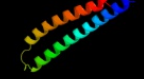
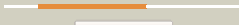
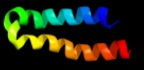
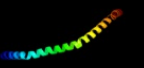
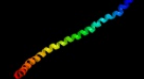
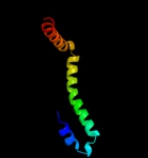
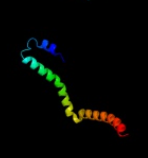
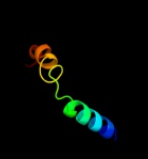
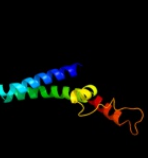
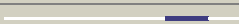
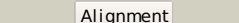
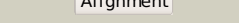
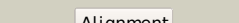
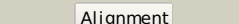


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1nfoA_	 Alignment		91.4	15	PDB header: lipid transport Chain: A; PDB Molecule: apolipoprotein e2; PDBTitle: apolipoprotein e2 (apoe2, d154a mutation)
2	d1gs9a_	 Alignment		88.3	16	Fold: Four-helical up-and-down bundle Superfamily: Apolipoprotein Family: Apolipoprotein
3	c2x43S_	 Alignment		80.0	8	PDB header: membrane protein Chain: S; PDB Molecule: sherp; PDBTitle: structural basis of molecular recognition by sherp at membrane2 surfaces
4	c3kdpG_	 Alignment		72.3	31	PDB header: hydrolase Chain: G; PDB Molecule: na+/k+ atpase gamma subunit transcript variant a; PDBTitle: crystal structure of the sodium-potassium pump
5	c3kdpH_	 Alignment		72.3	31	PDB header: hydrolase Chain: H; PDB Molecule: na+/k+ atpase gamma subunit transcript variant a; PDBTitle: crystal structure of the sodium-potassium pump
6	c3r2pA_	 Alignment		60.9	13	PDB header: lipid transport Chain: A; PDB Molecule: apolipoprotein a-i; PDBTitle: 2.2 angstrom crystal structure of c terminal truncated human2 apolipoprotein a-i reveals the assembly of hdl by dimerization.
7	c1av1B_	 Alignment		58.8	12	PDB header: lipid transport Chain: B; PDB Molecule: apolipoprotein a-i; PDBTitle: crystal structure of human apolipoprotein a-i
8	d1eq1a_	 Alignment		41.8	19	Fold: Apolipophorin-III Superfamily: Apolipophorin-III Family: Apolipophorin-III
9	c2a01B_	 Alignment		39.4	21	PDB header: lipid transport Chain: B; PDB Molecule: apolipoprotein a-i; PDBTitle: crystal structure of lipid-free human apolipoprotein a-i
10	c3gvmA_	 Alignment		35.3	7	PDB header: viral protein Chain: A; PDB Molecule: putative uncharacterized protein sag1039; PDBTitle: structure of the homodimeric wxg-100 family protein from streptococcus2 agalactiae
11	c2jwaA_	 Alignment		31.4	38	PDB header: transferase Chain: A; PDB Molecule: receptor tyrosine-protein kinase erbb2; PDBTitle: erbb2 transmembrane segment dimer spatial structure

12	d1wa8b1	Alignment		25.6	11	Fold: Ferritin-like Superfamily: EsxAB dimer-like Family: ESAT-6 like
13	d1ryka	Alignment		24.7	5	Fold: SAM domain-like Superfamily: Hypothetical protein Yjbj Family: Hypothetical protein Yjbj
14	c2vs0B	Alignment		23.6	11	PDB header: cell invasion Chain: B: PDB Molecule: virulence factor esxa; PDBTitle: structural analysis of homodimeric staphylococcal aureus2 virulence factor esxa
15	d1i6la	Alignment		23.4	14	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
16	c3prhB	Alignment		22.7	18	PDB header: ligase Chain: B: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: tryptophanyl-trna synthetase val144pro mutant from b. subtilis
17	d2ooca1	Alignment		21.5	14	Fold: Four-helical up-and-down bundle Superfamily: Histidine-containing phosphotransfer domain, HPT domain Family: SphA-like
18	c1p58F	Alignment		21.4	15	PDB header: virus Chain: F: PDB Molecule: envelope protein m; PDBTitle: complex organization of dengue virus membrane proteins as revealed by2 9.5 angstrom cryo-em reconstruction
19	c3e0sA	Alignment		21.4	23	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of an uncharacterized protein from2 chlorobium tepidum
20	c3lw5K	Alignment		20.1	44	PDB header: photosynthesis Chain: K: PDB Molecule: photosystem i reaction center subunit x psak; PDBTitle: improved model of plant photosystem i
21	c2l5bA	Alignment	not modelled	19.4	29	PDB header: apoptosis Chain: A: PDB Molecule: activator of apoptosis harakiri; PDBTitle: solution structure of the transmembrane domain of bcl-2 member2 harakiri in micelles
22	d2gtsa1	Alignment	not modelled	17.1	16	Fold: Ferritin-like Superfamily: HP0062-like Family: HP0062-like
23	d1wa8a1	Alignment	not modelled	16.7	12	Fold: Ferritin-like Superfamily: EsxAB dimer-like Family: ESAT-6 like
24	d1nekd	Alignment	not modelled	16.5	7	Fold: Heme-binding four-helical bundle Superfamily: Fumarate reductase respiratory complex transmembrane subunits Family: Succinate dehydrogenase/Fumarate reductase transmembrane subunits (SdhC/FrdC and SdhD/FrdD)
25	c3onjA	Alignment	not modelled	12.0	9	PDB header: protein transport Chain: A: PDB Molecule: t-snare vti1; PDBTitle: crystal structure of yeast vti1p_habc domain
26	d1vcsa1	Alignment	not modelled	11.8	11	Fold: STAT-like Superfamily: t-snare proteins Family: t-snare proteins
27	d1s35a1	Alignment	not modelled	11.7	12	Fold: Spectrin repeat-like Superfamily: Spectrin repeat Family: Spectrin repeat
28	d1c99a	Alignment	not modelled	10.0	28	Fold: Transmembrane helix hairpin Superfamily: F1F0 ATP synthase subunit C Family: F1F0 ATP synthase subunit C
						PDB header: cell adhesion

29	c2kncB	Alignment	not modelled	9.7	5	Chain: B: PDB Molecule: integrin beta-3; PDBTitle: platelet integrin alfa1b-beta3 transmembrane-cytoplasmic2 heterocomplex
30	d1eiya1	Alignment	not modelled	9.5	23	Fold: Long alpha-hairpin Superfamily: tRNA-binding arm Family: Phenylalanyl-tRNA synthetase (PheRS)
31	d1k75a	Alignment	not modelled	9.3	10	Fold: ALDH-like Superfamily: ALDH-like Family: L-histidinol dehydrogenase HisD
32	d1f16a	Alignment	not modelled	8.9	21	Fold: Toxins' membrane translocation domains Superfamily: Bcl-2 inhibitors of programmed cell death Family: Bcl-2 inhibitors of programmed cell death
33	c2g36A	Alignment	not modelled	8.3	16	PDB header: ligase Chain: A: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structure of tryptophanyl-trna synthetase (ec 6.1.1.2)2 (tryptophan-trna ligase)(trprs) (tm0492) from thermotoga maritima at 3.2.50 a resolution
34	c3py7A	Alignment	not modelled	7.9	14	PDB header: viral protein Chain: A: PDB Molecule: maltose-binding periplasmic protein, paxillin 1d1, protein e6 PDBTitle: crystal structure of full-length bovine papillomavirus oncoprotein e62 in complex with 1d1 motif of paxillin at 2.3a resolution
35	c1n54A	Alignment	not modelled	7.8	19	PDB header: rna binding protein Chain: A: PDB Molecule: 80 kda nuclear cap binding protein; PDBTitle: cap binding complex m7gpppg free
36	c2kbvA	Alignment	not modelled	7.8	30	PDB header: membrane protein Chain: A: PDB Molecule: sodium/hydrogen exchanger 1; PDBTitle: structural and functional analysis of tm xi of the nhe12 isoform of the na+/h+ exchanger
37	c2j5dA	Alignment	not modelled	7.6	16	PDB header: membrane protein Chain: A: PDB Molecule: bcl2/adenovirus e1b 19 kda protein-interacting PDBTitle: nmr structure of bnip3 transmembrane domain in lipid2 bicelles
38	d1q2ha	Alignment	not modelled	7.6	20	Fold: Dimerisation interlock Superfamily: Phenylalanine zipper Family: Adapter protein APS, dimerisation domain
39	c2v8sV	Alignment	not modelled	7.2	15	PDB header: protein transport Chain: V: PDB Molecule: vesicle transport through interaction with PDBTitle: vti1b habc domain - epsinr enth domain complex
40	c2ww9B	Alignment	not modelled	7.1	21	PDB header: ribosome Chain: B: PDB Molecule: protein transport protein sss1; PDBTitle: cryo-em structure of the active yeast ssh1 complex bound to the 2 yeast 80s ribosome
41	c1yi8C	Alignment	not modelled	7.1	13	PDB header: ligase Chain: C: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structure of tryptophanyl trna synthetase ii from deinococcus2 radiodurans in complex with l-trp
42	c1q90L	Alignment	not modelled	7.1	27	PDB header: photosynthesis Chain: L: PDB Molecule: cytochrome b6f complex subunit pet1; PDBTitle: structure of the cytochrome b6f (plastohydroquinone : plastocyanin2 oxidoreductase) from chlamydomonas reinhardtii
43	d1q90L	Alignment	not modelled	7.1	27	Fold: Single transmembrane helix Superfamily: PetL subunit of the cytochrome b6f complex Family: PetL subunit of the cytochrome b6f complex
44	c1ywwA	Alignment	not modelled	6.9	6	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein pa4738; PDBTitle: nmr structure of p. aeruginosa protein pa4738: northeast2 structural genomics consortium target pap2
45	c1xq8A	Alignment	not modelled	6.8	18	PDB header: lipid binding protein Chain: A: PDB Molecule: alpha-synuclein; PDBTitle: human micelle-bound alpha-synuclein
46	c3hd7A	Alignment	not modelled	6.7	14	PDB header: exocytosis Chain: A: PDB Molecule: vesicle-associated membrane protein 2; PDBTitle: helical extension of the neuronal snare complex into the membrane, 2 spacegroup c 1 2 1
47	c2p2uA	Alignment	not modelled	6.6	10	PDB header: dna binding protein Chain: A: PDB Molecule: host-nuclease inhibitor protein gam, putative; PDBTitle: crystal structure of putative host-nuclease inhibitor2 protein gam from desulfovibrio vulgaris
48	d1l2pa	Alignment	not modelled	6.5	13	Fold: Single transmembrane helix Superfamily: F1F0 ATP synthase subunit B, membrane domain Family: F1F0 ATP synthase subunit B, membrane domain
49	c3m5wB	Alignment	not modelled	6.3	17	PDB header: ligase Chain: B: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structure of tryptophanyl-trna synthetase from2 campylobacter jejuni
50	c3b9yA	Alignment	not modelled	6.3	21	PDB header: transport protein Chain: A: PDB Molecule: ammonium transporter family rh-like protein; PDBTitle: crystal structure of the nitrosomonas europaea rh protein
51	d1szia	Alignment	not modelled	6.1	22	Fold: Four-helical up-and-down bundle Superfamily: Mannose-6-phosphate receptor binding protein 1 (Tip47), C-terminal domain Family: Mannose-6-phosphate receptor binding protein 1 (Tip47), C-terminal domain
52	d1tqga	Alignment	not modelled	6.0	10	Fold: Four-helical up-and-down bundle Superfamily: Histidine-containing phosphotransfer domain, HPT domain Family: Chemotaxis protein CheA P1 domain
53	c3kb8A	Alignment	not modelled	5.9	14	PDB header: transferase Chain: A: PDB Molecule: hypoxanthine phosphoribosyltransferase; PDBTitle: 2.09 angstrom resolution structure of a hypoxanthine-guanine2 phosphoribosyltransferase (hpt-1) from bacillus anthracis str. 'ames3 ancestor' in complex with gmp

54	d2o97b1	 Alignment	not modelled	5.6	16	Fold: IHF-like DNA-binding proteins Superfamily: IHF-like DNA-binding proteins Family: Prokaryotic DNA-binding protein
55	c2ka2A	 Alignment	not modelled	5.6	16	PDB header: membrane protein Chain: A: PDB Molecule: bcl2/adenovirus e1b 19 kda protein-interacting PDBTitle: solution nmr structure of bnip3 transmembrane peptide dimer2 in detergent micelles with his173-ser172 intermonomer3 hydrogen bond restraints
56	c2ka1B	 Alignment	not modelled	5.6	16	PDB header: membrane protein Chain: B: PDB Molecule: bcl2/adenovirus e1b 19 kda protein-interacting PDBTitle: solution nmr structure of bnip3 transmembrane peptide dimer2 in detergent micelles
57	c2ks1B	 Alignment	not modelled	5.5	14	PDB header: transferase Chain: B: PDB Molecule: epidermal growth factor receptor; PDBTitle: heterodimeric association of transmembrane domains of erb1 and erb2 receptors enabling kinase activation
58	c2k11B	 Alignment	not modelled	5.5	31	PDB header: signaling protein Chain: B: PDB Molecule: ephrin type-a receptor 1; PDBTitle: nmr structures of dimeric transmembrane domain of the2 receptor tyrosine kinase epha1 in lipid bicelles at ph 6.3
59	c2k11A	 Alignment	not modelled	5.5	31	PDB header: signaling protein Chain: A: PDB Molecule: ephrin type-a receptor 1; PDBTitle: nmr structures of dimeric transmembrane domain of the2 receptor tyrosine kinase epha1 in lipid bicelles at ph 6.3
60	c2k1kA	 Alignment	not modelled	5.5	31	PDB header: signaling protein Chain: A: PDB Molecule: ephrin type-a receptor 1; PDBTitle: nmr structures of dimeric transmembrane domain of the2 receptor tyrosine kinase epha1 in lipid bicelles at ph 4.3
61	c2k1kB	 Alignment	not modelled	5.5	31	PDB header: signaling protein Chain: B: PDB Molecule: ephrin type-a receptor 1; PDBTitle: nmr structures of dimeric transmembrane domain of the2 receptor tyrosine kinase epha1 in lipid bicelles at ph 4.3
62	d1dqna	 Alignment	not modelled	5.5	19	Fold: PRTase-like Superfamily: PRTase-like Family: Phosphoribosyltransferases (PRTases)
63	d1g9sa	 Alignment	not modelled	5.5	14	Fold: PRTase-like Superfamily: PRTase-like Family: Phosphoribosyltransferases (PRTases)
64	c2el7A	 Alignment	not modelled	5.3	25	PDB header: ligase Chain: A: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structure of tryptophanyl-trna synthetase from thermus2 thermophilus
65	c2hroA	 Alignment	not modelled	5.3	15	PDB header: transferase Chain: A: PDB Molecule: phosphoenolpyruvate-protein phosphotransferase; PDBTitle: structure of the full-lenght enzyme i of the pts system from2 staphylococcus carnosus
66	c2ka2B	 Alignment	not modelled	5.2	13	PDB header: membrane protein Chain: B: PDB Molecule: bcl2/adenovirus e1b 19 kda protein-interacting PDBTitle: solution nmr structure of bnip3 transmembrane peptide dimer2 in detergent micelles with his173-ser172 intermonomer3 hydrogen bond restraints
67	c2ka1A	 Alignment	not modelled	5.2	13	PDB header: membrane protein Chain: A: PDB Molecule: bcl2/adenovirus e1b 19 kda protein-interacting PDBTitle: solution nmr structure of bnip3 transmembrane peptide dimer2 in detergent micelles