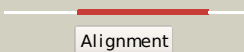
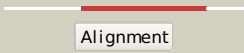
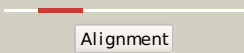
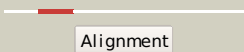
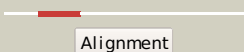
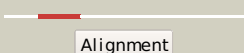
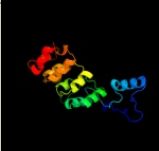
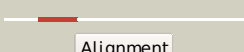
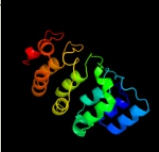
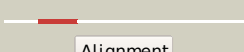
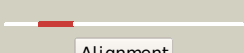
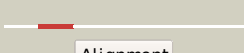


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2f6hX_	 Alignment		100.0	18	PDB header: structural protein Chain: X: PDB Molecule: myosin-2; PDBTitle: myosin v cargo binding domain
2	c3mmiB_	 Alignment		100.0	22	PDB header: motor protein Chain: B: PDB Molecule: myosin-4; PDBTitle: crystal structure of the globular tail of myo4p
3	c3jueA_	 Alignment		98.9	17	PDB header: protein transport/endocytosis Chain: A: PDB Molecule: arfgap with coiled-coil, ank repeat and ph domain- PDBTitle: crystal structure of arfgap and ank repeat domain of acap1
4	c1ycsB_	 Alignment		98.8	20	PDB header: complex (anti-oncogene/ankyrin repeats) Chain: B: PDB Molecule: 53bp2; PDBTitle: p53-53bp2 complex
5	c2b0oF_	 Alignment		98.5	17	PDB header: metal binding protein Chain: F: PDB Molecule: uplc1; PDBTitle: crystal structure of uplc1 gap domain
6	c1dcqA_	 Alignment		98.5	15	PDB header: metal binding protein Chain: A: PDB Molecule: pyk2-associated protein beta; PDBTitle: crystal structure of the arf-gap domain and ankyrin repeats2 of papbeta.
7	c3lvrE_	 Alignment		98.3	18	PDB header: protein transport Chain: E: PDB Molecule: arf-gap with sh3 domain, ank repeat and ph domain- PDBTitle: the crystal structure of asap3 in complex with arf6 in transition2 state soaked with calcium
8	c1sw6A_	 Alignment		98.2	20	PDB header: transcription regulation Chain: A: PDB Molecule: regulatory protein swi6; PDBTitle: s. cerevisiae swi6 ankyrin-repeat fragment
9	d1sw6a_	 Alignment		98.2	20	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
10	c3keaB_	 Alignment		98.0	16	PDB header: viral protein Chain: B: PDB Molecule: k11; PDBTitle: structure function studies of vaccinia virus host-range protein k12 reveal a novel ankyrin repeat interaction surface for k1s function
11	d1n11a_	 Alignment		97.9	12	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat

12	c1n11A_	Alignment		97.9	12	PDB header: structural protein Chain: A: PDB Molecule: ankyrin; PDBTitle: d34 region of human ankyrin-r and linker
13	c3ui2A_	Alignment		97.9	21	PDB header: transport protein Chain: A: PDB Molecule: signal recognition particle 43 kda protein, chloroplastic; PDBTitle: crystal structure of the cpsrp54 tail bound to cpsrp43
14	d1s70b_	Alignment		97.9	21	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
15	d1dcqa1	Alignment		97.8	15	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
16	c3ehrB_	Alignment		97.8	15	PDB header: signaling protein Chain: B: PDB Molecule: osteoclast-stimulating factor 1; PDBTitle: crystal structure of human osteoclast stimulating factor
17	c3utmA_	Alignment		97.7	21	PDB header: transferase/signaling protein Chain: A: PDB Molecule: tankyrase-1; PDBTitle: crystal structure of a mouse tankyrase-axin complex
18	d2ajaa1	Alignment		97.5	6	Fold: alpha-alpha superhelix Superfamily: Pseudo ankyrin repeat-like Family: Pseudo ankyrin repeat
19	c3deoA_	Alignment		97.5	20	PDB header: protein transport, membrane protein Chain: A: PDB Molecule: signal recognition particle 43 kda protein; PDBTitle: structural basis for specific substrate recognition by the2 chloroplast signal recognition particle protein cpsrp43
20	c2vgeA_	Alignment		97.3	20	PDB header: transcription Chain: A: PDB Molecule: rela-associated inhibitor; PDBTitle: crystal structure of the c-terminal region of human iaspp
21	c2ajaA_	Alignment	not modelled	97.2	6	PDB header: protein binding Chain: A: PDB Molecule: ankyrin repeat family protein; PDBTitle: x-ray structure of an ankyrin repeat family protein q5zsv02 from legionella pneumophila. northeast structural genomics3 consortium target lgr21.
22	d1ycsb1	Alignment	not modelled	97.0	24	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
23	d1ot8a_	Alignment	not modelled	96.9	28	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
24	d1wdya_	Alignment	not modelled	96.9	13	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
25	c3ljnA_	Alignment	not modelled	96.9	11	PDB header: unknown function Chain: A: PDB Molecule: hypothetical protein; PDBTitle: ankyrin repeat protein from leishmania major
26	c2zgdA_	Alignment	not modelled	96.9	20	PDB header: de novo protein Chain: A: PDB Molecule: 3 repeat synthetic ankyrin; PDBTitle: asn-hydroxylation stabilises the ankyrin repeat domain fold
27	d1uoha_	Alignment	not modelled	96.6	17	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
28	c3d9hA_	Alignment	not modelled	96.5	8	PDB header: structural protein, protein binding Chain: A: PDB Molecule: cdna flj77766, highly similar to homo sapiens PDBTitle: crystal structure of the splice variant of human asb92 (hasb9-2), an ankyrin repeat protein

29	c3t8kB_	Alignment	not modelled	96.3	9	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: the crystal structure of a functionally unknown protein lebu_0176 from2 leptotrichia buccalis c-1013-b
30	d2fo1e1	Alignment	not modelled	96.3	13	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
31	d1ixva_	Alignment	not modelled	96.2	25	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
32	c2xaiD_	Alignment	not modelled	96.2	10	PDB header: transcription Chain: D: PDB Molecule: ankyrin repeat and socs box protein 9; PDBTitle: crystal structure of ankyrin repeat and socs box-containing2 protein 9 (asb9) in complex with elonginb and elonginc
33	c2fo1E_	Alignment	not modelled	96.0	13	PDB header: gene regulation/signalling protein/dna Chain: E: PDB Molecule: lin-12 protein; PDBTitle: crystal structure of the csl-notch-mastermind ternary2 complex bound to dna
34	d1k1aa_	Alignment	not modelled	95.9	10	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
35	c2xenA_	Alignment	not modelled	95.9	24	PDB header: de novo protein Chain: A: PDB Molecule: ni1c mut4; PDBTitle: structural determinants for improved thermal stability of2 designed ankyrin repeat proteins with a redesigned c-3 capping module.
36	c2l6bA_	Alignment	not modelled	95.8	20	PDB header: de novo protein Chain: A: PDB Molecule: nr1c; PDBTitle: nrc consensus ankyrin repeat protein solution structure
37	d1myoa_	Alignment	not modelled	95.7	18	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
38	d1iknd_	Alignment	not modelled	95.7	13	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
39	c1ympA_	Alignment	not modelled	95.6	14	PDB header: transcription Chain: A: PDB Molecule: notch 1 protein; PDBTitle: the crystal structure of a partial mouse notch-1 ankyrin2 domain: repeats 4 through 7 preserve an ankyrin fold
40	c1ympB_	Alignment	not modelled	95.6	14	PDB header: transcription Chain: B: PDB Molecule: notch 1 protein; PDBTitle: the crystal structure of a partial mouse notch-1 ankyrin2 domain: repeats 4 through 7 preserve an ankyrin fold
41	c1n0qB_	Alignment	not modelled	95.3	23	PDB header: structural protein Chain: B: PDB Molecule: 3 ankyrin repeats; PDBTitle: 3ank: a designed ankyrin repeat protein with three identical consensus2 repeats
42	c3jxiA_	Alignment	not modelled	95.2	12	PDB header: membrane protein Chain: A: PDB Molecule: vanilloid receptor-related osmotically activated channel PDBTitle: crystal structure of the chicken trpv4 ankyrin repeat domain
43	c2f8xK_	Alignment	not modelled	95.1	10	PDB header: transcription/dna Chain: K: PDB Molecule: neurogenic locus notch homolog protein 1; PDBTitle: crystal structure of activated notch, csl and mam1 on hes-12 promoter dna sequence
44	c2f37B_	Alignment	not modelled	95.0	6	PDB header: membrane protein Chain: B: PDB Molecule: transient receptor potential cation channel PDBTitle: crystal structure of the ankyrin repeat domain of human2 trpv2
45	c1oy3D_	Alignment	not modelled	94.7	18	PDB header: dna binding protein Chain: D: PDB Molecule: transcription factor inhibitor i-kappa-b-beta; PDBTitle: crystal structure of an ikkbeta/nf-kb p65 homodimer complex
46	d1oy3d_	Alignment	not modelled	94.7	18	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
47	c3c5rB_	Alignment	not modelled	94.7	19	PDB header: protein binding Chain: B: PDB Molecule: brca1-associated ring domain protein 1; PDBTitle: crystal structure of the bard1 ankyrin repeat domain and its2 functional consequences
48	c3eu9B_	Alignment	not modelled	94.7	9	PDB header: protein binding, methyl-lysine-binding p Chain: B: PDB Molecule: huntingtin-interacting protein 14; PDBTitle: the ankyrin repeat domain of huntingtin interacting protein 14
49	c3b7bB_	Alignment	not modelled	94.3	11	PDB header: transferase Chain: B: PDB Molecule: euchromatic histone-lysine n-methyltransferase 1; PDBTitle: euhmt1 (glp) ankyrin repeat domain (structure 1)
50	c2nyjA_	Alignment	not modelled	94.0	10	PDB header: transport protein Chain: A: PDB Molecule: transient receptor potential cation channel PDBTitle: crystal structure of the ankyrin repeat domain of trpv1
51	c2rfaA_	Alignment	not modelled	94.0	12	PDB header: membrane protein Chain: A: PDB Molecule: transient receptor potential cation channel subfamily v PDBTitle: crystal structure of the mouse trpv6 ankyrin repeat domain
52	c2v5qC_	Alignment	not modelled	93.8	20	PDB header: transferase Chain: C: PDB Molecule: design ankyrin repeat protein; PDBTitle: crystal structure of wild-type plk-1 kinase domain in2 complex with a selective darpin
53	c2kbxA_	Alignment	not modelled	93.4	16	PDB header: cell adhesion Chain: A: PDB Molecule: integrin-linked protein kinase; PDBTitle: solution structure of ilk-pinch complex

54	d1blxb	Alignment	not modelled	92.8	23	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
55	c3hraA	Alignment	not modelled	92.3	15	PDB header: structural protein Chain: A: PDB Molecule: ankyrin repeat family protein; PDBTitle: crystal structure of ef0377 an ankyrin repeat protein
56	c1n0rA	Alignment	not modelled	91.9	22	PDB header: structural protein Chain: A: PDB Molecule: 4 ankyrin repeats; PDBTitle: 4ank: a designed ankyrin repeat protein with four identical2 consensus repeats
57	d1ihba	Alignment	not modelled	90.9	18	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
58	c3v30A	Alignment	not modelled	90.6	17	PDB header: protein binding Chain: A: PDB Molecule: dna-binding protein rfxank; PDBTitle: crystal structure of the peptide bound complex of the ankyrin repeat2 domains of human rfxank
59	c2rfmB	Alignment	not modelled	89.2	11	PDB header: protein binding Chain: B: PDB Molecule: putative ankyrin repeat protein tv1425; PDBTitle: structure of a thermophilic ankyrin repeat protein
60	d1bi7b	Alignment	not modelled	87.2	11	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
61	c3twD	Alignment	not modelled	86.4	9	PDB header: signaling protein/peptide Chain: D: PDB Molecule: tankyrase-2; PDBTitle: crystal structure of arc4 from human tankyrase 2 in complex with2 peptide from human mcl1 (chimeric peptide)
62	d1bd8a	Alignment	not modelled	86.1	13	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
63	c2jabC	Alignment	not modelled	84.5	23	PDB header: de novo protein Chain: C: PDB Molecule: h10-2-g3; PDBTitle: a designed ankyrin repeat protein evolved to picomolar2 affinity to her2
64	c2l1lB	Alignment	not modelled	82.2	14	PDB header: nuclear protein Chain: B: PDB Molecule: exportin-1; PDBTitle: nmr solution structure of the phi0 pki nes peptide in complex with2 crml1-rangtp
65	d2a5ea	Alignment	not modelled	74.0	17	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
66	d1awcb	Alignment	not modelled	70.8	17	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
67	c3ebcA	Alignment	not modelled	57.4	30	PDB header: hydrolase/dna Chain: A: PDB Molecule: type-2 restriction enzyme hincii; PDBTitle: structure of n141a hincii with cognate dna
68	d1bx3a1	Alignment	not modelled	53.4	30	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like Family: Restriction endonuclease HincII
69	c3fd9C	Alignment	not modelled	41.0	25	PDB header: unknown function Chain: C: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the transcriptional anti-activator exsd2 from pseudomonas aeruginosa
70	c2kuaA	Alignment	not modelled	31.7	15	PDB header: apoptosis Chain: A: PDB Molecule: bcl-2-like protein 10; PDBTitle: solution structure of a divergent bcl-2 protein
71	d1avca1	Alignment	not modelled	29.8	11	Fold: Annexin Superfamily: Annexin Family: Annexin
72	c2a2fX	Alignment	not modelled	26.3	16	PDB header: protein transport Chain: X: PDB Molecule: exocyst complex component sec15; PDBTitle: crystal structure of sec15 c-terminal domain
73	d1alaa	Alignment	not modelled	26.0	8	Fold: Annexin Superfamily: Annexin Family: Annexin
74	c2pjwH	Alignment	not modelled	25.7	20	PDB header: endocytosis/exocytosis Chain: H: PDB Molecule: uncharacterized protein yhl002w; PDBTitle: the vps27/hse1 complex is a gat domain-based scaffold for2 ubiquitin-dependent sorting
75	c2l4wA	Alignment	not modelled	21.7	27	PDB header: protein transport Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: nmr structure of the xanthomonas virb7
76	d1m9ia1	Alignment	not modelled	20.3	8	Fold: Annexin Superfamily: Annexin Family: Annexin
77	d1omwg	Alignment	not modelled	19.3	26	Fold: Non-globular all-alpha subunits of globular proteins Superfamily: Transducin (heterotrimeric G protein), gamma chain Family: Transducin (heterotrimeric G protein), gamma chain
78	d2dsya1	Alignment	not modelled	19.0	35	Fold: TTHA1013/TTHA0281-like Superfamily: TTHA1013/TTHA0281-like Family: TTHA0281-like
79	d1m9ia2	Alignment	not modelled	18.1	15	Fold: Annexin Superfamily: Annexin Family: Annexin
80	c3d1dC	Alignment	not modelled	17.0	25	PDB header: nuclear protein Chain: C: PDB Molecule: rna-induced transcriptional silencing complex PDBTitle: hexagonal crystal structure of tas3 c-terminal alpha motif

81	dlhvda_	Alignment	not modelled	16.8	17	Fold: Annexin Superfamily: Annexin Family: Annexin
82	c3k1tA_	Alignment	not modelled	16.6	21	PDB header: ligase Chain: A: PDB Molecule: glutamate--cysteine ligase gsha; PDBTitle: crystal structure of putative gamma-glutamylcysteine synthetase2 (yp_546622.1) from methylobacillus flagellatus kt at 1.90 a3 resolution
83	dlmcxa_	Alignment	not modelled	16.3	20	Fold: Annexin Superfamily: Annexin Family: Annexin
84	c2kngA_	Alignment	not modelled	15.9	19	PDB header: dna binding protein Chain: A: PDB Molecule: protein lsr2; PDBTitle: solution structure of c-domain of lsr2
85	dli4aa_	Alignment	not modelled	15.9	15	Fold: Annexin Superfamily: Annexin Family: Annexin
86	d3cx5a2	Alignment	not modelled	15.8	19	Fold: LuxS/MPP-like metallohydrolase Superfamily: LuxS/MPP-like metallohydrolase Family: MPP-like
87	d2ie7a1	Alignment	not modelled	15.7	17	Fold: Annexin Superfamily: Annexin Family: Annexin
88	dlaina_	Alignment	not modelled	15.2	15	Fold: Annexin Superfamily: Annexin Family: Annexin
89	clavcA_	Alignment	not modelled	14.9	11	PDB header: calcium/phospholipid-binding protein Chain: A: PDB Molecule: annexin vi; PDBTitle: bovine annexin vi (calcium-bound)
90	dlrh6a_	Alignment	not modelled	14.5	17	Fold: Putative DNA-binding domain Superfamily: Putative DNA-binding domain Family: Excisionase-like
91	c3n1bA_	Alignment	not modelled	14.5	15	PDB header: transport protein Chain: A: PDB Molecule: vacuolar protein sorting-associated protein 54; PDBTitle: c-terminal domain of vps54 subunit of the garp complex
92	dlavca2	Alignment	not modelled	14.2	12	Fold: Annexin Superfamily: Annexin Family: Annexin
93	dlw7ba_	Alignment	not modelled	13.9	14	Fold: Annexin Superfamily: Annexin Family: Annexin
94	c2jpfA_	Alignment	not modelled	13.7	20	PDB header: structural genomics Chain: A: PDB Molecule: hypothetical protein; PDBTitle: bpp3783_115-220
95	cljunB_	Alignment	not modelled	13.0	18	PDB header: transcription regulation Chain: B: PDB Molecule: c-jun homodimer; PDBTitle: nmr study of c-jun homodimer
96	c2jqgA_	Alignment	not modelled	12.9	2	PDB header: protein transport Chain: A: PDB Molecule: conserved oligomeric golgi complex subunit 2; PDBTitle: solution structure of saccharomyces cerevisiae conserved2 oligomeric golgi subunit 2 protein (cog2p)
97	clvqzA_	Alignment	not modelled	12.6	16	PDB header: ligase Chain: A: PDB Molecule: lipoate-protein ligase, putative; PDBTitle: crystal structure of a putative lipoate-protein ligase a (sp_1160)2 from streptococcus pneumoniae tigr4 at 1.99 a resolution
98	dljqra_	Alignment	not modelled	12.5	4	Fold: Nucleotidyltransferase Superfamily: Nucleotidyltransferase Family: DNA polymerase beta-like
99	dlhm6a_	Alignment	not modelled	12.5	20	Fold: Annexin Superfamily: Annexin Family: Annexin