






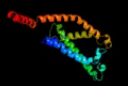



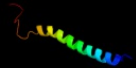

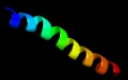



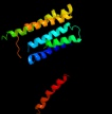






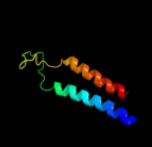

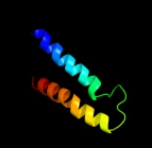
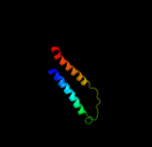
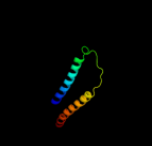

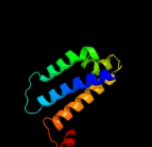


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3qnqD_	 Alignment		51.8	7	PDB header: membrane protein, transport protein Chain: D: PDB Molecule: pts system, cellobiose-specific iic component; PDBTitle: crystal structure of the transporter chbc, the iic component from the 2 n,n'-diacetylchitobiose-specific phosphotransferase system
2	d1y5ic1	 Alignment		30.0	11	Fold: Heme-binding four-helical bundle Superfamily: Respiratory nitrate reductase 1 gamma chain Family: Respiratory nitrate reductase 1 gamma chain
3	d1fftb2	 Alignment		18.7	10	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region
4	c2w8aC_	 Alignment		17.8	13	PDB header: membrane protein Chain: C: PDB Molecule: glycine betaine transporter betp; PDBTitle: crystal structure of the sodium-coupled glycine betaine2 symporter betp from corynebacterium glutamicum with bound3 substrate
5	c2bbjB_	 Alignment		17.4	8	PDB header: metal transport/membrane protein Chain: B: PDB Molecule: divalent cation transport-related protein; PDBTitle: crystal structure of the cora mg2+ transporter
6	c2kncA_	 Alignment		14.0	9	PDB header: cell adhesion Chain: A: PDB Molecule: integrin alpha-iiB; PDBTitle: platelet integrin alfaIIB-beta3 transmembrane-cytoplasmic2 heterocomplex
7	c2rddB_	 Alignment		13.4	7	PDB header: membrane protein/transport protein Chain: B: PDB Molecule: upf0092 membrane protein yajc; PDBTitle: x-ray crystal structure of acrb in complex with a novel2 transmembrane helix.
8	c2xq2A_	 Alignment		13.2	10	PDB header: transport protein Chain: A: PDB Molecule: sodium/glucose cotransporter; PDBTitle: structure of the k294a mutant of vsGLT
9	c2xutC_	 Alignment		13.0	4	PDB header: transport protein Chain: C: PDB Molecule: proton/peptide symporter family protein; PDBTitle: crystal structure of a proton dependent oligopeptide (pot)2 family transporter.
10	d2oara1	 Alignment		12.6	11	Fold: Gated mechanosensitive channel Superfamily: Gated mechanosensitive channel Family: Gated mechanosensitive channel
11	c2jlnA_	 Alignment		12.2	8	PDB header: membrane protein Chain: A: PDB Molecule: mhp1; PDBTitle: structure of mhp1, a nucleobase-cation-symport-1 family2 transporter

12	dlj4na_	Alignment		12.1	7	Fold: Aquaporin-like Superfamily: Aquaporin-like Family: Aquaporin-like
13	dlu5ta1	Alignment		12.1	36	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Vacuolar sorting protein domain
14	c3mk7F_	Alignment		11.8	8	PDB header: oxidoreductase Chain: F: PDB Molecule: cytochrome c oxidase, cbb3-type, subunit p; PDBTitle: the structure of cbb3 cytochrome oxidase
15	d3ehbb2	Alignment		10.8	13	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region
16	clvryA_	Alignment		10.4	12	PDB header: membrane protein Chain: A: PDB Molecule: glycine receptor alpha-1 chain; PDBTitle: second and third transmembrane domains of the alpha-12 subunit of human glycine receptor
17	c1m57H_	Alignment		9.9	12	PDB header: oxidoreductase Chain: H: PDB Molecule: cytochrome c oxidase; PDBTitle: structure of cytochrome c oxidase from rhodobacter2 sphaeroides (eq(i-286) mutant)
18	d3dtub2	Alignment		9.6	11	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region
19	c1ymgA_	Alignment		9.0	9	PDB header: membrane protein Chain: A: PDB Molecule: lens fiber major intrinsic protein; PDBTitle: the channel architecture of aquaporin o at 2.2 angstrom resolution
20	d1ymga1	Alignment		9.0	9	Fold: Aquaporin-like Superfamily: Aquaporin-like Family: Aquaporin-like
21	c1fftG_	Alignment	not modelled	8.9	12	PDB header: oxidoreductase Chain: G: PDB Molecule: ubiquinol oxidase; PDBTitle: the structure of ubiquinol oxidase from escherichia coli
22	c2kncB_	Alignment	not modelled	8.8	16	PDB header: cell adhesion Chain: B: PDB Molecule: integrin beta-3; PDBTitle: platelet integrin alfaib-beta3 transmembrane-cytoplasmic2 heterocomplex
23	d1bg6a1	Alignment	not modelled	8.8	21	Fold: 6-phosphogluconate dehydrogenase C-terminal domain-like Superfamily: 6-phosphogluconate dehydrogenase C-terminal domain-like Family: N-(1-D-carboxylethyl)-L-norvaline dehydrogenase
24	d1o82a_	Alignment	not modelled	8.7	22	Fold: Saposin-like Superfamily: Bacteriocin AS-48 Family: Bacteriocin AS-48
25	c1qlcB_	Alignment	not modelled	8.5	13	PDB header: oxidoreductase/immune system Chain: B: PDB Molecule: cytochrome c oxidase polypeptide ii; PDBTitle: cryo-structure of the paracoccus denitrificans four-subunit2 cytochrome c oxidase in the completely oxidized state3 complexed with an antibody fv fragment
26	c1ar1B_	Alignment	not modelled	8.5	13	PDB header: complex (oxidoreductase/antibody) Chain: B: PDB Molecule: cytochrome c oxidase; PDBTitle: structure at 2.7 angstrom resolution of the paracoccus2 denitrificans two-subunit cytochrome c oxidase complexed3 with an antibody fv fragment
27	c3cuqA_	Alignment	not modelled	8.5	23	PDB header: protein transport Chain: A: PDB Molecule: vacuolar-sorting protein snf8; PDBTitle: integrated structural and functional model of the human escrt-ii2 complex
28	c1u5ta_	Alignment	not modelled	8.3	36	PDB header: transport protein Chain: A: PDB Molecule: appears to be functionally related to snf7;

					PDBTitle: structure of the escrt-ii endosomal trafficking complex PDB header: protein transport Chain: A: PDB Molecule: vacuolar-sorting protein snf8; PDBTitle: integrated structural and functional model of the human escrt-ii2 complex
29	c2zmeA_	Alignment	not modelled	8.1	23
30	c3si5X_	Alignment	not modelled	8.1	30
31	c3si5Y_	Alignment	not modelled	7.9	30
32	d1mmsa2	Alignment	not modelled	7.8	19
33	d2d6fc1	Alignment	not modelled	7.7	33
34	d3cjsb1	Alignment	not modelled	7.6	24
35	d1rc2a_	Alignment	not modelled	7.5	10
36	c2oarA_	Alignment	not modelled	7.4	4
37	c2ksfA_	Alignment	not modelled	7.2	15
38	d2iuba2	Alignment	not modelled	7.2	4
39	d1eysh2	Alignment	not modelled	7.1	20
40	c3rkoM_	Alignment	not modelled	7.0	8
41	c3cjtP_	Alignment	not modelled	6.9	24
42	c2l2ta_	Alignment	not modelled	6.8	21
43	c3ke2A_	Alignment	not modelled	6.8	9
44	d2a65a1	Alignment	not modelled	6.7	9
45	d1tm9a_	Alignment	not modelled	6.6	14
46	c1c9bl_	Alignment	not modelled	6.4	22
47	c1s5rA_	Alignment	not modelled	6.3	31
48	d2vv5a3	Alignment	not modelled	6.2	5
49	d2csba3	Alignment	not modelled	6.2	13
50	c3gdzA_	Alignment	not modelled	6.1	17
51	c3kl4B_	Alignment	not modelled	6.1	15
52	c1ponB_	Alignment	not modelled	6.0	18
53	c3rfrl_	Alignment	not modelled	5.9	3

53	c3m1_	Alignment	not modelled	5.9	5	PDBTitle: crystal structure of particulate methane monooxygenase (pmmo) from2 methylcystis sp. strain m PDB header: immune system, membrane protein Chain: A: PDB Molecule: t-cell surface glycoprotein cd4; PDBTitle: nmr structure of the transmembrane and cytoplasmic domains2 of human cd4
54	c2kluA_	Alignment	not modelled	5.8	9	Fold: MAPEG domain-like Superfamily: MAPEG domain-like Family: MAPEG domain
55	d2h8aa1	Alignment	not modelled	5.7	14	PDB header: antimicrobial protein Chain: A: PDB Molecule: cathelicidin antimicrobial peptide; PDBTitle: human II-37 structure
56	c2k6oA_	Alignment	not modelled	5.6	27	Fold: Phage tail proteins Superfamily: Phage tail proteins Family: gpFII-like
57	d2pp6a1	Alignment	not modelled	5.6	24	PDB header: chaperone Chain: A: PDB Molecule: conserved protein (mth177); PDBTitle: crystal structure of archaeal nascent polypeptide-associated complex2 (aenac)
58	c1tr8A_	Alignment	not modelled	5.6	19	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: Phage repressors
59	d1nera_	Alignment	not modelled	5.5	8	Fold: Cyclin-like Superfamily: Cyclin-like Family: Transcription factor IIB (TFIIB), core domain
60	d1vola2	Alignment	not modelled	5.5	22	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: SinR domain-like
61	d2bnma1	Alignment	not modelled	5.4	41	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: Phage repressors
62	d1rzsa_	Alignment	not modelled	5.4	23	PDB header: transport protein Chain: B: PDB Molecule: potassium voltage-gated channel subfamily d member 2; PDBTitle: crystal structure of the complex between kchip1 and kv4.2 n1-30
63	c1s6cB_	Alignment	not modelled	5.4	0	PDB header: oxidoreductase, membrane protein Chain: C: PDB Molecule: particulate methane monooxygenase subunit c2; PDBTitle: crystal structure of particulate methane monooxygenase
64	c1yewC_	Alignment	not modelled	5.4	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: protein kiaa0794; PDBTitle: solution structure of the novel identified uba-like domain2 in the n-terminal of human fas associated factor 1 protein
65	c2dalA_	Alignment	not modelled	5.4	12	Fold: Tautomerase/MIF Superfamily: Tautomerase/MIF Family: 4-oxalocrotonate tautomerase-like
66	d1gyxa_	Alignment	not modelled	5.3	17	PDB header: isomerase Chain: A: PDB Molecule: probable tautomerase ywhb; PDBTitle: crystal structure of ywhb- homologue of 4-oxalocrotonate tautomerase
67	c2op8A_	Alignment	not modelled	5.3	8	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: TAP-C domain-like
68	d1v92a_	Alignment	not modelled	5.2	13	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Cold shock DNA-binding domain-like
69	d1khia2	Alignment	not modelled	5.2	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
70	d1xmta_	Alignment	not modelled	5.2	10	PDB header: oxidoreductase Chain: A: PDB Molecule: methane monooxygenase subunit b2; PDBTitle: crystal structure of particulate methane monooxygenase from2 methylcoccus capsulatus (bath)
71	c3rgbA_	Alignment	not modelled	5.2	4	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: Cyanase N-terminal domain
72	d1dwka1	Alignment	not modelled	5.2	5	PDB header: membrane protein Chain: D: PDB Molecule: small-conductance mechanosensitive channel; PDBTitle: the open structure of msccs
73	c2vv5D_	Alignment	not modelled	5.1	8	Fold: Ferredoxin-like Superfamily: Formiminotransferase domain of formiminotransferase-cyclodeaminase. Family: Formiminotransferase domain of formiminotransferase-cyclodeaminase.
74	d1qd1a2	Alignment	not modelled	5.1	17	PDB header: transcription Chain: A: PDB Molecule: fxyd domain-containing ion transport regulator 4; PDBTitle: solution structure of the human fxyd4 (chif) protein in sds2 micelles
75	c2jp3A_	Alignment	not modelled	5.1	7	PDB header: dna binding protein Chain: A: PDB Molecule: excinuclease abc subunit c; PDBTitle: solution structure of the c-terminal domain of uvrc from e-2 coli
76	c1kftA_	Alignment	not modelled	5.1	19	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: Excinuclease UvrC C-terminal domain
77	d1kfta_	Alignment	not modelled	5.1	19	PDB header: antimicrobial protein Chain: A: PDB Molecule: antimicrobial peptide laticin 2a; PDBTitle: nmr structure of a novel antimicrobial peptide, laticin 2a,2 from spider (lachesana tarabaevi) venom
78	c2g9pA_	Alignment	not modelled	5.1	25	PDB header: ion channel/receptor Chain: C: PDB Molecule: acetylcholine receptor protein, delta

79	c2bg9C_	Alignment	not modelled	5.1	13	chain; PDBTitle: refined structure of the nicotinic acetylcholine receptor2 at 4a resolution.
80	c1bvyF_	Alignment	not modelled	5.0	10	PDB header: oxidoreductase Chain: F: PDB Molecule: protein (cytochrome p450 bm-3); PDBTitle: complex of the heme and fnn-binding domains of the2 cytochrome p450(bm-3)