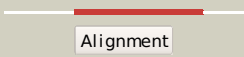
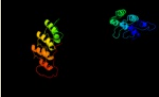
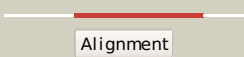

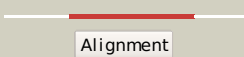

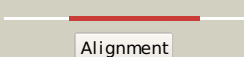

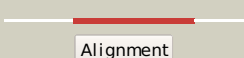

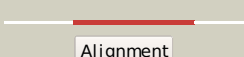

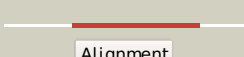

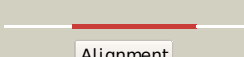

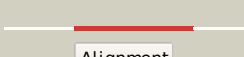
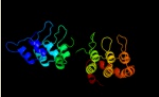
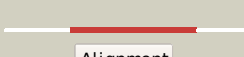





Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1n11a_	 Alignment		100.0	36	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
2	c1n11A_	 Alignment		100.0	36	PDB header: structural protein Chain: A: PDB Molecule: ankyrin; PDBTitle: d34 region of human ankyrin-r and linker
3	c3utmA_	 Alignment		100.0	31	PDB header: transferase/signaling protein Chain: A: PDB Molecule: tankyrase-1; PDBTitle: crystal structure of a mouse tankyrase-axin complex
4	c3keaB_	 Alignment		100.0	19	PDB header: viral protein Chain: B: PDB Molecule: k1l; PDBTitle: structure function studies of vaccinia virus host-range protein k12 reveal a novel ankyrin repeat interaction surface for k1s function
5	d1k1aa_	 Alignment		100.0	100	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
6	c2fo1E_	 Alignment		100.0	20	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
7	d1s70b_	 Alignment		100.0	24	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
8	c3ljnA_	 Alignment		100.0	21	PDB header: unknown function Chain: A: PDB Molecule: hypothetical protein; PDBTitle: ankyrin repeat protein from leishmania major
9	c2xaiD_	 Alignment		100.0	20	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
10	d2ajaa1	 Alignment		100.0	13	Fold: alpha-alpha superhelix Superfamily: Pseudo ankyrin repeat-like Family: Pseudo ankyrin repeat
11	d2fo1e1	 Alignment		100.0	19	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat

12	d1wdya_	Alignment		100.0	24	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
13	c3eu9B_	Alignment		100.0	14	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
14	d1uoha_	Alignment		100.0	19	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
15	c3d9hA_	Alignment		100.0	18	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
16	c3b7bB_	Alignment		100.0	22	PDB header: transferase Chain: B: PDB Molecule: euchromatic histone-lysine n-methyltransferase 1; PDBTitle: euhmt1 (glp) ankyrin repeat domain (structure 1)
17	c2ajaA_	Alignment		100.0	13	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.
18	dlixva_	Alignment		100.0	21	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
19	c2f8xK_	Alignment		100.0	21	PDB header: transcription/dna Chain: K: PDB Molecule: neurogenic locus notch homolog protein 1; PDBTitle: crystal structure of activated notch, csl and maml on hes-12 promoter dna sequence
20	dliknd_	Alignment		100.0	26	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
21	c1sw6A_	Alignment	not modelled	100.0	17	PDB header: transcription regulation Chain: A: PDB Molecule: regulatory protein swi6; PDBTitle: s. cerevisiae swi6 ankyrin-repeat fragment
22	d1sw6a_	Alignment	not modelled	100.0	17	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
23	d1ot8a_	Alignment	not modelled	100.0	23	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
24	c3jxiA_	Alignment	not modelled	100.0	20	PDB header: membrane protein Chain: A: PDB Molecule: vanilloid receptor-related osmotically activated channel PDBTitle: crystal structure of the chicken trpv4 ankyrin repeat domain
25	d1oy3d_	Alignment	not modelled	100.0	30	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
26	c1oy3D_	Alignment	not modelled	100.0	30	PDB header: dna binding protein Chain: D: PDB Molecule: transcription factor inhibitor i-kappa-b-beta; PDBTitle: crystal structure of an ikbbeta/nf-kb p65 homodimer complex
27	c2vgeA_	Alignment	not modelled	100.0	20	PDB header: transcription Chain: A: PDB Molecule: rela-associated inhibitor; PDBTitle: crystal structure of the c-terminal region of human iaspp
28	c3hraA_	Alignment	not modelled	100.0	16	PDB header: structural protein Chain: A: PDB Molecule: ankyrin repeat family protein; PDBTitle: crystal structure of ef0377 an ankyrin repeat protein

29	c2f37B_	Alignment	not modelled	100.0	20	PDB header: membrane protein Chain: B: PDB Molecule: transient receptor potential cation channel PDBTitle: crystal structure of the ankyrin repeat domain of human2 trpv2
30	c3t8kB_	Alignment	not modelled	100.0	15	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
31	c2rfaA_	Alignment	not modelled	100.0	22	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
32	c3ui2A_	Alignment	not modelled	99.9	31	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
33	c2kbxA_	Alignment	not modelled	99.9	24	PDB header: cell adhesion Chain: A: PDB Molecule: integrin-linked protein kinase; PDBTitle: solution structure of ilk-pinch complex
34	c3ehrB_	Alignment	not modelled	99.9	21	PDB header: signaling protein Chain: B: PDB Molecule: osteoclast-stimulating factor 1; PDBTitle: crystal structure of human osteoclast stimulating factor
35	c2nyiA_	Alignment	not modelled	99.9	14	PDB header: transport protein Chain: A: PDB Molecule: transient receptor potential cation channel PDBTitle: crystal structure of the ankyrin repeat domain of trpv1
36	c1ycsB_	Alignment	not modelled	99.9	19	PDB header: complex (anti-oncogene/ankyrin repeats) Chain: B: PDB Molecule: 53bp2; PDBTitle: p53-53bp2 complex
37	c3jueA_	Alignment	not modelled	99.9	26	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
38	c3twtD_	Alignment	not modelled	99.9	31	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)
39	c3deoA_	Alignment	not modelled	99.9	30	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
40	d1dcqa1	Alignment	not modelled	99.9	30	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
41	c2b0oF_	Alignment	not modelled	99.9	21	PDB header: metal binding protein Chain: F: PDB Molecule: uplc1; PDBTitle: crystal structure of uplc1 gap domain
42	c2rfmB_	Alignment	not modelled	99.9	26	PDB header: protein binding Chain: B: PDB Molecule: putative ankyrin repeat protein tv1425; PDBTitle: structure of a thermophilic ankyrin repeat protein
43	d2a5ea_	Alignment	not modelled	99.9	21	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
44	c1ympB_	Alignment	not modelled	99.9	30	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
45	c1dcqA_	Alignment	not modelled	99.9	22	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.
46	d1blxb_	Alignment	not modelled	99.9	22	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
47	c1ympA_	Alignment	not modelled	99.9	30	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
48	d1ycsb1	Alignment	not modelled	99.9	27	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
49	c3lvrE_	Alignment	not modelled	99.9	26	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
50	d1awcb_	Alignment	not modelled	99.9	23	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
51	d1myoa_	Alignment	not modelled	99.9	28	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
52	c3c5rB_	Alignment	not modelled	99.9	35	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
53	d1ihba_	Alignment	not modelled	99.9	22	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
						PDB header: transferase

54	c2v5qC_	Alignment	not modelled	99.9	38	Chain: C: PDB Molecule: design ankyrin repeat protein; PDBTitle: crystal structure of wild-type plk-1 kinase domain in2 complex with a selective darpin
55	c3v30A_	Alignment	not modelled	99.9	24	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
56	d1bd8a_	Alignment	not modelled	99.9	18	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
57	c2zgdA_	Alignment	not modelled	99.8	26	PDB header: de novo protein Chain: A: PDB Molecule: 3 repeat synthetic ankyrin; PDBTitle: asn-hydroxylation stabilises the ankyrin repeat domain fold
58	c2l6bA_	Alignment	not modelled	99.8	36	PDB header: de novo protein Chain: A: PDB Molecule: nr1c; PDBTitle: nrc consensus ankyrin repeat protein solution structure
59	c2jabC_	Alignment	not modelled	99.8	34	PDB header: de novo protein Chain: C: PDB Molecule: h10-2-g3; PDBTitle: a designed ankyrin repeat protein evolved to picomolar2 affinity to her2
60	d1bi7b_	Alignment	not modelled	99.8	26	Fold: beta-hairpin-alpha-hairpin repeat Superfamily: Ankyrin repeat Family: Ankyrin repeat
61	c2xenA_	Alignment	not modelled	99.8	27	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.
62	c1n0rA_	Alignment	not modelled	99.7	42	PDB header: structural protein Chain: A: PDB Molecule: 4 ankyrin repeats; PDBTitle: 4ank: a designed ankyrin repeat protein with four identical2 consensus repeats
63	c1n0qB_	Alignment	not modelled	99.7	37	PDB header: structural protein Chain: B: PDB Molecule: 3 ankyrin repeats; PDBTitle: 3ank: a designed ankyrin repeat protein with three identical consensus2 repeats
64	c2xumS_	Alignment	not modelled	90.5	28	PDB header: oxidoreductase/peptide Chain: S: PDB Molecule: asp-substrate peptide 2; PDBTitle: factor inhibiting hif (fih) q239h mutant in complex with zn(ii), nog2 and asp-substrate peptide (20-mer)
65	c2y0iS_	Alignment	not modelled	48.0	42	PDB header: oxidoreductase/peptide Chain: S: PDB Molecule: tankyrase-2; PDBTitle: factor inhibiting hif-1 alpha in complex with tankyrase-2 (tnks2)2 fragment peptide (21-mer)
66	c3ix1B_	Alignment	not modelled	40.5	21	PDB header: biosynthetic protein Chain: B: PDB Molecule: n-formyl-4-amino-5-aminomethyl-2-methylpyrimidine binding PDBTitle: periplasmic n-formyl-4-amino-5-aminomethyl-2-methylpyrimidine binding2 protein from bacillus halodurans
67	c3ih9A_	Alignment	not modelled	38.4	16	PDB header: hydrolase Chain: A: PDB Molecule: salt-tolerant glutaminase; PDBTitle: crystal structure analysis of mglu in its tris form
68	c3ix1A_	Alignment	not modelled	37.0	21	PDB header: biosynthetic protein Chain: A: PDB Molecule: n-formyl-4-amino-5-aminomethyl-2-methylpyrimidine binding PDBTitle: periplasmic n-formyl-4-amino-5-aminomethyl-2-methylpyrimidine binding2 protein from bacillus halodurans
69	c2x7pA_	Alignment	not modelled	26.6	16	PDB header: unknown function Chain: A: PDB Molecule: possible thiamine biosynthesis enzyme; PDBTitle: the conserved candida albicans ca3427 gene product defines a new2 family of proteins exhibiting the generic periplasmic binding3 protein structural fold
70	c3qslA_	Alignment	not modelled	17.5	30	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative exported protein; PDBTitle: structure of cae31940 from bordetella bronchiseptica rb50
71	c3tqwA_	Alignment	not modelled	16.5	18	PDB header: transport protein Chain: A: PDB Molecule: methionine-binding protein; PDBTitle: structure of a abc transporter, periplasmic substrate-binding protein2 from coxiella burnetii
72	c3zrhA_	Alignment	not modelled	10.2	20	PDB header: hydrolase Chain: A: PDB Molecule: ubiquitin thioesterase zranb1; PDBTitle: crystal structure of the lys29, lys33-linkage-specific traid otu2 deubiquitinase domain reveals an ankyrin-repeat ubiquitin binding3 domain (ankubd)
73	d2cwlal	Alignment	not modelled	8.8	19	Fold: Ferritin-like Superfamily: Ferritin-like Family: Manganese catalase (T-catalase)
74	c3e4rA_	Alignment	not modelled	8.3	16	PDB header: transport protein Chain: A: PDB Molecule: nitrate transport protein; PDBTitle: crystal structure of the alkanesulfonate binding protein2 (ssua) from the phytopathogenic bacteria xanthomonas3 axonopodis pv. citri bound to hepes
75	c2x26A_	Alignment	not modelled	6.4	9	PDB header: transport protein Chain: A: PDB Molecule: periplasmic aliphatic sulphonates-binding protein; PDBTitle: crystal structure of the periplasmic aliphatic sulphonate2 binding protein ssua from escherichia coli
76	c3sviA_	Alignment	not modelled	5.4	29	PDB header: signaling protein Chain: A: PDB Molecule: type iii effector hopab2; PDBTitle: structure of the pto-binding domain of hoppmal generated by limited2 thermolysin digestion