights into the mechanism of ph3 regulation
31	c2doqA_	Alignment	not modelled	99.1	24	PDB header: cell cycle Chain: A; PDB Molecule: cell division control protein 31; PDBTitle: crystal structure of sfi1p/cdc31p complex
32	d2opoa1	Alignment	not modelled	99.1	20	Fold: EF Hand-like Superfamily: EF-hand Family: Polcalcin
33	c2g2bA_	Alignment	not modelled	99.1	15	PDB header: immune system Chain: A; PDB Molecule: allograft inflammatory factor 1; PDBTitle: nmr structure of the human allograft inflammatory factor 1
34	d1jbaa_	Alignment	not modelled	99.1	19	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
35	d1ap4a_	Alignment	not modelled	99.1	24	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
36	d1lkja_	Alignment	not modelled	99.1	26	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
37	c2ktgA_	Alignment	not modelled	99.1	20	PDB header: ca-binding protein Chain: A; PDB Molecule: calmodulin, putative; PDBTitle: calmodulin like protein from entamoeba histolytica: solution structure2 and calcium binding properties of a partially folded protein
38	c2k7bA_	Alignment	not modelled	99.1	26	PDB header: metal binding protein Chain: A; PDB Molecule: calcium-binding protein 1; PDBTitle: nmr structure of mg2+-bound cabp1 n-domain
39	c2lv7A_	Alignment	not modelled	99.0	28	PDB header: metal binding protein Chain: A; PDB Molecule: calcium-binding protein 7; PDBTitle: solution structure of ca2+-bound cabp7 n-terminal doman
40	c2aaoA_	Alignment	not modelled	99.0	23	PDB header: transferase Chain: A; PDB Molecule: calcium-dependent protein kinase, isoform ak1; PDBTitle: regulatory apparatus of calcium dependent protein kinase from2 arabidopsis thaliana
41	c3h4sE_	Alignment	not modelled	99.0	17	PDB header: motor protein/calcium binding protein Chain: E; PDB Molecule: kcbp interacting ca2+-binding protein; PDBTitle: structure of the complex of a mitotic kinesin with its2 calcium binding regulator
42	c2vtgA_	Alignment	not modelled	99.0	19	PDB header: metal-binding protein Chain: A; PDB Molecule: ionized calcium-binding adapter molecule 2; PDBTitle: crystal structure of human iba2, trigonal crystal form
43	c2amiA_	Alignment	not modelled	99.0	27	PDB header: cell cycle Chain: A; PDB Molecule: caltractin; PDBTitle: solution structure of the calcium-loaded n-terminal sensor2 domain of centrin
44	d1np8a_	Alignment	not modelled	99.0	15	Fold: EF Hand-like Superfamily: EF-hand Family: Penta-EF-hand proteins
45	d1wrka1	Alignment	not modelled	99.0	26	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
46	d2sasa_	Alignment	not modelled	99.0	17	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
47	c2aucC_	Alignment	not modelled	99.0	19	PDB header: membrane protein Chain: C; PDB Molecule: myosin a tail interacting protein; PDBTitle: structure of the plasmodium mtip-myoa complex, a key component of the2 parasite invasion motor
48	c3mseB_	Alignment	not modelled	99.0	20	PDB header: transferase Chain: B; PDB Molecule: calcium-dependent protein kinase, putative; PDBTitle: crystal structure of c-terminal domain of pf110239.
49	d1zaca_	Alignment	not modelled	99.0	28	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
50	c1npgA_	Alignment	not modelled	99.0	28	PDB header: structural protein Chain: A; PDB Molecule: troponin c; PDBTitle: structure of a rhodamine-labeled n-domain troponin c mutant2 (ca2+ saturated) in complex with skeletal troponin i 115-3 131
51	d1n0ya_	Alignment	not modelled	99.0	27	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
52	c3f31B_	Alignment		99.0	57	PDB header: actin binding, structural protein Chain: B; PDB Molecule: spectrin alpha chain, brain; PDBTitle: crystal structure of the n-terminal region of alpha-i-spectrin2 tetramerization domain
53	d1owaa_	Alignment	not modelled	99.0	40	Fold: Spectrin repeat-like Superfamily: Spectrin repeat Family: Spectrin repeat PDB header: structural protein

54	c1zmzA	Alignment	not modelled	99.0	25	Chain: A; PDB Molecule: centrin-2; PDBTitle: solution structure of the n-terminal domain (m1-s98) of2 human centrin 2
55	d1sw8a	Alignment	not modelled	99.0	30	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
56	d1dtla	Alignment	not modelled	99.0	26	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
57	d1lavsa	Alignment	not modelled	99.0	26	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
58	c2d58A	Alignment	not modelled	99.0	19	PDB header: metal binding protein Chain: A; PDB Molecule: allograft inflammatory factor 1; PDBTitle: human microglia-specific protein iba1
59	c3cs1A	Alignment	not modelled	99.0	20	PDB header: metal binding protein Chain: A; PDB Molecule: flagellar calcium-binding protein; PDBTitle: flagellar calcium-binding protein (fcabp) from t. cruzi
60	d1alva	Alignment	not modelled	99.0	18	Fold: EF Hand-like Superfamily: EF-hand Family: Penta-EF-hand proteins
61	c3j04E	Alignment	not modelled	99.0	18	PDB header: structural protein Chain: E; PDB Molecule: myosin regulatory light chain 2, smooth muscle major PDBTitle: em structure of the heavy meromyosin subfragment of chick smooth2 muscle myosin with regulatory light chain in phosphorylated state
62	c3e3rB	Alignment	not modelled	99.0	20	PDB header: calcium binding protein Chain: B; PDB Molecule: calcyphosin; PDBTitle: crystal structure and biochemical characterization of recombinant2 human calcyphosine delineates a novel ef-hand-containing protein3 family
63	d1h4ba	Alignment	not modelled	99.0	20	Fold: EF Hand-like Superfamily: EF-hand Family: Polcalcin
64	c2bl0C	Alignment	not modelled	99.0	22	PDB header: muscle protein Chain: C; PDB Molecule: myosin regulatory light chain; PDBTitle: physarum polycephalum myosin ii regulatory domain
65	c2l2eA	Alignment	not modelled	99.0	16	PDB header: metal binding protein Chain: A; PDB Molecule: calcium-binding protein ncs-1; PDBTitle: solution nmr structure of myristoylated ncs1p in apo form
66	c2oy6B	Alignment	not modelled	98.9	17	PDB header: contractile protein Chain: B; PDB Molecule: myosin regulatory light chain lc-2; PDBTitle: crystal structure of squid mg.adp myosin s1
67	c3l19B	Alignment	not modelled	98.9	24	PDB header: transferase Chain: B; PDB Molecule: calcium/calmodulin dependent protein kinase with a kinase PDBTitle: crystal structure of calcium binding domain of cpdcpk3, cgd5_820
68	d1tn4a	Alignment	not modelled	98.9	28	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
69	d1jf0a	Alignment	not modelled	98.9	13	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
70	d1r2ua	Alignment	not modelled	98.9	23	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
71	d1topa	Alignment	not modelled	98.9	25	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
72	d1df0a1	Alignment	not modelled	98.9	17	Fold: EF Hand-like Superfamily: EF-hand Family: Penta-EF-hand proteins
73	c3q5iA	Alignment	not modelled	98.9	22	PDB header: transferase Chain: A; PDB Molecule: protein kinase; PDBTitle: crystal structure of pbanka_031420
74	c2jnfA	Alignment	not modelled	98.9	23	PDB header: metal binding protein Chain: A; PDB Molecule: troponin c; PDBTitle: solution structure of fly troponin c, isoform f1
75	c3k21A	Alignment	not modelled	98.9	22	PDB header: transferase Chain: A; PDB Molecule: calcium-dependent protein kinase 3; PDBTitle: crystal structure of carboxy-terminus of pfc0420w.
76	d1s6ca	Alignment	not modelled	98.9	15	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
77	d2obha1	Alignment	not modelled	98.9	26	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
78	d1hcia4	Alignment	not modelled	98.9	29	Fold: Spectrin repeat-like Superfamily: Spectrin repeat Family: Spectrin repeat
79	c3lijA	Alignment	not modelled	98.9	23	PDB header: transferase Chain: A; PDB Molecule: calcium/calmodulin dependent protein kinase with PDBTitle: crystal structure of full length cpdcpk3 (cgd5_820) in2 complex with ca2+ and amppnp PDB header: signalling protein/transferase

80	c2ehbA	Alignment	not modelled	98.9	17	Chain: A: PDB Molecule: calcalcineurin b-like protein 4; PDBTitle: the structure of the c-terminal domain of the protein kinase atos22 bound to the calcium sensor atos3
81	c3ox6C	Alignment	not modelled	98.9	25	PDB header: calcium binding protein Chain: C: PDB Molecule: calcium-binding protein 1; PDBTitle: crystal structure of the calcium sensor calcium-binding protein 12 (cabp1)
82	c2kn2A	Alignment	not modelled	98.9	22	PDB header: metal binding protein Chain: A: PDB Molecule: calmodulin; PDBTitle: solution structure of the c-terminal domain of soybean calmodulin2 isoform 4 fused with the calmodulin-binding domain of ntmkp1
83	d1ggwa	Alignment	not modelled	98.9	19	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
84	c3a8rB	Alignment	not modelled	98.9	19	PDB header: calcium binding protein Chain: B: PDB Molecule: putative uncharacterized protein; PDBTitle: the structure of the n-terminal regulatory domain of a plant nadph2 oxidase
85	d1dvia	Alignment	not modelled	98.9	15	Fold: EF Hand-like Superfamily: EF-hand Family: Penta-EF-hand proteins
86	c2ggmA	Alignment	not modelled	98.9	25	PDB header: cell cycle Chain: A: PDB Molecule: centrin-2; PDBTitle: human centrin 2 xeroderma pigmentosum group c protein2 complex
87	c2lhiA	Alignment	not modelled	98.9	26	PDB header: metal binding protein Chain: A: PDB Molecule: calmodulin, serine/threonine-protein phosphatase 2b PDBTitle: solution structure of ca2+/cna1 peptide-bound ycam
88	d1sl8a	Alignment	not modelled	98.9	13	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
89	d1fpwa	Alignment	not modelled	98.9	15	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
90	d1rfja	Alignment	not modelled	98.8	29	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
91	c3dtpF	Alignment	not modelled	98.8	15	PDB header: contractile protein Chain: F: PDB Molecule: myosin regulatory light chain; PDBTitle: tarantula heavy meromyosin obtained by flexible docking to2 tarantula muscle thick filament cryo-em 3d-map
92	c2jojA	Alignment	not modelled	98.8	32	PDB header: cell cycle Chain: A: PDB Molecule: centrin protein; PDBTitle: nmr solution structure of n-terminal domain of euplotes2 octocarinatus centrin
93	c1s1eA	Alignment	not modelled	98.8	17	PDB header: transport protein Chain: A: PDB Molecule: kv channel interacting protein 1; PDBTitle: crystal structure of kv channel-interacting protein 12 (kchip-1)
94	c3tz1A	Alignment	not modelled	98.8	29	PDB header: contractile protein Chain: A: PDB Molecule: troponin c; PDBTitle: crystal structure of the ca2+-saturated c-terminal domain of akazara2 scallop troponin c in complex with a troponin i fragment
95	d1f54a	Alignment	not modelled	98.8	26	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
96	c2fcdA	Alignment	not modelled	98.8	24	PDB header: cell cycle Chain: A: PDB Molecule: myosin light chain 1; PDBTitle: solution structure of n-lobe myosin light chain from2 saccharomices cerevisiae
97	d1qxpA2	Alignment	not modelled	98.8	20	Fold: EF Hand-like Superfamily: EF-hand Family: Penta-EF-hand proteins
98	c2hpkA	Alignment	not modelled	98.8	12	PDB header: luminescent protein Chain: A: PDB Molecule: photoprotein berovin; PDBTitle: crystal structure of photoprotein berovin from beroe2 abyssicola
99	c2lmtA	Alignment	not modelled	98.8	28	PDB header: metal binding protein Chain: A: PDB Molecule: calmodulin-related protein 97a; PDBTitle: nmr structure of androcama
100	d1s6ia	Alignment	not modelled	98.8	24	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
101	d1sl7a	Alignment	not modelled	98.8	14	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
102	d1k94a	Alignment	not modelled	98.8	14	Fold: EF Hand-like Superfamily: EF-hand Family: Penta-EF-hand proteins
103	d1kful1	Alignment	not modelled	98.8	15	Fold: EF Hand-like Superfamily: EF-hand Family: Penta-EF-hand proteins
104	d1qv0a	Alignment	not modelled	98.8	15	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
105	d1gjya	Alignment	not modelled	98.8	17	Fold: EF Hand-like Superfamily: EF-hand Family: Penta-EF-hand proteins
106	c1kfxL	Alignment	not modelled	98.8	14	PDB header: hydrolase Chain: L: PDB Molecule: m-calpain large subunit; PDBTitle: crystal structure of human m-calpain form i

107	d2o5ga1	Alignment	not modelled	98.8	33	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
108	d1k9ua_	Alignment	not modelled	98.8	24	Fold: EF Hand-like Superfamily: EF-hand Family: Polcalcin
109	d2pq3a1	Alignment	not modelled	98.8	29	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
110	c1fi5A_	Alignment	not modelled	98.8	32	PDB header: contractile protein Chain: A; PDB Molecule: protein (troponin c); PDBTitle: nmr structure of the c terminal domain of cardiac troponin2 c bound to the n terminal domain of cardiac troponin i.
111	d1fi5a_	Alignment	not modelled	98.8	32	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
112	c2hq8B_	Alignment	not modelled	98.8	15	PDB header: structural genomics, unknown function Chain: B; PDB Molecule: coelenterazine-binding protein ca-bound apo form; PDBTitle: crystal structure of coelenterazine-binding protein from2 renilla muelleri in the ca loaded apo form
113	d1cmga_	Alignment	not modelled	98.8	26	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
114	c2a4jA_	Alignment	not modelled	98.7	32	PDB header: structural protein Chain: A; PDB Molecule: centrin 2; PDBTitle: solution structure of the c-terminal domain (t94-y172) of2 the human centrin 2 in complex with a 17 residues peptide3 (p1-xpc) from xeroderma pigmentosum group c protein
115	c1sbjA_	Alignment	not modelled	98.7	32	PDB header: contractile protein, structural protein Chain: A; PDB Molecule: troponin c, slow skeletal and cardiac muscles; PDBTitle: nmr structure of the mg2+-loaded c terminal domain of2 cardiac troponin c bound to the n terminal domain of3 cardiac troponin i
116	c2ju1A_	Alignment	not modelled	98.7	18	PDB header: dna binding protein Chain: A; PDB Molecule: calsenilin; PDBTitle: nmr structure of dream
117	c1scvA_	Alignment	not modelled	98.7	32	PDB header: contractile protein, structural protein Chain: A; PDB Molecule: troponin c, slow skeletal and cardiac muscles; PDBTitle: nmr structure of the c terminal domain of cardiac troponin2 c bound to the n terminal domain of cardiac troponin i
118	c2f33A_	Alignment	not modelled	98.7	18	PDB header: metal binding protein Chain: A; PDB Molecule: calbindin; PDBTitle: nmr solution structure of ca2+-loaded calbindin d28k
119	c2k7cA_	Alignment	not modelled	98.7	28	PDB header: metal binding protein Chain: A; PDB Molecule: calcium-binding protein 1; PDBTitle: nmr structure of mg2+-bound cabp1 c-domain
120	c1juoB_	Alignment	not modelled	98.7	14	PDB header: metal transport Chain: B; PDB Molecule: sorcin; PDBTitle: crystal structure of calcium-free human sorcin: a member of2 the penta-ef-hand protein family