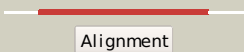

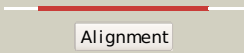



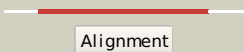

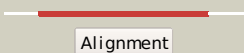
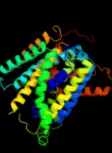
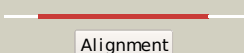

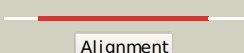

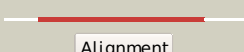

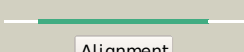

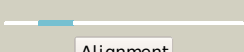

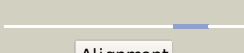

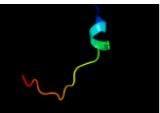

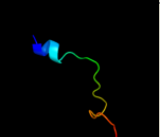

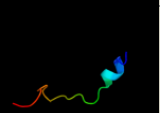






#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2jlnA_	 Alignment		100.0	20	PDB header: membrane protein Chain: A: PDB Molecule: mhp1; PDBTitle: structure of mhp1, a nucleobase-cation-symport-1 family2 transporter
2	c2xq2A_	 Alignment		99.7	12	PDB header: transport protein Chain: A: PDB Molecule: sodium/glucose cotransporter; PDBTitle: structure of the k294a mutant of vsplt
3	c3dh4A_	 Alignment		99.6	13	PDB header: transport protein Chain: A: PDB Molecule: sodium/glucose cotransporter; PDBTitle: crystal structure of sodium/sugar symporter with bound galactose from2 vibrio parahaemolyticus
4	c3giaA_	 Alignment		99.4	10	PDB header: transport protein Chain: A: PDB Molecule: uncharacterized protein mj0609; PDBTitle: crystal structure of apct transporter
5	c3lrcC_	 Alignment		99.2	13	PDB header: transport protein Chain: C: PDB Molecule: arginine/agmatine antiporter; PDBTitle: structure of e. coli adic (p1)
6	d2a65a1	 Alignment		97.2	10	Fold: SNF-like Superfamily: SNF-like Family: SNF-like
7	c2w8aC_	 Alignment		96.4	12	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
8	c3hfxA_	 Alignment		96.1	11	PDB header: transport protein Chain: A: PDB Molecule: l-carnitine/gamma-butyrobetaine antiporter; PDBTitle: crystal structure of carnitine transporter
9	d1pw4a_	 Alignment		46.3	10	Fold: MFS general substrate transporter Superfamily: MFS general substrate transporter Family: Glycerol-3-phosphate transporter
10	c2bg9C_	 Alignment		37.7	12	PDB header: ion channel/receptor Chain: C: PDB Molecule: acetylcholine receptor protein, delta chain; PDBTitle: refined structure of the nicotinic acetylcholine receptor2 at 4a resolution.
11	c3qngD_	 Alignment		27.7	30	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 the2 n,n'-diacetylchitobiose-specific phosphotransferase system

12	c2bg9A_	Alignment		23.4	25	PDB header: ion channel/receptor Chain: A: PDB Molecule: acetylcholine receptor protein, alpha chain; PDBTitle: refined structure of the nicotinic acetylcholine receptor2 at 4a resolution.
13	c3m7bA_	Alignment		21.0	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: tellurite resistance protein teha homolog; PDBTitle: crystal structure of plant slac1 homolog teha
14	c2qc1B_	Alignment		14.5	25	PDB header: protein binding Chain: B: PDB Molecule: acetylcholine receptor subunit alpha; PDBTitle: crystal structure of the extracellular domain of the nicotinic2 acetylcholine receptor 1 subunit bound to alpha-bungarotoxin at 1.9 a3 resolution
15	d1iwga8	Alignment		14.2	7	Fold: Multidrug efflux transporter AcrB transmembrane domain Superfamily: Multidrug efflux transporter AcrB transmembrane domain Family: Multidrug efflux transporter AcrB transmembrane domain
16	c2bg9E_	Alignment		13.8	13	PDB header: ion channel/receptor Chain: E: PDB Molecule: acetylcholine receptor protein, gamma chain; PDBTitle: refined structure of the nicotinic acetylcholine receptor2 at 4a resolution.
17	c1r8jB_	Alignment		9.4	32	PDB header: circadian clock protein Chain: B: PDB Molecule: kaia; PDBTitle: crystal structure of circadian clock protein kaia from2 synechococcus elongatus
18	c2raxY_	Alignment		9.2	24	PDB header: cell cycle Chain: Y: PDB Molecule: borealin; PDBTitle: crystal structure of borealin (20-78) bound to survivin (1-120)
19	d1nj8a2	Alignment		7.6	31	Fold: IF3-like Superfamily: C-terminal domain of ProRS Family: C-terminal domain of ProRS
20	c3bowC_	Alignment		7.4	32	PDB header: hydrolase/hydrolase inhibitor Chain: C: PDB Molecule: calpastatin; PDBTitle: structure of m-calpain in complex with calpastatin
21	d2auwa1	Alignment	not modelled	6.8	13	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: NE0471 C-terminal domain-like
22	d1eexa_	Alignment	not modelled	6.6	8	Fold: TIM beta/alpha-barrel Superfamily: Cobalamin (vitamin B12)-dependent enzymes Family: Diol dehydratase, alpha subunit
23	d1t98a1	Alignment	not modelled	6.0	25	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MukF N-terminal domain-like
24	c1nauA_	Alignment	not modelled	5.9	32	PDB header: hormone/growth factor Chain: A: PDB Molecule: glucagon; PDBTitle: nmr solution structure of the glucagon antagonist [desHis1,2 desPhe6, glu9]glucagon amide in the presence of3 perdeuterated dodecylphosphocholine micelles
25	c2auwB_	Alignment	not modelled	5.5	13	PDB header: unknown function Chain: B: PDB Molecule: hypothetical protein ne0471; PDBTitle: crystal structure of putative dna binding protein ne0471 from2 nitrosomonas europaea atcc 19718
26	d1zbxb1	Alignment	not modelled	5.4	24	Fold: ORC1-binding domain Superfamily: ORC1-binding domain Family: ORC1-binding domain
27	c2k2wA_	Alignment	not modelled	5.4	11	PDB header: cell cycle Chain: A: PDB Molecule: recombination and dna repair protein; PDBTitle: second brct domain of nbs1
28	c2wj8N_	Alignment	not modelled	5.3	7	PDB header: rna binding protein/rna Chain: N: PDB Molecule: nucleoprotein; PDBTitle: respiratory syncytial virus ribonucleoprotein
29	d1e6va2	Alignment	not modelled	5.3	20	Fold: Ferredoxin-like Superfamily: Methyl-coenzyme M reductase subunits Family: Methyl-coenzyme M reductase alpha and beta chain N-

					terminal domain
30	c1bh0A_	Alignment	not modelled	5.3	27 PDB header: synthetic hormone Chain: A: PDB Molecule: glucagon; PDBTitle: structure of a glucagon analog
31	d2fgca2	Alignment	not modelled	5.1	44 Fold: Ferredoxin-like Superfamily: ACT-like Family: IlvH-like